Nicholas A. Smith, P.G.
Senior Program Manager

March 30, 2026

Mr. Daniel Wiener
U.S. Environmental Protection Agency – Region 2
Hudson River Field Office
187 Wolf Road, Suite 303
Albany, NY 12205

Re: National Grid Excelsior Avenue Site, Saratoga Springs, NY
2025 Periodic Review Report

Dear Mr. Wiener:

Enclosed for your review is the 2025 Periodic Review Report for the National Grid Excelsior Avenue Site, Saratoga Springs, New York. This report includes the following information:

- Site inspections for January through December 2025.
- Monthly water level gauging data for January through December 2025.
- Profiles for the groundwater well pairs on the inside and outside of the Former MGP Site containment wall and former Spa Steel Site containment cell.
- 2025 quarterly groundwater sampling event results for the Former MGP Site, Former Skating Rink Area, and Former Spa Steel Site.
- Operation and maintenance data for operations of the water treatment system for January through December 2025.
- OM&M Conclusions and Recommendations.

As per the approved Site Management Plan, a quarterly summary report will be submitted to the EPA in April 2026, July 2026, and October 2026, and the 2026 Periodic Review Report will be submitted by March 2027.

If you have any questions regarding OM&M issues, then please feel free to contact me at 315.540.0829.

Very truly yours,

for NAS

Nicholas A. Smith, P.G.
Senior Program Manager - National Grid

Cc: G. Pratt – NYSDEC
D. Tucholski – NYSDOH
G. Klawinkski - EPA
A. Wadden - HDR
Z. Madding – City of Saratoga Springs
G. Cummins - National Grid
D. Shay – Groundwater and Environmental Services, Inc.

300 Erie Boulevard West, C-1, Syracuse, NY 13202
T: 315-540-0829 ■ F: 315-428-3549 ■ nicholas.smith7@nationalgrid.com ■ www.nationalgrid.com

National Grid

2025 Periodic Review Report

Saratoga Excelsior Former MGP Site
43 Excelsior Avenue
Saratoga Springs, NY 12866

March 2026

Version 1

2025 Periodic Review Report

Saratoga Excelsior Former MGP Site
43 Excelsior Avenue
Saratoga Springs, NY 12866

Prepared for:
National Grid
300 Erie Boulevard West, C-1
Syracuse, NY 13202

Prepared by:
Groundwater & Environmental Services, Inc.
6780 Northern Blvd., Suite 100
East Syracuse, NY 13057
TEL: 800-220-3069
www.gesonline.com

GES Project:
0625050.128660.221

Date:
March 30, 2026

Devin T. Shay, PG
Program Manager / Principal Hydrogeologist

Table of Contents

1 Introduction 1
1.1 Purpose 1
1.2 Site Description 2
1.3 Site History 2
2 Groundwater Monitoring Activities and Monthly Site Inspections 9
2.1 Institutional Control/Engineering Controls (IC/EC) Plan Requirements 9
2.2 Monthly Site Inspections 9
2.3 Groundwater Well Gauging 9
2.3.1 Hydraulic Control 10
2.4 Groundwater Well Sampling and Analysis 11
3 Dense Non-Aqueous Phase Liquid Monitoring and Recovery 13
3.1 Dense Non-Aqueous Phase Liquid Well Monitoring and Recovery 13
3.2 Pumping Well Dense Non-Aqueous Phase Liquid Monitoring and Recovery 13
4 Water Treatment System Operation and Maintenance 14
4.1 Water Treatment System Operation 14
4.1.1 Groundwater Recovery 14
4.1.2 Water Treatment System 15
4.1.3 Treated Water Discharge 16
5 Conclusions and Recommendations 17
5.1 Conclusions 17
5.2 Certifications 18

Figures

Figure 1 – Site Location Map
Figure 2A – Site Map
Figure 2B – Site Map
Figure 2C – Site Map
Figure 3 – Containment Wall and Well Pairs
Figure 4 – No Flow Boundary Profiles - March 2025
Figure 5 – No Flow Boundary Profiles - March 2025
Figure 6 – No Flow Boundary Profiles - March 2025
Figure 7 – No Flow Boundary Profiles - June 2025
Figure 8 – No Flow Boundary Profiles - June 2025
Figure 9 – No Flow Boundary Profiles - June 2025
Figure 10 – No Flow Boundary Profiles - September 2025
Figure 11 – No Flow Boundary Profiles - September 2025
Figure 12 – No Flow Boundary Profiles - September 2025
Figure 13 – No Flow Boundary Profiles - December 2025
Figure 14 – No Flow Boundary Profiles - December 2025
Figure 15 – No Flow Boundary Profiles - December 2025
Figure 16 - Groundwater Contour Map - January 2025
Figure 17 - Groundwater Contour Map - April 2025
Figure 18 - Groundwater Contour Map - July 2025
Figure 19 - Groundwater Contour Map - October 2025

Tables

Table 1 – Well Pairs
Table 2 – Total Product Recovered
Table 3 – Pumping Well Sensor Elevations
Table 4 – Hydraulic Control Trending
Table 5 – Groundwater Elevation Data
Table 6 - Analytical Data Summary

Appendices

Appendix A – Monthly Water Treatment System and Site Inspection Forms
Appendix B – Well/Piezometer Gauging Data
Appendix C – Well Sampling Field Data
Appendix D – Data Usability Summary Report and Analytical Data
Appendix E – Groundwater Analytical Laboratory Reports
Appendix F - Arcadis 2025 Annual Groundwater Bioremediation Performance Monitoring Report
Appendix G - Waste Manifest
Appendix H - Water Treatment System Operational Summary Data

Acronyms

amsl	Above Mean Sea Level
ABOx	Anaerobic Biological Oxidation
Atlantic	Atlantic Environmental Services, Inc.
AWQS	Ambient Water Quality Standards
BBL	Blasland, Bouck, and Lee, Inc.
bgs	Below Ground Surface
BTEX	Benzene, Toluene, Ethylbenzene, and Total Xylenes
cy	Cubic Yards
DNAPL	Dense Non-Aqueous Phase Liquid
ESMI	Environmental Soil Management, Inc.
Eurofins	Eurofins Environmental Testing
FS	Feasibility Study
ft	Feet
GAC	Granular Activated Carbon
GES	Groundwater & Environmental Services, Inc.
gpm	Gallons Per Minute
HDPE	High-Density Polyethylene
ISS	In-Situ Soil Solidification/Stabilization
lf	Linear Feet
LTTD	Low-Temperature Thermal Desorption
MCL	Maximum Contaminant Levels
MGP	Manufactured Gas Plant
MH-1	Manhole 1
NPL	National Priorities List
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
O&M	Operations and Maintenance
OM&M	Operations, Maintenance, and Monitoring
ORS	Old Red Spring
OU	Operable Unit
OWS	Oil-Water Separator
PAH	Polycyclic Aromatic Hydrocarbons
QA/QC	Quality Assurance / Quality Control
RD/RA	Remedial Design / Remedial Action
RETEC	Remediation Technologies, Inc.
RI	Remedial Investigation
ROD	Record of Decision
SCSD	Saratoga County Sewer District
sf	Square Feet
SMP	Site Management Plan
TOC	Top of Casing
TOGS	Technical and Operational Guidance Series
TPH	Total Petroleum Hydrocarbons
USACE	United States Army Corps of Engineers
USEPA	United States Environmental Protection Agency
VOCs	Volatile Organic Compounds

1 Introduction

1.1 Purpose

Groundwater & Environmental Services, Inc. (GES) has prepared this 2025 Periodic Review Report, on behalf of National Grid, for the Niagara Mohawk Power Corporation (NMPC) Superfund site located on Excelsior Avenue in the City of Saratoga Springs, Saratoga County, New York (the Site). The Operations, Maintenance, and Monitoring (OM&M) activities described in this report were performed in Operable Unit 1 (OU 1), which consists of the Former Manufactured Gas Plant (MGP) site, the Former Skating Rink Area, and a portion of Spring Run Creek. **Figure 1** provides a site location map.

Groundwater monitoring has been conducted in OU 1 to evaluate the effectiveness of remedial activities previously completed at the Site and to monitor long-term groundwater quality trends. Currently, groundwater sampling at the Former MGP site is performed on a quarterly basis, and groundwater sampling at the Former Skating Rink Area is completed on a semi-annual basis.

The following OM&M activities were conducted during the 2025 reporting period:

- Monthly site inspections, including checks on the asphalt cap, the security fence/gates, the groundwater monitoring wells/piezometers/vaults, and the water treatment system.
- Monthly collection, documentation, and evaluation of water levels in site groundwater monitoring wells.
- Monthly inspection of the seven passive dense non-aqueous phase liquid (DNAPL) collection wells and DNAPL recovery, if necessary.
- Quarterly collection of water samples from groundwater monitoring wells at the Former MGP site, a storm water manhole sampling point (MH#01), and a public water access (Old Red Spring [ORS] Fountain). Semi-annual collection of water samples from groundwater monitoring wells in the Former Skating Rink Area. Water samples are submitted to Eurofins Environmental Testing (Eurofins) for laboratory analysis of benzene, toluene, ethylbenzene, and total xylenes (BTEX), as well as select polycyclic aromatic hydrocarbons (PAHs). Results are compared to New York State Department of Environmental Conservation (NYSDEC) Ambient Water Quality Standards (AWQS).
- Groundwater recovery from containment area pumping wells, water treatment via the onsite water treatment system, and discharge of treated effluent to the Saratoga County Sewer District (SCSD) #1 sewer.
- Decommissioning of wells LTMW-09 and LTMW-10.

The above activities are summarized in Sections 2 through 4 of this report.

1.2 Site Description

The Site consists of two operable units. OU 1 consists of an approximately 7-acre parcel owned by National Grid (referred to as the Former MGP site), an approximately 2.3-acre property formerly owned by the City (referred to as the Former Skating Rink Area) located immediately southeast of the Former MGP site, and an approximate 1 mile stretch of Spring Run Creek. Both the Former MGP site and the Former Skating Rink Area are currently owned by National Grid. The Former MGP site is surrounded by chain-link fencing and bounded on the north by New York State Route 50, to the south by Excelsior Avenue, to the east by East Avenue, and to the west by the former Spa Steel Corporation (now owned by Saratoga Restaurant Hospitality, LLC).

The Former MGP site is relatively flat topographically and is trapezoidal in shape. Several buildings are located on the Former MGP site, including a cylindrical, brick storage building (a former gas holder referred to as the brick roundhouse), a two-story brick storage building, and an aboveground electric substation. A service center building was previously located on the Former MGP site; however, it was demolished before initiation of remedial construction in 2001. Adjacent to the Former MGP site are several properties zoned for residential, light industrial, or planned business use.

The Former Skating Rink Area is located on the southeast corner of Excelsior Avenue and East Avenue. This property was formerly owned by the City and was used for the storage of City-owned equipment. In 2001, the former skating rink building was demolished and removed.

Figures 2A, **2B**, and **2C** provides Site Maps, which show the layout of the Former MGP site, Former Spa Steel site, and Former Skating Rink Area.

The portion of Spring Run Creek that is contained within the Site is located to the east of the Former MGP site.

OU 2 occupies approximately 0.5 acres of land bounded to the north by the former Spa Steel Corporation property and the Former MGP site, to the south by High Rock Avenue, to the east by Warren Street, and to the west by property owned by 519 Broadway LLC (a remediated and delisted NYSDEC inactive hazardous waste site, number 546036, known as the Van Raalte Knitting Mill Site), part of which is now used for the Grace Fellowship Church. OU 2 consists of the following: (1) a portion of Excelsior Avenue; (2) a grass-covered parcel owned by the City that contains an active groundwater well known as the Old Red Spring well (i.e., deep well screened in an unconsolidated silty-sand layer immediately above bedrock); and (3) a small portion of a paved parking lot for the Grace Fellowship Church located west of the City-owned parcel.

1.3 Site History

As presented in the 1995 Feasibility Study by Remediation Technologies, Inc. (RETEC) and Atlantic Environmental Services, Inc. (Atlantic), beginning in 1868, town gas was manufactured at the Site from coal, coke, and petroleum oils for use in lighting and heating. Gas manufacturing operations continued at this location until 1929. The production of manufactured gas led to the generation of both organic and inorganic residuals and waste products. Residual materials, including coal tar, were often used to make other products but in many cases were accumulated

and managed onsite. The chemical classes associated with the residuals include PAHs, volatile aromatic constituents, phenolics, trace metals, and nitrogen and sulfur compounds. Manufactured gas plant operations at the Site resulted in areas of subsurface soil and groundwater contamination.

The United States Environmental Protection Agency (USEPA) has defined the Site as the Former MGP site and any associated area where contamination is found or to which contamination could migrate and be deposited. Areas beyond the Former MGP site property boundaries that are considered part of the Site are located to the southeast (Former Skating Rink Area), and along the corridor of Spring Run Creek located to the east of the Former MGP site. The following provides general chronology of key project-related events.

- In 1982, National Grid (contemporaneously known as Niagara Mohawk Power Corporation) notified USEPA that the Saratoga Springs Site (presently identified as the Former MGP site) was once the site of a gas manufacturing facility, and that previous owners may have deposited coal tars in the property.
- In October 1989, National Grid (contemporaneously known as Niagara Mohawk Power Corporation) and USEPA entered into an Order on Consent to conduct a remedial investigation (RI) and feasibility study (FS) at the Saratoga Springs Site (presently identified as the Former MGP site). In February 1990, the Saratoga Springs Site (presently identified as the Former MGP site) was placed on the National Priorities List (NPL). The RI was conducted by Atlantic and is presented in the Remedial Investigation Report, National Grid Site, Saratoga Springs, New York (Atlantic, 1992) and Draft Supplemental Investigation Report for Additional Site Characterization, National Grid Site, Saratoga Springs, New York (Atlantic, 1994). The FS was conducted by RETEC and Atlantic and is presented in the Feasibility Study (RETEC/Atlantic, 1995).
- In September 1995, USEPA issued a Record of Decision (ROD) for the Site.
- In September 1996, USEPA issued a Consent Decree for remedial design/remedial action (RD/RA).
- In September 2000, USEPA approved the final RA design from Blasland, Bouck, and Lee, Inc. (BBL), and the RA implementation went to bid for a remedial contractor.
- In February 2001, Williams Environmental Services, Inc. was selected as the remedial contractor, and the RA implementation began.
- In May 2001, remedial construction activities were initiated in Operable Unit 1 (OU 1).
    - Approximately 2,350 linear feet (lf) of heavy-duty watertight steel sheeting was installed around the perimeter of the Former MGP site to depths of approximately 20 feet (ft) below ground surface (bgs), keying into a competent, low-permeability, lacustrine clay unit.
    - A brick roundhouse structure (70 ft in diameter and 50 ft high) with historical significance was preserved and relocated to the northeast corner of the Former MGP site.
    - Approximately 3,780 cubic yards (cy) of surface soil was excavated from a total of seven areas (each 100 ft in diameter and 2 ft deep) at the Former MGP site and disposed of at

Environmental Soil Management, Inc.'s (ESMI) low-temperature thermal desorption (LTTD) facilities in Fort Edward, New York, and Louden, New Hampshire.

- Approximately 19,610 cy of subsurface soil was excavated from a total of nine areas (ranging from 800 square feet [sf] to 7,300 sf in size, and ranging in depth from 4 feet to 22 feet bgs) located on the Former MGP site and disposed of at ESMI's LTTD facilities in Fort Edward, New York, and Louden, New Hampshire.
- All surficial and subsurface excavation areas were backfilled and compacted to previously existing grade using clean, offsite fill materials; permitted backhauled materials from ESMI; or crushed stone from an approved local borrow area.
- A perimeter groundwater drainage system was installed outside the upgradient portion of the barrier wall system in order to control storm water flow upgradient from the Site and prevent flooding of East Avenue. The perimeter drainage system was installed along the northern, western, and eastern portions of the Former MGP site. It consisted of a 10-inch-diameter, high-density polyethylene (HDPE), perforated pipe surrounded by crushed stone placed within a geotextile cloth. The perimeter drainage pipeline was installed to a depth of several feet bgs within an approximately 4-ft-wide, crushed stone-filled trench. The drainage pipeline passes through several manholes located along the pipe alignment, ultimately discharging into a manhole at the southeast corner of the Former MGP site, which connects to a drainage culvert that discharges to Spring Run Creek. In addition to the perimeter drainage system, several catch basins and storm sewer conveyance pipes were installed within the limits of the Former MGP site to provide for the collection of storm water runoff from the surface of the asphaltic cap that covers the entire containment area. The onsite drainage system consists of seven catch basins and continuously welded HDPE pipe that is sealed at joints to prevent the infiltration of groundwater. The onsite drainage system also discharges into a manhole at the southeast corner of the Former MGP site.
- A water treatment system was constructed in order to prevent overtopping of the watertight steel sheeting/barrier wall surrounding the containment area. Recovered groundwater is treated by the water treatment system, which is located within a building at the southwest corner of the containment area. After treatment, the groundwater is discharged to SCSD#1 for final disposal.
- An asphaltic cap was placed over the entire 7-acre property of the Former MGP site. The asphaltic cap was installed to isolate residual materials and provide a low permeability cover to reduce/prevent infiltration of storm water. The asphaltic cap is keyed into the perimeter barrier wall system, essentially encapsulating the Former MGP site. The asphaltic cap consists of 4 inches of base course material followed by 2 inches of top course material, placed upon a prepared and compacted subbase.
- A total of seven DNAPL recovery wells (DW-01, DW-02, DW-03, DW-04, DW-05, DW-06, and DW-07) were installed within the limits of the barrier wall system for passive DNAPL recovery.

- A total of nine monitoring wells and piezometers were installed both within and outside the limits of the barrier wall to evaluate the hydraulic conditions and groundwater quality.
- Site security fencing (6 ft chain link) was installed along the eastern, western, and southern perimeters of the Former MGP site, connecting to the existing northern perimeter fence along Route 50. An access gate is located at the southern perimeter of the property, near the electrical substation, with a second access gate located at the southwestern property corner to allow for access to the water treatment system. Additional fencing and an access gate were also installed at the southwestern corner of the property in order to isolate the water treatment system building from the remainder of the property.
- Remedial action activities at the Former Skating Rink Area involved the demolition and removal of the former skating rink building, surface soil excavation (7,470 cy, 2.3 acres, 0 to 2 ft deep) and offsite removal (at ESMI's LTTD facilities in Fort Edward, New York, and Louden, New Hampshire), subsurface soil excavation (10,120 cy, 7 areas ranging from 1,600 sf to 3,800 sf in size and ranging in depth from 7 feet to 28 feet bgs) and offsite removal (at ESMI's LTTD facilities in Fort Edward, New York, and Louden, New Hampshire), backfill of excavation areas, and installation of five long-term monitoring wells (LTMW-06, LTMW-07, LTMW-08, LTMW-09, and LTMW-10).
- Sediment excavation activities were performed at three distinct areas along a 1 mile stretch of Spring Run Creek, generally located east of the Former MGP site toward Interstate 87. Approximately 5,475 cy of sediment was excavated from the three areas totaling approximately 1,940 lf of Spring Run Creek located between the outfall of twin 86-inch box culverts and Interstate 87. Excavated sediment was stockpiled, sampled, and disposed of at ESMI's LTTD facilities in Fort Edward, New York, and Louden, New Hampshire. All sediment excavation areas were backfilled to original grade elevations using clean sand. A temporary access road was installed along the remediated Spring Run Creek for access. Wetlands were restored with topsoil, seed mix, and various plantings along the creek. The temporary access road was converted into a bike trail.
- Abandonment/rehabilitation of a 36-inch-diameter brick storm sewer was conducted along approximately 5,500 lf, beginning at the intersection of East Avenue and Excelsior Avenue to its discharge into Spring Run Creek near Interstate 87. Prior to abandonment, an approximately 800 lf portion of storm sewer located between the intersection of East Avenue and Excelsior Avenue and the southeast corner of the Former Skating Rink Area was cleaned using pressurized-jet cleaning equipment to remove accumulated debris. Following cleaning, the cleaned length of storm sewer was videotaped. During video inspection, an active connection to the storm sewer was identified, which was traced to a swale immediately north of Excelsior Avenue. To address the active discharge, a portion of the storm sewer was slip-lined using a 12-inch pipe within the 36-inch brick storm sewer. The new 12-inch pipe was connected to the active contributing pipe near Excelsior Avenue, with the new 12-inch pipe ultimately discharging the storm water flow immediately adjacent to the 86-inch, twin-box culvert's discharge location. Following the pipe lining efforts, the remaining portions of the 5,500 lf of storm sewer were abandoned by filling all structural failures and accessible manholes with grout.

- In September 2002, the initial remedial construction activities were completed and contractor demobilization initiated.
- In October 2002, EA Environmental was contracted by National Grid to conduct the Site operation and maintenance (O&M) work, with the exception of the wetland assessments. BBL was contracted by National Grid to conduct the annual qualitative and quantitative wetland assessments. Wetlands monitoring requirements ended in 2007, when the Wetlands Monitoring Report indicated that performance standards for herbaceous ground cover and woody plants were met and no additional monitoring would be performed. As indicated in the USEPA's third Five-Year Review Report, no additional monitoring or inspection is required for the Spring Run Creek wetlands.
- At the request of National Grid, Innovative Engineering Solutions, Inc. (IESI) conducted a review of the operation and performance of the groundwater extraction and treatment system in 2004. IESI focused on several aspects of the system: that a No Flow Boundary exists at the barrier wall; compliance with the SCSD#1 permit limits for the treatment system effluent discharge; removal of DNAPL prior to the bag filters; iron fouling throughout the system; and capability of the flow of the system to meet the treatment objectives. Based on that review, IESI proposed and implemented several modifications to the groundwater treatment system, including: overall downsizing of the system from a continuous 20 gallons per minute (gpm) throughput to a 5 gpm throughput; replacing the oil-water separator (OWS), replacing the chemical pre-treatment system with an in-line sequestering agent addition system (iron fouling solution), removing the backwash tank and multimedia filters, replacing the two liquid-phase granular activated carbon (GAC) vessels with three smaller liquid-phase GAC vessels (plus one spare), and replacing the single bag filter with a dual bag filter unit.
- In January 2005, several additional groundwater monitoring wells were installed at the Spa Steel site (SS-01, SS-02, SS-03, and SS-04) and within the barrier wall to evaluate hydraulic gradient and groundwater quality.
- Due to frost damage (2004-2005), shallow piping from the pumping wells to the groundwater treatment system was replaced. In the spring of 2005, the piping was installed to a depth below the frost line (approximately 4 ft bgs).
- The reconstruction of the water treatment system was completed in January 2006. IESI conducted monthly batch mode operation (5,000 gallons of collected/treated water per month) of the current treatment system from January 2006 to June 2006.
- In May 2006, USEPA, NYSDEC, United States Army Corps of Engineers (USACE), and New York State Department of Health (NYSDOH) conducted the first five-year remedy review of the Site.
- CDM Smith took over OM&M activities from IESI in July 2006. A draft OM&M Plan was submitted to the USEPA in October 2006.
- Between July 2006 and January 1012, five separate investigations were conducted by USEPA or National Grid to evaluate and delineate MGP-related residuals within soil and groundwater southwest of the former MGP site.

- Between November 2007 and April 2008, remedial construction was performed on the former Spa Steel site (as a separate remediation project than the main site) and included installation of 300 lf of vertical watertight steel sheet pile barrier wall within an approximately 7,000 sf area and construction of an impermeable surface cap within that area. The sheeting was installed to an average depth of approximately 28 feet bgs, which was approximately 5 feet into the underlying clay confining unit. The surface cap featured a 30-mil PVC liner and a geosynthetic drainage composite covered by 12-inches of clean fill, an orange demarcation geotextile, and 9 inches of run-of-crusher stone. The surface layer was later replaced by asphalt pavement during construction of the Excelsior Springs Event Center.
- As part of the Spa Steel remediation project, monitoring wells LTMW-07, LTMP-7A, SS-01, and SS-04 were decommissioned on November 29, 2007. Monitoring well SS-02 was decommissioned on February 5, 2008. All decommissioning activities were performed by ADT Drilling.
- Construction of Spa Steel monitoring wells (LTMW-11, LTMW-12, LTMP-12, LTMP-13) and a new pumping well (PW-5) in the Spa Steel area was completed in April of 2008. However, due to the planned construction of a restaurant (now the Excelsior Springs Event Center) at and adjacent to the Spa Steel property, the installation of the remaining wells was delayed until after construction.
- In September 2008, seven new monitoring wells and piezometers were installed; LTMW-14/LTMP-14/LTMP-14A (well pair #14), LTMW-15/LTMP-15/LTMP-15A (well pair #15), and LTMP-06A (a piezometer installed as part of well pair #6).
- On September 8, 2008, operation of the water treatment system changed from monthly batch mode (5,000 gallons per month) to continuous mode (~ 1.5 gpm).
- On June 1, 2009, operation of the water treatment system was modified from continuous mode (~ 65,000 gallons/month) to fixed daily mode (4 hours of operation of each pumping well per day; ~ 15,000 gallons/month). This modification was made based upon significant DNAPL and iron/biological fouling within the pumping wells that caused pump failure and operation disruption. The fixed daily pumping has maintained hydraulic control within the containment area, complies with the ROD, and minimizes uptake of DNAPL into submersible pumps which are not intended to pump this type of material. Furthermore, no DNAPL has been detected proximal to the barrier wall; therefore, the current fixed daily pumping mode meets the post-remedial goals established by the USEPA.
- In January 2011, construction of the Excelsior Springs Event Center re-started at and adjacent to the former Spa Steel property.
- On May 24, 2011, USEPA, NYSDEC, USACE, and NYSDOH conducted a five-year remedy review for the Site.
- On June 1, 2013, construction of the banquet hall on the Spa Steel property was completed.
- In March 2013, USEPA issued a ROD for OU 2.
- In January 2015, USEPA issued a second Consent Decree for the OU 2 RD/RA.

- In July 2015, National Grid obtained an access agreement with the banquet hall property owner (Saratoga Restaurant Hospitality, LLC). LTMW-13 was installed and SS-03 was decommissioned.
- Between July 2015 and July 2016, National Grid conducted a pre-design investigation and soil treatability studies for OU 2.
- In September 2016, Groundwater and Environmental Services entered into a contract with National Grid to take over OM&M activities at the site.
- National Grid has a leasing agreement with the Excelsior Springs Banquet Hall next-door for valet-only parking. In the second quarter of 2017, a total of 335 linear feet of fencing and three (3) sliding gates were installed. During the third quarter of 2017, the concreted fence post holes were sealed with hot asphaltic sealer, as well as any other additional cracks in the asphalt cap.
- In September 2017, USEPA approved the Remedial Design for the OU 2 soil remedial action. The Final Remedial Design was issued in January 2018.
- Soil remediation was performed within OU 2 from June 2018 through September 2019 and generally included: (1) constructing an approximately 3,267 sf subsurface mat (at least 2 feet thick) and 123 lf of barrier walls (at least 2 feet wide) by jet grouting to contain DNAPL-impacted soil below Excelsior Avenue; (2) constructing approximately 2,080 sf of subsurface mat below Excelsior Avenue by in-situ soil solidification/stabilization (ISS) to complete the containment of NAPL below the roadway; (3) conducting ISS to solidify/stabilize approximately 3,829 cy of DNAPL-impacted soil in-place within the Old Red Spring parcel and part of the adjacent property; (4) removing impacted surface/near surface soil from the Old Red Spring parcel and adjacent property for offsite treatment/disposal; and (5) decommissioning the Old Red Spring well and installing a new double-cased replacement well. To facilitate remedial construction, National Grid also replaced aging City infrastructure within and immediately adjacent to the remedial limits. Approximately 100 lf of new 20-inch diameter poly-wrapped ductile iron water main were installed to replace an old (circa 1884) cast iron water main below Excelsior Avenue. In addition, approximately 260 feet of new HDPE storm sewer pipe were installed to replace a collapsing old stone culvert and connecting storm sewer piping.
- In February 2020, the USEPA approved the Remedial Design for the OU 2 groundwater remedy.
- Shortly following Remedial Action Work Plan approval by USEPA in September 2021, gypsum slurry was emplaced into 13 direct-push borings drilled in two areas of the City-owned Old Red Spring parcel as part of the enhanced anaerobic groundwater bioremediation remedy for OU 2. The gypsum slurry was comprised of approximately 2,300 pounds of gypsum and 1,600 gallons of potable water and injected into the fine-to-coarse sand interval at a depth of approximately 12 to 16 feet bgs. The gypsum slurry provides a long-lived and slow-release form of sulfate to stimulate indigenous bacteria to degrade residual dissolved hydrocarbons below the groundwater table. Gypsum slurry arrival at downgradient monitoring wells was demonstrated by groundwater monitoring performed within the first year following the gypsum

slurry emplacement. Monitoring for BTEX, PAHs, and geochemical parameters before and after the gypsum slurry emplacement provides a line of evidence for natural and enhanced anaerobic groundwater bioremediation of the hydrocarbons.

- In March 2024, new liquid phase granular activated carbon was installed in three (3) new 500-pound vessels and in one (1) existing spare vessel. The new vessels and carbon were provided by Evoqua Water Technologies. The spent media was disposed of by Capital Environmental.
-

2 Groundwater Monitoring Activities and Monthly Site Inspections

2.1 Institutional Control/Engineering Controls (IC/EC) Plan Requirements

The IC/ECs for the Site include the following:

- Declaration of Covenants and Restrictions (DCR).
- Site may only be used for industrial or commercial use.
- No consumption or use of the groundwater underlying the property.
- Future ground intrusive activities should be conducted in accordance to the SMP.
- Excavated material below the asphalt cap and stone subbase transported offsite for disposal must comply with hazardous waste regulations.
- Asphalt Cap System.
- Heavy-Duty Watertight Steel Sheeting Barrier Wall.
- Use of a groundwater extraction and treatment system to maintain hydraulic control of groundwater within the contaminant area.
- Groundwater and DNAPL monitoring.

2.2 Monthly Site Inspections

GES conducted monthly site inspections during this reporting period. These monthly inspections include checking the asphalt cap, the security fencing/gates, the wells/piezometers, the vaults, and the water treatment building system.

In general, the Site is in compliance with the SMP.

Appendix A presents the Monthly Site Inspections/System Operation Records.

2.3 Groundwater Well Gauging

Monthly groundwater level measurements are collected at the Site to accomplish the following:

- To evaluate if the groundwater within the Former MGP site containment area and Former Spa Steel containment area is overtopping the containment wall. This involves a comparison of the groundwater elevation inside the containment areas versus the containment wall height. The watertight sheet pile barrier wall was installed in accordance with the ROD and constitutes a "No Flow Boundary." Compliance with this provision of the ROD is met by maintaining hydraulic control primarily by preventing overtopping of the barrier wall.
- To determine the hydraulic conditions inside and outside of the barrier wall using well pairs installed on each side of the wall.
- To determine the general groundwater flow direction outside the containment wall.
- To ascertain hydrogeologic conditions during DNAPL monitoring at passive DNAPL collection wells (DW-01, DW-02, DW-03, DW-04, DW-05, DW-06, and DW-07).

Monthly well/piezometer gauging field data is presented in **Appendix B**. In general, site groundwater flows from northwest to southeast.

2.3.1 Hydraulic Control

Part of the remedy for the Former MGP site and Former Spa Steel site included installation of a containment cell in order to minimize or eliminate the migration of DNAPL and contaminated groundwater outside the cell. A steel sheet pile, Waterloo-type, barrier wall with watertight joints was installed into the underlying low permeability lacustrine clay unit approximately 20 ft bgs. The watertight steel sheets extended to the ground surface and are tied into a low permeability asphalt cap. The underlying clay layer, the connecting sheet walls, and the continuous asphalt cap creates a containment cell that constitutes a hydrogeologic No Flow Boundary, and enables hydraulic control of the area to be maintained and monitored.

When the groundwater elevation inside the wall is below the groundwater elevation outside the wall, any breach in the watertight containment wall would force the water to flow into the containment area (inward gradient) rather than potentially contaminated water flowing outside the wall. While some limited water infiltration may occur through the cap, walls, or upward from the lacustrine clay, groundwater inside the cell is contained and removed periodically by the onsite collection wells and pumps, which prevents overtopping of the barrier wall.

The groundwater collection/treatment system was added to supplement the hydraulic control provided by the containment cell. Pumping wells within the cell were installed to maintain groundwater at an elevation lower than the top of sheeting. Furthermore, they function to predominantly maintain the inside groundwater at an elevation lower than groundwater outside the containment cell. However, the comparison of hydraulic heads inside and outside of the "No Flow Boundary" is not technically relevant unless the heads exceed the top of the barrier wall. The "No Flow Boundary" by definition does not allow significant groundwater flow through it, and thus there is no significant hydraulic gradient across it.

The top of steel sheeting walls follows the finished asphalt cap grade, which ranges from approximately 263 to 274 feet above sea level, generally sloping from north to southeast.

Groundwater elevations within the containment cell are generally 4 to 10 ft below the top of wall. No overtopping of the wall has ever been identified.

Information on well pairs that have been installed to monitor hydraulic control is presented below:

Table 1 – Well Pairs

Well Pair	Well Pair Location	Inside Piezometer	Outside Well
#2	Southern Wall	LTMP-2A	LTMW-02
#3	Southern Wall	LTMP-03	LTMW-03
#4	Southern Wall	LTMP-04	LTMW-04
#5	Southern Wall	LTMP-05	LTMW-05
#12	Spa Steel Western Wall	LTMP-12	LTMW-12
#13	Spa Steel Northern Wall	LTMP-13	LTMW-13
#14	Eastern Wall	LTMP-14	LTMW-14
#15	Eastern Wall	LTMP-15	LTMW-15

For the monitoring events conducted in 2025, groundwater elevation data for the well pairs were added to the Hydraulic Control Trending **Table 4** to demonstrate hydraulic control over time at each of the well pairs. During this year, the data shows a lower hydraulic head inside of the barrier wall as compared to the outside of the wall for all well pairs on all gauging dates except for well pairs #2 during the January, April, May, June, July, August, November, and December gauging events, #5 during the February, August and September gauging events, #12 during the August gauging event, and #15 during the January, February, March, April, May, June, July, August, October, and November gauging events. Overall, hydraulic control inside of the barrier wall was maintained due to the fact that hydraulic heads never exceeded the top of the wall. Top of Casing elevations for the wells as well as the top of sheeting near the well pairs are presented in the plan view on **Figure 3**. **Figures 4** through **14** show profiles of each well pair with corresponding groundwater elevations compared to the steel sheet wall construction between the wells. **Table 5** provides the groundwater elevation data for monitoring wells that do not have a corresponding well pair. **Figures 15** through **18** show the groundwater elevation contours during each of the 2025 quarterly groundwater well sampling events.

2.4 Groundwater Well Sampling and Analysis

Quarterly groundwater samples were collected from the Former MGP site wells (LTMW-01, LTMW-02, LTMW-03, LTMW-04, LTMW-05, LTMW-6A, LTMW-14, and LTMW-15), and the Former Spa Steel site wells (LTMW-12 and LTMW-13). Additionally, quarterly water samples were taken from storm water manhole MH-1 , the ORS Fountain, and wells MW-EPA-01R and MW-EPA-03R. Semi-annual groundwater samples were collected from the Former Skating Rink area wells (LTMW-06, LTMW-07, LTMW-08).

The wells were purged using Well Wizard Dedicated Pumps in accordance with USEPA Low-Flow (Minimal Drawdown) Groundwater Sampling Procedures (1996). Field measurements of pH, conductivity, turbidity, dissolved oxygen; temperature, total dissolved solids, and oxidation-reduction potential were recorded using a Horiba water quality meter during well purging. Samples were collected once field parameters had been stabilized. During the sampling no odor or sheens were observed at the well locations. Well sampling field data is presented in **Appendix C**.

Environmental water samples and quality assurance (QA)/quality control (QC) aqueous samples (field duplicate, matrix spike, matrix spike duplicate, and one trip blank) were shipped to Eurofins for laboratory analysis of select PAHs via USEPA Method 8270 and BTEX via USEPA Method 8260.

The analytical data reports provided by Eurofins were validated by GES. The primary objective of the data validation was to identify any questionable or invalid laboratory processes or data. The GES data validator reviewed all QA/QC information and the actual laboratory data to confirm the laboratory was operating within the required limits and results were correctly taken from the instruments. The Data Usability Summary Reports (DUSR) including the validated laboratory data are presented as **Appendix D**. The review stated that field sample analyte values/reporting limits were all usable as reported.

During the January, April, July, and October 2025 sampling events, VOCs and PAHs were detected above the NYSDEC AWQS outside the containment area at the following locations:

- LTMW-02 (April 2025 only)
- LTMW-05 (April 2025 only)
- LTMW-07 (April and October 2025)
- MH-1

During the October 2025 monitoring event, Skating Ring well LTMW-07 exhibited anomalously high detections for several PAHs. Because this well has never displayed any significant dissolved impacts since the inception of monitoring, confirmatory samples were collected from this well on October 31, 2025 and November 18, 2025. During both October sampling events, rain events were occurring and water was ponding proximal to the wellhead, which is located at the vehicle parking area for the Spring Run Trail. The results of the November 2025 sampling event, when no rain or surface ponding was noted, indicate that there were no detections of any compound analyzed for. Other explanations for the detections of PAHs in LTMW-07 are addressed in the DUSR in **Appendix D**.

Laboratory analytical data is provided in **Table 6**. The laboratory analytical reports are provided as **Appendix E**.

The post-injection groundwater bioremediation performance monitoring in OU2 is summarized by Arcadis, and is provided as **Appendix F**.

3 Dense Non-Aqueous Phase Liquid Monitoring and Recovery

3.1 Dense Non-Aqueous Phase Liquid Well Monitoring and Recovery

Passive DNAPL wells (DW-01 through DW-07) are monitored monthly in order to document compliance with terms of the ROD with the USEPA. Each well is gauged for water level (as discussed in Section 2.2) and for the presence of DNAPL. There was no DNAPL observed during this year in any of these wells, nor has any DNAPL been detected since the inception of the Site monitoring program (starting in October 2002).

3.2 Pumping Well Dense Non-Aqueous Phase Liquid Monitoring and Recovery

Pumping wells PW-1, PW-2, PW-3, PW-4, and PW-5 (installed in 2008) have been periodically inspected for DNAPL for maintenance purposes. When DNAPL is present, it is collected via bailers or a peristaltic pump and placed in a NYSDOT-approved 55-gallon drum for offsite disposal at a National Grid-approved facility. In addition, the OWS is inspected monthly for DNAPL. Any DNAPL encountered is removed from the OWS by manually opening a valve and allowing the product to gravity flow into a container. The product is then placed in a NYSDOT-approved 55-gallon drum for offsite disposal at a National Grid-approved facility. A total of 18.3 gallons of DNAPL were collected between January and December 2025, including:

- 3.0 gallons of DNAPL removed from the OWS
- 15 gallons of DNAPL recovered from pumping well PW-5
- Pumping wells PW-1 and PW-3 each recovered 0.1 gallons of DNAPL.

The 2025 DNAPL waste manifest is provided as **Appendix G**.

DNAPL was also detected in monitoring well LTMP-13 on January 8 (1.06 ft thick), February 5 (trace), March 5 (trace), April 2 (trace), May 7 (trace), July 2 (trace), August 6 (trace), October 1 (trace), November 3 (0.01 ft thick), and December 3 (trace). LTMP-13 was inaccessible during the June 25, 2025 inspection due to a car being parked over the manway. Approximately 12-ounces of DNAPL were recovered from LTMP-13 in January 2025. LTMP-13 is an inside well and has accumulated 56 ounces of DNAPL since its installation in July 2015.

Since October 2008, the total volume of DNAPL collected from the locations listed above is 717.55 gallons. The specific breakdown of DNAPL volume (gallons) collected from October 2008 to the present is as follows:

Table 2 – Total Product Recovered

Dense Non-Aqueous Phase Liquid Volume Collected (gallons) – Since October 2008

PW-1	PW-2	PW-3	PW-4	PW-5	OWS	LTMP-13	Total
21.10	0	27.10	0	378.5	290.75	56 oz	717.55

4 Water Treatment System Operation and Maintenance

4.1 Water Treatment System Operation

Water treatment system operation consists of groundwater recovery, water treatment, and discharge of treated water to the SCSD #1 public sewer. Water treatment system O&M is conducted in accordance with the OM&M Plan (CDM Smith, 2006). Inspections of the water treatment system are conducted as part of the monthly site inspections. Specific operational data is presented in **Appendix H**.

4.1.1 Groundwater Recovery

Groundwater is recovered from five pumping wells (PW-1, PW-2, PW-3, PW-4, and PW-5 [Spa Steel site]) and pumped to the water treatment system through 1-inch HDPE pipe.

The groundwater recovery pumping system consists of wells with submersible pumps and level sensors. The groundwater recovery pumping system operates for approximately 4 hours per day. Each individual well pump cycles in batch mode within the sensor parameters. Each batch of water removed from the wells is dependent upon groundwater recharge rate, the distance between the HI (on) and LO (off) sensors, and the submersible pump rate.

The table below presents the current pumping well sensor elevations.

Table 3 – Pumping Well Sensor Elevations

Top of Casing (TOC) Elevations Are Displayed in Feet Above Mean Sea Level (amsl)

Pumping Well	Components	From TOC (ft)	TOC (ft amsl)
PW-1 Grade Elevation			265.75
PW-1	HI-HI probe	1.75	264.00
	HI probe	9.00	256.75
	LO probe	14.00	251.75
	Common probe	14.50	251.25
	Depth to pump inlet	15.00	250.75
	Depth to bottom of well	19.80	245.95
PW-2 Grade Elevation			267.14
PW-2	HI-HI probe	3.20	263.94
	HI probe	12.00	255.14
	LO probe	15.50	251.64
	Common probe	16.00	251.14
	Depth to pump inlet	16.50	250.64
	Depth to bottom of well	19.00	248.14

Pumping Well	Components	From TOC	TOC
PW-3 Grade Elevation			263.04
PW-3	HI-HI probe	2.70	260.34
	HI probe	8.00	255.04
	LO probe	14.00	249.04
	Common probe	14.50	248.54
	Depth to pump inlet	15.00	248.04
	Depth to bottom of well	18.00	245.04
PW-4 Grade Elevation			266.06
PW-4	HI-HI probe	2.80	263.26
	HI probe	10.00	256.06
	LO probe	12.50	253.56
	Common probe	13.00	253.06
	Depth to pump inlet	13.50	252.56
	Depth to bottom of well	15.60	250.46
PW-5 Grade Elevation			265.83
PW-5	HI-HI probe	2.00	263.83
	HI probe	8.00	257.83
	LO probe	12.00	253.83
	Common probe	12.50	253.33
	Depth to pump inlet	13.00	252.83
	Depth to bottom of well	21.50	244.33

The LO sensors are maintained at an elevation above each pump, to keep the pumps constantly submerged. The HI sensors are maintained at elevations near the historic groundwater elevation level to allow the pump maximum operation time for better efficiency. The HI-HI sensors are positioned above the HI sensors and well below the top of containment wall to serve as contingency measures. The HI-HI sensors activate an alarm, which calls the OM&M contractor.

4.1.2 Water Treatment System

The water treatment system is located within a metal shell building on a reinforced concrete floor with secondary containment. The system itself consists of the following components:

- OWS with water gravity overflow to the transfer tank and DNAPL drain;
- Transfer tank/pump;
- In-line chemical addition consisting of sequestering agent for iron-fouling and biocide for bio-fouling;
- Bag filters (two in series) for particle filtration; and
- GAC (three vessels in series) for VOC adsorption.

The water treatment system operates in batch mode. A transfer pump (maximum flow rate ~ 15 gpm) within the groundwater treatment building operates on level switches (located after the OWS

and transfer tank) to pump water through the treatment train before being discharged to the SCSD#1 sewer manhole connection. Typically, the transfer pump sends approximately 280 gallons of water per batch.

It should be noted that although the water treatment system has components to treat some minor volumes of DNAPL, the groundwater recovery system was not designed to pump significant volumes of DNAPL, nor is it required under the terms of the ROD. Pump failures and excessive maintenance result from pumping DNAPL from the wells. DNAPL is being manually removed, as needed, from the OWS. At this time the water treatment system does not require any repairs or modifications.

4.1.3 Treated Water Discharge

The discharge flow rate of treated water ranges between 4 and 17 gpm depending on the bag filter and the GAC back pressure. The average discharge flow rate for each month from the January through December period remained steady around 16.5 gpm. This flow rate occurs only when the system is operating in batch mode. During other periods, there is no effluent water flow.

During 2025, approximately 234,132 gallons of treated water was discharged to the SCSD#1 sewer. Since July 10, 2006, 4,254,116 gallons of treated water have been discharged to the SCSD#1 sewer. For a summary of water treatment system flow data during 2025, refer to **Appendix F**.

5 Conclusions and Recommendations

5.1 Conclusions

Based on the data collected from the Site OM&M activities during January through December 2025, the following conclusions were made:

- The gauging data indicates lower hydraulic heads exist on the inside of the barrier wall relative to the outside of the barrier wall for all well pairs except for #2, #5, #12, and #15.
- There has been no DNAPL observed in passive wells DW-01 through DW-07 in the monthly gauging/inspection events conducted since monitoring began in October 2003. DNAPL does not appear to passively flow into these wells. However, between October 2008 and the present, there have been 717.55 gallons of DNAPL collected from the active groundwater collection/treatment system. DNAPL is manually collected directly from pumping wells PW-1, PW-3, and PW-5 during maintenance cleaning activities (DNAPL has not been observed in PW-2 and PW-4). Trace amounts of DNAPL (less than 0.01 feet thick) were measured in well LTMP-13, except for in January 2025, when approximately one foot of DNAPL was observed and subsequently removed. DNAPL is also collected within the OWS during normal operation of the groundwater collection and water treatment system. It should be noted that the most significant DNAPL collected is manually removed from PW-5 (Spa Steel site Containment Area; installed 2008).
- Since October 2002, no VOCs or PAHs have been detected above the NYSDEC AWQS in any groundwater samples collected from outside the containment area as part of the monitoring program, with the exception of inconsistent and intermittent low-level detections (less than 1 ug/L) of PAHs at wells LTMW-01, LTMW-02, LTMW-03, LTMW-04, LTMW-05, LTMW-6A, LTMW-07, LTMW-12, LTMW-13, and LTMW-15. This is further evidence of the remedy's effectiveness to control groundwater hydraulically, thereby minimizing migration of contaminants outside the confined cell. The compounds that have been detected above the AWQS in monitoring wells outside the containment area include benzo(a)pyrene, benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene.
- Since June of 2020, benzene, ethylbenzene, and several PAHs have been intermittently detected at sampling location MH-1. MH-1 is a manhole that receives storm water that flows over the asphaltic cap of the containment area. Detections of compounds over the AWQS are likely the result of vehicle parking and traffic on the cap.
- Approximately 234,132 gallons of groundwater was extracted from the five pumping wells, treated, and discharged to the SCSD#1 during 2025.
- Overall, conditions are consistent with previous monitoring years.

5.2 Certifications

For each institutional or engineering control identified for the NMPC property, OU 2, and the former skating rink and former Spa Steel properties, I certify that all of the following statements are true:

- The inspection of the properties to confirm the effectiveness of the institutional and engineering controls required by the remedial program was performed under my direction.
- The institutional control and/or engineering control employed at these properties is unchanged from the date the control was put in place, or last approved by the EPA.
- Nothing has occurred that would impair the ability of the control to protect the public health and environment.
- Nothing has occurred that would constitute a violation or failure to comply with any site management plan for this control.
- Access to the properties will continue to be provided to the EPA and NMPC to evaluate the remedy, including access to evaluate the continued maintenance of this control.
- If a financial assurance mechanism is required under the oversight document for the NMPC property, OU 2, and the former skating rink and former Spa Steel properties, the mechanism remains valid and sufficient for the intended purpose under the document.
- Use of the properties is compliant with the institutional controls.
- The engineering control systems are performing as designed and are effective.
- To the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program and generally accepted engineering practices.
- The information presented in this report is accurate and complete.

I certify that all information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law. I, [name], of [business and address], am certifying as [NMPC or NMPC's Representative] for the NMPC property, the OU 2, the former skating rink property, and former Spa Steel property.

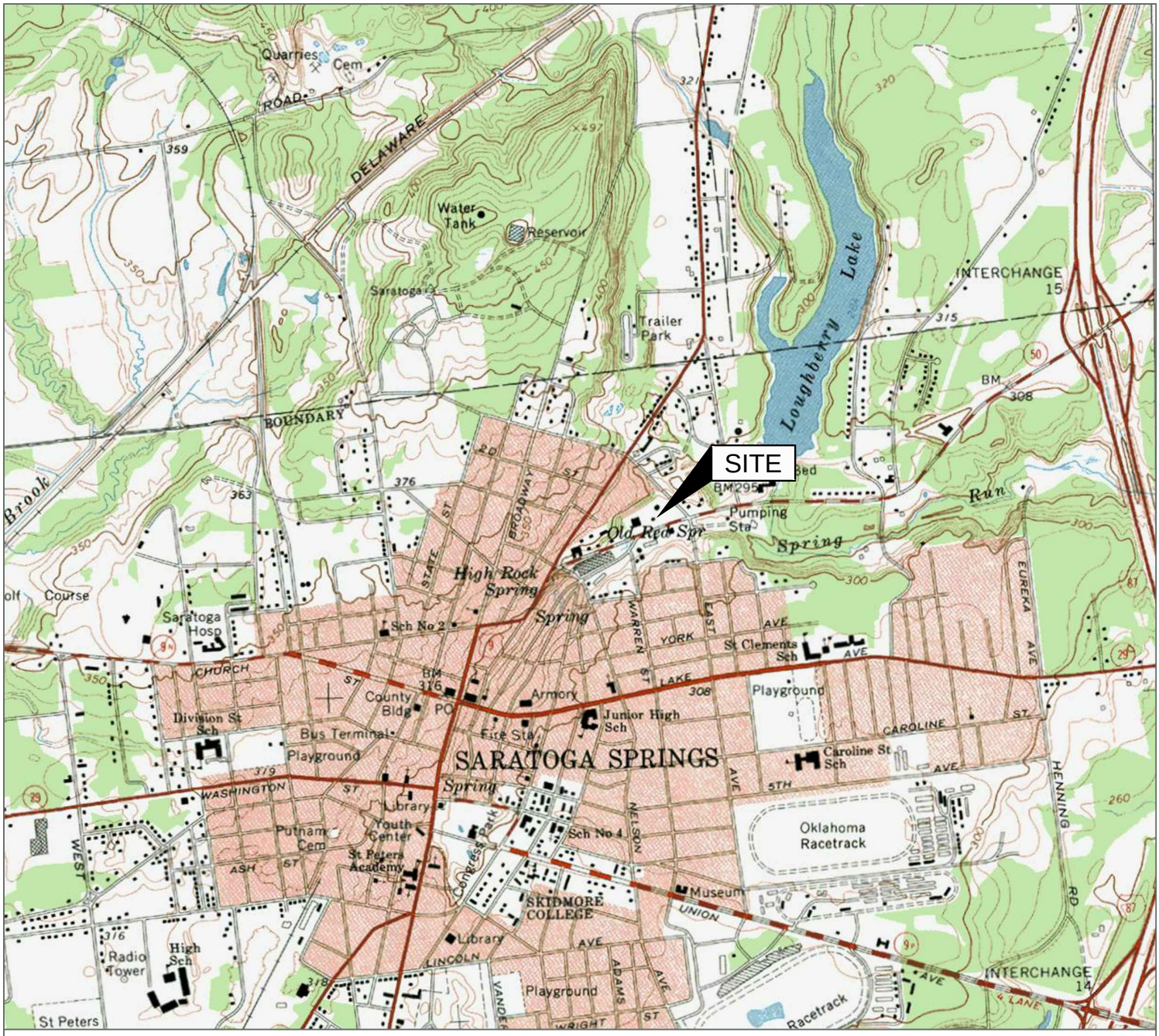
I certify that the New York State Education Department has granted a Certificate of Authorization to provide Professional Engineering services to the firm that prepared this Periodic Review Report.

Signature

3-27-2026
Date

Name: Gerald H. Creasp, P.E.
Title: Director of Engineering
Company: Groundwater & Environmental Services, Inc.

Figures



Source:
USGS 7.5 Minute Series
Topographic Quadrangle, 1967
Saratoga Springs, New York
Contour Interval = 10'

Quadrangle Location

Site Location Map

National Grid
43 Excelsior Avenue
Saratoga Springs, New York

Drawn
W.G.S.
Designed

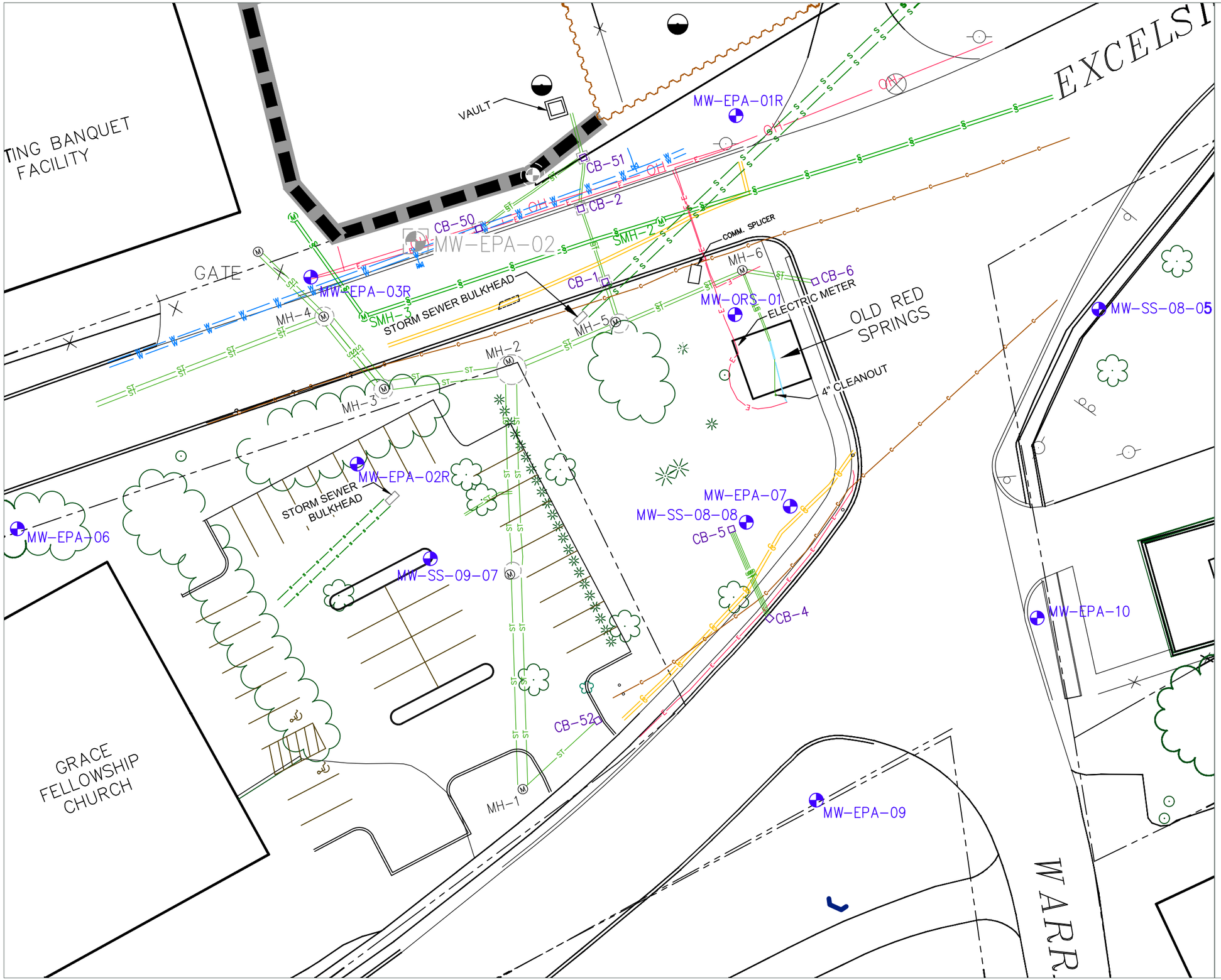
Approved

Date
1-18-18
Figure
1

Scale In Feet
0 2000

Groundwater & Environmental Services, Inc.

M:\Graphics\0600-Syracuse\Misc\National Grid\Saratoga Springs (Excelsior)\Saratoga Springs SLM.dwg, Template SLM, WShea



LEGEND

- PROPERTY BOUNDARY
- CHAIN LINK FENCE
- STEEL SHEETING
- LIMITS OF HEAVY-DUTY WATER-TIGHT STEEL SHEETING BARRIER WALL
- CATCH BASIN
- UTILITY POLE
- PIEZOMETER
- MANHOLE
- DNAPL EXTRACTION WELL
- GROUNDWATER EXTRACTION WELL
- LONG-TERM MONITORING WELL
- EXISTING MONITORING WELL

Site Map

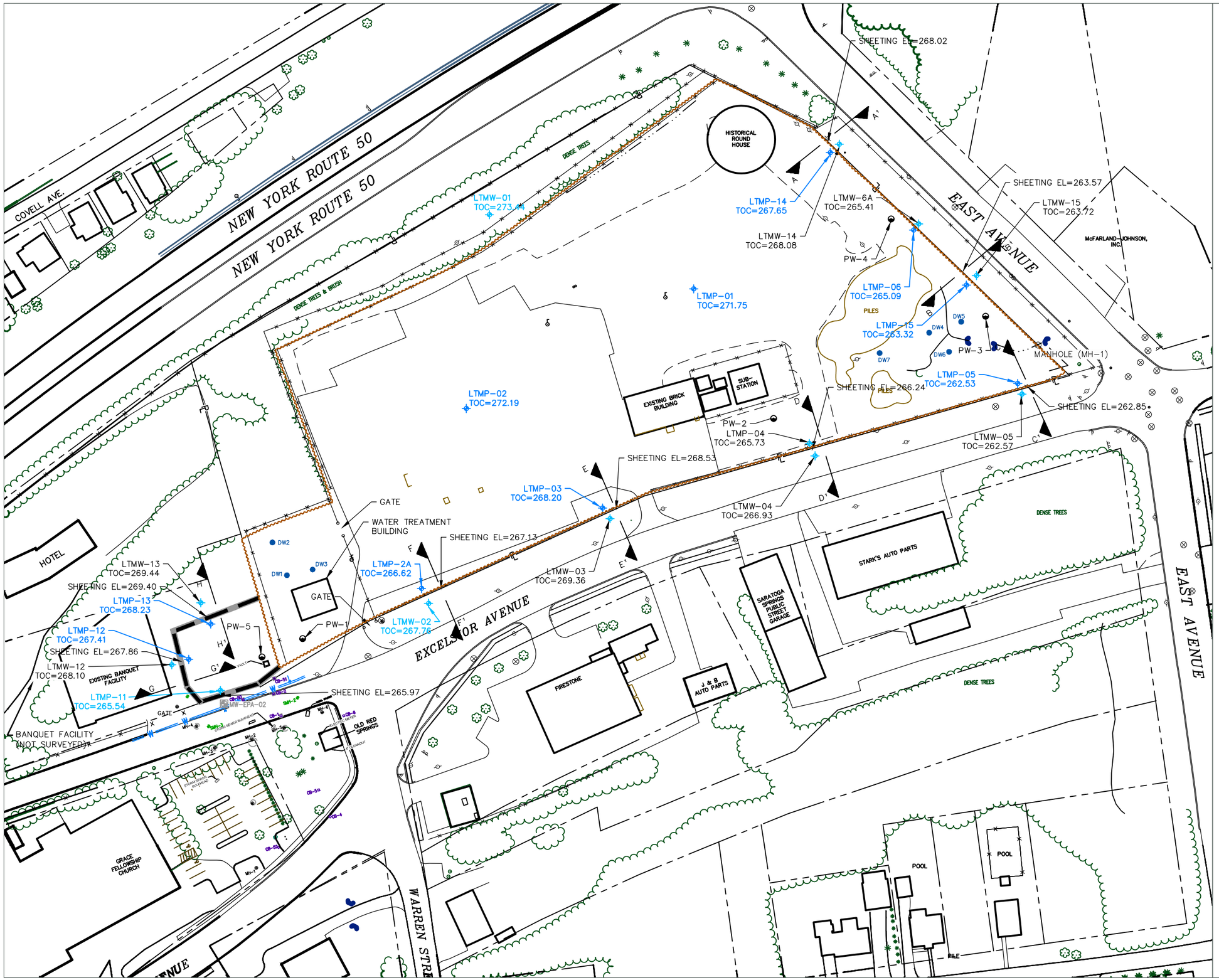
National Grid
43 Excelsior Avenue
Saratoga Springs, New York

Drawn: E.V.
Designed:
Approved:
Date: 07/23/24
Figure: 2A

Scale In Feet
0 30

Groundwater & Environmental Services, Inc.

N:\Graphics\Graphics\0600-Syracuse\Misc\National Grid\Saratoga Springs (Excelsior)\Saratoga Springs SM_CDM.dwg, B-30, CLane, 1:1



LEGEND

- PROPERTY BOUNDARY
- CHAIN LINK FENCE
- STEEL SHEETING
- LIMITS OF HEAVY-DUTY WATER-TIGHT STEEL SHEETING BARRIER WALL
- CATCH BASIN
- UTILITY POLE
- PIEZOMETER
- MANHOLE
- DW DNAPL EXTRACTION WELL
- GROUNDWATER EXTRACTION WELL
- LONG-TERM MONITORING WELL
- DESTROYED MONITORING WELL

Site Map

National Grid
43 Excelsior Avenue
Saratoga Springs, New York

Drawn M.H.
Designed R.K.
Approved

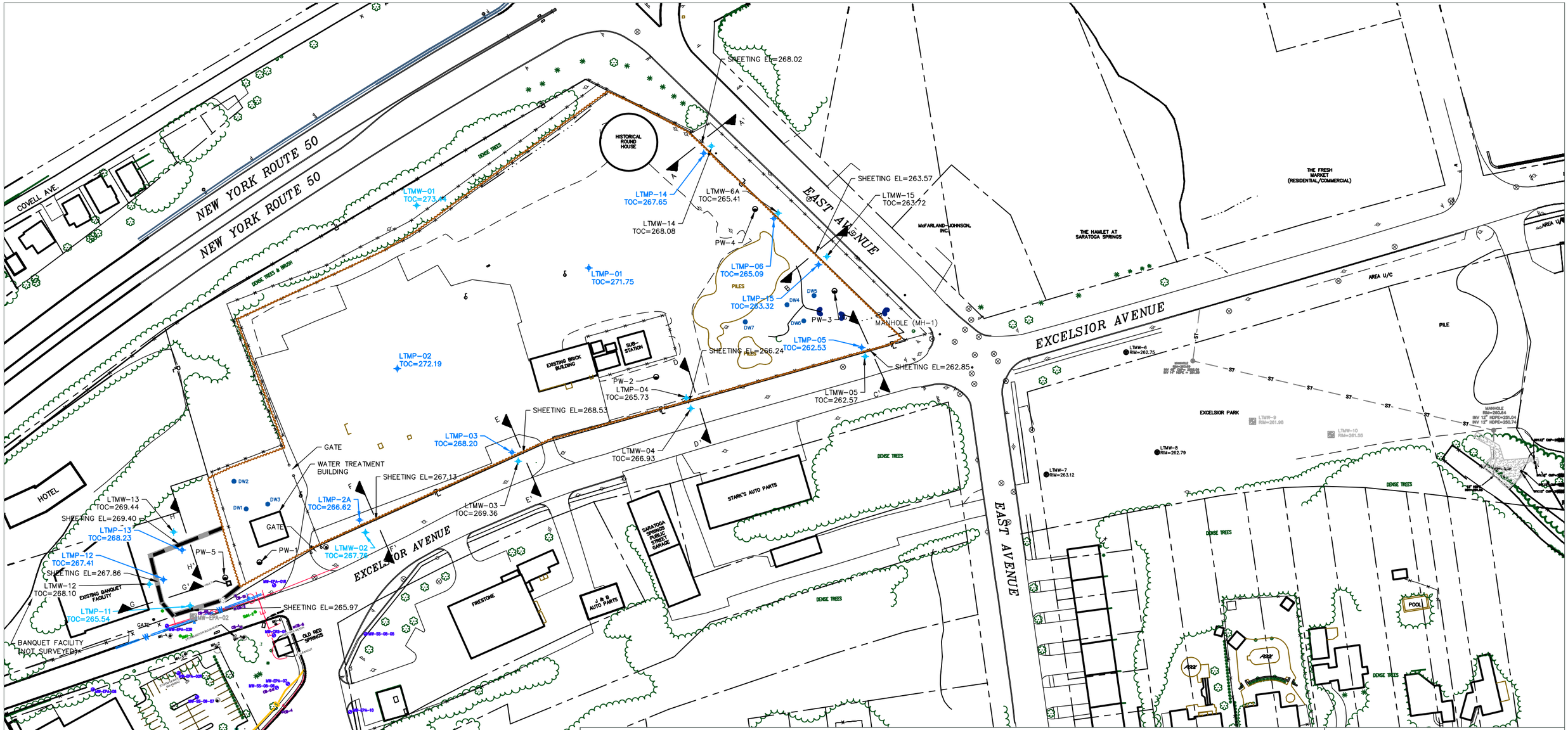
Date 04/16/2025
Figure 2B

Scale In Feet
0 100

GES
Groundwater & Environmental Services, Inc.

N:\Graphics\Graphics\0600-Syracuse\Misc\National Grid\Saratoga Springs (Excelsior)\Saratoga Springs SM_CDM.dwg, B-100, CLane, 1:1

N:\Graphics\Graphics\0600-Syracuse\Misc\National Grid\Saratoga Springs (Excelsior)\Saratoga Springs SM_CDM.dwg, B-120, CLane, 1:1



LEGEND

- PROPERTY BOUNDARY
- CHAIN LINK FENCE
- STEEL SHEETING
- LIMITS OF HEAVY-DUTY WATER-TIGHT STEEL SHEETING BARRIER WALL
- CATCH BASIN
- UTILITY POLE
- PIEZOMETER
- MANHOLE
- DW DNAPL EXTRACTION WELL
- GROUNDWATER EXTRACTION WELL
- LONG-TERM MONITORING WELL
- EXISTING MONITORING WELL
- DESTROYED/ABANDONED MONITORING WELL

Site Map

National Grid
43 Excelsior Avenue
Saratoga Springs, New York

Drawn C.L.
Designed R.K.
Approved

Date 01/13/26
Figure 2C

Scale In Feet
0 120

Groundwater & Environmental Services, Inc.

LEGEND

- PROPERTY BOUNDARY
- FENCE
- STEEL SHEETING
- HEAVY DUTY WATER TIGHT STEEL SHEETING

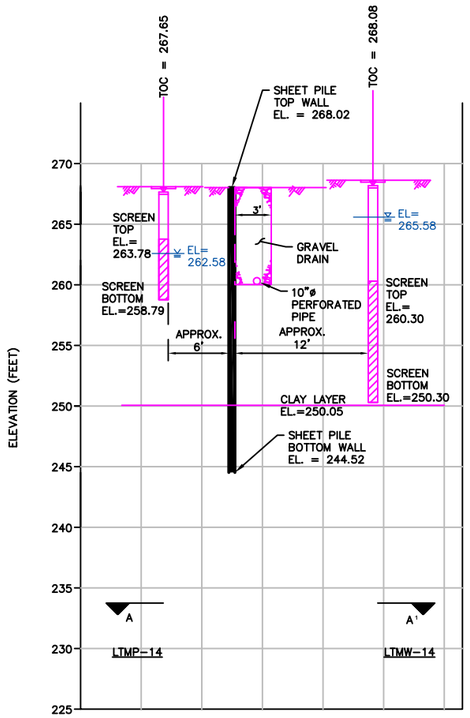
EAST AVE.
NEW YORK ROUTE 50
COVELL AVE.
NEW YORK ROUTE 50
NEW YORK ROUTE 50
HISTORICAL ROUND HOUSE
DENSE TREES
DENSE TREES & BRUSH
SHEETING EL=268.02
SHEETING EL=263.57
LTMP-14 TOC=267.65
LTMW-14 TOC=268.08
PW-4
EAST AVE.
LTMW-15 TOC=263.72
PILES
DENSE VEGETATION
LTMP-15 TOC=263.32
PW-3
LTMP-05 TOC=262.53
SUB-STATION
EXISTING BRICK BUILDING
PILES
SHEETING EL=266.24
SHEETING EL= 262.57
PW-2
LTMP-04 TOC=265.73
LTMW-05 TOC=262.57
SHEETING EL=268.53
LTMP-03 TOC=268.20
LTMW-04 TOC=266.93
GATE
WATER TREATMENT BUILDING
SHEETING EL=267.13
DENSE TREES
HOTEL
LTMW-13 TOC=269.44
SHEETING EL=269.40
LTMP-13 TOC=268.23
LTMP-12 TOC=267.41
SHEETING EL=267.86
LTMW-12 TOC=268.10
BANQUET FACILITY (NOT SURVEYED)
EXISTING BANQUET FACILITY
PW-5
GATE
PW-1
LTMP-2A TOC=266.62
LTMW-02 TOC=267.76
LTMW-03 TOC= 269.36
EXCELSIOR AVE.
STARK'S AUTO PARTS
SARATOGA SPRINGS PUBLIC STREET GARAGE
FIRESTONE
J & B AUTO PARTS
DENSE TREES
LTMP-11 TOC=265.54
SHEETING EL=265.97
EPA-MW-02 TOC=264.98
GATE
OLD RED SPRINGS

Containment Wall and Well Pairs	
National Grid 43 Excelsior Avenue Saratoga Springs, New York	
Drawn W.G.S. Designed Approved	Date 10/4/21 Figure 3

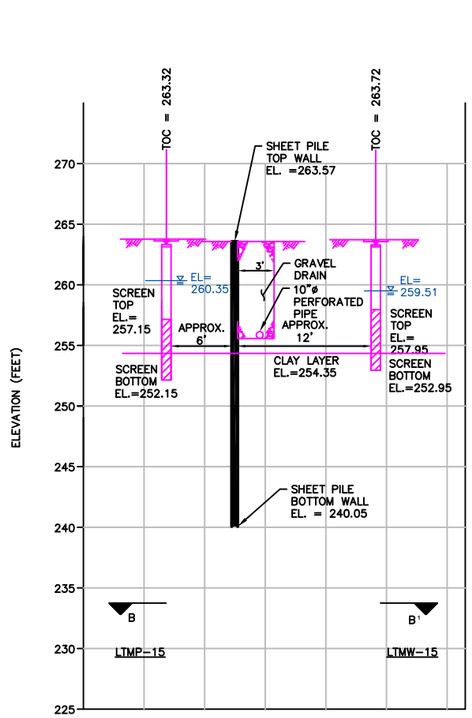
Scale In Feet
0 100

GES
Groundwater & Environmental Services, Inc.

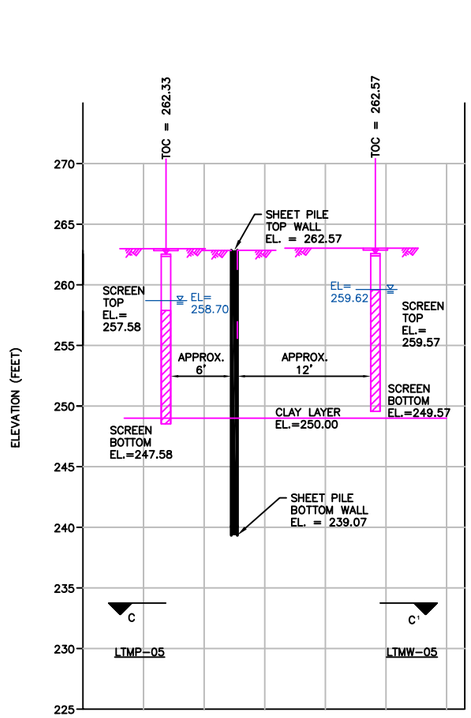
M:\Graphics\0600-SyracuseMisc\National Grid\Saratoga Springs (Excelsior)\Saratoga Springs SM.dwg, Template SM-B100 (pairs), WShea



HORIZONTAL SCALE: NTS
VERTICAL SCALE: 1:5



HORIZONTAL SCALE: NTS
VERTICAL SCALE: 1:5



HORIZONTAL SCALE: NTS
VERTICAL SCALE: 1:5

LEGEND:

- WATER TABLE
- GRAVEL
- WELL SCREEN
- SHEET PILE WALL

ABBREVIATIONS:

EL.	ELEVATION
TOC	TOP OF CASING
NM	NOT MEASURED

No Flow Boundary Profiles
March 5, 2025

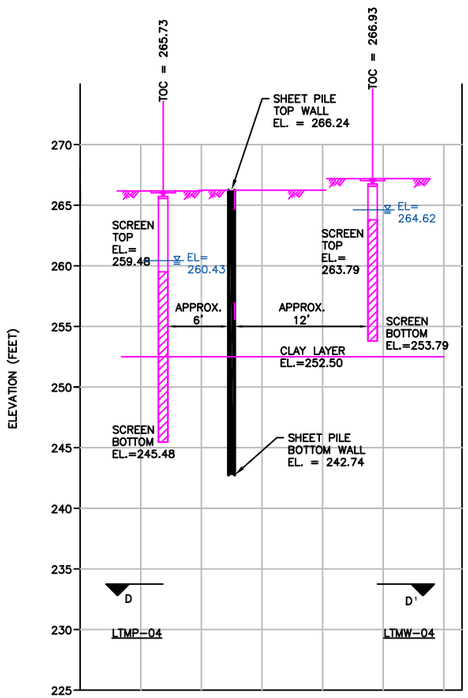
National Grid
43 Excelsior Avenue
Saratoga Springs, New York

Drawn
C.L.
Designed
R.K.
Approved

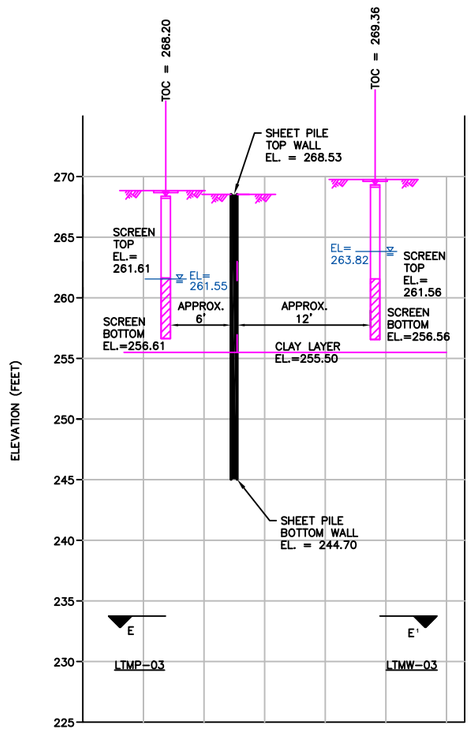
Date
12/29/25
Figure
4

Groundwater & Environmental Services, Inc.

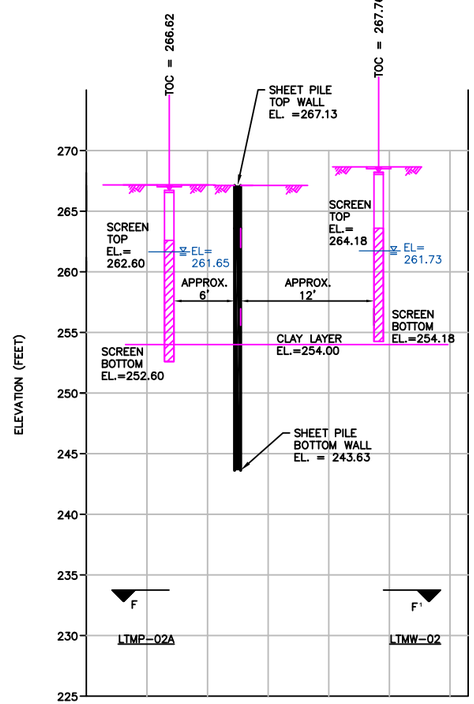
N:\Graphics\Graphics\0600-Syracuse\Misc\National Grid\Saratoga Springs (Excelsior)\Saratoga Springs No flow profiles.dwg, A-C no flow, CLane, 1:1



HORIZONTAL SCALE: NTS
VERTICAL SCALE: 1:5



HORIZONTAL SCALE: NTS
VERTICAL SCALE: 1:5



HORIZONTAL SCALE: NTS
VERTICAL SCALE: 1:5

LEGEND:

- WATER TABLE
- GRAVEL
- WELL SCREEN
- SHEET PILE WALL

ABBREVIATIONS:

EL.	ELEVATION
TOC	TOP OF CASING
NM	NOT MEASURED

No Flow Boundary Profiles
March 5, 2025

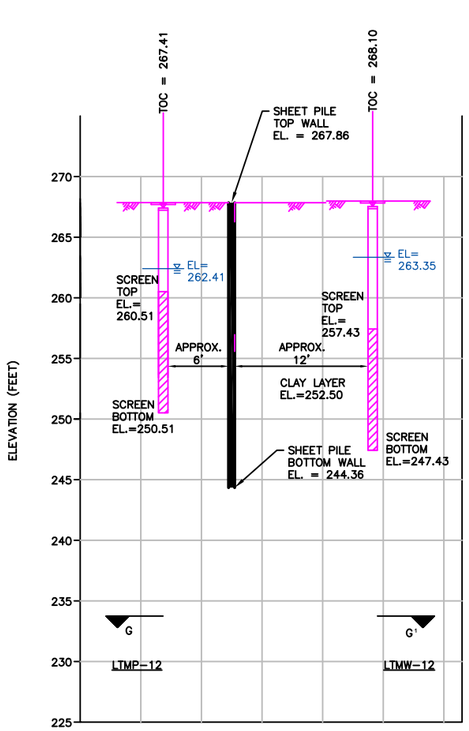
National Grid
43 Excelsior Avenue
Saratoga Springs, New York

Drawn
C.L.
Designed
R.K.
Approved

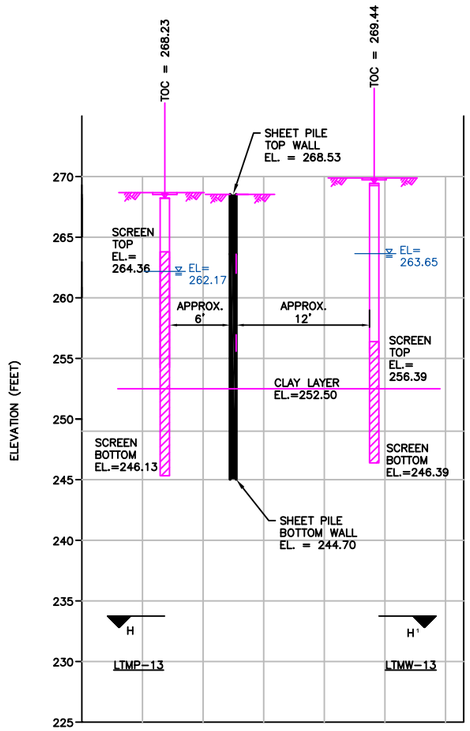
Date
12/29/25
Figure
5

Groundwater & Environmental Services, Inc.

N:\Graphics\Graphics\0600-SyracuseMisc\National Grid\Saratoga Springs (Excelsior)\Saratoga Springs No flow profiles.dwg, D-F no flow, CLane, 1:1



HORIZONTAL SCALE: NTS
VERTICAL SCALE: 1:5



HORIZONTAL SCALE: NTS
VERTICAL SCALE: 1:5

LEGEND:

- WATER TABLE
- GRAVEL
- WELL SCREEN
- SHEET PILE WALL

ABBREVIATIONS:

EL.	ELEVATION
TOC	TOP OF CASING
NM	NOT MEASURED

No Flow Boundary Profiles
March 5, 2025

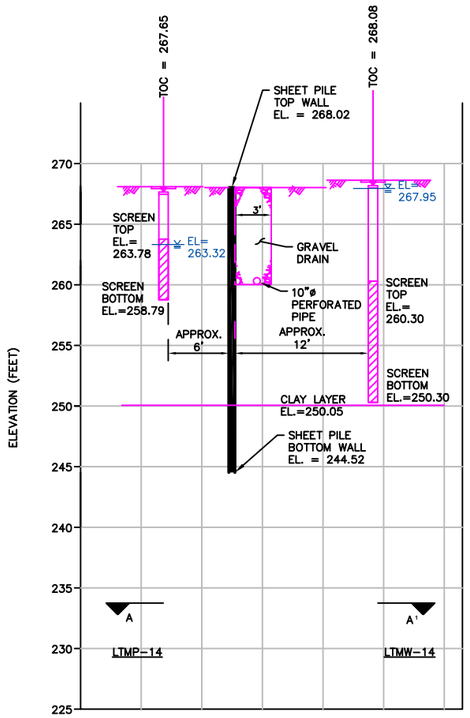
National Grid
43 Excelsior Avenue
Saratoga Springs, New York

Drawn
C.L.
Designed
R.K.
Approved

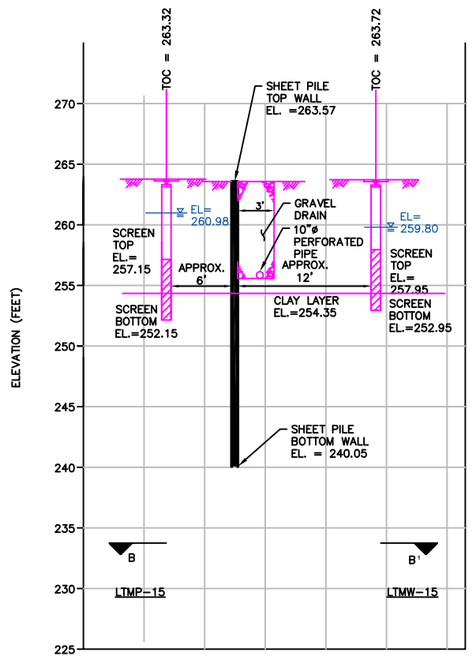
Date
12/29/25
Figure
6

GES
Groundwater & Environmental Services, Inc.

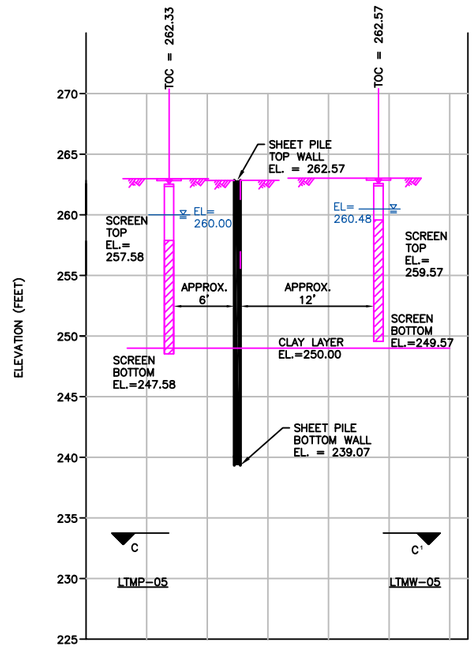
N:\Graphics\Graphics\0600-SyracuseMisc\National Grid\Saratoga Springs (Excelsior)\Saratoga Springs No flow profiles.dwg, G-H no flow, CLane, 1:1



HORIZONTAL SCALE: NTS
VERTICAL SCALE: 1:5



HORIZONTAL SCALE: NTS
VERTICAL SCALE: 1:5



HORIZONTAL SCALE: NTS
VERTICAL SCALE: 1:5

LEGEND:

- WATER TABLE
- GRAVEL
- WELL SCREEN
- SHEET PILE WALL

ABBREVIATIONS:

EL.	ELEVATION
TOC	TOP OF CASING
NM	NOT MEASURED

No Flow Boundary Profiles
June 11, 2025

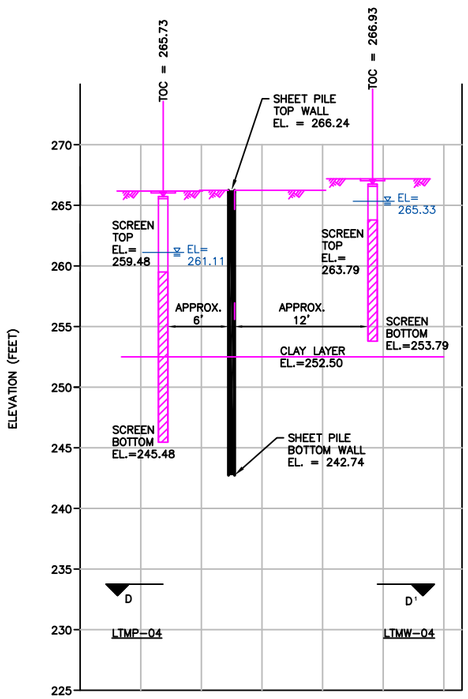
National Grid
43 Excelsior Avenue
Saratoga Springs, New York

Drawn C.L.
Designed R.K.
Approved

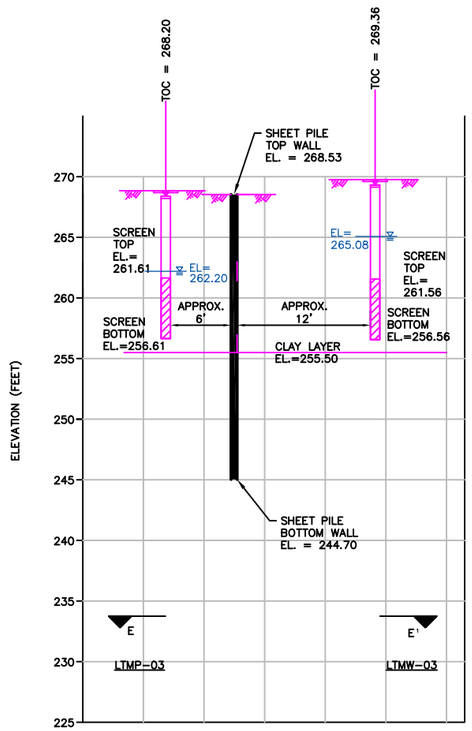
Date 12/29/25
Figure 7

Groundwater & Environmental Services, Inc.

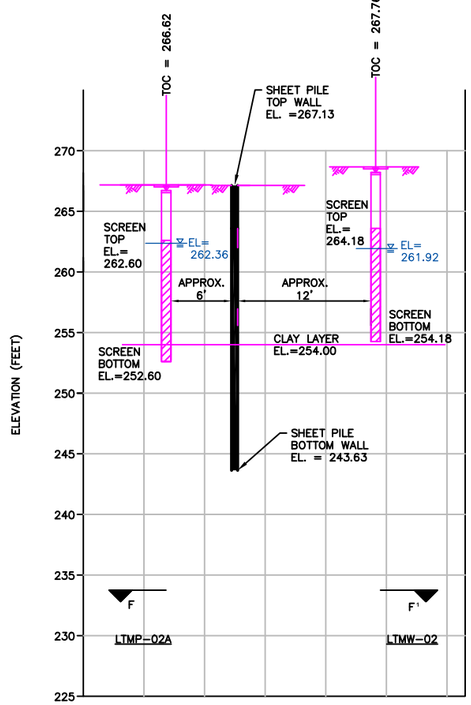
N:\Graphics\Graphics\0600-Syracuse\Misc\National Grid\Saratoga Springs (Excelsior)\Saratoga Springs No flow profiles.dwg, A-C no flow, CLane, 1:1



HORIZONTAL SCALE: NTS
VERTICAL SCALE: 1:5



HORIZONTAL SCALE: NTS
VERTICAL SCALE: 1:5



HORIZONTAL SCALE: NTS
VERTICAL SCALE: 1:5

LEGEND:

- WATER TABLE
- GRAVEL
- WELL SCREEN
- SHEET PILE WALL

ABBREVIATIONS:

EL.	ELEVATION
TOC	TOP OF CASING
NM	NOT MEASURED

No Flow Boundary Profiles
June 11, 2025

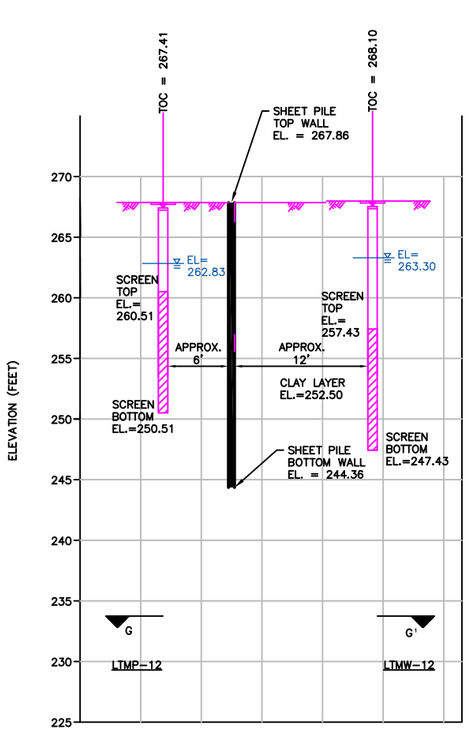
National Grid
43 Excelsior Avenue
Saratoga Springs, New York

Drawn
C.L.
Designed
R.K.
Approved

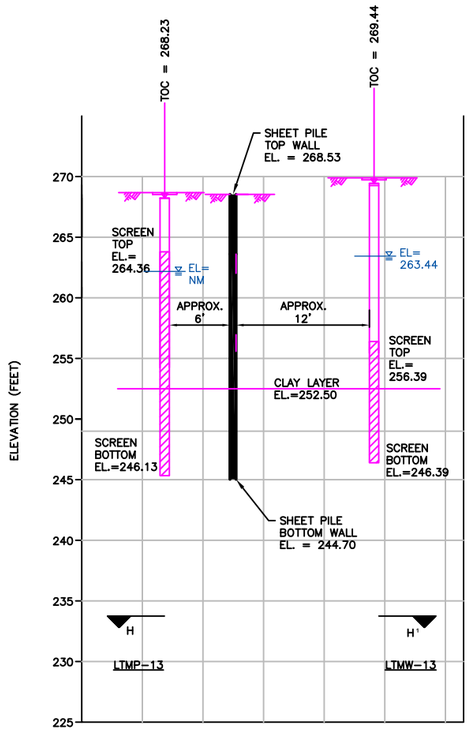
Date
12/29/25
Figure
8

Groundwater & Environmental Services, Inc.

N:\Graphics\Graphics\0600-SyracuseMisc\National Grid\Saratoga Springs (Excelsior)\Saratoga Springs No flow profiles.dwg, D-F no flow, CLane, 1:1



HORIZONTAL SCALE: NTS
VERTICAL SCALE: 1:5



HORIZONTAL SCALE: NTS
VERTICAL SCALE: 1:5

LEGEND:

- WATER TABLE
- GRAVEL
- WELL SCREEN
- SHEET PILE WALL

ABBREVIATIONS:

EL.	ELEVATION
TOC	TOP OF CASING
NM	NOT MEASURED

No Flow Boundary Profiles
June 11, 2025

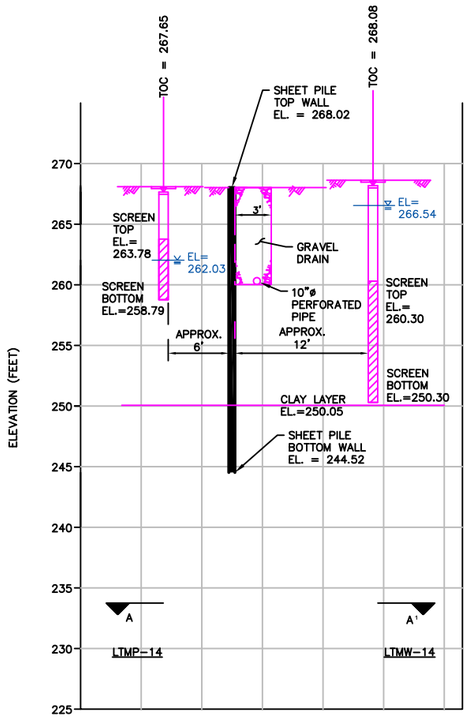
National Grid
43 Excelsior Avenue
Saratoga Springs, New York

Drawn C.L.
Designed R.K.
Approved

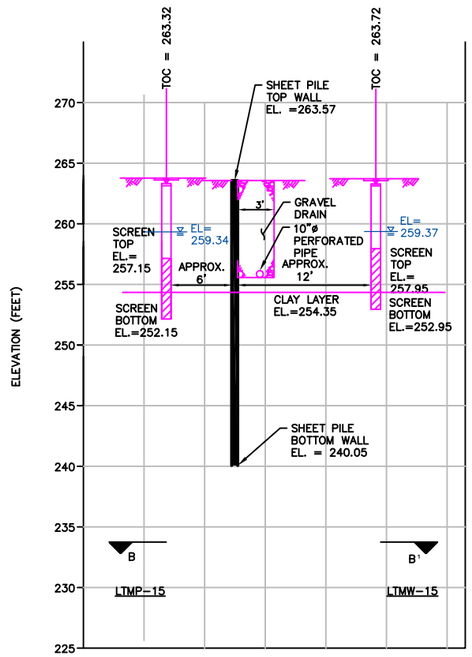
Date 12/29/25
Figure 9

Groundwater & Environmental Services, Inc.

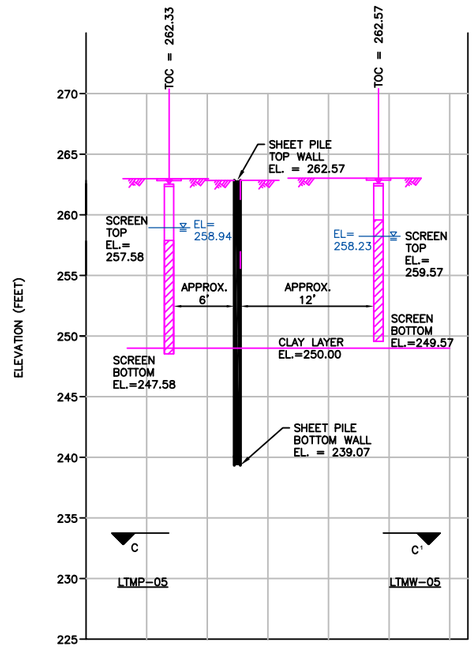
N:\Graphics\Graphics\0600-SyracuseMisc\National Grid\Saratoga Springs (Excelsior)\Saratoga Springs No flow profiles.dwg, G-H no flow, CLane, 1:1



HORIZONTAL SCALE: NTS
VERTICAL SCALE: 1:5



HORIZONTAL SCALE: NTS
VERTICAL SCALE: 1:5



HORIZONTAL SCALE: NTS
VERTICAL SCALE: 1:5

LEGEND:

- WATER TABLE
- GRAVEL
- WELL SCREEN
- SHEET PILE WALL

ABBREVIATIONS:

EL.	ELEVATION
TOC	TOP OF CASING
NM	NOT MEASURED

No Flow Boundary Profiles
September 3, 2025

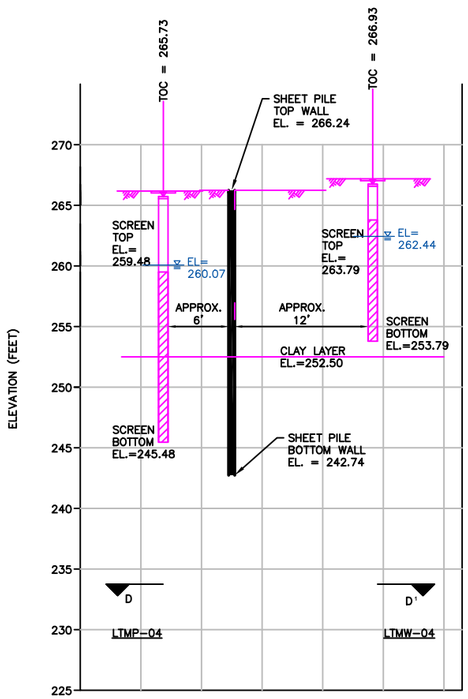
National Grid
43 Excelsior Avenue
Saratoga Springs, New York

Drawn
C.L.
Designed
R.K.
Approved

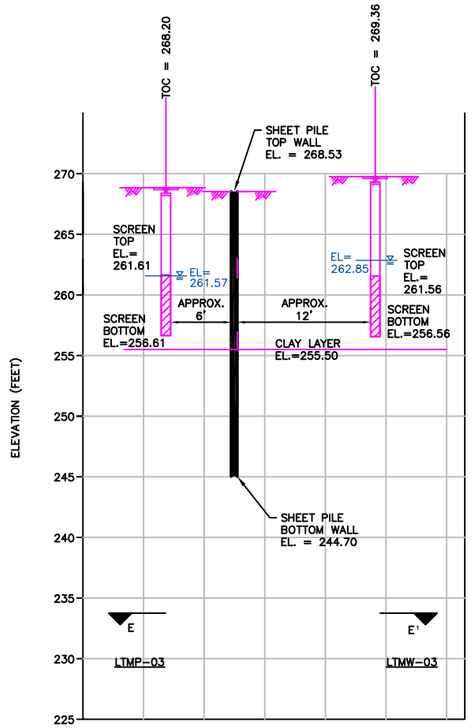
Date
12/29/25
Figure
10

Groundwater & Environmental Services, Inc.

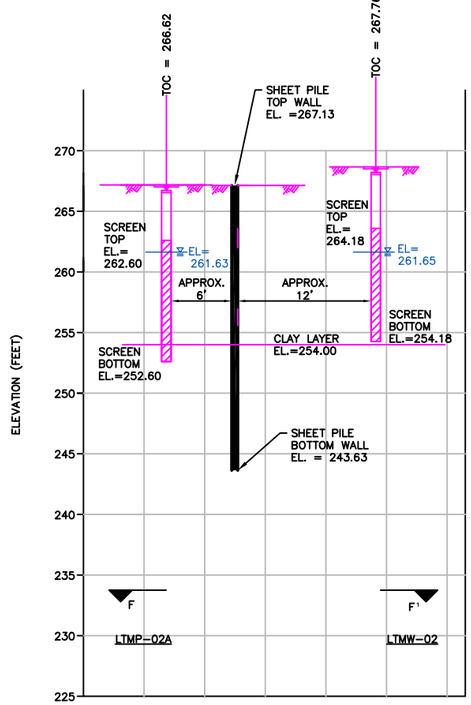
N:\Graphics\Graphics\0600-Syracuse\Misc\National Grid\Saratoga Springs (Excelsior)\Saratoga Springs No flow profiles.dwg, A-C no flow, CLane, 1:1



HORIZONTAL SCALE: NTS
VERTICAL SCALE: 1:5



HORIZONTAL SCALE: NTS
VERTICAL SCALE: 1:5



HORIZONTAL SCALE: NTS
VERTICAL SCALE: 1:5

LEGEND:

- WATER TABLE
- GRAVEL
- WELL SCREEN
- SHEET PILE WALL

ABBREVIATIONS:

EL.	ELEVATION
TOC	TOP OF CASING
NM	NOT MEASURED

No Flow Boundary Profiles
September 3, 2025

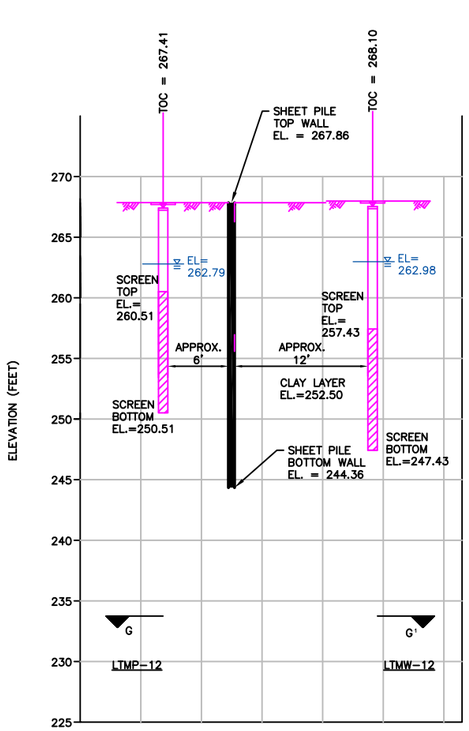
National Grid
43 Excelsior Avenue
Saratoga Springs, New York

Drawn
C.L.
Designed
R.K.
Approved

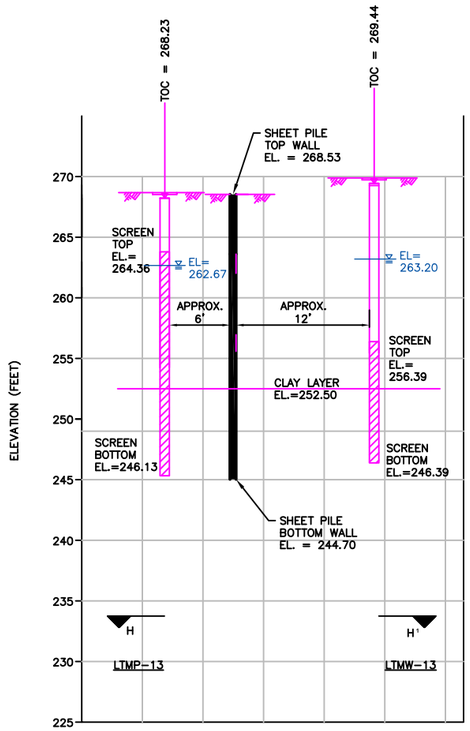
Date
12/29/25
Figure
11

Groundwater & Environmental Services, Inc.

N:\Graphics\Graphics\0600-SyracuseMisc\National Grid\Saratoga Springs (Excelsior)\Saratoga Springs No flow profiles.dwg, D-F no flow, CLane, 1:1



HORIZONTAL SCALE: NTS
VERTICAL SCALE: 1:5



HORIZONTAL SCALE: NTS
VERTICAL SCALE: 1:5

LEGEND:

- WATER TABLE
- GRAVEL
- WELL SCREEN
- SHEET PILE WALL

ABBREVIATIONS:

EL.	ELEVATION
TOC	TOP OF CASING
NM	NOT MEASURED

No Flow Boundary Profiles
September 3, 2025

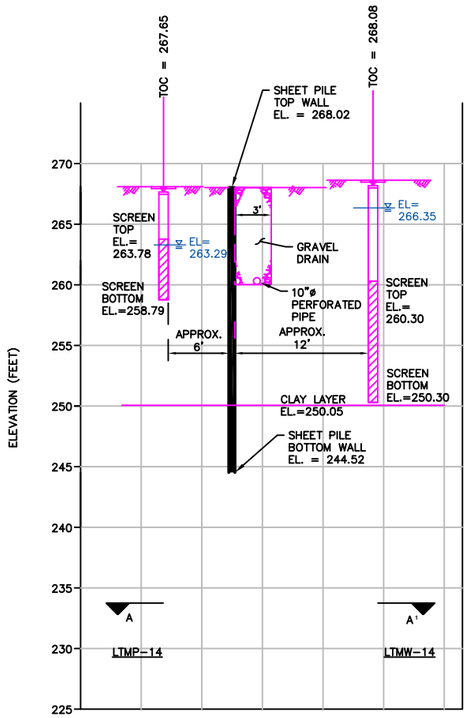
National Grid
43 Excelsior Avenue
Saratoga Springs, New York

Drawn C.L.
Designed R.K.
Approved

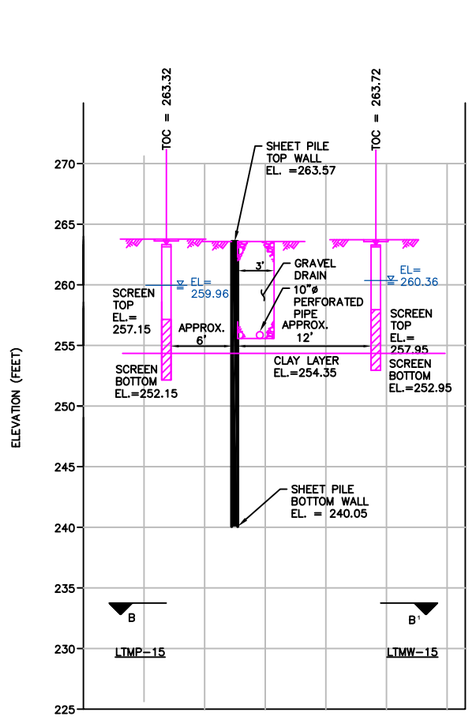
Date 12/29/25
Figure 12

Groundwater & Environmental Services, Inc.

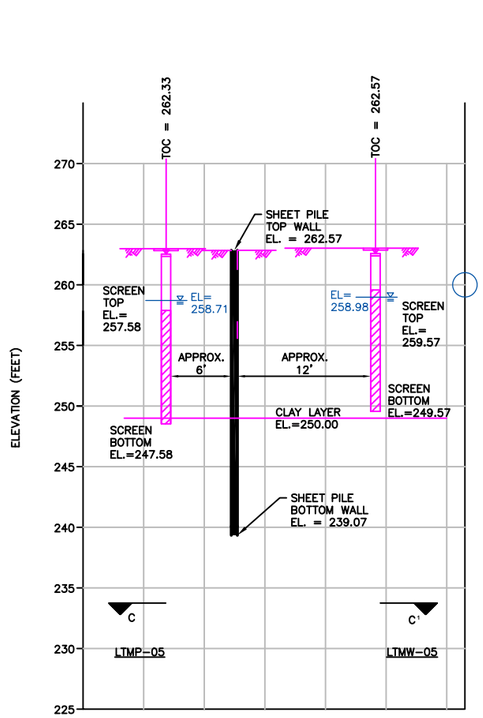
N:\Graphics\Graphics\0600-SyracuseMisc\National Grid\Saratoga Springs (Excelsior)\Saratoga Springs No flow profiles.dwg, G-H no flow, CLane, 1:1



HORIZONTAL SCALE: NTS
VERTICAL SCALE: 1:5



HORIZONTAL SCALE: NTS
VERTICAL SCALE: 1:5



HORIZONTAL SCALE: NTS
VERTICAL SCALE: 1:5

LEGEND:

- WATER TABLE
- GRAVEL
- WELL SCREEN
- SHEET PILE WALL

ABBREVIATIONS:

EL.	ELEVATION
TOC	TOP OF CASING
NM	NOT MEASURED

No Flow Boundary Profiles
December 3, 2025

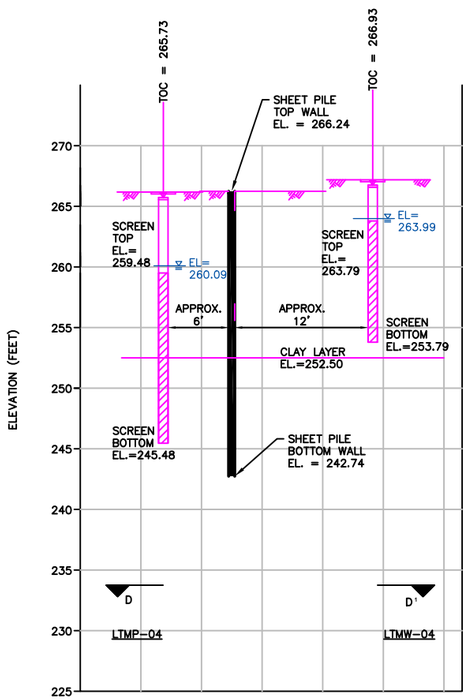
National Grid
43 Excelsior Avenue
Saratoga Springs, New York

Drawn C.L.
Designed R.K.
Approved

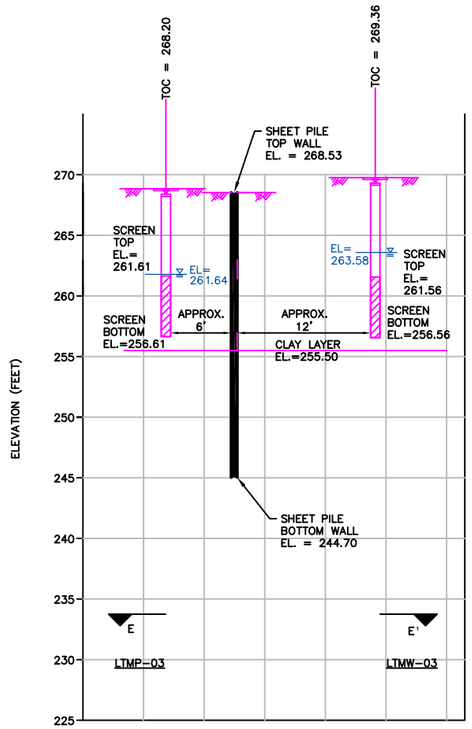
Date 12/29/25
Figure 13

Groundwater & Environmental Services, Inc.

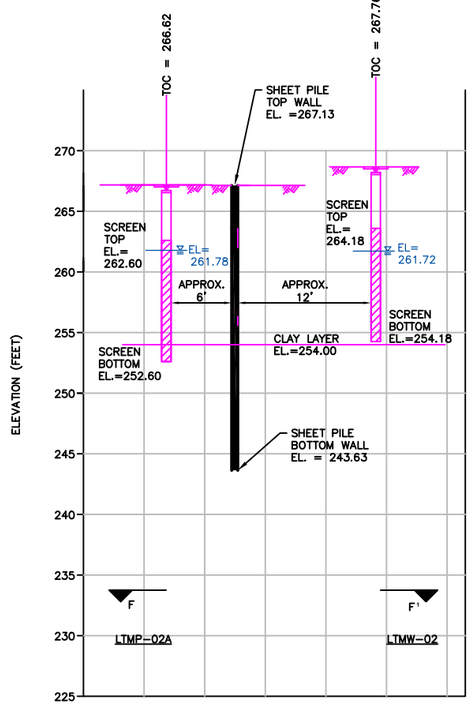
N:\Graphics\Graphics\0600-Syracuse\Misc\National Grid\Saratoga Springs (Excelsior)\Saratoga Springs No flow profiles.dwg, A-C no flow, CLane, 1:1



HORIZONTAL SCALE: NTS
VERTICAL SCALE: 1:5



HORIZONTAL SCALE: NTS
VERTICAL SCALE: 1:5



HORIZONTAL SCALE: NTS
VERTICAL SCALE: 1:5

LEGEND:

- WATER TABLE
- GRAVEL
- WELL SCREEN
- SHEET PILE WALL

ABBREVIATIONS:

EL.	ELEVATION
TOC	TOP OF CASING
NM	NOT MEASURED

No Flow Boundary Profiles
December 3, 2025

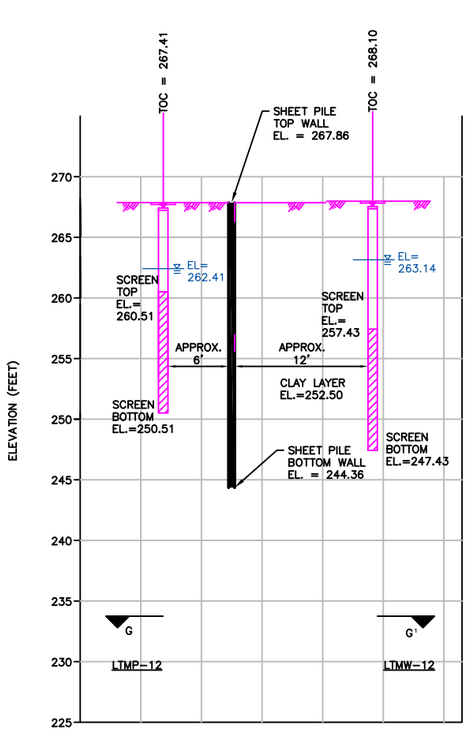
National Grid
43 Excelsior Avenue
Saratoga Springs, New York

Drawn
C.L.
Designed
R.K.
Approved

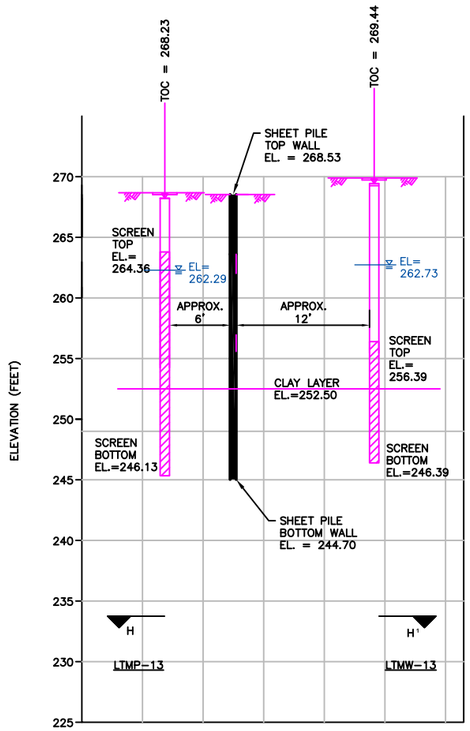
Date
12/29/25
Figure
14

Groundwater & Environmental Services, Inc.

N:\Graphics\Graphics\0600-SyracuseMisc\National Grid\Saratoga Springs (Excelsior)\Saratoga Springs No flow profiles.dwg, D-F no flow, CLane, 1:1



HORIZONTAL SCALE: NTS
VERTICAL SCALE: 1:5



HORIZONTAL SCALE: NTS
VERTICAL SCALE: 1:5

LEGEND:

- WATER TABLE
- GRAVEL
- WELL SCREEN
- SHEET PILE WALL

ABBREVIATIONS:

EL.	ELEVATION
TOC	TOP OF CASING
NM	NOT MEASURED

No Flow Boundary Profiles
December 3, 2025

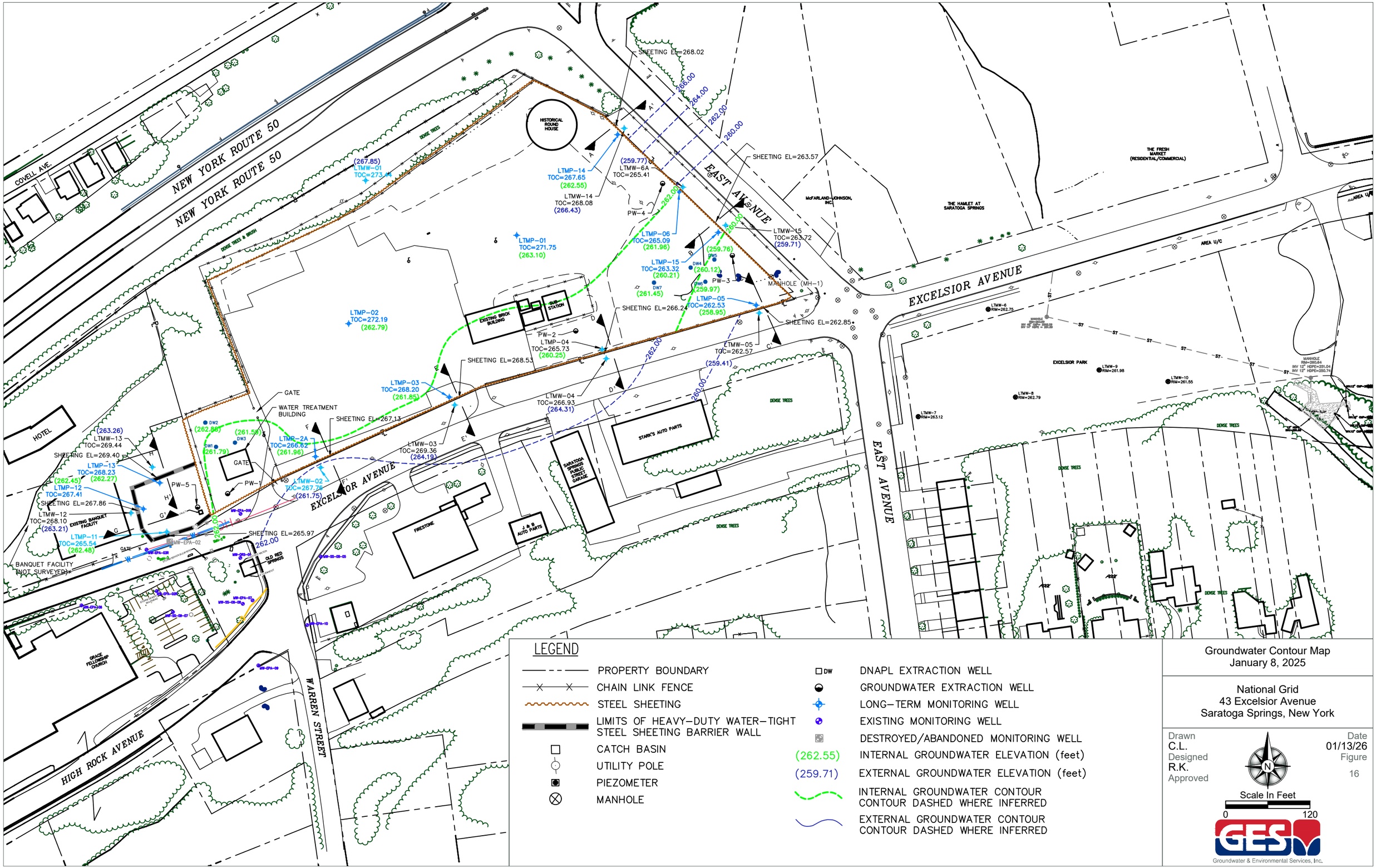
National Grid
43 Excelsior Avenue
Saratoga Springs, New York

Drawn
C.L.
Designed
R.K.
Approved

Date
12/29/25
Figure
15

Groundwater & Environmental Services, Inc.

N:\Graphics\Graphics\0600-SyracuseMisc\National Grid\Saratoga Springs (Excelsior)\Saratoga Springs No flow profiles.dwg, G-H no flow, CLane, 1:1



LEGEND

- PROPERTY BOUNDARY
- CHAIN LINK FENCE
- STEEL SHEETING
- LIMITS OF HEAVY-DUTY WATER-TIGHT STEEL SHEETING BARRIER WALL
- CATCH BASIN
- UTILITY POLE
- PIEZOMETER
- MANHOLE
- DW — DNAPL EXTRACTION WELL
- GROUNDWATER EXTRACTION WELL
- LONG-TERM MONITORING WELL
- EXISTING MONITORING WELL
- DESTROYED/ABANDONED MONITORING WELL
- (262.55) — INTERNAL GROUNDWATER ELEVATION (feet)
- (259.71) — EXTERNAL GROUNDWATER ELEVATION (feet)
- INTERNAL GROUNDWATER CONTOUR — CONTOUR DASHED WHERE INFERRED
- EXTERNAL GROUNDWATER CONTOUR — CONTOUR DASHED WHERE INFERRED

Groundwater Contour Map
January 8, 2025

National Grid
43 Excelsior Avenue
Saratoga Springs, New York

Drawn C.L.
Designed R.K.
Approved

Date 01/13/26
Figure 16

Scale In Feet
0 120

Groundwater & Environmental Services, Inc.

N:\Graphics\Graphics\0600-Syracuse\Misc\National Grid\Saratoga Springs (Excelsior)\Saratoga Springs SM_CDM.dwg, B-120, CLane, 1:1

N:\Graphics\Graphics\0600-Syracuse\Misc\National Grid\Saratoga Springs (Excelsior)\Saratoga Springs SM_CDM.dwg, B-120, CLane, 1:1

Groundwater Contour Map
April 3, 2025

National Grid
43 Excelsior Avenue
Saratoga Springs, New York

Drawn	C.L.
Designed	R.K.
Approved	
Date	01/13/26
Figure	17

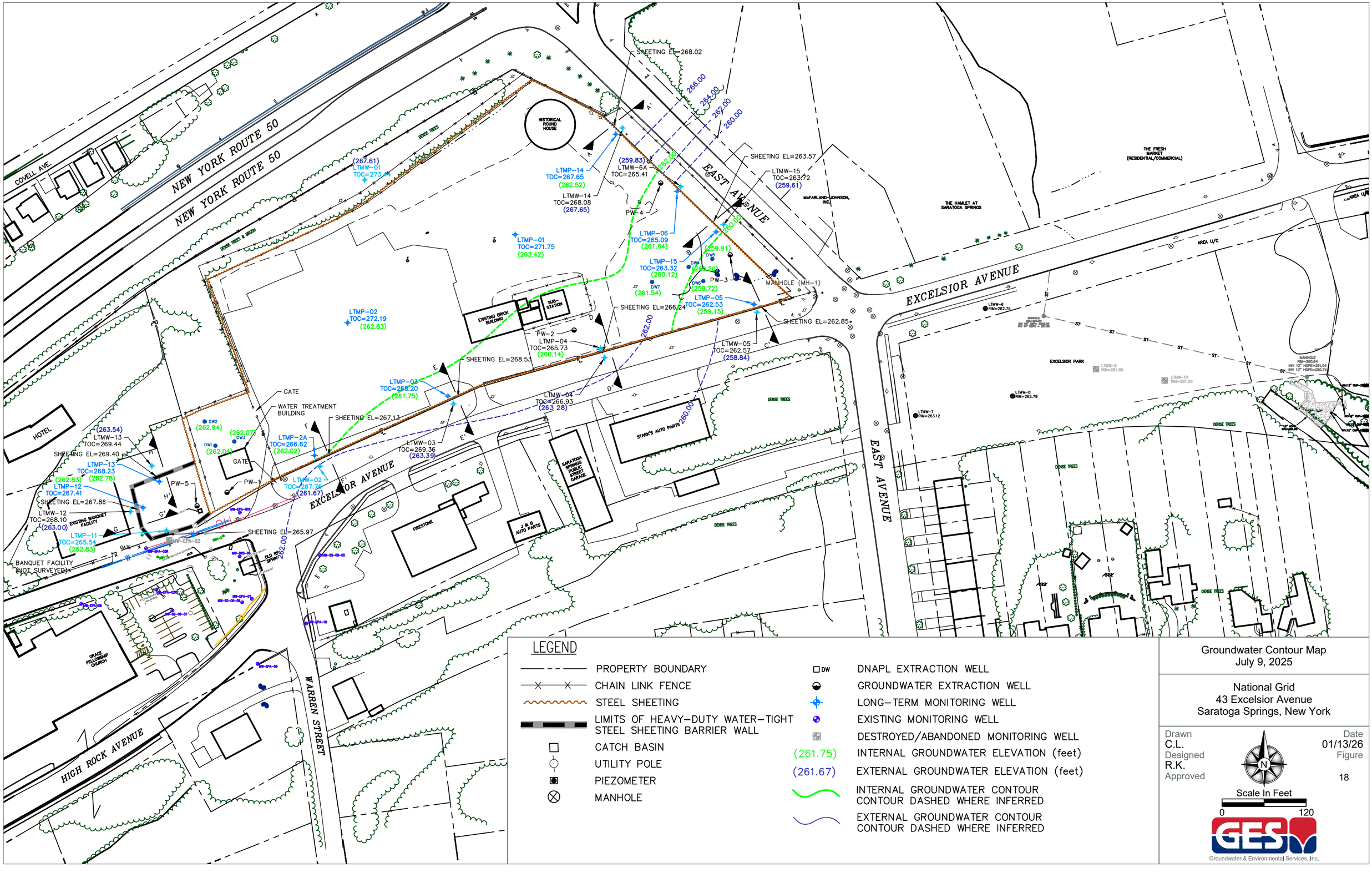
Scale In Feet
0 120

Groundwater & Environmental Services, Inc.

LEGEND

- PROPERTY BOUNDARY
- CHAIN LINK FENCE
- STEEL SHEETING
- LIMITS OF HEAVY-DUTY WATER-TIGHT STEEL SHEETING BARRIER WALL
- CATCH BASIN
- UTILITY POLE
- PIEZOMETER
- MANHOLE
- DW — DNAPL EXTRACTION WELL
- GROUNDWATER EXTRACTION WELL
- LONG-TERM MONITORING WELL
- EXISTING MONITORING WELL
- DESTROYED/ABANDONED MONITORING WELL
- (260.59) — INTERNAL GROUNDWATER ELEVATION (feet)
- (264.00) — EXTERNAL GROUNDWATER ELEVATION (feet)
- INTERNAL GROUNDWATER CONTOUR
  CONTOUR DASHED WHERE INFERRED
- EXTERNAL GROUNDWATER CONTOUR
  CONTOUR DASHED WHERE INFERRED

N:\Graphics\Graphics\0600-Syracuse\Misc\National Grid\Saratoga Springs (Excelsior)\Saratoga Springs SM_CDM.dwg, B-120, CLane, 1:1



LEGEND

- PROPERTY BOUNDARY
- CHAIN LINK FENCE
- STEEL SHEETING
- LIMITS OF HEAVY-DUTY WATER-TIGHT STEEL SHEETING BARRIER WALL
- CATCH BASIN
- UTILITY POLE
- PIEZOMETER
- MANHOLE
- DW — DNAPL EXTRACTION WELL
- GROUNDWATER EXTRACTION WELL
- LONG-TERM MONITORING WELL
- EXISTING MONITORING WELL
- DESTROYED/ABANDONED MONITORING WELL
- (261.75) — INTERNAL GROUNDWATER ELEVATION (feet)
- (261.67) — EXTERNAL GROUNDWATER ELEVATION (feet)
- INTERNAL GROUNDWATER CONTOUR CONTOUR DASHED WHERE INFERRED
- EXTERNAL GROUNDWATER CONTOUR CONTOUR DASHED WHERE INFERRED

Groundwater Contour Map
July 9, 2025

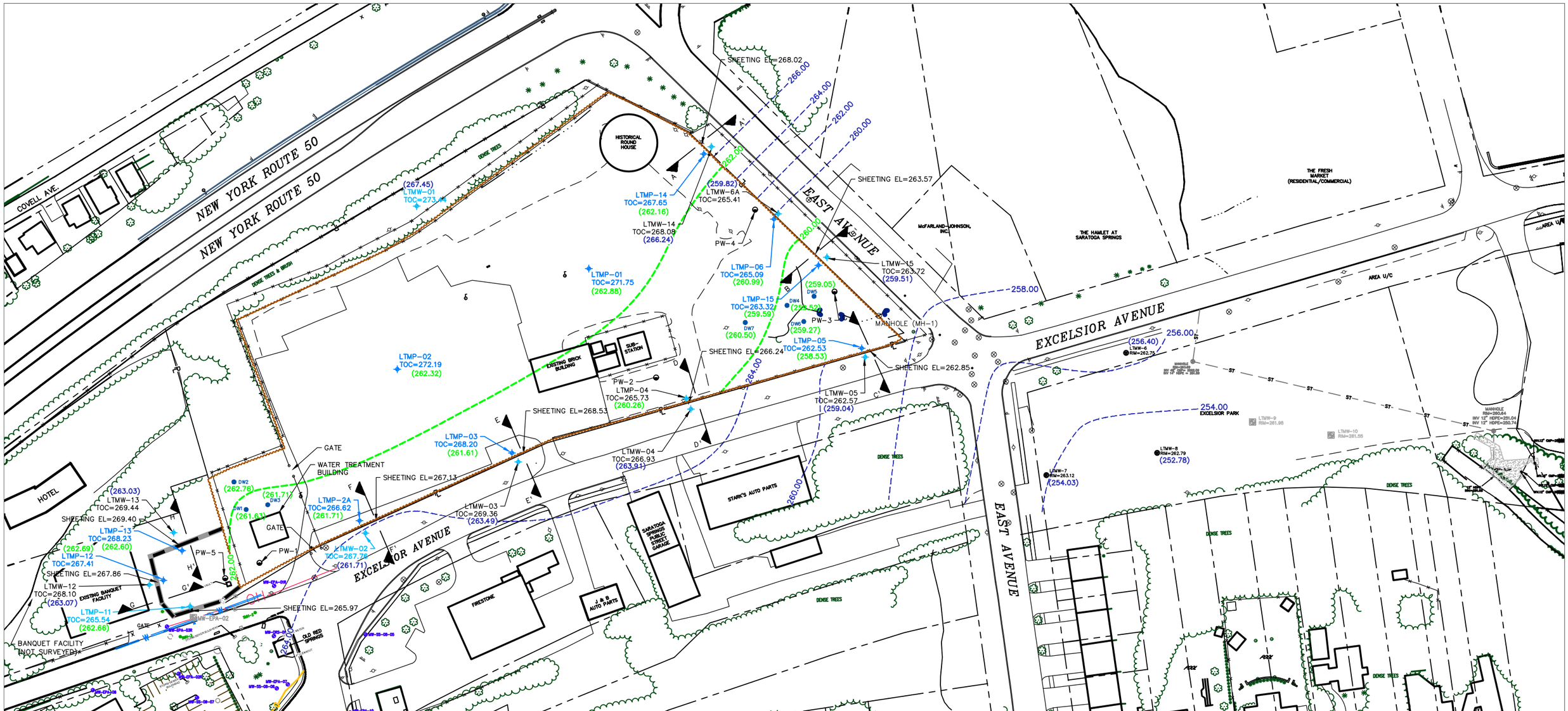
National Grid
43 Excelsior Avenue
Saratoga Springs, New York

Drawn C.L.
Designed R.K.
Approved

Date 01/13/26
Figure 18

Scale In Feet
0 120

GES
Groundwater & Environmental Services, Inc.



LEGEND

- PROPERTY BOUNDARY
- CHAIN LINK FENCE
- STEEL SHEETING
- LIMITS OF HEAVY-DUTY WATER-TIGHT STEEL SHEETING BARRIER WALL
- CATCH BASIN
- UTILITY POLE
- PIEZOMETER
- MANHOLE
- DW — DNAPL EXTRACTION WELL
- GROUNDWATER EXTRACTION WELL
- LONG-TERM MONITORING WELL
- EXISTING MONITORING WELL
- DESTROYED/ABANDONED MONITORING WELL
- (260.26) — INTERNAL GROUNDWATER ELEVATION (feet)
- (263.33) — EXTERNAL GROUNDWATER ELEVATION (feet)
- INTERNAL GROUNDWATER CONTOUR
  CONTOUR DASHED WHERE INFERRED
- EXTERNAL GROUNDWATER CONTOUR
  CONTOUR DASHED WHERE INFERRED

Groundwater Contour Map
October 1, 2025

National Grid
43 Excelsior Avenue
Saratoga Springs, New York

Drawn C.L.
Designed R.K.
Approved

Date 01/13/26
Figure 19

Scale In Feet
0 120

Groundwater & Environmental Services, Inc.

N:\Graphics\Graphics\0600-Syracuse\Misc\National Grid\Saratoga Springs (Excelsior)\Saratoga Springs SM_CDM.dwg, B-120, CLane, 1:1

Tables

Table 4

Hydraulic Control Trending

	Well Pair #2					Well Pair #3				
	LTMP-02A		LTMW-02		Delta	LTMP-03		LTMW-03		Delta
	TOC = 266.62		TOC = 267.76			TOC = 268.20		TOC = 269.36		
Date	DTW	Water EL	DTW	Water EL		DTW	Water EL	DTW	Water EL	
12/03/25	4.84	261.78	6.04	261.72	-0.06	6.56	261.64	5.78	263.58	1.94
11/05/25	4.80	261.82	5.99	261.77	-0.05	6.51	261.69	5.39	263.97	2.28
10/01/25	4.91	261.71	6.05	261.71	0.00	6.59	261.61	5.87	263.49	1.88
09/03/25	4.99	261.63	6.11	261.65	0.02	6.63	261.57	6.51	262.85	1.28
08/09/25	4.73	261.89	6.07	261.69	-0.20	6.21	261.99	6.21	263.15	1.16
07/02/25	4.60	262.02	6.05	261.71	-0.31	6.45	261.75	5.76	263.60	1.85
06/11/25	4.26	262.36	5.84	261.92	-0.44	6.00	262.20	4.28	265.08	2.88
05/07/25	4.02	262.60	5.68	262.08	-0.52	5.61	262.59	3.86	265.50	2.91
04/03/25	4.57	262.05	5.89	261.87	-0.18	6.16	262.04	4.65	264.71	2.67
03/05/25	4.97	261.65	6.03	261.73	0.08	6.65	261.55	5.54	263.82	2.27
02/05/25	5.07	261.55	5.09	262.67	1.12	6.74	261.46	6.29	263.07	1.61
01/08/25	4.66	261.96	6.01	261.75	-0.21	6.35	261.85	5.17	264.19	2.34
12/03/24	4.73	261.89	5.97	261.79	-0.10	6.51	261.69	5.55	263.81	2.12
11/06/24	5.15	261.47	6.13	261.63	0.16	6.82	261.38	6.57	262.79	1.41
10/02/24	4.96	261.66	6.08	261.68	0.02	6.67	261.53	6.20	263.16	1.63
09/05/24	4.85	261.77	6.00	261.76	-0.01	6.55	261.65	6.03	263.33	1.68
08/07/24	9.71	256.91	5.90	261.86	4.95	6.49	261.71	5.75	263.61	1.90
07/11/24	9.64	256.98	5.92	261.84	4.86	6.47	261.73	5.73	263.63	1.90
06/05/24	4.75	261.87	6.02	261.74	-0.13	6.42	261.78	5.94	263.42	1.64
05/01/24	9.28	257.34	5.67	262.09	4.75	6.09	262.11	4.58	264.78	2.67
04/04/24	9.18	257.44	5.77	261.99	4.55	6.07	262.13	4.37	264.99	2.86
03/06/24	9.57	257.05	5.82	261.94	4.89	6.09	262.11	5.22	264.14	2.03
02/07/24	9.50	257.12	5.39	262.37	5.25	6.29	261.91	4.87	264.49	2.58
01/04/24	9.60	257.02	5.90	261.86	4.84	6.40	261.80	5.22	264.14	2.34
12/06/23	4.66	261.96	5.80	261.96	0.00	6.46	261.74	5.01	264.35	2.61
11/01/23	4.89	261.73	5.90	261.86	0.13	6.70	261.50	5.75	263.61	2.11
10/03/23	5.00	261.62	6.05	261.71	0.09	6.72	261.48	6.22	263.14	1.66
09/07/23	9.79	256.83	5.95	261.81	4.98	6.60	261.60	6.01	263.35	1.75
08/01/23	9.62	257.00	5.91	261.85	4.85	6.57	261.63	5.77	263.59	1.96
07/06/23	9.60	257.02	5.74	262.02	5.00	6.42	261.78	5.17	264.19	2.41
06/01/23	9.61	257.01	5.99	261.77	4.76	6.47	261.73	6.03	263.33	1.60
05/03/23	9.16	257.46	5.52	262.24	4.78	5.72	262.48	4.14	265.22	2.74
04/04/23	4.22	262.40	5.82	261.94	-0.46	6.11	262.09	4.38	264.98	2.89
03/01/23	4.65	261.97	8.95	258.81	-3.16	6.41	261.79	4.68	264.68	2.89
02/02/23	4.59	262.03	5.88	261.88	-0.15	6.29	261.91	5.10	264.26	2.35
01/05/23	4.35	262.27	5.85	261.91	-0.36	6.09	262.11	5.18	264.18	2.07
12/08/22	4.63	261.99	5.78	261.98	-0.01	6.35	261.85	4.98	264.38	2.53
11/01/22	4.77	261.85	5.84	261.92	0.07	6.50	261.70	5.78	262.87	1.17
10/05/22	5.87	260.75	5.98	261.78	1.03	6.58	261.62	5.97	262.68	1.06
09/07/22	4.72	261.90	5.82	261.94	0.04	6.47	261.73	3.74	264.91	3.18
08/03/22	4.90	261.72	6.08	261.68	-0.04	6.60	261.60	6.35	262.30	0.70
07/07/22	4.85	261.77	6.06	261.70	-0.07	6.57	261.63	6.28	262.37	0.74
06/02/22	4.72	261.90	6.01	261.75	-0.15	6.43	261.77	6.03	262.62	0.85
05/19/22	4.64	261.98	5.99	261.77	-0.21	6.32	261.88	5.72	262.93	1.05
04/06/22	4.64	261.98	5.95	261.81	-0.17	6.35	261.85	5.17	263.48	1.63
03/02/22	5.04	261.58	6.09	261.67	0.09	6.83	261.37	6.25	262.40	1.03
02/02/22	5.35	261.27	6.19	261.57	0.30	7.06	261.14	6.43	262.22	1.08
01/06/22	6.92	259.70	6.02	261.74	2.04	6.63	261.57	5.34	263.31	1.74
12/01/21	5.14	261.48	6.01	261.75	0.27	6.88	261.32	5.79	262.86	1.54
11/04/21	5.04	261.58	5.91	261.85	0.27	6.74	261.46	4.98	263.67	2.21
10/07/21	5.02	261.60	5.79	261.97	0.37	6.72	261.48	4.63	264.02	2.54
09/01/21	5.07	261.55	6.00	261.76	0.21	6.77	261.43	5.51	263.14	1.71
08/04/21	5.00	261.62	5.88	261.88	0.26	6.69	261.51	4.78	263.87	2.36
07/21/21	4.91	261.71	5.77	261.99	0.28	6.63	261.57	4.64	264.01	2.44
06/03/21	4.90	261.72	6.03	261.73	0.01	6.60	261.60	5.86	263.50	1.90
05/05/21	4.62	262.10	6.11	262.07	-0.03	6.45	261.91	5.26	264.05	2.14
04/07/21	4.92	261.80	6.22	261.96	0.16	6.69	261.67	5.45	263.86	2.19
03/03/21	5.26	261.46	Under Ice	-	-	7.08	261.28	4.94	264.37	3.09
02/03/21	5.20	261.52	6.34	261.84	0.32	7.04	261.32	5.95	263.36	2.04
01/06/21	4.87	261.85	5.98	262.20	0.35	6.65	261.71	5.01	264.30	2.59
12/02/20	4.85	261.87	5.98	262.20	0.33	5.17	263.19	5.01	264.30	1.11
11/04/20	5.04	261.68	6.21	261.97	0.29	6.84	261.52	5.85	263.46	1.94
10/09/20	5.02	261.70	6.25	261.93	0.23	6.03	262.33	6.22	263.09	0.76
09/02/20	4.98	261.74	6.35	261.83	0.09	6.58	261.78	6.28	263.03	1.25
08/05/20	4.90	261.82	6.05	262.13	0.31	5.51	262.85	5.61	263.70	0.85
07/08/20	5.10	261.62	6.32	261.86	0.24	6.58	261.78	6.41	262.90	1.12
06/04/20	5.00	261.72	6.31	261.87	0.15	6.83	261.53	6.08	263.23	1.70
05/13/20	4.87	261.85	6.23	261.95	0.10	6.70	261.66	5.53	263.78	2.12
04/04/20	4.68	262.04	6.03	262.15	0.11	5.18	263.18	4.50	264.81	1.63
03/04/20	4.80	261.92	6.10	262.08	0.16	6.35	262.01	4.65	264.66	2.65
02/05/20	5.15	261.57	6.20	261.98	0.41	5.00	263.36	5.70	263.61	0.25
01/07/20	5.00	261.72	6.11	262.07	0.35	6.90	261.46	4.90	264.41	2.95
12/12/19	5.01	261.71	6.01	262.17	0.46	6.86	261.50	4.47	264.84	3.34
11/06/19	5.30	261.42	6.09	262.09	0.67	7.04	261.32	4.78	264.53	3.21
10/03/19	5.65	261.07	6.45	261.73	0.66	7.38	260.98	6.58	262.73	1.75
09/11/19	5.40	261.32	6.30	261.88	0.56	7.25	261.11	6.20	263.11	2.00
08/07/19	5.25	261.47	6.00	262.18	0.71	7.10	261.26	6.20	263.11	1.85
07/10/19	5.20	261.52	6.28	261.90	0.38	7.00	261.36	6.02	263.29	1.93
06/05/19	5.10	261.62	6.25	261.93	0.31	6.90	261.46	5.40	263.91	2.45
05/01/19	4.80	261.92	6.10	262.08	0.16	6.60	261.76	4.60	264.71	2.95
04/06/19	4.80	261.92	6.40	261.78	-0.14	6.50	261.86	5.95	263.36	1.50
03/05/19	5.45	261.27	7.00	261.18	-0.09	Under Ice	-	6.40	262.91	-
02/05/19	5.40	261.32	6.95	261.23	-0.09	Under Ice	-	6.25	263.06	-
01/09/19	5.15	261.57	6.58	261.60	0.03	7.00	261.36	5.28	264.03	2.67
12/04/18	5.02	261.70	6.35	261.83	0.13	4.85	263.51	4.19	265.12	1.61
11/07/18	5.51	261.21	6.21	261.97	0.76	7.15	261.21	7.63	261.68	0.47
10/04/18	5.54	261.18	6.50	261.68	0.50	7.30	261.06	5.41	263.90	2.84
09/06/18	5.54	261.18	6.86	261.32	0.14	7.30	261.06	6.05	263.26	2.20
08/08/18	5.36	261.36	6.40	261.78	0.42	7.15	261.21	5.00	264.31	3.10
07/12/18	5.39	261.33	6.95	261.23	-0.10	7.15	261.21	6.30	263.01	1.80
06/06/18	5.45	261.27	6.90	261.28	0.01	7.05	261.31	6.00	263.31	2.00
05/01/18	4.90	261.82	6.49	261.69	-0.13	6.60	261.76	4.62	264.69	2.93
04/25/18	5.00	261.72	6.60	261.58	-0.14	6.75	261.61	5.03	264.28	2.67
03/08/18	6.20	260.52	6.25	261.93	1.41	6.85	261.51	4.16	265.15	3.64
02/06/18	5.85	260.87	6.75	261.43	0.56	7.56	260.80	5.90	263.41	2.61
01/17/18	5.90	260.82	6.42	261.76	0.94	7.58	260.78	5.43	263.88	3.10
12/18/17	5.97	260.75	7.00	261.18	0.43	7.70	260.66	6.45	262.86	2.20
11/07/17	5.80	260.92	7.05	261.13	0.21	6.00	262.36	6.15	263.16	0.80
10/25/17	5.77	260.95	7.32	260.86	-0.09	7.52	260.84	6.70	262.61	1.77
09/19/17	5.57	261.15	7.01	261.17	0.02	7.35	261.01	6.41	262.90	1.89
08/10/17	5.31	261.41	6.92	261.26	-0.15	7.11	261.25	6.05	263.26	2.01
07/12/17	5.20	261.52	6.66	261.52	0.00	6.95	261.41	5.53	263.78	2.37
06/14/17	5.03	261.69	6.55	261.63	-0.06	6.75	261.61	4.87	264.44	2.83
05/23/17	5.02	261.70	6.68	261.50	-0.20	6.75	261.61	5.44	263.87	2.26
04/20/17	4.98	261.74	6.53	261.65	-0.09	6.68	261.68	4.81	264.50	2.82
03/21/17	5.18	261.54	6.68	261.50	-0.04	6.94	261.42	5.46	263.85	2.43
02/21/17	5.21	261.51	6.57	261.61	0.10	7.08	261.28	5.23	264.08	2.80
01/11/17	5.45	261.27	6.59	261.59	0.32	6.99	261.37	5.23	264.08	2.71
12/28/16	5.41	261.31	6.61	261.57	0.26	7.32	261.04	5.36	263.95	2.91
11/21/16	5.61	261.11	6.84	261.34	0.23	7.41	260.95	6.10	263.21	2.26
10/11/16	5.58	261.14	7.31	260.87	-0.27	7.63	260.73	6.72	262.59	1.86
09/14/16	5.69	261.03	7.08	261.10	0.07	7.47	260.89	6.42	262.89	2.00
08/03/16	5.51	261.21	7.00	261.18	-0.03	7.30	261.06	5.70	263.61	2.55
07/07/16	5.60	261.12	7.05	261.13	0.01	7.27	261.09	6.37	262.94	1.85
06/07/16	5.33	261.39	6.86	261.32	-0.07	7.14	261.22	6.04	263.27	2.05
05/03/16	5.32	261.40	6.72	261.46	0.06	7.17	261.19	5.75	263.56	2.37
04/12/16	5.33	261.39	6.65	261.53	0.14	5.82	262.54	5.29	264.02	1.48
03/21/16	5.53	261.19	6.13	262.05	0.86	5.45	262.91	4.71	264.60	1.69
02/05/16	5.75	260.97	6.82	261.36	0.39	7.55	260.81	6.21	263.10	2.29
01/07/16	5.82	260.90	6.52	261.66	0.76	7.58	260.78	4.93	264.38	3.60
12/01/15	5.94	260.78	6.87	261.31	0.53	7.69	260.67	6.30	263.01	2.34
11/02/15	5.85	260.87	6.40	261.78	0.91	7.53	260.83	5.80	263.51	2.68
10/07/15	5.84	260.88	6.63	261.55	0.67	7.58	260.78	5.31	264.00	3.22
09/15/15	5.82	260.90	6.98	261.20	0.30	7.48	260.88	6.33	262.98	2.10
08/04/15	5.59	261.13	6.70	261.48	0.35	7.33	261.03	5.60	263.71	2.68
07/22/15	5.46	261.26	6.35	261.83	0.57	7.25	261.11	4.38	264.93	3.82
06/08/15	5.50	261.22	6.65	261.53	0.31	7.30	261.06	5.40	263.91	2.85
05/05/15	5.32	261.40	6.66	261.52	0.12	7.02	261.34	5.90	263.41	2.07
04/01/15	5.63	261.09	6.41	261.77	0.68	7.35	261.01	6.62	262.69	1.68
03/02/15	5.50	261.22	6.45	261.73	0.51	7.12	261.24	6.70	262.61	1.37
02/10/15	5.38	261.34	6.48	261.70	0.36	7.04	261.32	6.80	262.51	1.19
01/06/15	5.35	261.37	6.51	261.67	0.30	7.02	261.34	6.67	262.64	1.30
12/01/14	5.90	260.82	7.10	261.08	0.26	7.65	260.71	7.14	262.17	1.46
11/04/14	5.85	260.87	7.12	261.06	0.19	7.58	260.78	7.28	262.03	1.25
10/08/14	5.75	260.97	7.16	261.02	0.05	7.51	260.85	7.32	261.99	1.14
09/04/14	5.50	261.22	6.48	261.70	0.48	7.28	261.08	5.00	264.31	3.23
08/04/14	5.38	261.34	6.87	261.31	-0.03	7.22	261.14	4.85	264.46	3.32
07/07/14	5.25	261.47	6.68	261.50	0.03	7.10	261.26	5.10	264.21	2.95
06/02/14	5.25	261.47	6.68	261.50	0.03	7.01	261.35	4.66	264.65	3.30
05/06/14	5.18	261.54	6.20	261.98	0.44	6.85	261.51	4.98	264.33	2.82
04/02/14	5.04	261.68	6.30	261.88	0.20	6.66	261.70	4.90	264.41	2.71
03/19/14	5.63	261.09	6.81	261.37	0.28	7.40	260.96	6.25	263.06	2.10
02/04/14	5.58	261.14	6.79	261.39	0.25	7.30	261.06	6.22	263.09	2.03
01/09/14	5.55	261.17	6.82	261.36	0.19	7.28	261.08	6.13	263.18	2.10
12/03/13	5.42	261.30	6.70	261.48	0.18	7.25	261.11	5.82	263.49	2.38
11/06/13	5.66	261.06	6.90	261.28	0.22	7.48	260.88	6.06	263.25	2.37
10/02/13	5.70	261.02	6.97	261.21	0.19	7.50	260.86	6.50	262.81	1.95
09/11/13	5.55	261.17	6.96	261.22	0.05	7.35	261.01	6.50	262.81	1.80
08/07/13	5.27	261.45	6.85	261.33	-0.12	7.22	261.14	5.00	264.31	3.17
07/01/13	5.08	261.64	6.64	261.54	-0.10	6.81	261.55	4.63	264.68	3.13
06/10/13	5.27	261.45	6.80	261.38	-0.07	7.20	261.16	6.17	263.14	1.98
05/07/13	5.12	261.60	6.58	261.60	0.00	6.85	261.51	5.10	264.21	2.70
04/01/13	5.21	261.51	6.67	261.51	0.00	7.08	261.28	5.65	263.66	2.38
03/03/13	5.82	260.90	6.90	261.28	0.38	7.68	260.68	6.35	262.96	2.28
02/05/13	5.79	260.93	6.90	261.28	0.35	7.65	260.71	6.35	262.96	2.25
01/09/13	5.72	261.00	6.90	261.28	0.28	7.55	260.81	6.35	262.96	2.15

Table 4

Hydraulic Control Trending

	Well Pair #4					Well Pair #5				
	LTMP-04		LTMW-04		Delta	LTMP-05		LTMW-05		Delta
	TOC = 265.73		TOC = 266.93			TOC = 262.33		TOC = 262.57		
Date	DTW	Water EL	DTW	Water EL		DTW	Water EL	DTW	Water EL	
12/03/25	5.64	260.09	2.94	263.99	3.90	3.62	258.71	3.59	258.98	0.27
11/05/25	5.31	260.42	2.33	264.60	4.18	3.37	258.96	2.98	259.59	0.63
10/01/25	5.47	260.26	3.02	263.91	3.65	3.80	258.53	3.53	259.04	0.51
09/03/25	5.66	260.07	4.49	262.44	2.37	3.39	258.94	4.34	258.23	-0.71
08/09/25	5.59	260.14	3.80	263.13	2.99	3.32	259.01	3.82	258.75	-0.26
07/02/25	5.59	260.14	3.36	263.57	3.43	3.18	259.15	3.40	259.17	0.02
06/11/25	4.62	261.11	1.60	265.33	4.22	2.33	260.00	2.09	260.48	0.48
05/07/25	3.80	261.93	1.30	265.63	3.70	1.98	260.35	1.94	260.63	0.28
04/03/25	5.14	260.59	0.91	266.02	5.43	3.34	258.99	2.06	260.51	1.52
03/05/25	5.30	260.43	2.31	264.62	4.19	3.63	258.70	2.95	259.62	0.92
02/05/25	5.97	259.76	4.39	262.54	2.78	3.87	258.46	4.38	258.19	-0.27
01/08/25	5.48	260.25	2.62	264.31	4.06	3.38	258.95	3.16	259.41	0.46
12/03/24	5.33	260.40	2.67	264.26	3.86	3.54	258.79	3.23	259.34	0.55
11/06/24	5.62	260.11	4.51	262.42	2.31	3.92	258.41	4.32	258.25	-0.16
10/02/24	5.70	260.03	3.85	263.08	3.05	3.93	258.40	4.03	258.54	0.14
09/05/24	5.59	260.14	3.54	263.39	3.25	3.40	258.93	3.63	258.94	0.01
08/07/24	5.65	260.08	2.14	264.79	4.71	3.78	258.55	3.01	259.56	1.01
07/11/24	5.73	260.00	3.08	263.85	3.85	3.62	258.71	3.42	259.15	0.44
06/05/24	5.78	259.95	3.62	263.31	3.36	3.46	258.87	3.55	259.02	0.15
05/01/24	5.35	260.38	1.69	265.24	4.86	3.86	258.47	2.31	260.26	1.79
04/04/24	4.97	260.76	2.16	264.77	4.01	2.94	259.39	2.51	260.06	0.67
03/06/24	5.56	260.17	1.84	265.09	4.92	3.12	259.21	2.53	260.04	0.83
02/07/24	5.45	260.28	2.49	264.44	4.16	2.98	259.35	2.86	259.71	0.36
01/04/24	5.61	260.12	2.62	264.31	4.19	3.49	258.84	3.09	259.48	0.64
12/06/23	5.22	260.51	2.08	264.85	4.34	3.66	258.67	2.67	259.90	1.23
11/01/23	5.79	259.94	2.50	264.43	4.49	3.86	258.47	3.12	259.45	0.98
10/03/23	5.80	259.93	3.66	263.27	3.34	4.09	258.24	4.00	258.57	0.33
09/07/23	5.67	260.06	3.27	263.66	3.60	3.97	258.36	3.59	258.98	0.62
08/01/23	5.63	260.10	3.24	263.69	3.59	3.69	258.64	3.48	259.09	0.45
07/06/23	5.32	260.41	2.16	264.77	4.36	3.39	258.94	2.64	259.93	0.99
06/01/23	4.80	260.93	3.79	263.14	2.21	3.60	258.73	3.85	258.72	-0.01
05/03/23	3.90	261.83	1.36	265.57	3.74	2.07	260.26	2.03	260.54	0.28
04/04/23	4.71	261.02	2.07	264.86	3.84	2.36	259.97	2.67	259.90	-0.07
03/01/23	5.60	260.13	2.61	264.32	4.19	3.48	258.85	3.21	259.36	0.51
02/02/23	5.42	260.31	2.39	264.54	4.23	3.09	259.24	2.85	259.72	0.48
01/05/23	5.21	260.52	1.46	265.47	4.95	3.09	259.24	3.66	258.91	-0.33
12/08/22	4.89	260.84	1.49	265.44	4.60	3.35	258.98	2.33	260.24	1.26
11/01/22	5.43	260.30	2.91	263.44	3.14	3.82	258.51	3.35	259.22	0.71
10/05/22	5.57	260.16	2.84	263.51	3.35	3.88	258.45	3.63	258.94	0.49
09/07/22	5.38	260.35	2.11	264.24	3.89	3.32	259.01	3.26	259.31	0.30
08/03/22	5.64	260.09	4.10	262.25	2.16	3.57	258.76	4.34	258.23	-0.53
07/07/22	5.62	260.11	4.20	262.15	2.04	3.47	258.86	4.32	258.25	-0.61
06/02/22	5.69	260.04	3.80	262.55	2.51	3.01	259.32	3.91	258.66	-0.66
05/19/22	5.46	260.27	3.31	263.04	2.77	2.96	259.37	3.68	258.89	-0.48
04/06/22	5.24	260.49	2.33	264.02	3.53	3.00	259.33	2.86	259.71	0.38
03/02/22	5.45	260.28	3.81	262.54	2.26	2.89	259.44	3.74	258.83	-0.61
02/02/22	6.18	259.55	4.29	262.06	2.51	4.31	258.02	4.38	258.19	0.17
01/06/22	5.74	259.99	2.60	263.75	3.76	3.65	258.68	3.17	259.40	0.72
12/01/21	5.87	259.86	3.12	263.23	3.37	3.60	258.73	3.53	259.04	0.31
11/04/21	5.43	260.30	2.30	264.05	3.75	3.50	258.83	2.79	259.78	0.95
10/07/21	5.12	260.61	1.84	264.51	3.90	3.61	258.72	2.47	260.10	1.38
09/01/21	5.57	260.16	3.07	263.28	3.12	3.73	258.60	3.42	259.15	0.55
08/04/21	5.52	260.21	2.25	264.10	3.89	3.52	258.81	2.59	259.98	1.17
07/21/21	5.08	260.65	1.36	264.99	4.34	3.47	258.86	2.22	260.35	1.49
06/03/21	5.85	259.88	3.57	262.78	2.90	3.67	258.66	3.71	258.86	0.20
05/05/21	3.66	262.07	0.80	265.94	3.87	2.66	259.87	2.67	259.90	0.03
04/07/21	5.51	260.22	2.40	264.34	4.12	3.61	258.92	3.30	259.27	0.35
03/03/21	Under Ice	-	Under Ice	-	-	3.81	258.72	1.91	260.66	1.94
02/03/21	Under Ice	-	2.68	264.06	-	4.09	258.44	Under Ice	-	-
01/06/21	5.15	260.58	1.43	265.31	4.73	3.14	259.39	2.43	260.14	0.75
12/02/20	4.89	260.84	1.43	265.31	4.47	3.71	258.82	2.43	260.14	1.32
11/04/20	5.76	259.97	2.43	264.31	4.34	4.06	258.47	3.44	259.13	0.66
10/09/20	5.81	259.92	5.81	260.93	1.01	4.41	258.12	4.06	258.51	0.39
09/02/20	5.26	260.47	2.47	264.27	3.80	4.48	258.05	4.10	258.47	0.42
08/05/20	5.15	260.58	1.72	265.02	4.44	3.98	258.55	2.00	260.57	2.02
07/08/20	5.83	259.90	3.85	262.89	2.99	9.32	253.21	4.15	258.42	5.21
06/04/20	5.85	259.88	3.58	263.16	3.28	3.85	258.68	4.18	258.39	-0.29
05/13/20	5.71	260.02	5.02	261.72	1.70	3.46	259.07	3.26	259.31	0.24
04/04/20	4.93	260.80	1.70	265.04	4.24	3.12	259.41	2.37	260.20	0.79
03/04/20	3.90	261.83	1.10	265.64	3.81	3.00	259.53	2.55	260.02	0.49
02/05/20	4.60	261.13	2.50	264.24	3.11	3.95	258.58	2.40	260.17	1.59
01/07/20	5.49	260.24	1.88	264.86	4.62	3.90	258.63	2.80	259.77	1.14
12/12/19	4.82	260.91	1.38	265.36	4.45	3.84	258.69	2.21	260.36	1.67
11/06/19	5.48	260.25	2.12	264.62	4.37	4.46	258.07	2.85	259.72	1.65
10/03/19	6.20	259.53	4.30	262.44	2.91	5.05	257.48	4.78	257.79	0.31
09/11/19	5.95	259.78	3.50	263.24	3.46	4.80	257.73	4.05	258.52	0.79
08/07/19	6.00	259.73	3.50	263.24	3.51	3.90	258.63	3.40	259.17	0.54
07/10/19	5.91	259.82	3.44	263.30	3.48	3.88	258.65	3.83	258.74	0.09
06/05/19	5.80	259.93	2.60	264.14	4.21	3.70	258.83	3.30	259.27	0.44
05/01/19	5.44	260.29	2.05	264.69	4.40	3.45	259.08	2.60	259.97	0.89
04/06/19	5.15	260.58	2.08	264.66	4.08	3.45	259.08	3.30	259.27	0.19
03/05/19	Under Ice	-	Under Ice	-	-	Under Ice	-	Under Ice	-	-
02/05/19	Under Ice	-	Under Ice	-	-	Under Ice	-	Under Ice	-	-
01/09/19	5.80	259.93	1.01	265.73	5.80	3.60	258.93	2.65	259.92	0.99
12/04/18	4.93	260.80	1.60	265.14	4.34	3.52	259.01	2.48	260.09	1.08
11/07/18	4.95	260.78	1.40	265.34	4.56	4.00	258.53	2.31	260.26	1.73
10/04/18	5.35	260.38	1.55	265.19	4.81	4.10	258.43	1.65	260.92	2.49
09/06/18	5.90	259.83	3.45	263.29	3.46	4.45	258.08	3.98	258.59	0.51
08/08/18	5.40	260.33	2.40	264.34	4.01	4.00	258.53	2.70	259.87	1.34
07/12/18	5.98	259.75	3.72	263.02	3.27	4.32	258.21	4.08	258.49	0.28
06/06/18	5.95	259.78	3.66	263.08	3.30	3.94	258.59	3.90	258.67	0.08
05/01/18	5.11	260.62	1.45	265.29	4.67	3.45	259.08	2.30	260.27	1.19
04/25/18	5.65	260.08	1.70	265.04	4.96	3.60	258.93	2.81	259.76	0.83
03/08/18	4.90	260.83	0.70	266.04	5.21	3.32	259.21	2.05	260.52	1.31
02/06/18	6.10	259.63	2.90	263.84	4.21	4.55	257.98	3.70	258.87	0.89
01/17/18	5.65	260.08	2.40	264.34	4.26	4.41	258.12	3.10	259.47	1.35
12/18/17	6.45	259.28	2.60	264.14	4.86	4.86	257.67	4.30	258.27	0.60
11/17/17	6.25	259.48	2.84	263.90	4.42	4.53	258.00	3.70	258.87	0.87
10/25/17	6.19	259.54	4.65	262.09	2.55	4.60	257.93	4.15	258.42	0.49
09/19/17	6.07	259.66	4.05	262.69	3.03	4.41	258.12	4.59	257.98	-0.14
08/10/17	5.92	259.81	3.56	263.18	3.37	4.23	258.30	3.80	258.77	0.47
07/12/17	5.80	259.93	2.69	264.05	4.12	3.92	258.61	3.46	259.11	0.50
06/14/17	5.64	260.09	2.56	264.18	4.09	3.65	258.88	2.03	260.54	1.66
05/23/17	5.74	259.99	2.73	264.01	4.02	3.54	258.99	3.12	259.45	0.46
04/20/17	5.54	260.19	2.40	264.34	4.15	3.51	259.02	3.23	259.34	0.32
03/21/17	Under Water	-	2.51	264.23	-	3.65	258.88	2.66	259.91	1.03
02/21/17	5.22	260.51	1.75	264.99	4.48	3.29	259.24	3.27	259.30	0.06
01/11/17	5.21	260.52	1.85	264.89	4.37	3.94	258.59	1.73	260.84	2.25
12/28/16	5.45	260.28	1.44	265.30	5.02	3.74	258.79	3.15	259.42	0.63
11/21/16	6.03	259.70	3.30	263.44	3.74	4.14	258.39	3.48	259.09	0.70
10/11/16	6.29	259.44	5.40	261.34	1.90	4.47	258.06	5.08	257.49	-0.57
09/14/16	6.14	259.59	4.29	262.45	2.86	4.61	257.92	4.84	257.73	-0.19
08/03/16	8.89	256.84	4.25	262.49	5.65	4.16	258.37	3.72	258.85	0.48
07/07/16	5.98	259.75	4.55	262.19	2.44	4.70	257.83	4.71	257.86	0.03
06/07/16	5.94	259.79	3.85	262.89	3.10	3.83	258.70	4.28	258.29	-0.41
05/03/16	5.88	259.85	3.20	263.54	3.69	3.65	258.88	3.50	259.07	0.19
04/12/16	5.77	259.96	1.82	264.92	4.96	3.51	259.02	3.04	259.53	0.51
03/21/16	5.75	259.98	2.15	264.59	4.61	3.81	258.72	2.74	259.83	1.11
02/05/16	6.10	259.63	3.01	263.73	4.10	4.00	258.53	2.75	259.82	1.29
01/07/16	5.71	260.02	2.34	264.40	4.38	4.28	258.25	3.04	259.53	1.28
12/01/15	6.32	259.41	3.30	263.44	4.03	4.83	257.70	4.26	258.31	0.61
11/02/15	5.76	259.97	2.22	264.52	4.55	4.55	257.98	3.35	259.22	1.24
10/07/15	6.12	259.61	2.88	263.86	4.25	4.71	257.82	4.09	258.48	0.66
09/15/15	6.23	259.50	3.27	263.47	3.97	4.73	257.80	4.70	257.87	0.07
08/04/15	5.95	259.78	3.20	263.54	3.76	4.71	257.82	3.80	258.77	0.95
07/22/15	5.48	260.25	2.68	264.06	3.81	4.22	258.31	2.85	259.72	1.41
06/08/15	5.95	259.78	2.80	263.94	4.16	4.05	258.48	3.75	258.82	0.34
05/05/15	5.72	260.01	2.60	264.14	4.13	3.87	258.66	3.50	259.07	0.41
04/01/15	5.93	259.80	1.40	265.34	5.54	3.90	258.63	2.67	259.90	1.27
03/02/15	5.91	259.82	2.12	264.62	4.80	3.82	258.71	2.75	259.82	1.11
02/10/15	5.90	259.83	2.25	264.49	4.66	3.80	258.73	3.00	259.57	0.84
01/06/15	5.85	259.88	2.23	264.51	4.63	3.78	258.75	2.93	259.64	0.89
12/01/14	6.45	259.28	3.65	263.09	3.81	4.85	257.68	4.52	258.05	0.37
11/04/14	6.32	259.41	3.80	262.94	3.53	4.90	257.63	4.65	257.92	0.29
10/08/14	6.25	259.48	4.51	262.31	2.83	4.93	257.60	4.63	257.94	0.34
09/04/14	5.60	260.13	2.40	264.34	4.21	4.50	258.03	3.07	259.50	1.47
08/04/14	5.90	259.83	2.02	264.72	4.89	4.27	258.26	2.65	259.92	1.66
07/07/14	4.75	260.98	2.35	264.39	3.41	4.02	258.51	3.00	259.57	1.06
06/02/14	5.78	259.95	3.17	263.57	3.62	3.78	258.75	3.76	258.81	0.06
05/06/14	8.25	257.48	2.05	264.69	7.21	3.60	258.93	2.00	260.57	1.64
04/02/14	3.90	261.83	0.90	265.84	4.01	2.95	259.58	2.17	260.40	0.82
03/19/14	6.26	259.47	2.92	263.82	4.35	4.90	257.63	3.05	259.52	1.89
02/04/14	6.17	259.56	2.80	263.94	4.38	4.87	257.66	3.00	259.57	1.91
01/09/14	6.11	259.62	2.78	263.96	4.34	4.82	257.71	2.94	259.63	1.92
12/03/13	5.07	260.66	3.02	263.72	3.06	4.76	257.77	3.61	258.96	1.19
11/06/13	6.30	259.43	3.15	263.59	4.16	5.02	257.51	4.14	258.43	0.92
10/02/13	6.20	259.53	3.65	263.09	3.56	5.10	257.43	4.40	258.17	0.74
09/11/13	6.06	259.67	3.60	263.14	3.47	4.98	257.55	4.32	258.25	0.70
08/07/13	5.86	259.87	2.02	264.72	4.85	4.72	257.81	3.65	258.92	1.11
07/01/13	5.51	260.22	2.23	264.51	4.29	3.17	259.36	3.25	259.32	-0.04
06/10/13	5.82	259.91	3.60	263.14	3.23	3.87	258.66	3.90	258.67	0.01
05/07/13	5.43	260.30	2.00	264.74	4.44	3.67	258.86	2.88	259.69	0.83
04/01/13	5.45	260.28	1.95	264.79	4.51	3.00	259.53	3.10	259.47	-0.06
03/03/13	6.27	259.46	3.30	263.44	3.98	4.28	258.25	3.98	258.59	0.34
02/05/13	6.25	259.48	3.30	263.44	3.96	4.32	258.21	3.98	258.59	0.38
01/09/13	6.18	259.55	3.30	263.44	3.89	4.42	258.11	3.98	258.59	0.48

Table 4

Hydraulic Control Trending

	Well Pair #12					Well Pair #13				
	LTMP-12		LTMW-12		Delta	LTMP-13		LTMW-13		Delta
	TOC = 267.41		TOC = 268.10			TOC = 268.23		TOC = 269.44		
Date	DTW	Water EL	DTW	Water EL		DTW	Water EL	DTW	Water EL	
12/03/25	5.00	262.41	4.96	263.14	0.73	5.94	262.29	6.71	262.73	0.44
11/05/25	4.75	262.66	4.89	263.21	0.55	5.68	262.55	6.83	262.61	0.06
10/01/25	4.72	262.69	5.03	263.07	0.38	5.63	262.60	6.41	263.03	0.43
09/03/25	4.62	262.79	5.12	262.98	0.19	5.56	262.67	6.24	263.20	0.53
08/09/25	4.64	262.77	5.39	262.71	-0.06	5.67	262.56	6.74	262.70	0.14
07/02/25	4.58	262.83	5.05	263.05	0.22	5.45	262.78	6.00	263.44	0.66
06/11/25	4.58	262.83	4.50	263.60	0.77	Under Car	-	6.00	263.44	-
05/07/25	4.63	262.78	4.31	263.79	1.01	5.55	262.68	6.00	263.44	0.76
04/03/25	4.88	262.53	4.61	263.49	0.96	6.02	262.21	5.53	263.91	1.70
03/05/25	5.00	262.41	4.75	263.35	0.94	6.06	262.17	5.79	263.65	1.48
02/05/25	5.06	262.35	5.09	263.01	0.66	6.18	262.05	6.68	262.76	0.71
01/08/25	4.96	262.45	4.89	263.21	0.76	5.96	262.27	5.91	263.53	1.26
12/03/24	Under Car	-	Under Car	-	-	Under Car	-	6.75	262.69	-
11/06/24	5.46	261.95	Under Dumpster		-	5.46	262.77	6.89	262.55	-0.22
10/02/24	4.50	262.91	5.12	262.98	0.07	5.61	262.62	6.18	263.26	0.64
09/05/24	4.70	262.71	5.51	262.59	-0.12	5.70	262.53	5.99	263.45	0.92
08/07/24	4.66	262.75	5.00	263.10	0.35	5.62	262.61	6.61	262.83	0.22
07/11/24	4.58	262.83	5.05	263.05	0.22	5.62	262.61	6.09	263.35	0.74
06/05/24	4.60	262.81	5.06	263.04	0.23	5.22	263.01	6.37	263.07	0.06
05/01/24	4.60	262.81	4.49	263.61	0.80	5.75	262.48	5.73	263.71	1.23
04/04/24	4.73	262.68	4.75	263.35	0.67	5.86	262.37	5.78	263.66	1.29
03/06/24	4.79	262.62	4.29	263.81	1.19	5.79	262.44	6.37	263.07	0.63
02/07/24	4.93	262.48	4.83	263.27	0.79	6.03	262.20	6.15	263.29	1.09
01/04/24	4.94	262.47	5.00	263.10	0.63	5.98	262.25	6.36	263.08	0.83
12/06/23	4.81	262.60	4.85	263.25	0.65	5.68	262.55	6.40	263.04	0.49
11/01/23	4.86	262.55	4.99	263.11	0.56	5.79	262.44	6.09	263.35	0.91
10/03/23	4.78	262.63	5.10	263.00	0.37	5.75	262.48	6.32	263.12	0.64
09/07/23	4.69	262.72	5.04	263.06	0.34	5.63	262.60	6.49	262.95	0.35
08/01/23	4.68	262.73	5.07	263.03	0.30	5.66	262.57	6.56	262.88	0.31
07/06/23	4.61	262.80	4.96	263.14	0.34	5.60	262.63	6.14	263.30	0.67
06/01/23	4.59	262.82	5.11	262.99	0.17	5.81	262.42	6.03	263.41	0.99
05/03/23	4.61	262.80	4.56	263.54	0.74	5.52	262.71	5.82	263.62	0.91
04/04/23	4.70	262.71	4.80	263.30	0.59	5.65	262.58	5.48	263.96	1.38
03/01/23	4.92	262.49	5.04	263.06	0.57	5.89	262.34	6.45	262.99	0.65
02/02/23	5.00	262.41	5.01	263.09	0.68	5.92	262.31	6.60	262.84	0.53
01/05/23	5.05	262.36	5.05	263.05	0.69	6.05	262.18	6.03	263.41	1.23
12/08/22	5.90	261.51	5.89	262.21	0.70	6.90	261.33	6.39	263.05	1.72
11/01/22	Under Car	-	Under Car	-	-	5.79	262.44	6.74	262.70	0.26
10/05/22	4.75	262.66	5.06	263.04	0.38	5.63	262.60	6.56	262.88	0.28
09/07/22	4.67	262.74	4.92	263.18	0.44	5.56	262.67	6.34	263.10	0.43
08/03/22	4.70	262.71	5.10	263.00	0.29	5.13	263.10	6.22	263.22	0.12
07/07/22	4.65	262.76	5.08	263.02	0.26	5.45	262.78	6.20	263.24	0.46
06/02/22	4.54	262.87	5.06	263.04	0.17	5.41	262.82	6.04	263.40	0.58
05/19/22	4.56	262.85	5.01	263.09	0.24	5.35	262.88	5.89	263.55	0.67
04/06/22	4.72	262.69	4.82	263.28	0.59	5.62	262.61	5.78	263.66	1.05
03/02/22	4.83	262.58	4.95	263.15	0.57	5.72	262.51	6.07	263.37	0.86
02/02/22	4.94	262.47	5.10	263.00	0.53	5.94	262.29	6.24	263.20	0.91
01/06/22	4.92	262.49	4.99	263.11	0.62	5.79	262.44	6.56	262.88	0.44
12/01/21	4.92	262.49	5.03	263.07	0.58	5.80	262.43	6.72	262.72	0.29
11/04/21	4.84	262.57	4.87	263.23	0.66	5.63	262.60	6.82	262.62	0.02
10/07/21	4.71	262.70	4.71	263.39	0.69	5.53	262.70	6.11	263.33	0.63
09/01/21	4.69	262.72	5.03	263.07	0.35	5.51	262.72	6.52	262.92	0.20
08/04/21	4.69	262.72	4.92	263.18	0.46	5.56	262.67	6.38	263.06	0.39
07/21/21	4.68	262.73	4.59	263.51	0.78	5.50	262.73	6.15	263.29	0.56
06/03/21	4.67	262.74	4.79	263.31	0.57	5.74	262.49	6.08	263.36	0.87
05/05/21	4.69	262.72	4.44	263.09	0.37	5.52	262.71	5.89	263.55	0.84
04/07/21	4.77	262.64	4.73	262.80	0.16	5.68	262.55	5.91	263.53	0.98
03/03/21	4.85	262.56	4.59	262.94	0.38	5.94	262.29	6.09	263.35	1.06
02/03/21	4.81	262.60	4.87	262.66	0.06	5.61	262.62	6.16	263.28	0.66
01/06/21	4.84	262.57	4.45	263.08	0.51	5.86	262.37	6.10	263.34	0.97
12/02/20	4.86	262.55	4.45	263.08	0.53	5.75	262.48	6.10	263.34	0.86
11/04/20	4.89	262.52	4.84	262.69	0.17	5.72	262.51	6.33	263.11	0.60
10/09/20	4.68	262.73	4.97	262.56	-0.17	5.65	262.58	6.34	263.10	0.52
09/02/20	4.71	262.70	4.95	262.58	-0.12	6.86	261.37	6.39	263.05	1.68
08/05/20	4.76	262.65	4.62	262.91	0.26	5.78	262.45	6.16	263.28	0.83
07/08/20	4.63	262.78	4.91	262.62	-0.16	5.35	262.88	6.38	263.06	0.18
06/04/20	4.64	262.77	4.88	262.65	-0.12	5.36	262.87	6.07	263.37	0.50
05/13/20	4.76	262.65	4.83	262.70	0.05	5.70	262.53	5.88	263.56	1.03
04/04/20	4.68	262.73	4.40	263.13	0.40	5.50	262.73	5.72	263.72	0.99
03/04/20	Inaccessible	-	Inaccessible	-	-	Inacessible	-	5.92	263.52	-
02/05/20	4.95	262.46	4.86	262.67	0.21	5.60	262.63	6.10	263.34	0.71
01/07/20	4.88	262.53	4.64	262.89	0.36	Under Car	-	6.40	263.04	-
12/12/19	4.97	262.44	4.36	263.17	0.73	5.89	262.34	5.97	263.47	1.13
11/06/19	4.83	262.58	4.75	262.78	0.20	5.90	262.33	5.88	263.56	1.23
10/03/19	4.85	262.56	5.10	262.43	-0.13	5.50	262.73	6.50	262.94	0.21
09/11/19	4.70	262.71	5.00	262.53	-0.18	Under Car	-	6.50	262.94	-
08/07/19	4.64	262.77	4.58	262.95	0.18	5.50	262.73	6.16	263.28	0.55
07/10/19	5.40	262.01	5.00	262.53	0.52	5.50	262.73	6.40	263.04	0.31
06/05/19	3.70	263.71	4.70	262.83	-0.88	Under Car	-	5.45	263.99	-
05/01/19	4.45	262.96	4.55	262.98	0.02	5.35	262.88	5.62	263.82	0.94
04/06/19	4.90	262.51	4.75	262.78	0.27	Under Car	-	5.90	263.54	-
03/05/19	5.10	262.31	Under Snow	-	-	6.00	262.23	6.30	263.14	0.91
02/05/19	5.15	262.26	Under Snow	-	-	5.81	262.42	6.30	263.14	0.72
01/09/19	5.05	262.36	4.95	262.58	0.22	5.00	263.23	6.05	263.39	0.16
12/04/18	5.41	262.00	5.49	262.04	0.04	5.92	262.31	6.03	263.41	1.10
11/07/18	Under Car	-	Under Car	-	-	5.29	262.94	6.10	263.34	0.40
10/04/18	5.15	262.26	4.63	262.90	0.64	5.90	262.33	6.20	263.24	0.91
09/06/18	5.10	262.31	5.10	262.43	0.12	5.80	262.43	6.13	263.31	0.88
08/08/18	6.40	261.01	4.85	262.68	1.67	5.90	262.33	5.07	264.37	2.04
07/12/18	5.35	262.06	5.13	262.40	0.34	5.90	262.33	6.51	262.93	0.60
06/06/18	5.35	262.06	5.10	262.43	0.37	5.95	262.28	6.45	262.99	0.71
05/01/18	5.09	262.32	4.62	262.91	0.59	5.90	262.33	6.15	263.29	0.96
04/25/18	5.00	262.41	4.90	262.63	0.22	5.90	262.33	6.10	263.34	1.01
03/08/18	5.02	262.39	4.50	263.03	0.64	5.80	262.43	5.85	263.59	1.16
02/06/18	5.15	262.26	5.10	262.43	0.17	Under Car	-	6.42	263.02	-
01/17/18	5.10	262.31	4.96	262.57	0.26	5.35	262.88	6.31	263.13	0.25
12/18/17	5.10	262.31	5.40	262.13	-0.18	5.95	262.28	6.70	262.74	0.46
11/07/17	NR	-	NR	-	-	NR	-	6.62	262.82	-
10/25/17	5.05	262.36	5.10	262.43	0.07	5.78	262.45	6.48	262.96	0.51
09/19/17	5.05	262.36	5.47	262.06	-0.30	6.12	262.11	6.51	262.93	0.82
08/10/17	5.11	262.30	5.16	262.37	0.07	6.03	262.20	6.37	263.07	0.87
07/12/17	5.12	262.29	5.02	262.51	0.22	5.85	262.38	6.05	263.39	1.01
06/14/17	5.17	262.24	5.01	262.52	0.28	5.94	262.29	5.91	263.53	1.24
05/23/17	5.11	262.30	4.95	262.58	0.28	5.99	262.24	5.98	263.46	1.22
04/20/17	5.10	262.31	4.81	262.72	0.41	6.10	262.13	5.70	263.74	1.61
03/21/17	5.05	262.36	4.79	262.74	0.38	5.93	262.30	5.89	263.55	1.25
02/21/17	4.65	262.76	5.19	262.34	-0.42	4.07	264.16	5.88	263.56	-0.60
01/11/17	5.01	262.40	4.85	262.68	0.28	5.83	262.40	6.05	263.39	0.99
12/28/16	5.16	262.25	4.74	262.79	0.54	5.96	262.27	6.09	263.35	1.08
11/21/16	5.15	262.26	5.20	262.33	0.07	6.25	261.98	6.14	263.30	1.32
10/11/16	5.28	262.13	5.30	262.23	0.10	5.90	262.33	6.36	263.08	0.75
09/14/16	5.29	262.12	5.29	262.24	0.12	6.14	262.09	6.36	263.08	0.99
08/03/16	5.25	262.16	4.88	262.65	0.49	6.25	261.98	6.13	263.31	1.33
07/07/16	5.25	262.16	5.05	262.48	0.32	6.29	261.94	6.07	263.37	1.43
06/07/16	5.39	262.02	5.01	262.52	0.50	6.52	261.71	6.08	263.36	1.65
05/03/16	5.37	262.04	4.96	262.57	0.53	6.42	261.81	6.00	263.44	1.63
04/12/16	5.19	262.22	4.65	262.88	0.66	6.14	262.09	5.92	263.52	1.43
03/21/16	5.31	262.10	4.86	262.67	0.57	6.12	262.11	5.89	263.55	1.44
02/05/16	5.51	261.90	4.89	262.64	0.74	6.21	262.02	5.88	263.56	1.54
01/07/16	5.41	262.00	4.85	262.68	0.68	6.32	261.91	5.78	263.66	1.75
12/01/15	5.71	261.70	5.10	262.43	0.73	6.40	261.83	6.03	263.41	1.58
11/02/15	5.40	262.01	4.82	262.71	0.70	6.26	261.97	5.80	263.64	1.67
10/07/15	5.46	261.95	5.01	262.52	0.57	6.37	261.86	5.97	263.47	1.61
09/15/15	5.55	261.86	4.86	262.67	0.81	6.42	261.81	5.98	263.46	1.65
08/04/15	5.39	262.02	5.00	262.53	0.51	6.25	261.98	6.00	263.44	1.46
07/22/15	5.27	262.14	4.80	262.73	0.59	6.39	261.84	6.01	263.43	1.59
06/08/15										
05/05/15										
04/01/15										
03/02/15										
02/10/15										
01/06/15										
12/01/14										
11/04/14										
10/08/14										
09/04/14										
08/04/14										
07/07/14										
06/02/14										
05/06/14										
04/02/14										
03/19/14										
02/04/14										
01/09/14										
12/03/13										
11/06/13										
10/02/13										
09/11/13										
08/07/13										
07/01/13										
06/10/13										
05/07/13										
04/01/13										
03/03/13										
02/05/13										
01/09/13										

Table 4

Hydraulic Control Trending

	Well Pair #14					Well Pair #15				
	LTMP-14		LTMW-14		Delta	LTMP-15		LTMW-15		Delta
	TOC = 267.65		TOC = 268.08			TOC = 263.32		TOC = 263.72		
Date	DTW	Water EL	DTW	Water EL		DTW	Water EL	DTW	Water EL	
12/03/25	4.36	263.29	1.73	266.35	3.06	3.36	259.96	3.36	260.36	0.40
11/05/25	5.18	262.47	1.83	266.25	3.78	3.44	259.88	4.61	259.11	-0.77
10/01/25	5.49	262.16	1.84	266.24	4.08	3.73	259.59	4.21	259.51	-0.08
09/03/25	5.62	262.03	1.54	266.54	4.51	3.98	259.34	4.35	259.37	0.03
08/09/25	5.27	262.38	0.94	267.14	4.76	3.60	259.72	5.48	258.24	-1.48
07/02/25	5.13	262.52	0.37	267.71	5.19	3.20	260.12	4.00	259.72	-0.40
06/11/25	4.33	263.32	0.13	267.95	4.63	2.34	260.98	3.92	259.80	-1.18
05/07/25	3.09	264.56	0.14	267.94	3.38	1.29	262.03	3.82	259.90	-2.13
04/03/25	4.48	263.17	0.75	267.33	4.16	2.63	260.69	4.10	259.62	-1.07
03/05/25	5.07	262.58	2.50	265.58	3.00	2.97	260.35	4.21	259.51	-0.84
02/05/25	3.91	263.74	1.65	266.43	2.69	3.72	259.60	4.14	259.58	-0.02
01/08/25	5.10	262.55	1.65	266.43	3.88	3.11	260.21	4.01	259.71	-0.50
12/03/24	5.41	262.24	2.07	266.01	3.77	3.41	259.91	3.98	259.74	-0.17
11/06/24	6.18	261.47	2.00	266.08	4.61	4.19	259.13	4.27	259.45	0.32
10/02/24	5.77	261.88	1.63	266.45	4.57	4.05	259.27	4.30	259.42	0.15
09/05/24	5.58	262.07	1.41	266.67	4.60	3.90	259.42	4.34	259.38	-0.04
08/07/24	5.37	262.28	1.28	266.80	4.52	3.53	259.79	4.20	259.52	-0.27
07/11/24	5.38	262.27	0.82	267.26	4.99	4.60	258.72	1.08	262.64	3.92
06/05/24	5.28	262.37	0.45	267.63	5.26	3.42	259.90	4.05	259.67	-0.23
05/01/24	4.66	262.99	0.25	267.83	4.84	2.44	260.88	3.85	259.87	-1.01
04/04/24	4.22	263.43	0.47	267.61	4.18	2.52	260.80	3.91	259.81	-0.99
03/06/24	4.98	262.67	0.80	267.28	4.61	2.33	260.99	5.11	258.61	-2.38
02/07/24	4.99	262.66	1.00	267.08	4.42	3.03	260.29	4.14	259.58	-0.71
01/04/24	5.21	262.44	1.78	266.30	3.86	3.19	260.13	4.09	259.63	-0.50
12/06/23	5.13	262.52	2.20	265.88	3.36	3.76	259.56	3.95	259.77	0.21
11/01/23	5.73	261.92	2.21	265.87	3.95	3.82	259.50	4.44	259.28	-0.22
10/03/23	5.89	261.76	2.25	265.83	4.07	4.09	259.23	4.31	259.41	0.18
09/07/23	5.66	261.99	2.02	266.06	4.07	4.04	259.28	4.20	259.52	0.24
08/01/23	5.35	262.30	1.54	266.54	4.24	3.81	259.51	4.11	259.61	0.10
07/06/23	5.22	262.43	1.15	266.93	4.50	3.43	259.89	4.10	259.62	-0.27
06/01/23	5.20	262.45	0.88	267.20	4.75	3.47	259.85	4.17	259.55	-0.30
05/03/23	3.08	264.57	0.55	267.53	2.96	1.30	262.02	4.04	259.68	-2.34
04/04/23	0.77	266.88	4.00	264.08	-2.80	5.60	257.72	3.95	259.77	2.05
03/01/23	5.09	262.56	1.26	266.82	4.26	2.91	260.41	4.02	259.70	-0.71
02/02/23	4.76	262.89	1.35	266.73	3.84	2.83	260.49	5.13	258.59	-1.90
01/05/23	4.64	263.01	1.74	266.34	3.33	2.29	261.03	4.05	259.67	-1.36
12/08/22	4.50	263.15	2.15	265.93	2.78	3.49	259.83	4.12	259.60	-0.23
11/01/22	5.09	262.56	2.19	265.89	3.33	3.57	259.75	4.36	259.36	-0.39
10/05/22	5.10	262.55	2.27	265.81	3.26	3.56	259.76	4.30	259.42	-0.34
09/07/22	4.86	262.79	2.02	266.06	3.27	3.05	260.27	4.28	259.44	-0.83
08/03/22	5.10	262.55	1.20	266.88	4.33	3.16	260.16	4.30	259.42	-0.74
07/07/22	5.09	262.56	1.10	266.98	4.42	3.34	259.98	4.17	259.55	-0.43
06/02/22	5.07	262.58	0.59	267.49	4.91	2.98	260.34	4.06	259.66	-0.68
05/19/22	4.75	262.90	0.44	267.64	4.74	2.65	260.67	4.01	259.71	-0.96
04/06/22	4.58	263.07	0.64	267.44	4.37	2.54	260.78	4.48	259.24	-1.54
03/02/22	4.96	262.69	1.10	266.98	4.29	3.14	260.18	4.48	259.24	-0.94
02/02/22	6.30	261.35	1.25	266.83	5.48	4.49	258.83	4.61	259.11	0.28
01/06/22	5.33	262.32	1.03	267.05	4.73	3.57	259.75	4.04	259.68	-0.07
12/01/21	5.97	261.68	1.24	266.84	5.16	4.86	258.46	3.88	259.84	1.38
11/04/21	5.04	262.61	1.27	266.81	4.20	3.47	259.85	4.00	259.72	-0.13
10/07/21	4.94	262.71	1.37	266.71	4.00	3.48	259.84	3.96	259.76	-0.08
09/01/21	5.67	261.98	1.36	266.72	4.74	2.87	260.45	4.17	259.55	-0.90
08/04/21	4.98	262.67	1.42	266.66	3.99	3.53	259.79	4.06	259.66	-0.13
07/21/21	5.15	262.50	1.42	266.66	4.16	3.24	260.08	4.18	259.54	-0.54
06/03/21	5.17	262.48	1.12	266.96	4.48	3.80	259.52	4.21	259.51	-0.01
05/05/21	4.52	263.13	0.89	267.28	4.15	1.72	261.60	4.12	259.60	-2.00
04/07/21	5.21	262.44	1.12	267.05	4.61	3.09	260.23	4.20	259.52	-0.71
03/03/21	5.41	262.24	1.32	266.85	4.61	4.73	258.59	3.71	260.01	1.42
02/03/21	5.67	261.98	1.39	266.78	4.80	3.94	259.38	4.25	259.47	0.09
01/06/21	4.55	263.10	1.95	266.22	3.12	2.66	260.66	4.26	259.46	-1.20
12/02/20	5.06	262.59	1.95	266.22	3.63	3.07	260.25	4.26	259.46	-0.79
11/04/20	5.20	262.45	2.26	265.91	3.46	3.63	259.69	4.42	259.30	-0.39
10/09/20	5.35	262.30	2.23	265.94	3.64	4.93	258.39	4.46	259.26	0.87
09/02/20	5.15	262.50	1.95	266.22	3.72	3.87	259.45	4.38	259.34	-0.11
08/05/20	4.88	262.77	1.51	266.66	3.89	3.54	259.78	4.18	259.54	-0.24
07/08/20	5.32	262.33	1.29	266.88	4.55	3.94	259.38	4.25	259.47	0.09
06/04/20	5.45	262.20	0.90	267.27	5.07	3.45	259.87	4.18	259.54	-0.33
05/13/20	7.08	260.57	0.73	267.44	6.87	3.01	260.31	4.14	259.58	-0.73
04/04/20	4.47	263.18	0.73	267.44	4.26	2.50	260.82	4.00	259.72	-1.10
03/04/20	4.70	262.95	0.90	267.27	4.32	2.20	261.12	5.60	258.12	-3.00
02/05/20	5.40	262.25	1.05	267.12	4.87	3.50	259.82	4.20	259.52	-0.30
01/07/20	5.00	262.65	1.00	267.17	4.52	6.00	257.32	3.10	260.62	3.30
12/12/19	4.86	262.79	1.24	266.93	4.14	2.85	260.47	4.10	259.62	-0.85
11/06/19	5.10	262.55	1.76	266.41	3.86	3.87	259.45	4.56	259.16	-0.29
10/03/19	6.10	261.55	2.10	266.07	4.52	4.85	258.47	4.70	259.02	0.55
09/11/19	5.00	262.65	1.80	266.37	3.72	4.60	258.72	4.50	259.22	0.50
08/07/19	5.58	262.07	1.50	266.67	4.60	4.10	259.22	4.35	259.37	0.15
07/10/19	5.50	262.15	1.00	267.17	5.02	3.90	259.42	4.25	259.47	0.05
06/05/19	3.30	264.35	0.60	267.57	3.22	5.60	257.72	4.20	259.52	1.80
05/01/19	4.80	262.85	0.40	267.77	4.92	2.90	260.42	4.00	259.72	-0.70
04/06/19	4.75	262.90	0.60	267.57	4.67	2.75	260.57	4.20	259.52	-1.05
03/05/19	NM	-	0.60	267.57	-	3.60	259.72	4.15	259.57	-0.15
02/05/19	4.00	263.65	1.10	267.07	3.42	3.50	259.82	4.40	259.32	-0.50
01/09/19	5.00	262.65	1.00	267.17	4.52	3.05	260.27	4.30	259.42	-0.85
12/04/18	5.18	262.47	1.27	266.90	4.43	3.15	260.17	4.18	259.54	-0.63
11/07/18	5.64	262.01	1.70	266.47	4.46	3.96	259.36	4.11	259.61	0.25
10/04/18	5.65	262.00	1.95	266.22	4.22	4.10	259.22	4.25	259.47	0.25
09/06/18	5.90	261.75	1.80	266.37	4.62	4.50	258.82	4.50	259.22	0.40
08/08/18	5.60	262.05	1.70	266.47	4.42	4.10	259.22	4.30	259.42	0.20
07/12/18	5.85	261.80	1.60	266.57	4.77	4.25	259.07	4.40	259.32	0.25
06/06/18	5.46	262.19	0.86	267.31	5.12	3.72	259.60	4.40	259.32	-0.28
05/01/18	5.05	262.60	0.70	267.47	4.87	3.00	260.32	4.10	259.62	-0.70
04/25/18	5.15	262.50	0.85	267.32	4.82	2.80	260.52	4.20	259.52	-1.00
03/08/18	3.89	263.76	1.12	267.05	3.29	2.40	260.92	4.05	259.67	-1.25
02/06/18	6.34	261.31	1.98	266.19	4.88	4.44	258.88	4.50	259.22	0.34
01/17/18	6.45	261.20	2.10	266.07	4.87	4.40	258.92	4.35	259.37	0.45
12/18/17	6.60	261.05	2.50	265.67	4.62	4.45	258.87	5.70	258.02	-0.85
11/07/17	6.25	261.40	2.35	265.82	4.42	4.50	258.82	4.51	259.21	0.39
10/25/17	6.31	261.34	2.27	265.90	4.56	4.60	258.72	4.63	259.09	0.37
09/19/17	5.99	261.66	1.91	266.26	4.60	4.49	258.83	4.42	259.30	0.47
08/10/17	5.45	262.20	1.21	266.96	4.76	4.04	259.28	4.23	259.49	0.21
07/12/17	5.18	262.47	0.09	268.08	5.61	3.65	259.67	4.15	259.57	-0.10
06/14/17	5.03	262.62	0.68	267.49	4.87	3.28	260.04	4.06	259.66	-0.38
05/23/17	4.99	262.66	0.56	267.61	4.95	3.11	260.21	4.07	259.65	-0.56
04/20/17	4.92	262.73	0.58	267.59	4.86	3.03	260.29	4.06	259.66	-0.63
03/21/17	3.18	264.47	3.74	264.43	-0.04	5.60	257.72	4.12	259.60	1.88
02/21/17	3.18	264.47	0.95	267.22	2.75	5.63	257.69	4.08	259.64	1.95
01/11/17	3.82	263.83	1.65	266.52	2.69	5.67	257.65	4.38	259.34	1.69
12/28/16	5.37	262.28	1.89	266.28	4.00	3.23	260.09	4.45	259.27	-0.82
11/21/16	4.42	263.23	2.60	265.57	2.34	5.70	257.62	4.68	259.04	1.42
10/11/16	4.40	263.25	2.71	265.46	2.21	5.70	257.62	4.75	258.97	1.35
09/14/16	6.01	261.64	2.44	265.73	4.09	5.62	257.70	4.70	259.02	1.32
08/03/16	5.52	262.13	2.00	266.17	4.04	4.02	259.30	4.38	259.34	0.04
07/07/16	5.75	261.90	1.54	266.63	4.73	4.25	259.07	4.33	259.39	0.32
06/07/16	5.46	262.19	1.00	267.17	4.98	3.90	259.42	4.24	259.48	0.06
05/03/16	5.88	261.77	0.92	267.25	5.48	3.68	259.64	4.00	259.72	0.08
04/12/16	5.11	262.54	0.95	267.22	4.68	3.85	259.47	4.13	259.59	0.12
03/21/16	5.43	262.22	0.98	267.19	4.97	3.90	259.42	4.15	259.57	0.15
02/05/16	5.93	261.72	1.36	266.81	5.09	3.97	259.35	4.17	259.55	0.20
01/07/16	6.02	261.63	1.85	266.32	4.69	4.27	259.05	4.31	259.41	0.36
12/01/15	6.40	261.25	2.30	265.87	4.62	4.90	258.42	4.69	259.03	0.61
11/02/15	6.00	261.65	2.22	265.95	4.30	4.60	258.72	4.41	259.31	0.59
10/07/15	6.13	261.52	2.45	265.72	4.20	4.43	258.89	4.77	258.95	0.06
09/15/15	6.07	261.58	2.21	265.96	4.38	4.75	258.57	4.35	259.37	0.80
08/04/15	5.83	261.82	1.65	266.52	4.70	4.68	258.64	4.30	259.42	0.78
07/22/15	5.52	262.13	1.47	266.70	4.57	4.28	259.04	4.16	259.56	0.52
06/08/15	5.74	261.91	1.40	266.77	4.86	4.50	258.82	4.07	259.65	0.83
05/05/15	5.28	262.37	1.10	267.07	4.70	4.58	258.74	4.15	259.57	0.83
04/01/15	5.22	262.43	1.35	266.82	4.39	4.95	258.37	4.10	259.62	1.25
03/02/15	5.32	262.33	1.50	266.67	4.34	5.00	258.32	4.25	259.47	1.15
02/10/15	5.40	262.25	1.63	266.54	4.29	5.03	258.29	4.30	259.42	1.13
01/06/15	5.37	262.28	1.61	266.56	4.28	5.01	258.31	4.25	259.47	1.16
12/01/14	6.35	261.30	2.58	265.59	4.29	4.89	258.43	4.72	259.00	0.57
11/04/14	6.38	261.27	2.35	265.82	4.55	5.05	258.27	4.70	259.02	0.75
10/08/14	5.36	262.29	2.22	265.95	3.66	5.06	258.26	4.65	259.07	0.81
09/04/14	5.85	261.80	1.78	266.39	4.59	4.30	259.02	4.50	259.22	0.20
08/04/14	5.72	261.93	1.40	266.77	4.84	4.10	259.22	4.18	259.54	0.32
07/07/14	5.85	261.80	1.22	266.95	5.15	4.02	259.30	4.23	259.49	0.19
06/02/14	5.37	262.28	0.95	267.22	4.94	3.81	259.51	5.16	258.56	-0.95
05/06/14	4.95	262.70	1.00	267.17	4.47	3.43	259.89	4.20	259.52	-0.37
04/02/14	4.29	263.36	1.11	267.06	3.70	2.62	260.70	3.98	259.74	-0.96
03/19/14	5.12	262.53	2.15	266.02	3.49	4.35	258.97	4.63	259.09	0.12
02/04/14	5.05	262.60	2.12	266.05	3.45	4.24	259.08	4.58	259.14	0.06
01/09/14	5.00	262.65	2.08	266.09	3.44	4.22	259.10	4.53	259.19	0.09
12/03/13	5.90	261.75	2.45	265.72	3.97	4.66	258.66	4.50	259.22	0.56
11/06/13	6.16	261.49	2.40	265.77	4.28	4.90	258.42	4.65	259.07	0.65
10/02/13	5.05	262.60	2.25	265.92	3.32	5.00	258.32	4.46	259.26	0.94
09/11/13	5.80	261.85	1.70	266.47	4.62	4.80	258.52	4.42	259.30	0.78
08/07/13	5.30	262.35	1.17	267.00	4.65	4.00	259.32	4.20	259.52	0.20
07/01/13	5.04	262.61	1.05	267.12	4.51	3.28	260.04	4.13	259.59	-0.45
06/10/13	5.60	262.05	1.04	267.13	5.08	3.80	259.52	4.40	259.32	-0.20
05/07/13	5.30	262.35	1.03	267.14	4.79	3.55	259.77	4.20	259.52	-0.25
04/01/13	5.32	262.33	1.25	266.92	4.59	3.30	260.02	4.27	259.45	-0.57
03/03/13	6.37	261.28	2.02	266.15	4.87	4.47	258.85	4.63	259.09	0.24
02/05/13	6.35	261.30	2.00	266.17	4.87	4.50	258.82	4.58	259.14	0.32
01/09/13	6.45	261.20	2.28	265.89	4.69	4.55	258.77	4.66	259.06	0.29

Notes:
Delta = Water Elevation Difference between Outside and Inside Well
Positive Delta = Water Elevation in Outside Well Greater than Inside Well
LTMP = Inside Wells
LTMW = Outside Wells
TOC = Top of Casing Elevation
EL = Elevation
DTW = Depth to Water
NR = Not Recorded

Table 5

Groundwater Elevation Data

	LTMP-01		LTMP-02		LTMP-06		LTMP-11		LTMP-6A		LTMP-14A		LTMP-15A	
	TOC =	271.75	TOC =	272.19	TOC =	265.09	TOC =	265.54	TOC =	264.54	TOC =	267.86	TOC =	263.57
Date	DTW	Water EL	DTW	Water EL	DTW	Water EL	DTW	Water EL	DTW	Water EL	DTW	Water EL	DTW	Water EL
12/03/25	8.81	262.94	9.73	262.46	3.90	261.19	3.11	262.43	6.38	258.16	3.65	264.21	5.54	258.03
11/05/25	8.79	262.96	9.70	262.49	3.66	261.43	3.12	262.42	6.42	258.12	3.65	264.21	5.54	258.03
10/01/25	8.87	262.88	9.87	262.32	4.10	260.99	2.88	262.66	6.45	258.09	3.65	264.21	5.54	258.03
09/03/25	8.82	262.93	9.84	262.35	4.40	260.69	2.76	262.78	6.48	258.06	3.41	264.45	5.53	258.04
08/09/25	8.64	263.11	9.56	262.63	3.90	261.19	2.79	262.75	6.47	258.07	3.13	264.73	5.49	258.08
07/02/25	8.33	263.42	9.36	262.83	3.45	261.64	2.71	262.83	6.29	258.25	2.76	265.10	5.46	258.11
06/11/25	8.00	263.75	9.42	262.77	2.30	262.79	2.71	262.83	6.31	258.23	2.69	265.17	5.48	258.09
05/07/25	7.96	263.79	8.96	263.23	0.87	264.22	2.25	263.29	6.24	258.30	2.73	265.13	5.49	258.08
04/03/25	9.32	262.43	9.69	262.50	2.42	262.67	2.98	262.56	6.26	258.28	3.08	264.78	5.54	258.03
03/05/25	9.04	262.71	9.93	262.26	3.04	262.05	2.39	263.15	6.26	258.28	3.47	264.39	5.55	258.02
02/05/25	9.13	262.62	10.17	262.02	4.45	260.64	3.16	262.38	6.23	258.31	3.67	264.19	5.57	258.00
01/08/25	8.65	263.10	9.40	262.79	3.13	261.96	3.06	262.48	6.25	258.29	3.76	264.10	5.58	257.99

Table 5

Groundwater Elevation Data

	LTMW-01		LTMW-6A		MW-EPA-01R		MW-EPA-03R		DW-1		DW-2		DW-3	
	TOC =	273.44	TOC =	265.41	TOC =	NSD	TOC =	NSD	TOC =	266.78	TOC =	266.39	TOC =	266.60
Date	DTW	Water EL	DTW	Water EL	DTW	Water EL	DTW	Water EL	DTW	Water EL	DTW	Water EL	DTW	Water EL
12/03/25	5.73	267.71	6.38	259.03	4.20	-	4.19	-	5.07	261.71	2.64	263.75	4.83	261.77
11/05/25	5.93	267.51	5.36	260.05	3.85	-	4.29	-	4.94	261.84	3.11	263.28	4.72	261.88
10/01/25	5.99	267.45	5.59	259.82	4.09	-	4.32	-	5.15	261.63	3.63	262.76	4.89	261.71
09/03/25	6.00	267.44	5.49	259.92	4.54	-	4.47	-	5.16	261.62	4.16	262.23	4.93	261.67
08/09/25	5.93	267.51	5.58	259.83	4.39	-	4.31	-	4.94	261.84	3.73	262.66	4.70	261.90
07/02/25	5.62	267.82	6.29	259.12	4.19	-	4.31	-	4.74	262.04	3.45	262.94	4.53	262.07
06/11/25	5.37	268.07	5.55	259.86	3.36	-	4.05	-	4.42	262.36	1.20	265.19	4.24	262.36
05/07/25	5.39	268.05	5.51	259.90	1.04	-	3.96	-	4.19	262.59	0.77	265.62	4.02	262.58
04/03/25	5.55	267.89	5.31	260.10	3.46	-	4.16	-	4.92	261.86	1.88	264.51	4.65	261.95
03/05/25	5.83	267.61	5.60	259.81	4.27	-	4.42	-	5.31	261.47	1.20	265.19	5.34	261.26
02/05/25	5.02	268.42	5.70	259.71	4.54	-	4.33	-	5.11	261.67	4.29	262.10	5.38	261.22
01/08/25	5.59	267.85	5.64	259.77	4.01	-	4.20	-	4.99	261.79	3.51	262.88	5.01	261.59

Table 5

Groundwater Elevation Data

	DW-4		DW-5		DW-6		DW-7		LTMW-06		LTMW-07		LTMW-08	
	TOC =	263.92	TOC =	263.09	TOC =	263.29	TOC =	264.97	TOC =	262.75	TOC =	263.12	TOC =	262.79
Date	DTW	Water EL	DTW	Water EL	DTW	Water EL	DTW	Water EL	DTW	Water EL	DTW	Water EL	DTW	Water EL
12/03/25	4.51	259.41	4.27	258.82	4.21	259.08	4.35	260.62	-	-	-	-	-	-
11/05/25	4.17	259.75	3.98	259.11	3.91	259.38	4.28	260.69	-	-	-	-	-	-
10/01/25	4.40	259.52	4.04	259.05	4.02	259.27	4.47	260.50	6.35	256.40	9.09	254.03	10.01	252.78
09/03/25	4.54	259.38	4.32	258.77	4.21	259.08	4.48	260.49	-	-	-	-	-	-
08/09/25	4.25	259.67	3.85	259.24	3.89	259.40	4.08	260.89	-	-	-	-	-	-
07/02/25	3.72	260.20	3.18	259.91	3.57	259.72	3.43	261.54	-	-	-	-	-	-
06/11/25	3.27	260.65	2.88	260.21	2.90	260.39	2.86	262.11	-	-	-	-	-	-
05/07/25	2.19	261.73	1.59	261.50	2.08	261.21	2.29	262.68	-	-	-	-	-	-
04/03/25	3.53	260.39	2.82	260.27	3.42	259.87	3.12	261.85	5.57	257.18	5.58	257.54	9.37	253.42
03/05/25	3.97	259.95	3.23	259.86	3.82	259.47	4.41	260.56	-	-	-	-	-	-
02/05/25	4.72	259.20	4.29	258.80	4.40	258.89	4.69	260.28	-	-	-	-	-	-
01/08/25	3.80	260.12	3.33	259.76	3.32	259.97	3.52	261.45	-	-	-	-	-	-

Notes:

LTMP = Inside Wells
LTMW = Outside Wells
TOC = Top of Casing Elevation
EL = Elevation
DTW = Depth to Water
NSD = No Survey Data
- = Data Not Available

Table 6

Analytical Data Summary
LTMW-01

Parameter	NYSDEC AWQS (µg/L)	All Sampling Quarters in 2010-2016	January 2017	April 2017	July 2017	October 2017	All Sampling Quarters in 2018	January 2019	April 2019	July 2019	October 2019	All Sampling Quarters in 2020	January 2021	April 2021	July 2021	October 2021	January 2022	April 2022	July 2022	October 2022	January 2023	April 2023	July 2023	October 2023	All Sampling Quarters in 2024	January 2025	April 2025	July 2025	October 2025
Benzene	**1**	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Toluene	**5**	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Ethylbenzene	**5**	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Xylene (total)	**5**	ND (<4.7)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<1.0)	ND (<3.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)
Acenaphthene	**20**	ND (<5.0)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.11)	ND (<0.10)	ND (<0.10)	ND (<0.11)	ND (<0.11)	ND (<0.11)	ND (<0.099)	ND (<0.098)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.095)	ND (<0.098)	ND (<0.10)	ND (<0.083)	ND (<0.11)	ND(<0.27)	ND(<0.097)	ND(<5.0)	ND(<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Acenaphthylene	**NA**	ND (<5.0)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.11)	ND (<0.10)	ND (<0.10)	ND (<0.11)	ND (<0.11)	ND (<0.11)	ND (<0.099)	ND (<0.098)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.095)	ND (<0.098)	ND (<0.10)	ND (<0.083)	ND (<0.11)	ND(<0.18)	ND(<0.097)	ND(<5.0)	ND(<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Anthracene	**NA**	ND (<5.0)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.11)	ND (<0.10)	ND (<0.10)	ND (<0.11)	ND (<0.11)	ND (<0.11)	0.15	ND (<0.098)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.095)	ND (<0.098)	ND (<0.10)	0.10	ND (<0.11)	ND(<0.18)	ND(<0.097)	ND(<5.0)	ND(<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Benzo(a)anthracene	**0.002**	ND (<5.0)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.11)	ND (<0.10)	ND (<0.10)	ND (<0.11)	ND (<0.11)	ND (<0.11)	**0.11**	ND (<0.098)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.095)	ND (<0.098)	ND (<0.10)	ND (<0.083)	ND (<0.11)	ND(<0.045)	ND(<0.097)	ND(<5.0)	ND(<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Benzo(a)pyrene	**ND**	ND (<5.0)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.11)	ND (<0.10)	ND (<0.10)	ND (<0.11)	ND (<0.11)	ND (<0.11)	0.16	ND (<0.098)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.095)	ND(<0.098)	ND (<0.10)	ND (<0.083)	ND (<0.11)	ND(<0.091)	ND(<0.097)	ND(<5.0)	ND(<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Benzo(b)fluoranthene	**0.002**	ND (<5.0)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.11)	ND (<0.10)	ND (<0.10)	ND (<0.11)	ND (<0.11)	ND (<0.11)	**0.18**	ND (<0.098)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.095)	**0.17**	ND (<0.10)	**0.093**	ND (<0.11)	ND(<0.045)	**0.11**	ND(<5.0)	ND(<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Benzo(g,h,i)perylene	**NA**	ND (<5.0)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.11)	ND (<0.10)	ND (<0.10)	ND (<0.11)	ND (<0.11)	ND (<0.11)	0.11	ND (<0.098)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.095)	ND(<0.098)	ND (<0.10)	ND (<0.083)	ND (<0.11)	ND(<0.45)	ND(<0.097)	ND(<5.0)	ND(<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Benzo(k)fluoranthene	**0.002**	ND (<5.0)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.11)	ND (<0.10)	ND (<0.10)	ND (<0.11)	ND (<0.11)	ND (<0.11)	**0.16**	ND (<0.098)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.095)	**0.15**	ND (<0.10)	ND (<0.083)	ND (<0.11)	ND(<0.18)	ND(<0.097)	ND(<5.0)	ND(<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Chrysene	**0.002**	ND (<5.0)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.11)	ND (<0.10)	ND (<0.10)	ND (<0.11)	ND (<0.11)	ND (<0.11)	**0.12**	ND (<0.098)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.095)	**0.11**	ND (<0.10)	ND (<0.083)	ND (<0.11)	ND(<0.18)	ND(<0.097)	ND(<5.0)	ND(<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Dibenzo(a,h)anthracene	**NA**	ND (<5.0)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.11)	ND (<0.10)	ND (<0.10)	ND (<0.11)	ND (<0.11)	ND (<0.11)	ND (<0.099)	ND (<0.098)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.095)	ND(<0.098)	ND (<0.10)	ND (<0.083)	ND (<0.11)	ND(<0.091)	ND(<0.097)	ND(<5.0)	ND(<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Fluoranthene	**50**	ND (<5.0)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.11)	ND (<0.10)	ND (<0.10)	ND (<0.11)	ND (<0.11)	ND (<0.11)	0.11	ND (<0.098)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.095)	0.21	ND (<0.10)	ND (<0.083)	ND (<0.11)	ND(<0.45)	ND(<0.097)	ND(<5.0)	ND(<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Fluorene	**50**	ND (<5.0)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.11)	ND (<0.10)	ND (<0.10)	ND (<0.11)	ND (<0.11)	ND (<0.11)	ND (<0.099)	ND (<0.098)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.095)	ND (<0.098)	ND (<0.10)	ND (<0.083)	ND (<0.11)	ND(<0.91)	ND(<0.097)	ND(<5.0)	ND(<5.0)	ND (<0.050)	0.014 J	ND (<0.050)
Indeno(1,2,3-cd)pyrene	**0.002**	ND (<5.0)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.11)	ND (<0.10)	ND (<0.10)	ND (<0.11)	ND (<0.11)	ND (<0.11)	ND (<0.099)	ND (<0.098)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.095)	ND (<0.098)	ND (<0.10)	ND (<0.083)	ND (<0.11)	ND(<0.091)	ND(<0.097)	ND(<5.0)	ND(<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
2-Methylnaphthalene	**50**	ND (<5.0)	ND (<0.10)	ND (<0.10)	0.32	ND (<0.10)	ND (<0.11)	0.14	ND (<0.10)	ND (<0.11)	ND (<0.11)	ND (<0.11)	ND (<0.099)	ND (<0.098)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.095)	ND (<0.098)	ND (<0.10)	ND (<0.083)	ND (<0.11)	ND(<0.91)	ND(<0.097)	NA	NA	NA	NA	NA
Naphthalene	**10**	ND (<5.0)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.11)	0.16	ND (<0.10)	ND (<0.11)	ND (<0.11)	ND (<0.11)	ND (<0.099)	ND (<0.098)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.095)	ND (<0.098)	ND (<0.10)	ND (<0.083)	ND (<0.11)	ND(<0.91)	ND(<0.097)	ND(<5.0)	ND(<5.0)	ND(<0.20)	ND(<0.20)	ND(<0.20)
Phenanthrene	**50**	ND (<5.0)	ND (<0.10)	ND (<0.10)	0.11	ND (<0.10)	ND (<0.11)	0.10	ND (<0.10)	ND (<0.11)	ND (<0.11)	ND (<0.11)	ND (<0.099)	ND (<0.098)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.095)	ND (<0.098)	ND (<0.10)	ND (<0.083)	ND (<0.11)	ND(<0.045)	ND(<0.097)	ND(<5.0)	ND(<5.0)	ND (<0.050)	0.034 J	ND (<0.050)
Pyrene	**50**	ND (<5.0)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.11)	ND (<0.10)	ND (<0.10)	ND (<0.11)	ND (<0.11)	ND (<0.11)	0.18	ND (<0.098)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.095)	0.17	ND (<0.10)	0.095	ND(<0.11)	ND(<0.91)	ND(<0.097)	ND(<5.0)	ND(<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)

NYSDEC = New York State Department of Environmental Conservation
AWQS = Ambient Water Quality Standards
ND (<#) = Not Detected (# is laboratory reporting limit)
µg/L = Micrograms per Liter
Bolded = values indicate exceedance of the NYSDEC AWQS
NA = Not Analyzed For.
J = Estimated Value.

Table 6

Analytical Data Summary
LTMW-02

Parameter	NYSDEC AWQS (µg/L)	All Sampling Quarters in 2010-2019	January 2020	June 2020	July 2020	October 2020	All Sampling Quarters in 2021	All Sampling Quarters in 2022	All Sampling Quarters in 2023	All Sampling Quarters in 2024	January 2025	April 2025	July 2025	October 2025
Benzene	**1**	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Toluene	**5**	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Ethylbenzene	**5**	ND (<2.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Xylene (total)	**5**	ND (<4.7)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)
Acenaphthene	**20**	ND (<4.9)	ND (<0.099)	ND (<0.11)	ND (<0.11)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.11)	ND (<5.0)	ND (<5.0)	0.024 J	ND (<0.050)	ND (<0.050)
Acenaphthylene	**NA**	ND (<4.9)	ND (<0.099)	ND (<0.11)	ND (<0.11)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.11)	ND (<5.0)	ND (<5.0)	0.024 J	ND (<0.050)	ND (<0.050)
Anthracene	**NA**	ND (<4.9)	ND (<0.099)	ND (<0.11)	ND (<0.11)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.11)	ND (<5.0)	ND (<5.0)	0.043 J	ND (<0.050)	ND (<0.050)
Benzo(a)anthracene	**0.002**	ND (<4.9)	ND (<0.099)	ND (<0.11)	ND (<0.11)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.11)	ND (<5.0)	ND (<5.0)	**0.074**	ND (<0.050)	ND (<0.050)
Benzo(a)pyrene	**ND**	ND (<4.9)	ND (<0.099)	ND (<0.11)	ND (<0.11)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.11)	ND (<5.0)	ND (<5.0)	0.065	ND (<0.050)	ND (<0.050)
Benzo(b)fluoranthene	**0.002**	ND (<4.9)	ND (<0.099)	**0.12**	ND (<0.11)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.11)	ND (<5.0)	ND (<5.0)	**0.060**	ND (<0.050)	ND (<0.050)
Benzo(g,h,i)perylene	**NA**	ND (<4.9)	ND (<0.099)	ND (<0.11)	ND (<0.11)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.11)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Benzo(k)fluoranthene	**0.002**	ND (<4.9)	ND (<0.099)	ND (<0.11)	ND (<0.11)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.11)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Chrysene	**0.002**	ND (<4.9)	ND (<0.099)	ND (<0.11)	ND (<0.11)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.11)	ND (<5.0)	ND (<5.0)	**0.080**	ND (<0.050)	ND (<0.050)
Dibenzo(a,h)anthracene	**NA**	ND (<4.9)	ND (<0.099)	ND (<0.11)	ND (<0.11)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.11)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Fluoranthene	**50**	ND (<4.9)	ND (<0.099)	ND (<0.11)	ND (<0.11)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.11)	ND (<5.0)	ND (<5.0)	0.14	ND (<0.050)	ND (<0.050)
Fluorene	**50**	ND (<4.9)	ND (<0.099)	ND (<0.11)	ND (<0.11)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.11)	ND (<5.0)	ND (<5.0)	0.021 J	ND (<0.050)	ND (<0.050)
Indeno(1,2,3-cd)pyrene	**0.002**	ND (<4.9)	ND (<0.099)	ND (<0.11)	ND (<0.11)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.11)	ND (<5.0)	ND (<5.0)	0.037 J	ND (<0.050)	ND (<0.050)
2-Methylnaphthalene	**50**	ND (<4.9)	ND (<0.099)	ND (<0.11)	ND (<0.11)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.11)	NA	NA	NA	NA	NA
Naphthalene	**10**	ND (<4.9)	ND (<0.099)	ND (<0.11)	ND (<0.11)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.11)	ND (<5.0)	ND (<5.0)	0.20	ND (<0.050)	ND (<0.050)
Phenanthrene	**50**	ND (<4.9)	ND (<0.099)	ND (<0.11)	ND (<0.11)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.11)	ND (<5.0)	ND (<5.0)	0.18	ND (<0.050)	ND (<0.050)
Pyrene	**50**	ND (<4.9)	ND (<0.099)	ND (<0.11)	ND (<0.11)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.11)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)

NYSDEC = New York State Department of Environmental Conservation
AWQS = Ambient Water Quality Standards
ND (<#) = Not Detected (# is laboratory reporting limit)
µg/L = Micrograms per Liter
Bolded = values indicate exceedance of the NYSDEC AWQS
NA = Not Analyzed For.
J = Estimated Value.

Table 6

Analytical Data Summary
LTMW-03

Parameter	NYSDEC AWQS (µg/L)	All Sampling Quarters in 2010-2018	January 2019	April 2019	July 2019	October 2019	All Sampling Quarters in 2020	January 2021	April 2021	July 2021	October 2021	January 2022	April 2022	July 2022	October 2022	All Sampling Quarters in 2023	January 2024	April 2024	July 2024	October 2024	January 2025	April 2025	July 2025	October 2025
Benzene	**1**	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Toluene	**5**	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Ethylbenzene	**5**	ND (<2.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Xylene (total)	**5**	ND (<4.7)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)
Acenaphthene	**20**	ND (<4.8)	ND (<0.10)	ND (<0.10)	ND (<0.098)	ND (<0.099)	ND (<0.11)	ND (<0.096)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.098)	ND (<0.099)	ND (<0.10)	0.11	ND (<0.11)	ND (<5.0)	ND (<5.0)	ND (<5.0)	1.7 J	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Acenaphthylene	**NA**	ND (<4.8)	ND (<0.10)	ND (<0.10)	ND (<0.098)	ND (<0.099)	ND (<0.11)	ND (<0.096)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.098)	ND (<0.099)	ND (<0.10)	ND (<0.10)	ND (<0.11)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Anthracene	**NA**	ND (<4.8)	ND (<0.10)	ND (<0.10)	ND (<0.098)	ND (<0.099)	ND (<0.11)	ND (<0.096)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.098)	ND (<0.099)	ND (<0.10)	ND (<0.10)	ND (<0.11)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Benzo(a)anthracene	**0.002**	ND (<4.8)	ND (<0.10)	ND (<0.10)	ND (<0.098)	ND (<0.099)	ND (<0.11)	ND (<0.096)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.098)	ND (<0.099)	ND (<0.10)	ND (<0.10)	ND (<0.11)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Benzo(a)pyrene	**ND**	ND (<4.8)	ND (<0.10)	ND (<0.10)	ND (<0.098)	ND (<0.099)	ND (<0.11)	ND (<0.096)	**0.11**	ND (<0.10)	ND (<0.099)	ND (<0.098)	ND (<0.099)	ND (<0.10)	ND (<0.10)	ND (<0.11)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Benzo(b)fluoranthene	**0.002**	ND (<4.8)	ND (<0.10)	ND (<0.10)	ND (<0.098)	ND (<0.099)	ND (<0.11)	ND (<0.096)	**0.18**	ND (<0.10)	ND (<0.099)	ND (<0.098)	ND (<0.099)	ND (<0.10)	ND (<0.10)	ND (<0.11)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Benzo(g,h,i)perylene	**NA**	ND (<4.8)	ND (<0.10)	ND (<0.10)	ND (<0.098)	ND (<0.099)	ND (<0.11)	ND (<0.096)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.098)	ND (<0.099)	ND (<0.10)	ND (<0.10)	ND (<0.11)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Benzo(k)fluoranthene	**0.002**	ND (<4.8)	ND (<0.10)	ND (<0.10)	ND (<0.098)	ND (<0.099)	ND (<0.11)	ND (<0.096)	**0.18**	ND (<0.10)	ND (<0.099)	ND (<0.098)	ND (<0.099)	ND (<0.10)	ND (<0.10)	ND (<0.11)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Chrysene	**0.002**	ND (<4.8)	ND (<0.10)	ND (<0.10)	ND (<0.098)	ND (<0.099)	ND (<0.11)	ND (<0.096)	**0.099**	ND (<0.10)	ND (<0.099)	ND (<0.098)	ND (<0.099)	ND (<0.10)	ND (<0.10)	ND (<0.11)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Dibenzo(a,h)anthracene	**NA**	ND (<4.8)	ND (<0.10)	ND (<0.10)	ND (<0.098)	ND (<0.099)	ND (<0.11)	ND (<0.096)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.098)	ND (<0.099)	ND (<0.10)	ND (<0.10)	ND (<0.11)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Fluoranthene	**50**	ND (<4.8)	ND (<0.10)	ND (<0.10)	ND (<0.098)	ND (<0.099)	ND (<0.11)	ND (<0.096)	0.15	ND (<0.10)	ND (<0.099)	ND (<0.098)	ND (<0.099)	ND (<0.10)	0.19	ND (<0.11)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Fluorene	**50**	ND (<4.8)	ND (<0.10)	ND (<0.10)	ND (<0.098)	ND (<0.099)	ND (<0.11)	ND (<0.096)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.098)	ND (<0.099)	ND (<0.10)	0.20	ND (<0.11)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	0.012 J	ND (<0.050)	ND (<0.050)
Indeno(1,2,3-cd)pyrene	**0.002**	ND (<4.8)	ND (<0.10)	ND (<0.10)	ND (<0.098)	ND (<0.099)	ND (<0.11)	ND (<0.096)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.098)	ND (<0.099)	ND (<0.10)	ND (<0.10)	ND (<0.11)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
2-Methylnaphthalene	**50**	ND (<4.8)	ND (<0.10)	ND (<0.10)	ND (<0.098)	ND (<0.099)	ND (<0.11)	ND (<0.096)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.098)	ND (<0.099)	ND (<0.10)	ND (<0.10)	ND (<0.11)	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	**10**	ND (<4.8)	ND (<0.10)	ND (<0.10)	ND (<0.098)	0.12	ND (<0.11)	ND (<0.096)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.098)	ND (<0.099)	ND (<0.10)	ND (<0.10)	ND (<0.11)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	0.054	ND (<0.050)	ND (<0.050)
Phenanthrene	**50**	ND (<4.8)	ND (<0.10)	ND (<0.10)	ND (<0.098)	ND (<0.099)	ND (<0.11)	ND (<0.096)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.098)	ND (<0.099)	ND (<0.10)	0.90	ND (<0.11)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Pyrene	**50**	ND (<4.8)	ND (<0.10)	ND (<0.10)	ND (<0.098)	ND (<0.099)	ND (<0.11)	ND (<0.096)	0.14	ND (<0.10)	ND (<0.099)	ND (<0.098)	ND (<0.099)	ND (<0.10)	ND (<0.10)	ND (<0.11)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)

NYSDEC = New York State Department of Environmental Conservation
AWQS = Ambient Water Quality Standards
ND (<#) = Not Detected (# is laboratory reporting limit)
µg/L = Micrograms per Liter
Bolded = values indicate exceedance of the NYSDEC AWQS
NA = Not Analyzed For.
J = Estimated Value.

Table 6

Analytical Data Summary
LTMW-04

Parameter	NYSDEC AWQS (µg/L)	All Sampling Quarters in 2010-2017	January 2018	April 2018	July 2018	October 2018	All Sampling Quarters in 2019	All Sampling Quarters in 2020	All Sampling Quarters in 2021	January 2022	April 2022	July 2022	October 2022	January 2023	April 2023	July 2023	October 2023	All Sampling Quarters in 2024	January 2025	April 2025	July 2025	October 2025
Benzene	**1**	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Toluene	**5**	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Ethylbenzene	**5**	ND (<2.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Xylene (total)	**5**	ND (<4.7)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<1.0)	ND (<3.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)
Acenaphthene	**20**	ND (<5.2)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.12)	ND (<0.11)	ND (<0.11)	ND (<0.10)	ND (<0.097)	ND (<0.11)	ND (<0.10)	ND (<0.078)	ND (<0.099)	ND(<0.27)	ND (<0.10)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Acenaphthylene	**NA**	ND (<5.2)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.12)	ND (<0.11)	ND (<0.11)	ND (<0.10)	ND (<0.097)	ND (<0.11)	ND (<0.10)	ND (<0.078)	ND (<0.099)	ND(<0.18)	ND (<0.10)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Anthracene	**NA**	ND (<5.2)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.12)	ND (<0.11)	ND (<0.11)	ND (<0.10)	ND (<0.097)	ND (<0.11)	ND (<0.10)	ND (<0.078)	ND (<0.099)	ND(<0.18)	ND (<0.10)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Benzo(a)anthracene	**0.002**	ND (<5.2)	ND (<0.10)	**0.21**	ND (<0.10)	ND (<0.10)	ND (<0.12)	ND (<0.11)	ND (<0.11)	ND (<0.10)	ND (<0.097)	ND (<0.11)	ND (<0.10)	ND (<0.078)	ND (<0.099)	ND(<0.045)	ND (<0.10)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Benzo(a)pyrene	**ND**	ND (<5.2)	ND (<0.10)	**0.25**	ND (<0.10)	ND (<0.10)	ND (<0.12)	ND (<0.11)	ND (<0.11)	ND (<0.10)	ND (<0.097)	ND (<0.11)	ND (<0.10)	ND (<0.078)	ND (<0.099)	ND(<0.089)	ND (<0.10)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Benzo(b)fluoranthene	**0.002**	ND (<5.2)	ND (<0.10)	**0.40**	ND (<0.10)	ND (<0.10)	ND (<0.12)	ND (<0.11)	ND (<0.11)	ND (<0.10)	**0.13**	ND (<0.11)	ND (<0.10)	ND (<0.078)	ND (<0.099)	ND(<0.045)	**0.15**	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Benzo(g,h,i)perylene	**NA**	ND (<5.2)	ND (<0.10)	0.18	ND (<0.10)	ND (<0.10)	ND (<0.12)	ND (<0.11)	ND (<0.11)	ND (<0.10)	ND (<0.097)	ND (<0.11)	ND (<0.10)	ND (<0.078)	ND (<0.099)	ND(<0.45)	ND (<0.10)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Benzo(k)fluoranthene	**0.002**	ND (<5.2)	ND (<0.10)	**0.16**	ND (<0.10)	ND (<0.10)	ND (<0.12)	ND (<0.11)	ND (<0.11)	ND (<0.10)	**0.12**	ND (<0.11)	ND (<0.10)	ND (<0.078)	ND (<0.099)	ND(<0.18)	**0.13**	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Chrysene	**0.002**	ND (<5.2)	ND (<0.10)	**0.27**	ND (<0.10)	ND (<0.10)	ND (<0.12)	ND (<0.11)	ND (<0.11)	ND (<0.10)	ND (<0.097)	ND (<0.11)	ND (<0.10)	ND (<0.078)	ND (<0.099)	ND(<0.18)	ND (<0.10)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Dibenzo(a,h)anthracene	**NA**	ND (<5.2)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.12)	ND (<0.11)	ND (<0.11)	ND (<0.10)	ND (<0.097)	ND (<0.11)	ND (<0.10)	ND (<0.078)	ND (<0.099)	ND(<0.089)	ND (<0.10)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Fluoranthene	**50**	ND (<5.2)	ND (<0.10)	0.52	ND (<0.10)	ND (<0.10)	ND (<0.12)	ND (<0.11)	ND (<0.11)	ND (<0.10)	0.13	ND (<0.11)	ND (<0.10)	ND (<0.078)	ND (<0.099)	ND(<0.45)	0.11	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Fluorene	**50**	ND (<5.2)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.12)	ND (<0.11)	ND (<0.11)	ND (<0.10)	ND (<0.097)	ND (<0.11)	ND (<0.10)	ND (<0.078)	ND (<0.099)	ND(<0.89)	ND (<0.10)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Indeno(1,2,3-cd)pyrene	**0.002**	ND (<5.2)	ND (<0.10)	**0.15**	ND (<0.10)	ND (<0.10)	ND (<0.12)	ND (<0.11)	ND (<0.11)	ND (<0.10)	ND (<0.097)	ND (<0.11)	ND (<0.10)	ND (<0.078)	ND (<0.099)	ND(<0.089)	ND (<0.10)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
2-Methylnaphthalene	**50**	ND (<5.2)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.12)	ND (<0.11)	ND (<0.11)	ND (<0.10)	ND (<0.097)	ND (<0.11)	ND (<0.10)	ND (<0.078)	ND (<0.099)	ND(<0.89)	ND (<0.10)	NA	NA	NA	NA	NA
Naphthalene	**10**	ND (<5.2)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.12)	ND (<0.11)	ND (<0.11)	ND (<0.10)	ND (<0.097)	ND (<0.11)	ND (<0.10)	ND (<0.078)	ND (<0.099)	ND(<0.89)	ND (<0.10)	ND (<5.0)	ND (<5.0)	ND(<0.20)	ND(<0.20)	ND(<0.20)
Phenanthrene	**50**	ND (<5.2)	ND (<0.10)	0.21	ND (<0.10)	ND (<0.10)	ND (<0.12)	ND (<0.11)	ND (<0.11)	ND (<0.10)	ND (<0.097)	ND (<0.11)	ND (<0.10)	ND (<0.078)	ND (<0.099)	ND(<0.045)	ND (<0.10)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Pyrene	**50**	ND (<5.2)	ND (<0.10)	0.50	ND (<0.10)	ND (<0.10)	ND (<0.12)	ND (<0.11)	ND (<0.11)	ND (<0.10)	0.11	ND (<0.11)	ND (<0.10)	ND (<0.078)	ND (<0.099)	ND(<0.89)	0.10	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)

NYSDEC = New York State Department of Environmental Conservation
AWQS = Ambient Water Quality Standards
ND (<#) = Not Detected (# is laboratory reporting limit)
µg/L = Micrograms per Liter
Bolded = values indicate exceedance of the NYSDEC AWQS
NA = Not Analyzed For.
J = Estimated Value.

Table 6

Analytical Data Summary
LTMW-05

Parameter	NYSDEC AWQS (µg/L)	All Sampling Quarters in 2010-2016	January 2017	April 2017	July 2017	October 2017	January 2018	April 2018	July 2018	October 2018	All Sampling Quarters in 2019	All Sampling Quarters in 2020	All Sampling Quarters in 2021	January 2022	April 2022	July 2022	October 2022	January 2023	April 2023	July 2023	October 2023	All Sampling Quarters in 2024	January 2025	April 2025	July 2025	October 2025
Benzene	**1**	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Toluene	**5**	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Ethylbenzene	**5**	ND (<2.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Xylene (total)	**5**	ND (<4.7)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<1.0)	ND (<3.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)
Acenaphthene	**20**	ND (<5.0)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.10)	ND (<0.095)	ND (<0.10)	ND (<0.11)	ND (<0.080)	ND (<0.11)	ND(<0.29)	ND(<0.095)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Acenaphthylene	**NA**	ND (<5.0)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.10)	ND (<0.095)	ND (<0.10)	ND (<0.11)	ND (<0.080)	ND (<0.11)	ND(<0.19)	ND(<0.095)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Anthracene	**NA**	ND (<5.0)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.10)	ND (<0.095)	ND (<0.10)	ND (<0.11)	ND (<0.080)	ND (<0.11)	ND(<0.19)	ND(<0.095)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Benzo(a)anthracene	**0.002**	ND (<5.0)	**0.10**	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.10)	ND (<0.095)	ND (<0.10)	ND (<0.11)	ND (<0.080)	**0.23**	**0.053**	ND(<0.095)	ND (<5.0)	ND (<5.0)	0.019 J	ND (<0.050)	ND (<0.050)
Benzo(a)pyrene	**ND**	ND (<5.0)	**0.13**	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.10)	ND (<0.095)	ND (<0.10)	ND (<0.11)	ND (<0.080)	**0.35**	ND(<0.095)	ND(<0.095)	ND (<5.0)	ND (<5.0)	0.029 J	ND (<0.050)	ND (<0.050)
Benzo(b)fluoranthene	**0.002**	ND (<5.0)	**0.26**	ND (<0.10)	ND (<0.10)	ND (<0.10)	**0.13**	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.10)	ND (<0.095)	ND (<0.10)	ND (<0.11)	ND (<0.080)	**0.88**	**0.14**	**0.12**	ND (<5.0)	ND (<5.0)	**0.053**	ND (<0.050)	ND (<0.050)
Benzo(g,h,i)perylene	**NA**	ND (<5.0)	0.14	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.10)	ND (<0.095)	ND (<0.10)	ND (<0.11)	ND (<0.080)	0.36	ND(<0.48)	ND(<0.095)	ND (<5.0)	ND (<5.0)	0.037 J	ND (<0.050)	ND (<0.050)
Benzo(k)fluoranthene	**0.002**	ND (<5.0)	**0.23**	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.10)	ND (<0.095)	ND (<0.10)	ND (<0.11)	ND (<0.080)	**0.77**	ND(<0.19)	**0.10**	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Chrysene	**0.002**	ND (<5.0)	**0.13**	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.10)	ND (<0.095)	ND (<0.10)	ND (<0.11)	ND (<0.080)	**0.43**	ND(<0.19)	ND(<0.095)	ND (<5.0)	ND (<5.0)	0.034 J	ND (<0.050)	ND (<0.050)
Dibenzo(a,h)anthracene	**NA**	ND (<5.0)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.10)	ND (<0.095)	ND (<0.10)	ND (<0.11)	ND (<0.080)	ND(<0.11)	ND(<0.095)	ND(<0.095)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Fluoranthene	**50**	ND (<5.0)	0.18	ND (<0.10)	ND (<0.10)	ND (<0.10)	0.13	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.10)	0.12	ND (<0.10)	ND (<0.11)	ND (<0.080)	0.61	ND(<0.48)	0.15	ND (<5.0)	ND (<5.0)	0.043 J	ND (<0.050)	ND (<0.050)
Fluorene	**50**	ND (<5.0)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.10)	ND (<0.095)	ND (<0.10)	ND (<0.11)	ND (<0.080)	ND(<0.11)	ND(<0.95)	ND(<0.095)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Indeno(1,2,3-cd)pyrene	**0.002**	ND (<5.0)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.10)	ND (<0.095)	ND (<0.10)	ND (<0.11)	ND (<0.080)	**0.33**	**0.13**	ND(<0.095)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
2-Methylnaphthalene	**50**	ND (<5.0)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.10)	ND (<0.095)	ND (<0.10)	ND (<0.11)	ND (<0.080)	ND(<0.11)	ND(<0.95)	ND(<0.095)	NA	NA	NA	NA	NA
Naphthalene	**10**	ND (<5.0)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.10)	ND (<0.095)	ND (<0.10)	ND (<0.11)	ND (<0.080)	ND(<0.11)	ND(<0.95)	ND(<0.095)	ND (<5.0)	ND (<5.0)	ND(<0.20)	ND(<0.20)	ND(<0.20)
Phenanthrene	**50**	ND (<5.0)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.10)	ND (<0.095)	ND (<0.10)	ND (<0.11)	ND (<0.080)	0.14	0.049	ND(<0.095)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Pyrene	**50**	ND (<5.0)	0.21	ND (<0.10)	ND (<0.10)	ND (<0.10)	0.11	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.10)	ND (<0.095)	ND (<0.10)	ND (<0.11)	ND (<0.080)	0.55	ND(<0.95)	0.12	ND (<5.0)	ND (<5.0)	0.038 J	ND (<0.050)	ND (<0.050)

NYSDEC = New York State Department of Environmental Conservation
AWQS = Ambient Water Quality Standards
ND (<#) = Not Detected (# is laboratory reporting limit)
µg/L = Micrograms per Liter
Bolded = values indicate exceedance of the NYSDEC AWQS
NA = Not Analyzed For.
J = Estimated Value.

Table 6

Analytical Data Summary
LTMW-6A

Parameter	NYSDEC AWQS (µg/L)	All Sampling Quarters in 2010-2016	January 2017	April 2017	July 2017	October 2017	All Sampling Quarters in 2018	All Sampling Quarters in 2019	All Sampling Quarters in 2020	All Sampling Quarters in 2021	January 2022	April 2022	July 2022	October 2022	January 2023	April 2023	July 2023	October 2023	All Sampling Quarters in 2024	January 2025	April 2025	July 2025	October 2025
Benzene	**1**	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Toluene	**5**	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Ethylbenzene	**5**	ND (<2.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Xylene (total)	**5**	ND (<4.7)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<1.0)	ND (<3.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)
Acenaphthene	**20**	ND (<5.0)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.11)	ND (<0.11)	ND (<0.11)	ND (<0.11)	ND (<0.099)	ND (<0.096)	ND (<0.10)	ND (<0.10)	ND (<0.079)	ND (<0.10)	ND (<0.28)	ND (<0.0555)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Acenaphthylene	**NA**	ND (<5.0)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.11)	ND (<0.11)	ND (<0.11)	ND (<0.11)	ND (<0.099)	ND (<0.096)	ND (<0.10)	ND (<0.10)	ND (<0.079)	ND (<0.10)	ND(<0.19)	ND (<0.0555)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Anthracene	**NA**	ND (<5.0)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.11)	ND (<0.11)	ND (<0.11)	ND (<0.11)	ND (<0.099)	ND (<0.096)	ND (<0.10)	ND (<0.10)	ND (<0.079)	ND (<0.10)	ND(<0.19)	ND (<0.0555)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Benzo(a)anthracene	**0.002**	ND (<5.0)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.11)	ND (<0.11)	ND (<0.11)	ND (<0.11)	ND (<0.099)	ND (<0.096)	ND (<0.10)	ND (<0.10)	ND (<0.079)	ND (<0.10)	ND(<0.047)	**0.118**	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Benzo(a)pyrene	**ND**	ND (<5.0)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.11)	ND (<0.11)	ND (<0.11)	ND (<0.11)	ND (<0.099)	ND (<0.096)	ND (<0.10)	ND (<0.10)	ND (<0.079)	ND (<0.10)	ND(<0.094)	**0.103**	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Benzo(b)fluoranthene	**0.002**	ND (<5.0)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.11)	ND (<0.11)	ND (<0.11)	ND (<0.11)	ND (<0.099)	**0.16**	ND (<0.10)	ND (<0.10)	ND (<0.079)	ND (<0.10)	ND(<0.047)	**0.150**	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Benzo(g,h,i)perylene	**NA**	ND (<5.0)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.11)	ND (<0.11)	ND (<0.11)	ND (<0.11)	ND (<0.099)	ND (<0.096)	ND (<0.10)	ND (<0.10)	ND (<0.079)	ND (<0.10)	ND(<0.47)	0.0747	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Benzo(k)fluoranthene	**0.002**	ND (<5.0)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.11)	ND (<0.11)	ND (<0.11)	ND (<0.11)	ND (<0.099)	**0.15**	ND (<0.10)	ND (<0.10)	ND (<0.079)	ND (<0.10)	ND(<0.19)	ND(<0.278)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Chrysene	**0.002**	ND (<5.0)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.11)	ND (<0.11)	ND (<0.11)	ND (<0.11)	ND (<0.099)	**0.12**	ND (<0.10)	ND (<0.10)	ND (<0.079)	ND (<0.10)	ND(<0.19)	**0.118**	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Dibenzo(a,h)anthracene	**NA**	ND (<5.0)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.11)	ND (<0.11)	ND (<0.11)	ND (<0.11)	ND (<0.099)	ND (<0.096)	ND (<0.10)	ND (<0.10)	ND (<0.079)	ND (<0.10)	ND(<0.094)	ND (<0.0555)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Fluoranthene	**50**	ND (<5.0)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.11)	ND (<0.11)	ND (<0.11)	ND (<0.11)	ND (<0.099)	0.28	ND (<0.10)	ND (<0.10)	ND (<0.079)	ND (<0.10)	ND(<0.47)	0.414	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Fluorene	**50**	ND (<5.0)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.11)	ND (<0.11)	ND (<0.11)	ND (<0.11)	ND (<0.099)	ND (<0.096)	ND (<0.10)	ND (<0.10)	ND (<0.079)	ND (<0.10)	ND(<0.94)	ND (<0.0555)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Indeno(1,2,3-cd)pyrene	**0.002**	ND (<5.0)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.11)	ND (<0.11)	ND (<0.11)	ND (<0.11)	ND (<0.099)	ND (<0.096)	ND (<0.10)	ND (<0.10)	ND (<0.079)	ND (<0.10)	ND(<0.094)	**0.0905**	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
2-Methylnaphthalene	**50**	ND (<5.0)	ND (<0.10)	ND (<0.10)	0.17	ND (<0.10)	ND (<0.11)	ND (<0.11)	ND (<0.11)	ND (<0.11)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.10)	ND (<0.079)	ND (<0.10)	ND(<0.94)	ND (<0.555)	NA	NA	NA	NA	NA
Naphthalene	**10**	ND (<5.0)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.11)	ND (<0.11)	ND (<0.11)	ND (<0.11)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.10)	ND (<0.079)	ND (<0.10)	ND(<0.94)	ND (<0.555)	ND (<5.0)	ND (<5.0)	ND(<0.20)	ND(<0.20)	ND(<0.20)
Phenanthrene	**50**	ND (<5.0)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.11)	ND (<0.11)	ND (<0.11)	ND (<0.11)	ND (<0.099)	0.11	ND (<0.10)	ND (<0.10)	ND (<0.079)	ND (<0.10)	ND(<0.047)	0.196	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Pyrene	**50**	ND (<5.0)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.11)	ND (<0.11)	ND (<0.11)	ND (<0.11)	ND (<0.099)	0.22	ND (<0.10)	ND (<0.10)	ND (<0.079)	ND (<0.10)	ND(<0.94)	0.296	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)

NYSDEC = New York State Department of Environmental Conservation
AWQS = Ambient Water Quality Standards
ND (<#) = Not Detected (# is laboratory reporting limit)
µg/L = Micrograms per Liter
Bolded = values indicate exceedance of the NYSDEC AWQS
NA = Not Analyzed For.
J = Estimated Value.

Table 6

Analytical Data Summary
LTMW-06 Skating Rink Well

Parameter	NYSDEC AWQS (µg/L)	All Sampling Quarters in 2010-2015	April 2016	October 2016	April 2017	October 2017	April 2018	October 2018	April 2019	October 2019	June 2020	October 2020	April 2021	October 2021	October 2021*	April 2022	October 2022	April 2023	October 2023	April 2024	October 2024	April 2025	October 2025
Benzene	**1**	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Toluene	**5**	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Ethylbenzene	**5**	ND (<2.0)	ND (<2.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Xylene (total)	**5**	ND (<4.7)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)
Acenaphthene	**20**	ND (<4.7)	ND (<4.7)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.099)	ND (<0.097)	ND (<0.11)	ND (<0.098)	ND (<0.099)	ND (<0.096)	ND (<0.098)	ND (<0.11)	ND (<0.11)	ND (<0.098)	ND (<0.0555)	ND (<5.0)	ND (<5.0)	0.018 J	ND (<0.050)
Acenaphthylene	**NA**	ND (<4.7)	ND (<4.7)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.099)	ND (<0.097)	ND (<0.11)	ND (<0.098)	ND (<0.099)	ND (<0.096)	ND (<0.098)	ND (<0.11)	ND (<0.11)	ND (<0.098)	ND (<0.0555)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)
Anthracene	**NA**	ND (<4.7)	ND (<4.7)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.099)	ND (<0.097)	ND (<0.11)	ND (<0.098)	ND (<0.099)	ND (<0.096)	ND (<0.098)	ND (<0.11)	ND (<0.11)	ND (<0.098)	ND (<0.0555)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)
Benzo(a)anthracene	**0.002**	ND (<4.7)	ND (<4.7)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.099)	ND (<0.097)	ND (<0.11)	ND (<0.098)	ND (<0.099)	ND (<0.096)	ND (<0.098)	ND (<0.11)	ND (<0.11)	ND (<0.098)	ND (<0.0555)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)
Benzo(a)pyrene	**ND**	ND (<4.7)	ND (<4.7)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.099)	ND (<0.097)	ND (<0.11)	ND (<0.098)	ND (<0.099)	ND (<0.096)	ND (<0.098)	ND (<0.11)	ND (<0.11)	ND (<0.098)	ND (<0.0555)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)
Benzo(b)fluoranthene	**0.002**	ND (<4.7)	ND (<4.7)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.099)	ND (<0.097)	ND (<0.11)	ND (<0.098)	ND (<0.099)	ND (<0.096)	ND (<0.098)	ND (<0.11)	ND (<0.11)	ND (<0.098)	ND (<0.0555)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)
Benzo(g,h,i)perylene	**NA**	ND (<4.7)	ND (<4.7)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.099)	ND (<0.097)	ND (<0.11)	ND (<0.098)	ND (<0.099)	ND (<0.096)	ND (<0.098)	ND (<0.11)	ND (<0.11)	ND (<0.098)	ND (<0.0555)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)
Benzo(k)fluoranthene	**0.002**	ND (<4.7)	ND (<4.7)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.099)	ND (<0.097)	ND (<0.11)	ND (<0.098)	ND (<0.099)	ND (<0.096)	ND (<0.098)	ND (<0.11)	ND (<0.11)	ND (<0.098)	ND (<0.0555)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)
Chrysene	**0.002**	ND (<4.7)	ND (<4.7)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.099)	ND (<0.097)	ND (<0.11)	ND (<0.098)	ND (<0.099)	ND (<0.096)	ND (<0.098)	ND (<0.11)	ND (<0.11)	ND (<0.098)	ND (<0.0555)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)
Dibenzo(a,h)anthracene	**NA**	ND (<4.7)	ND (<4.7)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.099)	ND (<0.097)	ND (<0.11)	ND (<0.098)	ND (<0.099)	ND (<0.096)	ND (<0.098)	ND (<0.11)	ND (<0.11)	ND (<0.098)	ND (<0.0555)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)
Fluoranthene	**50**	ND (<4.7)	ND (<4.7)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.099)	ND (<0.097)	ND (<0.11)	ND (<0.098)	ND (<0.099)	ND (<0.096)	ND (<0.098)	ND (<0.11)	ND (<0.11)	ND (<0.098)	ND (<0.0555)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)
Fluorene	**50**	ND (<4.7)	ND (<4.7)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.099)	ND (<0.097)	ND (<0.11)	ND (<0.098)	ND (<0.099)	ND (<0.096)	ND (<0.098)	ND (<0.11)	ND (<0.11)	ND (<0.098)	ND (<0.0555)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)
Indeno(1,2,3-cd)pyrene	**0.002**	ND (<4.7)	ND (<4.7)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.099)	ND (<0.097)	ND (<0.11)	ND (<0.098)	ND (<0.099)	ND (<0.096)	ND (<0.098)	ND (<0.11)	ND (<0.11)	ND (<0.098)	ND (<0.0555)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)
2-Methylnaphthalene	**50**	ND (<4.7)	ND (<4.7)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.099)	ND (<0.097)	ND (<0.11)	ND (<0.098)	ND (<0.099)	0.13	ND (<0.098)	ND (<0.11)	ND (<0.11)	ND (<0.098)	ND (<0.0555)	NA	NA	NA	NA
Naphthalene	**10**	ND (<4.7)	ND (<4.7)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.099)	ND (<0.097)	ND (<0.11)	ND (<0.098)	ND (<0.099)	0.32	ND (<0.098)	ND (<0.11)	ND (<0.11)	ND (<0.098)	ND (<0.0555)	ND (<5.0)	ND (<5.0)	ND(<0.20)	ND(<0.20)
Phenanthrene	**50**	ND (<4.7)	ND (<4.7)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.099)	ND (<0.097)	ND (<0.11)	ND (<0.098)	ND (<0.099)	ND (<0.096)	ND (<0.098)	ND (<0.11)	ND (<0.11)	ND (<0.098)	ND (<0.0555)	ND (<5.0)	ND (<5.0)	0.035 J	ND (<0.050)
Pyrene	**50**	ND (<4.7)	ND (<4.7)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.099)	ND (<0.097)	ND (<0.11)	ND (<0.098)	ND (<0.099)	ND (<0.096)	ND (<0.098)	ND (<0.11)	ND (<0.11)	ND (<0.098)	ND (<0.0555)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)

NYSDEC = New York State Department of Environmental Conservation
AWQS = Ambient Water Quality Standards
ND (<#) = Not Detected (# is laboratory reporting limit)
µg/L = Micrograms per Liter
Bolded = values indicate exceedance of the NYSDEC AWQS
NA = Not Analyzed For.
J = Estimated Value.
* = Results from resampling event, due to initial sampling results being inconsistent with historic results.

Table 6

Analytical Data Summary
LTMW-07 Skating Rink Well

Parameter	NYSDEC AWQS (µg/L)	All Sampling Quarters in 2010-2015	April 2016	October 2016	April 2017	October 2017	April 2018	October 2018	April 2019	October 2019	June 2020	October 2020	April 2021	May 2021	October 2021	October 2021*	April 2022	October 2022	April 2023	October 2023	April 2024	October 2024	April 2025	October 2025	October 2025*	November 2025*
Benzene	**1**	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Toluene	**5**	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Ethylbenzene	**5**	ND (<2.0)	ND (<2.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Xylene (total)	**5**	ND (<4.7)	ND (<4.7)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)
Acenaphthene	**20**	ND (<4.7)	ND (<4.7)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.098)	ND (<0.099)	ND (<0.11)	ND (<0.098)	ND (<0.099)	ND (<0.099)	ND (<0.095)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.0500)	ND (<5.0)	ND (<5.0)	ND (<0.050)	0.37	0.017 J	ND (<0.050)
Acenaphthylene	**NA**	ND (<4.7)	ND (<4.7)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.098)	ND (<0.099)	ND (<0.11)	ND (<0.098)	ND (<0.099)	ND (<0.099)	ND (<0.095)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.0500)	ND <5.0)	ND (<5.0)	ND (<0.050)	0.38	ND (<0.050)	ND (<0.050)
Anthracene	**NA**	ND (<4.7)	ND (<4.7)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.098)	ND (<0.099)	ND (<0.11)	ND (<0.098)	ND (<0.099)	ND (<0.099)	ND (<0.095)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.0500)	ND (<5.0)	ND (<5.0)	ND (<0.050)	0.46	ND (<0.050)	ND (<0.050)
Benzo(a)anthracene	**0.002**	ND (<4.7)	ND (<4.7)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.098)	ND (<0.099)	ND (<0.11)	ND (<0.098)	ND (<0.099)	ND (<0.099)	ND (<0.095)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.0500)	ND (<5.0)	ND (<5.0)	ND (<0.050)	**0.42**	**0.016 J**	ND (<0.050)
Benzo(a)pyrene	**ND**	ND (<4.7)	ND (<4.7)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.098)	ND (<0.099)	ND (<0.11)	ND (<0.098)	ND (<0.099)	ND (<0.099)	ND (<0.095)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.0500)	ND (<5.0)	ND (<5.0)	ND (<0.050)	0.34	ND (<0.050)	ND (<0.050)
Benzo(b)fluoranthene	**0.002**	ND (<4.7)	ND (<4.7)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.098)	ND (<0.099)	ND (<0.11)	ND (<0.098)	ND (<0.099)	ND (<0.099)	ND (<0.095)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.0500)	ND (<5.0)	ND (<5.0)	**0.027 J**	**0.33**	ND (<0.050)	ND (<0.050)
Benzo(g,h,i)perylene	**NA**	ND (<4.7)	ND (<4.7)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.098)	ND (<0.099)	ND (<0.11)	ND (<0.098)	ND (<0.099)	ND (<0.099)	ND (<0.095)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.0500)	ND (<5.0)	ND (<5.0)	ND (<0.050)	0.25	ND (<0.050)	ND (<0.050)
Benzo(k)fluoranthene	**0.002**	ND (<4.7)	ND (<4.7)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.098)	ND (<0.099)	ND (<0.11)	ND (<0.098)	ND (<0.099)	ND (<0.099)	ND (<0.095)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.0500)	ND (<5.0)	ND (<5.0)	ND (<0.050)	**0.41**	ND (<0.050)	ND (<0.050)
Chrysene	**0.002**	ND (<4.7)	ND (<4.7)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.098)	ND (<0.099)	ND (<0.11)	ND (<0.098)	ND (<0.099)	ND (<0.099)	ND (<0.095)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.0500)	ND (<5.0)	ND (<5.0)	ND (<0.050)	**0.42**	ND (<0.050)	ND (<0.050)
Dibenzo(a,h)anthracene	**NA**	ND (<4.7)	ND (<4.7)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.098)	ND (<0.099)	ND (<0.11)	ND (<0.098)	ND (<0.099)	ND (<0.099)	ND (<0.095)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.0500)	ND (<5.0)	ND (<5.0)	ND (<0.050)	0.18	ND (<0.050)	ND (<0.050)
Fluoranthene	**50**	ND (<4.7)	ND (<4.7)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.098)	ND (<0.099)	ND (<0.11)	ND (<0.098)	ND (<0.099)	ND (<0.099)	ND (<0.095)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.0500)	ND (<5.0)	ND (<5.0)	ND (<0.050)	0.49	ND (<0.050)	ND (<0.050)
Fluorene	**50**	ND (<4.7)	ND (<4.7)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.098)	ND (<0.099)	ND (<0.11)	ND (<0.098)	ND (<0.099)	ND (<0.099)	ND (<0.095)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.0500)	ND (<5.0)	ND (<5.0)	ND (<0.050)	0.41	0.017 J	ND (<0.050)
Indeno(1,2,3-cd)pyrene	**0.002**	ND (<4.7)	ND (<4.7)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.098)	ND (<0.099)	ND (<0.11)	ND (<0.098)	ND (<0.099)	ND (<0.099)	ND (<0.095)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.0500)	ND (<5.0)	ND (<5.0)	ND (<0.050)	**0.20**	ND (<0.050)	ND (<0.050)
2-Methylnaphthalene	**50**	ND (<4.7)	ND (<4.7)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.098)	ND (<0.099)	ND (<0.11)	ND (<0.098)	ND (<0.099)	ND (<0.099)	0.11	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.0500)	NA	NA	NA	NA	NA	NA
Naphthalene	**10**	ND (<4.7)	ND (<4.7)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.098)	ND (<0.099)	ND (<0.11)	ND (<0.098)	0.14	ND (<0.099)	0.59	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.0500)	ND (<5.0)	ND (<5.0)	ND(<0.20)	0.33	ND(<0.20)	ND(<0.20)
Phenanthrene	**50**	ND (<4.7)	ND (<4.7)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.098)	ND (<0.099)	ND (<0.11)	ND (<0.098)	ND (<0.099)	ND (<0.099)	ND (<0.095)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.0500)	ND (<5.0)	ND (<5.0)	ND (<0.050)	0.42	ND (<0.050)	ND (<0.050)
Pyrene	**50**	ND (<4.7)	ND (<4.7)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.098)	ND (<0.099)	ND (<0.11)	ND (<0.098)	ND (<0.099)	ND (<0.099)	ND (<0.095)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.099)	ND (<0.0500)	ND (<5.0)	ND (<5.0)	ND (<0.050)	0.52	ND (<0.050)	ND (<0.050)

NYSDEC = New York State Department of Environmental Conservation
AWQS = Ambient Water Quality Standards
ND (<#) = Not Detected (# is laboratory reporting limit)
µg/L = Micrograms per Liter
Bolded = values indicate exceedance of the NYSDEC AWQS
NA = Not Analyzed For.
J = Estimated Value.
* = Results from resampling event, due to initial sampling results being inconsistent with historic results.

Table 6

Analytical Data Summary
LTMW-08 Skating Rink Well

Parameter	NYSDEC AWQS (µg/L)	All Sampling Quarters in 2010-2015	April 2016	October 2016	April 2017	October 2017	April 2018	October 2018	April 2019	October 2019	June 2020	October 2020	April 2021	October 2021	October 2021*	April 2022	October 2022	April 2023	October 2023	April 2024	October 2024	October 2025
Benzene	**1**	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Toluene	**5**	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Ethylbenzene	**5**	ND (<2.0)	ND (<2.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Xylene (total)	**5**	ND (<4.7)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<2.0)	ND (<2.0)
Acenaphthene	**20**	ND (<4.7)	ND (<4.7)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.098)	ND (<0.098)	ND (<0.11)	ND (<0.098)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.098)	ND (<0.11)	ND (<0.099)	ND (<0.0500)	ND (<5.0)	ND (<5.0)	ND (<0.050)
Acenaphthylene	**NA**	ND (<4.7)	ND (<4.7)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.098)	ND (<0.098)	ND (<0.11)	ND (<0.098)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.098)	ND (<0.11)	ND (<0.099)	ND (<0.0500)	ND (<5.0)	ND (<5.0)	ND (<0.050)
Anthracene	**NA**	ND (<4.7)	ND (<4.7)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.098)	ND (<0.098)	ND (<0.11)	ND (<0.098)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.098)	ND (<0.11)	ND (<0.099)	ND (<0.0500)	ND (<5.0)	ND (<5.0)	ND (<0.050)
Benzo(a)anthracene	**0.002**	ND (<4.7)	ND (<4.7)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.098)	ND (<0.098)	ND (<0.11)	ND (<0.098)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.098)	ND (<0.11)	ND (<0.099)	ND (<0.0500)	ND (<5.0)	ND (<5.0)	ND (<0.050)
Benzo(a)pyrene	**ND**	ND (<4.7)	ND (<4.7)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.098)	ND (<0.098)	ND (<0.11)	ND (<0.098)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.098)	ND (<0.11)	ND (<0.099)	ND (<0.0500)	ND (<5.0)	ND (<5.0)	ND (<0.050)
Benzo(b)fluoranthene	**0.002**	ND (<4.7)	ND (<4.7)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.098)	ND (<0.098)	ND (<0.11)	ND (<0.098)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.098)	ND (<0.11)	ND (<0.099)	ND (<0.0500)	ND (<5.0)	ND (<5.0)	ND (<0.050)
Benzo(g,h,i)perylene	**NA**	ND (<4.7)	ND (<4.7)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.098)	ND (<0.098)	ND (<0.11)	ND (<0.098)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.098)	ND (<0.11)	ND (<0.099)	ND (<0.0500)	ND (<5.0)	ND (<5.0)	ND (<0.050)
Benzo(k)fluoranthene	**0.002**	ND (<4.7)	ND (<4.7)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.098)	ND (<0.098)	ND (<0.11)	ND (<0.098)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.098)	ND (<0.11)	ND (<0.099)	ND (<0.0500)	ND (<5.0)	ND (<5.0)	ND (<0.050)
Chrysene	**0.002**	ND (<4.7)	ND (<4.7)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.098)	ND (<0.098)	ND (<0.11)	ND (<0.098)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.098)	ND (<0.11)	ND (<0.099)	ND (<0.0500)	ND (<5.0)	ND (<5.0)	ND (<0.050)
Dibenzo(a,h)anthracene	**NA**	ND (<4.7)	ND (<4.7)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.098)	ND (<0.098)	ND (<0.11)	ND (<0.098)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.098)	ND (<0.11)	ND (<0.099)	ND (<0.0500)	ND (<5.0)	ND (<5.0)	ND (<0.050)
Fluoranthene	**50**	ND (<4.7)	ND (<4.7)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.098)	ND (<0.098)	ND (<0.11)	ND (<0.098)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.098)	ND (<0.11)	ND (<0.099)	ND (<0.0500)	ND (<5.0)	ND (<5.0)	ND (<0.050)
Fluorene	**50**	ND (<4.7)	ND (<4.7)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.098)	ND (<0.098)	ND (<0.11)	ND (<0.098)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.098)	ND (<0.11)	ND (<0.099)	ND (<0.0500)	ND (<5.0)	ND (<5.0)	ND (<0.050)
Indeno(1,2,3-cd)pyrene	**0.002**	ND (<4.7)	ND (<4.7)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.098)	ND (<0.098)	ND (<0.11)	ND (<0.098)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.098)	ND (<0.11)	ND (<0.099)	ND (<0.0500)	ND (<5.0)	ND (<5.0)	ND (<0.050)
2-Methylnaphthalene	**50**	ND (<4.7)	ND (<4.7)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.098)	ND (<0.098)	ND (<0.11)	ND (<0.098)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.098)	ND (<0.11)	ND (<0.099)	ND (<0.0500)	NA	NA	NA
Naphthalene	**10**	ND (<4.7)	ND (<4.7)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.098)	ND (<0.098)	ND (<0.11)	ND (<0.098)	ND (<0.099)	0.13	ND (<0.10)	ND (<0.098)	ND (<0.11)	ND (<0.099)	ND (<0.0500)	ND (<5.0)	ND (<5.0)	ND(<0.20)
Phenanthrene	**50**	ND (<4.7)	ND (<4.7)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.098)	ND (<0.098)	ND (<0.11)	ND (<0.098)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.098)	ND (<0.11)	ND (<0.099)	ND (<0.0500)	ND (<5.0)	ND (<5.0)	ND (<0.050)
Pyrene	**50**	ND (<4.7)	ND (<4.7)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.098)	ND (<0.098)	ND (<0.11)	ND (<0.098)	ND (<0.099)	ND (<0.099)	ND (<0.10)	ND (<0.098)	ND (<0.11)	ND (<0.099)	ND (<0.0500)	ND (<5.0)	ND (<5.0)	ND (<0.050)

NYSDEC = New York State Department of Environmental Conservation
AWQS = Ambient Water Quality Standards
ND (<#) = Not Detected (# is laboratory reporting limit)
µg/L = Micrograms per Liter
Bolded = values indicate exceedance of the NYSDEC AWQS
NA = Not Analyzed For.
J = Estimated Value.
* = Results from resampling event, due to initial sampling results being inconsistent with historic results.

Table 6

Analytical Data Summary
LTMW-12 Former Spa Steel

Parameter	NYSDEC AWQS (µg/L)	October 2015	All Sampling Quarters in 2016-2019	January 2020	June 2020	July 2020	October 2020	January 2021	April 2021	July 2021	October 2021	January 2022	April 2022	July 2022	October 2022	January 2023	April 2023	July 2023	October 2023	All Sampling Quarters in 2024	January 2025	April 2025	July 2025	October 2025
Benzene	**1**	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Toluene	**5**	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Ethylbenzene	**5**	ND (<2.0)	ND (<2.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Xylene (total)	**5**	ND (<4.8)	ND (<5.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<1.0)	ND (<3.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)
Acenaphthene	**20**	ND (<4.8)	ND (<5.0)	ND (<0.099)	ND (<0.099)	ND (<0.096)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.098)	ND (<0.10)	ND (<0.11)	ND (<0.079)	ND (<0.097)	ND(<0.27)	ND(<0.096)	ND (<5.0)	ND (<5.0)	ND (<0.050)	0.018 J	ND (<0.050)
Acenaphthylene	**NA**	ND (<4.8)	ND (<5.0)	ND (<0.099)	ND (<0.099)	ND (<0.096)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.098)	ND (<0.10)	ND (<0.11)	ND (<0.079)	ND (<0.097)	ND(<0.18)	ND(<0.096)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Anthracene	**NA**	ND (<4.8)	ND (<5.0)	ND (<0.099)	ND (<0.099)	ND (<0.096)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.098)	ND (<0.10)	ND (<0.11)	ND (<0.079)	ND (<0.097)	ND(<0.18)	ND(<0.096)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Benzo(a)anthracene	**0.002**	ND (<4.8)	ND (<5.0)	ND (<0.099)	**0.20**	**0.26**	ND (<0.10)	ND (<0.099)	ND (<0.10)	**0.13**	ND (<0.099)	ND (<0.11)	ND (<0.098)	ND (<0.10)	ND (<0.11)	ND (<0.079)	ND (<0.097)	ND(<0.045)	ND(<0.096)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Benzo(a)pyrene	**ND**	ND (<4.8)	ND (<5.0)	ND (<0.099)	**0.30**	**0.40**	ND (<0.10)	ND (<0.099)	ND (<0.10)	**0.19**	ND (<0.099)	ND (<0.11)	ND (<0.098)	ND (<0.10)	ND (<0.11)	ND (<0.079)	ND (<0.097)	ND(<0.089)	ND(<0.096)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Benzo(b)fluoranthene	**0.002**	ND (<4.8)	ND (<5.0)	ND (<0.099)	**0.52**	**0.63**	ND (<0.10)	ND (<0.099)	ND (<0.10)	**0.3**	ND (<0.099)	ND (<0.11)	ND (<0.098)	ND (<0.10)	**0.16**	ND (<0.079)	ND (<0.097)	ND(<0.045)	ND(<0.096)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Benzo(g,h,i)perylene	**NA**	ND (<4.8)	ND (<5.0)	ND (<0.099)	0.37	0.37	ND (<0.10)	ND (<0.099)	ND (<0.10)	0.17	ND (<0.099)	ND (<0.11)	ND (<0.098)	ND (<0.10)	ND (<0.11)	ND (<0.079)	ND (<0.097)	ND(<0.45)	ND(<0.096)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Benzo(k)fluoranthene	**0.002**	ND (<4.8)	ND (<5.0)	ND (<0.099)	**0.18**	ND (<0.096)	ND (<0.10)	ND (<0.099)	ND (<0.10)	**0.29**	ND (<0.099)	ND (<0.11)	ND (<0.098)	ND (<0.10)	**0.14**	ND (<0.079)	ND (<0.097)	ND(<0.18)	ND(<0.096)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Chrysene	**0.002**	ND (<4.7)	ND (<5.0)	ND (<0.099)	**0.42**	**0.47**	ND (<0.10)	ND (<0.099)	ND (<0.10)	**0.19**	ND (<0.099)	ND (<0.11)	ND (<0.098)	ND (<0.10)	ND (<0.11)	ND (<0.079)	ND (<0.097)	ND(<0.18)	ND(<0.096)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Dibenzo(a,h)anthracene	**NA**	ND (<4.8)	ND (<5.0)	ND (<0.099)	ND (<0.099)	ND (<0.096)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.098)	ND (<0.10)	ND (<0.11)	ND (<0.079)	ND (<0.097)	ND(<0.089)	ND(<0.096)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Fluoranthene	**50**	ND (<4.8)	ND (<5.0)	ND (<0.099)	0.85	0.78	ND (<0.10)	0.12	ND (<0.10)	0.35	ND (<0.099)	ND (<0.11)	ND (<0.098)	ND (<0.10)	0.19	ND (<0.079)	ND (<0.097)	ND(<0.45)	ND(<0.096)	ND (<5.0)	ND (<5.0)	ND (<0.050)	0.044 J	ND (<0.050)
Fluorene	**50**	ND (<4.8)	ND (<5.0)	ND (<0.099)	ND (<0.099)	ND (<0.096)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.098)	ND (<0.10)	ND (<0.11)	ND (<0.079)	ND (<0.097)	ND(<0.89)	ND(<0.096)	ND (<5.0)	ND (<5.0)	0.013 J	ND (<0.050)	ND (<0.050)
Indeno(1,2,3-cd)pyrene	**0.002**	ND (<4.8)	ND (<5.0)	ND (<0.099)	**0.22**	**0.23**	ND (<0.10)	ND (<0.099)	ND (<0.10)	**0.11**	ND (<0.099)	ND (<0.11)	ND (<0.098)	ND (<0.10)	ND (<0.11)	ND (<0.079)	ND (<0.097)	ND(<0.089)	ND(<0.096)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
2-Methylnaphthalene	**50**	ND (<4.8)	ND (<5.0)	ND (<0.099)	ND (<0.099)	ND (<0.096)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.098)	ND (<0.10)	ND (<0.11)	ND (<0.079)	ND (<0.097)	ND(<0.89)	ND(<0.096)	NA	NA	NA	NA	NA
Naphthalene	**10**	ND (<4.8)	ND (<5.0)	ND (<0.099)	ND (<0.099)	ND (<0.096)	ND (<0.10)	ND (<0.099)	ND (<0.10)	ND (<0.10)	ND (<0.099)	ND (<0.11)	ND (<0.098)	ND (<0.10)	ND (<0.11)	ND (<0.079)	ND (<0.097)	ND(<0.89)	0.12	ND (<5.0)	ND (<5.0)	ND(<0.20)	ND(<0.20)	ND(<0.20)
Phenanthrene	**50**	ND (<4.8)	ND (<5.0)	ND (<0.099)	0.75	0.61	ND (<0.10)	ND (<0.099)	ND (<0.10)	0.22	ND (<0.099)	ND (<0.11)	ND (<0.098)	ND (<0.10)	ND (<0.11)	ND (<0.079)	ND (<0.097)	ND(<0.045)	ND(<0.096)	ND (<5.0)	ND (<5.0)	0.025 J	ND (<0.050)	ND (<0.050)
Pyrene	**50**	ND (<4.8)	ND (<5.0)	ND (<0.099)	0.83	0.83	ND (<0.10)	0.12	ND (<0.10)	0.37	ND (<0.099)	ND (<0.11)	ND (<0.098)	ND (<0.10)	0.20	ND (<0.079)	ND (<0.097)	ND(<0.89)	ND(<0.096)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)

NYSDEC = New York State Department of Environmental Conservation
AWQS = Ambient Water Quality Standards
ND (<#) = Not Detected (# is laboratory reporting limit)
µg/L = Micrograms per Liter
Bolded = values indicate exceedance of the NYSDEC AWQS
NA = Not Analyzed For.
J = Estimated Value.

Table 6

Analytical Data Summary
LTMW-13 Former Spa Steel

Parameter	NYSDEC AWQS (µg/L)	October 2015	All Sampling Quarters in 2016-2019	January 2020	June 2020	July 2020	October 2020	January 2021	April 2021	July 2021	October 2021	January 2022	April 2022	July 2022	October 2022	January 2023	April 2023	July 2023	October 2023	All Sampling Quarters in 2024	January 2025	April 2025	July 2025	October 2025
Benzene	**1**	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Toluene	**5**	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Ethylbenzene	**5**	ND (<2.0)	ND (<2.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Xylene (total)	**5**	ND (<4.6)	ND (<5.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<1.0)	ND (<3.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)
Acenaphthene	**20**	ND (<4.6)	ND (<5.0)	ND (<0.11)	ND (<0.099)	ND (<0.096)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.099)	ND (<0.094)	ND (<0.10)	ND (<0.10)	ND (<0.079)	ND (<0.098)	ND(<0.27)	ND (<0.10)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Acenaphthylene	**NA**	ND (<4.6)	ND (<5.0)	ND (<0.11)	ND (<0.099)	ND (<0.096)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.099)	ND (<0.094)	ND (<0.10)	ND (<0.10)	ND (<0.079)	ND (<0.098)	ND(<0.18)	ND (<0.10)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Anthracene	**NA**	ND (<4.6)	ND (<5.0)	ND (<0.11)	0.11	ND (<0.096)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.099)	ND (<0.094)	ND (<0.10)	ND (<0.10)	ND (<0.079)	ND (<0.098)	ND(<0.18)	ND (<0.10)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Benzo(a)anthracene	**0.002**	ND (<4.6)	ND (<5.0)	ND (<0.11)	**0.50**	ND (<0.096)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.099)	ND (<0.094)	**0.11**	ND (<0.10)	ND (<0.079)	ND (<0.098)	ND(<0.044)	ND (<0.10)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Benzo(a)pyrene	**ND**	ND (<4.6)	ND (<5.0)	ND (<0.11)	**0.59**	ND (<0.096)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.099)	ND (<0.094)	ND (<0.10)	ND (<0.10)	ND (<0.079)	ND (<0.098)	ND(<0.088)	ND (<0.10)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Benzo(b)fluoranthene	**0.002**	ND (<4.6)	ND (<5.0)	ND (<0.11)	**0.77**	ND (<0.096)	ND (<0.098)	ND (<0.10)	**0.16**	ND (<0.10)	ND (<0.10)	ND (<0.099)	ND (<0.094)	**0.16**	ND (<0.10)	ND (<0.079)	ND (<0.098)	ND(<0.044)	ND (<0.10)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Benzo(g,h,i)perylene	**NA**	ND (<4.6)	ND (<5.0)	ND (<0.11)	0.6	ND (<0.096)	ND (<0.098)	ND (<0.10)	0.11	ND (<0.10)	ND (<0.10)	ND (<0.099)	ND (<0.094)	ND (<0.10)	ND (<0.10)	ND (<0.079)	ND (<0.098)	ND(<0.44)	ND (<0.10)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Benzo(k)fluoranthene	**0.002**	ND (<4.6)	ND (<5.0)	ND (<0.11)	**0.28**	ND (<0.096)	ND (<0.098)	ND (<0.10)	**0.16**	ND (<0.10)	ND (<0.10)	ND (<0.099)	ND (<0.094)	**0.14**	ND (<0.10)	ND (<0.079)	ND (<0.098)	ND(<0.18)	ND (<0.10)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Chrysene	**0.002**	ND (<4.7)	ND (<5.0)	ND (<0.11)	**0.64**	ND (<0.096)	ND (<0.098)	ND (<0.10)	**0.11**	ND (<0.10)	ND (<0.10)	ND (<0.099)	ND (<0.094)	**0.11**	ND (<0.10)	ND (<0.079)	ND (<0.098)	ND(<0.18)	ND (<0.10)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Dibenzo(a,h)anthracene	**NA**	ND (<4.6)	ND (<5.0)	ND (<0.11)	0.1	ND (<0.096)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.099)	ND (<0.094)	ND (<0.10)	ND (<0.10)	ND (<0.079)	ND (<0.098)	ND(<0.088)	ND (<0.10)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Fluoranthene	**50**	ND (<4.6)	ND (<5.0)	ND (<0.11)	1.3	ND (<0.096)	ND (<0.098)	ND (<0.10)	0.18	ND (<0.10)	ND (<0.10)	ND (<0.099)	0.14	0.21	ND (<0.10)	ND (<0.079)	ND (<0.098)	ND(<0.44)	ND (<0.10)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Fluorene	**50**	ND (<4.6)	ND (<5.0)	ND (<0.11)	ND (<0.099)	ND (<0.096)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.099)	ND (<0.094)	ND (<0.10)	ND (<0.10)	ND (<0.079)	ND (<0.098)	ND(<0.88)	ND (<0.10)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Indeno(1,2,3-cd)pyrene	**0.002**	ND (<4.6)	ND (<5.0)	ND (<0.11)	**0.34**	ND (<0.096)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.099)	ND (<0.094)	ND (<0.10)	ND (<0.10)	ND (<0.079)	ND (<0.098)	ND(<0.088)	ND (<0.10)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
2-Methylnaphthalene	**50**	ND (<4.6)	ND (<5.0)	ND (<0.11)	ND (<0.099)	ND (<0.096)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.099)	ND (<0.094)	ND (<0.10)	ND (<0.10)	ND (<0.079)	ND (<0.098)	ND(<0.88)	ND (<0.10)	NA	NA	NA	NA	NA
Naphthalene	**10**	ND (<4.6)	ND (<5.0)	ND (<0.11)	ND (<0.099)	ND (<0.096)	ND (<0.098)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.10)	ND (<0.099)	ND (<0.094)	ND (<0.10)	ND (<0.10)	ND (<0.079)	ND (<0.098)	ND(<0.88)	0.14	ND (<5.0)	ND (<5.0)	ND(<0.20)	ND(<0.20)	ND(<0.20)
Phenanthrene	**50**	ND (<4.6)	ND (<5.0)	ND (<0.11)	1.1	ND (<0.096)	ND (<0.098)	ND (<0.10)	0.16	ND (<0.10)	ND (<0.10)	ND (<0.099)	ND (<0.094)	0.20	ND (<0.10)	ND (<0.079)	ND (<0.098)	ND(<0.044)	ND (<0.10)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Pyrene	**50**	ND (<4.6)	ND (<5.0)	ND (<0.11)	1.4	ND (<0.096)	ND (<0.098)	ND (<0.10)	0.18	ND (<0.10)	ND (<0.10)	ND (<0.099)	0.15	0.22	ND (<0.10)	ND (<0.079)	ND (<0.098)	ND(<0.88)	ND (<0.10)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)

NYSDEC = New York State Department of Environmental Conservation
AWQS = Ambient Water Quality Standards
ND (<#) = Not Detected (# is laboratory reporting limit)
µg/L = Micrograms per Liter
Bolded = values indicate exceedance of the NYSDEC AWQS
NA = Not Analyzed For.
J = Estimated Value.

Table 6

Analytical Data Summary
LTMW-14

Parameter	NYSDEC AWQS (µg/L)	All Sampling Quarters in 2010-2022	January 2023	April 2023	July 2023	October 2023	All Sampling Quarters in 2024	January 2025	April 2025	July 2025	October 2025
Benzene	**1**	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Toluene	**5**	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Ethylbenzene	**5**	ND (<2.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Xylene (total)	**5**	ND (<4.7)	ND (<3.0)	ND (<3.0)	ND (<1.0)	ND (<3.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)
Acenaphthene	**20**	ND (<4.9)	ND (<0.081)	ND (<0.098)	ND (<0.27)	ND (<0.0500)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Acenaphthylene	**NA**	ND (<4.9)	ND (<0.081)	ND (<0.098)	ND (<0.18)	ND (<0.0500)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Anthracene	**NA**	ND (<4.9)	ND (<0.081)	ND (<0.098)	ND (<0.18)	ND (<0.0500)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Benzo(a)anthracene	**0.002**	ND (<4.9)	ND (<0.081)	ND (<0.098)	ND (<0.044)	ND (<0.0500)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Benzo(a)pyrene	**ND**	ND (<4.9)	ND (<0.081)	ND (<0.098)	ND (<0.088)	ND (<0.0500)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Benzo(b)fluoranthene	**0.002**	ND (<4.9)	ND (<0.081)	ND (<0.098)	ND (<0.044)	ND (<0.0500)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Benzo(g,h,i)perylene	**NA**	ND (<4.9)	ND (<0.081)	ND (<0.098)	ND (<0.44)	ND (<0.0500)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Benzo(k)fluoranthene	**0.002**	ND (<4.9)	ND (<0.081)	ND (<0.098)	ND (<0.18)	ND (<0.250)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Chrysene	**0.002**	ND (<4.9)	ND (<0.081)	ND (<0.098)	ND (<0.18)	ND (<0.0500)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Dibenzo(a,h)anthracene	**NA**	ND (<4.9)	ND (<0.081)	ND (<0.098)	ND (<0.088)	ND (<0.0500)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Fluoranthene	**50**	ND (<4.9)	ND (<0.081)	ND (<0.098)	ND (<0.44)	ND (<0.0500)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Fluorene	**50**	ND (<4.9)	ND (<0.081)	ND (<0.098)	ND (<0.88)	ND (<0.0500)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Indeno(1,2,3-cd)pyrene	**0.002**	ND (<4.9)	ND (<0.081)	ND (<0.098)	ND (<0.088)	ND (<0.0500)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
2-Methylnaphthalene	**50**	ND (<4.9)	ND (<0.081)	ND (<0.098)	ND (<0.88)	ND (<0.500)	NA	NA	NA	NA	NA
Naphthalene	**10**	ND (<4.9)	ND (<0.081)	ND (<0.098)	ND (<0.88)	ND (<0.500)	ND (<5.0)	ND (<5.0)	ND(<0.20)	ND(<0.20)	ND(<0.20)
Phenanthrene	**50**	ND (<4.9)	ND (<0.081)	ND (<0.098)	0.056	ND (<0.0500)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Pyrene	**50**	ND (<4.9)	ND (<0.081)	ND (<0.098)	ND (<0.88)	ND (<0.0500)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)

NYSDEC = New York State Department of Environmental Conservation
AWQS = Ambient Water Quality Standards
ND (<#) = Not Detected (# is laboratory reporting limit)
µg/L = Micrograms per Liter
Bolded = values indicate exceedance of the NYSDEC AWQS
NA = Not Analyzed For.
J = Estimated Value.

Table 6

Analytical Data Summary
LTMW-15

Parameter	NYSDEC AWQS (µg/L)	All Sampling Quarters in 2010-2021	January 2022	April 2022	July 2022	October 2022	All Sampling Quarters in 2023	January 2024	April 2024	July 2024	October 2024	January 2025	April 2025	July 2025	October 2025
Benzene	**1**	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Toluene	**5**	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Ethylbenzene	**5**	ND (<2.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Xylene (total)	**5**	ND (<4.7)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	4.1	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)
Acenaphthene	**20**	ND (<5.1)	ND (<0.098)	ND (<0.096)	ND (<0.099)	ND (<0.10)	ND (<0.10)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Acenaphthylene	**NA**	ND (<5.1)	ND (<0.098)	ND (<0.096)	ND (<0.099)	ND (<0.10)	ND (<0.10)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Anthracene	**NA**	ND (<5.1)	ND (<0.098)	ND (<0.096)	ND (<0.099)	ND (<0.10)	ND (<0.10)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Benzo(a)anthracene	**0.002**	ND (<5.1)	ND (<0.098)	ND (<0.096)	ND (<0.099)	ND (<0.10)	ND (<0.10)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Benzo(a)pyrene	**ND**	ND (<5.1)	ND (<0.098)	ND (<0.096)	ND (<0.099)	ND (<0.10)	ND (<0.10)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Benzo(b)fluoranthene	**0.002**	ND (<5.1)	ND (<0.098)	ND (<0.096)	ND (<0.099)	**0.14**	ND (<0.10)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Benzo(g,h,i)perylene	**NA**	ND (<5.1)	ND (<0.098)	ND (<0.096)	ND (<0.099)	ND (<0.10)	ND (<0.10)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Benzo(k)fluoranthene	**0.002**	ND (<5.1)	ND (<0.098)	ND (<0.096)	ND (<0.099)	**0.13**	ND (<0.10)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Chrysene	**0.002**	ND (<5.1)	ND (<0.098)	ND (<0.096)	ND (<0.099)	ND (<0.10)	ND (<0.10)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Dibenzo(a,h)anthracene	**NA**	ND (<5.1)	ND (<0.098)	ND (<0.096)	ND (<0.099)	ND (<0.10)	ND (<0.10)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Fluoranthene	**50**	ND (<5.1)	ND (<0.098)	ND (<0.096)	ND (<0.099)	0.16	ND (<0.10)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Fluorene	**50**	ND (<5.1)	ND (<0.098)	ND (<0.096)	ND (<0.099)	ND (<0.10)	ND (<0.10)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<0.050)	0.014 J	ND (<0.050)
Indeno(1,2,3-cd)pyrene	**0.002**	ND (<5.1)	ND (<0.098)	ND (<0.096)	ND (<0.099)	ND (<0.10)	ND (<0.10)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
2-Methylnaphthalene	**50**	ND (<5.1)	ND (<0.098)	ND (<0.096)	ND (<0.099)	ND (<0.10)	ND (<0.10)	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	**10**	ND (<5.1)	ND (<0.098)	ND (<0.096)	ND (<0.099)	ND (<0.10)	ND (<0.10)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND(<0.20)	ND(<0.20)	ND(<0.20)
Phenanthrene	**50**	ND (<5.1)	ND (<0.098)	ND (<0.096)	ND (<0.099)	ND (<0.10)	ND (<0.10)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Pyrene	**50**	ND (<5.1)	ND (<0.098)	ND (<0.096)	ND (<0.099)	0.13	ND (<0.10)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)

NYSDEC = New York State Department of Environmental Conservation
AWQS = Ambient Water Quality Standards
ND (<#) = Not Detected (# is laboratory reporting limit)
µg/L = Micrograms per Liter
Bolded = values indicate exceedance of the NYSDEC AWQS
NA = Not Analyzed For.
J = Estimated Value.

Table 6

Analytical Data Summary
MW-EPA-01R

Parameter	NYSDEC AWQS (µg/L)	July 2020	August 2020	October 2020	June 2021	October 2022	October 2024	January 2025	April 2025	July 2025	October 2025
Benzene	**1**	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<0.50)	ND (<0.50)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Toluene	**5**	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Ethylbenzene	**5**	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Xylene (total)	**5**	ND	ND	ND	ND (<1.0)	ND (<1.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)
Acenaphthene	**20**	ND (<0.22)	0.36	0.092 J	0.092 J	ND (<0.097)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	0.032 J
Acenaphthylene	**NA**	ND (<0.22)	ND (<0.19)	ND (<0.22)	ND (<0.074)	ND (<0.097)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Anthracene	**NA**	ND (<0.22)	ND (<0.19)	ND (<0.22)	ND (<0.074)	ND (<0.097)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Benzo(a)anthracene	**0.002**	ND (<0.22)	ND (<0.19)	ND (<0.22)	ND (<0.037)	ND (<0.049)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Benzo(a)pyrene	**ND**	ND (<0.22)	ND (<0.19)	ND (<0.22)	ND (<0.037)	ND (<0.049)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Benzo(b)fluoranthene	**0.002**	ND (<0.22)	ND (<0.19)	ND (<0.22)	ND (<0.037)	ND (<0.049)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Benzo(g,h,i)perylene	**NA**	ND (<0.22)	ND (<0.19)	ND (<0.22)	ND (<0.074)	ND (<0.097)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Benzo(k)fluoranthene	**0.002**	ND (<0.22)	ND (<0.19)	ND (<0.22)	ND (<0.074)	ND (<0.097)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Chrysene	**0.002**	ND (<0.22)	ND (<0.19)	ND (<0.22)	ND (<0.074)	ND (<0.097)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Dibenzo(a,h)anthracene	**NA**	ND (<0.22)	ND (<0.19)	ND (<0.22)	ND (<0.074)	ND (<0.097)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Fluoranthene	**50**	ND (<0.22)	ND (<0.19)	ND (<0.22)	ND (<0.074)	ND (<0.097)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Fluorene	**50**	ND (<0.22)	ND (<0.19)	ND (<0.22)	ND (<0.074)	ND (<0.097)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Indeno(1,2,3-cd)pyrene	**0.002**	ND (<0.22)	ND (<0.19)	ND (<0.22)	ND (<0.074)	ND (<0.097)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
2-Methylnaphthalene	**50**	ND (<0.22)	ND (<0.19)	ND (<0.22)	ND (<0.074)	ND (<0.097)	NA	NA	NA	NA	NA
Naphthalene	**10**	ND (<0.22)	ND (<0.19)	0.082 J	ND (<0.074)	ND (<0.097)	ND (<5.0)	ND (<5.0)	ND(<0.20)	ND(<0.20)	ND (<0.050)
Phenanthrene	**50**	ND (<0.22)	ND (<0.19)	ND (<0.22)	ND (<0.074)	ND (<0.097)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Pyrene	**50**	ND (<0.22)	ND (<0.19)	ND (<0.22)	0.0546 J	ND (<0.097)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	0.072

NYSDEC = New York State Department of Environmental Conservation
AWQS = Ambient Water Quality Standards
ND (<#) = Not Detected (# is laboratory reporting limit)
µg/L = Micrograms per Liter
Bolded = values indicate exceedance of the NYSDEC AWQS
NA = Not Analyzed For.
J = Estimated Value.

Table 6

Analytical Data Summary
MW-EPA-03R

Parameter	NYSDEC AWQS (µg/L)	July 2020	August 2020	October 2020	June 2021	October 2022	October 2024	January 2025	April 2025	July 2025	October 2025
Benzene	**1**	ND (<5.0)	ND (<5.0)	ND (<1.0)	ND (<0.50)	ND (<0.50)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Toluene	**5**	ND (<5.0)	ND (<5.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Ethylbenzene	**5**	ND (<5.0)	ND (<5.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Xylene (total)	**5**	ND	ND	ND	ND (<1.0)	ND (<1.0)	ND (<2.0)	0.81 J	ND (<2.0)	ND (<2.0)	ND (<2.0)
Acenaphthene	**20**	0.089 J	0.16 J	0.075 J	0.812	0.94	ND (<5.0)	3.5 J	2.8	3.2	2.1
Acenaphthylene	**NA**	ND (<0.22)	0.064 J	ND (<0.22)	0.898	1.25	ND (<5.0)	4.4 J	3.6	4.0	2.5
Anthracene	**NA**	ND (<0.22)	ND (<0.19)	ND (<0.22)	ND (<0.073)	ND (<0.098)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Benzo(a)anthracene	**0.002**	ND (<0.22)	ND (<0.19)	ND (<0.22)	ND (<0.036)	ND (<0.049)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Benzo(a)pyrene	**ND**	ND (<0.22)	ND (<0.19)	ND (<0.22)	ND (<0.036)	ND (<0.049)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Benzo(b)fluoranthene	**0.002**	ND (<0.22)	ND (<0.19)	ND (<0.22)	ND (<0.036)	ND (<0.049)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Benzo(g,h,i)perylene	**NA**	ND (<0.22)	ND (<0.19)	ND (<0.22)	ND (<0.073)	ND (<0.098)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Benzo(k)fluoranthene	**0.002**	ND (<0.22)	ND (<0.19)	ND (<0.22)	ND (<0.073)	ND (<0.098)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Chrysene	**0.002**	ND (<0.22)	ND (<0.19)	ND (<0.22)	ND (<0.073)	ND (<0.098)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Dibenzo(a,h)anthracene	**NA**	ND (<0.22)	ND (<0.19)	ND (<0.22)	ND (<0.073)	ND (<0.098)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Fluoranthene	**50**	ND (<0.22)	ND (<0.19)	ND (<0.22)	ND (<0.073)	ND (<0.098)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Fluorene	**50**	ND (<0.22)	ND (<0.19)	ND (<0.22)	0.0547 J	0.0778 J	ND (<5.0)	0.44 J	0.23	0.18	0.16
Indeno(1,2,3-cd)pyrene	**0.002**	ND (<0.22)	ND (<0.19)	ND (<0.22)	ND (<0.073)	ND (<0.098)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
2-Methylnaphthalene	**50**	0.065 J	0.073 J	ND (<0.22)	ND (<0.073)	ND (<0.098)	NA	NA	NA	NA	NA
Naphthalene	**10**	ND (<0.22)	ND (<0.19)	0.46	0.118	0.146	ND (<5.0)	ND (<5.0)	0.60	0.50	0.37
Phenanthrene	**50**	ND (<0.22)	ND (<0.19)	ND (<0.22)	ND (<0.073)	ND (<0.049)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Pyrene	**50**	ND (<0.22)	ND (<0.19)	ND (<0.22)	ND (<0.073)	ND (<0.098)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)

NYSDEC = New York State Department of Environmental Conservation
AWQS = Ambient Water Quality Standards
ND (<#) = Not Detected (# is laboratory reporting limit)
µg/L = Micrograms per Liter
Bolded = values indicate exceedance of the NYSDEC AWQS
NA = Not Analyzed For.
J = Estimated Value.

Table 6

Analytical Data Summary
Old Red Spring Sampling Location

Parameter	NYSDEC AWQS (µg/L)	All Sampling Quarters in 2010-2018	October 2019	All Sampling Quarters in 2020	All Sampling Quarters in 2021	All Sampling Quarters in 2022	All Sampling Quarters in 2023	All Sampling Quarters in 2024	January 2025	April 2025	July 2025	October 2025
Benzene	**1**	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Toluene	**5**	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Ethylbenzene	**5**	ND (<2.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Xylene (total)	**5**	ND (<4.7)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)
Acenaphthene	**20**	ND (<4.7)	ND (<0.097)	ND (<0.11)	ND (<0.10)	ND (<0.11)	ND (<0.10)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Acenaphthylene	**NA**	ND (<4.7)	ND (<0.097)	ND (<0.11)	ND (<0.10)	ND (<0.11)	ND (<0.10)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Anthracene	**NA**	ND (<4.7)	ND (<0.097)	ND (<0.11)	ND (<0.10)	ND (<0.11)	ND (<0.10)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Benzo(a)anthracene	**0.002**	ND (<4.7)	ND (<0.097)	ND (<0.11)	ND (<0.10)	ND (<0.11)	ND (<0.10)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Benzo(a)pyrene	**ND**	ND (<4.7)	ND (<0.097)	ND (<0.11)	ND (<0.10)	ND (<0.11)	ND (<0.10)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Benzo(b)fluoranthene	**0.002**	ND (<4.7)	ND (<0.097)	ND (<0.11)	ND (<0.10)	ND (<0.11)	ND (<0.10)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Benzo(g,h,i)perylene	**NA**	ND (<4.7)	ND (<0.097)	ND (<0.11)	ND (<0.10)	ND (<0.11)	ND (<0.10)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Benzo(k)fluoranthene	**0.002**	ND (<4.7)	ND (<0.097)	ND (<0.11)	ND (<0.10)	ND (<0.11)	ND (<0.10)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Chrysene	**0.002**	ND (<4.7)	ND (<0.097)	ND (<0.11)	ND (<0.10)	ND (<0.11)	ND (<0.10)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Dibenzo(a,h)anthracene	**NA**	ND (<4.7)	ND (<0.097)	ND (<0.11)	ND (<0.10)	ND (<0.11)	ND (<0.10)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Fluoranthene	**50**	ND (<4.7)	ND (<0.097)	ND (<0.11)	ND (<0.10)	ND (<0.11)	ND (<0.10)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Fluorene	**50**	ND (<4.7)	ND (<0.097)	ND (<0.11)	ND (<0.10)	ND (<0.11)	ND (<0.10)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Indeno(1,2,3-cd)pyrene	**0.002**	ND (<4.7)	ND (<0.097)	ND (<0.11)	ND (<0.10)	ND (<0.11)	ND (<0.10)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
2-Methylnaphthalene	**50**	ND (<4.7)	ND (<0.097)	ND (<0.11)	ND (<0.10)	ND (<0.11)	ND (<0.10)	NA	NA	NA	NA	NA
Naphthalene	**10**	ND (<4.7)	ND (<0.097)	ND (<0.11)	ND (<0.10)	ND (<0.11)	ND (<0.10)	ND (<5.0)	ND (<5.0)	ND(<0.20)	ND(<0.20)	ND(<0.20)
Phenanthrene	**50**	ND (<4.7)	ND (<0.097)	ND (<0.11)	ND (<0.10)	ND (<0.11)	ND (<0.10)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)
Pyrene	**50**	ND (<4.7)	ND (<0.097)	ND (<0.11)	ND (<0.10)	ND (<0.11)	ND (<0.10)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)	ND (<0.050)

NYSDEC = New York State Department of Environmental Conservation
AWQS = Ambient Water Quality Standards
ND (<#) = Not Detected (# is laboratory reporting limit)
µg/L = Micrograms per Liter
Bolded = values indicate exceedance of the NYSDEC AWQS
NA = Not Analyzed For.
J = Estimated Value.

Table 6

Analytical Data Summary
Manhole-1

Parameter	NYSDEC AWQS (µg/L)	All Sampling Quarters in 2010-2019	January 2020	June 2020	July 2020	October 2020	January 2021	April 2021	July 2021	October 2021	January 2022	April 2022	July 2022	October 2022	January 2023	April 2023	July 2023	October 2023	January 2024	April 2024	July 2024	October 2024	January 2025	April 2025	July 2025	October 2025
Benzene	**1**	ND (<1.0)	ND (<1.0)	**3.5**	**1.4**	ND (<1.0)	**12.3**	**16.7**	**2.2**	ND (<1.0)	**2.1**	**1.7**	**7.3**	**4.7**	**4.9**	**18.7**	**5.4**	ND (<1.0)	**6.1**	**9.4**	**3.5**	ND (<1.0)	**9.9**	**3.2**	**10**	**6.3**
Toluene	**5**	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Ethylbenzene	**5**	ND (<2.0)	ND (<1.0)	1.5	ND (<1.0)	ND (<1.0)	3.9	6.3	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	3.1	1.5	2.5	**5.6**	**2.4**	ND (<1.0)	3.3	3.8	2.1	ND (<1.0)	3.7	1.1	**5.1**	0.94 J
Xylene (total)	**5**	ND (<4.7)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<3.0)	ND (<1.0)	ND (<3.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	0.76 J	ND(<2.0)	ND(<2.0)	ND(<2.0)
Acenaphthene	**20**	ND (<4.8)	ND (<0.098)	ND (<0.11)	0.14	1.9	11.8	11.6	11.8	8.1	6.1	1.1	1.1	11.3	ND (<0.083)	7.7	6.3	ND (<0.0525)	18	7.7	15	9.2	16	1.4	ND (<0.050)	0.45
Acenaphthylene	**NA**	ND (<4.8)	ND (<0.098)	ND (<0.11)	0.11	0.23	1.1	1.1	1.3	0.72	0.47	ND (<0.096)	0.13	1.2	ND (<0.083)	0.71	0.52	ND (<0.0525)	1.7 J	0.69 J	1.4 J	0.73 J	1.4 J	0.11	0.044 J	0.065
Anthracene	**NA**	ND (<4.8)	ND (<0.098)	ND (<0.11)	ND (<0.095)	ND (<0.097)	0.36	0.34	0.45	0.12	ND (<0.099)	ND (<0.096)	ND (<0.098)	0.31	ND (<0.083)	0.23	ND (<0.18)	ND (<0.0525)	0.31 J	0.31 J	0.32 J	ND (<5.0)	0.55 J	0.027 J	0.060	0.050
Benzo(a)anthracene	**0.002**	ND (<4.8)	ND (<0.098)	ND (<0.11)	ND (<0.095)	ND (<0.097)	**0.17**	ND (<0.11)	ND (<0.099)	ND (<0.098)	**0.13**	ND (<0.096)	**0.12**	ND (<0.11)	ND (<0.083)	ND (<0.10)	ND (<0.045)	ND (<0.0525)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	0.028 J	ND (<0.050)	ND (<0.050)
Benzo(a)pyrene	**ND**	ND (<4.8)	ND (<0.098)	ND (<0.11)	ND (<0.095)	ND (<0.097)	**0.15**	ND (<0.11)	ND (<0.099)	ND (<0.098)	**0.16**	ND (<0.096)	ND (<0.098)	ND (<0.11)	ND (<0.083)	ND (<0.10)	ND (<0.090)	ND (<0.0525)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	0.027 J	ND (<0.050)	ND (<0.050)
Benzo(b)fluoranthene	**0.002**	ND (<4.8)	ND (<0.098)	ND (<0.11)	ND (<0.095)	ND (<0.097)	**0.22**	ND (<0.11)	ND (<0.099)	ND (<0.098)	**0.38**	**0.12**	**0.18**	ND (<0.11)	ND (<0.083)	**0.12**	ND (<0.045)	ND (<0.0525)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	**0.051**	ND (<0.050)	ND (<0.050)
Benzo(g,h,i)perylene	**NA**	ND (<4.8)	ND (<0.098)	ND (<0.11)	ND (<0.095)	ND (<0.097)	ND (<0.10)	ND (<0.11)	ND (<0.099)	ND (<0.098)	0.15	ND (<0.096)	ND (<0.098)	ND (<0.11)	ND (<0.083)	ND (<0.10)	ND (<0.45)	ND (<0.0525)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)
Benzo(k)fluoranthene	**0.002**	ND (<4.8)	ND (<0.098)	ND (<0.11)	ND (<0.095)	ND (<0.097)	**0.19**	ND (<0.11)	ND (<0.099)	ND (<0.098)	**0.39**	**0.11**	**0.16**	ND (<0.11)	ND (<0.083)	**0.11**	ND (<0.18)	ND (<0.263)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)
Chrysene	**0.002**	ND (<4.8)	ND (<0.098)	ND (<0.11)	ND (<0.095)	ND (<0.097)	**0.15**	ND (<0.11)	ND (<0.099)	ND (<0.098)	**0.26**	**0.10**	**0.13**	ND (<0.11)	ND (<0.083)	ND (<0.10)	ND (<0.18)	ND (<0.0525)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	**0.054**	ND (<0.050)	ND (<0.050)
Dibenzo(a,h)anthracene	**NA**	ND (<4.8)	ND (<0.098)	ND (<0.11)	ND (<0.095)	ND (<0.097)	ND (<0.10)	ND (<0.11)	ND (<0.099)	ND (<0.098)	ND (<0.099)	ND (<0.096)	ND (<0.098)	ND (<0.11)	ND (<0.083)	ND (<0.10)	ND (<0.090)	ND (<0.0525)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)
Fluoranthene	**50**	ND (<4.8)	ND (<0.098)	0.17	0.35	0.38	1.2	0.72	1.4	0.91	1.4	0.45	1.1	1.2	ND (<0.083)	0.95	0.92	0.0535	1.1 J	0.62 J	1.7 J	1.4 J	1.3 J	0.27	0.19	0.49
Fluorene	**50**	ND (<4.8)	ND (<0.098)	ND (<0.11)	ND (<0.095)	0.16	2.5	2.3	2.7	0.84	0.18	ND (<0.096)	0.11	1.6	ND (<0.083)	1.3	ND (<0.90)	ND (<0.0525)	3.8 J	1.7 J	3.0 J	0.66 J	3.6 J	0.049 J	ND (<0.050)	ND (<0.050)
Indeno(1,2,3-cd)pyrene	**0.002**	ND (<4.8)	ND (<0.098)	ND (<0.11)	ND (<0.11)	ND (<0.097)	ND (<0.10)	ND (<0.11)	ND (<0.099)	ND (<0.098)	**0.14**	ND (<0.096)	ND (<0.098)	ND (<0.11)	ND (<0.083)	ND (<0.10)	ND (<0.090)	ND (<0.0525)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<0.050)	ND (<0.050)
2-Methylnaphthalene	**50**	ND (<4.8)	ND (<0.098)	ND (<0.11)	ND (<0.11)	ND (<0.097)	ND (<0.10)	ND (<0.11)	ND (<0.099)	ND (<0.098)	ND (<0.099)	ND (<0.096)	ND (<0.098)	ND (<0.11)	ND (<0.083)	ND (<0.10)	ND (<0.90)	ND (<0.525)	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	**10**	ND (<4.8)	ND (<0.098)	ND (<0.11)	ND (<0.11)	ND (<0.097)	3.4	5.8	0.54	ND (<0.098)	ND (<0.099)	ND (<0.096)	ND (<0.098)	0.31	ND (<0.083)	0.40	ND (<0.90)	ND (<0.525)	**16**	6.4	2.1 J	ND (<5.0)	**16**	ND(<0.20)	ND(<0.20)	ND(<0.20)
Phenanthrene	**50**	ND (<4.8)	ND (<0.098)	ND (<0.11)	ND (<0.11)	ND (<0.097)	1.0	1.4	1.6	ND (<0.098)	0.26	0.13	ND (<0.098)	0.52	ND (<0.083)	0.16	0.33	ND (<0.0525)	2.4 J	1.1 J	1.9 J	ND (<5.0)	2.5 J	0.071	0.022 J	ND (<0.050)
Pyrene	**50**	ND (<4.8)	ND (<0.098)	0.25	0.49	0.4	1.4	0.97	1.7	1.1	1.4	0.44	1.1	1.7	ND (<0.083)	1.1	ND (<0.90)	ND (<0.0525)	1.5 J	0.87 J	2.0 J	1.9 J	1.6 J	0.27	0.54	0.74

NYSDEC = New York State Department of Environmental Conservation
AWQS = Ambient Water Quality Standards
ND (<#) = Not Detected (# is laboratory reporting limit)
µg/L = Micrograms per Liter
Bolded = values indicate exceedance of the NYSDEC AWQS
NA = Not Analyzed For.

Appendix A – Monthly Water Treatment System and Site Inspection Forms

Monthly System Operation Record
Excelsior Avenue, Former MGP Site
Saratoga Springs, New York

Date: 12/3/2025 Time: 1200

Technician: KL Weather: sunny 30

Building Security					
Main Gate Secure		Side Gate Secure		Building Secure	
YES	NO	YES	NO	YES	NO

System Operating		
Continuous Mode		Hours Per Day
YES	NO	4

System Discharge Meter		Saratoga Springs Meter	
Totalizer-Month	Gallons per minute	Cubic Feet	Gallons
5200.20	16.60	530211.90	3,965,985

Pumps

WELL ID.	DTW	DTP	DTB	Flow Rate	Vault Locked		Check Piping for Leaks		Check Control Panel		Pump Pulled and Cleaned		Due	Comments
PW-1	N/A	N/A	19.80	N/A gpm	YES	NO	YES	NO	YES	NO	YES	NO	Annual-June	
PW-2	N/A	N/A	19.00	N/A gpm	YES	NO	YES	NO	YES	NO	YES	NO		
PW-3	N/A	N/A	18.00	N/A gpm	YES	NO	YES	NO	YES	NO	YES	NO		
PW-4	N/A	N/A	15.70	N/A gpm	YES	NO	YES	NO	YES	NO	YES	NO		
PW-5	N/A	N/A	21.50	N/A gpm	YES	NO	YES	NO	YES	NO	YES	NO		

Pumps are removed from well, visual inspection and cleaned annually.

O/W Separator (OWS-100)

Visual Check for Leaks		Inspect and Clean Probes		Probes Work Correctly		Adjust Collection Weir		Change Top Sorbant Pad		Drain and Clean	
YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO
						As Needed.		*As Needed.*		*Annual-June*	

Holding Tank (HT-200)

Visual Check for Leaks		Inspect and Clean Probes		Probes Work Correctly	
YES	NO	YES	NO	YES	NO

Tank capacity is 380 gallons.

Transfer Pump TP-200

Check for Leaks		Check Motor	
YES	NO	YES	NO

Annual-December

Bag Filters

Bag Filter	Pressure (psi)		Check Filter		Change Filter		Add Sorbant Pads to Filter		Any DNAPL in the Bottom of the Filter		Check Pressure Switch		Spare Bag Filters
	In	Out											
BF-300	33.3	32	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	28
BF-301	n/a	n/a	YES	NO	YES	NO	YES	NO	YES	NO			

Metering Pumps

Metering Pumps	Speed	Stroke	Check Tubing		Clean Pump Head Assy.		Clean Check Valve	
MP-600	25	40	YES	NO	YES	NO	YES	NO
MP-601	25	40	YES	NO	YES	NO	YES	NO

Every 6 months June & December

Sequestering/Biocide Drums

Check for Leaks		Level In drum	Spare Drums on Site	
YES	NO	1.3 inches	Redux 340	1
YES	NO	1.0 inches	Redux 620	1

Carbon Vessels

Carbon Vessels	Pressure (psi)		Check Vessel for Leaks		Check Hoses for Leaks	
LGAC-300	PG-300	26.2	YES	NO	YES	NO
LGAC-301	PG-301	21.5	YES	NO	YES	NO
LGAC-302	PG-302	18.6	YES	NO	YES	NO

Blower B-500

Operating Odor Control		Check for Leaks		Check Motor	
YES	NO	YES	NO	YES	NO

Annual-December

Odor Control Drum

Check for Leaks		Influent	Effluent
YES	NO	*N/A* ppm	*N/A* ppm

Monthly System Operation Record
Excelsior Avenue, Former MGP Site
Saratoga Springs, New York

Date: 12/3/2025 Technician: KL

DNAPL Recovery and Storage Tank (HT-500)-Not Used					
Visual Check for leaks		Inspect and Clean Probes	Probes Work Correctly	Total Product in Tank	Cumulative Total
YES	NO	N/A	N/A	0 inches	0 gallons

Heaters and Air Ventilation					
Heat On		Heat Set At	Power Vent Roof Exhaust		Auto Set At?
YES	NO	65	YES	NO	80 ˚F

OWS DNAPL Recovery					
Amount of DNAPL drained from OWS placed in a 55 gallon drum		Cumulative Total for 2025		Cumulative Total	
0.25	Gallons	3	Gallons	290.75	Gallons

Floor Sump					
Inspect and Clean Probe		Probe Works Correctly		Does Sump Need Cleaning	
YES	NO	YES	NO	YES	NO

Health and Safety									
HASP Onsite		First Aid kit Onsite		Eye Wash Working		Onsite Fire Extinguishers		Emergency Lighting Ok	
YES	NO	YES	NO	YES	NO	YES	NO	YES	NO

Drums Stored Inside the Building		
Drum Identification	Drum Contents	Accumulation Start Date
Drum #42	DNAPL	1/8/2025
Drum #43	PPE/Pads/Booms	1/8/2025
Drum #44	Arcadis sampling waste	10/28/2025

Comments:

System is running for 4 hours per day.

Pumped 1.5 gallons from PW-5

Monthly System Operation Record
Excelsior Avenue, Former MGP Site
Saratoga Springs, New York

Date: 12/3/2025 Technician: KL

Storm Sewer System			
Item	Checked		Comments
Manhole - 1	YES	NO	
Catch Basin - 2	YES	NO	
Catch Basin - 3	YES	NO	
Catch Basin - 4	YES	NO	
Catch Basin - 5	YES	NO	
Catch Basin - 5A	YES	NO	
Catch Basin - 6	YES	NO	
Catch Basin - 7	YES	NO	
Catch Basin - 8	YES	NO	
Catch Basin - 9	YES	NO	
Catch Basin - 11	YES	NO	
Catch Basin - 12	YES	NO	
Catch Basin - 13	YES	NO	
Catch Basin - 13A	YES	NO	
Catch Basin - 14	YES	NO	
Catch Basin - 15	YES	NO	

Asphalt Cap			
Item	Checked		Comments
Former MGP Site	YES	NO	
Former Spa Steel Site	YES	NO	

Old Red Spring			
Item	Checked		Comments
Fountain	YES	NO	

Security Fence			
Item	Checked		Comments
Former MGP Site	YES	NO	

Vegetation			
Item	Checked		Comments
Former MGP Site	YES	NO	
Former Skating Rink	YES	NO	

NG Gas Operations has an on-site office trailer.

NG Warehousing stores transformers on-site in a fenced in area.

Monthly System Operation Record
Excelsior Avenue, Former MGP Site
Saratoga Springs, New York

Date: 11/2/2025 Time: 1230

Technician: KL Weather: cloudy 54

Building Security					
Main Gate Secure		Side Gate Secure		Building Secure	
YES	NO	YES	NO	YES	NO

System Operating		
Continuous Mode		Hours Per Day
YES	NO	4

System Discharge Meter		Saratoga Springs Meter	
Totalizer-Month	Gallons per minute	Cubic Feet	Gallons
5301.00	16.60	527839.71	3,948,241

Pumps

WELL ID.	DTW	DTP	DTB	Flow Rate	Vault Locked		Check Piping for Leaks		Check Control Panel		Pump Pulled and Cleaned		Due	Comments
PW-1	N/A	N/A	19.80	N/A gpm	YES	NO	YES	NO	YES	NO	YES	NO	Annual-June	
PW-2	N/A	N/A	19.00	N/A gpm	YES	NO	YES	NO	YES	NO	YES	NO		
PW-3	N/A	N/A	18.00	N/A gpm	YES	NO	YES	NO	YES	NO	YES	NO		
PW-4	N/A	N/A	15.70	N/A gpm	YES	NO	YES	NO	YES	NO	YES	NO		
PW-5	N/A	N/A	21.50	N/A gpm	YES	NO	YES	NO	YES	NO	YES	NO		

Pumps are removed from well, visual inspection and cleaned annually.

O/W Separator (OWS-100)

Visual Check for Leaks		Inspect and Clean Probes		Probes Work Correctly		Adjust Collection Weir		Change Top Sorbant Pad		Drain and Clean	
YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO
						As Needed.		*As Needed.*		*Annual-June*	

Holding Tank (HT-200)

Visual Check for Leaks		Inspect and Clean Probes		Probes Work Correctly	
YES	NO	YES	NO	YES	NO

Tank capacity is 380 gallons.

Transfer Pump TP-200

Check for Leaks		Check Motor	
YES	NO	YES	NO

Annual-December

Bag Filters

Bag Filter	Pressure (psi)		Check Filter		Change Filter		Add Sorbant Pads to Filter		Any DNAPL in the Bottom of the Filter		Check Pressure Switch		Spare Bag Filters
	In	Out											
BF-300	33.6	17.6	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	28
BF-301	n/a	n/a	YES	NO	YES	NO	YES	NO	YES	NO			

Metering Pumps

Metering Pumps	Speed	Stroke	Check Tubing		Clean Pump Head Assy.		Clean Check Valve	
MP-600	25	40	YES	NO	YES	NO	YES	NO
MP-601	25	40	YES	NO	YES	NO	YES	NO

Every 6 months June & December

Sequestering/Biocide Drums

Check for Leaks		Level In drum	Spare Drums on Site	
YES	NO	4.4 inches	Redux 340	2
YES	NO	3.1 inches	Redux 620	2

Carbon Vessels

Carbon Vessels	Pressure (psi)		Check Vessel for Leaks		Check Hoses for Leaks	
LGAC-300	PG-300	26.0	YES	NO	YES	NO
LGAC-301	PG-301	21.5	YES	NO	YES	NO
LGAC-302	PG-302	18.6	YES	NO	YES	NO

Blower B-500

Operating Odor Control		Check for Leaks		Check Motor	
YES	NO	YES	NO	YES	NO

Annual-December

Odor Control Drum

Check for Leaks		Influent	Effluent
YES	NO	*N/A* ppm	*N/A* ppm

Monthly System Operation Record
Excelsior Avenue, Former MGP Site
Saratoga Springs, New York

Date: 11/5/2025 Technician: KL

DNAPL Recovery and Storage Tank (HT-500)-Not Used					
Visual Check for leaks		Inspect and Clean Probes	Probes Work Correctly	Total Product in Tank	Cumulative Total
YES	NO	N/A	N/A	0 inches	0 gallons

Heaters and Air Ventilation					
Heat On		Heat Set At	Power Vent Roof Exhaust		Auto Set At?
YES	NO	65	YES	NO	80 ˚F

OWS DNAPL Recovery					
Amount of DNAPL drained from OWS placed in a 55 gallon drum		Cumulative Total for 2025		Cumulative Total	
0.25	Gallons	2.75	Gallons	290.50	Gallons

Floor Sump					
Inspect and Clean Probe		Probe Works Correctly		Does Sump Need Cleaning	
YES	NO	YES	NO	YES	NO

Health and Safety									
HASP Onsite		First Aid kit Onsite		Eye Wash Working		Onsite Fire Extinguishers		Emergency Lighting Ok	
YES	NO	YES	NO	YES	NO	YES	NO	YES	NO

Drums Stored Inside the Building		
Drum Identification	Drum Contents	Accumulation Start Date
Drum #42	DNAPL	1/8/2025
Drum #43	PPE/Pads/Booms	1/8/2025
Drum #44	Arcadis sampling waste	10/28/2025

Comments:

System is running for 4 hours per day.

Pumped 1.5 gallons from PW-5

Monthly System Operation Record
Excelsior Avenue, Former MGP Site
Saratoga Springs, New York

Date: 11/5/2025 Technician: KL

Storm Sewer System			
Item	Checked		Comments
Manhole - 1	YES	NO	
Catch Basin - 2	YES	NO	
Catch Basin - 3	YES	NO	
Catch Basin - 4	YES	NO	
Catch Basin - 5	YES	NO	
Catch Basin - 5A	YES	NO	
Catch Basin - 6	YES	NO	
Catch Basin - 7	YES	NO	
Catch Basin - 8	YES	NO	
Catch Basin - 9	YES	NO	
Catch Basin - 11	YES	NO	
Catch Basin - 12	YES	NO	
Catch Basin - 13	YES	NO	
Catch Basin - 13A	YES	NO	
Catch Basin - 14	YES	NO	
Catch Basin - 15	YES	NO	

Asphalt Cap			
Item	Checked		Comments
Former MGP Site	YES	NO	
Former Spa Steel Site	YES	NO	

Old Red Spring			
Item	Checked		Comments
Fountain	YES	NO	

Security Fence			
Item	Checked		Comments
Former MGP Site	YES	NO	

Vegetation			
Item	Checked		Comments
Former MGP Site	YES	NO	
Former Skating Rink	YES	NO	

NG Gas Operations has an on-site office trailer. Moved to new location to the direct east.

NG Warehousing stores transformers on-site in a fenced in area.

Monthly System Operation Record
Excelsior Avenue, Former MGP Site
Saratoga Springs, New York

Date: 10/1/2025 Time: 1100

Technician: KL Weather: Sunny 70

Building Security					
Main Gate Secure		Side Gate Secure		Building Secure	
YES	NO	YES	NO	YES	NO

System Operating		
Continuous Mode		Hours Per Day
YES	NO	4

System Discharge Meter		Saratoga Springs Meter	
Totalizer-Month	Gallons per minute	Cubic Feet	Gallons
3981.00	16.20	524955.64	3,926,668

Pumps

WELL ID.	DTW	DTP	DTB	Flow Rate	Vault Locked		Check Piping for Leaks		Check Control Panel		Pump Pulled and Cleaned		Due	Comments
PW-1	N/A	N/A	19.80	N/A gpm	YES	NO	YES	NO	YES	NO	YES	NO	Annual-June	
PW-2	N/A	N/A	19.00	N/A gpm	YES	NO	YES	NO	YES	NO	YES	NO		
PW-3	N/A	N/A	18.00	N/A gpm	YES	NO	YES	NO	YES	NO	YES	NO		
PW-4	N/A	N/A	15.70	N/A gpm	YES	NO	YES	NO	YES	NO	YES	NO		
PW-5	N/A	N/A	21.50	N/A gpm	YES	NO	YES	NO	YES	NO	YES	NO		

Pumps are removed from well, visual inspection and cleaned annually.

O/W Separator (OWS-100)

Visual Check for Leaks		Inspect and Clean Probes		Probes Work Correctly		Adjust Collection Weir		Change Top Sorbant Pad		Drain and Clean	
YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO
						As Needed.		*As Needed.*		*Annual-June*	

Holding Tank (HT-200)

Visual Check for Leaks		Inspect and Clean Probes		Probes Work Correctly	
YES	NO	YES	NO	YES	NO

Tank capacity is 380 gallons.

Transfer Pump TP-200

Check for Leaks		Check Motor	
YES	NO	YES	NO

Annual-December

Bag Filters

Bag Filter	Pressure (psi)		Check Filter		Change Filter		Add Sorbant Pads to Filter		Any DNAPL in the Bottom of the Filter		Check Pressure Switch		Spare Bag Filters
	In	Out											
BF-300	33.6	17.6	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	30
BF-301	n/a	n/a	YES	NO	YES	NO	YES	NO	YES	NO			

Metering Pumps

Metering Pumps	Speed	Stroke	Check Tubing		Clean Pump Head Assy.		Clean Check Valve	
MP-600	25	40	YES	NO	YES	NO	YES	NO
MP-601	25	40	YES	NO	YES	NO	YES	NO

Every 6 months June & December

Sequestering/Biocide Drums

Check for Leaks		Level In drum	Spare Drums on Site	
YES	NO	6.9 inches	Redux 340	2
YES	NO	5.6 inches	Redux 620	2

Carbon Vessels

Carbon Vessels	Pressure (psi)		Check Vessel for Leaks		Check Hoses for Leaks	
LGAC-300	PG-300	24.3	YES	NO	YES	NO
LGAC-301	PG-301	21.5	YES	NO	YES	NO
LGAC-302	PG-302	17.6	YES	NO	YES	NO

Blower B-500

Operating Odor Control		Check for Leaks		Check Motor	
YES	NO	YES	NO	YES	NO

Annual-December

Odor Control Drum

Check for Leaks		Influent	Effluent
YES	NO	*N/A* ppm	*N/A* ppm

Monthly System Operation Record
Excelsior Avenue, Former MGP Site
Saratoga Springs, New York

Date: 10/1/2025 Technician: KL

DNAPL Recovery and Storage Tank (HT-500)-Not Used					
Visual Check for leaks		Inspect and Clean Probes	Probes Work Correctly	Total Product in Tank	Cumulative Total
YES	NO	N/A	N/A	0 inches	0 gallons

Heaters and Air Ventilation					
Heat On		Heat Set At	Power Vent Roof Exhaust		Auto Set At?
YES	NO	N/A	YES	NO	80 ˚F

OWS DNAPL Recovery					
Amount of DNAPL drained from OWS placed in a 55 gallon drum		Cumulative Total for 2025		Cumulative Total	
0.25	Gallons	2..5	Gallons	290.25	Gallons

Floor Sump					
Inspect and Clean Probe		Probe Works Correctly		Does Sump Need Cleaning	
YES	NO	YES	NO	YES	NO

Health and Safety									
HASP Onsite		First Aid kit Onsite		Eye Wash Working		Onsite Fire Extinguishers		Emergency Lighting Ok	
YES	NO	YES	NO	YES	NO	YES	NO	YES	NO

Drums Stored Inside the Building		
Drum Identification	Drum Contents	Accumulation Start Date
Drum #42	DNAPL	1/8/2025
Drum #43	PPE/Pads/Booms	1/8/2025

Comments:

System is running for 4 hours per day.

Pumped 1.5 gallons from PW-5

Monthly System Operation Record
Excelsior Avenue, Former MGP Site
Saratoga Springs, New York

Date: 10/1/2025 Technician: KL

Storm Sewer System			
Item	Checked		Comments
Manhole - 1	YES	NO	
Catch Basin - 2	YES	NO	
Catch Basin - 3	YES	NO	
Catch Basin - 4	YES	NO	
Catch Basin - 5	YES	NO	
Catch Basin - 5A	YES	NO	
Catch Basin - 6	YES	NO	
Catch Basin - 7	YES	NO	
Catch Basin - 8	YES	NO	
Catch Basin - 9	YES	NO	
Catch Basin - 11	YES	NO	
Catch Basin - 12	YES	NO	
Catch Basin - 13	YES	NO	
Catch Basin - 13A	YES	NO	
Catch Basin - 14	YES	NO	
Catch Basin - 15	YES	NO	

Asphalt Cap			
Item	Checked		Comments
Former MGP Site	YES	NO	
Former Spa Steel Site	YES	NO	

Old Red Spring			
Item	Checked		Comments
Fountain	YES	NO	

Security Fence			
Item	Checked		Comments
Former MGP Site	YES	NO	

Vegetation			
Item	Checked		Comments
Former MGP Site	YES	NO	
Former Skating Rink	YES	NO	

NG Gas Operations has an on-site office trailer.

NG Warehousing stores transformers on-site in a fenced in area.

Monthly System Operation Record
Excelsior Avenue, Former MGP Site
Saratoga Springs, New York

Date: 9/3/2025 Time: 830

Technician: TB Weather: Sunny 76

Building Security					
Main Gate Secure		Side Gate Secure		Building Secure	
YES	NO	YES	NO	YES	NO

System Operating		
Continuous Mode		Hours Per Day
YES	NO	4

System Discharge Meter		Saratoga Springs Meter	
Totalizer-Month	Gallons per minute	Cubic Feet	Gallons
4433.00	16.70	522984.26	3,911,922

Pumps

WELL ID.	DTW	DTP	DTB	Flow Rate	Vault Locked		Check Piping for Leaks		Check Control Panel		Pump Pulled and Cleaned		Due	Comments
PW-1	N/A	N/A	19.80	N/A gpm	YES	NO	YES	NO	YES	NO	YES	NO	Annual-June	
PW-2	N/A	N/A	19.00	N/A gpm	YES	NO	YES	NO	YES	NO	YES	NO		
PW-3	N/A	N/A	18.00	N/A gpm	YES	NO	YES	NO	YES	NO	YES	NO		
PW-4	N/A	N/A	15.70	N/A gpm	YES	NO	YES	NO	YES	NO	YES	NO		
PW-5	N/A	N/A	21.50	N/A gpm	YES	NO	YES	NO	YES	NO	YES	NO		

Pumps are removed from well, visual inspection and cleaned annually.

O/W Separator (OWS-100)

Visual Check for Leaks		Inspect and Clean Probes		Probes Work Correctly		Adjust Collection Weir		Change Top Sorbant Pad		Drain and Clean	
YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO
						As Needed.		*As Needed.*		*Annual-June*	

Holding Tank (HT-200)

Visual Check for Leaks		Inspect and Clean Probes		Probes Work Correctly	
YES	NO	YES	NO	YES	NO

Tank capacity is 380 gallons.

Transfer Pump TP-200

Check for Leaks		Check Motor	
YES	NO	YES	NO

Annual-December

Bag Filters

Bag Filter	Pressure (psi)		Check Filter		Change Filter		Add Sorbant Pads to Filter		Any DNAPL in the Bottom of the Filter		Check Pressure Switch		Spare Bag Filters
	In	Out											
BF-300	32.6	21.7	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	32
BF-301	n/a	n/a	YES	NO	YES	NO	YES	NO	YES	NO			

Metering Pumps

Metering Pumps	Speed	Stroke	Check Tubing		Clean Pump Head Assy.		Clean Check Valve	
MP-600	25	40	YES	NO	YES	NO	YES	NO
MP-601	25	40	YES	NO	YES	NO	YES	NO

Every 6 months June & December

Sequestering/Biocide Drums

Check for Leaks		Level In drum	Spare Drums on Site	
YES	NO	8.9 inches	Redux 340	2
YES	NO	7.6 inches	Redux 620	2

Carbon Vessels

Carbon Vessels	Pressure (psi)		Check Vessel for Leaks		Check Hoses for Leaks	
LGAC-300	PG-300	25.4	YES	NO	YES	NO
LGAC-301	PG-301	21.5	YES	NO	YES	NO
LGAC-302	PG-302	18.5	YES	NO	YES	NO

Blower B-500

Operating Odor Control		Check for Leaks		Check Motor	
YES	NO	YES	NO	YES	NO

Annual-December

Odor Control Drum

Check for Leaks		Influent	Effluent
YES	NO	*N/A* ppm	*N/A* ppm

Monthly System Operation Record
Excelsior Avenue, Former MGP Site
Saratoga Springs, New York

Date: 9/3/2025 Technician: TB

DNAPL Recovery and Storage Tank (HT-500)-Not Used					
Visual Check for leaks		Inspect and Clean Probes	Probes Work Correctly	Total Product in Tank	Cumulative Total
YES	NO	N/A	N/A	0 inches	0 gallons

Heaters and Air Ventilation					
Heat On		Heat Set At	Power Vent Roof Exhaust		Auto Set At?
YES	NO	N/A	YES	NO	80 ˚F

OWS DNAPL Recovery					
Amount of DNAPL drained from OWS placed in a 55 gallon drum		Cumulative Total for 2025		Cumulative Total	
0.25	Gallons	2.25	Gallons	290.00	Gallons

Floor Sump					
Inspect and Clean Probe		Probe Works Correctly		Does Sump Need Cleaning	
YES	NO	YES	NO	YES	NO

Health and Safety									
HASP Onsite		First Aid kit Onsite		Eye Wash Working		Onsite Fire Extinguishers		Emergency Lighting Ok	
YES	NO	YES	NO	YES	NO	YES	NO	YES	NO

Drums Stored Inside the Building		
Drum Identification	Drum Contents	Accumulation Start Date
Drum #42	DNAPL	1/8/2025
Drum #43	PPE/Pads/Booms	1/8/2025

Comments:

System is running for 4 hours per day.

Pumped 1.5 gallons from PW-5

Monthly System Operation Record
Excelsior Avenue, Former MGP Site
Saratoga Springs, New York

Date: 9/3/2025 Technician: TB

Storm Sewer System			
Item	Checked		Comments
Manhole - 1	YES	NO	
Catch Basin - 2	YES	NO	
Catch Basin - 3	YES	NO	
Catch Basin - 4	YES	NO	
Catch Basin - 5	YES	NO	
Catch Basin - 5A	YES	NO	
Catch Basin - 6	YES	NO	
Catch Basin - 7	YES	NO	
Catch Basin - 8	YES	NO	
Catch Basin - 9	YES	NO	
Catch Basin - 11	YES	NO	
Catch Basin - 12	YES	NO	
Catch Basin - 13	YES	NO	
Catch Basin - 13A	YES	NO	
Catch Basin - 14	YES	NO	
Catch Basin - 15	YES	NO	

Asphalt Cap			
Item	Checked		Comments
Former MGP Site	YES	NO	
Former Spa Steel Site	YES	NO	

Old Red Spring			
Item	Checked		Comments
Fountain	YES	NO	

Security Fence			
Item	Checked		Comments
Former MGP Site	YES	NO	

Vegetation			
Item	Checked		Comments
Former MGP Site	YES	NO	
Former Skating Rink	YES	NO	

NG Gas Operations has an on-site office trailer.

NG Warehousing stores transformers on-site in a fenced in area.

Monthly System Operation Record
Excelsior Avenue, Former MGP Site
Saratoga Springs, New York

Date: 8/6/2025 Time: 1030

Technician: KL Weather: Sunny 76

Building Security					
Main Gate Secure		Side Gate Secure		Building Secure	
YES	NO	YES	NO	YES	NO

System Operating		
Continuous Mode		Hours Per Day
YES	NO	4

System Discharge Meter		Saratoga Springs Meter	
Totalizer-Month	Gallons per minute	Cubic Feet	Gallons
4673.00	16.50	520722.01	3,895,001

Pumps

WELL ID.	DTW	DTP	DTB	Flow Rate	Vault Locked		Check Piping for Leaks		Check Control Panel		Pump Pulled and Cleaned		Due	Comments
PW-1	N/A	N/A	19.80	N/A gpm	YES	NO	YES	NO	YES	NO	YES	NO	Annual-June	
PW-2	N/A	N/A	19.00	N/A gpm	YES	NO	YES	NO	YES	NO	YES	NO		
PW-3	N/A	N/A	18.00	N/A gpm	YES	NO	YES	NO	YES	NO	YES	NO		
PW-4	N/A	N/A	15.70	N/A gpm	YES	NO	YES	NO	YES	NO	YES	NO		
PW-5	N/A	N/A	21.50	N/A gpm	YES	NO	YES	NO	YES	NO	YES	NO		

Pumps are removed from well, visual inspection and cleaned annually.

O/W Separator (OWS-100)

Visual Check for Leaks		Inspect and Clean Probes		Probes Work Correctly		Adjust Collection Weir		Change Top Sorbant Pad		Drain and Clean	
YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO
						As Needed.		*As Needed.*		*Annual-June*	

Holding Tank (HT-200)

Visual Check for Leaks		Inspect and Clean Probes		Probes Work Correctly	
YES	NO	YES	NO	YES	NO

Tank capacity is 380 gallons.

Transfer Pump TP-200

Check for Leaks		Check Motor	
YES	NO	YES	NO

Annual-December

Bag Filters

Bag Filter	Pressure (psi)		Check Filter		Change Filter		Add Sorbant Pads to Filter		Any DNAPL in the Bottom of the Filter		Check Pressure Switch		Spare Bag Filters
	In	Out											
BF-300	32.3	30.7	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	32
BF-301	n/a	n/a	YES	NO	YES	NO	YES	NO	YES	NO			

Metering Pumps

Metering Pumps	Speed	Stroke	Check Tubing		Clean Pump Head Assy.		Clean Check Valve	
MP-600	25	40	YES	NO	YES	NO	YES	NO
MP-601	25	40	YES	NO	YES	NO	YES	NO

Every 6 months June & December

Sequestering/Biocide Drums

Check for Leaks		Level In drum	Spare Drums on Site	
YES	NO	11.0 inches	Redux 340	2
YES	NO	9.7 inches	Redux 620	2

Carbon Vessels

Carbon Vessels	Pressure (psi)		Check Vessel for Leaks		Check Hoses for Leaks	
LGAC-300	PG-300	25.0	YES	NO	YES	NO
LGAC-301	PG-301	20	YES	NO	YES	NO
LGAC-302	PG-302	18.0	YES	NO	YES	NO

Blower B-500

Operating Odor Control		Check for Leaks		Check Motor	
YES	NO	YES	NO	YES	NO

Annual-December

Odor Control Drum

Check for Leaks		Influent	Effluent
YES	NO	*N/A* ppm	*N/A* ppm

Monthly System Operation Record
Excelsior Avenue, Former MGP Site
Saratoga Springs, New York

Date: 8/6/2025 Technician: KL

DNAPL Recovery and Storage Tank (HT-500)-Not Used					
Visual Check for leaks		Inspect and Clean Probes	Probes Work Correctly	Total Product in Tank	Cumulative Total
YES	NO	N/A	N/A	0 inches	0 gallons

Heaters and Air Ventilation					
Heat On		Heat Set At	Power Vent Roof Exhaust		Auto Set At?
YES	NO	N/A	YES	NO	80 ˚F

OWS DNAPL Recovery					
Amount of DNAPL drained from OWS placed in a 55 gallon drum		Cumulative Total for 2025		Cumulative Total	
0.25	Gallons	2	Gallons	289.75	Gallons

Floor Sump					
Inspect and Clean Probe		Probe Works Correctly		Does Sump Need Cleaning	
YES	NO	YES	NO	YES	NO

Health and Safety									
HASP Onsite		First Aid kit Onsite		Eye Wash Working		Onsite Fire Extinguishers		Emergency Lighting Ok	
YES	NO	YES	NO	YES	NO	YES	NO	YES	NO

Drums Stored Inside the Building		
Drum Identification	Drum Contents	Accumulation Start Date
Drum #42	DNAPL	1/8/2025
Drum #43	PPE/Pads/Booms	1/8/2025

Comments:

System is running for 4 hours per day.

Pumped 1 gallons from PW-5

Monthly System Operation Record
Excelsior Avenue, Former MGP Site
Saratoga Springs, New York

Date: 8/6/2025 Technician: KL:

Storm Sewer System			
Item	Checked		Comments
Manhole - 1	YES	NO	
Catch Basin - 2	YES	NO	
Catch Basin - 3	YES	NO	
Catch Basin - 4	YES	NO	
Catch Basin - 5	YES	NO	
Catch Basin - 5A	YES	NO	
Catch Basin - 6	YES	NO	
Catch Basin - 7	YES	NO	
Catch Basin - 8	YES	NO	
Catch Basin - 9	YES	NO	
Catch Basin - 11	YES	NO	
Catch Basin - 12	YES	NO	
Catch Basin - 13	YES	NO	
Catch Basin - 13A	YES	NO	
Catch Basin - 14	YES	NO	
Catch Basin - 15	YES	NO	

Asphalt Cap			
Item	Checked		Comments
Former MGP Site	YES	NO	
Former Spa Steel Site	YES	NO	

Old Red Spring			
Item	Checked		Comments
Fountain	YES	NO	

Security Fence			
Item	Checked		Comments
Former MGP Site	YES	NO	

Vegetation			
Item	Checked		Comments
Former MGP Site	YES	NO	
Former Skating Rink	YES	NO	

NG Gas Operations has an on-site office trailer.

NG Warehousing stores transformers on-site in a fenced in area.

Monthly System Operation Record
Excelsior Avenue, Former MGP Site
Saratoga Springs, New York

Date: 7/2/2025 Time: 1000

Technician: KL Weather: Sunny 80

Building Security					
Main Gate Secure		Side Gate Secure		Building Secure	
YES	NO	YES	NO	YES	NO

System Operating		
Continuous Mode		Hours Per Day
YES	NO	4

System Discharge Meter		Saratoga Springs Meter	
Totalizer-Month	Gallons per minute	Cubic Feet	Gallons
4480.50	16.50	517635.33	3,871,912

Pumps

WELL ID.	DTW	DTP	DTB	Flow Rate	Vault Locked		Check Piping for Leaks		Check Control Panel		Pump Pulled and Cleaned		Due	Comments
PW-1	N/A	N/A	19.80	N/A gpm	YES	NO	YES	NO	YES	NO	YES	NO	*Annual-June*	
PW-2	N/A	N/A	19.00	N/A gpm	YES	NO	YES	NO	YES	NO	YES	NO		
PW-3	N/A	N/A	18.00	N/A gpm	YES	NO	YES	NO	YES	NO	YES	NO		
PW-4	N/A	N/A	15.70	N/A gpm	YES	NO	YES	NO	YES	NO	YES	NO		
PW-5	N/A	N/A	21.50	N/A gpm	YES	NO	YES	NO	YES	NO	YES	NO		

Pumps are removed from well, visual inspection and cleaned annually.

O/W Separator (OWS-100)

Visual Check for Leaks		Inspect and Clean Probes		Probes Work Correctly		Adjust Collection Weir		Change Top Sorbant Pad		Drain and Clean	
YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO
						As Needed.		*As Needed.*		*Annual-June*	

Holding Tank (HT-200)

Visual Check for Leaks		Inspect and Clean Probes		Probes Work Correctly	
YES	NO	YES	NO	YES	NO

Tank capacity is 380 gallons.

Transfer Pump TP-200

Check for Leaks		Check Motor	
YES	NO	YES	NO

Annual-December

Bag Filters

Bag Filter	Pressure (psi)		Check Filter		Change Filter		Add Sorbant Pads to Filter		Any DNAPL in the Bottom of the Filter		Check Pressure Switch		Spare Bag Filters
	In	Out											
BF-300	32.3	29.7	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	4
BF-301	n/a	n/a	YES	NO	YES	NO	YES	NO	YES	NO			

Metering Pumps

Metering Pumps	Speed	Stroke	Check Tubing		Clean Pump Head Assy.		Clean Check Valve	
MP-600	25	40	YES	NO	YES	NO	YES	NO
MP-601	25	40	YES	NO	YES	NO	YES	NO

Every 6 months June & December

Sequestering/Biocide Drums

Check for Leaks		Level In drum	Spare Drums on Site	
YES	NO	14.0 inches	Redux 340	2
YES	NO	13.8 inches	Redux 620	2

Carbon Vessels

Carbon Vessels	Pressure (psi)		Check Vessel for Leaks		Check Hoses for Leaks	
LGAC-300	PG-300	24.0	YES	NO	YES	NO
LGAC-301	PG-301	20	YES	NO	YES	NO
LGAC-302	PG-302	17.4	YES	NO	YES	NO

Blower B-500

Operating Odor Control		Check for Leaks		Check Motor	
YES	NO	YES	NO	YES	NO

Annual-December

Odor Control Drum

Check for Leaks		Influent	Effluent
YES	NO	*N/A* ppm	*N/A* ppm

Monthly System Operation Record
Excelsior Avenue, Former MGP Site
Saratoga Springs, New York

Date: 7/2/2025 Technician: KL

DNAPL Recovery and Storage Tank (HT-500)-Not Used					
Visual Check for leaks		Inspect and Clean Probes	Probes Work Correctly	Total Product in Tank	Cumulative Total
YES	NO	N/A	N/A	0 inches	0 gallons

Heaters and Air Ventilation					
Heat On		Heat Set At	Power Vent Roof Exhaust		Auto Set At?
YES	NO	N/A	YES	NO	80 ˚F

OWS DNAPL Recovery					
Amount of DNAPL drained from OWS placed in a 55 gallon drum		Cumulative Total for 2025		Cumulative Total	
0.25	Gallons	1.75	Gallons	289.50	Gallons

Floor Sump					
Inspect and Clean Probe		Probe Works Correctly		Does Sump Need Cleaning	
YES	NO	YES	NO	YES	NO

Health and Safety									
HASP Onsite		First Aid kit Onsite		Eye Wash Working		Onsite Fire Extinguishers		Emergency Lighting Ok	
YES	NO	YES	NO	YES	NO	YES	NO	YES	NO

Drums Stored Inside the Building		
Drum Identification	Drum Contents	Accumulation Start Date
Drum #42	DNAPL	1/8/2025
Drum #43	PPE/Pads/Booms	1/8/2025

Comments:

System is running for 4 hours per day.

Pumped 1 gallons from PW-5

Monthly System Operation Record
Excelsior Avenue, Former MGP Site
Saratoga Springs, New York

Date: 7/2/2025 Technician: KL:

Storm Sewer System			
Item	Checked		Comments
Manhole - 1	YES	NO	
Catch Basin - 2	YES	NO	
Catch Basin - 3	YES	NO	
Catch Basin - 4	YES	NO	
Catch Basin - 5	YES	NO	
Catch Basin - 5A	YES	NO	
Catch Basin - 6	YES	NO	
Catch Basin - 7	YES	NO	
Catch Basin - 8	YES	NO	
Catch Basin - 9	YES	NO	
Catch Basin - 11	YES	NO	
Catch Basin - 12	YES	NO	
Catch Basin - 13	YES	NO	
Catch Basin - 13A	YES	NO	
Catch Basin - 14	YES	NO	
Catch Basin - 15	YES	NO	

Asphalt Cap			
Item	Checked		Comments
Former MGP Site	YES	NO	
Former Spa Steel Site	YES	NO	

Old Red Spring			
Item	Checked		Comments
Fountain	YES	NO	

Security Fence			
Item	Checked		Comments
Former MGP Site	YES	NO	

Vegetation			
Item	Checked		Comments
Former MGP Site	YES	NO	
Former Skating Rink	YES	NO	

NG Gas Operations has an on-site office trailer.

NG Warehousing stores transformers on-site in a fenced in area.

Monthly System Operation Record
Excelsior Avenue, Former MGP Site
Saratoga Springs, New York

Date: 6/25/2025 Time: 1400

Technician: KL Weather: PC 85

Building Security					
Main Gate Secure		Side Gate Secure		Building Secure	
YES	NO	YES	NO	YES	NO

System Operating		
Continuous Mode		Hours Per Day
YES	NO	4

System Discharge Meter		Saratoga Springs Meter	
Totalizer-Month	Gallons per minute	Cubic Feet	Gallons
202234.80	16.50	516931.96	3,866,651

Pumps

WELL ID.	DTW	DTP	DTB	Flow Rate	Vault Locked		Check Piping for Leaks		Check Control Panel		Pump Pulled and Cleaned		Due	Comments
PW-1	N/A	N/A	19.80	N/A gpm	YES	NO	YES	NO	YES	NO	YES	NO	Annual-June	
PW-2	N/A	N/A	19.00	N/A gpm	YES	NO	YES	NO	YES	NO	YES	NO		
PW-3	N/A	N/A	18.00	N/A gpm	YES	NO	YES	NO	YES	NO	YES	NO		
PW-4	N/A	N/A	15.70	N/A gpm	YES	NO	YES	NO	YES	NO	YES	NO		
PW-5	N/A	N/A	21.50	N/A gpm	YES	NO	YES	NO	YES	NO	YES	NO		

Pumps are removed from well, visual inspection and cleaned annually.

O/W Separator (OWS-100)

Visual Check for Leaks		Inspect and Clean Probes		Probes Work Correctly		Adjust Collection Weir		Change Top Sorbant Pad		Drain and Clean	
YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO
						As Needed.		*As Needed.*		*Annual-June*	

Holding Tank (HT-200)

Visual Check for Leaks		Inspect and Clean Probes		Probes Work Correctly	
YES	NO	YES	NO	YES	NO

Tank capacity is 380 gallons.

Transfer Pump TP-200

Check for Leaks		Check Motor	
YES	NO	YES	NO

Annual-December

Bag Filters

Bag Filter	Pressure (psi)		Check Filter		Change Filter		Add Sorbant Pads to Filter		Any DNAPL in the Bottom of the Filter		Check Pressure Switch		Spare Bag Filters
	In	Out											
BF-300	32.4	30.6	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	6
BF-301	n/a	n/a	YES	NO	YES	NO	YES	NO	YES	NO			

Metering Pumps

Metering Pumps	Speed	Stroke	Check Tubing		Clean Pump Head Assy.		Clean Check Valve	
MP-600	25	40	YES	NO	YES	NO	YES	NO
MP-601	25	40	YES	NO	YES	NO	YES	NO

Every 6 months June & December

Sequestering/Biocide Drums

Check for Leaks		Level In drum	Spare Drums on Site	
YES	NO	14.7 inches	Redux 340	2
YES	NO	13.1 inches	Redux 620	2

Carbon Vessels

Carbon Vessels	Pressure (psi)		Check Vessel for Leaks		Check Hoses for Leaks	
LGAC-300	PG-300	24.7	YES	NO	YES	NO
LGAC-301	PG-301	20	YES	NO	YES	NO
LGAC-302	PG-302	18.1	YES	NO	YES	NO

Blower B-500

Operating Odor Control		Check for Leaks		Check Motor	
YES	NO	YES	NO	YES	NO

Annual-December

Odor Control Drum

Check for Leaks		Influent	Effluent
YES	NO	*N/A* ppm	*N/A* ppm

Monthly System Operation Record
Excelsior Avenue, Former MGP Site
Saratoga Springs, New York

Date: 6/25/2025 Technician: KL

DNAPL Recovery and Storage Tank (HT-500)-Not Used					
Visual Check for leaks		Inspect and Clean Probes	Probes Work Correctly	Total Product in Tank	Cumulative Total
YES	NO	N/A	N/A	0 inches	0 gallons

Heaters and Air Ventilation					
Heat On		Heat Set At	Power Vent Roof Exhaust		Auto Set At?
YES	NO	N/A	YES	NO	80 ˚F

OWS DNAPL Recovery					
Amount of DNAPL drained from OWS placed in a 55 gallon drum		Cumulative Total for 2025		Cumulative Total	
0.25	Gallons	1.5	Gallons	289.25	Gallons

Floor Sump					
Inspect and Clean Probe		Probe Works Correctly		Does Sump Need Cleaning	
YES	NO	YES	NO	YES	NO

Health and Safety									
HASP Onsite		First Aid kit Onsite		Eye Wash Working		Onsite Fire Extinguishers		Emergency Lighting Ok	
YES	NO	YES	NO	YES	NO	YES	NO	YES	NO

Drums Stored Inside the Building		
Drum Identification	Drum Contents	Accumulation Start Date
Drum #42	DNAPL	1/8/2025
Drum #43	PPE/Pads/Booms	1/8/2025

Comments:

System is running for 4 hours per day.

Pumped 1 gallons from PW-5 on 6/11/2025

Pumped 1 gallons from PW-5 on 6/25/2025

Pumped 1 oz of DNAPL from PW-1 and PW-3 during cleaning

Monthly System Operation Record
Excelsior Avenue, Former MGP Site
Saratoga Springs, New York

Date: 6/25/2025 Technician: KL:

Storm Sewer System			
Item	Checked		Comments
Manhole - 1	YES	NO	
Catch Basin - 2	YES	NO	
Catch Basin - 3	YES	NO	
Catch Basin - 4	YES	NO	
Catch Basin - 5	YES	NO	
Catch Basin - 5A	YES	NO	
Catch Basin - 6	YES	NO	
Catch Basin - 7	YES	NO	
Catch Basin - 8	YES	NO	
Catch Basin - 9	YES	NO	
Catch Basin - 11	YES	NO	
Catch Basin - 12	YES	NO	
Catch Basin - 13	YES	NO	
Catch Basin - 13A	YES	NO	
Catch Basin - 14	YES	NO	
Catch Basin - 15	YES	NO	

Asphalt Cap			
Item	Checked		Comments
Former MGP Site	YES	NO	
Former Spa Steel Site	YES	NO	

Old Red Spring			
Item	Checked		Comments
Fountain	YES	NO	

Security Fence			
Item	Checked		Comments
Former MGP Site	YES	NO	

Vegetation			
Item	Checked		Comments
Former MGP Site	YES	NO	
Former Skating Rink	YES	NO	

NG Gas Operations has an on-site office trailer.

NG Warehousing stores transformers on-site in a fenced in area.

Monthly System Operation Record
Excelsior Avenue, Former MGP Site
Saratoga Springs, New York

Date: 5/7/2025 Time: 1000

Technician: KL Weather: Cloudy 37

Building Security

Main Gate Secure		Side Gate Secure		Building Secure	
YES	NO	YES	NO	YES	NO

System Operating

Continuous Mode		Hours Per Day
YES	NO	4

System Discharge Meter

Totalizer-Month	Gallons per minute
12705.70	16.30

Saratoga Springs Meter

Cubic Feet	Gallons
511750.27	3,827,892

Pumps

WELL ID.	DTW	DTP	DTB	Flow Rate	Vault Locked		Check Piping for Leaks		Check Control Panel		Pump Pulled and Cleaned		Due	Comments
PW-1	N/A	N/A	19.80	N/A gpm	YES	NO	YES	NO	YES	NO	YES	NO	*Annual-June*	
PW-2	N/A	N/A	19.00	N/A gpm	YES	NO	YES	NO	YES	NO	YES	NO		
PW-3	N/A	N/A	18.00	N/A gpm	YES	NO	YES	NO	YES	NO	YES	NO		
PW-4	N/A	N/A	15.70	N/A gpm	YES	NO	YES	NO	YES	NO	YES	NO		
PW-5	N/A	N/A	21.50	N/A gpm	YES	NO	YES	NO	YES	NO	YES	NO		

Pumps are removed from well, visual inspection and cleaned annually.

O/W Separator (OWS-100)

Visual Check for Leaks		Inspect and Clean Probes		Probes Work Correctly		Adjust Collection Weir		Change Top Sorbant Pad		Drain and Clean	
YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO
						As Needed.		*As Needed.*		*Annual-June*	

Holding Tank (HT-200)

Visual Check for Leaks		Inspect and Clean Probes		Probes Work Correctly	
YES	NO	YES	NO	YES	NO

Tank capacity is 380 gallons.

Transfer Pump TP-200

Check for Leaks		Check Motor	
YES	NO	YES	NO

Annual-December

Bag Filters

Bag Filter	Pressure (psi)		Check Filter		Change Filter		Add Sorbant Pads to Filter		Any DNAPL in the Bottom of the Filter		Check Pressure Switch		Spare Bag Filters
	In	Out											
BF-300	34.8	30.2	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	8
BF-301	n/a	n/a	YES	NO	YES	NO	YES	NO	YES	NO			

Metering Pumps

Metering Pumps	Speed	Stroke	Check Tubing		Clean Pump Head Assy.		Clean Check Valve	
MP-600	25	40	YES	NO	YES	NO	YES	NO
MP-601	25	40	YES	NO	YES	NO	YES	NO

Every 6 months June & December

Sequestering/Biocide Drums

Check for Leaks		Level In drum	Spare Drums on Site	
YES	NO	20.1 inches	Redux 340	0
YES	NO	19.2 inches	Redux 620	0

Carbon Vessels

Carbon Vessels	Pressure (psi)		Check Vessel for Leaks		Check Hoses for Leaks	
LGAC-300	PG-300	24.1	YES	NO	YES	NO
LGAC-301	PG-301	20	YES	NO	YES	NO
LGAC-302	PG-302	18.2	YES	NO	YES	NO

Blower B-500

Operating Odor Control		Check for Leaks		Check Motor	
YES	NO	YES	NO	YES	NO

Annual-December

Odor Control Drum

Check for Leaks		Influent	Effluent
YES	NO	*N/A* ppm	*N/A* ppm

Monthly System Operation Record
Excelsior Avenue, Former MGP Site
Saratoga Springs, New York

Date: 5/7//2025 Technician: KL

DNAPL Recovery and Storage Tank (HT-500)-Not Used					
Visual Check for leaks		Inspect and Clean Probes	Probes Work Correctly	Total Product in Tank	Cumulative Total
YES	NO	N/A	N/A	0 inches	0 gallons

Heaters and Air Ventilation					
Heat On		Heat Set At	Power Vent Roof Exhaust		Auto Set At?
YES	NO	65	YES	NO	80 ˚F

OWS DNAPL Recovery					
Amount of DNAPL drained from OWS placed in a 55 gallon drum		Cumulative Total for 2025		Cumulative Total	
0.25	Gallons	1	Gallons	288.75	Gallons

Floor Sump					
Inspect and Clean Probe		Probe Works Correctly		Does Sump Need Cleaning	
YES	NO	YES	NO	YES	NO

Health and Safety									
HASP Onsite		First Aid kit Onsite		Eye Wash Working		Onsite Fire Extinguishers		Emergency Lighting Ok	
YES	NO	YES	NO	YES	NO	YES	NO	YES	NO

Drums Stored Inside the Building		
Drum Identification	Drum Contents	Accumulation Start Date
Drum #42	DNAPL	1/8/2025
Drum #43	PPE/Pads/Booms	1/8/2025

Comments:

System is running for 4 hours per day.

Pumped 1 gallons from PW-5

PLC and HMI hardware and software upgrades.

New guages installed

Monthly System Operation Record
Excelsior Avenue, Former MGP Site
Saratoga Springs, New York

Date: 5/7/2025 Technician: KL:

Storm Sewer System			
Item	Checked		Comments
Manhole - 1	YES	NO	
Catch Basin - 2	YES	NO	
Catch Basin - 3	YES	NO	
Catch Basin - 4	YES	NO	
Catch Basin - 5	YES	NO	
Catch Basin - 5A	YES	NO	
Catch Basin - 6	YES	NO	
Catch Basin - 7	YES	NO	
Catch Basin - 8	YES	NO	
Catch Basin - 9	YES	NO	
Catch Basin - 11	YES	NO	
Catch Basin - 12	YES	NO	
Catch Basin - 13	YES	NO	
Catch Basin - 13A	YES	NO	
Catch Basin - 14	YES	NO	
Catch Basin - 15	YES	NO	

Asphalt Cap			
Item	Checked		Comments
Former MGP Site	YES	NO	
Former Spa Steel Site	YES	NO	

Old Red Spring			
Item	Checked		Comments
Fountain	YES	NO	

Security Fence			
Item	Checked		Comments
Former MGP Site	YES	NO	

Vegetation			
Item	Checked		Comments
Former MGP Site	YES	NO	
Former Skating Rink	YES	NO	

NG Gas Operations has an on-site office trailer.

NG Warehousing stores transformers on-site in a fenced in area.

Monthly System Operation Record
Excelsior Avenue, Former MGP Site
Saratoga Springs, New York

Date: 4/2/2025 Time: 1300

Technician: KL Weather: Cloudy 37

Building Security					
Main Gate Secure		Side Gate Secure		Building Secure	
YES	NO	YES	NO	YES	NO

System Operating		
Continuous Mode		Hours Per Day
YES	NO	4

System Discharge Meter		Saratoga Springs Meter	
Totalizer-Month	Gallons per minute	Cubic Feet	Gallons
4699.00	17.20	508494.17	3,803,536

Pumps

WELL ID.	DTW	DTP	DTB	Flow Rate	Vault Locked		Check Piping for Leaks		Check Control Panel		Pump Pulled and Cleaned		Due	Comments
PW-1	N/A	N/A	19.80	N/A gpm	YES	NO	YES	NO	YES	NO	YES	NO	Annual-June	
PW-2	N/A	N/A	19.00	N/A gpm	YES	NO	YES	NO	YES	NO	YES	NO		
PW-3	N/A	N/A	18.00	N/A gpm	YES	NO	YES	NO	YES	NO	YES	NO		
PW-4	N/A	N/A	15.70	N/A gpm	YES	NO	YES	NO	YES	NO	YES	NO		
PW-5	N/A	N/A	21.50	N/A gpm	YES	NO	YES	NO	YES	NO	YES	NO		

Pumps are removed from well, visual inspection and cleaned annually.

O/W Separator (OWS-100)

Visual Check for Leaks		Inspect and Clean Probes		Probes Work Correctly		Adjust Collection Weir		Change Top Sorbant Pad		Drain and Clean	
YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO
						As Needed.		*As Needed.*		*Annual-June*	

Holding Tank (HT-200)

Visual Check for Leaks		Inspect and Clean Probes		Probes Work Correctly	
YES	NO	YES	NO	YES	NO

Tank capacity is 380 gallons.

Transfer Pump TP-200

Check for Leaks		Check Motor	
YES	NO	YES	NO

Annual-December

Bag Filters

Bag Filter	Pressure (psi)		Check Filter		Change Filter		Add Sorbant Pads to Filter		Any DNAPL in the Bottom of the Filter		Check Pressure Switch		Spare Bag Filters
	In	Out											
BF-300	64.3	60.5	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	12
BF-301	n/a	n/a	YES	NO	YES	NO	YES	NO	YES	NO			

Metering Pumps

Metering Pumps	Speed	Stroke	Check Tubing		Clean Pump Head Assy.		Clean Check Valve	
MP-600	25	40	YES	NO	YES	NO	YES	NO
MP-601	25	40	YES	NO	YES	NO	YES	NO

Every 6 months June & December

Sequestering/Biocide Drums

Check for Leaks		Level In drum	Spare Drums on Site	
YES	NO	23.3 inches	Redux 340	0
YES	NO	22.8 inches	Redux 620	0

Carbon Vessels

Carbon Vessels	Pressure (psi)		Check Vessel for Leaks		Check Hoses for Leaks	
LGAC-300	PG-300	43.7	YES	NO	YES	NO
LGAC-301	PG-301	36.6	YES	NO	YES	NO
LGAC-302	PG-302	35.1	YES	NO	YES	NO

Blower B-500

Operating Odor Control		Check for Leaks		Check Motor	
YES	NO	YES	NO	YES	NO

Annual-December

Odor Control Drum

Check for Leaks		Influent	Effluent
YES	NO	*N/A* ppm	*N/A* ppm

Monthly System Operation Record
Excelsior Avenue, Former MGP Site
Saratoga Springs, New York

Date: 4/2/2025 Technician: KL

DNAPL Recovery and Storage Tank (HT-500)-Not Used					
Visual Check for leaks		Inspect and Clean Probes	Probes Work Correctly	Total Product in Tank	Cumulative Total
YES	NO	N/A	N/A	0 inches	0 gallons

Heaters and Air Ventilation					
Heat On		Heat Set At	Power Vent Roof Exhaust		Auto Set At?
YES	NO	65	YES	NO	80 ˚F

OWS DNAPL Recovery					
Amount of DNAPL drained from OWS placed in a 55 gallon drum		Cumulative Total for 2025		Cumulative Total	
0.25	Gallons	1	Gallons	288.75	Gallons

Floor Sump					
Inspect and Clean Probe		Probe Works Correctly		Does Sump Need Cleaning	
YES	NO	YES	NO	YES	NO

Health and Safety									
HASP Onsite		First Aid kit Onsite		Eye Wash Working		Onsite Fire Extinguishers		Emergency Lighting Ok	
YES	NO	YES	NO	YES	NO	YES	NO	YES	NO

Drums Stored Inside the Building		
Drum Identification	Drum Contents	Accumulation Start Date
Drum #42	DNAPL	1/8/2025
Drum #43	PPE/Pads/Booms	1/8/2025

Comments:

System is running for 4 hours per day.

Pumped 1 gallons from PW-5

Monthly System Operation Record
Excelsior Avenue, Former MGP Site
Saratoga Springs, New York

Date: 4/2/2025 Technician: KL:

Storm Sewer System			
Item	Checked		Comments
Manhole - 1	YES	NO	
Catch Basin - 2	YES	NO	
Catch Basin - 3	YES	NO	
Catch Basin - 4	YES	NO	
Catch Basin - 5	YES	NO	
Catch Basin - 5A	YES	NO	
Catch Basin - 6	YES	NO	
Catch Basin - 7	YES	NO	
Catch Basin - 8	YES	NO	
Catch Basin - 9	YES	NO	
Catch Basin - 11	YES	NO	
Catch Basin - 12	YES	NO	
Catch Basin - 13	YES	NO	
Catch Basin - 13A	YES	NO	
Catch Basin - 14	YES	NO	
Catch Basin - 15	YES	NO	

Asphalt Cap			
Item	Checked		Comments
Former MGP Site	YES	NO	
Former Spa Steel Site	YES	NO	

Old Red Spring			
Item	Checked		Comments
Fountain	YES	NO	

Security Fence			
Item	Checked		Comments
Former MGP Site	YES	NO	

Vegetation			
Item	Checked		Comments
Former MGP Site	YES	NO	
Former Skating Rink	YES	NO	

NG Gas Operations has an on-site office trailer.

NG Warehousing stores transformers on-site in a fenced in area.

Monthly System Operation Record
Excelsior Avenue, Former MGP Site
Saratoga Springs, New York

Date: 3/5/2025 Time: 1130

Technician: KL Weather: Cloudy 39

Building Security					
Main Gate Secure		Side Gate Secure		Building Secure	
YES	NO	YES	NO	YES	NO

System Operating		
Continuous Mode		Hours Per Day
YES	NO	4

System Discharge Meter		Saratoga Springs Meter	
Totalizer-Month	Gallons per minute	Cubic Feet	Gallons
4489.00	17.20	505888.88	3,784,049

Pumps

WELL ID.	DTW	DTP	DTB	Flow Rate	Vault Locked		Check Piping for Leaks		Check Control Panel		Pump Pulled and Cleaned		Due	Comments
PW-1	N/A	N/A	19.80	N/A gpm	YES	NO	YES	NO	YES	NO	YES	NO	Annual-June	
PW-2	N/A	N/A	19.00	N/A gpm	YES	NO	YES	NO	YES	NO	YES	NO		
PW-3	N/A	N/A	18.00	N/A gpm	YES	NO	YES	NO	YES	NO	YES	NO		
PW-4	N/A	N/A	15.70	N/A gpm	YES	NO	YES	NO	YES	NO	YES	NO		
PW-5	N/A	N/A	21.50	N/A gpm	YES	NO	YES	NO	YES	NO	YES	NO		

Pumps are removed from well, visual inspection and cleaned annually.

O/W Separator (OWS-100)

Visual Check for Leaks		Inspect and Clean Probes		Probes Work Correctly		Adjust Collection Weir		Change Top Sorbant Pad		Drain and Clean	
YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO
						As Needed.		*As Needed.*		*Annual-June*	

Holding Tank (HT-200)

Visual Check for Leaks		Inspect and Clean Probes		Probes Work Correctly	
YES	NO	YES	NO	YES	NO

Tank capacity is 380 gallons.

Transfer Pump TP-200

Check for Leaks		Check Motor	
YES	NO	YES	NO

Annual-December

Bag Filters

Bag Filter	Pressure (psi)		Check Filter		Change Filter		Add Sorbant Pads to Filter		Any DNAPL in the Bottom of the Filter		Check Pressure Switch		Spare Bag Filters
	In	Out											
BF-300	62.8	62.6	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	14
BF-301	n/a	n/a	YES	NO	YES	NO	YES	NO	YES	NO			

Metering Pumps

Metering Pumps	Speed	Stroke	Check Tubing		Clean Pump Head Assy.		Clean Check Valve	
MP-600	25	40	YES	NO	YES	NO	YES	NO
MP-601	25	40	YES	NO	YES	NO	YES	NO

Every 6 months June & December

Sequestering/Biocide Drums

Check for Leaks		Level In drum	Spare Drums on Site	
YES	NO	30.0 inches	Redux 340	0
YES	NO	25.9 inches	Redux 620	0

Carbon Vessels

Carbon Vessels	Pressure (psi)		Check Vessel for Leaks		Check Hoses for Leaks	
LGAC-300	PG-300	45.5	YES	NO	YES	NO
LGAC-301	PG-301	36.6	YES	NO	YES	NO
LGAC-302	PG-302	35.2	YES	NO	YES	NO

Blower B-500

Operating Odor Control		Check for Leaks		Check Motor	
YES	NO	YES	NO	YES	NO

Annual-December

Odor Control Drum

Check for Leaks		Influent	Effluent
YES	NO	*N/A* ppm	*N/A* ppm

Monthly System Operation Record
Excelsior Avenue, Former MGP Site
Saratoga Springs, New York

Date: 3/5/2025 Technician: KL

DNAPL Recovery and Storage Tank (HT-500)-Not Used					
Visual Check for leaks		Inspect and Clean Probes	Probes Work Correctly	Total Product in Tank	Cumulative Total
YES	NO	N/A	N/A	0 inches	0 gallons

Heaters and Air Ventilation					
Heat On		Heat Set At	Power Vent Roof Exhaust		Auto Set At?
YES	NO	65	YES	NO	80 ˚F

OWS DNAPL Recovery					
Amount of DNAPL drained from OWS placed in a 55 gallon drum		Cumulative Total for 2025		Cumulative Total	
0.25	Gallons	0.75	Gallons	288.50	Gallons

Floor Sump					
Inspect and Clean Probe		Probe Works Correctly		Does Sump Need Cleaning	
YES	NO	YES	NO	YES	NO

Health and Safety									
HASP Onsite		First Aid kit Onsite		Eye Wash Working		Onsite Fire Extinguishers		Emergency Lighting Ok	
YES	NO	YES	NO	YES	NO	YES	NO	YES	NO

Drums Stored Inside the Building		
Drum Identification	Drum Contents	Accumulation Start Date
Drum #42	DNAPL	1/8/2025
Drum #43	PPE/Pads/Booms	1/8/2025

Comments:

System is running for 4 hours per day.

Pumped 1 gallons from PW-5

Monthly System Operation Record
Excelsior Avenue, Former MGP Site
Saratoga Springs, New York

Date: 3/5/2025 Technician: KL:

Storm Sewer System			
Item	Checked		Comments
Manhole - 1	YES	NO	
Catch Basin - 2	YES	NO	
Catch Basin - 3	YES	NO	
Catch Basin - 4	YES	NO	
Catch Basin - 5	YES	NO	
Catch Basin - 5A	YES	NO	
Catch Basin - 6	YES	NO	
Catch Basin - 7	YES	NO	
Catch Basin - 8	YES	NO	
Catch Basin - 9	YES	NO	
Catch Basin - 11	YES	NO	
Catch Basin - 12	YES	NO	
Catch Basin - 13	YES	NO	
Catch Basin - 13A	YES	NO	
Catch Basin - 14	YES	NO	
Catch Basin - 15	YES	NO	

Asphalt Cap			
Item	Checked		Comments
Former MGP Site	YES	NO	
Former Spa Steel Site	YES	NO	

Old Red Spring			
Item	Checked		Comments
Fountain	YES	NO	

Security Fence			
Item	Checked		Comments
Former MGP Site	YES	NO	

Vegetation			
Item	Checked		Comments
Former MGP Site	YES	NO	
Former Skating Rink	YES	NO	

NG Gas Operations has an on-site office trailer.

NG Warehousing stores transformers on-site in a fenced in area.

Monthly System Operation Record
Excelsior Avenue, Former MGP Site
Saratoga Springs, New York

Date: 2/5/2025 Time: 1030

Technician: KL Weather: sunny 16

Building Security					
Main Gate Secure		Side Gate Secure		Building Secure	
YES	NO	YES	NO	YES	NO

System Operating		
Continuous Mode		Hours Per Day
YES	NO	4

System Discharge Meter		Saratoga Springs Meter	
Totalizer-Month	Gallons per minute	Cubic Feet	Gallons
3795.25	16.90	503816.31	3,768,546

Pumps

WELL ID.	DTW	DTP	DTB	Flow Rate	Vault Locked		Check Piping for Leaks		Check Control Panel		Pump Pulled and Cleaned		Due	Comments
PW-1	N/A	N/A	19.80	N/A gpm	YES	NO	YES	NO	YES	NO	YES	NO	Annual-June	
PW-2	N/A	N/A	19.00	N/A gpm	YES	NO	YES	NO	YES	NO	YES	NO		
PW-3	N/A	N/A	18.00	N/A gpm	YES	NO	YES	NO	YES	NO	YES	NO		
PW-4	N/A	N/A	15.70	N/A gpm	YES	NO	YES	NO	YES	NO	YES	NO		
PW-5	N/A	N/A	21.50	N/A gpm	YES	NO	YES	NO	YES	NO	YES	NO		

Pumps are removed from well, visual inspection and cleaned annually.

O/W Separator (OWS-100)

Visual Check for Leaks		Inspect and Clean Probes		Probes Work Correctly		Adjust Collection Weir		Change Top Sorbant Pad		Drain and Clean	
YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO
						As Needed.		*As Needed.*		*Annual-June*	

Holding Tank (HT-200)

Visual Check for Leaks		Inspect and Clean Probes		Probes Work Correctly	
YES	NO	YES	NO	YES	NO

Tank capacity is 380 gallons.

Transfer Pump TP-200

Check for Leaks		Check Motor	
YES	NO	YES	NO

Annual-December

Bag Filters

Bag Filter	Pressure (psi)		Check Filter		Change Filter		Add Sorbant Pads to Filter		Any DNAPL in the Bottom of the Filter		Check Pressure Switch		Spare Bag Filters
	In	Out											
BF-300	60.2	60.1	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	16
BF-301	n/a	n/a	YES	NO	YES	NO	YES	NO	YES	NO			

Metering Pumps

Metering Pumps	Speed	Stroke	Check Tubing		Clean Pump Head Assy.		Clean Check Valve	
MP-600	25	40	YES	NO	YES	NO	YES	NO
MP-601	25	40	YES	NO	YES	NO	YES	NO

Every 6 months June & December

Sequestering/Biocide Drums

Check for Leaks		Level In drum	Spare Drums on Site	
YES	NO	30.0 inches	Redux 340	0
YES	NO	27.9 inches	Redux 620	0

Carbon Vessels

Carbon Vessels	Pressure (psi)		Check Vessel for Leaks		Check Hoses for Leaks	
LGAC-300	PG-300	43.7	YES	NO	YES	NO
LGAC-301	PG-301	32.9	YES	NO	YES	NO
LGAC-302	PG-302	35.2	YES	NO	YES	NO

Blower B-500

Operating Odor Control		Check for Leaks		Check Motor	
YES	NO	YES	NO	YES	NO

Annual-December

Odor Control Drum

Check for Leaks		Influent	Effluent
YES	NO	*N/A* ppm	*N/A* ppm

Monthly System Operation Record
Excelsior Avenue, Former MGP Site
Saratoga Springs, New York

Date: 2/5/2025 Technician: KL

DNAPL Recovery and Storage Tank (HT-500)-Not Used					
Visual Check for leaks		Inspect and Clean Probes	Probes Work Correctly	Total Product in Tank	Cumulative Total
YES	NO	N/A	N/A	0 inches	0 gallons

Heaters and Air Ventilation					
Heat On		Heat Set At	Power Vent Roof Exhaust		Auto Set At?
YES	NO	65	YES	NO	80 ˚F

OWS DNAPL Recovery					
Amount of DNAPL drained from OWS placed in a 55 gallon drum		Cumulative Total for 2025		Cumulative Total	
0.25	Gallons	0.5	Gallons	288.25	Gallons

Floor Sump					
Inspect and Clean Probe		Probe Works Correctly		Does Sump Need Cleaning	
YES	NO	YES	NO	YES	NO

Health and Safety									
HASP Onsite		First Aid kit Onsite		Eye Wash Working		Onsite Fire Extinguishers		Emergency Lighting Ok	
YES	NO	YES	NO	YES	NO	YES	NO	YES	NO

Drums Stored Inside the Building		
Drum Identification	Drum Contents	Accumulation Start Date
Drum #42	DNAPL	1/8/2025
Drum #43	PPE/Pads/Booms	1/8/2025

Comments:

System is running for 4 hours per day.

Pumped 1 gallons from PW-5

Monthly System Operation Record
Excelsior Avenue, Former MGP Site
Saratoga Springs, New York

Date: 2/5/2025 Technician: KL:

Storm Sewer System			
Item	Checked		Comments
Manhole - 1	YES	NO	
Catch Basin - 2	YES	NO	
Catch Basin - 3	YES	NO	
Catch Basin - 4	YES	NO	
Catch Basin - 5	YES	NO	
Catch Basin - 5A	YES	NO	
Catch Basin - 6	YES	NO	
Catch Basin - 7	YES	NO	
Catch Basin - 8	YES	NO	
Catch Basin - 9	YES	NO	
Catch Basin - 11	YES	NO	
Catch Basin - 12	YES	NO	
Catch Basin - 13	YES	NO	
Catch Basin - 13A	YES	NO	
Catch Basin - 14	YES	NO	
Catch Basin - 15	YES	NO	

Asphalt Cap			
Item	Checked		Comments
Former MGP Site	YES	NO	
Former Spa Steel Site	YES	NO	

Old Red Spring			
Item	Checked		Comments
Fountain	YES	NO	

Security Fence			
Item	Checked		Comments
Former MGP Site	YES	NO	

Vegetation			
Item	Checked		Comments
Former MGP Site	YES	NO	
Former Skating Rink	YES	NO	

NG Gas Operations has an on-site office trailer.

NG Warehousing stores transformers on-site in a fenced in area.

Monthly System Operation Record
Excelsior Avenue, Former MGP Site
Saratoga Springs, New York

Date: 1/8/2025 Time: 930

Technician: KL Weather: sunny 17

Building Security					
Main Gate Secure		Side Gate Secure		Building Secure	
YES	NO	YES	NO	YES	NO

System Operating		
Continuous Mode		Hours Per Day
YES	NO	4

System Discharge Meter		Saratoga Springs Meter	
Totalizer-Month	Gallons per minute	Cubic Feet	Gallons
5341.25	16.90	501697.99	3,752,701

Pumps

WELL ID.	DTW	DTP	DTB	Flow Rate	Vault Locked		Check Piping for Leaks		Check Control Panel		Pump Pulled and Cleaned		Due	Comments
PW-1	N/A	N/A	19.80	N/A gpm	YES	NO	YES	NO	YES	NO	YES	NO	Annual-June	
PW-2	N/A	N/A	19.00	N/A gpm	YES	NO	YES	NO	YES	NO	YES	NO		
PW-3	N/A	N/A	18.00	N/A gpm	YES	NO	YES	NO	YES	NO	YES	NO		
PW-4	N/A	N/A	15.70	N/A gpm	YES	NO	YES	NO	YES	NO	YES	NO		
PW-5	N/A	N/A	21.50	N/A gpm	YES	NO	YES	NO	YES	NO	YES	NO		

Pumps are removed from well, visual inspection and cleaned annually.

O/W Separator (OWS-100)

Visual Check for Leaks		Inspect and Clean Probes		Probes Work Correctly		Adjust Collection Weir		Change Top Sorbant Pad		Drain and Clean	
YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO
						As Needed.		*As Needed.*		*Annual-June*	

Holding Tank (HT-200)

Visual Check for Leaks		Inspect and Clean Probes		Probes Work Correctly	
YES	NO	YES	NO	YES	NO

Tank capacity is 380 gallons.

Transfer Pump TP-200

Check for Leaks		Check Motor	
YES	NO	YES	NO

Annual-December

Bag Filters

Bag Filter	Pressure (psi)		Check Filter		Change Filter		Add Sorbant Pads to Filter		Any DNAPL in the Bottom of the Filter		Check Pressure Switch		Spare Bag Filters
	In	Out											
BF-300	61.0	55.7	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	18
BF-301	n/a	n/a	YES	NO	YES	NO	YES	NO	YES	NO			

Metering Pumps

Metering Pumps	Speed	Stroke	Check Tubing		Clean Pump Head Assy.		Clean Check Valve	
MP-600	25	40	YES	NO	YES	NO	YES	NO
MP-601	25	40	YES	NO	YES	NO	YES	NO

Every 6 months June & December

Sequestering/Biocide Drums

Check for Leaks		Level In drum	Spare Drums on Site	
YES	NO	2.7 inches	Redux 340	1
YES	NO	1.1 inches	Redux 620	1

Carbon Vessels

Carbon Vessels	Pressure (psi)		Check Vessel for Leaks		Check Hoses for Leaks	
LGAC-300	PG-300	40.2	YES	NO	YES	NO
LGAC-301	PG-301	32.9	YES	NO	YES	NO
LGAC-302	PG-302	27.7	YES	NO	YES	NO

Blower B-500

Operating Odor Control		Check for Leaks		Check Motor	
YES	NO	YES	NO	YES	NO

Annual-December

Odor Control Drum

Check for Leaks		Influent	Effluent
YES	NO	*N/A* ppm	*N/A* ppm

Monthly System Operation Record
Excelsior Avenue, Former MGP Site
Saratoga Springs, New York

Date: 1/8/2025 Technician: KL

DNAPL Recovery and Storage Tank (HT-500)-Not Used					
Visual Check for leaks		Inspect and Clean Probes	Probes Work Correctly	Total Product in Tank	Cumulative Total
YES	NO	N/A	N/A	0 inches	0 gallons

Heaters and Air Ventilation					
Heat On		Heat Set At	Power Vent Roof Exhaust		Auto Set At?
YES	NO	65	YES	NO	80 ˚F

OWS DNAPL Recovery					
Amount of DNAPL drained from OWS placed in a 55 gallon drum		Cumulative Total for 2025		Cumulative Total	
0.25	Gallons	0.25	Gallons	288.00	Gallons

Floor Sump					
Inspect and Clean Probe		Probe Works Correctly		Does Sump Need Cleaning	
YES	NO	YES	NO	YES	NO

Health and Safety									
HASP Onsite		First Aid kit Onsite		Eye Wash Working		Onsite Fire Extinguishers		Emergency Lighting Ok	
YES	NO	YES	NO	YES	NO	YES	NO	YES	NO

Drums Stored Inside the Building		
Drum Identification	Drum Contents	Accumulation Start Date
Drum #42	DNAPL	1/8/2025
Drum #43	PPE/Pads/Booms	1/8/2025

Comments:

System is running for 4 hours per day.

Pumped 1 gallons from PW-5

Monthly System Operation Record
Excelsior Avenue, Former MGP Site
Saratoga Springs, New York

Date: 1/8/2025 Technician: KL:

Storm Sewer System			
Item	Checked		Comments
Manhole - 1	YES	NO	
Catch Basin - 2	YES	NO	
Catch Basin - 3	YES	NO	
Catch Basin - 4	YES	NO	
Catch Basin - 5	YES	NO	
Catch Basin - 5A	YES	NO	
Catch Basin - 6	YES	NO	
Catch Basin - 7	YES	NO	
Catch Basin - 8	YES	NO	
Catch Basin - 9	YES	NO	
Catch Basin - 11	YES	NO	
Catch Basin - 12	YES	NO	
Catch Basin - 13	YES	NO	
Catch Basin - 13A	YES	NO	
Catch Basin - 14	YES	NO	
Catch Basin - 15	YES	NO	

Asphalt Cap			
Item	Checked		Comments
Former MGP Site	YES	NO	
Former Spa Steel Site	YES	NO	

Old Red Spring			
Item	Checked		Comments
Fountain	YES	NO	

Security Fence			
Item	Checked		Comments
Former MGP Site	YES	NO	

Vegetation			
Item	Checked		Comments
Former MGP Site	YES	NO	
Former Skating Rink	YES	NO	

NG Gas Operations has an on-site office trailer.

NG Warehousing stores transformers on-site in a fenced in area.

Appendix B – Well/Piezometer Gauging Data

Monthly Well Data
Excelsior Avenue, Former MGP
Saratoga Springs, New York

WELL ID.	DTW	DTP	DTB	Inspected and Secure		Comments
LTMP-01	8.81		16.79	YES	NO	
LTMP-02	9.73		19.10	YES	NO	
LTMP-2A	4.84		15.00	YES	NO	
LTMP-03	6.56		11.59	YES	NO	
LTMP-04	5.64		11.25	YES	NO	
LTMP-05	3.62		14.75	YES	NO	
LTMP-06	3.90		14.46	YES	NO	
LTMP-14	4.36		8.87	YES	NO	
LTMP-15	3.36		11.17	YES	NO	
LTMW-01	5.73		15.70	YES	NO	
LTMW-02	6.04		13.53	YES	NO	
LTMW-03	5.78		12.09	YES	NO	
LTMW-04	2.94		12.56	YES	NO	
LTMW-05	3.59		13.00	YES	NO	
LTMW-6A	6.38		15.38	YES	NO	
LTMW-14	1.73		17.78	YES	NO	
LTMW-15	3.36		10.77	YES	NO	
LTMP-06A	6.38		7.37	YES	NO	French drain piezometer
LTMP-14A	3.65		8.87	YES	NO	French drain piezometer
LTMP-15A	5.54		7.14	YES	NO	French drain piezometer
DW-1	5.07		23.10	YES	NO	
DW-2	2.64		15.80	YES	NO	
DW-3	4.83		27.85	YES	NO	
DW-4	4.51		25.50	YES	NO	
DW-5	4.27		24.70	YES	NO	
DW-6	4.21		28.30	YES	NO	
DW-7	4.35		9.00	YES	NO	
MW-EPA-01R	4.20		9.65	YES	NO	
MW-EPA-03R	4.19		13.84	YES	NO	
LTMP-11	3.11		14.25	YES	NO	
LTMP-12	5.00		17.02	YES	NO	
LTMW-12	4.96		20.10	YES	NO	
LTMP-13	5.94	trace	22.90	YES	NO	
LTMW-13	6.71		23.05	YES	NO	.

Containment

Well Id.	Well Elevation	DTW	Water Elevation	Positive Delta
LTMW-01	273.44	5.73	267.71	n/a
LTMW-14	268.08	1.73	266.35	3.06
LTMP-14	267.65	4.36	263.29	
LTMP-14A	267.86	3.65	264.21	0.71
Top Steel Sheet Wall	268.02			4.73
LTMW-6A	265.41	6.38	259.03	-2.16
LTMP-06	265.09	3.90	261.19	
LTMP-06A	264.54	6.38	258.16	-2.48
Top Steel Sheet Wall	265.48			4.29
LTMW-15	263.72	3.36	260.36	0.40
LTMP-15	263.32	3.36	259.96	
LTMP-15A	263.34	5.54	257.80	2.18
Top Steel Sheet Wall	263.57			3.61
LTMW-05	262.57	3.59	258.98	0.27
LTMP-05	262.33	3.62	258.71	
LTMW-04	266.93	2.94	263.99	3.90
LTMP-04	265.73	5.64	260.09	
LTMW-03	269.36	5.78	263.58	1.94
LTMP-03	268.20	6.56	261.64	
LTMW-02	267.76	6.04	261.72	-0.06
LTMP-2A	266.62	4.84	261.78	
LTMP-11	265.54	3.11	262.43	2.13
Top Concrete Barrier Avg.	264.56			
LTMW-12	268.10	4.96	263.14	0.73
LTMP-12	267.41	5.00	262.41	
Top Concrete Barrier Avg.	266.18			3.77
LTMW-13	269.44	6.71	262.73	0.44
LTMP-13	268.23	5.94	262.29	
Top Concrete Barrier Avg.	265.28			2.99

Monthly Well Data
Excelsior Avenue, Former MGP
Saratoga Springs, New York

WELL ID.	DTW	DTP	DTB	Inspected and Secure		Comments
LTMP-01	8.79		16.79	YES	NO	
LTMP-02	9.70		19.10	YES	NO	
LTMP-2A	4.80		15.00	YES	NO	
LTMP-03	6.51		11.59	YES	NO	
LTMP-04	5.31		11.25	YES	NO	
LTMP-05	3.37		14.75	YES	NO	
LTMP-06	3.66		14.46	YES	NO	
LTMP-14	5.18		8.87	YES	NO	
LTMP-15	3.44		11.17	YES	NO	
LTMW-01	5.93		15.70	YES	NO	
LTMW-02	5.99		13.53	YES	NO	
LTMW-03	5.39		12.09	YES	NO	
LTMW-04	2.33		12.56	YES	NO	
LTMW-05	2.98		13.00	YES	NO	
LTMW-6A	5.36		15.38	YES	NO	
LTMW-14	1.83		17.78	YES	NO	
LTMW-15	4.61		10.77	YES	NO	
LTMP-06A	6.42		7.37	YES	NO	French drain piezometer
LTMP-14A	3.65		8.87	YES	NO	French drain piezometer
LTMP-15A	5.54		7.14	YES	NO	French drain piezometer
DW-1	4.94		23.10	YES	NO	
DW-2	3.11		15.80	YES	NO	
DW-3	4.72		27.85	YES	NO	
DW-4	4.17		25.50	YES	NO	
DW-5	3.98		24.70	YES	NO	
DW-6	3.91		28.30	YES	NO	
DW-7	4.28		9.00	YES	NO	
MW-EPA-01R	3.85		9.65	YES	NO	
MW-EPA-03R	4.29		13.84	YES	NO	
LTMP-11	3.12		14.25	YES	NO	
LTMP-12	4.75		17.02	YES	NO	
LTMW-12	4.89		20.10	YES	NO	
LTMP-13	5.68	22.89	22.90	YES	NO	
LTMW-13	6.83		23.05	YES	NO	.

Containment

Well Id.	Well Elevation	DTW	Water Elevation	Positive Delta
LTMW-01	273.44	5.93	267.51	n/a
LTMW-14	268.08	1.83	266.25	3.78
LTMP-14	267.65	5.18	262.47	
LTMP-14A	267.86	3.65	264.21	1.53
Top Steel Sheet Wall	268.02			5.55
LTMW-6A	265.41	5.36	260.05	-1.38
LTMP-06	265.09	3.66	261.43	
LTMP-06A	264.54	6.42	258.12	-2.76
Top Steel Sheet Wall	265.48			4.05
LTMW-15	263.72	4.61	259.11	-0.77
LTMP-15	263.32	3.44	259.88	
LTMP-15A	263.34	5.54	257.80	2.10
Top Steel Sheet Wall	263.57			3.69
LTMW-05	262.57	2.98	259.59	0.63
LTMP-05	262.33	3.37	258.96	
LTMW-04	266.93	2.33	264.60	4.18
LTMP-04	265.73	5.31	260.42	
LTMW-03	269.36	5.39	263.97	2.28
LTMP-03	268.20	6.51	261.69	
LTMW-02	267.76	5.99	261.77	-0.05
LTMP-2A	266.62	4.80	261.82	
LTMP-11	265.54	3.12	262.42	2.14
Top Concrete Barrier Avg.	264.56			
LTMW-12	268.10	4.89	263.21	0.55
LTMP-12	267.41	4.75	262.66	
Top Concrete Barrier Avg.	266.18			3.52
LTMW-13	269.44	6.83	262.61	0.06
LTMP-13	268.23	5.68	262.55	
Top Concrete Barrier Avg.	265.28			2.73

Monthly Well Data
Excelsior Avenue, Former MGP
Saratoga Springs, New York

WELL ID.	DTW	DTP	DTB	Inspected and Secure		Comments
LTMP-01	8.87		16.79	YES	NO	
LTMP-02	9.87		19.10	YES	NO	
LTMP-2A	4.91		15.00	YES	NO	
LTMP-03	6.59		11.59	YES	NO	
LTMP-04	5.47		11.25	YES	NO	
LTMP-05	3.80		14.75	YES	NO	
LTMP-06	4.10		14.46	YES	NO	
LTMP-14	5.49		8.87	YES	NO	
LTMP-15	3.73		11.17	YES	NO	
LTMW-01	5.99		15.70	YES	NO	
LTMW-02	6.05		13.53	YES	NO	
LTMW-03	5.87		12.09	YES	NO	
LTMW-04	3.02		12.56	YES	NO	
LTMW-05	3.53		13.00	YES	NO	
LTMW-6A	5.59		15.38	YES	NO	
LTMW-14	1.84		17.78	YES	NO	
LTMW-15	4.21		10.77	YES	NO	
LTMP-06A	6.45		7.37	YES	NO	French drain piezometer
LTMP-14A	3.65		8.87	YES	NO	French drain piezometer
LTMP-15A	5.54		7.14	YES	NO	French drain piezometer
DW-1	5.15		23.10	YES	NO	
DW-2	3.63		15.80	YES	NO	
DW-3	4.89		27.85	YES	NO	
DW-4	4.40		25.50	YES	NO	
DW-5	4.04		24.70	YES	NO	
DW-6	4.02		28.30	YES	NO	
DW-7	4.47		9.00	YES	NO	
MW-EPA-01R	4.09		9.65	YES	NO	
MW-EPA-03R	4.32		13.84	YES	NO	
LTMP-11	2.88		14.25	YES	NO	
LTMP-12	4.72		17.02	YES	NO	
LTMW-12	5.03		20.10	YES	NO	
LTMP-13	5.63	Trace	22.90	YES	NO	
LTMW-13	6.41		23.05	YES	NO	.

Containment

Well Id.	Well Elevation	DTW	Water Elevation	Positive Delta
LTMW-01	273.44	5.99	267.45	n/a
LTMW-14	268.08	1.84	266.24	4.08
LTMP-14	267.65	5.49	262.16	
LTMP-14A	267.86	3.65	264.21	1.84
Top Steel Sheet Wall	268.02			5.86
LTMW-6A	265.41	5.59	259.82	-1.17
LTMP-06	265.09	4.10	260.99	
LTMP-06A	264.54	6.45	258.09	-2.35
Top Steel Sheet Wall	265.48			4.49
LTMW-15	263.72	4.21	259.51	-0.08
LTMP-15	263.32	3.73	259.59	
LTMP-15A	263.34	5.54	257.80	1.81
Top Steel Sheet Wall	263.57			3.98
LTMW-05	262.57	3.53	259.04	0.51
LTMP-05	262.33	3.80	258.53	
LTMW-04	266.93	3.02	263.91	3.65
LTMP-04	265.73	5.47	260.26	
LTMW-03	269.36	5.87	263.49	1.88
LTMP-03	268.20	6.59	261.61	
LTMW-02	267.76	6.05	261.71	0.00
LTMP-2A	266.62	4.91	261.71	
LTMP-11	265.54	2.88	262.66	1.90
Top Concrete Barrier Avg.	264.56			
LTMW-12	268.10	5.03	263.07	0.38
LTMP-12	267.41	4.72	262.69	
Top Concrete Barrier Avg.	266.18			3.49
LTMW-13	269.44	6.41	263.03	0.43
LTMP-13	268.23	5.63	262.60	
Top Concrete Barrier Avg.	265.28			2.68

Monthly Well Data
Excelsior Avenue, Former MGP
Saratoga Springs, New York

WELL ID.	DTW	DTP	DTB	Inspected and Secure		Comments
LTMP-01	8.82		16.79	YES	NO	
LTMP-02	9.84		19.10	YES	NO	
LTMP-2A	4.99		15.00	YES	NO	
LTMP-03	6.63		11.59	YES	NO	
LTMP-04	5.66		11.25	YES	NO	
LTMP-05	3.39		14.75	YES	NO	
LTMP-06	4.40		14.46	YES	NO	
LTMP-14	5.62		8.87	YES	NO	
LTMP-15	3.98		11.17	YES	NO	
LTMW-01	6.00		15.70	YES	NO	
LTMW-02	6.11		13.53	YES	NO	
LTMW-03	6.51		12.09	YES	NO	
LTMW-04	4.49		12.56	YES	NO	
LTMW-05	4.34		13.00	YES	NO	
LTMW-6A	5.49		15.38	YES	NO	
LTMW-14	1.54		17.78	YES	NO	
LTMW-15	4.35		10.77	YES	NO	
LTMP-06A	6.48		7.37	YES	NO	French drain piezometer
LTMP-14A	3.41		8.87	YES	NO	French drain piezometer
LTMP-15A	5.53		7.14	YES	NO	French drain piezometer
DW-1	5.16		23.10	YES	NO	
DW-2	4.16		15.80	YES	NO	
DW-3	4.93		27.85	YES	NO	
DW-4	4.54		25.50	YES	NO	
DW-5	4.32		24.70	YES	NO	
DW-6	4.21		28.30	YES	NO	
DW-7	4.48		9.00	YES	NO	
MW-EPA-01R	4.54		9.65	YES	NO	
MW-EPA-03R	4.47		13.84	YES	NO	
LTMP-11	2.76		14.25	YES	NO	
LTMP-12	4.62		17.02	YES	NO	
LTMW-12	5.12		20.10	YES	NO	
LTMP-13	5.56		22.90	YES	NO	
LTMW-13	6.24		23.05	YES	NO	.

Containment

Well Id.	Well Elevation	DTW	Water Elevation	Positive Delta
LTMW-01	273.44	6.00	267.44	n/a
LTMW-14	268.08	1.54	266.54	4.51
LTMP-14	267.65	5.62	262.03	
LTMP-14A	267.86	3.41	264.45	2.21
Top Steel Sheet Wall	268.02			5.99
LTMW-6A	265.41	5.49	259.92	-0.77
LTMP-06	265.09	4.40	260.69	
LTMP-06A	264.54	6.48	258.06	-2.08
Top Steel Sheet Wall	265.48			4.79
LTMW-15	263.72	4.35	259.37	0.03
LTMP-15	263.32	3.98	259.34	
LTMP-15A	263.34	5.53	257.81	1.55
Top Steel Sheet Wall	263.57			4.23
LTMW-05	262.57	4.34	258.23	-0.71
LTMP-05	262.33	3.39	258.94	
LTMW-04	266.93	4.49	262.44	2.37
LTMP-04	265.73	5.66	260.07	
LTMW-03	269.36	6.51	262.85	1.28
LTMP-03	268.20	6.63	261.57	
LTMW-02	267.76	6.11	261.65	0.02
LTMP-2A	266.62	4.99	261.63	
LTMP-11	265.54	2.76	262.78	1.78
Top Concrete Barrier Avg.	264.56			
LTMW-12	268.10	5.12	262.98	0.19
LTMP-12	267.41	4.62	262.79	
Top Concrete Barrier Avg.	266.18			3.39
LTMW-13	269.44	6.24	263.20	0.53
LTMP-13	268.23	5.56	262.67	
Top Concrete Barrier Avg.	265.28			2.61

Monthly Well Data
Excelsior Avenue, Former MGP
Saratoga Springs, New York

WELL ID.	DTW	DTP	DTB	Inspected and Secure		Comments
LTMP-01	8.64	NP	16.79	YES	NO	
LTMP-02	9.56	NP	19.10	YES	NO	
LTMP-2A	4.73	NP	15.00	YES	NO	
LTMP-03	6.21	NP	11.59	YES	NO	
LTMP-04	5.59	NP	11.25	YES	NO	
LTMP-05	3.32	NP	14.75	YES	NO	
LTMP-06	3.90	NP	14.46	YES	NO	
LTMP-14	5.27	NP	8.87	YES	NO	
LTMP-15	3.60	NP	11.17	YES	NO	
LTMW-01	5.93	NP	15.70	YES	NO	
LTMW-02	6.07	NP	13.53	YES	NO	
LTMW-03	6.21	NP	12.09	YES	NO	
LTMW-04	3.80	NP	12.56	YES	NO	
LTMW-05	3.82	NP	13.00	YES	NO	
LTMW-6A	5.58	NP	15.38	YES	NO	
LTMW-14	0.94	NP	17.78	YES	NO	
LTMW-15	5.48	NP	10.77	YES	NO	
LTMP-06A	6.47	NP	7.37	YES	NO	French drain piezometer
LTMP-14A	3.13	NP	8.87	YES	NO	French drain piezometer
LTMP-15A	5.49	NP	7.14	YES	NO	French drain piezometer
DW-1	4.94	NP	23.10	YES	NO	
DW-2	3.73	NP	15.80	YES	NO	
DW-3	4.70	NP	27.85	YES	NO	
DW-4	4.25	NP	25.50	YES	NO	
DW-5	3.85	NP	24.70	YES	NO	
DW-6	3.89	NP	28.30	YES	NO	
DW-7	4.08	NP	9.00	YES	NO	
MW-EPA-01R	4.39	NP	9.65	YES	NO	
MW-EPA-03R	4.31	NP	13.84	YES	NO	
LTMP-11	2.79	NP	14.25	YES	NO	
LTMP-12	4.64	NP	17.02	YES	NO	
LTMW-12	5.39	NP	20.10	YES	NO	
LTMP-13	5.67	trace	22.90	YES	NO	
LTMW-13	6.74	NP	23.05	YES	NO	.

Containment

Well Id.	Well Elevation	DTW	Water Elevation	Positive Delta
LTMW-01	273.44	5.93	267.51	n/a
LTMW-14	268.08	0.94	267.14	4.76
LTMP-14	267.65	5.27	262.38	
LTMP-14A	267.86	3.13	264.73	2.14
Top Steel Sheet Wall	268.02			5.64
LTMW-6A	265.41	5.58	259.83	-1.36
LTMP-06	265.09	3.90	261.19	
LTMP-06A	264.54	6.47	258.07	-2.57
Top Steel Sheet Wall	265.48			4.29
LTMW-15	263.72	5.48	258.24	-1.48
LTMP-15	263.32	3.60	259.72	
LTMP-15A	263.34	5.49	257.85	1.89
Top Steel Sheet Wall	263.57			3.85
LTMW-05	262.57	3.82	258.75	-0.26
LTMP-05	262.33	3.32	259.01	
LTMW-04	266.93	3.80	263.13	2.99
LTMP-04	265.73	5.59	260.14	
LTMW-03	269.36	6.21	263.15	1.16
LTMP-03	268.20	6.21	261.99	
LTMW-02	267.76	6.07	261.69	-0.20
LTMP-2A	266.62	4.73	261.89	
LTMP-11	265.54	2.79	262.75	1.81
Top Concrete Barrier Avg.	264.56			
LTMW-12	268.10	5.39	262.71	-0.06
LTMP-12	267.41	4.64	262.77	
Top Concrete Barrier Avg.	266.18			3.41
LTMW-13	269.44	6.74	262.70	0.14
LTMP-13	268.23	5.67	262.56	
Top Concrete Barrier Avg.	265.28			2.72

Monthly Well Data
Excelsior Avenue, Former MGP
Saratoga Springs, New York

WELL ID.	DTW	DTP	DTB	Comments
LTMP-01	8.33	NP	16.79	
LTMP-02	9.36	NP	19.10	
LTMP-2A	4.60	NP	15.00	
LTMP-03	6.45	NP	11.59	
LTMP-04	5.59	NP	11.25	
LTMP-05	3.18	NP	14.75	
LTMP-06	3.45	NP	14.46	
LTMP-14	5.13	NP	8.87	
LTMP-15	3.20	NP	11.17	
LTMW-01	5.62	NP	15.70	
LTMW-02	6.05	NP	13.53	
LTMW-03	5.76	NP	12.09	
LTMW-04	3.36	NP	12.56	
LTMW-05	3.40	NP	13.00	
LTMW-6A	5.55	NP	15.38	
LTMW-14	0.37	NP	17.78	
LTMW-15	4.00	NP	10.77	
LTMP-06A	6.29	NP	7.37	French drain piezometer
LTMP-14A	2.76	NP	8.87	French drain piezometer
LTMP-15A	5.46	NP	7.14	French drain piezometer
DW-1	4.74	NP	23.10	No DNAPL
DW-2	3.45	NP	15.80	No DNAPL
DW-3	4.53	NP	27.85	No DNAPL
DW-4	3.72	NP	25.50	No DNAPL
DW-5	3.18	NP	24.70	No DNAPL
DW-6	3.57	NP	28.30	No DNAPL
DW-7	3.43	NP	9.00	No DNAPL
MW-EPA-01R	4.19	NP	9.65	
MW-EPA-03R	4.31	NP	13.84	
LTMP-11	2.71	NP	14.25	
LTMP-12	4.58	NP	17.02	
LTMW-12	5.05	NP	20.10	
LTMP-13	5.45	trace	22.90	
LTMW-13	6.00	NP	23.05	.

Containment

Well Id.	Well Elevation	DTW	Water Elevation	Positive Delta
LTMW-01	273.44	5.62	267.82	n/a
LTMW-14	268.08	0.37	267.71	5.19
LTMP-14	267.65	5.13	262.52	
LTMP-14A	267.86	2.76	265.10	2.37
Top Steel Sheet Wall	268.02			5.50
LTMW-6A	265.41	5.55	259.86	-2.36
LTMP-06	265.09	2.87	262.22	
LTMP-06A	264.54	6.29	258.25	-3.42
Top Steel Sheet Wall	265.48			3.26
LTMW-15	263.72	4.00	259.72	-0.40
LTMP-15	263.32	3.20	260.12	
LTMP-15A	263.34	5.46	257.88	2.26
Top Steel Sheet Wall	263.57			3.45
LTMW-05	262.57	3.40	259.17	0.02
LTMP-05	262.33	3.18	259.15	
LTMW-04	266.93	3.36	263.57	3.43
LTMP-04	265.73	5.59	260.14	
LTMW-03	269.36	5.76	263.60	1.85
LTMP-03	268.20	6.45	261.75	
LTMW-02	267.76	6.05	261.71	-0.31
LTMP-2A	266.62	4.60	262.02	
LTMP-11	265.54	2.71	262.83	1.73
Top Concrete Barrier Avg.	264.56			
LTMW-12	268.10	5.05	263.05	0.22
LTMP-12	267.41	4.58	262.83	
Top Concrete Barrier Avg.	266.18			3.35
LTMW-13	269.44	6.00	263.44	0.66
LTMP-13	268.23	5.45	262.78	
Top Concrete Barrier Avg.	265.28			2.50

Monthly Well Data
Excelsior Avenue, Former MGP
Saratoga Springs, New York

WELL ID.	DTW	DTP	DTB	Comments
LTMP-01	8.00	NP	16.79	
LTMP-02	9.42	NP	19.10	
LTMP-2A	4.26	NP	15.00	
LTMP-03	6.00	NP	11.59	
LTMP-04	4.62	NP	11.25	
LTMP-05	2.33	NP	14.75	
LTMP-06	2.30	NP	14.46	
LTMP-14	4.33	NP	8.87	
LTMP-15	2.34	NP	11.17	
LTMW-01	5.37	NP	15.70	
LTMW-02	5.84	NP	13.53	
LTMW-03	4.28	NP	12.09	
LTMW-04	1.60	NP	12.56	
LTMW-05	2.09	NP	13.00	
LTMW-6A	5.55	NP	15.38	
LTMW-14	0.13	NP	17.78	
LTMW-15	3.92	NP	10.77	
LTMP-06A	6.31	NP	7.37	French drain piezometer
LTMP-14A	2.69	NP	8.87	French drain piezometer
LTMP-15A	5.48	NP	7.14	French drain piezometer
DW-1	4.42	NP	23.10	No DNAPL
DW-2	1.20	NP	15.80	No DNAPL
DW-3	4.24	NP	27.85	No DNAPL
DW-4	3.27	NP	25.50	No DNAPL
DW-5	2.88	NP	24.70	No DNAPL
DW-6	2.90	NP	28.30	No DNAPL
DW-7	2.86	NP	9.00	No DNAPL
MW-EPA-01R	3.36	NP	9.65	
MW-EPA-03R	4.05	NP	13.84	
LTMP-11	2.71	NP	14.25	
LTMP-12	4.58	NP	17.02	
LTMW-12	4.50	NP	20.10	
LTMP-13	N/A	trace	22.90	under car
LTMW-13	6.00	NP	23.05	.

Containment

Well Id.	Well Elevation	DTW	Water Elevation	Positive Delta
LTMW-01	273.44	5.37	268.07	n/a
LTMW-14	268.08	0.13	267.95	4.63
LTMP-14	267.65	4.33	263.32	
LTMP-14A	267.86	2.69	265.17	1.64
Top Steel Sheet Wall	268.02			4.70
LTMW-6A	265.41	5.55	259.86	-2.36
LTMP-06	265.09	2.87	262.22	
LTMP-06A	264.54	6.31	258.23	-3.44
Top Steel Sheet Wall	265.48			3.26
LTMW-15	263.72	3.92	259.80	-1.18
LTMP-15	263.32	2.34	260.98	
LTMP-15A	263.34	5.48	257.86	3.14
Top Steel Sheet Wall	263.57			2.59
LTMW-05	262.57	2.09	260.48	0.48
LTMP-05	262.33	2.33	260.00	
LTMW-04	266.93	1.60	265.33	4.22
LTMP-04	265.73	4.62	261.11	
LTMW-03	269.36	4.28	265.08	2.88
LTMP-03	268.20	6.00	262.20	
LTMW-02	267.76	5.84	261.92	-0.44
LTMP-2A	266.62	4.26	262.36	
LTMP-11	265.54	2.71	262.83	1.73
Top Concrete Barrier Avg.	264.56			
LTMW-12	268.10	4.50	263.60	0.77
LTMP-12	267.41	4.58	262.83	
Top Concrete Barrier Avg.	266.18			3.35
LTMW-13	269.44	6.00	263.44	#VALUE!
LTMP-13	268.23	N/A	#VALUE!	
Top Concrete Barrier Avg.	265.28			#VALUE!

Monthly Well Data
Excelsior Avenue, Former MGP
Saratoga Springs, New York

WELL ID.	DTW	DTP	DTB	Comments
LTMP-01	7.96	NP	16.79	
LTMP-02	8.96	NP	19.10	
LTMP-2A	4.02	NP	15.00	
LTMP-03	5.61	NP	11.59	
LTMP-04	3.80	NP	11.25	
LTMP-05	1.98	NP	14.75	
LTMP-06	0.87	NP	14.46	
LTMP-14	3.09	NP	8.87	
LTMP-15	1.29	NP	11.17	
LTMW-01	5.39	NP	15.70	
LTMW-02	5.68	NP	13.53	
LTMW-03	3.86	NP	12.09	
LTMW-04	1.30	NP	12.56	
LTMW-05	1.94	NP	13.00	
LTMW-6A	5.51	NP	15.38	
LTMW-14	0.14	NP	17.78	
LTMW-15	3.82	NP	10.77	
LTMP-06A	6.24	NP	7.37	French drain piezometer
LTMP-14A	2.73	NP	8.87	French drain piezometer
LTMP-15A	5.49	NP	7.14	French drain piezometer
DW-1	4.19	NP	23.10	No DNAPL
DW-2	0.77	NP	15.80	No DNAPL
DW-3	4.02	NP	27.85	No DNAPL
DW-4	2.19	NP	25.50	No DNAPL
DW-5	1.59	NP	24.70	No DNAPL
DW-6	2.08	NP	28.30	No DNAPL
DW-7	2.29	NP	9.00	No DNAPL
MW-EPA-01R	1.04	NP	9.65	
MW-EPA-03R	3.96	NP	13.84	
LTMP-11	2.25	NP	14.25	
LTMP-12	4.63	NP	17.02	
LTMW-12	4.31	NP	20.10	
LTMP-13	5.55	trace	22.90	trace on probe
LTMW-13	6.00	NP	23.05	.

Containment

Well Id.	Well Elevation	DTW	Water Elevation	Positive Delta
LTMW-01	273.44	5.39	268.05	n/a
LTMW-14	268.08	0.14	267.94	3.38
LTMP-14	267.65	3.09	264.56	
LTMP-14A	267.86	2.73	265.13	0.36
Top Steel Sheet Wall	268.02			3.46
LTMW-6A	265.41	5.51	259.90	-2.32
LTMP-06	265.09	2.87	262.22	
LTMP-06A	264.54	6.24	258.30	-3.37
Top Steel Sheet Wall	265.48			3.26
LTMW-15	263.72	3.82	259.90	-2.13
LTMP-15	263.32	1.29	262.03	
LTMP-15A	263.34	5.49	257.85	4.20
Top Steel Sheet Wall	263.57			1.54
LTMW-05	262.57	1.94	260.63	0.28
LTMP-05	262.33	1.98	260.35	
LTMW-04	266.93	1.30	265.63	3.70
LTMP-04	265.73	3.80	261.93	
LTMW-03	269.36	3.86	265.50	2.91
LTMP-03	268.20	5.61	262.59	
LTMW-02	267.76	5.68	262.08	-0.52
LTMP-2A	266.62	4.02	262.60	
LTMP-11	265.54	2.25	263.29	1.27
Top Concrete Barrier Avg.	264.56			
LTMW-12	268.10	4.31	263.79	1.01
LTMP-12	267.41	4.63	262.78	
Top Concrete Barrier Avg.	266.18			3.40
LTMW-13	269.44	6.00	263.44	0.76
LTMP-13	268.23	5.55	262.68	
Top Concrete Barrier Avg.	265.28			2.60

Monthly Well Data
Excelsior Avenue, Former MGP
Saratoga Springs, New York

WELL ID.	DTW	DTP	DTB	Comments
LTMP-01	9.32	NP	16.79	
LTMP-02	9.69	NP	19.10	
LTMP-2A	4.57	NP	15.00	
LTMP-03	6.16	NP	11.59	
LTMP-04	5.14	NP	11.25	
LTMP-05	3.34	NP	14.75	
LTMP-06	2.42	NP	14.46	
LTMP-14	4.48	NP	8.87	
LTMP-15	2.63	NP	11.17	
LTMW-01	5.55	NP	15.70	
LTMW-02	5.89	NP	13.53	
LTMW-03	4.65	NP	12.09	
LTMW-04	0.91	NP	12.56	
LTMW-05	2.06	NP	13.00	
LTMW-6A	5.31	NP	15.38	
LTMW-14	0.75	NP	17.78	
LTMW-15	4.10	NP	10.77	
LTMP-06A	6.26	NP	7.37	French drain piezometer
LTMP-14A	3.08	NP	8.87	French drain piezometer
LTMP-15A	5.54	NP	7.14	French drain piezometer
DW-1	4.92	NP	23.10	No DNAPL
DW-2	1.88	NP	15.80	No DNAPL
DW-3	4.65	NP	27.85	No DNAPL
DW-4	3.53	NP	25.50	No DNAPL
DW-5	2.82	NP	24.70	No DNAPL
DW-6	3.42	NP	28.30	No DNAPL
DW-7	3.12	NP	9.00	No DNAPL
MW-EPA-01R	3.46	NP	9.65	
MW-EPA-03R	4.16	NP	13.84	
LTMP-11	2.98	NP	14.25	
LTMP-12	4.88	NP	17.02	
LTMW-12	4.61	NP	20.10	
LTMP-13	6.02	trace	22.90	trace on probe
LTMW-13	5.53	NP	23.05	.

Containment

Well Id.	Well Elevation	DTW	Water Elevation	Positive Delta
LTMW-01	273.44	5.55	267.89	n/a
LTMW-14	268.08	0.75	267.33	4.16
LTMP-14	267.65	4.48	263.17	
LTMP-14A	267.86	3.08	264.78	1.40
Top Steel Sheet Wall	268.02			4.85
LTMW-6A	265.41	5.31	260.10	-2.57
LTMP-06	265.09	2.42	262.67	
LTMP-06A	264.54	6.26	258.28	-3.84
Top Steel Sheet Wall	265.48			2.81
LTMW-15	263.72	4.10	259.62	-1.07
LTMP-15	263.32	2.63	260.69	
LTMP-15A	263.34	5.54	257.80	2.91
Top Steel Sheet Wall	263.57			2.88
LTMW-05	262.57	2.06	260.51	1.52
LTMP-05	262.33	3.34	258.99	
LTMW-04	266.93	0.91	266.02	5.43
LTMP-04	265.73	5.14	260.59	
LTMW-03	269.36	4.65	264.71	2.67
LTMP-03	268.20	6.16	262.04	
LTMW-02	267.76	5.89	261.87	-0.18
LTMP-2A	266.62	4.57	262.05	
LTMP-11	265.54	2.98	262.56	2.00
Top Concrete Barrier Avg.	264.56			
LTMW-12	268.10	4.61	263.49	0.96
LTMP-12	267.41	4.88	262.53	
Top Concrete Barrier Avg.	266.18			3.65
LTMW-13	269.44	5.53	263.91	1.70
LTMP-13	268.23	6.02	262.21	
Top Concrete Barrier Avg.	265.28			3.07

Monthly Well Data
Excelsior Avenue, Former MGP
Saratoga Springs, New York

WELL ID.	DTW	DTP	DTB	Comments
LTMP-01	9.04	NP	16.79	
LTMP-02	9.93	NP	19.10	
LTMP-2A	4.97	NP	15.00	
LTMP-03	6.65	NP	11.59	
LTMP-04	5.30	NP	11.25	
LTMP-05	3.63	NP	14.75	
LTMP-06	3.04	NP	14.46	
LTMP-14	5.07	NP	8.87	
LTMP-15	2.97	NP	11.17	
LTMW-01	5.83	NP	15.70	
LTMW-02	6.03	NP	13.53	
LTMW-03	5.54	NP	12.09	
LTMW-04	2.31	NP	12.56	
LTMW-05	2.95	NP	13.00	
LTMW-6A	5.60	NP	15.38	
LTMW-14	2.50	NP	17.78	
LTMW-15	4.21	NP	10.77	
LTMP-06A	6.26	NP	7.37	French drain piezometer
LTMP-14A	3.47	NP	8.87	French drain piezometer
LTMP-15A	5.55	NP	7.14	French drain piezometer
DW-1	5.31	NP	23.10	No DNAPL
DW-2	1.20	NP	15.80	No DNAPL
DW-3	5.34	NP	27.85	No DNAPL
DW-4	3.97	NP	25.50	No DNAPL
DW-5	3.23	NP	24.70	No DNAPL
DW-6	3.82	NP	28.30	No DNAPL
DW-7	4.41	NP	9.00	No DNAPL
MW-EPA-01R	4.27	NP	9.65	
MW-EPA-03R	4.42	NP	13.84	
LTMP-11	2.39	NP	14.25	
LTMP-12	5.00	NP	17.02	
LTMW-12	4.75	NP	20.10	
LTMP-13	6.06	trace	22.90	trace on probe
LTMW-13	5.79	NP	23.05	.

Containment

Well Id.	Well Elevation	DTW	Water Elevation	Positive Delta
LTMW-01	273.44	5.83	267.61	n/a
LTMW-14	268.08	2.50	265.58	3.00
LTMP-14	267.65	5.07	262.58	
LTMP-14A	267.86	3.47	264.39	1.60
Top Steel Sheet Wall	268.02			5.44
LTMW-6A	265.41	5.60	259.81	-2.24
LTMP-06	265.09	3.04	262.05	
LTMP-06A	264.54	6.26	258.28	-3.22
Top Steel Sheet Wall	265.48			3.43
LTMW-15	263.72	4.21	259.51	-0.84
LTMP-15	263.32	2.97	260.35	
LTMP-15A	263.34	5.55	257.79	2.58
Top Steel Sheet Wall	263.57			3.22
LTMW-05	262.57	2.95	259.62	0.92
LTMP-05	262.33	3.63	258.70	
LTMW-04	266.93	2.31	264.62	4.19
LTMP-04	265.73	5.30	260.43	
LTMW-03	269.36	5.54	263.82	2.27
LTMP-03	268.20	6.65	261.55	
LTMW-02	267.76	6.03	261.73	0.08
LTMP-2A	266.62	4.97	261.65	
LTMP-11	265.54	2.39	263.15	1.41
Top Concrete Barrier Avg.	264.56			
LTMW-12	268.10	4.75	263.35	0.94
LTMP-12	267.41	5.00	262.41	
Top Concrete Barrier Avg.	266.18			3.77
LTMW-13	269.44	5.79	263.65	1.48
LTMP-13	268.23	6.06	262.17	
Top Concrete Barrier Avg.	265.28			3.11

Monthly Well Data
Excelsior Avenue, Former MGP
Saratoga Springs, New York

WELL ID.	DTW	DTP	DTB	Comments
LTMP-01	9.13	NP	16.79	
LTMP-02	10.17	NP	19.10	
LTMP-2A	5.07	NP	15.00	
LTMP-03	6.74	NP	11.59	
LTMP-04	5.97	NP	11.25	
LTMP-05	3.87	NP	14.75	
LTMP-06	4.45	NP	14.46	
LTMP-14	3.91	NP	8.87	
LTMP-15	3.72	NP	11.17	
LTMW-01	5.02	NP	15.70	
LTMW-02	5.09	NP	13.53	
LTMW-03	6.29	NP	12.09	
LTMW-04	4.39	NP	12.56	
LTMW-05	4.38	NP	13.00	
LTMW-6A	5.70	NP	15.38	
LTMW-14	1.65	NP	17.78	
LTMW-15	4.14	NP	10.77	
LTMP-06A	6.23	NP	7.37	French drain piezometer
LTMP-14A	3.67	NP	8.87	French drain piezometer
LTMP-15A	5.57	NP	7.14	French drain piezometer
DW-1	5.11	NP	23.10	No DNAPL
DW-2	4.29	NP	15.80	No DNAPL
DW-3	5.38	NP	27.85	No DNAPL
DW-4	4.72	NP	25.50	No DNAPL
DW-5	4.29	NP	24.70	No DNAPL
DW-6	4.40	NP	28.30	No DNAPL
DW-7	4.69	NP	9.00	No DNAPL
MW-EPA-01R	4.54	NP	9.65	
MW-EPA-03R	4.33	NP	13.84	
LTMP-11	3.16	NP	14.25	
LTMP-12	5.06	NP	17.02	
LTMW-12	5.09	NP	20.10	
LTMP-13	6.18	trace	22.90	trace on probe
LTMW-13	6.68	NP	23.05	.

Containment

Well Id.	Well Elevation	DTW	Water Elevation	Positive Delta
LTMW-01	273.44	5.02	268.42	n/a
LTMW-14	268.08	1.65	266.43	2.69
LTMP-14	267.65	3.91	263.74	
LTMP-14A	267.86	3.67	264.19	0.24
Top Steel Sheet Wall	268.02			4.28
LTMW-6A	265.41	5.70	259.71	-0.93
LTMP-06	265.09	4.45	260.64	
LTMP-06A	264.54	6.23	258.31	-1.78
Top Steel Sheet Wall	265.48			4.84
LTMW-15	263.72	4.14	259.58	-0.02
LTMP-15	263.32	3.72	259.60	
LTMP-15A	263.34	5.57	257.77	1.85
Top Steel Sheet Wall	263.57			3.97
LTMW-05	262.57	4.38	258.19	-0.27
LTMP-05	262.33	3.87	258.46	
LTMW-04	266.93	4.39	262.54	2.78
LTMP-04	265.73	5.97	259.76	
LTMW-03	269.36	6.29	263.07	1.61
LTMP-03	268.20	6.74	261.46	
LTMW-02	267.76	5.09	262.67	1.12
LTMP-2A	266.62	5.07	261.55	
LTMP-11	265.54	3.16	262.38	2.18
Top Concrete Barrier Avg.	264.56			
LTMW-12	268.10	5.09	263.01	0.66
LTMP-12	267.41	5.06	262.35	
Top Concrete Barrier Avg.	266.18			3.83
LTMW-13	269.44	6.68	262.76	0.71
LTMP-13	268.23	6.18	262.05	
Top Concrete Barrier Avg.	265.28			3.23

Monthly Well Data
Excelsior Avenue, Former MGP
Saratoga Springs, New York

WELL ID.	DTW	DTP	DTB	Comments
LTMP-01	8.65	NP	16.79	
LTMP-02	9.40	NP	19.10	
LTMP-2A	4.66	NP	15.00	
LTMP-03	6.35	NP	11.59	
LTMP-04	5.48	NP	11.25	
LTMP-05	3.38	NP	14.75	
LTMP-06	3.13	NP	14.46	
LTMP-14	5.10	NP	8.87	
LTMP-15	3.11	NP	11.17	
LTMW-01	5.59	NP	15.70	
LTMW-02	6.01	NP	13.53	
LTMW-03	5.17	NP	12.09	
LTMW-04	2.62	NP	12.56	
LTMW-05	3.16	NP	13.00	
LTMW-6A	5.64	NP	15.38	
LTMW-14	1.65	NP	17.78	
LTMW-15	4.01	NP	10.77	
LTMP-06A	6.25	NP	7.37	French drain piezometer
LTMP-14A	3.76	NP	8.87	French drain piezometer
LTMP-15A	5.58	NP	7.14	French drain piezometer
DW-1	4.99	NP	23.10	No DNAPL
DW-2	3.51	NP	15.80	No DNAPL
DW-3	5.01	NP	27.85	No DNAPL
DW-4	3.80	NP	25.50	No DNAPL
DW-5	3.33	NP	24.70	No DNAPL
DW-6	3.32	NP	28.30	No DNAPL
DW-7	3.52	NP	9.00	No DNAPL
MW-EPA-01R	4.01	NP	9.65	
MW-EPA-03R	4.20	NP	13.84	
LTMP-11	3.06	NP	14.25	
LTMP-12	4.96	NP	17.02	
LTMW-12	4.89	NP	20.10	
LTMP-13	5.96	21.84	22.90	pumped 12 ounces
LTMW-13	5.91	NP	23.05	.

Containment

Well Id.	Well Elevation	DTW	Water Elevation	Positive Delta
LTMW-01	273.44	5.59	267.85	n/a
LTMW-14	268.08	1.65	266.43	3.88
LTMP-14	267.65	5.10	262.55	
LTMP-14A	267.86	3.76	264.10	1.34
Top Steel Sheet Wall	268.02			5.47
LTMW-6A	265.41	5.64	259.77	-2.19
LTMP-06	265.09	3.13	261.96	
LTMP-06A	264.54	6.25	258.29	-3.12
Top Steel Sheet Wall	265.48			3.52
LTMW-15	263.72	4.01	259.71	-0.50
LTMP-15	263.32	3.11	260.21	
LTMP-15A	263.34	5.58	257.76	2.47
Top Steel Sheet Wall	263.57			3.36
LTMW-05	262.57	3.16	259.41	0.46
LTMP-05	262.33	3.38	258.95	
LTMW-04	266.93	2.62	264.31	4.06
LTMP-04	265.73	5.48	260.25	
LTMW-03	269.36	5.17	264.19	2.34
LTMP-03	268.20	6.35	261.85	
LTMW-02	267.76	6.01	261.75	-0.21
LTMP-2A	266.62	4.66	261.96	
LTMP-11	265.54	3.06	262.48	2.08
Top Concrete Barrier Avg.	264.56			
LTMW-12	268.10	4.89	263.21	0.76
LTMP-12	267.41	4.96	262.45	
Top Concrete Barrier Avg.	266.18			3.73
LTMW-13	269.44	5.91	263.53	1.26
LTMP-13	268.23	5.96	262.27	
Top Concrete Barrier Avg.	265.28			3.01

Appendix C – Well Sampling Field Data

National Grid
Excelsior Ave, Former MGP Site
Saratoga Springs, New York

Quarterly Event

Well ID.	Sample?	Well Size	DTW	DTP	DTB	Comments
LTMP-01	no	2"	8.65		16.79	
LTMP-02	no	2"	9.40		19.10	
LTMP-2A	no	2"	4.66		15.00	
LTMP-03	no	2"	6.35		11.59	
LTMP-04	no	2"	5.48		11.25	
LTMP-05	no	2"	3.39		14.75	
LTMP-06	no	2"	3.13		14.46	
LTMP-14	no	2"	5.10		8.87	
LTMP-15	no	2"	3.11		11.17	
LTMW-01	yes	2"	5.57		15.70	
LTMW-02	yes	2"	6.01		13.53	Field Duplicate
LTMW-03	yes	2"	5.17		12.09	
LTMW-04	yes	2"	2.42		12.56	MS/MSD
LTMW-05	yes	2"	3.16		13.00	
LTMW-6A	yes	2"	5.64		15.38	
LTMW-14	yes	2"	1.65		17.78	
LTMW-15	yes	2"	4.01		10.77	
LTMP-06A	no	2"	6.25		7.37	
LTMP-14A	no	2"	3.70		8.87	
LTMP-15A	no	2"	5.58		7.14	
DW-1	no	8"	4.99		23.10	
DW-2	no	8"	3.51		15.80	
DW-3	no	8"	5.01		27.85	
DW-4	no	8"	3.80		25.50	
DW-5	no	8"	3.33		24.70	
DW-6	no	8"	3.72		28.30	
DW-7	no	10"	3.52		9.00	
MW-EPA-01R	yes	2"	4.01		9.65	
MW-EPA-03R	yes	2"	4.20		13.84	
LTMP-11	no	2"	3.06		14.25	
LTMP-12	no	2"	4.96		17.02	
LTMW-12	yes	2"	4.89		20.10	
LTMP-13	no	2"	5.96	21.84	22.90	
LTMW-13	yes	2"	5.91		23.05	
ORS	yes	n/a	n/a	-	n/a	
MH-1	yes	n/a	n/a	-	n/a	

National Grid
Excelsior Ave, Former MGP Site, Saratoga Springs, New York

Sampling Personnel: Peter Lyon
Job Number: 0603500-128660-221
Well Id. **LTMW-01**

Date: 11/8/25
Weather: 31° Sunny
Time In: 1013 Time Out: 1050

Well Information

		TOC	Other
Depth to Water:	(feet)	5.59	
Depth to Bottom:	(feet)	15.70	
Depth to Product:	(feet)	—	
Length of Water Column:	(feet)	10.11	
Volume of Water in Well:	(gal)	1.66	
Three Well Volumes:	(gal)	4.85	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [ ] No [X]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	other [ ]	
Sampling Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		
Average Pumping Rate: (ml/min)	200				
Duration of Pumping: (min)	35				
Total Volume Removed: (gal)	2				

Did well go dry? Yes [ ] No [X]

Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors

gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47

1 gallon=3.785L=3785mL=1337cu. feet

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1015	7.13	11.49	2.87	109	2.26	589	12.43	1.43
1020	7.84	11.31	7.71	114	2.21	387	7.98	1.41
1025	7.84	10.83	2.62	120	2.19	283	6.03	1.40
1030	7.68	10.30	2.58	125	2.24	255	5.20	1.44
1035	7.77	10.10	2.60	130	2.28	288	5.35	1.46
1040	2.94	9.99	2.58	130	2.29	189	4.95	1.46
1045	2.94	9.98	2.57	127	2.28	23	4.74	1.45

Sampling Information:

EPA SW-846 Method 8270 SVOC's PAH's
EPA SW-846 Method 8260 VOC's BTEX

2 - 250 mL amber Yes [X] No [ ]
3 - 40 mL vials Yes [X] No [ ]

Sample ID: **LTMW-01**
Sample Time: 1045

Duplicate? Yes [ ] No [X]
MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [ ]
Fed-Ex [ ] Courier [ ]

Laboratory: Eurofins
Amherst, New York

Comments/Notes: Suspect issue with PID sensor

National Grid
Excelsior Ave, Former MGP Site, Saratoga Springs, New York

Sampling Personnel: KL
Job Number: 0603500-128660-221
Well Id. **LTMW-02**

Date: 1/8/25
Weather: SNOW 20°
Time In: 10:00 Time Out: 11:00

Well Information

		TOC	Other
Depth to Water:	(feet)	6.01	
Depth to Bottom:	(feet)	13.53	
Depth to Product:	(feet)	—	
Length of Water Column:	(feet)	7.52	
Volume of Water in Well:	(gal)	1.20	
Three Well Volumes:	(gal)	3.60	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other: ____
Well Diameter: 1" [ ] 2" [X] Other: ____
Comments:

Purging Information

Purging Method:		Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]	
Tubing/Bailer Material:		Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	other [ ]
Sampling Method:		Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]	
Average Pumping Rate:	(ml/min)	200			
Duration of Pumping:	(min)	30			
Total Volume Removed:	(gal)	7			

Did well go dry? Yes [ ] No [X]

Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
10:20	6.03	12.38	7.47	5	2.53	72.9	10.45	1.66
10:25	6.06	11.03	7.32	73	1.51	30.1	10.03	0.946
10:30	6.06	10.59	7.38	68	1.04	14.7	9.70	0.667
10:35	6.06	10.40	7.39	86	0.939	10.1	9.38	0.600
10:40	6.06	10.38	7.40	100	0.904	8.5	9.13	0.578
10:45	6.06	10.31	7.40	109	0.884	7.8	9.00	0.566
10:50	6.06	10.23	7.40	116	0.873	7.2	8.36	0.558

Sampling Information:

EPA SW-846 Method 8270 SVOC's PAH's
EPA SW-846 Method 8260 VOC's BTEX

4 - 250 mL amber Yes [X] No [ ]
6 - 40 mL vials Yes [X] No [ ]

Field Duplicate
Sample ID: **LTMW-02**
Sample Time: 10:50

Duplicate? Yes [X] No [ ]
MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [ ]
Fed-Ex [ ] Courier [ ]

Laboratory: Eurofins
Amherst, New York

Comments/Notes:

National Grid
Excelsior Ave, Former MGP Site, Saratoga Springs, New York

Sampling Personnel: K
Job Number: 0603500-128660-221
Well Id. **LTMW-03**

Date: 1/8/25
Weather: Sny 20
Time In: 11:00 Time Out: 11:55

Well Information

		TOC	Other
Depth to Water:	(feet)	5.17	
Depth to Bottom:	(feet)	12.09	
Depth to Product:	(feet)		
Length of Water Column:	(feet)	6.92	
Volume of Water in Well:	(gal)	1.10	
Three Well Volumes:	(gal)	3.32	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other: ____
Well Diameter: 1" [ ] 2" [X] Other: ____
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	other [ ]	
Sampling Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		
Average Pumping Rate: (ml/min)	200				
Duration of Pumping: (min)	30				
Total Volume Removed: (gal)	2	Did well go dry?	Yes [ ]	No [X]	

Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
11:15	5.70	9.37	7.13	147	2.02	37.4	4.75	1.29
11:20		10.02	7.00	115	1.99	35.5	1.76	1.27
11:25		9.92	6.95	36	1.96	22.6	1.19	1.25
11:30		10.04	6.94	21	1.96	17.5	1.16	1.25
11:35		10.10	6.93	8	1.96	13.8	1.08	1.25
11:40		10.13	6.91	-11	1.97	11.7	0.61	1.26
11:45		10.27	6.90	-24	1.98	11.2	0.31	1.26

Sampling Information:

EPA SW-846 Method 8270 SVOC's PAH's — 2 - 250 mL amber — Yes [X] No [ ]
EPA SW-846 Method 8260 VOC's BTEX — 3 - 40 mL vials — Yes [X] No [ ]

Sample ID: **LTMW-03** Duplicate? Yes [ ] No [X]
Sample Time: 11:45 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [ ] Fed-Ex [ ] Courier [ ]

Laboratory: Eurofins Amherst, New York

Comments/Notes:

National Grid
Excelsior Ave, Former MGP Site, Saratoga Springs, New York

Sampling Personnel: JK
Job Number: 0603500-128660-221
Well Id. **LTMW-04**

Date: 1/9/25
Weather: Sunny 20
Time In: 11:55 Time Out: 12:43

Well Information

		TOC	Other
Depth to Water:	(feet)	2.62	
Depth to Bottom:	(feet)	12.56	
Depth to Product:	(feet)	—	
Length of Water Column:	(feet)	9.94	
Volume of Water in Well:	(gal)	1.59	
Three Well Volumes:	(gal)	4.77	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:		Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]	
Tubing/Bailer Material:		Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	other [ ]
Sampling Method:		Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]	
Average Pumping Rate:	(ml/min)	200			
Duration of Pumping:	(min)	30			
Total Volume Removed:	(gal)	2			

Did well go dry? Yes [ ] No [X]

Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
12:00	3.28	8.24	7.11	47	1.90	76.9	6.01	1.25
12:05	3.15	8.36	6.99	96	2.53	59.9	6.97	1.63
12:10	3.20	8.37	7.06	111	2.66	38.1	6.95	1.70
12:15	3.20	8.79	7.11	129	2.69	24.5	7.07	1.72
12:20	3.20	8.93	7.11	135	2.70	23.3	6.85	1.73
12:25	3.20	8.93	7.11	143	2.70	18.9	6.72	1.73
12:30	3.20	8.98	7.08	151	2.68	11.4	6.30	1.71

Sampling Information:

EPA SW-846 Method 8270 SVOC's PAH's
EPA SW-846 Method 8260 VOC's BTEX

6 - 250 mL amber Yes [X] No [ ]
9 - 40 mL vials Yes [X] No [ ]

LTMW-04-MS and LTMW-04-MSD

Sample ID: **LTMW-04** Duplicate? Yes [ ] No [X]
Sample Time: 12:30 MS/MSD? Yes [X] No [ ]

Shipped: Syracuse Service Center [ ]
Fed-Ex [ ] Courier [ ]

Comments/Notes:

Laboratory: Eurofins
Amherst, New York

National Grid
Excelsior Ave, Former MGP Site, Saratoga Springs, New York

Sampling Personnel: KC
Job Number: 0603500-128660-221
Well Id. **LTMW-05**

Date: 1/8/25
Weather: Snow 20
Time In: 12:45 Time Out: 13:30

Well Information

		TOC	Other
Depth to Water:	(feet)	3.16	
Depth to Bottom:	(feet)	13.00	
Depth to Product:	(feet)	—	
Length of Water Column:	(feet)	9.84	
Volume of Water in Well:	(gal)	1.57	
Three Well Volumes:	(gal)	4.72	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	other [ ]	
Sampling Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		
Average Pumping Rate: (ml/min)	200				
Duration of Pumping: (min)	30				
Total Volume Removed: (gal)	2	Did well go dry?	Yes [ ]	No [X]	

Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
12:50	3.95	9.37	7.29	-76	0.875	522	0.68	0.546
12:55	4.27	9.03	7.21	-61	0.780	435	0.47	0.499
13:00	4.50	8.95	7.34	-55	0.783	230	0.88	0.501
13:05	4.55	9.06	7.45	-61	0.789	115	0.41	0.505
13:10	4.55	9.10	7.50	-67	0.796	87.8	0.11	0.509
13:15	4.55	9.18	7.55	-71	0.798	56.1	0.04	0.511
13:20	4.55	9.27	7.65	-75	0.802	42.6	0.00	0.514

Sampling Information:

EPA SW-846 Method 8270 SVOC's PAH's
EPA SW-846 Method 8260 VOC's BTEX

2 - 250 mL amber Yes [X] No [ ]
3 - 40 mL vials Yes [X] No [ ]

Sample ID: **LTMW-05** Duplicate? Yes [ ] No [X]
Sample Time: 13:20 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [ ]
Fed-Ex [ ] Courier [ ]

Laboratory: Eurofins
Amherst, New York

Comments/Notes:

National Grid
Excelsior Ave, Former MGP Site, Saratoga Springs, New York

Sampling Personnel: Peter Ingo
Job Number: 0603500-128660-221
Well Id. **LTMW-6A**

Date: 1/9/25
Weather: Sunny 20
Time In: 1150 Time Out: 1240

Well Information

		TOC	Other
Depth to Water:	(feet)	5.64	
Depth to Bottom:	(feet)	15.38	
Depth to Product:	(feet)	–	
Length of Water Column:	(feet)	9.74	
Volume of Water in Well:	(gal)	1.53	
Three Well Volumes:	(gal)	4.62	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [ ] No [X]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:		Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]	
Tubing/Bailer Material:		Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	other [ ]
Sampling Method:		Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]	
Average Pumping Rate:	(ml/min)	250			
Duration of Pumping:	(min)	30			
Total Volume Removed:	(gal)	2			

Did well go dry? Yes [ ] No [X]

Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1155	5.72	9.24	7.24	-9	0.824	189	9.13	0.528
1200	5.82	9.82	7.07	-46	0.821	188	1.58	0.527
1205	6.16	10.84	7.06	-60	0.823	171	8.78	0.525
1210	6.23	10.98	7.07	-68	0.825	164	8.80	0.526
1215	6.34	10.81	7.03	-68	0.816	130	8.50	0.522
1220	6.86	10.84	7.09	-69	0.818	107	8.57	0.524
1225	6.57	11.49	7.01	-71	0.816	102	7.47	0.523
1230	6.66	11.05	7.01	-73	0.816	67.3	6.65	0.522
1235	6.74	10.07	7.08	-75	0.828	9.91	3.32	0.530

Sampling Information:

EPA SW-846 Method 8270 SVOC's PAH's
EPA SW-846 Method 8260 VOC's BTEX

2 - 250 mL amber Yes [X] No [ ]
3 - 40 mL vials Yes [X] No [ ]

Sample ID: **LTMW-6A** Duplicate? Yes [ ] No [X]
Sample Time: 1235 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [ ]
Fed-Ex [ ] Courier [ ]

Comments/Notes:

Laboratory: Eurofins
Amherst, New York

National Grid
Excelsior Ave, Former MGP Site, Saratoga Springs, New York

Sampling Personnel: G. ERNST
Job Number: 0603500-128660-221
Well Id. **LTMW-12**

Date: 1/8/25
Weather: pT Cloudy 20°
Time In: 1000 Time Out: 1055

Well Information

		TOC	Other
Depth to Water:	(feet)	4.89	
Depth to Bottom:	(feet)	20.10	
Depth to Product:	(feet)	—	
Length of Water Column:	(feet)	15.21	
Volume of Water in Well:	(gal)	2.43	
Three Well Volumes:	(gal)	7.30	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other: ____
Well Diameter: 1" [ ] 2" [X] Other: ____
Comments:

Purging Information

Purging Method: Bailer [ ] Peristaltic [ ] Well Wizard Dedicated Pump [ ]
Tubing/Bailer Material: Teflon [ ] Stainless St. [ ] Polyethylene [X] other [ ]
Sampling Method: Bailer [ ] Peristaltic [ ] Well Wizard Dedicated Pump [ ]

Average Pumping Rate:	(ml/min)	200
Duration of Pumping:	(min)	30
Total Volume Removed:	(gal)	2

Did well go dry? Yes [ ] No [X]

Horiba U-52 Water Quality Meter Used? Yes [ ] No [X]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47

1 gallon=3.785L=3785mL=1337cu. feet

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1015	4.94	12.02	6.93	-84	3.91	17.0	3.55	2.50
1020	4.96	11.83	7.06	-92	3.92	18.1	1.80	2.52
1025	4.95	12.00	7.11	-99	3.91	29.4	1.08	2.52
1030	4.96	11.78	7.11	-101	3.96	29.8	0.75	2.52
1035	4.96	11.49	7.23	-109	3.99	29.8	0.54	2.55
1040	4.96	11.53	7.26	-109	4.01	30.9	0.50	2.56
1045	4.96	11.66	7.29	-116	3.99	29.7	0.43	2.55

Sampling Information:

USEPA SW-846 Method 8270 SVOC's PAH's
USEPA SW-846 Method 8260 VOC's BTEX

2 - 250 mL amber Yes [X] No [ ]
3 - 40 mL vials Yes [X] No [ ]

Sample ID: **LTMW-12**
Sample Time: 1045

Duplicate? Yes [ ] No [X]
MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [ ]
Fed-Ex [ ] Courier [ ]

Laboratory: Eurofins Amherst, New York

Comments/Notes:

National Grid
Excelsior Ave, Former MGP Site, Saratoga Springs, New York

Sampling Personnel: G. ERNST
Job Number: 0603500-128660-221
Well Id. **LTMW-13**

Date: 1/8/25
Weather: Pt Cloudy 20°
Time In: 1055 Time Out: 1145

Well Information

		TOC	Other
Depth to Water:	(feet)	5.91	
Depth to Bottom:	(feet)	23.05	
Depth to Product:	(feet)	—	
Length of Water Column:	(feet)	17.14	
Volume of Water in Well:	(gal)	2.74	
Three Well Volumes:	(gal)	8.23	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other: ____
Well Diameter: 1" [ ] 2" [X] Other: ____
Comments:

Purging Information

Purging Method:		Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [ ]	
Tubing/Bailer Material:		Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	other [ ]
Sampling Method:		Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [ ]	
Average Pumping Rate:	(ml/min)	200			
Duration of Pumping:	(min)	30			
Total Volume Removed:	(gal)	2			

Did well go dry? Yes [ ] No [X]

Horiba U-52 Water Quality Meter Used? Yes [ ] No [X]

Conversion Factors

gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47

1 gallon=3.785L=3785mL=1337cu. feet

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1105	5.98	9.48	7.27	-75	4.64	286	4.88	2.96
1110	5.94	9.66	7.01	-80	4.68	129	1.91	3.00
1115	5.95	9.83	6.94	-79	4.75	71.9	1.67	3.05
1120	5.96	9.96	6.95	-76	4.77	41.4	1.40	3.06
1125	5.96	10.01	6.92	-74	4.75	34.3	1.25	3.03
1130	5.96	9.99	6.92	-72	4.79	27.5	1.18	3.06
1135	5.97	9.98	6.91	-71	4.75	22.6	1.68	3.04

Sampling Information:

USEPA SW-846 Method 8270 SVOC's PAH's
USEPA SW-846 Method 8260 VOC's BTEX

2 - 250 mL amber Yes [X] No [ ]
3 - 40 mL vials Yes [X] No [ ]

Sample ID: **LTMW-13** Duplicate? Yes [ ] No [X]
Sample Time: 1135 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [ ]
Fed-Ex [ ] Courier [ ]

Laboratory: Eurofins
Amherst, New York

Comments/Notes:

National Grid
Excelsior Ave, Former MGP Site, Saratoga Springs, New York

Sampling Personnel: Peter Lyon
Job Number: 0603500-128660-221
Well Id. **LTMW-14**

Date: 1/8/25
Weather: 21° Sunny
Time In: 1101 Time Out: 1140

Well Information

		TOC	Other
Depth to Water:	(feet)	1.65	
Depth to Bottom:	(feet)	17.78	
Depth to Product:	(feet)	-	
Length of Water Column:	(feet)	15.53	
Volume of Water in Well:	(gal)	2.48	
Three Well Volumes:	(gal)	7.45	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other: ____
Well Diameter: 1" [ ] 2" [X] Other: ____
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	other [ ]	
Sampling Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		

Average Pumping Rate:	(ml/min)	200
Duration of Pumping:	(min)	30
Total Volume Removed:	(gal)	2

Did well go dry? Yes [ ] No [X]

Horiba U-52 Water Quality Meter Used? Yes [ ] No [X]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1105	1.70	8.03	7.68	147	0.910	78.6	39.23	0.586
1110	1.71	8.06	7.70	143	0.911	76.0	26.96	0.583
1115	1.70	7.95	7.65	150	0.888	53.5	8.52	0.566
1120	1.71	7.53	7.61	~~156~~ 156	0.991	55.9	6.92	0.570
1125	1.71	7.59	7.60	158	0.886	52.7	6.31	0.569
1130	1.71	7.57	7.60	160	0.886	53.6	6.05	0.569
1135	1.71	7.55	7.56	159	0.916	53.4	6.79	0.587

Sampling Information:

EPA SW-846 Method 8270 SVOC's PAH's
EPA SW-846 Method 8260 VOC's BTEX

2 - 250 mL amber Yes [X] No [ ]
3 - 40 mL vials Yes [X] No [ ]

Sample ID: **LTMW-14** Duplicate? Yes [ ] No [X]
Sample Time: 1135 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [ ]
Fed-Ex [ ] Courier [ ]

Laboratory: Eurofins Amherst, New York

Comments/Notes:

National Grid
Excelsior Ave, Former MGP Site, Saratoga Springs, New York

Sampling Personnel: Peter Lyon
Job Number: 0603500-128660-221
Well Id. **LTMW-15**

Date: 1/8/25
Weather: 21° Sunny
Time In: 1255 Time Out: 1335

Well Information

		TOC	Other
Depth to Water:	(feet)	4.01	
Depth to Bottom:	(feet)	10.77	
Depth to Product:	(feet)	-	
Length of Water Column:	(feet)	6.76	
Volume of Water in Well:	(gal)	1.08	
Three Well Volumes:	(gal)	3.24	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other: ____
Well Diameter: 1" [ ] 2" [X] Other: ____
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	other [ ]	
Sampling Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		
Average Pumping Rate: (ml/min)	200				
Duration of Pumping: (min)	30				
Total Volume Removed: (gal)	2				

Did well go dry? Yes [ ] No [X]

Horiba U-52 Water Quality Meter Used? Yes [ ] No [X]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1300	4.61	9.15	2.01	-57	1.19	25.9	2.57	0.762
1305	5.15	9.46	2.10	-85	1.21	20.9	2.38	0.772
1310	5.21	9.54	2.14	-95	1.20	18.9	3.13	0.770
1315	5.24	9.70	2.17	-103	1.19	15.6	3.14	0.764
1320	5.27	9.80	2.19	-107	1.19	15.7	3.41	0.760
1325	5.30	9.70	2.19	-110	1.18	11.2	3.43	0.758
1330	5.61	9.82	2.21	-113	1.18	9.6	3.60	0.756

Sampling Information:

EPA SW-846 Method 8270 SVOC's PAH's — 2 - 250 mL amber — Yes [X] No [ ]
EPA SW-846 Method 8260 VOC's BTEX — 3 - 40 mL vials — Yes [X] No [ ]

Sample ID: **LTMW-15** Duplicate? Yes [ ] No [X]
Sample Time: 1330 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [ ] Fed-Ex [ ] Courier [ ]

Laboratory: Eurofins Amherst, New York

Comments/Notes:

National Grid
Excelsior Ave, Former MGP Site, Saratoga Springs, New York

Sampling Personnel: C. ERNST
Job Number: 0603500-128660-221
Well Id. **MW-EPA-01R**

Date: 1/8/25
Weather: PT Cloudy 20°
Time In: 1245 Time Out: 1320

Well Information

		TOC	Other
Depth to Water:	(feet)	4.01	
Depth to Bottom:	(feet)	9.65	
Depth to Product:	(feet)	—	
Length of Water Column:	(feet)	5.64	
Volume of Water in Well:	(gal)	0.90	
Three Well Volumes:	(gal)	2.70	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	other [ ]	
Sampling Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		
Average Pumping Rate: (ml/min)	200				
Duration of Pumping: (min)	30				
Total Volume Removed: (gal)	2	Did well go dry?	Yes [ ]	No [X]	
Horiba U-52 Water Quality Meter Used?		Yes [ ]	No [X]		

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1255	4.67	6.90	7.37	-3	1.58	77.0	11.18	1.05
1300	4.89	8.35	7.26	-26	1.80	65.7	3.18	1.15
1305	5.06	8.60	7.22	-25	1.85	44.0	2.40	1.19
1310	5.14	8.80	7.17	-30	1.94	27.2	1.61	1.25
1315	5.27	9.01	7.18	-36	2.00	17.5	1.15	1.29
1320	5.29	9.14	7.12	-39	2.07	10.8	0.86	1.32
1325		9.22	7.14	-44	2.09	9.0	0.81	1.34

Sampling Information:

EPA SW-846 Method 8270 SVOC's PAH's — 2 - 250 mL amber — Yes [X] No [ ]
EPA SW-846 Method 8260 VOC's BTEX — 3 - 40 mL vials — Yes [X] No [ ]

Sample ID: **MW-EPA-01R** Duplicate? Yes [ ] No [X]
Sample Time: 1325 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [ ] Fed-Ex [ ] Courier [ ]

Comments/Notes:

Laboratory: Eurofins Amherst, New York

National Grid
Excelsior Ave, Former MGP Site, Saratoga Springs, New York

Sampling Personnel: G. ERNST
Job Number: 0603500-128660-221
Well Id. **MW-EPA-03R**

Date: 1/8/25
Weather: PT Cloudy 20°
Time In: 1145 Time Out: 1245

Well Information

		TOC	Other
Depth to Water:	(feet)	4.20	
Depth to Bottom:	(feet)	10.77	
Depth to Product:	(feet)	~	
Length of Water Column:	(feet)	6.57	
Volume of Water in Well:	(gal)	1.05	
Three Well Volumes:	(gal)	3.15	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other: ____
Well Diameter: 1" [ ] 2" [X] Other: ____
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	other [ ]	
Sampling Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		

Average Pumping Rate:	(ml/min)	200
Duration of Pumping:	(min)	30
Total Volume Removed:	(gal)	2

Did well go dry? Yes [ ] No [X]

Horiba U-52 Water Quality Meter Used? Yes [ ] No [X]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1205	4.62	8.58	7.09	-31	3.32	13.9	0.23	2.11
1210	4.47	6.84	7.11	-37	3.36	7.0	0.00	2.15
1215	4.51	6.39	7.09	-41	3.42	6.0	0.00	2.19
1220	4.53	6.64	7.08	-46	3.48	4.8	0.00	2.23
1225	4.53	6.72	7.07	-49	3.49	3.9	0.00	2.23
1230	4.53	6.53	7.05	-50	3.49	3.4	0.00	2.24
1235	4.53	6.42	7.07	-51	3.50	3.5	0.00	2.24

Sampling Information:

EPA SW-846 Method 8270 SVOC's PAH's — 2 - 250 mL amber — Yes [X] No [ ]
EPA SW-846 Method 8260 VOC's BTEX — 3 - 40 mL vials — Yes [X] No [ ]

Sample ID: **MW-EPA-03R** Duplicate? Yes [ ] No [X]
Sample Time: 1235 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [ ] Fed-Ex [ ] Courier [ ]

Comments/Notes:

Laboratory: Eurofins Amherst, New York

National Grid
Excelsior Ave, Former MGP Site, Saratoga Springs, New York

Sampling Personnel: Peter Lyon
Job Number: 0603500-128660-221
Well Id. **MH-1**

Date: 1/8/15
Weather: 21° Overcast
Time In: 1350 Time Out: 1355

Time		Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1350		7.22	7.05	-73	2.64	13.7	4.75	1.68

Sampling Information:

EPA SW-846 Method 8270 SVOC's PAH's
EPA SW-846 Method 8260 VOC's BTEX

2 - 250 mL amber Yes [X] No [ ]
3 - 40 mL vials Yes [X] No [ ]

Sample ID: **MH-1**
Sample Time: 1350

Duplicate? Yes [ ] No [X]
MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [ ]
Fed-Ex [ ] Courier [ ]

Laboratory: Eurofins
Amherst, New York

Comments/Notes:

National Grid
Excelsior Ave, Former MGP Site, Saratoga Springs, New York

Sampling Personnel: G. ERNST
Job Number: 0603500-128660-221
Well Id. **Old Red Spring**

Date: 1/8/25
Weather: PT Cloudy 20°
Time In: 1330 Time Out: 1340

Time		Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1330		11.36	6.73	18	3.36	18.6	6.35	2.14

Sampling Information:

EPA SW-846 Method 8270 SVOC's PAH's — 2 - 250 mL amber — Yes [X] No [ ]
EPA SW-846 Method 8260 VOC's BTEX — 3 - 40 mL vials — Yes [X] No [ ]

Sample ID: **ORS** Duplicate? Yes [ ] No [X]
Sample Time: 1335 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [ ]
Fed-Ex [ ] Courier [ ]

Comments/Notes:

Laboratory: Eurofins
Amherst, New York

Well ID.	Sample?	Well Size	DTW	DTP	DTB	Comments
LTMP-01	no	2"	9.37		16.79	
LTMP-02	no	2"	9.68		19.10	
LTMP-2A	no	2"	4.57		15.00	
LTMP-03	no	2"	6.16		11.59	
LTMP-04	no	2"	5.14		11.25	
LTMP-05	no	2"	3.34		14.75	
LTMP-06	no	2"	2.42		14.46	
LTMP-14	no	2"	4.48		8.87	
LTMP-15	no	2"	2.63		11.17	
LTMW-01	yes	2"	5.55		15.70	
LTMW-02	yes	2"	5.89		13.53	Field Duplicate
LTMW-03	yes	2"	4.65		12.09	
LTMW-04	yes	2"	0.91		12.56	MS/MSD
LTMW-05	yes	2"	2.06		13.00	
LTMW-6A	yes	2"	5.31		15.38	
LTMW-14	yes	2"	0.75		17.78	
LTMW-15	yes	2"	4.10		10.77	
LTMP-06A	no	2"	6.26		7.37	
LTMP-14A	no	2"	3.08		8.87	
LTMP-15A	no	2"	5.54		7.14	
DW-1	no	8"	4.92		23.10	
DW-2	no	8"	1.88		15.80	
DW-3	no	8"	4.65		27.85	
DW-4	no	8"	3.53		25.50	
DW-5	no	8"	2.82		24.70	
DW-6	no	8"	3.46		28.30	
DW-7	no	10"	3.12		9.00	
MW-EPA-01R	yes	2"	3.46		9.65	
MW-EPA-03R	yes	2"	4.16		13.84	
LTMP-11	no	2"	2.98		14.25	
LTMP-12	no	2"	4.87		17.02	
LTMW-12	yes	2"	4.61		20.10	
LTMP-13	no	2"	6.02 ~~5.53~~	Slight Trace	22.90	
LTMW-13	yes	2"	5.53 ~~6.02~~	Slight Trace	23.05	
ORS	yes	n/a	n/a	-	n/a	
MH-1	yes	n/a	n/a	-	n/a	

Well ID.	Sample?	Well Size	DTW	DTP	DTB	Comments
LTMW-06	yes	2"	5.57		19.41	
LTMW-07	yes	2"	5.58		28.25	
LTMW-08	yes	2"	9.37		27.23	*SAMPLE IN OCTOBER ONLY*

MW-03 4.05 1505

National Grid
Excelsior Ave, Former MGP Site, Saratoga Springs, New York

Sampling Personnel: Peter Lyon
Date: 4/3/25
Job Number: 0603500-128660-221
Weather: 56° overcast
Well Id. **LTMW-01**
Time In: 1405 Time Out: 1515

Well Information

		TOC	Other
Depth to Water:	(feet)	5.55	
Depth to Bottom:	(feet)	15.70	
Depth to Product:	(feet)	-	
Length of Water Column:	(feet)	10.15	
Volume of Water in Well:	(gal)	1.62	
Three Well Volumes:	(gal)	4.87	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [ ] No [X]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	other [ ]	
Sampling Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		
Average Pumping Rate: (ml/min)	200				
Duration of Pumping: (min)	30				
Total Volume Removed: (gal)	2				

Did well go dry? Yes [ ] No [X]

Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1410	5.96	12.75	2.42	40	2.03	101	7.05	1.33
1415	5.98	11.90	7.39	53	2.12	125	4.53	1.36
1420	6.69	11.41	7.37	60	2.15	229	3.78	1.38
1425	6.95	11.21	7.36	68	2.13	206	2.74	1.36
1430	7.05	11.22	2.34	74	2.15	155	3.19	1.38
1435	7.21	11.38	2.38	77	2.15	118	3.98	1.38
1440	7.17	11.41	2.35	84	2.15	104	3.16	1.38
1445	7.42	11.39	2.35	93	2.08	84.2	3.75	1.33
1450	7.95	11.41	2.35	95	2.10	80.4	3.56	1.35
1455	8.01	11.33	2.36	97	2.13	58.3	3.34	1.37
1500	8.09	11.30	2.40	98	2.15	51.0	4.37	1.38
1505	8.17	11.48	2.36	100	2.15	33.5	3.22	1.38
1510	8.41	11.46	2.38	101	2.15	39.3	3.16	1.37

Sampling Information:

EPA SW-846 Method 8270 SVOC's PAH's
EPA SW-846 Method 8260 VOC's BTEX

2 - 250 mL amber Yes [X] No [ ]
3 - 40 mL vials Yes [X] No [ ]

Sample ID: **LTMW-01** Duplicate? Yes [ ] No [X]
Sample Time: 1510 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [ ]
Fed-Ex [ ] Courier [ ]

Comments/Notes:

Laboratory: Eurofins
Amherst, New York

National Grid
Excelsior Ave, Former MGP Site, Saratoga Springs, New York

Sampling Personnel: C. ERNST
Date: 4/3/25
Job Number: 0603500-128660-221
Weather: PT Cloudy 50°s
Well Id. **LTMW-02**
Time In: 1320 Time Out: 1410

Well Information

		TOC	Other
Depth to Water:	(feet)	5.89	
Depth to Bottom:	(feet)	13.53	
Depth to Product:	(feet)	—	
Length of Water Column:	(feet)	7.64	
Volume of Water in Well:	(gal)	1.22	
Three Well Volumes:	(gal)	3.67	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	other [ ]	
Sampling Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		
Average Pumping Rate: (ml/min)	200				
Duration of Pumping: (min)	30				
Total Volume Removed: (gal)	2	Did well go dry?	Yes [ ]	No [X]	

Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW	Temp	pH	ORP	Conductivity	Turbidity	DO	TDS
on 1325	(feet)	(°C)	(S.U.)	(mV)	(mS/cm)	(NTU)	(mg/L)	(g/L)
1330	5.92	12.35	7.45	71	1.49	304	6.43	0.994
1335	5.94	11.68	6.88	78	2.98	227	1.94	1.92
1340	5.93	10.15	6.94	75	2.86	88.1	0.37	1.81
1345	5.93	10.26	6.94	79	2.42	28.2	0.85	1.55
1350	5.93	10.12	6.96	87	2.21	16.8	1.35	1.40
1355	5.93	9.95	6.99	94	1.94	6.6	1.77	1.24
1400	5.93	9.78	7.04	98	1.83	3.5	1.85	1.17

Sampling Information:

EPA SW-846 Method 8270 SVOC's PAH's
EPA SW-846 Method 8260 VOC's BTEX
4 - 250 mL amber Yes [X] No [ ]
6 - 40 mL vials Yes [X] No [ ]

Field Duplicate
Sample ID: **LTMW-02** Duplicate? Yes [X] No [ ]
Sample Time: 1400 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [ ]
Fed-Ex [ ] Courier [ ]

Comments/Notes:

Laboratory: Eurofins
Amherst, New York

National Grid
Excelsior Ave, Former MGP Site, Saratoga Springs, New York

Sampling Personnel: AJ
Date: 4/3/25
Job Number: 0603500-128660-221
Weather: 65°F, cloudy
Well Id. **LTMW-03**
Time In: 1425 Time Out: 1510

Well Information

		TOC	Other
Depth to Water:	(feet)	4.65	
Depth to Bottom:	(feet)	12.09	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	7.44	
Volume of Water in Well:	(gal)	1.19	
Three Well Volumes:	(gal)	3.5	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	other [ ]	
Sampling Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		
Average Pumping Rate:	200 (ml/min)				
Duration of Pumping:	30 (min)				
Total Volume Removed:	2.5 (gal)				

Did well go dry? Yes [ ] No [X]

Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47

1 gallon=3.785L=3785mL=1337cu. feet

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1430	5.02	10.90	7.55	164	1.93	16.3	6.49	1.23
1435	5.08	10.70	7.44	158	1.95	15.9	5.42	1.25
1440	5.05	10.64	7.06	91	2.33	11.5	1.03	1.49
1445	5.09	10.75	7.04	85	2.36	10.8	1.25	1.51
1450	5.15	10.75	7.00	71	2.42	9.3	1.18	1.55
1455	5.15	10.84	6.97	56	2.50	7.1	0.78	1.60
1500	5.10	11.21	6.94	45	2.53	5.2	0.45	1.62

Sampling Information:

EPA SW-846 Method 8270 SVOC's PAH's
EPA SW-846 Method 8260 VOC's BTEX

2 - 250 mL amber Yes [X] No [ ]
3 - 40 mL vials Yes [X] No [ ]

Sample ID: **LTMW-03** Duplicate? Yes [ ] No [X]
Sample Time: 1505 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [ ]
Fed-Ex [ ] Courier [ ]

Comments/Notes:

Laboratory: Eurofins
Amherst, New York

National Grid
Excelsior Ave, Former MGP Site, Saratoga Springs, New York

Sampling Personnel: AS
Date: 4/3/25
Job Number: 0603500-128660-221
Weather: 61°F, cloudy
Well Id. **LTMW-04**
Time In: 1315 Time Out: 1415

Well Information

		TOC	Other
Depth to Water:	(feet)	0.91	
Depth to Bottom:	(feet)	12.56	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	11.65	
Volume of Water in Well:	(gal)	1.86	
Three Well Volumes:	(gal)	5.5	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	other [ ]	
Sampling Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		

Average Pumping Rate: 200 (ml/min)
Duration of Pumping: 30 (min)
Total Volume Removed: 2.5 (gal)
Did well go dry? Yes [ ] No [X]
Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1320	1.38	9.88	7.12	16	1.30	299	2.80	0.803
1325	1.05	10.48	7.41	100	1.27	67.3	5.72	0.816
1330	1.01	10.77	7.49	106	1.18	63.4	6.08	0.757
1335	1.01	11.21	7.51	109	1.19	61.1	6.16	0.761
1340	1.01	12.13	7.53	119	1.17	53.2	6.25	0.751
1345	1.01	10.44	7.62	122	1.18	60.3	7.14	0.752
1350	1.01	10.41	7.59	127	1.17	55.4	6.16	0.749
1355	1.01	10.44	7.59	131	1.17	52.5	6.03	0.746
1400	1.01	10.37	7.60	137	1.16	47.0	5.85	0.740
1405	1.01	10.33	7.60	140	1.16	43.6	6.06	0.740

Sampling Information:

EPA SW-846 Method 8270 SVOC's PAH's
EPA SW-846 Method 8260 VOC's BTEX
6 - 250 mL amber Yes [X] No [ ]
9 - 40 mL vials Yes [X] No [ ]

LTMW-04-MS and LTMW-04-MSD

Sample ID: **LTMW-04** Duplicate? Yes [ ] No [X]
Sample Time: ~~1405~~ 1410 MS/MSD? Yes [X] No [ ]

Shipped: Syracuse Service Center [ ]
Fed-Ex [ ] Courier [ ]

Comments/Notes:

Laboratory: Eurofins
Amherst, New York

National Grid
Excelsior Ave, Former MGP Site, Saratoga Springs, New York

Sampling Personnel: AS
Job Number: 0603500-128660-221
Well Id. **LTMW-05**

Date: 4/3/25
Weather: 55°F, cloudy
Time In: 1155 Time Out: 1310

Well Information

		TOC	Other
Depth to Water:	(feet)	2.06	
Depth to Bottom:	(feet)	13.00	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	10.94	
Volume of Water in Well:	(gal)	1.75	
Three Well Volumes:	(gal)	5.2	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	other [ ]	
Sampling Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		

Average Pumping Rate: 300 (ml/min)
Duration of Pumping: 30 (min)
Total Volume Removed: 2.5 (gal)
Did well go dry? Yes [ ] No [X]
Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1200	2.33	9.95	6.93	15	0.811	188	1.47	0.520
1205	2.50	9.42	7.09	-56	0.796	900	1.03	0.510
1210	2.31	9.55	7.09	-47	0.804	719	0.59	0.514
1215	2.31	9.68	7.10	-27	0.812	598	0.19	0.526
1220	2.31	9.79	7.12	1	0.821	527	0.08	0.525
1225	2.34	9.80	7.19	35	0.829	574	0.88	0.531
1230	2.34	9.60	7.19	12	0.827	749	0.43	0.530
1235	2.34	9.67	7.17	0	0.829	703	0.25	0.530
1240	2.34	9.97	7.14	-18	0.834	575	0.00	0.534
1245	2.34	10.18	7.13	-28	0.835	516	0.00	0.534
1250	2.34	10.06	7.13	-30	0.832	509	0.00	0.532
1255	2.34	9.97	7.14	-31	0.833	483	0.00	0.533
1300	2.34	10.03	7.14	-32	0.834	475	0.00	0.534

Sampling Information:

EPA SW-846 Method 8270 SVOC's PAH's — 2 - 250 mL amber: Yes [X] No [ ]
EPA SW-846 Method 8260 VOC's BTEX — 3 - 40 mL vials: Yes [X] No [ ]

Sample ID: **LTMW-05** Duplicate? Yes [ ] No [X]
Sample Time: 1305 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [ ] Fed-Ex [ ] Courier [ ]

Comments/Notes: Well filled with bio iron, orange in color

Laboratory: Eurofins Amherst, New York

National Grid
Excelsior Ave, Former MGP Site, Saratoga Springs, New York

Sampling Personnel: AS
Job Number: 0603500-128660-221
Well Id. **LTMW-06**

Date: 4/3/25
Weather: 49°F, cloudy
Time In: 1105 Time Out: 1150

Well Information

		TOC	Other
Depth to Water:	(feet)	5.57	
Depth to Bottom:	(feet)	19.41	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	13.84	
Volume of Water in Well:	(gal)	2.21	
Three Well Volumes:	(gal)	6.6	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [ ] No [X]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	other [ ]	
Sampling Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		

Average Pumping Rate: 150 (ml/min)
Duration of Pumping: 30 (min)
Total Volume Removed: 2.0 (gal)

Did well go dry? Yes [ ] No [X]

Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1110	6.62	9.11	7.69	132	0.564	148	5.85	0.349
1115	6.55	9.81	7.34	139	0.806	28.5	3.33	0.516
1120	6.50	9.92	7.07	127	0.808	22.1	3.08	0.517
1125	6.51	9.99	6.95	102	0.823	20.4	2.75	0.526
1130	6.51	10.04	6.91	81	0.831	18.7	1.98	0.532
1135	6.50	10.15	6.88	74	0.833	16.4	1.41	0.533
1140	6.50	10.26	6.88	71	0.835	16.5	0.97	0.535

Sampling Information:

EPA SW-846 Method 8270 SVOC's PAH's
EPA SW-846 Method 8260 VOC's BTEX

2 - 250 mL amber Yes [X] No [ ]
3 - 40 mL vials Yes [X] No [ ]

Sample ID: **LTMW-06** Duplicate? Yes [ ] No [X]
Sample Time: 1145 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [ ]
Fed-Ex [ ] Courier [ ]

Comments/Notes:

Laboratory: Eurofins
Amherst, New York

National Grid
Excelsior Ave, Former MGP Site, Saratoga Springs, New York

Sampling Personnel: Tyler Lyon
Job Number: 0603500-128660-221
Well Id. **LTMW-6A**

Date: 4/3/25
Weather: 45° Overcast
Time In: 1130 Time Out: 1250

Well Information

		TOC	Other
Depth to Water:	(feet)	5.31	
Depth to Bottom:	(feet)	15.38	
Depth to Product:	(feet)	~~10.07~~	
Length of Water Column:	(feet)	10.07	
Volume of Water in Well:	(gal)	1.61	
Three Well Volumes:	(gal)	4.83	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [ ] No [X]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	other [ ]	
Sampling Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		
Average Pumping Rate: (ml/min)	200				
Duration of Pumping: (min)	30				
Total Volume Removed: (gal)	2	Did well go dry?	Yes [ ]	No [X]	

Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors

gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47

1 gallon=3.785L=3785mL=1337cu. feet

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1150	5.65	10.31	6.79	-68	0.873	237	1.69	0.559
1155	5.90	10.49	6.78	-96	0.882	150	0.10	0.568
1200	5.93	10.57	6.81	-102	0.887	142	0.04	0.568
1205	5.93	10.71	6.82	-104	0.887	119	0.00	0.568
1210	6.01	10.90	6.82	-106	0.887	85.1	0.00	0.567
1215	6.05	11.01	6.84	-108	0.887	55.8	0.00	0.567
1220	6.08	10.87	6.80	-105	0.875	30.6	0.00	0.560
1225	6.09	11.08	6.78	-105	0.876	21.5	0.00	0.566
1230	6.27	11.35	6.79	-105	0.881	21.9	0.00	0.564
1235	6.38	11.74	6.82	-99	0.884	18.1	0.13	0.566
1240	6.45	12.00	6.81	-103	0.884	13.6	0.00	0.566
1245	6.56	12.27	6.81	-104	0.884	~~9.8~~	0.00	0.566

Sampling Information:

EPA SW-846 Method 8270 SVOC's PAH's — 2 - 250 mL amber — Yes [X] No [ ]
EPA SW-846 Method 8260 VOC's BTEX — 3 - 40 mL vials — Yes [X] No [ ]

Sample ID: **LTMW-6A** Duplicate? Yes [ ] No [X]
Sample Time: 1245 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [ ] Fed-Ex [ ] Courier [ ]

Comments/Notes:

Laboratory: Eurofins Amherst, New York

National Grid
Excelsior Ave, Former MGP Site, Saratoga Springs, New York

Sampling Personnel: AJ
Job Number: 0603500-128660-221
Well Id. **LTMW-07**

Date: 4/3/25
Weather: 45°F, cloudy
Time In: 0945 Time Out: 1100

Well Information

		TOC	Other
Depth to Water:	(feet)	5.58	
Depth to Bottom:	(feet)	28.25	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	22.67	
Volume of Water in Well:	(gal)	3.62	
Three Well Volumes:	(gal)	10.8	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [ ] No [X]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	other [ ]	
Sampling Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		

Average Pumping Rate: 200 (ml/min)
Duration of Pumping: 60 (min)
Total Volume Removed: 4.0 ~~2 liters~~ (gal)

Did well go dry? Yes [ ] No [X]

Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
0955	6.81	8.12	7.76	6	2.08	141	27.09	1.33
1000	6.65	8.11	7.69	17	1.81	153	20.34	1.17
1005	6.65	8.20	7.54	40	1.37	183	11.75	0.889
1010	6.65	8.12	7.47	63	0.914	215	8.69	0.599
1015	6.65	8.01	7.48	84	0633	220	7.99	0.411
1020	6.65	7.93	7.53	95	0.481	214	8.19	0.316
1025	6.65	7.57	7.66	107	0.338	215	8.67	0.220
1030	6.65	7.82	7.71	111	0.325	225	8.23	0.211
1035	6.65	7.88	7.71	113	0.322	225	8.46	0210
1040	6.65	8.00	7.73	115	0.317	226	8.64	0.206
1048	6.65	8.11	7.75	118	0.315	230	8.52	0.205
1050	6.65	8.25	7.78	119	0.315	234	8.30	0.205
1055	6.65	8.42	7.80	122	0.315	243	8.11	0.205

Sampling Information:

EPA SW-846 Method 8270 SVOC's PAH's
EPA SW-846 Method 8260 VOC's BTEX

2 - 250 mL amber Yes [X] No [ ]
3 - 40 mL vials Yes [X] No [ ]

Sample ID: **LTMW-07** Duplicate? Yes [ ] No [X]
Sample Time: ~~1030~~ 1100 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [ ]
Fed-Ex [ ] Courier [ ]

Comments/Notes: ground is saturated and lots of standing water in the area.

Laboratory: Eurofins Amherst, New York

National Grid
Excelsior Ave, Former MGP Site, Saratoga Springs, New York

Sampling Personnel: G. ERNST
Job Number: 0603500-128660-221
Well Id. **LTMW-12**

Date: 4/3/25
Weather: cloudy 40°-50°
Time In: 0940 Time Out: 1040

Well Information

		TOC	Other
Depth to Water:	(feet)	4.61	
Depth to Bottom:	(feet)	20.10	
Depth to Product:	(feet)	—	
Length of Water Column:	(feet)	15.49	
Volume of Water in Well:	(gal)	2.48	
Three Well Volumes:	(gal)	7.44	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [ ]		
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	other [ ]	
Sampling Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [ ]		

Average Pumping Rate:	(ml/min)	200
Duration of Pumping:	(min)	30
Total Volume Removed:	(gal)	2

Did well go dry? Yes [ ] No [X]

Horiba U-52 Water Quality Meter Used? Yes [ ] No [X]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time on 1000	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1005	4.62	12.83	7.36	-71	4.37	31.1	2.00	2.80
1010	4.63	12.56	7.31	-96	4.42	14.6	1.15	2.83
1015	4.64	12.56	7.28	-114	4.45	7.7	0.73	2.85
1020	4.64	12.48	7.27	-123	4.46	4.6	0.50	2.86
1025	4.64	12.45	7.26	-128	4.47	2.8	0.40	2.86
1030	4.64	12.40	7.25	-130	4.47	1.6	0.33	2.86

Sampling Information:

USEPA SW-846 Method 8270 SVOC's PAH's — 2 - 250 mL amber — Yes [X] No [ ]
USEPA SW-846 Method 8260 VOC's BTEX — 3 - 40 mL vials — Yes [X] No [ ]

Sample ID: **LTMW-12** Duplicate? Yes [ ] No [X]
Sample Time: 1035 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [ ] Fed-Ex [ ] Courier [ ]

Comments/Notes:

Laboratory: Eurofins Amherst, New York

National Grid
Excelsior Ave, Former MGP Site, Saratoga Springs, New York

Sampling Personnel: G. ERNST
Date: 4/3/25
Job Number: 0603500-128660-221
Weather: cloudy 50°
Well Id. **LTMW-13**
Time In: 1040 Time Out: 1140

Well Information

		TOC	Other
Depth to Water:	(feet)	5.53	
Depth to Bottom:	(feet)	23.05	
Depth to Product:	(feet)	—	
Length of Water Column:	(feet)	17.52	
Volume of Water in Well:	(gal)	2.80	
Three Well Volumes:	(gal)	8.41	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:		Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [ ]			
Tubing/Bailer Material:		Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	other [ ]		
Sampling Method:		Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [ ]			
Average Pumping Rate:	(ml/min)	200					
Duration of Pumping:	(min)	40					
Total Volume Removed:	(gal)	2.5					

Did well go dry? Yes [ ] No [X]

Horiba U-52 Water Quality Meter Used? Yes [ ] No [X]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW	Temp	pH	ORP	Conductivity	Turbidity	DO	TDS
on 1045	(feet)	(°C)	(S.U.)	(mV)	(mS/cm)	(NTU)	(mg/L)	(g/L)
1050	5.79	12.74	6.89	-42	4.35	275	1.68	2.79
1055	5.85	12.93	6.82	-48	4.36	85.6	0.51	2.79
1100	5.86	13.01	6.82	-50	4.36	61.2	0.41	2.79
1105	5.90	13.05	6.82	-51	4.36	43.5	0.34	2.79
1110	5.90	13.08	6.81	-52	4.36	33.3	0.27	2.79
1115	5.92	13.21	6.80	-53	4.36	21.3	0.24	2.79
1120	5.93	13.24	6.82	-54	4.35	15.6	0.21	2.79
1125	5.95	13.24	6.81	-54	4.35	9.3	0.19	2.78

Sampling Information:

USEPA SW-846 Method 8270 SVOC's PAH's — 2 - 250 mL amber — Yes [X] No [ ]
USEPA SW-846 Method 8260 VOC's BTEX — 3 - 40 mL vials — Yes [X] No [ ]

Sample ID: **LTMW-13** Duplicate? Yes [ ] No [X]
Sample Time: 1130 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [ ] Fed-Ex [ ] Courier [ ]

Comments/Notes:

Laboratory: Eurofins Amherst, New York

National Grid
Excelsior Ave, Former MGP Site, Saratoga Springs, New York

Sampling Personnel: Peter Lyon
Job Number: 0603500-128660-221
Well Id. **LTMW-14**

Date: 4/3/15
Weather: overcast 45°
Time In: 0950 Time Out: 1100

Well Information

		TOC	Other
Depth to Water:	(feet)	0.75	
Depth to Bottom:	(feet)	17.78	
Depth to Product:	(feet)	-	
Length of Water Column:	(feet)	17.03	
Volume of Water in Well:	(gal)	2.72	
Three Well Volumes:	(gal)	8.17	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]			
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	other [ ]		
Sampling Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]			
Average Pumping Rate:	(ml/min)	200				
Duration of Pumping:	(min)	30				
Total Volume Removed:	(gal)	2				

Did well go dry? Yes [ ] No [X]

Horiba U-52 Water Quality Meter Used? Yes [ ] No [X]

Conversion Factors

gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47

1 gallon=3.785L=3785mL=1337cu. feet

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
0955	0.81	8.88	7.84	185	0.960	24.8	12.44	0.612
1000	0.83	7.44	7.36	190	0.988	22.5	10.58	0.631
1005	0.83	6.75	7.20	195	1.01	91.2	10.27	0.647
1010	0.83	6.65	7.14	197	1.02	57.9	9.92	0.654
1015	0.83	~~6.40~~ 6.86	7.08	198	1.02	73.6	~~9.40~~ 9.40	0.656
1020	0.83	6.90	7.33	191	1.06	110	8.64	0.675
1025	0.83	7.21	7.23	196	1.05	115	6.55	0.669
1030	0.83	7.16	7.21	196	1.05	86.9	7.18	0.672
1035	0.83	7.15	7.22	192	1.06	81.3	6.98	0.676
1040	0.83	2.46	6.90	199	1.04	72.0	6.68	0.679
1045	0.83	2.30	7.22	183	1.07	60.9	6.75	0.682
1050	0.83	7.30	2.28	182	1.06	52.2	6.13	0.680
1055	0.83	7.30	7.21	177	1.06	51.3	6.57	0.679

Sampling Information:

EPA SW-846 Method 8270 SVOC's PAH's
EPA SW-846 Method 8260 VOC's BTEX

2 - 250 mL amber Yes [X] No [ ]
3 - 40 mL vials Yes [X] No [ ]

Sample ID: **LTMW-14** Duplicate? Yes [ ] No [X]
Sample Time: 1055 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [ ]
Fed-Ex [ ] Courier [ ]

Comments/Notes:

Laboratory: Eurofins
Amherst, New York

National Grid
Excelsior Ave, Former MGP Site, Saratoga Springs, New York

Sampling Personnel: Peter Lyon
Date: 4/3/25
Job Number: 0603500-128660-221
Weather: overcast 50
Well Id. **LTMW-15**
Time In: 1253 Time Out: 1345

Well Information

		TOC	Other
Depth to Water:	(feet)	4.10	
Depth to Bottom:	(feet)	10.77	
Depth to Product:	(feet)	-	
Length of Water Column:	(feet)	6.67	
Volume of Water in Well:	(gal)	1.06	
Three Well Volumes:	(gal)	3.20	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	other [ ]	
Sampling Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		

Average Pumping Rate:	(ml/min)	200
Duration of Pumping:	(min)	30
Total Volume Removed:	(gal)	3

Did well go dry? Yes [ ] No [X]

Horiba U-52 Water Quality Meter Used? Yes [ ] No [X]

Conversion Factors

gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47

1 gallon=3.785L=3785mL=1337cu. feet

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1300	4.48	12.47	6.85	-50	1.23	78.1	5.58	0.790
1305	4.47	11.41	6.89	-107	1.29	26.1	1.46	0.826
1310	4.63	11.14	6.90	-121	1.31	23.7	0.31	0.839
1315	4.63	11.19	7.08	-120	1.32	66.5	2.10	0.844
1320	4.65	10.91	6.99	-123	1.34	51.3	0.01	0.855
1325	4.81	10.50	6.99	-127	1.33	36.9	0.00	0.854
1330	4.93	10.34	7.01	-130	1.35	28.1	0.00	0.864
1335	5.01	10.23	7.02	-133	1.35	17.1	0.00	0.866
1340	5.07	10.12	7.02	-136	1.36	6.4	0.00	0.869

Sampling Information:

EPA SW-846 Method 8270 SVOC's PAH's
EPA SW-846 Method 8260 VOC's BTEX

2 - 250 mL amber Yes [X] No [ ]
3 - 40 mL vials Yes [X] No [ ]

Sample ID: **LTMW-15** Duplicate? Yes [ ] No [X]
Sample Time: 1340 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [ ]
Fed-Ex [ ] Courier [ ]

Comments/Notes:

Laboratory: Eurofins
Amherst, New York

National Grid
Excelsior Ave, Former MGP Site, Saratoga Springs, New York

Sampling Personnel: G. Ernst
Job Number: 0603500-128660-221
Well Id. **MW-EPA-01R**

Date: 4/3/25
Weather: PT Cloudy 50°s
Time In: 1230 Time Out: 1320

Well Information

		TOC	Other
Depth to Water:	(feet)	3.46	
Depth to Bottom:	(feet)	9.65	
Depth to Product:	(feet)	—	
Length of Water Column:	(feet)	6.19	
Volume of Water in Well:	(gal)	0.99	
Three Well Volumes:	(gal)	2.97	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	other [ ]	
Sampling Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		
Average Pumping Rate: (ml/min)	200				
Duration of Pumping: (min)	30				
Total Volume Removed: (gal)	2				

Did well go dry? Yes [ ] No [ ]

Horiba U-52 Water Quality Meter Used? Yes [ ] No [X]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
on 1235								
1240	3.71	13.05	7.03	-15	1.89	67.2	6.97	1.24
1245	4.41	9.24	7.12	-1	1.60	39.0	3.39	1.02
1250	4.43	9.41	7.12	3	1.56	22.8	2.71	1.00
1255	4.45	9.71	7.11	-21	1.68	15.5	1.57	1.07
1300	4.47	10.05	7.04	-25	1.70	11.4	1.63	1.09
1305	4.47	10.08	7.03	-48	2.04	8.2	0.46	1.30
1310	4.47	10.05	7.05	-49	2.04	7.1	0.47	1.31

Sampling Information:

EPA SW-846 Method 8270 SVOC's PAH's
EPA SW-846 Method 8260 VOC's BTEX

2 - 250 mL amber Yes [X] No [ ]
3 - 40 mL vials Yes [X] No [ ]

Sample ID: **MW-EPA-01R**
Sample Time: 1310

Duplicate? Yes [ ] No [X]
MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [ ]
Fed-Ex [ ] Courier [ ]

Laboratory: Eurofins
Amherst, New York

Comments/Notes:

National Grid
Excelsior Ave, Former MGP Site, Saratoga Springs, New York

Sampling Personnel: G. ERNST
Job Number: 0603500-128660-221
Well Id. **MW-EPA-03R**

Date: 4/3/25
Weather: cloudy 50°
Time In: 1140 Time Out: 1230

Well Information

		TOC	Other
Depth to Water:	(feet)	4.16	
Depth to Bottom:	(feet)	10.77	
Depth to Product:	(feet)	-	
Length of Water Column:	(feet)	6.61	
Volume of Water in Well:	(gal)	1.06	
Three Well Volumes:	(gal)	3.17	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	other [ ]	
Sampling Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		
Average Pumping Rate: (ml/min)	200				
Duration of Pumping: (min)	30				
Total Volume Removed: (gal)	2	Did well go dry?	Yes [ ]	No [X]	

Horiba U-52 Water Quality Meter Used? Yes [ ] No [X]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time (On 1145)	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1150	4.21	10.92	6.82	-47	3.33	0.0	0.01	2.13
1155	4.21	10.72	6.89	-43	3.33	0.0	1.77	2.14
1200	4.49	10.63	6.91	-58	3.34	0.0	0.16	2.14
1205	4.49	10.66	6.92	-65	3.33	0.0	0.00	2.13
1210	4.43	10.78	6.91	-68	3.33	0.0	0.00	2.13
1215	4.43	10.98	6.92	-72	3.33	0.0	0.00	2.13

Sampling Information:

EPA SW-846 Method 8270 SVOC's PAH's
EPA SW-846 Method 8260 VOC's BTEX

2 - 250 mL amber Yes [X] No [ ]
3 - 40 mL vials Yes [X] No [ ]

Sample ID: **MW-EPA-03R** Duplicate? Yes [ ] No [X]
Sample Time: 1220 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [ ]
Fed-Ex [ ] Courier [ ]

Comments/Notes:

Laboratory: Eurofins
Amherst, New York

National Grid
Excelsior Ave, Former MGP Site, Saratoga Springs, New York

Sampling Personnel: Peter Lyon
Date: 4/3/25
Job Number: 0603500-128660-221
Weather: 50° overcast
Well Id. **MH-1**
Time In: 1345 Time Out:

Time		Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1350		11.36	6.98	-85	2.79	4.7	7.60	1.79

Sampling Information:

EPA SW-846 Method 8270 SVOC's PAH's — 2 - 250 mL amber — Yes [X] No [ ]
EPA SW-846 Method 8260 VOC's BTEX — 3 - 40 mL vials — Yes [X] No [ ]

Sample ID: **MH-1** Duplicate? Yes [ ] No [X]
Sample Time: 1400 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [ ] Fed-Ex [ ] Courier [ ]

Comments/Notes:

Laboratory: Eurofins Amherst, New York

National Grid
Excelsior Ave, Former MGP Site, Saratoga Springs, New York

Sampling Personnel: G. ERUST
Job Number: 0603500-128660-221
Well Id. **Old Red Spring**

Date: 4/3/25
Weather: cloudy 53°
Time In: 1410 Time Out: 1425

Time		Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1420		14.85	6.41	13	3.23	0.0	2.60	2.07

Sampling Information:

EPA SW-846 Method 8270 SVOC's PAH's
EPA SW-846 Method 8260 VOC's BTEX

2 - 250 mL amber Yes [X] No [ ]
3 - 40 mL vials Yes [X] No [ ]

Sample ID: **ORS**
Sample Time: 1420

Duplicate? Yes [ ] No [X]
MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [ ]
Fed-Ex [ ] Courier [ ]

Comments/Notes:

Laboratory: Eurofins
Amherst, New York

Well ID.	Sample?	Well Size	DTW	DTP	DTB	Comments
LTMP-01	no	2"			16.79	
LTMP-02	no	2"			19.10	
LTMP-2A	no	2"			15.00	
LTMP-03	no	2"			11.59	
LTMP-04	no	2"			11.25	
LTMP-05	no	2"			14.75	
LTMP-06	no	2"			14.46	
LTMP-14	no	2"			8.87	
LTMP-15	no	2"			11.17	
LTMW-01	yes	2"			15.70	
LTMW-02	yes	2"	6.09		13.53	Field Duplicate
LTMW-03	yes	2"	5.97		12.09	
LTMW-04	yes	2"	3.65		12.56	MS/MSD
LTMW-05	yes	2"	3.73		13.00	
LTMW-6A	yes	2"			15.38	
LTMW-14	yes	2"	0.43		17.78	
LTMW-15	yes	2"	4.11		10.77	
LTMP-06A	no	2"			7.37	
LTMP-14A	no	2"			8.87	
LTMP-15A	no	2"			7.14	
DW-1	no	8"			23.10	
DW-2	no	8"			15.80	
DW-3	no	8"			27.85	
DW-4	no	8"			25.50	
DW-5	no	8"			24.70	
DW-6	no	8"			28.30	
DW-7	no	10"			9.00	
MW-EPA-01R	yes	2"	4.22		9.65	
MW-EPA-03R	yes	2"			13.84	
LTMP-11	no	2"			14.25	
LTMP-12	no	2"			17.02	
LTMW-12	yes	2"			20.10	
LTMP-13	no	2"			22.90	
LTMW-13	yes	2"	5.90		23.05	
ORS	yes	n/a	n/a	-	n/a	
MH-1	yes	n/a	n/a	-	n/a	

National Grid
Excelsior Ave, Former MGP Site, Saratoga Springs, New York

Sampling Personnel: Peter Lyon
Job Number: 0625050-128660-221
Well Id. **LTMW-01**

Date: 7/9/25
Weather: Sunny 75
Time In: 1100 Time Out: 1200

Well Information

		TOC	Other
Depth to Water:	(feet)	5.83	
Depth to Bottom:	(feet)	15.70	
Depth to Product:	(feet)	-	
Length of Water Column:	(feet)	9.87	
Volume of Water in Well:	(gal)	1.57	
Three Well Volumes:	(gal)	4.73	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [ ] No [X]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	other [ ]	
Sampling Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		
Average Pumping Rate: (ml/min)	200				
Duration of Pumping: (min)	36				
Total Volume Removed: (gal)	2	Did well go dry?	Yes [ ]	No [X]	

Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1105	7.77	16.75	7.28	3	1.97	160	4.44	1.26
1110	7.92	16.41	7.32	64	1.99	166	2.74	1.27
1115	7.91	16.91	7.37	93	1.98	128	2.36	1.27
1120	7.92	17.09	7.46	109	1.98	100	2.97	1.26
1125	7.95	16.54	7.43	123	1.97	67.1	2.39	1.26
1130	7.97	16.12	7.44	132	1.99	43.6	2.42	1.28
1135	7.99	17.02	7.51	140	1.98	26.7	2.66	1.27
1140	8.19	16.43	7.45	149	1.97	12.28	3.45	1.27
1145	8.21	16.16	7.44	152	1.99	9.62	2.41	1.27

Sampling Information:

EPA SW-846 Method 8270 SVOC's PAH's
EPA SW-846 Method 8260 VOC's BTEX

2 - 250 mL amber Yes [X] No [ ]
3 - 40 mL vials Yes [X] No [ ]

Sample ID: **LTMW-01** Duplicate? Yes [ ] No [X]
Sample Time: 1145 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [X]
Fed-Ex [ ] Courier [ ]

Comments/Notes:

Laboratory: Eurofins Amherst, New York

National Grid
Excelsior Ave, Former MGP Site, Saratoga Springs, New York

Sampling Personnel: VL
Date: 7/9/25
Job Number: 0625050-128660-221
Weather: Sunny 82
Well Id. **LTMW-02**
Time In: 10:00 Time Out:

Well Information

		TOC	Other
Depth to Water:	(feet)	6.09	
Depth to Bottom:	(feet)	13.53	
Depth to Product:	(feet)	—	
Length of Water Column:	(feet)	7.44	
Volume of Water in Well:	(gal)	1.19	
Three Well Volumes:	(gal)	3.71	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	other [ ]	
Sampling Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		
Average Pumping Rate: (ml/min)	200				
Duration of Pumping: (min)	30				
Total Volume Removed: (gal)	2				

Did well go dry? Yes [ ] No [X]

Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors

gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47

1 gallon=3.785L=3785mL=1337cu. feet

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
10:10	6.11	16.62	6.01	151	2.21	267	4.17	1.41
10:15	6.11	17.48	6.57	159	2.29	244	2.19	1.46
10:20	6.11	17.51	6.73	154	1.97	121.4	1.76	1.22
10:25	6.11	17.56	6.98	150	1.66	75.6	1.34	1.06
10:30	6.11	17.69	7.01	154	1.54	45.0	1.27	0.983
10:35	6.11	17.60	7.02	156	1.51	38.6	1.25	0.970
10:40	6.11	17.83	7.03	157	1.48	28.9	1.21	0.950
10:45	6.11	17.65	6.99	160	1.49	10.1	1.30	0.956

Sampling Information:

EPA SW-846 Method 8270 SVOC's PAH's
EPA SW-846 Method 8260 VOC's BTEX

4 - 250 mL amber Yes [X] No [ ]
6 - 40 mL vials Yes [X] No [ ]

Field Duplicate
Sample ID: **LTMW-02** Duplicate? Yes [X] No [ ]
Sample Time: 10:40 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [X]
Fed-Ex [ ] Courier [ ]

Comments/Notes:

Laboratory: Eurofins
Amherst, New York

National Grid
Excelsior Ave, Former MGP Site, Saratoga Springs, New York

Sampling Personnel: K
Date: 7/9/25
Job Number: 0625050-128660-221
Weather: Sun 85
Well Id. **LTMW-03**
Time In: 10:55 Time Out: 11:40

Well Information

		TOC	Other
Depth to Water:	(feet)	5.97	
Depth to Bottom:	(feet)	12.09	
Depth to Product:	(feet)		
Length of Water Column:	(feet)	6.12	
Volume of Water in Well:	(gal)	0.979	
Three Well Volumes:	(gal)	2.93	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:		Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		
Tubing/Bailer Material:		Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	other [ ]	
Sampling Method:		Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		
Average Pumping Rate:	(ml/min)	200				
Duration of Pumping:	(min)	30				
Total Volume Removed:	(gal)	2				

Did well go dry? Yes [ ] No [X]

Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors

gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47

1 gallon=3.785L=3785mL=1337cu. feet

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
11:00	6.72	16.07	6.81	184	3.16	33.1	6.78	2.01
11:05	6.53	18.05	6.71	102	3.77	44.9	8.70	2.43
11:10	6.67	19.23	6.69	57	4.13	42.6	7.37	2.64
11:15	6.67	21.63	6.67	38	4.07	32.1	6.39	2.60
11:20	6.67	21.87	6.68	36	4.03	24.7	6.37	2.57
11:25	6.67	21.96	6.68	22	3.94	18.6	6.10	2.52
11:30	6.67	21.24	6.69	12	3.96	9.7	6.14	2.53

Sampling Information:

EPA SW-846 Method 8270 SVOC's PAH's
EPA SW-846 Method 8260 VOC's BTEX

2 - 250 mL amber Yes [X] No [ ]
3 - 40 mL vials Yes [X] No [ ]

Sample ID: **LTMW-03** Duplicate? Yes [ ] No [X]
Sample Time: 11:30 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [X]
Fed-Ex [ ] Courier [ ]

Comments/Notes:

Laboratory: Eurofins
Amherst, New York

National Grid
Excelsior Ave, Former MGP Site, Saratoga Springs, New York

Sampling Personnel: JL
Date: 7/9/25
Job Number: 0625050-128660-221
Weather: Sun 85
Well Id. **LTMW-04**
Time In: 11:40 Time Out: 12:30

Well Information

		TOC	Other
Depth to Water:	(feet)	3.65	
Depth to Bottom:	(feet)	12.56	
Depth to Product:	(feet)	—	
Length of Water Column:	(feet)	8.91	
Volume of Water in Well:	(gal)	1.42	
Three Well Volumes:	(gal)	4.27	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:		Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		
Tubing/Bailer Material:		Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	other [ ]	
Sampling Method:		Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		
Average Pumping Rate:	(ml/min)	200				
Duration of Pumping:	(min)	20				
Total Volume Removed:	(gal)	1				

Did well go dry? Yes [ ] No [X]

Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors

gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47

1 gallon=3.785L=3785mL=1337cu. feet

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
11:55	4.03	22.72	7.09	41	1.44	90.7	7.05	0.874
11:59	4.05	22.50	7.11	86	0.966	62.1	6.75	0.691
12:00	4.07	22.35	7.21	116	0.727	34.0	6.26	0.464
12:05	4.10	23.20	7.28	128	0.669	22.4	5.30	0.420
12:10	4.10	23.27	7.21	139	0.659	16.0	5.20	0.423
12:15	4.10	24.31	7.04	154	0.635	13.3	4.55	0.407
12:20	4.10	23.52	7.07	154	0.638	10.0	4.57	0.409

Sampling Information:

EPA SW-846 Method 8270 SVOC's PAH's
EPA SW-846 Method 8260 VOC's BTEX
LTMW-04-MS and LTMW-04-MSD
Sample ID: **LTMW-04** Duplicate? Yes [ ] No [X]
Sample Time: 12:20 MS/MSD? Yes [X] No [ ]

6 - 250 mL amber Yes [X] No [ ]
9 - 40 mL vials Yes [X] No [ ]

Shipped: Syracuse Service Center [X]
Fed-Ex [ ] Courier [ ]

Comments/Notes:

Laboratory: Eurofins
Amherst, New York

National Grid
Excelsior Ave, Former MGP Site, Saratoga Springs, New York

Sampling Personnel:
Date: 7/9/12
Job Number: 0625050-128660-221
Weather: Sun
Well Id. **LTMW-05**
Time In: 12:45 Time Out: 13:30

Well Information

		TOC	Other
Depth to Water:	(feet)	3.73	
Depth to Bottom:	(feet)	13.00	
Depth to Product:	(feet)	—	
Length of Water Column:	(feet)	9.27	
Volume of Water in Well:	(gal)	1.48	
Three Well Volumes:	(gal)	4.44	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	other [ ]	
Sampling Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		

Average Pumping Rate:	(ml/min)	200
Duration of Pumping:	(min)	30
Total Volume Removed:	(gal)	2

Did well go dry? Yes [ ] No [ ]

Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors

gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47

1 gallon=3.785L=3785mL=1337cu. feet

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
12:50	3.84	22.98	7.12	44	0.770	293	5.56	0.518
12:55	3.84	19.99	7.03	-90	1.06	355	6.67	0.688
13:00	3.84	19.28	6.91	-92	1.10	171	6.17	0.705
13:05	3.84	19.01	6.88	-92	1.11	103	5.76	0.711
13:10	3.84	18.94	6.85	-92	1.13	49.4	5.37	0.725
13:15	3.84	18.77	6.85	-95	1.17	20.1	4.63	0.749
13:20	3.84	18.45	6.85	-97	1.19	14.8	4.24	0.764
13:25	3.84	18.44	6.84	-99	1.20	9.8	3.81	0.769

Sampling Information:

EPA SW-846 Method 8270 SVOC's PAH's
EPA SW-846 Method 8260 VOC's BTEX

2 - 250 mL amber Yes [X] No [ ]
3 - 40 mL vials Yes [X] No [ ]

Sample ID: **LTMW-05** Duplicate? Yes [ ] No [X]
Sample Time: 13:20 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [X]
Fed-Ex [ ] Courier [ ]

Comments/Notes:

Laboratory: Eurofins
Amherst, New York

National Grid
Excelsior Ave, Former MGP Site, Saratoga Springs, New York

Sampling Personnel: Peter Lyon
Job Number: 0625050-128660-221
Well Id. **LTMW-6A**

Date: 7/9/25
Weather: 78 overcast
Time In: 1305 Time Out: 1345

Well Information

		TOC	Other
Depth to Water:	(feet)	5.58	
Depth to Bottom:	(feet)	15.38	
Depth to Product:	(feet)	-	
Length of Water Column:	(feet)	9.8	
Volume of Water in Well:	(gal)	1.56	
Three Well Volumes:	(gal)	4.70	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [ ] No [X]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:		Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		
Tubing/Bailer Material:		Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	other [ ]	
Sampling Method:		Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		
Average Pumping Rate:	(ml/min)	200				
Duration of Pumping:	(min)	30				
Total Volume Removed:	(gal)	2				

Did well go dry? Yes [ ] No [X]

Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1310	5.80	22.02	7.47	4	0.818	28.1	2.00	0.521
1315	5.99	18.70	7.41	-53	0.844	21.0	0.44	0.539
1320	6.31	18.45	7.14	-65	0.849	17.7	0.00	0.543
1325	6.56	18.04	7.13	-70	0.850	12.2	0.00	0.543
1330	6.71	17.61	7.15	-73	0.847	15.3	0.00	0.542
1335	6.74	17.28	7.13	-77	0.854	10.6	0.00	0.546
1340	6.78	17.04	7.16	-79	0.857	9.6	0.00	0.548

Sampling Information:

EPA SW-846 Method 8270 SVOC's PAH's — 2 - 250 mL amber Yes [X] No [ ]
EPA SW-846 Method 8260 VOC's BTEX — 3 - 40 mL vials Yes [X] No [ ]

Sample ID: **LTMW-6A** Duplicate? Yes [ ] No [X]
Sample Time: 1340 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [X] Fed-Ex [ ] Courier [ ]

Comments/Notes:

Laboratory: Eurofins Amherst, New York

National Grid
Excelsior Ave, Former MGP Site, Saratoga Springs, New York

Sampling Personnel: Peter Lyon
Job Number: 0625050-128660-221
Well Id. **LTMW-13**

Date: 7/9/25
Weather: overcast 73
Time In: 0953 Time Out: 1036

Well Information

		TOC	Other
Depth to Water:	(feet)	5.90	
Depth to Bottom:	(feet)	23.05	
Depth to Product:	(feet)	–	
Length of Water Column:	(feet)	17.15	
Volume of Water in Well:	(gal)	2.74	
Three Well Volumes:	(gal)	8.23	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [ ]
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	other [ ]
Sampling Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [ ]

Average Pumping Rate:	(ml/min)	200
Duration of Pumping:	(min)	30
Total Volume Removed:	(gal)	2

Did well go dry? Yes [ ] No [X]

Horiba U-52 Water Quality Meter Used? Yes [ ] No [X]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
0955	6.29	22.95	8.19	111	4.45	135	~~5.90~~	2.90
1000	6.35	18.98	7.06	-53	4.09	130	0.69	2.62
1005	6.49	18.89	7.07	-50	~~7.~~ 4.07	117	0.80	2.60
1010	6.55	18.17	6.94	-52	4.00	89.7	0.00	2.56
1015	6.58	18.19	6.90	-58	3.97	69.7	0.00	2.54
1020	6.62	18.25	6.90	-59	3.96	64.0	0.00	~~2~~.53
1025	6.61	18.19	6.89	-60	3.94	44.2	0.00	2.52
1030	6.62	18.14	6.88	-61	3.94	33.7	0.00	2.52
1035	6.63	18.23	6.88	-62	3.94	25.3	0.00	2.52
1040	6.63	18.38	6.89	-62	3.92	9.98	0.00	2.51

Sampling Information:

USEPA SW-846 Method 8270 SVOC's PAH's — 2 - 250 mL amber — Yes [X] No [ ]
USEPA SW-846 Method 8260 VOC's BTEX — 3 - 40 mL vials — Yes [X] No [ ]

Sample ID: **LTMW-13** Duplicate? Yes [ ] No [X]
Sample Time: ~~1025~~ 1040 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [X] Fed-Ex [ ] Courier [ ]

Comments/Notes:

Laboratory: Eurofins Amherst, New York

National Grid
Excelsior Ave, Former MGP Site, Saratoga Springs, New York

Sampling Personnel: Peter Lyon
Job Number: 0625050-128660-221
Well Id. **LTMW-14**

Date: 7/9/25
Weather: 78° Sunny
Time In: 1158 Time Out: 1300

Well Information

		TOC	Other
Depth to Water:	(feet)	0.43	
Depth to Bottom:	(feet)	17.78	
Depth to Product:	(feet)	-	
Length of Water Column:	(feet)	17.35	
Volume of Water in Well:	(gal)	2.77	
Three Well Volumes:	(gal)	8.32	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:		Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]			
Tubing/Bailer Material:		Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	other [ ]		
Sampling Method:		Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]			
Average Pumping Rate:	(ml/min)	200					
Duration of Pumping:	(min)	30					
Total Volume Removed:	(gal)	2					

Did well go dry? Yes [ ] No [X]

Horiba U-52 Water Quality Meter Used? Yes [ ] No [X]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47
1 gallon=3.785L=3785mL=1337cu. feet				

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1200	0.54	18.67	7.43	161	1.04	41.8	1.19	0.661
1205	0.47	18.53	7.37	154	1.02	117	0.00	0.655
1210	0.51	17.82	7.39	139	1.05	213	0.00	0.671
1215	0.51	17.51	7.41	130	1.03	224	0.00	0.659
1220	0.51	17.62	7.43	126	1.03	152	0.00	0.657
1225	0.51	18.35	7.45	137	1.01	76.1	0.00	0.649
1230	0.51	18.16	7.47	135	1.01	60.7	0.00	0.650
1235	0.51	17.72	7.48	131	1.02	44.0	0.00	0.650
1240	0.51	17.59	7.50	127	1.02	28.9	0.00	0.651
1245	0.51	17.55	7.48	123	1.02	19.5	0.00	0.653
1250	0.51	17.89	7.47	121	1.02	13.0	0.00	0.653
1255	0.51	17.95	7.48	118	1.02	9.86	0.00	0.653

Sampling Information:

EPA SW-846 Method 8270 SVOC's PAH's — 2 - 250 mL amber — Yes [X] No [ ]
EPA SW-846 Method 8260 VOC's BTEX — 3 - 40 mL vials — Yes [X] No [ ]

Sample ID: **LTMW-14** Duplicate? Yes [ ] No [X]
Sample Time: 1255 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [X] Fed-Ex [ ] Courier [ ]

Comments/Notes:

Laboratory: Eurofins Amherst, New York

National Grid
Excelsior Ave, Former MGP Site, Saratoga Springs, New York

Sampling Personnel: Rixer Lyon
Job Number: 0625050-128660-221
Well Id. **LTMW-15**

Date: 7/9/25
Weather: 75 Overcast
Time In: 1350 Time Out: 1430

Well Information

		TOC	Other
Depth to Water:	(feet)	4.11	
Depth to Bottom:	(feet)	10.77	
Depth to Product:	(feet)	-	
Length of Water Column:	(feet)	6.66	
Volume of Water in Well:	(gal)	1.06	
Three Well Volumes:	(gal)	3.19	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	other [ ]	
Sampling Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		

Average Pumping Rate:	(ml/min)	200
Duration of Pumping:	(min)	30
Total Volume Removed:	(gal)	2

Did well go dry? Yes [ ] No [X]

Horiba U-52 Water Quality Meter Used? Yes [ ] No [X]

Conversion Factors

gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47

1 gallon=3.785L=3785mL=1337cu. feet

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
13:55	~~1355~~ 4.69	20.50	7.15	-80	1.27	9.3	1.33	0.814
1400	4.92	19.55	7.24	-138	1.33	24.6	0.00	0.853
1405	5.00	19.38	7.21	-129	1.46	15.2	0.00	0.952
1410	5.00	19.24	7.20	-124	1.55	9.9	0.00	0.996
1415	5.00	19.46	7.21	-124	1.57	5.3	0.00	1.00
1420	5.05	19.34	7.23	-124	1.57	2.7	0.00	1.00
1425	5.04	19.24	7.23	-125	1.57	1.6	0.00	1.00

Sampling Information:

EPA SW-846 Method 8270 SVOC's PAH's — 2 - 250 mL amber — Yes [X] No [ ]
EPA SW-846 Method 8260 VOC's BTEX — 3 - 40 mL vials — Yes [X] No [ ]

Sample ID: **LTMW-15** Duplicate? Yes [ ] No [X]
Sample Time: 1425 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [X] Fed-Ex [ ] Courier [ ]

Comments/Notes:

Laboratory: Eurofins Amherst, New York

National Grid
Excelsior Ave, Former MGP Site, Saratoga Springs, New York

Sampling Personnel: KL
Date: 7/9/12R
Job Number: 0625050-128660-221
Weather: Sun 85
Well Id. **MW-EPA-01R**
Time In: 14:20 Time Out: 14:50

Well Information

		TOC	Other
Depth to Water:	(feet)	4.22	
Depth to Bottom:	(feet)	9.65	
Depth to Product:	(feet)	—	
Length of Water Column:	(feet)	5.43	
Volume of Water in Well:	(gal)	0.88	
Three Well Volumes:	(gal)	2.65	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	other [ ]	
Sampling Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		
Average Pumping Rate: (ml/min)	200				
Duration of Pumping: (min)	30				
Total Volume Removed: (gal)	3	Did well go dry?	Yes [ ]	No [ ]	

Horiba U-52 Water Quality Meter Used? Yes [ ] No [X]

Conversion Factors

gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47

1 gallon=3.785L=3785mL=1337cu. feet

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
14:00	4.22	18.95	7.05	56	1.52	202	8.36	0.963
14:05	4.22	19.18	7.07	56	1.43	143	7.14	0.914
14:10	4.22	19.52	7.05	49	1.49	127	5.78	0.952
14:15	4.22	19.24	7.00	37	1.58	104	4.80	1.02
14:20	4.22	18.95	6.99	26	1.65	85.4	7.04	1.06
14:25	4.22	18.44	6.97	3	1.80	59.1	6.22	1.15
14:30	4.22	17.97	6.98	-23	1.81	45.1	5.42	1.21
14:35	4.22	17.57	6.97	-37	1.96	29.5	4.95	1.25
14:40	4.22	17.40	6.98	-55	2.04	19.2	4.17	1.31
14:45	4.22	17.42	6.97	-56	2.05	10.0	4.10	1.31

Sampling Information:

LOST BLUE BALL POINT PEN DOWN WELL COULD NOT RETRIEVE

EPA SW-846 Method 8270 SVOC's PAH's 2 - 250 mL amber Yes [X] No [ ]
EPA SW-846 Method 8260 VOC's BTEX 3 - 40 mL vials Yes [X] No [ ]

Sample ID: **MW-EPA-01R** Duplicate? Yes [ ] No [X]
Sample Time: 14:45 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [X]
Fed-Ex [ ] Courier [ ]

Comments/Notes:

Laboratory: Eurofins
Amherst, New York

National Grid
Excelsior Ave, Former MGP Site, Saratoga Springs, New York

Sampling Personnel: Peter Lyon
Job Number: 0625050-128660-221
Well Id. **MW-EPA-03R**

Date: 7/9/24
Weather: 75° Overcast
Time In: 1530 Time Out: 1610

Well Information

		TOC	Other
Depth to Water:	(feet)	4.32	
Depth to Bottom:	(feet)	10.77	
Depth to Product:	(feet)	-	
Length of Water Column:	(feet)	6.45	
Volume of Water in Well:	(gal)	1.03	
Three Well Volumes:	(gal)	3.09	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	other [ ]	
Sampling Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		

Average Pumping Rate:	(ml/min)	200
Duration of Pumping:	(min)	30
Total Volume Removed:	(gal)	2

Did well go dry? Yes [ ] No [X]

Horiba U-52 Water Quality Meter Used? Yes [ ] No [X]

Conversion Factors

gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47

1 gallon=3.785L=3785mL=1337cu. feet

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1535	4.69	22.60	7.68	-8	2.91	7.6	0.00	1.87
1540	4.75	21.68	7.29	-53	3.08	4.4	0.00	1.97
1545	4.80	21.69	7.24	-64	3.10	1.2	0.00	1.99
1550	4.86	21.49	7.22	-69	3.10	0.7	0.00	1.98
1555	4.90	21.20	7.21	-73	3.14	0.0	0.00	2.00
1600	4.90	21.09	7.20	-77	3.16	0.0	0.00	2.02
1605	4.90	21.04	7.20	-79	3.15	0.0	0.00	2.02

Sampling Information:

EPA SW-846 Method 8270 SVOC's PAH's — 2 - 250 mL amber — Yes [X] No [ ]
EPA SW-846 Method 8260 VOC's BTEX — 3 - 40 mL vials — Yes [X] No [ ]

Sample ID: **MW-EPA-03R** Duplicate? Yes [ ] No [X]
Sample Time: 1605 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [X] Fed-Ex [ ] Courier [ ]

Comments/Notes:

Laboratory: Eurofins Amherst, New York

National Grid
Excelsior Ave, Former MGP Site, Saratoga Springs, New York

Sampling Personnel: K
Job Number: 0625050-128660-221
Well Id. **LTMW-12**

Date: 7/9/25
Weather: Sun 80
Time In: 15:50 Time Out: 1635

Well Information

		TOC	Other
Depth to Water:	(feet)	5.10	
Depth to Bottom:	(feet)	20.10	
Depth to Product:	(feet)		
Length of Water Column:	(feet)	15.00	
Volume of Water in Well:	(gal)	2.4	
Three Well Volumes:	(gal)	7.2	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [ ]		
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	other [ ]	
Sampling Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [ ]		

Average Pumping Rate:	(ml/min)	200
Duration of Pumping:	(min)	32
Total Volume Removed:	(gal)	2

Did well go dry? Yes [ ] No [X]

Horiba U-52 Water Quality Meter Used? Yes [ ] No [X]

Conversion Factors

gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47

1 gallon=3.785L=3785mL=1337cu. feet

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
16:00	5.10	22.84	7.30	15	3.84	34.7	4.80	2.46
16:05	5.10	18.26	7.23	-86	4.03	20.3	5.06	2.58
16:10	5.10	20.59	7.27	-112	3.77	15.6	3.87	2.43
16:15	5.10	19.29	7.25	-119	3.97	17.2	3.98	2.54
16:20	5.05	20.05	7.22	-128	3.97	14.7	3.48	2.54
16:25	5.05	21.20	7.22	-134	3.90	11.2	3.02	2.49
16:30	5.07	19.79	7.22	-136	3.97	9.5	3.04	2.54

Sampling Information:

USEPA SW-846 Method 8270 SVOC's PAH's — 2 - 250 mL amber — Yes [X] No [ ]
USEPA SW-846 Method 8260 VOC's BTEX — 3 - 40 mL vials — Yes [X] No [ ]

Sample ID: **LTMW-12** Duplicate? Yes [ ] No [X]
Sample Time: 16:30 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [X] Fed-Ex [ ] Courier [ ]

Comments/Notes:

Laboratory: Eurofins Amherst, New York

National Grid
Excelsior Ave, Former MGP Site, Saratoga Springs, New York

Sampling Personnel: Peter Lyon
Job Number: 0625050-128660-221
Well Id. **MH-1**

Date: 7/9/25
Weather: 78 overcast
Time In: 1440 Time Out: 1450

Time		Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1445		23.91	7.02	-77	3.06	16.4	4.78	1.96

Sampling Information:

EPA SW-846 Method 8270	SVOC's PAH's		2 - 250 mL amber	Yes ☒	No ☐
EPA SW-846 Method 8260	VOC's BTEX		3 - 40 mL vials	Yes ☒	No ☐

Sample ID: **MH-1** Duplicate? Yes ☐ No ☒ Shipped: Syracuse Service Center ☒
Sample Time: 1445 MS/MSD? Yes ☐ No ☒ Fed-Ex ☐ Courier ☐

Comments/Notes:

Laboratory: Eurofins
Amherst, New York

National Grid
Excelsior Ave, Former MGP Site, Saratoga Springs, New York

Sampling Personnel: K
Job Number: 0625050-128660-221
Well Id. **Old Red Spring**

Date: 7/9/25
Weather: Sun 85
Time In: 14:55 Time Out: 15:10

Time		Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
14:55		18.02	6.37	70	2.98	8.5	1.20	1.71

Sampling Information:

EPA SW-846 Method 8270	SVOC's PAH's	2 - 250 mL amber	Yes ☒ No ☐
EPA SW-846 Method 8260	VOC's BTEX	3 - 40 mL vials	Yes ☒ No ☐

Sample ID: **ORS** Duplicate? Yes ☐ No ☒
Sample Time: 14:50 MS/MSD? Yes ☐ No ☒

Shipped: Syracuse Service Center ☒
Fed-Ex ☐ Courier ☐

Comments/Notes:

Laboratory: Eurofins
Amherst, New York

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Phone (716) 691-7991

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: KEVIN LEO	Lab PM: Beninati, John	Carrier Tracking No(s):	COC No: 480-203393-40374.1
Client Contact: Tim Beaumont	Phone: 315 677 1369	E-Mail: John.Beninati@et.eurofinsus.com	State of Origin:	Page: Page 1 of 2
Company: Groundwater & Environmental Services Inc	PWSID:	Analysis Requested		Job #:
Address: 6780 Northern Boulevard Suite 100	Due Date Requested:			Preservation Codes: A - HCL N - None
City: East Syracuse	TAT Requested (days):			
State, Zip: NY, 13057	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 0625050-120788-221-1106			
Email: tbeaumont@gesonline.com	WO #:			
Project Name: Saratoga Quarterly Main Site GW Event Desc: Saratoga Main Site	Project #: 48027231			Other:
Site: Saratoga Quarterly Main Site GWS	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - BTEX - 8260	8270E_SIM - PAH Semivolatiles	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	N		
LTMW-01	7/9/25	11:45	G	Water			2	3	5	
LTMW-02		10:45	G	Water			2	3	5	
LTMW-03		11:30	G	Water			2	3	5	
LTMW-04		12:20	G	Water			2	3	5	
LTMW-04-MS		12:20	G	Water			2	3	5	
LTMW-04-MSD		12:20	G	Water			2	3	5	
LTMW-05		13:25	G	Water			2	3	5	
LTMW-06A		13:40	G	Water			2	3	5	
LTMW-12		16:30	G	Water			2	3	5	
LTMW-13		10:40	G	Water			2	3	5	
LTMW-14		1255	G	Water			2	3	5	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) CAT B DELIVERY

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 7/9/25 16:45	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Phone (716) 691-7991

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: KEVIN LEE	Lab PM: Beninati, John	Carrier Tracking No(s):	COC No: 480-203393-40374.2
Client Contact: Tim Beaumont	Phone: 315 877 1369	E-Mail: John.Beninati@et.eurofinsus.com	State of Origin:	Page: Page 2 of 2
Company: Groundwater & Environmental Services Inc	PWSID:			Job #:

Address: 6780 Northern Boulevard Suite 100	Due Date Requested:	Analysis Requested	Preservation Codes: A - HCL N - None
City: East Syracuse	TAT Requested (days):		
State, Zip: NY, 13057	Compliance Project: Δ Yes Δ No		
Phone:	PO #: 0625050-120788-221-1106		
Email: tbeaumont@gesonline.com	WO #:		Other:
Project Name: Saratoga Quarterly Main Site GW Event Desc: Saratoga Main Site	Project #: 48027231		
Site: Saratoga Quarterly Main Site GWS	SSOW#:		

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - BTEX - 8260	8270E_SIM - PAH Semivolatiles	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	N		
LTMW-15	7/9/25	14:20	G	Water			3	2	5	
ORS		14:50	G	Water			3	2	5	
MH-1		14:45	G	Water			3	2	5	
Field Duplicate		—	G	Water			3	2	5	
MW-EPA-01R		14:45	G	Water			3	2	5	
MW-EPA-03R		16:00	G	Water			3	2	5	
Trip Blank				Water				2	2	

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Deliverable Requested: I, II, III, IV, Other (specify) CAT B DELIVERY

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:			
Relinquished by:	Date/Time: 7/9/25 16:45	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Well ID.	Sample?	Well Size	DTW	DTP	DTB	Comments
LTMP-01	no	2"			16.79	
LTMP-02	no	2"			19.10	
LTMP-2A	no	2"			15.00	
LTMP-03	no	2"			11.59	
LTMP-04	no	2"			11.25	
LTMP-05	no	2"			14.75	
LTMP-06	no	2"			14.46	
LTMP-14	no	2"			8.87	
LTMP-15	no	2"			11.17	
LTMW-01	yes	2"	6.00		15.70	
LTMW-02	yes	2"	6.02		13.53	Field Duplicate
LTMW-03	yes	2"	5.40		12.09	
LTMW-04	yes	2"	2.10		12.56	MS/MSD
LTMW-05	yes	2"	2.78		13.00	
LTMW-6A	yes	2"	5.69		15.38	
LTMW-14	yes	2"	6.69		17.78	
LTMW-15	yes	2"	4.26		10.77	
LTMP-06A	no	2"			7.37	
LTMP-14A	no	2"			8.87	
LTMP-15A	no	2"			7.14	
DW-1	no	8"			23.10	
DW-2	no	8"			15.80	
DW-3	no	8"			27.85	
DW-4	no	8"			25.50	
DW-5	no	8"			24.70	
DW-6	no	8"			28.30	
DW-7	no	10"			9.00	
MW-EPA-01R	yes	2"			9.65	
MW-EPA-03R	yes	2"	4.07		13.84	
LTMP-11	no	2"			14.25	
LTMP-12	no	2"	~~4.54~~		17.02	
LTMW-12	yes	2"	4.54		20.10	
LTMP-13	no	2"			22.90	
LTMW-13	yes	2"	6.38		23.05	
ORS	yes	n/a	n/a	-	n/a	
MH-1	yes	n/a	n/a	-	n/a	

National Grid
Excelsior Ave, Former MGP Site, Saratoga Springs, New York

Sampling Personnel: Peter Lyba
Job Number: 0625050-128660-221
Well Id. **LTMW-01**

Date: 10/9/25
Weather: 60° Sunny
Time In: 1158 Time Out: 1250

Well Information

		TOC	Other
Depth to Water:	(feet)	6.00	
Depth to Bottom:	(feet)	15.70	
Depth to Product:	(feet)	-	
Length of Water Column:	(feet)	9.7	
Volume of Water in Well:	(gal)	1.61	
Three Well Volumes:	(gal)	4.83	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [ ] No [X]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:		Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]	
Tubing/Bailer Material:		Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	other
Sampling Method:		Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]	
Average Pumping Rate:	(ml/min)	200			
Duration of Pumping:	(min)	30			
Total Volume Removed:	(gal)	2			

Did well go dry? Yes [ ] No [X]

Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors

gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47

1 gallon=3.785L=3785mL=1337cu. feet

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1200	6.67	17.04	6.60	94	2.01	184	3.03	1.31
1205	7.31	16.47	6.93	95	2.05	186	2.49	1.31
1210	7.31	17.26	7.59	92	2.04	177	3.54	1.30
1215	7.21	16.49	7.02	101	2.05	178	3.35	1.31
1220	7.92	16.09	7.26	102	2.04	168	3.27	1.31
1225	8.18	16.22	7.19	99	2.05	105	3.47	1.31
1230	8.29	15.86	7.24	104	2.06	73.1	3.10	1.32
1235	8.35	15.94	7.22	107	2.08	48.2	2.68	1.33
1240	8.37	15.92	7.21	107	2.08	12.7	2.60	1.33
1245	8.62	15.93	7.21	108	2.07	9.87	2.60	1.33

Sampling Information:

EPA SW-846 Method 8270 SVOC's PAH's
EPA SW-846 Method 8260 VOC's BTEX

2 - 250 mL amber Yes [X] No [ ]
3 - 40 mL vials Yes [X] No [ ]

Sample ID: **LTMW-01** Duplicate? Yes [ ] No [X]
Sample Time: 1245 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [ ]
Fed-Ex [ ] Courier [ ]

Comments/Notes:

Laboratory: Eurofins
Amherst, New York

National Grid

Excelsior Ave, Former MGP Site, Saratoga Springs, New York

Sampling Personnel: K

Job Number: 0625050-128660-221

Well Id. **LTMW-02**

Date: 10/9/25

Weather: Sunny 65

Time In: 11:45 Time Out: 1230

Well Information

		TOC	Other
Depth to Water:	(feet)	6.02	
Depth to Bottom:	(feet)	13.53	
Depth to Product:	(feet)	-	
Length of Water Column:	(feet)	7.51	
Volume of Water in Well:	(gal)	1.20	
Three Well Volumes:	(gal)	3.60	

Well Type: Flushmount [X] Stick-Up [ ]

Well Locked: Yes [X] No [ ]

Measuring Point Marked: Yes [X] No [ ]

Well Material: PVC [X] SS [ ] Other: ____

Well Diameter: 1" [ ] 2" [X] Other: ____

Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	other [ ]	
Sampling Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		
Average Pumping Rate: (ml/min)	200				
Duration of Pumping: (min)	35				
Total Volume Removed: (gal)	2	Did well go dry?	Yes [ ]	No [X]	

Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47

1 gallon=3.785L=3785mL=1337cu. feet

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
11:50	6.02	18.62	7.00	90	2.14	108	5.12	1.39
11:55	6.02	18.60	6.90	63	2.59	33.9	0.87	1.65
12:00	6.02	18.83	6.99	64	2.18	17.8	0.64	1.38
12:05	6.02	18.86	7.06	68	1.92	8.1	0.73	1.23
12:10	6.02	19.93	7.10	75	1.79	4.6	0.83	1.15
12:15	6.02	18.95	7.12	80	1.75	3.5	0.87	1.12
12:20	6.02	18.91	7.13	85	1.72	2.6	0.97	1.10

Sampling Information:

EPA SW-846 Method 8270 SVOC's PAH's

EPA SW-846 Method 8260 VOC's BTEX

4 - 250 mL amber Yes [X] No [ ]

6 - 40 mL vials Yes [X] No [ ]

Field Duplicate

Sample ID: **LTMW-02** Duplicate? Yes [X] No [ ]

Sample Time: 12:27 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [ ] Fed-Ex [ ] Courier [ ]

Comments/Notes:

Laboratory: Eurofins Amherst, New York

National Grid
Excelsior Ave, Former MGP Site, Saratoga Springs, New York

Sampling Personnel: JK
Job Number: 0625050-128660-221
Well Id. **LTMW-03**

Date: 10/9/12
Weather: Sun 60
Time In: 11:20 Time Out: 11:40

Well Information

		TOC	Other
Depth to Water:	(feet)	5.40	
Depth to Bottom:	(feet)	12.09	
Depth to Product:	(feet)		
Length of Water Column:	(feet)	6.69	
Volume of Water in Well:	(gal)	1.07	
Three Well Volumes:	(gal)	3.21	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:		Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]	
Tubing/Bailer Material:		Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	other [ ]
Sampling Method:		Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]	
Average Pumping Rate:	(ml/min)	200			
Duration of Pumping:	(min)	30			
Total Volume Removed:	(gal)	2			

Did well go dry? Yes [ ] No [X]

Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors

gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47

1 gallon=3.785L=3785mL=1337cu. feet

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
11:05	BELOW PMP	18.47	6.81	162	3.83	12.6	5.40	2.47
11:10		18.72	6.77	142	3.78	16.0	3.80	2.42
11:15		18.93	6.75	87	3.69	14.1	2.17	2.35
11:20		19.24	6.75	71	3.62	12.8	1.58	2.31
11:25		19.31	6.75	63	3.61	10.0	1.37	2.31
11:32		19.45	6.76	52	3.60	9.4	1.17	2.30
11:35	↓	19.47	6.75	46	3.60	9.7	1.08	2.30

Sampling Information:

EPA SW-846 Method 8270 SVOC's PAH's
EPA SW-846 Method 8260 VOC's BTEX

2 - 250 mL amber Yes [X] No [ ]
3 - 40 mL vials Yes [X] No [ ]

Sample ID: **LTMW-03**
Sample Time: 11:35

Duplicate? Yes [ ] No [X]
MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [ ]
Fed-Ex [ ] Courier [ ]

Comments/Notes:

Laboratory: Eurofins
Amherst, New York

National Grid
Excelsior Ave, Former MGP Site, Saratoga Springs, New York

Sampling Personnel: K
Date: 10/9/24
Job Number: 0625050-128660-221
Weather: Sun 50
Well Id. **LTMW-04**
Time In: 09:50 Time Out: 11:00

Well Information

		TOC	Other
Depth to Water:	(feet)	2.10	
Depth to Bottom:	(feet)	12.56	
Depth to Product:	(feet)	—	
Length of Water Column:	(feet)	10.46	
Volume of Water in Well:	(gal)	1.67	
Three Well Volumes:	(gal)	5.02	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:		Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]	
Tubing/Bailer Material:		Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	other [ ]
Sampling Method:		Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]	
Average Pumping Rate:	(ml/min)	200			
Duration of Pumping:	(min)	30			
Total Volume Removed:	(gal)	2			

Did well go dry? Yes [ ] No [X]

Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors

gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47

1 gallon=3.785L=3785mL=1337cu. feet

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
09:55	2.68	19.80	7.34	-10	0.470	68.8	6.30	0.294
10:00	2.88	20.25	7.21	44	0.397	52.9	6.60	0.254
10:05	2.78	20.09	7.14	95	0.394	25.1	6.33	0.257
10:10	2.84	19.91	7.11	116	0.440	17.7	5.26	0.288
10:15	2.85	19.86	7.06	125	0.514	8.8	4.06	0.330
10:20	2.86	19.90	7.03	130	0.559	6.9	3.47	0.359
10:25	2.88	19.87	7.00	133	0.606	5.5	2.93	0.308

Sampling Information:

EPA SW-846 Method 8270 SVOC's PAH's
EPA SW-846 Method 8260 VOC's BTEX
6 - 250 mL amber Yes [X] No [ ]
9 - 40 mL vials Yes [X] No [ ]

LTMW-04-MS and LTMW-04-MSD

Sample ID: **LTMW-04** Duplicate? Yes [ ] No [X]
Sample Time: 10:25 MS/MSD? Yes [X] No [ ]

Shipped: Syracuse Service Center [ ]
Fed-Ex [ ] Courier [ ]

Comments/Notes:

Laboratory: Eurofins
Amherst, New York

National Grid
Excelsior Ave, Former MGP Site, Saratoga Springs, New York

Sampling Personnel: JK
Job Number: 0625050-128660-221
Well Id. **LTMW-05**

Date: 10/9/25
Weather: Sun 45
Time In: 08:45 Time Out: 09:50

Well Information

		TOC	Other
Depth to Water:	(feet)	2.78	
Depth to Bottom:	(feet)	13.00	
Depth to Product:	(feet)	—	
Length of Water Column:	(feet)	10.72	
Volume of Water in Well:	(gal)	1.71	
Three Well Volumes:	(gal)	5.14	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:		Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]	
Tubing/Bailer Material:		Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	other [ ]
Sampling Method:		Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]	
Average Pumping Rate:	(ml/min)	200			
Duration of Pumping:	(min)				
Total Volume Removed:	(gal)				

Did well go dry? Yes [ ] No [X]

Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors

gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.4

1 gallon=3.785L=3785mL=1337cu. feet

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
09:10	4.00	19.49	7.08	-130	1.17	185	2.27	0.741
09:25	4.28	19.78	6.92	-92	1.12	25.6	0.78	0.721
09:10	4.20	19.77	6.89	-95	1.20	11.0	0.47	0.769
09:15	4.24	19.71	6.89	-96	1.23	10.0	0.35	0.787
09:20	4.22	19.74	6.89	-97	1.26	8.3	0.22	0.803
09:25	4.23	19.72	6.89	-99	1.27	7.1	0.16	0.816
09:30	4.22	19.78	6.88	-99	1.28	6.4	0.13	0.816

Sampling Information:

EPA SW-846 Method 8270 SVOC's PAH's
EPA SW-846 Method 8260 VOC's BTEX

2 - 250 mL amber Yes [X] No [ ]
3 - 40 mL vials Yes [X] No [ ]

Sample ID: **LTMW-05**
Sample Time: 09:30

Duplicate? Yes [ ] No [X]
MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [ ]
Fed-Ex [ ] Courier [ ]

Laboratory: Eurofins Amherst, New York

Comments/Notes:

National Grid
Excelsior Ave, Former MGP Site, Saratoga Springs, New York

Sampling Personnel: Peter Lyon
Date: 10/9/25
Job Number: 0625050-128660-221
Weather: Sunny 55°
Well Id. **LTMW-6A**
Time In: 1009 Time Out: 1105

Well Information

		TOC	Other
Depth to Water:	(feet)	5.69	
Depth to Bottom:	(feet)	15.38	
Depth to Product:	(feet)	–	
Length of Water Column:	(feet)	9.69	
Volume of Water in Well:	(gal)	1.55	
Three Well Volumes:	(gal)	4.65	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [ ] No [X]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	other [ ]	
Sampling Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		
Average Pumping Rate: (ml/min)	200				
Duration of Pumping: (min)	30				
Total Volume Removed: (gal)	2	Did well go dry?	Yes [ ]	No [X]	

Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors

gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47

1 gallon=3.785L=3785mL=1337cu. feet

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1015	5.94	17.92	7.62	-32	0.830	8.5	1.20	0.531
1020	6.10	17.85	7.63	-47	0.837	10.1	0.40	0.536
1025	6.23	17.81	7.71	-51	0.841	18.8	0.30	0.539
1030	6.28	17.52	7.72	-53	0.845	26.8	0.16	0.541
1035	6.36	17.51	7.84	-50	0.839	25.0	0.34	0.537
1040	6.49	17.36	7.85	-58	0.848	20.5	0.12	0.543
1045	6.57	17.26	7.87	-59	0.850	20.6	0.12	0.545
1050	6.60	17.94	8.00	-65	0.841	~~20.6~~ 18.3	0.57	0.541
1055	6.63	17.43	7.69	-57	0.841	11.2	6.20	0.540
1100	6.64	17.60	7.56	-55	0.844	9.3	5.24	0.540

Sampling Information:

EPA SW-846 Method 8270 SVOC's PAH's
EPA SW-846 Method 8260 VOC's BTEX

2 - 250 mL amber Yes [X] No [ ]
3 - 40 mL vials Yes [X] No [ ]

Sample ID: **LTMW-6A** Duplicate? Yes [ ] No [X]
Sample Time: 1100 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [ ]
Fed-Ex [ ] Courier [ ]

Comments/Notes:

Laboratory: Eurofins
Amherst, New York

National Grid
Excelsior Ave, Former MGP Site, Saratoga Springs, New York

Sampling Personnel: AJ
Date: 10/8/25
Job Number: 0625050-128660-221
Weather: 64°F, mostly sunny
Well Id. **LTMW-12**
Time In: 1530 Time Out: 1615

Well Information

		TOC	Other
Depth to Water:	(feet)	4.54	
Depth to Bottom:	(feet)	20.10	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	15.56	
Volume of Water in Well:	(gal)	2.48	
Three Well Volumes:	(gal)	7.4	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [ ]		
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	other [ ]	
Sampling Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [ ]		

Average Pumping Rate: 200 (ml/min)
Duration of Pumping: (min)
Total Volume Removed: (gal)
Did well go dry? Yes [ ] No [X]
Horiba U-52 Water Quality Meter Used? Yes [ ] No [X]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.4

1 gallon=3.785L=3785mL=1337cu. feet

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1535	4.61	20.80	6.85	-54	4.11	18.4	1.43	2.60
1540	4.62	20.28	6.96	-40	4.76	22.4	0.03	3.04
1545	4.61	20.35	6.92	-101	4.99	2.3	0.00	3.19
1550	4.61	20.33	6.93	-110	4.96	4.9	0.00	3.18
1555	4.61	20.31	6.94	-125	4.91	11.8	0.00	3.14
1600	4.61	20.38	6.95	-145	4.89	3.6	0.00	3.13
1605	4.61	20.52	6.95	-152	4.91	3.3	0.00	3.14

Sampling Information:

USEPA SW-846 Method 8270 SVOC's PAH's
USEPA SW-846 Method 8260 VOC's BTEX

2 - 250 mL amber Yes [X] No [ ]
3 - 40 mL vials Yes [X] No [ ]

Sample ID: **LTMW-12** Duplicate? Yes [ ] No [X]
Sample Time: 1610 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [ ]
Fed-Ex [ ] Courier [ ]

Comments/Notes:

Laboratory: Eurofins
Amherst, New York

National Grid
Excelsior Ave, Former MGP Site, Saratoga Springs, New York

Sampling Personnel: AJ
Date: 10/8/25
Job Number: 0625050-128660-221
Weather: 62°F, mostly sunny
Well Id. **LTMW-13**
Time In: 1620 Time Out: 1735

Well Information

		TOC	Other
Depth to Water:	(feet)	6.38	
Depth to Bottom:	(feet)	23.05	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	16.67	
Volume of Water in Well:	(gal)	2.66	
Three Well Volumes:	(gal)	8.0	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other: ____
Well Diameter: 1" [ ] 2" [X] Other: ____
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [ ]		
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	other [ ]	
Sampling Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [ ]		

Average Pumping Rate: 200 (ml/min)
Duration of Pumping: 60 (min)
Total Volume Removed: 3 (gal)
Did well go dry? Yes [ ] No [X]
Horiba U-52 Water Quality Meter Used? Yes [ ] No [X]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47

1 gallon=3.785L=3785mL=1337cu. feet

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1625	6.39	20.49	6.89	-109	4.58	89.3	0.23	2.95
1630	6.39	19.98	6.70	-67	4.24	178	049	2.72
1635	6.39	19.20	6.56	-68	4.29	121	0.00	2.75
1640	6.39	19.11	6.54	-68	4.32	81.8	0.00	2.76
1645	6.39	19.01	6.53	-67	4.32	54.8	0.00	2.77
1650	6.39	18.82	6.52	-66	4.34	34.2	0.00	2.78
1655	6.39	18.79	6.52	-66	4.34	31.3	0.00	2.78
1700	6.39	18.73	6.51	-65	4.34	26.4	0.00	2.78
1710	6.39	18.72	6.52	-65	4.34	25.7	0.00	2.78
1715	6.39	18.73	6.51	-64	4.34	22.3	0.00	2.78
1720	6.39	18.72	6.51	-64	4.35	19.2	0.00	2.78
1725	6.39	18.66	6.51	-63	4.34	18.1	0.00	2.78

Sampling Information:

USEPA SW-846 Method 8270 SVOC's PAH's — 2 - 250 mL amber — Yes [X] No [ ]
USEPA SW-846 Method 8260 VOC's BTEX — 3 - 40 mL vials — Yes [X] No [ ]

Sample ID: **LTMW-13** Duplicate? Yes [ ] No [X]
Sample Time: 1730 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [ ] Fed-Ex [ ] Courier [ ]

Comments/Notes:

Laboratory: Eurofins Amherst, New York

National Grid
Excelsior Ave, Former MGP Site, Saratoga Springs, New York

Sampling Personnel: Peter Lyon
Job Number: 0625050-128660-221
Well Id. **LTMW-14**

Date: 10/9/15
Weather: 60° Sunny
Time In: 1109 Time Out: 1150

Well Information

		TOC	Other
Depth to Water:	(feet)	1.69	
Depth to Bottom:	(feet)	17.78	
Depth to Product:	(feet)	–	
Length of Water Column:	(feet)	16.09	
Volume of Water in Well:	(gal)	2.67	
Three Well Volumes:	(gal)	8.01	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	other [ ]	
Sampling Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		
Average Pumping Rate: (ml/min)	200				
Duration of Pumping: (min)	30				
Total Volume Removed: (gal)	2	Did well go dry?	Yes [ ]	No [ ]	

Horiba U-52 Water Quality Meter Used? Yes [ ] No [X]

Conversion Factors				
gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.4

1 gallon=3.785L=3785mL=1337cu. feet

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1115	1.82	12.64	2.66	17	0.988	13.5	2.19	0.632
1120	1.78	12.44	2.44	54	1.00	25.7	1.39	0.639
1125	1.80	12.90	2.29	74	1.01	40.1	1.66	0.644
1130	1.79	12.54	2.29	80	1.06	28.6	1.26	0.682
1135	1.80	12.40	2.10	77	1.10	17.7	0.70	0.702
1140	1.80	12.27	2.07	76	1.11	10.8	0.54	0.709
1145	1.80	12.27	2.6	77	1.11	8.2	0.45	0.710

Sampling Information:

EPA SW-846 Method 8270 SVOC's PAH's — 2 - 250 mL amber — Yes [X] No [ ]
EPA SW-846 Method 8260 VOC's BTEX — 3 - 40 mL vials — Yes [X] No [ ]

Sample ID: **LTMW-14** Duplicate? Yes [ ] No [X]
Sample Time: 1145 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [ ] Fed-Ex [ ] Courier [ ]

Comments/Notes:

Laboratory: Eurofins Amherst, New York

National Grid
Excelsior Ave, Former MGP Site, Saratoga Springs, New York

Sampling Personnel: Peter Lyon
Job Number: 0625050-128660-221
Well Id. **LTMW-15**

Date: 10/9/25
Weather: 50° Sunny
Time In: 0912 Time Out: 0950

Well Information

		TOC	Other
Depth to Water:	(feet)	4.26	
Depth to Bottom:	(feet)	10.77	
Depth to Product:	(feet)	—	
Length of Water Column:	(feet)	6.51	
Volume of Water in Well:	(gal)	6.34	
Three Well Volumes:	(gal)	19.03	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	other [ ]	
Sampling Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		
Average Pumping Rate: (ml/min)	200				
Duration of Pumping: (min)	30				
Total Volume Removed: (gal)	2	Did well go dry?	Yes [ ]	No [X]	

Horiba U-52 Water Quality Meter Used? Yes [ ] No [X]

Conversion Factors

gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47

1 gallon=3.785L=3785mL=1337cu. feet

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
0915	4.80	17.14	7.25	-70	1.50	28.3	4.49	0.953
0920	5.30	18.48	7.14	-101	1.41	95.2	3.50	0.902
0925	5.43	18.52	7.16	-105	1.35	218	3.19	0.863
0930	5.58	16.69	7.20	-113	1.31	106	0.00	0.838
0935	5.38	18.73	7.21	-115	1.29	53.6	0.00	0.824
0940	5.38	18.92	7.21	-118	1.28	32.4	0.00	0.816
0945	5.38	19.02	7.17	-109	1.27	20.1	0.00	0.811
0950	5.58	19.15	7.18	-114	1.26	12.1	0.00	0.809
0955	5.38	19.20	7.20	-116	1.26	~~23.8~~ 9.8	0.00	0.808

Sampling Information:

EPA SW-846 Method 8270 SVOC's PAH's
EPA SW-846 Method 8260 VOC's BTEX

2 - 250 mL amber Yes [X] No [ ]
3 - 40 mL vials Yes [X] No [ ]

Sample ID: **LTMW-15** Duplicate? Yes [ ] No [X]
Sample Time: ~~0950~~ 0955 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [ ]
Fed-Ex [ ] Courier [ ]

Comments/Notes:

Laboratory: Eurofins
Amherst, New York

National Grid
Excelsior Ave, Former MGP Site, Saratoga Springs, New York

Sampling Personnel: AS
Date: 10/9/25
Job Number: 0625050-128660-221
Weather: 50°F, sunny
Well Id. **MW-EPA-01R**
Time In: 1220 Time Out: 1315

Well Information

		TOC	Other
Depth to Water:	(feet)	3.76	
Depth to Bottom:	(feet)	9.65	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	5.89	
Volume of Water in Well:	(gal)	0.94	
Three Well Volumes:	(gal)	2.8	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	other [ ]	
Sampling Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		
Average Pumping Rate:	200 (ml/min)				
Duration of Pumping:	(min)				
Total Volume Removed:	(gal)				

Did well go dry? Yes [ ] No [X]

Horiba U-52 Water Quality Meter Used? Yes [ ] No [X]

Conversion Factors

gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47

1 gallon=3.785L=3785mL=1337cu. feet

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1225	4.41	16.80	6.70	-46	2.41	251	1.13	1.56
1230	Bdow Pump	19.61	6.64	-18	2.23	84.0	2.11	1.42
1235		19.74	6.64	-28	2.34	54.5	1.77	1.49
1240		19.91	6.62	-39	2.47	32.6	1.33	1.58
1245		20.01	6.63	-51	2.59	21.9	1.26	1.65
1250		20.07	6.65	-68	2.73	12.8	0.66	1.75
1255		19.95	6.65	-70	2.74	11.3	0.58	1.76
1300		20.02	6.66	-73	2.76	9.1	0.53	1.76
1305		20.09	6.66	-79	2.78	9.1	0.34	1.78

Sampling Information:

EPA SW-846 Method 8270 SVOC's PAH's
EPA SW-846 Method 8260 VOC's BTEX

2 - 250 mL amber Yes [X] No [ ]
3 - 40 mL vials Yes [X] No [ ]

Sample ID: **MW-EPA-01R** Duplicate? Yes [ ] No [X]
Sample Time: 1310 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [ ]
Fed-Ex [ ] Courier [ ]

Comments/Notes:

Laboratory: Eurofins
Amherst, New York

National Grid
Excelsior Ave, Former MGP Site, Saratoga Springs, New York

Sampling Personnel: AJ
Job Number: 0625050-128660-221
Well Id. **MW-EPA-03R**

Date: 10/8/25
Weather: 62°F, mostly sunny
Time In: 1425 Time Out: 1515

Well Information

		TOC	Other
Depth to Water:	(feet)	4.07	
Depth to Bottom:	(feet)	10.77	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	6.70	
Volume of Water in Well:	(gal)	1.07	
Three Well Volumes:	(gal)	3.2	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other: ____
Well Diameter: 1" [ ] 2" [X] Other: ____
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	other [ ]	
Sampling Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		

Average Pumping Rate: 200 (ml/min)
Duration of Pumping: 30 (min)
Total Volume Removed: 2.5 (gal)
Did well go dry? Yes [ ] No [✓]
Horiba U-52 Water Quality Meter Used? Yes [ ] No [X]

Conversion Factors

gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47

1 gallon=3.785L=3785mL=1337cu. feet

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1430	5.65	18.23	6.83	-44	3.61	74.3	7.28	2.31
1435	5.65	19.19	6.72	-59	3.59	64.1	6.02	2.29
1440	5.65	19.49	6.71	-63	3.61	46.7	5.44	2.31
1445	5.65	19.89	6.68	-69	3.64	22.8	4.59	2.33
1450	5.65	20.20	6.67	-74	3.63	13.3	3.94	2.33
1455	5.65	20.62	6.67	-78	3.63	9.8	3.41	2.32
1500	5.65	20.94	6.68	-83	3.61	6.2	2.92	2.31

Sampling Information:

EPA SW-846 Method 8270 SVOC's PAH's
EPA SW-846 Method 8260 VOC's BTEX

2 - 250 mL amber Yes [X] No [ ]
3 - 40 mL vials Yes [X] No [ ]

Sample ID: **MW-EPA-03R** Duplicate? Yes [ ] No [X]
Sample Time: 1505 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [ ]
Fed-Ex [ ] Courier [ ]

Comments/Notes:

Laboratory: Eurofins Amherst, New York

National Grid
Excelsior Ave, Former MGP Site, Saratoga Springs, New York

Sampling Personnel: Peter Lyon
Date: 10/9/25
Job Number: 0625050-128660-221
Weather: Sunny 50°
Well Id. **MH-1**
Time In: 0843 Time Out: 0950

Time		Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
0845		18.47	7.41	-49	2.80	64.8	5.33	1.66

Sampling Information:

EPA SW-846 Method 8270 SVOC's PAH's — 2 - 250 mL amber — Yes [X] No [ ]
EPA SW-846 Method 8260 VOC's BTEX — 3 - 40 mL vials — Yes [X] No [ ]

Sample ID: **MH-1** Duplicate? Yes [ ] No [X]
Sample Time: 0845 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [ ] Fed-Ex [ ] Courier [ ]

Comments/Notes:

Laboratory: Eurofins Amherst, New York

National Grid
Excelsior Ave, Former MGP Site, Saratoga Springs, New York

Sampling Personnel: K
Date: 10/9/25
Job Number: 0625050-128660-221
Weather: Sun 52
Well Id. **Old Red Spring**
Time In: 1235 Time Out:

Time		Temp (°C)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
12:40		16.46	6.37	2	2.84	1.5	6.90	1.82

Sampling Information:

EPA SW-846 Method 8270 SVOC's PAH's — 2 - 250 mL amber — Yes ☒ No ☐
EPA SW-846 Method 8260 VOC's BTEX — 3 - 40 mL vials — Yes ☒ No ☐

Sample ID: **ORS** Duplicate? Yes ☐ No ☒
Sample Time: 12:40 MS/MSD? Yes ☐ No ☒

Shipped: Syracuse Service Center ☐
Fed-Ex ☐ Courier ☐

Comments/Notes:

Laboratory: Eurofins
Amherst, New York

Well ID.	Sample?	Well Size	DTW	DTP	DTB	Comments
LTMW-06	yes	2"	6.35		19.41	
LTMW-07	yes	2"	9.09		28.25	
LTMW-08	yes	2"	10.01		27.23	*SAMPLE IN OCTOBER ONLY*

National Grid
Excelsior Ave, Former MGP Site, Saratoga Springs, New York

Sampling Personnel: AJ
Job Number: 0625050-128660-221
Well Id. **LTMW-06**

Date: 10/9/25
Weather: 44°F, sunny
Time In: 0855 Time Out: 0945

Well Information

		TOC	Other
Depth to Water:	(feet)	6.35	
Depth to Bottom:	(feet)	19.41	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	13.06	
Volume of Water in Well:	(gal)	2.08	
Three Well Volumes:	(gal)	6.2	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [ ] No [X]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	other [ ]	
Sampling Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		

Average Pumping Rate: 200 (ml/min)
Duration of Pumping: 35 (min)
Total Volume Removed: 2.15 (gal)

Did well go dry? Yes [ ] No [X]

Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors

gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47

1 gallon=3.785L=3785mL=1337cu. feet

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
0900	7.85	14.67	6.60	0	0.960	84.3	9.58	0.615
0905	8.151	15.05	6.53	-5	0.950	69.4	8.91	0.609
0910	8.65	15.54	6.40	-11	0.927	47.5	9.15	0.593
0915	8.69	15.57	6.40	-16	0.950	39.9	6.85	0.608
0920	8.91	15.13	7.09	-28	1.00	21.5	1.31	0.642
0925	9.55	15.66	6.44	-25	0.981	12.5	0.26	0.628
0930	10.00	15.78	6.39	-27	0.966	7.9	0.18	0.618
0935	10.24	15.81	6.41	-27	0.965	7.4	0.22	0.618

Sampling Information:

EPA SW-846 Method 8270 SVOC's PAH's
EPA SW-846 Method 8260 VOC's BTEX

2 - 250 mL amber Yes [X] No [ ]
3 - 40 mL vials Yes [X] No [ ]

Sample ID: **LTMW-06** Duplicate? Yes [ ] No [X]
Sample Time: 0940 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [ ]
Fed-Ex [ ] Courier [ ]

Comments/Notes:

Laboratory: Eurofins
Amherst, New York

National Grid
Excelsior Ave, Former MGP Site, Saratoga Springs, New York

Sampling Personnel: AJ
Job Number: 0625050-128660-221
Well Id. **LTMW-07**

Date: 10/9/23
Weather: 48°F, sunny
Time In: 1100 Time Out: 1215

Well Information

		TOC	Other
Depth to Water:	(feet)	9.09	
Depth to Bottom:	(feet)	28.25	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	19.16	
Volume of Water in Well:	(gal)	3.06	
Three Well Volumes:	(gal)	9.1	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [ ] No [X]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	other [ ]	
Sampling Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		
Average Pumping Rate:	200 (ml/min)				
Duration of Pumping:	60 (min)				
Total Volume Removed:	3.5 (gal)				

Did well go dry? Yes [ ] No [X]

Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors

gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.4

1 gallon=3.785L=3785mL=1337cu. feet

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1105	9.89	13.04	6.81	-70	2.60	75.0	1.75	1.70
1110	10.39	13.21	6.75	-45	2.06	224	0.20	1.30
1115	10.41	13.14	6.69	-75	2.41	209	0.00	1.69
1120	10.45	13.19	6.69	-77	2.65	196	0.00	1.69
1125	10.45	13.37	6.67	-80	2.67	176	0.00	1.71
1130	10.45	13.67	6.67	-88	2.68	164	0.00	1.72
1135	10.45	14.01	6.67	-86	2.70	159	0.00	1.73
1140	10.45	14.32	6.666	-87	2.70	158	0.00	1.73
1145	10.45	14.53	6.67	-89	2.69	164	0.00	1.72
1150	10.45	14.72	6.66	-91	2.68	225	0.00	1.71
1155	10.45	15.06	6.67	-98	2.56	379	0.00	1.78
1200	10.45	15.12	6.67	-98	2.62	374	0.00	1.68
1205	10.48	15.13	6.65	-92	2.60	361	0.00	1.67

Sampling Information:

EPA SW-846 Method 8270 SVOC's PAH's
EPA SW-846 Method 8260 VOC's BTEX

2 - 250 mL amber Yes [X] No [ ]
3 - 40 mL vials Yes [X] No [ ]

Sample ID: **LTMW-07** Duplicate? Yes [ ] No [X]
Sample Time: 1210 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [ ]
Fed-Ex [ ] Courier [ ]

Comments/Notes:

Laboratory: Eurofins
Amherst, New York

National Grid
Excelsior Ave, Former MGP Site, Saratoga Springs, New York

Sampling Personnel: AJ
Date: 10/9/25
Job Number: 0625050-128660-221
Weather: 46°F, sunny
Well Id. **LTMW-08**
Time In: 0955 Time Out: 1040

Well Information

		TOC	Other
Depth to Water:	(feet)	10.01	
Depth to Bottom:	(feet)	27.23	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	17.22	
Volume of Water in Well:	(gal)	2.75	
Three Well Volumes:	(gal)	8.2	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [ ] No [X]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	other [ ]	
Sampling Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		

Average Pumping Rate: 200 (ml/min)
Duration of Pumping: 30 (min)
Total Volume Removed: 2.5 (gal)
Did well go dry? Yes [ ] No [X]
Horiba U-52 Water Quality Meter Used? Yes [X] No [ ]

Conversion Factors

gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47

1 gallon=3.785L=3785mL=1337cu. feet

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1000	11.55	14.84	6.56	-41	1.97	30.3	2.96	1.19
1005	12.21	13.72	6.78	-71	3.19	60.4	6.35	2.03
1010	12.57	13.22	6.82	-92	3.25	17.3	5.01	2.07
1015	12.73	13.15	6.82	-93	3.25	12.1	4.70	2.08
1020	12.82	13.04	6.82	-94	3.28	3.0	3.93	2.10
1025	12.93	12.98	6.82	-94	3.28	3.3	3.56	2.10
1030	12.96	12.88	6.82	-97	3.29	4.0	2.81	2.10

Sampling Information:

EPA SW-846 Method 8270 SVOC's PAH's
EPA SW-846 Method 8260 VOC's BTEX
2 - 250 mL amber Yes [X] No [ ]
3 - 40 mL vials Yes [X] No [ ]

Sample ID: **LTMW-08** Duplicate? Yes [ ] No [X]
Sample Time: 1035 MS/MSD? Yes [ ] No [X]
Shipped: Syracuse Service Center [ ] Fed-Ex [ ] Courier [ ]

Comments/Notes:

Laboratory: Eurofins Amherst, New York

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Phone (716) 691-7991

Chain of Custody Record

eurofins

Client Information	Sampler: Kenlee	Lab PM: Beninati, John	Carrier Tracking No(s):	COC No: 480-203393-40374.1
Client Contact: Tim Beaumont	Phone: 315 671 3615	E-Mail: John.Beninati@et.eurofinsus.com	State of Origin:	Page: Page 1 of 2
Company: Groundwater & Environmental Services Inc	PWSID:			Job #:
Address: 6780 Northern Boulevard Suite 100	Due Date Requested:			
City: East Syracuse	TAT Requested (days):			
State, Zip: NY, 13057	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 0625050-120788-221-1106			
Email: tbeaumont@gesonline.com	WO #:			
Project Name: Saratoga Quarterly Main Site GW Event Desc: Saratoga Main Site	Project #: 48027231			
Site: Saratoga Quarterly Main Site GWS	SSOW#:			

Analysis Requested

Preservation Codes: A - HCL; N - None

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - BTEX - 8260	8270E_SIM - PAH Semivolatiles	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	N		
LTMW-01	10/9/25	12:45	G	Water			2	3	5	
LTMW-02	10/9/25	12:30	G	Water			2	3	5	
LTMW-03	10/9/25	11:35	G	Water			2	3	5	
LTMW-04	10/9/25	10:35	G	Water			2	3	5	
LTMW-04-MS	10/9/25	10:25	G	Water			2	3	5	
LTMW-04-MSD	10/9/25	10:25	G	Water			2	3	5	
LTMW-05	10/9/25	09:30	G	Water			2	3	5	
LTMW-06A	10/9/25	11:00	G	Water			2	3	5	
LTMW-12	10/8/25	16:10	G	Water			2	3	5	
LTMW-13	10/8/25	17:35	G	Water			2	3	5	
LTMW-14	10/9/25	11:45	G	Water			2	3	5	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

CAT B DELIVERY

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature] CoES	10/9/25 1615		[signature]	10/9/25 1615	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Phone (716) 691-7991

Chain of Custody Record

eurofins

Client Information	Sampler: Kevin C	Lab PM: Beninati, John	Carrier Tracking No(s):	COC No: 480-203393-40374.2
Client Contact: Tim Beaumont	Phone: 315 677 1304	E-Mail: John.Beninati@et.eurofinsus.com	State of Origin:	Page: Page 2 of 2
Company: Groundwater & Environmental Services Inc	PWSID:			Job #:
Address: 6780 Northern Boulevard Suite 100	Due Date Requested:			
City: East Syracuse	TAT Requested (days):			
State, Zip: NY, 13057	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 0625050-120788-221-1106			
Email: tbeaumont@gesonline.com	WO #:			
Project Name: Saratoga Quarterly Main Site GW Event Desc: Saratoga Main Site	Project #: 48027231			
Site: Saratoga Quarterly Main Site GWS	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL
N - None
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - BTEX - 8260	8270E_SIM - PAH Semivolatiles	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	N		
LTMW-15	10/9/25	0955	G	Water			3	2	5	
ORS	10/9/25	1240	G	Water			3	2	5	
MH-1	10/9/25	0845	G	Water			3	2	5	
Field Duplicate	10/9/25	—	G	Water			3	2	5	
MW-EPA-01R	10/9/25	1310	G	Water			3	2	5	
MW-EPA-03R	10/9/25	1515	G	Water			3	2	5	
Trip Blank				Water				2	2	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)
CAT B DELIVERY

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature] AFS	10/9/25 1615		[signature]	10/10/25 0815	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Phone (716) 691-7991

Chain of Custody Record

eurofins

Client Information	Sampler:	Lab PM:	Carrier Tracking No(s):	COC No:
Client Contact: Tim Beaumont	Phone:	Beninati, John		480-199983-40375.1
Company: Groundwater & Environmental Services Inc	PWSID:	E-Mail: John.Beninati@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Address: 6780 Northern Boulevard Suite 100	Due Date Requested:	Analysis Requested		Job #:
City: East Syracuse	TAT Requested (days):			Preservation Codes: A - HCL N - None
State, Zip: NY, 13057	Compliance Project: Yes No			
Phone:	PO #: 0625050-120788-221-1106			Other:
Email: tbeaumont@gesonline.com	WO #:			
Project Name: Saratoga SA Former Skating Rink GW Event Desc: Saratoga SA	Project #: 48027231			
Site: Saratoga Former Skating Rink GWS	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - BTEX - 8260	8270E_SIM - PAH Semivolatiles	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	N		
LMTW-06	10/9/25	1240	G	Water			3	2	5	
LMTW-07	"	1210	G	Water			3	2	5	
LMTW-08	"	1035	G	Water			3	2	5	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

CAT B DELIVERY

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	GES	10/9/25 1615			10/9/25 1615	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Appendix D – Data Usability Summary Report and Analytical Data

Groundwater & Environmental Services, Inc.

202 North Main Street
Kent Square North, Suite 200
Blacksburg, VA 24060

T. 800.662.5067

March 17, 2026

Devin Shay
Groundwater & Environmental Services, Syracuse
6780 Northern Blvd., Suite 100
East Syracuse, NY 13057.

RE: Data Usability Summary Report for National Grid- Saratoga Springs: Data Package Eurofins Environmental Testing, Job No. 480-226735-1

Review has been completed for the data packages generated by Eurofins Environmental Testing that pertain to monitoring well samples collected during the January 2025 sampling event at the National Grid Saratoga Springs site. Fourteen (14) aqueous samples, a matrix spike/matrix spike duplicate pair, and a field duplicate were collected from the main site. These samples were processed for volatile organic compounds benzene, toluene, ethylbenzene and xylenes (BTEX) and polycyclic aromatic hydrocarbons (PAHs). The trip blank was collected and analyzed for volatiles with the samples.

Analytical methodologies are those of the USEPA SW846 8260C and USEPA SW846 8270D with additional requirements of the NYSDEC ASP.

Complete NYSDEC Category B deliverables were included in the laboratory data package and all information required for validation of the data is present. This usability report is generated from review of the summary form information, and review of associated QC raw data. The reported summary forms have been reviewed for application of validation qualifiers, using guidance from the National Grid generic QAPP, USEPA Region 2 validation SOPs, the USEPA National Functional Guidelines for Data Review, and professional judgment, as affects the usability of the data. The following items were reviewed:

- Laboratory Narrative Discussion
- Custody Documentation
- Holding Times
- Surrogate and Internal Standard Recoveries
- Matrix Spike Recoveries/Duplicate (MS/MSD) Correlations
- Field Duplicate Correlations
- Laboratory Control Sample (LCS)
- Preparation/Calibration Blanks
- Calibration/Low Level Standard Responses
- Instrumental Tunes

All of the items were determined to be acceptable for the DUSR level review. In summary, sample results are usable, no data was qualified pursuant to this data validation.

The laboratory case narratives and sample identification summary forms are attached to this text, and should be reviewed in conjunction with this report.

Volatiles by EPA 8260D/NYSDEC ASP

Sample holding times for groundwater samples and instrumental tune fragmentations are within acceptance ranges.

Blanks show no contamination.

Surrogate and internal standard recoveries are within required limits. LCS/LCSD recoveries were within criteria and duplicate correlations fell within acceptable variance.

Calibration standards show acceptable responses within analytical protocol and validation action limits.

An MS/MSD was analyzed using LTMW-04 as the matrix. All QC elements fell within project criteria.

The blind field duplicate correlations of LTMW-02 were not calculated, as there were no positive detections reported in the original or duplicate sample.

PAHs by EPA8270E/NYSDEC ASP

Holding times were met.

Instrumental tune fragmentations are within acceptance ranges. Blanks show no contamination.

Surrogate and internal standard recoveries are within required limits. LCS/LCSD recoveries were within criteria and duplicate correlations fell within acceptable variance.

MS/MSD recoveries were within criteria and duplicate correlations fell within acceptable variance.

Calibration standards, both initial and continuing, show acceptable responses within analytical method protocols and validation guidelines.

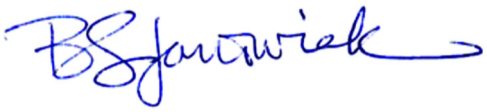
The blind field duplicate correlations of LTMW-02 were not calculated as there were no detected analytes in the original sample.

Data Package Completeness

Complete NYSDEC Category B deliverables were included in the laboratory data package, all information required for validation of the data is present.

Please do not hesitate to contact me if you have comments or questions regarding this report.

Sincerely,



Bonnie Janowiak, Ph.D., NRCC Environmental Chemist
Principal Chemist

Sample Summary

Client: Groundwater & Environmental Services Inc
Project/Site:

Job ID: 480-226735-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-226735-1	LTMW-01	Water	01/08/25 10:45	01/10/25 10:00
480-226735-2	LTMW-02	Water	01/08/25 10:50	01/10/25 10:00
480-226735-3	LTMW-03	Water	01/08/25 11:45	01/10/25 10:00
480-226735-4	LTMW-04	Water	01/08/25 12:30	01/10/25 10:00
480-226735-5	LTMW-05	Water	01/08/25 13:20	01/10/25 10:00
480-226735-6	LTMW-06A	Water	01/08/25 12:35	01/10/25 10:00
480-226735-7	LTMW-12	Water	01/08/25 10:45	01/10/25 10:00
480-226735-8	LTMW-13	Water	01/08/25 11:35	01/10/25 10:00
480-226735-9	LTMW-14	Water	01/08/25 11:35	01/10/25 10:00
480-226735-10	LTMW-15	Water	01/08/25 13:30	01/10/25 10:00
480-226735-11	MW-EPA-01R	Water	01/08/25 13:25	01/10/25 10:00
480-226735-12	MW-EPA-03R	Water	01/08/25 12:35	01/10/25 10:00
480-226735-13	ORS	Water	01/08/25 13:35	01/10/25 10:00
480-226735-14	MH-1	Water	01/08/25 13:50	01/10/25 10:00
480-226735-15	Field Duplicate	Water	01/08/25 00:00	01/10/25 10:00
480-226735-16	Trip Blank	Water	01/08/25 00:00	01/10/25 10:00

Job ID: 480-226735-1 Eurofins Buffalo

Job Narrative
480-226735-1

Receipt
The samples were received on 1/10/2025 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.7º C and 3.0º C.

GC/MS VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC/MS Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Groundwater & Environmental Services, Inc.

202 North Main Street
Kent Square North, Suite 200
Blacksburg, VA 24060

T. 800.662.5067

March 17, 2026

Devin Shay
Groundwater & Environmental Services, Syracuse
6780 Northern Blvd., Suite 100
East Syracuse, NY 13057

RE: Data Usability Summary Report for National Grid- Saratoga Springs: Data Packages
Eurofins Environment Testing Job Nos. 480-228567-1 and 480-228525-1

Review has been completed for the data packages generated by Eurofins Environment Testing, Amherst, NY (Eurofins Buffalo) that pertain to monitoring well samples collected during the April 2025 sampling event at the National Grid Saratoga Springs site. Fourteen (14) aqueous samples, a matrix spike/matrix spike duplicate pair, and a field duplicate were collected from the main site, and two (2) samples were collected from the Skating Rink area. These samples were processed for volatile organic compounds benzene, toluene, ethylbenzene and xylenes (BTEX) and polycyclic aromatic hydrocarbons (PAHs). One trip blank was analyzed for volatiles with the samples

Analytical methodologies are those of the USEPA SW846 with additional requirements of the NYSDEC ASP.

Complete NYSDEC Category B deliverables were included in the laboratory data package and all information required for validation of the data is present. This usability report is generated from review of the summary form information, and review of associated QC raw data. The reported summary forms have been reviewed for application of validation qualifiers, using guidance from the National Grid generic QAPP, USEPA Region 2 validation SOPs, the USEPA National Functional Guidelines for Data Review, and professional judgment, as affects the usability of the data. The following items were reviewed:

- Laboratory Narrative Discussion
- Custody Documentation
- Holding Times
- Surrogate and Internal Standard Recoveries
- Matrix Spike Recoveries/Duplicate (MS/MSD) Correlations
- Field Duplicate Correlations
- Laboratory Control Sample (LCS)
- Preparation/Calibration Blanks
- Calibration/Low Level Standard Responses
- Instrumental Tunes
- Instrument MDLs

All the items were determined to be acceptable for the DUSR level review. In summary, sample results are usable.

The laboratory case narratives and sample identification summary forms are attached to this text and should be reviewed in conjunction with this report.

Table A

Validation Qualifiers

Sample ID	Qualifier	Analyte	Reason for qualification
LTMW-02	U at RL	Acenaphthene Acenaphthylene Anthracene Fluorene Indeno[1,2,3-cd]pyrene	Carry-over from previous sample
LTMW-02	U at reported concentration	Benzo[a]anthracene Benzo[a]pyrene Benzo[b]fluoranthene Chrysene Fluoranthene Phenanthrene Pyrene	
Field Duplicate	U at reported concentration	Acenaphthene Fluorene Naphthalene Phenanthrene	

Shipping, Storage and Preservation

Samples from the main site arrived in multiple coolers, but all within holding time requirements and within acceptable temperature ranges.

One MSD sample bottle arrived broken. No data was affected.

BTEX and TCL Volatiles by EPA 8260C/NYSDEC ASP

Sample holding times for groundwater samples and instrumental tune fragmentations are within acceptance ranges.

Blanks show no contamination.

Surrogate and internal standard recoveries are within required limits. LCS/LCSD recoveries were within criteria and duplicate correlations fell within acceptable variance.

Calibration standards show acceptable responses within analytical protocol and validation action limits.

An MS/MSD was analyzed using LTMW-04 as the matrix. All recoveries and precision data were within criteria.

The blind field duplicate correlations of LTMW-02 were not calculated, as there were no positive detections reported in the original or duplicate sample.

PAHs by EPA8270D/NYSDEC ASP

Holding times were met. Instrumental tune fragmentations are within acceptance ranges. Blanks show no contamination.

PAH analysis includes three surrogate standards. The method allows one surrogate recovery to be out of specification and not affect the data. Surrogates recovered within criteria.

Calibration standards, both initial and continuing, show acceptable responses within analytical method protocols and validation guidelines.

The laboratory-control spike recoveries and precision indicate the method is within laboratory control.

Matrix spike and matrix spike recoveries were within laboratory specified criteria.

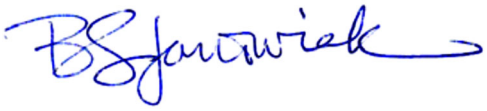
The blind field duplicate correlations of **LTMW-02** were not calculated as the low-level PAH detections are due to carry-over from the MH-1 sample. All detections are considered non-detect at the RL or the reported concentration if above RL.

Data Package Completeness

Complete NYSDEC Category B deliverables were included in the laboratory data package, all information required for validation of the data is present.

Please do not hesitate to contact me if you have comments or questions regarding this report.

Sincerely,



Bonnie Janowiak, Ph.D.,
NRCC Environmental Chemist

Sample Summary

Client: Groundwater & Environmental Services Inc
Project/Site:

Job ID: 480-228525-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-228525-1	Trip Blank	Water	04/03/25 00:00	04/05/25 10:00
480-228525-2	LTMW-06A	Water	04/03/25 12:45	04/05/25 10:00
480-228525-3	LTMW-15	Water	04/03/25 13:40	04/05/25 10:00
480-228525-4	LTMW-01	Water	04/03/25 15:10	04/05/25 10:00
480-228525-5	LTMW-14	Water	04/03/25 10:55	04/05/25 10:00
480-228525-6	MH-1	Water	04/03/25 14:00	04/05/25 10:00
480-228569-1	Field Duplicate	Water	04/03/25 00:00	04/09/25 09:30
480-228569-2	LTMW-02	Water	04/03/25 14:00	04/09/25 09:30
480-228569-3	LTMW-03	Water	04/03/25 15:05	04/09/25 09:30
480-228569-4	LTMW-04	Water	04/03/25 14:10	04/09/25 09:30
480-228569-5	LTMW-05	Water	04/03/25 13:05	04/09/25 09:30
480-228569-6	LTMW-12	Water	04/03/25 10:35	04/09/25 09:30
480-228569-7	LTMW-13	Water	04/03/25 11:30	04/09/25 09:30
480-228569-8	ORS	Water	04/03/25 14:20	04/09/25 09:30
480-228569-9	MW-EPA-01R	Water	04/03/25 13:10	04/09/25 09:30
480-228569-10	MW-EPA-03R	Water	04/03/25 12:20	04/09/25 09:30

Job Narrative
480-228525-1

REVISION

The report being provided is a revision of the original report sent on 4/15/2025. The report (revision 1) is being revised due to This report is being revised to merge jobs..

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 4/5/2025 10:00 AM and 4/9/2025 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 2.7°C, 4.1°C and 4.7°C.

Receipt Exceptions
One 250ml amber glass container for the following sample was received broken or leaking: LTMW-04-MSD (480-228569-4[MSD]).

Sample shipment received on two separate days due to fedex network delay. Samples were logged under two separate jobs based on days of receipt.

Field Duplicate (480-228569-1), LTMW-02 (480-228569-2), LTMW-03 (480-228569-3), LTMW-04 (480-228569-4), LTMW-04-MS (480-228569-4[MS]), LTMW-04-MSD (480-228569-4[MSD]), LTMW-05 (480-228569-5), LTMW-12 (480-228569-6), LTMW-13 (480-228569-7), ORS (480-228569-8), MW-EPA-01R (480-228569-9) and MW-EPA-03R (480-228569-10)

Partial shipment received. Lab only received 1 out of 3 coolers, other 2 coolers are delayed in fedex network and have yet to be received as of 4/8. Only samples received will be logged at this time. Trip Blank (480-228525-1), LTMW-06A (480-228525-2), LTMW-15 (480-228525-3), LTMW-01 (480-228525-4), LTMW-14 (480-228525-5) and MH-1 (480-228525-6)

GC/MS VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: Groundwater & Environmental Services Inc
Job ID: 480-228567-1
Project/Site:

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-228567-1	LMTW-06	Water	04/03/25 11:45	04/09/25 09:30
480-228567-2	LMTW-07	Water	04/03/25 11:00	04/09/25 09:30

Job ID: 480-228567-1 Eurofins Buffalo

Job Narrative
480-228567-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 4/9/2025 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.9°C.

GC/MS VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Groundwater & Environmental Services, Inc.

202 North Main Street
Kent Square North, Suite 200
Blacksburg, VA 24060

T. 800.662.5067

March 17, 2026

Devin Shay
Groundwater & Environmental Services, Syracuse
6780 Northern Blvd., Suite 100
East Syracuse, NY 13057

RE: Data Usability Summary Report for National Grid- Saratoga Springs: Data Packages Eurofins Environment Testing Job Nos. 480-230943-1

Review has been completed for the data packages generated by Eurofins Environment Testing, Amherst, NY (Eurofins Buffalo) that pertain to monitoring well samples collected during the July 2025 sampling event at the National Grid Saratoga Springs site. Fourteen (14) aqueous samples, a matrix spike/matrix spike duplicate pair, and a field duplicate were collected from the main site. These samples were processed for volatile organic compounds benzene, toluene, ethylbenzene and xylenes (BTEX) and polycyclic aromatic hydrocarbons (PAHs). One trip blank was analyzed for volatiles with the samples

Analytical methodologies are those of the USEPA SW846 with additional requirements of the NYSDEC ASP.

Complete NYSDEC Category B deliverables were included in the laboratory data package and all information required for validation of the data is present. This usability report is generated from review of the summary form information, and review of associated QC raw data. The reported summary forms have been reviewed for application of validation qualifiers, using guidance from the National Grid generic QAPP, USEPA Region 2 validation SOPs, the USEPA National Functional Guidelines for Data Review, and professional judgment, as affects the usability of the data. The following items were reviewed:

- Laboratory Narrative Discussion
- Custody Documentation
- Holding Times
- Surrogate and Internal Standard Recoveries
- Matrix Spike Recoveries/Duplicate (MS/MSD) Correlations
- Field Duplicate Correlations
- Laboratory Control Sample (LCS)
- Preparation/Calibration Blanks
- Calibration/Low Level Standard Responses
- Instrumental Tunes
- Instrument MDLs

All of the items were determined to be acceptable for the DUSR level review. In summary, sample results are usable.

The laboratory case narratives and sample identification summary forms are attached to this text and should be reviewed in conjunction with this report.

BTEX and TCL Volatiles by EPA 8260C/NYSDEC ASP

Sample holding times for groundwater samples and instrumental tune fragmentations are within acceptance ranges.

Blanks show no contamination.

Surrogate and internal standard recoveries are within required limits. LCS/LCSD recoveries were within criteria and duplicate correlations fell within acceptable variance.

Calibration standards show acceptable responses within analytical protocol and validation action limits.

An MS/MSD was analyzed using LTMW-04 as the matrix; recoveries were within criteria and duplicate correlations fell within acceptable variance.

The blind field duplicate correlations of LTMW-02 were not calculated, as there were no positive detections reported in the original or duplicate sample.

PAHs by EPA8270D/NYSDEC ASP

Holding times were met. Instrumental tune fragmentations are within acceptance ranges. Blanks show no contamination.

PAH analysis includes three surrogate standards. The method allows one surrogate recovery to be out of specification and not affect the data. There were no samples that had more than one surrogate recovery out of specification, and no qualifiers were required.

Calibration standards, both initial and continuing, show acceptable responses within analytical method protocols and validation guidelines.

The laboratory-control spike recoveries and precision indicate the method is within laboratory control.

Matrix spike and matrix spike recoveries were within laboratory specified criteria.

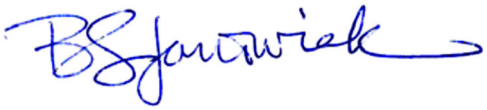
The blind field duplicate correlations of LTMW-02 were not calculated as there were no detected analytes in the original sample

Data Package Completeness

Complete NYSDEC Category B deliverables were included in the laboratory data package, all information required for validation of the data is present.

Please do not hesitate to contact me if you have comments or questions regarding this report.

Sincerely,



Bonnie Janowiak, Ph.D.
Principal Chemist
NRCC Environmental Chemist

Sample Summary

Client: Groundwater & Environmental Services Inc
Job ID: 480-230943-1
Project/Site:

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-230943-1	Field Duplicate	Water	07/09/25 00:00	07/10/25 10:00
480-230943-2	LTMW-01	Water	07/09/25 11:45	07/10/25 10:00
480-230943-3	LTMW-02	Water	07/09/25 10:40	07/10/25 10:00
480-230943-4	LTMW-03	Water	07/09/25 11:30	07/10/25 10:00
480-230943-5	LTMW-04	Water	07/09/25 12:20	07/10/25 10:00
480-230943-6	LTMW-05	Water	07/09/25 13:25	07/10/25 10:00
480-230943-7	LTMW-06A	Water	07/09/25 13:40	07/10/25 10:00
480-230943-8	LTMW-12	Water	07/09/25 16:30	07/10/25 10:00
480-230943-9	LTMW-13	Water	07/09/25 10:40	07/10/25 10:00
480-230943-10	LTMW-14	Water	07/09/25 12:55	07/10/25 10:00
480-230943-11	LTMW-15	Water	07/09/25 14:25	07/10/25 10:00
480-230943-12	MH-1	Water	07/09/25 14:45	07/10/25 10:00
480-230943-13	ORS	Water	07/09/25 14:50	07/10/25 10:00
480-230943-14	Trip Blank	Water	07/09/25 00:00	07/10/25 10:00
480-230943-15	MW-EPA-01R	Water	07/09/25 14:45	07/10/25 10:00
480-230943-16	MW-EPA-03R	Water	07/09/25 16:05	07/10/25 10:00

Job Narrative
480-230943-1

Receipt
The samples were received on 7/10/2025 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.9º C and 3.6º C.

Receipt Exceptions

One container for the following sample was received broken or leaking: Field Duplicate (480-230943-1).

GC/MS VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC/MS Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Groundwater & Environmental Services, Inc.

202 North Main Street
Kent Square North, Suite 200
Blacksburg, VA 24060

T. 800.662.5067

January 27, 2026

Devin Shay
Groundwater & Environmental Services, Syracuse
6780 Northern Blvd., Suite 100
East Syracuse, NY 13057

RE: Data Usability Summary Report for National Grid- Saratoga Springs: Data Packages
Eurofins Environment Testing Job Nos. 480-233447-1, 480-233448-1

Review has been completed for the data packages generated by Eurofins Environment Testing, Amherst, NY (Eurofins Buffalo) that pertain to monitoring well samples collected during the October 2025 sampling event at the National Grid Saratoga Springs site.

Fourteen (14) aqueous samples, a matrix spike/matrix spike duplicate pair, and a field duplicate and a trip blank were collected from the main site over two days. These samples were processed for volatile organic compounds benzene, toluene, ethylbenzene and xylenes (BTEX) and polycyclic aromatic hydrocarbons (PAHs). A trip blank was analyzed for volatiles with the samples.

Three (3) aqueous samples were collected from the skating rink. These samples were processed for volatile organic compounds benzene, toluene, ethylbenzene and xylenes (BTEX) and polycyclic aromatic hydrocarbons (PAHs).

Analytical methodologies are those of the USEPA SW846 with additional requirements of the NYSDEC ASP.

Complete NYSDEC Category B deliverables were included in the laboratory data package and all information required for validation of the data is present. This usability report is generated from review of the summary form information, and review of associated QC raw data. The reported summary forms have been reviewed for application of validation qualifiers, using guidance from the National Grid generic QAPP, USEPA Region 2 validation SOPs, the USEPA National Functional Guidelines for Data Review, and professional judgment, as affects the usability of the data. The following items were reviewed:

- Laboratory Narrative Discussion
- Custody Documentation
- Holding Times
- Surrogate and Internal Standard Recoveries
- Matrix Spike Recoveries/Duplicate (MS/MSD) Correlations
- Field Duplicate Correlations
- Laboratory Control Sample (LCS)
- Preparation/Calibration Blanks
- Calibration/Low Level Standard Responses
- Instrumental Tunes

- Instrument MDLs

All of the items were determined to be acceptable for the DUSR level review. In summary, sample results are usable.

Table A

Validation Qualifiers

Sample ID	Qualifier	Analyte	Reason for qualification
All Samples	UJ	Dibenzo(a,h)anthracene indeno[1,2,3-cd]pyrene	Low CCV

The laboratory case narratives and sample identification summary forms are attached to this text, and should be reviewed in conjunction with this report.

BTEX and TCL Volatiles by EPA 8260C/NYSDEC ASP

Sample holding times for groundwater samples and instrumental tune fragmentations are within acceptance ranges.

Blanks show no contamination.

Surrogate and internal standard recoveries are within required limits. LCS/LCSD recoveries were within criteria and duplicate correlations fell within acceptable variance.

Calibration standards show acceptable responses within analytical protocol and validation action limits.

An MS/MSD was analyzed using LTMW-04 as the matrix; recoveries were within criteria and duplicate correlations fell within acceptable variance.

The blind field duplicate correlations of LTMW-02 were not calculated, as there were no positive detections reported in the original or duplicate sample.

PAHs by EPA8270D/NYSDEC ASP

Holding times were met. Instrumental tune fragmentations are within acceptance ranges. Blanks show no contamination.

PAH analysis includes three surrogate standards. The method allows one surrogate recovery to be out of specification and not affect the data. There were no samples that had more than one surrogate recovery out of specification, and no qualifiers were required.

Calibration standards, both initial and continuing, show acceptable responses within analytical method protocols and validation guidelines, with the exception of low recoveries for the dibenzo(a,h)anthracene and indeno[1,2,3-cd]pyrene in the CCV. Data in all samples is considered estimated with a possible low bias.

Surrogate and internal standard recoveries meet compliance criteria. LCS/LCSD recoveries were within criteria and duplicate correlations fell within acceptable variance.

Matrix spike and matrix spike recoveries were within laboratory specified criteria.

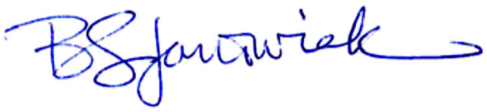
The blind field duplicate correlations of LTMW-02 were not calculated as there were no detected analytes in the original sample.

Data Package Completeness

Complete NYSDEC Category B deliverables were included in the laboratory data package, all information required for validation of the data is present.

Please do not hesitate to contact me if you have comments or questions regarding this report.

Sincerely,



Bonnie Janowiak, Ph.D.,
NRCC Environmental Chemist

Sample Summary

Client: Groundwater & Environmental Services, Inc.
Job ID: 480-233447-1
Project/Site: National Grid - Upstate New York OM&M

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
480-233447-1	LMTW-06	Water	10/09/25 09:40	10/10/25 09:30	New York
480-233447-2	LMTW-07	Water	10/09/25 12:10	10/10/25 09:30	New York
480-233447-3	LMTW-08	Water	10/09/25 10:35	10/10/25 09:30	New York

Job ID: 480-233447-1 Eurofins Buffalo

Job Narrative
480-233447-1

Receipt
The samples were received on 10/10/2025 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.1º C.

GC/MS VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270E SIM: The continuing calibration verification (CCV) analyzed in batch 460-1068569 was outside the method criteria for the following analyte(s): Dibenz(a,h)anthracene and Indeno[1,2,3-cd]pyrene. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Sample Summary

Client: Groundwater & Environmental Services, Inc. Job ID: 480-233448-1
Project/Site:

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
480-233448-1	LTMW-01	Water	10/09/25 12:45	10/10/25 09:30	New York
480-233448-2	LTMW-02	Water	10/09/25 12:20	10/10/25 09:30	New York
480-233448-3	LTMW-03	Water	10/09/25 11:35	10/10/25 09:30	New York
480-233448-4	LTMW-04	Water	10/09/25 10:25	10/10/25 09:30	New York
480-233448-5	LTMW-05	Water	10/09/25 09:30	10/10/25 09:30	New York
480-233448-6	LTMW-06A	Water	10/09/25 11:00	10/10/25 09:30	New York
480-233448-7	LTMW-12	Water	10/08/25 16:10	10/10/25 09:30	New York
480-233448-8	LTMW-13	Water	10/08/25 17:30	10/10/25 09:30	New York
480-233448-9	LTMW-14	Water	10/09/25 11:45	10/10/25 09:30	New York
480-233448-10	LTMW-15	Water	10/09/25 09:55	10/10/25 09:30	New York
480-233448-11	ORS	Water	10/09/25 12:40	10/10/25 09:30	New York
480-233448-12	MH-1	Water	10/09/25 08:45	10/10/25 09:30	New York
480-233448-13	Field Duplicate	Water	10/09/25 00:00	10/10/25 09:30	New York
480-233448-14	MW-EPA-01R	Water	10/09/25 13:10	10/10/25 09:30	New York
480-233448-15	MW-EPA-03R	Water	10/08/25 15:05	10/10/25 09:30	New York
480-233448-16	Trip Blank	Water	10/09/25 00:00	10/10/25 09:30	New York

Job ID: 480-233448-1 Eurofins Buffalo

Job Narrative
480-233448-1

Receipt
The samples were received on 10/10/2025 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 2.7º C, 3.0º C, 3.5º C and 4.1º C.

GC/MS VOA
Method 8260C: The following sample(s) was collected in a properly preserved vial; however, the pH was outside the required criteria when verified by the laboratory. The sample was analyzed within the 7-day holding time specified for unpreserved samples: ORS (480-233448-11).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270E SIM: The continuing calibration verification (CCV) analyzed in batch 460-1068569 was outside the method criteria for the following analyte(s): Dibenz(a,h)anthracene and Indeno[1,2,3-cd]pyrene. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Appendix E – Groundwater Analytical Laboratory Reports

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Tim Beaumont
Groundwater & Environmental Services Inc
6780 Northern Boulevard
Suite 100
East Syracuse, New York 13057

Generated 1/16/2025 10:44:09 AM

JOB DESCRIPTION

Saratoga Main Site GW Wells - Quarterly

JOB NUMBER

480-226735-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization

Generated
1/16/2025 10:44:09 AM

Authorized for release by
John Beninati, Project Manager I
John.Beninati@et.eurofinsus.com
(716)504-9874

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Detection Summary 6
Client Sample Results 8
Surrogate Summary 21
QC Sample Results 23
QC Association Summary 28
Lab Chronicle 30
Certification Summary 33
Method Summary 34
Sample Summary 35
Chain of Custody 36
Receipt Checklists 38

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 480-226735-1 Eurofins Buffalo

Job Narrative
480-226735-1

Receipt
The samples were received on 1/10/2025 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.7º C and 3.0º C.

GC/MS VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC/MS Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Groundwater & Environmental Services Inc | Job ID: 480-226735-1

Client Sample ID: LTMW-01 | Lab Sample ID: 480-226735-1

No Detections.

Client Sample ID: LTMW-02 | Lab Sample ID: 480-226735-2

No Detections.

Client Sample ID: LTMW-03 | Lab Sample ID: 480-226735-3

No Detections.

Client Sample ID: LTMW-04 | Lab Sample ID: 480-226735-4

No Detections.

Client Sample ID: LTMW-05 | Lab Sample ID: 480-226735-5

No Detections.

Client Sample ID: LTMW-06A | Lab Sample ID: 480-226735-6

No Detections.

Client Sample ID: LTMW-12 | Lab Sample ID: 480-226735-7

No Detections.

Client Sample ID: LTMW-13 | Lab Sample ID: 480-226735-8

No Detections.

Client Sample ID: LTMW-14 | Lab Sample ID: 480-226735-9

No Detections.

Client Sample ID: LTMW-15 | Lab Sample ID: 480-226735-10

No Detections.

Client Sample ID: MW-EPA-01R | Lab Sample ID: 480-226735-11

No Detections.

Client Sample ID: MW-EPA-03R | Lab Sample ID: 480-226735-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
o-Xylene	0.81	J	1.0	0.76	ug/L	1		8260C	Total/NA
Xylenes, Total	0.81	J	2.0	0.66	ug/L	1		8260C	Total/NA
Acenaphthene	3.5	J	5.0	0.41	ug/L	1		8270D	Total/NA
Acenaphthylene	4.4	J	5.0	0.38	ug/L	1		8270D	Total/NA
Fluorene	0.44	J	5.0	0.36	ug/L	1		8270D	Total/NA

Client Sample ID: ORS | Lab Sample ID: 480-226735-13

No Detections.

Client Sample ID: MH-1 | Lab Sample ID: 480-226735-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	9.9		1.0	0.41	ug/L	1		8260C	Total/NA
Ethylbenzene	3.7		1.0	0.74	ug/L	1		8260C	Total/NA
m-Xylene & p-Xylene	0.76	J	2.0	0.66	ug/L	1		8260C	Total/NA
Xylenes, Total	0.76	J	2.0	0.66	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MH-1 (Continued) Lab Sample ID: 480-226735-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total BTEX	14		2.0	1.0	ug/L	1		8260C	Total/NA
Acenaphthene	16		5.0	0.41	ug/L	1		8270D	Total/NA
Acenaphthylene	1.4	J	5.0	0.38	ug/L	1		8270D	Total/NA
Anthracene	0.55	J	5.0	0.28	ug/L	1		8270D	Total/NA
Fluoranthene	1.3	J	5.0	0.40	ug/L	1		8270D	Total/NA
Fluorene	3.6	J	5.0	0.36	ug/L	1		8270D	Total/NA
Naphthalene	16		5.0	0.76	ug/L	1		8270D	Total/NA
Phenanthrene	2.5	J	5.0	0.44	ug/L	1		8270D	Total/NA
Pyrene	1.6	J	5.0	0.34	ug/L	1		8270D	Total/NA

Client Sample ID: Field Duplicate Lab Sample ID: 480-226735-15

No Detections.

Client Sample ID: Trip Blank Lab Sample ID: 480-226735-16

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: LTMW-01
Lab Sample ID: 480-226735-1
Date Collected: 01/08/25 10:45
Matrix: Water
Date Received: 01/10/25 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			01/13/25 14:33	1
Toluene	ND		1.0	0.51	ug/L			01/13/25 14:33	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/13/25 14:33	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			01/13/25 14:33	1
o-Xylene	ND		1.0	0.76	ug/L			01/13/25 14:33	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/13/25 14:33	1
Total BTEX	ND		2.0	1.0	ug/L			01/13/25 14:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*01/13/25 14:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*01/13/25 14:33*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*01/13/25 14:33*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*01/13/25 14:33*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		01/10/25 13:38	01/13/25 20:34	1
Acenaphthylene	ND		5.0	0.38	ug/L		01/10/25 13:38	01/13/25 20:34	1
Anthracene	ND		5.0	0.28	ug/L		01/10/25 13:38	01/13/25 20:34	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		01/10/25 13:38	01/13/25 20:34	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		01/10/25 13:38	01/13/25 20:34	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		01/10/25 13:38	01/13/25 20:34	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		01/10/25 13:38	01/13/25 20:34	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		01/10/25 13:38	01/13/25 20:34	1
Chrysene	ND		5.0	0.33	ug/L		01/10/25 13:38	01/13/25 20:34	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		01/10/25 13:38	01/13/25 20:34	1
Fluoranthene	ND		5.0	0.40	ug/L		01/10/25 13:38	01/13/25 20:34	1
Fluorene	ND		5.0	0.36	ug/L		01/10/25 13:38	01/13/25 20:34	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		01/10/25 13:38	01/13/25 20:34	1
Naphthalene	ND		5.0	0.76	ug/L		01/10/25 13:38	01/13/25 20:34	1
Phenanthrene	ND		5.0	0.44	ug/L		01/10/25 13:38	01/13/25 20:34	1
Pyrene	ND		5.0	0.34	ug/L		01/10/25 13:38	01/13/25 20:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*77*		*53 - 126*	*01/10/25 13:38*	*01/13/25 20:34*	*1*
Nitrobenzene-d5 (Surr)	*71*		*29 - 129*	*01/10/25 13:38*	*01/13/25 20:34*	*1*
p-Terphenyl-d14 (Surr)	*75*		*33 - 132*	*01/10/25 13:38*	*01/13/25 20:34*	*1*

Client Sample ID: LTMW-02
Lab Sample ID: 480-226735-2
Date Collected: 01/08/25 10:50
Matrix: Water
Date Received: 01/10/25 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			01/13/25 14:56	1
Toluene	ND		1.0	0.51	ug/L			01/13/25 14:56	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/13/25 14:56	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			01/13/25 14:56	1
o-Xylene	ND		1.0	0.76	ug/L			01/13/25 14:56	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/13/25 14:56	1
Total BTEX	ND		2.0	1.0	ug/L			01/13/25 14:56	1

Client Sample ID: LTMW-02

Lab Sample ID: 480-226735-2

Date Collected: 01/08/25 10:50

Matrix: Water

Date Received: 01/10/25 10:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*01/13/25 14:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*01/13/25 14:56*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*01/13/25 14:56*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*01/13/25 14:56*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		01/10/25 13:38	01/13/25 21:00	1
Acenaphthylene	ND		5.0	0.38	ug/L		01/10/25 13:38	01/13/25 21:00	1
Anthracene	ND		5.0	0.28	ug/L		01/10/25 13:38	01/13/25 21:00	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		01/10/25 13:38	01/13/25 21:00	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		01/10/25 13:38	01/13/25 21:00	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		01/10/25 13:38	01/13/25 21:00	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		01/10/25 13:38	01/13/25 21:00	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		01/10/25 13:38	01/13/25 21:00	1
Chrysene	ND		5.0	0.33	ug/L		01/10/25 13:38	01/13/25 21:00	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		01/10/25 13:38	01/13/25 21:00	1
Fluoranthene	ND		5.0	0.40	ug/L		01/10/25 13:38	01/13/25 21:00	1
Fluorene	ND		5.0	0.36	ug/L		01/10/25 13:38	01/13/25 21:00	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		01/10/25 13:38	01/13/25 21:00	1
Naphthalene	ND		5.0	0.76	ug/L		01/10/25 13:38	01/13/25 21:00	1
Phenanthrene	ND		5.0	0.44	ug/L		01/10/25 13:38	01/13/25 21:00	1
Pyrene	ND		5.0	0.34	ug/L		01/10/25 13:38	01/13/25 21:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*66*		*53 - 126*	*01/10/25 13:38*	*01/13/25 21:00*	*1*
Nitrobenzene-d5 (Surr)	*66*		*29 - 129*	*01/10/25 13:38*	*01/13/25 21:00*	*1*
p-Terphenyl-d14 (Surr)	*66*		*33 - 132*	*01/10/25 13:38*	*01/13/25 21:00*	*1*

Client Sample ID: LTMW-03

Lab Sample ID: 480-226735-3

Date Collected: 01/08/25 11:45

Matrix: Water

Date Received: 01/10/25 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			01/13/25 15:20	1
Toluene	ND		1.0	0.51	ug/L			01/13/25 15:20	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/13/25 15:20	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			01/13/25 15:20	1
o-Xylene	ND		1.0	0.76	ug/L			01/13/25 15:20	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/13/25 15:20	1
Total BTEX	ND		2.0	1.0	ug/L			01/13/25 15:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*		*01/13/25 15:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*01/13/25 15:20*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*01/13/25 15:20*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*01/13/25 15:20*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		01/10/25 13:38	01/13/25 21:26	1

Client Sample ID: LTMW-03
Lab Sample ID: 480-226735-3
Date Collected: 01/08/25 11:45
Matrix: Water
Date Received: 01/10/25 10:00

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND		5.0	0.38	ug/L		01/10/25 13:38	01/13/25 21:26	1
Anthracene	ND		5.0	0.28	ug/L		01/10/25 13:38	01/13/25 21:26	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		01/10/25 13:38	01/13/25 21:26	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		01/10/25 13:38	01/13/25 21:26	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		01/10/25 13:38	01/13/25 21:26	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		01/10/25 13:38	01/13/25 21:26	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		01/10/25 13:38	01/13/25 21:26	1
Chrysene	ND		5.0	0.33	ug/L		01/10/25 13:38	01/13/25 21:26	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		01/10/25 13:38	01/13/25 21:26	1
Fluoranthene	ND		5.0	0.40	ug/L		01/10/25 13:38	01/13/25 21:26	1
Fluorene	ND		5.0	0.36	ug/L		01/10/25 13:38	01/13/25 21:26	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		01/10/25 13:38	01/13/25 21:26	1
Naphthalene	ND		5.0	0.76	ug/L		01/10/25 13:38	01/13/25 21:26	1
Phenanthrene	ND		5.0	0.44	ug/L		01/10/25 13:38	01/13/25 21:26	1
Pyrene	ND		5.0	0.34	ug/L		01/10/25 13:38	01/13/25 21:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*78*		*53 - 126*	*01/10/25 13:38*	*01/13/25 21:26*	*1*
Nitrobenzene-d5 (Surr)	*72*		*29 - 129*	*01/10/25 13:38*	*01/13/25 21:26*	*1*
p-Terphenyl-d14 (Surr)	*68*		*33 - 132*	*01/10/25 13:38*	*01/13/25 21:26*	*1*

Client Sample ID: LTMW-04
Lab Sample ID: 480-226735-4
Date Collected: 01/08/25 12:30
Matrix: Water
Date Received: 01/10/25 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			01/13/25 15:43	1
Toluene	ND		1.0	0.51	ug/L			01/13/25 15:43	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/13/25 15:43	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			01/13/25 15:43	1
o-Xylene	ND		1.0	0.76	ug/L			01/13/25 15:43	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/13/25 15:43	1
Total BTEX	ND		2.0	1.0	ug/L			01/13/25 15:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*01/13/25 15:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*01/13/25 15:43*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*01/13/25 15:43*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*01/13/25 15:43*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		01/10/25 13:38	01/13/25 18:22	1
Acenaphthylene	ND		5.0	0.38	ug/L		01/10/25 13:38	01/13/25 18:22	1
Anthracene	ND		5.0	0.28	ug/L		01/10/25 13:38	01/13/25 18:22	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		01/10/25 13:38	01/13/25 18:22	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		01/10/25 13:38	01/13/25 18:22	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		01/10/25 13:38	01/13/25 18:22	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		01/10/25 13:38	01/13/25 18:22	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		01/10/25 13:38	01/13/25 18:22	1
Chrysene	ND		5.0	0.33	ug/L		01/10/25 13:38	01/13/25 18:22	1

Client Sample ID: LTMW-04
Lab Sample ID: 480-226735-4
Date Collected: 01/08/25 12:30
Matrix: Water
Date Received: 01/10/25 10:00

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		01/10/25 13:38	01/13/25 18:22	1
Fluoranthene	ND		5.0	0.40	ug/L		01/10/25 13:38	01/13/25 18:22	1
Fluorene	ND		5.0	0.36	ug/L		01/10/25 13:38	01/13/25 18:22	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		01/10/25 13:38	01/13/25 18:22	1
Naphthalene	ND		5.0	0.76	ug/L		01/10/25 13:38	01/13/25 18:22	1
Phenanthrene	ND		5.0	0.44	ug/L		01/10/25 13:38	01/13/25 18:22	1
Pyrene	ND		5.0	0.34	ug/L		01/10/25 13:38	01/13/25 18:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*72*		*53 - 126*	*01/10/25 13:38*	*01/13/25 18:22*	*1*
Nitrobenzene-d5 (Surr)	*68*		*29 - 129*	*01/10/25 13:38*	*01/13/25 18:22*	*1*
p-Terphenyl-d14 (Surr)	*81*		*33 - 132*	*01/10/25 13:38*	*01/13/25 18:22*	*1*

Client Sample ID: LTMW-05
Lab Sample ID: 480-226735-5
Date Collected: 01/08/25 13:20
Matrix: Water
Date Received: 01/10/25 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			01/13/25 16:06	1
Toluene	ND		1.0	0.51	ug/L			01/13/25 16:06	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/13/25 16:06	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			01/13/25 16:06	1
o-Xylene	ND		1.0	0.76	ug/L			01/13/25 16:06	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/13/25 16:06	1
Total BTEX	ND		2.0	1.0	ug/L			01/13/25 16:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*01/13/25 16:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*01/13/25 16:06*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*01/13/25 16:06*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*01/13/25 16:06*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		01/10/25 13:38	01/13/25 21:52	1
Acenaphthylene	ND		5.0	0.38	ug/L		01/10/25 13:38	01/13/25 21:52	1
Anthracene	ND		5.0	0.28	ug/L		01/10/25 13:38	01/13/25 21:52	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		01/10/25 13:38	01/13/25 21:52	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		01/10/25 13:38	01/13/25 21:52	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		01/10/25 13:38	01/13/25 21:52	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		01/10/25 13:38	01/13/25 21:52	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		01/10/25 13:38	01/13/25 21:52	1
Chrysene	ND		5.0	0.33	ug/L		01/10/25 13:38	01/13/25 21:52	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		01/10/25 13:38	01/13/25 21:52	1
Fluoranthene	ND		5.0	0.40	ug/L		01/10/25 13:38	01/13/25 21:52	1
Fluorene	ND		5.0	0.36	ug/L		01/10/25 13:38	01/13/25 21:52	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		01/10/25 13:38	01/13/25 21:52	1
Naphthalene	ND		5.0	0.76	ug/L		01/10/25 13:38	01/13/25 21:52	1
Phenanthrene	ND		5.0	0.44	ug/L		01/10/25 13:38	01/13/25 21:52	1
Pyrene	ND		5.0	0.34	ug/L		01/10/25 13:38	01/13/25 21:52	1

Client Sample ID: LTMW-05
Lab Sample ID: 480-226735-5
Date Collected: 01/08/25 13:20
Matrix: Water
Date Received: 01/10/25 10:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	71		53 - 126	01/10/25 13:38	01/13/25 21:52	1
Nitrobenzene-d5 (Surr)	66		29 - 129	01/10/25 13:38	01/13/25 21:52	1
p-Terphenyl-d14 (Surr)	69		33 - 132	01/10/25 13:38	01/13/25 21:52	1

Client Sample ID: LTMW-06A
Lab Sample ID: 480-226735-6
Date Collected: 01/08/25 12:35
Matrix: Water
Date Received: 01/10/25 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			01/13/25 16:29	1
Toluene	ND		1.0	0.51	ug/L			01/13/25 16:29	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/13/25 16:29	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			01/13/25 16:29	1
o-Xylene	ND		1.0	0.76	ug/L			01/13/25 16:29	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/13/25 16:29	1
Total BTEX	ND		2.0	1.0	ug/L			01/13/25 16:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		80 - 120		01/13/25 16:29	1
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		01/13/25 16:29	1
4-Bromofluorobenzene (Surr)	98		73 - 120		01/13/25 16:29	1
Dibromofluoromethane (Surr)	98		75 - 123		01/13/25 16:29	1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		01/10/25 13:38	01/13/25 22:18	1
Acenaphthylene	ND		5.0	0.38	ug/L		01/10/25 13:38	01/13/25 22:18	1
Anthracene	ND		5.0	0.28	ug/L		01/10/25 13:38	01/13/25 22:18	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		01/10/25 13:38	01/13/25 22:18	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		01/10/25 13:38	01/13/25 22:18	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		01/10/25 13:38	01/13/25 22:18	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		01/10/25 13:38	01/13/25 22:18	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		01/10/25 13:38	01/13/25 22:18	1
Chrysene	ND		5.0	0.33	ug/L		01/10/25 13:38	01/13/25 22:18	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		01/10/25 13:38	01/13/25 22:18	1
Fluoranthene	ND		5.0	0.40	ug/L		01/10/25 13:38	01/13/25 22:18	1
Fluorene	ND		5.0	0.36	ug/L		01/10/25 13:38	01/13/25 22:18	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		01/10/25 13:38	01/13/25 22:18	1
Naphthalene	ND		5.0	0.76	ug/L		01/10/25 13:38	01/13/25 22:18	1
Phenanthrene	ND		5.0	0.44	ug/L		01/10/25 13:38	01/13/25 22:18	1
Pyrene	ND		5.0	0.34	ug/L		01/10/25 13:38	01/13/25 22:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	76		53 - 126	01/10/25 13:38	01/13/25 22:18	1
Nitrobenzene-d5 (Surr)	72		29 - 129	01/10/25 13:38	01/13/25 22:18	1
p-Terphenyl-d14 (Surr)	79		33 - 132	01/10/25 13:38	01/13/25 22:18	1

Client Sample ID: LTMW-12
Lab Sample ID: 480-226735-7
Date Collected: 01/08/25 10:45
Matrix: Water
Date Received: 01/10/25 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			01/13/25 16:53	1
Toluene	ND		1.0	0.51	ug/L			01/13/25 16:53	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/13/25 16:53	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			01/13/25 16:53	1
o-Xylene	ND		1.0	0.76	ug/L			01/13/25 16:53	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/13/25 16:53	1
Total BTEX	ND		2.0	1.0	ug/L			01/13/25 16:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*01/13/25 16:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*01/13/25 16:53*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*01/13/25 16:53*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*01/13/25 16:53*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		01/10/25 13:38	01/13/25 22:45	1
Acenaphthylene	ND		5.0	0.38	ug/L		01/10/25 13:38	01/13/25 22:45	1
Anthracene	ND		5.0	0.28	ug/L		01/10/25 13:38	01/13/25 22:45	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		01/10/25 13:38	01/13/25 22:45	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		01/10/25 13:38	01/13/25 22:45	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		01/10/25 13:38	01/13/25 22:45	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		01/10/25 13:38	01/13/25 22:45	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		01/10/25 13:38	01/13/25 22:45	1
Chrysene	ND		5.0	0.33	ug/L		01/10/25 13:38	01/13/25 22:45	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		01/10/25 13:38	01/13/25 22:45	1
Fluoranthene	ND		5.0	0.40	ug/L		01/10/25 13:38	01/13/25 22:45	1
Fluorene	ND		5.0	0.36	ug/L		01/10/25 13:38	01/13/25 22:45	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		01/10/25 13:38	01/13/25 22:45	1
Naphthalene	ND		5.0	0.76	ug/L		01/10/25 13:38	01/13/25 22:45	1
Phenanthrene	ND		5.0	0.44	ug/L		01/10/25 13:38	01/13/25 22:45	1
Pyrene	ND		5.0	0.34	ug/L		01/10/25 13:38	01/13/25 22:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*89*		*53 - 126*	*01/10/25 13:38*	*01/13/25 22:45*	*1*
Nitrobenzene-d5 (Surr)	*83*		*29 - 129*	*01/10/25 13:38*	*01/13/25 22:45*	*1*
p-Terphenyl-d14 (Surr)	*88*		*33 - 132*	*01/10/25 13:38*	*01/13/25 22:45*	*1*

Client Sample ID: LTMW-13
Lab Sample ID: 480-226735-8
Date Collected: 01/08/25 11:35
Matrix: Water
Date Received: 01/10/25 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			01/13/25 17:16	1
Toluene	ND		1.0	0.51	ug/L			01/13/25 17:16	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/13/25 17:16	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			01/13/25 17:16	1
o-Xylene	ND		1.0	0.76	ug/L			01/13/25 17:16	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/13/25 17:16	1
Total BTEX	ND		2.0	1.0	ug/L			01/13/25 17:16	1

Client Sample ID: LTMW-13
Lab Sample ID: 480-226735-8
Date Collected: 01/08/25 11:35
Matrix: Water
Date Received: 01/10/25 10:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*98*		*80 - 120*		*01/13/25 17:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*01/13/25 17:16*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*01/13/25 17:16*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*01/13/25 17:16*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		01/10/25 13:38	01/13/25 23:11	1
Acenaphthylene	ND		5.0	0.38	ug/L		01/10/25 13:38	01/13/25 23:11	1
Anthracene	ND		5.0	0.28	ug/L		01/10/25 13:38	01/13/25 23:11	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		01/10/25 13:38	01/13/25 23:11	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		01/10/25 13:38	01/13/25 23:11	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		01/10/25 13:38	01/13/25 23:11	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		01/10/25 13:38	01/13/25 23:11	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		01/10/25 13:38	01/13/25 23:11	1
Chrysene	ND		5.0	0.33	ug/L		01/10/25 13:38	01/13/25 23:11	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		01/10/25 13:38	01/13/25 23:11	1
Fluoranthene	ND		5.0	0.40	ug/L		01/10/25 13:38	01/13/25 23:11	1
Fluorene	ND		5.0	0.36	ug/L		01/10/25 13:38	01/13/25 23:11	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		01/10/25 13:38	01/13/25 23:11	1
Naphthalene	ND		5.0	0.76	ug/L		01/10/25 13:38	01/13/25 23:11	1
Phenanthrene	ND		5.0	0.44	ug/L		01/10/25 13:38	01/13/25 23:11	1
Pyrene	ND		5.0	0.34	ug/L		01/10/25 13:38	01/13/25 23:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	*94*		*53 - 126*	*01/10/25 13:38*	*01/13/25 23:11*	*1*
Nitrobenzene-d5 (Surr)	*88*		*29 - 129*	*01/10/25 13:38*	*01/13/25 23:11*	*1*
p-Terphenyl-d14 (Surr)	*83*		*33 - 132*	*01/10/25 13:38*	*01/13/25 23:11*	*1*

Client Sample ID: LTMW-14
Lab Sample ID: 480-226735-9
Date Collected: 01/08/25 11:35
Matrix: Water
Date Received: 01/10/25 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			01/13/25 17:39	1
Toluene	ND		1.0	0.51	ug/L			01/13/25 17:39	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/13/25 17:39	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			01/13/25 17:39	1
o-Xylene	ND		1.0	0.76	ug/L			01/13/25 17:39	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/13/25 17:39	1
Total BTEX	ND		2.0	1.0	ug/L			01/13/25 17:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*97*		*80 - 120*		*01/13/25 17:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*01/13/25 17:39*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*01/13/25 17:39*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*01/13/25 17:39*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		01/10/25 13:38	01/13/25 23:37	1

Client Sample ID: LTMW-14
Lab Sample ID: 480-226735-9
Date Collected: 01/08/25 11:35
Matrix: Water
Date Received: 01/10/25 10:00

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND		5.0	0.38	ug/L		01/10/25 13:38	01/13/25 23:37	1
Anthracene	ND		5.0	0.28	ug/L		01/10/25 13:38	01/13/25 23:37	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		01/10/25 13:38	01/13/25 23:37	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		01/10/25 13:38	01/13/25 23:37	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		01/10/25 13:38	01/13/25 23:37	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		01/10/25 13:38	01/13/25 23:37	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		01/10/25 13:38	01/13/25 23:37	1
Chrysene	ND		5.0	0.33	ug/L		01/10/25 13:38	01/13/25 23:37	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		01/10/25 13:38	01/13/25 23:37	1
Fluoranthene	ND		5.0	0.40	ug/L		01/10/25 13:38	01/13/25 23:37	1
Fluorene	ND		5.0	0.36	ug/L		01/10/25 13:38	01/13/25 23:37	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		01/10/25 13:38	01/13/25 23:37	1
Naphthalene	ND		5.0	0.76	ug/L		01/10/25 13:38	01/13/25 23:37	1
Phenanthrene	ND		5.0	0.44	ug/L		01/10/25 13:38	01/13/25 23:37	1
Pyrene	ND		5.0	0.34	ug/L		01/10/25 13:38	01/13/25 23:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*92*		*53 - 126*	*01/10/25 13:38*	*01/13/25 23:37*	*1*
Nitrobenzene-d5 (Surr)	*87*		*29 - 129*	*01/10/25 13:38*	*01/13/25 23:37*	*1*
p-Terphenyl-d14 (Surr)	*84*		*33 - 132*	*01/10/25 13:38*	*01/13/25 23:37*	*1*

Client Sample ID: LTMW-15
Lab Sample ID: 480-226735-10
Date Collected: 01/08/25 13:30
Matrix: Water
Date Received: 01/10/25 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			01/11/25 08:34	1
Toluene	ND		1.0	0.51	ug/L			01/11/25 08:34	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/11/25 08:34	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			01/11/25 08:34	1
o-Xylene	ND		1.0	0.76	ug/L			01/11/25 08:34	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/11/25 08:34	1
Total BTEX	ND		2.0	1.0	ug/L			01/11/25 08:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*88*		*80 - 120*		*01/11/25 08:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*		*01/11/25 08:34*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*01/11/25 08:34*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*01/11/25 08:34*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		01/10/25 13:38	01/14/25 00:03	1
Acenaphthylene	ND		5.0	0.38	ug/L		01/10/25 13:38	01/14/25 00:03	1
Anthracene	ND		5.0	0.28	ug/L		01/10/25 13:38	01/14/25 00:03	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		01/10/25 13:38	01/14/25 00:03	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		01/10/25 13:38	01/14/25 00:03	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		01/10/25 13:38	01/14/25 00:03	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		01/10/25 13:38	01/14/25 00:03	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		01/10/25 13:38	01/14/25 00:03	1
Chrysene	ND		5.0	0.33	ug/L		01/10/25 13:38	01/14/25 00:03	1

Client Sample ID: LTMW-15
Lab Sample ID: 480-226735-10
Date Collected: 01/08/25 13:30
Matrix: Water
Date Received: 01/10/25 10:00

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		01/10/25 13:38	01/14/25 00:03	1
Fluoranthene	ND		5.0	0.40	ug/L		01/10/25 13:38	01/14/25 00:03	1
Fluorene	ND		5.0	0.36	ug/L		01/10/25 13:38	01/14/25 00:03	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		01/10/25 13:38	01/14/25 00:03	1
Naphthalene	ND		5.0	0.76	ug/L		01/10/25 13:38	01/14/25 00:03	1
Phenanthrene	ND		5.0	0.44	ug/L		01/10/25 13:38	01/14/25 00:03	1
Pyrene	ND		5.0	0.34	ug/L		01/10/25 13:38	01/14/25 00:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*95*		*53 - 126*	*01/10/25 13:38*	*01/14/25 00:03*	*1*
Nitrobenzene-d5 (Surr)	*89*		*29 - 129*	*01/10/25 13:38*	*01/14/25 00:03*	*1*
p-Terphenyl-d14 (Surr)	*82*		*33 - 132*	*01/10/25 13:38*	*01/14/25 00:03*	*1*

Client Sample ID: MW-EPA-01R
Lab Sample ID: 480-226735-11
Date Collected: 01/08/25 13:25
Matrix: Water
Date Received: 01/10/25 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			01/11/25 08:59	1
Toluene	ND		1.0	0.51	ug/L			01/11/25 08:59	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/11/25 08:59	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			01/11/25 08:59	1
o-Xylene	ND		1.0	0.76	ug/L			01/11/25 08:59	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/11/25 08:59	1
Total BTEX	ND		2.0	1.0	ug/L			01/11/25 08:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*88*		*80 - 120*		*01/11/25 08:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*01/11/25 08:59*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*01/11/25 08:59*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*01/11/25 08:59*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		01/10/25 13:38	01/14/25 00:29	1
Acenaphthylene	ND		5.0	0.38	ug/L		01/10/25 13:38	01/14/25 00:29	1
Anthracene	ND		5.0	0.28	ug/L		01/10/25 13:38	01/14/25 00:29	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		01/10/25 13:38	01/14/25 00:29	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		01/10/25 13:38	01/14/25 00:29	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		01/10/25 13:38	01/14/25 00:29	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		01/10/25 13:38	01/14/25 00:29	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		01/10/25 13:38	01/14/25 00:29	1
Chrysene	ND		5.0	0.33	ug/L		01/10/25 13:38	01/14/25 00:29	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		01/10/25 13:38	01/14/25 00:29	1
Fluoranthene	ND		5.0	0.40	ug/L		01/10/25 13:38	01/14/25 00:29	1
Fluorene	ND		5.0	0.36	ug/L		01/10/25 13:38	01/14/25 00:29	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		01/10/25 13:38	01/14/25 00:29	1
Naphthalene	ND		5.0	0.76	ug/L		01/10/25 13:38	01/14/25 00:29	1
Phenanthrene	ND		5.0	0.44	ug/L		01/10/25 13:38	01/14/25 00:29	1
Pyrene	ND		5.0	0.34	ug/L		01/10/25 13:38	01/14/25 00:29	1

Client Sample ID: MW-EPA-01R
Lab Sample ID: 480-226735-11
Date Collected: 01/08/25 13:25
Matrix: Water
Date Received: 01/10/25 10:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	86		53 - 126	01/10/25 13:38	01/14/25 00:29	1
Nitrobenzene-d5 (Surr)	82		29 - 129	01/10/25 13:38	01/14/25 00:29	1
p-Terphenyl-d14 (Surr)	75		33 - 132	01/10/25 13:38	01/14/25 00:29	1

Client Sample ID: MW-EPA-03R
Lab Sample ID: 480-226735-12
Date Collected: 01/08/25 12:35
Matrix: Water
Date Received: 01/10/25 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			01/11/25 09:24	1
Toluene	ND		1.0	0.51	ug/L			01/11/25 09:24	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/11/25 09:24	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			01/11/25 09:24	1
o-Xylene	**0.81**	**J**	1.0	0.76	ug/L			01/11/25 09:24	1
Xylenes, Total	**0.81**	**J**	2.0	0.66	ug/L			01/11/25 09:24	1
Total BTEX	ND		2.0	1.0	ug/L			01/11/25 09:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	87		80 - 120		01/11/25 09:24	1
1,2-Dichloroethane-d4 (Surr)	94		77 - 120		01/11/25 09:24	1
4-Bromofluorobenzene (Surr)	94		73 - 120		01/11/25 09:24	1
Dibromofluoromethane (Surr)	104		75 - 123		01/11/25 09:24	1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**3.5**	**J**	5.0	0.41	ug/L		01/10/25 13:38	01/14/25 00:56	1
Acenaphthylene	**4.4**	**J**	5.0	0.38	ug/L		01/10/25 13:38	01/14/25 00:56	1
Anthracene	ND		5.0	0.28	ug/L		01/10/25 13:38	01/14/25 00:56	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		01/10/25 13:38	01/14/25 00:56	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		01/10/25 13:38	01/14/25 00:56	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		01/10/25 13:38	01/14/25 00:56	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		01/10/25 13:38	01/14/25 00:56	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		01/10/25 13:38	01/14/25 00:56	1
Chrysene	ND		5.0	0.33	ug/L		01/10/25 13:38	01/14/25 00:56	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		01/10/25 13:38	01/14/25 00:56	1
Fluoranthene	ND		5.0	0.40	ug/L		01/10/25 13:38	01/14/25 00:56	1
Fluorene	**0.44**	**J**	5.0	0.36	ug/L		01/10/25 13:38	01/14/25 00:56	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		01/10/25 13:38	01/14/25 00:56	1
Naphthalene	ND		5.0	0.76	ug/L		01/10/25 13:38	01/14/25 00:56	1
Phenanthrene	ND		5.0	0.44	ug/L		01/10/25 13:38	01/14/25 00:56	1
Pyrene	ND		5.0	0.34	ug/L		01/10/25 13:38	01/14/25 00:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	88		53 - 126	01/10/25 13:38	01/14/25 00:56	1
Nitrobenzene-d5 (Surr)	88		29 - 129	01/10/25 13:38	01/14/25 00:56	1
p-Terphenyl-d14 (Surr)	80		33 - 132	01/10/25 13:38	01/14/25 00:56	1

Client Sample ID: ORS
Lab Sample ID: 480-226735-13
Date Collected: 01/08/25 13:35
Matrix: Water
Date Received: 01/10/25 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			01/11/25 09:49	1
Toluene	ND		1.0	0.51	ug/L			01/11/25 09:49	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/11/25 09:49	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			01/11/25 09:49	1
o-Xylene	ND		1.0	0.76	ug/L			01/11/25 09:49	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/11/25 09:49	1
Total BTEX	ND		2.0	1.0	ug/L			01/11/25 09:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*88*		*80 - 120*		*01/11/25 09:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 120*		*01/11/25 09:49*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*01/11/25 09:49*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*01/11/25 09:49*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		01/10/25 13:38	01/14/25 03:34	1
Acenaphthylene	ND		5.0	0.38	ug/L		01/10/25 13:38	01/14/25 03:34	1
Anthracene	ND		5.0	0.28	ug/L		01/10/25 13:38	01/14/25 03:34	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		01/10/25 13:38	01/14/25 03:34	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		01/10/25 13:38	01/14/25 03:34	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		01/10/25 13:38	01/14/25 03:34	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		01/10/25 13:38	01/14/25 03:34	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		01/10/25 13:38	01/14/25 03:34	1
Chrysene	ND		5.0	0.33	ug/L		01/10/25 13:38	01/14/25 03:34	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		01/10/25 13:38	01/14/25 03:34	1
Fluoranthene	ND		5.0	0.40	ug/L		01/10/25 13:38	01/14/25 03:34	1
Fluorene	ND		5.0	0.36	ug/L		01/10/25 13:38	01/14/25 03:34	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		01/10/25 13:38	01/14/25 03:34	1
Naphthalene	ND		5.0	0.76	ug/L		01/10/25 13:38	01/14/25 03:34	1
Phenanthrene	ND		5.0	0.44	ug/L		01/10/25 13:38	01/14/25 03:34	1
Pyrene	ND		5.0	0.34	ug/L		01/10/25 13:38	01/14/25 03:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*93*		*53 - 126*	*01/10/25 13:38*	*01/14/25 03:34*	*1*
Nitrobenzene-d5 (Surr)	*90*		*29 - 129*	*01/10/25 13:38*	*01/14/25 03:34*	*1*
p-Terphenyl-d14 (Surr)	*85*		*33 - 132*	*01/10/25 13:38*	*01/14/25 03:34*	*1*

Client Sample ID: MH-1
Lab Sample ID: 480-226735-14
Date Collected: 01/08/25 13:50
Matrix: Water
Date Received: 01/10/25 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**9.9**		1.0	0.41	ug/L			01/11/25 10:13	1
Toluene	ND		1.0	0.51	ug/L			01/11/25 10:13	1
Ethylbenzene	**3.7**		1.0	0.74	ug/L			01/11/25 10:13	1
m-Xylene & p-Xylene	**0.76**	**J**	2.0	0.66	ug/L			01/11/25 10:13	1
o-Xylene	ND		1.0	0.76	ug/L			01/11/25 10:13	1
Xylenes, Total	**0.76**	**J**	2.0	0.66	ug/L			01/11/25 10:13	1
Total BTEX	**14**		2.0	1.0	ug/L			01/11/25 10:13	1

Client Sample ID: MH-1

Lab Sample ID: 480-226735-14

Date Collected: 01/08/25 13:50

Matrix: Water

Date Received: 01/10/25 10:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*87*		*80 - 120*		*01/11/25 10:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*77 - 120*		*01/11/25 10:13*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*01/11/25 10:13*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*01/11/25 10:13*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**16**		5.0	0.41	ug/L		01/10/25 13:39	01/14/25 04:00	1
Acenaphthylene	**1.4**	**J**	5.0	0.38	ug/L		01/10/25 13:39	01/14/25 04:00	1
Anthracene	**0.55**	**J**	5.0	0.28	ug/L		01/10/25 13:39	01/14/25 04:00	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		01/10/25 13:39	01/14/25 04:00	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		01/10/25 13:39	01/14/25 04:00	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		01/10/25 13:39	01/14/25 04:00	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		01/10/25 13:39	01/14/25 04:00	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		01/10/25 13:39	01/14/25 04:00	1
Chrysene	ND		5.0	0.33	ug/L		01/10/25 13:39	01/14/25 04:00	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		01/10/25 13:39	01/14/25 04:00	1
Fluoranthene	**1.3**	**J**	5.0	0.40	ug/L		01/10/25 13:39	01/14/25 04:00	1
Fluorene	**3.6**	**J**	5.0	0.36	ug/L		01/10/25 13:39	01/14/25 04:00	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		01/10/25 13:39	01/14/25 04:00	1
Naphthalene	**16**		5.0	0.76	ug/L		01/10/25 13:39	01/14/25 04:00	1
Phenanthrene	**2.5**	**J**	5.0	0.44	ug/L		01/10/25 13:39	01/14/25 04:00	1
Pyrene	**1.6**	**J**	5.0	0.34	ug/L		01/10/25 13:39	01/14/25 04:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	*88*		*53 - 126*	*01/10/25 13:39*	*01/14/25 04:00*	*1*
Nitrobenzene-d5 (Surr)	*84*		*29 - 129*	*01/10/25 13:39*	*01/14/25 04:00*	*1*
p-Terphenyl-d14 (Surr)	*71*		*33 - 132*	*01/10/25 13:39*	*01/14/25 04:00*	*1*

Client Sample ID: Field Duplicate

Lab Sample ID: 480-226735-15

Date Collected: 01/08/25 00:00

Matrix: Water

Date Received: 01/10/25 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			01/11/25 10:38	1
Toluene	ND		1.0	0.51	ug/L			01/11/25 10:38	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/11/25 10:38	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			01/11/25 10:38	1
o-Xylene	ND		1.0	0.76	ug/L			01/11/25 10:38	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/11/25 10:38	1
Total BTEX	ND		2.0	1.0	ug/L			01/11/25 10:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*86*		*80 - 120*		*01/11/25 10:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*01/11/25 10:38*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*01/11/25 10:38*	*1*
Dibromofluoromethane (Surr)	*108*		*75 - 123*		*01/11/25 10:38*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		01/10/25 13:39	01/14/25 04:26	1

Client Sample ID: Field Duplicate
Lab Sample ID: 480-226735-15
Date Collected: 01/08/25 00:00
Matrix: Water
Date Received: 01/10/25 10:00

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND		5.0	0.38	ug/L		01/10/25 13:39	01/14/25 04:26	1
Anthracene	ND		5.0	0.28	ug/L		01/10/25 13:39	01/14/25 04:26	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		01/10/25 13:39	01/14/25 04:26	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		01/10/25 13:39	01/14/25 04:26	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		01/10/25 13:39	01/14/25 04:26	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		01/10/25 13:39	01/14/25 04:26	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		01/10/25 13:39	01/14/25 04:26	1
Chrysene	ND		5.0	0.33	ug/L		01/10/25 13:39	01/14/25 04:26	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		01/10/25 13:39	01/14/25 04:26	1
Fluoranthene	ND		5.0	0.40	ug/L		01/10/25 13:39	01/14/25 04:26	1
Fluorene	ND		5.0	0.36	ug/L		01/10/25 13:39	01/14/25 04:26	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		01/10/25 13:39	01/14/25 04:26	1
Naphthalene	ND		5.0	0.76	ug/L		01/10/25 13:39	01/14/25 04:26	1
Phenanthrene	ND		5.0	0.44	ug/L		01/10/25 13:39	01/14/25 04:26	1
Pyrene	ND		5.0	0.34	ug/L		01/10/25 13:39	01/14/25 04:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*88*		*53 - 126*	*01/10/25 13:39*	*01/14/25 04:26*	*1*
Nitrobenzene-d5 (Surr)	*83*		*29 - 129*	*01/10/25 13:39*	*01/14/25 04:26*	*1*
p-Terphenyl-d14 (Surr)	*83*		*33 - 132*	*01/10/25 13:39*	*01/14/25 04:26*	*1*

Client Sample ID: Trip Blank
Lab Sample ID: 480-226735-16
Date Collected: 01/08/25 00:00
Matrix: Water
Date Received: 01/10/25 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			01/11/25 11:02	1
Toluene	ND		1.0	0.51	ug/L			01/11/25 11:02	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/11/25 11:02	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			01/11/25 11:02	1
o-Xylene	ND		1.0	0.76	ug/L			01/11/25 11:02	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/11/25 11:02	1
Total BTEX	ND		2.0	1.0	ug/L			01/11/25 11:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*89*		*80 - 120*		*01/11/25 11:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*		*01/11/25 11:02*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*01/11/25 11:02*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*01/11/25 11:02*	*1*

Surrogate Summary

Client: Groundwater & Environmental Services Inc | Job ID: 480-226735-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water | **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DCA	BFB	DBFM
Lab Sample ID	Client Sample ID	(80-120)	(77-120)	(73-120)	(75-123)
480-226735-1	LTMW-01	99	103	97	102
480-226735-2	LTMW-02	100	104	101	103
480-226735-3	LTMW-03	98	102	101	101
480-226735-4	LTMW-04	100	103	100	103
480-226735-4 MS	LTMW-04-MS	100	102	101	100
480-226735-4 MSD	LTMW-04-MSD	100	102	101	103
480-226735-5	LTMW-05	99	105	99	105
480-226735-6	LTMW-06A	98	102	98	98
480-226735-7	LTMW-12	100	106	102	104
480-226735-8	LTMW-13	98	101	97	103
480-226735-9	LTMW-14	97	100	97	103
480-226735-10	LTMW-15	88	96	95	104
480-226735-11	MW-EPA-01R	88	97	95	105
480-226735-12	MW-EPA-03R	87	94	94	104
480-226735-13	ORS	88	95	99	104
480-226735-14	MH-1	87	94	95	104
480-226735-15	Field Duplicate	86	97	95	108
480-226735-16	Trip Blank	89	96	98	103
LCS 480-736974/6	Lab Control Sample	88	94	97	107
LCS 480-737052/7	Lab Control Sample	101	100	100	103
LCSD 480-736974/32	Lab Control Sample Dup	88	94	96	107
MB 480-736974/8	Method Blank	88	95	99	105
MB 480-737052/9	Method Blank	98	100	98	100

Surrogate Legend

TOL = Toluene-d8 (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Water | **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		FBP	NBZ	TPHd14
Lab Sample ID	Client Sample ID	(53-126)	(29-129)	(33-132)
480-226735-1	LTMW-01	77	71	75
480-226735-2	LTMW-02	66	66	66
480-226735-3	LTMW-03	78	72	68
480-226735-4	LTMW-04	72	68	81
480-226735-4 MS	LTMW-04-MS	88	84	78
480-226735-4 MSD	LTMW-04-MSD	81	75	77
480-226735-5	LTMW-05	71	66	69
480-226735-6	LTMW-06A	76	72	79
480-226735-7	LTMW-12	89	83	88
480-226735-8	LTMW-13	94	88	83
480-226735-9	LTMW-14	92	87	84
480-226735-10	LTMW-15	95	89	82
480-226735-11	MW-EPA-01R	86	82	75
480-226735-12	MW-EPA-03R	88	88	80
480-226735-13	ORS	93	90	85

Surrogate Summary

Client: Groundwater & Environmental Services Inc | Job ID: 480-226735-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Matrix: Water | **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		FBP	NBZ	TPHd14
Lab Sample ID	Client Sample ID	(53-126)	(29-129)	(33-132)
480-226735-14	MH-1	88	84	71
480-226735-15	Field Duplicate	88	83	83
LCS 480-736986/2-A	Lab Control Sample	82	78	90
MB 480-736986/1-A	Method Blank	75	72	91

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)

NBZ = Nitrobenzene-d5 (Surr)

TPHd14 = p-Terphenyl-d14 (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-736974/8
Matrix: Water
Analysis Batch: 736974

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			01/11/25 01:39	1
Toluene	ND		1.0	0.51	ug/L			01/11/25 01:39	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/11/25 01:39	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			01/11/25 01:39	1
o-Xylene	ND		1.0	0.76	ug/L			01/11/25 01:39	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/11/25 01:39	1
Total BTEX	ND		2.0	1.0	ug/L			01/11/25 01:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*88*		*80 - 120*		*01/11/25 01:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 120*		*01/11/25 01:39*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*01/11/25 01:39*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*01/11/25 01:39*	*1*

Lab Sample ID: LCS 480-736974/6
Matrix: Water
Analysis Batch: 736974

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	25.0	26.1		ug/L		104	71 - 124
Toluene	25.0	22.6		ug/L		91	80 - 122
Ethylbenzene	25.0	24.0		ug/L		96	77 - 123
m-Xylene & p-Xylene	25.0	24.1		ug/L		96	76 - 122
o-Xylene	25.0	24.7		ug/L		99	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*88*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*94*		*77 - 120*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*
Dibromofluoromethane (Surr)	*107*		*75 - 123*

Lab Sample ID: LCSD 480-736974/32
Matrix: Water
Analysis Batch: 736974

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	25.0	26.2		ug/L		105	71 - 124	0	13
Toluene	25.0	21.9		ug/L		88	80 - 122	3	15
Ethylbenzene	25.0	23.3		ug/L		93	77 - 123	3	15
m-Xylene & p-Xylene	25.0	23.6		ug/L		94	76 - 122	2	16
o-Xylene	25.0	23.9		ug/L		96	76 - 122	3	16

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*88*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*94*		*77 - 120*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*
Dibromofluoromethane (Surr)	*107*		*75 - 123*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-737052/9
Matrix: Water
Analysis Batch: 737052

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			01/13/25 12:49	1
Toluene	ND		1.0	0.51	ug/L			01/13/25 12:49	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/13/25 12:49	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			01/13/25 12:49	1
o-Xylene	ND		1.0	0.76	ug/L			01/13/25 12:49	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/13/25 12:49	1
Total BTEX	ND		2.0	1.0	ug/L			01/13/25 12:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*		*01/13/25 12:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*01/13/25 12:49*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*01/13/25 12:49*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*01/13/25 12:49*	*1*

Lab Sample ID: LCS 480-737052/7
Matrix: Water
Analysis Batch: 737052

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	25.0	25.3		ug/L		101	71 - 124
Toluene	25.0	24.9		ug/L		100	80 - 122
Ethylbenzene	25.0	26.4		ug/L		105	77 - 123
m-Xylene & p-Xylene	25.0	24.9		ug/L		100	76 - 122
o-Xylene	25.0	24.8		ug/L		99	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*101*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*
Dibromofluoromethane (Surr)	*103*		*75 - 123*

Lab Sample ID: 480-226735-4 MS
Matrix: Water
Analysis Batch: 737052

Client Sample ID: LTMW-04-MS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	ND		25.0	26.0		ug/L		104	71 - 124
Toluene	ND		25.0	26.5		ug/L		106	80 - 122
Ethylbenzene	ND		25.0	28.4		ug/L		114	77 - 123
m-Xylene & p-Xylene	ND		25.0	26.9		ug/L		107	76 - 122
o-Xylene	ND		25.0	26.9		ug/L		108	76 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*100*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*
Dibromofluoromethane (Surr)	*100*		*75 - 123*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-226735-4 MSD **Client Sample ID: LTMW-04-MSD**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 737052

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		25.0	26.8		ug/L		107	71 - 124	3	13
Toluene	ND		25.0	26.3		ug/L		105	80 - 122	1	15
Ethylbenzene	ND		25.0	28.1		ug/L		112	77 - 123	1	15
m-Xylene & p-Xylene	ND		25.0	26.7		ug/L		107	76 - 122	1	16
o-Xylene	ND		25.0	26.2		ug/L		105	76 - 122	3	16

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*100*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*
Dibromofluoromethane (Surr)	*103*		*75 - 123*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-736986/1-A **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 737067 **Prep Batch: 736986**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		01/10/25 13:38	01/13/25 16:37	1
Acenaphthylene	ND		5.0	0.38	ug/L		01/10/25 13:38	01/13/25 16:37	1
Anthracene	ND		5.0	0.28	ug/L		01/10/25 13:38	01/13/25 16:37	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		01/10/25 13:38	01/13/25 16:37	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		01/10/25 13:38	01/13/25 16:37	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		01/10/25 13:38	01/13/25 16:37	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		01/10/25 13:38	01/13/25 16:37	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		01/10/25 13:38	01/13/25 16:37	1
Chrysene	ND		5.0	0.33	ug/L		01/10/25 13:38	01/13/25 16:37	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		01/10/25 13:38	01/13/25 16:37	1
Fluoranthene	ND		5.0	0.40	ug/L		01/10/25 13:38	01/13/25 16:37	1
Fluorene	ND		5.0	0.36	ug/L		01/10/25 13:38	01/13/25 16:37	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		01/10/25 13:38	01/13/25 16:37	1
Naphthalene	ND		5.0	0.76	ug/L		01/10/25 13:38	01/13/25 16:37	1
Phenanthrene	ND		5.0	0.44	ug/L		01/10/25 13:38	01/13/25 16:37	1
Pyrene	ND		5.0	0.34	ug/L		01/10/25 13:38	01/13/25 16:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*75*		*53 - 126*	*01/10/25 13:38*	*01/13/25 16:37*	*1*
Nitrobenzene-d5 (Surr)	*72*		*29 - 129*	*01/10/25 13:38*	*01/13/25 16:37*	*1*
p-Terphenyl-d14 (Surr)	*91*		*33 - 132*	*01/10/25 13:38*	*01/13/25 16:37*	*1*

Lab Sample ID: LCS 480-736986/2-A **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 737067 **Prep Batch: 736986**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	32.0	29.1		ug/L		91	60 - 120
Acenaphthylene	32.0	28.8		ug/L		90	63 - 120
Anthracene	32.0	31.3		ug/L		98	67 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-736986/2-A **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 737067 **Prep Batch: 736986**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzo[a]anthracene	32.0	31.1		ug/L		97	70 - 121
Benzo[a]pyrene	32.0	30.1		ug/L		94	60 - 123
Benzo[b]fluoranthene	32.0	32.7		ug/L		102	66 - 126
Benzo[g,h,i]perylene	32.0	29.8		ug/L		93	66 - 150
Benzo[k]fluoranthene	32.0	32.7		ug/L		102	65 - 124
Chrysene	32.0	30.6		ug/L		96	69 - 120
Dibenz(a,h)anthracene	32.0	30.4		ug/L		95	65 - 135
Fluoranthene	32.0	33.3		ug/L		104	69 - 126
Fluorene	32.0	30.4		ug/L		95	66 - 120
Indeno[1,2,3-cd]pyrene	32.0	30.0		ug/L		94	69 - 146
Naphthalene	32.0	23.9		ug/L		75	57 - 120
Phenanthrene	32.0	31.1		ug/L		97	68 - 120
Pyrene	32.0	30.6		ug/L		96	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*82*		*53 - 126*
Nitrobenzene-d5 (Surr)	*78*		*29 - 129*
p-Terphenyl-d14 (Surr)	*90*		*33 - 132*

Lab Sample ID: 480-226735-4 MS **Client Sample ID: LTMW-04-MS**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 737067 **Prep Batch: 736986**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	ND		32.0	31.1		ug/L		97	48 - 120
Acenaphthylene	ND		32.0	30.8		ug/L		96	63 - 120
Anthracene	ND		32.0	32.5		ug/L		102	65 - 122
Benzo[a]anthracene	ND		32.0	30.3		ug/L		95	43 - 124
Benzo[a]pyrene	ND		32.0	27.5		ug/L		86	23 - 125
Benzo[b]fluoranthene	ND		32.0	30.2		ug/L		94	27 - 127
Benzo[g,h,i]perylene	ND		32.0	27.1		ug/L		85	16 - 147
Benzo[k]fluoranthene	ND		32.0	29.7		ug/L		93	20 - 124
Chrysene	ND		32.0	29.3		ug/L		92	44 - 122
Dibenz(a,h)anthracene	ND		32.0	27.7		ug/L		87	16 - 139
Fluoranthene	ND		32.0	34.0		ug/L		106	63 - 129
Fluorene	ND		32.0	32.4		ug/L		101	62 - 120
Indeno[1,2,3-cd]pyrene	ND		32.0	27.5		ug/L		86	16 - 140
Naphthalene	ND		32.0	26.1		ug/L		82	45 - 120
Phenanthrene	ND		32.0	31.8		ug/L		99	65 - 122
Pyrene	ND		32.0	32.0		ug/L		100	58 - 128

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*88*		*53 - 126*
Nitrobenzene-d5 (Surr)	*84*		*29 - 129*
p-Terphenyl-d14 (Surr)	*78*		*33 - 132*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-226735-4 MSD **Client Sample ID: LTMW-04-MSD**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 737067 **Prep Batch: 736986**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	ND		32.0	28.4		ug/L		89	48 - 120	9	24
Acenaphthylene	ND		32.0	29.1		ug/L		91	63 - 120	6	18
Anthracene	ND		32.0	31.3		ug/L		98	65 - 122	4	15
Benzo[a]anthracene	ND		32.0	30.1		ug/L		94	43 - 124	1	15
Benzo[a]pyrene	ND		32.0	28.1		ug/L		88	23 - 125	2	15
Benzo[b]fluoranthene	ND		32.0	30.2		ug/L		94	27 - 127	0	15
Benzo[g,h,i]perylene	ND		32.0	27.5		ug/L		86	16 - 147	1	15
Benzo[k]fluoranthene	ND		32.0	29.7		ug/L		93	20 - 124	0	22
Chrysene	ND		32.0	29.0		ug/L		91	44 - 122	1	15
Dibenz(a,h)anthracene	ND		32.0	28.6		ug/L		89	16 - 139	3	15
Fluoranthene	ND		32.0	32.7		ug/L		102	63 - 129	4	15
Fluorene	ND		32.0	30.0		ug/L		94	62 - 120	8	15
Indeno[1,2,3-cd]pyrene	ND		32.0	27.8		ug/L		87	16 - 140	1	15
Naphthalene	ND		32.0	24.0		ug/L		75	45 - 120	8	29
Phenanthrene	ND		32.0	30.4		ug/L		95	65 - 122	4	15
Pyrene	ND		32.0	30.9		ug/L		97	58 - 128	3	19

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*81*		*53 - 126*
Nitrobenzene-d5 (Surr)	*75*		*29 - 129*
p-Terphenyl-d14 (Surr)	*77*		*33 - 132*

GC/MS VOA

Analysis Batch: 736974

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-226735-10	LTMW-15	Total/NA	Water	8260C	
480-226735-11	MW-EPA-01R	Total/NA	Water	8260C	
480-226735-12	MW-EPA-03R	Total/NA	Water	8260C	
480-226735-13	ORS	Total/NA	Water	8260C	
480-226735-14	MH-1	Total/NA	Water	8260C	
480-226735-15	Field Duplicate	Total/NA	Water	8260C	
480-226735-16	Trip Blank	Total/NA	Water	8260C	
MB 480-736974/8	Method Blank	Total/NA	Water	8260C	
LCS 480-736974/6	Lab Control Sample	Total/NA	Water	8260C	
LCSD 480-736974/32	Lab Control Sample Dup	Total/NA	Water	8260C	

Analysis Batch: 737052

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-226735-1	LTMW-01	Total/NA	Water	8260C	
480-226735-2	LTMW-02	Total/NA	Water	8260C	
480-226735-3	LTMW-03	Total/NA	Water	8260C	
480-226735-4	LTMW-04	Total/NA	Water	8260C	
480-226735-5	LTMW-05	Total/NA	Water	8260C	
480-226735-6	LTMW-06A	Total/NA	Water	8260C	
480-226735-7	LTMW-12	Total/NA	Water	8260C	
480-226735-8	LTMW-13	Total/NA	Water	8260C	
480-226735-9	LTMW-14	Total/NA	Water	8260C	
MB 480-737052/9	Method Blank	Total/NA	Water	8260C	
LCS 480-737052/7	Lab Control Sample	Total/NA	Water	8260C	
480-226735-4 MS	LTMW-04-MS	Total/NA	Water	8260C	
480-226735-4 MSD	LTMW-04-MSD	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 736986

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-226735-1	LTMW-01	Total/NA	Water	3510C	
480-226735-2	LTMW-02	Total/NA	Water	3510C	
480-226735-3	LTMW-03	Total/NA	Water	3510C	
480-226735-4	LTMW-04	Total/NA	Water	3510C	
480-226735-5	LTMW-05	Total/NA	Water	3510C	
480-226735-6	LTMW-06A	Total/NA	Water	3510C	
480-226735-7	LTMW-12	Total/NA	Water	3510C	
480-226735-8	LTMW-13	Total/NA	Water	3510C	
480-226735-9	LTMW-14	Total/NA	Water	3510C	
480-226735-10	LTMW-15	Total/NA	Water	3510C	
480-226735-11	MW-EPA-01R	Total/NA	Water	3510C	
480-226735-12	MW-EPA-03R	Total/NA	Water	3510C	
480-226735-13	ORS	Total/NA	Water	3510C	
480-226735-14	MH-1	Total/NA	Water	3510C	
480-226735-15	Field Duplicate	Total/NA	Water	3510C	
MB 480-736986/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-736986/2-A	Lab Control Sample	Total/NA	Water	3510C	
480-226735-4 MS	LTMW-04-MS	Total/NA	Water	3510C	
480-226735-4 MSD	LTMW-04-MSD	Total/NA	Water	3510C	

GC/MS Semi VOA

Analysis Batch: 737067

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-226735-1	LTMW-01	Total/NA	Water	8270D	736986
480-226735-2	LTMW-02	Total/NA	Water	8270D	736986
480-226735-3	LTMW-03	Total/NA	Water	8270D	736986
480-226735-4	LTMW-04	Total/NA	Water	8270D	736986
480-226735-5	LTMW-05	Total/NA	Water	8270D	736986
480-226735-6	LTMW-06A	Total/NA	Water	8270D	736986
480-226735-7	LTMW-12	Total/NA	Water	8270D	736986
480-226735-8	LTMW-13	Total/NA	Water	8270D	736986
480-226735-9	LTMW-14	Total/NA	Water	8270D	736986
480-226735-10	LTMW-15	Total/NA	Water	8270D	736986
480-226735-11	MW-EPA-01R	Total/NA	Water	8270D	736986
480-226735-12	MW-EPA-03R	Total/NA	Water	8270D	736986
MB 480-736986/1-A	Method Blank	Total/NA	Water	8270D	736986
LCS 480-736986/2-A	Lab Control Sample	Total/NA	Water	8270D	736986
480-226735-4 MS	LTMW-04-MS	Total/NA	Water	8270D	736986
480-226735-4 MSD	LTMW-04-MSD	Total/NA	Water	8270D	736986

Analysis Batch: 737070

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-226735-13	ORS	Total/NA	Water	8270D	736986
480-226735-14	MH-1	Total/NA	Water	8270D	736986
480-226735-15	Field Duplicate	Total/NA	Water	8270D	736986

Lab Chronicle

Client Sample ID: LTMW-01
Lab Sample ID: 480-226735-1
Date Collected: 01/08/25 10:45
Matrix: Water
Date Received: 01/10/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	737052	ZN	EET BUF	01/13/25 14:33
Total/NA	Prep	3510C			736986	LSC	EET BUF	01/10/25 13:38
Total/NA	Analysis	8270D		1	737067	JMM	EET BUF	01/13/25 20:34

Client Sample ID: LTMW-02
Lab Sample ID: 480-226735-2
Date Collected: 01/08/25 10:50
Matrix: Water
Date Received: 01/10/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	737052	ZN	EET BUF	01/13/25 14:56
Total/NA	Prep	3510C			736986	LSC	EET BUF	01/10/25 13:38
Total/NA	Analysis	8270D		1	737067	JMM	EET BUF	01/13/25 21:00

Client Sample ID: LTMW-03
Lab Sample ID: 480-226735-3
Date Collected: 01/08/25 11:45
Matrix: Water
Date Received: 01/10/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	737052	ZN	EET BUF	01/13/25 15:20
Total/NA	Prep	3510C			736986	LSC	EET BUF	01/10/25 13:38
Total/NA	Analysis	8270D		1	737067	JMM	EET BUF	01/13/25 21:26

Client Sample ID: LTMW-04
Lab Sample ID: 480-226735-4
Date Collected: 01/08/25 12:30
Matrix: Water
Date Received: 01/10/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	737052	ZN	EET BUF	01/13/25 15:43
Total/NA	Prep	3510C			736986	LSC	EET BUF	01/10/25 13:38
Total/NA	Analysis	8270D		1	737067	JMM	EET BUF	01/13/25 18:22

Client Sample ID: LTMW-05
Lab Sample ID: 480-226735-5
Date Collected: 01/08/25 13:20
Matrix: Water
Date Received: 01/10/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	737052	ZN	EET BUF	01/13/25 16:06
Total/NA	Prep	3510C			736986	LSC	EET BUF	01/10/25 13:38
Total/NA	Analysis	8270D		1	737067	JMM	EET BUF	01/13/25 21:52

Client Sample ID: LTMW-06A
Lab Sample ID: 480-226735-6
Date Collected: 01/08/25 12:35
Matrix: Water
Date Received: 01/10/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	737052	ZN	EET BUF	01/13/25 16:29

Lab Chronicle

Client Sample ID: LTMW-06A
Lab Sample ID: 480-226735-6
Date Collected: 01/08/25 12:35
Matrix: Water
Date Received: 01/10/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			736986	LSC	EET BUF	01/10/25 13:38
Total/NA	Analysis	8270D		1	737067	JMM	EET BUF	01/13/25 22:18

Client Sample ID: LTMW-12
Lab Sample ID: 480-226735-7
Date Collected: 01/08/25 10:45
Matrix: Water
Date Received: 01/10/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	737052	ZN	EET BUF	01/13/25 16:53
Total/NA	Prep	3510C			736986	LSC	EET BUF	01/10/25 13:38
Total/NA	Analysis	8270D		1	737067	JMM	EET BUF	01/13/25 22:45

Client Sample ID: LTMW-13
Lab Sample ID: 480-226735-8
Date Collected: 01/08/25 11:35
Matrix: Water
Date Received: 01/10/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	737052	ZN	EET BUF	01/13/25 17:16
Total/NA	Prep	3510C			736986	LSC	EET BUF	01/10/25 13:38
Total/NA	Analysis	8270D		1	737067	JMM	EET BUF	01/13/25 23:11

Client Sample ID: LTMW-14
Lab Sample ID: 480-226735-9
Date Collected: 01/08/25 11:35
Matrix: Water
Date Received: 01/10/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	737052	ZN	EET BUF	01/13/25 17:39
Total/NA	Prep	3510C			736986	LSC	EET BUF	01/10/25 13:38
Total/NA	Analysis	8270D		1	737067	JMM	EET BUF	01/13/25 23:37

Client Sample ID: LTMW-15
Lab Sample ID: 480-226735-10
Date Collected: 01/08/25 13:30
Matrix: Water
Date Received: 01/10/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	736974	ERS	EET BUF	01/11/25 08:34
Total/NA	Prep	3510C			736986	LSC	EET BUF	01/10/25 13:38
Total/NA	Analysis	8270D		1	737067	JMM	EET BUF	01/14/25 00:03

Client Sample ID: MW-EPA-01R
Lab Sample ID: 480-226735-11
Date Collected: 01/08/25 13:25
Matrix: Water
Date Received: 01/10/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	736974	ERS	EET BUF	01/11/25 08:59
Total/NA	Prep	3510C			736986	LSC	EET BUF	01/10/25 13:38
Total/NA	Analysis	8270D		1	737067	JMM	EET BUF	01/14/25 00:29

Lab Chronicle

Client Sample ID: MW-EPA-03R
Lab Sample ID: 480-226735-12
Date Collected: 01/08/25 12:35
Matrix: Water
Date Received: 01/10/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	736974	ERS	EET BUF	01/11/25 09:24
Total/NA	Prep	3510C			736986	LSC	EET BUF	01/10/25 13:38
Total/NA	Analysis	8270D		1	737067	JMM	EET BUF	01/14/25 00:56

Client Sample ID: ORS
Lab Sample ID: 480-226735-13
Date Collected: 01/08/25 13:35
Matrix: Water
Date Received: 01/10/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	736974	ERS	EET BUF	01/11/25 09:49
Total/NA	Prep	3510C			736986	LSC	EET BUF	01/10/25 13:38
Total/NA	Analysis	8270D		1	737070	JMM	EET BUF	01/14/25 03:34

Client Sample ID: MH-1
Lab Sample ID: 480-226735-14
Date Collected: 01/08/25 13:50
Matrix: Water
Date Received: 01/10/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	736974	ERS	EET BUF	01/11/25 10:13
Total/NA	Prep	3510C			736986	LSC	EET BUF	01/10/25 13:39
Total/NA	Analysis	8270D		1	737070	JMM	EET BUF	01/14/25 04:00

Client Sample ID: Field Duplicate
Lab Sample ID: 480-226735-15
Date Collected: 01/08/25 00:00
Matrix: Water
Date Received: 01/10/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	736974	ERS	EET BUF	01/11/25 10:38
Total/NA	Prep	3510C			736986	LSC	EET BUF	01/10/25 13:39
Total/NA	Analysis	8270D		1	737070	JMM	EET BUF	01/14/25 04:26

Client Sample ID: Trip Blank
Lab Sample ID: 480-226735-16
Date Collected: 01/08/25 00:00
Matrix: Water
Date Received: 01/10/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	736974	ERS	EET BUF	01/11/25 11:02

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: Groundwater & Environmental Services Inc

Job ID: 480-226735-1

Laboratory: Eurofins Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260C		Water	Total BTEX

Method Summary

Client: Groundwater & Environmental Services Inc

Job ID: 480-226735-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET BUF
5030C	Purge and Trap	SW846	EET BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Groundwater & Environmental Services Inc
Project/Site:

Job ID: 480-226735-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-226735-1	LTMW-01	Water	01/08/25 10:45	01/10/25 10:00
480-226735-2	LTMW-02	Water	01/08/25 10:50	01/10/25 10:00
480-226735-3	LTMW-03	Water	01/08/25 11:45	01/10/25 10:00
480-226735-4	LTMW-04	Water	01/08/25 12:30	01/10/25 10:00
480-226735-5	LTMW-05	Water	01/08/25 13:20	01/10/25 10:00
480-226735-6	LTMW-06A	Water	01/08/25 12:35	01/10/25 10:00
480-226735-7	LTMW-12	Water	01/08/25 10:45	01/10/25 10:00
480-226735-8	LTMW-13	Water	01/08/25 11:35	01/10/25 10:00
480-226735-9	LTMW-14	Water	01/08/25 11:35	01/10/25 10:00
480-226735-10	LTMW-15	Water	01/08/25 13:30	01/10/25 10:00
480-226735-11	MW-EPA-01R	Water	01/08/25 13:25	01/10/25 10:00
480-226735-12	MW-EPA-03R	Water	01/08/25 12:35	01/10/25 10:00
480-226735-13	ORS	Water	01/08/25 13:35	01/10/25 10:00
480-226735-14	MH-1	Water	01/08/25 13:50	01/10/25 10:00
480-226735-15	Field Duplicate	Water	01/08/25 00:00	01/10/25 10:00
480-226735-16	Trip Blank	Water	01/08/25 00:00	01/10/25 10:00

10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Phone (716) 691-7991

Chain of Custody Record

Syracuse #225

eurofins | Environment Testing

Client Information	Sampler: G Ehrst	Lab PM: Beninati, John	Carrier Tracking No(s):	COC No: 480-192880-40374.1
Client Contact: Tim Beaumont	Phone: 516 815 5151	E-Mail: John.Beninati@et.eurofinsus.com	State of Origin:	Page: Page 1 of 2
Company: Groundwater & Environmental Services Inc	PWSID:			Job #:
Address: 6780 Northern Boulevard Suite 100	Due Date Requested:			
City: East Syracuse	TAT Requested (days): Standard			
State, Zip: NY, 13057	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 0603500-128660-221-1106			
Email: tbeaumont@gesonline.com	WO #:			
Project Name: Saratoga Quarterly Main Site GW Event Desc: Saratoga Main Site	Project #: 48027231			
Site: Saratoga Quarterly Main Site GWS	SSOW#:			

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270D - PAH Semivolatiles	8260C - BTEX - 8260	Total Number of containers
			Preservation Code:				N	A	
LTMW-01	1/8/25	10:45	G	Water			2	3	5
LTMW-02		10:50	G	Water			2	3	5
LTMW-03		11:45	G	Water			2	3	5
LTMW-04		12:30	G	Water			2	3	5
LTMW-04-MS		12:30	G	Water			2	3	5
LTMW-04-MSD		12:30	G	Water			2	3	5
LTMW-05		13:20	G	Water			2	3	5
LTMW-06A		12:35	G	Water			2	3	5
LTMW-12		10:45	G	Water			2	3	5
LTMW-13		11:35	G	Water			2	3	5
LTMW-14		11:35	G	Water			2	3	5

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)

Other:

Special Instructions/Note:

480-226735 Chain of Custody

Possible Hazard Identification

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) CAT B DELIVERY

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time: 1/8/25 1720	Company: GES	Received by:	Date/Time: 1/8/25 1720	Company: ES SV
Relinquished by:	Date/Time: 1/8/25 1000	Company: ES SV	Received by: Courtable	Date/Time: 1/10/25 1000	Company: JAB
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3.0, 2.7 IR #5C

Ver: 01/16/2019

10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Phone (716) 691-7991

Chain of Custody Record

Syracuse #225

eurofins | Environment Testing

Client Information	Sampler: G ERNST	Lab PM: Beninati, John	Carrier Tracking No(s):	COC No: 480-192880-40374.2
Client Contact: Tim Beaumont	Phone: 516 805 5159	E-Mail: John.Beninati@et.eurofinsus.com	State of Origin:	Page: Page 2 of 2
Company: Groundwater & Environmental Services Inc	PWSID:			Job #:
Address: 6780 Northern Boulevard Suite 100	Due Date Requested:			
City: East Syracuse	TAT Requested (days): Standard			
State, Zip: NY, 13057	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 0603500-128660-221-1106			
Email: tbeaumont@gesonline.com	WO #:			
Project Name: Saratoga Quarterly Main Site GW Event Desc: Saratoga Main Site	Project #: 48027231			
Site: Saratoga Quarterly Main Site GWS	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2O3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - pH 4-5
Y - Trizma
Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270D - PAH Semivolatiles	8260C - BTEX - 8260	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	A		
LTMW-15	1/8/25	13:30	G	Water			3	2	5	
MW-EPA-01R		1325	G	Water			3	2	5	
MW-EPA-03R		12:35	G	Water			3	2	5	
ORS		13:35	G	Water			3	2	5	
MH-1		13:50	G	Water			3	2	5	
Field Duplicate			G	Water			3	2	5	
Trip Blank				Water				2	2	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) CAT B DELIVERY

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time: 1/8/25 1720	Company: GES	Received by:	Date/Time: 1/8/25 1720	Company: GES-SYR
Relinquished by:	Date/Time: 1/9/25 1000	Company: GES-SYR	Received by: Courtesy	Date/Time: 1/10/25 1000	Company: TAB
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

1/16/2025

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 480-226735-1

Login Number: 226735
List Number: 1
Creator: Wallace, Cameron

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	GES
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Tim Beaumont
Groundwater & Environmental Services Inc
6780 Northern Boulevard
Suite 100
East Syracuse, New York 13057

Generated 4/18/2025 10:40:19 AM Revision 1

JOB DESCRIPTION

Saratoga Main Site GW Wells - Quarterly

JOB NUMBER

480-228525-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization

Generated
4/18/2025 10:40:19 AM
Revision 1

Authorized for release by
Joshua Velez, Project Management Assistant I
Joshua.Velez@et.eurofinsus.com
Designee for
John Beninati, Project Manager I
John.Beninati@et.eurofinsus.com
(716)504-9874

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Detection Summary 6
Client Sample Results 8
Surrogate Summary 21
QC Sample Results 23
QC Association Summary 30
Lab Chronicle 32
Certification Summary 35
Method Summary 36
Sample Summary 37
Chain of Custody 38
Receipt Checklists 43

Definitions/Glossary

Client: Groundwater & Environmental Services Inc Job ID: 480-228525-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
480-228525-1

REVISION

The report being provided is a revision of the original report sent on 4/15/2025. The report (revision 1) is being revised due to This report is being revised to merge jobs..

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 4/5/2025 10:00 AM and 4/9/2025 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 2.7°C, 4.1°C and 4.7°C.

Receipt Exceptions
One 250ml amber glass container for the following sample was received broken or leaking: LTMW-04-MSD (480-228569-4[MSD]).

Sample shipment received on two separate days due to fedex network delay. Samples were logged under two separate jobs based on days of receipt.

Field Duplicate (480-228569-1), LTMW-02 (480-228569-2), LTMW-03 (480-228569-3), LTMW-04 (480-228569-4), LTMW-04-MS (480-228569-4[MS]), LTMW-04-MSD (480-228569-4[MSD]), LTMW-05 (480-228569-5), LTMW-12 (480-228569-6), LTMW-13 (480-228569-7), ORS (480-228569-8), MW-EPA-01R (480-228569-9) and MW-EPA-03R (480-228569-10)

Partial shipment received. Lab only received 1 out of 3 coolers, other 2 coolers are delayed in fedex network and have yet to be received as of 4/8. Only samples received will be logged at this time. Trip Blank (480-228525-1), LTMW-06A (480-228525-2), LTMW-15 (480-228525-3), LTMW-01 (480-228525-4), LTMW-14 (480-228525-5) and MH-1 (480-228525-6)

GC/MS VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample ID: Trip Blank — Lab Sample ID: 480-228525-1

No Detections.

Client Sample ID: LTMW-06A — Lab Sample ID: 480-228525-2

No Detections.

Client Sample ID: LTMW-15 — Lab Sample ID: 480-228525-3

No Detections.

Client Sample ID: LTMW-01 — Lab Sample ID: 480-228525-4

No Detections.

Client Sample ID: LTMW-14 — Lab Sample ID: 480-228525-5

No Detections.

Client Sample ID: MH-1 — Lab Sample ID: 480-228525-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	3.2		1.0	0.41	ug/L	1		8260C	Total/NA
Ethylbenzene	1.1		1.0	0.74	ug/L	1		8260C	Total/NA
Total BTEX	4.3		2.0	1.0	ug/L	1		8260C	Total/NA
Acenaphthene	1.4		0.050	0.014	ug/L	1		8270E SIM	Total/NA
Acenaphthylene	0.11		0.050	0.015	ug/L	1		8270E SIM	Total/NA
Anthracene	0.027	J	0.050	0.025	ug/L	1		8270E SIM	Total/NA
Benzo[a]anthracene	0.028	J	0.050	0.016	ug/L	1		8270E SIM	Total/NA
Benzo[a]pyrene	0.027	J	0.050	0.022	ug/L	1		8270E SIM	Total/NA
Benzo[b]fluoranthene	0.051		0.050	0.024	ug/L	1		8270E SIM	Total/NA
Chrysene	0.054		0.050	0.030	ug/L	1		8270E SIM	Total/NA
Fluoranthene	0.27		0.050	0.039	ug/L	1		8270E SIM	Total/NA
Fluorene	0.049	J	0.050	0.012	ug/L	1		8270E SIM	Total/NA
Phenanthrene	0.071		0.050	0.022	ug/L	1		8270E SIM	Total/NA
Pyrene	0.27		0.050	0.031	ug/L	1		8270E SIM	Total/NA

Client Sample ID: Field Duplicate — Lab Sample ID: 480-228569-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.093		0.050	0.014	ug/L	1		8270E SIM	Total/NA
Fluorene	0.069		0.050	0.012	ug/L	1		8270E SIM	Total/NA
Naphthalene	2.0		0.20	0.12	ug/L	1		8270E SIM	Total/NA
Phenanthrene	0.052		0.050	0.022	ug/L	1		8270E SIM	Total/NA

Client Sample ID: LTMW-02 — Lab Sample ID: 480-228569-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.024	J	0.050	0.014	ug/L	1		8270E SIM	Total/NA
Acenaphthylene	0.024	J	0.050	0.015	ug/L	1		8270E SIM	Total/NA
Anthracene	0.043	J	0.050	0.025	ug/L	1		8270E SIM	Total/NA
Benzo[a]anthracene	0.074		0.050	0.016	ug/L	1		8270E SIM	Total/NA
Benzo[a]pyrene	0.065		0.050	0.022	ug/L	1		8270E SIM	Total/NA
Benzo[b]fluoranthene	0.060		0.050	0.024	ug/L	1		8270E SIM	Total/NA
Chrysene	0.080		0.050	0.030	ug/L	1		8270E SIM	Total/NA
Fluoranthene	0.14		0.050	0.039	ug/L	1		8270E SIM	Total/NA
Fluorene	0.021	J	0.050	0.012	ug/L	1		8270E SIM	Total/NA
Indeno[1,2,3-cd]pyrene	0.037	J	0.050	0.036	ug/L	1		8270E SIM	Total/NA
Phenanthrene	0.20		0.050	0.022	ug/L	1		8270E SIM	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: LTMW-02 (Continued) Lab Sample ID: 480-228569-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Pyrene	0.18		0.050	0.031	ug/L	1		8270E SIM	Total/NA

Client Sample ID: LTMW-03 Lab Sample ID: 480-228569-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluorene	0.012	J	0.050	0.012	ug/L	1		8270E SIM	Total/NA
Phenanthrene	0.054		0.050	0.022	ug/L	1		8270E SIM	Total/NA

Client Sample ID: LTMW-04 Lab Sample ID: 480-228569-4

No Detections.

Client Sample ID: LTMW-05 Lab Sample ID: 480-228569-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.019	J	0.050	0.016	ug/L	1		8270E SIM	Total/NA
Benzo[a]pyrene	0.029	J	0.050	0.022	ug/L	1		8270E SIM	Total/NA
Benzo[b]fluoranthene	0.053		0.050	0.024	ug/L	1		8270E SIM	Total/NA
Benzo[g,h,i]perylene	0.037	J	0.050	0.035	ug/L	1		8270E SIM	Total/NA
Chrysene	0.034	J	0.050	0.030	ug/L	1		8270E SIM	Total/NA
Fluoranthene	0.043	J	0.050	0.039	ug/L	1		8270E SIM	Total/NA
Pyrene	0.038	J	0.050	0.031	ug/L	1		8270E SIM	Total/NA

Client Sample ID: LTMW-12 Lab Sample ID: 480-228569-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluorene	0.013	J	0.050	0.012	ug/L	1		8270E SIM	Total/NA
Phenanthrene	0.025	J	0.050	0.022	ug/L	1		8270E SIM	Total/NA

Client Sample ID: LTMW-13 Lab Sample ID: 480-228569-7

No Detections.

Client Sample ID: ORS Lab Sample ID: 480-228569-8

No Detections.

Client Sample ID: MW-EPA-01R Lab Sample ID: 480-228569-9

No Detections.

Client Sample ID: MW-EPA-03R Lab Sample ID: 480-228569-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	2.8		0.050	0.014	ug/L	1		8270E SIM	Total/NA
Acenaphthylene	3.6		0.050	0.015	ug/L	1		8270E SIM	Total/NA
Fluorene	0.23		0.050	0.012	ug/L	1		8270E SIM	Total/NA
Naphthalene	0.60		0.20	0.12	ug/L	1		8270E SIM	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: Trip Blank

Lab Sample ID: 480-228525-1

Date Collected: 04/03/25 00:00

Matrix: Water

Date Received: 04/05/25 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			04/10/25 15:36	1
Toluene	ND		1.0	0.51	ug/L			04/10/25 15:36	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/10/25 15:36	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			04/10/25 15:36	1
o-Xylene	ND		1.0	0.76	ug/L			04/10/25 15:36	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/10/25 15:36	1
Total BTEX	ND		2.0	1.0	ug/L			04/10/25 15:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*80 - 120*		*04/10/25 15:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*04/10/25 15:36*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*04/10/25 15:36*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*04/10/25 15:36*	*1*

Client Sample ID: LTMW-06A

Lab Sample ID: 480-228525-2

Date Collected: 04/03/25 12:45

Matrix: Water

Date Received: 04/05/25 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			04/10/25 16:00	1
Toluene	ND		1.0	0.51	ug/L			04/10/25 16:00	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/10/25 16:00	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			04/10/25 16:00	1
o-Xylene	ND		1.0	0.76	ug/L			04/10/25 16:00	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/10/25 16:00	1
Total BTEX	ND		2.0	1.0	ug/L			04/10/25 16:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*80 - 120*		*04/10/25 16:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*		*04/10/25 16:00*	*1*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*		*04/10/25 16:00*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*04/10/25 16:00*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.050	0.014	ug/L		04/10/25 12:31	04/10/25 21:32	1
Acenaphthylene	ND		0.050	0.015	ug/L		04/10/25 12:31	04/10/25 21:32	1
Anthracene	ND		0.050	0.025	ug/L		04/10/25 12:31	04/10/25 21:32	1
Benzo[a]anthracene	ND		0.050	0.016	ug/L		04/10/25 12:31	04/10/25 21:32	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		04/10/25 12:31	04/10/25 21:32	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		04/10/25 12:31	04/10/25 21:32	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		04/10/25 12:31	04/10/25 21:32	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		04/10/25 12:31	04/10/25 21:32	1
Chrysene	ND		0.050	0.030	ug/L		04/10/25 12:31	04/10/25 21:32	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		04/10/25 12:31	04/10/25 21:32	1
Fluoranthene	ND		0.050	0.039	ug/L		04/10/25 12:31	04/10/25 21:32	1
Fluorene	ND		0.050	0.012	ug/L		04/10/25 12:31	04/10/25 21:32	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		04/10/25 12:31	04/10/25 21:32	1
Naphthalene	ND		0.20	0.12	ug/L		04/10/25 12:31	04/10/25 21:32	1
Phenanthrene	ND		0.050	0.022	ug/L		04/10/25 12:31	04/10/25 21:32	1
Pyrene	ND		0.050	0.031	ug/L		04/10/25 12:31	04/10/25 21:32	1

Client Sample ID: LTMW-06A
Lab Sample ID: 480-228525-2
Date Collected: 04/03/25 12:45
Matrix: Water
Date Received: 04/05/25 10:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	*94*		*55 - 150*	*04/10/25 12:31*	*04/10/25 21:32*	*1*
2-Fluorobiphenyl (Surr)	*89*		*10 - 150*	*04/10/25 12:31*	*04/10/25 21:32*	*1*

Client Sample ID: LTMW-15
Lab Sample ID: 480-228525-3
Date Collected: 04/03/25 13:40
Matrix: Water
Date Received: 04/05/25 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			04/10/25 16:24	1
Toluene	ND		1.0	0.51	ug/L			04/10/25 16:24	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/10/25 16:24	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			04/10/25 16:24	1
o-Xylene	ND		1.0	0.76	ug/L			04/10/25 16:24	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/10/25 16:24	1
Total BTEX	ND		2.0	1.0	ug/L			04/10/25 16:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*100*		*80 - 120*		*04/10/25 16:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*04/10/25 16:24*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*04/10/25 16:24*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*04/10/25 16:24*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.050	0.014	ug/L		04/10/25 12:31	04/10/25 21:53	1
Acenaphthylene	ND		0.050	0.015	ug/L		04/10/25 12:31	04/10/25 21:53	1
Anthracene	ND		0.050	0.025	ug/L		04/10/25 12:31	04/10/25 21:53	1
Benzo[a]anthracene	ND		0.050	0.016	ug/L		04/10/25 12:31	04/10/25 21:53	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		04/10/25 12:31	04/10/25 21:53	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		04/10/25 12:31	04/10/25 21:53	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		04/10/25 12:31	04/10/25 21:53	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		04/10/25 12:31	04/10/25 21:53	1
Chrysene	ND		0.050	0.030	ug/L		04/10/25 12:31	04/10/25 21:53	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		04/10/25 12:31	04/10/25 21:53	1
Fluoranthene	ND		0.050	0.039	ug/L		04/10/25 12:31	04/10/25 21:53	1
Fluorene	ND		0.050	0.012	ug/L		04/10/25 12:31	04/10/25 21:53	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		04/10/25 12:31	04/10/25 21:53	1
Naphthalene	ND		0.20	0.12	ug/L		04/10/25 12:31	04/10/25 21:53	1
Phenanthrene	ND		0.050	0.022	ug/L		04/10/25 12:31	04/10/25 21:53	1
Pyrene	ND		0.050	0.031	ug/L		04/10/25 12:31	04/10/25 21:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	*94*		*55 - 150*	*04/10/25 12:31*	*04/10/25 21:53*	*1*
2-Fluorobiphenyl (Surr)	*93*		*10 - 150*	*04/10/25 12:31*	*04/10/25 21:53*	*1*

Client Sample ID: LTMW-01
Lab Sample ID: 480-228525-4
Date Collected: 04/03/25 15:10
Matrix: Water
Date Received: 04/05/25 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			04/10/25 16:48	1

Client Sample ID: LTMW-01
Lab Sample ID: 480-228525-4
Date Collected: 04/03/25 15:10
Matrix: Water
Date Received: 04/05/25 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		1.0	0.51	ug/L			04/10/25 16:48	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/10/25 16:48	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			04/10/25 16:48	1
o-Xylene	ND		1.0	0.76	ug/L			04/10/25 16:48	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/10/25 16:48	1
Total BTEX	ND		2.0	1.0	ug/L			04/10/25 16:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*04/10/25 16:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*04/10/25 16:48*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*04/10/25 16:48*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*04/10/25 16:48*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.050	0.014	ug/L		04/10/25 12:31	04/10/25 22:13	1
Acenaphthylene	ND		0.050	0.015	ug/L		04/10/25 12:31	04/10/25 22:13	1
Anthracene	ND		0.050	0.025	ug/L		04/10/25 12:31	04/10/25 22:13	1
Benzo[a]anthracene	ND		0.050	0.016	ug/L		04/10/25 12:31	04/10/25 22:13	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		04/10/25 12:31	04/10/25 22:13	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		04/10/25 12:31	04/10/25 22:13	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		04/10/25 12:31	04/10/25 22:13	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		04/10/25 12:31	04/10/25 22:13	1
Chrysene	ND		0.050	0.030	ug/L		04/10/25 12:31	04/10/25 22:13	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		04/10/25 12:31	04/10/25 22:13	1
Fluoranthene	ND		0.050	0.039	ug/L		04/10/25 12:31	04/10/25 22:13	1
Fluorene	ND		0.050	0.012	ug/L		04/10/25 12:31	04/10/25 22:13	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		04/10/25 12:31	04/10/25 22:13	1
Naphthalene	ND		0.20	0.12	ug/L		04/10/25 12:31	04/10/25 22:13	1
Phenanthrene	ND		0.050	0.022	ug/L		04/10/25 12:31	04/10/25 22:13	1
Pyrene	ND		0.050	0.031	ug/L		04/10/25 12:31	04/10/25 22:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*96*		*55 - 150*	*04/10/25 12:31*	*04/10/25 22:13*	*1*
2-Fluorobiphenyl (Surr)	*87*		*10 - 150*	*04/10/25 12:31*	*04/10/25 22:13*	*1*

Client Sample ID: LTMW-14
Lab Sample ID: 480-228525-5
Date Collected: 04/03/25 10:55
Matrix: Water
Date Received: 04/05/25 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			04/10/25 17:11	1
Toluene	ND		1.0	0.51	ug/L			04/10/25 17:11	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/10/25 17:11	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			04/10/25 17:11	1
o-Xylene	ND		1.0	0.76	ug/L			04/10/25 17:11	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/10/25 17:11	1
Total BTEX	ND		2.0	1.0	ug/L			04/10/25 17:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*80 - 120*		*04/10/25 17:11*	*1*

Client Sample ID: LTMW-14
Lab Sample ID: 480-228525-5
Date Collected: 04/03/25 10:55
Matrix: Water
Date Received: 04/05/25 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		04/10/25 17:11	1
4-Bromofluorobenzene (Surr)	94		73 - 120		04/10/25 17:11	1
Dibromofluoromethane (Surr)	100		75 - 123		04/10/25 17:11	1

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.050	0.014	ug/L		04/10/25 12:31	04/10/25 22:34	1
Acenaphthylene	ND		0.050	0.015	ug/L		04/10/25 12:31	04/10/25 22:34	1
Anthracene	ND		0.050	0.025	ug/L		04/10/25 12:31	04/10/25 22:34	1
Benzo[a]anthracene	ND		0.050	0.016	ug/L		04/10/25 12:31	04/10/25 22:34	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		04/10/25 12:31	04/10/25 22:34	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		04/10/25 12:31	04/10/25 22:34	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		04/10/25 12:31	04/10/25 22:34	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		04/10/25 12:31	04/10/25 22:34	1
Chrysene	ND		0.050	0.030	ug/L		04/10/25 12:31	04/10/25 22:34	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		04/10/25 12:31	04/10/25 22:34	1
Fluoranthene	ND		0.050	0.039	ug/L		04/10/25 12:31	04/10/25 22:34	1
Fluorene	ND		0.050	0.012	ug/L		04/10/25 12:31	04/10/25 22:34	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		04/10/25 12:31	04/10/25 22:34	1
Naphthalene	ND		0.20	0.12	ug/L		04/10/25 12:31	04/10/25 22:34	1
Phenanthrene	ND		0.050	0.022	ug/L		04/10/25 12:31	04/10/25 22:34	1
Pyrene	ND		0.050	0.031	ug/L		04/10/25 12:31	04/10/25 22:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	106		55 - 150	04/10/25 12:31	04/10/25 22:34	1
2-Fluorobiphenyl (Surr)	102		10 - 150	04/10/25 12:31	04/10/25 22:34	1

Client Sample ID: MH-1
Lab Sample ID: 480-228525-6
Date Collected: 04/03/25 14:00
Matrix: Water
Date Received: 04/05/25 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**3.2**		1.0	0.41	ug/L			04/10/25 17:35	1
Toluene	ND		1.0	0.51	ug/L			04/10/25 17:35	1
Ethylbenzene	**1.1**		1.0	0.74	ug/L			04/10/25 17:35	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			04/10/25 17:35	1
o-Xylene	ND		1.0	0.76	ug/L			04/10/25 17:35	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/10/25 17:35	1
Total BTEX	**4.3**		2.0	1.0	ug/L			04/10/25 17:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		80 - 120		04/10/25 17:35	1
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		04/10/25 17:35	1
4-Bromofluorobenzene (Surr)	98		73 - 120		04/10/25 17:35	1
Dibromofluoromethane (Surr)	103		75 - 123		04/10/25 17:35	1

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**1.4**		0.050	0.014	ug/L		04/10/25 12:31	04/10/25 22:55	1
Acenaphthylene	**0.11**		0.050	0.015	ug/L		04/10/25 12:31	04/10/25 22:55	1

Client Sample ID: MH-1

Lab Sample ID: 480-228525-6

Date Collected: 04/03/25 14:00

Matrix: Water

Date Received: 04/05/25 10:00

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	**0.027**	**J**	0.050	0.025	ug/L		04/10/25 12:31	04/10/25 22:55	1
Benzo[a]anthracene	**0.028**	**J**	0.050	0.016	ug/L		04/10/25 12:31	04/10/25 22:55	1
Benzo[a]pyrene	**0.027**	**J**	0.050	0.022	ug/L		04/10/25 12:31	04/10/25 22:55	1
Benzo[b]fluoranthene	**0.051**		0.050	0.024	ug/L		04/10/25 12:31	04/10/25 22:55	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		04/10/25 12:31	04/10/25 22:55	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		04/10/25 12:31	04/10/25 22:55	1
Chrysene	**0.054**		0.050	0.030	ug/L		04/10/25 12:31	04/10/25 22:55	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		04/10/25 12:31	04/10/25 22:55	1
Fluoranthene	**0.27**		0.050	0.039	ug/L		04/10/25 12:31	04/10/25 22:55	1
Fluorene	**0.049**	**J**	0.050	0.012	ug/L		04/10/25 12:31	04/10/25 22:55	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		04/10/25 12:31	04/10/25 22:55	1
Naphthalene	ND		0.20	0.12	ug/L		04/10/25 12:31	04/10/25 22:55	1
Phenanthrene	**0.071**		0.050	0.022	ug/L		04/10/25 12:31	04/10/25 22:55	1
Pyrene	**0.27**		0.050	0.031	ug/L		04/10/25 12:31	04/10/25 22:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*80*		*55 - 150*	*04/10/25 12:31*	*04/10/25 22:55*	*1*
2-Fluorobiphenyl (Surr)	*80*		*10 - 150*	*04/10/25 12:31*	*04/10/25 22:55*	*1*

Client Sample ID: Field Duplicate

Lab Sample ID: 480-228569-1

Date Collected: 04/03/25 00:00

Matrix: Water

Date Received: 04/09/25 09:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			04/11/25 04:04	1
Toluene	ND		1.0	0.51	ug/L			04/11/25 04:04	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/11/25 04:04	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			04/11/25 04:04	1
o-Xylene	ND		1.0	0.76	ug/L			04/11/25 04:04	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/11/25 04:04	1
Total BTEX	ND		2.0	1.0	ug/L			04/11/25 04:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*91*		*80 - 120*		*04/11/25 04:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*04/11/25 04:04*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*04/11/25 04:04*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*04/11/25 04:04*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.093**		0.050	0.014	ug/L		04/10/25 12:31	04/10/25 23:16	1
Acenaphthylene	ND		0.050	0.015	ug/L		04/10/25 12:31	04/10/25 23:16	1
Anthracene	ND		0.050	0.025	ug/L		04/10/25 12:31	04/10/25 23:16	1
Benzo[a]anthracene	ND		0.050	0.016	ug/L		04/10/25 12:31	04/10/25 23:16	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		04/10/25 12:31	04/10/25 23:16	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		04/10/25 12:31	04/10/25 23:16	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		04/10/25 12:31	04/10/25 23:16	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		04/10/25 12:31	04/10/25 23:16	1
Chrysene	ND		0.050	0.030	ug/L		04/10/25 12:31	04/10/25 23:16	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		04/10/25 12:31	04/10/25 23:16	1
Fluoranthene	ND		0.050	0.039	ug/L		04/10/25 12:31	04/10/25 23:16	1

Client Sample ID: Field Duplicate
Lab Sample ID: 480-228569-1
Date Collected: 04/03/25 00:00
Matrix: Water
Date Received: 04/09/25 09:30

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	**0.069**		0.050	0.012	ug/L		04/10/25 12:31	04/10/25 23:16	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		04/10/25 12:31	04/10/25 23:16	1
Naphthalene	**2.0**		0.20	0.12	ug/L		04/10/25 12:31	04/10/25 23:16	1
Phenanthrene	**0.052**		0.050	0.022	ug/L		04/10/25 12:31	04/10/25 23:16	1
Pyrene	ND		0.050	0.031	ug/L		04/10/25 12:31	04/10/25 23:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*96*		*55 - 150*	*04/10/25 12:31*	*04/10/25 23:16*	*1*
2-Fluorobiphenyl (Surr)	*85*		*10 - 150*	*04/10/25 12:31*	*04/10/25 23:16*	*1*

Client Sample ID: LTMW-02
Lab Sample ID: 480-228569-2
Date Collected: 04/03/25 14:00
Matrix: Water
Date Received: 04/09/25 09:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			04/11/25 04:27	1
Toluene	ND		1.0	0.51	ug/L			04/11/25 04:27	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/11/25 04:27	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			04/11/25 04:27	1
o-Xylene	ND		1.0	0.76	ug/L			04/11/25 04:27	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/11/25 04:27	1
Total BTEX	ND		2.0	1.0	ug/L			04/11/25 04:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*88*		*80 - 120*		*04/11/25 04:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*77 - 120*		*04/11/25 04:27*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*04/11/25 04:27*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 123*		*04/11/25 04:27*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.024**	**J**	0.050	0.014	ug/L		04/10/25 12:31	04/10/25 23:37	1
Acenaphthylene	**0.024**	**J**	0.050	0.015	ug/L		04/10/25 12:31	04/10/25 23:37	1
Anthracene	**0.043**	**J**	0.050	0.025	ug/L		04/10/25 12:31	04/10/25 23:37	1
Benzo[a]anthracene	**0.074**		0.050	0.016	ug/L		04/10/25 12:31	04/10/25 23:37	1
Benzo[a]pyrene	**0.065**		0.050	0.022	ug/L		04/10/25 12:31	04/10/25 23:37	1
Benzo[b]fluoranthene	**0.060**		0.050	0.024	ug/L		04/10/25 12:31	04/10/25 23:37	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		04/10/25 12:31	04/10/25 23:37	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		04/10/25 12:31	04/10/25 23:37	1
Chrysene	**0.080**		0.050	0.030	ug/L		04/10/25 12:31	04/10/25 23:37	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		04/10/25 12:31	04/10/25 23:37	1
Fluoranthene	**0.14**		0.050	0.039	ug/L		04/10/25 12:31	04/10/25 23:37	1
Fluorene	**0.021**	**J**	0.050	0.012	ug/L		04/10/25 12:31	04/10/25 23:37	1
Indeno[1,2,3-cd]pyrene	**0.037**	**J**	0.050	0.036	ug/L		04/10/25 12:31	04/10/25 23:37	1
Naphthalene	ND		0.20	0.12	ug/L		04/10/25 12:31	04/10/25 23:37	1
Phenanthrene	**0.20**		0.050	0.022	ug/L		04/10/25 12:31	04/10/25 23:37	1
Pyrene	**0.18**		0.050	0.031	ug/L		04/10/25 12:31	04/10/25 23:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*101*		*55 - 150*	*04/10/25 12:31*	*04/10/25 23:37*	*1*
2-Fluorobiphenyl (Surr)	*91*		*10 - 150*	*04/10/25 12:31*	*04/10/25 23:37*	*1*

Client Sample ID: LTMW-03
Lab Sample ID: 480-228569-3
Date Collected: 04/03/25 15:05
Matrix: Water
Date Received: 04/09/25 09:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			04/11/25 04:49	1
Toluene	ND		1.0	0.51	ug/L			04/11/25 04:49	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/11/25 04:49	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			04/11/25 04:49	1
o-Xylene	ND		1.0	0.76	ug/L			04/11/25 04:49	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/11/25 04:49	1
Total BTEX	ND		2.0	1.0	ug/L			04/11/25 04:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*86*		*80 - 120*		*04/11/25 04:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*77 - 120*		*04/11/25 04:49*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*04/11/25 04:49*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*04/11/25 04:49*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.050	0.014	ug/L		04/10/25 12:31	04/10/25 23:58	1
Acenaphthylene	ND		0.050	0.015	ug/L		04/10/25 12:31	04/10/25 23:58	1
Anthracene	ND		0.050	0.025	ug/L		04/10/25 12:31	04/10/25 23:58	1
Benzo[a]anthracene	ND		0.050	0.016	ug/L		04/10/25 12:31	04/10/25 23:58	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		04/10/25 12:31	04/10/25 23:58	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		04/10/25 12:31	04/10/25 23:58	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		04/10/25 12:31	04/10/25 23:58	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		04/10/25 12:31	04/10/25 23:58	1
Chrysene	ND		0.050	0.030	ug/L		04/10/25 12:31	04/10/25 23:58	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		04/10/25 12:31	04/10/25 23:58	1
Fluoranthene	ND		0.050	0.039	ug/L		04/10/25 12:31	04/10/25 23:58	1
Fluorene	**0.012**	**J**	0.050	0.012	ug/L		04/10/25 12:31	04/10/25 23:58	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		04/10/25 12:31	04/10/25 23:58	1
Naphthalene	ND		0.20	0.12	ug/L		04/10/25 12:31	04/10/25 23:58	1
Phenanthrene	**0.054**		0.050	0.022	ug/L		04/10/25 12:31	04/10/25 23:58	1
Pyrene	ND		0.050	0.031	ug/L		04/10/25 12:31	04/10/25 23:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*110*		*55 - 150*	*04/10/25 12:31*	*04/10/25 23:58*	*1*
2-Fluorobiphenyl (Surr)	*102*		*10 - 150*	*04/10/25 12:31*	*04/10/25 23:58*	*1*

Client Sample ID: LTMW-04
Lab Sample ID: 480-228569-4
Date Collected: 04/03/25 14:10
Matrix: Water
Date Received: 04/09/25 09:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			04/11/25 05:12	1
Toluene	ND		1.0	0.51	ug/L			04/11/25 05:12	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/11/25 05:12	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			04/11/25 05:12	1
o-Xylene	ND		1.0	0.76	ug/L			04/11/25 05:12	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/11/25 05:12	1
Total BTEX	ND		2.0	1.0	ug/L			04/11/25 05:12	1

Client Sample ID: LTMW-04
Lab Sample ID: 480-228569-4
Date Collected: 04/03/25 14:10
Matrix: Water
Date Received: 04/09/25 09:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*86*		*80 - 120*		*04/11/25 05:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*04/11/25 05:12*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*04/11/25 05:12*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*04/11/25 05:12*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.050	0.014	ug/L		04/10/25 12:31	04/11/25 02:23	1
Acenaphthylene	ND		0.050	0.015	ug/L		04/10/25 12:31	04/11/25 02:23	1
Anthracene	ND		0.050	0.025	ug/L		04/10/25 12:31	04/11/25 02:23	1
Benzo[a]anthracene	ND		0.050	0.016	ug/L		04/10/25 12:31	04/11/25 02:23	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		04/10/25 12:31	04/11/25 02:23	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		04/10/25 12:31	04/11/25 02:23	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		04/10/25 12:31	04/11/25 02:23	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		04/10/25 12:31	04/11/25 02:23	1
Chrysene	ND		0.050	0.030	ug/L		04/10/25 12:31	04/11/25 02:23	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		04/10/25 12:31	04/11/25 02:23	1
Fluoranthene	ND		0.050	0.039	ug/L		04/10/25 12:31	04/11/25 02:23	1
Fluorene	ND		0.050	0.012	ug/L		04/10/25 12:31	04/11/25 02:23	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		04/10/25 12:31	04/11/25 02:23	1
Naphthalene	ND		0.20	0.12	ug/L		04/10/25 12:31	04/11/25 02:23	1
Phenanthrene	ND		0.050	0.022	ug/L		04/10/25 12:31	04/11/25 02:23	1
Pyrene	ND		0.050	0.031	ug/L		04/10/25 12:31	04/11/25 02:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	*96*		*55 - 150*	*04/10/25 12:31*	*04/11/25 02:23*	*1*
2-Fluorobiphenyl (Surr)	*84*		*10 - 150*	*04/10/25 12:31*	*04/11/25 02:23*	*1*

Client Sample ID: LTMW-05
Lab Sample ID: 480-228569-5
Date Collected: 04/03/25 13:05
Matrix: Water
Date Received: 04/09/25 09:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			04/11/25 05:34	1
Toluene	ND		1.0	0.51	ug/L			04/11/25 05:34	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/11/25 05:34	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			04/11/25 05:34	1
o-Xylene	ND		1.0	0.76	ug/L			04/11/25 05:34	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/11/25 05:34	1
Total BTEX	ND		2.0	1.0	ug/L			04/11/25 05:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*91*		*80 - 120*		*04/11/25 05:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*77 - 120*		*04/11/25 05:34*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*04/11/25 05:34*	*1*
Dibromofluoromethane (Surr)	*91*		*75 - 123*		*04/11/25 05:34*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.050	0.014	ug/L		04/10/25 12:31	04/11/25 00:18	1
Acenaphthylene	ND		0.050	0.015	ug/L		04/10/25 12:31	04/11/25 00:18	1

Client Sample ID: LTMW-05
Lab Sample ID: 480-228569-5
Date Collected: 04/03/25 13:05
Matrix: Water
Date Received: 04/09/25 09:30

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		0.050	0.025	ug/L		04/10/25 12:31	04/11/25 00:18	1
Benzo[a]anthracene	**0.019**	**J**	0.050	0.016	ug/L		04/10/25 12:31	04/11/25 00:18	1
Benzo[a]pyrene	**0.029**	**J**	0.050	0.022	ug/L		04/10/25 12:31	04/11/25 00:18	1
Benzo[b]fluoranthene	**0.053**		0.050	0.024	ug/L		04/10/25 12:31	04/11/25 00:18	1
Benzo[g,h,i]perylene	**0.037**	**J**	0.050	0.035	ug/L		04/10/25 12:31	04/11/25 00:18	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		04/10/25 12:31	04/11/25 00:18	1
Chrysene	**0.034**	**J**	0.050	0.030	ug/L		04/10/25 12:31	04/11/25 00:18	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		04/10/25 12:31	04/11/25 00:18	1
Fluoranthene	**0.043**	**J**	0.050	0.039	ug/L		04/10/25 12:31	04/11/25 00:18	1
Fluorene	ND		0.050	0.012	ug/L		04/10/25 12:31	04/11/25 00:18	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		04/10/25 12:31	04/11/25 00:18	1
Naphthalene	ND		0.20	0.12	ug/L		04/10/25 12:31	04/11/25 00:18	1
Phenanthrene	ND		0.050	0.022	ug/L		04/10/25 12:31	04/11/25 00:18	1
Pyrene	**0.038**	**J**	0.050	0.031	ug/L		04/10/25 12:31	04/11/25 00:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*118*		*55 - 150*	*04/10/25 12:31*	*04/11/25 00:18*	*1*
2-Fluorobiphenyl (Surr)	*107*		*10 - 150*	*04/10/25 12:31*	*04/11/25 00:18*	*1*

Client Sample ID: LTMW-12
Lab Sample ID: 480-228569-6
Date Collected: 04/03/25 10:35
Matrix: Water
Date Received: 04/09/25 09:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			04/11/25 05:57	1
Toluene	ND		1.0	0.51	ug/L			04/11/25 05:57	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/11/25 05:57	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			04/11/25 05:57	1
o-Xylene	ND		1.0	0.76	ug/L			04/11/25 05:57	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/11/25 05:57	1
Total BTEX	ND		2.0	1.0	ug/L			04/11/25 05:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*91*		*80 - 120*		*04/11/25 05:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*77 - 120*		*04/11/25 05:57*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*04/11/25 05:57*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 123*		*04/11/25 05:57*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.050	0.014	ug/L		04/10/25 12:31	04/11/25 00:39	1
Acenaphthylene	ND		0.050	0.015	ug/L		04/10/25 12:31	04/11/25 00:39	1
Anthracene	ND		0.050	0.025	ug/L		04/10/25 12:31	04/11/25 00:39	1
Benzo[a]anthracene	ND		0.050	0.016	ug/L		04/10/25 12:31	04/11/25 00:39	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		04/10/25 12:31	04/11/25 00:39	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		04/10/25 12:31	04/11/25 00:39	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		04/10/25 12:31	04/11/25 00:39	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		04/10/25 12:31	04/11/25 00:39	1
Chrysene	ND		0.050	0.030	ug/L		04/10/25 12:31	04/11/25 00:39	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		04/10/25 12:31	04/11/25 00:39	1
Fluoranthene	ND		0.050	0.039	ug/L		04/10/25 12:31	04/11/25 00:39	1

Client Sample ID: LTMW-12
Lab Sample ID: 480-228569-6
Date Collected: 04/03/25 10:35
Matrix: Water
Date Received: 04/09/25 09:30

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	**0.013**	**J**	0.050	0.012	ug/L		04/10/25 12:31	04/11/25 00:39	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		04/10/25 12:31	04/11/25 00:39	1
Naphthalene	ND		0.20	0.12	ug/L		04/10/25 12:31	04/11/25 00:39	1
Phenanthrene	**0.025**	**J**	0.050	0.022	ug/L		04/10/25 12:31	04/11/25 00:39	1
Pyrene	ND		0.050	0.031	ug/L		04/10/25 12:31	04/11/25 00:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*87*		*55 - 150*	*04/10/25 12:31*	*04/11/25 00:39*	*1*
2-Fluorobiphenyl (Surr)	*86*		*10 - 150*	*04/10/25 12:31*	*04/11/25 00:39*	*1*

Client Sample ID: LTMW-13
Lab Sample ID: 480-228569-7
Date Collected: 04/03/25 11:30
Matrix: Water
Date Received: 04/09/25 09:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			04/11/25 06:19	1
Toluene	ND		1.0	0.51	ug/L			04/11/25 06:19	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/11/25 06:19	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			04/11/25 06:19	1
o-Xylene	ND		1.0	0.76	ug/L			04/11/25 06:19	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/11/25 06:19	1
Total BTEX	ND		2.0	1.0	ug/L			04/11/25 06:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*88*		*80 - 120*		*04/11/25 06:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*77 - 120*		*04/11/25 06:19*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*04/11/25 06:19*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 123*		*04/11/25 06:19*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.050	0.014	ug/L		04/10/25 12:31	04/11/25 01:00	1
Acenaphthylene	ND		0.050	0.015	ug/L		04/10/25 12:31	04/11/25 01:00	1
Anthracene	ND		0.050	0.025	ug/L		04/10/25 12:31	04/11/25 01:00	1
Benzo[a]anthracene	ND		0.050	0.016	ug/L		04/10/25 12:31	04/11/25 01:00	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		04/10/25 12:31	04/11/25 01:00	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		04/10/25 12:31	04/11/25 01:00	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		04/10/25 12:31	04/11/25 01:00	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		04/10/25 12:31	04/11/25 01:00	1
Chrysene	ND		0.050	0.030	ug/L		04/10/25 12:31	04/11/25 01:00	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		04/10/25 12:31	04/11/25 01:00	1
Fluoranthene	ND		0.050	0.039	ug/L		04/10/25 12:31	04/11/25 01:00	1
Fluorene	ND		0.050	0.012	ug/L		04/10/25 12:31	04/11/25 01:00	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		04/10/25 12:31	04/11/25 01:00	1
Naphthalene	ND		0.20	0.12	ug/L		04/10/25 12:31	04/11/25 01:00	1
Phenanthrene	ND		0.050	0.022	ug/L		04/10/25 12:31	04/11/25 01:00	1
Pyrene	ND		0.050	0.031	ug/L		04/10/25 12:31	04/11/25 01:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*114*		*55 - 150*	*04/10/25 12:31*	*04/11/25 01:00*	*1*
2-Fluorobiphenyl (Surr)	*104*		*10 - 150*	*04/10/25 12:31*	*04/11/25 01:00*	*1*

Client Sample ID: ORS
Lab Sample ID: 480-228569-8
Date Collected: 04/03/25 14:20
Matrix: Water
Date Received: 04/09/25 09:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			04/11/25 06:42	1
Toluene	ND		1.0	0.51	ug/L			04/11/25 06:42	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/11/25 06:42	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			04/11/25 06:42	1
o-Xylene	ND		1.0	0.76	ug/L			04/11/25 06:42	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/11/25 06:42	1
Total BTEX	ND		2.0	1.0	ug/L			04/11/25 06:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*87*		*80 - 120*		*04/11/25 06:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*77 - 120*		*04/11/25 06:42*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*04/11/25 06:42*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 123*		*04/11/25 06:42*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.050	0.014	ug/L		04/10/25 12:31	04/11/25 01:21	1
Acenaphthylene	ND		0.050	0.015	ug/L		04/10/25 12:31	04/11/25 01:21	1
Anthracene	ND		0.050	0.025	ug/L		04/10/25 12:31	04/11/25 01:21	1
Benzo[a]anthracene	ND		0.050	0.016	ug/L		04/10/25 12:31	04/11/25 01:21	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		04/10/25 12:31	04/11/25 01:21	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		04/10/25 12:31	04/11/25 01:21	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		04/10/25 12:31	04/11/25 01:21	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		04/10/25 12:31	04/11/25 01:21	1
Chrysene	ND		0.050	0.030	ug/L		04/10/25 12:31	04/11/25 01:21	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		04/10/25 12:31	04/11/25 01:21	1
Fluoranthene	ND		0.050	0.039	ug/L		04/10/25 12:31	04/11/25 01:21	1
Fluorene	ND		0.050	0.012	ug/L		04/10/25 12:31	04/11/25 01:21	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		04/10/25 12:31	04/11/25 01:21	1
Naphthalene	ND		0.20	0.12	ug/L		04/10/25 12:31	04/11/25 01:21	1
Phenanthrene	ND		0.050	0.022	ug/L		04/10/25 12:31	04/11/25 01:21	1
Pyrene	ND		0.050	0.031	ug/L		04/10/25 12:31	04/11/25 01:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*118*		*55 - 150*	*04/10/25 12:31*	*04/11/25 01:21*	*1*
2-Fluorobiphenyl (Surr)	*118*		*10 - 150*	*04/10/25 12:31*	*04/11/25 01:21*	*1*

Client Sample ID: MW-EPA-01R
Lab Sample ID: 480-228569-9
Date Collected: 04/03/25 13:10
Matrix: Water
Date Received: 04/09/25 09:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			04/11/25 07:04	1
Toluene	ND		1.0	0.51	ug/L			04/11/25 07:04	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/11/25 07:04	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			04/11/25 07:04	1
o-Xylene	ND		1.0	0.76	ug/L			04/11/25 07:04	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/11/25 07:04	1
Total BTEX	ND		2.0	1.0	ug/L			04/11/25 07:04	1

Client Sample ID: MW-EPA-01R
Lab Sample ID: 480-228569-9
Date Collected: 04/03/25 13:10
Matrix: Water
Date Received: 04/09/25 09:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	85		80 - 120		04/11/25 07:04	1
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		04/11/25 07:04	1
4-Bromofluorobenzene (Surr)	103		73 - 120		04/11/25 07:04	1
Dibromofluoromethane (Surr)	99		75 - 123		04/11/25 07:04	1

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.050	0.014	ug/L		04/10/25 12:31	04/11/25 01:41	1
Acenaphthylene	ND		0.050	0.015	ug/L		04/10/25 12:31	04/11/25 01:41	1
Anthracene	ND		0.050	0.025	ug/L		04/10/25 12:31	04/11/25 01:41	1
Benzo[a]anthracene	ND		0.050	0.016	ug/L		04/10/25 12:31	04/11/25 01:41	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		04/10/25 12:31	04/11/25 01:41	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		04/10/25 12:31	04/11/25 01:41	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		04/10/25 12:31	04/11/25 01:41	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		04/10/25 12:31	04/11/25 01:41	1
Chrysene	ND		0.050	0.030	ug/L		04/10/25 12:31	04/11/25 01:41	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		04/10/25 12:31	04/11/25 01:41	1
Fluoranthene	ND		0.050	0.039	ug/L		04/10/25 12:31	04/11/25 01:41	1
Fluorene	ND		0.050	0.012	ug/L		04/10/25 12:31	04/11/25 01:41	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		04/10/25 12:31	04/11/25 01:41	1
Naphthalene	ND		0.20	0.12	ug/L		04/10/25 12:31	04/11/25 01:41	1
Phenanthrene	ND		0.050	0.022	ug/L		04/10/25 12:31	04/11/25 01:41	1
Pyrene	ND		0.050	0.031	ug/L		04/10/25 12:31	04/11/25 01:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	93		55 - 150	04/10/25 12:31	04/11/25 01:41	1
2-Fluorobiphenyl (Surr)	83		10 - 150	04/10/25 12:31	04/11/25 01:41	1

Client Sample ID: MW-EPA-03R
Lab Sample ID: 480-228569-10
Date Collected: 04/03/25 12:20
Matrix: Water
Date Received: 04/09/25 09:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			04/11/25 07:27	1
Toluene	ND		1.0	0.51	ug/L			04/11/25 07:27	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/11/25 07:27	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			04/11/25 07:27	1
o-Xylene	ND		1.0	0.76	ug/L			04/11/25 07:27	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/11/25 07:27	1
Total BTEX	ND		2.0	1.0	ug/L			04/11/25 07:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	86		80 - 120		04/11/25 07:27	1
1,2-Dichloroethane-d4 (Surr)	94		77 - 120		04/11/25 07:27	1
4-Bromofluorobenzene (Surr)	101		73 - 120		04/11/25 07:27	1
Dibromofluoromethane (Surr)	97		75 - 123		04/11/25 07:27	1

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**2.8**		0.050	0.014	ug/L		04/10/25 12:31	04/11/25 02:02	1
Acenaphthylene	**3.6**		0.050	0.015	ug/L		04/10/25 12:31	04/11/25 02:02	1

Client: Groundwater & Environmental Services Inc | Job ID: 480-228525-1

Client Sample ID: MW-EPA-03R | **Lab Sample ID: 480-228569-10**

Date Collected: 04/03/25 12:20 | **Matrix: Water**

Date Received: 04/09/25 09:30

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		0.050	0.025	ug/L		04/10/25 12:31	04/11/25 02:02	1
Benzo[a]anthracene	ND		0.050	0.016	ug/L		04/10/25 12:31	04/11/25 02:02	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		04/10/25 12:31	04/11/25 02:02	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		04/10/25 12:31	04/11/25 02:02	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		04/10/25 12:31	04/11/25 02:02	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		04/10/25 12:31	04/11/25 02:02	1
Chrysene	ND		0.050	0.030	ug/L		04/10/25 12:31	04/11/25 02:02	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		04/10/25 12:31	04/11/25 02:02	1
Fluoranthene	ND		0.050	0.039	ug/L		04/10/25 12:31	04/11/25 02:02	1
Fluorene	**0.23**		0.050	0.012	ug/L		04/10/25 12:31	04/11/25 02:02	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		04/10/25 12:31	04/11/25 02:02	1
Naphthalene	**0.60**		0.20	0.12	ug/L		04/10/25 12:31	04/11/25 02:02	1
Phenanthrene	ND		0.050	0.022	ug/L		04/10/25 12:31	04/11/25 02:02	1
Pyrene	ND		0.050	0.031	ug/L		04/10/25 12:31	04/11/25 02:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*104*		*55 - 150*	*04/10/25 12:31*	*04/11/25 02:02*	*1*
2-Fluorobiphenyl (Surr)	*100*		*10 - 150*	*04/10/25 12:31*	*04/11/25 02:02*	*1*

Surrogate Summary

Client: Groundwater & Environmental Services Inc | Job ID: 480-228525-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water | **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DCA	BFB	DBFM
Lab Sample ID	Client Sample ID	(80-120)	(77-120)	(73-120)	(75-123)
480-228525-1	Trip Blank	96	97	96	99
480-228525-2	LTMW-06A	94	96	92	98
480-228525-3	LTMW-15	100	101	101	102
480-228525-4	LTMW-01	97	98	96	100
480-228525-5	LTMW-14	96	100	94	100
480-228525-6	MH-1	98	101	98	103
480-228569-1	Field Duplicate	91	97	97	98
480-228569-2	LTMW-02	88	94	100	95
480-228569-3	LTMW-03	86	93	99	97
480-228569-4	LTMW-04	86	98	100	98
480-228569-4 MS	LTMW-04-MS	92	94	101	91
480-228569-4 MSD	LTMW-04-MSD	91	91	102	92
480-228569-5	LTMW-05	91	92	97	91
480-228569-6	LTMW-12	91	91	94	93
480-228569-7	LTMW-13	88	93	101	95
480-228569-8	ORS	87	94	101	96
480-228569-9	MW-EPA-01R	85	102	103	99
480-228569-10	MW-EPA-03R	86	94	101	97
LCS 480-743212/6	Lab Control Sample	102	100	102	107
LCS 480-743269/6	Lab Control Sample	88	94	103	92
MB 480-743212/8	Method Blank	96	97	95	97
MB 480-743269/9	Method Blank	89	96	97	93

Surrogate Legend

TOL = Toluene-d8 (Surr)

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Matrix: Water | **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		NBZ	FBP
Lab Sample ID	Client Sample ID	(55-150)	(10-150)
480-228525-2	LTMW-06A	94	89
480-228525-3	LTMW-15	94	93
480-228525-4	LTMW-01	96	87
480-228525-5	LTMW-14	106	102
480-228525-6	MH-1	80	80
480-228569-1	Field Duplicate	96	85
480-228569-2	LTMW-02	101	91
480-228569-3	LTMW-03	110	102
480-228569-4	LTMW-04	96	84
480-228569-4 MS	LTMW-04-MS	75	84
480-228569-4 MSD	LTMW-04-MSD	71	79
480-228569-5	LTMW-05	118	107
480-228569-6	LTMW-12	87	86
480-228569-7	LTMW-13	114	104
480-228569-8	ORS	118	118
480-228569-9	MW-EPA-01R	93	83

Surrogate Summary

Client: Groundwater & Environmental Services Inc | Job ID: 480-228525-1

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Matrix: Water | **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
		NBZ	FBP								
Lab Sample ID	Client Sample ID	(55-150)	(10-150)								
480-228569-10	MW-EPA-03R	104	100								
LCS 460-1030845/2-A	Lab Control Sample	111	107								
LCS 460-1031738/4-A	Lab Control Sample	98	100								
LCSD 460-1030845/3-A	Lab Control Sample Dup	113	107								
LCSD 460-1031738/5-A	Lab Control Sample Dup	98	100								
MB 460-1030845/1-A	Method Blank	115	110								
MB 460-1031738/1-A	Method Blank	82	81								

Surrogate Legend

NBZ = Nitrobenzene-d5 (Surr)

FBP = 2-Fluorobiphenyl (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-743212/8
Matrix: Water
Analysis Batch: 743212

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			04/10/25 12:23	1
Toluene	ND		1.0	0.51	ug/L			04/10/25 12:23	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/10/25 12:23	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			04/10/25 12:23	1
o-Xylene	ND		1.0	0.76	ug/L			04/10/25 12:23	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/10/25 12:23	1
Total BTEX	ND		2.0	1.0	ug/L			04/10/25 12:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*80 - 120*		*04/10/25 12:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*04/10/25 12:23*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*04/10/25 12:23*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*04/10/25 12:23*	*1*

Lab Sample ID: LCS 480-743212/6
Matrix: Water
Analysis Batch: 743212

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	25.0	26.5		ug/L		106	71 - 124
Toluene	25.0	24.7		ug/L		99	80 - 122
Ethylbenzene	25.0	24.5		ug/L		98	77 - 123
m-Xylene & p-Xylene	25.0	25.1		ug/L		100	76 - 122
o-Xylene	25.0	25.1		ug/L		100	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*102*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*
Dibromofluoromethane (Surr)	*107*		*75 - 123*

Lab Sample ID: MB 480-743269/9
Matrix: Water
Analysis Batch: 743269

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			04/11/25 01:49	1
Toluene	ND		1.0	0.51	ug/L			04/11/25 01:49	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/11/25 01:49	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			04/11/25 01:49	1
o-Xylene	ND		1.0	0.76	ug/L			04/11/25 01:49	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/11/25 01:49	1
Total BTEX	ND		2.0	1.0	ug/L			04/11/25 01:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*89*		*80 - 120*		*04/11/25 01:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*		*04/11/25 01:49*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*04/11/25 01:49*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-743269/9
Matrix: Water
Analysis Batch: 743269

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	93		75 - 123		04/11/25 01:49	1

Lab Sample ID: LCS 480-743269/6
Matrix: Water
Analysis Batch: 743269

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			25.0	28.1		ug/L		112	71 - 124		
Toluene			25.0	25.7		ug/L		103	80 - 122		
Ethylbenzene			25.0	27.3		ug/L		109	77 - 123		
m-Xylene & p-Xylene			25.0	27.2		ug/L		109	76 - 122		
o-Xylene			25.0	25.2		ug/L		101	76 - 122		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	88		80 - 120
1,2-Dichloroethane-d4 (Surr)	94		77 - 120
4-Bromofluorobenzene (Surr)	103		73 - 120
Dibromofluoromethane (Surr)	92		75 - 123

Lab Sample ID: 480-228569-4 MS
Matrix: Water
Analysis Batch: 743269

Client Sample ID: LTMW-04-MS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	ND		25.0	29.4		ug/L		117	71 - 124		
Toluene	ND		25.0	27.2		ug/L		109	80 - 122		
Ethylbenzene	ND		25.0	28.1		ug/L		112	77 - 123		
m-Xylene & p-Xylene	ND		25.0	27.6		ug/L		110	76 - 122		
o-Xylene	ND		25.0	25.6		ug/L		102	76 - 122		

Surrogate	MS %Recovery	MS Qualifier	Limits
Toluene-d8 (Surr)	92		80 - 120
1,2-Dichloroethane-d4 (Surr)	94		77 - 120
4-Bromofluorobenzene (Surr)	101		73 - 120
Dibromofluoromethane (Surr)	91		75 - 123

Lab Sample ID: 480-228569-4 MSD
Matrix: Water
Analysis Batch: 743269

Client Sample ID: LTMW-04-MSD
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		25.0	30.5		ug/L		122	71 - 124	4	13
Toluene	ND		25.0	28.5		ug/L		114	80 - 122	5	15
Ethylbenzene	ND		25.0	29.4		ug/L		118	77 - 123	5	15
m-Xylene & p-Xylene	ND		25.0	29.1		ug/L		116	76 - 122	5	16
o-Xylene	ND		25.0	26.6		ug/L		106	76 - 122	4	16

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-228569-4 MSD **Client Sample ID: LTMW-04-MSD**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 743269

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Toluene-d8 (Surr)	*91*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*91*		*77 - 120*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*
Dibromofluoromethane (Surr)	*92*		*75 - 123*

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Lab Sample ID: MB 460-1030845/1-A **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 1030915 **Prep Batch: 1030845**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.050	0.014	ug/L		04/10/25 12:30	04/10/25 21:11	1
Acenaphthylene	ND		0.050	0.015	ug/L		04/10/25 12:30	04/10/25 21:11	1
Anthracene	ND		0.050	0.025	ug/L		04/10/25 12:30	04/10/25 21:11	1
Benzo[a]anthracene	ND		0.050	0.016	ug/L		04/10/25 12:30	04/10/25 21:11	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		04/10/25 12:30	04/10/25 21:11	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		04/10/25 12:30	04/10/25 21:11	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		04/10/25 12:30	04/10/25 21:11	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		04/10/25 12:30	04/10/25 21:11	1
Chrysene	ND		0.050	0.030	ug/L		04/10/25 12:30	04/10/25 21:11	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		04/10/25 12:30	04/10/25 21:11	1
Fluoranthene	ND		0.050	0.039	ug/L		04/10/25 12:30	04/10/25 21:11	1
Fluorene	ND		0.050	0.012	ug/L		04/10/25 12:30	04/10/25 21:11	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		04/10/25 12:30	04/10/25 21:11	1
Naphthalene	ND		0.20	0.12	ug/L		04/10/25 12:30	04/10/25 21:11	1
Phenanthrene	ND		0.050	0.022	ug/L		04/10/25 12:30	04/10/25 21:11	1
Pyrene	ND		0.050	0.031	ug/L		04/10/25 12:30	04/10/25 21:11	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	*115*		*55 - 150*	*04/10/25 12:30*	*04/10/25 21:11*	*1*
2-Fluorobiphenyl (Surr)	*110*		*10 - 150*	*04/10/25 12:30*	*04/10/25 21:11*	*1*

Lab Sample ID: LCS 460-1030845/2-A **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 1030915 **Prep Batch: 1030845**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	2.00	1.90		ug/L		95	57 - 138
Acenaphthylene	2.00	1.94		ug/L		97	36 - 150
Anthracene	2.00	1.91		ug/L		96	40 - 150
Benzo[a]anthracene	2.00	1.47		ug/L		74	56 - 150
Benzo[a]pyrene	2.00	1.18		ug/L		59	48 - 150
Benzo[b]fluoranthene	2.00	1.23		ug/L		61	39 - 150
Benzo[g,h,i]perylene	2.00	1.05		ug/L		53	13 - 150
Benzo[k]fluoranthene	2.00	1.21		ug/L		61	38 - 150
Chrysene	2.00	1.42		ug/L		71	61 - 146
Dibenz(a,h)anthracene	2.00	1.06		ug/L		53	10 - 150
Fluoranthene	2.00	1.91		ug/L		96	45 - 150

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: LCS 460-1030845/2-A **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 1030915 **Prep Batch: 1030845**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluorene	2.00	1.96		ug/L		98	40 - 150
Indeno[1,2,3-cd]pyrene	2.00	1.13		ug/L		57	10 - 150
Naphthalene	2.00	1.82		ug/L		91	61 - 134
Phenanthrene	2.00	1.95		ug/L		98	27 - 150
Pyrene	2.00	1.86		ug/L		93	57 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*111*		*55 - 150*
2-Fluorobiphenyl (Surr)	*107*		*10 - 150*

Lab Sample ID: LCSD 460-1030845/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 1030915 **Prep Batch: 1030845**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	2.00	1.90		ug/L		95	57 - 138	0	30
Acenaphthylene	2.00	1.92		ug/L		96	36 - 150	1	30
Anthracene	2.00	1.94		ug/L		97	40 - 150	2	30
Benzo[a]anthracene	2.00	1.46		ug/L		73	56 - 150	1	30
Benzo[a]pyrene	2.00	1.19		ug/L		59	48 - 150	1	30
Benzo[b]fluoranthene	2.00	1.30		ug/L		65	39 - 150	6	30
Benzo[g,h,i]perylene	2.00	1.04		ug/L		52	13 - 150	1	30
Benzo[k]fluoranthene	2.00	1.18		ug/L		59	38 - 150	3	30
Chrysene	2.00	1.40		ug/L		70	61 - 146	2	30
Dibenz(a,h)anthracene	2.00	1.05		ug/L		53	10 - 150	1	30
Fluoranthene	2.00	1.87		ug/L		94	45 - 150	2	30
Fluorene	2.00	1.95		ug/L		98	40 - 150	0	30
Indeno[1,2,3-cd]pyrene	2.00	1.13		ug/L		57	10 - 150	0	30
Naphthalene	2.00	1.82		ug/L		91	61 - 134	0	30
Phenanthrene	2.00	1.98		ug/L		99	27 - 150	1	30
Pyrene	2.00	1.86		ug/L		93	57 - 150	0	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*113*		*55 - 150*
2-Fluorobiphenyl (Surr)	*107*		*10 - 150*

Lab Sample ID: MB 460-1031738/1-A **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 1031799 **Prep Batch: 1031738**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.050	0.014	ug/L		04/15/25 11:59	04/15/25 21:19	1
Acenaphthylene	ND		0.050	0.015	ug/L		04/15/25 11:59	04/15/25 21:19	1
Anthracene	ND		0.050	0.025	ug/L		04/15/25 11:59	04/15/25 21:19	1
Benzo[a]anthracene	ND		0.050	0.016	ug/L		04/15/25 11:59	04/15/25 21:19	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		04/15/25 11:59	04/15/25 21:19	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		04/15/25 11:59	04/15/25 21:19	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		04/15/25 11:59	04/15/25 21:19	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		04/15/25 11:59	04/15/25 21:19	1

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: MB 460-1031738/1-A **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 1031799 **Prep Batch: 1031738**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND		0.050	0.030	ug/L		04/15/25 11:59	04/15/25 21:19	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		04/15/25 11:59	04/15/25 21:19	1
Fluoranthene	ND		0.050	0.039	ug/L		04/15/25 11:59	04/15/25 21:19	1
Fluorene	ND		0.050	0.012	ug/L		04/15/25 11:59	04/15/25 21:19	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		04/15/25 11:59	04/15/25 21:19	1
Naphthalene	ND		0.20	0.12	ug/L		04/15/25 11:59	04/15/25 21:19	1
Phenanthrene	ND		0.050	0.022	ug/L		04/15/25 11:59	04/15/25 21:19	1
Pyrene	ND		0.050	0.031	ug/L		04/15/25 11:59	04/15/25 21:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*82*		*55 - 150*	*04/15/25 11:59*	*04/15/25 21:19*	*1*
2-Fluorobiphenyl (Surr)	*81*		*10 - 150*	*04/15/25 11:59*	*04/15/25 21:19*	*1*

Lab Sample ID: LCS 460-1031738/4-A **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 1031799 **Prep Batch: 1031738**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	2.00	1.91		ug/L		96	57 - 138
Acenaphthylene	2.00	2.18		ug/L		109	36 - 150
Anthracene	2.00	2.16		ug/L		108	40 - 150
Benzo[a]anthracene	2.00	1.99		ug/L		100	56 - 150
Benzo[a]pyrene	2.00	1.97		ug/L		98	48 - 150
Benzo[b]fluoranthene	2.00	1.86		ug/L		93	39 - 150
Benzo[g,h,i]perylene	2.00	1.72		ug/L		86	13 - 150
Benzo[k]fluoranthene	2.00	2.02		ug/L		101	38 - 150
Chrysene	2.00	1.80		ug/L		90	61 - 146
Dibenz(a,h)anthracene	2.00	1.77		ug/L		89	10 - 150
Fluoranthene	2.00	1.95		ug/L		98	45 - 150
Fluorene	2.00	2.08		ug/L		104	40 - 150
Indeno[1,2,3-cd]pyrene	2.00	2.03		ug/L		102	10 - 150
Naphthalene	2.00	2.00		ug/L		100	61 - 134
Phenanthrene	2.00	1.88		ug/L		94	27 - 150
Pyrene	2.00	2.18		ug/L		109	57 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*98*		*55 - 150*
2-Fluorobiphenyl (Surr)	*100*		*10 - 150*

Lab Sample ID: LCSD 460-1031738/5-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 1031799 **Prep Batch: 1031738**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	2.00	1.92		ug/L		96	57 - 138	0	30
Acenaphthylene	2.00	2.15		ug/L		108	36 - 150	1	30
Anthracene	2.00	2.05		ug/L		103	40 - 150	5	30
Benzo[a]anthracene	2.00	2.01		ug/L		101	56 - 150	1	30
Benzo[a]pyrene	2.00	1.94		ug/L		97	48 - 150	1	30

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: LCSD 460-1031738/5-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 1031799 **Prep Batch: 1031738**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzo[b]fluoranthene			2.00	1.87		ug/L		94	39 - 150	1	30
Benzo[g,h,i]perylene			2.00	1.67		ug/L		83	13 - 150	3	30
Benzo[k]fluoranthene			2.00	1.97		ug/L		98	38 - 150	3	30
Chrysene			2.00	1.82		ug/L		91	61 - 146	1	30
Dibenz(a,h)anthracene			2.00	1.71		ug/L		86	10 - 150	3	30
Fluoranthene			2.00	1.94		ug/L		97	45 - 150	1	30
Fluorene			2.00	2.08		ug/L		104	40 - 150	0	30
Indeno[1,2,3-cd]pyrene			2.00	1.95		ug/L		97	10 - 150	4	30
Naphthalene			2.00	2.00		ug/L		100	61 - 134	0	30
Phenanthrene			2.00	2.02		ug/L		101	27 - 150	7	30
Pyrene			2.00	2.17		ug/L		108	57 - 150	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*98*		*55 - 150*
2-Fluorobiphenyl (Surr)	*100*		*10 - 150*

Lab Sample ID: 480-228569-4 MS **Client Sample ID: LTMW-04-MS**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 1031799 **Prep Batch: 1031738**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	ND		2.00	1.59	H	ug/L		80	57 - 138
Acenaphthylene	ND		2.00	1.76	H	ug/L		88	36 - 150
Anthracene	ND		2.00	1.74	H	ug/L		87	40 - 150
Benzo[a]anthracene	ND		2.00	1.84	H	ug/L		92	56 - 150
Benzo[a]pyrene	ND		2.00	1.78	H	ug/L		89	48 - 150
Benzo[b]fluoranthene	ND		2.00	1.93	H	ug/L		96	39 - 150
Benzo[g,h,i]perylene	ND		2.00	1.68	H	ug/L		84	13 - 150
Benzo[k]fluoranthene	ND		2.00	1.73	H	ug/L		87	38 - 150
Chrysene	ND		2.00	1.78	H	ug/L		89	61 - 146
Dibenz(a,h)anthracene	ND		2.00	1.75	H	ug/L		87	10 - 150
Fluoranthene	ND		2.00	1.77	H	ug/L		88	45 - 150
Fluorene	ND		2.00	1.77	H	ug/L		88	40 - 150
Indeno[1,2,3-cd]pyrene	ND		2.00	1.94	H	ug/L		97	10 - 150
Naphthalene	ND		2.00	1.62	H	ug/L		81	61 - 134
Phenanthrene	ND		2.00	1.73	H	ug/L		87	27 - 150
Pyrene	ND		2.00	1.88	H	ug/L		94	57 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*75*		*55 - 150*
2-Fluorobiphenyl (Surr)	*84*		*10 - 150*

Lab Sample ID: 480-228569-4 MSD **Client Sample ID: LTMW-04-MSD**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 1031799 **Prep Batch: 1031738**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	ND		2.00	1.50	H	ug/L		75	57 - 138	6	30
Acenaphthylene	ND		2.00	1.65	H	ug/L		83	36 - 150	6	30

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: 480-228569-4 MSD **Client Sample ID: LTMW-04-MSD**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 1031799 **Prep Batch: 1031738**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Anthracene	ND		2.00	1.76	H	ug/L		88	40 - 150	1	30
Benzo[a]anthracene	ND		2.00	1.66	H	ug/L		83	56 - 150	10	30
Benzo[a]pyrene	ND		2.00	1.67	H	ug/L		83	48 - 150	7	30
Benzo[b]fluoranthene	ND		2.00	1.73	H	ug/L		86	39 - 150	11	30
Benzo[g,h,i]perylene	ND		2.00	1.60	H	ug/L		80	13 - 150	5	30
Benzo[k]fluoranthene	ND		2.00	1.63	H	ug/L		82	38 - 150	6	30
Chrysene	ND		2.00	1.71	H	ug/L		85	61 - 146	4	30
Dibenz(a,h)anthracene	ND		2.00	1.65	H	ug/L		83	10 - 150	6	30
Fluoranthene	ND		2.00	1.71	H	ug/L		85	45 - 150	4	30
Fluorene	ND		2.00	1.70	H	ug/L		85	40 - 150	4	30
Indeno[1,2,3-cd]pyrene	ND		2.00	1.86	H	ug/L		93	10 - 150	4	30
Naphthalene	ND		2.00	1.54	H	ug/L		77	61 - 134	5	30
Phenanthrene	ND		2.00	1.56	H	ug/L		78	27 - 150	10	30
Pyrene	ND		2.00	1.78	H	ug/L		89	57 - 150	5	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*71*		*55 - 150*
2-Fluorobiphenyl (Surr)	*79*		*10 - 150*

GC/MS VOA

Analysis Batch: 743212

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-228525-1	Trip Blank	Total/NA	Water	8260C	
480-228525-2	LTMW-06A	Total/NA	Water	8260C	
480-228525-3	LTMW-15	Total/NA	Water	8260C	
480-228525-4	LTMW-01	Total/NA	Water	8260C	
480-228525-5	LTMW-14	Total/NA	Water	8260C	
480-228525-6	MH-1	Total/NA	Water	8260C	
MB 480-743212/8	Method Blank	Total/NA	Water	8260C	
LCS 480-743212/6	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 743269

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-228569-1	Field Duplicate	Total/NA	Water	8260C	
480-228569-2	LTMW-02	Total/NA	Water	8260C	
480-228569-3	LTMW-03	Total/NA	Water	8260C	
480-228569-4	LTMW-04	Total/NA	Water	8260C	
480-228569-5	LTMW-05	Total/NA	Water	8260C	
480-228569-6	LTMW-12	Total/NA	Water	8260C	
480-228569-7	LTMW-13	Total/NA	Water	8260C	
480-228569-8	ORS	Total/NA	Water	8260C	
480-228569-9	MW-EPA-01R	Total/NA	Water	8260C	
480-228569-10	MW-EPA-03R	Total/NA	Water	8260C	
MB 480-743269/9	Method Blank	Total/NA	Water	8260C	
LCS 480-743269/6	Lab Control Sample	Total/NA	Water	8260C	
480-228569-4 MS	LTMW-04-MS	Total/NA	Water	8260C	
480-228569-4 MSD	LTMW-04-MSD	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 1030845

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-228525-2	LTMW-06A	Total/NA	Water	3510C	
480-228525-3	LTMW-15	Total/NA	Water	3510C	
480-228525-4	LTMW-01	Total/NA	Water	3510C	
480-228525-5	LTMW-14	Total/NA	Water	3510C	
480-228525-6	MH-1	Total/NA	Water	3510C	
480-228569-1	Field Duplicate	Total/NA	Water	3510C	
480-228569-2	LTMW-02	Total/NA	Water	3510C	
480-228569-3	LTMW-03	Total/NA	Water	3510C	
480-228569-4	LTMW-04	Total/NA	Water	3510C	
480-228569-5	LTMW-05	Total/NA	Water	3510C	
480-228569-6	LTMW-12	Total/NA	Water	3510C	
480-228569-7	LTMW-13	Total/NA	Water	3510C	
480-228569-8	ORS	Total/NA	Water	3510C	
480-228569-9	MW-EPA-01R	Total/NA	Water	3510C	
480-228569-10	MW-EPA-03R	Total/NA	Water	3510C	
MB 460-1030845/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-1030845/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-1030845/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 1030915

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-228525-2	LTMW-06A	Total/NA	Water	8270E SIM	1030845

GC/MS Semi VOA (Continued)

Analysis Batch: 1030915 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-228525-3	LTMW-15	Total/NA	Water	8270E SIM	1030845
480-228525-4	LTMW-01	Total/NA	Water	8270E SIM	1030845
480-228525-5	LTMW-14	Total/NA	Water	8270E SIM	1030845
480-228525-6	MH-1	Total/NA	Water	8270E SIM	1030845
480-228569-1	Field Duplicate	Total/NA	Water	8270E SIM	1030845
480-228569-2	LTMW-02	Total/NA	Water	8270E SIM	1030845
480-228569-3	LTMW-03	Total/NA	Water	8270E SIM	1030845
480-228569-4	LTMW-04	Total/NA	Water	8270E SIM	1030845
480-228569-5	LTMW-05	Total/NA	Water	8270E SIM	1030845
480-228569-6	LTMW-12	Total/NA	Water	8270E SIM	1030845
480-228569-7	LTMW-13	Total/NA	Water	8270E SIM	1030845
480-228569-8	ORS	Total/NA	Water	8270E SIM	1030845
480-228569-9	MW-EPA-01R	Total/NA	Water	8270E SIM	1030845
480-228569-10	MW-EPA-03R	Total/NA	Water	8270E SIM	1030845
MB 460-1030845/1-A	Method Blank	Total/NA	Water	8270E SIM	1030845
LCS 460-1030845/2-A	Lab Control Sample	Total/NA	Water	8270E SIM	1030845
LCSD 460-1030845/3-A	Lab Control Sample Dup	Total/NA	Water	8270E SIM	1030845

Prep Batch: 1031738

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-1031738/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-1031738/4-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-1031738/5-A	Lab Control Sample Dup	Total/NA	Water	3510C	
480-228569-4 MS	LTMW-04-MS	Total/NA	Water	3510C	
480-228569-4 MSD	LTMW-04-MSD	Total/NA	Water	3510C	

Analysis Batch: 1031799

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-1031738/1-A	Method Blank	Total/NA	Water	8270E SIM	1031738
LCS 460-1031738/4-A	Lab Control Sample	Total/NA	Water	8270E SIM	1031738
LCSD 460-1031738/5-A	Lab Control Sample Dup	Total/NA	Water	8270E SIM	1031738
480-228569-4 MS	LTMW-04-MS	Total/NA	Water	8270E SIM	1031738
480-228569-4 MSD	LTMW-04-MSD	Total/NA	Water	8270E SIM	1031738

Lab Chronicle

Client Sample ID: Trip Blank
Lab Sample ID: 480-228525-1
Date Collected: 04/03/25 00:00
Matrix: Water
Date Received: 04/05/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	743212	LCH	EET BUF	04/10/25 15:36

Client Sample ID: LTMW-06A
Lab Sample ID: 480-228525-2
Date Collected: 04/03/25 12:45
Matrix: Water
Date Received: 04/05/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	743212	LCH	EET BUF	04/10/25 16:00
Total/NA	Prep	3510C			1030845	NMP	EET EDI	04/10/25 12:31
Total/NA	Analysis	8270E SIM		1	1030915	MME	EET EDI	04/10/25 21:32

Client Sample ID: LTMW-15
Lab Sample ID: 480-228525-3
Date Collected: 04/03/25 13:40
Matrix: Water
Date Received: 04/05/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	743212	LCH	EET BUF	04/10/25 16:24
Total/NA	Prep	3510C			1030845	NMP	EET EDI	04/10/25 12:31
Total/NA	Analysis	8270E SIM		1	1030915	MME	EET EDI	04/10/25 21:53

Client Sample ID: LTMW-01
Lab Sample ID: 480-228525-4
Date Collected: 04/03/25 15:10
Matrix: Water
Date Received: 04/05/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	743212	LCH	EET BUF	04/10/25 16:48
Total/NA	Prep	3510C			1030845	NMP	EET EDI	04/10/25 12:31
Total/NA	Analysis	8270E SIM		1	1030915	MME	EET EDI	04/10/25 22:13

Client Sample ID: LTMW-14
Lab Sample ID: 480-228525-5
Date Collected: 04/03/25 10:55
Matrix: Water
Date Received: 04/05/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	743212	LCH	EET BUF	04/10/25 17:11
Total/NA	Prep	3510C			1030845	NMP	EET EDI	04/10/25 12:31
Total/NA	Analysis	8270E SIM		1	1030915	MME	EET EDI	04/10/25 22:34

Client Sample ID: MH-1
Lab Sample ID: 480-228525-6
Date Collected: 04/03/25 14:00
Matrix: Water
Date Received: 04/05/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	743212	LCH	EET BUF	04/10/25 17:35
Total/NA	Prep	3510C			1030845	NMP	EET EDI	04/10/25 12:31
Total/NA	Analysis	8270E SIM		1	1030915	MME	EET EDI	04/10/25 22:55

Lab Chronicle

Client Sample ID: Field Duplicate
Lab Sample ID: 480-228569-1
Date Collected: 04/03/25 00:00
Matrix: Water
Date Received: 04/09/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	743269	LCH	EET BUF	04/11/25 04:04
Total/NA	Prep	3510C			1030845	NMP	EET EDI	04/10/25 12:31
Total/NA	Analysis	8270E SIM		1	1030915	MME	EET EDI	04/10/25 23:16

Client Sample ID: LTMW-02
Lab Sample ID: 480-228569-2
Date Collected: 04/03/25 14:00
Matrix: Water
Date Received: 04/09/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	743269	LCH	EET BUF	04/11/25 04:27
Total/NA	Prep	3510C			1030845	NMP	EET EDI	04/10/25 12:31
Total/NA	Analysis	8270E SIM		1	1030915	MME	EET EDI	04/10/25 23:37

Client Sample ID: LTMW-03
Lab Sample ID: 480-228569-3
Date Collected: 04/03/25 15:05
Matrix: Water
Date Received: 04/09/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	743269	LCH	EET BUF	04/11/25 04:49
Total/NA	Prep	3510C			1030845	NMP	EET EDI	04/10/25 12:31
Total/NA	Analysis	8270E SIM		1	1030915	MME	EET EDI	04/10/25 23:58

Client Sample ID: LTMW-04
Lab Sample ID: 480-228569-4
Date Collected: 04/03/25 14:10
Matrix: Water
Date Received: 04/09/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	743269	LCH	EET BUF	04/11/25 05:12
Total/NA	Prep	3510C			1030845	NMP	EET EDI	04/10/25 12:31
Total/NA	Analysis	8270E SIM		1	1030915	MME	EET EDI	04/11/25 02:23

Client Sample ID: LTMW-05
Lab Sample ID: 480-228569-5
Date Collected: 04/03/25 13:05
Matrix: Water
Date Received: 04/09/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	743269	LCH	EET BUF	04/11/25 05:34
Total/NA	Prep	3510C			1030845	NMP	EET EDI	04/10/25 12:31
Total/NA	Analysis	8270E SIM		1	1030915	MME	EET EDI	04/11/25 00:18

Client Sample ID: LTMW-12
Lab Sample ID: 480-228569-6
Date Collected: 04/03/25 10:35
Matrix: Water
Date Received: 04/09/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	743269	LCH	EET BUF	04/11/25 05:57

Lab Chronicle

Client Sample ID: LTMW-12
Lab Sample ID: 480-228569-6
Date Collected: 04/03/25 10:35
Matrix: Water
Date Received: 04/09/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			1030845	NMP	EET EDI	04/10/25 12:31
Total/NA	Analysis	8270E SIM		1	1030915	MME	EET EDI	04/11/25 00:39

Client Sample ID: LTMW-13
Lab Sample ID: 480-228569-7
Date Collected: 04/03/25 11:30
Matrix: Water
Date Received: 04/09/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	743269	LCH	EET BUF	04/11/25 06:19
Total/NA	Prep	3510C			1030845	NMP	EET EDI	04/10/25 12:31
Total/NA	Analysis	8270E SIM		1	1030915	MME	EET EDI	04/11/25 01:00

Client Sample ID: ORS
Lab Sample ID: 480-228569-8
Date Collected: 04/03/25 14:20
Matrix: Water
Date Received: 04/09/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	743269	LCH	EET BUF	04/11/25 06:42
Total/NA	Prep	3510C			1030845	NMP	EET EDI	04/10/25 12:31
Total/NA	Analysis	8270E SIM		1	1030915	MME	EET EDI	04/11/25 01:21

Client Sample ID: MW-EPA-01R
Lab Sample ID: 480-228569-9
Date Collected: 04/03/25 13:10
Matrix: Water
Date Received: 04/09/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	743269	LCH	EET BUF	04/11/25 07:04
Total/NA	Prep	3510C			1030845	NMP	EET EDI	04/10/25 12:31
Total/NA	Analysis	8270E SIM		1	1030915	MME	EET EDI	04/11/25 01:41

Client Sample ID: MW-EPA-03R
Lab Sample ID: 480-228569-10
Date Collected: 04/03/25 12:20
Matrix: Water
Date Received: 04/09/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	743269	LCH	EET BUF	04/11/25 07:27
Total/NA	Prep	3510C			1030845	NMP	EET EDI	04/10/25 12:31
Total/NA	Analysis	8270E SIM		1	1030915	MME	EET EDI	04/11/25 02:02

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: Groundwater & Environmental Services Inc | Job ID: 480-228525-1

Laboratory: Eurofins Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260C		Water	Total BTEX

Laboratory: Eurofins Edison

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Connecticut	State	PH-0818	09-30-26
DE Haz. Subst. Cleanup Act (HSCA)	State	N/A	01-03-26
Georgia	State	12028 (NJ)	07-01-25
Illinois	NELAP	2000942025-2	04-30-26
Massachusetts	State	M-NJ312	07-01-25
New Jersey	NELAP	12028	06-30-25
New York	NELAP	11452	04-02-26
Pennsylvania	NELAP	68-00522	02-27-26
Rhode Island	State	LAO00376	12-23-25
USDA	US Federal Programs	525-24-149-77606	05-21-27

Method Summary

Client: Groundwater & Environmental Services Inc

Job ID: 480-228525-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
8270E SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	EET EDI
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET EDI
5030C	Purge and Trap	SW846	EET BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: Groundwater & Environmental Services Inc
Project/Site:

Job ID: 480-228525-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-228525-1	Trip Blank	Water	04/03/25 00:00	04/05/25 10:00
480-228525-2	LTMW-06A	Water	04/03/25 12:45	04/05/25 10:00
480-228525-3	LTMW-15	Water	04/03/25 13:40	04/05/25 10:00
480-228525-4	LTMW-01	Water	04/03/25 15:10	04/05/25 10:00
480-228525-5	LTMW-14	Water	04/03/25 10:55	04/05/25 10:00
480-228525-6	MH-1	Water	04/03/25 14:00	04/05/25 10:00
480-228569-1	Field Duplicate	Water	04/03/25 00:00	04/09/25 09:30
480-228569-2	LTMW-02	Water	04/03/25 14:00	04/09/25 09:30
480-228569-3	LTMW-03	Water	04/03/25 15:05	04/09/25 09:30
480-228569-4	LTMW-04	Water	04/03/25 14:10	04/09/25 09:30
480-228569-5	LTMW-05	Water	04/03/25 13:05	04/09/25 09:30
480-228569-6	LTMW-12	Water	04/03/25 10:35	04/09/25 09:30
480-228569-7	LTMW-13	Water	04/03/25 11:30	04/09/25 09:30
480-228569-8	ORS	Water	04/03/25 14:20	04/09/25 09:30
480-228569-9	MW-EPA-01R	Water	04/03/25 13:10	04/09/25 09:30
480-228569-10	MW-EPA-03R	Water	04/03/25 12:20	04/09/25 09:30

Amherst, NY 14228-2298
Phone (716) 691-2600 Phone (716) 691-7991

Chain of Custody Record

eurofins | Environment Testing

Syracuse #225

Client Information	Sampler: Greg Ernst	Lab PM: Beninati, John	Carrier Tracking No(s):	COC No: 480-203393-40374.1
Client Contact: Tim Beaumont	Phone:	E-Mail: John.Beninati@et.eurofinsus.com	State of Origin:	Page: Page 1 of 2
Company: Groundwater & Environmental Services Inc	PWSID:			Job #:
Address: 6780 Northern Boulevard Suite 100	Due Date Requested:			
City: East Syracuse	TAT Requested (days): Standard			
State, Zip: NY, 13057	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 0603500-120788-221-1106			
Email: tbeaumont@gesonline.com	WO #:			
Project Name: Saratoga Quarterly Main Site GW Event Desc: Saratoga Main Site	Project #: 48027231			
Site: Saratoga Quarterly Main Site GWS	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL
N - None

480-228525 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - BTEX - 8260	8270E_SIM - PAH Semivolatiles	Total Number	Special Instructions/Note:
			Preservation Code:				A	N		
LTMW-01	4/3/25	1510	G	Water			2	3	5	
LTMW-02	4/3/25	1400	G	Water			2	3	5	
LTMW-03	4/3/25	1505	G	Water			2	3	5	
LTMW-04	4/3/25	1410	G	Water			2	3	5	
LTMW-04-MS	4/3/25	1410	G	Water			2	3	5	
LTMW-04-MSD	4/3/25	1410	G	Water			2	3	5	
LTMW-05	4/3/25	1305	G	Water			2	3	5	
LTMW-06A	4/3/25	1245	G	Water			2	3	5	
LTMW-12	4/3/25	1035	G	Water			2	3	5	
LTMW-13	4/3/25	1130	G	Water			2	3	5	
LTMW-14	4/3/25	1055	G	Water			2	3	5	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) CAT B DELIVERY

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		4/4/25 0930			4/4/25 9:30	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
		4/4/25, 1900			4/5/25 1000	TAS
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.7 IR IR Sc

Ver: 05/06/2024

Amherst, NY 14228-2298
Phone (716) 691-2600 Phone (716) 691-7991

Chain of Custody Record

eurofins | Environment Testing

Syracuse

#225

Client Information	Sampler: Greg Ernst	Lab PM: Beninati, John	Carrier Tracking No(s):	COC No: 480-203393-40374.2
Client Contact: Tim Beaumont	Phone:	E-Mail: John.Beninati@et.eurofinsus.com	State of Or:	Page: Page 2 of 2
Company: Groundwater & Environmental Services Inc	PWSID:	Analysis Requested		Job #:
Address: 6780 Northern Boulevard Suite 100	Due Date Requested:			Preservation Codes: A - HCL N - None
City: East Syracuse	TAT Requested (days): Standard			
State, Zip: NY, 13057	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 0603500-120788-221-1106			
Email: tbeaumont@gesonline.com	WO #:			Other:
Project Name: Saratoga Quarterly Main Site GW Event Desc: Saratoga Main Site	Project #: 48027231			
Site: Saratoga Quarterly Main Site GWS	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - BTEX - 8260	8270E_SIM - PAH Semivolatiles	Total Number of containers	Special Instructions/Note:
Preservation Code:							A	N		
LTMW-15	4/3/25	1340	G	Water			3	2	5	
ORS	4/3/25	1420	G	Water			3	2	5	
MH-1	4/3/25	1400	G	Water			3	2	5	
Field Duplicate	4/3/25	—	G	Water			3	2	5	
MW-EPA-01R	4/3/25	1310	G	Water			3	2	5	
MW-EPA-03R	4/3/25	1220	G	Water			3	2	5	
Trip Blank	Lab	Prep		Water				2	2	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) CAT B DELIVERY

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by:	Date/Time: 4/4/25 0930	Company	Received by:	Date/Time: 4/4/25 9:30	Company
Relinquished by: R. English	Date/Time: 4-4-25, 1900	Company	Received by:	Date/Time: 4/5/25 1000	Company TAS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 05/06/2024

Syracuse #225

Client Information

Client Contact: Tim Beaumont	Sampler: Greg Ernst	Lab PM: Beninati, John	Carrier Tracking No(s):	COC No: 480-203393-40374 1
Company: Groundwater & Environmental Services Inc	Phone:	E-Mail: John.Beninati@et.eurofinsus.com	State of Origin:	Page: Page 1 of 2
Address: 6780 Northern Boulevard Suite 100	PWSID:	Due Date Requested:	Analysis Requested	Job #:
City: East Syracuse		TAT Requested (days): Standard		Preservation Codes: A - HCL, N - None
State, Zip: NY, 13057		Compliance Project: Δ Yes Δ No		
Phone:		PO #: 0603500-120788-221-1106		
Email: tbeaumont@gesonline.com		WO #:		
Project Name: Saratoga Quarterly Main Site GW Event Desc: Saratoga Main Site		Project #: 48027231		
Site: Saratoga Quarterly Main Site GWS		SSOW#:		

480-228569 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - BTEX - 8260	8270E_SIM - PAH Semivolatiles	Total Number	Special Instructions/Note:
			Preservation Code:				A	N		
LTMW-01	4/3/25	1510	G	Water			2	3	5	
LTMW-02	4/3/25	1400	G	Water			2	3	5	
LTMW-03	4/3/25	1505	G	Water			2	3	5	
LTMW-04	4/3/25	1410	G	Water			2	3	5	
LTMW-04-MS	4/3/25	1410	G	Water			2	3	5	
LTMW-04-MSD	4/3/25	1410	G	Water			2	3	5	
LTMW-05	4/3/25	1305	G	Water			2	3	5	
LTMW-06A	4/3/25	1245	G	Water			2	3	5	
LTMW-12	4/3/25	1035	G	Water			2	3	5	
LTMW-13	4/3/25	1130	G	Water			2	3	5	
LTMW-14	4/3/25	1055	G	Water			2	3	5	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) CAT B DELIVERY

Special Instructions/QC Requirements:

Empty Kit Relinquished by: Date: Time: Method of Shipment:

	Date/Time	Company		Date/Time	Company
Relinquished by	4/4/25 0930		Received by	4/4/25 - 9:56	
Relinquished by	4/4/25, 1900		Received by	4/5/25 1000	TAB
Relinquished by			Received by	4/9/25 930	ET

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: Temp 4.1 4.1 IR#5c ICE

Cooler Temperature(s) °C and Other Remarks: 2.7 IR #5c

Ver: 05/06/2024

Phone (716) 691-2600 Phone (716) 691-7991

Eurofins **Syracuse** #225

Client Information	Sampler	Lab PM	Carrier Tracking No(s)	COC No
Client Contact: Tim Beaumont	Greg Ernst	Beninati, John	State of Origin:	480-203393-40374.2
Company: Groundwater & Environmental Services Inc	Phone:	E-Mail: John.Beninati@et.eurofinsus.com		Page: Page 2 of 2
Address: 6780 Northern Boulevard Suite 100	PWSID	Due Date Requested:		Job #
City: East Syracuse		TAT Requested (days): Standard		
State, Zip: NY, 13057		Compliance Project: Δ Yes Δ No		
Phone:		PO #: 0603500-120788-221-1106		
Email: tbeaumont@gesonline.com		WO #:		
Project Name: Saratoga Quarterly Main Site GW Event Desc: Saratoga Main Site		Project #: 48027231		
Site: Saratoga Quarterly Main Site GWS		SSOW#:		

Analysis Requested

Preservation Codes: A - HCL; N - None

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Ww=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	8260D (Yes or No)	8260C - BTEX - 8260	8270E_SIM - PAH Semivolatiles	Total Number of containers	Special Instructions/Note:
Preservation Code:					X	X	A	N	X	
LTMW-15	4/3/25	1340	G	Water			3	2	5	
ORS	4/3/25	1420	G	Water			3	2	5	
MH-1	4/3/25	1400	G	Water			3	2	5	
Field Duplicate	4/3/25	—	G	Water			3	2	5	
MW-EPA-01R	4/3/25	1310	G	Water			3	2	5	
MW-EPA-03R	4/3/25	1220	G	Water			3	2	5	
Trip Blank	Lab	Prep		Water				2	2	

Possible Hazard Identification

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) CAT B DELIVERY

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date	Time:	Method of Shipment
Relinquished by: [signature]	Date/Time: 4/4/25 0930	Company	Received by: [signature] Date/Time: 4/4/25 9:30 Company
Relinquished by: R. English	Date/Time: 4-4-25, 1900	Company	Received by: [signature] Date/Time: 4/5/25 1000 Company TMB
Relinquished by	Date/Time	Company	Received by: [signature] Date/Time: 4/9/25 930 Company ET

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

Ver. 05/06/2024

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691 7991

Chain of Custody Record

eurofins
Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Beninati, John	Carrier Tracking No(s): N/A	COC No: 480-92073.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: John.Beninati@et.eurofinsus.com	State of Origin: New York	Page: Page 1 of 1
Company: Eurofins Environment Testing Northeast L		Accreditations Required (See note): NELAP New York		Job #: 480-228525-1
Address: 777 New Durham Road,	Due Date Requested: 4/17/2025	Analysis Requested		Preservation Codes:
City: Edison	TAT Requested (days): N/A			
State, Zip: NJ, 08817				
Phone: 732-549-3900(Tel) 732-549-3679(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: National Grid Upstate New York OM&M	Project #: 48027231			
Site: National Grid Upstate NY OM&M	SSOW#: N/A			Other: N/A

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Wwater, Ssolid, Owaste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270E_SIM/3510C_LVI PAH Semivolatiles	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
LTMW-06A (480-228525-2)	4/3/25	12:45 Eastern	G	Water			X	2	
LTMW-15 (480-228525-3)	4/3/25	13:40 Eastern	G	Water			X	2	
LTMW-01 (480-228525-4)	4/3/25	15:10 Eastern	G	Water			X	2	
LTMW-14 (480-228525-5)	4/3/25	10:55 Eastern	G	Water			X	2	
MH-1 (480-228525-6)	4/3/25	14:00 Eastern	G	Water			X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements: Fedex

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	4-4-25 1600			4/10/25 1030	EGTO
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No. 2596858 2596860	Cooler Temperature(s) °C and Other Remarks: 1.8/1.4 1.7/2.1°C IR9

Ver 10/10/2024

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 480-228525-1

Login Number: 228525
List Number: 1
Creator: Kolb, Chris M

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	False	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	ges
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 480-228525-1

Login Number: 228525
List Number: 2
Creator: Armbruster, Chris

List Source: Eurofins Edison
List Creation: 04/10/25 11:02 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	2596858, 2596860
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.0/1.4, 1.7/2.1°C IR9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 480-228525-1

Login Number: 228569
List Number: 1
Creator: Kolb, Chris M

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	GES
Samples received within 48 hours of sampling.	False	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	True	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 480-228525-1

Login Number: 228569
List Number: 2
Creator: Armbruster, Chris

List Source: Eurofins Edison
List Creation: 04/10/25 11:02 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	2596858, 2596860
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.0/1.4, 1.7/2.1°C IR9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	False	Containers recd broken. Sufficient sample in remaining containers for analysis.
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Tim Beaumont
Groundwater & Environmental Services Inc
6780 Northern Boulevard
Suite 100
East Syracuse, New York 13057

Generated 4/15/2025 11:57:54 AM

JOB DESCRIPTION

Saratoga SA Former Skating Rink GWS

JOB NUMBER

480-228567-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization

Generated
4/15/2025 11:57:54 AM

Authorized for release by
Gale Prinster, Project Mgmt. Assistant
gale.prinster@et.eurofinsus.com
Designee for
John Beninati, Project Manager I
John.Beninati@et.eurofinsus.com
(716)504-9874

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Detection Summary 6
Client Sample Results 7
Surrogate Summary 9
QC Sample Results 10
QC Association Summary 13
Lab Chronicle 14
Certification Summary 15
Method Summary 16
Sample Summary 17
Chain of Custody 18
Receipt Checklists 20

Definitions/Glossary

Client: Groundwater & Environmental Services Inc Job ID: 480-228567-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 480-228567-1 Eurofins Buffalo

Job Narrative
480-228567-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 4/9/2025 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.9°C.

GC/MS VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: Groundwater & Environmental Services Inc

Job ID: 480-228567-1

Client Sample ID: LMTW-06

Lab Sample ID: 480-228567-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.018	J	0.050	0.014	ug/L	1		8270E SIM	Total/NA
Phenanthrene	0.035	J	0.050	0.022	ug/L	1		8270E SIM	Total/NA

Client Sample ID: LMTW-07

Lab Sample ID: 480-228567-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[b]fluoranthene	0.027	J	0.050	0.024	ug/L	1		8270E SIM	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: LMTW-06
Lab Sample ID: 480-228567-1
Date Collected: 04/03/25 11:45
Matrix: Water
Date Received: 04/09/25 09:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			04/11/25 03:19	1
Toluene	ND		1.0	0.51	ug/L			04/11/25 03:19	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/11/25 03:19	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			04/11/25 03:19	1
o-Xylene	ND		1.0	0.76	ug/L			04/11/25 03:19	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/11/25 03:19	1
Total BTEX	ND		2.0	1.0	ug/L			04/11/25 03:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*80 - 120*		*04/11/25 03:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*88*		*77 - 120*		*04/11/25 03:19*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*04/11/25 03:19*	*1*
Dibromofluoromethane (Surr)	*92*		*75 - 123*		*04/11/25 03:19*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.018**	**J**	0.050	0.014	ug/L		04/10/25 12:56	04/11/25 03:25	1
Acenaphthylene	ND		0.050	0.015	ug/L		04/10/25 12:56	04/11/25 03:25	1
Anthracene	ND		0.050	0.025	ug/L		04/10/25 12:56	04/11/25 03:25	1
Benzo[a]anthracene	ND		0.050	0.016	ug/L		04/10/25 12:56	04/11/25 03:25	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		04/10/25 12:56	04/11/25 03:25	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		04/10/25 12:56	04/11/25 03:25	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		04/10/25 12:56	04/11/25 03:25	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		04/10/25 12:56	04/11/25 03:25	1
Chrysene	ND		0.050	0.030	ug/L		04/10/25 12:56	04/11/25 03:25	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		04/10/25 12:56	04/11/25 03:25	1
Fluoranthene	ND		0.050	0.039	ug/L		04/10/25 12:56	04/11/25 03:25	1
Fluorene	ND		0.050	0.012	ug/L		04/10/25 12:56	04/11/25 03:25	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		04/10/25 12:56	04/11/25 03:25	1
Naphthalene	ND		0.20	0.12	ug/L		04/10/25 12:56	04/11/25 03:25	1
Phenanthrene	**0.035**	**J**	0.050	0.022	ug/L		04/10/25 12:56	04/11/25 03:25	1
Pyrene	ND		0.050	0.031	ug/L		04/10/25 12:56	04/11/25 03:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*100*		*55 - 150*	*04/10/25 12:56*	*04/11/25 03:25*	*1*
2-Fluorobiphenyl (Surr)	*102*		*10 - 150*	*04/10/25 12:56*	*04/11/25 03:25*	*1*

Client Sample ID: LMTW-07
Lab Sample ID: 480-228567-2
Date Collected: 04/03/25 11:00
Matrix: Water
Date Received: 04/09/25 09:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			04/11/25 03:42	1
Toluene	ND		1.0	0.51	ug/L			04/11/25 03:42	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/11/25 03:42	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			04/11/25 03:42	1
o-Xylene	ND		1.0	0.76	ug/L			04/11/25 03:42	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/11/25 03:42	1
Total BTEX	ND		2.0	1.0	ug/L			04/11/25 03:42	1

Client: Groundwater & Environmental Services Inc | Job ID: 480-228567-1

Client Sample ID: LMTW-07

Lab Sample ID: 480-228567-2

Date Collected: 04/03/25 11:00

Matrix: Water

Date Received: 04/09/25 09:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*87*		*80 - 120*		*04/11/25 03:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*77 - 120*		*04/11/25 03:42*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*04/11/25 03:42*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 123*		*04/11/25 03:42*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.050	0.014	ug/L		04/10/25 12:56	04/11/25 03:46	1
Acenaphthylene	ND		0.050	0.015	ug/L		04/10/25 12:56	04/11/25 03:46	1
Anthracene	ND		0.050	0.025	ug/L		04/10/25 12:56	04/11/25 03:46	1
Benzo[a]anthracene	ND		0.050	0.016	ug/L		04/10/25 12:56	04/11/25 03:46	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		04/10/25 12:56	04/11/25 03:46	1
Benzo[b]fluoranthene	**0.027**	**J**	0.050	0.024	ug/L		04/10/25 12:56	04/11/25 03:46	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		04/10/25 12:56	04/11/25 03:46	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		04/10/25 12:56	04/11/25 03:46	1
Chrysene	ND		0.050	0.030	ug/L		04/10/25 12:56	04/11/25 03:46	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		04/10/25 12:56	04/11/25 03:46	1
Fluoranthene	ND		0.050	0.039	ug/L		04/10/25 12:56	04/11/25 03:46	1
Fluorene	ND		0.050	0.012	ug/L		04/10/25 12:56	04/11/25 03:46	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		04/10/25 12:56	04/11/25 03:46	1
Naphthalene	ND		0.20	0.12	ug/L		04/10/25 12:56	04/11/25 03:46	1
Phenanthrene	ND		0.050	0.022	ug/L		04/10/25 12:56	04/11/25 03:46	1
Pyrene	ND		0.050	0.031	ug/L		04/10/25 12:56	04/11/25 03:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	*91*		*55 - 150*	*04/10/25 12:56*	*04/11/25 03:46*	*1*
2-Fluorobiphenyl (Surr)	*95*		*10 - 150*	*04/10/25 12:56*	*04/11/25 03:46*	*1*

Surrogate Summary

Client: Groundwater & Environmental Services Inc | Job ID: 480-228567-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water | **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DCA	BFB	DBFM
Lab Sample ID	Client Sample ID	(80-120)	(77-120)	(73-120)	(75-123)
480-228567-1	LMTW-06	92	88	97	92
480-228567-2	LMTW-07	87	93	100	93
LCS 480-743269/6	Lab Control Sample	88	94	103	92
MB 480-743269/9	Method Blank	89	96	97	93

Surrogate Legend

TOL = Toluene-d8 (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Matrix: Water | **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		NBZ	FBP
Lab Sample ID	Client Sample ID	(55-150)	(10-150)
480-228567-1	LMTW-06	100	102
480-228567-2	LMTW-07	91	95
LCS 460-1030845/2-A	Lab Control Sample	111	107
LCSD 460-1030845/3-A	Lab Control Sample Dup	113	107
MB 460-1030845/1-A	Method Blank	115	110

Surrogate Legend

NBZ = Nitrobenzene-d5 (Surr)
FBP = 2-Fluorobiphenyl (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-743269/9 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 743269

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			04/11/25 01:49	1
Toluene	ND		1.0	0.51	ug/L			04/11/25 01:49	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/11/25 01:49	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			04/11/25 01:49	1
o-Xylene	ND		1.0	0.76	ug/L			04/11/25 01:49	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/11/25 01:49	1
Total BTEX	ND		2.0	1.0	ug/L			04/11/25 01:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*89*		*80 - 120*		*04/11/25 01:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*		*04/11/25 01:49*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*04/11/25 01:49*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 123*		*04/11/25 01:49*	*1*

Lab Sample ID: LCS 480-743269/6 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 743269

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	25.0	28.1		ug/L		112	71 - 124
Toluene	25.0	25.7		ug/L		103	80 - 122
Ethylbenzene	25.0	27.3		ug/L		109	77 - 123
m-Xylene & p-Xylene	25.0	27.2		ug/L		109	76 - 122
o-Xylene	25.0	25.2		ug/L		101	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*88*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*94*		*77 - 120*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*
Dibromofluoromethane (Surr)	*92*		*75 - 123*

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Lab Sample ID: MB 460-1030845/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 1030915 — **Prep Batch: 1030845**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.050	0.014	ug/L		04/10/25 12:30	04/10/25 21:11	1
Acenaphthylene	ND		0.050	0.015	ug/L		04/10/25 12:30	04/10/25 21:11	1
Anthracene	ND		0.050	0.025	ug/L		04/10/25 12:30	04/10/25 21:11	1
Benzo[a]anthracene	ND		0.050	0.016	ug/L		04/10/25 12:30	04/10/25 21:11	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		04/10/25 12:30	04/10/25 21:11	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		04/10/25 12:30	04/10/25 21:11	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		04/10/25 12:30	04/10/25 21:11	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		04/10/25 12:30	04/10/25 21:11	1
Chrysene	ND		0.050	0.030	ug/L		04/10/25 12:30	04/10/25 21:11	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		04/10/25 12:30	04/10/25 21:11	1
Fluoranthene	ND		0.050	0.039	ug/L		04/10/25 12:30	04/10/25 21:11	1

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: MB 460-1030845/1-A **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 1030915 **Prep Batch: 1030845**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	ND		0.050	0.012	ug/L		04/10/25 12:30	04/10/25 21:11	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		04/10/25 12:30	04/10/25 21:11	1
Naphthalene	ND		0.20	0.12	ug/L		04/10/25 12:30	04/10/25 21:11	1
Phenanthrene	ND		0.050	0.022	ug/L		04/10/25 12:30	04/10/25 21:11	1
Pyrene	ND		0.050	0.031	ug/L		04/10/25 12:30	04/10/25 21:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*115*		*55 - 150*	*04/10/25 12:30*	*04/10/25 21:11*	*1*
2-Fluorobiphenyl (Surr)	*110*		*10 - 150*	*04/10/25 12:30*	*04/10/25 21:11*	*1*

Lab Sample ID: LCS 460-1030845/2-A **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 1030915 **Prep Batch: 1030845**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	2.00	1.90		ug/L		95	57 - 138
Acenaphthylene	2.00	1.94		ug/L		97	36 - 150
Anthracene	2.00	1.91		ug/L		96	40 - 150
Benzo[a]anthracene	2.00	1.47		ug/L		74	56 - 150
Benzo[a]pyrene	2.00	1.18		ug/L		59	48 - 150
Benzo[b]fluoranthene	2.00	1.23		ug/L		61	39 - 150
Benzo[g,h,i]perylene	2.00	1.05		ug/L		53	13 - 150
Benzo[k]fluoranthene	2.00	1.21		ug/L		61	38 - 150
Chrysene	2.00	1.42		ug/L		71	61 - 146
Dibenz(a,h)anthracene	2.00	1.06		ug/L		53	10 - 150
Fluoranthene	2.00	1.91		ug/L		96	45 - 150
Fluorene	2.00	1.96		ug/L		98	40 - 150
Indeno[1,2,3-cd]pyrene	2.00	1.13		ug/L		57	10 - 150
Naphthalene	2.00	1.82		ug/L		91	61 - 134
Phenanthrene	2.00	1.95		ug/L		98	27 - 150
Pyrene	2.00	1.86		ug/L		93	57 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*111*		*55 - 150*
2-Fluorobiphenyl (Surr)	*107*		*10 - 150*

Lab Sample ID: LCSD 460-1030845/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 1030915 **Prep Batch: 1030845**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	2.00	1.90		ug/L		95	57 - 138	0	30
Acenaphthylene	2.00	1.92		ug/L		96	36 - 150	1	30
Anthracene	2.00	1.94		ug/L		97	40 - 150	2	30
Benzo[a]anthracene	2.00	1.46		ug/L		73	56 - 150	1	30
Benzo[a]pyrene	2.00	1.19		ug/L		59	48 - 150	1	30
Benzo[b]fluoranthene	2.00	1.30		ug/L		65	39 - 150	6	30
Benzo[g,h,i]perylene	2.00	1.04		ug/L		52	13 - 150	1	30
Benzo[k]fluoranthene	2.00	1.18		ug/L		59	38 - 150	3	30

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: LCSD 460-1030845/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 1030915 **Prep Batch: 1030845**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chrysene			2.00	1.40		ug/L		70	61 - 146	2	30
Dibenz(a,h)anthracene			2.00	1.05		ug/L		53	10 - 150	1	30
Fluoranthene			2.00	1.87		ug/L		94	45 - 150	2	30
Fluorene			2.00	1.95		ug/L		98	40 - 150	0	30
Indeno[1,2,3-cd]pyrene			2.00	1.13		ug/L		57	10 - 150	0	30
Naphthalene			2.00	1.82		ug/L		91	61 - 134	0	30
Phenanthrene			2.00	1.98		ug/L		99	27 - 150	1	30
Pyrene			2.00	1.86		ug/L		93	57 - 150	0	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*113*		*55 - 150*
2-Fluorobiphenyl (Surr)	*107*		*10 - 150*

GC/MS VOA

Analysis Batch: 743269

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-228567-1	LMTW-06	Total/NA	Water	8260C	
480-228567-2	LMTW-07	Total/NA	Water	8260C	
MB 480-743269/9	Method Blank	Total/NA	Water	8260C	
LCS 480-743269/6	Lab Control Sample	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 1030845

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-228567-1	LMTW-06	Total/NA	Water	3510C	
480-228567-2	LMTW-07	Total/NA	Water	3510C	
MB 460-1030845/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-1030845/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-1030845/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 1030915

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-228567-1	LMTW-06	Total/NA	Water	8270E SIM	1030845
480-228567-2	LMTW-07	Total/NA	Water	8270E SIM	1030845
MB 460-1030845/1-A	Method Blank	Total/NA	Water	8270E SIM	1030845
LCS 460-1030845/2-A	Lab Control Sample	Total/NA	Water	8270E SIM	1030845
LCSD 460-1030845/3-A	Lab Control Sample Dup	Total/NA	Water	8270E SIM	1030845

Lab Chronicle

Client Sample ID: LMTW-06
Lab Sample ID: 480-228567-1

Date Collected: 04/03/25 11:45
Matrix: Water
Date Received: 04/09/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	743269	LCH	EET BUF	04/11/25 03:19
Total/NA	Prep	3510C			1030845	NMP	EET EDI	04/10/25 12:56
Total/NA	Analysis	8270E SIM		1	1030915	MME	EET EDI	04/11/25 03:25

Client Sample ID: LMTW-07
Lab Sample ID: 480-228567-2

Date Collected: 04/03/25 11:00
Matrix: Water
Date Received: 04/09/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	743269	LCH	EET BUF	04/11/25 03:42
Total/NA	Prep	3510C			1030845	NMP	EET EDI	04/10/25 12:56
Total/NA	Analysis	8270E SIM		1	1030915	MME	EET EDI	04/11/25 03:46

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: Groundwater & Environmental Services Inc

Job ID: 480-228567-1

Laboratory: Eurofins Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260C		Water	Total BTEX

Laboratory: Eurofins Edison

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Connecticut	State	PH-0818	09-30-26
DE Haz. Subst. Cleanup Act (HSCA)	State	N/A	01-03-26
Georgia	State	12028 (NJ)	07-01-25
Illinois	NELAP	2000942025-2	04-30-26
Massachusetts	State	M-NJ312	07-01-25
New Jersey	NELAP	12028	06-30-25
New York	NELAP	11452	04-02-26
Pennsylvania	NELAP	68-00522	02-27-26
Rhode Island	State	LAO00376	12-23-25
USDA	US Federal Programs	525-24-149-77606	05-21-27

Method Summary

Client: Groundwater & Environmental Services Inc

Job ID: 480-228567-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
8270E SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	EET EDI
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET EDI
5030C	Purge and Trap	SW846	EET BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: Groundwater & Environmental Services Inc
Job ID: 480-228567-1
Project/Site:

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-228567-1	LMTW-06	Water	04/03/25 11:45	04/09/25 09:30
480-228567-2	LMTW-07	Water	04/03/25 11:00	04/09/25 09:30

10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Phone (716) 691-7991

Chain of Custody Record

eurofins | Environment Testing

Syracuse #225

Client Information	Sampler: Greg Ernst	Lab PM: Beninati, John	Carrier Tracking No(s):	COC No: 480-199983-40375.1
Client Contact: Tim Beaumont	Phone:	E-Mail: John.Beninati@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: Groundwater & Environmental Services Inc	PWSID:			Job #:
Address: 6780 Northern Boulevard Suite 100	Due Date Requested:	Analysis Requested		Preservation Codes: A - HCL N - None
City: East Syracuse	TAT Requested (days): Standard			
State, Zip: NY, 13057	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 0603500-120788-221-1106			
Email: tbeaumont@gesonline.com	WO #:			
Project Name: Saratoga SA Former Skating Rink GW Event Desc: Saratoga SA	Project #: 48027231			
Site: Saratoga Former Skating Rink GWS	SSOW#:			

480-228567 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - BTEX - 8260	8270E_SIM - PAH Semivolatiles	Total Number of cc	Special Instructions/Note:
Preservation Code:							A	N		
LMTW-06	4/3/25	1145	G	Water			3	2	5	
LMTW-07	4/3/25	1100	G	Water			3	2	5	
~~LMTW-08~~	—	—	~~G~~	~~Water~~			3	2	5	

Rx = 4-4-25

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) CAT B DELIVERY

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1		4/4/25 0930			4/4/25 0930	
2	R. English	4-4-25, 1900	Eg		4/5/25 1000	TAB
3					4/9/25 930	ET

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3.9 IR #5 (FTF

Ver: 05/06/2024

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins
Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Beninati, John	Carrier Tracking No(s): N/A	COC No: 480-92068.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: John.Beninati@et.eurofinsus.com	State of Origin: New York	Page: Page 1 of 1
Company: Eurofins Environment Testing Northeast L		Accreditations Required (See note): NELAP New York		Job #: 480-228567 1
Address: 777 New Durham Road	Due Date Requested: 4/22/2025			
City: Edison	TAT Requested (days): N/A			
State, Zip: NJ 08817				
Phone: 732-549-3900(Tel) 732-549-3679(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: National Grid Upstate New York OM&M	Project #: 48027231			
Site: National Grid Upstate NY OM&M	SSOW#: N/A			

Analysis Requested

Preservation Codes:

Other: N/A

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270E_SIM/3510C_LVI PAH Semivolatiles	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
LMTW-06 (480-228567-1)	4/3/25	11:45 Eastern	G	Water			X	2	
LMTW-07 (480-228567-2)	4/3/25	11 00 Eastern	G	Water			X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested. I II, III IV Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment: Fedex

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	4-9-25 1600			4/10/25 1030	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No. 2596858 2596860	Cooler Temperature(s) °C and Other Remarks: IR9 1.0/4 1/2 1°C

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 480-228567-1

Login Number: 228567
List Number: 1
Creator: Kolb, Chris M

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	ges
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 480-228567-1

Login Number: 228567
List Number: 2
Creator: Armbruster, Chris

List Source: Eurofins Edison
List Creation: 04/10/25 11:02 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	2596858, 2596860
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.0/1.4, 1.7/2.1°C IR9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Tim Beaumont
Groundwater & Environmental Services Inc
6780 Northern Boulevard
Suite 100
East Syracuse, New York 13057

Generated 7/17/2025 12:08:51 AM

JOB DESCRIPTION

Saratoga Main Site GW Wells - Quarterly

JOB NUMBER

480-230943-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization

Generated
7/17/2025 12:08:51 AM

Authorized for release by
John Beninati, Project Manager I
John.Beninati@et.eurofinsus.com
(716)504-9874

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Detection Summary 6
Client Sample Results 8
Surrogate Summary 21
QC Sample Results 23
QC Association Summary 29
Lab Chronicle 31
Certification Summary 34
Method Summary 35
Sample Summary 36
Chain of Custody 37
Receipt Checklists 41

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 480-230943-1 Eurofins Buffalo

Job Narrative
480-230943-1

Receipt
The samples were received on 7/10/2025 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.9º C and 3.6º C.

Receipt Exceptions

One container for the following sample was received broken or leaking: Field Duplicate (480-230943-1).

GC/MS VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC/MS Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Groundwater & Environmental Services Inc | Job ID: 480-230943-1

Client Sample ID: Field Duplicate | Lab Sample ID: 480-230943-1

No Detections.

Client Sample ID: LTMW-01 | Lab Sample ID: 480-230943-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluorene	0.014	J	0.050	0.012	ug/L	1		8270E SIM	Total/NA
Phenanthrene	0.034	J	0.050	0.022	ug/L	1		8270E SIM	Total/NA

Client Sample ID: LTMW-02 | Lab Sample ID: 480-230943-3

No Detections.

Client Sample ID: LTMW-03 | Lab Sample ID: 480-230943-4

No Detections.

Client Sample ID: LTMW-04 | Lab Sample ID: 480-230943-5

No Detections.

Client Sample ID: LTMW-05 | Lab Sample ID: 480-230943-6

No Detections.

Client Sample ID: LTMW-06A | Lab Sample ID: 480-230943-7

No Detections.

Client Sample ID: LTMW-12 | Lab Sample ID: 480-230943-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.018	J	0.050	0.014	ug/L	1		8270E SIM	Total/NA
Fluoranthene	0.044	J	0.050	0.039	ug/L	1		8270E SIM	Total/NA

Client Sample ID: LTMW-13 | Lab Sample ID: 480-230943-9

No Detections.

Client Sample ID: LTMW-14 | Lab Sample ID: 480-230943-10

No Detections.

Client Sample ID: LTMW-15 | Lab Sample ID: 480-230943-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluorene	0.014	J	0.050	0.012	ug/L	1		8270E SIM	Total/NA

Client Sample ID: MH-1 | Lab Sample ID: 480-230943-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	10		1.0	0.41	ug/L	1		8260C	Total/NA
Ethylbenzene	5.1		1.0	0.74	ug/L	1		8260C	Total/NA
Total BTEX	15		2.0	1.0	ug/L	1		8260C	Total/NA
Acenaphthylene	0.044	J	0.050	0.015	ug/L	1		8270E SIM	Total/NA
Anthracene	0.060		0.050	0.025	ug/L	1		8270E SIM	Total/NA
Fluoranthene	0.19		0.050	0.039	ug/L	1		8270E SIM	Total/NA
Phenanthrene	0.022	J	0.050	0.022	ug/L	1		8270E SIM	Total/NA
Pyrene	0.54		0.050	0.031	ug/L	1		8270E SIM	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Groundwater & Environmental Services Inc | Job ID: 480-230943-1

Client Sample ID: ORS | Lab Sample ID: 480-230943-13

No Detections.

Client Sample ID: Trip Blank | Lab Sample ID: 480-230943-14

No Detections.

Client Sample ID: MW-EPA-01R | Lab Sample ID: 480-230943-15

No Detections.

Client Sample ID: MW-EPA-03R | Lab Sample ID: 480-230943-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	3.2		0.050	0.014	ug/L	1		8270E SIM	Total/NA
Acenaphthylene	4.0		0.050	0.015	ug/L	1		8270E SIM	Total/NA
Fluorene	0.18		0.050	0.012	ug/L	1		8270E SIM	Total/NA
Naphthalene	0.50		0.20	0.12	ug/L	1		8270E SIM	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: Field Duplicate

Lab Sample ID: 480-230943-1

Date Collected: 07/09/25 00:00

Matrix: Water

Date Received: 07/10/25 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			07/11/25 13:45	1
Toluene	ND		1.0	0.51	ug/L			07/11/25 13:45	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/11/25 13:45	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			07/11/25 13:45	1
o-Xylene	ND		1.0	0.76	ug/L			07/11/25 13:45	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/11/25 13:45	1
Total BTEX	ND		2.0	1.0	ug/L			07/11/25 13:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*07/11/25 13:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*07/11/25 13:45*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*07/11/25 13:45*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 123*		*07/11/25 13:45*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.050	0.014	ug/L		07/15/25 09:47	07/16/25 09:59	1
Acenaphthylene	ND		0.050	0.015	ug/L		07/15/25 09:47	07/16/25 09:59	1
Anthracene	ND		0.050	0.025	ug/L		07/15/25 09:47	07/16/25 09:59	1
Benzo[a]anthracene	ND		0.050	0.016	ug/L		07/15/25 09:47	07/16/25 09:59	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		07/15/25 09:47	07/16/25 09:59	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		07/15/25 09:47	07/16/25 09:59	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		07/15/25 09:47	07/16/25 09:59	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		07/15/25 09:47	07/16/25 09:59	1
Chrysene	ND		0.050	0.030	ug/L		07/15/25 09:47	07/16/25 09:59	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		07/15/25 09:47	07/16/25 09:59	1
Fluoranthene	ND		0.050	0.039	ug/L		07/15/25 09:47	07/16/25 09:59	1
Fluorene	ND		0.050	0.012	ug/L		07/15/25 09:47	07/16/25 09:59	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		07/15/25 09:47	07/16/25 09:59	1
Naphthalene	ND		0.20	0.12	ug/L		07/15/25 09:47	07/16/25 09:59	1
Phenanthrene	ND		0.050	0.022	ug/L		07/15/25 09:47	07/16/25 09:59	1
Pyrene	ND		0.050	0.031	ug/L		07/15/25 09:47	07/16/25 09:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*96*		*36 - 150*	*07/15/25 09:47*	*07/16/25 09:59*	*1*
2-Fluorobiphenyl (Surr)	*86*		*33 - 150*	*07/15/25 09:47*	*07/16/25 09:59*	*1*

Client Sample ID: LTMW-01

Lab Sample ID: 480-230943-2

Date Collected: 07/09/25 11:45

Matrix: Water

Date Received: 07/10/25 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			07/11/25 14:06	1
Toluene	ND		1.0	0.51	ug/L			07/11/25 14:06	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/11/25 14:06	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			07/11/25 14:06	1
o-Xylene	ND		1.0	0.76	ug/L			07/11/25 14:06	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/11/25 14:06	1
Total BTEX	ND		2.0	1.0	ug/L			07/11/25 14:06	1

Client Sample ID: LTMW-01

Lab Sample ID: 480-230943-2

Date Collected: 07/09/25 11:45

Matrix: Water

Date Received: 07/10/25 10:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*97*		*80 - 120*		*07/11/25 14:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*07/11/25 14:06*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*07/11/25 14:06*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*07/11/25 14:06*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.050	0.014	ug/L		07/15/25 09:47	07/16/25 10:21	1
Acenaphthylene	ND		0.050	0.015	ug/L		07/15/25 09:47	07/16/25 10:21	1
Anthracene	ND		0.050	0.025	ug/L		07/15/25 09:47	07/16/25 10:21	1
Benzo[a]anthracene	ND		0.050	0.016	ug/L		07/15/25 09:47	07/16/25 10:21	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		07/15/25 09:47	07/16/25 10:21	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		07/15/25 09:47	07/16/25 10:21	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		07/15/25 09:47	07/16/25 10:21	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		07/15/25 09:47	07/16/25 10:21	1
Chrysene	ND		0.050	0.030	ug/L		07/15/25 09:47	07/16/25 10:21	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		07/15/25 09:47	07/16/25 10:21	1
Fluoranthene	ND		0.050	0.039	ug/L		07/15/25 09:47	07/16/25 10:21	1
Fluorene	**0.014**	**J**	0.050	0.012	ug/L		07/15/25 09:47	07/16/25 10:21	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		07/15/25 09:47	07/16/25 10:21	1
Naphthalene	ND		0.20	0.12	ug/L		07/15/25 09:47	07/16/25 10:21	1
Phenanthrene	**0.034**	**J**	0.050	0.022	ug/L		07/15/25 09:47	07/16/25 10:21	1
Pyrene	ND		0.050	0.031	ug/L		07/15/25 09:47	07/16/25 10:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	*86*		*36 - 150*	*07/15/25 09:47*	*07/16/25 10:21*	*1*
2-Fluorobiphenyl (Surr)	*74*		*33 - 150*	*07/15/25 09:47*	*07/16/25 10:21*	*1*

Client Sample ID: LTMW-02

Lab Sample ID: 480-230943-3

Date Collected: 07/09/25 10:40

Matrix: Water

Date Received: 07/10/25 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			07/11/25 14:28	1
Toluene	ND		1.0	0.51	ug/L			07/11/25 14:28	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/11/25 14:28	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			07/11/25 14:28	1
o-Xylene	ND		1.0	0.76	ug/L			07/11/25 14:28	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/11/25 14:28	1
Total BTEX	ND		2.0	1.0	ug/L			07/11/25 14:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*97*		*80 - 120*		*07/11/25 14:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*07/11/25 14:28*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*07/11/25 14:28*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*07/11/25 14:28*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.050	0.014	ug/L		07/15/25 09:47	07/16/25 10:42	1
Acenaphthylene	ND		0.050	0.015	ug/L		07/15/25 09:47	07/16/25 10:42	1

Client Sample ID: LTMW-02

Lab Sample ID: 480-230943-3

Date Collected: 07/09/25 10:40

Matrix: Water

Date Received: 07/10/25 10:00

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		0.050	0.025	ug/L		07/15/25 09:47	07/16/25 10:42	1
Benzo[a]anthracene	ND		0.050	0.016	ug/L		07/15/25 09:47	07/16/25 10:42	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		07/15/25 09:47	07/16/25 10:42	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		07/15/25 09:47	07/16/25 10:42	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		07/15/25 09:47	07/16/25 10:42	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		07/15/25 09:47	07/16/25 10:42	1
Chrysene	ND		0.050	0.030	ug/L		07/15/25 09:47	07/16/25 10:42	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		07/15/25 09:47	07/16/25 10:42	1
Fluoranthene	ND		0.050	0.039	ug/L		07/15/25 09:47	07/16/25 10:42	1
Fluorene	ND		0.050	0.012	ug/L		07/15/25 09:47	07/16/25 10:42	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		07/15/25 09:47	07/16/25 10:42	1
Naphthalene	ND		0.20	0.12	ug/L		07/15/25 09:47	07/16/25 10:42	1
Phenanthrene	ND		0.050	0.022	ug/L		07/15/25 09:47	07/16/25 10:42	1
Pyrene	ND		0.050	0.031	ug/L		07/15/25 09:47	07/16/25 10:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*91*		*36 - 150*	*07/15/25 09:47*	*07/16/25 10:42*	*1*
2-Fluorobiphenyl (Surr)	*82*		*33 - 150*	*07/15/25 09:47*	*07/16/25 10:42*	*1*

Client Sample ID: LTMW-03

Lab Sample ID: 480-230943-4

Date Collected: 07/09/25 11:30

Matrix: Water

Date Received: 07/10/25 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			07/11/25 14:50	1
Toluene	ND		1.0	0.51	ug/L			07/11/25 14:50	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/11/25 14:50	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			07/11/25 14:50	1
o-Xylene	ND		1.0	0.76	ug/L			07/11/25 14:50	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/11/25 14:50	1
Total BTEX	ND		2.0	1.0	ug/L			07/11/25 14:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*07/11/25 14:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*07/11/25 14:50*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*07/11/25 14:50*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*07/11/25 14:50*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.050	0.014	ug/L		07/15/25 09:47	07/16/25 11:03	1
Acenaphthylene	ND		0.050	0.015	ug/L		07/15/25 09:47	07/16/25 11:03	1
Anthracene	ND		0.050	0.025	ug/L		07/15/25 09:47	07/16/25 11:03	1
Benzo[a]anthracene	ND		0.050	0.016	ug/L		07/15/25 09:47	07/16/25 11:03	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		07/15/25 09:47	07/16/25 11:03	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		07/15/25 09:47	07/16/25 11:03	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		07/15/25 09:47	07/16/25 11:03	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		07/15/25 09:47	07/16/25 11:03	1
Chrysene	ND		0.050	0.030	ug/L		07/15/25 09:47	07/16/25 11:03	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		07/15/25 09:47	07/16/25 11:03	1
Fluoranthene	ND		0.050	0.039	ug/L		07/15/25 09:47	07/16/25 11:03	1

Client Sample ID: LTMW-03

Lab Sample ID: 480-230943-4

Date Collected: 07/09/25 11:30

Matrix: Water

Date Received: 07/10/25 10:00

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	ND		0.050	0.012	ug/L		07/15/25 09:47	07/16/25 11:03	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		07/15/25 09:47	07/16/25 11:03	1
Naphthalene	ND		0.20	0.12	ug/L		07/15/25 09:47	07/16/25 11:03	1
Phenanthrene	ND		0.050	0.022	ug/L		07/15/25 09:47	07/16/25 11:03	1
Pyrene	ND		0.050	0.031	ug/L		07/15/25 09:47	07/16/25 11:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*118*		*36 - 150*	*07/15/25 09:47*	*07/16/25 11:03*	*1*
2-Fluorobiphenyl (Surr)	*103*		*33 - 150*	*07/15/25 09:47*	*07/16/25 11:03*	*1*

Client Sample ID: LTMW-04

Lab Sample ID: 480-230943-5

Date Collected: 07/09/25 12:20

Matrix: Water

Date Received: 07/10/25 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			07/11/25 15:13	1
Toluene	ND		1.0	0.51	ug/L			07/11/25 15:13	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/11/25 15:13	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			07/11/25 15:13	1
o-Xylene	ND		1.0	0.76	ug/L			07/11/25 15:13	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/11/25 15:13	1
Total BTEX	ND		2.0	1.0	ug/L			07/11/25 15:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*07/11/25 15:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*07/11/25 15:13*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*07/11/25 15:13*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*07/11/25 15:13*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.050	0.014	ug/L		07/15/25 09:47	07/16/25 11:46	1
Acenaphthylene	ND		0.050	0.015	ug/L		07/15/25 09:47	07/16/25 11:46	1
Anthracene	ND		0.050	0.025	ug/L		07/15/25 09:47	07/16/25 11:46	1
Benzo[a]anthracene	ND		0.050	0.016	ug/L		07/15/25 09:47	07/16/25 11:46	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		07/15/25 09:47	07/16/25 11:46	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		07/15/25 09:47	07/16/25 11:46	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		07/15/25 09:47	07/16/25 11:46	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		07/15/25 09:47	07/16/25 11:46	1
Chrysene	ND		0.050	0.030	ug/L		07/15/25 09:47	07/16/25 11:46	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		07/15/25 09:47	07/16/25 11:46	1
Fluoranthene	ND		0.050	0.039	ug/L		07/15/25 09:47	07/16/25 11:46	1
Fluorene	ND		0.050	0.012	ug/L		07/15/25 09:47	07/16/25 11:46	1
Indeno[1,2,3-cd]pyrene	ND	F1	0.050	0.036	ug/L		07/15/25 09:47	07/16/25 11:46	1
Naphthalene	ND		0.20	0.12	ug/L		07/15/25 09:47	07/16/25 11:46	1
Phenanthrene	ND		0.050	0.022	ug/L		07/15/25 09:47	07/16/25 11:46	1
Pyrene	ND		0.050	0.031	ug/L		07/15/25 09:47	07/16/25 11:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*128*		*36 - 150*	*07/15/25 09:47*	*07/16/25 11:46*	*1*
2-Fluorobiphenyl (Surr)	*111*		*33 - 150*	*07/15/25 09:47*	*07/16/25 11:46*	*1*

Client Sample ID: LTMW-05

Lab Sample ID: 480-230943-6

Date Collected: 07/09/25 13:25

Matrix: Water

Date Received: 07/10/25 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			07/11/25 15:35	1
Toluene	ND		1.0	0.51	ug/L			07/11/25 15:35	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/11/25 15:35	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			07/11/25 15:35	1
o-Xylene	ND		1.0	0.76	ug/L			07/11/25 15:35	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/11/25 15:35	1
Total BTEX	ND		2.0	1.0	ug/L			07/11/25 15:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*80 - 120*		*07/11/25 15:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*07/11/25 15:35*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*07/11/25 15:35*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*07/11/25 15:35*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.050	0.014	ug/L		07/15/25 09:47	07/16/25 12:07	1
Acenaphthylene	ND		0.050	0.015	ug/L		07/15/25 09:47	07/16/25 12:07	1
Anthracene	ND		0.050	0.025	ug/L		07/15/25 09:47	07/16/25 12:07	1
Benzo[a]anthracene	ND		0.050	0.016	ug/L		07/15/25 09:47	07/16/25 12:07	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		07/15/25 09:47	07/16/25 12:07	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		07/15/25 09:47	07/16/25 12:07	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		07/15/25 09:47	07/16/25 12:07	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		07/15/25 09:47	07/16/25 12:07	1
Chrysene	ND		0.050	0.030	ug/L		07/15/25 09:47	07/16/25 12:07	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		07/15/25 09:47	07/16/25 12:07	1
Fluoranthene	ND		0.050	0.039	ug/L		07/15/25 09:47	07/16/25 12:07	1
Fluorene	ND		0.050	0.012	ug/L		07/15/25 09:47	07/16/25 12:07	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		07/15/25 09:47	07/16/25 12:07	1
Naphthalene	ND		0.20	0.12	ug/L		07/15/25 09:47	07/16/25 12:07	1
Phenanthrene	ND		0.050	0.022	ug/L		07/15/25 09:47	07/16/25 12:07	1
Pyrene	ND		0.050	0.031	ug/L		07/15/25 09:47	07/16/25 12:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*95*		*36 - 150*	*07/15/25 09:47*	*07/16/25 12:07*	*1*
2-Fluorobiphenyl (Surr)	*81*		*33 - 150*	*07/15/25 09:47*	*07/16/25 12:07*	*1*

Client Sample ID: LTMW-06A

Lab Sample ID: 480-230943-7

Date Collected: 07/09/25 13:40

Matrix: Water

Date Received: 07/10/25 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			07/11/25 16:02	1
Toluene	ND		1.0	0.51	ug/L			07/11/25 16:02	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/11/25 16:02	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			07/11/25 16:02	1
o-Xylene	ND		1.0	0.76	ug/L			07/11/25 16:02	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/11/25 16:02	1
Total BTEX	ND		2.0	1.0	ug/L			07/11/25 16:02	1

Client Sample ID: LTMW-06A

Lab Sample ID: 480-230943-7

Date Collected: 07/09/25 13:40

Matrix: Water

Date Received: 07/10/25 10:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*97*		*80 - 120*		*07/11/25 16:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*07/11/25 16:02*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*07/11/25 16:02*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*07/11/25 16:02*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.050	0.014	ug/L		07/15/25 09:47	07/16/25 12:28	1
Acenaphthylene	ND		0.050	0.015	ug/L		07/15/25 09:47	07/16/25 12:28	1
Anthracene	ND		0.050	0.025	ug/L		07/15/25 09:47	07/16/25 12:28	1
Benzo[a]anthracene	ND		0.050	0.016	ug/L		07/15/25 09:47	07/16/25 12:28	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		07/15/25 09:47	07/16/25 12:28	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		07/15/25 09:47	07/16/25 12:28	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		07/15/25 09:47	07/16/25 12:28	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		07/15/25 09:47	07/16/25 12:28	1
Chrysene	ND		0.050	0.030	ug/L		07/15/25 09:47	07/16/25 12:28	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		07/15/25 09:47	07/16/25 12:28	1
Fluoranthene	ND		0.050	0.039	ug/L		07/15/25 09:47	07/16/25 12:28	1
Fluorene	ND		0.050	0.012	ug/L		07/15/25 09:47	07/16/25 12:28	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		07/15/25 09:47	07/16/25 12:28	1
Naphthalene	ND		0.20	0.12	ug/L		07/15/25 09:47	07/16/25 12:28	1
Phenanthrene	ND		0.050	0.022	ug/L		07/15/25 09:47	07/16/25 12:28	1
Pyrene	ND		0.050	0.031	ug/L		07/15/25 09:47	07/16/25 12:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	*99*		*36 - 150*	*07/15/25 09:47*	*07/16/25 12:28*	*1*
2-Fluorobiphenyl (Surr)	*85*		*33 - 150*	*07/15/25 09:47*	*07/16/25 12:28*	*1*

Client Sample ID: LTMW-12

Lab Sample ID: 480-230943-8

Date Collected: 07/09/25 16:30

Matrix: Water

Date Received: 07/10/25 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			07/11/25 16:21	1
Toluene	ND		1.0	0.51	ug/L			07/11/25 16:21	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/11/25 16:21	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			07/11/25 16:21	1
o-Xylene	ND		1.0	0.76	ug/L			07/11/25 16:21	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/11/25 16:21	1
Total BTEX	ND		2.0	1.0	ug/L			07/11/25 16:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*97*		*80 - 120*		*07/11/25 16:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*07/11/25 16:21*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*07/11/25 16:21*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*07/11/25 16:21*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.018**	**J**	0.050	0.014	ug/L		07/15/25 09:47	07/16/25 12:49	1
Acenaphthylene	ND		0.050	0.015	ug/L		07/15/25 09:47	07/16/25 12:49	1

Client Sample ID: LTMW-12

Lab Sample ID: 480-230943-8

Date Collected: 07/09/25 16:30

Matrix: Water

Date Received: 07/10/25 10:00

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		0.050	0.025	ug/L		07/15/25 09:47	07/16/25 12:49	1
Benzo[a]anthracene	ND		0.050	0.016	ug/L		07/15/25 09:47	07/16/25 12:49	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		07/15/25 09:47	07/16/25 12:49	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		07/15/25 09:47	07/16/25 12:49	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		07/15/25 09:47	07/16/25 12:49	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		07/15/25 09:47	07/16/25 12:49	1
Chrysene	ND		0.050	0.030	ug/L		07/15/25 09:47	07/16/25 12:49	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		07/15/25 09:47	07/16/25 12:49	1
Fluoranthene	**0.044**	**J**	0.050	0.039	ug/L		07/15/25 09:47	07/16/25 12:49	1
Fluorene	ND		0.050	0.012	ug/L		07/15/25 09:47	07/16/25 12:49	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		07/15/25 09:47	07/16/25 12:49	1
Naphthalene	ND		0.20	0.12	ug/L		07/15/25 09:47	07/16/25 12:49	1
Phenanthrene	ND		0.050	0.022	ug/L		07/15/25 09:47	07/16/25 12:49	1
Pyrene	ND		0.050	0.031	ug/L		07/15/25 09:47	07/16/25 12:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*99*		*36 - 150*	*07/15/25 09:47*	*07/16/25 12:49*	*1*
2-Fluorobiphenyl (Surr)	*88*		*33 - 150*	*07/15/25 09:47*	*07/16/25 12:49*	*1*

Client Sample ID: LTMW-13

Lab Sample ID: 480-230943-9

Date Collected: 07/09/25 10:40

Matrix: Water

Date Received: 07/10/25 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			07/11/25 16:53	1
Toluene	ND		1.0	0.51	ug/L			07/11/25 16:53	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/11/25 16:53	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			07/11/25 16:53	1
o-Xylene	ND		1.0	0.76	ug/L			07/11/25 16:53	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/11/25 16:53	1
Total BTEX	ND		2.0	1.0	ug/L			07/11/25 16:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*80 - 120*		*07/11/25 16:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*07/11/25 16:53*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*07/11/25 16:53*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*07/11/25 16:53*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.050	0.014	ug/L		07/15/25 09:47	07/16/25 13:11	1
Acenaphthylene	ND		0.050	0.015	ug/L		07/15/25 09:47	07/16/25 13:11	1
Anthracene	ND		0.050	0.025	ug/L		07/15/25 09:47	07/16/25 13:11	1
Benzo[a]anthracene	ND		0.050	0.016	ug/L		07/15/25 09:47	07/16/25 13:11	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		07/15/25 09:47	07/16/25 13:11	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		07/15/25 09:47	07/16/25 13:11	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		07/15/25 09:47	07/16/25 13:11	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		07/15/25 09:47	07/16/25 13:11	1
Chrysene	ND		0.050	0.030	ug/L		07/15/25 09:47	07/16/25 13:11	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		07/15/25 09:47	07/16/25 13:11	1
Fluoranthene	ND		0.050	0.039	ug/L		07/15/25 09:47	07/16/25 13:11	1

Client Sample ID: LTMW-13

Lab Sample ID: 480-230943-9

Date Collected: 07/09/25 10:40

Matrix: Water

Date Received: 07/10/25 10:00

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	ND		0.050	0.012	ug/L		07/15/25 09:47	07/16/25 13:11	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		07/15/25 09:47	07/16/25 13:11	1
Naphthalene	ND		0.20	0.12	ug/L		07/15/25 09:47	07/16/25 13:11	1
Phenanthrene	ND		0.050	0.022	ug/L		07/15/25 09:47	07/16/25 13:11	1
Pyrene	ND		0.050	0.031	ug/L		07/15/25 09:47	07/16/25 13:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*104*		*36 - 150*	*07/15/25 09:47*	*07/16/25 13:11*	*1*
2-Fluorobiphenyl (Surr)	*89*		*33 - 150*	*07/15/25 09:47*	*07/16/25 13:11*	*1*

Client Sample ID: LTMW-14

Lab Sample ID: 480-230943-10

Date Collected: 07/09/25 12:55

Matrix: Water

Date Received: 07/10/25 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			07/11/25 17:15	1
Toluene	ND		1.0	0.51	ug/L			07/11/25 17:15	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/11/25 17:15	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			07/11/25 17:15	1
o-Xylene	ND		1.0	0.76	ug/L			07/11/25 17:15	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/11/25 17:15	1
Total BTEX	ND		2.0	1.0	ug/L			07/11/25 17:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*		*07/11/25 17:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*07/11/25 17:15*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*07/11/25 17:15*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*07/11/25 17:15*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.050	0.014	ug/L		07/15/25 09:47	07/16/25 13:32	1
Acenaphthylene	ND		0.050	0.015	ug/L		07/15/25 09:47	07/16/25 13:32	1
Anthracene	ND		0.050	0.025	ug/L		07/15/25 09:47	07/16/25 13:32	1
Benzo[a]anthracene	ND		0.050	0.016	ug/L		07/15/25 09:47	07/16/25 13:32	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		07/15/25 09:47	07/16/25 13:32	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		07/15/25 09:47	07/16/25 13:32	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		07/15/25 09:47	07/16/25 13:32	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		07/15/25 09:47	07/16/25 13:32	1
Chrysene	ND		0.050	0.030	ug/L		07/15/25 09:47	07/16/25 13:32	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		07/15/25 09:47	07/16/25 13:32	1
Fluoranthene	ND		0.050	0.039	ug/L		07/15/25 09:47	07/16/25 13:32	1
Fluorene	ND		0.050	0.012	ug/L		07/15/25 09:47	07/16/25 13:32	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		07/15/25 09:47	07/16/25 13:32	1
Naphthalene	ND		0.20	0.12	ug/L		07/15/25 09:47	07/16/25 13:32	1
Phenanthrene	ND		0.050	0.022	ug/L		07/15/25 09:47	07/16/25 13:32	1
Pyrene	ND		0.050	0.031	ug/L		07/15/25 09:47	07/16/25 13:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*101*		*36 - 150*	*07/15/25 09:47*	*07/16/25 13:32*	*1*
2-Fluorobiphenyl (Surr)	*84*		*33 - 150*	*07/15/25 09:47*	*07/16/25 13:32*	*1*

Client Sample ID: LTMW-15

Lab Sample ID: 480-230943-11

Date Collected: 07/09/25 14:25

Matrix: Water

Date Received: 07/10/25 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			07/11/25 17:37	1
Toluene	ND		1.0	0.51	ug/L			07/11/25 17:37	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/11/25 17:37	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			07/11/25 17:37	1
o-Xylene	ND		1.0	0.76	ug/L			07/11/25 17:37	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/11/25 17:37	1
Total BTEX	ND		2.0	1.0	ug/L			07/11/25 17:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*07/11/25 17:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*07/11/25 17:37*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*07/11/25 17:37*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*07/11/25 17:37*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.050	0.014	ug/L		07/15/25 09:47	07/16/25 13:53	1
Acenaphthylene	ND		0.050	0.015	ug/L		07/15/25 09:47	07/16/25 13:53	1
Anthracene	ND		0.050	0.025	ug/L		07/15/25 09:47	07/16/25 13:53	1
Benzo[a]anthracene	ND		0.050	0.016	ug/L		07/15/25 09:47	07/16/25 13:53	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		07/15/25 09:47	07/16/25 13:53	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		07/15/25 09:47	07/16/25 13:53	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		07/15/25 09:47	07/16/25 13:53	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		07/15/25 09:47	07/16/25 13:53	1
Chrysene	ND		0.050	0.030	ug/L		07/15/25 09:47	07/16/25 13:53	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		07/15/25 09:47	07/16/25 13:53	1
Fluoranthene	ND		0.050	0.039	ug/L		07/15/25 09:47	07/16/25 13:53	1
Fluorene	**0.014**	**J**	0.050	0.012	ug/L		07/15/25 09:47	07/16/25 13:53	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		07/15/25 09:47	07/16/25 13:53	1
Naphthalene	ND		0.20	0.12	ug/L		07/15/25 09:47	07/16/25 13:53	1
Phenanthrene	ND		0.050	0.022	ug/L		07/15/25 09:47	07/16/25 13:53	1
Pyrene	ND		0.050	0.031	ug/L		07/15/25 09:47	07/16/25 13:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*84*		*36 - 150*	*07/15/25 09:47*	*07/16/25 13:53*	*1*
2-Fluorobiphenyl (Surr)	*67*		*33 - 150*	*07/15/25 09:47*	*07/16/25 13:53*	*1*

Client Sample ID: MH-1

Lab Sample ID: 480-230943-12

Date Collected: 07/09/25 14:45

Matrix: Water

Date Received: 07/10/25 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**10**		1.0	0.41	ug/L			07/11/25 18:01	1
Toluene	ND		1.0	0.51	ug/L			07/11/25 18:01	1
Ethylbenzene	**5.1**		1.0	0.74	ug/L			07/11/25 18:01	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			07/11/25 18:01	1
o-Xylene	ND		1.0	0.76	ug/L			07/11/25 18:01	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/11/25 18:01	1
Total BTEX	**15**		2.0	1.0	ug/L			07/11/25 18:01	1

Client Sample ID: MH-1

Lab Sample ID: 480-230943-12

Date Collected: 07/09/25 14:45

Matrix: Water

Date Received: 07/10/25 10:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*97*		*80 - 120*		*07/11/25 18:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*07/11/25 18:01*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*07/11/25 18:01*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*07/11/25 18:01*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.050	0.014	ug/L		07/15/25 09:56	07/16/25 09:39	1
Acenaphthylene	**0.044**	**J**	0.050	0.015	ug/L		07/15/25 09:56	07/16/25 09:39	1
Anthracene	**0.060**		0.050	0.025	ug/L		07/15/25 09:56	07/16/25 09:39	1
Benzo[a]anthracene	ND		0.050	0.016	ug/L		07/15/25 09:56	07/16/25 09:39	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		07/15/25 09:56	07/16/25 09:39	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		07/15/25 09:56	07/16/25 09:39	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		07/15/25 09:56	07/16/25 09:39	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		07/15/25 09:56	07/16/25 09:39	1
Chrysene	ND		0.050	0.030	ug/L		07/15/25 09:56	07/16/25 09:39	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		07/15/25 09:56	07/16/25 09:39	1
Fluoranthene	**0.19**		0.050	0.039	ug/L		07/15/25 09:56	07/16/25 09:39	1
Fluorene	ND		0.050	0.012	ug/L		07/15/25 09:56	07/16/25 09:39	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		07/15/25 09:56	07/16/25 09:39	1
Naphthalene	ND		0.20	0.12	ug/L		07/15/25 09:56	07/16/25 09:39	1
Phenanthrene	**0.022**	**J**	0.050	0.022	ug/L		07/15/25 09:56	07/16/25 09:39	1
Pyrene	**0.54**		0.050	0.031	ug/L		07/15/25 09:56	07/16/25 09:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	*107*		*36 - 150*	*07/15/25 09:56*	*07/16/25 09:39*	*1*
2-Fluorobiphenyl (Surr)	*96*		*33 - 150*	*07/15/25 09:56*	*07/16/25 09:39*	*1*

Client Sample ID: ORS

Lab Sample ID: 480-230943-13

Date Collected: 07/09/25 14:50

Matrix: Water

Date Received: 07/10/25 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			07/11/25 18:24	1
Toluene	ND		1.0	0.51	ug/L			07/11/25 18:24	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/11/25 18:24	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			07/11/25 18:24	1
o-Xylene	ND		1.0	0.76	ug/L			07/11/25 18:24	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/11/25 18:24	1
Total BTEX	ND		2.0	1.0	ug/L			07/11/25 18:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*99*		*80 - 120*		*07/11/25 18:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*07/11/25 18:24*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*07/11/25 18:24*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*07/11/25 18:24*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.050	0.014	ug/L		07/15/25 09:56	07/16/25 10:00	1
Acenaphthylene	ND		0.050	0.015	ug/L		07/15/25 09:56	07/16/25 10:00	1

Client Sample ID: ORS

Lab Sample ID: 480-230943-13

Date Collected: 07/09/25 14:50

Matrix: Water

Date Received: 07/10/25 10:00

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		0.050	0.025	ug/L		07/15/25 09:56	07/16/25 10:00	1
Benzo[a]anthracene	ND		0.050	0.016	ug/L		07/15/25 09:56	07/16/25 10:00	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		07/15/25 09:56	07/16/25 10:00	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		07/15/25 09:56	07/16/25 10:00	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		07/15/25 09:56	07/16/25 10:00	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		07/15/25 09:56	07/16/25 10:00	1
Chrysene	ND		0.050	0.030	ug/L		07/15/25 09:56	07/16/25 10:00	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		07/15/25 09:56	07/16/25 10:00	1
Fluoranthene	ND		0.050	0.039	ug/L		07/15/25 09:56	07/16/25 10:00	1
Fluorene	ND		0.050	0.012	ug/L		07/15/25 09:56	07/16/25 10:00	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		07/15/25 09:56	07/16/25 10:00	1
Naphthalene	ND		0.20	0.12	ug/L		07/15/25 09:56	07/16/25 10:00	1
Phenanthrene	ND		0.050	0.022	ug/L		07/15/25 09:56	07/16/25 10:00	1
Pyrene	ND		0.050	0.031	ug/L		07/15/25 09:56	07/16/25 10:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*96*		*36 - 150*	*07/15/25 09:56*	*07/16/25 10:00*	*1*
2-Fluorobiphenyl (Surr)	*85*		*33 - 150*	*07/15/25 09:56*	*07/16/25 10:00*	*1*

Client Sample ID: Trip Blank

Lab Sample ID: 480-230943-14

Date Collected: 07/09/25 00:00

Matrix: Water

Date Received: 07/10/25 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			07/11/25 18:54	1
Toluene	ND		1.0	0.51	ug/L			07/11/25 18:54	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/11/25 18:54	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			07/11/25 18:54	1
o-Xylene	ND		1.0	0.76	ug/L			07/11/25 18:54	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/11/25 18:54	1
Total BTEX	ND		2.0	1.0	ug/L			07/11/25 18:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*		*07/11/25 18:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*07/11/25 18:54*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*07/11/25 18:54*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*07/11/25 18:54*	*1*

Client Sample ID: MW-EPA-01R

Lab Sample ID: 480-230943-15

Date Collected: 07/09/25 14:45

Matrix: Water

Date Received: 07/10/25 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			07/11/25 19:17	1
Toluene	ND		1.0	0.51	ug/L			07/11/25 19:17	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/11/25 19:17	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			07/11/25 19:17	1
o-Xylene	ND		1.0	0.76	ug/L			07/11/25 19:17	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/11/25 19:17	1
Total BTEX	ND		2.0	1.0	ug/L			07/11/25 19:17	1

Client Sample ID: MW-EPA-01R

Lab Sample ID: 480-230943-15

Date Collected: 07/09/25 14:45

Matrix: Water

Date Received: 07/10/25 10:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*99*		*80 - 120*		*07/11/25 19:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*07/11/25 19:17*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*07/11/25 19:17*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*07/11/25 19:17*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.050	0.014	ug/L		07/15/25 09:56	07/16/25 10:22	1
Acenaphthylene	ND		0.050	0.015	ug/L		07/15/25 09:56	07/16/25 10:22	1
Anthracene	ND		0.050	0.025	ug/L		07/15/25 09:56	07/16/25 10:22	1
Benzo[a]anthracene	ND		0.050	0.016	ug/L		07/15/25 09:56	07/16/25 10:22	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		07/15/25 09:56	07/16/25 10:22	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		07/15/25 09:56	07/16/25 10:22	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		07/15/25 09:56	07/16/25 10:22	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		07/15/25 09:56	07/16/25 10:22	1
Chrysene	ND		0.050	0.030	ug/L		07/15/25 09:56	07/16/25 10:22	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		07/15/25 09:56	07/16/25 10:22	1
Fluoranthene	ND		0.050	0.039	ug/L		07/15/25 09:56	07/16/25 10:22	1
Fluorene	ND		0.050	0.012	ug/L		07/15/25 09:56	07/16/25 10:22	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		07/15/25 09:56	07/16/25 10:22	1
Naphthalene	ND		0.20	0.12	ug/L		07/15/25 09:56	07/16/25 10:22	1
Phenanthrene	ND		0.050	0.022	ug/L		07/15/25 09:56	07/16/25 10:22	1
Pyrene	ND		0.050	0.031	ug/L		07/15/25 09:56	07/16/25 10:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	*101*		*36 - 150*	*07/15/25 09:56*	*07/16/25 10:22*	*1*
2-Fluorobiphenyl (Surr)	*91*		*33 - 150*	*07/15/25 09:56*	*07/16/25 10:22*	*1*

Client Sample ID: MW-EPA-03R

Lab Sample ID: 480-230943-16

Date Collected: 07/09/25 16:05

Matrix: Water

Date Received: 07/10/25 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			07/11/25 19:39	1
Toluene	ND		1.0	0.51	ug/L			07/11/25 19:39	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/11/25 19:39	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			07/11/25 19:39	1
o-Xylene	ND		1.0	0.76	ug/L			07/11/25 19:39	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/11/25 19:39	1
Total BTEX	ND		2.0	1.0	ug/L			07/11/25 19:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*98*		*80 - 120*		*07/11/25 19:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*07/11/25 19:39*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*07/11/25 19:39*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*07/11/25 19:39*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**3.2**		0.050	0.014	ug/L		07/15/25 09:56	07/16/25 10:43	1
Acenaphthylene	**4.0**		0.050	0.015	ug/L		07/15/25 09:56	07/16/25 10:43	1

Client: Groundwater & Environmental Services Inc | Job ID: 480-230943-1

Client Sample ID: MW-EPA-03R | **Lab Sample ID: 480-230943-16**

Date Collected: 07/09/25 16:05 | **Matrix: Water**

Date Received: 07/10/25 10:00

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		0.050	0.025	ug/L		07/15/25 09:56	07/16/25 10:43	1
Benzo[a]anthracene	ND		0.050	0.016	ug/L		07/15/25 09:56	07/16/25 10:43	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		07/15/25 09:56	07/16/25 10:43	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		07/15/25 09:56	07/16/25 10:43	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		07/15/25 09:56	07/16/25 10:43	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		07/15/25 09:56	07/16/25 10:43	1
Chrysene	ND		0.050	0.030	ug/L		07/15/25 09:56	07/16/25 10:43	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		07/15/25 09:56	07/16/25 10:43	1
Fluoranthene	ND		0.050	0.039	ug/L		07/15/25 09:56	07/16/25 10:43	1
Fluorene	**0.18**		0.050	0.012	ug/L		07/15/25 09:56	07/16/25 10:43	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		07/15/25 09:56	07/16/25 10:43	1
Naphthalene	**0.50**		0.20	0.12	ug/L		07/15/25 09:56	07/16/25 10:43	1
Phenanthrene	ND		0.050	0.022	ug/L		07/15/25 09:56	07/16/25 10:43	1
Pyrene	ND		0.050	0.031	ug/L		07/15/25 09:56	07/16/25 10:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*113*		*36 - 150*	*07/15/25 09:56*	*07/16/25 10:43*	*1*
2-Fluorobiphenyl (Surr)	*110*		*33 - 150*	*07/15/25 09:56*	*07/16/25 10:43*	*1*

Surrogate Summary

Client: Groundwater & Environmental Services Inc | Job ID: 480-230943-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water | **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DCA	BFB	DBFM
Lab Sample ID	Client Sample ID	(80-120)	(77-120)	(73-120)	(75-123)
480-230943-1	Field Duplicate	97	99	99	95
480-230943-2	LTMW-01	97	101	99	99
480-230943-3	LTMW-02	97	99	99	98
480-230943-4	LTMW-03	97	99	99	97
480-230943-5	LTMW-04	97	102	100	99
480-230943-5 MS	LTMW-04-MS	102	97	97	98
480-230943-5 MSD	LTMW-04-MSD	100	97	96	97
480-230943-6	LTMW-05	96	103	101	100
480-230943-7	LTMW-06A	97	99	100	99
480-230943-8	LTMW-12	97	102	102	100
480-230943-9	LTMW-13	96	102	98	99
480-230943-10	LTMW-14	98	102	99	101
480-230943-11	LTMW-15	97	101	101	100
480-230943-12	MH-1	97	101	97	101
480-230943-13	ORS	99	101	100	99
480-230943-14	Trip Blank	98	100	101	99
480-230943-15	MW-EPA-01R	99	103	100	101
480-230943-16	MW-EPA-03R	98	103	99	101
LCS 480-751484/6	Lab Control Sample	100	100	94	98
MB 480-751484/8	Method Blank	97	99	101	98

Surrogate Legend

TOL = Toluene-d8 (Surr)

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Matrix: Water | **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		NBZ	FBP
Lab Sample ID	Client Sample ID	(36-150)	(33-150)
480-230943-1	Field Duplicate	96	86
480-230943-2	LTMW-01	86	74
480-230943-3	LTMW-02	91	82
480-230943-4	LTMW-03	118	103
480-230943-5	LTMW-04	128	111
480-230943-5 MS	LTMW-04-MS	144	140
480-230943-5 MSD	LTMW-04-MSD	105	97
480-230943-6	LTMW-05	95	81
480-230943-7	LTMW-06A	99	85
480-230943-8	LTMW-12	99	88
480-230943-9	LTMW-13	104	89
480-230943-10	LTMW-14	101	84
480-230943-11	LTMW-15	84	67
480-230943-12	MH-1	107	96
480-230943-13	ORS	96	85
480-230943-15	MW-EPA-01R	101	91
480-230943-16	MW-EPA-03R	113	110
LCS 460-1049819/4-A	Lab Control Sample	118	100

Surrogate Summary

Client: Groundwater & Environmental Services Inc | Job ID: 480-230943-1

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Matrix: Water | **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
		NBZ	FBP								
Lab Sample ID	Client Sample ID	(36-150)	(33-150)								
LCS 460-1049827/2-A	Lab Control Sample	109	111								
LCSD 460-1049819/5-A	Lab Control Sample Dup	98	84								
LCSD 460-1049827/3-A	Lab Control Sample Dup	112	112								
MB 460-1049819/1-A	Method Blank	83	75								
MB 460-1049827/1-A	Method Blank	108	94								

Surrogate Legend

NBZ = Nitrobenzene-d5 (Surr)

FBP = 2-Fluorobiphenyl (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-751484/8
Matrix: Water
Analysis Batch: 751484

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			07/11/25 12:06	1
Toluene	ND		1.0	0.51	ug/L			07/11/25 12:06	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/11/25 12:06	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			07/11/25 12:06	1
o-Xylene	ND		1.0	0.76	ug/L			07/11/25 12:06	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/11/25 12:06	1
Total BTEX	ND		2.0	1.0	ug/L			07/11/25 12:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*		*07/11/25 12:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*07/11/25 12:06*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*07/11/25 12:06*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*07/11/25 12:06*	*1*

Lab Sample ID: LCS 480-751484/6
Matrix: Water
Analysis Batch: 751484

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			25.0	23.5		ug/L		94	71 - 124		
Toluene			25.0	23.3		ug/L		93	80 - 122		
Ethylbenzene			25.0	23.8		ug/L		95	77 - 123		
m-Xylene & p-Xylene			25.0	24.0		ug/L		96	76 - 122		
o-Xylene			25.0	24.7		ug/L		99	76 - 122		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*100*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*
Dibromofluoromethane (Surr)	*98*		*75 - 123*

Lab Sample ID: 480-230943-5 MS
Matrix: Water
Analysis Batch: 751484

Client Sample ID: LTMW-04-MS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	ND		25.0	24.5		ug/L		98	71 - 124		
Toluene	ND		25.0	24.9		ug/L		99	80 - 122		
Ethylbenzene	ND		25.0	25.5		ug/L		102	77 - 123		
m-Xylene & p-Xylene	ND		25.0	26.3		ug/L		105	76 - 122		
o-Xylene	ND		25.0	26.5		ug/L		106	76 - 122		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*102*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*
Dibromofluoromethane (Surr)	*98*		*75 - 123*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-230943-5 MSD **Client Sample ID: LTMW-04-MSD**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 751484

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		25.0	24.3		ug/L		97	71 - 124	1	13
Toluene	ND		25.0	25.5		ug/L		102	80 - 122	2	15
Ethylbenzene	ND		25.0	25.8		ug/L		103	77 - 123	1	15
m-Xylene & p-Xylene	ND		25.0	26.4		ug/L		105	76 - 122	0	16
o-Xylene	ND		25.0	26.5		ug/L		106	76 - 122	0	16

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*100*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*
Dibromofluoromethane (Surr)	*97*		*75 - 123*

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Lab Sample ID: MB 460-1049819/1-A **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 1049985 **Prep Batch: 1049819**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.050	0.014	ug/L		07/15/25 09:18	07/16/25 07:51	1
Acenaphthylene	ND		0.050	0.015	ug/L		07/15/25 09:18	07/16/25 07:51	1
Anthracene	ND		0.050	0.025	ug/L		07/15/25 09:18	07/16/25 07:51	1
Benzo[a]anthracene	ND		0.050	0.016	ug/L		07/15/25 09:18	07/16/25 07:51	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		07/15/25 09:18	07/16/25 07:51	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		07/15/25 09:18	07/16/25 07:51	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		07/15/25 09:18	07/16/25 07:51	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		07/15/25 09:18	07/16/25 07:51	1
Chrysene	ND		0.050	0.030	ug/L		07/15/25 09:18	07/16/25 07:51	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		07/15/25 09:18	07/16/25 07:51	1
Fluoranthene	ND		0.050	0.039	ug/L		07/15/25 09:18	07/16/25 07:51	1
Fluorene	ND		0.050	0.012	ug/L		07/15/25 09:18	07/16/25 07:51	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		07/15/25 09:18	07/16/25 07:51	1
Naphthalene	ND		0.20	0.12	ug/L		07/15/25 09:18	07/16/25 07:51	1
Phenanthrene	ND		0.050	0.022	ug/L		07/15/25 09:18	07/16/25 07:51	1
Pyrene	ND		0.050	0.031	ug/L		07/15/25 09:18	07/16/25 07:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*83*		*36 - 150*	*07/15/25 09:18*	*07/16/25 07:51*	*1*
2-Fluorobiphenyl (Surr)	*75*		*33 - 150*	*07/15/25 09:18*	*07/16/25 07:51*	*1*

Lab Sample ID: LCS 460-1049819/4-A **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 1049985 **Prep Batch: 1049819**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	2.00	2.38		ug/L		119	42 - 150
Acenaphthylene	2.00	2.48		ug/L		124	22 - 150
Anthracene	2.00	2.72		ug/L		136	22 - 150
Benzo[a]anthracene	2.00	2.45		ug/L		122	47 - 150

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: LCS 460-1049819/4-A **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 1049985 **Prep Batch: 1049819**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzo[a]pyrene			2.00	2.35		ug/L		117	34 - 150		
Benzo[b]fluoranthene			2.00	2.51		ug/L		125	33 - 150		
Benzo[g,h,i]perylene			2.00	2.43		ug/L		121	19 - 150		
Benzo[k]fluoranthene			2.00	2.50		ug/L		125	30 - 150		
Chrysene			2.00	2.58		ug/L		129	47 - 150		
Dibenz(a,h)anthracene			2.00	2.56		ug/L		128	12 - 150		
Fluoranthene			2.00	2.58		ug/L		129	36 - 150		
Fluorene			2.00	2.54		ug/L		127	24 - 150		
Indeno[1,2,3-cd]pyrene			2.00	2.65		ug/L		132	14 - 134		
Naphthalene			2.00	2.19		ug/L		109	41 - 147		
Phenanthrene			2.00	2.62		ug/L		131	13 - 150		
Pyrene			2.00	2.76		ug/L		138	46 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*118*		*36 - 150*
2-Fluorobiphenyl (Surr)	*100*		*33 - 150*

Lab Sample ID: LCSD 460-1049819/5-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 1049985 **Prep Batch: 1049819**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene			2.00	2.04		ug/L		102	42 - 150	16	30
Acenaphthylene			2.00	1.98		ug/L		99	22 - 150	22	30
Anthracene			2.00	2.32		ug/L		116	22 - 150	16	30
Benzo[a]anthracene			2.00	2.27		ug/L		114	47 - 150	7	30
Benzo[a]pyrene			2.00	2.02		ug/L		101	34 - 150	15	30
Benzo[b]fluoranthene			2.00	2.09		ug/L		104	33 - 150	18	30
Benzo[g,h,i]perylene			2.00	2.16		ug/L		108	19 - 150	12	30
Benzo[k]fluoranthene			2.00	2.17		ug/L		108	30 - 150	14	30
Chrysene			2.00	2.14		ug/L		107	47 - 150	19	30
Dibenz(a,h)anthracene			2.00	2.29		ug/L		115	12 - 150	11	30
Fluoranthene			2.00	2.21		ug/L		111	36 - 150	15	30
Fluorene			2.00	2.10		ug/L		105	24 - 150	19	30
Indeno[1,2,3-cd]pyrene			2.00	2.34		ug/L		117	14 - 134	12	30
Naphthalene			2.00	1.76		ug/L		88	41 - 147	22	30
Phenanthrene			2.00	2.22		ug/L		111	13 - 150	17	30
Pyrene			2.00	2.34		ug/L		117	46 - 150	16	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*98*		*36 - 150*
2-Fluorobiphenyl (Surr)	*84*		*33 - 150*

Lab Sample ID: MB 460-1049827/1-A **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 1049977 **Prep Batch: 1049827**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.050	0.014	ug/L		07/15/25 09:42	07/16/25 06:27	1

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: MB 460-1049827/1-A **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 1049977 **Prep Batch: 1049827**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND		0.050	0.015	ug/L		07/15/25 09:42	07/16/25 06:27	1
Anthracene	ND		0.050	0.025	ug/L		07/15/25 09:42	07/16/25 06:27	1
Benzo[a]anthracene	ND		0.050	0.016	ug/L		07/15/25 09:42	07/16/25 06:27	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		07/15/25 09:42	07/16/25 06:27	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		07/15/25 09:42	07/16/25 06:27	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		07/15/25 09:42	07/16/25 06:27	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		07/15/25 09:42	07/16/25 06:27	1
Chrysene	ND		0.050	0.030	ug/L		07/15/25 09:42	07/16/25 06:27	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		07/15/25 09:42	07/16/25 06:27	1
Fluoranthene	ND		0.050	0.039	ug/L		07/15/25 09:42	07/16/25 06:27	1
Fluorene	ND		0.050	0.012	ug/L		07/15/25 09:42	07/16/25 06:27	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		07/15/25 09:42	07/16/25 06:27	1
Naphthalene	ND		0.20	0.12	ug/L		07/15/25 09:42	07/16/25 06:27	1
Phenanthrene	ND		0.050	0.022	ug/L		07/15/25 09:42	07/16/25 06:27	1
Pyrene	ND		0.050	0.031	ug/L		07/15/25 09:42	07/16/25 06:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*108*		*36 - 150*	*07/15/25 09:42*	*07/16/25 06:27*	*1*
2-Fluorobiphenyl (Surr)	*94*		*33 - 150*	*07/15/25 09:42*	*07/16/25 06:27*	*1*

Lab Sample ID: LCS 460-1049827/2-A **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 1049977 **Prep Batch: 1049827**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	2.00	2.10		ug/L		105	42 - 150
Acenaphthylene	2.00	2.35		ug/L		118	22 - 150
Anthracene	2.00	2.32		ug/L		116	22 - 150
Benzo[a]anthracene	2.00	2.37		ug/L		118	47 - 150
Benzo[a]pyrene	2.00	2.43		ug/L		121	34 - 150
Benzo[b]fluoranthene	2.00	2.24		ug/L		112	33 - 150
Benzo[g,h,i]perylene	2.00	2.35		ug/L		117	19 - 150
Benzo[k]fluoranthene	2.00	2.48		ug/L		124	30 - 150
Chrysene	2.00	2.24		ug/L		112	47 - 150
Dibenz(a,h)anthracene	2.00	2.41		ug/L		121	12 - 150
Fluoranthene	2.00	2.52		ug/L		126	36 - 150
Fluorene	2.00	2.28		ug/L		114	24 - 150
Indeno[1,2,3-cd]pyrene	2.00	2.56		ug/L		128	14 - 134
Naphthalene	2.00	1.98		ug/L		99	41 - 147
Phenanthrene	2.00	2.41		ug/L		121	13 - 150
Pyrene	2.00	2.26		ug/L		113	46 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*109*		*36 - 150*
2-Fluorobiphenyl (Surr)	*111*		*33 - 150*

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: LCSD 460-1049827/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 1049977 **Prep Batch: 1049827**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene			2.00	2.12		ug/L		106	42 - 150	1	30
Acenaphthylene			2.00	2.39		ug/L		119	22 - 150	2	30
Anthracene			2.00	2.25		ug/L		112	22 - 150	3	30
Benzo[a]anthracene			2.00	2.36		ug/L		118	47 - 150	0	30
Benzo[a]pyrene			2.00	2.43		ug/L		122	34 - 150	0	30
Benzo[b]fluoranthene			2.00	2.17		ug/L		108	33 - 150	3	30
Benzo[g,h,i]perylene			2.00	2.33		ug/L		116	19 - 150	1	30
Benzo[k]fluoranthene			2.00	2.47		ug/L		123	30 - 150	0	30
Chrysene			2.00	2.24		ug/L		112	47 - 150	0	30
Dibenz(a,h)anthracene			2.00	2.43		ug/L		122	12 - 150	1	30
Fluoranthene			2.00	2.42		ug/L		121	36 - 150	4	30
Fluorene			2.00	2.28		ug/L		114	24 - 150	0	30
Indeno[1,2,3-cd]pyrene			2.00	2.61		ug/L		130	14 - 134	2	30
Naphthalene			2.00	2.00		ug/L		100	41 - 147	1	30
Phenanthrene			2.00	2.33		ug/L		117	13 - 150	3	30
Pyrene			2.00	2.23		ug/L		111	46 - 150	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*112*		*36 - 150*
2-Fluorobiphenyl (Surr)	*112*		*33 - 150*

Lab Sample ID: 480-230943-5 MS **Client Sample ID: LTMW-04-MS**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 1049977 **Prep Batch: 1049827**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	ND		2.00	2.23		ug/L		112	42 - 150
Acenaphthylene	ND		2.00	2.55		ug/L		128	22 - 150
Anthracene	ND		2.00	2.56		ug/L		128	22 - 150
Benzo[a]anthracene	ND		2.00	2.74		ug/L		137	47 - 150
Benzo[a]pyrene	ND		2.00	2.70		ug/L		135	34 - 150
Benzo[b]fluoranthene	ND		2.00	2.55		ug/L		128	33 - 150
Benzo[g,h,i]perylene	ND		2.00	2.60		ug/L		130	19 - 150
Benzo[k]fluoranthene	ND		2.00	2.76		ug/L		138	30 - 150
Chrysene	ND		2.00	2.54		ug/L		127	47 - 150
Dibenz(a,h)anthracene	ND		2.00	2.75		ug/L		137	12 - 150
Fluoranthene	ND		2.00	2.75		ug/L		138	36 - 150
Fluorene	ND		2.00	2.56		ug/L		128	24 - 150
Indeno[1,2,3-cd]pyrene	ND	F1	2.00	2.95	F1	ug/L		147	14 - 134
Naphthalene	ND		2.00	2.07		ug/L		104	41 - 147
Phenanthrene	ND		2.00	2.62		ug/L		131	13 - 150
Pyrene	ND		2.00	2.56		ug/L		128	46 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*144*		*36 - 150*
2-Fluorobiphenyl (Surr)	*140*		*33 - 150*

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: 480-230943-5 MSD **Client Sample ID: LTMW-04-MSD**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 1049977 **Prep Batch: 1049827**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	ND		2.00	1.79		ug/L		90	42 - 150	22	30
Acenaphthylene	ND		2.00	2.05		ug/L		102	22 - 150	22	30
Anthracene	ND		2.00	2.04		ug/L		102	22 - 150	23	30
Benzo[a]anthracene	ND		2.00	2.17		ug/L		108	47 - 150	23	30
Benzo[a]pyrene	ND		2.00	2.11		ug/L		105	34 - 150	25	30
Benzo[b]fluoranthene	ND		2.00	1.94		ug/L		97	33 - 150	27	30
Benzo[g,h,i]perylene	ND		2.00	2.03		ug/L		102	19 - 150	25	30
Benzo[k]fluoranthene	ND		2.00	2.22		ug/L		111	30 - 150	22	30
Chrysene	ND		2.00	2.10		ug/L		105	47 - 150	19	30
Dibenz(a,h)anthracene	ND		2.00	2.09		ug/L		105	12 - 150	27	30
Fluoranthene	ND		2.00	2.25		ug/L		112	36 - 150	20	30
Fluorene	ND		2.00	2.02		ug/L		101	24 - 150	23	30
Indeno[1,2,3-cd]pyrene	ND	F1	2.00	2.27		ug/L		113	14 - 134	26	30
Naphthalene	ND		2.00	1.53		ug/L		77	41 - 147	30	30
Phenanthrene	ND		2.00	2.08		ug/L		104	13 - 150	23	30
Pyrene	ND		2.00	2.09		ug/L		104	46 - 150	20	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*105*		*36 - 150*
2-Fluorobiphenyl (Surr)	*97*		*33 - 150*

GC/MS VOA

Analysis Batch: 751484

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-230943-1	Field Duplicate	Total/NA	Water	8260C	
480-230943-2	LTMW-01	Total/NA	Water	8260C	
480-230943-3	LTMW-02	Total/NA	Water	8260C	
480-230943-4	LTMW-03	Total/NA	Water	8260C	
480-230943-5	LTMW-04	Total/NA	Water	8260C	
480-230943-6	LTMW-05	Total/NA	Water	8260C	
480-230943-7	LTMW-06A	Total/NA	Water	8260C	
480-230943-8	LTMW-12	Total/NA	Water	8260C	
480-230943-9	LTMW-13	Total/NA	Water	8260C	
480-230943-10	LTMW-14	Total/NA	Water	8260C	
480-230943-11	LTMW-15	Total/NA	Water	8260C	
480-230943-12	MH-1	Total/NA	Water	8260C	
480-230943-13	ORS	Total/NA	Water	8260C	
480-230943-14	Trip Blank	Total/NA	Water	8260C	
480-230943-15	MW-EPA-01R	Total/NA	Water	8260C	
480-230943-16	MW-EPA-03R	Total/NA	Water	8260C	
MB 480-751484/8	Method Blank	Total/NA	Water	8260C	
LCS 480-751484/6	Lab Control Sample	Total/NA	Water	8260C	
480-230943-5 MS	LTMW-04-MS	Total/NA	Water	8260C	
480-230943-5 MSD	LTMW-04-MSD	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 1049819

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-230943-12	MH-1	Total/NA	Water	3510C	
480-230943-13	ORS	Total/NA	Water	3510C	
480-230943-15	MW-EPA-01R	Total/NA	Water	3510C	
480-230943-16	MW-EPA-03R	Total/NA	Water	3510C	
MB 460-1049819/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-1049819/4-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-1049819/5-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Prep Batch: 1049827

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-230943-1	Field Duplicate	Total/NA	Water	3510C	
480-230943-2	LTMW-01	Total/NA	Water	3510C	
480-230943-3	LTMW-02	Total/NA	Water	3510C	
480-230943-4	LTMW-03	Total/NA	Water	3510C	
480-230943-5	LTMW-04	Total/NA	Water	3510C	
480-230943-6	LTMW-05	Total/NA	Water	3510C	
480-230943-7	LTMW-06A	Total/NA	Water	3510C	
480-230943-8	LTMW-12	Total/NA	Water	3510C	
480-230943-9	LTMW-13	Total/NA	Water	3510C	
480-230943-10	LTMW-14	Total/NA	Water	3510C	
480-230943-11	LTMW-15	Total/NA	Water	3510C	
MB 460-1049827/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-1049827/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-1049827/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
480-230943-5 MS	LTMW-04-MS	Total/NA	Water	3510C	
480-230943-5 MSD	LTMW-04-MSD	Total/NA	Water	3510C	

GC/MS Semi VOA

Analysis Batch: 1049977

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-230943-1	Field Duplicate	Total/NA	Water	8270E SIM	1049827
480-230943-2	LTMW-01	Total/NA	Water	8270E SIM	1049827
480-230943-3	LTMW-02	Total/NA	Water	8270E SIM	1049827
480-230943-4	LTMW-03	Total/NA	Water	8270E SIM	1049827
480-230943-5	LTMW-04	Total/NA	Water	8270E SIM	1049827
480-230943-6	LTMW-05	Total/NA	Water	8270E SIM	1049827
480-230943-7	LTMW-06A	Total/NA	Water	8270E SIM	1049827
480-230943-8	LTMW-12	Total/NA	Water	8270E SIM	1049827
480-230943-9	LTMW-13	Total/NA	Water	8270E SIM	1049827
480-230943-10	LTMW-14	Total/NA	Water	8270E SIM	1049827
480-230943-11	LTMW-15	Total/NA	Water	8270E SIM	1049827
MB 460-1049827/1-A	Method Blank	Total/NA	Water	8270E SIM	1049827
LCS 460-1049827/2-A	Lab Control Sample	Total/NA	Water	8270E SIM	1049827
LCSD 460-1049827/3-A	Lab Control Sample Dup	Total/NA	Water	8270E SIM	1049827
480-230943-5 MS	LTMW-04-MS	Total/NA	Water	8270E SIM	1049827
480-230943-5 MSD	LTMW-04-MSD	Total/NA	Water	8270E SIM	1049827

Analysis Batch: 1049985

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-230943-12	MH-1	Total/NA	Water	8270E SIM	1049819
480-230943-13	ORS	Total/NA	Water	8270E SIM	1049819
480-230943-15	MW-EPA-01R	Total/NA	Water	8270E SIM	1049819
480-230943-16	MW-EPA-03R	Total/NA	Water	8270E SIM	1049819
MB 460-1049819/1-A	Method Blank	Total/NA	Water	8270E SIM	1049819
LCS 460-1049819/4-A	Lab Control Sample	Total/NA	Water	8270E SIM	1049819
LCSD 460-1049819/5-A	Lab Control Sample Dup	Total/NA	Water	8270E SIM	1049819

Lab Chronicle

Client Sample ID: Field Duplicate
Lab Sample ID: 480-230943-1
Date Collected: 07/09/25 00:00
Matrix: Water
Date Received: 07/10/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	751484	AXK	EET BUF	07/11/25 13:45
Total/NA	Prep	3510C			1049827	SXS	EET EDI	07/15/25 09:47
Total/NA	Analysis	8270E SIM		1	1049977	DXD	EET EDI	07/16/25 09:59

Client Sample ID: LTMW-01
Lab Sample ID: 480-230943-2
Date Collected: 07/09/25 11:45
Matrix: Water
Date Received: 07/10/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	751484	AXK	EET BUF	07/11/25 14:06
Total/NA	Prep	3510C			1049827	SXS	EET EDI	07/15/25 09:47
Total/NA	Analysis	8270E SIM		1	1049977	DXD	EET EDI	07/16/25 10:21

Client Sample ID: LTMW-02
Lab Sample ID: 480-230943-3
Date Collected: 07/09/25 10:40
Matrix: Water
Date Received: 07/10/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	751484	AXK	EET BUF	07/11/25 14:28
Total/NA	Prep	3510C			1049827	SXS	EET EDI	07/15/25 09:47
Total/NA	Analysis	8270E SIM		1	1049977	DXD	EET EDI	07/16/25 10:42

Client Sample ID: LTMW-03
Lab Sample ID: 480-230943-4
Date Collected: 07/09/25 11:30
Matrix: Water
Date Received: 07/10/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	751484	AXK	EET BUF	07/11/25 14:50
Total/NA	Prep	3510C			1049827	SXS	EET EDI	07/15/25 09:47
Total/NA	Analysis	8270E SIM		1	1049977	DXD	EET EDI	07/16/25 11:03

Client Sample ID: LTMW-04
Lab Sample ID: 480-230943-5
Date Collected: 07/09/25 12:20
Matrix: Water
Date Received: 07/10/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	751484	AXK	EET BUF	07/11/25 15:13
Total/NA	Prep	3510C			1049827	SXS	EET EDI	07/15/25 09:47
Total/NA	Analysis	8270E SIM		1	1049977	DXD	EET EDI	07/16/25 11:46

Client Sample ID: LTMW-05
Lab Sample ID: 480-230943-6
Date Collected: 07/09/25 13:25
Matrix: Water
Date Received: 07/10/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	751484	AXK	EET BUF	07/11/25 15:35

Lab Chronicle

Client Sample ID: LTMW-05
Lab Sample ID: 480-230943-6
Date Collected: 07/09/25 13:25
Matrix: Water
Date Received: 07/10/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			1049827	SXS	EET EDI	07/15/25 09:47
Total/NA	Analysis	8270E SIM		1	1049977	DXD	EET EDI	07/16/25 12:07

Client Sample ID: LTMW-06A
Lab Sample ID: 480-230943-7
Date Collected: 07/09/25 13:40
Matrix: Water
Date Received: 07/10/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	751484	AXK	EET BUF	07/11/25 16:02
Total/NA	Prep	3510C			1049827	SXS	EET EDI	07/15/25 09:47
Total/NA	Analysis	8270E SIM		1	1049977	DXD	EET EDI	07/16/25 12:28

Client Sample ID: LTMW-12
Lab Sample ID: 480-230943-8
Date Collected: 07/09/25 16:30
Matrix: Water
Date Received: 07/10/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	751484	AXK	EET BUF	07/11/25 16:21
Total/NA	Prep	3510C			1049827	SXS	EET EDI	07/15/25 09:47
Total/NA	Analysis	8270E SIM		1	1049977	DXD	EET EDI	07/16/25 12:49

Client Sample ID: LTMW-13
Lab Sample ID: 480-230943-9
Date Collected: 07/09/25 10:40
Matrix: Water
Date Received: 07/10/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	751484	AXK	EET BUF	07/11/25 16:53
Total/NA	Prep	3510C			1049827	SXS	EET EDI	07/15/25 09:47
Total/NA	Analysis	8270E SIM		1	1049977	DXD	EET EDI	07/16/25 13:11

Client Sample ID: LTMW-14
Lab Sample ID: 480-230943-10
Date Collected: 07/09/25 12:55
Matrix: Water
Date Received: 07/10/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	751484	AXK	EET BUF	07/11/25 17:15
Total/NA	Prep	3510C			1049827	SXS	EET EDI	07/15/25 09:47
Total/NA	Analysis	8270E SIM		1	1049977	DXD	EET EDI	07/16/25 13:32

Client Sample ID: LTMW-15
Lab Sample ID: 480-230943-11
Date Collected: 07/09/25 14:25
Matrix: Water
Date Received: 07/10/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	751484	AXK	EET BUF	07/11/25 17:37
Total/NA	Prep	3510C			1049827	SXS	EET EDI	07/15/25 09:47
Total/NA	Analysis	8270E SIM		1	1049977	DXD	EET EDI	07/16/25 13:53

Lab Chronicle

Client Sample ID: MH-1
Lab Sample ID: 480-230943-12

Date Collected: 07/09/25 14:45
Matrix: Water
Date Received: 07/10/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	751484	AXK	EET BUF	07/11/25 18:01
Total/NA	Prep	3510C			1049819	SXS	EET EDI	07/15/25 09:56
Total/NA	Analysis	8270E SIM		1	1049985	DXD	EET EDI	07/16/25 09:39

Client Sample ID: ORS
Lab Sample ID: 480-230943-13

Date Collected: 07/09/25 14:50
Matrix: Water
Date Received: 07/10/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	751484	AXK	EET BUF	07/11/25 18:24
Total/NA	Prep	3510C			1049819	SXS	EET EDI	07/15/25 09:56
Total/NA	Analysis	8270E SIM		1	1049985	DXD	EET EDI	07/16/25 10:00

Client Sample ID: Trip Blank
Lab Sample ID: 480-230943-14

Date Collected: 07/09/25 00:00
Matrix: Water
Date Received: 07/10/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	751484	AXK	EET BUF	07/11/25 18:54

Client Sample ID: MW-EPA-01R
Lab Sample ID: 480-230943-15

Date Collected: 07/09/25 14:45
Matrix: Water
Date Received: 07/10/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	751484	AXK	EET BUF	07/11/25 19:17
Total/NA	Prep	3510C			1049819	SXS	EET EDI	07/15/25 09:56
Total/NA	Analysis	8270E SIM		1	1049985	DXD	EET EDI	07/16/25 10:22

Client Sample ID: MW-EPA-03R
Lab Sample ID: 480-230943-16

Date Collected: 07/09/25 16:05
Matrix: Water
Date Received: 07/10/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	751484	AXK	EET BUF	07/11/25 19:39
Total/NA	Prep	3510C			1049819	SXS	EET EDI	07/15/25 09:56
Total/NA	Analysis	8270E SIM		1	1049985	DXD	EET EDI	07/16/25 10:43

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: Groundwater & Environmental Services Inc

Job ID: 480-230943-1

Laboratory: Eurofins Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	07-15-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260C		Water	Total BTEX

Laboratory: Eurofins Edison

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Connecticut	State	PH-0818	09-30-26
DE Haz. Subst. Cleanup Act (HSCA)	State	N/A	01-03-26
Illinois	NELAP	2000942025-2	04-30-26
Massachusetts	State	M-NJ312	06-30-26
New Jersey	NELAP	12028	06-30-26
New York	NELAP	11452	03-31-26
Pennsylvania	NELAP	68-00522	02-28-26
Rhode Island	State	LAO00376	12-23-25
USDA	US Federal Programs	525-24-149-77606	05-21-27

Method Summary

Client: Groundwater & Environmental Services Inc

Job ID: 480-230943-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
8270E SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	EET EDI
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET EDI
5030C	Purge and Trap	SW846	EET BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: Groundwater & Environmental Services Inc
Project/Site:

Job ID: 480-230943-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-230943-1	Field Duplicate	Water	07/09/25 00:00	07/10/25 10:00
480-230943-2	LTMW-01	Water	07/09/25 11:45	07/10/25 10:00
480-230943-3	LTMW-02	Water	07/09/25 10:40	07/10/25 10:00
480-230943-4	LTMW-03	Water	07/09/25 11:30	07/10/25 10:00
480-230943-5	LTMW-04	Water	07/09/25 12:20	07/10/25 10:00
480-230943-6	LTMW-05	Water	07/09/25 13:25	07/10/25 10:00
480-230943-7	LTMW-06A	Water	07/09/25 13:40	07/10/25 10:00
480-230943-8	LTMW-12	Water	07/09/25 16:30	07/10/25 10:00
480-230943-9	LTMW-13	Water	07/09/25 10:40	07/10/25 10:00
480-230943-10	LTMW-14	Water	07/09/25 12:55	07/10/25 10:00
480-230943-11	LTMW-15	Water	07/09/25 14:25	07/10/25 10:00
480-230943-12	MH-1	Water	07/09/25 14:45	07/10/25 10:00
480-230943-13	ORS	Water	07/09/25 14:50	07/10/25 10:00
480-230943-14	Trip Blank	Water	07/09/25 00:00	07/10/25 10:00
480-230943-15	MW-EPA-01R	Water	07/09/25 14:45	07/10/25 10:00
480-230943-16	MW-EPA-03R	Water	07/09/25 16:05	07/10/25 10:00

Phone (716) 691-2600 Phone (716) 691-7991

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: KEVIN LEO	Lab PM: Beninati, John	Carrier Tracking No(s):	COC No: 480-203393-40374.1
Client Contact: Tim Beaumont	Phone: 315 877 1369	E-Mail: John.Beninati@et.eurofinsus.com	State of Origin:	Page: Page 1 of 2
Company: Groundwater & Environmental Services Inc	PWSID:			Job #:
Address: 6780 Northern Boulevard Suite 100	Due Date Requested:			
City: East Syracuse	TAT Requested (days):			
State, Zip: NY, 13057	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 0625050-120788-221-1106			
Email: tbeaumont@gesonline.com	WO #:			
Project Name: Saratoga Quarterly Main Site GW Event Desc: Saratoga Main Site	Project #: 48027231			
Site: Saratoga Quarterly Main Site GWS	SSOW#:			

Analysis Requested

Preservation Codes: A - HCL; N - None

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - BTEX - 8260	8270E_SIM - PAH Semivolatiles	Total Number of containers	Special Instructions
Preservation Code:							A	N		
LTMW-01	7/9/25	11:45	G	Water			2	3	5	
LTMW-02		10:40	G	Water			2	3	5	
LTMW-03		11:30	G	Water			2	3	5	
LTMW-04		12:20	G	Water			2	3	5	
LTMW-04-MS		12:20	G	Water			2	3	5	
LTMW-04-MSD		12:20	G	Water			2	3	5	
LTMW-05		13:25	G	Water			2	3	5	
LTMW-06A		13:40	G	Water			2	3	5	
LTMW-12		16:30	G	Water			2	3	5	
LTMW-13		10:40	G	Water			2	3	5	
LTMW-14		12:55	G	Water			2	3	5	

480-230943 Chain of Custody

Possible Hazard Identification

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) CAT B DELIVERY

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time: 7/9/25 16:45	Company	Received by: Andrew Lewis	Date/Time: 7/10/25 1000	Company ET
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3.6 2.9 IR#5c ICE

Ver: 05/06/2024

Amherst, NY 14228-2298
Phone (716) 691-2600 Phone (716) 691-7991

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: KEVIN LEE	Lab PM: Beninati, John	Carrier Tracking No(s):	COC No: 480-203393-40374.2
Client Contact: Tim Beaumont	Phone: 315 877 1369	E-Mail: John.Beninati@et.eurofinsus.com	State of Origin:	Page: Page 2 of 2
Company: Groundwater & Environmental Services Inc	PWSID:			Job #:
Address: 6780 Northern Boulevard Suite 100	Due Date Requested:			
City: East Syracuse	TAT Requested (days):			
State, Zip: NY, 13057	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 0625050-120788-221-1106			
Email: tbeaumont@gesonline.com	WO #:			
Project Name: Saratoga Quarterly Main Site GW Event Desc: Saratoga Main Site	Project #: 48027231			
Site: Saratoga Quarterly Main Site GWS	SSOW#:			

Analysis Requested

Preservation Codes: A - HCL; N - None; Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - BTEX - 8260	8270E_SIM - PAH Semivolatiles	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	N		
LTMW-15	7/9/25	14:22	G	Water			3	2	5	
ORS		14:50	G	Water			3	2	5	
MH-1		14:45	G	Water			3	2	5	
Field Duplicate		—	G	Water			3	2	5	
MW-EPA-01R		14:45	G	Water			3	2	5	
MW-EPA-03R		16:05	G	Water			3	2	5	
Trip Blank				Water				2	2	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) CAT B DELIVERY

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	7/9/25	16:45			7/10/25 1000	ET
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 05/06/2024

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691 7991

Chain of Custody Record

eurofins
Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Beninati, John	Carrier Tracking No(s): N/A	COC No: 480-93846.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: John.Beninati@et.eurofinsus.com	State of Origin: New York	Page: Page 1 of 2
Company: Eurofins Environment Testing Northeast L		Accreditations Required (See note): NELAP New York		Job #: 480-230943-1
Address: 777 New Durham Road,	Due Date Requested: 7/23/2025			
City: Edison	TAT Requested (days): N/A			
State, Zip: NJ 08817				
Phone: 732-549-3900(Tel) 732-549-3679(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: National Grid Upstate New York OM&M	Project #: 48027231			
Site: National Grid Upstate NY OM&M	SSOW#: N/A			

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270E_SIM/3510C_LVIPAH Semivolatiles	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
Field Duplicate (480-230943-1)	7/9/25	Eastern	G	Water			X	2	
LTMW-01 (480-230943-2)	7/9/25	11:45 Eastern	G	Water			X	2	
LTMW-02 (480-230943-3)	7/9/25	10:40 Eastern	G	Water			X	2	
LTMW-03 (480-230943-4)	7/9/25	11:30 Eastern	G	Water			X	2	
LTMW-04 (480-230943-5)	7/9/25	12:20 Eastern	G	Water			X	2	
LTMW-04 (480-230943-5MS)	7/9/25	12:20 Eastern	G	Water			X	2	
LTMW-04 (480-230943-5MSD)	7/9/25	12:20 Eastern	G	Water			X	2	
LTMW-05 (480-230943-6)	7/9/25	13:25 Eastern	G	Water			X	2	
LTMW-06A (480-230943-7)	7/9/25	13:40 Eastern	G	Water			X	2	

Analysis Requested

Preservation Codes:

Other: N/A

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III IV Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	VS	7-11-25 1600		[illegible] and Fedex	7/12/25 1110	ETA
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No. 2787907, 2787900	Cooler Temperature(s) °C and Other Remarks: 1 7/0.4, 0.5/0.2 JRA

Ver: 10/10/2024

7/17/2025

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691 7991

Chain of Custody Record

eurofins
Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Beninati, John	Carrier Tracking No(s): N/A	COC No: 480-93846.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: John.Beninati@et.eurofinsus.com	State of Origin: New York	Page: Page 2 of 2
Company: Eurofins Environment Testing Northeast L		Accreditations Required (See note): NELAP - New York		Job #: 480-230943-1
Address: 777 New Durham Road,	Due Date Requested: 7/23/2025			
City: Edison	TAT Requested (days): N/A			
State, Zip: NJ 08817				
Phone: 732-549-3900(Tel) 732-549-3679(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: National Grid Upstate New York OM&M	Project #: 48027231			
Site: National Grid Upstate NY OM&M	SSOW#: N/A			

Analysis Requested

Preservation Codes:

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270E_SIM/3510C_LVIPAH Semivolatiles	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
LTMW-12 (480-230943-8)	7/9/25	16:30 Eastern	G	Water			X	2	
LTMW-13 (480-230943-9)	7/9/25	10:40 Eastern	G	Water			X	2	
LTMW-14 (480-230943-10)	7/9/25	12:55 Eastern	G	Water			X	2	
LTMW-15 (480-230943-11)	7/9/25	14:25 Eastern	G	Water			X	2	
MH-1 (480-230943-12)	7/9/25	14:45 Eastern	G	Water			X	2	
ORS (480-230943-13)	7/9/25	14:50 Eastern	G	Water			X	2	
MW-EPA-01R (480-230943-15)	7/9/25	14:45 Eastern	G	Water			X	2	
MW-EPA-03R (480-230943-16)	7/9/25	16:05 Eastern	G	Water			X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I II, III IV Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1				Tatyana Fedorenko	7/11/25 1110	ETA
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ▲ Yes ▲ No	Custody Seal No. 2787907, 2787906	Cooler Temperature(s) °C and Other Remarks: 0.7/0.4, 0.5/0.2 IR4

Ver: 10/10/2024

7/17/2025

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 480-230943-1

Login Number: 230943

List Source: Eurofins Buffalo

List Number: 1

Creator: Wallace, Cameron

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	GES
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 480-230943-1

Login Number: 230943
List Number: 2
Creator: Armbruster, Chris

List Source: Eurofins Edison
List Creation: 07/14/25 10:55 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	2787907, 2787906
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.7/0.4, 0.5/0.2°C IR9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Tim Beaumont
Groundwater & Environmental Services, Inc.
6780 Northern Boulevard
Suite 100
East Syracuse, New York 13057

Generated 10/17/2025 12:55:12 PM

JOB DESCRIPTION

Saratoga Main Site GW Wells - Quarterly

JOB NUMBER

480-233448-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization

Generated
10/17/2025 12:55:12 PM

Authorized for release by
John Beninati, Project Manager I
John.Beninati@et.eurofinsus.com
(716)504-9874

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Detection Summary 6
Client Sample Results 8
Surrogate Summary 21
QC Sample Results 23
QC Association Summary 27
Lab Chronicle 29
Certification Summary 32
Method Summary 33
Sample Summary 34
Chain of Custody 35
Receipt Checklists 39

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 480-233448-1 Eurofins Buffalo

Job Narrative
480-233448-1

Receipt
The samples were received on 10/10/2025 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 2.7º C, 3.0º C, 3.5º C and 4.1º C.

GC/MS VOA
Method 8260C: The following sample(s) was collected in a properly preserved vial; however, the pH was outside the required criteria when verified by the laboratory. The sample was analyzed within the 7-day holding time specified for unpreserved samples: ORS (480-233448-11).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270E SIM: The continuing calibration verification (CCV) analyzed in batch 460-1068569 was outside the method criteria for the following analyte(s): Dibenz(a,h)anthracene and Indeno[1,2,3-cd]pyrene. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Groundwater & Environmental Services, Inc. Job ID: 480-233448-1

Client Sample ID: LTMW-01 Lab Sample ID: 480-233448-1

No Detections.

Client Sample ID: LTMW-02 Lab Sample ID: 480-233448-2

No Detections.

Client Sample ID: LTMW-03 Lab Sample ID: 480-233448-3

No Detections.

Client Sample ID: LTMW-04 Lab Sample ID: 480-233448-4

No Detections.

Client Sample ID: LTMW-05 Lab Sample ID: 480-233448-5

No Detections.

Client Sample ID: LTMW-06A Lab Sample ID: 480-233448-6

No Detections.

Client Sample ID: LTMW-12 Lab Sample ID: 480-233448-7

No Detections.

Client Sample ID: LTMW-13 Lab Sample ID: 480-233448-8

No Detections.

Client Sample ID: LTMW-14 Lab Sample ID: 480-233448-9

No Detections.

Client Sample ID: LTMW-15 Lab Sample ID: 480-233448-10

No Detections.

Client Sample ID: ORS Lab Sample ID: 480-233448-11

No Detections.

Client Sample ID: MH-1 Lab Sample ID: 480-233448-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	6.3		1.0	0.41	ug/L	1		8260C	Total/NA
Ethylbenzene	0.94	J	1.0	0.74	ug/L	1		8260C	Total/NA
Total BTEX	7.2		2.0	1.0	ug/L	1		8260C	Total/NA
Acenaphthene	0.45		0.050	0.014	ug/L	1		8270E SIM	Total/NA
Acenaphthylene	0.065		0.050	0.015	ug/L	1		8270E SIM	Total/NA
Anthracene	0.050		0.050	0.025	ug/L	1		8270E SIM	Total/NA
Fluoranthene	0.49		0.050	0.039	ug/L	1		8270E SIM	Total/NA
Pyrene	0.74		0.050	0.031	ug/L	1		8270E SIM	Total/NA

Client Sample ID: Field Duplicate Lab Sample ID: 480-233448-13

No Detections.

Client Sample ID: MW-EPA-01R Lab Sample ID: 480-233448-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.032	J	0.050	0.014	ug/L	1		8270E SIM	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client Sample ID: MW-EPA-01R (Continued) Lab Sample ID: 480-233448-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Pyrene	0.072		0.050	0.031	ug/L	1		8270E SIM	Total/NA

Client Sample ID: MW-EPA-03R Lab Sample ID: 480-233448-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	2.1		0.050	0.014	ug/L	1		8270E SIM	Total/NA
Acenaphthylene	2.5		0.050	0.015	ug/L	1		8270E SIM	Total/NA
Fluorene	0.16		0.050	0.012	ug/L	1		8270E SIM	Total/NA
Naphthalene	0.37		0.20	0.12	ug/L	1		8270E SIM	Total/NA

Client Sample ID: Trip Blank Lab Sample ID: 480-233448-16

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: LTMW-01
Lab Sample ID: 480-233448-1
Date Collected: 10/09/25 12:45
Matrix: Water
Date Received: 10/10/25 09:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/15/25 13:28	1
Toluene	ND		1.0	0.51	ug/L			10/15/25 13:28	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/15/25 13:28	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/15/25 13:28	1
o-Xylene	ND		1.0	0.76	ug/L			10/15/25 13:28	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/15/25 13:28	1
Total BTEX	ND		2.0	1.0	ug/L			10/15/25 13:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/15/25 13:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*10/15/25 13:28*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*10/15/25 13:28*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*10/15/25 13:28*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.050	0.014	ug/L		10/15/25 13:29	10/15/25 22:58	1
Acenaphthylene	ND		0.050	0.015	ug/L		10/15/25 13:29	10/15/25 22:58	1
Anthracene	ND		0.050	0.025	ug/L		10/15/25 13:29	10/15/25 22:58	1
Benzo[a]anthracene	ND		0.050	0.016	ug/L		10/15/25 13:29	10/15/25 22:58	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		10/15/25 13:29	10/15/25 22:58	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		10/15/25 13:29	10/15/25 22:58	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		10/15/25 13:29	10/15/25 22:58	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		10/15/25 13:29	10/15/25 22:58	1
Chrysene	ND		0.050	0.030	ug/L		10/15/25 13:29	10/15/25 22:58	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		10/15/25 13:29	10/15/25 22:58	1
Fluoranthene	ND		0.050	0.039	ug/L		10/15/25 13:29	10/15/25 22:58	1
Fluorene	ND		0.050	0.012	ug/L		10/15/25 13:29	10/15/25 22:58	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		10/15/25 13:29	10/15/25 22:58	1
Naphthalene	ND		0.20	0.12	ug/L		10/15/25 13:29	10/15/25 22:58	1
Phenanthrene	ND		0.050	0.022	ug/L		10/15/25 13:29	10/15/25 22:58	1
Pyrene	ND		0.050	0.031	ug/L		10/15/25 13:29	10/15/25 22:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*95*		*36 - 150*	*10/15/25 13:29*	*10/15/25 22:58*	*1*
2-Fluorobiphenyl (Surr)	*81*		*33 - 150*	*10/15/25 13:29*	*10/15/25 22:58*	*1*

Client Sample ID: LTMW-02
Lab Sample ID: 480-233448-2
Date Collected: 10/09/25 12:20
Matrix: Water
Date Received: 10/10/25 09:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/15/25 13:52	1
Toluene	ND		1.0	0.51	ug/L			10/15/25 13:52	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/15/25 13:52	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/15/25 13:52	1
o-Xylene	ND		1.0	0.76	ug/L			10/15/25 13:52	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/15/25 13:52	1
Total BTEX	ND		2.0	1.0	ug/L			10/15/25 13:52	1

Client Sample ID: LTMW-02
Lab Sample ID: 480-233448-2
Date Collected: 10/09/25 12:20
Matrix: Water
Date Received: 10/10/25 09:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		80 - 120		10/15/25 13:52	1
1,2-Dichloroethane-d4 (Surr)	113		77 - 120		10/15/25 13:52	1
4-Bromofluorobenzene (Surr)	93		73 - 120		10/15/25 13:52	1
Dibromofluoromethane (Surr)	105		75 - 123		10/15/25 13:52	1

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.050	0.014	ug/L		10/15/25 13:29	10/15/25 23:19	1
Acenaphthylene	ND		0.050	0.015	ug/L		10/15/25 13:29	10/15/25 23:19	1
Anthracene	ND		0.050	0.025	ug/L		10/15/25 13:29	10/15/25 23:19	1
Benzo[a]anthracene	ND		0.050	0.016	ug/L		10/15/25 13:29	10/15/25 23:19	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		10/15/25 13:29	10/15/25 23:19	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		10/15/25 13:29	10/15/25 23:19	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		10/15/25 13:29	10/15/25 23:19	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		10/15/25 13:29	10/15/25 23:19	1
Chrysene	ND		0.050	0.030	ug/L		10/15/25 13:29	10/15/25 23:19	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		10/15/25 13:29	10/15/25 23:19	1
Fluoranthene	ND		0.050	0.039	ug/L		10/15/25 13:29	10/15/25 23:19	1
Fluorene	ND		0.050	0.012	ug/L		10/15/25 13:29	10/15/25 23:19	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		10/15/25 13:29	10/15/25 23:19	1
Naphthalene	ND		0.20	0.12	ug/L		10/15/25 13:29	10/15/25 23:19	1
Phenanthrene	ND		0.050	0.022	ug/L		10/15/25 13:29	10/15/25 23:19	1
Pyrene	ND		0.050	0.031	ug/L		10/15/25 13:29	10/15/25 23:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	93		36 - 150	10/15/25 13:29	10/15/25 23:19	1
2-Fluorobiphenyl (Surr)	76		33 - 150	10/15/25 13:29	10/15/25 23:19	1

Client Sample ID: LTMW-03
Lab Sample ID: 480-233448-3
Date Collected: 10/09/25 11:35
Matrix: Water
Date Received: 10/10/25 09:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/15/25 14:15	1
Toluene	ND		1.0	0.51	ug/L			10/15/25 14:15	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/15/25 14:15	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/15/25 14:15	1
o-Xylene	ND		1.0	0.76	ug/L			10/15/25 14:15	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/15/25 14:15	1
Total BTEX	ND		2.0	1.0	ug/L			10/15/25 14:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		80 - 120		10/15/25 14:15	1
1,2-Dichloroethane-d4 (Surr)	110		77 - 120		10/15/25 14:15	1
4-Bromofluorobenzene (Surr)	95		73 - 120		10/15/25 14:15	1
Dibromofluoromethane (Surr)	109		75 - 123		10/15/25 14:15	1

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.050	0.014	ug/L		10/15/25 13:29	10/15/25 23:40	1
Acenaphthylene	ND		0.050	0.015	ug/L		10/15/25 13:29	10/15/25 23:40	1

Client Sample ID: LTMW-03
Lab Sample ID: 480-233448-3
Date Collected: 10/09/25 11:35
Matrix: Water
Date Received: 10/10/25 09:30

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		0.050	0.025	ug/L		10/15/25 13:29	10/15/25 23:40	1
Benzo[a]anthracene	ND		0.050	0.016	ug/L		10/15/25 13:29	10/15/25 23:40	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		10/15/25 13:29	10/15/25 23:40	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		10/15/25 13:29	10/15/25 23:40	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		10/15/25 13:29	10/15/25 23:40	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		10/15/25 13:29	10/15/25 23:40	1
Chrysene	ND		0.050	0.030	ug/L		10/15/25 13:29	10/15/25 23:40	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		10/15/25 13:29	10/15/25 23:40	1
Fluoranthene	ND		0.050	0.039	ug/L		10/15/25 13:29	10/15/25 23:40	1
Fluorene	ND		0.050	0.012	ug/L		10/15/25 13:29	10/15/25 23:40	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		10/15/25 13:29	10/15/25 23:40	1
Naphthalene	ND		0.20	0.12	ug/L		10/15/25 13:29	10/15/25 23:40	1
Phenanthrene	ND		0.050	0.022	ug/L		10/15/25 13:29	10/15/25 23:40	1
Pyrene	ND		0.050	0.031	ug/L		10/15/25 13:29	10/15/25 23:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*96*		*36 - 150*	*10/15/25 13:29*	*10/15/25 23:40*	*1*
2-Fluorobiphenyl (Surr)	*79*		*33 - 150*	*10/15/25 13:29*	*10/15/25 23:40*	*1*

Client Sample ID: LTMW-04
Lab Sample ID: 480-233448-4
Date Collected: 10/09/25 10:25
Matrix: Water
Date Received: 10/10/25 09:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/15/25 14:38	1
Toluene	ND		1.0	0.51	ug/L			10/15/25 14:38	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/15/25 14:38	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/15/25 14:38	1
o-Xylene	ND		1.0	0.76	ug/L			10/15/25 14:38	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/15/25 14:38	1
Total BTEX	ND		2.0	1.0	ug/L			10/15/25 14:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/15/25 14:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*10/15/25 14:38*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*10/15/25 14:38*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*10/15/25 14:38*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.050	0.014	ug/L		10/15/25 13:29	10/15/25 21:34	1
Acenaphthylene	ND		0.050	0.015	ug/L		10/15/25 13:29	10/15/25 21:34	1
Anthracene	ND		0.050	0.025	ug/L		10/15/25 13:29	10/15/25 21:34	1
Benzo[a]anthracene	ND		0.050	0.016	ug/L		10/15/25 13:29	10/15/25 21:34	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		10/15/25 13:29	10/15/25 21:34	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		10/15/25 13:29	10/15/25 21:34	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		10/15/25 13:29	10/15/25 21:34	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		10/15/25 13:29	10/15/25 21:34	1
Chrysene	ND		0.050	0.030	ug/L		10/15/25 13:29	10/15/25 21:34	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		10/15/25 13:29	10/15/25 21:34	1
Fluoranthene	ND		0.050	0.039	ug/L		10/15/25 13:29	10/15/25 21:34	1

Client Sample ID: LTMW-04
Lab Sample ID: 480-233448-4
Date Collected: 10/09/25 10:25
Matrix: Water
Date Received: 10/10/25 09:30

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	ND		0.050	0.012	ug/L		10/15/25 13:29	10/15/25 21:34	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		10/15/25 13:29	10/15/25 21:34	1
Naphthalene	ND		0.20	0.12	ug/L		10/15/25 13:29	10/15/25 21:34	1
Phenanthrene	ND		0.050	0.022	ug/L		10/15/25 13:29	10/15/25 21:34	1
Pyrene	ND		0.050	0.031	ug/L		10/15/25 13:29	10/15/25 21:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*88*		*36 - 150*	*10/15/25 13:29*	*10/15/25 21:34*	*1*
2-Fluorobiphenyl (Surr)	*75*		*33 - 150*	*10/15/25 13:29*	*10/15/25 21:34*	*1*

Client Sample ID: LTMW-05
Lab Sample ID: 480-233448-5
Date Collected: 10/09/25 09:30
Matrix: Water
Date Received: 10/10/25 09:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/15/25 15:01	1
Toluene	ND		1.0	0.51	ug/L			10/15/25 15:01	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/15/25 15:01	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/15/25 15:01	1
o-Xylene	ND		1.0	0.76	ug/L			10/15/25 15:01	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/15/25 15:01	1
Total BTEX	ND		2.0	1.0	ug/L			10/15/25 15:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/15/25 15:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*		*10/15/25 15:01*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*10/15/25 15:01*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*10/15/25 15:01*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.050	0.014	ug/L		10/15/25 13:29	10/16/25 00:02	1
Acenaphthylene	ND		0.050	0.015	ug/L		10/15/25 13:29	10/16/25 00:02	1
Anthracene	ND		0.050	0.025	ug/L		10/15/25 13:29	10/16/25 00:02	1
Benzo[a]anthracene	ND		0.050	0.016	ug/L		10/15/25 13:29	10/16/25 00:02	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		10/15/25 13:29	10/16/25 00:02	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		10/15/25 13:29	10/16/25 00:02	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		10/15/25 13:29	10/16/25 00:02	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		10/15/25 13:29	10/16/25 00:02	1
Chrysene	ND		0.050	0.030	ug/L		10/15/25 13:29	10/16/25 00:02	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		10/15/25 13:29	10/16/25 00:02	1
Fluoranthene	ND		0.050	0.039	ug/L		10/15/25 13:29	10/16/25 00:02	1
Fluorene	ND		0.050	0.012	ug/L		10/15/25 13:29	10/16/25 00:02	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		10/15/25 13:29	10/16/25 00:02	1
Naphthalene	ND		0.20	0.12	ug/L		10/15/25 13:29	10/16/25 00:02	1
Phenanthrene	ND		0.050	0.022	ug/L		10/15/25 13:29	10/16/25 00:02	1
Pyrene	ND		0.050	0.031	ug/L		10/15/25 13:29	10/16/25 00:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*91*		*36 - 150*	*10/15/25 13:29*	*10/16/25 00:02*	*1*
2-Fluorobiphenyl (Surr)	*75*		*33 - 150*	*10/15/25 13:29*	*10/16/25 00:02*	*1*

Client Sample ID: LTMW-06A
Lab Sample ID: 480-233448-6
Date Collected: 10/09/25 11:00
Matrix: Water
Date Received: 10/10/25 09:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/15/25 15:24	1
Toluene	ND		1.0	0.51	ug/L			10/15/25 15:24	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/15/25 15:24	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/15/25 15:24	1
o-Xylene	ND		1.0	0.76	ug/L			10/15/25 15:24	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/15/25 15:24	1
Total BTEX	ND		2.0	1.0	ug/L			10/15/25 15:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*10/15/25 15:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*10/15/25 15:24*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*10/15/25 15:24*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*10/15/25 15:24*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.050	0.014	ug/L		10/15/25 13:29	10/16/25 00:23	1
Acenaphthylene	ND		0.050	0.015	ug/L		10/15/25 13:29	10/16/25 00:23	1
Anthracene	ND		0.050	0.025	ug/L		10/15/25 13:29	10/16/25 00:23	1
Benzo[a]anthracene	ND		0.050	0.016	ug/L		10/15/25 13:29	10/16/25 00:23	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		10/15/25 13:29	10/16/25 00:23	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		10/15/25 13:29	10/16/25 00:23	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		10/15/25 13:29	10/16/25 00:23	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		10/15/25 13:29	10/16/25 00:23	1
Chrysene	ND		0.050	0.030	ug/L		10/15/25 13:29	10/16/25 00:23	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		10/15/25 13:29	10/16/25 00:23	1
Fluoranthene	ND		0.050	0.039	ug/L		10/15/25 13:29	10/16/25 00:23	1
Fluorene	ND		0.050	0.012	ug/L		10/15/25 13:29	10/16/25 00:23	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		10/15/25 13:29	10/16/25 00:23	1
Naphthalene	ND		0.20	0.12	ug/L		10/15/25 13:29	10/16/25 00:23	1
Phenanthrene	ND		0.050	0.022	ug/L		10/15/25 13:29	10/16/25 00:23	1
Pyrene	ND		0.050	0.031	ug/L		10/15/25 13:29	10/16/25 00:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*94*		*36 - 150*	*10/15/25 13:29*	*10/16/25 00:23*	*1*
2-Fluorobiphenyl (Surr)	*77*		*33 - 150*	*10/15/25 13:29*	*10/16/25 00:23*	*1*

Client Sample ID: LTMW-12
Lab Sample ID: 480-233448-7
Date Collected: 10/08/25 16:10
Matrix: Water
Date Received: 10/10/25 09:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/15/25 15:47	1
Toluene	ND		1.0	0.51	ug/L			10/15/25 15:47	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/15/25 15:47	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/15/25 15:47	1
o-Xylene	ND		1.0	0.76	ug/L			10/15/25 15:47	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/15/25 15:47	1
Total BTEX	ND		2.0	1.0	ug/L			10/15/25 15:47	1

Client Sample ID: LTMW-12

Lab Sample ID: 480-233448-7

Date Collected: 10/08/25 16:10

Matrix: Water

Date Received: 10/10/25 09:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*106*		*80 - 120*		*10/15/25 15:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*77 - 120*		*10/15/25 15:47*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*10/15/25 15:47*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*10/15/25 15:47*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.050	0.014	ug/L		10/15/25 13:29	10/16/25 00:43	1
Acenaphthylene	ND		0.050	0.015	ug/L		10/15/25 13:29	10/16/25 00:43	1
Anthracene	ND		0.050	0.025	ug/L		10/15/25 13:29	10/16/25 00:43	1
Benzo[a]anthracene	ND		0.050	0.016	ug/L		10/15/25 13:29	10/16/25 00:43	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		10/15/25 13:29	10/16/25 00:43	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		10/15/25 13:29	10/16/25 00:43	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		10/15/25 13:29	10/16/25 00:43	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		10/15/25 13:29	10/16/25 00:43	1
Chrysene	ND		0.050	0.030	ug/L		10/15/25 13:29	10/16/25 00:43	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		10/15/25 13:29	10/16/25 00:43	1
Fluoranthene	ND		0.050	0.039	ug/L		10/15/25 13:29	10/16/25 00:43	1
Fluorene	ND		0.050	0.012	ug/L		10/15/25 13:29	10/16/25 00:43	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		10/15/25 13:29	10/16/25 00:43	1
Naphthalene	ND		0.20	0.12	ug/L		10/15/25 13:29	10/16/25 00:43	1
Phenanthrene	ND		0.050	0.022	ug/L		10/15/25 13:29	10/16/25 00:43	1
Pyrene	ND		0.050	0.031	ug/L		10/15/25 13:29	10/16/25 00:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	*96*		*36 - 150*	*10/15/25 13:29*	*10/16/25 00:43*	*1*
2-Fluorobiphenyl (Surr)	*80*		*33 - 150*	*10/15/25 13:29*	*10/16/25 00:43*	*1*

Client Sample ID: LTMW-13

Lab Sample ID: 480-233448-8

Date Collected: 10/08/25 17:30

Matrix: Water

Date Received: 10/10/25 09:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/15/25 16:10	1
Toluene	ND		1.0	0.51	ug/L			10/15/25 16:10	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/15/25 16:10	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/15/25 16:10	1
o-Xylene	ND		1.0	0.76	ug/L			10/15/25 16:10	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/15/25 16:10	1
Total BTEX	ND		2.0	1.0	ug/L			10/15/25 16:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*99*		*80 - 120*		*10/15/25 16:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*10/15/25 16:10*	*1*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*		*10/15/25 16:10*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*10/15/25 16:10*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.050	0.014	ug/L		10/15/25 13:29	10/16/25 01:04	1
Acenaphthylene	ND		0.050	0.015	ug/L		10/15/25 13:29	10/16/25 01:04	1

Client Sample ID: LTMW-13
Lab Sample ID: 480-233448-8
Date Collected: 10/08/25 17:30
Matrix: Water
Date Received: 10/10/25 09:30

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		0.050	0.025	ug/L		10/15/25 13:29	10/16/25 01:04	1
Benzo[a]anthracene	ND		0.050	0.016	ug/L		10/15/25 13:29	10/16/25 01:04	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		10/15/25 13:29	10/16/25 01:04	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		10/15/25 13:29	10/16/25 01:04	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		10/15/25 13:29	10/16/25 01:04	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		10/15/25 13:29	10/16/25 01:04	1
Chrysene	ND		0.050	0.030	ug/L		10/15/25 13:29	10/16/25 01:04	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		10/15/25 13:29	10/16/25 01:04	1
Fluoranthene	ND		0.050	0.039	ug/L		10/15/25 13:29	10/16/25 01:04	1
Fluorene	ND		0.050	0.012	ug/L		10/15/25 13:29	10/16/25 01:04	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		10/15/25 13:29	10/16/25 01:04	1
Naphthalene	ND		0.20	0.12	ug/L		10/15/25 13:29	10/16/25 01:04	1
Phenanthrene	ND		0.050	0.022	ug/L		10/15/25 13:29	10/16/25 01:04	1
Pyrene	ND		0.050	0.031	ug/L		10/15/25 13:29	10/16/25 01:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*102*		*36 - 150*	*10/15/25 13:29*	*10/16/25 01:04*	*1*
2-Fluorobiphenyl (Surr)	*81*		*33 - 150*	*10/15/25 13:29*	*10/16/25 01:04*	*1*

Client Sample ID: LTMW-14
Lab Sample ID: 480-233448-9
Date Collected: 10/09/25 11:45
Matrix: Water
Date Received: 10/10/25 09:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/15/25 16:33	1
Toluene	ND		1.0	0.51	ug/L			10/15/25 16:33	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/15/25 16:33	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/15/25 16:33	1
o-Xylene	ND		1.0	0.76	ug/L			10/15/25 16:33	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/15/25 16:33	1
Total BTEX	ND		2.0	1.0	ug/L			10/15/25 16:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*104*		*80 - 120*		*10/15/25 16:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*		*10/15/25 16:33*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*10/15/25 16:33*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*10/15/25 16:33*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.050	0.014	ug/L		10/15/25 13:29	10/16/25 01:25	1
Acenaphthylene	ND		0.050	0.015	ug/L		10/15/25 13:29	10/16/25 01:25	1
Anthracene	ND		0.050	0.025	ug/L		10/15/25 13:29	10/16/25 01:25	1
Benzo[a]anthracene	ND		0.050	0.016	ug/L		10/15/25 13:29	10/16/25 01:25	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		10/15/25 13:29	10/16/25 01:25	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		10/15/25 13:29	10/16/25 01:25	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		10/15/25 13:29	10/16/25 01:25	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		10/15/25 13:29	10/16/25 01:25	1
Chrysene	ND		0.050	0.030	ug/L		10/15/25 13:29	10/16/25 01:25	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		10/15/25 13:29	10/16/25 01:25	1
Fluoranthene	ND		0.050	0.039	ug/L		10/15/25 13:29	10/16/25 01:25	1

Client Sample ID: LTMW-14
Lab Sample ID: 480-233448-9
Date Collected: 10/09/25 11:45
Matrix: Water
Date Received: 10/10/25 09:30

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	ND		0.050	0.012	ug/L		10/15/25 13:29	10/16/25 01:25	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		10/15/25 13:29	10/16/25 01:25	1
Naphthalene	ND		0.20	0.12	ug/L		10/15/25 13:29	10/16/25 01:25	1
Phenanthrene	ND		0.050	0.022	ug/L		10/15/25 13:29	10/16/25 01:25	1
Pyrene	ND		0.050	0.031	ug/L		10/15/25 13:29	10/16/25 01:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*98*		*36 - 150*	*10/15/25 13:29*	*10/16/25 01:25*	*1*
2-Fluorobiphenyl (Surr)	*83*		*33 - 150*	*10/15/25 13:29*	*10/16/25 01:25*	*1*

Client Sample ID: LTMW-15
Lab Sample ID: 480-233448-10
Date Collected: 10/09/25 09:55
Matrix: Water
Date Received: 10/10/25 09:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/15/25 16:56	1
Toluene	ND		1.0	0.51	ug/L			10/15/25 16:56	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/15/25 16:56	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/15/25 16:56	1
o-Xylene	ND		1.0	0.76	ug/L			10/15/25 16:56	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/15/25 16:56	1
Total BTEX	ND		2.0	1.0	ug/L			10/15/25 16:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*10/15/25 16:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*		*10/15/25 16:56*	*1*
4-Bromofluorobenzene (Surr)	*90*		*73 - 120*		*10/15/25 16:56*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*10/15/25 16:56*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.050	0.014	ug/L		10/15/25 13:29	10/16/25 01:46	1
Acenaphthylene	ND		0.050	0.015	ug/L		10/15/25 13:29	10/16/25 01:46	1
Anthracene	ND		0.050	0.025	ug/L		10/15/25 13:29	10/16/25 01:46	1
Benzo[a]anthracene	ND		0.050	0.016	ug/L		10/15/25 13:29	10/16/25 01:46	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		10/15/25 13:29	10/16/25 01:46	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		10/15/25 13:29	10/16/25 01:46	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		10/15/25 13:29	10/16/25 01:46	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		10/15/25 13:29	10/16/25 01:46	1
Chrysene	ND		0.050	0.030	ug/L		10/15/25 13:29	10/16/25 01:46	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		10/15/25 13:29	10/16/25 01:46	1
Fluoranthene	ND		0.050	0.039	ug/L		10/15/25 13:29	10/16/25 01:46	1
Fluorene	ND		0.050	0.012	ug/L		10/15/25 13:29	10/16/25 01:46	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		10/15/25 13:29	10/16/25 01:46	1
Naphthalene	ND		0.20	0.12	ug/L		10/15/25 13:29	10/16/25 01:46	1
Phenanthrene	ND		0.050	0.022	ug/L		10/15/25 13:29	10/16/25 01:46	1
Pyrene	ND		0.050	0.031	ug/L		10/15/25 13:29	10/16/25 01:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*45*		*36 - 150*	*10/15/25 13:29*	*10/16/25 01:46*	*1*
2-Fluorobiphenyl (Surr)	*37*		*33 - 150*	*10/15/25 13:29*	*10/16/25 01:46*	*1*

Client Sample ID: ORS
Lab Sample ID: 480-233448-11
Date Collected: 10/09/25 12:40
Matrix: Water
Date Received: 10/10/25 09:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/15/25 17:20	1
Toluene	ND		1.0	0.51	ug/L			10/15/25 17:20	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/15/25 17:20	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/15/25 17:20	1
o-Xylene	ND		1.0	0.76	ug/L			10/15/25 17:20	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/15/25 17:20	1
Total BTEX	ND		2.0	1.0	ug/L			10/15/25 17:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*80 - 120*		*10/15/25 17:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*		*10/15/25 17:20*	*1*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*		*10/15/25 17:20*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*10/15/25 17:20*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.050	0.014	ug/L		10/15/25 13:29	10/16/25 02:07	1
Acenaphthylene	ND		0.050	0.015	ug/L		10/15/25 13:29	10/16/25 02:07	1
Anthracene	ND		0.050	0.025	ug/L		10/15/25 13:29	10/16/25 02:07	1
Benzo[a]anthracene	ND		0.050	0.016	ug/L		10/15/25 13:29	10/16/25 02:07	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		10/15/25 13:29	10/16/25 02:07	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		10/15/25 13:29	10/16/25 02:07	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		10/15/25 13:29	10/16/25 02:07	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		10/15/25 13:29	10/16/25 02:07	1
Chrysene	ND		0.050	0.030	ug/L		10/15/25 13:29	10/16/25 02:07	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		10/15/25 13:29	10/16/25 02:07	1
Fluoranthene	ND		0.050	0.039	ug/L		10/15/25 13:29	10/16/25 02:07	1
Fluorene	ND		0.050	0.012	ug/L		10/15/25 13:29	10/16/25 02:07	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		10/15/25 13:29	10/16/25 02:07	1
Naphthalene	ND		0.20	0.12	ug/L		10/15/25 13:29	10/16/25 02:07	1
Phenanthrene	ND		0.050	0.022	ug/L		10/15/25 13:29	10/16/25 02:07	1
Pyrene	ND		0.050	0.031	ug/L		10/15/25 13:29	10/16/25 02:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*102*		*36 - 150*	*10/15/25 13:29*	*10/16/25 02:07*	*1*
2-Fluorobiphenyl (Surr)	*91*		*33 - 150*	*10/15/25 13:29*	*10/16/25 02:07*	*1*

Client Sample ID: MH-1
Lab Sample ID: 480-233448-12
Date Collected: 10/09/25 08:45
Matrix: Water
Date Received: 10/10/25 09:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**6.3**		1.0	0.41	ug/L			10/15/25 17:43	1
Toluene	ND		1.0	0.51	ug/L			10/15/25 17:43	1
Ethylbenzene	**0.94**	**J**	1.0	0.74	ug/L			10/15/25 17:43	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/15/25 17:43	1
o-Xylene	ND		1.0	0.76	ug/L			10/15/25 17:43	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/15/25 17:43	1
Total BTEX	**7.2**		2.0	1.0	ug/L			10/15/25 17:43	1

Client Sample ID: MH-1
Lab Sample ID: 480-233448-12
Date Collected: 10/09/25 08:45
Matrix: Water
Date Received: 10/10/25 09:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		80 - 120		10/15/25 17:43	1
1,2-Dichloroethane-d4 (Surr)	117		77 - 120		10/15/25 17:43	1
4-Bromofluorobenzene (Surr)	94		73 - 120		10/15/25 17:43	1
Dibromofluoromethane (Surr)	107		75 - 123		10/15/25 17:43	1

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.45**		0.050	0.014	ug/L		10/15/25 13:29	10/16/25 02:28	1
Acenaphthylene	**0.065**		0.050	0.015	ug/L		10/15/25 13:29	10/16/25 02:28	1
Anthracene	**0.050**		0.050	0.025	ug/L		10/15/25 13:29	10/16/25 02:28	1
Benzo[a]anthracene	ND		0.050	0.016	ug/L		10/15/25 13:29	10/16/25 02:28	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		10/15/25 13:29	10/16/25 02:28	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		10/15/25 13:29	10/16/25 02:28	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		10/15/25 13:29	10/16/25 02:28	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		10/15/25 13:29	10/16/25 02:28	1
Chrysene	ND		0.050	0.030	ug/L		10/15/25 13:29	10/16/25 02:28	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		10/15/25 13:29	10/16/25 02:28	1
Fluoranthene	**0.49**		0.050	0.039	ug/L		10/15/25 13:29	10/16/25 02:28	1
Fluorene	ND		0.050	0.012	ug/L		10/15/25 13:29	10/16/25 02:28	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		10/15/25 13:29	10/16/25 02:28	1
Naphthalene	ND		0.20	0.12	ug/L		10/15/25 13:29	10/16/25 02:28	1
Phenanthrene	ND		0.050	0.022	ug/L		10/15/25 13:29	10/16/25 02:28	1
Pyrene	**0.74**		0.050	0.031	ug/L		10/15/25 13:29	10/16/25 02:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	93		36 - 150	10/15/25 13:29	10/16/25 02:28	1
2-Fluorobiphenyl (Surr)	82		33 - 150	10/15/25 13:29	10/16/25 02:28	1

Client Sample ID: Field Duplicate
Lab Sample ID: 480-233448-13
Date Collected: 10/09/25 00:00
Matrix: Water
Date Received: 10/10/25 09:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/15/25 18:06	1
Toluene	ND		1.0	0.51	ug/L			10/15/25 18:06	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/15/25 18:06	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/15/25 18:06	1
o-Xylene	ND		1.0	0.76	ug/L			10/15/25 18:06	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/15/25 18:06	1
Total BTEX	ND		2.0	1.0	ug/L			10/15/25 18:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		80 - 120		10/15/25 18:06	1
1,2-Dichloroethane-d4 (Surr)	104		77 - 120		10/15/25 18:06	1
4-Bromofluorobenzene (Surr)	92		73 - 120		10/15/25 18:06	1
Dibromofluoromethane (Surr)	102		75 - 123		10/15/25 18:06	1

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.050	0.014	ug/L		10/15/25 13:29	10/16/25 02:49	1
Acenaphthylene	ND		0.050	0.015	ug/L		10/15/25 13:29	10/16/25 02:49	1

Client Sample ID: Field Duplicate
Lab Sample ID: 480-233448-13
Date Collected: 10/09/25 00:00
Matrix: Water
Date Received: 10/10/25 09:30

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		0.050	0.025	ug/L		10/15/25 13:29	10/16/25 02:49	1
Benzo[a]anthracene	ND		0.050	0.016	ug/L		10/15/25 13:29	10/16/25 02:49	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		10/15/25 13:29	10/16/25 02:49	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		10/15/25 13:29	10/16/25 02:49	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		10/15/25 13:29	10/16/25 02:49	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		10/15/25 13:29	10/16/25 02:49	1
Chrysene	ND		0.050	0.030	ug/L		10/15/25 13:29	10/16/25 02:49	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		10/15/25 13:29	10/16/25 02:49	1
Fluoranthene	ND		0.050	0.039	ug/L		10/15/25 13:29	10/16/25 02:49	1
Fluorene	ND		0.050	0.012	ug/L		10/15/25 13:29	10/16/25 02:49	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		10/15/25 13:29	10/16/25 02:49	1
Naphthalene	ND		0.20	0.12	ug/L		10/15/25 13:29	10/16/25 02:49	1
Phenanthrene	ND		0.050	0.022	ug/L		10/15/25 13:29	10/16/25 02:49	1
Pyrene	ND		0.050	0.031	ug/L		10/15/25 13:29	10/16/25 02:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*100*		*36 - 150*	*10/15/25 13:29*	*10/16/25 02:49*	*1*
2-Fluorobiphenyl (Surr)	*84*		*33 - 150*	*10/15/25 13:29*	*10/16/25 02:49*	*1*

Client Sample ID: MW-EPA-01R
Lab Sample ID: 480-233448-14
Date Collected: 10/09/25 13:10
Matrix: Water
Date Received: 10/10/25 09:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/15/25 18:29	1
Toluene	ND		1.0	0.51	ug/L			10/15/25 18:29	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/15/25 18:29	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/15/25 18:29	1
o-Xylene	ND		1.0	0.76	ug/L			10/15/25 18:29	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/15/25 18:29	1
Total BTEX	ND		2.0	1.0	ug/L			10/15/25 18:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*		*10/15/25 18:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*10/15/25 18:29*	*1*
4-Bromofluorobenzene (Surr)	*91*		*73 - 120*		*10/15/25 18:29*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*10/15/25 18:29*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.032**	**J**	0.050	0.014	ug/L		10/15/25 13:29	10/16/25 03:10	1
Acenaphthylene	ND		0.050	0.015	ug/L		10/15/25 13:29	10/16/25 03:10	1
Anthracene	ND		0.050	0.025	ug/L		10/15/25 13:29	10/16/25 03:10	1
Benzo[a]anthracene	ND		0.050	0.016	ug/L		10/15/25 13:29	10/16/25 03:10	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		10/15/25 13:29	10/16/25 03:10	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		10/15/25 13:29	10/16/25 03:10	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		10/15/25 13:29	10/16/25 03:10	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		10/15/25 13:29	10/16/25 03:10	1
Chrysene	ND		0.050	0.030	ug/L		10/15/25 13:29	10/16/25 03:10	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		10/15/25 13:29	10/16/25 03:10	1
Fluoranthene	ND		0.050	0.039	ug/L		10/15/25 13:29	10/16/25 03:10	1

Client Sample ID: MW-EPA-01R
Lab Sample ID: 480-233448-14
Date Collected: 10/09/25 13:10
Matrix: Water
Date Received: 10/10/25 09:30

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	ND		0.050	0.012	ug/L		10/15/25 13:29	10/16/25 03:10	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		10/15/25 13:29	10/16/25 03:10	1
Naphthalene	ND		0.20	0.12	ug/L		10/15/25 13:29	10/16/25 03:10	1
Phenanthrene	ND		0.050	0.022	ug/L		10/15/25 13:29	10/16/25 03:10	1
Pyrene	**0.072**		0.050	0.031	ug/L		10/15/25 13:29	10/16/25 03:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*88*		*36 - 150*	*10/15/25 13:29*	*10/16/25 03:10*	*1*
2-Fluorobiphenyl (Surr)	*73*		*33 - 150*	*10/15/25 13:29*	*10/16/25 03:10*	*1*

Client Sample ID: MW-EPA-03R
Lab Sample ID: 480-233448-15
Date Collected: 10/08/25 15:05
Matrix: Water
Date Received: 10/10/25 09:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/15/25 18:52	1
Toluene	ND		1.0	0.51	ug/L			10/15/25 18:52	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/15/25 18:52	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/15/25 18:52	1
o-Xylene	ND		1.0	0.76	ug/L			10/15/25 18:52	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/15/25 18:52	1
Total BTEX	ND		2.0	1.0	ug/L			10/15/25 18:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*80 - 120*		*10/15/25 18:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*116*		*77 - 120*		*10/15/25 18:52*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*10/15/25 18:52*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*10/15/25 18:52*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**2.1**		0.050	0.014	ug/L		10/15/25 13:29	10/16/25 03:31	1
Acenaphthylene	**2.5**		0.050	0.015	ug/L		10/15/25 13:29	10/16/25 03:31	1
Anthracene	ND		0.050	0.025	ug/L		10/15/25 13:29	10/16/25 03:31	1
Benzo[a]anthracene	ND		0.050	0.016	ug/L		10/15/25 13:29	10/16/25 03:31	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		10/15/25 13:29	10/16/25 03:31	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		10/15/25 13:29	10/16/25 03:31	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		10/15/25 13:29	10/16/25 03:31	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		10/15/25 13:29	10/16/25 03:31	1
Chrysene	ND		0.050	0.030	ug/L		10/15/25 13:29	10/16/25 03:31	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		10/15/25 13:29	10/16/25 03:31	1
Fluoranthene	ND		0.050	0.039	ug/L		10/15/25 13:29	10/16/25 03:31	1
Fluorene	**0.16**		0.050	0.012	ug/L		10/15/25 13:29	10/16/25 03:31	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		10/15/25 13:29	10/16/25 03:31	1
Naphthalene	**0.37**		0.20	0.12	ug/L		10/15/25 13:29	10/16/25 03:31	1
Phenanthrene	ND		0.050	0.022	ug/L		10/15/25 13:29	10/16/25 03:31	1
Pyrene	ND		0.050	0.031	ug/L		10/15/25 13:29	10/16/25 03:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*103*		*36 - 150*	*10/15/25 13:29*	*10/16/25 03:31*	*1*
2-Fluorobiphenyl (Surr)	*85*		*33 - 150*	*10/15/25 13:29*	*10/16/25 03:31*	*1*

Client: Groundwater & Environmental Services, Inc. Job ID: 480-233448-1

Client Sample ID: Trip Blank

Lab Sample ID: 480-233448-16

Date Collected: 10/09/25 00:00

Matrix: Water

Date Received: 10/10/25 09:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/15/25 19:15	1
Toluene	ND		1.0	0.51	ug/L			10/15/25 19:15	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/15/25 19:15	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/15/25 19:15	1
o-Xylene	ND		1.0	0.76	ug/L			10/15/25 19:15	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/15/25 19:15	1
Total BTEX	ND		2.0	1.0	ug/L			10/15/25 19:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*80 - 120*		*10/15/25 19:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*		*10/15/25 19:15*	*1*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*		*10/15/25 19:15*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*10/15/25 19:15*	*1*

Surrogate Summary

Client: Groundwater & Environmental Services, Inc. Job ID: 480-233448-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DCA	BFB	DBFM
Lab Sample ID	Client Sample ID	(80-120)	(77-120)	(73-120)	(75-123)
480-233448-1	LTMW-01	101	107	96	102
480-233448-2	LTMW-02	100	113	93	105
480-233448-3	LTMW-03	103	110	95	109
480-233448-4	LTMW-04	101	107	97	99
480-233448-4 MS	LTMW-04	106	108	98	103
480-233448-4 MSD	LTMW-04	104	100	98	101
480-233448-5	LTMW-05	101	110	95	103
480-233448-6	LTMW-06A	99	109	96	99
480-233448-7	LTMW-12	106	113	95	106
480-233448-8	LTMW-13	99	107	92	99
480-233448-9	LTMW-14	104	111	97	102
480-233448-10	LTMW-15	99	110	90	102
480-233448-11	ORS	102	111	93	106
480-233448-12	MH-1	101	117	94	107
480-233448-13	Field Duplicate	99	104	92	102
480-233448-14	MW-EPA-01R	98	105	91	99
480-233448-15	MW-EPA-03R	102	116	94	104
480-233448-16	Trip Blank	103	111	93	107
LCS 480-759664/6	Lab Control Sample	103	113	95	110
MB 480-759664/8	Method Blank	103	115	96	111

Surrogate Legend

TOL = Toluene-d8 (Surr)

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		NBZ	FBP
Lab Sample ID	Client Sample ID	(36-150)	(33-150)
480-233448-1	LTMW-01	95	81
480-233448-2	LTMW-02	93	76
480-233448-3	LTMW-03	96	79
480-233448-4	LTMW-04	88	75
480-233448-4 MS	LTMW-04	97	81
480-233448-4 MSD	LTMW-04	88	75
480-233448-5	LTMW-05	91	75
480-233448-6	LTMW-06A	94	77
480-233448-7	LTMW-12	96	80
480-233448-8	LTMW-13	102	81
480-233448-9	LTMW-14	98	83
480-233448-10	LTMW-15	45	37
480-233448-11	ORS	102	91
480-233448-12	MH-1	93	82
480-233448-13	Field Duplicate	100	84
480-233448-14	MW-EPA-01R	88	73
480-233448-15	MW-EPA-03R	103	85
LCS 460-1068511/2-A	Lab Control Sample	99	75

Surrogate Summary

Client: Groundwater & Environmental Services, Inc. Job ID: 480-233448-1

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
		NBZ	FBP								
Lab Sample ID	Client Sample ID	(36-150)	(33-150)								
LCSD 460-1068511/3-A	Lab Control Sample Dup	104	79								
MB 460-1068511/1-A	Method Blank	101	79								

Surrogate Legend

NBZ = Nitrobenzene-d5 (Surr)

FBP = 2-Fluorobiphenyl (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-759664/8
Matrix: Water
Analysis Batch: 759664

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/15/25 12:53	1
Toluene	ND		1.0	0.51	ug/L			10/15/25 12:53	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/15/25 12:53	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/15/25 12:53	1
o-Xylene	ND		1.0	0.76	ug/L			10/15/25 12:53	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/15/25 12:53	1
Total BTEX	ND		2.0	1.0	ug/L			10/15/25 12:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*80 - 120*		*10/15/25 12:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*115*		*77 - 120*		*10/15/25 12:53*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*10/15/25 12:53*	*1*
Dibromofluoromethane (Surr)	*111*		*75 - 123*		*10/15/25 12:53*	*1*

Lab Sample ID: LCS 480-759664/6
Matrix: Water
Analysis Batch: 759664

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	25.0	24.5		ug/L		98	71 - 124
Toluene	25.0	23.2		ug/L		93	80 - 122
Ethylbenzene	25.0	23.3		ug/L		93	77 - 123
m-Xylene & p-Xylene	25.0	22.9		ug/L		92	76 - 122
o-Xylene	25.0	23.1		ug/L		92	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*103*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*113*		*77 - 120*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*
Dibromofluoromethane (Surr)	*110*		*75 - 123*

Lab Sample ID: 480-233448-4 MS
Matrix: Water
Analysis Batch: 759664

Client Sample ID: LTMW-04
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	ND		25.0	26.2		ug/L		105	71 - 124
Toluene	ND		25.0	26.9		ug/L		107	80 - 122
Ethylbenzene	ND		25.0	27.8		ug/L		111	77 - 123
m-Xylene & p-Xylene	ND		25.0	25.9		ug/L		104	76 - 122
o-Xylene	ND		25.0	27.2		ug/L		109	76 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*106*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*
Dibromofluoromethane (Surr)	*103*		*75 - 123*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-233448-4 MSD **Client Sample ID: LTMW-04**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 759664

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		25.0	27.2		ug/L		109	71 - 124	4	13
Toluene	ND		25.0	28.4		ug/L		114	80 - 122	6	15
Ethylbenzene	ND		25.0	29.4		ug/L		118	77 - 123	6	15
m-Xylene & p-Xylene	ND		25.0	27.9		ug/L		112	76 - 122	7	16
o-Xylene	ND		25.0	28.7		ug/L		115	76 - 122	5	16

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*104*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*
Dibromofluoromethane (Surr)	*101*		*75 - 123*

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Lab Sample ID: MB 460-1068511/1-A **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 1068569 **Prep Batch: 1068511**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.050	0.014	ug/L		10/15/25 13:27	10/15/25 20:30	1
Acenaphthylene	ND		0.050	0.015	ug/L		10/15/25 13:27	10/15/25 20:30	1
Anthracene	ND		0.050	0.025	ug/L		10/15/25 13:27	10/15/25 20:30	1
Benzo[a]anthracene	ND		0.050	0.016	ug/L		10/15/25 13:27	10/15/25 20:30	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		10/15/25 13:27	10/15/25 20:30	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		10/15/25 13:27	10/15/25 20:30	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		10/15/25 13:27	10/15/25 20:30	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		10/15/25 13:27	10/15/25 20:30	1
Chrysene	ND		0.050	0.030	ug/L		10/15/25 13:27	10/15/25 20:30	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		10/15/25 13:27	10/15/25 20:30	1
Fluoranthene	ND		0.050	0.039	ug/L		10/15/25 13:27	10/15/25 20:30	1
Fluorene	ND		0.050	0.012	ug/L		10/15/25 13:27	10/15/25 20:30	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		10/15/25 13:27	10/15/25 20:30	1
Naphthalene	ND		0.20	0.12	ug/L		10/15/25 13:27	10/15/25 20:30	1
Phenanthrene	ND		0.050	0.022	ug/L		10/15/25 13:27	10/15/25 20:30	1
Pyrene	ND		0.050	0.031	ug/L		10/15/25 13:27	10/15/25 20:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*101*		*36 - 150*	*10/15/25 13:27*	*10/15/25 20:30*	*1*
2-Fluorobiphenyl (Surr)	*79*		*33 - 150*	*10/15/25 13:27*	*10/15/25 20:30*	*1*

Lab Sample ID: LCS 460-1068511/2-A **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 1068569 **Prep Batch: 1068511**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	2.00	1.51		ug/L		76	42 - 150
Acenaphthylene	2.00	1.69		ug/L		84	22 - 150
Anthracene	2.00	2.04		ug/L		102	22 - 150
Benzo[a]anthracene	2.00	2.23		ug/L		111	47 - 150

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: LCS 460-1068511/2-A **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 1068569 **Prep Batch: 1068511**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzo[a]pyrene	2.00	2.30		ug/L		115	34 - 150
Benzo[b]fluoranthene	2.00	2.15		ug/L		108	33 - 150
Benzo[g,h,i]perylene	2.00	2.11		ug/L		105	19 - 150
Benzo[k]fluoranthene	2.00	2.64		ug/L		132	30 - 150
Chrysene	2.00	2.38		ug/L		119	47 - 150
Dibenz(a,h)anthracene	2.00	1.77		ug/L		88	12 - 150
Fluoranthene	2.00	2.31		ug/L		115	36 - 150
Fluorene	2.00	1.87		ug/L		94	24 - 150
Indeno[1,2,3-cd]pyrene	2.00	1.70		ug/L		85	14 - 134
Naphthalene	2.00	1.36		ug/L		68	41 - 147
Phenanthrene	2.00	1.86		ug/L		93	13 - 150
Pyrene	2.00	2.51		ug/L		125	46 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*99*		*36 - 150*
2-Fluorobiphenyl (Surr)	*75*		*33 - 150*

Lab Sample ID: LCSD 460-1068511/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 1068569 **Prep Batch: 1068511**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	2.00	1.60		ug/L		80	42 - 150	6	30
Acenaphthylene	2.00	1.73		ug/L		87	22 - 150	3	30
Anthracene	2.00	2.10		ug/L		105	22 - 150	3	30
Benzo[a]anthracene	2.00	2.16		ug/L		108	47 - 150	3	30
Benzo[a]pyrene	2.00	2.27		ug/L		113	34 - 150	1	30
Benzo[b]fluoranthene	2.00	2.10		ug/L		105	33 - 150	2	30
Benzo[g,h,i]perylene	2.00	2.13		ug/L		106	19 - 150	1	30
Benzo[k]fluoranthene	2.00	2.52		ug/L		126	30 - 150	5	30
Chrysene	2.00	2.23		ug/L		111	47 - 150	7	30
Dibenz(a,h)anthracene	2.00	1.83		ug/L		92	12 - 150	4	30
Fluoranthene	2.00	2.19		ug/L		109	36 - 150	5	30
Fluorene	2.00	1.91		ug/L		96	24 - 150	2	30
Indeno[1,2,3-cd]pyrene	2.00	1.76		ug/L		88	14 - 134	3	30
Naphthalene	2.00	1.36		ug/L		68	41 - 147	0	30
Phenanthrene	2.00	1.92		ug/L		96	13 - 150	3	30
Pyrene	2.00	2.41		ug/L		120	46 - 150	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*104*		*36 - 150*
2-Fluorobiphenyl (Surr)	*79*		*33 - 150*

Lab Sample ID: 480-233448-4 MS **Client Sample ID: LTMW-04**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 1068569 **Prep Batch: 1068511**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	ND		2.00	1.55		ug/L		78	42 - 150

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: 480-233448-4 MS **Client Sample ID: LTMW-04**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 1068569 **Prep Batch: 1068511**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthylene	ND		2.00	1.70		ug/L		85	22 - 150
Anthracene	ND		2.00	2.11		ug/L		105	22 - 150
Benzo[a]anthracene	ND		2.00	1.93		ug/L		96	47 - 150
Benzo[a]pyrene	ND		2.00	1.69		ug/L		85	34 - 150
Benzo[b]fluoranthene	ND		2.00	1.71		ug/L		86	33 - 150
Benzo[g,h,i]perylene	ND		2.00	1.32		ug/L		66	19 - 150
Benzo[k]fluoranthene	ND		2.00	1.90		ug/L		95	30 - 150
Chrysene	ND		2.00	1.88		ug/L		94	47 - 150
Dibenz(a,h)anthracene	ND		2.00	0.965		ug/L		48	12 - 150
Fluoranthene	ND		2.00	2.13		ug/L		107	36 - 150
Fluorene	ND		2.00	1.86		ug/L		93	24 - 150
Indeno[1,2,3-cd]pyrene	ND		2.00	1.08		ug/L		54	14 - 134
Naphthalene	ND		2.00	1.37		ug/L		69	41 - 147
Phenanthrene	ND		2.00	1.87		ug/L		94	13 - 150
Pyrene	ND		2.00	2.32		ug/L		116	46 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*97*		*36 - 150*
2-Fluorobiphenyl (Surr)	*81*		*33 - 150*

Lab Sample ID: 480-233448-4 MSD **Client Sample ID: LTMW-04**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 1068569 **Prep Batch: 1068511**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	ND		2.00	1.47		ug/L		73	42 - 150	6	30
Acenaphthylene	ND		2.00	1.65		ug/L		82	22 - 150	3	30
Anthracene	ND		2.00	1.97		ug/L		98	22 - 150	7	30
Benzo[a]anthracene	ND		2.00	1.79		ug/L		89	47 - 150	8	30
Benzo[a]pyrene	ND		2.00	1.52		ug/L		76	34 - 150	11	30
Benzo[b]fluoranthene	ND		2.00	1.47		ug/L		74	33 - 150	15	30
Benzo[g,h,i]perylene	ND		2.00	1.15		ug/L		57	19 - 150	14	30
Benzo[k]fluoranthene	ND		2.00	1.69		ug/L		85	30 - 150	11	30
Chrysene	ND		2.00	1.78		ug/L		89	47 - 150	5	30
Dibenz(a,h)anthracene	ND		2.00	0.825		ug/L		41	12 - 150	16	30
Fluoranthene	ND		2.00	1.92		ug/L		96	36 - 150	11	30
Fluorene	ND		2.00	1.79		ug/L		89	24 - 150	4	30
Indeno[1,2,3-cd]pyrene	ND		2.00	0.924		ug/L		46	14 - 134	16	30
Naphthalene	ND		2.00	1.38		ug/L		69	41 - 147	0	30
Phenanthrene	ND		2.00	1.69		ug/L		85	13 - 150	10	30
Pyrene	ND		2.00	2.15		ug/L		108	46 - 150	8	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*88*		*36 - 150*
2-Fluorobiphenyl (Surr)	*75*		*33 - 150*

GC/MS VOA

Analysis Batch: 759664

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-233448-1	LTMW-01	Total/NA	Water	8260C	
480-233448-2	LTMW-02	Total/NA	Water	8260C	
480-233448-3	LTMW-03	Total/NA	Water	8260C	
480-233448-4	LTMW-04	Total/NA	Water	8260C	
480-233448-5	LTMW-05	Total/NA	Water	8260C	
480-233448-6	LTMW-06A	Total/NA	Water	8260C	
480-233448-7	LTMW-12	Total/NA	Water	8260C	
480-233448-8	LTMW-13	Total/NA	Water	8260C	
480-233448-9	LTMW-14	Total/NA	Water	8260C	
480-233448-10	LTMW-15	Total/NA	Water	8260C	
480-233448-11	ORS	Total/NA	Water	8260C	
480-233448-12	MH-1	Total/NA	Water	8260C	
480-233448-13	Field Duplicate	Total/NA	Water	8260C	
480-233448-14	MW-EPA-01R	Total/NA	Water	8260C	
480-233448-15	MW-EPA-03R	Total/NA	Water	8260C	
480-233448-16	Trip Blank	Total/NA	Water	8260C	
MB 480-759664/8	Method Blank	Total/NA	Water	8260C	
LCS 480-759664/6	Lab Control Sample	Total/NA	Water	8260C	
480-233448-4 MS	LTMW-04	Total/NA	Water	8260C	
480-233448-4 MSD	LTMW-04	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 1068511

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-233448-1	LTMW-01	Total/NA	Water	3510C	
480-233448-2	LTMW-02	Total/NA	Water	3510C	
480-233448-3	LTMW-03	Total/NA	Water	3510C	
480-233448-4	LTMW-04	Total/NA	Water	3510C	
480-233448-5	LTMW-05	Total/NA	Water	3510C	
480-233448-6	LTMW-06A	Total/NA	Water	3510C	
480-233448-7	LTMW-12	Total/NA	Water	3510C	
480-233448-8	LTMW-13	Total/NA	Water	3510C	
480-233448-9	LTMW-14	Total/NA	Water	3510C	
480-233448-10	LTMW-15	Total/NA	Water	3510C	
480-233448-11	ORS	Total/NA	Water	3510C	
480-233448-12	MH-1	Total/NA	Water	3510C	
480-233448-13	Field Duplicate	Total/NA	Water	3510C	
480-233448-14	MW-EPA-01R	Total/NA	Water	3510C	
480-233448-15	MW-EPA-03R	Total/NA	Water	3510C	
MB 460-1068511/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-1068511/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-1068511/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
480-233448-4 MS	LTMW-04	Total/NA	Water	3510C	
480-233448-4 MSD	LTMW-04	Total/NA	Water	3510C	

Analysis Batch: 1068569

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-233448-1	LTMW-01	Total/NA	Water	8270E SIM	1068511
480-233448-2	LTMW-02	Total/NA	Water	8270E SIM	1068511
480-233448-3	LTMW-03	Total/NA	Water	8270E SIM	1068511
480-233448-4	LTMW-04	Total/NA	Water	8270E SIM	1068511

GC/MS Semi VOA (Continued)

Analysis Batch: 1068569 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-233448-5	LTMW-05	Total/NA	Water	8270E SIM	1068511
480-233448-6	LTMW-06A	Total/NA	Water	8270E SIM	1068511
480-233448-7	LTMW-12	Total/NA	Water	8270E SIM	1068511
480-233448-8	LTMW-13	Total/NA	Water	8270E SIM	1068511
480-233448-9	LTMW-14	Total/NA	Water	8270E SIM	1068511
480-233448-10	LTMW-15	Total/NA	Water	8270E SIM	1068511
480-233448-11	ORS	Total/NA	Water	8270E SIM	1068511
480-233448-12	MH-1	Total/NA	Water	8270E SIM	1068511
480-233448-13	Field Duplicate	Total/NA	Water	8270E SIM	1068511
480-233448-14	MW-EPA-01R	Total/NA	Water	8270E SIM	1068511
480-233448-15	MW-EPA-03R	Total/NA	Water	8270E SIM	1068511
MB 460-1068511/1-A	Method Blank	Total/NA	Water	8270E SIM	1068511
LCS 460-1068511/2-A	Lab Control Sample	Total/NA	Water	8270E SIM	1068511
LCSD 460-1068511/3-A	Lab Control Sample Dup	Total/NA	Water	8270E SIM	1068511
480-233448-4 MS	LTMW-04	Total/NA	Water	8270E SIM	1068511
480-233448-4 MSD	LTMW-04	Total/NA	Water	8270E SIM	1068511

Lab Chronicle

Client Sample ID: LTMW-01
Lab Sample ID: 480-233448-1
Date Collected: 10/09/25 12:45
Matrix: Water
Date Received: 10/10/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	759664	ATG	EET BUF	10/15/25 13:28
Total/NA	Prep	3510C			1068511	SXS	EET EDI	10/15/25 13:29
Total/NA	Analysis	8270E SIM		1	1068569	MME	EET EDI	10/15/25 22:58

Client Sample ID: LTMW-02
Lab Sample ID: 480-233448-2
Date Collected: 10/09/25 12:20
Matrix: Water
Date Received: 10/10/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	759664	ATG	EET BUF	10/15/25 13:52
Total/NA	Prep	3510C			1068511	SXS	EET EDI	10/15/25 13:29
Total/NA	Analysis	8270E SIM		1	1068569	MME	EET EDI	10/15/25 23:19

Client Sample ID: LTMW-03
Lab Sample ID: 480-233448-3
Date Collected: 10/09/25 11:35
Matrix: Water
Date Received: 10/10/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	759664	ATG	EET BUF	10/15/25 14:15
Total/NA	Prep	3510C			1068511	SXS	EET EDI	10/15/25 13:29
Total/NA	Analysis	8270E SIM		1	1068569	MME	EET EDI	10/15/25 23:40

Client Sample ID: LTMW-04
Lab Sample ID: 480-233448-4
Date Collected: 10/09/25 10:25
Matrix: Water
Date Received: 10/10/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	759664	ATG	EET BUF	10/15/25 14:38
Total/NA	Prep	3510C			1068511	SXS	EET EDI	10/15/25 13:29
Total/NA	Analysis	8270E SIM		1	1068569	MME	EET EDI	10/15/25 21:34

Client Sample ID: LTMW-05
Lab Sample ID: 480-233448-5
Date Collected: 10/09/25 09:30
Matrix: Water
Date Received: 10/10/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	759664	ATG	EET BUF	10/15/25 15:01
Total/NA	Prep	3510C			1068511	SXS	EET EDI	10/15/25 13:29
Total/NA	Analysis	8270E SIM		1	1068569	MME	EET EDI	10/16/25 00:02

Client Sample ID: LTMW-06A
Lab Sample ID: 480-233448-6
Date Collected: 10/09/25 11:00
Matrix: Water
Date Received: 10/10/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	759664	ATG	EET BUF	10/15/25 15:24

Lab Chronicle

Client Sample ID: LTMW-06A
Lab Sample ID: 480-233448-6
Date Collected: 10/09/25 11:00
Matrix: Water
Date Received: 10/10/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			1068511	SXS	EET EDI	10/15/25 13:29
Total/NA	Analysis	8270E SIM		1	1068569	MME	EET EDI	10/16/25 00:23

Client Sample ID: LTMW-12
Lab Sample ID: 480-233448-7
Date Collected: 10/08/25 16:10
Matrix: Water
Date Received: 10/10/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	759664	ATG	EET BUF	10/15/25 15:47
Total/NA	Prep	3510C			1068511	SXS	EET EDI	10/15/25 13:29
Total/NA	Analysis	8270E SIM		1	1068569	MME	EET EDI	10/16/25 00:43

Client Sample ID: LTMW-13
Lab Sample ID: 480-233448-8
Date Collected: 10/08/25 17:30
Matrix: Water
Date Received: 10/10/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	759664	ATG	EET BUF	10/15/25 16:10
Total/NA	Prep	3510C			1068511	SXS	EET EDI	10/15/25 13:29
Total/NA	Analysis	8270E SIM		1	1068569	MME	EET EDI	10/16/25 01:04

Client Sample ID: LTMW-14
Lab Sample ID: 480-233448-9
Date Collected: 10/09/25 11:45
Matrix: Water
Date Received: 10/10/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	759664	ATG	EET BUF	10/15/25 16:33
Total/NA	Prep	3510C			1068511	SXS	EET EDI	10/15/25 13:29
Total/NA	Analysis	8270E SIM		1	1068569	MME	EET EDI	10/16/25 01:25

Client Sample ID: LTMW-15
Lab Sample ID: 480-233448-10
Date Collected: 10/09/25 09:55
Matrix: Water
Date Received: 10/10/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	759664	ATG	EET BUF	10/15/25 16:56
Total/NA	Prep	3510C			1068511	SXS	EET EDI	10/15/25 13:29
Total/NA	Analysis	8270E SIM		1	1068569	MME	EET EDI	10/16/25 01:46

Client Sample ID: ORS
Lab Sample ID: 480-233448-11
Date Collected: 10/09/25 12:40
Matrix: Water
Date Received: 10/10/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	759664	ATG	EET BUF	10/15/25 17:20
Total/NA	Prep	3510C			1068511	SXS	EET EDI	10/15/25 13:29
Total/NA	Analysis	8270E SIM		1	1068569	MME	EET EDI	10/16/25 02:07

Lab Chronicle

Client Sample ID: MH-1
Lab Sample ID: 480-233448-12
Date Collected: 10/09/25 08:45
Matrix: Water
Date Received: 10/10/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	759664	ATG	EET BUF	10/15/25 17:43
Total/NA	Prep	3510C			1068511	SXS	EET EDI	10/15/25 13:29
Total/NA	Analysis	8270E SIM		1	1068569	MME	EET EDI	10/16/25 02:28

Client Sample ID: Field Duplicate
Lab Sample ID: 480-233448-13
Date Collected: 10/09/25 00:00
Matrix: Water
Date Received: 10/10/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	759664	ATG	EET BUF	10/15/25 18:06
Total/NA	Prep	3510C			1068511	SXS	EET EDI	10/15/25 13:29
Total/NA	Analysis	8270E SIM		1	1068569	MME	EET EDI	10/16/25 02:49

Client Sample ID: MW-EPA-01R
Lab Sample ID: 480-233448-14
Date Collected: 10/09/25 13:10
Matrix: Water
Date Received: 10/10/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	759664	ATG	EET BUF	10/15/25 18:29
Total/NA	Prep	3510C			1068511	SXS	EET EDI	10/15/25 13:29
Total/NA	Analysis	8270E SIM		1	1068569	MME	EET EDI	10/16/25 03:10

Client Sample ID: MW-EPA-03R
Lab Sample ID: 480-233448-15
Date Collected: 10/08/25 15:05
Matrix: Water
Date Received: 10/10/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	759664	ATG	EET BUF	10/15/25 18:52
Total/NA	Prep	3510C			1068511	SXS	EET EDI	10/15/25 13:29
Total/NA	Analysis	8270E SIM		1	1068569	MME	EET EDI	10/16/25 03:31

Client Sample ID: Trip Blank
Lab Sample ID: 480-233448-16
Date Collected: 10/09/25 00:00
Matrix: Water
Date Received: 10/10/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	759664	ATG	EET BUF	10/15/25 19:15

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: Groundwater & Environmental Services, Inc. Job ID: 480-233448-1

Laboratory: Eurofins Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260C		Water	Total BTEX

Laboratory: Eurofins Edison

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Connecticut	State	PH-0818	09-30-26
DE Haz. Subst. Cleanup Act (HSCA)	State	N/A	01-03-26
Illinois	NELAP	2000942025-2	04-30-26
Massachusetts	State	M-NJ312	06-30-26
New Jersey	NELAP	12028	06-30-26
New York	NELAP	11452	04-01-26
Pennsylvania	NELAP	68-00522	02-28-26
Rhode Island	State	LAO00376	12-23-25
USDA	US Federal Programs	525-24-149-77606	05-21-27

Method Summary

Client: Groundwater & Environmental Services, Inc. Job ID: 480-233448-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
8270E SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	EET EDI
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET EDI
5030C	Purge and Trap	SW846	EET BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: Groundwater & Environmental Services, Inc. Job ID: 480-233448-1
Project/Site:

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
480-233448-1	LTMW-01	Water	10/09/25 12:45	10/10/25 09:30	New York
480-233448-2	LTMW-02	Water	10/09/25 12:20	10/10/25 09:30	New York
480-233448-3	LTMW-03	Water	10/09/25 11:35	10/10/25 09:30	New York
480-233448-4	LTMW-04	Water	10/09/25 10:25	10/10/25 09:30	New York
480-233448-5	LTMW-05	Water	10/09/25 09:30	10/10/25 09:30	New York
480-233448-6	LTMW-06A	Water	10/09/25 11:00	10/10/25 09:30	New York
480-233448-7	LTMW-12	Water	10/08/25 16:10	10/10/25 09:30	New York
480-233448-8	LTMW-13	Water	10/08/25 17:30	10/10/25 09:30	New York
480-233448-9	LTMW-14	Water	10/09/25 11:45	10/10/25 09:30	New York
480-233448-10	LTMW-15	Water	10/09/25 09:55	10/10/25 09:30	New York
480-233448-11	ORS	Water	10/09/25 12:40	10/10/25 09:30	New York
480-233448-12	MH-1	Water	10/09/25 08:45	10/10/25 09:30	New York
480-233448-13	Field Duplicate	Water	10/09/25 00:00	10/10/25 09:30	New York
480-233448-14	MW-EPA-01R	Water	10/09/25 13:10	10/10/25 09:30	New York
480-233448-15	MW-EPA-03R	Water	10/08/25 15:05	10/10/25 09:30	New York
480-233448-16	Trip Blank	Water	10/09/25 00:00	10/10/25 09:30	New York

10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Phone (716) 691-7991

Chain of Custody Record

Syracuse
225

eurofins | Environment Testing

Client Information	Sampler: Kenny	Lab PM: Beninati, John	Carrier Tracking No(s):	COC No: 480-203393-40374.1
Client Contact: Tim Beaumont	Phone: 315 877 1365	E-Mail: John.Beninati@et.eurofinsus.com	State of Origin:	Page: Page 1 of 2
Company: Groundwater & Environmental Services Inc	PWSID:	Analysis Requested		Job #:
Address: 6780 Northern Boulevard Suite 100	Due Date Requested:			Preservation Codes: A - HCL N - None
City: East Syracuse	TAT Requested (days):			
State, Zip: NY, 13057	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 0625050-120788-221-1106			
Email: tbeaumont@gesonline.com	WO #:			480-233448 Chain of Custody
Project Name: Saratoga Quarterly Main Site GW Event Desc: Saratoga Main Site	Project #: 48027231			
Site: Saratoga Quarterly Main Site GWS	SSOW#:			Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - BTEX - 8260	8270E_SIM - PAH Semivolatiles	Total Number of con	Special Instructions/Note:
			Preservation Code:				A	N		
LTMW-01	10/9/25	12:45	G	Water			2	3	5	
LTMW-02	10/9/25	12:20	G	Water			2	3	5	
LTMW-03	10/9/25	11:35	G	Water			2	3	5	
LTMW-04	10/9/25	10:25	G	Water			2	3	5	
LTMW-04-MS	10/9/25	10:25	G	Water			2	3	5	
LTMW-04-MSD	10/9/25	10:25	G	Water			2	3	5	
LTMW-05	10/9/25	09:30	G	Water			2	3	5	
LTMW-06A	10/9/25	11:10	G	Water			2	3	5	
LTMW-12	10/8/25	16:10	G	Water			2	3	5	
LTMW-13	10/8/25	17:30	G	Water			2	3	5	
LTMW-14	10/9/25	11:45	G	Water			2	3	5	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) CAT B DELIVERY

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	[signature] OES	10/9/25 1615		[signature]	10/9/25 1615	
2	[signature]	10/9/25 1900		[signature]	10/10/25 0830	
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3.0, 2.7, 3.5, 4.1

Ver: 05/06/2024

10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Phone (716) 691-7991

Chain of Custody Record

Syracuse # 225

eurofins | Environment Testing

Client Information	Sampler:	Lab PM: Beninati, John	Carrier Tracking No(s):	COC No: 480-203393-40374.2
Client Contact: Tim Beaumont	Phone: 315 977 1364	E-Mail: John.Beninati@et.eurofinsus.com	State of Origin:	Page: Page 2 of 2
Company: Groundwater & Environmental Services Inc	PWSID:	Analysis Requested		Job #:
Address: 6780 Northern Boulevard Suite 100	Due Date Requested:			Preservation Codes: A - HCL N - None
City: East Syracuse	TAT Requested (days):			
State, Zip: NY, 13057	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 0625050-120788-221-1106			
Email: tbeaumont@gesonline.com	WO #:			
Project Name: Saratoga Quarterly Main Site GW Event Desc: Saratoga Main Site	Project #: 48027231			
Site: Saratoga Quarterly Main Site GWS	SSOW#:			Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - BTEX - 8260	8270E_SIM - PAH Semivolatiles	Total Number of containers	Special Instructions/Note:
Preservation Code:							A	N		
LTMW-15	10/9/25	0955	G	Water			3	2	5	
ORS	10/9/25	12:40	G	Water			3	2	5	
MH-1	10/9/25	0845	G	Water			3	2	5	
Field Duplicate	10/9/25		G	Water			3	2	5	
MW-EPA-01R	10/9/25	1310	G	Water			3	2	5	
MW-EPA-03R	10/9/25	15:05	G	Water			3	2	5	
Trip Blank				Water				2	2	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) CAT B DELIVERY

Special Instructions/QC Requirements:

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature] AFES	10/9/25 1605		[signature]	10/9/25 1615	
[signature]	10/10/25 1000		[signature]	10/10/25 0930	EUROFINS

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

Ver: 05/06/2024

10/17/2025

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins
Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Beninati, John	Carrier Tracking No(s): N/A	COC No: 480-95307 1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: John.Beninati@et.eurofinsus.com	State of Origin: New York	Page: Page 1 of 2
Company: Eurofins Environment Testing Northeast L		Accreditations Required (See note): NELAP New York		Job #: 480-233448-1
Address: 777 New Durham Road,	Due Date Requested: 10/23/2025			Preservation Codes:
City: Edison	TAT Requested (days): N/A			
State, Zip: NJ, 08817				
Phone: 732-549-3900(Tel) 732-549-3679(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: National Grid Upstate New York OM&M	Project #: 48027231			
Site: National Grid Upstate NY OM&M	SSOW#: N/A			Other: N/A

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270E_SIM/3510C_LVIPAH SemiVolatiles	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
LTMW-01 (480-233448-1)	10/9/25	12:45 Eastern	G	Water			X	2	
LTMW-02 (480-233448-2)	10/9/25	12:20 Eastern	G	Water			X	2	
LTMW-03 (480-233448-3)	10/9/25	11:35 Eastern	G	Water			X	2	
LTMW-04 (480-233448-4)	10/9/25	10:25 Eastern	G	Water			X	2	
LTMW-04 (480-233448-4MS)	10/9/25	10:25 Eastern	G	Water			X	2	
LTMW-04 (480-233448-4MSD)	10/9/25	10:25 Eastern	G	Water			X	2	
LTMW-05 (480-233448-5)	10/9/25	09:30 Eastern	G	Water			X	2	
LTMW-06A (480-233448-6)	10/9/25	11:00 Eastern	G	Water			X	2	
LTMW-12 (480-233448-7)	10/8/25	16:10 Eastern	G	Water			X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I II, III IV Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
VP	10-10-25 1600		Emily Mafu	10/11/25 0934	ETA
Relinquished by:	Date/Time:	Company	Received by: FEDEX	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No. 2879025	Cooler Temperature(s) °C and Other Remarks: TR#9 38135

Ver: 10/10/2024

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691 7991

Chain of Custody Record

eurofins
Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Beninati, John	Carrier Tracking No(s): N/A	COC No: 480-95307.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: John.Beninati@et.eurofinsus.com	State of Origin: New York	Page: Page 2 of 2
Company: Eurofins Environment Testing Northeast L		Accreditations Required (See note): NELAP New York		Job #: 480-233448-1
Address: 777 New Durham Road,	Due Date Requested: 10/23/2025			Preservation Codes:
City: Edison	TAT Requested (days): N/A			
State, Zip: NJ, 08817				
Phone: 732-549-3900(Tel) 732-549-3679(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: National Grid Upstate New York OM&M	Project #: 48027231			
Site: National Grid Upstate NY OM&M	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270E_SIM/3510C_LVIPAH Semivolatiles	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
LTMW-13 (480-233448-8)	10/8/25	17:30 Eastern	G	Water			X	2	
LTMW-14 (480-233448-9)	10/9/25	11:45 Eastern	G	Water			X	2	
LTMW-15 (480-233448-10)	10/9/25	09:55 Eastern	G	Water			X	2	
ORS (480-233448-11)	10/9/25	12:40 Eastern	G	Water			X	2	
MH-1 (480-233448-12)	10/9/25	08:45 Eastern	G	Water			X	2	
Field Duplicate (480-233448-13)	10/9/25	Eastern	G	Water			X	2	
MW-EPA-01R (480-233448-14)	10/9/25	13:10 Eastern	G	Water			X	2	
MW-EPA-03R (480-233448-15)	10/8/25	15:05 Eastern	G	Water			X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I II III, IV Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
			Ernesto Rivera	10/10/25 09:34	ET
Relinquished by:	Date/Time:	Company	Received by: FEDEX	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No. 2979025	Cooler Temperature(s) °C and Other Remarks:

10/17/2025

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services, Inc.

Job Number: 480-233448-1

Login Number: 233448
List Number: 1
Creator: Yeager, Brian A

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.0,2.7,3.5,4.1 ICE IR# SC
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	GES
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services, Inc.

Job Number: 480-233448-1

Login Number: 233448
List Number: 2
Creator: Rivera, Kenneth

List Source: Eurofins Edison
List Creation: 10/14/25 06:06 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	2879025
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.5°C, IR #9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Tim Beaumont
Groundwater & Environmental Services, Inc.
6780 Northern Boulevard
Suite 100
East Syracuse, New York 13057

Generated 10/22/2025 2:38:21 AM

JOB DESCRIPTION

National Grid - Upstate New York OM&M
Saratoga SA Former Skating Rink GWS

JOB NUMBER

480-233447-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization

Generated
10/22/2025 2:38:21 AM

Authorized for release by
John Beninati, Project Manager I
John.Beninati@et.eurofinsus.com
(716)504-9874

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Detection Summary 6
Client Sample Results 7
Surrogate Summary 10
QC Sample Results 11
QC Association Summary 14
Lab Chronicle 15
Certification Summary 16
Method Summary 17
Sample Summary 18
Chain of Custody 19
Receipt Checklists 21

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 480-233447-1 Eurofins Buffalo

Job Narrative
480-233447-1

Receipt
The samples were received on 10/10/2025 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.1º C.

GC/MS VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270E SIM: The continuing calibration verification (CCV) analyzed in batch 460-1068569 was outside the method criteria for the following analyte(s): Dibenz(a,h)anthracene and Indeno[1,2,3-cd]pyrene. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Groundwater & Environmental Services, Inc. Job ID: 480-233447-1
Project/Site: National Grid - Upstate New York OM&M

Client Sample ID: LMTW-06 Lab Sample ID: 480-233447-1

No Detections.

Client Sample ID: LMTW-07 Lab Sample ID: 480-233447-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.37		0.050	0.014	ug/L	1		8270E SIM	Total/NA
Acenaphthylene	0.38		0.050	0.015	ug/L	1		8270E SIM	Total/NA
Anthracene	0.46		0.050	0.025	ug/L	1		8270E SIM	Total/NA
Benzo[a]anthracene	0.42		0.050	0.016	ug/L	1		8270E SIM	Total/NA
Benzo[a]pyrene	0.34		0.050	0.022	ug/L	1		8270E SIM	Total/NA
Benzo[b]fluoranthene	0.33		0.050	0.024	ug/L	1		8270E SIM	Total/NA
Benzo[g,h,i]perylene	0.25		0.050	0.035	ug/L	1		8270E SIM	Total/NA
Benzo[k]fluoranthene	0.41		0.050	0.028	ug/L	1		8270E SIM	Total/NA
Chrysene	0.42		0.050	0.030	ug/L	1		8270E SIM	Total/NA
Dibenz(a,h)anthracene	0.18		0.050	0.020	ug/L	1		8270E SIM	Total/NA
Fluoranthene	0.49		0.050	0.039	ug/L	1		8270E SIM	Total/NA
Fluorene	0.41		0.050	0.012	ug/L	1		8270E SIM	Total/NA
Indeno[1,2,3-cd]pyrene	0.20		0.050	0.036	ug/L	1		8270E SIM	Total/NA
Naphthalene	0.33		0.20	0.12	ug/L	1		8270E SIM	Total/NA
Phenanthrene	0.42		0.050	0.022	ug/L	1		8270E SIM	Total/NA
Pyrene	0.52		0.050	0.031	ug/L	1		8270E SIM	Total/NA

Client Sample ID: LMTW-08 Lab Sample ID: 480-233447-3

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: LMTW-06

Lab Sample ID: 480-233447-1

Date Collected: 10/09/25 09:40

Matrix: Water

Date Received: 10/10/25 09:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/20/25 18:00	1
Toluene	ND		1.0	0.51	ug/L			10/20/25 18:00	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/20/25 18:00	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/20/25 18:00	1
o-Xylene	ND		1.0	0.76	ug/L			10/20/25 18:00	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/20/25 18:00	1
Total BTEX	ND		2.0	1.0	ug/L			10/20/25 18:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*80 - 120*		*10/20/25 18:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*77 - 120*		*10/20/25 18:00*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*10/20/25 18:00*	*1*
Dibromofluoromethane (Surr)	*89*		*75 - 123*		*10/20/25 18:00*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.050	0.014	ug/L		10/15/25 13:29	10/15/25 21:55	1
Acenaphthylene	ND		0.050	0.015	ug/L		10/15/25 13:29	10/15/25 21:55	1
Anthracene	ND		0.050	0.025	ug/L		10/15/25 13:29	10/15/25 21:55	1
Benzo[a]anthracene	ND		0.050	0.016	ug/L		10/15/25 13:29	10/15/25 21:55	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		10/15/25 13:29	10/15/25 21:55	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		10/15/25 13:29	10/15/25 21:55	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		10/15/25 13:29	10/15/25 21:55	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		10/15/25 13:29	10/15/25 21:55	1
Chrysene	ND		0.050	0.030	ug/L		10/15/25 13:29	10/15/25 21:55	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		10/15/25 13:29	10/15/25 21:55	1
Fluoranthene	ND		0.050	0.039	ug/L		10/15/25 13:29	10/15/25 21:55	1
Fluorene	ND		0.050	0.012	ug/L		10/15/25 13:29	10/15/25 21:55	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		10/15/25 13:29	10/15/25 21:55	1
Naphthalene	ND		0.20	0.12	ug/L		10/15/25 13:29	10/15/25 21:55	1
Phenanthrene	ND		0.050	0.022	ug/L		10/15/25 13:29	10/15/25 21:55	1
Pyrene	ND		0.050	0.031	ug/L		10/15/25 13:29	10/15/25 21:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*97*		*36 - 150*	*10/15/25 13:29*	*10/15/25 21:55*	*1*
2-Fluorobiphenyl (Surr)	*78*		*33 - 150*	*10/15/25 13:29*	*10/15/25 21:55*	*1*

Client Sample ID: LMTW-07

Lab Sample ID: 480-233447-2

Date Collected: 10/09/25 12:10

Matrix: Water

Date Received: 10/10/25 09:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/20/25 18:24	1
Toluene	ND		1.0	0.51	ug/L			10/20/25 18:24	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/20/25 18:24	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/20/25 18:24	1
o-Xylene	ND		1.0	0.76	ug/L			10/20/25 18:24	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/20/25 18:24	1
Total BTEX	ND		2.0	1.0	ug/L			10/20/25 18:24	1

Client Sample ID: LMTW-07

Lab Sample ID: 480-233447-2
Date Collected: 10/09/25 12:10
Matrix: Water
Date Received: 10/10/25 09:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*94*		*80 - 120*		*10/20/25 18:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*77 - 120*		*10/20/25 18:24*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*10/20/25 18:24*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 123*		*10/20/25 18:24*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.37**		0.050	0.014	ug/L		10/15/25 13:29	10/15/25 22:16	1
Acenaphthylene	**0.38**		0.050	0.015	ug/L		10/15/25 13:29	10/15/25 22:16	1
Anthracene	**0.46**		0.050	0.025	ug/L		10/15/25 13:29	10/15/25 22:16	1
Benzo[a]anthracene	**0.42**		0.050	0.016	ug/L		10/15/25 13:29	10/15/25 22:16	1
Benzo[a]pyrene	**0.34**		0.050	0.022	ug/L		10/15/25 13:29	10/15/25 22:16	1
Benzo[b]fluoranthene	**0.33**		0.050	0.024	ug/L		10/15/25 13:29	10/15/25 22:16	1
Benzo[g,h,i]perylene	**0.25**		0.050	0.035	ug/L		10/15/25 13:29	10/15/25 22:16	1
Benzo[k]fluoranthene	**0.41**		0.050	0.028	ug/L		10/15/25 13:29	10/15/25 22:16	1
Chrysene	**0.42**		0.050	0.030	ug/L		10/15/25 13:29	10/15/25 22:16	1
Dibenz(a,h)anthracene	**0.18**		0.050	0.020	ug/L		10/15/25 13:29	10/15/25 22:16	1
Fluoranthene	**0.49**		0.050	0.039	ug/L		10/15/25 13:29	10/15/25 22:16	1
Fluorene	**0.41**		0.050	0.012	ug/L		10/15/25 13:29	10/15/25 22:16	1
Indeno[1,2,3-cd]pyrene	**0.20**		0.050	0.036	ug/L		10/15/25 13:29	10/15/25 22:16	1
Naphthalene	**0.33**		0.20	0.12	ug/L		10/15/25 13:29	10/15/25 22:16	1
Phenanthrene	**0.42**		0.050	0.022	ug/L		10/15/25 13:29	10/15/25 22:16	1
Pyrene	**0.52**		0.050	0.031	ug/L		10/15/25 13:29	10/15/25 22:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	*105*		*36 - 150*	*10/15/25 13:29*	*10/15/25 22:16*	*1*
2-Fluorobiphenyl (Surr)	*87*		*33 - 150*	*10/15/25 13:29*	*10/15/25 22:16*	*1*

Client Sample ID: LMTW-08

Lab Sample ID: 480-233447-3
Date Collected: 10/09/25 10:35
Matrix: Water
Date Received: 10/10/25 09:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/20/25 18:48	1
Toluene	ND		1.0	0.51	ug/L			10/20/25 18:48	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/20/25 18:48	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/20/25 18:48	1
o-Xylene	ND		1.0	0.76	ug/L			10/20/25 18:48	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/20/25 18:48	1
Total BTEX	ND		2.0	1.0	ug/L			10/20/25 18:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*93*		*80 - 120*		*10/20/25 18:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*77 - 120*		*10/20/25 18:48*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*10/20/25 18:48*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 123*		*10/20/25 18:48*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.050	0.014	ug/L		10/15/25 13:29	10/15/25 22:37	1

Client: Groundwater & Environmental Services, Inc. Job ID: 480-233447-1
Project/Site: National Grid - Upstate New York OM&M

Client Sample ID: LMTW-08 **Lab Sample ID: 480-233447-3**
Date Collected: 10/09/25 10:35 **Matrix: Water**
Date Received: 10/10/25 09:30

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND		0.050	0.015	ug/L		10/15/25 13:29	10/15/25 22:37	1
Anthracene	ND		0.050	0.025	ug/L		10/15/25 13:29	10/15/25 22:37	1
Benzo[a]anthracene	ND		0.050	0.016	ug/L		10/15/25 13:29	10/15/25 22:37	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		10/15/25 13:29	10/15/25 22:37	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		10/15/25 13:29	10/15/25 22:37	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		10/15/25 13:29	10/15/25 22:37	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		10/15/25 13:29	10/15/25 22:37	1
Chrysene	ND		0.050	0.030	ug/L		10/15/25 13:29	10/15/25 22:37	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		10/15/25 13:29	10/15/25 22:37	1
Fluoranthene	ND		0.050	0.039	ug/L		10/15/25 13:29	10/15/25 22:37	1
Fluorene	ND		0.050	0.012	ug/L		10/15/25 13:29	10/15/25 22:37	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		10/15/25 13:29	10/15/25 22:37	1
Naphthalene	ND		0.20	0.12	ug/L		10/15/25 13:29	10/15/25 22:37	1
Phenanthrene	ND		0.050	0.022	ug/L		10/15/25 13:29	10/15/25 22:37	1
Pyrene	ND		0.050	0.031	ug/L		10/15/25 13:29	10/15/25 22:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*97*		*36 - 150*	*10/15/25 13:29*	*10/15/25 22:37*	*1*
2-Fluorobiphenyl (Surr)	*81*		*33 - 150*	*10/15/25 13:29*	*10/15/25 22:37*	*1*

Surrogate Summary

Client: Groundwater & Environmental Services, Inc.
Project/Site: National Grid - Upstate New York OM&M

Job ID: 480-233447-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DCA	BFB	DBFM
Lab Sample ID	Client Sample ID	(80-120)	(77-120)	(73-120)	(75-123)
480-233447-1	LMTW-06	92	89	98	89
480-233447-2	LMTW-07	94	92	96	93
480-233447-3	LMTW-08	93	91	94	94
LCS 480-760091/6	Lab Control Sample	93	94	101	97
MB 480-760091/8	Method Blank	93	88	94	91

Surrogate Legend

TOL = Toluene-d8 (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
		NBZ	FBP
Lab Sample ID	Client Sample ID	(36-150)	(33-150)
480-233447-1	LMTW-06	97	78
480-233447-2	LMTW-07	105	87
480-233447-3	LMTW-08	97	81
LCS 460-1068511/2-A	Lab Control Sample	99	75
LCSD 460-1068511/3-A	Lab Control Sample Dup	104	79
MB 460-1068511/1-A	Method Blank	101	79

Surrogate Legend

NBZ = Nitrobenzene-d5 (Surr)
FBP = 2-Fluorobiphenyl (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-760091/8
Matrix: Water
Analysis Batch: 760091

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/20/25 12:58	1
Toluene	ND		1.0	0.51	ug/L			10/20/25 12:58	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/20/25 12:58	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/20/25 12:58	1
o-Xylene	ND		1.0	0.76	ug/L			10/20/25 12:58	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/20/25 12:58	1
Total BTEX	ND		2.0	1.0	ug/L			10/20/25 12:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*93*		*80 - 120*		*10/20/25 12:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*88*		*77 - 120*		*10/20/25 12:58*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*10/20/25 12:58*	*1*
Dibromofluoromethane (Surr)	*91*		*75 - 123*		*10/20/25 12:58*	*1*

Lab Sample ID: LCS 480-760091/6
Matrix: Water
Analysis Batch: 760091

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	25.0	25.0		ug/L		100	71 - 124
Toluene	25.0	23.7		ug/L		95	80 - 122
Ethylbenzene	25.0	23.0		ug/L		92	77 - 123
m-Xylene & p-Xylene	25.0	24.8		ug/L		99	76 - 122
o-Xylene	25.0	23.4		ug/L		94	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*93*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*94*		*77 - 120*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*
Dibromofluoromethane (Surr)	*97*		*75 - 123*

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Lab Sample ID: MB 460-1068511/1-A
Matrix: Water
Analysis Batch: 1068569

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1068511

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.050	0.014	ug/L		10/15/25 13:27	10/15/25 20:30	1
Acenaphthylene	ND		0.050	0.015	ug/L		10/15/25 13:27	10/15/25 20:30	1
Anthracene	ND		0.050	0.025	ug/L		10/15/25 13:27	10/15/25 20:30	1
Benzo[a]anthracene	ND		0.050	0.016	ug/L		10/15/25 13:27	10/15/25 20:30	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		10/15/25 13:27	10/15/25 20:30	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		10/15/25 13:27	10/15/25 20:30	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		10/15/25 13:27	10/15/25 20:30	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		10/15/25 13:27	10/15/25 20:30	1
Chrysene	ND		0.050	0.030	ug/L		10/15/25 13:27	10/15/25 20:30	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		10/15/25 13:27	10/15/25 20:30	1

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: MB 460-1068511/1-A
Matrix: Water
Analysis Batch: 1068569

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1068511

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		0.050	0.039	ug/L		10/15/25 13:27	10/15/25 20:30	1
Fluorene	ND		0.050	0.012	ug/L		10/15/25 13:27	10/15/25 20:30	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		10/15/25 13:27	10/15/25 20:30	1
Naphthalene	ND		0.20	0.12	ug/L		10/15/25 13:27	10/15/25 20:30	1
Phenanthrene	ND		0.050	0.022	ug/L		10/15/25 13:27	10/15/25 20:30	1
Pyrene	ND		0.050	0.031	ug/L		10/15/25 13:27	10/15/25 20:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*101*		*36 - 150*	*10/15/25 13:27*	*10/15/25 20:30*	*1*
2-Fluorobiphenyl (Surr)	*79*		*33 - 150*	*10/15/25 13:27*	*10/15/25 20:30*	*1*

Lab Sample ID: LCS 460-1068511/2-A
Matrix: Water
Analysis Batch: 1068569

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1068511

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	2.00	1.51		ug/L		76	42 - 150
Acenaphthylene	2.00	1.69		ug/L		84	22 - 150
Anthracene	2.00	2.04		ug/L		102	22 - 150
Benzo[a]anthracene	2.00	2.23		ug/L		111	47 - 150
Benzo[a]pyrene	2.00	2.30		ug/L		115	34 - 150
Benzo[b]fluoranthene	2.00	2.15		ug/L		108	33 - 150
Benzo[g,h,i]perylene	2.00	2.11		ug/L		105	19 - 150
Benzo[k]fluoranthene	2.00	2.64		ug/L		132	30 - 150
Chrysene	2.00	2.38		ug/L		119	47 - 150
Dibenz(a,h)anthracene	2.00	1.77		ug/L		88	12 - 150
Fluoranthene	2.00	2.31		ug/L		115	36 - 150
Fluorene	2.00	1.87		ug/L		94	24 - 150
Indeno[1,2,3-cd]pyrene	2.00	1.70		ug/L		85	14 - 134
Naphthalene	2.00	1.36		ug/L		68	41 - 147
Phenanthrene	2.00	1.86		ug/L		93	13 - 150
Pyrene	2.00	2.51		ug/L		125	46 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*99*		*36 - 150*
2-Fluorobiphenyl (Surr)	*75*		*33 - 150*

Lab Sample ID: LCSD 460-1068511/3-A
Matrix: Water
Analysis Batch: 1068569

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1068511

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	2.00	1.60		ug/L		80	42 - 150	6	30
Acenaphthylene	2.00	1.73		ug/L		87	22 - 150	3	30
Anthracene	2.00	2.10		ug/L		105	22 - 150	3	30
Benzo[a]anthracene	2.00	2.16		ug/L		108	47 - 150	3	30
Benzo[a]pyrene	2.00	2.27		ug/L		113	34 - 150	1	30
Benzo[b]fluoranthene	2.00	2.10		ug/L		105	33 - 150	2	30

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: LCSD 460-1068511/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 1068569
Prep Batch: 1068511

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzo[g,h,i]perylene			2.00	2.13		ug/L		106	19 - 150	1	30
Benzo[k]fluoranthene			2.00	2.52		ug/L		126	30 - 150	5	30
Chrysene			2.00	2.23		ug/L		111	47 - 150	7	30
Dibenz(a,h)anthracene			2.00	1.83		ug/L		92	12 - 150	4	30
Fluoranthene			2.00	2.19		ug/L		109	36 - 150	5	30
Fluorene			2.00	1.91		ug/L		96	24 - 150	2	30
Indeno[1,2,3-cd]pyrene			2.00	1.76		ug/L		88	14 - 134	3	30
Naphthalene			2.00	1.36		ug/L		68	41 - 147	0	30
Phenanthrene			2.00	1.92		ug/L		96	13 - 150	3	30
Pyrene			2.00	2.41		ug/L		120	46 - 150	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*104*		*36 - 150*
2-Fluorobiphenyl (Surr)	*79*		*33 - 150*

QC Association Summary

Client: Groundwater & Environmental Services, Inc. Job ID: 480-233447-1
Project/Site: National Grid - Upstate New York OM&M

GC/MS VOA

Analysis Batch: 760091

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-233447-1	LMTW-06	Total/NA	Water	8260C	
480-233447-2	LMTW-07	Total/NA	Water	8260C	
480-233447-3	LMTW-08	Total/NA	Water	8260C	
MB 480-760091/8	Method Blank	Total/NA	Water	8260C	
LCS 480-760091/6	Lab Control Sample	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 1068511

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-233447-1	LMTW-06	Total/NA	Water	3510C	
480-233447-2	LMTW-07	Total/NA	Water	3510C	
480-233447-3	LMTW-08	Total/NA	Water	3510C	
MB 460-1068511/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-1068511/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-1068511/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 1068569

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-233447-1	LMTW-06	Total/NA	Water	8270E SIM	1068511
480-233447-2	LMTW-07	Total/NA	Water	8270E SIM	1068511
480-233447-3	LMTW-08	Total/NA	Water	8270E SIM	1068511
MB 460-1068511/1-A	Method Blank	Total/NA	Water	8270E SIM	1068511
LCS 460-1068511/2-A	Lab Control Sample	Total/NA	Water	8270E SIM	1068511
LCSD 460-1068511/3-A	Lab Control Sample Dup	Total/NA	Water	8270E SIM	1068511

Lab Chronicle

Client: Groundwater & Environmental Services, Inc. Job ID: 480-233447-1
Project/Site: National Grid - Upstate New York OM&M

Client Sample ID: LMTW-06 — Lab Sample ID: 480-233447-1

Date Collected: 10/09/25 09:40 — **Matrix: Water**
Date Received: 10/10/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	760091	AXK	EET BUF	10/20/25 18:00
Total/NA	Prep	3510C			1068511	SXS	EET EDI	10/15/25 13:29
Total/NA	Analysis	8270E SIM		1	1068569	MME	EET EDI	10/15/25 21:55

Client Sample ID: LMTW-07 — Lab Sample ID: 480-233447-2

Date Collected: 10/09/25 12:10 — **Matrix: Water**
Date Received: 10/10/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	760091	AXK	EET BUF	10/20/25 18:24
Total/NA	Prep	3510C			1068511	SXS	EET EDI	10/15/25 13:29
Total/NA	Analysis	8270E SIM		1	1068569	MME	EET EDI	10/15/25 22:16

Client Sample ID: LMTW-08 — Lab Sample ID: 480-233447-3

Date Collected: 10/09/25 10:35 — **Matrix: Water**
Date Received: 10/10/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	760091	AXK	EET BUF	10/20/25 18:48
Total/NA	Prep	3510C			1068511	SXS	EET EDI	10/15/25 13:29
Total/NA	Analysis	8270E SIM		1	1068569	MME	EET EDI	10/15/25 22:37

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: Groundwater & Environmental Services, Inc. Job ID: 480-233447-1
Project/Site: National Grid - Upstate New York OM&M

Laboratory: Eurofins Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260C		Water	Total BTEX

Laboratory: Eurofins Edison

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Connecticut	State	PH-0818	09-30-26
DE Haz. Subst. Cleanup Act (HSCA)	State	N/A	01-03-26
Illinois	NELAP	2000942025-2	04-30-26
Massachusetts	State	M-NJ312	06-30-26
New Jersey	NELAP	12028	06-30-26
New York	NELAP	11452	04-01-26
Pennsylvania	NELAP	68-00522	02-28-26
Rhode Island	State	LAO00376	12-23-25
USDA	US Federal Programs	525-24-149-77606	05-21-27

Method Summary

Client: Groundwater & Environmental Services, Inc.
Job ID: 480-233447-1
Project/Site: National Grid - Upstate New York OM&M

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
8270E SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	EET EDI
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET EDI
5030C	Purge and Trap	SW846	EET BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: Groundwater & Environmental Services, Inc.
Job ID: 480-233447-1
Project/Site: National Grid - Upstate New York OM&M

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
480-233447-1	LMTW-06	Water	10/09/25 09:40	10/10/25 09:30	New York
480-233447-2	LMTW-07	Water	10/09/25 12:10	10/10/25 09:30	New York
480-233447-3	LMTW-08	Water	10/09/25 10:35	10/10/25 09:30	New York

10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Phone (716) 691-7991

Chain of Custody Record

Syracuse #225

eurofins | Environment Testing

Client Information	Sampler: KEVIN LEE	Lab PM: Beninati, John	Carrier Tracking No(s):	COC No: 480-199983-40375.1
Client Contact: Tim Beaumont	Phone: 315 877 1365	E-Mail: John.Beninati@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: Groundwater & Environmental Services Inc	PWSID:	Analysis Requested		Job #:
Address: 6780 Northern Boulevard Suite 100	Due Date Requested:			Preservation Codes: A - HCL N - None
City: East Syracuse	TAT Requested (days):			
State, Zip: NY, 13057	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 0625050-120788-221-1106			
Email: tbeaumont@gesonline.com	WO #:			
Project Name: Saratoga SA Former Skating Rink GW Event Desc: Saratoga SA	Project #: 48027231			
Site: Saratoga Former Skating Rink GWS	SSOW#:			Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wasteoil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - BTEX - 8260	8270E_SIM - PAH_Semivolatiles	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	N		
LMTW-06	10/9/25	0940	G	Water			3	2	5	
LMTW-07		1210	G	Water			3	2	5	
LMTW-08		1035	G	Water			3	2	5	

480-233447 Chain of Custody

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) CAT B DELIVERY	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	KEVIN LEE	10/9/25 1615			10/9/25 1615	
2		10/9/25 1800			10-10-25 930	TAB
3		Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 4.1 3RT#SC

Ver: 05/06/2024

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins
Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Beninati, John	Carrier Tracking No(s): N/A	COC No: 480-95306.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: John.Beninati@et.eurofinsus.com	State of Origin: New York	Page: Page 1 of 1
Company: Eurofins Environment Testing Northeast L		Accreditations Required (See note): NELAP New York		Job #: 480-233447-1
Address: 777 New Durham Road,	Due Date Requested: 10/23/2025			
City: Edison	TAT Requested (days): N/A			
State, Zip: NJ 08817				
Phone: 732-549-3900(Tel) 732-549-3679(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: National Grid Upstate New York OM&M	Project #: 48027231			
Site: National Grid Upstate NY OM&M	SSOW#: N/A			

Analysis Requested

Preservation Codes:

Other: N/A

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270E_SIM/3510C_LVIPAH Semivolatiles	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
LMTW-06 (480-233447-1)	10/9/25	09:40 Eastern	G	Water			X	2	
LMTW-07 (480-233447-2)	10/9/25	12:10 Eastern	G	Water			X	2	
LMTW-08 (480-233447-3)	10/9/25	10:35 Eastern	G	Water			X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I II III IV Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by: YS	Date/Time: 10-10-25 1600	Company	Received by: Emely Bofa	Date/Time: 10/11/25 0934	Company EJA
Relinquished by:	Date/Time:	Company	Received by: FEDEX	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No. 2879025	Cooler Temperature(s) °C and other Remarks: IR#93.8/3.5

Ver 10/10/2024

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services, Inc.

Job Number: 480-233447-1

Login Number: 233447

List Source: Eurofins Buffalo

List Number: 1

Creator: Yeager, Brian A

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.1 ICE IR# SC
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	GES
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services, Inc.

Job Number: 480-233447-1

Login Number: 233447
List Number: 2
Creator: Rivera, Kenneth

List Source: Eurofins Edison
List Creation: 10/14/25 06:06 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	2879025
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.5°C, IR #9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Tim Beaumont
Groundwater & Environmental Services, Inc.
6780 Northern Boulevard
Suite 100
East Syracuse, New York 13057

Generated 11/7/2025 9:23:08 AM

JOB DESCRIPTION

Saratoga SA Former Skating Rink GWS

JOB NUMBER

480-234149-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization

Generated
11/7/2025 9:23:08 AM

Authorized for release by
John Beninati, Project Manager I
John.Beninati@et.eurofinsus.com
(716)504-9874

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Detection Summary 6
Client Sample Results 7
Surrogate Summary 8
QC Sample Results 9
QC Association Summary 12
Lab Chronicle 13
Certification Summary 14
Method Summary 15
Sample Summary 16
Chain of Custody 17
Receipt Checklists 19

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 480-234149-1 Eurofins Buffalo

Job Narrative
480-234149-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The sample was received on 11/1/2025 10:45 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.0°C.

GC/MS VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA
Method 8270E_SIM: The continuing calibration verification (CCV) analyzed in batch 460-1072856 was outside the method criteria for the following analyte(s): Anthracene, Indeno[1,2,3-cd]pyrene and Pyrene. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: Groundwater & Environmental Services, Inc. Job ID: 480-234149-1

Client Sample ID: LMTW-07 Lab Sample ID: 480-234149-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.017	J	0.050	0.014	ug/L	1		8270E SIM	Total/NA
Benzo[a]anthracene	0.016	J	0.050	0.016	ug/L	1		8270E SIM	Total/NA
Fluorene	0.017	J	0.050	0.012	ug/L	1		8270E SIM	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Groundwater & Environmental Services, Inc. Job ID: 480-234149-1

Client Sample ID: LMTW-07 **Lab Sample ID: 480-234149-1**

Date Collected: 10/31/25 11:35 **Matrix: Water**

Date Received: 11/01/25 10:45

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			11/05/25 15:28	1
Toluene	ND		1.0	0.51	ug/L			11/05/25 15:28	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/05/25 15:28	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/05/25 15:28	1
o-Xylene	ND		1.0	0.76	ug/L			11/05/25 15:28	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/05/25 15:28	1
Total BTEX	ND		2.0	1.0	ug/L			11/05/25 15:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*90*		*80 - 120*		*11/05/25 15:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 120*		*11/05/25 15:28*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*11/05/25 15:28*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*11/05/25 15:28*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.017**	**J**	0.050	0.014	ug/L		11/05/25 15:55	11/07/25 04:45	1
Acenaphthylene	ND		0.050	0.015	ug/L		11/05/25 15:55	11/07/25 04:45	1
Anthracene	ND		0.050	0.025	ug/L		11/05/25 15:55	11/07/25 04:45	1
Benzo[a]anthracene	**0.016**	**J**	0.050	0.016	ug/L		11/05/25 15:55	11/07/25 04:45	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		11/05/25 15:55	11/07/25 04:45	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		11/05/25 15:55	11/07/25 04:45	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		11/05/25 15:55	11/07/25 04:45	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		11/05/25 15:55	11/07/25 04:45	1
Chrysene	ND		0.050	0.030	ug/L		11/05/25 15:55	11/07/25 04:45	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		11/05/25 15:55	11/07/25 04:45	1
Fluoranthene	ND		0.050	0.039	ug/L		11/05/25 15:55	11/07/25 04:45	1
Fluorene	**0.017**	**J**	0.050	0.012	ug/L		11/05/25 15:55	11/07/25 04:45	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		11/05/25 15:55	11/07/25 04:45	1
Naphthalene	ND		0.20	0.12	ug/L		11/05/25 15:55	11/07/25 04:45	1
Phenanthrene	ND		0.050	0.022	ug/L		11/05/25 15:55	11/07/25 04:45	1
Pyrene	ND		0.050	0.031	ug/L		11/05/25 15:55	11/07/25 04:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*113*		*36 - 150*	*11/05/25 15:55*	*11/07/25 04:45*	*1*
2-Fluorobiphenyl (Surr)	*86*		*33 - 150*	*11/05/25 15:55*	*11/07/25 04:45*	*1*

Surrogate Summary

Client: Groundwater & Environmental Services, Inc. Job ID: 480-234149-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DCA	BFB	DBFM
Lab Sample ID	Client Sample ID	(80-120)	(77-120)	(73-120)	(75-123)
480-234149-1	LMTW-07	90	95	97	98
LCS 480-761725/6	Lab Control Sample	92	98	97	100
MB 480-761725/8	Method Blank	90	95	96	96

Surrogate Legend

TOL = Toluene-d8 (Surr)

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		NBZ	FBP		
Lab Sample ID	Client Sample ID	(36-150)	(33-150)		
480-234149-1	LMTW-07	113	86		
LCS 460-1072848/4-A	Lab Control Sample	118	87		
LCSD 460-1072848/5-A	Lab Control Sample Dup	104	87		
MB 460-1072848/1-A	Method Blank	77	55		

Surrogate Legend

NBZ = Nitrobenzene-d5 (Surr)

FBP = 2-Fluorobiphenyl (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-761725/8 **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 761725

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			11/05/25 10:59	1
Toluene	ND		1.0	0.51	ug/L			11/05/25 10:59	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/05/25 10:59	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/05/25 10:59	1
o-Xylene	ND		1.0	0.76	ug/L			11/05/25 10:59	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/05/25 10:59	1
Total BTEX	ND		2.0	1.0	ug/L			11/05/25 10:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*90*		*80 - 120*		*11/05/25 10:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 120*		*11/05/25 10:59*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*11/05/25 10:59*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 123*		*11/05/25 10:59*	*1*

Lab Sample ID: LCS 480-761725/6 **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 761725

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			25.0	25.4		ug/L		102	71 - 124		
Toluene			25.0	25.5		ug/L		102	80 - 122		
Ethylbenzene			25.0	25.9		ug/L		104	77 - 123		
m-Xylene & p-Xylene			25.0	25.9		ug/L		104	76 - 122		
o-Xylene			25.0	25.6		ug/L		102	76 - 122		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*92*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*
Dibromofluoromethane (Surr)	*100*		*75 - 123*

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Lab Sample ID: MB 460-1072848/1-A **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 1072856 **Prep Batch: 1072848**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.050	0.014	ug/L		11/05/25 15:53	11/05/25 23:11	1
Acenaphthylene	ND		0.050	0.015	ug/L		11/05/25 15:53	11/05/25 23:11	1
Anthracene	ND		0.050	0.025	ug/L		11/05/25 15:53	11/05/25 23:11	1
Benzo[a]anthracene	ND		0.050	0.016	ug/L		11/05/25 15:53	11/05/25 23:11	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		11/05/25 15:53	11/05/25 23:11	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		11/05/25 15:53	11/05/25 23:11	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		11/05/25 15:53	11/05/25 23:11	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		11/05/25 15:53	11/05/25 23:11	1
Chrysene	ND		0.050	0.030	ug/L		11/05/25 15:53	11/05/25 23:11	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		11/05/25 15:53	11/05/25 23:11	1
Fluoranthene	ND		0.050	0.039	ug/L		11/05/25 15:53	11/05/25 23:11	1

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: MB 460-1072848/1-A **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 1072856 **Prep Batch: 1072848**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	ND		0.050	0.012	ug/L		11/05/25 15:53	11/05/25 23:11	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		11/05/25 15:53	11/05/25 23:11	1
Naphthalene	ND		0.20	0.12	ug/L		11/05/25 15:53	11/05/25 23:11	1
Phenanthrene	ND		0.050	0.022	ug/L		11/05/25 15:53	11/05/25 23:11	1
Pyrene	ND		0.050	0.031	ug/L		11/05/25 15:53	11/05/25 23:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*77*		*36 - 150*	*11/05/25 15:53*	*11/05/25 23:11*	*1*
2-Fluorobiphenyl (Surr)	*55*		*33 - 150*	*11/05/25 15:53*	*11/05/25 23:11*	*1*

Lab Sample ID: LCS 460-1072848/4-A **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 1072856 **Prep Batch: 1072848**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	2.00	1.87		ug/L		93	42 - 150
Acenaphthylene	2.00	2.02		ug/L		101	22 - 150
Anthracene	2.00	2.20		ug/L		110	22 - 150
Benzo[a]anthracene	2.00	1.83		ug/L		92	47 - 150
Benzo[a]pyrene	2.00	1.76		ug/L		88	34 - 150
Benzo[b]fluoranthene	2.00	1.66		ug/L		83	33 - 150
Benzo[g,h,i]perylene	2.00	1.65		ug/L		83	19 - 150
Benzo[k]fluoranthene	2.00	1.90		ug/L		95	30 - 150
Chrysene	2.00	1.79		ug/L		89	47 - 150
Dibenz(a,h)anthracene	2.00	1.88		ug/L		94	12 - 150
Fluoranthene	2.00	1.80		ug/L		90	36 - 150
Fluorene	2.00	2.35		ug/L		117	24 - 150
Indeno[1,2,3-cd]pyrene	2.00	2.02		ug/L		101	14 - 134
Naphthalene	2.00	2.19		ug/L		110	41 - 147
Phenanthrene	2.00	1.93		ug/L		96	13 - 150
Pyrene	2.00	2.34		ug/L		117	46 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*118*		*36 - 150*
2-Fluorobiphenyl (Surr)	*87*		*33 - 150*

Lab Sample ID: LCSD 460-1072848/5-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 1072856 **Prep Batch: 1072848**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	2.00	1.94		ug/L		97	42 - 150	4	30
Acenaphthylene	2.00	2.09		ug/L		105	22 - 150	3	30
Anthracene	2.00	2.17		ug/L		109	22 - 150	1	30
Benzo[a]anthracene	2.00	1.78		ug/L		89	47 - 150	3	30
Benzo[a]pyrene	2.00	1.78		ug/L		89	34 - 150	1	30
Benzo[b]fluoranthene	2.00	1.66		ug/L		83	33 - 150	0	30
Benzo[g,h,i]perylene	2.00	1.64		ug/L		82	19 - 150	1	30
Benzo[k]fluoranthene	2.00	1.89		ug/L		95	30 - 150	0	30

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: LCSD 460-1072848/5-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 1072856 **Prep Batch: 1072848**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chrysene			2.00	1.75		ug/L		88	47 - 150	2	30
Dibenz(a,h)anthracene			2.00	1.88		ug/L		94	12 - 150	0	30
Fluoranthene			2.00	1.77		ug/L		89	36 - 150	2	30
Fluorene			2.00	2.16		ug/L		108	24 - 150	8	30
Indeno[1,2,3-cd]pyrene			2.00	2.00		ug/L		100	14 - 134	1	30
Naphthalene			2.00	1.98		ug/L		99	41 - 147	10	30
Phenanthrene			2.00	1.87		ug/L		94	13 - 150	3	30
Pyrene			2.00	2.24		ug/L		112	46 - 150	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*104*		*36 - 150*
2-Fluorobiphenyl (Surr)	*87*		*33 - 150*

GC/MS VOA

Analysis Batch: 761725

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-234149-1	LMTW-07	Total/NA	Water	8260C	
MB 480-761725/8	Method Blank	Total/NA	Water	8260C	
LCS 480-761725/6	Lab Control Sample	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 1072848

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-234149-1	LMTW-07	Total/NA	Water	3510C	
MB 460-1072848/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-1072848/4-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-1072848/5-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 1072856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-1072848/1-A	Method Blank	Total/NA	Water	8270E SIM	1072848
LCS 460-1072848/4-A	Lab Control Sample	Total/NA	Water	8270E SIM	1072848
LCSD 460-1072848/5-A	Lab Control Sample Dup	Total/NA	Water	8270E SIM	1072848

Analysis Batch: 1073130

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-234149-1	LMTW-07	Total/NA	Water	8270E SIM	1072848

Lab Chronicle

Client Sample ID: LMTW-07 — **Lab Sample ID: 480-234149-1**

Date Collected: 10/31/25 11:35 — **Matrix: Water**

Date Received: 11/01/25 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	761725	AXK	EET BUF	11/05/25 15:28
Total/NA	Prep	3510C			1072848	TMP	EET EDI	11/05/25 15:55
Total/NA	Analysis	8270E SIM		1	1073130	MME	EET EDI	11/07/25 04:45

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: Groundwater & Environmental Services, Inc. Job ID: 480-234149-1

Laboratory: Eurofins Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260C		Water	Total BTEX

Laboratory: Eurofins Edison

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Connecticut	State	PH-0818	09-30-26
DE Haz. Subst. Cleanup Act (HSCA)	State	N/A	01-03-26
Georgia	State	12028 (NJ)	06-30-26
Illinois	NELAP	2000942025-2	04-30-26
Massachusetts	State	M-NJ312	06-30-26
New Jersey	NELAP	12028	06-30-26
New York	NELAP	11452	04-01-26
Pennsylvania	NELAP	68-00522	02-28-26
Rhode Island	State	LAO00376	12-23-25
USDA	US Federal Programs	525-24-149-77606	05-21-27

Method Summary

Client: Groundwater & Environmental Services, Inc. Job ID: 480-234149-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
8270E SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	EET EDI
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET EDI
5030C	Purge and Trap	SW846	EET BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: Groundwater & Environmental Services, Inc.
Job ID: 480-234149-1
Project/Site:

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
480-234149-1	LMTW-07	Water	10/31/25 11:35	11/01/25 10:45	New York

10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Phone (716) 691-7991

Chain of Custody Record Syracuse #225

eurofins | Environment Testing

Client Information	Sampler:	Lab PM: Beninati, John	Carrier Tracking No(s):	COC No: 480-199983-40375.1
Client Contact: Tim Beaumont	Phone:	E-Mail: John.Beninati@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: Groundwater & Environmental Services Inc	PWSID:	Analysis Requested		Job #:
Address: 6780 Northern Boulevard Suite 100	Due Date Requested:			Preservation Codes: A - HCL N - None
City: East Syracuse	TAT Requested (days): Standard			
State, Zip: NY, 13057	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 0625050-128660-221-1106			
Email: tbeaumont@gesonline.com	WO #:			Other:
Project Name: Saratoga SA Former Skating Rink GW Event Desc: Saratoga SA	Project #: 48027231			
Site: Saratoga Former Skating Rink GWS	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (Wewater, Ssolid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - BTEX - 8260	8270E_SIM - PAH Semivolatiles	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	N		
LMTW-07	10/31/25	1135	G	Water			3	2	5	

480-234149 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) CAT B DELIVERY

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	GES	10/31/25 1435			10/31/25 1454	
2		10/31/25 19:00			11/1/25 1045	GRO
3		Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3.0 IR HSC

Ver: 05/06/2024

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Beninati, John	Carrier Tracking No(s): N/A	COC No: 480-95701 1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: John.Beninati@et.eurofinsus.com	State of Origin: New York	Page: Page 1 of 1
Company: Eurofins Environment Testing Northeast L		Accreditations Required (See note): NELAP New York		Job #: 480-234149-1
Address: 777 New Durham Road,	Due Date Requested: 11/13/2025			Preservation Codes:
City: Edison	TAT Requested (days): N/A			
State, Zip: NJ, 08817				
Phone: 732-549-3900(Tel) 732-549-3679(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: National Grid Upstate New York OM&M	Project #: 48027231			
Site: National Grid Upstate NY OM&M	SSOW#: N/A			Other: N/A

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Wwater S=solid, Owaste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270E_SIM/3510C_LVIPAH Semivolatiles	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
LMTW-07 (480-234149-1)	10/31/25	11:35 Eastern	G	Water			X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.

Possible Hazard Identification: Unconfirmed	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II III, IV Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment: Fedex

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	~~10/31~~-3-25 1600		BPalu	11/4/25 1050	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

IR-9 1-9-14

Ver: 10/10/2024

11/7/2025

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services, Inc.

Job Number: 480-234149-1

Login Number: 234149

List Source: Eurofins Buffalo

List Number: 1

Creator: Wallace, Cameron

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	GES
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services, Inc.

Job Number: 480-234149-1

Login Number: 234149
List Number: 2
Creator: Armbruster, Chris

List Source: Eurofins Edison
List Creation: 11/04/25 11:42 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.9/1.4°C IR9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Tim Beaumont
Groundwater & Environmental Services, Inc.
6780 Northern Boulevard
Suite 100
East Syracuse, New York 13057

Generated 11/26/2025 9:04:35 AM

JOB DESCRIPTION

Saratoga SA Former Skating Rink GWS

JOB NUMBER

480-234615-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization

Generated
11/26/2025 9:04:35 AM

Authorized for release by
Kavya Boyina, Project Manager
kavya.boyina@et.eurofinsus.com
Designee for
John Beninati, Project Manager I
John.Beninati@et.eurofinsus.com
(716)504-9874

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Detection Summary 6
Client Sample Results 7
Surrogate Summary 8
QC Sample Results 9
QC Association Summary 12
Lab Chronicle 13
Certification Summary 14
Method Summary 15
Sample Summary 16
Chain of Custody 17
Receipt Checklists 19

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 480-234615-1 Eurofins Buffalo

Job Narrative
480-234615-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The sample was received on 11/19/2025 9:00 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.1°C.

GC/MS VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA
Method 8270E_SIM: The continuing calibration verification (CCV) associated with batch 460-1077004 recovered above the upper control limit for Pyrene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: Groundwater & Environmental Services, Inc. Job ID: 480-234615-1

Client Sample ID: LMTW-07 **Lab Sample ID: 480-234615-1**

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client: Groundwater & Environmental Services, Inc. Job ID: 480-234615-1

Client Sample ID: LMTW-07

Lab Sample ID: 480-234615-1

Date Collected: 11/18/25 12:40

Matrix: Water

Date Received: 11/19/25 09:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			11/19/25 16:41	1
Toluene	ND		1.0	0.51	ug/L			11/19/25 16:41	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/19/25 16:41	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/19/25 16:41	1
o-Xylene	ND		1.0	0.76	ug/L			11/19/25 16:41	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/19/25 16:41	1
Total BTEX	ND		2.0	1.0	ug/L			11/19/25 16:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*80 - 120*		*11/19/25 16:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*11/19/25 16:41*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*11/19/25 16:41*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*11/19/25 16:41*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.050	0.014	ug/L		11/24/25 08:25	11/26/25 05:40	1
Acenaphthylene	ND		0.050	0.015	ug/L		11/24/25 08:25	11/26/25 05:40	1
Anthracene	ND		0.050	0.025	ug/L		11/24/25 08:25	11/26/25 05:40	1
Benzo[a]anthracene	ND		0.050	0.016	ug/L		11/24/25 08:25	11/26/25 05:40	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		11/24/25 08:25	11/26/25 05:40	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		11/24/25 08:25	11/26/25 05:40	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		11/24/25 08:25	11/26/25 05:40	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		11/24/25 08:25	11/26/25 05:40	1
Chrysene	ND		0.050	0.030	ug/L		11/24/25 08:25	11/26/25 05:40	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		11/24/25 08:25	11/26/25 05:40	1
Fluoranthene	ND		0.050	0.039	ug/L		11/24/25 08:25	11/26/25 05:40	1
Fluorene	ND		0.050	0.012	ug/L		11/24/25 08:25	11/26/25 05:40	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		11/24/25 08:25	11/26/25 05:40	1
Naphthalene	ND		0.20	0.12	ug/L		11/24/25 08:25	11/26/25 05:40	1
Phenanthrene	ND		0.050	0.022	ug/L		11/24/25 08:25	11/26/25 05:40	1
Pyrene	ND		0.050	0.031	ug/L		11/24/25 08:25	11/26/25 05:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*64*		*36 - 150*	*11/24/25 08:25*	*11/26/25 05:40*	*1*
2-Fluorobiphenyl (Surr)	*52*		*33 - 150*	*11/24/25 08:25*	*11/26/25 05:40*	*1*

Surrogate Summary

Client: Groundwater & Environmental Services, Inc. Job ID: 480-234615-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DCA	BFB	DBFM
Lab Sample ID	Client Sample ID	(80-120)	(77-120)	(73-120)	(75-123)
480-234615-1	LMTW-07	95	101	105	99
LCS 480-762900/6	Lab Control Sample	91	101	104	99
MB 480-762900/8	Method Blank	95	103	106	103

Surrogate Legend

TOL = Toluene-d8 (Surr)

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		NBZ	FBP		
Lab Sample ID	Client Sample ID	(36-150)	(33-150)		
480-234615-1	LMTW-07	64	52		
LCS 460-1076429/4-A	Lab Control Sample	133	91		
LCSD 460-1076429/5-A	Lab Control Sample Dup	118	86		
MB 460-1076429/1-A	Method Blank	140	89		

Surrogate Legend

NBZ = Nitrobenzene-d5 (Surr)

FBP = 2-Fluorobiphenyl (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-762900/8
Matrix: Water
Analysis Batch: 762900

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			11/19/25 12:49	1
Toluene	ND		1.0	0.51	ug/L			11/19/25 12:49	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/19/25 12:49	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			11/19/25 12:49	1
o-Xylene	ND		1.0	0.76	ug/L			11/19/25 12:49	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/19/25 12:49	1
Total BTEX	ND		2.0	1.0	ug/L			11/19/25 12:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*80 - 120*		*11/19/25 12:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*11/19/25 12:49*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*11/19/25 12:49*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*11/19/25 12:49*	*1*

Lab Sample ID: LCS 480-762900/6
Matrix: Water
Analysis Batch: 762900

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	25.0	25.7		ug/L		103	71 - 124
Toluene	25.0	24.4		ug/L		98	80 - 122
Ethylbenzene	25.0	25.6		ug/L		102	77 - 123
m-Xylene & p-Xylene	25.0	24.9		ug/L		100	76 - 122
o-Xylene	25.0	22.6		ug/L		90	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*91*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*
Dibromofluoromethane (Surr)	*99*		*75 - 123*

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Lab Sample ID: MB 460-1076429/1-A
Matrix: Water
Analysis Batch: 1076466

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1076429

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.050	0.014	ug/L		11/23/25 09:27	11/23/25 14:00	1
Acenaphthylene	ND		0.050	0.015	ug/L		11/23/25 09:27	11/23/25 14:00	1
Anthracene	ND		0.050	0.025	ug/L		11/23/25 09:27	11/23/25 14:00	1
Benzo[a]anthracene	ND		0.050	0.016	ug/L		11/23/25 09:27	11/23/25 14:00	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		11/23/25 09:27	11/23/25 14:00	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		11/23/25 09:27	11/23/25 14:00	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		11/23/25 09:27	11/23/25 14:00	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		11/23/25 09:27	11/23/25 14:00	1
Chrysene	ND		0.050	0.030	ug/L		11/23/25 09:27	11/23/25 14:00	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		11/23/25 09:27	11/23/25 14:00	1
Fluoranthene	ND		0.050	0.039	ug/L		11/23/25 09:27	11/23/25 14:00	1

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: MB 460-1076429/1-A **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 1076466 **Prep Batch: 1076429**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	ND		0.050	0.012	ug/L		11/23/25 09:27	11/23/25 14:00	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		11/23/25 09:27	11/23/25 14:00	1
Naphthalene	ND		0.20	0.12	ug/L		11/23/25 09:27	11/23/25 14:00	1
Phenanthrene	ND		0.050	0.022	ug/L		11/23/25 09:27	11/23/25 14:00	1
Pyrene	ND		0.050	0.031	ug/L		11/23/25 09:27	11/23/25 14:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*140*		*36 - 150*	*11/23/25 09:27*	*11/23/25 14:00*	*1*
2-Fluorobiphenyl (Surr)	*89*		*33 - 150*	*11/23/25 09:27*	*11/23/25 14:00*	*1*

Lab Sample ID: LCS 460-1076429/4-A **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 1076466 **Prep Batch: 1076429**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	2.00	1.40		ug/L		70	42 - 150
Acenaphthylene	2.00	1.43		ug/L		71	22 - 150
Anthracene	2.00	1.52		ug/L		76	22 - 150
Benzo[a]anthracene	2.00	1.48		ug/L		74	47 - 150
Benzo[a]pyrene	2.00	1.48		ug/L		74	34 - 150
Benzo[b]fluoranthene	2.00	1.49		ug/L		74	33 - 150
Benzo[g,h,i]perylene	2.00	1.42		ug/L		71	19 - 150
Benzo[k]fluoranthene	2.00	1.73		ug/L		86	30 - 150
Chrysene	2.00	1.48		ug/L		74	47 - 150
Dibenz(a,h)anthracene	2.00	1.41		ug/L		71	12 - 150
Fluoranthene	2.00	1.64		ug/L		82	36 - 150
Fluorene	2.00	1.56		ug/L		78	24 - 150
Indeno[1,2,3-cd]pyrene	2.00	1.53		ug/L		76	14 - 134
Naphthalene	2.00	1.38		ug/L		69	41 - 147
Phenanthrene	2.00	1.40		ug/L		70	13 - 150
Pyrene	2.00	1.45		ug/L		72	46 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*133*		*36 - 150*
2-Fluorobiphenyl (Surr)	*91*		*33 - 150*

Lab Sample ID: LCSD 460-1076429/5-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 1076466 **Prep Batch: 1076429**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	2.00	1.64		ug/L		82	42 - 150	15	30
Acenaphthylene	2.00	1.54		ug/L		77	22 - 150	7	30
Anthracene	2.00	1.67		ug/L		83	22 - 150	9	30
Benzo[a]anthracene	2.00	1.36		ug/L		68	47 - 150	8	30
Benzo[a]pyrene	2.00	1.34		ug/L		67	34 - 150	10	30
Benzo[b]fluoranthene	2.00	1.34		ug/L		67	33 - 150	11	30
Benzo[g,h,i]perylene	2.00	1.17		ug/L		59	19 - 150	19	30
Benzo[k]fluoranthene	2.00	1.45		ug/L		73	30 - 150	17	30

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: LCSD 460-1076429/5-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 1076466 **Prep Batch: 1076429**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chrysene			2.00	1.49		ug/L		75	47 - 150	1	30
Dibenz(a,h)anthracene			2.00	1.16		ug/L		58	12 - 150	20	30
Fluoranthene			2.00	1.73		ug/L		86	36 - 150	5	30
Fluorene			2.00	1.71		ug/L		85	24 - 150	9	30
Indeno[1,2,3-cd]pyrene			2.00	1.22		ug/L		61	14 - 134	23	30
Naphthalene			2.00	1.54		ug/L		77	41 - 147	11	30
Phenanthrene			2.00	1.50		ug/L		75	13 - 150	7	30
Pyrene			2.00	1.49		ug/L		75	46 - 150	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*118*		*36 - 150*
2-Fluorobiphenyl (Surr)	*86*		*33 - 150*

QC Association Summary

Client: Groundwater & Environmental Services, Inc. Job ID: 480-234615-1

GC/MS VOA

Analysis Batch: 762900

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-234615-1	LMTW-07	Total/NA	Water	8260C	
MB 480-762900/8	Method Blank	Total/NA	Water	8260C	
LCS 480-762900/6	Lab Control Sample	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 1076429

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-234615-1	LMTW-07	Total/NA	Water	3510C	
MB 460-1076429/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-1076429/4-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-1076429/5-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 1076466

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-1076429/1-A	Method Blank	Total/NA	Water	8270E SIM	1076429
LCS 460-1076429/4-A	Lab Control Sample	Total/NA	Water	8270E SIM	1076429
LCSD 460-1076429/5-A	Lab Control Sample Dup	Total/NA	Water	8270E SIM	1076429

Analysis Batch: 1077004

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-234615-1	LMTW-07	Total/NA	Water	8270E SIM	1076429

Lab Chronicle

Client Sample ID: LMTW-07
Date Collected: 11/18/25 12:40
Date Received: 11/19/25 09:00

Lab Sample ID: 480-234615-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	762900	ATG	EET BUF	11/19/25 16:41
Total/NA	Prep	3510C			1076429	NMP	EET EDI	11/24/25 08:25
Total/NA	Analysis	8270E SIM		1	1077004	MME	EET EDI	11/26/25 05:40

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: Groundwater & Environmental Services, Inc. Job ID: 480-234615-1

Laboratory: Eurofins Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260C		Water	Total BTEX

Laboratory: Eurofins Edison

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Connecticut	State	PH-0818	09-30-26
DE Haz. Subst. Cleanup Act (HSCA)	State	N/A	01-03-26
Georgia	State	12028 (NJ)	06-30-26
Illinois	NELAP	2000942025-2	04-30-26
Massachusetts	State	M-NJ312	06-30-26
New Jersey	NELAP	12028	06-30-26
New York	NELAP	11452	04-01-26
Pennsylvania	NELAP	68-00522	02-28-26
Rhode Island	State	LAO00376	12-23-25
USDA	US Federal Programs	525-24-149-77606	05-21-27

Method Summary

Client: Groundwater & Environmental Services, Inc. Job ID: 480-234615-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
8270E SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	EET EDI
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET EDI
5030C	Purge and Trap	SW846	EET BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: Groundwater & Environmental Services, Inc. Job ID: 480-234615-1
Project/Site:

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
480-234615-1	LMTW-07	Water	11/18/25 12:40	11/19/25 09:00	New York

#225

Client Information	Sampler: KEVIN LEO	Lab PM: Beninati, John	Carrier Tracking No(s):	COC No: 480-199983-40375.1
Client Contact: Tim Beaumont	Phone: 315 877 1369	E-Mail: John.Beninati@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: Groundwater & Environmental Services Inc	PWSID:	Analysis Requested		Job #:
Address: 6780 Northern Boulevard Suite 100	Due Date Requested:			Preservation Codes: A - HCL N - None
City: East Syracuse	TAT Requested (days):			
State, Zip: NY, 13057	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 0625050-128660-221-1106			
Email: tbeaumont@gesonline.com	WO #:			Other:
Project Name: Saratoga SA Former Skating Rink GW Event Desc: Saratoga SA	Project #: 48027231			
Site: Saratoga Former Skating Rink GWS	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - BTEX - 8260	8270E_SIM - PAH Semivolatiles	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	N		
LTMW-07	11/18/25	12:40	G	Water			3	2	5	

480-234615 Chain of Custody

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) CAT B DELIVERY	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		11/18/25 16:17	GE		11/18/25 1617	ESSA
2		11/18/25 19:00			11/19/25 900	ET
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.1 IR#501 TIF

Ver: 05/06/2024

11/26/2025

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Beninati, John	Carrier Tracking No(s): N/A	COC No: 480-95991 1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: John.Beninati@et.eurofinsus.com	State of Origin: New York	Page: Page 1 of 1
Company: Eurofins Environment Testing Northeast L		Accreditations Required (See note): NELAP New York		Job #: 480-234615-1
Address: 777 New Durham Road,	Due Date Requested: 12/4/2025			Preservation Codes:
City: Edison	TAT Requested (days): N/A			
State, Zip: NJ, 08817				
Phone: 732-549-3900(Tel) 732-549-3679(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: National Grid Upstate New York OM&M	Project #: 48027231			
Site: National Grid Upstate NY OM&M	SSOW#: N/A			Other: N/A

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (Water, Solid, O=waste/oil, BT=Tissue, Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270E_SIM/3510C_LVIPAH Semivolatiles	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
LMTW-07 (480-234615-1)	11/18/25	12:40 Eastern	G	Water			X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.

Possible Hazard Identification: Unconfirmed	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months
Deliverable Requested: I, II, III IV Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:
Empty Kit Relinquished by: Date: Time:	Method of Shipment: Fedex

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[illegible]	11-20-25 1600		[illegible]	11/22/25 9:30	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Ver 10/10/2024

IR-9 1.5-1.0

11/26/2025

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services, Inc.

Job Number: 480-234615-1

Login Number: 234615
List Number: 1
Creator: Kolb, Chris M

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	GEI
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services, Inc.

Job Number: 480-234615-1

Login Number: 234615
List Number: 2
Creator: Rivera, Kenneth

List Source: Eurofins Edison
List Creation: 11/22/25 01:46 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1°C, IR #9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Appendix F – Arcadis 2025 Annual Groundwater Bioremediation Performance Monitoring Report

Niagara Mohawk Power Corporation

2025 Annual Groundwater Bioremediation Performance Monitoring Report

Superfund Site – Operable Unit 2
Saratoga Springs, New York
EPA ID #NYD980664361
NYSDEC Site #546015

March 2026

2025 Annual Groundwater Bioremediation Performance Monitoring Report

Superfund Site – Operable Unit 2
Saratoga Springs, New York
EPA ID #NYD980664361
NYSDEC Site #546015

March 2026

Prepared By:
Arcadis of New York, Inc.
One Lincoln Center, 110 West Fayette Street, Suite 300
Syracuse
New York 13202
Phone: 315 446 9120
Fax: 315 449 0017

Prepared For:
Niagara Mohawk Power Corporation

Our Ref:
30003945

This document is intended only for the use of the individual or entity for which it was prepared and may contain information that is privileged, confidential and exempt from disclosure under applicable law. Any dissemination, distribution or copying of this document is strictly prohibited.

Certification

I, John C. Brussel, P.E., as a Professional Engineer registered in the State of New York, certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

John C Brussel 3/20/26

John C. Brussel, P.E.

NYS PE License No. 075208

This document is intended only for the use of the individual or entity for which it was prepared and may contain information that is privileged, confidential and exempt from disclosure under applicable law. Any dissemination, distribution or copying of this document is strictly prohibited.

Contents

Acronyms and Abbreviations v

1 Introduction 1

1.1 Plan Organization 1

1.2 Groundwater Bioremediation Remedy Overview 2

2 Fourth Annual Groundwater Bioremediation Performance Monitoring Activities 4

3 Fourth Annual Groundwater Bioremediation Performance Monitoring Results 6

3.1 Groundwater Geochemistry Performance Monitoring Results 6

3.2 MGP-Related Constituent Performance Monitoring Results 9

4 Subsurface Gas Monitoring Activities and Results 11

5 Summary and Conclusions 13

6 Next Steps 14

7 References 15

Tables

1 Post-Gypsum Emplacement Groundwater Sampling Summary
2 Monitoring Well Construction Details
3 Water Level Measurements and Elevations
4 Pre- vs Post-Emplacement Sulfate Groundwater Analytical Results (ppb)
5 Groundwater Analytical Results (ppb)
6 Hydrogen Sulfide, Lower Explosive Limit, and Methane Gas Measurements at Monitoring Wells, Catch Basins, and Manholes in the OU 2 Project Area

Figures

1 Site Location Map
2 Site Layout
3 Enhanced Groundwater Treatment Areas
4 Water Table Contours
5 Groundwater Analytical Results for Sulfate
6 Groundwater Analytical Results for VOCs and SVOCs Exceeding Standards/Guidance Values and MCLs (ppb)

Attachments

1 Groundwater Sampling Logs
2 Groundwater BTEX, Naphthalene, and Sulfate Concentration Trends

Appendices (Electronic)

1 Laboratory Analytical Data Reports
2 Data Validation Reports

Acronyms and Abbreviations

ABOx	anaerobic biological oxidation
Arcadis	Arcadis of New York, Inc.
bgs	below ground surface
BTEX	benzene, toluene, ethylbenzene, and xylenes
COC	constituents of concern
DO	dissolved oxygen
DRO	diesel range organics
EPA	United States Environmental Protection Agency
GES	Groundwater & Environmental Services, Inc.
GRO	gasoline range organics
ISS	in-situ soil solidification/stabilization
% LEL	percent of the lower explosive limit of methane
LF	lineal feet
MCL	maximum contaminant level
MGP	manufactured gas plant
NMPC	Niagara Mohawk Power Corporation
NTU	nepholometric turbidity unit
NYSDEC	New York State Department of Environmental Conservation
ORP	oxidation reduction potential
OU	Operable Unit
PAH	polycyclic aromatic hydrocarbon
ppb	parts per billion
RAR	Remedial Action Report
RAWP	Remedial Action Work Plan
ROD	Record of Decision
ROI	radius of influence
SGC	silica gel column
SGS	SGS North America, Inc.
SIM	selected ion monitoring
SMP	Site Management Plan
TKN	total Kjeldahl nitrogen
TOGS	Technical and Operational Guidance Series
TPH	total petroleum hydrocarbons

1 Introduction

This 2025 Annual Groundwater Bioremediation Performance Monitoring Report (Performance Monitoring Report) was prepared by Arcadis of New York, Inc. (Arcadis) on behalf of Niagara Mohawk Power Corporation (NMPC) to summarize the work performed and findings of the fourth annual groundwater bioremediation performance monitoring conducted in Operable Unit 2 (OU 2) of the NMPC Superfund Site in Saratoga Springs, New York (the Site; Figure 1). The monitoring summarized herein is part of the long-term monitoring program to evaluate the effectiveness of the gypsum slurry emplaced below the water table in OU 2 in September 2021 to enhance the natural degradation of dissolved hydrocarbons via anaerobic biological oxidation (ABOx). The OU 2 Project Area and surrounding properties are shown on the aerial photograph included as Figure 2.

The performance monitoring activities summarized herein were performed by Arcadis from October 8 through 14, 2025 and primarily consisted of the following:

- Collecting groundwater samples from each monitoring well in the OU 2 Project Area for laboratory analysis for manufactured gas plant- (MGP-) related constituents (benzene, toluene, ethylbenzene, and xylenes [BTEX] and polycyclic aromatic hydrocarbons [PAHs]) and/or geochemical parameters (including sulfate).
- Performing annual hydrogen sulfide gas monitoring at monitoring wells and subsurface structures (storm sewer manholes and catch basins) in OU 2 to evaluate potential accumulation of hydrogen sulfide and methane from ABOx.

The fieldwork summarized herein was implemented in accordance with United States Environmental Protection Agency- (EPA-) approved Groundwater Remedial Action Work Plan (RAWP; Arcadis, 2021) and the EPA-approved Site Management Plan for the OU 2 Project Area and Former Spa Steel Products Property (OU 2 SMP; Arcadis 2024). The fieldwork was implemented by Arcadis, except for purging and sampling of two monitoring wells (MW-EPA-01R and MW-EPA-03R) that was performed by Groundwater & Environmental Services, Inc. (GES), NMPC's operations, maintenance, and monitoring contractor for OU 1.

1.1 Plan Organization

This Performance Monitoring Report has been organized as presented in Table 1.1 below.

Table 1.1. Performance Monitoring Report Organization

Section		Purpose
Section 1 –	Introduction	Provides a brief overview of the OU 2 Project Area groundwater remedial activities.
Section 2 –	Fourth Annual Performance Groundwater Monitoring Activities	Describes the 2025 groundwater monitoring activities.
Section 3 –	Fourth Annual Performance Groundwater Monitoring Results	Summarizes the geochemical and MGP-related constituent groundwater monitoring results for the 2025 performance monitoring event.

Table 1.1. Performance Monitoring Report Organization

Section		Purpose
Section 4 –	Subsurface Gas Monitoring Activities and Results	Summarizes the subsurface gas monitoring activities and results for the 2025 performance monitoring.
Section 5 –	Summary and Conclusions	Presents the summary and conclusions for the groundwater and subsurface gas monitoring activities.
Section 6 –	Next Steps	Presents the proposed next steps for groundwater and subsurface gas monitoring.
Section 7 –	References	Presents a list of references cited in this Performance Monitoring Report.

1.2 Groundwater Bioremediation Remedy Overview

Groundwater remedial activities were implemented in OU 2 during the week of September 13, 2021, as summarized in the EPA-approved Groundwater Remedial Action Report (Groundwater RAR; Arcadis, 2023). The groundwater remedial activities were implemented to address the limited impacted subsurface soil and groundwater remaining within OU 2 following the soil remedial activities performed between June 2018 and September 2019. The soil remedial activities involved excavation, in-situ soil solidification/stabilization (ISS), and containment (in the form of a subsurface barrier wall and subsurface mat) to address soil impacted by dense non-aqueous phase liquid and associated constituents (primarily hydrocarbons) from historical MGP operations conducted nearby. The approximate limits of the ISS and containment area are shown on Figure 3. Details of the OU 2 soil remedial activities are presented in the EPA-approved OU 2 RAR (Arcadis, 2020).

As summarized in the Groundwater RAR, the groundwater remedial activities included drilling 13 injection borings via direct-push technology methods and emplacing a 15% by weight gypsum slurry (comprised of approximately 2,300 pounds of gypsum and 1,600 gallons of potable water) into the fine-to-coarse-grained sand interval at a depth of approximately 12 to 16 feet below ground surface (bgs). The gypsum slurry was emplaced in two areas extending approximately 12 lineal feet [LF] and 30 LF across the northern and southern portions of the OU 2 Project Area (respectively), as shown on Figure 3. The emplacement provided a sparingly soluble source of sulfate (calcium sulfate dihydrate) as an available electron acceptor to stimulate indigenous bacteria to degrade residual dissolved hydrocarbons below the water table. The remedial implementation objective is to sustain geochemical conditions conducive to ABOx, with the ultimate goal to decrease BTEX and PAHs concentrations via bioremediation in the area downgradient of the gypsum slurry emplacement.

A 2.5-foot radius of influence (ROI) was targeted for each injection point. Based on this ROI, injection points were spaced approximately 5 feet apart along the transects. Three injection points were installed in the northern treatment area, and ten injection points were installed in the larger southern treatment area. The injection points in the southern treatment area were staggered along two parallel injection lines such that each injection point on the hydraulically downgradient line was located approximately half the distance between two points on the hydraulically upgradient line. The injection layout resulted in treatment zone widths of approximately 5 and 10 feet in the northern and southern treatment areas, respectively.

The groundwater remedial activities were successful in that they provided a sustained source of sulfate to facilitate the enhanced anaerobic biodegradation of residual hydrocarbons in the area. Some daylighting of the gypsum slurry occurred during implementation (i.e., gypsum slurry migrating upward outside the drill rods to ground surface), but the daylighting was limited by adjusting the injection pressures and rates and performing injection in a “checkerboard” pattern, by injecting at every other boring location initially and then returning to inject at the remaining locations. A slight uplift of the ground surface was observed at one boring location during injection. Accordingly, the injection at that location was discontinued early and the ground surface quickly settled back to original level. The remaining gypsum intended for that location was instead emplaced at other nearby locations, achieving the design total gypsum slurry emplacement. Since gypsum has a low solubility, the emplaced gypsum is expected to slowly dissolve and maintain elevated concentrations of sulfate over a long period. While the dissolved sulfate will migrate hydraulically downgradient with groundwater until it is degraded by microbial processes, the slurry will remain in-place and continue to dissolve over time.

The effectiveness of sulfate emplacement and microbial enhancement is being evaluated by monitoring groundwater geochemistry and constituent concentrations hydraulically downgradient from the injection locations, in accordance with the Groundwater RAWP and OU 2 SMP. Sulfate concentrations are the primary indicator of groundwater geochemical conditions conducive to enhance biodegradation. A baseline groundwater monitoring event was conducted in June 2021 prior to the gypsum slurry emplacement, and post-emplacement groundwater samples were collected from five monitoring wells in the vicinity of the injection area on September 22, 2021 (within one week following injection). The September 2021 post-injection sulfate analytical results showed that sulfate had not yet arrived at the first line of monitoring wells downgradient from the gypsum slurry injection borings (MW-SS-08-08 and MW-EPA-07). The work performed and findings of the September 2021 monitoring event are summarized in the Groundwater RAR.

Per the Groundwater RAWP and OU 2 SMP, groundwater samples are to be collected annually from monitoring wells located hydraulically downgradient from the groundwater treatment areas (i.e., wells MW-EPA-07, MW-EPA-09, MW-EPA-10, and MW-SS-08-08, as shown on Figure 3) and one monitoring well hydraulically upgradient from the groundwater treatment areas (MW-ORS-01) and analyzed for sulfate and other geochemical parameters. In addition, groundwater samples are to be collected annually from each of the 12 monitoring wells in the OU 2 Project Area (wells MW-EPA-01R, MW-EPA-02R, MW-EPA-03R, MW-EPA-06, MW-EPA-07, MW-EPA-09, MW-EPA-10, MW-SS-08-05, MW-SS-08-08, MW-SS-09-06, MW-SS-09-07, and MW-ORS-01, as shown on Figure 3) and analyzed for BTEX and PAHs.

Hydrogen sulfide gas monitoring was also to be conducted quarterly at nearby subsurface structures and monitoring wells for the first year following sulfate emplacement. Methane gas monitoring was added to the quarterly monitoring program as outlined in January 24, 2022 e-mail correspondence from Arcadis to EPA. Subsequent gas monitoring was changed to annual (beginning in 2023) based on the quarterly gas monitoring results for 2022, as summarized in Section 4.2.2 of the Groundwater RAR. Work to be performed as part of the groundwater bioremediation performance monitoring activities is also outlined in the OU 2 SMP.

2 Fourth Annual Groundwater Bioremediation Performance Monitoring Activities

In accordance with the Groundwater RAWP and OU 2 SMP, the groundwater bioremediation performance monitoring program focuses on sulfate as the primary indicator of groundwater geochemical concentrations conducive to enhance biodegradation. Sulfate, additional geochemical parameters, and MGP-related constituents are being evaluated over time to identify potential trends.

The groundwater monitoring summarized herein was performed by Arcadis and GES (as identified above). As part of the fourth annual post-injection groundwater monitoring event performed in October 2025 (approximately four years after the gypsum slurry emplacement), groundwater samples were collected from: (1) each of the 12 monitoring wells in the OU 2 Project Area for laboratory analysis for MGP-related constituents; and (2) a subset (five) of those wells (MW-EPA-07, MW-EPA-09, MW-EPA-10, MW-SS-08-08, and MW-ORS-01) for laboratory analysis for sulfate and other geochemical parameters. Refer to Table 1 for a list of wells that were sampled during 2025 and the corresponding analyses performed on each sample. A monitoring well construction summary, which presents construction details for each existing and former monitoring wells in the OU 2 Project Area, is included as Table 2. Groundwater sampling logs for the October 2025 sampling event are presented in Attachment 1.

As part of the October 2025 monitoring event, a synoptic round of water level measurements was made at each of the 12 wells located within the OU 2 Project Area before collecting groundwater samples. The October 2025 groundwater samples were collected after purging using low-flow techniques (peristaltic or dedicated Well Wizard pump and polyethylene tubing). Field parameters consisting of pH, conductivity, dissolved oxygen (DO), oxidation reduction potential (ORP), temperature, and turbidity were monitored during purging using a water quality meter and flow-through measurement cell (e.g., Horiba U52). Following the stabilization of field parameters (three consecutive readings within the following ranges: pH of +/- 0.1; conductivity of +/-3%; DO of +/- 10% or <0.5 milligrams per liter; ORP of +/- 10 millivolts; and reduction of turbidity levels to less than 50 nephelometric turbidity units [NTUs]) at each well except MW-EPA-03R and MW-EPA-10, groundwater samples were collected via low-flow techniques and submitted to SGS North America, Inc. of Dayton, New Jersey (SGS) or Eurofins of Amherst, New York (Eurofins) for laboratory analysis. At monitoring well MW-EPA-03R, DO did not stabilize. However, 2.3 water column volumes were purged prior to sampling, which indicates that water entering the well screen was from the surrounding formation. Monitoring well MW-EPA-10 did not contain enough water in October 2025 to collect field parameters and was pumped dry. A sample was collected from groundwater that recharged into MW-EPA-10.

Groundwater samples from each monitoring well were submitted for laboratory analysis of BTEX using EPA Method 8260D and PAHs using EPA Method 8270E by selected ion monitoring (SIM). Groundwater samples from four wells hydraulically downgradient of the groundwater bioremediation area (MW-EPA-07, MW-EPA-09, MW-EPA-10, and MW-SS-08-08) and background monitoring well MW-ORS-01 were also analyzed for the following geochemical parameters unless noted otherwise below:

- Total petroleum hydrocarbons (TPH) gasoline range organics (GRO) using EPA SW-846 Method 8015D.
- TPH diesel range organics (DRO) using EPA SW-846 Method 8015D.
- Silica gel column (SGC) TPH DRO using EPA SW-846 Methods 3630C and 8015D.

- Total iron and manganese[1] using EPA SW-846 6010D.
- Alkalinity using Method SM2320 B-11.
- Sulfate using EPA Method 300/SW-846 Method 9056A.
- Sulfide using SM4500S2-F-11.
- TKN using EPA Method 351.2/LACHAT.
- Nitrate using EPA Method 353.2/SM4500NO2B.
- Total organic carbon using SM5310 B-11/14.
- Methane using Method RSK-175.

Samples from monitoring well MW-EPA-10 were also anticipated to be submitted for laboratory analysis of TKN. However, as indicated above, the well went dry during purging and a limited volume of groundwater recharged in the well. Sufficient volume was available to submit a sample for analysis of each of the geochemical parameters identified above, except TKN.

Purge water generated by the groundwater monitoring event was contained in 5-gallon buckets and transferred to the groundwater treatment building on the NMPC property for subsequent treatment.

[1] Iron and manganese are identified in the Record of Decision (ROD) as COCs and are also considered geochemical indicator parameters.

3 Fourth Annual Groundwater Bioremediation Performance Monitoring Results

The water-level data from the October 2025 monitoring event and earlier monitoring events are presented in Table 3. Water-level data indicate that the water table beneath the OU 2 Project Area generally occurs at depths ranging from approximately 4 to 12 feet bgs. The direction of horizontal groundwater flow in the OU 2 Project Area and surrounding areas is generally to the south-southeast, as indicated by the water table contour maps for October 11 and 12, 2022; September 19, 2023; October 1, 2024; and October 8, 2025 (Figure 4). This flow direction is similar to patterns observed before the ISS monolith, subsurface mat, and barrier walls were installed as part of the OU 2 soil remedial action (June 2018 to September 2019) and gypsum slurry was injected as part of the OU 2 groundwater remedial action (September 2021).

Analytical results for the groundwater samples collected as part of the October 2025 monitoring event were reported using New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol Category B data deliverables. Copies of the laboratory analytical data reports are provided in Electronic Attachment 1. Arcadis and GES validated the analytical results in accordance with EPA National Functional Guidelines. The data usability summary reports are included in Electronic Attachment 2.

The sulfate analytical results for the October 2025 groundwater monitoring event are presented in Table 4, with comparisons to the sulfate analytical results for samples collected during previous monitoring events before and after the gypsum slurry emplacement performed as part of the enhanced anaerobic groundwater bioremediation remedy. The BTEX, PAHs, and geochemical indicator parameter (including sulfate) analytical results for the 2025 groundwater samples are presented in Table 5 with comparisons to: (1) results from previous monitoring events; (2) the NYSDEC groundwater quality standards and guidance values presented in NYSDEC Division of Water, Technical and Operational Guidance Series document titled “Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations” (TOGS 1.1.1) dated June 1998, last revised February 2023; and (3) Federal maximum contaminant levels (MCLs) presented in the EPA’s National Primary Drinking Water Regulations (EPA 2009). Sulfate analytical results are shown on Figure 5. Analytical results for BTEX and PAHs identified at concentrations above TOGS 1.1.1 standards/guidance values and Federal MCLs in groundwater samples collected from wells in OU 2 (i.e., since groundwater samples were initially collected in this area [2006 through 2025]) are shown on Figure 6. The BTEX, naphthalene, and sulfate groundwater analytical results for wells downgradient from the gypsum slurry injection area (MW-EPA-07, MW-EPA-09, MW-EPA-10, and MW-SS-08-08) and upgradient well ORS-01 since the OU 2 soil remedial action are shown on the graphs in Attachment 2.

The groundwater analytical results for geochemical indicator parameters are summarized in Subsection 3.1 below, followed by the groundwater analytical results for BTEX, PAHs, and TPH in Subsection 3.2.

3.1 Groundwater Geochemistry Performance Monitoring Results

The October 2025 groundwater monitoring event was the fourth post-injection monitoring event during which geochemical indicator parameters other than sulfate (or sulfide) were analyzed, as described in Section 2. Geochemical parameter results from the October 2025 groundwater monitoring compared to the baseline sampling (June 2021) and post-injection sulfate sampling results (September 2021, January 2022, October 2022,

September 2023, and October 2024) provide lines of evidence for natural and enhanced ABOx. Specifically, concentrations of methane, TKN, and alkalinity indicate anaerobic biodegradation of organic materials in the subsurface at each of the sampled wells, with greater activity immediately downgradient of the treatment area at monitoring wells MW-EPA-07 and MW-SS-08-08. Geochemical parameters at these wells indicated an elevated level of biological activity before gypsum emplacement. This indicated that this area has substantial potential for enhanced biodegradation with the addition of sulfate, which is a higher-energy electron acceptor relative to those used for methanogenesis. As described below, groundwater geochemical conditions were also potentially influenced by the soil remedy, which was completed in 2019. The remainder of this section focuses on: (1) concentrations of sulfate, as they are the primary indicator of groundwater geochemical conditions conducive to enhance biodegradation; and (2) iron and manganese, which were identified as constituents of concern (COCs) in EPA's 2013 OU 2 ROD and are also both naturally-occurring minerals (attributed to mineral properties in the geologic formation) and geochemical indicator parameters.

Historical concentrations of sulfate at monitoring wells upgradient and side-gradient from the treatment areas indicate background sulfate concentration variability (see Figure 5) and naturally occurring ABOx. Sulfate concentrations were identified at elevated concentrations of 310,000 parts per billion (ppb) and 248,000 ppb in May 2009 at (now decommissioned) monitoring wells MW-EPA-01 and MW-EPA-02, respectively. Sulfate was not detected (less than 5,000 ppb) during the same May 2009 monitoring event at downgradient monitoring wells MW-EPA-04, MW-EPA-07, MW-EPA-08, and MW-SS-08-08. The results indicate that sulfate naturally supports ABOx in groundwater in the OU 2 Project Area and additional biodegradation would be stimulated with the emplacement of sulfate in areas where sulfate was depleted downgradient of the historically MGP-impacted source areas.

The sulfate concentration at monitoring well MW-SS-08-08 was non-detect in May 2009 and 311,000 ppb during the following event, in July 2020 – one year after the OU 2 soil remedy was implemented. From July 2020 until the June 2021 baseline event preceding the gypsum slurry emplacement for the OU 2 groundwater remedy, sulfate concentrations showed a steadily decreasing trend to a minimum of 27,100 ppb. The trend is potentially due, at least in part, to changes in groundwater geochemistry following the OU 2 soil remedy, which took place from June 2018 to September 2019 and included ISS and jet grouting. One of the ISS and jet grout reagents was Portland cement, which contains gypsum (i.e., calcium sulfate). The Portland cement may have contributed to the elevated sulfate concentration in groundwater at MW-SS-08-08 identified following the soil remedy.

The October 2025 sulfate sampling results indicate the following:

- *MW-ORS-01 (upgradient monitoring well)*: The sulfate concentration identified in MW-ORS-01 in October 2025 was greater than the previous monitoring event and is generally consistent with sulfate concentrations following gypsum emplacement. Sulfate concentrations at this well are not necessarily expected to be influenced by groundwater treatment because the well is located upgradient of sulfate emplacement. BTEX and PAH concentrations at MW-ORS-01 are less than the TOGS 1.1.1 standards/guidance values and Federal MCLs.
- *MW-EPA-07 and MW-SS-08-08 (immediately downgradient from the injection area)*: Sulfate concentrations identified in MW-EPA-07 and MW-SS-08-08 were greater in October 2025 than the concentrations identified in these wells during the monitoring events immediately before and immediately after the gypsum slurry emplacement (June 2021 and September 2021, respectively). The results show the initial influence of sulfate emplacement, indicating that sulfate arrived at the wells within the first year following the gypsum slurry

emplacement. Sulfate concentrations greater than those measured during the baseline event are anticipated to continue at both wells.

  - At MW-EPA-07, the sulfate concentration measured in October 2025 (17,600 ppb) is approximately the same as the previous monitoring event (16,100 ppb in October 2024), but less than earlier monitoring events (59,000 ppb in September 2023 and 47,300 ppb in October 2022). However, the concentration is greater than the historical range measured at the well before the gypsum slurry emplacement (600 ppb to 1,100 ppb). The decrease in concentration from the previous events may be due to microbial utilization in the degradation of BTEX and PAHs and/or may be related to temporal variability.
  - At MW-SS-08-08, the sulfate concentration measured in October 2025 (128,000 ppb) decreased from the previous four monitoring events (199,000 ppb to 280,000 ppb from January 2022 through October 2024). The decrease in concentration from the previous events may be due to microbial utilization in the degradation of BTEX and PAHs and/or may be related to temporal variability.

- *MW-EPA-09 (sentinel well)*: The sulfate concentration identified in this well in October 2025 (114,000 ppb) increased from the previous three monitoring events (73,300 to 97,900 ppb from October 2022 through October 2024) and is within the historical range measured at the well before the gypsum slurry emplacement (55,800 to 165,000 ppb) and most likely represents naturally occurring variability. Sulfate added to the subsurface in the upgradient treatment areas will potentially be consumed before reaching this downgradient location.
- *MW-EPA-10 (sentinel well)*: Sulfate was not detected in the October 2025 sample from this well. This result is consistent with historical results for this well (previous sulfate sampling results for MW-EPA-10 were non-detect). Sulfate added to the subsurface in the upgradient treatment areas will potentially be consumed before reaching this downgradient location.

Iron and manganese continued to be identified at concentrations exceeding the 300 ppb Class GA standard (for each constituent) in the 2025 annual groundwater samples that were analyzed for iron and manganese (i.e., samples from wells MW-EPA-07, MW-EPA-09, MW-EPA-10, MS-SS-08-08, and MW-ORS-01), with the exception of manganese at MW-EPA-07 and MW-ORS-01. The concentrations in these wells were generally consistent before and after the OU 2 soil remediation and gypsum slurry emplacement for the enhanced anaerobic groundwater remediation, with some variations attributed to sample turbidity. The maximum concentrations of iron and manganese were identified in the August 2020 and October 2025 groundwater samples, respectively, from MW-EPA-10, which went dry during purging and was allowed to recover overnight before sampling. The final turbidity measurements at that well were elevated (249 and 584 NTU) before sampling in August 2020 and October 2025, respectively.

As indicated in the Groundwater RAWP, iron and manganese will be addressed by natural attenuation instead of enhanced anaerobic biodegradation. Natural attenuation is appropriate for addressing iron and manganese in groundwater, as both iron and manganese are thermodynamically favorable electron acceptors for microorganisms and provide further degradation of COCs. Once iron or manganese act as an electron acceptor, they are present in a more mobile form (which could be one reason why elevated concentrations of iron and manganese have been detected). It is not uncommon for strongly reducing geochemical conditions to result in elevated concentrations of naturally occurring iron and manganese. Then, as the groundwater migrates to where hydrocarbon impacts have attenuated and there is more ambient geochemistry with reasonable amounts of

dissolved oxygen and nitrate present, the iron and manganese can oxidize back to their more oxic state and typically precipitate out at circumneutral pH.

Upgradient well MW-ORS-01, downgradient wells MW-EPA-07 and MW-SS-08-08, and sentinel wells MW-EPA-09 and MW-EPA-10) will continue to be monitored for geochemical parameters (including sulfate, iron, and manganese, among other parameters) in accordance with the Groundwater RAWP and SMP (as described in Section 6 below).

3.2 MGP-Related Constituent Performance Monitoring Results

Decreasing concentrations of BTEX and PAHs are the ultimate goals of bioremediation in the area downgradient of the gypsum slurry emplacement. However, anaerobic biodegradation is a relatively slow process and clear decreases in concentrations in each of the MGP-related COCs are not expected during the first several post-injection performance sampling events for these constituents. The concentrations are expected to decrease in the longer term as ABOx continues to be enhanced.

BTEX and PAH concentrations were less than the TOGS 1.1.1 standards/guidance values and Federal MCLs at 7 of the 12 monitoring wells sampled in October 2025, including wells to the east (MW-EPA-01R and MW-ORS-01), to the south (MW-SS-09-07 and MW-EPA-10), and to the west (MW-EPA-02R, MW-EPA-03R, and MW-EPA-06) of the groundwater treatment areas.

Benzene, ethylbenzene, xylenes, and/or PAHs were identified at concentrations greater than TOGS 1.1.1 standards/guidance values at monitoring wells MW-EPA-07, MW-EPA-09, MW-SS-08-05, MW-SS-08-08, and MW-SS-09-06, located in the southern, and in the case of MW-SS-08-05 eastern, area of the OU 2 Project Area. The benzene concentration at MW-EPA-07 and the benzo(a)pyrene concentration at MW-SS-08-05 were also greater than the Federal MCLs during the October 2025 monitoring event. A closer look at the hydrocarbon concentrations at monitoring wells with exceedances of TOGS 1.1.1 standards/guidance values and/or Federal MCLs is provided below.

- *MW-EPA-07:* BTEX concentrations in the October 2025 sample from MW-EPA-07 were slightly higher than those identified in the October 2024 sample from this well. Naphthalene was the only PAH identified in the October 2025 sample from MW-EPA-07 at a concentration exceeding the respective TOGS 1.1.1 standard/guidance value, and the naphthalene concentration in the October 2025 sample (72.4 ppb) is the lowest concentration since the March 2008 sampling event. BTEX and PAH concentrations at MW-EPA-07 in October 2025 were also generally consistent with or less than historically measured concentrations (see Table 5 or Figure 6). As shown on the graph in Attachment 2, the total BTEX and naphthalene concentrations at MW-EPA-07 have generally decreased over the four sampling events following the gypsum slurry emplacement. Historically decreasing concentrations at this location, prior to gypsum slurry emplacement, indicate substantial natural attenuation and/or groundwater treatment as a result of the soil remediation completed in 2019. These results indicated that ABOx in groundwater in the southern portion of the Old Red Spring parcel is amenable to enhancement. In addition, although there are no regulatory criteria for TPH in the gasoline and diesel ranges (TPH GRO and SGC TPH DRO), general decreases in concentrations of these constituents at MW-EPA-07 provide an additional line of evidence for natural and enhanced ABOx.
- *MW-EPA-09:* Three PAHs (benzo[a]anthracene, benzo[a]pyrene, and benzo[b]fluoranthene) were identified in the October 2025 sample from MW-EPA-09 at estimated concentrations exceeding the TOGS 1.1.1

standards/guidance values. These PAHs have not been identified at this well previously. However, the reported concentrations are near or less than historical detection limits, which have been between 0.037 ppb and 0.048 ppb since SIM methods were first used starting in June 2021 (see Table 5). Consistent with previous sampling events, BTEX and naphthalene were not detected above laboratory detection limits in the October 2025 sample from MW-EPA-09 (refer to Table 5, Figure 6, or the graph in Attachment 2).

- *MW-SS-08-05:* Five PAHs (benzo[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, benzo[k] fluoranthene, and chrysene) were identified in the October 2025 sample from MW-SS-08-05 at concentrations exceeding the TOGS 1.1.1 standards/guidance values. Each of the compounds measured in 2025, except for benzo(k)fluoranthene, have historically been sporadically detected at low concentrations and have previously exceeded their respective TOGS 1.1.1 standards/guidance values. Consistent with previous sampling events, BTEX and naphthalene were not detected above laboratory detection limits in the October 2025 sample from MW-SS-08-05.
- *MW-SS-08-08:* BTEX and PAH concentrations in the October 2025 sample from MW-SS-08-08 were less than those measured during the June 2021 baseline event and subsequent annual sampling events (2022 through 2024). Per the graph in Attachment 2 or the data shown on Figure 6, the total BTEX and naphthalene concentrations at MW-SS-08-08 appear to have decreased slightly from one event to the next in the four sampling events following the gypsum slurry emplacement[2]. However, the BTEX and PAH concentrations during each of the four post-injection performance monitoring events at MW-SS-08-08 were greater than those historically measured at the well before the injection (i.e., generally non-detect), as shown on Figure 6. The increase in concentrations vs. historical concentrations at MW-SS-08-08 is attributed to the influence of the soil remedy implementation approximately 12 feet hydraulically upgradient, which is also reflected in increased sulfate concentrations before groundwater remedy implementation (as described in Section 3.1 above). The higher (although decreasing) BTEX and PAH concentrations at MW-SS-08-08 post-injection vs. pre-injection are anticipated to be temporary.
- *MW-SS-09-06:* Four PAHs (benzo[a]anthracene, benzo[k]fluoranthene, chrysene, and indeno[1,2,3-cd] pyrene) were identified in the October 2025 sample from MW-SS-09-06 at concentrations exceeding the TOGS 1.1.1 guidance values. Each constituent (except for benzo[a]anthracene) was identified at an estimated concentration. These PAHs have not been identified at this well previously. However, the reported concentrations are near or less than historical detection limits (see Table 5). BTEX and naphthalene were not detected above laboratory detection limits in the October 2025 sample from MW-SS-09-06.

[2] Because the scale of the x- and y-axis on each of the graphs in Attachment 2 are the same (i.e., to allow direct comparisons of data between locations) and because the BTEX and naphthalene concentrations are generally an order of magnitude lower at MW-SS-08-08 than MW-EPA-07, the shape of the trendline for MW-SS-08-08 is less obvious than for MW-EPA-07. The changes in concentrations at MW-SS-08-08 over the past four monitoring events are more readily apparent on Figure 6.

4 Subsurface Gas Monitoring Activities and Results

As indicated in the Groundwater RAWP, the intended biodegradation process of sulfate-reduction for enhanced ABOx might result in generation of hydrogen sulfide and the most likely place for accumulation of the gas would be in nearby subsurface structures (manholes, catch basins, monitoring wells). In addition, anaerobic biodegradation processes can produce methane, and elevated methane in groundwater has the potential to accumulate in subsurface structures at concentrations within its flammable range of 5 to 15% by volume in air. Hydrogen sulfide is heavier than air (vapor density of 1.19) and methane is lighter than air (vapor density of 0.6). Accordingly, hydrogen sulfide and methane gases may be stratified in the wells with hydrogen sulfide tending to remain at the bottom of the air column and methane tending to rise. Measurable hydrogen sulfide concentrations have only been identified at MW-EPA-07 and MW-SS-08-08 (in 2021 or 2022 during or after injection). The maximum hydrogen sulfide concentrations were just above the water table and the concentrations decreased with increasing distance above the water table (consistent with hydrogen sulfide having a vapor density greater than 1.0). Despite having a vapor density less than 1.0, methane gas was identified at lower concentrations with increasing distance above the water table. This pattern is interpreted to be the result of methane mixing with ambient air as it vents toward the surface following removal of the well plug or installation of self-venting well plugs.

Arcadis performed annual hydrogen sulfide monitoring in accordance with the EPA-approved Groundwater RAWP and OU 2 SMP in October 2025. Arcadis also field-measured the percentage of methane during the annual monitoring event. Monitoring for hydrogen sulfide and methane was conducted using a portable hand-held gas monitor to screen headspace gas inside the subsurface structures and monitoring wells. Direct measurements of lower explosive limit (LEL) were not made because an LEL sensor was swapped for the methane sensor. However, the percentage of methane measured by the gas meter provides an indication of the % LEL, which can be calculated as follows: percentage of methane divided by the LEL value of methane (i.e., 5% by volume), multiplied by 100.

Arcadis monitored gas levels from the following (as shown on Figure 3):

- Five utility manholes/catch basins in the vicinity of the injection areas (MH-1, MH-5, CB-4, CB-5, and CB-52). The manhole cover at MH-6 could not be removed during the event. Therefore, no hydrogen sulfide or methane measurements were able to be collected at the location.
- 10 monitoring wells in the vicinity of the groundwater treatment area (MW-EPA-02R, MW-EPA-06, MW-EPA-07, MW-EPA-09, MW-EPA-10, MW-SS-08-05, MW-SS-08-08, MW-SS-09-06, MW-SS-09-07, and MW-ORS-01).

The hydrogen sulfide monitoring results for the subsurface structures and monitoring wells are presented in Table 6. Hydrogen sulfide was not identified above 0.0 parts per million in any of the subsurface structures or monitoring wells during the 2025 annual monitoring.

The percentage of methane (and LEL) was zero during the 2025 annual monitoring event at each of the utility manholes/catch basins and at six of the 10 monitoring wells (MW-ORS-01, MW-EPA-02R, MW-EPA-06, MW-EPA-09, MW-SS-08-05, and MW-SS-09-07). At the four remaining monitoring wells (MW-EPA-07, MW-EPA-10, MW-SS-08-08, and MW-SS-09-06), the percentage of methane (and LEL) was greater than zero during the 2025 annual monitoring event. At these wells, the percentage of methane was greatest near the water table. At each of these wells, the percentage of methane (and LEL) concentrations were 0.0% (volume) by the time the probe was

raised up through the well and reached the top of the well casing, consistent with previous measurements at these wells.

Methane generation and distribution in the subsurface is based on several factors, including, but not limited to: (1) substrate and nutrient availability; (2) in-situ geochemical conditions; and (3) pressure differentials and preferential transport pathways. Dissolved methane is produced via anaerobic biodegradation of organic materials under strongly reducing conditions, including those expected within saturated peat intervals, as summarized in the Groundwater RAR. Where there is equilibration at the air-water interface at the bottom of the vadose zone and in monitoring well casings, elevated methane concentrations in groundwater result in elevated methane concentrations in soil vapor or the well headspace. Accumulation of methane in monitoring wells may also be affected by other factors, including the integrity of the well plug seal, permeability of the subsurface, and ground surface cover (e.g., asphalt). As groundwater moves downgradient from active anaerobic biodegradation zones (as a result of pressure gradients and lithologic controls), dissolved methane is diluted and consumed by the biological process of methane oxidation.

Arcadis evaluated the potential contribution of complete degradation of BTEX in groundwater to methane generation, as summarized in the Groundwater RAR. The results demonstrate that complete methanogenesis of concentrations of BTEX across the full range measured in OU 2 could not generate the full range of methane concentrations measured in groundwater, and this points to other sources of methane besides BTEX (e.g., peat decomposition, TPH degradation, etc.). The data suggest that anaerobic biodegradation of both the peat layer located within the screen interval of several wells and MGP-related constituents contribute to methane generation. However, since monitoring wells MW-EPA-10 and MW-SS-09-06 are located approximately 90 feet southeast and 130 feet west-southwest of the groundwater treatment areas, respectively, and BTEX and PAH concentrations in groundwater are low to non-detect, the methane gas concentrations at these wells are interpreted to be unrelated to MGP-related constituents and the gypsum slurry (sulfate) emplacement. A full description of the peat layer in relation to the monitoring wells and potential contribution of BTEX in groundwater to methane is presented in the Groundwater RAR and January 27, 2023 response to EPA and NYSDEC comments.

As indicated previously, hydrogen sulfide has historically been identified in only two wells (MW-EPA-07 and MW-SS-08-08), and it has not been identified in those wells since 2021 or 2022. Although % LEL and methane concentrations have been measured in certain groundwater monitoring wells upon removing the well covers, the data do not present a concern for the OU 2 Project Area. Further evaluation/quantification of sources contributing methane is not necessary for this remedial project because: (1) the presence and extent of methane is generally known; (2) available data show that methane concentrations in groundwater are decreasing; and (3) potential exposure pathways related to methane in the subsurface are controlled (i.e., methane has not been detected in ambient air within the OU 2 Project Area, passive vents have been installed on monitoring wells downgradient from the groundwater bioremediation treatment area, the wells are secured by locking j-plugs beneath bolt-down steel covers preventing public access, and field staff will follow the sampling procedures and safety precautions outlined in the Groundwater RAR and SMP when opening and sampling wells). Self-venting well caps were installed at MW-SS-08-08 on January 25, 2022 and at MW-EPA-07 on October 11, 2022 (after the well's steel flush-mount curb box had been raised to accommodate the new Greenbelt Downtown Connector Trail pavement elevation and sufficient space was available between the top of the well casing and curb box to install the vented cap) to prevent potential buildup of methane and hydrogen sulfide in the wells.

5 Summary and Conclusions

The monitoring data summarized herein provide evidence that the groundwater remedy implemented in September 2021, which included injecting approximately 2,300 pounds of gypsum (sulfate) in slurry form into the subsurface, is meeting the ROD objective of enhancing biodegradation. Sulfate concentrations in groundwater are the primary indicator of enhanced groundwater geochemical conditions conducive to enhance ABOx of BTEX and PAHs in groundwater at the OU 2 Project Area. The sulfate analytical data from the 2025 groundwater monitoring events show that the gypsum slurry injected into the fine-to-coarse-grained sand interval in September 2021 as part of the groundwater bioremediation remedy is dissolving and resulting in elevated sulfate concentrations within and downgradient from the injection area. The slight decrease in sulfate concentration at MW-EPA-07 and MW-SS-08-08 over the past few sampling events may indicate utilization of sulfate by microbes. However, the concentration is still sufficient to support ABOx. Additional geochemical indicator parameters (methane, TKN, and alkalinity) provide lines of evidence that ABOx is actively occurring in groundwater in the OU 2 Project Area, particularly at locations with measurable BTEX and PAH concentrations downgradient of the treatment area, and that this process is subject to enhancement with the delivery of sulfate as a higher-energy electron acceptor. ABOx is relatively slow and decreases in BTEX and PAH concentrations are anticipated in the longer term as ABOx continues to be enhanced. A slight overall decrease in total BTEX and PAH concentrations at downgradient monitoring wells MW-EPA-07 and MW-SS-08-08 was observed over the four sampling events following the gypsum slurry emplacement, and additional data are needed to evaluate potential trends.

Although stimulation of sulfate reduction with the addition of sulfate can result in hydrogen sulfide generation, no hydrogen sulfide has been identified in monitored subsurface structures (storm sewer manholes and catch basins) and monitoring wells within or near the groundwater bioremediation treatment area during the past three monitoring events (2023, 2024, and 2025). Accordingly, there appears to be little to no risk associated with hydrogen sulfide for personnel gauging or sampling the wells and for the public.

Elevated methane concentrations and % LEL values have been measured immediately above the water table at several monitoring wells in the OU 2 Project area and concentrations decreased with distance above the water table. Methane was not detected in ambient air during the annual gas monitoring event. The data suggest that anaerobic biodegradation of both the peat and MGP-related constituents contribute to methane generation. Further evaluation/quantification of sources contributing methane is not necessary for this remedial project.

6 Next Steps

A fifth round of annual post-injection groundwater performance monitoring is scheduled to be implemented in October 2026 and will include the same groundwater gauging and sampling activities implemented during the fourth annual monitoring event (water level gauging at 12 wells and collection of groundwater samples for analysis of BTEX and PAHs [each of the 12 wells] and geochemical parameters [5 wells]).

Based on more than five years of air monitoring measurements, further evaluation/quantification of sources contributing methane is not necessary and subsurface gas monitoring for hydrogen sulfide, methane, and % LEL) will be discontinued.

The results of the 2026 groundwater performance monitoring will be presented to the EPA in the next Annual Groundwater Bioremediation Performance Monitoring Report.

7 References

Arcadis. 2020. Remedial Action Report, Superfund Site - Operable Unit 2, Saratoga Springs, New York, EPA ID #NYD980664361, NYSDEC Site #546015. June.

Arcadis. 2021. Groundwater Remedial Action Work Plan, Superfund Site - Operable Unit 2, Saratoga Springs, New York, EPA ID #NYD980664361, NYSDEC Site #546015. September.

Arcadis. 2023. Groundwater Remedial Action Report, Superfund Site - Operable Unit 2, Saratoga Springs, New York, EPA ID #NYD980664361, NYSDEC Site #546015. March.

Arcadis. 2024. Site Management Plan, Niagara Mohawk Power Corporation Superfund Site, OU 2 Project Area and Former Spa Steel Products Property, Saratoga County, Saratoga Springs, New York. September.

EPA. 2013. Record of Decision, Niagara Mohawk Power Corporation Superfund Site, Operable Unit 2, City of Saratoga Springs, Saratoga County, New York. March.

NYSDEC. 2004. Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations (TOGS 1.1.1). Reissued June 1998 and addended April 2000 and June 2004.

Tables

Table 1
Post-Gypsum Emplacement Groundwater Sampling Summary

Niagara Mohawk Power Corporation
Superfund Site - Operable Unit 2
Saratoga Springs, New York

Location	Date	BTEX	PAHs	Iron & Manganese	Sulfate	Sulfide	TPH DRO	TPH GRO	SGC TPH DRO	Geochemical Parameters
MW-EPA-01R	10/12/2022	X	X							
	9/21/2023	X	X							
	10/2/2024	X	X							
	10/9/2025	X	X							
MW-EPA-02R	10/11/2022	X	X							
	9/20/2023	X	X							
	10/2/2024	X	X							
	10/10/2025	X	X							
MW-EPA-03R	10/12/2022	X	X							
	9/20/2023	X	X							
	10/2/2024	X	X							
	10/8/2025	X	X							
MW-EPA-06	10/12/2022	X	X							
	9/21/2023	X	X							
	10/3/2024	X	X							
	10/10/2025	X	X							
MW-EPA-07	9/22/2021				X					
	1/25/2022				X	X				
	10/11/2022	X	X	X	X	X		X	X	X
	9/20/2023	X	X	X	X	X	X		X	X
	10/2/2024	X	X	X	X	X	X	X	X	X
	10/9/2025	X	X	X	X	X	X	X	X	X
DUP 20210922 [MW-EPA-07]	9/22/2021				X					
DUPLICATE 20220125 [MW-EPA-07]	1/25/2022				X	X				
DUP 20221011 [MW-EPA-07]	10/11/2022	X	X	X	X	X		X	X	X
DUP 20230920 [MW-EPA-07]	9/20/2023	X	X	X	X	X	X		X	X
DUP-10022024 [MW-EPA-07]	10/2/2024	X	X	X	X	X	X	X	X	X
DUP-10092025 [MW-EPA-07]	10/9/2025	X	X	X	X	X	X	X	X	X
MW-EPA-09	9/22/2021				X					
	1/25/2022				X	X				
	10/12/2022	X	X	X	X	X		X	X	X
	9/19/2023	X	X	X	X	X	X		X	X
	10/3/2024	X	X	X	X	X	X	X	X	X
	10/10/2025	X	X	X	X	X	X	X	X	X

Table 1
Post-Gypsum Emplacement Groundwater Sampling Summary

Niagara Mohawk Power Corporation
Superfund Site - Operable Unit 2
Saratoga Springs, New York

Location	Date	BTEX	PAHs	Iron & Manganese	Sulfate	Sulfide	TPH DRO	TPH GRO	SGC TPH DRO	Geochemical Parameters
MW-EPA-10	9/22/2021				X					
	1/26/2022				X	X				
	10/11/2022	X								
	10/12/2022			X						
	9/20/2023	X	X		X					
	9/21/2023			X						
	9/22/2023									X*
	10/2/2023	X	X							
	10/3/2024			X	X	X		X		X**
	10/10/2025	X	X							
	10/14/2025			X	X	X	X	X	X	X***
MW-ORS-01	1/25/2022				X	X				
	10/11/2022	X	X	X	X	X		X	X	X
	9/20/2023	X	X	X	X	X	X		X	X
	10/3/2024	X	X	X	X	X	X	X	X	X
	10/10/2025	X	X	X	X	X	X	X	X	X
MW-SS-08-05	10/12/2022	X	X							
	9/21/2023	X	X							
	10/2/2024	X	X							
	10/9/2025	X	X							
MW-SS-08-08	9/22/2021				X					
	1/25/2022				X	X				
	10/11/2022	X	X	X	X	X		X	X	X
	9/19/2023	X	X	X	X	X	X		X	X
	10/2/2024	X	X	X	X	X	X	X	X	X
	10/9/2025	X	X	X	X	X	X	X	X	X
MW-SS-09-06	10/12/2022	X	X							
	9/20/2023	X	X							
	10/3/2024	X	X							
	10/10/2025	X	X							
MW-SS-09-07	10/11/2022	X	X							
	9/20/2023	X	X							
	10/2/2024	X	X							
	10/10/2025	X	X							

Table 1
Post-Gypsum Emplacement Groundwater Sampling Summary

Niagara Mohawk Power Corporation
Superfund Site - Operable Unit 2
Saratoga Springs, New York

Notes:

1. Samples were collected by Arcadis of New York, Inc. (Arcadis) on the dates identified, except for samples collected from MW-EPA-01R and MW-EPA-03R on October 2, 2024 and October 8 and 9, 2025 which were collected by Groundwater & Environmental Services, Inc. (GES).
2. DUP = Blind duplicate [corresponding sampling location is identified in brackets].
3. Samples were submitted by Arcadis to SGS North America, Inc. of Dayton, NJ for laboratory analysis of one or more of the following constituents:
   - Benzene, toluene, ethylbenzene, and xylenes (BTEX) by United States Environmental Protection Agency (USEPA) SW-846 Method 8260D.
   - Polycyclic aromatic hydrocarbons (PAHs) using USEPA SW-846 Method 8270E by selected ion monitoring (SIM).
   - Iron and manganese using USEPA SW-846 Method 6010D.
   - Sulfide using SM4500S2-F-11.
   - Sulfate using USEPA Method 300/SW-846 Method 9056A.
   - Total petroleum hydrocarbons (TPH) gasoline range organics using USEPA SW-846 Method 8015D.
   - TPH diesel range organics (DRO) using USEPA SW-846 Method 8015D.
   - Silica gel column (SGC) TPH DRO and GRO using USEPA SW-846 Methods 3630C and 8015D.
   - Geochemical parameters by:
     - Methane using method RSK-175.
     - Alkalinity using Method SM2320 B-11.
     - Nitrate using USEPA Method 353.2/SM4500NO2B.
     - Total Kjeldahl Nitrogen using USEPA Method 351.2/LACHAT.
     - Total organic carbon using SM5310 B-11/14.
4. Samples collected by GES were submitted to Eurofins of Amherst, NY for laboratory analysis of the following:
   - BTEX using USEPA SW-846 Method 8260C.
   - PAHs using USEPA SW-846 Method 8270E SIM.
5. * = Geochemical parameters designated for analysis from MW-EPA-10 on 9/22/2023 include alkalinity, nitrate, and total organic carbon.
6. ** = Geochemical parameters designated for analysis from MW-EPA-10 on 10/3/2024 include methane, alkalinity, nitrate, and total organic carbon.
7. *** = Geochemical parameters designated for analysis from MW-EPA-10 on 10/14/2025 include methane, alkalinity, nitrate, total organic carbon, and methane.
8. A check-mark (**X**) indicates analysis was conducted.

Table 2
Monitoring Well Construction Details

Niagara Mohawk Power Corporation
Superfund Site - Operable Unit 2
Saratoga Springs, New York

Well ID	Well Installation Date	Northing Coordinate (feet NAD 83)	Easting Coordinate (feet NAD 83)	Ground Surface Elevation (feet NAVD 88)	Top of Rim (feet NAVD 88)	Top of Casing Elevation (feet NAVD)	Well Diameter (inches)	Screen Slot Size	Sump (feet)	Well Screen Depth (ft bgs)		Top of Clay (feet bgs)	Peat Interval (feet bgs)	Peat vs. Screen Interval
										Top	Bottom			
MW-ORS-01	1/19/05	1551208.58	685460.70	265.78	265.8	265.12	2	0.02	2	6	16	16	10-16	overlap
MW-EPA-01 (destroyed)	7/6/06	1551271.8	685460.6	266.44	- -	266.25	1	0.01	- -	4.5	9.5	9	- -	- -
MW-EPA-01R	6/16/20	1551273.61	685451.10	266.5	266.52	266.19	2	0.01	- -	5	10	8.5	- -	- -
MW-EPA-02 (decommissioned Sept 2018)	7/6/06	1551232.9	685359.2	266.11	- -	264.98	1	0.01	- -	8	18	20	9.5-14.5	overlap
MW-EPA-02R	6/15/20	1551161.76	685341.60	269.77	269.77	269.31	2	0.01	- -	10	20	18	- -	- -
MW-EPA-03 (destroyed)	7/6/06	1551222	685323.9	266.71	- -	266.53	1	0.01	- -	4	14	20	8-12	overlap
MW-EPA-03R	6/15/20	1551220.63	685327.07	266.89	266.88	266.58	2	0.01	- -	4	14	14	13-16	overlap
MW-EPA-04 (decommissioned Sept 2018)	7/7/06	1551205.6	685434.8	265.71	- -	265.59	1	0.01	- -	11	16	15.5	10.5-14.5	overlap
MW-EPA-05 (decommissioned Sept 2018)	7/7/06	1551160	685419	265.33	- -	265.09	1	0.01	- -	8	18	18	9-15	overlap
MW-EPA-06	7/10/06	1551140.99	685234.67	269.75	269.75	269.53*	1	0.01	- -	6.2	16.2	17	- -	- -
MW-EPA-07	7/10/06	1551148.10	685478.16	265.49	265.5	265.23**	1	0.01	- -	12	17	17	7.5-11.5	peat above screen
MW-EPA-08 (decommissioned Sept 2018)	7/11/06	1551170.6	685446.1	265.68	- -	265.44	1	0.01	- -	14	19	18.5	7.5-10.5	peat above screen
MW-EPA-09	7/11/06	1551055.69	685486.28	265.93	265.94	265.65*	1	0.01	- -	12	17	16	"little wood"	- -
MW-EPA-10	7/11/06	1551112.98	685556.04	267.03	267.05	266.86*	1	0.02	- -	10	15	14	9-11.5	overlap
MW-SS-05-01 (destroyed)	1/19/05	1551245.58	685396.61	- -	- -	- -	2	0.02	2	12.5	22.5	24.5	8.5-12.5	peat above screen
MW-SS-08-05	2/28/08	1551210.30	685575.53	268.04	268.05	266.62**	2	0.02	2	8	18	11	- -	- -
MW-SS-08-08	2/27/08	1551143.10	685464.38	265.33	265.34	265.13*	2	0.02	2	9	19	19	8-12	overlap
MW-SS-09-06	10/28/09	1551051.56	685377.38	268.21	268.2	267.93*	2	0.02	- -	10	20	20	10.5-15	overlap
MW-SS-09-07	10/28/09	1551131.88	685364.58	268.95	268.91	268.71*	2	0.02	- -	12	22	22	12.5-18	overlap

Notes:
1. Monitoring wells MW-EPA-01 and MW-EPA-03 were destroyed sometime before or during the construction of the Excelsior Springs Event Center.
2. Monitoring wells MW-EPA-02, MW-EPA-04, MW-EPA-05, and MW-EPA-08 were decommissioned on September 21, 2018 in preparation for the OU 2 soil remedial construction.
3. ft bgs = feet below ground surface.
4. NAVD = North American Vertical Datum of 1988.
5. NA = not available.
6. * = top of casing elevation is based on survey performed by Thompson-Fleming Land Surveyors, P.C. on July 20, 2020. Top of casing elevation shown differs from the elevation shown in the OU 2 Groundwater Remedial Design (Arcadis 2020), which included survey elevations measured by Land Remediation, Inc. following completion of the 2020 soil remedial action.
7. ** = top of casing elevation is based on survey performed by Rifenburg Contracting Corporation on November 16, 2022. Top of casing elevation shown differs from the elevation shown in the OU 2 Groundwater Remedial Action Report (Arcadis 2023), which included survey elevations measured by following completion of the 2022 Greenbelt Trail construction.
8. Light gray font designates wells that have been decommissioned or were destroyed.

Table 3
Water Level Measurements and Elevations

Niagara Mohawk Power Corporation
Superfund Site - Operable Unit 2
Saratoga Springs, New York

Well ID	Top of Casing Elevation (feet NAVD)	Depth to Groundwater (feet bgs)																					Range (feet bgs)	
		7/26/06	7/27/06-7/28/06	3/25/08	5/20/09-5/22/09	11/1/09	11/10/09	11/19/09	7/13/15	7/15/15-7/16/15	1/11/19-1/18/19 (Range from Twice Daily Measurements)		Measurements following Jet Grout and ISS Completion		7/7/20	8/5/20	10/5/20	6/14/21	9/22/21	10/11/22-10/12/22	9/19/23	10/1/24	10/8/25		
		SM	GWSL	SM	GWSL	SM	GWSL	GWSL	SM	GWSL	Min	Max	7/9/19	8/5/19	SM	SM	SM	SM	SM	GWSL	SM	SM	SM	Min	Max
MW-ORS-01	265.12	NA	NA	NA	NA	NA	NA	NA	4.9	NA	5.08	5.08	5.27	4.67	4.97	4.76	4.88	5.55	5.31	5.13	5.11	5.96	6.11	**4.7**	**6.1**
MW-EPA-01 (destroyed)	266.25	6.08	6.34	5.6	5.90	5.1	NA	NA	NA	NA	NA	NA	NA	NA										**5.1**	**6.3**
MW-EPA-01R	266.19														4.33	3.75	3.85	4.05	3.93	4.05	4.02	5.20	5.14	**3.8**	**5.2**
MW-EPA-02 (decommissioned Sept 2018)	264.98	4.71	5.70	3.5	4.27	3.4	NA	NA	3.31	4.00														**3.3**	**5.7**
MW-EPA-02R	269.31														10.20	10.20	10.45	10.29	10.07	10.49	10.06	10.19	10.19	**10.1**	**10.5**
MW-EPA-03 (destroyed)	266.53	4.39	4.39	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA										**4.4**	**4.4**
MW-EPA-03R	266.58														4.25	4.29	4.30	4.21	4.48	4.60	4.45	4.22	4.99	**4.2**	**5.0**
MW-EPA-04 (decommissioned Sept 2018)	265.59	7.02	6.99	7.2	7.07	6.8	NA	NA	6.11	NA														**6.1**	**7.2**
MW-EPA-05 (decommissioned Sept 2018)	265.09	6.85	NA	6.7	6.74	6.5	NA	NA	6.00	NA														**6.0**	**6.8**
MW-EPA-06	269.47	5.88	5.98	5.5	6.36	6.1	NA	NA	5.91	NA	NA	NA	NA	NA										**5.5**	**6.4**
	269.53														6.51	6.65	6.81	6.55	6.12	6.78	6.45	6.49	6.57	**6.1**	**6.8**
MW-EPA-07	265.63	7.74	7.74	7.5	7.78	7.5	NA	NA	6.75	NA	6.95	6.95	7.24	6.95										**6.8**	**7.8**
	265.28														7.48	7.30	7.40	7.33	6.93					**6.9**	**7.5**
	265.23																			7.58	6.92	7.51	7.51	**6.9**	**7.6**
MW-EPA-08 (decommissioned Sept 2018)	265.44	7.03	NA	7.1	7.38	7.1	NA	NA	6.47	NA														**6.5**	**7.4**
MW-EPA-09	265.57	10.23	10.29	10.0	10.20	10.2	NA	NA	10.16	10.25	NA	NA	NA	NA										**10.0**	**10.3**
	265.65														10.32	10.26	10.28	10.21	10.23	10.31	10.30	10.26	10.20	**10.2**	**10.3**
MW-EPA-10	266.85	11.48	11.47	10.8	11.37	11.5	NA	NA	11.06	11.24	NA	NA	NA	NA										**10.8**	**11.5**
	266.86														11.60	11.41	11.59	11.30	11.30	11.60	11.51	11.41	11.50	**11.3**	**11.6**
MW-SS-08-05	267.70	NA	NA	NA	10.18	9.3	NA	NA	8.84	11.03	NA	NA	NA	NA										**8.8**	**11.0**
	267.79														10.44	10.52	10.24	10.02	9.54					**9.5**	**10.5**
	266.62																			9.06	8.51	8.61	7.99	**8.0**	**9.1**
MW-SS-08-08	265.04	NA	NA	6.7	7.30	7.1	NA	NA	6.43	6.66	6.68	6.68	7.41	7.05										**6.4**	**7.4**
	265.13														7.50	7.21	7.36	7.00	6.81	7.25	6.95	7.36	7.46	**6.8**	**7.5**
MW-SS-09-06	268.17	NA	NA	NA	NA	11.5	11.22	11.23	12.05	11.17	NA	NA	NA	NA										**11.2**	**12.1**
	267.93														11.39	11.20	11.55	11.29	12.77	11.40	11.18	11.39	11.34	**11.2**	**12.8**
MW-SS-09-07	268.64	NA	NA	NA	NA	9.5	9.55	9.56	9.01	9.34	8.89	9.09	9.83	9.74										**8.9**	**9.8**
	268.71														9.23	9.75	10.24	9.00	9.19	9.42	8.91	8.98	10.94	**8.9**	**10.9**

Table 3
Water Level Measurements and Elevations

Niagara Mohawk Power Corporation
Superfund Site - Operable Unit 2
Saratoga Springs, New York

Well ID	Top of Casing Elevation (feet NAVD)	Groundwater Elevation (feet NAVD 88)																					Range (feet NAVD 88)	
		7/26/06	7/27/06-7/28/06	3/25/08	5/20/09-5/22/09	11/1/09	11/10/09	11/19/09	7/13/15	7/15/15-7/16/15	1/11/19-1/18/19 (Range from Twice Daily Measurements)		Measurements following Jet Grout and ISS Completion		7/7/20	8/5/20	10/5/20	6/14/21	9/22/21	10/11/22-10/12/22	9/19/23	10/1/24	10/8/25	
		SM	GWSL	SM	GWSL	SM	GWSL	GWSL	SM	GWSL	Min	Max	7/9/19	8/5/19	SM	SM	SM	SM	SM	GWSL	SM	SM	SM	Min	Max
MW-ORS-01	265.12	NA	NA	NA	NA	NA	NA	NA	260.22	NA	260.04	260.04	259.85	260.45	260.15	260.36	260.24	259.57	259.81	259.99	260.01	259.16	259.01	**259.0**	**260.5**
MW-EPA-01 (destroyed)	266.25	260.17	259.91	260.70	260.35	261.10	NA	NA	NA	NA	NA	NA	NA	NA										**259.9**	**261.1**
MW-EPA-01R	266.19														261.86	262.44	262.34	262.14	262.26	262.14	262.17	260.99	261.05	**261.0**	**262.4**
MW-EPA-02 (decommissioned Sept 2018)	264.98	260.27	259.28	261.50	260.71	261.60	NA	NA	261.67	260.98														**259.3**	**261.7**
MW-EPA-02R	269.31														259.11	259.11	258.86	259.02	259.24	258.82	259.25	259.12	259.12	**258.8**	**259.3**
MW-EPA-03 (destroyed)	266.53	262.14	262.14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA										**262.1**	**262.1**
MW-EPA-03R	266.58														262.33	262.29	262.28	262.37	262.10	261.98	262.13	262.36	261.59	**261.6**	**262.4**
MW-EPA-04 (decommissioned Sept 2018)	265.59	258.57	258.60	258.40	258.52	258.80	NA	NA	259.48	NA														**258.4**	**259.5**
MW-EPA-05 (decommissioned Sept 2018)	265.09	258.24	NA	258.40	258.35	258.60	NA	NA	259.09	NA														**258.2**	**259.1**
MW-EPA-06	269.47	263.59	263.49	264.00	263.11	263.40	NA	NA	263.56	NA	NA	NA	NA	NA										**263.1**	**264.0**
	269.53														263.02	262.88	262.72	262.98	263.41	262.75	263.08	263.04	262.96	**262.7**	**263.4**
MW-EPA-07	265.63	257.89	257.89	258.10	257.85	258.10	NA	NA	258.88	NA	258.68	258.68	258.39	258.68										**257.9**	**258.9**
	265.28														257.80	257.98	257.88	257.95	258.35					**257.8**	**258.4**
	265.23																			257.65	258.31	257.72	257.72	**257.7**	**258.3**
MW-EPA-08 (decommissioned Sept 2018)	265.44	258.41	NA	258.30	258.06	258.30	NA	NA	258.97	NA														**258.1**	**259.0**
MW-EPA-09	265.57	255.34	255.28	255.60	255.37	255.40	NA	NA	255.41	255.32	NA	NA	NA	NA										**255.3**	**255.6**
	265.65														255.33	255.39	255.37	255.44	255.42	255.34	255.35	255.39	255.45	**255.3**	**255.5**
MW-EPA-10	266.85	255.37	255.38	256.10	255.48	255.40	NA	NA	255.79	255.61	NA	NA	NA	NA										**255.4**	**256.1**
	266.86														255.26	255.45	255.27	255.56	255.56	255.26	255.35	255.45	255.36	**255.3**	**255.6**
MW-SS-08-05	267.70	NA	NA	NA	257.52	258.40	NA	NA	258.86	256.67	NA	NA	NA	NA										**256.7**	**258.9**
	267.79														257.35	257.27	257.55	257.77	258.25					**257.3**	**258.3**
	266.62																			257.56	258.11	258.01	258.63	**257.6**	**258.6**
MW-SS-08-08	265.04	NA	NA	258.30	257.74	257.90	NA	NA	258.61	258.38	258.36	258.36	257.63	257.99										**257.6**	**258.6**
	265.13														257.63	257.92	257.77	258.13	258.32	257.88	258.18	257.77	257.67	**257.6**	**258.3**
MW-SS-09-06	268.17	NA	NA	NA	NA	256.70	256.95	256.94	256.12	257.00	NA	NA	NA	NA										**256.1**	**257.0**
	267.93														256.54	256.73	256.38	256.64	255.16	256.53	256.75	256.54	256.59	**255.2**	**256.8**
MW-SS-09-07	268.64	NA	NA	NA	NA	259.10	259.09	259.08	259.63	259.30	259.75	259.55	258.81	258.90										**258.8**	**259.8**
	268.71														259.48	258.96	258.47	259.71	259.52	259.29	259.80	259.73	257.77	**257.8**	**259.8**

Notes:
1. Monitoring wells MW-EPA-01 and MW-EPA-03 were destroyed sometime before or during the construction of the Excelsior Springs Event Center.
2. Monitoring wells MW-EPA-02, MW-EPA-04, MW-EPA-05, and MW-EPA-08 were decommissioned on September 21, 2018 in preparation for the OU 2 soil remedial construction.
3. ft bgs = feet below ground surface.
4. NAVD = North American Vertical Datum of 1988.
5. NA = not available.
6. MW-ORS-01 elevation was historically reported as 265.4'; used 265.12' for 2015 potentiometric surface map.
7. SM = synoptic measurement.
8. GWSL = groundwater sampling level.

Table 4
Pre- vs. Post-Emplacement Sulfate Groundwater Analytical Results (ppb)

Niagara Mohawk Power Corporation
Superfund Site - Operable Unit 2 Project Area
Saratoga Springs, New York

Location ID	Location	Sample Date	Sampled Before or After Gypsum Slurry Injection	Sulfate Concentrations (µg/L)
Existing Monitoring Wells Upgradient from Gypsum Slurry Injection Area				
MW-EPA-01R	East of Jet Grout Wall (Approximately 75 Feet North/Northeast of Gypsum Slurry Injection Area	07/07/20	Before	171,000
		08/05/20		171,000
		10/05/20		177,000
MW-ORS-01	North/Northeast of Gypsum Slurry Injection Area	07/08/20	Before	54,400
		08/06/20		174,000
		10/06/20		66,400
		06/15/21	Before (Baseline Event)	33,500
		01/25/22	After	14,400
		10/11/22		25,100
		09/20/23		21,000
		10/03/24		3,800
		10/10/25		10,300
Existing Monitoring Wells Downgradient from Gypsum Slurry Injection Area				
MW-SS-08-08	Approximately 12 Feet Downgradient from Gypsum Slurry Injection Area	05/21/09	Before	<5,000
		07/08/20		311,000 [311,000]
		08/06/20		257,000 [262,000]
		10/06/20		160,000 [159,000]
		06/15/21	Before (Baseline Event)	27,100 J
		09/22/21	Immediately After	59,700
		01/25/22	After	280,000
		10/11/22		199,000
		09/19/23		273,000
		10/02/24		277,000
		10/09/25		128,000
MW-EPA-07	Approximately 10 Feet Downgradient from Gypsum Slurry Injection Area	05/22/09	Before	<5,000 [<5,000]
		07/08/20		1,100 J
		08/06/20		<2,000
		10/06/20		600 J
		06/15/21	Before (Baseline Event)	<2,000 [<2,000]
		09/22/21	Immediately After	<2,000 [<2,000]
		01/25/22	After	2,600 [2,600]
		10/11/22		47,300 [48,000]
		09/20/23		59,000 [58,000]
		10/02/24		16,100 [15,700]
		10/09/25		17,600 [15,400]
MW-EPA-09	Approximately 100 Feet Downgradient from Gypsum Slurry Injection Area	05/20/09	Before	143,000
		07/07/20		55,800
		08/05/20		95,300
		10/05/20		76,000
		06/14/21	Before (Baseline Event)	165,000
		09/22/21	Immediately After	84,200
		01/25/22	After	145,000
		10/12/22		74,000
		09/19/23		73,300
		10/03/24		97,900
		10/10/25		114,000

Table 4
Pre- vs. Post-Emplacement Sulfate Groundwater Analytical Results (ppb)

Niagara Mohawk Power Corporation
Superfund Site - Operable Unit 2 Project Area
Saratoga Springs, New York

Location ID	Location	Sample Date	Sampled Before or After Gypsum Slurry Injection	Sulfate Concentrations (µg/L)
MW-EPA-10	Approximately 90 Feet Downgradient from Gypsum Slurry Injection Area	05/20/09	Before	<5,000
		08/06/20		<2,000
		10/05/20		<2,000
		09/22/21	Immediately After	<2,000
		01/26/22	After	<2,000
		09/20/23		<2,000
		10/03/24		<2,000
		10/14/25		<2,000
Existing Monitoring Wells Sidegradient from Gypsum Slurry Injection Area				
MW-EPA-02R	West of ISS Area	07/07/20	Before	82,000
		08/06/20		58,600
		10/06/20		47,800
MW-EPA-03R	West of Jet Grout Wall	07/07/20	Before	73,200
		08/05/20		34,900
		10/05/20		48,200
MW-EPA-06	West of ISS Area	05/21/09	Before	131,000
		07/09/20		140,000
		08/06/20		139,000
		10/06/20		110,000
MW-SS-08-05	East of ISS Area	05/22/09	Before	62,200
		07/07/20		5,600
		08/06/20		29,800
		10/05/20		56,400
MW-SS-09-06	Southwest of ISS Area	07/09/20	Before	95,000
		08/05/20		91,500
		10/05/20		77,200
MW-SS-09-07	West of ISS Area	08/06/20	Before	114,000
		10/05/20		101,000
Former Monitoring Wells (Lost or Decommissioned Before Groundwater Bioremediation)				
MW-EPA-01 (lost or destroyed)	East of Jet Grout Wall	05/20/09	Before	310,000
MW-EPA-02 (decommissioned 9/21/18)	Beneath Subsurface Mat	05/21/09	Before	248,000
MW-EPA-03 (lost or destroyed)	West of Jet Grout Wall	Not Sampled for Sulfate	- -	- -
MW-EPA-04 (decommissioned 9/21/18)	Immediately East of ISS Area	05/21/09	Before	<5,000
MW-EPA-05 (decommissioned 9/21/18)	Within ISS Footprint	05/21/09	Before	8,400
MW-EPA-08 (decommissioned 9/21/18)	Within ISS Footprint	05/22/09	Before	<5,000
MW-SS-05-01 (lost or destroyed)	Beneath Subsurface Mat	Not Sampled for Sulfate	- -	- -

Notes:
1. All concentrations reported micrograms per liter (µg/L), which is equivalent to parts per billion (ppb).
2. ISS = In-situ soil solidification/stabilization.
3. Values in brackets [ ] indicate a duplicate sample.
4. Gypsum slurry emplacement took place from Setptember 14-17, 2021.
5. Orange-shaded values are baseline results for samples collected three months before gypsum slurry emplacement.
6. Gray-shaded values are samples collected following gypsum slurry emplacement.
7. Results have been validated in accordance with USEPA National Functional Guidelines of October 1999.

Table 5
Groundwater Analytical Results (ppb)

Niagara Mohawk Power Corporation
Superfund Site - Operable Unit 2 Project Area
Saratoga Springs, New York

Location ID:	NYSDEC Groundwater Standards and Guidance Values (Bold Font)	Federal MCLs (Shaded)	MW-EPA-01 (lost or destroyed)			MW-EPA-01R									MW-EPA-02 (decommissioned 9/21/18)				MW-EPA-02R									MW-EPA-03 (lost or destroyed)
Date Collected:			07/28/06	03/26/08	05/20/09	07/07/20	07/08/20	08/05/20	10/05/20	06/14/21	10/12/22	09/21/23	10/02/24	10/09/25	07/27/06	03/26/08	05/21/09	07/16/15	07/07/20	07/08/20	08/06/20	10/06/20	06/14/21	10/11/22	09/20/23	10/02/24	10/10/25	07/28/06
Detected BTEX																												
Benzene	1	5	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<1.0	<0.50	<0.50	<0.50	<1.0	<1.0	**4.2**	**3.8**	**2.9**	<0.50	<1.0	NA	<1.0	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0
Ethylbenzene	5	700	<1.0	<4.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.7	<4.0	**8.5**	0.51 J	0.59 J	NA	0.60 J	<10	<1.0	0.67 J	<1.0	<1.0	<1.0	<1.0
Toluene	5	1,000	<1.0	<5.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	0.16 J	<1.0	0.24 J	NA	0.25 J	<10	<1.0	0.52 J	<1.0	<1.0	<1.0	<1.0
Xylenes (total)	5	10,000	<3.0	<5.0	<3.0	ND	NA	ND	ND	<1.0	<1.0	<1.0	<2.0	<2.0	1.5 J	<5.0	1.4 J	<1.0	1.7 J	NA	2.0 J	ND	<1.0	0.89 J	<1.0	<1.0	<1.0	<3.0
Total BTEX	- -	- -	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	7.4 J	3.8	13 J	0.51 J	0.83 J	NA	0.85 J	ND	ND	2.1 J	ND	ND	ND	ND
Detected PAHs by USEPA Method 8270C																												
2-Methylnaphthalene	- -	- -	NA	<10 J	<10	NA	<0.22	<0.19	<0.22	<0.074	<0.097	<0.067	NA	NA	NA	<10 J	7.2 J	<2.2	NA	<0.21	<0.19	<0.19	<0.077	<0.095	<0.080	0.31 J	NA	NA
Acenaphthene	20	- -	NA	<10 J	<10	NA	<0.22	0.36	0.092 J	0.066 J	<0.097	0.12	<5.0	0.032 J	NA	<10 J	14	1.6 J	NA	2.3	0.90	1.2	1.1	3.1	2.2	1.3	1.8 J	NA
Acenaphthylene	- -	- -	NA	<10 J	<10	NA	<0.22	<0.19	<0.22	<0.074	<0.097	<0.067	<5.0	<0.050	NA	<10 J	<10	<2.2	NA	2.0	1.2	2.0	1.6	2.9	1.3	0.67	0.47	NA
Anthracene	50	- -	NA	<10 J	<10	NA	<0.22	<0.19	<0.22	<0.074	<0.097	0.15 J	<5.0	<0.050	NA	<10 J	<10	<2.2	NA	0.079 J	<0.19	<0.19	<0.077	0.048 J	0.064 J	<0.080	<0.080	NA
Benzo(a)anthracene	0.002	- -	NA	<1.0 J	<1.0	NA	<0.22	<0.19	<0.22	<0.037	<0.049	**0.050**	<5.0	<0.050	NA	<1.0 J	<1.0	<2.2	NA	<0.21	<0.19	<0.19	<0.038	<0.048	**0.049**	<0.040	<0.040	NA
Benzo(a)pyrene	0	0.2	NA	<1.0 J	<1.0	NA	<0.22	<0.19	<0.22	<0.037	<0.049	<0.033	<5.0	<0.050	NA	<1.0 J	<1.0	<2.2	NA	<0.21	<0.19	<0.19	<0.038	<0.048	**0.050**	<0.040	<0.040	NA
Benzo(b)fluoranthene	0.002	- -	NA	<1.0 J	<1.0	NA	<0.22	<0.19	<0.22	<0.037	<0.049	**0.025 J**	<5.0	<0.050	NA	<1.0 J	<1.0	<2.2	NA	<0.21	<0.19	<0.19	<0.038	<0.048	**0.080**	<0.040	<0.040	NA
Benzo(ghi)perylene	- -	- -	NA	<10 J	<10	NA	<0.22	<0.19	<0.22	<0.074	<0.097	<0.067 J	<5.0	<0.050	NA	<10 J	<10	<2.2	NA	<0.21	<0.19	<0.19	<0.077	<0.095	0.062 J	<0.080	<0.080	NA
Benzo(k)fluoranthene	0.002	- -	NA	<1.0 J	<1.0	NA	<0.22	<0.19	<0.22	<0.074	<0.097	<0.067	<5.0	<0.050	NA	<1.0 J	<1.0	<2.2	NA	<0.21	<0.19	<0.19	<0.077	<0.095	<0.080	<0.080	<0.080	NA
Chrysene	0.002	- -	NA	<10 J	<10	NA	<0.22	<0.19	<0.22	<0.074	<0.097	**0.057 J**	<5.0	<0.050	NA	<10 J	<10	<2.2	NA	<0.21	<0.19	<0.19	<0.077	<0.095	**0.047 J**	<0.080	<0.080	NA
Dibenzo(a,h)anthracene	- -	- -	NA	<1.0 J	<1.0	NA	<0.22	<0.19	<0.22	<0.074	<0.097	<0.067	<5.0	<0.050 J	NA	<1.0 J	<1.0	<2.2	NA	<0.21	<0.19	<0.19	<0.077	<0.095	<0.080 J	<0.080	<0.080	NA
Fluoranthene	50	- -	NA	<10 J	<10	NA	<0.22	<0.19	<0.22	<0.074	<0.097	0.33	<5.0	<0.050	NA	<10 J	<10	<2.2	NA	<0.21	<0.19	<0.19	<0.077	<0.095	0.11	<0.080	<0.080	NA
Fluorene	50	- -	NA	<10 J	<10	NA	<0.22	<0.19	<0.22	<0.074	<0.097	0.086	<5.0	<0.050	NA	<10 J	<10	0.24 J	NA	1.1	0.48	0.64	0.33	0.83	0.46	0.25	0.29	NA
Indeno(1,2,3-cd)pyrene	0.002	- -	NA	<1.0 J	<1.0	NA	<0.22	<0.19	<0.22	<0.074	<0.097	<0.067 J	<5.0	<0.050	NA	<1.0 J	<1.0	<2.2	NA	<0.21	<0.19	<0.19	<0.077	<0.095	**0.054 J**	<0.080	<0.080	NA
Naphthalene	10	- -	NA	<10 J	<10	NA	<0.22	<0.19	0.082 BJ	<0.074	<0.097	0.082	<5.0	<0.20	NA	<10 J	**200**	3.3	NA	0.12 J	0.16 J	0.17 J	0.12	0.18	0.12	0.053 J	0.064 J	NA
Phenanthrene	50	- -	NA	<10 J	<10	NA	<0.22	<0.19	<0.22	<0.074	<0.049	0.67	<5.0	<0.050	NA	<10 J	<10	<2.2	NA	0.42	0.34	0.48	0.26	0.20	0.16	0.085	<0.080	NA
Pyrene	50	- -	NA	<10 J	<10	NA	<0.22	<0.19	<0.22	0.055 J	<0.097	0.50	<5.0	0.072	NA	<10 J	<10	<2.2	NA	<0.21	<0.19	<0.19	<0.077	<0.095	0.11	<0.080	<0.080	NA
Total PAHs	- -	- -	NA	ND	ND	NA	ND	0.36	0.17 J	0.12 J	ND	2.1 J	ND	0.10 J	NA	ND	220 J	5.1 J	NA	6.0 J	3.1 J	4.5 J	3.4	7.3 J	4.9 J	2.7 J	2.6 J	NA
Detected PAHs by USEPA Method 8310																												
2-Methylnaphthalene	- -	- -	<0.95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.95
Acenaphthene	20	- -	<0.95	<0.94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.0 NJ	<0.94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.95
Acenaphthylene	- -	- -	0.87 J	<0.94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.97	<0.94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.95
Anthracene	50	- -	<0.19	<0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.13 J	0.026 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.19
Benzo(ghi)perylene	- -	- -	<0.19	<0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.19	<0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.19
Chrysene	0.002	- -	<0.19	<0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.19	<0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.19
Fluoranthene	50	- -	<0.19	<0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.19	<0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.034 J
Fluorene	50	- -	<0.19	<0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.19	<0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.19
Naphthalene	10	- -	<0.95	<0.94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**12**	<0.94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.95
Phenanthrene	50	- -	<0.19	0.090 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.29	0.11 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.19
Pyrene	50	- -	<0.19	<0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.19	<0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.19
Total PAHs	- -	- -	0.87 J	0.090 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	13 J	0.14 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.034 J
Detected Inorganics																												
Iron (Total)	300	- -	NA	NA	**4,590**	**2,470**	NA	**3,400**	**4,900**	NA	NA	NA	NA	NA	NA	NA	**27,700**	NA	**2,570**	NA	**5,640**	**3,050**	NA	NA	NA	NA	NA	NA
Iron (Filtered)	300	- -	NA	NA	89.0 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**2,110**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese (Total)	300	- -	NA	NA	**1,520 J**	**757**	NA	**819**	**1,020**	NA	NA	NA	NA	NA	NA	NA	**1,780**	NA	**1,110**	NA	**1,120**	**824**	NA	NA	NA	NA	NA	NA
Manganese (Filtered)	300	- -	NA	NA	**1,880 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1,790**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Miscellaneous																												
Alkalinity	- -	- -	NA	NA	263,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	382,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity-CaCO3	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ammonia	- -	- -	NA	NA	320	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	- -	- -	NA	NA	55,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	- -	- -	NA	NA	7.90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	490	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate as N	- -	10,000	NA	NA	170 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrite as N	- -	1,000	NA	NA	<100 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate + Nitrite	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Total Kjeldahl	- -	- -	NA	NA	510	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3,800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Orthophosphate as P	- -	- -	NA	NA	<30.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	37.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oxygen	- -	- -	NA	NA	8,500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3,500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250,000	- -	NA	NA	**310,000**	171,000	NA	171,000	177,000	NA	NA	NA	NA	NA	NA	NA	248,000	NA	82,000	NA	58,600	47,800	NA	NA	NA	NA	NA	NA
Total Organic Carbon	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH DRO	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH GRO	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SGC TPH DRO	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 5
Groundwater Analytical Results (ppb)

Niagara Mohawk Power Corporation
Superfund Site - Operable Unit 2 Project Area
Saratoga Springs, New York

Location ID:	NYSDEC Groundwater Standards and Guidance Values (Bold Font)	Federal MCLs (Shaded)	MW-EPA-03R									MW-EPA-04 (decommissioned 9/21/18)			MW-EPA-05 (decommissioned 9/21/18)		MW-EPA-06									
Date Collected:			07/07/20	07/08/20	08/05/20	10/05/20	06/14/21	10/12/22	09/20/23	10/02/24	10/08/25	07/27/06	03/26/08	05/21/09	03/26/08	05/21/09	07/28/06	05/21/09	07/09/20	08/06/20	10/06/20	06/14/21	10/12/22	09/21/23	10/03/24	10/10/25
Detected BTEX																										
Benzene	1	5	<5.0	NA	<5.0	<1.0	<0.50	<0.50	<0.50	<1.0	<1.0	**1,500**	**910**	**2,300**	**620**	**650**	<1.0	<1.0	<1.0	<1.0	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50
Ethylbenzene	5	700	<5.0	NA	<5.0	<1.0	<1.0	<1.0	0.67 J	<1.0	<1.0	**61**	**140**	**85**	**680**	**900**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	5	1,000	<5.0	NA	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<50	**5.6 J**	**6.2 J**	**88**	**100**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes (total)	5	10,000	ND	NA	ND	ND	<1.0	<1.0	<1.0	<2.0	<2.0	**51 J**	**76**	**46 J**	**580**	**710**	<3.0	<3.0	ND	ND	ND	<1.0	<1.0	<1.0	<1.0	<1.0
Total BTEX	- -	- -	ND	NA	ND	ND	ND	ND	0.67 J	ND	ND	1,600 J	1,100 J	2,400 J	2,000	2,400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Detected PAHs by USEPA Method 8270C																										
2-Methylnaphthalene	- -	- -	NA	<0.22	<0.19	<0.19	<0.073	<0.098	0.37	NA	NA	NA	130	94	180	6,700 J	NA	<10	0.081 J	<0.19	<0.19	<0.074	<0.098	0.047 J	<0.080	NA
Acenaphthene	20	- -	NA	0.089 J	0.16 J	0.075 J	0.81	0.94	3.1	<5.0	2.1	NA	**22 J**	**23**	**43 J**	**3,000 J**	NA	<10	<0.21	<0.19	<0.19	<0.074	<0.098	<0.077	<0.080	<0.080 J
Acenaphthylene	- -	- -	NA	<0.22	0.064 J	<0.19	0.90	1.3	3.5	<5.0	2.5	NA	<50	<20	20 J	1,300 J	NA	<10	<0.21	<0.19	<0.19	<0.074	<0.098	<0.077	<0.080	<0.080
Anthracene	50	- -	NA	<0.22	<0.19	<0.19	<0.073	<0.098	0.055 J	<5.0	<0.050	NA	<50	<20	2.7 J	**1,500 J**	NA	<10	<0.21	<0.19	<0.19	<0.074	<0.098	<0.077	<0.080	<0.080
Benzo(a)anthracene	0.002	- -	NA	<0.22	<0.19	<0.19	<0.036	<0.049	**0.050**	<5.0	<0.050	NA	<5.0	<2.0	<5.0	**690 J**	NA	<1.0	<0.21	<0.19	<0.19	<0.037	<0.049	<0.038	<0.040	<0.040
Benzo(a)pyrene	0	0.2	NA	<0.22	<0.19	<0.19	<0.036	<0.049	**0.028 J**	<5.0	<0.050	NA	<5.0	<2.0	<5.0	**460 J**	NA	<1.0	<0.21	<0.19	<0.19	<0.037	<0.049	<0.038	<0.040	<0.040
Benzo(b)fluoranthene	0.002	- -	NA	<0.22	<0.19	<0.19	<0.036	<0.049	**0.049**	<5.0	<0.050	NA	<5.0	<2.0	<5.0	**220 J**	NA	<1.0	<0.21	<0.19	<0.19	<0.037	<0.049	<0.038	<0.040	<0.040
Benzo(ghi)perylene	- -	- -	NA	<0.22	<0.19	<0.19	<0.073	<0.098	0.042 J	<5.0	<0.050	NA	<50	<20	<50	150 J	NA	<10	<0.21	<0.19	<0.19	<0.074	<0.098	<0.077 J	<0.080	<0.080
Benzo(k)fluoranthene	0.002	- -	NA	<0.22	<0.19	<0.19	<0.073	<0.098	<0.080	<5.0	<0.050	NA	<5.0	<2.0	<5.0	**300 J**	NA	<1.0	<0.21	<0.19	<0.19	<0.074	<0.098	<0.077	<0.080	<0.080
Chrysene	0.002	- -	NA	<0.22	<0.19	<0.19	<0.073	<0.098	**0.059 J**	<5.0	<0.050	NA	<50	<20	<50	**740 J**	NA	<10	<0.21	<0.19	<0.19	<0.074	<0.098	<0.077	<0.080	<0.080
Dibenzo(a,h)anthracene	- -	- -	NA	<0.22	<0.19	<0.19	<0.073	<0.098	0.051 J	<5.0	<0.050 J	NA	<5.0	<2.0	<5.0	<50 J	NA	<1.0	<0.21	<0.19	<0.19	<0.074	<0.098	<0.077	<0.080	<0.080
Fluoranthene	50	- -	NA	<0.22	<0.19	<0.19	<0.073	<0.098	0.052 J	<5.0	<0.050	NA	<50	<20	<50	**1,400 J**	NA	<10	<0.21	<0.19	<0.19	<0.074	<0.098	<0.077	<0.080	<0.080
Fluorene	50	- -	NA	<0.22	<0.19	<0.19	0.055 J	0.078 J	0.28	<5.0	0.16	NA	<50	<20	12 J	**2,200 J**	NA	<10	<0.21	<0.19	<0.19	<0.074	<0.098	<0.077	<0.080	<0.080
Indeno(1,2,3-cd)pyrene	0.002	- -	NA	<0.22	<0.19	<0.19	<0.073	<0.098	<0.080 J	<5.0	<0.050	NA	<5.0	<2.0	<5.0	**130 J**	NA	<1.0	<0.21	<0.19	<0.19	<0.074	<0.098	<0.077 J	<0.080	<0.080
Naphthalene	10	- -	NA	0.065 J	0.073 J	0.46 B	0.12	0.15	3.1	<5.0	0.37	NA	**820**	**420**	**990**	**9,600 J**	NA	<10	0.81	0.19 J	0.10 J	<0.074	<0.098	<0.077	<0.080	0.077 J
Phenanthrene	50	- -	NA	<0.22	<0.19	<0.19	<0.073	<0.049	0.12	<5.0	<0.050	NA	<50	<20	10 J	**4,800 J**	NA	<10	<0.21	<0.19	<0.19	<0.074	<0.049	<0.077 B	<0.080	<0.080
Pyrene	50	- -	NA	<0.22	<0.19	<0.19	<0.073	<0.098	0.061 J	<5.0	<0.050	NA	<50	<20	1.4 J	**2,000 J**	NA	<10	<0.21	<0.19	<0.19	<0.074	<0.098	<0.077	<0.080	<0.080
Total PAHs	- -	- -	NA	0.15 J	0.30 J	0.54 J	1.9 J	2.4 J	11 J	ND	5.1	NA	970 J	540	1,300 J	35,000 J	NA	ND	0.89 J	0.19 J	0.10 J	ND	ND	0.047 J	ND	0.077 J
Detected PAHs by USEPA Method 8310																										
2-Methylnaphthalene	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	16	NA	NA	NA	NA	<0.95	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	20	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	<9.5	**21 JN**	NA	**46 JN**	NA	<0.95	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthylene	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	<9.5	<4.7	NA	<9.5	NA	<0.95	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	50	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1.9	<0.94	NA	2.4 JN	NA	<0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(ghi)perylene	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1.9	<0.94	NA	<1.9	NA	<0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	0.002	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1.9	<0.94	NA	<1.9	NA	<0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	50	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.25 J	<0.94	NA	<1.9	NA	<0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	50	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1.9	1.2 JN	NA	10 JN	NA	<0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	10	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	**270**	**590**	NA	**1,200**	NA	<0.95	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	50	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1.9	<0.94	NA	9.1	NA	<0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	50	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1.9	<0.94	NA	<1.9	NA	<0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PAHs	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	290 J	610 J	NA	1,300 J	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Inorganics																										
Iron (Total)	300	- -	**4,110**	NA	**4,470**	**6,520**	NA	NA	NA	NA	NA	NA	NA	**4,050**	NA	**397**	NA	99.6 J	**491**	255	228	NA	NA	NA	NA	NA
Iron (Filtered)	300	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**730**	NA	<150	NA	<150	NA	NA	NA	NA	NA	NA	NA	NA
Manganese (Total)	300	- -	**899**	NA	**1,250**	**1,490**	NA	NA	NA	NA	NA	NA	NA	282	NA	230	NA	77.1	**304**	**356**	**455**	NA	NA	NA	NA	NA
Manganese (Filtered)	300	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	295	NA	227	NA	66.8	NA	NA	NA	NA	NA	NA	NA	NA
Detected Miscellaneous																										
Alkalinity	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	734,000	NA	482,000	NA	320,000	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity-CaCO3	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ammonia	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3,400	NA	2,200	NA	140	NA	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	270,000	NA	130,000	NA	55,000	NA	NA	NA	NA	NA	NA	NA	NA
Methane	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8,700	NA	3,200	NA	2.90	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate as N	- -	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<100	NA	300	NA	950	NA	NA	NA	NA	NA	NA	NA	NA
Nitrite as N	- -	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<100	NA	<100	NA	<100	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate + Nitrite	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Total Kjeldahl	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5,300	NA	2,800	NA	160 J	NA	NA	NA	NA	NA	NA	NA	NA
Orthophosphate as P	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	120	NA	35.0	NA	<30.0	NA	NA	NA	NA	NA	NA	NA	NA
Oxygen	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3,100	NA	4,000	NA	4,700	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250,000	- -	73,200	NA	34,900	48,200	NA	NA	NA	NA	NA	NA	NA	<5,000	NA	8,400	NA	131,000	140,000	139,000	110,000	NA	NA	NA	NA	NA
Total Organic Carbon	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH DRO	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH GRO	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SGC TPH DRO	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 5
Groundwater Analytical Results (ppb)

Niagara Mohawk Power Corporation
Superfund Site - Operable Unit 2 Project Area
Saratoga Springs, New York

Location ID:	NYSDEC Groundwater Standards and Guidance Values (Bold Font)	Federal MCLs (Shaded)	MW-EPA-07														MW-EPA-08 (decom-missioned 9/21/18)
Date Collected:			07/27/06	03/26/08	05/22/09	07/08/20	08/06/20	10/06/20	06/15/21	06/25/21	09/22/21	01/25/22	10/11/22	09/20/23	10/02/24	10/09/25	05/22/09
Detected BTEX																	
Benzene	1	5	<1.0 [<1.0]	**140**	**130 J [47 J]**	**8.3**	**5.4**	**1.2**	**39 [39]**	NA	NA	NA	**3.0 J [18 J]**	**11 [13]**	**6.4 [6.1]**	**12 J [8.9 J]**	**630**
Ethylbenzene	5	700	<1.0 [<1.0]	**200**	**150 J [48 J]**	**30**	**25**	4.5	**250 [260]**	NA	NA	NA	**37 J [190 J]**	**170 [180]**	**81 [91]**	**150 J [130]**	**920**
Toluene	5	1,000	<1.0 [<1.0]	**230**	**75 J [25 J]**	0.78 J	0.48 J	<1.0	1.9 J [1.9 J]	NA	NA	NA	<1.0 [2.1]	0.88 J [0.84 J]	0.68 J [0.89 J]	1.2 [1.0]	**460**
Xylenes (total)	5	10,000	<3.0 [<3.0]	**190**	**150 J [47 J]**	**18**	**15**	2.8 J	**160 [160]**	NA	NA	NA	**17 J [100 J]**	**58 [63]**	**37 [42]**	**64 [58]**	**1,100**
Total BTEX	- -	- -	ND [ND]	760	510 J [170 J]	39 J	31 J	5.7	450 J [460 J]	NA	NA	NA	57 J [310 J]	240 J [260 J]	120 J [140 J]	230 J [200 J]	3,100
Detected PAHs by USEPA Method 8270C																	
2-Methylnaphthalene	- -	- -	NA	1.0 J	21 J [<100 J]	160	200 D	66 E	100 D [110 D]	NA	NA	NA	82 D [89 D]	18 DJ [85 DJ]	28 DJ [21 DJ]	NA	770 J
Acenaphthene	20	- -	<9.5	0.30 J	<50 [<100 J]	**54**	**67 D**	**22 E**	**32 D [35 D]**	NA	NA	NA	**27 D [28 D]**	**12 DJ [36 DJ]**	12 D [11 D]	10 D [9.7 D]	**160 J**
Acenaphthylene	- -	- -	NA	<10	<50 [<100 J]	<11	<0.20	0.25	<0.080 [<0.077]	NA	NA	NA	<0.096 [<0.097]	<0.080 [<0.080]	0.092 [0.083]	0.072 J [0.065 J]	85 J
Anthracene	50	- -	NA	<10	<50 [<100 J]	<11	0.17 J	<0.19	0.068 J [0.064 J]	NA	NA	NA	0.060 J [0.063 J]	0.11 J [0.25 J]	0.056 J [<0.080]	0.047 J [<0.080]	<200 J
Benzo(a)anthracene	0.002	- -	NA	<1.0	<5.0 [<10 J]	<11	<0.20	<0.19	<0.040 [<0.038]	NA	NA	NA	<0.048 [<0.049]	<0.040 J [<0.040 J]	<0.040 [<0.040]	<0.040 [<0.040]	<20 J
Benzo(a)pyrene	0	0.2	NA	<1.0	<5.0 [<10 J]	<11	<0.20	<0.19	<0.040 [<0.038]	NA	NA	NA	<0.048 [<0.049]	<0.040 [<0.040]	<0.040 [<0.040]	<0.040 [<0.040]	<20 J
Benzo(b)fluoranthene	0.002	- -	NA	<1.0	<5.0 [<10 J]	<11	<0.20	<0.19	<0.040 [<0.038]	NA	NA	NA	<0.048 [<0.049]	<0.040 [<0.040]	<0.040 [<0.040]	<0.041 B [<0.040]	<20 J
Benzo(ghi)perylene	- -	- -	NA	<10	<50 J [<100 J]	<11	<0.20	<0.19	<0.080 [<0.077]	NA	NA	NA	<0.096 [<0.097]	<0.080 J [<0.080 J]	<0.080 [<0.080]	<0.080 [<0.080]	<200 J
Benzo(k)fluoranthene	0.002	- -	NA	<1.0	<5.0 [<10 J]	<11	<0.20	<0.19	<0.080 [<0.077]	NA	NA	NA	<0.096 [<0.097]	<0.080 [<0.080]	<0.080 [<0.080]	<0.080 [<0.080]	<20 J
Chrysene	0.002	- -	NA	<10	<50 [<100 J]	<11	<0.20	<0.19	<0.080 [<0.077]	NA	NA	NA	<0.096 [<0.097]	<0.080 J [<0.080 J]	<0.080 [<0.080]	<0.080 [<0.080]	<200 J
Dibenzo(a,h)anthracene	- -	- -	NA	<1.0	<5.0 [<10 J]	<11	<0.20	<0.19	<0.080 [<0.077]	NA	NA	NA	<0.096 [<0.097]	<0.080 J [<0.080 J]	<0.080 [<0.080]	<0.080 [<0.080]	<20 J
Fluoranthene	50	- -	NA	<10	<50 [<100 J]	<11	<0.20	<0.19	<0.080 [<0.077]	NA	NA	NA	<0.096 [<0.097]	<0.080 J [<0.080 J]	<0.080 [<0.080]	0.054 J [<0.080]	<200 J
Fluorene	50	- -	NA	<10	<50 [<100 J]	7.4 J	8.0	3.2	3.8 [3.8]	NA	NA	NA	3.7 [4.0]	1.6 J [7.6 DJ]	1.8 J [1.4]	1.4 J [0.98 J]	**66 J**
Indeno(1,2,3-cd)pyrene	0.002	- -	NA	<1.0	<5.0 [<10 J]	<11	<0.20	<0.19	<0.080 [<0.077]	NA	NA	NA	<0.096 [<0.097]	<0.080 J [<0.080 J]	<0.080 [<0.080]	<0.080 [<0.080]	<20 J
Naphthalene	10	- -	<9.5	**130**	**750 [950 J]**	**1,300 D**	**1,600 D**	**180 E**	**790 D [920 D]**	NA	NA	NA	**500 D [530 D]**	**82 DJ [710 DJ]**	**130 DJ [65 DJ]**	**72 DJ [100 DJ]**	**3,500 J**
Phenanthrene	50	- -	NA	<10	<50 [<100 J]	<11	1.8	0.49	0.78 [0.73]	NA	NA	NA	0.41 [0.48]	0.27 J [2.2 J]	0.50 J [0.23 J]	0.067 J [0.047 J]	<200 J
Pyrene	50	- -	<9.5	<10	<50 [<100 J]	<11	<0.20	<0.19	<0.080 [<0.077]	NA	NA	NA	<0.096 [<0.097]	<0.080 J [<0.080 J]	<0.080 [<0.080]	0.046 J [<0.080]	<200 J
Total PAHs	- -	- -	ND	130 J	770 J [950 J]	1,500 J	1,900 J	270	920 J [1,100 J]	NA	NA	NA	610 J [650 J]	110 J [850 J]	170 J [99 J]	84 J [110 J]	4,600 J
Detected PAHs by USEPA Method 8310																	
2-Methylnaphthalene	- -	- -	<0.95 [<0.95]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	20	- -	<0.95 [<0.95]	<0.94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthylene	- -	- -	<0.95 [<0.95]	<0.94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	50	- -	<0.19 [<0.19]	<0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(ghi)perylene	- -	- -	<0.19 [<0.19]	<0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	0.002	- -	<0.19 [<0.19]	<0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	50	- -	<0.19 [<0.19]	<0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	50	- -	<0.19 [<0.19]	<0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	10	- -	<0.95 [<0.95]	**130**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	50	- -	<0.19 J [<0.19]	0.077 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	50	- -	<0.19 [<0.19]	<0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PAHs	- -	- -	ND [ND]	130 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Inorganics																	
Iron (Total)	300	- -	NA	NA	**5,510 [5,530]**	**4,520**	**4,300**	**4,180**	**3,920 [3,930]**	NA	NA	NA	**3,930 [3,870]**	**3,520 [3,780]**	**2,580 [2,690]**	**3,000 [2,270]**	**3,950**
Iron (Filtered)	300	- -	NA	NA	**2,020 [2,240]**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**568**
Manganese (Total)	300	- -	NA	NA	216 [218]	187	186	190	168 [170]	NA	NA	NA	171 [173]	166 [173]	164 [171]	152 [118]	212
Manganese (Filtered)	300	- -	NA	NA	204 [207]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	214
Detected Miscellaneous																	
Alkalinity	- -	- -	NA	NA	823,000 [827,000]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	706,000
Alkalinity-CaCO3	- -	- -	NA	NA	NA	NA	NA	NA	635,000 [708,000]	NA	NA	NA	629,000 [639,000]	659,000 [654,000]	718,000 [718,000]	696,000 [721,000]	NA
Ammonia	- -	- -	NA	NA	3,400 [3,300]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3,800
Carbon dioxide	- -	- -	NA	NA	430,000 [430,000]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	270,000
Methane	- -	- -	NA	NA	9,800 [9,000]	NA	NA	NA	6,460 [5,370]	NA	NA	NA	4,200 [3,820]	5,050 [4,590]	4,840 [5,520]	3,150 [3,680]	8,800
Nitrate as N	- -	10,000	NA	NA	100 [<100]	NA	NA	NA	<110 [<110]	NA	NA	NA	<110 [<110]	<110 [<110]	<110 [<110]	<110 [<110]	120
Nitrite as N	- -	1,000	NA	NA	<100 [<100]	NA	NA	NA	<10.0 [<10.0]	NA	NA	NA	<10.0 [<10.0]	<10.0 [<10.0]	<10.0 [<10.0]	<10.0 [<10.0]	<100
Nitrogen, Nitrate + Nitrite	- -	- -	NA	NA	NA	NA	NA	NA	<100 [<100]	NA	NA	NA	<100 [<100]	<100 [<100]	<100 J [<100]	<100 [<100]	NA
Nitrogen, Total Kjeldahl	- -	- -	NA	NA	3,900 [3,700]	NA	NA	NA	2,300 [2,300]	NA	NA	NA	2,400 J [2,300 J]	3,100 J [3,200 J]	3,400 [3,300]	4,400 [4,700]	5,400
Orthophosphate as P	- -	- -	NA	NA	99.0 [100]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	350
Oxygen	- -	- -	NA	NA	2,600 [2,600]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3,100
Sulfate	250,000	- -	NA	NA	<5,000 [<5,000]	1,100 J	<2,000	600 J	<2,000 [<2,000]	NA	<2,000 [<2,000]	2,600 [2,600]	47,300 [48,000]	59,000 [58,000]	16,100 [15,700]	17,600 [15,400]	<5,000
Total Organic Carbon	- -	- -	NA	NA	NA	NA	NA	NA	2,600 [2,800]	NA	NA	NA	3,100 [2,600]	2,400 [2,600]	2,200 J [2,000]	2,600 [2,400]	NA
TPH DRO	- -	- -	NA	NA	NA	NA	NA	NA	3,000 [2,800]	NA	NA	NA	NA	1,300 [1,400]	540 J [420 J]	990 J [1,400 J]	NA
TPH GRO	- -	- -	NA	NA	NA	NA	NA	NA	1,000 [1,000]	NA	NA	NA	630 [760]	NA	490 [450]	740 [560]	NA
SGC TPH DRO	- -	- -	NA	NA	NA	NA	NA	NA	NA	1,500 J [1,720 J]	NA	NA	1,450 [1,380]	802 J [1,240 J]	417 [449]	951 J [1,400 J]	NA

Table 5
Groundwater Analytical Results (ppb)

Niagara Mohawk Power Corporation
Superfund Site - Operable Unit 2 Project Area
Saratoga Springs, New York

Location ID:	NYSDEC Groundwater Standards and Guidance Values (Bold Font)	Federal MCLs (Shaded)	MW-EPA-09															
Date Collected:			07/28/06	03/27/08	05/20/09	07/15/15	07/07/20	07/08/20	08/05/20	10/05/20	06/14/21	06/25/21	09/22/21	01/25/22	10/12/22	09/19/23	10/03/24	10/10/25
Detected BTEX																		
Benzene	1	5	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	<1.0	<5.0	NA	NA	NA	<0.50	<0.50	<0.50	<0.50
Ethylbenzene	5	700	<1.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	NA	NA	NA	<1.0	<1.0	<1.0	<1.0
Toluene	5	1,000	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	NA	NA	NA	<1.0	<1.0	<1.0	<1.0
Xylenes (total)	5	10,000	<3.0	<5.0	<3.0	<1.0	ND	ND	ND	ND	<10	NA	NA	NA	<1.0	<1.0	<1.0	<1.0
Total BTEX	- -	- -	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND
Detected PAHs by USEPA Method 8270C																		
2-Methylnaphthalene	- -	- -	NA	<10 J	<10	<2.1	NA	<0.21	<0.19	<0.19	<0.074	NA	NA	NA	<0.096	<0.080	<0.080	NA
Acenaphthene	20	- -	NA	<10 J	<10	<2.1	NA	0.20 J	<0.19	0.20	0.30	NA	NA	NA	0.11	1.1	0.90	0.40
Acenaphthylene	- -	- -	NA	<10 J	<10	<2.1	NA	<0.21	<0.19	<0.19	<0.074	NA	NA	NA	<0.096	<0.080	<0.080	<0.080
Anthracene	50	- -	NA	<10 J	<10	<2.1	NA	<0.21	<0.19	<0.19	<0.074	NA	NA	NA	<0.096	<0.080	<0.080	0.053 J
Benzo(a)anthracene	0.002	- -	NA	<1.0 J	<1.0	<2.1	NA	<0.21	<0.19	<0.19	<0.037	NA	NA	NA	<0.048	<0.040	<0.040 J	**0.030 J**
Benzo(a)pyrene	0	0.2	NA	<1.0 J	<1.0	<2.1	NA	<0.21	<0.19	<0.19	<0.037	NA	NA	NA	<0.048	<0.040	<0.040	**0.024 J**
Benzo(b)fluoranthene	0.002	- -	NA	<1.0 J	<1.0	<2.1	NA	<0.21	<0.19	<0.19	<0.037	NA	NA	NA	<0.048	<0.040	<0.040 J	**0.034 J**
Benzo(ghi)perylene	- -	- -	NA	<10 J	<10	<2.1	NA	<0.21	<0.19	<0.19	<0.074	NA	NA	NA	<0.096	<0.080 J	<0.080	<0.080
Benzo(k)fluoranthene	0.002	- -	NA	<1.0 J	<1.0	<2.1	NA	<0.21	<0.19	<0.19	<0.074	NA	NA	NA	<0.096	<0.080	<0.080	<0.080
Chrysene	0.002	- -	NA	<10 J	<10	<2.1	NA	<0.21	<0.19	<0.19	<0.074	NA	NA	NA	<0.096	<0.080	<0.080	<0.080
Dibenzo(a,h)anthracene	- -	- -	NA	<1.0 J	<1.0	<2.1	NA	<0.21	<0.19	<0.19	<0.074	NA	NA	NA	<0.096	<0.080 J	<0.080	<0.080
Fluoranthene	50	- -	NA	<10 J	<10	<2.1	NA	<0.21	<0.19	<0.19	<0.074	NA	NA	NA	<0.096	<0.080	<0.080	0.10
Fluorene	50	- -	NA	<10 J	<10	<2.1	NA	<0.21	<0.19	<0.19	<0.074	NA	NA	NA	<0.096	<0.080	<0.080	<0.080
Indeno(1,2,3-cd)pyrene	0.002	- -	NA	<1.0 J	<1.0	<2.1	NA	<0.21	<0.19	<0.19	<0.074	NA	NA	NA	<0.096	<0.080 J	<0.080	<0.080
Naphthalene	10	- -	NA	<10 J	<10	<2.1	NA	<0.21	<0.19	<0.19	0.044 J	NA	NA	NA	<0.096	<0.080	<0.080	<0.080 J
Phenanthrene	50	- -	NA	<10 J	<10	<2.1	NA	<0.21	<0.19	<0.19	<0.074	NA	NA	NA	<0.048	<0.080	<0.080	0.093
Pyrene	50	- -	NA	<10 J	<10	<2.1	NA	<0.21	<0.19	<0.19	0.051 J	NA	NA	NA	<0.096	0.085	0.050 J	0.098
Total PAHs	- -	- -	NA	ND	ND	ND	NA	0.20 J	ND	0.20	0.39 J	NA	NA	NA	0.11	1.1	0.95 J	0.83 J
Detected PAHs by USEPA Method 8310																		
2-Methylnaphthalene	- -	- -	<0.95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	20	- -	<0.95	<0.97	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthylene	- -	- -	<0.95	<0.97	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	50	- -	<0.19	<0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(ghi)perylene	- -	- -	<0.19	<0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	0.002	- -	<0.19	<0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	50	- -	<0.19	<0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	50	- -	<0.19	<0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	10	- -	0.15 J	<0.97	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	50	- -	<0.19	0.083 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	50	- -	<0.19	<0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PAHs	- -	- -	0.15 J	0.083 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Inorganics																		
Iron (Total)	300	- -	NA	NA	196	NA	**1,420**	NA	**446**	**533**	**458**	NA	NA	NA	**1,010**	**1,070**	**546**	**1,260**
Iron (Filtered)	300	- -	NA	NA	<150	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese (Total)	300	- -	NA	NA	**313 J**	NA	**441**	NA	273	**315**	256	NA	NA	NA	**437**	**400**	**353**	**325**
Manganese (Filtered)	300	- -	NA	NA	298 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Miscellaneous																		
Alkalinity	- -	- -	NA	NA	462,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity-CaCO3	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	412,000	NA	NA	NA	427,000	436,000	453,000	458,000
Ammonia	- -	- -	NA	NA	720	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	- -	- -	NA	NA	110,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	- -	- -	NA	NA	420	NA	NA	NA	NA	NA	278	NA	NA	NA	242	378	298	52.8
Nitrate as N	- -	10,000	NA	NA	<100 J	NA	NA	NA	NA	NA	<110	NA	NA	NA	<110	<110	<110	<110
Nitrite as N	- -	1,000	NA	NA	<100 J	NA	NA	NA	NA	NA	<10.0	NA	NA	NA	<10.0	<10.0	<10.0	R
Nitrogen, Nitrate + Nitrite	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	<100	NA	NA	NA	<100	<100	<100	<100
Nitrogen, Total Kjeldahl	- -	- -	NA	NA	750	NA	NA	NA	NA	NA	770	NA	NA	NA	880	1,100 J	1,400	1,900
Orthophosphate as P	- -	- -	NA	NA	42.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oxygen	- -	- -	NA	NA	4,700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250,000	- -	NA	NA	143,000	NA	55,800	NA	95,300	76,000	165,000	NA	84,200	145,000	74,000	73,300	97,900	114,000
Total Organic Carbon	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	2,500	NA	NA	NA	3,000	2,400	1,800	2,200
TPH DRO	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	79 J	NA	NA	NA	<80	<82	<85
TPH GRO	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	1,900	NA	NA	NA	<200	NA	<200	<200
SGC TPH DRO	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	<83 J	NA	NA	<83	<81	<81 J	<84

Table 5
Groundwater Analytical Results (ppb)

Niagara Mohawk Power Corporation
Superfund Site - Operable Unit 2 Project Area
Saratoga Springs, New York

Location ID:	NYSDEC Groundwater Standards and Guidance Values (Bold Font)	Federal MCLs (Shaded)	MW-EPA-10																				MW-SS-05-01	MW-SS-08-05									
Date Collected:			07/26/06	03/27/08	05/20/09	07/16/15	07/09/20	08/06/20	08/11/20	10/05/20	10/06/20	06/15/21	06/25/21	09/22/21	01/26/22	10/11/22	10/12/22	09/20/23	10/02/24	10/03/24	10/10/25	10/14/25	07/28/06	05/22/09	07/16/15	07/07/20	08/06/20	10/05/20	06/15/21	10/12/22	09/22/23	10/02/24	10/09/25
Detected BTEX																																	
Benzene	1	5	<1.0	<1.0	<1.0	<0.50	<1.0	<1.0	NA	<1.0	NA	<0.50	NA	NA	NA	<0.50	NA	<0.50	<0.50	NA	<0.50	NA	**5,800**	<1.0	<0.50	<1.0	<1.0	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50
Ethylbenzene	5	700	<1.0	<4.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	NA	<1.0	NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	NA	**810**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	5	1,000	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	NA	<1.0	NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	NA	**400**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.85 J	<1.0	<1.0	<1.0
Xylenes (total)	5	10,000	<3.0	<5.0	<3.0	<1.0	ND	ND	NA	ND	NA	<1.0	NA	NA	NA	<1.0	NA	<1.0	<1.0	NA	<1.0	NA	**690 J**	<3.0	<1.0	ND	ND	ND	<1.0	<1.0	<1.0	<1.0	<1.0
Total BTEX	- -	- -	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND	NA	NA	NA	ND	NA	ND	ND	NA	ND	NA	7,700 J	ND	ND	ND	ND	ND	ND	0.85 J	ND	ND	ND
Detected PAHs by USEPA Method 8270C																																	
2-Methylnaphthalene	- -	- -	NA	<10 J	<10	<2.2	<10	NA	<0.20	NA	<0.23	NA	0.050 J	NA	NA	NA	NA	0.059 J	0.22 J	NA	NA	NA	NA	<10	<2.0	<9.1	<0.20	<0.19	<0.075	<0.097	<0.074	0.36 J	NA
Acenaphthene	20	- -	NA	<10 J	<10	<2.2	<10	NA	<0.20	NA	<0.23	NA	<0.083	NA	NA	NA	NA	0.042 J	<0.080	NA	<0.080	NA	NA	<10	<2.0	<9.1	<0.20	<0.19	<0.075	<0.097	<0.074	<0.080	<0.080
Acenaphthylene	- -	- -	NA	<10 J	<10	<2.2	<10	NA	<0.20	NA	<0.23	NA	0.056 J	NA	NA	NA	NA	<0.067	<0.080	NA	<0.080	NA	NA	<10	<2.0	<9.1	<0.20	<0.19	<0.075	<0.097	<0.074	<0.080	<0.080
Anthracene	50	- -	NA	<10 J	<10	<2.2	<10	NA	<0.20	NA	<0.23	NA	0.098	NA	NA	NA	NA	0.091	<0.080	NA	<0.080	NA	NA	<10	<2.0	<9.1	<0.20	<0.19	<0.075	<0.097	<0.074	<0.080	<0.080
Benzo(a)anthracene	0.002	- -	NA	<1.0 J	<1.0	<2.2	<10	NA	<0.20	NA	**0.24**	NA	**0.69**	NA	NA	NA	NA	**0.10**	<0.040	NA	<0.040	NA	NA	<1.0	<2.0	<9.1	<0.20	<0.19	**0.051**	<0.049	**0.026 J**	<0.040	**1.0**
Benzo(a)pyrene	0	0.2	NA	<1.0 J	<1.0	<2.2	<10	NA	<0.20	NA	**0.33**	NA	**0.77**	NA	NA	NA	NA	**0.098**	<0.040	NA	<0.040	NA	NA	<1.0	<2.0	<9.1	<0.20	<0.19	**0.047**	<0.049	**0.023 J**	<0.040	**1.1**
Benzo(b)fluoranthene	0.002	- -	NA	<1.0 J	<1.0	<2.2	<10	NA	<0.20	NA	**0.44**	NA	**1.4**	NA	NA	NA	NA	**0.17**	<0.040	NA	<0.040 B	NA	NA	<1.0	<2.0	<9.1	<0.20	<0.19	**0.081**	<0.049	**0.035 J**	<0.040	**1.3**
Benzo(ghi)perylene	- -	- -	NA	<10 J	<10	<2.2	<10	NA	<0.20	NA	0.29	NA	0.77	NA	NA	NA	NA	0.11 J	<0.080	NA	<0.080	NA	NA	<10 J	<2.0	<9.1	<0.20	<0.19	0.066 J	<0.097	<0.074 J	<0.080	<1.2 B
Benzo(k)fluoranthene	0.002	- -	NA	<1.0 J	<1.0	<2.2	<10	NA	<0.20	NA	**0.15 J**	NA	**0.36**	NA	NA	NA	NA	**0.059 J**	<0.080	NA	<0.080	NA	NA	<1.0	<2.0	<9.1	<0.20	<0.19	<0.075	<0.097	<0.074	<0.080	**1.5**
Chrysene	0.002	- -	NA	<10 J	<10	<2.2	<10	NA	<0.20	NA	**0.33**	NA	**0.81**	NA	NA	NA	NA	**0.14**	<0.080	NA	<0.080	NA	NA	<10	<2.0	<9.1	<0.20	<0.19	**0.067 J**	<0.097	<0.074	<0.080	**1.2**
Dibenzo(a,h)anthracene	- -	- -	NA	<1.0 J	<1.0	<2.2	<10	NA	<0.20	NA	<0.23	NA	0.19	NA	NA	NA	NA	0.062 J	<0.080	NA	<0.080	NA	NA	<1.0	<2.0	<9.1	<0.20	<0.19	<0.075	<0.097	<0.074	<0.080	<1.4 B
Fluoranthene	50	- -	NA	<10 J	<10	<2.2	<10	NA	<0.20	NA	0.48	NA	1.3	NA	NA	NA	NA	0.22	<0.080	NA	<0.080	NA	NA	<10	<2.0	<9.1	<0.20	<0.19	0.092	<0.097	0.042 J	<0.080	0.051 J
Fluorene	50	- -	NA	<10 J	<10	<2.2	<10	NA	<0.20	NA	<0.23	NA	0.047 J	NA	NA	NA	NA	0.057 J	<0.080	NA	<0.080	NA	NA	<10	<2.0	<9.1	<0.20	<0.19	<0.075	<0.097	<0.074	<0.080	<0.080 J
Indeno(1,2,3-cd)pyrene	0.002	- -	NA	<1.0 J	<1.0	<2.2	<10	NA	<0.20	NA	**0.28**	NA	**0.66**	NA	NA	NA	NA	**0.11 J**	<0.080	NA	<0.080	NA	NA	<1.0	<2.0	<9.1	<0.20	<0.19	**0.054 J**	<0.097	<0.074 J	<0.080	<1.3 B
Naphthalene	10	- -	NA	<10 J	<10	<2.2	<10	NA	<0.20	NA	<0.23	NA	0.050 J	NA	NA	NA	NA	0.050 J	<0.080	NA	<0.080	NA	NA	<10	<2.0	<9.1	0.23	0.13 BJ	0.043 J	<0.097	<0.074	<0.080	<0.10 BJ
Phenanthrene	50	- -	NA	<10 J	<10	<2.2	<10	NA	<0.20	NA	0.16 J	NA	0.39	NA	NA	NA	NA	0.23	0.046 J	NA	<0.080	NA	NA	<10	<2.0	<9.1	<0.20	<0.19	0.12	<0.049	<0.074	0.13	<0.080
Pyrene	50	- -	NA	<10 J	<10	<2.2	<10	NA	<0.20	NA	0.37	NA	0.96	NA	NA	NA	NA	0.21	<0.080	NA	<0.080	NA	NA	<10	<2.0	<9.1	<0.20	<0.19	0.080	<0.097	0.039 J	<0.080	0.060 J
Total PAHs	- -	- -	NA	ND	ND	ND	ND	NA	ND	NA	3.1 J	NA	8.6 J	NA	NA	NA	NA	1.8 J	0.26 J	NA	ND	NA	NA	ND	ND	ND	0.23	0.13 J	0.70 J	ND	0.17 J	0.50 J	6.2 J
Detected PAHs by USEPA Method 8310																																	
2-Methylnaphthalene	- -	- -	<0.95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	310	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	20	- -	<0.95	<0.94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthylene	- -	- -	<0.95	<0.94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	470	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	50	- -	<0.19	<0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.2 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(ghi)perylene	- -	- -	0.030 J	<0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	0.002	- -	**0.030 J**	<0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	50	- -	<0.19	<0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	50	- -	<0.19	<0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	10	- -	0.12 J	<0.94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**2,500**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	50	- -	<0.21	0.13 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	50	- -	<0.19	<0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PAHs	- -	- -	0.18 J	0.13 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3,300 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Inorganics																																	
Iron (Total)	300	- -	NA	NA	**8,750**	NA	NA	**54,900**	NA	NA	NA	NA	NA	NA	NA	NA	**15,000**	**43,700**	NA	**27,800**	NA	**45,600**	NA	**380**	NA	**8,160**	**11,900**	253	NA	NA	NA	NA	NA
Iron (Filtered)	300	- -	NA	NA	<150	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<150	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese (Total)	300	- -	NA	NA	258 J	NA	NA	**1,640**	NA	NA	NA	NA	NA	NA	NA	NA	**563**	**1,810**	NA	**587**	NA	**2,220**	NA	**375**	NA	126	246	46.4	NA	NA	NA	NA	NA
Manganese (Filtered)	300	- -	NA	NA	237 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	205	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Miscellaneous																																	
Alkalinity	- -	- -	NA	NA	665,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	617,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity-CaCO3	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	305,000	NA	623,000	NA	597,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ammonia	- -	- -	NA	NA	3,400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	790	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	- -	- -	NA	NA	180,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	160,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	- -	- -	NA	NA	3,400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2,530	NA	3,410	NA	390	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate as N	- -	10,000	NA	NA	<100 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<110	NA	<110	NA	<110	NA	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrite as N	- -	1,000	NA	NA	<100 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.0	NA	<10.0	NA	<10.0	NA	<100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate + Nitrite	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<100	NA	<100	NA	<100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Total Kjeldahl	- -	- -	NA	NA	5,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	890	NA	NA	NA	NA	NA	NA	NA	NA	NA
Orthophosphate as P	- -	- -	NA	NA	230	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<30.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oxygen	- -	- -	NA	NA	6,200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5,100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250,000	- -	NA	NA	<5,000	NA	NA	<2,000	NA	<2,000	NA	NA	NA	<2,000	<2,000	NA	NA	<2,000	NA	<2,000	NA	<2,000	NA	62,200	NA	5,600	29,800	56,400	NA	NA	NA	NA	NA
Total Organic Carbon	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8,200	NA	6,300	NA	15,700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH DRO	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH GRO	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<200	NA	<200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SGC TPH DRO	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 5
Groundwater Analytical Results (ppb)

Niagara Mohawk Power Corporation
Superfund Site - Operable Unit 2 Project Area
Saratoga Springs, New York

Location ID:	NYSDEC Groundwater Standards and Guidance Values (Bold Font)	Federal MCLs (Shaded)	MW-SS-08-08															
Date Collected:			03/26/08	05/21/09	05/22/09	07/15/15	07/08/20	08/06/20	10/06/20	06/15/21	06/25/21	09/22/21	01/25/22	10/11/22	09/19/23	10/02/24	10/09/25
Detected BTEX																		
Benzene	1	5	<1.0 [<1.0]	0.32 J	NA	0.30 J [0.33 J]	<1.0 [<1.0]	<1.0 [<1.0]	<1.0 [<1.0]	**1.3**	NA	NA	NA	0.72	0.55 J	<0.50	<0.50
Ethylbenzene	5	700	<4.0 [<4.0]	<1.0	NA	0.26 J [0.29 J]	<1.0 [<1.0]	<1.0 [0.31 J]	<1.0 [<1.0]	**29**	NA	NA	NA	**35 J**	**25**	**16**	**8.5**
Toluene	5	1,000	<5.0 [<5.0]	<1.0	NA	<1.0 [<1.0]	<1.0 [<1.0]	<1.0 [<1.0]	<1.0 [<1.0]	1.3	NA	NA	NA	1.2	0.68 J	<1.0	<1.0
Xylenes (total)	5	10,000	<5.0 [<5.0]	<3.0	NA	<1.0 [<1.0]	ND [ND]	ND [ND]	ND [ND]	**24**	NA	NA	NA	**19 J**	**8.9**	**5.8**	3.0
Total BTEX	- -	- -	ND [ND]	0.32 J	NA	0.56 J [0.62 J]	ND [ND]	ND [0.31 J]	ND [ND]	55	NA	NA	NA	56 J	36 J	21	12
Detected PAHs by USEPA Method 8270C																		
2-Methylnaphthalene	- -	- -	<10 [<10]	<10	NA	0.26 J [0.51 J]	<0.19 [<0.21]	<0.19 [<0.20]	<0.19 [<0.19]	0.72	NA	NA	NA	0.35 J	0.67	0.14 J	NA
Acenaphthene	20	- -	<10 [<10]	<10	NA	<2.0 [<2.0]	<0.19 [<0.21]	<0.19 [<0.20]	<0.19 [<0.19]	0.069 J	NA	NA	NA	0.067 J	0.22	0.064 J	0.072 J
Acenaphthylene	- -	- -	<10 [<10]	<10	NA	<2.0 [<2.0]	<0.19 [<0.21]	<0.19 [<0.20]	<0.19 [<0.19]	<0.075	NA	NA	NA	<0.10	<0.080	<0.080	<0.080
Anthracene	50	- -	<10 [<10]	<10	NA	<2.0 [<2.0]	<0.19 [<0.21]	<0.19 [<0.20]	<0.19 [<0.19]	<0.075	NA	NA	NA	<0.10 J	<0.080	<0.080	<0.080
Benzo(a)anthracene	0.002	- -	<1.0 [<1.0]	<1.0	NA	<2.0 [<2.0]	<0.19 [<0.21]	<0.19 [<0.20]	<0.19 [<0.19]	<0.038	NA	NA	NA	<0.050	<0.040	<0.040	**0.026 J**
Benzo(a)pyrene	0	0.2	<1.0 [<1.0]	<1.0	NA	<2.0 [<2.0]	<0.19 [<0.21]	<0.19 [<0.20]	<0.19 [<0.19]	<0.038	NA	NA	NA	<0.050	<0.040	<0.040	<0.40 B
Benzo(b)fluoranthene	0.002	- -	<1.0 [<1.0]	<1.0	NA	<2.0 [<2.0]	<0.19 [<0.21]	<0.19 [<0.20]	<0.19 [<0.19]	<0.038	NA	NA	NA	<0.050	<0.040	<0.040	<0.060 B
Benzo(ghi)perylene	- -	- -	<10 [<10]	<10	NA	<2.0 [<2.0]	<0.19 [<0.21]	<0.19 [<0.20]	<0.19 [<0.19]	<0.075	NA	NA	NA	<0.10	<0.080	<0.080	<0.20 B
Benzo(k)fluoranthene	0.002	- -	<1.0 [<1.0]	<1.0	NA	<2.0 [<2.0]	<0.19 [<0.21]	<0.19 [<0.20]	<0.19 [<0.19]	<0.075	NA	NA	NA	<0.10	<0.080	<0.080	<0.080 B
Chrysene	0.002	- -	<10 [<10]	<10	NA	<2.0 [<2.0]	<0.19 [<0.21]	<0.19 [<0.20]	<0.19 [<0.19]	<0.075	NA	NA	NA	<0.10	<0.080	<0.080	<0.080
Dibenzo(a,h)anthracene	- -	- -	<1.0 [<1.0]	<1.0	NA	<2.0 [<2.0]	<0.19 [<0.21]	<0.19 [<0.20]	<0.19 [<0.19]	<0.075	NA	NA	NA	<0.10	<0.080	<0.080	<0.30 B
Fluoranthene	50	- -	<10 [<10]	<10	NA	<2.0 [<2.0]	<0.19 [<0.21]	<0.19 [<0.20]	<0.19 [<0.19]	<0.075	NA	NA	NA	<0.10	<0.080	<0.080	<0.080
Fluorene	50	- -	<10 [<10]	<10	NA	<2.0 [<2.0]	<0.19 [<0.21]	<0.19 [<0.20]	<0.19 [<0.19]	<0.075	NA	NA	NA	<0.10	<0.080	<0.080	<0.080 J
Indeno(1,2,3-cd)pyrene	0.002	- -	<1.0 [<1.0]	<1.0	NA	<2.0 [<2.0]	<0.19 [<0.21]	<0.19 [<0.20]	<0.19 [<0.19]	<0.075	NA	NA	NA	<0.10	<0.080	<0.080	<0.22 B
Naphthalene	10	- -	<10 [<10]	<10	NA	**7.3 J [15 J]**	<0.19 [<0.21]	0.33 [0.60]	<0.19 [<0.19]	**34 D**	NA	NA	NA	**16 D**	**31 D**	5.6 D	<3.9 BJ
Phenanthrene	50	- -	<10 [<10]	<10	NA	<2.0 [<2.0]	<0.19 [<0.21]	<0.19 [<0.20]	<0.19 [<0.19]	<0.075	NA	NA	NA	<0.050	<0.080	0.092	<0.080
Pyrene	50	- -	<10 [<10]	<10	NA	<2.0 [<2.0]	<0.19 [<0.21]	<0.19 [<0.20]	<0.19 [<0.19]	<0.075	NA	NA	NA	<0.10	<0.080	<0.080	<0.080
Total PAHs	- -	- -	ND [ND]	ND	NA	7.6 J [16 J]	ND [ND]	0.33 [0.60]	ND [ND]	34 J	NA	NA	NA	17 J	32	5.9 J	0.098 J
Detected PAHs by USEPA Method 8310																		
2-Methylnaphthalene	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	20	- -	<0.94 [<0.96]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthylene	- -	- -	<0.94 [<0.96]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	50	- -	<0.19 [<0.19]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(ghi)perylene	- -	- -	<0.19 [<0.19]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	0.002	- -	<0.19 [<0.19]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	50	- -	<0.19 [<0.19]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	50	- -	<0.19 [<0.19]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	10	- -	<0.94 [0.20 J]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	50	- -	0.10 J [0.13 J]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	50	- -	0.046 J [<0.19]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PAHs	- -	- -	0.15 J [0.33 J]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Inorganics																		
Iron (Total)	300	- -	NA	**12,700**	NA	NA	**13,200 [15,600]**	**6,300 [6,260]**	**7,300 [7,150]**	**6,940**	NA	NA	NA	**8,150**	**6,900**	**3,770**	**3,670**
Iron (Filtered)	300	- -	NA	**4,020**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese (Total)	300	- -	NA	**560**	NA	NA	**584 [619]**	**507 [504]**	**497 [492]**	**459**	NA	NA	NA	**647**	**573**	**437**	**541**
Manganese (Filtered)	300	- -	NA	**522**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Miscellaneous																		
Alkalinity	- -	- -	NA	623,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity-CaCO3	- -	- -	NA	NA	NA	NA	NA	NA	NA	568,000	NA	NA	NA	438,000	454,000	511,000	519,000
Ammonia	- -	- -	NA	3,500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	- -	- -	NA	260,000	180,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	- -	- -	NA	7,500	3,800	NA	NA	NA	NA	2,750	NA	NA	NA	1,890	1,830	1,390	1,260
Nitrate as N	- -	10,000	NA	<100	NA	NA	NA	NA	NA	<110	NA	NA	NA	<110	<110	<110	<110
Nitrite as N	- -	1,000	NA	<100	NA	NA	NA	NA	NA	<10.0	NA	NA	NA	<10.0	<10.0	<10.0	<10.0
Nitrogen, Nitrate + Nitrite	- -	- -	NA	NA	NA	NA	NA	NA	NA	<100	NA	NA	NA	<100	<100	<100	<100
Nitrogen, Total Kjeldahl	- -	- -	NA	4,700	NA	NA	NA	NA	NA	2,200	NA	NA	NA	2,100 J	2,800 J	3,900	3,500
Orthophosphate as P	- -	- -	NA	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oxygen	- -	- -	NA	2,400	4,300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250,000	- -	NA	<5,000	NA	NA	**311,000 [311,000]**	**257,000 [262,000]**	160,000 [159,000]	27,100 J	NA	59,700	**280,000**	199,000	**273,000**	**277,000**	128,000
Total Organic Carbon	- -	- -	NA	NA	NA	NA	NA	NA	NA	4,100	NA	NA	NA	7,600	4,900	4,200	4,200
TPH DRO	- -	- -	NA	NA	NA	NA	NA	NA	NA	<220 B	NA	NA	NA	NA	81	<82 J	52 J
TPH GRO	- -	- -	NA	NA	NA	NA	NA	NA	NA	140 J	NA	NA	NA	<200	NA	<200	<200
SGC TPH DRO	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	<83 J	NA	NA	157	120	<81 J	72 J

Table 5
Groundwater Analytical Results (ppb)

Niagara Mohawk Power Corporation
Superfund Site - Operable Unit 2 Project Area
Saratoga Springs, New York

Location ID:	NYSDEC Groundwater Standards and Guidance Values (Bold Font)	Federal MCLs (Shaded)	MW-SS-09-06										MW-SS-09-07											MW-ORS-01									
Date Collected:			11/19/09	07/15/15	07/09/20	08/05/20	10/05/20	06/15/21	10/12/22	09/20/23	10/03/24	10/10/25	11/19/09	07/16/15	07/07/20	07/08/20	08/06/20	10/05/20	06/15/21	10/11/22	09/20/23	10/02/24	10/10/25	07/08/20	08/06/20	10/06/20	06/15/21	06/25/21	01/25/22	10/11/22	09/20/23	10/03/24	10/10/25
Detected BTEX																																	
Benzene	1	5	<1.0	<0.50	<1.0	<1.0	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0 [<1.0]	<0.50	<1.0	NA	<1.0	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<0.50	NA	NA	<0.50	<0.50	<0.50	<0.50
Ethylbenzene	5	700	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	<1.0	<1.0	<1.0
Toluene	5	1,000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 [<1.0]	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.0	<1.0	<1.0	<1.0
Xylenes (total)	5	10,000	<3.0	<1.0	ND	ND	ND	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0 [<3.0]	<1.0	ND	NA	ND	ND	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	ND	<1.0	NA	NA	<1.0	<1.0	<1.0	<1.0
Total BTEX	- -		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND [ND]	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
Detected PAHs by USEPA Method 8270C																																	
2-Methylnaphthalene	- -	- -	<10	<2.0	<0.22	<0.19	<0.19	<0.077	<0.098	<0.080	<0.080	NA	<10 [<10]	<2.0	NA	<0.22	<0.19	<0.20	<0.077	<0.095	0.072 J	0.56 J	NA	0.059 J	<0.19	<0.22	<0.077	NA	NA	0.14	<0.080	<0.080	NA
Acenaphthene	20	- -	<10	<2.0	<0.22	0.082 J	<0.19	<0.077	<0.098	<0.080	<0.080	<0.080 J	<10 [<10]	<2.0	NA	<0.22	<0.19	0.11 J	<0.077	<0.095	<0.080	0.049 J	<0.080	<0.22	<0.19	<0.22	<0.077	NA	NA	0.054 J	<0.080	<0.080	<0.080
Acenaphthylene	- -	- -	<10	<2.0	<0.22	<0.19	<0.19	<0.077	<0.098	<0.080	<0.080	<0.080	<10 [<10]	<2.0	NA	<0.22	<0.19	0.26	<0.077	<0.095	<0.080	<0.080	<0.080	<0.22	<0.19	<0.22	<0.077	NA	NA	<0.097	<0.080	<0.080	<0.080
Anthracene	50	- -	<10	<2.0	<0.22	<0.19	<0.19	<0.077	<0.098	<0.080	<0.080	<0.080	<10 [<10]	<2.0	NA	<0.22	<0.19	<0.20	<0.077	<0.095	<0.080	0.046 J	<0.080	<0.22	<0.19	<0.22	<0.077	NA	NA	<0.097	<0.080	<0.080	<0.080
Benzo(a)anthracene	0.002	- -	<1.0	<2.0	<0.22	<0.19	<0.19	<0.038	<0.049	<0.040	<0.040 J	**0.064**	<1.0 [<1.0]	<2.0	NA	<0.22	<0.19	<0.20	<0.038	<0.048	<0.040	<0.040	<0.040 J	<0.22	<0.19	<0.22	<0.038	NA	NA	<0.049	<0.040 J	<0.040 J	<0.040
Benzo(a)pyrene	0	0.2	<1.0	<2.0	<0.22	<0.19	<0.19	<0.038	<0.049	<0.040	<0.040	<0.057 B	<1.0 [<1.0]	<2.0	NA	<0.22	<0.19	<0.20	<0.038	<0.048	<0.040	<0.040	<0.040	<0.22	<0.19	<0.22	<0.038	NA	NA	<0.049	<0.040	<0.040	<0.040
Benzo(b)fluoranthene	0.002	- -	<1.0	<2.0	<0.22	<0.19	<0.19	<0.038	<0.049	<0.040	<0.040	<0.087 B	<1.0 [<1.0]	<2.0	NA	<0.22	<0.19	<0.20	<0.038	<0.048	<0.040	<0.040	<0.040	<0.22	<0.19	<0.22	<0.038	NA	NA	<0.049	<0.040	<0.040 J	<0.040
Benzo(ghi)perylene	- -	- -	<10	<2.0	<0.22	<0.19	<0.19	<0.077	<0.098	<0.080	<0.080	0.061 J	<10 [<10]	<2.0	NA	<0.22	<0.19	<0.20	<0.077	<0.095	<0.080	<0.080	<0.080	<0.22	<0.19	<0.22	<0.077	NA	NA	<0.097	<0.080 J	<0.080	<0.080
Benzo(k)fluoranthene	0.002	- -	<1.0	<2.0	<0.22	<0.19	<0.19	<0.077	<0.098	<0.080	<0.080	**0.066 J**	<1.0 [<1.0]	<2.0	NA	<0.22	<0.19	<0.20	<0.077	<0.095	<0.080	<0.080	<0.080	<0.22	<0.19	<0.22	<0.077	NA	NA	<0.097	<0.080	<0.080	<0.080
Chrysene	0.002	- -	<10	<2.0	<0.22	<0.19	<0.19	<0.077	<0.098	<0.080	<0.080	**0.060 J**	<10 [<10]	<2.0	NA	<0.22	<0.19	<0.20	<0.077	<0.095	<0.080	<0.080	<0.080	<0.22	<0.19	<0.22	<0.077	NA	NA	<0.097	<0.080	<0.080	<0.080
Dibenzo(a,h)anthracene	- -	- -	<1.0	<2.0	<0.22	<0.19	<0.19	<0.077	<0.098	<0.080	<0.080 J	0.071 J	<1.0 [<1.0]	<2.0	NA	<0.22	<0.19	<0.20	<0.077	<0.095	<0.080	<0.080	<0.080	<0.22	<0.19	<0.22	<0.077	NA	NA	<0.097	<0.080 J	<0.080	<0.080
Fluoranthene	50	- -	<10	<2.0	<0.22	<0.19	<0.19	<0.077	<0.098	<0.080	<0.080	<0.080	<10 [<10]	<2.0	NA	<0.22	<0.19	<0.20	<0.077	<0.095	<0.080	<0.080	<0.080	<0.22	<0.19	<0.22	<0.077	NA	NA	<0.097	<0.080	<0.080	<0.080
Fluorene	50	- -	<10	<2.0	<0.22	<0.19	<0.19	<0.077	<0.098	<0.080	<0.080	<0.080	<10 [<10]	<2.0	NA	<0.22	<0.19	<0.20	<0.077	<0.095	<0.080	0.083	<0.080	<0.22	<0.19	<0.22	<0.077	NA	NA	<0.097	<0.080	<0.080	<0.080
Indeno(1,2,3-cd)pyrene	0.002	- -	<1.0	<2.0	<0.22	<0.19	<0.19	<0.077	<0.098	<0.080	<0.080	**0.067 J**	<1.0 [<1.0]	<2.0	NA	<0.22	<0.19	<0.20	<0.077	<0.095	<0.080	<0.080	<0.080	<0.22	<0.19	<0.22	<0.077	NA	NA	<0.097	<0.080 J	<0.080	<0.080
Naphthalene	10	- -	<10	<2.0	0.34	<0.19	<0.19	<0.077	<0.098	<0.080	<0.080	<0.080	<10 [<10]	<2.0	NA	<0.22	<0.19	0.088 BJ	<0.077	0.052 J	0.25	0.067 J	0.067 J	0.55	0.13 J	<0.22	0.061 J	NA	NA	0.70	<0.080	<0.080	<0.080 J
Phenanthrene	50	- -	<10	<2.0	<0.22	<0.19	<0.19	<0.077	<0.049	<0.080	<0.080	<0.080	<10 [<10]	<2.0	NA	<0.22	<0.19	<0.20	<0.077	<0.048	<0.080	0.19	<0.080	<0.22	<0.19	<0.22	0.071 J	NA	NA	<0.049	<0.080	<0.080	<0.080
Pyrene	50	- -	<10	<2.0	<0.22	<0.19	<0.19	<0.077	<0.098	<0.080	<0.080	<0.080	<10 [<10]	<2.0	NA	<0.22	<0.19	<0.20	<0.077	<0.095	<0.080	<0.080	<0.080	<0.22	<0.19	<0.22	<0.077	NA	NA	<0.097	<0.080	<0.080	<0.080
Total PAHs	- -	- -	ND	ND	0.34	0.082 J	ND	ND	ND	ND	ND	0.39 J	ND [ND]	ND	NA	ND	ND	0.46 J	ND	0.052 J	0.32 J	0.99 J	0.067 J	0.61 J	0.13 J	ND	0.13 J	NA	NA	0.89 J	ND	ND	ND
Detected PAHs by USEPA Method 8310																																	
2-Methylnaphthalene	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	20	- -	<0.95	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.94 [<0.94]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthylene	- -	- -	<0.95	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.94 [<0.94]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	50	- -	<0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.19 [<0.19]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(ghi)perylene	- -	- -	<0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.19 [<0.19]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	0.002	- -	<0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.19 [<0.19]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	50	- -	<0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.19 [<0.19]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	50	- -	<0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.19 [<0.19]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	10	- -	<0.95	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.94 [<0.94]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	50	- -	<0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.044 J [0.042 J]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	50	- -	<0.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.19 [<0.19]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PAHs	- -	- -	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.044 J [0.042 J]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Inorganics																																	
Iron (Total)	300	- -	NA	NA	**3,290**	**832**	**9,670**	NA	NA	NA	NA	NA	NA	NA	**2,190**	NA	**458**	**791**	NA	NA	NA	NA	NA	NA	**389**	292	239	**3,540**	NA	NA	**1,350**	**668**	**3,100**	**1,410**
Iron (Filtered)	300	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese (Total)	300	- -	NA	NA	**303**	**1,470**	**1,630**	NA	NA	NA	NA	NA	NA	NA	**1,190**	NA	**427**	**554**	NA	NA	NA	NA	NA	**357**	192	**403**	**315**	NA	NA	**590**	**362**	**802**	296
Manganese (Filtered)	300	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detected Miscellaneous																																	
Alkalinity	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity-CaCO3	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	520,000	NA	NA	362,000	401,000	811,000	718,000
Ammonia	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon dioxide	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	948	NA	NA	680	719	817	337 J
Nitrate as N	- -	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	110	NA	NA	<110	200	<110	580
Nitrite as N	- -	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<10.0	NA	NA	<10.0	<10.0	<10.0	R
Nitrogen, Nitrate + Nitrite	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	110	NA	NA	<100	200	<100	580
Nitrogen, Total Kjeldahl	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	360	NA	NA	400 J	270 J	1,200	910
Orthophosphate as P	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oxygen	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	250,000	- -	NA	NA	95,000	91,500	77,200	NA	NA	NA	NA	NA	NA	NA	NA	NA	114,000	101,000	NA	NA	NA	NA	NA	54,400	174,000	66,400	33,500	NA	14,400	25,100	21,000	3,800	10,300
Total Organic Carbon	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4,600	NA	NA	3,500	2,300	1,300	1,300
TPH DRO	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<85 B	NA	NA	NA	<80	<81	<69
TPH GRO	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<200	NA	NA	<200	NA	<200	<200
SGC TPH DRO	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<83 J	NA	<83	<81	<82 J	<87

Table 5
Groundwater Analytical Results (ppb)

Niagara Mohawk Power Corporation
Superfund Site - Operable Unit 2 Project Area
Saratoga Springs, New York

Notes:

1. Samples were collected by Arcadis of New York, Inc. on the dates indicated, except for samples collected from MW-EPA-01R and MW-EPA-03R on October 2, 2024 and October 8 and 9, 2025; which were collected by Groundwater & Environmental Sercices, Inc. (GES).
2. Samples were submitted by Arcadis to SGS North America, Inc. of Dayton, NJ for laboratory analysis of one or more of the following constituents:
   - Benzene, toluene, ethylbenzene and xylenes.(BTEX) using United States Environmental Protection Agency (USEPA) SW-846 Method 8260.
   - Polycyclic aromatic hydrocarbons (PAHs) using USEPA SW-846 Method 8270 selected ion monitoring (SIM) or Method 8310, as indicated.
   - Iron and manganese using USEPA SW-846 Method 6010.
   - Alkalinity using Standard Method SM2320 B-11.
   - Ammonia using Standard Method SM4500 NH3H.
   - Carbon dioxide, methane, and dissolved oxygen using Method RSK-175.
   - Nitrate using USEPA Method 353.2.
   - Total Kjeldahl nitrogen (TKN) using USEPA Method 351.2.
   - Orthophosphate as P using Standard Method SM4500 PE.
   - Sulfate using USEPA Method 9056.
   - Sulfide using Standard Method SM4500S2 F-11.
   - Total organic carbon (TOC) using Standard Method SM5310 B-11.
   - Total petroleum hydrocarbons (TPH) diesel range organics (DRO) using USEPA Method 8015D.
   - TPH gasoline orange organics (GRO) using USEPA Method 8015D.
   - Silica gel column (SGC) TPH DRO using USEPA Methods 3510C and 8015D.
4. Samples collected by GES were submitted to Eurofins of Amherst, NY for laboratory analysis of the following:
   - BTEX using USEPA SW-846 Method 8260C.
   - PAHs using USEPA SW-846 Method 8270E SIM.
3. Only those constituents detected in one or more samples are summarized.
4. Concentrations reported in parts per billion (ppb), which is equivalent to micrograms per liter (µg/L).
5. Field duplicate sample results are presented in brackets.
6. Data qualifiers are defined as follows:
   - < - Constituent not detected at a concentration above the reported detection limit.
   - B - Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.
   - D - Compound quantitated using a secondary dilution. Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis.
   - E - Concentration exceeded the calibration range for that specific analysis.
   - J - Indicates that the associated numerical value is an estimated concentration.
   - NJ - The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification. The associated numerical value is an estimated concentration only.
7. New York State Department of Environmental Conservation (NYSDEC) groundwater standards/guidance values are from the NYSDEC Division of Water, Technical and Operational Guidance Series (TOGS) document titled "Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations" (TOGS 1.1.1) dated June 1998, revised April 2000 and June 2004.
8. Federal Maximum Contaminant Levels (MCLs) for drinking water presented in 40 Code of Federal Regulations, Chapter I, Subchapter D, Part 141.61, dated January 1991, updated July 1991, July 1992, and July 1994.
9. Bold font designates values that exceed the NYSDEC groundwater quality standards/guidance values.
10. Shading designates values that exceed the Federal MCLs.
11. - - = No TOGS 1.1.1 Water Quality Standard/Guidance Value or Federal MCL listed.
12. NA = Not analyzed.
13. ND = Not detected.
14. Results have been validated in accordance with USEPA National Functional Guidelines of October 1999.

Table 6
Hydrogen Sulfide, Lower Explosive Limit, and Methane Gas Measurements at Monitoring Wells, Catch Basins, and Manholes In the OU 2 Project Area

Niagara Mohawk Power Corporation
Superfund Site - Operable Unit 2 Project Area
Saratoga Springs, New York

Well ID	Measurement During or After Gypsum Slurry Injection	Date	Time	Depth to Bottom of Well (feet)	Depth to Water (feet)	Measurement Depth (feet)	H2S (ppm)	% LEL (measured)	% LEL (calculated)	Methane (%)
Existing Monitoring Wells and Manholes Upgradient from Gypsum Slurry Injection Area										
MW-EPA-02R	Post-Injection	1/26/2022	12:15 to 12:20	19.21	10.6	10.1, 9.1, 8.1, 7.1, 6.1, and 0	0.0	0	0	0.0
		5/3/2022	12:00 to 12:05	- -	10.1	10, 9, 8, 7, 6, 5, 4, 3, 2, 1	0.0	0	0	0.0
		7/21/2022	14:30 to 14:35	19.6	10.3	10.2, 9.3, 8.3, 7.3, 6.3, 5.3, 4.3, 3.3, 2.3, 1.3, and 0	0.0	0	0	0.0
		10/10/2022	9:40 to 10:05	19.65	10.4	10.3, 10, 9, 8, 7, 6, 5, 4, 3, 2, 1, and 0	0.0	0	- -	- -
		9/19/2023	11:39 to 11:41	19.5	10.1	9, 8, 7, 6, 5, 4, 3, 2, and 1	0.0	0	0	0.0
		10/1/2024	10:51 to 10:59	19.73	10.3	9.8, 8.8, 7.8, 6.8, 5.8, 4.8, and 3.8	0.0	0	- -	- -
		10/8/2025	12:58 to 13:10	19.61	10.2	9.7, 8.7, 7.7, 6.7, 5.7, and 0.5	0.0	- -	0	0.0
MW-EPA-06	Post-Injection	1/26/2022	12:00 to 12:05	14.81	6.5	6, 5, 4, 3, 2, 1, and 0	0.0	0	0	0.0
		5/3/2022	11:50 to 11:55	- -	6.0	6, 5, 4, 3, 2, 1, and 0	0.0	0	0	0.0
		7/21/2022	14:39 to 14:44	14.81	6.6	6.5, 6, 5, 4, 3, 2, 1, and 0	0.0	0	0	0.0
		10/10/2022	14:45 to 14:50	14.84	6.8	6.7, 6, 5, 4, 3, 2, 1. and 0	0.0	0	- -	- -
		9/19/2023	11:42 to 11:44	14.79	6.5	5.5, 4.5, 3.5, 2.5, 1.5, and 0.5	0.0	0	0	0.0
		10/1/2024	10:38 to 10:46	14.6	6.9	6.4, 5.4, 4.4, 3.4, 2.4,and 1.4	0.0	0	- -	- -
		10/8/2025	13:18 to 13:27	14.78	6.6	6.1, 5.1, 4.1, and 0.5	0.0	- -	0	0.0

Table 6
Hydrogen Sulfide, Lower Explosive Limit, and Methane Gas Measurements at Monitoring Wells, Catch Basins, and Manholes In the OU 2 Project Area

Niagara Mohawk Power Corporation
Superfund Site - Operable Unit 2 Project Area
Saratoga Springs, New York

Well ID	Measurement During or After Gypsum Slurry Injection	Date	Time	Depth to Bottom of Well (feet)	Depth to Water (feet)	Measurement Depth (feet)	H2S (ppm)	% LEL (measured)	% LEL (calculated)	Methane (%)
MW-ORS-01	Post-Injection	1/25/2022	**Initial Measurements Before Well Headspace Evacuation**							
			13:00 to 13:05	15	5.6	5.1, 4.1, 3.1, and 2.1	0.0	0	0	0
			Measurements Following Groundwater Purging and Sampling							
			14:30	15	7.4	6.9	0.0	12	10	0.5
			to			5.9	0.0	5	4	0.2
						4.9	0.0	2	2	0.1
						3.9	0.0	0	0	0.0
			14:35			0.0	0.0	0	0	0.0
		1/26/2022	12:45 to 12:50	15	5.9	5.4, 4.4, 3.4, 2.4, 1.4, and 0	0.0	0	0	0.0
		5/3/2022	9:30 to 9:40	- -	5.4	5.4, 5, 4, 3, 2, 1, and 0	0.0	0	0	0.0
		7/21/2022	14:11 to 14:14	15.11	5.1	5, 4.1, 3.1, 2.1, 1.1, and 0.1	0.0	0	0	0.0
		10/10/2022	13:40 to 13:45	15.06	5.0	4.9, 4, 3, 2, 1, and 0	0.0	0	- -	- -
		9/19/2023	**Initial Measurements**							
			11:30	13.86	5.1	4.0	0.0	4.0	0	0.0
			to			3.0	0.0	0	0	0.0
						2.0	0.0	0	0	0.0
			11:32			1.0	0.0	0	0	0.0
			Measurements Following Well Headspace Evacuation (4 Air Volumes)							
			13:11 to 13:16	13.86	5.1	4, 3, 2, and 1	0.0	0.0	0	0.0
		10/1/2024	14:32	14.4	6.0	5.5	0.0	7.0	- -	- -
			to			4.5	0.0	6	- -	- -
						3.5	0.0	0	- -	- -
						2.5	0.0	0	- -	- -
						1.5	0.0	0	- -	- -
			14:38			0.5	0.0	0	- -	- -
		10/8/2025	14:08 to 14:09	14.57	6.1	5.6, 4.6, 3.6, and 0.5	0.0	- -	0	0.0
MH-5	Post-Injection	1/26/2022	12:25 to 12:30	6.25	6.25	5.75, 4.75, 3.75, 2.75, 1.75, 0.75, and 0	0.0	0	0	0.0
		7/21/2022	14:22 to 14:25	- -	6.3	6.2, 5.3, 4.3, 3.3, 2.3, 1.3, and 0.3	0.0	0	0	0.0
		10/10/2022	13:50 to 13:55	- -	6.5	6.4, 6, 5, 4, 3, 2, 1, and 0	0.0	0	- -	- -
		9/19/2023	11:36 to 11:38	- -	6.0	5.5, 4.5, 3.5, 2.5, 1.5, and 0.5	0.0	0	0	0.0
		10/1/2024	14:16 to 14:20	- -	6.7	6.2, 5.2, 4.2, and 3.2	0.0	0	- -	- -
		10/8/2025	14:20 to 14:27	- -	7.0	6.5, 5.5, 4.5, and 0.5	0.0	- -	0	0.0

Table 6
Hydrogen Sulfide, Lower Explosive Limit, and Methane Gas Measurements at Monitoring Wells, Catch Basins, and Manholes In the OU 2 Project Area

Niagara Mohawk Power Corporation
Superfund Site - Operable Unit 2 Project Area
Saratoga Springs, New York

Well ID	Measurement During or After Gypsum Slurry Injection	Date	Time	Depth to Bottom of Well (feet)	Depth to Water (feet)	Measurement Depth (feet)	H2S (ppm)	% LEL (measured)	% LEL (calculated)	Methane (%)
MH-6	Post-Injection	1/26/2022	12:35 to 12:40	5.9	5.9	5.4, 4.4, 3.4, 2.4, 1.4, and 0	0.0	0	0	0.0
		7/21/2022	14:17 to 14:20	- -	5.8	5.7, 4.8, 3.8, 2.8, 1.8, and 0.8	0.0	0	0	0.0
		10/10/2022	14:35 to 14:40	- -	6.0	5.9, 5, 4, 3, 2, 1, and 0	0.0	0	- -	- -
		9/19/2023	11:33 to 11:35	- -	5.5	5, 4, 3, 2, and 1	0.0	0	0	0.0
		10/1/2024	14:24 to 14:27	- -	6.3	5.8, 4.8, 3.8, and 2.8	0.0	0	- -	- -
		10/8/2025	Inaccessible - Manhole Cover Could Not Be Removed							
Existing Monitoring Wells and Catch Basins Downgradient from Gypsum Slurry Injection Area										
MW-SS-08-08	During Injection Period	9/13/2021	11:50	20	7.2	0.0	0.0	0	- -	- -
		9/14/2021	7:27	20	7.2	0.0	0.0	0	- -	- -
			15:57	20	7.3	0.0	0.0	0	- -	- -
		9/15/2021	7:29	20	7.2	0.0	0.0	23*	- -	- -
		9/16/2021	7:12	20	7.3	0.0	0.0	0	- -	- -
			14:49	20	7.4	0.0	0.0	0	- -	- -
		9/17/2021	7:43	20	6.8	0.0	0.0	0	- -	- -
			13:33	20	6.5	0.0	0.0	0	- -	- -
	Post-Injection	11/9/2021	- -	- -	7.0	6.5	35.9	99	- -	- -
			- -	- -		5.5	5.5	99	- -	- -
			- -	- -		4.5	5.1	99	- -	- -
			- -	- -		3.5	2.6	99	- -	- -
		1/25/2022	**Initial Measurements**							
			9:00	17:45	7.4	6.9	0.0	5	4	0.2
			to			5.9	0.0	4	4	0.2
						4.9	0.0	3	4	0.2
						3.9	0.0	2	2	0.1
						2.9	0.0	0	2	0.1
						1.9	0.0	0	2	0.1
						0.9	0.0	0	2	0.1
			9:05			0.0	0.0	0	2	0.1
			Measurements Following Groundwater Purging and Sampling							
			12:30 to 12:35	17.45	7.6	7.1, 6.1, 5.1, 4.1, and 3.1	0.0	0	0	0.0
		1/26/2022	13:10	17.45	7.5	7.0	0.0	0	0	0.0
			to			6.0	0.0	0	2	0.1
			13:15			5, 4, 3, 2, 1, and 0	0.0	0	0	0.0
		5/3/2022	9:45 to 9:50	- -	7.0	6.95, 6.5, 5.5, 4.5, 3.5, 2.5, 1.5, and 0	0.0	0	0	0.0

Table 6
Hydrogen Sulfide, Lower Explosive Limit, and Methane Gas Measurements at Monitoring Wells, Catch Basins, and Manholes In the OU 2 Project Area

Niagara Mohawk Power Corporation
Superfund Site - Operable Unit 2 Project Area
Saratoga Springs, New York

Well ID	Measurement During or After Gypsum Slurry Injection	Date	Time	Depth to Bottom of Well (feet)	Depth to Water (feet)	Measurement Depth (feet)	H2S (ppm)	% LEL (measured)	% LEL (calculated)	Methane (%)
MW-SS-08-08	Post-Injection	7/21/2022	12:55 to 12:59	19.97	7.2	7.1, 6.2, 5.2, 4.2, 3.2, 2.2, 1.2, and 0.2	0.0	0	0	0.0
		10/10/2022	13:30 to 13:35	20.02	7.1	7, 6, 5, 4, 3, 2, 1, and 0	0.0	0	- -	- -
		9/19/2023	**Initial Measurements Before Well Headspace Evacuation**							
			11:21	20.01	7.0	6.0	0.0	0	2	0.1
						5.0	0.0	0	2	0.1
						4.0	0.0	0	0	0.0
						3.0	0.0	0	0	0.0
						2.0	0.0	0	0	0.0
			11:23			1.0	0.0	0	0	0.0
			Measurements Following Well Headspace Evacuation (4 Air Volumes)							
			13:05 to 13:08	20.01	7.0	6, 5, 4, 3, 2, and 1	0.0	0	0	0.0
		10/1/2024	11:43 to 11:46	19.87	7.3	6.8, 5.8, 4.8, and 3.8	0.0	0	- -	- -
		10/8/2025	**Initial Measurements Before Well Headspace Evacuation**							
			14:38	20.03	7.5	7.0	0.0	- -	6	0.3
			to			6.0	0.0	- -	6	0.3
						5.0	0.0	- -	4	0.2
						4.0	0.0	- -	4	0.2
						3.0	0.0	- -	2	0.1
						2.0	0.0	- -	0	0.0
			14:46			0.5	0.0	- -	0	0.0
			Measurements Following Well Headspace Evacuation (6.5 Air Volumes)							
			14:54 to 15:02	20.03	7.5	7, 6, 5, 4, 3, and 0.5	0.0	- -	0	0.0

Table 6
Hydrogen Sulfide, Lower Explosive Limit, and Methane Gas Measurements at Monitoring Wells, Catch Basins, and Manholes In the OU 2 Project Area

Niagara Mohawk Power Corporation
Superfund Site - Operable Unit 2 Project Area
Saratoga Springs, New York

Well ID	Measurement During or After Gypsum Slurry Injection	Date	Time	Depth to Bottom of Well (feet)	Depth to Water (feet)	Measurement Depth (feet)	H2S (ppm)	% LEL (measured)	% LEL (calculated)	Methane (%)
MW-EPA-07	During Injection Period	9/13/2021	11:58	16.3	7.5	0.0	6.2	9.9	- -	- -
		9/14/2021	7:33	16.3	7.1	0.0	0.0	0	- -	- -
			15:57	16.3	6.7	0.0	8.2	99	- -	- -
		9/15/2021	7:38	16.3	7.1	0.0	0.0	0	- -	- -
		9/16/2021	7:12	16.3	7.1	0.0	0.0	0	- -	- -
			14:56	16.3	7.2	0.0	0.0	0	- -	- -
		9/17/2021	7:46	16.3	6.8	0.0	0.0	0	- -	- -
			13:30	16.3	6.5	0.0	0.0	0	- -	- -
	Post-Injection	11/9/2021	- -	- -	7.0	6.5, 5.5, 4.5, and 3.5	0.0	0	- -	- -
		1/25/2022	**Initial Measurements Before Well Headspace Evacuation**							
			10:30	16.1	7.6	7.1	0.0	99	354	17.7
			to			6.1	0.0	99	118	5.9
						5.1	0.0	99	2	0.1
						4.1	0.0	99	0	0.0
						3.1	0.0	99	0	0.0
						2.1	0.0	99	0	0.0
						1.1	0.0	99	0	0.0
						0.1	0.0	99	0	0.0
			10:35			0	0.0	99	190	9.5
			Measurements Following Well Headspace Evacuation (3.1 Air Volumes) and Groundwater Purging and Sampling							
			14:35	16.1	8.1	1	0.0	53	242	12.1
			14:36			4	0.0	99	46	2.3
		1/26/2022	12:55	16.1	7.7	7.2	0.0	86	74	3.7
			to			6.2	0.0	99	150	7.5
						5.2	0.0	99	80	4.0
						4.2	0.0	99	62	3.1
						3.2	0.0	99	30	1.5
						2.2	0.0	99	6	0.3
						1.1	0.0	99	0	0.0
			13:00			0	0.0	3	2	0.1

Table 6
Hydrogen Sulfide, Lower Explosive Limit, and Methane Gas Measurements at Monitoring Wells, Catch Basins, and Manholes In the OU 2 Project Area

Niagara Mohawk Power Corporation
Superfund Site - Operable Unit 2 Project Area
Saratoga Springs, New York

Well ID	Measurement During or After Gypsum Slurry Injection	Date	Time	Depth to Bottom of Well (feet)	Depth to Water (feet)	Measurement Depth (feet)	H2S (ppm)	% LEL (measured)	% LEL (calculated)	Methane (%)
MW-EPA-07	Post-Injection	5/3/2022	**Initial Measurements Before Well Headspace Evacuation**							
			10:20	16.1	7.1	7.1	0.0	99	528	26.4
			Measurements Following Well Headspace Evacuation (6 Air Volumes)							
			10:30	16.1	7.1	6	0.0	99	88	4.4
			10:35			5, 4, 3, 2, and 1	0.0	0	0	0.0
		7/21/2022	**Initial Measurements Before Well Headspace Evacuation**							
			13:02	16.43	7.2	7.1	0.0	99+	764	38.2
			to			6.2	0.0	99+	484	24.2
						5.2	0.0	99+	86	4.3
						4.2	0.0	0	0	0.0
						3.2	0.0	0	0	0.0
						2.2	0.0	0	0	0.0
						1.2	0.0	0	0	0.0
			13:09			0.2	0.0	0	0	0.0
			Measurements Following Well Headspace Evacuation (3 Air Volumes)							
			15:07	16.43	7.2	7.1	0.0	12	12	0.6
			to			6.2	0.0	2	2	0.1
						5.2	0.0	0	0	0.0
						4.2	0.0	0	0	0.0
						3.2	0.0	0	0	0.0
						2.2	0.0	0	0	0.0
						1.2	0.0	0	0	0.0
			15:15			0.2	0.0	0	0	0.0
		10/10/2022	**Initial Measurements Before Well Headspace Evacuation**							
			13:15	16.42	7.4	7.2	3.4	99	- -	- -
			to			7.0	2.9	99	- -	- -
						6.0	1.7	99	- -	- -
						5.0	1.1	99	- -	- -
						4.0	0.7	99	- -	- -
						3.0	0.0	99	- -	- -
						2.0	0.0	99	- -	- -
						1.0	0.0	99	- -	- -
			13:25			0.0	0.0	99	- -	- -
			Measurements Following Well Headspace Evacuation (3 Air Volumes)							
			17:10	16.42	7.4	7.2	0.0	5	- -	- -
			to			7.0	0.0	5	- -	- -
						6.0	0.0	3	- -	- -
						5.0	0.0	0	- -	- -
						4.0	0.0	0	- -	- -
						3.0	0.0	0	- -	- -
						2.0	0.0	0	- -	- -
						1.0	0.0	0	- -	- -
			17:15			0.0	0.0	0	- -	- -

Table 6
Hydrogen Sulfide, Lower Explosive Limit, and Methane Gas Measurements at Monitoring Wells, Catch Basins, and Manholes In the OU 2 Project Area

Niagara Mohawk Power Corporation
Superfund Site - Operable Unit 2 Project Area
Saratoga Springs, New York

Well ID	Measurement During or After Gypsum Slurry Injection	Date	Time	Depth to Bottom of Well (feet)	Depth to Water (feet)	Measurement Depth (feet)	H2S (ppm)	% LEL (measured)	% LEL (calculated)	Methane (%)
MW-EPA-07	Post-Injection	9/19/2023	**Initial Measurements Before Well Headspace Evacuation**							
			11:18	16.4	6.9	6.5	0.0	99	>100	32.0
			to			5.5	0.0	99	>100	23.8
						4.5	0.0	99	>100	10.3
						3.5	0.0	93	72	3.6
						2.5	0.0	3	10	0.5
						1.5	0.0	0	0	0.0
			11:20			0.5	0.0	0	0	0.0
			Measurements Following Well Headspace Evacuation (4 Air Volumes)							
			13:08 to 13:11	16.4	6.9	6.5, 5.5, 4.5, 3.5, 2.5, 1.5, and 0.5	0.0	0	0	0.0
		10/1/2024	**Initial Measurements Before Well Headspace Evacuation**							
			11:54	16.2	7.5	1.5	0.0	0	- -	- -
			to			2.5	0.0	0	- -	- -
						3.5	0.0	0	- -	- -
						4.5	0.0	0	- -	- -
						5.5	0.0	3	- -	- -
						6.5	0.0	99	- -	- -
			12:07			7.5	0.0	99	- -	- -
			Measurements Following Well Headspace Evacuation (2.8 Air Volumes)							
			13:44	16.2	11.5	11.0	0.0	6	- -	- -
			to			10.0	0.0	0	- -	- -
						9.0	0.0	0	- -	- -
						8.0	0.0	0	- -	- -
			13:50			7.0	0.0	0	- -	- -
		10/8/2025	**Initial Measurements Before Well Headspace Evacuation**							
			10:35	16.3	7.5	7.0	0.0	- -	>100	34.1
			to			6.0	0.0	- -	>100	27.8
						5.0	0.0	- -	8	0.4
						4.0	0.0	- -	4	0.2
						3.0	0.0	- -	0	0.0
						2.0	0.0	- -	0	0.0
			10:46			0.5	0.0	- -	0	0.0
			Measurements Following Well Headspace Evacuation (21.5 Air Volumes)							
			10:57	16.3	7.5	7.0	0.0	- -	4	0.2
			to			6.0	0.0	- -	0	0.0
						5.0	0.0	- -	0	0.0
						4.0	0.0	- -	0	0.0
			11:08			0.5	0.0	- -	0	0.0

Table 6
Hydrogen Sulfide, Lower Explosive Limit, and Methane Gas Measurements at Monitoring Wells, Catch Basins, and Manholes In the OU 2 Project Area

Niagara Mohawk Power Corporation
Superfund Site - Operable Unit 2 Project Area
Saratoga Springs, New York

Well ID	Measurement During or After Gypsum Slurry Injection	Date	Time	Depth to Bottom of Well (feet)	Depth to Water (feet)	Measurement Depth (feet)	H2S (ppm)	% LEL (measured)	% LEL (calculated)	Methane (%)
MW-EPA-09	Post-Injection	1/25/2022	14:50	17.01	10.3	9.8, 8.8, 7.8, 6.8, and 0	0.0	0	0	0.0
		5/3/2022	11:15 to 11:25	- -	10.2	10.2, 10, 9, 8, 7, 6, 5, 4, 3, 2, and 1	0.0	0	0	0.0
		7/21/2022	13:20 to 13:26	17.09	10.3	10.2, 9.3, 8.3, 7.3, 6.3, 5.3, 4.3, 3.3, 2.3, 1.3, and 0.3	0.0	0	0	0.0
		10/10/2022	11:00 to 11:20	17.03	10.3	10.2, 10, 9, 8, 7, 6, 5, 4, 3, 2, 1, and 0	0.0	0	- -	- -
		9/19/2023	**Initial Measurements Before Well Headspace Evacuation**							
			11:09 to 11:11	17.1	10.3	9.5, 8.5, 7.5, 6.5, 5.5, 4.5, 3.5, 2.5, 1.5, and 0.5	0.0	0	0	0.0
			Measurements Following Well Headspace Evacuation (4 Air Volumes)							
			12:55 to 13:00	17.1	10.3	9.5, 8.5, 7.5, 6.5, 5.5, 4.5, 3.5, 2.5, 1.5, and 0.5	0.0	0	0	0.0
		10/1/2024	15:25 to 15:28	16.89	10.3	9.8, 8.8, 7.8, and 6.8	0.0	0	- -	- -
		10/8/2025	15:51 to 15:58	17.12	10.2	9.7, 8.7, 7.7, and 0.5	0.0	- -	0	0.0

Table 6
Hydrogen Sulfide, Lower Explosive Limit, and Methane Gas Measurements at Monitoring Wells, Catch Basins, and Manholes In the OU 2 Project Area

Niagara Mohawk Power Corporation
Superfund Site - Operable Unit 2 Project Area
Saratoga Springs, New York

Well ID	Measurement During or After Gypsum Slurry Injection	Date	Time	Depth to Bottom of Well (feet)	Depth to Water (feet)	Measurement Depth (feet)	H2S (ppm)	% LEL (measured)	% LEL (calculated)	Methane (%)
MW-EPA-10	Post-Injection	1/25/2022	10:30	14.58	11.6	11.1, 10.1, 9.1, and 8.1	0.0	0	0	0.0
		5/3/2022	11:00 to 11:05	- -	10.7	10.7, 10.5, 9, 8, 7, 6, 5, 4, 3, 2, and 1	0.0	0	0	0.0
		7/21/2022	13:33 to 13:40	15	11.5	11.4, 11, 10.5, 9.5, 8.5, 7.5, 6.5, 5.5, 4.5, 3.5, 2.5, 1.5, and 0.5	0.0	0	0	0.0
		10/10/2022	**Initial Measurements Before Well Headspace Evacuation**							
			12:55	15.02	11.6	11.5	0.0	13	- -	- -
			to			11.0	0.0	13	- -	- -
						10.0	0.0	4	- -	- -
						9.0	0.0	0	- -	- -
						8.0	0.0	0	- -	- -
						7.0	0.0	0	- -	- -
						6.0	0.0	0	- -	- -
						5.0	0.0	0	- -	- -
						4.0	0.0	0	- -	- -
						3.0	0.0	0	- -	- -
						2.0	0.0	0	- -	- -
						1.0	0.0	0	- -	- -
			13:00			0.0	0.0	0	- -	- -
			Measurements Following Well Headspace Evacuation (3 Air Volumes)							
			16:35 to 16:40	15.02	11.6	11.5, 11, 10, 9, 8, 7, 6, 5, 4, 3, 2, 1, and 0	0.0	0	- -	- -

Table 6
Hydrogen Sulfide, Lower Explosive Limit, and Methane Gas Measurements at Monitoring Wells, Catch Basins, and Manholes In the OU 2 Project Area

Niagara Mohawk Power Corporation
Superfund Site - Operable Unit 2 Project Area
Saratoga Springs, New York

Well ID	Measurement During or After Gypsum Slurry Injection	Date	Time	Depth to Bottom of Well (feet)	Depth to Water (feet)	Measurement Depth (feet)	H2S (ppm)	% LEL (measured)	% LEL (calculated)	Methane (%)
MW-EPA-10	Post-Injection	9/19/2023	**Initial Measurements Before Well Headspace Evacuation**							
			11:12	14.97	11.5	10.5	0.0	3.0	2.0	0.1
			to			9.5	0.0	0	0	0.0
						8.5	0.0	0	0	0.0
						7.5	0.0	0	0	0.0
						6.5	0.0	0	0	0.0
						5.5	0.0	0	0	0.0
						4.5	0.0	0	0	0.0
						3.5	0.0	0	0	0.0
						2.5	0.0	0	0	0.0
						1.5	0.0	0	0	0.0
			11:14			0.5	0.0	0	0	0.0
			Measurements Following Well Headspace Evacuation (5 Air Volumes)							
			12:46 to 12:51	14.97	11.5	10.5, 9.5, 8.5, 7.5, 6.5, 5.5, 4.5, 3.5, 2.5, 1.5, and 0.5	0.0	0	0	0.0
		10/1/2024	15:15 to 15:19	14.82	11.5	11, 10, 9, and 8	0.0	0	- -	- -
		10/8/2025	**Initial Measurements Before Well Headspace Evacuation**							
			15:24	15.06	11.5	11.0	0.0	- -	2.0	0.1
			to			10.0	0.0	- -	0	0.0
						9.0	0.0	- -	0	0.0
						8.0	0.0	- -	0	0.0
						7.0	0.0	- -	0	0.0
						6.0	0.0	- -	0	0.0
			15:33			0.5	0.0	- -	0	0.0
			Measurements Following Well Headspace Evacuation (22.5 Air Volumes)							
			15:43 to 15:47	15.06	11.5	11, 10, 9, and 0.5	0.0	- -	0	0.0

Table 6
Hydrogen Sulfide, Lower Explosive Limit, and Methane Gas Measurements at Monitoring Wells, Catch Basins, and Manholes In the OU 2 Project Area

Niagara Mohawk Power Corporation
Superfund Site - Operable Unit 2 Project Area
Saratoga Springs, New York

Well ID	Measurement During or After Gypsum Slurry Injection	Date	Time	Depth to Bottom of Well (feet)	Depth to Water (feet)	Measurement Depth (feet)	H2S (ppm)	% LEL (measured)	% LEL (calculated)	Methane (%)
CB-4	Post-Injection	1/26/2022	13:35 to 13:36	1.58	Dry	1.08 and 0**	0.0	0	0	0.0
		5/3/2022	12:20 to 12:25	2.75	Dry	2.8, 2, and 1**	0.0	0	0	0.0
		7/21/2022	Inaccessible - Covered with Erosion Control Fabric							
		10/10/2022	14:10 to 14:12	2.75	Dry	2.7, 2, 1, and 0**	0.0	0	- -	- -
		9/19/2023	11:27 to 11:29	3.1	Dry	3	0.0	0	0	0.0
		10/1/2024	13:38	3.16	Dry	2.66	0.0	0	- -	- -
		10/8/2025	15:09 to 15:13	3	Dry	2.5, 2, and 0.5	0.0	- -	0	0.0
CB-5	Post-Injection	11/9/2021	- -	- -	Dry	1.5 and 0.5**	0.0	0	- -	- -
		1/26/2022	13:25 to 13:26	- -	1.3	0.8 and 0	0.0	0	0	0.0
		5/3/2022	12:10 to 12:15	1.9	Dry	1.9 and 1**	0.0	0	0	0.0
		7/21/2022	12:51 to 12:52	2.07	Dry	2, 1.1, and 0.1**	0.0	0	0	0.0
		10/10/2022	14:15 to 14:16	2.12	Dry	2, 1, and 0**	0.0	0	- -	- -
		9/19/2023	11:24 to 11:26	2	Dry	1.5	0.0	0	0	0.0
		10/1/2024	11:40	2.1	Dry	1.6	0.0	0	- -	- -
		10/8/2025	15:04 to 15:08	1	Dry	0.5, 0.25, and 0	0.0	- -	0	0.0
Existing Monitoring Wells and Catch Basin Sidegradient from Gypsum Slurry Injection Area										
MW-SS-08-05	Post-Injection	1/26/2022	Inaccessible - Well Located Beneath a Snow Bank							
		5/3/2022	10:45 to 10:55	- -	9.8	9.75, 9.5, 9, 8, 7, 6, 5, 4, 3, 2, 1	0.0	0	0	0.0
		7/21/2022	13:59 to 14:04	18.46	10.2	10.1, 9.2, 8.2, 7.2, 6.2, 5.2, 4.2, 3.2, 2.2, 1.2, and 0	0.0	0	0	0.0
		10/10/2022	13:05 to 13:10	17.32	9.1	9, 8, 7, 6, 5, 4, 3, 2, 1, and 0	0.0	0	- -	- -
		9/19/2023	11:15 to 11:17	17.3	8.5	7.5, 6.5, 5.5, 4.5, 3.5, 2.5, 1.5, and 0.5	0.0	0	0	0.0
		10/1/2024	15:08 to 15:11	17.14	8.6	8.1, 7.1, 6.1, and 5.1	0.0	0	- -	- -
		10/8/2025	15:16 to 15:21	17.31	8.0	7.5, 6.5, 5.5, and 0.5	0.0	- -	0.0	0.0

Table 6
Hydrogen Sulfide, Lower Explosive Limit, and Methane Gas Measurements at Monitoring Wells, Catch Basins, and Manholes In the OU 2 Project Area

Niagara Mohawk Power Corporation
Superfund Site - Operable Unit 2 Project Area
Saratoga Springs, New York

Well ID	Measurement During or After Gypsum Slurry Injection	Date	Time	Depth to Bottom of Well (feet)	Depth to Water (feet)	Measurement Depth (feet)	H2S (ppm)	% LEL (measured)	% LEL (calculated)	Methane (%)
MW-SS-09-06	Post-Injection	1/26/2022	**Initial Measurements**							
			9:50	19.32	11.7	11.2	0.0	34	78	3.9
			to			10.2	0.0	47	72	3.6
						9.2	0.0	70	68	3.4
						8.2	0.0	64	56	2.8
						7.2	0.0	57	48	2.4
						6.2	0.0	42	36	1.8
						5.2	0.0	37	34	1.7
						4.2	0.0	27	26	1.3
						3.2	0.0	18	16	0.8
						2.2	0.0	11	12	0.6
						1.2	0.0	8	8	0.4
						0.2	0.0	4	6	0.3
			9:55			0.0	0.0	0	2	0.1
		1/26/2022	**Measurements Following Well Headspace Evacuation (0.5 Air Volumes) and Groundwater Purging and Sampling**							
			10:15	19.32	11.4	10.9	0.0	55	52	2.6
			to			9.9	0.0	46	44	2.2
						8.9	0.0	32	30	1.5
						7.9	0.0	24	24	1.2
						6.9	0.0	15	18	0.9
						5.9	0.0	9	10	0.5
						4.9	0.0	7	8	0.4
						3.9	0.0	5	6	0.3
						2.9	0.0	3	4	0.2
						1.9	0.0	2	4	0.2
						0.9	0.0	0	2	0.1
			10:20			0.0	0.0	0	2	0.1
		5/3/2022	11:30 to 11:35	- -	11.2	11, 10, 9, 8, 7, 6, 5, 4, 3, 2, and 1	0.0	0	0	0.0
		7/21/2022	**Initial Measurements**							
			12:19	19.53	11.4	11.3	0.0	13	44	2.2
			to			10.9	0.0	17	40	2.0
						9.9	0.0	31	38	1.9
						8.9	0.0	27	32	1.6
						7.9	0.0	29	26	1.3
						6.9	0.0	25	22	1.1
						5.9	0.0	19	18	0.9
						4.9	0.0	15	16	0.8
						3.9	0.0	5	6	0.3
						2.9	0.0	3	2	0.1
						1.9	0.0	0	0	0.0
						0.9	0.0	0	0	0.0
			12:27			0.0	0.0	0	0	0.0

Table 6
Hydrogen Sulfide, Lower Explosive Limit, and Methane Gas Measurements at Monitoring Wells, Catch Basins, and Manholes In the OU 2 Project Area

Niagara Mohawk Power Corporation
Superfund Site - Operable Unit 2 Project Area
Saratoga Springs, New York

Well ID	Measurement During or After Gypsum Slurry Injection	Date	Time	Depth to Bottom of Well (feet)	Depth to Water (feet)	Measurement Depth (feet)	H2S (ppm)	% LEL (measured)	% LEL (calculated)	Methane (%)
MW-SS-09-06	Post-Injection	7/21/2022	**Measurements Following Well Headspace Evacuation (3 Air Volumes)**							
			14:52	19.53	11.4	11.3	0.0	22	20	1.0
			to			10.9	0.0	14	12	0.6
						9.9	0.0	10	8	0.4
						8.9	0.0	6	4	0.2
						7.9	0.0	3	2	0.1
						6.9	0.0	2	2	0.1
						5.9	0.0	0	0	0.0
						4.9	0.0	0	0	0.0
						3.9	0.0	0	0	0.0
						2.9	0.0	0	0	0.0
						1.9	0.0	0	0	0.0
						0.9	0.0	0	0	0.0
			15:02			0.0	0.0	0	0	0.0
		10/10/2022	**Initial Measurements**							
			10:25	19.55	11.5	11.3	0.0	33	- -	- -
			to			10.0	0.0	33	- -	- -
						10.0	0.0	32	- -	- -
						9.0	0.0	32	- -	- -
						8.0	0.0	31	- -	- -
						7.0	0.0	30	- -	- -
						6.0	0.0	27	- -	- -
						5.0	0.0	23	- -	- -
						4.0	0.0	19	- -	- -
						3.0	0.0	16	- -	- -
						2.0	0.0	13	- -	- -
						1.0	0.0	7	- -	- -
			10:45			0.0	0.0	0	- -	- -
			Measurements Following Well Headspace Evacuation (3 Air Volumes)							
			16:00 to 16:10	19.55	11.5	11.3, 11, 10, 9, 8, 7, 6, 5, 4, 3, 2, 1, and 0	0.0	0	- -	- -
		9/19/2023	**Initial Measurements**							
			11:00	19.52	11.2	10.0	0.0	12	22	1.1
			to			9.0	0.0	9	16	0.8
						8.0	0.0	7	12	0.6
						7.0	0.0	5	6	0.3
						6.0	0.0	0	2	0.1
						5.0	0.0	0	0	0.0
						4.0	0.0	0	0	0.0
						3.0	0.0	0	0	0.0
						2.0	0.0	0	0	0.0
			11:02			1.0	0.0	0	0	0.0
			Measurements Following Well Headspace Evacuation (6 Air Volumes)							
			11:25 to 11:30	19.52	11.2	10, 9, 8, 7, 6, 5, 4, 3, 2, and 1	0.0	0	0	0.0

Table 6
Hydrogen Sulfide, Lower Explosive Limit, and Methane Gas Measurements at Monitoring Wells, Catch Basins, and Manholes In the OU 2 Project Area

Niagara Mohawk Power Corporation
Superfund Site - Operable Unit 2 Project Area
Saratoga Springs, New York

Well ID	Measurement During or After Gypsum Slurry Injection	Date	Time	Depth to Bottom of Well (feet)	Depth to Water (feet)	Measurement Depth (feet)	H2S (ppm)	% LEL (measured)	% LEL (calculated)	Methane (%)
MW-SS-09-06	Post-Injection	10/1/2024	**Initial Measurements**							
			11:15	19.61	11.4	10.9	0.0	99	- -	- -
			to			9.9	0.0	99	- -	- -
						8.9	0.0	99	- -	- -
						7.9	0.0	99	- -	- -
						6.9	0.0	99	- -	- -
			11:23			5.9	0.0	99	- -	- -
			Measurements Following Well Headspace Evacuation (3.2 Air Volumes)							
			13:27	19.61	11.4	10.9	0.0	17	- -	- -
			to			9.9	0.0	11	- -	- -
						8.9	0.0	4	- -	- -
						7.9	0.0	0	- -	- -
						6.9	0.0	0	- -	- -
						5.9	0.0	0	- -	- -
			13:38			4.9	0.0	0	- -	- -
		10/8/2025	**Initial Measurements**							
			11:17	19.33	11.3	10.8	0.0	- -	>100	7.8
			to			9.8	0.0	- -	>100	7.1
						8.8	0.0	- -	>100	6.2
						7.8	0.0	- -	88	4.4
						6.8	0.0	- -	58	2.9
						5.8	0.0	- -	8	0.4
			11:31			0.5	0.0	- -	0	0.0
			Measurements Following Well Headspace Evacuation (2.9 Air Volumes)							
			11:44	19.33	11.3	10.8	0.0	- -	16	0.8
			to			9.8	0.0	- -	0	0.0
						8.8	0.0	- -	0	0.0
						7.8	0.0	- -	0	0.0
						6.8	0.0	- -	0	0.0
			11:56			0.5	0.0	- -	0	0.0
MW-SS-09-07	Post-Injection	1/26/2022	11:00 to 11:05	19.97	9.1	8.6, 7.6, 6.6, 5.6, 4.6, 3.6, 2.6, 1.6, 0.6, and 0	0.0	0	0	0.0
		5/3/2022	11:40 to 11:45	- -	8.6	8.6, 8, 7, 6, 5, 4, 3, 2, and 1	0.0	0	0	0.0
		7/21/2022	12:07 to 12:12	20.26	9.1	9, 8.1, 7.1, 6.1, 5.1, 4.1, 3.1, 2.1, 1.1, and 0.1	0.0	0	0	0.0
		10/10/2022	10:10 to 10:20	20.3	9.1	9, 8, 7, 6, 5, 4, 3, 2, 1, and 0	0.0	0	- -	- -
		9/19/2023	11:45 to 11:47	20.28	8.9	7.5, 6.5, 5.5, 4.5, 3.5, 2.5, 1.5, and 0.5	0.0	0	0	0.0
		10/1/2024	11:04 to 11:10	11.25	9.0	8.5, 7.5, 6.5, 5.5, 4.5, and 3.5	0 0	0	- -	- -
		10/8/2025	9:55 to 10:05	20.23	10.9	10.4, 9.4, 8.4, 7.4, and 0.5	0.0	- -	0.0	0.0

Table 6
Hydrogen Sulfide, Lower Explosive Limit, and Methane Gas Measurements at Monitoring Wells, Catch Basins, and Manholes In the OU 2 Project Area

Niagara Mohawk Power Corporation
Superfund Site - Operable Unit 2 Project Area
Saratoga Springs, New York

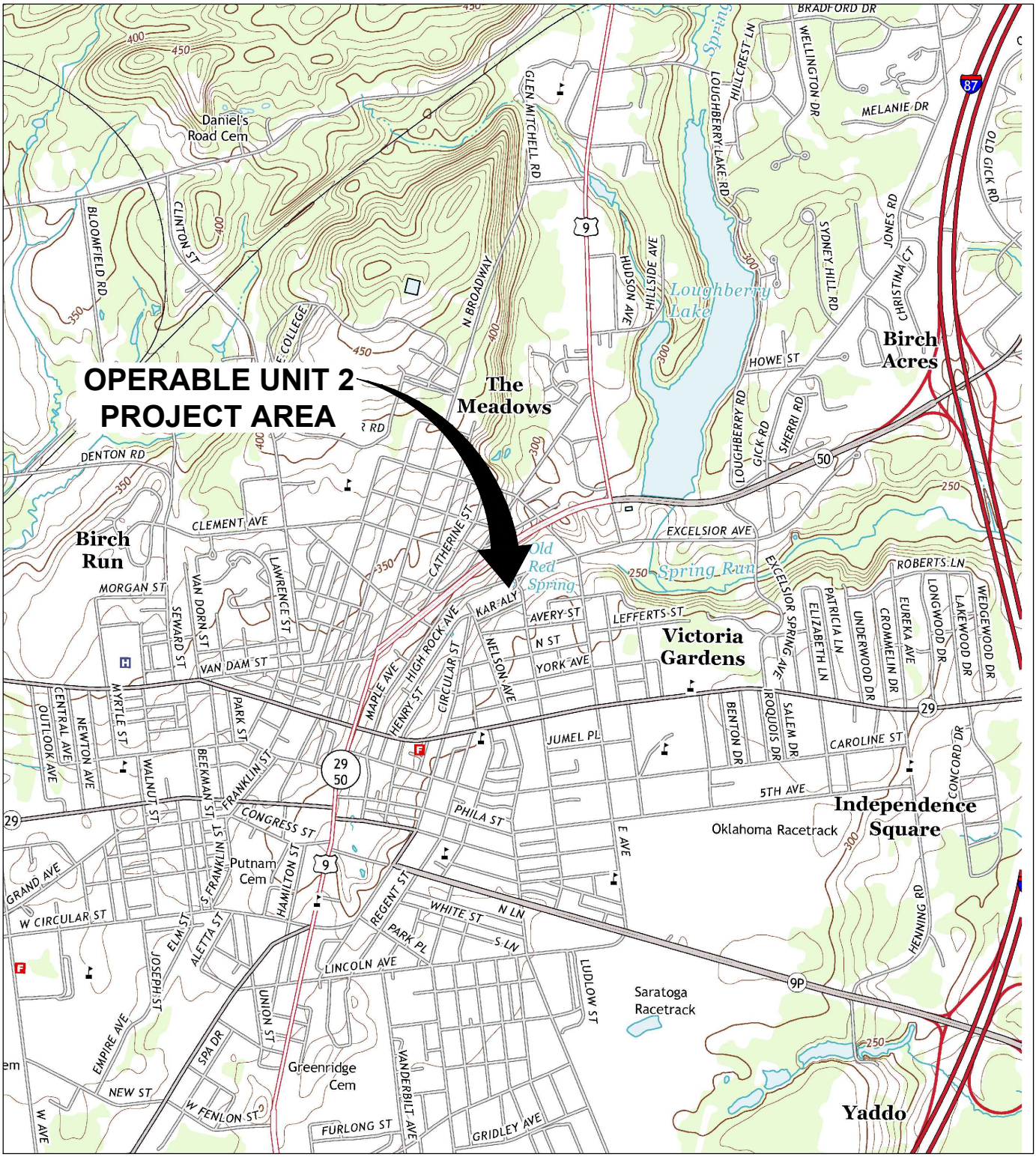
Well ID	Measurement During or After Gypsum Slurry Injection	Date	Time	Depth to Bottom of Well (feet)	Depth to Water (feet)	Measurement Depth (feet)	H2S (ppm)	% LEL (measured)	% LEL (calculated)	Methane (%)
CB-52	Post-Injection	1/26/2022	13:45 to 13:50	4.54	4.5	4, 3, 2, 1, and 0	0.0	0	0	0.0
		5/3/2022	12:30 to 12:35	- -	4.7	4.7, 4.5, 3.5, 2.5, 1.5, and 0	0.0	0	0	0.0
		7/21/2022	15:04 to 15:08	- -	4.9	4.8, 3.9, 2.9, 1.9, 0.9 and 0	0.0	0	0	0.0
		10/10/2022	14:20 to 14:23	- -	5.0	5, 4, 3, 2, 1, and 0	0.0	0	- -	- -
		9/19/2023	11:06 to 11:08	- -	5.0	4.5, 3.5, 2.5, 1.5, and 0.5	0.0	0	0	0.0
		10/1/2024	11:30 to 11:36	- -	5.8	5.3, 4.3, 3.3, 2.3, and 1.3	0.0	0	- -	- -
		10/825	10:10 to 10:15	- -	5.1	4.6, 3.6, and 2.6	0.0	- -	0	0.0
MH-1	Post-Injection	1/26/2022	Inaccessible - Manhole Frozen In-Place							
		7/21/2022	12:43 to 12:47	- -	8.5	8.4, 8, 7, 6, 5, 4, 3, 2, 1, and 0	0.0	0	0	0.0
		10/10/2022	14:25 to 14:30	- -	8.9	8.7, 8, 7, 6, 5, 4, 3, 2, 1, and 0	0.0	0	- -	- -
		9/19/2023	11:03 to 11:05	- -	8.5	8, 7, 6, 5, 4, 3, 2, and 1	0.0	0	0	0.0
		10/1/2024	13:57 to 14:01	- -	8.9	8.4, 7.4, 6.4, and 5.4	0.0	0	- -	- -
		10/8/2025	10:21 to 10:28	- -	9.4	8.9, 7.9, 6.9, 5.9, and 0.5	0.0	- -	0	0.0

Table 6
Hydrogen Sulfide, Lower Explosive Limit, and Methane Gas Measurements at Monitoring Wells, Catch Basins, and Manholes In the OU 2 Project Area

Niagara Mohawk Power Corporation
Superfund Site - Operable Unit 2 Project Area
Saratoga Springs, New York

Notes:
1. Measurements obtained by Arcadis of New York, Inc. (Arcadis) on the dates indicated above.
2. Times shown are approximate.
3. Measurement parameters are as follows: H2S = hydrogen sulfide; % LEL = percent lower explosive limit of methane.
4. ppm = parts per million.
5. - - = not available.
6. Instruments used for monitoring was an RAE QRAE or MultiRAE multi-gas meter.
7. Depth measurements are in feet relative to the top of the inner well casing.
8. * = LEL measurement coincided with startup of the drill rig adjacent to MW-SS-08-08. No subsequent elevated LEL measurements were identified during injection activities.
9. ** = The catch basin was dry and measurements were collected above the catch basin bottom.

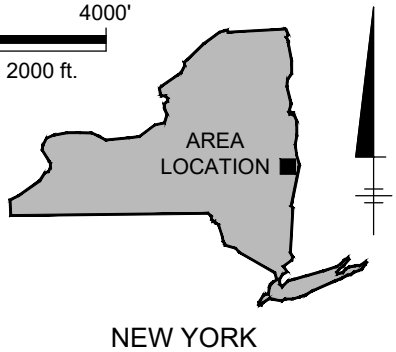
Figures



REFERENCE: BASE MAP USGS 7.5. MIN. TOPO. QUAD., SARATOGA SPRINGS, NY, 2013.

0 2000' 4000'

Approximate Scale: 1 in. = 2000 ft.



NIAGARA MOHAWK POWER CORPORATION
SUPERFUND SITE - OPERABLE UNIT 2
SARATOGA SPRINGS, NEW YORK

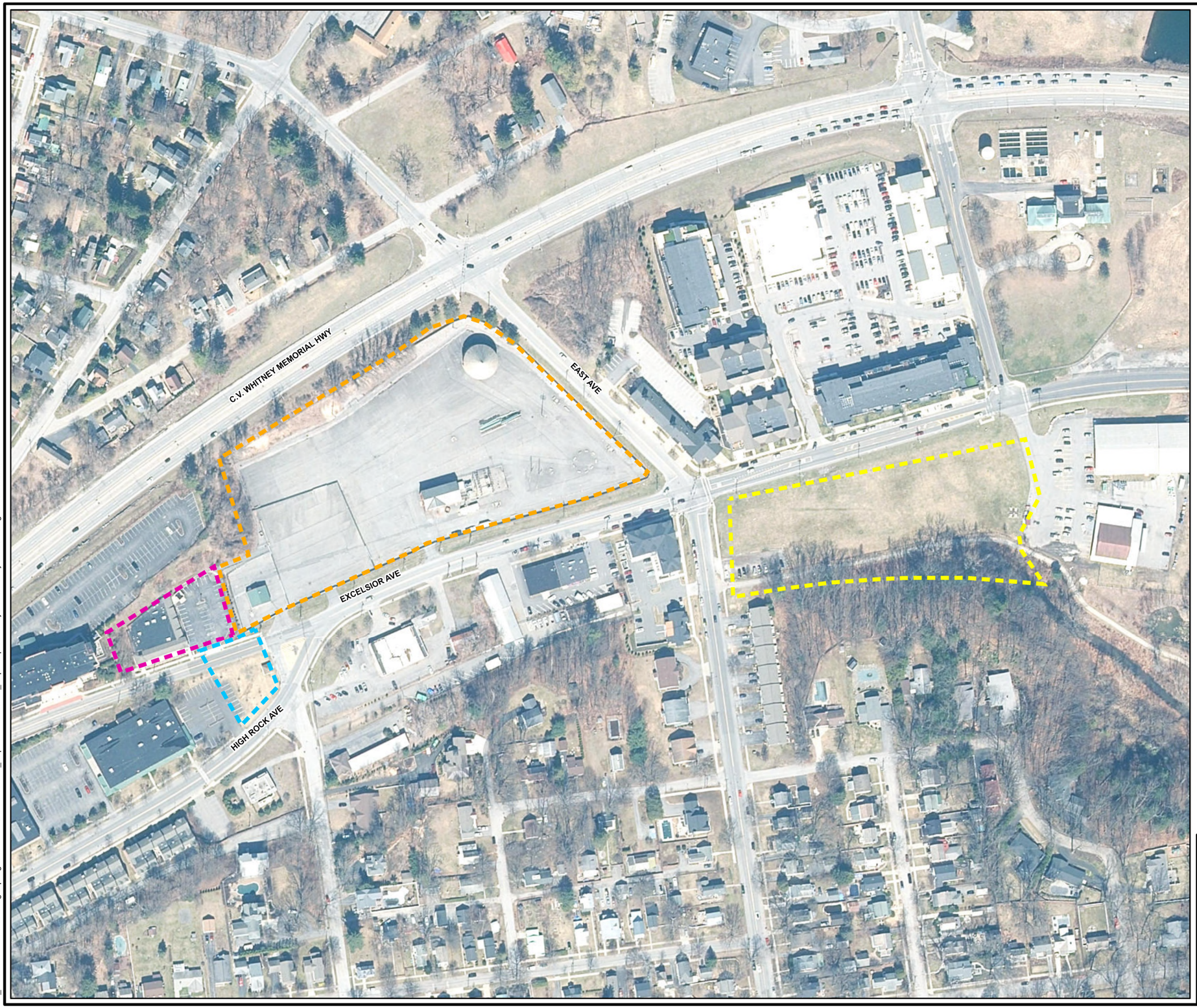
SITE LOCATION MAP

ARCADIS

FIGURE
1

C:\Users\mwasilewski\ACCDocs\Arcadis\AUS-NATIONAL GRID-OU-2-SARATOGA SPRINGS New York\Project Files\2023\01-In Progress\01-DWG\GWMR_OU-2 F01 - SLM.dwg SAVED: 12/23/2021 3:27 PM PLOTTED: 1/20/2023 10:22 AM BY: WASILEWSKI, MATT

XREFS: IMAGES: PROJECTNAME: ---
GWMR-Title Block_Saratoga_Springs_20130222_TM_geo.png



LEGEND:

- NMPC PROPERTY
- FORMER SKATING RINK PROPERTY
- OPERABLE UNIT 2 LIMITS
- SPA STEEL LIMITS

0 200 400 Feet

GRAPHIC SCALE

NOTES:

1. 2019 IMAGERY PROVIDED BY ESRI CLOUD IMAGERY.
2. OPERABLE UNIT 1 INCLUDES THE NMPC PROPERTY, THE FORMER SKATING RINK PROPERTY, FORMER SPA STEEL PROPERTY, AND PORTION OF SPRING RUN CREEK.

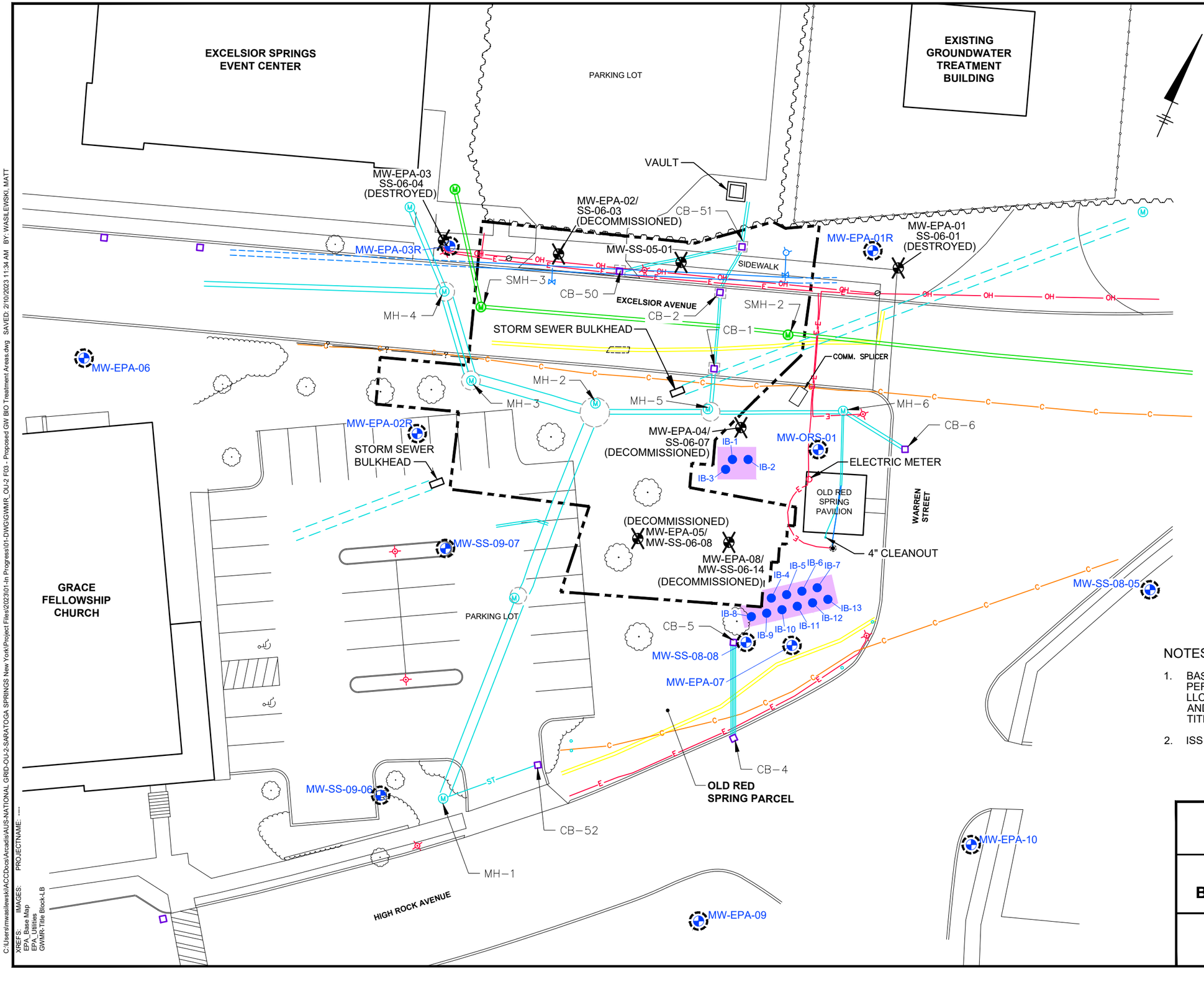
NIAGARA MOHAWK POWER CORPORATION
SUPERFUND SITE - OPERABLE UNIT 2
SARATOGA SPRINGS, NY

SITE LAYOUT

ARCADIS

FIGURE 2

T:_ENV\National\Grid\SaratogaSprings\MGP\ArcPro\AnnualGWM_Report\AnnualGWM_Report.aprx SiteLayout Saved By: ksinsabaugh 3/20/2025 3:04 PM



LEGEND:

- EXISTING MONITORING WELL
- DECOMMISSIONED/DESTROYED MONITORING WELL
- POST-SOIL REMEDY GROUNDWATER MONITORING LOCATION
- APPROXIMATE ISS/ CONTAINMENT AREA
- BUILDING/STRUCTURE
- SHEETPILE WALL
- FENCE
- CATCH BASIN
- SANITARY SEWER MANHOLE
- STORM SEWER MANHOLE
- UTILITY POLE
- ELECTRIC VAULT
- TREE
- APPROXIMATE EXTENT OF ENHANCED BIOREMEDIATION TREATMENT
- INJECTION LOCATION
- OH — OVERHEAD UTILITY LINE
- SANITARY SEWER
- STORM SEWER
- C — UNDERGROUND COMMUNICATION LINE
- GAS MAIN
- E — UNDERGROUND ELECTRIC LINE
- WATER MAIN

NOTES:

1. BASE MAPPING WAS COMPILED FROM A SURVEY PERFORMED BY THOMPSON/ FLEMING LAND SURVEYORS, LLC, SARATOGA SPRINGS, NEW YORK, DATE JULY 8, 2015 AND JULY 20, 2020 AND A FIGURE PROVIDED BY CDM-SMITH TITLED 'SITE PLAN', DATED 11-03-2008 AT A SCALE OF 1"=60'.
2. ISS = IN-SITU SOIL STABILIZATION/ SOLIDIFICATION.

0 30' 60'

GRAPHIC SCALE

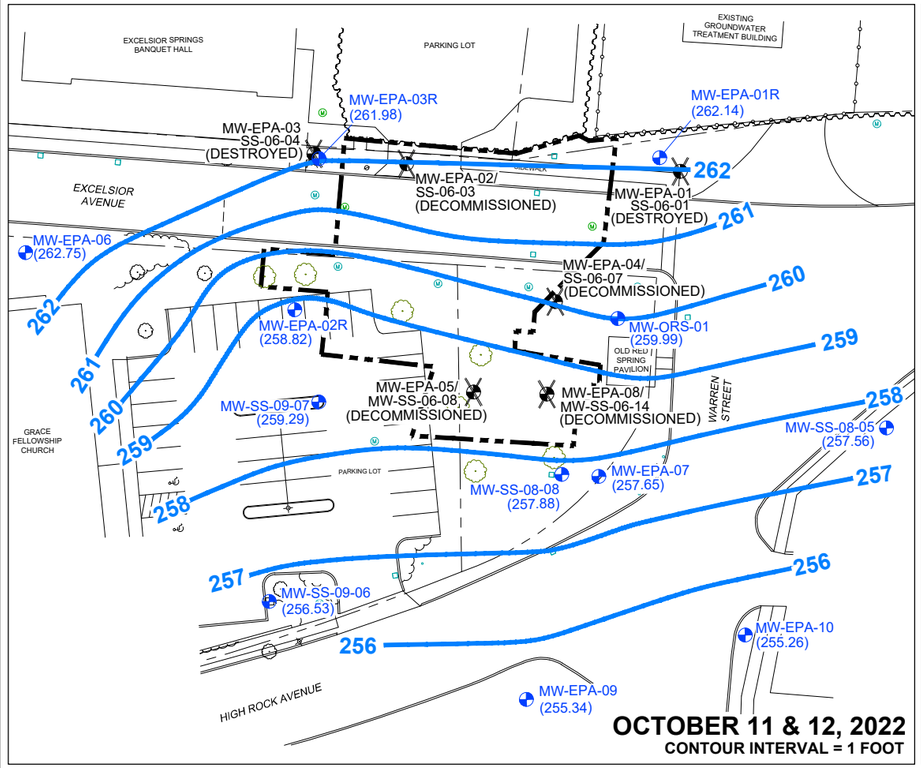
NIAGARA MOHAWK POWER CORPORATION
SUPERFUND SITE - OPERABLE UNIT 2
SARATOGA SPRINGS, NEW YORK

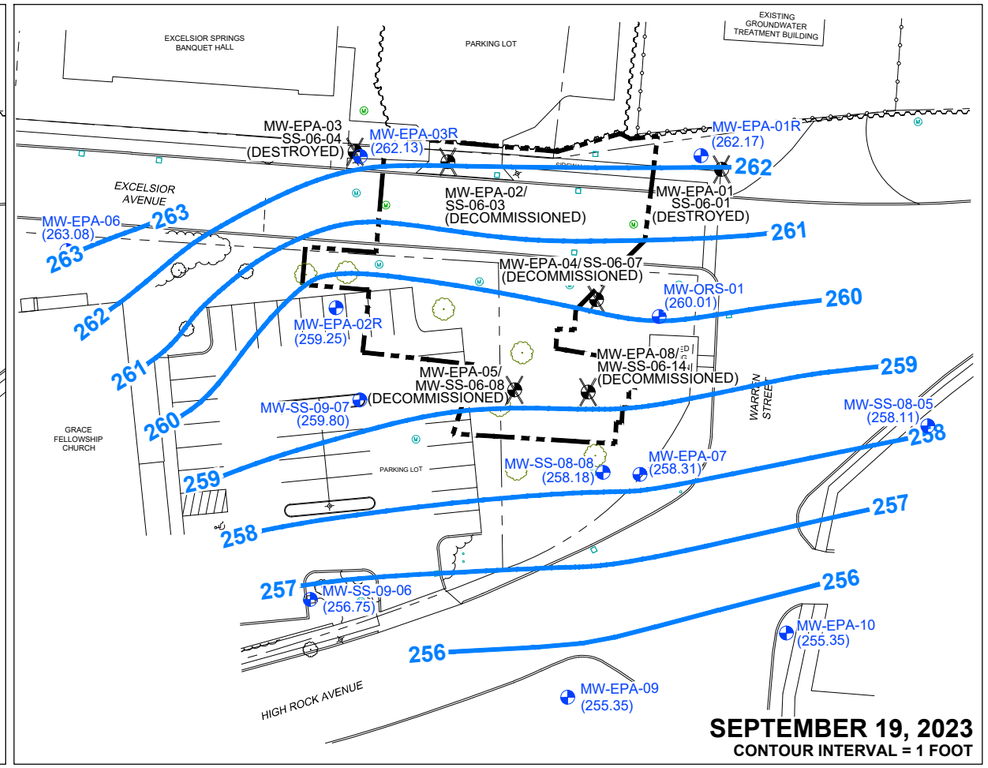
ENHANCED GROUNDWATER BIOREMEDIATION TREATMENT AREA

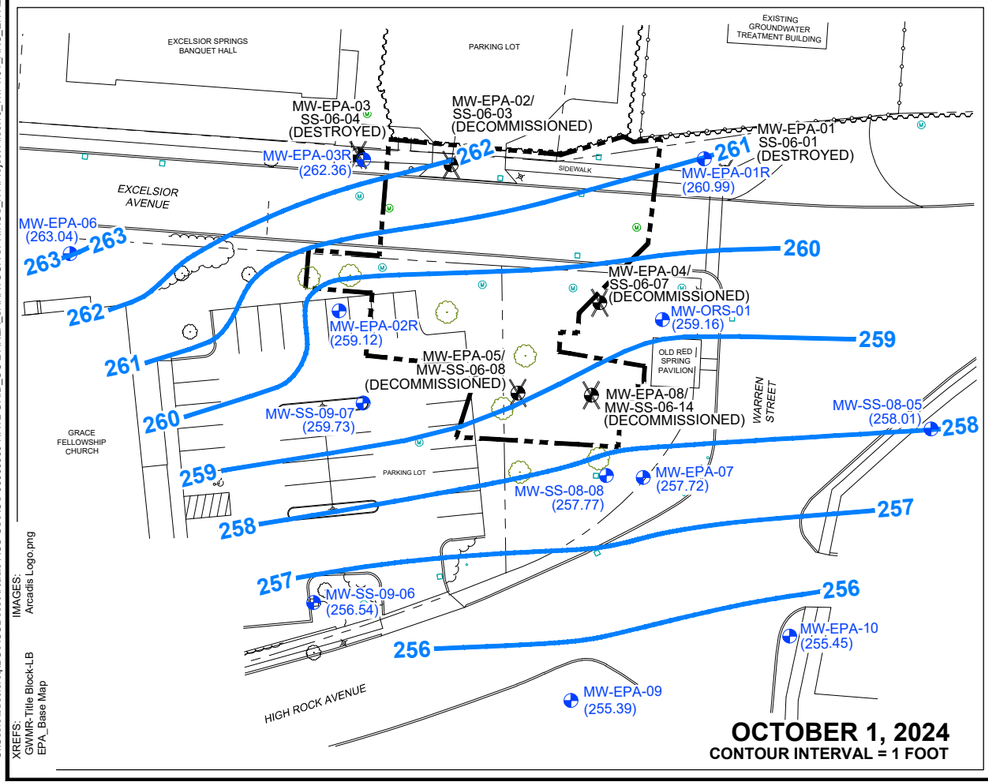
ARCADIS

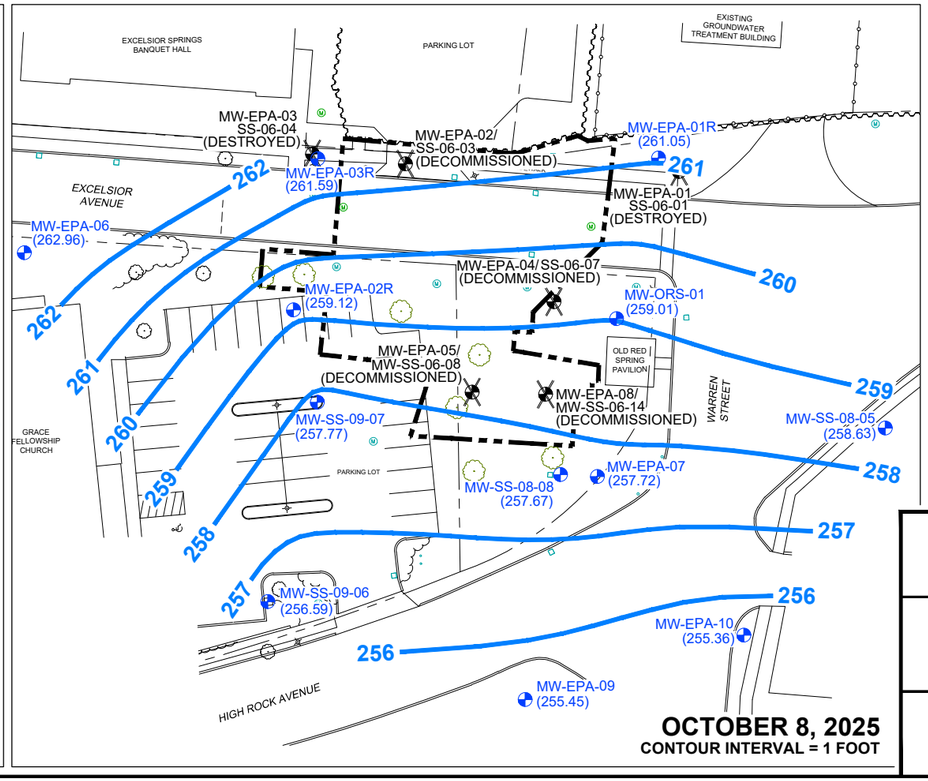
FIGURE 3

C:\Users\mwasilewski\ACCDocs\Arcadis\AUS-NATIONAL GRID-OU-2-SARATOGA SPRINGS New York\Project Files\2023\01-In Progress\01-DWG\GWMR_OU-2 F03 - Proposed GW BIO Treatment Areas.dwg SAVED: 2/10/2023 11:34 AM BY: WASILEWSKI, MATT
XREFS: IMAGES: PROJECTNAME: ---
EPA_Base Map
EPA_Utilities
GWMR-Title Block-LB









LEGEND:

- EXISTING MONITORING WELL
- DECOMMISSIONED/DESTROYED MONITORING WELL
- APPROXIMATE PROPERTY BOUNDARY FOR TAX MAP PARCEL #166.37-1-48
- APPROXIMATE ISS/CONTAINMENT AREA
- BUILDING/STRUCTURE
- SHEETPILE WALL
- FENCE
- CATCH BASIN
- SANITARY SEWER MANHOLE
- STORM SEWER MANHOLE
- UTILITY POLE
- ELECTRIC VAULT
- TREE
- (261.59) GROUNDWATER ELEVATION
- 260 GROUNDWATER CONTOUR

NOTES:

1. BASE MAPPING WAS COMPILED FROM A SURVEY PERFORMED BY THOMPSON/ FLEMING LAND SURVEYORS, LLC, SARATOGA SPRINGS, NEW YORK, DATE JULY 8, 2015 AND JULY 20, 2020 AND A FIGURE PROVIDED BY CDM-SMITH TITLED 'SITE PLAN', DATED 11-03-2008 AT A SCALE OF 1"=60'.
2. ISS = IN-SITU SOIL STABILIZATION/ SOLIDIFICATION.
3. THE LOCATION OF TREES, MANHOLES, AND SIDEWALK IN THE OPERABLE UNIT 2 PROJECT AREA ARE APPROXIMATE.

0 60' 120'

GRAPHIC SCALE

NIAGARA MOHAWK POWER CORPORATION
SUPERFUND SITE - OPERABLE UNIT 2
SARATOGA SPRINGS, NEW YORK

WATER TABLE CONTOURS

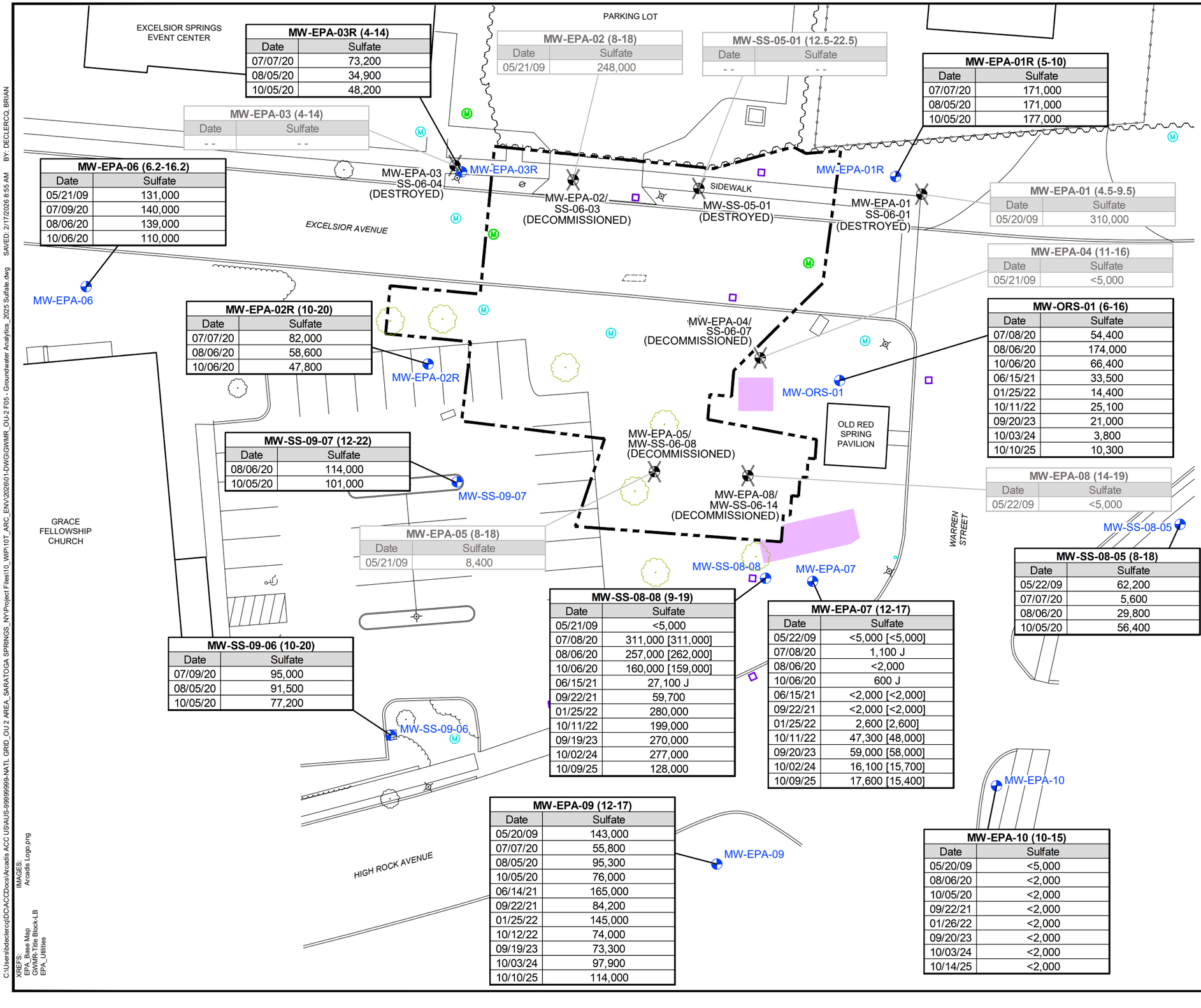
ARCADIS

FIGURE 4

C:\Users\bdeclerco\DC\ACCDocs\Arcadis ACC USAUS-99999999-NATL GRID_OU 2 AREA_SARATOGA SPRINGS_NY\Project Files\10_WIP\10T_ARC_ENV\2026\01-DWG\GWMR_OU-2 F04 - Water Table Contours_2025.dwg SAVED: 2/16/2026 1:23 PM BY: DECLERCQ, BRIAN

IMAGES: Arcadis Logo.png

XREFS: GWMR-Title Block-LB EPA_Base Map



MW-EPA-03R (4-14)	
Date	Sulfate
07/07/20	73,200
08/05/20	34,900
10/05/20	48,200

MW-EPA-02 (8-18)	
Date	Sulfate
05/21/09	248,000

MW-SS-05-01 (12.5-22.5)	
Date	Sulfate
- -	- -

MW-EPA-01R (5-10)	
Date	Sulfate
07/07/20	171,000
08/05/20	171,000
10/05/20	177,000

MW-EPA-03 (4-14)	
Date	Sulfate
- -	- -

MW-EPA-06 (6.2-16.2)	
Date	Sulfate
05/21/09	131,000
07/09/20	140,000
08/06/20	139,000
10/06/20	110,000

MW-EPA-01 (4.5-9.5)	
Date	Sulfate
05/20/09	310,000

MW-EPA-04 (11-16)	
Date	Sulfate
05/21/09	<5,000

MW-EPA-02R (10-20)	
Date	Sulfate
07/07/20	82,000
08/06/20	58,600
10/06/20	47,800

MW-ORS-01 (6-16)	
Date	Sulfate
07/08/20	54,400
08/06/20	174,000
10/06/20	66,400
06/15/21	33,500
01/25/22	14,400
10/11/22	25,100
09/20/23	21,000
10/03/24	3,800
10/10/25	10,300

MW-SS-09-07 (12-22)	
Date	Sulfate
08/06/20	114,000
10/05/20	101,000

MW-EPA-08 (14-19)	
Date	Sulfate
05/22/09	<5,000

MW-EPA-05 (8-18)	
Date	Sulfate
05/21/09	8,400

MW-SS-08-05 (8-18)	
Date	Sulfate
05/22/09	62,200
07/07/20	5,600
08/06/20	29,800
10/05/20	56,400

MW-SS-08-08 (9-19)	
Date	Sulfate
05/21/09	<5,000
07/08/20	311,000 [311,000]
08/06/20	257,000 [262,000]
10/06/20	160,000 [159,000]
06/15/21	27,100 J
09/22/21	59,700
01/25/22	280,000
10/11/22	199,000
09/19/23	270,000
10/02/24	277,000
10/09/25	128,000

MW-EPA-07 (12-17)	
Date	Sulfate
05/22/09	<5,000 [<5,000]
07/08/20	1,100 J
08/06/20	<2,000
10/06/20	600 J
06/15/21	<2,000 [<2,000]
09/22/21	<2,000 [<2,000]
01/25/22	2,600 [2,600]
10/11/22	47,300 [48,000]
09/20/23	59,000 [58,000]
10/02/24	16,100 [15,700]
10/09/25	17,600 [15,400]

MW-SS-09-06 (10-20)	
Date	Sulfate
07/09/20	95,000
08/05/20	91,500
10/05/20	77,200

MW-EPA-09 (12-17)	
Date	Sulfate
05/20/09	143,000
07/07/20	55,800
08/05/20	95,300
10/05/20	76,000
06/14/21	165,000
09/22/21	84,200
01/25/22	145,000
10/12/22	74,000
09/19/23	73,300
10/03/24	97,900
10/10/25	114,000

MW-EPA-10 (10-15)	
Date	Sulfate
05/20/09	<5,000
08/06/20	<2,000
10/05/20	<2,000
09/22/21	<2,000
01/26/22	<2,000
09/20/23	<2,000
10/03/24	<2,000
10/14/25	<2,000

LEGEND:

- EXISTING MONITORING WELL
- DECOMMISSIONED/DESTROYED MONITORING WELL
- APPROXIMATE ISS/CONTAINMENT AREA
- APPROXIMATE EXTENT OF ENHANCED BIOREMEDIATION TREATMENT
- BUILDING/STRUCTURE
- SHEETPILE WALL
- FENCE"
- CATCH BASIN
- SANITARY SEWER MANHOLE
- STORM SEWER MANHOLE
- UTILITY POLE
- ELECTRIC VAULT
- TREE

NOTES:

1. BASE MAPPING WAS COMPILED FROM A SURVEY PERFORMED BY THOMPSON/ FLEMING LAND SURVEYORS, LLC, SARATOGA SPRINGS, NEW YORK, DATE JULY 8, 2015 AND JULY 20, 2020 AND A FIGURE PROVIDED BY CDM-SMITH TITLED 'SITE PLAN', DATED 11-03-2008 AT A SCALE OF 1"=60'.
2. ALL CONCENTRATIONS PRESENTED IN MICROGRAMS PER LITER (ug/L) OR PARTS PER BILLION (ppb).
3. FIELD DUPLICATE SAMPLE RESULTS ARE PRESENTED IN BRACKETS [ ].
4. J = INDICATES THAT THE ASSOCIATED NUMERICAL VALUE IS AN ESTIMATED CONCENTRATION.
5. - - = NOT ANALYZED
6. < = CONSTITUENT NOT DETECTED AT A CONCENTRATION ABOVE THE REPORTED DETECTION LIMIT.
7. GROUNDWATER ANALYTICAL DATA HAVE BEEN VALIDATED.
8. DATA BOXES FOR WELLS THAT WERE DECOMMISSIONED OR DESTROYED ARE SHOWN IN GREY.
9. DATA IN PARENTHESIS AFTER WELL ID INDICATES SCREEN INTERVAL IN FEET BELOW GROUND SURFACE.

0 30' 60'

GRAPHIC SCALE

NIAGARA MOHAWK POWER CORPORATION
SUPERFUND SITE - OPERABLE UNIT 2
SARATOGA SPRINGS, NEW YORK

GROUNDWATER ANALYTICAL RESULTS FOR SULFATE (ppb)

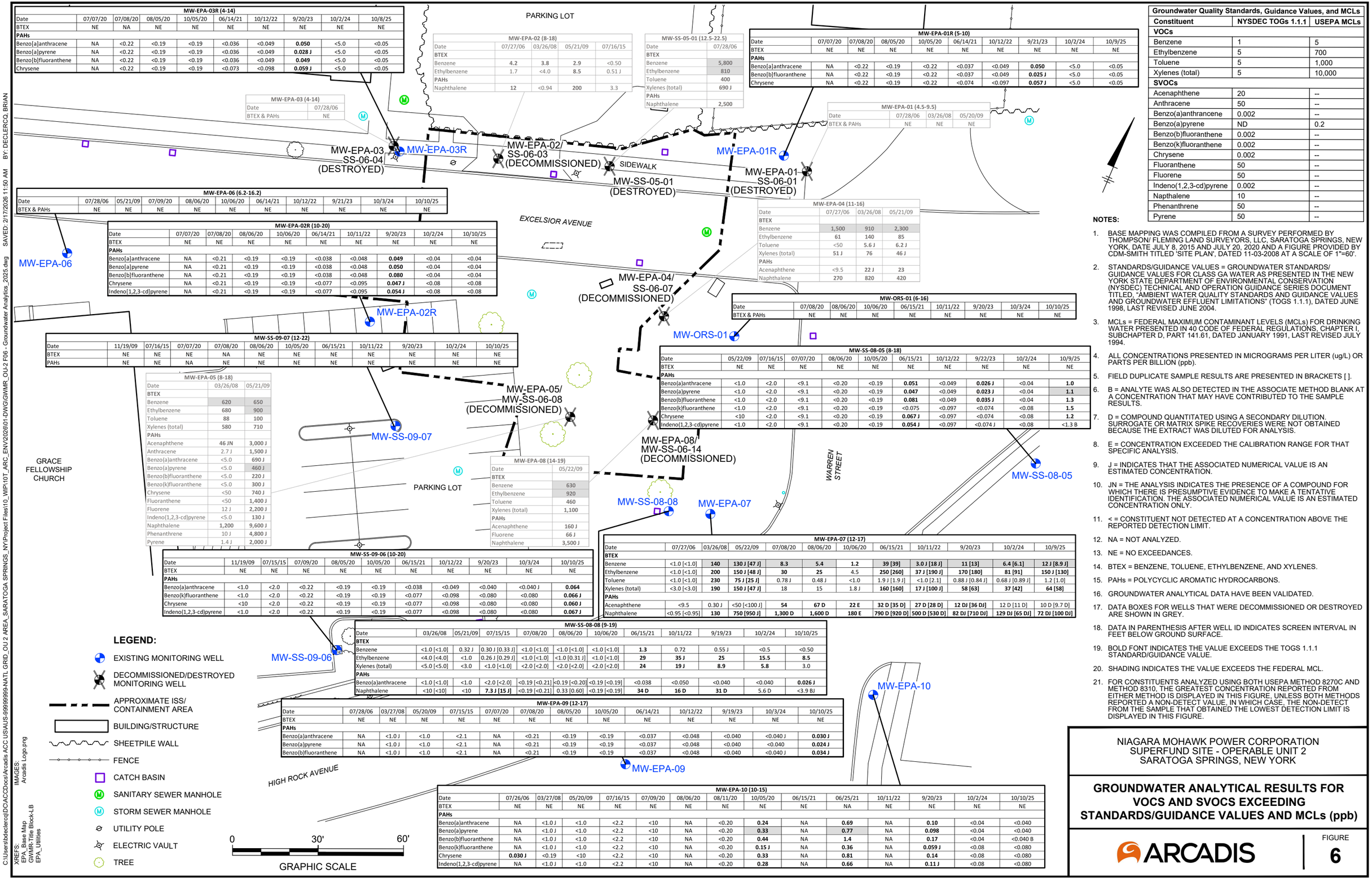
ARCADIS

FIGURE 5

C:\Users\bdeclercq\DC\ACCDocs\Arcadis ACC USAUS-99999999-NATL GRID_OU 2 AREA_SARATOGA SPRINGS_NY\Project Files\10_WIP\10T_ARC_ENV\2026\01-DWG\GWMR_OU-2 F05 - Groundwater Analytics_2025 Sulfate.dwg SAVED: 2/17/2026 8:55 AM BY: DECLERCQ, BRIAN

XREFS:
EPA_Base Map
GWMR-Title Block-LB
EPA_Utilities

IMAGES:
Arcadis Logo.png



Groundwater Quality Standards, Guidance Values, and MCLs		
Constituent	**NYSDEC TOGs 1.1.1**	**USEPA MCLs**
VOCs		
Benzene	1	5
Ethylbenzene	5	700
Toluene	5	1,000
Xylenes (total)	5	10,000
SVOCs		
Acenaphthene	20	--
Anthracene	50	--
Benzo(a)anthrancene	0.002	--
Benzo(a)pyrene	ND	0.2
Benzo(b)fluoranthene	0.002	--
Benzo(k)fluoranthene	0.002	--
Chrysene	0.002	--
Fluoranthene	50	--
Fluorene	50	--
Indeno(1,2,3-cd)pyrene	0.002	--
Napthalene	10	--
Phenanthrene	50	--
Pyrene	50	--

NOTES:

1. BASE MAPPING WAS COMPILED FROM A SURVEY PERFORMED BY THOMPSON/ FLEMING LAND SURVEYORS, LLC, SARATOGA SPRINGS, NEW YORK, DATE JULY 8, 2015 AND JULY 20, 2020 AND A FIGURE PROVIDED BY CDM-SMITH TITLED 'SITE PLAN', DATED 11-03-2008 AT A SCALE OF 1"=60'.
2. STANDARDS/GUIDANCE VALUES = GROUNDWATER STANDARDS/ GUIDANCE VALUES FOR CLASS GA WATER AS PRESENTED IN THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) TECHNICAL AND OPERATION GUIDANCE SERIES DOCUMENT TITLED, "AMBIENT WATER QUALITY STANDARDS AND GUIDANCE VALUES AND GROUNDWATER EFFLUENT LIMITATIONS" (TOGS 1.1.1), DATED JUNE 1998, LAST REVISED JUNE 2004.
3. MCLs = FEDERAL MAXIMUM CONTAMINANT LEVELS (MCLs) FOR DRINKING WATER PRESENTED IN 40 CODE OF FEDERAL REGULATIONS, CHAPTER I, SUBCHAPTER D, PART 141.61, DATED JANUARY 1991, LAST REVISED JULY 1994.
4. ALL CONCENTRATIONS PRESENTED IN MICROGRAMS PER LITER (ug/L) OR PARTS PER BILLION (ppb).
5. FIELD DUPLICATE SAMPLE RESULTS ARE PRESENTED IN BRACKETS [ ].
6. B = ANALYTE WAS ALSO DETECTED IN THE ASSOCIATE METHOD BLANK AT A CONCENTRATION THAT MAY HAVE CONTRIBUTED TO THE SAMPLE RESULTS.
7. D = COMPOUND QUANTITATED USING A SECONDARY DILUTION. SURROGATE OR MATRIX SPIKE RECOVERIES WERE NOT OBTAINED BECAUSE THE EXTRACT WAS DILUTED FOR ANALYSIS.
8. E = CONCENTRATION EXCEEDED THE CALIBRATION RANGE FOR THAT SPECIFIC ANALYSIS.
9. J = INDICATES THAT THE ASSOCIATED NUMERICAL VALUE IS AN ESTIMATED CONCENTRATION.
10. JN = THE ANALYSIS INDICATES THE PRESENCE OF A COMPOUND FOR WHICH THERE IS PRESUMPTIVE EVIDENCE TO MAKE A TENTATIVE IDENTIFICATION. THE ASSOCIATED NUMERICAL VALUE IS AN ESTIMATED CONCENTRATION ONLY.
11. < = CONSTITUENT NOT DETECTED AT A CONCENTRATION ABOVE THE REPORTED DETECTION LIMIT.
12. NA = NOT ANALYZED.
13. NE = NO EXCEEDANCES.
14. BTEX = BENZENE, TOLUENE, ETHYLBENZENE, AND XYLENES.
15. PAHs = POLYCYCLIC AROMATIC HYDROCARBONS.
16. GROUNDWATER ANALYTICAL DATA HAVE BEEN VALIDATED.
17. DATA BOXES FOR WELLS THAT WERE DECOMMISSIONED OR DESTROYED ARE SHOWN IN GREY.
18. DATA IN PARENTHESIS AFTER WELL ID INDICATES SCREEN INTERVAL IN FEET BELOW GROUND SURFACE.
19. BOLD FONT INDICATES THE VALUE EXCEEDS THE TOGS 1.1.1 STANDARD/GUIDANCE VALUE.
20. SHADING INDICATES THE VALUE EXCEEDS THE FEDERAL MCL.
21. FOR CONSTITUENTS ANALYZED USING BOTH USEPA METHOD 8270C AND METHOD 8310, THE GREATEST CONCENTRATION REPORTED FROM EITHER METHOD IS DISPLAYED IN THIS FIGURE. UNLESS BOTH METHODS REPORTED A NON-DETECT VALUE, IN WHICH CASE, THE NON-DETECT FROM THE SAMPLE THAT OBTAINED THE LOWEST DETECTION LIMIT IS DISPLAYED IN THIS FIGURE.

NIAGARA MOHAWK POWER CORPORATION
SUPERFUND SITE - OPERABLE UNIT 2
SARATOGA SPRINGS, NEW YORK

GROUNDWATER ANALYTICAL RESULTS FOR VOCS AND SVOCS EXCEEDING STANDARDS/GUIDANCE VALUES AND MCLs (ppb)

ARCADIS

FIGURE
6

Attachments

Attachment 1

Groundwater Sampling Logs

ARCADIS Low Flow Groundwater Purging and Sampling Form

Page 1 of 1

Project No. 30003948 Well ID MW-OA5-01 Date 10/10

Project Name/Location NG Saratoga Weather 40°

Measuring Pt. Description — Screen Setting (ft-bmp) — Casing Diameter (in.) 2 Well Material X PVC ___ SS

Static Water Level (ft-btoc) 5.74 Total Depth (ft-btoc) 14.57 Water Column/ Gallons in Well 1.38 Wellhead PID Reading (ppm) 0.0

MP Elevation — Pump Intake (ft-btoc) ~10 Purge Method: Peristaltic X Submersible ___ Bladder ___ Sample Method grab

Pump On/Off 0922 Volumes Purged —

Sample Time: Label 1105 Start 0922 End 1035 Replicate/ Code No. — Water Quality Meter Make/Model: — Sampled by AF

Time (approx. 3-5 minute interval)	Minutes Elapsed	Rate 0.05-0.13 (gpm) 200-500 (mL/min)	Depth to Water (ft)	Gallons Purged	pH	Cond. (µMhos) (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C) (°F)	Redox (mV)	Appearance Color	Appearance Odor
0930	0	500	5.94	0	7.22	2.36	0.0	25.09	13.60	-7	C	N
0935	5		6.61	0.25	7.25	2.35	0.0	23.51	15.83	-6		
0940	10		6.64	0.5	7.25	2.37	0.0	14.59	14.05	-6		
0945	15		6.68	0.75	7.25	2.37	0.0	24.86	14.29	-6		
0950	20		6.79	1	7.23	2.42	0.6	19.55	14.65	-5		
0955	25		6.82	1.25	7.23	2.44	0.0	20.14	14.46	-4		
1000	30	↓	6.84	1.6	7.23	2.45	0.0	20.91	14.46	-4		
Approx. value difference b/t 3rd & 2nd to last reading:												
Approx. value difference b/t 2nd to last & final reading:												

Constituents Sampled	Container	Number	Preservative
See COC			

Well Casing Volumes

Gallons/Foot 1" = 0.04 1.25" = 0.06 1.5" = 0.09 2" = 0.16 2.5" = 0.26 3" = 0.37 3.5" = 0.50 4" = 0.65 6" = 1.47

Well Information

Well Location: MW-OA5-01 Well Locked at Arrival: Yes / No

Condition of Well: good Well Locked at Departure: Yes / No

Well Completion: Flush Mount / Stick Up Key Number To Well:

National Grid
Excelsior Ave, Former MGP Site, Saratoga Springs, New York

Sampling Personnel: AS
Date: 10/9/25
Job Number: 0625050-128660-221
Weather: 50°F, sunny
Well Id. **MW-EPA-01R**
Time In: 1220 Time Out: 1315

Well Information

		TOC	Other
Depth to Water:	(feet)	3.76	
Depth to Bottom:	(feet)	9.65	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	5.89	
Volume of Water in Well:	(gal)	0.94	
Three Well Volumes:	(gal)	2.8	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other:
Well Diameter: 1" [ ] 2" [X] Other:
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	other [ ]	
Sampling Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		
Average Pumping Rate:	200 (ml/min)				
Duration of Pumping:	(min)				
Total Volume Removed:	(gal)				

Did well go dry? Yes [ ] No [X]

Horiba U-52 Water Quality Meter Used? Yes [ ] No [X]

Conversion Factors

gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47

1 gallon=3.785L=3785mL=1337cu. feet

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1225	4.41	16.80	6.70	-46	2.41	251	1.13	1.56
1230	Bdow Pump	19.61	6.64	-18	2.23	84.0	2.11	1.42
1235		19.74	6.64	-28	2.34	54.5	1.77	1.49
1240		19.91	6.62	-39	2.47	32.6	1.33	1.58
1245		20.01	6.63	-51	2.59	21.9	1.26	1.65
1250		20.07	6.65	-68	2.73	12.8	0.66	1.75
1255		19.95	6.65	-70	2.74	11.3	0.58	1.76
1300		20.02	6.66	-73	2.76	9.1	0.53	1.76
1305		20.09	6.66	-79	2.78	9.1	0.34	1.78

Sampling Information:

EPA SW-846 Method 8270 SVOC's PAH's
EPA SW-846 Method 8260 VOC's BTEX

2 - 250 mL amber Yes [X] No [ ]
3 - 40 mL vials Yes [X] No [ ]

Sample ID: **MW-EPA-01R** Duplicate? Yes [ ] No [X]
Sample Time: 1310 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [ ]
Fed-Ex [ ] Courier [ ]

Comments/Notes:

Laboratory: Eurofins
Amherst, New York

ARCADIS Low Flow Groundwater Purging and Sampling Form

Page 1 of 1

Project No. 30003945 Well ID MW-EPA-02R Date 10/10/2025

Project Name/Location NG Saratoga Weather 51°F, Sunny

Measuring Pt. Description _____ Screen Setting (ft-bmp) _____ Casing Diameter (in.) 2" Well Material X PVC ___ SS

Static Water Level (ft-btoc) 10.15 Total Depth (ft-btoc) 19.61 Water Column/ Gallons in Well 1.52 Wellhead PID Reading (ppm) 5.2

MP Elevation _____ Pump Intake (ft-btoc) _____ Purge Method: Peristaltic / Submersible / Bladder Sample Method grab

Pump On/Off 1240 / 1325 Volumes Purged ~3.25

Sample Time: Label 1330 Start ~~1330~~ End ~~1345~~ Replicate/ Code No. — Water Quality Meter Make/Model: Horiba FA037 01 Sampled by KC/AF

Time (approx. 3-5 minute interval)	Minutes Elapsed	Rate 0.05-0.13 (gpm) 200-500 (mL/min)	Depth to Water (ft)	Gallons Purged	pH	Cond. (µMhos) (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C) (°F)	Redox (mV)	Appearance Color	Appearance Odor
1240	0		10.15		7.56	3.57	11.1	1.63	19.17	-136	clear	none
1245	5		10.62		7.52	351	12.6	0.86	18.95	-137	clear	none
~~1250~~	10		10.60		7.51	3.44	12.4	0.76	18.73	-137	clear	none
1255	15		10.90		7.47	3.38	13.9	0.70	18.21	-135	clear	none
1300	~~20~~		10.61		7.45	3.30	3.4	0.63	18.47	-134	clear	none
1305	25		10.63		7.42	3.26	8.7	0.78	18.43	-134	clear	none
1310	30		10.73		7.40	3.24	3.3	0.61	18.33	-135	clear	none
1315	35		10.82		7.39	3.18	0.0	0.57	18.60	-136	clear	none
1320	40		10.70		7.37	3.14	0.0	0.55	18.63	-134	clear	none
1325	45		10.80		7.36	3.15	0.0	0.54	18.70	-139	clear	none
Approx. value difference b/t 3rd & 2nd to last reading:												
Approx. value difference b/t 2nd to last & final reading:												

Constituents Sampled	Container	Number	Preservative
See COC			

Well Casing Volumes

Gallons/Foot 1" = 0.04 1.25" = 0.06 1.5" = 0.09 2" = 0.16 2.5" = 0.26 3" = 0.37 3.5" = 0.50 4" = 0.65 6" = 1.47

Well Information

Well Location: _____ Well Locked at Arrival: Yes / No

Condition of Well: _____ Well Locked at Departure: Yes / No

Completion: Flush Mount / Stick Up Key Number To Well: _____

National Grid
Excelsior Ave, Former MGP Site, Saratoga Springs, New York

Sampling Personnel: AJ
Job Number: 0625050-128660-221
Well Id. **MW-EPA-03R**

Date: 10/8/25
Weather: 62°F, mostly sunny
Time In: 1425 Time Out: 1515

Well Information

		TOC	Other
Depth to Water:	(feet)	4.07	
Depth to Bottom:	(feet)	10.77	
Depth to Product:	(feet)	NP	
Length of Water Column:	(feet)	6.70	
Volume of Water in Well:	(gal)	1.07	
Three Well Volumes:	(gal)	3.2	

Well Type: Flushmount [X] Stick-Up [ ]
Well Locked: Yes [X] No [ ]
Measuring Point Marked: Yes [X] No [ ]
Well Material: PVC [X] SS [ ] Other: ____
Well Diameter: 1" [ ] 2" [X] Other: ____
Comments:

Purging Information

Purging Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		
Tubing/Bailer Material:	Teflon [ ]	Stainless St. [ ]	Polyethylene [X]	other [ ]	
Sampling Method:	Bailer [ ]	Peristaltic [ ]	Well Wizard Dedicated Pump [X]		

Average Pumping Rate: 200 (ml/min)
Duration of Pumping: 30 (min)
Total Volume Removed: 2.5 (gal)
Did well go dry? Yes [ ] No [✓]
Horiba U-52 Water Quality Meter Used? Yes [ ] No [X]

Conversion Factors

gal/ft. of water	1" ID	2" ID	4" ID	6" ID
	0.04	0.16	0.66	1.47

1 gallon=3.785L=3785mL=1337cu. feet

Time	DTW (feet)	Temp (°C)	pH (S.U.)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)
1430	5.65	18.23	6.83	-44	3.61	74.3	7.28	2.31
1435	5.65	19.19	6.72	-59	3.59	64.1	6.02	2.29
1440	5.65	19.49	6.71	-63	3.61	46.7	5.44	2.31
1445	5.65	19.89	6.68	-69	3.64	22.8	4.59	2.33
1450	5.65	20.20	6.67	-74	3.63	13.3	3.94	2.33
1455	5.65	20.62	6.67	-78	3.63	9.8	3.41	2.32
1500	5.65	20.94	6.68	-83	3.61	6.2	2.92	2.31

Sampling Information:

EPA SW-846 Method 8270 SVOC's PAH's
EPA SW-846 Method 8260 VOC's BTEX

2 - 250 mL amber Yes [X] No [ ]
3 - 40 mL vials Yes [X] No [ ]

Sample ID: **MW-EPA-03R** Duplicate? Yes [ ] No [X]
Sample Time: 1505 MS/MSD? Yes [ ] No [X]

Shipped: Syracuse Service Center [ ]
Fed-Ex [ ] Courier [ ]

Comments/Notes:

Laboratory: Eurofins Amherst, New York

ARCADIS Low Flow Groundwater Purging and Sampling Form

Page 1 of 1

Project No. 30003245 Well ID MW-EPA-06 Date 10/17

Project Name/Location NG Saratoga Weather 50 °F

Measuring Pt. Description — Screen Setting (ft-bmp) — Casing Diameter (in.) 1 Well Material X PVC ___ SS

Static Water Level (ft-btoc) 6.79 Total Depth (ft-btoc) 14.78 Water Column/ Gallons in Well 0.32 Wellhead PID Reading (ppm) —

MP Elevation — Pump Intake (ft-btoc) ~10' Purge Method: Peristatic X Submersible — Bladder — Sample Method grab

Pump On/Off ~~1340~~ Volumes Purged — Water Quality Meter Make/Model: — Sampled by AF

Sample Time: Label 1415 Start ~~1350~~ End — Replicate/ Code No. —

Time (approx. 3-5 minute interval)	Minutes Elapsed	Rate 0.05-0.13 (gpm) 200-500 (mL/min)	Depth to Water (ft)	Gallons Purged	pH	Cond. (µMhos) (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C) (°F)	Redox (mV)	Appearance Color	Appearance Odor
13:40	0	300	6.79	0	7.32	3.69	129	6.59	18.56	-45	Slight brown	none
13:45	5		6.60	.3	7.32	3.89	13.7	5.51	18.66	-30	clear	none
13:50	10		6.65	.5	7.32	3.94	5.7	3.10	18.55	-16	clear	none
13:55	15		6.76	.8	7.32	3.91	5.1	1.80	19.09	-5		
14:00	20		6.81	1.2	7.32	3.91	3.8	1.76	19.25	-4		
14:05	25		6.82	1.7	7.32	3.91	5.9	1.46	17.41	0		
14:10	30		6.82	2	7.32	3.89	5.4	1.39	19.46	0		
14:15	35		6.84	2.3	7.32	3.91	5.7	1.42	19.45	0		
Approx. value difference b/t 3rd & 2nd to last reading:												
Approx. value difference b/t 2nd to last & final reading:												

Constituents Sampled	Container	Number	Preservative
~~Sol~~ COC			

Well Casing Volumes

Gallons/Foot: 1" = 0.04; 1.25" = 0.06; 1.5" = 0.09; 2" = 0.16; 2.5" = 0.26; 3" = 0.37; 3.5" = 0.50; 4" = 0.65; 6" = 1.47

Well Information

Well Location:	MW-EPA-06	Well Locked at Arrival:	Yes / No
Condition of Well:	Good	Well Locked at Departure:	Yes / No
Well Completion:	Flush Mount / Stick Up	Key Number To Well:	

ARCADIS Low Flow Groundwater Purging and Sampling Form

Page 1 of 1

Project No. 30003945 Well ID MW-EPA-07 Date 10/9/25

Project Name/Location NG Saratoga Weather 50°F Sunny

Measuring Pt. Description TOC Screen Setting (ft-bmp) _____ Casing Diameter (in.) 1 Well Material ___PVC ___SS

Static Water Level (ft-btoc) 7.53 Total Depth (ft-btoc) 16.30 Water Column/ Gallons in Well 0.35 Wellhead PID Reading (ppm) 0.0

MP Elevation _____ Pump Intake (ft-btoc) _____ Purge Method: (Peristaltic) Submersible Bladder Sample Method grab

Pump On/Off 11:01 Volumes Purged _____

Sample Time: Label 12:05 Start 12:05 End _____ Replicate/ Code No. DUP 10092025 MSD 10092025 MS 10092025 Water Quality Meter Make/Model: Horiba Sampled by KK

Time (approx. 3-5 minute interval)	Minutes Elapsed	Rate 0.05-0.13 (gpm) 200-500 (mL/min)	Depth to Water (ft)	Gallons Purged	pH	Cond. (~~µMhos~~ mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C) (°F)	Redox (mV)	Appearance Color	Appearance Odor
11:01	0		7.53		6.40	2.49	3.4	8.52	16.59	-31	clear	none
11:06	5		8.15		6.44	2.52	0.0	6.49	16.02	-51	clear	none
11:11	10		8.23		6.46	2.51	0.0	5.44	15.90	-59	clear	none
11:16	15		8.20		6.47	2.50	0.0	4.52	15.86	-65	clear	none
11:21	20		8.23		6.48	2.51	0.0	3.77	15.85	-68	clear	none
11:26	25		8.31		6.48	2.50	0.0	3.07	15.85	-72	clear	none
11:31	30		8.36		6.49	2.49	0.0	3.03	15.88	-74	clear	none
11:36	35		8.42		6.49	2.49	0.0	2.21	15.91	-76	clear	none
11:41	40		8.46		6.50	2.49	0.0	1.88	15.95	-78	clear	none
11:46	45		8.45		6.50	2.49	0.0	1.74	15.94	-79	clear	none
11:51	50		8.47		6.50	2.50	0.0	0.78	15.99	-81	clear	none
11:56	55		8.43		6.51	2.49	0.0	0.72	15.92	-81	clear	none
12:01	60		8.40		6.51	2.50	0.0	0.81	15.87	-83	clear	none
Approx. value difference b/t 3rd & 2nd to last reading:												
Approx. value difference b/t 2nd to last & final reading:												

Constituents Sampled	Container	Number	Preservative
see COC			

Well Casing Volumes

Gallons/Foot 1" = 0.04 1.25" = 0.06 1.5" = 0.09 2" = 0.16 2.5" = 0.26 3" = 0.37 3.5" = 0.50 4" = 0.65 6" = 1.47

Well Information

Well Location: _____ Well Locked at Arrival: Yes / No

Condition of Well: _____ Well Locked at Departure: Yes / No

Well Completion: Flush Mount / Stick Up Key Number To Well: _____

ARCADIS Low Flow Groundwater Purging and Sampling Form

Page 1 of 1

Project No. 30003945 Well ID MW-EPA-09 Date 10/10/25

Project Name/Location NG Saratoga Weather 35°F Sunny

Measuring Pt. Description TOC Screen Setting (ft-bmp) Casing Diameter (in.) 1" Well Material X PVC ___ SS

Static Water Level (ft-btoc) 10.27 Total Depth (ft-btoc) 17.12 Water Column/ Gallons in Well 0.27 Wellhead PID Reading (ppm) 0.0

MP Elevation Pump Intake (ft-btoc) Purge Method: Sample Method grab

Pump On/Off 0930 Volumes Purged ~4gal (Peristaltic) Submersible Bladder

Sample Time: Label 10:10 Start 10:10 End 11:26 Replicate/ Code No. Water Quality Meter Make/Model: Horiba FA03701 Sampled by KK/AF

Time (approx. 3-5 minute interval)	Minutes Elapsed	Rate 0.05-0.13 (gpm) 200-500 (mL/min)	Depth to Water (ft)	Gallons Purged	pH	Cond. (µMhos) (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C) (°F)	Redox (mV)	Appearance Color	Appearance Odor
0935	0		10.27		7.25	3.10	13.2	3.38	16.20	-58	clear	none
0940	5		10.31		7.22	2.95	10.9	1.28	17.45	-71	clear	none
0945	10		10.30		7.15	2.93	0.0	0.91	17.61	-74	clear	none
0950	15		10.32		7.11	2.92	0.0	0.73	17.73	-77	clear	none
0955	20		10.31		7.09	2.91	0.0	0.65	17.80	-79	clear	none
1000	25		10.30		7.09	2.91	0.0	0.58	17.83	-81	clear	none
1005	30		10.31		7.08	2.91	0.0	0.63	17.75	-83	clear	none
Approx. value difference b/t 3rd & 2nd to last reading:												
Approx. value difference b/t 2nd to last & final reading:												

Constituents Sampled	Container	Number	Preservative
See COC			

Well Casing Volumes

Gallons/Foot: 1" = 0.04; 1.25" = 0.06; 1.5" = 0.09; 2" = 0.16; 2.5" = 0.26; 3" = 0.37; 3.5" = 0.50; 4" = 0.65; 6" = 1.47

Well Information

Well Location: Well Locked at Arrival: Yes / No

Condition of Well: Well Locked at Departure: Yes / No

Well Completion: Flush Mount / Stick Up Key Number To Well:

ARCADIS **Low Flow Groundwater Purging and Sampling Form**

Page 1 of 1

Project No. 30003943 Well ID MW-EPA-10 Date 10/9/25-10/10/25

Project Name/Location NG Saratoga Weather 50°F Sunny

Measuring Pt. Description TOC Screen Setting (ft-bmp) _____ Casing Diameter (in.) 1 Well Material ___PVC ___SS

Static Water Level (ft-btoc) 11.40 Total Depth (ft-btoc) 15.06 Water Column/ Gallons in Well 0.15 Wellhead PID Reading (ppm) 0.0

MP Elevation _____ Pump Intake (ft-btoc) _____ Purge Method: (Peristaltic) / Submersible / Bladder Sample Method grab

Pump On/Off 09/5/10938 Volumes Purged >0.15 Water Quality Meter Make/Model: Horiba Sampled by KK

Sample Time: Label 0835 Start _____ End _____ Replicate/ Code No. —

10/9/25

Time (approx. 3-5 minute interval)	Minutes Elapsed	Rate 0.05-0.13 (gpm) 200-500 (mL/min)	Depth to Water (ft)	Gallons Purged	pH	Cond. (µMhos) (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C) (°F)	Redox (mV)	Appearance Color	Appearance Odor
0920	0		11.40	>0.15	6.09	1.55	5.23	5.18	12.25	8	Slight Brown	none
0925	5		13.13	>0.15	6.54	1.49	985	6.80	12.50	-41	Slight Brown	none
0930	10		13.82	>0.15	6.82	1.63	615	7.28	12.95	-60	Slight Brown	none
0935	15		14.00	>0.15	7.00	0.905	584	7.70	13.89	-70	Slight	none

* Purged dry 10/9/25 @ 0937, will sample tomorrow morning

* Sampled MW-11 for BTEX and filled ½ PAH bottle 10/10/25 0935 CDTW 11.43' before sampling DO 0.0, not enough to get parameters and samples

* 10/10/25 15:00 MW-EPA-10 still dry, only able to get BTEX and ½ bottle PAH samples

* 10/11/25 10:00 collected Sulfate, Sulfide, iron and manganese, Alkalinity, nitrate, TPHGRO, TOC, TPHDRO, SGCTPH Methane, samples w/ bailer, well went dry before TKN sample could be collected

Approx. value difference b/t 3rd & 2nd to last reading:

Approx. value difference b/t 2nd to last & final reading:

Constituents Sampled	Container	Number	Preservative
See COC			

Well Casing Volumes

Gallons/Foot 1" = 0.04 1.25" = 0.06 1.5" = 0.09 2" = 0.16 2.5" = 0.26 3" = 0.37 3.5" = 0.50 4" = 0.65 6" = 1.47

Well Information

Well Location: _____ Well Locked at Arrival: Yes / No

Condition of Well: _____ Well Locked at Departure: Yes / No

Well Completion: Flush Mount / Stick Up Key Number To Well: _____

ARCADIS Low Flow Groundwater Purging and Sampling Form

Page 1 of 1

Project No. NO Saratoga | Well ID MW-SS-08.5 | Date 10/9

Project Name/Location 30003945 | Weather 60°F

Measuring Pt. Description —

Screen Setting (ft-bmp) —

Casing Diameter (in.) 2

Well Material X PVC ___ SS

Static Water Level (ft-btoc) 7.50

Total Depth (ft-btoc) 17.31

Water Column/ Gallons in Well 1.57

Wellhead PID Reading (ppm) 0.2

MP Elevation —

Pump Intake (ft-btoc) —

Purge Method: Peristaltic X / Submersible ___ / Bladder ___

Sample Method grab

Pump On/Off 0910 / 1005

Volumes Purged —

Sample Time: Label 0945 / Start 0910 / End 1005

Replicate/ Code No. —

Water Quality Meter Make/Model: ✓

Sampled by AF

Time (approx. 3-5 minute interval)	Minutes Elapsed	Rate 0.05-0.13 (gpm) 200-500 (mL/min)	Depth to Water (ft)	Gallons Purged	pH	Cond. (µMhos) (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C) (°F)	Redox (mV)	Appearance Color	Appearance Odor
0910	0	300	7.50	0	6.57	1.51	19.2	2.42	17.05	201	C	N
0915	5		8.30	.25	6.74	1.13	1.0	5.17	18.21	195		
0920	10		8.71	.6	6.66	1.30	0	4.63	18.89	189		
0925	15		8.96	.85	6.69	1.20	0	4.75	18.91	187		
0930	20		9.27	1	6.69	1.19	0	4.82	18.97	189		
0935	25		9.46	1.75	6.71	1.21	0	4.81	19.16	188		
0940	30		9.46	2	6.71	1.23	0	4.81	19.37	184		
Approx. value difference b/t 3rd & 2nd to last reading:												
Approx. value difference b/t 2nd to last & final reading:												

Constituents Sampled	Container	Number	Preservative
see COC			

Well Casing Volumes

Gallons/Foot: 1" = 0.04 | 1.25" = 0.06 | 1.5" = 0.09 | 2" = 0.16 | 2.5" = 0.26 | 3" = 0.37 | 3.5" = 0.50 | 4" = 0.65 | 6" = 1.47

Well Information

Well Location:	MW-SS-08-8.5	Well Locked at Arrival:	Yes / No
Condition of Well:	good	Well Locked at Departure:	Yes / No
Well Completion:	Flush Mount / Stick Up	Key Number To Well:	

N/A

ARCADIS Low Flow Groundwater Purging and Sampling Form

Page 1 of 1

Project No. NG Saratoga 30003945 Well ID ~~MW-55-08-08~~

Project Name/Location

Date 10/9

Weather 50°F Sunny

Measuring Pt. Description —

Screen Setting (ft-bmp) —

Casing Diameter (in.) 2

Well Material X PVC ___ SS

Static Water Level (ft-btoc) 7.77

Total Depth (ft-btoc) 20.23

Water Column/ Gallons in Well

Wellhead PID Reading (ppm) 0.0

MP Elevation —

Pump Intake (ft-btoc) —

Purge Method: grab Peristaltic X Submersible ___ Bladder ___

Sample Method grab

Pump On/Off 1115

Volumes Purged —

Sample Time: Label 1210 Start 1130 End 1240

Replicate/ Code No.

Water Quality Meter Make/Model:

Sampled by AF

Time (approx. 3-5 minute interval)	Minutes Elapsed	Rate 0.05-0.13 (gpm) 200-500 (mL/min)	Depth to Water (ft)	Gallons Purged	pH	Cond. (µMhos) (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C) (°F)	Redox (mV)	Appearance Color	Appearance Odor
1130	0	300	8.76	0.0	6.82	1.16	0.0	10.89	15.07	-54	C	N
1135	5	300	9.82	~~0.25~~	6.77	1.18	0.0	10.77	15.03	-54	C	N
1140	10	300	7.80	~~0.75~~	6.78	1.19	0.0	10.88	15.05	-54	C	N
1145	15	300	8.50	0.75	6.72	1.31	0.0	9.92	15.45	-54	C	N
1150	20	300	8.41	1	6.70	1.39	0.0	9.54	15.48	-55	C	N
1155	25	300	8.31	1.3	6.67	1.5	0.0	5.11	15.67	-58	C	N
1200	30	300	8.31	2	6.68	1.61	0.0	5.29	15.67	-64	C	N
1205	35	300	8.32	2.3	6.70	1.67	0.0	5.21	15.67	-66	C	N
Approx. value difference b/t 3rd & 2nd to last reading:												
Approx. value difference b/t 2nd to last & final reading:												

Constituents Sampled	Container	Number	Preservative
SIMP	Amber	2	NP
SU COC			

Well Casing Volumes

Gallons/Foot 1" = 0.04 1.25" = 0.06 1.5" = 0.09 2" = 0.16 2.5" = 0.26 3" = 0.37 3.5" = 0.50 4" = 0.65 6" = 1.47

Well Information

Well Location:	MW-55-08-08	Well Locked at Arrival:	Yes / No
Condition of Well:	Good	Well Locked at Departure:	Yes / No
Well Completion:	Flush Mount / Stick Up	Key Number To Well:	

ARCADIS **Low Flow Groundwater Purging and Sampling Form**

Page 1 of 1

Project No. 30009945 Well ID MW-SS-09-06 Date 10/10

Project Name/Location NS Saratoga Weather 50°F

Measuring Pt. Description — Screen Setting (ft-bmp) — Casing Diameter (in.) 2 Well Material X PVC ___ SS

Static Water Level (ft-btoc) 11.66 Total Depth (ft-btoc) 19.33 Water Column/ Gallons in Well 1.23 Wellhead PID Reading (ppm) ___

MP Elevation — Pump Intake (ft-btoc) ~15' Purge Method: Peristaltic X Submersible ___ Bladder ___ Sample Method grab

Pump On/Off 1430 / Volumes Purged ___

Sample Time: Label 1510 Start 1430 End ___ Replicate/ Code No. ___ Water Quality Meter Make/Model: ___ Sampled by AF

Time (approx. 3-5 minute interval)	Minutes Elapsed	Rate 0.05-0.13 (gpm) 200-500 (mL/min)	Depth to Water (ft)	Gallons Purged	pH	Cond. (µMhos) (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C) (°F)	Redox (mV)	Appearance Color	Appearance Odor
1435	0	300	11.66	0	7.33	3.93	36.9	2.26	19.59	-83	C	N
1440	5		11.89	0.5	7.26	3.85	13.5	1.61	19.33	-102		
1445	10		11.93	0.6	7.40	3.61	9.7	3.65	19.66	-103		
1450	15		11.92	1	7.41	3.73	10.0	3.80	19.65	-103		
1455	20		11.91	1.23	7.53	3.78	0.0	5.02	19.25	-104		
1500	25		11.93	1.5	7.56	3.78	0.0	5.21	19.29	-105		
1505	30	↓	11.94	1.8	7.58	3.77	0.0	5.34	19.35	-106		
Approx. value difference b/t 3rd & 2nd to last reading:												
Approx. value difference b/t 2nd to last & final reading:												

Constituents Sampled	Container	Number	Preservative
See COC			

Well Casing Volumes

Gallons/Foot 1" = 0.04 1.25" = 0.06 1.5" = 0.09 2" = 0.16 2.5" = 0.26 3" = 0.37 3.5" = 0.50 4" = 0.65 6" = 1.47

Well Information

Well Location: MW-SS-09-06 Well Locked at Arrival: Yes / No

Condition of Well: good Well Locked at Departure: Yes / No

Well Completion: Flush Mount / Stick Up Key Number To Well: ___

ARCADIS Low Flow Groundwater Purging and Sampling Form

Page 1 of 1

Project No. 30053945 Well ID MW-SS-09-07 Date 10/10

Project Name/Location NG Saratoga Weather 45°F

Measuring Pt. Description — Screen Setting (ft-bmp) — Casing Diameter (in.) 2 Well Material X PVC ___ SS

Static Water Level (ft-btoc) 9.19 Total Depth (ft-btoc) 20.23 Water Column/ Gallons in Well 1.77 Wellhead PID Reading (ppm) 34.6

MP Elevation — Pump Intake (ft-btoc) 15' Purge Method: Peristaltic X Submersible ___ Bladder ___ Sample Method grab

Pump On/Off 1125/ Volumes Purged —

Sample Time: Label 1200 Start 1125 End ___ Replicate/ Code No. — Water Quality Meter Make/Model: — Sampled by AF

Time (approx. 3-5 minute interval)	Minutes Elapsed	Rate 0.05-0.13 (gpm) 200-500 (mL/min)	Depth to Water (ft)	Gallons Purged	pH	Cond. (µMhos) (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C) (°F)	Redox (mV)	Appearance Color	Appearance Odor
1125	0	300	9.17	0	7.38	4.56	0.0	17.95	19.31	-36	C	W
1130	5		10.64	0.25	7.31	4.60	0.0	13.20	19.39	-32		
1135	10		10.69	0.5	7.31	4.60	0.0	12.91	19.46	-32		
1140	15		10.64	0.8	7.29	4.59	0.0	12.49	19.33	-31		
1145	20		10.69	1	7.28	4.57	0.0	12.24	19.32	-31		
1150	25		10.67	1.3	7.27	4.59	0.0	12.17	19.35	-30		
1155	30	↓	10.05	1.7	7.26	4.59	0.0	11.94	19.40	-30		
Approx. value difference b/t 3rd & 2nd to last reading:												
Approx. value difference b/t 2nd to last & final reading:												

Constituents Sampled	Container	Number	Preservative
See COC			

Well Casing Volumes

Gallons/Foot 1" = 0.04 1.25" = 0.06 1.5" = 0.09 2" = 0.16 2.5" = 0.26 3" = 0.37 3.5" = 0.50 4" = 0.65 6" = 1.47

Well Information

Well Location: MW-SS-09-07 Well Locked at Arrival: Yes / No

Condition of Well: good Well Locked at Departure: Yes / No

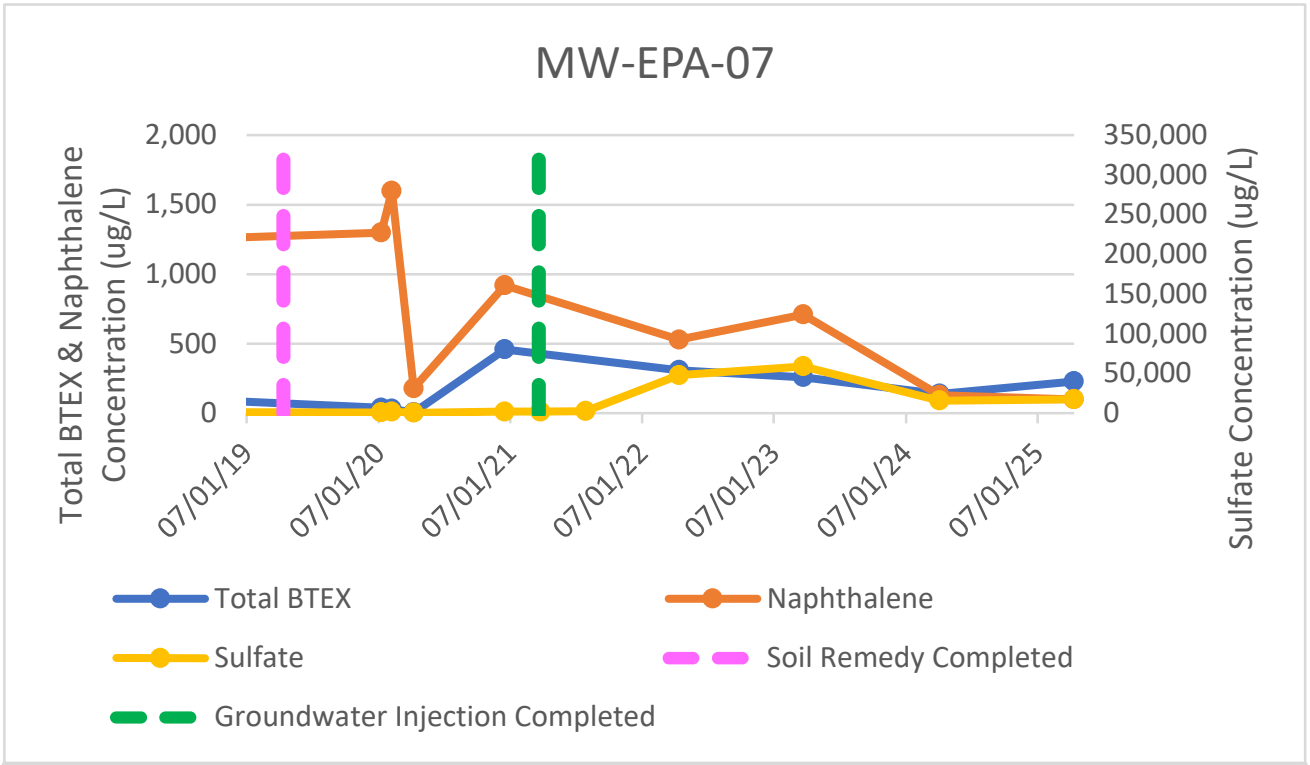
Well Completion: (Flush Mount) / Stick Up Key Number To Well:

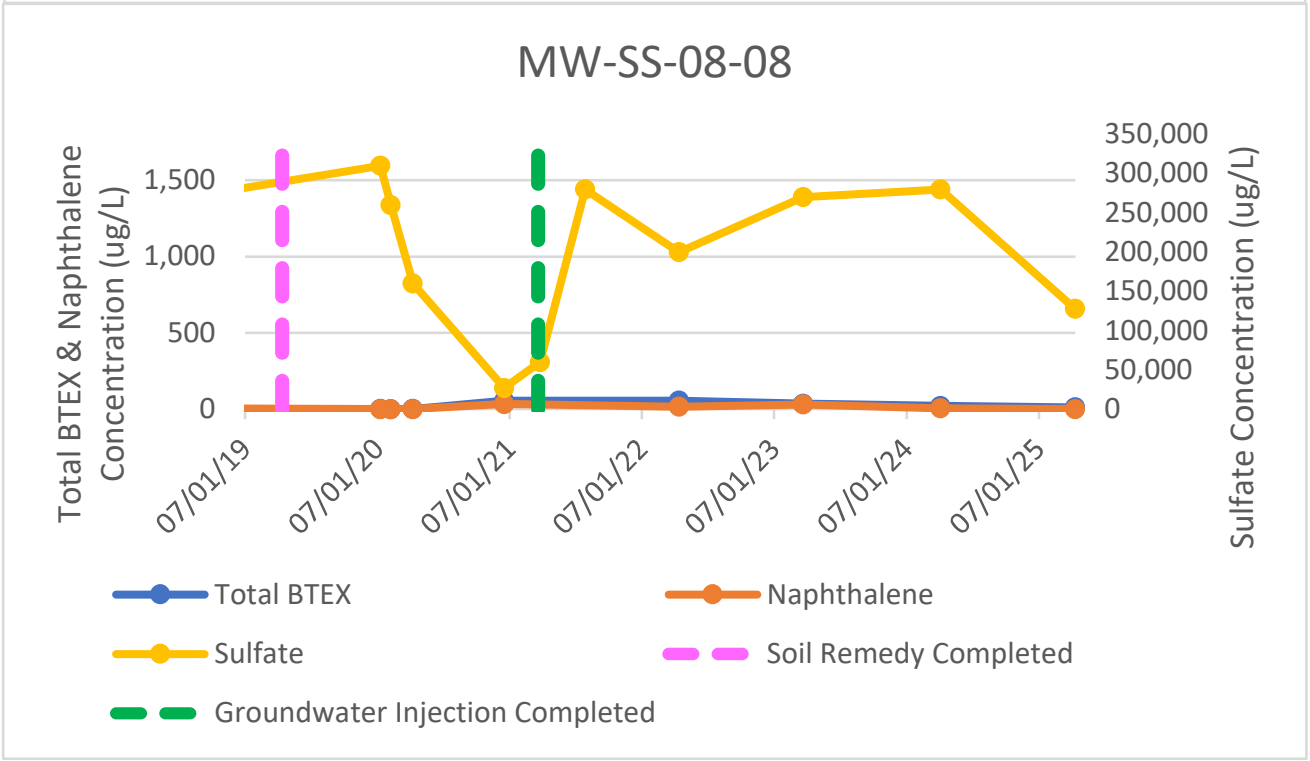
Attachment 2

Groundwater BTEX, Naphthalene, and Sulfate Concentration Trends

Attachment 2
Groundwater BTEX, Naphthalene, and Sulfate Concentration Trends

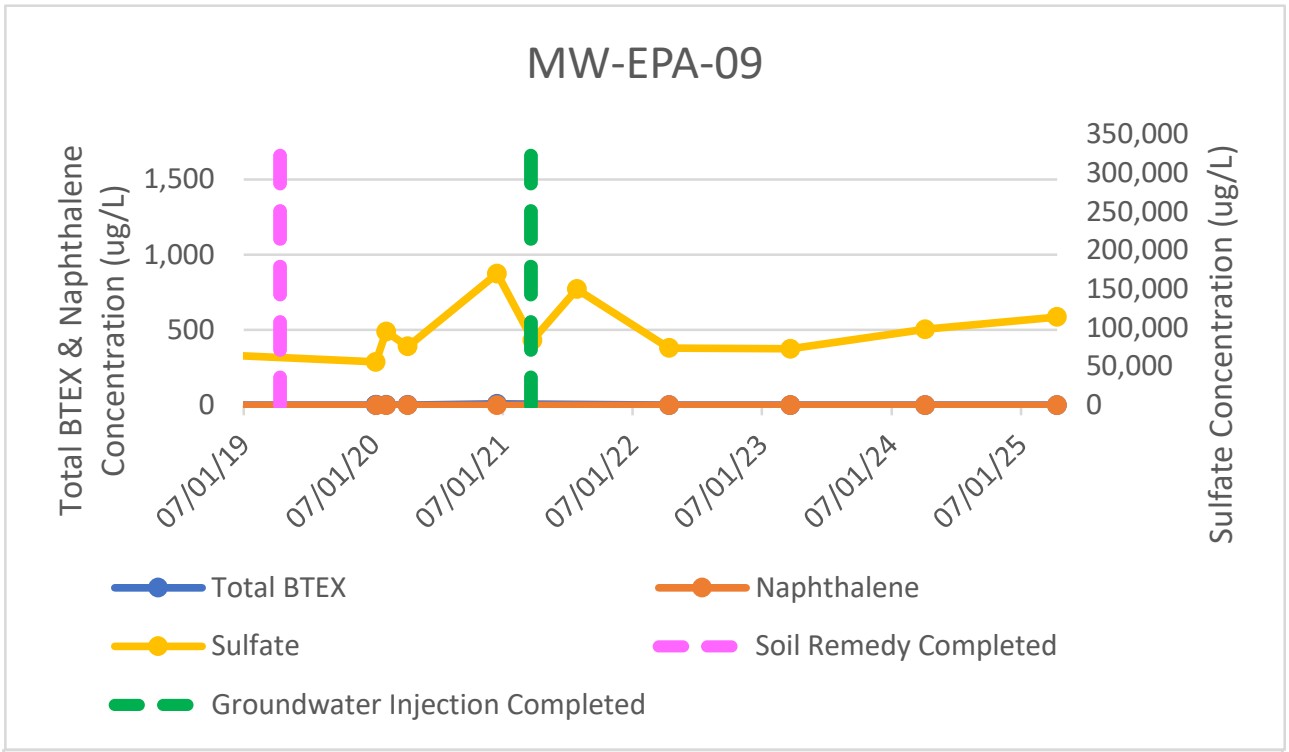
Niagara Mohawk Power Corporation
Superfund Site - Operable Unit 2 Project Area
Saratoga Springs, New York

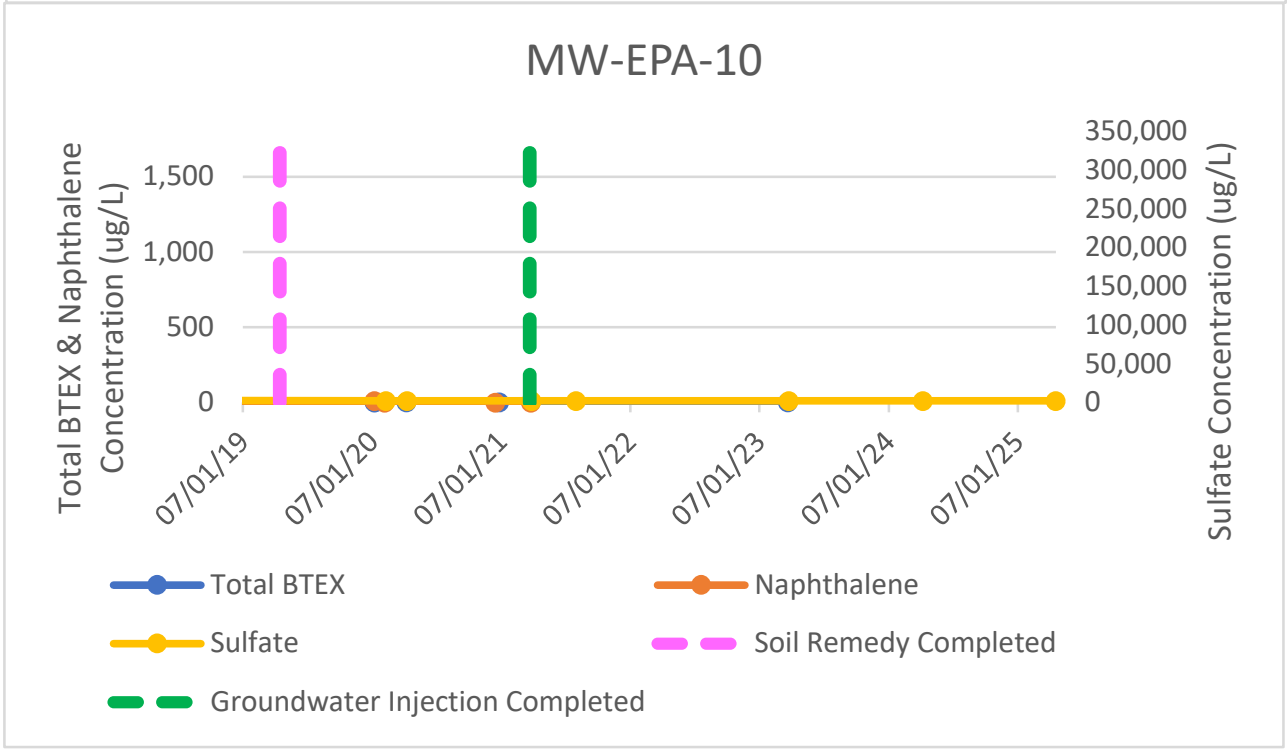




Attachment 2
Groundwater BTEX, Naphthalene, and Sulfate Concentration Trends

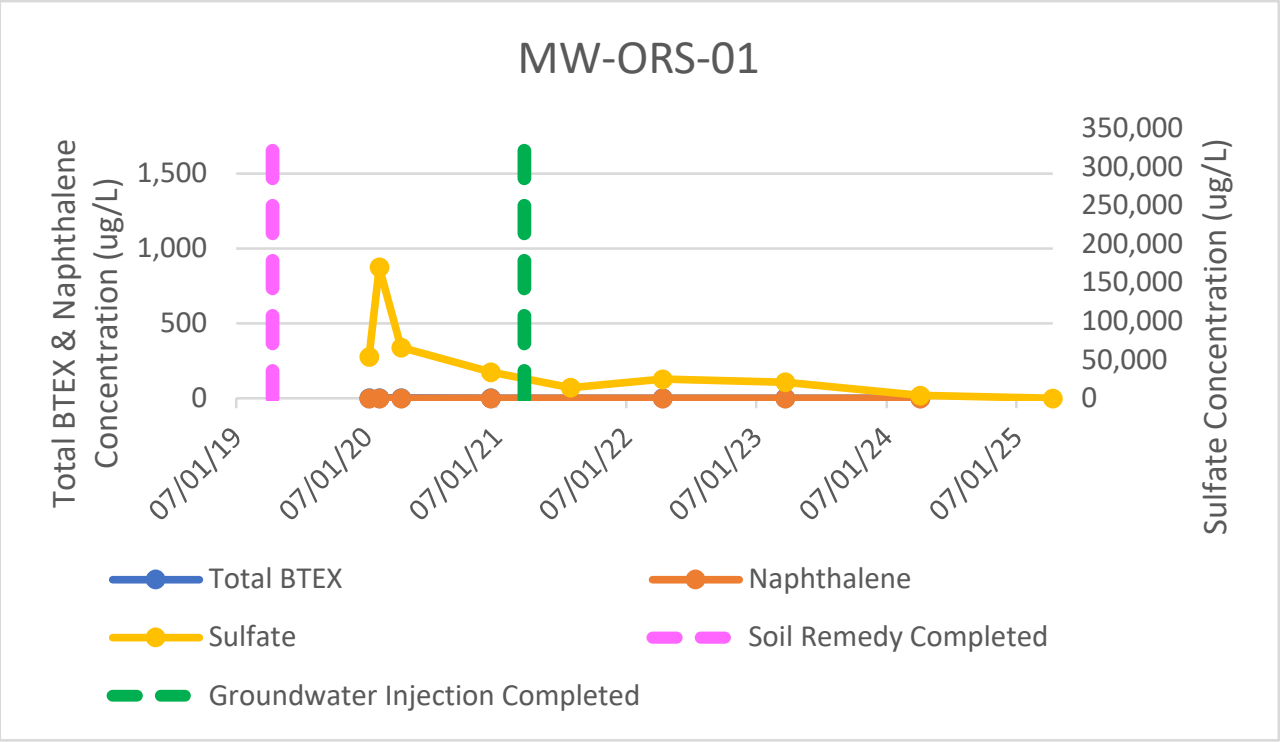
Niagara Mohawk Power Corporation
Superfund Site - Operable Unit 2 Project Area
Saratoga Springs, New York





Attachment 2
Groundwater BTEX, Naphthalene, and Sulfate Concentration Trends

Niagara Mohawk Power Corporation
Superfund Site - Operable Unit 2 Project Area
Saratoga Springs, New York



Arcadis of New York, Inc.
One Lincoln Center, 110 West Fayette Street, Suite 300
Syracuse
New York 13202
Phone: 315 446 9120
Fax: 315 449 0017
www.arcadis.com

Appendices

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Arcadis

Saratoga Springs, NY

30003945

SGS Job Number: JE20825

Sampling Date: 10/09/25

Report to:

Arcadis U.S.
1 Lincoln Center,110 West Fayette Street Suite 300
Syracuse, NY 13202
matt.hysell@arcadis.com

ATTN: Matt Hysell

Total number of pages in report: **2826**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

Olga Azarian
Technical Director

Client Service contact: Tammy McCloskey 732-329-0200
Certifications: NJ(12129),NY(10983),CA,CO,CT,FL,HI,IL,IN,KY,LA (120428),MA,MD,ME,MN,NC,NH,NV, AK (UST-103),AZ (AZ0786),PA(68-00408),RI,SC,TX (T104704234),UT,VA,WA,WV

This report shall not be reproduced, except in its entirety, without the written approval of SGS.
Test results relate only to samples analyzed.

How did we do today?
Your feedback helps us improve our service and takes less than a minute to complete.
START SURVEY

SGS is the sole authority for authorizing edits or modifications to this document.
Unauthorized modification of this report is strictly prohibited.
Review standard terms at: http://www.sgs.com/en/terms-and-conditions

Please share your ideas about how we can serve you better at:
EHS.US.CustomerCare@sgs.com

Sections:

Table of Contents

Section 1: Sample Summary **5**
Section 2: Case Narrative/Conformance Summary **6**
Section 3: Summary of Hits **11**
Section 4: Sample Results **14**
4.1: JE20825-1: MW-EPA-07-10092025 15
4.2: JE20825-1A: MW-EPA-07-10092025 22
4.3: JE20825-3: DUP-10092025 23
4.4: JE20825-3A: DUP-10092025 30
4.5: JE20825-4: MW-SS-08-05-10092025 31
4.6: JE20825-5: MW-SS-08-08-10092025 33
4.7: JE20825-5A: MW-SS-08-08-10092025 40
4.8: JE20825-6: TRIP BLANK 41
Section 5: Misc. Forms **42**
5.1: Chain of Custody 43
5.2: Sample Tracking Chronicle 48
5.3: Internal Chain of Custody 51
Section 6: MS Volatiles - QC Data Summaries **61**
6.1: Method Blank Summary 62
6.2: Blank Spike Summary 63
6.3: Matrix Spike/Matrix Spike Duplicate Summary 64
6.4: Instrument Performance Checks (BFB) 65
6.5: Internal Standard Area Summaries 66
6.6: Surrogate Recovery Summaries 67
6.7: Initial and Continuing Calibration Summaries 68
6.8: Run Sequence Reports 85
Section 7: MS Volatiles - Raw Data **87**
7.1: Samples 88
7.2: Method Blanks 119
7.3: Blank Spikes 123
7.4: Matrix Spike/Matrix Spike Duplicates 186
7.5: Instrument Performance Checks (BFB) 307
7.6: Initial and Continuing Calibrations 309
7.7: Instrument Run Logs 1011
Section 8: MS Semi-volatiles - QC Data Summaries **1016**
8.1: Method Blank Summary 1017
8.2: Blank Spike/Blank Spike Duplicate Summary 1019
8.3: Matrix Spike/Matrix Spike Duplicate Summary 1020
8.4: Instrument Performance Checks (DFTPP) 1021
8.5: Internal Standard Area Summaries 1029
8.6: Surrogate Recovery Summaries 1033
8.7: Initial and Continuing Calibration Summaries 1034
8.8: Run Sequence Reports 1054

Table of Contents

Section 9: MS Semi-volatiles - Raw Data 1061
9.1: Samples 1062
9.2: Method Blanks 1224
9.3: Blank Spike/Blank Spike Duplicates 1249
9.4: Matrix Spike/Matrix Spike Duplicates 1277
9.5: Instrument Performance Checks (DFTPP) 1313
9.6: Initial and Continuing Calibrations 1341
9.7: Instrument Run Logs 1937
9.8: Sample Prep Logs 1949
Section 10: GC Volatiles - QC Data Summaries 1952
10.1: Method Blank Summary 1953
10.2: Blank Spike Summary 1959
10.3: Blank Spike/Blank Spike Duplicate Summary 1961
10.4: Laboratory Control Sample Summary 1962
10.5: Matrix Spike Summary 1963
10.6: Matrix Spike/Matrix Spike Duplicate Summary 1965
10.7: Duplicate Summary 1966
10.8: Surrogate Recovery Summaries 1969
10.9: GC Surrogate Retention Time Summaries 1970
10.10: Initial and Continuing Calibration Summaries 1977
10.11: Run Sequence Reports 1995
Section 11: GC Volatiles - Raw Data 2003
11.1: Samples 2004
11.2: Method Blanks 2040
11.3: Blank Spike/Blank Spike Duplicates 2058
11.4: Laboratory Control Samples 2070
11.5: Matrix Spike/Matrix Spike Duplicates 2073
11.6: Duplicates 2085
11.7: Retention Time Markers 2094
11.8: Initial and Continuing Calibrations 2106
11.9: Instrument Run Logs 2189
Section 12: GC/LC Semi-volatiles - QC Data Summaries 2200
12.1: Method Blank Summary 2201
12.2: Blank Spike/Blank Spike Duplicate Summary 2203
12.3: Matrix Spike Summary 2205
12.4: Matrix Spike/Matrix Spike Duplicate Summary 2206
12.5: Surrogate Recovery Summaries 2207
12.6: GC Surrogate Retention Time Summaries 2208
12.7: Initial and Continuing Calibration Summaries 2211
12.8: Run Sequence Reports 2221
Section 13: GC/LC Semi-volatiles - Raw Data 2226
13.1: Samples 2227

Table of Contents

13.2: Method Blanks 2245
13.3: Blank Spike/Blank Spike Duplicates 2251
13.4: Matrix Spike/Matrix Spike Duplicates 2268
13.5: Initial and Continuing Calibrations 2292
13.6: Instrument Run Logs 2447
13.7: Sample Prep Logs 2452
Section 14: Metals Analysis - QC Data Summaries 2454
14.1: Inst QC MA59558: Fe,Mn 2455
14.2: Inst QC MA59580: Fe,Mn 2502
14.3: Prep QC MP57944: Fe,Mn 2535
14.4: IDL and Linear Range Summaries 2545
Section 15: Metals Analysis - Raw Data 2549
15.1: Raw Data MA59558 2550
15.2: Raw Data MA59580 2617
15.3: Sample Prep Logs 2662
Section 16: General Chemistry - QC Data Summaries 2663
16.1: Method Blank and Spike Results Summary 2664
16.2: Duplicate Results Summary 2665
16.3: Matrix Spike Results Summary 2666
16.4: Matrix Spike Duplicate Results Summary 2667
16.5: Inst QC GN74755: Nitrogen, Total Kjeldahl 2668
16.6: Inst QC GN74908: Total Organic Carbon 2671
16.7: Inst QC GN75008: Sulfate 2675
16.8: Inst QC GN75322: Nitrogen, Nitrate + Nitrite 2678
Section 17: General Chemistry - Raw Data 2683
17.1: Raw Data GN74573: Nitrogen, Nitrite 2684
17.2: Raw Data GN74665: Alkalinity, Total as CaCO3 2685
17.3: Raw Data GN74687: Sulfide 2691
17.4: Raw Data GN74755: Nitrogen, Total Kjeldahl 2693
17.5: Raw Data GN74908: Total Organic Carbon 2703
17.6: Raw Data GN75008: Sulfate 2747
17.7: Raw Data GN75322: Nitrogen, Nitrate + Nitrite 2807

SGS North America Inc.

Sample Summary

Arcadis

Job No: JE20825

Saratoga Springs, NY
Project No: 30003945

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
This report contains results reported as ND = Not detected. The following applies: Organics ND = Not detected above the MDL							
JE20825-1	10/09/25	12:05	KK/AF	10/10/25	AQ	Water	MW-EPA-07-10092025
JE20825-1A	10/09/25	12:05	KK/AF	10/10/25	AQ	Water	MW-EPA-07-10092025
JE20825-1AD	10/09/25	14:30	KK/AF	10/10/25	AQ	Water Dup/MSD	MSD 10092025
JE20825-1AS	10/09/25	15:00	KK/AF	10/10/25	AQ	Water Matrix Spike	MS
JE20825-1D	10/09/25	14:30	KK/AF	10/10/25	AQ	Water Dup/MSD	MSD 10092025
JE20825-1S	10/09/25	15:00	KK/AF	10/10/25	AQ	Water Matrix Spike	MS
JE20825-3	10/09/25	00:00	KK/AF	10/10/25	AQ	Water	DUP-10092025
JE20825-3A	10/09/25	00:00	KK/AF	10/10/25	AQ	Water	DUP-10092025
JE20825-4	10/09/25	09:45	KK/AF	10/10/25	AQ	Water	MW-SS-08-05-10092025
JE20825-5	10/09/25	12:10	KK/AF	10/10/25	AQ	Water	MW-SS-08-08-10092025
JE20825-5A	10/09/25	12:10	KK/AF	10/10/25	AQ	Water	MW-SS-08-08-10092025
JE20825-6	10/09/25	15:00	KK/AF	10/10/25	AQ	Trip Blank Water	TRIP BLANK

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Arcadis	**Job No:**	JE20825
Site:	Saratoga Springs, NY	**Report Date**	10/29/2025 4:44:45 P

On 10/10/2025, 4 sample(s), 1 Trip Blank(s), 0 Equip. Blank(s) and 0 Field Blank(s) were received at SGS North America Inc. (SGS) at a temperature of 4.1 °C. The samples were intact and properly preserved, unless noted below. An SGS Job Number of JE20825 was assigned to the project. The lab sample ID, client sample ID, and date of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

MS Volatiles By Method SW846 8260D

Matrix: AQ **Batch ID:** V2K694

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE20825-1MS, JE20825-1MSD were used as the QC samples indicated.
- The matrix spike (MS) recovery(s) of Ethylbenzene are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- The RPD(s) for the MS and MSD recoveries of Ethylbenzene are outside control limits for sample JE20825-1MSD. Outside control limits due to matrix interference.

MS Semi-volatiles By Method SW846 8270E BY SIM

Matrix: AQ **Batch ID:** OP68138A

- Sample(s) JE20825-1MS, JE20825-1MSD were used as the QC samples indicated.
- Sample(s) JE20825-4, JE20825-5 have compound(s) reported with a "B" qualifier, indicating analyte is found in the associated method blank. Detected in the Method blank but below the reporting limit level.
- The matrix spike duplicate (MSD) recovery(s) of Phenanthrene are outside control limits. Outside control limits due to matrix interference.
- The matrix spike (MS) recovery(s) of Acenaphthene, Naphthalene are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- The RPD(s) for the MS and MSD recoveries of Phenanthrene are outside control limits for sample OP68138A-MSDA. Analytical precision exceeds in-house control limits.
- JE20825-1: Sample reextracted outside the holding time for confirmation.
- JE20825-3: Sample reextracted outside the holding time for confirmation.
- JE20825-3 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JE20825-5 for Benzo(b)fluoranthene: Detected in the Method blank. Confirmation run extracted out of hold, result was ND
- JE20825-1 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JE20825-3 for Nitrobenzene-d5: Outside control limits due to dilution.
- JE20825-5 for Indeno(1,2,3-cd)pyrene: Detected in the Method blank. Confirmation run extracted out of hold, result was ND
- JE20825-4 for Indeno(1,2,3-cd)pyrene: Detected in the Method blank. Confirmation run extracted out of hold, result was ND
- JE20825-5 for Benzo(g,h,i)perylene: Detected in the Method blank. Confirmation run extracted out of hold, result was ND
- JE20825-1 for Nitrobenzene-d5: Outside control limits due to dilution.
- JE20825-3 for Terphenyl-d14: Outside control limits due to dilution.
- JE20825-1 for Terphenyl-d14: Outside control limits due to dilution.
- JE20825-5 for Benzo(a)pyrene: Detected in the Method blank. Confirmation run extracted out of hold, result was ND
- JE20825-5 for Benzo(k)fluoranthene: Detected in the Method blank. Confirmation run extracted out of hold, result was ND
- JE20825-5 for Dibenzo(a,h)anthracene: Detected in the Method blank. Confirmation run extracted out of hold, result was ND
- OP68138A-BS12 for Naphthalene: Outside of in house control limits.
- JE20825-4 for Benzo(a)pyrene: Detected in the Method blank. Confirmation run extracted out of hold, result was ND
- JE20825-4 for Benzo(b)fluoranthene: Detected in the Method blank. Confirmation run extracted out of hold, result was ND
- JE20825-4 for Benzo(g,h,i)perylene: Detected in the Method blank. Confirmation run extracted out of hold, result was ND
- JE20825-4 for Benzo(k)fluoranthene: Detected in the Method blank. Confirmation run extracted out of hold, result was ND
- JE20825-4 for Dibenzo(a,h)anthracene: Detected in the Method blank. Confirmation run extracted out of hold, result was ND

Matrix: AQ **Batch ID:** OP68290A

- The data for SW846 8270E BY SIM meets quality control requirements.
- JE20825-1: Sample extracted outside the holding time.Confirmation run
- JE20825-3: Sample extracted outside the holding time. Confirmation run.
- JE20825-5: Sample extracted outside the holding time. Confirmation run.
- JE20825-4: Sample extracted outside the holding time. Confirmation run.

GC Volatiles By Method RSK-175

Matrix: AQ **Batch ID:** GAA3393

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE20825-1DUP were used as the QC samples indicated.

GC Volatiles By Method SW846 8015D

Matrix: AQ **Batch ID:** GKM591

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE20921-1DUP, JE20921-2MS were used as the QC samples indicated.
- JE20825-5 for TPH-GRO (C6-C10): Associated CCV outside of control limits high, sample was ND.

Matrix: AQ **Batch ID:** GKM593

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE20971-1MS, JE20971-2DUP were used as the QC samples indicated.

Matrix: AQ **Batch ID:** GKM598

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE20825-1MS, JE20825-1MSD were used as the QC samples indicated.

GC/LC Semi-volatiles By Method SW846 8015D

Matrix: AQ **Batch ID:** OP68149

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- Sample(s) JE20825-1AMS, JE20825-1MS, JE20825-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Metals Analysis By Method SW846 6010D

Matrix: AQ **Batch ID:** MP57944

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE20825-1MS, JE20825-1MSD, JE20825-1SDL, JE20847-4SDL were used as the QC samples for the metals analysis.

General Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** GP64893

- All samples were prepared within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE20825-1MS, JE20825-1MSD were used as the QC samples for the Sulfate analysis.

General Chemistry By Method EPA 351.2/LACHAT

Matrix: AQ **Batch ID:** GP64753

- All samples were prepared within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE20936-2MS, JE20936-2DUP were used as the QC samples for the Nitrogen, Total Kjeldahl analysis.
- The duplicate RPD(s) for Nitrogen, Total Kjeldahl are outside control limits for sample GP64753-D1. RPD acceptable due to low duplicate and sample concentrations.

General Chemistry By Method EPA 353.2/LACHAT

Matrix: AQ **Batch ID:** GP65048

- All samples were prepared within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE20825-1DUP, JE20825-1MS, JE20825-3MS were used as the QC samples for the Nitrogen, Nitrate + Nitrite analysis.
- The matrix spike (MS) recovery(s) of Nitrogen, Nitrate + Nitrite are outside control limits. Spike recovery indicates possible matrix interference.

General Chemistry By Method EPA353.2/SM4500NO2B

Matrix: AQ **Batch ID:** R220191

- The data for EPA353.2/SM4500NO2B meets quality control requirements.
- JE20825-1 for Nitrogen, Nitrate: Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

Matrix: AQ **Batch ID:** R220193

- The data for EPA353.2/SM4500NO2B meets quality control requirements.
- JE20825-5 for Nitrogen, Nitrate: Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

Matrix: AQ **Batch ID:** R220199

- The data for EPA353.2/SM4500NO2B meets quality control requirements.
- JE20825-3 for Nitrogen, Nitrate: Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

General Chemistry By Method SM2320 B-11/21

Matrix: AQ **Batch ID:** GN74665

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE20825-1DUP were used as the QC samples for the Alkalinity, Total as CaCO3 analysis.
- JE20825-3 for Alkalinity, Total as CaCO3: Sample was titrated to a final pH of 4.5.
- JE20825-1 for Alkalinity, Total as CaCO3: Sample was titrated to a final pH of 4.5.
- JE20825-5 for Alkalinity, Total as CaCO3: Sample was titrated to a final pH of 4.5.

General Chemistry By Method SM4500NO2 B-11/21

Matrix: AQ **Batch ID:** GN74573

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE20786-1MS, JE20786-1MSD were used as the QC samples for the Nitrogen, Nitrite analysis.

General Chemistry By Method SM4500S2- F-11/21

Matrix: AQ **Batch ID:** GN74687

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE20825-1DUP were used as the QC samples for the Sulfide analysis.
- The duplicate RPD(s) for Sulfide are outside control limits for sample GN74687-D1. RPD acceptable due to low duplicate and sample concentrations.

General Chemistry By Method SM5310 B-11/14

Matrix: AQ **Batch ID:** GP64712

- All samples were prepared within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE20901-3MS, JE20901-3MSD were used as the QC samples for the Total Organic Carbon analysis.

SGS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting SGS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by SGS indicated via signature on the report cover.

Summary of Hits

Job Number: JE20825
Account: Arcadis
Project: Saratoga Springs, NY
Collected: 10/09/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JE20825-1	**MW-EPA-07-10092025**					
Benzene		12.3	0.50	0.43	ug/l	SW846 8260D
Toluene		1.2	1.0	0.49	ug/l	SW846 8260D
Ethylbenzene		148	1.0	0.60	ug/l	SW846 8260D
Xylene (total)		63.8	1.0	0.59	ug/l	SW846 8260D
Acenaphthene		10.1	0.80	0.40	ug/l	SW846 8270E BY SIM
Acenaphthylene [a]		0.0716 J	0.080	0.040	ug/l	SW846 8270E BY SIM
Anthracene [a]		0.0471 J	0.080	0.040	ug/l	SW846 8270E BY SIM
Benzo(b)fluoranthene [a]		0.0405	0.040	0.024	ug/l	SW846 8270E BY SIM
Fluoranthene [a]		0.0537 J	0.080	0.040	ug/l	SW846 8270E BY SIM
Fluorene [a]		1.38	0.080	0.040	ug/l	SW846 8270E BY SIM
Naphthalene		72.4	0.80	0.40	ug/l	SW846 8270E BY SIM
Phenanthrene [a]		0.0668 J	0.080	0.040	ug/l	SW846 8270E BY SIM
Pyrene [a]		0.0463 J	0.080	0.040	ug/l	SW846 8270E BY SIM
Methane		3150	11	8.0	ug/l	RSK-175
TPH-GRO (C6-C10)		0.742	0.20	0.11	mg/l	SW846 8015D
TPH-DRO (C10-C28)		0.994	0.080	0.038	mg/l	SW846 8015D
Iron		3000	100		ug/l	SW846 6010D
Manganese		152	15		ug/l	SW846 6010D
Alkalinity, Total as CaCO3 [b]		696	5.0		mg/l	SM2320 B-11/21
Nitrogen, Total Kjeldahl		4.4	0.40		mg/l	EPA 351.2/LACHAT
Sulfate		17.6	2.0		mg/l	EPA 300/SW846 9056A
Total Organic Carbon		2.6	1.0		mg/l	SM5310 B-11/14
JE20825-1A	**MW-EPA-07-10092025**					
TPH-DRO (C10-C28)		0.951	0.082	0.040	mg/l	SW846 8015D
JE20825-3	**DUP-10092025**					
Benzene		8.9	0.50	0.43	ug/l	SW846 8260D
Toluene		1.0	1.0	0.49	ug/l	SW846 8260D
Ethylbenzene		131	1.0	0.60	ug/l	SW846 8260D
Xylene (total)		58.0	1.0	0.59	ug/l	SW846 8260D
Acenaphthene		9.65	0.80	0.40	ug/l	SW846 8270E BY SIM
Acenaphthylene [a]		0.0647 J	0.080	0.040	ug/l	SW846 8270E BY SIM
Fluorene [a]		0.975	0.080	0.040	ug/l	SW846 8270E BY SIM
Naphthalene		102	4.0	2.0	ug/l	SW846 8270E BY SIM
Phenanthrene [a]		0.0468 J	0.080	0.040	ug/l	SW846 8270E BY SIM
Methane		3680	11	8.0	ug/l	RSK-175
TPH-GRO (C6-C10)		0.562	0.20	0.11	mg/l	SW846 8015D
TPH-DRO (C10-C28)		1.36	0.088	0.042	mg/l	SW846 8015D
Iron		2270	100		ug/l	SW846 6010D
Manganese		118	15		ug/l	SW846 6010D

Summary of Hits

Job Number: JE20825
Account: Arcadis
Project: Saratoga Springs, NY
Collected: 10/09/25

Lab Sample ID / Client Sample ID / Analyte	Result/ Qual	RL	MDL	Units	Method
Alkalinity, Total as CaCO3 [b]	721	5.0		mg/l	SM2320 B-11/21
Nitrogen, Total Kjeldahl	4.7	0.40		mg/l	EPA 351.2/LACHAT
Sulfate	15.4	2.0		mg/l	EPA 300/SW846 9056A
Total Organic Carbon	2.4	1.0		mg/l	SM5310 B-11/14
JE20825-3A DUP-10092025					
TPH-DRO (C10-C28)	1.40	0.079	0.038	mg/l	SW846 8015D
JE20825-4 MW-SS-08-05-10092025					
Benzo(a)anthracene	1.04	0.040	0.024	ug/l	SW846 8270E BY SIM
Benzo(a)pyrene [c]	1.14 B	0.040	0.024	ug/l	SW846 8270E BY SIM
Benzo(b)fluoranthene [c]	1.34 B	0.040	0.024	ug/l	SW846 8270E BY SIM
Benzo(g,h,i)perylene [c]	1.23 B	0.080	0.040	ug/l	SW846 8270E BY SIM
Benzo(k)fluoranthene [c]	1.49 B	0.080	0.040	ug/l	SW846 8270E BY SIM
Chrysene	1.18	0.080	0.040	ug/l	SW846 8270E BY SIM
Dibenzo(a,h)anthracene [c]	1.40 B	0.080	0.040	ug/l	SW846 8270E BY SIM
Fluoranthene	0.0507 J	0.080	0.040	ug/l	SW846 8270E BY SIM
Indeno(1,2,3-cd)pyrene [c]	1.29 B	0.080	0.040	ug/l	SW846 8270E BY SIM
Naphthalene [d]	0.102 B	0.080	0.040	ug/l	SW846 8270E BY SIM
Pyrene	0.0604 J	0.080	0.040	ug/l	SW846 8270E BY SIM
JE20825-5 MW-SS-08-08-10092025					
Ethylbenzene	8.5	1.0	0.60	ug/l	SW846 8260D
Xylene (total)	3.0	1.0	0.59	ug/l	SW846 8260D
Acenaphthene	0.0724 J	0.080	0.040	ug/l	SW846 8270E BY SIM
Benzo(a)anthracene	0.0256 J	0.040	0.024	ug/l	SW846 8270E BY SIM
Benzo(a)pyrene [c]	0.0396 JB	0.040	0.024	ug/l	SW846 8270E BY SIM
Benzo(b)fluoranthene [c]	0.0599 B	0.040	0.024	ug/l	SW846 8270E BY SIM
Benzo(g,h,i)perylene [c]	0.196 B	0.080	0.040	ug/l	SW846 8270E BY SIM
Benzo(k)fluoranthene [c]	0.0689 JB	0.080	0.040	ug/l	SW846 8270E BY SIM
Dibenzo(a,h)anthracene [c]	0.299 B	0.080	0.040	ug/l	SW846 8270E BY SIM
Indeno(1,2,3-cd)pyrene [c]	0.216 B	0.080	0.040	ug/l	SW846 8270E BY SIM
Naphthalene [d]	3.91 B	0.080	0.040	ug/l	SW846 8270E BY SIM
Methane	1260	5.5	4.0	ug/l	RSK-175
TPH-DRO (C10-C28)	0.0520 J	0.090	0.043	mg/l	SW846 8015D
Iron	3670	100		ug/l	SW846 6010D
Manganese	541	15		ug/l	SW846 6010D
Alkalinity, Total as CaCO3 [b]	519	5.0		mg/l	SM2320 B-11/21
Nitrogen, Total Kjeldahl	3.5	0.40		mg/l	EPA 351.2/LACHAT
Sulfate	128	2.0		mg/l	EPA 300/SW846 9056A
Total Organic Carbon	4.2	1.0		mg/l	SM5310 B-11/14

Summary of Hits

Job Number: JE20825
Account: Arcadis
Project: Saratoga Springs, NY
Collected: 10/09/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JE20825-5A	**MW-SS-08-08-10092025**					
TPH-DRO (C10-C28)		0.0720 J	0.085	0.041	mg/l	SW846 8015D
JE20825-6	**TRIP BLANK**					

No hits reported in this sample.

(a) Sample reextracted outside the holding time for confirmation.
(b) Sample was titrated to a final pH of 4.5.
(c) Detected in the Method blank. Confirmation run extracted out of hold, result was ND
(d) Detected in the Method blank but below the reporting limit level.

Sample Results

Report of Analysis

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-EPA-07-10092025		
Lab Sample ID:	JE20825-1	**Date Sampled:**	10/09/25
Matrix:	AQ - Water	**Date Received:**	10/10/25
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2K25216.D	1	10/18/25 01:18	ED	n/a	n/a	V2K694
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	12.3	0.50	0.43	ug/l	
108-88-3	Toluene	1.2	1.0	0.49	ug/l	
100-41-4	Ethylbenzene	148	1.0	0.60	ug/l	
1330-20-7	Xylene (total)	63.8	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		80-120%
17060-07-0	1,2-Dichloroethane-D4	91%		80-120%
2037-26-5	Toluene-D8	97%		80-120%
460-00-4	4-Bromofluorobenzene	90%		82-114%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-EPA-07-10092025		
Lab Sample ID:	JE20825-1	**Date Sampled:**	10/09/25
Matrix:	AQ - Water	**Date Received:**	10/10/25
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CS9066.D	1	10/16/25 17:00	AC	10/15/25 06:45	OP68138A	ECS468
Run #2	Z176730.D	10	10/27/25 17:41	RS	10/15/25 06:45	OP68138A	EZ8699
Run #3	Z176731.D	50	10/27/25 18:06	RS	10/15/25 06:45	OP68138A	EZ8699
Run #4 [b]	CS9252.D	1	10/24/25 16:23	AC	10/21/25 19:30	OP68290A	ECS475

	Initial Volume	Final Volume
Run #1	250 ml	1.0 ml
Run #2	250 ml	1.0 ml
Run #3	250 ml	1.0 ml
Run #4	250 ml	1.0 ml

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	10.1 [c]	0.80	0.40	ug/l	
208-96-8	Acenaphthylene	0.0716	0.080	0.040	ug/l	J
120-12-7	Anthracene	0.0471	0.080	0.040	ug/l	J
56-55-3	Benzo(a)anthracene	ND	0.040	0.024	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.040	0.024	ug/l	
205-99-2	Benzo(b)fluoranthene	0.0405	0.040	0.024	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.080	0.040	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.080	0.040	ug/l	
218-01-9	Chrysene	ND	0.080	0.040	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.080	0.040	ug/l	
206-44-0	Fluoranthene	0.0537	0.080	0.040	ug/l	J
86-73-7	Fluorene	1.38	0.080	0.040	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.080	0.040	ug/l	
91-20-3	Naphthalene	72.4 [c]	0.80	0.40	ug/l	
85-01-8	Phenanthrene	0.0668	0.080	0.040	ug/l	J
129-00-0	Pyrene	0.0463	0.080	0.040	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	38%	32%	0% [d]	29-124%
321-60-8	2-Fluorobiphenyl	41%	42%	0% [d]	23-122%
1718-51-0	Terphenyl-d14	69%	66%	0% [d]	22-130%

(a) Sample reextracted outside the holding time for confirmation.
(b) Sample extracted outside the holding time.Confirmation run
(c) Result is from Run# 2
(d) Outside control limits due to dilution.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-EPA-07-10092025		
Lab Sample ID:	JE20825-1	**Date Sampled:**	10/09/25
Matrix:	AQ - Water	**Date Received:**	10/10/25
Method:	SW846 8015D	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KM14257.D	1	10/21/25 12:41	JN	n/a	n/a	GKM598
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.742	0.20	0.11	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	90%		63-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-EPA-07-10092025		
Lab Sample ID:	JE20825-1	**Date Sampled:**	10/09/25
Matrix:	AQ - Water	**Date Received:**	10/10/25
Method:	RSK-175	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA118152.D	100	10/22/25 09:18	WC	n/a	n/a	GAA3393
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	3150	11	8.0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-EPA-07-10092025		
Lab Sample ID:	JE20825-1	**Date Sampled:**	10/09/25
Matrix:	AQ - Water	**Date Received:**	10/10/25
Method:	SW846 8015D SW846 3511	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Y97066.D	1	10/18/25 00:14	CB	10/14/25 19:00	OP68149	G3Y3746
Run #2							

	Initial Volume	Final Volume
Run #1	50.0 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	0.994	0.080	0.038	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	109%		70-130%
438-22-2	5a-Androstane	100%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-EPA-07-10092025
Lab Sample ID: JE20825-1
Matrix: AQ - Water
Project: Saratoga Springs, NY

Date Sampled: 10/09/25
Date Received: 10/10/25
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	3000	100	ug/l	1	10/14/25	10/15/25	LM	SW846 6010D [1]	SW846 3010A [2]
Manganese	152	15	ug/l	1	10/14/25	10/15/25	LM	SW846 6010D [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA59558
(2) Prep QC Batch: MP57944

RL = Reporting Limit

Report of Analysis

Client Sample ID: MW-EPA-07-10092025
Lab Sample ID: JE20825-1
Matrix: AQ - Water
Project: Saratoga Springs, NY

Date Sampled: 10/09/25
Date Received: 10/10/25
Percent Solids: n/a

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3 [a]	696	5.0	mg/l	1	10/14/25 09:37	GTT	SM2320 B-11/21
Nitrogen, Nitrate [b]	< 0.11	0.11	mg/l	1	10/27/25 19:26	JD	EPA353.2/SM4500NO2B
Nitrogen, Nitrate + Nitrite	< 0.10	0.10	mg/l	1	10/27/25 19:26	JD	EPA 353.2/LACHAT
Nitrogen, Nitrite	< 0.010	0.010	mg/l	1	10/10/25 17:50	GT	SM4500NO2 B-11/21
Nitrogen, Total Kjeldahl	4.4	0.40	mg/l	1	10/14/25 17:59	SS	EPA 351.2/LACHAT
Sulfate	17.6	2.0	mg/l	1	10/20/25 22:03	MS	EPA 300/SW846 9056A
Sulfide	< 2.0	2.0	mg/l	1	10/13/25 14:07	GT	SM4500S2- F-11/21
Total Organic Carbon	2.6	1.0	mg/l	1	10/16/25 04:44	MB	SM5310 B-11/14

(a) Sample was titrated to a final pH of 4.5.
(b) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-EPA-07-10092025		
Lab Sample ID:	JE20825-1A	**Date Sampled:**	10/09/25
Matrix:	AQ - Water	**Date Received:**	10/10/25
Method:	SW846 8015D SW846 3511	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Y97070.D	1	10/18/25 01:34	CB	10/14/25 19:00	OP68149	G3Y3746
Run #2							

	Initial Volume	Final Volume
Run #1	48.5 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	0.951	0.082	0.040	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	103%		70-130%
438-22-2	5a-Androstane	95%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	DUP-10092025		
Lab Sample ID:	JE20825-3	**Date Sampled:**	10/09/25
Matrix:	AQ - Water	**Date Received:**	10/10/25
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2K25226.D	1	10/18/25 04:07	ED	n/a	n/a	V2K694
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	8.9	0.50	0.43	ug/l	
108-88-3	Toluene	1.0	1.0	0.49	ug/l	
100-41-4	Ethylbenzene	131	1.0	0.60	ug/l	
1330-20-7	Xylene (total)	58.0	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		80-120%
17060-07-0	1,2-Dichloroethane-D4	90%		80-120%
2037-26-5	Toluene-D8	97%		80-120%
460-00-4	4-Bromofluorobenzene	89%		82-114%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	DUP-10092025		
Lab Sample ID:	JE20825-3	**Date Sampled:**	10/09/25
Matrix:	AQ - Water	**Date Received:**	10/10/25
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CS9068.D	1	10/16/25 17:53	AC	10/15/25 06:45	OP68138A	ECS468
Run #2	Z176732.D	10	10/27/25 18:31	RS	10/15/25 06:45	OP68138A	EZ8699
Run #3	Z176733.D	50	10/27/25 18:56	RS	10/15/25 06:45	OP68138A	EZ8699
Run #4 [b]	CS9253.D	1	10/24/25 16:50	AC	10/21/25 19:30	OP68290A	ECS475

	Initial Volume	Final Volume
Run #1	250 ml	1.0 ml
Run #2	250 ml	1.0 ml
Run #3	250 ml	1.0 ml
Run #4	250 ml	1.0 ml

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	9.65 [c]	0.80	0.40	ug/l	
208-96-8	Acenaphthylene	0.0647	0.080	0.040	ug/l	J
120-12-7	Anthracene	ND	0.080	0.040	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.040	0.024	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.040	0.024	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.040	0.024	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.080	0.040	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.080	0.040	ug/l	
218-01-9	Chrysene	ND	0.080	0.040	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.080	0.040	ug/l	
206-44-0	Fluoranthene	ND	0.080	0.040	ug/l	
86-73-7	Fluorene	0.975	0.080	0.040	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.080	0.040	ug/l	
91-20-3	Naphthalene	102 [d]	4.0	2.0	ug/l	
85-01-8	Phenanthrene	0.0468	0.080	0.040	ug/l	J
129-00-0	Pyrene	ND	0.080	0.040	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	46%	41%	0% [e]	29-124%
321-60-8	2-Fluorobiphenyl	40%	48%	0% [e]	23-122%
1718-51-0	Terphenyl-d14	64%	67%	0% [e]	22-130%

(a) Sample reextracted outside the holding time for confirmation.
(b) Sample extracted outside the holding time. Confirmation run.
(c) Result is from Run# 2
(d) Result is from Run# 3
(e) Outside control limits due to dilution.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	DUP-10092025		
Lab Sample ID:	JE20825-3	**Date Sampled:**	10/09/25
Matrix:	AQ - Water	**Date Received:**	10/10/25
Method:	SW846 8015D	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KM14153.D	1	10/14/25 15:44	JN	n/a	n/a	GKM593
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.562	0.20	0.11	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	89%		63-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	DUP-10092025		
Lab Sample ID:	JE20825-3	**Date Sampled:**	10/09/25
Matrix:	AQ - Water	**Date Received:**	10/10/25
Method:	RSK-175	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA118154.D	100	10/22/25 09:44	WC	n/a	n/a	GAA3393
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	3680	11	8.0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	DUP-10092025		
Lab Sample ID:	JE20825-3	**Date Sampled:**	10/09/25
Matrix:	AQ - Water	**Date Received:**	10/10/25
Method:	SW846 8015D SW846 3511	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Y97068.D	1	10/18/25 00:54	CB	10/14/25 19:00	OP68149	G3Y3746
Run #2							

	Initial Volume	Final Volume
Run #1	45.6 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	1.36	0.088	0.042	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	107%		70-130%
438-22-2	5a-Androstane	100%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DUP-10092025
Lab Sample ID: JE20825-3
Matrix: AQ - Water
Project: Saratoga Springs, NY

Date Sampled: 10/09/25
Date Received: 10/10/25
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	2270	100	ug/l	1	10/14/25	10/15/25	LM	SW846 6010D [1]	SW846 3010A [2]
Manganese	118	15	ug/l	1	10/14/25	10/15/25	LM	SW846 6010D [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA59558
(2) Prep QC Batch: MP57944

RL = Reporting Limit

Report of Analysis

Client Sample ID: DUP-10092025
Lab Sample ID: JE20825-3
Matrix: AQ - Water
Project: Saratoga Springs, NY

Date Sampled: 10/09/25
Date Received: 10/10/25
Percent Solids: n/a

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3 [a]	721	5.0	mg/l	1	10/14/25 09:37	GTT	SM2320 B-11/21
Nitrogen, Nitrate [b]	< 0.11	0.11	mg/l	1	10/27/25 19:27	JD	EPA353.2/SM4500NO2B
Nitrogen, Nitrate + Nitrite	< 0.10	0.10	mg/l	1	10/27/25 19:27	JD	EPA 353.2/LACHAT
Nitrogen, Nitrite	< 0.010	0.010	mg/l	1	10/10/25 17:50	GT	SM4500NO2 B-11/21
Nitrogen, Total Kjeldahl	4.7	0.40	mg/l	1	10/14/25 18:00	SS	EPA 351.2/LACHAT
Sulfate	15.4	2.0	mg/l	1	10/21/25 01:55	MS	EPA 300/SW846 9056A
Sulfide	< 2.0	2.0	mg/l	1	10/13/25 14:07	GT	SM4500S2- F-11/21
Total Organic Carbon	2.4	1.0	mg/l	1	10/16/25 05:25	MB	SM5310 B-11/14

(a) Sample was titrated to a final pH of 4.5.
(b) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	DUP-10092025		
Lab Sample ID:	JE20825-3A	**Date Sampled:**	10/09/25
Matrix:	AQ - Water	**Date Received:**	10/10/25
Method:	SW846 8015D SW846 3511	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Y97072.D	1	10/18/25 02:13	CB	10/14/25 19:00	OP68149	G3Y3746
Run #2							

	Initial Volume	Final Volume
Run #1	50.4 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	1.40	0.079	0.038	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	109%		70-130%
438-22-2	5a-Androstane	96%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-SS-08-05-10092025		
Lab Sample ID:	JE20825-4	**Date Sampled:**	10/09/25
Matrix:	AQ - Water	**Date Received:**	10/10/25
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2K25228.D	1	10/18/25 04:41	ED	n/a	n/a	V2K694
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.50	0.43	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		80-120%
17060-07-0	1,2-Dichloroethane-D4	93%		80-120%
2037-26-5	Toluene-D8	98%		80-120%
460-00-4	4-Bromofluorobenzene	89%		82-114%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-SS-08-05-10092025		
Lab Sample ID:	JE20825-4	**Date Sampled:**	10/09/25
Matrix:	AQ - Water	**Date Received:**	10/10/25
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CS9069.D	1	10/16/25 18:20	AC	10/15/25 06:45	OP68138A	ECS468
Run #2 [a]	CS9254.D	1	10/24/25 17:17	AC	10/21/25 19:30	OP68290A	ECS475

	Initial Volume	Final Volume
Run #1	250 ml	1.0 ml
Run #2	250 ml	1.0 ml

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.080	0.040	ug/l	
208-96-8	Acenaphthylene	ND	0.080	0.040	ug/l	
120-12-7	Anthracene	ND	0.080	0.040	ug/l	
56-55-3	Benzo(a)anthracene	1.04	0.040	0.024	ug/l	
50-32-8	Benzo(a)pyrene [b]	1.14	0.040	0.024	ug/l	B
205-99-2	Benzo(b)fluoranthene [b]	1.34	0.040	0.024	ug/l	B
191-24-2	Benzo(g,h,i)perylene [b]	1.23	0.080	0.040	ug/l	B
207-08-9	Benzo(k)fluoranthene [b]	1.49	0.080	0.040	ug/l	B
218-01-9	Chrysene	1.18	0.080	0.040	ug/l	
53-70-3	Dibenzo(a,h)anthracene [b]	1.40	0.080	0.040	ug/l	B
206-44-0	Fluoranthene	0.0507	0.080	0.040	ug/l	J
86-73-7	Fluorene	ND	0.080	0.040	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene [b]	1.29	0.080	0.040	ug/l	B
91-20-3	Naphthalene [c]	0.102	0.080	0.040	ug/l	B
85-01-8	Phenanthrene	ND	0.080	0.040	ug/l	
129-00-0	Pyrene	0.0604	0.080	0.040	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	45%	50%	29-124%
321-60-8	2-Fluorobiphenyl	43%	50%	23-122%
1718-51-0	Terphenyl-d14	70%	74%	22-130%

(a) Sample extracted outside the holding time. Confirmation run.
(b) Detected in the Method blank. Confirmation run extracted out of hold, result was ND
(c) Detected in the Method blank but below the reporting limit level.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-SS-08-08-10092025		
Lab Sample ID:	JE20825-5	**Date Sampled:**	10/09/25
Matrix:	AQ - Water	**Date Received:**	10/10/25
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2K25230.D	1	10/18/25 05:14	ED	n/a	n/a	V2K694
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.50	0.43	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
100-41-4	Ethylbenzene	8.5	1.0	0.60	ug/l	
1330-20-7	Xylene (total)	3.0	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		80-120%
17060-07-0	1,2-Dichloroethane-D4	94%		80-120%
2037-26-5	Toluene-D8	98%		80-120%
460-00-4	4-Bromofluorobenzene	89%		82-114%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-SS-08-08-10092025		
Lab Sample ID:	JE20825-5	**Date Sampled:**	10/09/25
Matrix:	AQ - Water	**Date Received:**	10/10/25
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CS9070.D	1	10/16/25 18:46	AC	10/15/25 06:45	OP68138A	ECS468
Run #2 [a]	CS9255.D	1	10/24/25 17:43	AC	10/21/25 19:30	OP68290A	ECS475

	Initial Volume	Final Volume
Run #1	250 ml	1.0 ml
Run #2	250 ml	1.0 ml

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.0724	0.080	0.040	ug/l	J
208-96-8	Acenaphthylene	ND	0.080	0.040	ug/l	
120-12-7	Anthracene	ND	0.080	0.040	ug/l	
56-55-3	Benzo(a)anthracene	0.0256	0.040	0.024	ug/l	J
50-32-8	Benzo(a)pyrene [b]	0.0396	0.040	0.024	ug/l	JB
205-99-2	Benzo(b)fluoranthene [b]	0.0599	0.040	0.024	ug/l	B
191-24-2	Benzo(g,h,i)perylene [b]	0.196	0.080	0.040	ug/l	B
207-08-9	Benzo(k)fluoranthene [b]	0.0689	0.080	0.040	ug/l	JB
218-01-9	Chrysene	ND	0.080	0.040	ug/l	
53-70-3	Dibenzo(a,h)anthracene [b]	0.299	0.080	0.040	ug/l	B
206-44-0	Fluoranthene	ND	0.080	0.040	ug/l	
86-73-7	Fluorene	ND	0.080	0.040	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene [b]	0.216	0.080	0.040	ug/l	B
91-20-3	Naphthalene [c]	3.91	0.080	0.040	ug/l	B
85-01-8	Phenanthrene	ND	0.080	0.040	ug/l	
129-00-0	Pyrene	ND	0.080	0.040	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	42%	31%	29-124%
321-60-8	2-Fluorobiphenyl	39%	34%	23-122%
1718-51-0	Terphenyl-d14	60%	53%	22-130%

(a) Sample extracted outside the holding time. Confirmation run.
(b) Detected in the Method blank. Confirmation run extracted out of hold, result was ND
(c) Detected in the Method blank but below the reporting limit level.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-SS-08-08-10092025		
Lab Sample ID:	JE20825-5	**Date Sampled:**	10/09/25
Matrix:	AQ - Water	**Date Received:**	10/10/25
Method:	SW846 8015D	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KM14114.D	1	10/13/25 20:03	JN	n/a	n/a	GKM591
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10) [a]	ND	0.20	0.11	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	88%		63-120%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-SS-08-08-10092025		
Lab Sample ID:	JE20825-5	**Date Sampled:**	10/09/25
Matrix:	AQ - Water	**Date Received:**	10/10/25
Method:	RSK-175	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA118156.D	50	10/22/25 10:14	WC	n/a	n/a	GAA3393
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	1260	5.5	4.0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-SS-08-08-10092025		
Lab Sample ID:	JE20825-5	**Date Sampled:**	10/09/25
Matrix:	AQ - Water	**Date Received:**	10/10/25
Method:	SW846 8015D SW846 3511	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Y97069.D	1	10/18/25 01:14	CB	10/14/25 19:00	OP68149	G3Y3746
Run #2							

	Initial Volume	Final Volume
Run #1	44.5 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	0.0520	0.090	0.043	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	103%		70-130%
438-22-2	5a-Androstane	98%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-SS-08-08-10092025
Lab Sample ID: JE20825-5
Matrix: AQ - Water
Project: Saratoga Springs, NY

Date Sampled: 10/09/25
Date Received: 10/10/25
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	3670	100	ug/l	1	10/14/25	10/15/25	LM	SW846 6010D [1]	SW846 3010A [2]
Manganese	541	15	ug/l	1	10/14/25	10/15/25	LM	SW846 6010D [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA59558
(2) Prep QC Batch: MP57944

RL = Reporting Limit

Report of Analysis

Client Sample ID: MW-SS-08-08-10092025
Lab Sample ID: JE20825-5
Matrix: AQ - Water
Project: Saratoga Springs, NY

Date Sampled: 10/09/25
Date Received: 10/10/25
Percent Solids: n/a

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3 [a]	519	5.0	mg/l	1	10/14/25 09:37	GTT	SM2320 B-11/21
Nitrogen, Nitrate [b]	< 0.11	0.11	mg/l	1	10/27/25 19:41	JD	EPA353.2/SM4500NO2B
Nitrogen, Nitrate + Nitrite	< 0.10	0.10	mg/l	1	10/27/25 19:41	JD	EPA 353.2/LACHAT
Nitrogen, Nitrite	< 0.010	0.010	mg/l	1	10/10/25 17:50	GT	SM4500NO2 B-11/21
Nitrogen, Total Kjeldahl	3.5	0.40	mg/l	1	10/14/25 18:06	SS	EPA 351.2/LACHAT
Sulfate	128	2.0	mg/l	1	10/21/25 02:08	MS	EPA 300/SW846 9056A
Sulfide	< 2.0	2.0	mg/l	1	10/13/25 14:07	GT	SM4500S2- F-11/21
Total Organic Carbon	4.2	1.0	mg/l	1	10/16/25 05:46	MB	SM5310 B-11/14

(a) Sample was titrated to a final pH of 4.5.
(b) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-SS-08-08-10092025		
Lab Sample ID:	JE20825-5A	**Date Sampled:**	10/09/25
Matrix:	AQ - Water	**Date Received:**	10/10/25
Method:	SW846 8015D SW846 3511	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Y97073.D	1	10/18/25 02:33	CB	10/14/25 19:00	OP68149	G3Y3746
Run #2							

	Initial Volume	Final Volume
Run #1	47.3 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	0.0720	0.085	0.041	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	103%		70-130%
438-22-2	5a-Androstane	96%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	JE20825-6	**Date Sampled:**	10/09/25
Matrix:	AQ - Trip Blank Water	**Date Received:**	10/10/25
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2K25224.D	1	10/18/25 03:33	ED	n/a	n/a	V2K694
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.50	0.43	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		80-120%
17060-07-0	1,2-Dichloroethane-D4	87%		80-120%
2037-26-5	Toluene-D8	99%		80-120%
460-00-4	4-Bromofluorobenzene	90%		82-114%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

WW
TB

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200
www.sgs.com/ehsusa

Page 1 of 2

E

FED-EX Tracking # 9297 3940 9999
SGS Quote #
Bottle Order Control # TM-093025-169
SGS Job # JE20825

Client / Reporting Information	Project Information
Company Name: Arcadis	Project Name: NG Saratoga
Street Address: 646 Plank Rd Suite 100	Street:
City: Clifton Park State: Zip: 12065	City: State:
Project Contact: Matt Hysell E-mail: matthysell@arcadis.com	Project #: 30003945
Phone #: 315 671-9189	Client Purchase Order #
Sampler(s) Name(s): KK AF Phone #	Project Manager: Matt Hysell

Billing Information (if different from Report to)
Company Name:
Street Address:
City: State: Zip:
Attention:

Analysis Requested: BTEX; PAH's (SIM); Iron and Manganese; Sulfate; Sulfide; TPH DRO SGC; TPH DRO; TPH GRO; Alkalinity; TKN; Nitrate

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED - Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB-Equipment Blank; RB - Rinse Blank; TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection: Date	Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	pH Check (Lab Use Only)	LAB USE ONLY
1	MW-EPA-07		10/9/25	12:05	KK/AF	G			24									X X X X X X X X X X X	FIG
2	MS		10/9/25	15:00	KK/AF	G			24									X X X X X X X X X X X	~~A34~~
3	DUP		10/9/25	—	KK/AF	G			24									X X X X X X X X X X X	
4	MW-SS-08-05		10/9/25	9:45	KK/AF	G			5									X X	A34
5	MW-SS-08-08		10/9/25	12:10	KK/AF	G			24									X X X X X X X X X X X	CIR
6	Trip Blank		10/9/25	—	KK/AF	G			2									X	1673

Initial Assessment 1/8 TX
Label Verification

Turn Around Time (Business Days)

Approved By (SGS PM) / Date:

- [ ] 10 Business Days
- [ ] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other

All data available via SGS Engage

* Approval needed for 1-3 BD TAT

Deliverable

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NJGW Criteria 2025 *new*
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] MA MCP Criteria
- [ ] CT RCP Criteria
- [ ] State Forms
- [ ] EDD Format

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Lab to perform TPH DRO AND SGC TPH DRO
• 2x250mL 8270

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished By: 1 Kathryn Knapp	Date / Time: 10/9/25 17:00	Received By: 1 FEDEX	Relinquished By: 2 FEDEX	Date / Time: 10/10 09	Received By: 2	
Relinquished By: 3	Date / Time:	Received By: 3	Relinquished By: 4	Date / Time:	Received By: 4	
Relinquished By: 5	Date / Time:	Received By: 5	Custody Seal # ☐ Intact ☐ Not intact ☐ Absent		Therm ID: See Sample Receipt Summary	On Ice Cooler Temp. °C 3.2

Ref No: G1

5.1 5

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200
www.sgs.com/ehsusa

FED-EX Tracking # | Bottle Order Control #
SGS Quote # | SGS Job # JE20825

Client / Reporting Information

Company Name: Arcadis
Street Address: 6946 Plank Rd Suite 100
City: Clifton Park State: NY Zip: 12065
Project Contact: Matt Hysell E-mail: Matt.hysell@arcadis.com
Phone #: 315-671-9189
Sampler(s) Name(s): KK AF Phone #:

Project Information

Project Name: NG Saratoga
Street:
City: State:
Project #: 30003745
Client Purchase Order #:
Project Manager: Matt Hysell
Attention:

Billing Information (if different from Report to)

Company Name:
Street Address:
City: State: Zip:

Analysis Requested

TOC
Methane

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED - Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB - Field Blank
EB-Equipment Blank
RB - Rinse Blank
TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	pH Check (Lab Use Only)	LAB USE ONLY
1	MW-EPA-07		10/9/25	12:05	KK AF				24									X X	
2	MS		10/9/25	15:00	KK AF				24									X X	
3	DUP		10/9/25	—	KK AF				24									X X	
5	MW-SS-08-08		10/9/25	12:10	KK AF				24									X X	

Turn Around Time (Business Days)

Approved By (SGS PM) / Date:

- 10 Business Days
- 5 Business Days
- 3 Business Days*
- 2 Business Days*
- 1 Business Day*
- Other

All data available via SGS Engage

* Approval needed for 1-3 BD TAT

Deliverable

- Commercial "A" (Level 1)
- Commercial "B" (Level 2)
- NJ Reduced (Level 3)
- Full Tier I (Level 4)
- Commercial "C"
- NJ DKQP
- NJGW Criteria 2025 *new*
- NYASP Category A
- NYASP Category B
- MA MCP Criteria ____
- CT RCP Criteria ____
- State Forms
- EDD Format ____

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished By:	Date / Time:	Received By:
1		10/9/25 1500	FED EX
2	FED EX	10/10 10:00	
3			
4			
5			

Custody Seal # ☐ Intact ☐ Not intact ☐ Absent

Therm ID: Orrice See Sample Receipt Summary

Cooler Temp. °C

Ref No: G140222989

SGS Sample Receipt Summary

Job Number: JE20825 **Client:** ARCADIS U.S. **Project:** SARATOGA SPRINGS, NY

Date / Time Received: 10/10/2025 10:00:00 AM **Delivery Method:** FED EX **Airbill #'s:** 4392 3980 2999

Cooler Temps (Raw Measured) °C: Cooler 1: (4.0); Cooler 2: (3.2);

Cooler Temps (Corrected) °C: Cooler 1: (4.1); Cooler 2: (3.3);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR-50		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	2		

Quality Control Preservatio	Y	or	N	N/A
1. Trip Blank present / cooler:	☑		☐	☐
2. Trip Blank listed on COC:	☑		☐	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

WW
TB

SGS CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200
www.sgs.com/ehsusa

Page 1 of 2

E

SGS QC Number: 9227-8790 999 9
SGS Quote #:
Bottle Order Control #: DM-893, 25-167
SGS Job #: JE20825

Client / Reporting Information

Company Name: Arcadis
Street Address: 646 Plank Rd Suite 100
City: Clifton Park State: — Zip: 12065
Project Contact: Matt Hyscil E-mail: matthyscil@arcadis.com
Phone #: 315 671-9189
Sampler(s) Name(s): KK AF Phone #:

Project Information

Project Name: NG Saratoga
Street:
City: State:
Project #: 30003945
Client Purchase Order #:
Project Manager: Matt Hyscil

Billing Information (If different from Report to)

Company Name:
Street Address:
City: State: Zip:
Attention:

Analysis Requested

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	BTEX	PAH's (SIM)	iron and Manganese	Sulfate	Sulfide	TPH DRO	SGC TPH DRO	TPH GRO	Alkalinity	TKN	Nitrate	LAB USE ONLY
1	MW-EPA-07		10/9/25	12:05	KK/AF	G			24									X	X	X	X	X	X	X	X	X	X	X	F106
2	MS		10/9/25	15:00	KK/AF	G			24									X	X	X	X	X	X	X	X	X	X	X	
3	DUP		10/9/25	—	KK/AF	G			24									X	X	X	X	X	X	X	X	X	X	X	
4	MW-SS-08-05		10/9/25	9:45	KK/AF	G			5									X	X										A34
5	MW-SS-08-08		10/9/25	12:10	KK/AF	G			24									X	X	X	X	X	X	X	X	X	X	X	A34
6	Trip Blank		10/9/25	—	KK/AF	G			2									X											C12
																													W73

pH Check (Lab Use Only)

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED - Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB-Equipment Blank; RB - Rinse Blank; TB - Trip Blank

Turn Around Time (Business Days)

Approved By (SGS PM) / Date:

- [ ] 10 Business Days
- [ ] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other

All data available via SGS Engage

* Approval needed for 1-3 BD TAT

Deliverable

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NJGW Criteria 2025 "new"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] MA MCP Criteria ____
- [ ] CT RCP Criteria ____
- [ ] State Forms
- [ ] EDD Format ____

Commercial "A" = Results only, Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Lab to perform TPH DRO AND SGC TPH DRO
• 2x250 mL Bottle

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished By:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1	Kathryn Knapp	10/9/25 17:00	FEDEX	FEDEX	10/10 09	
2						
3						
4						
5						

Custody Seal #: ☐ Intact ☐ Not Intact ☐ Absent
Therm ID: On Ice
Cooler Temp. °C: 3.2

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200
www.sgs.com/ehsusa

Page 2 of 2

SGS Job # JE20825

Client / Reporting Information

Company Name: Arcadis
Street Address: 6446 Plank Rd Suite 100
City: Clifton Park State: NY Zip: 12065
Project Contact: Matt Hysell E-mail: Matt.hysell@arcadis.com
Phone #: 315-641-9189
Sampler(s) Name(s): KK AF Phone #:

Project Information

Project Name: NG Saratoga
Project #: 30003745
Client Purchase Order #:
Project Manager: Matt Hysell

Billing Information (if different from Report to)
Company Name:
Street Address:
City: State: Zip:
Attention:

Analysis Requested

TOC
Methane

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED - Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB - Field Blank
EB-Equipment Blank
RB - Rinse Blank
TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	pH Check (Lab Use Only)		LAB USE ONLY
1	MW-EPA-07		10/9/25	12:05	KK/AF				24									X	X	
2	MS		10/9/25	15:00	KK/AF				24									X	X	
3	DUP		10/9/25	—	KK/AF				24									X	X	
5	MW-SS-08-08		10/9/25	12:10	KK/AF				24									X	X	

Turn Around Time (Business Days)

Approved By (SGS PM) / Date:

- [ ] 10 Business Days
- [ ] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other

Deliverable

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NJQW Criteria 2025 "new"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] MA MCP Criteria
- [ ] CT RCP Criteria
- [ ] State Forms
- [ ] EDD Format

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

1 Relinquished By:	Date / Time: 10/13/25 1800	1 Received By: FED EX	2 Relinquished By: FED EX	Date / Time: 10/15 10:00	2 Received By:
3 Relinquished By:	Date / Time:	3 Received By:	4 Relinquished By:	Date / Time:	4 Received By:
5 Relinquished By:	Date / Time:	5 Received By:	Custody Seal #	☐ Intact ☐ Not Intact	Therm ID: Cooler Temp. °C

Internal Sample Tracking Chronicle

Arcadis

Job No: JE20825

Saratoga Springs, NY
Project No: 30003945

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JE20825-1 Collected: 09-OCT-25 12:05 By: KK/AF Received: 10-OCT-25 By: JK MW-EPA-07-10092025						
JE20825-1	SM4500NO2 B-11/21	10-OCT-25 17:50	GT			NO2
JE20825-1	SM4500S2- F-11/21	13-OCT-25 14:07	GT			S
JE20825-1	SM2320 B-11/21	14-OCT-25 09:37	GTT			ALK
JE20825-1	EPA 351.2/LACHAT	14-OCT-25 17:59	SS	14-OCT-25	SS	TKN
JE20825-1	SW846 6010D	15-OCT-25 19:14	LM	14-OCT-25	SK	FE,MN
JE20825-1	SM5310 B-11/14	16-OCT-25 04:44	MB	13-OCT-25	MB	TOC
JE20825-1	SW846 8270E BY SIM	16-OCT-25 17:00	AC	15-OCT-25	NT	BLV8270SIMPAH
JE20825-1	SW846 8015D	18-OCT-25 00:14	CB	14-OCT-25	BA	BLV8015DRO
JE20825-1	SW846 8260D	18-OCT-25 01:18	ED			V8260BTX
JE20825-1	EPA 300/SW846 9056A	20-OCT-25 22:03	MS	20-OCT-25	MS	SO4
JE20825-1	SW846 8015D	21-OCT-25 12:41	JN			V8015GRO
JE20825-1	RSK-175	22-OCT-25 09:18	WC			VRSK175CH4
JE20825-1	SW846 8270E BY SIM	24-OCT-25 16:23	AC	21-OCT-25	SGC	BLV8270SIMPAH
JE20825-1	SW846 8270E BY SIM	27-OCT-25 17:41	RS	15-OCT-25	NT	BLV8270SIMPAH
JE20825-1	SW846 8270E BY SIM	27-OCT-25 18:06	RS	15-OCT-25	NT	BLV8270SIMPAH
JE20825-1	EPA353.2/SM4500NO2B	27-OCT-25 19:26	JD			NO3O
JE20825-1	EPA 353.2/LACHAT	27-OCT-25 19:26	JD	27-OCT-25	JD	NO32
JE20825-3 Collected: 09-OCT-25 00:00 By: KK/AF Received: 10-OCT-25 By: JK DUP-10092025						
JE20825-3	SM4500NO2 B-11/21	10-OCT-25 17:50	GT			NO2
JE20825-3	SM4500S2- F-11/21	13-OCT-25 14:07	GT			S
JE20825-3	SM2320 B-11/21	14-OCT-25 09:37	GTT			ALK
JE20825-3	SW846 8015D	14-OCT-25 15:44	JN			V8015GRO
JE20825-3	EPA 351.2/LACHAT	14-OCT-25 18:00	SS	14-OCT-25	SS	TKN
JE20825-3	SW846 6010D	15-OCT-25 19:19	LM	14-OCT-25	SK	FE,MN
JE20825-3	SM5310 B-11/14	16-OCT-25 05:25	MB	13-OCT-25	MB	TOC
JE20825-3	SW846 8270E BY SIM	16-OCT-25 17:53	AC	15-OCT-25	NT	BLV8270SIMPAH
JE20825-3	SW846 8015D	18-OCT-25 00:54	CB	14-OCT-25	BA	BLV8015DRO
JE20825-3	SW846 8260D	18-OCT-25 04:07	ED			V8260BTX
JE20825-3	EPA 300/SW846 9056A	21-OCT-25 01:55	MS	20-OCT-25	MS	SO4
JE20825-3	RSK-175	22-OCT-25 09:44	WC			VRSK175CH4
JE20825-3	SW846 8270E BY SIM	24-OCT-25 16:50	AC	21-OCT-25	SGC	BLV8270SIMPAH
JE20825-3	SW846 8270E BY SIM	27-OCT-25 18:31	RS	15-OCT-25	NT	BLV8270SIMPAH
JE20825-3	SW846 8270E BY SIM	27-OCT-25 18:56	RS	15-OCT-25	NT	BLV8270SIMPAH
JE20825-3	EPA353.2/SM4500NO2B	27-OCT-25 19:27	JD			NO3O

Internal Sample Tracking Chronicle

Arcadis

Job No: JE20825

Saratoga Springs, NY
Project No: 30003945

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JE20825-3	EPA 353.2/LACHAT	27-OCT-25 19:27	JD	27-OCT-25	JD	NO32
JE20825-4	Collected: 09-OCT-25 09:45 By: KK/AF		Received: 10-OCT-25 By: JK			
MW-SS-08-05-10092025						
JE20825-4	SW846 8270E BY SIM	16-OCT-25 18:20	AC	15-OCT-25	KB	BLV8270SIMPAH
JE20825-4	SW846 8260D	18-OCT-25 04:41	ED			V8260BTX
JE20825-4	SW846 8270E BY SIM	24-OCT-25 17:17	AC	21-OCT-25	SGC	BLV8270SIMPAH
JE20825-5	Collected: 09-OCT-25 12:10 By: KK/AF		Received: 10-OCT-25 By: JK			
MW-SS-08-08-10092025						
JE20825-5	SM4500NO2 B-11/21	10-OCT-25 17:50	GT			NO2
JE20825-5	SM4500S2- F-11/21	13-OCT-25 14:07	GT			S
JE20825-5	SW846 8015D	13-OCT-25 20:03	JN			V8015GRO
JE20825-5	SM2320 B-11/21	14-OCT-25 09:37	GTT			ALK
JE20825-5	EPA 351.2/LACHAT	14-OCT-25 18:06	SS	14-OCT-25	SS	TKN
JE20825-5	SW846 6010D	15-OCT-25 19:24	LM	14-OCT-25	SK	FE,MN
JE20825-5	SM5310 B-11/14	16-OCT-25 05:46	MB	13-OCT-25	MB	TOC
JE20825-5	SW846 8270E BY SIM	16-OCT-25 18:46	AC	15-OCT-25	KB	BLV8270SIMPAH
JE20825-5	SW846 8015D	18-OCT-25 01:14	CB	14-OCT-25	BA	BLV8015DRO
JE20825-5	SW846 8260D	18-OCT-25 05:14	ED			V8260BTX
JE20825-5	EPA 300/SW846 9056A	21-OCT-25 02:08	MS	20-OCT-25	MS	SO4
JE20825-5	RSK-175	22-OCT-25 10:14	WC			VRSK175CH4
JE20825-5	SW846 8270E BY SIM	24-OCT-25 17:43	AC	21-OCT-25	SGC	BLV8270SIMPAH
JE20825-5	EPA353.2/SM4500NO2B	27-OCT-25 19:41	JD			NO3O
JE20825-5	EPA 353.2/LACHAT	27-OCT-25 19:41	JD	27-OCT-25	JD	NO32
JE20825-6	Collected: 09-OCT-25 15:00 By: KK/AF		Received: 10-OCT-25 By: JK			
TRIP BLANK						
JE20825-6	SW846 8260D	18-OCT-25 03:33	ED			V8260BTX
JE20825-1A	Collected: 09-OCT-25 12:05 By: KK/AF		Received: 10-OCT-25 By: JK			
MW-EPA-07-10092025						
JE20825-1A	SW846 8015D	18-OCT-25 01:34	CB	14-OCT-25	BA	BLV8015DRO

Internal Sample Tracking Chronicle

Arcadis

Job No: JE20825

Saratoga Springs, NY
Project No: 30003945

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JE20825-3A	Collected: 09-OCT-25 00:00 By: KK/AF Received: 10-OCT-25 By: JK DUP-10092025					
JE20825-3A	SW846 8015D	18-OCT-25 02:13	CB	14-OCT-25	BA	BLV8015DRO
JE20825-5A	Collected: 09-OCT-25 12:10 By: KK/AF Received: 10-OCT-25 By: JK MW-SS-08-08-10092025					
JE20825-5A	SW846 8015D	18-OCT-25 02:33	CB	14-OCT-25	BA	BLV8015DRO

SGS Internal Chain of Custody

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY
Received: 10/10/25

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE20825-1.1	Timothy Xu	Secured Storage	10/10/25 20:51	Return to Storage
JE20825-1.1	Secured Storage	Jabaery Ellis	10/13/25 23:18	Retrieve from Storage
JE20825-1.1	Jabaery Ellis	Secured Staging Area	10/13/25 23:20	Return to Storage
JE20825-1.1	Secured Staging Area	Doaa Salem	10/14/25 04:05	Retrieve from Storage
JE20825-1.1	Doaa Salem		10/15/25 03:55	Depleted
JE20825-1.1.1	Doaa Salem	Organics Prep	10/14/25 04:17	Extract from JE20825-1.1
JE20825-1.1.1	Organics Prep	Brandon Davis	10/16/25 01:15	Extract from JE20825-1.1
JE20825-1.1.1	Brandon Davis	Extract Storage	10/16/25 01:15	Return to Storage
JE20825-1.2	Timothy Xu	Secured Storage	10/10/25 20:51	Return to Storage
JE20825-1.2	Secured Storage	Jabaery Ellis	10/13/25 23:18	Retrieve from Storage
JE20825-1.2	Jabaery Ellis	Secured Staging Area	10/13/25 23:20	Return to Storage
JE20825-1.2	Secured Staging Area	Doaa Salem	10/14/25 04:05	Retrieve from Storage
JE20825-1.2	Doaa Salem		10/15/25 03:55	Depleted
JE20825-1.2	Jabaery Ellis	Secured Storage	10/17/25 14:58	Return to Storage
Analyst chain of custody update error.				
JE20825-1.2	Secured Storage	Garry Onindo	10/19/25 14:26	Retrieve from Storage
JE20825-1.2	Garry Onindo	Secured Storage	10/19/25 17:20	Return to Storage
JE20825-1.2.1	Doaa Salem	Organics Prep	10/14/25 04:17	Extract from JE20825-1.2
JE20825-1.2.1	Organics Prep	Brandon Davis	10/16/25 01:15	Extract from JE20825-1.2
JE20825-1.2.1	Brandon Davis	Extract Storage	10/16/25 01:15	Return to Storage
JE20825-1.2.2	Garry Onindo	Organics Prep	10/19/25 16:00	Extract from JE20825-1.2
JE20825-1.3	Timothy Xu	Secured Storage	10/10/25 20:51	Return to Storage
JE20825-1.3	Secured Storage	Ziyhon Parham	10/13/25 22:25	Retrieve from Storage
JE20825-1.3	Ziyhon Parham	Secured Staging Area	10/13/25 22:27	Return to Storage
JE20825-1.3	Secured Staging Area	Sena Kim	10/14/25 08:07	Retrieve from Storage
JE20825-1.3	Sena Kim	Secured Storage	10/14/25 17:05	Return to Storage
JE20825-1.3	Secured Storage	Brianna Perez	10/17/25 11:53	Retrieve from Storage
JE20825-1.3	Brianna Perez	Secured Storage	10/17/25 17:44	Return to Storage
JE20825-1.4	Timothy Xu	Secured Storage	10/10/25 20:38	Return to Storage
JE20825-1.4	Secured Storage	Dave Hunkele	10/14/25 07:51	Retrieve from Storage
JE20825-1.4	Dave Hunkele	Secured Staging Area	10/14/25 07:51	Return to Storage
JE20825-1.4	Secured Staging Area	Sarah Sarantopoulos	10/14/25 09:48	Retrieve from Storage
JE20825-1.4	Sarah Sarantopoulos	Secured Storage	10/14/25 09:48	Return to Storage
JE20825-1.4	Secured Storage	Todd Shoemaker	10/20/25 15:24	Retrieve from Storage
JE20825-1.4	Todd Shoemaker	Secured Staging Area	10/20/25 15:25	Return to Storage
JE20825-1.4	Secured Staging Area	Sarah Sarantopoulos	10/20/25 17:56	Retrieve from Storage
JE20825-1.4	Sarah Sarantopoulos	Secured Storage	10/23/25 10:25	Return to Storage
JE20825-1.4	Secured Storage	Dave Hunkele	10/25/25 07:53	Retrieve from Storage

SGS Internal Chain of Custody

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY
Received: 10/10/25

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE20825-1.4	Dave Hunkele	Secured Staging Area	10/25/25 07:53	Return to Storage
JE20825-1.4	Secured Staging Area	Joseph Dye	10/27/25 21:16	Retrieve from Storage
JE20825-1.4	Joseph Dye	Secured Storage	10/27/25 21:17	Return to Storage
JE20825-1.5	Timothy Xu	Secured Storage	10/10/25 20:38	Return to Storage
JE20825-1.6	Timothy Xu	Secured Storage	10/10/25 20:38	Return to Storage
JE20825-1.6	Secured Storage	Todd Shoemaker	10/13/25 10:44	Retrieve from Storage
JE20825-1.6	Todd Shoemaker	Secured Staging Area	10/13/25 10:45	Return to Storage
JE20825-1.6	Secured Staging Area	Grace Tambaro	10/13/25 10:52	Retrieve from Storage
JE20825-1.6	Grace Tambaro		10/13/25 13:44	Depleted
JE20825-1.7	Timothy Xu	Secured Storage	10/10/25 20:38	Return to Storage
JE20825-1.7	Secured Storage	Todd Shoemaker	10/13/25 10:44	Retrieve from Storage
JE20825-1.7	Todd Shoemaker	Secured Staging Area	10/13/25 10:45	Return to Storage
JE20825-1.7	Secured Staging Area	Grace Tambaro	10/13/25 10:52	Retrieve from Storage
JE20825-1.7	Grace Tambaro		10/13/25 13:44	Depleted
JE20825-1.8	Timothy Xu	Secured Storage	10/10/25 20:38	Return to Storage
JE20825-1.8	Secured Storage	Todd Shoemaker	10/13/25 10:06	Retrieve from Storage
JE20825-1.8	Todd Shoemaker	Secured Staging Area	10/13/25 10:06	Return to Storage
JE20825-1.8	Secured Staging Area	Grace Tambaro	10/13/25 10:18	Retrieve from Storage
JE20825-1.8	Grace Tambaro	Secured Storage	10/13/25 14:24	Return to Storage
JE20825-1.9	Timothy Xu	Secured Storage	10/10/25 20:38	Return to Storage
JE20825-1.9	Secured Storage	Todd Shoemaker	10/20/25 15:24	Retrieve from Storage
JE20825-1.9	Todd Shoemaker	Secured Staging Area	10/20/25 15:25	Return to Storage
JE20825-1.9	Secured Staging Area	Sarah Sarantopoulos	10/20/25 17:56	Retrieve from Storage
JE20825-1.9	Sarah Sarantopoulos	Secured Storage	10/23/25 10:25	Return to Storage
JE20825-1.11	Nis Patel	Secured Storage	10/10/25 17:39	Return to Storage
JE20825-1.12	Nis Patel	Secured Storage	10/10/25 17:39	Return to Storage
JE20825-1.12	Secured Storage	Melanie Buen	10/13/25 13:11	Retrieve from Storage
JE20825-1.12	Melanie Buen	Secured Storage	10/16/25 15:15	Return to Storage
JE20825-1.13	Nis Patel	Secured Storage	10/10/25 17:39	Return to Storage
JE20825-1.14	Nis Patel	Secured Storage	10/10/25 17:39	Return to Storage
JE20825-1.14	Secured Storage	Jabaery Ellis	10/13/25 23:26	Retrieve from Storage
JE20825-1.14	Jabaery Ellis	Secured Staging Area	10/13/25 23:26	Return to Storage
JE20825-1.14	Brandon Davis	Sylvia Grace Cucchiaro	10/14/25 15:32	Custody Transfer
Analyst unavailable for custody transfer.				
JE20825-1.14	Sylvia Grace Cucchiaro	Secured Storage	10/15/25 01:30	Return to Storage

SGS Internal Chain of Custody

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY
Received: 10/10/25

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE20825-1.14.1	Sylvia Grace Cucchiaro	Organics Prep	10/14/25 15:38	Extract from JE20825-1.14
JE20825-1.15	Nis Patel	Secured Storage	10/10/25 17:39	Return to Storage
JE20825-1.15	Secured Storage	Jabaery Ellis	10/13/25 23:26	Retrieve from Storage
JE20825-1.15	Jabaery Ellis	Secured Staging Area	10/13/25 23:26	Return to Storage
JE20825-1.15	Brandon Davis	Sylvia Grace Cucchiaro	10/14/25 15:32	Custody Transfer
Analyst unavailable for custody transfer.				
JE20825-1.15	Sylvia Grace Cucchiaro	Secured Storage	10/15/25 01:30	Return to Storage
JE20825-1.15.1	Sylvia Grace Cucchiaro	Organics Prep	10/14/25 15:38	Extract from JE20825-1.15
JE20825-1.16	Nis Patel	Secured Storage	10/10/25 17:39	Return to Storage
JE20825-1.17	Nis Patel	Secured Storage	10/10/25 17:39	Return to Storage
JE20825-1.18	Nis Patel	Secured Storage	10/10/25 17:39	Return to Storage
JE20825-1.18	Secured Storage	William Cruser	10/22/25 06:58	Retrieve from Storage
JE20825-1.18	William Cruser		10/24/25 16:37	Depleted
JE20825-1.19	Nis Patel	Secured Storage	10/10/25 17:39	Return to Storage
JE20825-1.20	Nis Patel	Secured Storage	10/10/25 17:39	Return to Storage
JE20825-1.21	Nis Patel	Secured Storage	10/10/25 17:39	Return to Storage
JE20825-1.21	Secured Storage	John Nieradka	10/13/25 12:00	Retrieve from Storage
JE20825-1.21	John Nieradka	GCKM	10/13/25 12:00	Load on Instrument
JE20825-1.22	Nis Patel	Secured Storage	10/10/25 17:39	Return to Storage
JE20825-1.22	Secured Storage	John Nieradka	10/14/25 13:17	Retrieve from Storage
JE20825-1.22	John Nieradka	GCKM	10/14/25 13:17	Load on Instrument
JE20825-1.23	Nis Patel	Secured Storage	10/10/25 17:39	Return to Storage
JE20825-1.24	Nis Patel	Secured Storage	10/10/25 17:39	Return to Storage
JE20825-1.25	Ziyhon Parham	Secured Storage	10/16/25 15:46	Return to Storage
JE20825-1.26	Ziyhon Parham	Secured Storage	10/16/25 15:46	Return to Storage
JE20825-1.27	Ziyhon Parham	Secured Storage	10/16/25 15:46	Return to Storage
JE20825-1.28	Ziyhon Parham	Secured Storage	10/16/25 15:46	Return to Storage

SGS Internal Chain of Custody

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY
Received: 10/10/25

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE20825-1.29	Ziyhon Parham	Secured Storage	10/16/25 15:46	Return to Storage
JE20825-1.30	Ziyhon Parham	Secured Storage	10/16/25 15:46	Return to Storage
JE20825-1.31	Ziyhon Parham	Secured Storage	10/16/25 15:46	Return to Storage
JE20825-1.32	Ziyhon Parham	Secured Storage	10/16/25 15:46	Return to Storage
JE20825-1.32	Secured Storage	Todd Shoemaker	10/17/25 11:52	Retrieve from Storage
JE20825-1.32	Todd Shoemaker	Secured Staging Area	10/17/25 11:52	Return to Storage
JE20825-1.32	Secured Staging Area	Grace Tambaro	10/17/25 11:58	Retrieve from Storage
JE20825-1.32	Grace Tambaro	Secured Storage	10/17/25 17:04	Return to Storage
JE20825-1.33	Ziyhon Parham	Secured Storage	10/16/25 15:46	Return to Storage
JE20825-1.34	Ziyhon Parham	Secured Storage	10/16/25 15:46	Return to Storage
JE20825-1.35	Ziyhon Parham	Secured Storage	10/16/25 15:46	Return to Storage
JE20825-1.36	Ziyhon Parham	Secured Storage	10/16/25 15:46	Return to Storage
JE20825-1.37	Ziyhon Parham	Secured Storage	10/16/25 15:46	Return to Storage
JE20825-1.38	Ziyhon Parham	Secured Storage	10/16/25 15:46	Return to Storage
JE20825-1.39	Ziyhon Parham	Secured Storage	10/16/25 15:46	Return to Storage
JE20825-1.40	Ziyhon Parham	Secured Storage	10/16/25 15:46	Return to Storage
JE20825-1.41	Ziyhon Parham	Secured Storage	10/16/25 15:46	Return to Storage
JE20825-1.42	Ziyhon Parham	Secured Storage	10/16/25 15:46	Return to Storage
JE20825-1.43	Ziyhon Parham	Secured Storage	10/16/25 15:46	Return to Storage
JE20825-1.43	Secured Storage	John Nieradka	10/21/25 12:17	Retrieve from Storage
JE20825-1.43	John Nieradka	GCKM	10/21/25 12:17	Load on Instrument
JE20825-1.44	Ziyhon Parham	Secured Storage	10/16/25 15:46	Return to Storage
JE20825-1.44	Secured Storage	John Nieradka	10/21/25 12:17	Retrieve from Storage
JE20825-1.44	John Nieradka	GCKM	10/21/25 12:17	Load on Instrument
JE20825-1.45	Ziyhon Parham	Secured Storage	10/16/25 15:46	Return to Storage
JE20825-1.46	Ziyhon Parham	Secured Storage	10/16/25 15:46	Return to Storage

SGS Internal Chain of Custody

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY
Received: 10/10/25

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE20825-1.47	Ziyhon Parham	Secured Storage	10/16/25 15:46	Return to Storage
JE20825-1.47	Secured Storage	John Nieradka	10/21/25 12:17	Retrieve from Storage
JE20825-1.47	John Nieradka	GCKM	10/21/25 12:17	Load on Instrument
JE20825-1.48	James Kwon	Secured Storage	10/16/25 18:32	Return to Storage
JE20825-1.48	Secured Storage	Dave Hunkele	10/25/25 07:53	Retrieve from Storage
JE20825-1.48	Dave Hunkele	Secured Staging Area	10/25/25 07:53	Return to Storage
JE20825-1.48	Secured Staging Area	Joseph Dye	10/27/25 21:16	Retrieve from Storage
JE20825-1.48	Joseph Dye	Secured Storage	10/27/25 21:17	Return to Storage
JE20825-1.49	James Kwon	Secured Storage	10/16/25 18:32	Return to Storage
JE20825-1.50	James Kwon	Secured Storage	10/16/25 18:32	Return to Storage
JE20825-1.51	James Kwon	Secured Storage	10/16/25 18:32	Return to Storage
JE20825-1.52	James Kwon	Secured Storage	10/16/25 18:32	Return to Storage
JE20825-3.1	Timothy Xu	Secured Storage	10/10/25 20:51	Return to Storage
JE20825-3.1	Secured Storage	Ayse Yilmaz	10/20/25 10:22	Retrieve from Storage
JE20825-3.1	Ayse Yilmaz		10/21/25 07:11	Depleted
JE20825-3.1.1	Ayse Yilmaz	Organics Prep	10/20/25 10:23	Extract from JE20825-3.1
JE20825-3.2	Timothy Xu	Secured Storage	10/10/25 20:51	Return to Storage
JE20825-3.2	Secured Storage	Jabaery Ellis	10/13/25 23:18	Retrieve from Storage
JE20825-3.2	Jabaery Ellis	Secured Staging Area	10/13/25 23:20	Return to Storage
JE20825-3.2	Secured Staging Area	Doaa Salem	10/14/25 04:05	Retrieve from Storage
JE20825-3.2	Doaa Salem		10/15/25 03:55	Depleted
JE20825-3.2.1	Doaa Salem	Organics Prep	10/14/25 04:17	Extract from JE20825-3.2
JE20825-3.2.1	Organics Prep	Brandon Davis	10/16/25 01:15	Extract from JE20825-3.2
JE20825-3.2.1	Brandon Davis	Extract Storage	10/16/25 01:15	Return to Storage
JE20825-3.3	Timothy Xu	Secured Storage	10/10/25 20:51	Return to Storage
JE20825-3.3	Secured Storage	Ziyhon Parham	10/13/25 22:25	Retrieve from Storage
JE20825-3.3	Ziyhon Parham	Secured Staging Area	10/13/25 22:27	Return to Storage
JE20825-3.3	Secured Staging Area	Sena Kim	10/14/25 08:07	Retrieve from Storage
JE20825-3.3	Sena Kim	Secured Storage	10/14/25 17:05	Return to Storage
JE20825-3.4	Timothy Xu	Secured Storage	10/10/25 20:38	Return to Storage
JE20825-3.4	Secured Storage	Dave Hunkele	10/14/25 07:51	Retrieve from Storage
JE20825-3.4	Dave Hunkele	Secured Staging Area	10/14/25 07:51	Return to Storage
JE20825-3.4	Secured Staging Area	Sarah Sarantopoulos	10/14/25 09:48	Retrieve from Storage

SGS Internal Chain of Custody

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY
Received: 10/10/25

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE20825-3.4	Sarah Sarantopoulos	Secured Storage	10/14/25 09:48	Return to Storage
JE20825-3.4	Secured Storage	Dave Hunkele	10/25/25 07:53	Retrieve from Storage
JE20825-3.4	Dave Hunkele	Secured Staging Area	10/25/25 07:53	Return to Storage
JE20825-3.4	Secured Staging Area	Joseph Dye	10/27/25 21:16	Retrieve from Storage
JE20825-3.4	Joseph Dye	Secured Storage	10/27/25 21:17	Return to Storage
JE20825-3.5	Timothy Xu	Secured Storage	10/10/25 20:38	Return to Storage
JE20825-3.6	Timothy Xu	Secured Storage	10/10/25 20:38	Return to Storage
JE20825-3.6	Secured Storage	Todd Shoemaker	10/13/25 10:44	Retrieve from Storage
JE20825-3.6	Todd Shoemaker	Secured Staging Area	10/13/25 10:45	Return to Storage
JE20825-3.6	Secured Staging Area	Grace Tambaro	10/13/25 10:52	Retrieve from Storage
JE20825-3.6	Grace Tambaro	Secured Storage	10/13/25 14:24	Return to Storage
JE20825-3.7	Timothy Xu	Secured Storage	10/10/25 20:38	Return to Storage
JE20825-3.7	Secured Storage	Todd Shoemaker	10/13/25 10:44	Retrieve from Storage
JE20825-3.7	Todd Shoemaker	Secured Staging Area	10/13/25 10:45	Return to Storage
JE20825-3.7	Secured Staging Area	Grace Tambaro	10/13/25 10:52	Retrieve from Storage
JE20825-3.7	Grace Tambaro		10/13/25 13:44	Depleted
JE20825-3.8	Timothy Xu	Secured Storage	10/10/25 20:38	Return to Storage
JE20825-3.8	Secured Storage	Todd Shoemaker	10/13/25 10:06	Retrieve from Storage
JE20825-3.8	Todd Shoemaker	Secured Staging Area	10/13/25 10:06	Return to Storage
JE20825-3.8	Secured Staging Area	Grace Tambaro	10/13/25 10:18	Retrieve from Storage
JE20825-3.8	Grace Tambaro	Secured Storage	10/13/25 14:24	Return to Storage
JE20825-3.9	Timothy Xu	Secured Storage	10/10/25 20:38	Return to Storage
JE20825-3.9	Secured Storage	Todd Shoemaker	10/20/25 15:24	Retrieve from Storage
JE20825-3.9	Todd Shoemaker	Secured Staging Area	10/20/25 15:25	Return to Storage
JE20825-3.9	Secured Staging Area	Sarah Sarantopoulos	10/20/25 17:56	Retrieve from Storage
JE20825-3.9	Sarah Sarantopoulos	Secured Storage	10/23/25 10:25	Return to Storage
JE20825-3.11	Nis Patel	Secured Storage	10/10/25 17:39	Return to Storage
JE20825-3.12	Nis Patel	Secured Storage	10/10/25 17:39	Return to Storage
JE20825-3.12	Secured Storage	Melanie Buen	10/13/25 13:11	Retrieve from Storage
JE20825-3.12	Melanie Buen	Secured Storage	10/16/25 15:15	Return to Storage
JE20825-3.13	Nis Patel	Secured Storage	10/10/25 17:39	Return to Storage
JE20825-3.14	Nis Patel	Secured Storage	10/10/25 17:39	Return to Storage
JE20825-3.14	Secured Storage	Jabaery Ellis	10/13/25 23:26	Retrieve from Storage
JE20825-3.14	Jabaery Ellis	Secured Staging Area	10/13/25 23:26	Return to Storage
JE20825-3.14	Brandon Davis	Sylvia Grace Cucchiaro	10/14/25 15:32	Custody Transfer

SGS Internal Chain of Custody

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY
Received: 10/10/25

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
Analyst unavailable for custody transfer.				
JE20825-3.14	Sylvia Grace Cucchiaro	Secured Storage	10/15/25 01:30	Return to Storage
JE20825-3.14.1	Sylvia Grace Cucchiaro	Organics Prep	10/14/25 15:38	Extract from JE20825-3.14
JE20825-3.15	Nis Patel	Secured Storage	10/10/25 17:39	Return to Storage
JE20825-3.15	Secured Storage	Jabaery Ellis	10/13/25 23:26	Retrieve from Storage
JE20825-3.15	Jabaery Ellis	Secured Staging Area	10/13/25 23:26	Return to Storage
JE20825-3.15	Brandon Davis	Sylvia Grace Cucchiaro	10/14/25 15:32	Custody Transfer
Analyst unavailable for custody transfer.				
JE20825-3.15	Sylvia Grace Cucchiaro	Secured Storage	10/15/25 01:30	Return to Storage
JE20825-3.15.1	Sylvia Grace Cucchiaro	Organics Prep	10/14/25 15:38	Extract from JE20825-3.15
JE20825-3.16	Nis Patel	Secured Storage	10/10/25 17:39	Return to Storage
JE20825-3.17	Nis Patel	Secured Storage	10/10/25 17:39	Return to Storage
JE20825-3.18	Nis Patel	Secured Storage	10/10/25 17:39	Return to Storage
JE20825-3.19	Nis Patel	Secured Storage	10/10/25 17:39	Return to Storage
JE20825-3.19	Secured Storage	John Nieradka	10/13/25 12:00	Retrieve from Storage
JE20825-3.19	John Nieradka	GCKM	10/13/25 12:00	Load on Instrument
JE20825-3.20	Nis Patel	Secured Storage	10/10/25 17:39	Return to Storage
JE20825-3.21	Nis Patel	Secured Storage	10/10/25 17:39	Return to Storage
JE20825-3.22	Nis Patel	Secured Storage	10/10/25 17:39	Return to Storage
JE20825-3.22	Secured Storage	William Cruser	10/22/25 06:58	Retrieve from Storage
JE20825-3.22	William Cruser		10/24/25 16:37	Depleted
JE20825-3.23	Nis Patel	Secured Storage	10/10/25 17:39	Return to Storage
JE20825-3.23	Secured Storage	John Nieradka	10/14/25 13:17	Retrieve from Storage
JE20825-3.23	John Nieradka	GCKM	10/14/25 13:17	Load on Instrument
JE20825-3.24	Nis Patel	Secured Storage	10/10/25 17:39	Return to Storage
JE20825-4.1	Timothy Xu	Secured Storage	10/10/25 20:51	Return to Storage
JE20825-4.1	Secured Storage	Jabaery Ellis	10/13/25 23:18	Retrieve from Storage
JE20825-4.1	Jabaery Ellis	Secured Staging Area	10/13/25 23:20	Return to Storage
JE20825-4.1	Secured Staging Area	Doaa Salem	10/14/25 04:05	Retrieve from Storage
JE20825-4.1	Doaa Salem		10/15/25 03:55	Depleted

SGS Internal Chain of Custody

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY
Received: 10/10/25

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE20825-4.1.1	Doaa Salem	Organics Prep	10/14/25 04:17	Extract from JE20825-4.1
JE20825-4.1.1	Organics Prep	Brandon Davis	10/16/25 01:15	Extract from JE20825-4.1
JE20825-4.1.1	Brandon Davis	Extract Storage	10/16/25 01:15	Return to Storage
JE20825-4.2	Timothy Xu	Secured Storage	10/10/25 20:51	Return to Storage
JE20825-4.2	Secured Storage	Ayse Yilmaz	10/20/25 10:22	Retrieve from Storage
JE20825-4.2	Ayse Yilmaz		10/21/25 07:11	Depleted
JE20825-4.2.1	Ayse Yilmaz	Organics Prep	10/20/25 10:23	Extract from JE20825-4.2
JE20825-4.3	Nis Patel	Secured Storage	10/10/25 17:39	Return to Storage
JE20825-4.4	Nis Patel	Secured Storage	10/10/25 17:39	Return to Storage
JE20825-4.5	Nis Patel	Secured Storage	10/10/25 17:39	Return to Storage
JE20825-5.1	Timothy Xu	Secured Storage	10/10/25 20:51	Return to Storage
JE20825-5.1	Secured Storage	Jabaery Ellis	10/13/25 23:18	Retrieve from Storage
JE20825-5.1	Jabaery Ellis	Secured Staging Area	10/13/25 23:20	Return to Storage
JE20825-5.1	Secured Staging Area	Doaa Salem	10/14/25 04:05	Retrieve from Storage
JE20825-5.1	Doaa Salem		10/15/25 03:55	Depleted
JE20825-5.1.1	Doaa Salem	Organics Prep	10/14/25 04:17	Extract from JE20825-5.1
JE20825-5.1.1	Organics Prep	Brandon Davis	10/16/25 01:15	Extract from JE20825-5.1
JE20825-5.1.1	Brandon Davis	Extract Storage	10/16/25 01:15	Return to Storage
JE20825-5.2	Timothy Xu	Secured Storage	10/10/25 20:51	Return to Storage
JE20825-5.2	Secured Storage	Garry Onindo	10/19/25 14:26	Retrieve from Storage
JE20825-5.2	Garry Onindo	Secured Storage	10/19/25 17:20	Return to Storage
JE20825-5.2.1	Garry Onindo	Organics Prep	10/19/25 16:00	Extract from JE20825-5.2
JE20825-5.3	Timothy Xu	Secured Storage	10/10/25 20:51	Return to Storage
JE20825-5.3	Secured Storage	Ziyhon Parham	10/13/25 22:25	Retrieve from Storage
JE20825-5.3	Ziyhon Parham	Secured Staging Area	10/13/25 22:27	Return to Storage
JE20825-5.3	Secured Staging Area	Sena Kim	10/14/25 08:07	Retrieve from Storage
JE20825-5.3	Sena Kim	Secured Storage	10/14/25 17:05	Return to Storage
JE20825-5.4	Timothy Xu	Secured Storage	10/10/25 20:38	Return to Storage
JE20825-5.4	Secured Storage	Dave Hunkele	10/14/25 07:51	Retrieve from Storage
JE20825-5.4	Dave Hunkele	Secured Staging Area	10/14/25 07:51	Return to Storage
JE20825-5.4	Secured Staging Area	Sarah Sarantopoulos	10/14/25 09:48	Retrieve from Storage
JE20825-5.4	Sarah Sarantopoulos	Secured Storage	10/14/25 09:48	Return to Storage
JE20825-5.4	Secured Storage	Dave Hunkele	10/25/25 07:53	Retrieve from Storage

SGS Internal Chain of Custody

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY
Received: 10/10/25

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE20825-5.4	Dave Hunkele	Secured Staging Area	10/25/25 07:53	Return to Storage
JE20825-5.4	Secured Staging Area	Joseph Dye	10/27/25 21:16	Retrieve from Storage
JE20825-5.4	Joseph Dye	Secured Storage	10/27/25 21:17	Return to Storage
JE20825-5.5	Timothy Xu	Secured Storage	10/10/25 20:38	Return to Storage
JE20825-5.6	Timothy Xu	Secured Storage	10/10/25 20:38	Return to Storage
JE20825-5.6	Secured Storage	Todd Shoemaker	10/13/25 10:44	Retrieve from Storage
JE20825-5.6	Todd Shoemaker	Secured Staging Area	10/13/25 10:45	Return to Storage
JE20825-5.6	Secured Staging Area	Grace Tambaro	10/13/25 10:52	Retrieve from Storage
JE20825-5.6	Grace Tambaro		10/13/25 13:44	Depleted
JE20825-5.7	Timothy Xu	Secured Storage	10/10/25 20:38	Return to Storage
JE20825-5.7	Secured Storage	Todd Shoemaker	10/13/25 10:44	Retrieve from Storage
JE20825-5.7	Todd Shoemaker	Secured Staging Area	10/13/25 10:45	Return to Storage
JE20825-5.7	Secured Staging Area	Grace Tambaro	10/13/25 10:52	Retrieve from Storage
JE20825-5.7	Grace Tambaro	Secured Storage	10/13/25 14:24	Return to Storage
JE20825-5.8	Timothy Xu	Secured Storage	10/10/25 20:38	Return to Storage
JE20825-5.8	Secured Storage	Todd Shoemaker	10/13/25 10:06	Retrieve from Storage
JE20825-5.8	Todd Shoemaker	Secured Staging Area	10/13/25 10:06	Return to Storage
JE20825-5.8	Secured Staging Area	Grace Tambaro	10/13/25 10:18	Retrieve from Storage
JE20825-5.8	Grace Tambaro	Secured Storage	10/13/25 14:24	Return to Storage
JE20825-5.9	Timothy Xu	Secured Storage	10/10/25 20:38	Return to Storage
JE20825-5.9	Secured Storage	Todd Shoemaker	10/20/25 15:24	Retrieve from Storage
JE20825-5.9	Todd Shoemaker	Secured Staging Area	10/20/25 15:25	Return to Storage
JE20825-5.9	Secured Staging Area	Sarah Sarantopoulos	10/20/25 17:56	Retrieve from Storage
JE20825-5.9	Sarah Sarantopoulos	Secured Storage	10/23/25 10:25	Return to Storage
JE20825-5.11	Nis Patel	Secured Storage	10/10/25 17:40	Return to Storage
JE20825-5.12	Nis Patel	Secured Storage	10/10/25 17:40	Return to Storage
JE20825-5.12	Secured Storage	Melanie Buen	10/13/25 13:11	Retrieve from Storage
JE20825-5.12	Melanie Buen	Secured Storage	10/16/25 15:15	Return to Storage
JE20825-5.13	Nis Patel	Secured Storage	10/10/25 17:40	Return to Storage
JE20825-5.13	Secured Storage	Jabaery Ellis	10/13/25 23:26	Retrieve from Storage
JE20825-5.13	Jabaery Ellis	Secured Staging Area	10/13/25 23:26	Return to Storage
JE20825-5.13	Brandon Davis	Sylvia Grace Cucchiaro	10/14/25 15:32	Custody Transfer
Analyst unavailable for custody transfer.				
JE20825-5.13	Sylvia Grace Cucchiaro	Secured Storage	10/15/25 01:30	Return to Storage
JE20825-5.13.1	Sylvia Grace Cucchiaro	Organics Prep	10/14/25 15:38	Extract from JE20825-5.13

SGS Internal Chain of Custody

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY
Received: 10/10/25

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE20825-5.14	Nis Patel	Secured Storage	10/10/25 17:40	Return to Storage
JE20825-5.14	Secured Storage	Jabaery Ellis	10/13/25 23:26	Retrieve from Storage
JE20825-5.14	Jabaery Ellis	Secured Staging Area	10/13/25 23:26	Return to Storage
JE20825-5.14	Brandon Davis	Sylvia Grace Cucchiaro	10/14/25 15:32	Custody Transfer
Analyst unavailable for custody transfer.				
JE20825-5.14	Sylvia Grace Cucchiaro	Secured Storage	10/15/25 01:30	Return to Storage
JE20825-5.14.1	Sylvia Grace Cucchiaro	Organics Prep	10/14/25 15:38	Extract from JE20825-5.14
JE20825-5.15	Nis Patel	Secured Storage	10/10/25 17:40	Return to Storage
JE20825-5.16	Nis Patel	Secured Storage	10/10/25 17:40	Return to Storage
JE20825-5.17	Nis Patel	Secured Storage	10/10/25 17:40	Return to Storage
JE20825-5.18	Nis Patel	Secured Storage	10/10/25 17:40	Return to Storage
JE20825-5.19	Nis Patel	Secured Storage	10/10/25 17:40	Return to Storage
JE20825-5.19	Secured Storage	William Cruser	10/22/25 06:58	Retrieve from Storage
JE20825-5.19	William Cruser		10/24/25 16:37	Depleted
JE20825-5.20	Nis Patel	Secured Storage	10/10/25 17:40	Return to Storage
JE20825-5.20	Secured Storage	John Nieradka	10/13/25 12:00	Retrieve from Storage
JE20825-5.20	John Nieradka	GCKM	10/13/25 12:00	Load on Instrument
JE20825-5.21	Nis Patel	Secured Storage	10/10/25 17:40	Return to Storage
JE20825-5.22	Nis Patel	Secured Storage	10/10/25 17:40	Return to Storage
JE20825-5.23	Nis Patel	Secured Storage	10/10/25 17:40	Return to Storage
JE20825-5.24	Nis Patel	Secured Storage	10/10/25 17:40	Return to Storage
JE20825-6.1	Nis Patel	Secured Storage	10/10/25 17:40	Return to Storage
JE20825-6.2	Nis Patel	Secured Storage	10/10/25 17:40	Return to Storage
JE20825-6.3	Nis Patel	Secured Storage	10/10/25 17:40	Return to Storage
JE20825-6.4	Nis Patel	Secured Storage	10/10/25 17:40	Return to Storage

MS Volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method Blank Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2K694-MB	2K25214.D	1	10/18/25	ED	n/a	n/a	V2K694

The QC reported here applies to the following samples: **Method:** SW846 8260D

JE20825-1, JE20825-3, JE20825-4, JE20825-5, JE20825-6

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.50	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	93%	80-120%
17060-07-0	1,2-Dichloroethane-D4	90%	80-120%
2037-26-5	Toluene-D8	99%	80-120%
460-00-4	4-Bromofluorobenzene	89%	82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

Blank Spike Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2K694-BS	2K25212.D	1	10/18/25	ED	n/a	n/a	V2K694

The QC reported here applies to the following samples: **Method:** SW846 8260D

JE20825-1, JE20825-3, JE20825-4, JE20825-5, JE20825-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	50	44.6	89	80-115
100-41-4	Ethylbenzene	50	46.0	92	78-116
108-88-3	Toluene	50	45.6	91	79-116
1330-20-7	Xylene (total)	150	148	99	80-119

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	94%	80-120%
17060-07-0	1,2-Dichloroethane-D4	90%	80-120%
2037-26-5	Toluene-D8	98%	80-120%
460-00-4	4-Bromofluorobenzene	88%	82-114%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE20825-1MS	2K25218.D	1	10/18/25	ED	n/a	n/a	V2K694
JE20825-1MSD	2K25220.D	1	10/18/25	ED	n/a	n/a	V2K694
JE20825-1	2K25216.D	1	10/18/25	ED	n/a	n/a	V2K694

The QC reported here applies to the following samples: **Method:** SW846 8260D

JE20825-1, JE20825-3, JE20825-4, JE20825-5, JE20825-6

CAS No.	Compound	JE20825-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	12.3		50	59.1	94	50	58.8	93	1	49-137/12
100-41-4	Ethylbenzene	148		50	257	218* [a]	50	206	116	22* [b]	37-144/12
108-88-3	Toluene	1.2		50	47.4	92	50	48.1	94	1	46-139/12
1330-20-7	Xylene (total)	63.8		150	237	116	150	216	102	9	38-147/12

CAS No.	Surrogate Recoveries	MS	MSD	JE20825-1	Limits
1868-53-7	Dibromofluoromethane	95%	94%	95%	80-120%
17060-07-0	1,2-Dichloroethane-D4	93%	88%	91%	80-120%
2037-26-5	Toluene-D8	96%	98%	97%	80-120%
460-00-4	4-Bromofluorobenzene	88%	89%	90%	82-114%

(a) Outside control limits due to high level in sample relative to spike amount.
(b) Outside control limits due to matrix interference.

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: V2K658-BFB
Lab File ID: 2K23793.D
Instrument ID: GCMS2K
Injection Date: 09/05/25
Injection Time: 20:36

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	82200	21.5		Pass
75	30.0 - 60.0% of mass 95	190865	50.0		Pass
95	Base peak, 100% relative abundance	381696	100.0		Pass
96	5.0 - 9.0% of mass 95	23880	6.26		Pass
173	Less than 2.0% of mass 174	947	0.25	(0.33) [a]	Pass
174	50.0 - 120.0% of mass 95	288725	75.6		Pass
175	5.0 - 9.0% of mass 174	21168	5.55	(7.33) [a]	Pass
176	95.0 - 101.0% of mass 174	278464	73.0	(96.4) [a]	Pass
177	5.0 - 9.0% of mass 176	17675	4.63	(6.35) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V2K658-IC658	2K23795.D	09/05/25	21:24	00:48	Initial cal 0.2
V2K658-IC658	2K23797.D	09/05/25	21:59	01:23	Initial cal 0.5
V2K658-IC658	2K23799.D	09/05/25	22:33	01:57	Initial cal 1
V2K658-IC658	2K23801.D	09/05/25	23:07	02:31	Initial cal 2
V2K658-IC658	2K23803.D	09/05/25	23:41	03:05	Initial cal 4
V2K658-IC658	2K23805.D	09/06/25	00:15	03:39	Initial cal 8
V2K658-IC658	2K23807.D	09/06/25	00:49	04:13	Initial cal 20
V2K658-ICC658	2K23809.D	09/06/25	01:23	04:47	Initial cal 50
V2K658-IC658	2K23811.D	09/06/25	01:57	05:21	Initial cal 100
V2K658-IC658	2K23813.D	09/06/25	02:31	05:55	Initial cal 200
V2K658-ICV658	2K23819.D	09/06/25	04:13	07:37	Initial cal verification 50
V2K658-ICV658	2K23821.D	09/06/25	04:46	08:10	Initial cal verification 50

Internal Standard Area Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Check Std:	V2K694-CC658	**Injection Date:**	10/17/25
Lab File ID:	2K25208.D	**Injection Time:**	23:03
Instrument ID:	GCMS2K	**Method:**	SW846 8260D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	823332	3.50	845178	4.80	1328884	5.17	1084401	7.11	557566	8.37
Upper Limit [a]	1646664	4.00	1690356	5.30	2657768	5.67	2168802	7.61	1115132	8.87
Lower Limit [b]	411666	3.00	422589	4.30	664442	4.67	542201	6.61	278783	7.87

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
V2K694-BS	856003	3.50	889193	4.80	1413291	5.17	1152623	7.11	588591	8.37
V2K694-MB	764710	3.49	881066	4.80	1335322	5.17	1107809	7.10	550721	8.37
JE20825-1	753743	3.49	848205	4.80	1305649	5.17	1103559	7.10	550145	8.37
JE20825-1MS	843014	3.50	861084	4.80	1359480	5.17	1141573	7.11	582100	8.37
JE20825-1MSD	928258	3.50	941948	4.80	1498991	5.17	1237653	7.11	618135	8.37
JE20825-6	836496	3.50	931479	4.80	1447984	5.17	1185563	7.11	577007	8.37
JE20825-3	774449	3.49	867987	4.80	1350637	5.17	1134092	7.11	573635	8.37
JE20825-4	786325	3.50	853260	4.81	1327429	5.17	1111809	7.11	549416	8.37
JE20825-5	745918	3.50	819402	4.80	1258439	5.17	1050777	7.11	525042	8.37
ZZZZZZ	794637	3.50	896418	4.80	1394791	5.17	1146466	7.11	573071	8.37
ZZZZZZ	809010	3.50	919549	4.80	1425316	5.17	1176389	7.11	580351	8.37
ZZZZZZ	803035	3.50	892125	4.81	1386163	5.17	1143661	7.11	575004	8.37
ZZZZZZ	876319	3.50	956846	4.80	1507758	5.17	1244157	7.11	616716	8.37
ZZZZZZ	856063	3.50	950273	4.80	1474664	5.17	1214124	7.11	598692	8.37

IS 1 = Tert Butyl Alcohol-D9
IS 2 = Pentafluorobenzene
IS 3 = 1,4-Difluorobenzene
IS 4 = Chlorobenzene-D5
IS 5 = 1,4-Dichlorobenzene-d4

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Surrogate Recovery Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Method: SW846 8260D **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
JE20825-1	2K25216.D	95	91	97	90
JE20825-3	2K25226.D	96	90	97	89
JE20825-4	2K25228.D	98	93	98	89
JE20825-5	2K25230.D	96	94	98	89
JE20825-6	2K25224.D	93	87	99	90
JE20825-1MS	2K25218.D	95	93	96	88
JE20825-1MSD	2K25220.D	94	88	98	89
V2K694-BS	2K25212.D	94	90	98	88
V2K694-MB	2K25214.D	93	90	99	89

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	80-120%
S2 = 1,2-Dichloroethane-D4	80-120%
S3 = Toluene-D8	80-120%
S4 = 4-Bromofluorobenzene	82-114%

Initial Calibration Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: V2K658-ICC658
Lab FileID: 2K23809.D

Response Factor Report GCMSK

Method : C:\msdchem\1\methods\M2K658.M (RTE Integrator)
Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
Last Update : Mon Sep 08 13:21:53 2025
Response via : Initial Calibration

Calibration Files
4 =2K23803.D 0.5 =2K23797.D 8 =2K23805.D 50 =2K23809.D
100 =2K23811.D 1 =2K23799.D 200 =2K23813.D 20 =2K23807.D
2 =2K23801.D 0.2 =2K23795.D = =

Compound	4	0.5	8	50	100	1	200	20	2	0.2	Avg	%RSD
1) I tert butyl alcohol-d9	----------ISTD----------											
2) ethanol	0.132	0.146	0.130	0.130	0.118	0.123	0.111	0.126	0.123		0.127	7.70
3) tertiary butyl alcohol	1.092	1.220	1.130	1.156	1.097	1.208	1.054	1.071	1.191		1.136	5.39
4) 1,4-dioxane	0.083		0.087	0.084	0.079	0.082	0.076	0.081	0.083		0.082	4.05
5) I pentafluorobenzene	----------ISTD----------											
6) chlorodifluoromethane	0.687	0.683	0.706	0.698	0.649	0.659	0.602	0.671	0.716		0.674	5.15
7) dichlorodifluoromethane	0.498	0.552	0.514	0.517	0.477	0.427	0.451	0.479	0.528		0.493	7.94
8) chloromethane	0.562	0.644	0.579	0.595	0.551	0.579	0.511	0.557	0.600	0.569	0.575	6.09
9) vinyl chloride	0.457	0.462	0.500	0.508	0.492	0.461	0.471	0.458	0.466	0.512	0.479	4.54
10) 1,3-butadiene	0.461	0.540	0.483	0.480	0.452	0.518	0.425	0.455	0.473		0.476	7.35
11) bromomethane	0.152	0.157	0.157	0.165	0.162	0.149	0.157	0.143	0.132		0.153	6.74
12) chloroethane	0.227	0.210	0.254	0.261	0.230	0.265	0.185	0.252	0.258	0.254	0.240	10.90
13) trichlorofluoromethane	0.643	0.599	0.674	0.690	0.649	0.681	0.598	0.637	0.670	0.695	0.654	5.34
14) ethyl ether	0.244	0.249	0.233	0.240	0.235	0.204	0.232	0.227	0.232	0.262	0.236	6.46
15) acrolein	0.114		0.126	0.136	0.131	0.118	0.126	0.129	0.133		0.127	6.08
16) freon 113	0.290	0.334	0.284	0.297	0.288	0.270	0.279	0.273	0.308		0.292	6.79
17) 1,1-dichloroethene	0.606	0.679	0.613	0.640	0.608	0.592	0.590	0.586	0.607		0.613	4.79
18) acetone	0.073	0.094	0.074	0.075	0.073	0.074	0.069	0.069	0.077		0.075	10.03
19) acetonitrile	0.117	0.115	0.117	0.119	0.110	0.109	0.099	0.115	0.125		0.114	6.36
20) iodomethane	0.257		0.312	0.400	0.398		0.380	0.341	0.226		0.331	20.90
----- Linear regression ----- Coefficient = 0.9985												
Response Ratio = -0.00861 + 0.38974 *A												
21) carbon disulfide	1.007	1.121	1.042	1.071	1.051	1.004	1.030	0.994	1.069		1.043	3.87

Initial Calibration Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: V2K658-ICC658
Lab FileID: 2K23809.D

22) methylene chloride
0.356 0.364 0.350 0.368 0.357 0.372 0.343 0.350 0.381 0.360 3.37
23) methyl acetate
0.094 0.100 0.106 0.105 0.103 0.101 0.116 0.103 6.45
24) methyl tert butyl ether
1.189 1.359 1.186 1.256 1.213 1.300 1.183 1.186 1.263 1.349 1.248 5.49
25) trans-1,2-dichloroethene
0.346 0.395 0.350 0.365 0.367 0.336 0.356 0.342 0.370 0.416 0.364 6.83
26) hexane
0.934 1.115 0.920 0.997 0.958 0.985 0.909 0.937 0.982 0.971 6.41
27) di-isopropyl ether
1.546 1.749 1.566 1.663 1.582 1.456 1.502 1.563 1.629 1.783 1.604 6.44
28) ethyl tert-butyl ether
1.373 1.559 1.401 1.512 1.452 1.315 1.406 1.402 1.405 1.535 1.436 5.38
29) 2-butanone
0.074 0.081 0.091 0.089 0.083 0.086 0.078 0.073 0.082 7.97
30) 1,1-dichloroethane
0.697 0.804 0.742 0.763 0.737 0.689 0.710 0.709 0.792 0.805 0.745 5.95
31) chloroprene
0.779 0.796 0.804 0.853 0.811 0.775 0.768 0.796 0.775 0.899 0.806 5.09
32) acrylonitrile
0.230 0.231 0.252 0.242 0.243 0.230 0.236 0.236 0.238 3.25
33) vinyl acetate
0.105 0.091 0.104 0.096 0.102 0.110 0.094 0.100 6.64
34) ethyl acetate
0.063 0.062 0.067 0.068 0.070 0.064 0.082 0.068 10.10
35) 2,2-dichloropropane
0.596 0.655 0.602 0.595 0.572 0.571 0.552 0.560 0.643 0.594 6.00
36) cis-1,2-dichloroethene
0.352 0.420 0.374 0.383 0.375 0.406 0.367 0.363 0.402 0.403 0.385 5.74
37) propionitrile
0.125 0.129 0.131 0.127 0.117 0.126 0.132 0.127 3.81
38) methyl acrylate
0.083 0.081 0.095 0.094 0.093 0.087 0.096 0.090 6.99
39) bromochloromethane
0.163 0.164 0.170 0.177 0.168 0.172 0.162 0.164 0.173 0.168 3.10
40) tetrahydrofuran
0.083 0.085 0.088 0.085 0.081 0.084 0.087 0.085 2.75
41) chloroform
0.680 0.683 0.691 0.669 0.833 0.638 0.649 0.769 0.702 9.43
42) dibromofluoromethane (s)
0.424 0.419 0.427 0.429 0.429 0.423 0.423 0.434 0.433 0.424 0.426 1.12
43) methacrylonitrile
0.247 0.252 0.248 0.240 0.233 0.237 0.313 0.253 10.83
44) 1,1,1-trichloroethane
0.567 0.619 0.604 0.602 0.582 0.599 0.561 0.558 0.607 0.701 0.600 6.88
45) cyclohexane
0.494 0.521 0.536 0.589 0.561 0.546 0.547 0.525 0.530 0.539 4.93
46) 1,1-dichloropropene
0.494 0.514 0.525 0.556 0.543 0.517 0.532 0.515 0.516 0.528 0.524 3.28
47) carbon tetrachloride
0.545 0.537 0.543 0.535 0.610 0.513 0.506 0.583 0.547 6.31
48) isobutyl alcohol
0.000 -1.00
49) tert-amyl alcohol
0.041 0.042 0.042 0.041 0.040 0.038 0.039 0.045 0.041 5.11

50) I 1,4-difluorobenzene ----------ISTD----------
51) 1,2-dichloroethane-d4 (s)
0.361 0.367 0.363 0.338 0.327 0.368 0.325 0.364 0.370 0.359 0.354 4.90

Initial Calibration Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: V2K658-ICC658
Lab FileID: 2K23809.D

52) iso-octane
0.926 0.978 0.935 0.964 0.906 0.865 0.911 0.931 0.978 1.052 0.945 5.45
53) benzene
0.896 0.967 0.933 0.956 0.928 0.881 0.918 0.891 0.950 1.118 0.944 7.16
54) tert-amyl methyl ether
0.755 0.952 0.797 0.806 0.767 0.793 0.776 0.764 0.804 0.802 7.42
55) heptane
0.142 0.143 0.139 0.133 0.142 0.134 0.136 0.132 0.138 3.23
56) isopropyl acetate
0.066 0.077 0.081 0.078 0.082 0.079 0.078 0.078 0.077 6.44
57) 1,2-dichloroethane
0.382 0.440 0.381 0.366 0.340 0.400 0.333 0.360 0.414 0.379 9.09
58) n-butyl alcohol
0.020 0.023 0.021 0.022 0.021 0.019 0.019 0.021 0.021 0.021 6.10
59) ethyl acrylate
0.489 0.540 0.519 0.544 0.519 0.504 0.507 0.513 0.514 0.516 3.29
60) trichloroethene
0.217 0.232 0.234 0.242 0.236 0.209 0.231 0.222 0.229 0.247 0.230 4.99
61) 2-nitropropane
0.143 0.130 0.132 0.125 0.117 0.131 0.168 0.135 12.15
62) 2-chloroethyl vinyl ether
0.164 0.182 0.197 0.192 0.143 0.187 0.186 0.163 0.177 10.32
63) methyl methacrylate
0.084 0.086 0.094 0.091 0.094 0.092 0.087 0.089 0.090 4.08
64) 1,2-dichloropropane
0.241 0.257 0.254 0.266 0.255 0.269 0.249 0.253 0.281 0.307 0.263 7.24
65) methylcyclohexane
0.168 0.161 0.175 0.169 0.161 0.169 0.162 0.177 0.168 3.67
66) dibromomethane
0.143 0.162 0.147 0.143 0.138 0.145 0.137 0.141 0.158 0.146 5.91
67) bromodichloromethane
0.317 0.345 0.320 0.318 0.307 0.306 0.299 0.312 0.313 0.315 4.10
68) epichlorohydrin
0.057 0.062 0.060 0.057 0.053 0.059 0.060 0.058 4.92
69) cis-1,3-dichloropropene
0.373 0.432 0.399 0.406 0.394 0.370 0.390 0.392 0.409 0.455 0.402 6.35
70) 4-methyl-2-pentanone
0.161 0.184 0.174 0.177 0.169 0.177 0.160 0.173 0.175 0.165 0.172 4.48
71) 3-methyl-1-butanol
0.015 0.018 0.016 0.017 0.016 0.016 0.015 0.016 0.017 0.016 5.08

72) I chlorobenzene-d5 ----------ISTD----------
73) toluene-d8 (s)
1.356 1.387 1.364 1.375 1.414 1.363 1.412 1.366 1.361 1.383 1.378 1.51
74) toluene
0.671 0.752 0.698 0.727 0.715 0.686 0.708 0.671 0.722 0.842 0.719 6.96
75) ethyl methacrylate
0.417 0.501 0.447 0.466 0.466 0.411 0.459 0.440 0.445 0.450 6.05
76) trans-1,3-dichloropropene
0.442 0.521 0.471 0.482 0.481 0.475 0.474 0.465 0.450 0.474 4.70
77) 1,1,2-trichloroethane
0.202 0.254 0.209 0.220 0.219 0.190 0.220 0.210 0.219 0.240 0.218 8.30
78) tetrachloroethene
0.273 0.271 0.277 0.282 0.280 0.282 0.275 0.266 0.273 0.275 1.96
79) 2-hexanone
0.214 0.239 0.231 0.232 0.227 0.214 0.213 0.223 0.226 0.233 0.225 4.02
80) 1,3-dichloropropane
0.439 0.470 0.475 0.485 0.484 0.481 0.483 0.469 0.442 0.522 0.475 4.90
81) butyl acetate
0.313 0.346 0.338 0.340 0.332 0.297 0.318 0.328 0.371 0.308 0.329 6.51

Initial Calibration Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY
Sample: V2K658-ICC658
Lab FileID: 2K23809.D

82) dibromochloromethane
0.270 0.253 0.293 0.297 0.296 0.262 0.294 0.278 0.288 0.299 0.283 5.74
83) 1,2-dibromoethane
0.248 0.251 0.276 0.281 0.284 0.266 0.278 0.264 0.271 0.239 0.266 5.74
84) n-butyl ether
1.423 1.493 1.489 1.571 1.549 1.360 1.521 1.473 1.493 1.690 1.506 5.86
85) chlorobenzene
0.725 0.739 0.741 0.755 0.750 0.711 0.736 0.729 0.749 0.847 0.748 4.94
86) 1,1,1,2-tetrachloroethane
0.252 0.255 0.276 0.283 0.275 0.273 0.277 0.264 0.280 0.226 0.266 6.64
87) ethylbenzene
1.318 1.613 1.339 1.382 1.359 1.404 1.334 1.289 1.343 1.376 6.92
88) m,p-xylene
0.489 0.531 0.515 0.528 0.521 0.456 0.512 0.489 0.516 0.487 0.504 4.63
89) o-xylene
0.473 0.506 0.492 0.512 0.501 0.458 0.489 0.479 0.482 0.514 0.491 3.66
90) styrene
0.782 0.908 0.827 0.877 0.868 0.787 0.857 0.824 0.801 0.802 0.833 5.12
91) bromoform
0.202 0.248 0.217 0.230 0.228 0.209 0.221 0.218 0.228 0.251 0.225 6.90
92) butyl acrylate
0.787 0.854 0.829 0.879 0.858 0.800 0.810 0.831 0.858 0.920 0.843 4.71
93) isopropylbenzene
1.184 1.293 1.245 1.289 1.277 1.142 1.251 1.193 1.202 1.119 1.220 5.02
94) n-amyl acetate
0.250 0.306 0.266 0.290 0.283 0.234 0.270 0.276 0.267 0.271 7.83
95) cis-1,4-dichloro-2-butene
0.134 0.202 0.216 0.203 0.192 0.232 0.186 0.195 15.77

96) I 1,4-dichlorobenzene-d ----------ISTD----------
97) 4-bromofluorobenzene (s)
1.048 1.060 1.051 1.046 1.052 1.037 1.076 1.060 1.036 1.029 1.049 1.33
98) bromobenzene
0.641 0.669 0.636 0.652 0.635 0.595 0.634 0.622 0.684 0.641 4.03
99) 1,1,2,2-tetrachloroethane
0.780 0.868 0.787 0.848 0.828 0.801 0.837 0.790 0.800 0.947 0.829 6.12
100) trans-1,4-dichloro-2-butene
0.366 0.423 0.380 0.379 0.366 0.410 0.359 0.356 0.377 0.380 6.00
101) 1,2,3-trichloropropane
0.283 0.319 0.280 0.287 0.277 0.248 0.277 0.269 0.283 0.281 6.59
102) n-propylbenzene
2.829 3.003 2.889 3.095 3.046 2.675 3.101 2.824 2.952 2.982 2.940 4.61
103) 2-chlorotoluene
0.589 0.619 0.587 0.624 0.598 0.635 0.603 0.573 0.606 0.579 0.601 3.36
104) 4-chlorotoluene
1.851 1.982 1.888 1.985 1.946 1.790 1.974 1.804 1.876 2.162 1.926 5.68
105) 1,3,5-trimethylbenzene
1.926 1.996 1.979 2.070 2.031 1.926 2.083 1.898 2.020 2.153 2.008 4.00
106) tert-butylbenzene
1.681 1.903 1.714 1.775 1.744 1.588 1.762 1.596 1.673 1.789 1.722 5.48
107) 1,2,4-trimethylbenzene
1.944 2.077 1.955 2.078 2.055 1.824 2.114 1.869 1.978 2.046 1.994 4.82
108) sec-butylbenzene
2.209 2.280 2.262 2.436 2.383 2.123 2.448 2.194 2.325 2.091 2.275 5.45
109) 1,3-dichlorobenzene
1.170 1.296 1.170 1.221 1.192 1.111 1.205 1.123 1.225 1.151 1.186 4.58
110) p-isopropyltoluene
1.847 1.980 1.919 2.068 2.007 1.870 2.082 1.845 1.935 2.277 1.983 6.75
111) 1,4-dichlorobenzene
1.148 1.202 1.186 1.217 1.185 1.137 1.199 1.148 1.223 1.183 2.67

Initial Calibration Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY
Sample: V2K658-ICC658
Lab FileID: 2K23809.D

```
112)  1,2-dichlorobenzene
       1.120 1.183 1.143 1.160 1.130 1.087 1.155 1.085 1.111        1.130    2.93
113)  1,2,3-trimethylbenzene
       1.986 2.220 1.977 2.115 2.082 2.025 2.147 1.958 1.985 2.316  2.081    5.72
114)  n-butylbenzene
       0.953 0.960 0.978 1.041 1.019 0.888 1.066 0.962 0.963 1.043  0.987    5.46
115)  1,2-dibromo-3-chloropropane
       0.264 0.260 0.248 0.260 0.257 0.262 0.261 0.243 0.265        0.258    2.95
116)  1,3,5-trichlorobenzene
       0.610 0.748 0.637 0.652 0.648 0.588 0.664 0.598 0.643 0.711  0.650    7.58
117)  1,2,4-trichlorobenzene
       0.559 0.580 0.543 0.586 0.584 0.591 0.593 0.549 0.554        0.571    3.44
118)  hexachlorobutadiene
       0.213       0.203 0.215 0.212 0.213 0.216 0.197 0.214        0.210    3.24
119)  naphthalene
       2.002 2.238 2.011 2.040 1.998 1.987 2.055 1.933 2.009        2.030    4.20
120)  1,2,3-trichlorobenzene
       0.532 0.620 0.522 0.554 0.542 0.528 0.550 0.516 0.509        0.542    6.12
121)  hexachloroethane
       0.356       0.352 0.360 0.350 0.384 0.359 0.340 0.371        0.359    3.72
122)  benzyl chloride
       0.381       0.360 0.373 0.367 0.401 0.365 0.354 0.383        0.373    3.97
123)  2-methylnaphthalene
       1.004 1.065 0.986 1.012 0.963 1.116 0.864 0.975 1.003        0.998    6.95

124) I   pentafluorobenzene(a) ----------------ISTD---------------------
125)  Freon 142B
                                                                     0.000   -1.00
126)  vinyl bromide
                                                                     0.000   -1.00
127)  allyl chloride
                                                                     0.000   -1.00

128) I   1,4-dichlorobenzene-d ----------------ISTD---------------------
129)  4-ethyltoluene
                                                                     0.000   -1.00
 ------------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           M2K658.M          Mon Sep 08 13:27:02 2025
```

Initial Calibration Verification

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: V2K658-ICV658
Lab FileID: 2K23819.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\Initials\VK658\2K23819.D Vial: 15
Acq On : 6 Sep 2025 4:13 am Operator: PrashanS
Sample : ICV658-50 Inst : GCMSK
Misc : MS95614,V2K658,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M2K658.M (RTE Integrator)
Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
Last Update : Mon Sep 08 13:21:53 2025
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	102	0.00	3.50
2		ethanol	0.127	0.128	-0.8	100	0.00	2.84
3	M	tertiary butyl alcohol	1.136	1.181	-4.0	104	0.00	3.56
4		1,4-dioxane	0.082	0.090	-9.8	109	0.00	5.68
5	I	pentafluorobenzene	1.000	1.000	0.0	104	0.00	4.81
6		chlorodifluoromethane		----------NA----------				
7		dichlorodifluoromethane	0.493	0.480	2.6	97	0.00	1.73
8		chloromethane	0.575	0.607	-5.6	106	0.00	1.92
9		vinyl chloride	0.479	0.498	-4.0	102	0.00	1.98
10		1,3-butadiene	0.476	0.364	23.5	79	0.00	2.00
11		bromomethane	0.153	0.175	-14.4	110	0.00	2.26
12		chloroethane	0.240	0.240	0.0	95	0.00	2.36
13		trichlorofluoromethane	0.654	0.572	12.5	86	0.00	2.48
14		ethyl ether	0.236	0.243	-3.0	105	0.00	2.74
15		acrolein	0.127	0.141	-11.0	107	0.00	3.15
16		freon 113	0.292	0.271	7.2	95	0.00	2.93
17		1,1-dichloroethene	0.613	0.584	4.7	95	0.00	2.91
18		acetone	0.075	0.074	1.3	102	0.00	3.36
19		acetonitrile	0.114	0.116	-1.8	102	0.00	3.70
		----------	True	Calc.	% Drift	----------		
20		iodomethane	50.000	47.239	5.5	94	0.00	3.03
		----------	AvgRF	CCRF	% Dev	----------		
21		carbon disulfide	1.043	0.993	4.8	97	0.00	2.95
22		methylene chloride	0.360	0.365	-1.4	103	0.00	3.34
23		methyl acetate	0.103	0.118	-14.6	116	0.00	3.44
24		methyl tert butyl ether	1.248	1.248	0.0	104	0.00	3.51
25		trans-1,2-dichloroethene	0.364	0.360	1.1	103	0.00	3.45
26		hexane	0.971	0.963	0.8	101	0.00	3.51
27		di-isopropyl ether	1.604	1.590	0.9	100	0.00	3.77
28		ethyl tert-butyl ether	1.436	1.400	2.5	96	0.00	4.02
29		2-butanone	0.082	0.090	-9.8	103	0.00	4.60
30	M	1,1-dichloroethane	0.745	0.745	0.0	102	0.00	3.88
31		chloroprene	0.806	0.782	3.0	95	0.00	3.87
32		acrylonitrile	0.238	0.247	-3.8	102	0.00	3.91
33		vinyl acetate	0.100	0.083	17.0	84	0.00	4.03
34		ethyl acetate	0.068	0.070	-2.9	107	0.00	4.46
35		2,2-dichloropropane	0.594	0.574	3.4	101	0.00	4.32
36		cis-1,2-dichloroethene	0.385	0.389	-1.0	106	0.00	4.24
37		propionitrile	0.127	0.133	-4.7	105	0.00	4.80

Initial Calibration Verification

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: V2K658-ICV658
Lab FileID: 2K23819.D

38		methyl acrylate	0.090	0.094	-4.4	103	0.00	4.48
39		bromochloromethane	0.168	0.178	-6.0	104	0.00	4.38
40		tetrahydrofuran	0.085	0.087	-2.4	104	0.00	4.52
41		chloroform	0.702	0.691	1.6	104	0.00	4.41
42	S	dibromofluoromethane (s)	0.426	0.420	1.4	102	0.00	4.53
43		methacrylonitrile	0.253	0.243	4.0	102	0.00	4.81
44		1,1,1-trichloroethane	0.600	0.601	-0.2	104	0.00	4.56
45		cyclohexane	0.539	0.629	-16.7	111	0.00	4.39
46		1,1-dichloropropene	0.524	0.550	-5.0	103	0.00	4.64
47		carbon tetrachloride	0.547	0.518	5.3	99	0.00	4.52
48		isobutyl alcohol		----------NA----------				
49		tert-amyl alcohol	0.041	0.042	-2.4	104	0.00	4.94
50	I	1,4-difluorobenzene	1.000	1.000	0.0	103	0.00	5.17
51	S	1,2-dichloroethane-d4 (s)	0.354	0.343	3.1	104	0.00	4.88
52		iso-octane	0.945	0.832	12.0	89	0.00	4.70
53	M	benzene	0.944	0.970	-2.8	104	0.00	4.80
54		tert-amyl methyl ether	0.802	0.755	5.9	96	0.00	4.84
55		heptane	0.138	0.145	-5.1	107	0.00	4.74
56		isopropyl acetate	0.077	0.082	-6.5	104	0.00	5.04
57		1,2-dichloroethane	0.379	0.355	6.3	100	0.00	4.93
58		n-butyl alcohol	0.021	0.022	-4.8	103	0.00	5.32
59		ethyl acrylate	0.516	0.548	-6.2	104	0.00	5.48
60		trichloroethene	0.230	0.246	-7.0	104	0.00	5.17
61		2-nitropropane	0.135	0.135	0.0	105	0.00	6.31
62		2-chloroethyl vinyl ether	0.177	0.187	-5.6	98	0.00	5.93
63		methyl methacrylate	0.090	0.115	-27.8	126	0.00	5.62
64		1,2-dichloropropane	0.263	0.266	-1.1	103	0.00	5.51
65		methylcyclohexane	0.168	0.179	-6.5	105	0.00	5.17
66		dibromomethane	0.146	0.141	3.4	101	0.00	5.45
67		bromodichloromethane	0.315	0.321	-1.9	104	0.00	5.54
68		epichlorohydrin	0.058	0.060	-3.4	103	0.00	6.16
69		cis-1,3-dichloropropene	0.402	0.410	-2.0	104	0.00	5.99
70		4-methyl-2-pentanone	0.172	0.177	-2.9	102	0.00	6.39
71		3-methyl-1-butanol	0.016	0.017	-6.3	105	0.00	6.22
72	I	chlorobenzene-d5	1.000	1.000	0.0	101	0.00	7.11
73	S	toluene-d8 (s)	1.378	1.393	-1.1	102	0.00	6.12
74		toluene	0.719	0.735	-2.2	102	0.00	6.16
75		ethyl methacrylate	0.450	0.351	22.0	76	0.00	6.50
76		trans-1,3-dichloropropene	0.474	0.496	-4.6	104	0.00	6.42
77		1,1,2-trichloroethane	0.218	0.226	-3.7	104	0.00	6.53
78		tetrachloroethene		----------NA----------				
79		2-hexanone	0.225	0.236	-4.9	103	0.00	6.91
80		1,3-dichloropropane	0.475	0.506	-6.5	105	0.00	6.71
81		butyl acetate	0.329	0.345	-4.9	103	0.00	6.83
82		dibromochloromethane	0.283	0.298	-5.3	102	0.00	6.65
83		1,2-dibromoethane	0.266	0.292	-9.8	105	0.00	6.82
84		n-butyl ether	1.506	1.645	-9.2	106	0.00	7.01
85		chlorobenzene	0.748	0.771	-3.1	103	0.00	7.12
86		1,1,1,2-tetrachloroethane	0.266	0.293	-10.2	105	0.00	7.15
87		ethylbenzene	1.376	1.409	-2.4	103	0.00	7.12
88		m,p-xylene	0.504	0.543	-7.7	104	0.00	7.20
89		o-xylene	0.491	0.529	-7.7	104	0.00	7.45
90		styrene	0.833	0.664	20.3	77	0.00	7.48
91		bromoform	0.225	0.229	-1.8	101	0.00	7.51
92		butyl acrylate	0.843	0.903	-7.1	104	0.00	7.52
93		isopropylbenzene	1.220	1.275	-4.5	100	0.00	7.62
94		n-amyl acetate	0.271	0.295	-8.9	103	0.00	7.66
95		cis-1,4-dichloro-2-butene	0.195	0.213	-9.2	100	0.00	7.82

Initial Calibration Verification

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: V2K658-ICV658
Lab FileID: 2K23819.D

96	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	102	0.00	8.38
97	S	4-bromofluorobenzene (s)	1.049	1.039	1.0	101	0.00	7.79
98		bromobenzene	0.641	0.664	-3.6	104	0.00	7.86
99		1,1,2,2-tetrachloroethane	0.829	0.844	-1.8	101	0.00	7.88
100		trans-1,4-dichloro-2-bute	0.380	0.381	-0.3	102	0.00	7.98
101		1,2,3-trichloropropane	0.281	0.287	-2.1	101	0.00	7.97
102		n-propylbenzene	2.940	3.091	-5.1	101	0.00	7.85
103		2-chlorotoluene	0.601	0.623	-3.7	101	0.00	7.95
104		4-chlorotoluene	1.926	2.030	-5.4	104	0.00	8.03
105		1,3,5-trimethylbenzene	2.008	2.109	-5.0	103	0.00	7.95
106		tert-butylbenzene	1.722	1.858	-7.9	106	0.00	8.12
107		1,2,4-trimethylbenzene	1.994	2.131	-6.9	104	0.00	8.15
108		sec-butylbenzene	2.275	2.470	-8.6	103	0.00	8.21
109		1,3-dichlorobenzene	1.186	1.228	-3.5	102	0.00	8.34
110		p-isopropyltoluene	1.983	2.067	-4.2	101	0.00	8.28
111		1,4-dichlorobenzene	1.183	1.242	-5.0	104	0.00	8.39
112		1,2-dichlorobenzene	1.130	1.160	-2.7	102	0.00	8.60
113		1,2,3-trimethylbenzene		----------NA----------				
114		n-butylbenzene	0.987	1.041	-5.5	102	0.00	8.49
115		1,2-dibromo-3-chloropropa	0.258	0.271	-5.0	106	0.00	9.00
116		1,3,5-trichlorobenzene	0.650	0.739	-13.7	115	0.00	9.01
117		1,2,4-trichlorobenzene	0.571	0.594	-4.0	103	0.00	9.33
118		hexachlorobutadiene	0.210	0.223	-6.2	105	0.00	9.30
119		naphthalene	2.030	2.049	-0.9	102	0.00	9.50
120		1,2,3-trichlorobenzene	0.542	0.554	-2.2	102	0.00	9.60
121		hexachloroethane	0.359	0.359	0.0	101	0.00	8.59
122		benzyl chloride	0.373	0.371	0.5	101	0.00	8.50
123		2-methylnaphthalene	0.998	1.049	-5.1	105	0.00	10.07
124	I	pentafluorobenzene(a)	1.000	1.000	0.0	104	0.00	4.81
125		Freon 142B		----------NA----------				
126		vinyl bromide		----------NA----------				
127		allyl chloride		----------NA----------				
128	I	1,4-dichlorobenzene-d4(a)	1.000	1.000	0.0	102	0.00	8.38
129		4-ethyltoluene		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2K23809.D M2K658.M Mon Sep 08 13:26:34 2025

Initial Calibration Verification

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: V2K658-ICV658
Lab FileID: 2K23821.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\Initials\VK658\2K23821.D Vial: 16
Acq On : 6 Sep 2025 4:46 am Operator: PrashanS
Sample : ICV658-50 Inst : GCMSK
Misc : MS95614,V2K658,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M2K658.M (RTE Integrator)
Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
Last Update : Mon Sep 08 13:21:53 2025
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	91	0.00	3.50
2		ethanol		----------NA----------				
3	M	tertiary butyl alcohol		----------NA----------				
4		1,4-dioxane		----------NA----------				
5	I	pentafluorobenzene	1.000	1.000	0.0	102	0.00	4.81
6		chlorodifluoromethane	0.674	0.568	15.7	83	0.00	1.77
7		dichlorodifluoromethane		----------NA----------				
8		chloromethane		----------NA----------				
9		vinyl chloride		----------NA----------				
10		1,3-butadiene		----------NA----------				
11		bromomethane		----------NA----------				
12		chloroethane		----------NA----------				
13		trichlorofluoromethane		----------NA----------				
14		ethyl ether		----------NA----------				
15		acrolein		----------NA----------				
16		freon 113		----------NA----------				
17		1,1-dichloroethene		----------NA----------				
18		acetone		----------NA----------				
19		acetonitrile	0.114	0.115	-0.9	99	0.00	3.70
		----------	True	Calc.	% Drift	----------		
20		iodomethane		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
21		carbon disulfide		----------NA----------				
22		methylene chloride		----------NA----------				
23		methyl acetate		----------NA----------				
24		methyl tert butyl ether		----------NA----------				
25		trans-1,2-dichloroethene		----------NA----------				
26		hexane		----------NA----------				
27		di-isopropyl ether		----------NA----------				
28		ethyl tert-butyl ether		----------NA----------				
29		2-butanone		----------NA----------				
30	M	1,1-dichloroethane		----------NA----------				
31		chloroprene		----------NA----------				
32		acrylonitrile	0.238	0.253	-6.3	103	0.00	3.91
33		vinyl acetate		----------NA----------				
34		ethyl acetate		----------NA----------				
35		2,2-dichloropropane		----------NA----------				
36		cis-1,2-dichloroethene		----------NA----------				
37		propionitrile		----------NA----------				

Initial Calibration Verification

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: V2K658-ICV658
Lab FileID: 2K23821.D

38		methyl acrylate		----------NA----------				
39		bromochloromethane		----------NA----------				
40		tetrahydrofuran		----------NA----------				
41		chloroform		----------NA----------				
42	S	dibromofluoromethane (s)	0.426	0.417	2.1	99	0.00	4.53
43		methacrylonitrile		----------NA----------				
44		1,1,1-trichloroethane		----------NA----------				
45		cyclohexane		----------NA----------				
46		1,1-dichloropropene		----------NA----------				
47		carbon tetrachloride		----------NA----------				
48		isobutyl alcohol		----------NA----------				
49		tert-amyl alcohol		----------NA----------				
50	I	1,4-difluorobenzene	1.000	1.000	0.0	97	0.00	5.17
51	S	1,2-dichloroethane-d4 (s)	0.354	0.337	4.8	97	0.00	4.88
52		iso-octane		----------NA----------				
53	M	benzene		----------NA----------				
54		tert-amyl methyl ether		----------NA----------				
55		heptane		----------NA----------				
56		isopropyl acetate		----------NA----------				
57		1,2-dichloroethane		----------NA----------				
58		n-butyl alcohol		----------NA----------				
59		ethyl acrylate		----------NA----------				
60		trichloroethene		----------NA----------				
61		2-nitropropane		----------NA----------				
62		2-chloroethyl vinyl ether		----------NA----------				
63		methyl methacrylate		----------NA----------				
64		1,2-dichloropropane		----------NA----------				
65		methylcyclohexane		----------NA----------				
66		dibromomethane		----------NA----------				
67		bromodichloromethane		----------NA----------				
68		epichlorohydrin		----------NA----------				
69		cis-1,3-dichloropropene		----------NA----------				
70		4-methyl-2-pentanone		----------NA----------				
71		3-methyl-1-butanol		----------NA----------				
72	I	chlorobenzene-d5	1.000	1.000	0.0	97	0.00	7.11
73	S	toluene-d8 (s)	1.378	1.395	-1.2	99	0.00	6.12
74		toluene		----------NA----------				
75		ethyl methacrylate		----------NA----------				
76		trans-1,3-dichloropropene		----------NA----------				
77		1,1,2-trichloroethane		----------NA----------				
78		tetrachloroethene	0.275	0.269	2.2	93	0.00	6.42
79		2-hexanone		----------NA----------				
80		1,3-dichloropropane		----------NA----------				
81		butyl acetate		----------NA----------				
82		dibromochloromethane		----------NA----------				
83		1,2-dibromoethane		----------NA----------				
84		n-butyl ether		----------NA----------				
85		chlorobenzene		----------NA----------				
86		1,1,1,2-tetrachloroethane		----------NA----------				
87		ethylbenzene		----------NA----------				
88		m,p-xylene		----------NA----------				
89		o-xylene		----------NA----------				
90		styrene		----------NA----------				
91		bromoform		----------NA----------				
92		butyl acrylate		----------NA----------				
93		isopropylbenzene		----------NA----------				
94		n-amyl acetate		----------NA----------				
95		cis-1,4-dichloro-2-butene		----------NA----------				

Initial Calibration Verification

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: V2K658-ICV658
Lab FileID: 2K23821.D

96	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	97	0.00	8.38
97	S	4-bromofluorobenzene (s)	1.049	1.060	-1.0	99	0.00	7.79
98		bromobenzene		----------NA----------				
99		1,1,2,2-tetrachloroethane		----------NA----------				
100		trans-1,4-dichloro-2-bute		----------NA----------				
101		1,2,3-trichloropropane		----------NA----------				
102		n-propylbenzene		----------NA----------				
103		2-chlorotoluene		----------NA----------				
104		4-chlorotoluene		----------NA----------				
105		1,3,5-trimethylbenzene		----------NA----------				
106		tert-butylbenzene		----------NA----------				
107		1,2,4-trimethylbenzene		----------NA----------				
108		sec-butylbenzene		----------NA----------				
109		1,3-dichlorobenzene		----------NA----------				
110		p-isopropyltoluene		----------NA----------				
111		1,4-dichlorobenzene		----------NA----------				
112		1,2-dichlorobenzene		----------NA----------				
113		1,2,3-trimethylbenzene	2.081	2.275	-9.3	105	0.00	8.38
114		n-butylbenzene		----------NA----------				
115		1,2-dibromo-3-chloropropa		----------NA----------				
116		1,3,5-trichlorobenzene		----------NA----------				
117		1,2,4-trichlorobenzene		----------NA----------				
118		hexachlorobutadiene		----------NA----------				
119		naphthalene		----------NA----------				
120		1,2,3-trichlorobenzene		----------NA----------				
121		hexachloroethane		----------NA----------				
122		benzyl chloride		----------NA----------				
123		2-methylnaphthalene		----------NA----------				
124	I	pentafluorobenzene(a)	1.000	1.000	0.0	102	0.00	4.81
125		Freon 142B		----------NA----------				
126		vinyl bromide		----------NA----------				
127		allyl chloride		----------NA----------				
128	I	1,4-dichlorobenzene-d4(a)	1.000	1.000	0.0	97	0.00	8.38
129		4-ethyltoluene		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2K23809.D M2K658.M Mon Sep 08 13:31:19 2025

Continuing Calibration Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: V2K694-CC658
Lab FileID: 2K25208.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\k...2025\v2k694\2K25208.d Vial: 50
Acq On : 17 Oct 2025 11:03 pm Operator: EDWARDD
Sample : cc658-50 Inst : GCMSK
Misc : MS97898,V2K694,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M2K658.M (RTE Integrator)
Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
Last Update : Mon Sep 08 13:21:53 2025
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	100	0.00	3.50
2		ethanol	0.127	0.127	0.0	97	0.00	2.83
3	M	tertiary butyl alcohol	1.136	1.085	4.5	94	0.00	3.55
4		1,4-dioxane	0.082	0.080	2.4	94	0.00	5.67
5	I	pentafluorobenzene	1.000	1.000	0.0	106	0.00	4.80
6		chlorodifluoromethane	0.674	0.475	29.5#	72	0.00	1.77
7		dichlorodifluoromethane	0.493	0.416	15.6	86	0.00	1.73
8		chloromethane	0.575	0.544	5.4	97	0.00	1.91
9		vinyl chloride	0.479	0.470	1.9	99	0.00	1.98
10		1,3-butadiene	0.476	0.537	-12.8	119	0.00	1.99
11		bromomethane	0.153	0.100	34.6#	65	0.00	2.25
12		chloroethane	0.240	0.196	18.3	80	0.00	2.36
13		trichlorofluoromethane	0.654	0.520	20.5#	80	0.00	2.48
14		ethyl ether	0.236	0.202	14.4	89	0.00	2.73
15		acrolein		----------NA----------				
16		freon 113	0.292	0.248	15.1	89	0.00	2.92
17		1,1-dichloroethene	0.613	0.519	15.3	86	0.00	2.90
18		acetone	0.075	0.065	13.3	92	0.00	3.36
19		acetonitrile	0.114	0.108	5.3	96	0.00	3.69
		----------	True	Calc.	% Drift	----------		
20		iodomethane	50.000	26.673	46.7#	53	0.00	3.03
		----------	AvgRF	CCRF	% Dev	----------		
21		carbon disulfide	1.043	0.840	19.5	83	0.00	2.94
22		methylene chloride	0.360	0.314	12.8	91	0.00	3.33
23		methyl acetate	0.103	0.092	10.7	93	0.00	3.44
24		methyl tert butyl ether	1.248	1.039	16.7	88	0.00	3.51
25		trans-1,2-dichloroethene	0.364	0.319	12.4	93	0.00	3.45
26		hexane	0.971	0.840	13.5	90	0.00	3.50
27		di-isopropyl ether	1.604	1.393	13.2	89	0.00	3.76
28		ethyl tert-butyl ether	1.436	1.246	13.2	88	0.00	4.01
29		2-butanone	0.082	0.079	3.7	92	0.00	4.59
30	M	1,1-dichloroethane	0.745	0.647	13.2	90	0.00	3.88
31		chloroprene	0.806	0.683	15.3	85	-0.01	3.86
32		acrylonitrile		----------NA----------				
33		vinyl acetate	0.100	0.096	4.0	99	0.00	4.02
34		ethyl acetate	0.068	0.054	20.6#	85	0.00	4.45
35		2,2-dichloropropane	0.594	0.512	13.8	92	0.00	4.31
36		cis-1,2-dichloroethene	0.385	0.329	14.5	92	0.00	4.24
37		propionitrile	0.127	0.118	7.1	96	0.00	4.79

Continuing Calibration Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: V2K694-CC658
Lab FileID: 2K25208.D

38		methyl acrylate	0.090	0.081	10.0	91	0.00	4.47
39		bromochloromethane	0.168	0.163	3.0	98	0.00	4.37
40		tetrahydrofuran	0.085	0.076	10.6	93	0.00	4.51
41		chloroform	0.702	0.583	17.0	90	0.00	4.40
42	S	dibromofluoromethane (s)	0.426	0.393	7.7	98	0.00	4.52
43		methacrylonitrile	0.253	0.217	14.2	93	0.00	4.81
44		1,1,1-trichloroethane	0.600	0.501	16.5	89	0.00	4.56
45		cyclohexane	0.539	0.536	0.6	97	0.00	4.38
46		1,1-dichloropropene	0.524	0.467	10.9	89	0.00	4.63
47		carbon tetrachloride	0.547	0.453	17.2	89	0.00	4.51
48		isobutyl alcohol		----------NA----------				
49		tert-amyl alcohol	0.041	0.036	12.2	92	0.00	4.94
50	I	1,4-difluorobenzene	1.000	1.000	0.0	103	0.00	5.17
51	S	1,2-dichloroethane-d4 (s)	0.354	0.308	13.0	94	-0.01	4.87
52		iso-octane	0.945	0.768	18.7	82	0.00	4.69
53	M	benzene	0.944	0.830	12.1	90	0.00	4.79
54		tert-amyl methyl ether	0.802	0.693	13.6	89	0.00	4.84
55		heptane	0.138	0.131	5.1	97	0.00	4.74
56		isopropyl acetate	0.077	0.070	9.1	89	0.00	5.03
57		1,2-dichloroethane	0.379	0.315	16.9	89	0.00	4.92
58		n-butyl alcohol	0.021	0.020	4.8	93	0.00	5.31
59		ethyl acrylate	0.516	0.474	8.1	90	0.00	5.47
60		trichloroethene	0.230	0.233	-1.3	99	0.00	5.16
61		2-nitropropane	0.135	0.120	11.1	93	0.00	6.30
62		2-chloroethyl vinyl ether	0.177	0.159	10.2	84	0.00	5.92
63		methyl methacrylate	0.090	0.087	3.3	95	0.00	5.61
64		1,2-dichloropropane	0.263	0.234	11.0	91	0.00	5.51
65		methylcyclohexane	0.168	0.157	6.5	92	0.00	5.16
66		dibromomethane	0.146	0.126	13.7	91	-0.01	5.44
67		bromodichloromethane	0.315	0.276	12.4	90	0.00	5.54
68		epichlorohydrin	0.058	0.053	8.6	91	0.00	6.15
69		cis-1,3-dichloropropene	0.402	0.352	12.4	89	0.00	5.98
70		4-methyl-2-pentanone	0.172	0.158	8.1	92	0.00	6.38
71		3-methyl-1-butanol	0.016	0.015	6.3	93	0.00	6.21
72	I	chlorobenzene-d5	1.000	1.000	0.0	102	0.00	7.11
73	S	toluene-d8 (s)	1.378	1.344	2.5	100	0.00	6.12
74		toluene	0.719	0.655	8.9	92	0.00	6.15
75		ethyl methacrylate	0.450	0.417	7.3	91	0.00	6.49
76		trans-1,3-dichloropropene	0.474	0.419	11.6	89	0.00	6.42
77		1,1,2-trichloroethane	0.218	0.194	11.0	90	0.00	6.53
78		tetrachloroethene	0.275	0.275	0.0	99	0.00	6.42
79		2-hexanone	0.225	0.211	6.2	93	0.00	6.90
80		1,3-dichloropropane	0.475	0.428	9.9	90	0.00	6.70
81		butyl acetate	0.329	0.308	6.4	92	0.00	6.83
82		dibromochloromethane	0.283	0.276	2.5	95	0.00	6.65
83		1,2-dibromoethane	0.266	0.251	5.6	91	0.00	6.81
84		n-butyl ether	1.506	1.408	6.5	91	0.00	7.01
85		chlorobenzene	0.748	0.735	1.7	99	0.00	7.12
86		1,1,1,2-tetrachloroethane	0.266	0.259	2.6	93	0.00	7.14
87		ethylbenzene	1.376	1.258	8.6	93	0.00	7.12
88		m,p-xylene	0.504	0.499	1.0	96	0.00	7.20
89		o-xylene	0.491	0.479	2.4	95	0.00	7.45
90		styrene	0.833	0.797	4.3	92	0.00	7.48
91		bromoform	0.225	0.204	9.3	91	0.00	7.51
92		butyl acrylate	0.843	0.791	6.2	92	0.00	7.52
93		isopropylbenzene	1.220	1.194	2.1	94	0.00	7.62
94		n-amyl acetate	0.271	0.257	5.2	90	0.00	7.66
95		cis-1,4-dichloro-2-butene	0.195	0.083	57.4#	39#	0.00	7.81

Continuing Calibration Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: V2K694-CC658
Lab FileID: 2K25208.D

96	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	108	0.00	8.37
97	S	4-bromofluorobenzene (s)	1.049	0.915	12.8	94	0.00	7.78
98		bromobenzene	0.641	0.580	9.5	96	0.00	7.86
99		1,1,2,2-tetrachloroethane	0.829	0.724	12.7	92	0.00	7.88
100		trans-1,4-dichloro-2-bute	0.380	0.139	63.4#	39#	0.00	7.97
101		1,2,3-trichloropropane	0.281	0.242	13.9	91	0.00	7.96
102		n-propylbenzene	2.940	2.681	8.8	93	0.00	7.84
103		2-chlorotoluene	0.601	0.571	5.0	99	0.00	7.94
104		4-chlorotoluene	1.926	1.654	14.1	90	0.00	8.03
105		1,3,5-trimethylbenzene	2.008	1.805	10.1	94	0.00	7.94
106		tert-butylbenzene	1.722	1.581	8.2	96	0.00	8.12
107		1,2,4-trimethylbenzene	1.994	1.802	9.6	94	0.00	8.15
108		sec-butylbenzene	2.275	2.148	5.6	95	0.00	8.21
109		1,3-dichlorobenzene	1.186	1.102	7.1	97	0.00	8.34
110		p-isopropyltoluene	1.983	1.839	7.3	96	0.00	8.27
111		1,4-dichlorobenzene	1.183	1.123	5.1	100	0.00	8.38
112		1,2-dichlorobenzene	1.130	1.052	6.9	98	0.00	8.60
113		1,2,3-trimethylbenzene	2.081	1.845	11.3	94	0.00	8.38
114		n-butylbenzene	0.987	0.917	7.1	95	0.00	8.49
115		1,2-dibromo-3-chloropropa	0.258	0.229	11.2	95	0.00	9.00
116		1,3,5-trichlorobenzene	0.650	0.602	7.4	100	0.00	9.01
117		1,2,4-trichlorobenzene	0.571	0.538	5.8	99	0.00	9.33
118		hexachlorobutadiene	0.210	0.210	0.0	105	0.00	9.30
119		naphthalene	2.030	1.906	6.1	101	0.00	9.50
120		1,2,3-trichlorobenzene	0.542	0.507	6.5	99	0.00	9.59
121		hexachloroethane	0.359	0.300	16.4	90	0.00	8.59
122		benzyl chloride	0.373	0.362	2.9	105	0.00	8.50
123		2-methylnaphthalene	0.998	0.930	6.8	99	0.00	10.07
124	I	pentafluorobenzene(a)	1.000	1.000	0.0	106	0.00	4.80
125		Freon 142B		----------NA----------				
126		vinyl bromide		----------NA----------				
127		allyl chloride		----------NA----------				
128	I	1,4-dichlorobenzene-d4(a)	1.000	1.000	0.0	108	0.00	8.37
129		4-ethyltoluene		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2K23809.D M2K658.M Mon Oct 20 13:58:33 2025

Continuing Calibration Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: V2K694-CC658
Lab FileID: 2K25210.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\k...2025\v2k694\2K25210.d Vial: 52
Acq On : 17 Oct 2025 11:36 pm Operator: EDWARDD
Sample : cc658-1 Inst : GCMSK
Misc : MS97898,V2K694,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M2K658.M (RTE Integrator)
Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
Last Update : Mon Sep 08 13:21:53 2025
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 200% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	111	0.00	3.50
2		ethanol		----------NA----------				
3	M	tertiary butyl alcohol		----------NA----------				
4		1,4-dioxane		----------NA----------				
5	I	pentafluorobenzene	1.000	1.000	0.0	119	0.00	4.80
6		chlorodifluoromethane	0.674	0.499	26.0	90	0.00	1.76
7		dichlorodifluoromethane		----------NA----------				
8		chloromethane		----------NA----------				
9		vinyl chloride		----------NA----------				
10		1,3-butadiene		----------NA----------				
11		bromomethane	0.153	0.117	23.5	93	0.00	2.26
12		chloroethane		----------NA----------				
13		trichlorofluoromethane	0.654	0.398	39.1	70	0.00	2.49
14		ethyl ether		----------NA----------				
15		acrolein		----------NA----------				
16		freon 113		----------NA----------				
17		1,1-dichloroethene		----------NA----------				
18		acetone		----------NA----------				
19		acetonitrile		----------NA----------				
		----------	True	Calc.	% Drift	----------		
20		iodomethane	1.000	1.679	-67.9	0	0.00	3.03
		----------	AvgRF	CCRF	% Dev	----------		
21		carbon disulfide		----------NA----------				
22		methylene chloride		----------NA----------				
23		methyl acetate		----------NA----------				
24		methyl tert butyl ether		----------NA----------				
25		trans-1,2-dichloroethene		----------NA----------				
26		hexane		----------NA----------				
27		di-isopropyl ether		----------NA----------				
28		ethyl tert-butyl ether		----------NA----------				
29		2-butanone		----------NA----------				
30	M	1,1-dichloroethane		----------NA----------				
31		chloroprene		----------NA----------				
32		acrylonitrile		----------NA----------				
33		vinyl acetate		----------NA----------				
34		ethyl acetate	0.068	0.058	14.7	0#	-0.02	4.44
35		2,2-dichloropropane		----------NA----------				
36		cis-1,2-dichloroethene		----------NA----------				
37		propionitrile		----------NA----------				

Continuing Calibration Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY
Sample: V2K694-CC658
Lab FileID: 2K25210.D

38		methyl acrylate			----------NA----------				
39		bromochloromethane			----------NA----------				
40		tetrahydrofuran			----------NA----------				
41		chloroform			----------NA----------				
42	S	dibromofluoromethane (s)	0.426	0.404	5.2	114	0.00	4.52	
43		methacrylonitrile			----------NA----------				
44		1,1,1-trichloroethane			----------NA----------				
45		cyclohexane			----------NA----------				
46		1,1-dichloropropene			----------NA----------				
47		carbon tetrachloride			----------NA----------				
48		isobutyl alcohol			----------NA----------				
49		tert-amyl alcohol			----------NA----------				
50	I	1,4-difluorobenzene	1.000	1.000	0.0	119	0.00	5.17	
51	S	1,2-dichloroethane-d4 (s)	0.354	0.323	8.8	105	-0.01	4.87	
52		iso-octane			----------NA----------				
53	M	benzene			----------NA----------				
54		tert-amyl methyl ether			----------NA----------				
55		heptane			----------NA----------				
56		isopropyl acetate			----------NA----------				
57		1,2-dichloroethane			----------NA----------				
58		n-butyl alcohol			----------NA----------				
59		ethyl acrylate			----------NA----------				
60		trichloroethene			----------NA----------				
61		2-nitropropane			----------NA----------				
62		2-chloroethyl vinyl ether			----------NA----------				
63		methyl methacrylate			----------NA----------				
64		1,2-dichloropropane			----------NA----------				
65		methylcyclohexane			----------NA----------				
66		dibromomethane			----------NA----------				
67		bromodichloromethane			----------NA----------				
68		epichlorohydrin			----------NA----------				
69		cis-1,3-dichloropropene			----------NA----------				
70		4-methyl-2-pentanone			----------NA----------				
71		3-methyl-1-butanol			----------NA----------				
72	I	chlorobenzene-d5	1.000	1.000	0.0	118	0.00	7.11	
73	S	toluene-d8 (s)	1.378	1.328	3.6	115	0.00	6.12	
74		toluene			----------NA----------				
75		ethyl methacrylate			----------NA----------				
76		trans-1,3-dichloropropene			----------NA----------				
77		1,1,2-trichloroethane			----------NA----------				
78		tetrachloroethene			----------NA----------				
79		2-hexanone			----------NA----------				
80		1,3-dichloropropane			----------NA----------				
81		butyl acetate			----------NA----------				
82		dibromochloromethane			----------NA----------				
83		1,2-dibromoethane			----------NA----------				
84		n-butyl ether			----------NA----------				
85		chlorobenzene			----------NA----------				
86		1,1,1,2-tetrachloroethane			----------NA----------				
87		ethylbenzene			----------NA----------				
88		m,p-xylene			----------NA----------				
89		o-xylene			----------NA----------				
90		styrene			----------NA----------				
91		bromoform			----------NA----------				
92		butyl acrylate			----------NA----------				
93		isopropylbenzene			----------NA----------				
94		n-amyl acetate			----------NA----------				
95		cis-1,4-dichloro-2-butene			----------NA----------				

Continuing Calibration Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: V2K694-CC658
Lab FileID: 2K25210.D

96	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	121	0.00	8.37
97	S	4-bromofluorobenzene (s)	1.049	0.935	10.9	109	0.00	7.78
98		bromobenzene		----------NA----------				
99		1,1,2,2-tetrachloroethane		----------NA----------				
100		trans-1,4-dichloro-2-bute	0.380	0.101	73.4	30#	0.00	7.98
101		1,2,3-trichloropropane		----------NA----------				
102		n-propylbenzene		----------NA----------				
103		2-chlorotoluene		----------NA----------				
104		4-chlorotoluene		----------NA----------				
105		1,3,5-trimethylbenzene		----------NA----------				
106		tert-butylbenzene		----------NA----------				
107		1,2,4-trimethylbenzene		----------NA----------				
108		sec-butylbenzene		----------NA----------				
109		1,3-dichlorobenzene		----------NA----------				
110		p-isopropyltoluene		----------NA----------				
111		1,4-dichlorobenzene		----------NA----------				
112		1,2-dichlorobenzene		----------NA----------				
113		1,2,3-trimethylbenzene		----------NA----------				
114		n-butylbenzene		----------NA----------				
115		1,2-dibromo-3-chloropropa		----------NA----------				
116		1,3,5-trichlorobenzene		----------NA----------				
117		1,2,4-trichlorobenzene		----------NA----------				
118		hexachlorobutadiene		----------NA----------				
119		naphthalene		----------NA----------				
120		1,2,3-trichlorobenzene		----------NA----------				
121		hexachloroethane		----------NA----------				
122		benzyl chloride		----------NA----------				
123		2-methylnaphthalene		----------NA----------				
124	I	pentafluorobenzene(a)	1.000	1.000	0.0	119	0.00	4.80
125		Freon 142B		----------NA----------				
126		vinyl bromide		----------NA----------				
127		allyl chloride		----------NA----------				
128	I	1,4-dichlorobenzene-d4(a)	1.000	1.000	0.0	121	0.00	8.37
129		4-ethyltoluene		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2K23799.D M2K658.M Mon Oct 20 14:06:26 2025

Run Sequence Report

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Run ID: V2K658	**Method:** SW846 8260D	**Instrument ID:** GCMS2K

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V2K658-BFB	2K23793.D	09/05/25 20:36	n/a	BFB Tune
V2K658-IC658	2K23795.D	09/05/25 21:24	n/a	Initial cal 0.2
V2K658-IC658	2K23797.D	09/05/25 21:59	n/a	Initial cal 0.5
V2K658-IC658	2K23799.D	09/05/25 22:33	n/a	Initial cal 1
V2K658-IC658	2K23801.D	09/05/25 23:07	n/a	Initial cal 2
V2K658-IC658	2K23803.D	09/05/25 23:41	n/a	Initial cal 4
V2K658-IC658	2K23805.D	09/06/25 00:15	n/a	Initial cal 8
V2K658-IC658	2K23807.D	09/06/25 00:49	n/a	Initial cal 20
V2K658-ICC658	2K23809.D	09/06/25 01:23	n/a	Initial cal 50
V2K658-IC658	2K23811.D	09/06/25 01:57	n/a	Initial cal 100
V2K658-IC658	2K23813.D	09/06/25 02:31	n/a	Initial cal 200
V2K658-ICV658	2K23819.D	09/06/25 04:13	n/a	Initial cal verification 50
V2K658-ICV658	2K23821.D	09/06/25 04:46	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Run ID: V2K694	**Method:** SW846 8260D	**Instrument ID:** GCMS2K

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V2K694-CC658	2K25208.D	10/17/25 23:03	n/a	Continuing cal 50
V2K694-CC658	2K25210.D	10/17/25 23:36	n/a	Continuing cal 1
V2K694-BS	2K25212.D	10/18/25 00:10	n/a	Blank Spike
V2K694-MB	2K25214.D	10/18/25 00:44	n/a	Method Blank
JE20825-1	2K25216.D	10/18/25 01:18	n/a	MW-EPA-07-10092025
JE20825-1MS	2K25218.D	10/18/25 01:52	n/a	Matrix Spike
JE20825-1MSD	2K25220.D	10/18/25 02:25	n/a	Matrix Spike Duplicate
JE20825-6	2K25224.D	10/18/25 03:33	n/a	TRIP BLANK
JE20825-3	2K25226.D	10/18/25 04:07	n/a	DUP-10092025
JE20825-4	2K25228.D	10/18/25 04:41	n/a	MW-SS-08-05-10092025
JE20825-5	2K25230.D	10/18/25 05:14	n/a	MW-SS-08-08-10092025
ZZZZZZ	2K25232.D	10/18/25 05:48	n/a	(unrelated sample)
ZZZZZZ	2K25234.D	10/18/25 06:22	n/a	(unrelated sample)
ZZZZZZ	2K25236.D	10/18/25 06:55	n/a	(unrelated sample)
ZZZZZZ	2K25238.D	10/18/25 07:29	n/a	(unrelated sample)
ZZZZZZ	2K25240.D	10/18/25 08:03	n/a	(unrelated sample)

MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\karoln\10. October\20102025\v2k694\
Data File : 2K25216.d
Acq On : 18 Oct 2025 1:18 am
Operator : EDWARDD
Sample : je20825-1 Inst : GCMSK
Misc : MS98030,V2K694,5,,,,1
ALS Vial : 58 Sample Multiplier: 1

Quant Time: Oct 20 14:24:20 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 13:21:53 2025
Response via : Initial Calibration

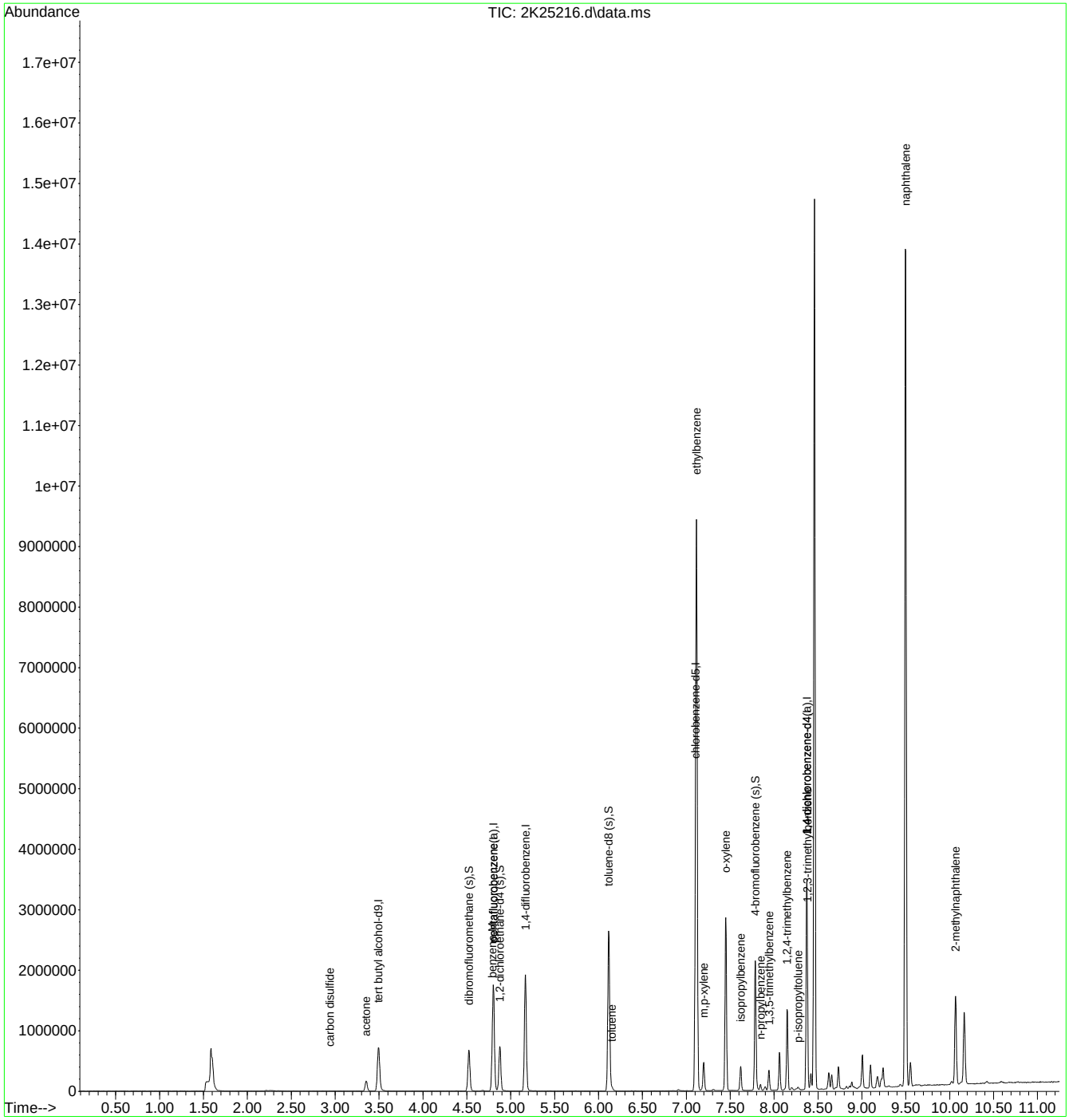
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	3.492	65	753743	500.00	ug/L	-0.01
5) pentafluorobenzene	4.804	168	848205	50.00	ug/L	0.00
50) 1,4-difluorobenzene	5.167	114	1305649	50.00	ug/L	0.00
72) chlorobenzene-d5	7.103	117	1103559	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	8.373	152	550145	50.00	ug/L	0.00
124) pentafluorobenzene(a)	4.804	168	848205	50.00	ug/L	0.00
128) 1,4-dichlorobenzene-d4(a)	8.373	152	550145	50.00	ug/L	0.00
System Monitoring Compounds						
42) dibromofluoromethane (s)	4.524	113	342162	47.29	ug/L	0.00
Spiked Amount 50.000	Range 75 - 127		Recovery = 94.58%			
51) 1,2-dichloroethane-d4 (s)	4.875	65	421824	45.62	ug/L	-0.01
Spiked Amount 50.000	Range 75 - 130		Recovery = 91.24%			
73) toluene-d8 (s)	6.116	98	1473132	48.43	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 96.86%			
97) 4-bromofluorobenzene (s)	7.785	95	517510	44.82	ug/L	0.00
Spiked Amount 50.000	Range 79 - 127		Recovery = 89.64%			
Target Compounds						Qvalue
18) acetone	3.351	58	59630	46.6327	ug/L #	79
21) carbon disulfide	2.939	76	3927	0.2219	ug/L	84
53) benzene	4.791	78	302635	12.2810	ug/L	82
74) toluene	6.151	92	19034	1.1992	ug/L	94
87) ethylbenzene	7.116	91	4491809	147.9542	ug/L	87
88) m,p-xylene	7.196	106	100882	9.0618	ug/L	91
89) o-xylene	7.450	106	591967	54.6692	ug/L	93
93) isopropylbenzene	7.621	105	190237	7.0673	ug/L	97
102) n-propylbenzene	7.846	91	50386	1.5578	ug/L	96
105) 1,3,5-trimethylbenzene	7.942	105	123517	5.5900	ug/L	94
107) 1,2,4-trimethylbenzene	8.148	105	504793	23.0082	ug/L	99
110) p-isopropyltoluene	8.273	119	18176	0.8330	ug/L	92
113) 1,2,3-trimethylbenzene	8.380	105	233431	10.1944	ug/L	96
119) naphthalene	9.498	128	8240981	368.8895	ug/L	99
123) 2-methylnaphthalene	10.068	142	588461	53.5632	ug/L	96

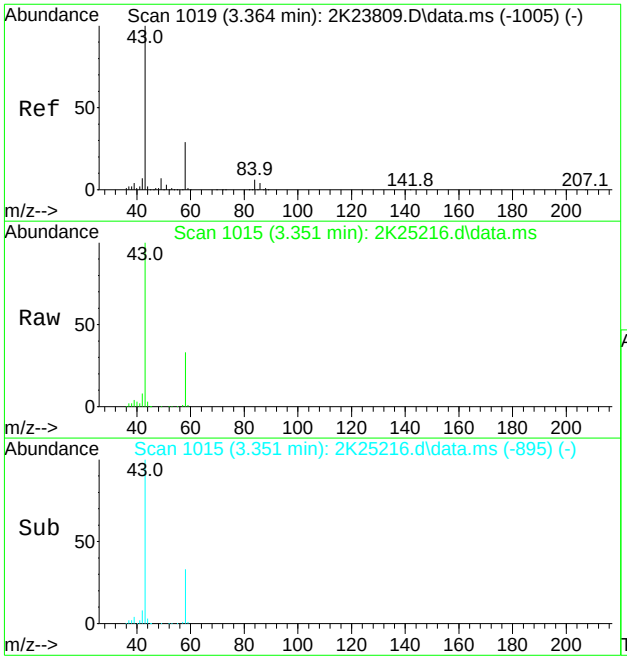
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\karoln\10. October\20102025\v2k694\
Data File : 2K25216.d
Acq On : 18 Oct 2025 1:18 am
Operator : EDWARDD
Sample : je20825-1 Inst : GCMSK
Misc : MS98030,V2K694,5,,,,1
ALS Vial : 58 Sample Multiplier: 1

Quant Time: Oct 20 14:24:20 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 13:21:53 2025
Response via : Initial Calibration

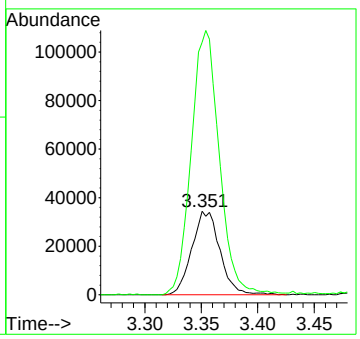


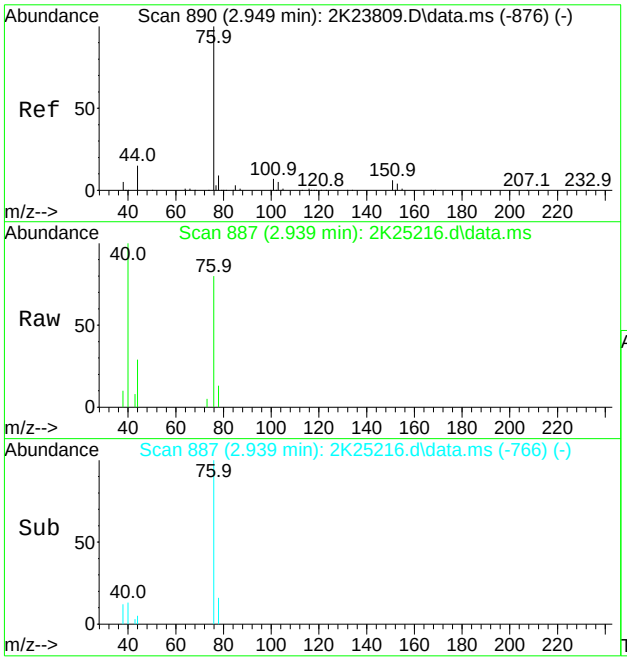


#18
acetone
Concen: 46.6327 ug/L
RT: 3.351 min Scan# 1015
Delta R.T. -0.013 min
Lab File: 2K25216.d
Acq: 18 Oct 2025 1:18 am

Tgt Ion: 58 Resp: 59630

Ion	Ratio	Lower	Upper
58	100		
43	301.7	317.9	377.9#

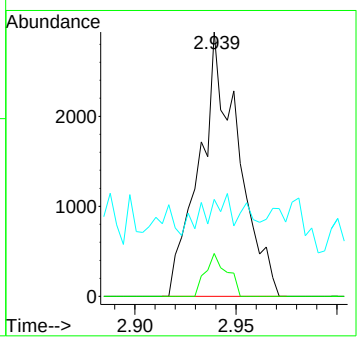


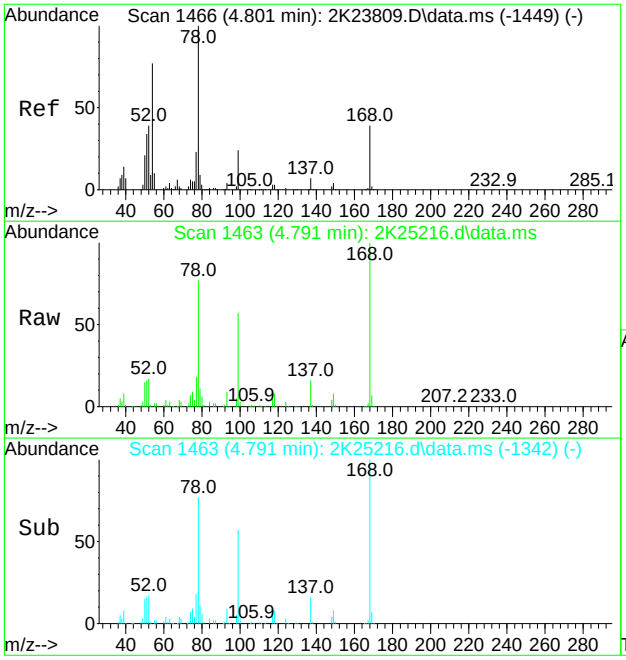


#21
carbon disulfide
Concen: 0.2219 ug/L
RT: 2.939 min Scan# 887
Delta R.T. -0.010 min
Lab File: 2K25216.d
Acq: 18 Oct 2025 1:18 am

Tgt Ion: 76 Resp: 3927

Ion	Ratio	Lower	Upper
76	100		
78	16.2	0.0	39.4
44	9.3	0.0	44.9

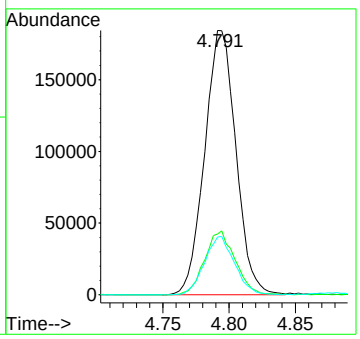


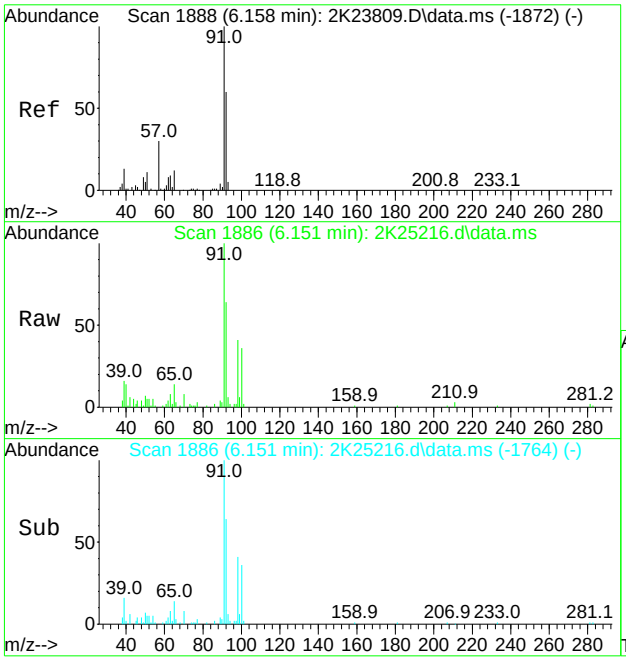


#53
benzene
Concen: 12.2810 ug/L
RT: 4.791 min Scan# 1463
Delta R.T. -0.010 min
Lab File: 2K25216.d
Acq: 18 Oct 2025 1:18 am

Tgt Ion: 78 Resp: 302635

Ion	Ratio	Lower	Upper
78	100		
77	23.1	0.0	53.5
52	21.9	8.9	68.9

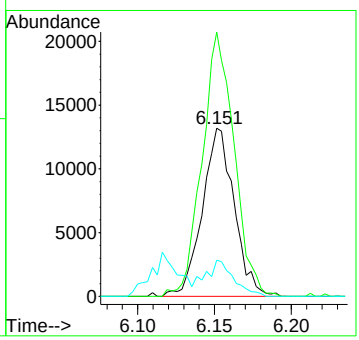


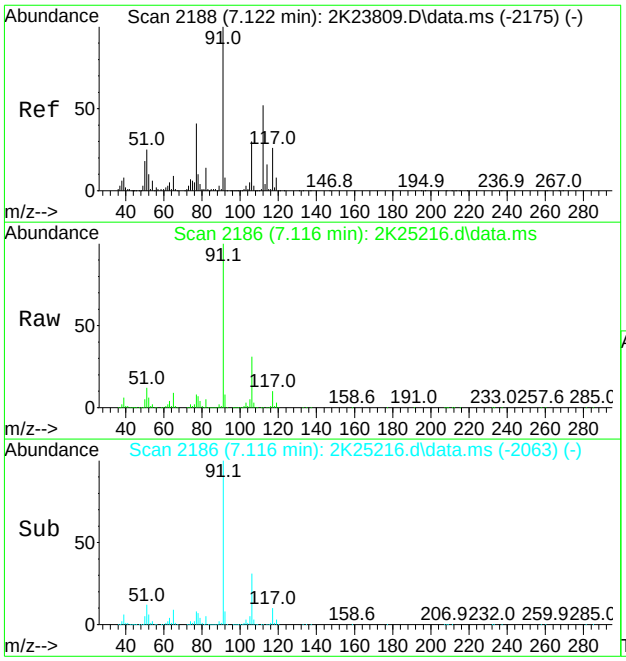


#74
toluene
Concen: 1.1992 ug/L
RT: 6.151 min Scan# 1886
Delta R.T. -0.007 min
Lab File: 2K25216.d
Acq: 18 Oct 2025 1:18 am

Tgt Ion: 92 Resp: 19034

Ion	Ratio	Lower	Upper
92	100		
91	157.3	145.9	185.9
65	21.5	0.5	40.5

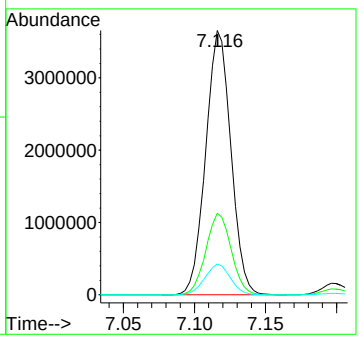


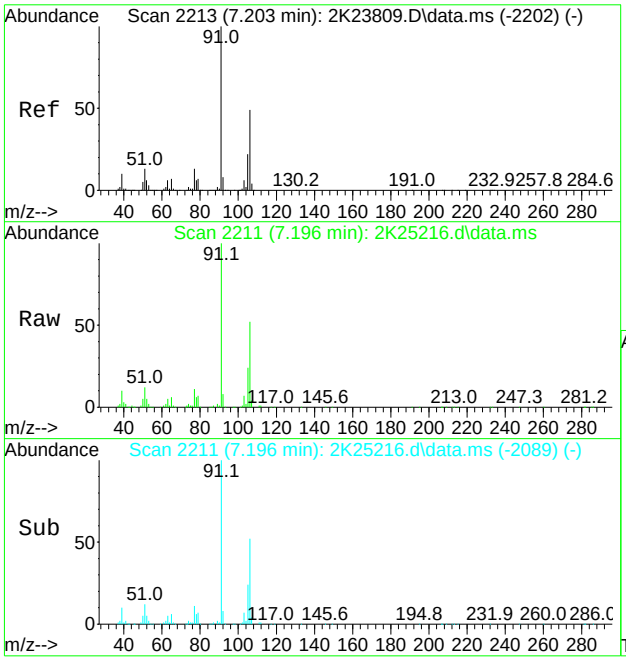


#87
ethylbenzene
Concen: 147.9542 ug/L
RT: 7.116 min Scan# 2186
Delta R.T. -0.006 min
Lab File: 2K25216.d
Acq: 18 Oct 2025 1:18 am

Tgt Ion: 91 Resp: 4491809

Ion	Ratio	Lower	Upper
91	100		
106	30.9	0.3	60.3
51	11.7	0.0	55.4

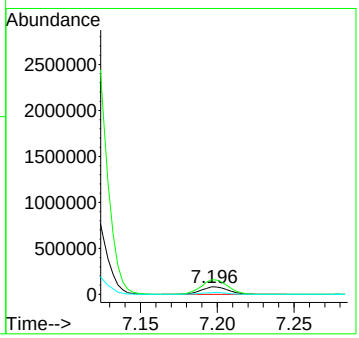


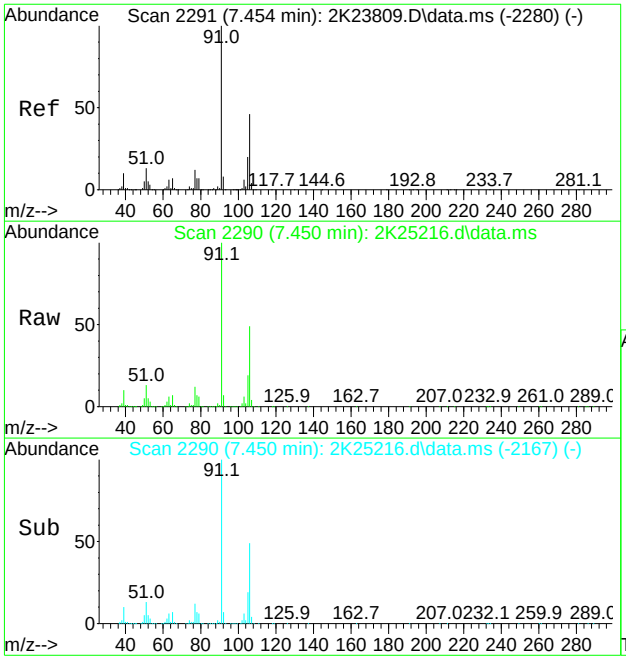


#88
m,p-xylene
Concen: 9.0618 ug/L
RT: 7.196 min Scan# 2211
Delta R.T. -0.007 min
Lab File: 2K25216.d
Acq: 18 Oct 2025 1:18 am

Tgt Ion:106 Resp: 100882

Ion	Ratio	Lower	Upper
106	100		
91	190.6	173.5	233.5
77	20.9	7.0	47.0

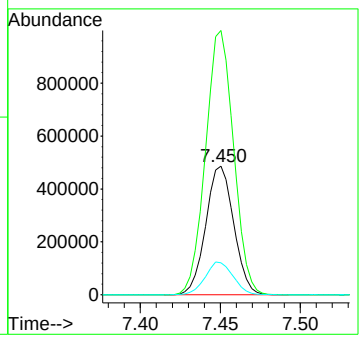


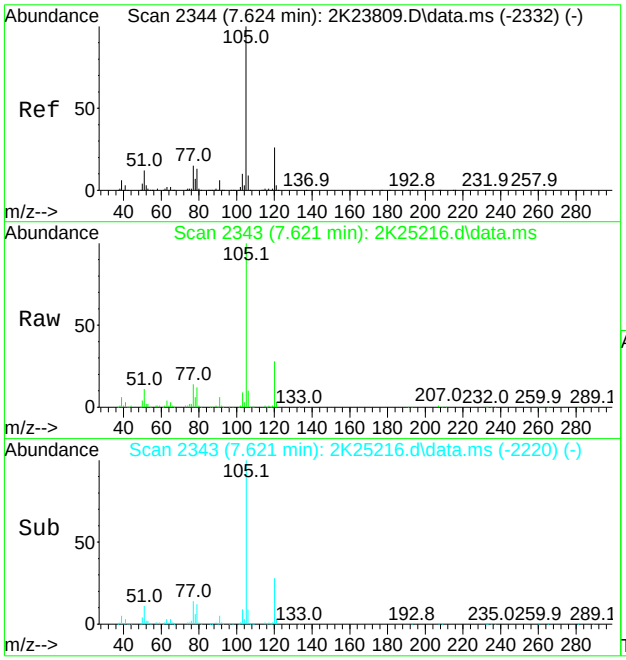


#89
o-xylene
Concen: 54.6692 ug/L
RT: 7.450 min Scan# 2290
Delta R.T. -0.004 min
Lab File: 2K25216.d
Acq: 18 Oct 2025 1:18 am

Tgt Ion:106 Resp: 591967

Ion	Ratio	Lower	Upper
106	100		
91	205.4	186.3	246.3
77	24.8	6.7	46.7

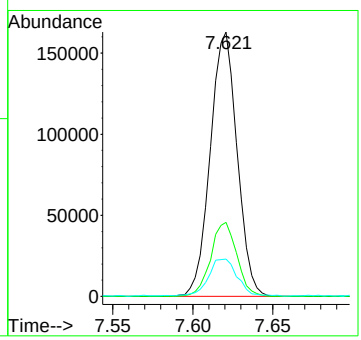


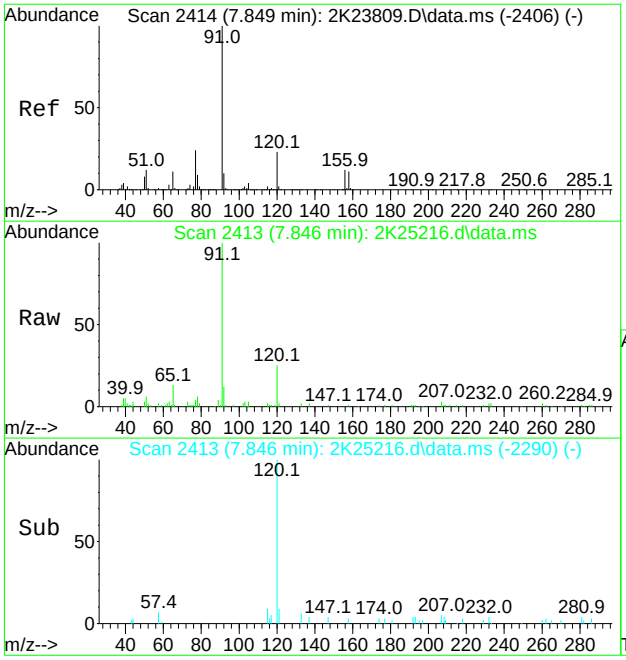


#93
isopropylbenzene
Concen: 7.0673 ug/L
RT: 7.621 min Scan# 2343
Delta R.T. -0.003 min
Lab File: 2K25216.d
Acq: 18 Oct 2025 1:18 am

Tgt Ion:105 Resp: 190237

Ion	Ratio	Lower	Upper
105	100		
120	28.1	6.4	46.4
77	14.0	0.0	35.1

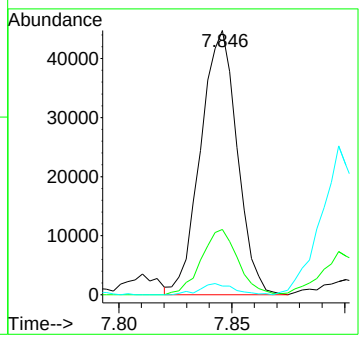


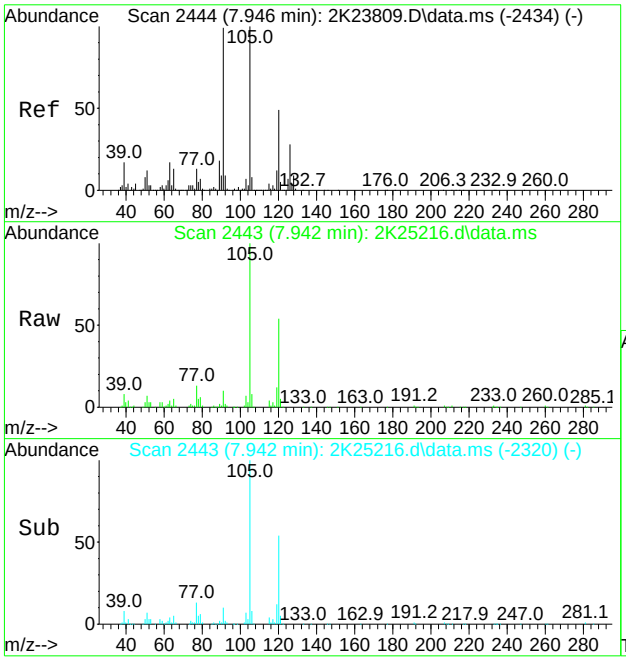


#102
n-propylbenzene
Concen: 1.5578 ug/L
RT: 7.846 min Scan# 2413
Delta R.T. -0.003 min
Lab File: 2K25216.d
Acq: 18 Oct 2025 1:18 am

Tgt Ion: 91 Resp: 50386

Ion	Ratio	Lower	Upper
91	100		
120	24.7	0.0	52.7
105	3.4	0.0	34.0

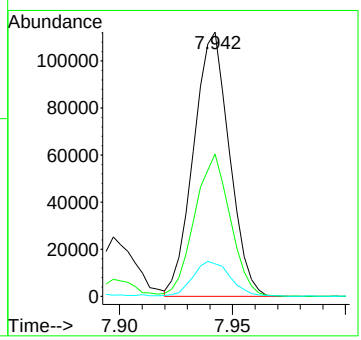


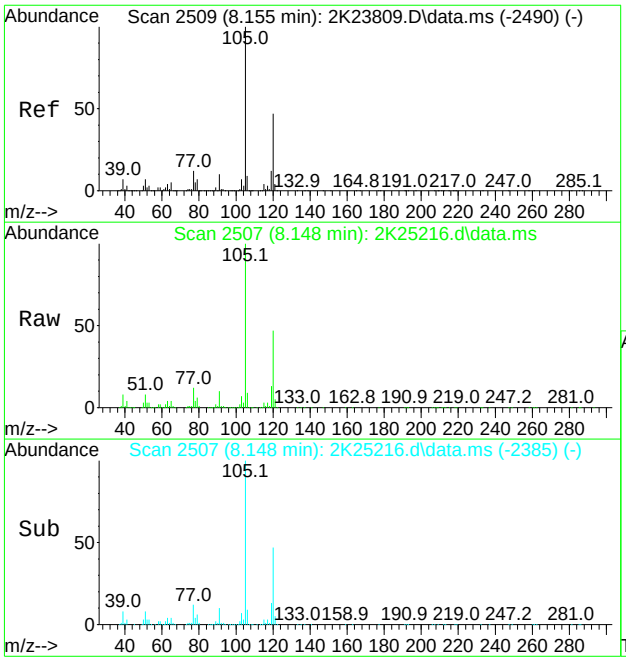


#105
1,3,5-trimethylbenzene
Concen: 5.5900 ug/L
RT: 7.942 min Scan# 2443
Delta R.T. -0.004 min
Lab File: 2K25216.d
Acq: 18 Oct 2025 1:18 am

Tgt Ion:105 Resp: 123517

Ion	Ratio	Lower	Upper
105	100		
120	53.8	19.0	79.0
119	12.3	0.0	42.0

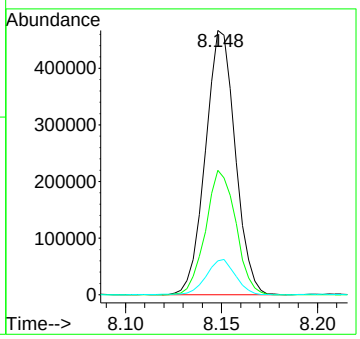


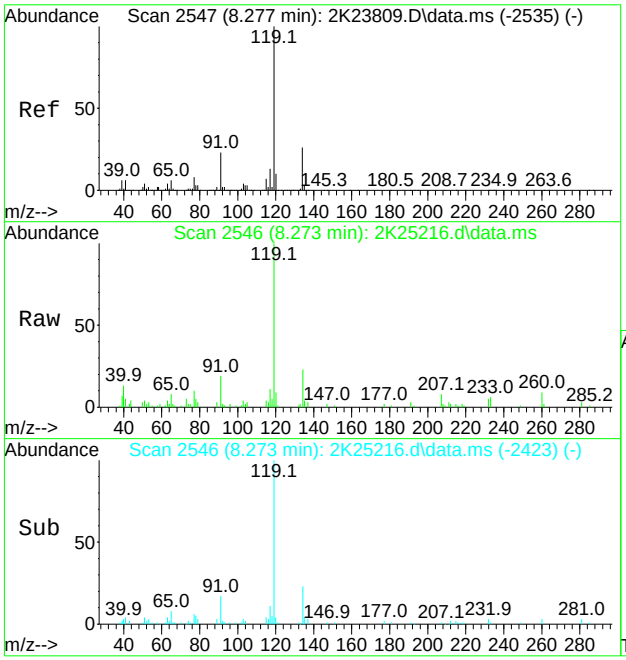


#107
1,2,4-trimethylbenzene
Concen: 23.0082 ug/L
RT: 8.148 min Scan# 2507
Delta R.T. -0.007 min
Lab File: 2K25216.d
Acq: 18 Oct 2025 1:18 am

Tgt Ion:105 Resp: 504793

Ion	Ratio	Lower	Upper
105	100		
120	47.1	16.8	76.8
119	12.8	0.0	42.0

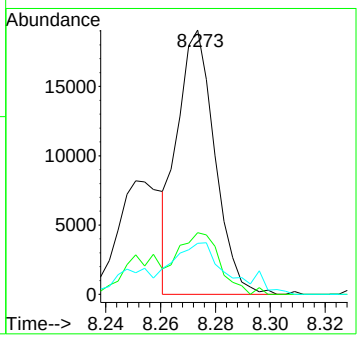


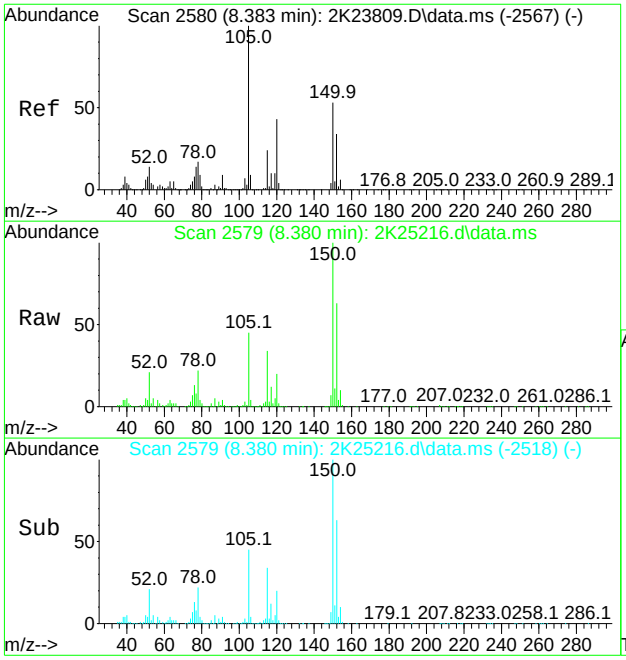


#110
p-isopropyltoluene
Concen: 0.8330 ug/L
RT: 8.273 min Scan# 2546
Delta R.T. -0.004 min
Lab File: 2K25216.d
Acq: 18 Oct 2025 1:18 am

Tgt Ion:119 Resp: 18176

Ion	Ratio	Lower	Upper
119	100		
134	23.4	0.0	56.0
91	18.1	0.0	53.4

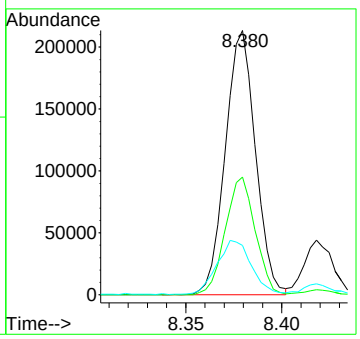


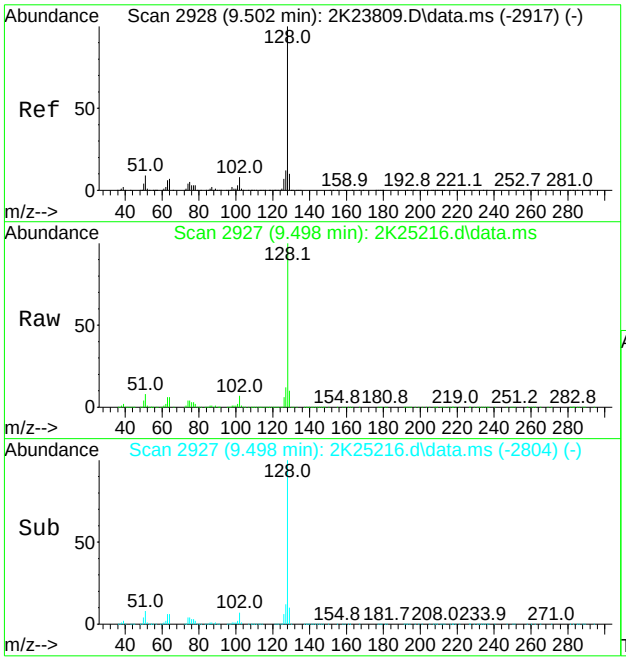


#113
1,2,3-trimethylbenzene
Concen: 10.1944 ug/L
RT: 8.380 min Scan# 2579
Delta R.T. -0.003 min
Lab File: 2K25216.d
Acq: 18 Oct 2025 1:18 am

Tgt Ion:105 Resp: 233431

Ion	Ratio	Lower	Upper
105	100		
120	44.5	13.3	73.3
77	18.3	0.0	43.9

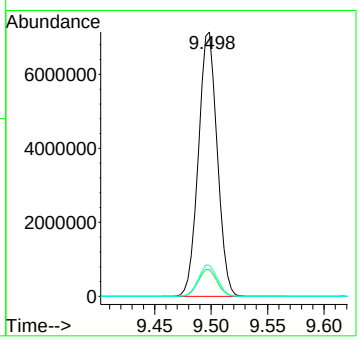


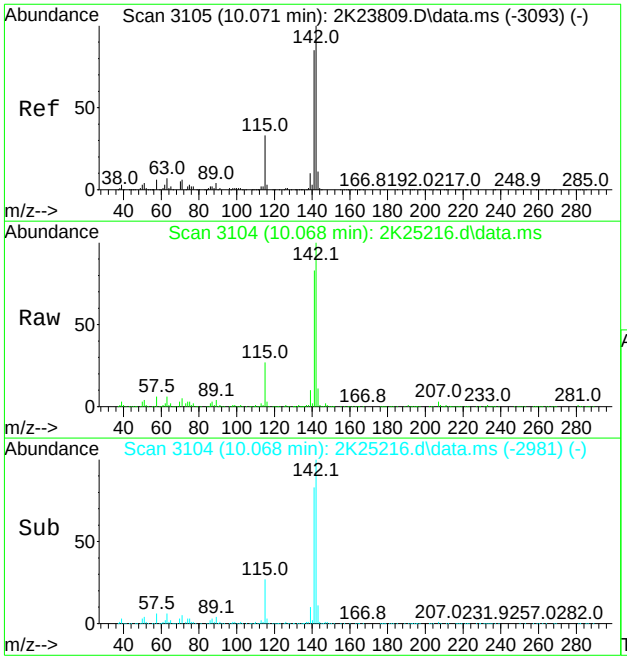


#119
naphthalene
Concen: 368.8895 ug/L
RT: 9.498 min Scan# 2927
Delta R.T. -0.004 min
Lab File: 2K25216.d
Acq: 18 Oct 2025 1:18 am

Tgt Ion:128 Resp: 8240981

Ion	Ratio	Lower	Upper
128	100		
129	10.2	0.0	40.4
127	11.8	0.0	42.1

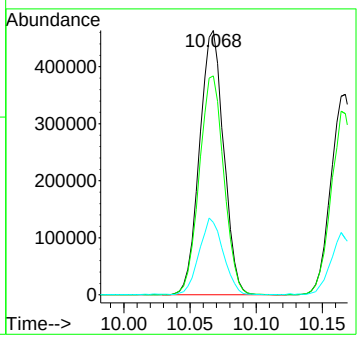




#123
2-methylnaphthalene
Concen: 53.5632 ug/L
RT: 10.068 min Scan# 3104
Delta R.T. -0.003 min
Lab File: 2K25216.d
Acq: 18 Oct 2025 1:18 am

Tgt Ion:142 Resp: 588461

Ion	Ratio	Lower	Upper
142	100		
141	82.7	54.5	114.5
115	27.2	3.3	63.3



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\karoln\10. October\20102025\v2k694\
Data File : 2K25226.d
Acq On : 18 Oct 2025 4:07 am
Operator : EDWARDD
Sample : je20825-3 Inst : GCMSK
Misc : MS98030,V2K694,5,,,,1
ALS Vial : 68 Sample Multiplier: 1

Quant Time: Oct 20 15:40:03 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 13:21:53 2025
Response via : Initial Calibration

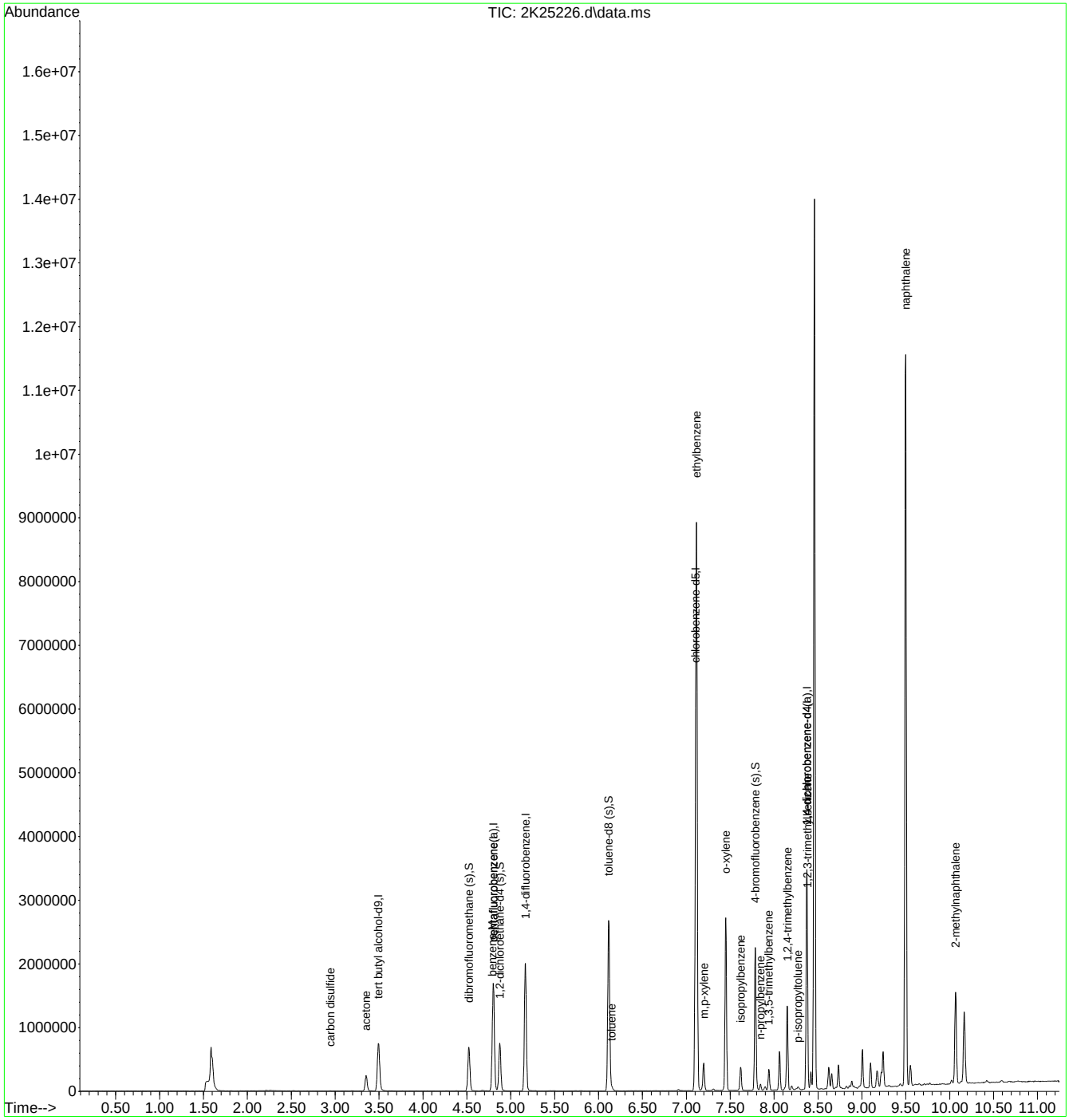
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	3.492	65	774449	500.00	ug/L	-0.01
5) pentafluorobenzene	4.804	168	867987	50.00	ug/L	0.00
50) 1,4-difluorobenzene	5.167	114	1350637	50.00	ug/L	0.00
72) chlorobenzene-d5	7.106	117	1134092	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	8.373	152	573635	50.00	ug/L	0.00
124) pentafluorobenzene(a)	4.804	168	867987	50.00	ug/L	0.00
128) 1,4-dichlorobenzene-d4(a)	8.373	152	573635	50.00	ug/L	0.00
System Monitoring Compounds						
42) dibromofluoromethane (s)	4.524	113	356165	48.11	ug/L	0.00
Spiked Amount 50.000	Range 75 - 127		Recovery = 96.22%			
51) 1,2-dichloroethane-d4 (s)	4.875	65	432519	45.22	ug/L	-0.01
Spiked Amount 50.000	Range 75 - 130		Recovery = 90.44%			
73) toluene-d8 (s)	6.116	98	1520764	48.65	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.30%			
97) 4-bromofluorobenzene (s)	7.785	95	532820	44.25	ug/L	0.00
Spiked Amount 50.000	Range 79 - 127		Recovery = 88.50%			
Target Compounds						Qvalue
18) acetone	3.351	58	83158	63.5503	ug/L	90
21) carbon disulfide	2.946	76	3914	0.2161	ug/L	71
53) benzene	4.791	78	225972	8.8646	ug/L	81
74) toluene	6.148	92	17060	1.0459	ug/L #	82
87) ethylbenzene	7.116	91	4081498	130.8196	ug/L	87
88) m,p-xylene	7.199	106	90790	7.9357	ug/L	97
89) o-xylene	7.450	106	557460	50.0964	ug/L	93
93) isopropylbenzene	7.621	105	179636	6.4938	ug/L	97
102) n-propylbenzene	7.842	91	50442	1.4957	ug/L	99
105) 1,3,5-trimethylbenzene	7.939	105	124729	5.4137	ug/L	93
107) 1,2,4-trimethylbenzene	8.151	105	496720	21.7131	ug/L	98
110) p-isopropyltoluene	8.270	119	16938	0.7445	ug/L	94
113) 1,2,3-trimethylbenzene	8.379	105	228039	9.5511	ug/L	97
119) naphthalene	9.498	128	6684146	286.9491	ug/L	99
123) 2-methylnaphthalene	10.067	142	577443	50.4080	ug/L	97

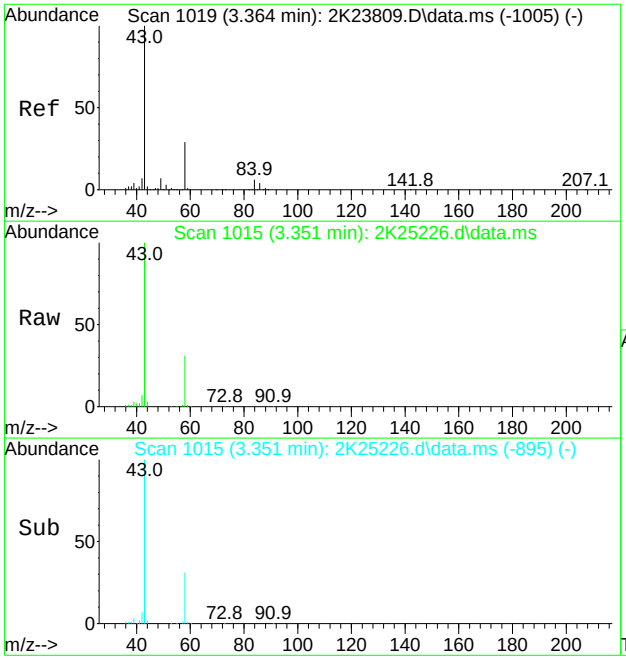
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\karoln\10. October\20102025\v2k694\
Data File : 2K25226.d
Acq On : 18 Oct 2025 4:07 am
Operator : EDWARDD
Sample : je20825-3 Inst : GCMSK
Misc : MS98030,V2K694,5,,,,1
ALS Vial : 68 Sample Multiplier: 1

Quant Time: Oct 20 15:40:03 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 13:21:53 2025
Response via : Initial Calibration

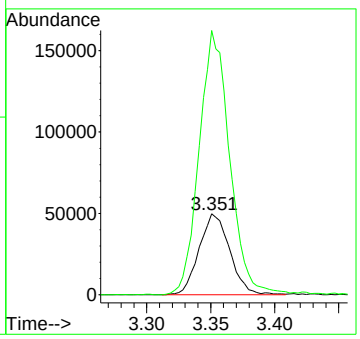


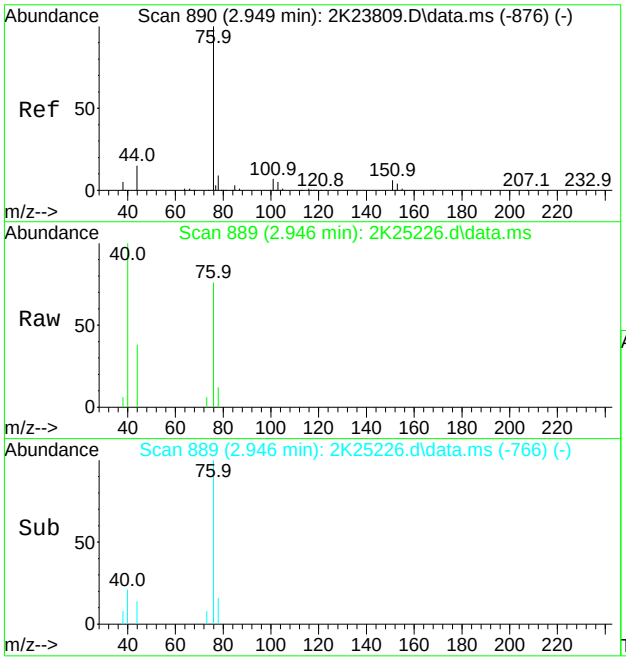


#18
acetone
Concen: 63.5503 ug/L
RT: 3.351 min Scan# 1015
Delta R.T. -0.013 min
Lab File: 2K25226.d
Acq: 18 Oct 2025 4:07 am

Tgt Ion: 58 Resp: 83158

Ion	Ratio	Lower	Upper
58	100		
43	326.0	317.9	377.9

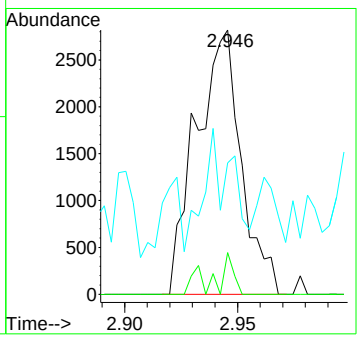


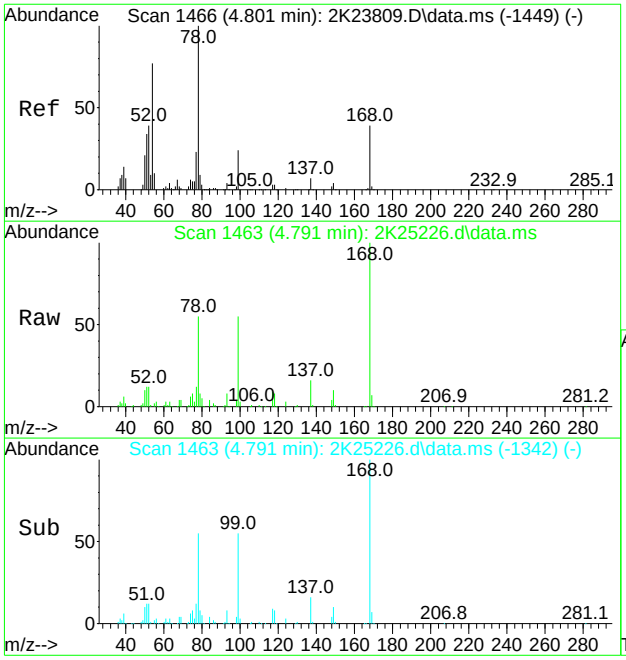


#21
carbon disulfide
Concen: 0.2161 ug/L
RT: 2.946 min Scan# 889
Delta R.T. -0.003 min
Lab File: 2K25226.d
Acq: 18 Oct 2025 4:07 am

Tgt Ion: 76 Resp: 3914

Ion	Ratio	Lower	Upper
76	100		
78	15.8	0.0	39.4
44	30.1	0.0	44.9

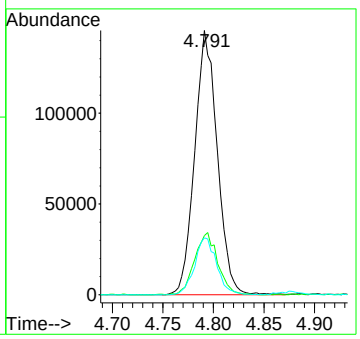


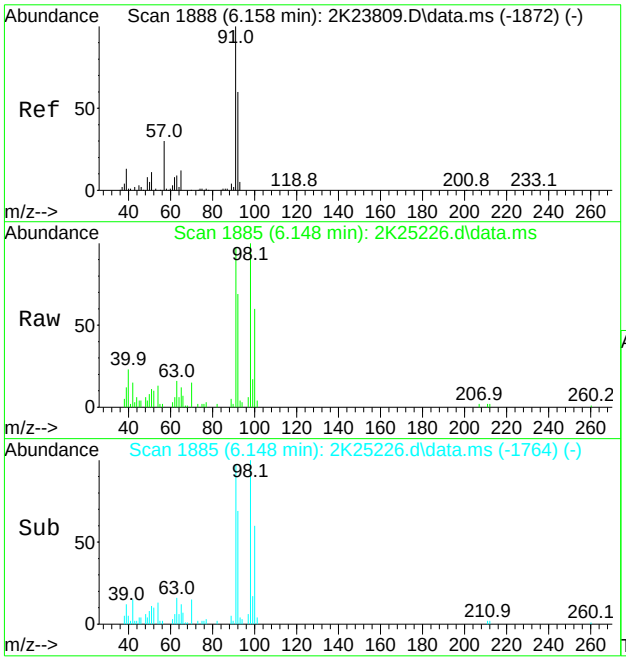


#53
benzene
Concen: 8.8646 ug/L
RT: 4.791 min Scan# 1463
Delta R.T. -0.010 min
Lab File: 2K25226.d
Acq: 18 Oct 2025 4:07 am

Tgt Ion: 78 Resp: 225972

Ion	Ratio	Lower	Upper
78	100		
77	22.4	0.0	53.5
52	21.6	8.9	68.9

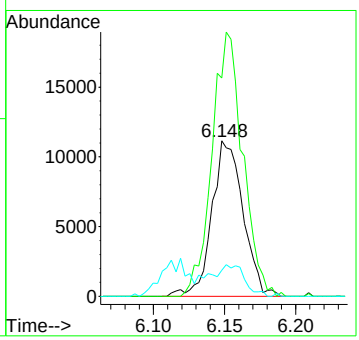


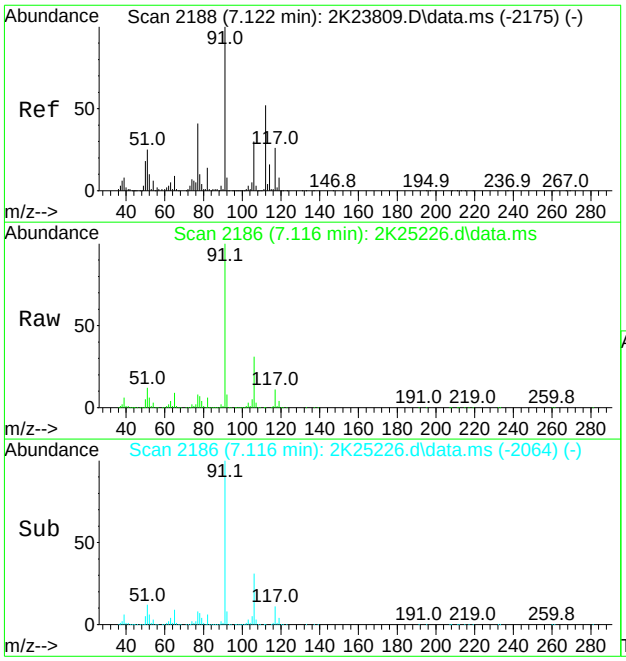


#74
toluene
Concen: 1.0459 ug/L
RT: 6.148 min Scan# 1885
Delta R.T. -0.010 min
Lab File: 2K25226.d
Acq: 18 Oct 2025 4:07 am

Tgt Ion: 92 Resp: 17060

Ion	Ratio	Lower	Upper
92	100		
91	140.3	145.9	185.9#
65	16.9	0.5	40.5

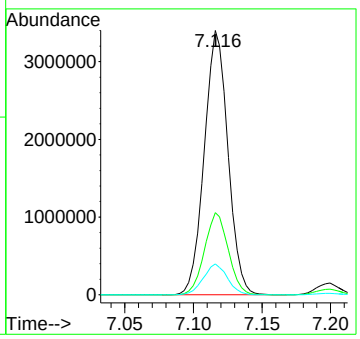


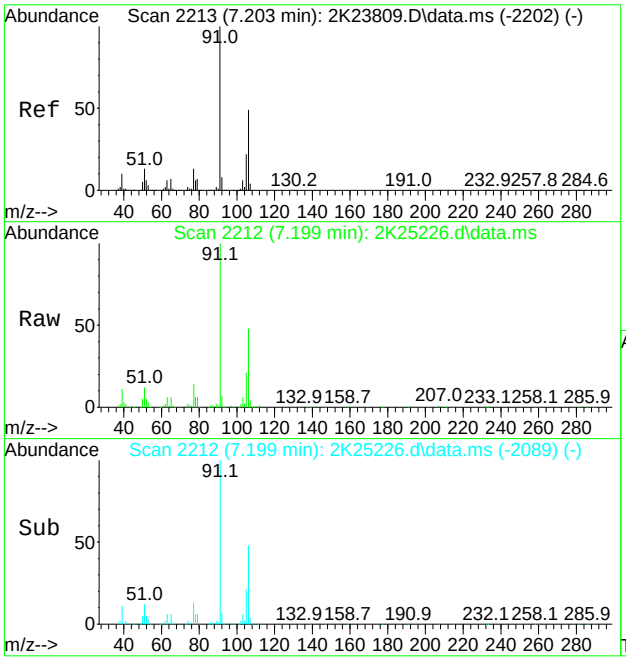


#87
ethylbenzene
Concen: 130.8196 ug/L
RT: 7.116 min Scan# 2186
Delta R.T. -0.006 min
Lab File: 2K25226.d
Acq: 18 Oct 2025 4:07 am

Tgt Ion: 91 Resp: 4081498

Ion	Ratio	Lower	Upper
91	100		
106	31.1	0.3	60.3
51	11.7	0.0	55.4

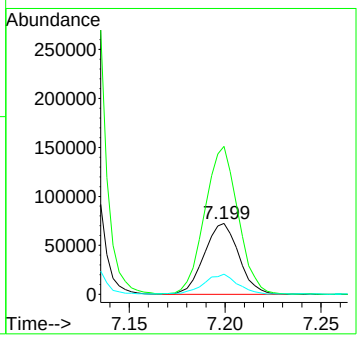


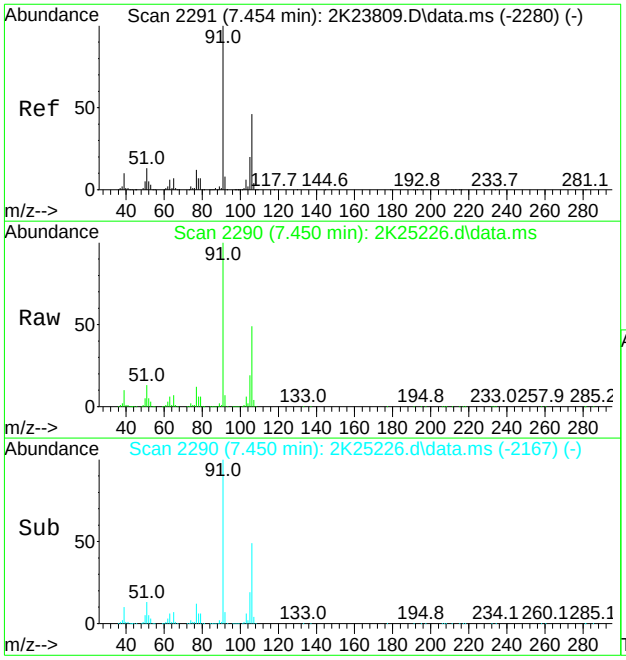


#88
m,p-xylene
Concen: 7.9357 ug/L
RT: 7.199 min Scan# 2212
Delta R.T. -0.004 min
Lab File: 2K25226.d
Acq: 18 Oct 2025 4:07 am

Tgt Ion:106 Resp: 90790

Ion	Ratio	Lower	Upper
106	100		
91	207.9	173.5	233.5
77	27.9	7.0	47.0

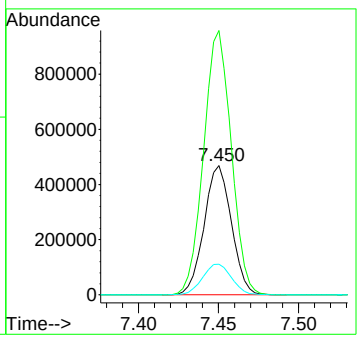


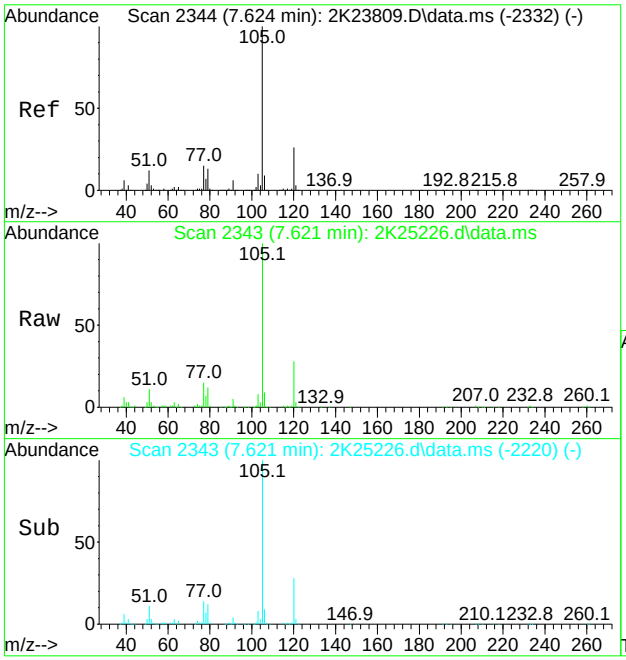


#89
o-xylene
Concen: 50.0964 ug/L
RT: 7.450 min Scan# 2290
Delta R.T. -0.004 min
Lab File: 2K25226.d
Acq: 18 Oct 2025 4:07 am

Tgt Ion:106 Resp: 557460

Ion	Ratio	Lower	Upper
106	100		
91	204.6	186.3	246.3
77	23.6	6.7	46.7

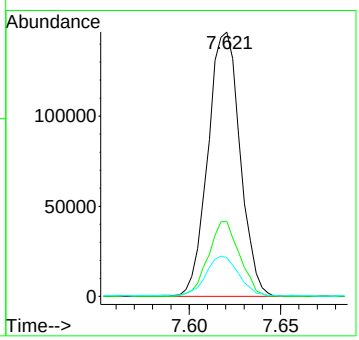


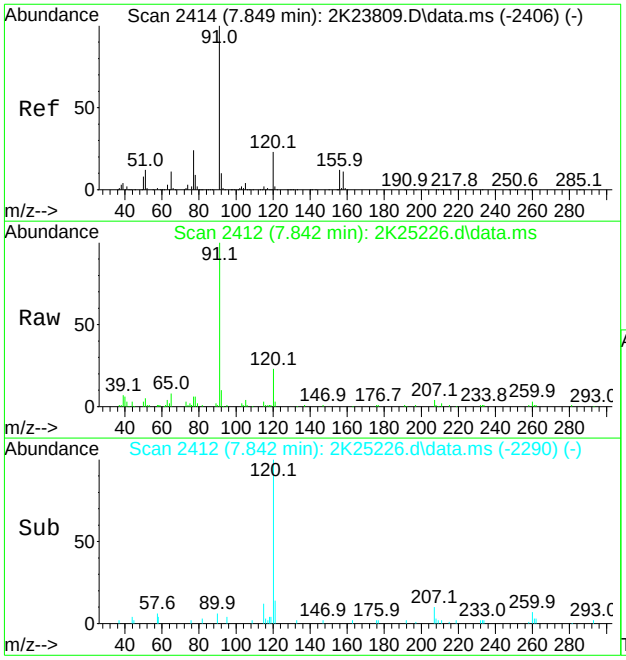


#93
isopropylbenzene
Concen: 6.4938 ug/L
RT: 7.621 min Scan# 2343
Delta R.T. -0.003 min
Lab File: 2K25226.d
Acq: 18 Oct 2025 4:07 am

Tgt Ion:105 Resp: 179636

Ion	Ratio	Lower	Upper
105	100		
120	28.4	6.4	46.4
77	14.4	0.0	35.1

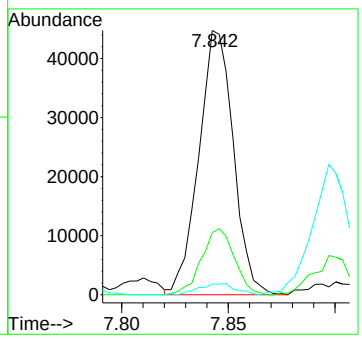


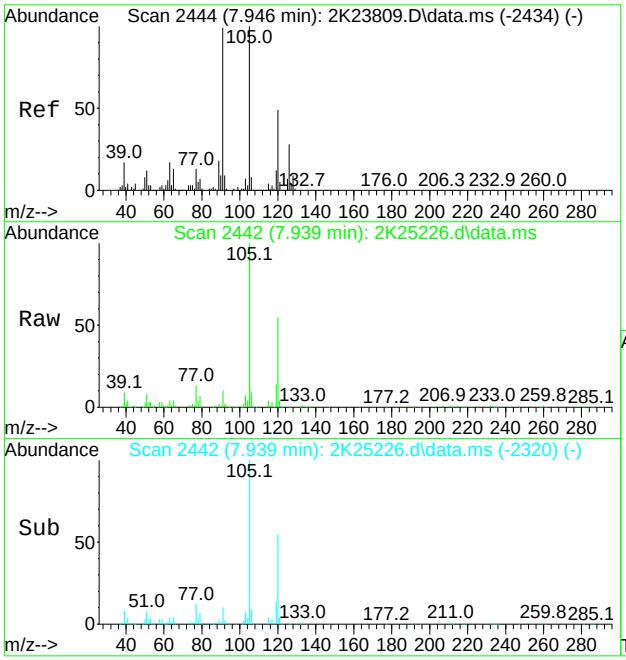


#102
n-propylbenzene
Concen: 1.4957 ug/L
RT: 7.842 min Scan# 2412
Delta R.T. -0.007 min
Lab File: 2K25226.d
Acq: 18 Oct 2025 4:07 am

Tgt Ion: 91 Resp: 50442

Ion	Ratio	Lower	Upper
91	100		
120	23.5	0.0	52.7
105	4.0	0.0	34.0

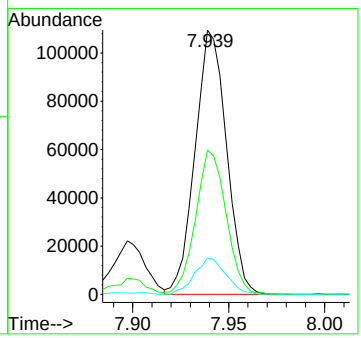


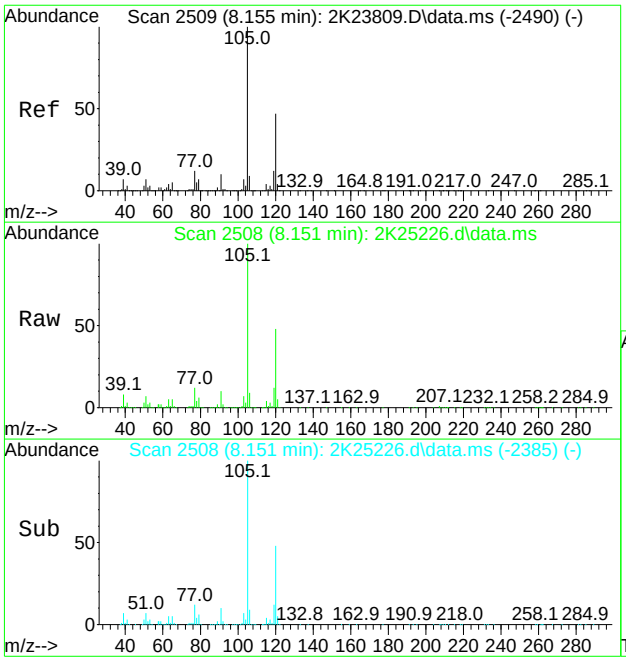


#105
1,3,5-trimethylbenzene
Concen: 5.4137 ug/L
RT: 7.939 min Scan# 2442
Delta R.T. -0.007 min
Lab File: 2K25226.d
Acq: 18 Oct 2025 4:07 am

Tgt Ion:105 Resp: 124729

Ion	Ratio	Lower	Upper
105	100		
120	54.6	19.0	79.0
119	13.6	0.0	42.0

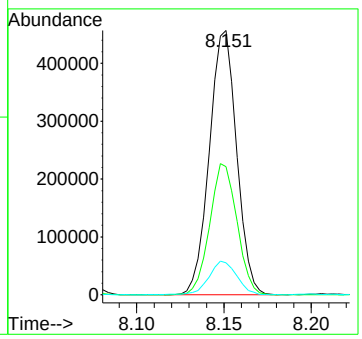


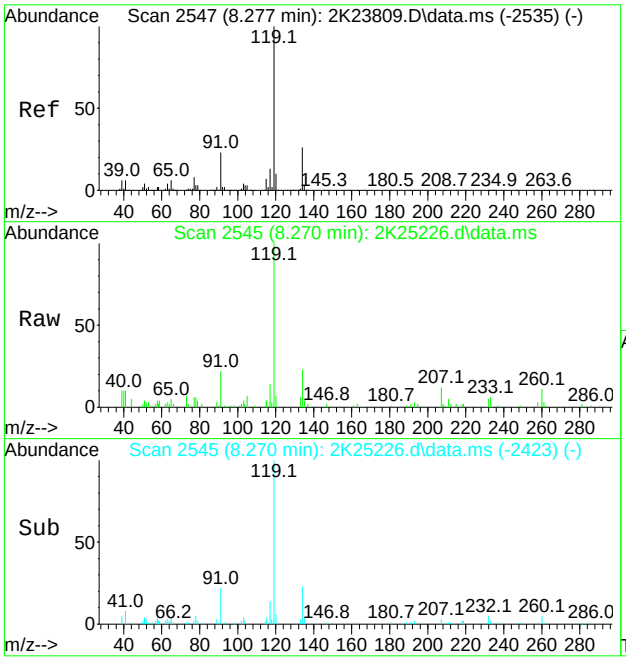


#107
1,2,4-trimethylbenzene
Concen: 21.7131 ug/L
RT: 8.151 min Scan# 2508
Delta R.T. -0.004 min
Lab File: 2K25226.d
Acq: 18 Oct 2025 4:07 am

Tgt Ion:105 Resp: 496720

Ion	Ratio	Lower	Upper
105	100		
120	48.5	16.8	76.8
119	12.0	0.0	42.0

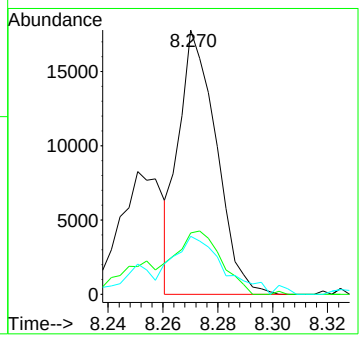


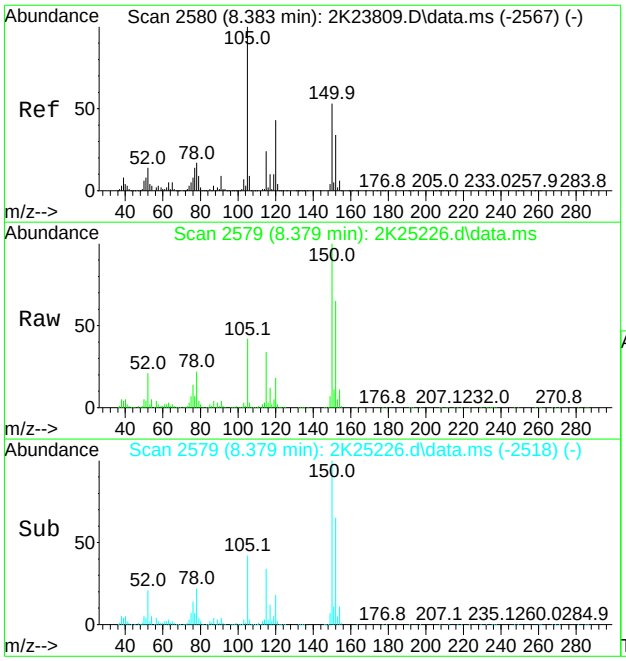


#110
p-isopropyltoluene
Concen: 0.7445 ug/L
RT: 8.270 min Scan# 2545
Delta R.T. -0.007 min
Lab File: 2K25226.d
Acq: 18 Oct 2025 4:07 am

Tgt Ion:119 Resp: 16938

Ion	Ratio	Lower	Upper
119	100		
134	23.3	0.0	56.0
91	19.8	0.0	53.4

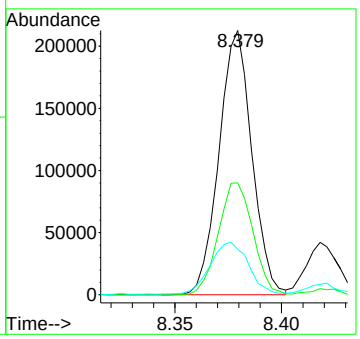


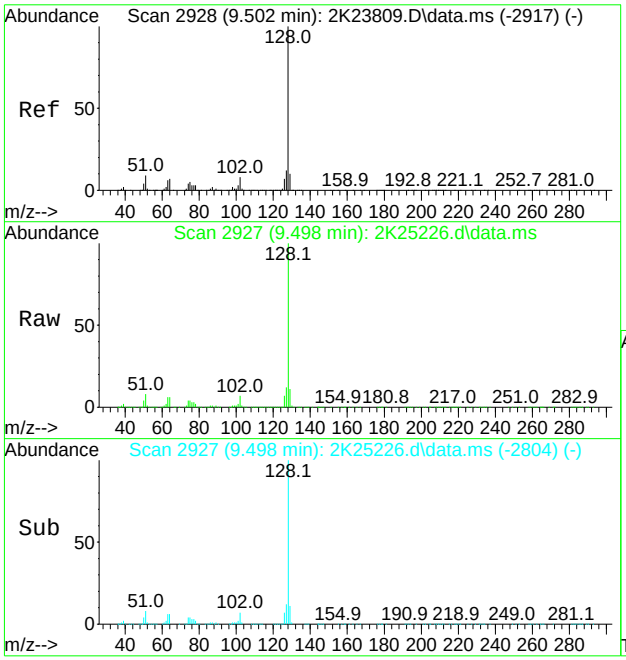


#113
1,2,3-trimethylbenzene
Concen: 9.5511 ug/L
RT: 8.379 min Scan# 2579
Delta R.T. -0.004 min
Lab File: 2K25226.d
Acq: 18 Oct 2025 4:07 am

Tgt Ion:105 Resp: 228039

Ion	Ratio	Lower	Upper
105	100		
120	42.3	13.3	73.3
77	16.9	0.0	43.9

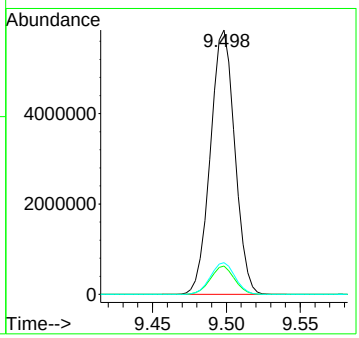


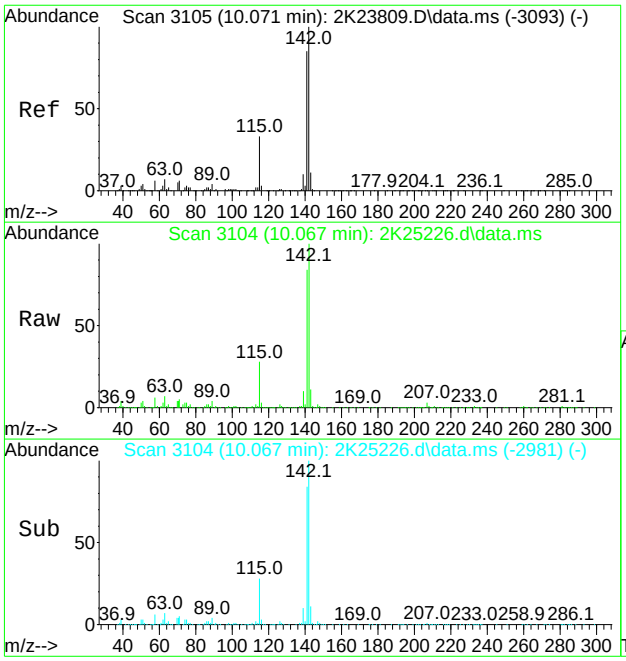


#119
naphthalene
Concen: 286.9491 ug/L
RT: 9.498 min Scan# 2927
Delta R.T. -0.004 min
Lab File: 2K25226.d
Acq: 18 Oct 2025 4:07 am

Tgt Ion:128 Resp: 6684146

Ion	Ratio	Lower	Upper
128	100		
129	10.7	0.0	40.4
127	12.0	0.0	42.1

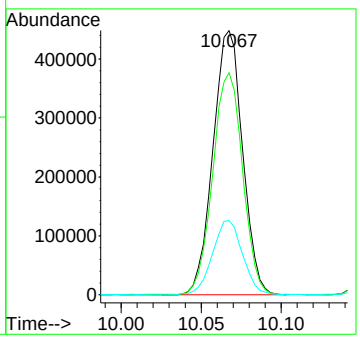




#123
2-methylnaphthalene
Concen: 50.4080 ug/L
RT: 10.067 min Scan# 3104
Delta R.T. -0.004 min
Lab File: 2K25226.d
Acq: 18 Oct 2025 4:07 am

Tgt Ion:142 Resp: 577443

Ion	Ratio	Lower	Upper
142	100		
141	84.1	54.5	114.5
115	28.0	3.3	63.3



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\karoln\10. October\20102025\v2k694\
Data File : 2K25228.d
Acq On : 18 Oct 2025 4:41 am
Operator : EDWARDD
Sample : je20825-4 Inst : GCMSK
Misc : MS98030,V2K694,5,,,,1
ALS Vial : 70 Sample Multiplier: 1

Quant Time: Oct 20 15:41:16 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 13:21:53 2025
Response via : Initial Calibration

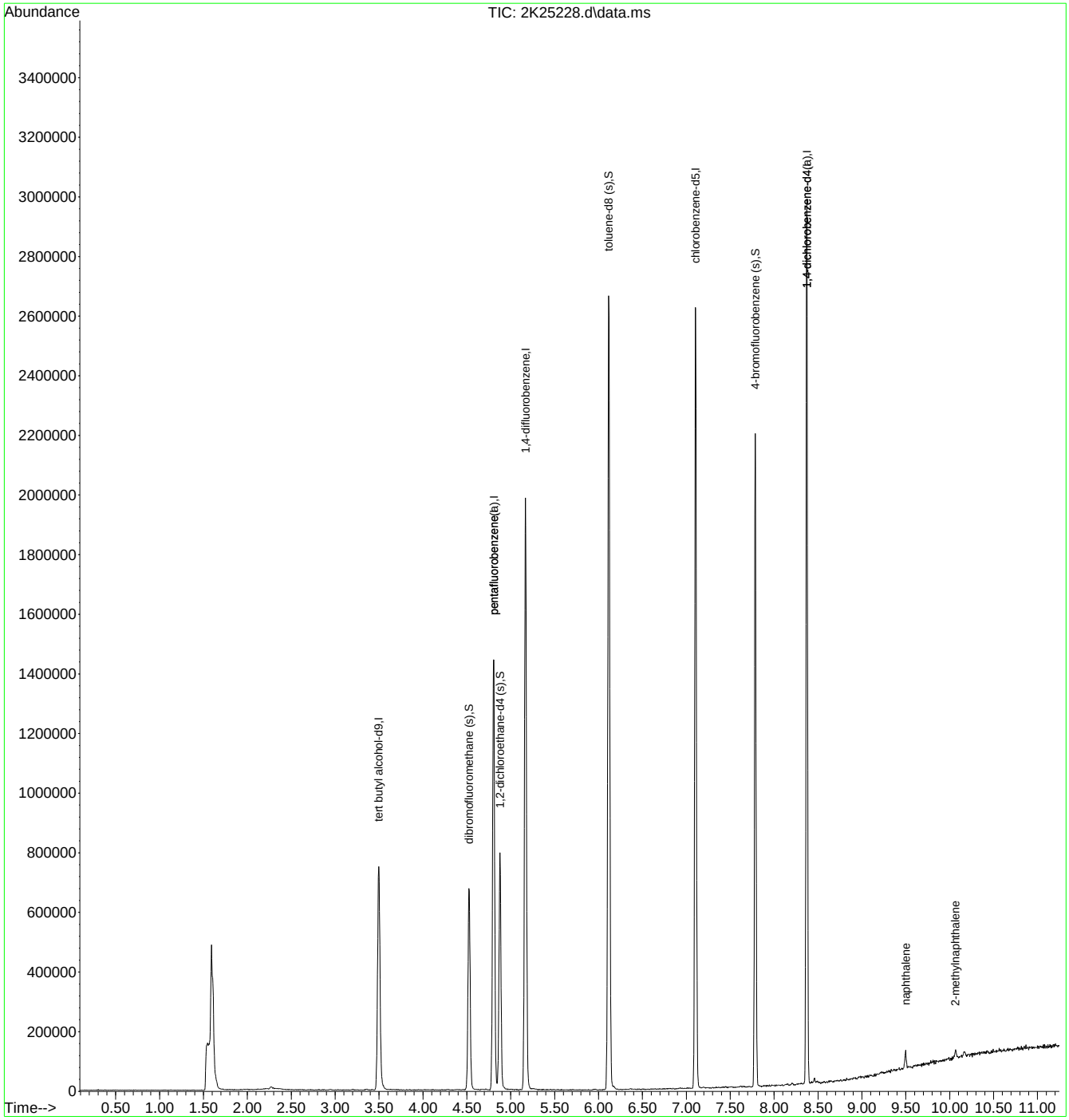
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	3.495	65	786325	500.00	ug/L	0.00
5) pentafluorobenzene	4.807	168	853260	50.00	ug/L	0.00
50) 1,4-difluorobenzene	5.167	114	1327429	50.00	ug/L	0.00
72) chlorobenzene-d5	7.106	117	1111809	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	8.373	152	549416	50.00	ug/L	0.00
124) pentafluorobenzene(a)	4.807	168	853260	50.00	ug/L	0.00
128) 1,4-dichlorobenzene-d4(a)	8.373	152	549416	50.00	ug/L	0.00
System Monitoring Compounds						
42) dibromofluoromethane (s)	4.524	113	355222	48.81	ug/L	0.00
Spiked Amount 50.000	Range 75 - 127		Recovery = 97.62%			
51) 1,2-dichloroethane-d4 (s)	4.878	65	435648	46.34	ug/L	0.00
Spiked Amount 50.000	Range 75 - 130		Recovery = 92.68%			
73) toluene-d8 (s)	6.116	98	1494155	48.76	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.52%			
97) 4-bromofluorobenzene (s)	7.785	95	514594	44.62	ug/L	0.00
Spiked Amount 50.000	Range 79 - 127		Recovery = 89.24%			
Target Compounds						Qvalue
119) naphthalene	9.498	128	29266	1.3118	ug/L	92
123) 2-methylnaphthalene	10.064	142	8918	0.8128	ug/L	95

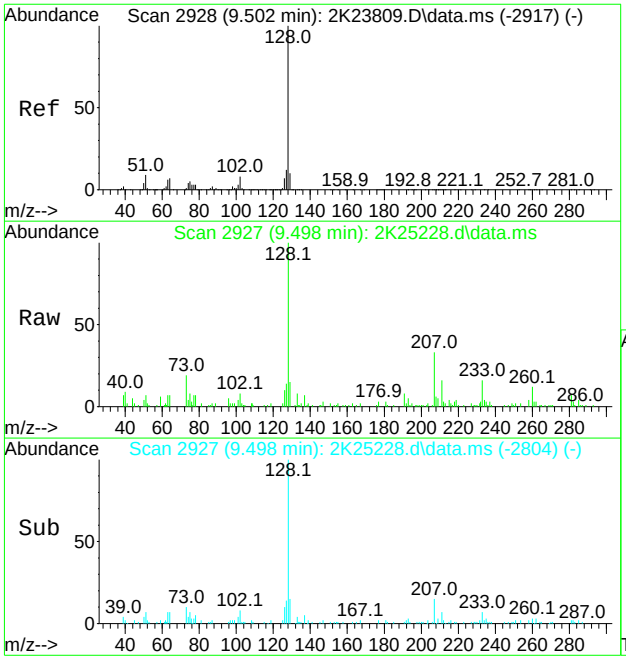
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\karoln\10. October\20102025\v2k694\
Data File : 2K25228.d
Acq On : 18 Oct 2025 4:41 am
Operator : EDWARDD
Sample : je20825-4 Inst : GCMSK
Misc : MS98030,V2K694,5,,,,1
ALS Vial : 70 Sample Multiplier: 1

Quant Time: Oct 20 15:41:16 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 13:21:53 2025
Response via : Initial Calibration

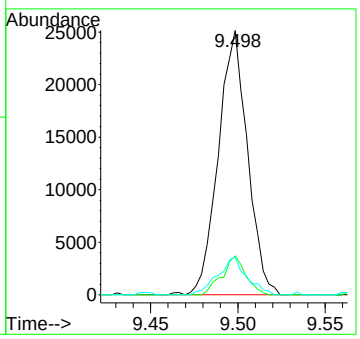


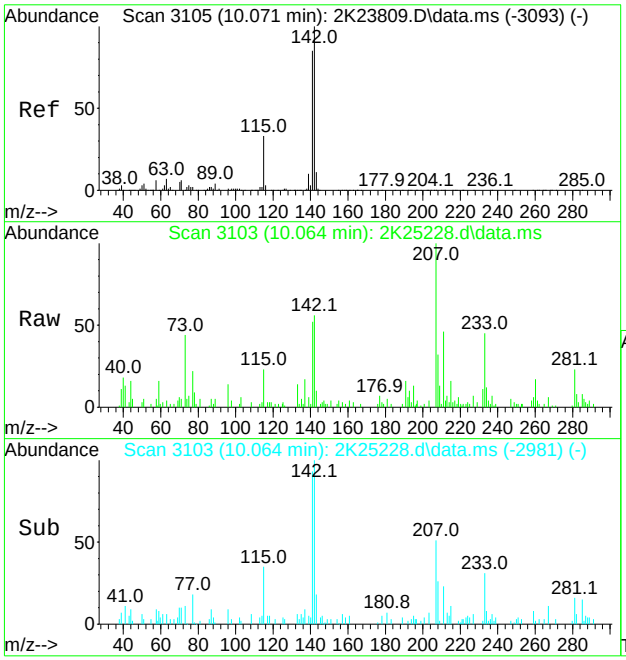


#119
naphthalene
Concen: 1.3118 ug/L
RT: 9.498 min Scan# 2927
Delta R.T. -0.004 min
Lab File: 2K25228.d
Acq: 18 Oct 2025 4:41 am

Tgt Ion:128 Resp: 29266

Ion	Ratio	Lower	Upper
128	100		
129	14.7	0.0	40.4
127	14.4	0.0	42.1

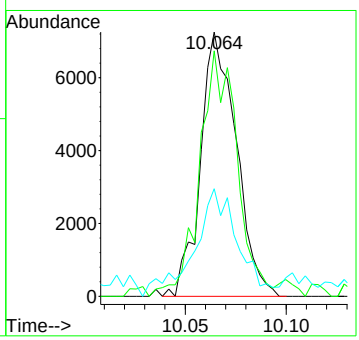




#123
2-methylnaphthalene
Concen: 0.8128 ug/L
RT: 10.064 min Scan# 3103
Delta R.T. -0.007 min
Lab File: 2K25228.d
Acq: 18 Oct 2025 4:41 am

Tgt Ion:142 Resp: 8918

Ion	Ratio	Lower	Upper
142	100		
141	89.6	54.5	114.5
115	35.9	3.3	63.3



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\karoln\10. October\20102025\v2k694\
Data File : 2K25230.d
Acq On : 18 Oct 2025 5:14 am
Operator : EDWARDD
Sample : je20825-5 Inst : GCMSK
Misc : MS98030,V2K694,5,,,,1
ALS Vial : 72 Sample Multiplier: 1

Quant Time: Oct 20 15:48:00 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 13:21:53 2025
Response via : Initial Calibration

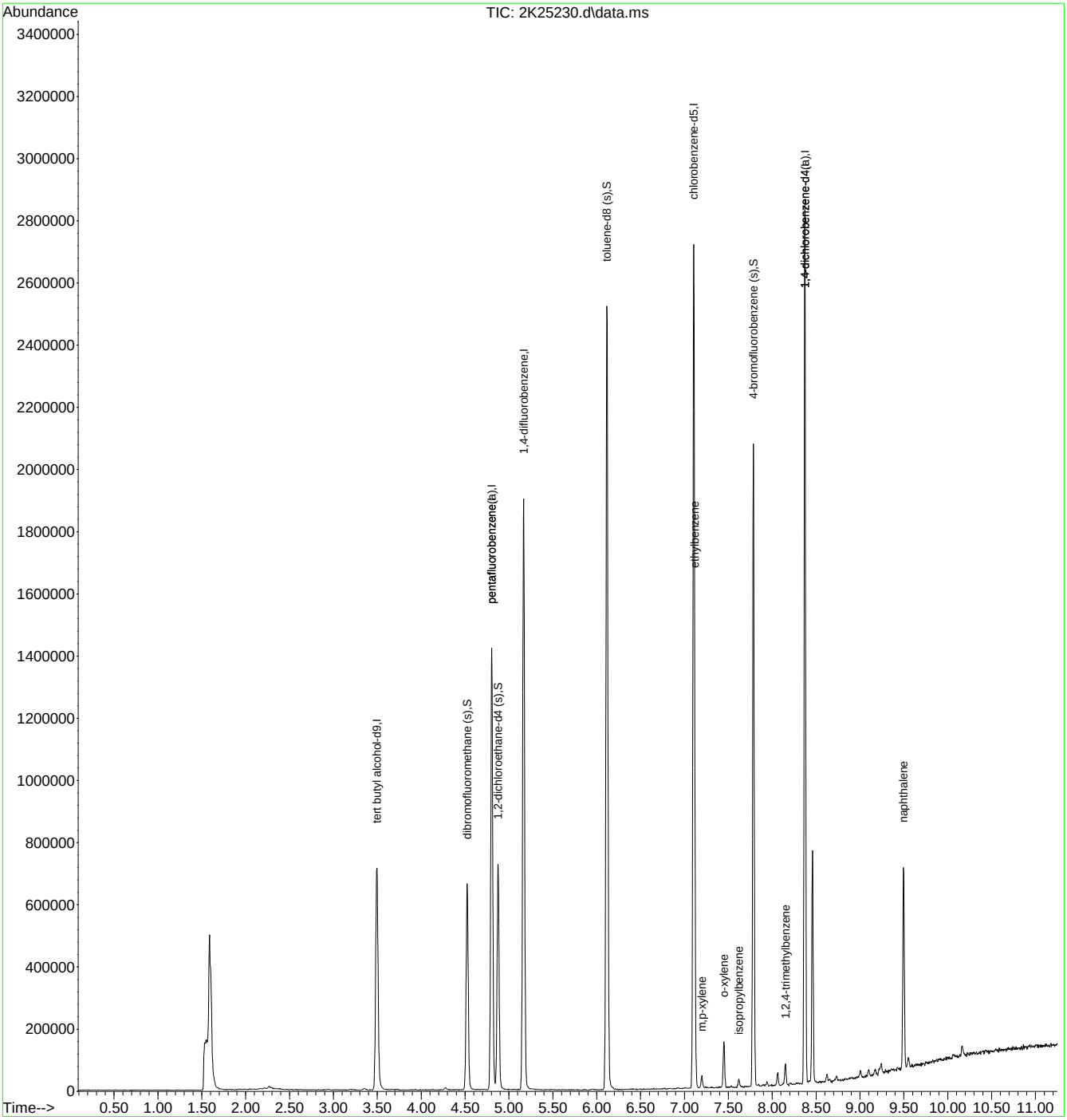
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	3.495	65	745918	500.00	ug/L	0.00
5) pentafluorobenzene	4.804	168	819402	50.00	ug/L	0.00
50) 1,4-difluorobenzene	5.167	114	1258439	50.00	ug/L	0.00
72) chlorobenzene-d5	7.106	117	1050777	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	8.373	152	525042	50.00	ug/L	0.00
124) pentafluorobenzene(a)	4.804	168	819402	50.00	ug/L	0.00
128) 1,4-dichlorobenzene-d4(a)	8.373	152	525042	50.00	ug/L	0.00
System Monitoring Compounds						
42) dibromofluoromethane (s)	4.524	113	336497	48.15	ug/L	0.00
Spiked Amount 50.000	Range 75 - 127		Recovery = 96.30%			
51) 1,2-dichloroethane-d4 (s)	4.875	65	417001	46.79	ug/L	-0.01
Spiked Amount 50.000	Range 75 - 130		Recovery = 93.58%			
73) toluene-d8 (s)	6.116	98	1413040	48.79	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.58%			
97) 4-bromofluorobenzene (s)	7.785	95	491653	44.61	ug/L	0.00
Spiked Amount 50.000	Range 79 - 127		Recovery = 89.22%			
Target Compounds						Qvalue
87) ethylbenzene	7.116	91	244903	8.4720	ug/L	88
88) m,p-xylene	7.196	106	7734	0.7296	ug/L	82
89) o-xylene	7.450	106	30597	2.9676	ug/L	90
93) isopropylbenzene	7.621	105	11319	0.4416	ug/L	91
107) 1,2,4-trimethylbenzene	8.151	105	26842	1.2819	ug/L	97
119) naphthalene	9.495	128	371547	17.4267	ug/L	99

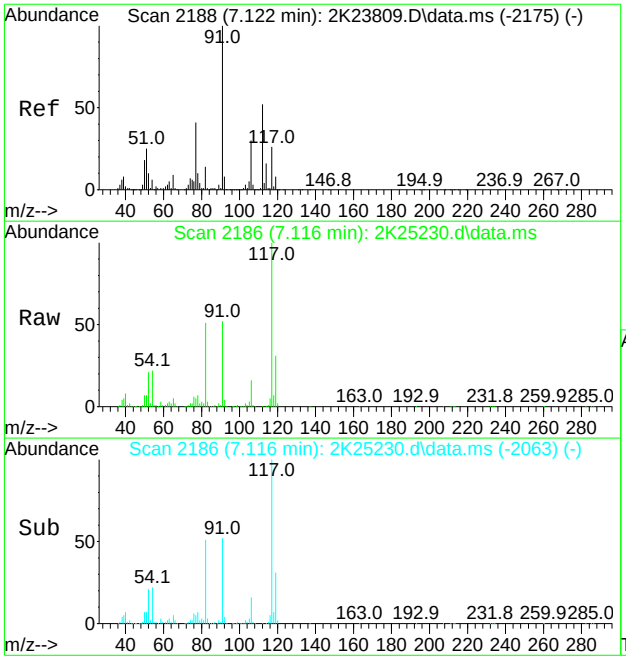
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\karoln\10. October\20102025\v2k694\
Data File : 2K25230.d
Acq On : 18 Oct 2025 5:14 am
Operator : EDWARDD
Sample : je20825-5 Inst : GCMSK
Misc : MS98030,V2K694,5,,,,1
ALS Vial : 72 Sample Multiplier: 1

Quant Time: Oct 20 15:48:00 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 13:21:53 2025
Response via : Initial Calibration

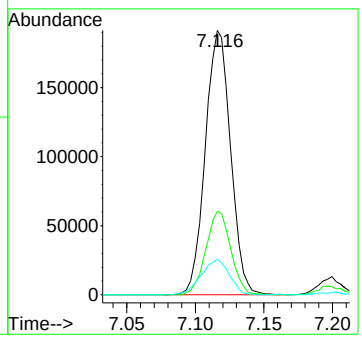


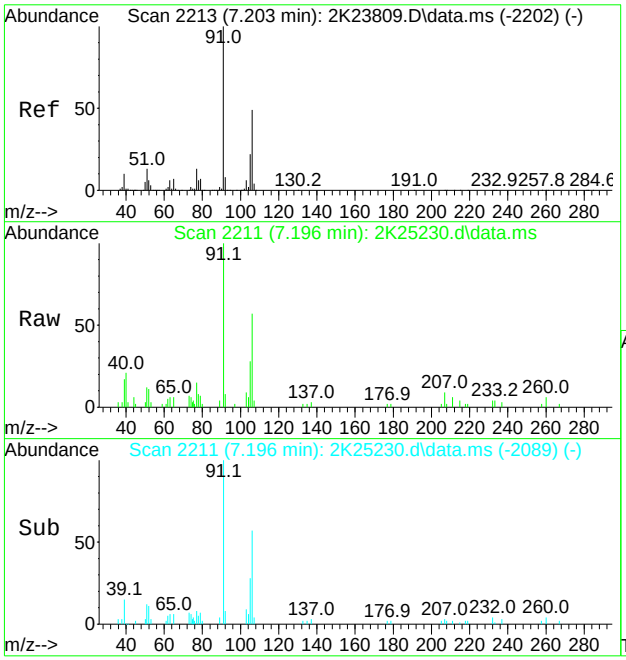


#87
ethylbenzene
Concen: 8.4720 ug/L
RT: 7.116 min Scan# 2186
Delta R.T. -0.006 min
Lab File: 2K25230.d
Acq: 18 Oct 2025 5:14 am

Tgt Ion: 91 Resp: 244903

Ion	Ratio	Lower	Upper
91	100		
106	31.6	0.3	60.3
51	13.5	0.0	55.4

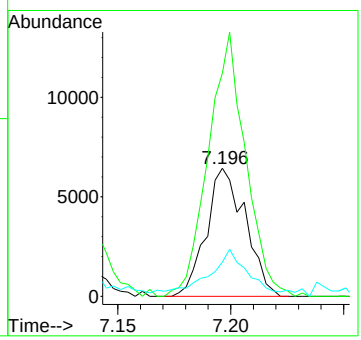


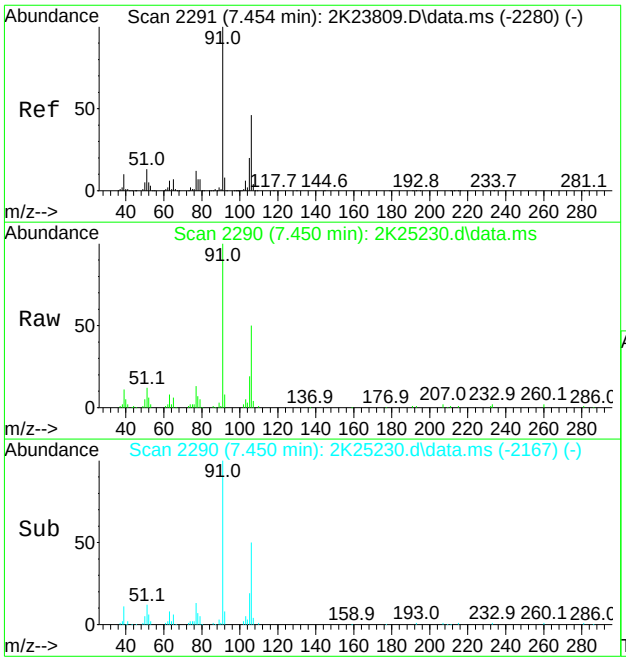


#88
m,p-xylene
Concen: 0.7296 ug/L
RT: 7.196 min Scan# 2211
Delta R.T. -0.007 min
Lab File: 2K25230.d
Acq: 18 Oct 2025 5:14 am

Tgt Ion:106 Resp: 7734

Ion	Ratio	Lower	Upper
106	100		
91	174.1	173.5	233.5
77	22.7	7.0	47.0

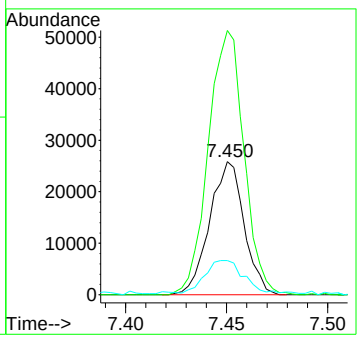


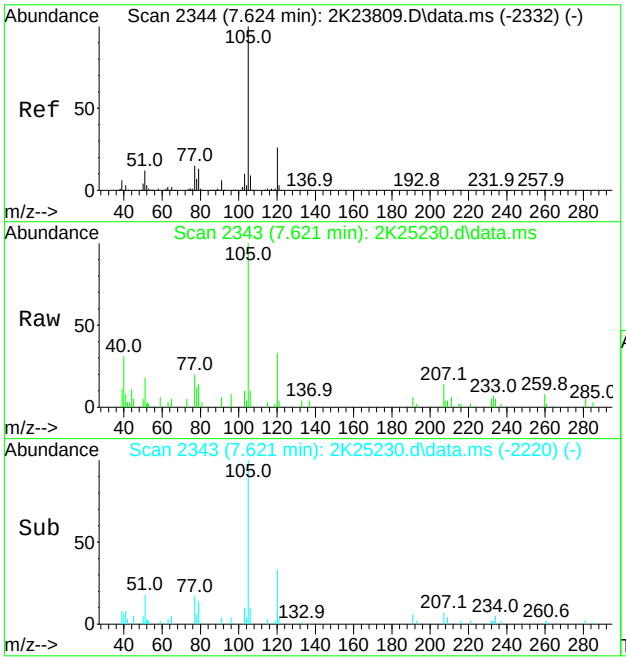


#89
o-xylene
Concen: 2.9676 ug/L
RT: 7.450 min Scan# 2290
Delta R.T. -0.004 min
Lab File: 2K25230.d
Acq: 18 Oct 2025 5:14 am

Tgt Ion:106 Resp: 30597

Ion	Ratio	Lower	Upper
106	100		
91	198.7	186.3	246.3
77	23.6	6.7	46.7

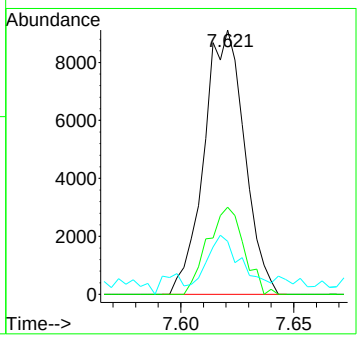


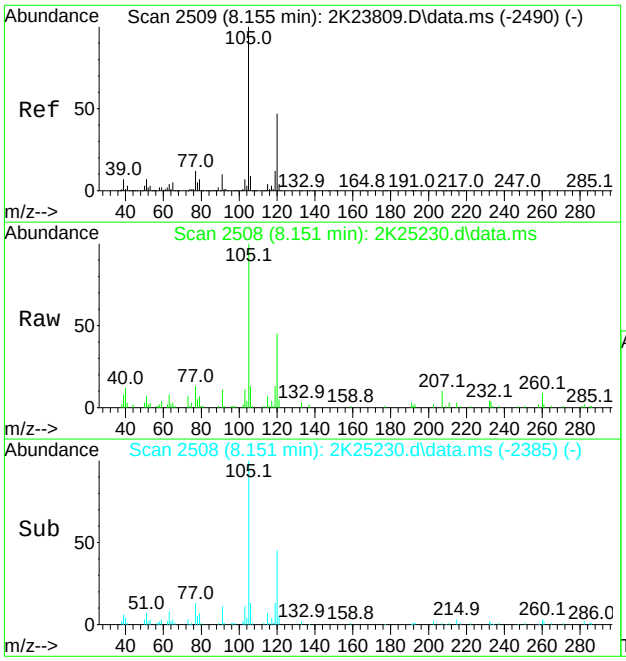


#93
isopropylbenzene
Concen: 0.4416 ug/L
RT: 7.621 min Scan# 2343
Delta R.T. -0.003 min
Lab File: 2K25230.d
Acq: 18 Oct 2025 5:14 am

Tgt Ion:105 Resp: 11319

Ion	Ratio	Lower	Upper
105	100		
120	33.0	6.4	46.4
77	14.4	0.0	35.1

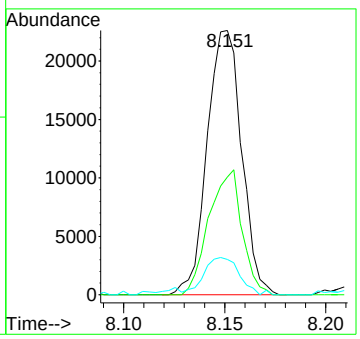


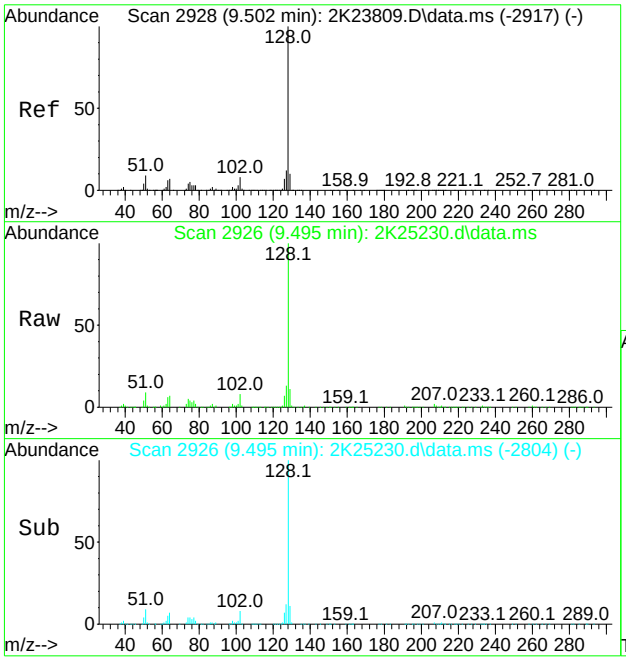


#107
1,2,4-trimethylbenzene
Concen: 1.2819 ug/L
RT: 8.151 min Scan# 2508
Delta R.T. -0.004 min
Lab File: 2K25230.d
Acq: 18 Oct 2025 5:14 am

Tgt Ion:105 Resp: 26842

Ion	Ratio	Lower	Upper
105	100		
120	44.5	16.8	76.8
119	13.3	0.0	42.0

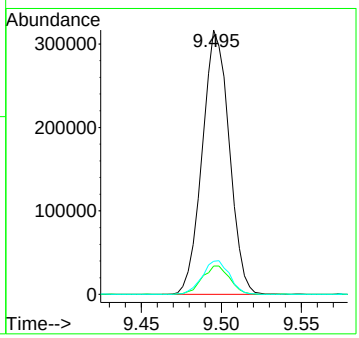




#119
naphthalene
Concen: 17.4267 ug/L
RT: 9.495 min Scan# 2926
Delta R.T. -0.007 min
Lab File: 2K25230.d
Acq: 18 Oct 2025 5:14 am

Tgt Ion:128 Resp: 371547

Ion	Ratio	Lower	Upper
128	100		
129	10.7	0.0	40.4
127	12.5	0.0	42.1



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\karoln\10. October\20102025\v2k694\
Data File : 2K25224.d
Acq On : 18 Oct 2025 3:33 am
Operator : EDWARDD
Sample : je20825-6 Inst : GCMSK
Misc : MS98030,V2K694,5,,,,1
ALS Vial : 66 Sample Multiplier: 1

Quant Time: Oct 20 14:41:28 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 13:21:53 2025
Response via : Initial Calibration

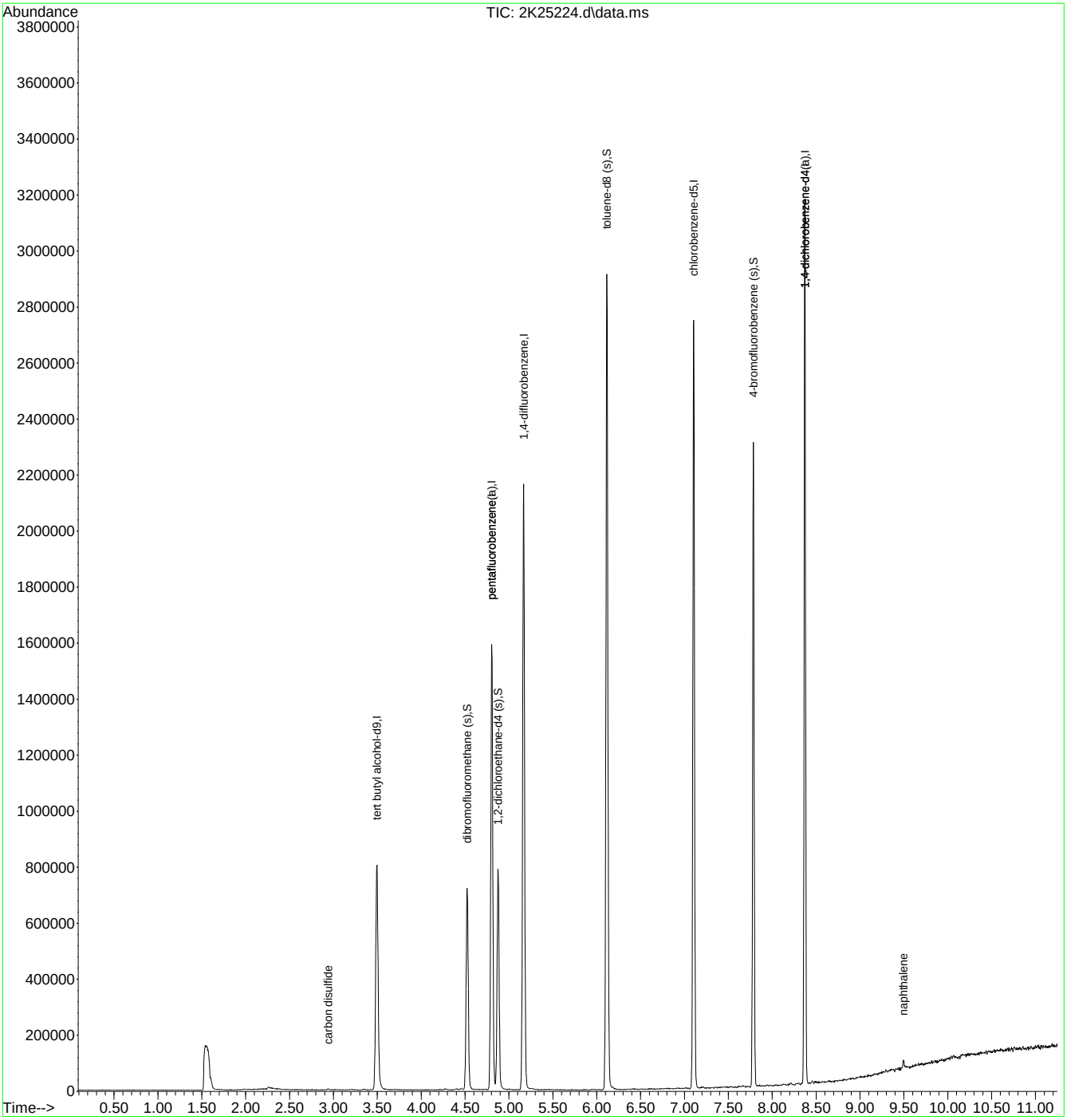
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	3.496	65	836496	500.00	ug/L	0.00
5) pentafluorobenzene	4.804	168	931479	50.00	ug/L	0.00
50) 1,4-difluorobenzene	5.168	114	1447984	50.00	ug/L	0.00
72) chlorobenzene-d5	7.106	117	1185563	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	8.373	152	577007	50.00	ug/L	0.00
124) pentafluorobenzene(a)	4.804	168	931479	50.00	ug/L	0.00
128) 1,4-dichlorobenzene-d4(a)	8.373	152	577007	50.00	ug/L	0.00
System Monitoring Compounds						
42) dibromofluoromethane (s)	4.524	113	371147	46.71	ug/L	0.00
Spiked Amount 50.000	Range 75 - 127		Recovery = 93.42%			
51) 1,2-dichloroethane-d4 (s)	4.875	65	446611	43.55	ug/L	-0.01
Spiked Amount 50.000	Range 75 - 130		Recovery = 87.10%			
73) toluene-d8 (s)	6.116	98	1625063	49.73	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.46%			
97) 4-bromofluorobenzene (s)	7.785	95	546309	45.11	ug/L	0.00
Spiked Amount 50.000	Range 79 - 127		Recovery = 90.22%			
Target Compounds						Qvalue
21) carbon disulfide	2.939	76	4441	0.2285	ug/L	93
119) naphthalene	9.495	128	14417	0.6153	ug/L	91

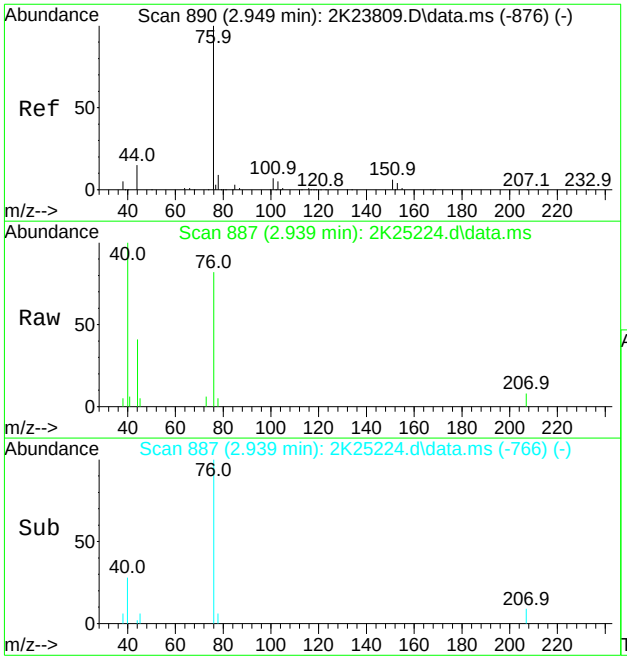
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\karoln\10. October\20102025\v2k694\
Data File : 2K25224.d
Acq On : 18 Oct 2025 3:33 am
Operator : EDWARDD
Sample : je20825-6 Inst : GCMSK
Misc : MS98030,V2K694,5,,,,1
ALS Vial : 66 Sample Multiplier: 1

Quant Time: Oct 20 14:41:28 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 13:21:53 2025
Response via : Initial Calibration

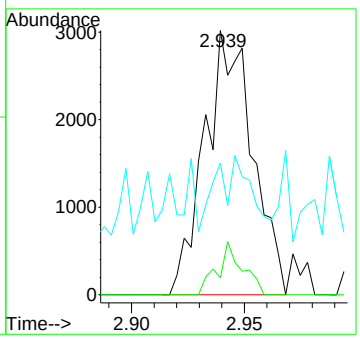


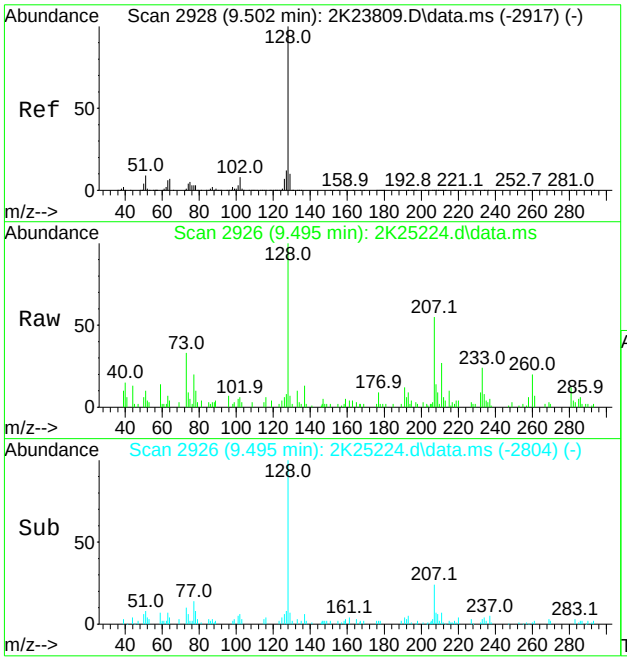


#21
carbon disulfide
Concen: 0.2285 ug/L
RT: 2.939 min Scan# 887
Delta R.T. -0.010 min
Lab File: 2K25224.d
Acq: 18 Oct 2025 3:33 am

Tgt Ion: 76 Resp: 4441

Ion	Ratio	Lower	Upper
76	100		
78	6.4	0.0	39.4
44	17.6	0.0	44.9

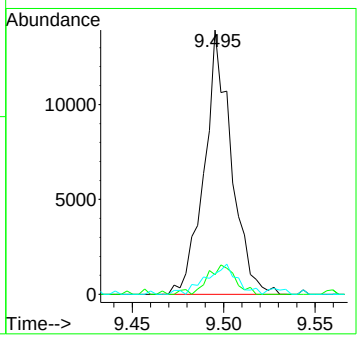




#119
naphthalene
Concen: 0.6153 ug/L
RT: 9.495 min Scan# 2926
Delta R.T. -0.007 min
Lab File: 2K25224.d
Acq: 18 Oct 2025 3:33 am

Tgt Ion:128 Resp: 14417

Ion	Ratio	Lower	Upper
128	100		
129	7.5	0.0	40.4
127	7.9	0.0	42.1



Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton VOA GCMS\karoln\10. October\20102025\v2k694\
Data File : 2K25214.d
Acq On : 18 Oct 2025 12:44 am
Operator : EDWARDD
Sample : mb Inst : GCMSK
Misc : MS46075,V2K694,5,,,,1
ALS Vial : 56 Sample Multiplier: 1

Quant Time: Oct 20 14:19:18 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 13:21:53 2025
Response via : Initial Calibration

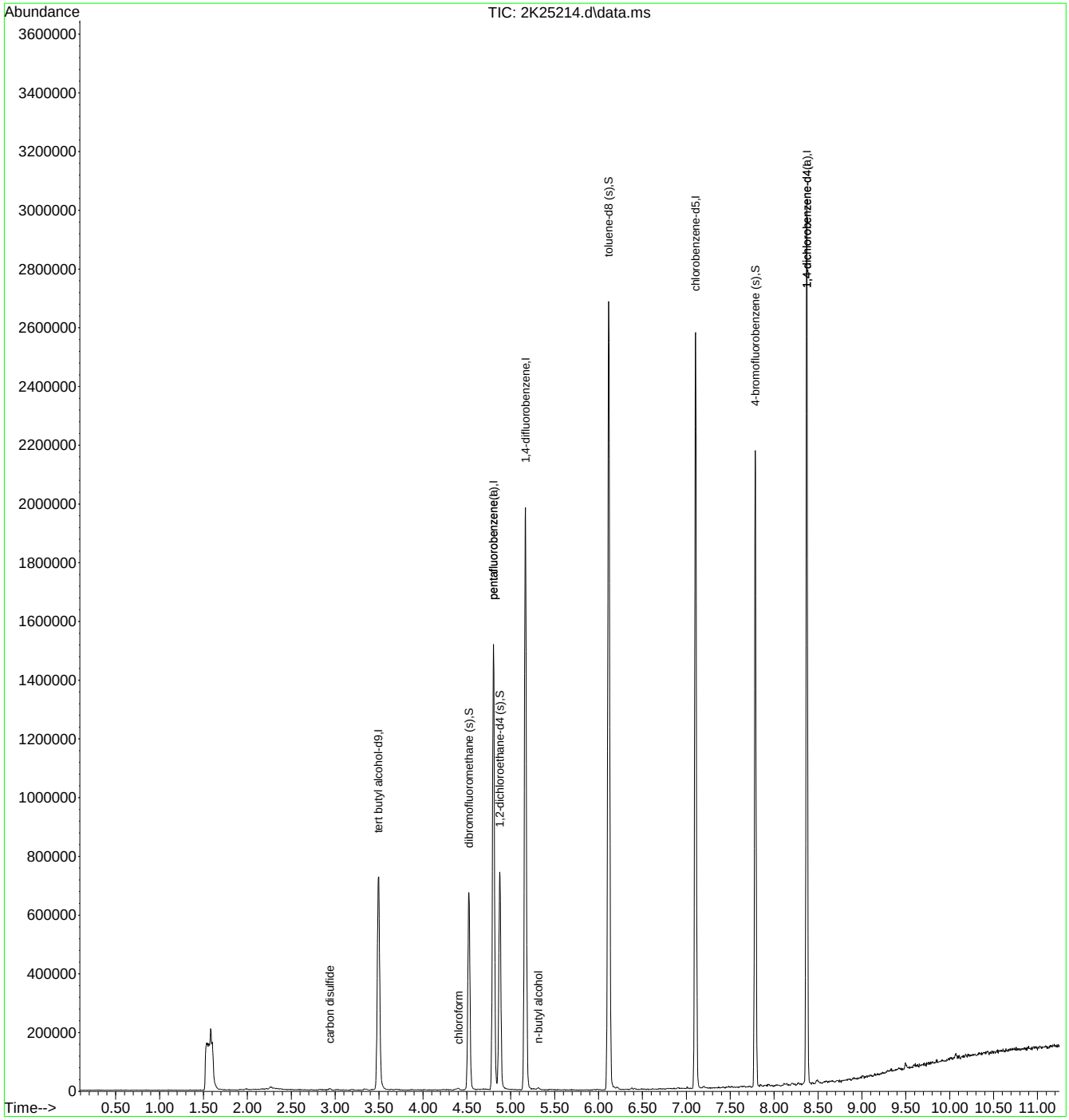
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	3.492	65	764710	500.00	ug/L	-0.01
5) pentafluorobenzene	4.804	168	881066	50.00	ug/L	0.00
50) 1,4-difluorobenzene	5.167	114	1335322	50.00	ug/L	0.00
72) chlorobenzene-d5	7.103	117	1107809	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	8.373	152	550721	50.00	ug/L	0.00
124) pentafluorobenzene(a)	4.804	168	881066	50.00	ug/L	0.00
128) 1,4-dichlorobenzene-d4(a)	8.373	152	550721	50.00	ug/L	0.00
System Monitoring Compounds						
42) dibromofluoromethane (s)	4.524	113	349008	46.44	ug/L	0.00
Spiked Amount 50.000	Range 75 - 127		Recovery = 92.88%			
51) 1,2-dichloroethane-d4 (s)	4.875	65	423825	44.82	ug/L	-0.01
Spiked Amount 50.000	Range 75 - 130		Recovery = 89.64%			
73) toluene-d8 (s)	6.116	98	1505519	49.31	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.62%			
97) 4-bromofluorobenzene (s)	7.785	95	512022	44.29	ug/L	0.00
Spiked Amount 50.000	Range 79 - 127		Recovery = 88.58%			
Target Compounds						Qvalue
21) carbon disulfide	2.939	76	5722	0.3113	ug/L	89
41) chloroform	4.405	83	3566	0.2885	ug/L	79
58) n-butyl alcohol	5.315	56	3229	5.7582	ug/L	97

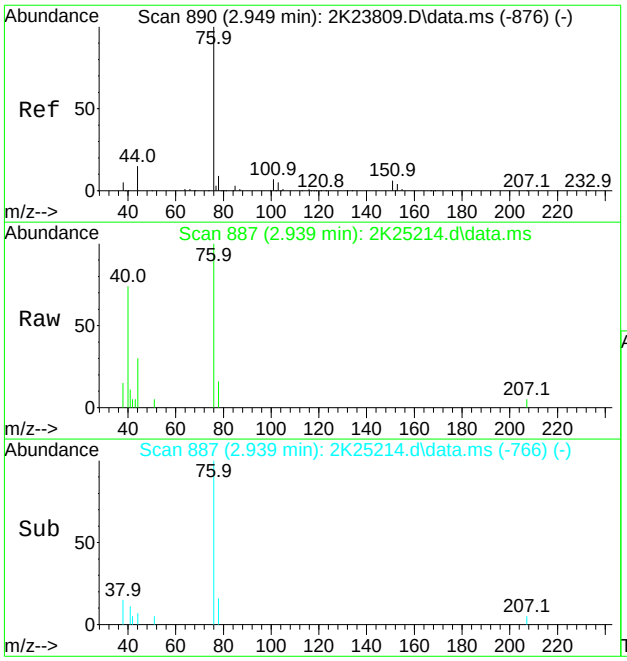
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton VOA GCMS\karoln\10. October\20102025\v2k694\
Data File : 2K25214.d
Acq On : 18 Oct 2025 12:44 am
Operator : EDWARDD
Sample : mb Inst : GCMSK
Misc : MS46075,V2K694,5,,,,1
ALS Vial : 56 Sample Multiplier: 1

Quant Time: Oct 20 14:19:18 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 13:21:53 2025
Response via : Initial Calibration

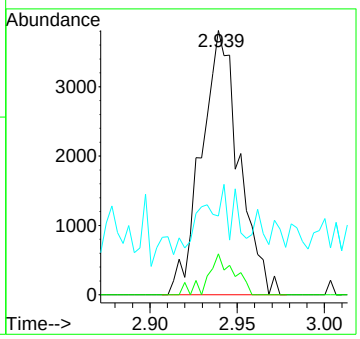


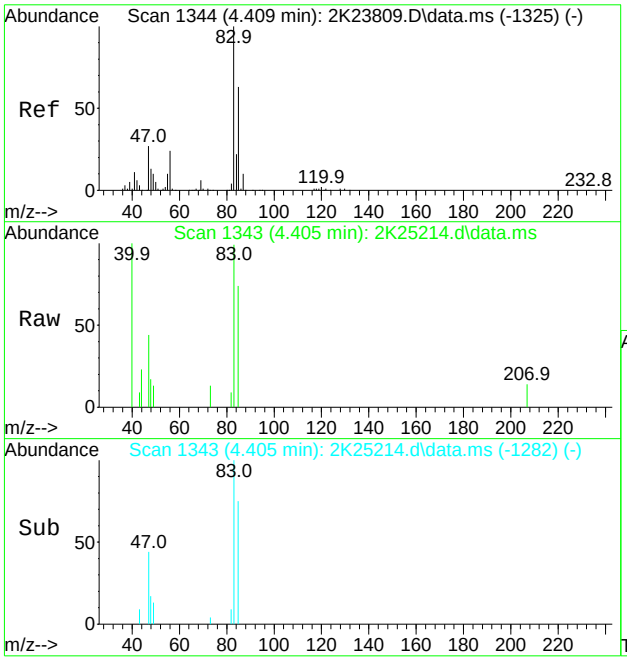


#21
carbon disulfide
Concen: 0.3113 ug/L
RT: 2.939 min Scan# 887
Delta R.T. -0.010 min
Lab File: 2K25214.d
Acq: 18 Oct 2025 12:44 am

Tgt Ion: 76 Resp: 5722

Ion	Ratio	Lower	Upper
76	100		
78	15.5	0.0	39.4
44	11.8	0.0	44.9

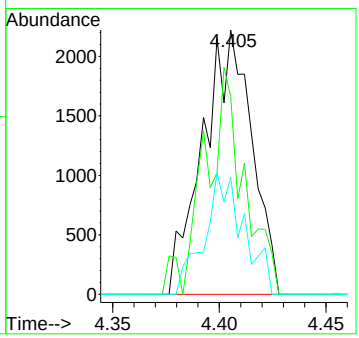


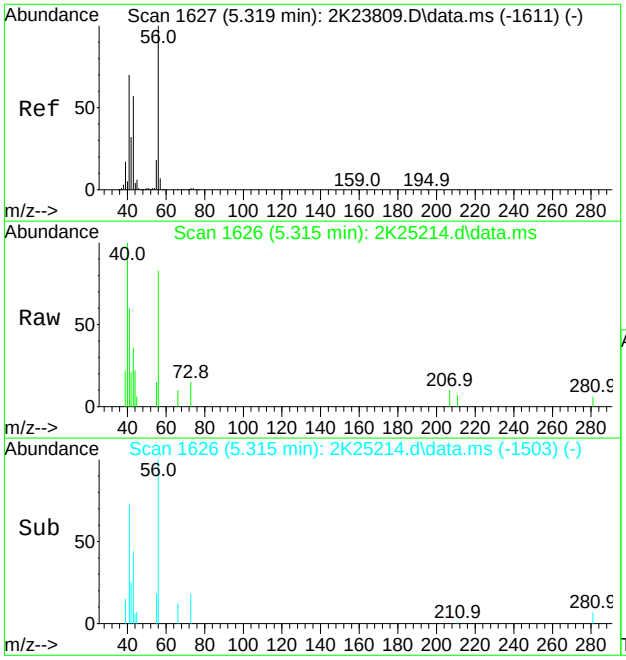


#41
chloroform
Concen: 0.2885 ug/L
RT: 4.405 min Scan# 1343
Delta R.T. -0.004 min
Lab File: 2K25214.d
Acq: 18 Oct 2025 12:44 am

Tgt Ion: 83 Resp: 3566

Ion	Ratio	Lower	Upper
83	100		
85	74.8	33.0	93.0
47	44.4	0.0	56.9

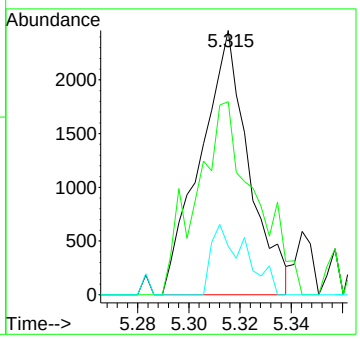




#58
n-butyl alcohol
Concen: 5.7582 ug/L
RT: 5.315 min Scan# 1626
Delta R.T. -0.004 min
Lab File: 2K25214.d
Acq: 18 Oct 2025 12:44 am

Tgt Ion: 56 Resp: 3229

Ion	Ratio	Lower	Upper
56	100		
41	73.0	50.4	90.4
55	18.4	0.0	37.7



7.2.1

7

Manual Integrations APPROVED (compounds with "m" flag)
Janelle Claus
10/22/25 05:53

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\karoln\10. October\20102025\v2k694\
Data File : 2K25212.d
Acq On : 18 Oct 2025 12:10 am
Operator : EDWARDD
Sample : bs Inst : GCMSK
Misc : MS97898,V2K694,5,,,,1
ALS Vial : 54 Sample Multiplier: 1

Quant Time: Oct 20 14:11:04 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 13:21:53 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.499	65	856003	500.00	ug/L		0.00
5) pentafluorobenzene	4.804	168	889193	50.00	ug/L		0.00
50) 1,4-difluorobenzene	5.168	114	1413291	50.00	ug/L		0.00
72) chlorobenzene-d5	7.106	117	1152623	50.00	ug/L		0.00
96) 1,4-dichlorobenzene-d4	8.373	152	588591	50.00	ug/L		0.00
124) pentafluorobenzene(a)	4.804	168	889193	50.00	ug/L		0.00
128) 1,4-dichlorobenzene-d4(a)	8.373	152	588591	50.00	ug/L		0.00
System Monitoring Compounds							
42) dibromofluoromethane (s)	4.525	113	354819	46.78	ug/L		0.00
Spiked Amount 50.000	Range 75 - 127		Recovery = 93.56%				
51) 1,2-dichloroethane-d4 (s)	4.875	65	451224	45.08	ug/L		0.00
Spiked Amount 50.000	Range 75 - 130		Recovery = 90.16%				
73) toluene-d8 (s)	6.116	98	1559269	49.08	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.16%				
97) 4-bromofluorobenzene (s)	7.785	95	542492	43.91	ug/L		0.00
Spiked Amount 50.000	Range 79 - 127		Recovery = 87.82%				
Target Compounds							Qvalue
2) ethanol	2.830	45	1080406	4979.2995	ug/L		98
3) tertiary butyl alcohol	3.547	59	462442	237.8763	ug/L		99
4) 1,4-dioxane	5.669	88	171594	1225.3369	ug/L		97
6) chlorodifluoromethane	1.766	51	425064	35.4363	ug/L		99
7) dichlorodifluoromethane	1.727	85	367588	41.8870	ug/L		98
8) chloromethane	1.910	50	493857	48.3301	ug/L		98
9) vinyl chloride	1.978	62	431750	50.7063	ug/L		99
10) 1,3-butadiene	1.991	39	488721	57.6912	ug/L		95
11) bromomethane	2.255	96	95353	35.1378	ug/L	#	98
12) chloroethane	2.357	64	179202	42.0413	ug/L		94
13) trichlorofluoromethane	2.483	101	458249	39.4233	ug/L		98
14) ethyl ether	2.727	74	183382	43.7367	ug/L		93
16) freon 113	2.927	151	216944	41.8485	ug/L		99
17) 1,1-dichloroethene	2.901	61	460655	42.2279	ug/L		98
18) acetone	3.357	58	232490	173.4344	ug/L	#	84
19) acetonitrile	3.695	41	947902	467.4423	ug/L		98
20) iodomethane	3.026	142	208387	31.1704	ug/L		97
21) carbon disulfide	2.943	76	767881	41.3931	ug/L		99
22) methylene chloride	3.338	84	280588	43.8121	ug/L		96
23) methyl acetate	3.438	74	81573	44.3185	ug/L	#	83
24) methyl tert butyl ether	3.515	73	933905	42.0675	ug/L		89
25) trans-1,2-dichloroethene	3.451	96	290083	44.7665	ug/L		96
26) hexane	3.502	57	755670	43.7672	ug/L		98
27) di-isopropyl ether	3.763	45	1265015	44.3501	ug/L		99
28) ethyl tert-butyl ether	4.010	59	1115569	43.6843	ug/L		96
29) 2-butanone	4.589	72	282427	194.1356	ug/L		91
30) 1,1-dichloroethane	3.881	63	587759	44.3797	ug/L		99
31) chloroprene	3.862	53	611339	42.6628	ug/L		97
33) vinyl acetate	4.020	86	86021	48.2541	ug/L		99
34) ethyl acetate	4.457	70	49087	40.5741	ug/L		93
35) 2,2-dichloropropane	4.309	77	449458	42.5365	ug/L		98
36) cis-1,2-dichloroethene	4.235	96	297465	43.4931	ug/L		96
37) propionitrile	4.795	54	1054724	467.9750	ug/L		98
38) methyl acrylate	4.470	85	73268	45.8765	ug/L		95
39) bromochloromethane	4.367	128	145555	48.6652	ug/L		89
40) tetrahydrofuran	4.515	71	67293	44.7790	ug/L		95
41) chloroform	4.402	83	521398	41.7934	ug/L		97
43) methacrylonitrile	4.811	67	194230	43.2051	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\karoln\10. October\20102025\v2k694\
Data File : 2K25212.d
Acq On : 18 Oct 2025 12:10 am
Operator : EDWARDD
Sample : bs Inst : GCMSK
Misc : MS97898,V2K694,5,,,,1
ALS Vial : 54 Sample Multiplier: 1

Quant Time: Oct 20 14:11:04 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 13:21:53 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
44) 1,1,1-trichloroethane	4.557	97	446040	41.8079	ug/L	99
45) cyclohexane	4.383	84	482173	50.3298	ug/L	99
46) 1,1-dichloropropene	4.631	75	416570	44.6934	ug/L	97
47) carbon tetrachloride	4.512	117	405360m	41.7078	ug/L	
49) tert-amyl alcohol	4.936	55	159546	218.9863	ug/L	98
52) iso-octane	4.689	57	1079971	40.4502	ug/L	97
53) benzene	4.795	78	1190138	44.6177	ug/L	98
54) tert-amyl methyl ether	4.836	73	985505	43.4980	ug/L	100
55) heptane	4.740	57	180361	46.3677	ug/L	97
56) isopropyl acetate	5.029	87	100376	45.9789	ug/L #	90
57) 1,2-dichloroethane	4.920	62	431303	40.2124	ug/L	97
58) n-butyl alcohol	5.312	56	1407133	2370.8637	ug/L	99
59) ethyl acrylate	5.470	55	665529	45.5868	ug/L	99
60) trichloroethene	5.161	130	325040	49.9897	ug/L	96
61) 2-nitropropane	6.303	41	158962	41.5826	ug/L	93
62) 2-chloroethyl vinyl ether	5.917	63	1140459	228.3076	ug/L	99
63) methyl methacrylate	5.615	100	121711	48.0142	ug/L #	85
64) 1,2-dichloropropane	5.508	63	339927	45.6972	ug/L	99
65) methylcyclohexane	5.168	98	222574	46.9014	ug/L	95
66) dibromomethane	5.444	93	178109	43.1380	ug/L	90
67) bromodichloromethane	5.537	83	384432	43.1674	ug/L	96
68) epichlorohydrin	6.148	57	363054	219.9298	ug/L	99
69) cis-1,3-dichloropropene	5.984	75	495286	43.5950	ug/L	96
70) 4-methyl-2-pentanone	6.380	58	882433	181.9672	ug/L	99
71) 3-methyl-1-butanol	6.213	70	424464	919.4904	ug/L	97
74) toluene	6.151	92	755277	45.5579	ug/L	99
75) ethyl methacrylate	6.489	69	477896	46.0342	ug/L	98
76) trans-1,3-dichloropropene	6.415	75	485301	44.4590	ug/L	99
77) 1,1,2-trichloroethane	6.524	83	227005	45.1036	ug/L	95
78) tetrachloroethene	6.418	166	315062	49.6168	ug/L	97
79) 2-hexanone	6.901	58	963823	185.6386	ug/L	98
80) 1,3-dichloropropane	6.705	76	499885	45.6465	ug/L	98
81) butyl acetate	6.827	56	352374	46.4577	ug/L	99
82) dibromochloromethane	6.647	129	310968	47.6896	ug/L	97
83) 1,2-dibromoethane	6.811	107	288652	47.1115	ug/L	98
84) n-butyl ether	7.010	57	1653255	47.6132	ug/L	99
85) chlorobenzene	7.116	112	847504	49.1475	ug/L	94
86) 1,1,1,2-tetrachloroethane	7.145	131	295824	48.2424	ug/L	98
87) ethylbenzene	7.116	91	1457746	45.9723	ug/L	99
88) m,p-xylene	7.200	106	1151813	99.0587	ug/L	92
89) o-xylene	7.450	106	552765	48.8758	ug/L	94
90) styrene	7.476	104	919222	47.8528	ug/L	95
91) bromoform	7.508	173	230544	44.4103	ug/L	98
92) butyl acrylate	7.518	55	906795	46.6831	ug/L	98
93) isopropylbenzene	7.618	105	1365889	48.5828	ug/L	99
94) n-amyl acetate	7.656	70	295866	47.3062	ug/L #	88
95) cis-1,4-dichloro-2-butene	7.807	88	98868	22.0157	ug/L	96
98) bromobenzene	7.852	156	340776	45.1842	ug/L	96
99) 1,1,2,2-tetrachloroethane	7.881	83	424660	43.5367	ug/L	100
100) trans-1,4-dichloro-2-b...	7.971	53	85026	19.0253	ug/L #	21
101) 1,2,3-trichloropropane	7.965	110	140532	42.5480	ug/L	98
102) n-propylbenzene	7.846	91	1592610	46.0236	ug/L	98
103) 2-chlorotoluene	7.942	126	337808	47.7343	ug/L	92
104) 4-chlorotoluene	8.029	91	983950	43.4030	ug/L	96
105) 1,3,5-trimethylbenzene	7.942	105	1060492	44.8596	ug/L	96
106) tert-butylbenzene	8.116	119	936726	46.1996	ug/L	95
107) 1,2,4-trimethylbenzene	8.148	105	1049538	44.7127	ug/L	97
108) sec-butylbenzene	8.206	105	1256078	46.8996	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\karoln\10. October\20102025\v2k694\
Data File : 2K25212.d
Acq On : 18 Oct 2025 12:10 am
Operator : EDWARDD
Sample : bs Inst : GCMSK
Misc : MS97898,V2K694,5,,,,1
ALS Vial : 54 Sample Multiplier: 1

Quant Time: Oct 20 14:11:04 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 13:21:53 2025
Response via : Initial Calibration

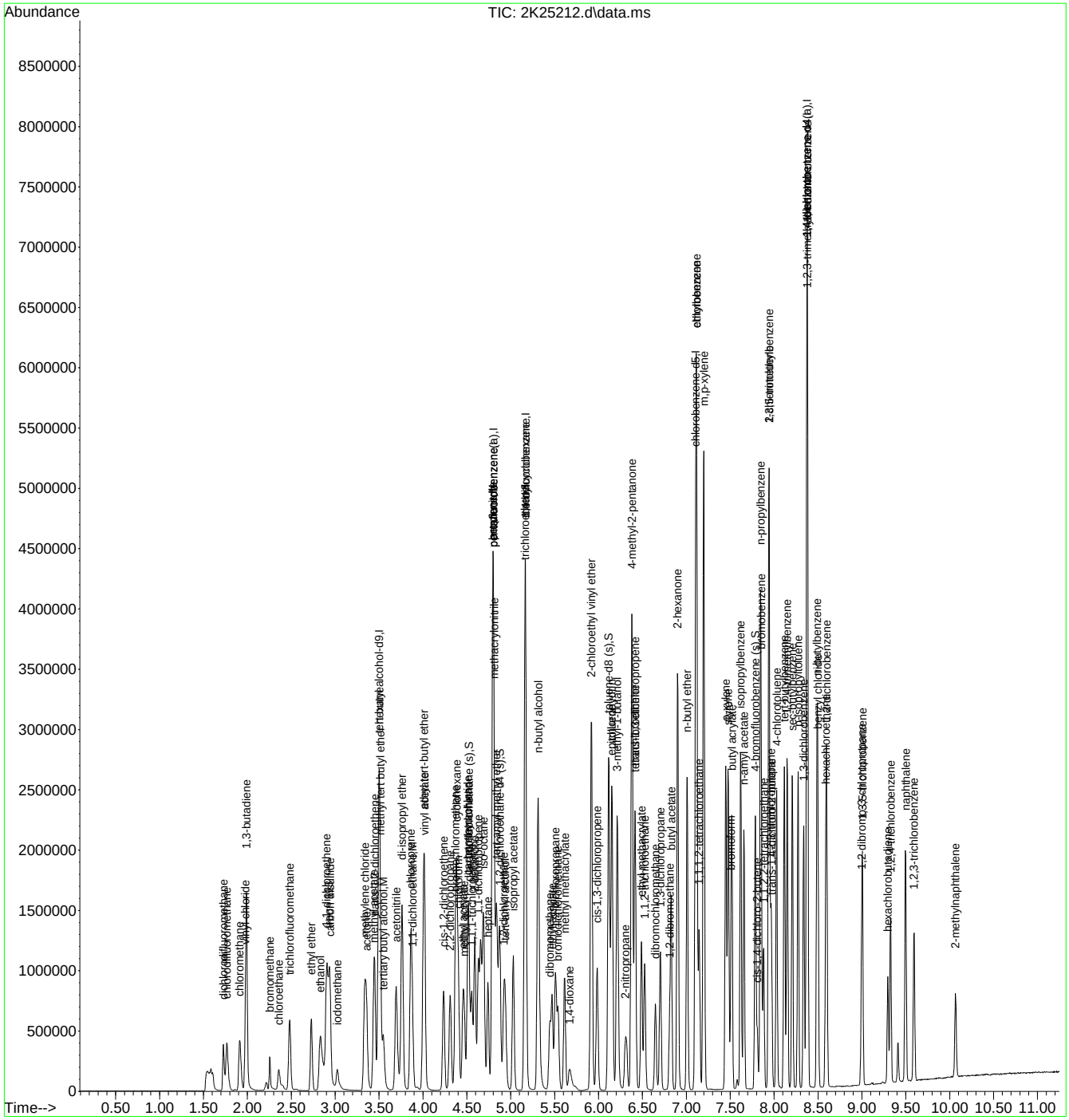
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
109) 1,3-dichlorobenzene	8.338	146	645092	46.1933	ug/L	94
110) p-isopropyltoluene	8.274	119	1076985	46.1365	ug/L	96
111) 1,4-dichlorobenzene	8.380	146	663930	47.6875	ug/L	99
112) 1,2-dichlorobenzene	8.598	146	617356	46.3986	ug/L	98
113) 1,2,3-trimethylbenzene	8.376	105	1082541	44.1885	ug/L	99
114) n-butylbenzene	8.489	92	536316	46.1480	ug/L	96
115) 1,2-dibromo-3-chloropr...	8.997	157	132307	43.5934	ug/L	96
116) 1,3,5-trichlorobenzene	9.007	180	350621	45.8365	ug/L	98
117) 1,2,4-trichlorobenzene	9.325	180	313595	46.6614	ug/L	99
118) hexachlorobutadiene	9.296	225	119494	48.2460	ug/L	96
119) naphthalene	9.499	128	1114221	46.6179	ug/L	100
120) 1,2,3-trichlorobenzene	9.592	180	295417	46.3338	ug/L	96
121) hexachloroethane	8.589	119	179365	42.4416	ug/L	98
122) benzyl chloride	8.499	126	206160	46.9637	ug/L	98
123) 2-methylnaphthalene	10.065	142	269702	22.9454	ug/L	91

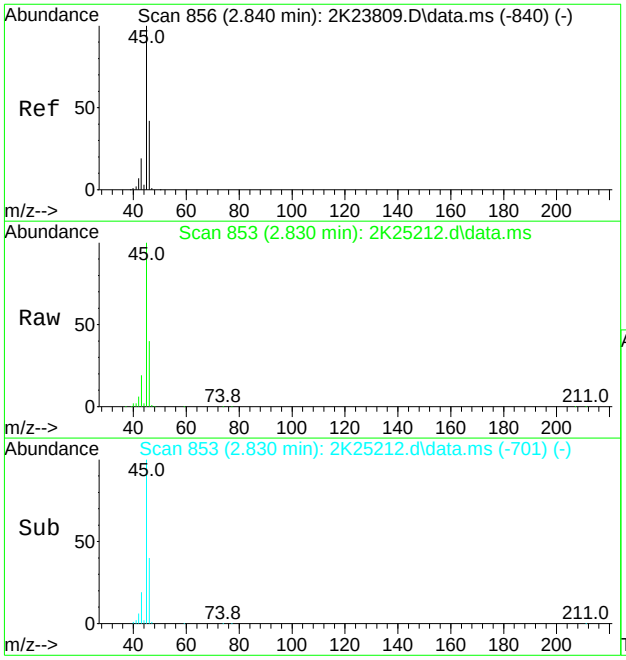
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\karoln\10. October\20102025\v2k694\
Data File : 2K25212.d
Acq On : 18 Oct 2025 12:10 am
Operator : EDWARDD
Sample : bs Inst : GCMSK
Misc : MS97898,V2K694,5,,,,1
ALS Vial : 54 Sample Multiplier: 1

Quant Time: Oct 20 14:11:04 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 13:21:53 2025
Response via : Initial Calibration

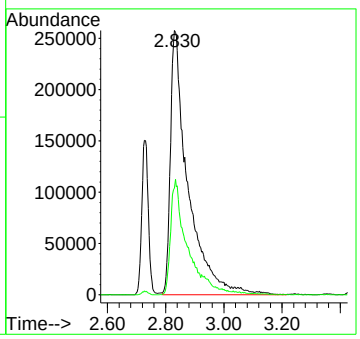


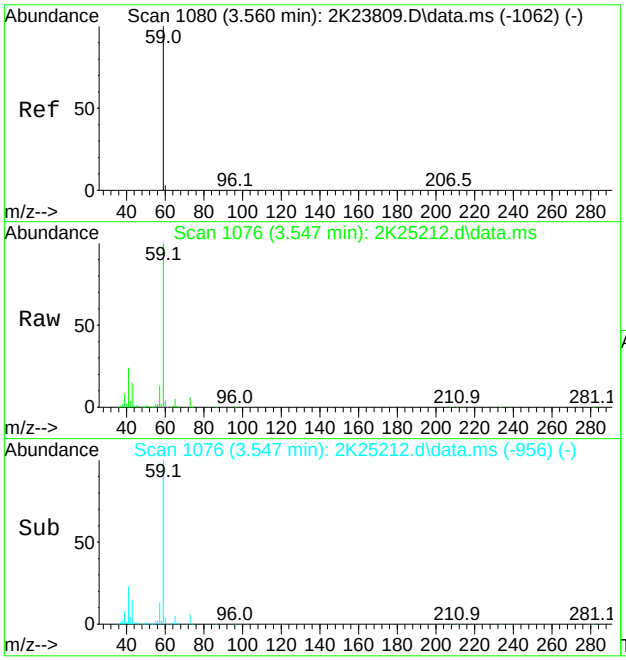


#2
ethanol
Concen: 4979.2995 ug/L
RT: 2.830 min Scan# 853
Delta R.T. -0.010 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion: 45 Resp: 1080406

Ion	Ratio	Lower	Upper
45	100		
46	40.1	21.3	61.3

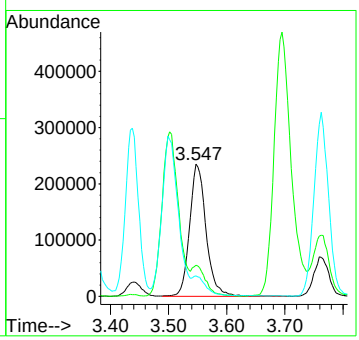


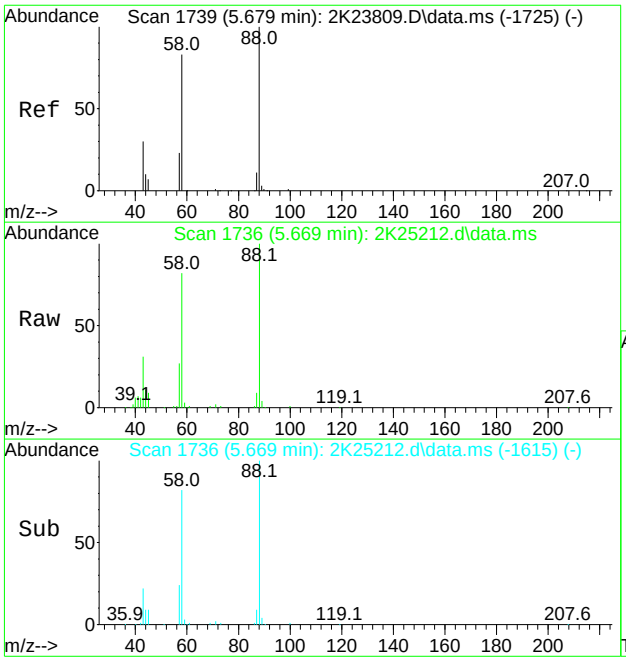


#3
tertiary butyl alcohol
Concen: 237.8763 ug/L
RT: 3.547 min Scan# 1076
Delta R.T. -0.013 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion: 59 Resp: 462442

Ion	Ratio	Lower	Upper
59	100		
41	0.0	0.0	30.0
43	15.1	0.0	45.5

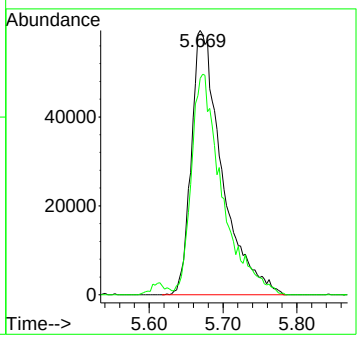


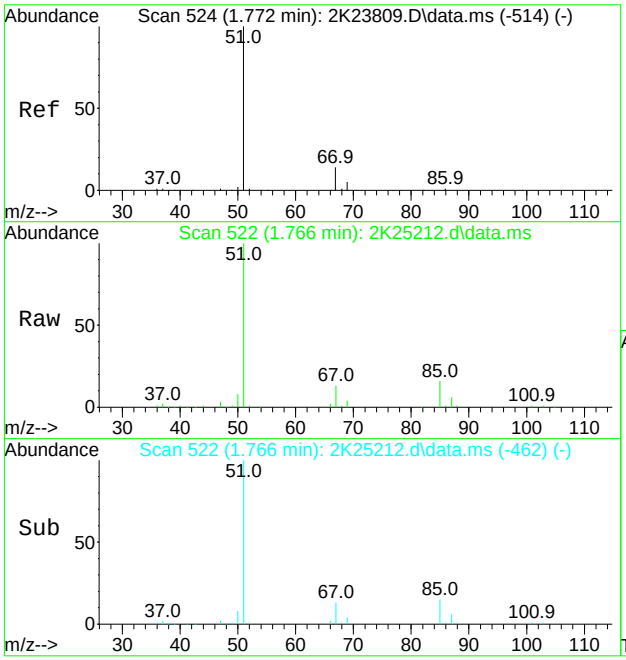


#4
1,4-dioxane
Concen: 1225.3369 ug/L
RT: 5.669 min Scan# 1736
Delta R.T. -0.010 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion: 88 Resp: 171594

Ion	Ratio	Lower	Upper
88	100		
58	81.8	64.5	104.5

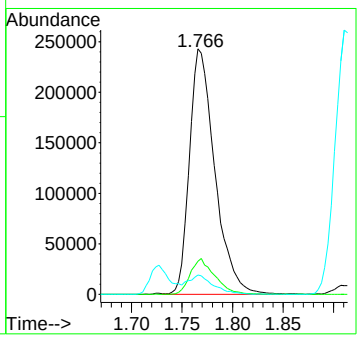


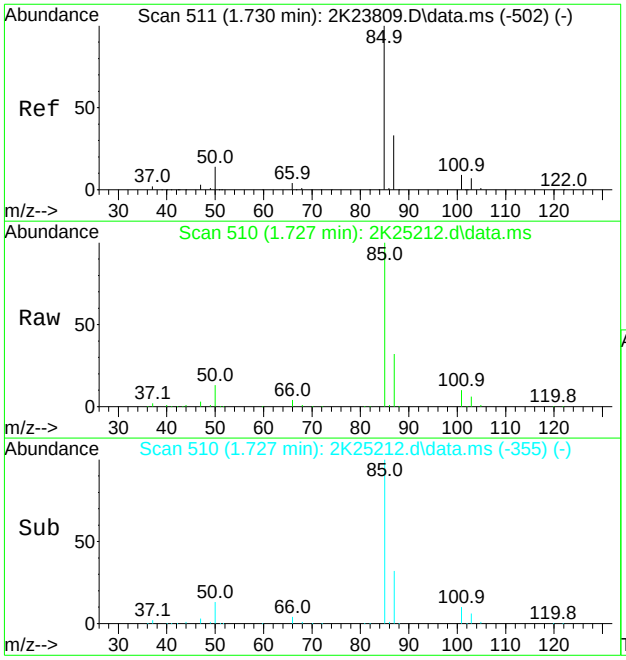


#6
chlorodifluoromethane
Concen: 35.4363 ug/L
RT: 1.766 min Scan# 522
Delta R.T. -0.006 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion: 51 Resp: 425064

Ion	Ratio	Lower	Upper
51	100		
67	13.5	0.0	44.0
50	7.9	0.0	37.4

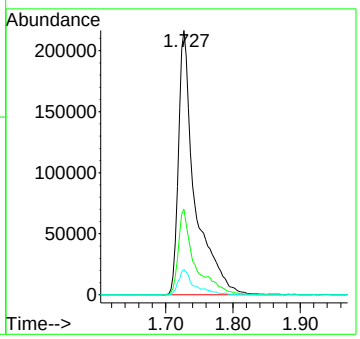


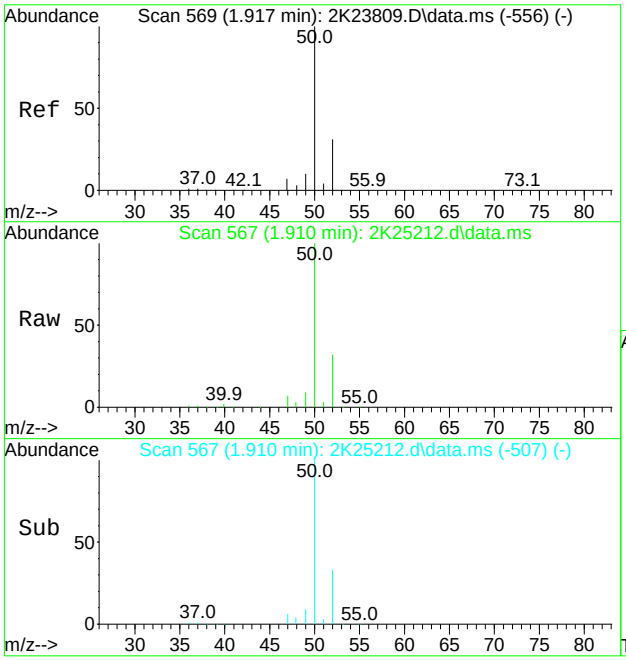


#7
dichlorodifluoromethane
Concen: 41.8870 ug/L
RT: 1.727 min Scan# 510
Delta R.T. -0.003 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion: 85 Resp: 367588

Ion	Ratio	Lower	Upper
85	100		
87	32.4	3.4	63.4
101	9.6	0.0	39.0

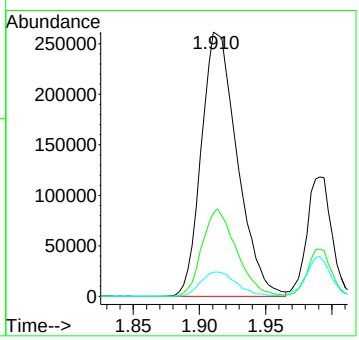


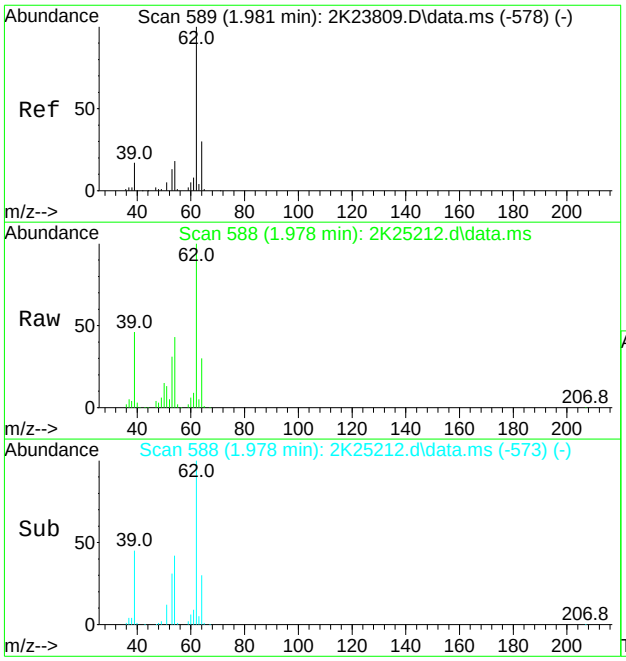


#8
chloromethane
Concen: 48.3301 ug/L
RT: 1.910 min Scan# 567
Delta R.T. -0.007 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion: 50 Resp: 493857

Ion	Ratio	Lower	Upper
50	100		
52	31.5	0.8	60.8
49	9.1	0.0	40.1

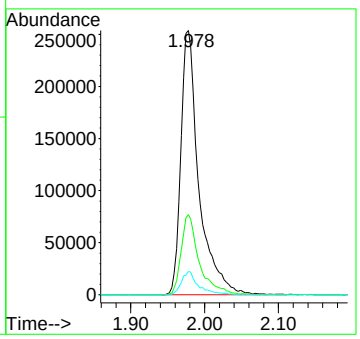


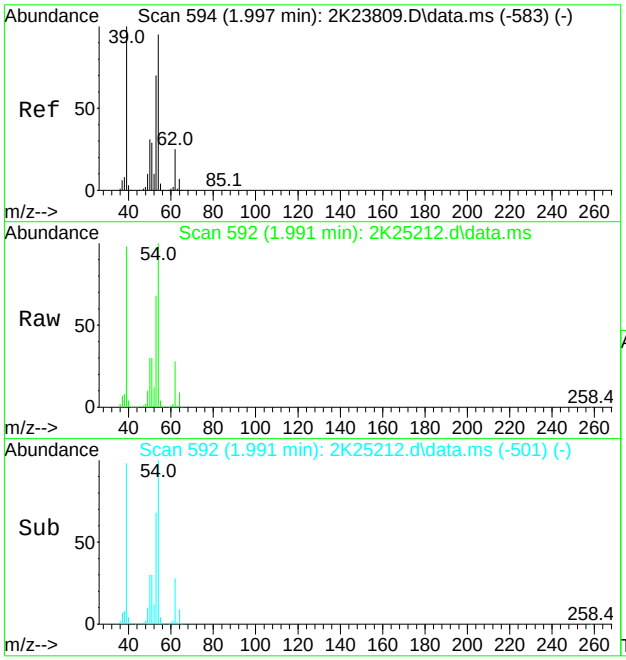


#9
vinyl chloride
Concen: 50.7063 ug/L
RT: 1.978 min Scan# 588
Delta R.T. -0.003 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion: 62 Resp: 431750

Ion	Ratio	Lower	Upper
62	100		
64	30.3	0.0	60.0
61	8.8	0.0	37.6

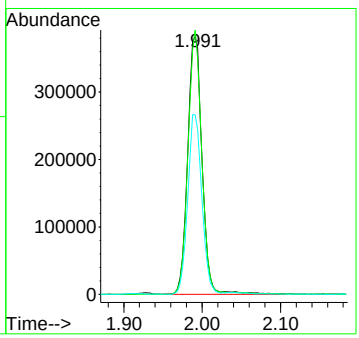


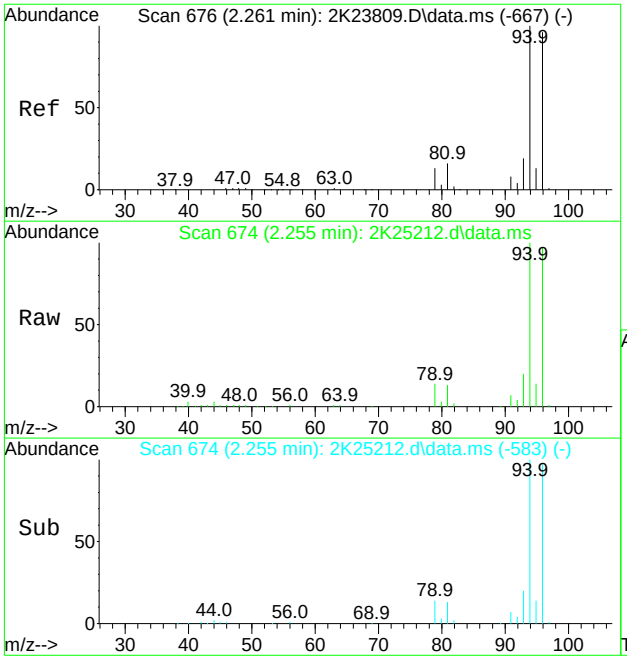


#10
1,3-butadiene
Concen: 57.6912 ug/L
RT: 1.991 min Scan# 592
Delta R.T. -0.006 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion: 39 Resp: 488721

Ion	Ratio	Lower	Upper
39	100		
54	102.5	65.4	125.4
53	69.6	40.3	100.3

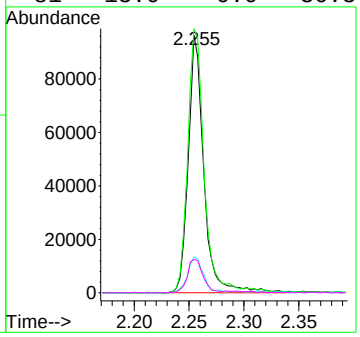


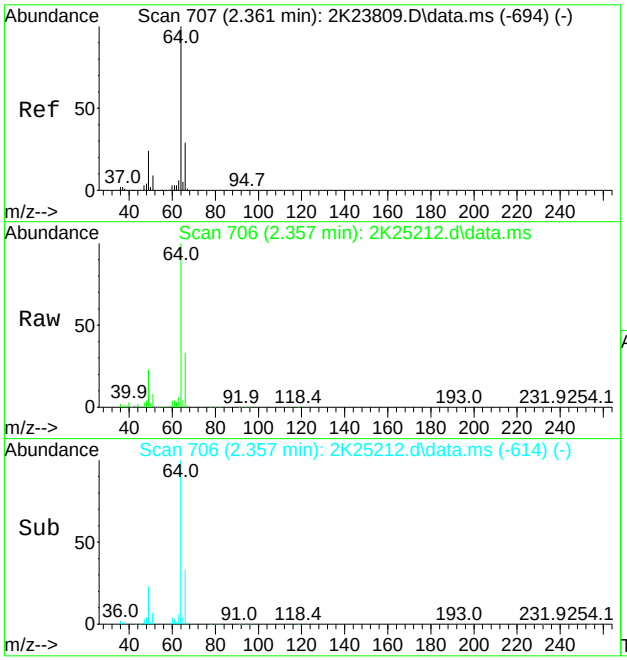


#11
bromomethane
Concen: 35.1378 ug/L
RT: 2.255 min Scan# 674
Delta R.T. -0.006 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion: 96 Resp: 95353

Ion	Ratio	Lower	Upper
96	100		
94	102.6	74.5	134.5
79	13.9	13.7	13.7#
81	13.0	0.0	36.3

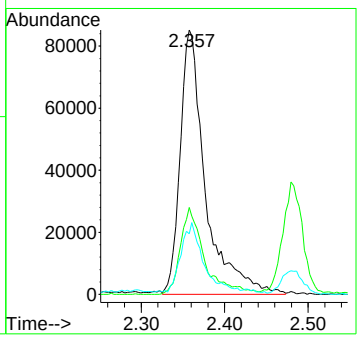


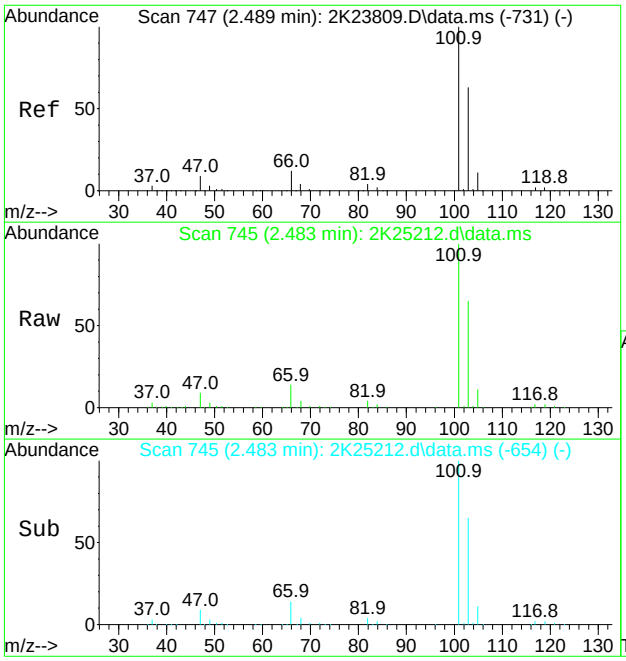


#12
chloroethane
Concen: 42.0413 ug/L
RT: 2.357 min Scan# 706
Delta R.T. -0.004 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion: 64 Resp: 179202

Ion	Ratio	Lower	Upper
64	100		
66	32.7	0.0	59.3
49	22.0	0.0	54.3

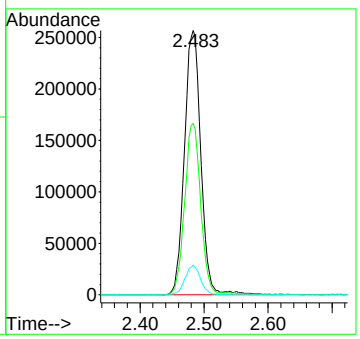


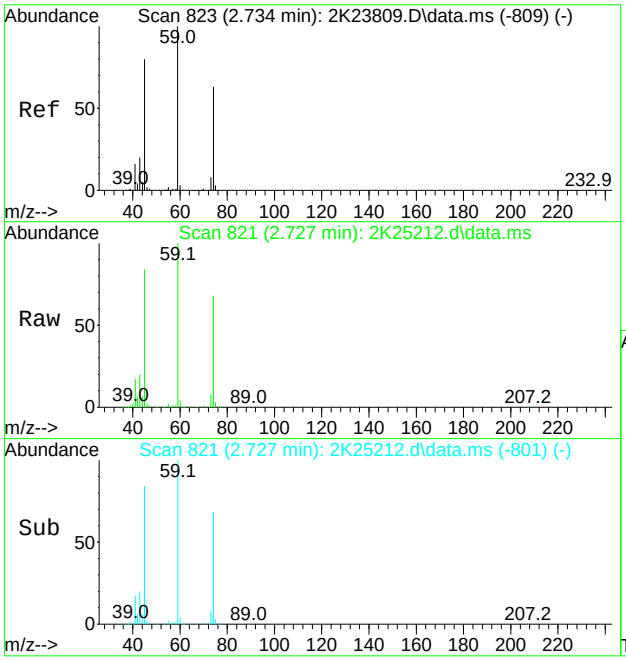


#13
trichlorofluoromethane
Concen: 39.4233 ug/L
RT: 2.483 min Scan# 745
Delta R.T. -0.006 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion:101 Resp: 458249

Ion	Ratio	Lower	Upper
101	100		
103	64.9	33.3	93.3
105	11.2	0.0	40.7

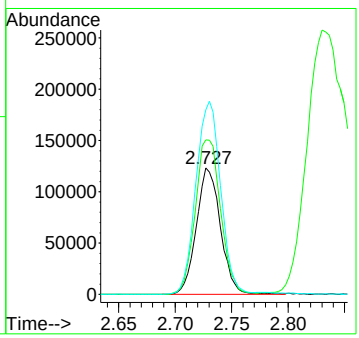


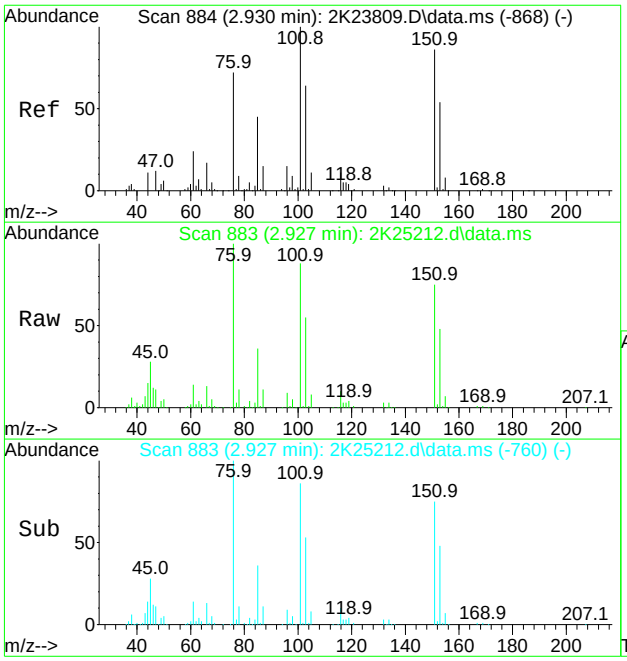


#14
ethyl ether
Concen: 43.7367 ug/L
RT: 2.727 min Scan# 821
Delta R.T. -0.007 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion: 74 Resp: 183382

Ion	Ratio	Lower	Upper
74	100		
45	122.0	96.7	156.7
59	146.0	128.9	188.9

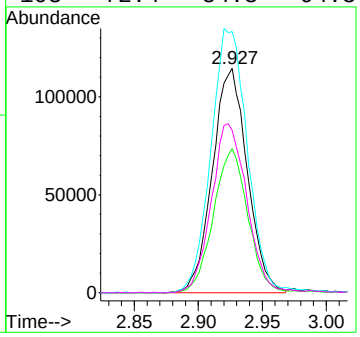


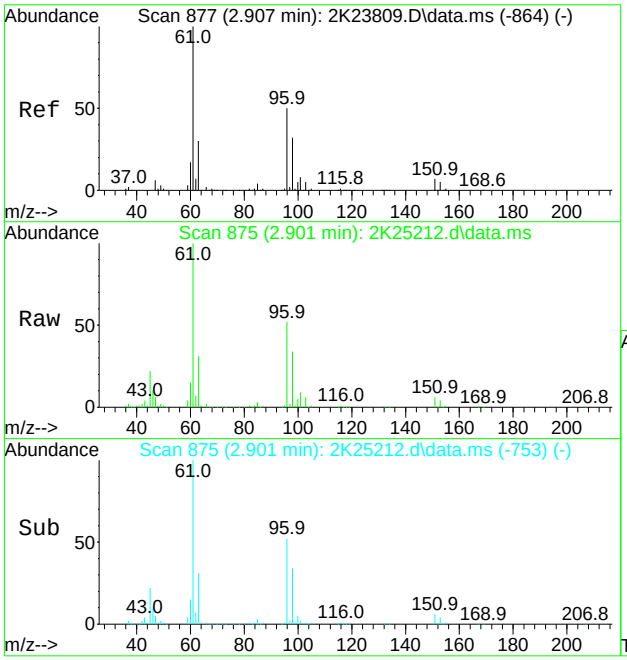


#16
freon 113
Concen: 41.8485 ug/L
RT: 2.927 min Scan# 883
Delta R.T. -0.003 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion:151 Resp: 216944

Ion	Ratio	Lower	Upper
151	100		
153	64.2	43.0	83.0
101	116.2	95.9	135.9
103	72.4	54.3	94.3

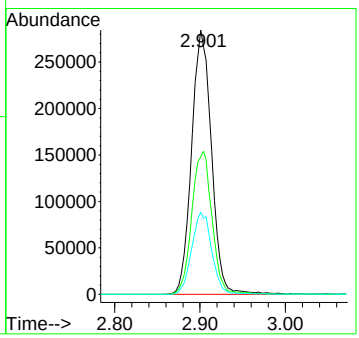


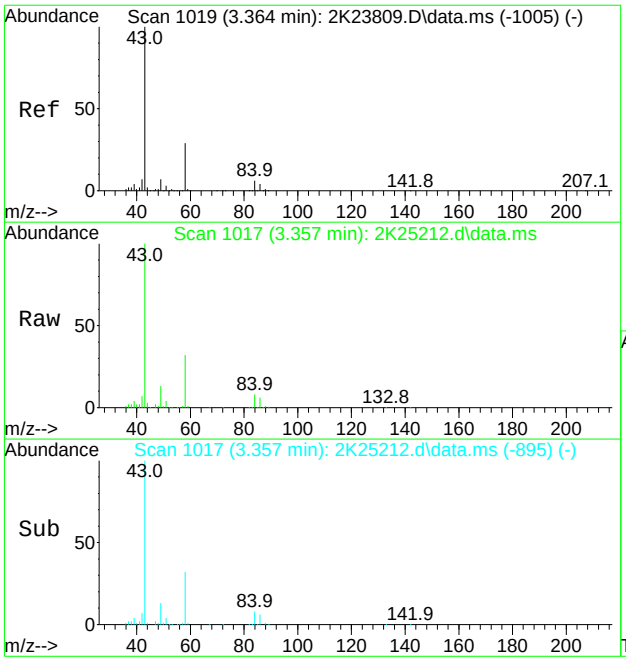


#17
1,1-dichloroethene
Concen: 42.2279 ug/L
RT: 2.901 min Scan# 875
Delta R.T. -0.006 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion: 61 Resp: 460655

Ion	Ratio	Lower	Upper
61	100		
96	52.0	19.8	79.8
63	31.0	0.4	60.4

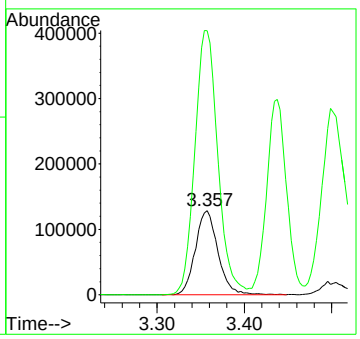


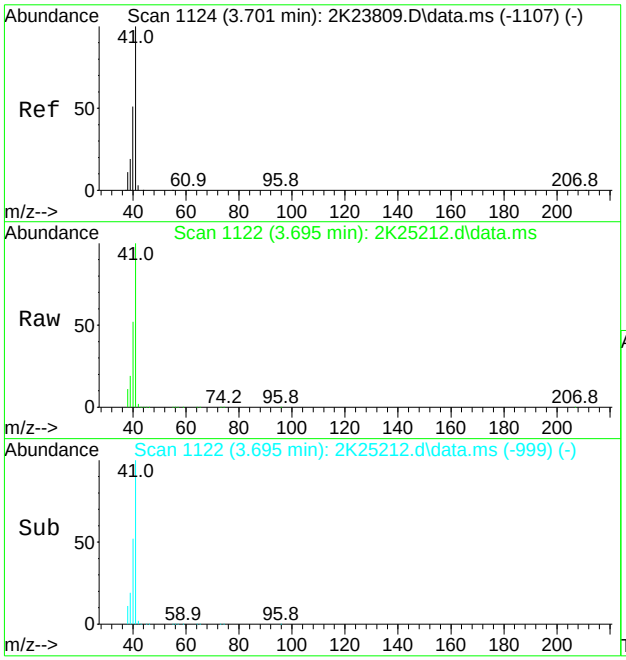


#18
acetone
Concen: 173.4344 ug/L
RT: 3.357 min Scan# 1017
Delta R.T. -0.007 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion: 58 Resp: 232490

Ion	Ratio	Lower	Upper
58	100		
43	313.4	317.9	377.9#

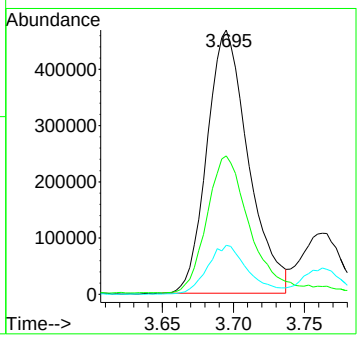


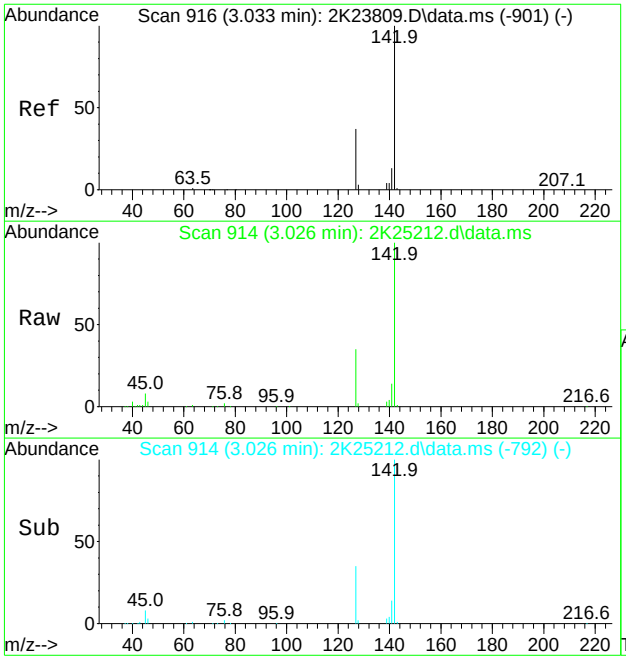


#19
acetonitrile
Concen: 467.4423 ug/L
RT: 3.695 min Scan# 1122
Delta R.T. -0.006 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion: 41 Resp: 947902

Ion	Ratio	Lower	Upper
41	100		
40	52.0	20.7	80.7
39	18.5	0.0	48.9

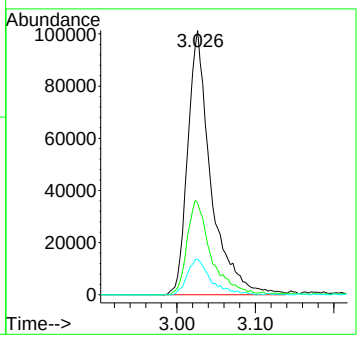


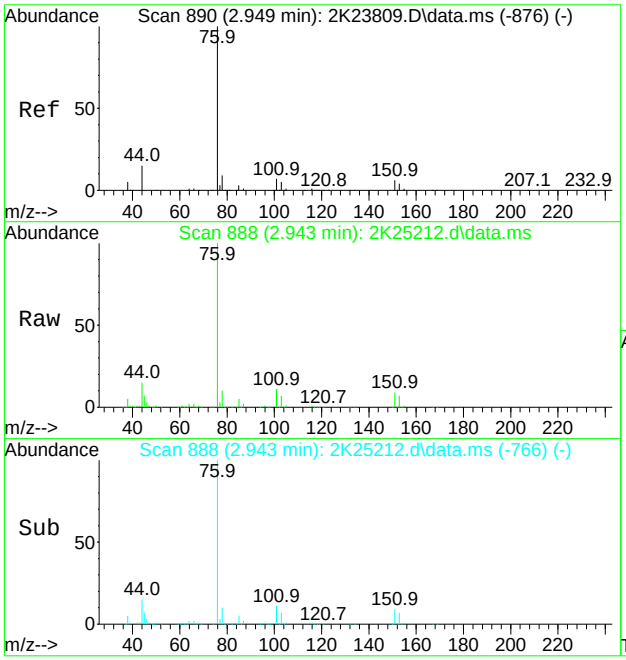


#20
iodomethane
Concen: 31.1704 ug/L
RT: 3.026 min Scan# 914
Delta R.T. -0.007 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion:142 Resp: 208387

Ion	Ratio	Lower	Upper
142	100		
127	34.5	7.2	67.2
141	13.5	0.0	43.3

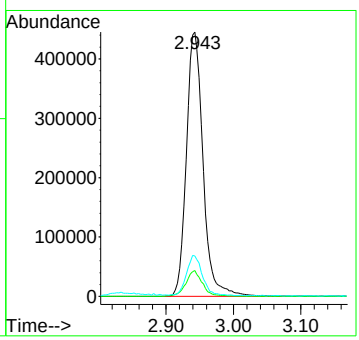


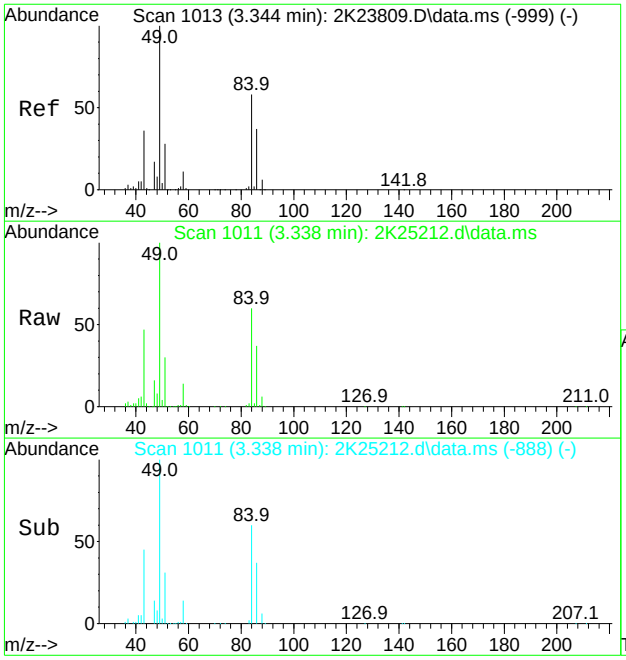


#21
carbon disulfide
Concen: 41.3931 ug/L
RT: 2.943 min Scan# 888
Delta R.T. -0.006 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion: 76 Resp: 767881

Ion	Ratio	Lower	Upper
76	100		
78	9.8	0.0	39.4
44	15.1	0.0	44.9

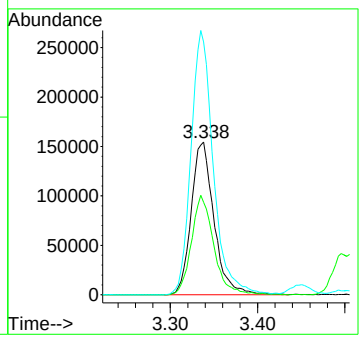


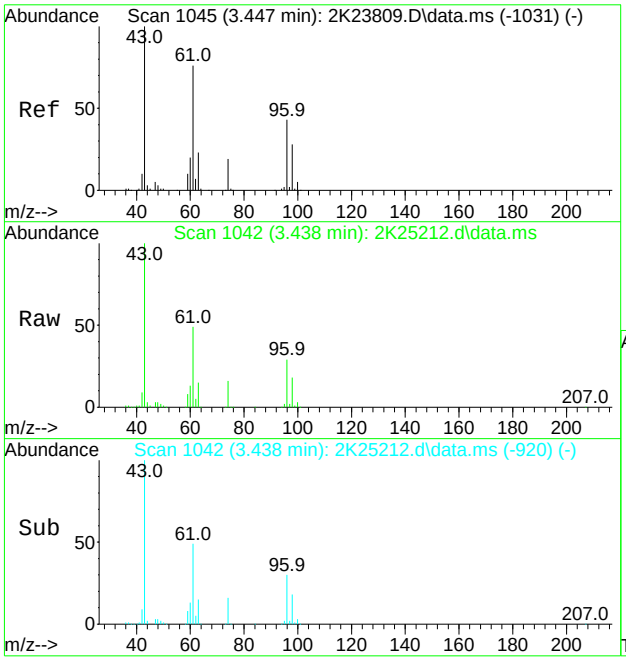


#22
methylene chloride
Concen: 43.8121 ug/L
RT: 3.338 min Scan# 1011
Delta R.T. -0.006 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion: 84 Resp: 280588

Ion	Ratio	Lower	Upper
84	100		
86	60.6	33.4	93.4
49	165.4	141.9	201.9

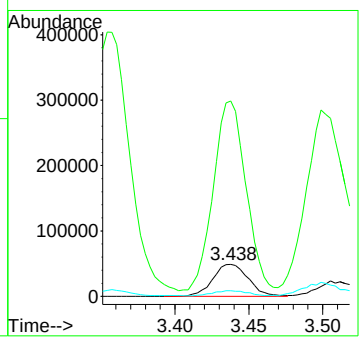


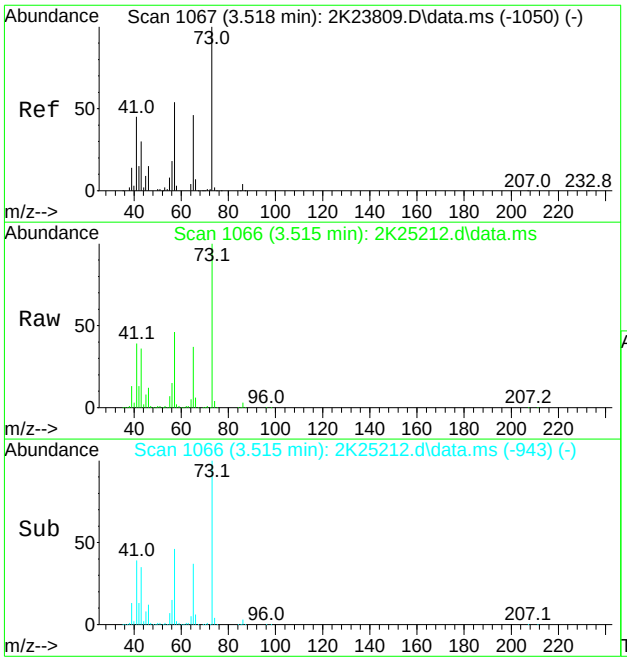


#23
methyl acetate
Concen: 44.3185 ug/L
RT: 3.438 min Scan# 1042
Delta R.T. -0.009 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion: 74 Resp: 81573

Ion	Ratio	Lower	Upper
74	100		
43	572.6	492.7	552.7#
44	15.5	0.0	46.4

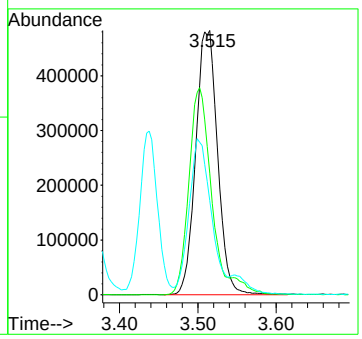


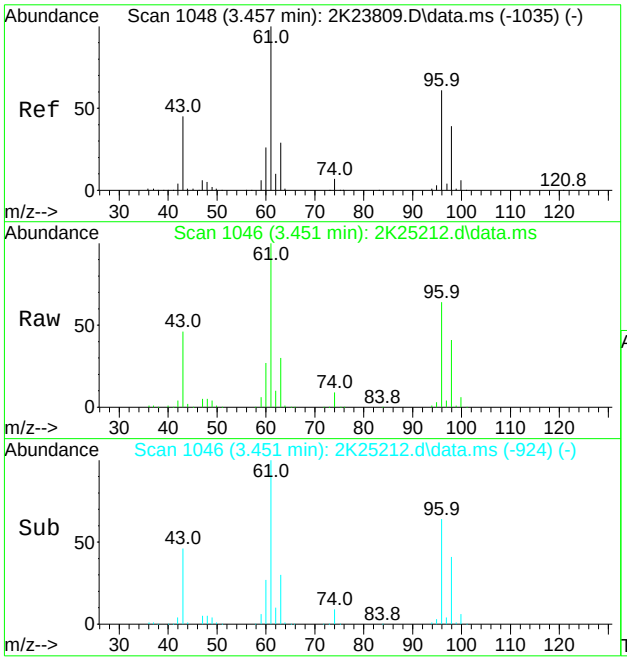


#24
methyl tert butyl ether
Concen: 42.0675 ug/L
RT: 3.515 min Scan# 1066
Delta R.T. -0.003 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion: 73 Resp: 933905

Ion	Ratio	Lower	Upper
73	100		
57	46.0	23.8	83.8
43	35.4	11.7	71.7

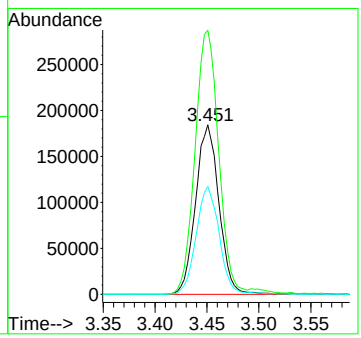


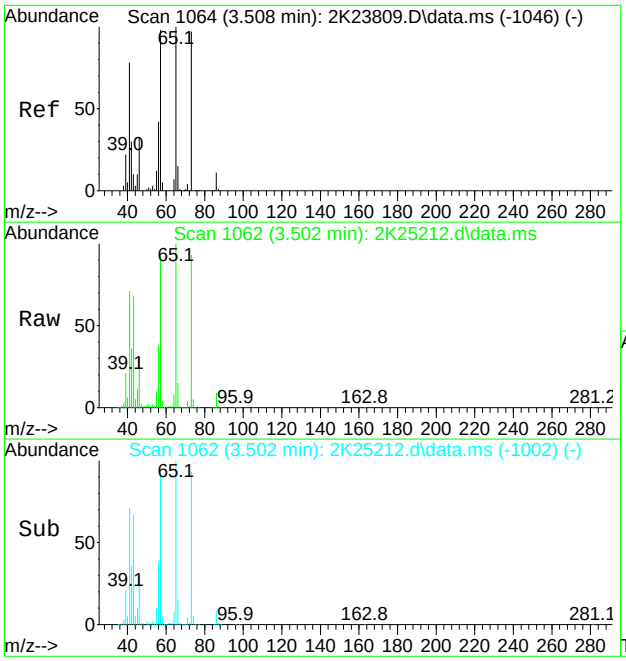


#25
trans-1,2-dichloroethene
Concen: 44.7665 ug/L
RT: 3.451 min Scan# 1046
Delta R.T. -0.006 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion: 96 Resp: 290083

Ion	Ratio	Lower	Upper
96	100		
61	155.9	132.8	192.8
98	63.6	34.2	94.2

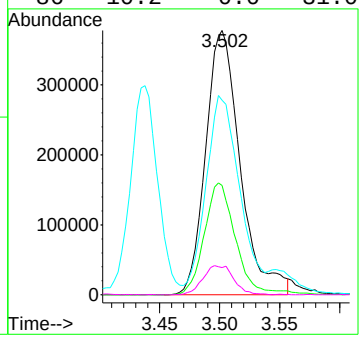


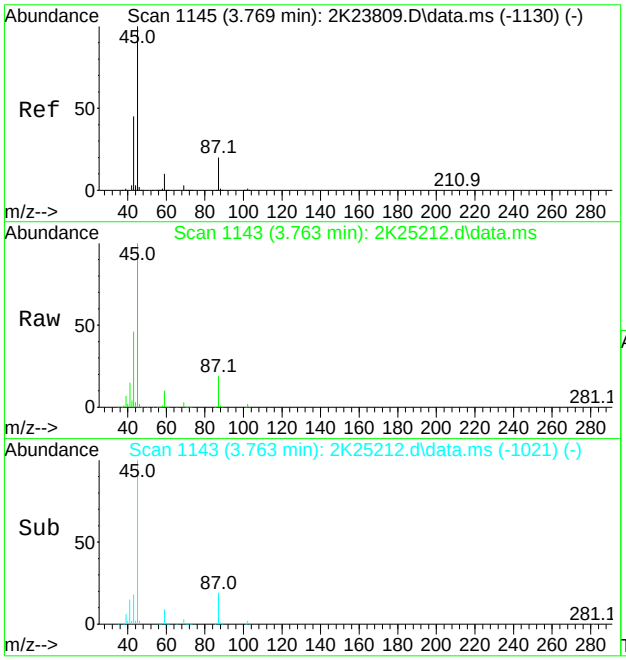


#26
hexane
Concen: 43.7672 ug/L
RT: 3.502 min Scan# 1062
Delta R.T. -0.006 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion: 57 Resp: 755670

Ion	Ratio	Lower	Upper
57	100		
56	41.4	22.5	62.5
43	66.1	45.1	85.1
86	10.2	0.0	31.0

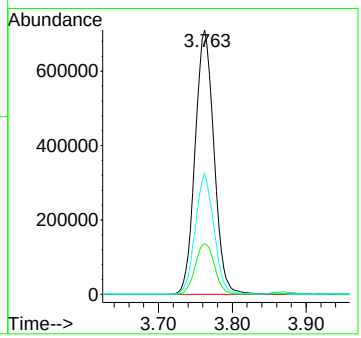


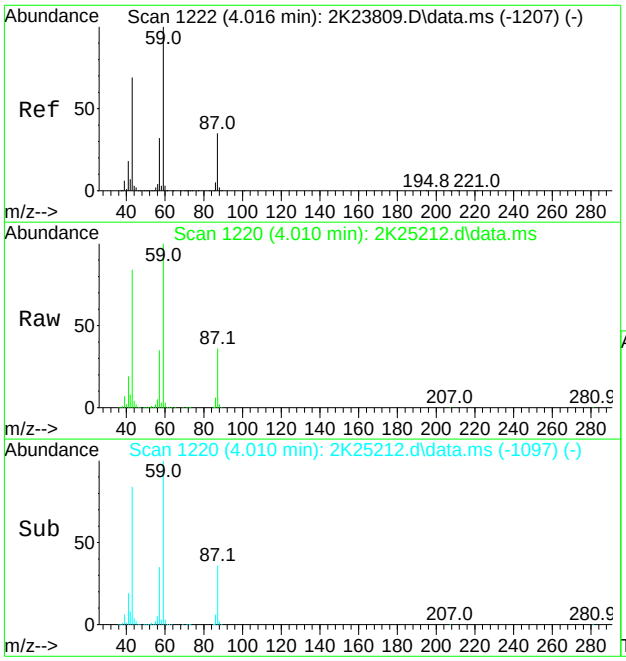


#27
di-isopropyl ether
Concen: 44.3501 ug/L
RT: 3.763 min Scan# 1143
Delta R.T. -0.006 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion: 45 Resp: 1265015

Ion	Ratio	Lower	Upper
45	100		
87	19.2	0.0	49.8
43	45.9	15.4	75.4

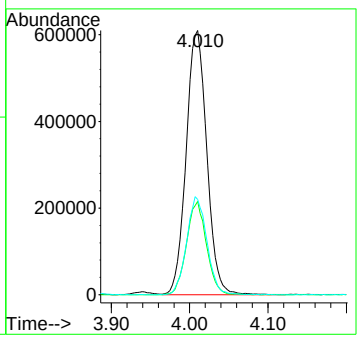


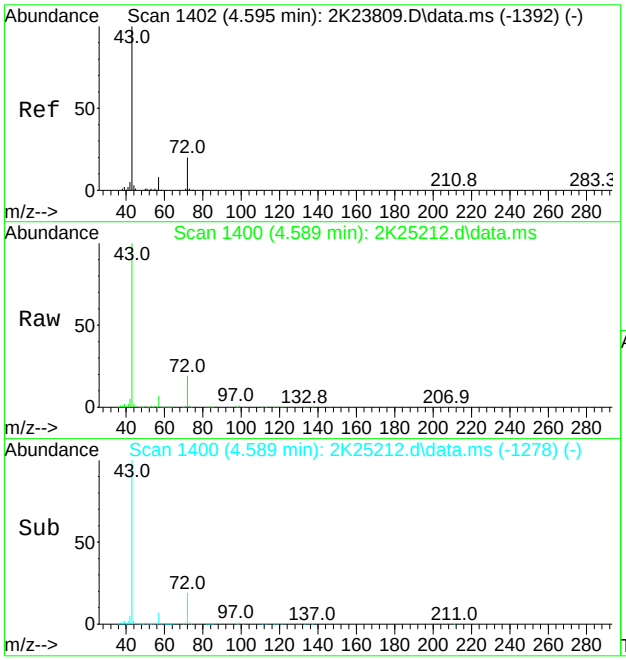


#28
ethyl tert-butyl ether
Concen: 43.6843 ug/L
RT: 4.010 min Scan# 1220
Delta R.T. -0.006 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion: 59 Resp: 1115569

Ion	Ratio	Lower	Upper
59	100		
57	35.3	1.6	61.6
87	36.1	5.2	65.2

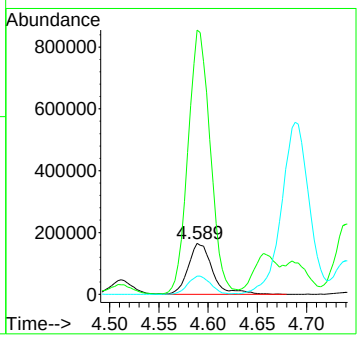


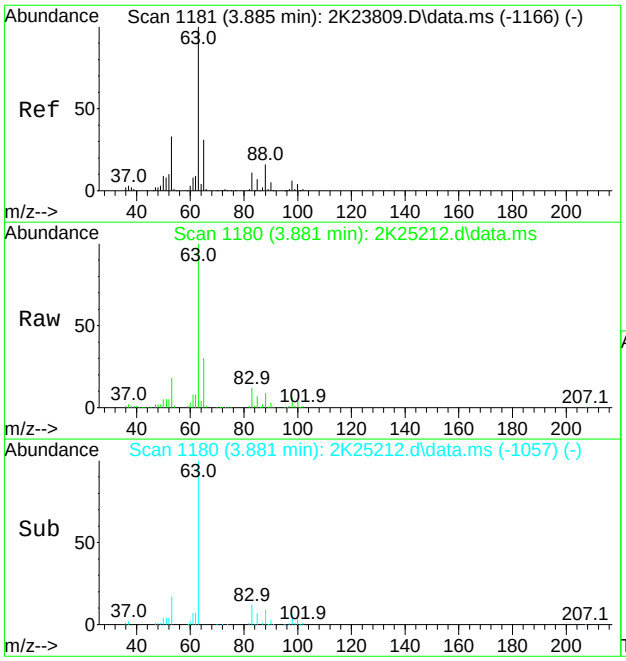


#29
2-butanone
Concen: 194.1356 ug/L
RT: 4.589 min Scan# 1400
Delta R.T. -0.006 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion: 72 Resp: 282427

Ion	Ratio	Lower	Upper
72	100		
43	518.1	461.8	521.8
57	36.1	7.0	67.0

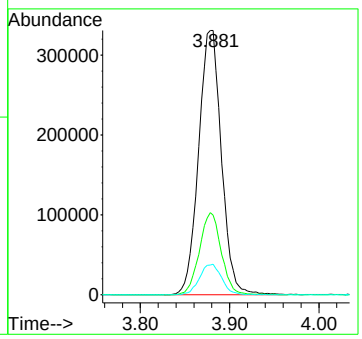


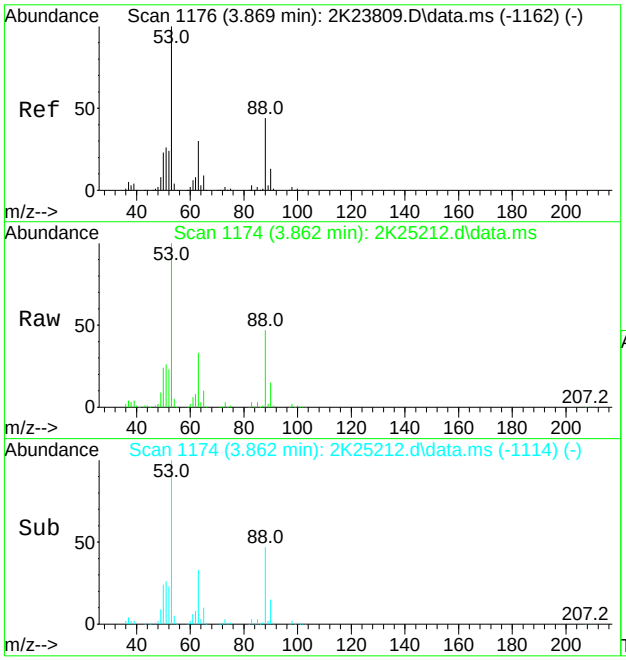


#30
1,1-dichloroethane
Concen: 44.3797 ug/L
RT: 3.881 min Scan# 1180
Delta R.T. -0.004 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion: 63 Resp: 587759

Ion	Ratio	Lower	Upper
63	100		
65	30.1	0.5	60.5
83	11.6	0.0	41.0

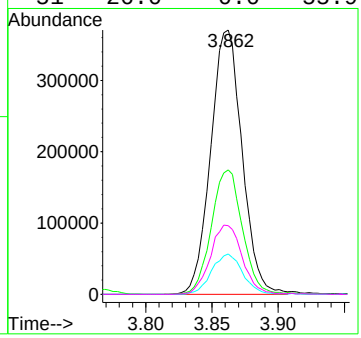


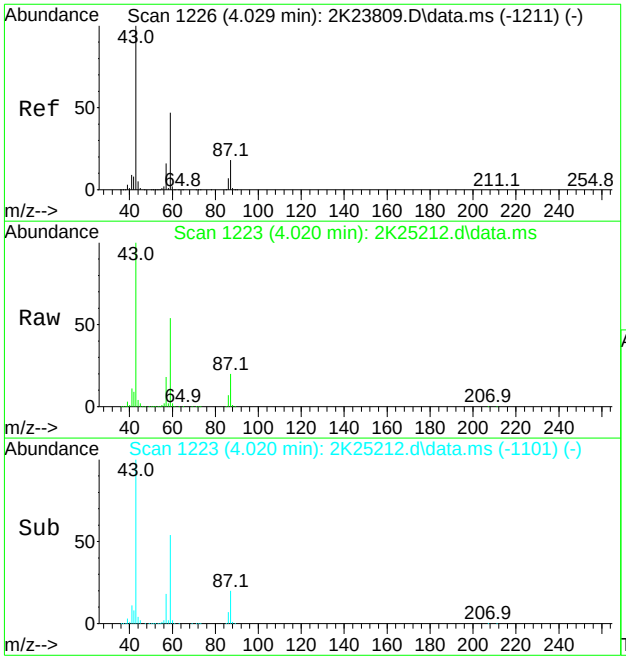


#31
chloroprene
Concen: 42.6628 ug/L
RT: 3.862 min Scan# 1174
Delta R.T. -0.007 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion: 53 Resp: 611339

Ion	Ratio	Lower	Upper
53	100		
88	47.1	14.2	74.2
90	15.2	0.0	42.9
51	26.0	0.0	55.9

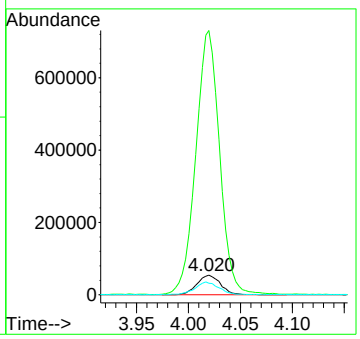


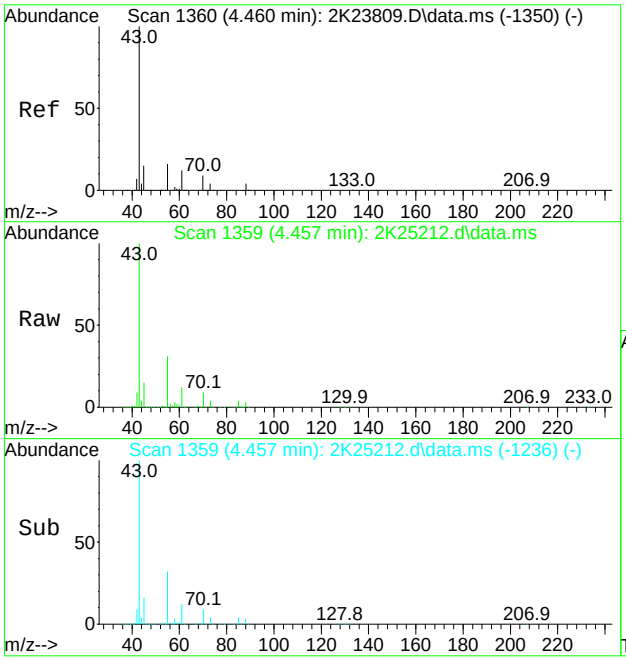


#33
vinyl acetate
Concen: 48.2541 ug/L
RT: 4.020 min Scan# 1223
Delta R.T. -0.009 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion: 86 Resp: 86021

Ion	Ratio	Lower	Upper
86	100		
43	1349.2	1321.8	1381.8
44	58.4	32.5	92.5

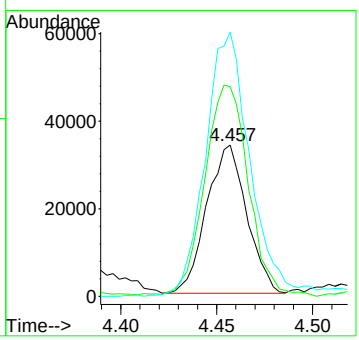


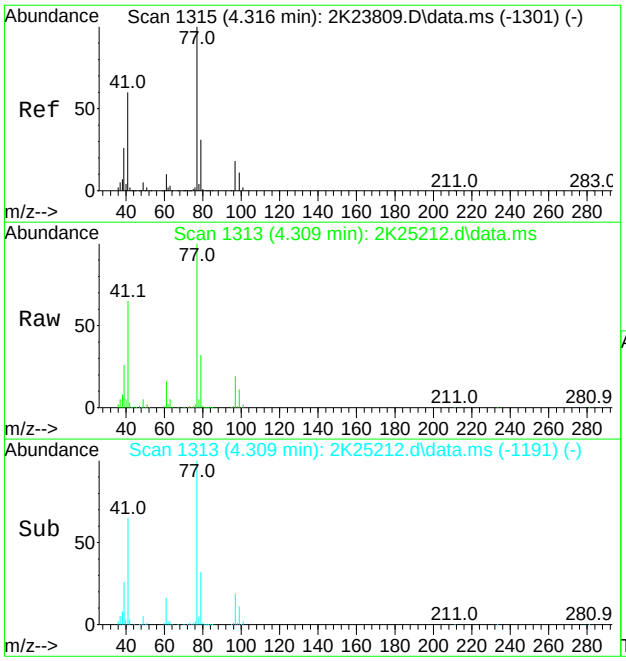


#34
ethyl acetate
Concen: 40.5741 ug/L
RT: 4.457 min Scan# 1359
Delta R.T. -0.003 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion: 70 Resp: 49087

Ion	Ratio	Lower	Upper
70	100		
61	140.1	105.6	165.6
45	177.2	135.3	195.3

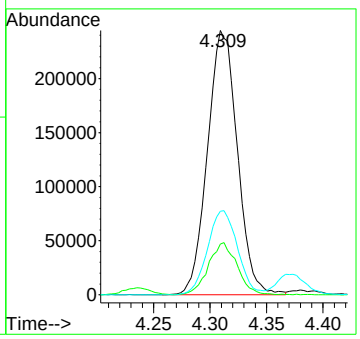


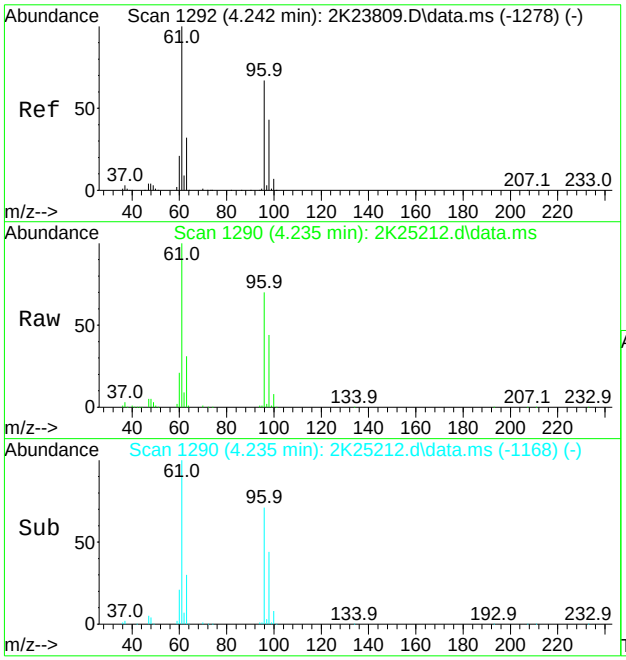


#35
2,2-dichloropropane
Concen: 42.5365 ug/L
RT: 4.309 min Scan# 1313
Delta R.T. -0.007 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion: 77 Resp: 449458

Ion	Ratio	Lower	Upper
77	100		
97	19.1	0.0	47.7
79	31.6	0.6	60.6

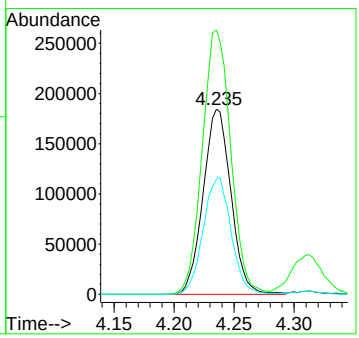


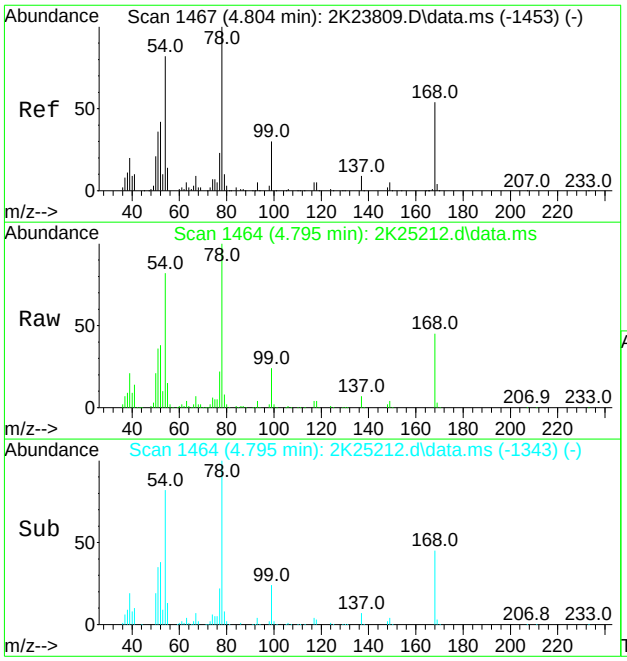


#36
cis-1,2-dichloroethene
Concen: 43.4931 ug/L
RT: 4.235 min Scan# 1290
Delta R.T. -0.007 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion: 96 Resp: 297465

Ion	Ratio	Lower	Upper
96	100		
61	142.8	118.2	178.2
98	62.3	34.3	94.3

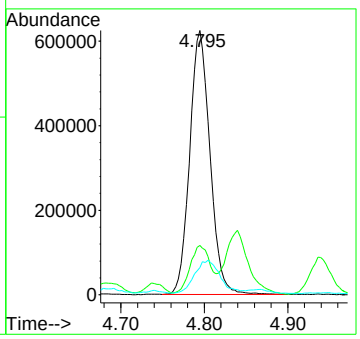


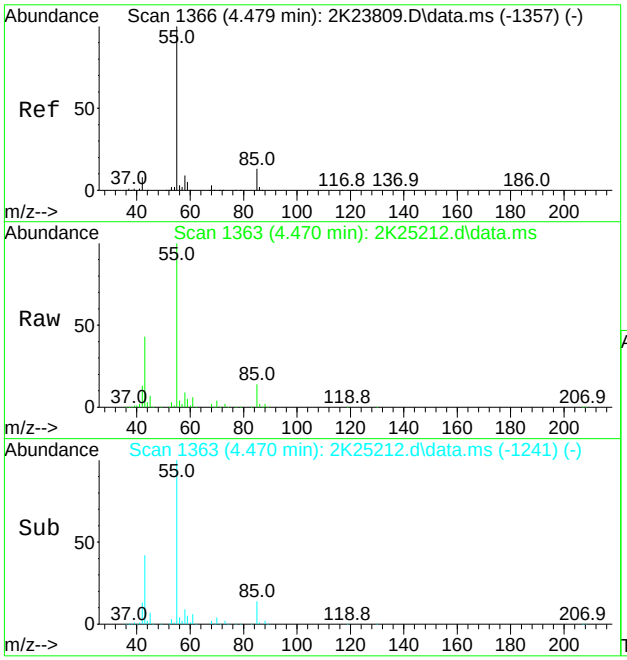


#37
propionitrile
Concen: 467.9750 ug/L
RT: 4.795 min Scan# 1464
Delta R.T. -0.009 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion: 54 Resp: 1054724

Ion	Ratio	Lower	Upper
54	100		
55	18.4	0.0	48.6
40	9.7	0.0	41.7

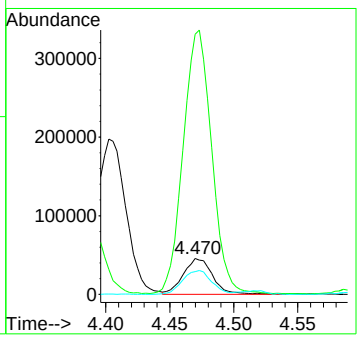


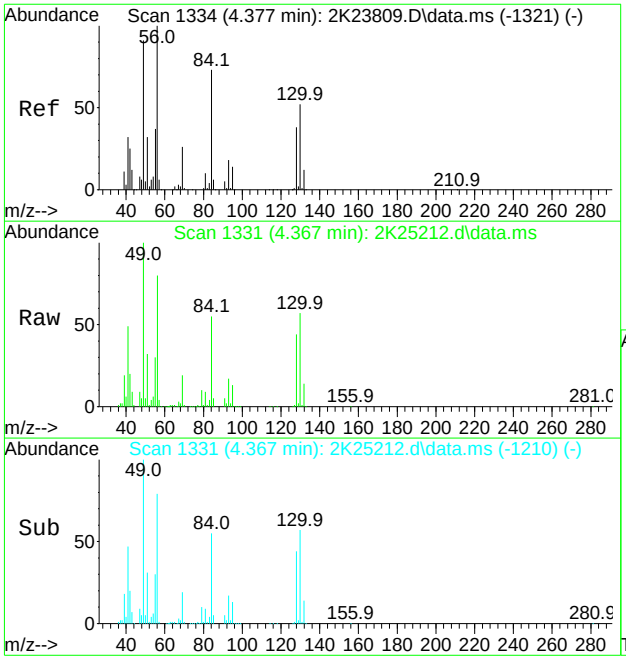


#38
methyl acrylate
Concen: 45.8765 ug/L
RT: 4.470 min Scan# 1363
Delta R.T. -0.009 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion: 85 Resp: 73268

Ion	Ratio	Lower	Upper
85	100		
55	730.6	726.6	766.6
58	64.0	49.4	89.4

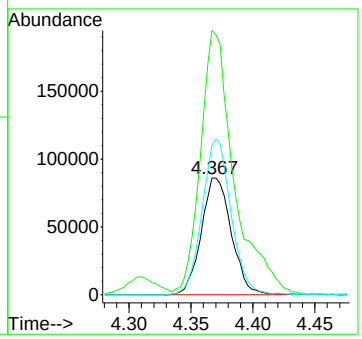


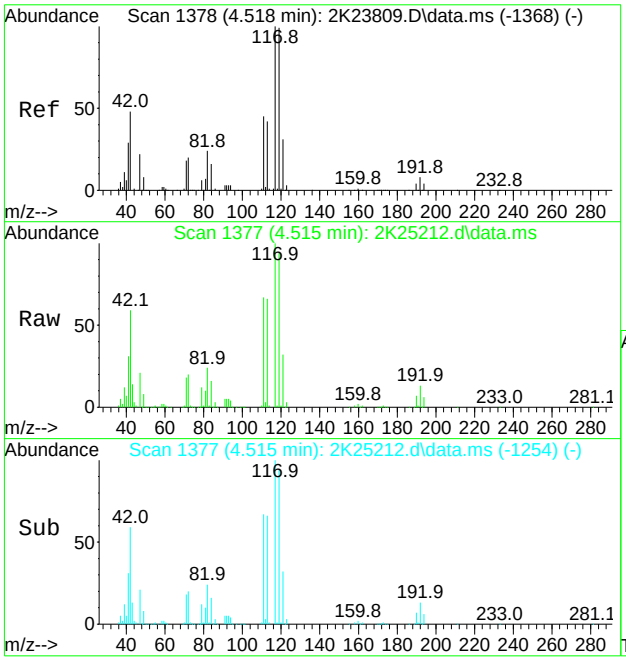


#39
bromochloromethane
Concen: 48.6652 ug/L
RT: 4.367 min Scan# 1331
Delta R.T. -0.010 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion:128 Resp: 145555

Ion	Ratio	Lower	Upper
128	100		
49	221.2	213.9	273.9
130	128.1	107.4	167.4

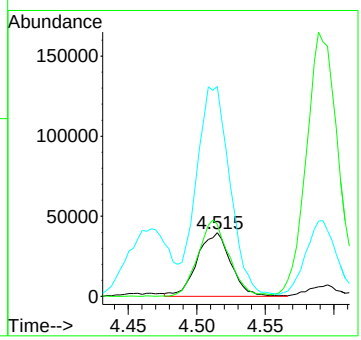


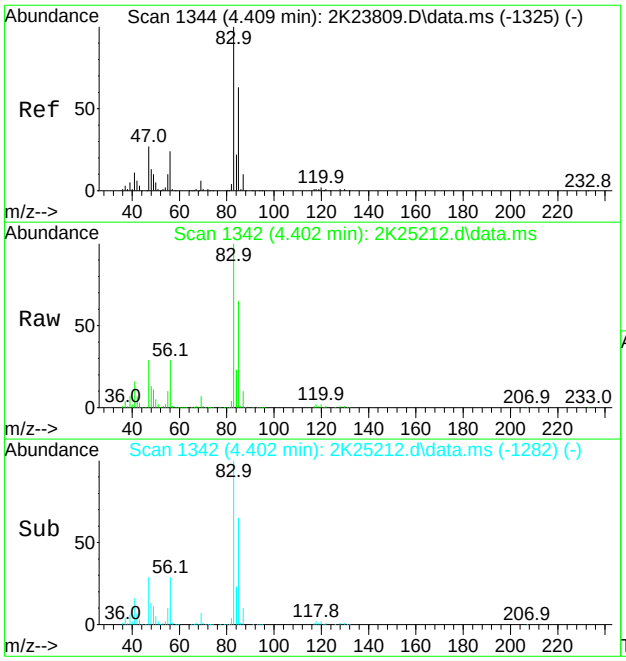


#40
tetrahydrofuran
Concen: 44.7790 ug/L
RT: 4.515 min Scan# 1377
Delta R.T. -0.003 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion: 71 Resp: 67293

Ion	Ratio	Lower	Upper
71	100		
72	113.6	75.2	135.2
42	325.1	288.0	348.0

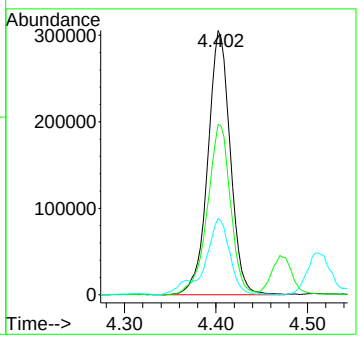


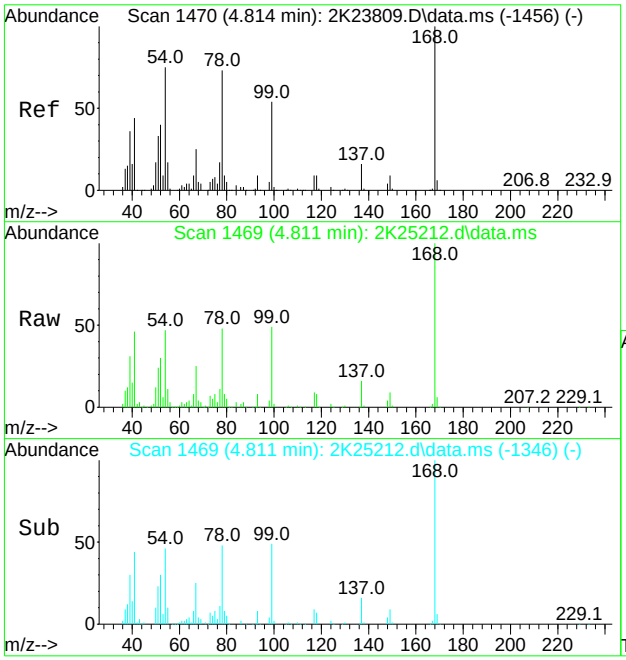


#41
chloroform
Concen: 41.7934 ug/L
RT: 4.402 min Scan# 1342
Delta R.T. -0.007 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion: 83 Resp: 521398

Ion	Ratio	Lower	Upper
83	100		
85	64.5	33.0	93.0
47	28.8	0.0	56.9

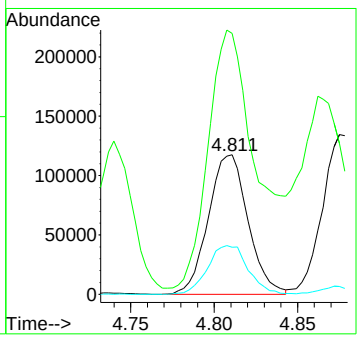


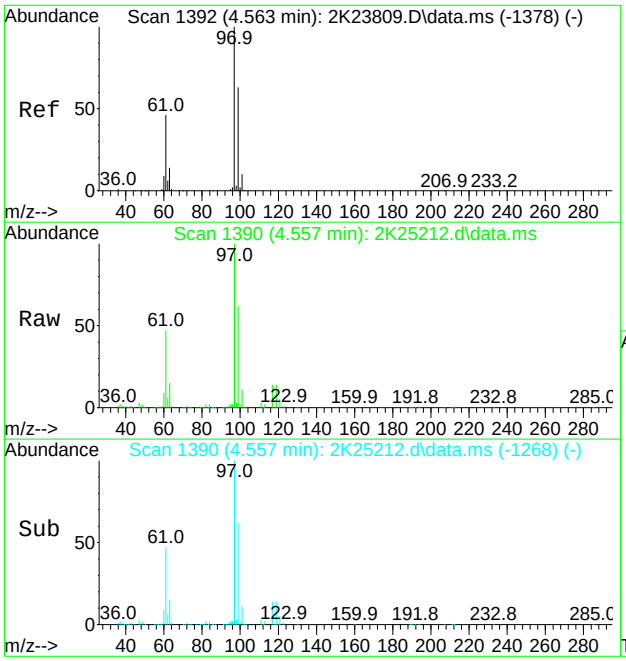


#43
methacrylonitrile
Concen: 43.2051 ug/L
RT: 4.811 min Scan# 1469
Delta R.T. -0.003 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion: 67 Resp: 194230

Ion	Ratio	Lower	Upper
67	100		
41	182.5	145.5	205.5
66	33.7	4.7	64.7

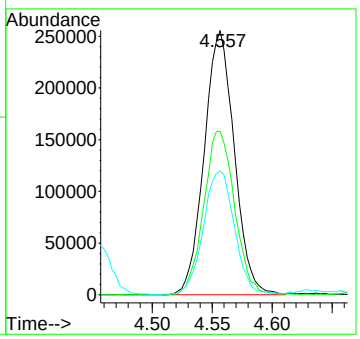


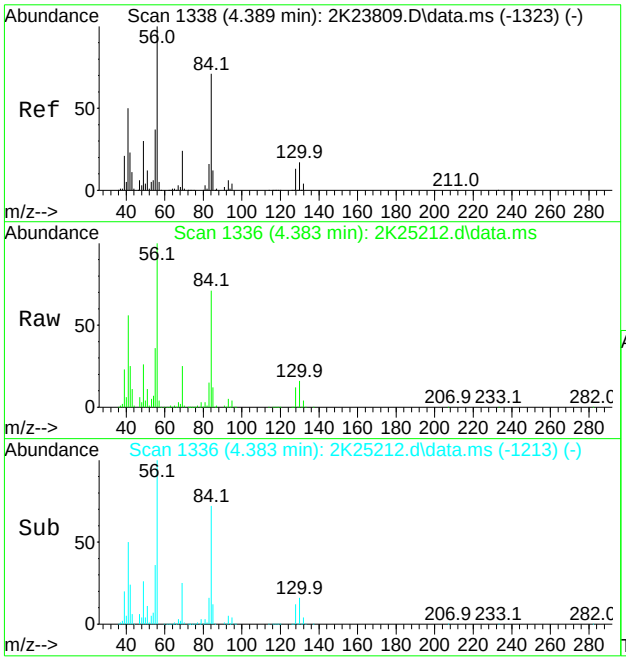


#44
1,1,1-trichloroethane
Concen: 41.8079 ug/L
RT: 4.557 min Scan# 1390
Delta R.T. -0.006 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion: 97 Resp: 446040

Ion	Ratio	Lower	Upper
97	100		
99	61.9	32.8	92.8
61	46.7	16.5	76.5

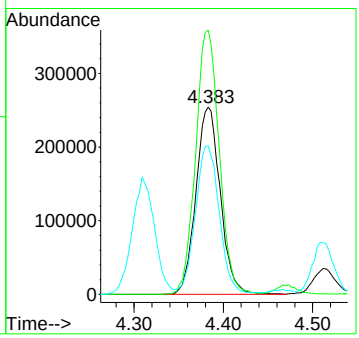


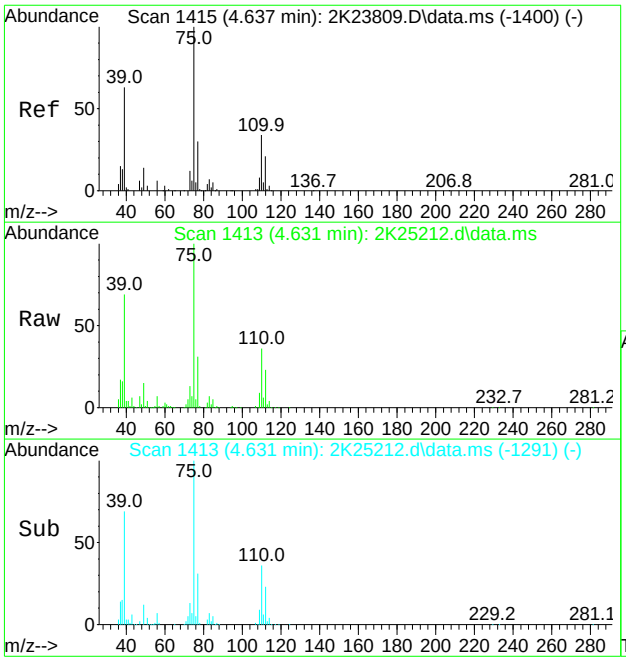


#45
cyclohexane
Concen: 50.3298 ug/L
RT: 4.383 min Scan# 1336
Delta R.T. -0.006 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion: 84 Resp: 482173

Ion	Ratio	Lower	Upper
84	100		
56	141.2	120.0	160.0
41	77.4	58.4	98.4

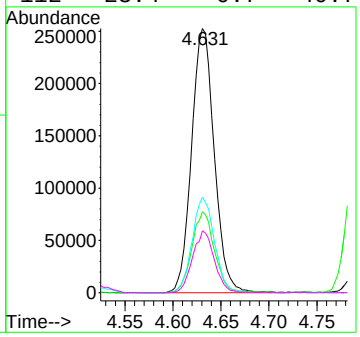


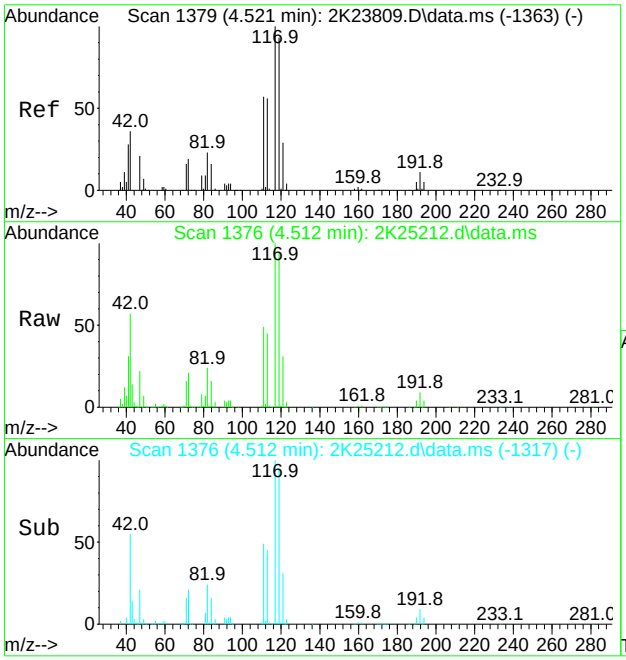


#46
1,1-dichloropropene
Concen: 44.6934 ug/L
RT: 4.631 min Scan# 1413
Delta R.T. -0.006 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion: 75 Resp: 416570

Ion	Ratio	Lower	Upper
75	100		
77	30.7	10.5	50.5
110	36.2	14.4	54.4
112	23.4	0.7	40.7

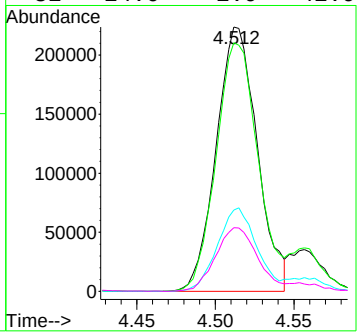


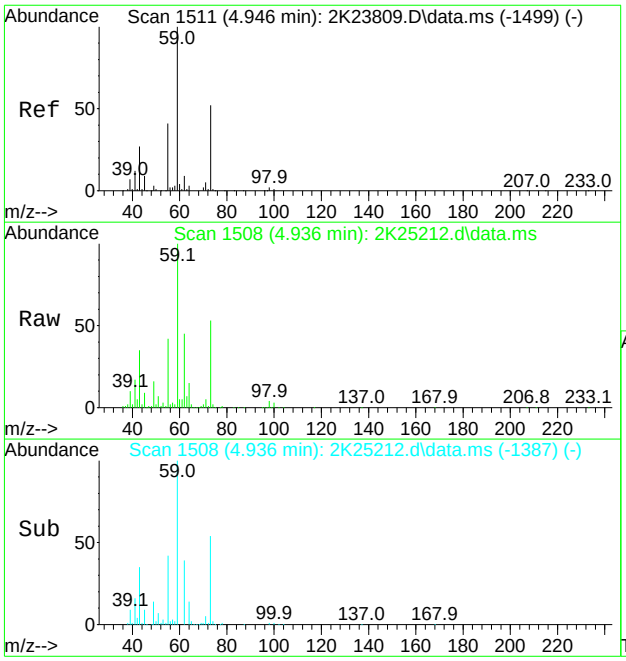


#47
carbon tetrachloride
Concen: 41.7078 ug/L m
RT: 4.512 min Scan# 1376
Delta R.T. -0.009 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion:117 Resp: 405360

Ion	Ratio	Lower	Upper
117	100		
119	94.1	72.9	112.9
121	30.8	9.2	49.2
82	24.0	2.9	42.9

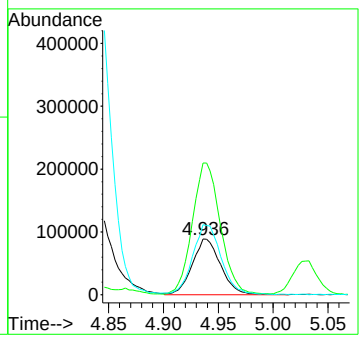


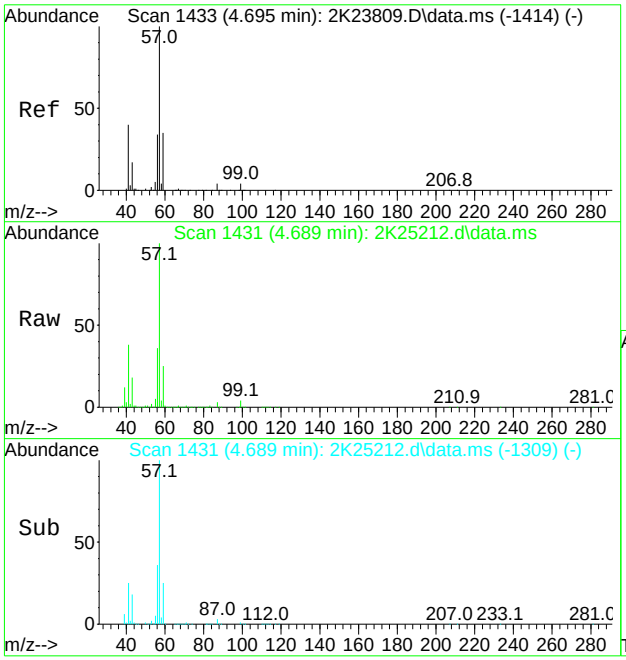


#49
tert-amyl alcohol
Concen: 218.9863 ug/L
RT: 4.936 min Scan# 1508
Delta R.T. -0.010 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion: 55 Resp: 159546

Ion	Ratio	Lower	Upper
55	100		
59	235.4	218.4	258.4
73	125.4	106.6	146.6

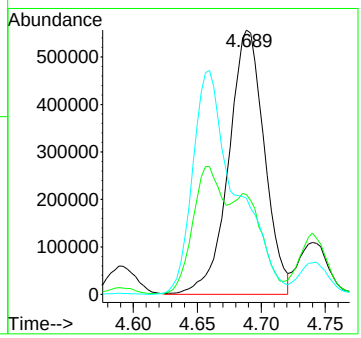


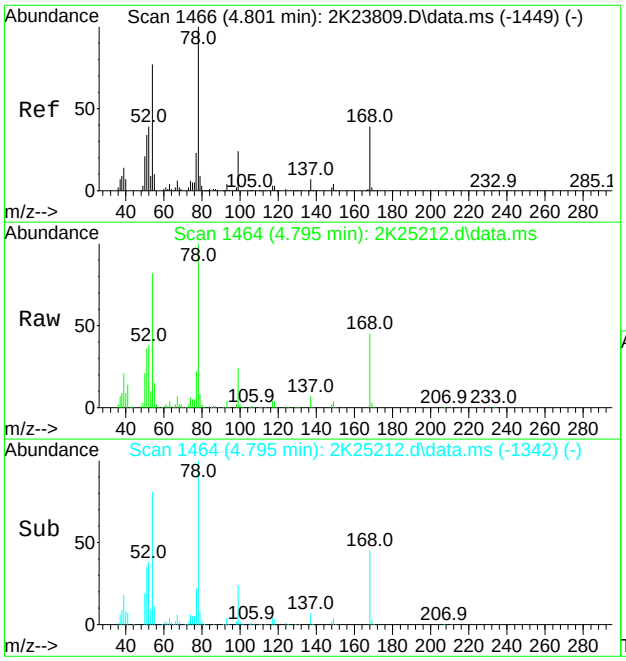


#52
iso-octane
Concen: 40.4502 ug/L
RT: 4.689 min Scan# 1431
Delta R.T. -0.006 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion: 57 Resp: 1079971

Ion	Ratio	Lower	Upper
57	100		
41	37.5	19.7	59.7
56	35.9	14.3	54.3

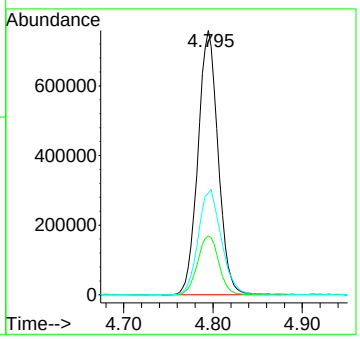


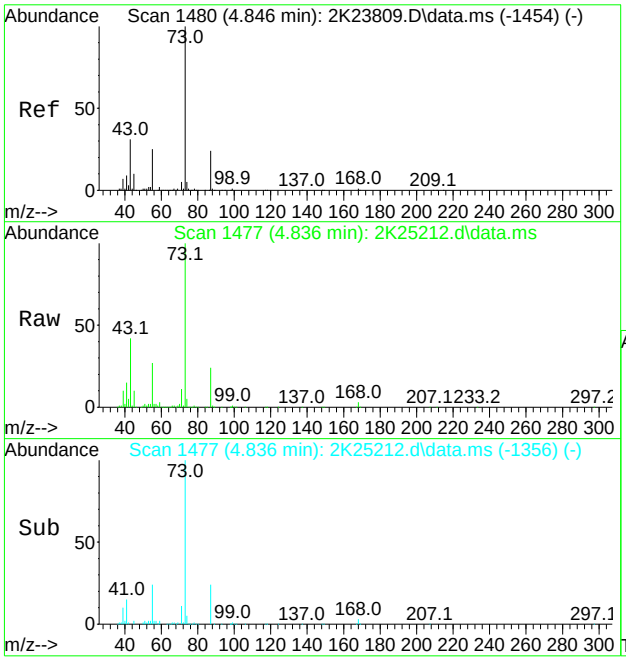


#53
benzene
Concen: 44.6177 ug/L
RT: 4.795 min Scan# 1464
Delta R.T. -0.006 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion: 78 Resp: 1190138

Ion	Ratio	Lower	Upper
78	100		
77	22.2	0.0	53.5
52	38.3	8.9	68.9

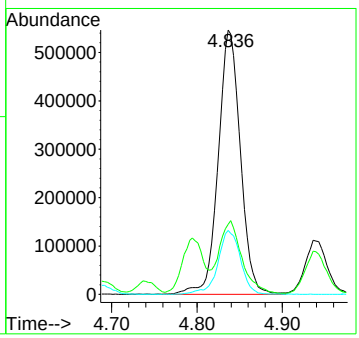


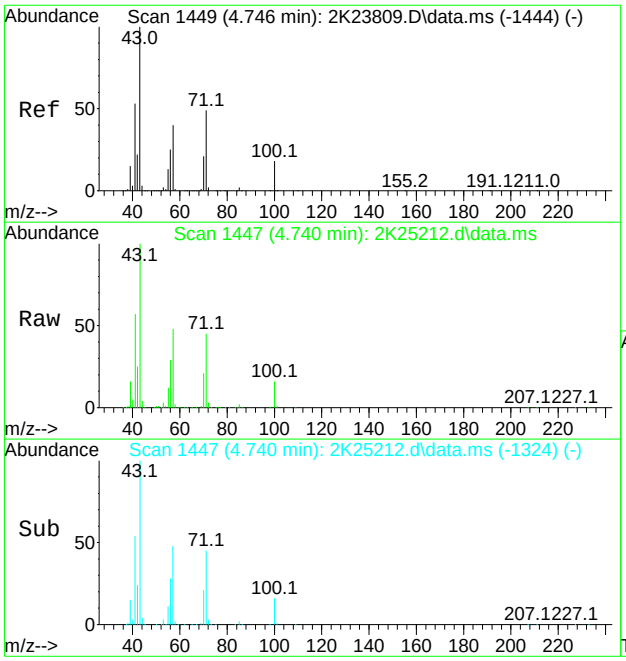


#54
tert-amyl methyl ether
Concen: 43.4980 ug/L
RT: 4.836 min Scan# 1477
Delta R.T. -0.010 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion: 73 Resp: 985505

Ion	Ratio	Lower	Upper
73	100		
55	26.1	6.1	46.1
87	24.2	4.3	44.3

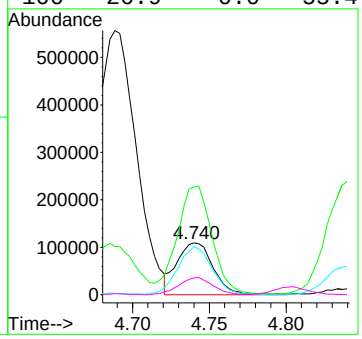


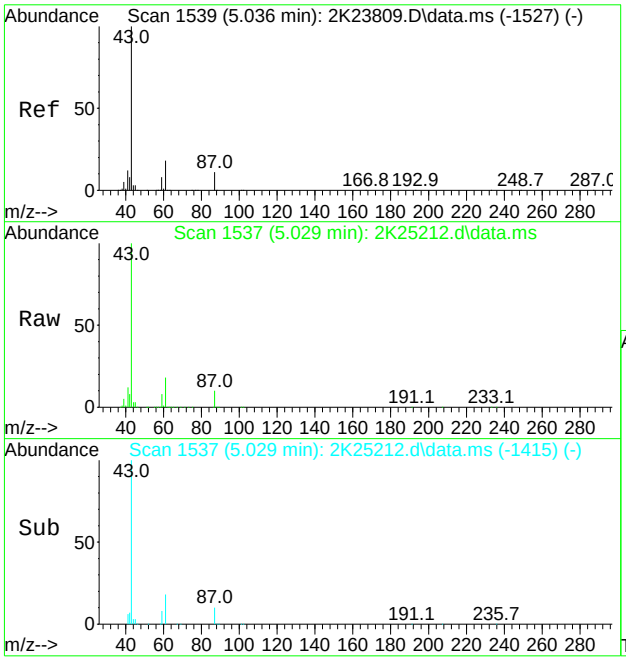


#55
heptane
Concen: 46.3677 ug/L
RT: 4.740 min Scan# 1447
Delta R.T. -0.006 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion: 57 Resp: 180361

Ion	Ratio	Lower	Upper
57	100		
43	207.4	171.2	231.2
71	92.9	63.1	123.1
100	26.9	0.0	55.4

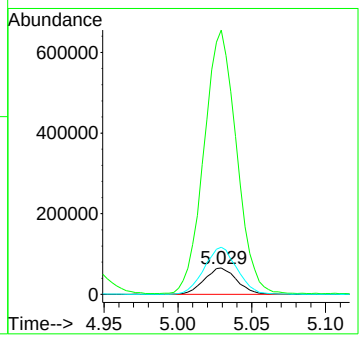


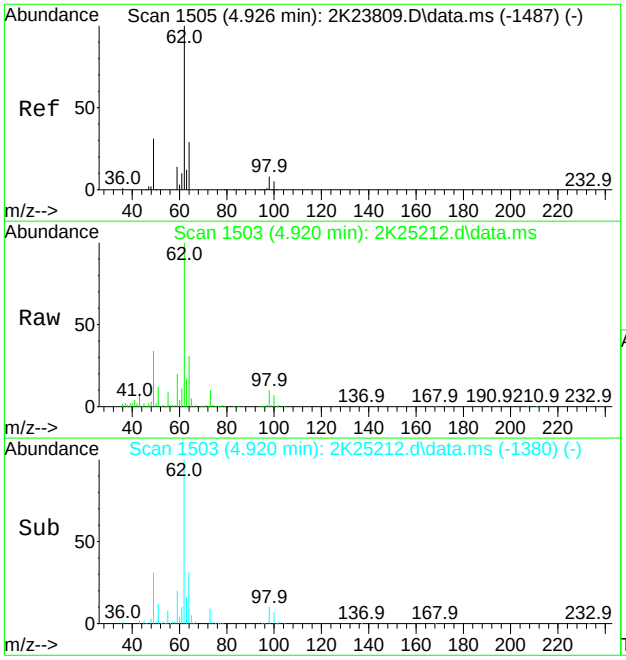


#56
isopropyl acetate
Concen: 45.9789 ug/L
RT: 5.029 min Scan# 1537
Delta R.T. -0.007 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion: 87 Resp: 100376

Ion	Ratio	Lower	Upper
87	100		
43	992.6	917.6	977.6#
61	177.9	137.7	197.7

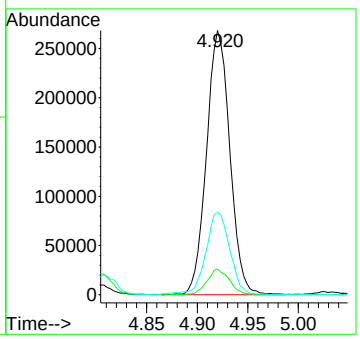


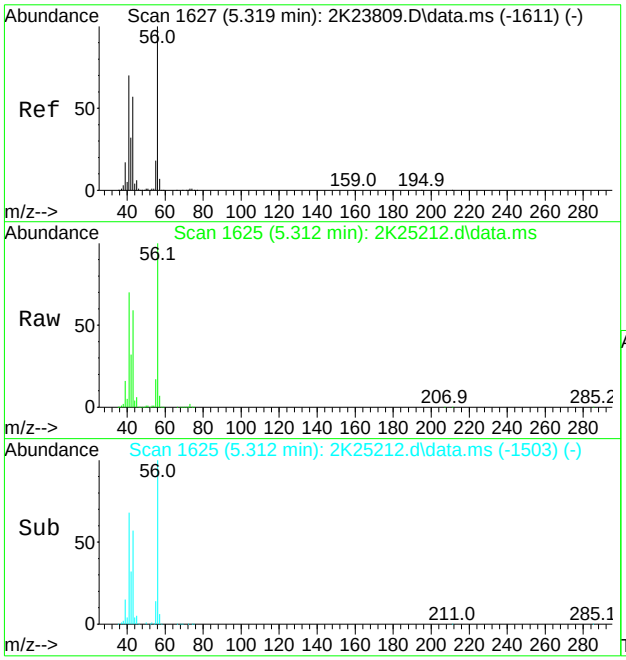


#57
1,2-dichloroethane
Concen: 40.2124 ug/L
RT: 4.920 min Scan# 1503
Delta R.T. -0.006 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion: 62 Resp: 431303

Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	38.3
64	31.1	0.0	59.6

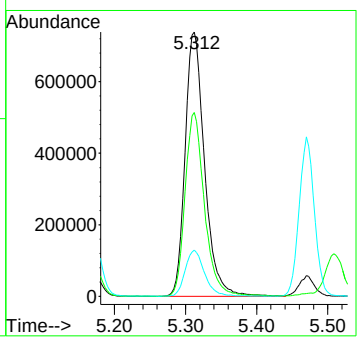


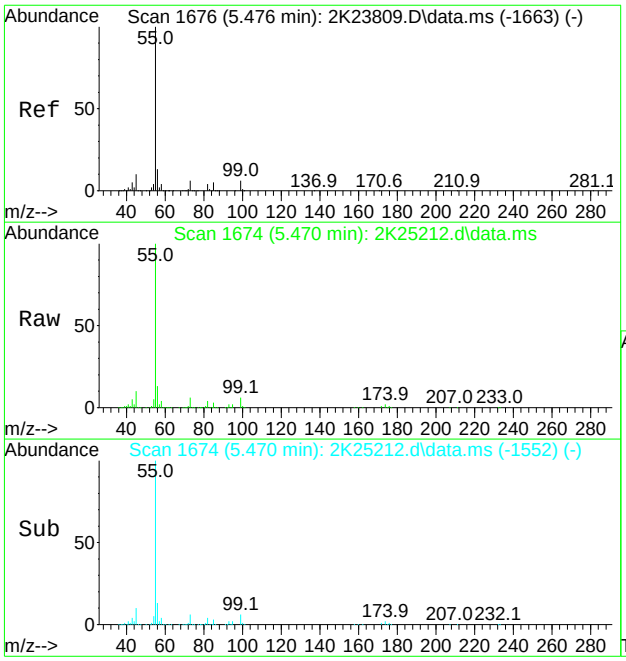


#58
n-butyl alcohol
Concen: 2370.8637 ug/L
RT: 5.312 min Scan# 1625
Delta R.T. -0.007 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion: 56 Resp: 1407133

Ion	Ratio	Lower	Upper
56	100		
41	69.5	50.4	90.4
55	17.4	0.0	37.7

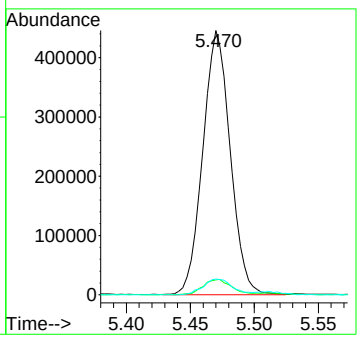


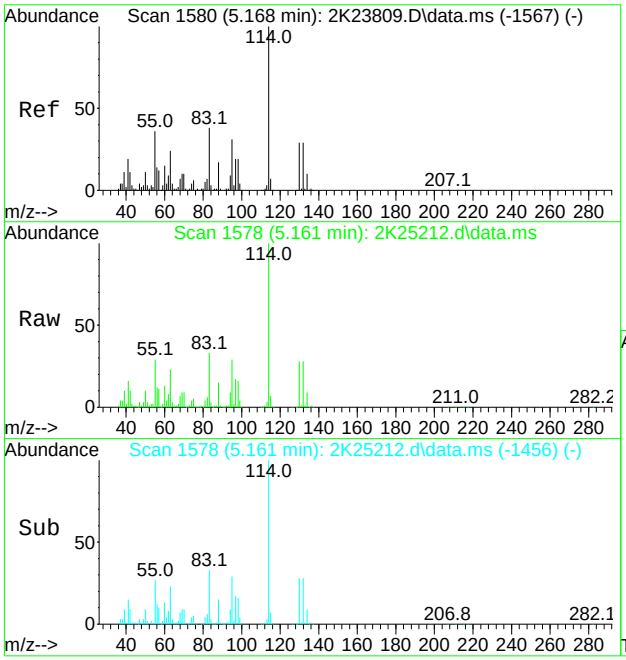


#59
ethyl acrylate
Concen: 45.5868 ug/L
RT: 5.470 min Scan# 1674
Delta R.T. -0.006 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion: 55 Resp: 665529

Ion	Ratio	Lower	Upper
55	100		
73	5.5	0.0	36.2
99	6.0	0.0	36.0

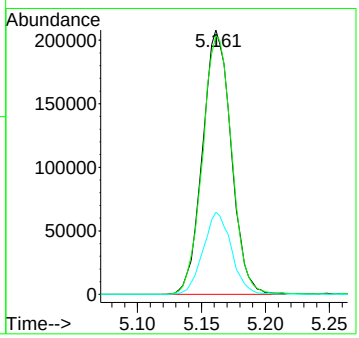


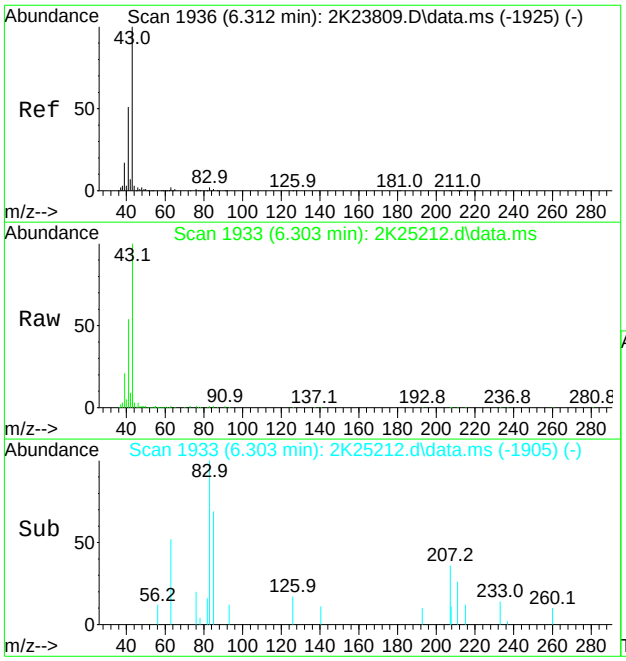


#60
trichloroethene
Concen: 49.9897 ug/L
RT: 5.161 min Scan# 1578
Delta R.T. -0.007 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion:130 Resp: 325040

Ion	Ratio	Lower	Upper
130	100		
132	97.8	70.8	130.8
134	31.0	4.2	64.2

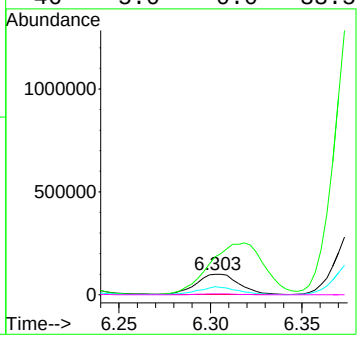


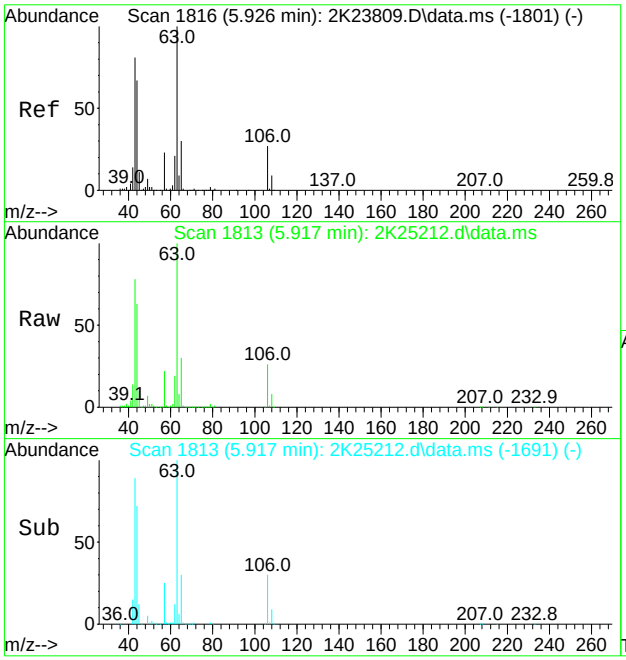


#61
2-nitropropane
Concen: 41.5826 ug/L
RT: 6.303 min Scan# 1933
Delta R.T. -0.009 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion: 41 Resp: 158962

Ion	Ratio	Lower	Upper
41	100		
43	184.1	163.8	223.8
39	39.2	4.1	64.1
46	5.0	0.0	33.5

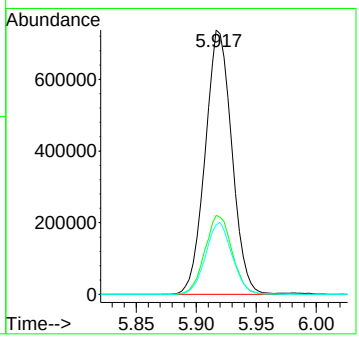


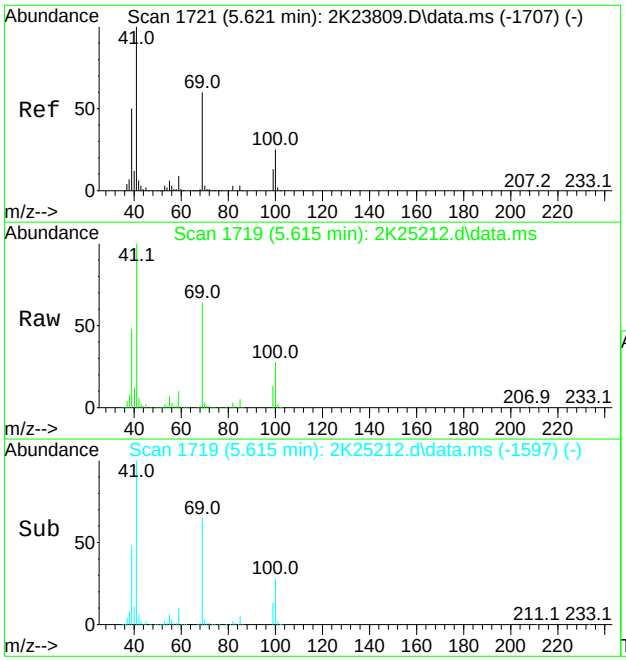


#62
2-chloroethyl vinyl ether
Concen: 228.3076 ug/L
RT: 5.917 min Scan# 1813
Delta R.T. -0.009 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion: 63 Resp: 1140459

Ion	Ratio	Lower	Upper
63	100		
65	30.0	0.3	60.3
106	26.3	0.0	57.1

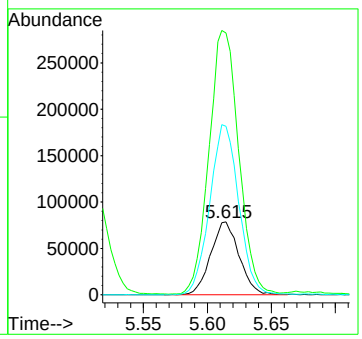


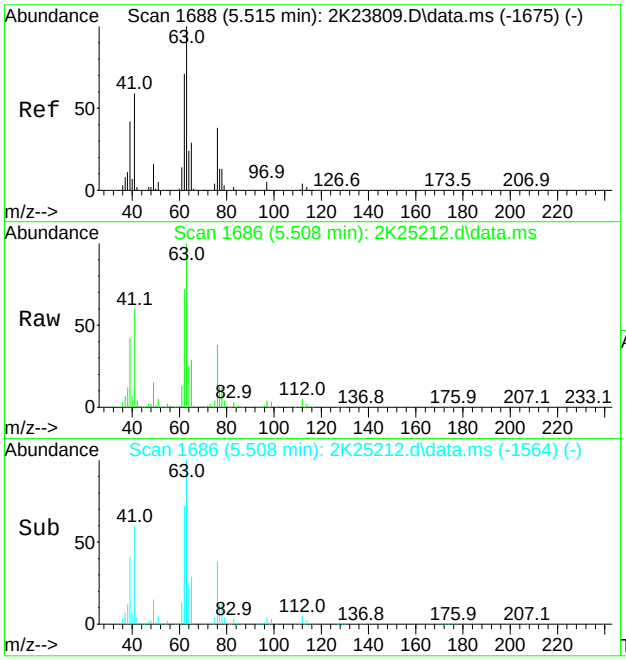


#63
methyl methacrylate
Concen: 48.0142 ug/L
RT: 5.615 min Scan# 1719
Delta R.T. -0.006 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion:100 Resp: 121711

Ion	Ratio	Lower	Upper
100	100		
41	357.7	374.3	434.3#
69	231.1	214.3	274.3

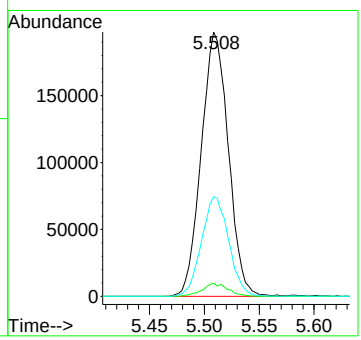


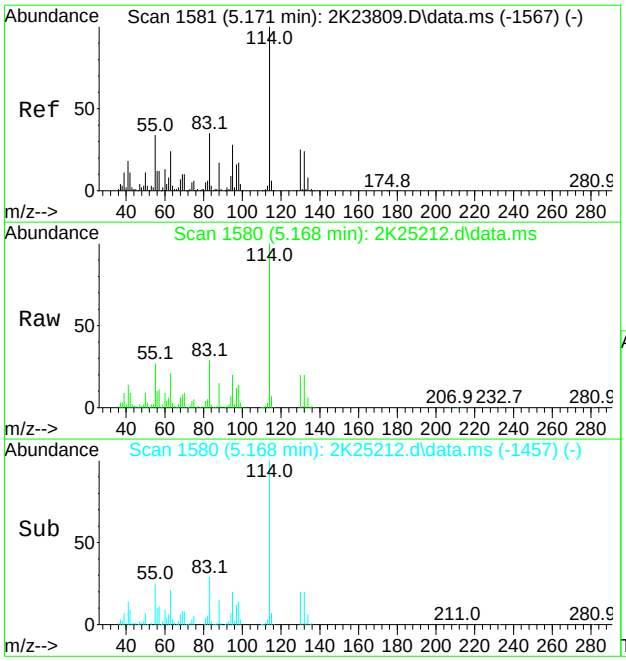


#64
1,2-dichloropropane
Concen: 45.6972 ug/L
RT: 5.508 min Scan# 1686
Delta R.T. -0.007 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion: 63 Resp: 339927

Ion	Ratio	Lower	Upper
63	100		
112	5.0	0.0	33.7
76	37.8	7.9	67.9

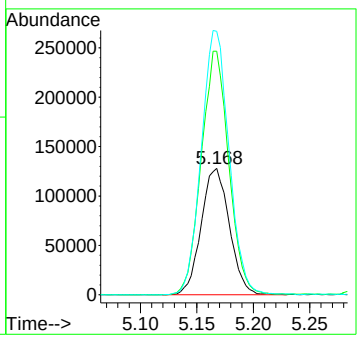


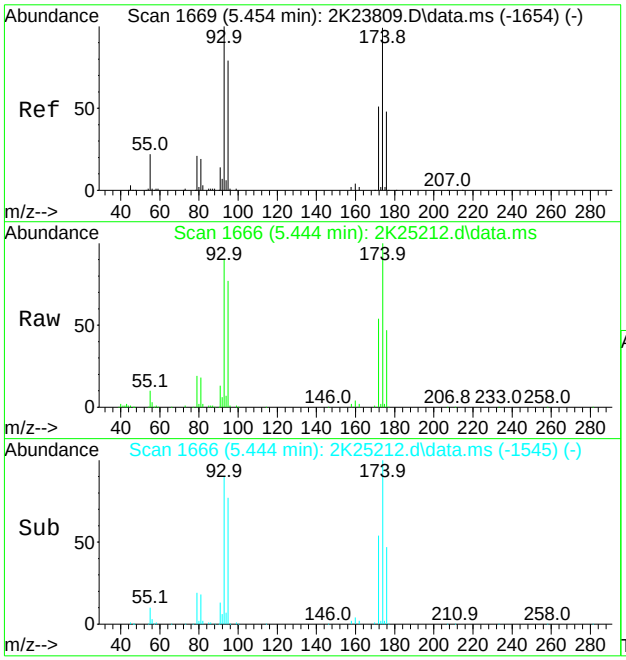


#65
methylcyclohexane
Concen: 46.9014 ug/L
RT: 5.168 min Scan# 1580
Delta R.T. -0.003 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion: 98 Resp: 222574

Ion	Ratio	Lower	Upper
98	100		
55	192.1	173.8	233.8
83	208.1	181.7	241.7

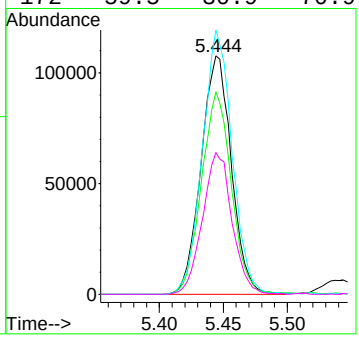


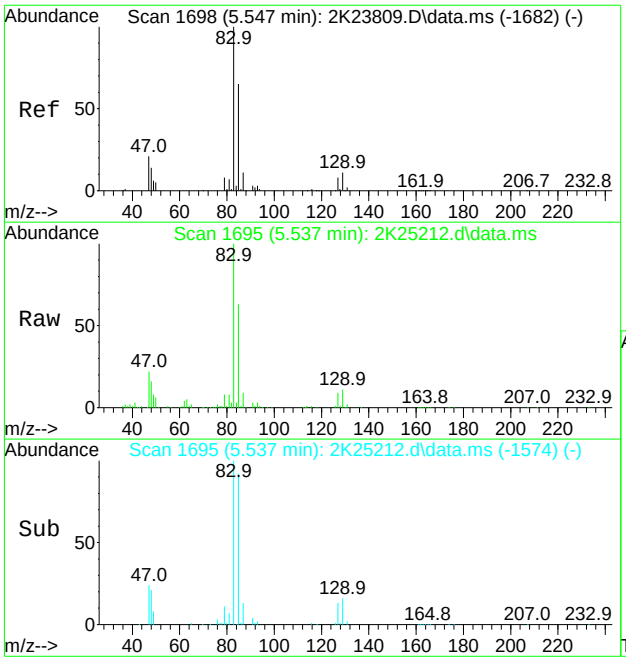


#66
dibromomethane
Concen: 43.1380 ug/L
RT: 5.444 min Scan# 1666
Delta R.T. -0.010 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion: 93 Resp: 178109

Ion	Ratio	Lower	Upper
93	100		
95	85.0	49.5	109.5
174	110.9	68.7	128.7
172	59.5	30.9	70.9

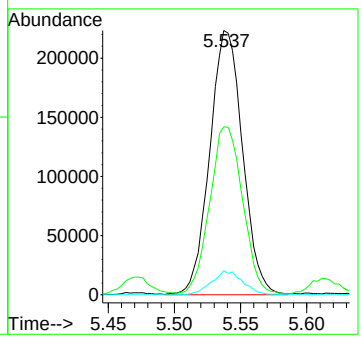


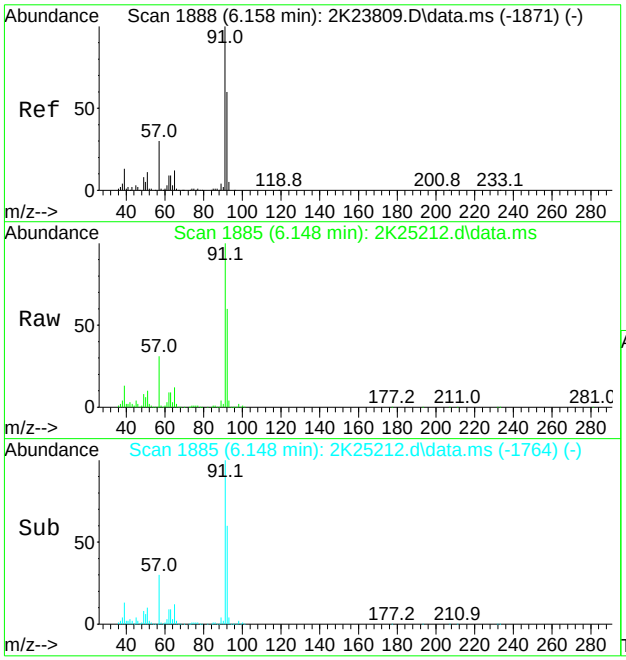


#67
bromodichloromethane
Concen: 43.1674 ug/L
RT: 5.537 min Scan# 1695
Delta R.T. -0.010 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion: 83 Resp: 384432

Ion	Ratio	Lower	Upper
83	100		
85	63.2	36.5	96.5
127	9.1	0.0	37.8

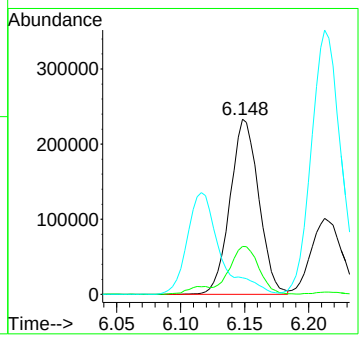


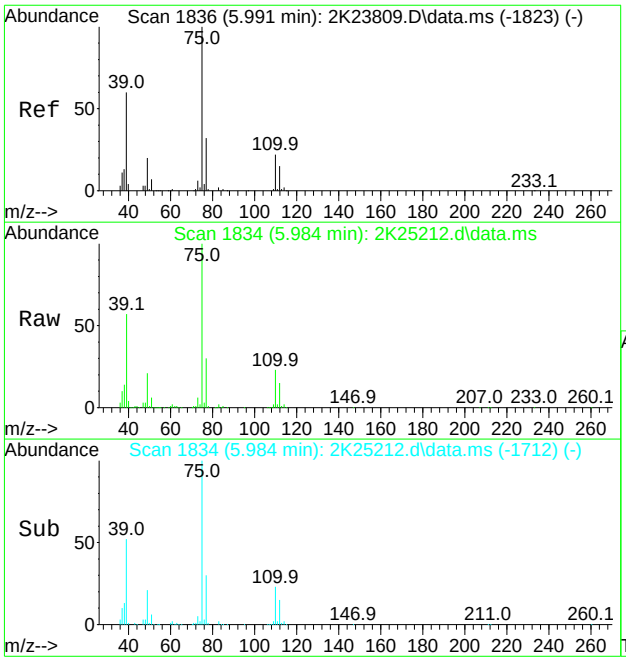


#68
epichlorohydrin
Concen: 219.9298 ug/L
RT: 6.148 min Scan# 1885
Delta R.T. -0.010 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion: 57 Resp: 363054

Ion	Ratio	Lower	Upper
57	100		
49	27.2	7.1	47.1
42	8.3	0.0	27.5

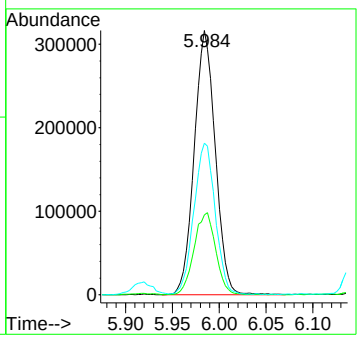


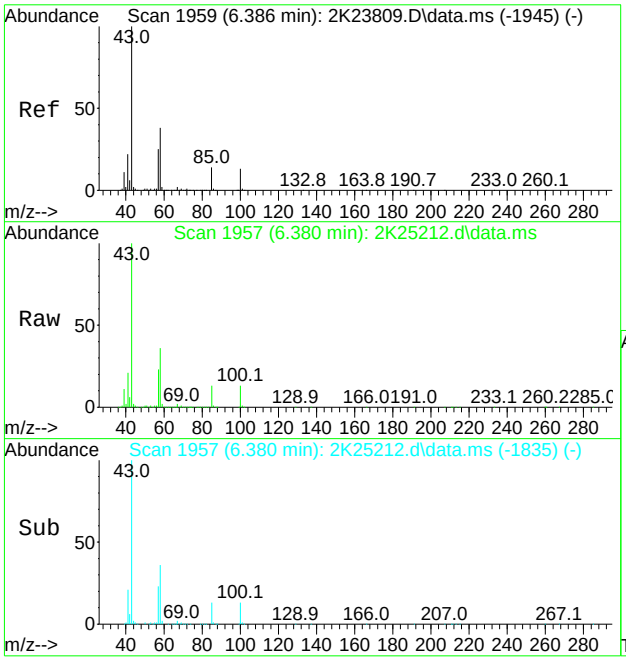


#69
cis-1,3-dichloropropene
Concen: 43.5950 ug/L
RT: 5.984 min Scan# 1834
Delta R.T. -0.007 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion: 75 Resp: 495286

Ion	Ratio	Lower	Upper
75	100		
77	30.3	2.1	62.1
39	57.2	30.1	90.1

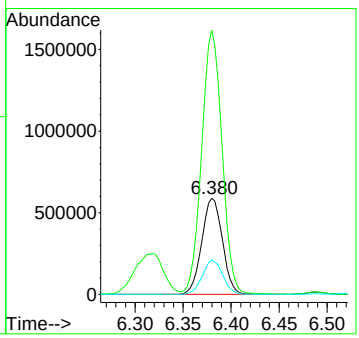


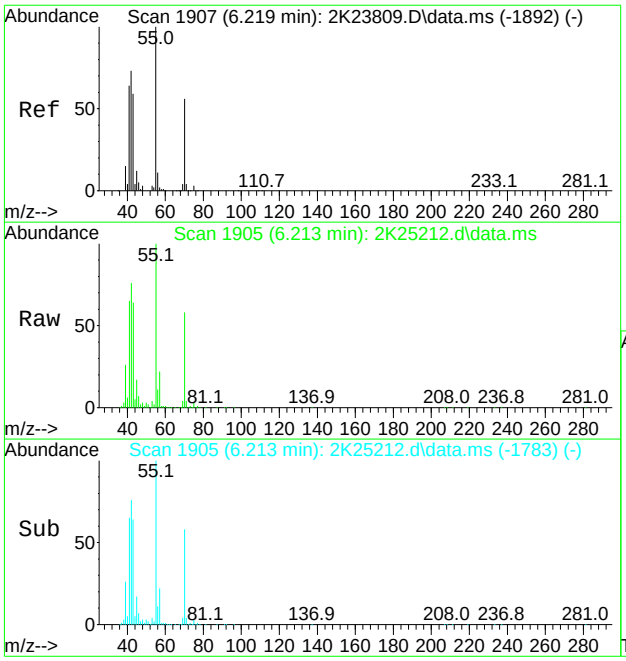


#70
4-methyl-2-pentanone
Concen: 181.9672 ug/L
RT: 6.380 min Scan# 1957
Delta R.T. -0.006 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion: 58 Resp: 882433

Ion	Ratio	Lower	Upper
58	100		
43	274.9	244.4	304.4
100	36.3	4.8	64.8

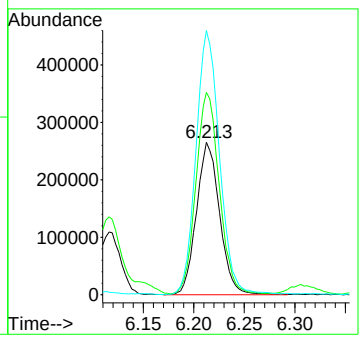


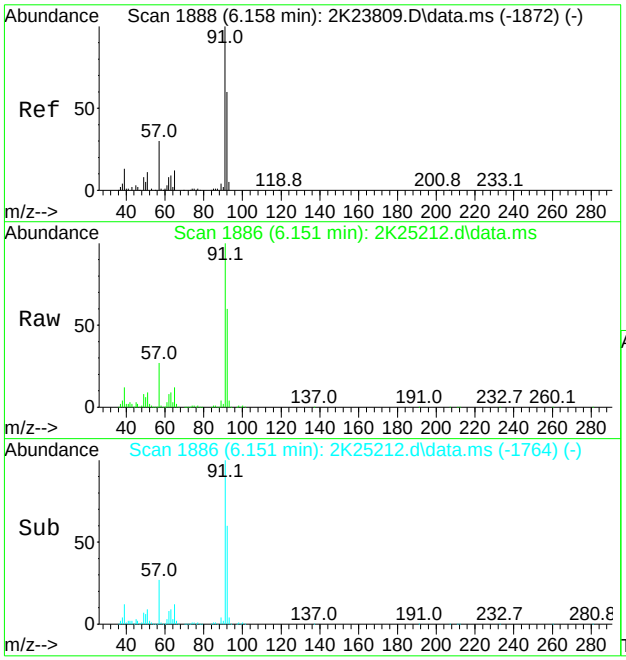


#71
3-methyl-1-butanol
Concen: 919.4904 ug/L
RT: 6.213 min Scan# 1905
Delta R.T. -0.006 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion: 70 Resp: 424464

Ion	Ratio	Lower	Upper
70	100		
42	131.5	100.5	160.5
55	173.3	148.8	208.8

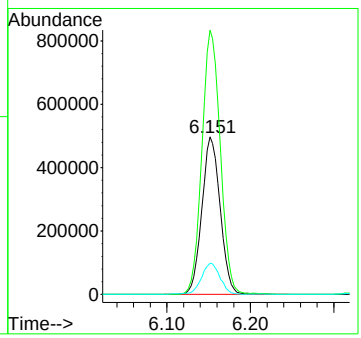


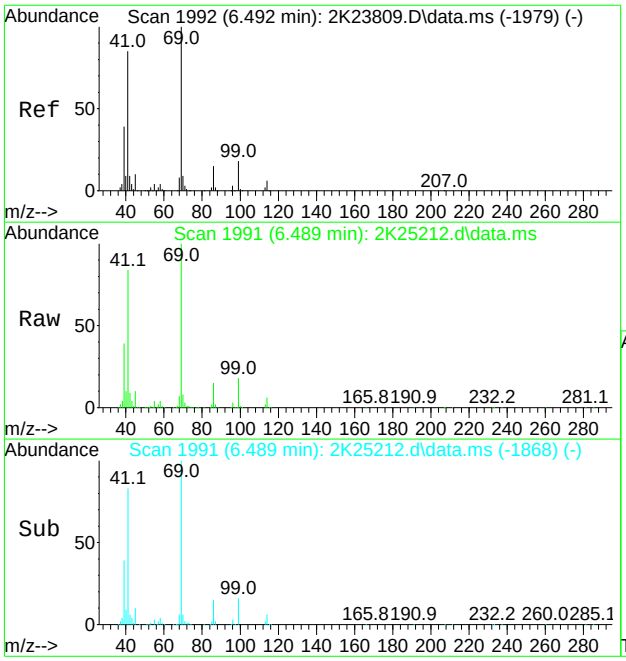


#74
toluene
Concen: 45.5579 ug/L
RT: 6.151 min Scan# 1886
Delta R.T. -0.007 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion: 92 Resp: 755277

Ion	Ratio	Lower	Upper
92	100		
91	167.8	145.9	185.9
65	19.8	0.5	40.5

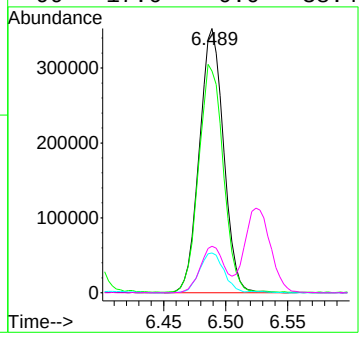


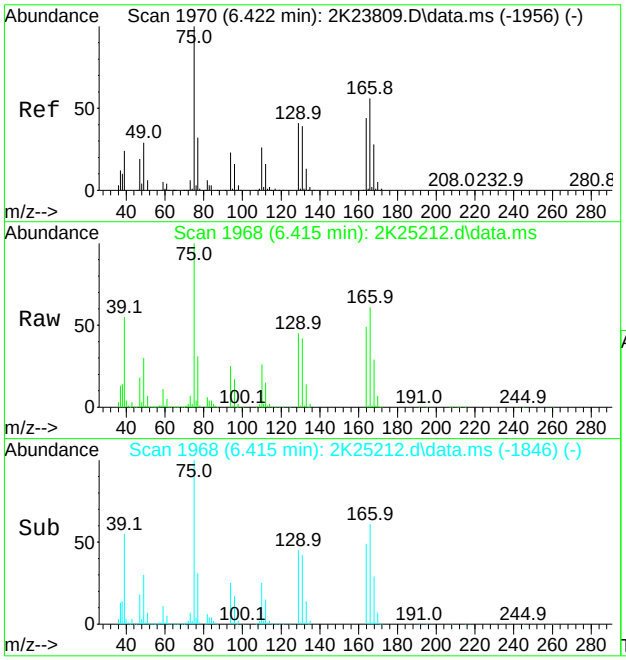


#75
ethyl methacrylate
Concen: 46.0342 ug/L
RT: 6.489 min Scan# 1991
Delta R.T. -0.003 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion: 69 Resp: 477896

Ion	Ratio	Lower	Upper
69	100		
41	83.6	65.3	105.3
86	15.1	0.0	34.6
99	17.6	0.0	38.4

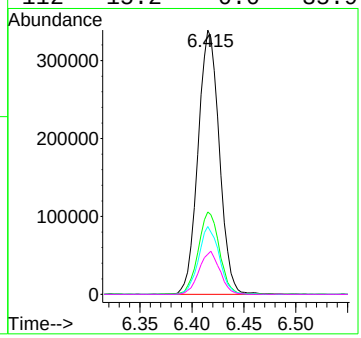


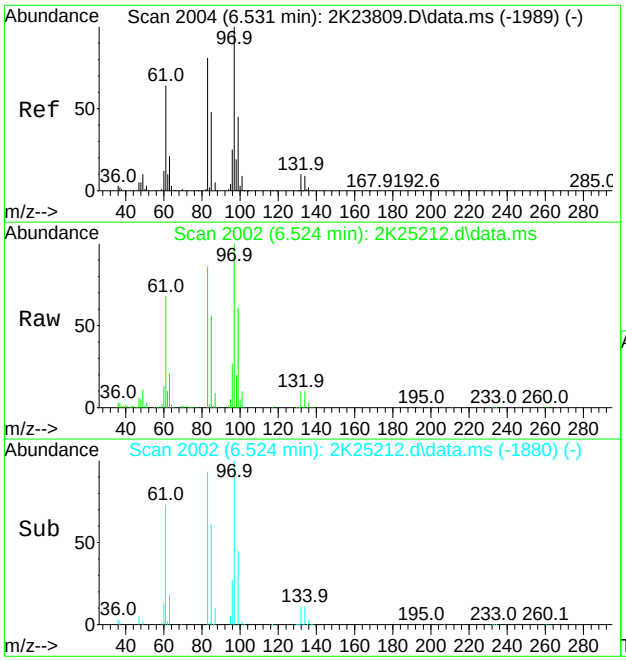


#76
trans-1,3-dichloropropene
Concen: 44.4590 ug/L
RT: 6.415 min Scan# 1968
Delta R.T. -0.007 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion: 75 Resp: 485301

Ion	Ratio	Lower	Upper
75	100		
77	31.0	12.2	52.2
110	25.7	5.7	45.7
112	15.2	0.0	35.9

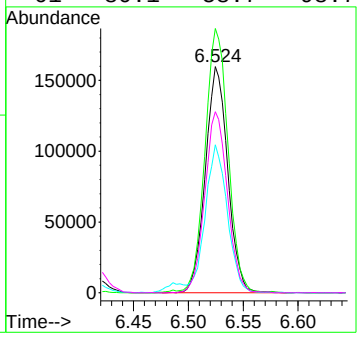


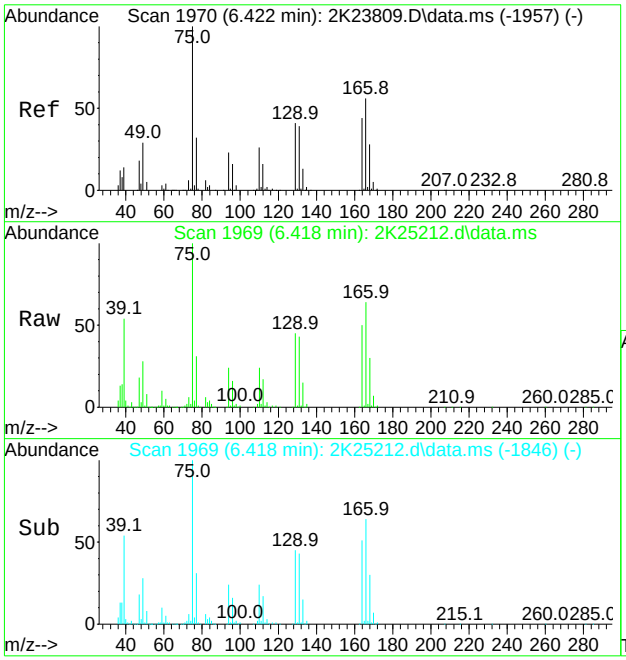


#77
1,1,2-trichloroethane
Concen: 45.1036 ug/L
RT: 6.524 min Scan# 2002
Delta R.T. -0.007 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion: 83 Resp: 227005

Ion	Ratio	Lower	Upper
83	100		
97	117.0	103.4	143.4
85	65.5	40.7	80.7
61	80.1	58.7	98.7

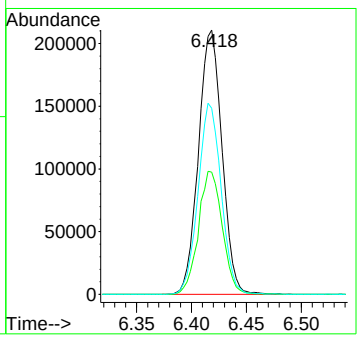


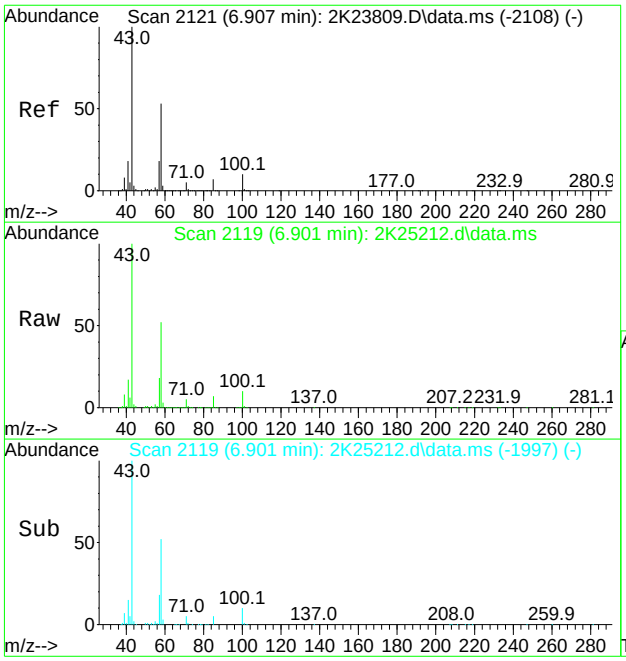


#78
tetrachloroethene
Concen: 49.6168 ug/L
RT: 6.418 min Scan# 1969
Delta R.T. -0.004 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion:166 Resp: 315062

Ion	Ratio	Lower	Upper
166	100		
168	46.2	19.1	79.1
129	70.4	42.7	102.7

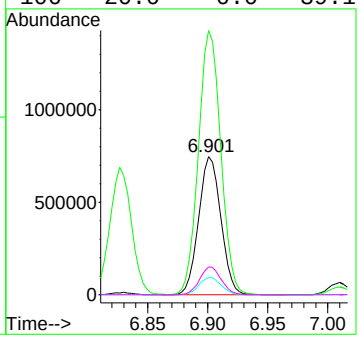


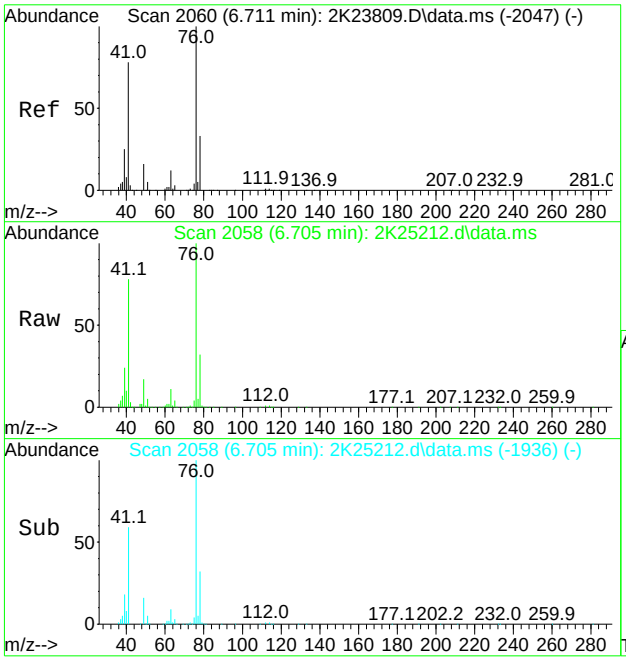


#79
2-hexanone
Concen: 185.6386 ug/L
RT: 6.901 min Scan# 2119
Delta R.T. -0.006 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion: 58 Resp: 963823

Ion	Ratio	Lower	Upper
58	100		
43	191.3	168.9	208.9
85	12.5	0.0	33.1
100	20.0	0.0	39.1

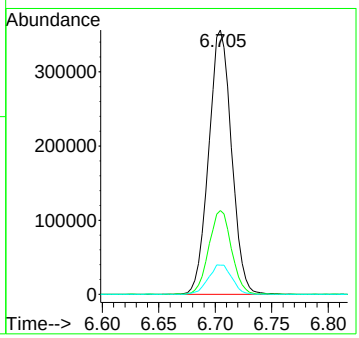


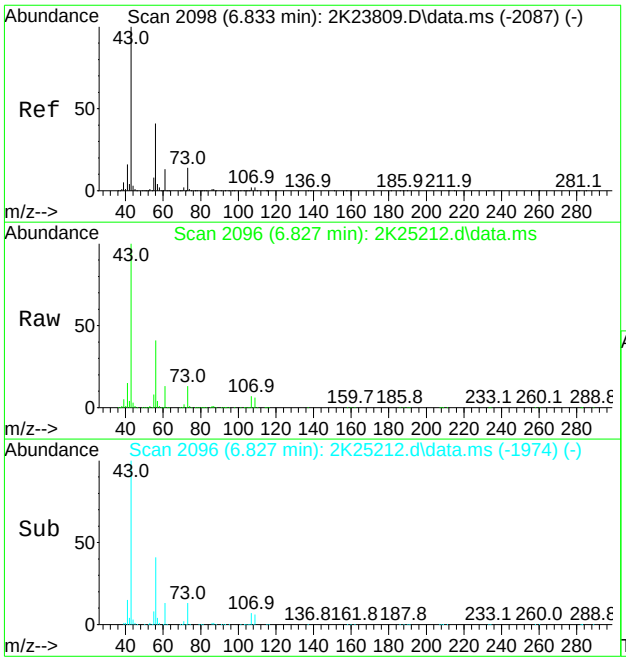


#80
1,3-dichloropropane
Concen: 45.6465 ug/L
RT: 6.705 min Scan# 2058
Delta R.T. -0.006 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion: 76 Resp: 499885

Ion	Ratio	Lower	Upper
76	100		
78	31.8	2.9	62.9
63	11.1	0.0	42.3

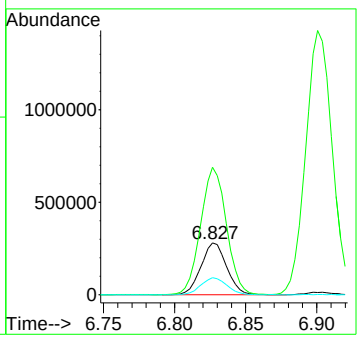


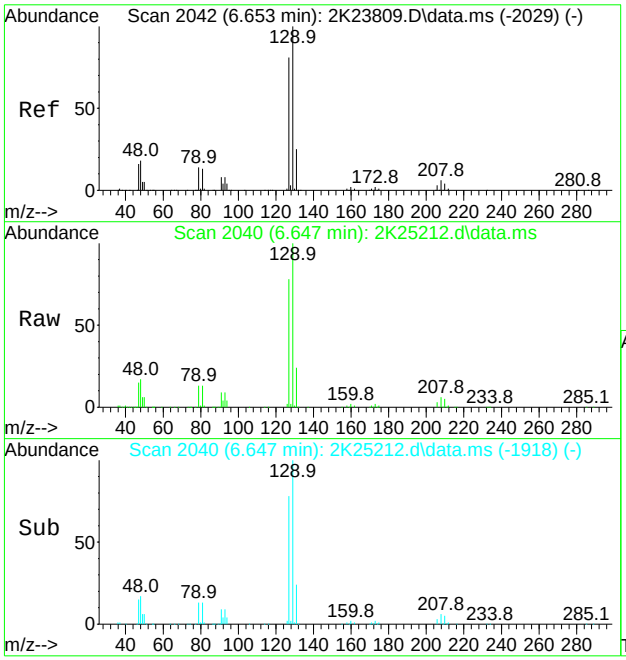


#81
butyl acetate
Concen: 46.4577 ug/L
RT: 6.827 min Scan# 2096
Delta R.T. -0.006 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion: 56 Resp: 352374

Ion	Ratio	Lower	Upper
56	100		
43	245.3	213.5	273.5
73	32.7	4.2	64.2

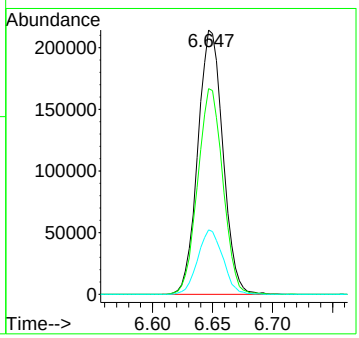


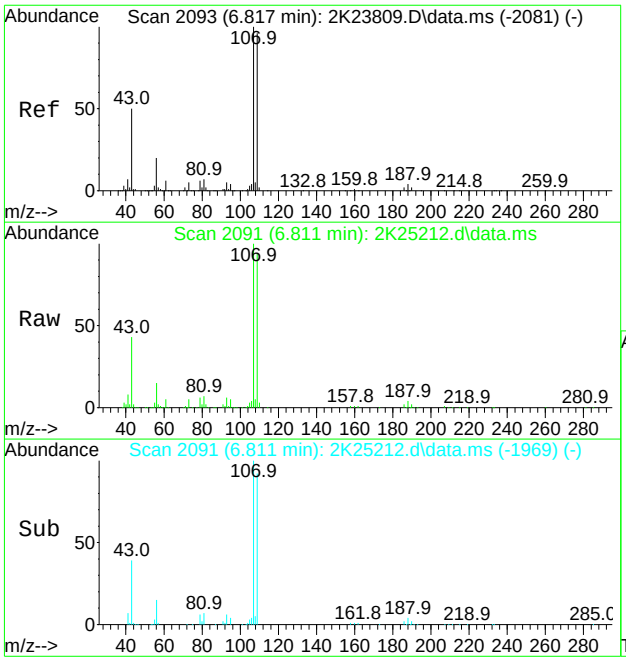


#82
dibromochloromethane
Concen: 47.6896 ug/L
RT: 6.647 min Scan# 2040
Delta R.T. -0.006 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion:129 Resp: 310968

Ion	Ratio	Lower	Upper
129	100		
127	77.8	50.8	110.8
131	24.4	0.0	55.3

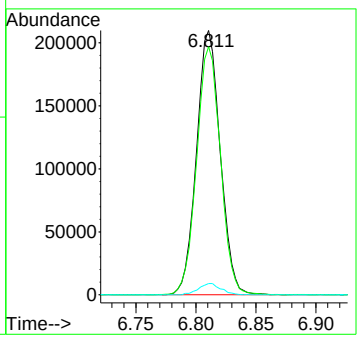


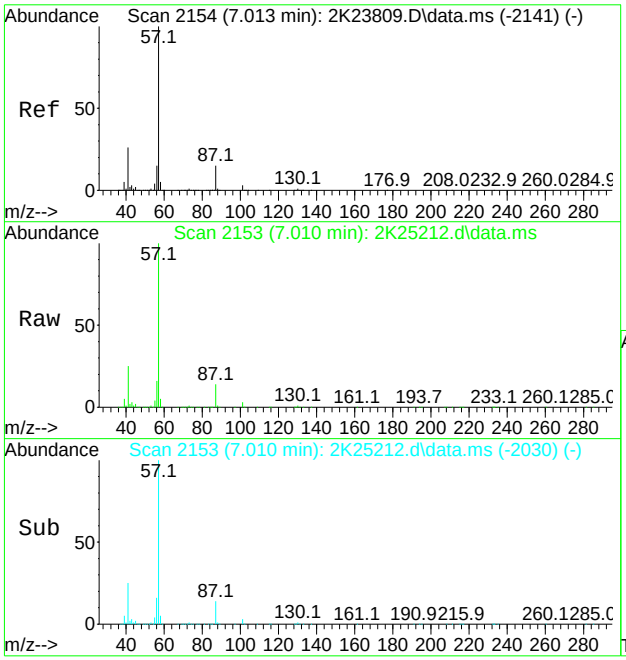


#83
1,2-dibromoethane
Concen: 47.1115 ug/L
RT: 6.811 min Scan# 2091
Delta R.T. -0.006 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion:107 Resp: 288652

Ion	Ratio	Lower	Upper
107	100		
109	93.8	65.7	125.7
188	4.2	0.0	33.6

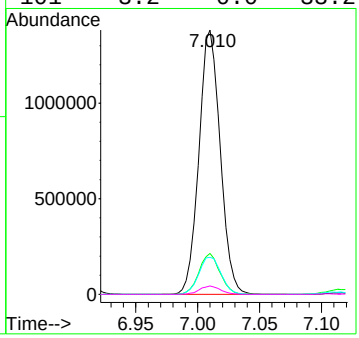


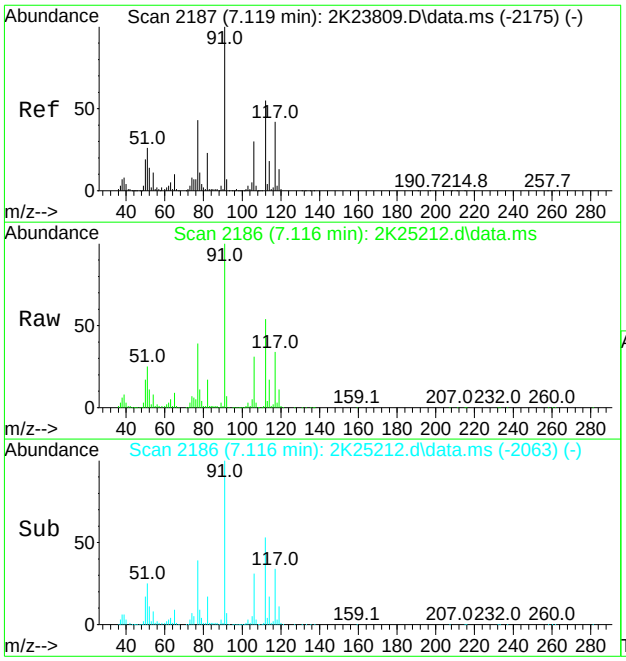


#84
n-butyl ether
Concen: 47.6132 ug/L
RT: 7.010 min Scan# 2153
Delta R.T. -0.003 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion: 57 Resp: 1653255

Ion	Ratio	Lower	Upper
57	100		
56	15.5	0.0	45.2
87	14.0	0.0	45.0
101	3.2	0.0	33.2

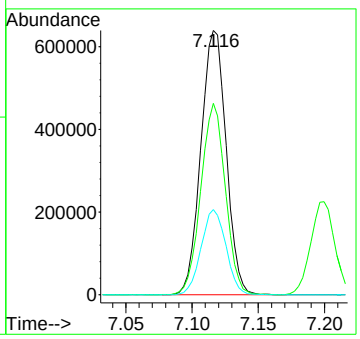


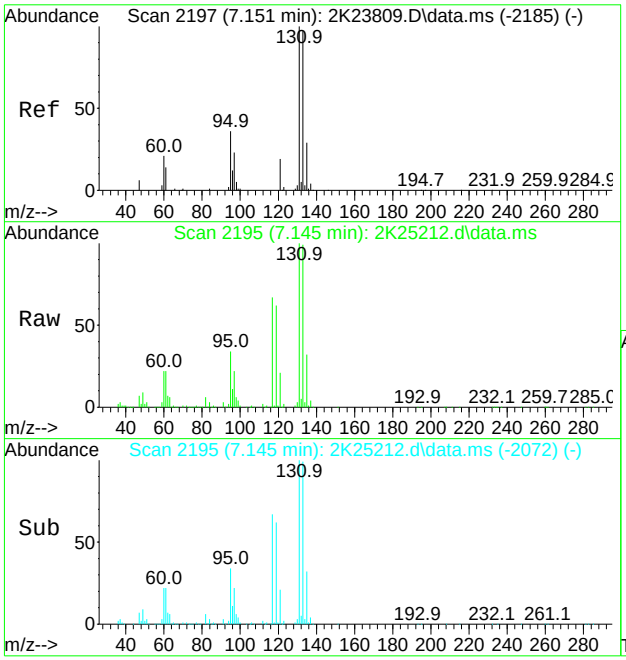


#85
chlorobenzene
Concen: 49.1475 ug/L
RT: 7.116 min Scan# 2186
Delta R.T. -0.003 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion:112 Resp: 847504

Ion	Ratio	Lower	Upper
112	100		
77	72.3	49.5	109.5
114	32.2	2.1	62.1

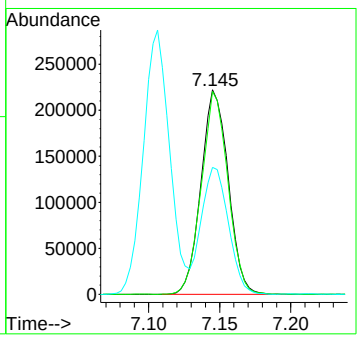


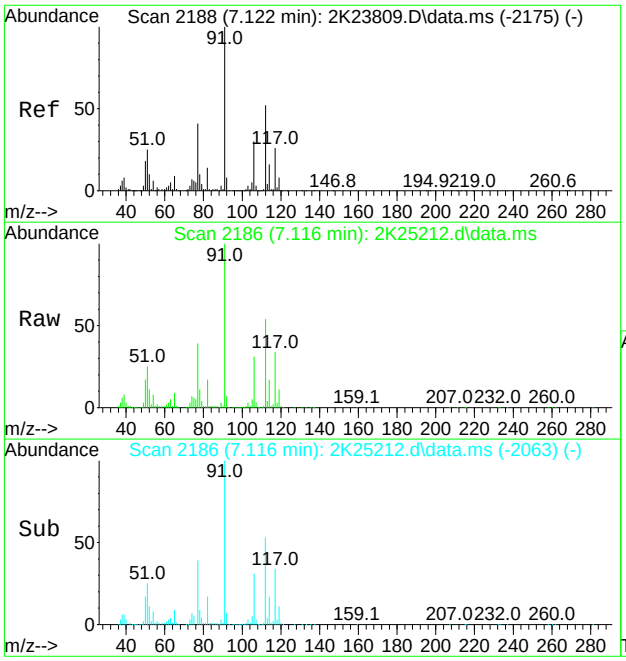


#86
1,1,1,2-tetrachloroethane
Concen: 48.2424 ug/L
RT: 7.145 min Scan# 2195
Delta R.T. -0.006 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion:131 Resp: 295824

Ion	Ratio	Lower	Upper
131	100		
133	99.1	66.7	126.7
119	61.9	31.1	91.1

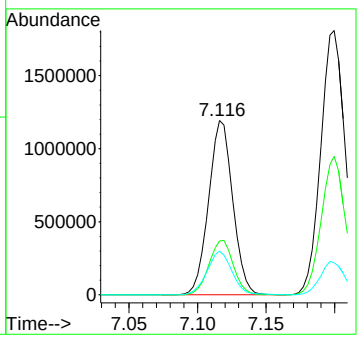


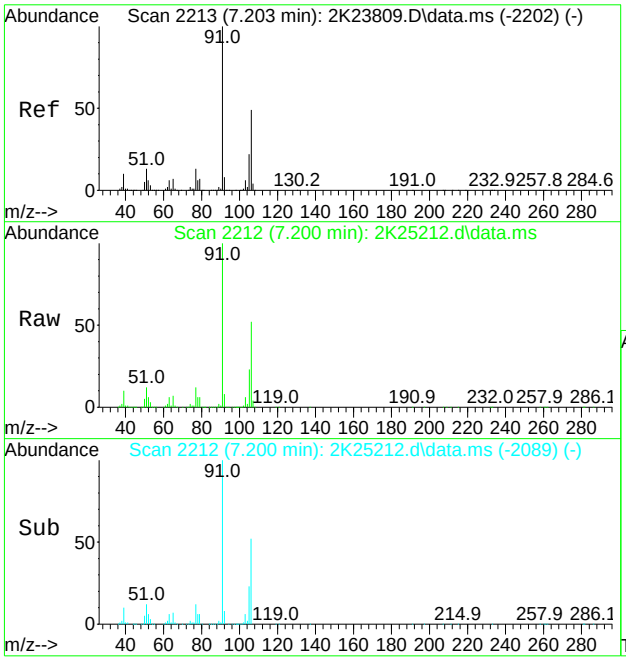


#87
ethylbenzene
Concen: 45.9723 ug/L
RT: 7.116 min Scan# 2186
Delta R.T. -0.006 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion: 91 Resp: 1457746

Ion	Ratio	Lower	Upper
91	100		
106	30.9	0.3	60.3
51	25.1	0.0	55.4

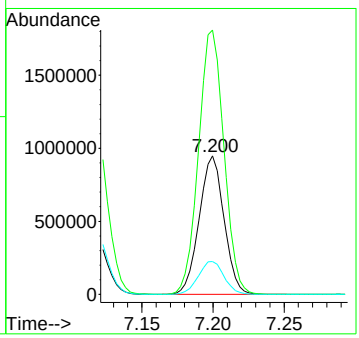


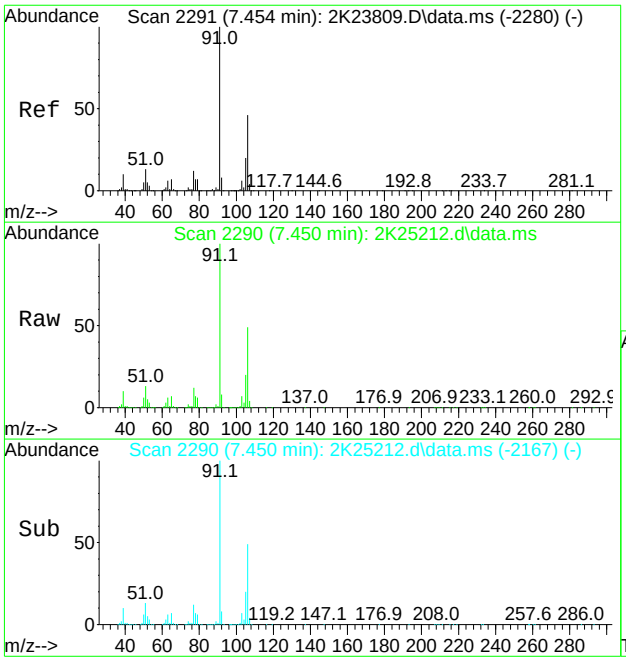


#88
m,p-xylene
Concen: 99.0587 ug/L
RT: 7.200 min Scan# 2212
Delta R.T. -0.003 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion:106 Resp: 1151813

Ion	Ratio	Lower	Upper
106	100		
91	190.9	173.5	233.5
77	23.7	7.0	47.0

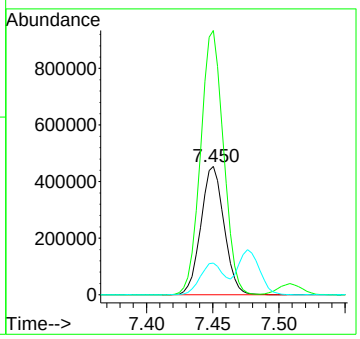


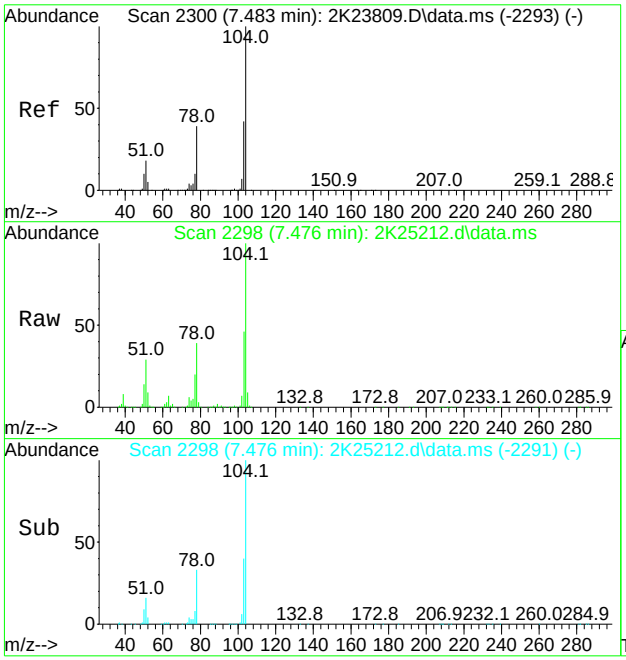


#89
o-xylene
Concen: 48.8758 ug/L
RT: 7.450 min Scan# 2290
Delta R.T. -0.004 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion:106 Resp: 552765

Ion	Ratio	Lower	Upper
106	100		
91	205.8	186.3	246.3
77	24.6	6.7	46.7

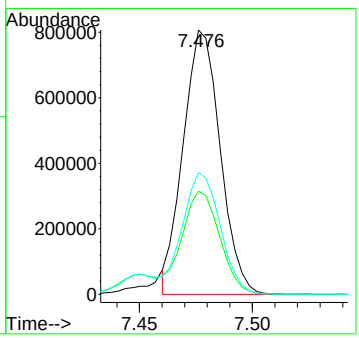


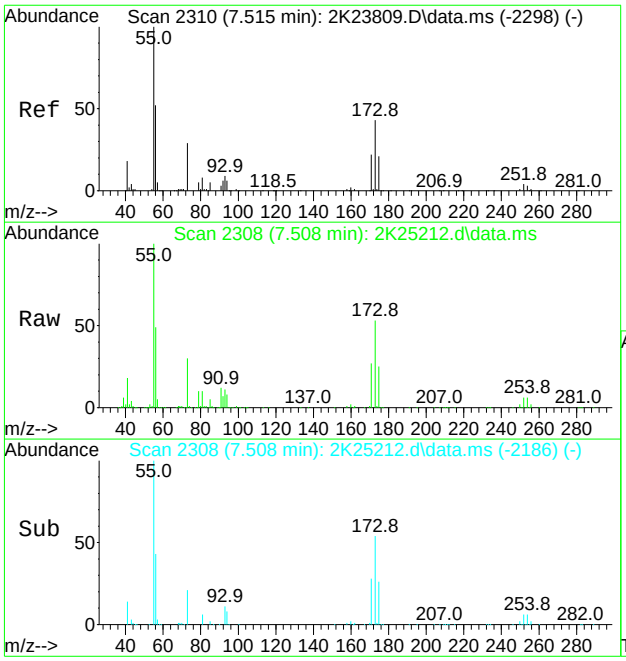


#90
styrene
Concen: 47.8528 ug/L
RT: 7.476 min Scan# 2298
Delta R.T. -0.007 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion:104 Resp: 919222

Ion	Ratio	Lower	Upper
104	100		
78	39.0	14.3	74.3
103	46.1	17.0	77.0

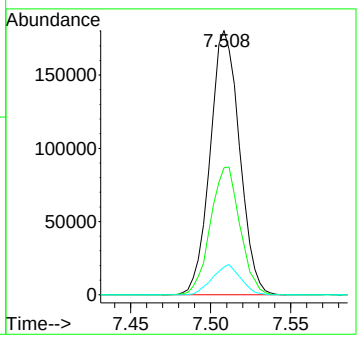


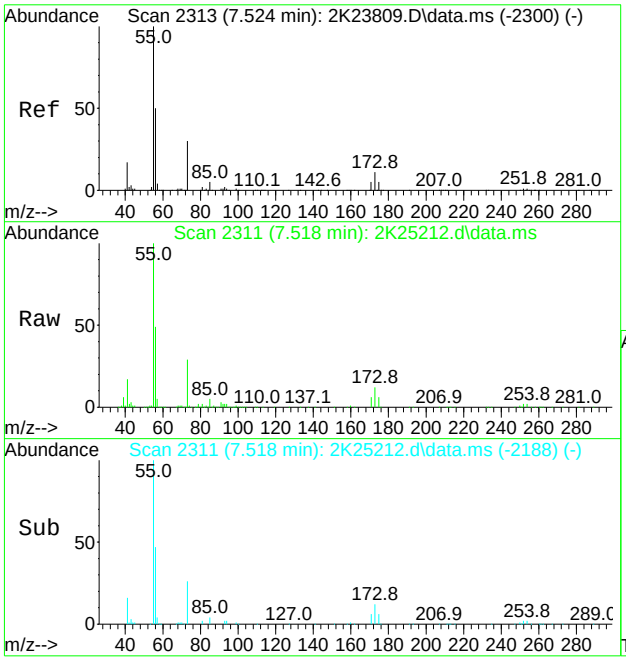


#91
bromoform
Concen: 44.4103 ug/L
RT: 7.508 min Scan# 2308
Delta R.T. -0.007 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion:173 Resp: 230544

Ion	Ratio	Lower	Upper
173	100		
175	48.1	18.6	78.6
254	10.6	0.0	37.9

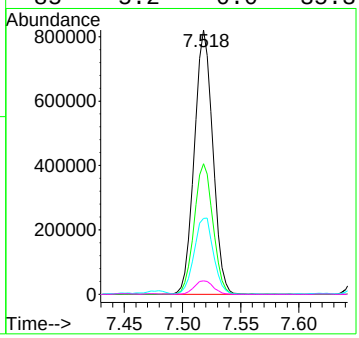


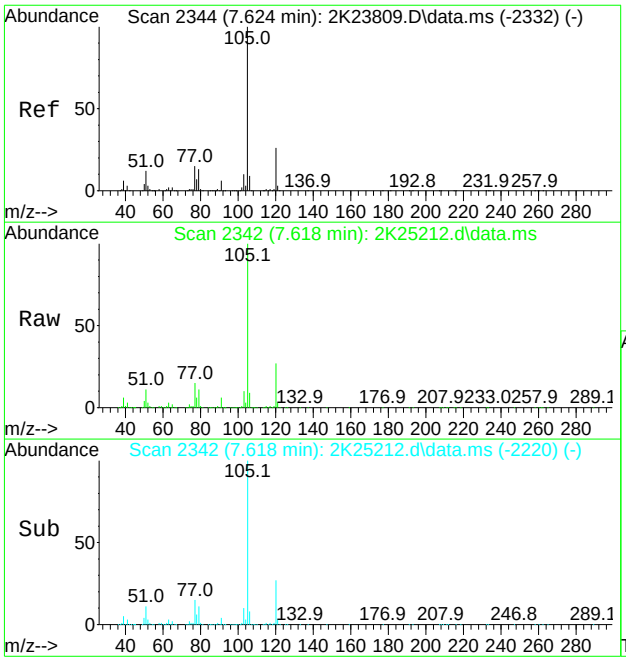


#92
butyl acrylate
Concen: 46.6831 ug/L
RT: 7.518 min Scan# 2311
Delta R.T. -0.006 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion: 55 Resp: 906795

Ion	Ratio	Lower	Upper
55	100		
56	49.4	20.5	80.5
73	28.6	0.7	60.7
85	5.2	0.0	35.3

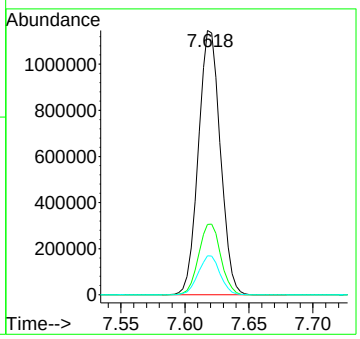


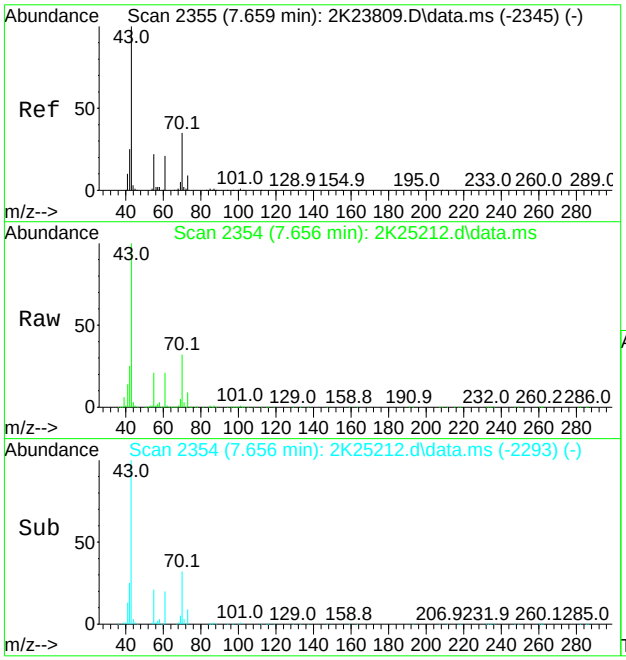


#93
isopropylbenzene
Concen: 48.5828 ug/L
RT: 7.618 min Scan# 2342
Delta R.T. -0.006 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion:105 Resp: 1365889

Ion	Ratio	Lower	Upper
105	100		
120	26.7	6.4	46.4
77	14.7	0.0	35.1

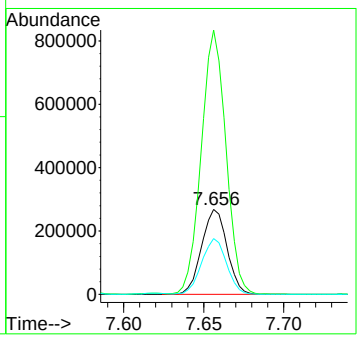


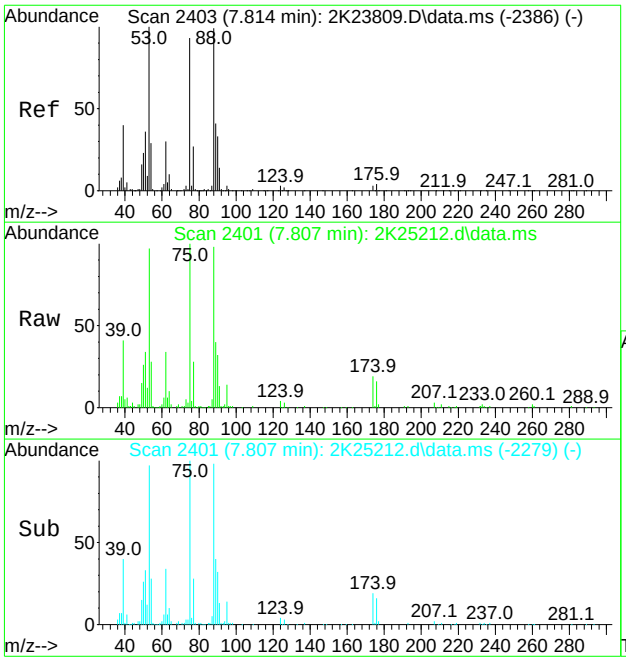


#94
n-amyl acetate
Concen: 47.3062 ug/L
RT: 7.656 min Scan# 2354
Delta R.T. -0.003 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion: 70 Resp: 295866

Ion	Ratio	Lower	Upper
70	100		
43	311.3	265.5	305.5#
61	65.6	41.9	81.9

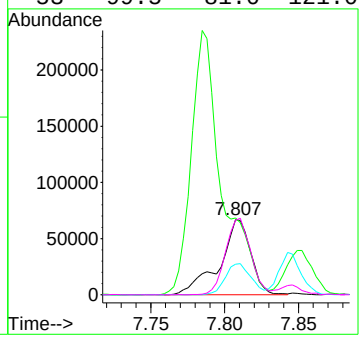


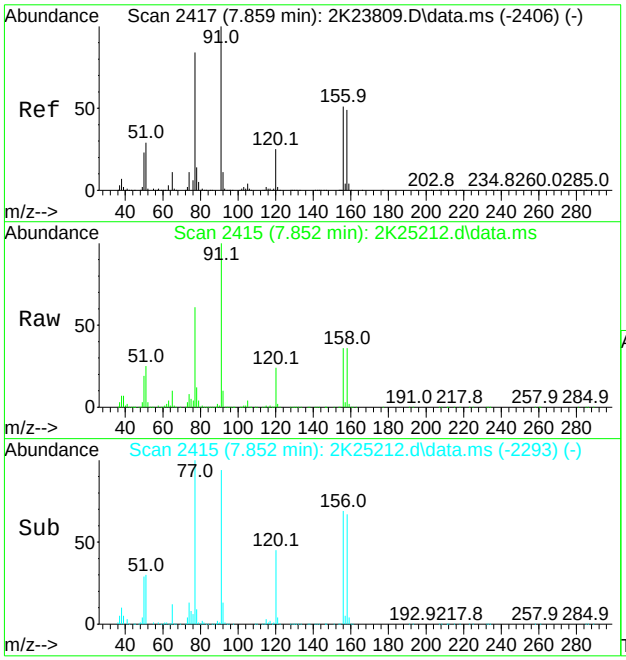


#95
cis-1,4-dichloro-2-butene
Concen: 22.0157 ug/L
RT: 7.807 min Scan# 2401
Delta R.T. -0.007 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion: 88 Resp: 98868

Ion	Ratio	Lower	Upper
88	100		
75	100.9	73.7	113.7
89	40.9	20.9	60.9
53	99.5	81.0	121.0

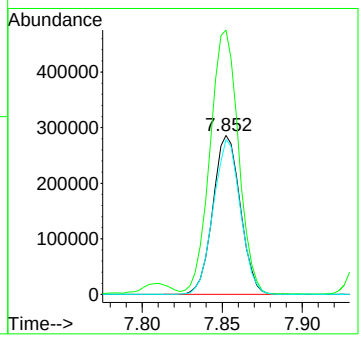


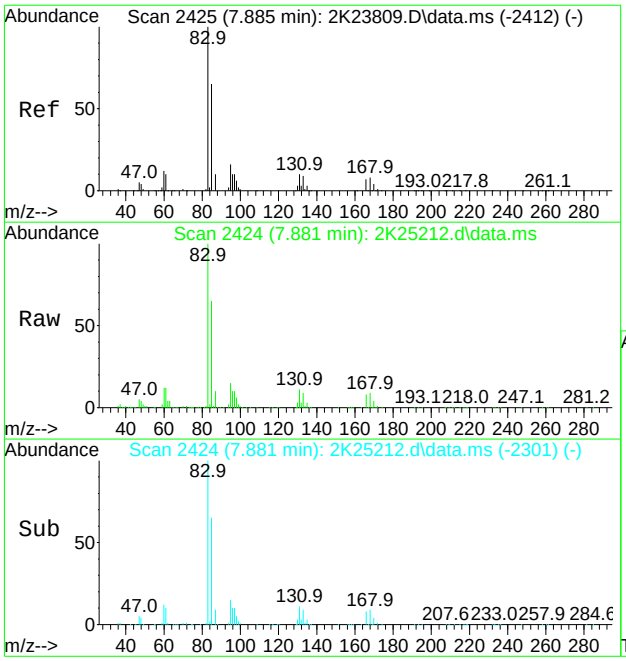


#98
bromobenzene
Concen: 45.1842 ug/L
RT: 7.852 min Scan# 2415
Delta R.T. -0.007 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion:156 Resp: 340776

Ion	Ratio	Lower	Upper
156	100		
77	166.1	144.3	204.3
158	97.6	66.5	126.5

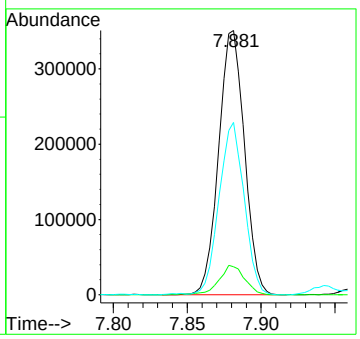


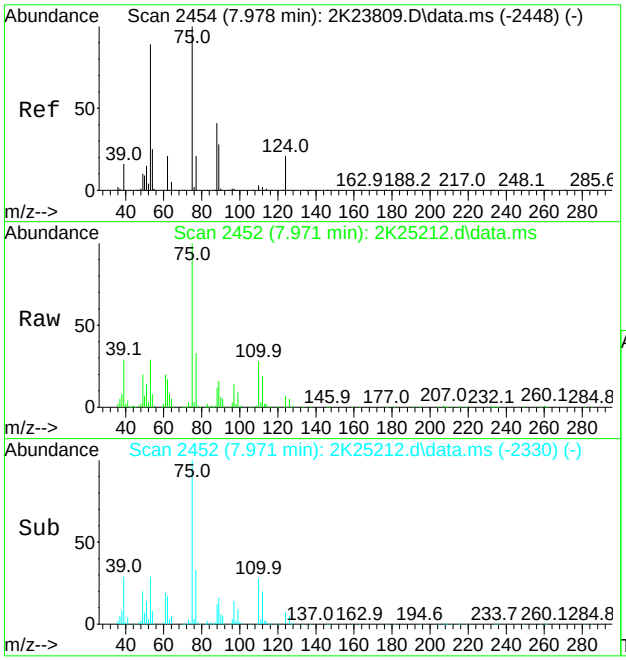


#99
1,1,2,2-tetrachloroethane
Concen: 43.5367 ug/L
RT: 7.881 min Scan# 2424
Delta R.T. -0.004 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion: 83 Resp: 424660

Ion	Ratio	Lower	Upper
83	100		
131	10.7	0.0	40.0
85	65.2	35.3	95.3

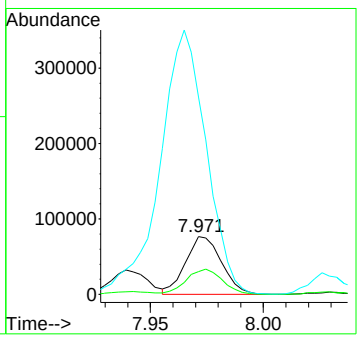


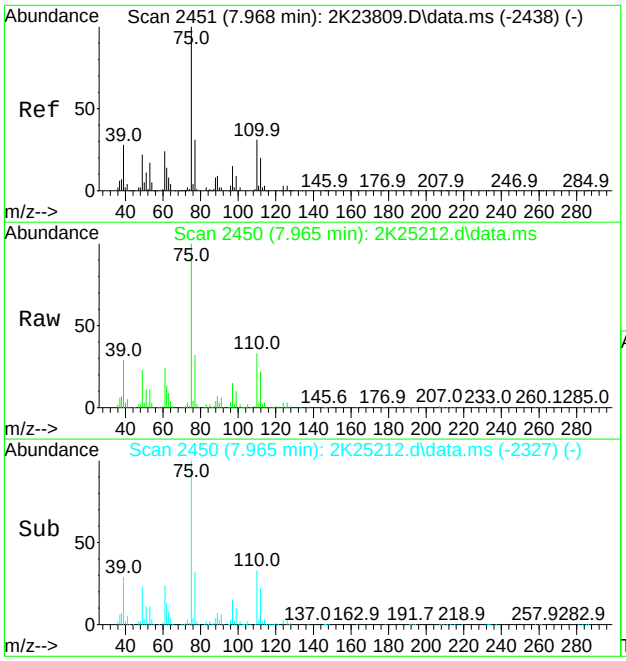


#100
trans-1,4-dichloro-2-butene
Concen: 19.0253 ug/L
RT: 7.971 min Scan# 2452
Delta R.T. -0.007 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion: 53 Resp: 85026

Ion	Ratio	Lower	Upper
53	100		
88	39.0	15.2	75.2
75	340.1	166.9	226.9#

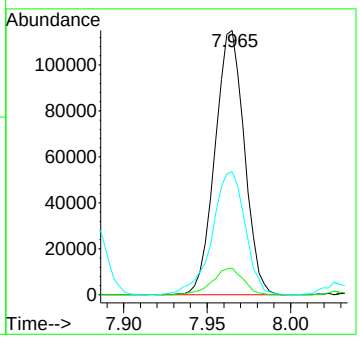


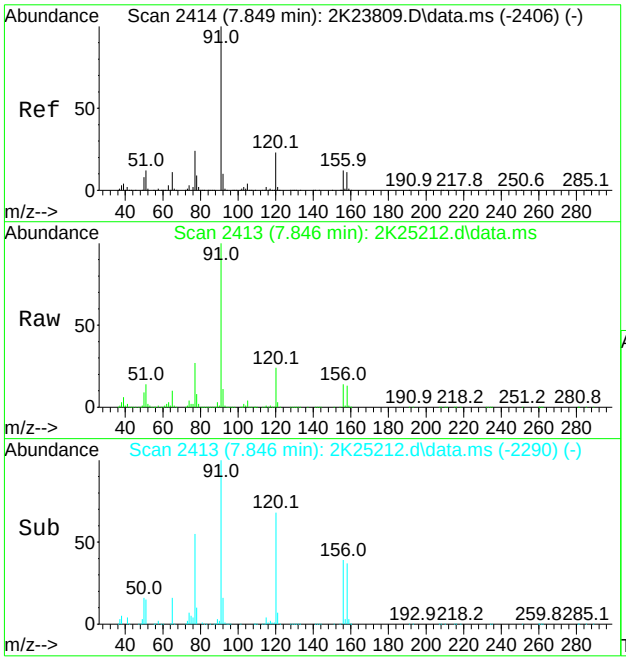


#101
1,2,3-trichloropropane
Concen: 42.5480 ug/L
RT: 7.965 min Scan# 2450
Delta R.T. -0.003 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion:110 Resp: 140532

Ion	Ratio	Lower	Upper
110	100		
111	10.1	0.0	39.3
97	46.6	17.7	77.7

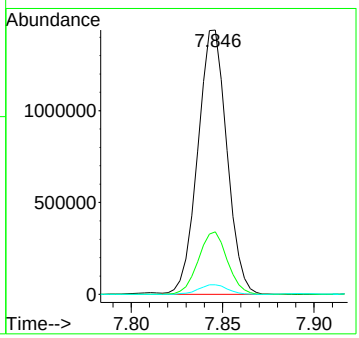


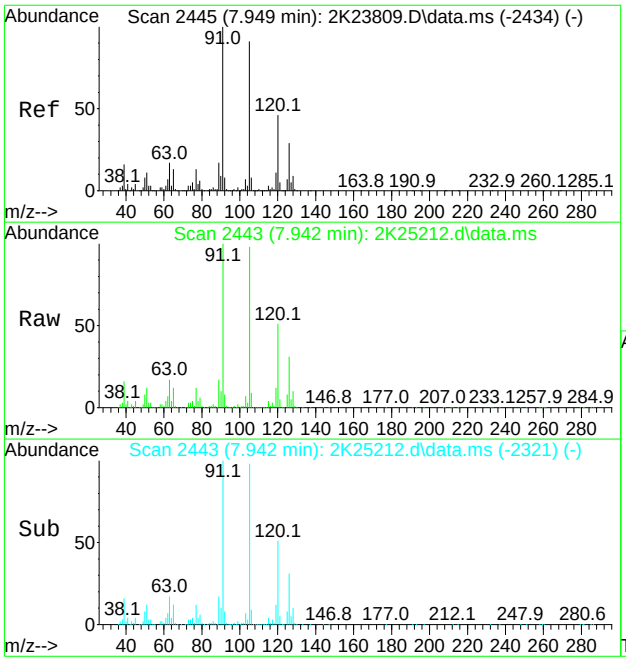


#102
n-propylbenzene
Concen: 46.0236 ug/L
RT: 7.846 min Scan# 2413
Delta R.T. -0.003 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion: 91 Resp: 1592610

Ion	Ratio	Lower	Upper
91	100		
120	23.7	0.0	52.7
105	3.7	0.0	34.0

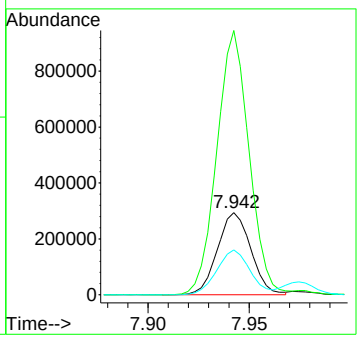


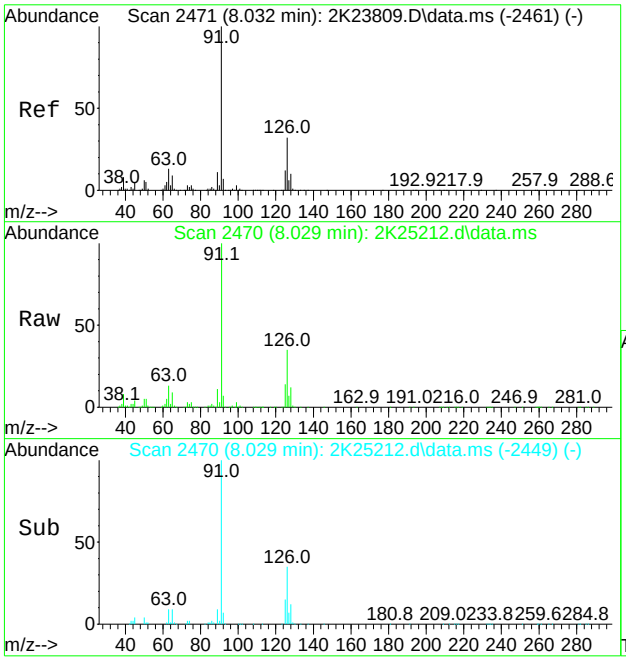


#103
2-chlorotoluene
Concen: 47.7343 ug/L
RT: 7.942 min Scan# 2443
Delta R.T. -0.007 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion:126 Resp: 337808

Ion	Ratio	Lower	Upper
126	100		
91	321.2	309.9	369.9
89	54.6	27.7	87.7

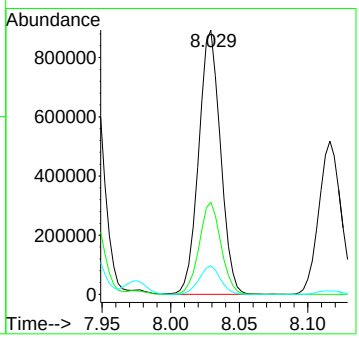


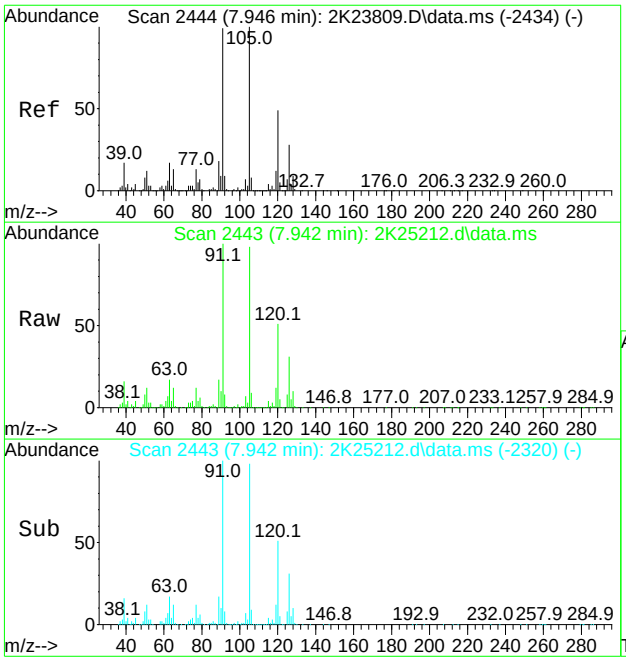


#104
4-chlorotoluene
Concen: 43.4030 ug/L
RT: 8.029 min Scan# 2470
Delta R.T. -0.003 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion: 91 Resp: 983950

Ion	Ratio	Lower	Upper
91	100		
126	34.9	1.8	61.8
89	10.8	0.0	41.0

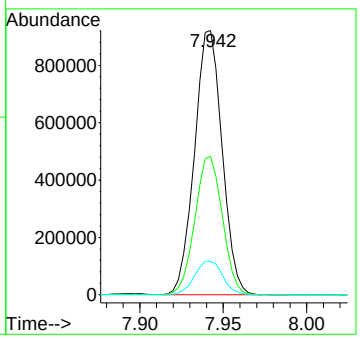


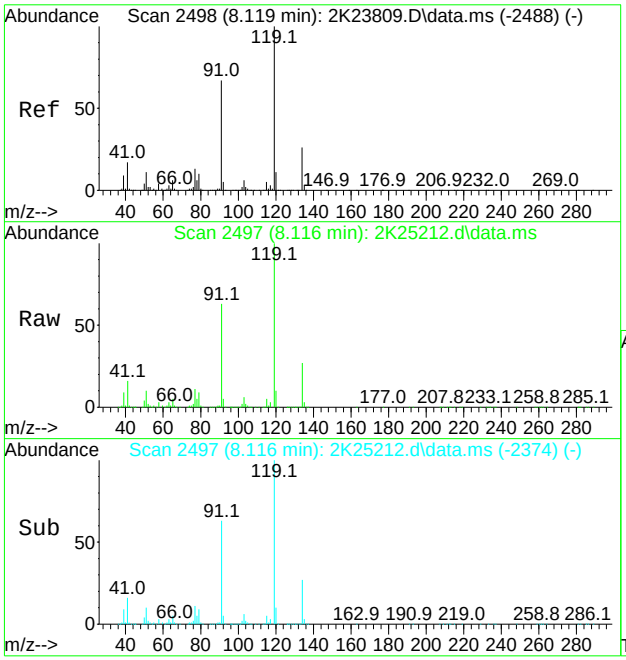


#105
1,3,5-trimethylbenzene
Concen: 44.8596 ug/L
RT: 7.942 min Scan# 2443
Delta R.T. -0.004 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion:105 Resp: 1060492

Ion	Ratio	Lower	Upper
105	100		
120	52.4	19.0	79.0
119	12.6	0.0	42.0

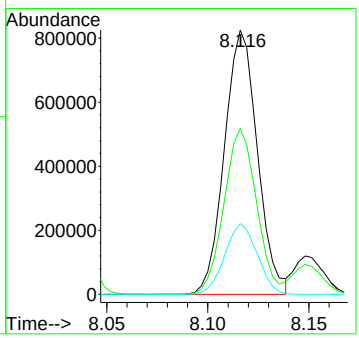


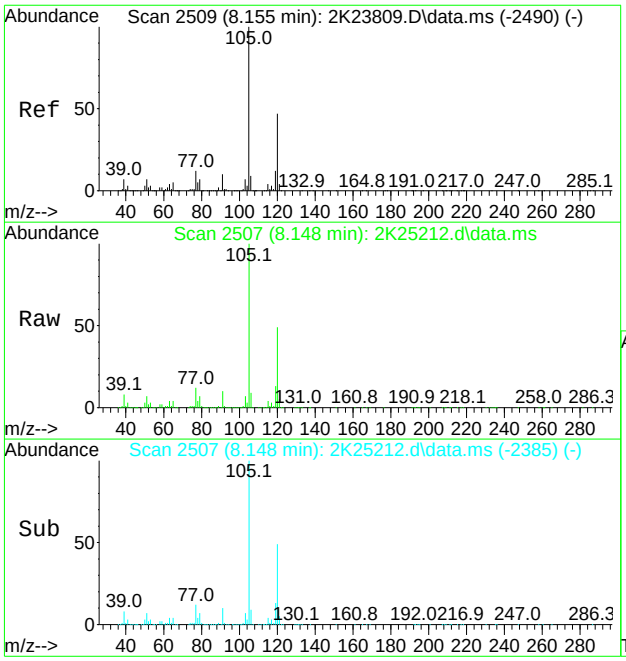


#106
tert-butylbenzene
Concen: 46.1996 ug/L
RT: 8.116 min Scan# 2497
Delta R.T. -0.003 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion:119 Resp: 936726

Ion	Ratio	Lower	Upper
119	100		
91	62.7	37.4	97.4
134	26.8	0.0	55.8

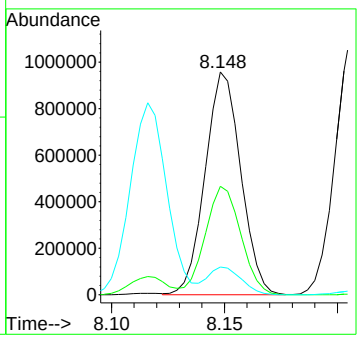


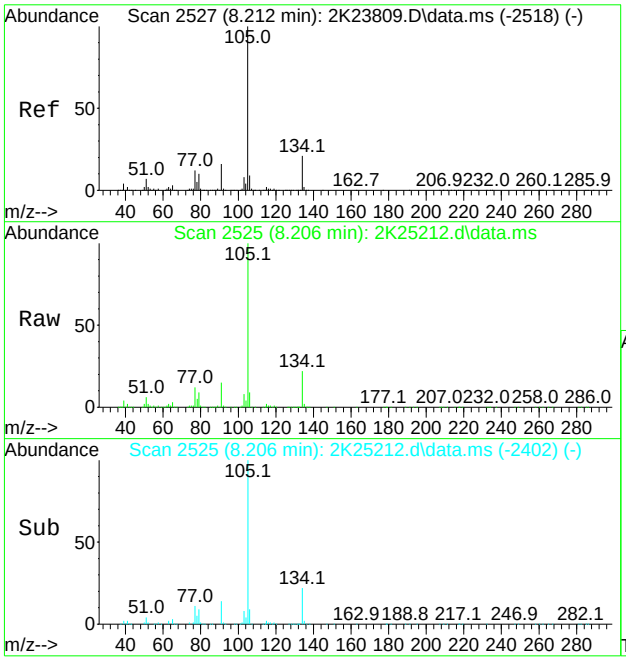


#107
1,2,4-trimethylbenzene
Concen: 44.7127 ug/L
RT: 8.148 min Scan# 2507
Delta R.T. -0.007 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion:105 Resp: 1049538

Ion	Ratio	Lower	Upper
105	100		
120	48.7	16.8	76.8
119	12.5	0.0	42.0

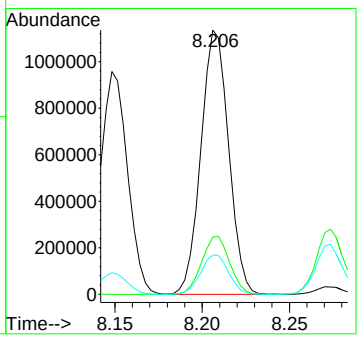


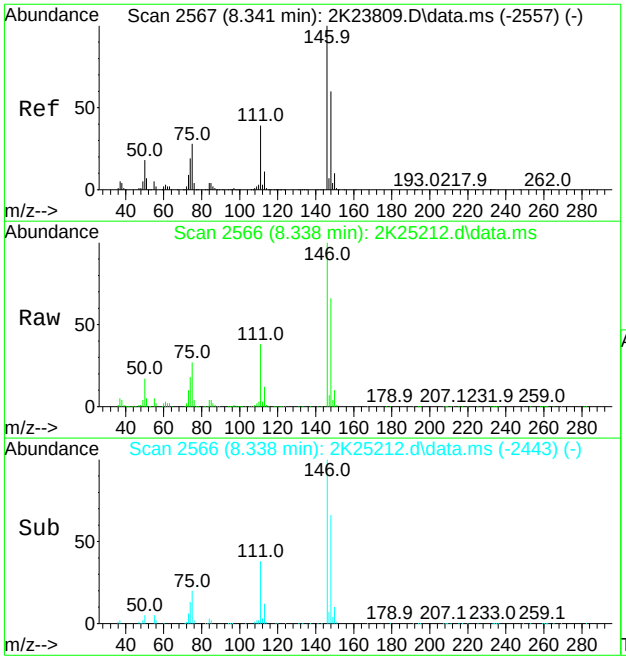


#108
sec-butylbenzene
Concen: 46.8996 ug/L
RT: 8.206 min Scan# 2525
Delta R.T. -0.006 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion:105 Resp: 1256078

Ion	Ratio	Lower	Upper
105	100		
134	21.6	0.0	51.4
91	14.9	0.0	45.7

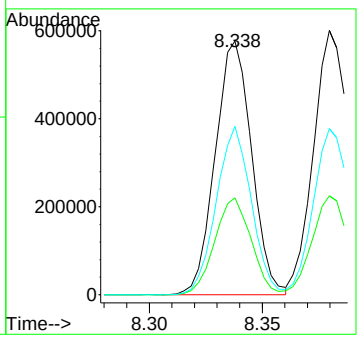


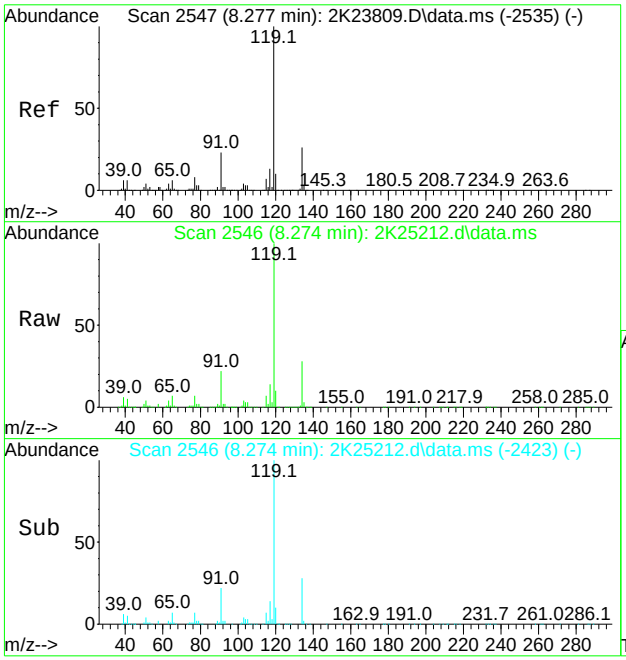


#109
1,3-dichlorobenzene
Concen: 46.1933 ug/L
RT: 8.338 min Scan# 2566
Delta R.T. -0.003 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion:146 Resp: 645092

Ion	Ratio	Lower	Upper
146	100		
111	38.2	8.6	68.6
148	66.3	29.8	89.8

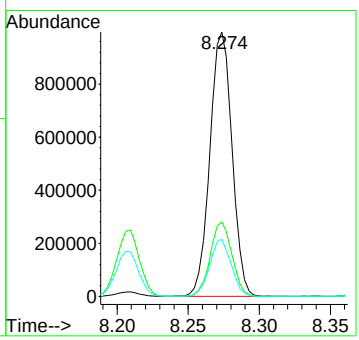


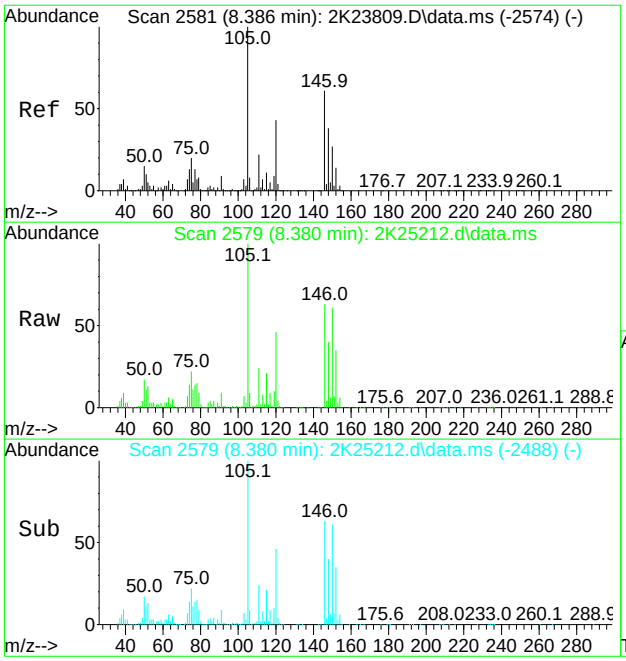


#110
p-isopropyltoluene
Concen: 46.1365 ug/L
RT: 8.274 min Scan# 2546
Delta R.T. -0.003 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion:119 Resp: 1076985

Ion	Ratio	Lower	Upper
119	100		
134	28.2	0.0	56.0
91	21.7	0.0	53.4

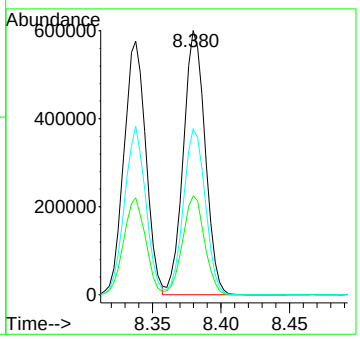


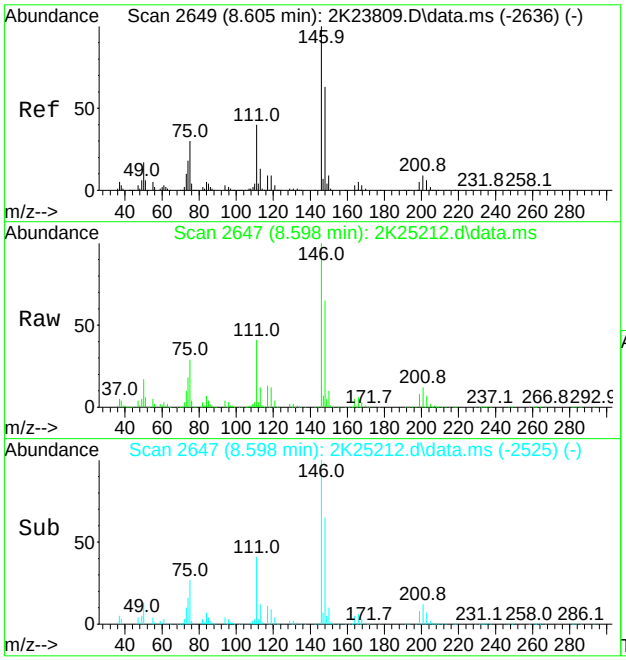


#111
1,4-dichlorobenzene
Concen: 47.6875 ug/L
RT: 8.380 min Scan# 2579
Delta R.T. -0.006 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion:146 Resp: 663930

Ion	Ratio	Lower	Upper
146	100		
111	37.4	6.3	66.3
148	62.8	32.9	92.9

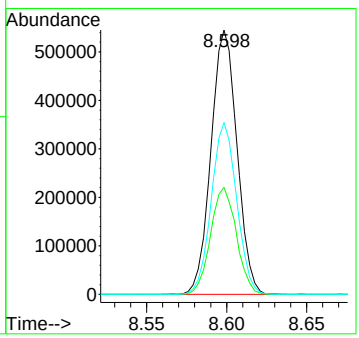


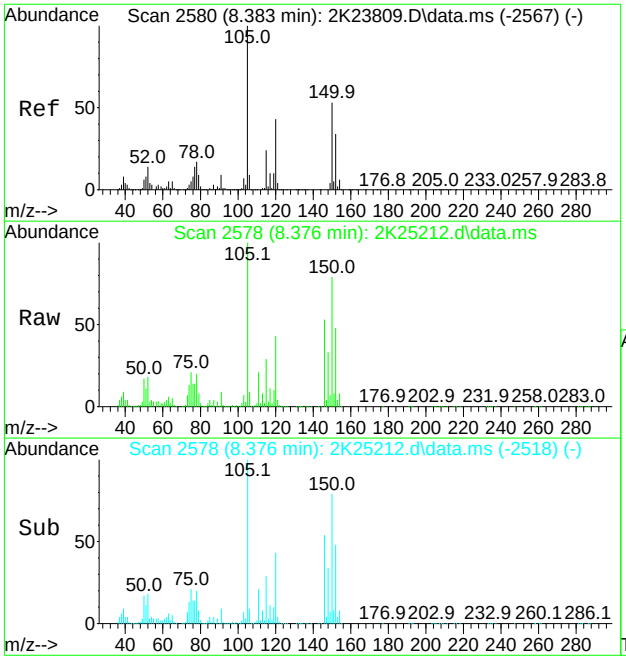


#112
1,2-dichlorobenzene
Concen: 46.3986 ug/L
RT: 8.598 min Scan# 2647
Delta R.T. -0.007 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion:146 Resp: 617356

Ion	Ratio	Lower	Upper
146	100		
111	40.6	10.0	70.0
148	65.0	33.3	93.3

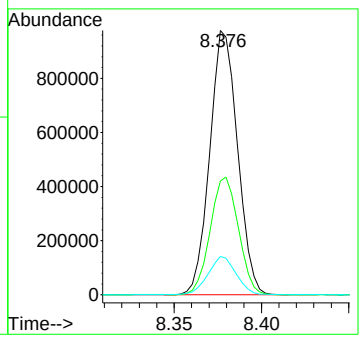


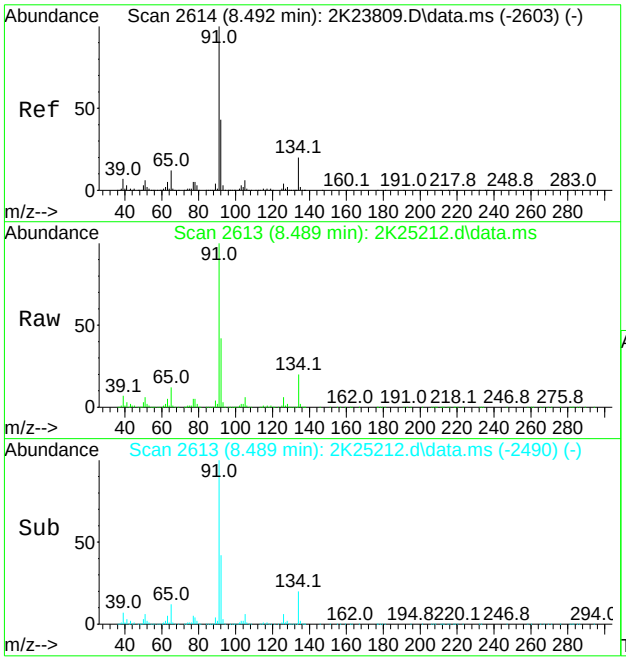


#113
1,2,3-trimethylbenzene
Concen: 44.1885 ug/L
RT: 8.376 min Scan# 2578
Delta R.T. -0.007 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion:105 Resp: 1082541

Ion	Ratio	Lower	Upper
105	100		
120	43.0	13.3	73.3
77	14.4	0.0	43.9

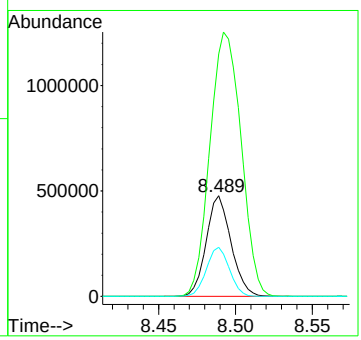


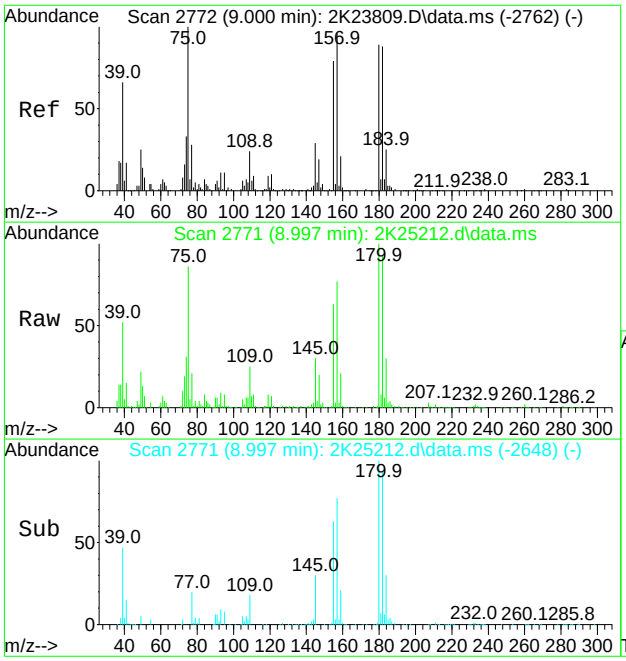


#114
n-butylbenzene
Concen: 46.1480 ug/L
RT: 8.489 min Scan# 2613
Delta R.T. -0.003 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion: 92 Resp: 536316

Ion	Ratio	Lower	Upper
92	100		
91	240.6	203.0	263.0
134	48.7	17.1	77.1

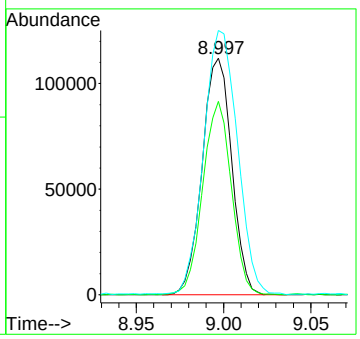


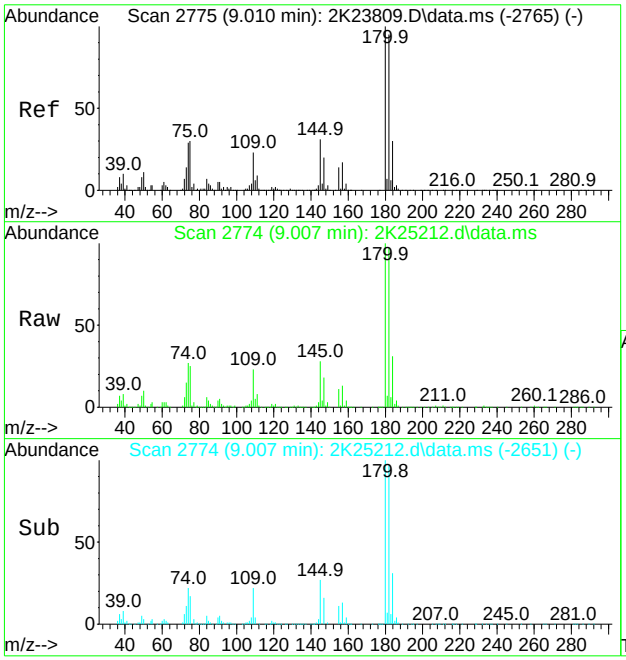


#115
1,2-dibromo-3-chloropropane
Concen: 43.5934 ug/L
RT: 8.997 min Scan# 2771
Delta R.T. -0.003 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion:157 Resp: 132307

Ion	Ratio	Lower	Upper
157	100		
155	81.7	52.3	112.3
75	111.6	74.2	134.2

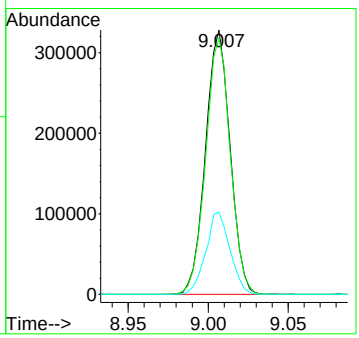


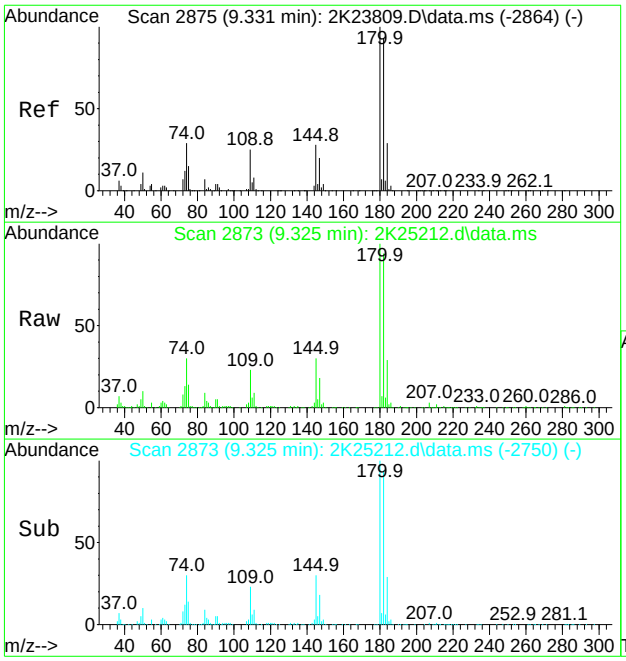


#116
1,3,5-trichlorobenzene
Concen: 45.8365 ug/L
RT: 9.007 min Scan# 2774
Delta R.T. -0.003 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion:180 Resp: 350621

Ion	Ratio	Lower	Upper
180	100		
182	97.0	74.7	114.7
184	31.2	9.9	49.9

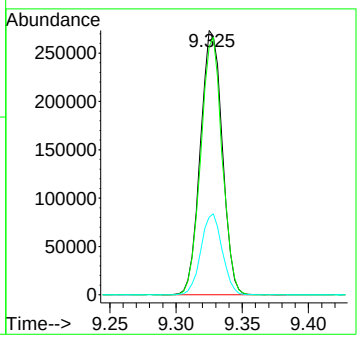


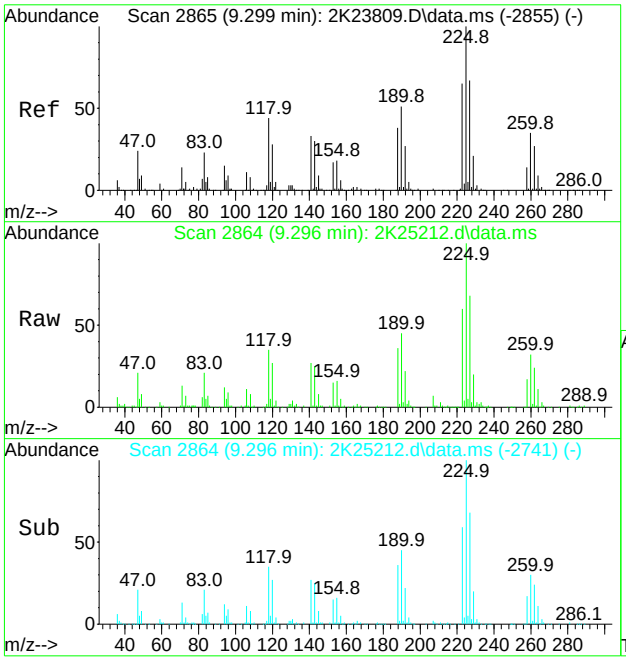


#117
1,2,4-trichlorobenzene
Concen: 46.6614 ug/L
RT: 9.325 min Scan# 2873
Delta R.T. -0.006 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion:180 Resp: 313595

Ion	Ratio	Lower	Upper
180	100		
182	93.8	63.0	123.0
184	29.4	0.0	59.0

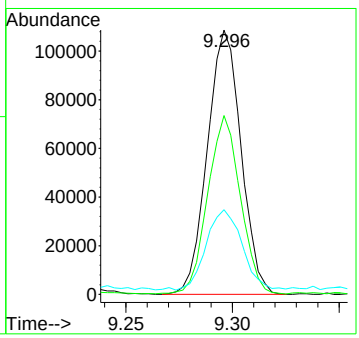


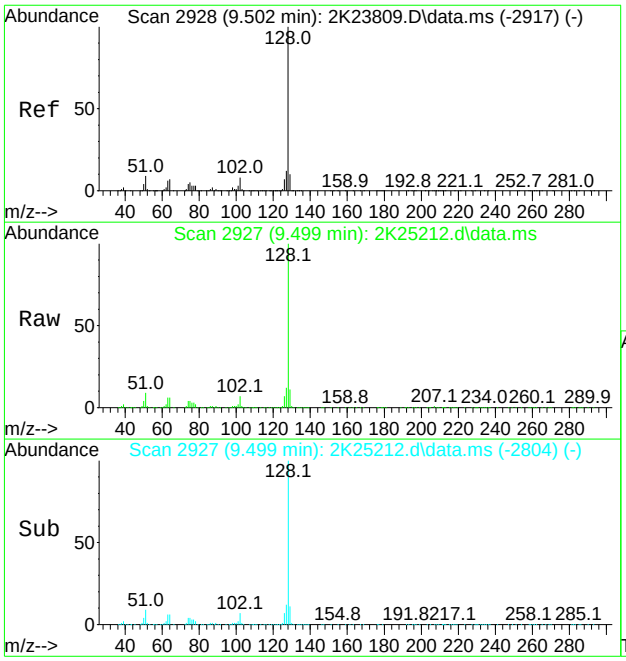


#118
hexachlorobutadiene
Concen: 48.2460 ug/L
RT: 9.296 min Scan# 2864
Delta R.T. -0.003 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion:225 Resp: 119494

Ion	Ratio	Lower	Upper
225	100		
227	67.4	36.8	96.8
260	30.1	5.2	65.2

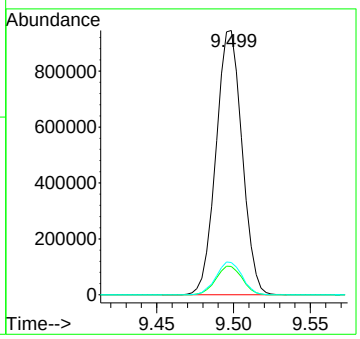


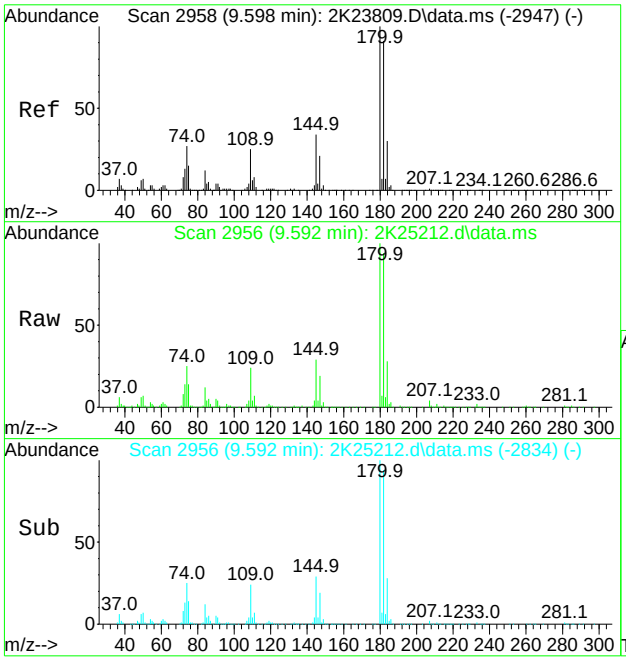


#119
naphthalene
Concen: 46.6179 ug/L
RT: 9.499 min Scan# 2927
Delta R.T. -0.003 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion:128 Resp: 1114221

Ion	Ratio	Lower	Upper
128	100		
129	10.7	0.0	40.4
127	12.2	0.0	42.1

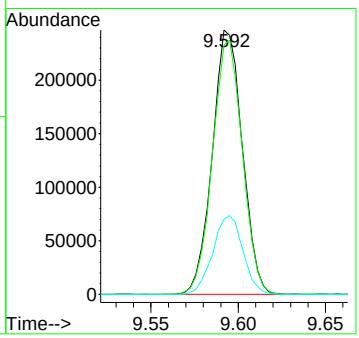


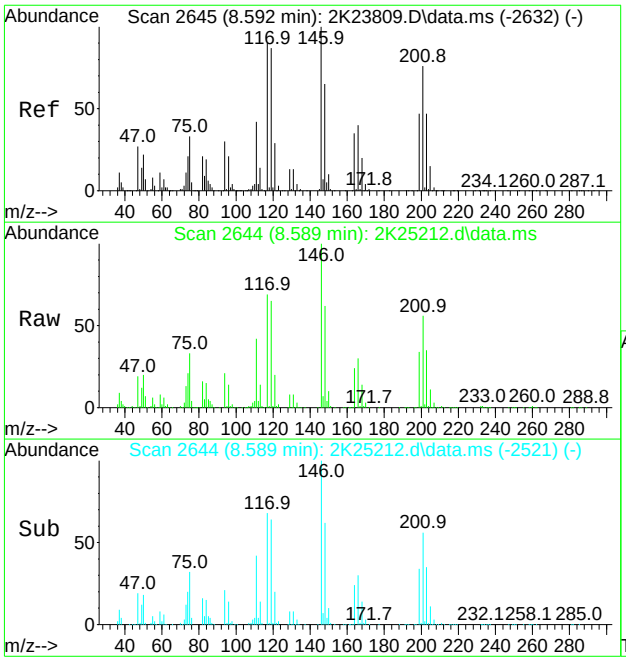


#120
1,2,3-trichlorobenzene
Concen: 46.3338 ug/L
RT: 9.592 min Scan# 2956
Delta R.T. -0.006 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion:180 Resp: 295417

Ion	Ratio	Lower	Upper
180	100		
182	94.3	60.8	120.8
184	28.5	0.3	60.3

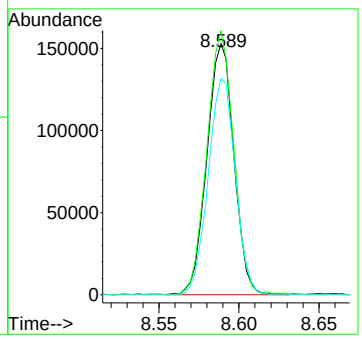


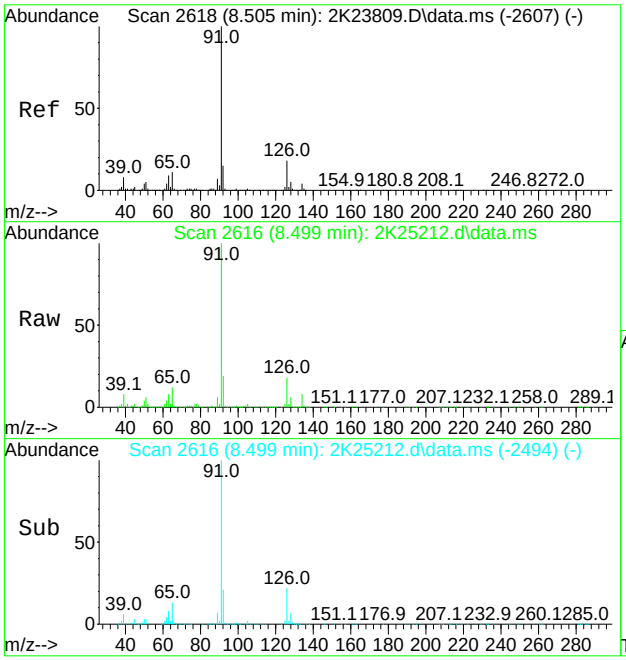


#121
hexachloroethane
Concen: 42.4416 ug/L
RT: 8.589 min Scan# 2644
Delta R.T. -0.003 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion:119 Resp: 179365

Ion	Ratio	Lower	Upper
119	100		
117	105.1	72.5	132.5
201	86.1	56.6	116.6

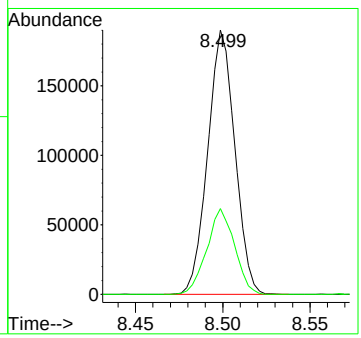


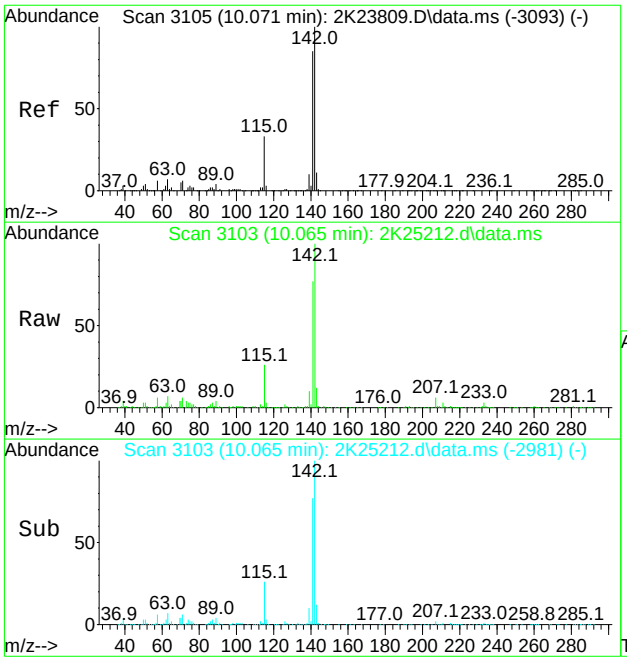


#122
benzyl chloride
Concen: 46.9637 ug/L
RT: 8.499 min Scan# 2616
Delta R.T. -0.006 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion:126 Resp: 206160

Ion	Ratio	Lower	Upper
126	100		
128	32.4	1.1	61.1

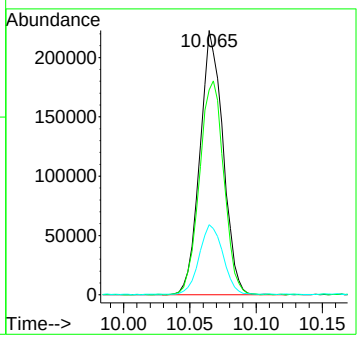




#123
2-methylnaphthalene
Concen: 22.9454 ug/L
RT: 10.065 min Scan# 3103
Delta R.T. -0.006 min
Lab File: 2K25212.d
Acq: 18 Oct 2025 12:10 am

Tgt Ion:142 Resp: 269702

Ion	Ratio	Lower	Upper
142	100		
141	77.4	54.5	114.5
115	26.3	3.3	63.3



Manual Integration Approval Summary

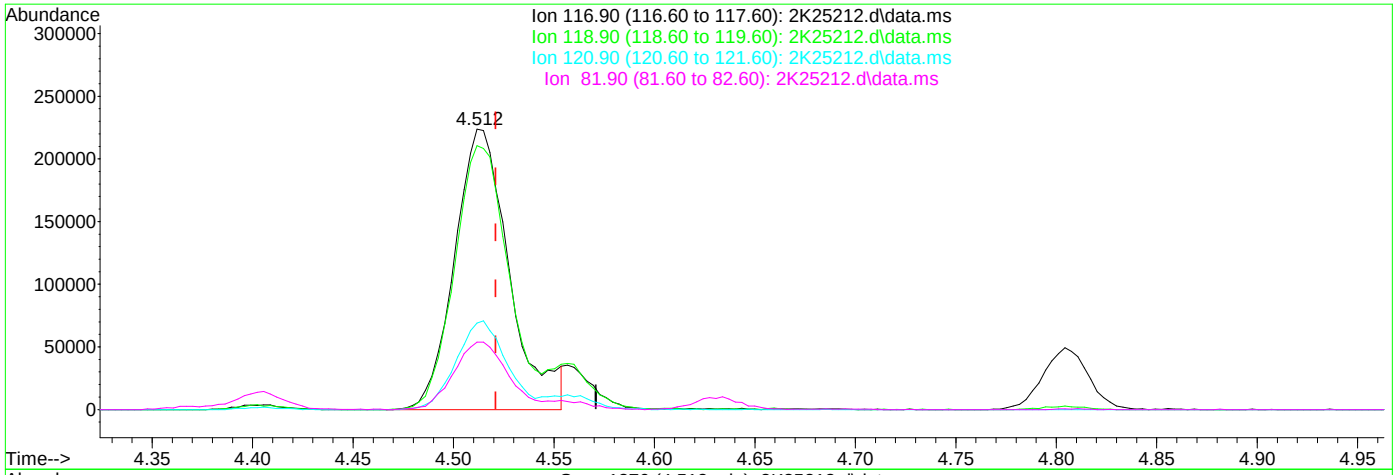
Sample Number:	V2K694-BS	**Method:**	SW846 8260D
Lab FileID:	2K25212.D	**Analyst approved:**	10/20/25 15:14 Karol Nino
Injection Time:	10/18/25 00:10	**Supervisor approved:**	10/22/25 05:53 Janelle Claus

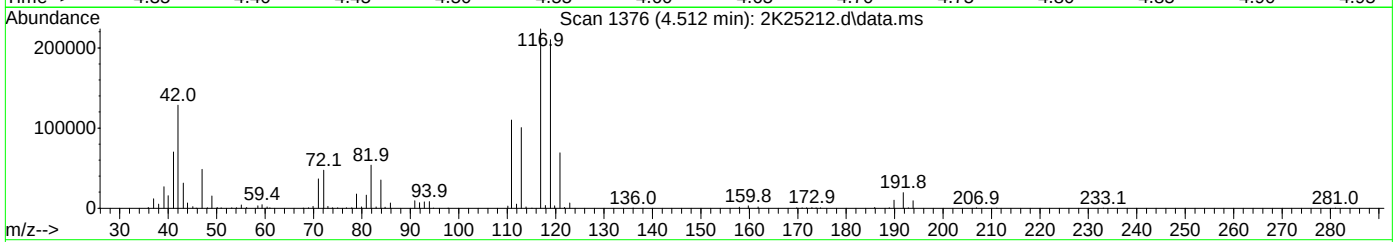
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon tetrachloride	56-23-5		4.51	Overlapping peak

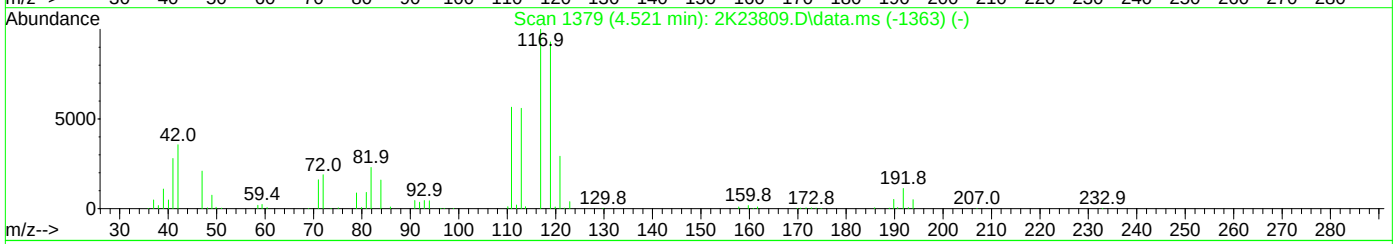
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\karoln\10. October\20102025\v2k694\
Data File : 2K25212.d
Acq On : 18 Oct 2025 12:10 am
Operator : EDWARDD
Sample : bs Inst : GCMSK
Misc : MS97898,V2K694,5,,,,1
ALS Vial : 54 Sample Multiplier: 1

Quant Time: Oct 20 13:29:39 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 13:21:53 2025
Response via : Initial Calibration







TIC: 2K25212.d\data.ms

(47) carbon tetrachloride

4.512min (-0.009) 43.62ug/L

response 423956

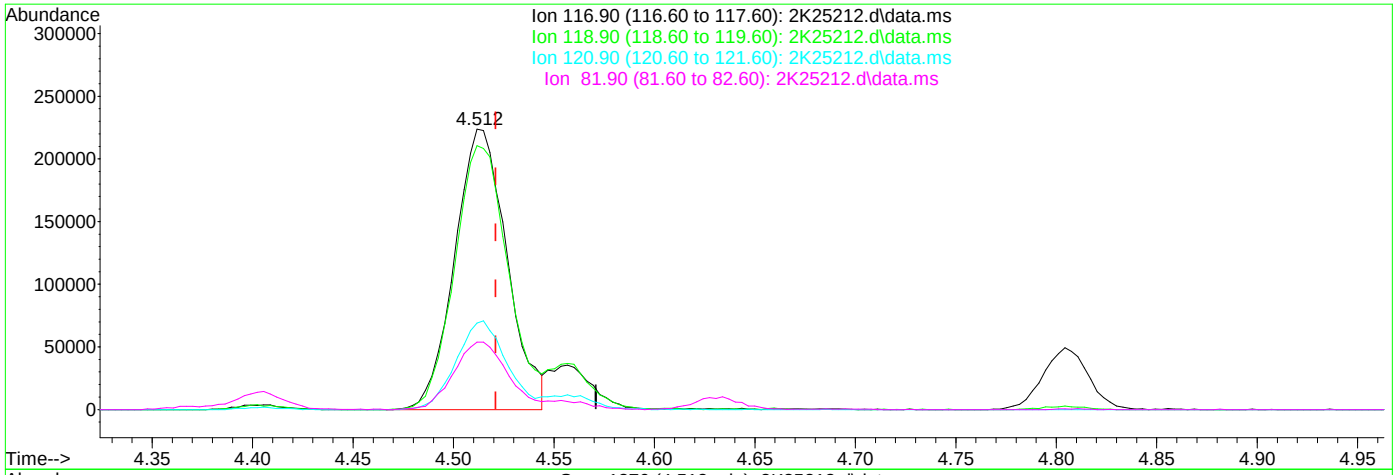
Ion	Exp%	Act%
116.90	100	100
118.90	92.90	94.05
120.90	29.20	30.80
81.90	22.90	24.05

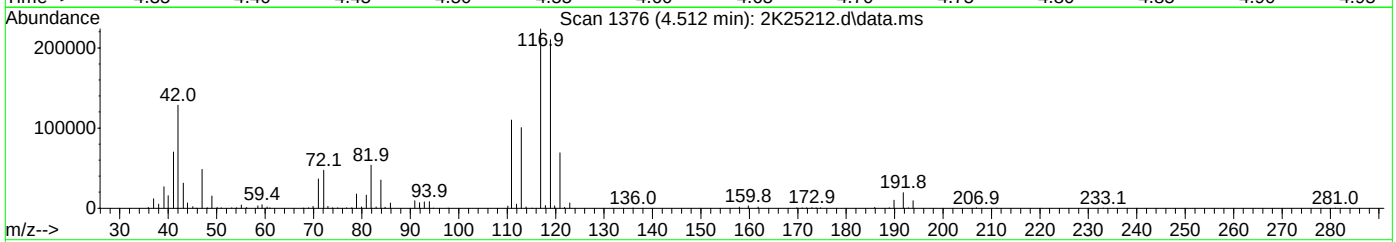
2K25212.D edits: carbon tetrachloride

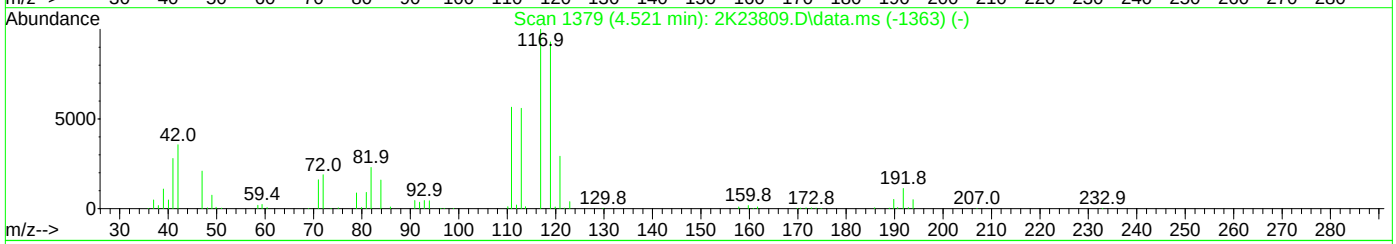
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\karoln\10. October\20102025\v2k694\
Data File : 2K25212.d
Acq On : 18 Oct 2025 12:10 am
Operator : EDWARDD
Sample : bs Inst : GCMSK
Misc : MS97898,V2K694,5,,,,1
ALS Vial : 54 Sample Multiplier: 1

Quant Time: Oct 20 13:29:39 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 13:21:53 2025
Response via : Initial Calibration







TIC: 2K25212.d\data.ms

(47) carbon tetrachloride

4.512min (-0.009) 41.71ug/L m

response 405360

Ion	Exp%	Act%
116.90	100	100
118.90	92.90	94.05
120.90	29.20	30.80
81.90	22.90	24.05

2K25212.D edits: carbon tetrachloride

Manual Integrations APPROVED (compounds with "m" flag)
Janelle Claus
10/22/25 05:53

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\karoln\10. October\20102025\v2k694\
Data File : 2K25218.d
Acq On : 18 Oct 2025 1:52 am
Operator : EDWARDD
Sample : je20825-1ms Inst : GCMSK
Misc : MS98030,V2K694,5,,,,1
ALS Vial : 60 Sample Multiplier: 1

Quant Time: Oct 20 14:30:15 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 13:21:53 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	3.499	65	843014	500.00	ug/L	0.00
5) pentafluorobenzene	4.804	168	861084	50.00	ug/L	0.00
50) 1,4-difluorobenzene	5.168	114	1359480	50.00	ug/L	0.00
72) chlorobenzene-d5	7.106	117	1141573	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	8.373	152	582100	50.00	ug/L	0.00
124) pentafluorobenzene(a)	4.804	168	861084	50.00	ug/L	0.00
128) 1,4-dichlorobenzene-d4(a)	8.373	152	582100	50.00	ug/L	0.00
System Monitoring Compounds						
42) dibromofluoromethane (s)	4.524	113	347166	47.27	ug/L	0.00
Spiked Amount 50.000	Range 75 - 127		Recovery = 94.54%			
51) 1,2-dichloroethane-d4 (s)	4.878	65	446146	46.34	ug/L	0.00
Spiked Amount 50.000	Range 75 - 130		Recovery = 92.68%			
73) toluene-d8 (s)	6.116	98	1514641	48.14	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 96.28%			
97) 4-bromofluorobenzene (s)	7.785	95	539813	44.18	ug/L	0.00
Spiked Amount 50.000	Range 79 - 127		Recovery = 88.36%			
Target Compounds						Qvalue
2) ethanol	2.830	45	992808	4646.0837	ug/L	98
3) tertiary butyl alcohol	3.547	59	464276	242.4994	ug/L	99
4) 1,4-dioxane	5.672	88	150497	1091.2437	ug/L	98
6) chlorodifluoromethane	1.769	51	496033	42.7027	ug/L	100
7) dichlorodifluoromethane	1.727	85	380064	44.7224	ug/L	98
8) chloromethane	1.914	50	495577	50.0816	ug/L	99
9) vinyl chloride	1.978	62	433396	52.5612	ug/L	99
10) 1,3-butadiene	1.991	39	553823	67.5103	ug/L	98
11) bromomethane	2.254	96	78424	29.8428	ug/L #	94
12) chloroethane	2.361	64	179122	43.3944	ug/L	94
13) trichlorofluoromethane	2.483	101	478053	42.4695	ug/L	97
14) ethyl ether	2.730	74	176138	43.3804	ug/L	97
16) freon 113	2.930	151	230090	45.8332	ug/L	98
17) 1,1-dichloroethene	2.904	61	489631	46.3493	ug/L	98
18) acetone	3.357	58	216640	166.8861	ug/L	88
19) acetonitrile	3.695	41	872811	444.4626	ug/L	99
20) iodomethane	3.026	142	233488	35.8916	ug/L	99
21) carbon disulfide	2.943	76	829335	46.1652	ug/L	99
22) methylene chloride	3.338	84	272759	43.9800	ug/L	98
23) methyl acetate	3.438	74	74213	41.6360	ug/L	99
24) methyl tert butyl ether	3.512	73	886769	41.2482	ug/L	96
25) trans-1,2-dichloroethene	3.451	96	291380	46.4345	ug/L	96
26) hexane	3.502	57	751454	44.9437	ug/L	99
27) di-isopropyl ether	3.762	45	1209041	43.7714	ug/L	98
28) ethyl tert-butyl ether	4.007	59	1047681	42.3652	ug/L	98
29) 2-butanone	4.592	72	259548	184.2329	ug/L #	85
30) 1,1-dichloroethane	3.878	63	582607	45.4267	ug/L	99
31) chloroprene	3.862	53	629262	45.3471	ug/L	97
33) vinyl acetate	4.020	86	82310	47.6796	ug/L #	90
34) ethyl acetate	4.454	70	43955	37.5181	ug/L	84
35) 2,2-dichloropropane	4.309	77	443109	43.3045	ug/L	100
36) cis-1,2-dichloroethene	4.238	96	294521	44.4683	ug/L	95
37) propionitrile	4.795	54	964340	441.8394	ug/L	98
38) methyl acrylate	4.470	85	66489	42.9909	ug/L	98
39) bromochloromethane	4.373	128	139956	48.3207	ug/L #	81
40) tetrahydrofuran	4.512	71	61426	42.2092	ug/L	95
41) chloroform	4.406	83	509649	42.1852	ug/L	98
43) methacrylonitrile	4.811	67	181500	41.6913	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\karoln\10. October\20102025\v2k694\
Data File : 2K25218.d
Acq On : 18 Oct 2025 1:52 am
Operator : EDWARDD
Sample : je20825-1ms Inst : GCMSK
Misc : MS98030,V2K694,5,,,,1
ALS Vial : 60 Sample Multiplier: 1

Quant Time: Oct 20 14:30:15 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 13:21:53 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 1,1,1-trichloroethane	4.557	97	453555	43.9000	ug/L		98
45) cyclohexane	4.383	84	481117	51.8589	ug/L		99
46) 1,1-dichloropropene	4.634	75	424729	47.0563	ug/L		98
47) carbon tetrachloride	4.515	117	419379m	44.5588	ug/L		
49) tert-amyl alcohol	4.939	55	151200	214.3055	ug/L		96
52) iso-octane	4.688	57	897187	34.9341	ug/L		89
53) benzene	4.795	78	1517464	59.1408	ug/L		96
54) tert-amyl methyl ether	4.836	73	921304	42.2739	ug/L		98
55) heptane	4.740	57	172902	46.2096	ug/L		98
56) isopropyl acetate	5.029	87	91192	43.4255	ug/L	#	86
57) 1,2-dichloroethane	4.923	62	416840	40.4023	ug/L		95
58) n-butyl alcohol	5.312	56	1301462	2279.6161	ug/L		99
59) ethyl acrylate	5.473	55	630402	44.8899	ug/L		99
60) trichloroethene	5.161	130	322760	51.6039	ug/L		98
61) 2-nitropropane	6.306	41	152695	41.5243	ug/L		99
63) methyl methacrylate	5.614	100	113094	46.3808	ug/L		93
64) 1,2-dichloropropane	5.508	63	328170	45.8629	ug/L		99
65) methylcyclohexane	5.168	98	223422	48.9436	ug/L		89
66) dibromomethane	5.444	93	167859	42.2647	ug/L		94
67) bromodichloromethane	5.541	83	376863	43.9925	ug/L		93
68) epichlorohydrin	6.151	57	263189	165.7446	ug/L		97
69) cis-1,3-dichloropropene	5.987	75	470722	43.0729	ug/L		96
70) 4-methyl-2-pentanone	6.380	58	822352	176.2901	ug/L		100
71) 3-methyl-1-butanol	6.216	70	393744	886.7048	ug/L		99
74) toluene	6.155	92	777958	47.3802	ug/L		98
75) ethyl methacrylate	6.489	69	448681	43.6384	ug/L		95
76) trans-1,3-dichloropropene	6.415	75	449390	41.5677	ug/L		98
77) 1,1,2-trichloroethane	6.528	83	215762	43.2847	ug/L		95
78) tetrachloroethene	6.418	166	318202	50.5963	ug/L		96
79) 2-hexanone	6.901	58	902388	175.4882	ug/L		96
80) 1,3-dichloropropane	6.704	76	463369	42.7216	ug/L		99
81) butyl acetate	6.827	56	323205	43.0245	ug/L		97
82) dibromochloromethane	6.647	129	297440	46.0565	ug/L		97
83) 1,2-dibromoethane	6.811	107	270243	44.5339	ug/L		99
84) n-butyl ether	7.010	57	1610683	46.8362	ug/L		99
85) chlorobenzene	7.116	112	836794	48.9961	ug/L	#	55
86) 1,1,1,2-tetrachloroethane	7.148	131	292011	48.0816	ug/L		97
87) ethylbenzene	7.116	91	8061311	256.6869	ug/L		89
88) m,p-xylene	7.200	106	1286410	111.7052	ug/L		96
89) o-xylene	7.450	106	1408790	125.7718	ug/L		95
90) styrene	7.476	104	901918	47.4065	ug/L		95
91) bromoform	7.512	173	218062	42.4125	ug/L		98
92) butyl acrylate	7.518	55	872071	45.3300	ug/L		98
93) isopropylbenzene	7.618	105	1684506	60.4955	ug/L		99
94) n-amyl acetate	7.656	70	277263	44.7609	ug/L		95
95) cis-1,4-dichloro-2-butene	7.811	88	54221	12.1907	ug/L	#	84
98) bromobenzene	7.852	156	338326	45.3595	ug/L		95
99) 1,1,2,2-tetrachloroethane	7.878	83	405104	41.9949	ug/L		97
100) trans-1,4-dichloro-2-b...	7.975	53	60626	13.7168	ug/L	#	45
101) 1,2,3-trichloropropane	7.962	110	134252	41.0999	ug/L		99
102) n-propylbenzene	7.843	91	1698980	49.6450	ug/L		99
103) 2-chlorotoluene	7.942	126	345747	49.4010	ug/L		94
104) 4-chlorotoluene	8.029	91	988956	44.1103	ug/L		95
105) 1,3,5-trimethylbenzene	7.939	105	1304306	55.7884	ug/L		99
106) tert-butylbenzene	8.116	119	950588	47.4060	ug/L		97
107) 1,2,4-trimethylbenzene	8.148	105	1972925	84.9883	ug/L		98
108) sec-butylbenzene	8.206	105	1290402	48.7185	ug/L		99
109) 1,3-dichlorobenzene	8.338	146	640772	46.3956	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\karoln\10. October\20102025\v2k694\
Data File : 2K25218.d
Acq On : 18 Oct 2025 1:52 am
Operator : EDWARDD
Sample : je20825-1ms Inst : GCMSK
Misc : MS98030,V2K694,5,,,,1
ALS Vial : 60 Sample Multiplier: 1

Quant Time: Oct 20 14:30:15 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 13:21:53 2025
Response via : Initial Calibration

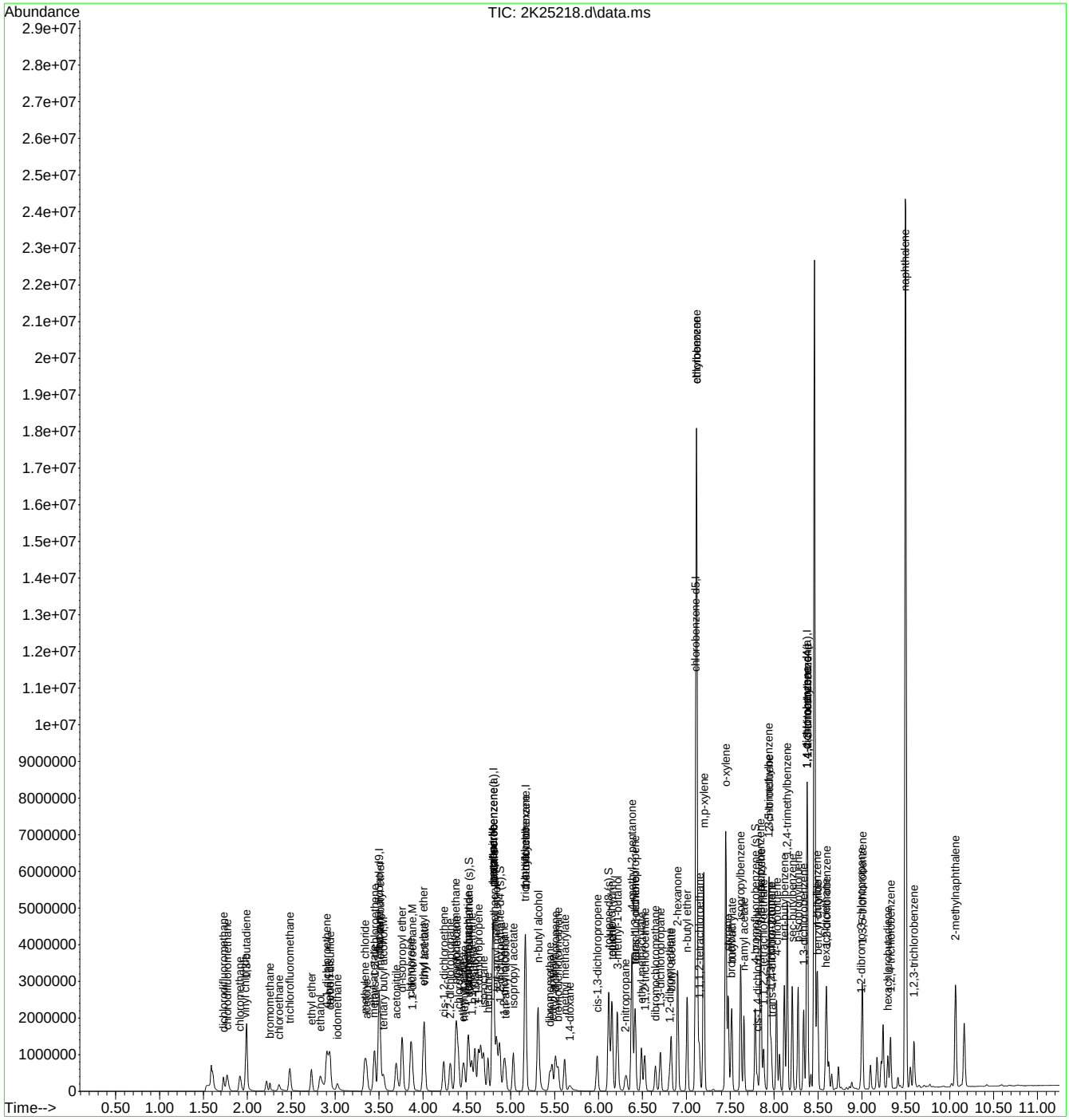
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110) p-isopropyltoluene	8.274	119	1177150	50.9897	ug/L	95
111) 1,4-dichlorobenzene	8.380	146	657071	47.7211	ug/L	97
112) 1,2-dichlorobenzene	8.598	146	615637	46.7853	ug/L	98
113) 1,2,3-trimethylbenzene	8.380	105	1486167	61.3407	ug/L	96
114) n-butylbenzene	8.489	92	570154	49.6067	ug/L	94
115) 1,2-dibromo-3-chloropr...	8.994	157	128660	42.8645	ug/L	95
116) 1,3,5-trichlorobenzene	9.007	180	354352	46.8408	ug/L	99
117) 1,2,4-trichlorobenzene	9.325	180	313973	47.2386	ug/L	97
118) hexachlorobutadiene	9.296	225	122319	49.9374	ug/L	92
119) naphthalene	9.492	128	12159763	514.4250	ug/L	94
120) 1,2,3-trichlorobenzene	9.592	180	291698	46.2606	ug/L	95
121) hexachloroethane	8.589	119	188340	45.0622	ug/L	95
122) benzyl chloride	8.499	126	187981	43.3000	ug/L	100
123) 2-methylnaphthalene	10.064	142	1154664	99.3308	ug/L	97

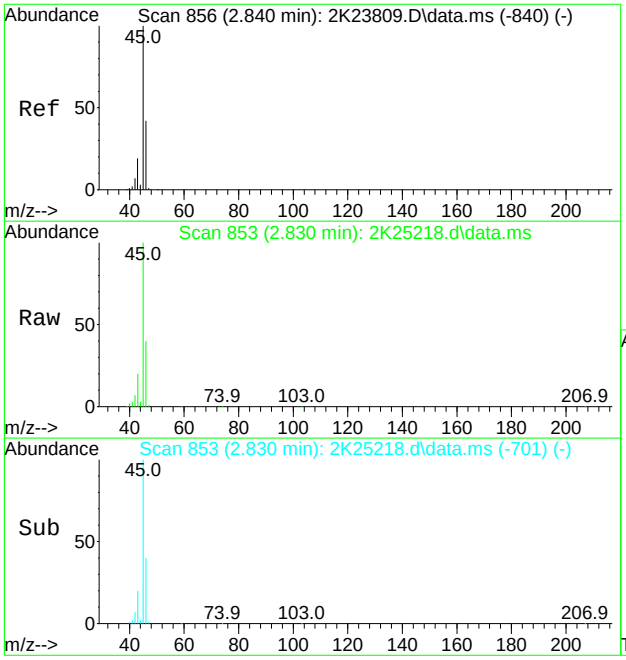
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\karoln\10. October\20102025\v2k694\
Data File : 2K25218.d
Acq On : 18 Oct 2025 1:52 am
Operator : EDWARDD
Sample : je20825-1ms Inst : GCMSK
Misc : MS98030,V2K694,5,,,,1
ALS Vial : 60 Sample Multiplier: 1

Quant Time: Oct 20 14:30:15 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 13:21:53 2025
Response via : Initial Calibration

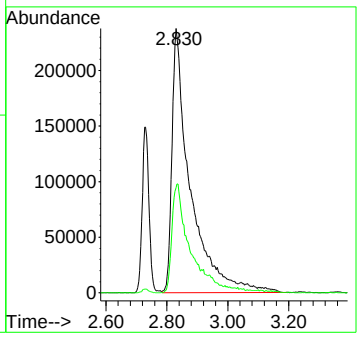


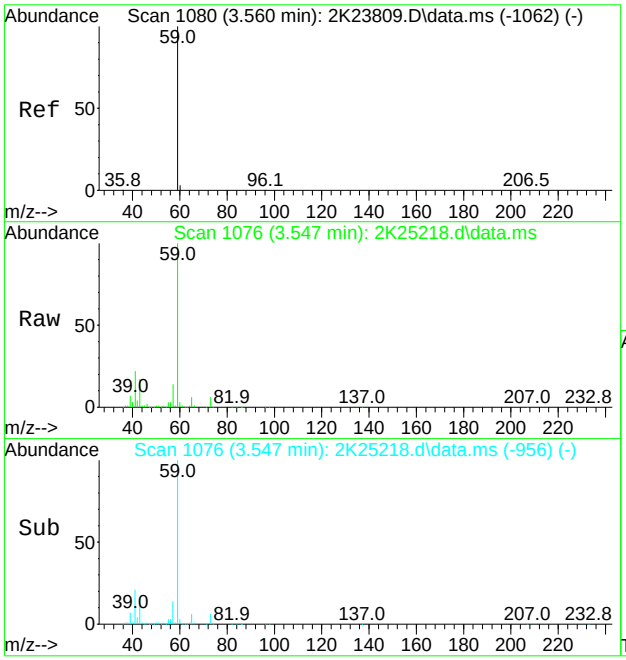


#2
ethanol
Concen: 4646.0837 ug/L
RT: 2.830 min Scan# 853
Delta R.T. -0.010 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion: 45 Resp: 992808

Ion	Ratio	Lower	Upper
45	100		
46	39.8	21.3	61.3

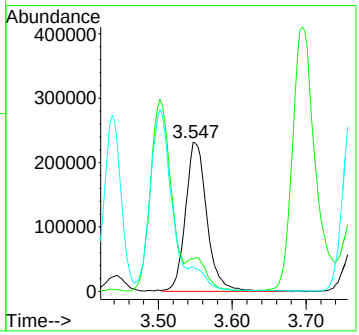


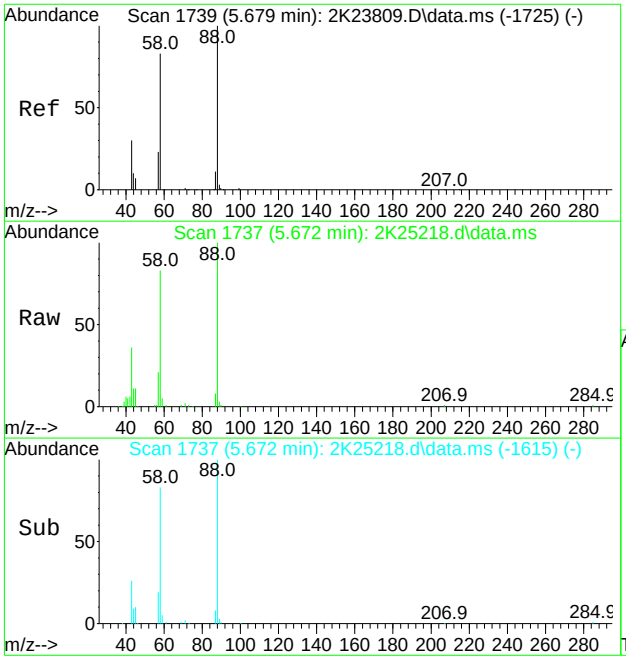


#3
tertiary butyl alcohol
Concen: 242.4994 ug/L
RT: 3.547 min Scan# 1076
Delta R.T. -0.013 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion: 59 Resp: 464276

Ion	Ratio	Lower	Upper
59	100		
41	0.0	0.0	30.0
43	16.1	0.0	45.5

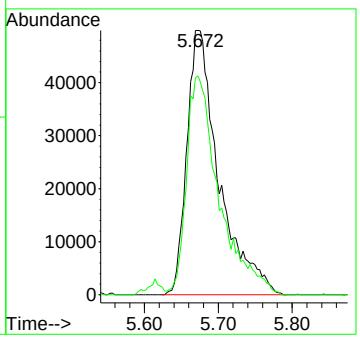


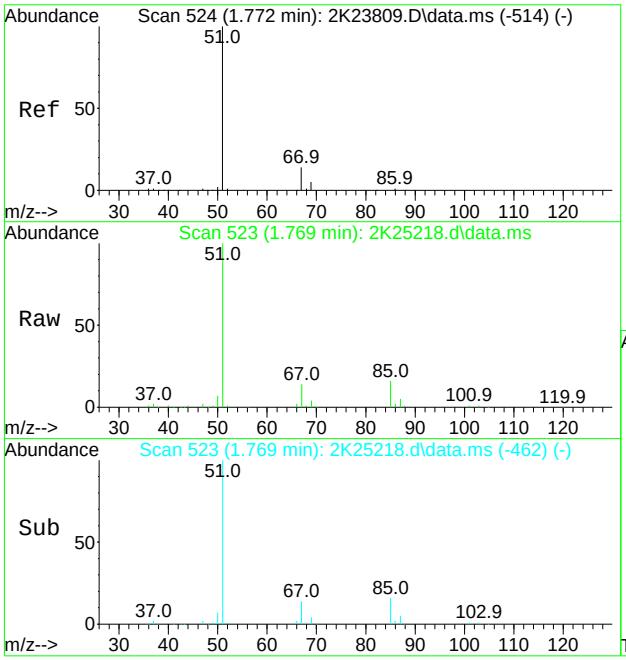


#4
1,4-dioxane
Concen: 1091.2437 ug/L
RT: 5.672 min Scan# 1737
Delta R.T. -0.007 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion: 88 Resp: 150497

Ion	Ratio	Lower	Upper
88	100		
58	82.8	64.5	104.5

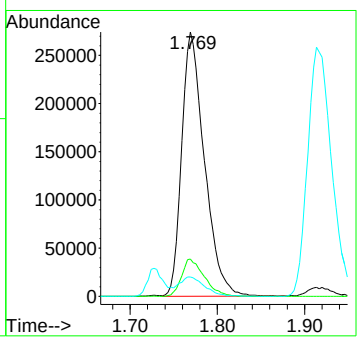


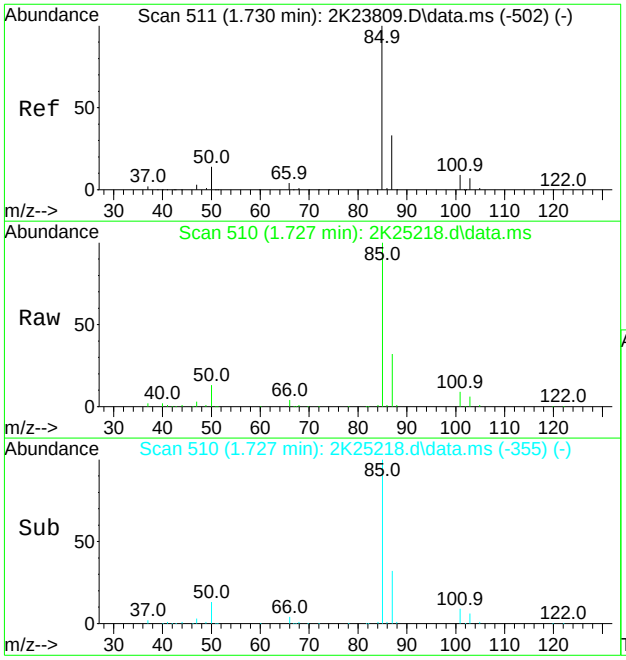


#6
chlorodifluoromethane
Concen: 42.7027 ug/L
RT: 1.769 min Scan# 523
Delta R.T. -0.003 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion: 51 Resp: 496033

Ion	Ratio	Lower	Upper
51	100		
67	14.2	0.0	44.0
50	7.4	0.0	37.4

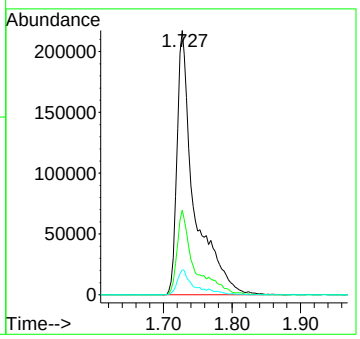


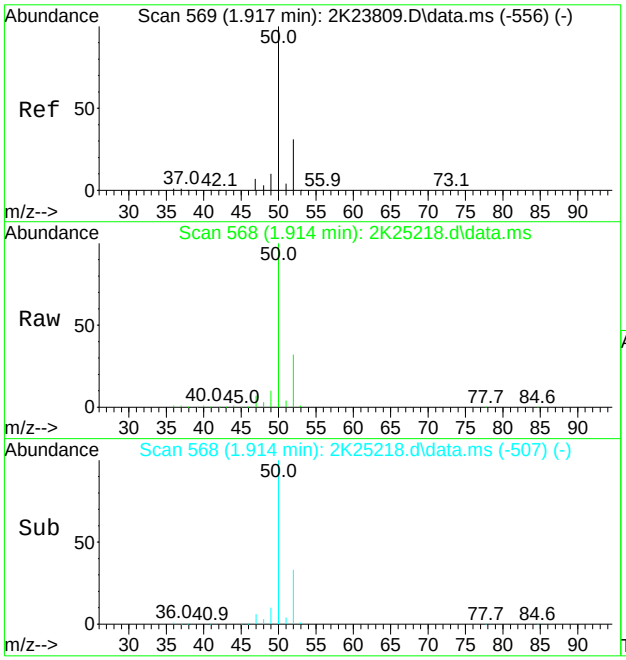


#7
dichlorodifluoromethane
Concen: 44.7224 ug/L
RT: 1.727 min Scan# 510
Delta R.T. -0.003 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion: 85 Resp: 380064

Ion	Ratio	Lower	Upper
85	100		
87	32.0	3.4	63.4
101	9.4	0.0	39.0

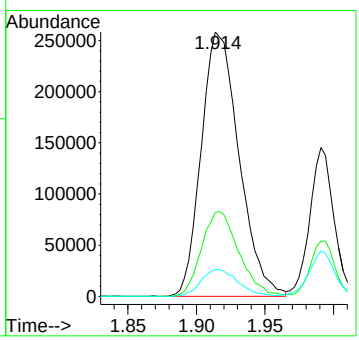


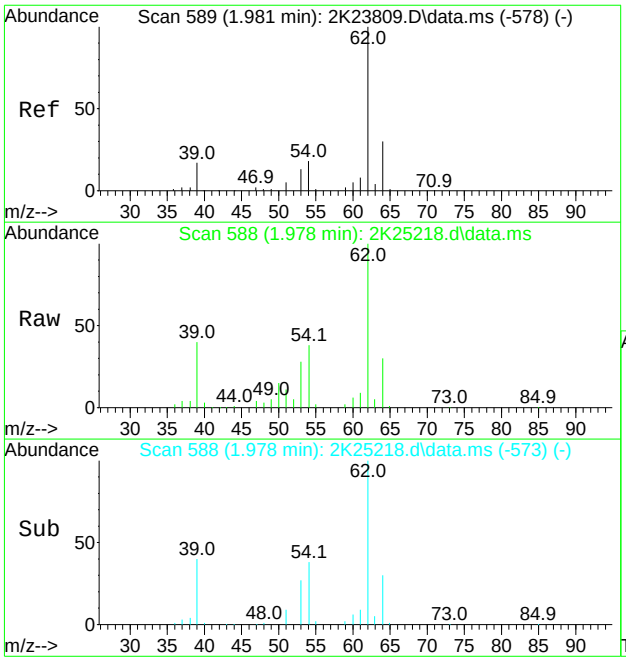


#8
chloromethane
Concen: 50.0816 ug/L
RT: 1.914 min Scan# 568
Delta R.T. -0.003 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion: 50 Resp: 495577

Ion	Ratio	Lower	Upper
50	100		
52	31.8	0.8	60.8
49	10.1	0.0	40.1

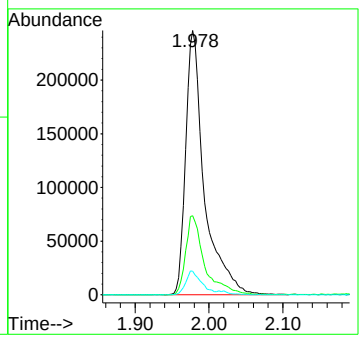


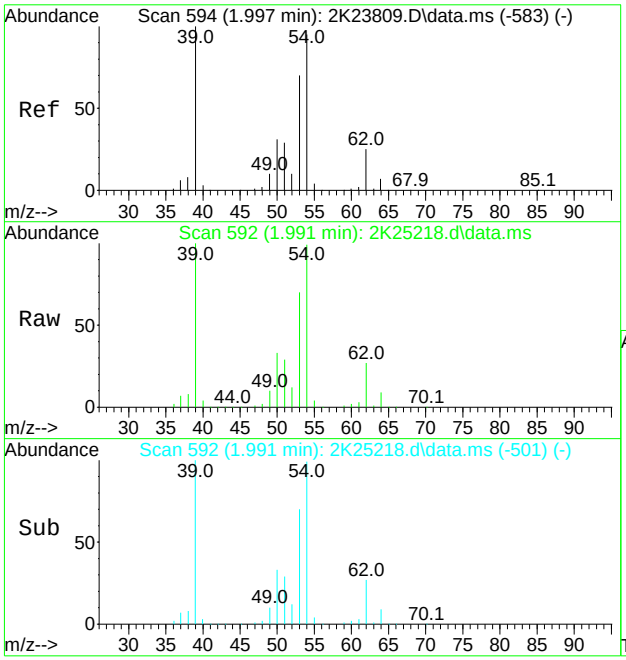


#9
vinyl chloride
Concen: 52.5612 ug/L
RT: 1.978 min Scan# 588
Delta R.T. -0.003 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion: 62 Resp: 433396

Ion	Ratio	Lower	Upper
62	100		
64	30.0	0.0	60.0
61	8.9	0.0	37.6

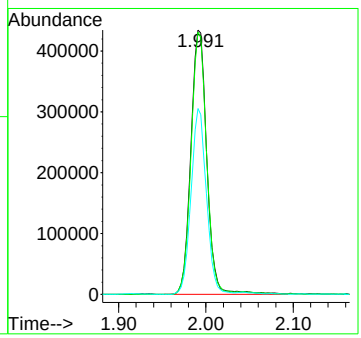


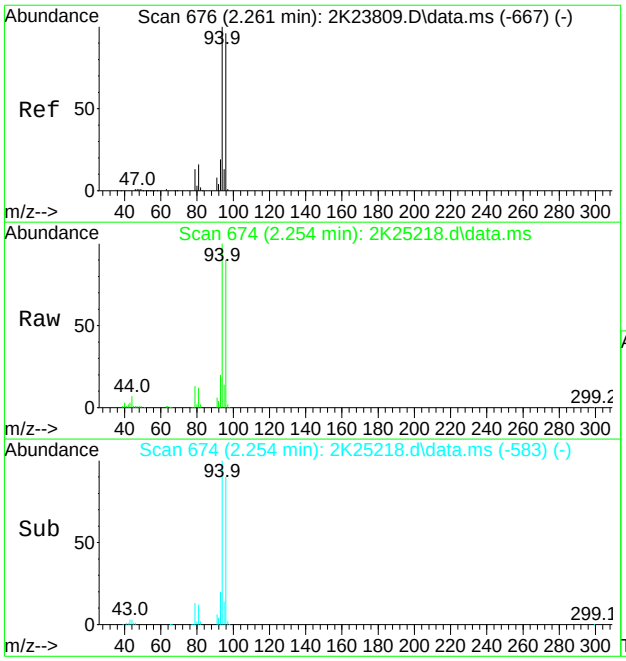


#10
1,3-butadiene
Concen: 67.5103 ug/L
RT: 1.991 min Scan# 592
Delta R.T. -0.006 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion: 39 Resp: 553823

Ion	Ratio	Lower	Upper
39	100		
54	99.2	65.4	125.4
53	70.3	40.3	100.3

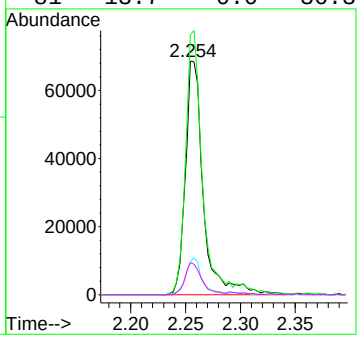


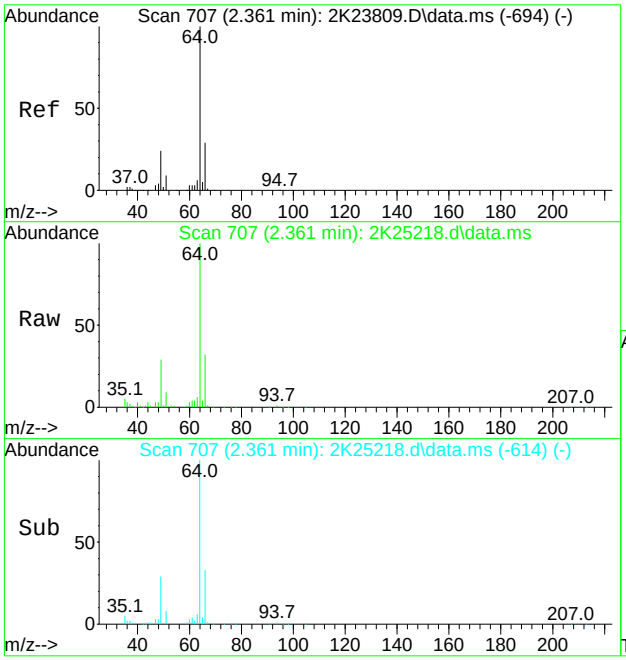


#11
bromomethane
Concen: 29.8428 ug/L
RT: 2.254 min Scan# 674
Delta R.T. -0.007 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion: 96 Resp: 78424

Ion	Ratio	Lower	Upper
96	100		
94	111.2	74.5	134.5
79	14.1	13.7	13.7#
81	13.7	0.0	36.3

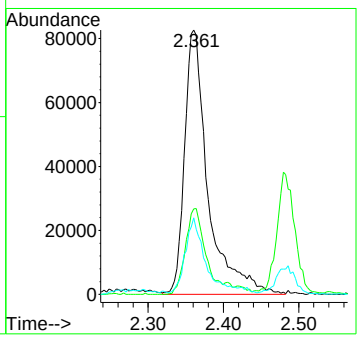


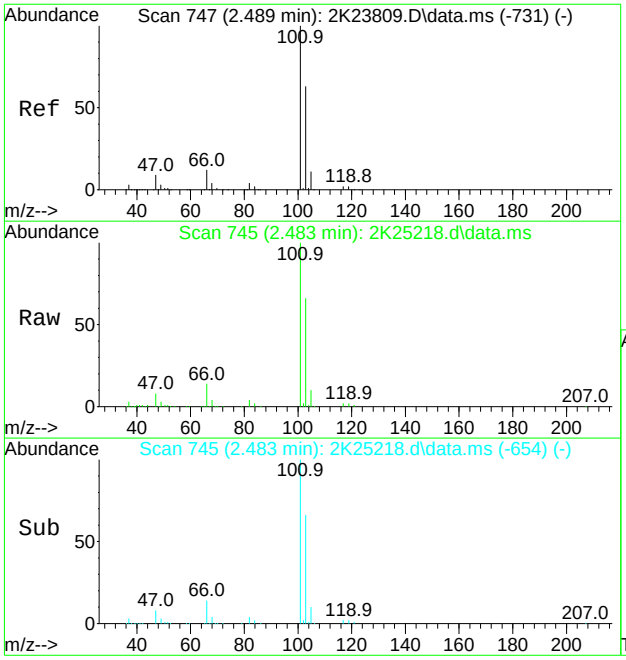


#12
chloroethane
Concen: 43.3944 ug/L
RT: 2.361 min Scan# 707
Delta R.T. -0.000 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion: 64 Resp: 179122

Ion	Ratio	Lower	Upper
64	100		
66	32.4	0.0	59.3
49	27.7	0.0	54.3

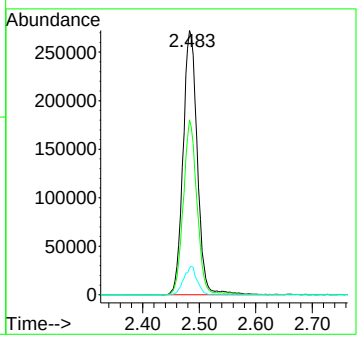


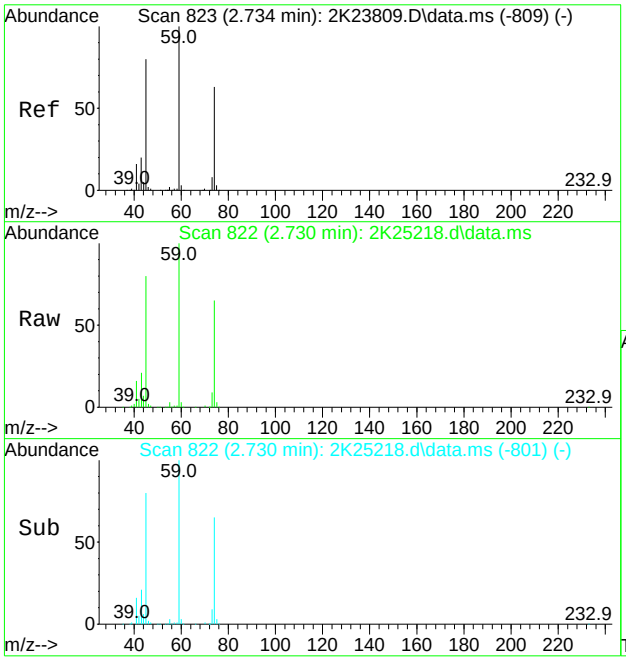


#13
trichlorofluoromethane
Concen: 42.4695 ug/L
RT: 2.483 min Scan# 745
Delta R.T. -0.006 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion:101 Resp: 478053

Ion	Ratio	Lower	Upper
101	100		
103	66.1	33.3	93.3
105	10.1	0.0	40.7

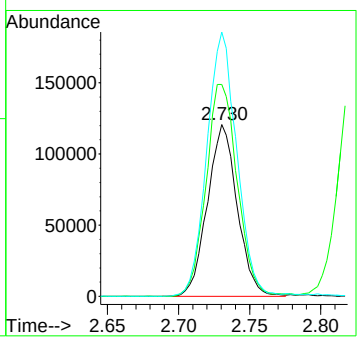


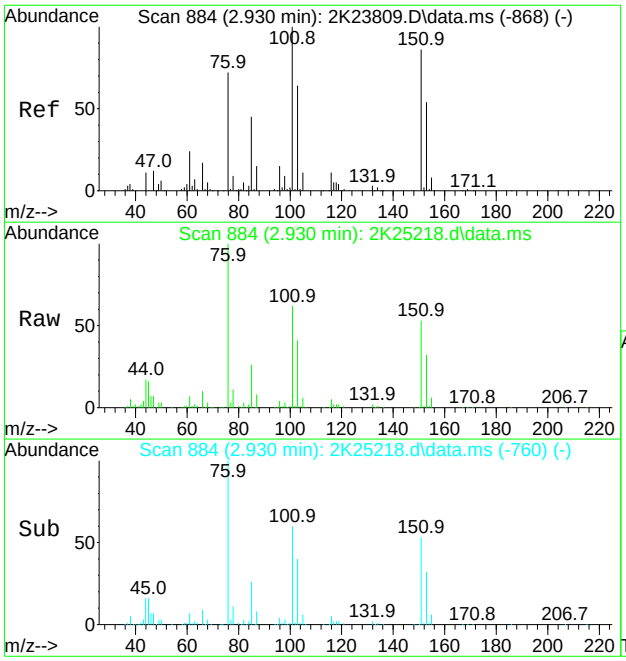


#14
ethyl ether
Concen: 43.3804 ug/L
RT: 2.730 min Scan# 822
Delta R.T. -0.004 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion: 74 Resp: 176138

Ion	Ratio	Lower	Upper
74	100		
45	123.4	96.7	156.7
59	153.9	128.9	188.9

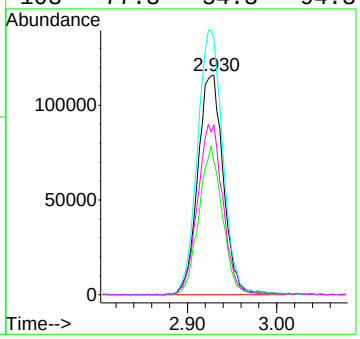


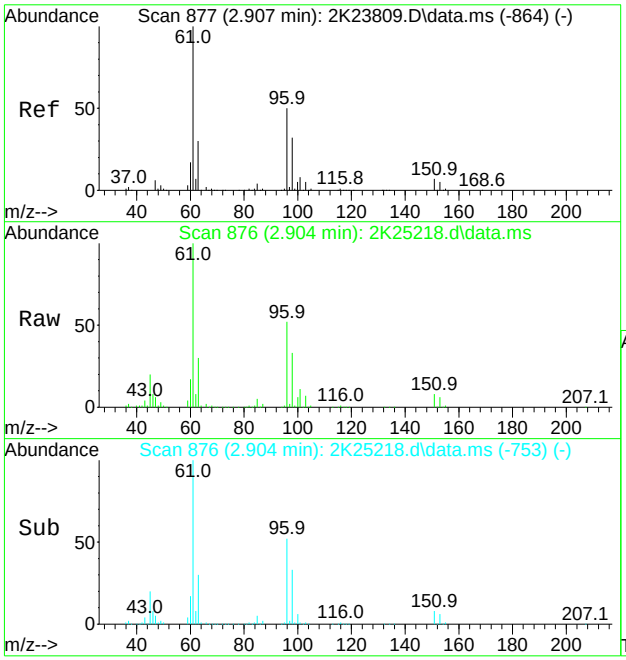


#16
freon 113
Concen: 45.8332 ug/L
RT: 2.930 min Scan# 884
Delta R.T. -0.000 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion:151 Resp: 230090

Ion	Ratio	Lower	Upper
151	100		
153	60.4	43.0	83.0
101	116.7	95.9	135.9
103	77.3	54.3	94.3

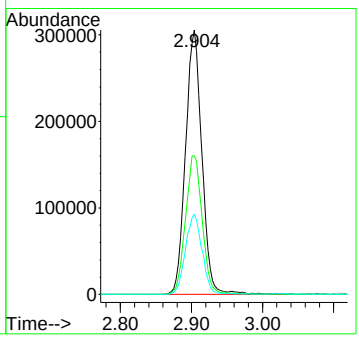


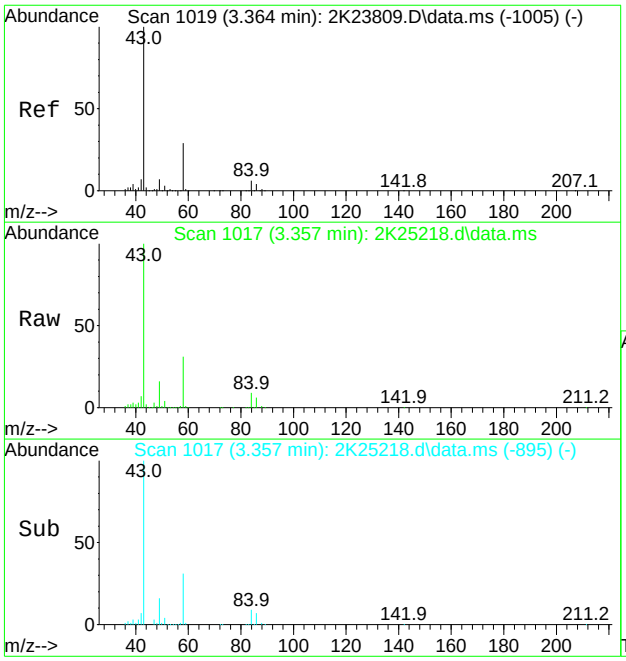


#17
1,1-dichloroethene
Concen: 46.3493 ug/L
RT: 2.904 min Scan# 876
Delta R.T. -0.003 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion: 61 Resp: 489631

Ion	Ratio	Lower	Upper
61	100		
96	52.4	19.8	79.8
63	30.3	0.4	60.4

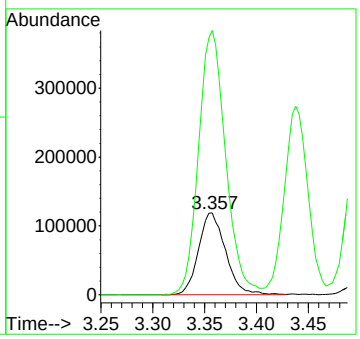


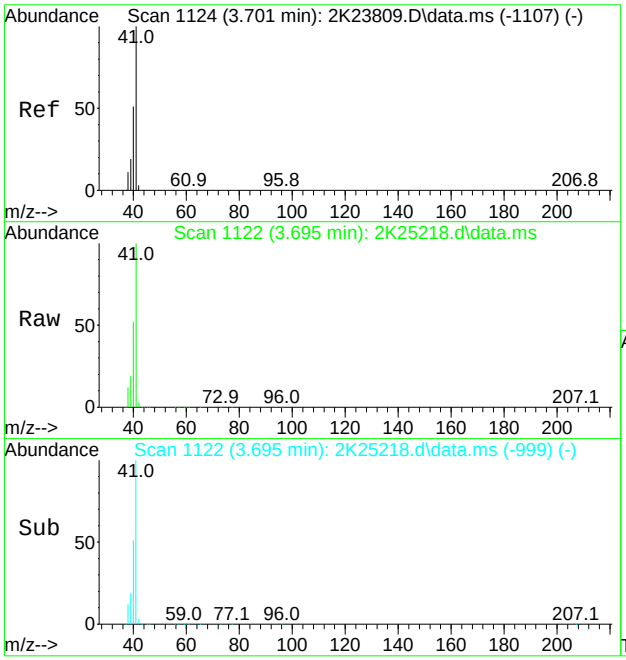


#18
acetone
Concen: 166.8861 ug/L
RT: 3.357 min Scan# 1017
Delta R.T. -0.007 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion: 58 Resp: 216640

Ion	Ratio	Lower	Upper
58	100		
43	322.3	317.9	377.9

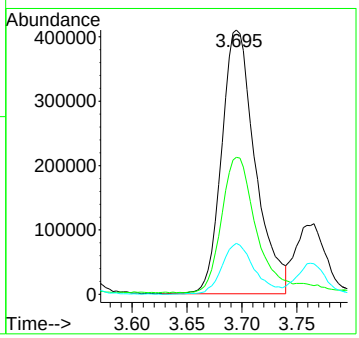


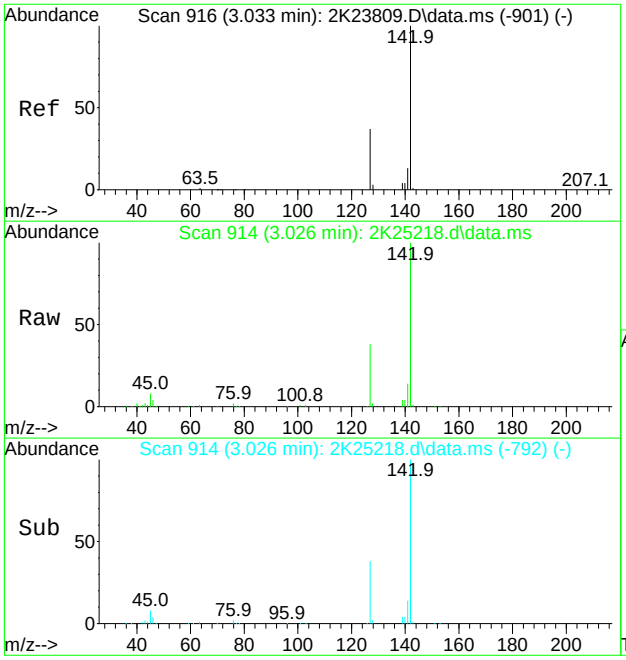


#19
acetonitrile
Concen: 444.4626 ug/L
RT: 3.695 min Scan# 1122
Delta R.T. -0.006 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion: 41 Resp: 872811

Ion	Ratio	Lower	Upper
41	100		
40	51.1	20.7	80.7
39	19.2	0.0	48.9

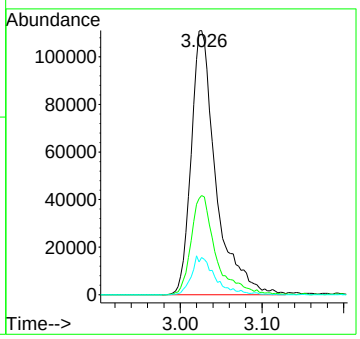


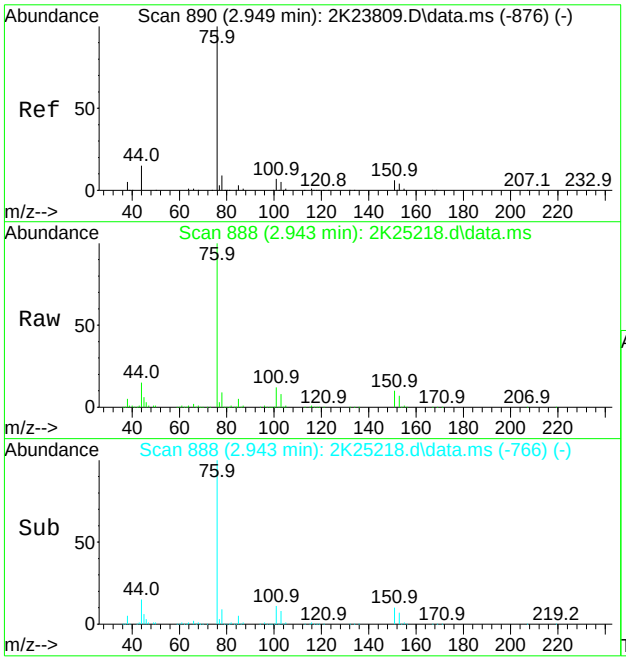


#20
iodomethane
Concen: 35.8916 ug/L
RT: 3.026 min Scan# 914
Delta R.T. -0.007 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion:142 Resp: 233488

Ion	Ratio	Lower	Upper
142	100		
127	37.6	7.2	67.2
141	14.2	0.0	43.3

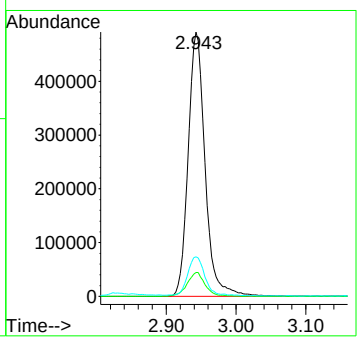


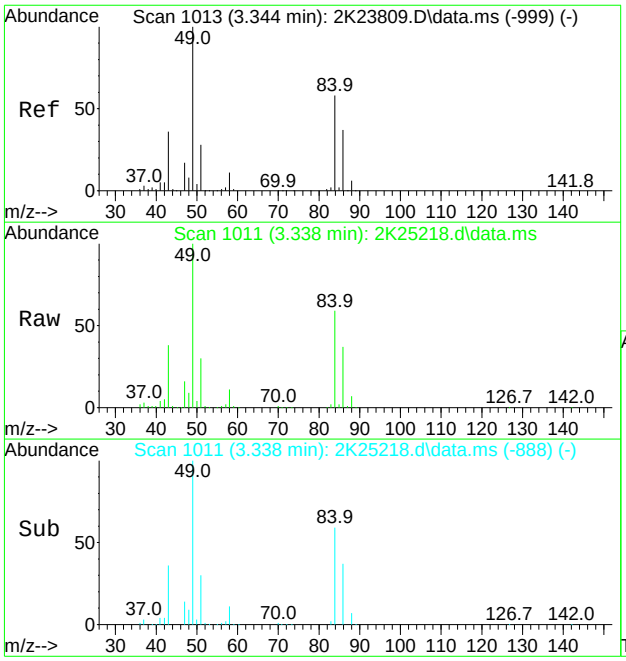


#21
carbon disulfide
Concen: 46.1652 ug/L
RT: 2.943 min Scan# 888
Delta R.T. -0.006 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion: 76 Resp: 829335

Ion	Ratio	Lower	Upper
76	100		
78	9.0	0.0	39.4
44	14.7	0.0	44.9

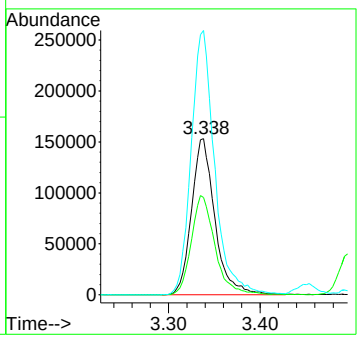


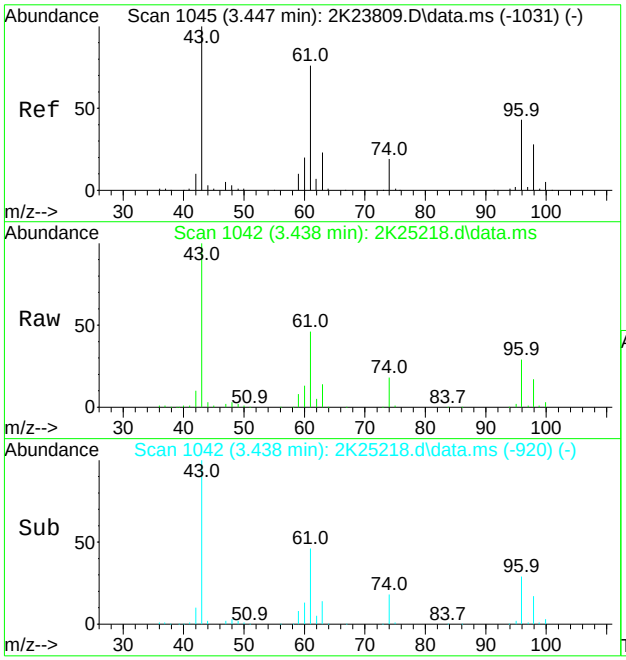


#22
methylene chloride
Concen: 43.9800 ug/L
RT: 3.338 min Scan# 1011
Delta R.T. -0.006 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion: 84 Resp: 272759

Ion	Ratio	Lower	Upper
84	100		
86	62.3	33.4	93.4
49	169.2	141.9	201.9

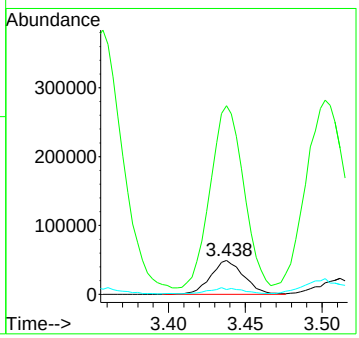


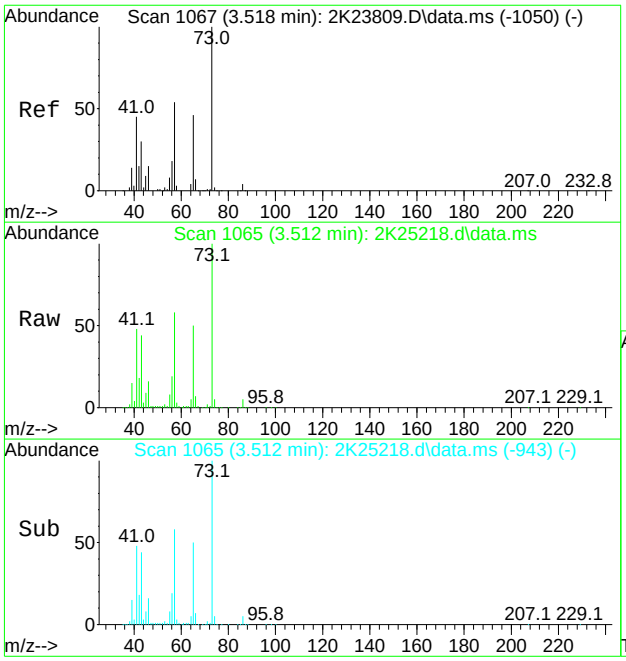


#23
methyl acetate
Concen: 41.6360 ug/L
RT: 3.438 min Scan# 1042
Delta R.T. -0.009 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion: 74 Resp: 74213

Ion	Ratio	Lower	Upper
74	100		
43	525.1	492.7	552.7
44	12.3	0.0	46.4

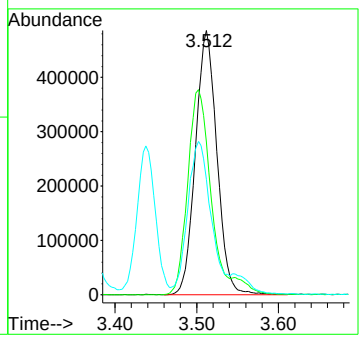


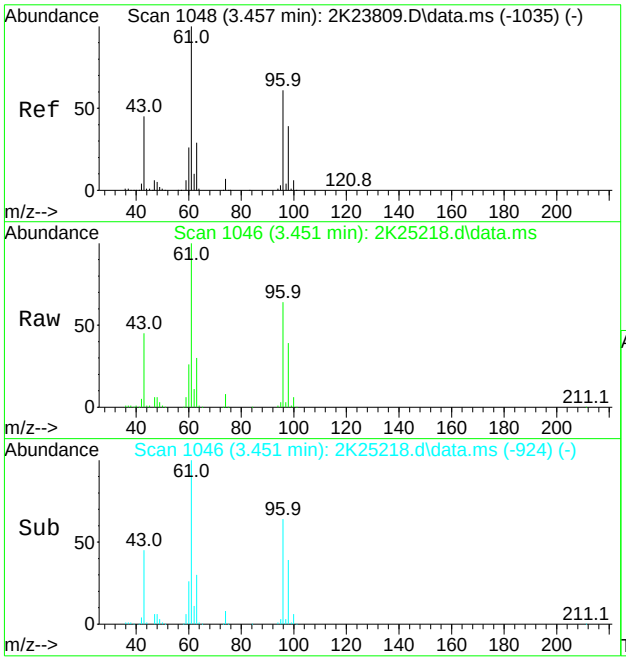


#24
methyl tert butyl ether
Concen: 41.2482 ug/L
RT: 3.512 min Scan# 1065
Delta R.T. -0.006 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion: 73 Resp: 886769

Ion	Ratio	Lower	Upper
73	100		
57	57.6	23.8	83.8
43	43.4	11.7	71.7

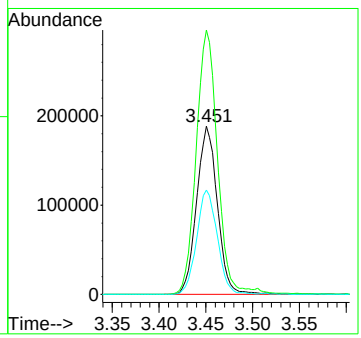


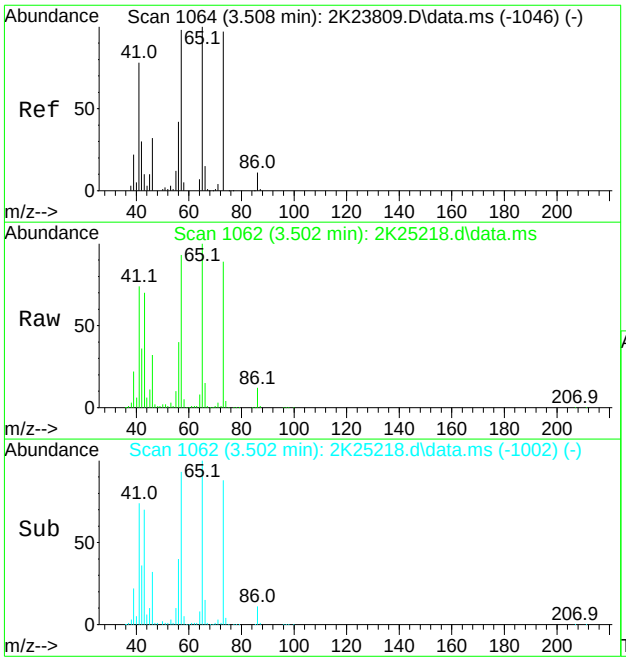


#25
trans-1,2-dichloroethene
Concen: 46.4345 ug/L
RT: 3.451 min Scan# 1046
Delta R.T. -0.006 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion: 96 Resp: 291380

Ion	Ratio	Lower	Upper
96	100		
61	157.3	132.8	192.8
98	62.0	34.2	94.2

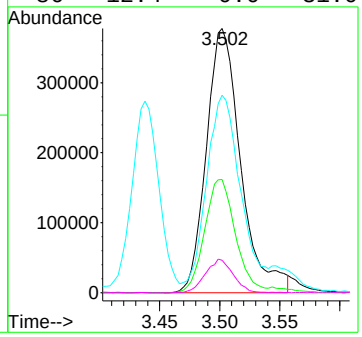


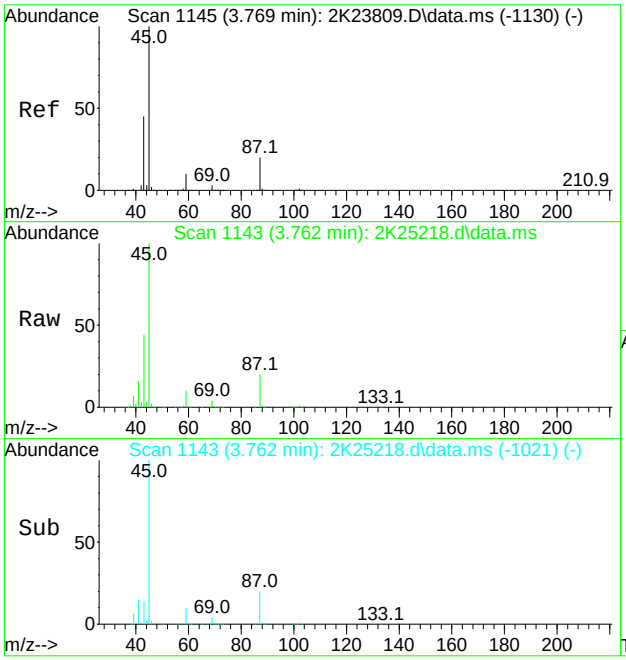


#26
hexane
Concen: 44.9437 ug/L
RT: 3.502 min Scan# 1062
Delta R.T. -0.006 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion: 57 Resp: 751454

Ion	Ratio	Lower	Upper
57	100		
56	42.9	22.5	62.5
43	66.2	45.1	85.1
86	12.4	0.0	31.0

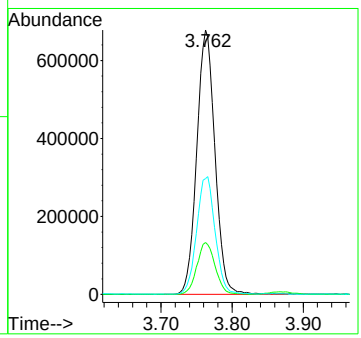


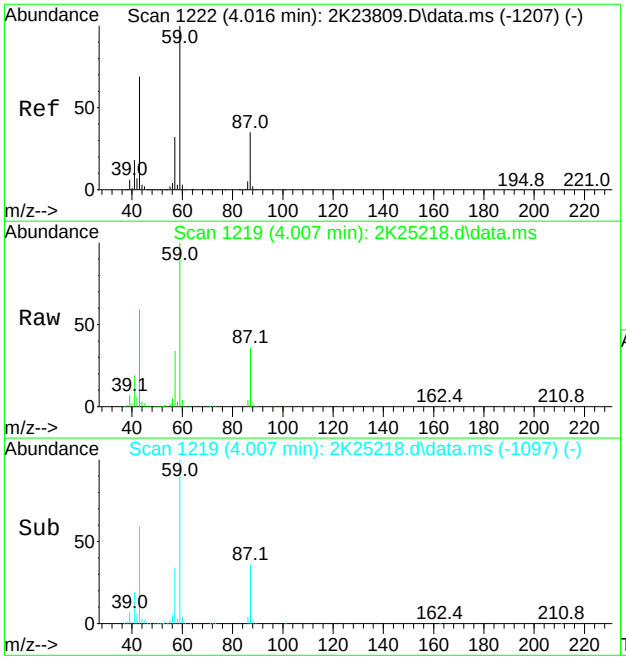


#27
di-isopropyl ether
Concen: 43.7714 ug/L
RT: 3.762 min Scan# 1143
Delta R.T. -0.007 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion: 45 Resp: 1209041

Ion	Ratio	Lower	Upper
45	100		
87	19.6	0.0	49.8
43	43.7	15.4	75.4

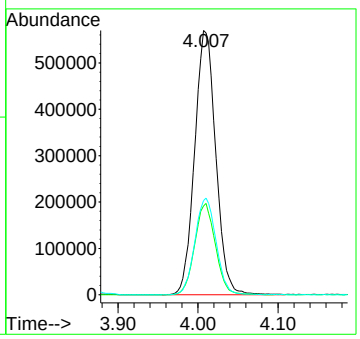


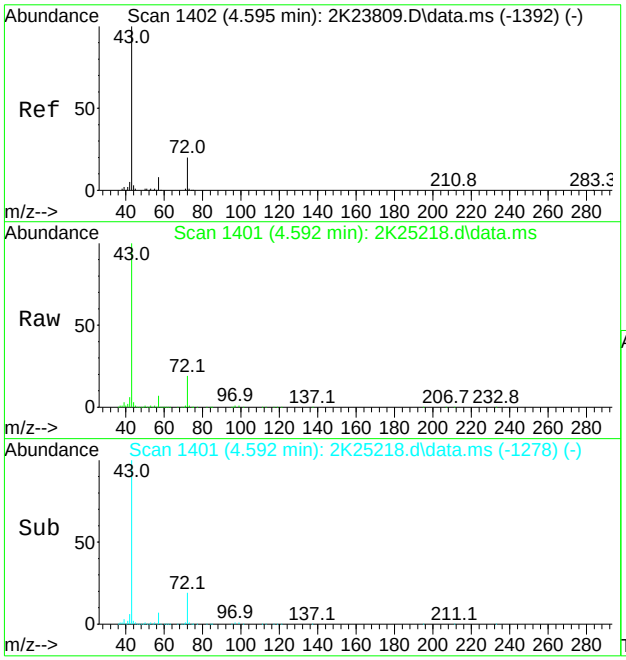


#28
ethyl tert-butyl ether
Concen: 42.3652 ug/L
RT: 4.007 min Scan# 1219
Delta R.T. -0.009 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion: 59 Resp: 1047681

Ion	Ratio	Lower	Upper
59	100		
57	33.6	1.6	61.6
87	35.6	5.2	65.2

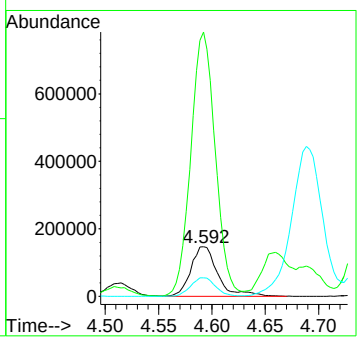


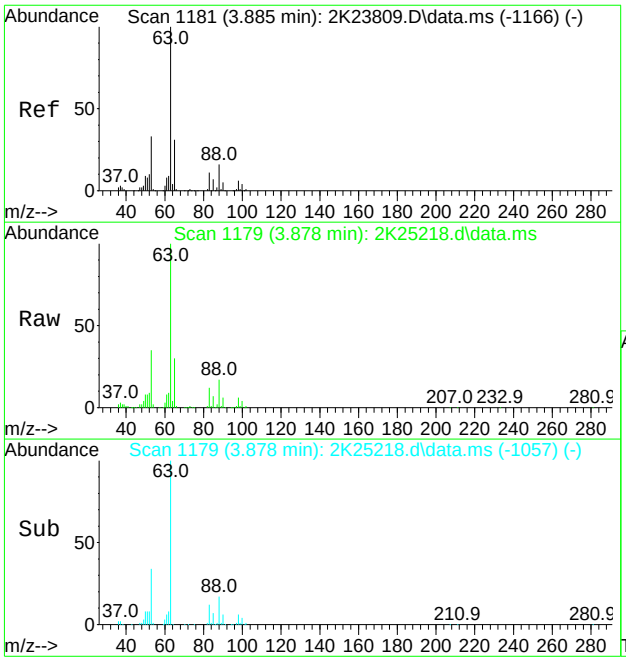


#29
2-butanone
Concen: 184.2329 ug/L
RT: 4.592 min Scan# 1401
Delta R.T. -0.003 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion: 72 Resp: 259548

Ion	Ratio	Lower	Upper
72	100		
43	534.2	461.8	521.8#
57	37.4	7.0	67.0

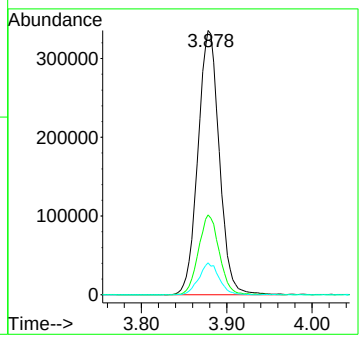


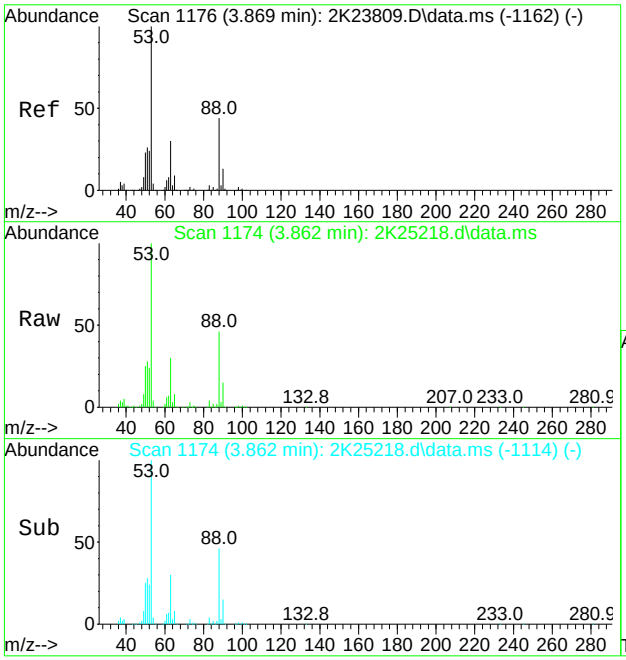


#30
1,1-dichloroethane
Concen: 45.4267 ug/L
RT: 3.878 min Scan# 1179
Delta R.T. -0.007 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion: 63 Resp: 582607

Ion	Ratio	Lower	Upper
63	100		
65	30.2	0.5	60.5
83	12.1	0.0	41.0

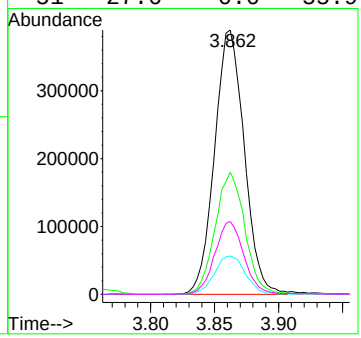


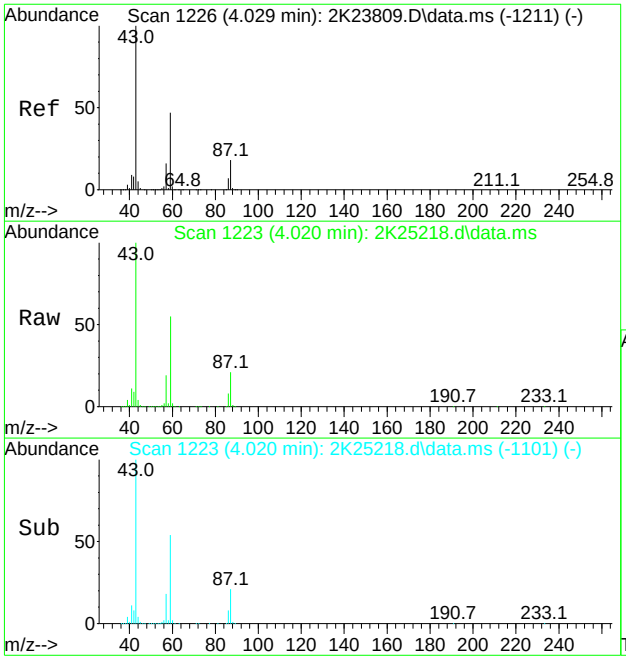


#31
chloroprene
Concen: 45.3471 ug/L
RT: 3.862 min Scan# 1174
Delta R.T. -0.007 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion: 53 Resp: 629262

Ion	Ratio	Lower	Upper
53	100		
88	46.3	14.2	74.2
90	14.6	0.0	42.9
51	27.6	0.0	55.9

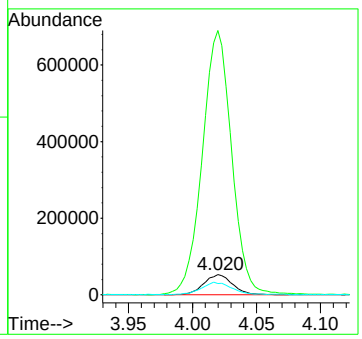


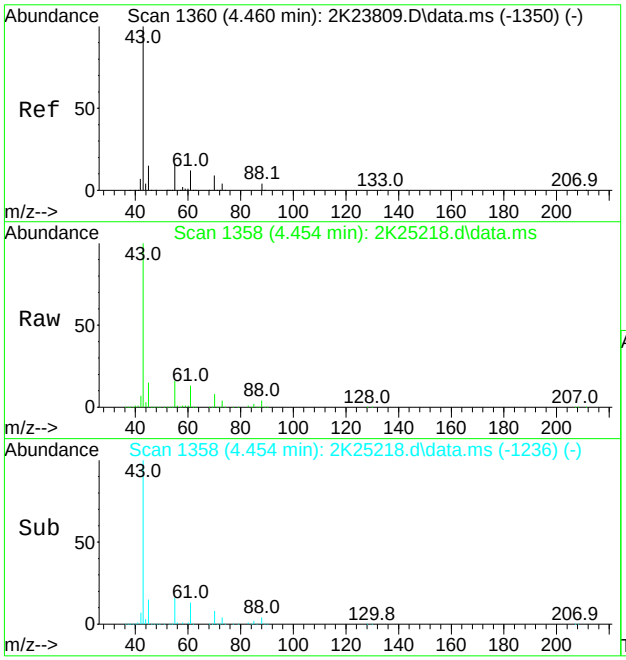


#33
vinyl acetate
Concen: 47.6796 ug/L
RT: 4.020 min Scan# 1223
Delta R.T. -0.009 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion: 86 Resp: 82310

Ion	Ratio	Lower	Upper
86	100		
43	1295.9	1321.8	1381.8#
44	54.1	32.5	92.5

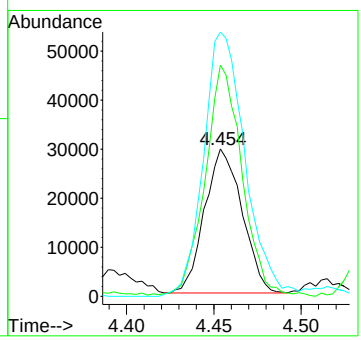


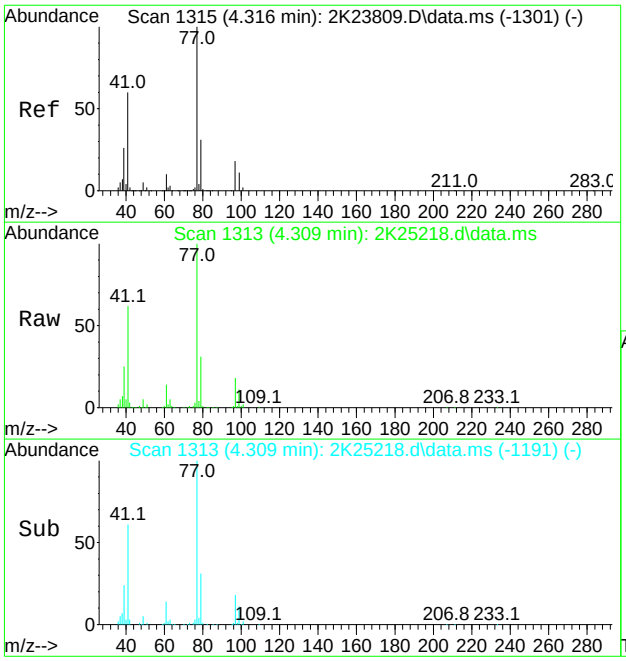


#34
ethyl acetate
Concen: 37.5181 ug/L
RT: 4.454 min Scan# 1358
Delta R.T. -0.006 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion: 70 Resp: 43955

Ion	Ratio	Lower	Upper
70	100		
61	158.6	105.6	165.6
45	182.3	135.3	195.3

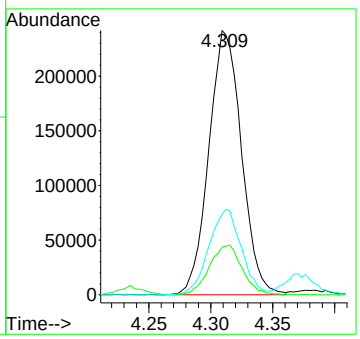


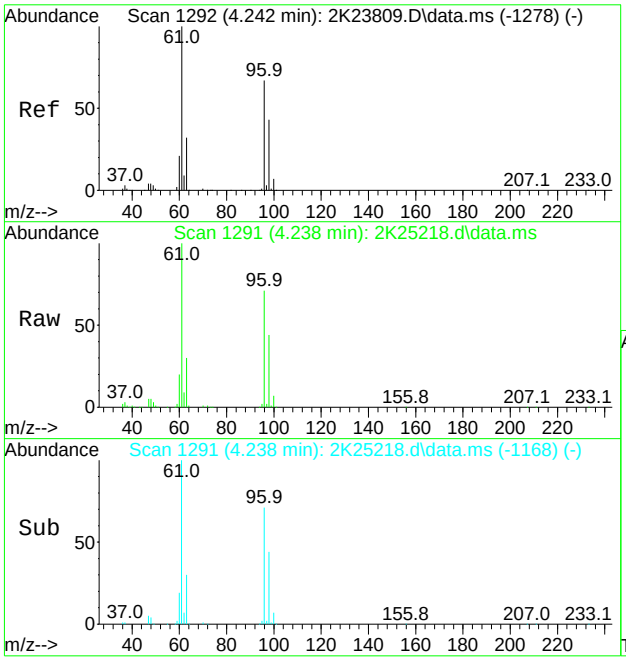


#35
2,2-dichloropropane
Concen: 43.3045 ug/L
RT: 4.309 min Scan# 1313
Delta R.T. -0.007 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion: 77 Resp: 443109

Ion	Ratio	Lower	Upper
77	100		
97	18.0	0.0	47.7
79	30.5	0.6	60.6

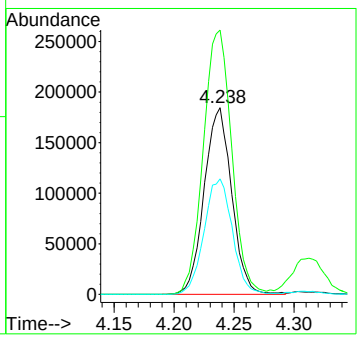


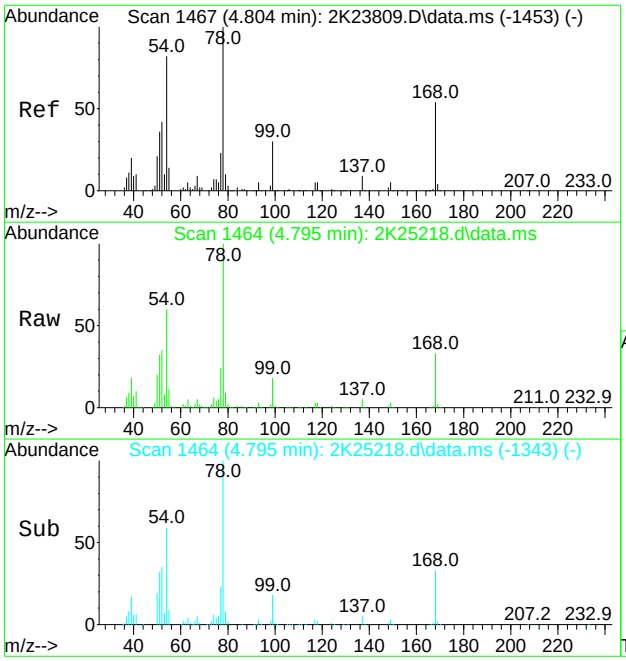


#36
cis-1,2-dichloroethene
Concen: 44.4683 ug/L
RT: 4.238 min Scan# 1291
Delta R.T. -0.004 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion: 96 Resp: 294521

Ion	Ratio	Lower	Upper
96	100		
61	141.7	118.2	178.2
98	61.9	34.3	94.3

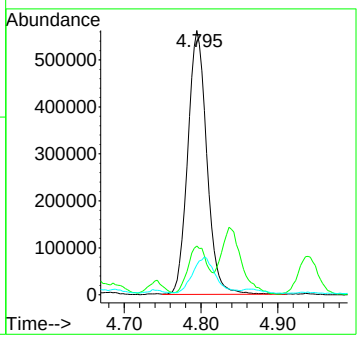


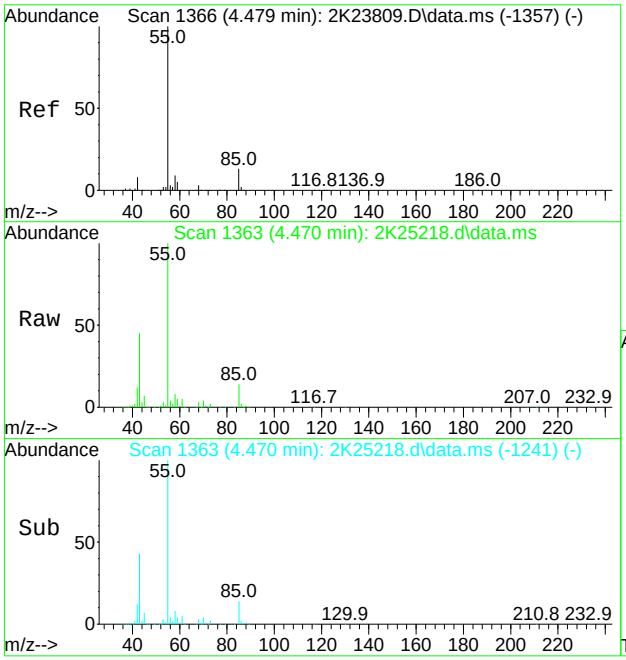


#37
propionitrile
Concen: 441.8394 ug/L
RT: 4.795 min Scan# 1464
Delta R.T. -0.009 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion: 54 Resp: 964340

Ion	Ratio	Lower	Upper
54	100		
55	17.8	0.0	48.6
40	10.6	0.0	41.7

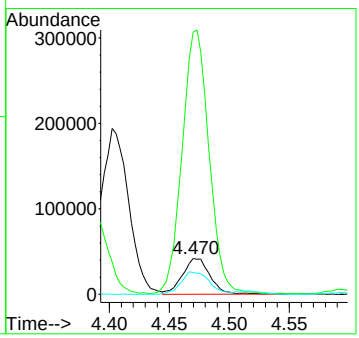


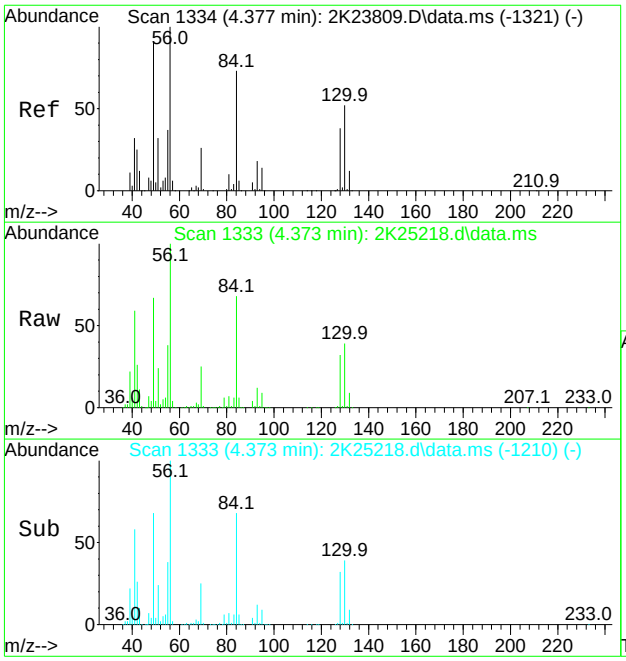


#38
methyl acrylate
Concen: 42.9909 ug/L
RT: 4.470 min Scan# 1363
Delta R.T. -0.009 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion: 85 Resp: 66489

Ion	Ratio	Lower	Upper
85	100		
55	749.8	726.6	766.6
58	62.0	49.4	89.4

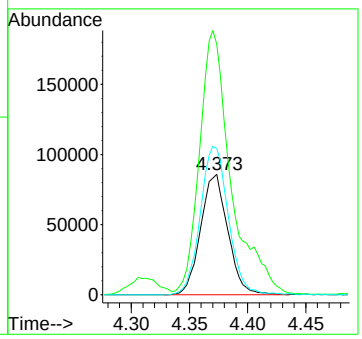


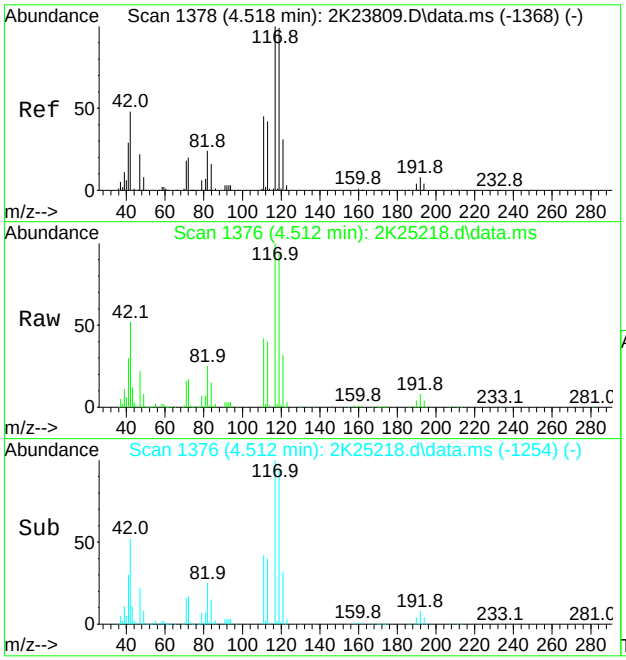


#39
bromochloromethane
Concen: 48.3207 ug/L
RT: 4.373 min Scan# 1333
Delta R.T. -0.004 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion:128 Resp: 139956

Ion	Ratio	Lower	Upper
128	100		
49	206.0	213.9	273.9#
130	121.4	107.4	167.4

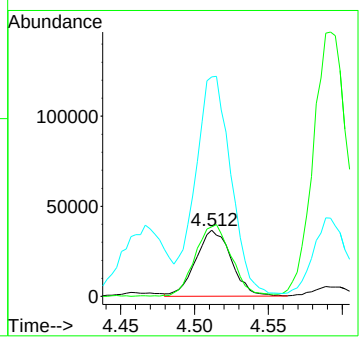


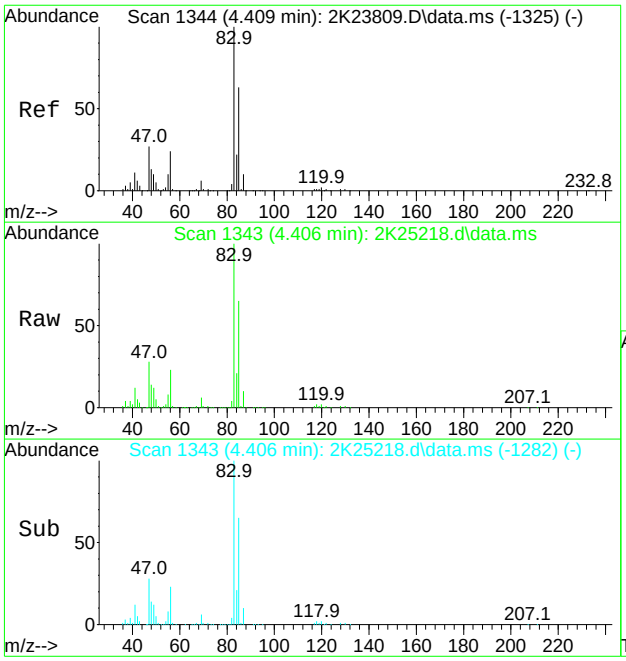


#40
tetrahydrofuran
Concen: 42.2092 ug/L
RT: 4.512 min Scan# 1376
Delta R.T. -0.006 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion: 71 Resp: 61426

Ion	Ratio	Lower	Upper
71	100		
72	104.1	75.2	135.2
42	329.7	288.0	348.0

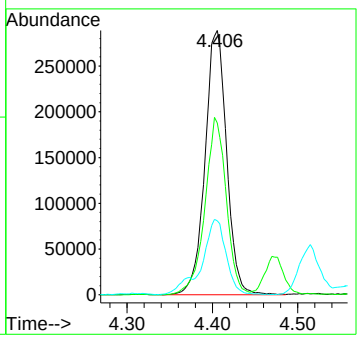


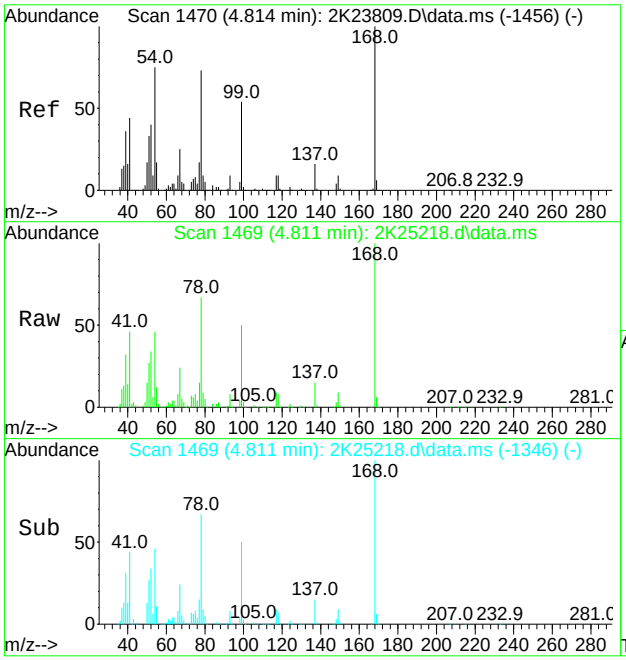


#41
chloroform
Concen: 42.1852 ug/L
RT: 4.406 min Scan# 1343
Delta R.T. -0.003 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion: 83 Resp: 509649

Ion	Ratio	Lower	Upper
83	100		
85	65.0	33.0	93.0
47	27.8	0.0	56.9

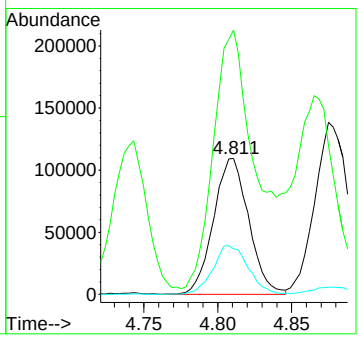


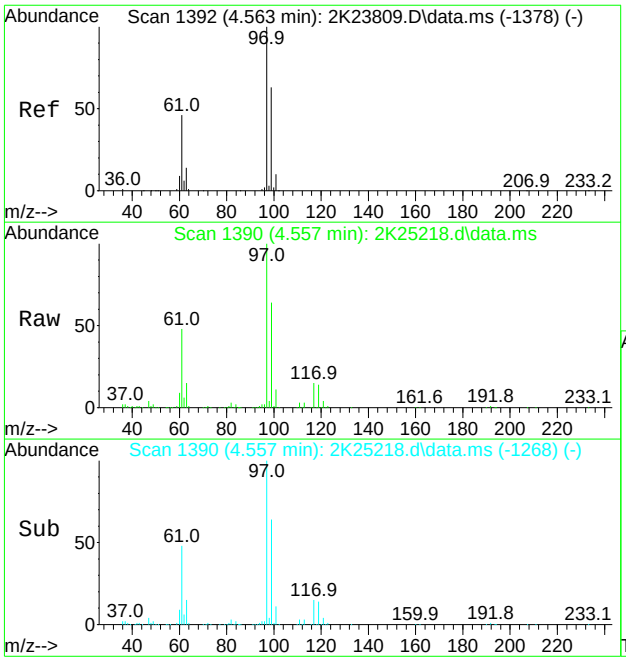


#43
methacrylonitrile
Concen: 41.6913 ug/L
RT: 4.811 min Scan# 1469
Delta R.T. -0.003 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion: 67 Resp: 181500

Ion	Ratio	Lower	Upper
67	100		
41	180.7	145.5	205.5
66	33.4	4.7	64.7

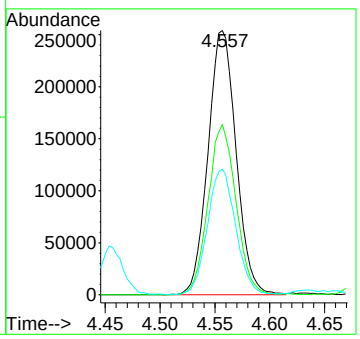


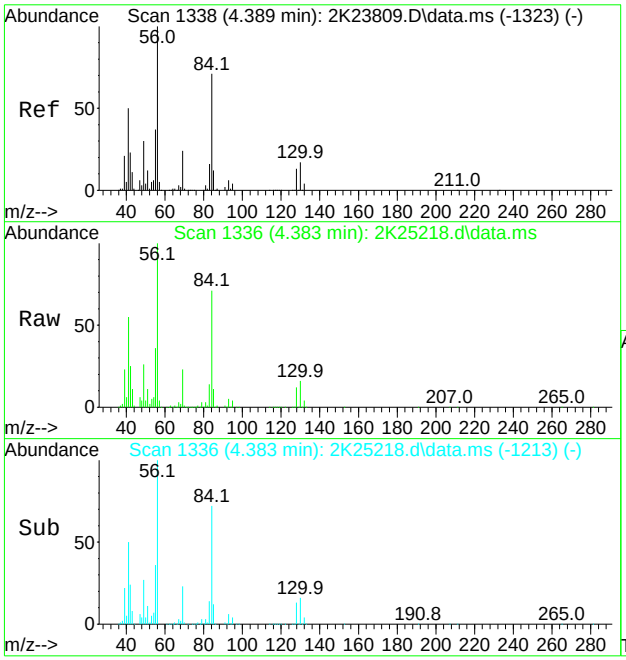


#44
1,1,1-trichloroethane
Concen: 43.9000 ug/L
RT: 4.557 min Scan# 1390
Delta R.T. -0.006 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion: 97 Resp: 453555

Ion	Ratio	Lower	Upper
97	100		
99	64.5	32.8	92.8
61	47.4	16.5	76.5

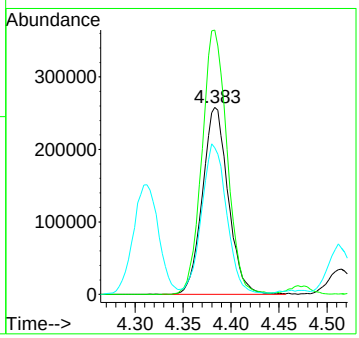


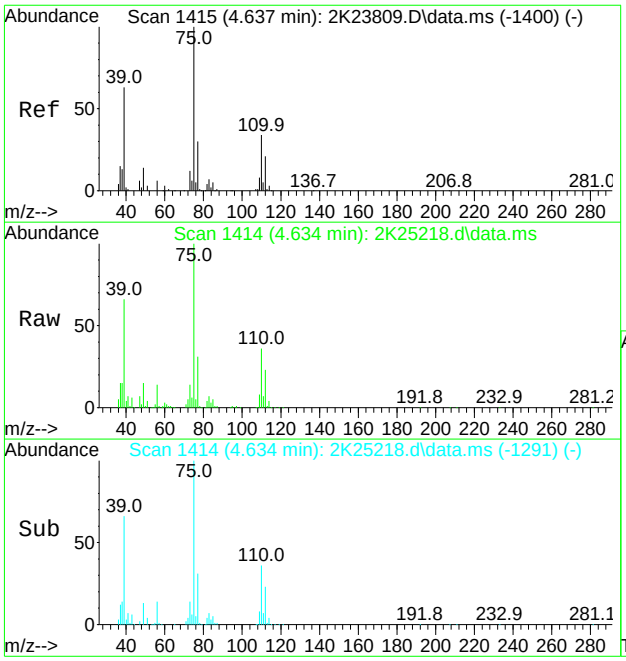


#45
cyclohexane
Concen: 51.8589 ug/L
RT: 4.383 min Scan# 1336
Delta R.T. -0.006 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion: 84 Resp: 481117

Ion	Ratio	Lower	Upper
84	100		
56	141.5	120.0	160.0
41	76.8	58.4	98.4

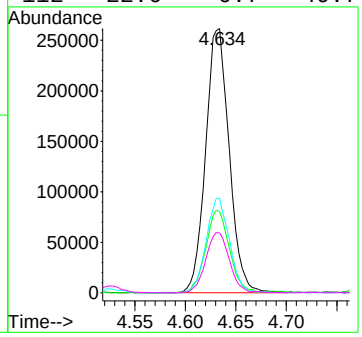


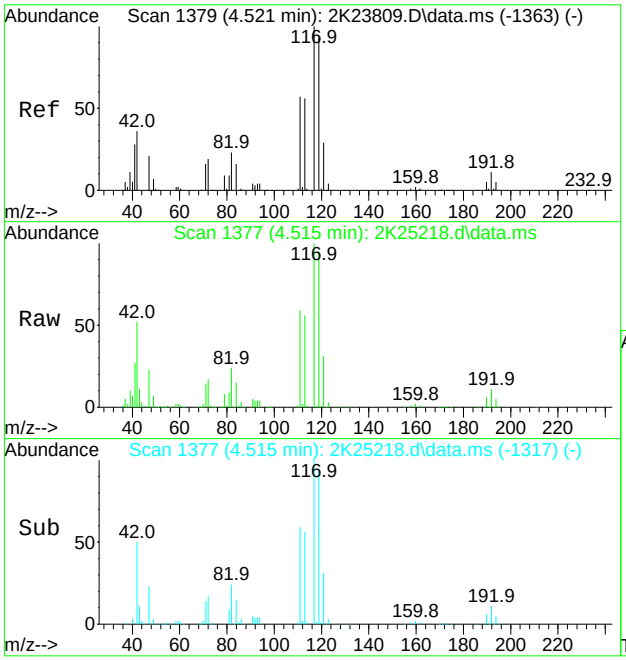


#46
1,1-dichloropropene
Concen: 47.0563 ug/L
RT: 4.634 min Scan# 1414
Delta R.T. -0.003 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion: 75 Resp: 424729

Ion	Ratio	Lower	Upper
75	100		
77	30.6	10.5	50.5
110	35.7	14.4	54.4
112	22.6	0.7	40.7

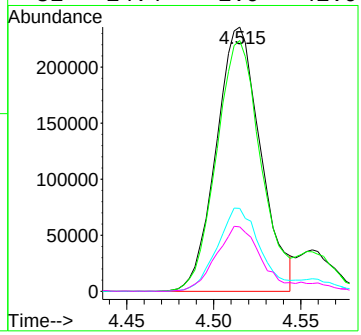


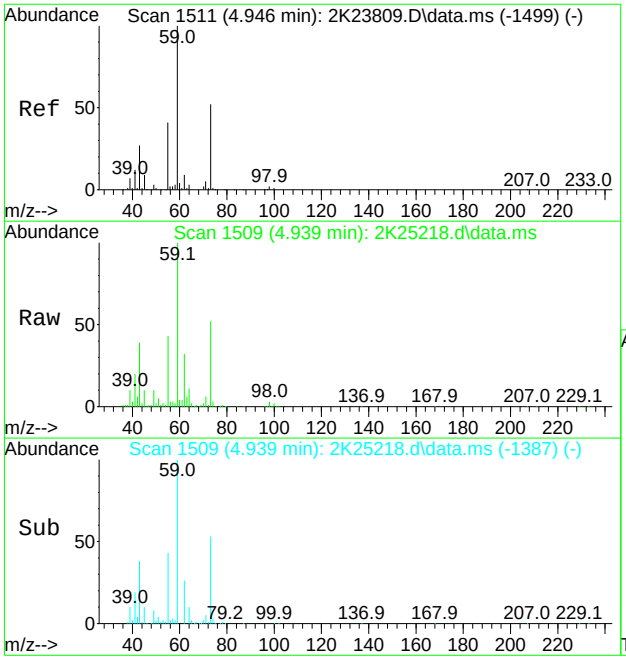


#47
carbon tetrachloride
Concen: 44.5588 ug/L m
RT: 4.515 min Scan# 1377
Delta R.T. -0.006 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion:117 Resp: 419379

Ion	Ratio	Lower	Upper
117	100		
119	94.9	72.9	112.9
121	31.4	9.2	49.2
82	24.4	2.9	42.9

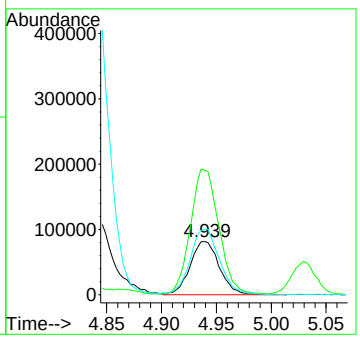


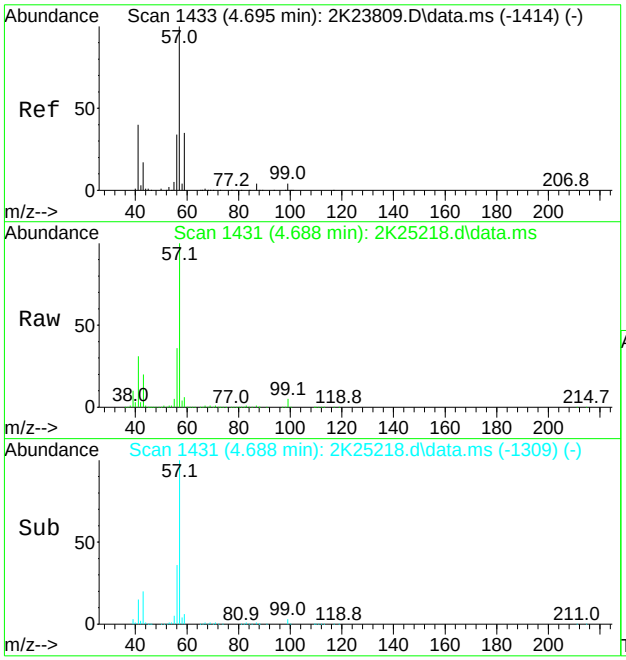


#49
tert-amyl alcohol
Concen: 214.3055 ug/L
RT: 4.939 min Scan# 1509
Delta R.T. -0.007 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion: 55 Resp: 151200

Ion	Ratio	Lower	Upper
55	100		
59	231.3	218.4	258.4
73	121.8	106.6	146.6

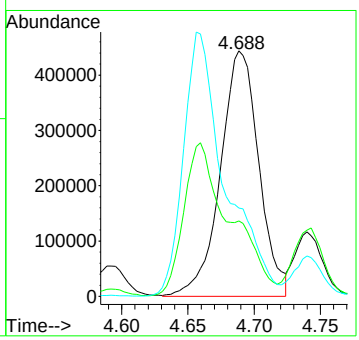


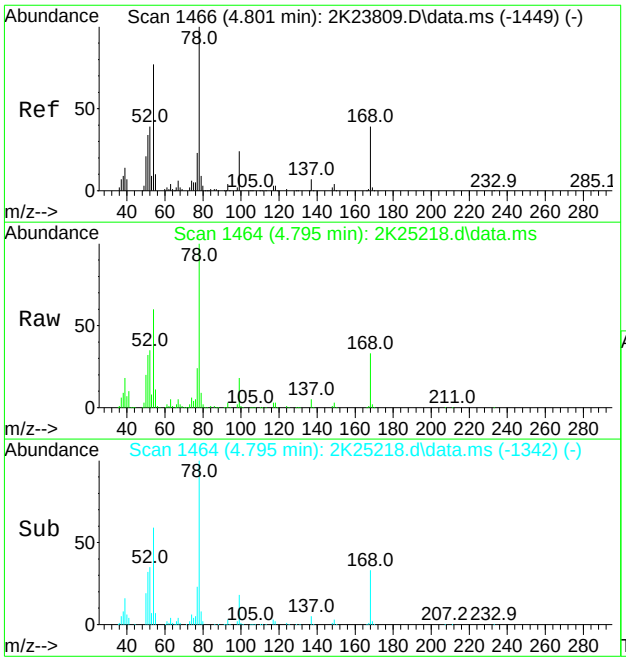


#52
iso-octane
Concen: 34.9341 ug/L
RT: 4.688 min Scan# 1431
Delta R.T. -0.007 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion: 57 Resp: 897187

Ion	Ratio	Lower	Upper
57	100		
41	28.8	19.7	59.7
56	32.5	14.3	54.3

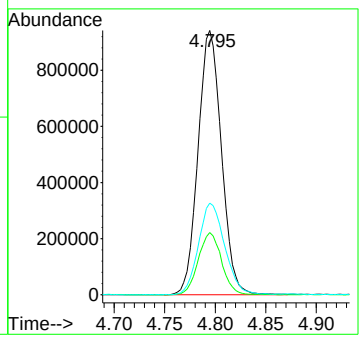


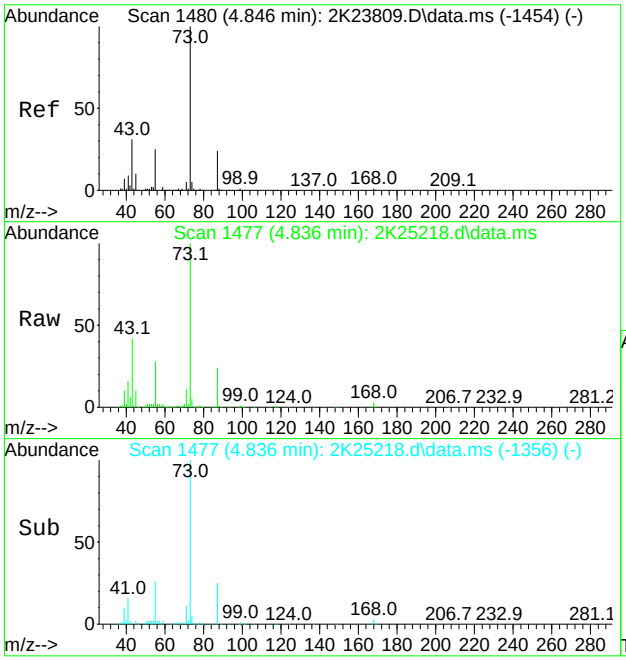


#53
benzene
Concen: 59.1408 ug/L
RT: 4.795 min Scan# 1464
Delta R.T. -0.006 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion: 78 Resp: 1517464

Ion	Ratio	Lower	Upper
78	100		
77	23.5	0.0	53.5
52	34.6	8.9	68.9

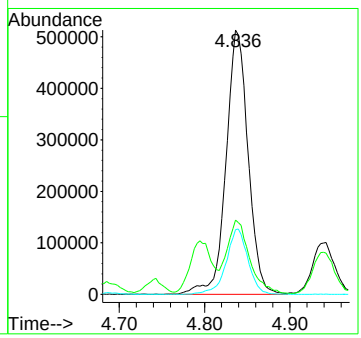


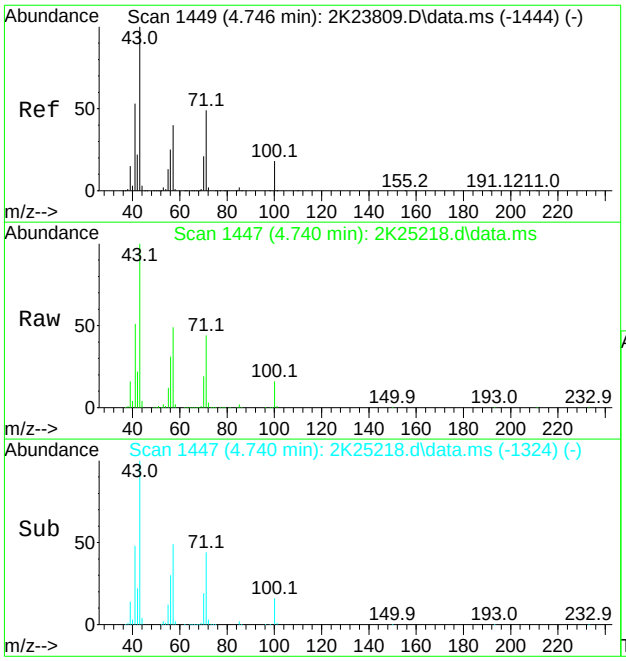


#54
tert-amyl methyl ether
Concen: 42.2739 ug/L
RT: 4.836 min Scan# 1477
Delta R.T. -0.010 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion: 73 Resp: 921304

Ion	Ratio	Lower	Upper
73	100		
55	27.7	6.1	46.1
87	24.5	4.3	44.3

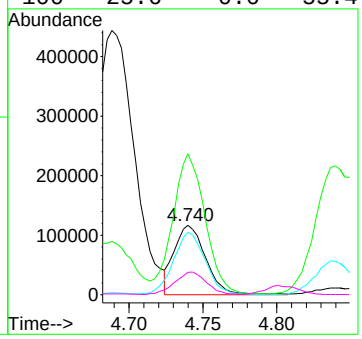


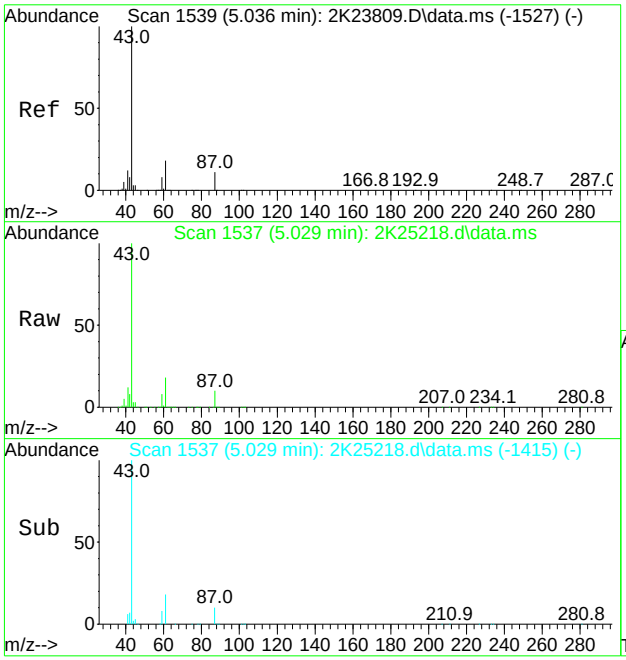


#55
heptane
Concen: 46.2096 ug/L
RT: 4.740 min Scan# 1447
Delta R.T. -0.006 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion: 57 Resp: 172902

Ion	Ratio	Lower	Upper
57	100		
43	198.5	171.2	231.2
71	89.4	63.1	123.1
100	25.6	0.0	55.4

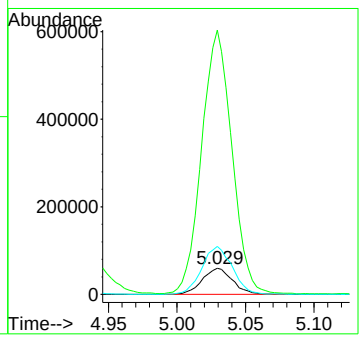


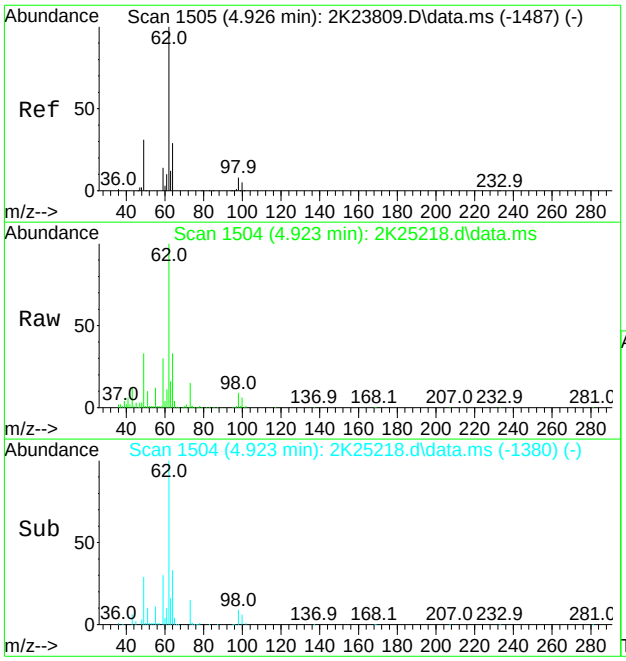


#56
isopropyl acetate
Concen: 43.4255 ug/L
RT: 5.029 min Scan# 1537
Delta R.T. -0.007 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion: 87 Resp: 91192

Ion	Ratio	Lower	Upper
87	100		
43	1008.2	917.6	977.6#
61	183.5	137.7	197.7

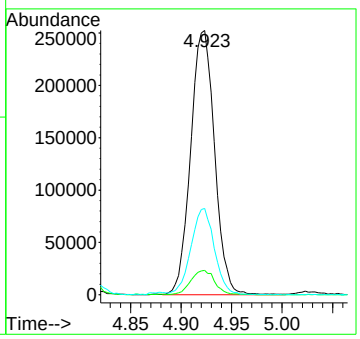


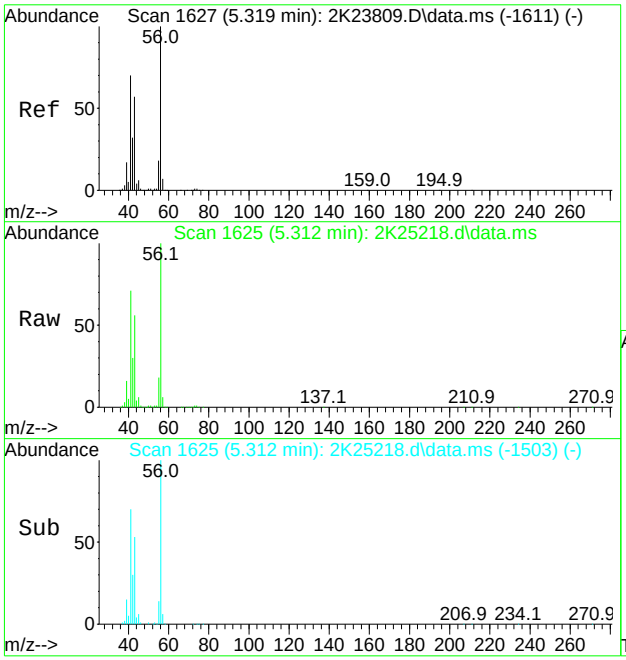


#57
1,2-dichloroethane
Concen: 40.4023 ug/L
RT: 4.923 min Scan# 1504
Delta R.T. -0.003 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion: 62 Resp: 416840

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	38.3
64	32.7	0.0	59.6

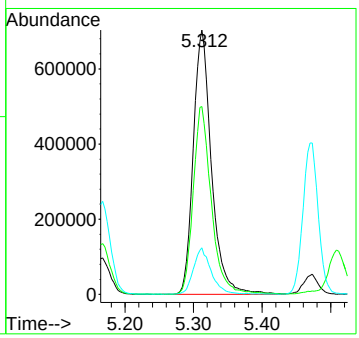


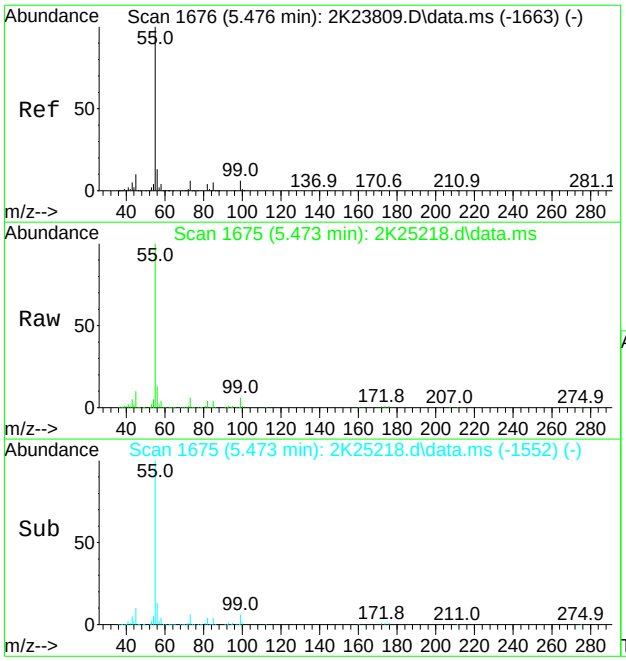


#58
n-butyl alcohol
Concen: 2279.6161 ug/L
RT: 5.312 min Scan# 1625
Delta R.T. -0.007 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion: 56 Resp: 1301462

Ion	Ratio	Lower	Upper
56	100		
41	70.9	50.4	90.4
55	17.6	0.0	37.7

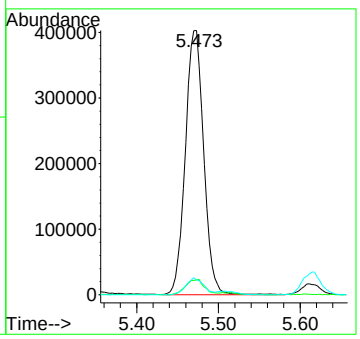


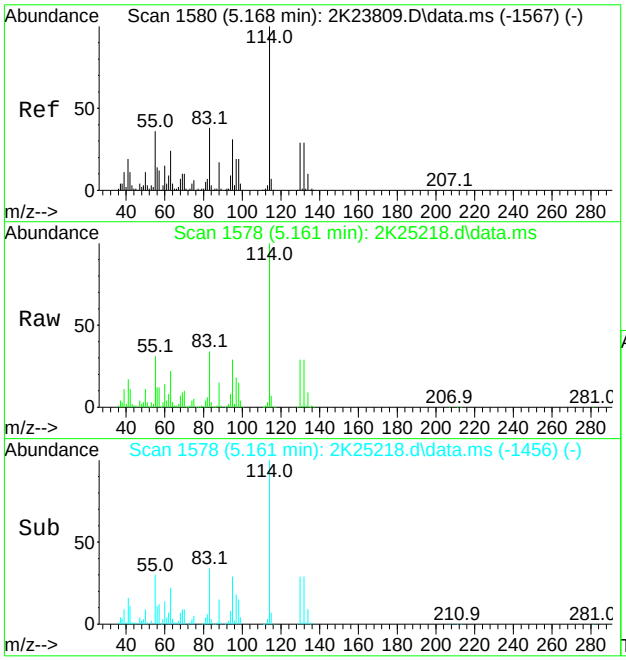


#59
ethyl acrylate
Concen: 44.8899 ug/L
RT: 5.473 min Scan# 1675
Delta R.T. -0.003 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion: 55 Resp: 630402

Ion	Ratio	Lower	Upper
55	100		
73	5.6	0.0	36.2
99	5.7	0.0	36.0

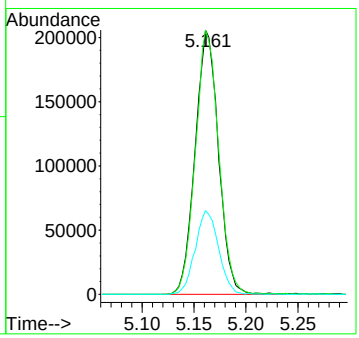


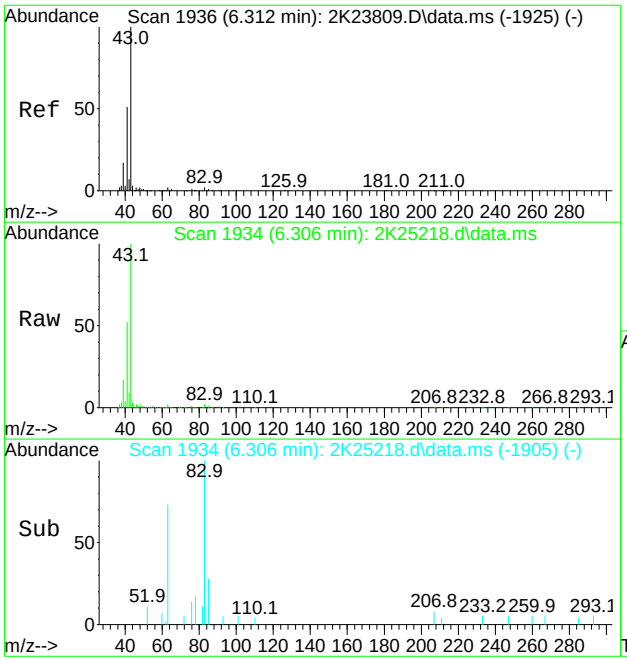


#60
trichloroethene
Concen: 51.6039 ug/L
RT: 5.161 min Scan# 1578
Delta R.T. -0.007 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion:130 Resp: 322760

Ion	Ratio	Lower	Upper
130	100		
132	100.0	70.8	130.8
134	31.7	4.2	64.2

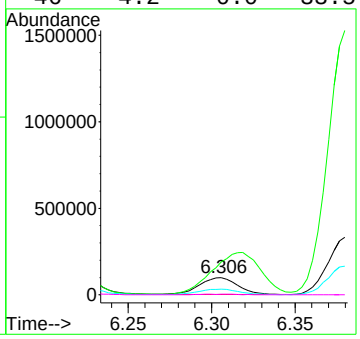


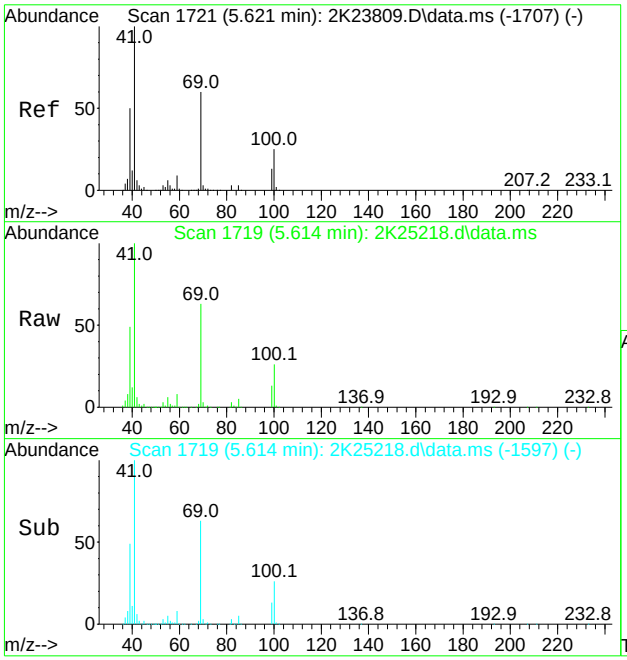


#61
2-nitropropane
Concen: 41.5243 ug/L
RT: 6.306 min Scan# 1934
Delta R.T. -0.006 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion: 41 Resp: 152695

Ion	Ratio	Lower	Upper
41	100		
43	193.8	163.8	223.8
39	32.1	4.1	64.1
46	4.2	0.0	33.5

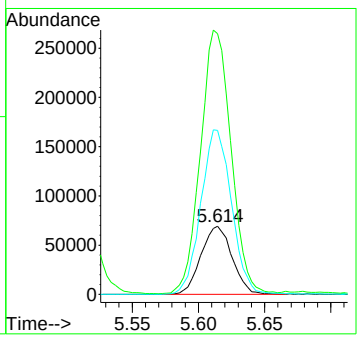


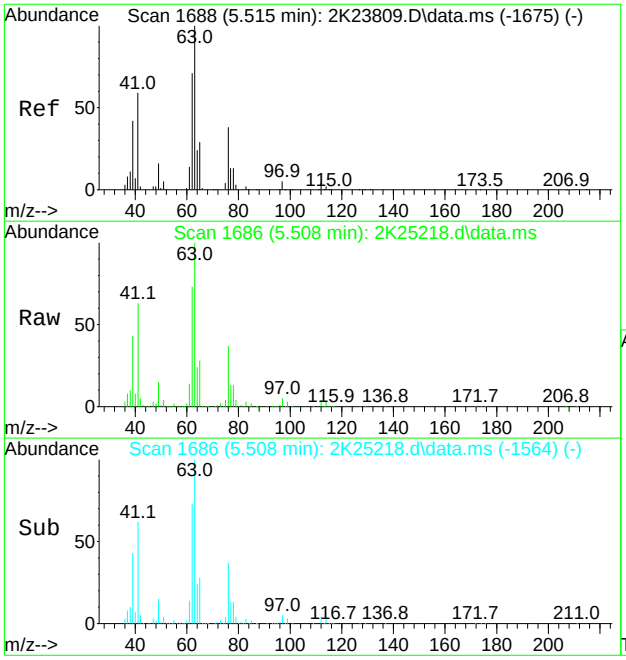


#63
methyl methacrylate
Concen: 46.3808 ug/L
RT: 5.614 min Scan# 1719
Delta R.T. -0.007 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion:100 Resp: 113094

Ion	Ratio	Lower	Upper
100	100		
41	381.7	374.3	434.3
69	240.7	214.3	274.3

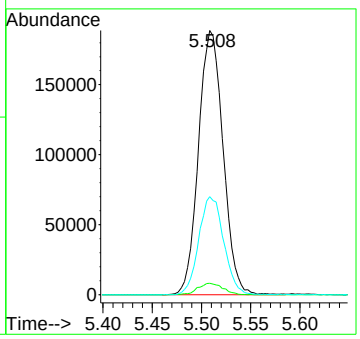


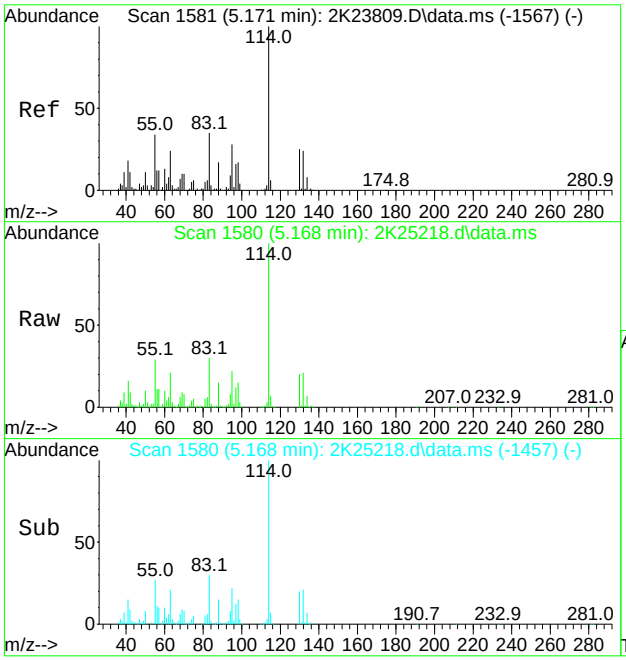


#64
1,2-dichloropropane
Concen: 45.8629 ug/L
RT: 5.508 min Scan# 1686
Delta R.T. -0.007 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion: 63 Resp: 328170

Ion	Ratio	Lower	Upper
63	100		
112	4.4	0.0	33.7
76	37.1	7.9	67.9

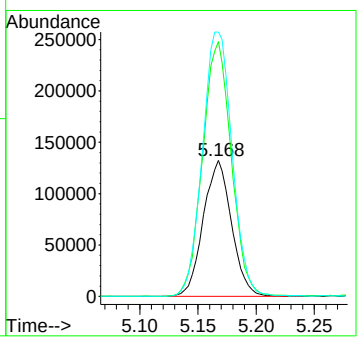


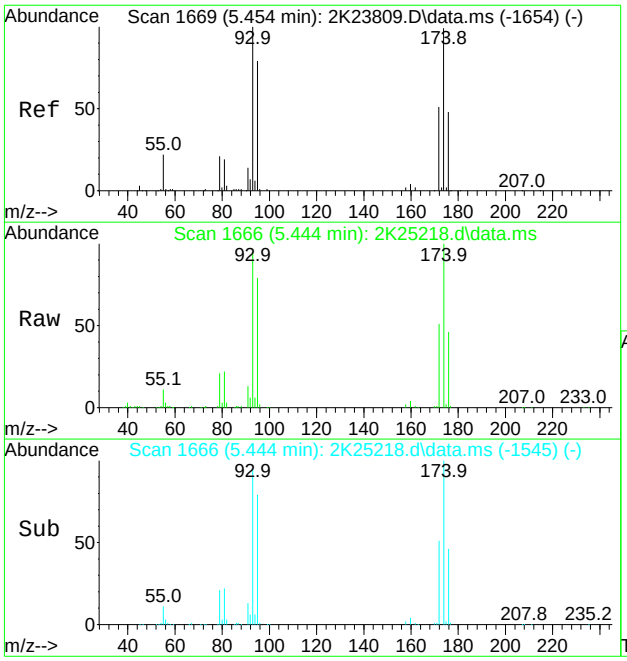


#65
methylcyclohexane
Concen: 48.9436 ug/L
RT: 5.168 min Scan# 1580
Delta R.T. -0.003 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion: 98 Resp: 223422

Ion	Ratio	Lower	Upper
98	100		
55	187.2	173.8	233.8
83	194.3	181.7	241.7

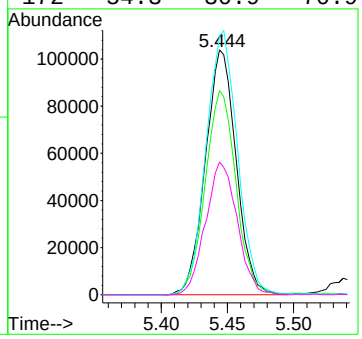


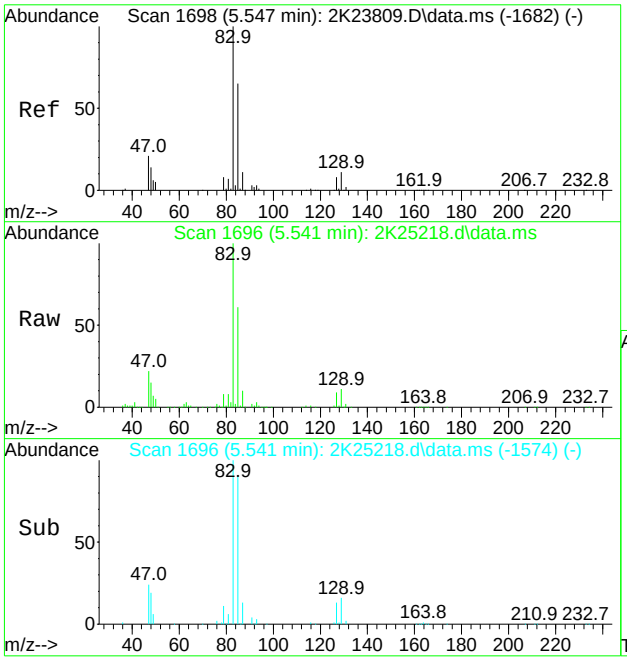


#66
dibromomethane
Concen: 42.2647 ug/L
RT: 5.444 min Scan# 1666
Delta R.T. -0.010 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion: 93 Resp: 167859

Ion	Ratio	Lower	Upper
93	100		
95	83.4	49.5	109.5
174	105.6	68.7	128.7
172	54.3	30.9	70.9

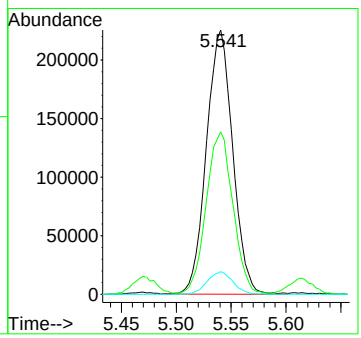


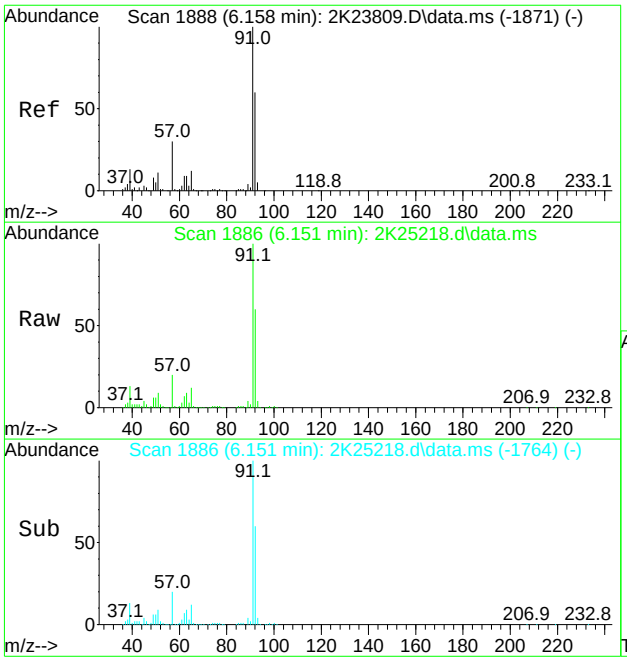


#67
bromodichloromethane
Concen: 43.9925 ug/L
RT: 5.541 min Scan# 1696
Delta R.T. -0.006 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion: 83 Resp: 376863

Ion	Ratio	Lower	Upper
83	100		
85	60.2	36.5	96.5
127	8.7	0.0	37.8

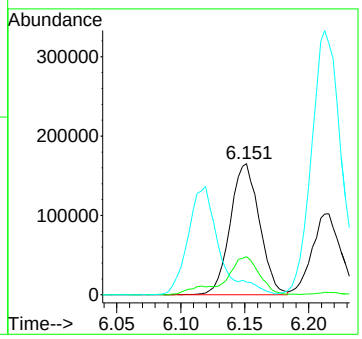


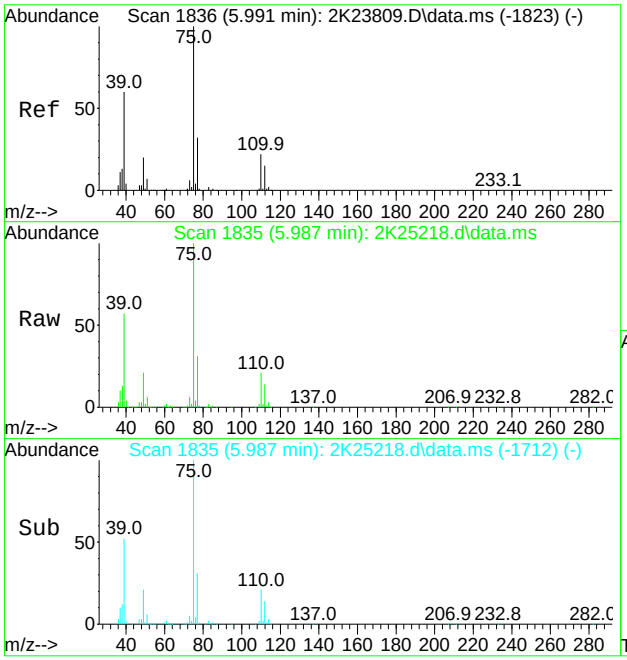


#68
epichlorohydrin
Concen: 165.7446 ug/L
RT: 6.151 min Scan# 1886
Delta R.T. -0.007 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion: 57 Resp: 263189

Ion	Ratio	Lower	Upper
57	100		
49	28.9	7.1	47.1
42	8.7	0.0	27.5

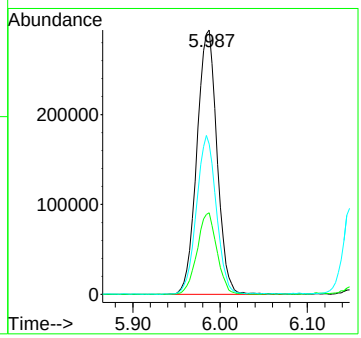


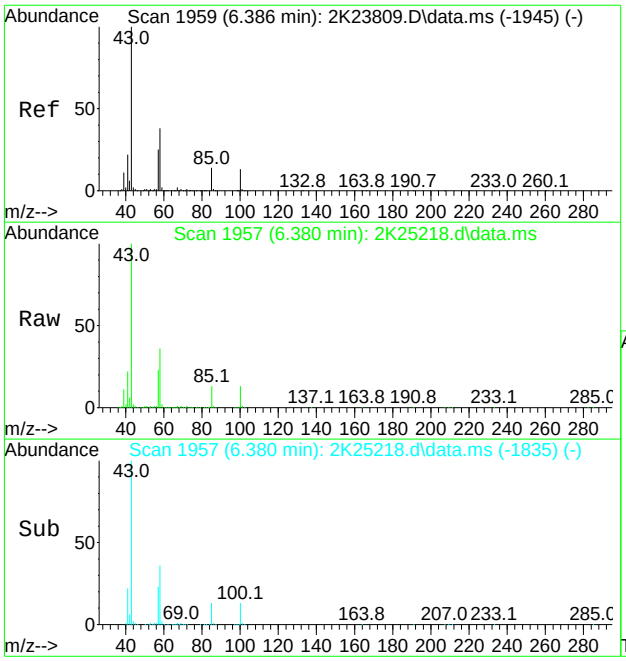


#69
cis-1,3-dichloropropene
Concen: 43.0729 ug/L
RT: 5.987 min Scan# 1835
Delta R.T. -0.004 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion: 75 Resp: 470722

Ion	Ratio	Lower	Upper
75	100		
77	30.8	2.1	62.1
39	56.6	30.1	90.1

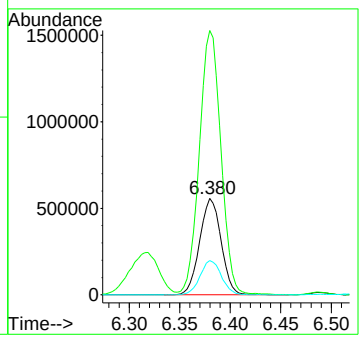


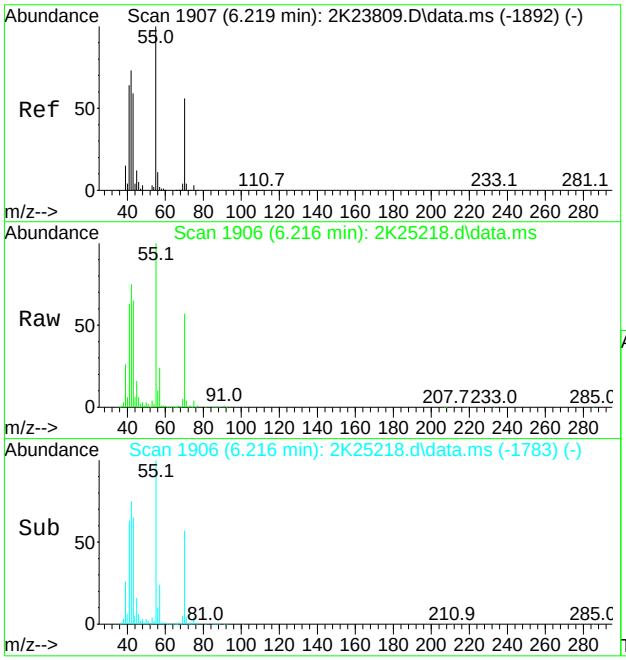


#70
4-methyl-2-pentanone
Concen: 176.2901 ug/L
RT: 6.380 min Scan# 1957
Delta R.T. -0.006 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion: 58 Resp: 822352

Ion	Ratio	Lower	Upper
58	100		
43	274.3	244.4	304.4
100	35.6	4.8	64.8

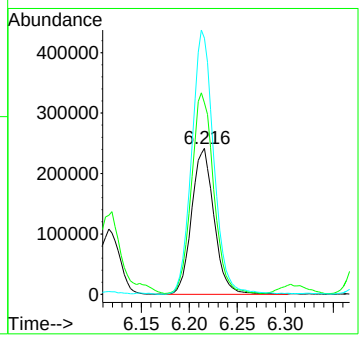


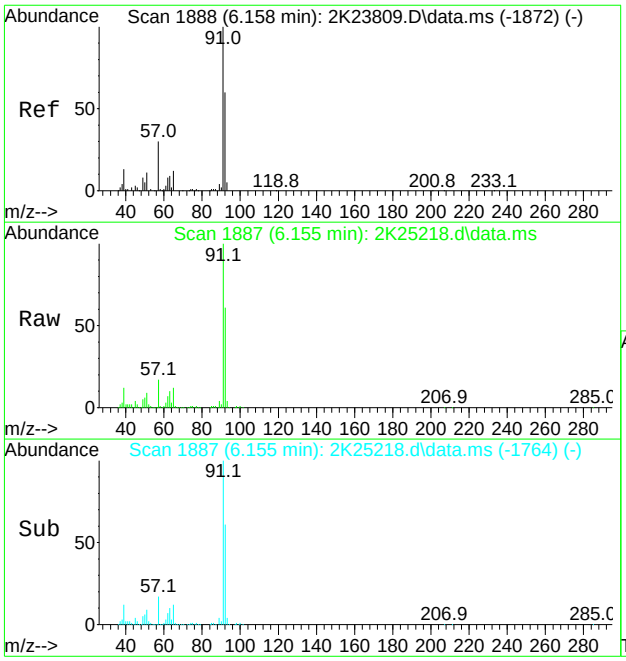


#71
3-methyl-1-butanol
Concen: 886.7048 ug/L
RT: 6.216 min Scan# 1906
Delta R.T. -0.003 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion: 70 Resp: 393744

Ion	Ratio	Lower	Upper
70	100		
42	130.7	100.5	160.5
55	175.5	148.8	208.8

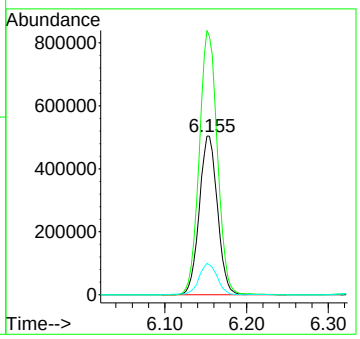


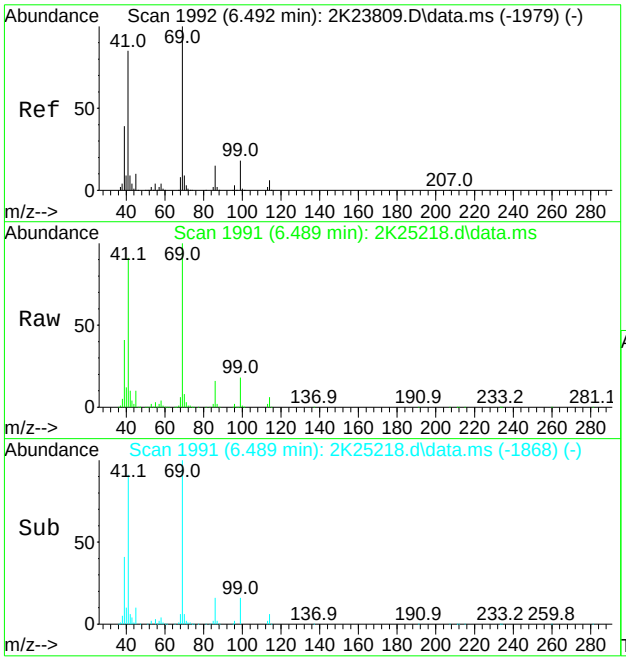


#74
toluene
Concen: 47.3802 ug/L
RT: 6.155 min Scan# 1887
Delta R.T. -0.003 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion: 92 Resp: 777958

Ion	Ratio	Lower	Upper
92	100		
91	162.8	145.9	185.9
65	18.9	0.5	40.5

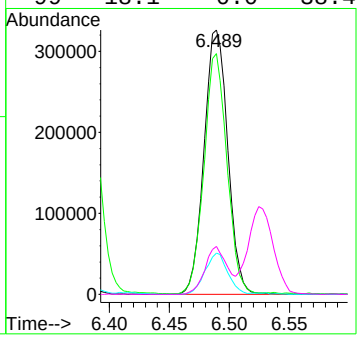


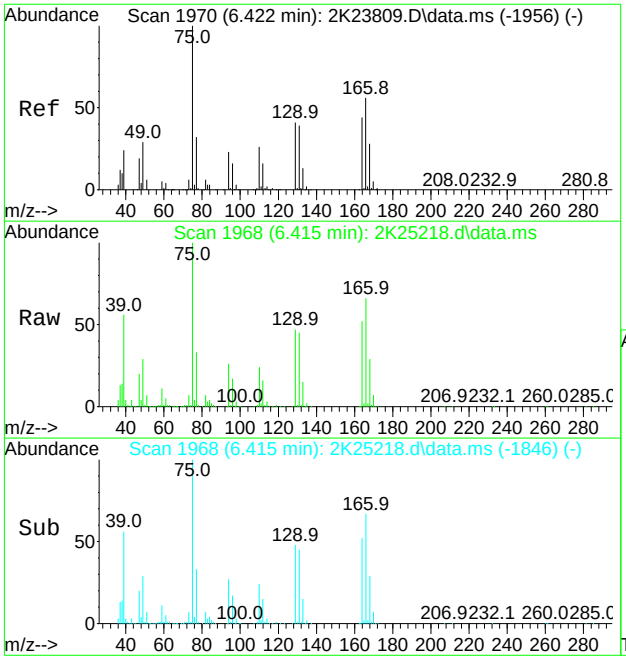


#75
ethyl methacrylate
Concen: 43.6384 ug/L
RT: 6.489 min Scan# 1991
Delta R.T. -0.003 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion: 69 Resp: 448681

Ion	Ratio	Lower	Upper
69	100		
41	90.6	65.3	105.3
86	15.6	0.0	34.6
99	18.1	0.0	38.4

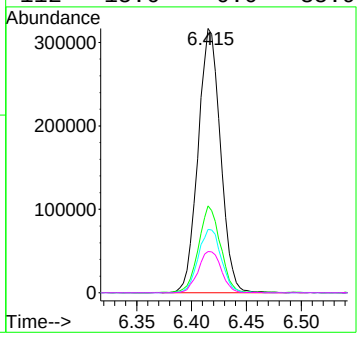


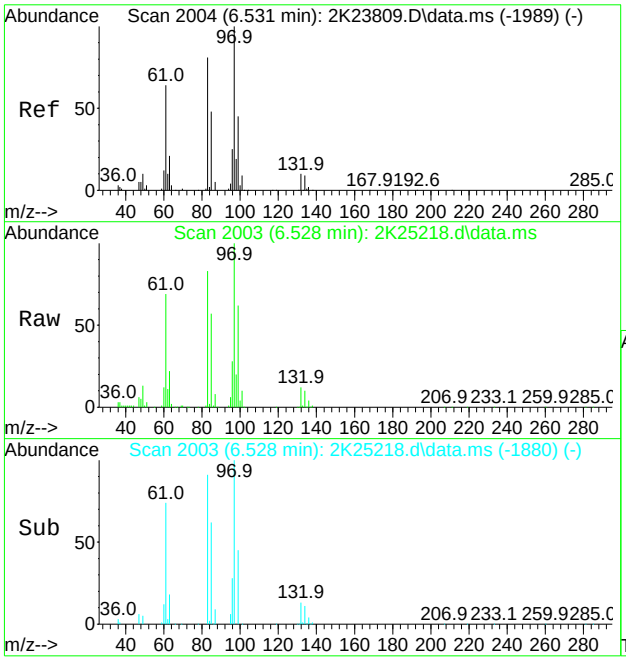


#76
trans-1,3-dichloropropene
Concen: 41.5677 ug/L
RT: 6.415 min Scan# 1968
Delta R.T. -0.007 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion: 75 Resp: 449390

Ion	Ratio	Lower	Upper
75	100		
77	32.7	12.2	52.2
110	23.9	5.7	45.7
112	15.6	0.0	35.9

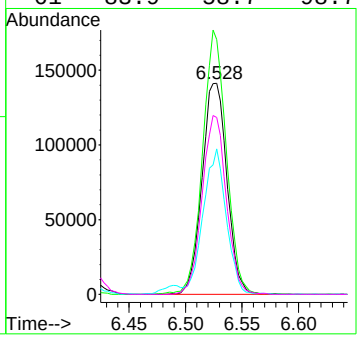


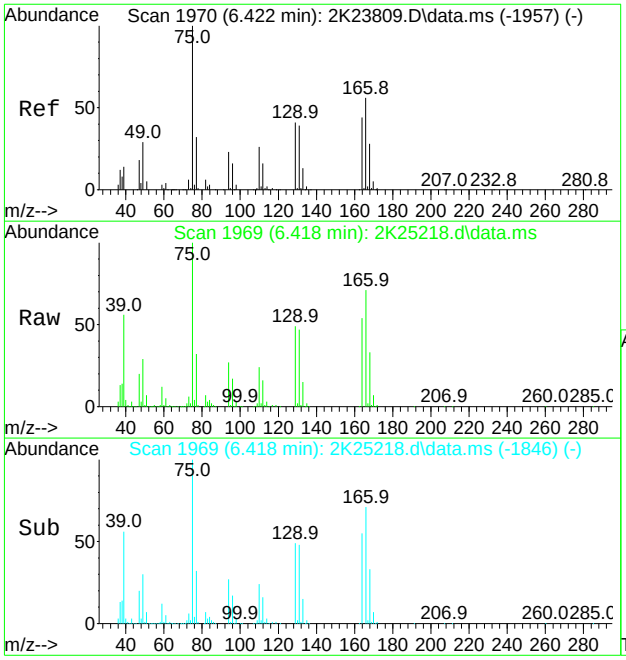


#77
1,1,2-trichloroethane
Concen: 43.2847 ug/L
RT: 6.528 min Scan# 2003
Delta R.T. -0.003 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion: 83 Resp: 215762

Ion	Ratio	Lower	Upper
83	100		
97	120.6	103.4	143.4
85	68.9	40.7	80.7
61	83.9	58.7	98.7

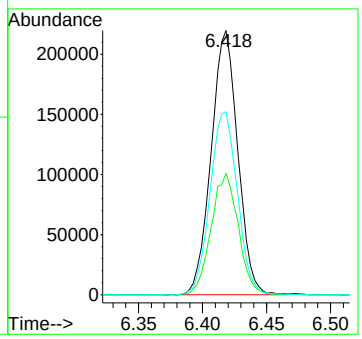


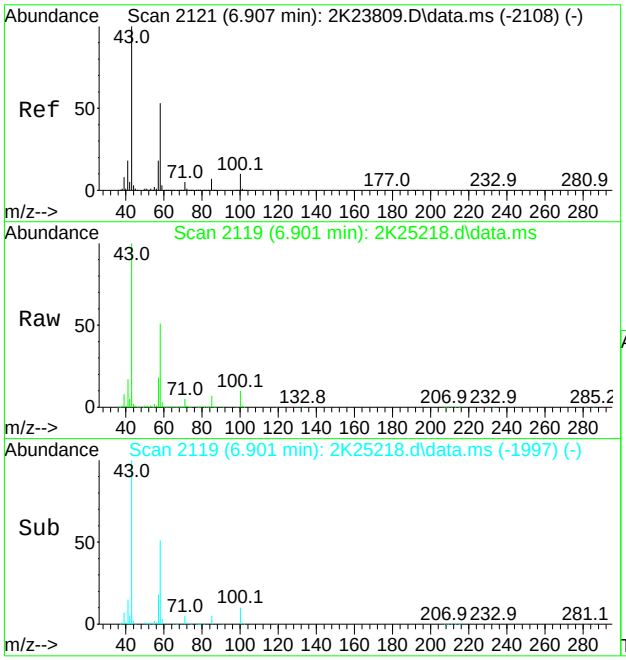


#78
tetrachloroethene
Concen: 50.5963 ug/L
RT: 6.418 min Scan# 1969
Delta R.T. -0.004 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion:166 Resp: 318202

Ion	Ratio	Lower	Upper
166	100		
168	46.0	19.1	79.1
129	69.2	42.7	102.7

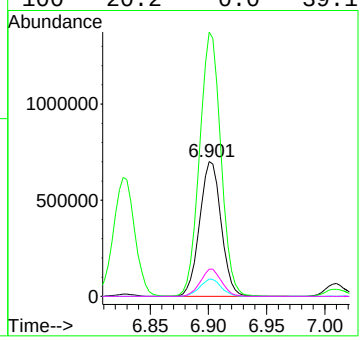


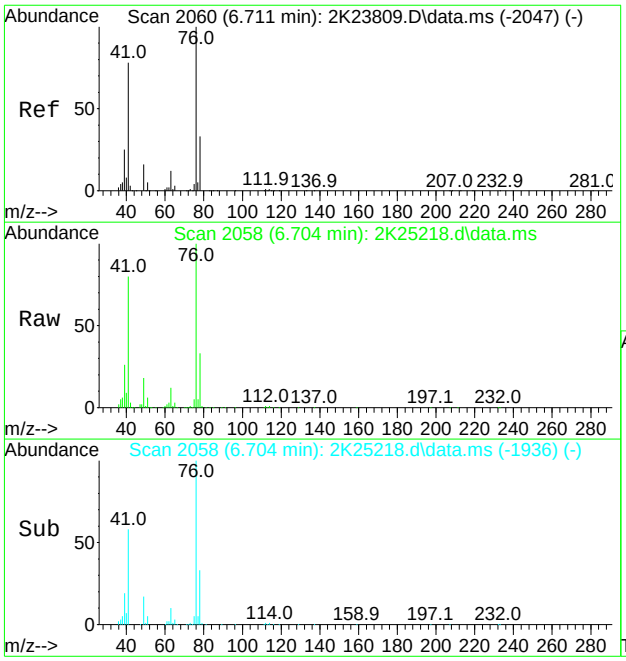


#79
2-hexanone
Concen: 175.4882 ug/L
RT: 6.901 min Scan# 2119
Delta R.T. -0.006 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion: 58 Resp: 902388

Ion	Ratio	Lower	Upper
58	100		
43	195.9	168.9	208.9
85	12.9	0.0	33.1
100	20.2	0.0	39.1

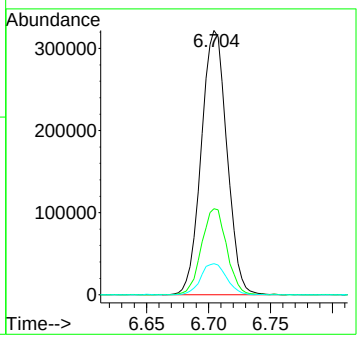


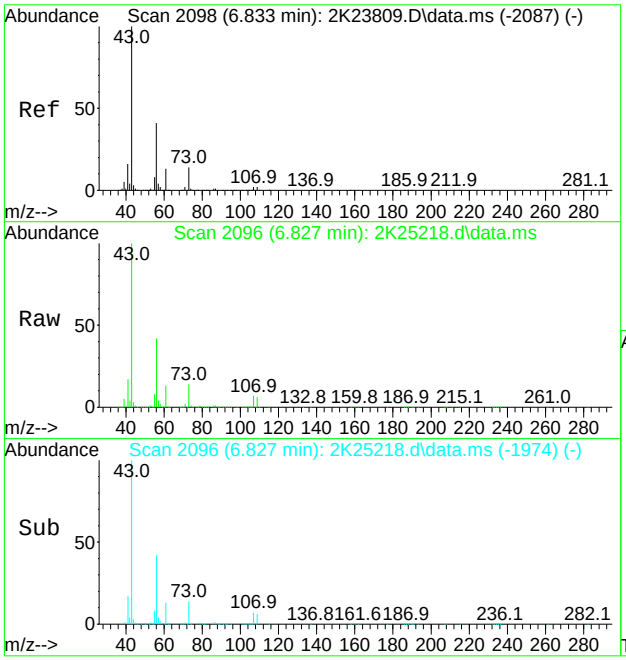


#80
1,3-dichloropropane
Concen: 42.7216 ug/L
RT: 6.704 min Scan# 2058
Delta R.T. -0.007 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion: 76 Resp: 463369

Ion	Ratio	Lower	Upper
76	100		
78	32.5	2.9	62.9
63	11.8	0.0	42.3

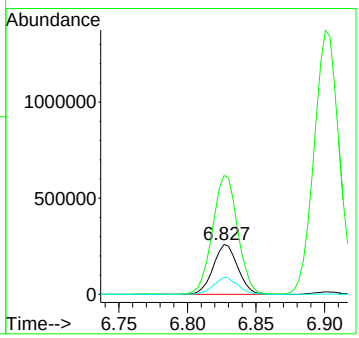


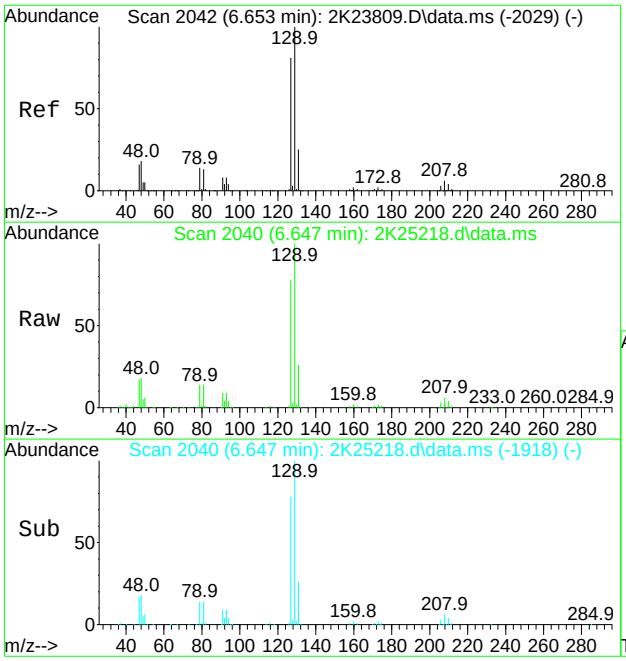


#81
butyl acetate
Concen: 43.0245 ug/L
RT: 6.827 min Scan# 2096
Delta R.T. -0.006 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion: 56 Resp: 323205

Ion	Ratio	Lower	Upper
56	100		
43	236.8	213.5	273.5
73	33.9	4.2	64.2

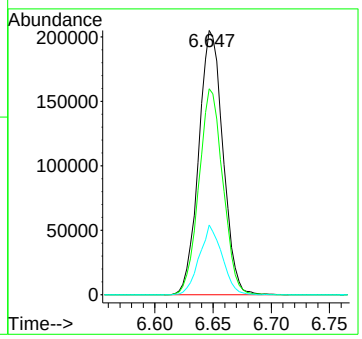


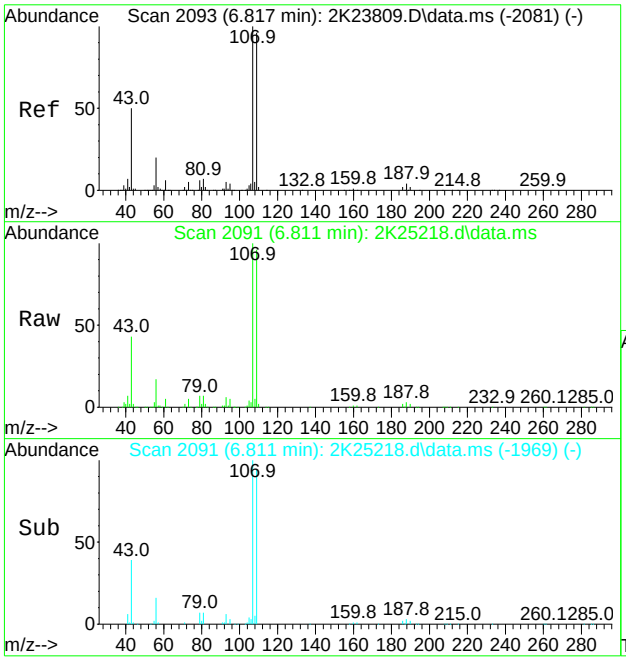


#82
dibromochloromethane
Concen: 46.0565 ug/L
RT: 6.647 min Scan# 2040
Delta R.T. -0.006 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion:129 Resp: 297440

Ion	Ratio	Lower	Upper
129	100		
127	77.9	50.8	110.8
131	26.4	0.0	55.3

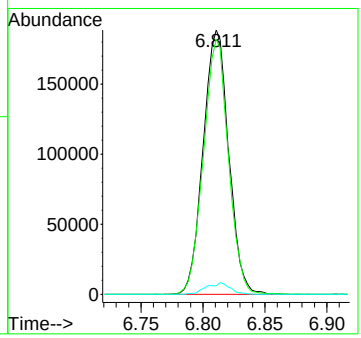


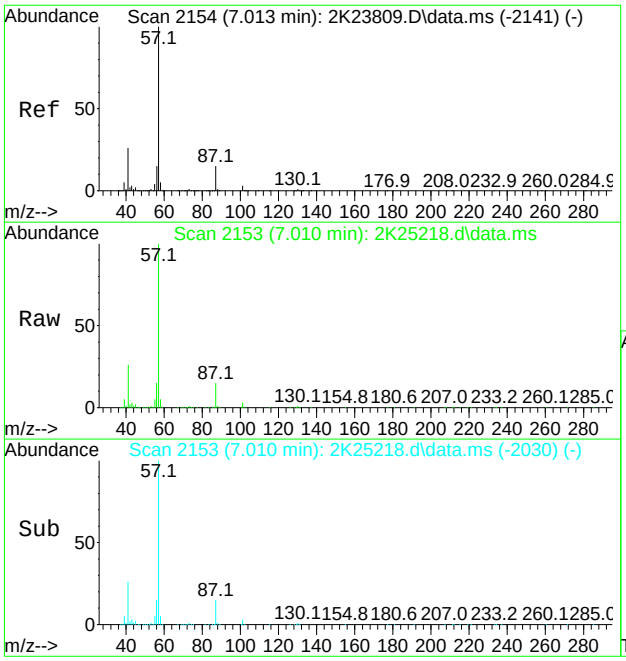


#83
1,2-dibromoethane
Concen: 44.5339 ug/L
RT: 6.811 min Scan# 2091
Delta R.T. -0.006 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion:107 Resp: 270243

Ion	Ratio	Lower	Upper
107	100		
109	96.4	65.7	125.7
188	3.2	0.0	33.6

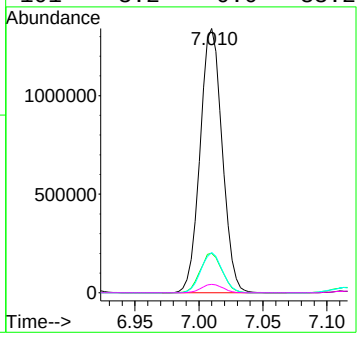


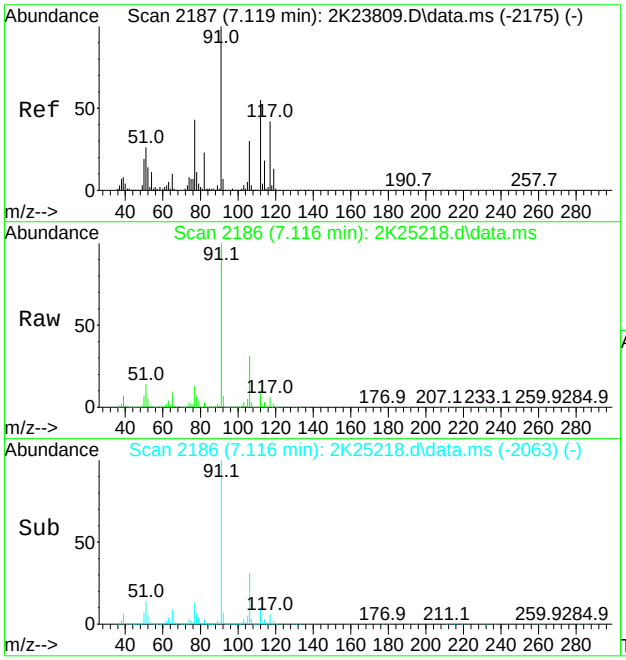


#84
n-butyl ether
Concen: 46.8362 ug/L
RT: 7.010 min Scan# 2153
Delta R.T. -0.003 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion: 57 Resp: 1610683

Ion	Ratio	Lower	Upper
57	100		
56	15.0	0.0	45.2
87	15.3	0.0	45.0
101	3.2	0.0	33.2

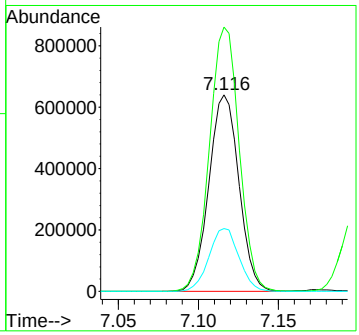


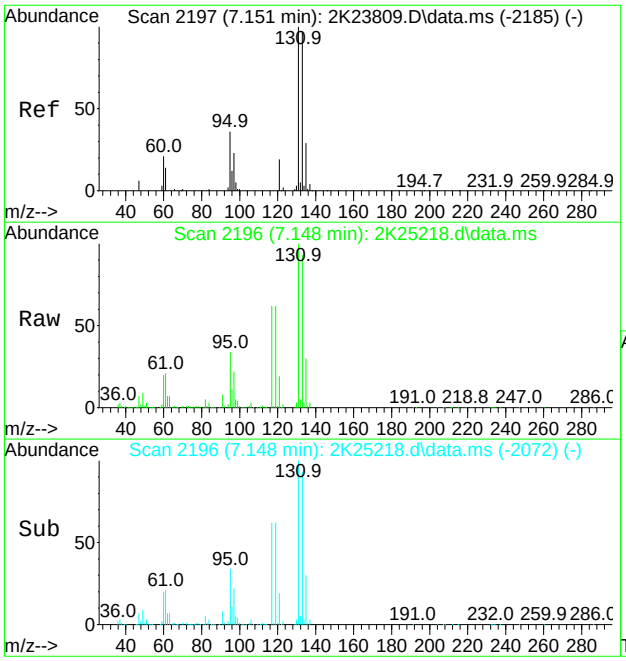


#85
chlorobenzene
Concen: 48.9961 ug/L
RT: 7.116 min Scan# 2186
Delta R.T. -0.003 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion:112 Resp: 836794

Ion	Ratio	Lower	Upper
112	100		
77	134.5	49.5	109.5#
114	32.0	2.1	62.1

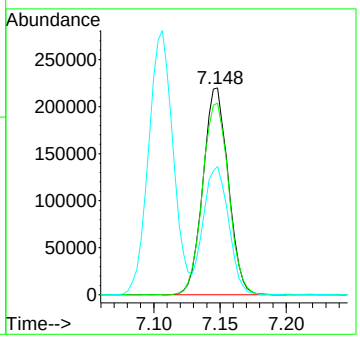


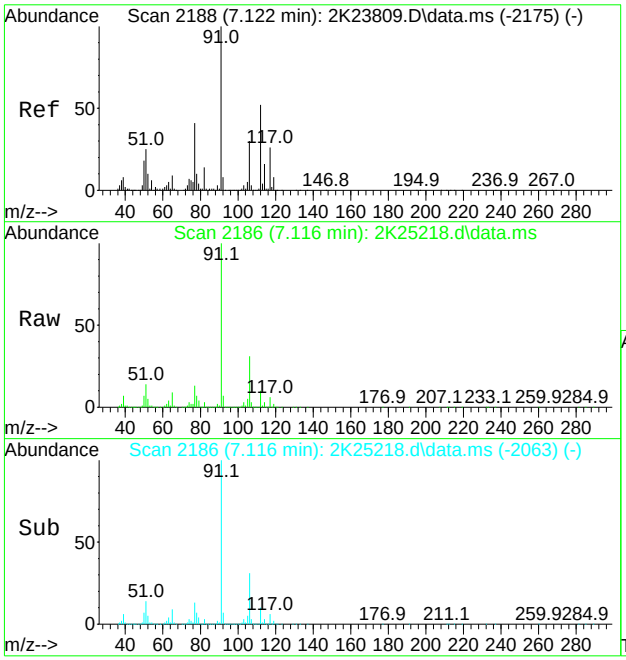


#86
1,1,1,2-tetrachloroethane
Concen: 48.0816 ug/L
RT: 7.148 min Scan# 2196
Delta R.T. -0.003 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion:131 Resp: 292011

Ion	Ratio	Lower	Upper
131	100		
133	92.6	66.7	126.7
119	61.7	31.1	91.1

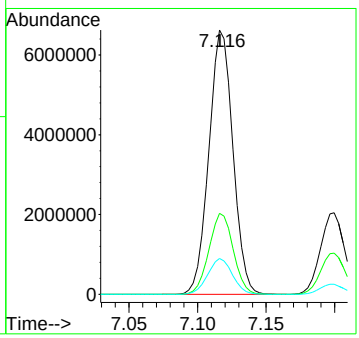


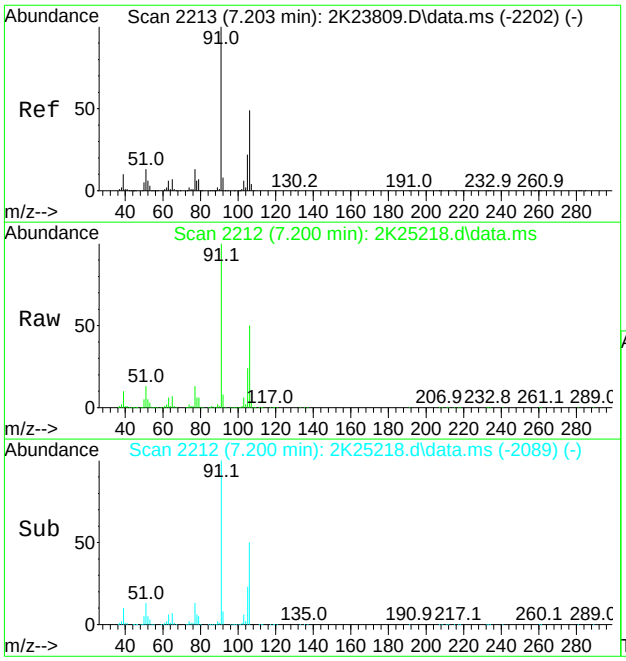


#87
ethylbenzene
Concen: 256.6869 ug/L
RT: 7.116 min Scan# 2186
Delta R.T. -0.006 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion: 91 Resp: 8061311

Ion	Ratio	Lower	Upper
91	100		
106	30.6	0.3	60.3
51	13.6	0.0	55.4

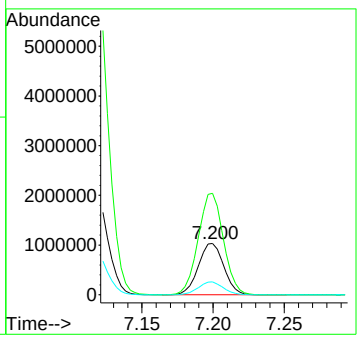


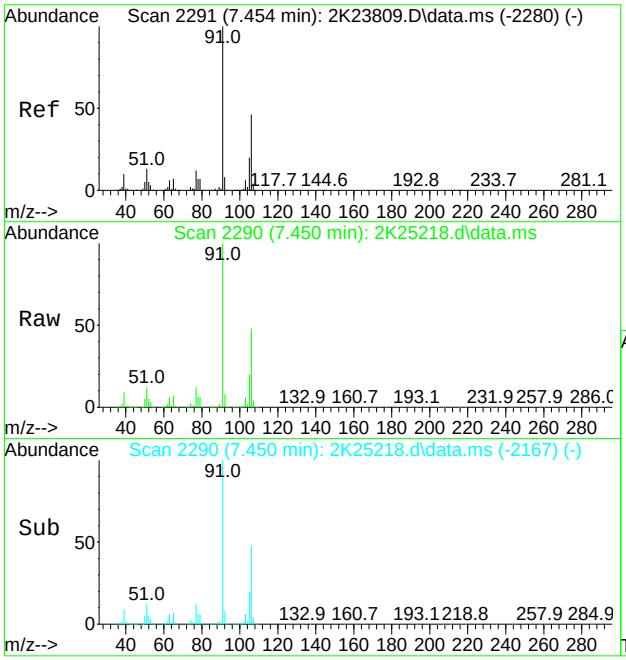


#88
m,p-xylene
Concen: 111.7052 ug/L
RT: 7.200 min Scan# 2212
Delta R.T. -0.003 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion:106 Resp: 1286410

Ion	Ratio	Lower	Upper
106	100		
91	198.0	173.5	233.5
77	25.0	7.0	47.0

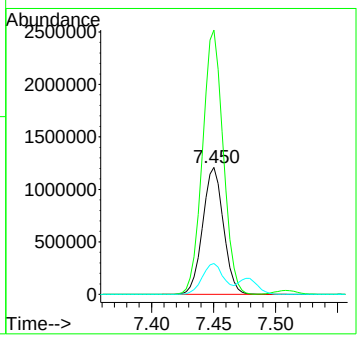


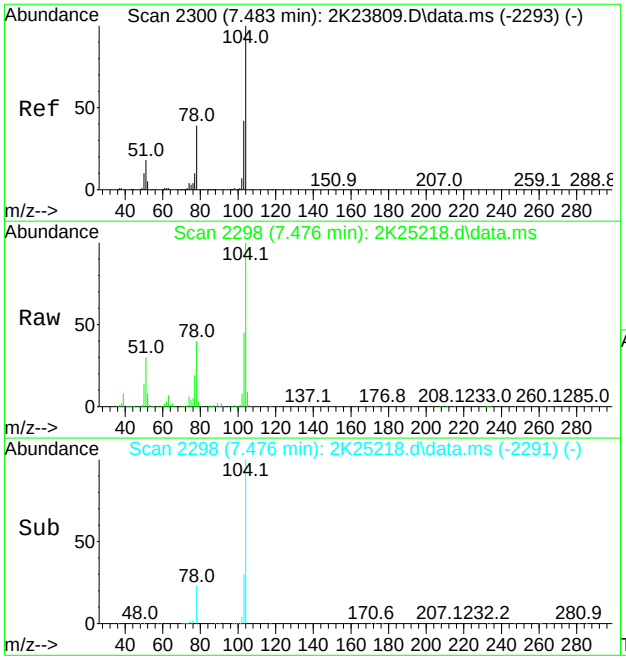


#89
o-xylene
Concen: 125.7718 ug/L
RT: 7.450 min Scan# 2290
Delta R.T. -0.004 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion:106 Resp: 1408790

Ion	Ratio	Lower	Upper
106	100		
91	208.1	186.3	246.3
77	24.3	6.7	46.7

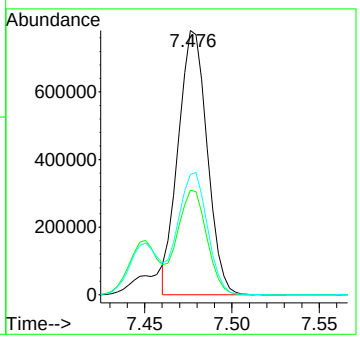


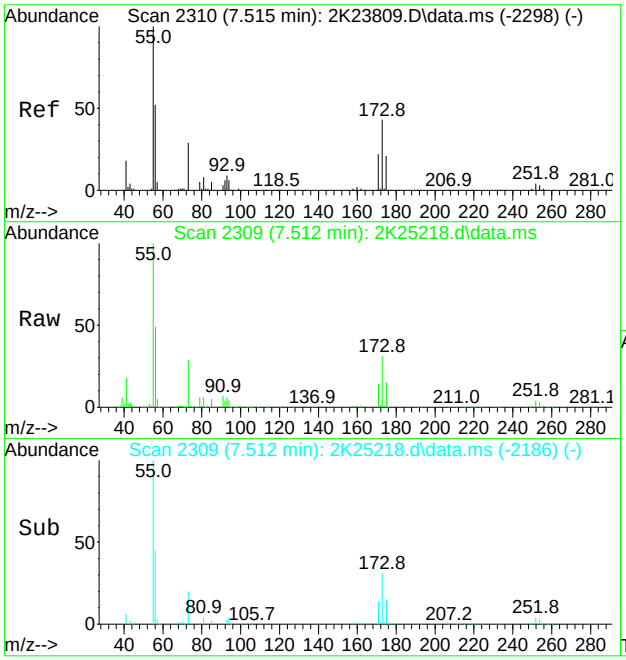


#90
styrene
Concen: 47.4065 ug/L
RT: 7.476 min Scan# 2298
Delta R.T. -0.007 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion:104 Resp: 901918

Ion	Ratio	Lower	Upper
104	100		
78	39.5	14.3	74.3
103	45.4	17.0	77.0

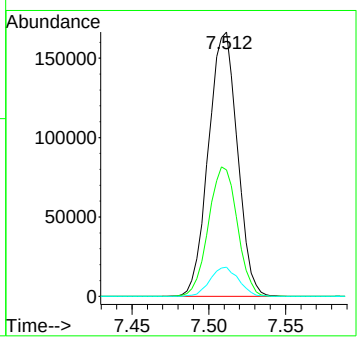


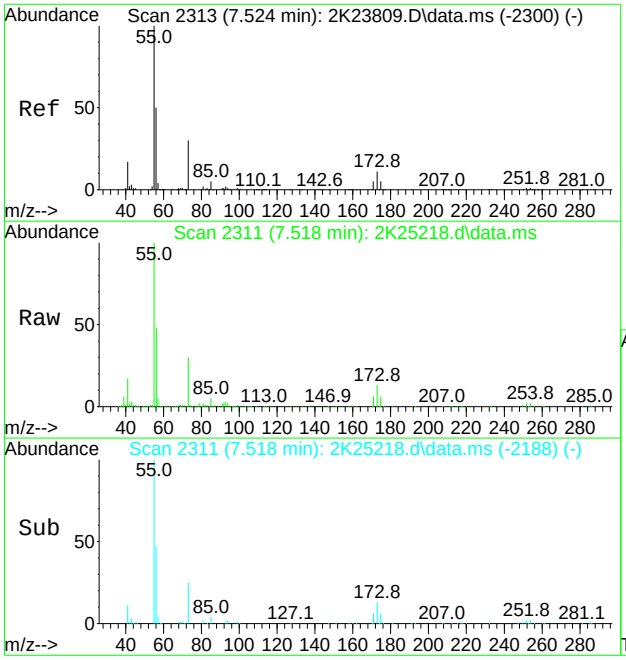


#91
bromoform
Concen: 42.4125 ug/L
RT: 7.512 min Scan# 2309
Delta R.T. -0.003 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion:173 Resp: 218062

Ion	Ratio	Lower	Upper
173	100		
175	47.8	18.6	78.6
254	11.1	0.0	37.9

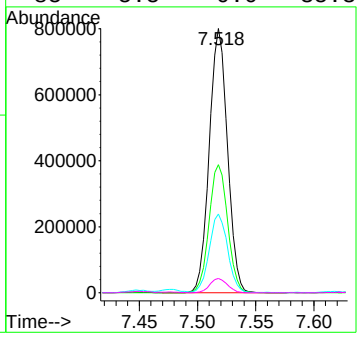


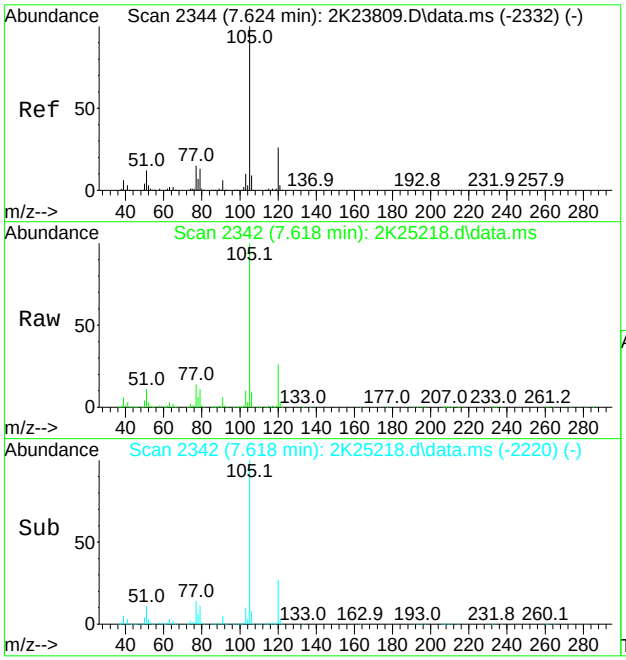


#92
butyl acrylate
Concen: 45.3300 ug/L
RT: 7.518 min Scan# 2311
Delta R.T. -0.006 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion: 55 Resp: 872071

Ion	Ratio	Lower	Upper
55	100		
56	48.5	20.5	80.5
73	29.7	0.7	60.7
85	5.5	0.0	35.3

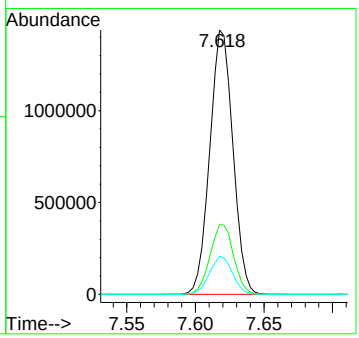


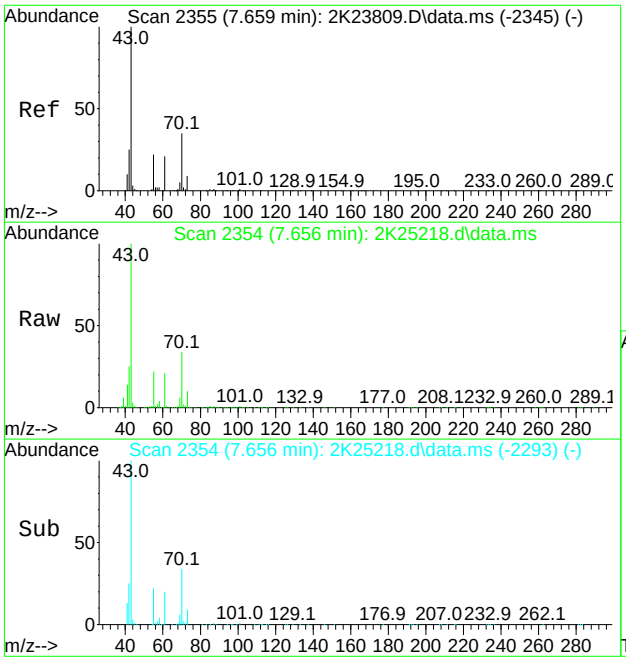


#93
isopropylbenzene
Concen: 60.4955 ug/L
RT: 7.618 min Scan# 2342
Delta R.T. -0.006 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion:105 Resp: 1684506

Ion	Ratio	Lower	Upper
105	100		
120	26.5	6.4	46.4
77	14.4	0.0	35.1

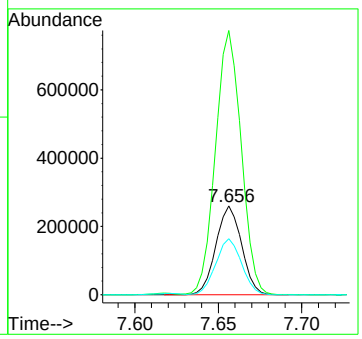


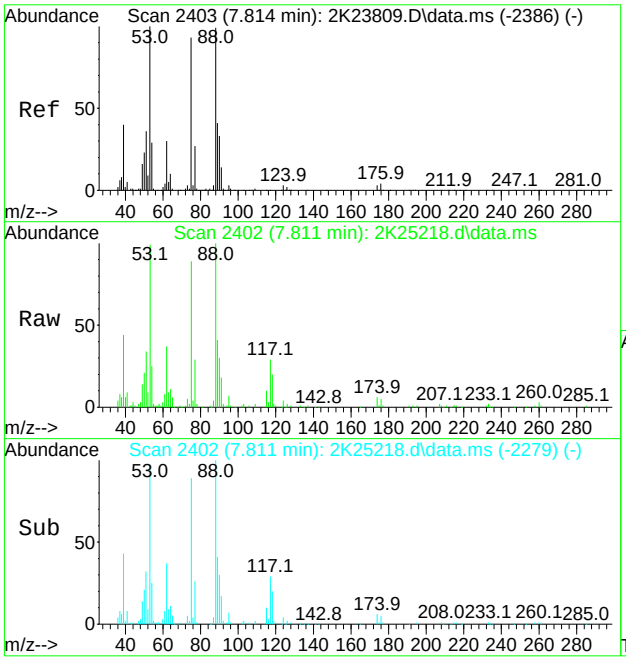


#94
n-amyl acetate
Concen: 44.7609 ug/L
RT: 7.656 min Scan# 2354
Delta R.T. -0.003 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion: 70 Resp: 277263

Ion	Ratio	Lower	Upper
70	100		
43	297.1	265.5	305.5
61	63.0	41.9	81.9

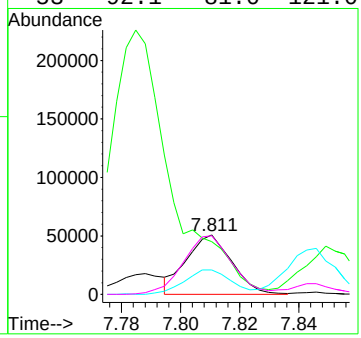


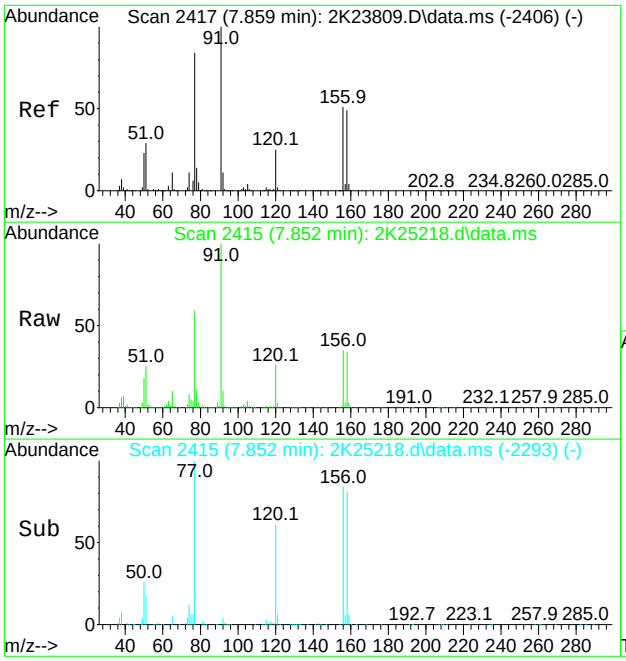


#95
cis-1,4-dichloro-2-butene
Concen: 12.1907 ug/L
RT: 7.811 min Scan# 2402
Delta R.T. -0.003 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion: 88 Resp: 54221

Ion	Ratio	Lower	Upper
88	100		
75	66.4	73.7	113.7#
89	36.3	20.9	60.9
53	92.1	81.0	121.0

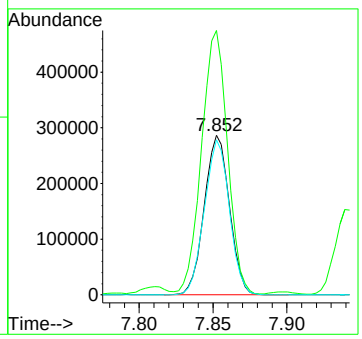


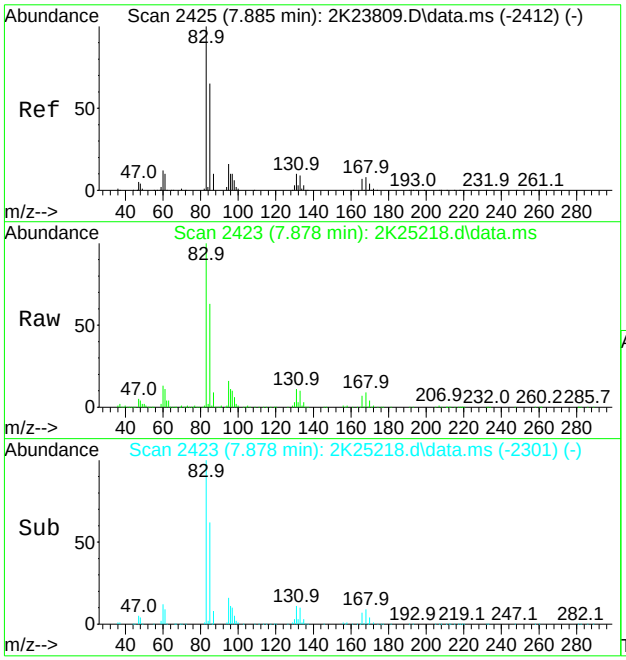


#98
bromobenzene
Concen: 45.3595 ug/L
RT: 7.852 min Scan# 2415
Delta R.T. -0.007 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion:156 Resp: 338326

Ion	Ratio	Lower	Upper
156	100		
77	164.1	144.3	204.3
158	97.2	66.5	126.5

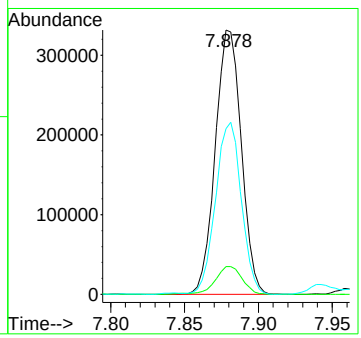


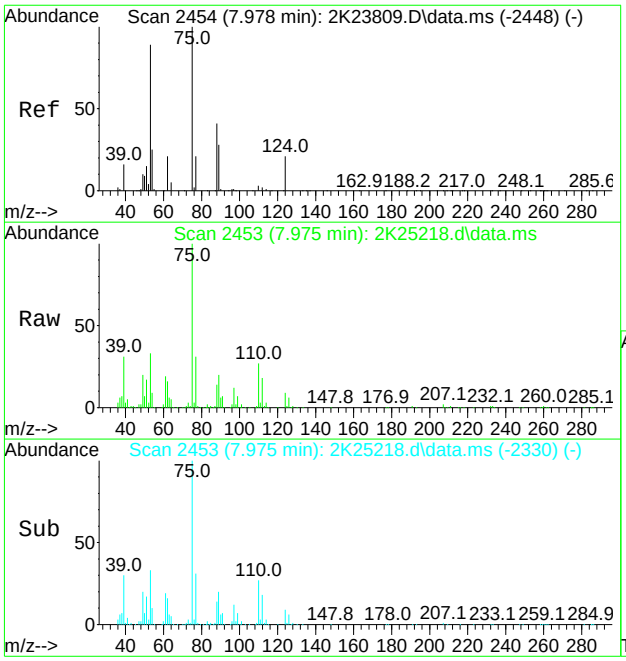


#99
1,1,2,2-tetrachloroethane
Concen: 41.9949 ug/L
RT: 7.878 min Scan# 2423
Delta R.T. -0.007 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion: 83 Resp: 405104

Ion	Ratio	Lower	Upper
83	100		
131	10.6	0.0	40.0
85	62.5	35.3	95.3

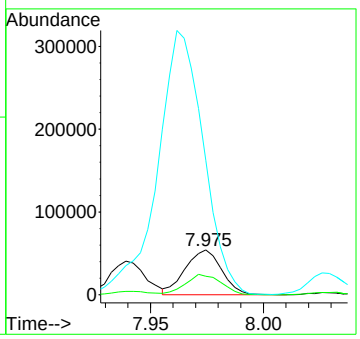


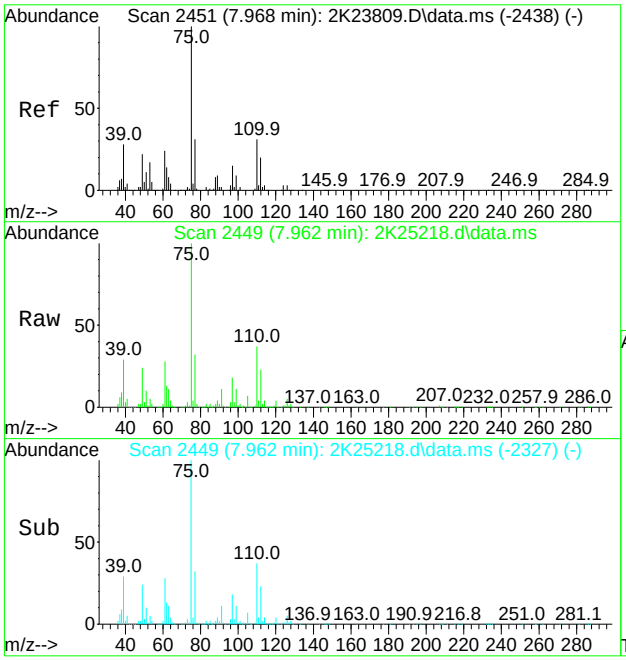


#100
trans-1,4-dichloro-2-butene
Concen: 13.7168 ug/L
RT: 7.975 min Scan# 2453
Delta R.T. -0.003 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion: 53 Resp: 60626

Ion	Ratio	Lower	Upper
53	100		
88	41.3	15.2	75.2
75	296.3	166.9	226.9#

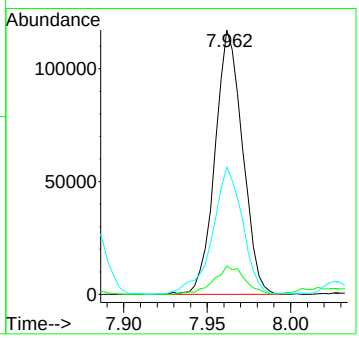


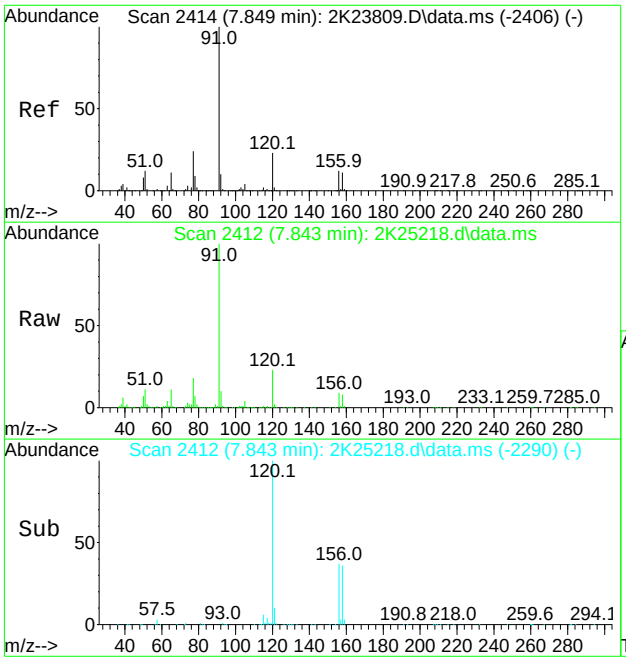


#101
1,2,3-trichloropropane
Concen: 41.0999 ug/L
RT: 7.962 min Scan# 2449
Delta R.T. -0.006 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion:110 Resp: 134252

Ion	Ratio	Lower	Upper
110	100		
111	10.9	0.0	39.3
97	48.0	17.7	77.7

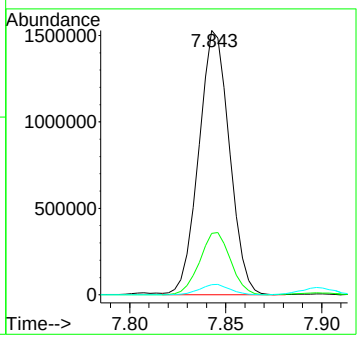


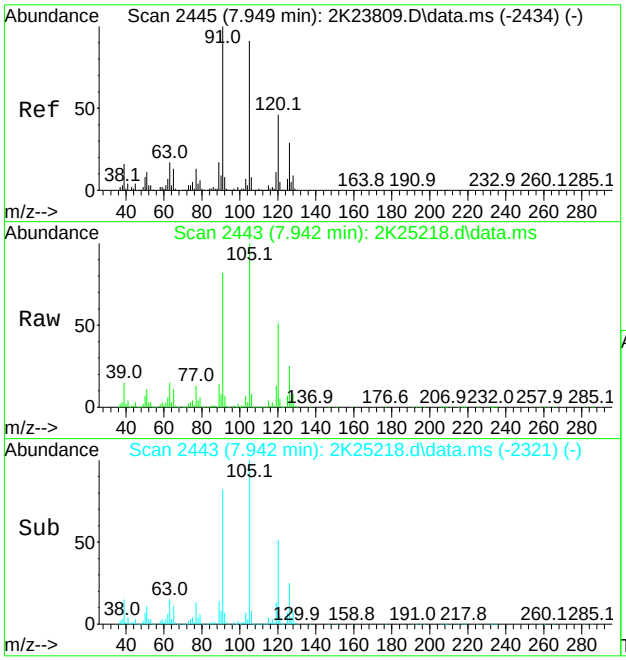


#102
n-propylbenzene
Concen: 49.6450 ug/L
RT: 7.843 min Scan# 2412
Delta R.T. -0.006 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion: 91 Resp: 1698980

Ion	Ratio	Lower	Upper
91	100		
120	23.2	0.0	52.7
105	3.9	0.0	34.0

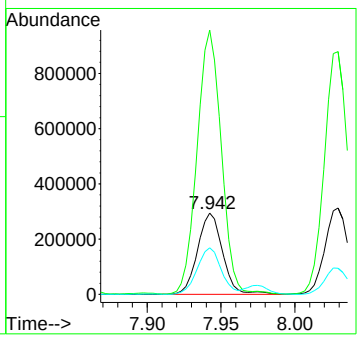


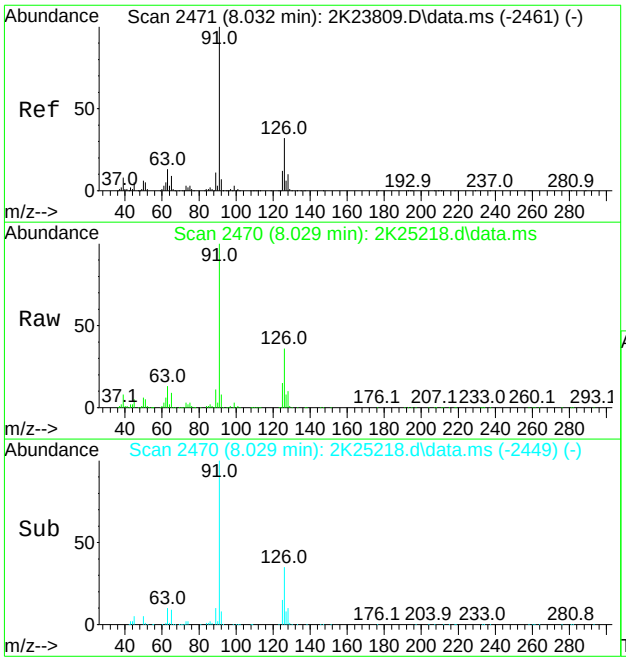


#103
2-chlorotoluene
Concen: 49.4010 ug/L
RT: 7.942 min Scan# 2443
Delta R.T. -0.007 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion:126 Resp: 345747

Ion	Ratio	Lower	Upper
126	100		
91	324.5	309.9	369.9
89	57.0	27.7	87.7

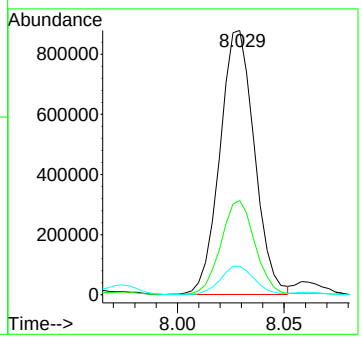


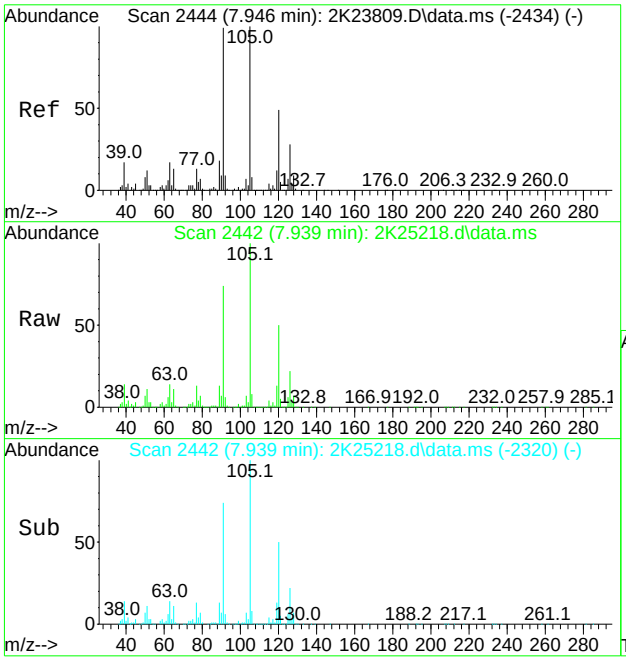


#104
4-chlorotoluene
Concen: 44.1103 ug/L
RT: 8.029 min Scan# 2470
Delta R.T. -0.003 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion: 91 Resp: 988956

Ion	Ratio	Lower	Upper
91	100		
126	35.6	1.8	61.8
89	10.7	0.0	41.0

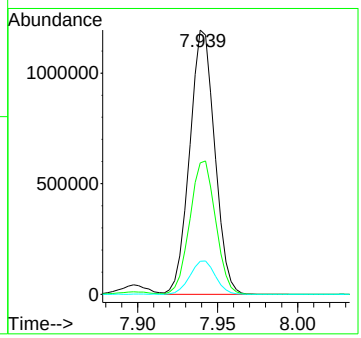


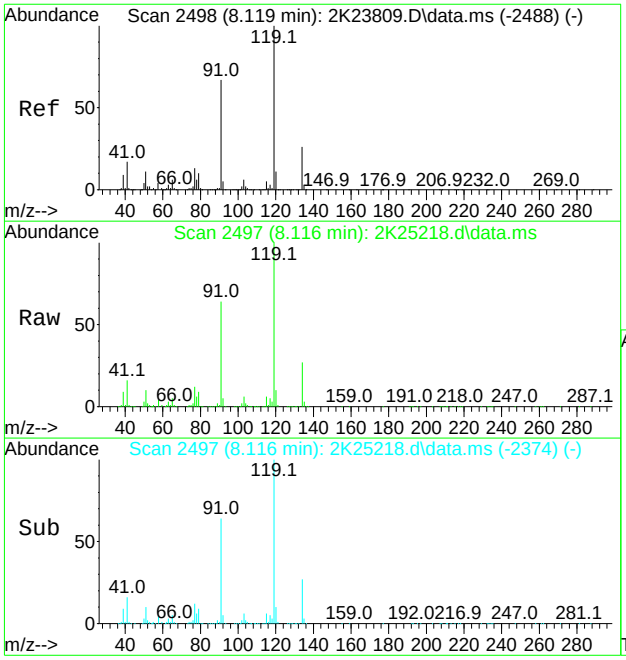


#105
1,3,5-trimethylbenzene
Concen: 55.7884 ug/L
RT: 7.939 min Scan# 2442
Delta R.T. -0.007 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion:105 Resp: 1304306

Ion	Ratio	Lower	Upper
105	100		
120	49.7	19.0	79.0
119	12.6	0.0	42.0

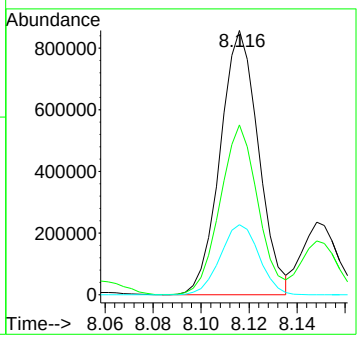


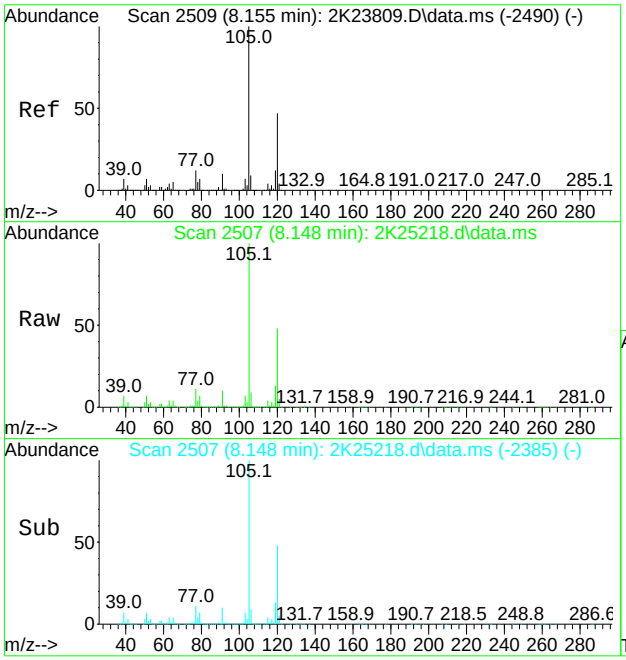


#106
tert-butylbenzene
Concen: 47.4060 ug/L
RT: 8.116 min Scan# 2497
Delta R.T. -0.003 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion:119 Resp: 950588

Ion	Ratio	Lower	Upper
119	100		
91	64.1	37.4	97.4
134	26.5	0.0	55.8

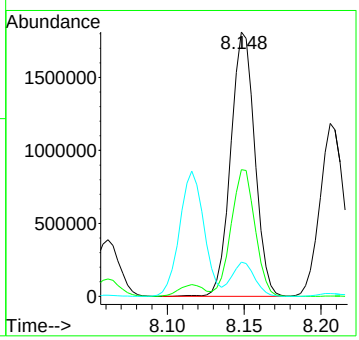


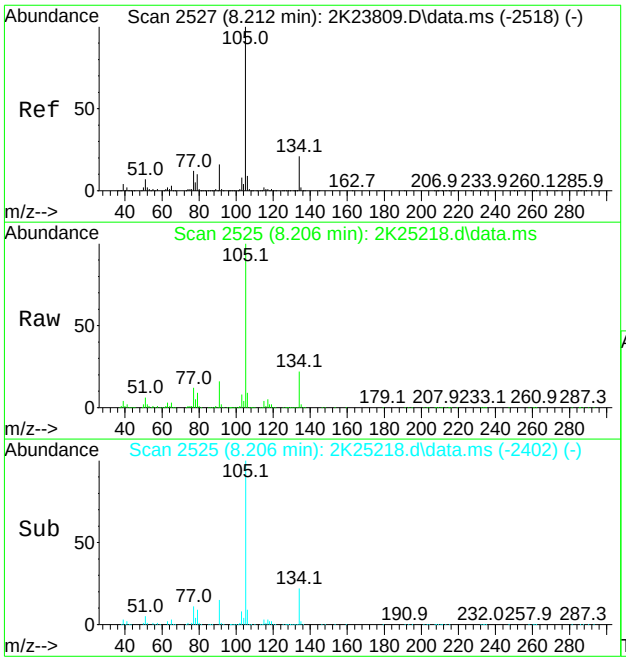


#107
1,2,4-trimethylbenzene
Concen: 84.9883 ug/L
RT: 8.148 min Scan# 2507
Delta R.T. -0.007 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion:105 Resp: 1972925

Ion	Ratio	Lower	Upper
105	100		
120	47.8	16.8	76.8
119	13.0	0.0	42.0

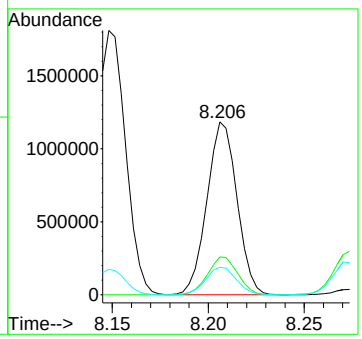


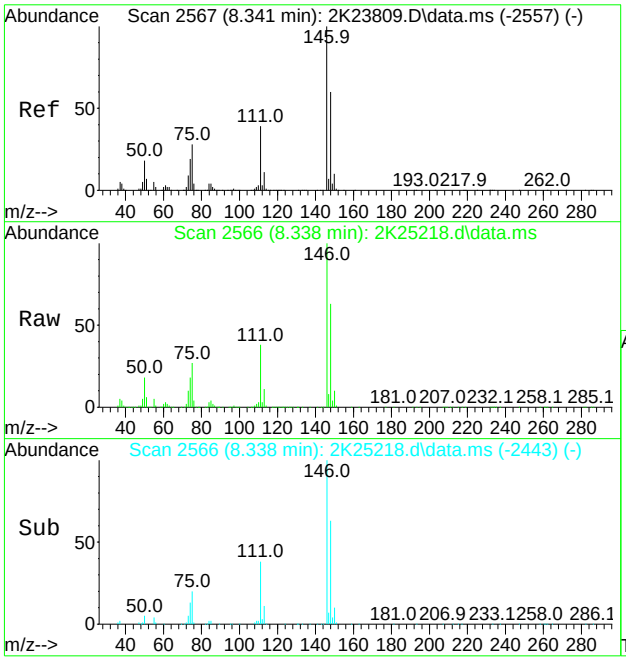


#108
sec-butylbenzene
Concen: 48.7185 ug/L
RT: 8.206 min Scan# 2525
Delta R.T. -0.006 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion:105 Resp: 1290402

Ion	Ratio	Lower	Upper
105	100		
134	21.9	0.0	51.4
91	15.9	0.0	45.7

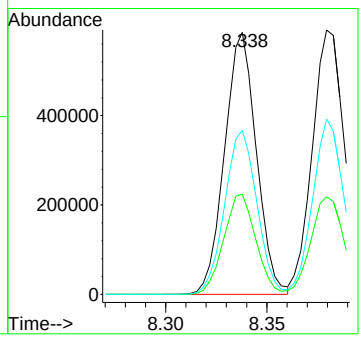


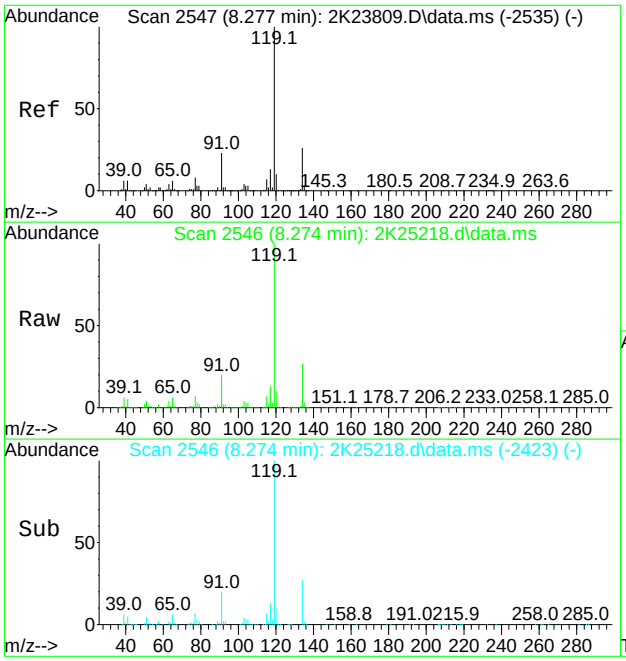


#109
1,3-dichlorobenzene
Concen: 46.3956 ug/L
RT: 8.338 min Scan# 2566
Delta R.T. -0.003 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion:146 Resp: 640772

Ion	Ratio	Lower	Upper
146	100		
111	38.3	8.6	68.6
148	62.6	29.8	89.8

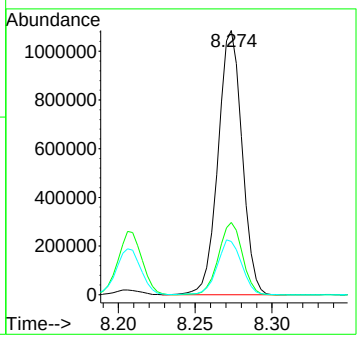


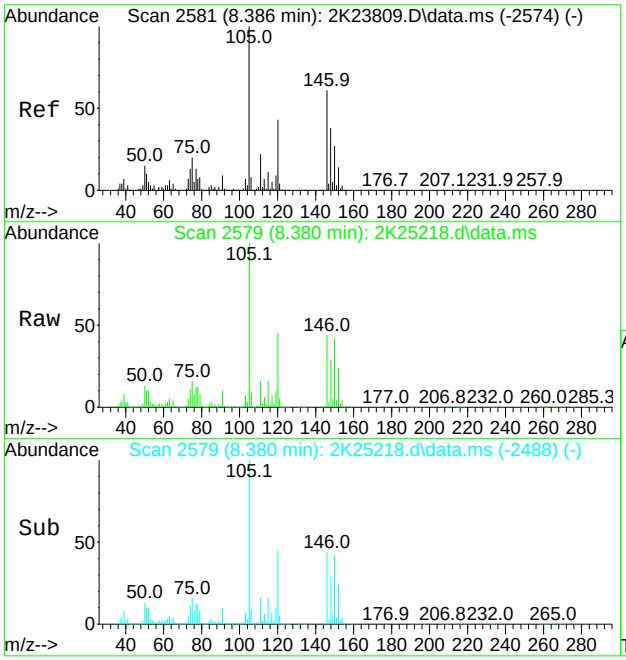


#110
p-isopropyltoluene
Concen: 50.9897 ug/L
RT: 8.274 min Scan# 2546
Delta R.T. -0.003 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion:119 Resp: 1177150

Ion	Ratio	Lower	Upper
119	100		
134	27.4	0.0	56.0
91	20.1	0.0	53.4

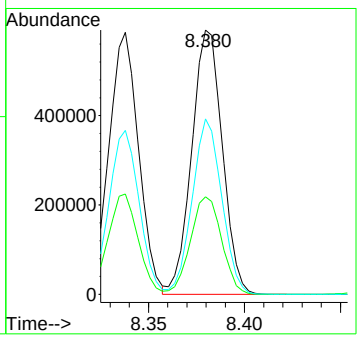


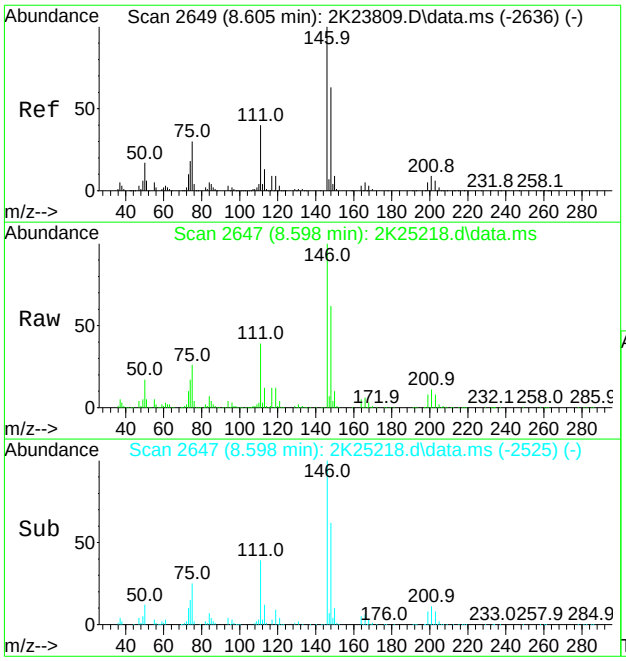


#111
1,4-dichlorobenzene
Concen: 47.7211 ug/L
RT: 8.380 min Scan# 2579
Delta R.T. -0.006 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion:146 Resp: 657071

Ion	Ratio	Lower	Upper
146	100		
111	36.9	6.3	66.3
148	66.4	32.9	92.9

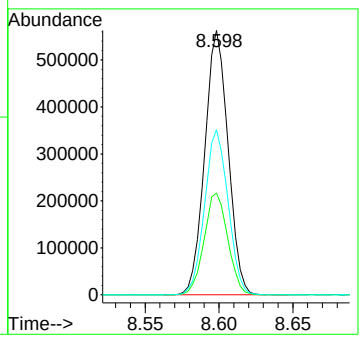


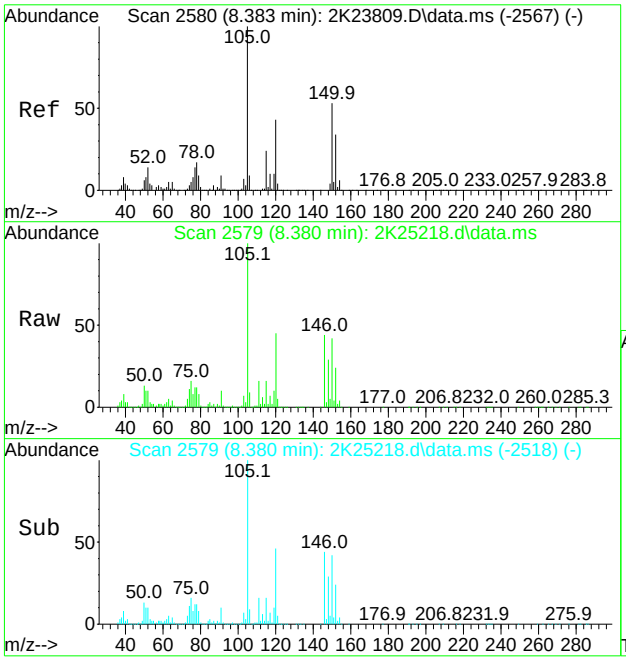


#112
1,2-dichlorobenzene
Concen: 46.7853 ug/L
RT: 8.598 min Scan# 2647
Delta R.T. -0.007 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion:146 Resp: 615637

Ion	Ratio	Lower	Upper
146	100		
111	38.5	10.0	70.0
148	62.5	33.3	93.3

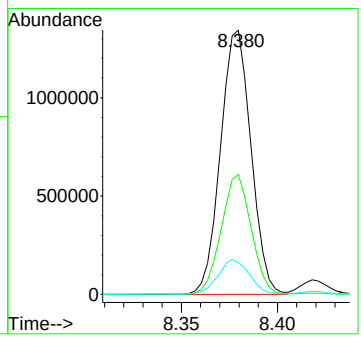


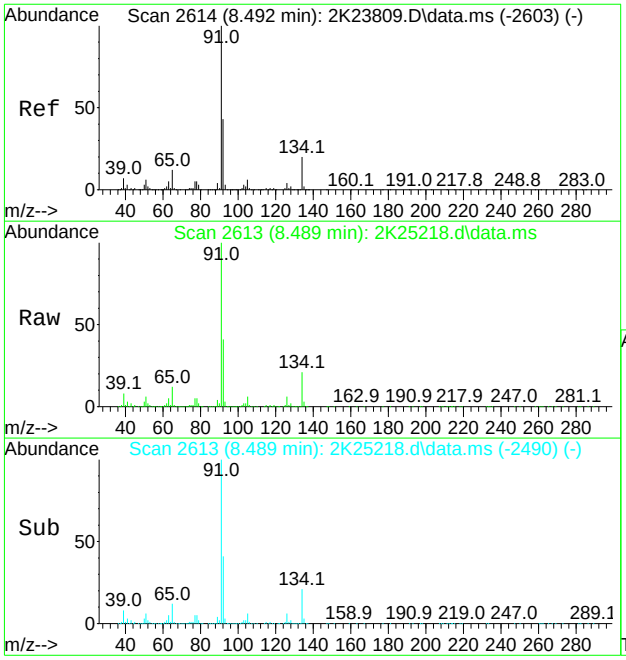


#113
1,2,3-trimethylbenzene
Concen: 61.3407 ug/L
RT: 8.380 min Scan# 2579
Delta R.T. -0.003 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion:105 Resp: 1486167

Ion	Ratio	Lower	Upper
105	100		
120	45.3	13.3	73.3
77	11.9	0.0	43.9

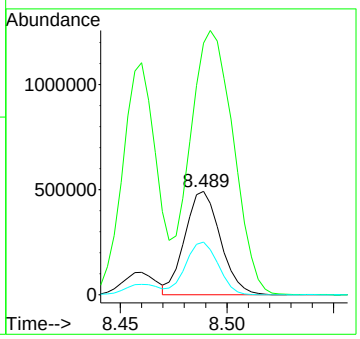


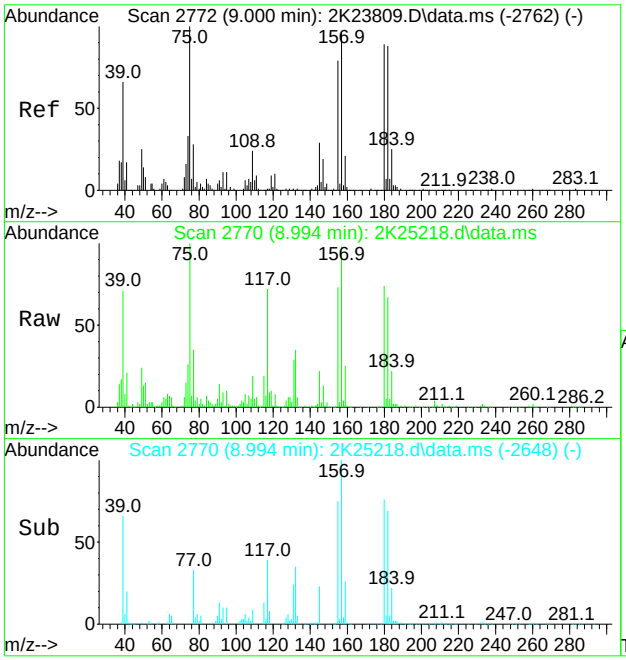


#114
n-butylbenzene
Concen: 49.6067 ug/L
RT: 8.489 min Scan# 2613
Delta R.T. -0.003 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion: 92 Resp: 570154

Ion	Ratio	Lower	Upper
92	100		
91	242.9	203.0	263.0
134	50.9	17.1	77.1

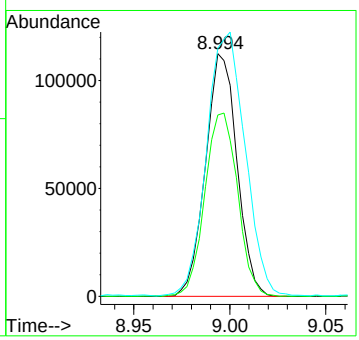


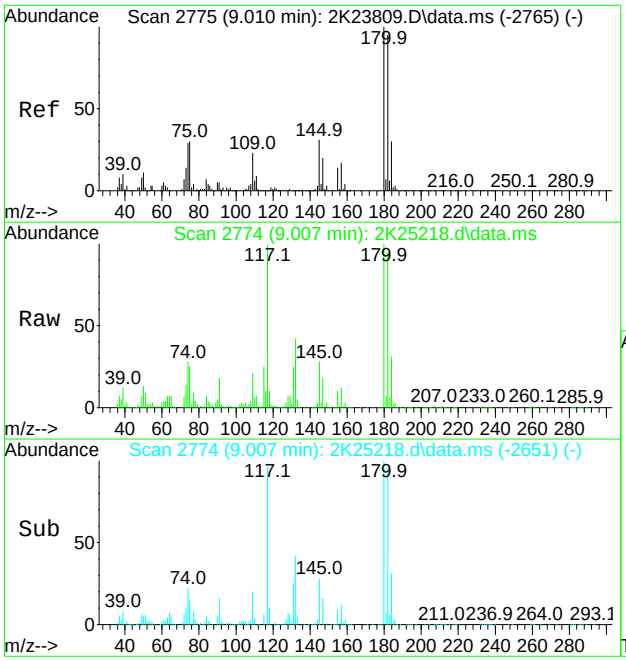


#115
1,2-dibromo-3-chloropropane
Concen: 42.8645 ug/L
RT: 8.994 min Scan# 2770
Delta R.T. -0.006 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion:157 Resp: 128660

Ion	Ratio	Lower	Upper
157	100		
155	74.8	52.3	112.3
75	101.7	74.2	134.2

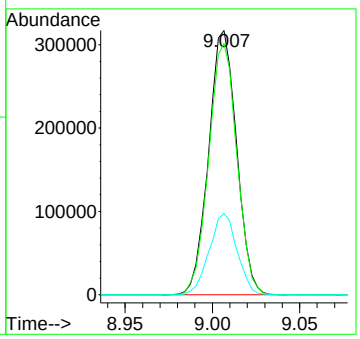


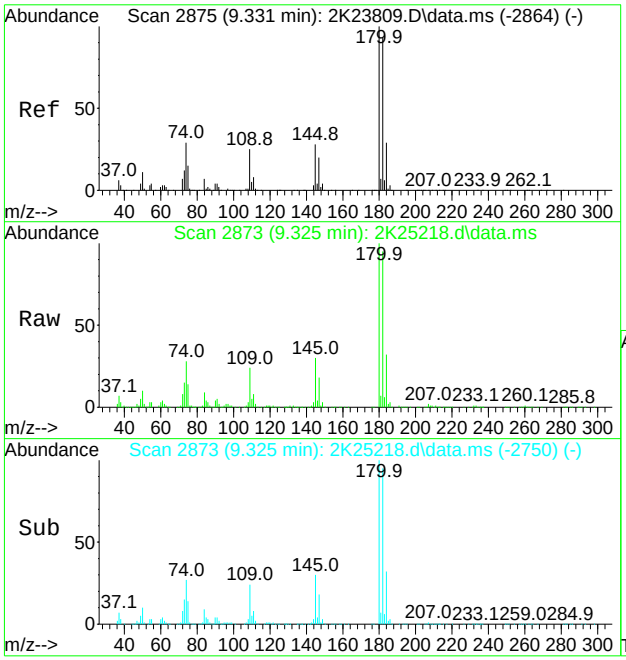


#116
1,3,5-trichlorobenzene
Concen: 46.8408 ug/L
RT: 9.007 min Scan# 2774
Delta R.T. -0.003 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion:180 Resp: 354352

Ion	Ratio	Lower	Upper
180	100		
182	94.9	74.7	114.7
184	30.7	9.9	49.9

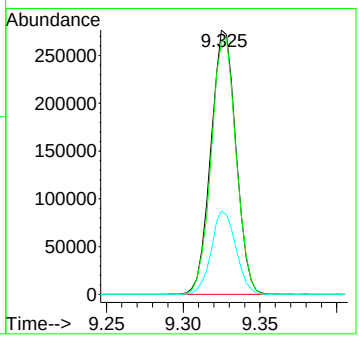


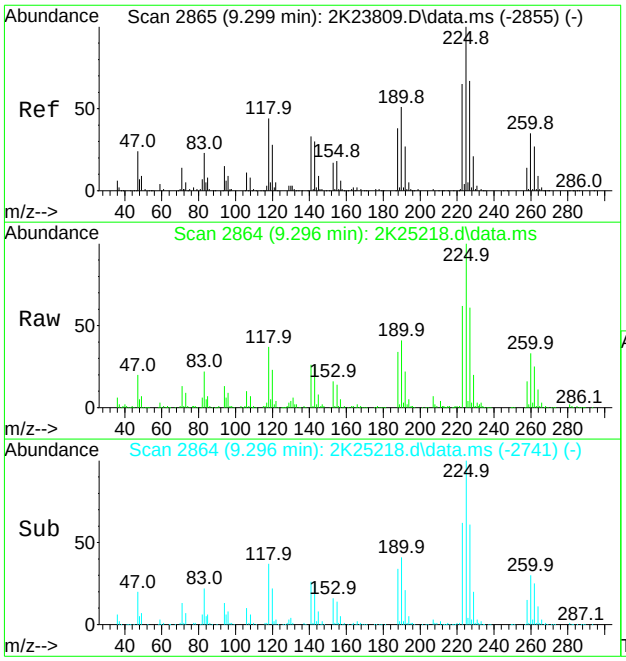


#117
1,2,4-trichlorobenzene
Concen: 47.2386 ug/L
RT: 9.325 min Scan# 2873
Delta R.T. -0.006 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion:180 Resp: 313973

Ion	Ratio	Lower	Upper
180	100		
182	95.3	63.0	123.0
184	31.5	0.0	59.0

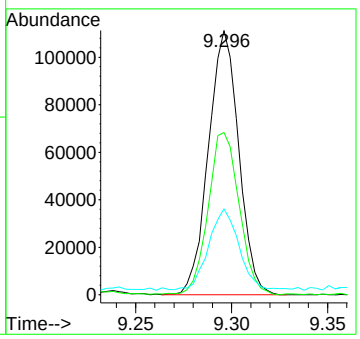


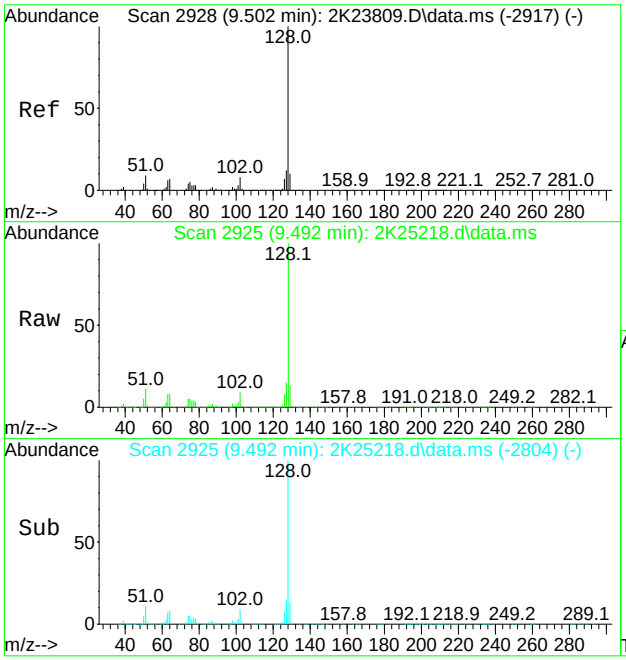


#118
hexachlorobutadiene
Concen: 49.9374 ug/L
RT: 9.296 min Scan# 2864
Delta R.T. -0.003 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion:225 Resp: 122319

Ion	Ratio	Lower	Upper
225	100		
227	61.1	36.8	96.8
260	30.2	5.2	65.2

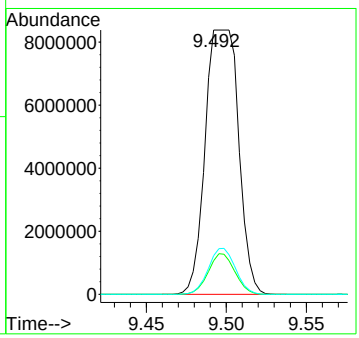


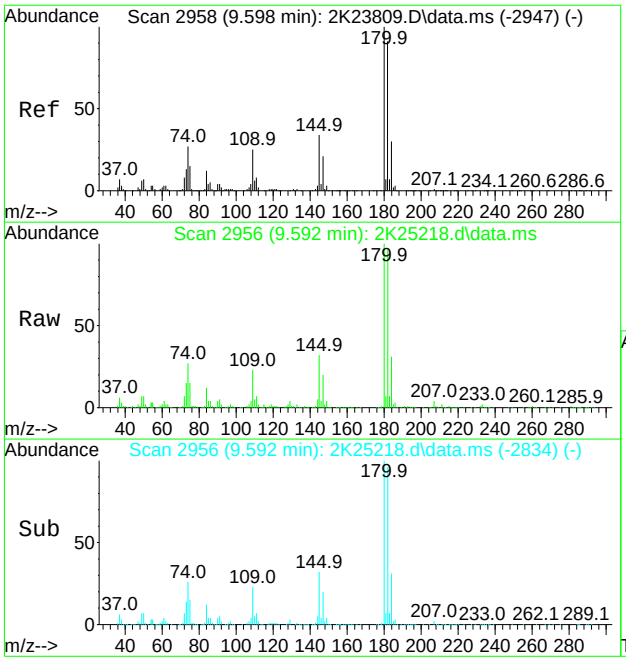


#119
naphthalene
Concen: 514.4250 ug/L
RT: 9.492 min Scan# 2925
Delta R.T. -0.010 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion:128 Resp:12159763

Ion	Ratio	Lower	Upper
128	100		
129	12.8	0.0	40.4
127	14.7	0.0	42.1

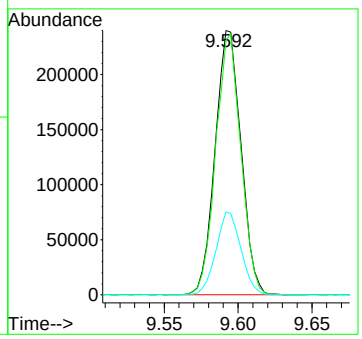


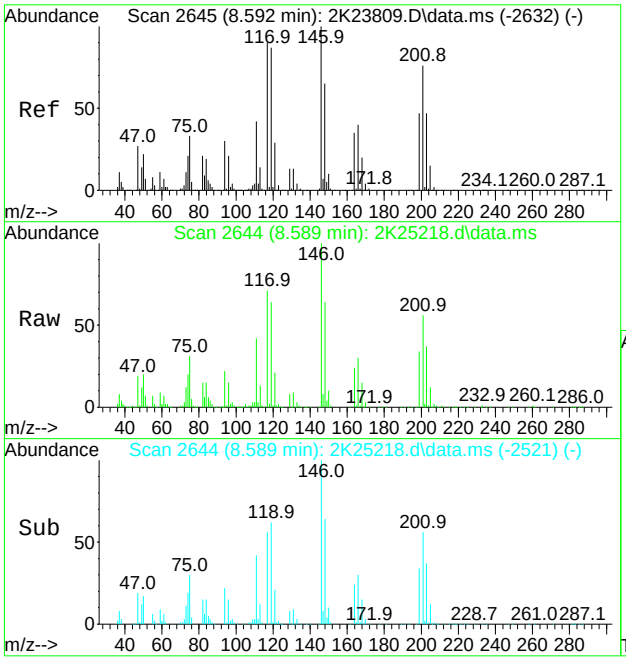


#120
1,2,3-trichlorobenzene
Concen: 46.2606 ug/L
RT: 9.592 min Scan# 2956
Delta R.T. -0.006 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion:180 Resp: 291698

Ion	Ratio	Lower	Upper
180	100		
182	96.2	60.8	120.8
184	31.4	0.3	60.3

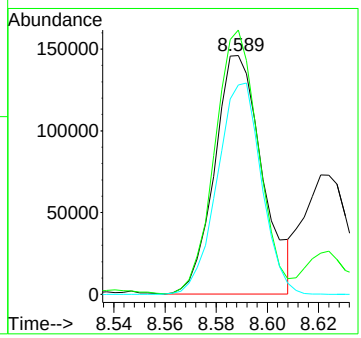


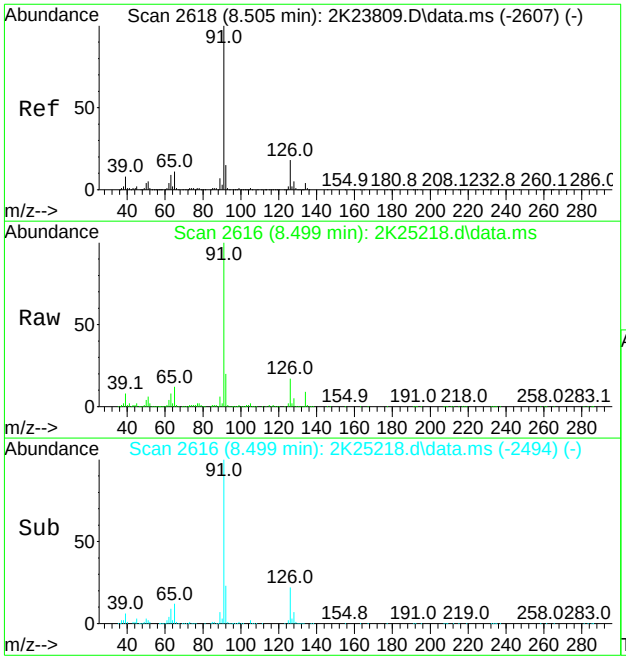


#121
hexachloroethane
Concen: 45.0622 ug/L
RT: 8.589 min Scan# 2644
Delta R.T. -0.003 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion:119 Resp: 188340

Ion	Ratio	Lower	Upper
119	100		
117	110.7	72.5	132.5
201	87.7	56.6	116.6

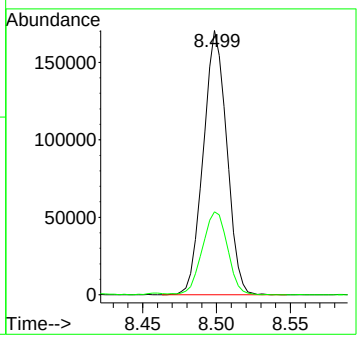


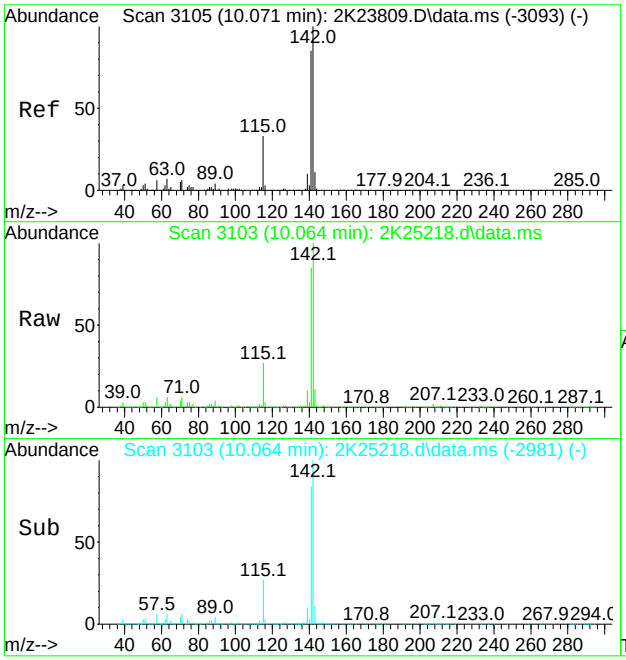


#122
benzyl chloride
Concen: 43.3000 ug/L
RT: 8.499 min Scan# 2616
Delta R.T. -0.006 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion:126 Resp: 187981

Ion	Ratio	Lower	Upper
126	100		
128	31.4	1.1	61.1

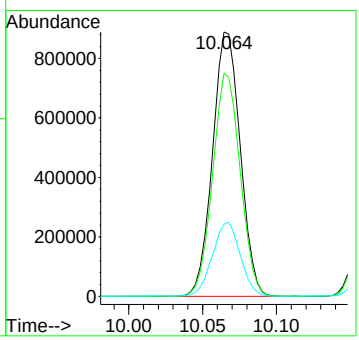




#123
2-methylnaphthalene
Concen: 99.3308 ug/L
RT: 10.064 min Scan# 3103
Delta R.T. -0.007 min
Lab File: 2K25218.d
Acq: 18 Oct 2025 1:52 am

Tgt Ion:142 Resp: 1154664

Ion	Ratio	Lower	Upper
142	100		
141	84.5	54.5	114.5
115	27.2	3.3	63.3



Manual Integration Approval Summary

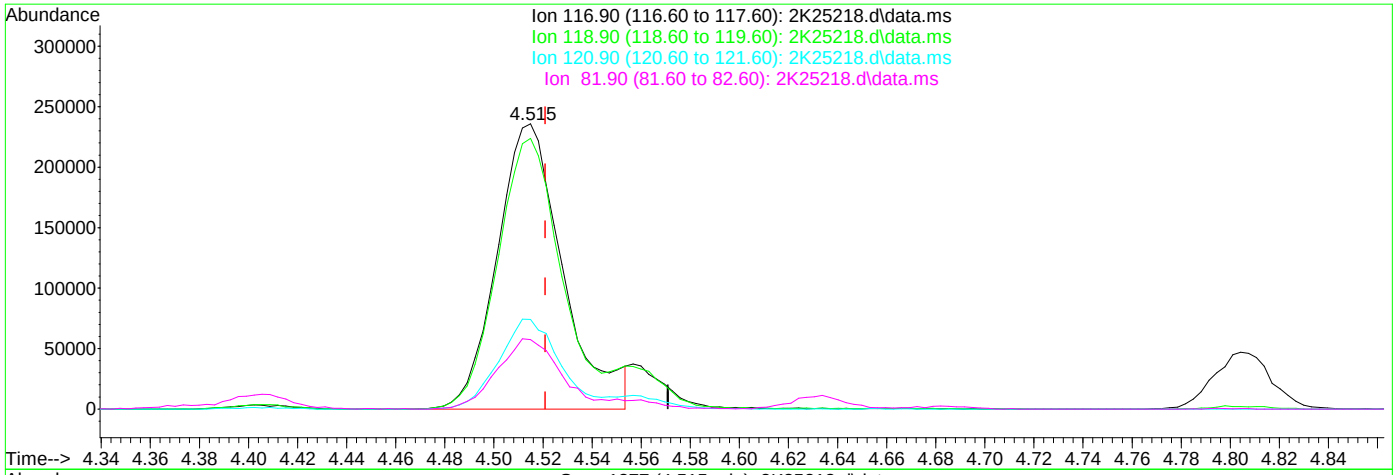
Sample Number: JE20825-1MS
Lab FileID: 2K25218.D
Injection Time: 10/18/25 01:52
Method: SW846 8260D
Analyst approved: 10/20/25 15:14 Karol Nino
Supervisor approved: 10/22/25 05:53 Janelle Claus

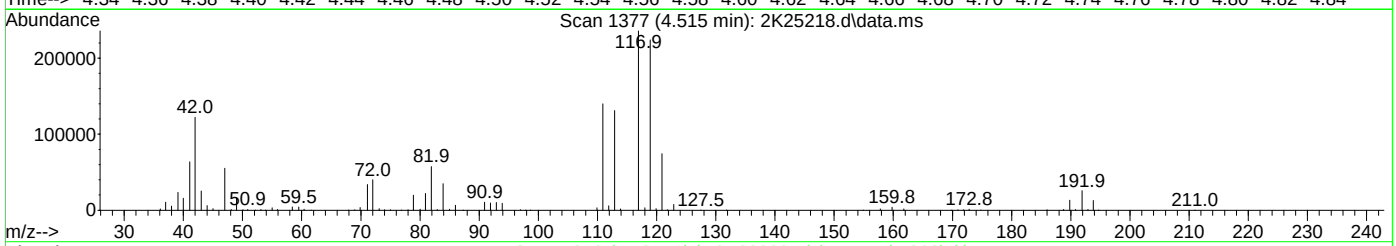
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon tetrachloride	56-23-5		4.51	Overlapping peak

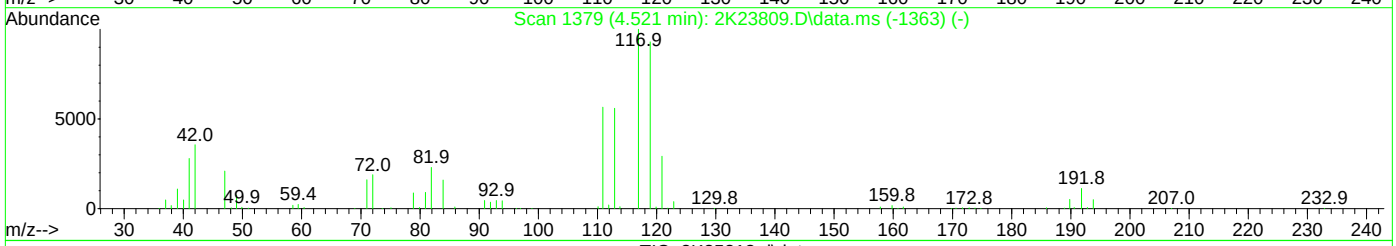
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\karoln\10. October\20102025\v2k694\
Data File : 2K25218.d
Acq On : 18 Oct 2025 1:52 am
Operator : EDWARDD
Sample : je20825-1ms Inst : GCMSK
Misc : MS98030,V2K694,5,,,,1
ALS Vial : 60 Sample Multiplier: 1

Quant Time: Oct 20 13:31:03 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 13:21:53 2025
Response via : Initial Calibration







TIC: 2K25218.d\data.ms

(47) carbon tetrachloride

4.515min (-0.006) 46.58ug/L

response 438373

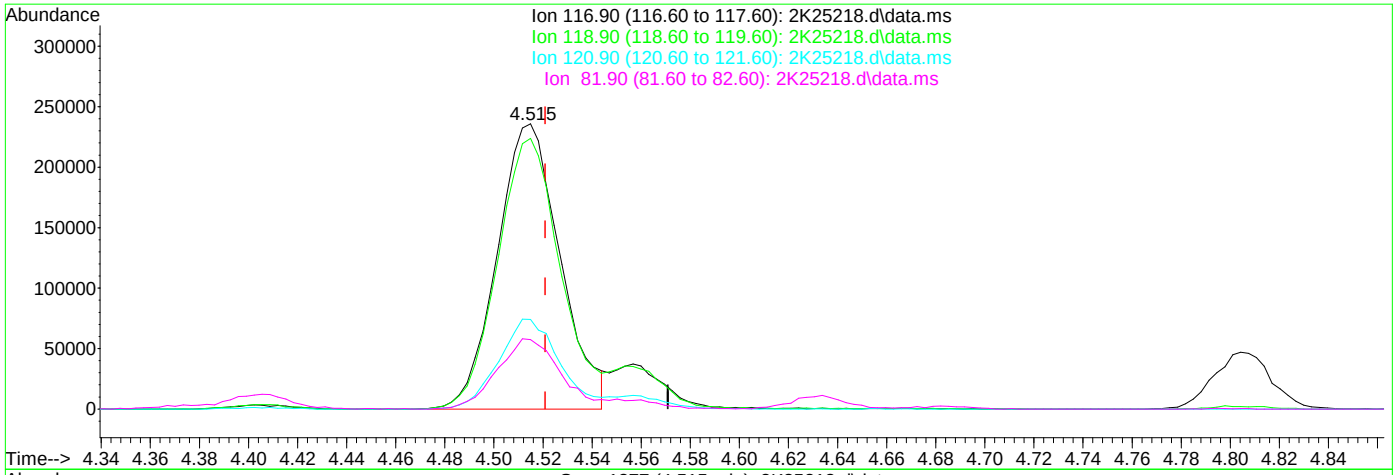
Ion	Exp%	Act%
116.90	100	100
118.90	92.90	94.87
120.90	29.20	31.42
81.90	22.90	24.22

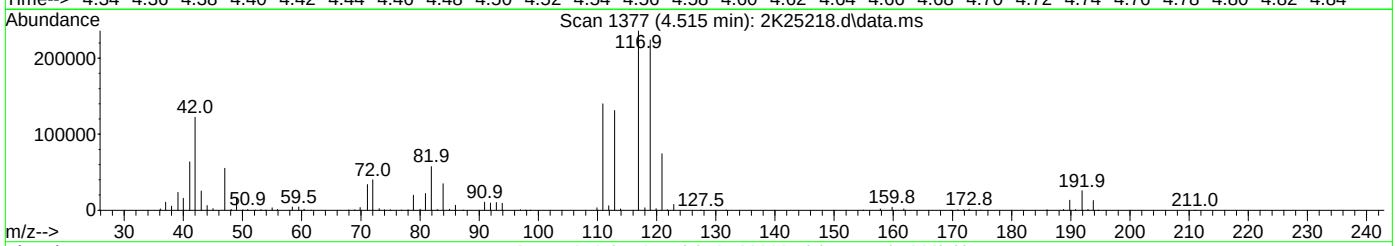
2K25218.D edits: carbon tetrachloride

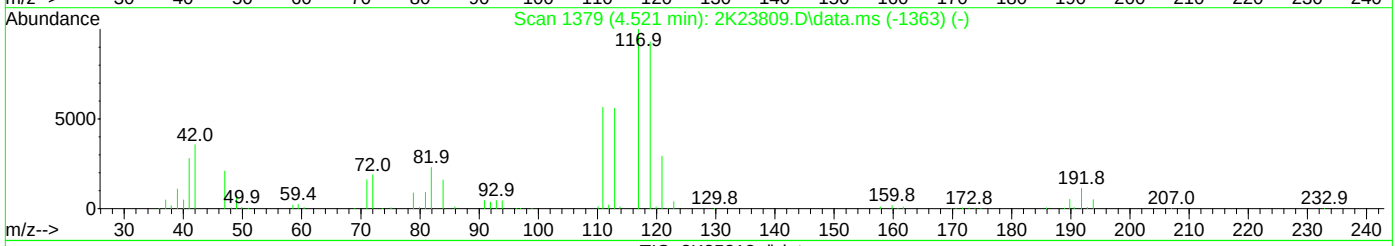
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\karoln\10. October\20102025\v2k694\
Data File : 2K25218.d
Acq On : 18 Oct 2025 1:52 am
Operator : EDWARDD
Sample : je20825-1ms Inst : GCMSK
Misc : MS98030,V2K694,5,,,,1
ALS Vial : 60 Sample Multiplier: 1

Quant Time: Oct 20 13:31:03 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 13:21:53 2025
Response via : Initial Calibration







TIC: 2K25218.d\data.ms

(47) carbon tetrachloride

4.515min (-0.006) 44.56ug/L m

response 419379

Ion	Exp%	Act%
116.90	100	100
118.90	92.90	94.87
120.90	29.20	31.42
81.90	22.90	24.38

2K25218.D edits: carbon tetrachloride

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\karoln\10. October\20102025\v2k694\
Data File : 2K25220.d
Acq On : 18 Oct 2025 2:25 am
Operator : EDWARDD
Sample : je20825-1msd Inst : GCMSK
Misc : MS98030,V2K694,5,,,,1
ALS Vial : 62 Sample Multiplier: 1

Quant Time: Oct 20 14:38:54 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 13:21:53 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	3.495	65	928258	500.00	ug/L	0.00
5) pentafluorobenzene	4.804	168	941948	50.00	ug/L	0.00
50) 1,4-difluorobenzene	5.167	114	1498991	50.00	ug/L	0.00
72) chlorobenzene-d5	7.106	117	1237653	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	8.373	152	618135	50.00	ug/L	0.00
124) pentafluorobenzene(a)	4.804	168	941948	50.00	ug/L	0.00
128) 1,4-dichlorobenzene-d4(a)	8.373	152	618135	50.00	ug/L	0.00
System Monitoring Compounds						
42) dibromofluoromethane (s)	4.524	113	377427	46.98	ug/L	0.00
Spiked Amount 50.000	Range 75 - 127		Recovery = 93.96%			
51) 1,2-dichloroethane-d4 (s)	4.875	65	468720	44.15	ug/L	-0.01
Spiked Amount 50.000	Range 75 - 130		Recovery = 88.30%			
73) toluene-d8 (s)	6.116	98	1673578	49.06	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.12%			
97) 4-bromofluorobenzene (s)	7.785	95	575748	44.38	ug/L	0.00
Spiked Amount 50.000	Range 79 - 127		Recovery = 88.76%			
Target Compounds						Qvalue
2) ethanol	2.827	45	1123539	4775.0289	ug/L	97
3) tertiary butyl alcohol	3.550	59	522586	247.8896	ug/L	95
4) 1,4-dioxane	5.669	88	172204	1133.9744	ug/L	94
6) chlorodifluoromethane	1.766	51	525876	41.3853	ug/L	99
7) dichlorodifluoromethane	1.724	85	423817	45.5895	ug/L	97
8) chloromethane	1.913	50	553807	51.1616	ug/L	97
9) vinyl chloride	1.975	62	491991	54.5451	ug/L	97
10) 1,3-butadiene	1.991	39	578254	64.4372	ug/L	96
11) bromomethane	2.254	96	94309	32.8067	ug/L #	97
12) chloroethane	2.357	64	197242	43.6820	ug/L	99
13) trichlorofluoromethane	2.479	101	511369	41.5293	ug/L	98
14) ethyl ether	2.727	74	197143	44.3854	ug/L	98
16) freon 113	2.923	151	251101	45.7246	ug/L	93
17) 1,1-dichloroethene	2.901	61	539829	46.7142	ug/L	95
18) acetone	3.354	58	298180	209.9803	ug/L	87
19) acetonitrile	3.695	41	987077	459.4991	ug/L	98
20) iodomethane	3.023	142	298553	41.7669	ug/L	98
21) carbon disulfide	2.939	76	920092	46.8204	ug/L	99
22) methylene chloride	3.335	84	308329	45.4474	ug/L	95
23) methyl acetate	3.438	74	83958	43.0595	ug/L	99
24) methyl tert butyl ether	3.511	73	984450	41.8608	ug/L	97
25) trans-1,2-dichloroethene	3.450	96	327465	47.7051	ug/L	98
26) hexane	3.499	57	823639	45.0321	ug/L	99
27) di-isopropyl ether	3.762	45	1331564	44.0687	ug/L	100
28) ethyl tert-butyl ether	4.007	59	1170276	43.2600	ug/L	96
29) 2-butanone	4.592	72	296030	192.0896	ug/L	93
30) 1,1-dichloroethane	3.878	63	649240	46.2764	ug/L	100
31) chloroprene	3.859	53	665506	43.8418	ug/L	95
33) vinyl acetate	4.016	86	90720	48.0399	ug/L #	91
34) ethyl acetate	4.454	70	51836	40.4467	ug/L	99
35) 2,2-dichloropropane	4.309	77	480071	42.8891	ug/L	97
36) cis-1,2-dichloroethene	4.235	96	327965	45.2669	ug/L	96
37) propionitrile	4.794	54	1082556	453.4227	ug/L	99
38) methyl acrylate	4.473	85	77671	45.9097	ug/L	96
39) bromochloromethane	4.370	128	156160	49.2867	ug/L	83
40) tetrahydrofuran	4.515	71	70728	44.4288	ug/L	97
41) chloroform	4.402	83	560317	42.3976	ug/L	97
43) methacrylonitrile	4.807	67	203780	42.7907	ug/L	91

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\karoln\10. October\20102025\v2k694\
Data File : 2K25220.d
Acq On : 18 Oct 2025 2:25 am
Operator : EDWARDD
Sample : je20825-1msd Inst : GCMSK
Misc : MS98030,V2K694,5,,,,1
ALS Vial : 62 Sample Multiplier: 1

Quant Time: Oct 20 14:38:54 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 13:21:53 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 1,1,1-trichloroethane	4.556	97	493101	43.6304	ug/L		96
45) cyclohexane	4.383	84	548317	54.0285	ug/L		97
46) 1,1-dichloropropene	4.630	75	476814	48.2918	ug/L		98
47) carbon tetrachloride	4.515	117	452999	43.9990	ug/L		99
49) tert-amyl alcohol	4.936	55	165591	214.5541	ug/L		97
52) iso-octane	4.688	57	951153	33.5885	ug/L		89
53) benzene	4.794	78	1662761	58.7723	ug/L		95
54) tert-amyl methyl ether	4.839	73	1047364	43.5853	ug/L		99
55) heptane	4.740	57	189186	45.8558	ug/L		96
56) isopropyl acetate	5.029	87	104098	44.9577	ug/L	#	89
57) 1,2-dichloroethane	4.920	62	444283	39.0544	ug/L		97
58) n-butyl alcohol	5.312	56	1475963	2344.6579	ug/L		96
59) ethyl acrylate	5.470	55	696428	44.9760	ug/L		99
60) trichloroethene	5.164	130	360758	52.3109	ug/L		96
61) 2-nitropropane	6.302	41	164639	40.6054	ug/L		85
63) methyl methacrylate	5.611	100	124465	46.2934	ug/L		94
64) 1,2-dichloropropane	5.508	63	365412	46.3147	ug/L		99
65) methylcyclohexane	5.164	98	247797	49.2311	ug/L		93
66) dibromomethane	5.444	93	185153	42.2803	ug/L		93
67) bromodichloromethane	5.537	83	410450	43.4540	ug/L		97
68) epichlorohydrin	6.151	57	286889	163.8549	ug/L		96
69) cis-1,3-dichloropropene	5.984	75	526063	43.6567	ug/L		96
70) 4-methyl-2-pentanone	6.380	58	918281	178.5334	ug/L		97
71) 3-methyl-1-butanol	6.212	70	447815	914.6133	ug/L		96
74) toluene	6.154	92	856582	48.1188	ug/L		99
75) ethyl methacrylate	6.489	69	504004	45.2136	ug/L		98
76) trans-1,3-dichloropropene	6.418	75	499369	42.6048	ug/L		98
77) 1,1,2-trichloroethane	6.524	83	239706	44.3550	ug/L		100
78) tetrachloroethene	6.415	166	342184	50.1858	ug/L		97
79) 2-hexanone	6.900	58	1000112	179.3940	ug/L		95
80) 1,3-dichloropropane	6.704	76	518462	44.0902	ug/L		99
81) butyl acetate	6.826	56	358223	43.9841	ug/L		99
82) dibromochloromethane	6.646	129	322215	46.0196	ug/L		94
83) 1,2-dibromoethane	6.810	107	299147	45.4701	ug/L		97
84) n-butyl ether	7.010	57	1799610	48.2675	ug/L		100
85) chlorobenzene	7.116	112	901887	48.7080	ug/L	#	67
86) 1,1,1,2-tetrachloroethane	7.148	131	311841	47.3606	ug/L		98
87) ethylbenzene	7.116	91	7016465	206.0730	ug/L		89
88) m,p-xylene	7.199	106	1364772	109.3098	ug/L		95
89) o-xylene	7.450	106	1300737	107.1104	ug/L		98
90) styrene	7.476	104	969733	47.0141	ug/L		97
91) bromoform	7.508	173	237353	42.5807	ug/L		99
92) butyl acrylate	7.518	55	947837	45.4435	ug/L		99
93) isopropylbenzene	7.617	105	1714862	56.8048	ug/L		99
94) n-amyl acetate	7.656	70	304273	45.3080	ug/L		95
95) cis-1,4-dichloro-2-butene	7.810	88	64987	13.4770	ug/L		94
98) bromobenzene	7.852	156	354996	44.8199	ug/L		95
99) 1,1,2,2-tetrachloroethane	7.878	83	450002	43.9298	ug/L		98
100) trans-1,4-dichloro-2-b...	7.974	53	70439	15.0080	ug/L	#	24
101) 1,2,3-trichloropropane	7.961	110	144483	41.6534	ug/L		95
102) n-propylbenzene	7.846	91	1773081	48.7900	ug/L		97
103) 2-chlorotoluene	7.942	126	358170	48.1926	ug/L		96
104) 4-chlorotoluene	8.029	91	1042293	43.7791	ug/L		95
105) 1,3,5-trimethylbenzene	7.942	105	1295722	52.1903	ug/L		97
106) tert-butylbenzene	8.116	119	999981	46.9621	ug/L		94
107) 1,2,4-trimethylbenzene	8.148	105	1776427	72.0627	ug/L		100
108) sec-butylbenzene	8.206	105	1350549	48.0168	ug/L		99
109) 1,3-dichlorobenzene	8.338	146	671314	45.7734	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\karoln\10. October\20102025\v2k694\
Data File : 2K25220.d
Acq On : 18 Oct 2025 2:25 am
Operator : EDWARDD
Sample : je20825-1msd Inst : GCMSK
Misc : MS98030,V2K694,5,,,,1
ALS Vial : 62 Sample Multiplier: 1

Quant Time: Oct 20 14:38:54 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 13:21:53 2025
Response via : Initial Calibration

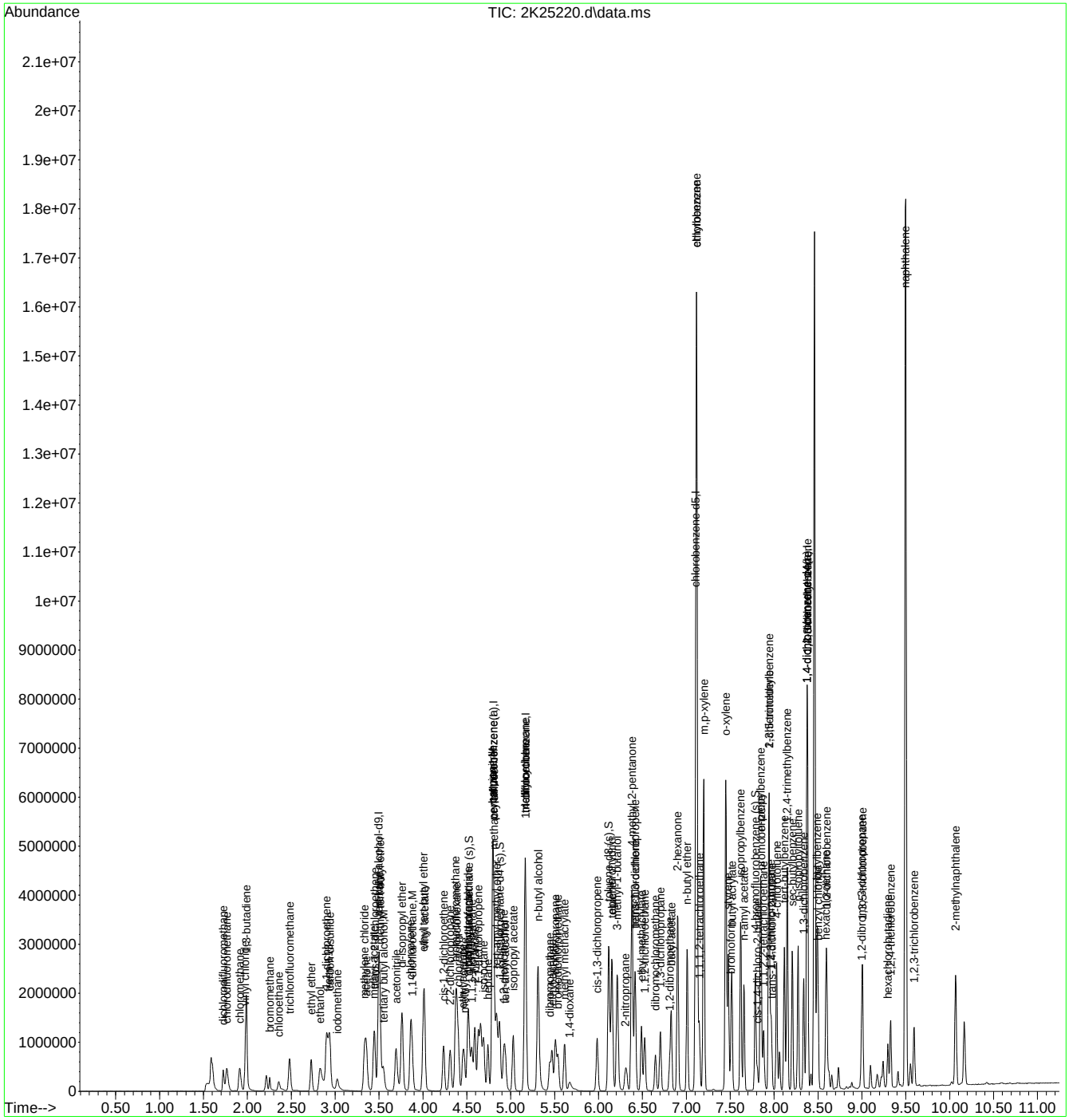
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110) p-isopropyltoluene	8.273	119	1187570	48.4422	ug/L	95
111) 1,4-dichlorobenzene	8.379	146	684369	46.8062	ug/L	98
112) 1,2-dichlorobenzene	8.598	146	638419	45.6883	ug/L	99
113) 1,2,3-trimethylbenzene	8.379	105	1445815	56.1964	ug/L	97
114) n-butylbenzene	8.489	92	581223	47.6218	ug/L	96
115) 1,2-dibromo-3-chloropr...	8.997	157	136933	42.9612	ug/L	93
116) 1,3,5-trichlorobenzene	9.006	180	360480	44.8729	ug/L	100
117) 1,2,4-trichlorobenzene	9.328	180	314919	44.6188	ug/L	96
118) hexachlorobutadiene	9.296	225	118422	45.5280	ug/L	95
119) naphthalene	9.495	128	10426679	415.3911	ug/L	98
120) 1,2,3-trichlorobenzene	9.595	180	293730	43.8673	ug/L	97
121) hexachloroethane	8.588	119	191235	43.0875	ug/L	98
122) benzyl chloride	8.502	126	201611	43.7323	ug/L	98
123) 2-methylnaphthalene	10.067	142	901571	73.0369	ug/L	97

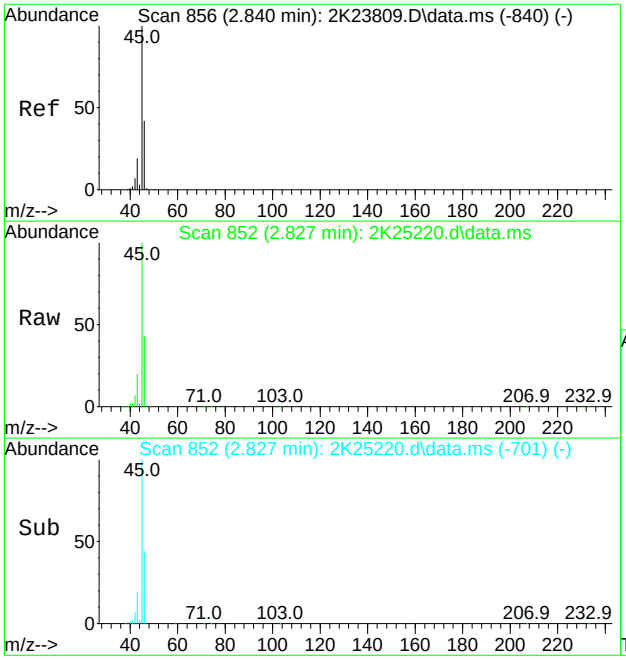
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\karoln\10. October\20102025\v2k694\
Data File : 2K25220.d
Acq On : 18 Oct 2025 2:25 am
Operator : EDWARDD
Sample : je20825-1msd Inst : GCMSK
Misc : MS98030,V2K694,5,,,,1
ALS Vial : 62 Sample Multiplier: 1

Quant Time: Oct 20 14:38:54 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 13:21:53 2025
Response via : Initial Calibration

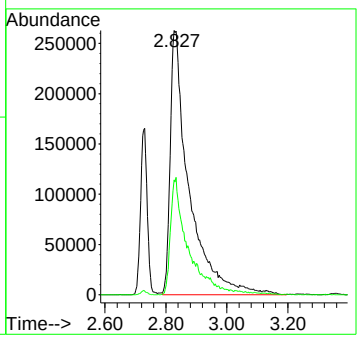


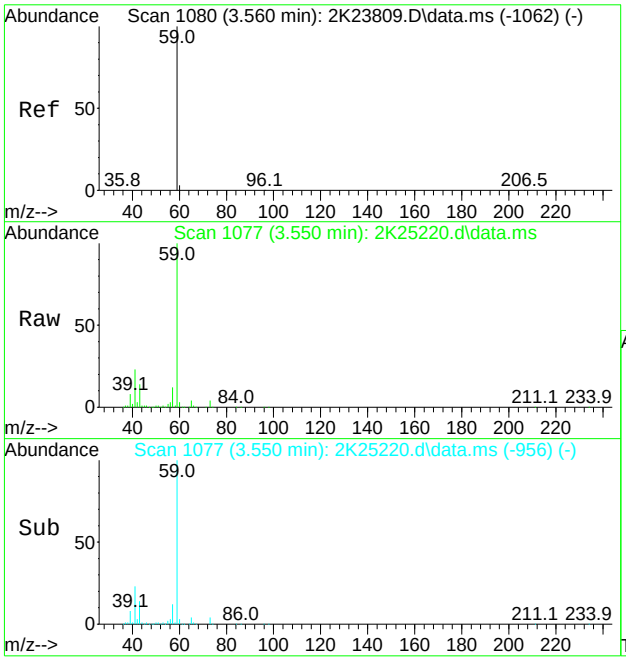


#2
ethanol
Concen: 4775.0289 ug/L
RT: 2.827 min Scan# 852
Delta R.T. -0.013 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion: 45 Resp: 1123539

Ion	Ratio	Lower	Upper
45	100		
46	43.4	21.3	61.3

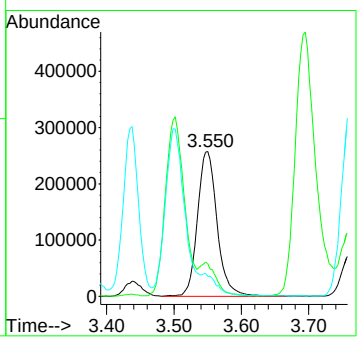


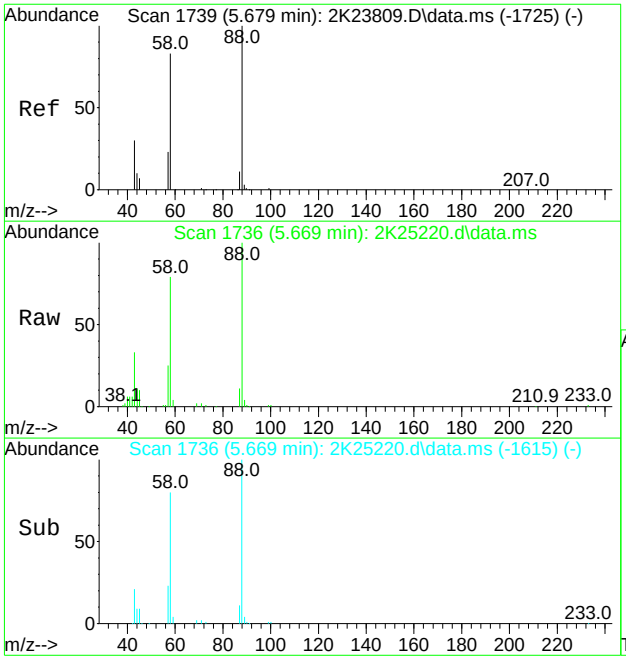


#3
tertiary butyl alcohol
Concen: 247.8896 ug/L
RT: 3.550 min Scan# 1077
Delta R.T. -0.010 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion: 59 Resp: 522586

Ion	Ratio	Lower	Upper
59	100		
41	10.2	0.0	30.0
43	13.4	0.0	45.5

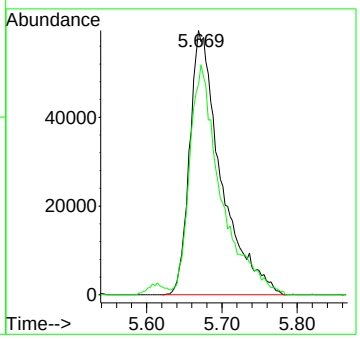


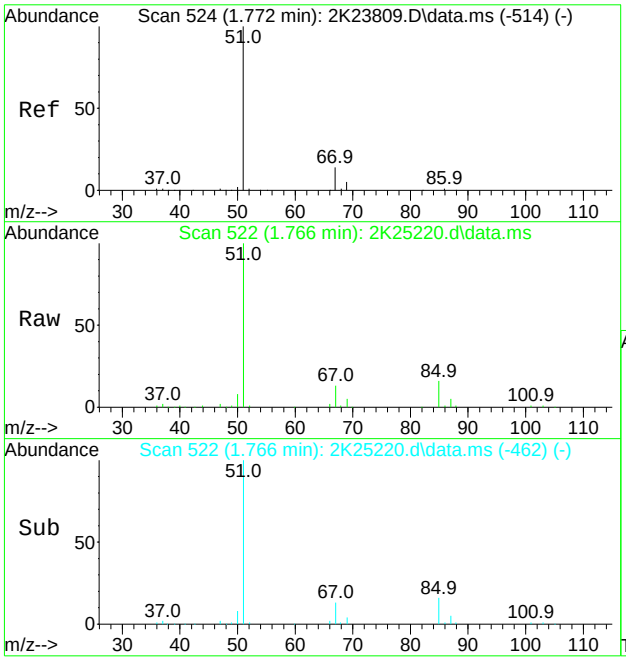


#4
1,4-dioxane
Concen: 1133.9744 ug/L
RT: 5.669 min Scan# 1736
Delta R.T. -0.010 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion: 88 Resp: 172204

Ion	Ratio	Lower	Upper
88	100		
58	79.5	64.5	104.5

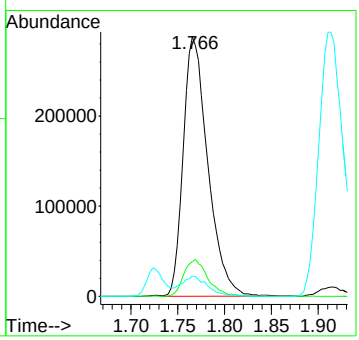


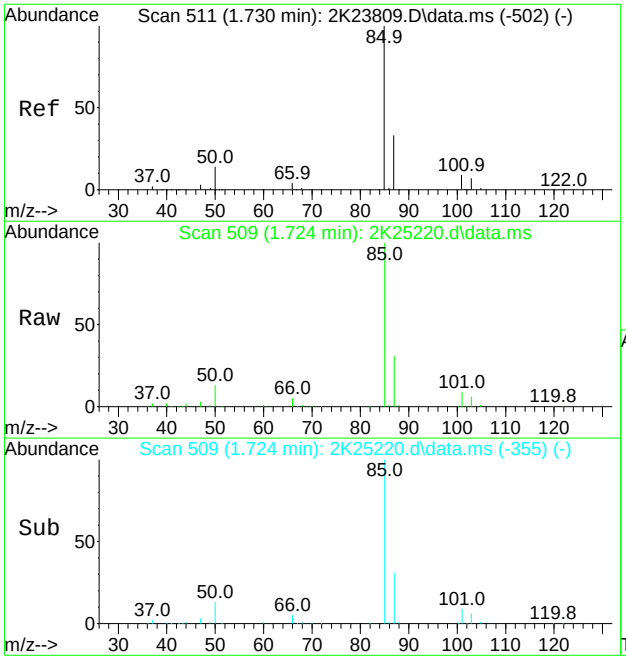


#6
chlorodifluoromethane
Concen: 41.3853 ug/L
RT: 1.766 min Scan# 522
Delta R.T. -0.006 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion: 51 Resp: 525876

Ion	Ratio	Lower	Upper
51	100		
67	13.4	0.0	44.0
50	7.9	0.0	37.4

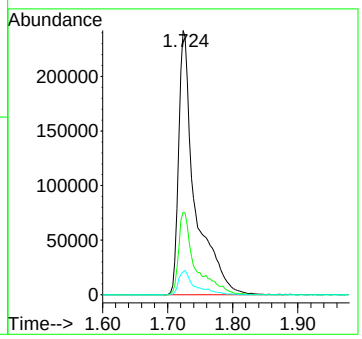


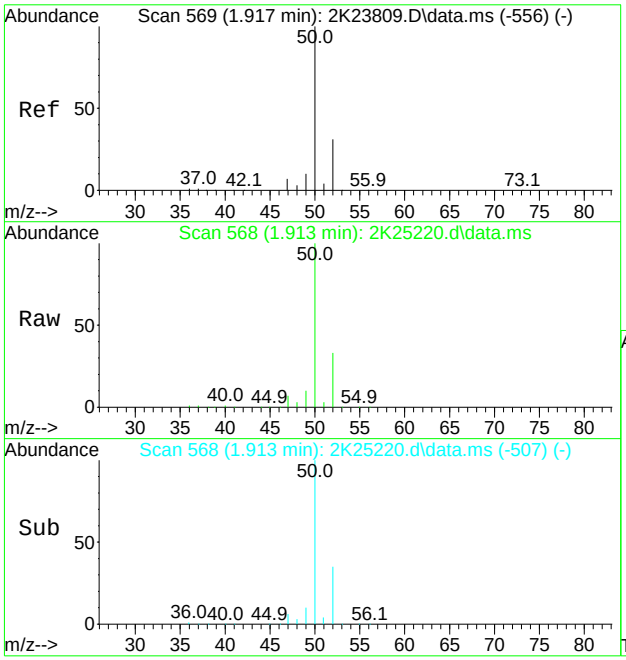


#7
dichlorodifluoromethane
Concen: 45.5895 ug/L
RT: 1.724 min Scan# 509
Delta R.T. -0.006 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion: 85 Resp: 423817

Ion	Ratio	Lower	Upper
85	100		
87	31.3	3.4	63.4
101	8.7	0.0	39.0

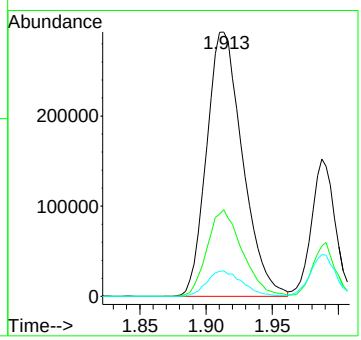


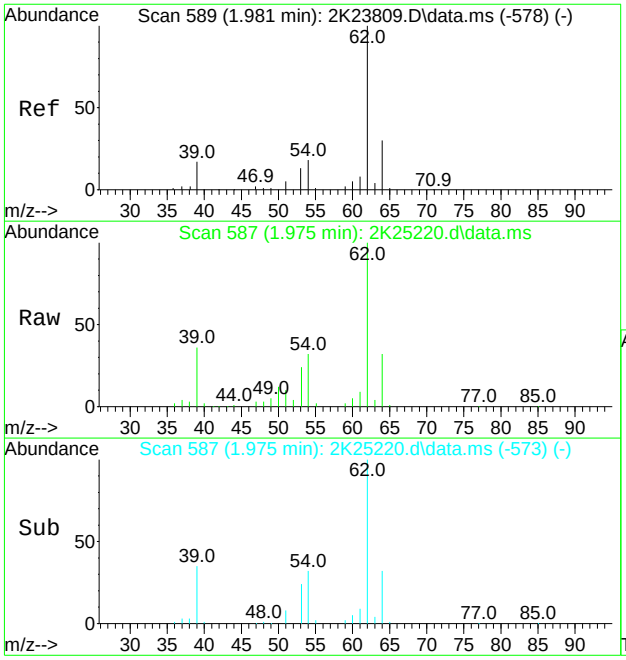


#8
chloromethane
Concen: 51.1616 ug/L
RT: 1.913 min Scan# 568
Delta R.T. -0.004 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion: 50 Resp: 553807

Ion	Ratio	Lower	Upper
50	100		
52	32.7	0.8	60.8
49	9.7	0.0	40.1

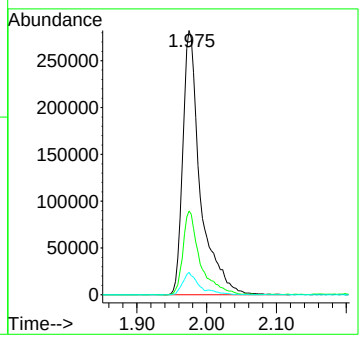


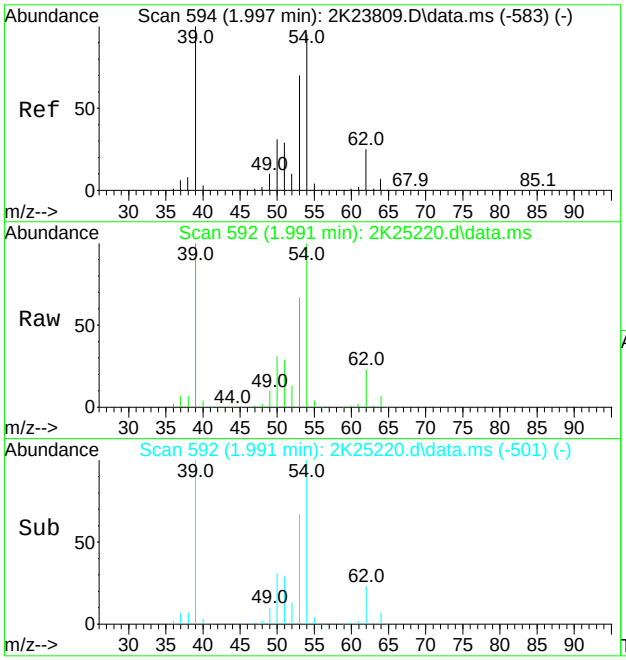


#9
vinyl chloride
Concen: 54.5451 ug/L
RT: 1.975 min Scan# 587
Delta R.T. -0.006 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion: 62 Resp: 491991

Ion	Ratio	Lower	Upper
62	100		
64	31.8	0.0	60.0
61	8.5	0.0	37.6

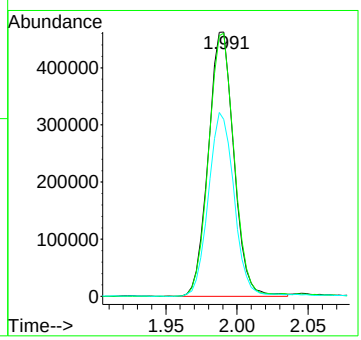


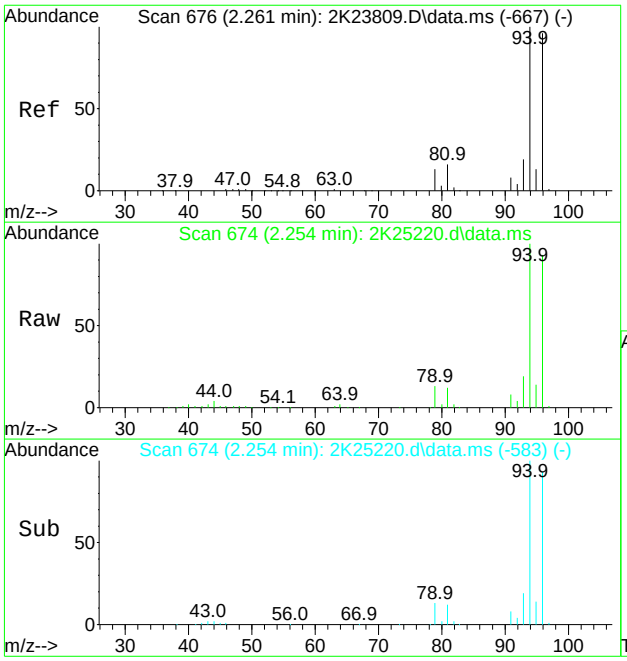


#10
1,3-butadiene
Concen: 64.4372 ug/L
RT: 1.991 min Scan# 592
Delta R.T. -0.006 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion: 39 Resp: 578254

Ion	Ratio	Lower	Upper
39	100		
54	99.5	65.4	125.4
53	66.9	40.3	100.3

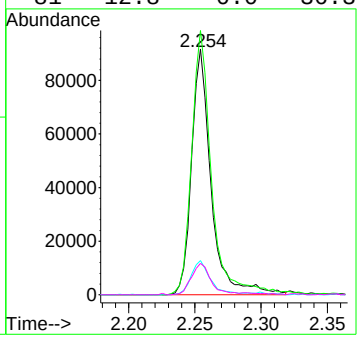


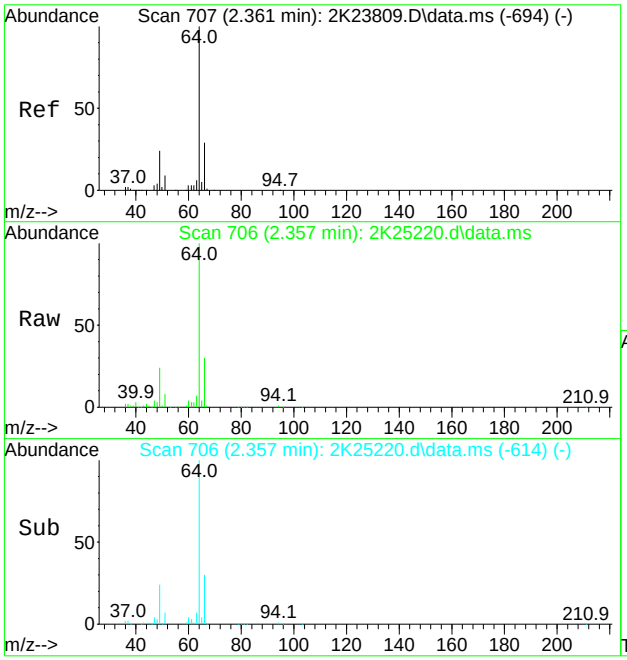


#11
bromomethane
Concen: 32.8067 ug/L
RT: 2.254 min Scan# 674
Delta R.T. -0.007 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion: 96 Resp: 94309

Ion	Ratio	Lower	Upper
96	100		
94	107.6	74.5	134.5
79	13.9	13.7	13.7#
81	12.8	0.0	36.3

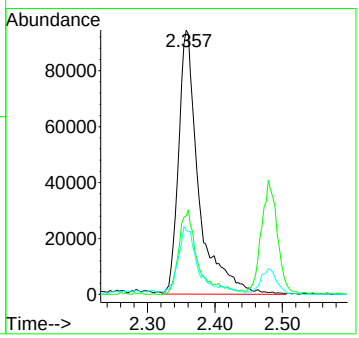


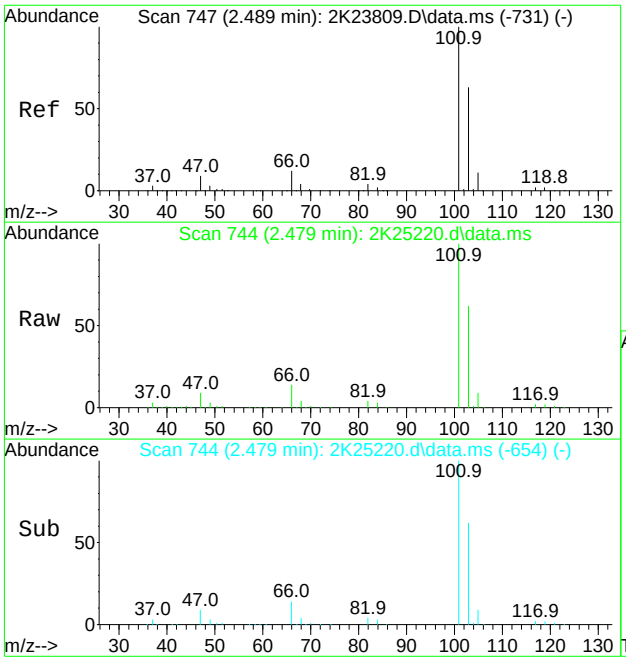


#12
chloroethane
Concen: 43.6820 ug/L
RT: 2.357 min Scan# 706
Delta R.T. -0.004 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion: 64 Resp: 197242

Ion	Ratio	Lower	Upper
64	100		
66	29.7	0.0	59.3
49	23.2	0.0	54.3

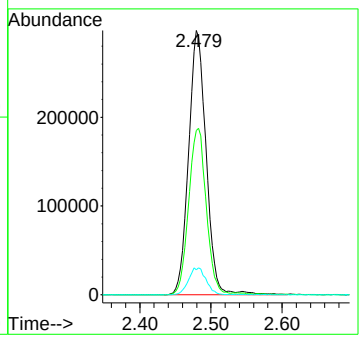


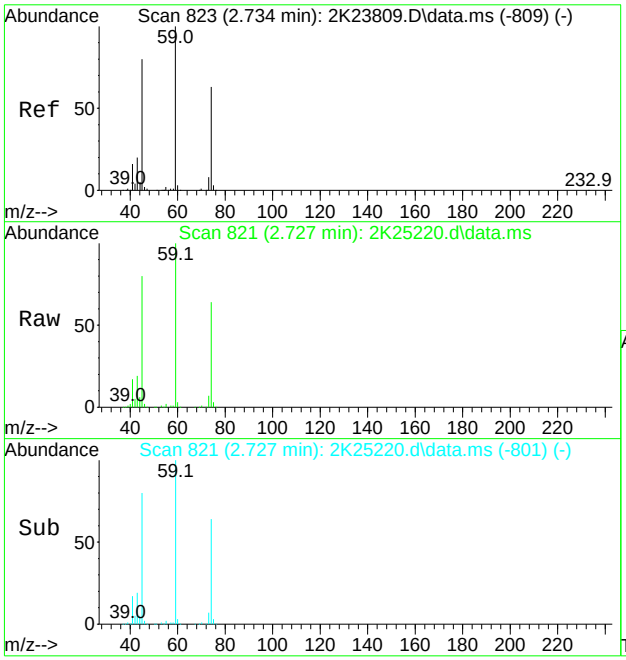


#13
trichlorofluoromethane
Concen: 41.5293 ug/L
RT: 2.479 min Scan# 744
Delta R.T. -0.010 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion:101 Resp: 511369

Ion	Ratio	Lower	Upper
101	100		
103	62.1	33.3	93.3
105	9.4	0.0	40.7

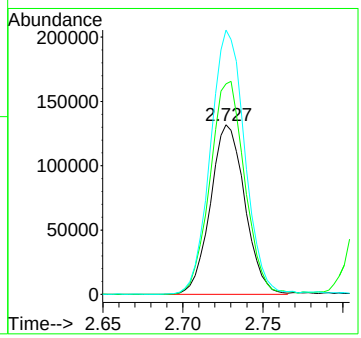


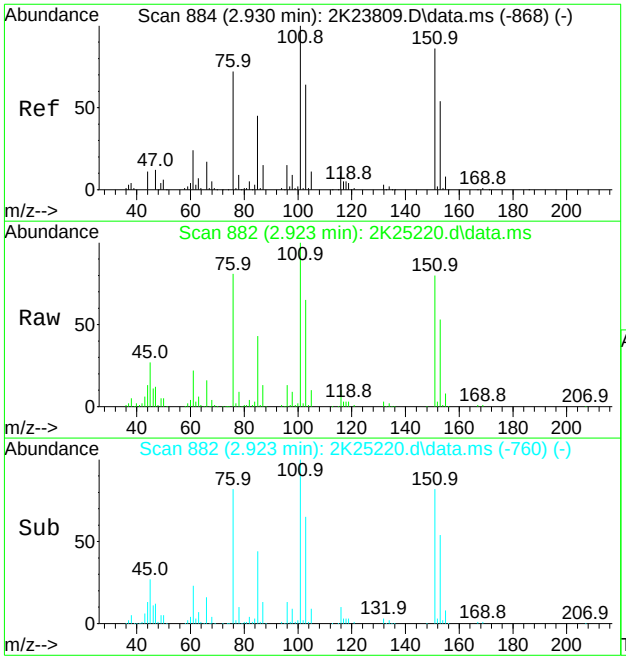


#14
ethyl ether
Concen: 44.3854 ug/L
RT: 2.727 min Scan# 821
Delta R.T. -0.007 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion: 74 Resp: 197143

Ion	Ratio	Lower	Upper
74	100		
45	124.2	96.7	156.7
59	155.8	128.9	188.9

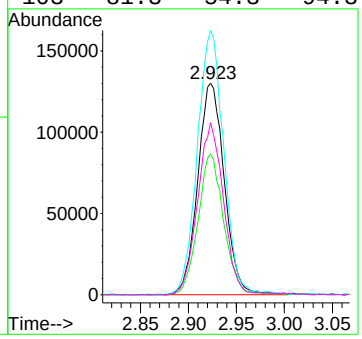


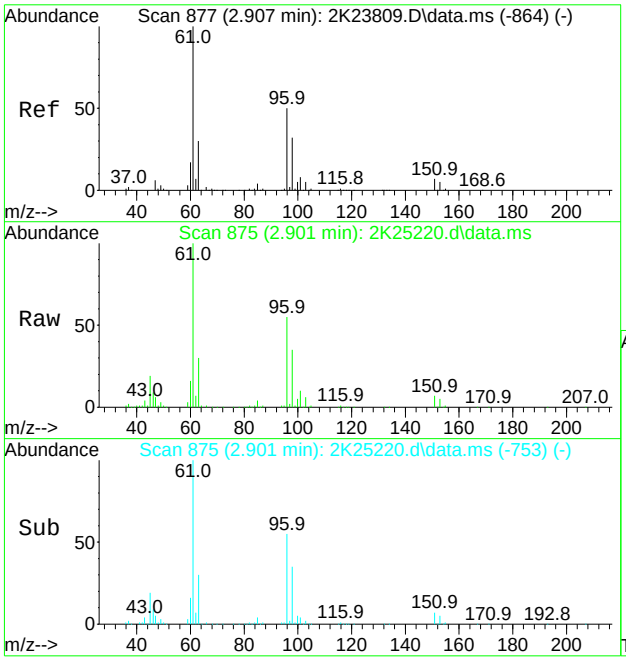


#16
freon 113
Concen: 45.7246 ug/L
RT: 2.923 min Scan# 882
Delta R.T. -0.007 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion:151 Resp: 251101

Ion	Ratio	Lower	Upper
151	100		
153	66.4	43.0	83.0
101	124.7	95.9	135.9
103	81.3	54.3	94.3

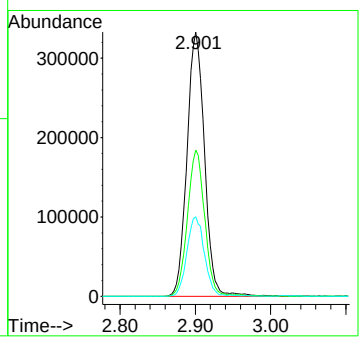


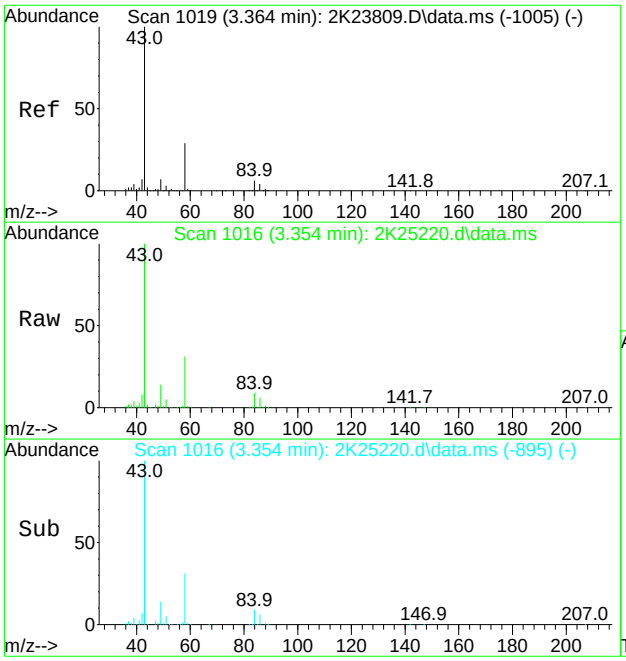


#17
1,1-dichloroethene
Concen: 46.7142 ug/L
RT: 2.901 min Scan# 875
Delta R.T. -0.006 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion: 61 Resp: 539829

Ion	Ratio	Lower	Upper
61	100		
96	55.4	19.8	79.8
63	30.1	0.4	60.4

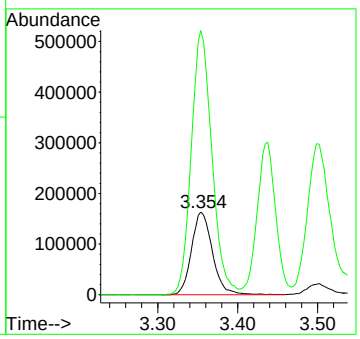


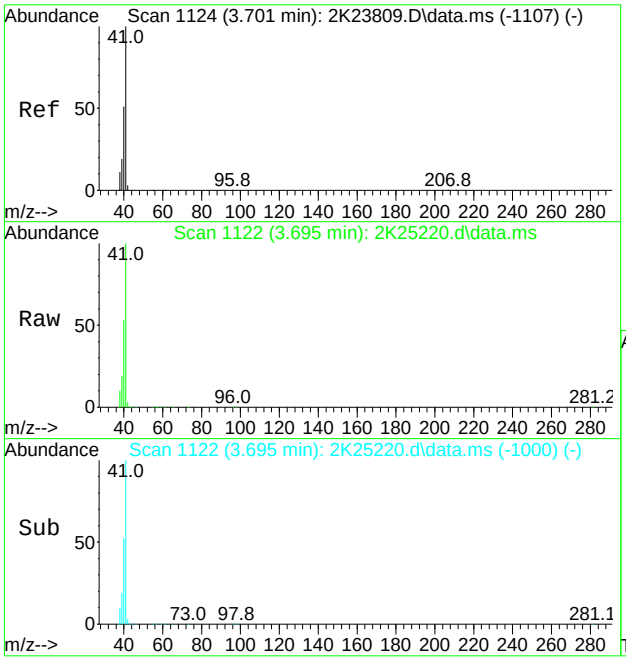


#18
acetone
Concen: 209.9803 ug/L
RT: 3.354 min Scan# 1016
Delta R.T. -0.010 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion: 58 Resp: 298180

Ion	Ratio	Lower	Upper
58	100		
43	320.1	317.9	377.9

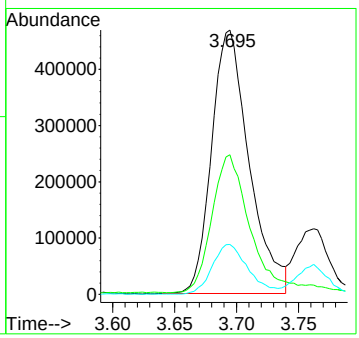


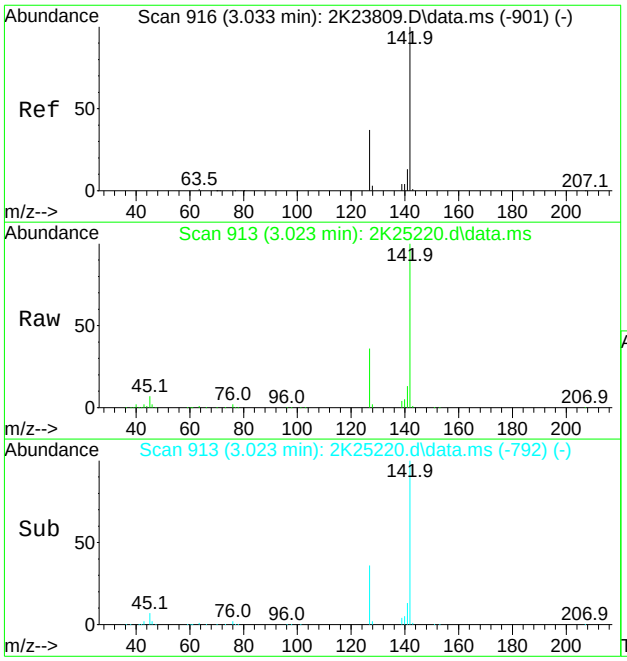


#19
acetonitrile
Concen: 459.4991 ug/L
RT: 3.695 min Scan# 1122
Delta R.T. -0.006 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion: 41 Resp: 987077

Ion	Ratio	Lower	Upper
41	100		
40	52.2	20.7	80.7
39	18.8	0.0	48.9

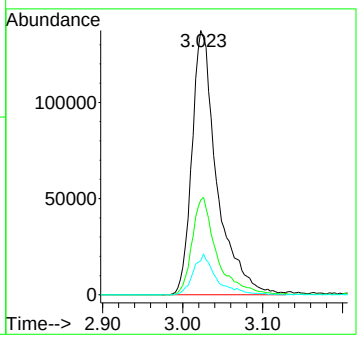


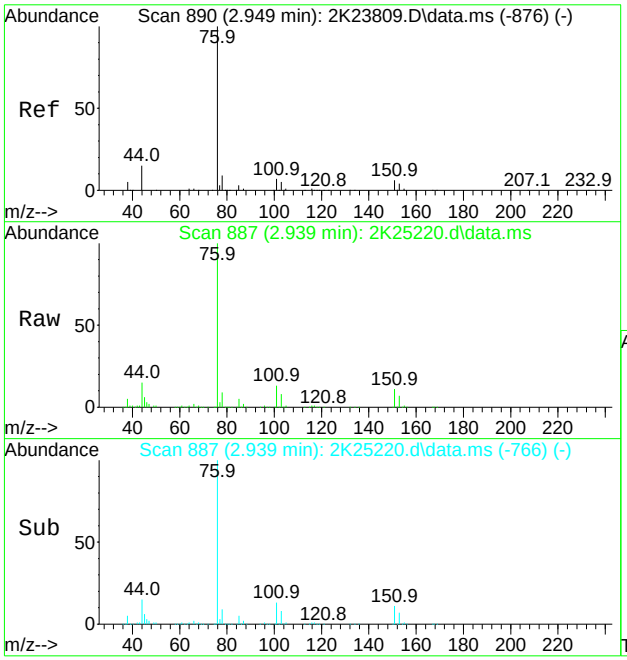


#20
iodomethane
Concen: 41.7669 ug/L
RT: 3.023 min Scan# 913
Delta R.T. -0.010 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion:142 Resp: 298553

Ion	Ratio	Lower	Upper
142	100		
127	35.8	7.2	67.2
141	12.9	0.0	43.3

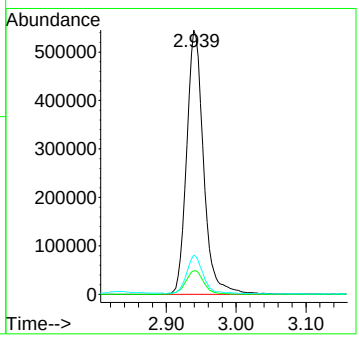


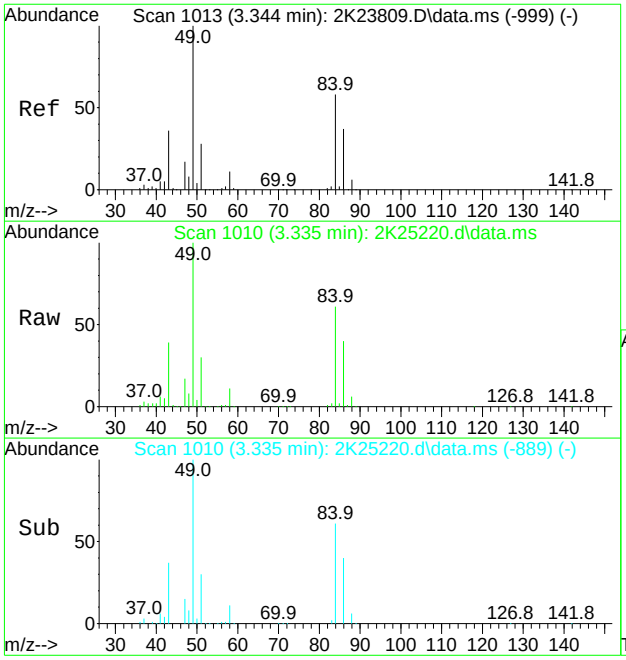


#21
carbon disulfide
Concen: 46.8204 ug/L
RT: 2.939 min Scan# 887
Delta R.T. -0.010 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion: 76 Resp: 920092

Ion	Ratio	Lower	Upper
76	100		
78	8.9	0.0	39.4
44	14.6	0.0	44.9

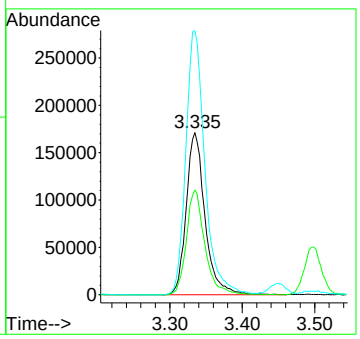


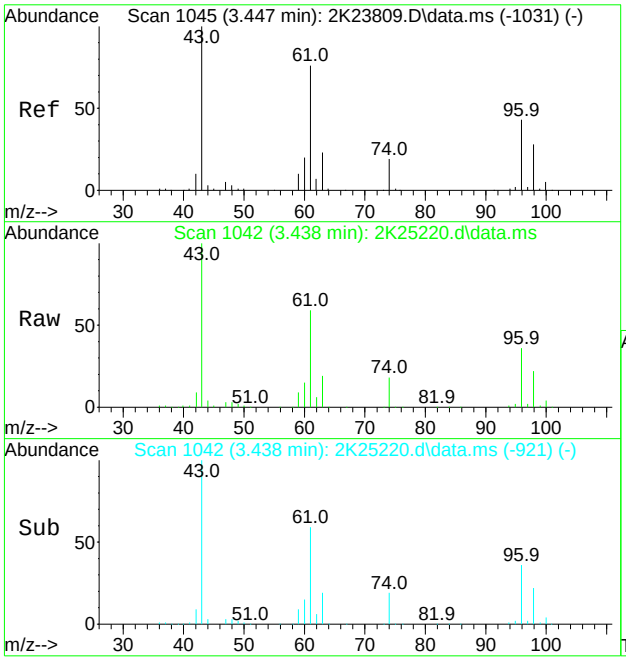


#22
methylene chloride
Concen: 45.4474 ug/L
RT: 3.335 min Scan# 1010
Delta R.T. -0.009 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion: 84 Resp: 308329

Ion	Ratio	Lower	Upper
84	100		
86	64.7	33.4	93.4
49	163.0	141.9	201.9

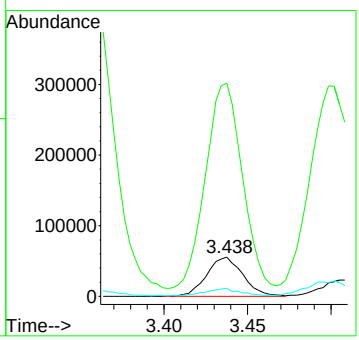


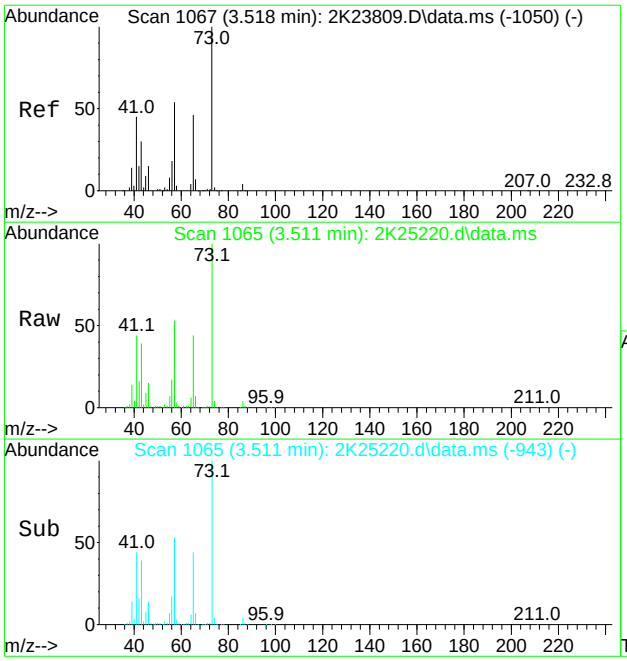


#23
methyl acetate
Concen: 43.0595 ug/L
RT: 3.438 min Scan# 1042
Delta R.T. -0.009 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion: 74 Resp: 83958

Ion	Ratio	Lower	Upper
74	100		
43	520.3	492.7	552.7
44	18.0	0.0	46.4

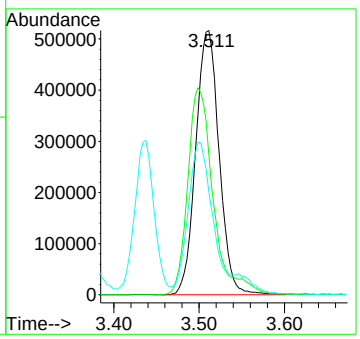


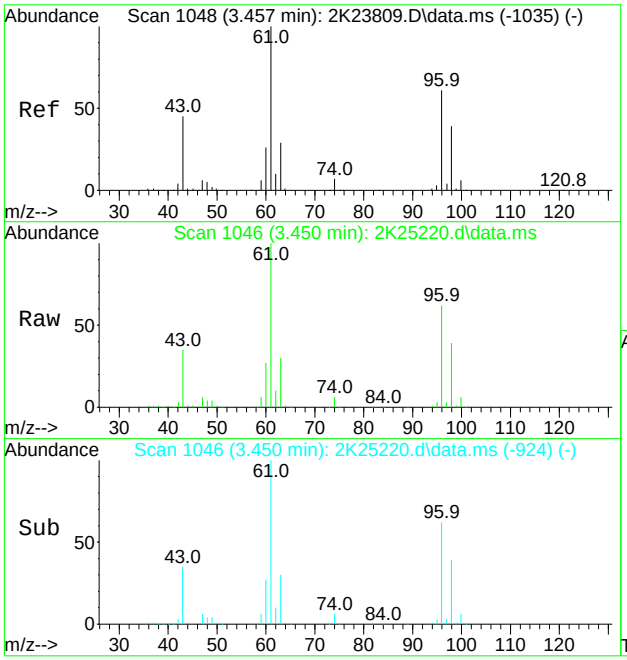


#24
methyl tert butyl ether
Concen: 41.8608 ug/L
RT: 3.511 min Scan# 1065
Delta R.T. -0.007 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion: 73 Resp: 984450

Ion	Ratio	Lower	Upper
73	100		
57	52.7	23.8	83.8
43	38.3	11.7	71.7

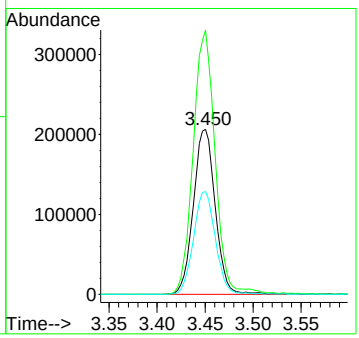


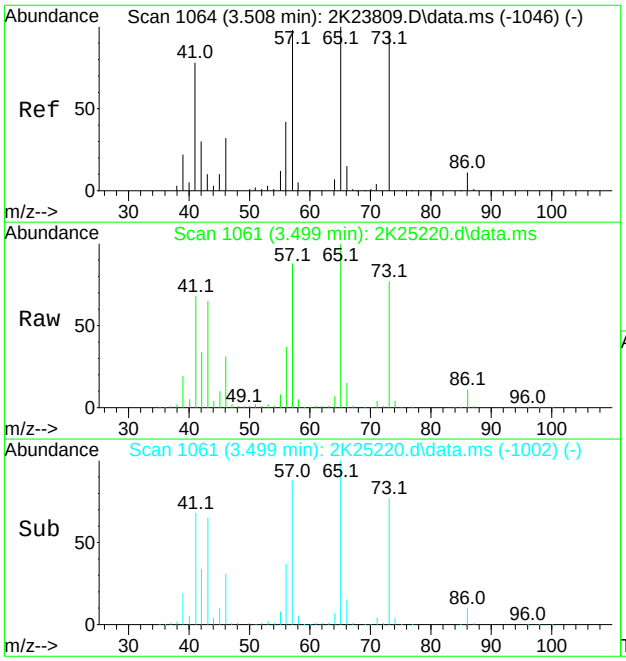


#25
trans-1,2-dichloroethene
Concen: 47.7051 ug/L
RT: 3.450 min Scan# 1046
Delta R.T. -0.007 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion: 96 Resp: 327465

Ion	Ratio	Lower	Upper
96	100		
61	160.2	132.8	192.8
98	62.4	34.2	94.2

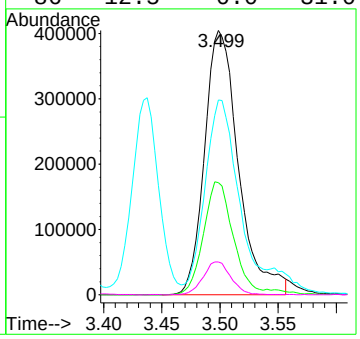


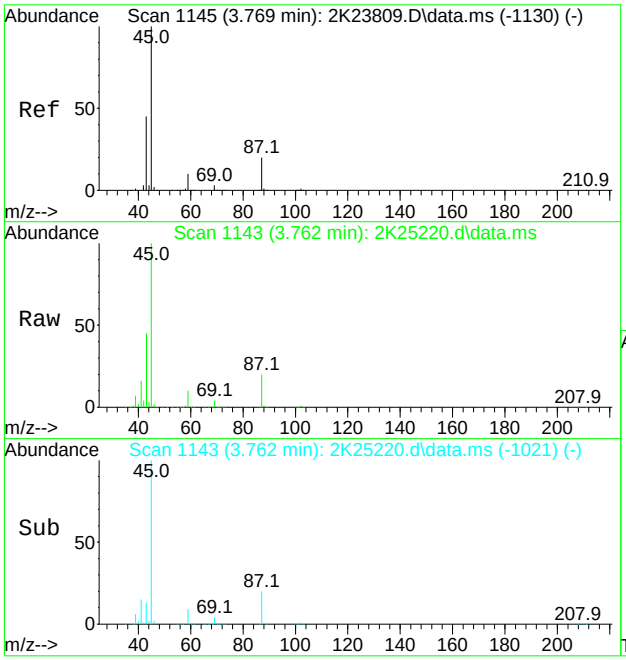


#26
hexane
Concen: 45.0321 ug/L
RT: 3.499 min Scan# 1061
Delta R.T. -0.009 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion: 57 Resp: 823639

Ion	Ratio	Lower	Upper
57	100		
56	42.4	22.5	62.5
43	65.8	45.1	85.1
86	12.5	0.0	31.0

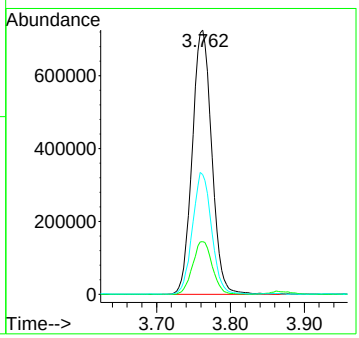


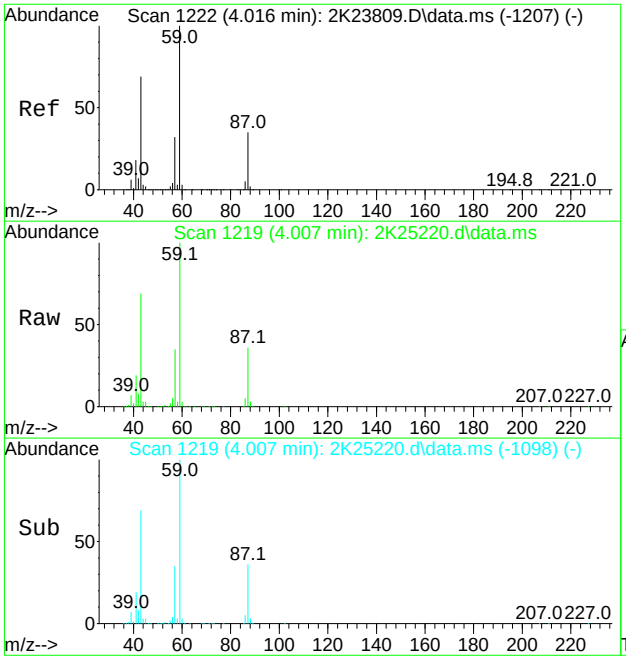


#27
di-isopropyl ether
Concen: 44.0687 ug/L
RT: 3.762 min Scan# 1143
Delta R.T. -0.007 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion: 45 Resp: 1331564

Ion	Ratio	Lower	Upper
45	100		
87	19.9	0.0	49.8
43	45.1	15.4	75.4

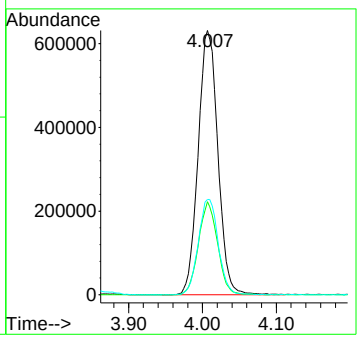


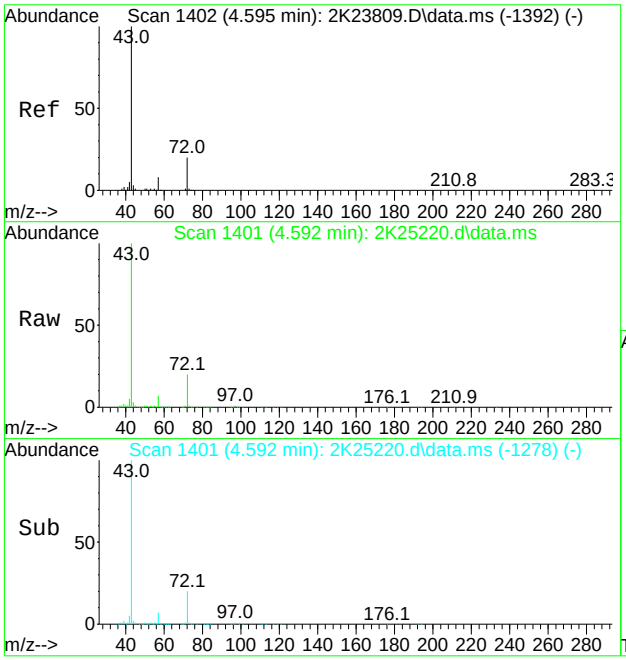


#28
ethyl tert-butyl ether
Concen: 43.2600 ug/L
RT: 4.007 min Scan# 1219
Delta R.T. -0.009 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion: 59 Resp: 1170276

Ion	Ratio	Lower	Upper
59	100		
57	35.1	1.6	61.6
87	36.0	5.2	65.2

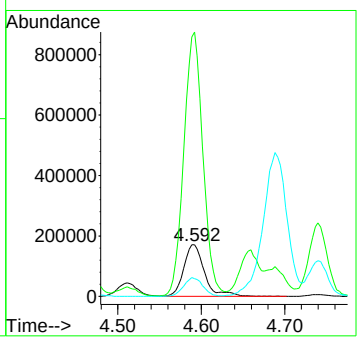


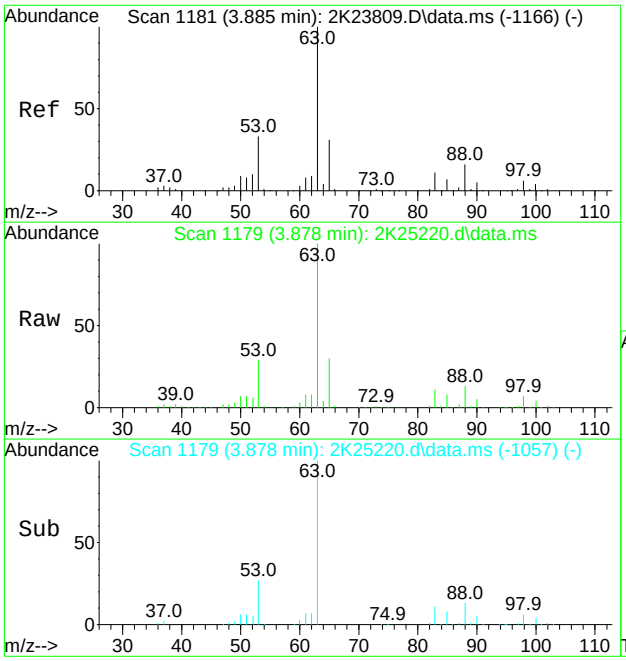


#29
2-butanone
Concen: 192.0896 ug/L
RT: 4.592 min Scan# 1401
Delta R.T. -0.003 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion: 72 Resp: 296030

Ion	Ratio	Lower	Upper
72	100		
43	511.2	461.8	521.8
57	34.4	7.0	67.0

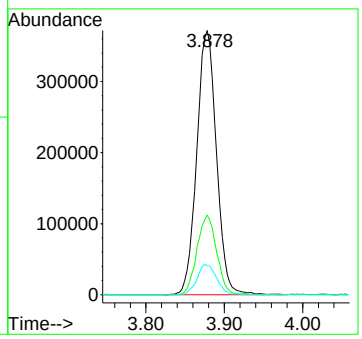


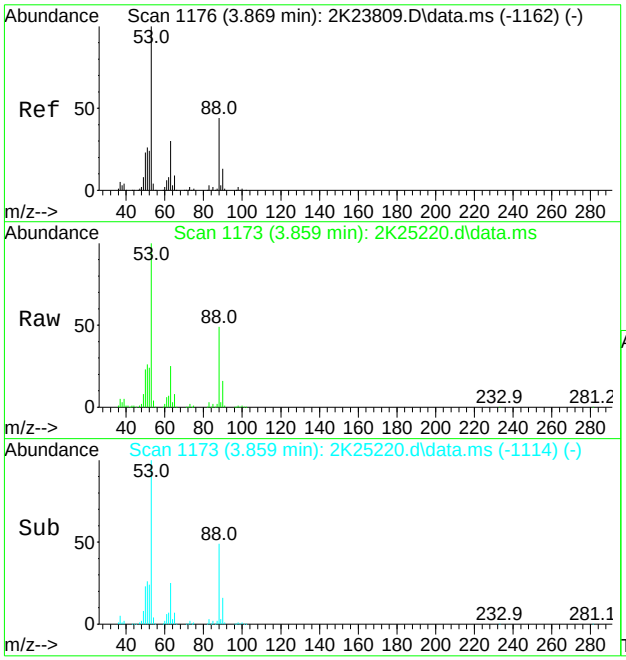


#30
1,1-dichloroethane
Concen: 46.2764 ug/L
RT: 3.878 min Scan# 1179
Delta R.T. -0.007 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion: 63 Resp: 649240

Ion	Ratio	Lower	Upper
63	100		
65	30.2	0.5	60.5
83	11.1	0.0	41.0

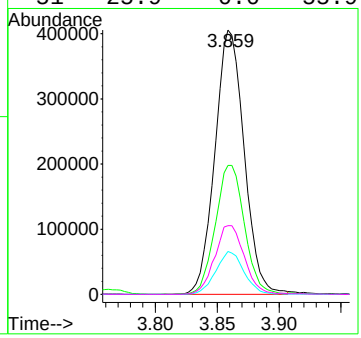


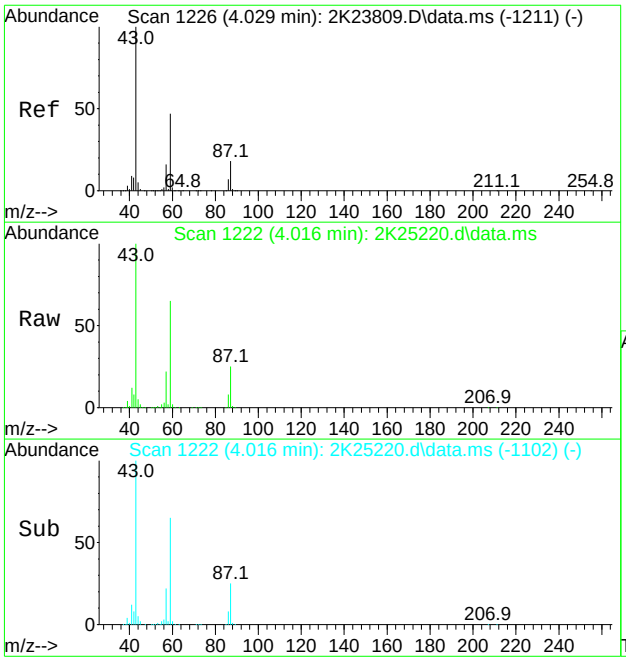


#31
chloroprene
Concen: 43.8418 ug/L
RT: 3.859 min Scan# 1173
Delta R.T. -0.010 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion: 53 Resp: 665506

Ion	Ratio	Lower	Upper
53	100		
88	48.7	14.2	74.2
90	16.3	0.0	42.9
51	25.9	0.0	55.9

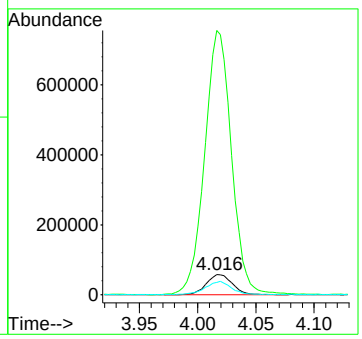


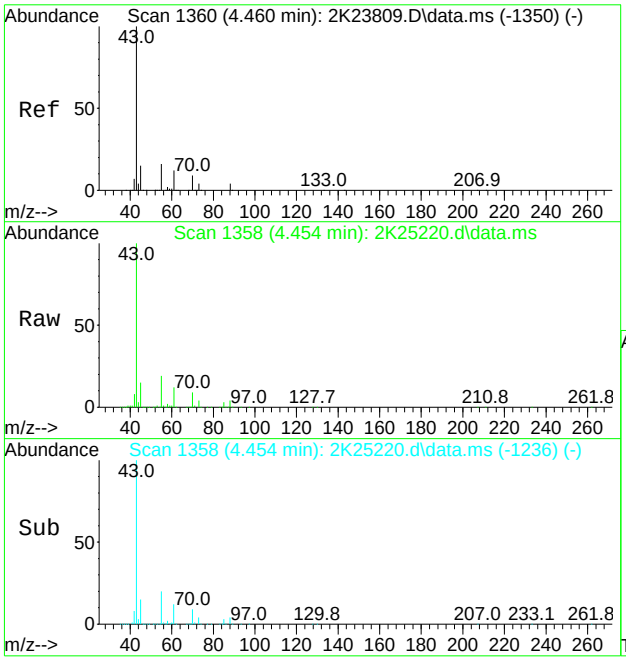


#33
vinyl acetate
Concen: 48.0399 ug/L
RT: 4.016 min Scan# 1222
Delta R.T. -0.013 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion: 86 Resp: 90720

Ion	Ratio	Lower	Upper
86	100		
43	1302.6	1321.8	1381.8#
44	60.1	32.5	92.5

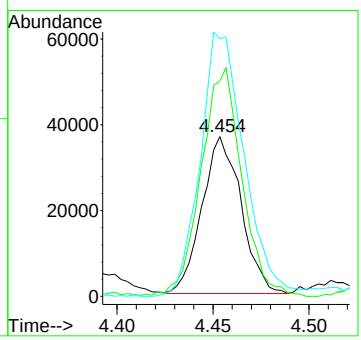


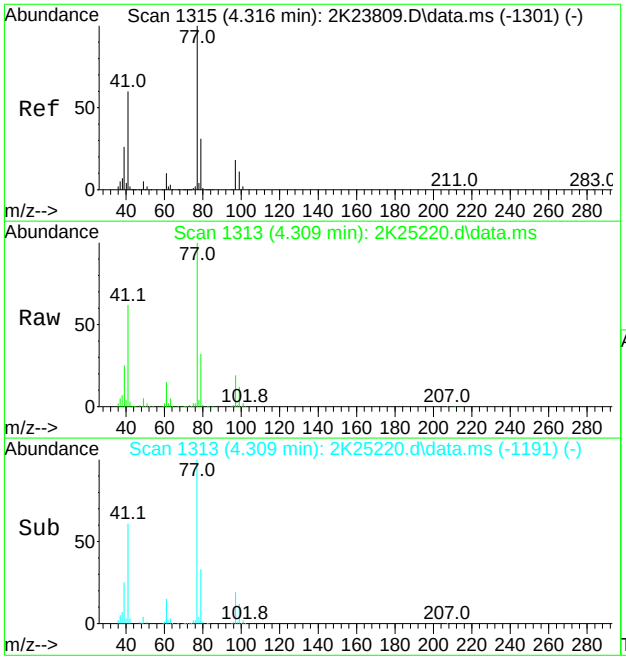


#34
ethyl acetate
Concen: 40.4467 ug/L
RT: 4.454 min Scan# 1358
Delta R.T. -0.006 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion: 70 Resp: 51836

Ion	Ratio	Lower	Upper
70	100		
61	135.1	105.6	165.6
45	162.7	135.3	195.3

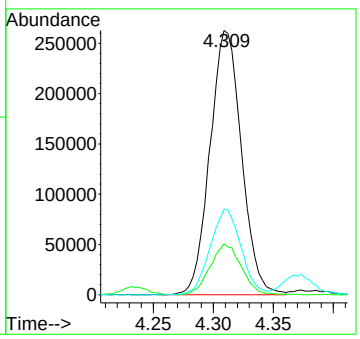


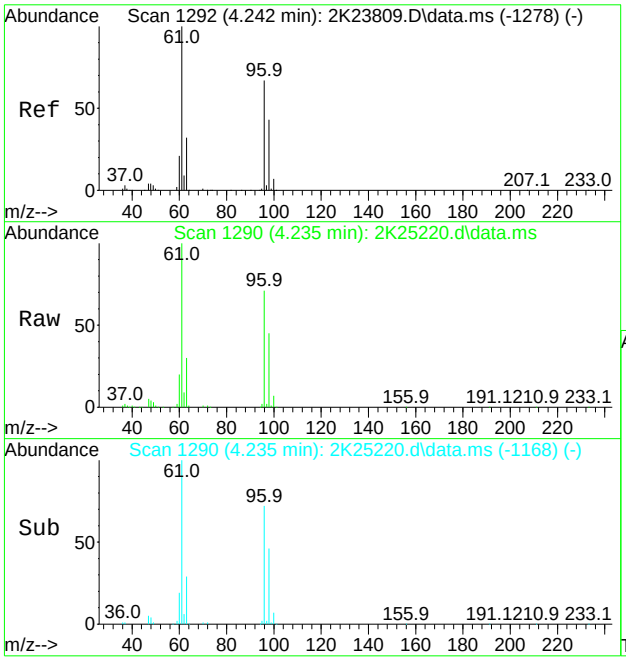


#35
2,2-dichloropropane
Concen: 42.8891 ug/L
RT: 4.309 min Scan# 1313
Delta R.T. -0.007 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion: 77 Resp: 480071

Ion	Ratio	Lower	Upper
77	100		
97	19.2	0.0	47.7
79	32.5	0.6	60.6

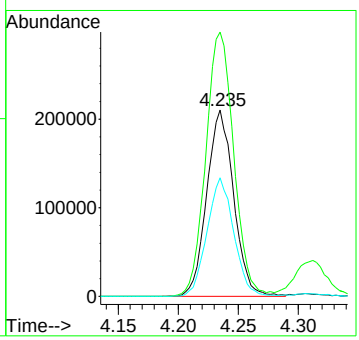


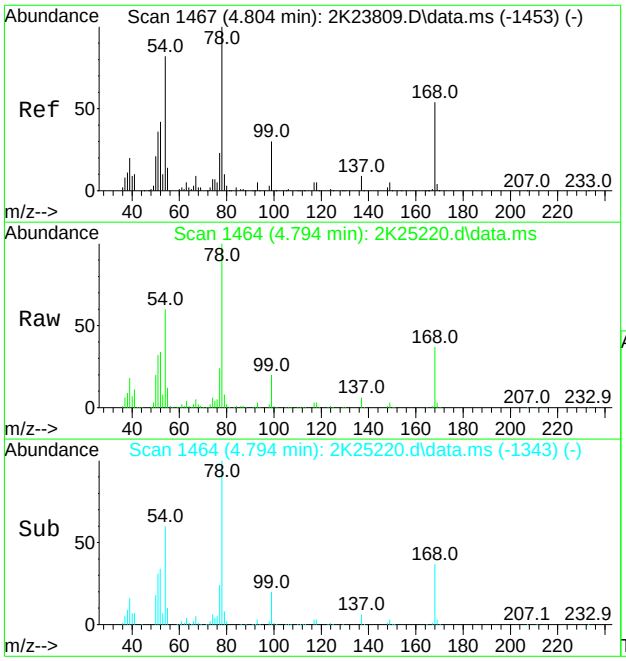


#36
cis-1,2-dichloroethene
Concen: 45.2669 ug/L
RT: 4.235 min Scan# 1290
Delta R.T. -0.007 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion: 96 Resp: 327965

Ion	Ratio	Lower	Upper
96	100		
61	141.8	118.2	178.2
98	63.6	34.3	94.3

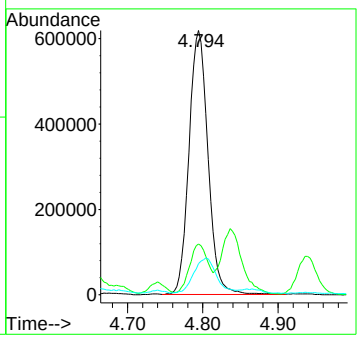


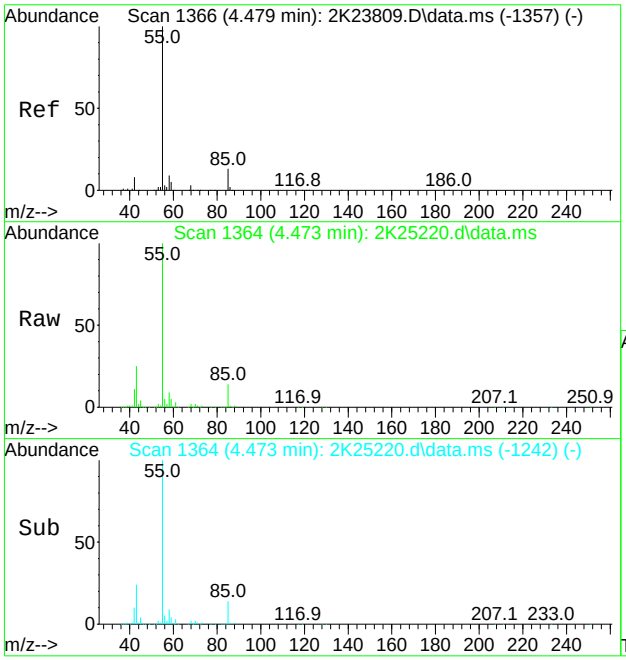


#37
propionitrile
Concen: 453.4227 ug/L
RT: 4.794 min Scan# 1464
Delta R.T. -0.010 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion: 54 Resp: 1082556

Ion	Ratio	Lower	Upper
54	100		
55	18.5	0.0	48.6
40	11.3	0.0	41.7

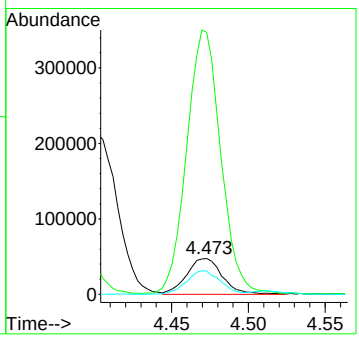


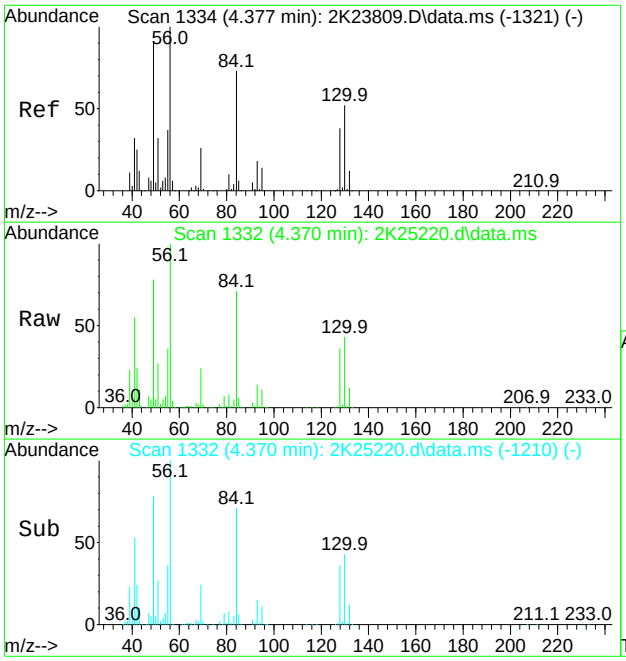


#38
methyl acrylate
Concen: 45.9097 ug/L
RT: 4.473 min Scan# 1364
Delta R.T. -0.006 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion: 85 Resp: 77671

Ion	Ratio	Lower	Upper
85	100		
55	733.4	726.6	766.6
58	63.8	49.4	89.4

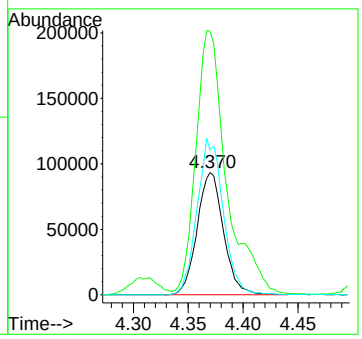


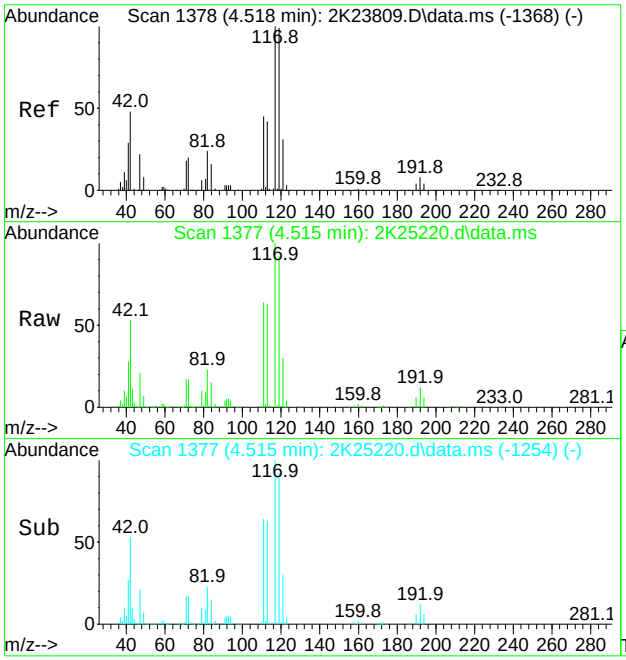


#39
bromochloromethane
Concen: 49.2867 ug/L
RT: 4.370 min Scan# 1332
Delta R.T. -0.007 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion:128 Resp: 156160

Ion	Ratio	Lower	Upper
128	100		
49	214.5	213.9	273.9
130	118.8	107.4	167.4

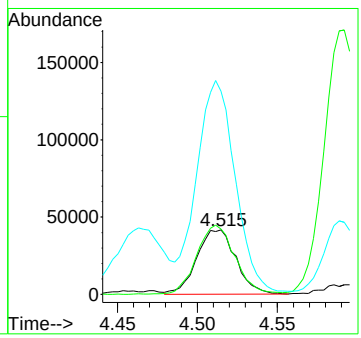


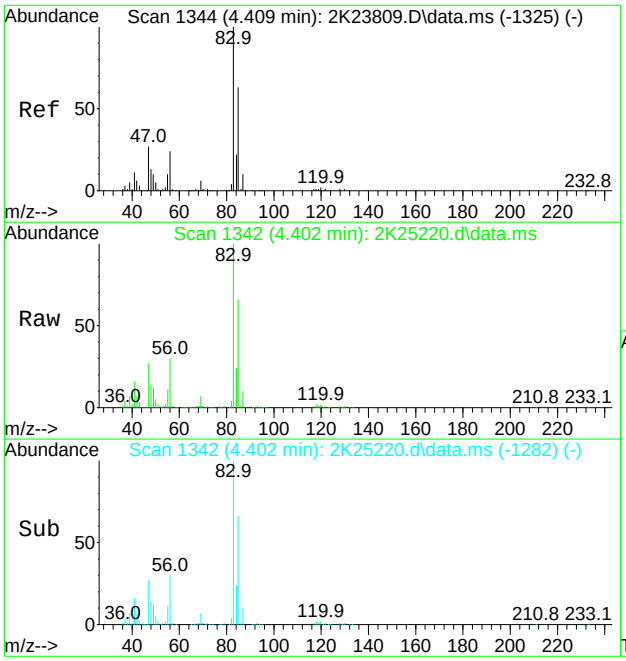


#40
tetrahydrofuran
Concen: 44.4288 ug/L
RT: 4.515 min Scan# 1377
Delta R.T. -0.003 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion: 71 Resp: 70728

Ion	Ratio	Lower	Upper
71	100		
72	100.8	75.2	135.2
42	312.6	288.0	348.0

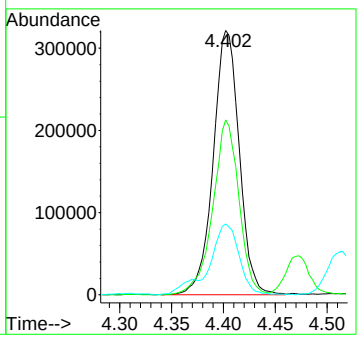


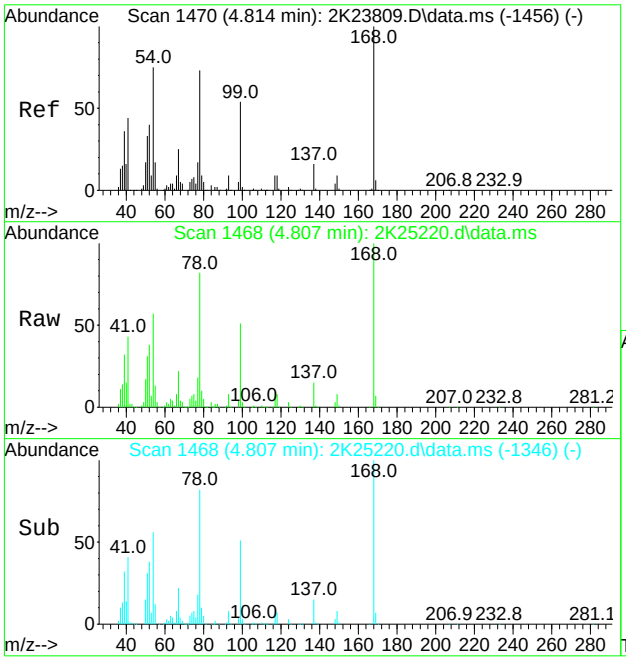


#41
chloroform
Concen: 42.3976 ug/L
RT: 4.402 min Scan# 1342
Delta R.T. -0.007 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion: 83 Resp: 560317

Ion	Ratio	Lower	Upper
83	100		
85	66.1	33.0	93.0
47	26.7	0.0	56.9

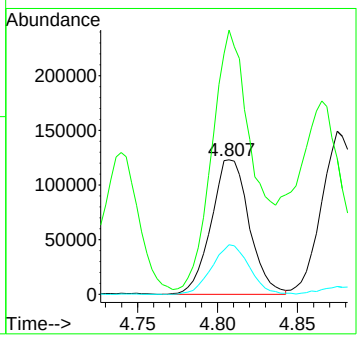


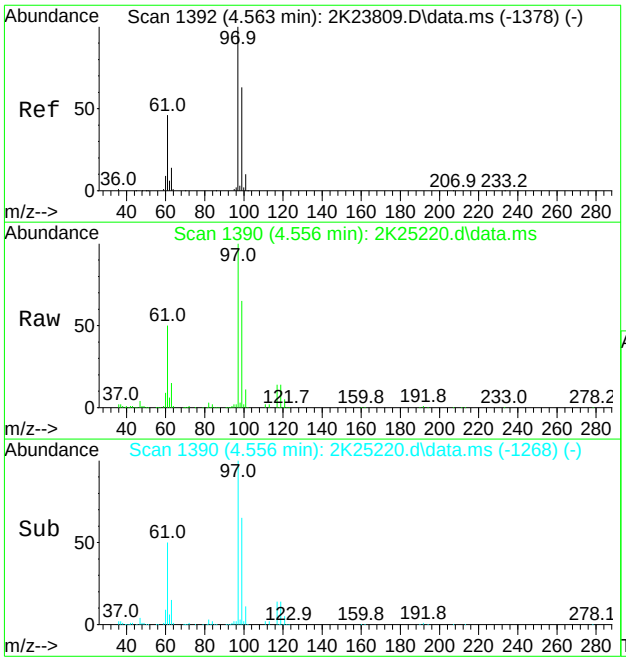


#43
methacrylonitrile
Concen: 42.7907 ug/L
RT: 4.807 min Scan# 1468
Delta R.T. -0.007 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion: 67 Resp: 203780

Ion	Ratio	Lower	Upper
67	100		
41	189.3	145.5	205.5
66	36.8	4.7	64.7

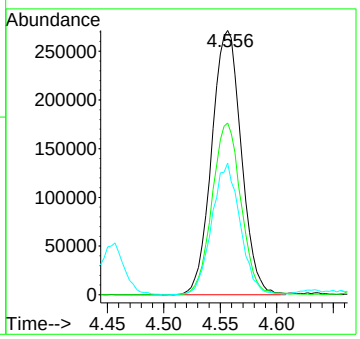


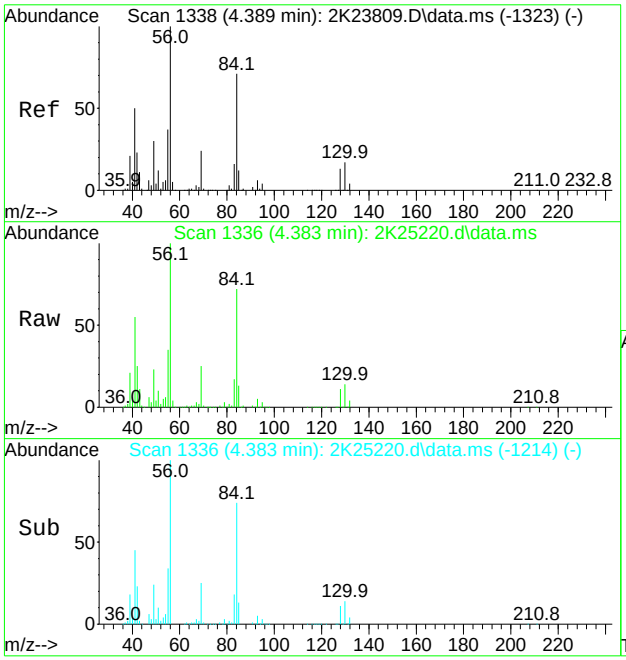


#44
1,1,1-trichloroethane
Concen: 43.6304 ug/L
RT: 4.556 min Scan# 1390
Delta R.T. -0.007 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion: 97 Resp: 493101

Ion	Ratio	Lower	Upper
97	100		
99	65.0	32.8	92.8
61	49.9	16.5	76.5

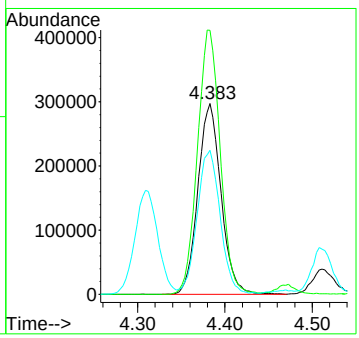


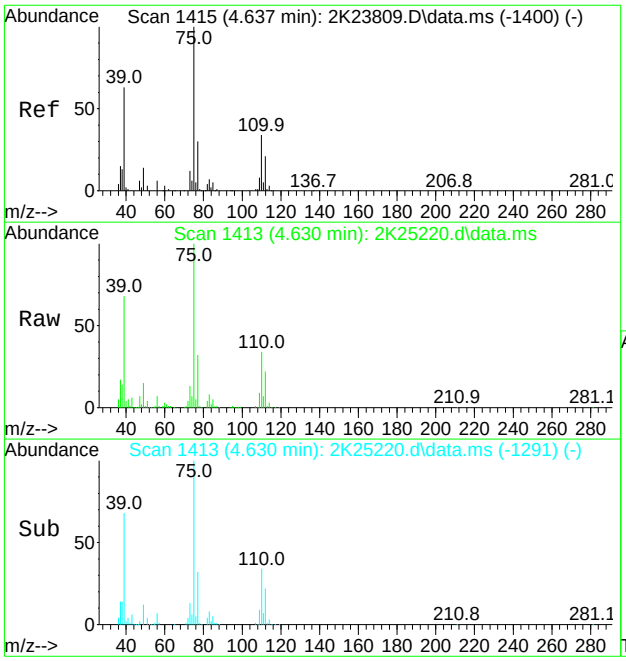


#45
cyclohexane
Concen: 54.0285 ug/L
RT: 4.383 min Scan# 1336
Delta R.T. -0.006 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion: 84 Resp: 548317

Ion	Ratio	Lower	Upper
84	100		
56	138.3	120.0	160.0
41	73.2	58.4	98.4

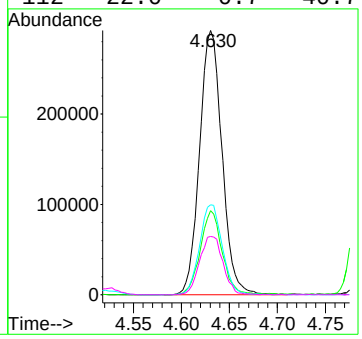


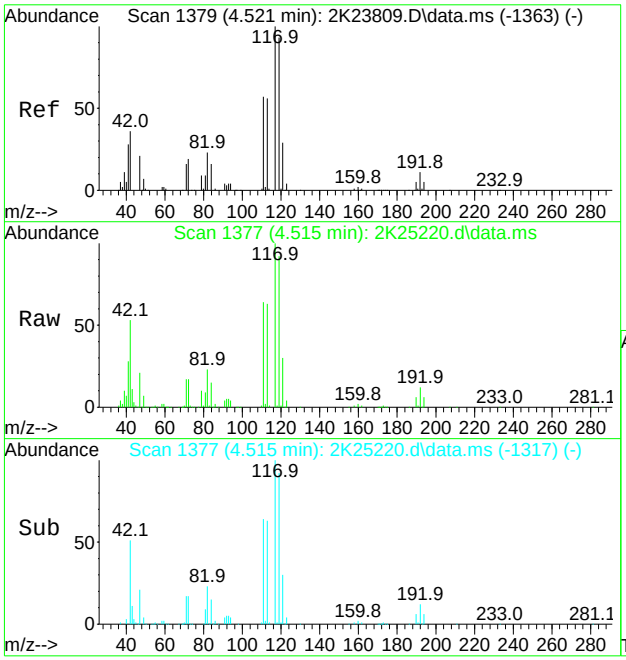


#46
1,1-dichloropropene
Concen: 48.2918 ug/L
RT: 4.630 min Scan# 1413
Delta R.T. -0.007 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion: 75 Resp: 476814

Ion	Ratio	Lower	Upper
75	100		
77	31.8	10.5	50.5
110	34.1	14.4	54.4
112	22.0	0.7	40.7

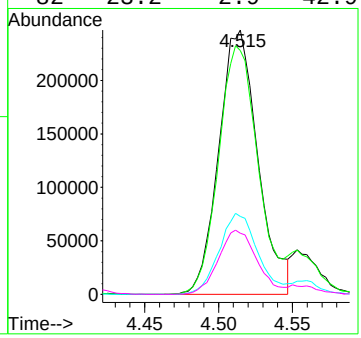


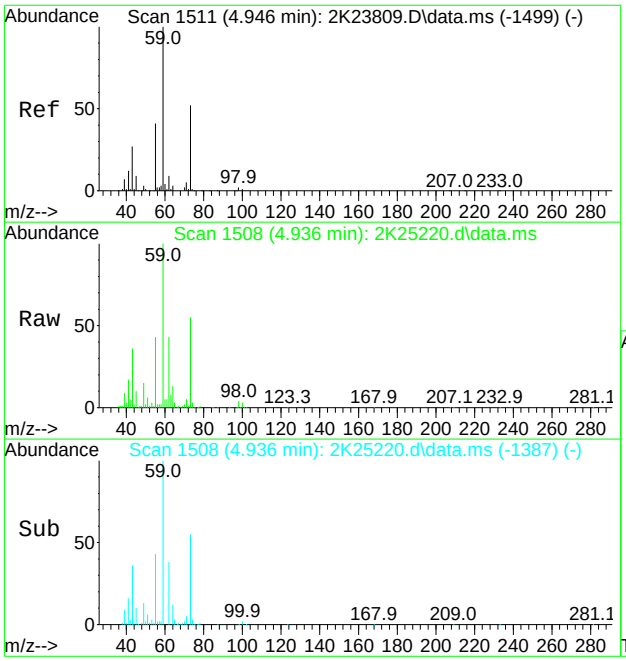


#47
carbon tetrachloride
Concen: 43.9990 ug/L
RT: 4.515 min Scan# 1377
Delta R.T. -0.006 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion:117 Resp: 452999

Ion	Ratio	Lower	Upper
117	100		
119	92.2	72.9	112.9
121	29.5	9.2	49.2
82	23.2	2.9	42.9

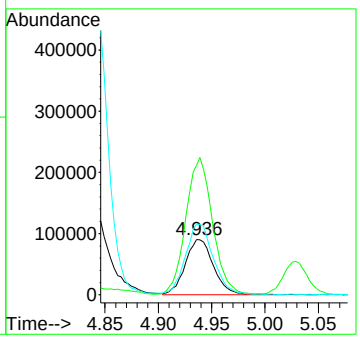


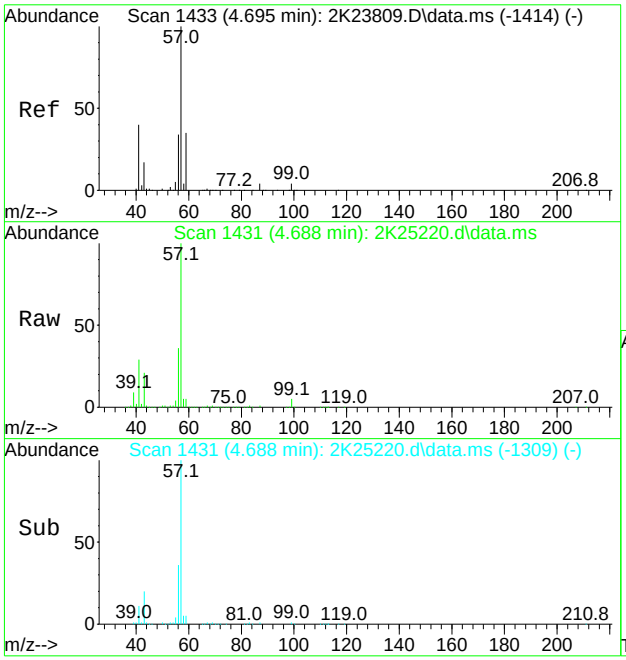


#49
tert-amyl alcohol
Concen: 214.5541 ug/L
RT: 4.936 min Scan# 1508
Delta R.T. -0.010 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion: 55 Resp: 165591

Ion	Ratio	Lower	Upper
55	100		
59	232.4	218.4	258.4
73	128.0	106.6	146.6

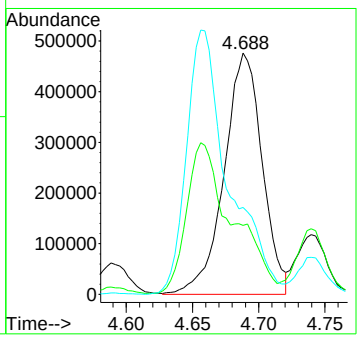


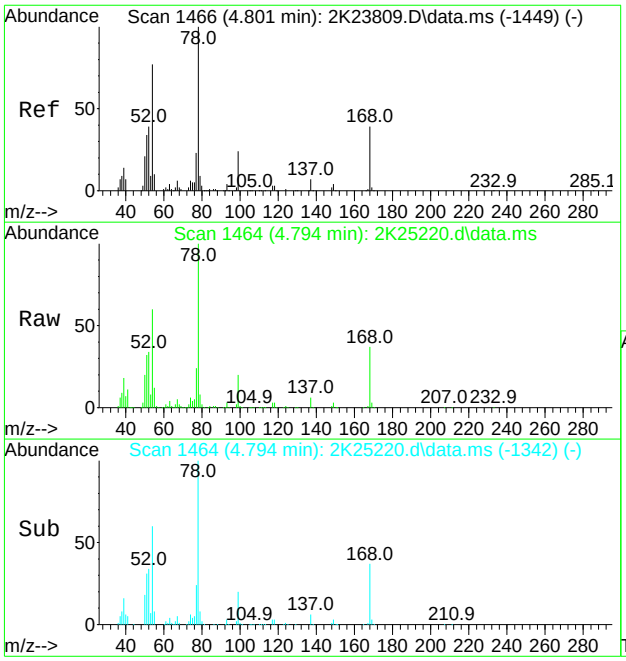


#52
iso-octane
Concen: 33.5885 ug/L
RT: 4.688 min Scan# 1431
Delta R.T. -0.007 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion: 57 Resp: 951153

Ion	Ratio	Lower	Upper
57	100		
41	27.4	19.7	59.7
56	34.1	14.3	54.3

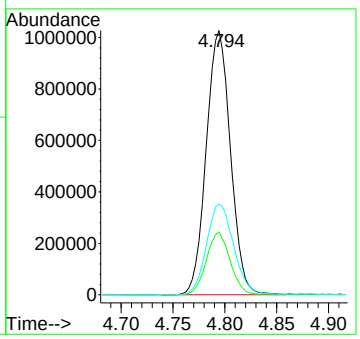


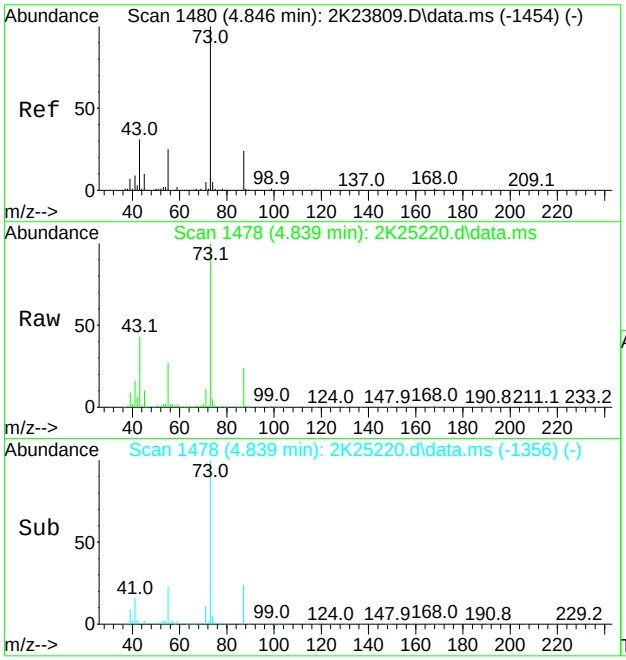


#53
benzene
Concen: 58.7723 ug/L
RT: 4.794 min Scan# 1464
Delta R.T. -0.007 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion: 78 Resp: 1662761

Ion	Ratio	Lower	Upper
78	100		
77	23.8	0.0	53.5
52	34.3	8.9	68.9

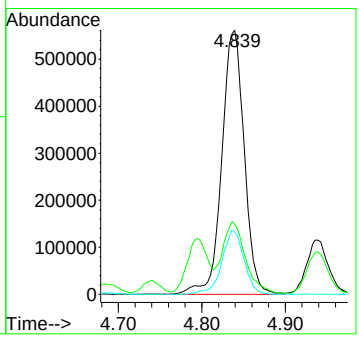


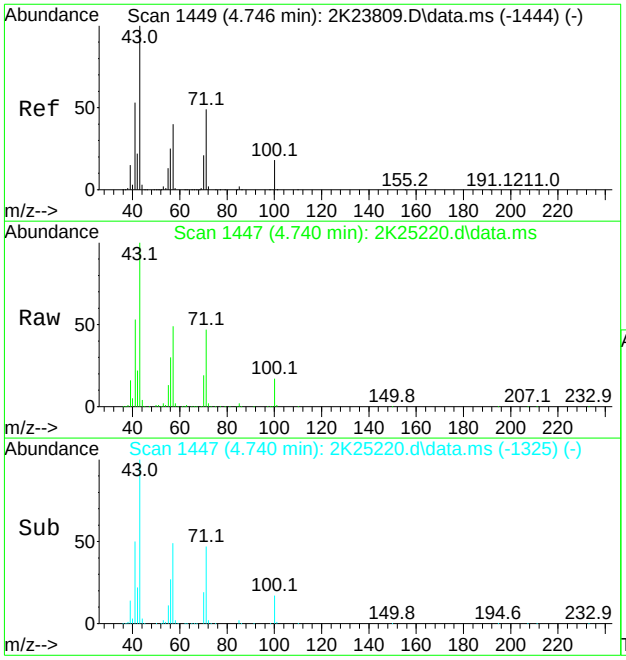


#54
tert-amyl methyl ether
Concen: 43.5853 ug/L
RT: 4.839 min Scan# 1478
Delta R.T. -0.007 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion: 73 Resp: 1047364

Ion	Ratio	Lower	Upper
73	100		
55	26.2	6.1	46.1
87	23.6	4.3	44.3

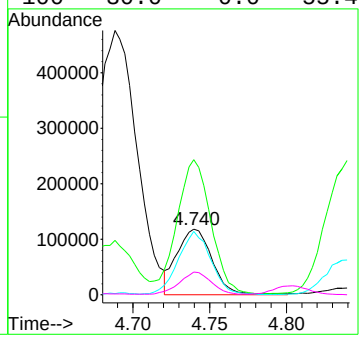


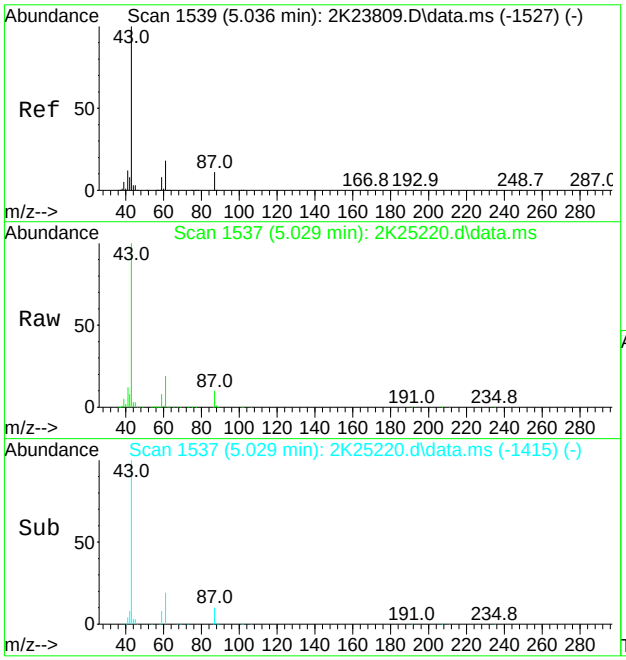


#55
heptane
Concen: 45.8558 ug/L
RT: 4.740 min Scan# 1447
Delta R.T. -0.006 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion: 57 Resp: 189186

Ion	Ratio	Lower	Upper
57	100		
43	206.1	171.2	231.2
71	97.5	63.1	123.1
100	30.0	0.0	55.4

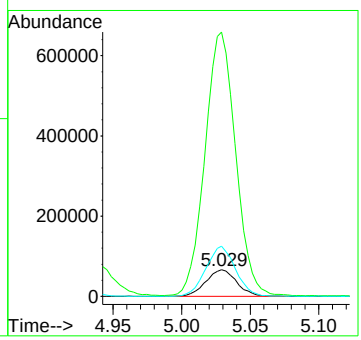


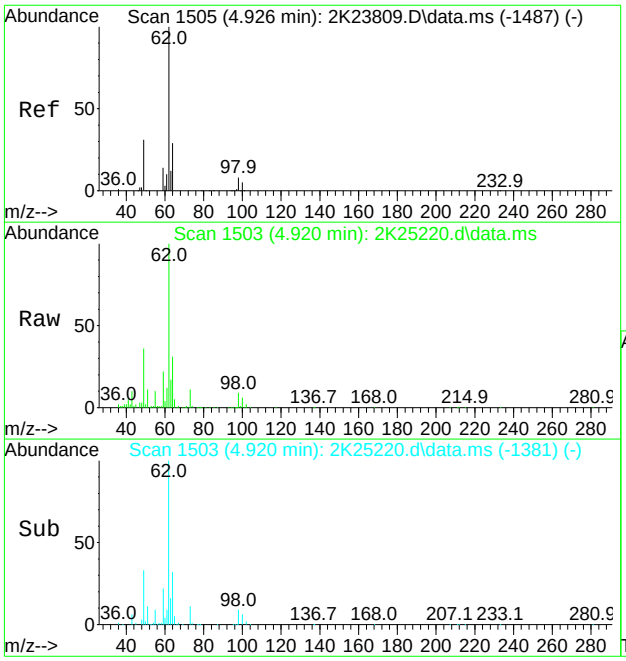


#56
isopropyl acetate
Concen: 44.9577 ug/L
RT: 5.029 min Scan# 1537
Delta R.T. -0.007 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion: 87 Resp: 104098

Ion	Ratio	Lower	Upper
87	100		
43	989.1	917.6	977.6#
61	188.8	137.7	197.7

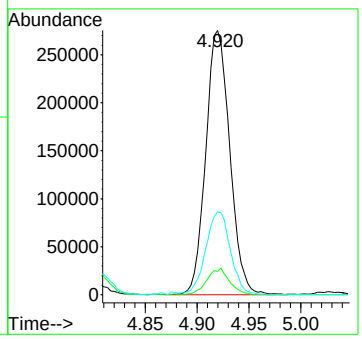


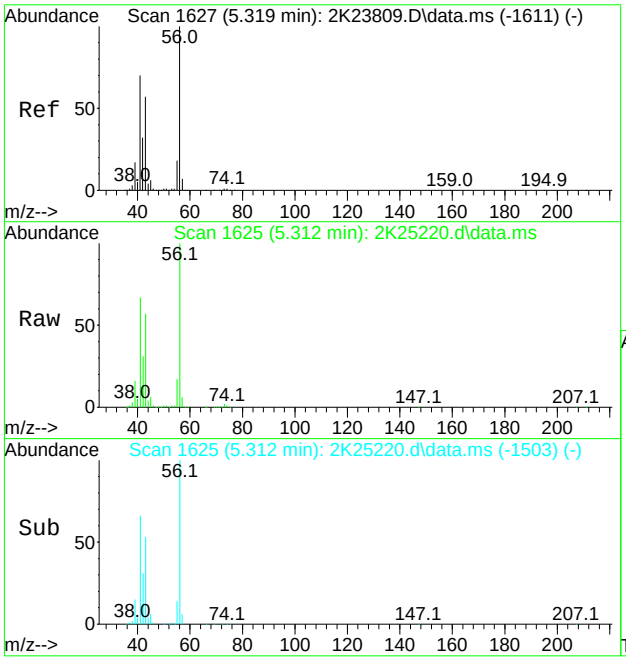


#57
1,2-dichloroethane
Concen: 39.0544 ug/L
RT: 4.920 min Scan# 1503
Delta R.T. -0.006 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion: 62 Resp: 444283

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	38.3
64	31.5	0.0	59.6

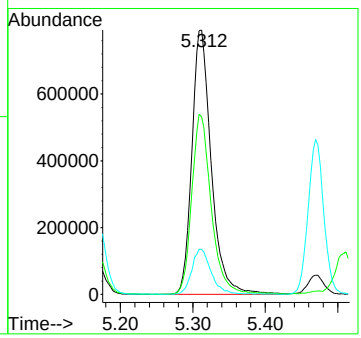


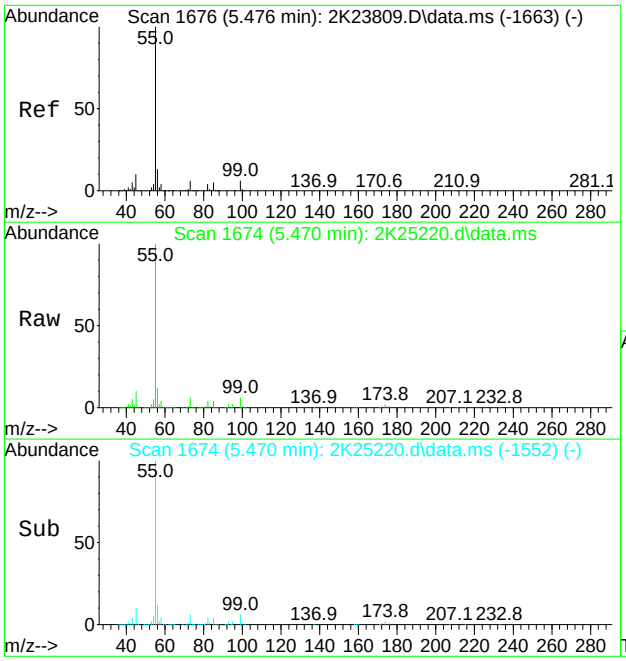


#58
n-butyl alcohol
Concen: 2344.6579 ug/L
RT: 5.312 min Scan# 1625
Delta R.T. -0.007 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion: 56 Resp: 1475963

Ion	Ratio	Lower	Upper
56	100		
41	67.0	50.4	90.4
55	17.0	0.0	37.7

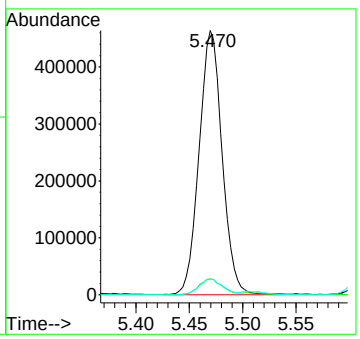


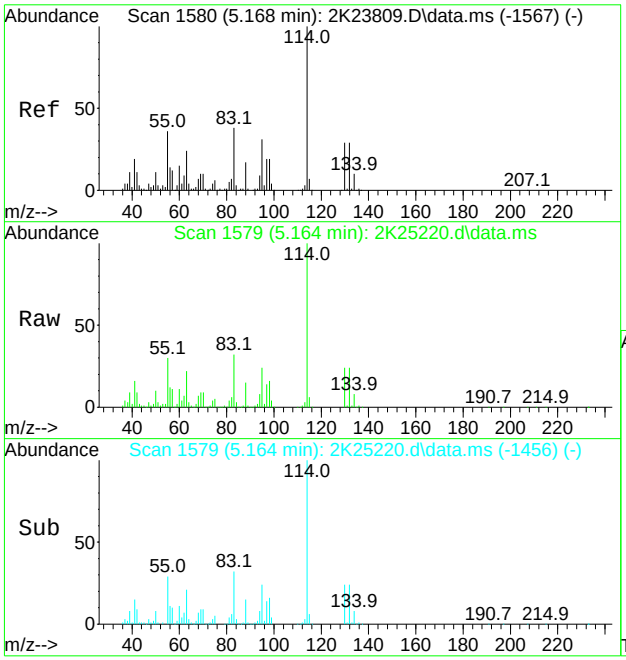


#59
ethyl acrylate
Concen: 44.9760 ug/L
RT: 5.470 min Scan# 1674
Delta R.T. -0.006 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion: 55 Resp: 696428

Ion	Ratio	Lower	Upper
55	100		
73	6.0	0.0	36.2
99	5.8	0.0	36.0

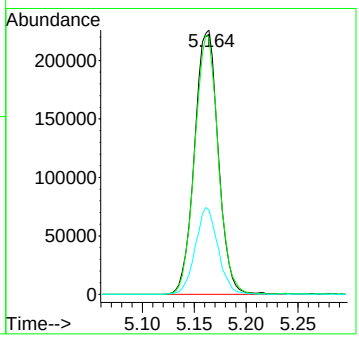


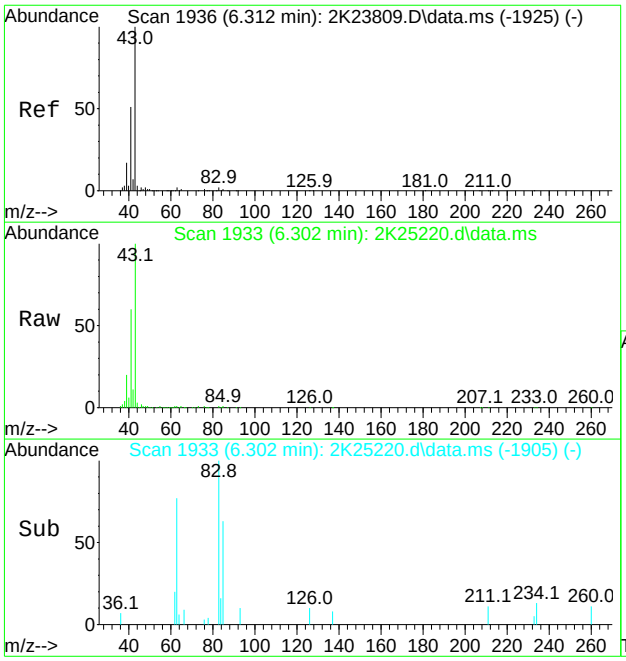


#60
trichloroethene
Concen: 52.3109 ug/L
RT: 5.164 min Scan# 1579
Delta R.T. -0.004 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion:130 Resp: 360758

Ion	Ratio	Lower	Upper
130	100		
132	97.3	70.8	130.8
134	32.0	4.2	64.2

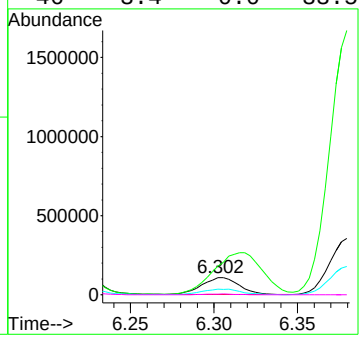


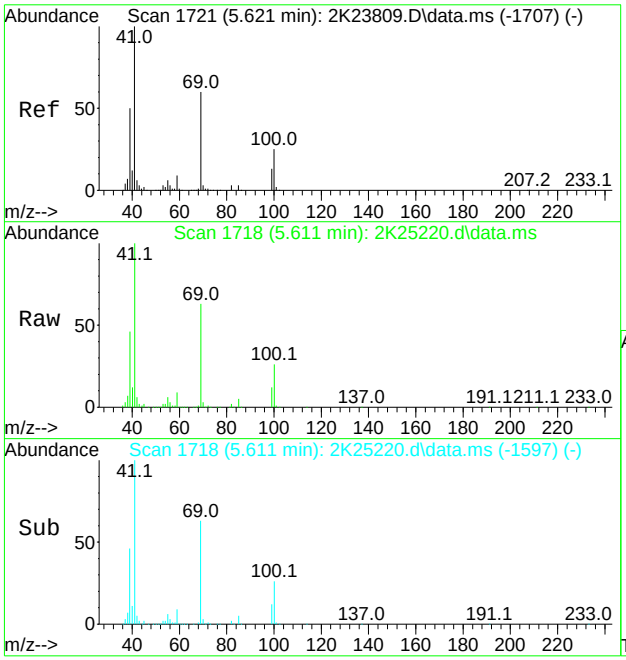


#61
2-nitropropane
Concen: 40.6054 ug/L
RT: 6.302 min Scan# 1933
Delta R.T. -0.010 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion: 41 Resp: 164639

Ion	Ratio	Lower	Upper
41	100		
43	167.1	163.8	223.8
39	32.7	4.1	64.1
46	3.4	0.0	33.5

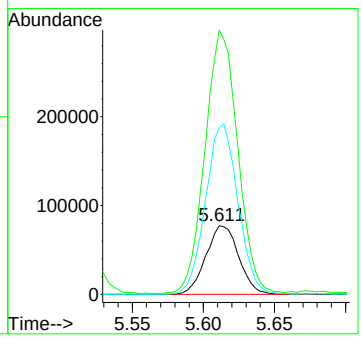


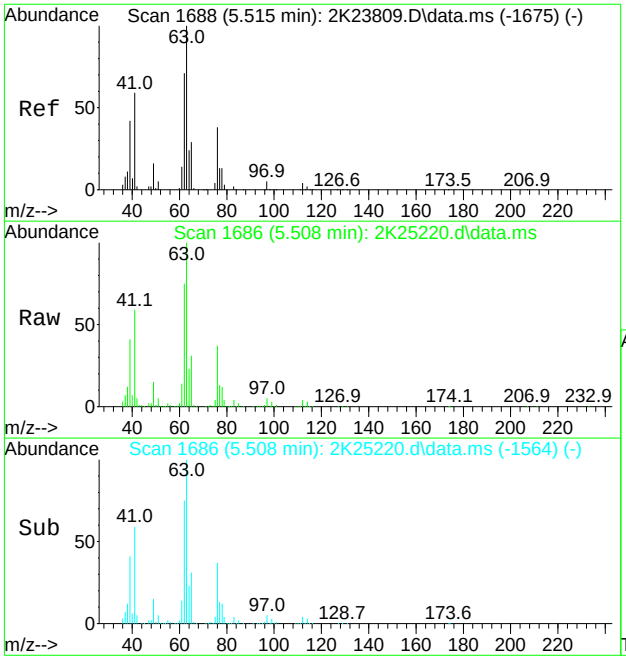


#63
methyl methacrylate
Concen: 46.2934 ug/L
RT: 5.611 min Scan# 1718
Delta R.T. -0.010 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion:100 Resp: 124465

Ion	Ratio	Lower	Upper
100	100		
41	382.1	374.3	434.3
69	242.0	214.3	274.3

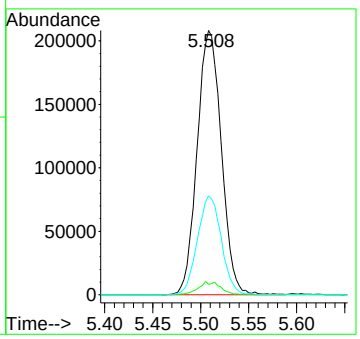


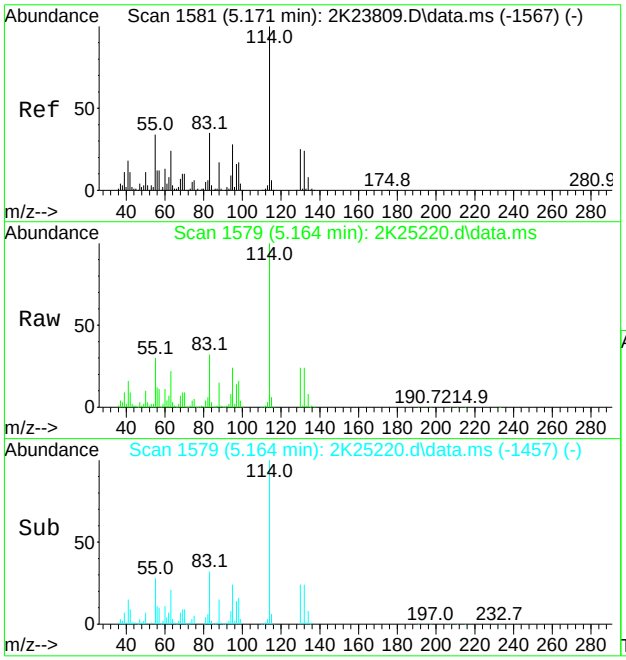


#64
1,2-dichloropropane
Concen: 46.3147 ug/L
RT: 5.508 min Scan# 1686
Delta R.T. -0.007 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion: 63 Resp: 365412

Ion	Ratio	Lower	Upper
63	100		
112	4.0	0.0	33.7
76	37.4	7.9	67.9

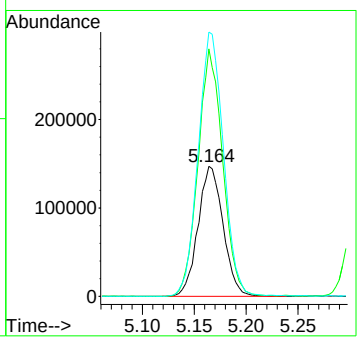


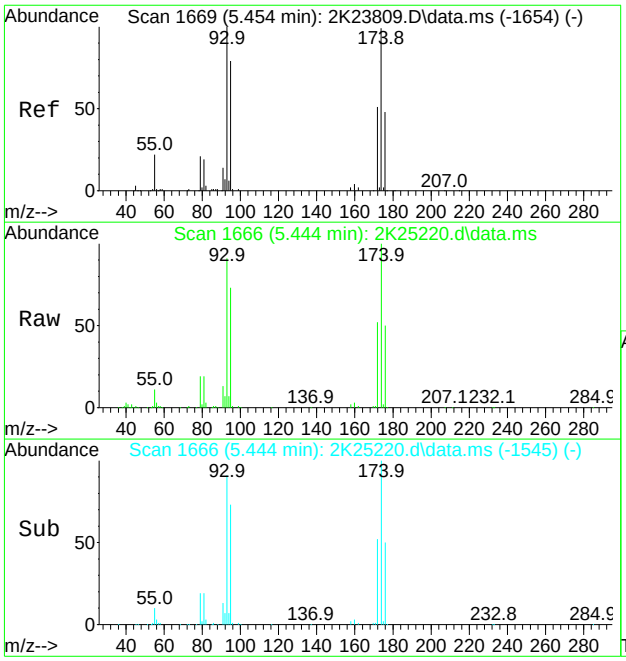


#65
methylcyclohexane
Concen: 49.2311 ug/L
RT: 5.164 min Scan# 1579
Delta R.T. -0.007 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion: 98 Resp: 247797

Ion	Ratio	Lower	Upper
98	100		
55	190.2	173.8	233.8
83	203.2	181.7	241.7

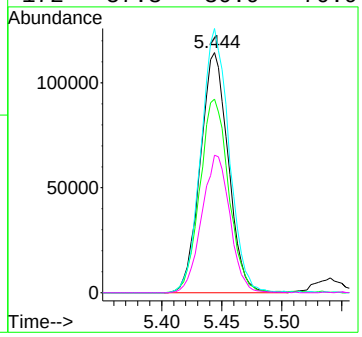


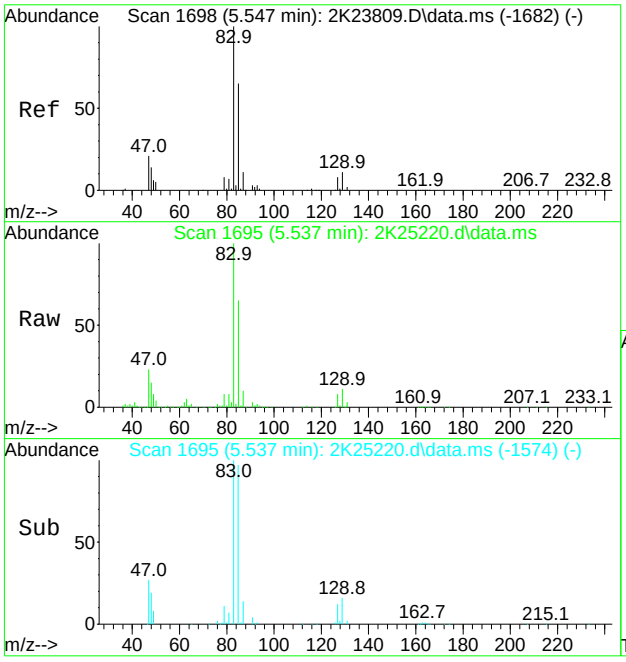


#66
dibromomethane
Concen: 42.2803 ug/L
RT: 5.444 min Scan# 1666
Delta R.T. -0.010 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion: 93 Resp: 185153

Ion	Ratio	Lower	Upper
93	100		
95	80.6	49.5	109.5
174	110.1	68.7	128.7
172	57.3	30.9	70.9

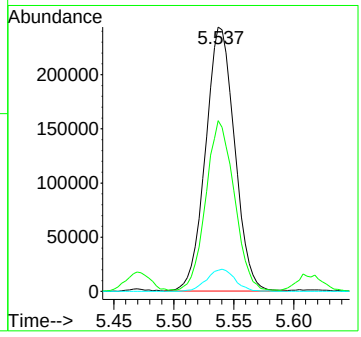


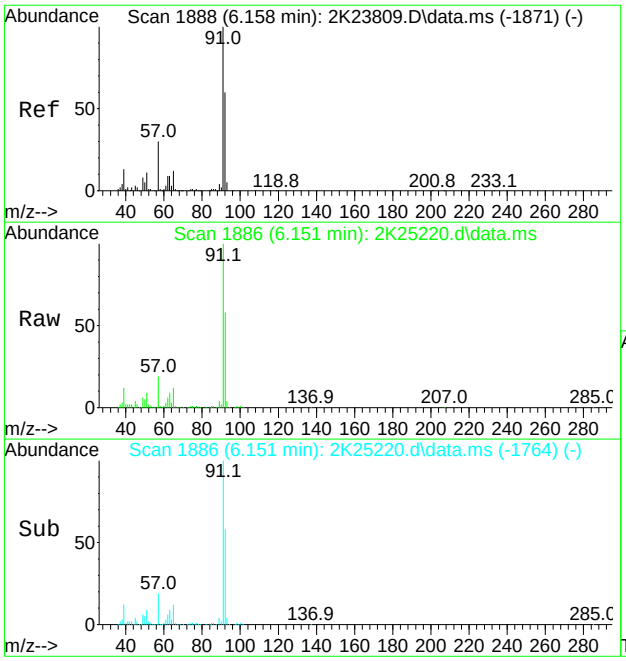


#67
bromodichloromethane
Concen: 43.4540 ug/L
RT: 5.537 min Scan# 1695
Delta R.T. -0.010 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion: 83 Resp: 410450

Ion	Ratio	Lower	Upper
83	100		
85	63.7	36.5	96.5
127	8.0	0.0	37.8

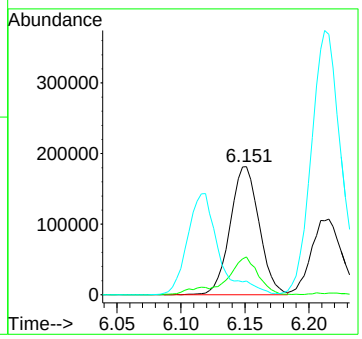


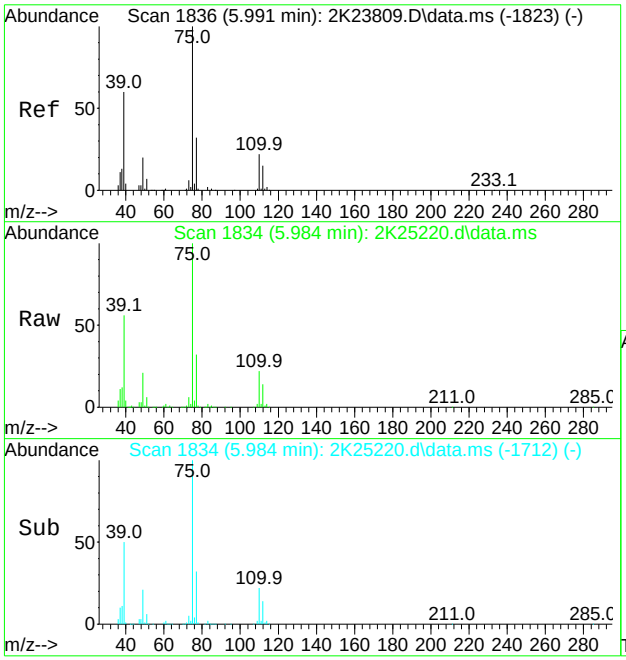


#68
epichlorohydrin
Concen: 163.8549 ug/L
RT: 6.151 min Scan# 1886
Delta R.T. -0.007 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion: 57 Resp: 286889

Ion	Ratio	Lower	Upper
57	100		
49	29.3	7.1	47.1
42	9.3	0.0	27.5

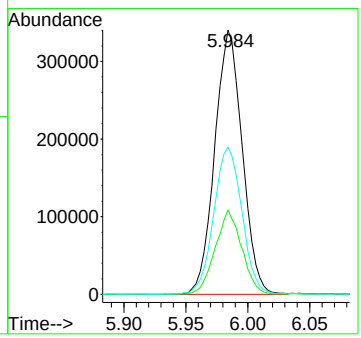


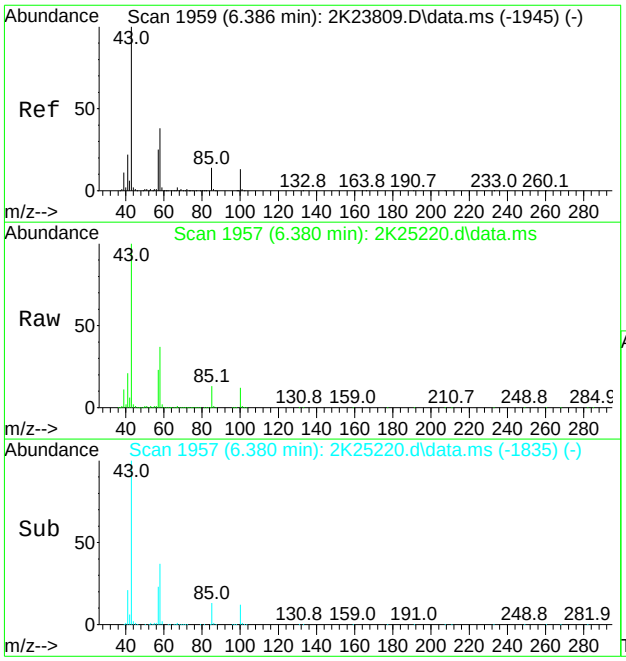


#69
cis-1,3-dichloropropene
Concen: 43.6567 ug/L
RT: 5.984 min Scan# 1834
Delta R.T. -0.007 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion: 75 Resp: 526063

Ion	Ratio	Lower	Upper
75	100		
77	32.0	2.1	62.1
39	55.7	30.1	90.1

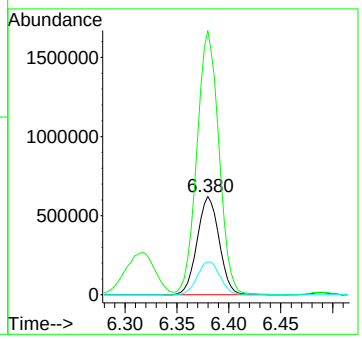


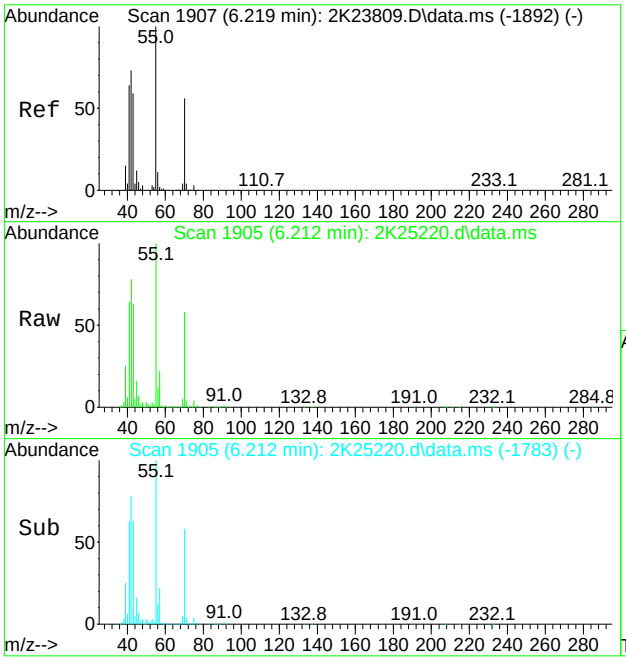


#70
4-methyl-2-pentanone
Concen: 178.5334 ug/L
RT: 6.380 min Scan# 1957
Delta R.T. -0.006 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion: 58 Resp: 918281

Ion	Ratio	Lower	Upper
58	100		
43	268.2	244.4	304.4
100	33.3	4.8	64.8

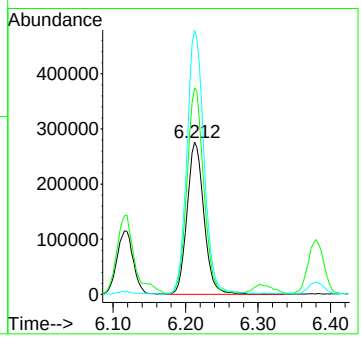


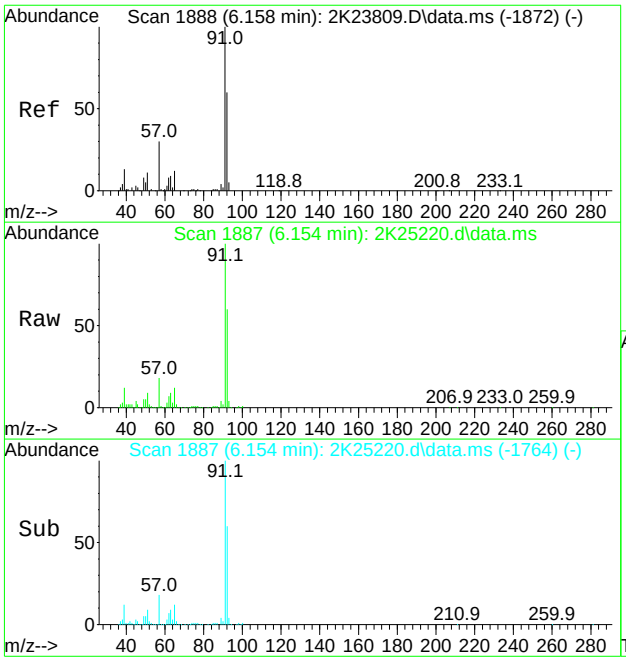


#71
3-methyl-1-butanol
Concen: 914.6133 ug/L
RT: 6.212 min Scan# 1905
Delta R.T. -0.007 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion: 70 Resp: 447815

Ion	Ratio	Lower	Upper
70	100		
42	135.2	100.5	160.5
55	173.9	148.8	208.8

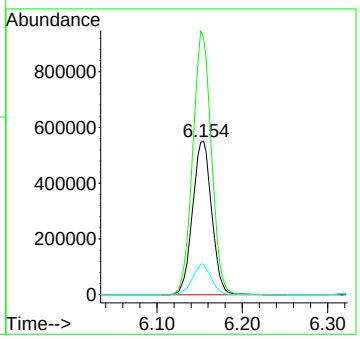


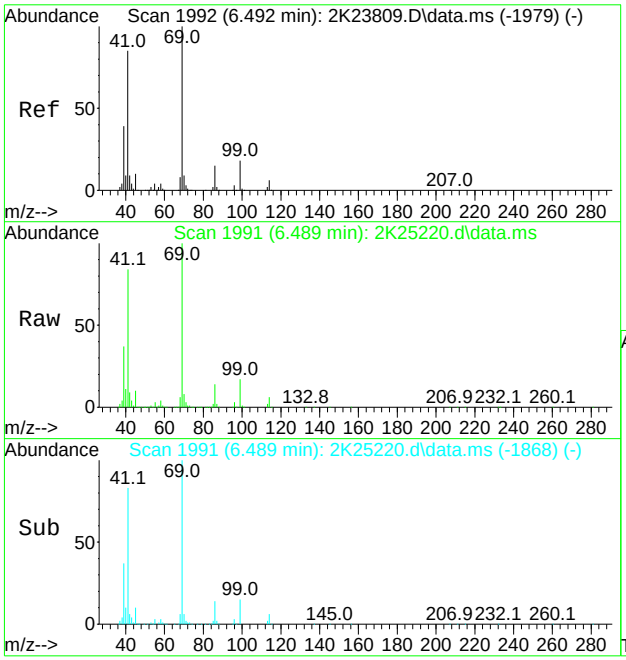


#74
toluene
Concen: 48.1188 ug/L
RT: 6.154 min Scan# 1887
Delta R.T. -0.004 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion: 92 Resp: 856582

Ion	Ratio	Lower	Upper
92	100		
91	166.7	145.9	185.9
65	19.9	0.5	40.5

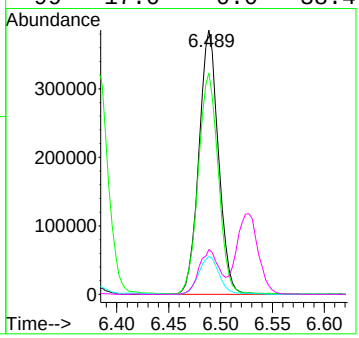


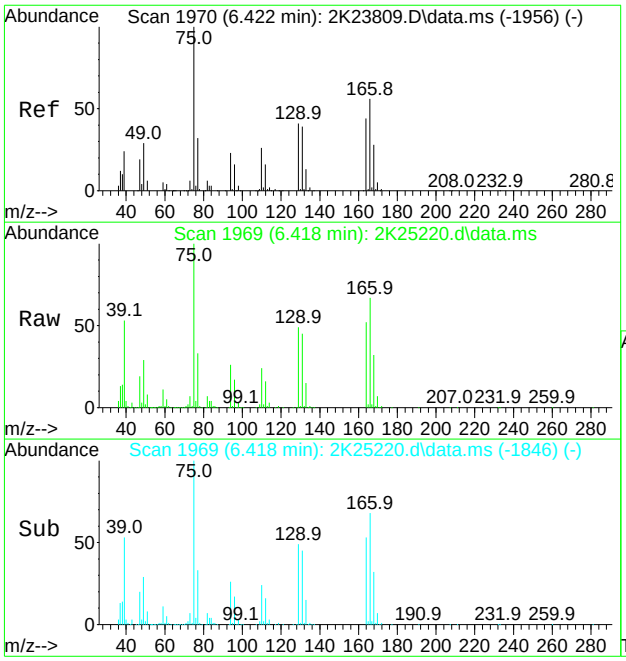


#75
ethyl methacrylate
Concen: 45.2136 ug/L
RT: 6.489 min Scan# 1991
Delta R.T. -0.003 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion: 69 Resp: 504004

Ion	Ratio	Lower	Upper
69	100		
41	83.4	65.3	105.3
86	14.3	0.0	34.6
99	17.0	0.0	38.4

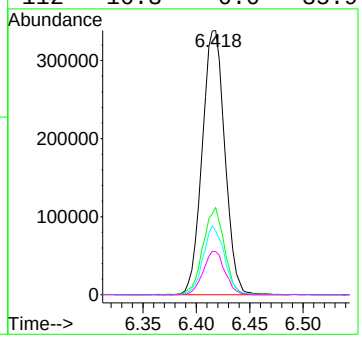


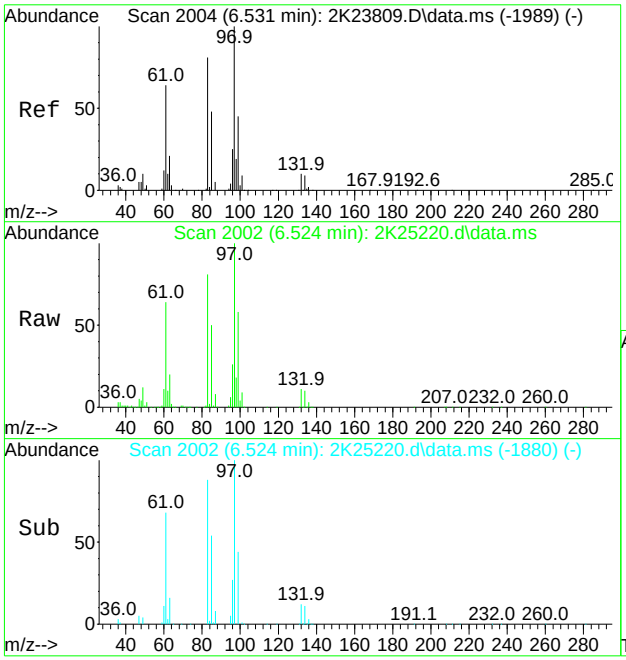


#76
trans-1,3-dichloropropene
Concen: 42.6048 ug/L
RT: 6.418 min Scan# 1969
Delta R.T. -0.004 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion: 75 Resp: 499369

Ion	Ratio	Lower	Upper
75	100		
77	33.0	12.2	52.2
110	24.3	5.7	45.7
112	16.3	0.0	35.9

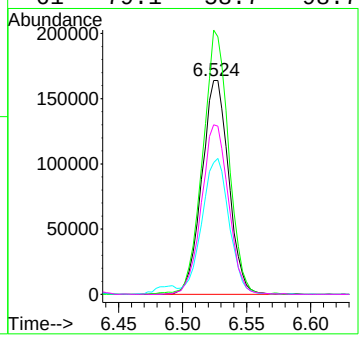


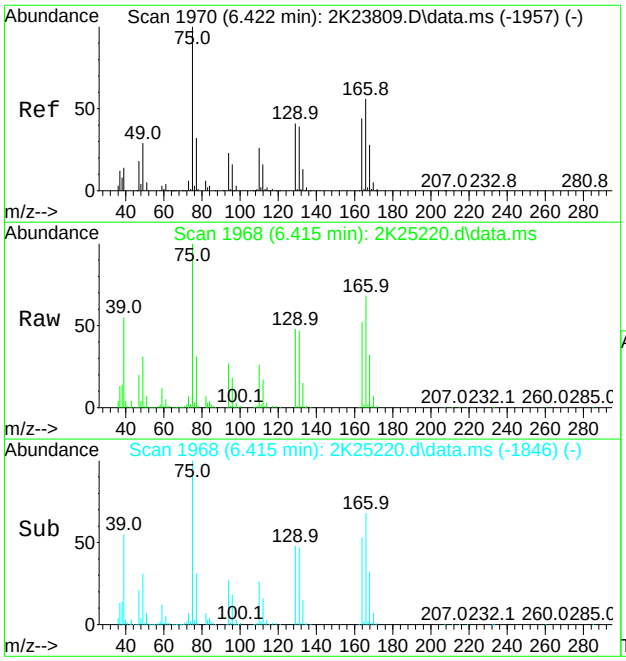


#77
1,1,2-trichloroethane
Concen: 44.3550 ug/L
RT: 6.524 min Scan# 2002
Delta R.T. -0.007 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion: 83 Resp: 239706

Ion	Ratio	Lower	Upper
83	100		
97	123.2	103.4	143.4
85	61.3	40.7	80.7
61	79.1	58.7	98.7

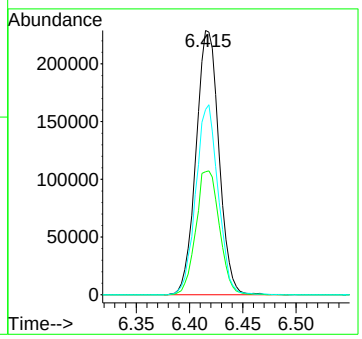


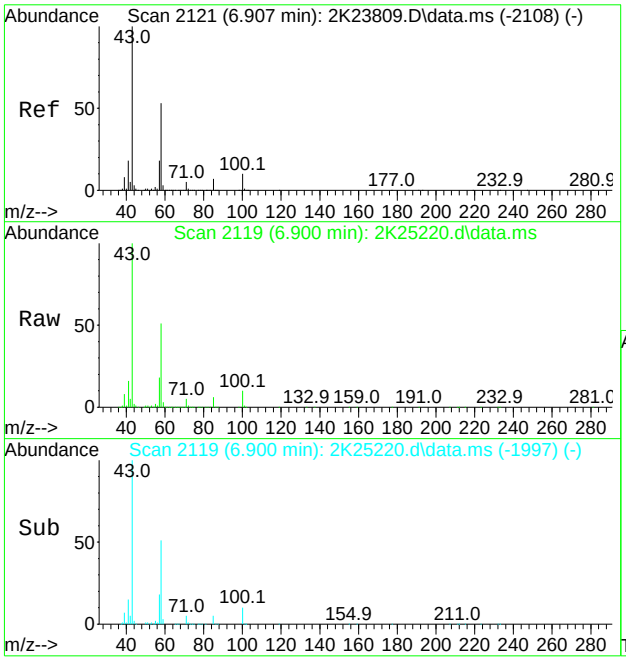


#78
tetrachloroethene
Concen: 50.1858 ug/L
RT: 6.415 min Scan# 1968
Delta R.T. -0.007 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion:166 Resp: 342184

Ion	Ratio	Lower	Upper
166	100		
168	46.5	19.1	79.1
129	70.1	42.7	102.7

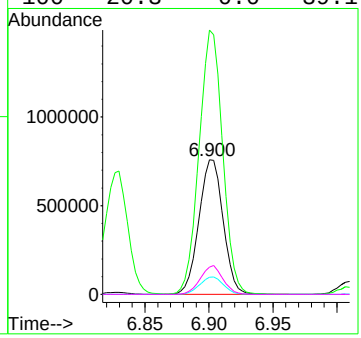


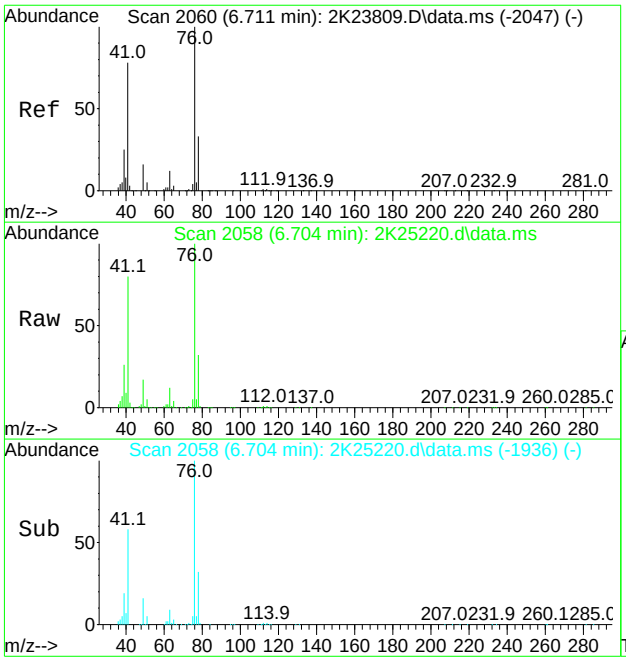


#79
2-hexanone
Concen: 179.3940 ug/L
RT: 6.900 min Scan# 2119
Delta R.T. -0.007 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion: 58 Resp: 1000112

Ion	Ratio	Lower	Upper
58	100		
43	196.2	168.9	208.9
85	12.8	0.0	33.1
100	20.3	0.0	39.1

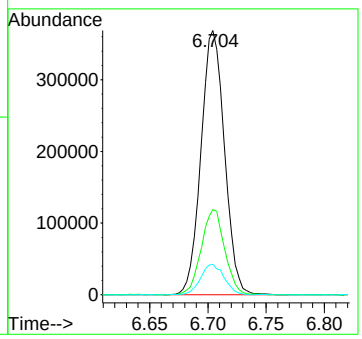


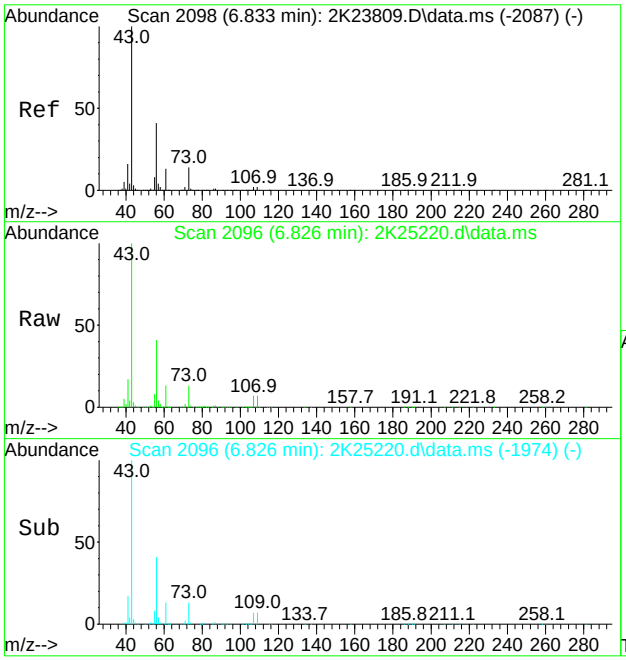


#80
1,3-dichloropropane
Concen: 44.0902 ug/L
RT: 6.704 min Scan# 2058
Delta R.T. -0.007 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion: 76 Resp: 518462

Ion	Ratio	Lower	Upper
76	100		
78	32.3	2.9	62.9
63	11.6	0.0	42.3

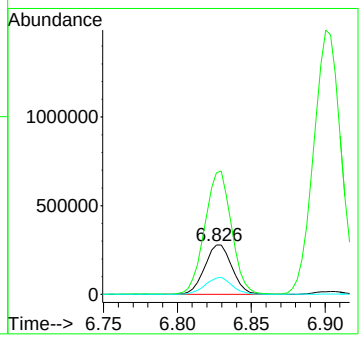


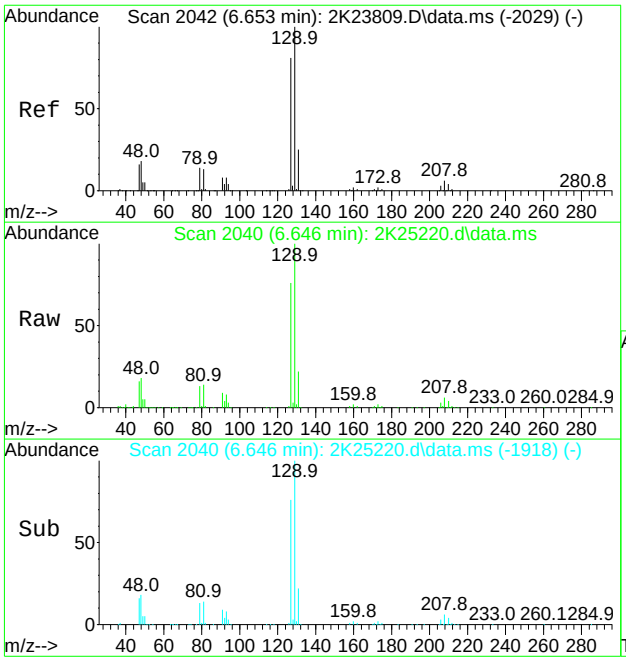


#81
butyl acetate
Concen: 43.9841 ug/L
RT: 6.826 min Scan# 2096
Delta R.T. -0.007 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion: 56 Resp: 358223

Ion	Ratio	Lower	Upper
56	100		
43	245.4	213.5	273.5
73	32.7	4.2	64.2

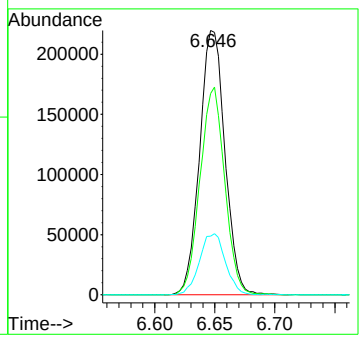


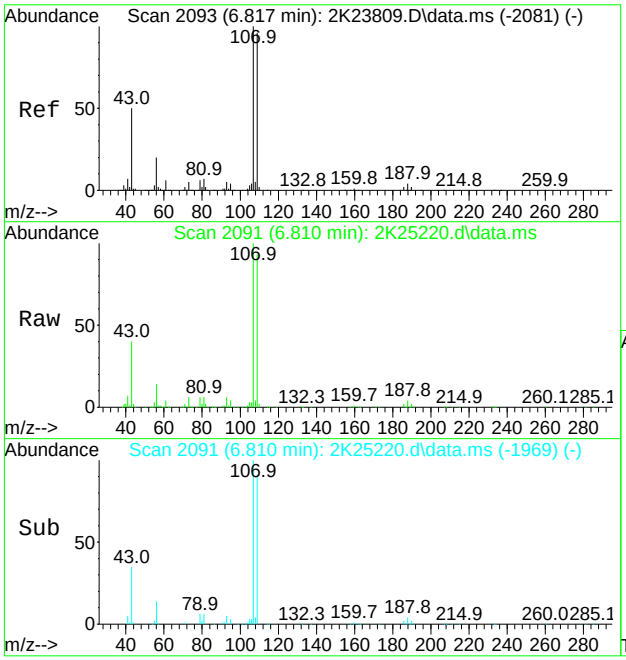


#82
dibromochloromethane
Concen: 46.0196 ug/L
RT: 6.646 min Scan# 2040
Delta R.T. -0.007 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion:129 Resp: 322215

Ion	Ratio	Lower	Upper
129	100		
127	76.1	50.8	110.8
131	22.1	0.0	55.3

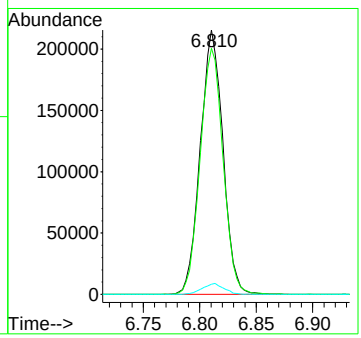


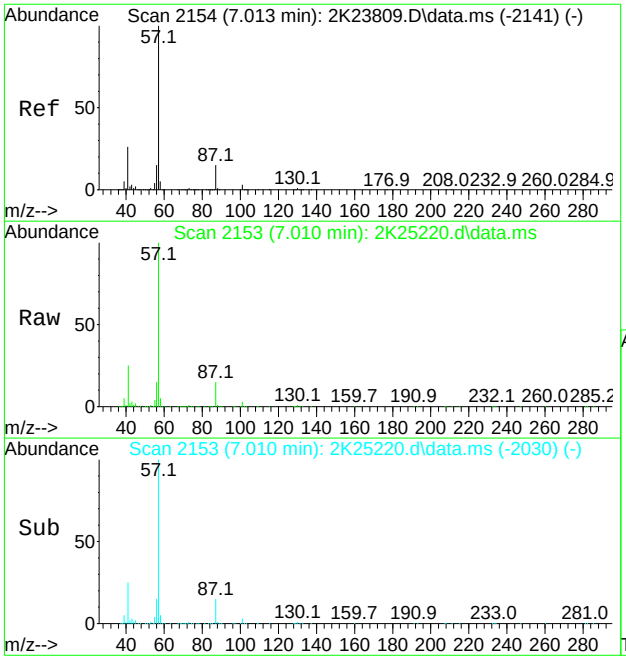


#83
1,2-dibromoethane
Concen: 45.4701 ug/L
RT: 6.810 min Scan# 2091
Delta R.T. -0.007 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion:107 Resp: 299147

Ion	Ratio	Lower	Upper
107	100		
109	93.1	65.7	125.7
188	3.8	0.0	33.6

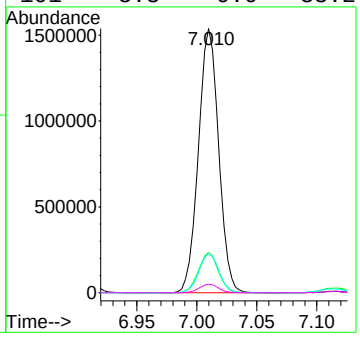


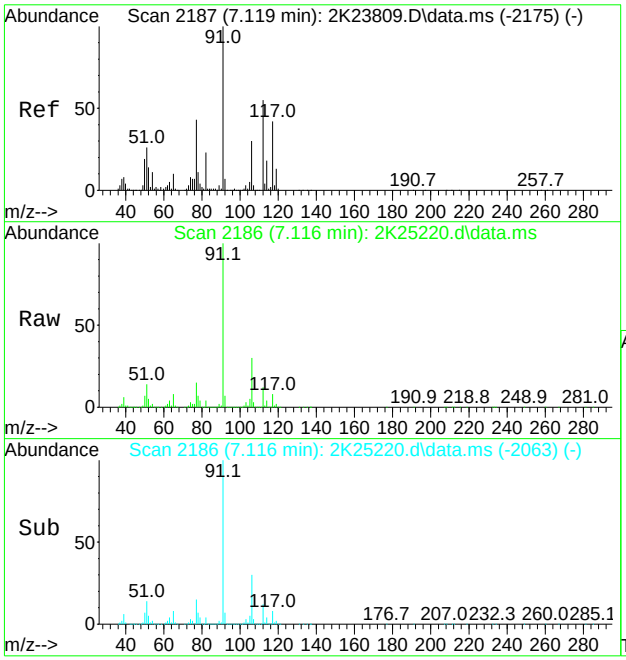


#84
n-butyl ether
Concen: 48.2675 ug/L
RT: 7.010 min Scan# 2153
Delta R.T. -0.003 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion: 57 Resp: 1799610

Ion	Ratio	Lower	Upper
57	100		
56	15.3	0.0	45.2
87	14.8	0.0	45.0
101	3.3	0.0	33.2

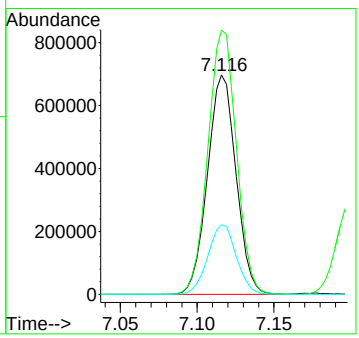


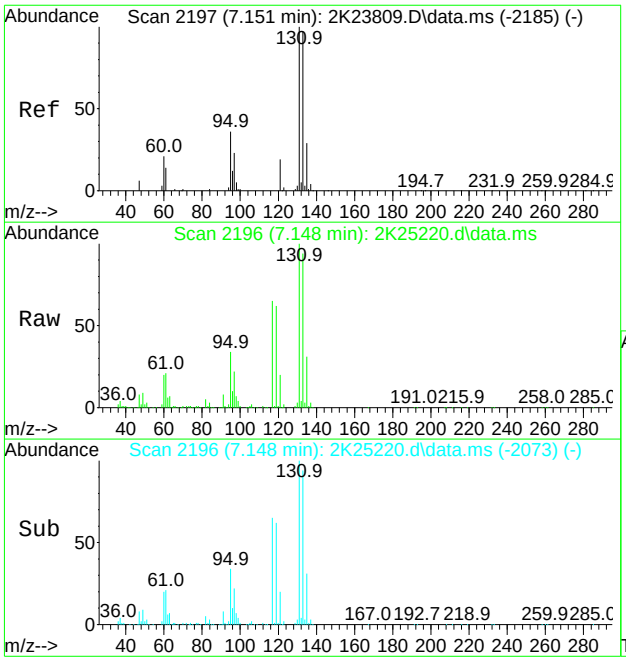


#85
chlorobenzene
Concen: 48.7080 ug/L
RT: 7.116 min Scan# 2186
Delta R.T. -0.003 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion:112 Resp: 901887

Ion	Ratio	Lower	Upper
112	100		
77	120.5	49.5	109.5#
114	31.8	2.1	62.1

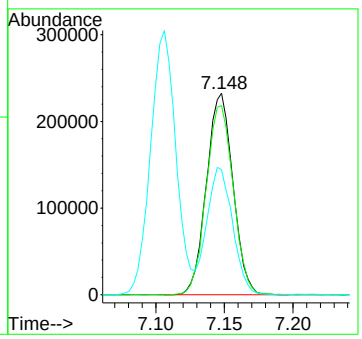


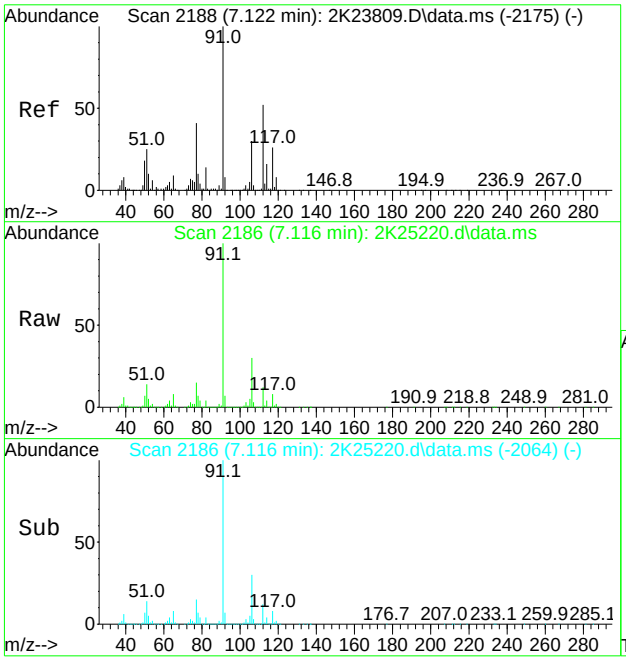


#86
1,1,1,2-tetrachloroethane
Concen: 47.3606 ug/L
RT: 7.148 min Scan# 2196
Delta R.T. -0.003 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion:131 Resp: 311841

Ion	Ratio	Lower	Upper
131	100		
133	93.8	66.7	126.7
119	61.9	31.1	91.1

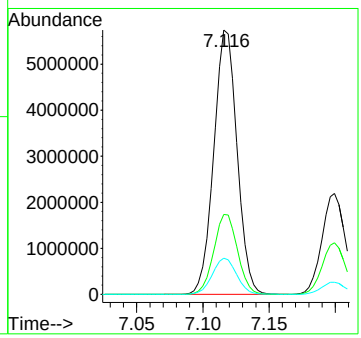


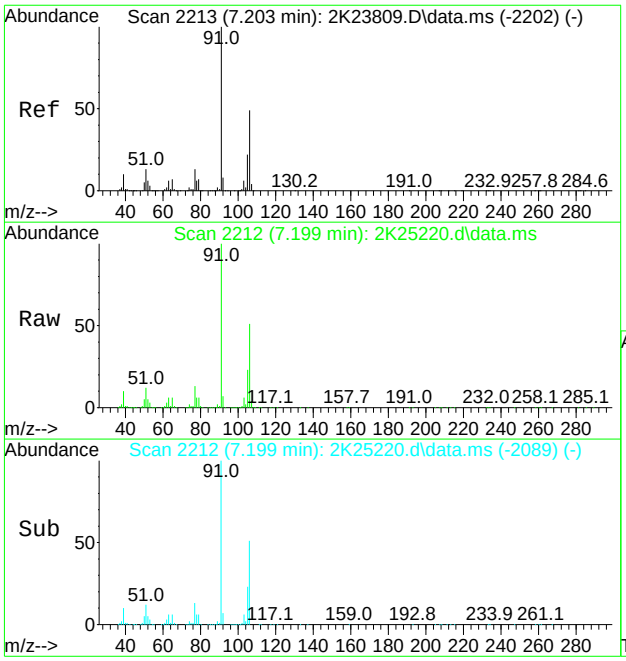


#87
ethylbenzene
Concen: 206.0730 ug/L
RT: 7.116 min Scan# 2186
Delta R.T. -0.006 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion: 91 Resp: 7016465

Ion	Ratio	Lower	Upper
91	100		
106	30.2	0.3	60.3
51	13.7	0.0	55.4

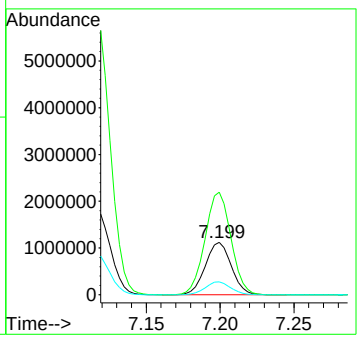


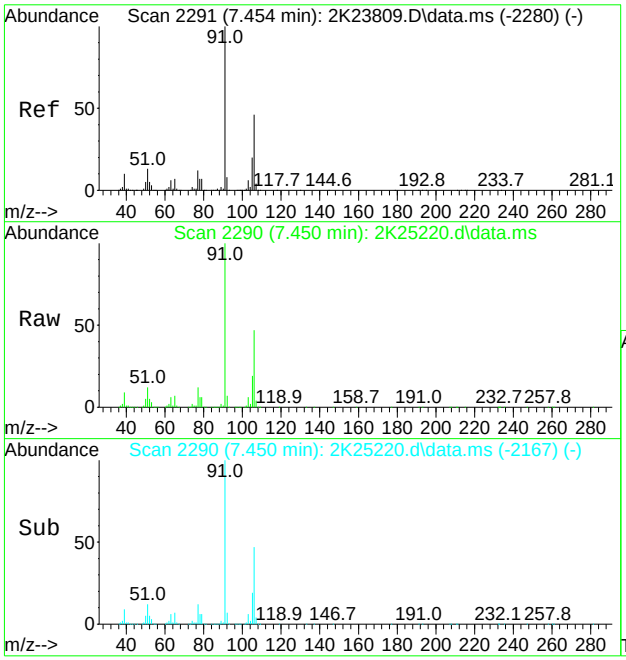


#88
m,p-xylene
Concen: 109.3098 ug/L
RT: 7.199 min Scan# 2212
Delta R.T. -0.004 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion:106 Resp: 1364772

Ion	Ratio	Lower	Upper
106	100		
91	195.8	173.5	233.5
77	24.6	7.0	47.0

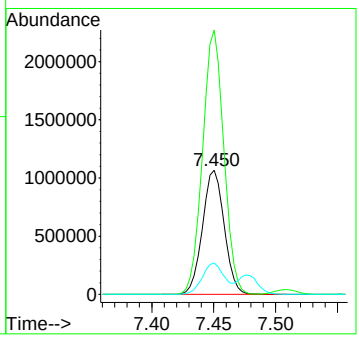


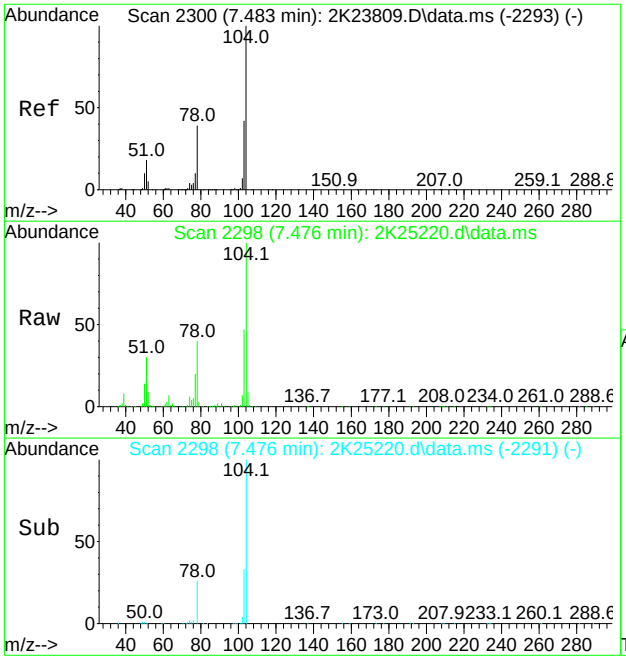


#89
o-xylene
Concen: 107.1104 ug/L
RT: 7.450 min Scan# 2290
Delta R.T. -0.004 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion:106 Resp: 1300737

Ion	Ratio	Lower	Upper
106	100		
91	212.9	186.3	246.3
77	25.3	6.7	46.7

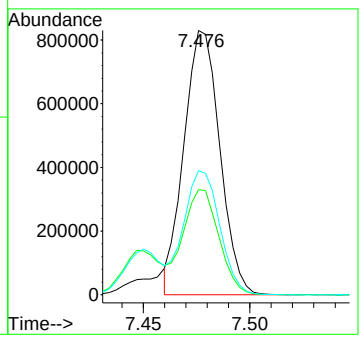


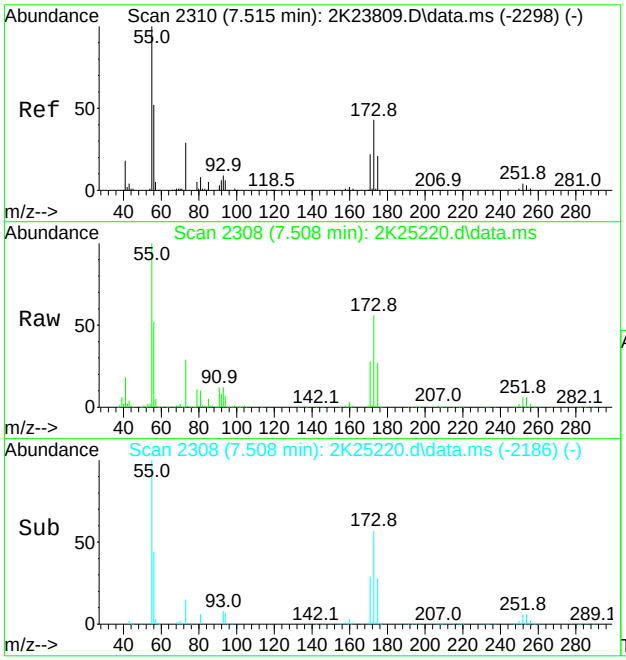


#90
styrene
Concen: 47.0141 ug/L
RT: 7.476 min Scan# 2298
Delta R.T. -0.007 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion:104 Resp: 969733

Ion	Ratio	Lower	Upper
104	100		
78	39.7	14.3	74.3
103	46.9	17.0	77.0

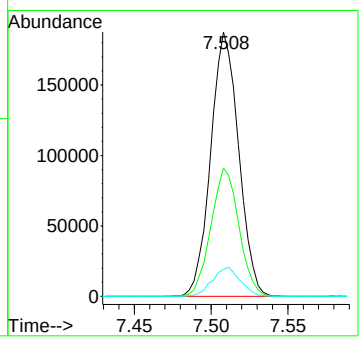


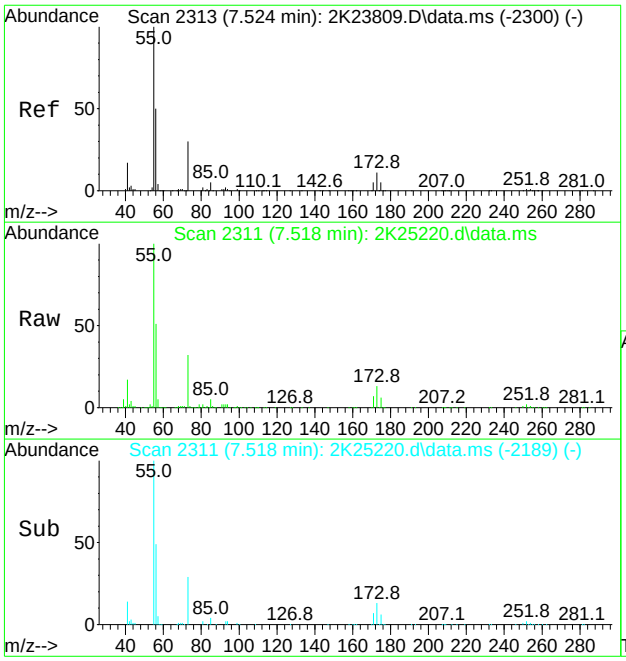


#91
bromoform
Concen: 42.5807 ug/L
RT: 7.508 min Scan# 2308
Delta R.T. -0.007 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion:173 Resp: 237353

Ion	Ratio	Lower	Upper
173	100		
175	48.6	18.6	78.6
254	10.2	0.0	37.9

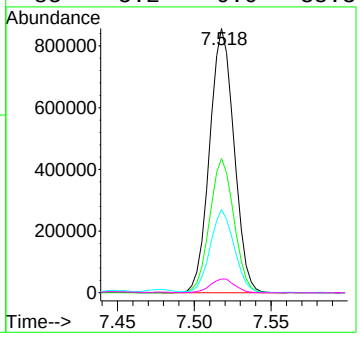


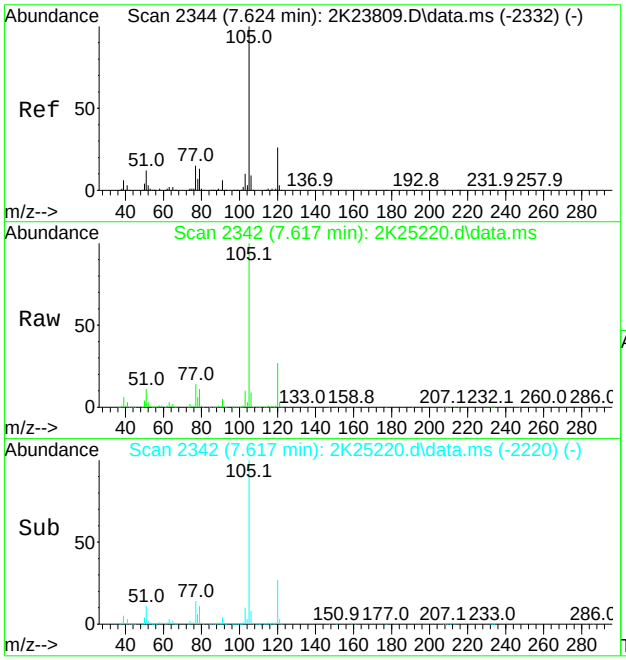


#92
butyl acrylate
Concen: 45.4435 ug/L
RT: 7.518 min Scan# 2311
Delta R.T. -0.006 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion: 55 Resp: 947837

Ion	Ratio	Lower	Upper
55	100		
56	50.7	20.5	80.5
73	31.4	0.7	60.7
85	5.2	0.0	35.3

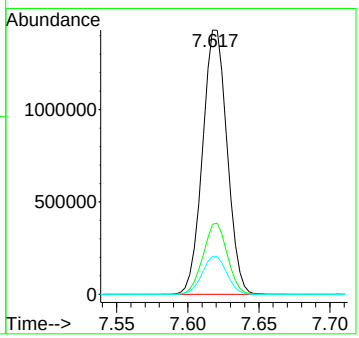


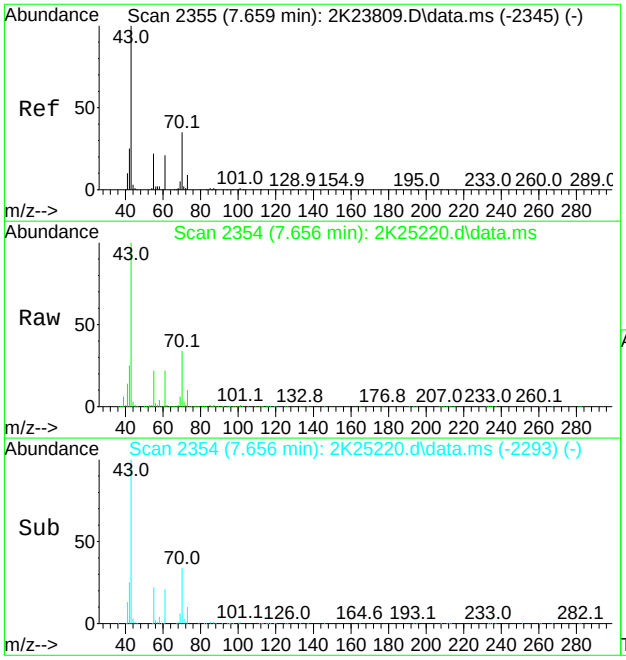


#93
isopropylbenzene
Concen: 56.8048 ug/L
RT: 7.617 min Scan# 2342
Delta R.T. -0.007 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion:105 Resp: 1714862

Ion	Ratio	Lower	Upper
105	100		
120	26.6	6.4	46.4
77	14.4	0.0	35.1

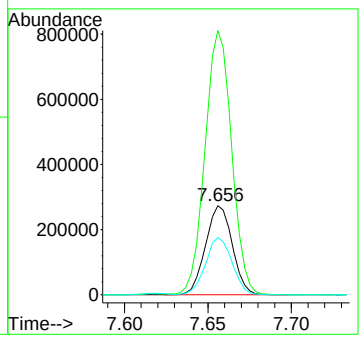


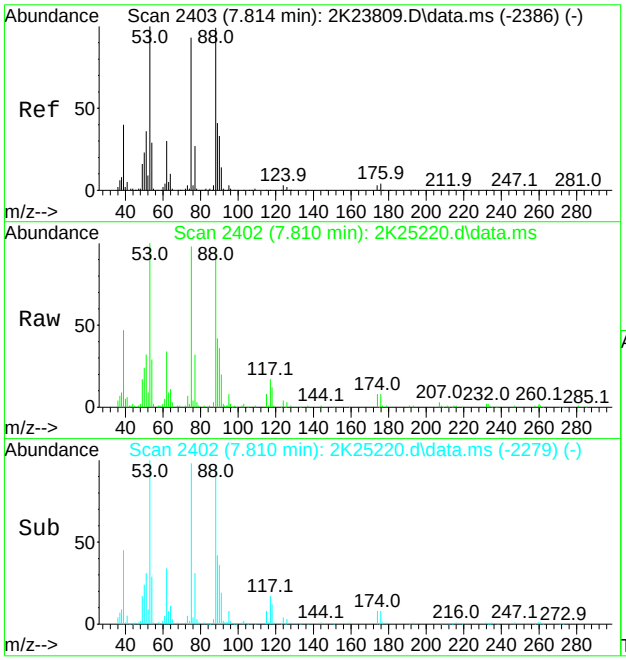


#94
n-amyl acetate
Concen: 45.3080 ug/L
RT: 7.656 min Scan# 2354
Delta R.T. -0.003 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion: 70 Resp: 304273

Ion	Ratio	Lower	Upper
70	100		
43	296.0	265.5	305.5
61	63.8	41.9	81.9

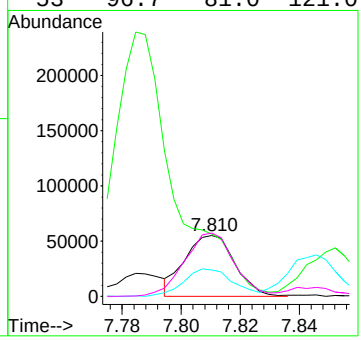


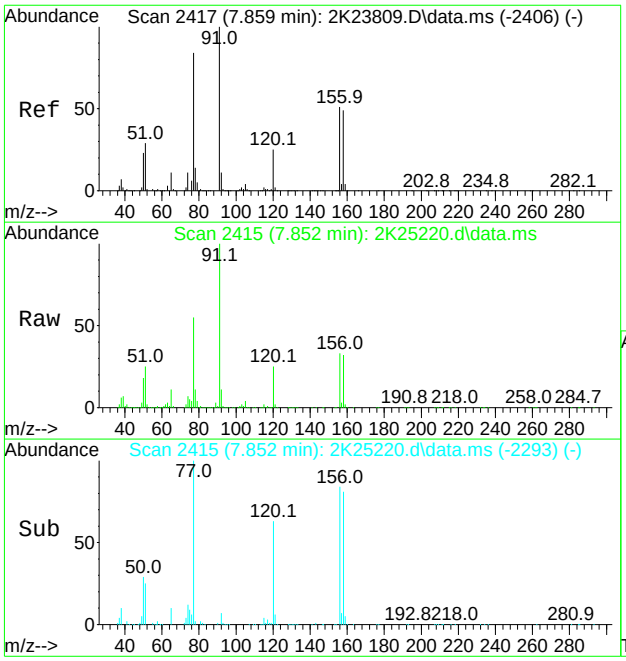


#95
cis-1,4-dichloro-2-butene
Concen: 13.4770 ug/L
RT: 7.810 min Scan# 2402
Delta R.T. -0.004 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion: 88 Resp: 64987

Ion	Ratio	Lower	Upper
88	100		
75	84.9	73.7	113.7
89	37.8	20.9	60.9
53	96.7	81.0	121.0

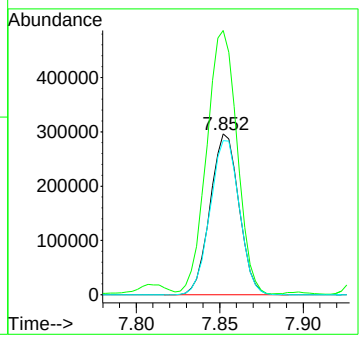


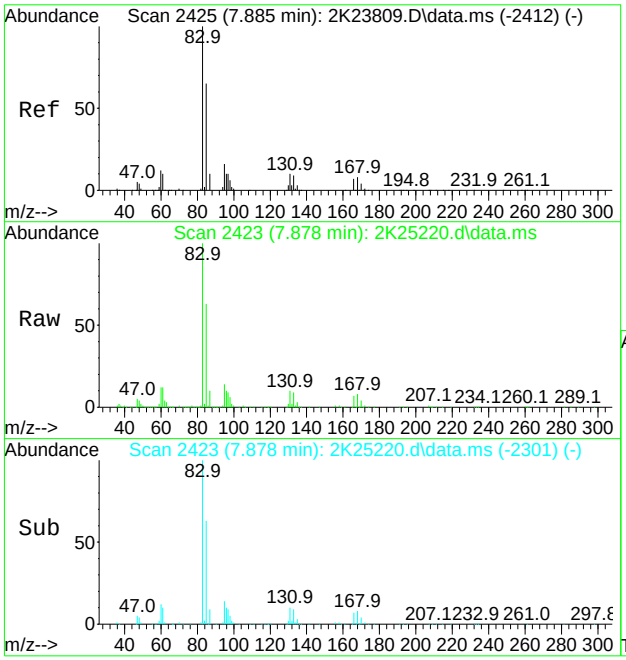


#98
bromobenzene
Concen: 44.8199 ug/L
RT: 7.852 min Scan# 2415
Delta R.T. -0.007 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion:156 Resp: 354996

Ion	Ratio	Lower	Upper
156	100		
77	163.0	144.3	204.3
158	95.8	66.5	126.5

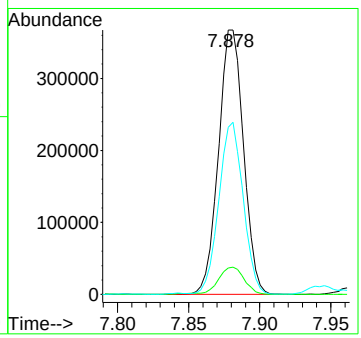


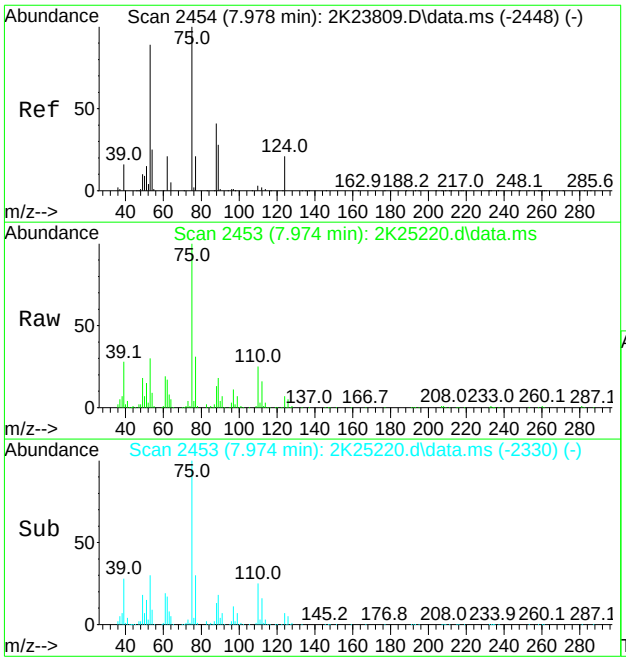


#99
1,1,2,2-tetrachloroethane
Concen: 43.9298 ug/L
RT: 7.878 min Scan# 2423
Delta R.T. -0.007 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion: 83 Resp: 450002

Ion	Ratio	Lower	Upper
83	100		
131	10.0	0.0	40.0
85	63.1	35.3	95.3

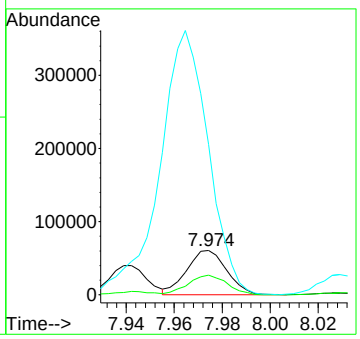


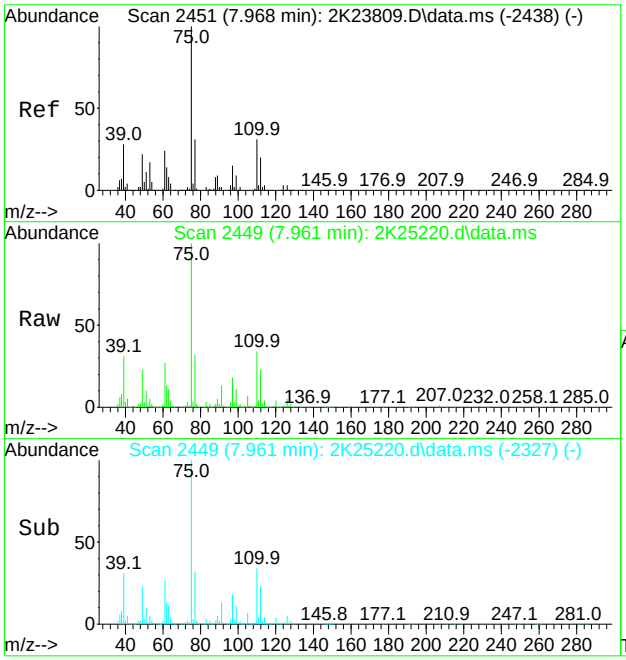


#100
trans-1,4-dichloro-2-butene
Concen: 15.0080 ug/L
RT: 7.974 min Scan# 2453
Delta R.T. -0.004 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion: 53 Resp: 70439

Ion	Ratio	Lower	Upper
53	100		
88	44.1	15.2	75.2
75	336.4	166.9	226.9#

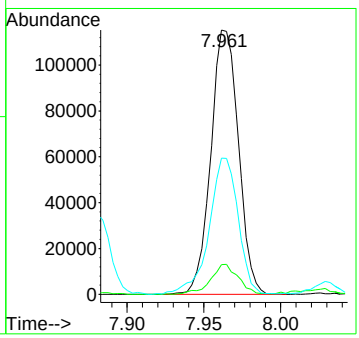


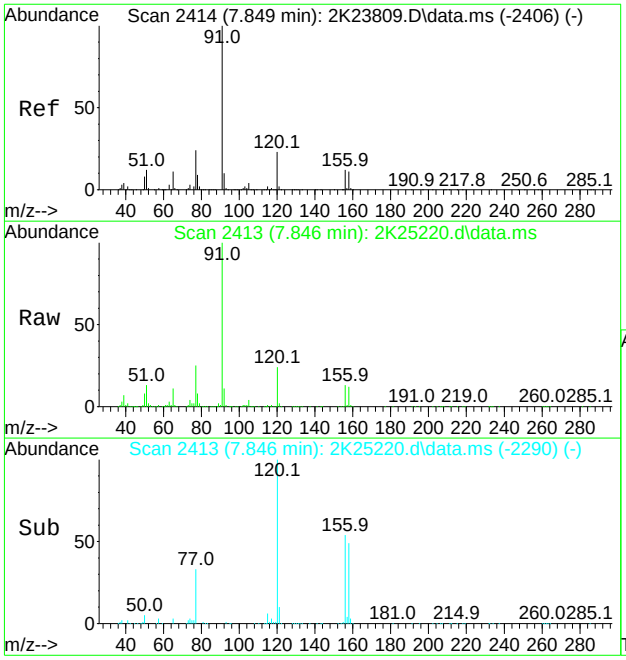


#101
1,2,3-trichloropropane
Concen: 41.6534 ug/L
RT: 7.961 min Scan# 2449
Delta R.T. -0.007 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion:110 Resp: 144483

Ion	Ratio	Lower	Upper
110	100		
111	11.2	0.0	39.3
97	51.4	17.7	77.7

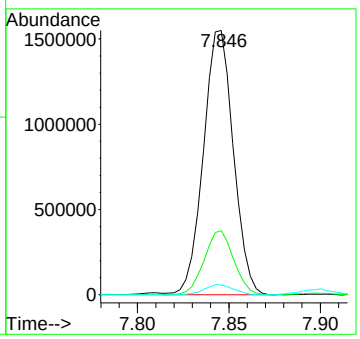


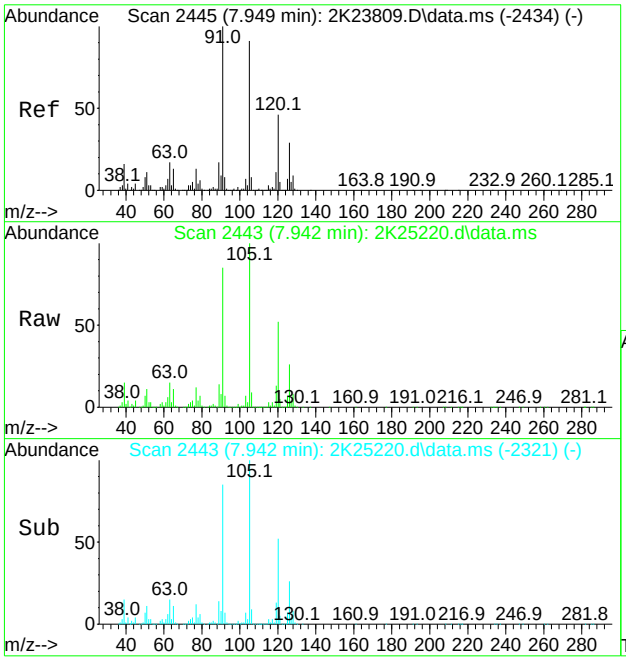


#102
n-propylbenzene
Concen: 48.7900 ug/L
RT: 7.846 min Scan# 2413
Delta R.T. -0.003 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion: 91 Resp: 1773081

Ion	Ratio	Lower	Upper
91	100		
120	24.3	0.0	52.7
105	3.7	0.0	34.0

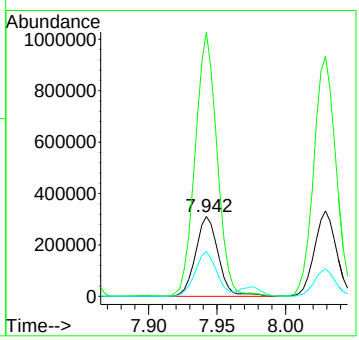


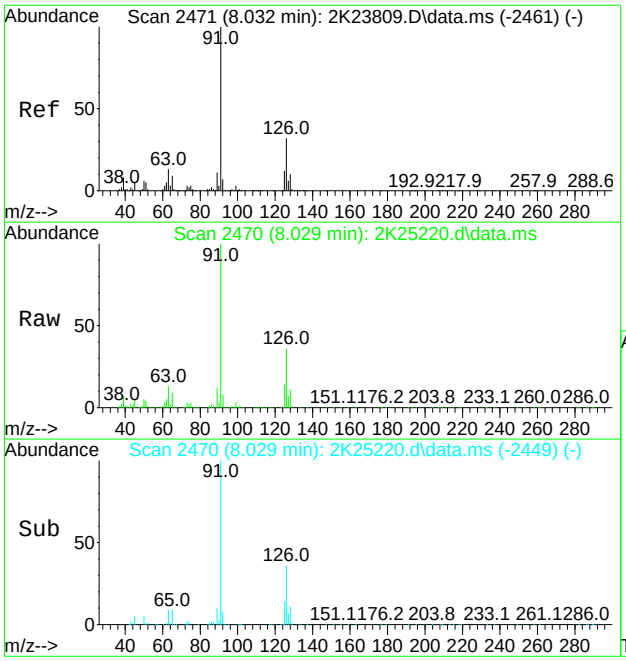


#103
2-chlorotoluene
Concen: 48.1926 ug/L
RT: 7.942 min Scan# 2443
Delta R.T. -0.007 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion:126 Resp: 358170

Ion	Ratio	Lower	Upper
126	100		
91	330.7	309.9	369.9
89	56.0	27.7	87.7

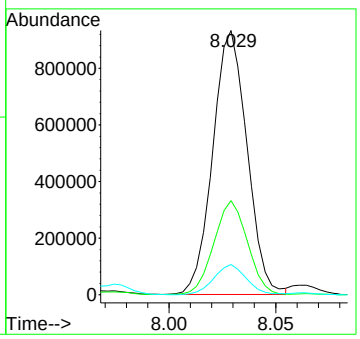


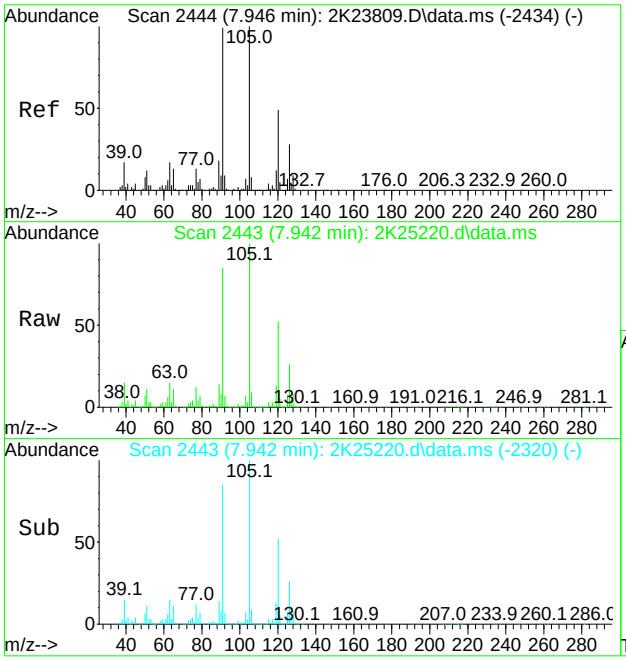


#104
4-chlorotoluene
Concen: 43.7791 ug/L
RT: 8.029 min Scan# 2470
Delta R.T. -0.003 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion: 91 Resp: 1042293

Ion	Ratio	Lower	Upper
91	100		
126	35.5	1.8	61.8
89	11.5	0.0	41.0

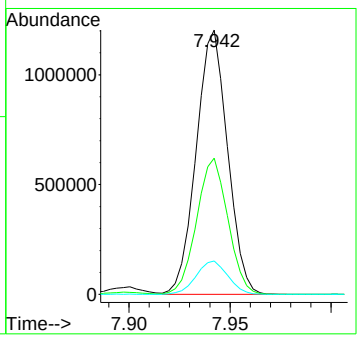


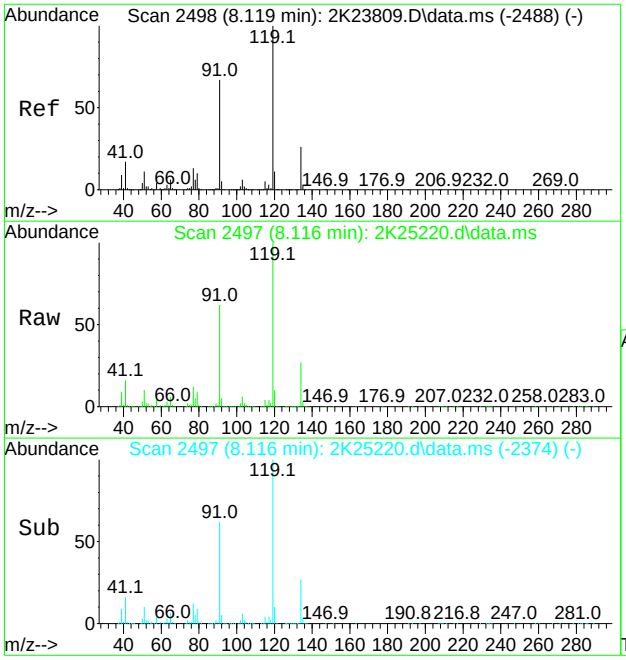


#105
1,3,5-trimethylbenzene
Concen: 52.1903 ug/L
RT: 7.942 min Scan# 2443
Delta R.T. -0.004 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion:105 Resp: 1295722

Ion	Ratio	Lower	Upper
105	100		
120	51.6	19.0	79.0
119	12.7	0.0	42.0

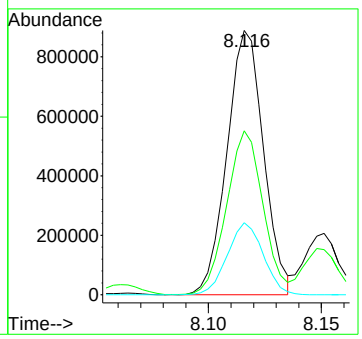


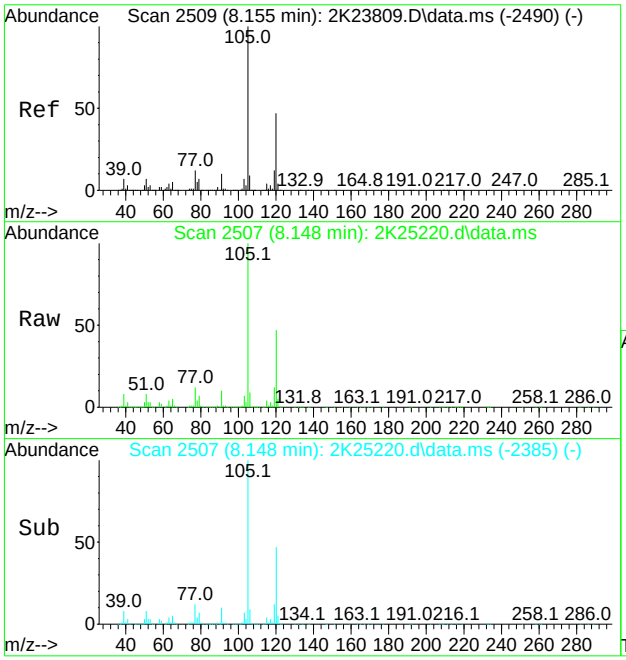


#106
tert-butylbenzene
Concen: 46.9621 ug/L
RT: 8.116 min Scan# 2497
Delta R.T. -0.003 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion:119 Resp: 999981

Ion	Ratio	Lower	Upper
119	100		
91	61.8	37.4	97.4
134	27.3	0.0	55.8

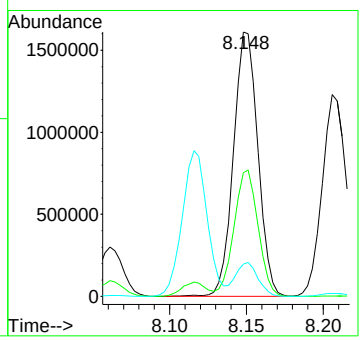


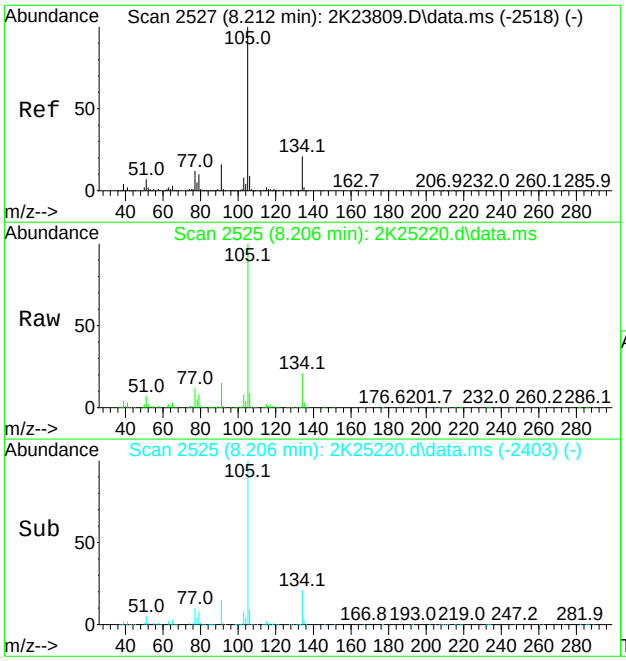


#107
1,2,4-trimethylbenzene
Concen: 72.0627 ug/L
RT: 8.148 min Scan# 2507
Delta R.T. -0.007 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion:105 Resp: 1776427

Ion	Ratio	Lower	Upper
105	100		
120	46.7	16.8	76.8
119	12.2	0.0	42.0

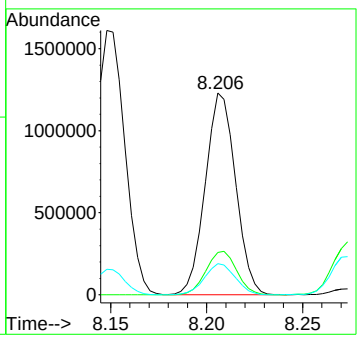


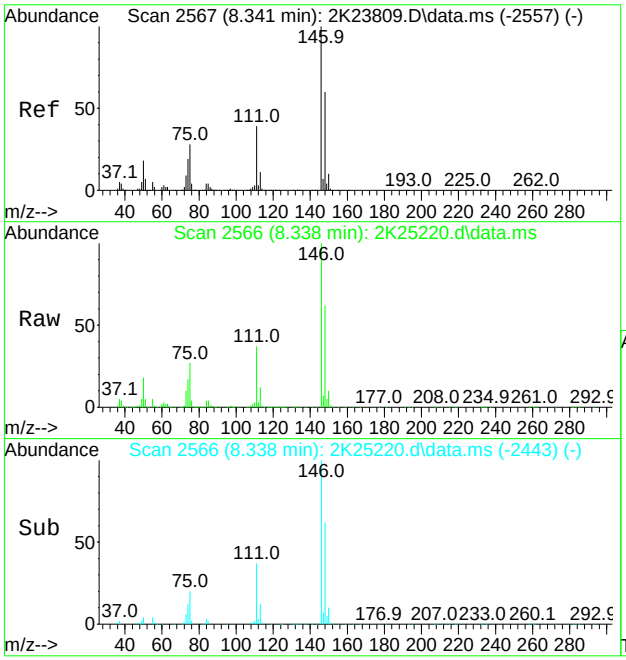


#108
sec-butylbenzene
Concen: 48.0168 ug/L
RT: 8.206 min Scan# 2525
Delta R.T. -0.006 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion:105 Resp: 1350549

Ion	Ratio	Lower	Upper
105	100		
134	21.0	0.0	51.4
91	15.5	0.0	45.7

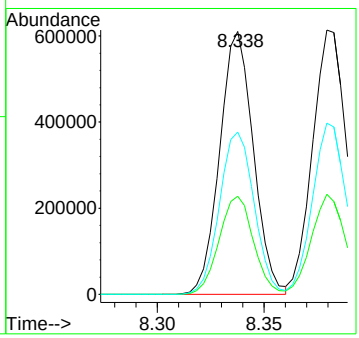


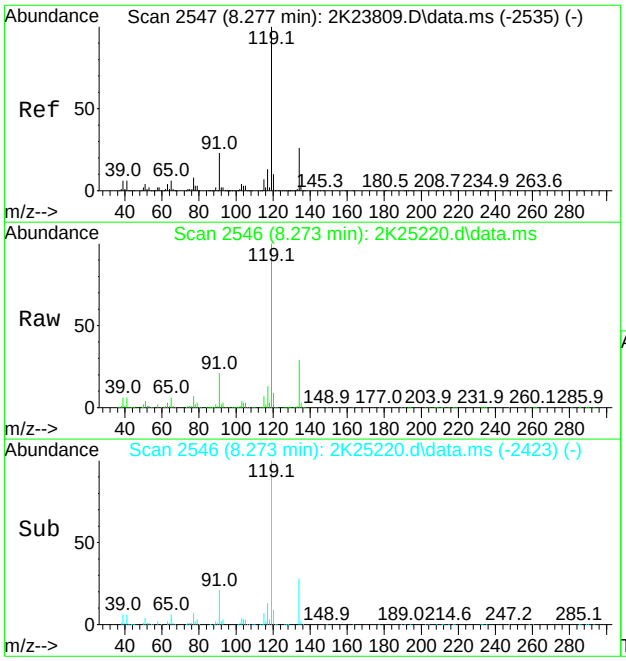


#109
1,3-dichlorobenzene
Concen: 45.7734 ug/L
RT: 8.338 min Scan# 2566
Delta R.T. -0.003 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion:146 Resp: 671314

Ion	Ratio	Lower	Upper
146	100		
111	37.4	8.6	68.6
148	61.7	29.8	89.8

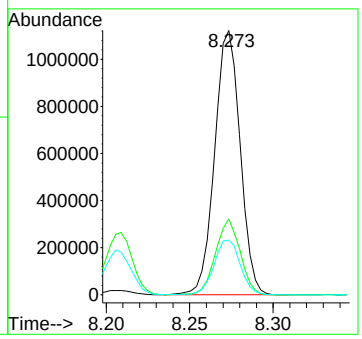


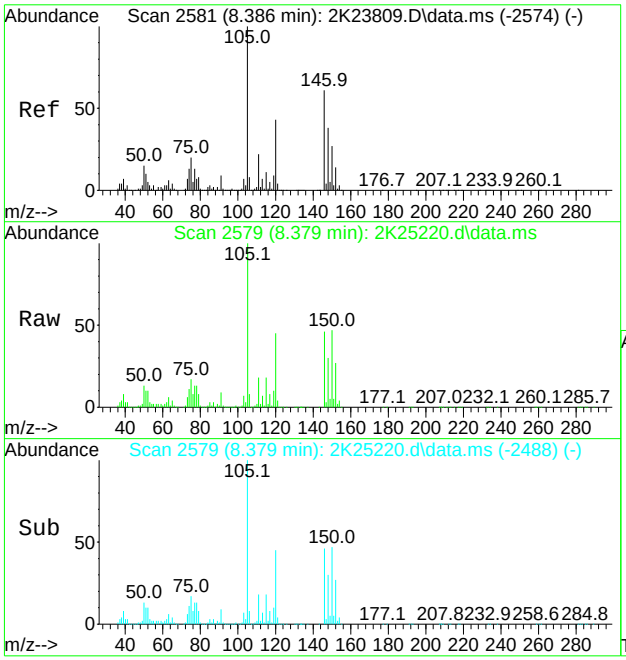


#110
p-isopropyltoluene
Concen: 48.4422 ug/L
RT: 8.273 min Scan# 2546
Delta R.T. -0.004 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion:119 Resp: 1187570

Ion	Ratio	Lower	Upper
119	100		
134	28.7	0.0	56.0
91	20.7	0.0	53.4

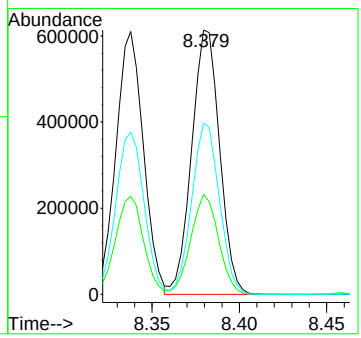


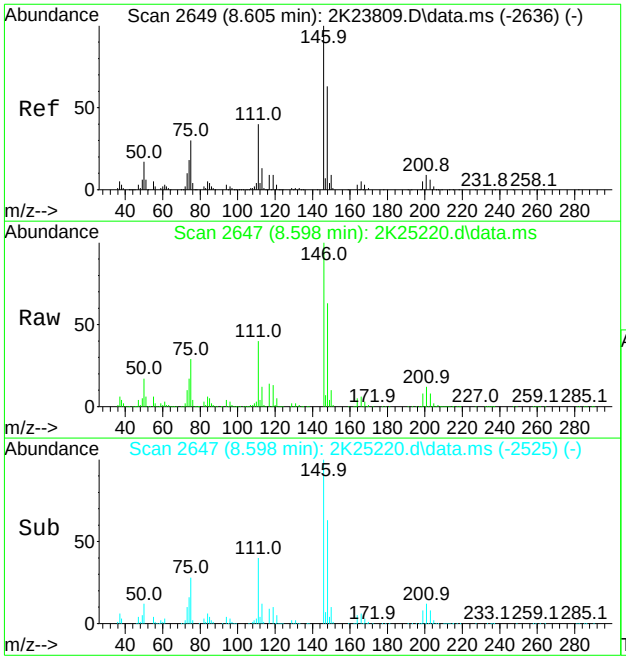


#111
1,4-dichlorobenzene
Concen: 46.8062 ug/L
RT: 8.379 min Scan# 2579
Delta R.T. -0.007 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion:146 Resp: 684369

Ion	Ratio	Lower	Upper
146	100		
111	37.8	6.3	66.3
148	64.8	32.9	92.9

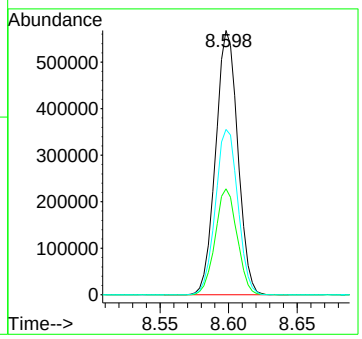


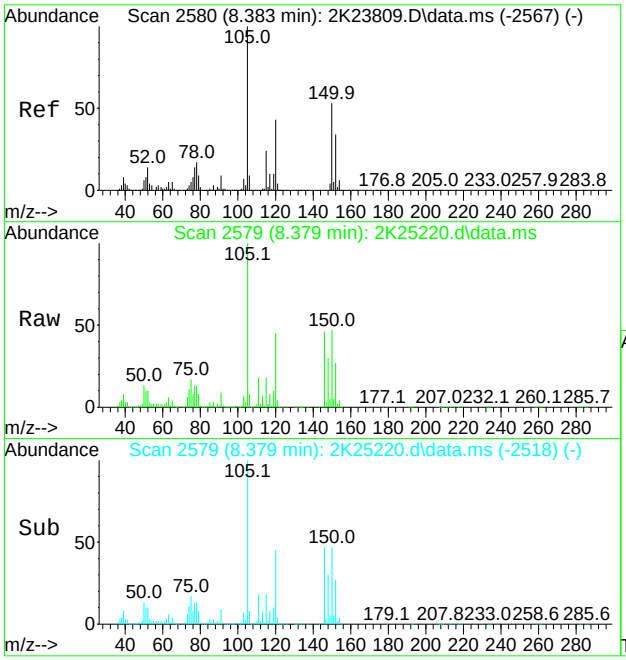


#112
1,2-dichlorobenzene
Concen: 45.6883 ug/L
RT: 8.598 min Scan# 2647
Delta R.T. -0.007 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion:146 Resp: 638419

Ion	Ratio	Lower	Upper
146	100		
111	40.1	10.0	70.0
148	62.5	33.3	93.3

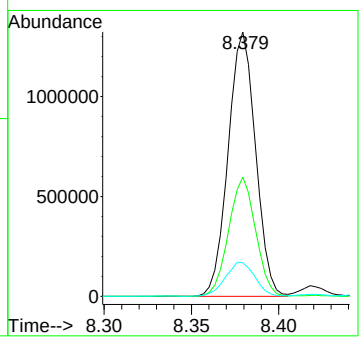


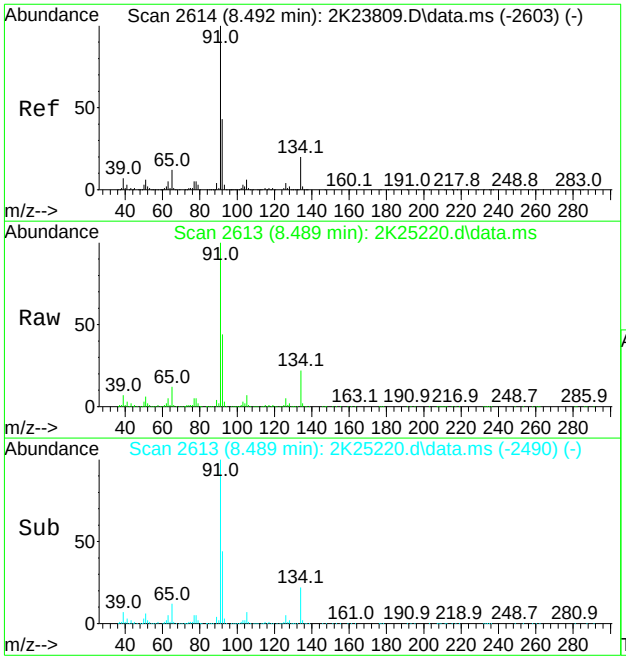


#113
1,2,3-trimethylbenzene
Concen: 56.1964 ug/L
RT: 8.379 min Scan# 2579
Delta R.T. -0.004 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion:105 Resp: 1445815

Ion	Ratio	Lower	Upper
105	100		
120	45.0	13.3	73.3
77	12.6	0.0	43.9

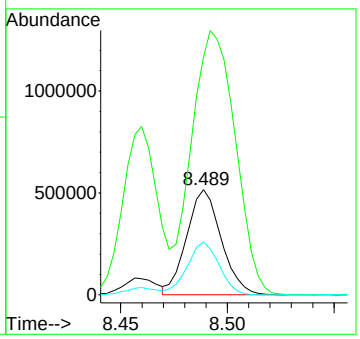


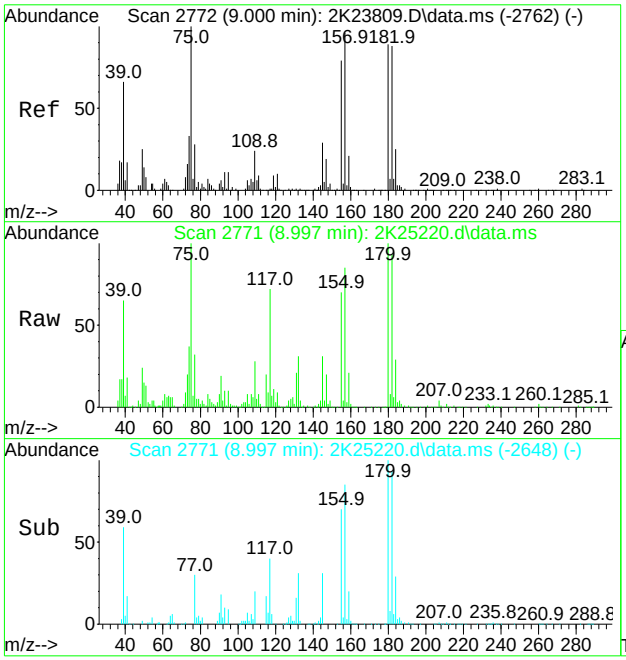


#114
n-butylbenzene
Concen: 47.6218 ug/L
RT: 8.489 min Scan# 2613
Delta R.T. -0.003 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion: 92 Resp: 581223

Ion	Ratio	Lower	Upper
92	100		
91	226.1	203.0	263.0
134	50.1	17.1	77.1

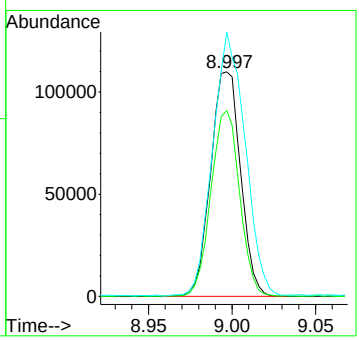


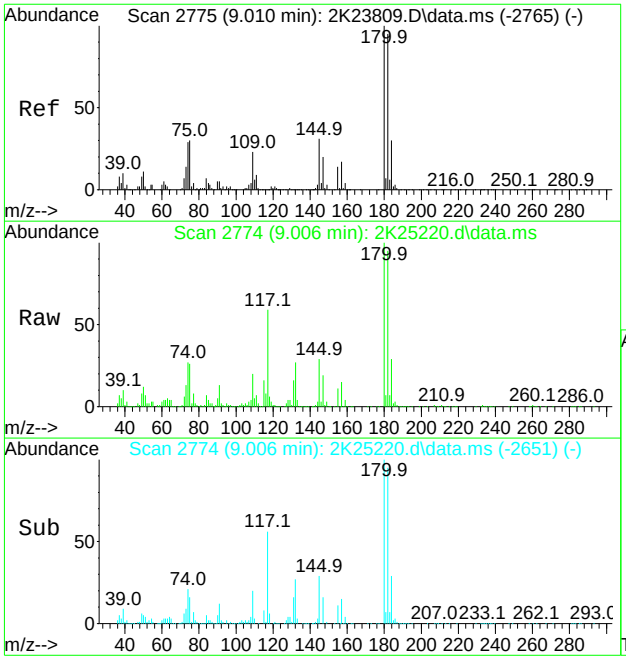


#115
1,2-dibromo-3-chloropropane
Concen: 42.9612 ug/L
RT: 8.997 min Scan# 2771
Delta R.T. -0.003 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion:157 Resp: 136933

Ion	Ratio	Lower	Upper
157	100		
155	82.5	52.3	112.3
75	117.6	74.2	134.2

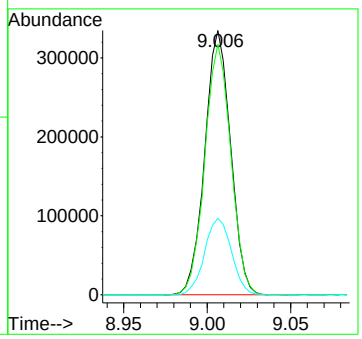


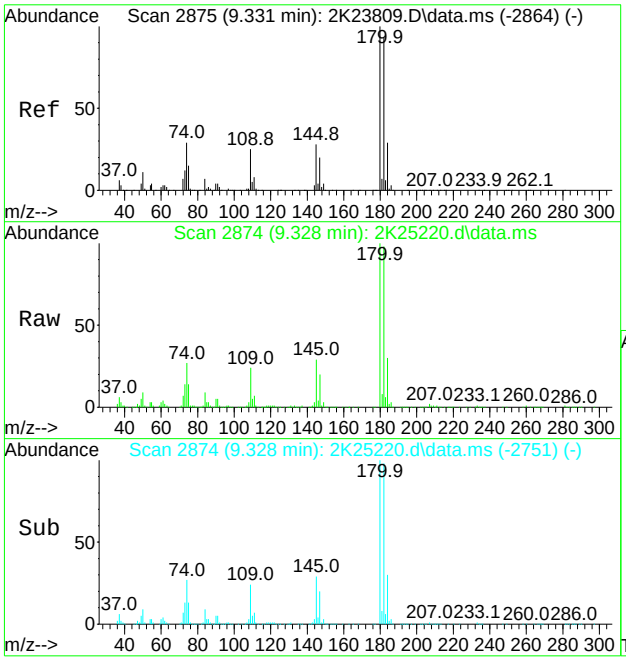


#116
1,3,5-trichlorobenzene
Concen: 44.8729 ug/L
RT: 9.006 min Scan# 2774
Delta R.T. -0.004 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion:180 Resp: 360480

Ion	Ratio	Lower	Upper
180	100		
182	94.7	74.7	114.7
184	28.9	9.9	49.9

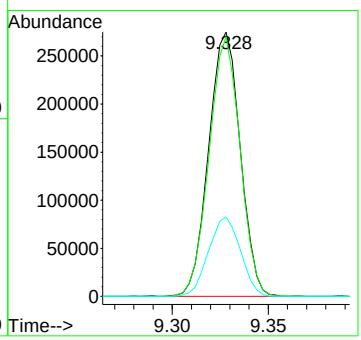


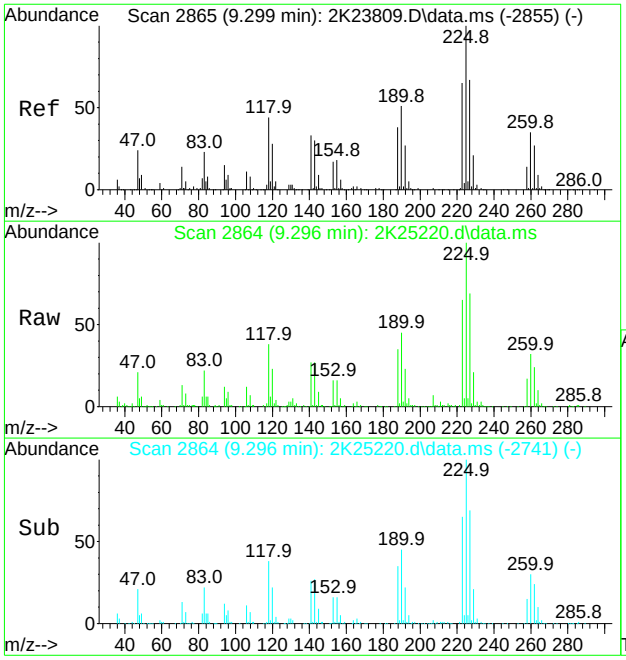


#117
1,2,4-trichlorobenzene
Concen: 44.6188 ug/L
RT: 9.328 min Scan# 2874
Delta R.T. -0.003 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion:180 Resp: 314919

Ion	Ratio	Lower	Upper
180	100		
182	98.1	63.0	123.0
184	30.0	0.0	59.0

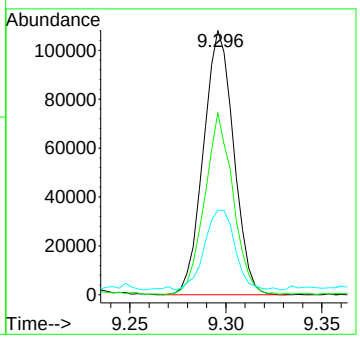


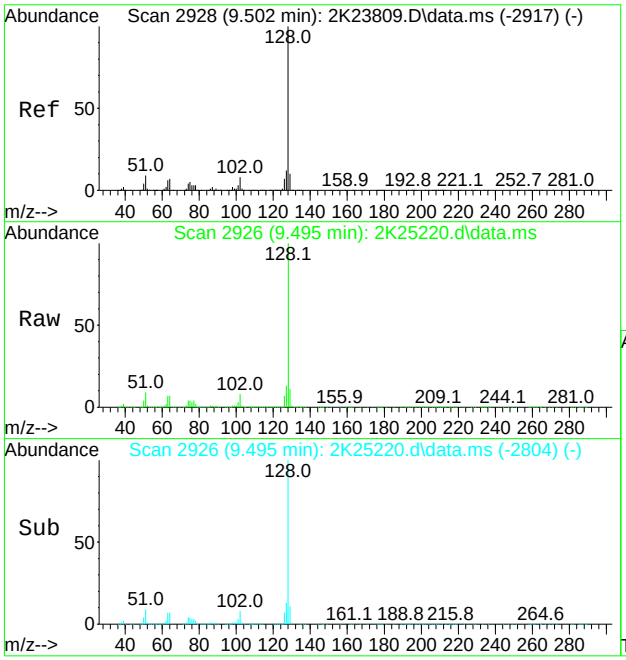


#118
hexachlorobutadiene
Concen: 45.5280 ug/L
RT: 9.296 min Scan# 2864
Delta R.T. -0.003 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion:225 Resp: 118422

Ion	Ratio	Lower	Upper
225	100		
227	68.6	36.8	96.8
260	30.0	5.2	65.2

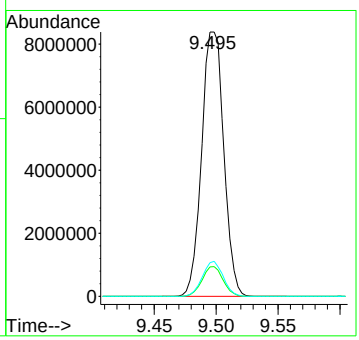


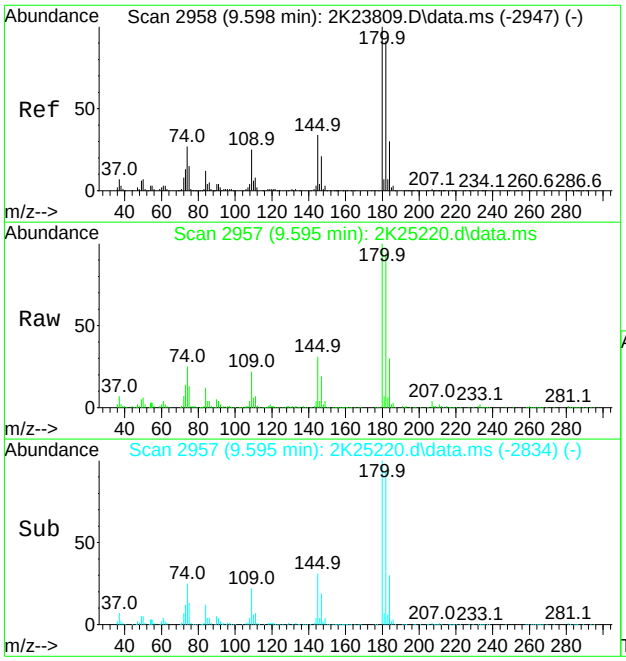


#119
naphthalene
Concen: 415.3911 ug/L
RT: 9.495 min Scan# 2926
Delta R.T. -0.007 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion:128 Resp:10426679

Ion	Ratio	Lower	Upper
128	100		
129	11.1	0.0	40.4
127	12.7	0.0	42.1

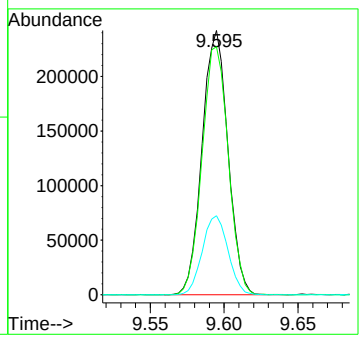


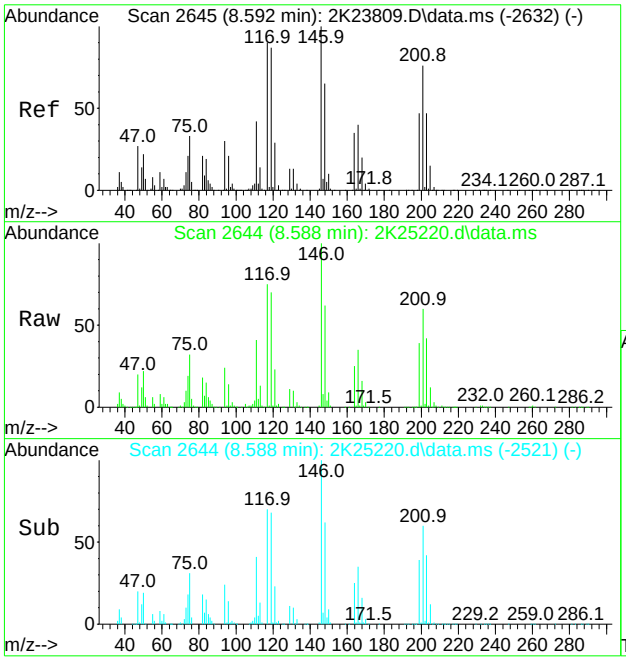


#120
1,2,3-trichlorobenzene
Concen: 43.8673 ug/L
RT: 9.595 min Scan# 2957
Delta R.T. -0.003 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion:180 Resp: 293730

Ion	Ratio	Lower	Upper
180	100		
182	93.8	60.8	120.8
184	29.9	0.3	60.3

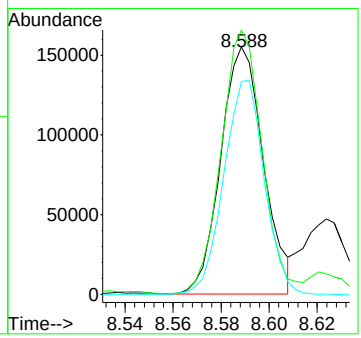


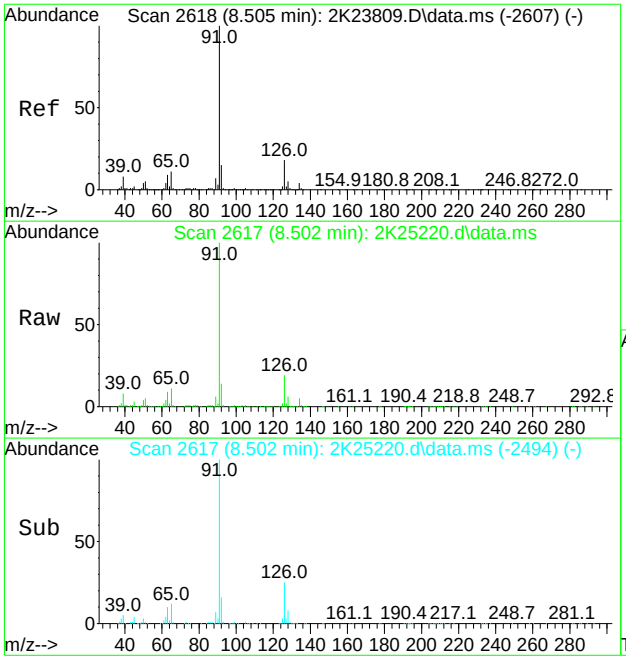


#121
hexachloroethane
Concen: 43.0875 ug/L
RT: 8.588 min Scan# 2644
Delta R.T. -0.004 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion:119 Resp: 191235

Ion	Ratio	Lower	Upper
119	100		
117	106.7	72.5	132.5
201	86.1	56.6	116.6

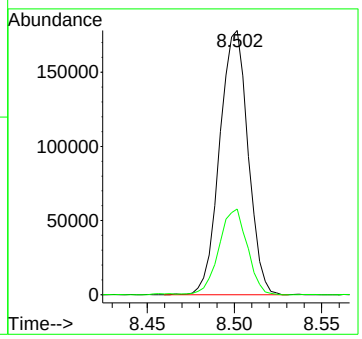


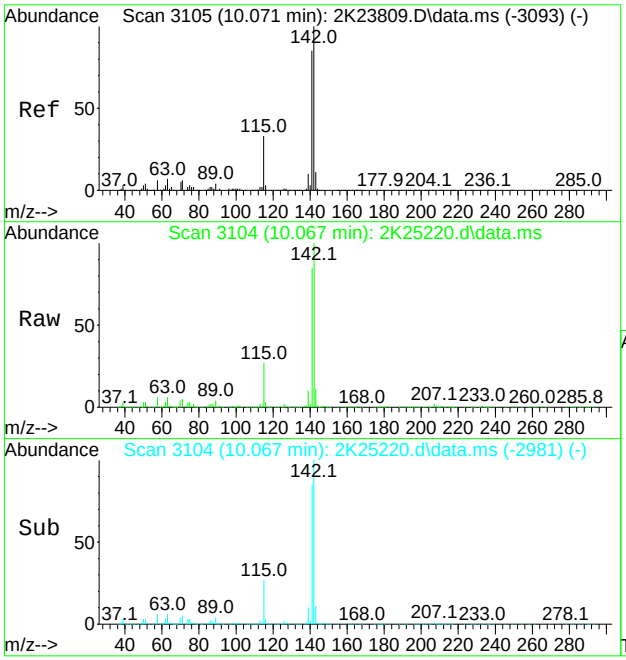


#122
benzyl chloride
Concen: 43.7323 ug/L
RT: 8.502 min Scan# 2617
Delta R.T. -0.003 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion:126 Resp: 201611

Ion	Ratio	Lower	Upper
126	100		
128	32.4	1.1	61.1

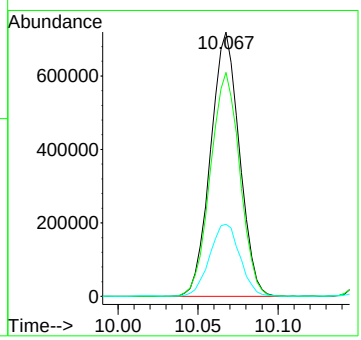




#123
2-methylnaphthalene
Concen: 73.0369 ug/L
RT: 10.067 min Scan# 3104
Delta R.T. -0.004 min
Lab File: 2K25220.d
Acq: 18 Oct 2025 2:25 am

Tgt Ion:142 Resp: 901571

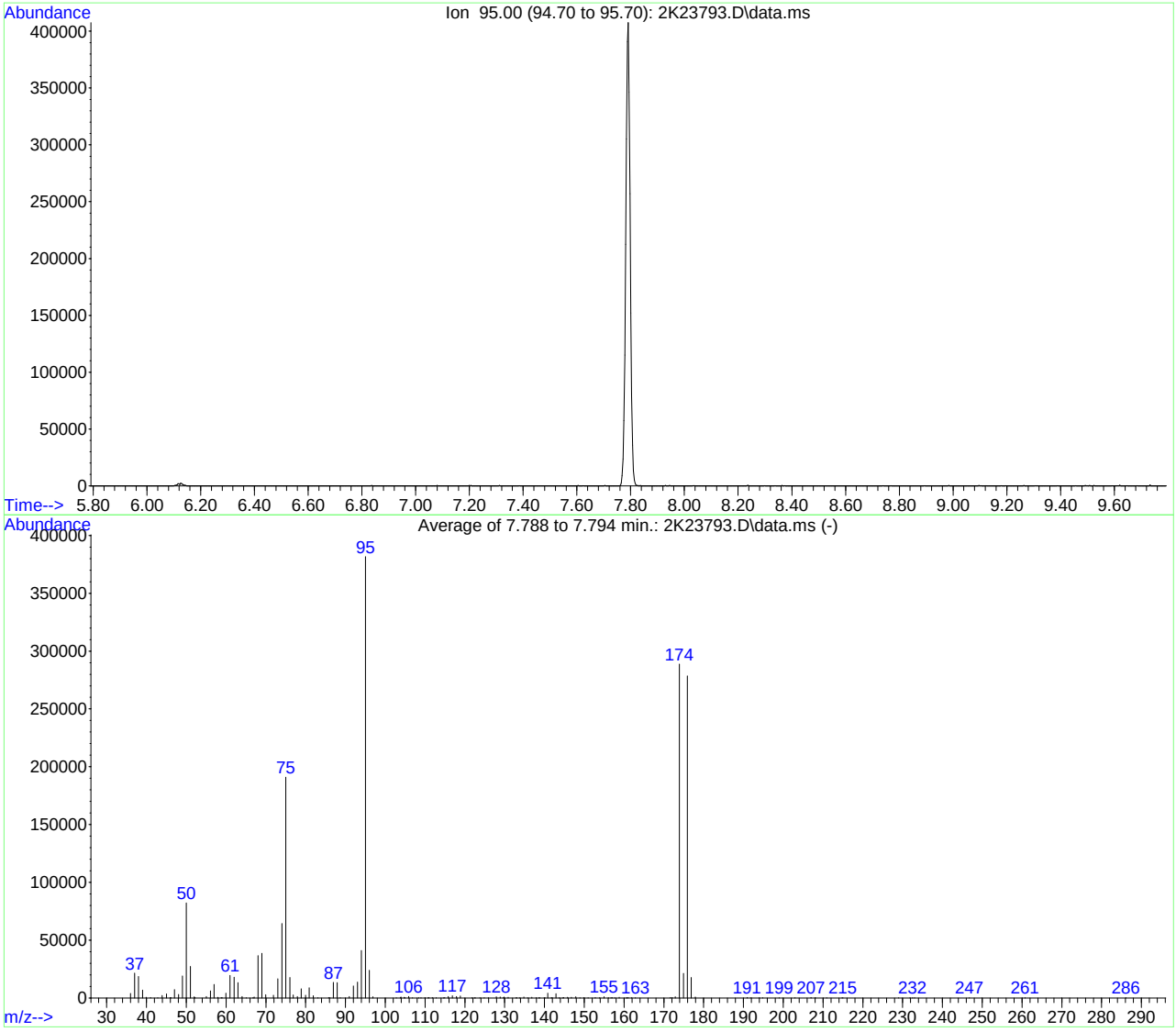
Ion	Ratio	Lower	Upper
142	100		
141	84.7	54.5	114.5
115	27.1	3.3	63.3



SW-846 Method 8260

Data File : C:\msdchem\1\data\Initials\VK658\2K23793.D Vial: 2
Acq On : 5 Sep 2025 8:36 pm Operator: PrashanS
Sample : BFB Inst : GCMSK
Misc : MS95614,V2K658,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M1K658.M (RTE Integrator)
Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um



AutoFind: Scans 2395, 2396, 2397; Background Corrected with Scan 2383

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.5	82200	PASS
75	95	30	60	50.0	190865	PASS
95	95	100	100	100.0	381696	PASS
96	95	5	9	6.3	23880	PASS
173	174	0.00	2	0.3	947	PASS
174	95	50	120	75.6	288725	PASS
175	174	5	9	7.3	21168	PASS
176	174	95	101	96.4	278464	PASS
177	176	5	9	6.3	17675	PASS

2K23793.D M1K658.M Mon Sep 08 12:05:23 2025

Average of 7.788 to 7.794 min.: 2K23793.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	3836	47.00	7282	58.80	333	69.00	38693
37.00	21416	48.05	3021	58.95	277	69.95	2737
38.00	18635	49.00	19060	59.95	4016	71.90	2290
39.00	6746	50.00	82200	61.00	19485	73.00	16603
39.90	567	51.00	27323	62.00	17917	74.00	64429
41.00	292	52.00	1080	63.00	13246	75.00	190865
42.80	79	52.20	300	64.00	1317	76.00	17603
43.95	2135	55.05	1214	65.05	226	76.90	2543
45.00	3555	56.05	6084	66.80	265	77.90	1233
45.90	129	57.00	11613	67.05	701	78.90	7943
46.15	275	57.95	476	68.00	36635	79.95	2454

Average of 7.788 to 7.794 min.: 2K23793.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
80.90	8724	94.00	41139	108.40	175	117.90	1185
81.90	1893	95.00	381696	109.00	119	118.85	1763
83.05	191	96.00	23880	109.95	213	121.80	74
85.80	320	96.90	964	110.80	215	122.40	166
86.10	158	102.80	102	110.95	281	122.60	87
86.95	13506	103.80	459	111.80	344	123.80	82
87.95	13258	103.95	722	112.80	130	124.90	76
88.70	156	104.75	490	114.60	180	125.90	236
90.95	1197	105.00	232	114.95	355	127.90	1019
92.00	10258	105.85	1193	115.85	1279	128.85	756
93.00	13621	106.85	213	116.85	1926	129.70	378

Average of 7.788 to 7.794 min.: 2K23793.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
129.85	750	139.90	167	147.85	980	158.80	587
130.85	643	140.10	148	148.90	214	160.60	83
132.80	66	140.85	4018	149.95	399	160.80	202
133.10	127	141.70	146	151.00	106	161.05	351
133.70	99	141.90	428	152.75	369	161.90	69
134.80	695	142.90	3705	153.80	127	162.85	156
135.80	112	143.70	170	154.95	1113	171.65	454
136.85	636	144.60	142	156.10	64	172.10	388
137.90	74	144.85	269	156.70	184	172.90	947
138.55	119	145.80	474	156.95	409	173.90	288725
138.80	109	146.75	512	157.60	71	174.95	21168

Average of 7.788 to 7.794 min.: 2K23793.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
175.90	278464	210.90	138				
176.90	17675	214.80	20				
177.90	749	215.00	78				
190.95	254	229.00	73				
191.90	104	231.85	23				
194.00	142	232.50	141				
194.85	202	233.00	139				
199.00	61	246.80	65				
203.00	146	260.80	100				
206.95	326	286.10	67				
208.05	254						

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 2K23795.D
Acq On : 5 Sep 2025 9:24 pm
Operator : PrashanS
Sample : IC658-0.2
Misc : MS95614,V2K658,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 12:28:46 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 12:10:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.502	65	692814	500.00	ug/L		0.00
5) pentafluorobenzene	4.811	168	727185	50.00	ug/L		0.00
50) 1,4-difluorobenzene	5.174	114	1129810	50.00	ug/L		0.00
72) chlorobenzene-d5	7.110	117	932065	50.00	ug/L		0.00
96) 1,4-dichlorobenzene-d4	8.376	152	457515	50.00	ug/L		0.00
124) pentafluorobenzene(a)	4.811	168	727185	50.00	ug/L		0.00
128) 1,4-dichlorobenzene-d4(a)	8.376	152	457515	50.00	ug/L		0.00
System Monitoring Compounds							
42) dibromofluoromethane (s)	4.531	113	308321	49.45	ug/L		0.00
Spiked Amount 50.000	Range 75 - 127		Recovery = 98.90%				
51) 1,2-dichloroethane-d4 (s)	4.881	65	405205	53.11	ug/L		0.00
Spiked Amount 50.000	Range 75 - 130		Recovery = 106.22%				
73) toluene-d8 (s)	6.122	98	1289297	50.29	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.58%				
97) 4-bromofluorobenzene (s)	7.791	95	470799	49.20	ug/L		0.00
Spiked Amount 50.000	Range 79 - 127		Recovery = 98.40%				
Target Compounds							Qvalue
8) chloromethane	1.926	50	1654	0.1912	ug/L		79
9) vinyl chloride	1.978	62	1488	0.2015	ug/L		51
12) chloroethane	2.370	64	740	0.1946	ug/L		65
13) trichlorofluoromethane	2.496	101	2022	0.2014	ug/L		78
14) ethyl ether	2.730	74	762	0.2179	ug/L	#	41
24) methyl tert butyl ether	3.515	73	3925	0.2149	ug/L	#	44
25) trans-1,2-dichloroethene	3.463	96	1210	0.2281	ug/L	#	60
27) di-isopropyl ether	3.766	45	5185	0.2144	ug/L		99
28) ethyl tert-butyl ether	4.016	59	4464	0.2030	ug/L		83
30) 1,1-dichloroethane	3.881	63	2341	0.2110	ug/L		89
31) chloroprene	3.862	53	2615	0.2108	ug/L		73
36) cis-1,2-dichloroethene	4.245	96	1173	0.2107	ug/L	#	68
44) 1,1,1-trichloroethane	4.566	97	2039	0.2330	ug/L		79
46) 1,1-dichloropropene	4.637	75	1537	0.1900	ug/L	#	57
52) iso-octane	4.688	57	4756	0.2184	ug/L		86
53) benzene	4.801	78	5051	0.2337	ug/L		94
60) trichloroethene	5.167	130	1118	0.2042	ug/L		73
64) 1,2-dichloropropane	5.515	63	1386	0.2306	ug/L		89
69) cis-1,3-dichloropropene	5.997	75	2054	0.2241	ug/L		95
70) 4-methyl-2-pentanone	6.383	58	2986	0.7456	ug/L	#	70
74) toluene	6.155	92	3139	0.2316	ug/L	#	80
77) 1,1,2-trichloroethane	6.540	83	893	0.2178	ug/L	#	57
79) 2-hexanone	6.907	58	3474	0.8030	ug/L		92
80) 1,3-dichloropropane	6.711	76	1945	0.2151	ug/L		70
81) butyl acetate	6.833	56	1147	0.1812	ug/L		89
82) dibromochloromethane	6.653	129	1114	0.2015	ug/L		91
83) 1,2-dibromoethane	6.817	107	891	0.1703	ug/L		94
84) n-butyl ether	7.013	57	6301	0.2151	ug/L		98
85) chlorobenzene	7.119	112	3156	0.2242	ug/L	#	14
86) 1,1,1,2-tetrachloroethane	7.158	131	841	0.1595	ug/L	#	35
88) m,p-xylene	7.203	106	3633	0.3690	ug/L	#	72
89) o-xylene	7.457	106	1916	0.2008	ug/L	#	51
90) styrene	7.479	104	2991	0.1829	ug/L		90
91) bromoform	7.518	173	934	0.2180	ug/L		79
92) butyl acrylate	7.524	55	3430	0.2093	ug/L		86
93) isopropylbenzene	7.624	105	4171	0.1736	ug/L	#	67
99) 1,1,2,2-tetrachloroethane	7.891	83	1733	0.2235	ug/L		89
102) n-propylbenzene	7.849	91	5457	0.1927	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 2K23795.D
Acq On : 5 Sep 2025 9:24 pm
Operator : PrashanS
Sample : IC658-0.2
Misc : MS95614,V2K658,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 12:28:46 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 12:10:19 2025
Response via : Initial Calibration

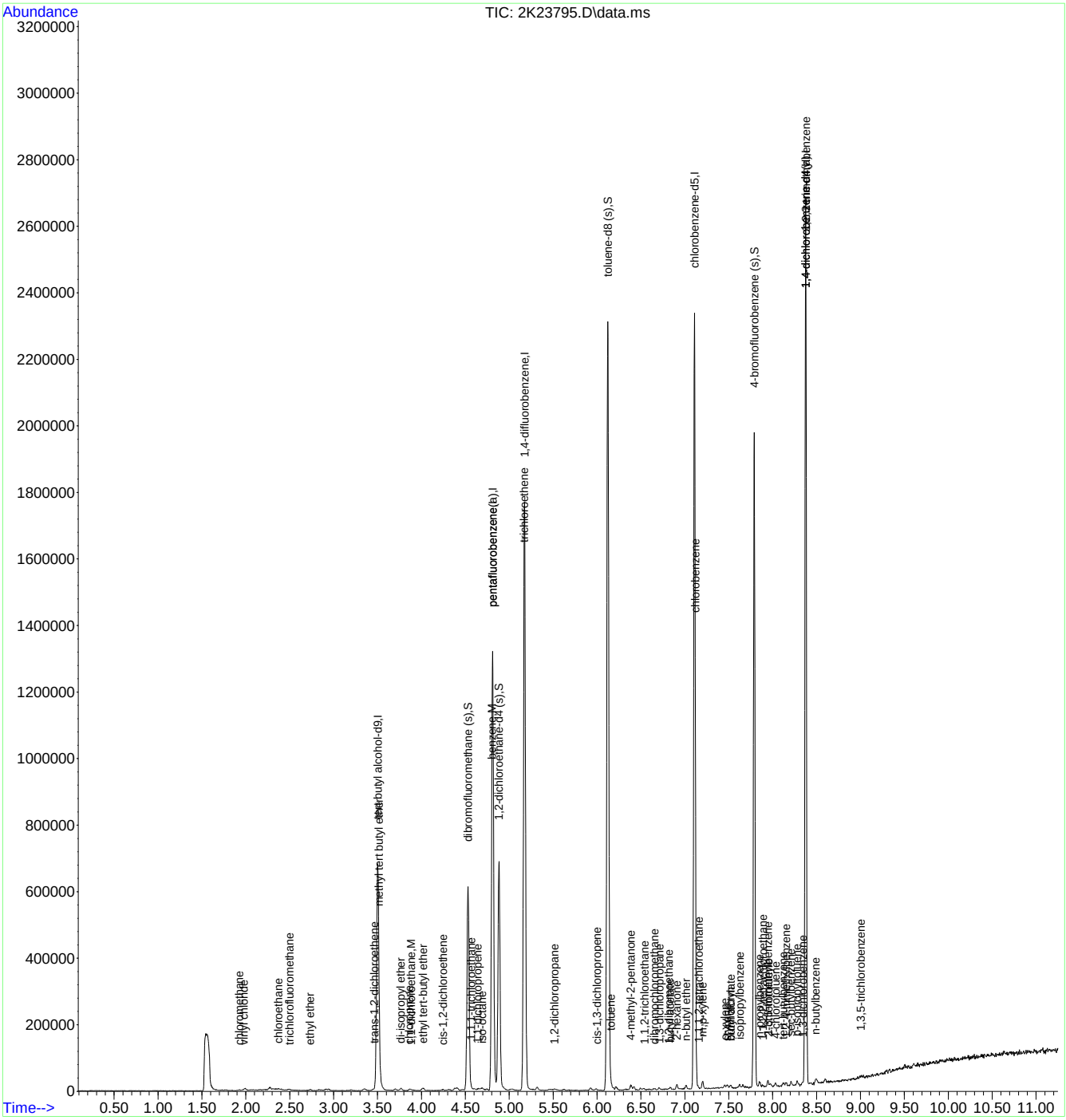
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
103) 2-chlorotoluene	7.952	126	1060	0.1857	ug/L	#	41
104) 4-chlorotoluene	8.036	91	3956	0.2178	ug/L		88
105) 1,3,5-trimethylbenzene	7.945	105	3940	0.2080	ug/L		91
106) tert-butylbenzene	8.119	119	3274	0.2016	ug/L		96
107) 1,2,4-trimethylbenzene	8.151	105	3745	0.1970	ug/L		92
108) sec-butylbenzene	8.209	105	3826	0.1716	ug/L		79
109) 1,3-dichlorobenzene	8.344	146	2106	0.1885	ug/L		86
110) p-isopropyltoluene	8.277	119	4167	0.2202	ug/L		83
113) 1,2,3-trimethylbenzene	8.380	105	4238	0.2190	ug/L	#	1
114) n-butylbenzene	8.489	92	1908	0.2003	ug/L	#	46
116) 1,3,5-trichlorobenzene	9.003	180	1301	0.2180	ug/L	#	57

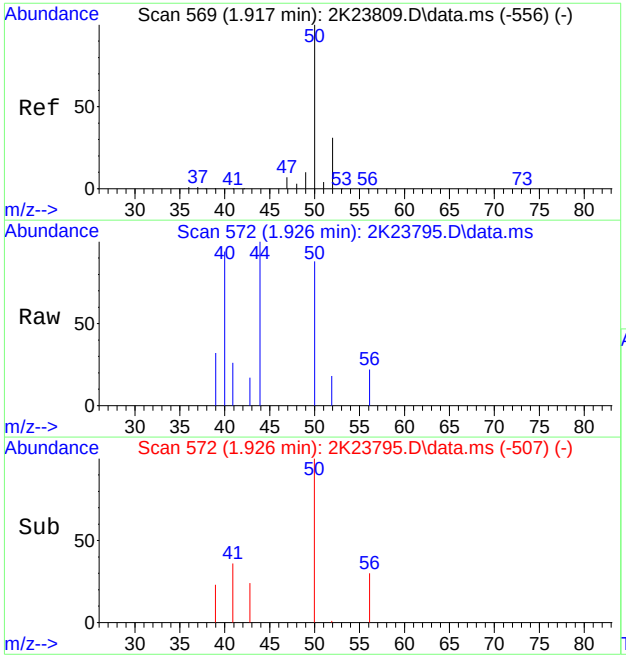
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 2K23795.D
Acq On : 5 Sep 2025 9:24 pm
Operator : PrashanS
Sample : IC658-0.2
Misc : MS95614,V2K658,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 12:28:46 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 12:10:19 2025
Response via : Initial Calibration

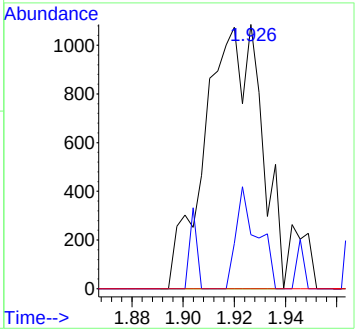


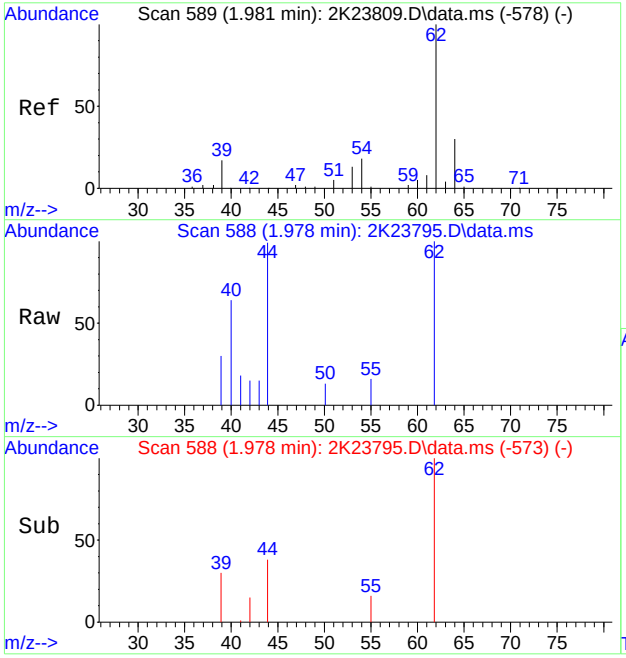


#8
chloromethane
Concen: 0.19 ug/L
RT: 1.926 min Scan# 572
Delta R.T. 0.010 min
Lab File: 2K23795.D
Acq: 5 Sep 2025 9:24 pm

Tgt Ion: 50 Resp: 1654

Ion	Ratio	Lower	Upper
50	100		
52	20.4	0.8	60.8
49	0.0	0.0	40.1

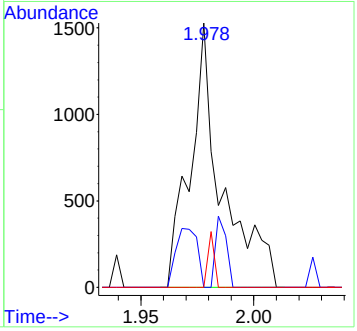


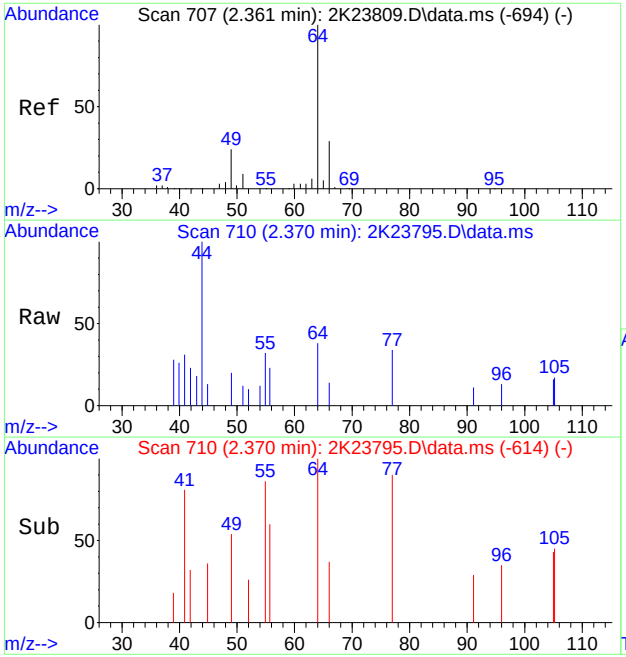


#9
vinyl chloride
Concen: 0.20 ug/L
RT: 1.978 min Scan# 588
Delta R.T. -0.003 min
Lab File: 2K23795.D
Acq: 5 Sep 2025 9:24 pm

Tgt Ion: 62 Resp: 1488

Ion	Ratio	Lower	Upper
62	100		
64	0.0	0.0	60.0
61	0.0	0.0	37.6

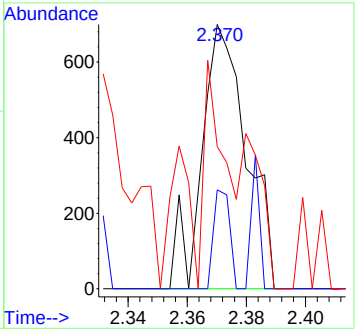


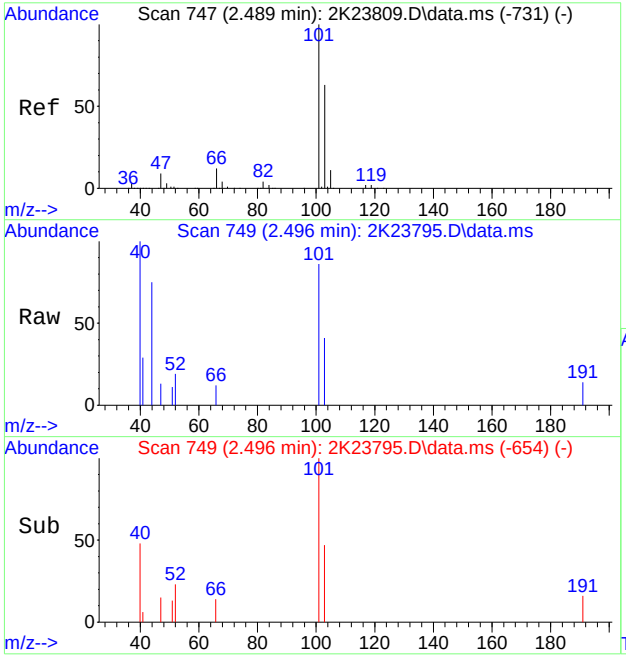


#12
chloroethane
Concen: 0.19 ug/L
RT: 2.370 min Scan# 710
Delta R.T. 0.010 min
Lab File: 2K23795.D
Acq: 5 Sep 2025 9:24 pm

Tgt Ion: 64 Resp: 740

Ion	Ratio	Lower	Upper
64	100		
66	37.4	0.0	59.3
49	53.7	0.0	54.3

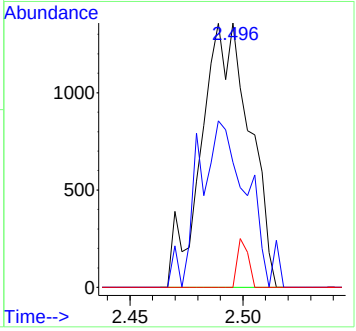


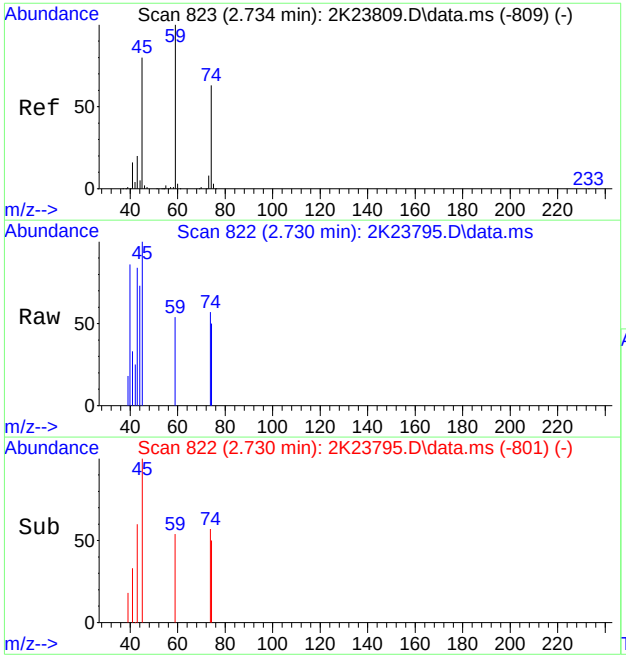


#13
trichlorofluoromethane
Concen: 0.20 ug/L
RT: 2.496 min Scan# 749
Delta R.T. 0.006 min
Lab File: 2K23795.D
Acq: 5 Sep 2025 9:24 pm

Tgt Ion:101 Resp: 2022

Ion	Ratio	Lower	Upper
101	100		
103	47.3	33.3	93.3
105	0.0	0.0	40.7

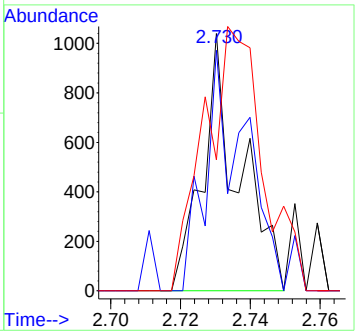


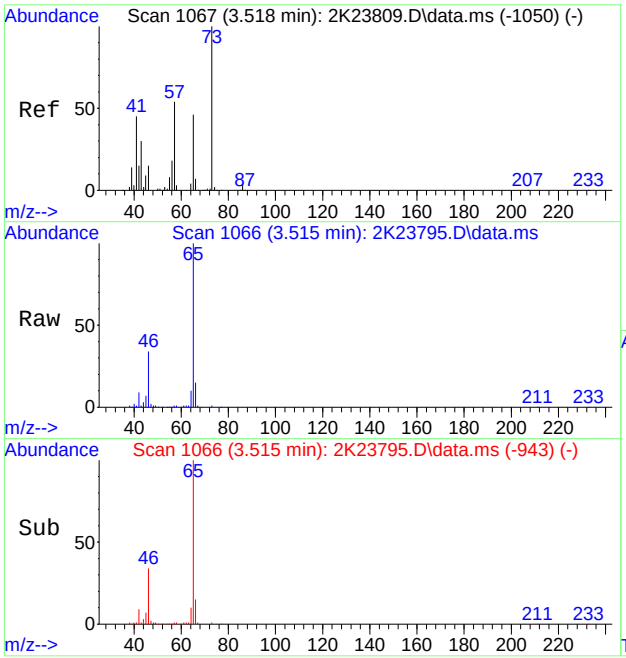


#14
ethyl ether
Concen: 0.22 ug/L
RT: 2.730 min Scan# 822
Delta R.T. -0.003 min
Lab File: 2K23795.D
Acq: 5 Sep 2025 9:24 pm

Tgt Ion: 74 Resp: 762

Ion	Ratio	Lower	Upper
74	100		
45	93.5	96.7	156.7#
59	50.9	128.9	188.9#

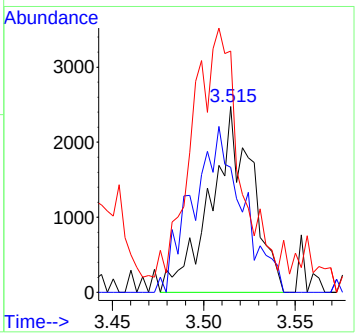


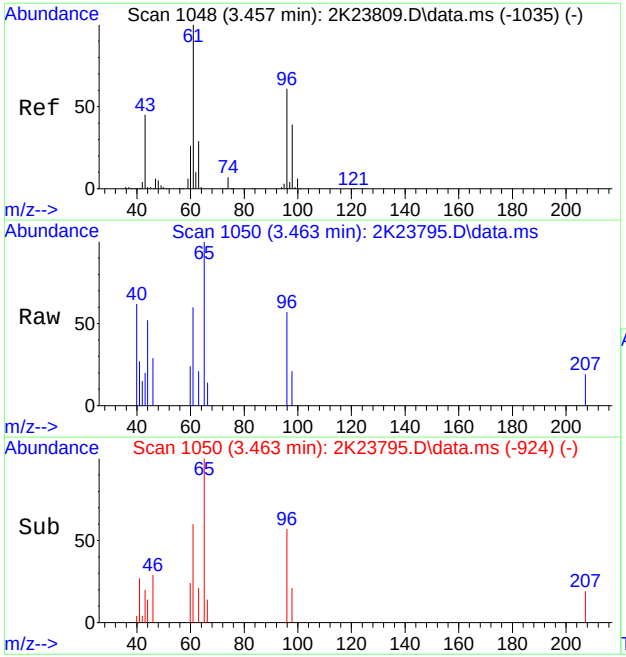


#24
methyl tert butyl ether
Concen: 0.21 ug/L
RT: 3.515 min Scan# 1066
Delta R.T. -0.003 min
Lab File: 2K23795.D
Acq: 5 Sep 2025 9:24 pm

Tgt Ion: 73 Resp: 3925

Ion	Ratio	Lower	Upper
73	100		
57	67.2	23.8	83.8
43	107.1	11.7	71.7#

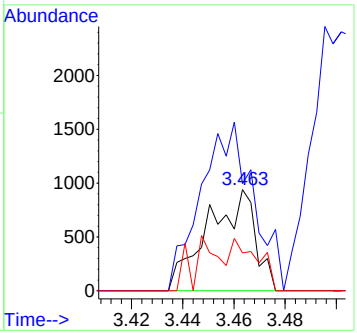


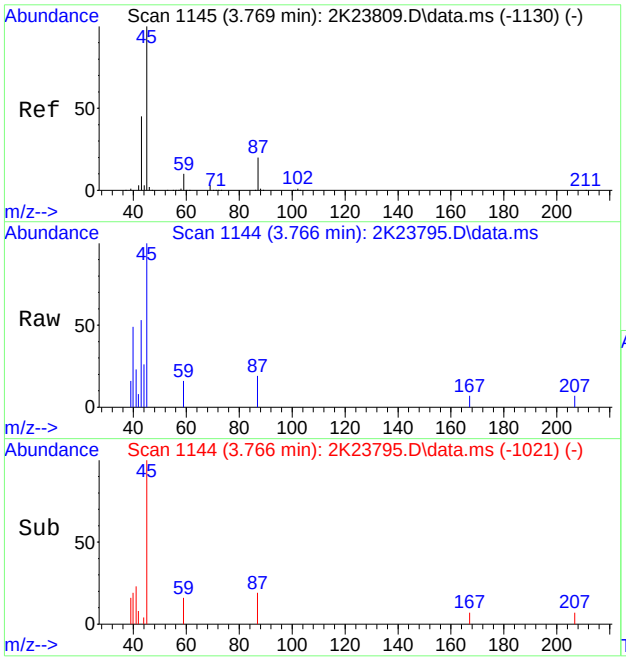


#25
trans-1,2-dichloroethene
Concen: 0.23 ug/L
RT: 3.463 min Scan# 1050
Delta R.T. 0.006 min
Lab File: 2K23795.D
Acq: 5 Sep 2025 9:24 pm

Tgt Ion: 96 Resp: 1210

Ion	Ratio	Lower	Upper
96	100		
61	105.7	132.8	192.8#
98	37.4	34.2	94.2

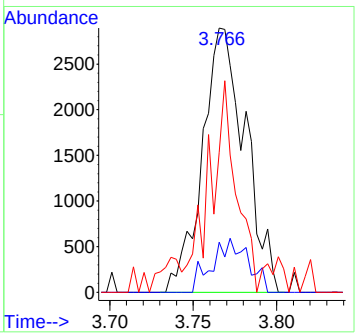


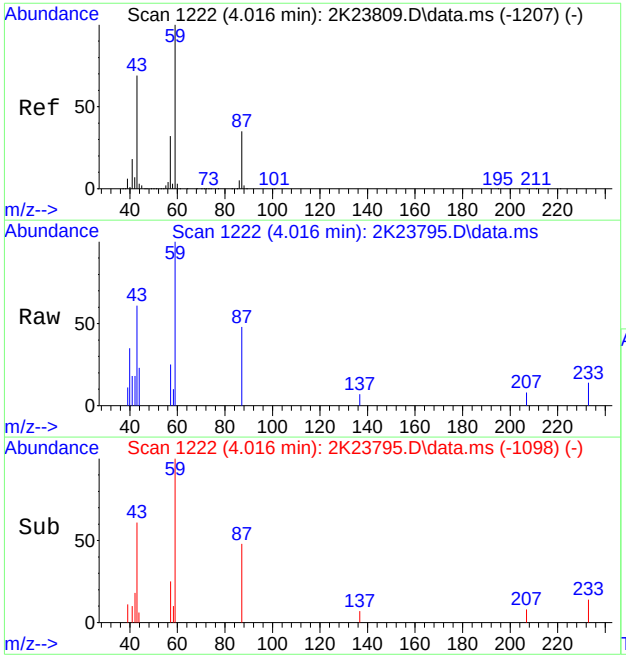


#27
di-isopropyl ether
Concen: 0.21 ug/L
RT: 3.766 min Scan# 1144
Delta R.T. -0.003 min
Lab File: 2K23795.D
Acq: 5 Sep 2025 9:24 pm

Tgt Ion: 45 Resp: 5185

Ion	Ratio	Lower	Upper
45	100		
87	19.0	0.0	49.8
43	45.2	15.4	75.4

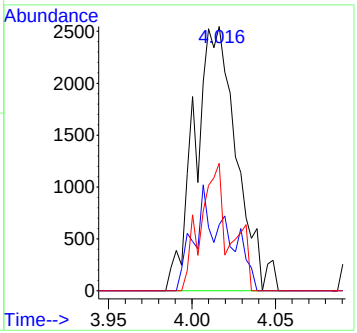


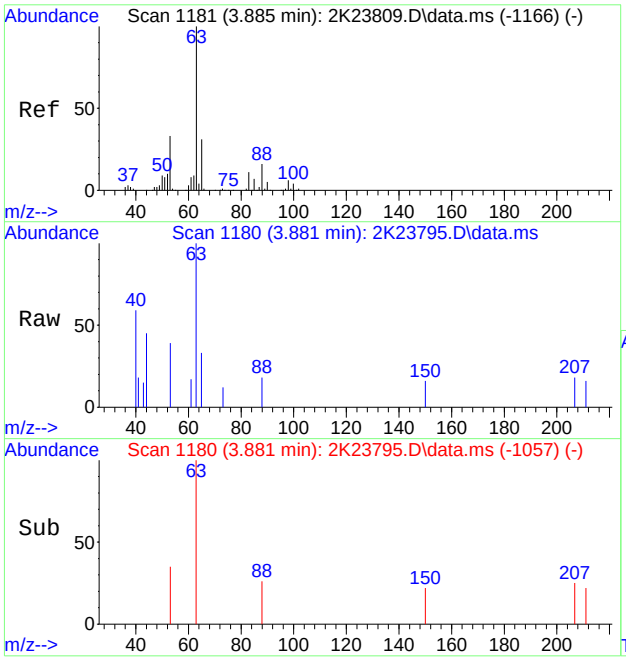


#28
ethyl tert-butyl ether
Concen: 0.20 ug/L
RT: 4.016 min Scan# 1222
Delta R.T. -0.000 min
Lab File: 2K23795.D
Acq: 5 Sep 2025 9:24 pm

Tgt Ion: 59 Resp: 4464

Ion	Ratio	Lower	Upper
59	100		
57	25.0	1.6	61.6
87	48.2	5.2	65.2

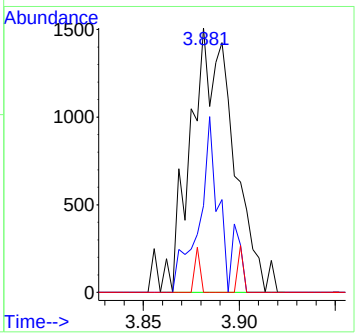


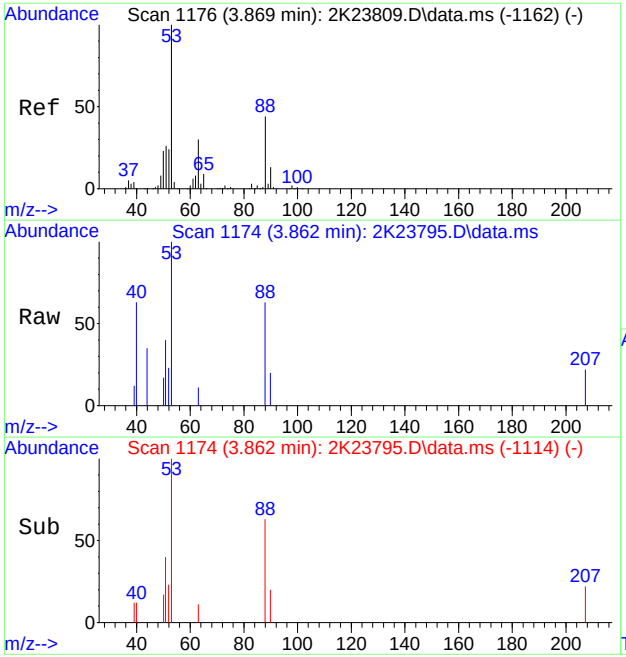


#30
1,1-dichloroethane
Concen: 0.21 ug/L
RT: 3.881 min Scan# 1180
Delta R.T. -0.003 min
Lab File: 2K23795.D
Acq: 5 Sep 2025 9:24 pm

Tgt Ion: 63 Resp: 2341

Ion	Ratio	Lower	Upper
63	100		
65	32.8	0.5	60.5
83	0.0	0.0	41.0

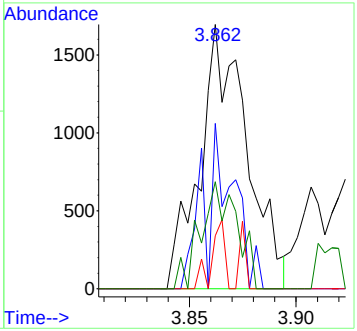


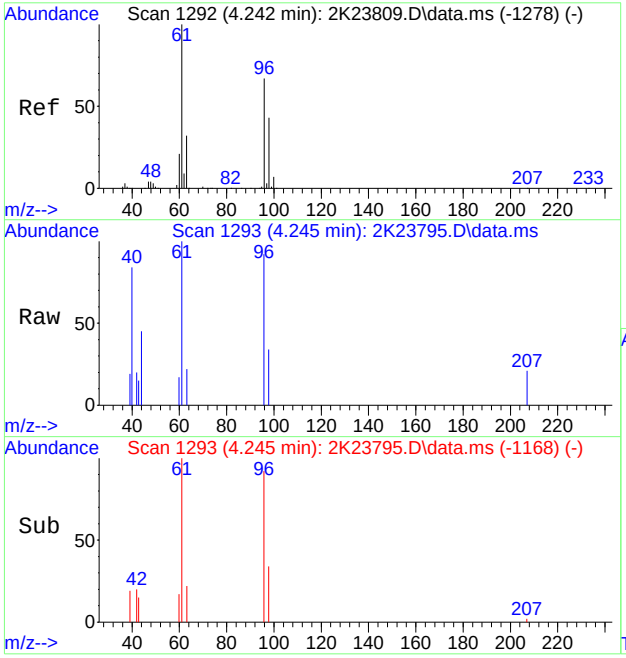


#31
chloroprene
Concen: 0.21 ug/L
RT: 3.862 min Scan# 1174
Delta R.T. -0.007 min
Lab File: 2K23795.D
Acq: 5 Sep 2025 9:24 pm

Tgt Ion: 53 Resp: 2615

Ion	Ratio	Lower	Upper
53	100		
88	62.5	14.2	74.2
90	20.0	0.0	42.9
51	40.4	0.0	55.9

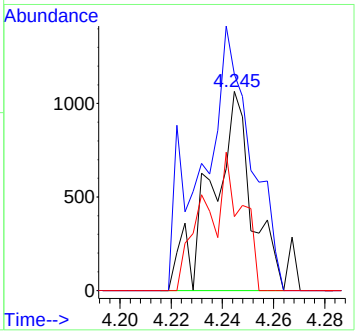


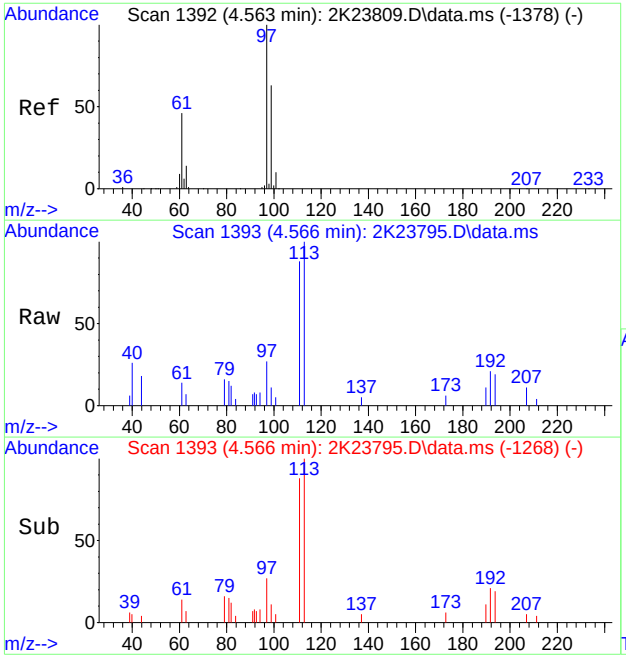


#36
cis-1,2-dichloroethene
Concen: 0.21 ug/L
RT: 4.245 min Scan# 1293
Delta R.T. 0.003 min
Lab File: 2K23795.D
Acq: 5 Sep 2025 9:24 pm

Tgt Ion: 96 Resp: 1173

Ion	Ratio	Lower	Upper
96	100		
61	108.6	118.2	178.2#
98	37.1	34.3	94.3

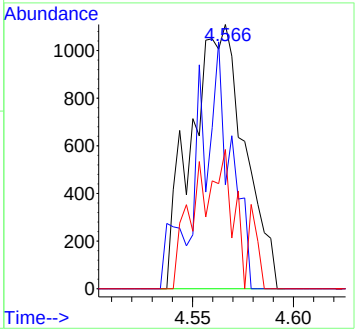


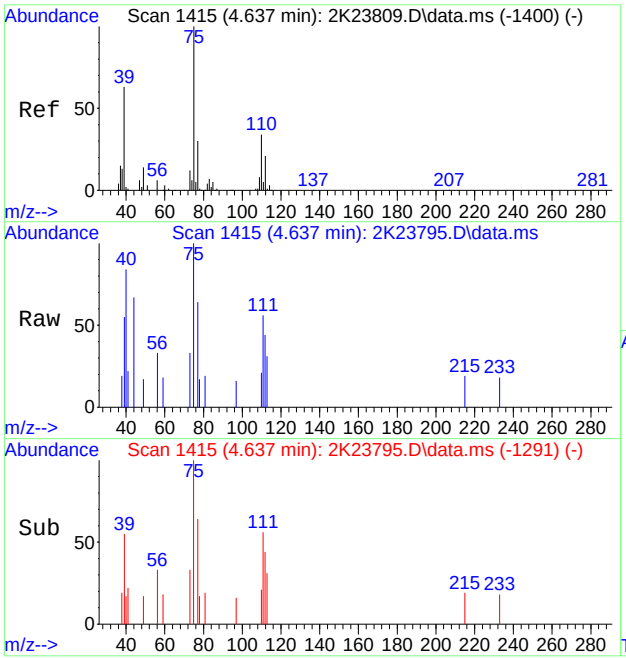


#44
1,1,1-trichloroethane
Concen: 0.23 ug/L
RT: 4.566 min Scan# 1393
Delta R.T. 0.003 min
Lab File: 2K23795.D
Acq: 5 Sep 2025 9:24 pm

Tgt Ion: 97 Resp: 2039

Ion	Ratio	Lower	Upper
97	100		
99	39.4	32.8	92.8
61	52.7	16.5	76.5

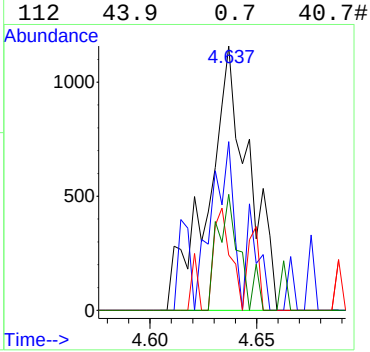


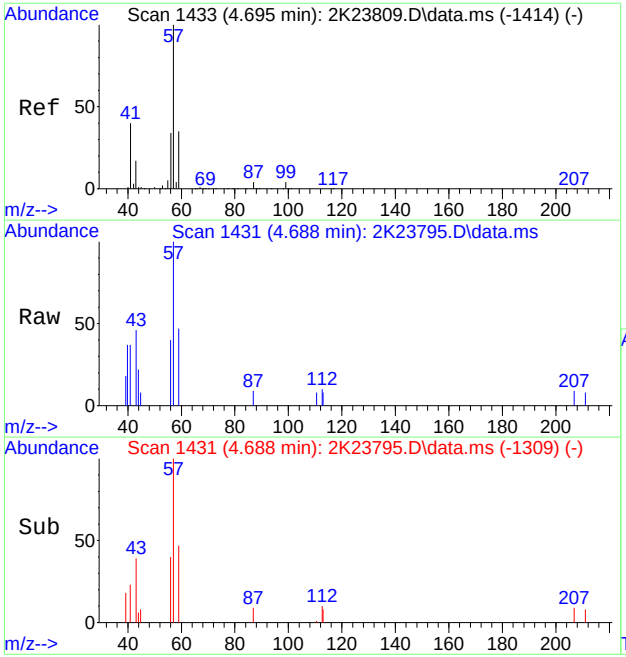


#46
1,1-dichloropropene
Concen: 0.19 ug/L
RT: 4.637 min Scan# 1415
Delta R.T. -0.000 min
Lab File: 2K23795.D
Acq: 5 Sep 2025 9:24 pm

Tgt Ion: 75 Resp: 1537

Ion	Ratio	Lower	Upper
75	100		
77	63.8	10.5	50.5#
110	20.9	14.4	54.4
112	43.9	0.7	40.7#

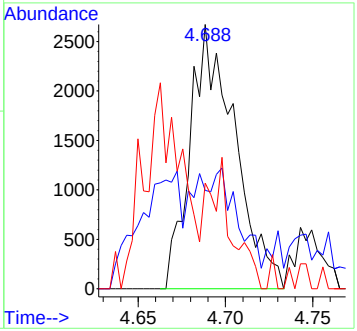


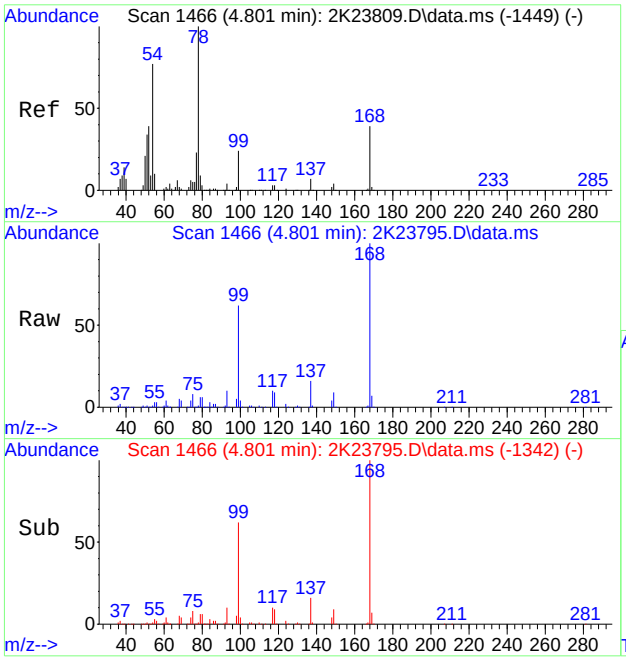


#52
iso-octane
Concen: 0.22 ug/L
RT: 4.688 min Scan# 1431
Delta R.T. -0.007 min
Lab File: 2K23795.D
Acq: 5 Sep 2025 9:24 pm

Tgt Ion: 57 Resp: 4756

Ion	Ratio	Lower	Upper
57	100		
41	29.4	19.7	59.7
56	40.0	14.3	54.3

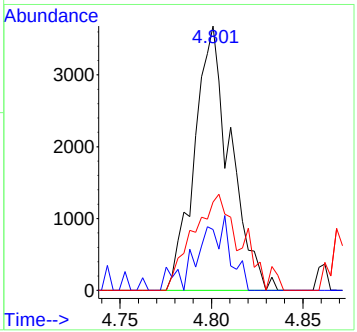


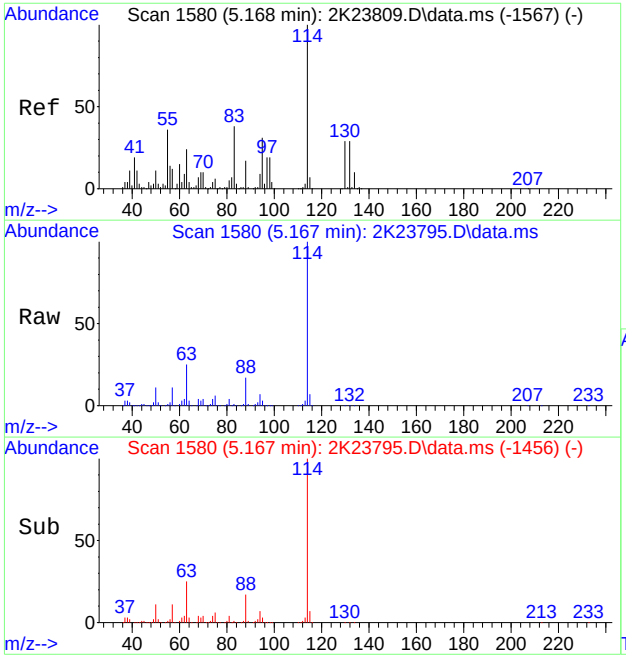


#53
benzene
Concen: 0.23 ug/L
RT: 4.801 min Scan# 1466
Delta R.T. -0.000 min
Lab File: 2K23795.D
Acq: 5 Sep 2025 9:24 pm

Tgt Ion: 78 Resp: 5051

Ion	Ratio	Lower	Upper
78	100		
77	23.1	0.0	53.5
52	33.4	8.9	68.9

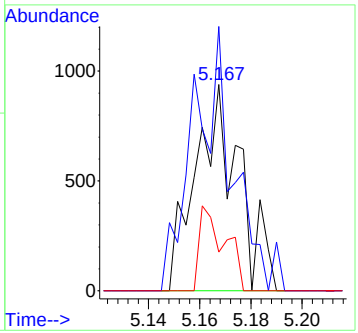


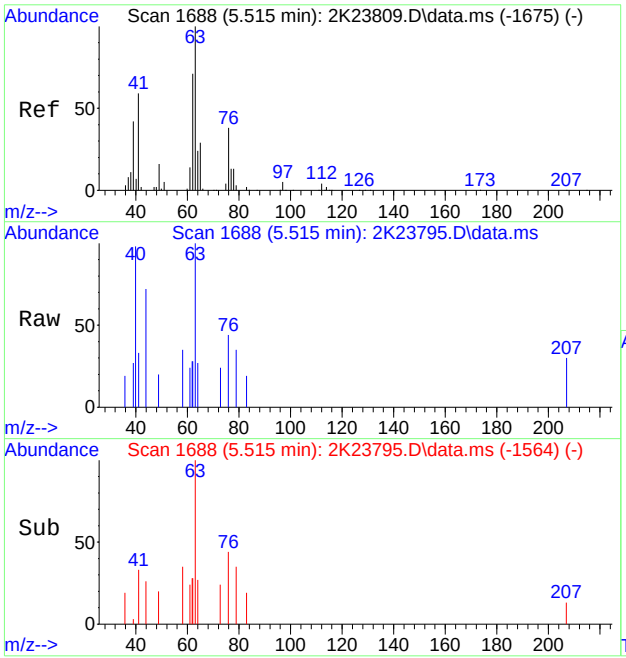


#60
trichloroethene
Concen: 0.20 ug/L
RT: 5.167 min Scan# 1580
Delta R.T. -0.000 min
Lab File: 2K23795.D
Acq: 5 Sep 2025 9:24 pm

Tgt Ion:130 Resp: 1118

Ion	Ratio	Lower	Upper
130	100		
132	128.2	70.8	130.8
134	18.7	4.2	64.2

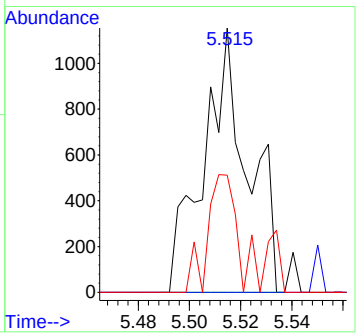


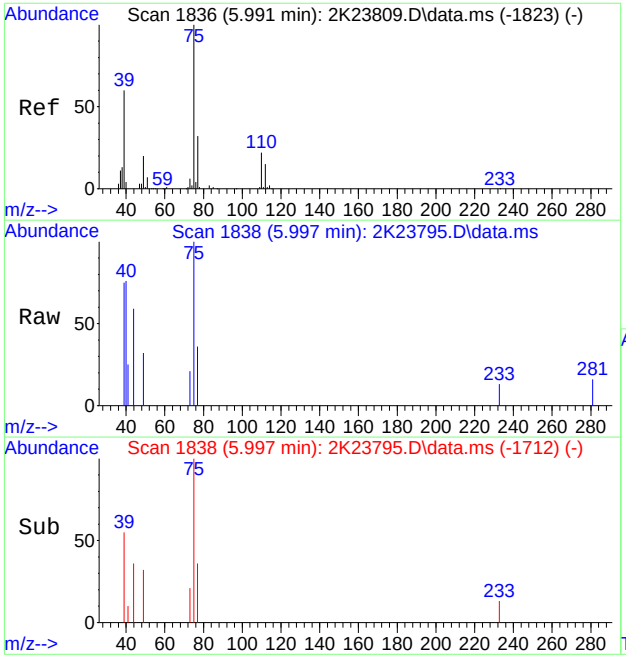


#64
1,2-dichloropropane
Concen: 0.23 ug/L
RT: 5.515 min Scan# 1688
Delta R.T. -0.000 min
Lab File: 2K23795.D
Acq: 5 Sep 2025 9:24 pm

Tgt Ion: 63 Resp: 1386

Ion	Ratio	Lower	Upper
63	100		
112	0.0	0.0	33.7
76	44.3	7.9	67.9

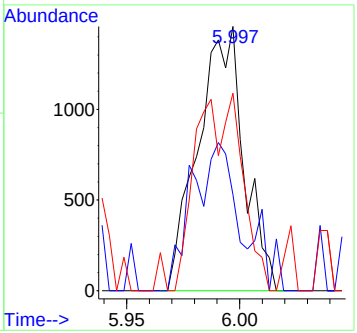


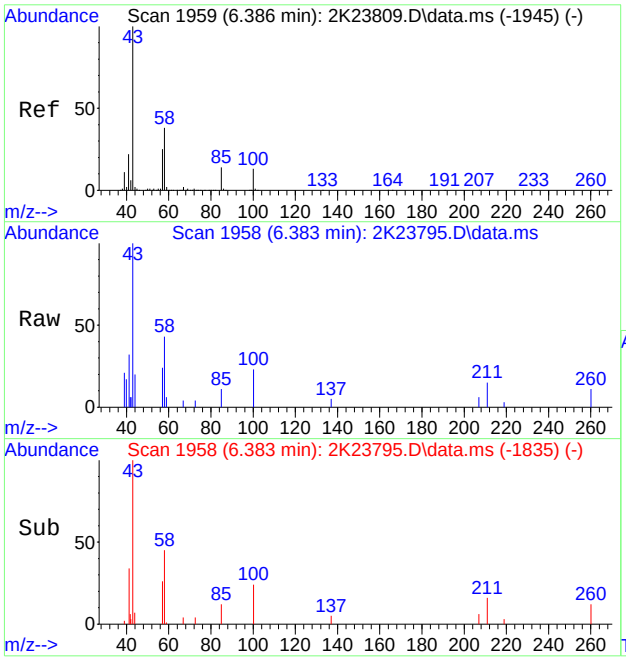


#69
cis-1,3-dichloropropene
Concen: 0.22 ug/L
RT: 5.997 min Scan# 1838
Delta R.T. 0.006 min
Lab File: 2K23795.D
Acq: 5 Sep 2025 9:24 pm

Tgt Ion: 75 Resp: 2054

Ion	Ratio	Lower	Upper
75	100		
77	36.4	2.1	62.1
39	62.7	30.1	90.1

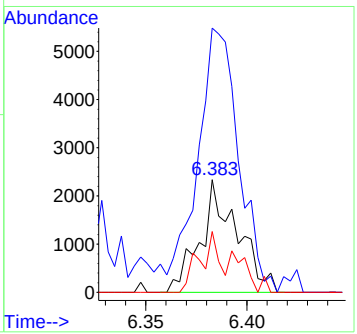


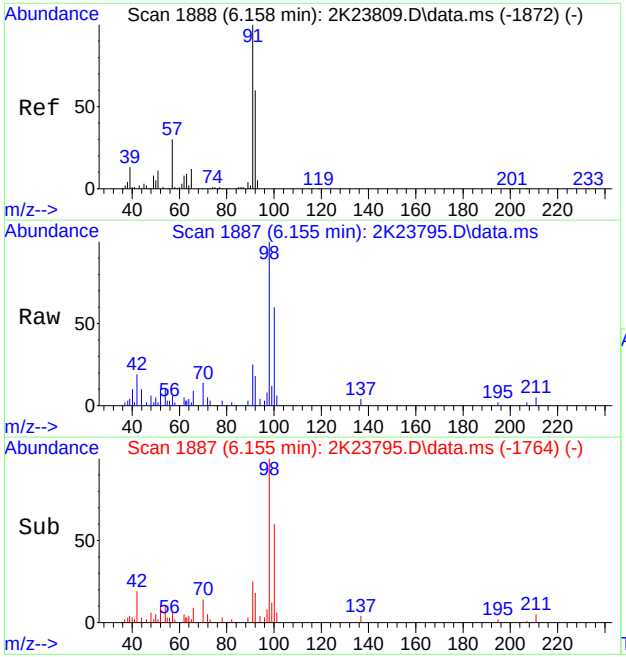


#70
4-methyl-2-pentanone
Concen: 0.75 ug/L
RT: 6.383 min Scan# 1958
Delta R.T. -0.003 min
Lab File: 2K23795.D
Acq: 5 Sep 2025 9:24 pm

Tgt Ion: 58 Resp: 2986

Ion	Ratio	Lower	Upper
58	100		
43	220.4	244.4	304.4#
100	54.0	4.8	64.8

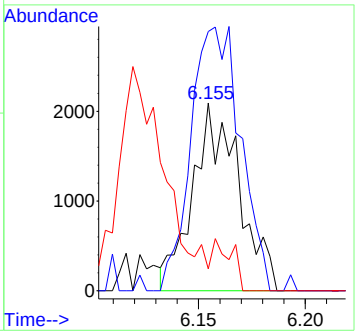


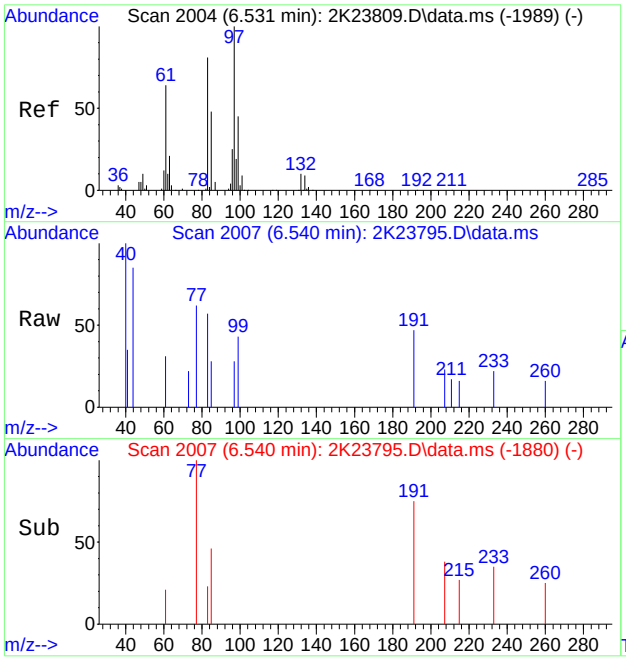


#74
toluene
Concen: 0.23 ug/L
RT: 6.155 min Scan# 1887
Delta R.T. -0.003 min
Lab File: 2K23795.D
Acq: 5 Sep 2025 9:24 pm

Tgt Ion: 92 Resp: 3139

Ion	Ratio	Lower	Upper
92	100		
91	138.0	145.9	185.9#
65	11.6	0.5	40.5

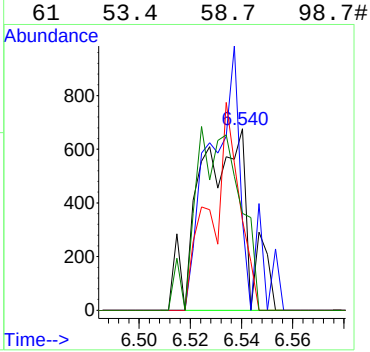


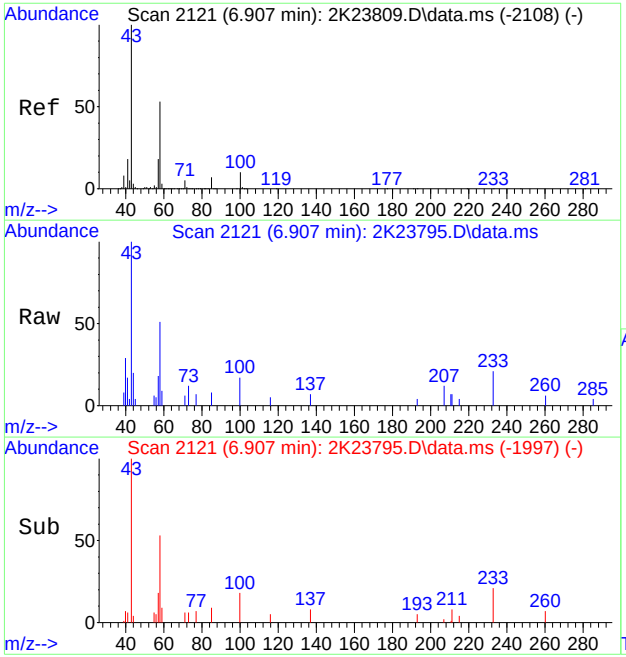


#77
1,1,2-trichloroethane
Concen: 0.22 ug/L
RT: 6.540 min Scan# 2007
Delta R.T. 0.010 min
Lab File: 2K23795.D
Acq: 5 Sep 2025 9:24 pm

Tgt Ion: 83 Resp: 893

Ion	Ratio	Lower	Upper
83	100		
97	49.4	103.4	143.4#
85	49.6	40.7	80.7
61	53.4	58.7	98.7#

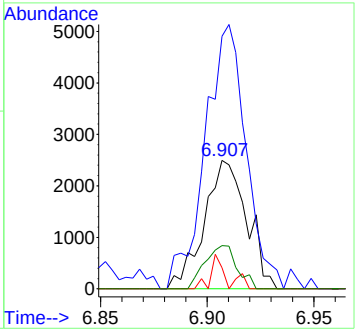


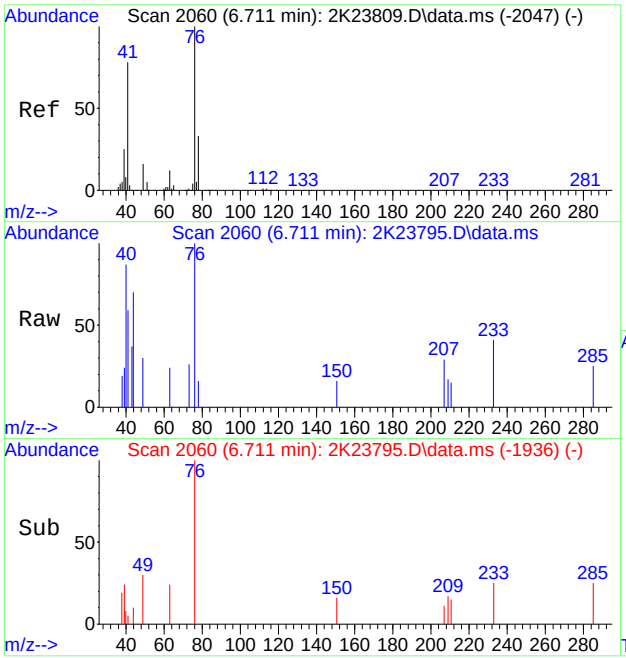


#79
2-hexanone
Concen: 0.80 ug/L
RT: 6.907 min Scan# 2121
Delta R.T. -0.000 min
Lab File: 2K23795.D
Acq: 5 Sep 2025 9:24 pm

Tgt Ion: 58 Resp: 3474

Ion	Ratio	Lower	Upper
58	100		
43	196.8	168.9	208.9
85	16.5	0.0	33.1
100	33.6	0.0	39.1

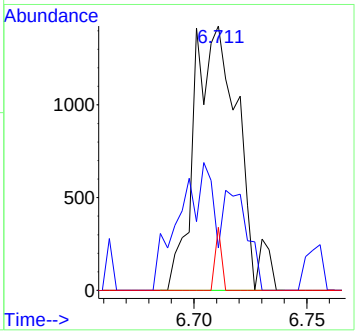


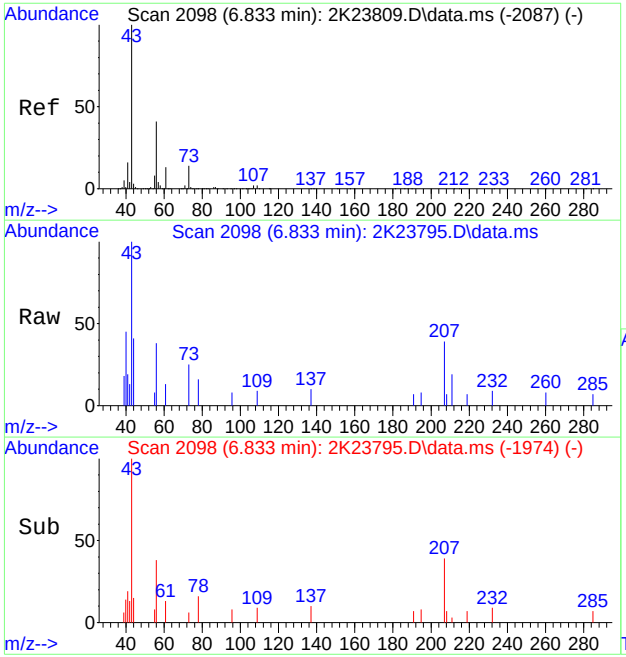


#80
1,3-dichloropropane
Concen: 0.22 ug/L
RT: 6.711 min Scan# 2060
Delta R.T. -0.000 min
Lab File: 2K23795.D
Acq: 5 Sep 2025 9:24 pm

Tgt Ion: 76 Resp: 1945

Ion	Ratio	Lower	Upper
76	100		
78	16.1	2.9	62.9
63	23.8	0.0	42.3

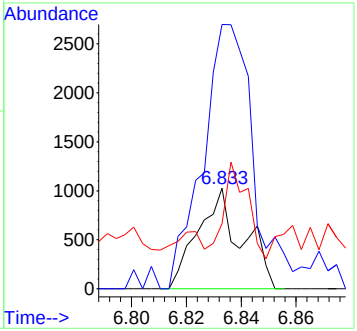


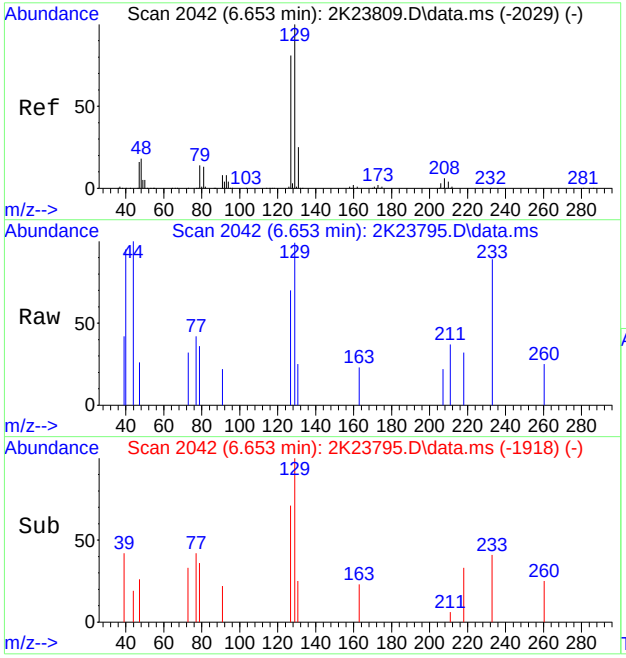


#81
butyl acetate
Concen: 0.18 ug/L
RT: 6.833 min Scan# 2098
Delta R.T. -0.000 min
Lab File: 2K23795.D
Acq: 5 Sep 2025 9:24 pm

Tgt Ion: 56 Resp: 1147

Ion	Ratio	Lower	Upper
56	100		
43	262.5	213.5	273.5
73	26.3	4.2	64.2

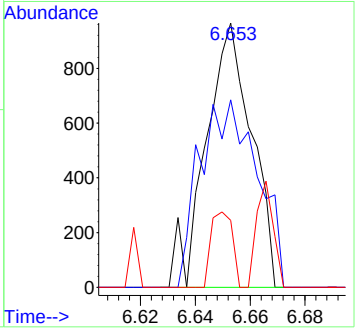


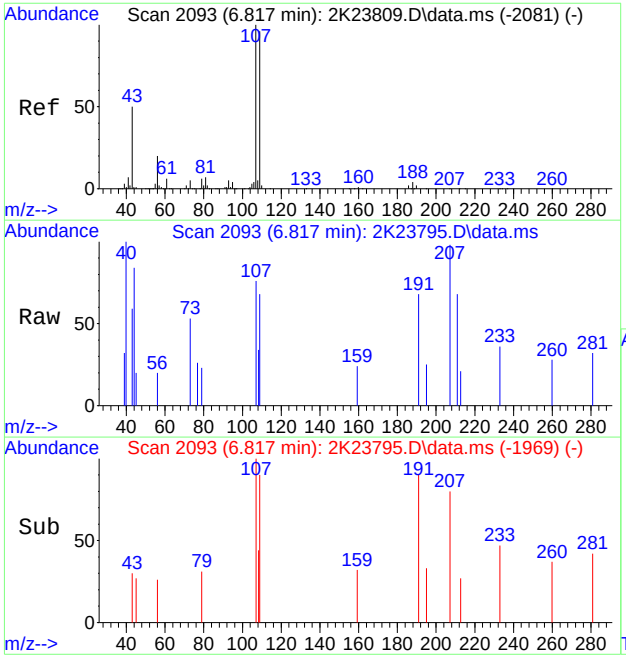


#82
dibromochloromethane
Concen: 0.20 ug/L
RT: 6.653 min Scan# 2042
Delta R.T. -0.000 min
Lab File: 2K23795.D
Acq: 5 Sep 2025 9:24 pm

Tgt Ion:129 Resp: 1114

Ion	Ratio	Lower	Upper
129	100		
127	70.9	50.8	110.8
131	25.4	0.0	55.3

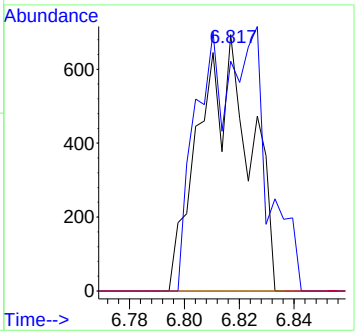


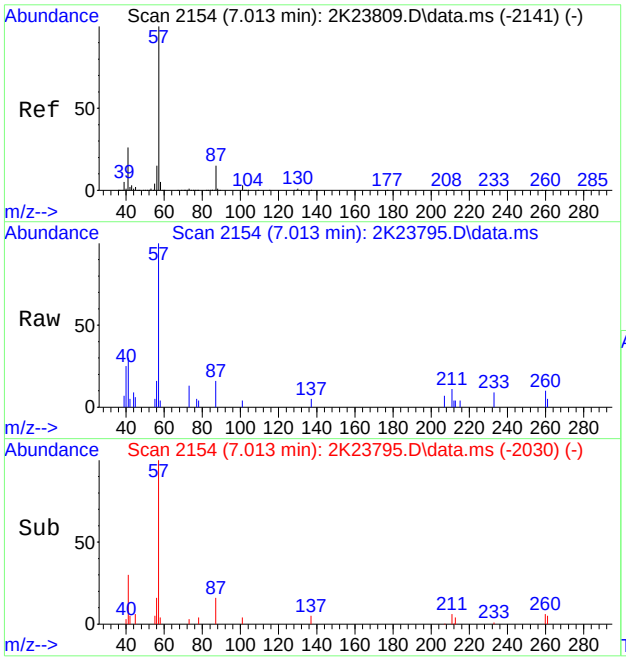


#83
1,2-dibromoethane
Concen: 0.17 ug/L
RT: 6.817 min Scan# 2093
Delta R.T. -0.000 min
Lab File: 2K23795.D
Acq: 5 Sep 2025 9:24 pm

Tgt Ion:107 Resp: 891

Ion	Ratio	Lower	Upper
107	100		
109	89.6	65.7	125.7
188	0.0	0.0	33.6

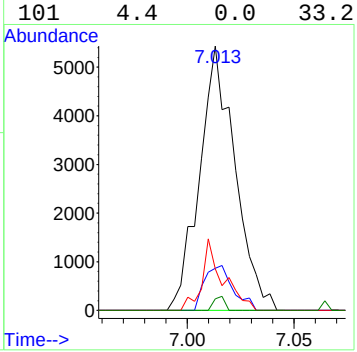


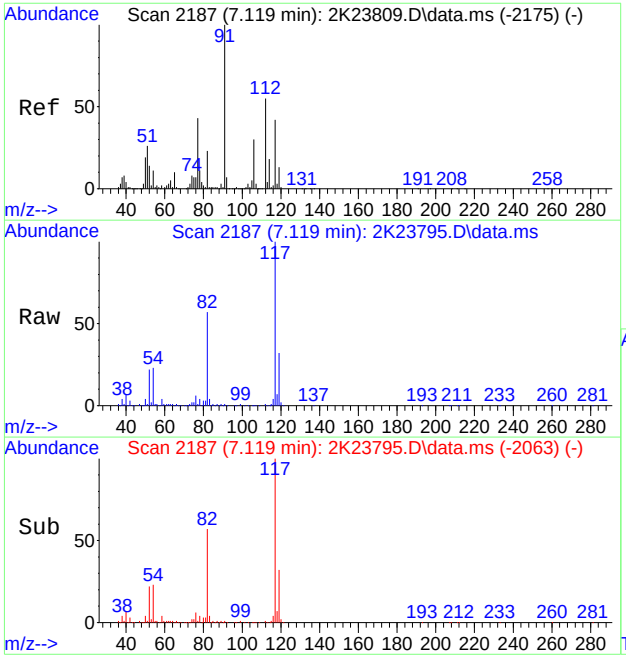


#84
n-butyl ether
Concen: 0.22 ug/L
RT: 7.013 min Scan# 2154
Delta R.T. -0.000 min
Lab File: 2K23795.D
Acq: 5 Sep 2025 9:24 pm

Tgt Ion: 57 Resp: 6301

Ion	Ratio	Lower	Upper
57	100		
56	15.9	0.0	45.2
87	15.7	0.0	45.0
101	4.4	0.0	33.2

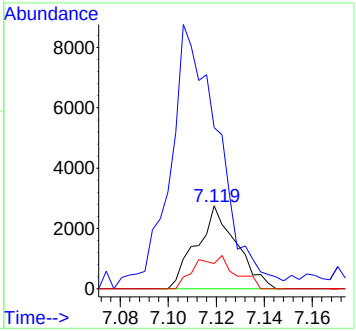


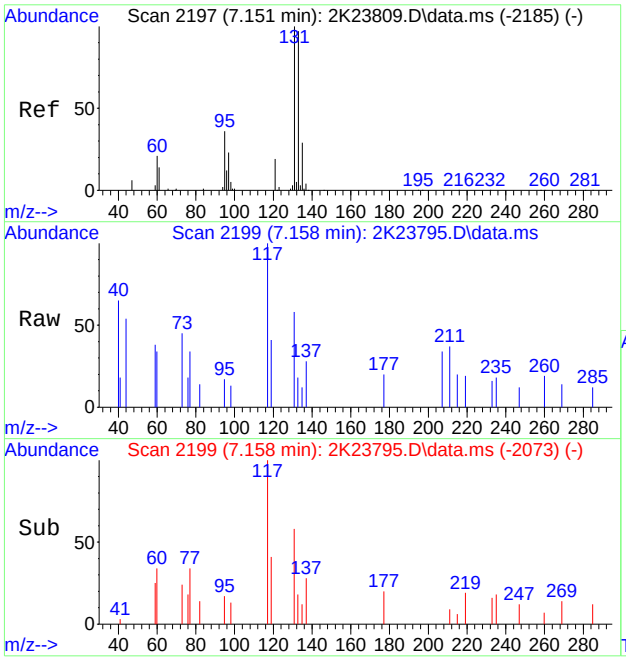


#85
chlorobenzene
Concen: 0.22 ug/L
RT: 7.119 min Scan# 2187
Delta R.T. -0.000 min
Lab File: 2K23795.D
Acq: 5 Sep 2025 9:24 pm

Tgt Ion:112 Resp: 3156

Ion	Ratio	Lower	Upper
112	100		
77	184.4	49.5	109.5#
114	30.3	2.1	62.1

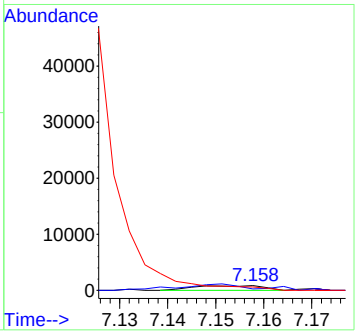


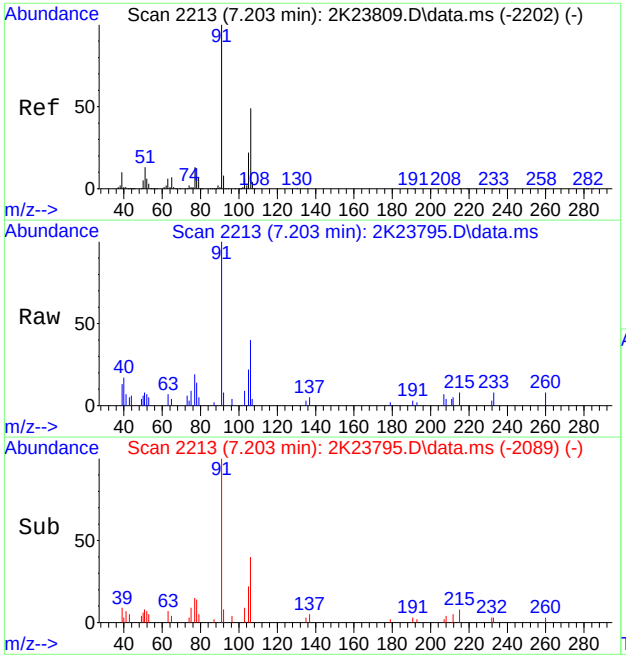


#86
1,1,1,2-tetrachloroethane
Concen: 0.16 ug/L
RT: 7.158 min Scan# 2199
Delta R.T. 0.006 min
Lab File: 2K23795.D
Acq: 5 Sep 2025 9:24 pm

Tgt Ion:131 Resp: 841

Ion	Ratio	Lower	Upper
131	100		
133	0.0	66.7	126.7#
119	71.1	31.1	91.1

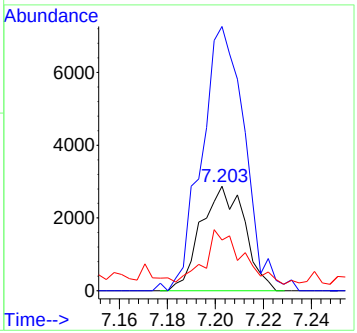


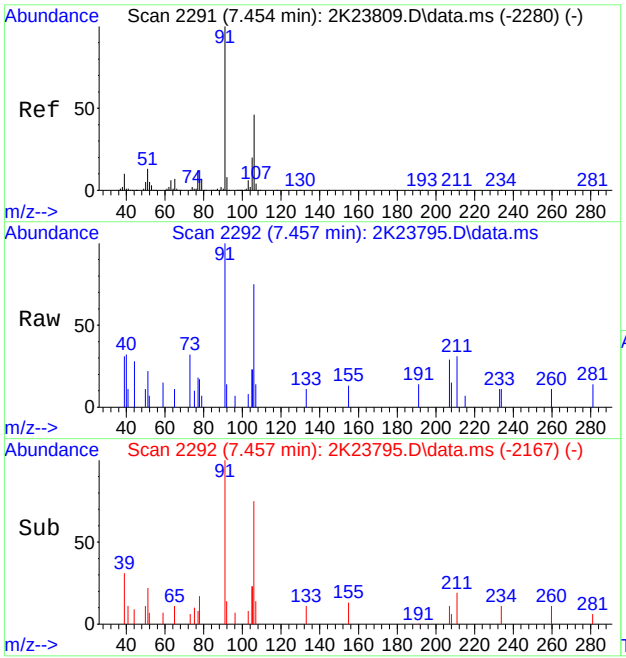


#88
m,p-xylene
Concen: 0.37 ug/L
RT: 7.203 min Scan# 2213
Delta R.T. -0.000 min
Lab File: 2K23795.D
Acq: 5 Sep 2025 9:24 pm

Tgt Ion:106 Resp: 3633

Ion	Ratio	Lower	Upper
106	100		
91	246.7	173.5	233.5#
77	42.4	7.0	47.0

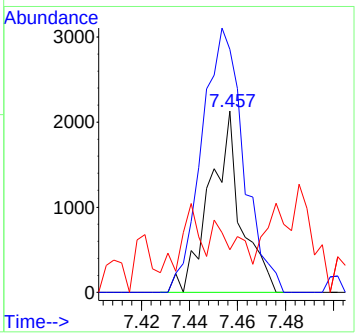


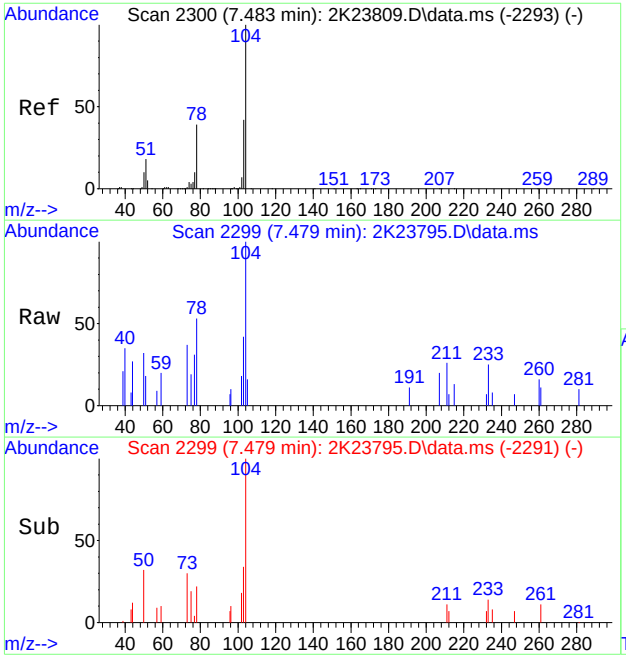


#89
o-xylene
Concen: 0.20 ug/L
RT: 7.457 min Scan# 2292
Delta R.T. 0.003 min
Lab File: 2K23795.D
Acq: 5 Sep 2025 9:24 pm

Tgt Ion:106 Resp: 1916

Ion	Ratio	Lower	Upper
106	100		
91	134.0	186.3	246.3#
77	12.7	6.7	46.7

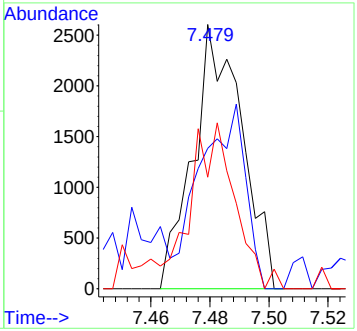


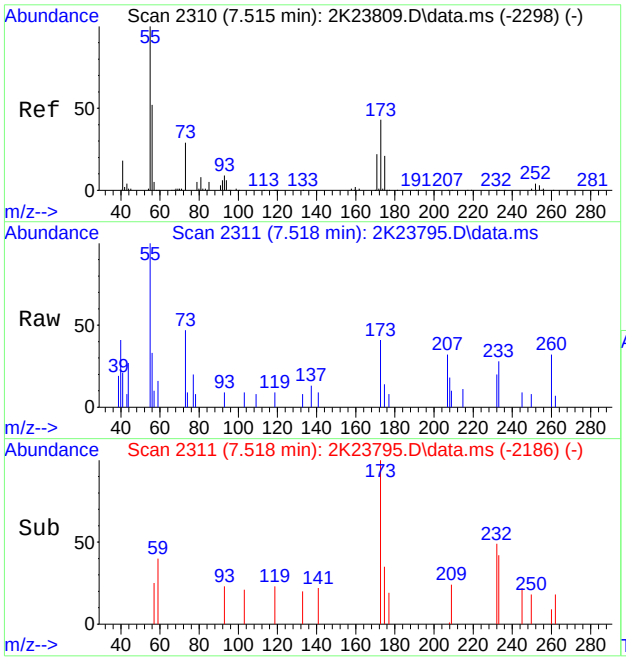


#90
styrene
Concen: 0.18 ug/L
RT: 7.479 min Scan# 2299
Delta R.T. -0.003 min
Lab File: 2K23795.D
Acq: 5 Sep 2025 9:24 pm

Tgt Ion:104 Resp: 2991

Ion	Ratio	Lower	Upper
104	100		
78	53.1	14.3	74.3
103	42.2	17.0	77.0

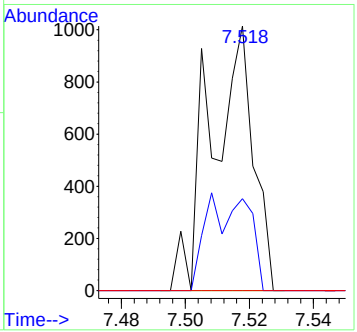


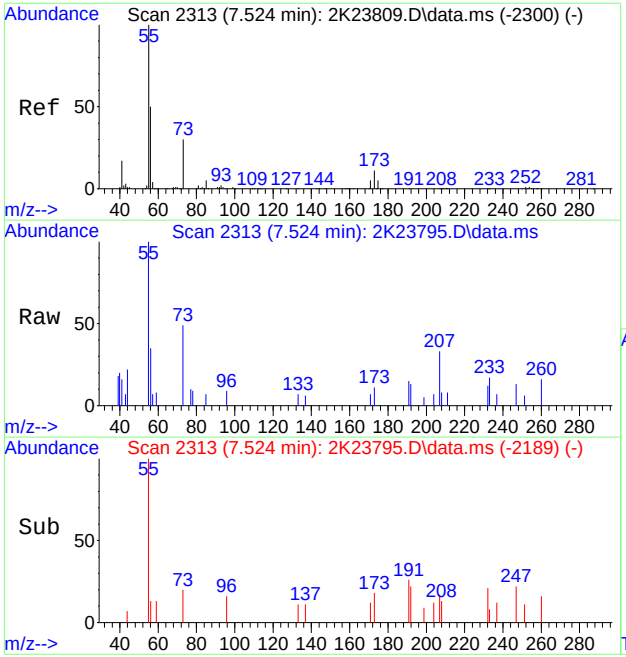


#91
bromoform
Concen: 0.22 ug/L
RT: 7.518 min Scan# 2311
Delta R.T. 0.003 min
Lab File: 2K23795.D
Acq: 5 Sep 2025 9:24 pm

Tgt Ion:173 Resp: 934

Ion	Ratio	Lower	Upper
173	100		
175	34.7	18.6	78.6
254	0.0	0.0	37.9

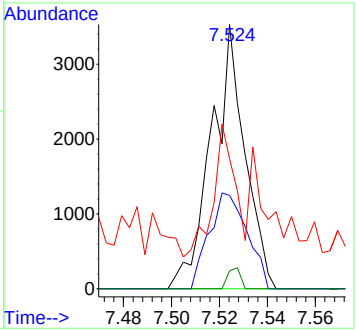


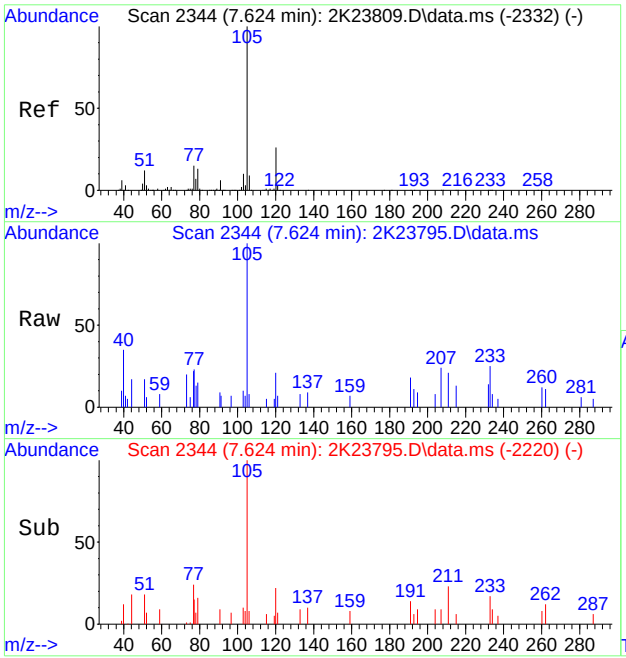


#92
butyl acrylate
Concen: 0.21 ug/L
RT: 7.524 min Scan# 2313
Delta R.T. -0.000 min
Lab File: 2K23795.D
Acq: 5 Sep 2025 9:24 pm

Tgt Ion: 55 Resp: 3430

Ion	Ratio	Lower	Upper
55	100		
56	35.3	20.5	80.5
73	30.0	0.7	60.7
85	6.8	0.0	35.3

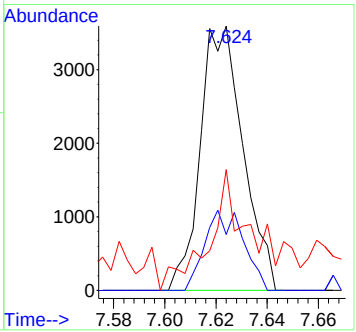


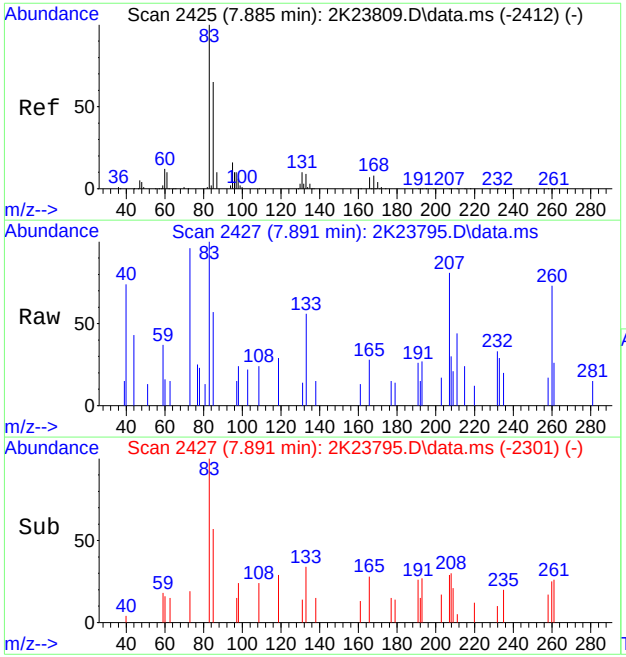


#93
isopropylbenzene
Concen: 0.17 ug/L
RT: 7.624 min Scan# 2344
Delta R.T. -0.000 min
Lab File: 2K23795.D
Acq: 5 Sep 2025 9:24 pm

Tgt Ion:105 Resp: 4171

Ion	Ratio	Lower	Upper
105	100		
120	21.1	6.4	46.4
77	45.7	0.0	35.1#

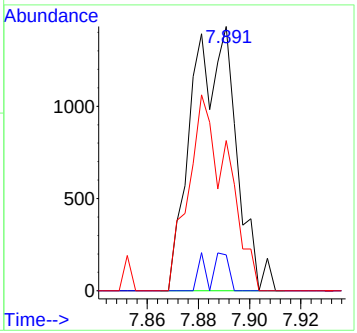


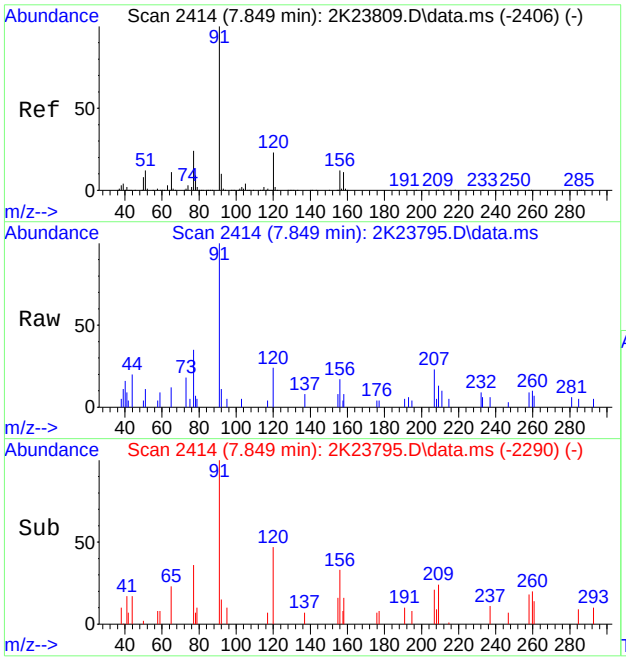


#99
1,1,2,2-tetrachloroethane
Concen: 0.22 ug/L
RT: 7.891 min Scan# 2427
Delta R.T. 0.006 min
Lab File: 2K23795.D
Acq: 5 Sep 2025 9:24 pm

Tgt Ion: 83 Resp: 1733

Ion	Ratio	Lower	Upper
83	100		
131	13.6	0.0	40.0
85	56.9	35.3	95.3

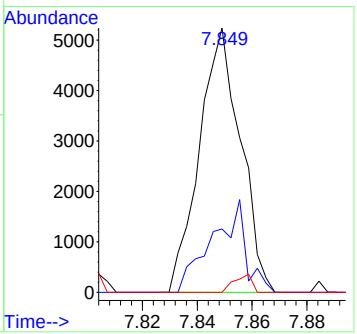


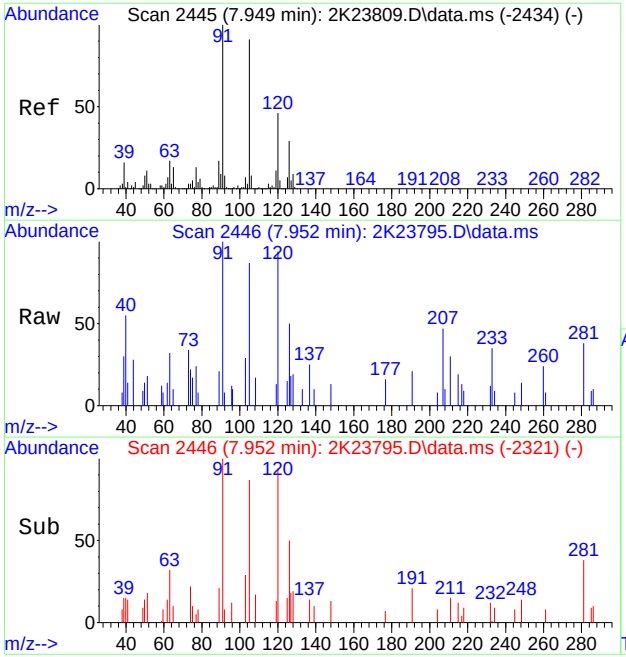


#102
n-propylbenzene
Concen: 0.19 ug/L
RT: 7.849 min Scan# 2414
Delta R.T. -0.000 min
Lab File: 2K23795.D
Acq: 5 Sep 2025 9:24 pm

Tgt Ion: 91 Resp: 5457

Ion	Ratio	Lower	Upper
91	100		
120	23.9	0.0	52.7
105	0.0	0.0	34.0

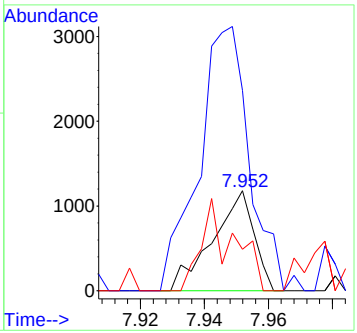


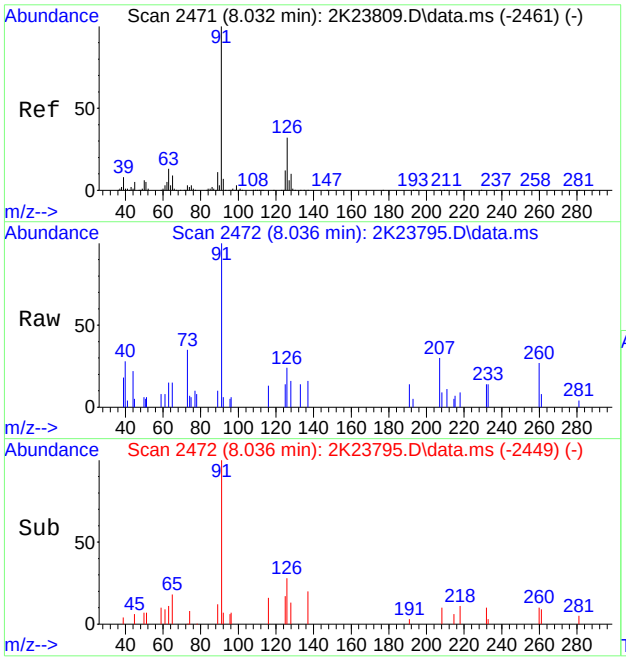


#103
2-chlorotoluene
Concen: 0.19 ug/L
RT: 7.952 min Scan# 2446
Delta R.T. 0.003 min
Lab File: 2K23795.D
Acq: 5 Sep 2025 9:24 pm

Tgt Ion:126 Resp: 1060

Ion	Ratio	Lower	Upper
126	100		
91	200.1	309.9	369.9#
89	41.3	27.7	87.7

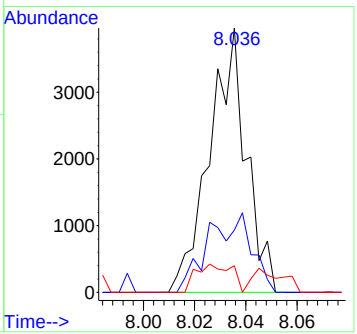


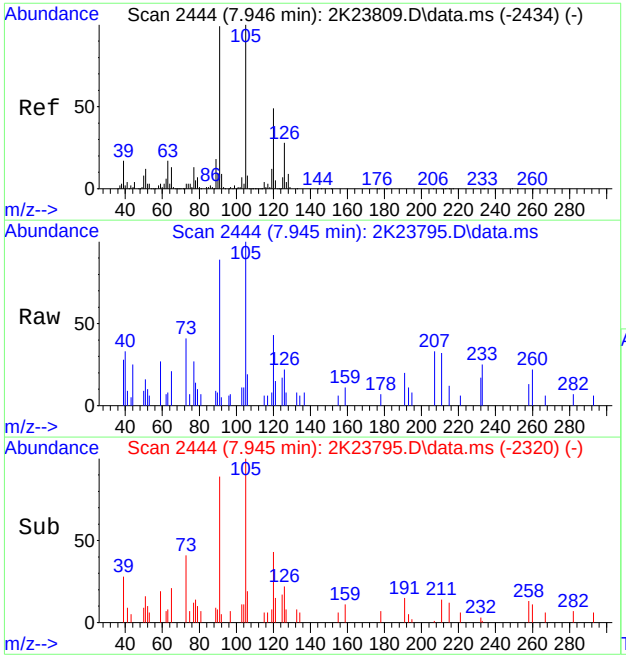


#104
4-chlorotoluene
Concen: 0.22 ug/L
RT: 8.036 min Scan# 2472
Delta R.T. 0.003 min
Lab File: 2K23795.D
Acq: 5 Sep 2025 9:24 pm

Tgt Ion: 91 Resp: 3956

Ion	Ratio	Lower	Upper
91	100		
126	23.5	1.8	61.8
89	10.1	0.0	41.0

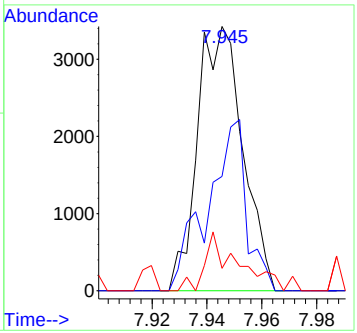


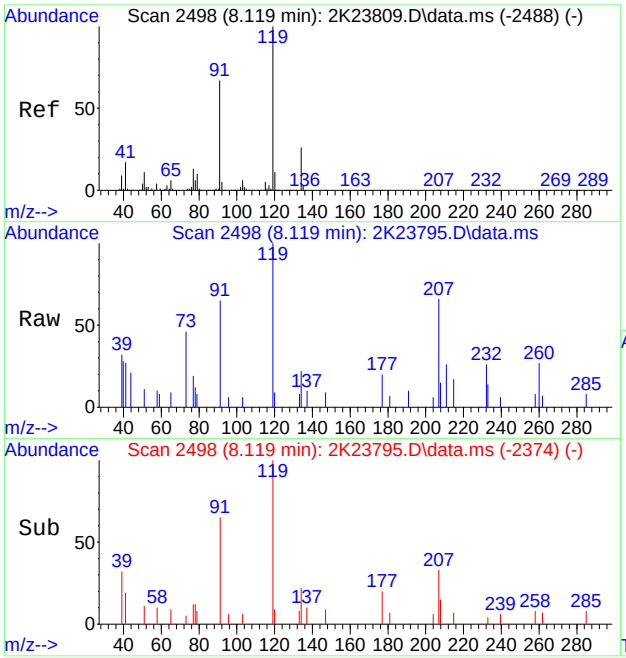


#105
1,3,5-trimethylbenzene
Concen: 0.21 ug/L
RT: 7.945 min Scan# 2444
Delta R.T. -0.000 min
Lab File: 2K23795.D
Acq: 5 Sep 2025 9:24 pm

Tgt Ion:105 Resp: 3940

Ion	Ratio	Lower	Upper
105	100		
120	43.2	19.0	79.0
119	8.5	0.0	42.0

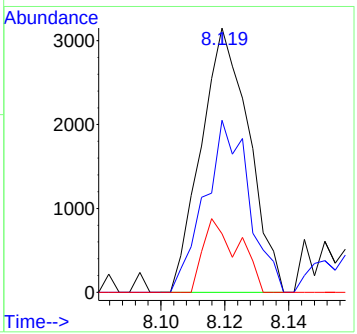


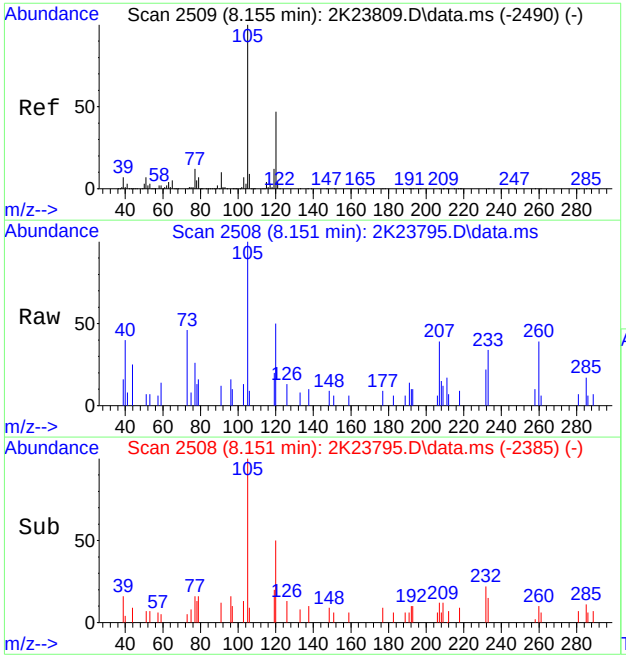


#106
tert-butylbenzene
Concen: 0.20 ug/L
RT: 8.119 min Scan# 2498
Delta R.T. -0.000 min
Lab File: 2K23795.D
Acq: 5 Sep 2025 9:24 pm

Tgt Ion:119 Resp: 3274

Ion	Ratio	Lower	Upper
119	100		
91	65.0	37.4	97.4
134	22.1	0.0	55.8

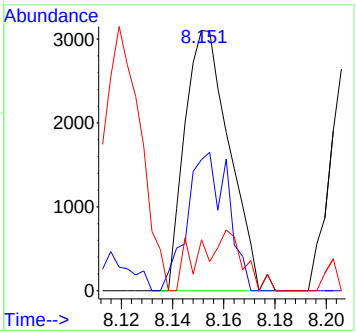


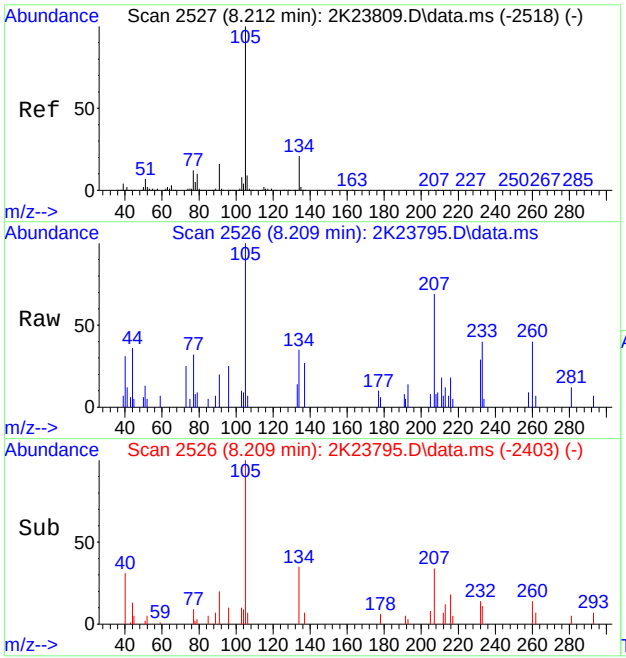


#107
1,2,4-trimethylbenzene
Concen: 0.20 ug/L
RT: 8.151 min Scan# 2508
Delta R.T. -0.003 min
Lab File: 2K23795.D
Acq: 5 Sep 2025 9:24 pm

Tgt Ion:105 Resp: 3745

Ion	Ratio	Lower	Upper
105	100		
120	50.3	16.8	76.8
119	19.6	0.0	42.0

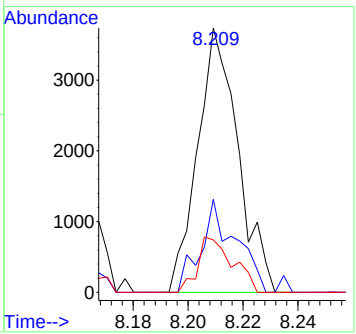


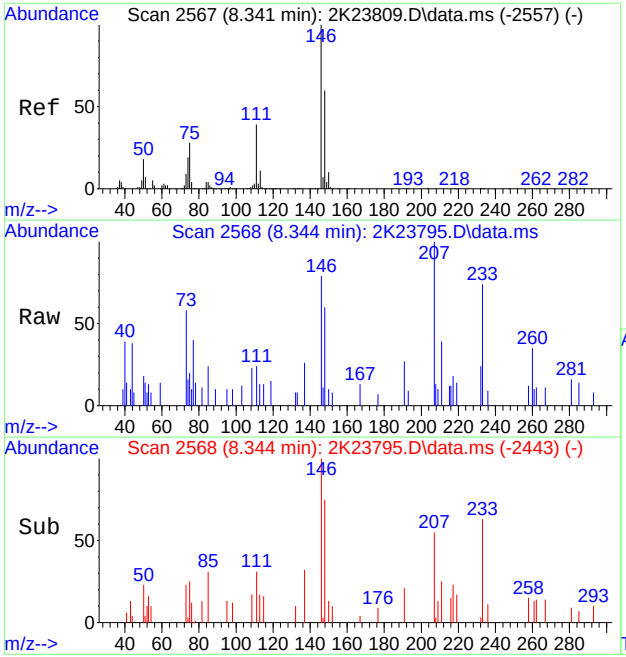


#108
sec-butylbenzene
Concen: 0.17 ug/L
RT: 8.209 min Scan# 2526
Delta R.T. -0.003 min
Lab File: 2K23795.D
Acq: 5 Sep 2025 9:24 pm

Tgt Ion:105 Resp: 3826

Ion	Ratio	Lower	Upper
105	100		
134	35.3	0.0	51.4
91	19.8	0.0	45.7

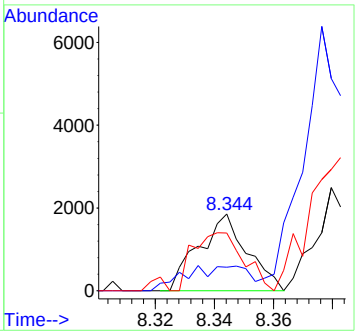


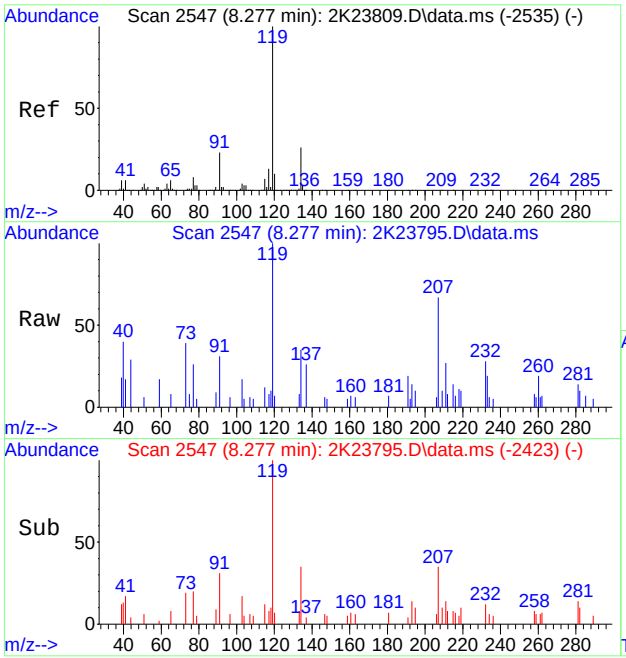


#109
1,3-dichlorobenzene
Concen: 0.19 ug/L
RT: 8.344 min Scan# 2568
Delta R.T. 0.003 min
Lab File: 2K23795.D
Acq: 5 Sep 2025 9:24 pm

Tgt Ion:146 Resp: 2106

Ion	Ratio	Lower	Upper
146	100		
111	20.7	8.6	68.6
148	57.1	29.8	89.8

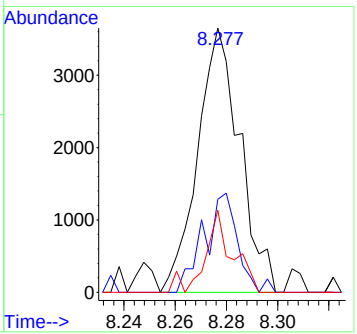


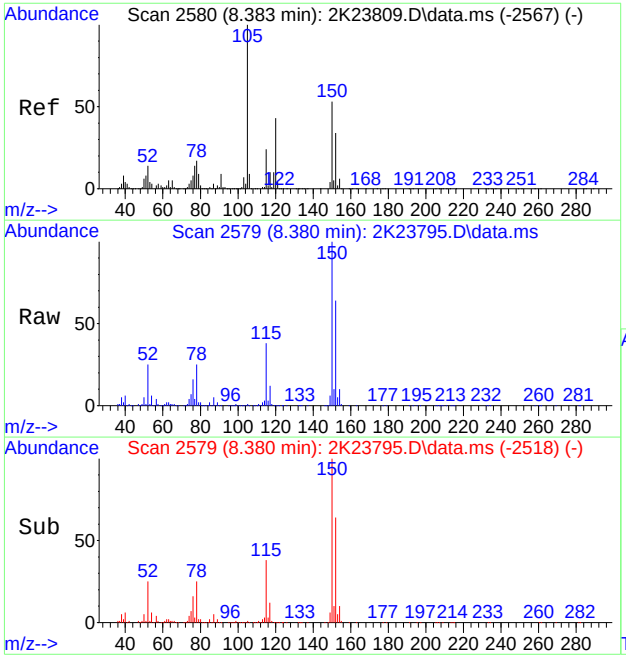


#110
p-isopropyltoluene
Concen: 0.22 ug/L
RT: 8.277 min Scan# 2547
Delta R.T. -0.000 min
Lab File: 2K23795.D
Acq: 5 Sep 2025 9:24 pm

Tgt Ion:119 Resp: 4167

Ion	Ratio	Lower	Upper
119	100		
134	35.2	0.0	56.0
91	31.1	0.0	53.4

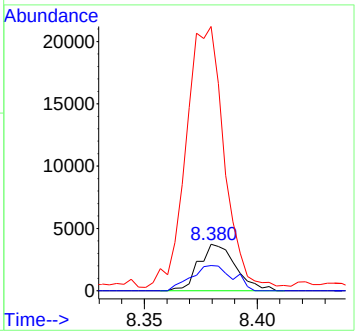


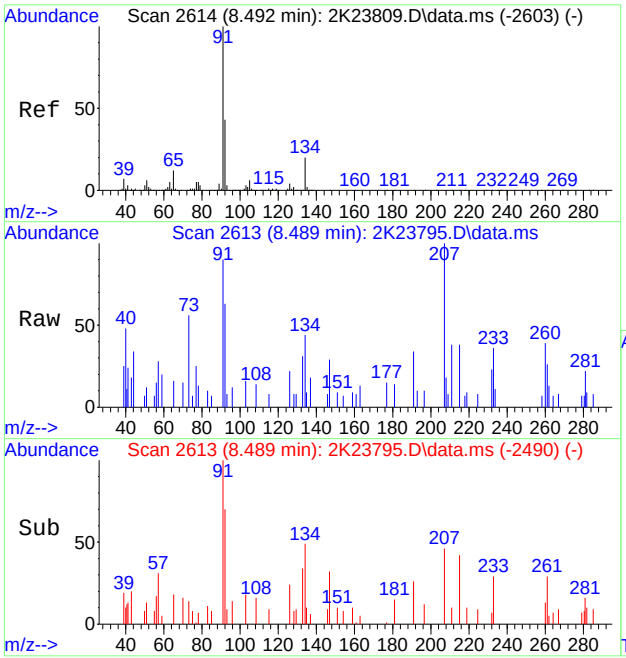


#113
1,2,3-trimethylbenzene
Concen: 0.22 ug/L
RT: 8.380 min Scan# 2579
Delta R.T. -0.003 min
Lab File: 2K23795.D
Acq: 5 Sep 2025 9:24 pm

Tgt Ion:105 Resp: 4238

Ion	Ratio	Lower	Upper
105	100		
120	54.3	13.3	73.3
77	556.2	0.0	43.9#

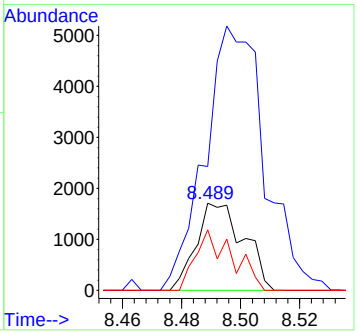


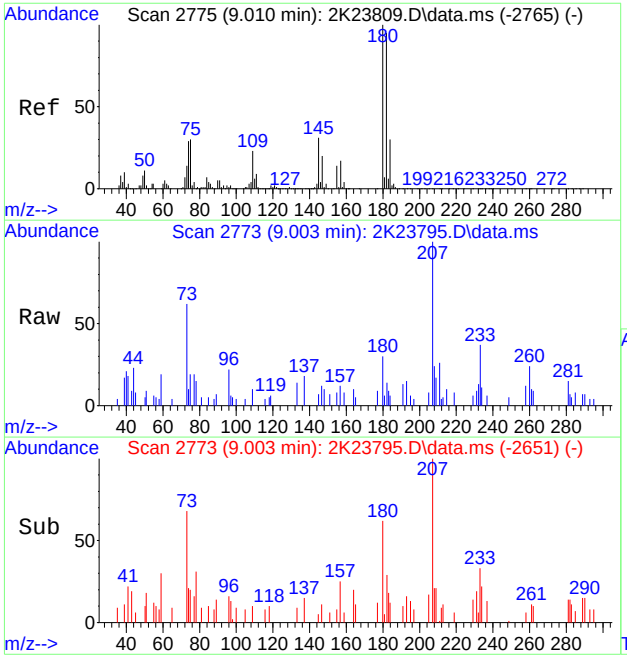


#114
n-butylbenzene
Concen: 0.20 ug/L
RT: 8.489 min Scan# 2613
Delta R.T. -0.003 min
Lab File: 2K23795.D
Acq: 5 Sep 2025 9:24 pm

Tgt Ion: 92 Resp: 1908

Ion	Ratio	Lower	Upper
92	100		
91	142.3	203.0	263.0#
134	83.8	17.1	77.1#

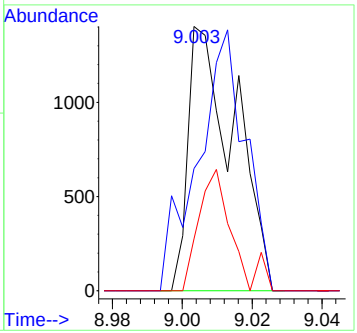




#116
1,3,5-trichlorobenzene
Concen: 0.22 ug/L
RT: 9.003 min Scan# 2773
Delta R.T. -0.007 min
Lab File: 2K23795.D
Acq: 5 Sep 2025 9:24 pm

Tgt Ion:180 Resp: 1301

Ion	Ratio	Lower	Upper
180	100		
182	46.3	74.7	114.7#
184	19.7	9.9	49.9



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 09/09/25 02:04

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 2K23797.D
Acq On : 5 Sep 2025 9:59 pm
Operator : PrashanS
Sample : IC658-0.5
Misc : MS95614,V2K658,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 08 12:37:15 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 12:29:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.496	65	681465	500.00	ug/L		0.00
5) pentafluorobenzene	4.807	168	688978	50.00	ug/L		0.00
50) 1,4-difluorobenzene	5.171	114	1049487	50.00	ug/L		0.00
72) chlorobenzene-d5	7.110	117	879753	50.00	ug/L		0.00
96) 1,4-dichlorobenzene-d4	8.376	152	432802	50.00	ug/L		0.00
124) pentafluorobenzene(a)	4.807	168	688978	50.00	ug/L		0.00
128) 1,4-dichlorobenzene-d4(a)	8.376	152	432802	50.00	ug/L		0.00
System Monitoring Compounds							
42) dibromofluoromethane (s)	4.528	113	288769	49.15	ug/L		0.00
Spiked Amount 50.000	Range 75 - 127		Recovery = 98.30%				
51) 1,2-dichloroethane-d4 (s)	4.881	65	385267	52.72	ug/L		0.00
Spiked Amount 50.000	Range 75 - 130		Recovery = 105.44%				
73) toluene-d8 (s)	6.122	98	1220259	50.28	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.56%				
97) 4-bromofluorobenzene (s)	7.788	95	458796	51.09	ug/L		0.00
Spiked Amount 50.000	Range 79 - 127		Recovery = 102.18%				
Target Compounds							Qvalue
2) ethanol	2.827	45	9963	56.1973	ug/L		91
3) tertiary butyl alcohol	3.547	59	4156	2.6373	ug/L		53
6) chlorodifluoromethane	1.766	51	4703	0.4889	ug/L		90
7) dichlorodifluoromethane	1.724	85	3800	0.5338	ug/L		81
8) chloromethane	1.904	50	4436	0.5535	ug/L		85
9) vinyl chloride	1.972	62	3186	0.4536	ug/L		87
10) 1,3-butadiene	1.988	39	3723	0.5634	ug/L		78
11) bromomethane	2.254	96	1080	0.4752	ug/L	#	74
12) chloroethane	2.364	64	1447m	0.4072	ug/L		
13) trichlorofluoromethane	2.483	101	4126	0.4322	ug/L		69
14) ethyl ether	2.724	74	1716m	0.4958	ug/L		
16) freon 113	2.926	151	2299	0.5612	ug/L	#	73
17) 1,1-dichloroethene	2.901	61	4680	0.5309	ug/L		81
18) acetone	3.357	58	2601	2.5168	ug/L	#	52
19) acetonitrile	3.695	41	7897	4.8141	ug/L		71
21) carbon disulfide	2.939	76	7725	0.5235	ug/L		86
22) methylene chloride	3.341	84	2510	0.4950	ug/L		83
24) methyl tert butyl ether	3.515	73	9361	0.5215	ug/L		93
25) trans-1,2-dichloroethene	3.454	96	2724	0.5064	ug/L	#	80
26) hexane	3.499	57	7682	0.5590	ug/L	#	75
27) di-isopropyl ether	3.769	45	12047	0.5075	ug/L		93
28) ethyl tert-butyl ether	4.016	59	10738	0.5115	ug/L		90
30) 1,1-dichloroethane	3.878	63	5540	0.5130	ug/L		95
31) chloroprene	3.859	53	5484	0.4543	ug/L		84
35) 2,2-dichloropropane	4.315	77	4515	0.5507	ug/L		85
36) cis-1,2-dichloroethene	4.238	96	2891	0.5338	ug/L		89
39) bromochloromethane	4.370	128	1132	0.4638	ug/L	#	39
44) 1,1,1-trichloroethane	4.560	97	4262	0.4749	ug/L		88
45) cyclohexane	4.393	84	3591	0.4426	ug/L	#	55
46) 1,1-dichloropropene	4.627	75	3544	0.4743	ug/L		85
52) iso-octane	4.695	57	10264	0.4851	ug/L	#	63
53) benzene	4.795	78	10151	0.4663	ug/L		87
54) tert-amyl methyl ether	4.840	73	9995	0.5907	ug/L		85
57) 1,2-dichloroethane	4.923	62	4614	0.6013	ug/L		93
58) n-butyl alcohol	5.312	56	12181	26.1789	ug/L		86
59) ethyl acrylate	5.479	55	5662	0.4962	ug/L		89
60) trichloroethene	5.164	130	2433	0.4734	ug/L		98
64) 1,2-dichloropropane	5.515	63	2695	0.4484	ug/L		77

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 2K23797.D
Acq On : 5 Sep 2025 9:59 pm
Operator : PrashanS
Sample : IC658-0.5
Misc : MS95614,V2K658,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 08 12:37:15 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 12:29:09 2025
Response via : Initial Calibration

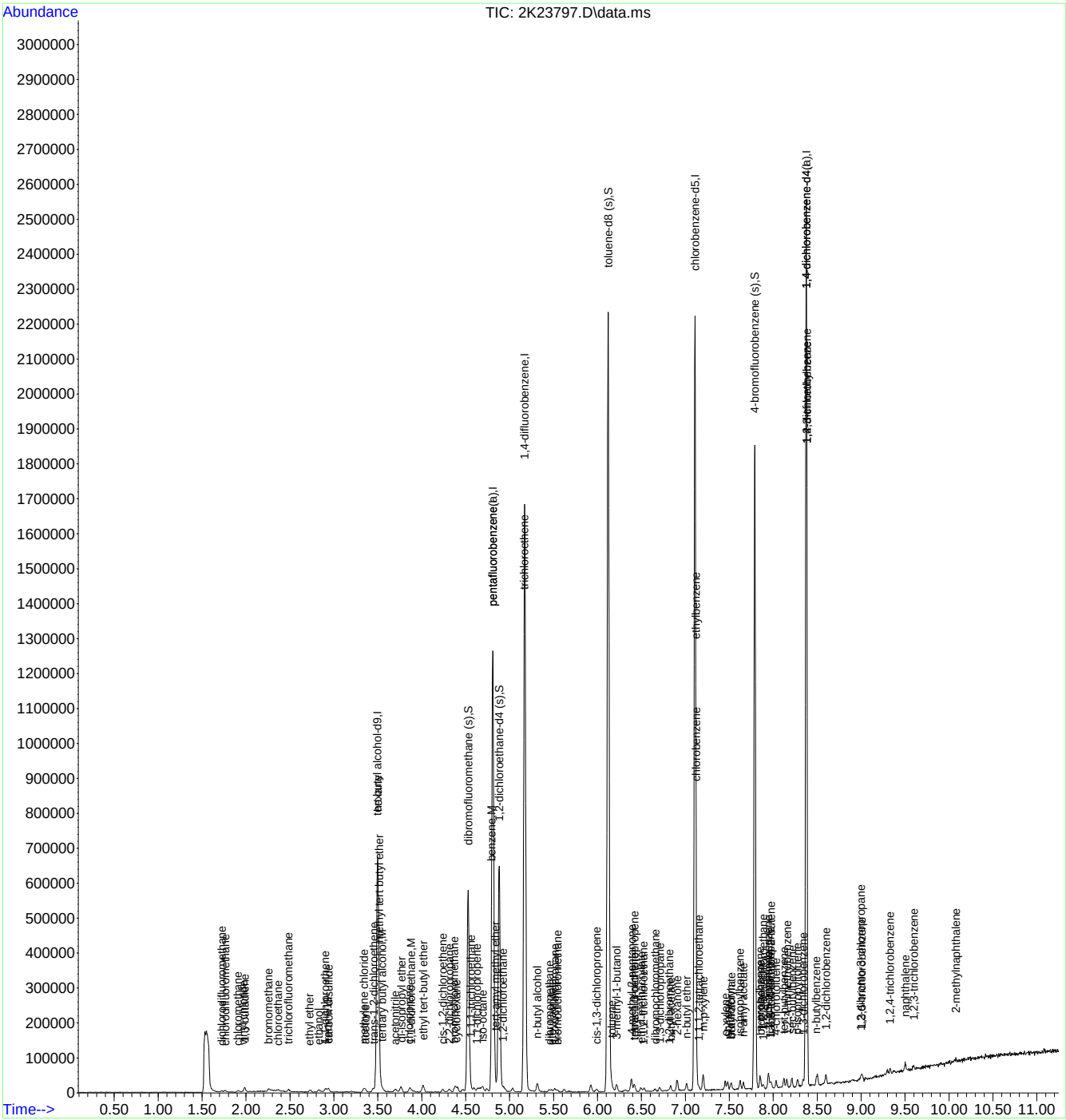
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
66) dibromomethane	5.454	93	1705	0.5676	ug/L		81
67) bromodichloromethane	5.544	83	3616	0.5424	ug/L		75
69) cis-1,3-dichloropropene	5.991	75	4532	0.5020	ug/L		98
70) 4-methyl-2-pentanone	6.389	58	7720	2.1482	ug/L		96
71) 3-methyl-1-butanol	6.216	70	3795	10.7277	ug/L		92
74) toluene	6.164	92	6615	0.4792	ug/L	#	66
75) ethyl methacrylate	6.499	69	4409	0.5379	ug/L		82
76) trans-1,3-dichloropropene	6.422	75	4581	0.5402	ug/L		78
77) 1,1,2-trichloroethane	6.521	83	2236	0.5531	ug/L	#	62
78) tetrachloroethene	6.422	166	2380m	0.4793	ug/L		
79) 2-hexanone	6.907	58	8426	2.0596	ug/L	#	82
80) 1,3-dichloropropane	6.711	76	4138	0.4673	ug/L		93
81) butyl acetate	6.836	56	3048	0.5353	ug/L	#	73
82) dibromochloromethane	6.659	129	2225	0.4248	ug/L		82
83) 1,2-dibromoethane	6.817	107	2211	0.4836	ug/L		89
84) n-butyl ether	7.013	57	13133	0.4577	ug/L		98
85) chlorobenzene	7.122	112	6499	0.4612	ug/L		76
86) 1,1,1,2-tetrachloroethane	7.155	131	2239	0.5006	ug/L	#	52
87) ethylbenzene	7.119	91	14189	0.5837	ug/L		63
88) m,p-xylene	7.206	106	9336	1.0451	ug/L		87
89) o-xylene	7.454	106	4454	0.4936	ug/L		83
90) styrene	7.483	104	7992	0.5408	ug/L		87
91) bromoform	7.515	173	2186	0.5173	ug/L		85
92) butyl acrylate	7.524	55	7517	0.4749	ug/L		89
93) isopropylbenzene	7.621	105	11377	0.5370	ug/L		99
94) n-amyl acetate	7.659	70	2693	0.5277	ug/L	#	75
98) bromobenzene	7.859	156	2894	0.5131	ug/L	#	72
99) 1,1,2,2-tetrachloroethane	7.884	83	3758	0.4839	ug/L		87
100) trans-1,4-dichloro-2-b...	7.974	53	1829	0.5569	ug/L	#	65
101) 1,2,3-trichloropropane	7.968	110	1382	0.5556	ug/L		67
102) n-propylbenzene	7.849	91	12995	0.4941	ug/L		84
103) 2-chlorotoluene	7.946	126	2681	0.5149	ug/L		100
104) 4-chlorotoluene	8.032	91	8579	0.4780	ug/L		96
105) 1,3,5-trimethylbenzene	7.942	105	8638	0.4726	ug/L		91
106) tert-butylbenzene	8.122	119	8237	0.5340	ug/L		89
107) 1,2,4-trimethylbenzene	8.158	105	8988	0.5036	ug/L		87
108) sec-butylbenzene	8.216	105	9866	0.5035	ug/L		91
109) 1,3-dichlorobenzene	8.341	146	5609	0.5464	ug/L		95
110) p-isopropyltoluene	8.274	119	8571	0.4557	ug/L		93
111) 1,4-dichlorobenzene	8.383	146	5201	0.4936	ug/L	#	17
112) 1,2-dichlorobenzene	8.601	146	5119	0.5099	ug/L		87
113) 1,2,3-trimethylbenzene	8.383	105	9610	0.5011	ug/L	#	7
114) n-butylbenzene	8.489	92	4155	0.4608	ug/L		88
115) 1,2-dibromo-3-chloropr...	8.997	157	1127	0.5012	ug/L		85
116) 1,3,5-trichlorobenzene	9.007	180	3236	0.5485	ug/L	#	70
117) 1,2,4-trichlorobenzene	9.328	180	2511	0.4950	ug/L		88
119) naphthalene	9.502	128	9688	0.5486	ug/L		91
120) 1,2,3-trichlorobenzene	9.598	180	2685	0.5601	ug/L		92
123) 2-methylnaphthalene	10.081	142	2304	0.2631	ug/L	#	58

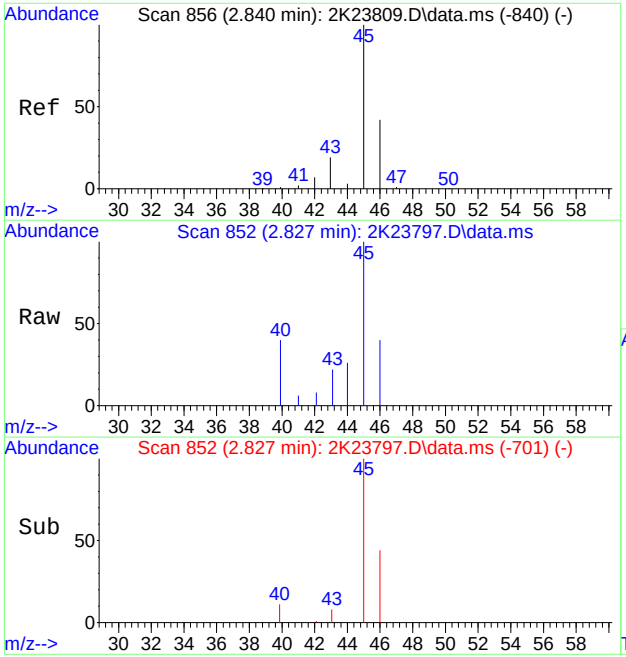
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 2K23797.D
Acq On : 5 Sep 2025 9:59 pm
Operator : PrashanS
Sample : IC658-0.5
Misc : MS95614,V2K658,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 08 12:37:15 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 12:29:09 2025
Response via : Initial Calibration

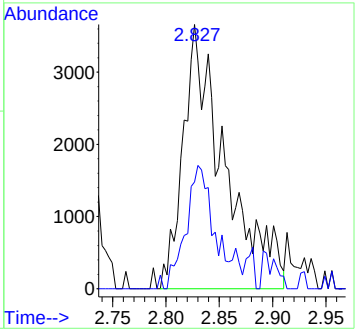


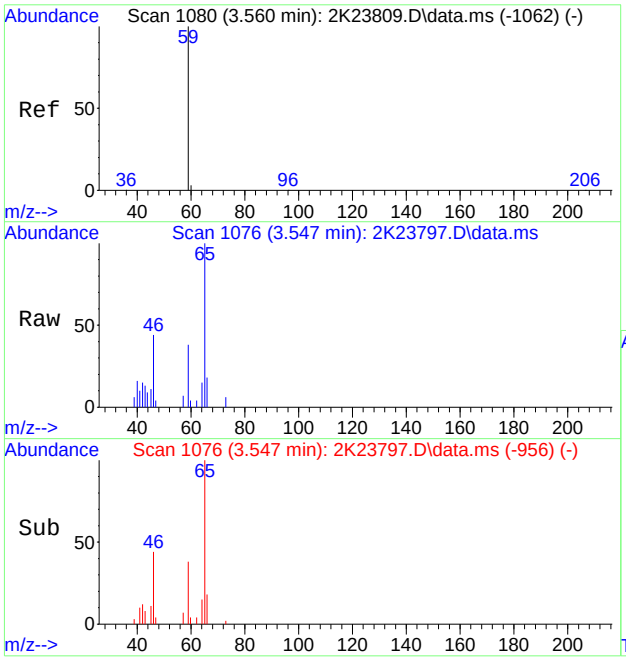


#2
ethanol
Concen: 56.20 ug/L
RT: 2.827 min Scan# 852
Delta R.T. -0.013 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion: 45 Resp: 9963

Ion	Ratio	Lower	Upper
45	100		
46	35.6	21.3	61.3

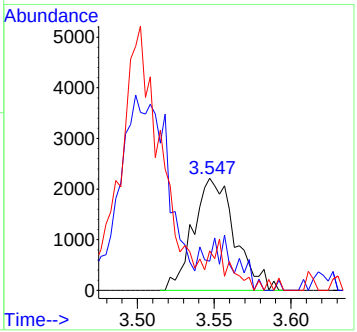


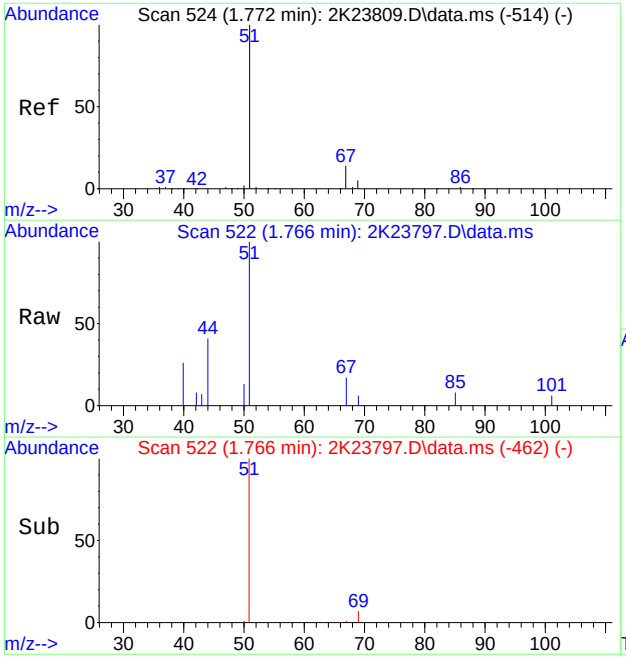


#3
tertiary butyl alcohol
Concen: 2.64 ug/L
RT: 3.547 min Scan# 1076
Delta R.T. -0.013 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion: 59 Resp: 4156

Ion	Ratio	Lower	Upper
59	100		
41	25.9	0.0	30.0
43	35.2	0.0	45.5

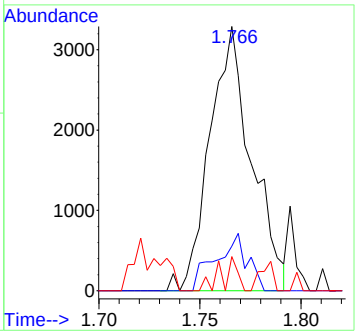


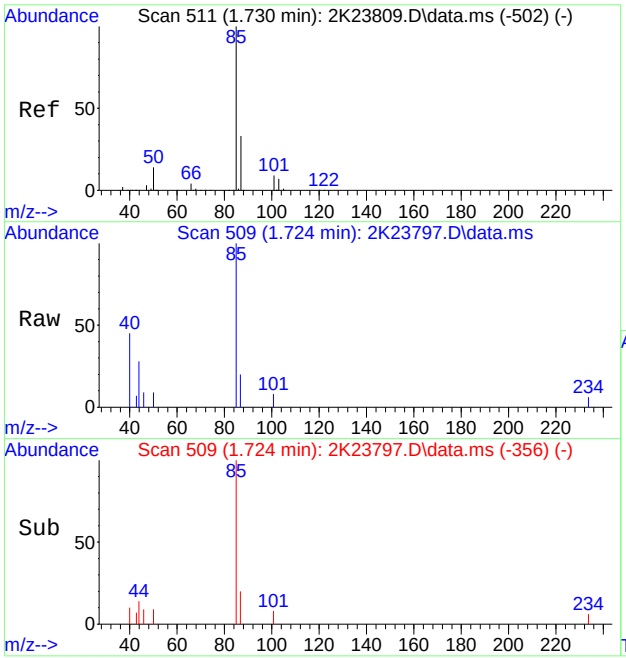


#6
chlorodifluoromethane
Concen: 0.49 ug/L
RT: 1.766 min Scan# 522
Delta R.T. -0.006 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion: 51 Resp: 4703

Ion	Ratio	Lower	Upper
51	100		
67	16.9	0.0	44.0
50	12.9	0.0	37.4

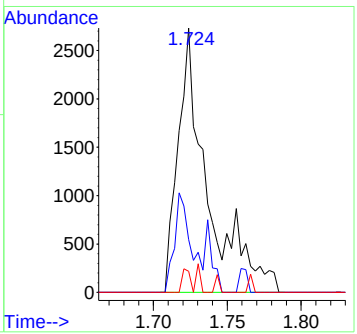


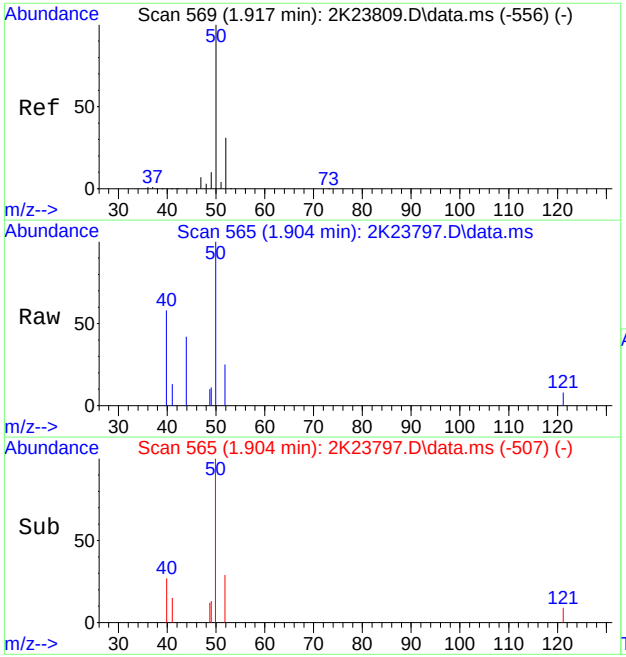


#7
dichlorodifluoromethane
Concen: 0.53 ug/L
RT: 1.724 min Scan# 509
Delta R.T. -0.006 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion: 85 Resp: 3800

Ion	Ratio	Lower	Upper
85	100		
87	19.9	3.4	63.4
101	7.9	0.0	39.0

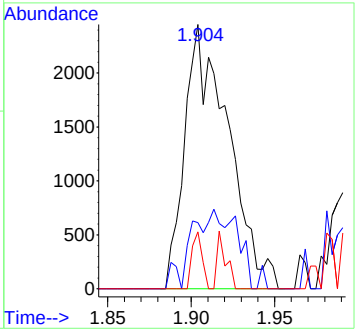


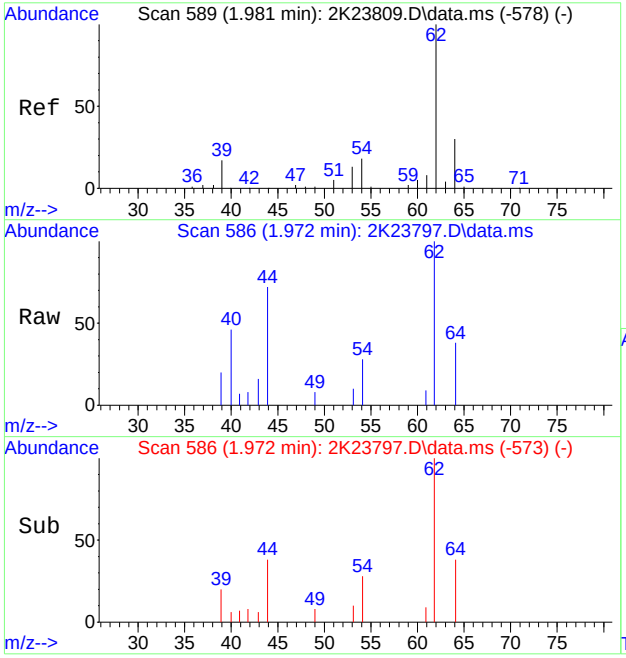


#8
chloromethane
Concen: 0.55 ug/L
RT: 1.904 min Scan# 565
Delta R.T. -0.013 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion: 50 Resp: 4436

Ion	Ratio	Lower	Upper
50	100		
52	25.0	0.8	60.8
49	21.5	0.0	40.1

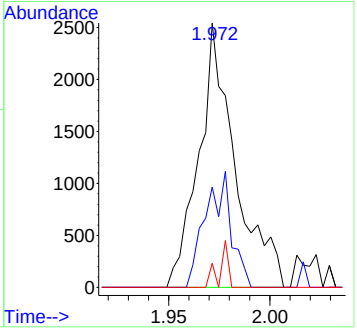


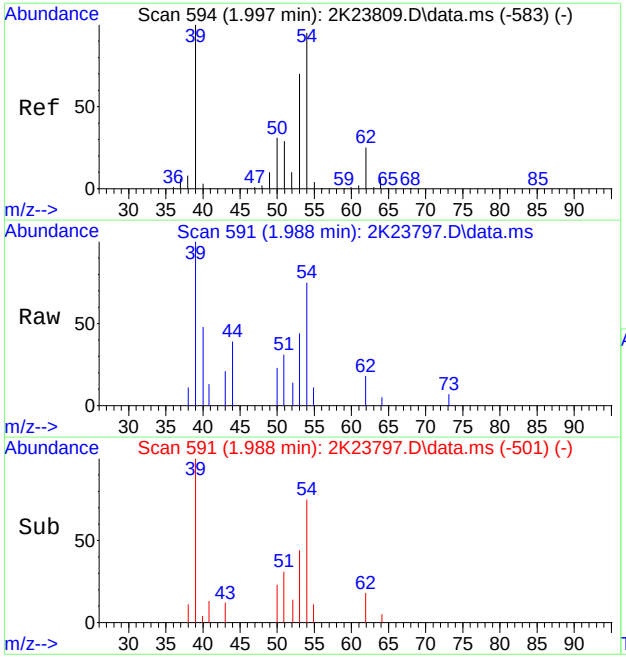


#9
vinyl chloride
Concen: 0.45 ug/L
RT: 1.972 min Scan# 586
Delta R.T. -0.010 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion: 62 Resp: 3186

Ion	Ratio	Lower	Upper
62	100		
64	38.0	0.0	60.0
61	9.2	0.0	37.6

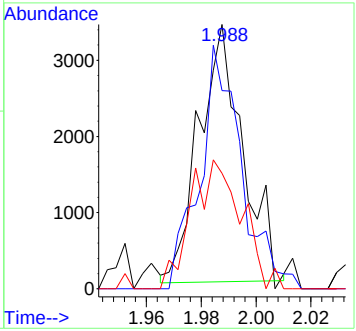


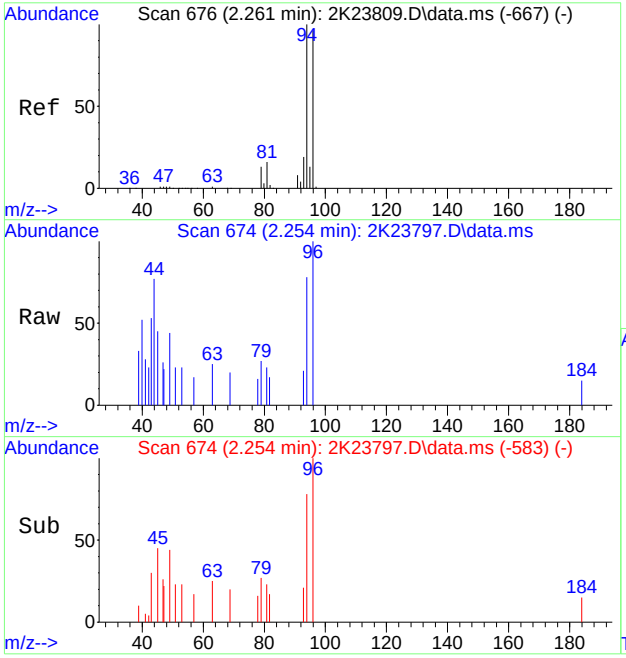


#10
1,3-butadiene
Concen: 0.56 ug/L
RT: 1.988 min Scan# 591
Delta R.T. -0.010 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion: 39 Resp: 3723

Ion	Ratio	Lower	Upper
39	100		
54	79.0	65.4	125.4
53	46.0	40.3	100.3

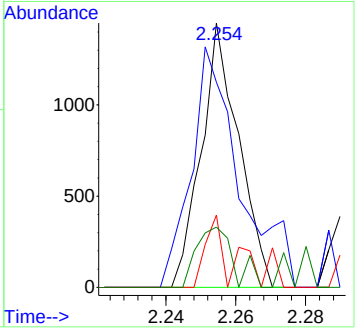


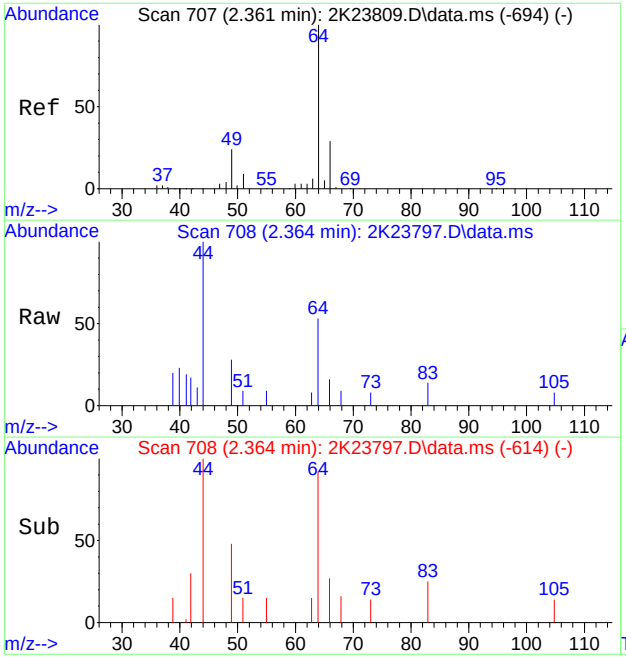


#11
bromomethane
Concen: 0.48 ug/L
RT: 2.254 min Scan# 674
Delta R.T. -0.006 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion: 96 Resp: 1080

Ion	Ratio	Lower	Upper
96	100		
94	77.6	74.5	134.5
79	27.3	13.7	13.7#
81	22.8	0.0	36.3

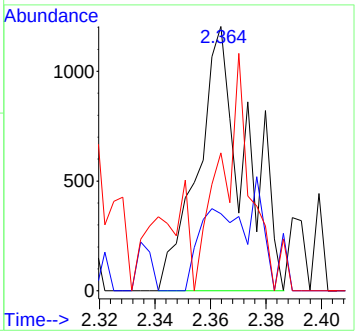


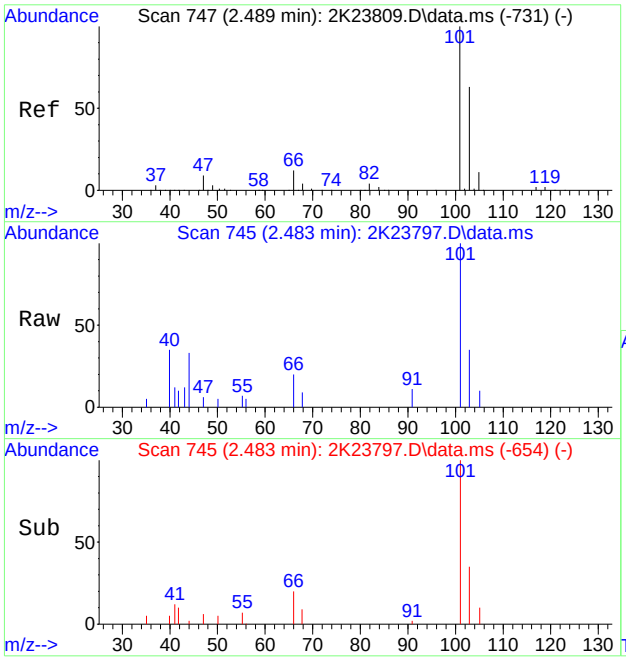


#12
chloroethane
Concen: 0.41 ug/L m
RT: 2.364 min Scan# 708
Delta R.T. 0.003 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion: 64 Resp: 1447

Ion	Ratio	Lower	Upper
64	100		
66	29.1	0.0	59.3
49	52.1	0.0	54.3

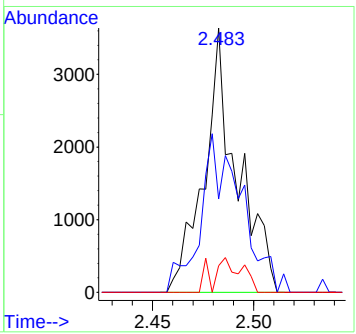


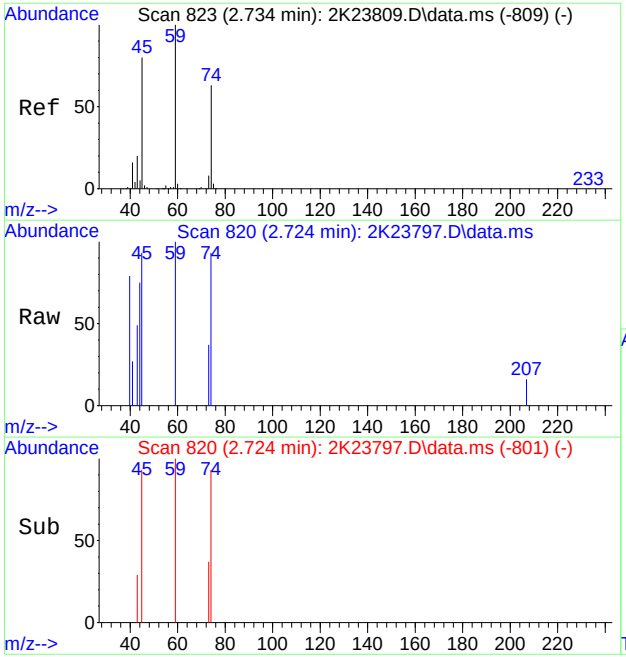


#13
trichlorofluoromethane
Concen: 0.43 ug/L
RT: 2.483 min Scan# 745
Delta R.T. -0.006 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion:101 Resp: 4126

Ion	Ratio	Lower	Upper
101	100		
103	35.3	33.3	93.3
105	10.1	0.0	40.7

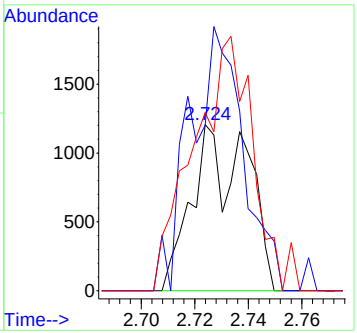


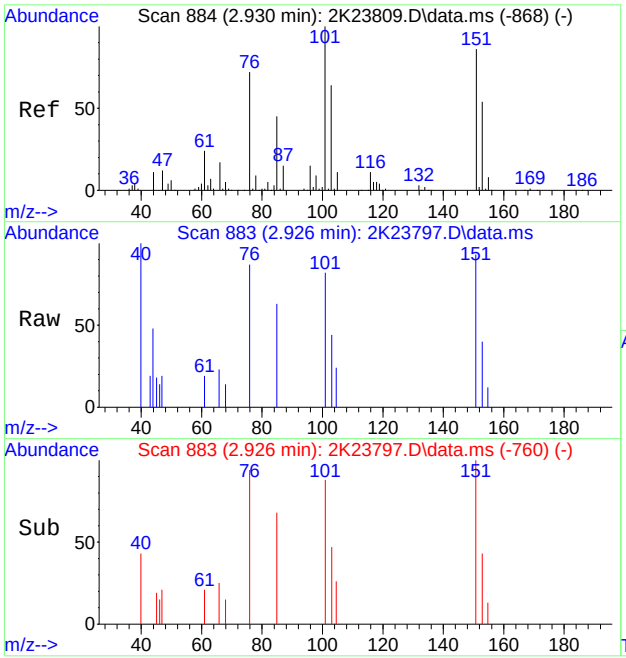


#14
ethyl ether
Concen: 0.50 ug/L m
RT: 2.724 min Scan# 820
Delta R.T. -0.010 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion: 74 Resp: 1716

Ion	Ratio	Lower	Upper
74	100		
45	99.7	96.7	156.7
59	107.2	128.9	188.9#

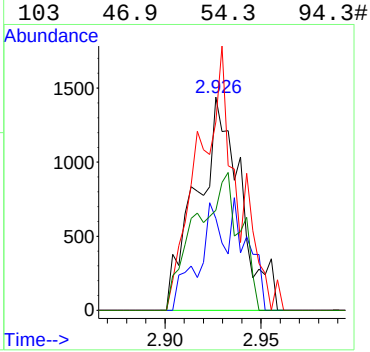


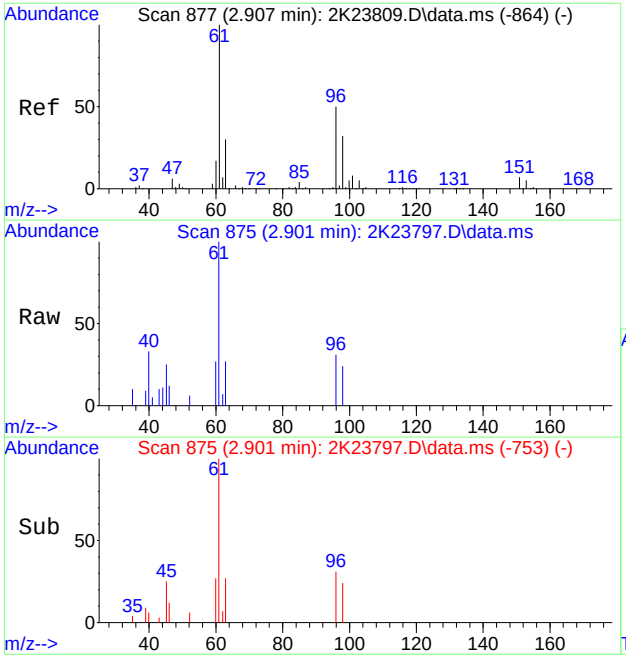


#16
freon 113
Concen: 0.56 ug/L
RT: 2.926 min Scan# 883
Delta R.T. -0.003 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion:151 Resp: 2299

Ion	Ratio	Lower	Upper
151	100		
153	43.1	43.0	83.0
101	88.3	95.9	135.9#
103	46.9	54.3	94.3#

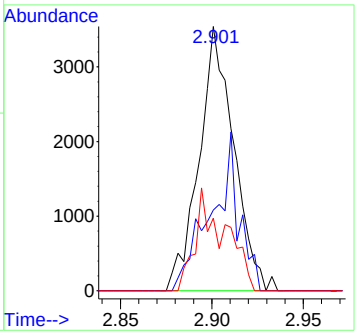


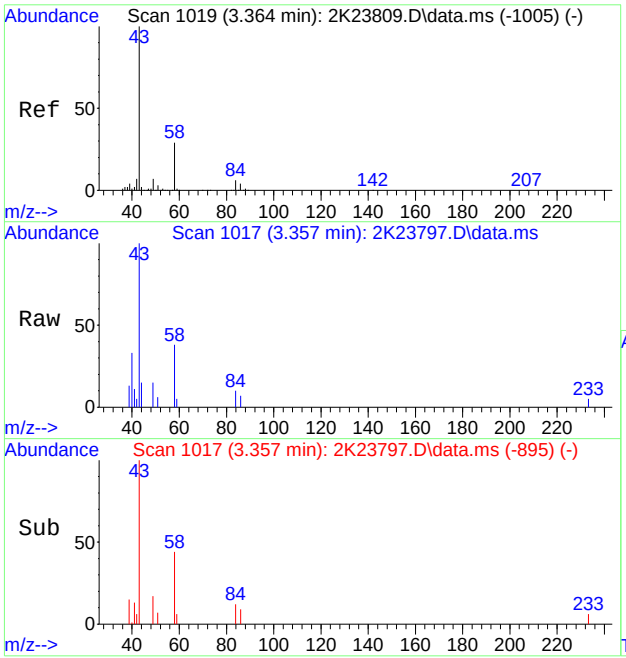


#17
1,1-dichloroethene
Concen: 0.53 ug/L
RT: 2.901 min Scan# 875
Delta R.T. -0.006 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion: 61 Resp: 4680

Ion	Ratio	Lower	Upper
61	100		
96	30.5	19.8	79.8
63	27.5	0.4	60.4

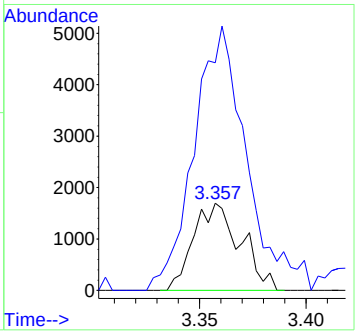


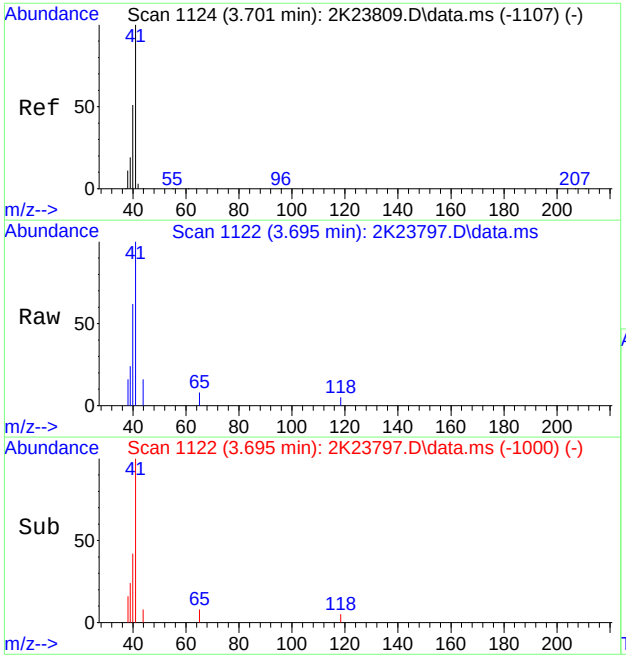


#18
acetone
Concen: 2.52 ug/L
RT: 3.357 min Scan# 1017
Delta R.T. -0.006 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion: 58 Resp: 2601

Ion	Ratio	Lower	Upper
58	100		
43	243.1	317.9	377.9#

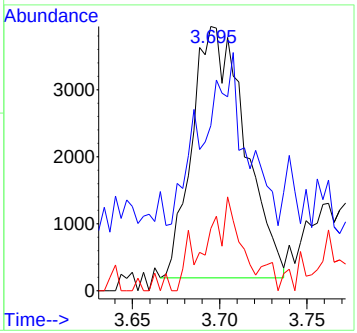


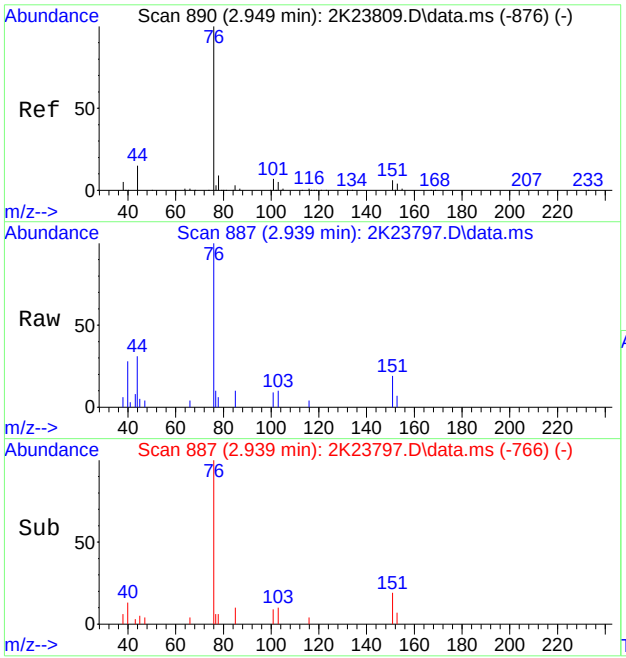


#19
acetonitrile
Concen: 4.81 ug/L
RT: 3.695 min Scan# 1122
Delta R.T. -0.006 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion: 41 Resp: 7897

Ion	Ratio	Lower	Upper
41	100		
40	26.5	20.7	80.7
39	24.8	0.0	48.9

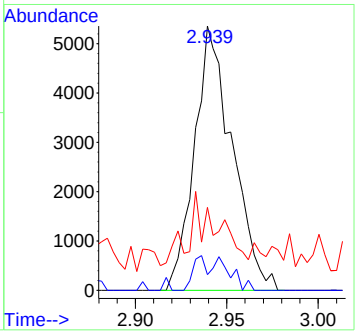


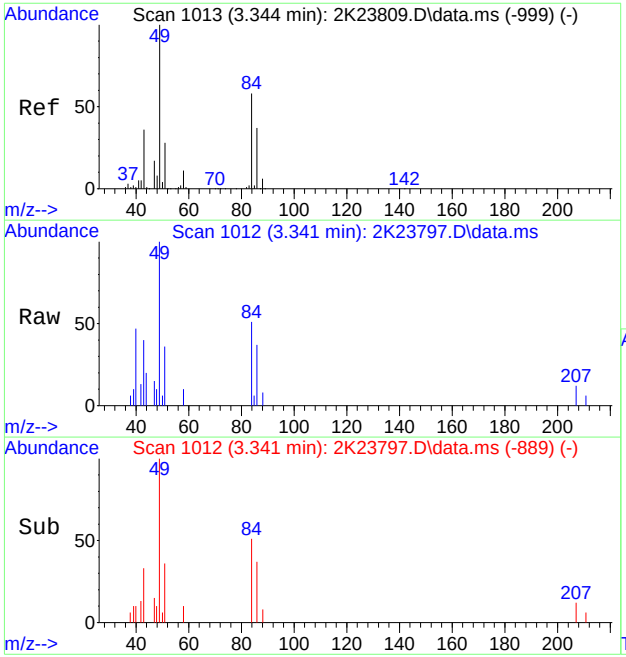


#21
carbon disulfide
Concen: 0.52 ug/L
RT: 2.939 min Scan# 887
Delta R.T. -0.010 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion: 76 Resp: 7725

Ion	Ratio	Lower	Upper
76	100		
78	6.0	0.0	39.4
44	22.1	0.0	44.9

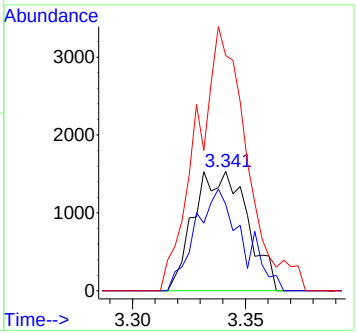


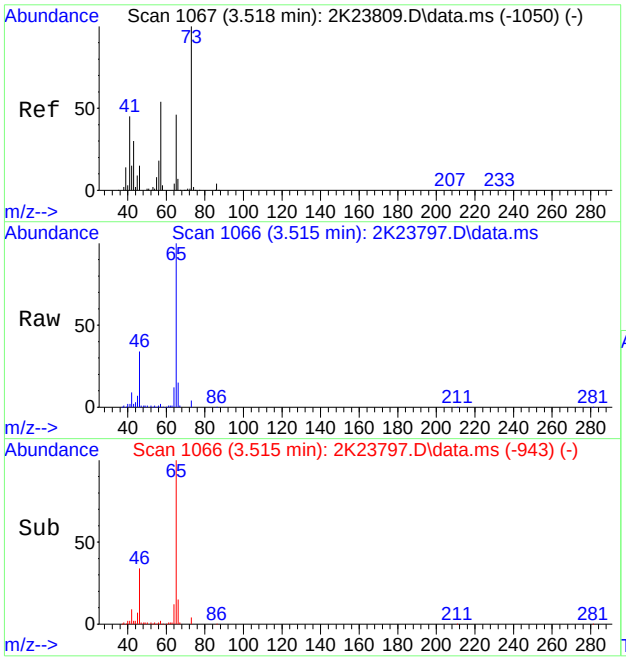


#22
methylene chloride
Concen: 0.50 ug/L
RT: 3.341 min Scan# 1012
Delta R.T. -0.003 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion: 84 Resp: 2510

Ion	Ratio	Lower	Upper
84	100		
86	72.6	33.4	93.4
49	197.5	141.9	201.9

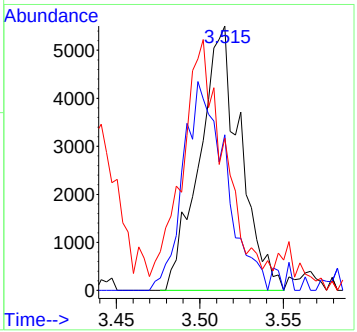


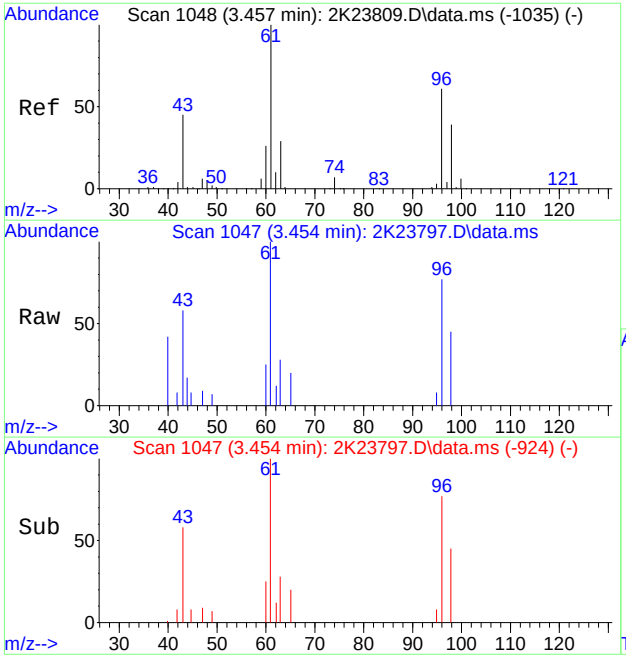


#24
methyl tert butyl ether
Concen: 0.52 ug/L
RT: 3.515 min Scan# 1066
Delta R.T. -0.003 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion: 73 Resp: 9361

Ion	Ratio	Lower	Upper
73	100		
57	58.8	23.8	83.8
43	46.1	11.7	71.7

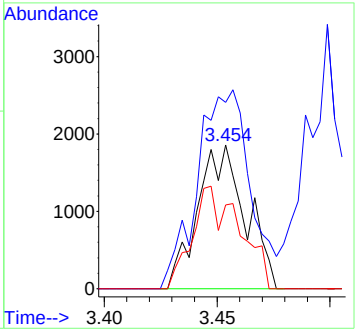


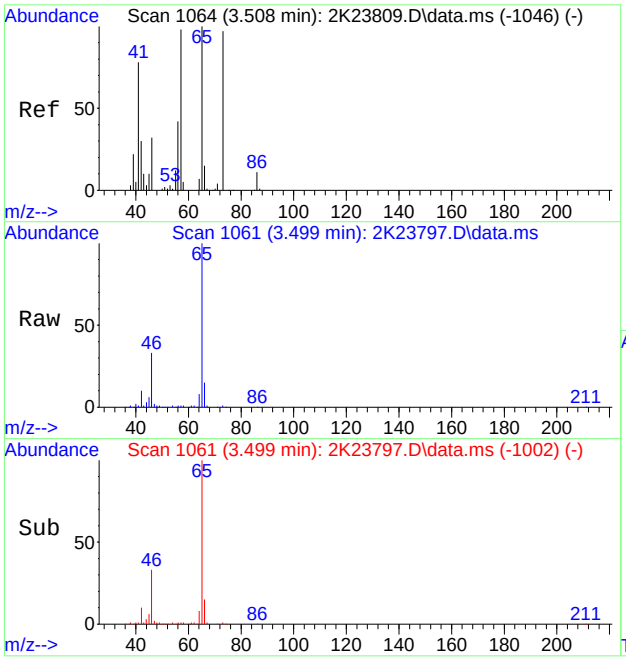


#25
trans-1,2-dichloroethene
Concen: 0.51 ug/L
RT: 3.454 min Scan# 1047
Delta R.T. -0.003 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion: 96 Resp: 2724

Ion	Ratio	Lower	Upper
96	100		
61	129.5	132.8	192.8#
98	58.3	34.2	94.2

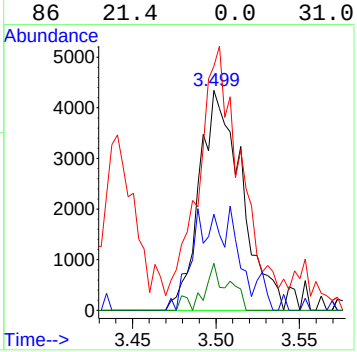


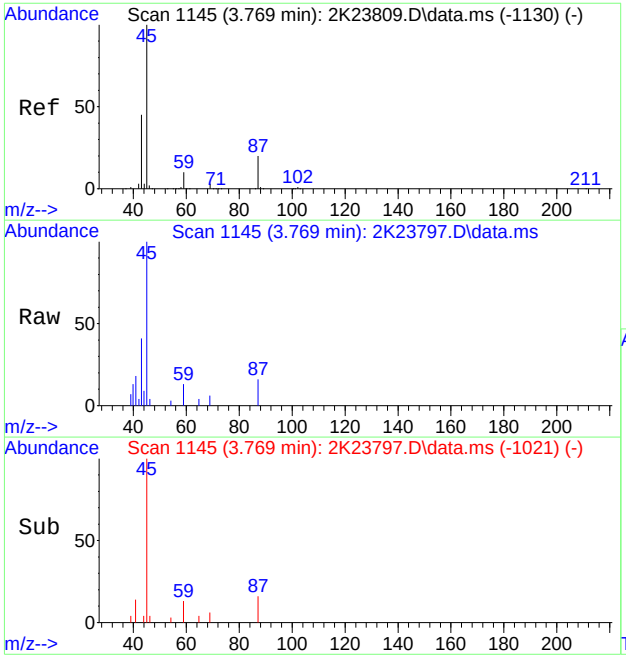


#26
hexane
Concen: 0.56 ug/L
RT: 3.499 min Scan# 1061
Delta R.T. -0.010 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion: 57 Resp: 7682

Ion	Ratio	Lower	Upper
57	100		
56	43.7	22.5	62.5
43	96.7	45.1	85.1#
86	21.4	0.0	31.0

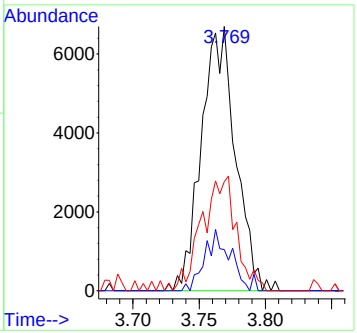


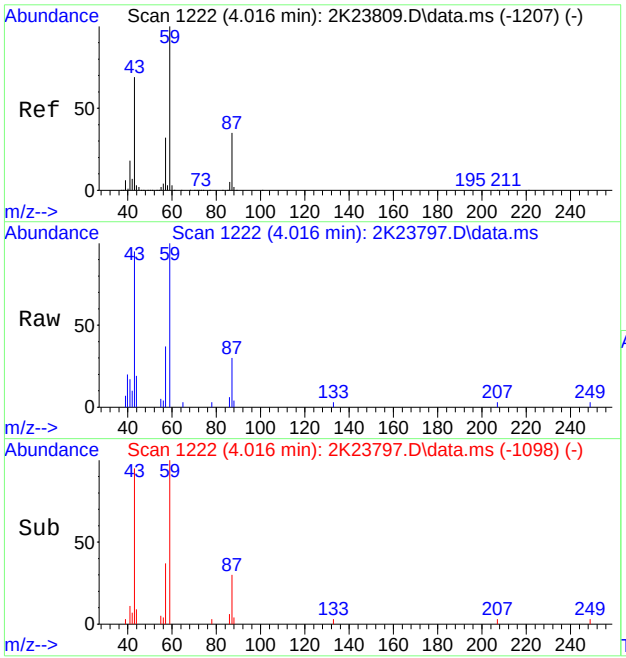


#27
di-isopropyl ether
Concen: 0.51 ug/L
RT: 3.769 min Scan# 1145
Delta R.T. -0.000 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion: 45 Resp: 12047

Ion	Ratio	Lower	Upper
45	100		
87	15.6	0.0	49.8
43	41.3	15.4	75.4

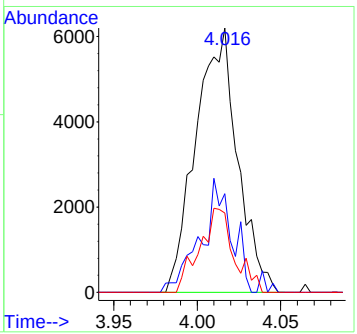


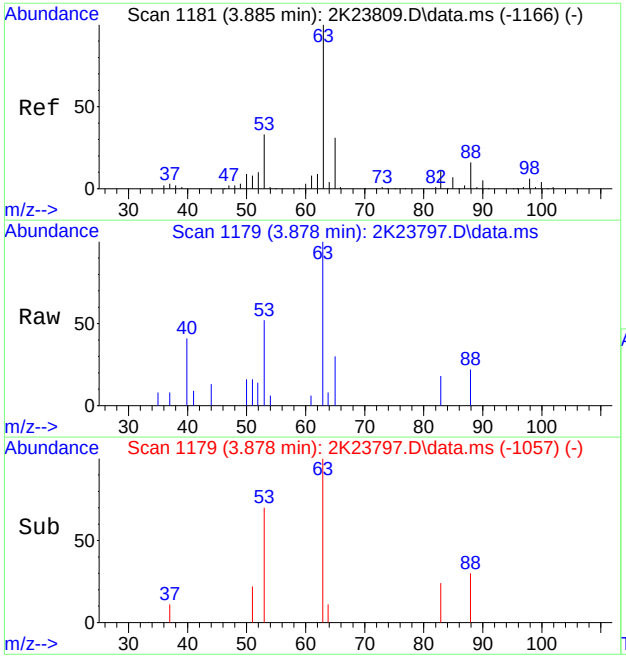


#28
ethyl tert-butyl ether
Concen: 0.51 ug/L
RT: 4.016 min Scan# 1222
Delta R.T. -0.000 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion: 59 Resp: 10738

Ion	Ratio	Lower	Upper
59	100		
57	37.3	1.6	61.6
87	30.0	5.2	65.2

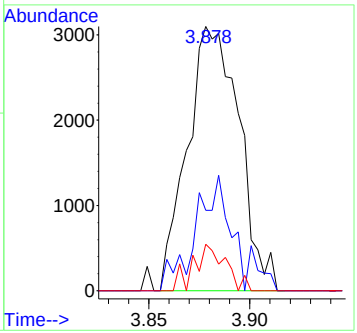


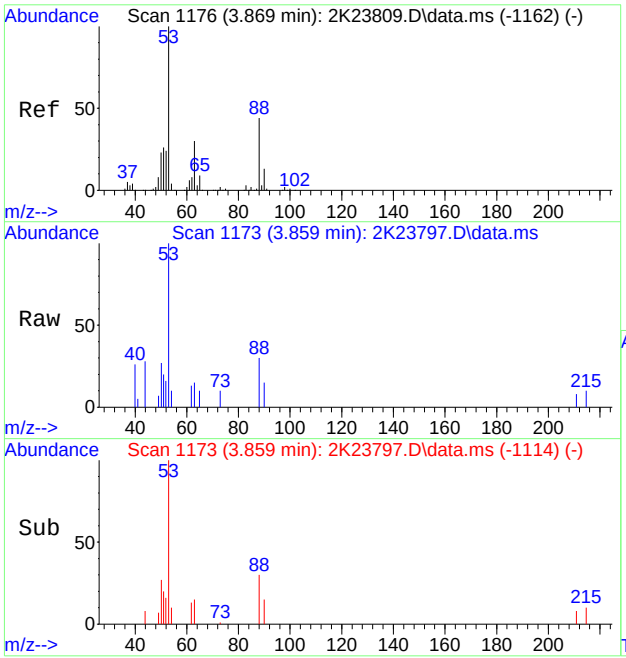


#30
1,1-dichloroethane
Concen: 0.51 ug/L
RT: 3.878 min Scan# 1179
Delta R.T. -0.006 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion: 63 Resp: 5540

Ion	Ratio	Lower	Upper
63	100		
65	30.5	0.5	60.5
83	17.6	0.0	41.0

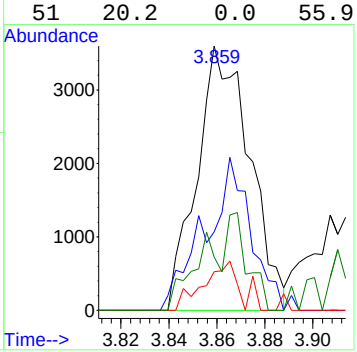


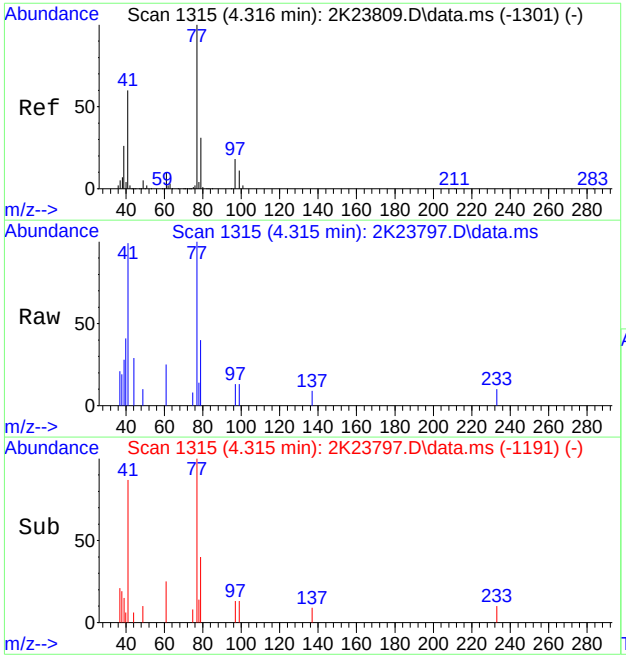


#31
chloroprene
Concen: 0.45 ug/L
RT: 3.859 min Scan# 1173
Delta R.T. -0.010 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion: 53 Resp: 5484

Ion	Ratio	Lower	Upper
53	100		
88	29.7	14.2	74.2
90	14.6	0.0	42.9
51	20.2	0.0	55.9

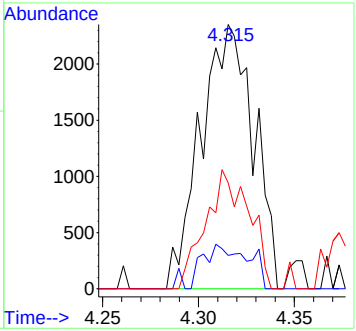


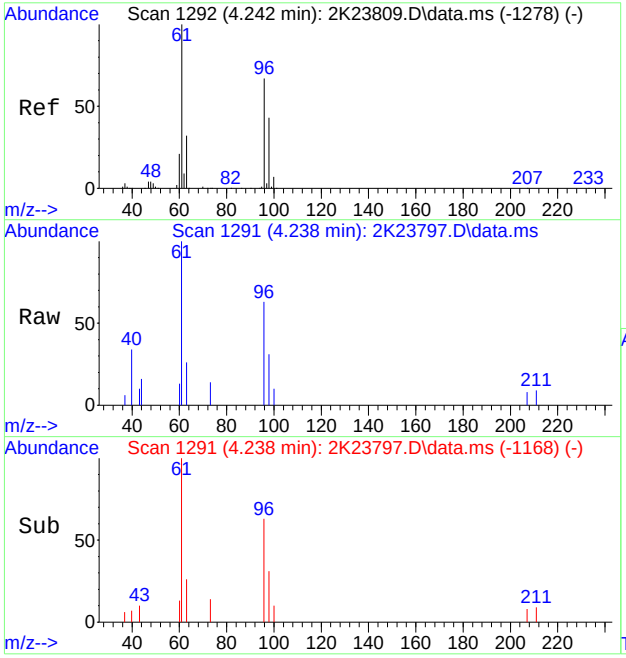


#35
2,2-dichloropropane
Concen: 0.55 ug/L
RT: 4.315 min Scan# 1315
Delta R.T. -0.000 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion: 77 Resp: 4515

Ion	Ratio	Lower	Upper
77	100		
97	12.7	0.0	47.7
79	40.1	0.6	60.6

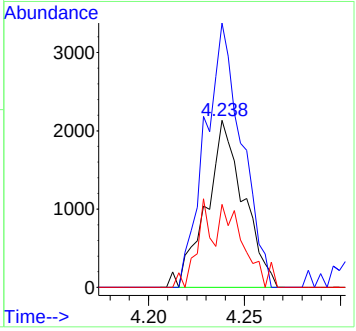


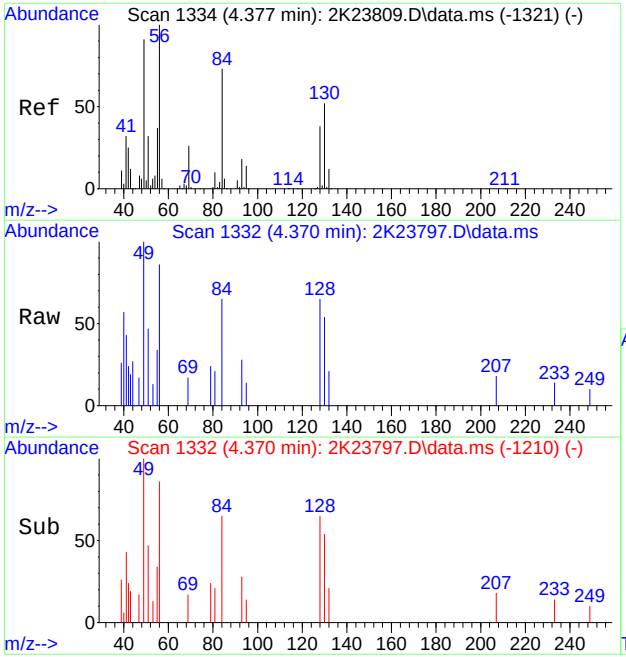


#36
cis-1,2-dichloroethene
Concen: 0.53 ug/L
RT: 4.238 min Scan# 1291
Delta R.T. -0.003 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion: 96 Resp: 2891

Ion	Ratio	Lower	Upper
96	100		
61	158.1	118.2	178.2
98	49.6	34.3	94.3

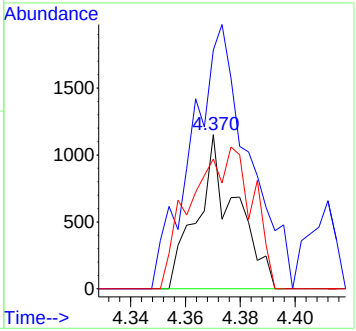


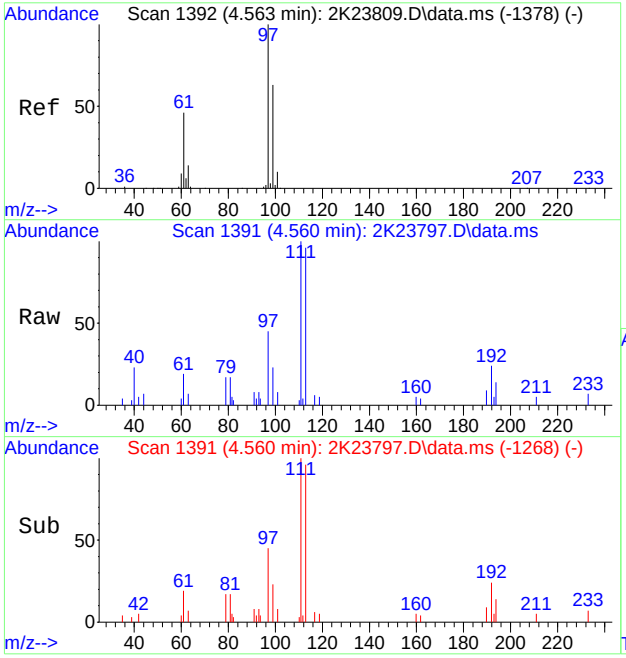


#39
bromochloromethane
Concen: 0.46 ug/L
RT: 4.370 min Scan# 1332
Delta R.T. -0.006 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion:128 Resp: 1132

Ion	Ratio	Lower	Upper
128	100		
49	123.5	213.9	273.9#
130	84.1	107.4	167.4#

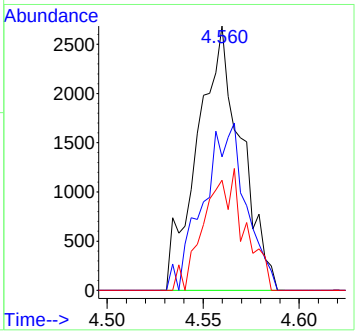


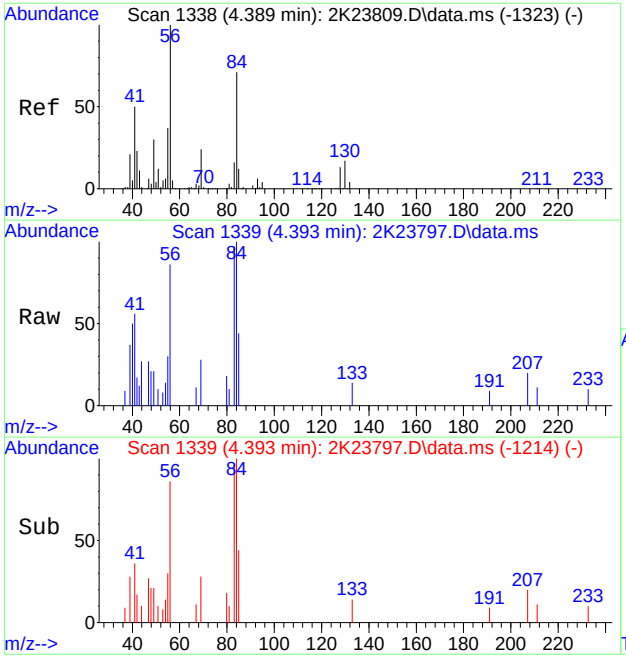


#44
1,1,1-trichloroethane
Concen: 0.47 ug/L
RT: 4.560 min Scan# 1391
Delta R.T. -0.003 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion: 97 Resp: 4262

Ion	Ratio	Lower	Upper
97	100		
99	50.5	32.8	92.8
61	41.6	16.5	76.5

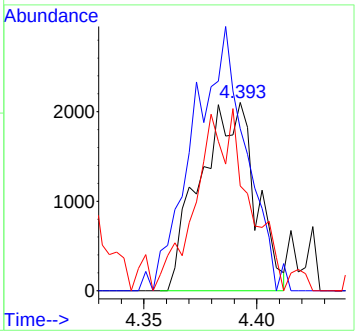


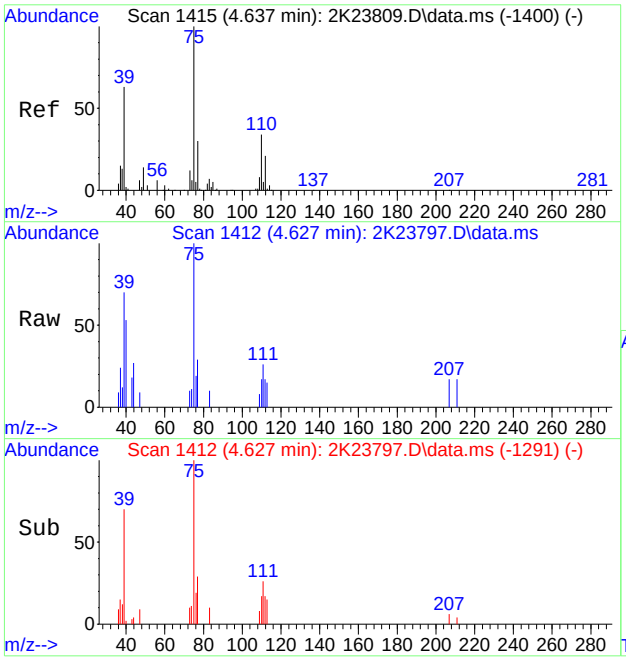


#45
cyclohexane
Concen: 0.44 ug/L
RT: 4.393 min Scan# 1339
Delta R.T. 0.003 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion: 84 Resp: 3591

Ion	Ratio	Lower	Upper
84	100		
56	71.5	120.0	160.0#
41	55.7	58.4	98.4#

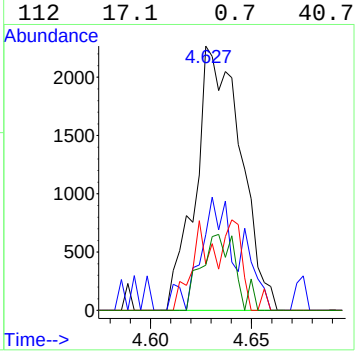


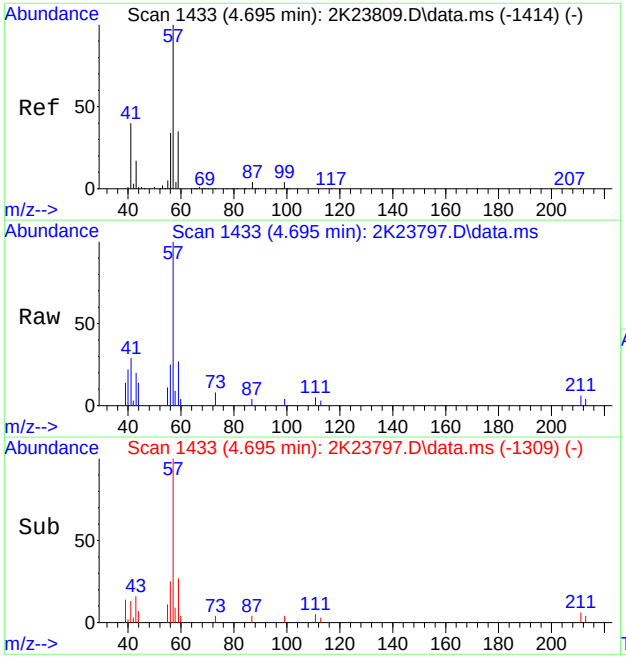


#46
1,1-dichloropropene
Concen: 0.47 ug/L
RT: 4.627 min Scan# 1412
Delta R.T. -0.010 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion: 75 Resp: 3544

Ion	Ratio	Lower	Upper
75	100		
77	28.6	10.5	50.5
110	17.5	14.4	54.4
112	17.1	0.7	40.7

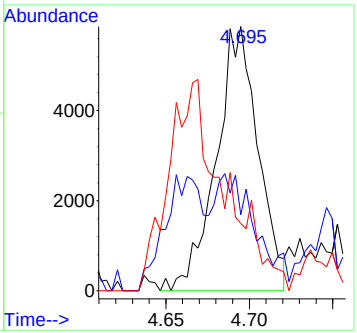


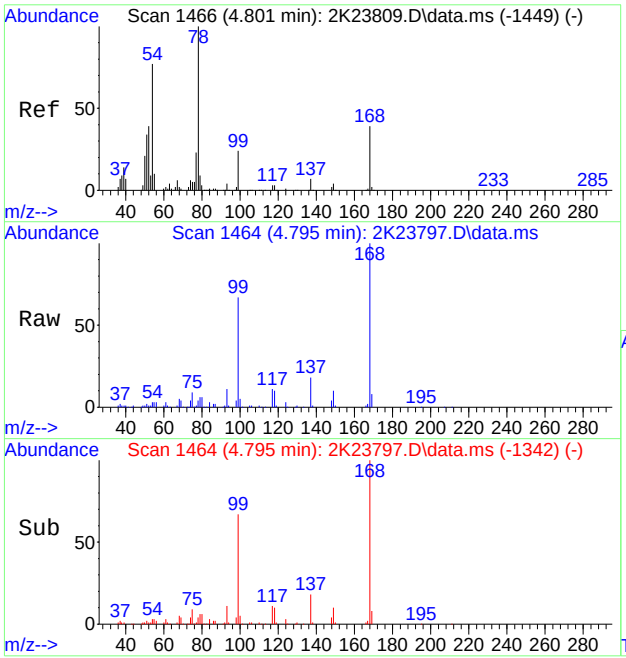


#52
iso-octane
Concen: 0.49 ug/L
RT: 4.695 min Scan# 1433
Delta R.T. -0.000 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion: 57 Resp: 10264

Ion	Ratio	Lower	Upper
57	100		
41	13.3	19.7	59.7#
56	16.8	14.3	54.3

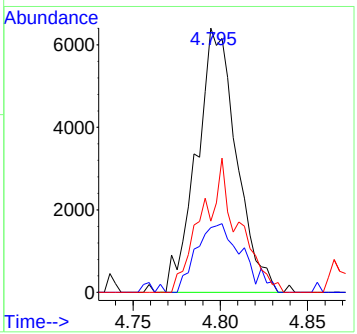


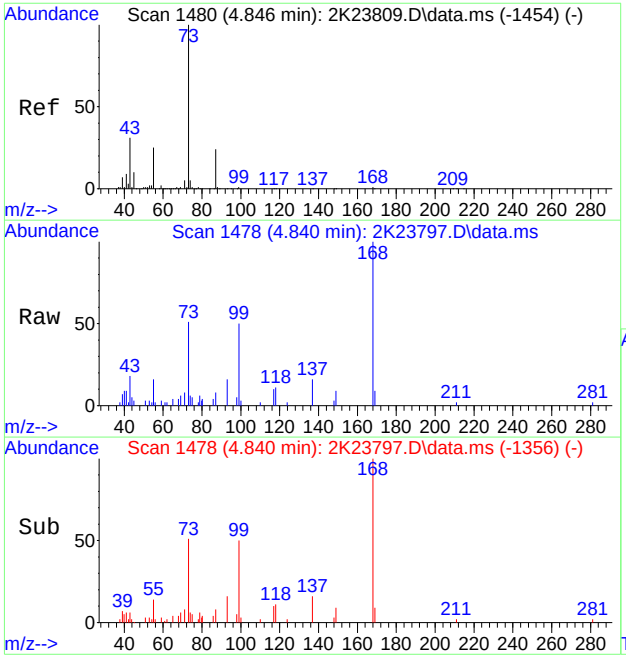


#53
benzene
Concen: 0.47 ug/L
RT: 4.795 min Scan# 1464
Delta R.T. -0.006 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion: 78 Resp: 10151

Ion	Ratio	Lower	Upper
78	100		
77	24.5	0.0	53.5
52	27.0	8.9	68.9

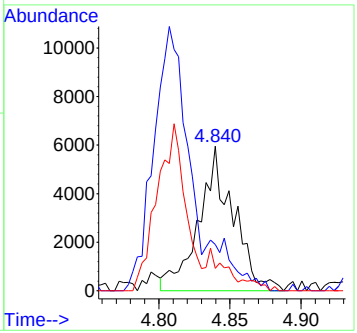


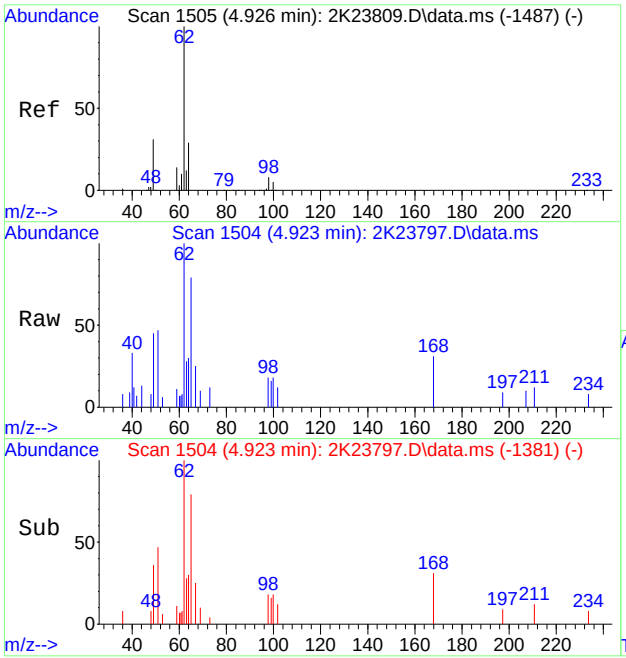


#54
tert-amyl methyl ether
Concen: 0.59 ug/L
RT: 4.840 min Scan# 1478
Delta R.T. -0.006 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion: 73 Resp: 9995

Ion	Ratio	Lower	Upper
73	100		
55	32.0	6.1	46.1
87	15.5	4.3	44.3

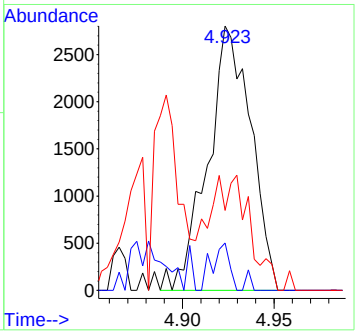


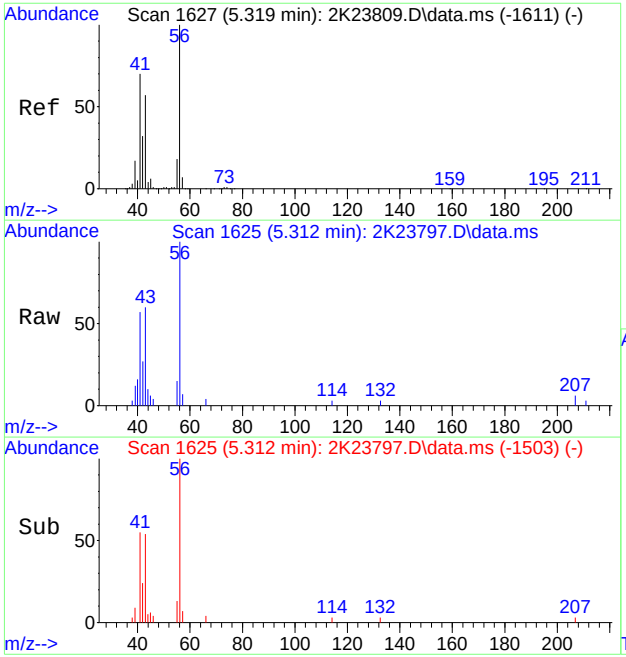


#57
1,2-dichloroethane
Concen: 0.60 ug/L
RT: 4.923 min Scan# 1504
Delta R.T. -0.003 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion: 62 Resp: 4614

Ion	Ratio	Lower	Upper
62	100		
98	17.9	0.0	38.3
64	30.3	0.0	59.6

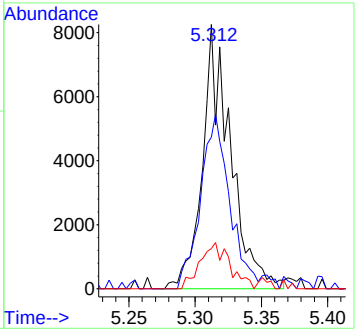


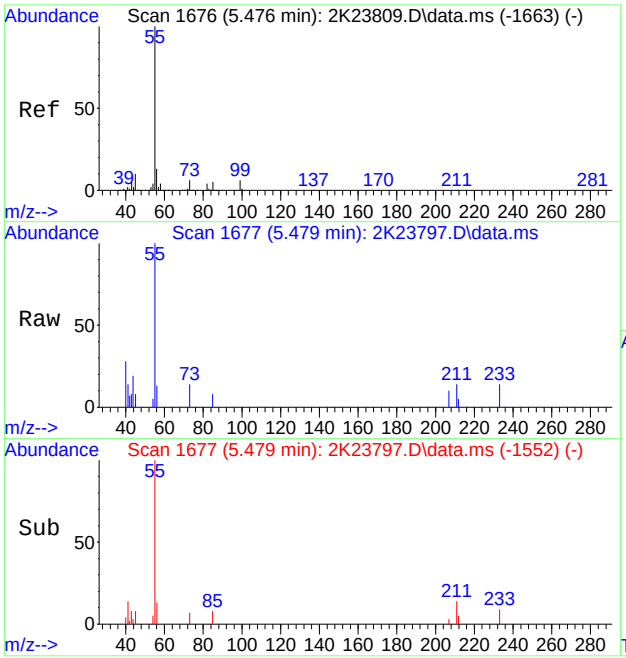


#58
n-butyl alcohol
Concen: 26.18 ug/L
RT: 5.312 min Scan# 1625
Delta R.T. -0.006 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion: 56 Resp: 12181

Ion	Ratio	Lower	Upper
56	100		
41	57.3	50.4	90.4
55	15.2	0.0	37.7

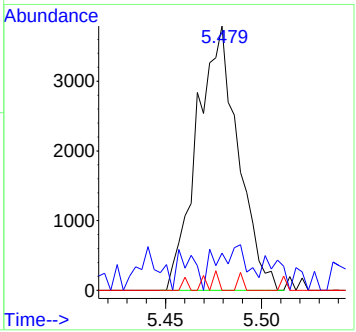


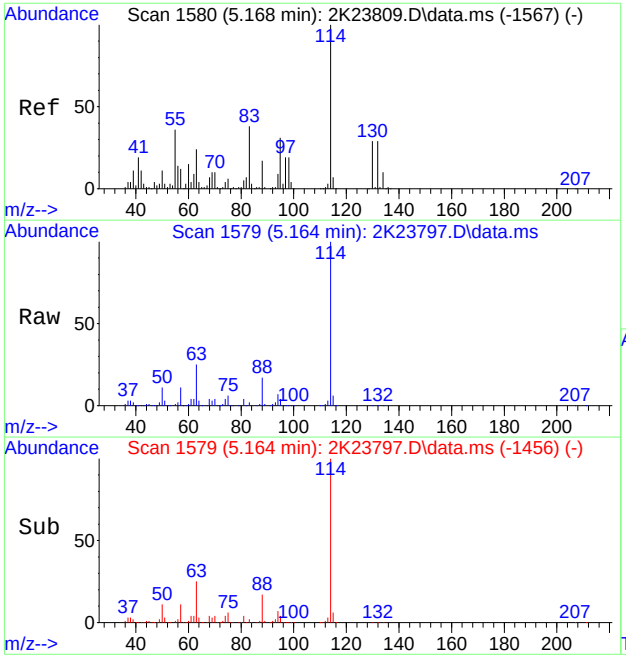


#59
ethyl acrylate
Concen: 0.50 ug/L
RT: 5.479 min Scan# 1677
Delta R.T. 0.003 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion: 55 Resp: 5662

Ion	Ratio	Lower	Upper
55	100		
73	7.4	0.0	36.2
99	0.0	0.0	36.0

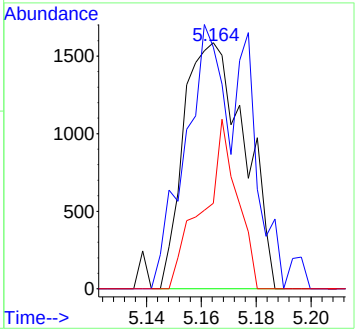


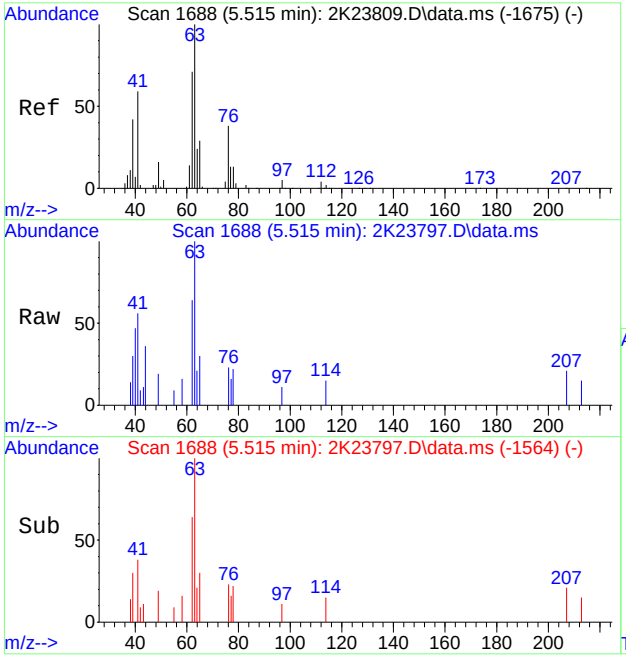


#60
trichloroethene
Concen: 0.47 ug/L
RT: 5.164 min Scan# 1579
Delta R.T. -0.003 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion:130 Resp: 2433

Ion	Ratio	Lower	Upper
130	100		
132	98.2	70.8	130.8
134	34.7	4.2	64.2

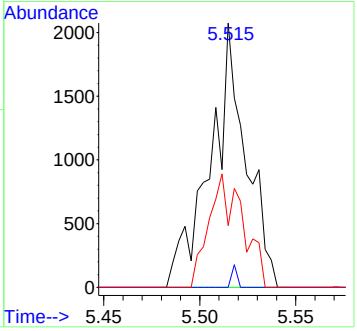


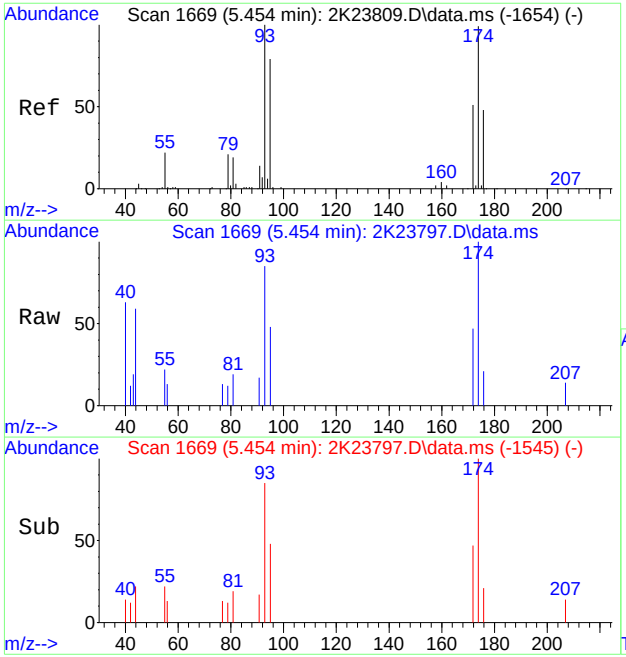


#64
1,2-dichloropropane
Concen: 0.45 ug/L
RT: 5.515 min Scan# 1688
Delta R.T. -0.000 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion: 63 Resp: 2695

Ion	Ratio	Lower	Upper
63	100		
112	0.0	0.0	33.7
76	23.3	7.9	67.9

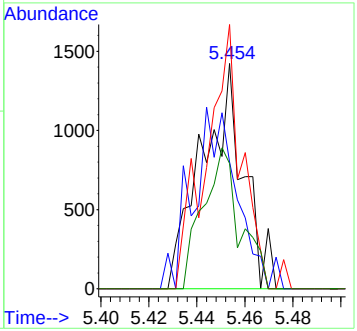


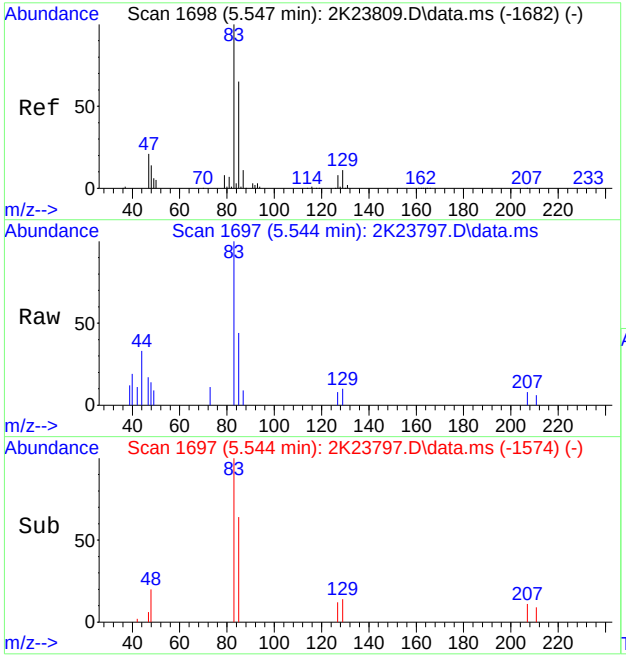


#66
dibromomethane
Concen: 0.57 ug/L
RT: 5.454 min Scan# 1669
Delta R.T. -0.000 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion: 93 Resp: 1705

Ion	Ratio	Lower	Upper
93	100		
95	56.3	49.5	109.5
174	117.4	68.7	128.7
172	55.6	30.9	70.9

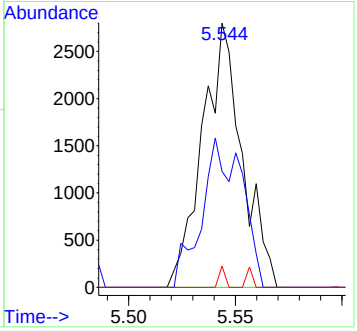


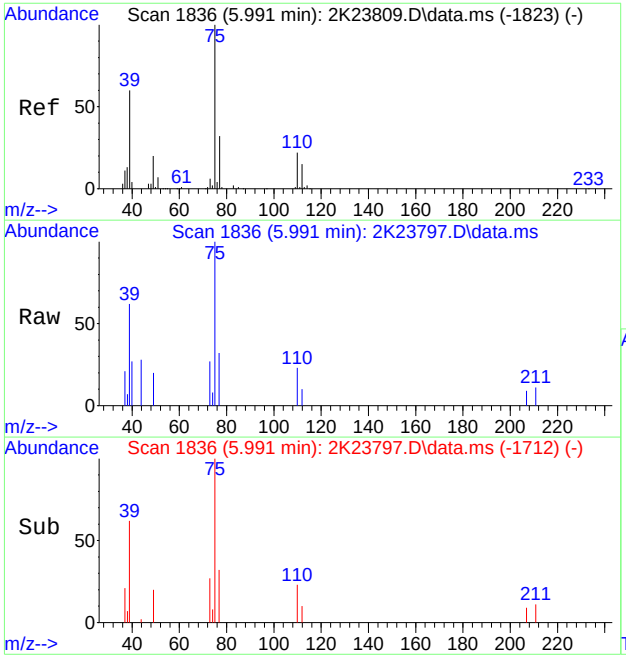


#67
bromodichloromethane
Concen: 0.54 ug/L
RT: 5.544 min Scan# 1697
Delta R.T. -0.003 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion: 83 Resp: 3616

Ion	Ratio	Lower	Upper
83	100		
85	43.9	36.5	96.5
127	8.1	0.0	37.8

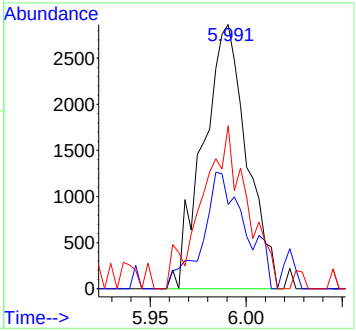


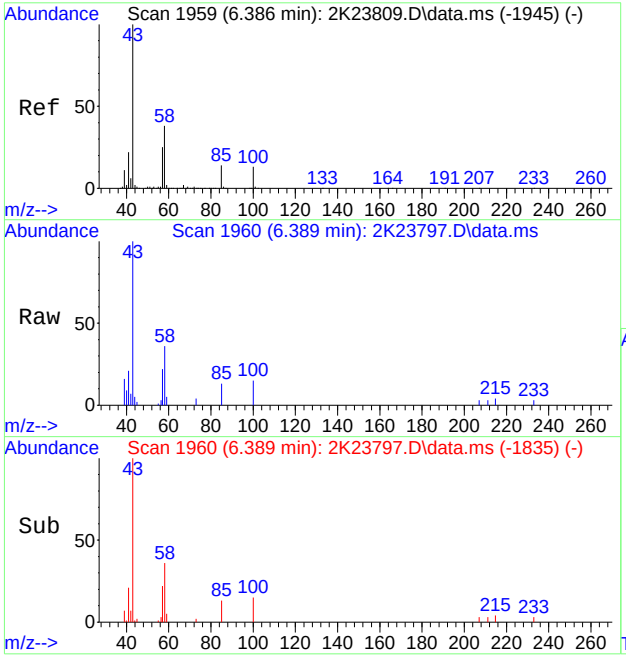


#69
cis-1,3-dichloropropene
Concen: 0.50 ug/L
RT: 5.991 min Scan# 1836
Delta R.T. -0.000 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion: 75 Resp: 4532

Ion	Ratio	Lower	Upper
75	100		
77	31.9	2.1	62.1
39	61.7	30.1	90.1

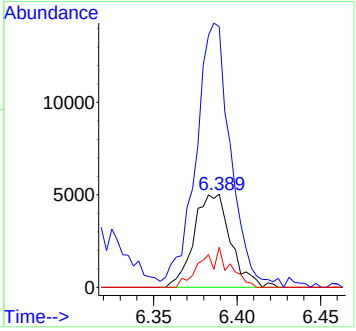


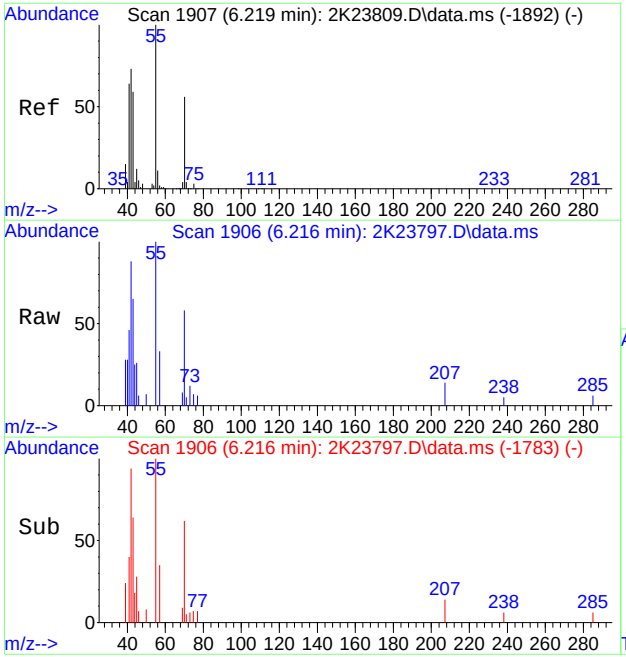


#70
4-methyl-2-pentanone
Concen: 2.15 ug/L
RT: 6.389 min Scan# 1960
Delta R.T. 0.003 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion: 58 Resp: 7720

Ion	Ratio	Lower	Upper
58	100		
43	278.8	244.4	304.4
100	42.8	4.8	64.8

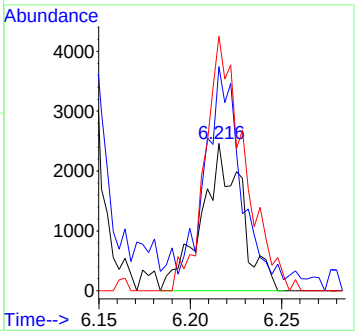


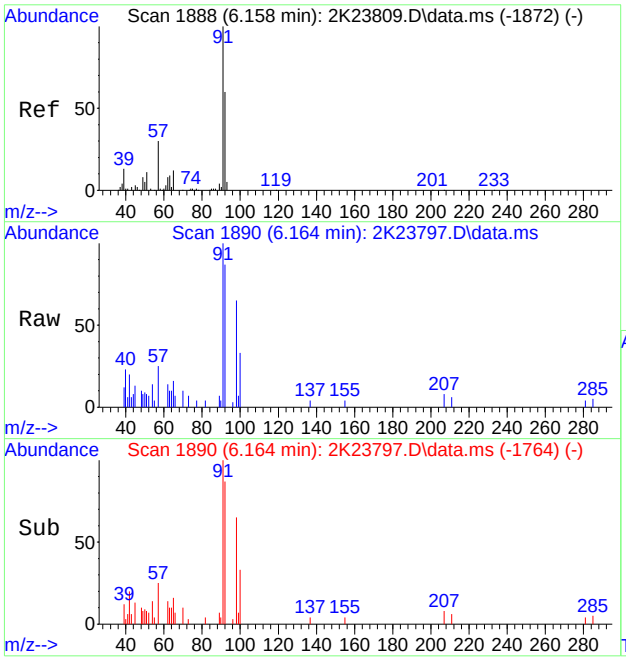


#71
3-methyl-1-butanol
Concen: 10.73 ug/L
RT: 6.216 min Scan# 1906
Delta R.T. -0.003 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion: 70 Resp: 3795

Ion	Ratio	Lower	Upper
70	100		
42	144.6	100.5	160.5
55	172.7	148.8	208.8

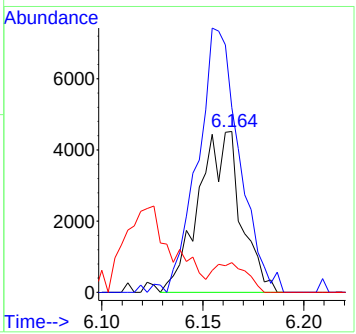


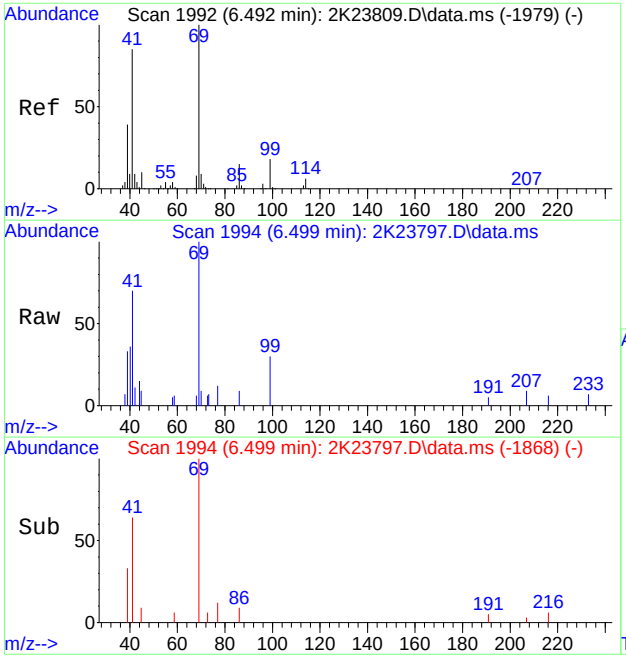


#74
toluene
Concen: 0.48 ug/L
RT: 6.164 min Scan# 1890
Delta R.T. 0.006 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion: 92 Resp: 6615

Ion	Ratio	Lower	Upper
92	100		
91	114.9	145.9	185.9#
65	18.4	0.5	40.5

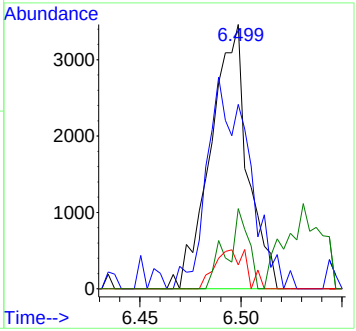


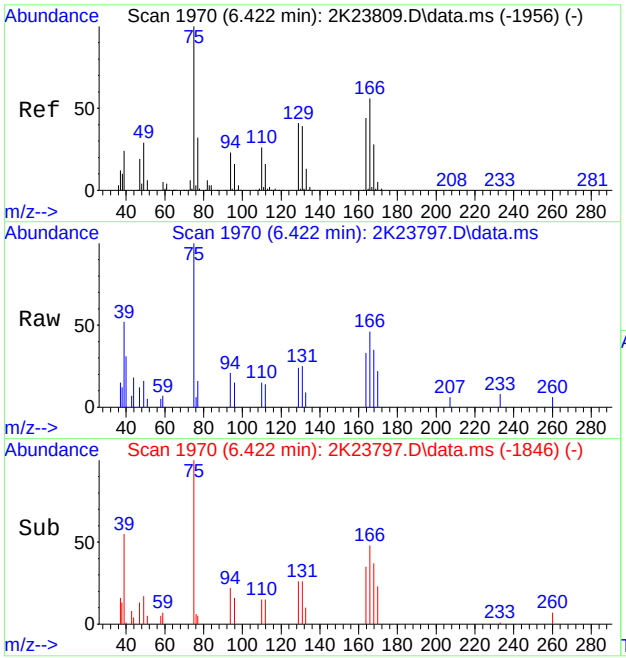


#75
ethyl methacrylate
Concen: 0.54 ug/L
RT: 6.499 min Scan# 1994
Delta R.T. 0.006 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion: 69 Resp: 4409

Ion	Ratio	Lower	Upper
69	100		
41	69.7	65.3	105.3
86	9.0	0.0	34.6
99	30.3	0.0	38.4

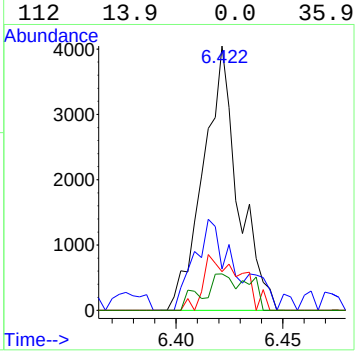


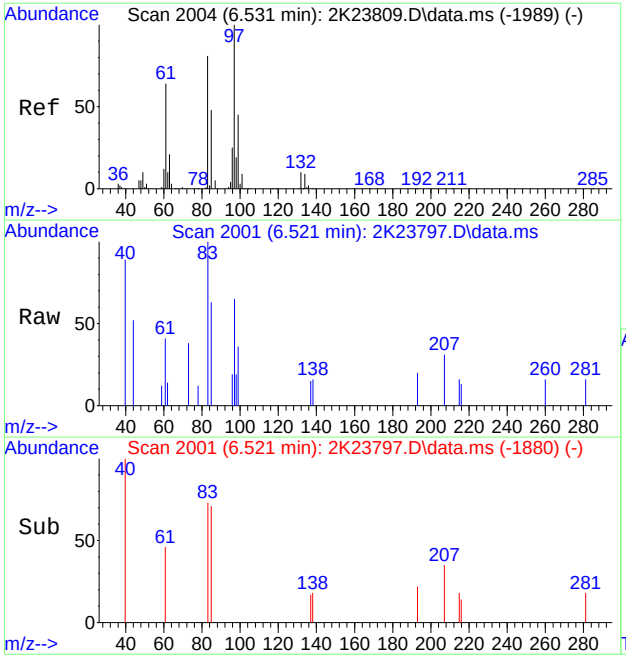


#76
trans-1,3-dichloropropene
Concen: 0.54 ug/L
RT: 6.422 min Scan# 1970
Delta R.T. -0.000 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion: 75 Resp: 4581

Ion	Ratio	Lower	Upper
75	100		
77	15.6	12.2	52.2
110	14.6	5.7	45.7
112	13.9	0.0	35.9

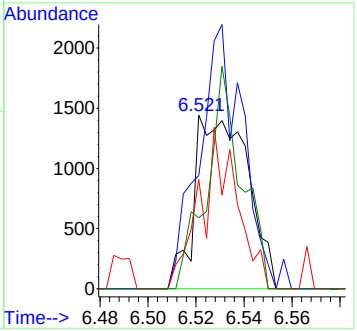


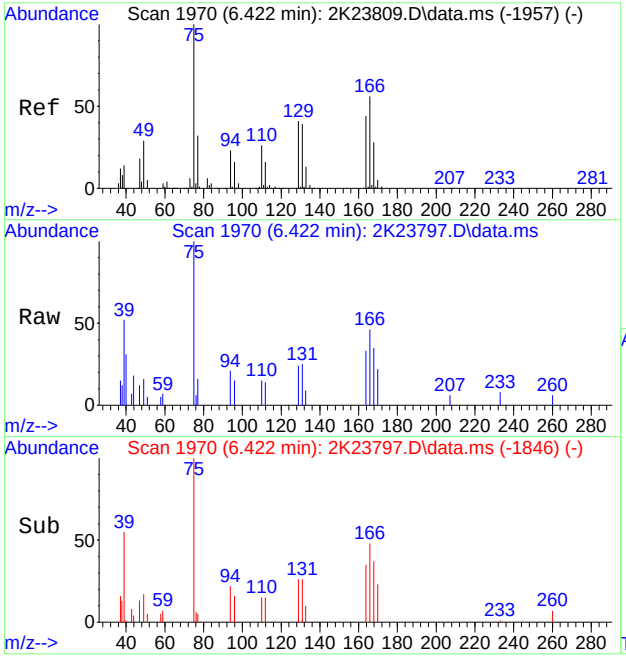


#77
1,1,2-trichloroethane
Concen: 0.55 ug/L
RT: 6.521 min Scan# 2001
Delta R.T. -0.010 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion: 83 Resp: 2236

Ion	Ratio	Lower	Upper
83	100		
97	65.1	103.4	143.4#
85	63.0	40.7	80.7
61	40.8	58.7	98.7#

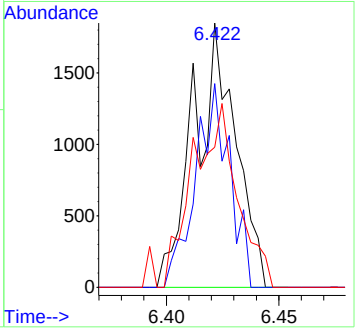


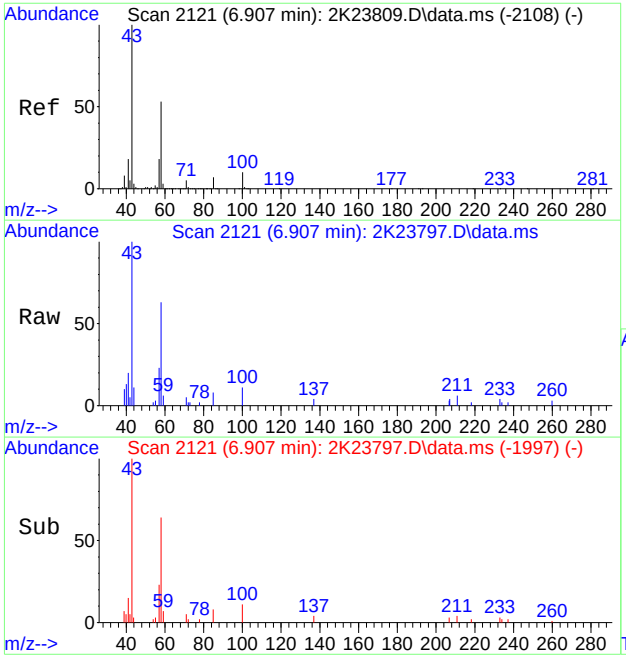


#78
tetrachloroethene
Concen: 0.48 ug/L m
RT: 6.422 min Scan# 1970
Delta R.T. -0.000 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion:166 Resp: 2380

Ion	Ratio	Lower	Upper
166	100		
168	77.1	19.1	79.1
129	53.0	42.7	102.7

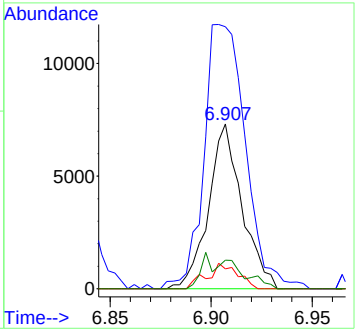


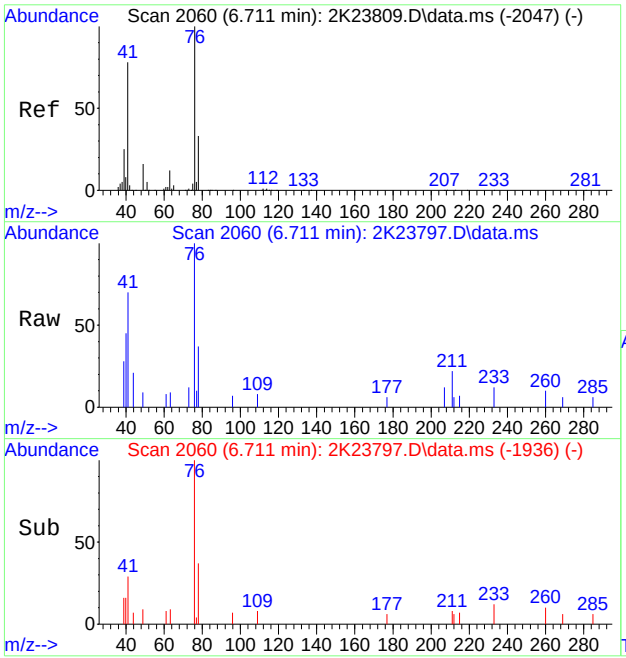


#79
2-hexanone
Concen: 2.06 ug/L
RT: 6.907 min Scan# 2121
Delta R.T. -0.000 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion: 58 Resp: 8426

Ion	Ratio	Lower	Upper
58	100		
43	159.0	168.9	208.9#
85	12.2	0.0	33.1
100	17.4	0.0	39.1

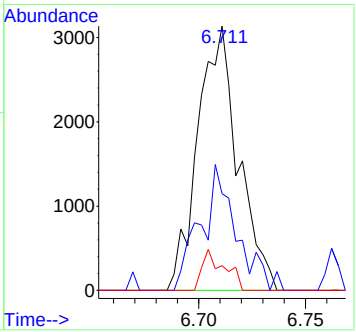


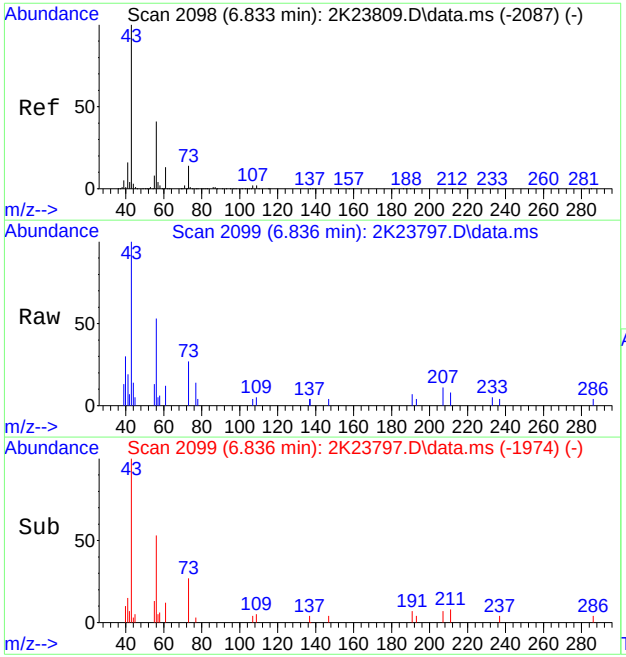


#80
1,3-dichloropropane
Concen: 0.47 ug/L
RT: 6.711 min Scan# 2060
Delta R.T. -0.000 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion: 76 Resp: 4138

Ion	Ratio	Lower	Upper
76	100		
78	36.6	2.9	62.9
63	9.4	0.0	42.3

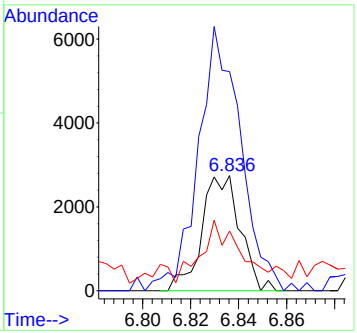


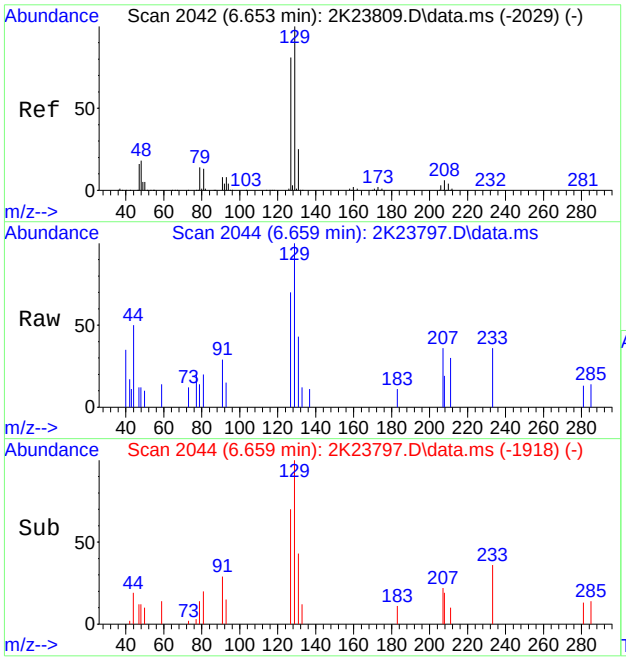


#81
butyl acetate
Concen: 0.54 ug/L
RT: 6.836 min Scan# 2099
Delta R.T. 0.003 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion: 56 Resp: 3048

Ion	Ratio	Lower	Upper
56	100		
43	190.3	213.5	273.5#
73	34.5	4.2	64.2

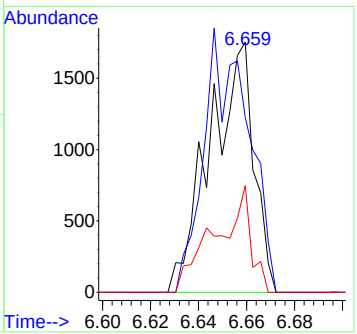


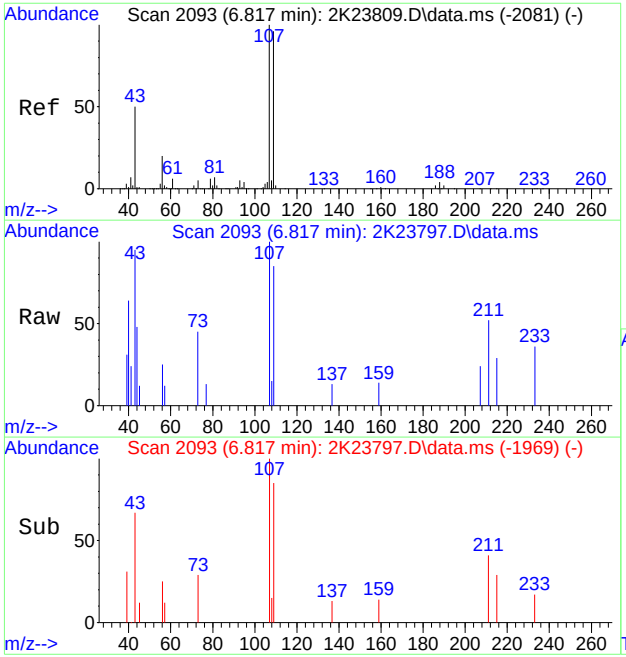


#82
dibromochloromethane
Concen: 0.42 ug/L
RT: 6.659 min Scan# 2044
Delta R.T. 0.006 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion:129 Resp: 2225

Ion	Ratio	Lower	Upper
129	100		
127	69.8	50.8	110.8
131	42.7	0.0	55.3

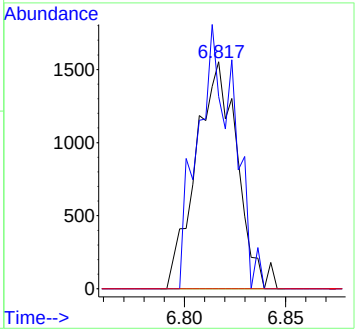


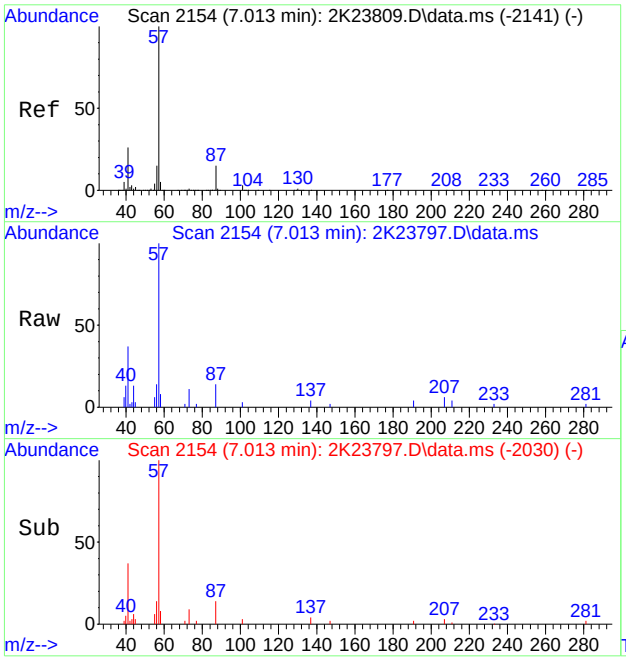


#83
1,2-dibromoethane
Concen: 0.48 ug/L
RT: 6.817 min Scan# 2093
Delta R.T. -0.000 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion:107 Resp: 2211

Ion	Ratio	Lower	Upper
107	100		
109	84.7	65.7	125.7
188	0.0	0.0	33.6

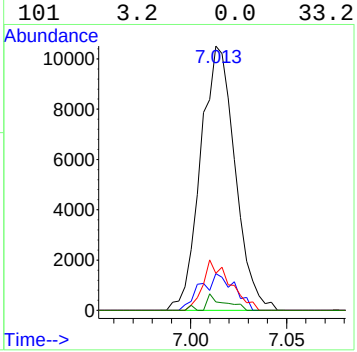


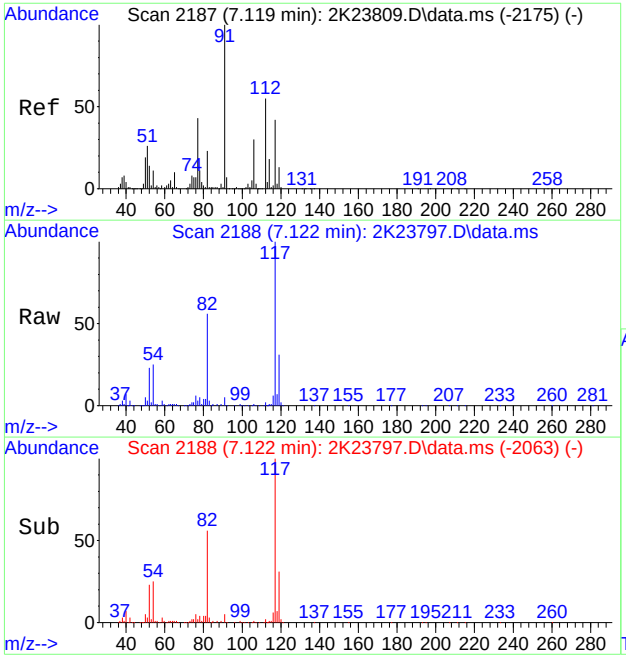


#84
n-butyl ether
Concen: 0.46 ug/L
RT: 7.013 min Scan# 2154
Delta R.T. -0.000 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion: 57 Resp: 13133

Ion	Ratio	Lower	Upper
57	100		
56	13.9	0.0	45.2
87	14.0	0.0	45.0
101	3.2	0.0	33.2

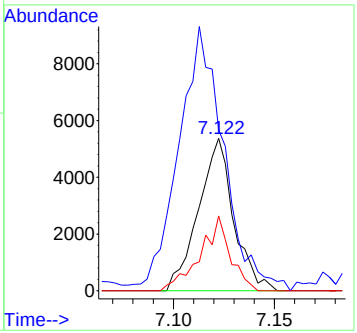


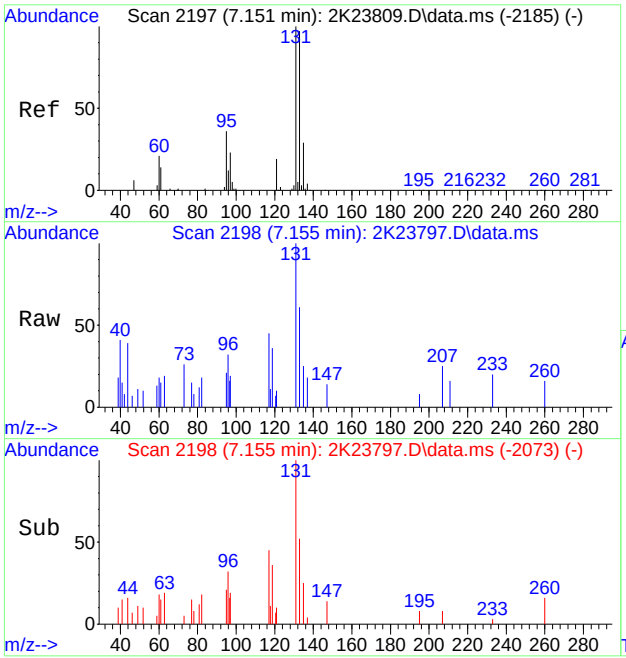


#85
chlorobenzene
Concen: 0.46 ug/L
RT: 7.122 min Scan# 2188
Delta R.T. 0.003 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion:112 Resp: 6499

Ion	Ratio	Lower	Upper
112	100		
77	98.6	49.5	109.5
114	49.0	2.1	62.1

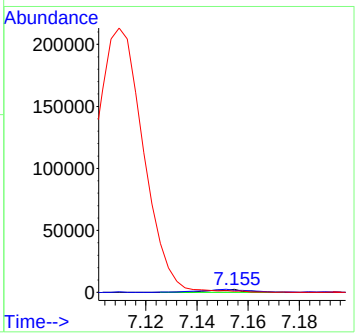


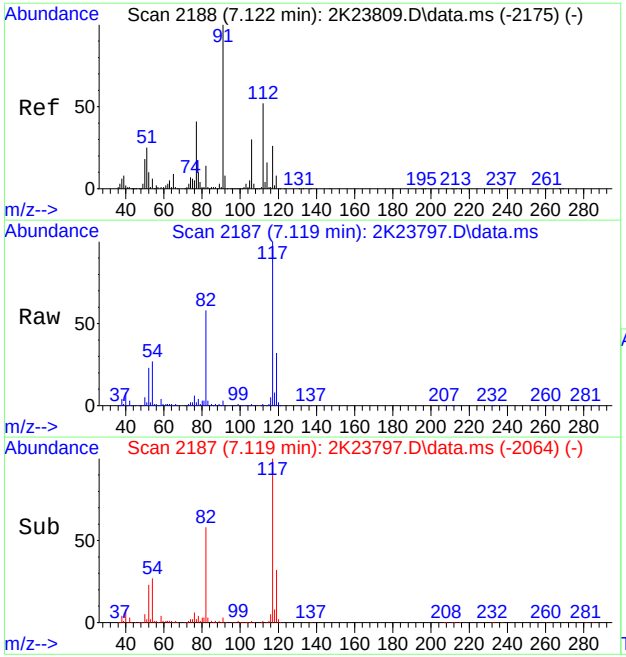


#86
1,1,1,2-tetrachloroethane
Concen: 0.50 ug/L
RT: 7.155 min Scan# 2198
Delta R.T. 0.003 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion:131 Resp: 2239

Ion	Ratio	Lower	Upper
131	100		
133	47.5	66.7	126.7#
119	27.3	31.1	91.1#

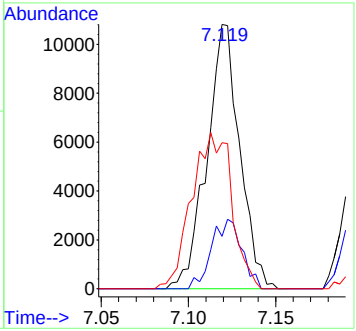


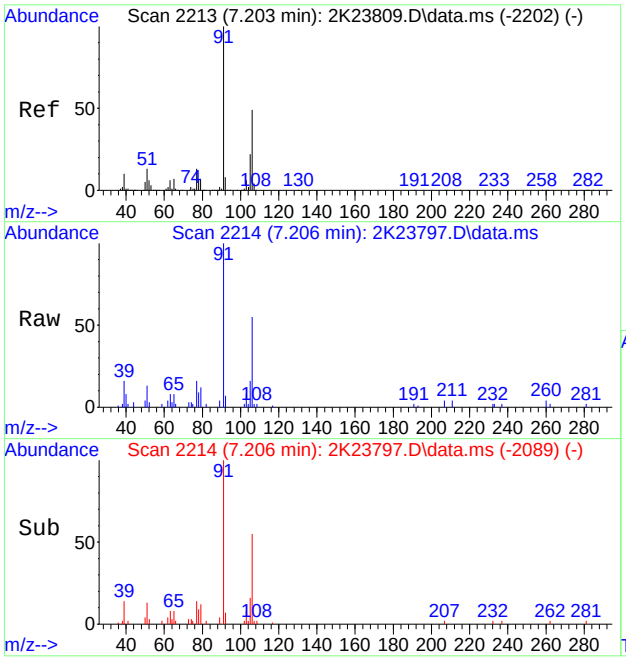


#87
ethylbenzene
Concen: 0.58 ug/L
RT: 7.119 min Scan# 2187
Delta R.T. -0.003 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion: 91 Resp: 14189

Ion	Ratio	Lower	Upper
91	100		
106	19.8	0.3	60.3
51	55.3	0.0	55.4

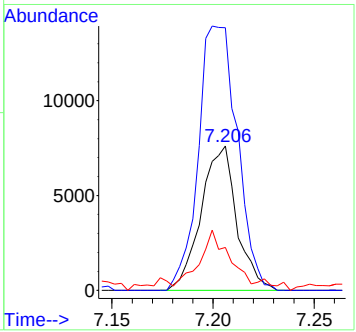


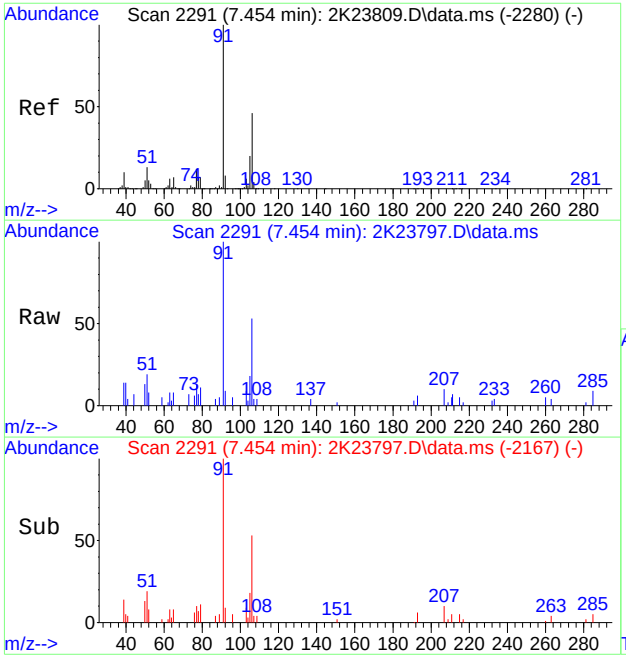


#88
m,p-xylene
Concen: 1.05 ug/L
RT: 7.206 min Scan# 2214
Delta R.T. 0.003 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion:106 Resp: 9336

Ion	Ratio	Lower	Upper
106	100		
91	181.8	173.5	233.5
77	24.0	7.0	47.0

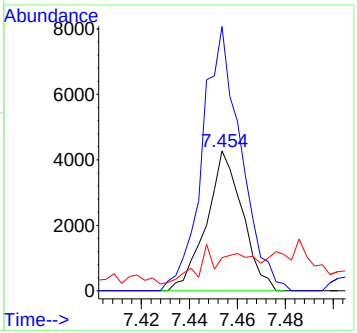


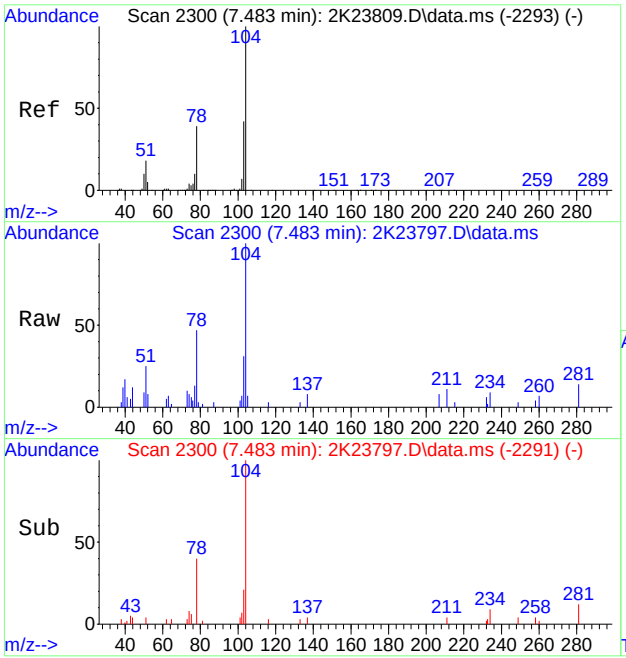


#89
o-xylene
Concen: 0.49 ug/L
RT: 7.454 min Scan# 2291
Delta R.T. -0.000 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion:106 Resp: 4454

Ion	Ratio	Lower	Upper
106	100		
91	188.9	186.3	246.3
77	18.8	6.7	46.7

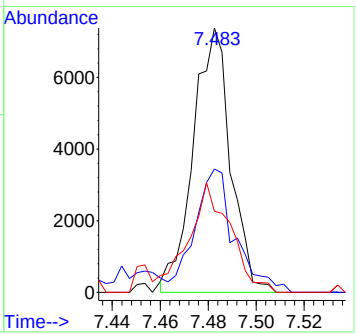


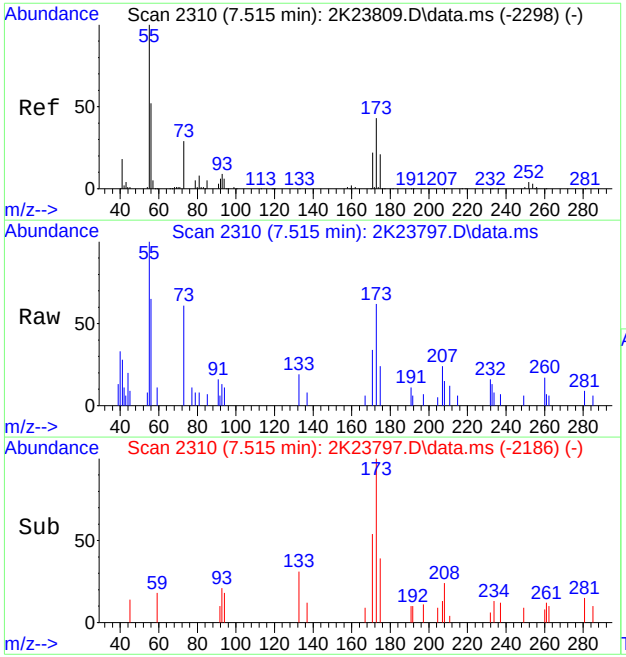


#90
styrene
Concen: 0.54 ug/L
RT: 7.483 min Scan# 2300
Delta R.T. -0.000 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion:104 Resp: 7992

Ion	Ratio	Lower	Upper
104	100		
78	43.5	14.3	74.3
103	30.7	17.0	77.0

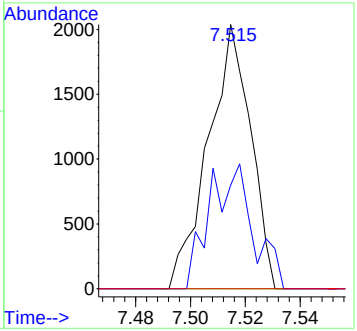


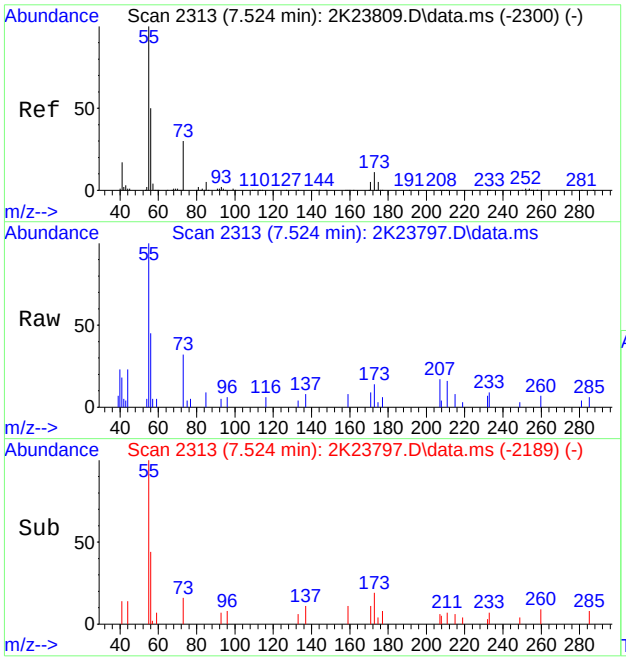


#91
bromoform
Concen: 0.52 ug/L
RT: 7.515 min Scan# 2310
Delta R.T. -0.000 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion:173 Resp: 2186

Ion	Ratio	Lower	Upper
173	100		
175	39.2	18.6	78.6
254	0.0	0.0	37.9

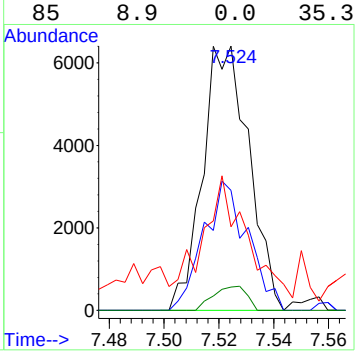


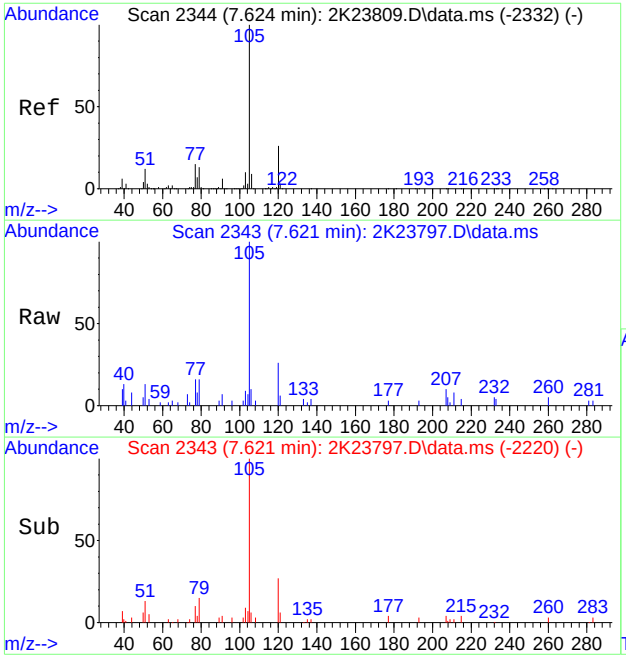


#92
butyl acrylate
Concen: 0.47 ug/L
RT: 7.524 min Scan# 2313
Delta R.T. -0.000 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion: 55 Resp: 7517

Ion	Ratio	Lower	Upper
55	100		
56	45.4	20.5	80.5
73	21.7	0.7	60.7
85	8.9	0.0	35.3

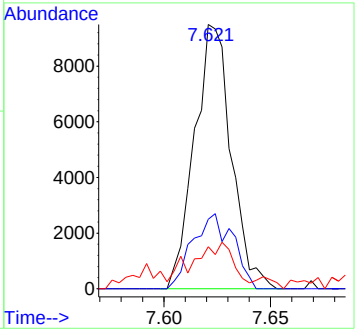


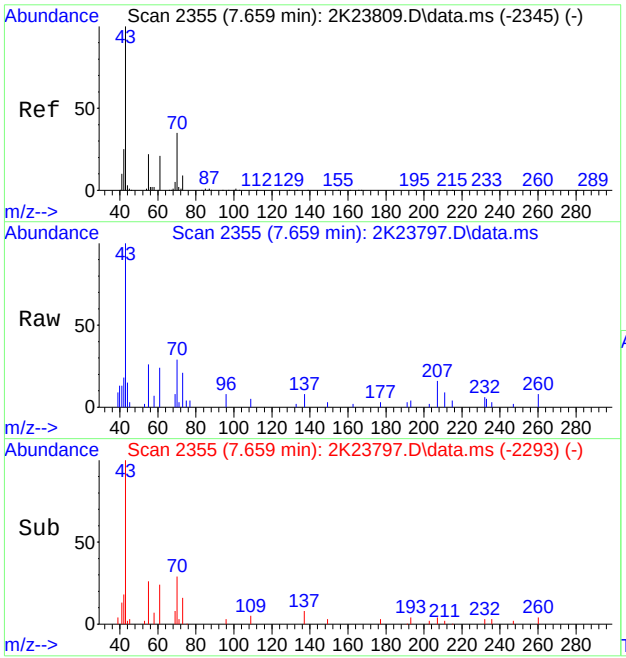


#93
isopropylbenzene
Concen: 0.54 ug/L
RT: 7.621 min Scan# 2343
Delta R.T. -0.003 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion:105 Resp: 11377

Ion	Ratio	Lower	Upper
105	100		
120	26.3	6.4	46.4
77	15.9	0.0	35.1

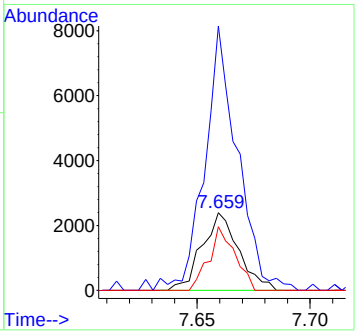


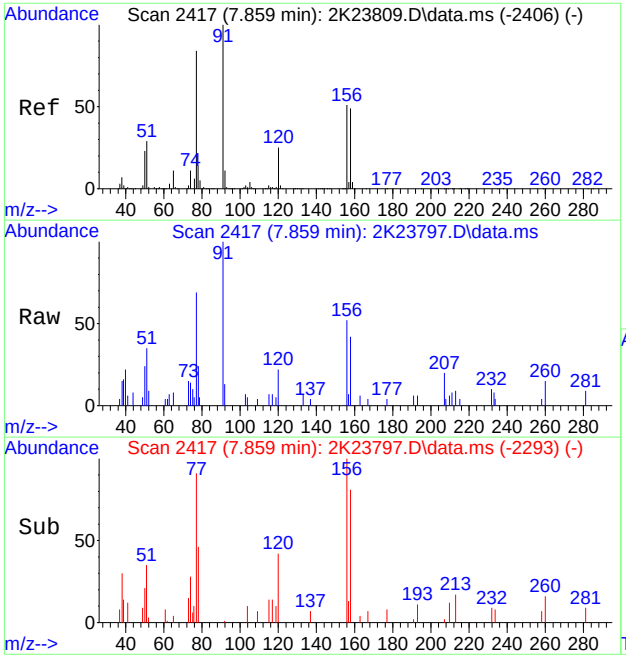


#94
n-amyl acetate
Concen: 0.53 ug/L
RT: 7.659 min Scan# 2355
Delta R.T. -0.000 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion: 70 Resp: 2693

Ion	Ratio	Lower	Upper
70	100		
43	332.2	265.5	305.5#
61	82.0	41.9	81.9#

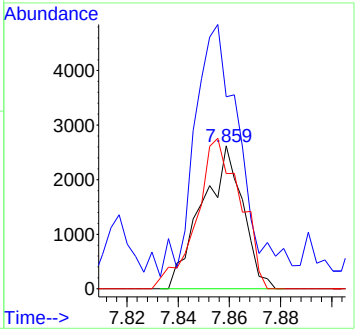


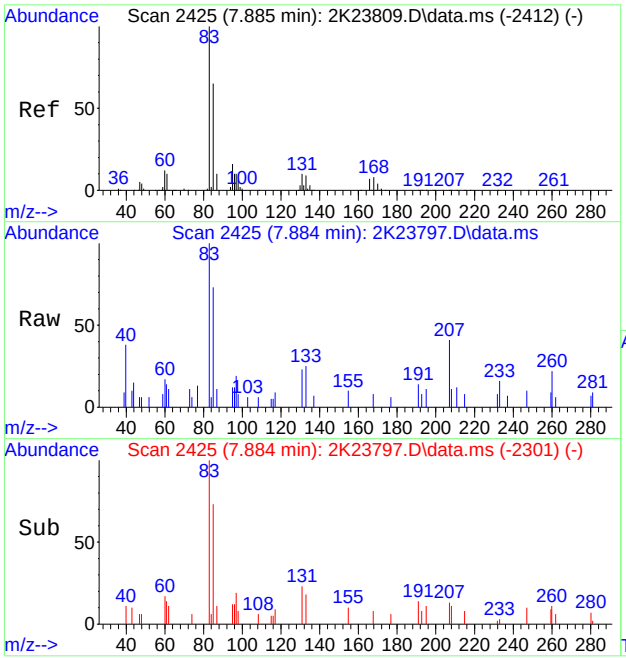


#98
bromobenzene
Concen: 0.51 ug/L
RT: 7.859 min Scan# 2417
Delta R.T. -0.000 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion:156 Resp: 2894

Ion	Ratio	Lower	Upper
156	100		
77	125.7	144.3	204.3#
158	80.7	66.5	126.5

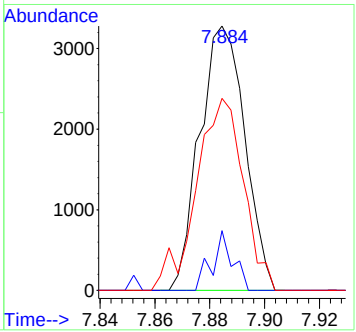


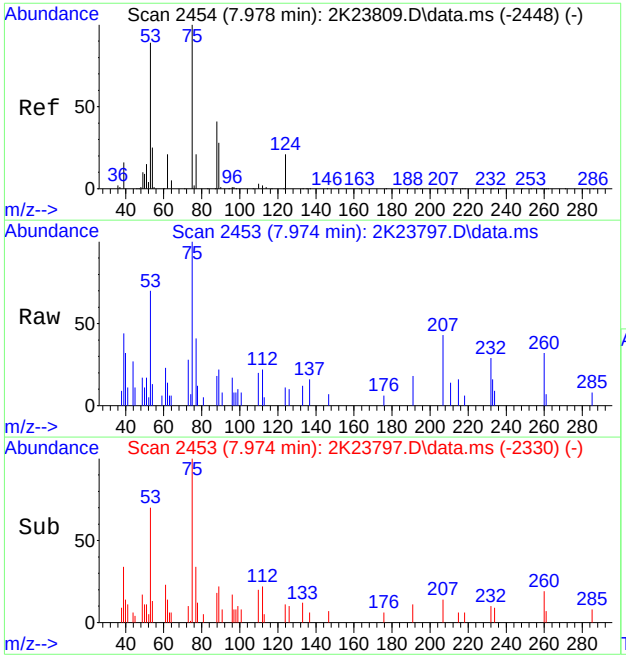


#99
1,1,2,2-tetrachloroethane
Concen: 0.48 ug/L
RT: 7.884 min Scan# 2425
Delta R.T. -0.000 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion: 83 Resp: 3758

Ion	Ratio	Lower	Upper
83	100		
131	22.6	0.0	40.0
85	72.6	35.3	95.3

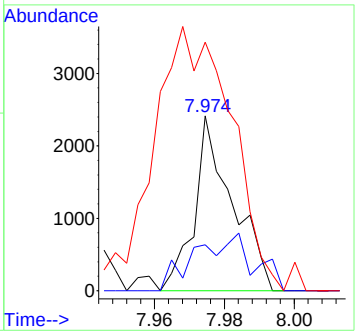


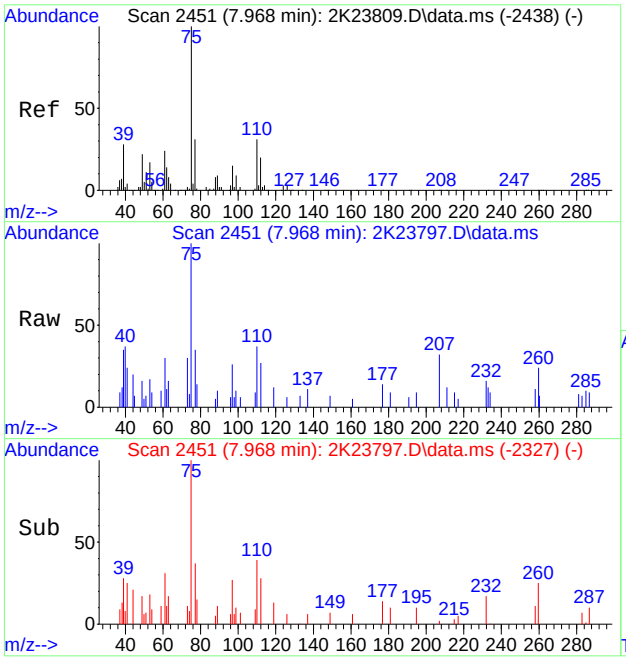


#100
trans-1,4-dichloro-2-butene
Concen: 0.56 ug/L
RT: 7.974 min Scan# 2453
Delta R.T. -0.003 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion: 53 Resp: 1829

Ion	Ratio	Lower	Upper
53	100		
88	26.3	15.2	75.2
75	142.1	166.9	226.9#

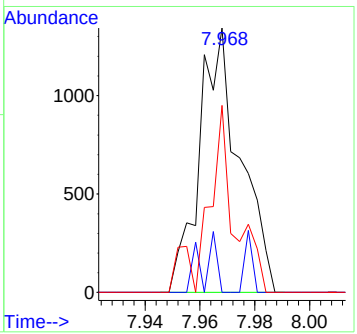


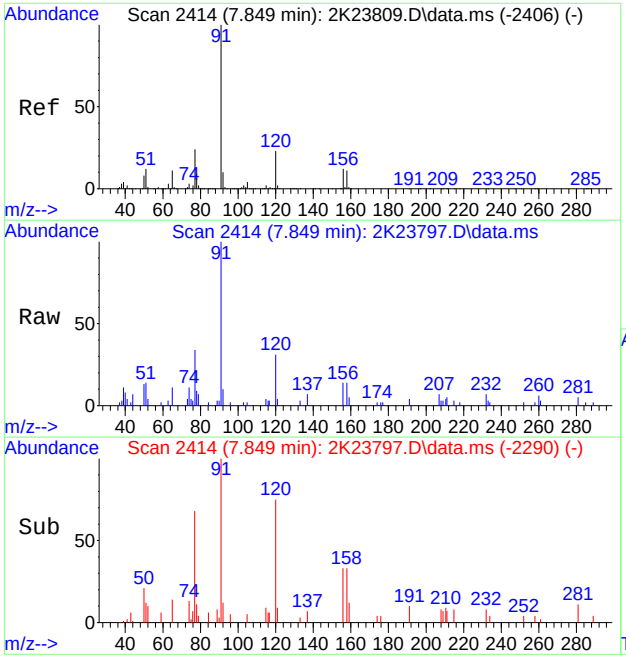


#101
1,2,3-trichloropropane
Concen: 0.56 ug/L
RT: 7.968 min Scan# 2451
Delta R.T. -0.000 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion:110 Resp: 1382

Ion	Ratio	Lower	Upper
110	100		
111	0.0	0.0	39.3
97	70.7	17.7	77.7

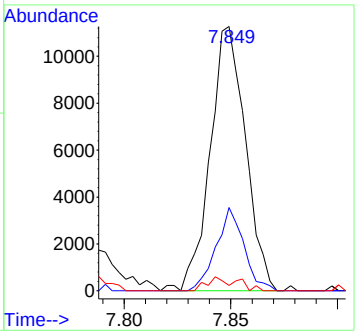


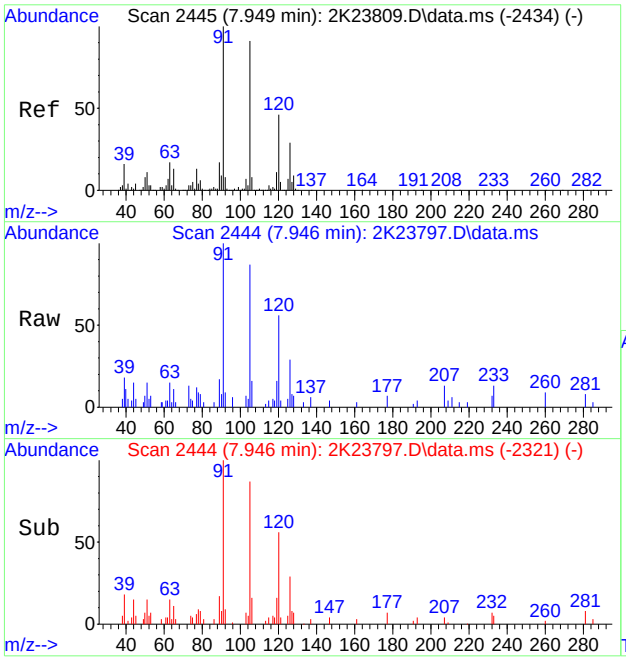


#102
n-propylbenzene
Concen: 0.49 ug/L
RT: 7.849 min Scan# 2414
Delta R.T. -0.000 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion: 91 Resp: 12995

Ion	Ratio	Lower	Upper
91	100		
120	31.5	0.0	52.7
105	2.0	0.0	34.0

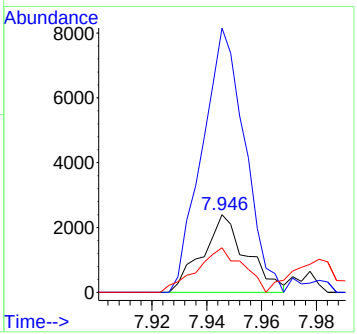


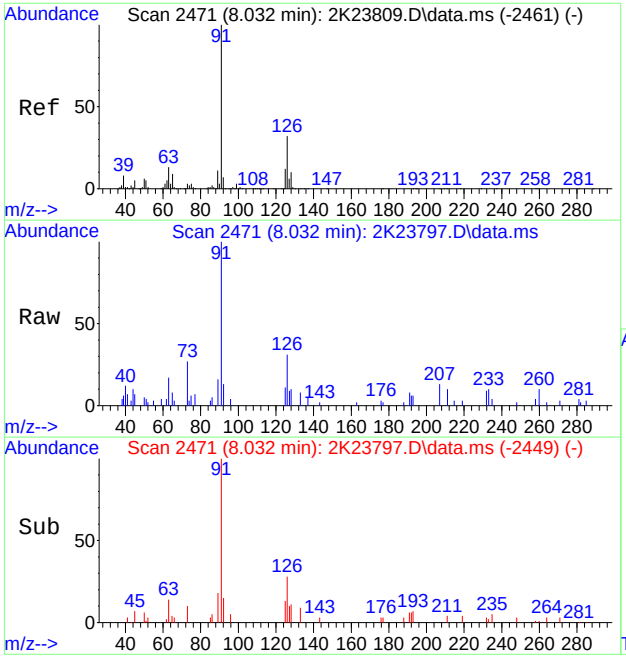


#103
2-chlorotoluene
Concen: 0.51 ug/L
RT: 7.946 min Scan# 2444
Delta R.T. -0.003 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion:126 Resp: 2681

Ion	Ratio	Lower	Upper
126	100		
91	340.4	309.9	369.9
89	57.5	27.7	87.7

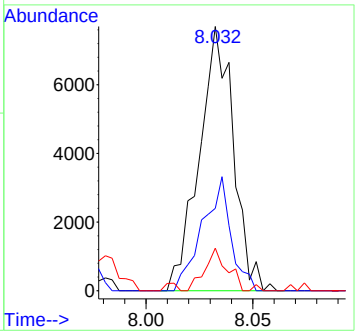


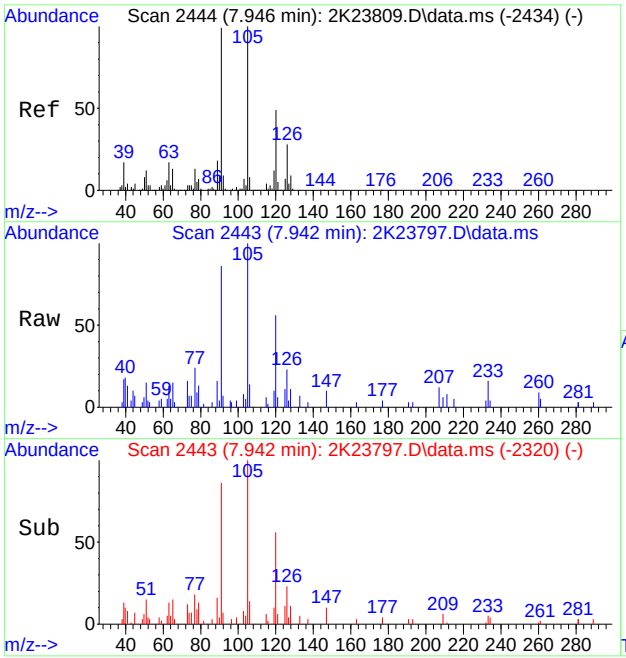


#104
4-chlorotoluene
Concen: 0.48 ug/L
RT: 8.032 min Scan# 2471
Delta R.T. -0.000 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion: 91 Resp: 8579

Ion	Ratio	Lower	Upper
91	100		
126	31.2	1.8	61.8
89	16.1	0.0	41.0

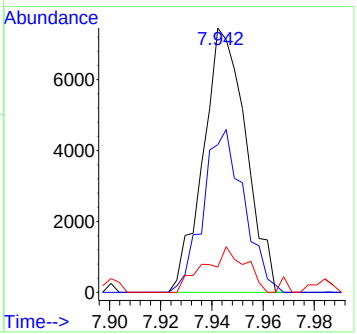


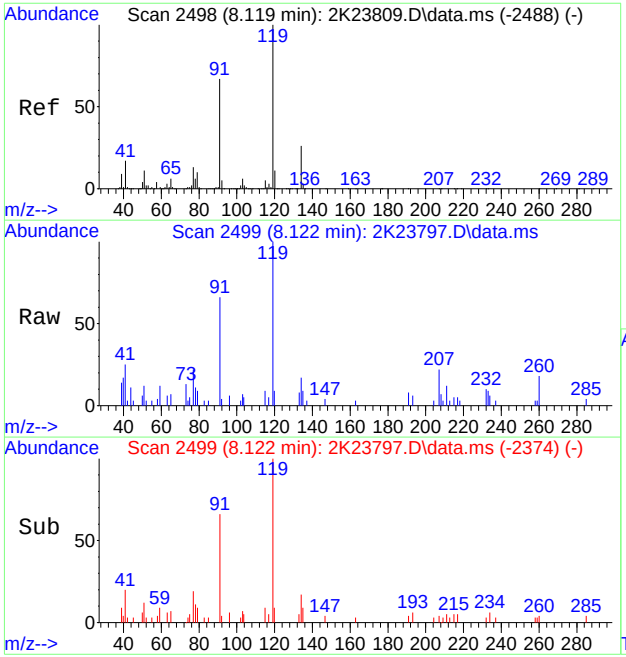


#105
1,3,5-trimethylbenzene
Concen: 0.47 ug/L
RT: 7.942 min Scan# 2443
Delta R.T. -0.003 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion:105 Resp: 8638

Ion	Ratio	Lower	Upper
105	100		
120	55.9	19.0	79.0
119	9.6	0.0	42.0

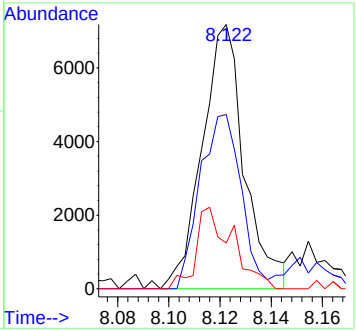


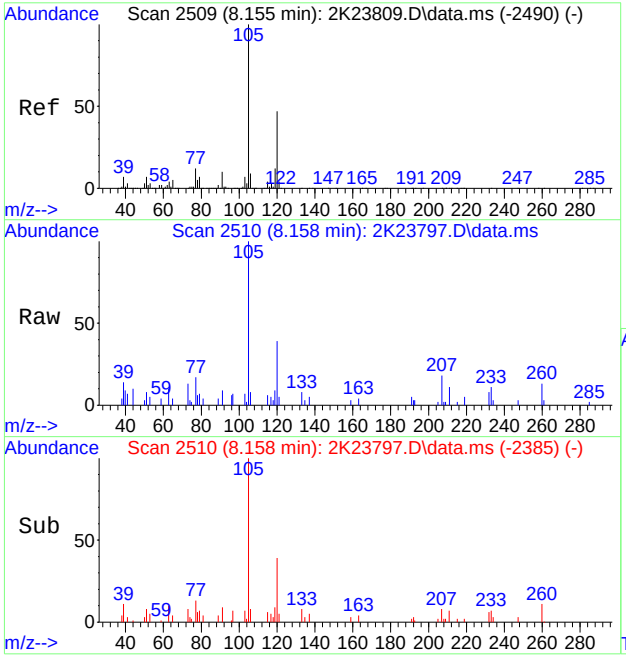


#106
tert-butylbenzene
Concen: 0.53 ug/L
RT: 8.122 min Scan# 2499
Delta R.T. 0.003 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion:119 Resp: 8237

Ion	Ratio	Lower	Upper
119	100		
91	60.8	37.4	97.4
134	15.9	0.0	55.8

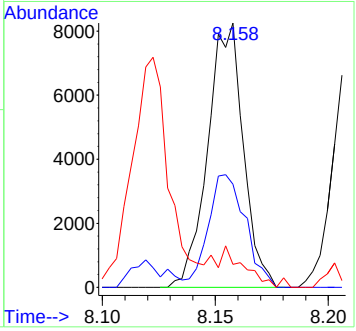


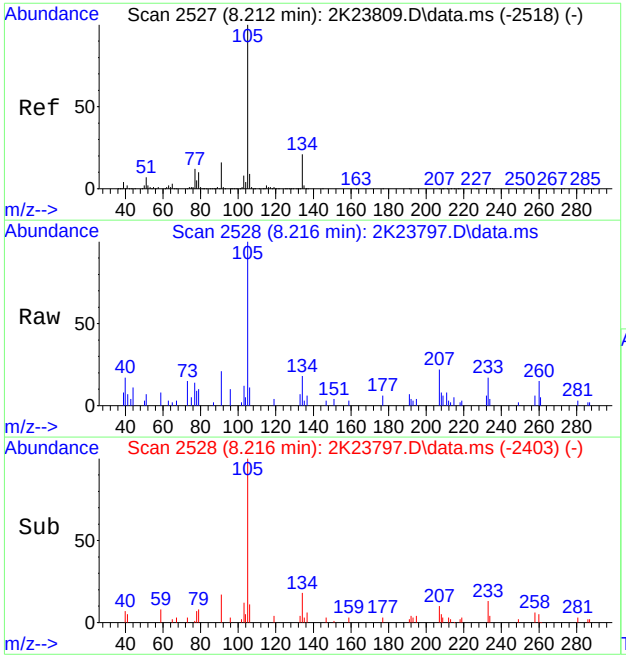


#107
1,2,4-trimethylbenzene
Concen: 0.50 ug/L
RT: 8.158 min Scan# 2510
Delta R.T. 0.003 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion:105 Resp: 8988

Ion	Ratio	Lower	Upper
105	100		
120	39.0	16.8	76.8
119	5.1	0.0	42.0

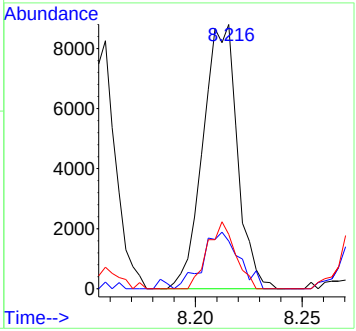


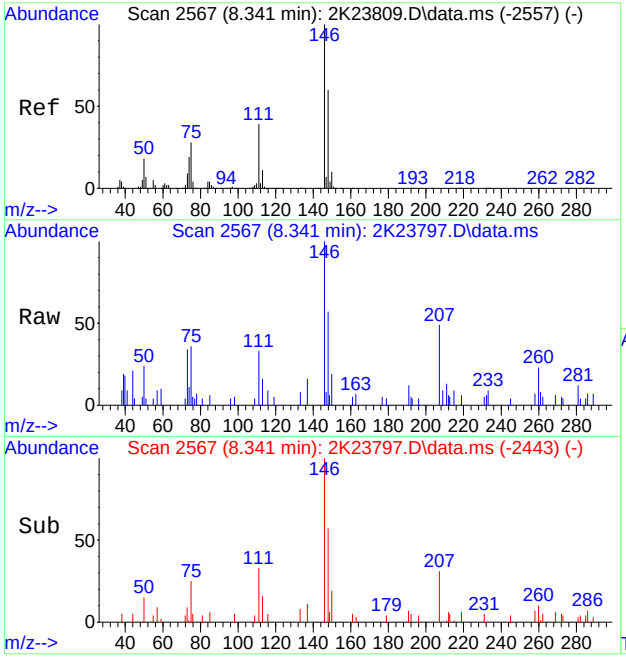


#108
sec-butylbenzene
Concen: 0.50 ug/L
RT: 8.216 min Scan# 2528
Delta R.T. 0.003 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion:105 Resp: 9866

Ion	Ratio	Lower	Upper
105	100		
134	18.0	0.0	51.4
91	20.5	0.0	45.7

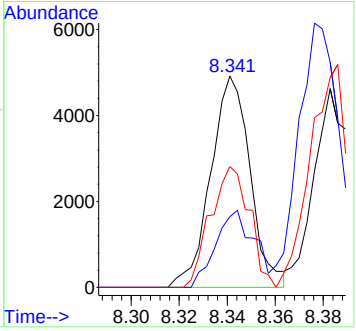


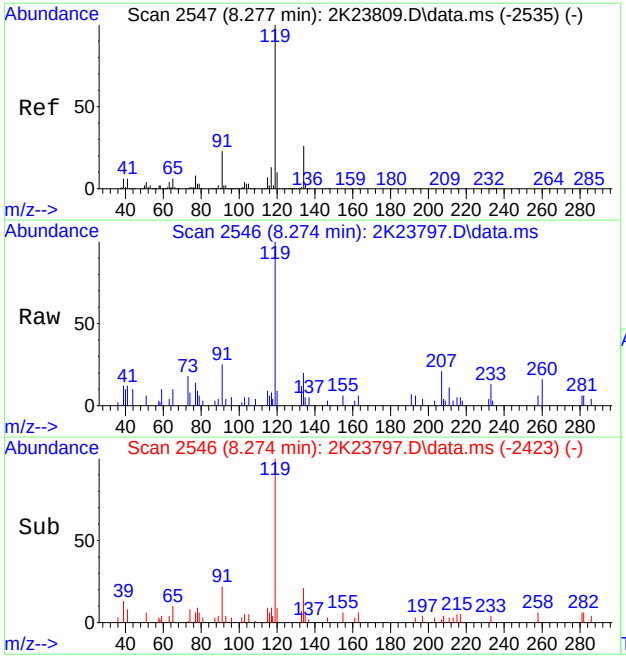


#109
1,3-dichlorobenzene
Concen: 0.55 ug/L
RT: 8.341 min Scan# 2567
Delta R.T. -0.000 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion:146 Resp: 5609

Ion	Ratio	Lower	Upper
146	100		
111	33.4	8.6	68.6
148	57.2	29.8	89.8

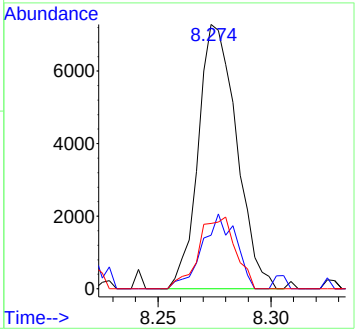


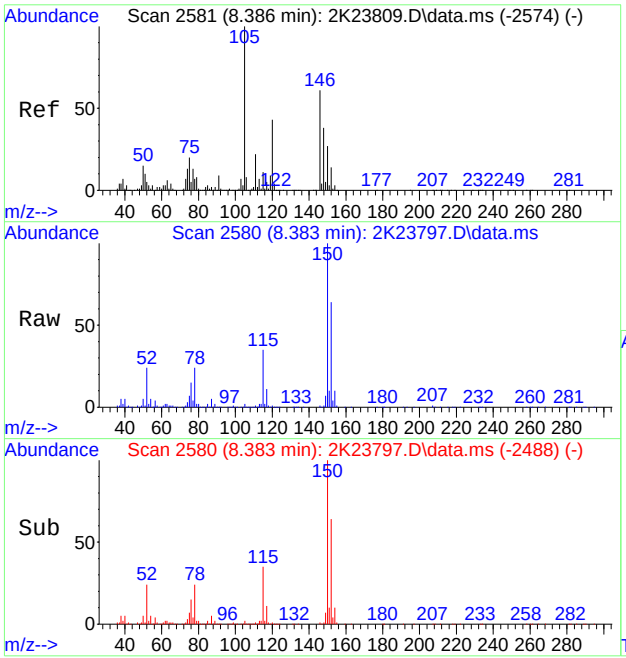


#110
p-isopropyltoluene
Concen: 0.46 ug/L
RT: 8.274 min Scan# 2546
Delta R.T. -0.003 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion:119 Resp: 8571

Ion	Ratio	Lower	Upper
119	100		
134	20.3	0.0	56.0
91	24.7	0.0	53.4

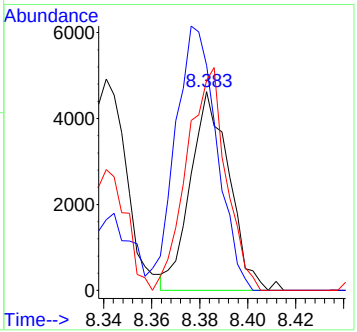


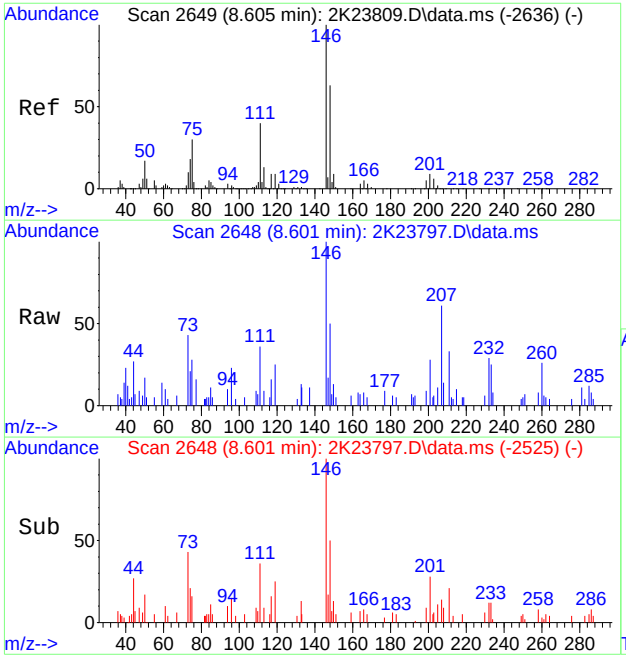


#111
1,4-dichlorobenzene
Concen: 0.49 ug/L
RT: 8.383 min Scan# 2580
Delta R.T. -0.003 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion:146 Resp: 5201

Ion	Ratio	Lower	Upper
146	100		
111	113.3	6.3	66.3#
148	105.7	32.9	92.9#

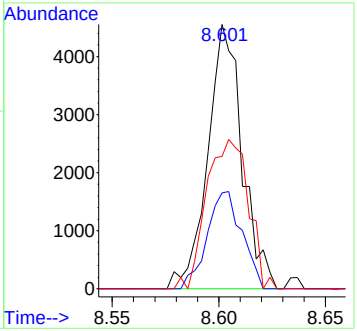


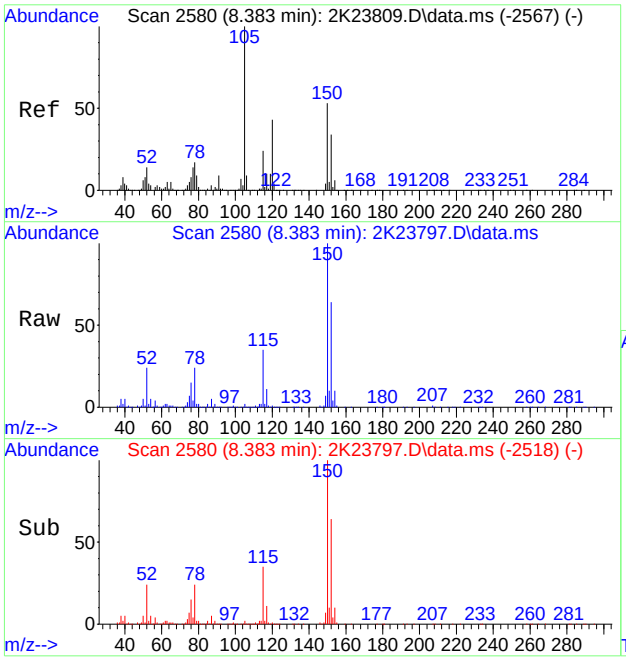


#112
1,2-dichlorobenzene
Concen: 0.51 ug/L
RT: 8.601 min Scan# 2648
Delta R.T. -0.003 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion:146 Resp: 5119

Ion	Ratio	Lower	Upper
146	100		
111	36.3	10.0	70.0
148	50.0	33.3	93.3

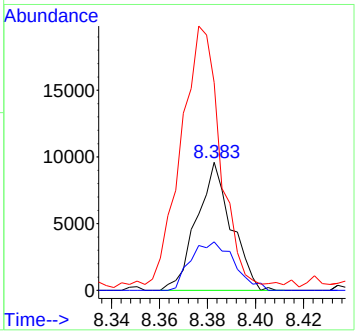


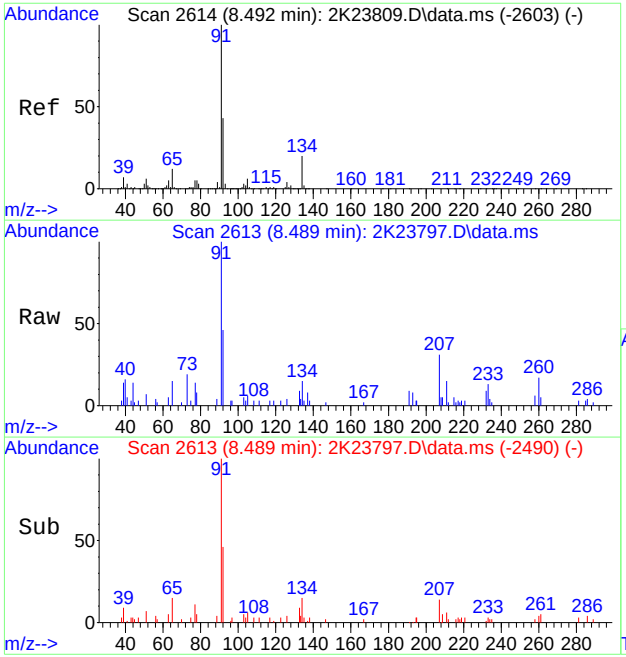


#113
1,2,3-trimethylbenzene
Concen: 0.50 ug/L
RT: 8.383 min Scan# 2580
Delta R.T. -0.000 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion:105 Resp: 9610

Ion	Ratio	Lower	Upper
105	100		
120	37.9	13.3	73.3
77	157.6	0.0	43.9#

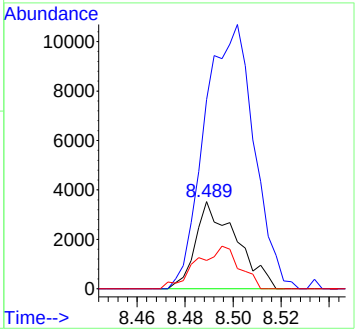


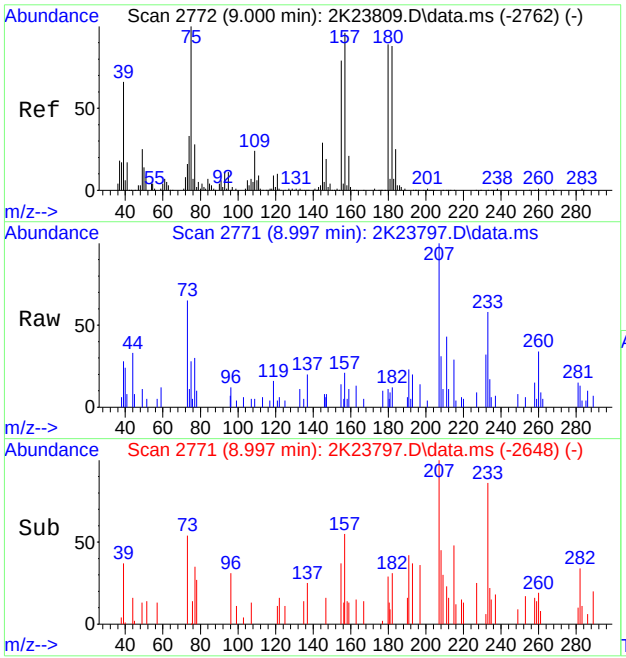


#114
n-butylbenzene
Concen: 0.46 ug/L
RT: 8.489 min Scan# 2613
Delta R.T. -0.003 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion: 92 Resp: 4155

Ion	Ratio	Lower	Upper
92	100		
91	216.8	203.0	263.0
134	32.5	17.1	77.1

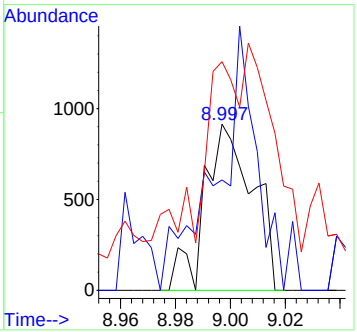


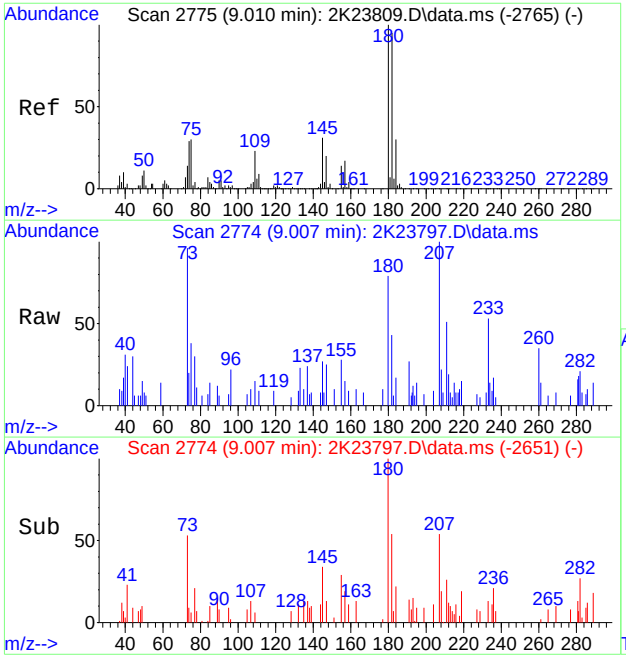


#115
1,2-dibromo-3-chloropropane
Concen: 0.50 ug/L
RT: 8.997 min Scan# 2771
Delta R.T. -0.003 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion:157 Resp: 1127

Ion	Ratio	Lower	Upper
157	100		
155	66.4	52.3	112.3
75	117.4	74.2	134.2

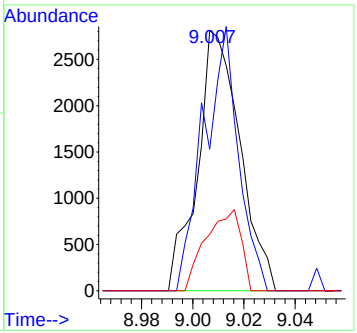


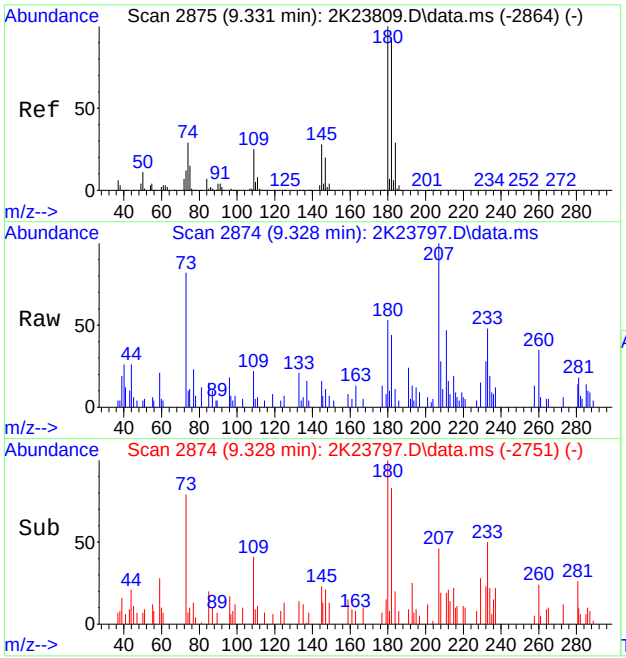


#116
1,3,5-trichlorobenzene
Concen: 0.55 ug/L
RT: 9.007 min Scan# 2774
Delta R.T. -0.003 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion:180 Resp: 3236

Ion	Ratio	Lower	Upper
180	100		
182	61.7	74.7	114.7#
184	21.6	9.9	49.9

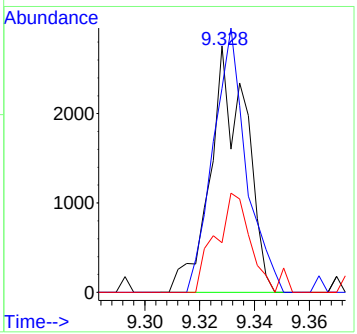


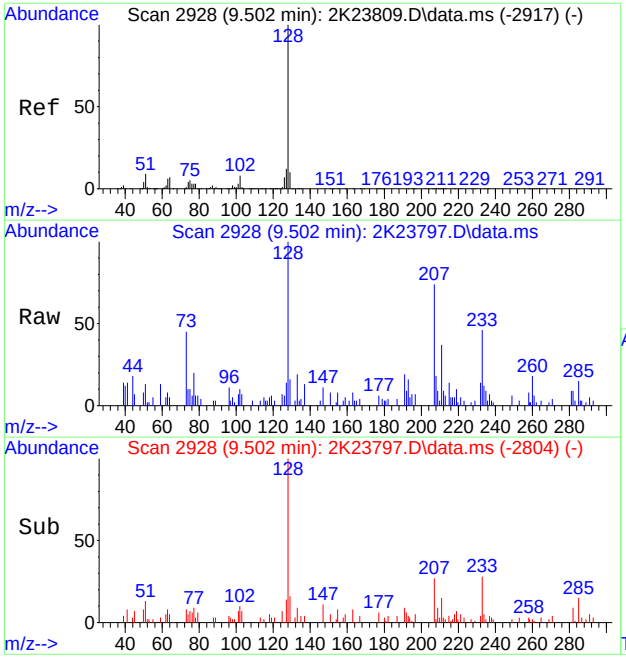


#117
1,2,4-trichlorobenzene
Concen: 0.50 ug/L
RT: 9.328 min Scan# 2874
Delta R.T. -0.003 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion:180 Resp: 2511

Ion	Ratio	Lower	Upper
180	100		
182	82.8	63.0	123.0
184	20.2	0.0	59.0

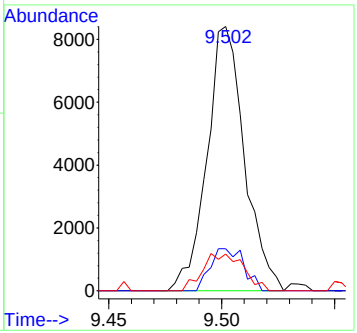


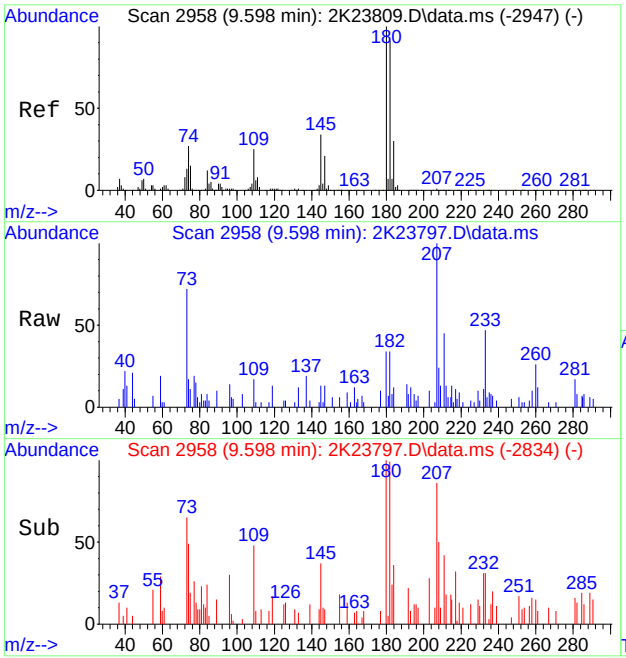


#119
naphthalene
Concen: 0.55 ug/L
RT: 9.502 min Scan# 2928
Delta R.T. -0.000 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion:128 Resp: 9688

Ion	Ratio	Lower	Upper
128	100		
129	16.0	0.0	40.4
127	13.9	0.0	42.1

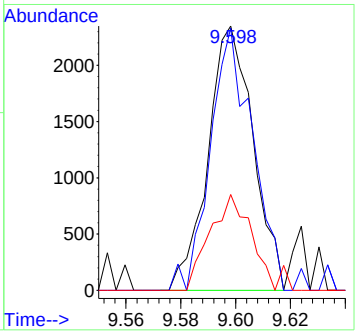


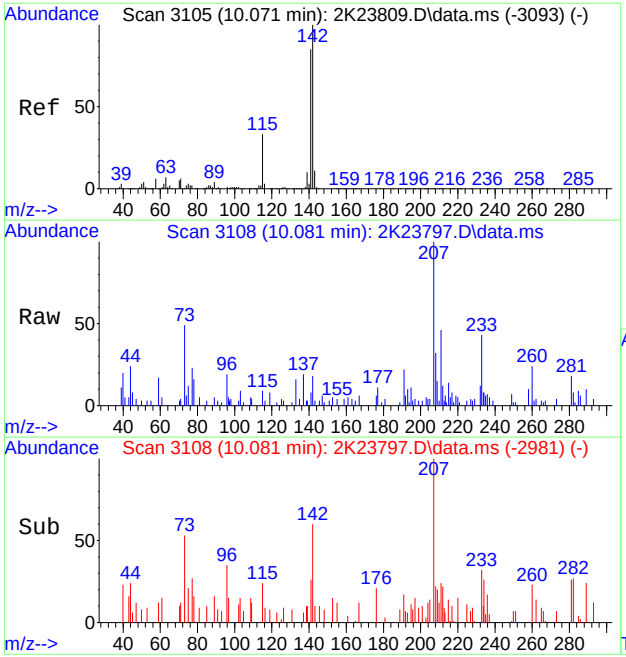


#120
1,2,3-trichlorobenzene
Concen: 0.56 ug/L
RT: 9.598 min Scan# 2958
Delta R.T. -0.000 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion:180 Resp: 2685

Ion	Ratio	Lower	Upper
180	100		
182	99.2	60.8	120.8
184	28.3	0.3	60.3

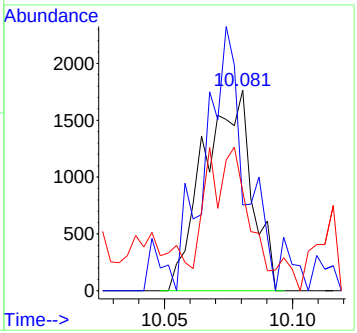




#123
2-methylnaphthalene
Concen: 0.26 ug/L
RT: 10.081 min Scan# 3108
Delta R.T. 0.010 min
Lab File: 2K23797.D
Acq: 5 Sep 2025 9:59 pm

Tgt Ion:142 Resp: 2304

Ion	Ratio	Lower	Upper
142	100		
141	31.4	54.5	114.5#
115	32.8	3.3	63.3



Manual Integration Approval Summary

Sample Number: V2K658-IC658
Lab FileID: 2K23797.D
Injection Time: 09/05/25 21:59

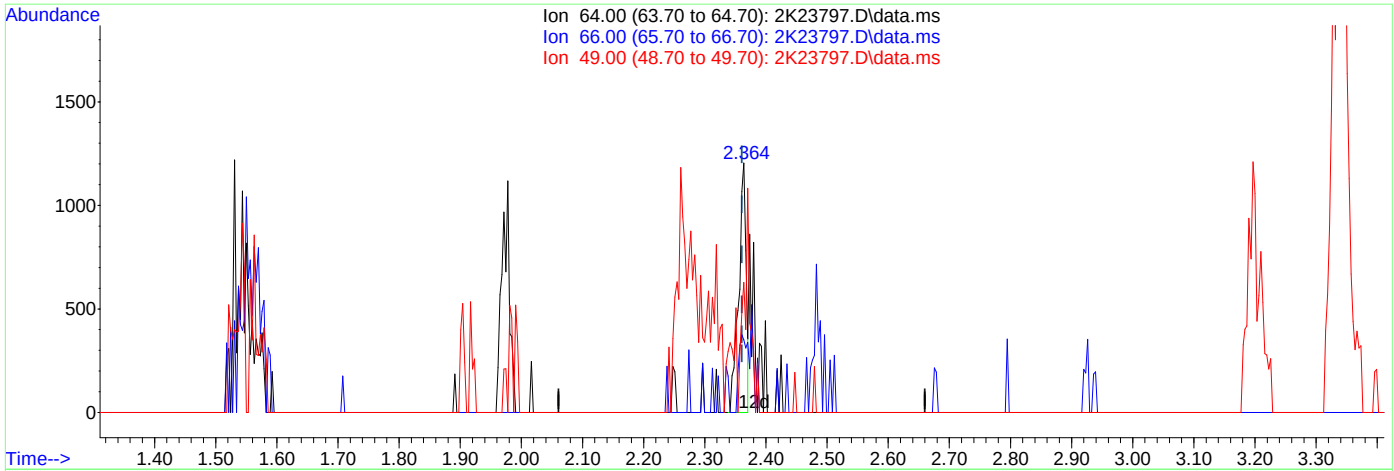
Method: SW846 8260D
Analyst approved: 09/08/25 13:42 MoHui Huang
Supervisor approved: 09/09/25 02:04 Kanya Veerawat

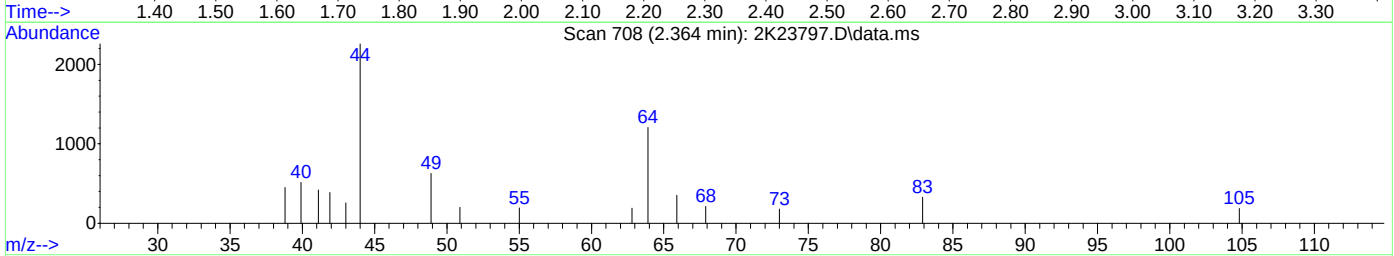
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloroethane	75-00-3		2.36	Split peak
Ethyl Ether	60-29-7		2.72	Split peak
Tetrachloroethene	127-18-4		6.42	Split peak

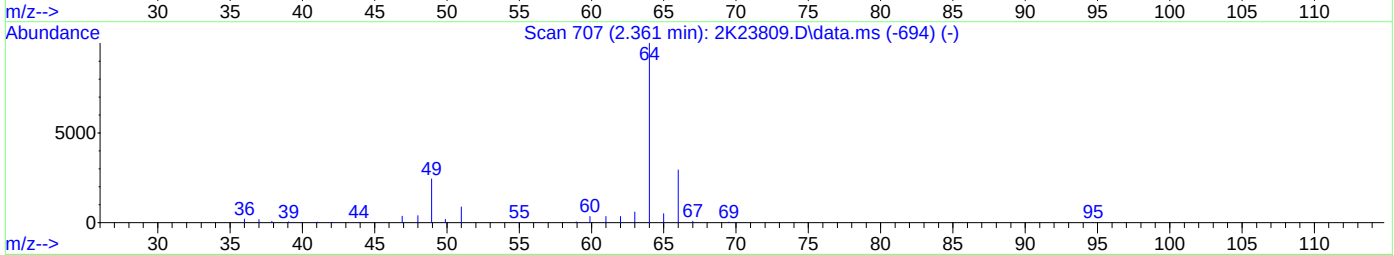
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 2K23797.D
Acq On : 5 Sep 2025 9:59 pm
Operator : PrashanS
Sample : IC658-0.5
Misc : MS95614,V2K658,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 08 12:29:23 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 12:29:09 2025
Response via : Initial Calibration







TIC: 2K23797.D\data.ms

(12) chloroethane

2.364min (+0.003) 0.29ug/L

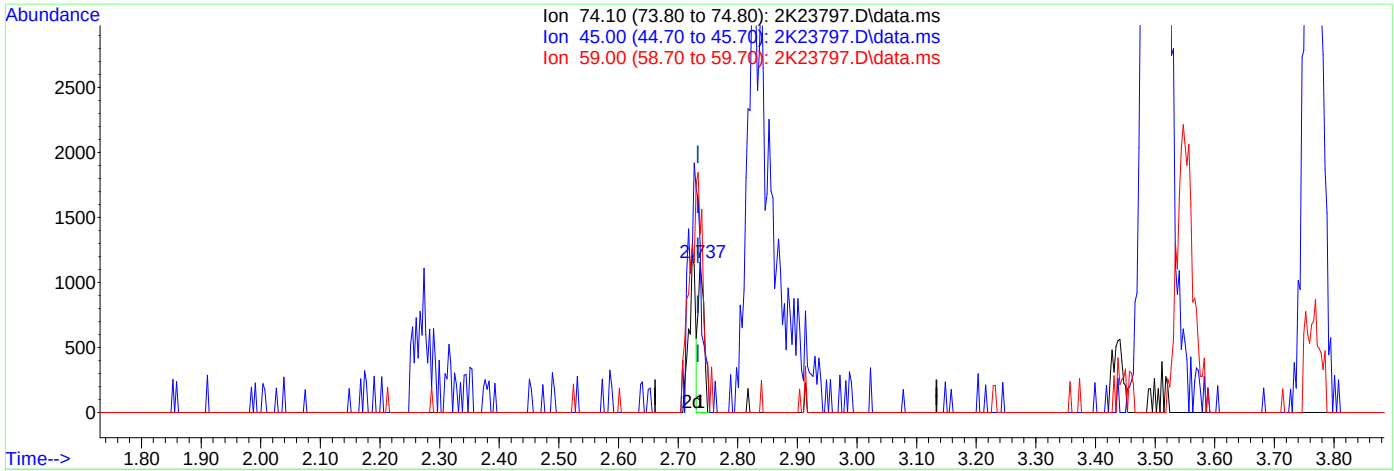
response 1025

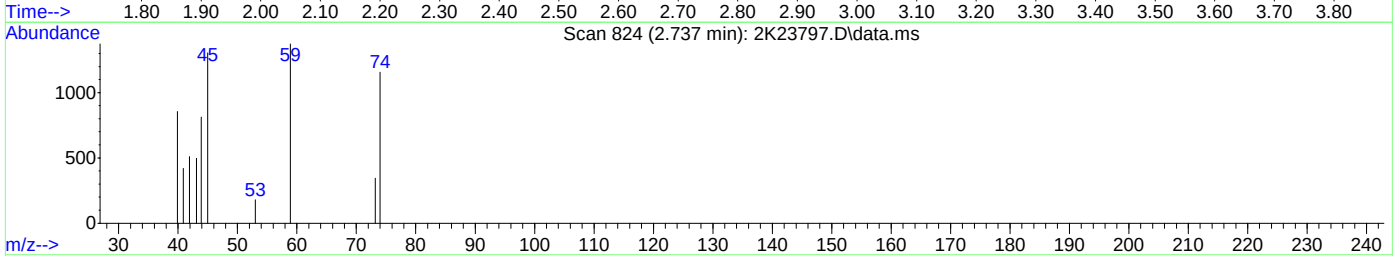
Ion	Exp%	Act%
64.00	100	100
66.00	29.30	14.52
49.00	24.30	27.63
0.00	0.00	0.00

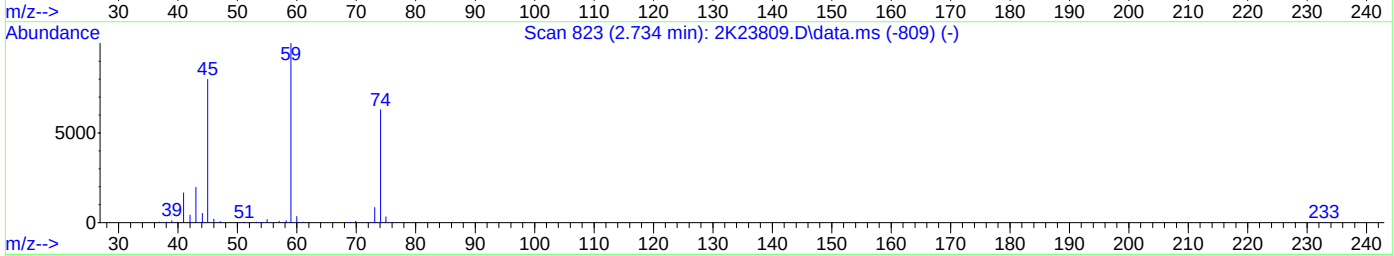
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 2K23797.D
Acq On : 5 Sep 2025 9:59 pm
Operator : PrashanS
Sample : IC658-0.5
Misc : MS95614,V2K658,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 08 12:29:23 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 12:29:09 2025
Response via : Initial Calibration







TIC: 2K23797.D\data.ms

(14) ethyl ether

2.737min (+0.003) 0.23ug/L

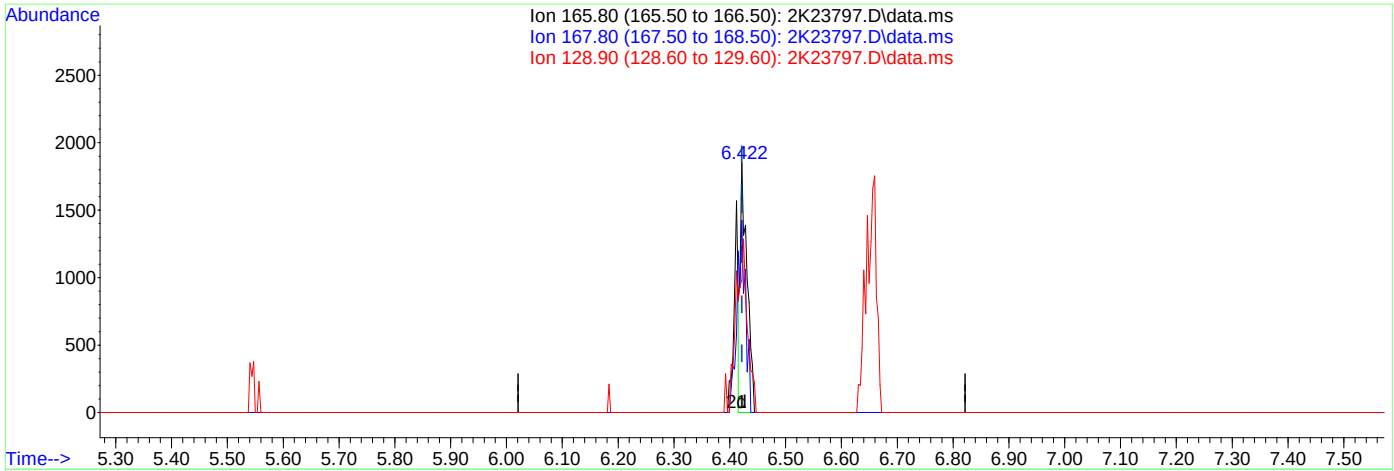
response 791

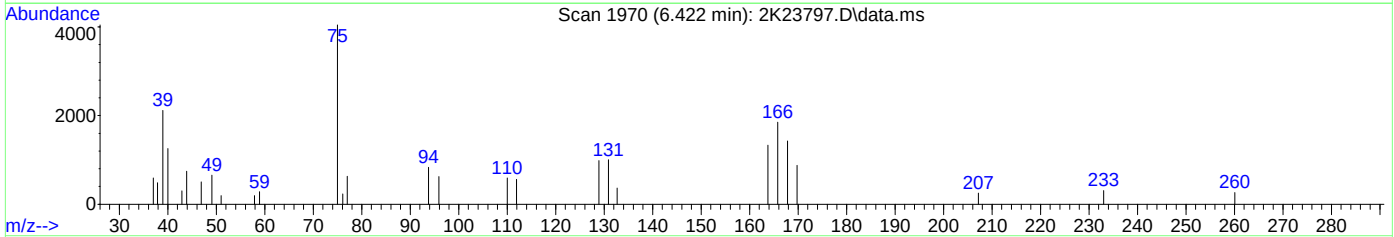
Ion	Exp%	Act%
74.10	100	100
45.00	126.70	112.89
59.00	158.90	118.86#
0.00	0.00	0.00

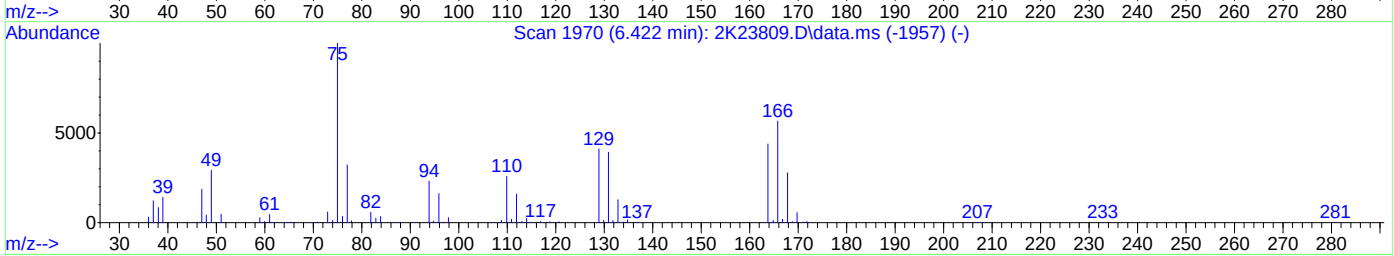
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 2K23797.D
Acq On : 5 Sep 2025 9:59 pm
Operator : PrashanS
Sample : IC658-0.5
Misc : MS95614,V2K658,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 08 12:29:23 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 12:29:09 2025
Response via : Initial Calibration







TIC: 2K23797.D\data.ms

(78) tetrachloroethene

6.422min (-0.000) 0.32ug/L

response 1573

Ion	Exp%	Act%
165.80	100	100
167.80	49.10	77.08
128.90	72.70	53.03
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 09/09/25 02:04

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 2K23799.D
Acq On : 5 Sep 2025 10:33 pm
Operator : PrashanS
Sample : IC658-1
Misc : MS95614,V2K658,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 08 12:47:50 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 12:37:23 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.502	65	675468	500.00	ug/L		0.00
5) pentafluorobenzene	4.810	168	695203	50.00	ug/L		0.00
50) 1,4-difluorobenzene	5.174	114	1076532	50.00	ug/L		0.00
72) chlorobenzene-d5	7.109	117	905177	50.00	ug/L		0.00
96) 1,4-dichlorobenzene-d4	8.376	152	441322	50.00	ug/L		0.00
124) pentafluorobenzene(a)	4.810	168	695203	50.00	ug/L		0.00
128) 1,4-dichlorobenzene-d4(a)	8.376	152	441322	50.00	ug/L		0.00
System Monitoring Compounds							
42) dibromofluoromethane (s)	4.531	113	294061	49.89	ug/L		0.00
Spiked Amount 50.000	Range 75 - 127		Recovery = 99.78%				
51) 1,2-dichloroethane-d4 (s)	4.881	65	396272	51.92	ug/L		0.00
Spiked Amount 50.000	Range 75 - 130		Recovery = 103.84%				
73) toluene-d8 (s)	6.122	98	1233839	49.32	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.64%				
97) 4-bromofluorobenzene (s)	7.791	95	457463	49.60	ug/L		0.00
Spiked Amount 50.000	Range 79 - 127		Recovery = 99.20%				
Target Compounds							Qvalue
2) ethanol	2.836	45	16647	89.2045	ug/L		76
3) tertiary butyl alcohol	3.550	59	8160	5.0845	ug/L		86
4) 1,4-dioxane	5.679	88	2769	24.3079	ug/L		82
6) chlorodifluoromethane	1.766	51	9162	0.9545	ug/L		90
7) dichlorodifluoromethane	1.727	85	5936	0.7994	ug/L		90
8) chloromethane	1.913	50	8055	0.9617	ug/L		87
9) vinyl chloride	1.975	62	6404	0.9325	ug/L		82
10) 1,3-butadiene	1.991	39	7201	1.0155	ug/L		85
11) bromomethane	2.264	96	2077	0.9287	ug/L	#	95
12) chloroethane	2.367	64	3687	1.0960	ug/L		85
13) trichlorofluoromethane	2.489	101	9466	1.0292	ug/L		91
14) ethyl ether	2.740	74	2833	0.8134	ug/L	#	69
15) acrolein	3.148	56	1634	0.8613	ug/L		92
16) freon 113	2.933	151	3751	0.8551	ug/L		90
17) 1,1-dichloroethene	2.907	61	8231	0.8976	ug/L		92
18) acetone	3.367	58	4094	3.4768	ug/L		91
19) acetonitrile	3.701	41	15170	9.3386	ug/L		97
21) carbon disulfide	2.942	76	13956	0.9158	ug/L		96
22) methylene chloride	3.331	84	5167m	1.0150	ug/L		
24) methyl tert butyl ether	3.518	73	18079	0.9841	ug/L		85
25) trans-1,2-dichloroethene	3.457	96	4667	0.8562	ug/L		99
26) hexane	3.505	57	13700	0.9329	ug/L	#	80
27) di-isopropyl ether	3.765	45	20241	0.8408	ug/L		96
28) ethyl tert-butyl ether	4.013	59	18281	0.8565	ug/L		82
29) 2-butanone	4.601	72	4623	3.6602	ug/L	#	70
30) 1,1-dichloroethane	3.881	63	9575	0.8711	ug/L		89
31) chloroprene	3.868	53	10782	0.9130	ug/L		91
32) acrylonitrile	3.907	52	3376	0.9635	ug/L		89
35) 2,2-dichloropropane	4.315	77	7946	0.9142	ug/L		91
36) cis-1,2-dichloroethene	4.241	96	5651	1.0113	ug/L		79
39) bromochloromethane	4.376	128	2392	1.0078	ug/L		92
41) chloroform	4.409	83	11579	1.2046	ug/L		94
44) 1,1,1-trichloroethane	4.556	97	8326	0.9350	ug/L		93
45) cyclohexane	4.389	84	7594	0.9841	ug/L		93
46) 1,1-dichloropropene	4.634	75	7191	0.9704	ug/L		93
47) carbon tetrachloride	4.511	117	8479	1.1239	ug/L	#	72
49) tert-amyl alcohol	4.939	55	2792	4.7858	ug/L	#	57
52) iso-octane	4.691	57	18614	0.8663	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 2K23799.D
Acq On : 5 Sep 2025 10:33 pm
Operator : PrashanS
Sample : IC658-1
Misc : MS95614,V2K658,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 08 12:47:50 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 12:37:23 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
53) benzene	4.798	78	18960	0.8686	ug/L		93
54) tert-amyl methyl ether	4.843	73	17076	0.9020	ug/L		94
55) heptane	4.743	57	3051	1.0177	ug/L	#	56
56) isopropyl acetate	5.042	87	1759	1.0104	ug/L	#	1
57) 1,2-dichloroethane	4.926	62	8616	0.9939	ug/L		97
58) n-butyl alcohol	5.315	56	20609	42.1847	ug/L		91
59) ethyl acrylate	5.479	55	10854	0.9308	ug/L		95
60) trichloroethene	5.167	130	4501	0.8692	ug/L		92
62) 2-chloroethyl vinyl ether	5.923	63	15378	3.6288	ug/L		97
63) methyl methacrylate	5.624	100	2022	0.9971	ug/L	#	48
64) 1,2-dichloropropane	5.515	63	5802	0.9747	ug/L		94
65) methylcyclohexane	5.167	98	3469	0.9203	ug/L	#	1
66) dibromomethane	5.454	93	3128	0.9509	ug/L	#	78
67) bromodichloromethane	5.540	83	6579	0.9229	ug/L		86
69) cis-1,3-dichloropropene	5.994	75	7971	0.8596	ug/L		87
70) 4-methyl-2-pentanone	6.389	58	15277	4.0444	ug/L	#	54
71) 3-methyl-1-butanol	6.219	70	7041	18.7223	ug/L		93
74) toluene	6.158	92	12426	0.8872	ug/L		92
75) ethyl methacrylate	6.492	69	7447	0.8508	ug/L		91
76) trans-1,3-dichloropropene	6.421	75	8594	0.9469	ug/L		93
77) 1,1,2-trichloroethane	6.531	83	3442	0.7992	ug/L		89
78) tetrachloroethene	6.425	166	5102	1.0197	ug/L		78
79) 2-hexanone	6.910	58	15510	3.6484	ug/L		97
80) 1,3-dichloropropane	6.711	76	8715	0.9778	ug/L		95
81) butyl acetate	6.833	56	5375	0.8963	ug/L	#	76
82) dibromochloromethane	6.650	129	4745	0.9269	ug/L		84
83) 1,2-dibromoethane	6.817	107	4814	1.0347	ug/L		87
84) n-butyl ether	7.016	57	24616	0.8581	ug/L		96
85) chlorobenzene	7.119	112	12866	0.9110	ug/L		92
86) 1,1,1,2-tetrachloroethane	7.151	131	4946	1.0744	ug/L		88
87) ethylbenzene	7.122	91	25416	0.9377	ug/L		90
88) m,p-xylene	7.203	106	16524	1.7712	ug/L		88
89) o-xylene	7.453	106	8298	0.8976	ug/L	#	81
90) styrene	7.486	104	14241	0.9118	ug/L		84
91) bromoform	7.515	173	3781	0.8597	ug/L		87
92) butyl acrylate	7.524	55	14484	0.9045	ug/L		84
93) isopropylbenzene	7.624	105	20677	0.9258	ug/L		94
94) n-amyl acetate	7.662	70	4238	0.7854	ug/L	#	72
98) bromobenzene	7.855	156	5248	0.9007	ug/L		86
99) 1,1,2,2-tetrachloroethane	7.888	83	7072	0.9027	ug/L		84
100) trans-1,4-dichloro-2-b...	7.978	53	3623	1.0236	ug/L		77
101) 1,2,3-trichloropropane	7.971	110	2192	0.8187	ug/L		94
102) n-propylbenzene	7.846	91	23611	0.8839	ug/L		94
103) 2-chlorotoluene	7.942	126	5605	1.0454	ug/L	#	63
104) 4-chlorotoluene	8.032	91	15799	0.8761	ug/L		94
105) 1,3,5-trimethylbenzene	7.949	105	16997	0.9290	ug/L		89
106) tert-butylbenzene	8.119	119	14014	0.8713	ug/L		89
107) 1,2,4-trimethylbenzene	8.158	105	16099	0.8825	ug/L		98
108) sec-butylbenzene	8.212	105	18742	0.9359	ug/L		95
109) 1,3-dichlorobenzene	8.341	146	9808	0.9089	ug/L		90
110) p-isopropyltoluene	8.277	119	16502	0.8867	ug/L		96
111) 1,4-dichlorobenzene	8.383	146	10033	0.9398	ug/L	#	50
112) 1,2-dichlorobenzene	8.601	146	9595	0.9281	ug/L		90
113) 1,2,3-trimethylbenzene	8.383	105	17870	0.9132	ug/L	#	44
114) n-butylbenzene	8.492	92	7841	0.8757	ug/L		87
115) 1,2-dibromo-3-chloropr...	9.003	157	2316	1.0089	ug/L	#	39
116) 1,3,5-trichlorobenzene	9.010	180	5188	0.8354	ug/L		90
117) 1,2,4-trichlorobenzene	9.334	180	5216	1.0135	ug/L		86

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 2K23799.D
Acq On : 5 Sep 2025 10:33 pm
Operator : PrashanS
Sample : IC658-1
Misc : MS95614,V2K658,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 08 12:47:50 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 12:37:23 2025
Response via : Initial Calibration

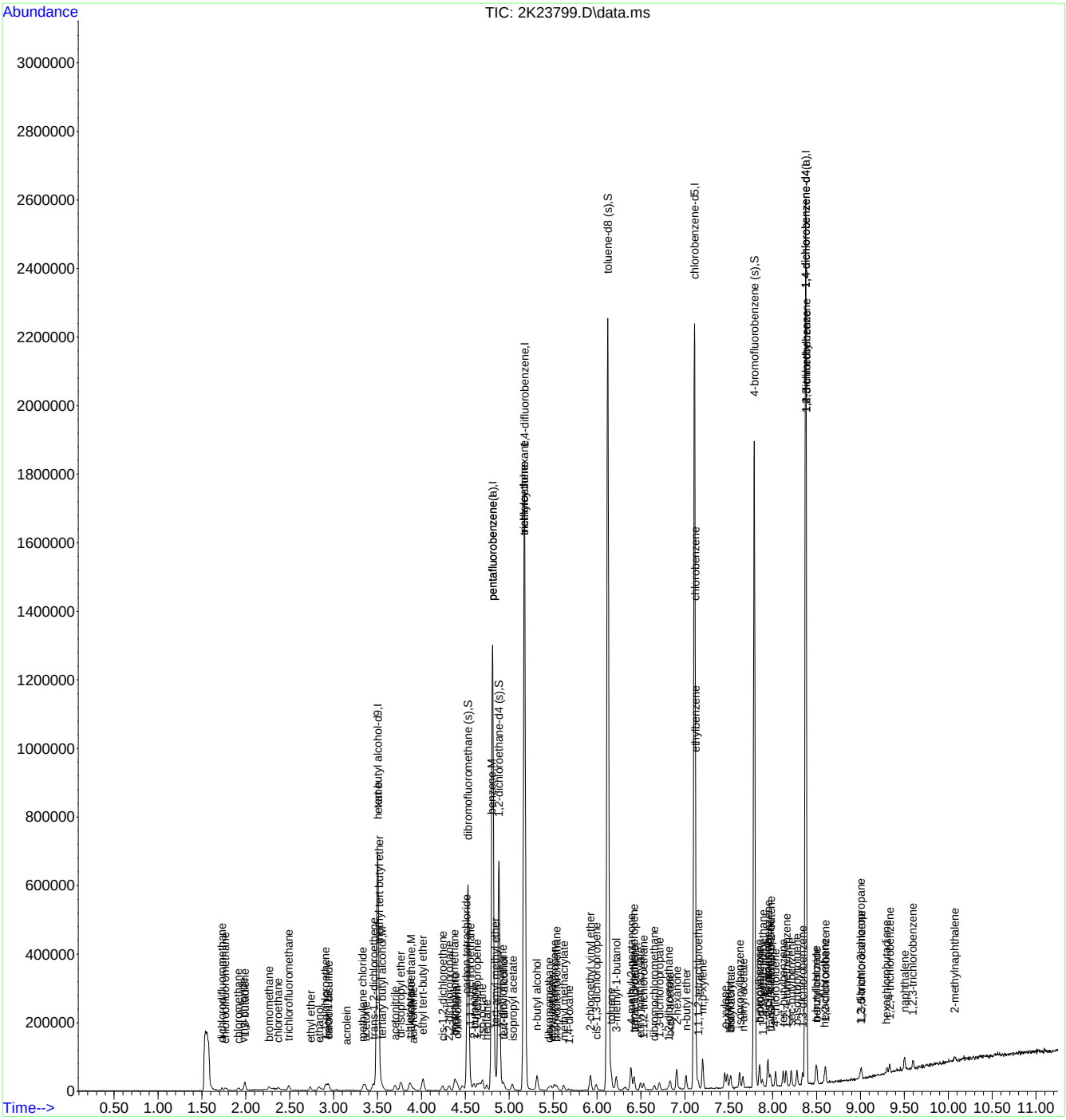
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
118) hexachlorobutadiene	9.296	225	1879	0.9881	ug/L #	62
119) naphthalene	9.502	128	17537	0.9288	ug/L	94
120) 1,2,3-trichlorobenzene	9.595	180	4662	0.8996	ug/L	86
121) hexachloroethane	8.592	119	3388	1.0652	ug/L #	74
122) benzyl chloride	8.502	126	3535	1.0746	ug/L	84
123) 2-methylnaphthalene	10.071	142	4925	0.5374	ug/L	82

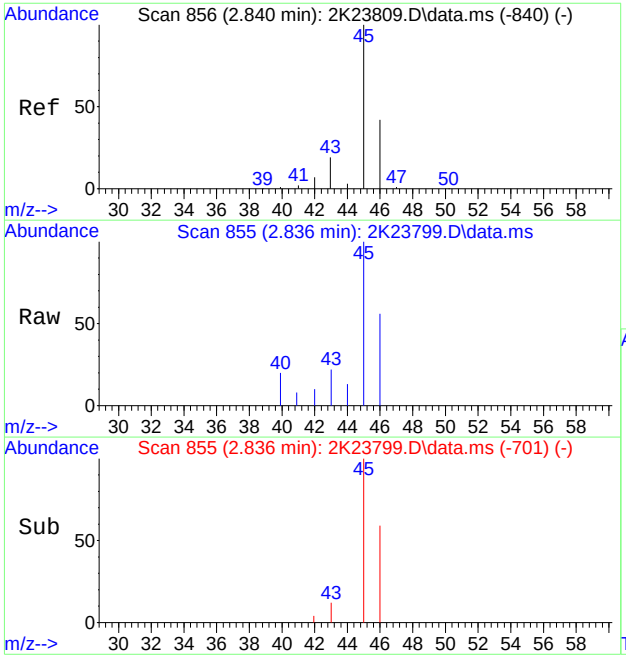
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 2K23799.D
Acq On : 5 Sep 2025 10:33 pm
Operator : PrashanS
Sample : IC658-1
Misc : MS95614,V2K658,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 08 12:47:50 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 12:37:23 2025
Response via : Initial Calibration

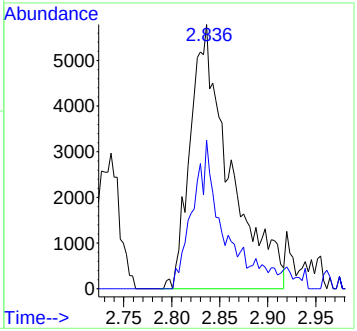


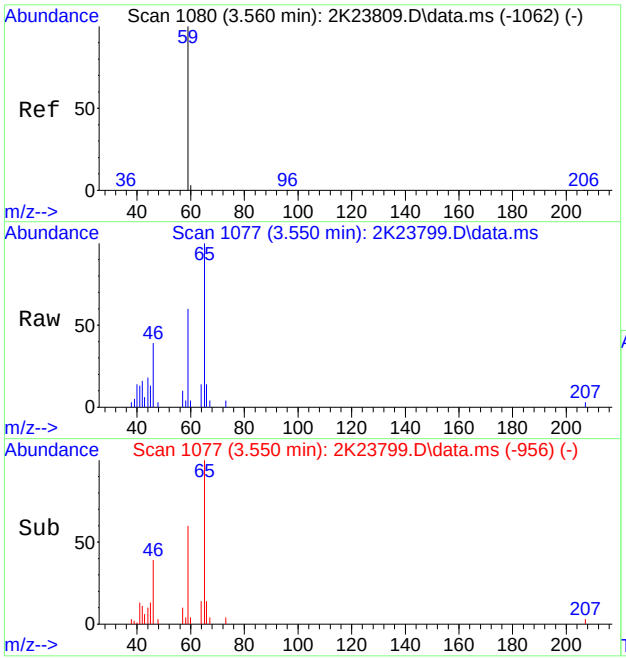


#2
ethanol
Concen: 89.20 ug/L
RT: 2.836 min Scan# 855
Delta R.T. -0.003 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion: 45 Resp: 16647

Ion	Ratio	Lower	Upper
45	100		
46	56.2	21.3	61.3

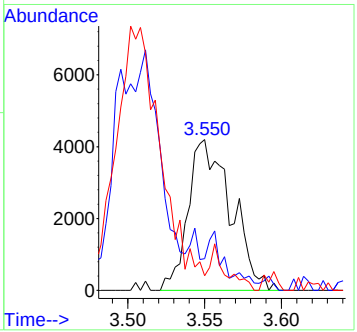


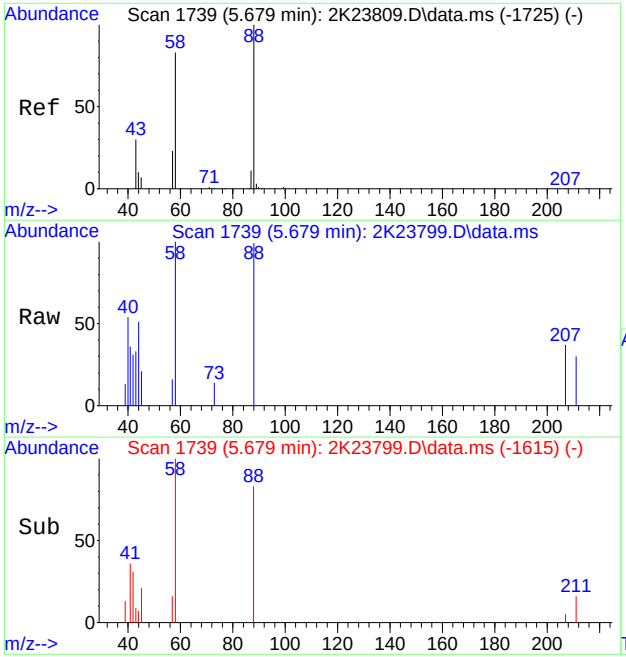


#3
tertiary butyl alcohol
Concen: 5.08 ug/L
RT: 3.550 min Scan# 1077
Delta R.T. -0.010 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion: 59 Resp: 8160

Ion	Ratio	Lower	Upper
59	100		
41	21.1	0.0	30.0
43	9.6	0.0	45.5

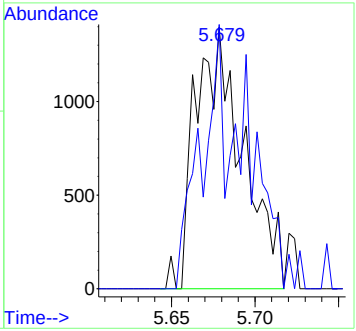


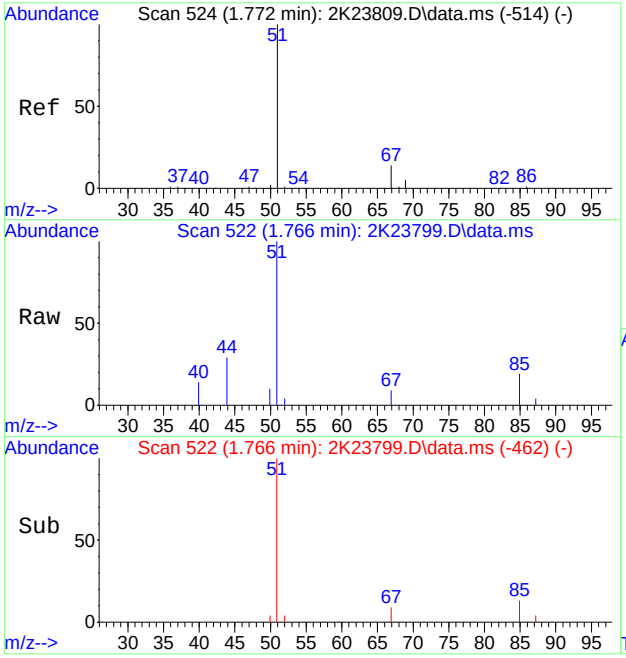


#4
1,4-dioxane
Concen: 24.31 ug/L
RT: 5.679 min Scan# 1739
Delta R.T. -0.000 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion: 88 Resp: 2769

Ion	Ratio	Lower	Upper
88	100		
58	101.0	64.5	104.5

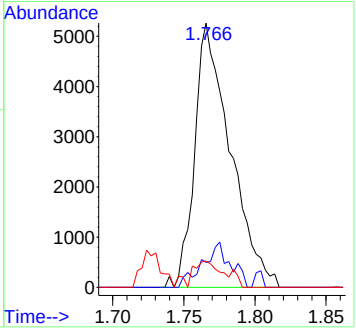


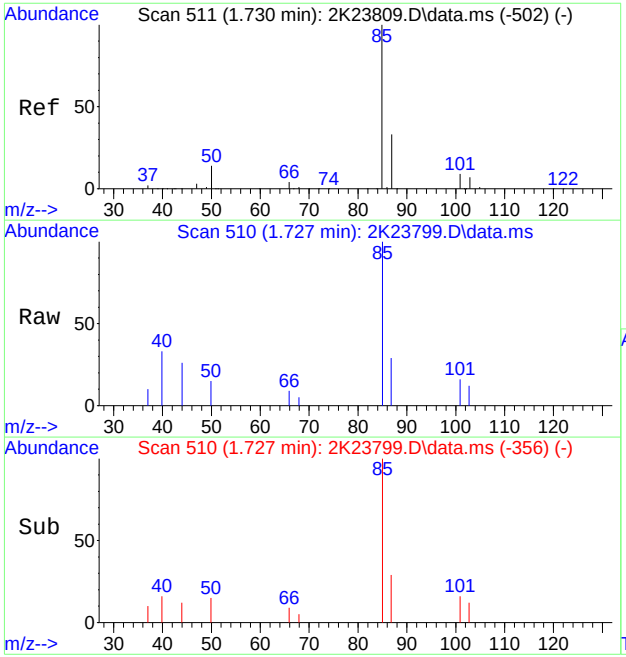


#6
chlorodifluoromethane
Concen: 0.95 ug/L
RT: 1.766 min Scan# 522
Delta R.T. -0.007 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion: 51 Resp: 9162

Ion	Ratio	Lower	Upper
51	100		
67	9.5	0.0	44.0
50	10.0	0.0	37.4

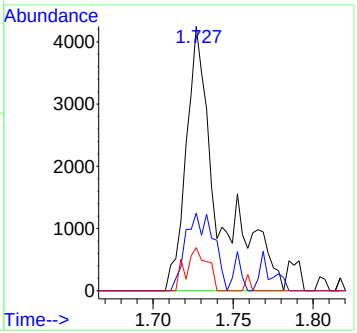


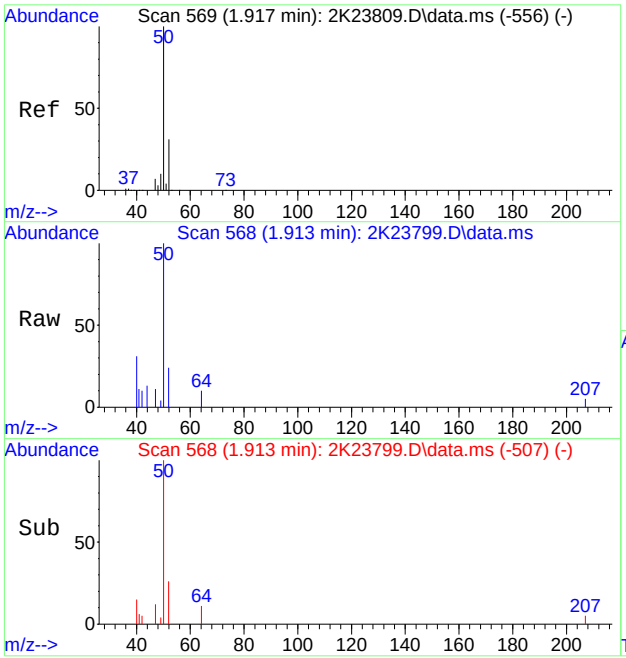


#7
dichlorodifluoromethane
Concen: 0.80 ug/L
RT: 1.727 min Scan# 510
Delta R.T. -0.003 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion: 85 Resp: 5936

Ion	Ratio	Lower	Upper
85	100		
87	29.4	3.4	63.4
101	16.4	0.0	39.0

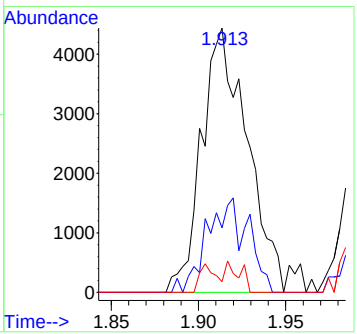


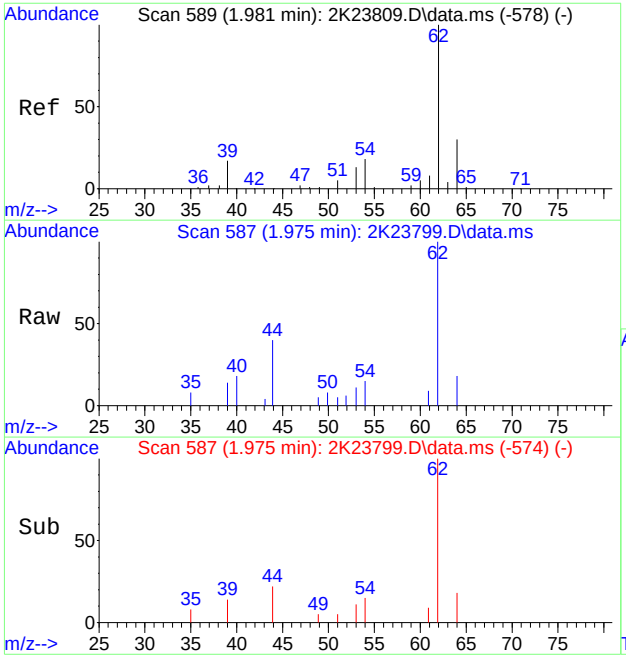


#8
chloromethane
Concen: 0.96 ug/L
RT: 1.913 min Scan# 568
Delta R.T. -0.003 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion: 50 Resp: 8055

Ion	Ratio	Lower	Upper
50	100		
52	24.3	0.8	60.8
49	4.0	0.0	40.1

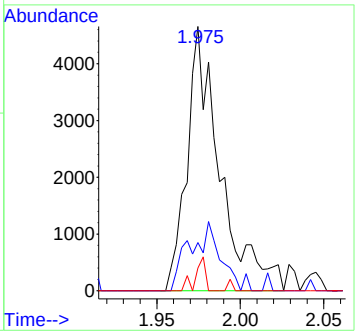


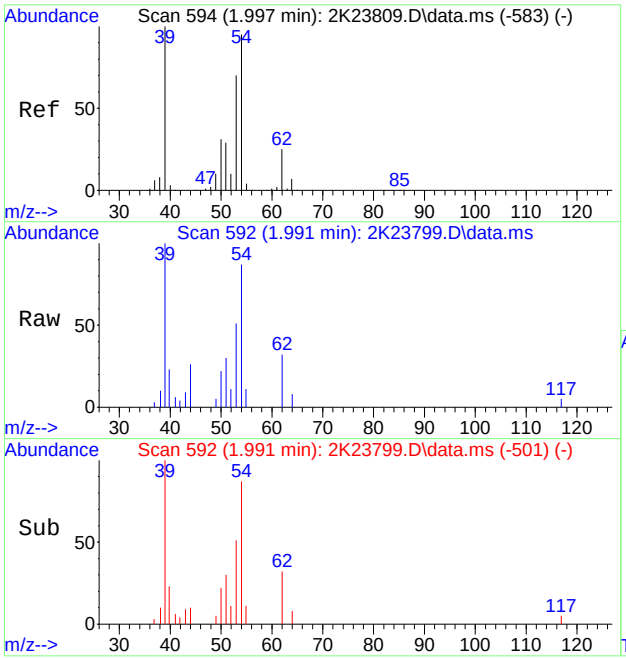


#9
vinyl chloride
Concen: 0.93 ug/L
RT: 1.975 min Scan# 587
Delta R.T. -0.007 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion: 62 Resp: 6404

Ion	Ratio	Lower	Upper
62	100		
64	18.3	0.0	60.0
61	8.6	0.0	37.6

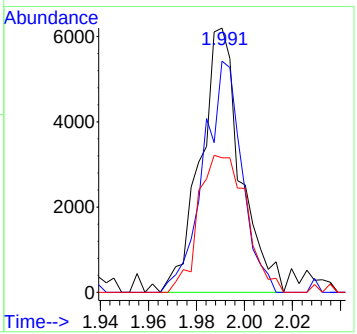


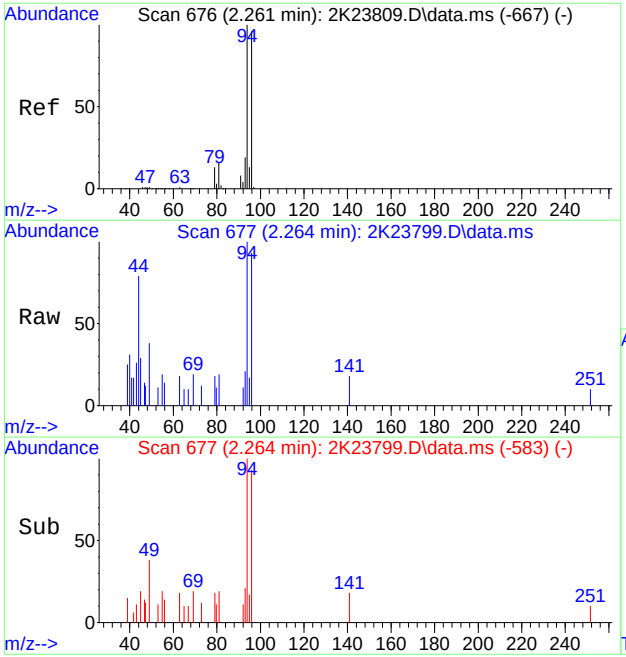


#10
1,3-butadiene
Concen: 1.02 ug/L
RT: 1.991 min Scan# 592
Delta R.T. -0.007 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion: 39 Resp: 7201

Ion	Ratio	Lower	Upper
39	100		
54	87.5	65.4	125.4
53	50.9	40.3	100.3

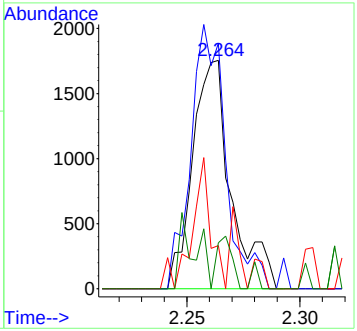


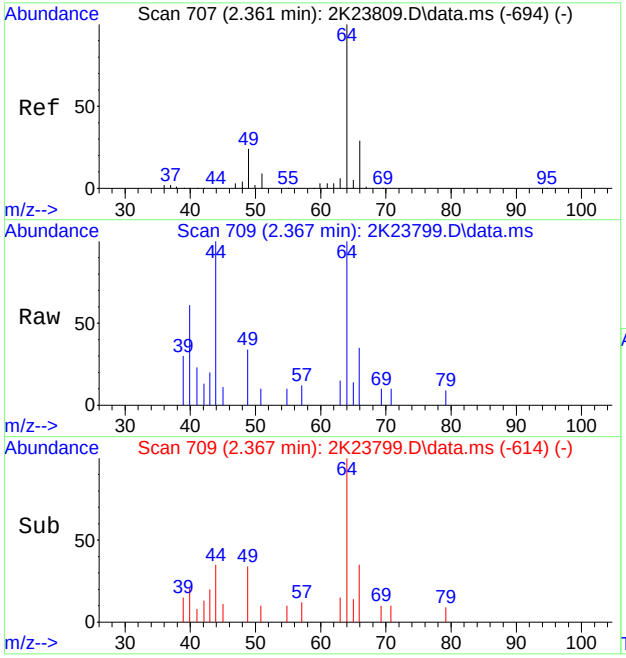


#11
bromomethane
Concen: 0.93 ug/L
RT: 2.264 min Scan# 677
Delta R.T. 0.003 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion: 96 Resp: 2077

Ion	Ratio	Lower	Upper
96	100		
94	107.4	74.5	134.5
79	19.0	13.7	13.7#
81	20.2	0.0	36.3

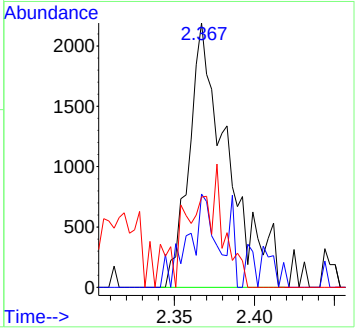


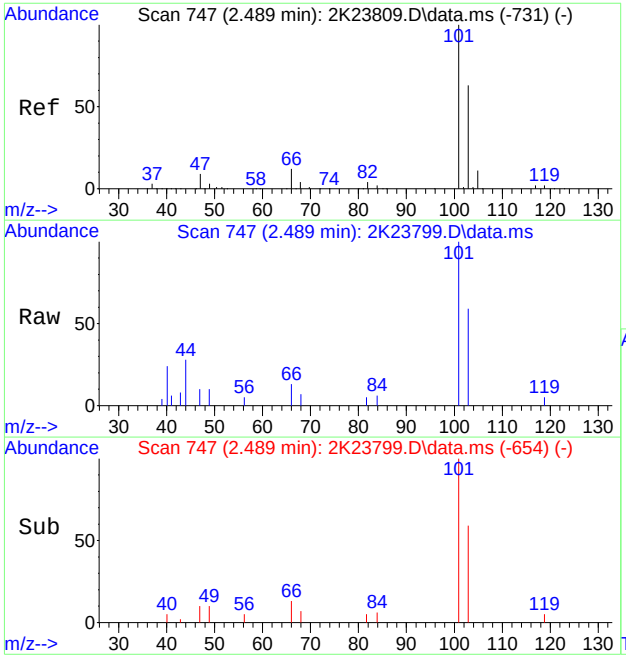


#12
chloroethane
Concen: 1.10 ug/L
RT: 2.367 min Scan# 709
Delta R.T. 0.006 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion: 64 Resp: 3687

Ion	Ratio	Lower	Upper
64	100		
66	35.3	0.0	59.3
49	34.1	0.0	54.3

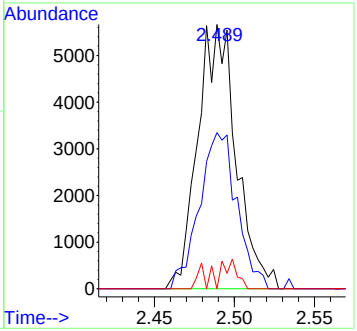


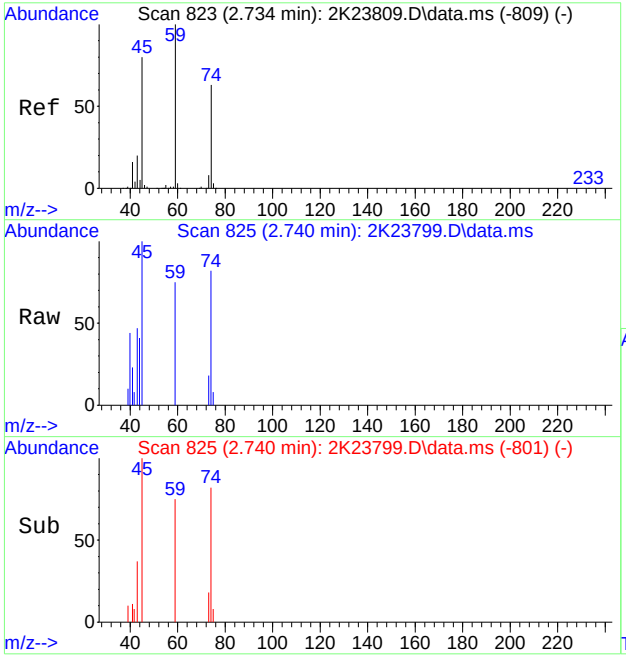


#13
trichlorofluoromethane
Concen: 1.03 ug/L
RT: 2.489 min Scan# 747
Delta R.T. -0.000 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion:101 Resp: 9466

Ion	Ratio	Lower	Upper
101	100		
103	59.0	33.3	93.3
105	0.0	0.0	40.7

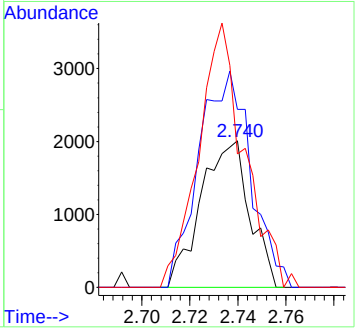


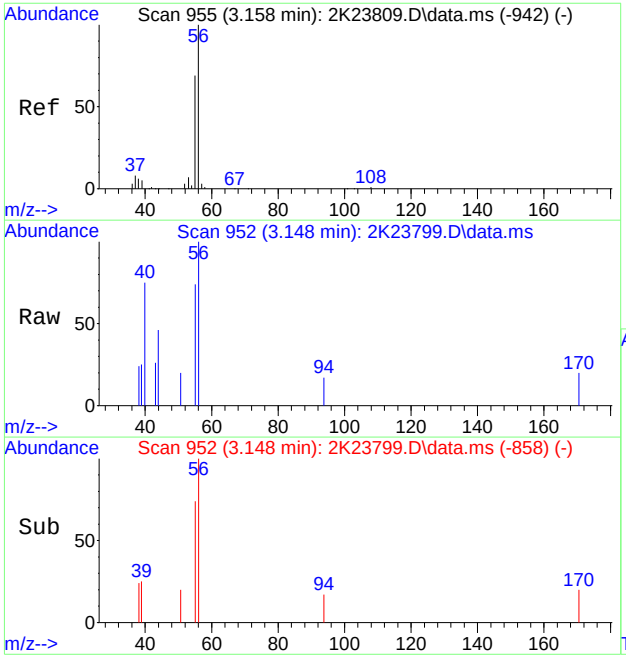


#14
ethyl ether
Concen: 0.81 ug/L
RT: 2.740 min Scan# 825
Delta R.T. 0.006 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion: 74 Resp: 2833

Ion	Ratio	Lower	Upper
74	100		
45	121.4	96.7	156.7
59	91.0	128.9	188.9#

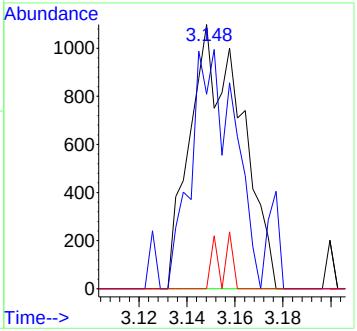


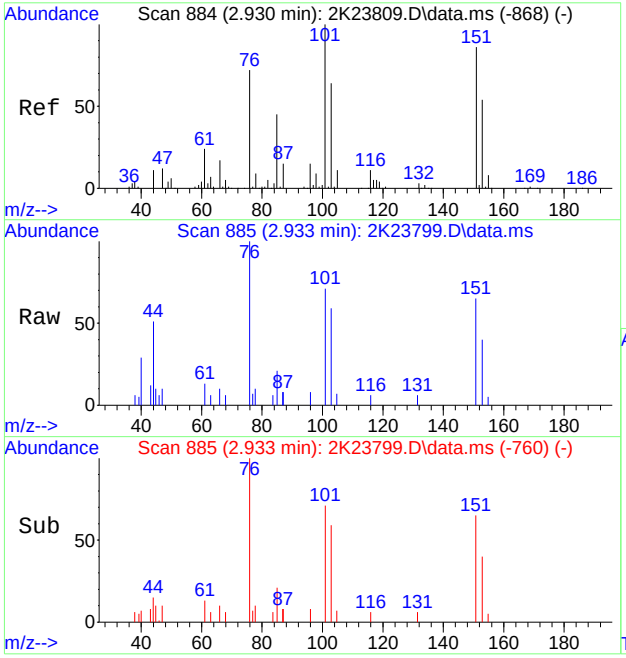


#15
acrolein
Concen: 0.86 ug/L
RT: 3.148 min Scan# 952
Delta R.T. -0.010 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion: 56 Resp: 1634

Ion	Ratio	Lower	Upper
56	100		
55	73.6	38.7	98.7
53	0.0	0.0	37.4

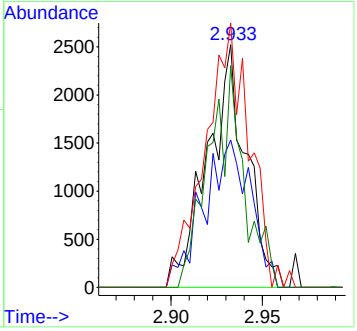


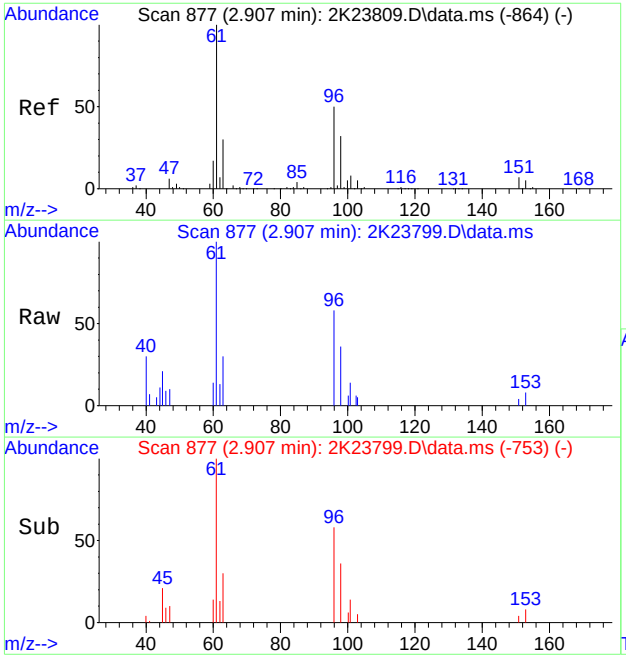


#16
freon 113
Concen: 0.86 ug/L
RT: 2.933 min Scan# 885
Delta R.T. 0.003 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion:151 Resp: 3751

Ion	Ratio	Lower	Upper
151	100		
153	60.8	43.0	83.0
101	109.0	95.9	135.9
103	91.4	54.3	94.3

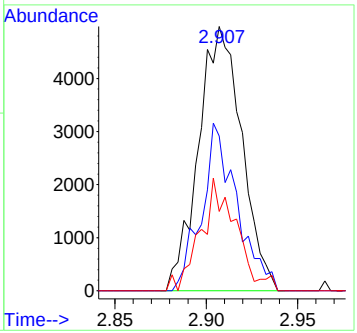


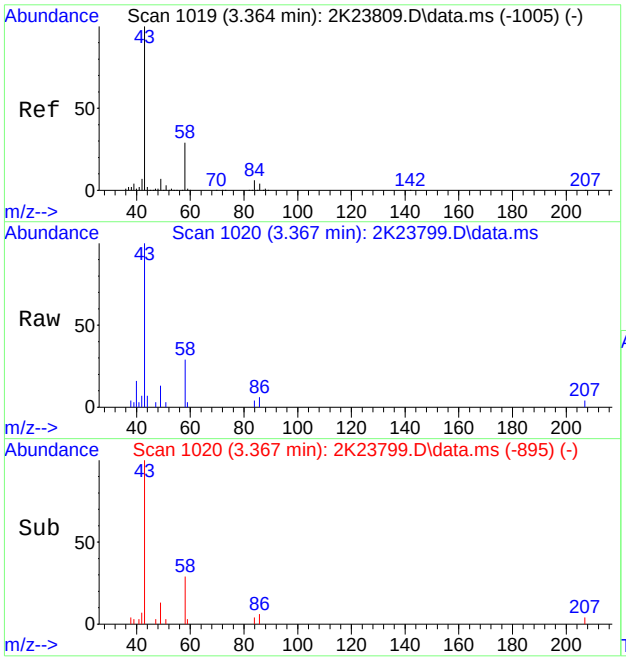


#17
1,1-dichloroethene
Concen: 0.90 ug/L
RT: 2.907 min Scan# 877
Delta R.T. -0.000 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion: 61 Resp: 8231

Ion	Ratio	Lower	Upper
61	100		
96	58.5	19.8	79.8
63	30.0	0.4	60.4

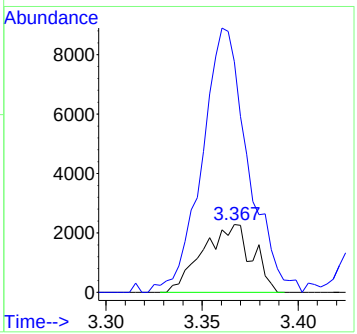


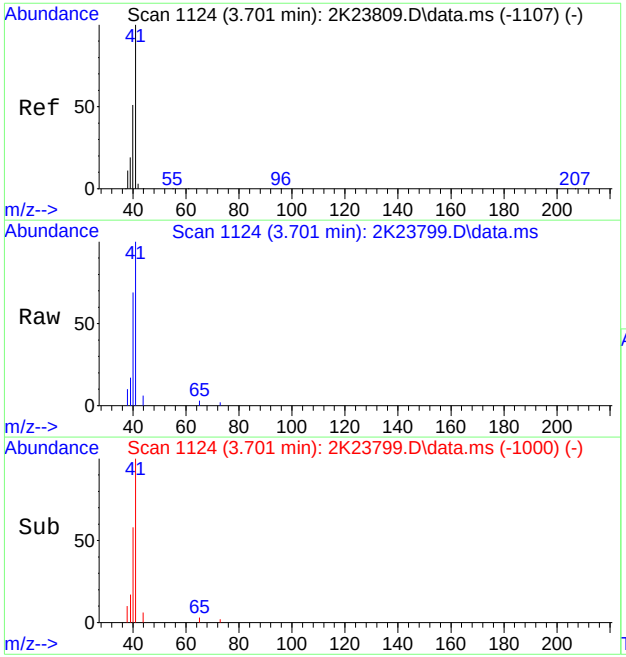


#18
acetone
Concen: 3.48 ug/L
RT: 3.367 min Scan# 1020
Delta R.T. 0.003 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion: 58 Resp: 4094

Ion	Ratio	Lower	Upper
58	100		
43	329.2	317.9	377.9

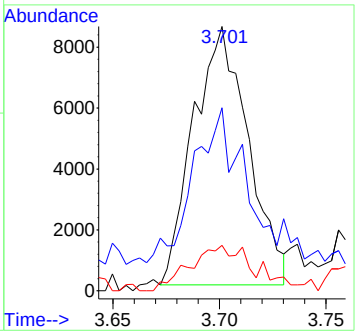


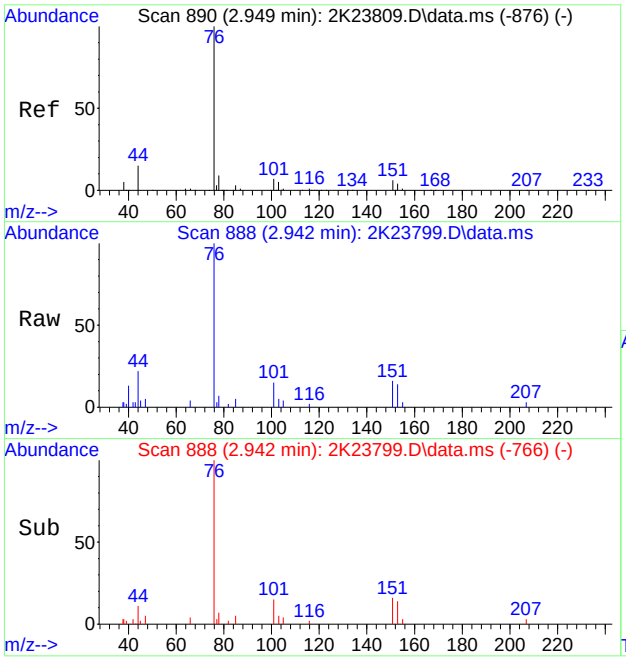


#19
acetonitrile
Concen: 9.34 ug/L
RT: 3.701 min Scan# 1124
Delta R.T. -0.000 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion: 41 Resp: 15170

Ion	Ratio	Lower	Upper
41	100		
40	50.4	20.7	80.7
39	14.0	0.0	48.9

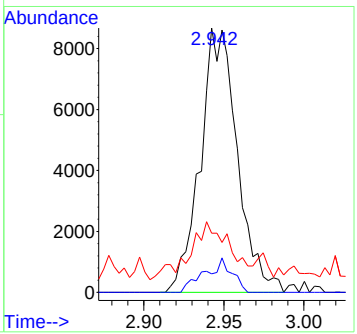


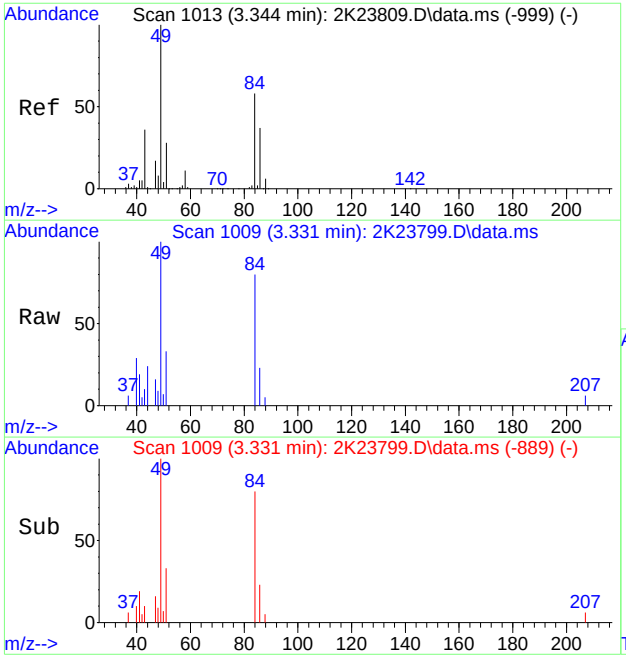


#21
carbon disulfide
Concen: 0.92 ug/L
RT: 2.942 min Scan# 888
Delta R.T. -0.007 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion: 76 Resp: 13956

Ion	Ratio	Lower	Upper
76	100		
78	7.1	0.0	39.4
44	15.8	0.0	44.9

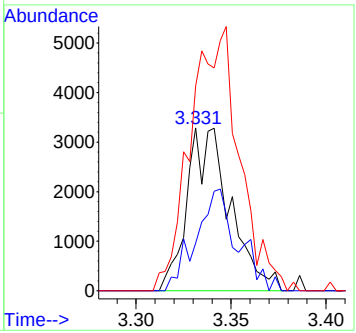


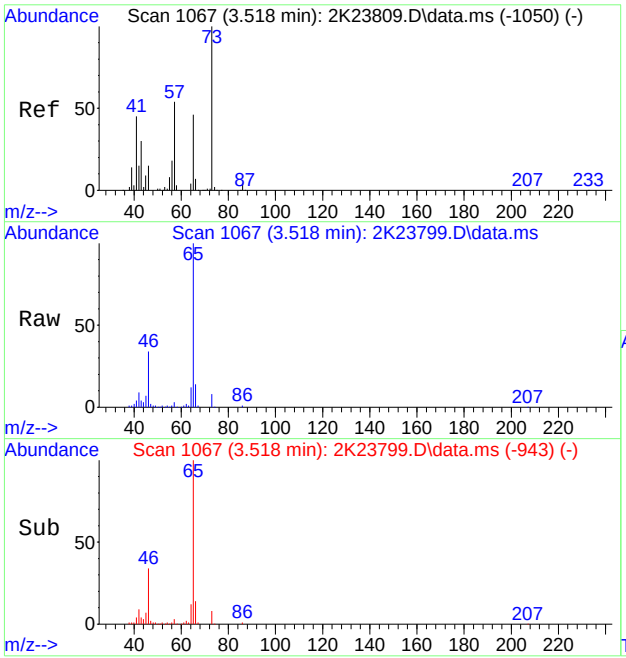


#22
methylene chloride
Concen: 1.01 ug/L m
RT: 3.331 min Scan# 1009
Delta R.T. -0.013 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion: 84 Resp: 5167

Ion	Ratio	Lower	Upper
84	100		
86	29.2	33.4	93.4#
49	125.7	141.9	201.9#

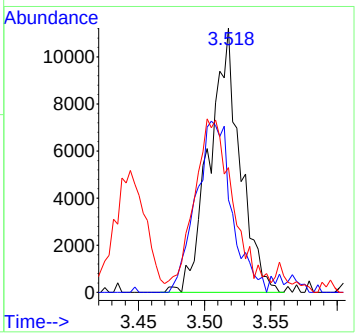


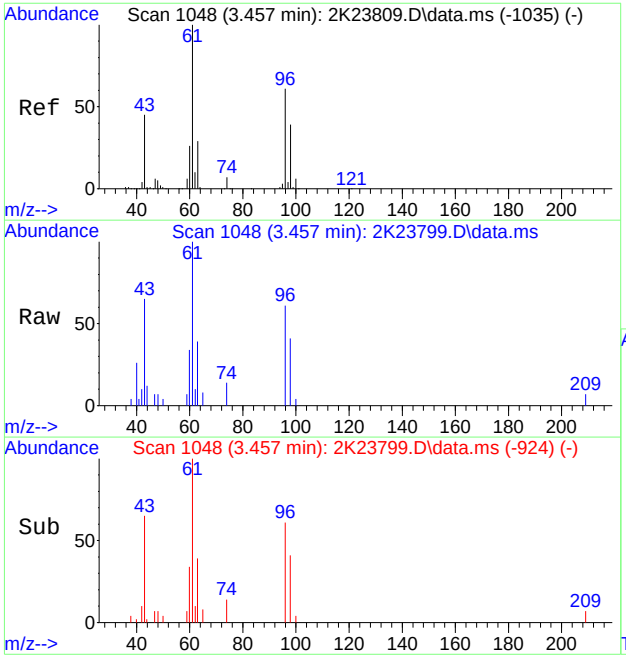


#24
methyl tert butyl ether
Concen: 0.98 ug/L
RT: 3.518 min Scan# 1067
Delta R.T. -0.000 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion: 73 Resp: 18079

Ion	Ratio	Lower	Upper
73	100		
57	35.0	23.8	83.8
43	42.3	11.7	71.7

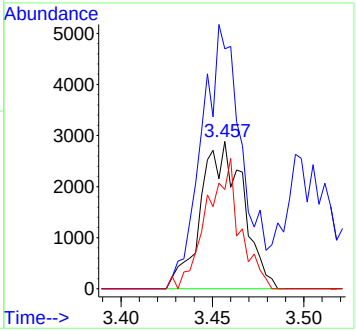


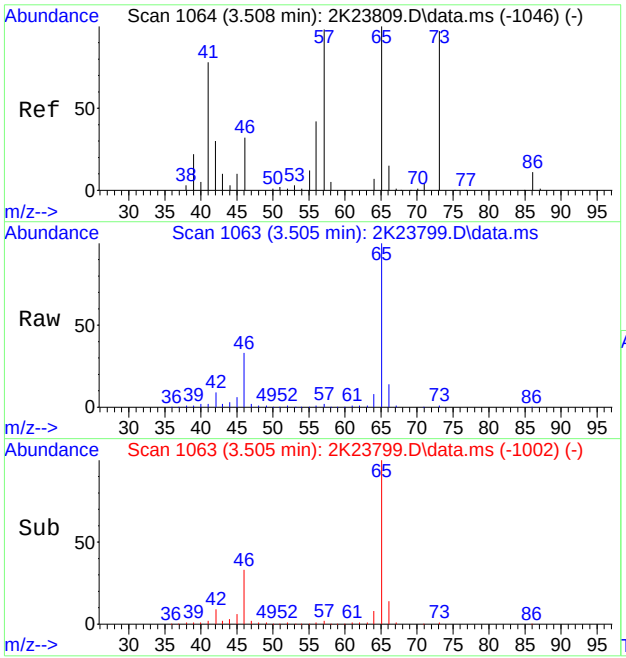


#25
trans-1,2-dichloroethene
Concen: 0.86 ug/L
RT: 3.457 min Scan# 1048
Delta R.T. -0.000 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion: 96 Resp: 4667

Ion	Ratio	Lower	Upper
96	100		
61	162.8	132.8	192.8
98	67.3	34.2	94.2

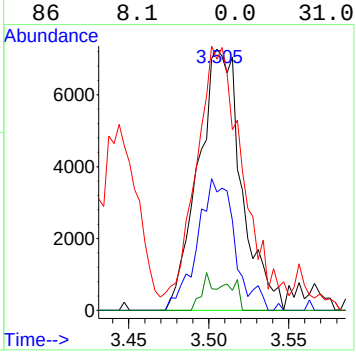


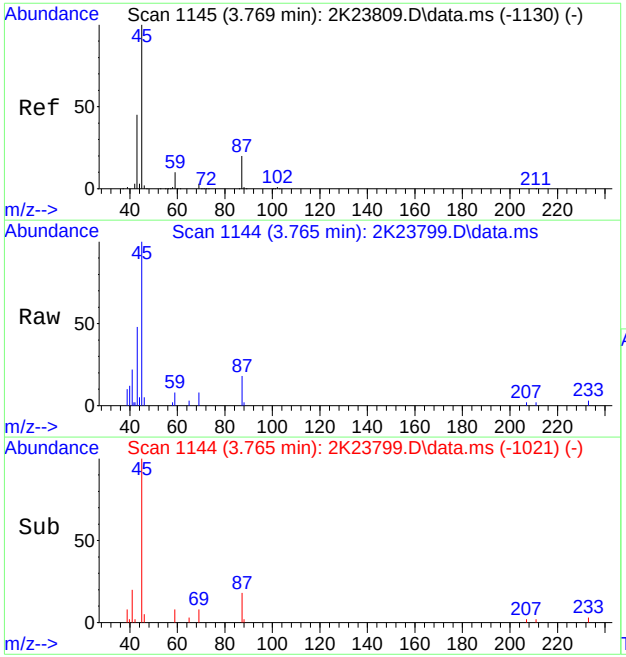


#26
hexane
Concen: 0.93 ug/L
RT: 3.505 min Scan# 1063
Delta R.T. -0.003 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion: 57 Resp: 13700

Ion	Ratio	Lower	Upper
57	100		
56	45.3	22.5	62.5
43	91.0	45.1	85.1#
86	8.1	0.0	31.0

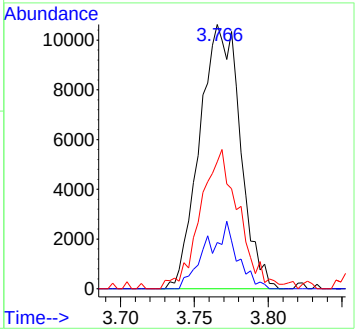


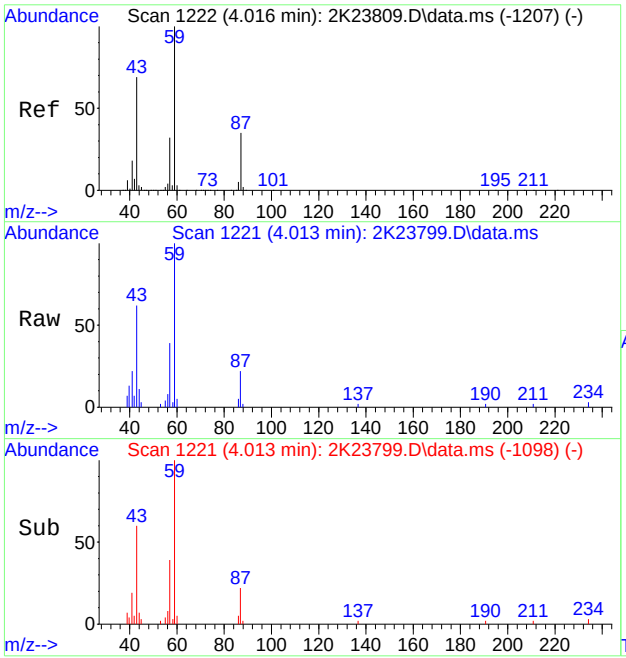


#27
di-isopropyl ether
Concen: 0.84 ug/L
RT: 3.765 min Scan# 1144
Delta R.T. -0.003 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion: 45 Resp: 20241

Ion	Ratio	Lower	Upper
45	100		
87	17.5	0.0	49.8
43	48.1	15.4	75.4

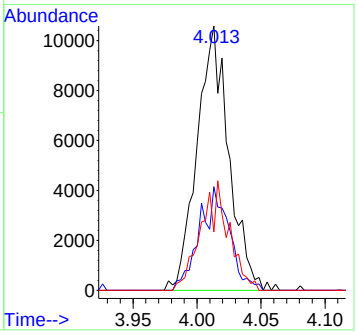


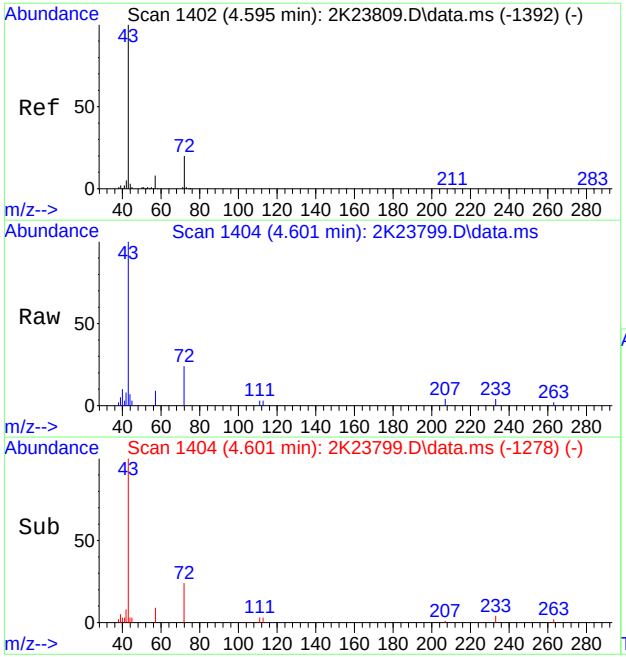


#28
ethyl tert-butyl ether
Concen: 0.86 ug/L
RT: 4.013 min Scan# 1221
Delta R.T. -0.003 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion: 59 Resp: 18281

Ion	Ratio	Lower	Upper
59	100		
57	39.2	1.6	61.6
87	22.1	5.2	65.2

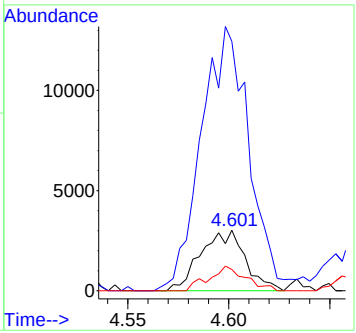


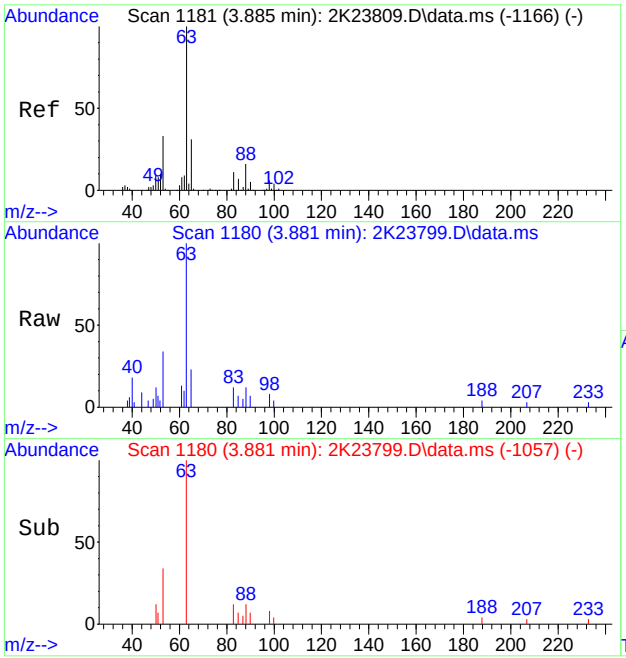


#29
2-butanone
Concen: 3.66 ug/L
RT: 4.601 min Scan# 1404
Delta R.T. 0.006 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion: 72 Resp: 4623

Ion	Ratio	Lower	Upper
72	100		
43	405.6	461.8	521.8#
57	35.4	7.0	67.0

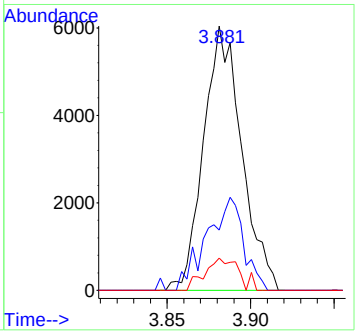


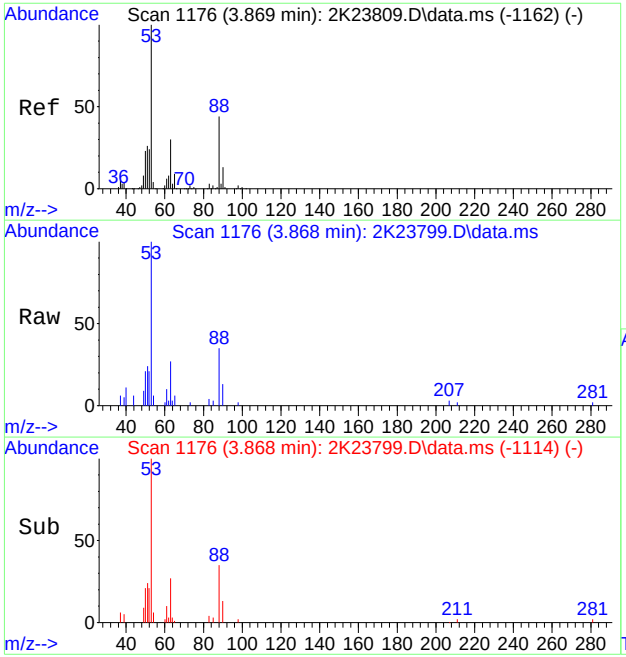


#30
1,1-dichloroethane
Concen: 0.87 ug/L
RT: 3.881 min Scan# 1180
Delta R.T. -0.003 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion: 63 Resp: 9575

Ion	Ratio	Lower	Upper
63	100		
65	22.8	0.5	60.5
83	12.2	0.0	41.0

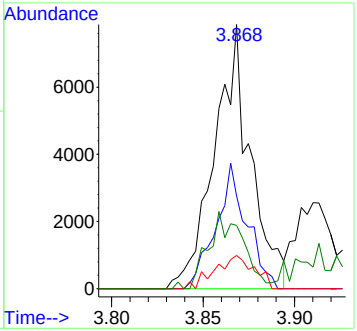


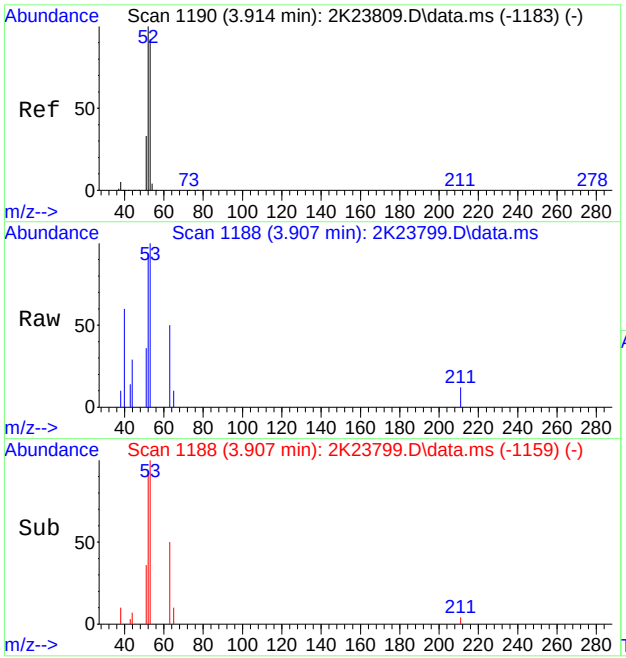


#31
chloroprene
Concen: 0.91 ug/L
RT: 3.868 min Scan# 1176
Delta R.T. -0.000 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion: 53 Resp: 10782

Ion	Ratio	Lower	Upper
53	100		
88	35.1	14.2	74.2
90	12.6	0.0	42.9
51	24.0	0.0	55.9

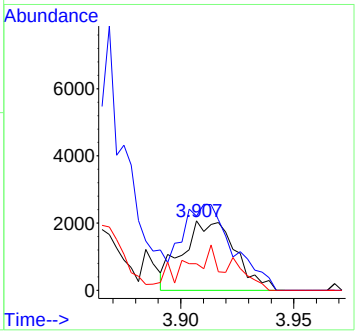


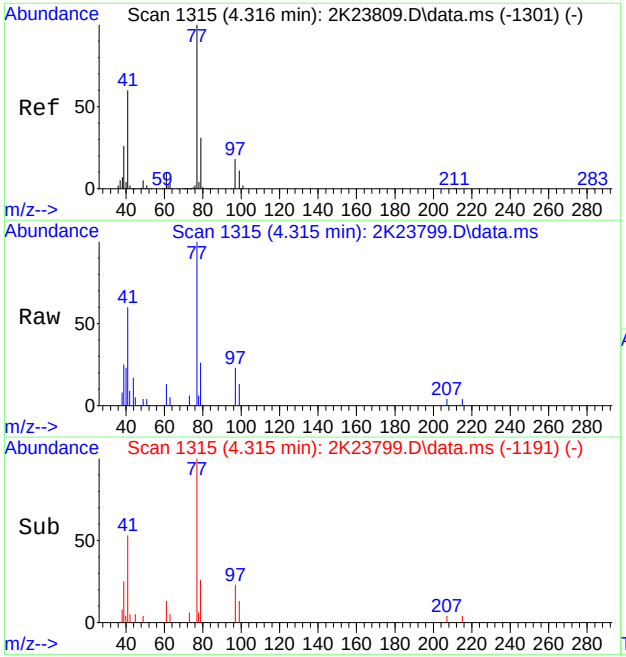


#32
acrylonitrile
Concen: 0.96 ug/L
RT: 3.907 min Scan# 1188
Delta R.T. -0.007 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion: 52 Resp: 3376

Ion	Ratio	Lower	Upper
52	100		
53	107.0	92.5	152.5
51	38.1	9.1	69.1

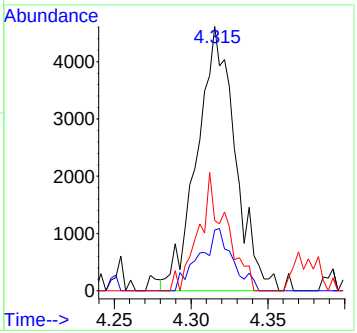


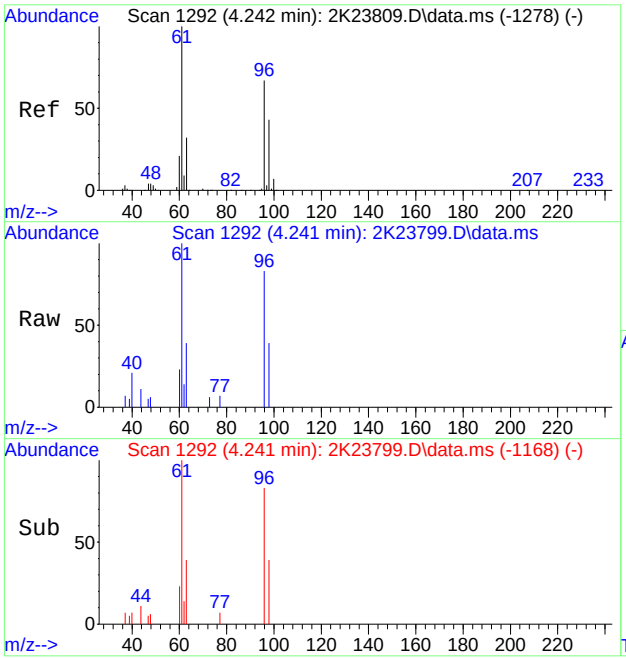


#35
2,2-dichloropropane
Concen: 0.91 ug/L
RT: 4.315 min Scan# 1315
Delta R.T. -0.000 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion: 77 Resp: 7946

Ion	Ratio	Lower	Upper
77	100		
97	23.0	0.0	47.7
79	26.5	0.6	60.6

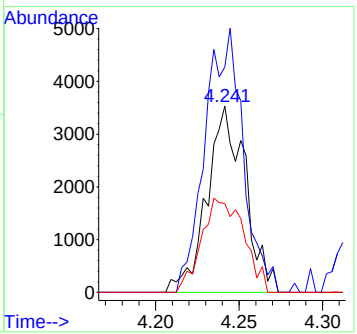


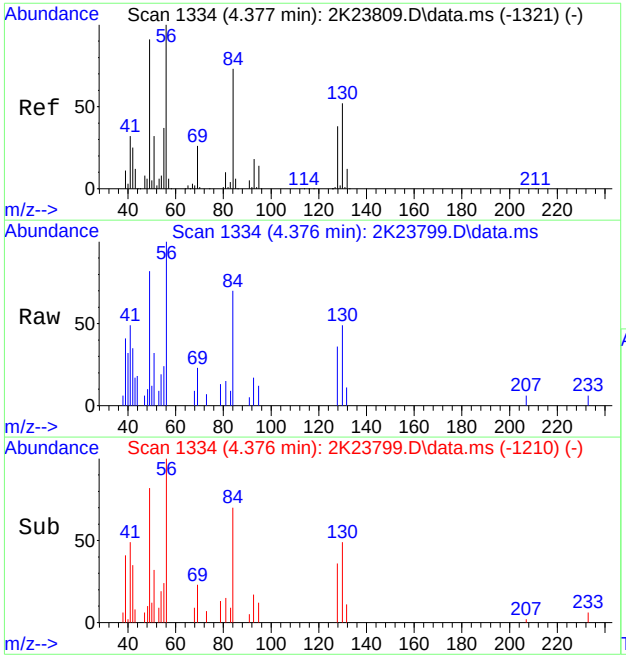


#36
cis-1,2-dichloroethene
Concen: 1.01 ug/L
RT: 4.241 min Scan# 1292
Delta R.T. -0.000 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion: 96 Resp: 5651

Ion	Ratio	Lower	Upper
96	100		
61	121.0	118.2	178.2
98	47.7	34.3	94.3

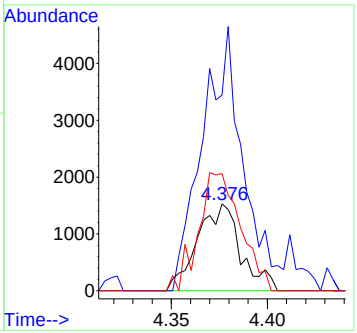


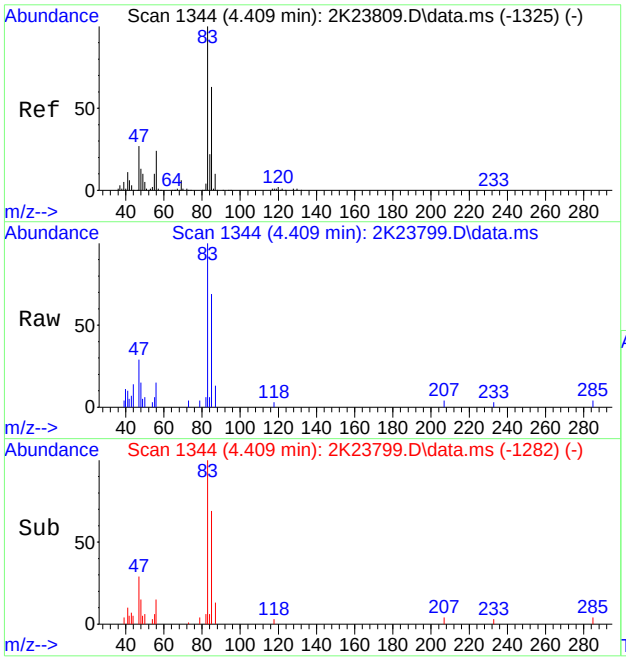


#39
bromochloromethane
Concen: 1.01 ug/L
RT: 4.376 min Scan# 1334
Delta R.T. -0.000 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion:128 Resp: 2392

Ion	Ratio	Lower	Upper
128	100		
49	225.0	213.9	273.9
130	134.7	107.4	167.4

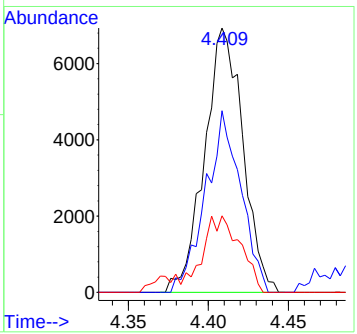


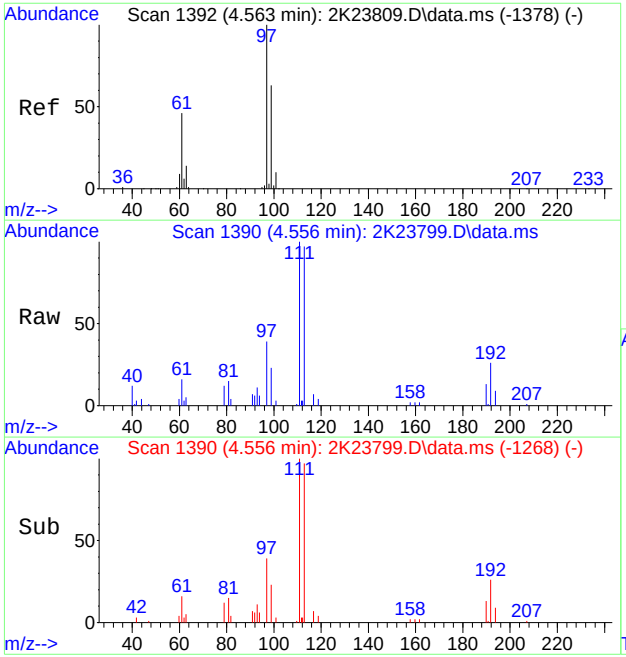


#41
chloroform
Concen: 1.20 ug/L
RT: 4.409 min Scan# 1344
Delta R.T. -0.000 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion: 83 Resp: 11579

Ion	Ratio	Lower	Upper
83	100		
85	68.7	33.0	93.0
47	28.9	0.0	56.9

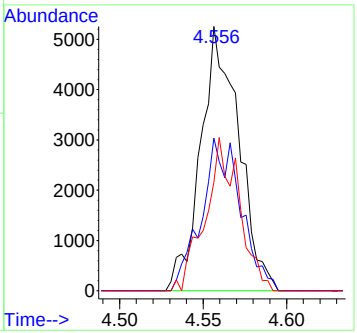


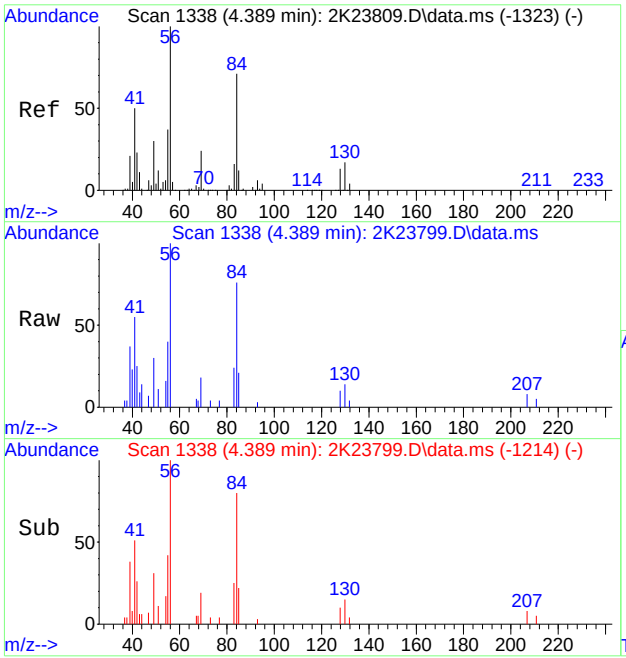


#44
1,1,1-trichloroethane
Concen: 0.94 ug/L
RT: 4.556 min Scan# 1390
Delta R.T. -0.007 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion: 97 Resp: 8326

Ion	Ratio	Lower	Upper
97	100		
99	57.8	32.8	92.8
61	41.0	16.5	76.5

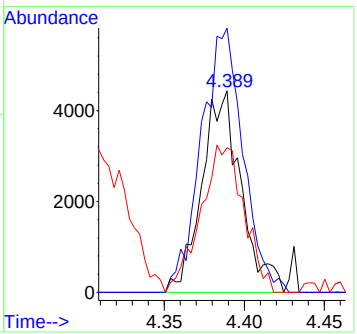


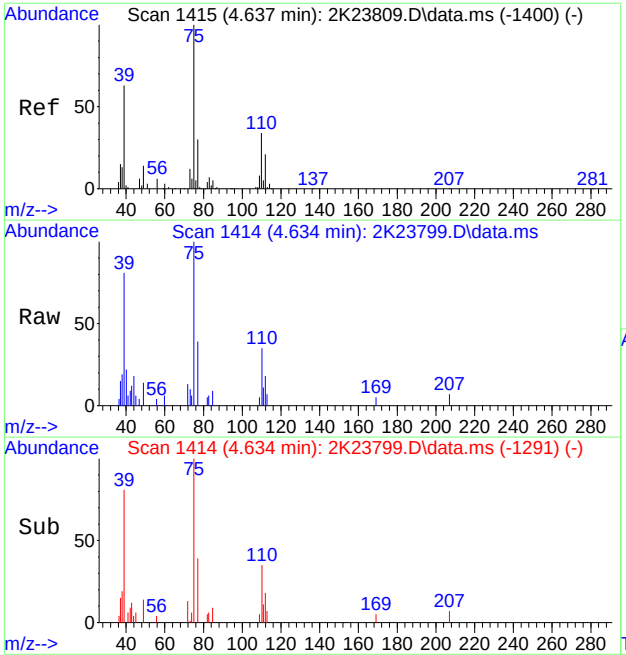


#45
cyclohexane
Concen: 0.98 ug/L
RT: 4.389 min Scan# 1338
Delta R.T. -0.000 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion: 84 Resp: 7594

Ion	Ratio	Lower	Upper
84	100		
56	131.2	120.0	160.0
41	71.8	58.4	98.4

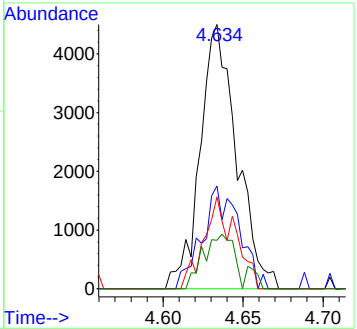


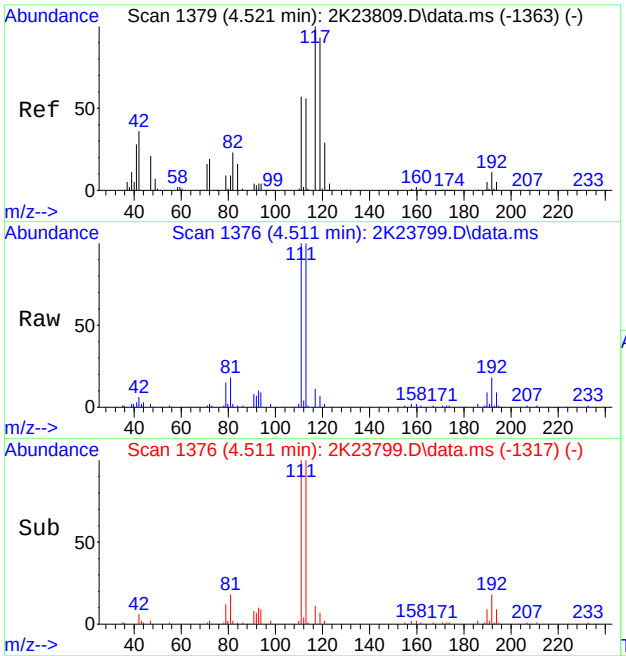


#46
1,1-dichloropropene
Concen: 0.97 ug/L
RT: 4.634 min Scan# 1414
Delta R.T. -0.003 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion: 75 Resp: 7191

Ion	Ratio	Lower	Upper
75	100		
77	38.9	10.5	50.5
110	34.8	14.4	54.4
112	18.4	0.7	40.7

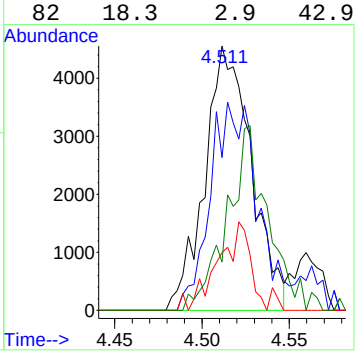


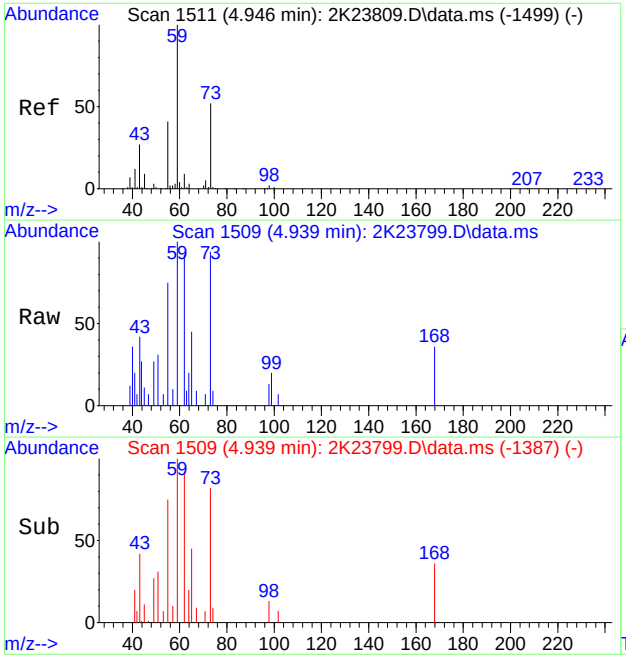


#47
carbon tetrachloride
Concen: 1.12 ug/L
RT: 4.511 min Scan# 1376
Delta R.T. -0.010 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion:117 Resp: 8479

Ion	Ratio	Lower	Upper
117	100		
119	57.8	72.9	112.9#
121	21.9	9.2	49.2
82	18.3	2.9	42.9

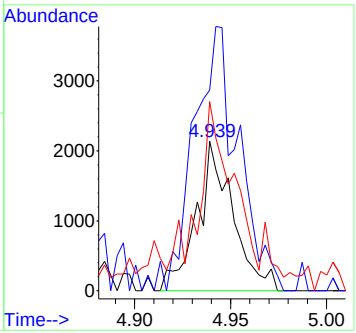


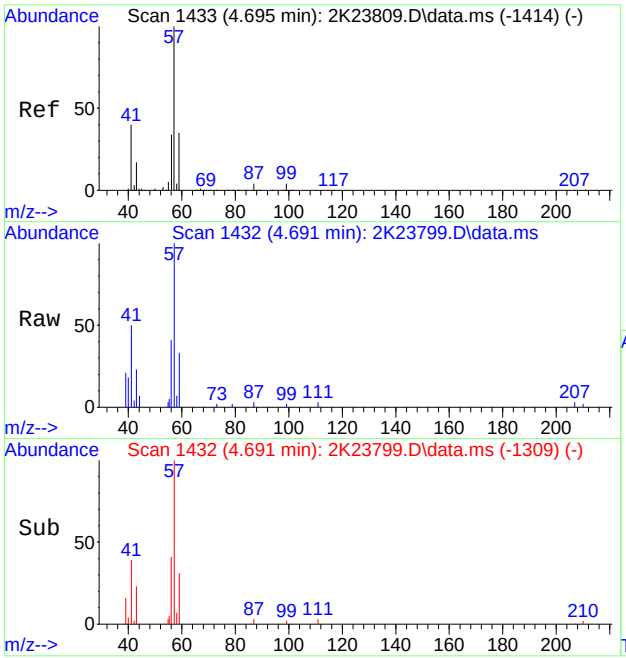


#49
tert-amyl alcohol
Concen: 4.79 ug/L
RT: 4.939 min Scan# 1509
Delta R.T. -0.007 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion: 55 Resp: 2792

Ion	Ratio	Lower	Upper
55	100		
59	134.0	218.4	258.4#
73	117.3	106.6	146.6

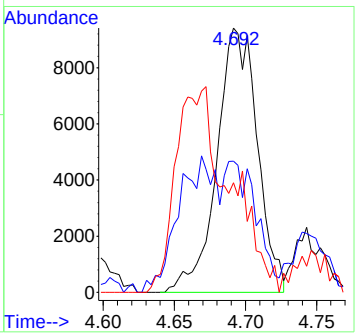


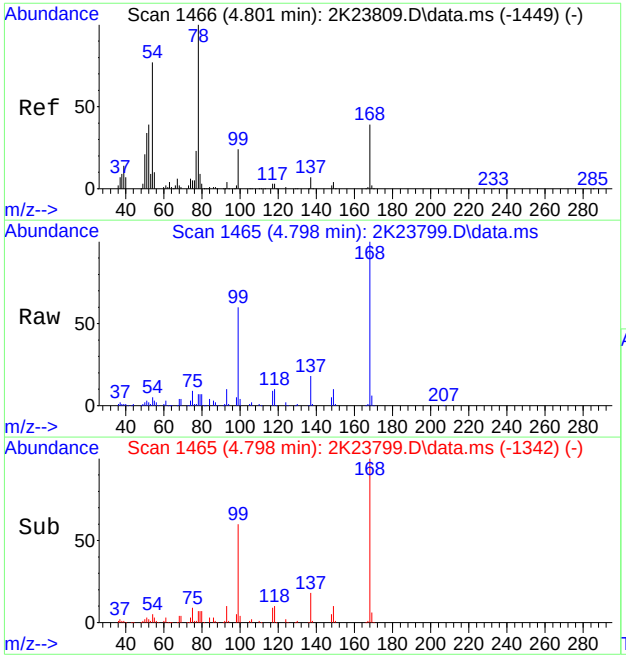


#52
iso-octane
Concen: 0.87 ug/L
RT: 4.691 min Scan# 1432
Delta R.T. -0.003 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion: 57 Resp: 18614

Ion	Ratio	Lower	Upper
57	100		
41	43.9	19.7	59.7
56	34.6	14.3	54.3

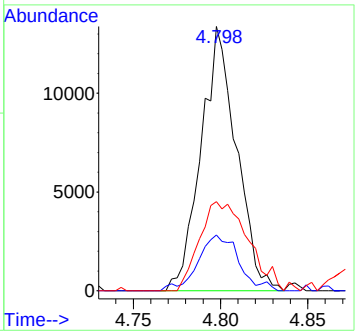


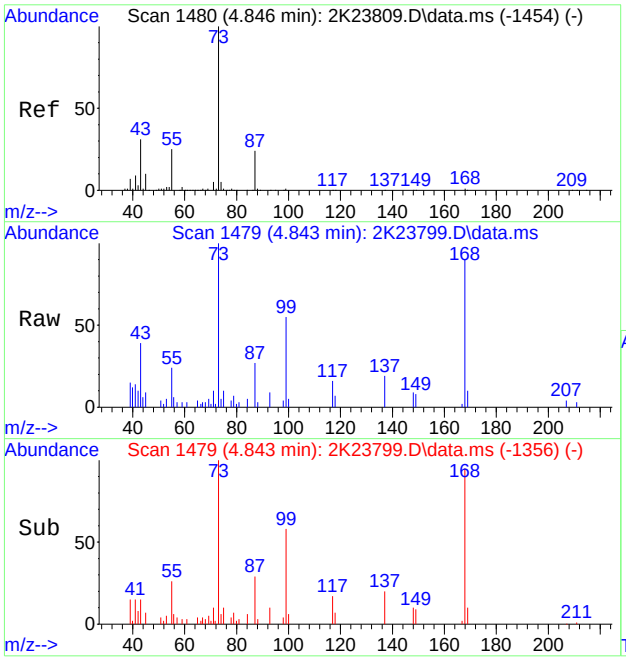


#53
benzene
Concen: 0.87 ug/L
RT: 4.798 min Scan# 1465
Delta R.T. -0.003 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion: 78 Resp: 18960

Ion	Ratio	Lower	Upper
78	100		
77	21.1	0.0	53.5
52	33.7	8.9	68.9

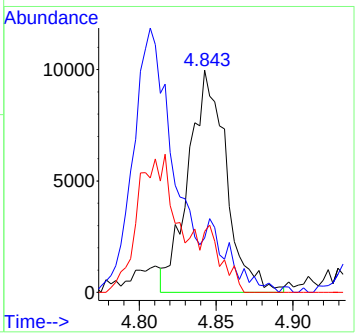


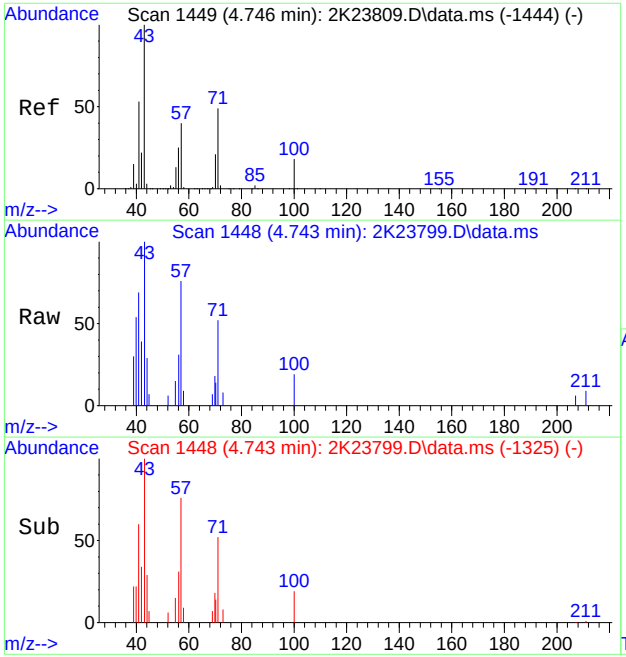


#54
tert-amyl methyl ether
Concen: 0.90 ug/L
RT: 4.843 min Scan# 1479
Delta R.T. -0.003 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion: 73 Resp: 17076

Ion	Ratio	Lower	Upper
73	100		
55	28.3	6.1	46.1
87	28.0	4.3	44.3

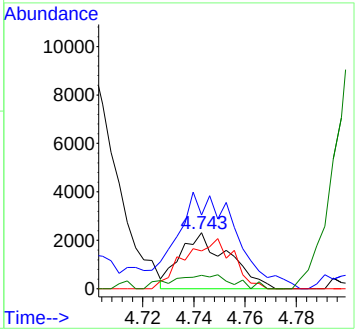


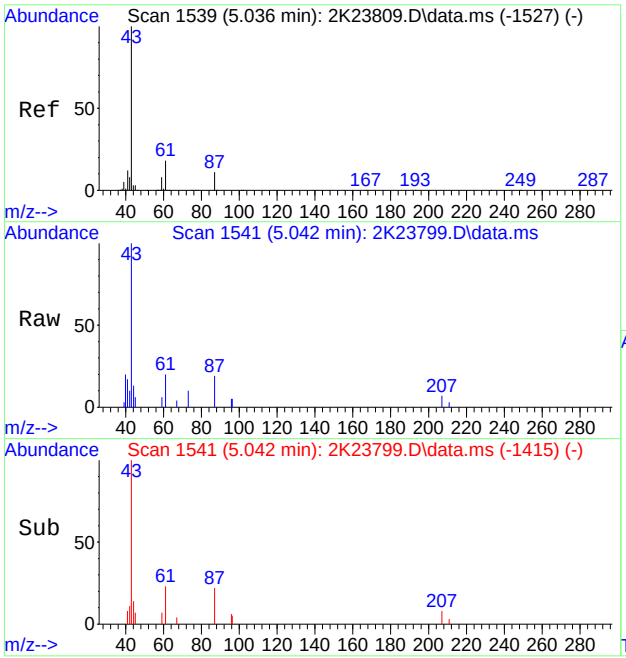


#55
heptane
Concen: 1.02 ug/L
RT: 4.743 min Scan# 1448
Delta R.T. -0.003 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion: 57 Resp: 3051

Ion	Ratio	Lower	Upper
57	100		
43	114.0	171.2	231.2#
71	67.6	63.1	123.1
100	24.3	0.0	55.4

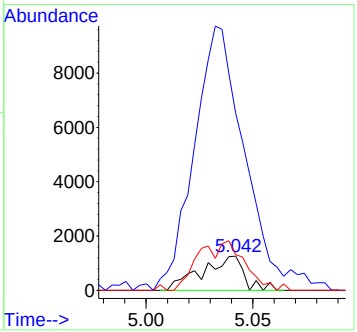


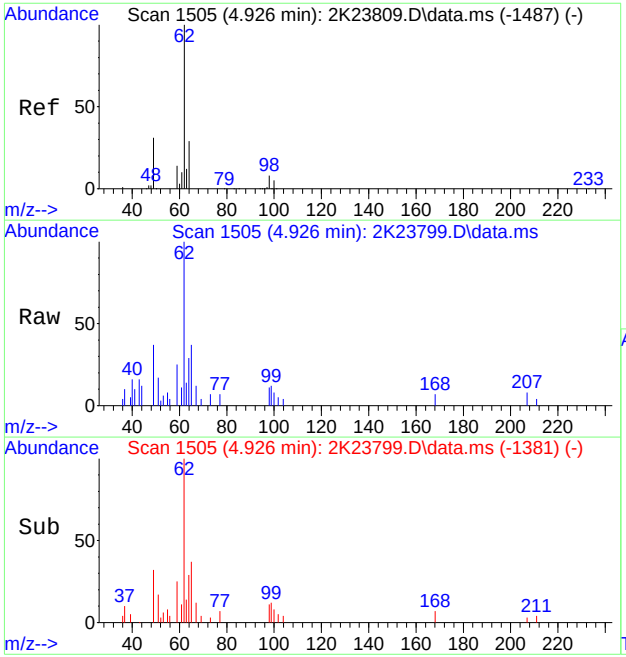


#56
isopropyl acetate
Concen: 1.01 ug/L
RT: 5.042 min Scan# 1541
Delta R.T. 0.006 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion: 87 Resp: 1759

Ion	Ratio	Lower	Upper
87	100		
43	480.7	917.6	977.6#
61	87.6	137.7	197.7#

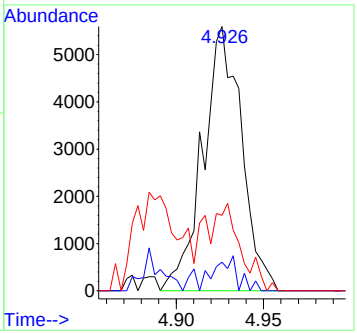


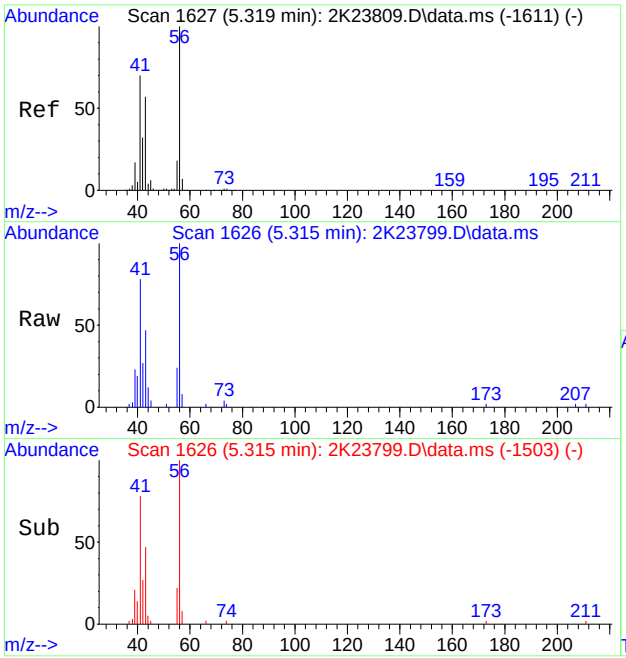


#57
1,2-dichloroethane
Concen: 0.99 ug/L
RT: 4.926 min Scan# 1505
Delta R.T. -0.000 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion: 62 Resp: 8616

Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	38.3
64	28.5	0.0	59.6

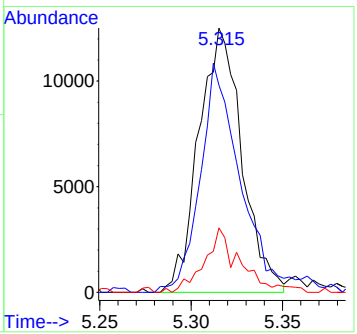


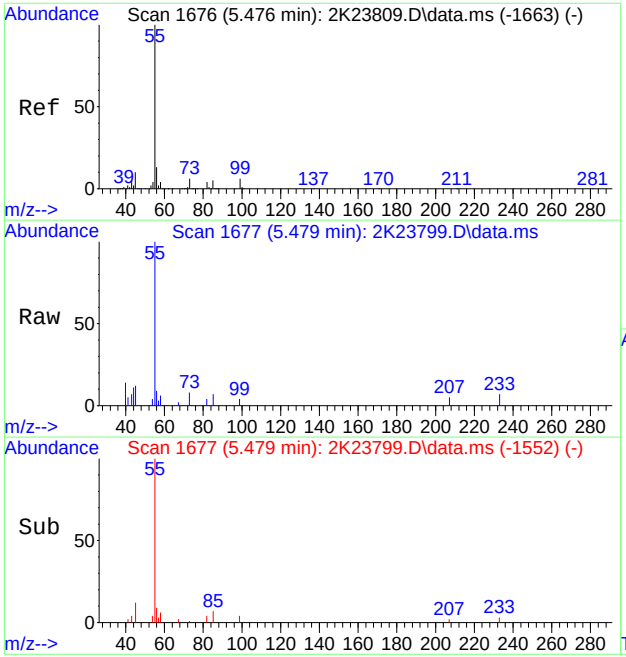


#58
n-butyl alcohol
Concen: 42.18 ug/L
RT: 5.315 min Scan# 1626
Delta R.T. -0.003 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion: 56 Resp: 20609

Ion	Ratio	Lower	Upper
56	100		
41	76.1	50.4	90.4
55	24.4	0.0	37.7

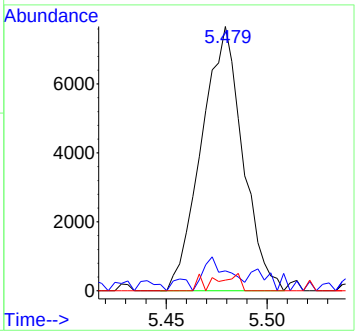


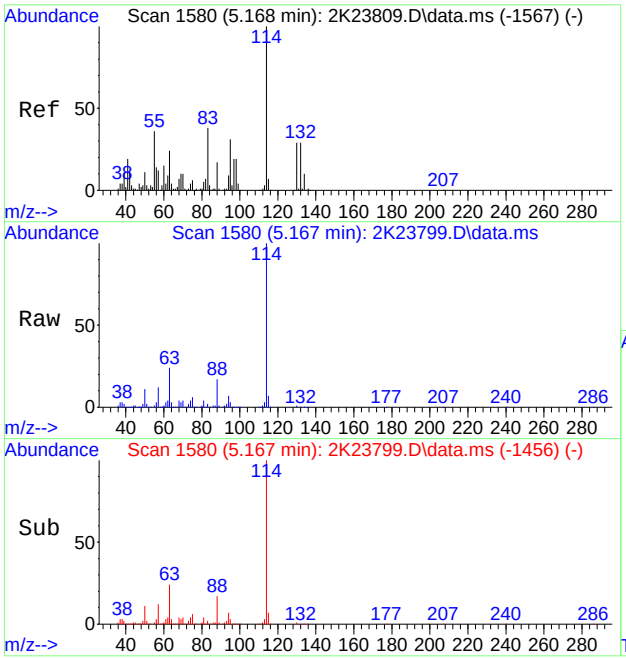


#59
ethyl acrylate
Concen: 0.93 ug/L
RT: 5.479 min Scan# 1677
Delta R.T. 0.003 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion: 55 Resp: 10854

Ion	Ratio	Lower	Upper
55	100		
73	5.0	0.0	36.2
99	4.1	0.0	36.0

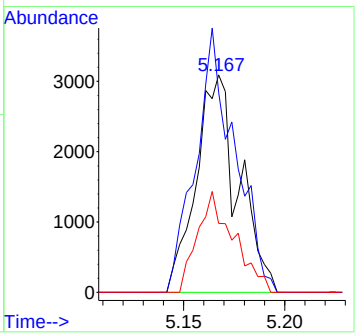


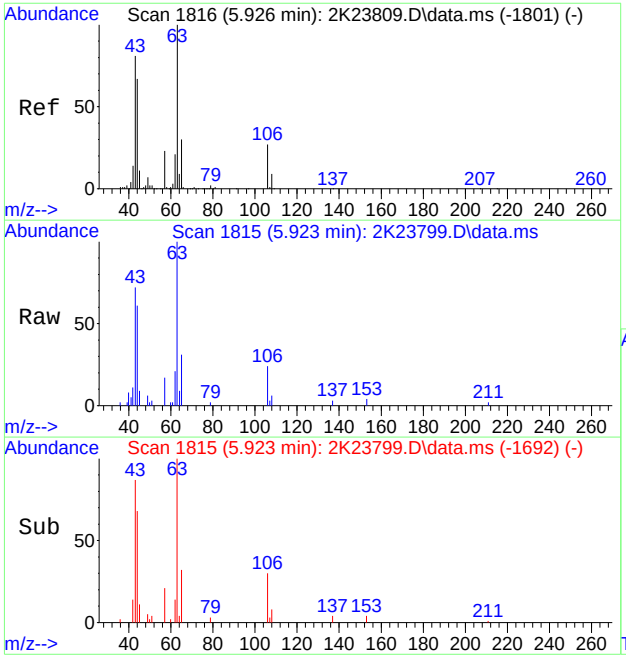


#60
trichloroethene
Concen: 0.87 ug/L
RT: 5.167 min Scan# 1580
Delta R.T. -0.000 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion:130 Resp: 4501

Ion	Ratio	Lower	Upper
130	100		
132	92.0	70.8	130.8
134	31.7	4.2	64.2

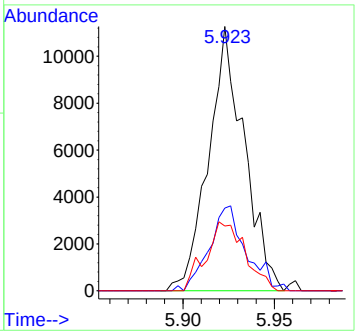


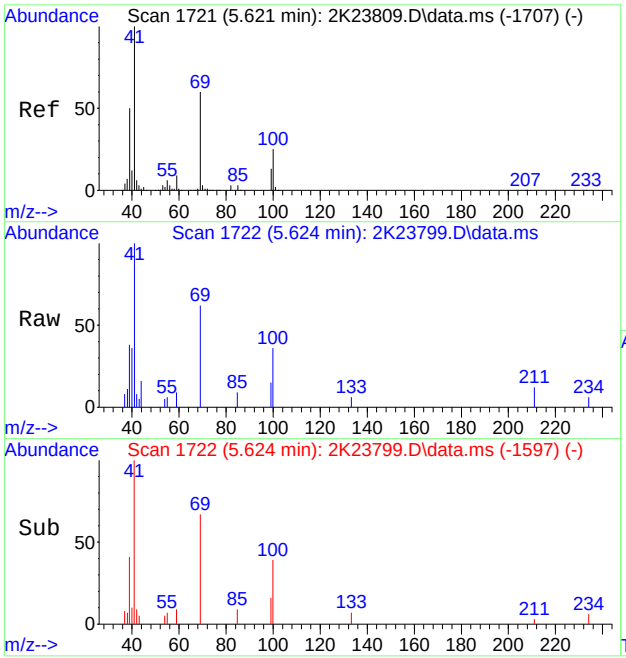


#62
2-chloroethyl vinyl ether
Concen: 3.63 ug/L
RT: 5.923 min Scan# 1815
Delta R.T. -0.003 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion: 63 Resp: 15378

Ion	Ratio	Lower	Upper
63	100		
65	31.2	0.3	60.3
106	24.5	0.0	57.1

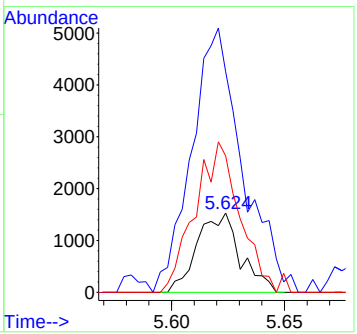


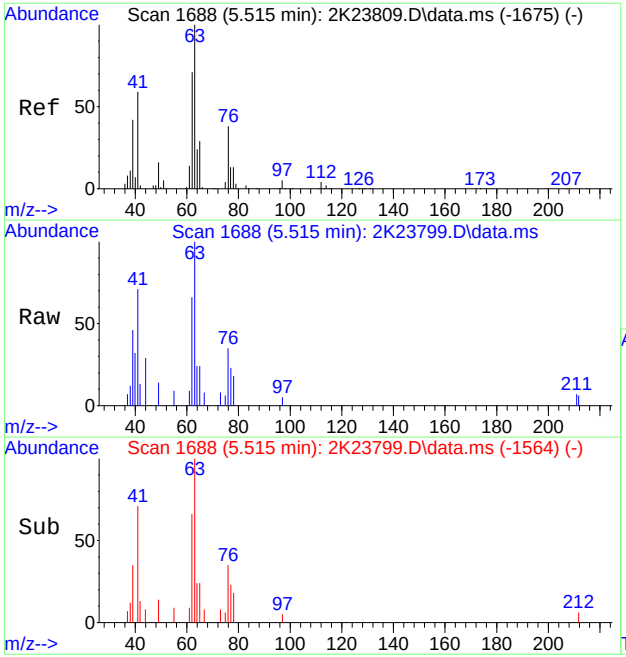


#63
methyl methacrylate
Concen: 1.00 ug/L
RT: 5.624 min Scan# 1722
Delta R.T. 0.003 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion:100 Resp: 2022

Ion	Ratio	Lower	Upper
100	100		
41	264.4	374.3	434.3#
69	171.9	214.3	274.3#

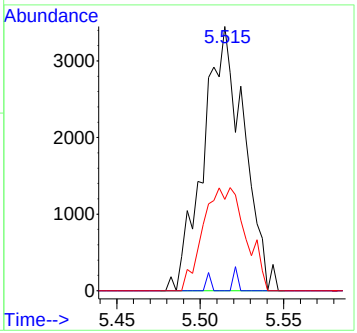


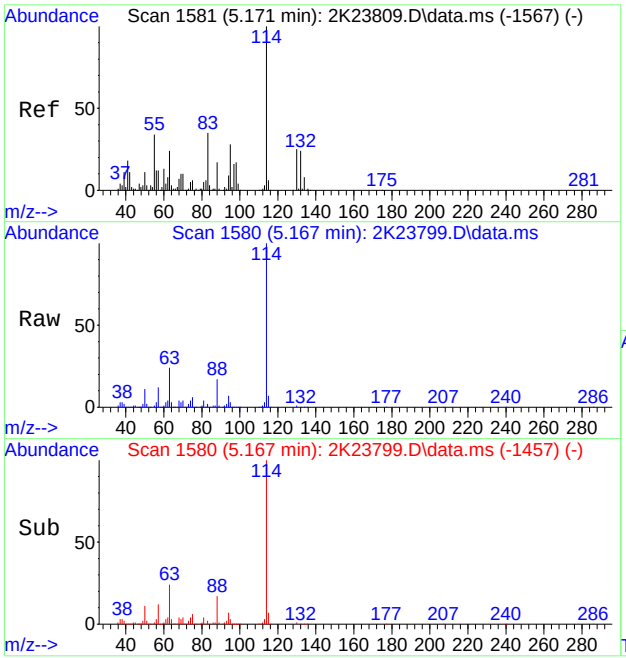


#64
1,2-dichloropropane
Concen: 0.97 ug/L
RT: 5.515 min Scan# 1688
Delta R.T. -0.000 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion: 63 Resp: 5802

Ion	Ratio	Lower	Upper
63	100		
112	0.0	0.0	33.7
76	34.6	7.9	67.9

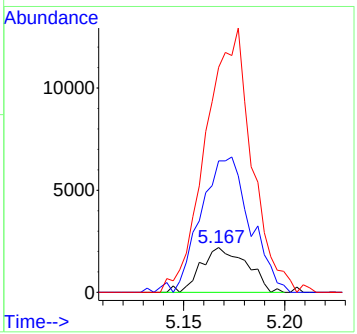


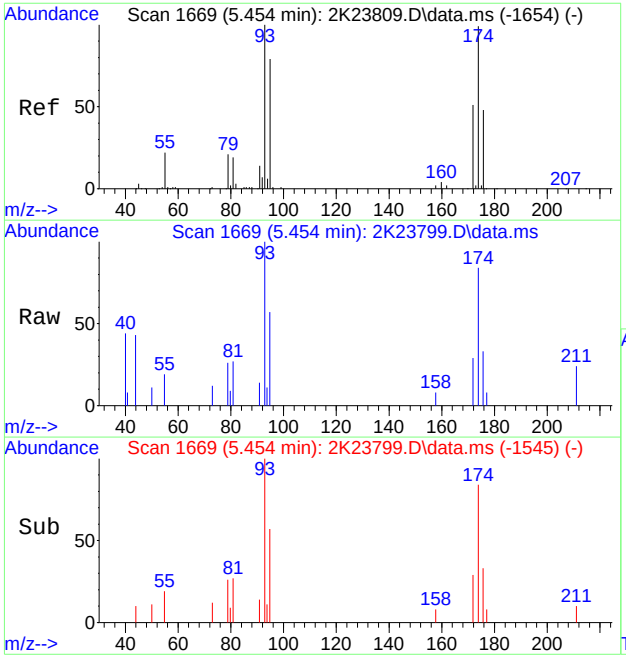


#65
methylcyclohexane
Concen: 0.92 ug/L
RT: 5.167 min Scan# 1580
Delta R.T. -0.003 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion: 98 Resp: 3469

Ion	Ratio	Lower	Upper
98	100		
55	281.5	173.8	233.8#
83	500.7	181.7	241.7#

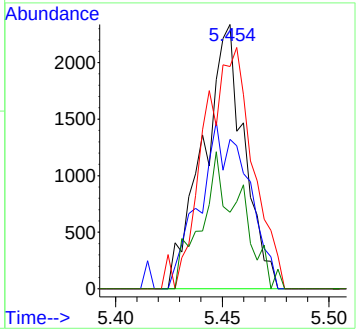


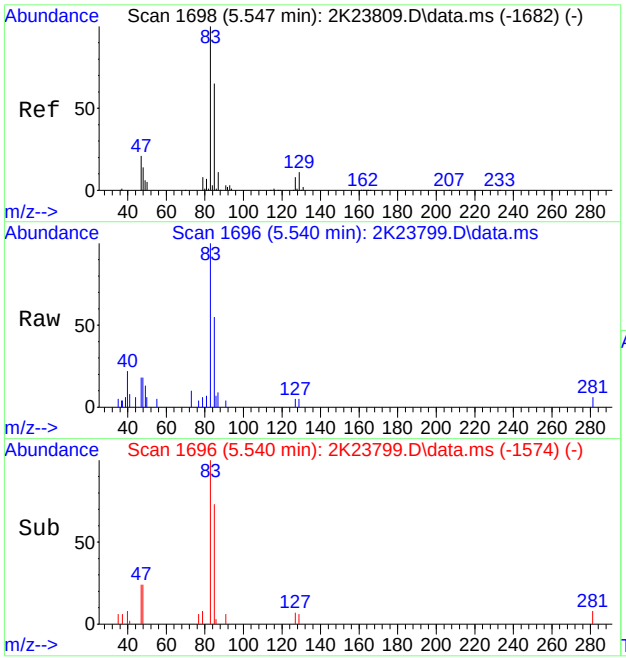


#66
dibromomethane
Concen: 0.95 ug/L
RT: 5.454 min Scan# 1669
Delta R.T. -0.000 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion: 93 Resp: 3128

Ion	Ratio	Lower	Upper
93	100		
95	56.5	49.5	109.5
174	84.0	68.7	128.7
172	29.0	30.9	70.9#

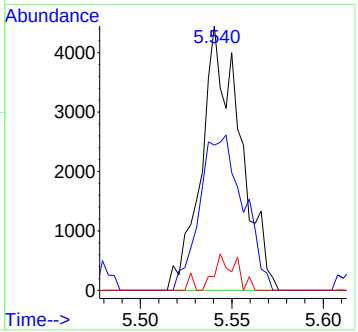


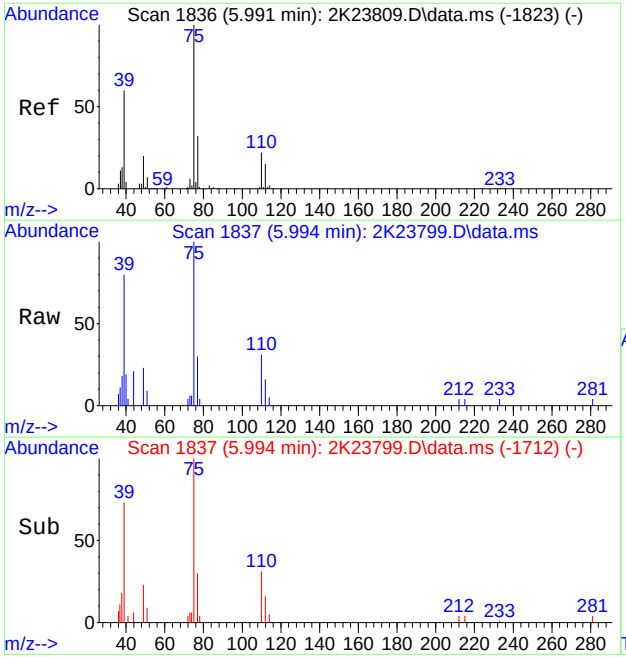


#67
bromodichloromethane
Concen: 0.92 ug/L
RT: 5.540 min Scan# 1696
Delta R.T. -0.007 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion: 83 Resp: 6579

Ion	Ratio	Lower	Upper
83	100		
85	54.9	36.5	96.5
127	5.1	0.0	37.8

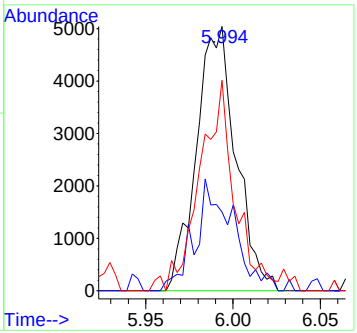


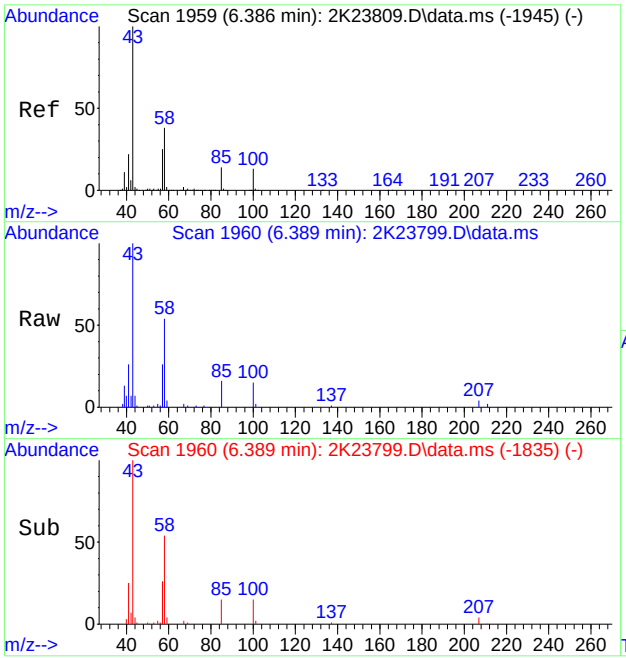


#69
cis-1,3-dichloropropene
Concen: 0.86 ug/L
RT: 5.994 min Scan# 1837
Delta R.T. 0.003 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion: 75 Resp: 7971

Ion	Ratio	Lower	Upper
75	100		
77	29.8	2.1	62.1
39	74.0	30.1	90.1

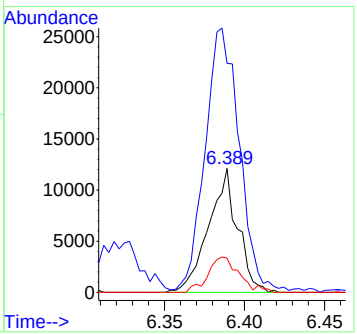


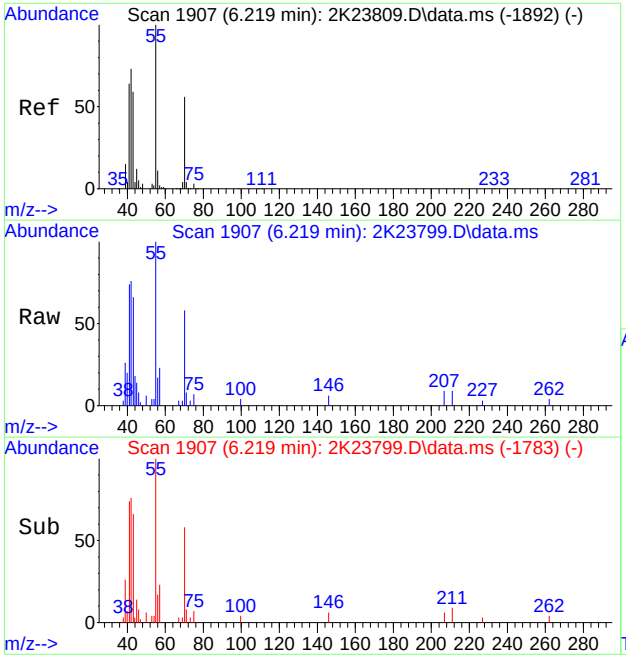


#70
4-methyl-2-pentanone
Concen: 4.04 ug/L
RT: 6.389 min Scan# 1960
Delta R.T. 0.003 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion: 58 Resp: 15277

Ion	Ratio	Lower	Upper
58	100		
43	180.6	244.4	304.4#
100	27.8	4.8	64.8

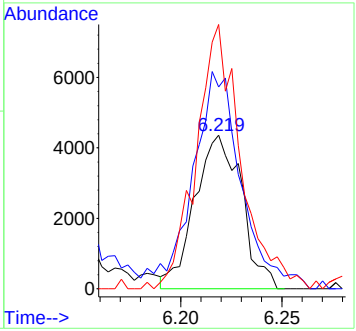


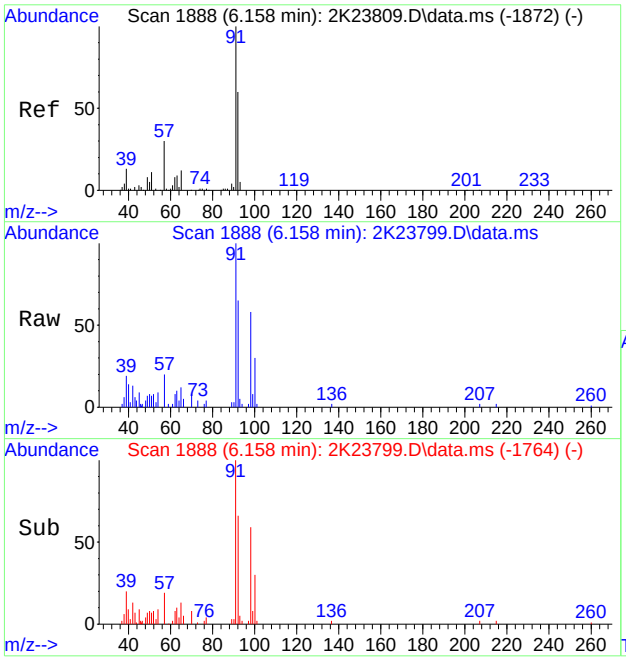


#71
3-methyl-1-butanol
Concen: 18.72 ug/L
RT: 6.219 min Scan# 1907
Delta R.T. -0.000 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion: 70 Resp: 7041

Ion	Ratio	Lower	Upper
70	100		
42	123.3	100.5	160.5
55	167.9	148.8	208.8

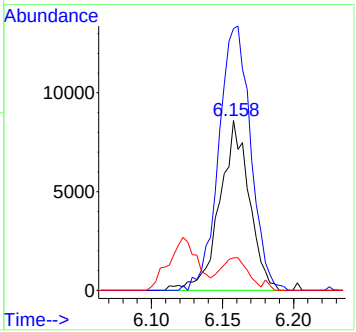


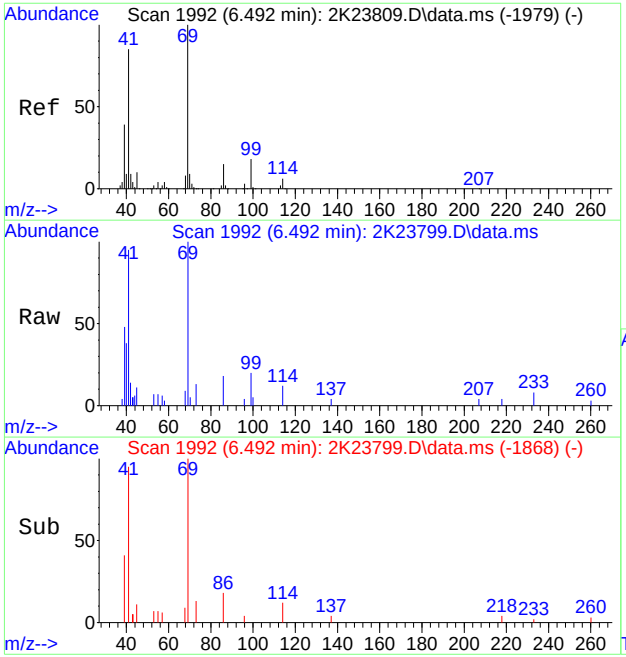


#74
toluene
Concen: 0.89 ug/L
RT: 6.158 min Scan# 1888
Delta R.T. -0.000 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion: 92 Resp: 12426

Ion	Ratio	Lower	Upper
92	100		
91	154.2	145.9	185.9
65	19.2	0.5	40.5

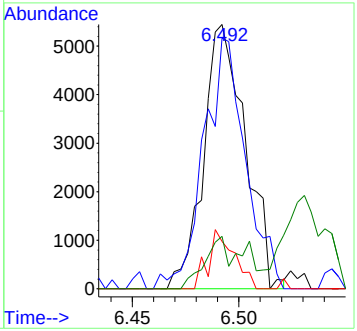


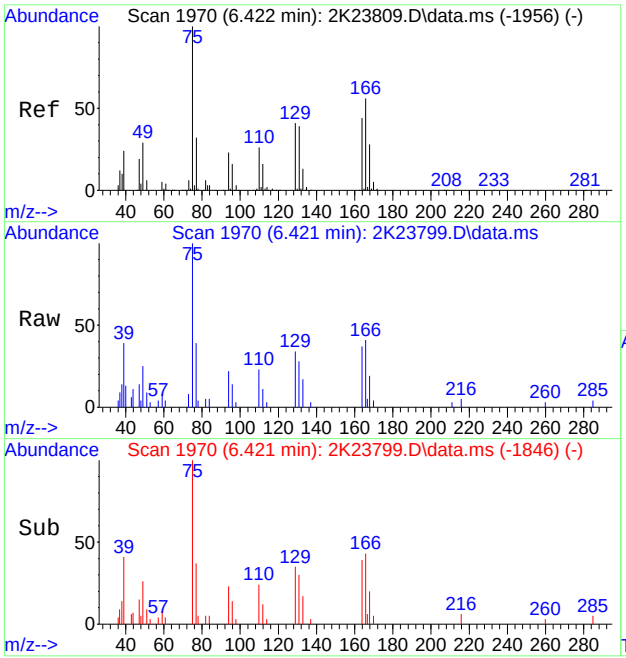


#75
ethyl methacrylate
Concen: 0.85 ug/L
RT: 6.492 min Scan# 1992
Delta R.T. -0.000 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion: 69 Resp: 7447

Ion	Ratio	Lower	Upper
69	100		
41	94.7	65.3	105.3
86	18.0	0.0	34.6
99	19.8	0.0	38.4

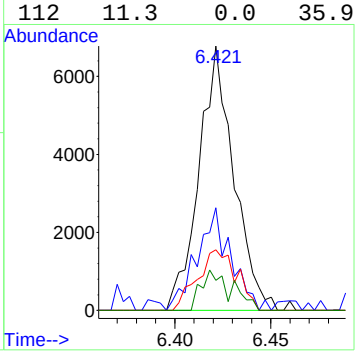


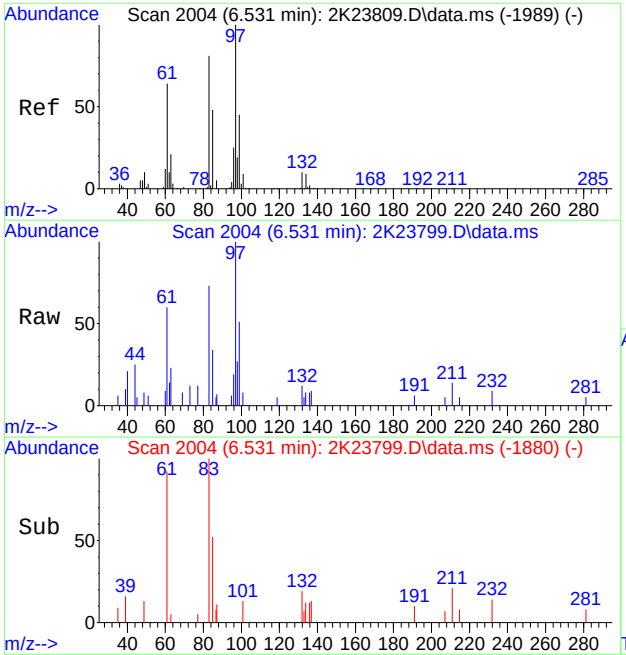


#76
trans-1,3-dichloropropene
Concen: 0.95 ug/L
RT: 6.421 min Scan# 1970
Delta R.T. -0.000 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion: 75 Resp: 8594

Ion	Ratio	Lower	Upper
75	100		
77	36.0	12.2	52.2
110	22.9	5.7	45.7
112	11.3	0.0	35.9

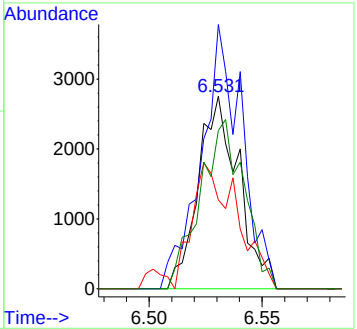


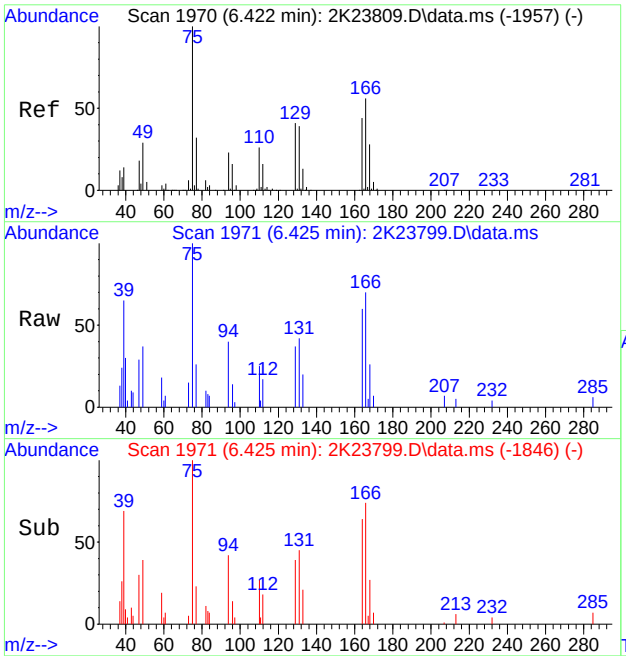


#77
1,1,2-trichloroethane
Concen: 0.80 ug/L
RT: 6.531 min Scan# 2004
Delta R.T. -0.000 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion: 83 Resp: 3442

Ion	Ratio	Lower	Upper
83	100		
97	137.2	103.4	143.4
85	46.2	40.7	80.7
61	82.2	58.7	98.7

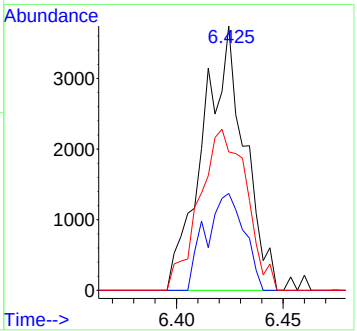


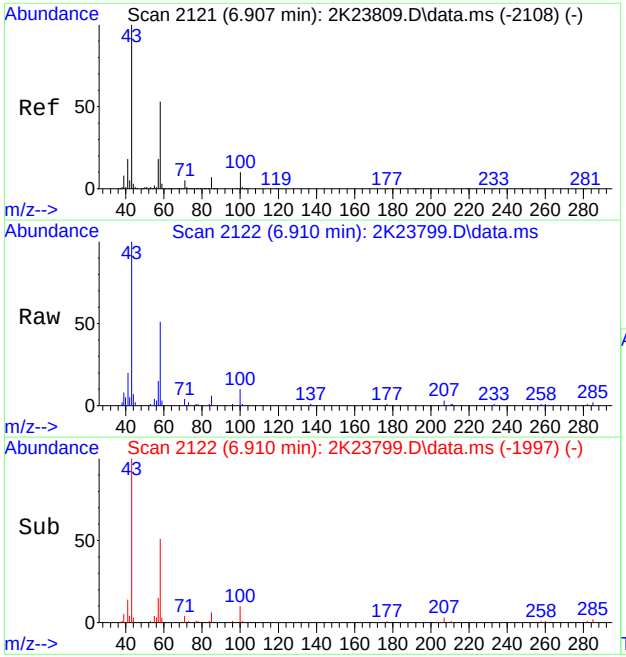


#78
tetrachloroethene
Concen: 1.02 ug/L
RT: 6.425 min Scan# 1971
Delta R.T. 0.003 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion:166 Resp: 5102

Ion	Ratio	Lower	Upper
166	100		
168	36.7	19.1	79.1
129	52.3	42.7	102.7

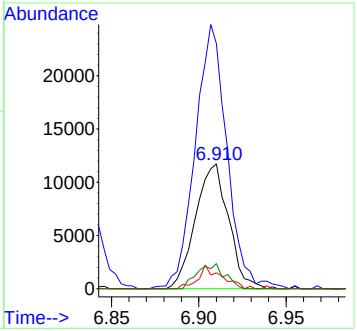


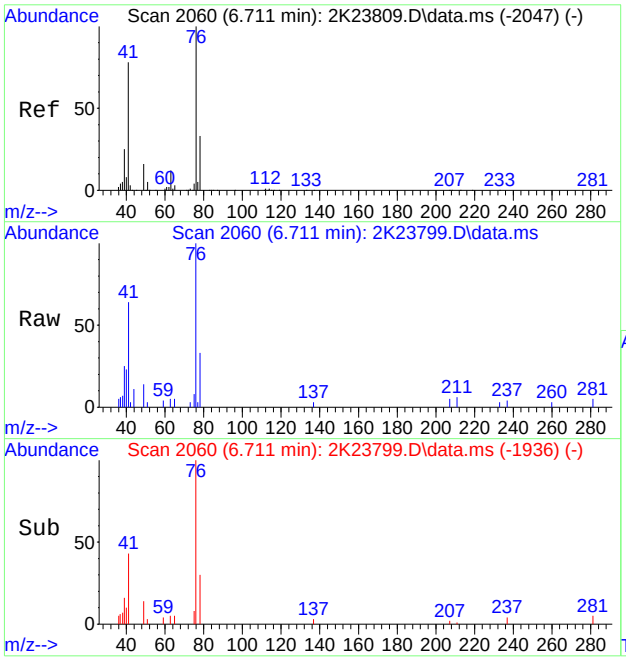


#79
2-hexanone
Concen: 3.65 ug/L
RT: 6.910 min Scan# 2122
Delta R.T. 0.003 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion: 58 Resp: 15510

Ion	Ratio	Lower	Upper
58	100		
43	194.1	168.9	208.9
85	12.7	0.0	33.1
100	20.2	0.0	39.1

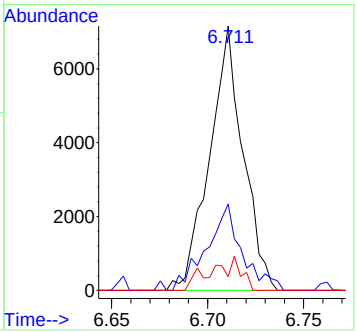


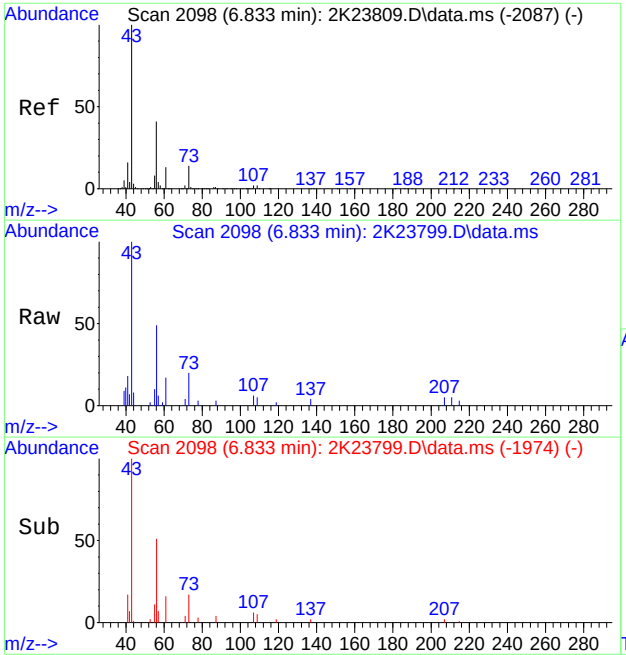


#80
1,3-dichloropropane
Concen: 0.98 ug/L
RT: 6.711 min Scan# 2060
Delta R.T. -0.000 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion: 76 Resp: 8715

Ion	Ratio	Lower	Upper
76	100		
78	32.6	2.9	62.9
63	5.3	0.0	42.3

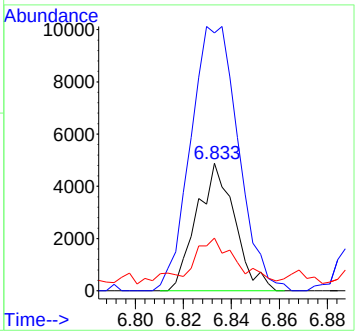


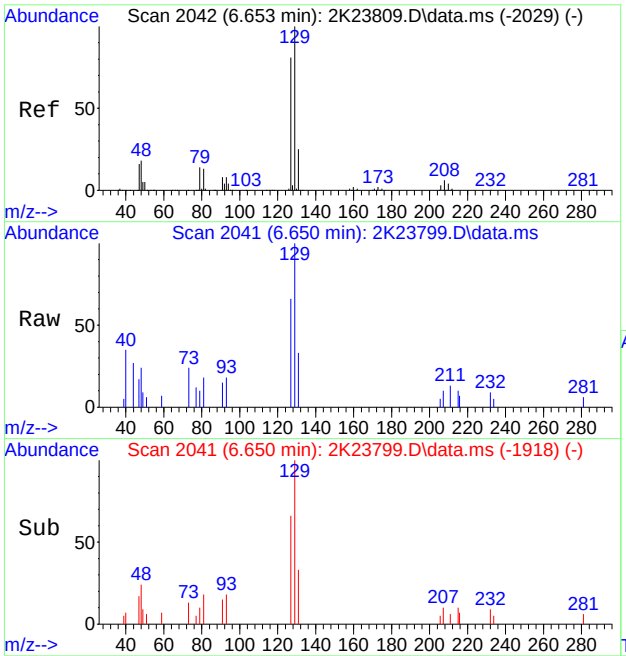


#81
butyl acetate
Concen: 0.90 ug/L
RT: 6.833 min Scan# 2098
Delta R.T. -0.000 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion: 56 Resp: 5375

Ion	Ratio	Lower	Upper
56	100		
43	197.4	213.5	273.5#
73	32.1	4.2	64.2

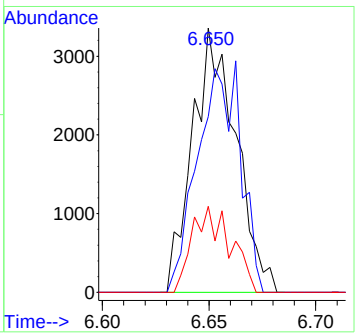


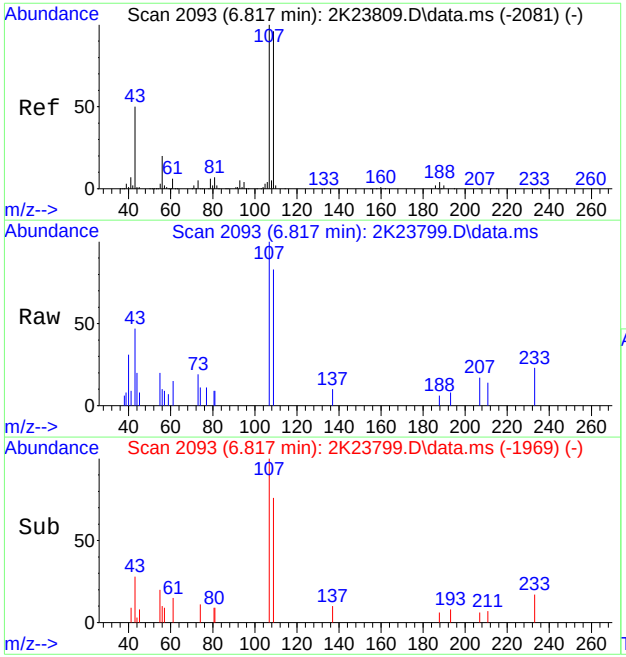


#82
dibromochloromethane
Concen: 0.93 ug/L
RT: 6.650 min Scan# 2041
Delta R.T. -0.003 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion:129 Resp: 4745

Ion	Ratio	Lower	Upper
129	100		
127	66.4	50.8	110.8
131	32.6	0.0	55.3

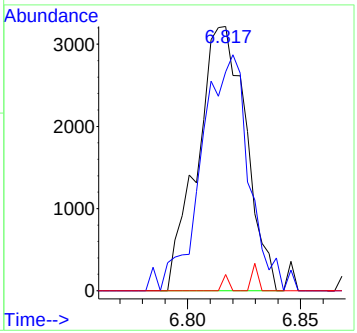


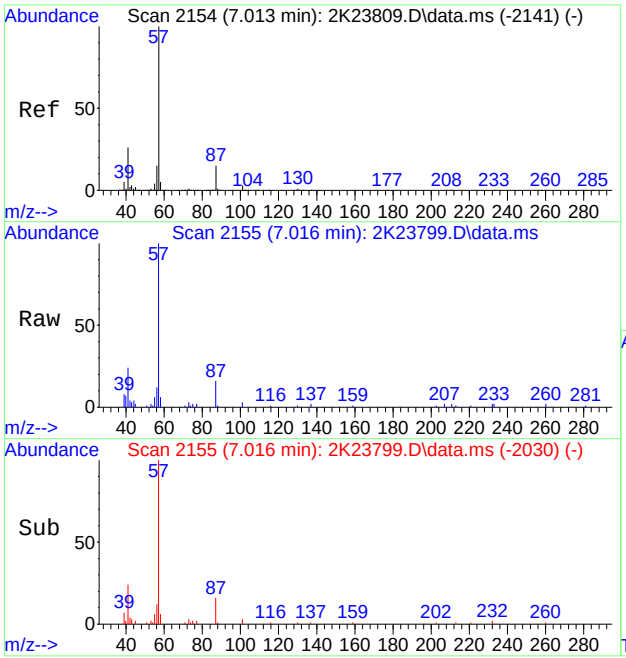


#83
1,2-dibromoethane
Concen: 1.03 ug/L
RT: 6.817 min Scan# 2093
Delta R.T. -0.000 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion:107 Resp: 4814

Ion	Ratio	Lower	Upper
107	100		
109	82.8	65.7	125.7
188	6.2	0.0	33.6

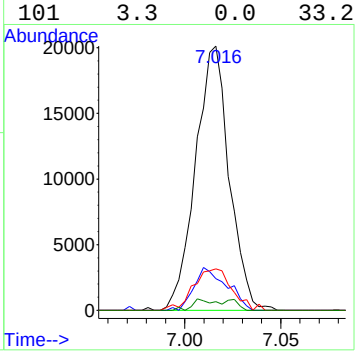


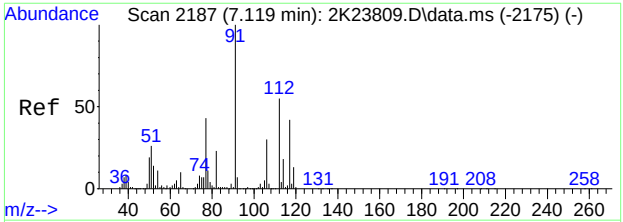


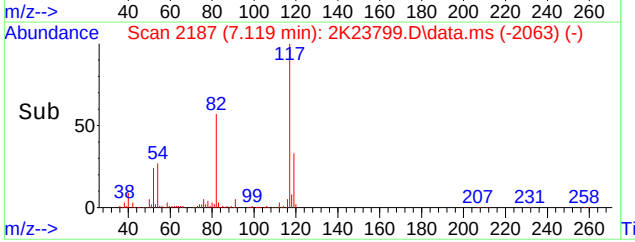
#84
n-butyl ether
Concen: 0.86 ug/L
RT: 7.016 min Scan# 2155
Delta R.T. 0.003 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion: 57 Resp: 24616

Ion	Ratio	Lower	Upper
57	100		
56	12.0	0.0	45.2
87	15.7	0.0	45.0
101	3.3	0.0	33.2



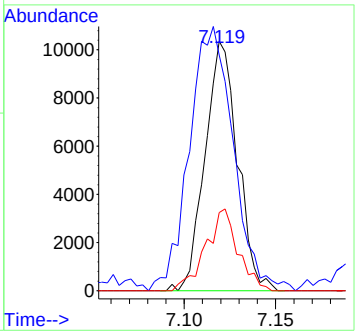


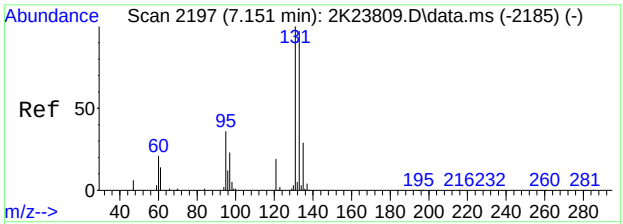


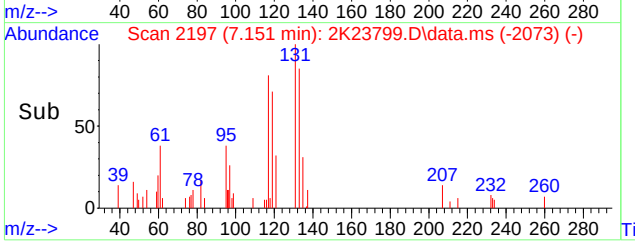
#85
chlorobenzene
Concen: 0.91 ug/L
RT: 7.119 min Scan# 2187
Delta R.T. -0.000 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion:112 Resp: 12866

Ion	Ratio	Lower	Upper
112	100		
77	89.2	49.5	109.5
114	31.3	2.1	62.1



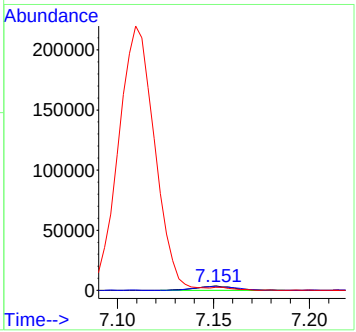


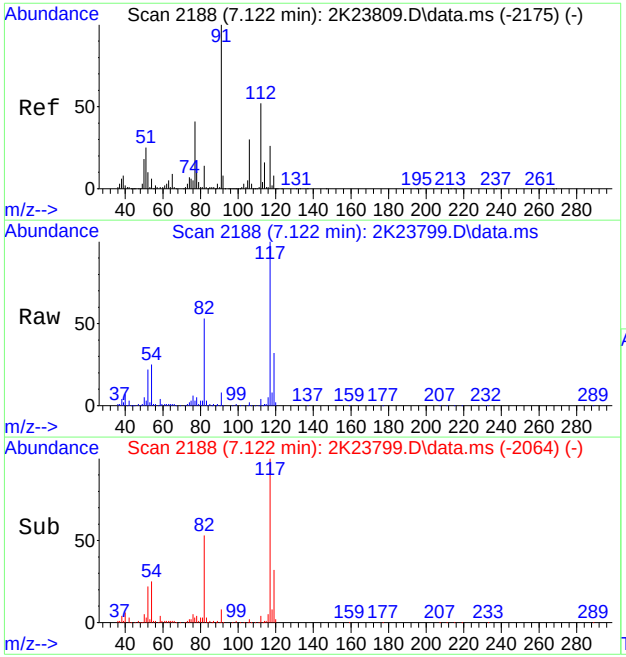


#86
1,1,1,2-tetrachloroethane
Concen: 1.07 ug/L
RT: 7.151 min Scan# 2197
Delta R.T. -0.000 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion:131 Resp: 4946

Ion	Ratio	Lower	Upper
131	100		
133	85.3	66.7	126.7
119	71.0	31.1	91.1

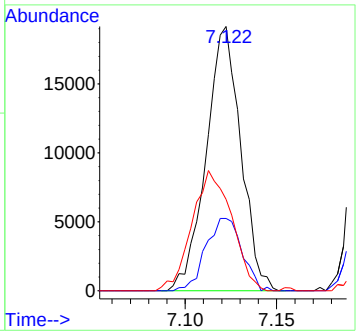


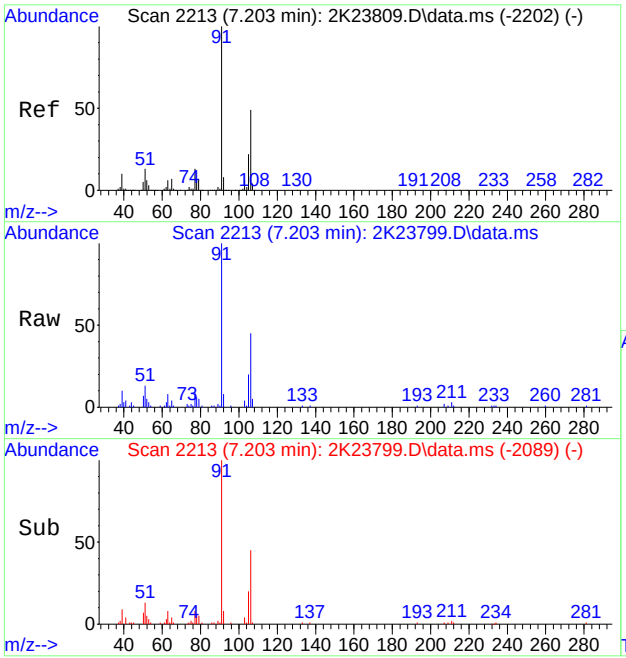


#87
ethylbenzene
Concen: 0.94 ug/L
RT: 7.122 min Scan# 2188
Delta R.T. -0.000 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion: 91 Resp: 25416

Ion	Ratio	Lower	Upper
91	100		
106	27.4	0.3	60.3
51	33.3	0.0	55.4

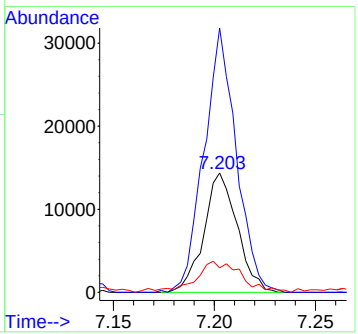


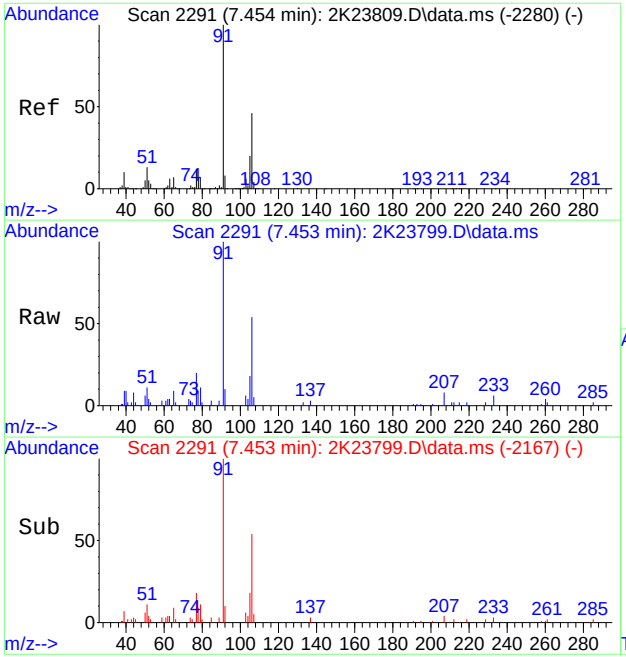


#88
m,p-xylene
Concen: 1.77 ug/L
RT: 7.203 min Scan# 2213
Delta R.T. -0.000 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion:106 Resp: 16524

Ion	Ratio	Lower	Upper
106	100		
91	221.3	173.5	233.5
77	18.5	7.0	47.0

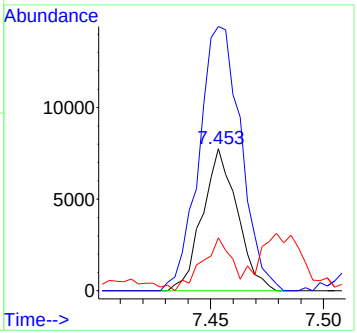


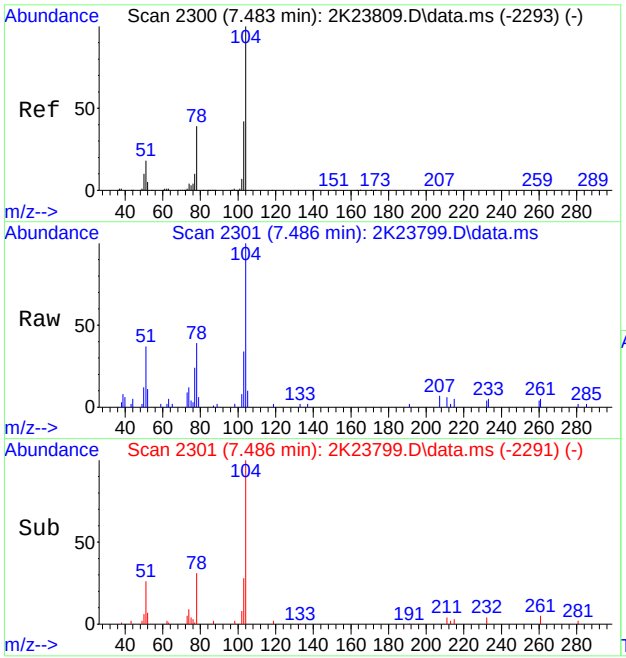


#89
o-xylene
Concen: 0.90 ug/L
RT: 7.453 min Scan# 2291
Delta R.T. -0.000 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion:106 Resp: 8298

Ion	Ratio	Lower	Upper
106	100		
91	186.0	186.3	246.3#
77	34.7	6.7	46.7

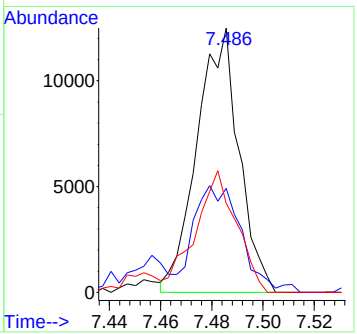


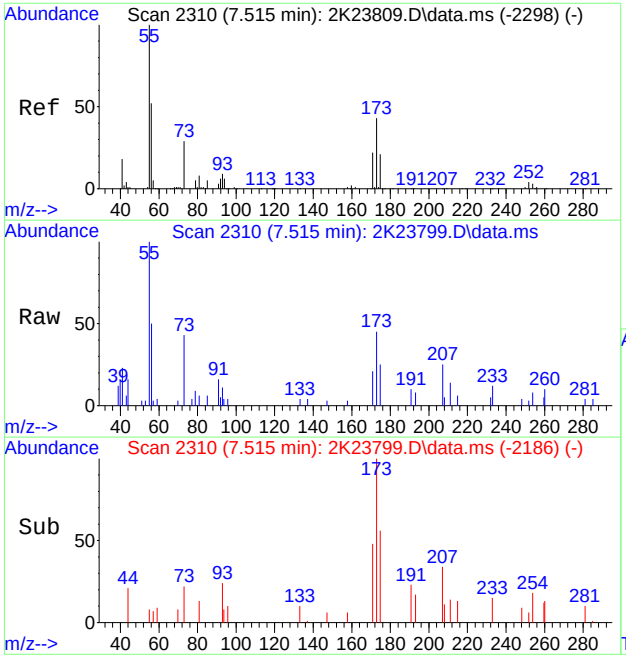


#90
styrene
Concen: 0.91 ug/L
RT: 7.486 min Scan# 2301
Delta R.T. 0.003 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion:104 Resp: 14241

Ion	Ratio	Lower	Upper
104	100		
78	36.5	14.3	74.3
103	33.7	17.0	77.0

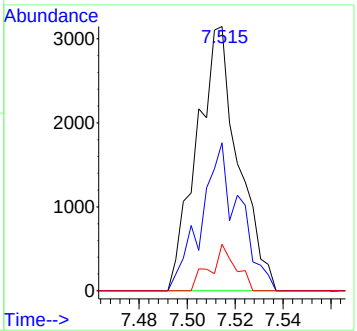


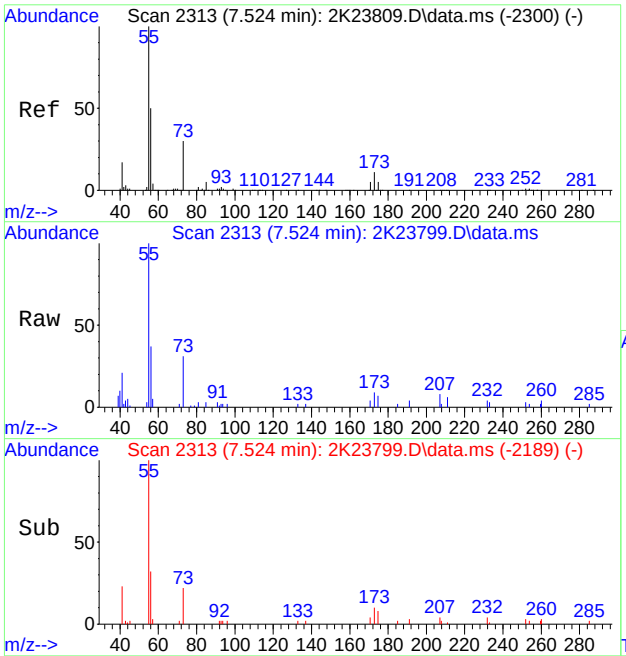


#91
bromoform
Concen: 0.86 ug/L
RT: 7.515 min Scan# 2310
Delta R.T. -0.000 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion:173 Resp: 3781

Ion	Ratio	Lower	Upper
173	100		
175	56.0	18.6	78.6
254	17.7	0.0	37.9

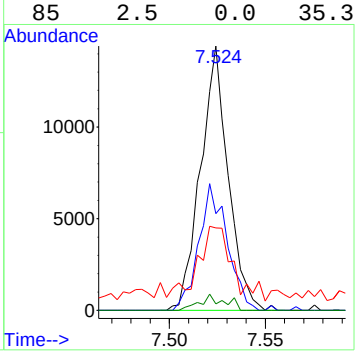


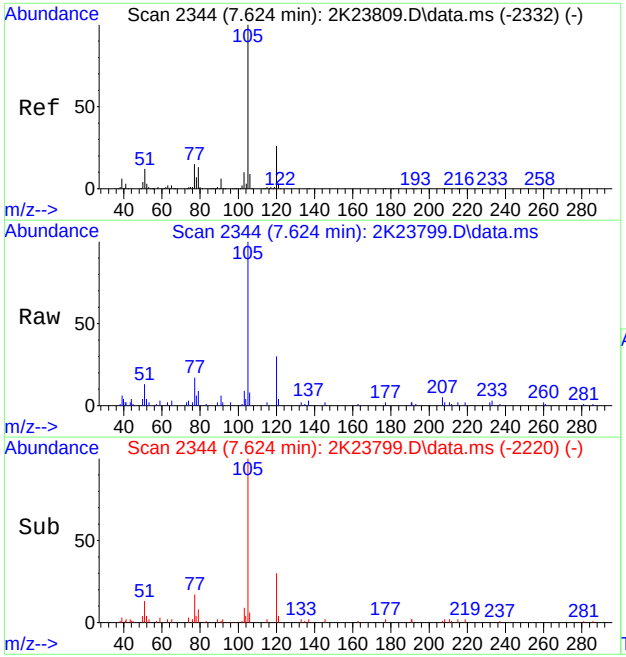


#92
butyl acrylate
Concen: 0.90 ug/L
RT: 7.524 min Scan# 2313
Delta R.T. -0.000 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion: 55 Resp: 14484

Ion	Ratio	Lower	Upper
55	100		
56	36.6	20.5	80.5
73	25.1	0.7	60.7
85	2.5	0.0	35.3

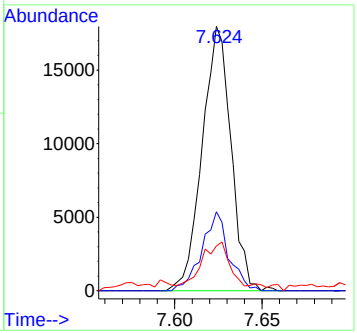


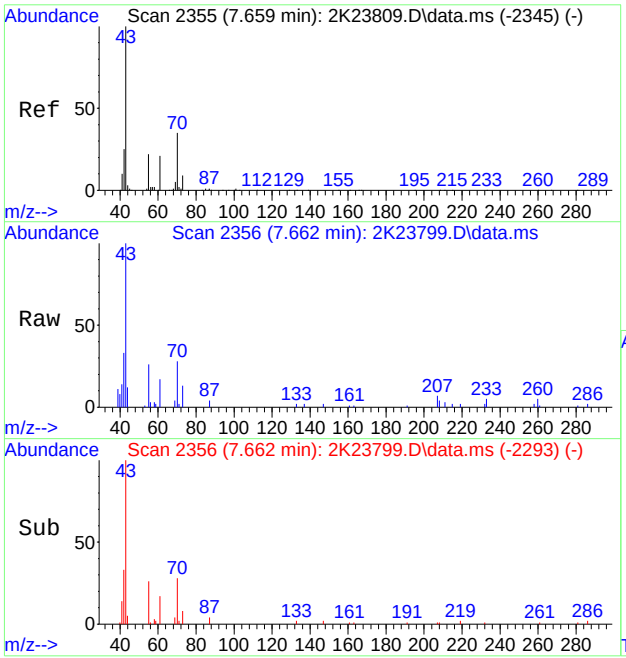


#93
isopropylbenzene
Concen: 0.93 ug/L
RT: 7.624 min Scan# 2344
Delta R.T. -0.000 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion:105 Resp: 20677

Ion	Ratio	Lower	Upper
105	100		
120	29.9	6.4	46.4
77	16.9	0.0	35.1

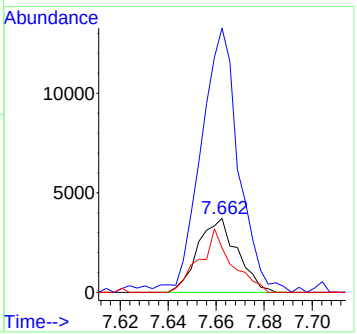


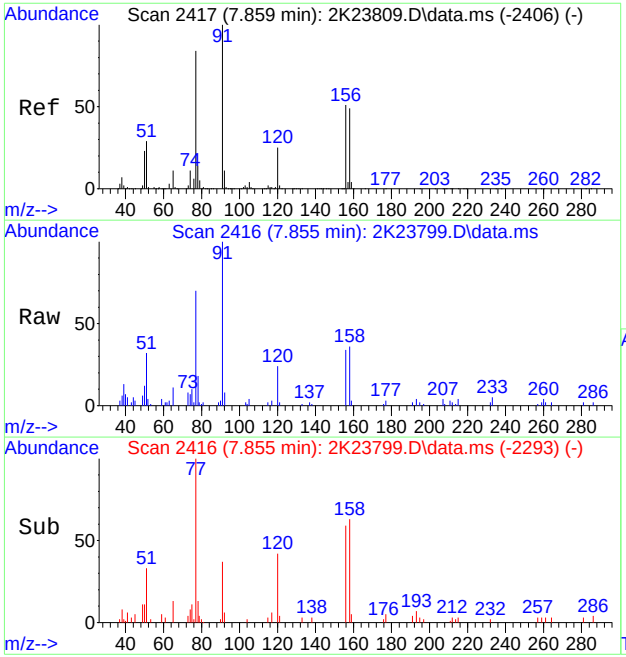


#94
n-amyl acetate
Concen: 0.79 ug/L
RT: 7.662 min Scan# 2356
Delta R.T. 0.003 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion: 70 Resp: 4238

Ion	Ratio	Lower	Upper
70	100		
43	349.5	265.5	305.5#
61	60.2	41.9	81.9

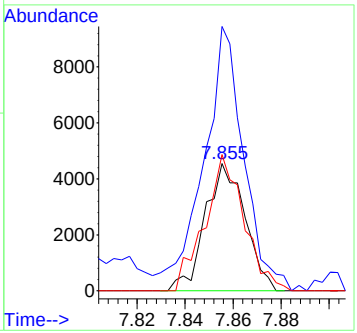


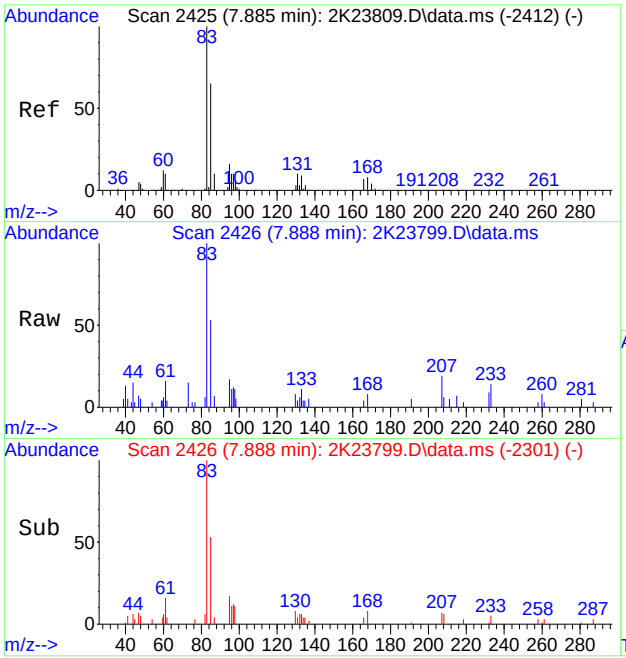


#98
bromobenzene
Concen: 0.90 ug/L
RT: 7.855 min Scan# 2416
Delta R.T. -0.003 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion:156 Resp: 5248

Ion	Ratio	Lower	Upper
156	100		
77	195.8	144.3	204.3
158	107.0	66.5	126.5

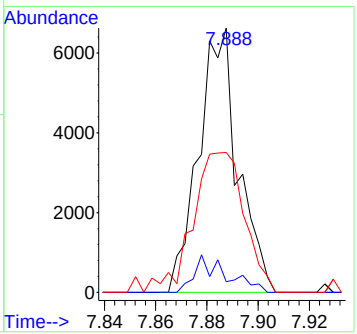


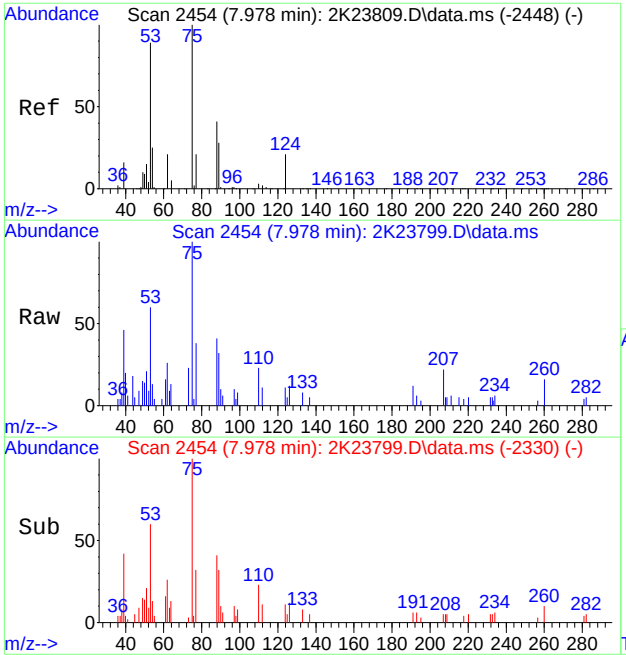


#99
1,1,2,2-tetrachloroethane
Concen: 0.90 ug/L
RT: 7.888 min Scan# 2426
Delta R.T. 0.003 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion: 83 Resp: 7072

Ion	Ratio	Lower	Upper
83	100		
131	4.1	0.0	40.0
85	52.9	35.3	95.3

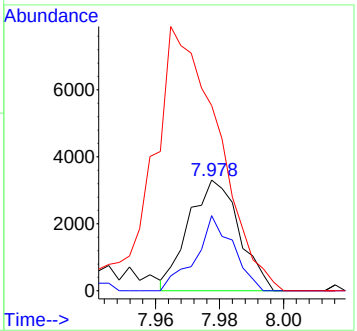


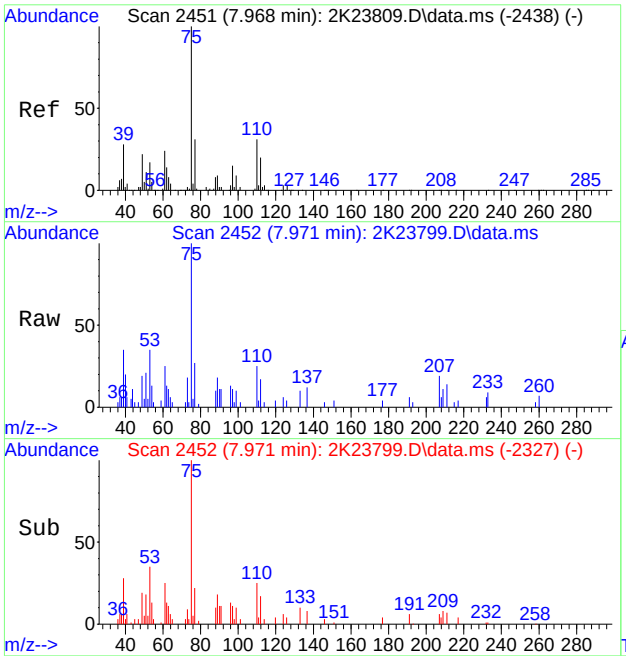


#100
trans-1,4-dichloro-2-butene
Concen: 1.02 ug/L
RT: 7.978 min Scan# 2454
Delta R.T. -0.000 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion: 53 Resp: 3623

Ion	Ratio	Lower	Upper
53	100		
88	67.8	15.2	75.2
75	167.2	166.9	226.9

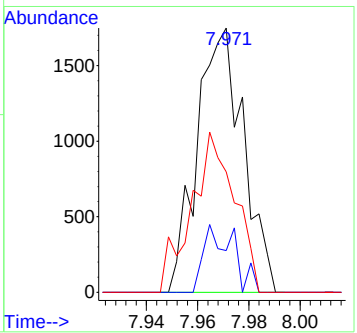


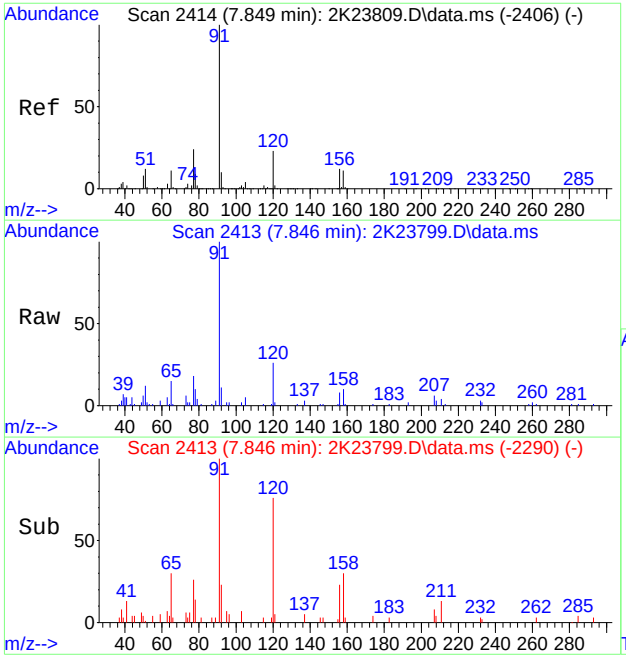


#101
1,2,3-trichloropropane
Concen: 0.82 ug/L
RT: 7.971 min Scan# 2452
Delta R.T. 0.003 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion:110 Resp: 2192

Ion	Ratio	Lower	Upper
110	100		
111	15.8	0.0	39.3
97	45.5	17.7	77.7

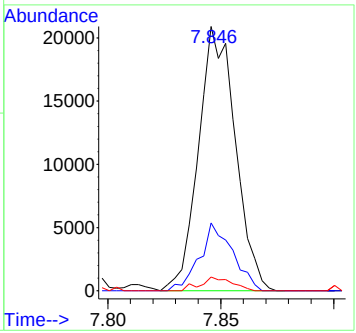


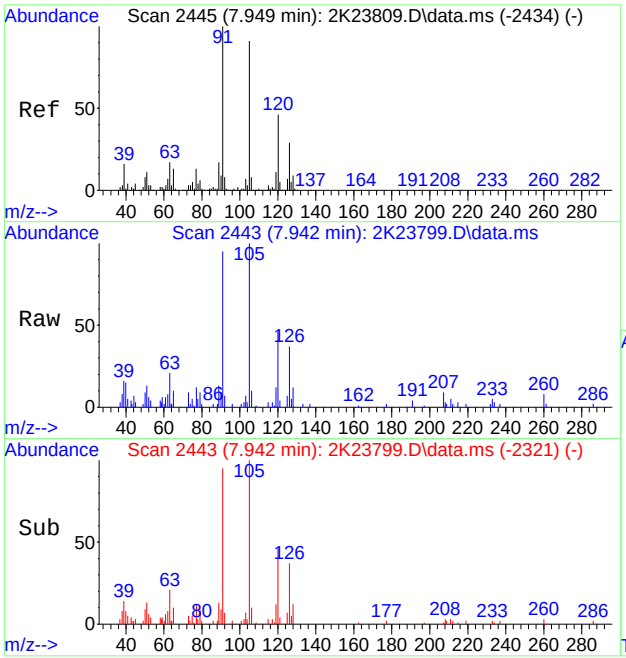


#102
n-propylbenzene
Concen: 0.88 ug/L
RT: 7.846 min Scan# 2413
Delta R.T. -0.003 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion: 91 Resp: 23611

Ion	Ratio	Lower	Upper
91	100		
120	25.7	0.0	52.7
105	5.2	0.0	34.0

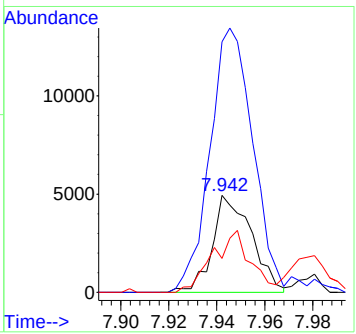


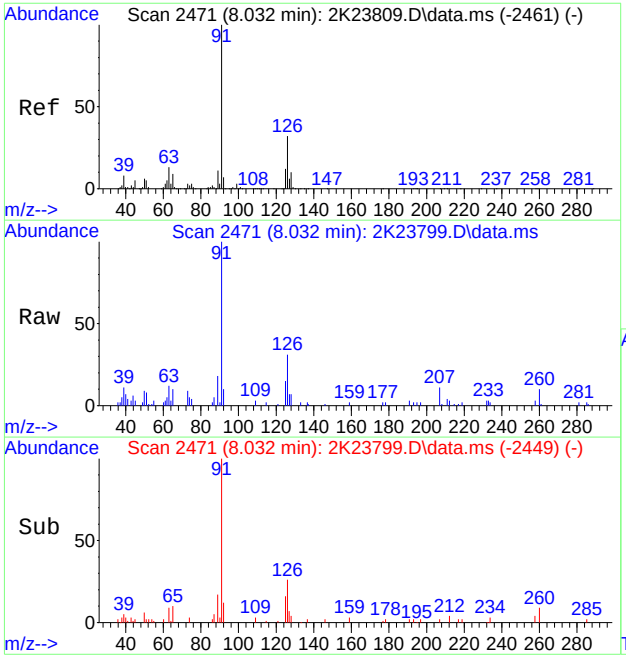


#103
2-chlorotoluene
Concen: 1.05 ug/L
RT: 7.942 min Scan# 2443
Delta R.T. -0.007 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion:126 Resp: 5605

Ion	Ratio	Lower	Upper
126	100		
91	258.2	309.9	369.9#
89	35.0	27.7	87.7

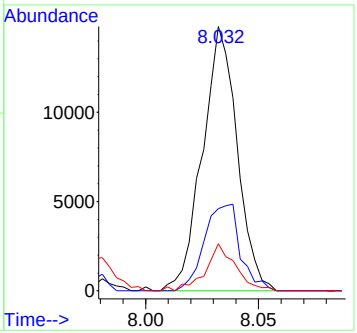


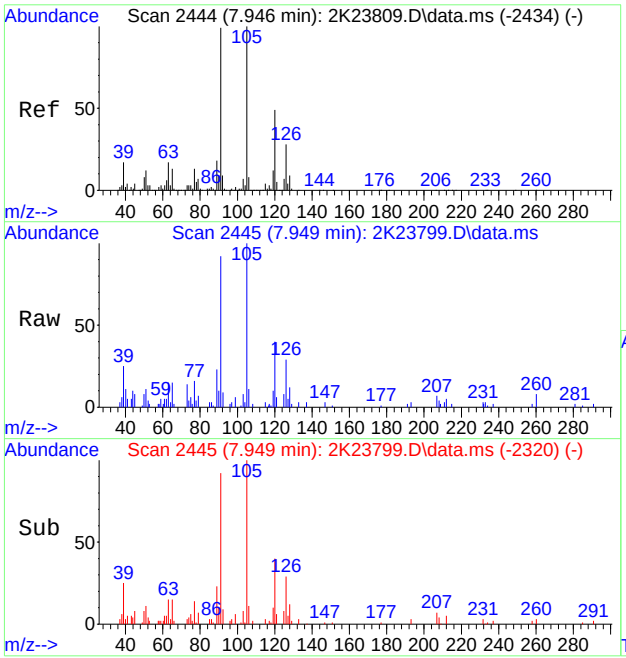


#104
4-chlorotoluene
Concen: 0.88 ug/L
RT: 8.032 min Scan# 2471
Delta R.T. -0.000 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion: 91 Resp: 15799

Ion	Ratio	Lower	Upper
91	100		
126	31.1	1.8	61.8
89	17.8	0.0	41.0

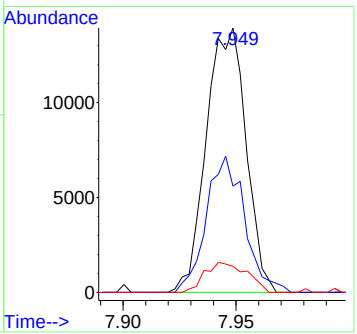


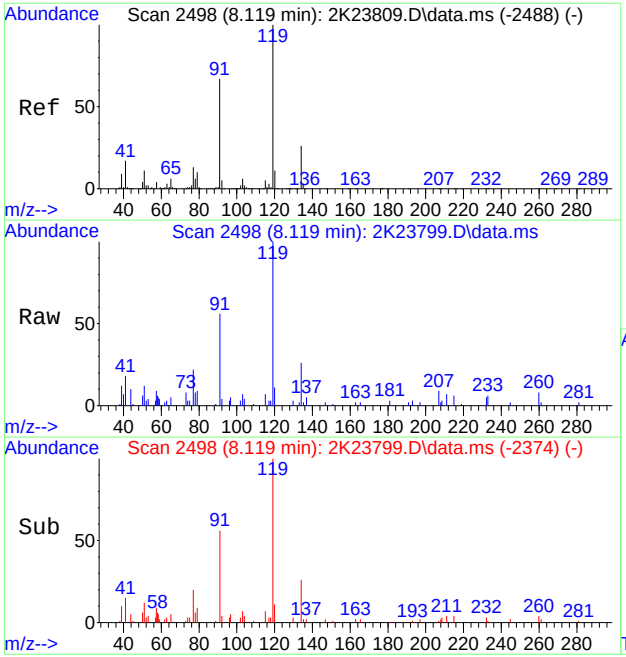


#105
1,3,5-trimethylbenzene
Concen: 0.93 ug/L
RT: 7.949 min Scan# 2445
Delta R.T. 0.003 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion:105 Resp: 16997

Ion	Ratio	Lower	Upper
105	100		
120	40.2	19.0	79.0
119	9.9	0.0	42.0

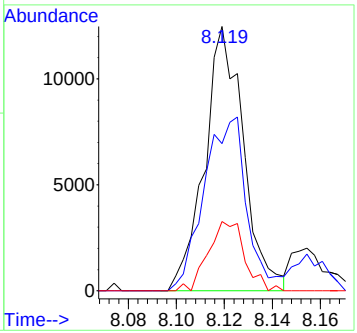


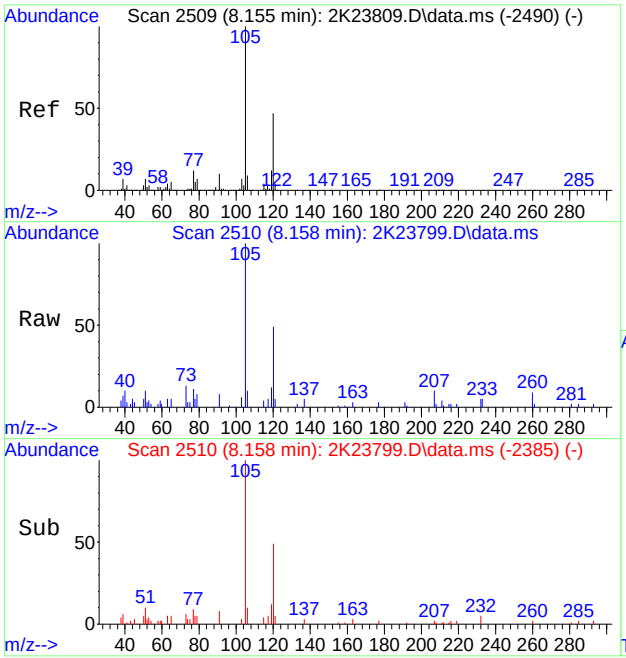


#106
tert-butylbenzene
Concen: 0.87 ug/L
RT: 8.119 min Scan# 2498
Delta R.T. -0.000 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion:119 Resp: 14014

Ion	Ratio	Lower	Upper
119	100		
91	55.7	37.4	97.4
134	26.2	0.0	55.8

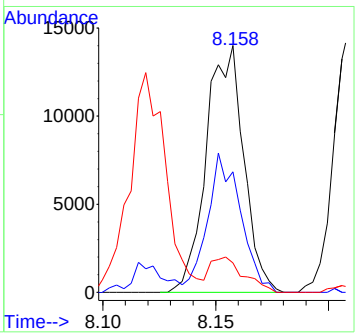


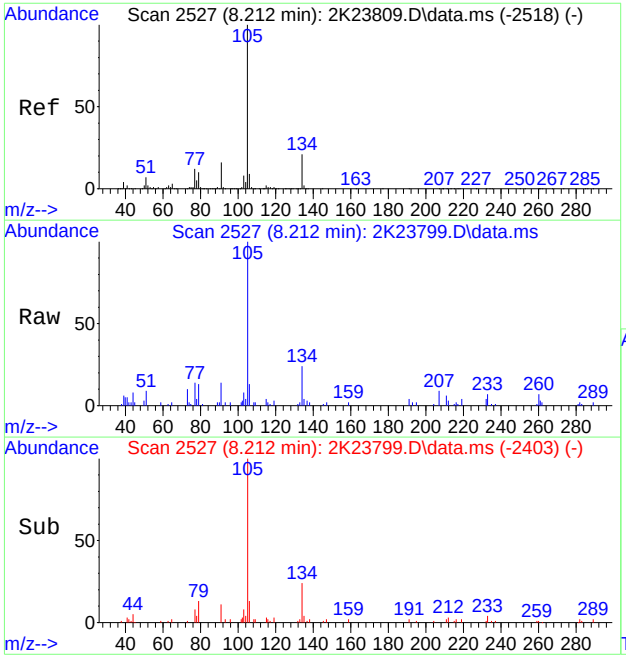


#107
1,2,4-trimethylbenzene
Concen: 0.88 ug/L
RT: 8.158 min Scan# 2510
Delta R.T. 0.003 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion:105 Resp: 16099

Ion	Ratio	Lower	Upper
105	100		
120	48.8	16.8	76.8
119	12.0	0.0	42.0

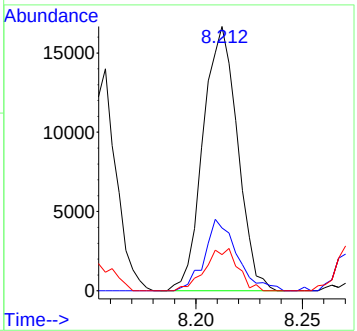


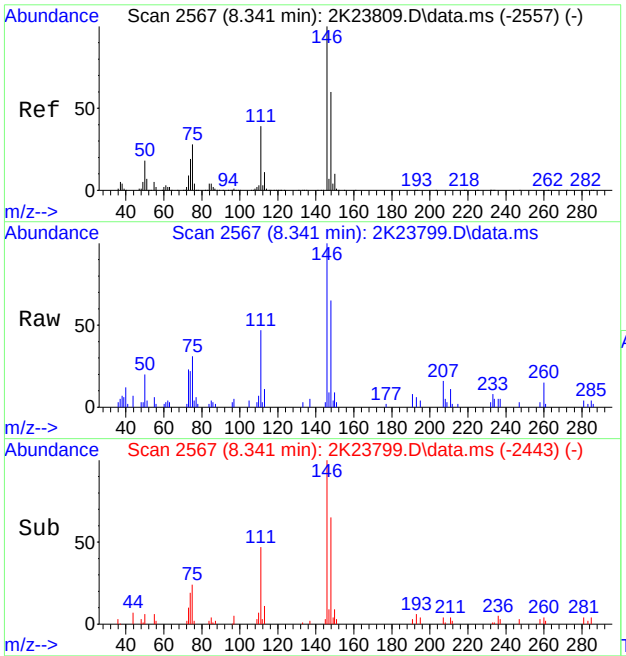


#108
sec-butylbenzene
Concen: 0.94 ug/L
RT: 8.212 min Scan# 2527
Delta R.T. -0.000 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion:105 Resp: 18742

Ion	Ratio	Lower	Upper
105	100		
134	23.8	0.0	51.4
91	13.7	0.0	45.7

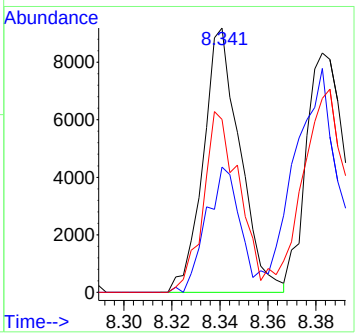


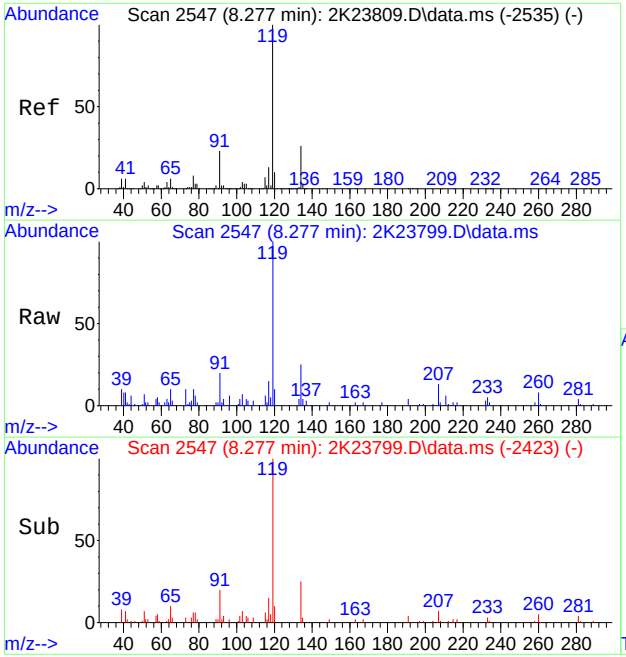


#109
1,3-dichlorobenzene
Concen: 0.91 ug/L
RT: 8.341 min Scan# 2567
Delta R.T. -0.000 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion:146 Resp: 9808

Ion	Ratio	Lower	Upper
146	100		
111	47.4	8.6	68.6
148	65.4	29.8	89.8

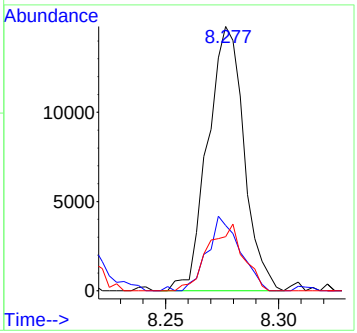


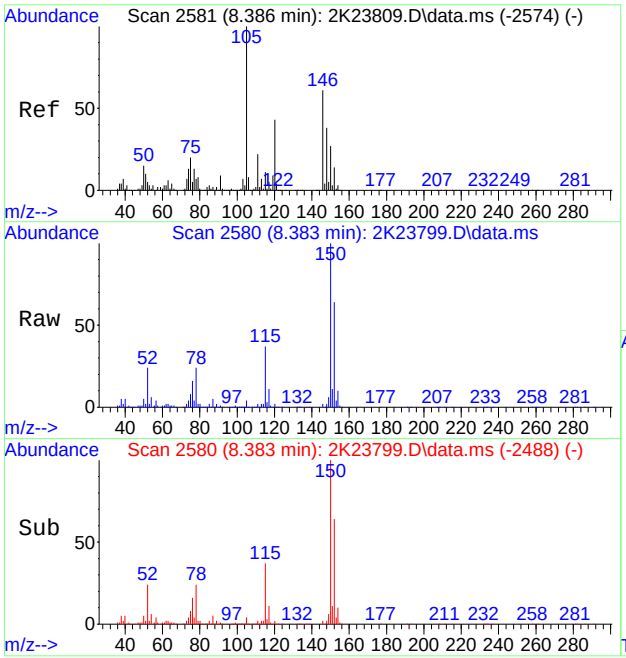


#110
p-isopropyltoluene
Concen: 0.89 ug/L
RT: 8.277 min Scan# 2547
Delta R.T. -0.000 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion:119 Resp: 16502

Ion	Ratio	Lower	Upper
119	100		
134	24.7	0.0	56.0
91	20.5	0.0	53.4

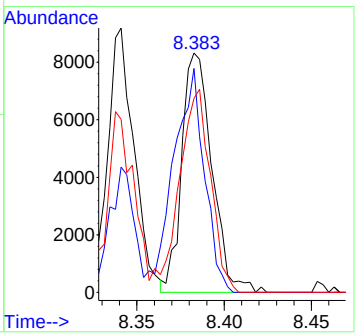


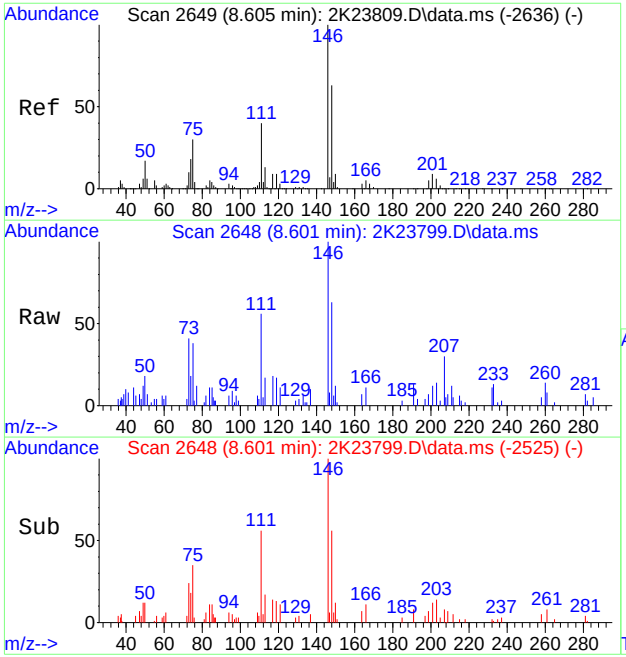


#111
1,4-dichlorobenzene
Concen: 0.94 ug/L
RT: 8.383 min Scan# 2580
Delta R.T. -0.003 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion:146 Resp: 10033

Ion	Ratio	Lower	Upper
146	100		
111	93.5	6.3	66.3#
148	81.0	32.9	92.9

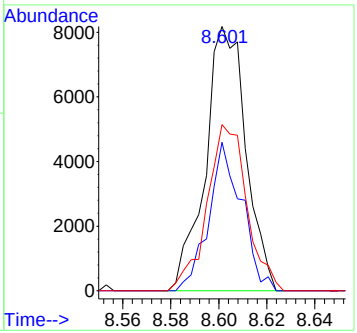


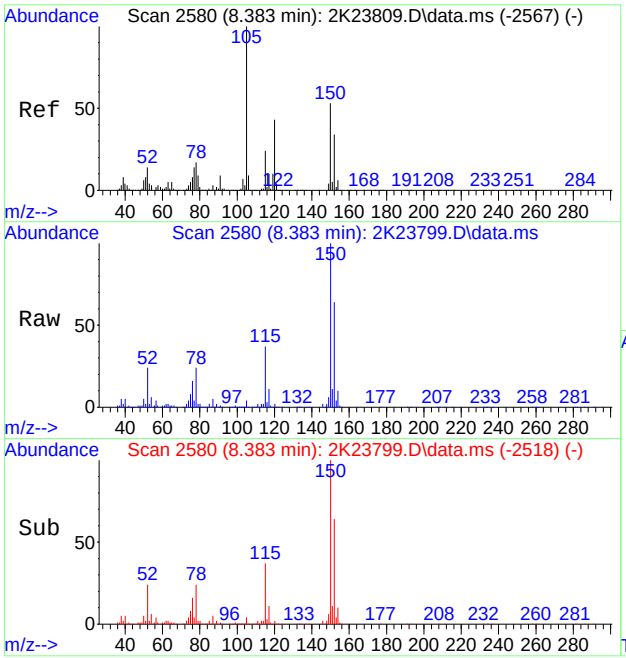


#112
1,2-dichlorobenzene
Concen: 0.93 ug/L
RT: 8.601 min Scan# 2648
Delta R.T. -0.003 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion:146 Resp: 9595

Ion	Ratio	Lower	Upper
146	100		
111	56.1	10.0	70.0
148	62.9	33.3	93.3

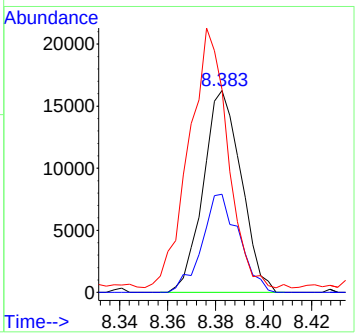


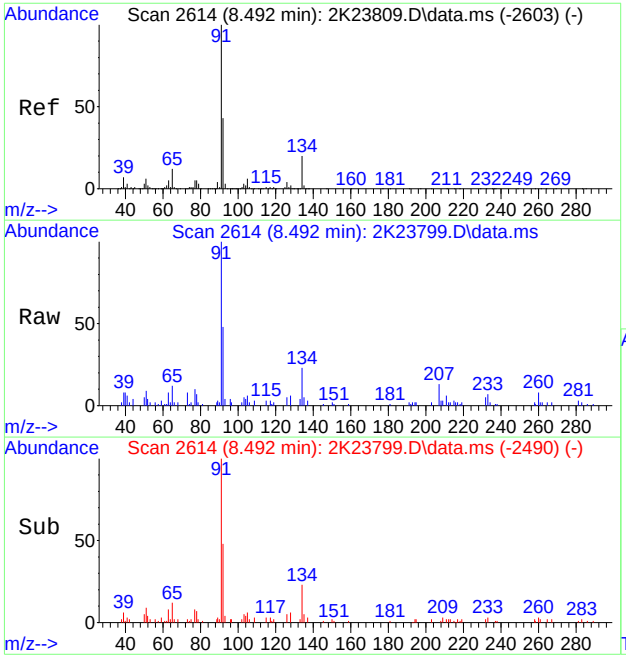


#113
1,2,3-trimethylbenzene
Concen: 0.91 ug/L
RT: 8.383 min Scan# 2580
Delta R.T. -0.000 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion:105 Resp: 17870

Ion	Ratio	Lower	Upper
105	100		
120	48.6	13.3	73.3
77	96.6	0.0	43.9#

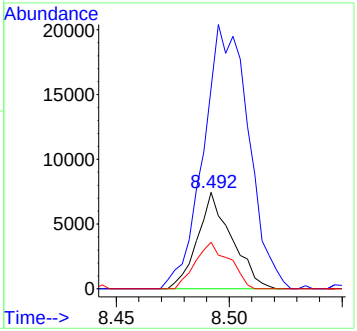


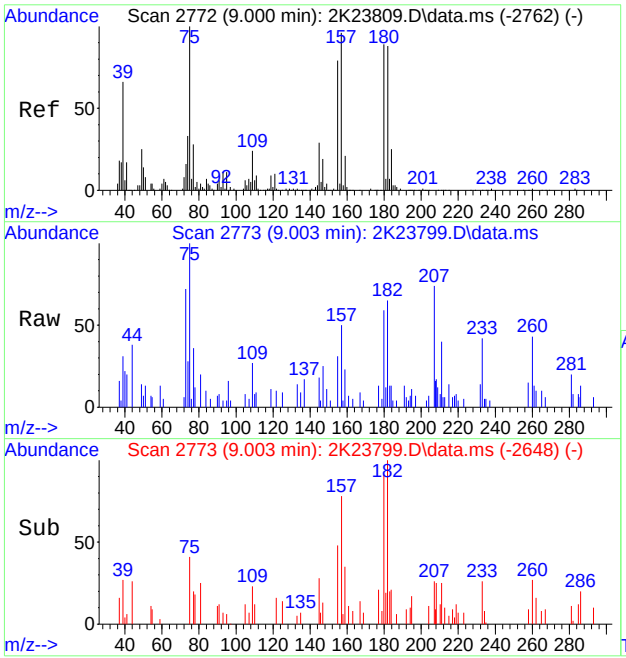


#114
n-butylbenzene
Concen: 0.88 ug/L
RT: 8.492 min Scan# 2614
Delta R.T. -0.000 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion: 92 Resp: 7841

Ion	Ratio	Lower	Upper
92	100		
91	208.3	203.0	263.0
134	48.2	17.1	77.1

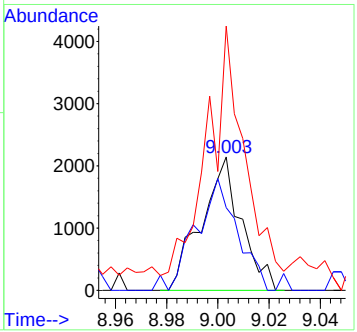


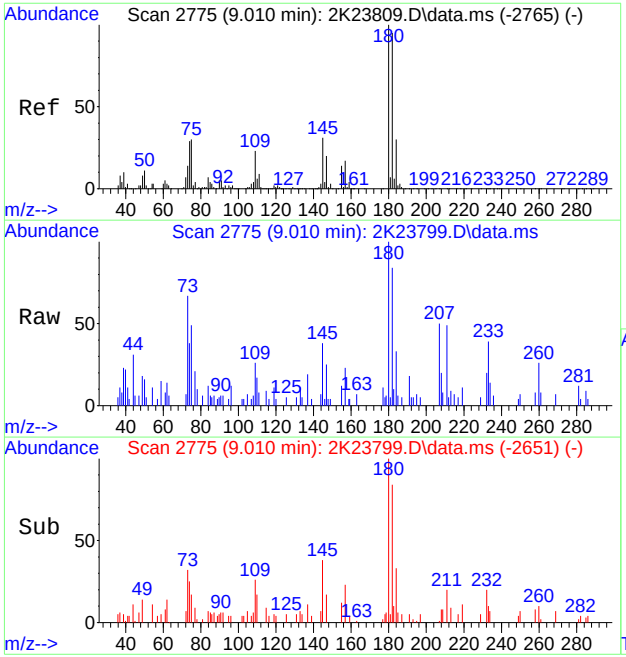


#115
1,2-dibromo-3-chloropropane
Concen: 1.01 ug/L
RT: 9.003 min Scan# 2773
Delta R.T. 0.003 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion:157 Resp: 2316

Ion	Ratio	Lower	Upper
157	100		
155	50.6	52.3	112.3#
75	187.0	74.2	134.2#

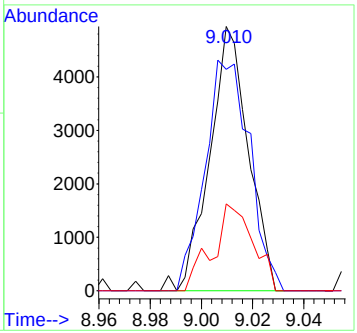


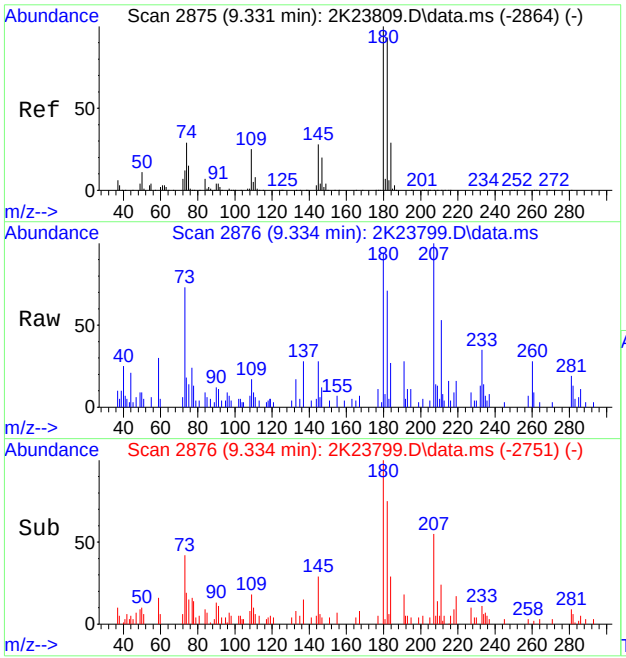


#116
1,3,5-trichlorobenzene
Concen: 0.84 ug/L
RT: 9.010 min Scan# 2775
Delta R.T. -0.000 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion:180 Resp: 5188

Ion	Ratio	Lower	Upper
180	100		
182	83.7	74.7	114.7
184	32.8	9.9	49.9

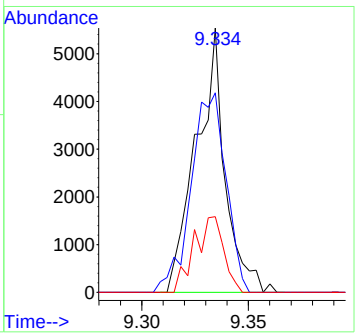


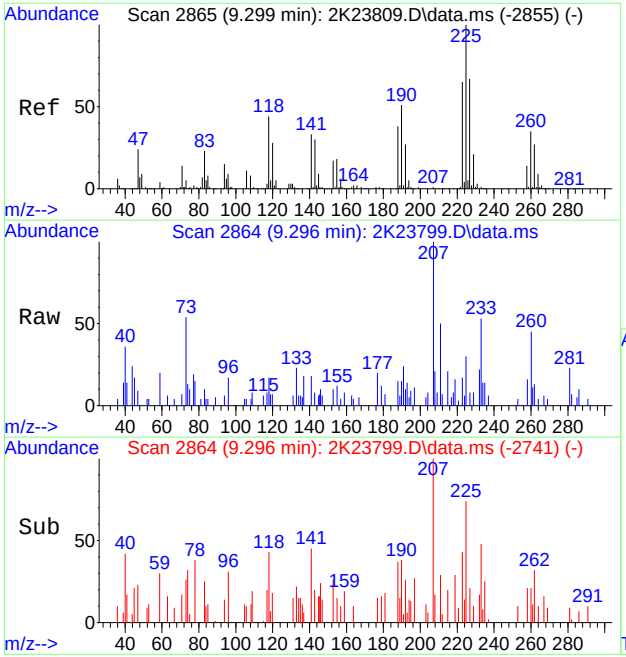


#117
1,2,4-trichlorobenzene
Concen: 1.01 ug/L
RT: 9.334 min Scan# 2876
Delta R.T. 0.003 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion:180 Resp: 5216

Ion	Ratio	Lower	Upper
180	100		
182	75.4	63.0	123.0
184	28.6	0.0	59.0

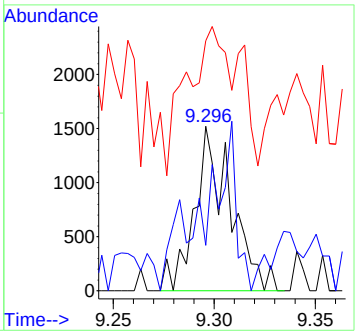


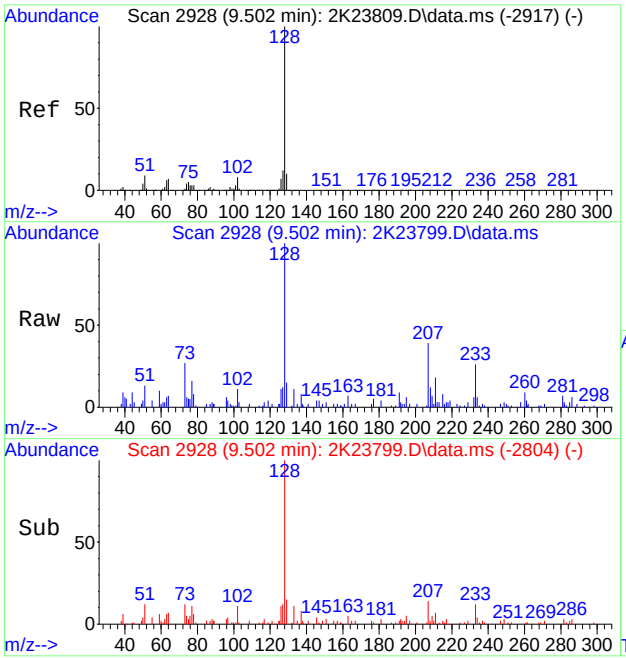


#118
hexachlorobutadiene
Concen: 0.99 ug/L
RT: 9.296 min Scan# 2864
Delta R.T. -0.003 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion:225 Resp: 1879

Ion	Ratio	Lower	Upper
225	100		
227	27.7	36.8	96.8#
260	45.1	5.2	65.2

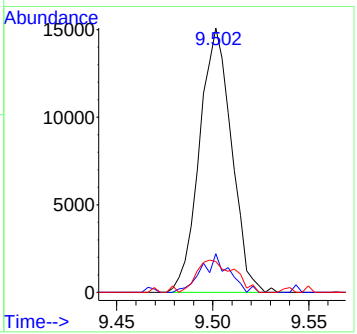


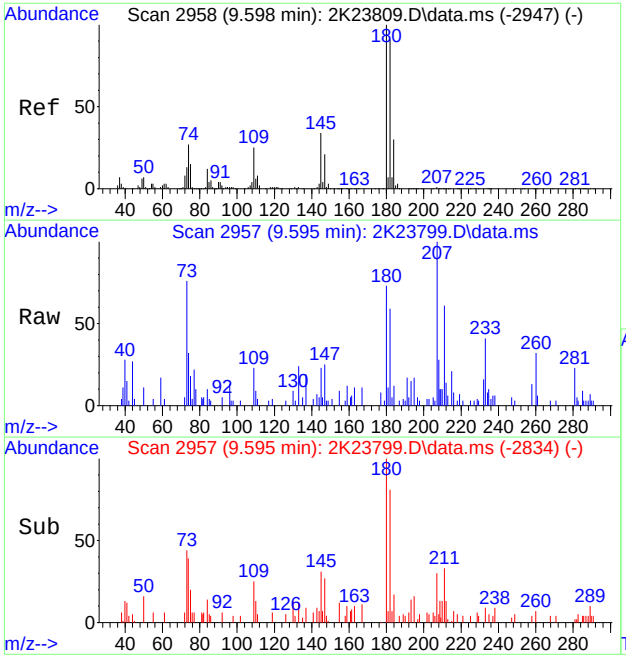


#119
naphthalene
Concen: 0.93 ug/L
RT: 9.502 min Scan# 2928
Delta R.T. -0.000 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion:128 Resp: 17537

Ion	Ratio	Lower	Upper
128	100		
129	14.7	0.0	40.4
127	11.7	0.0	42.1

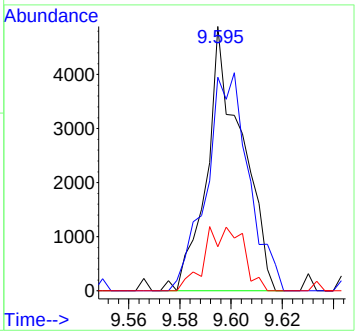


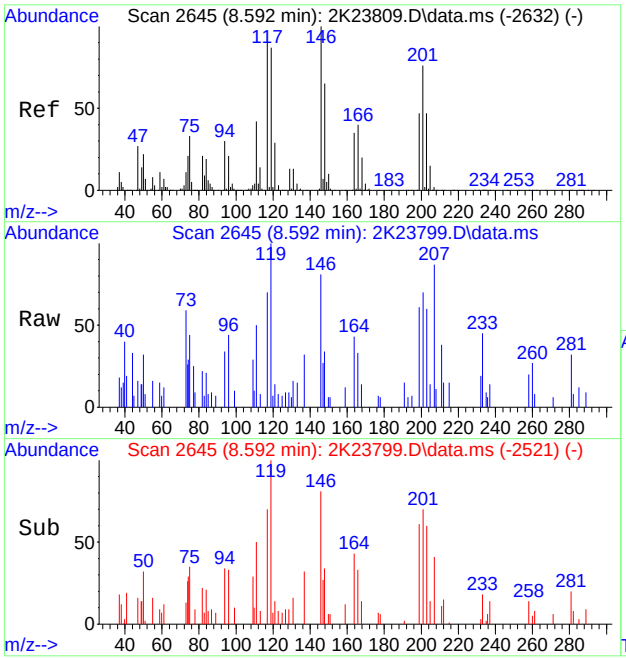


#120
1,2,3-trichlorobenzene
Concen: 0.90 ug/L
RT: 9.595 min Scan# 2957
Delta R.T. -0.003 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion:180 Resp: 4662

Ion	Ratio	Lower	Upper
180	100		
182	80.7	60.8	120.8
184	16.7	0.3	60.3

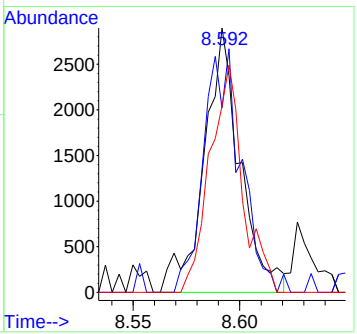


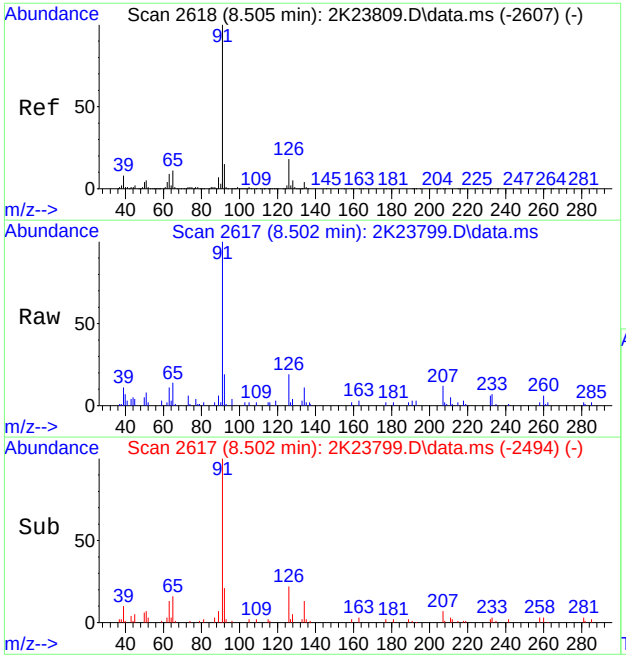


#121
hexachloroethane
Concen: 1.07 ug/L
RT: 8.592 min Scan# 2645
Delta R.T. -0.000 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion:119 Resp: 3388

Ion	Ratio	Lower	Upper
119	100		
117	69.7	72.5	132.5#
201	70.5	56.6	116.6

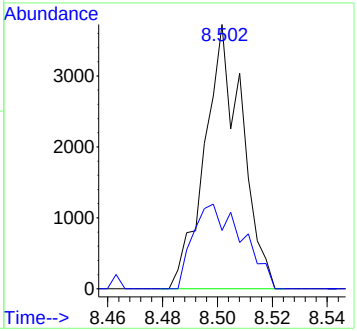


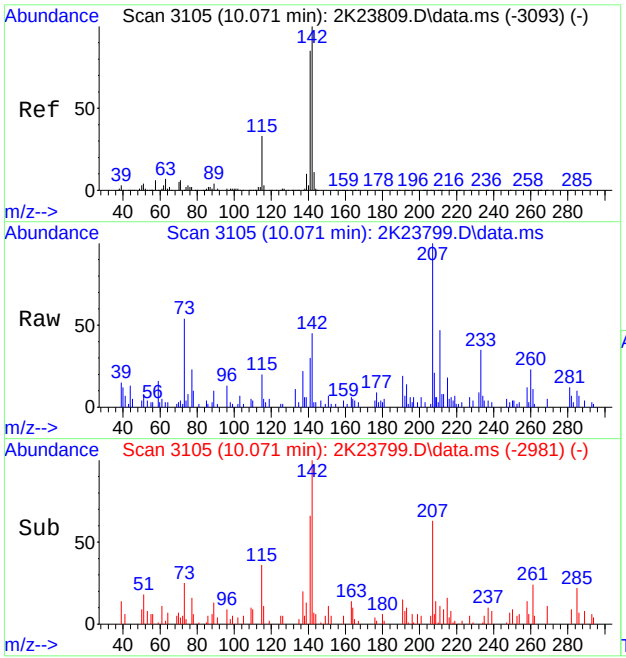


#122
benzyl chloride
Concen: 1.07 ug/L
RT: 8.502 min Scan# 2617
Delta R.T. -0.003 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion:126 Resp: 3535

Ion	Ratio	Lower	Upper
126	100		
128	22.1	1.1	61.1

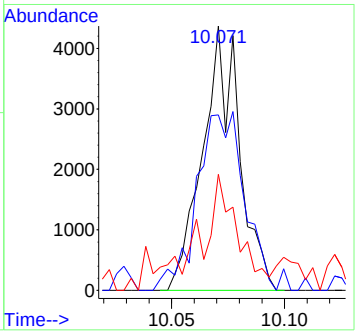




#123
2-methylnaphthalene
Concen: 0.54 ug/L
RT: 10.071 min Scan# 3105
Delta R.T. -0.000 min
Lab File: 2K23799.D
Acq: 5 Sep 2025 10:33 pm

Tgt Ion:142 Resp: 4925

Ion	Ratio	Lower	Upper
142	100		
141	62.1	54.5	114.5
115	35.0	3.3	63.3



Manual Integration Approval Summary

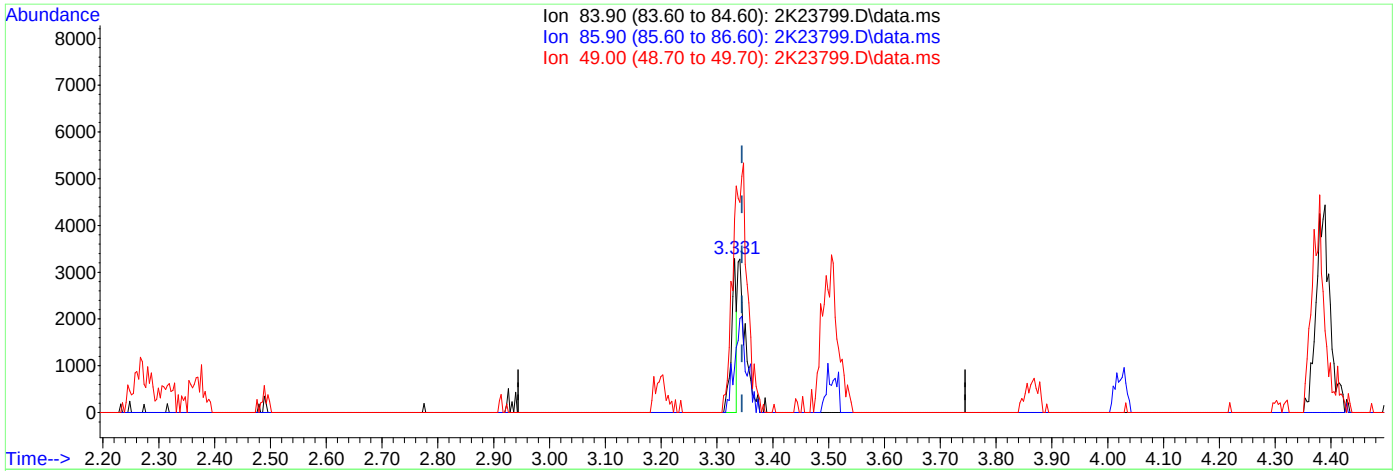
Sample Number:	V2K658-IC658	**Method:**	SW846 8260D
Lab FileID:	2K23799.D	**Analyst approved:**	09/08/25 13:42 MoHui Huang
Injection Time:	09/05/25 22:33	**Supervisor approved:**	09/09/25 02:04 Kanya Veerawat

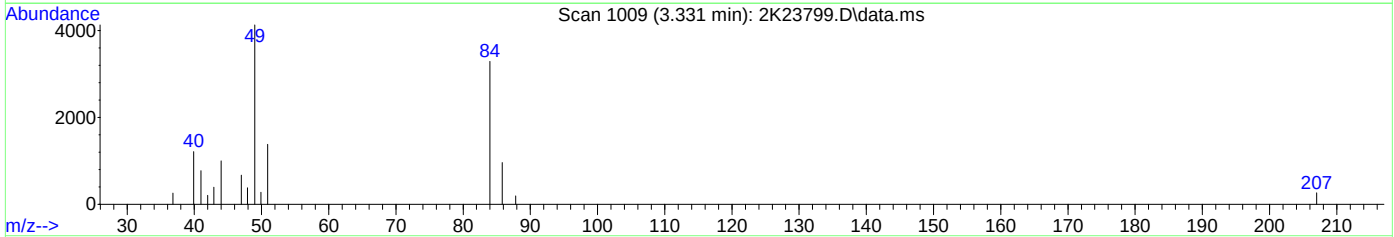
Parameter	CAS	Sig#	R.T. (min.)	Reason
Methylene chloride	75-09-2		3.33	Split peak

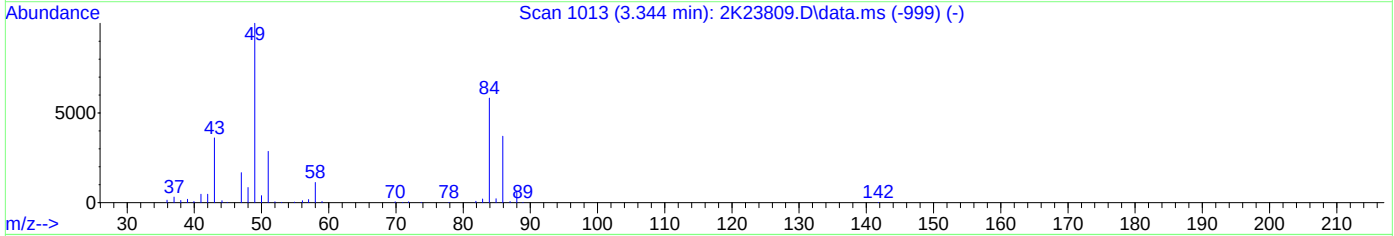
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 2K23799.D
Acq On : 5 Sep 2025 10:33 pm
Operator : PrashanS
Sample : IC658-1
Misc : MS95614,V2K658,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 08 12:37:33 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 12:37:23 2025
Response via : Initial Calibration







TIC: 2K23799.D\data.ms

(22) methylene chloride

3.331min (-0.013) 0.40ug/L

response 2038

Ion	Exp%	Act%
83.90	100	100
85.90	63.40	29.19#
49.00	171.90	125.66#
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 09/09/25 02:04

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 2K23801.D
Acq On : 5 Sep 2025 11:07 pm
Operator : PrashanS
Sample : IC658-2
Misc : MS95614,V2K658,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 08 12:55:19 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 12:47:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	3.499	65	686601	500.00	ug/L	0.00
5) pentafluorobenzene	4.810	168	693367	50.00	ug/L	0.00
50) 1,4-difluorobenzene	5.174	114	1079758	50.00	ug/L	0.00
72) chlorobenzene-d5	7.109	117	915313	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	8.376	152	448393	50.00	ug/L	0.00
124) pentafluorobenzene(a)	4.810	168	693367	50.00	ug/L	0.00
128) 1,4-dichlorobenzene-d4(a)	8.376	152	448393	50.00	ug/L	0.00
System Monitoring Compounds						
42) dibromofluoromethane (s)	4.528	113	300300	51.11	ug/L	0.00
Spiked Amount 50.000	Range 75 - 127		Recovery = 102.22%			
51) 1,2-dichloroethane-d4 (s)	4.881	65	399662	51.71	ug/L	0.00
Spiked Amount 50.000	Range 75 - 130		Recovery = 103.42%			
73) toluene-d8 (s)	6.122	98	1245394	49.40	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.80%			
97) 4-bromofluorobenzene (s)	7.791	95	464346	49.65	ug/L	0.00
Spiked Amount 50.000	Range 79 - 127		Recovery = 99.30%			
Target Compounds						Qvalue
2) ethanol	2.827	45	33762	184.6271	ug/L	90
3) tertiary butyl alcohol	3.547	59	16356	9.9701	ug/L	95
4) 1,4-dioxane	5.679	88	5702	49.9350	ug/L #	71
6) chlorodifluoromethane	1.762	51	19846	2.1049	ug/L	97
7) dichlorodifluoromethane	1.724	85	14647	2.1194	ug/L	91
8) chloromethane	1.913	50	16653	2.0128	ug/L	90
9) vinyl chloride	1.971	62	12934	1.9207	ug/L	90
10) 1,3-butadiene	1.987	39	13129	1.8469	ug/L	96
11) bromomethane	2.258	96	3648	1.6753	ug/L #	94
12) chloroethane	2.367	64	7161	2.0843	ug/L	88
13) trichlorofluoromethane	2.483	101	18574	2.0102	ug/L	73
14) ethyl ether	2.730	74	6422	1.9393	ug/L	92
15) acrolein	3.148	56	3695	2.0983	ug/L	73
16) freon 113	2.926	151	8553	2.0542	ug/L	91
17) 1,1-dichloroethene	2.901	61	16832	1.9054	ug/L	97
18) acetone	3.354	58	8544	7.6068	ug/L #	81
19) acetonitrile	3.698	41	34713	21.9088	ug/L	98
20) iodomethane	3.026	142	6266	1.1289	ug/L	88
21) carbon disulfide	2.946	76	29636	2.0061	ug/L	97
22) methylene chloride	3.338	84	10574	2.0723	ug/L	92
23) methyl acetate	3.441	74	3218	2.1977	ug/L #	61
24) methyl tert butyl ether	3.511	73	35033	1.9197	ug/L	82
25) trans-1,2-dichloroethene	3.457	96	10267	1.9589	ug/L	84
26) hexane	3.505	57	27248	1.9030	ug/L	94
27) di-isopropyl ether	3.765	45	45172	1.9594	ug/L	96
28) ethyl tert-butyl ether	4.013	59	38975	1.8990	ug/L	97
29) 2-butanone	4.595	72	8066	6.6871	ug/L	96
30) 1,1-dichloroethane	3.878	63	21969	2.0707	ug/L	88
31) chloroprene	3.862	53	21488	1.8650	ug/L	94
32) acrylonitrile	3.907	52	6537	1.9053	ug/L	88
33) vinyl acetate	4.013	86	2609	1.8151	ug/L #	37
34) ethyl acetate	4.457	70	2284	2.4419	ug/L #	72
35) 2,2-dichloropropane	4.315	77	17840	2.1185	ug/L	91
36) cis-1,2-dichloroethene	4.241	96	11160	1.9968	ug/L	90
37) propionitrile	4.801	54	36518m	20.0820	ug/L	
38) methyl acrylate	4.473	85	2669	2.0209	ug/L #	37
39) bromochloromethane	4.373	128	4792	2.0191	ug/L	88
40) tetrahydrofuran	4.518	71	2414	1.9892	ug/L #	86

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 2K23801.D
Acq On : 5 Sep 2025 11:07 pm
Operator : PrashanS
Sample : IC658-2
Misc : MS95614,V2K658,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 08 12:55:19 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 12:47:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) chloroform	4.405	83	21339	2.0192	ug/L		96
43) methacrylonitrile	4.810	67	8683	2.5280	ug/L	#	72
44) 1,1,1-trichloroethane	4.560	97	16831	1.9264	ug/L		82
45) cyclohexane	4.383	84	14696	1.9197	ug/L		87
46) 1,1-dichloropropene	4.634	75	14315	1.9513	ug/L		94
47) carbon tetrachloride	4.515	117	16172	2.0239	ug/L		96
49) tert-amyl alcohol	4.946	55	6216	10.9170	ug/L	#	72
52) iso-octane	4.692	57	42221	2.0268	ug/L		88
53) benzene	4.794	78	41012	1.9369	ug/L		92
54) tert-amyl methyl ether	4.839	73	34718	1.8902	ug/L		96
55) heptane	4.746	57	5694	1.8770	ug/L		90
56) isopropyl acetate	5.032	87	3365	1.9172	ug/L	#	75
57) 1,2-dichloroethane	4.929	62	17865	2.0589	ug/L		99
58) n-butyl alcohol	5.315	56	44906	96.6810	ug/L		97
59) ethyl acrylate	5.470	55	22216	1.9443	ug/L		96
60) trichloroethene	5.161	130	9903	1.9711	ug/L		90
61) 2-nitropropane	6.302	41	7251	2.5379	ug/L	#	35
62) 2-chloroethyl vinyl ether	5.926	63	35219	9.6026	ug/L		93
63) methyl methacrylate	5.614	100	3840	1.8907	ug/L	#	83
64) 1,2-dichloropropane	5.521	63	12144	2.0470	ug/L		87
65) methylcyclohexane	5.167	98	7664	2.1113	ug/L	#	59
66) dibromomethane	5.447	93	6810	2.0984	ug/L		91
67) bromodichloromethane	5.547	83	13511	1.9395	ug/L		91
68) epichlorohydrin	6.154	57	12994	10.0528	ug/L		87
69) cis-1,3-dichloropropene	5.990	75	17651	1.9669	ug/L		90
70) 4-methyl-2-pentanone	6.386	58	30172	7.9418	ug/L		86
71) 3-methyl-1-butanol	6.219	70	14335	38.8303	ug/L		85
74) toluene	6.158	92	26418	1.9195	ug/L		98
75) ethyl methacrylate	6.492	69	16306	1.9387	ug/L		97
76) trans-1,3-dichloropropene	6.421	75	16478	1.8278	ug/L		92
77) 1,1,2-trichloroethane	6.534	83	8022	1.9395	ug/L		93
78) tetrachloroethene	6.418	166	10008	1.9652	ug/L		88
79) 2-hexanone	6.907	58	33031	7.8565	ug/L		97
80) 1,3-dichloropropane	6.711	76	16192	1.8066	ug/L		94
81) butyl acetate	6.833	56	13578	2.2988	ug/L		84
82) dibromochloromethane	6.650	129	10549	2.0758	ug/L		89
83) 1,2-dibromoethane	6.817	107	9931	2.0927	ug/L		82
84) n-butyl ether	7.013	57	54677	1.9541	ug/L		95
85) chlorobenzene	7.119	112	27409	1.9629	ug/L		92
86) 1,1,1,2-tetrachloroethane	7.154	131	10234	2.1583	ug/L		87
87) ethylbenzene	7.119	91	49156	1.8315	ug/L		93
88) m,p-xylene	7.206	106	37752	4.1196	ug/L		92
89) o-xylene	7.457	106	17648	1.9374	ug/L		87
90) styrene	7.479	104	29313	1.8979	ug/L		96
91) bromoform	7.515	173	8351	1.9460	ug/L		95
92) butyl acrylate	7.524	55	31403	1.9868	ug/L		97
93) isopropylbenzene	7.624	105	43996	1.9849	ug/L		94
94) n-amyl acetate	7.659	70	9789	1.9322	ug/L		94
95) cis-1,4-dichloro-2-butene	7.810	88	6805	1.7239	ug/L	#	65
98) bromobenzene	7.859	156	12261	2.1421	ug/L		89
99) 1,1,2,2-tetrachloroethane	7.888	83	14347	1.8474	ug/L		83
100) trans-1,4-dichloro-2-b...	7.974	53	6762	1.8657	ug/L		93
101) 1,2,3-trichloropropane	7.968	110	5070	1.9836	ug/L		77
102) n-propylbenzene	7.849	91	52946	2.0091	ug/L		99
103) 2-chlorotoluene	7.945	126	10861	1.9713	ug/L		96
104) 4-chlorotoluene	8.032	91	33650	1.8953	ug/L		96
105) 1,3,5-trimethylbenzene	7.945	105	36231	1.9842	ug/L		97
106) tert-butylbenzene	8.119	119	30005	1.8971	ug/L		94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 2K23801.D
Acq On : 5 Sep 2025 11:07 pm
Operator : PrashanS
Sample : IC658-2
Misc : MS95614,V2K658,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 08 12:55:19 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 12:47:57 2025
Response via : Initial Calibration

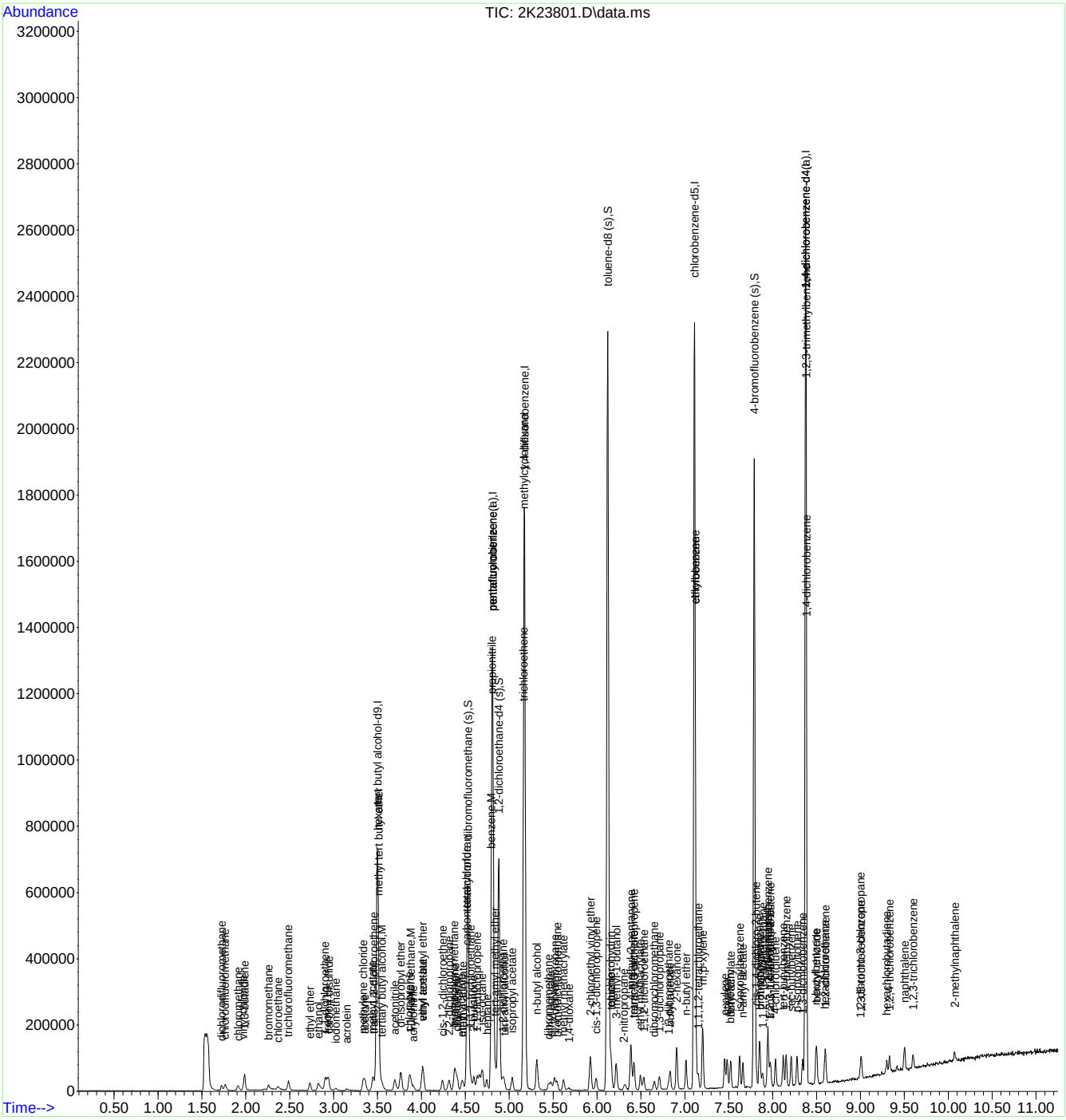
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
107) 1,2,4-trimethylbenzene	8.154	105	35484	1.9723	ug/L		96
108) sec-butylbenzene	8.212	105	41708	2.0832	ug/L		97
109) 1,3-dichlorobenzene	8.341	146	21969	2.0504	ug/L		94
110) p-isopropyltoluene	8.280	119	34698	1.8885	ug/L		96
111) 1,4-dichlorobenzene	8.386	146	21932	2.0634	ug/L		91
112) 1,2-dichlorobenzene	8.601	146	19918	1.9428	ug/L		95
113) 1,2,3-trimethylbenzene	8.383	105	35604	1.8305	ug/L	#	78
114) n-butylbenzene	8.492	92	17272	1.9594	ug/L		95
115) 1,2-dibromo-3-chloropr...	9.000	157	4755	2.0327	ug/L		95
116) 1,3,5-trichlorobenzene	9.006	180	11526	1.9051	ug/L		87
117) 1,2,4-trichlorobenzene	9.331	180	9929	1.8903	ug/L		91
118) hexachlorobutadiene	9.299	225	3840	1.9993	ug/L		97
119) naphthalene	9.502	128	36034	1.9240	ug/L		91
120) 1,2,3-trichlorobenzene	9.598	180	9129	1.7939	ug/L		82
121) hexachloroethane	8.595	119	6653	1.9937	ug/L		90
122) benzyl chloride	8.502	126	6866	1.9804	ug/L		93
123) 2-methylnaphthalene	10.074	142	8992	0.9422	ug/L		95

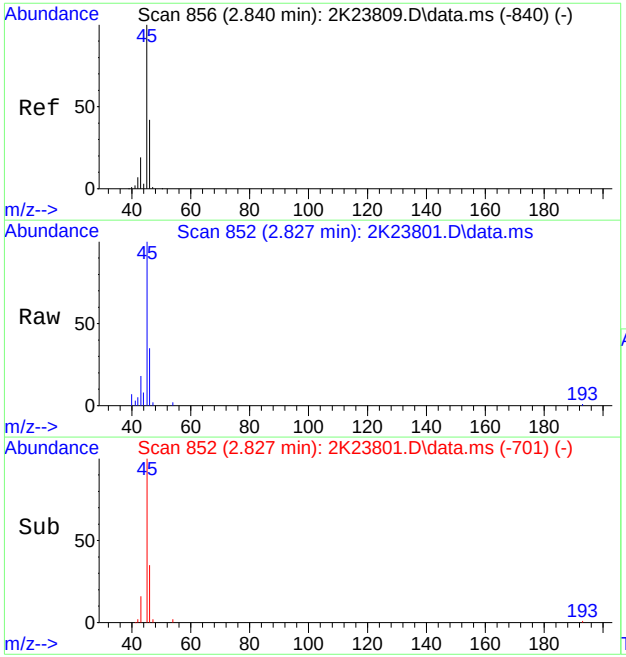
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 2K23801.D
Acq On : 5 Sep 2025 11:07 pm
Operator : PrashanS
Sample : IC658-2
Misc : MS95614,V2K658,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 08 12:55:19 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 12:47:57 2025
Response via : Initial Calibration

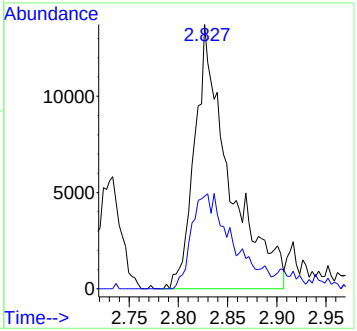


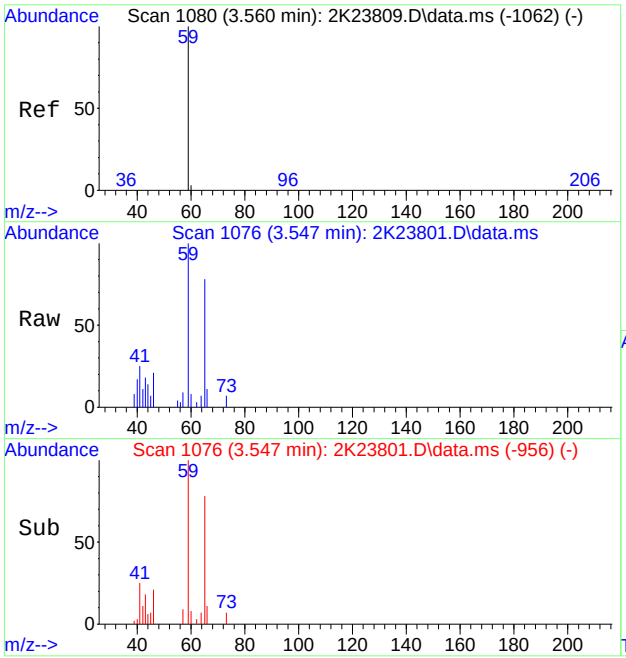


#2
ethanol
Concen: 184.63 ug/L
RT: 2.827 min Scan# 852
Delta R.T. -0.013 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 45 Resp: 33762

Ion	Ratio	Lower	Upper
45	100		
46	35.0	21.3	61.3

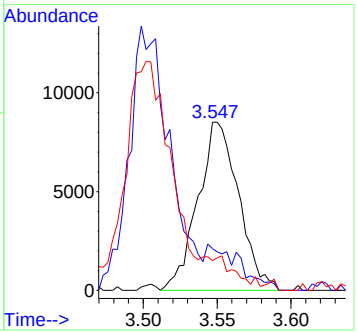


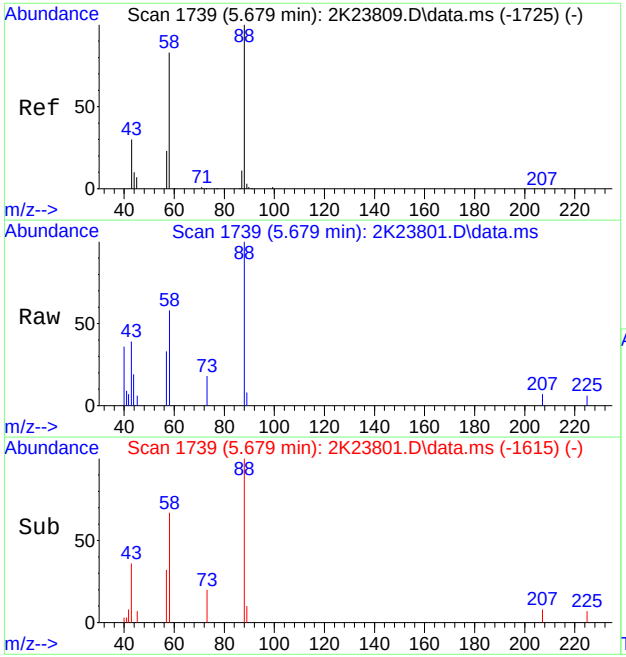


#3
tertiary butyl alcohol
Concen: 9.97 ug/L
RT: 3.547 min Scan# 1076
Delta R.T. -0.013 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 59 Resp: 16356

Ion	Ratio	Lower	Upper
59	100		
41	24.9	0.0	30.0
43	17.6	0.0	45.5

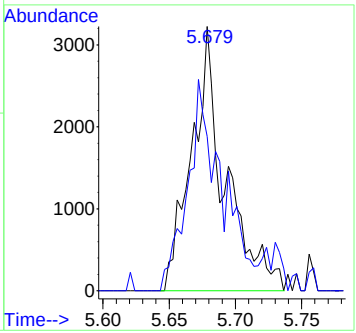


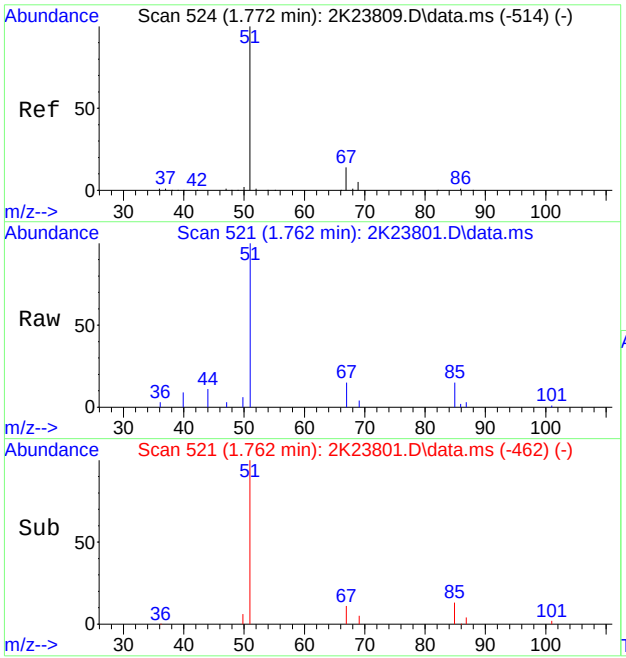


#4
1,4-dioxane
Concen: 49.94 ug/L
RT: 5.679 min Scan# 1739
Delta R.T. -0.000 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 88 Resp: 5702

Ion	Ratio	Lower	Upper
88	100		
58	58.4	64.5	104.5#

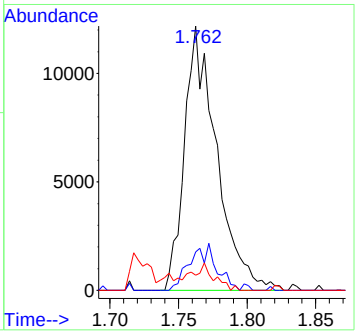


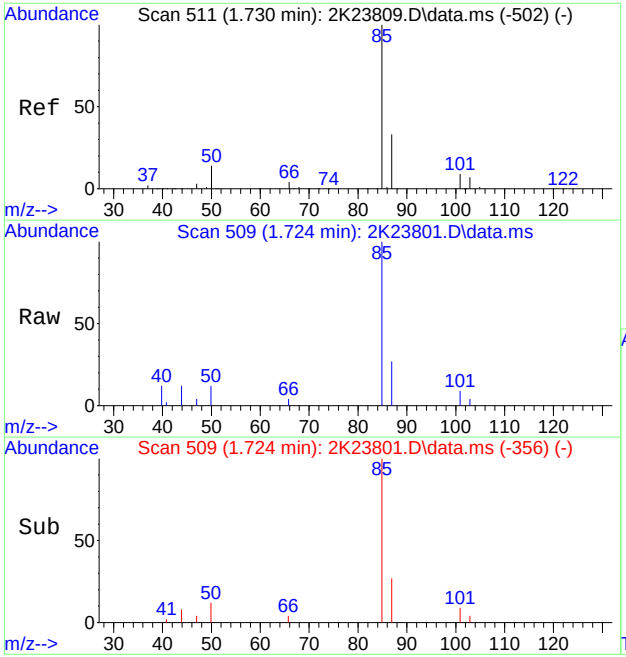


#6
chlorodifluoromethane
Concen: 2.10 ug/L
RT: 1.762 min Scan# 521
Delta R.T. -0.010 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 51 Resp: 19846

Ion	Ratio	Lower	Upper
51	100		
67	14.5	0.0	44.0
50	5.7	0.0	37.4

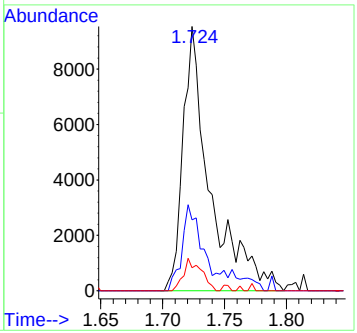


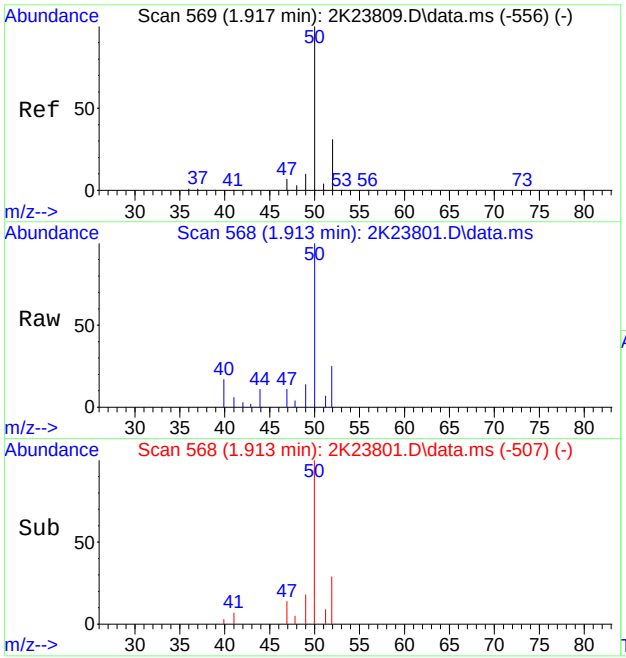


#7
dichlorodifluoromethane
Concen: 2.12 ug/L
RT: 1.724 min Scan# 509
Delta R.T. -0.007 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 85 Resp: 14647

Ion	Ratio	Lower	Upper
85	100		
87	26.8	3.4	63.4
101	8.7	0.0	39.0

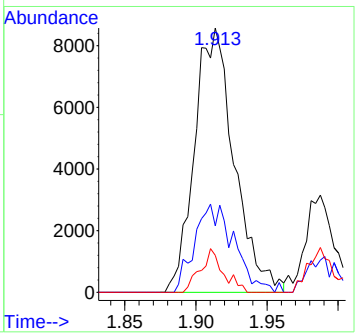


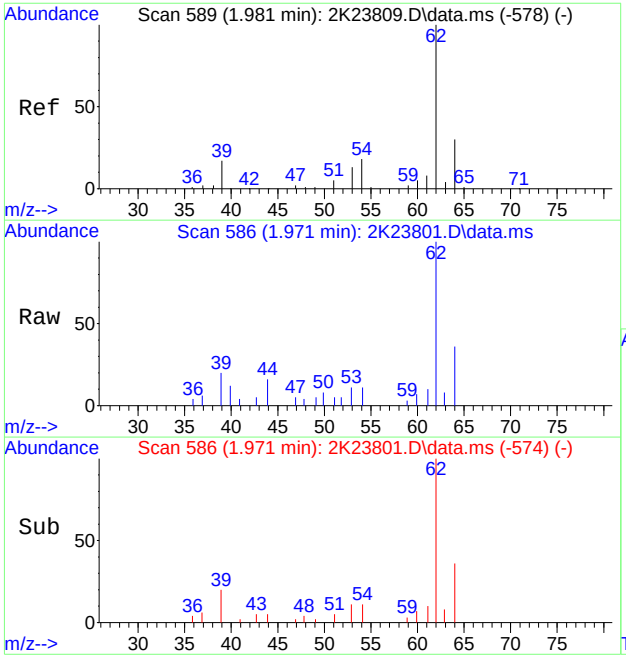


#8
chloromethane
Concen: 2.01 ug/L
RT: 1.913 min Scan# 568
Delta R.T. -0.003 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 50 Resp: 16653

Ion	Ratio	Lower	Upper
50	100		
52	25.2	0.8	60.8
49	14.0	0.0	40.1

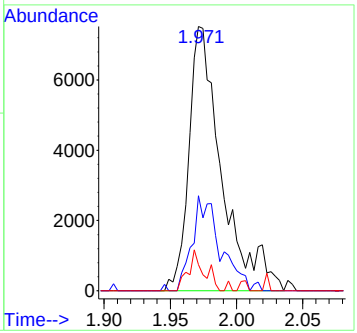


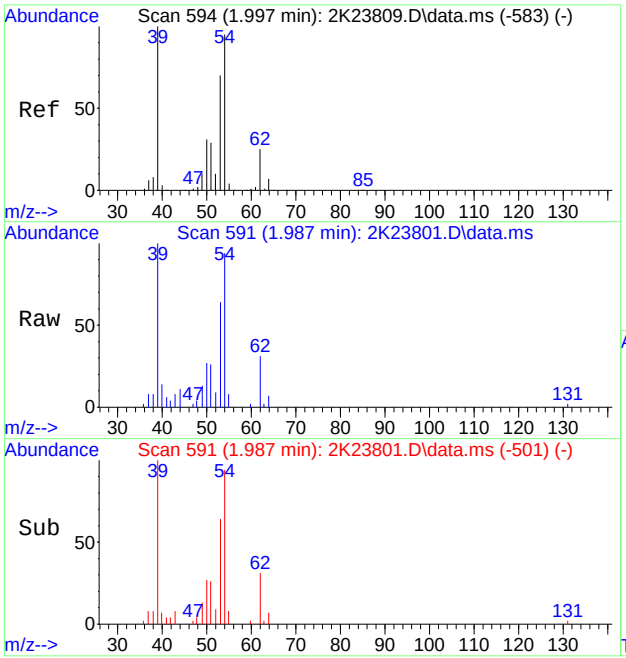


#9
vinyl chloride
Concen: 1.92 ug/L
RT: 1.971 min Scan# 586
Delta R.T. -0.010 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 62 Resp: 12934

Ion	Ratio	Lower	Upper
62	100		
64	36.0	0.0	60.0
61	9.9	0.0	37.6

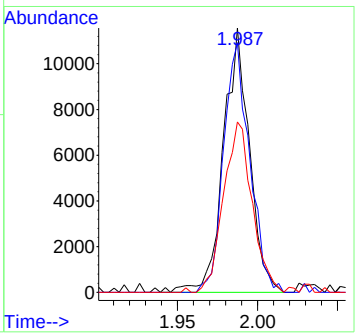


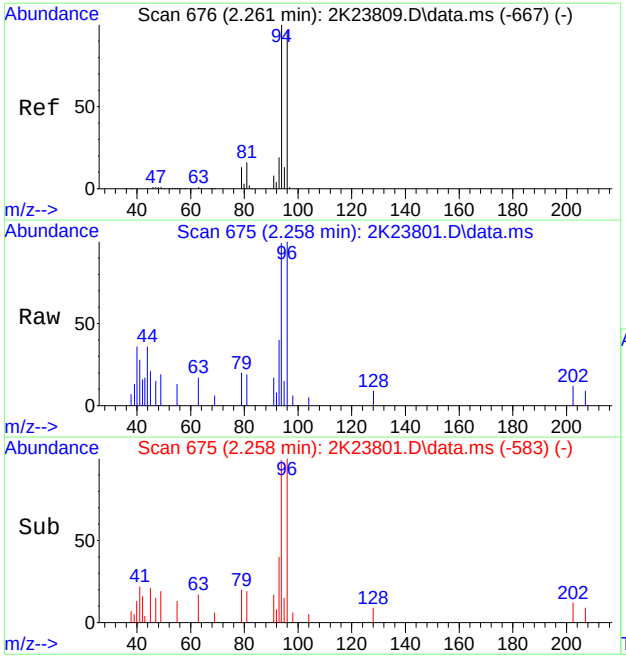


#10
1,3-butadiene
Concen: 1.85 ug/L
RT: 1.987 min Scan# 591
Delta R.T. -0.010 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 39 Resp: 13129

Ion	Ratio	Lower	Upper
39	100		
54	94.4	65.4	125.4
53	64.5	40.3	100.3

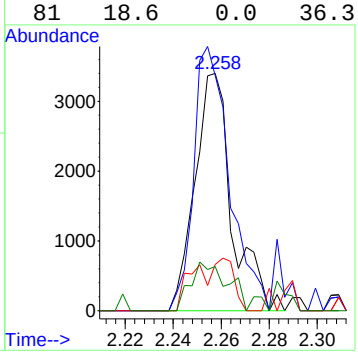


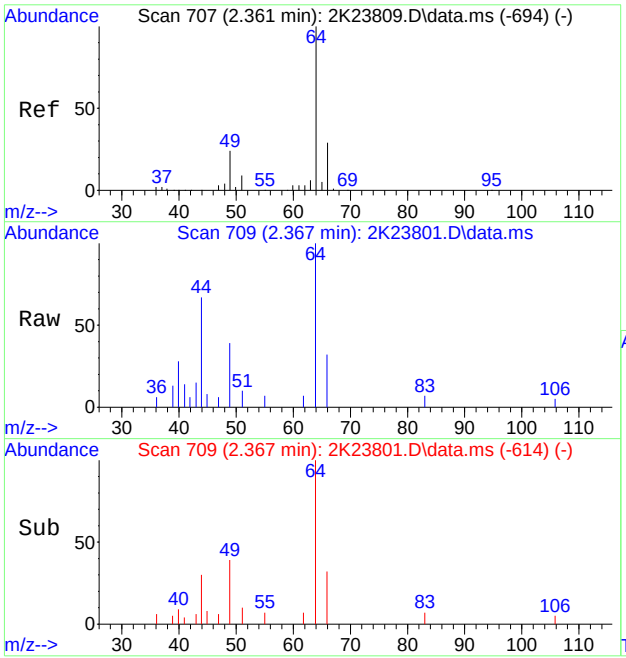


#11
bromomethane
Concen: 1.68 ug/L
RT: 2.258 min Scan# 675
Delta R.T. -0.003 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 96 Resp: 3648

Ion	Ratio	Lower	Upper
96	100		
94	99.2	74.5	134.5
79	19.5	13.7	13.7#
81	18.6	0.0	36.3

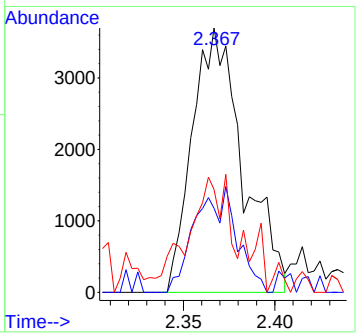


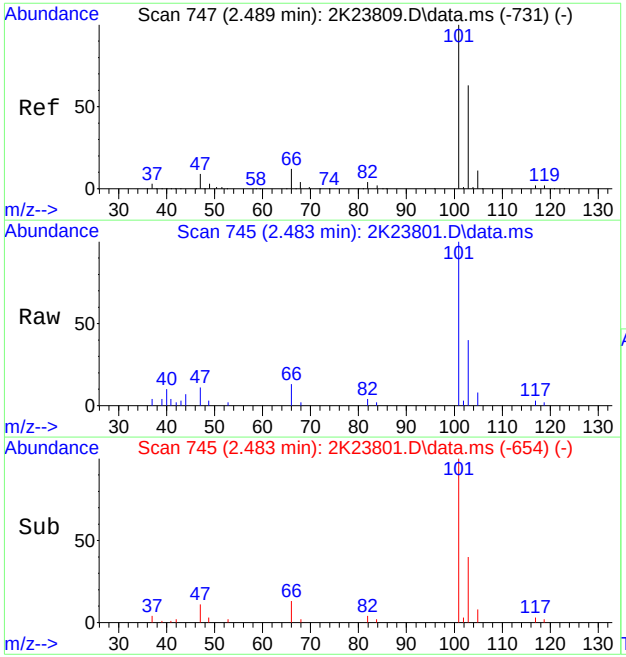


#12
chloroethane
Concen: 2.08 ug/L
RT: 2.367 min Scan# 709
Delta R.T. 0.006 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 64 Resp: 7161

Ion	Ratio	Lower	Upper
64	100		
66	31.8	0.0	59.3
49	34.1	0.0	54.3

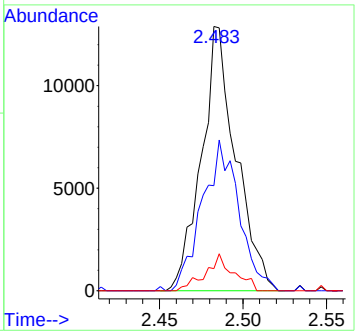


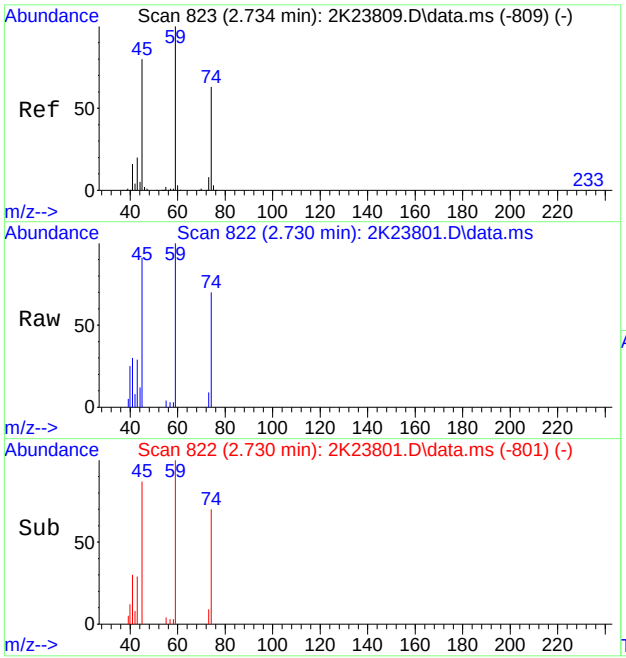


#13
trichlorofluoromethane
Concen: 2.01 ug/L
RT: 2.483 min Scan# 745
Delta R.T. -0.007 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion:101 Resp: 18574

Ion	Ratio	Lower	Upper
101	100		
103	39.7	33.3	93.3
105	8.4	0.0	40.7

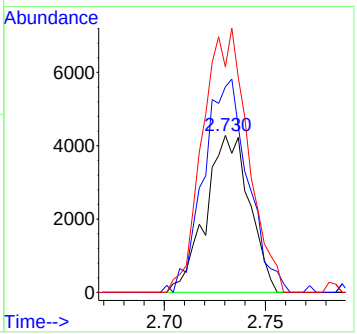


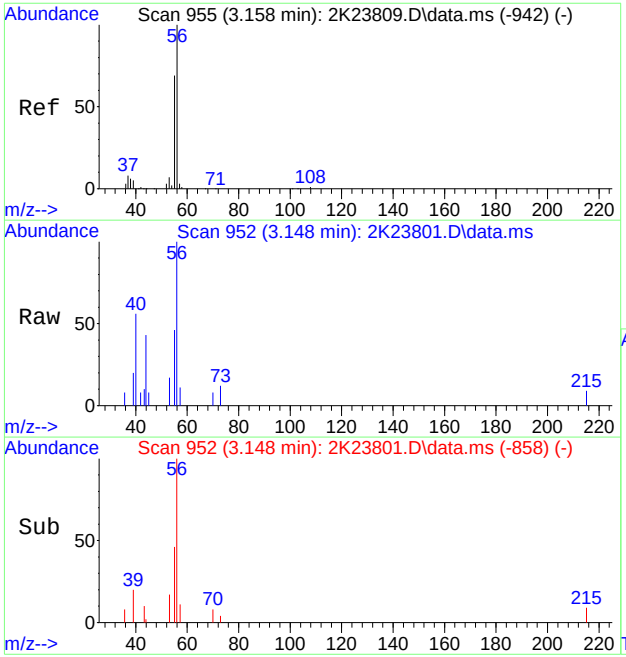


#14
ethyl ether
Concen: 1.94 ug/L
RT: 2.730 min Scan# 822
Delta R.T. -0.003 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 74 Resp: 6422

Ion	Ratio	Lower	Upper
74	100		
45	131.0	96.7	156.7
59	143.6	128.9	188.9

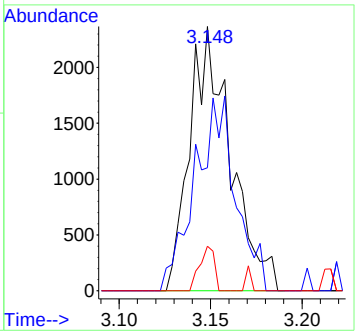


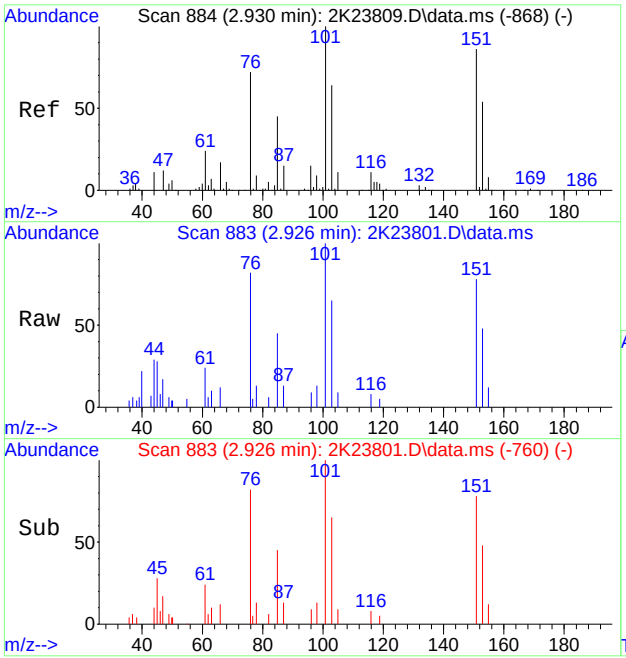


#15
acrolein
Concen: 2.10 ug/L
RT: 3.148 min Scan# 952
Delta R.T. -0.010 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 56 Resp: 3695

Ion	Ratio	Lower	Upper
56	100		
55	46.5	38.7	98.7
53	16.9	0.0	37.4

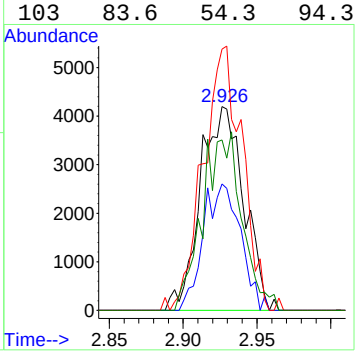


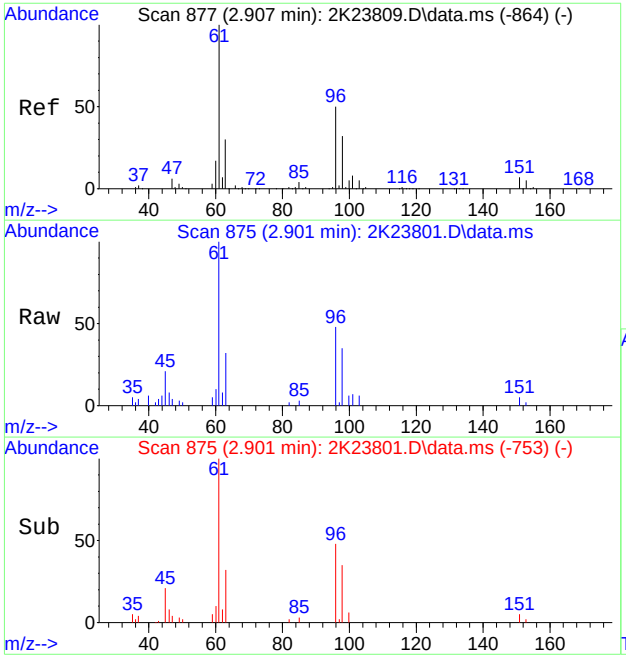


#16
freon 113
Concen: 2.05 ug/L
RT: 2.926 min Scan# 883
Delta R.T. -0.003 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion:151 Resp: 8553

Ion	Ratio	Lower	Upper
151	100		
153	62.1	43.0	83.0
101	128.2	95.9	135.9
103	83.6	54.3	94.3

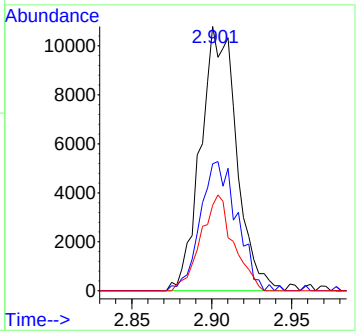


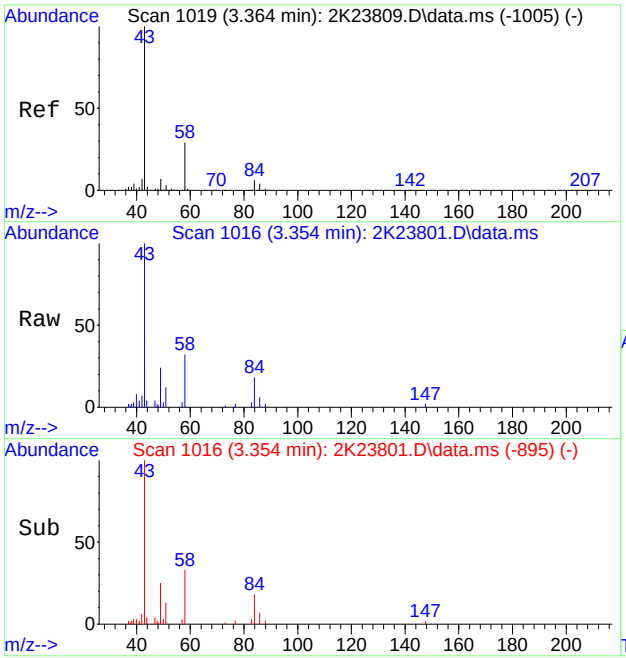


#17
1,1-dichloroethene
Concen: 1.91 ug/L
RT: 2.901 min Scan# 875
Delta R.T. -0.007 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 61 Resp: 16832

Ion	Ratio	Lower	Upper
61	100		
96	48.1	19.8	79.8
63	32.4	0.4	60.4

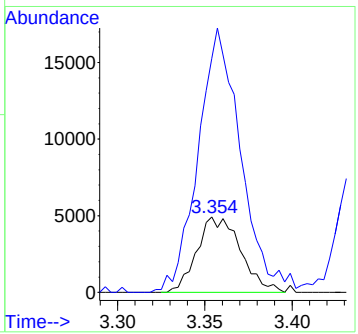


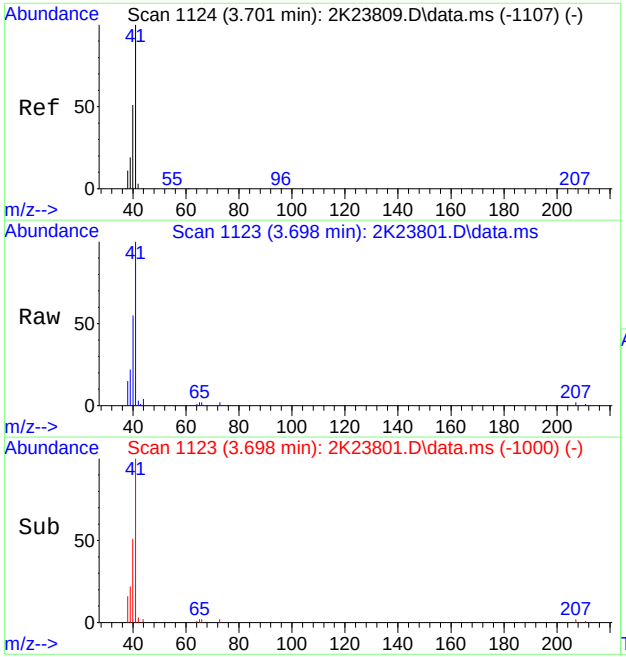


#18
acetone
Concen: 7.61 ug/L
RT: 3.354 min Scan# 1016
Delta R.T. -0.010 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 58 Resp: 8544

Ion	Ratio	Lower	Upper
58	100		
43	306.5	317.9	377.9#

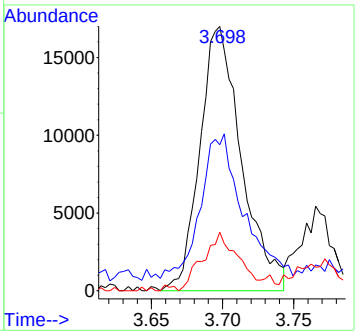


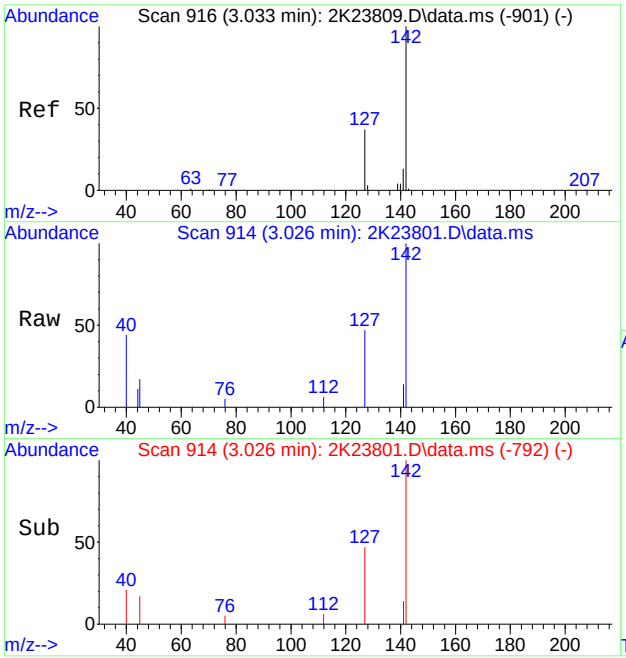


#19
acetonitrile
Concen: 21.91 ug/L
RT: 3.698 min Scan# 1123
Delta R.T. -0.003 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 41 Resp: 34713

Ion	Ratio	Lower	Upper
41	100		
40	50.5	20.7	80.7
39	22.1	0.0	48.9

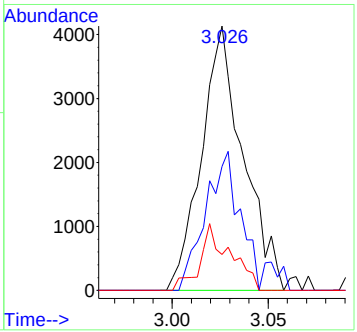


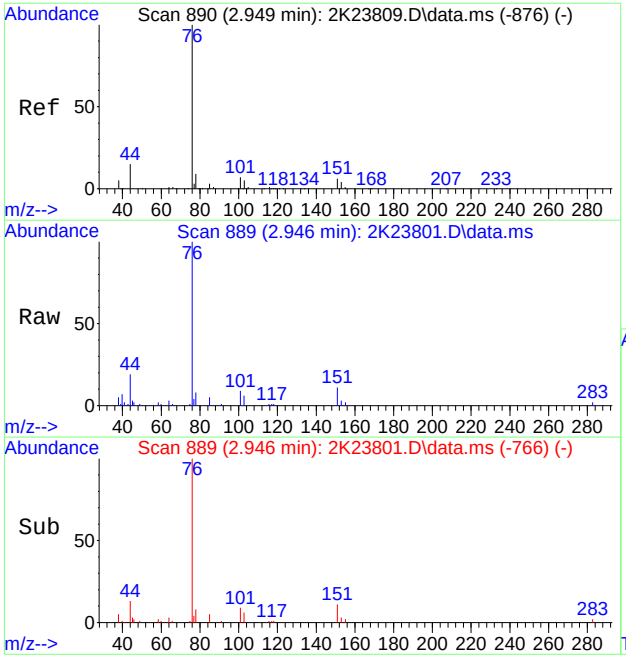


#20
iodomethane
Concen: 1.13 ug/L
RT: 3.026 min Scan# 914
Delta R.T. -0.007 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion:142 Resp: 6266

Ion	Ratio	Lower	Upper
142	100		
127	46.9	7.2	67.2
141	13.6	0.0	43.3

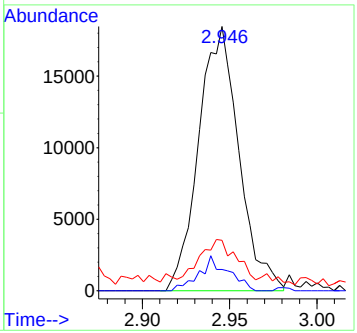


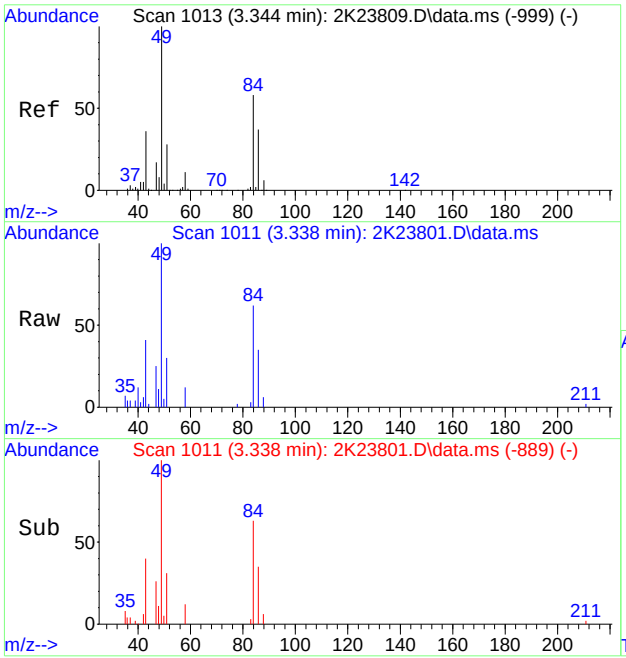


#21
carbon disulfide
Concen: 2.01 ug/L
RT: 2.946 min Scan# 889
Delta R.T. -0.003 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 76 Resp: 29636

Ion	Ratio	Lower	Upper
76	100		
78	8.1	0.0	39.4
44	15.9	0.0	44.9

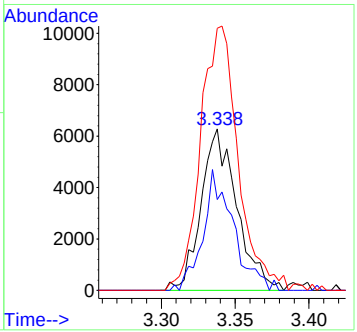


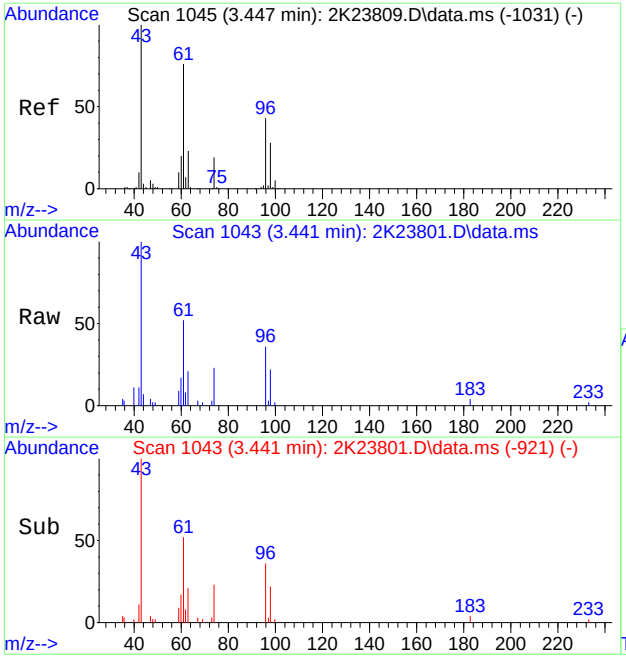


#22
methylene chloride
Concen: 2.07 ug/L
RT: 3.338 min Scan# 1011
Delta R.T. -0.007 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 84 Resp: 10574

Ion	Ratio	Lower	Upper
84	100		
86	56.3	33.4	93.4
49	162.3	141.9	201.9

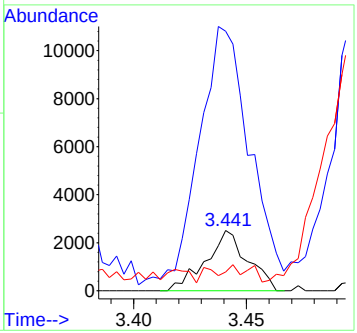


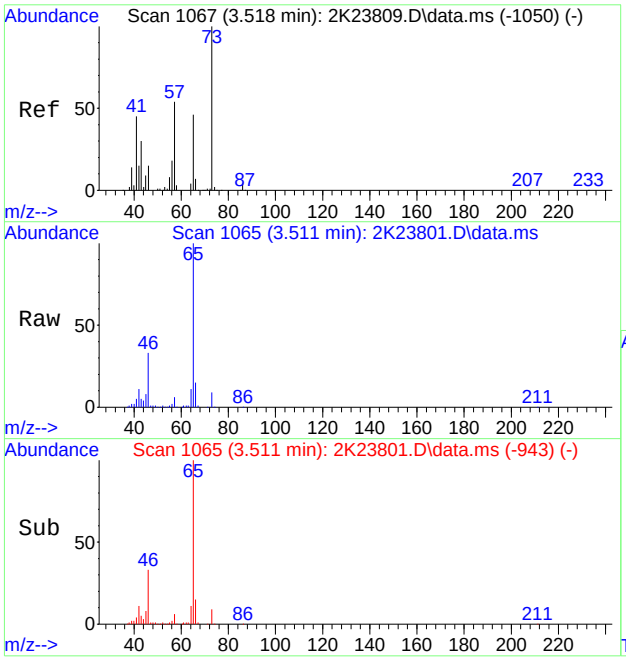


#23
methyl acetate
Concen: 2.20 ug/L
RT: 3.441 min Scan# 1043
Delta R.T. -0.007 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 74 Resp: 3218

Ion	Ratio	Lower	Upper
74	100		
43	409.5	492.7	552.7#
44	13.1	0.0	46.4

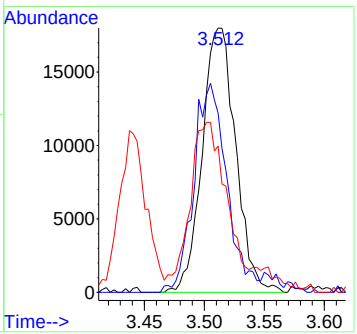


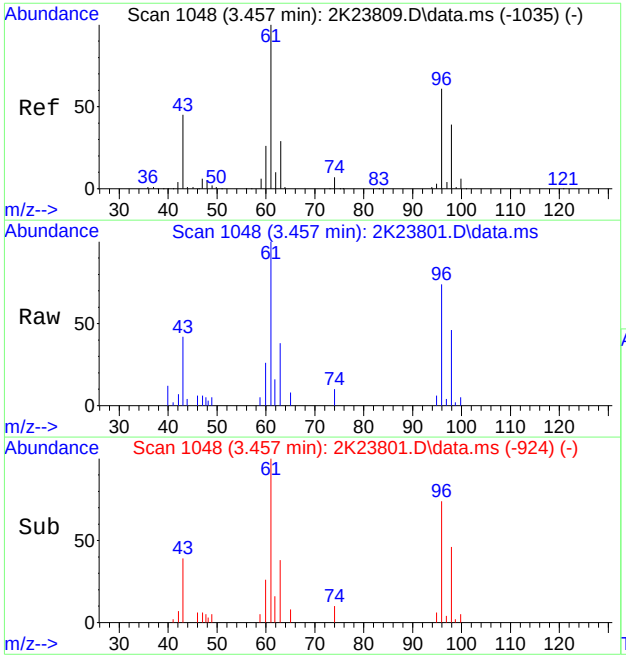


#24
methyl tert butyl ether
Concen: 1.92 ug/L
RT: 3.511 min Scan# 1065
Delta R.T. -0.007 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 73 Resp: 35033

Ion	Ratio	Lower	Upper
73	100		
57	67.8	23.8	83.8
43	52.0	11.7	71.7

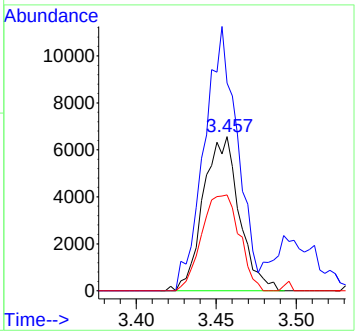


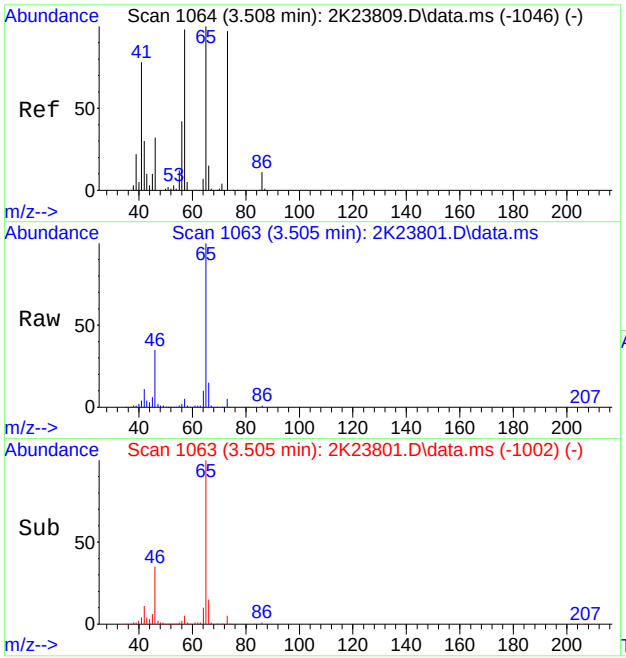


#25
trans-1,2-dichloroethene
Concen: 1.96 ug/L
RT: 3.457 min Scan# 1048
Delta R.T. -0.000 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 96 Resp: 10267

Ion	Ratio	Lower	Upper
96	100		
61	134.7	132.8	192.8
98	62.2	34.2	94.2

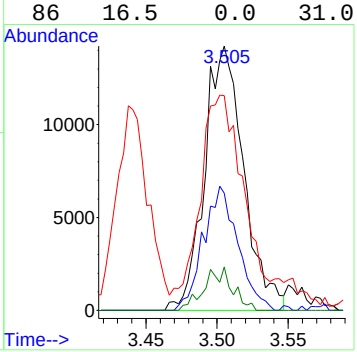


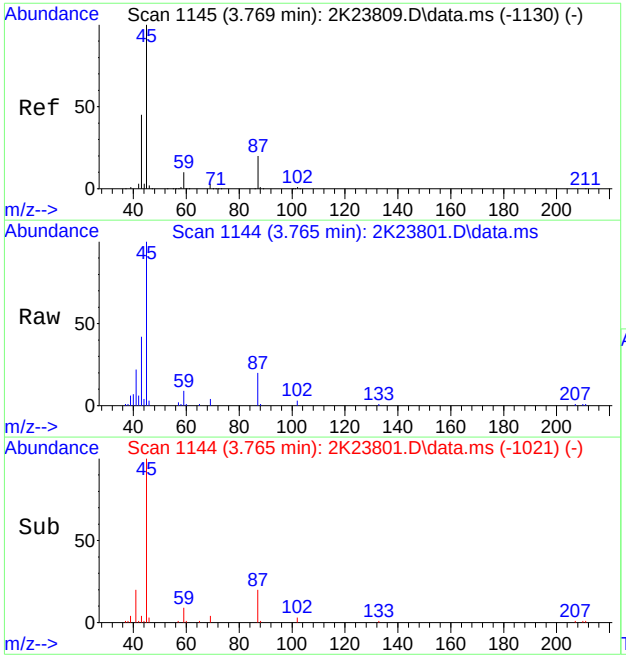


#26
hexane
Concen: 1.90 ug/L
RT: 3.505 min Scan# 1063
Delta R.T. -0.003 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 57 Resp: 27248

Ion	Ratio	Lower	Upper
57	100		
56	44.4	22.5	62.5
43	70.7	45.1	85.1
86	16.5	0.0	31.0

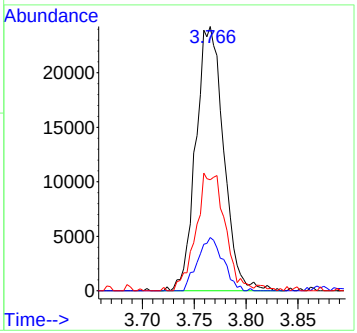


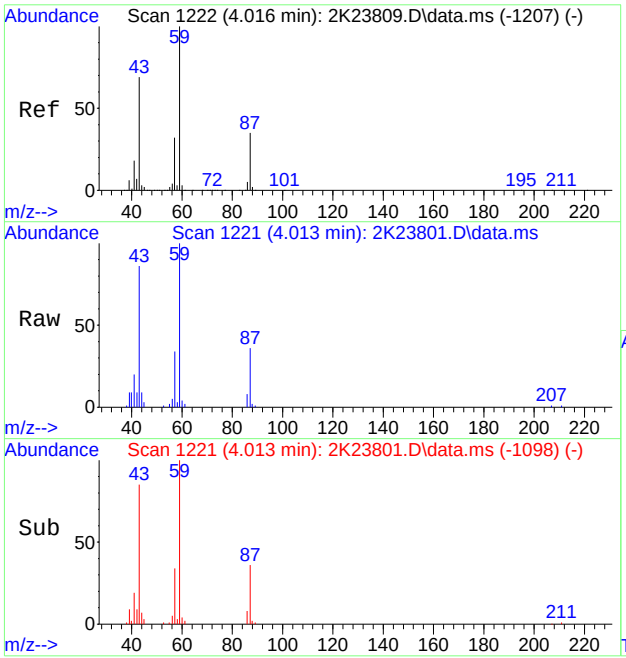


#27
di-isopropyl ether
Concen: 1.96 ug/L
RT: 3.765 min Scan# 1144
Delta R.T. -0.003 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 45 Resp: 45172

Ion	Ratio	Lower	Upper
45	100		
87	20.2	0.0	49.8
43	42.0	15.4	75.4

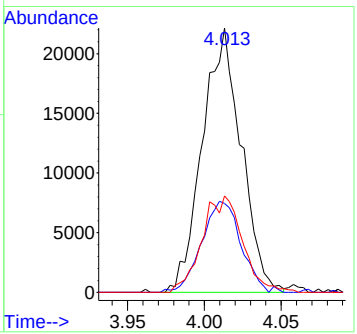


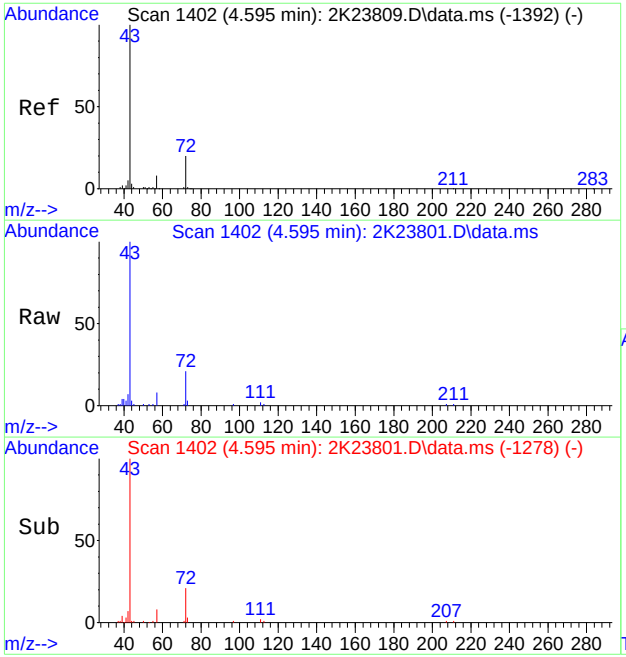


#28
ethyl tert-butyl ether
Concen: 1.90 ug/L
RT: 4.013 min Scan# 1221
Delta R.T. -0.003 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 59 Resp: 38975

Ion	Ratio	Lower	Upper
59	100		
57	33.6	1.6	61.6
87	36.5	5.2	65.2

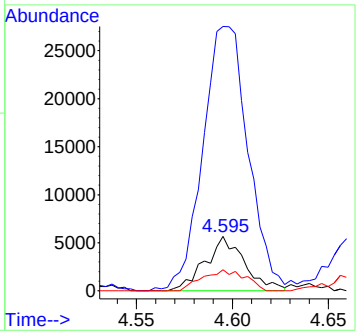


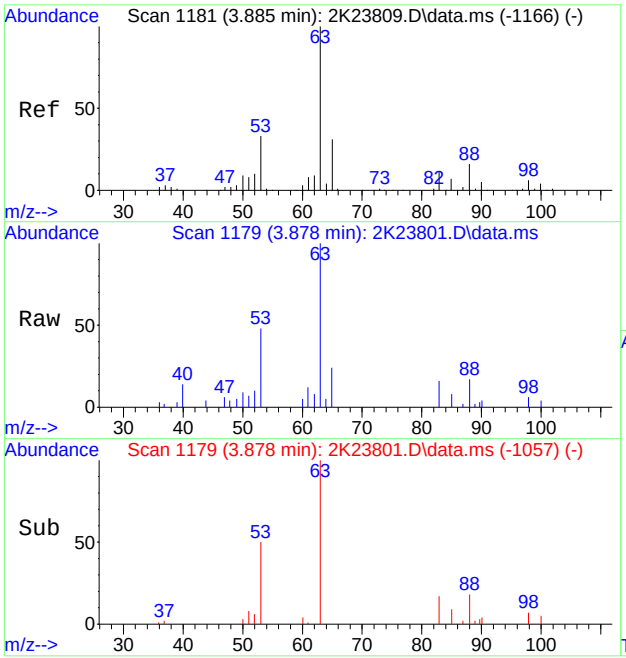


#29
2-butanone
Concen: 6.69 ug/L
RT: 4.595 min Scan# 1402
Delta R.T. -0.000 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 72 Resp: 8066

Ion	Ratio	Lower	Upper
72	100		
43	481.6	461.8	521.8
57	38.7	7.0	67.0

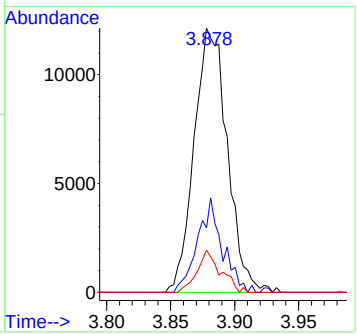


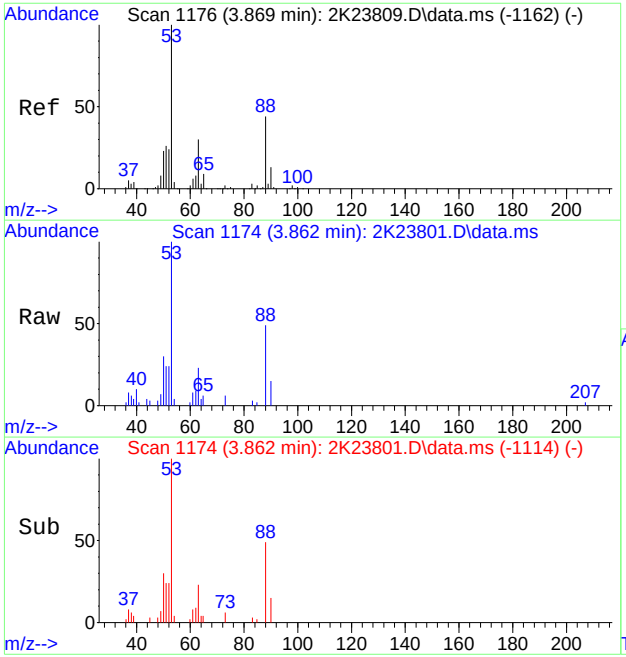


#30
1,1-dichloroethane
Concen: 2.07 ug/L
RT: 3.878 min Scan# 1179
Delta R.T. -0.007 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 63 Resp: 21969

Ion	Ratio	Lower	Upper
63	100		
65	24.4	0.5	60.5
83	16.0	0.0	41.0

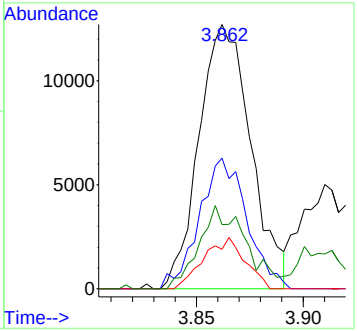


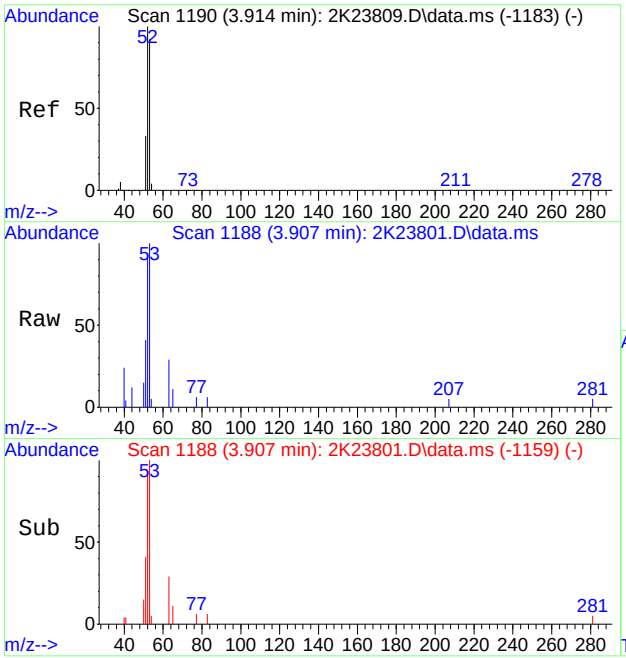


#31
chloroprene
Concen: 1.86 ug/L
RT: 3.862 min Scan# 1174
Delta R.T. -0.007 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 53 Resp: 21488

Ion	Ratio	Lower	Upper
53	100		
88	49.5	14.2	74.2
90	15.0	0.0	42.9
51	24.3	0.0	55.9

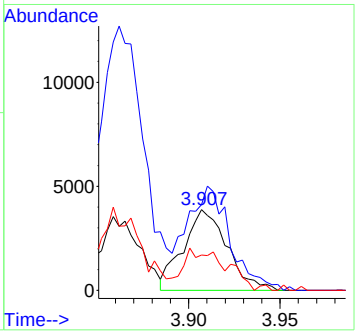


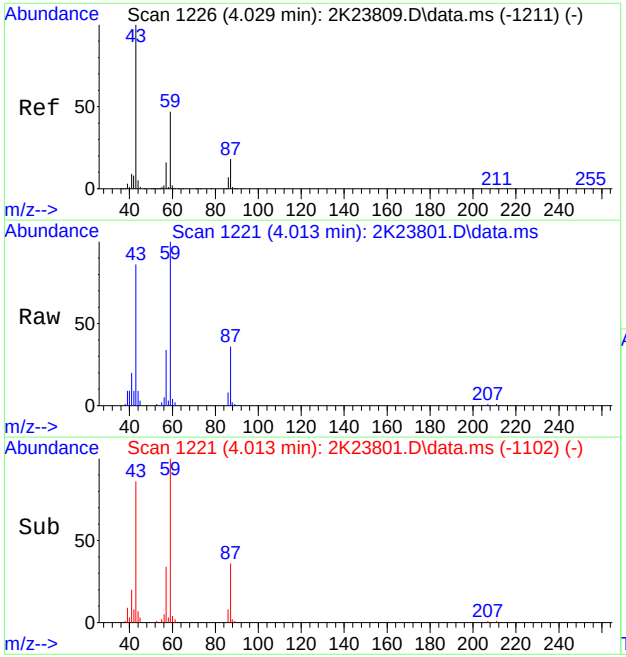


#32
acrylonitrile
Concen: 1.91 ug/L
RT: 3.907 min Scan# 1188
Delta R.T. -0.007 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 52 Resp: 6537

Ion	Ratio	Lower	Upper
52	100		
53	106.4	92.5	152.5
51	37.3	9.1	69.1

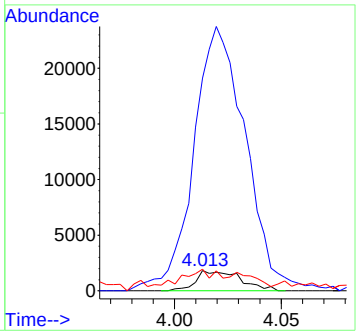


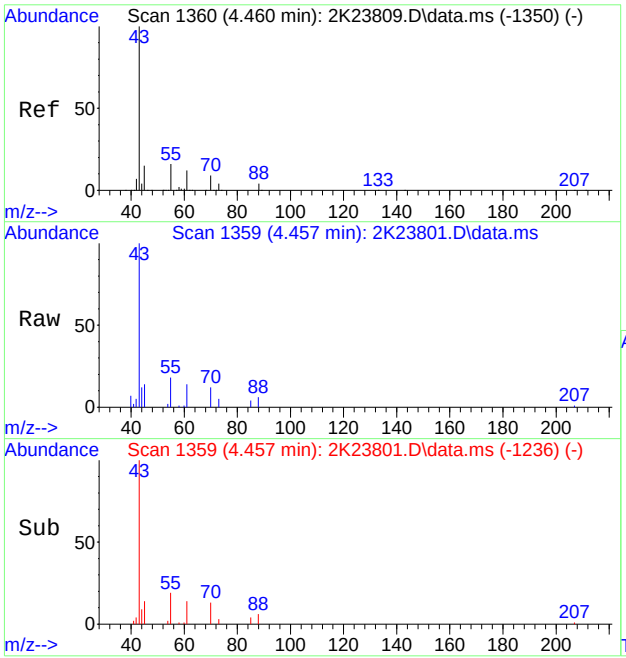


#33
vinyl acetate
Concen: 1.82 ug/L
RT: 4.013 min Scan# 1221
Delta R.T. -0.016 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 86 Resp: 2609

Ion	Ratio	Lower	Upper
86	100		
43	991.3	1321.8	1381.8#
44	78.4	32.5	92.5

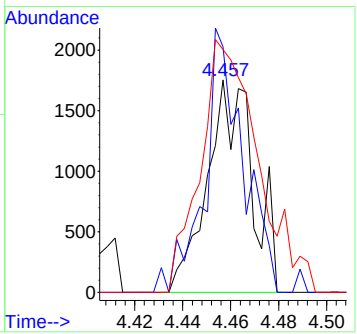


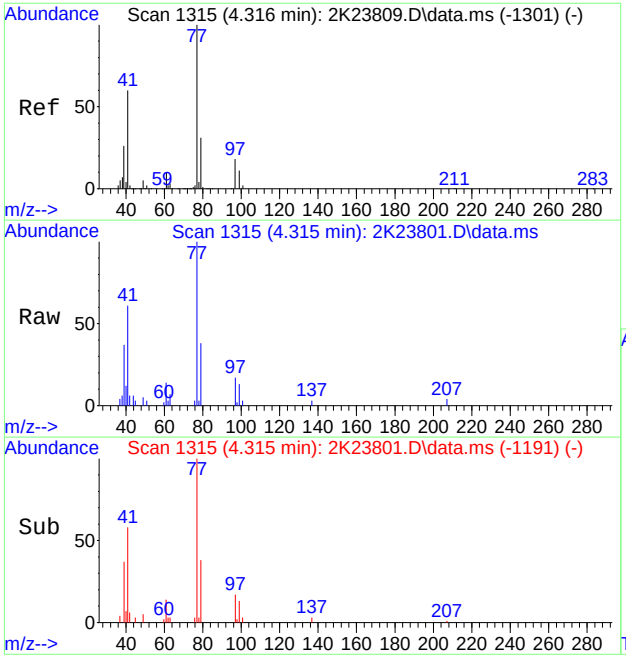


#34
ethyl acetate
Concen: 2.44 ug/L
RT: 4.457 min Scan# 1359
Delta R.T. -0.003 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 70 Resp: 2284

Ion	Ratio	Lower	Upper
70	100		
61	115.6	105.6	165.6
45	114.2	135.3	195.3#

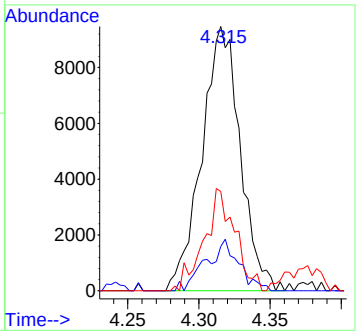


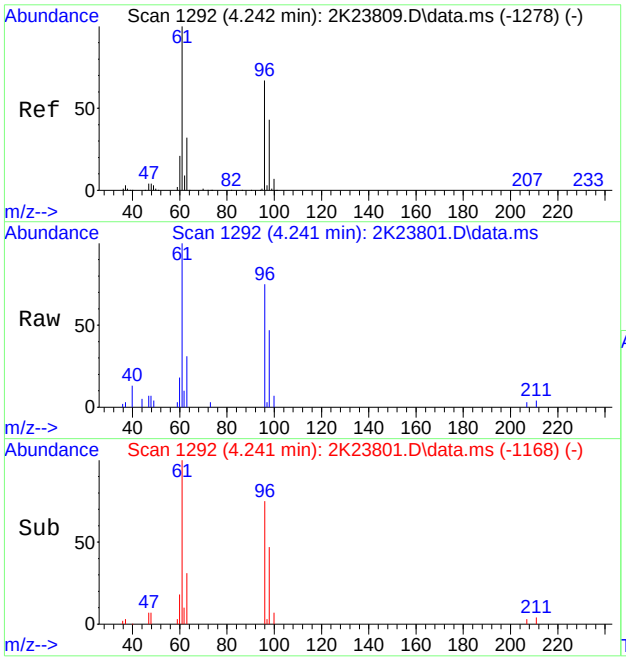


#35
2,2-dichloropropane
Concen: 2.12 ug/L
RT: 4.315 min Scan# 1315
Delta R.T. -0.000 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 77 Resp: 17840

Ion	Ratio	Lower	Upper
77	100		
97	16.8	0.0	47.7
79	37.6	0.6	60.6

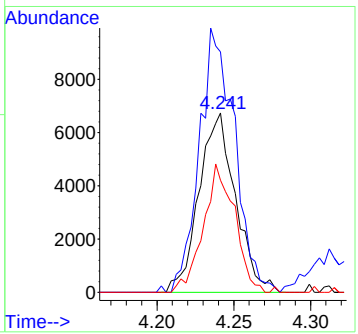


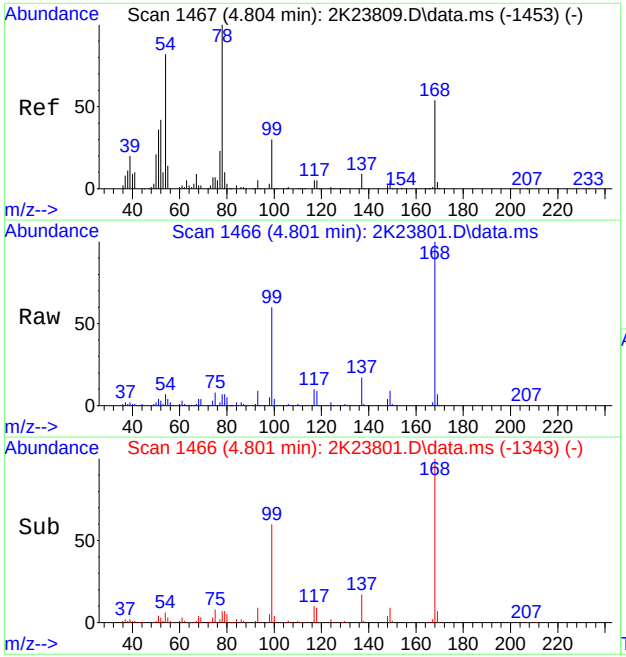


#36
cis-1,2-dichloroethene
Concen: 2.00 ug/L
RT: 4.241 min Scan# 1292
Delta R.T. -0.000 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 96 Resp: 11160

Ion	Ratio	Lower	Upper
96	100		
61	130.8	118.2	178.2
98	62.6	34.3	94.3

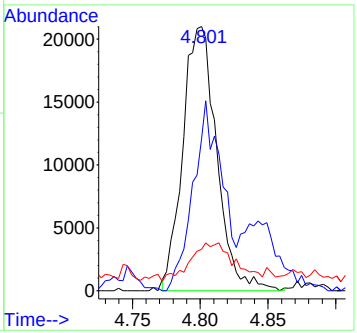


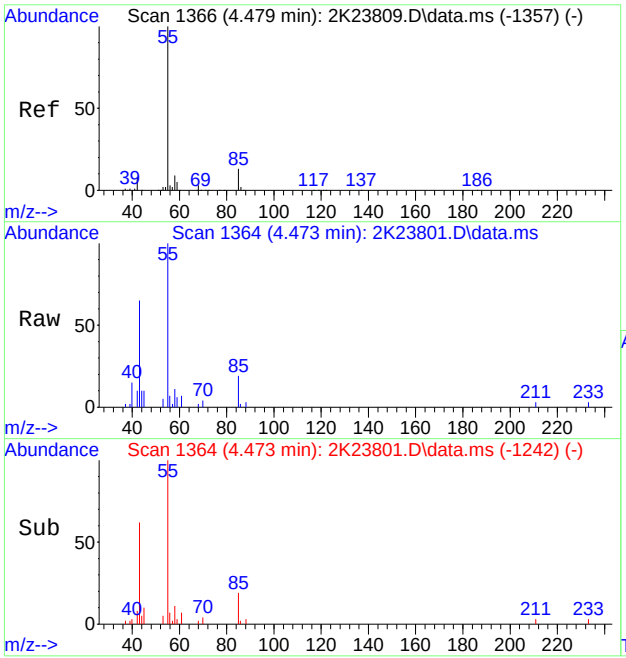


#37
propionitrile
Concen: 20.08 ug/L m
RT: 4.801 min Scan# 1466
Delta R.T. -0.003 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 54 Resp: 36518

Ion	Ratio	Lower	Upper
54	100		
55	57.4	0.0	48.6#
40	15.7	0.0	41.7

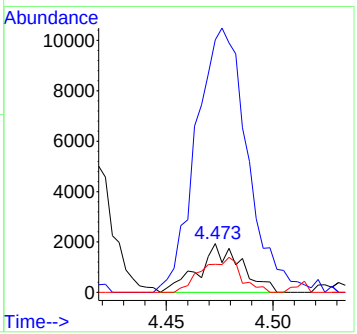


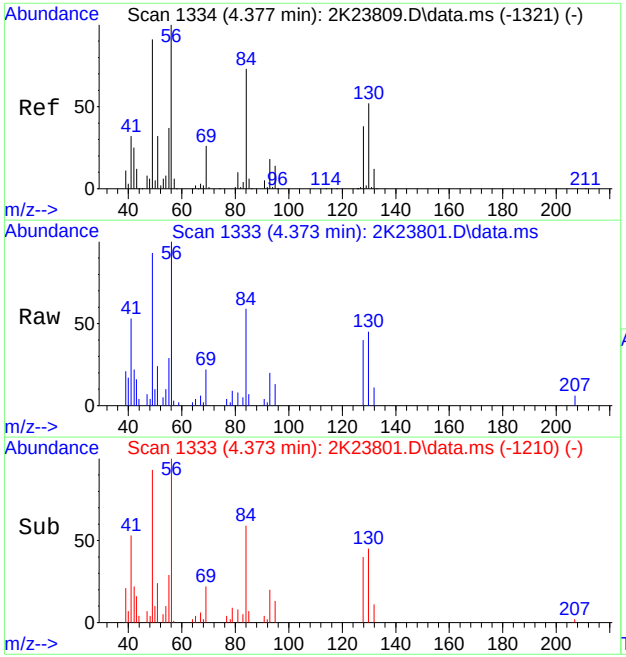


#38
methyl acrylate
Concen: 2.02 ug/L
RT: 4.473 min Scan# 1364
Delta R.T. -0.007 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 85 Resp: 2669

Ion	Ratio	Lower	Upper
85	100		
55	502.9	726.6	766.6#
58	57.6	49.4	89.4

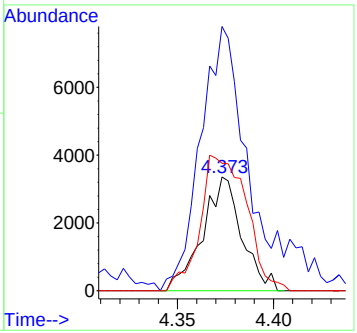


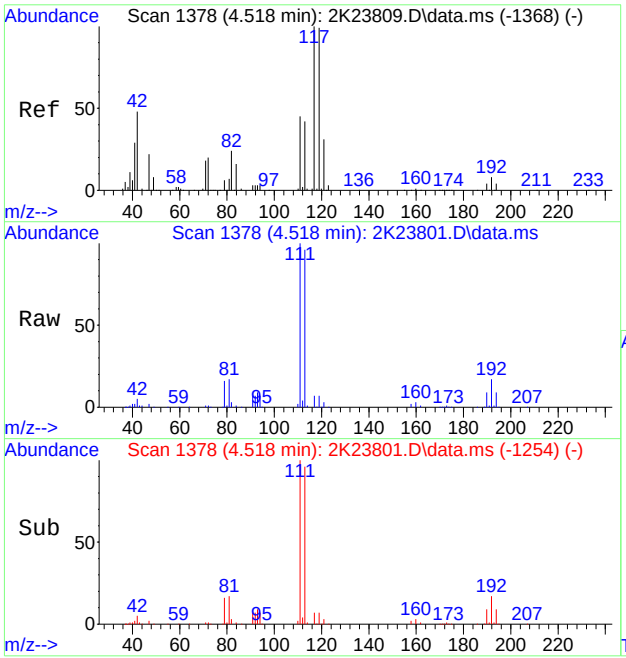


#39
bromochloromethane
Concen: 2.02 ug/L
RT: 4.373 min Scan# 1333
Delta R.T. -0.003 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion:128 Resp: 4792

Ion	Ratio	Lower	Upper
128	100		
49	232.4	213.9	273.9
130	112.0	107.4	167.4

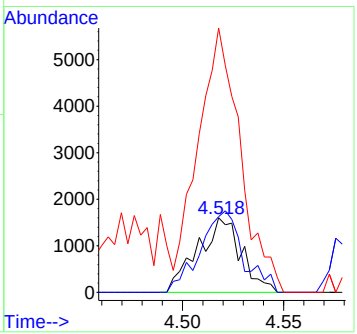


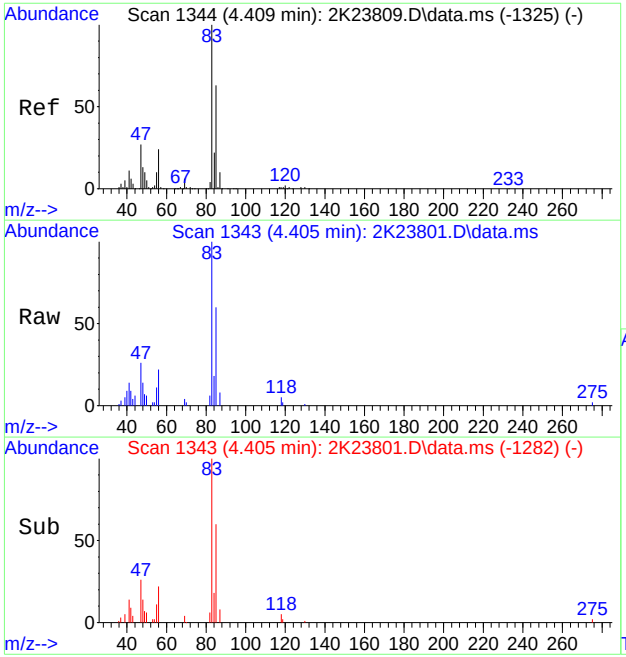


#40
tetrahydrofuran
Concen: 1.99 ug/L
RT: 4.518 min Scan# 1378
Delta R.T. -0.000 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 71 Resp: 2414

Ion	Ratio	Lower	Upper
71	100		
72	101.7	75.2	135.2
42	355.0	288.0	348.0#

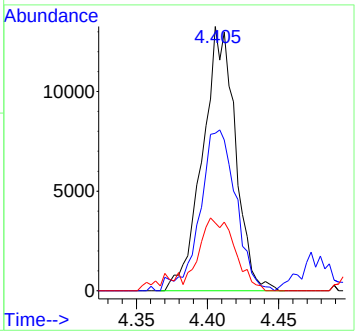


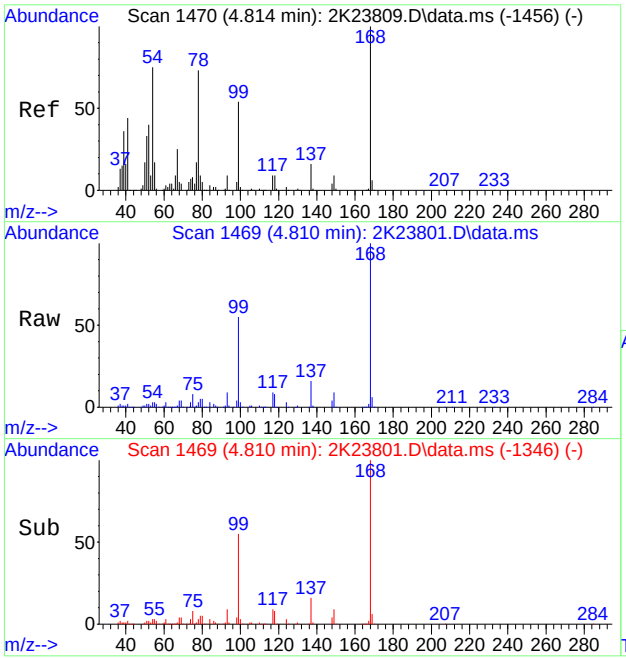


#41
chloroform
Concen: 2.02 ug/L
RT: 4.405 min Scan# 1343
Delta R.T. -0.003 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 83 Resp: 21339

Ion	Ratio	Lower	Upper
83	100		
85	59.5	33.0	93.0
47	25.6	0.0	56.9

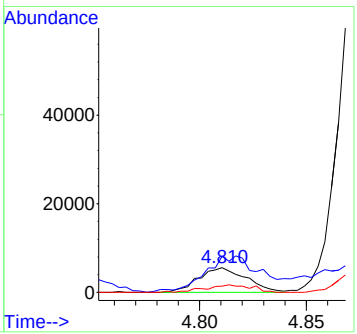


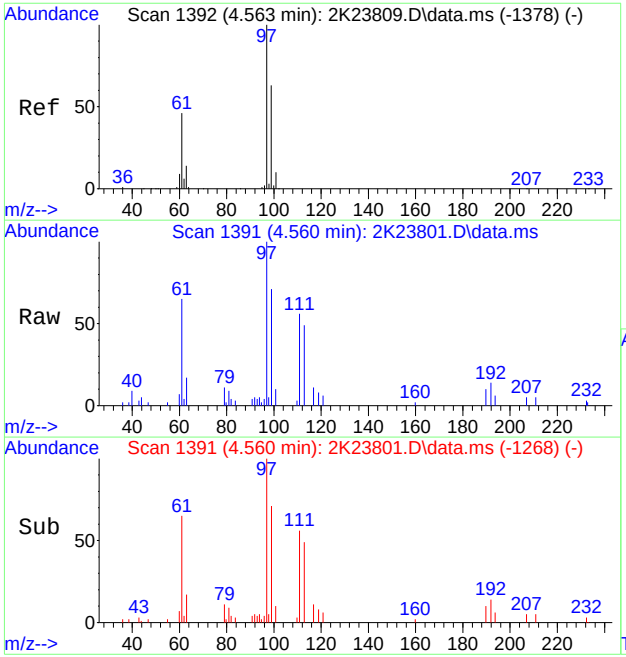


#43
methacrylonitrile
Concen: 2.53 ug/L
RT: 4.810 min Scan# 1469
Delta R.T. -0.003 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 67 Resp: 8683

Ion	Ratio	Lower	Upper
67	100		
41	133.9	145.5	205.5#
66	25.3	4.7	64.7

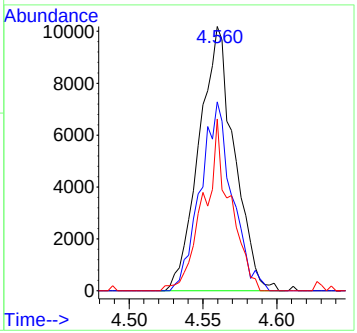


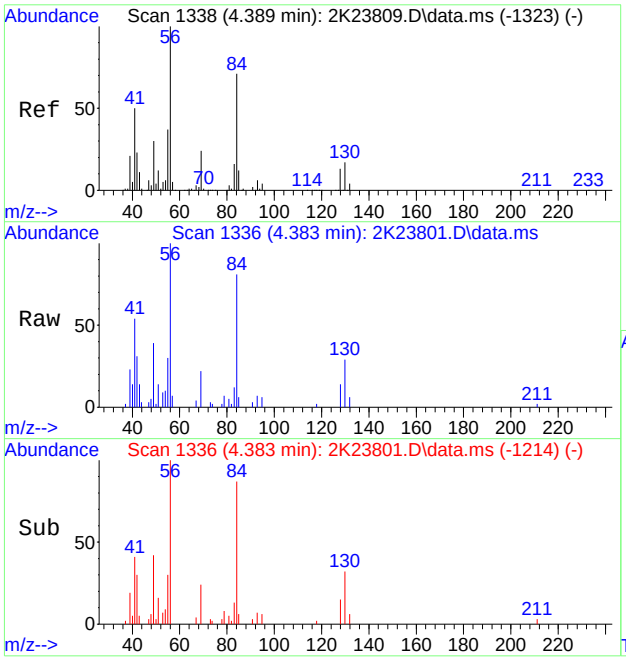


#44
1,1,1-trichloroethane
Concen: 1.93 ug/L
RT: 4.560 min Scan# 1391
Delta R.T. -0.003 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 97 Resp: 16831

Ion	Ratio	Lower	Upper
97	100		
99	71.4	32.8	92.8
61	65.0	16.5	76.5

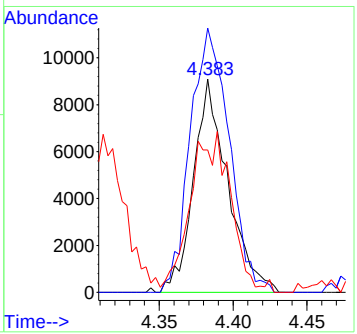


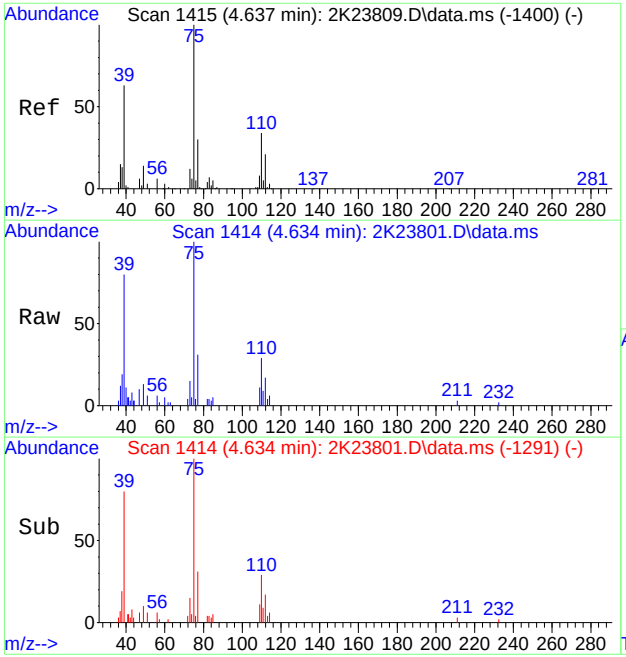


#45
cyclohexane
Concen: 1.92 ug/L
RT: 4.383 min Scan# 1336
Delta R.T. -0.007 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 84 Resp: 14696

Ion	Ratio	Lower	Upper
84	100		
56	124.0	120.0	160.0
41	66.7	58.4	98.4

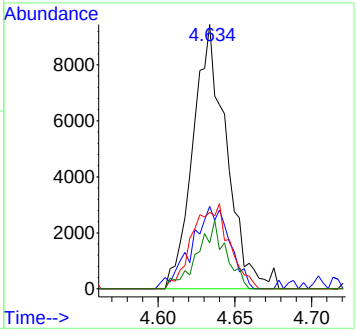


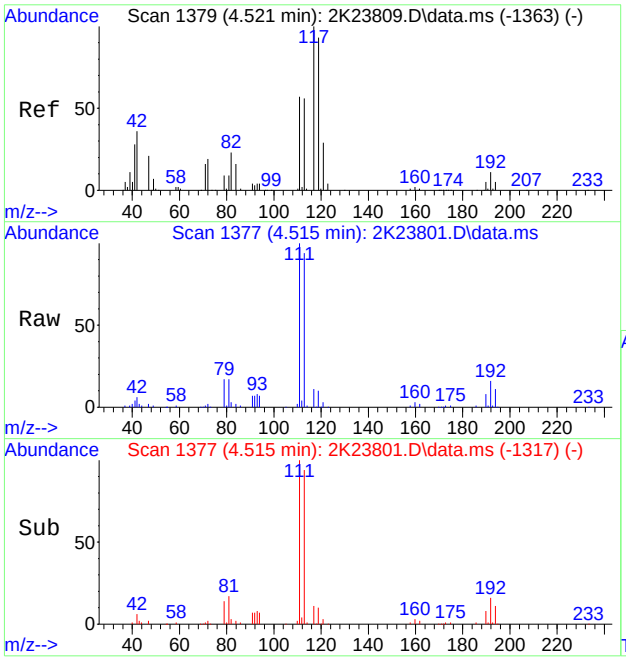


#46
1,1-dichloropropene
Concen: 1.95 ug/L
RT: 4.634 min Scan# 1414
Delta R.T. -0.003 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 75 Resp: 14315

Ion	Ratio	Lower	Upper
75	100		
77	31.1	10.5	50.5
110	28.9	14.4	54.4
112	17.3	0.7	40.7

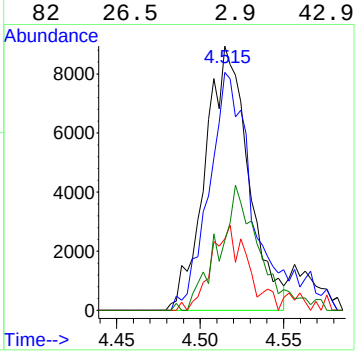


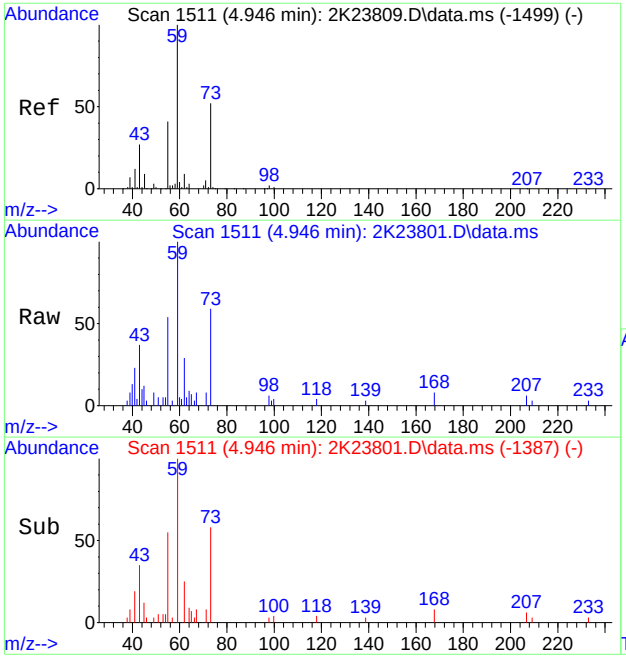


#47
carbon tetrachloride
Concen: 2.02 ug/L
RT: 4.515 min Scan# 1377
Delta R.T. -0.007 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion:117 Resp: 16172

Ion	Ratio	Lower	Upper
117	100		
119	90.0	72.9	112.9
121	27.1	9.2	49.2
82	26.5	2.9	42.9

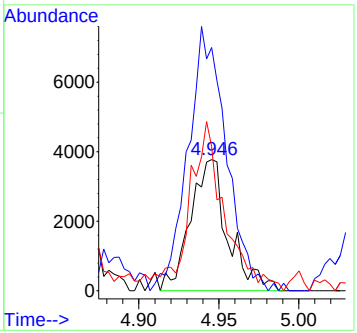


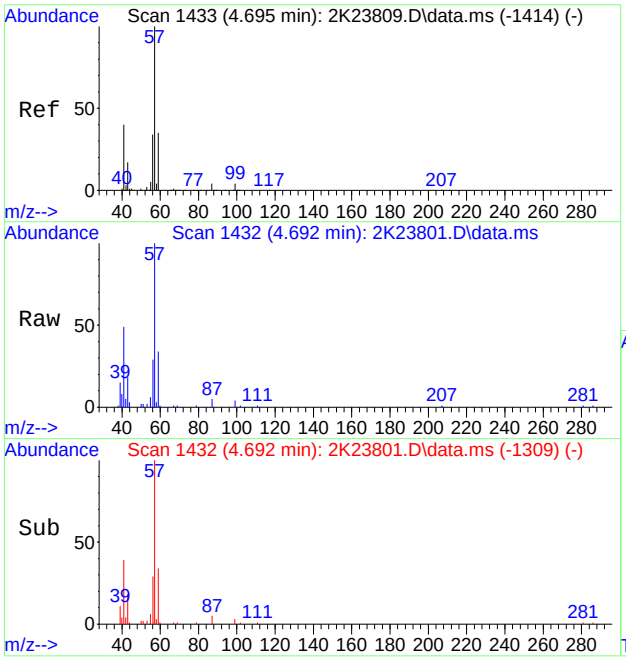


#49
tert-amyl alcohol
Concen: 10.92 ug/L
RT: 4.946 min Scan# 1511
Delta R.T. -0.000 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 55 Resp: 6216

Ion	Ratio	Lower	Upper
55	100		
59	179.4	218.4	258.4#
73	109.6	106.6	146.6

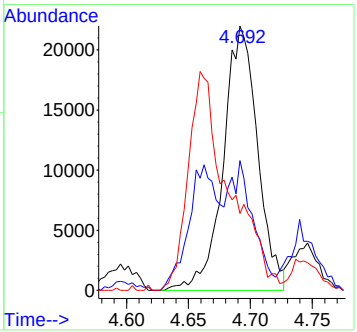


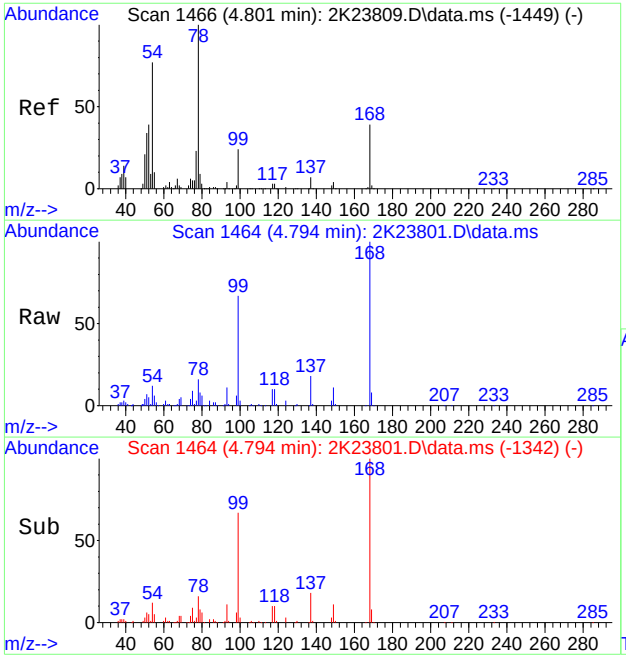


#52
iso-octane
Concen: 2.03 ug/L
RT: 4.692 min Scan# 1432
Delta R.T. -0.003 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 57 Resp: 42221

Ion	Ratio	Lower	Upper
57	100		
41	49.1	19.7	59.7
56	29.1	14.3	54.3

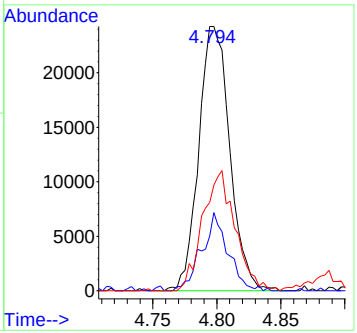


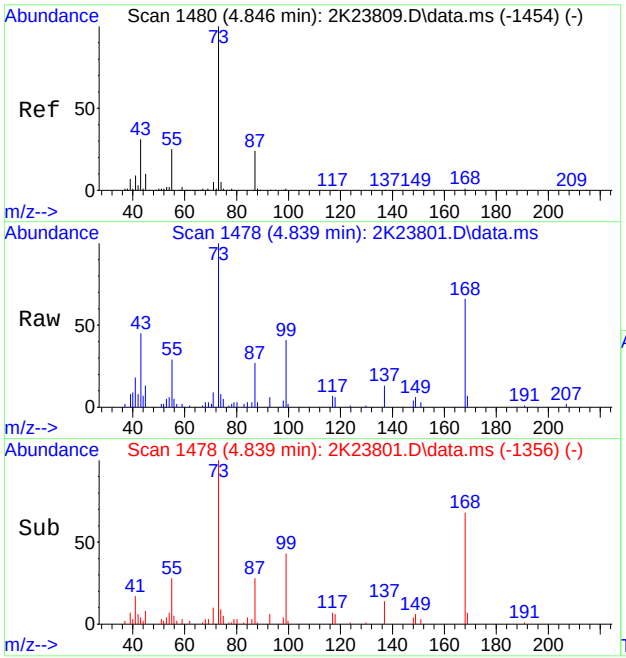


#53
benzene
Concen: 1.94 ug/L
RT: 4.794 min Scan# 1464
Delta R.T. -0.007 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 78 Resp: 41012

Ion	Ratio	Lower	Upper
78	100		
77	20.7	0.0	53.5
52	33.4	8.9	68.9

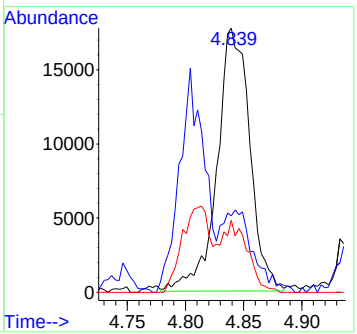


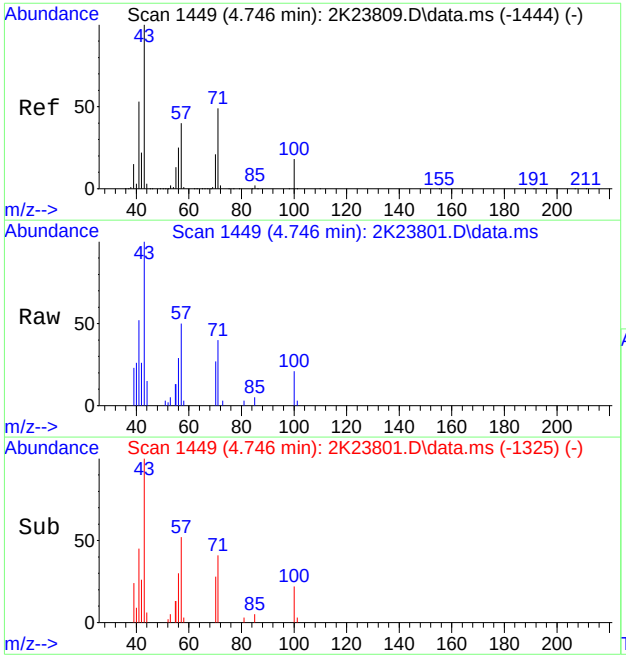


#54
tert-amyl methyl ether
Concen: 1.89 ug/L
RT: 4.839 min Scan# 1478
Delta R.T. -0.007 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 73 Resp: 34718

Ion	Ratio	Lower	Upper
73	100		
55	26.6	6.1	46.1
87	27.6	4.3	44.3

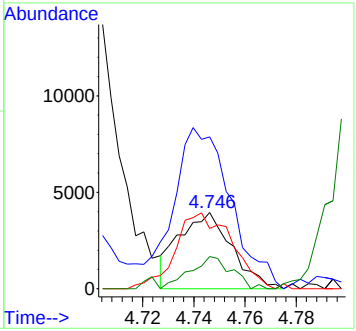


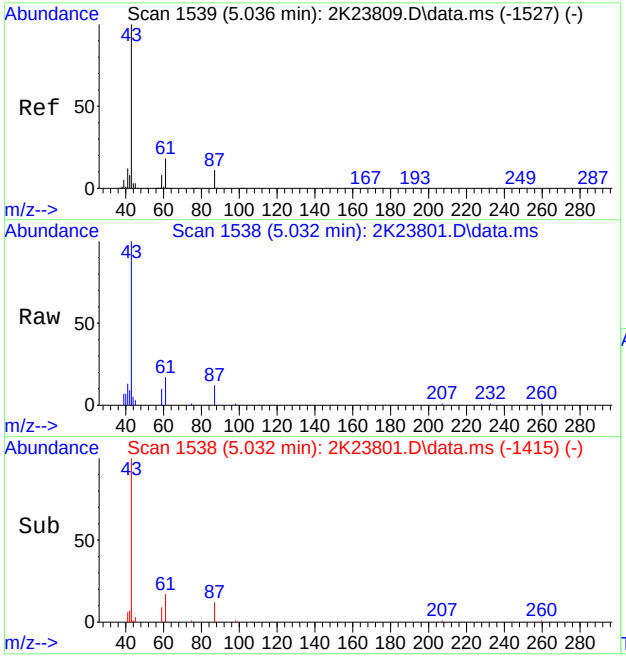


#55
heptane
Concen: 1.88 ug/L
RT: 4.746 min Scan# 1449
Delta R.T. -0.000 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 57 Resp: 5694

Ion	Ratio	Lower	Upper
57	100		
43	199.0	171.2	231.2
71	72.2	63.1	123.1
100	42.2	0.0	55.4

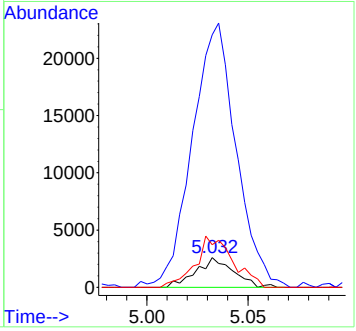


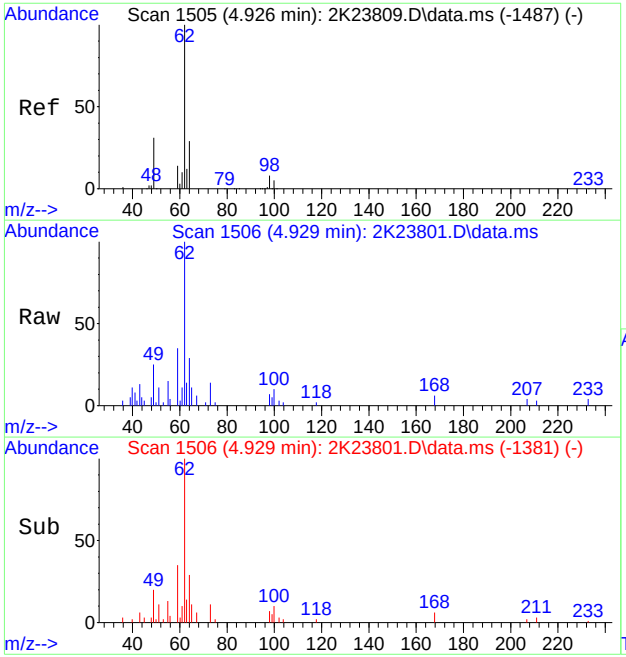


#56
isopropyl acetate
Concen: 1.92 ug/L
RT: 5.032 min Scan# 1538
Delta R.T. -0.003 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 87 Resp: 3365

Ion	Ratio	Lower	Upper
87	100		
43	835.2	917.6	977.6#
61	143.5	137.7	197.7

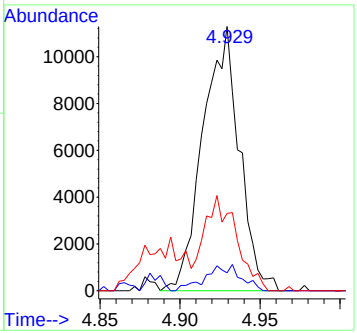


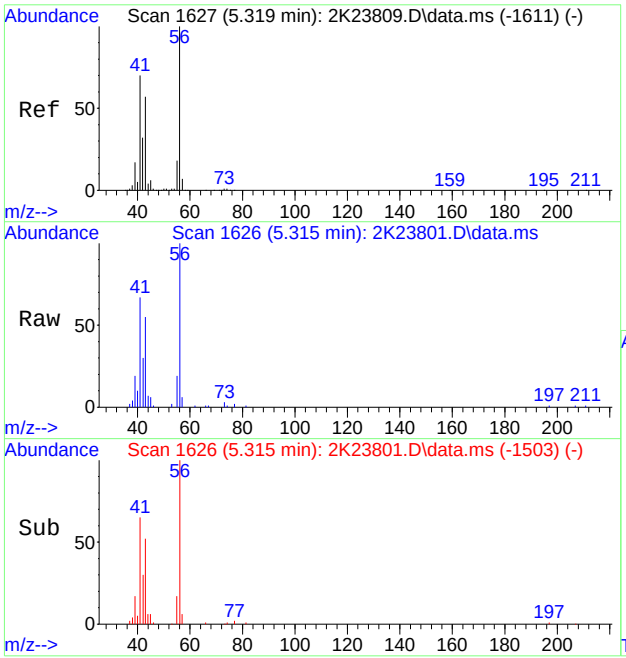


#57
1,2-dichloroethane
Concen: 2.06 ug/L
RT: 4.929 min Scan# 1506
Delta R.T. 0.003 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 62 Resp: 17865

Ion	Ratio	Lower	Upper
62	100		
98	6.8	0.0	38.3
64	29.3	0.0	59.6

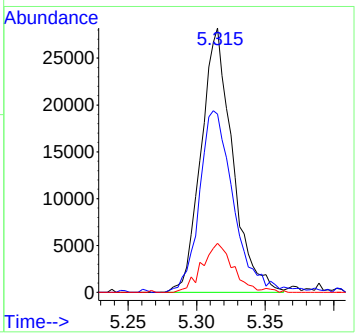


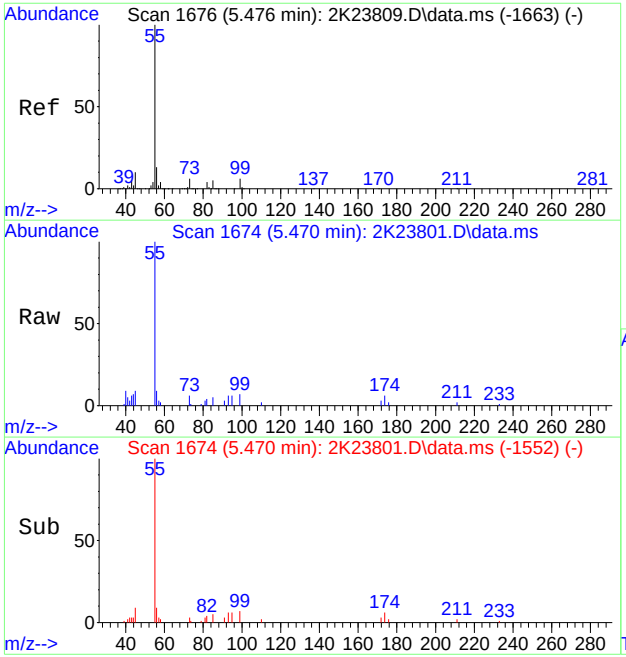


#58
n-butyl alcohol
Concen: 96.68 ug/L
RT: 5.315 min Scan# 1626
Delta R.T. -0.003 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 56 Resp: 44906

Ion	Ratio	Lower	Upper
56	100		
41	67.5	50.4	90.4
55	18.6	0.0	37.7

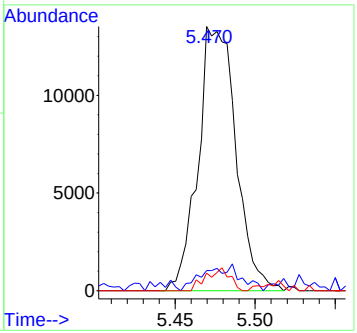


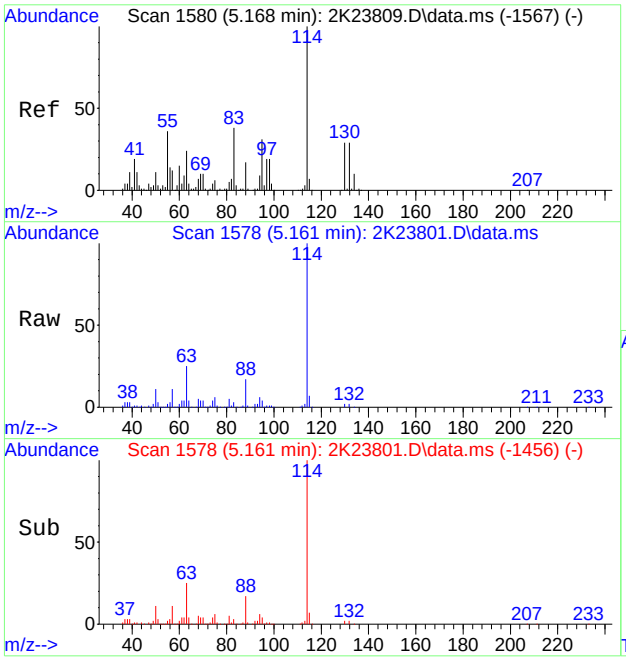


#59
ethyl acrylate
Concen: 1.94 ug/L
RT: 5.470 min Scan# 1674
Delta R.T. -0.007 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 55 Resp: 22216

Ion	Ratio	Lower	Upper
55	100		
73	4.4	0.0	36.2
99	6.7	0.0	36.0

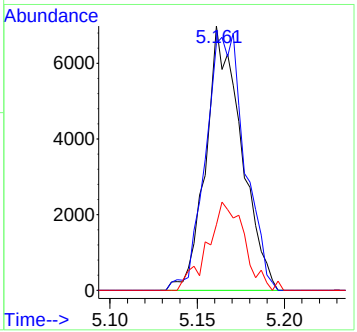


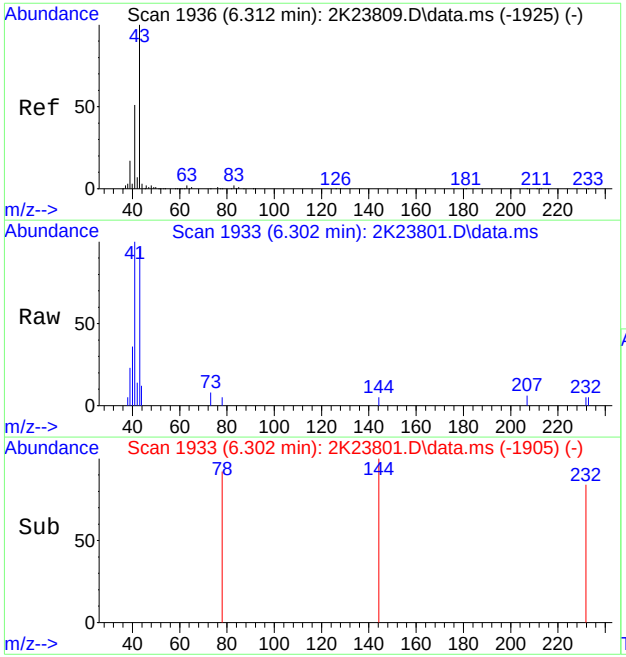


#60
trichloroethene
Concen: 1.97 ug/L
RT: 5.161 min Scan# 1578
Delta R.T. -0.007 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion:130 Resp: 9903

Ion	Ratio	Lower	Upper
130	100		
132	93.4	70.8	130.8
134	24.8	4.2	64.2

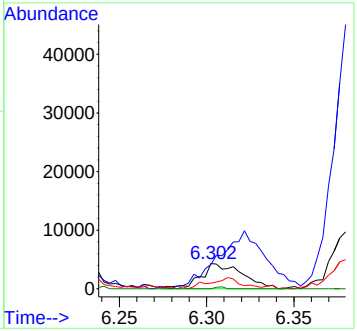


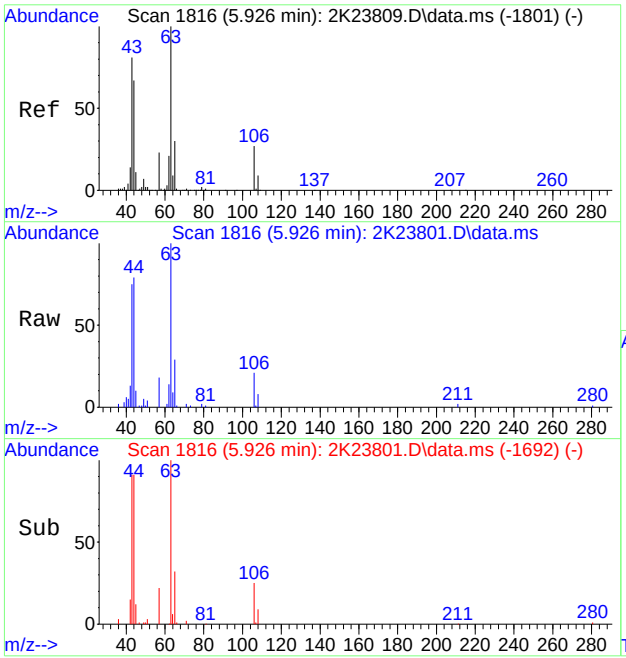


#61
2-nitropropane
Concen: 2.54 ug/L
RT: 6.302 min Scan# 1933
Delta R.T. -0.010 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 41 Resp: 7251

Ion	Ratio	Lower	Upper
41	100		
43	85.5	163.8	223.8#
39	18.3	4.1	64.1
46	0.0	0.0	33.5

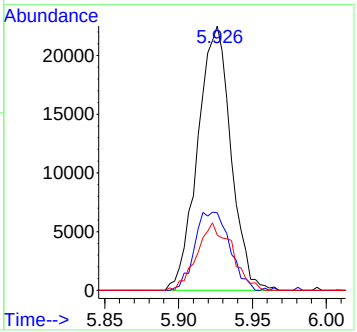


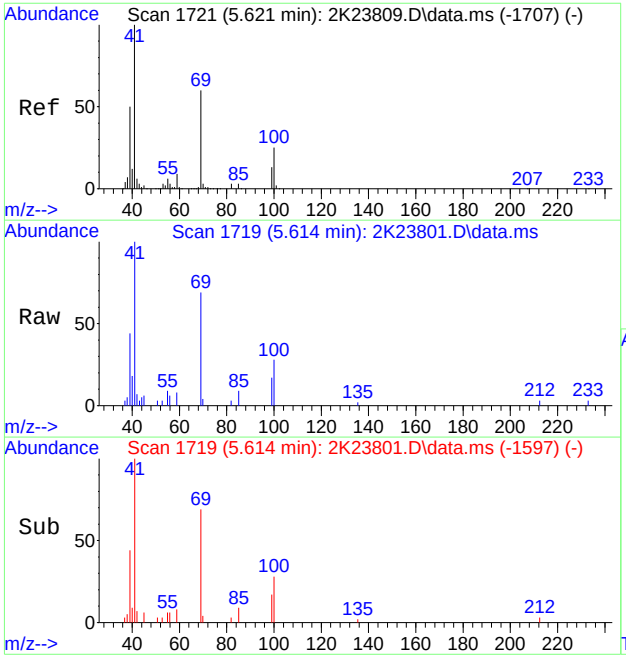


#62
2-chloroethyl vinyl ether
Concen: 9.60 ug/L
RT: 5.926 min Scan# 1816
Delta R.T. -0.000 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 63 Resp: 35219

Ion	Ratio	Lower	Upper
63	100		
65	29.3	0.3	60.3
106	20.9	0.0	57.1

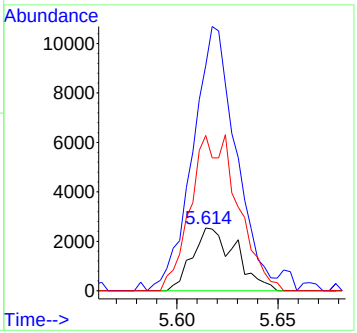


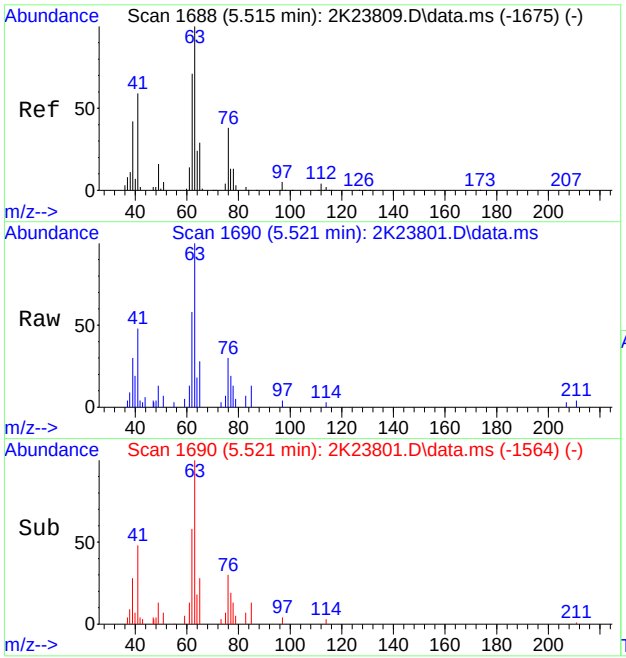


#63
methyl methacrylate
Concen: 1.89 ug/L
RT: 5.614 min Scan# 1719
Delta R.T. -0.007 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion:100 Resp: 3840

Ion	Ratio	Lower	Upper
100	100		
41	341.9	374.3	434.3#
69	247.0	214.3	274.3

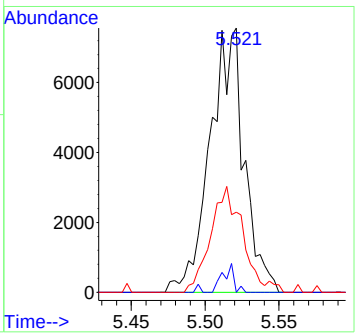


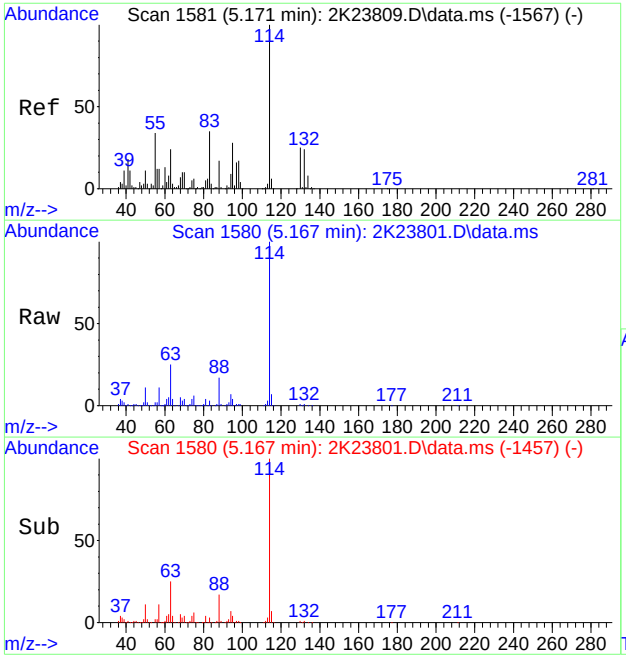


#64
1,2-dichloropropane
Concen: 2.05 ug/L
RT: 5.521 min Scan# 1690
Delta R.T. 0.006 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 63 Resp: 12144

Ion	Ratio	Lower	Upper
63	100		
112	0.0	0.0	33.7
76	30.3	7.9	67.9

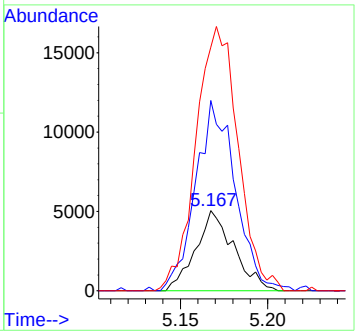


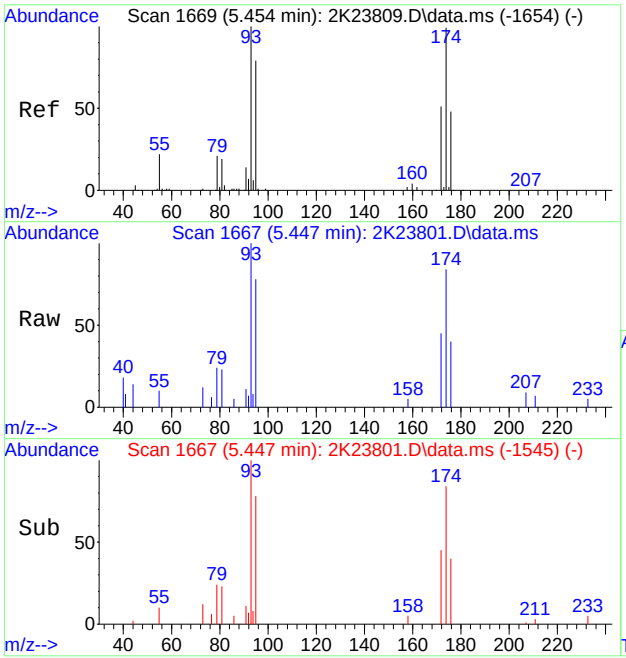


#65
methylcyclohexane
Concen: 2.11 ug/L
RT: 5.167 min Scan# 1580
Delta R.T. -0.003 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 98 Resp: 7664

Ion	Ratio	Lower	Upper
98	100		
55	237.8	173.8	233.8#
83	304.1	181.7	241.7#

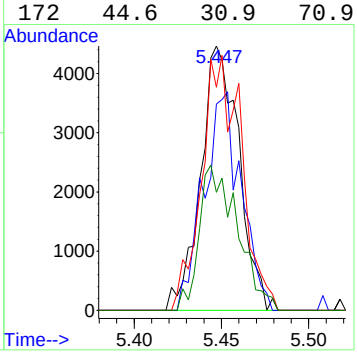


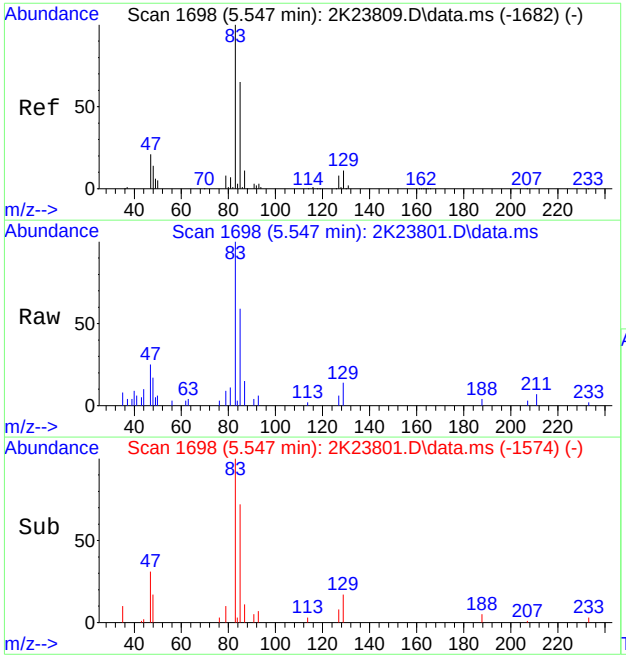


#66
dibromomethane
Concen: 2.10 ug/L
RT: 5.447 min Scan# 1667
Delta R.T. -0.007 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 93 Resp: 6810

Ion	Ratio	Lower	Upper
93	100		
95	78.0	49.5	109.5
174	84.4	68.7	128.7
172	44.6	30.9	70.9

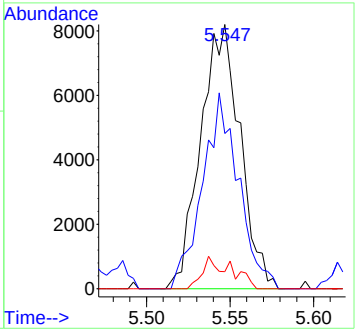


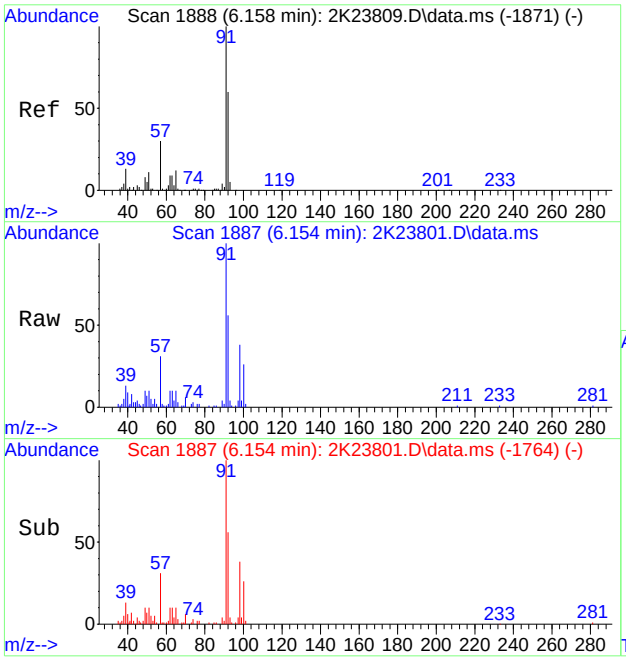


#67
bromodichloromethane
Concen: 1.94 ug/L
RT: 5.547 min Scan# 1698
Delta R.T. -0.000 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 83 Resp: 13511

Ion	Ratio	Lower	Upper
83	100		
85	58.7	36.5	96.5
127	6.5	0.0	37.8

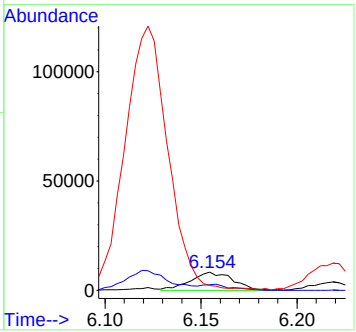


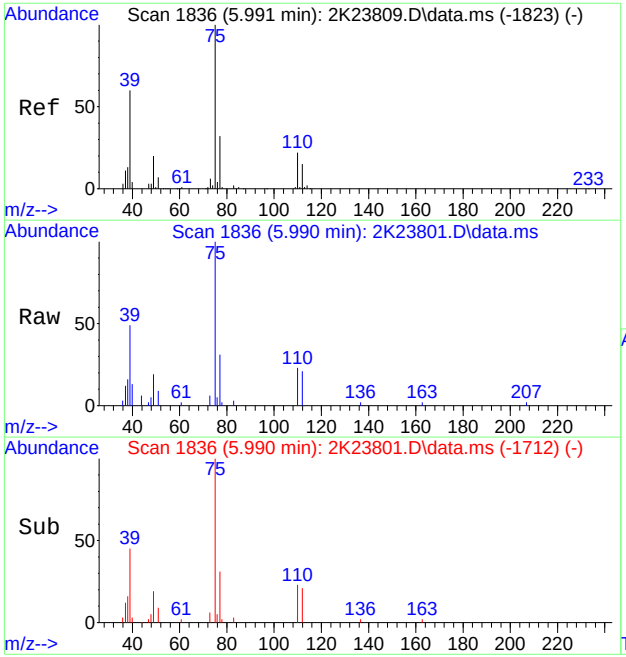


#68
epichlorohydrin
Concen: 10.05 ug/L
RT: 6.154 min Scan# 1887
Delta R.T. -0.003 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 57 Resp: 12994

Ion	Ratio	Lower	Upper
57	100		
49	32.0	7.1	47.1
42	16.2	0.0	27.5

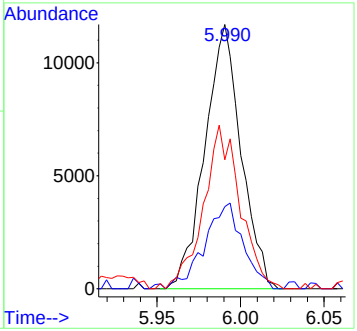


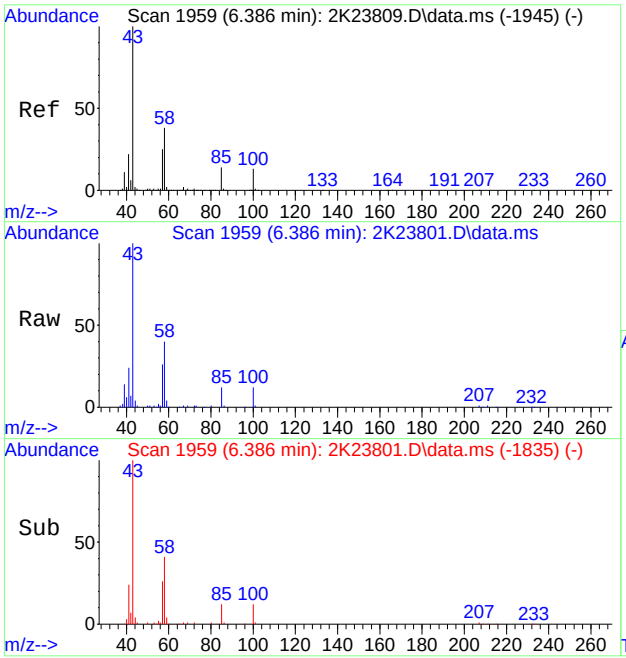


#69
cis-1,3-dichloropropene
Concen: 1.97 ug/L
RT: 5.990 min Scan# 1836
Delta R.T. -0.000 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 75 Resp: 17651

Ion	Ratio	Lower	Upper
75	100		
77	31.1	2.1	62.1
39	48.7	30.1	90.1

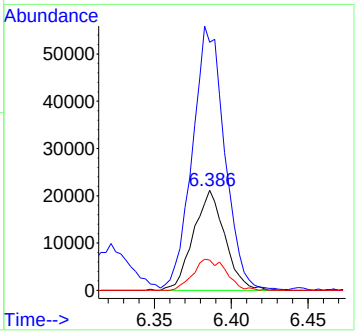


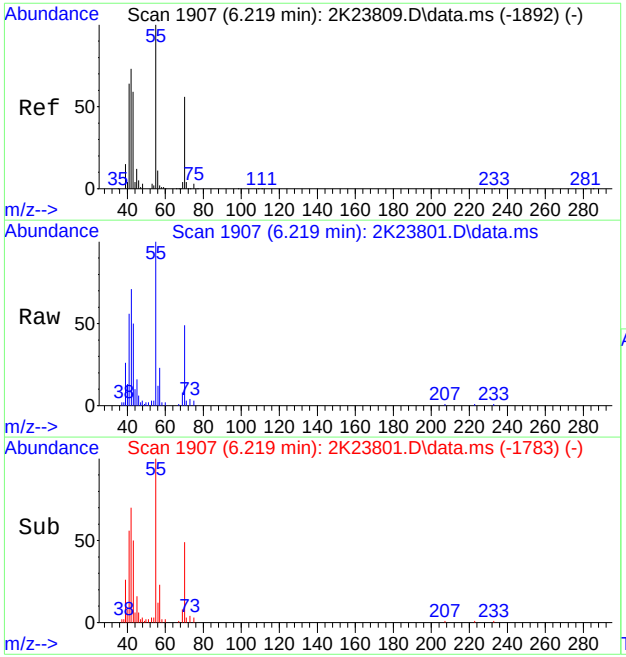


#70
4-methyl-2-pentanone
Concen: 7.94 ug/L
RT: 6.386 min Scan# 1959
Delta R.T. -0.000 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 58 Resp: 30172

Ion	Ratio	Lower	Upper
58	100		
43	246.5	244.4	304.4
100	30.2	4.8	64.8

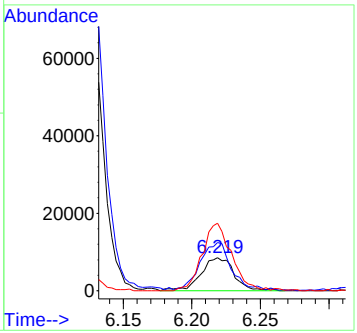


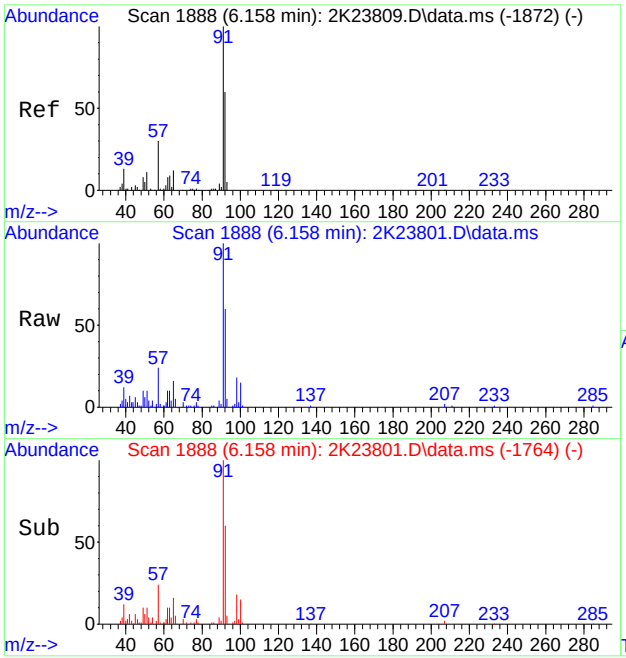


#71
3-methyl-1-butanol
Concen: 38.83 ug/L
RT: 6.219 min Scan# 1907
Delta R.T. -0.000 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 70 Resp: 14335

Ion	Ratio	Lower	Upper
70	100		
42	142.4	100.5	160.5
55	204.5	148.8	208.8

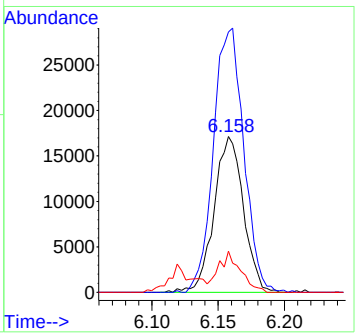


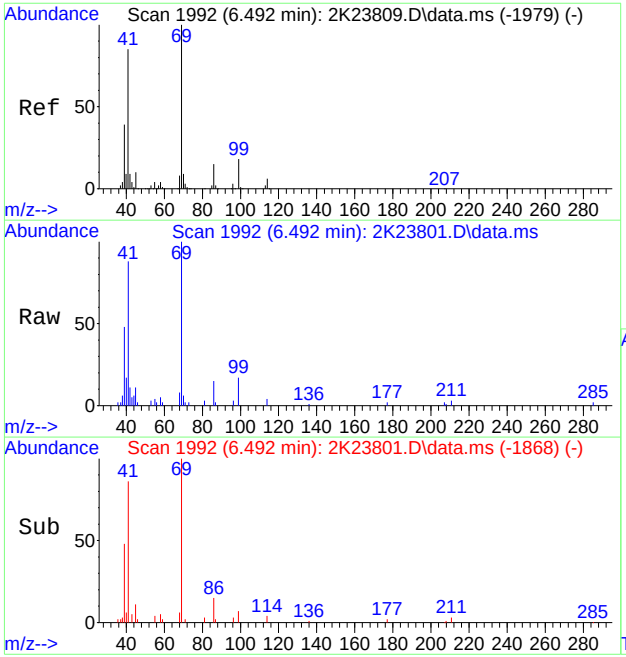


#74
toluene
Concen: 1.92 ug/L
RT: 6.158 min Scan# 1888
Delta R.T. -0.000 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 92 Resp: 26418

Ion	Ratio	Lower	Upper
92	100		
91	167.1	145.9	185.9
65	26.5	0.5	40.5

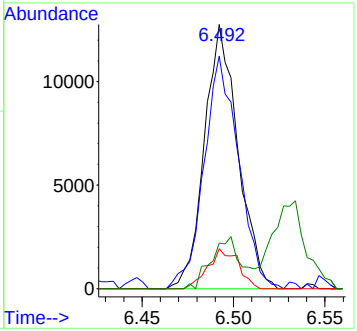


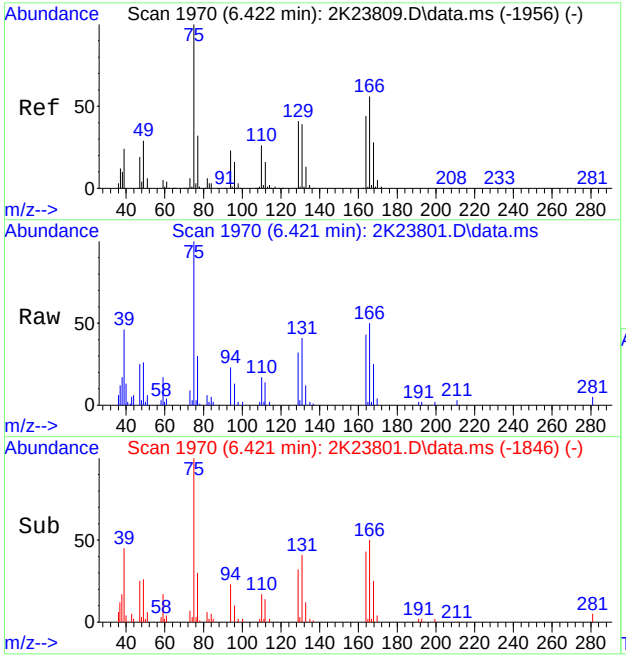


#75
ethyl methacrylate
Concen: 1.94 ug/L
RT: 6.492 min Scan# 1992
Delta R.T. -0.000 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 69 Resp: 16306

Ion	Ratio	Lower	Upper
69	100		
41	87.9	65.3	105.3
86	15.2	0.0	34.6
99	17.3	0.0	38.4

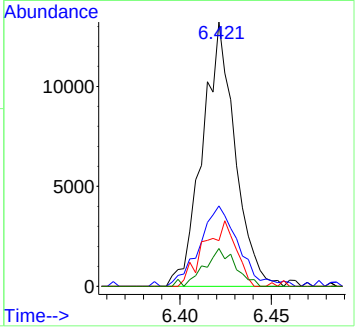


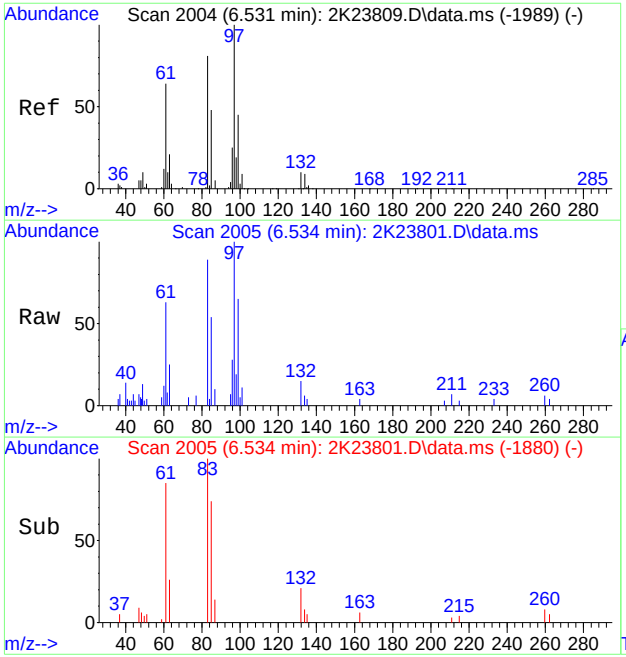


#76
trans-1,3-dichloropropene
Concen: 1.83 ug/L
RT: 6.421 min Scan# 1970
Delta R.T. -0.000 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 75 Resp: 16478

Ion	Ratio	Lower	Upper
75	100		
77	30.4	12.2	52.2
110	17.3	5.7	45.7
112	14.3	0.0	35.9

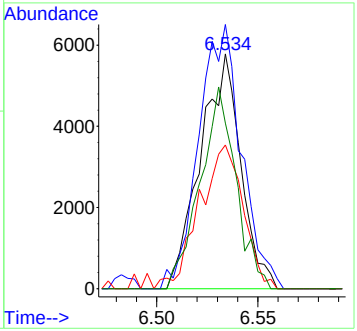


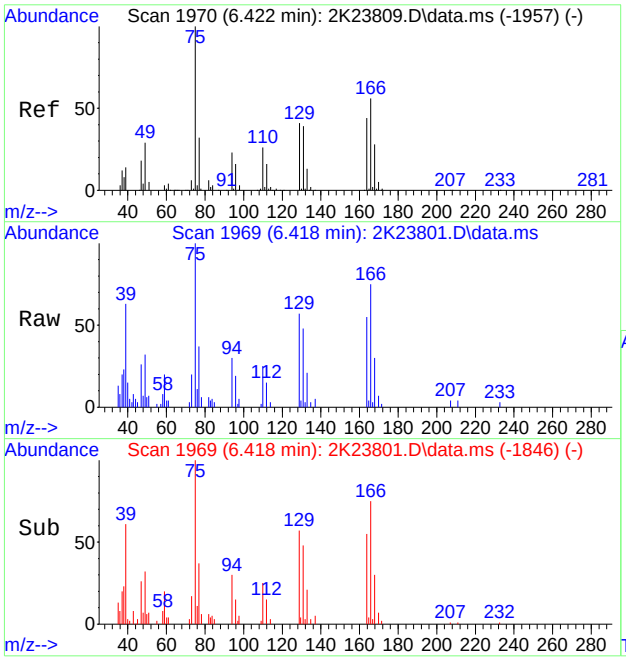


#77
1,1,2-trichloroethane
Concen: 1.94 ug/L
RT: 6.534 min Scan# 2005
Delta R.T. 0.003 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 83 Resp: 8022

Ion	Ratio	Lower	Upper
83	100		
97	112.6	103.4	143.4
85	61.2	40.7	80.7
61	70.6	58.7	98.7

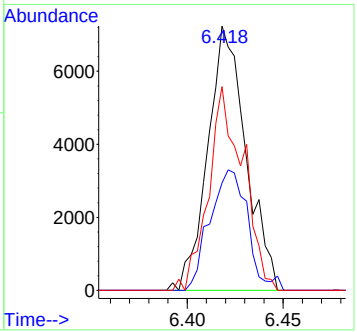


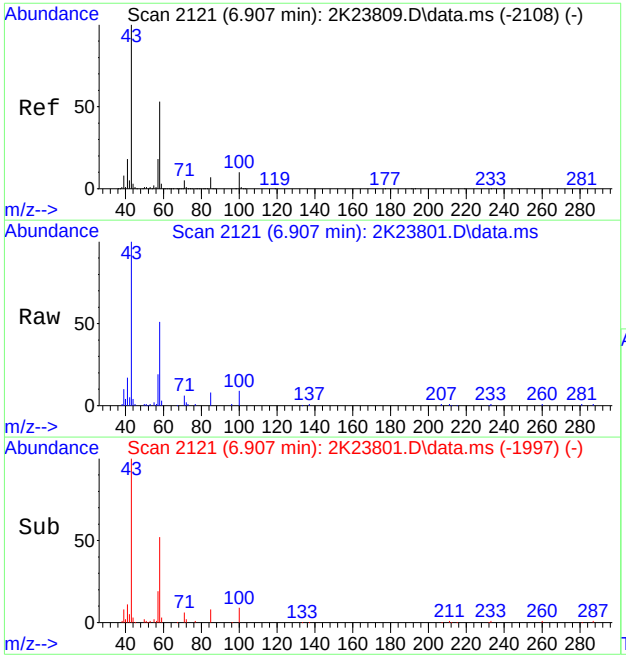


#78
tetrachloroethene
Concen: 1.97 ug/L
RT: 6.418 min Scan# 1969
Delta R.T. -0.003 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion:166 Resp: 10008

Ion	Ratio	Lower	Upper
166	100		
168	40.6	19.1	79.1
129	82.2	42.7	102.7

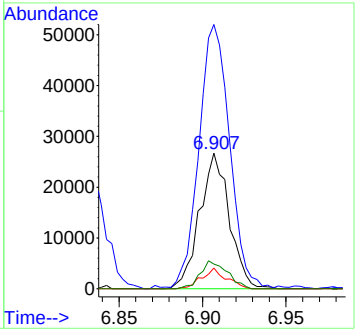


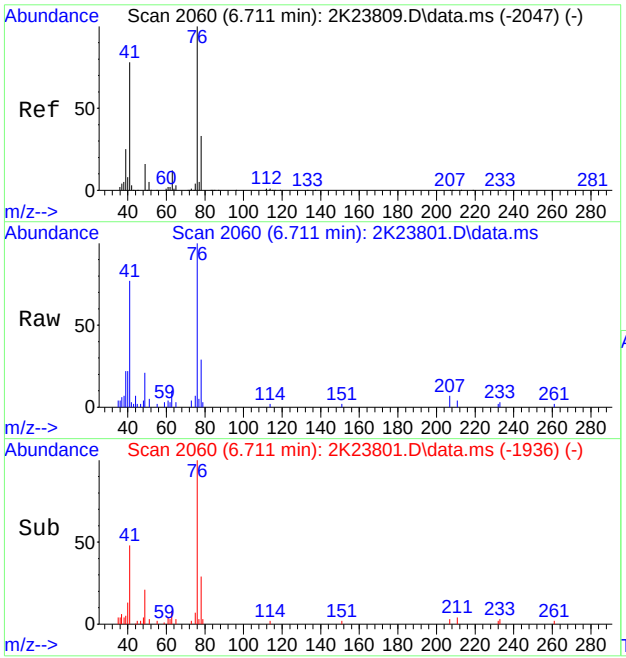


#79
2-hexanone
Concen: 7.86 ug/L
RT: 6.907 min Scan# 2121
Delta R.T. -0.000 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 58 Resp: 33031

Ion	Ratio	Lower	Upper
58	100		
43	193.6	168.9	208.9
85	15.2	0.0	33.1
100	18.1	0.0	39.1

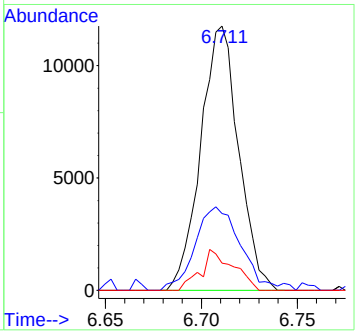


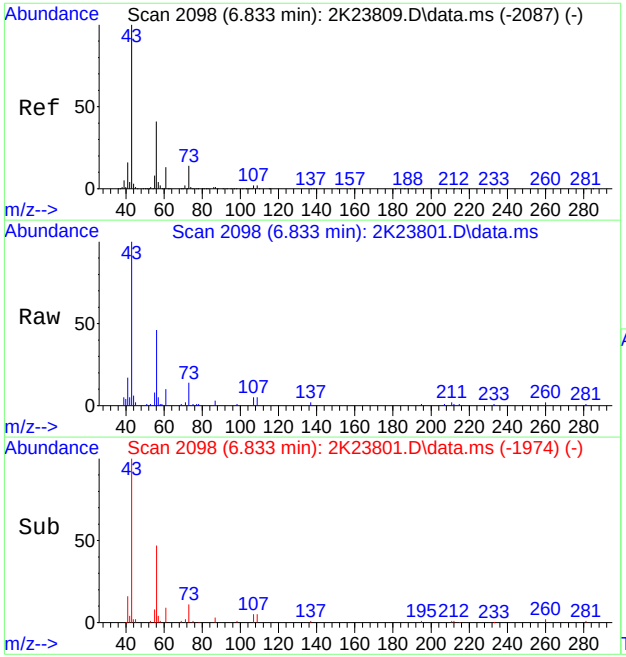


#80
1,3-dichloropropane
Concen: 1.81 ug/L
RT: 6.711 min Scan# 2060
Delta R.T. -0.000 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 76 Resp: 16192

Ion	Ratio	Lower	Upper
76	100		
78	29.1	2.9	62.9
63	10.3	0.0	42.3

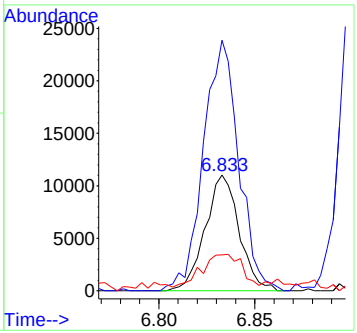


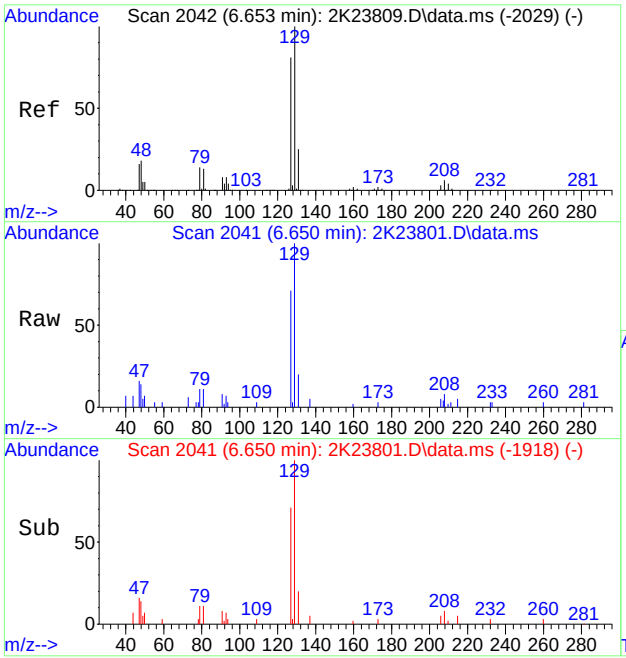


#81
butyl acetate
Concen: 2.30 ug/L
RT: 6.833 min Scan# 2098
Delta R.T. -0.000 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 56 Resp: 13578

Ion	Ratio	Lower	Upper
56	100		
43	216.4	213.5	273.5
73	25.9	4.2	64.2

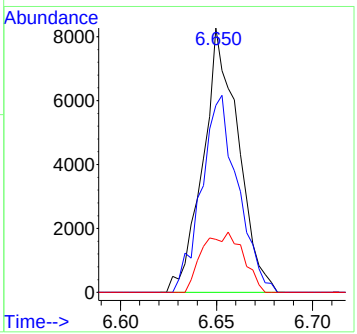


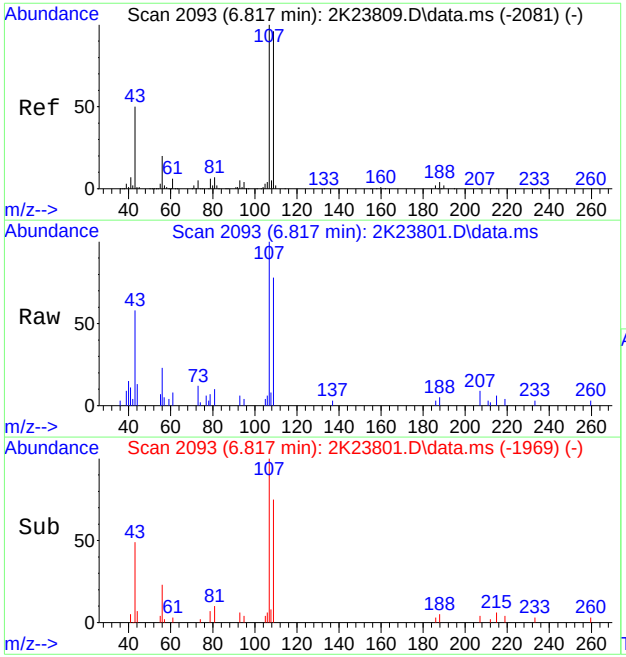


#82
dibromochloromethane
Concen: 2.08 ug/L
RT: 6.650 min Scan# 2041
Delta R.T. -0.003 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion:129 Resp: 10549

Ion	Ratio	Lower	Upper
129	100		
127	70.7	50.8	110.8
131	20.0	0.0	55.3

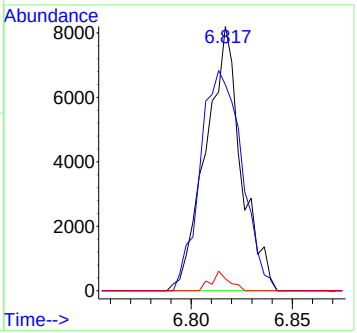


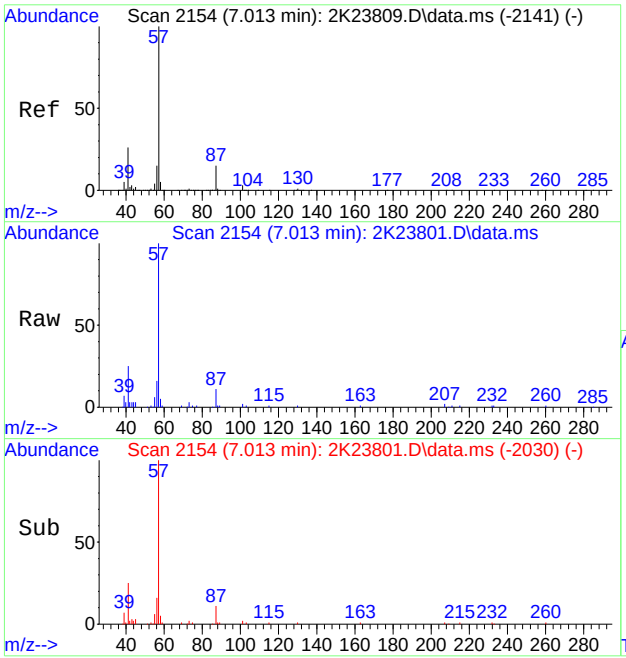


#83
1,2-dibromoethane
Concen: 2.09 ug/L
RT: 6.817 min Scan# 2093
Delta R.T. -0.000 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion:107 Resp: 9931

Ion	Ratio	Lower	Upper
107	100		
109	77.9	65.7	125.7
188	4.5	0.0	33.6

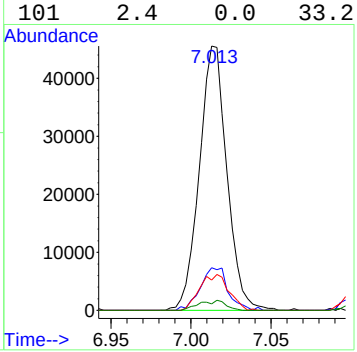


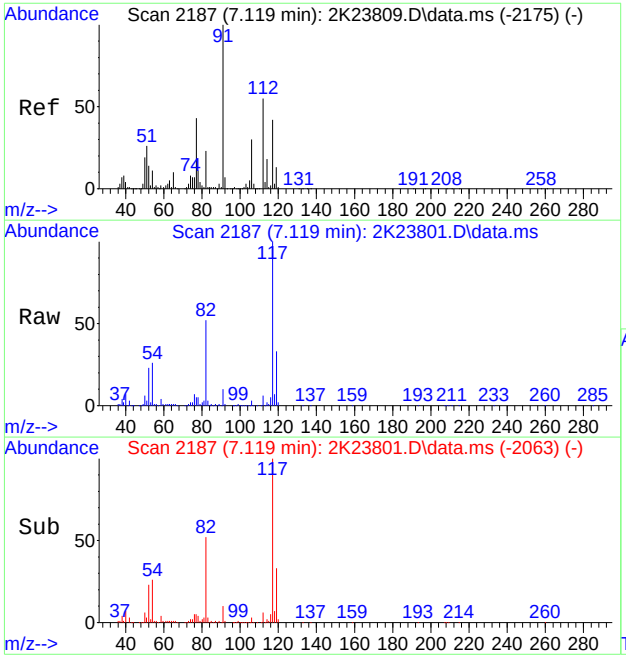


#84
n-butyl ether
Concen: 1.95 ug/L
RT: 7.013 min Scan# 2154
Delta R.T. -0.000 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 57 Resp: 54677

Ion	Ratio	Lower	Upper
57	100		
56	16.1	0.0	45.2
87	11.4	0.0	45.0
101	2.4	0.0	33.2

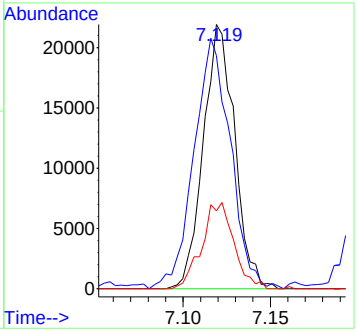


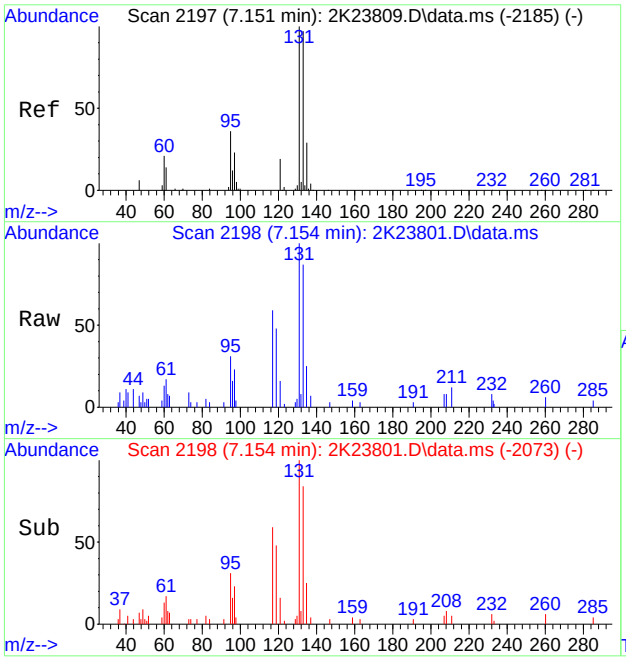


#85
chlorobenzene
Concen: 1.96 ug/L
RT: 7.119 min Scan# 2187
Delta R.T. -0.000 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion:112 Resp: 27409

Ion	Ratio	Lower	Upper
112	100		
77	88.2	49.5	109.5
114	29.5	2.1	62.1

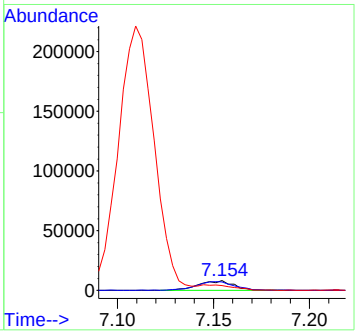


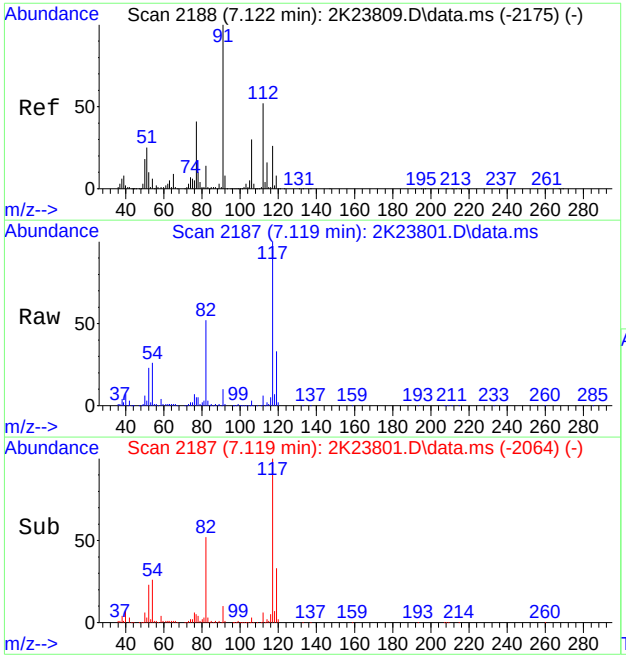


#86
1,1,1,2-tetrachloroethane
Concen: 2.16 ug/L
RT: 7.154 min Scan# 2198
Delta R.T. 0.003 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion:131 Resp: 10234

Ion	Ratio	Lower	Upper
131	100		
133	86.5	66.7	126.7
119	48.3	31.1	91.1

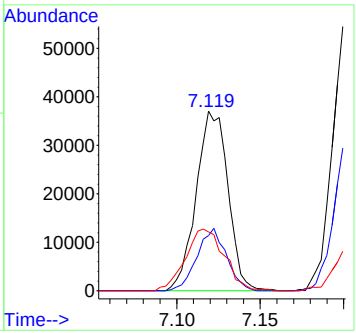


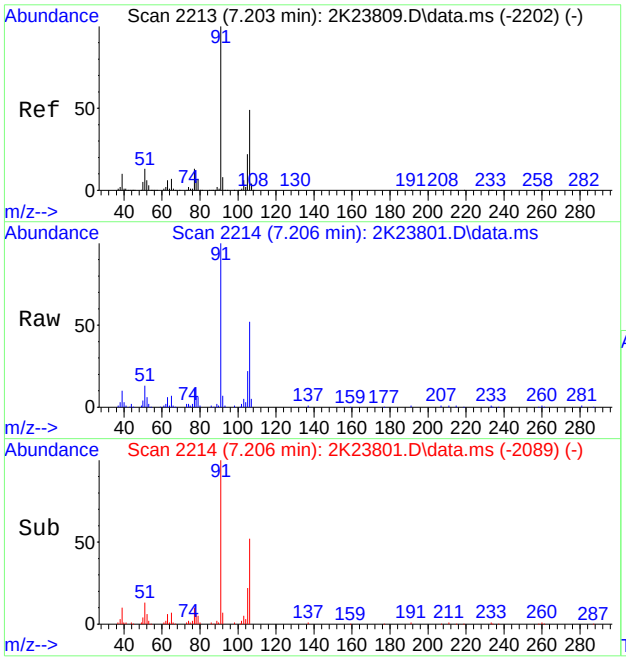


#87
ethylbenzene
Concen: 1.83 ug/L
RT: 7.119 min Scan# 2187
Delta R.T. -0.003 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 91 Resp: 49156

Ion	Ratio	Lower	Upper
91	100		
106	30.8	0.3	60.3
51	32.8	0.0	55.4

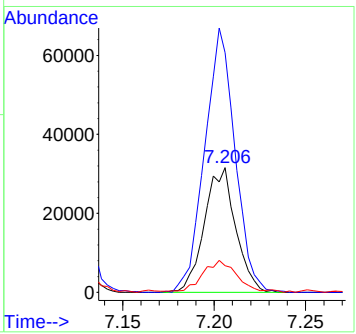


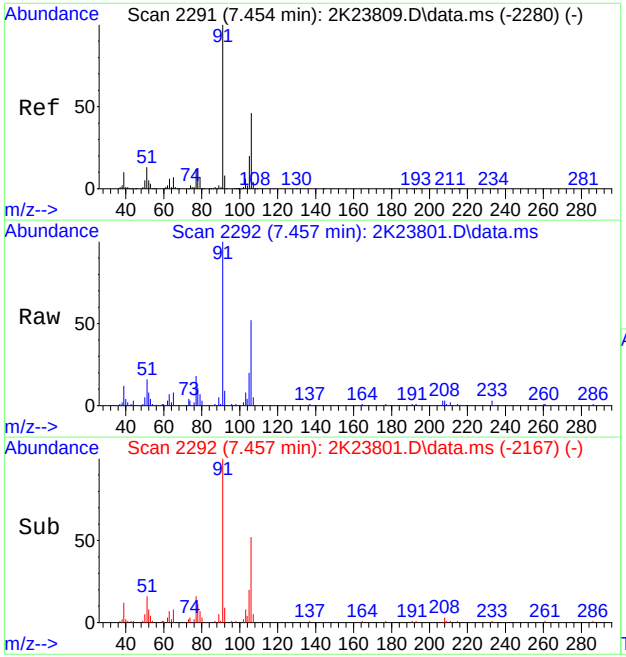


#88
m,p-xylene
Concen: 4.12 ug/L
RT: 7.206 min Scan# 2214
Delta R.T. 0.003 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion:106 Resp: 37752

Ion	Ratio	Lower	Upper
106	100		
91	192.0	173.5	233.5
77	21.3	7.0	47.0

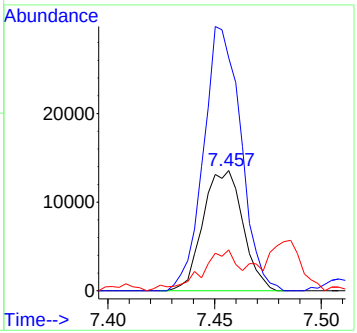


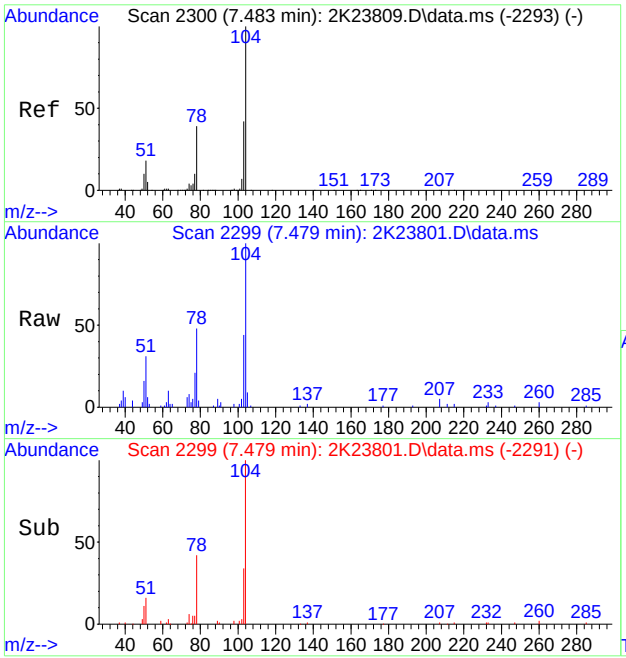


#89
o-xylene
Concen: 1.94 ug/L
RT: 7.457 min Scan# 2292
Delta R.T. 0.003 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion:106 Resp: 17648

Ion	Ratio	Lower	Upper
106	100		
91	193.5	186.3	246.3
77	29.3	6.7	46.7

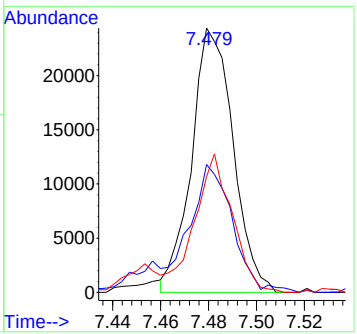


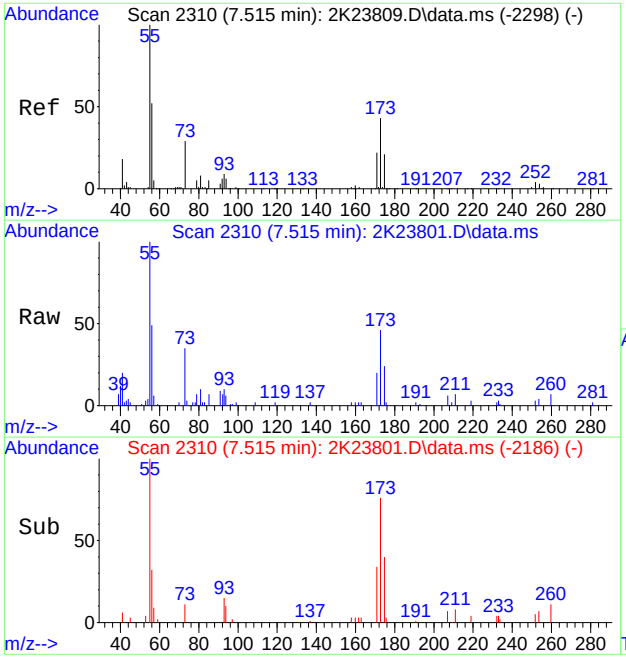


#90
styrene
Concen: 1.90 ug/L
RT: 7.479 min Scan# 2299
Delta R.T. -0.003 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion:104 Resp: 29313

Ion	Ratio	Lower	Upper
104	100		
78	46.6	14.3	74.3
103	43.8	17.0	77.0

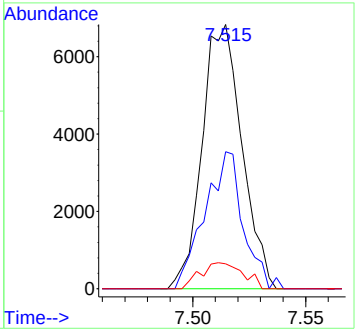


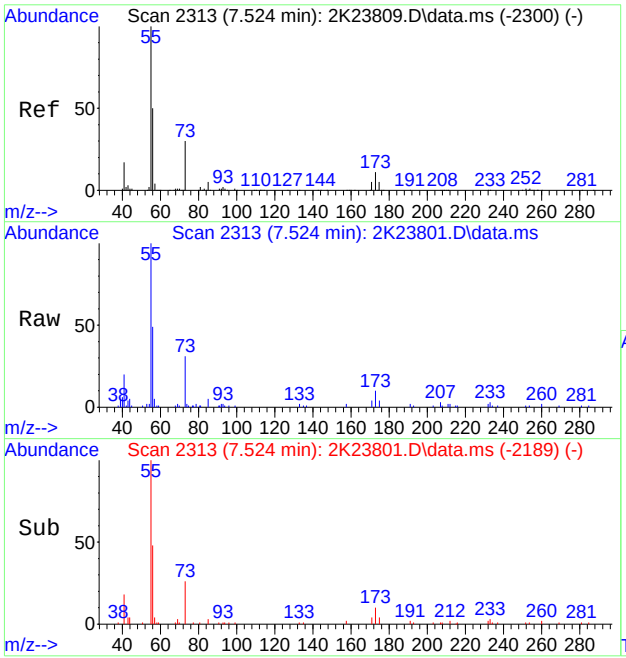


#91
bromoform
Concen: 1.95 ug/L
RT: 7.515 min Scan# 2310
Delta R.T. -0.000 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion:173 Resp: 8351

Ion	Ratio	Lower	Upper
173	100		
175	51.8	18.6	78.6
254	9.4	0.0	37.9

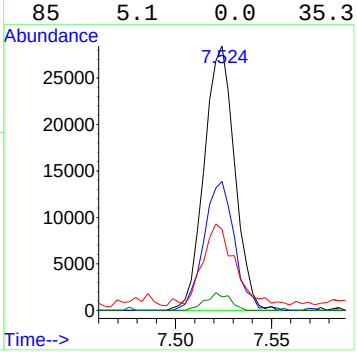


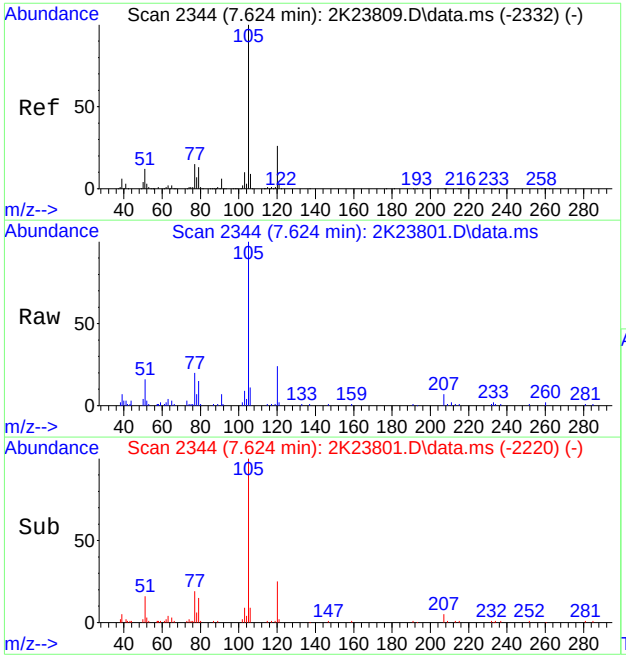


#92
butyl acrylate
Concen: 1.99 ug/L
RT: 7.524 min Scan# 2313
Delta R.T. -0.000 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 55 Resp: 31403

Ion	Ratio	Lower	Upper
55	100		
56	48.8	20.5	80.5
73	28.6	0.7	60.7
85	5.1	0.0	35.3

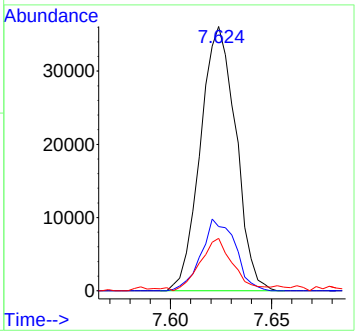


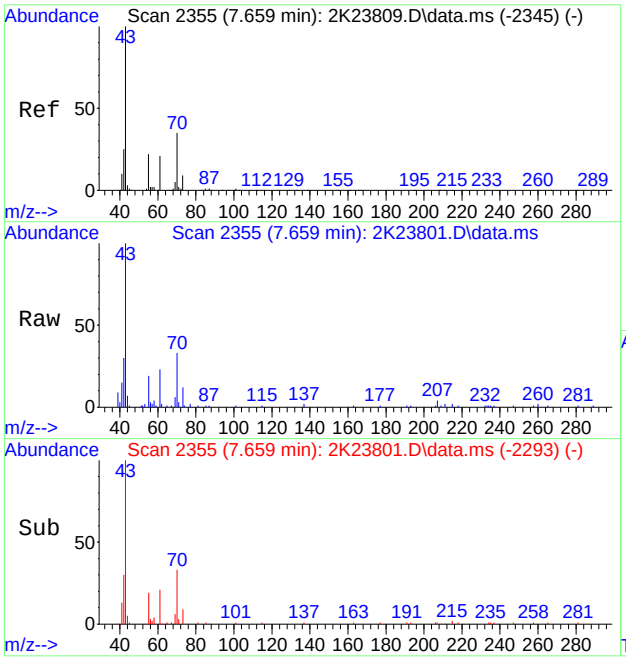


#93
isopropylbenzene
Concen: 1.98 ug/L
RT: 7.624 min Scan# 2344
Delta R.T. -0.000 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion:105 Resp: 43996

Ion	Ratio	Lower	Upper
105	100		
120	24.3	6.4	46.4
77	19.0	0.0	35.1

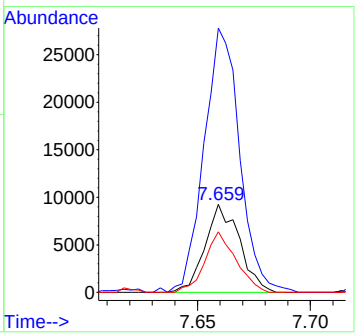


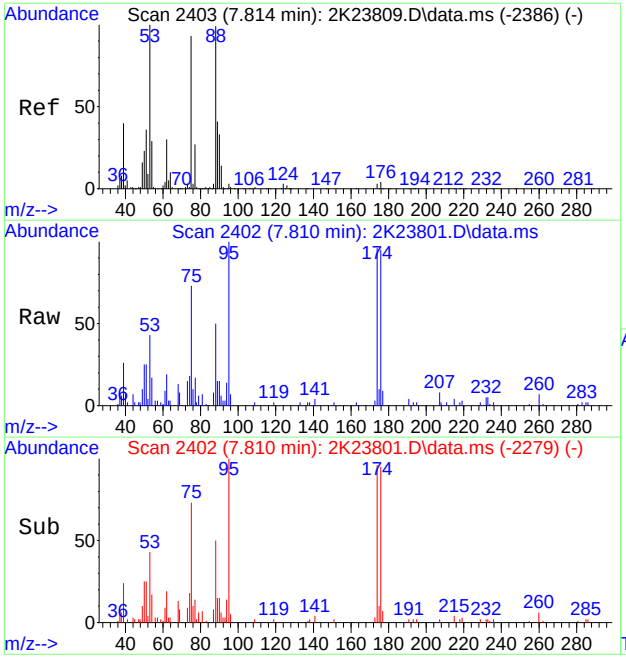


#94
n-amyl acetate
Concen: 1.93 ug/L
RT: 7.659 min Scan# 2355
Delta R.T. -0.000 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 70 Resp: 9789

Ion	Ratio	Lower	Upper
70	100		
43	295.3	265.5	305.5
61	68.7	41.9	81.9

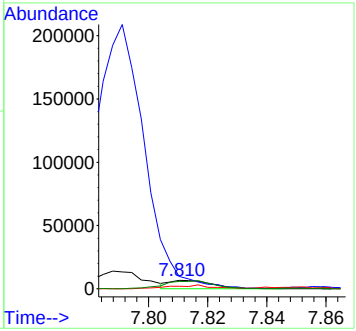


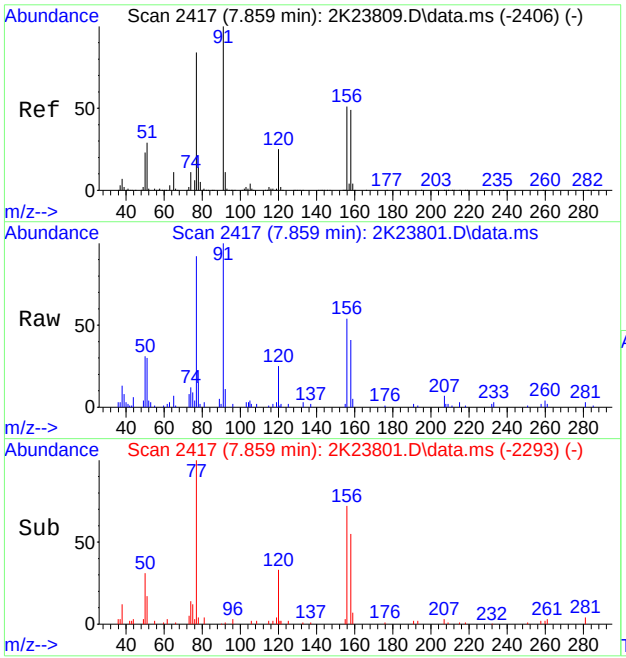


#95
cis-1,4-dichloro-2-butene
Concen: 1.72 ug/L
RT: 7.810 min Scan# 2402
Delta R.T. -0.003 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 88 Resp: 6805

Ion	Ratio	Lower	Upper
88	100		
75	134.7	73.7	113.7#
89	11.3	20.9	60.9#
53	77.8	81.0	121.0#

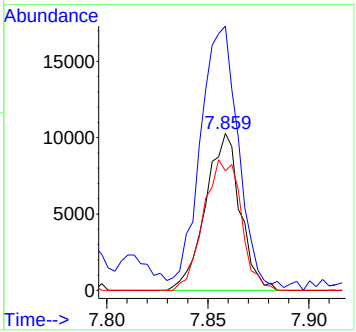


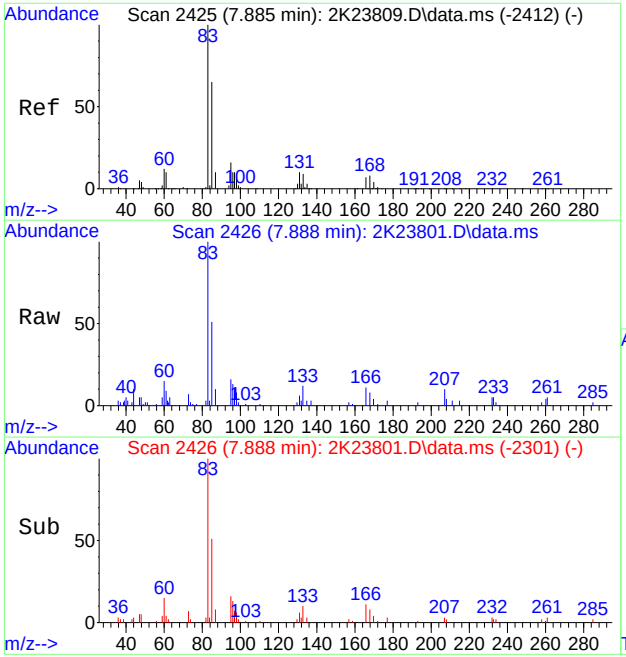


#98
bromobenzene
Concen: 2.14 ug/L
RT: 7.859 min Scan# 2417
Delta R.T. -0.000 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion:156 Resp: 12261

Ion	Ratio	Lower	Upper
156	100		
77	166.8	144.3	204.3
158	76.1	66.5	126.5

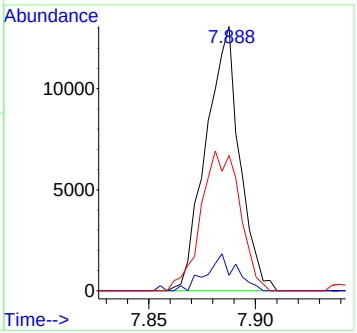


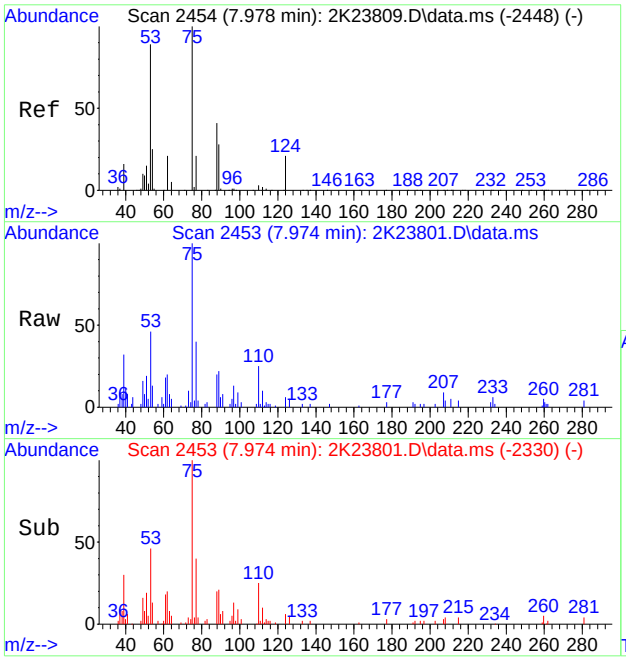


#99
1,1,2,2-tetrachloroethane
Concen: 1.85 ug/L
RT: 7.888 min Scan# 2426
Delta R.T. 0.003 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 83 Resp: 14347

Ion	Ratio	Lower	Upper
83	100		
131	5.8	0.0	40.0
85	51.2	35.3	95.3

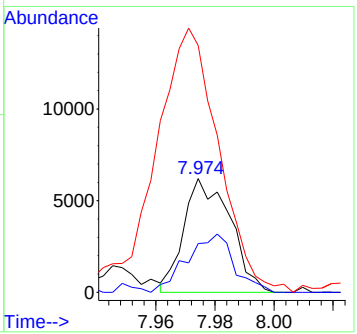


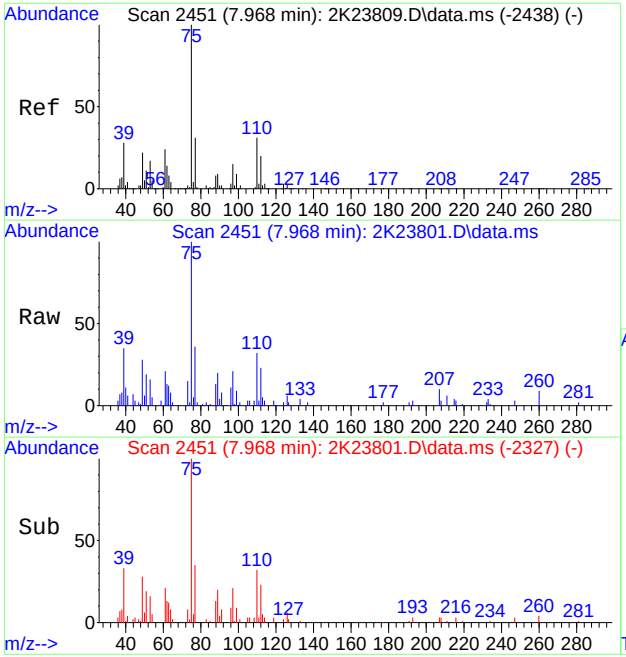


#100
trans-1,4-dichloro-2-butene
Concen: 1.87 ug/L
RT: 7.974 min Scan# 2453
Delta R.T. -0.003 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 53 Resp: 6762

Ion	Ratio	Lower	Upper
53	100		
88	42.8	15.2	75.2
75	209.4	166.9	226.9

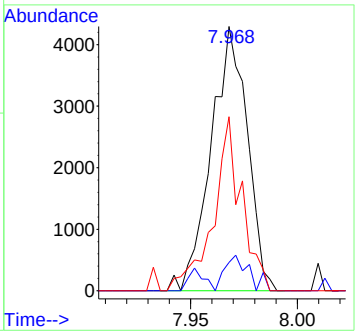


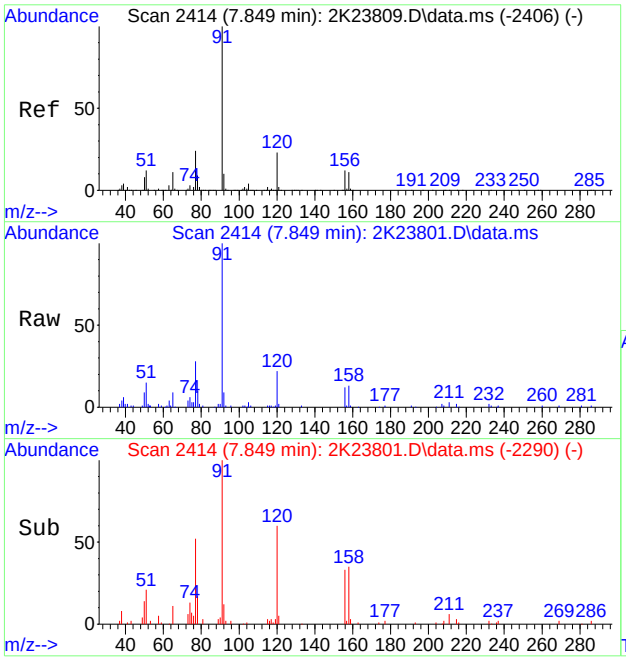


#101
1,2,3-trichloropropane
Concen: 1.98 ug/L
RT: 7.968 min Scan# 2451
Delta R.T. -0.000 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion:110 Resp: 5070

Ion	Ratio	Lower	Upper
110	100		
111	10.8	0.0	39.3
97	65.8	17.7	77.7

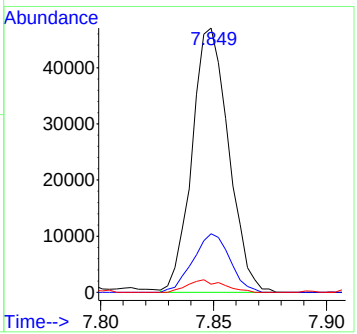


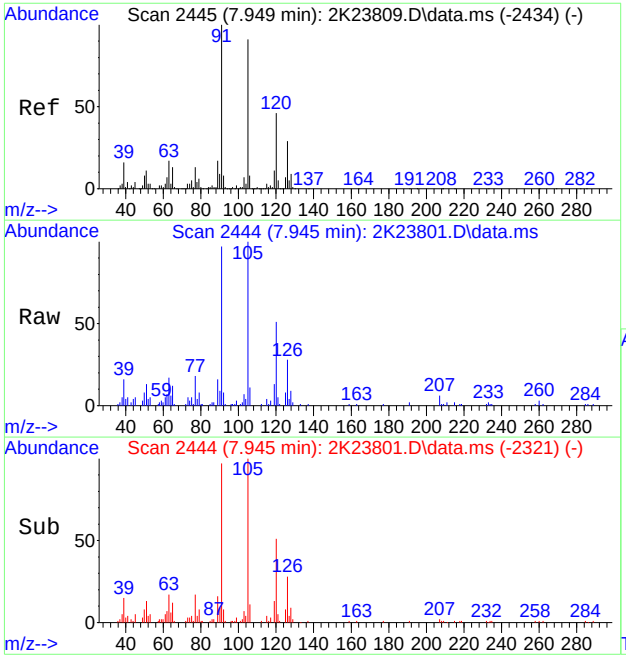


#102
n-propylbenzene
Concen: 2.01 ug/L
RT: 7.849 min Scan# 2414
Delta R.T. -0.000 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 91 Resp: 52946

Ion	Ratio	Lower	Upper
91	100		
120	22.1	0.0	52.7
105	3.1	0.0	34.0

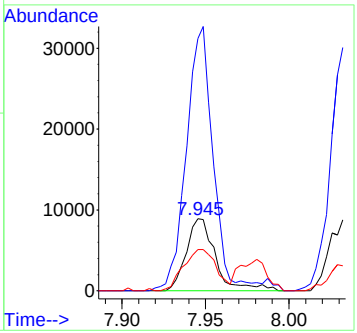


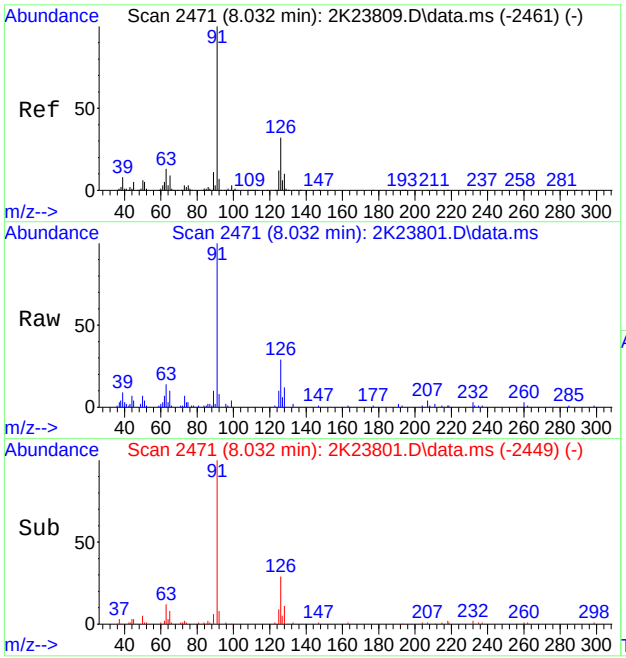


#103
2-chlorotoluene
Concen: 1.97 ug/L
RT: 7.945 min Scan# 2444
Delta R.T. -0.003 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion:126 Resp: 10861

Ion	Ratio	Lower	Upper
126	100		
91	349.8	309.9	369.9
89	57.4	27.7	87.7

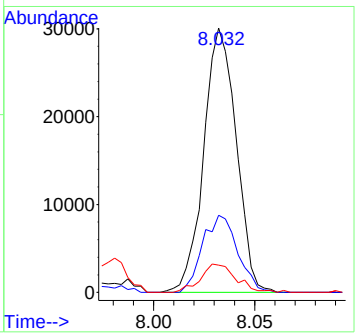


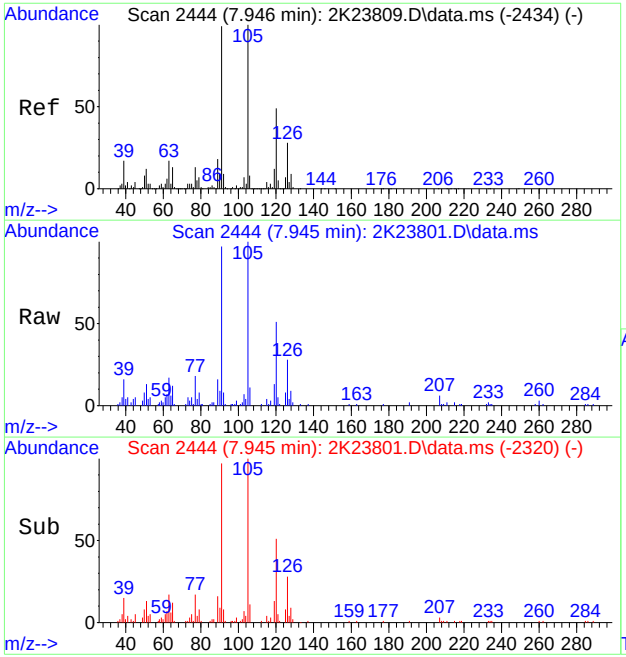


#104
4-chlorotoluene
Concen: 1.90 ug/L
RT: 8.032 min Scan# 2471
Delta R.T. -0.000 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 91 Resp: 33650

Ion	Ratio	Lower	Upper
91	100		
126	29.1	1.8	61.8
89	10.3	0.0	41.0

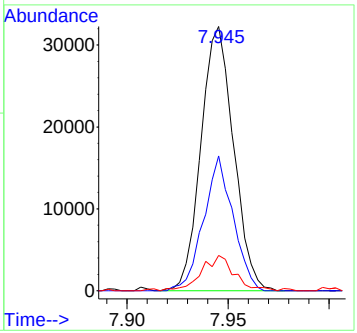


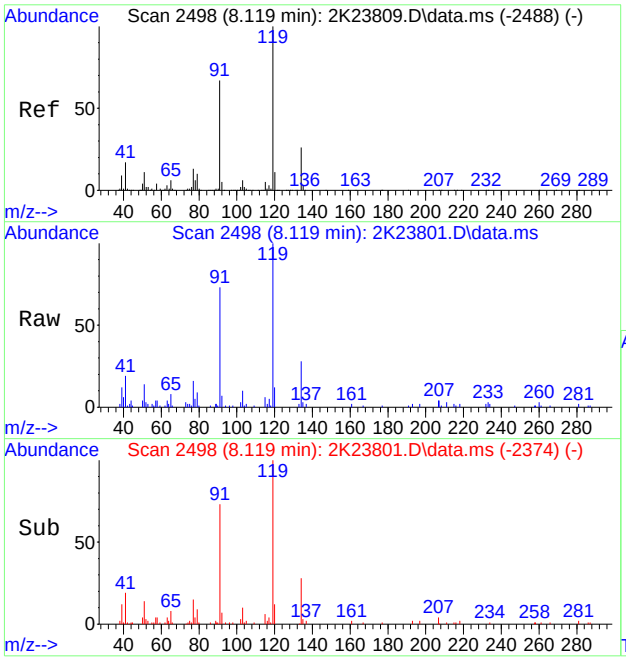


#105
1,3,5-trimethylbenzene
Concen: 1.98 ug/L
RT: 7.945 min Scan# 2444
Delta R.T. -0.000 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion:105 Resp: 36231

Ion	Ratio	Lower	Upper
105	100		
120	51.0	19.0	79.0
119	13.4	0.0	42.0

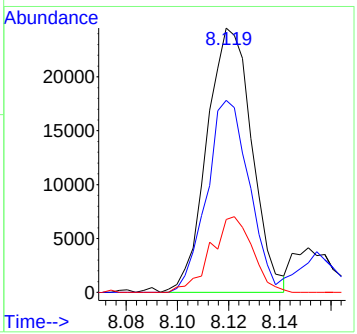


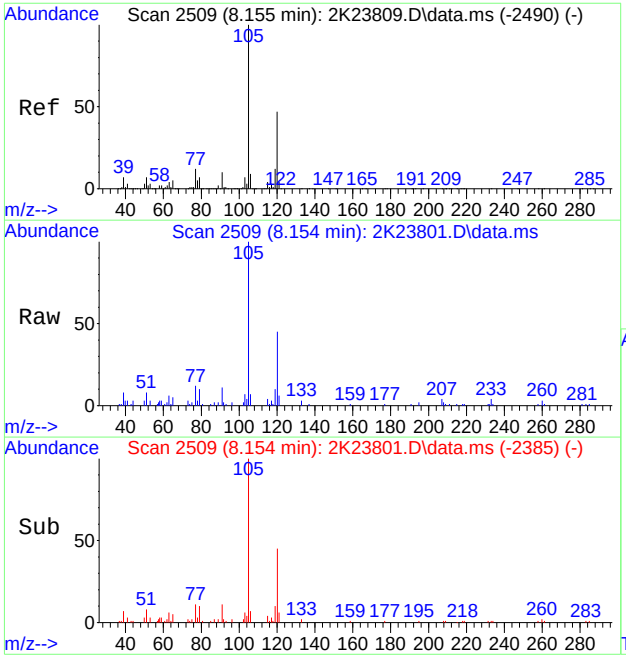


#106
tert-butylbenzene
Concen: 1.90 ug/L
RT: 8.119 min Scan# 2498
Delta R.T. -0.000 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion:119 Resp: 30005

Ion	Ratio	Lower	Upper
119	100		
91	72.6	37.4	97.4
134	27.6	0.0	55.8

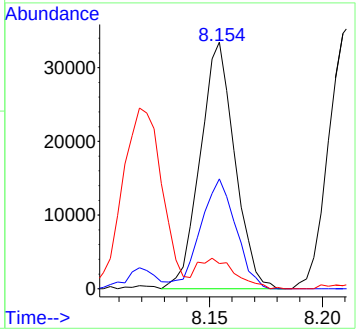


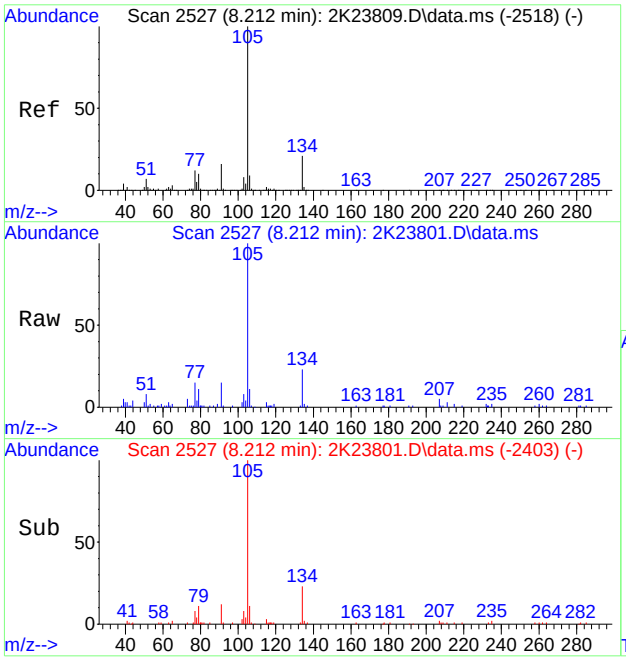


#107
1,2,4-trimethylbenzene
Concen: 1.97 ug/L
RT: 8.154 min Scan# 2509
Delta R.T. -0.000 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion:105 Resp: 35484

Ion	Ratio	Lower	Upper
105	100		
120	44.5	16.8	76.8
119	10.2	0.0	42.0

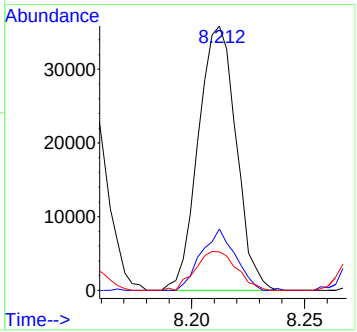


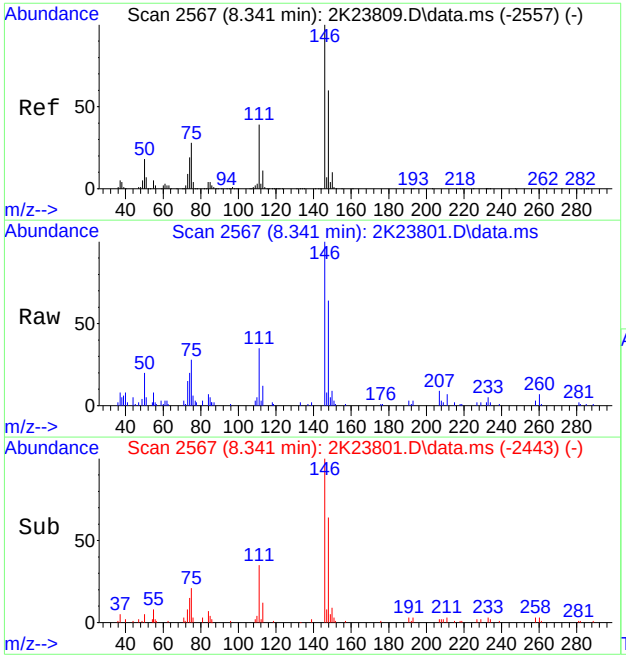


#108
sec-butylbenzene
Concen: 2.08 ug/L
RT: 8.212 min Scan# 2527
Delta R.T. -0.000 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion:105 Resp: 41708

Ion	Ratio	Lower	Upper
105	100		
134	23.2	0.0	51.4
91	14.6	0.0	45.7

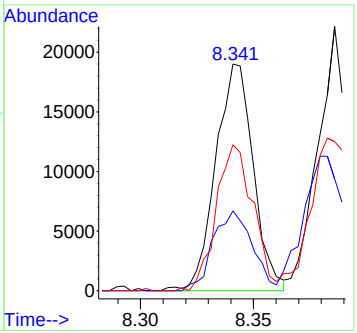


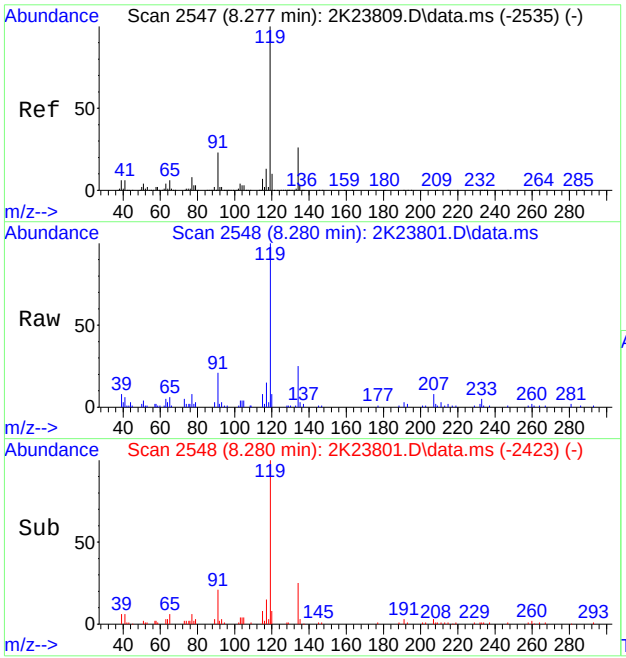


#109
1,3-dichlorobenzene
Concen: 2.05 ug/L
RT: 8.341 min Scan# 2567
Delta R.T. -0.000 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion:146 Resp: 21969

Ion	Ratio	Lower	Upper
146	100		
111	35.3	8.6	68.6
148	64.4	29.8	89.8

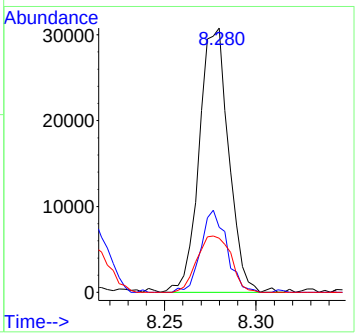


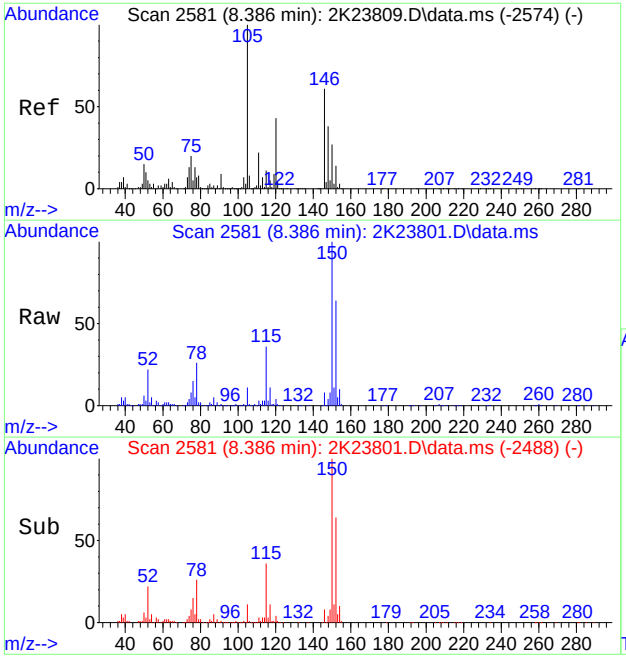


#110
p-isopropyltoluene
Concen: 1.89 ug/L
RT: 8.280 min Scan# 2548
Delta R.T. 0.003 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion:119 Resp: 34698

Ion	Ratio	Lower	Upper
119	100		
134	24.6	0.0	56.0
91	20.5	0.0	53.4

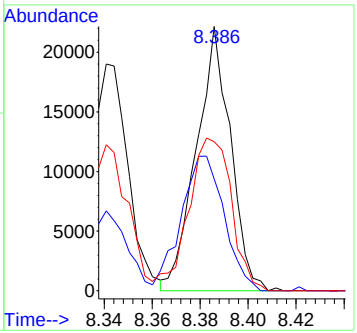


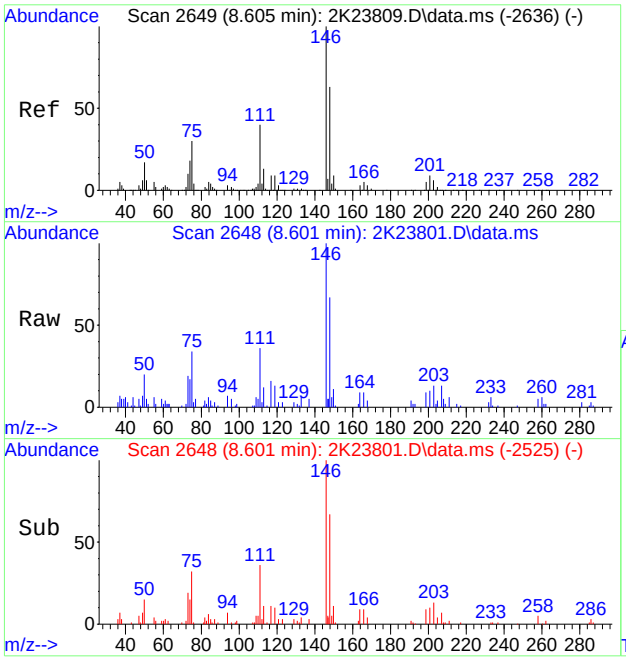


#111
1,4-dichlorobenzene
Concen: 2.06 ug/L
RT: 8.386 min Scan# 2581
Delta R.T. -0.000 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion:146 Resp: 21932

Ion	Ratio	Lower	Upper
146	100		
111	42.3	6.3	66.3
148	56.4	32.9	92.9

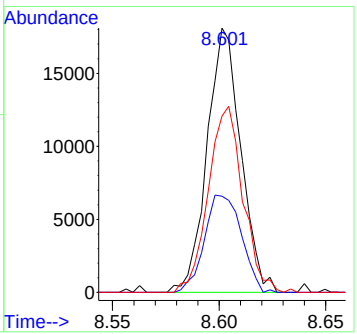


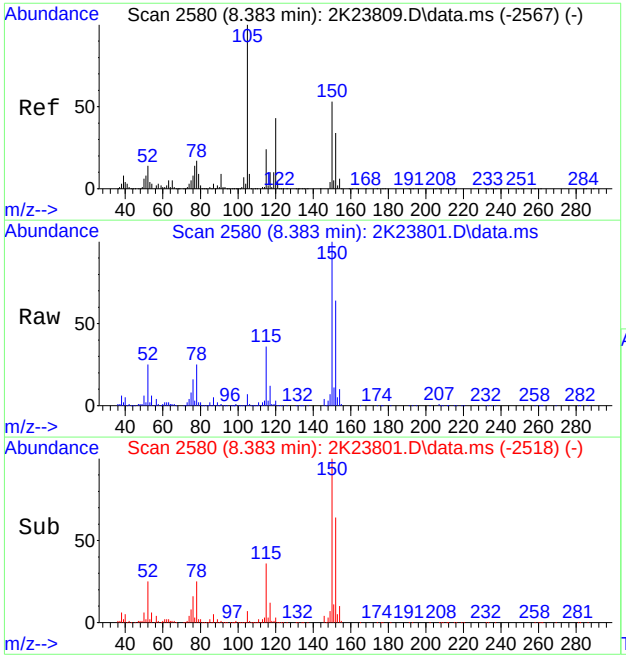


#112
1,2-dichlorobenzene
Concen: 1.94 ug/L
RT: 8.601 min Scan# 2648
Delta R.T. -0.003 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion:146 Resp: 19918

Ion	Ratio	Lower	Upper
146	100		
111	36.3	10.0	70.0
148	66.7	33.3	93.3

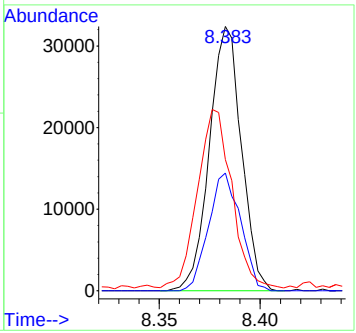


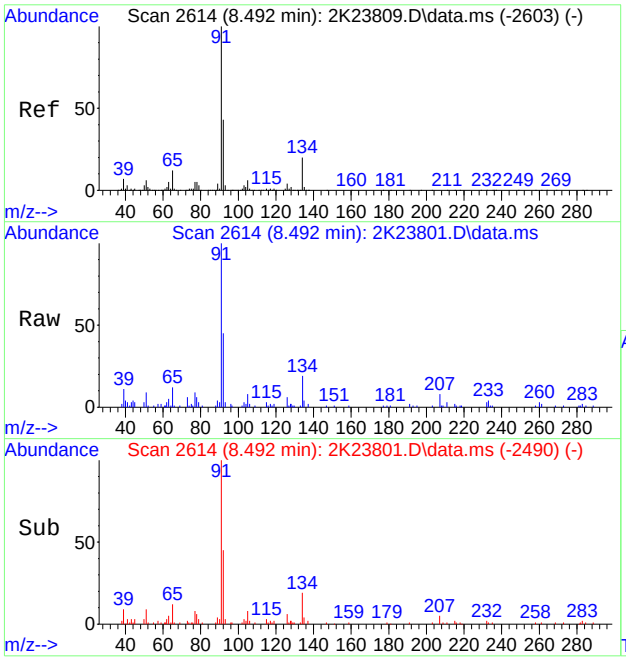


#113
1,2,3-trimethylbenzene
Concen: 1.83 ug/L
RT: 8.383 min Scan# 2580
Delta R.T. -0.000 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion:105 Resp: 35604

Ion	Ratio	Lower	Upper
105	100		
120	44.5	13.3	73.3
77	48.6	0.0	43.9#

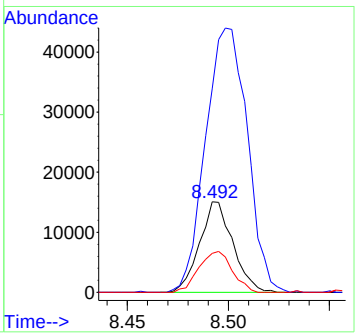


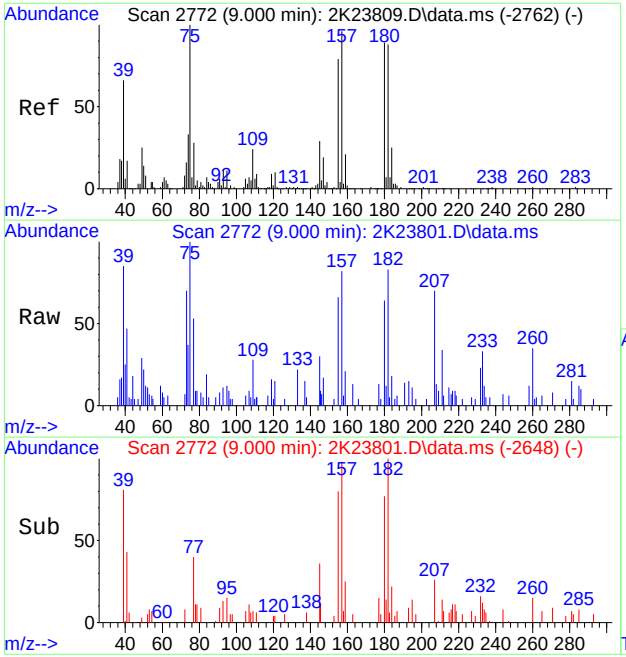


#114
n-butylbenzene
Concen: 1.96 ug/L
RT: 8.492 min Scan# 2614
Delta R.T. -0.000 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion: 92 Resp: 17272

Ion	Ratio	Lower	Upper
92	100		
91	224.5	203.0	263.0
134	43.1	17.1	77.1

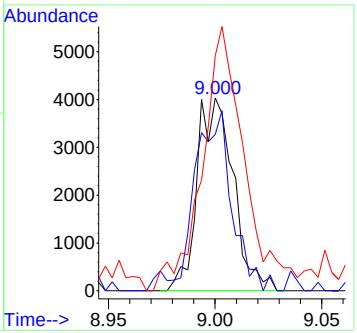


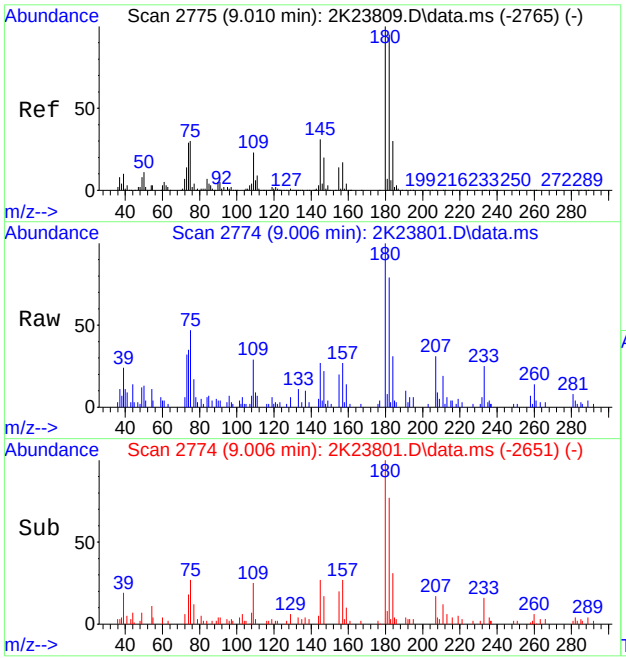


#115
1,2-dibromo-3-chloropropane
Concen: 2.03 ug/L
RT: 9.000 min Scan# 2772
Delta R.T. -0.000 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion:157 Resp: 4755

Ion	Ratio	Lower	Upper
157	100		
155	81.1	52.3	112.3
75	111.7	74.2	134.2

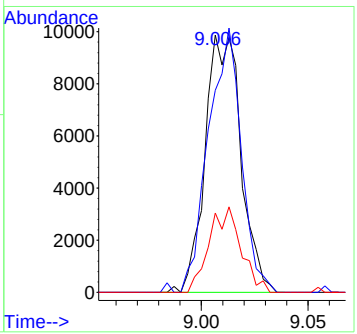


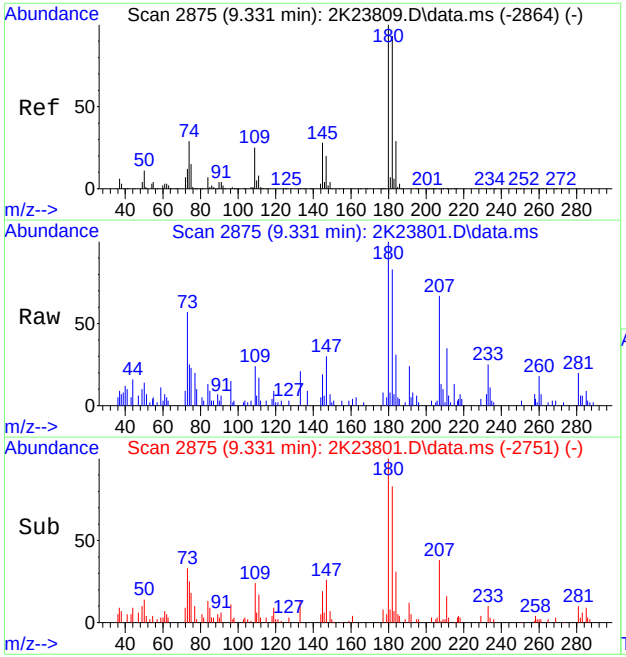


#116
1,3,5-trichlorobenzene
Concen: 1.91 ug/L
RT: 9.006 min Scan# 2774
Delta R.T. -0.003 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion:180 Resp: 11526

Ion	Ratio	Lower	Upper
180	100		
182	78.6	74.7	114.7
184	30.9	9.9	49.9

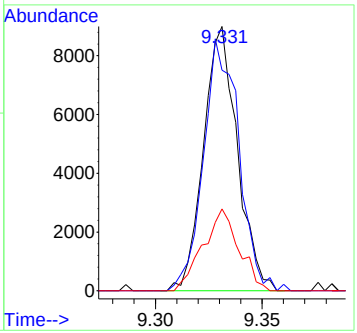


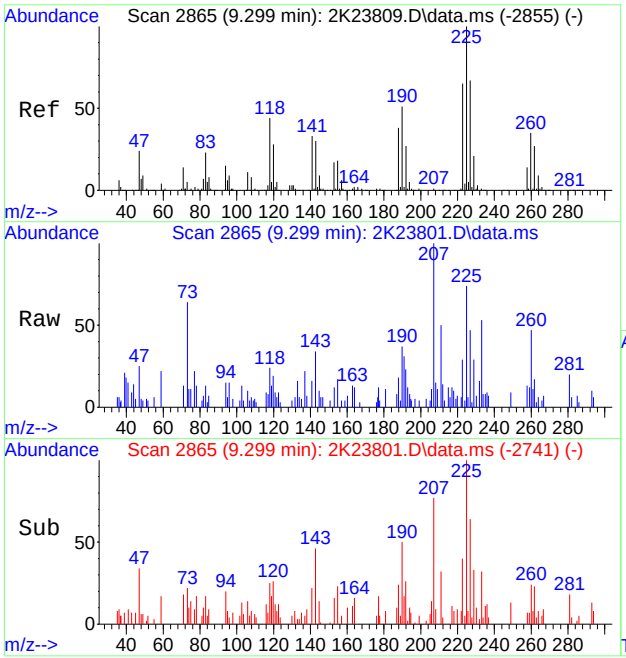


#117
1,2,4-trichlorobenzene
Concen: 1.89 ug/L
RT: 9.331 min Scan# 2875
Delta R.T. -0.000 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion:180 Resp: 9929

Ion	Ratio	Lower	Upper
180	100		
182	83.4	63.0	123.0
184	31.0	0.0	59.0

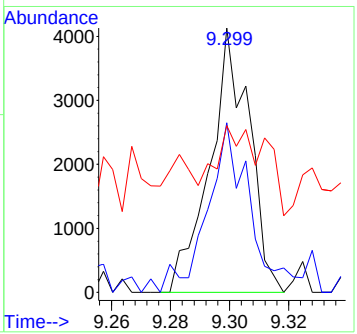


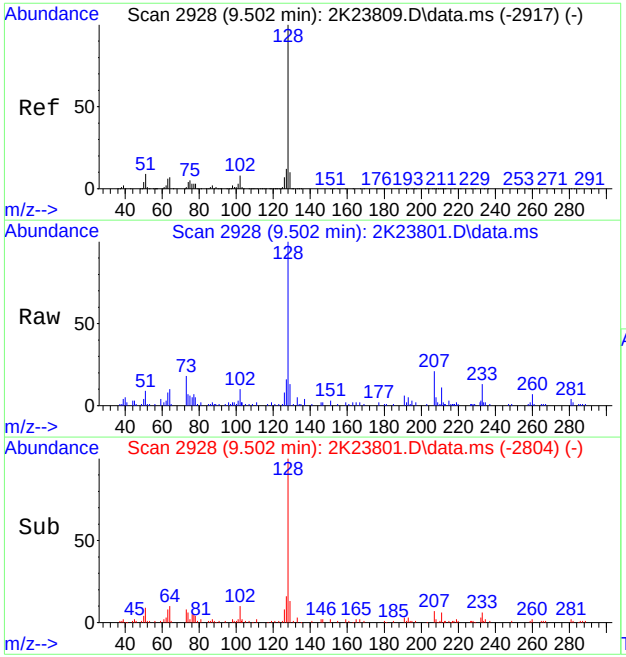


#118
hexachlorobutadiene
Concen: 2.00 ug/L
RT: 9.299 min Scan# 2865
Delta R.T. -0.000 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion:225 Resp: 3840

Ion	Ratio	Lower	Upper
225	100		
227	64.1	36.8	96.8
260	34.2	5.2	65.2

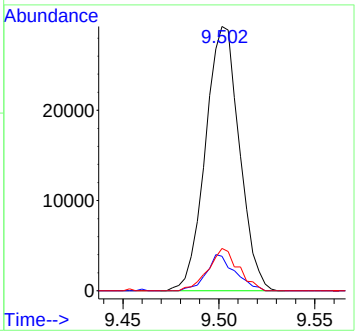


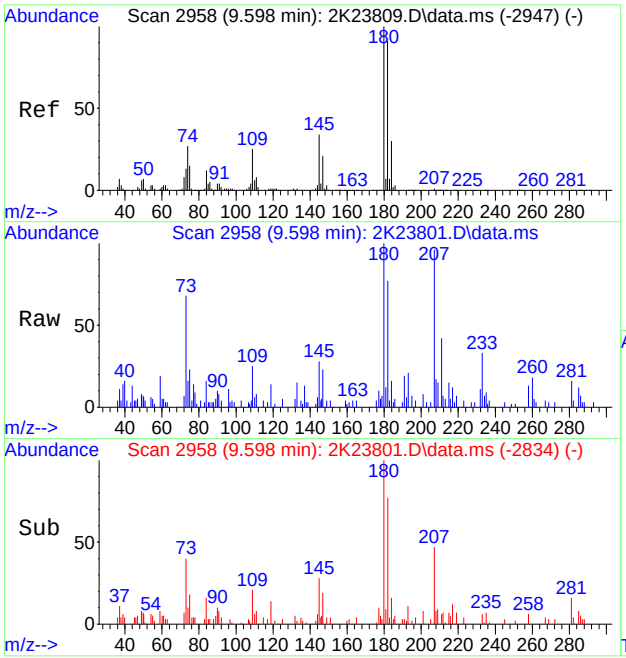


#119
naphthalene
Concen: 1.92 ug/L
RT: 9.502 min Scan# 2928
Delta R.T. -0.000 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion:128 Resp: 36034

Ion	Ratio	Lower	Upper
128	100		
129	13.0	0.0	40.4
127	16.0	0.0	42.1

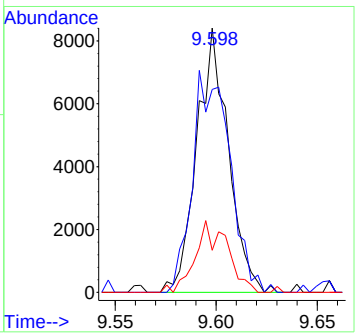


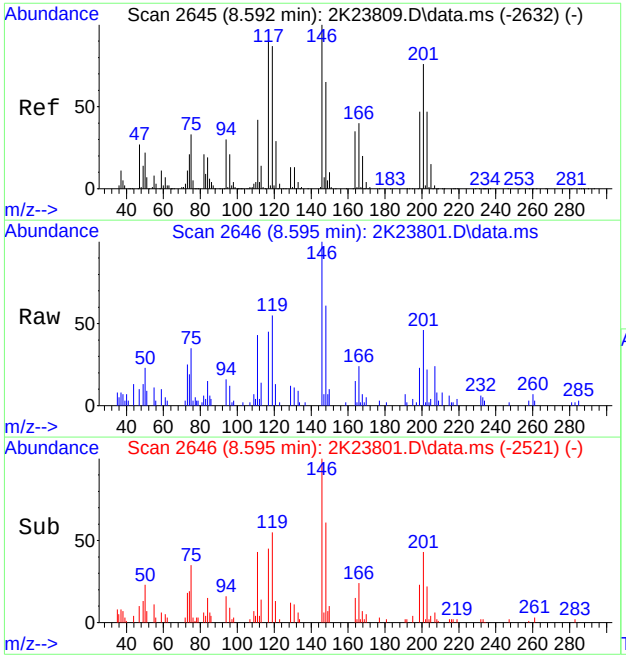


#120
1,2,3-trichlorobenzene
Concen: 1.79 ug/L
RT: 9.598 min Scan# 2958
Delta R.T. -0.000 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion:180 Resp: 9129

Ion	Ratio	Lower	Upper
180	100		
182	76.8	60.8	120.8
184	15.9	0.3	60.3

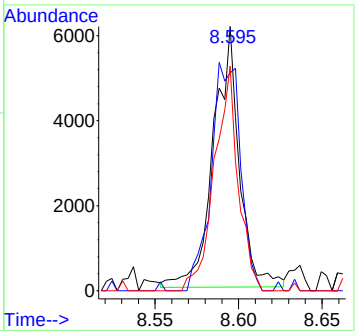


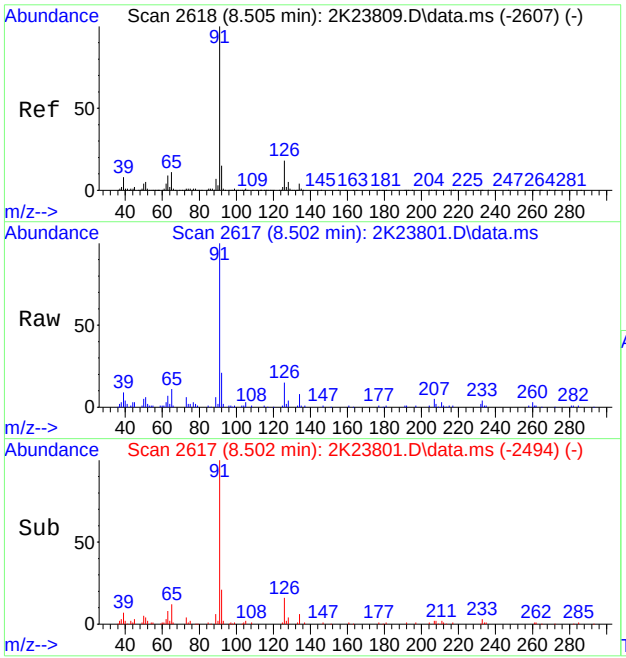


#121
hexachloroethane
Concen: 1.99 ug/L
RT: 8.595 min Scan# 2646
Delta R.T. 0.003 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion:119 Resp: 6653

Ion	Ratio	Lower	Upper
119	100		
117	84.8	72.5	132.5
201	87.6	56.6	116.6

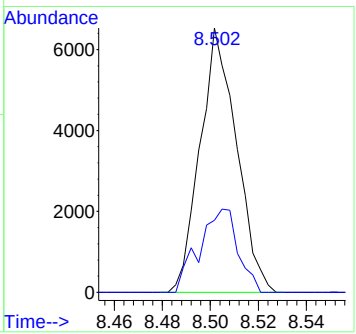


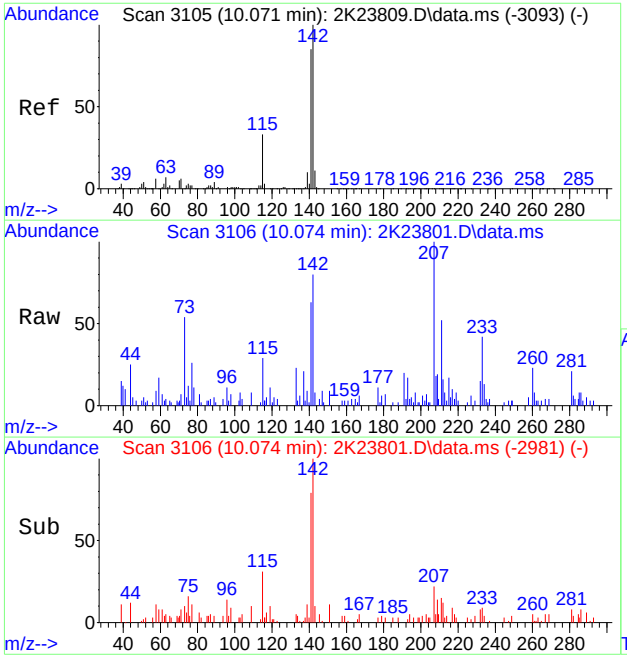


#122
benzyl chloride
Concen: 1.98 ug/L
RT: 8.502 min Scan# 2617
Delta R.T. -0.003 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion:126 Resp: 6866

Ion	Ratio	Lower	Upper
126	100		
128	27.3	1.1	61.1

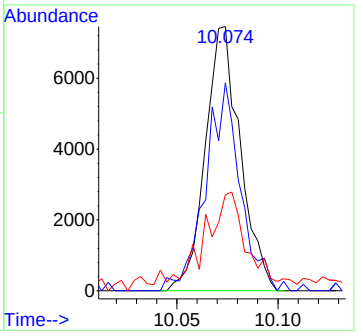




#123
2-methylnaphthalene
Concen: 0.94 ug/L
RT: 10.074 min Scan# 3106
Delta R.T. 0.003 min
Lab File: 2K23801.D
Acq: 5 Sep 2025 11:07 pm

Tgt Ion:142 Resp: 8992

Ion	Ratio	Lower	Upper
142	100		
141	78.6	54.5	114.5
115	31.9	3.3	63.3



Manual Integration Approval Summary

Sample Number: V2K658-IC658
Lab FileID: 2K23801.D
Injection Time: 09/05/25 23:07

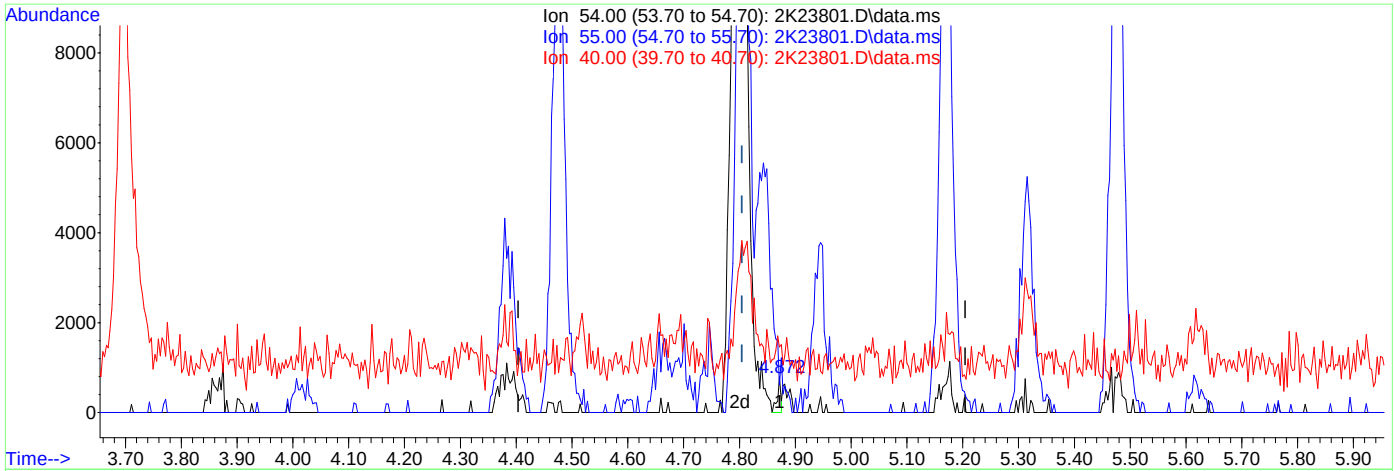
Method: SW846 8260D
Analyst approved: 09/08/25 13:42 MoHui Huang
Supervisor approved: 09/09/25 02:04 Kanya Veerawat

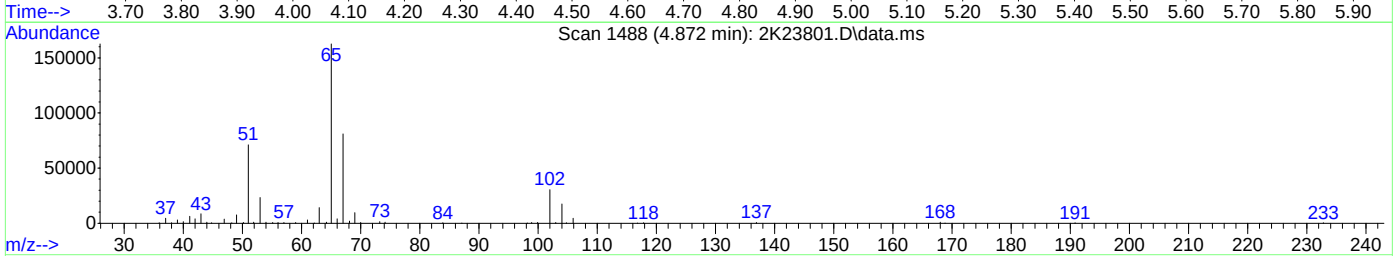
Parameter	CAS	Sig#	R.T. (min.)	Reason
Propionitrile	107-12-0		4.80	Missed peak

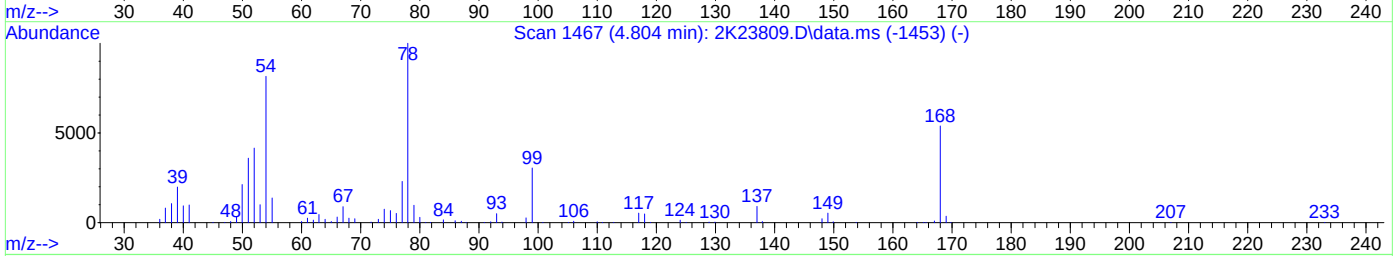
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 2K23801.D
Acq On : 5 Sep 2025 11:07 pm
Operator : PrashanS
Sample : IC658-2
Misc : MS95614,V2K658,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 08 12:48:06 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 12:47:57 2025
Response via : Initial Calibration







TIC: 2K23801.D\data.ms

(37) propionitrile

4.872min (+0.067) 0.18ug/L

response 333

Ion	Exp%	Act%
54.00	100	100
55.00	18.60	0.00
40.00	11.70	36.44
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 09/09/25 02:04

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 2K23803.D
Acq On : 5 Sep 2025 11:41 pm
Operator : PrashanS
Sample : IC658-4
Misc : MS95614,V2K658,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 08 12:57:33 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 12:55:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.502	65	682126	500.00	ug/L		0.00
5) pentafluorobenzene	4.811	168	704670	50.00	ug/L		0.00
50) 1,4-difluorobenzene	5.174	114	1103214	50.00	ug/L		0.00
72) chlorobenzene-d5	7.110	117	928772	50.00	ug/L		0.00
96) 1,4-dichlorobenzene-d4	8.376	152	444445	50.00	ug/L		0.00
124) pentafluorobenzene(a)	4.811	168	704670	50.00	ug/L		0.00
128) 1,4-dichlorobenzene-d4(a)	8.376	152	444445	50.00	ug/L		0.00
System Monitoring Compounds							
42) dibromofluoromethane (s)	4.531	113	298674	49.80	ug/L		0.00
Spiked Amount 50.000	Range 75 - 127		Recovery = 99.60%				
51) 1,2-dichloroethane-d4 (s)	4.881	65	398436	50.12	ug/L		0.00
Spiked Amount 50.000	Range 75 - 130		Recovery = 100.24%				
73) toluene-d8 (s)	6.122	98	1259631	49.36	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.72%				
97) 4-bromofluorobenzene (s)	7.791	95	465859	50.33	ug/L		0.00
Spiked Amount 50.000	Range 79 - 127		Recovery = 100.66%				
Target Compounds							Qvalue
2) ethanol	2.830	45	72073	404.4887	ug/L		97
3) tertiary butyl alcohol	3.553	59	29807	18.3022	ug/L		78
4) 1,4-dioxane	5.672	88	11259m	99.2901	ug/L		
6) chlorodifluoromethane	1.769	51	38726	3.9892	ug/L		95
7) dichlorodifluoromethane	1.727	85	28050	3.9350	ug/L		97
8) chloromethane	1.917	50	31674	3.7622	ug/L		97
9) vinyl chloride	1.978	62	25773	3.7960	ug/L		96
10) 1,3-butadiene	1.991	39	26003	3.6695	ug/L		96
11) bromomethane	2.261	96	8567	4.0350	ug/L	#	94
12) chloroethane	2.370	64	12770	3.6267	ug/L		96
13) trichlorofluoromethane	2.489	101	36221	3.8532	ug/L		97
14) ethyl ether	2.733	74	13738	4.1069	ug/L	#	75
15) acrolein	3.155	56	6409	3.5234	ug/L		92
16) freon 113	2.930	151	16342	3.8359	ug/L		97
17) 1,1-dichloroethene	2.907	61	34174	3.8521	ug/L		96
18) acetone	3.364	58	16551	14.6795	ug/L		100
19) acetonitrile	3.701	41	65901	39.9720	ug/L		95
20) iodomethane	3.026	142	14513	3.2890	ug/L		95
21) carbon disulfide	2.946	76	56769	3.7783	ug/L		99
22) methylene chloride	3.341	84	20063	3.8342	ug/L		92
23) methyl acetate	3.444	74	5322	3.4079	ug/L	#	74
24) methyl tert butyl ether	3.518	73	67007	3.6421	ug/L		86
25) trans-1,2-dichloroethene	3.454	96	19528	3.6812	ug/L		87
26) hexane	3.502	57	52666	3.6636	ug/L		99
27) di-isopropyl ether	3.769	45	87164	3.7353	ug/L		97
28) ethyl tert-butyl ether	4.013	59	77392	3.7482	ug/L		97
29) 2-butanone	4.602	72	16769	14.4709	ug/L	#	77
30) 1,1-dichloroethane	3.885	63	39283	3.6177	ug/L		93
31) chloroprene	3.865	53	43937	3.8035	ug/L		95
32) acrylonitrile	3.910	52	12944	3.7718	ug/L		95
33) vinyl acetate	4.029	86	5940	4.2632	ug/L	#	53
34) ethyl acetate	4.460	70	3549	3.3621	ug/L	#	81
35) 2,2-dichloropropane	4.315	77	33586	3.8671	ug/L		94
36) cis-1,2-dichloroethene	4.241	96	19869	3.4992	ug/L		90
37) propionitrile	4.801	54	70701	38.1780	ug/L		77
38) methyl acrylate	4.476	85	4674	3.4641	ug/L	#	68
39) bromochloromethane	4.377	128	9191	3.8014	ug/L		89
40) tetrahydrofuran	4.524	71	4658	3.7870	ug/L	#	76

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 2K23803.D
Acq On : 5 Sep 2025 11:41 pm
Operator : PrashanS
Sample : IC658-4
Misc : MS95614,V2K658,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 08 12:57:33 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 12:55:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) chloroform	4.412	83	38314	3.5560	ug/L		97
43) methacrylonitrile	4.817	67	13908	3.5197	ug/L		95
44) 1,1,1-trichloroethane	4.566	97	31947	3.6246	ug/L		92
45) cyclohexane	4.386	84	27871	3.6186	ug/L	#	86
46) 1,1-dichloropropene	4.637	75	27837	3.7519	ug/L		98
47) carbon tetrachloride	4.518	117	30710	3.7666	ug/L		98
49) tert-amyl alcohol	4.946	55	11694	19.6090	ug/L	#	84
52) iso-octane	4.692	57	81716	3.8291	ug/L		92
53) benzene	4.798	78	79105	3.6797	ug/L		96
54) tert-amyl methyl ether	4.846	73	66602	3.5983	ug/L		97
55) heptane	4.746	57	12520	4.1240	ug/L		85
56) isopropyl acetate	5.029	87	5792	3.2750	ug/L		97
57) 1,2-dichloroethane	4.923	62	33685	3.7718	ug/L		96
58) n-butyl alcohol	5.312	56	89846	190.9065	ug/L		97
59) ethyl acrylate	5.479	55	43124	3.7199	ug/L		98
60) trichloroethene	5.167	130	19139	3.7393	ug/L		90
61) 2-nitropropane	6.309	41	12654	3.8210	ug/L	#	66
62) 2-chloroethyl vinyl ether	5.926	63	72583	19.6293	ug/L		97
63) methyl methacrylate	5.621	100	7409	3.6367	ug/L	#	83
64) 1,2-dichloropropane	5.515	63	21260	3.4909	ug/L		100
65) methylcyclohexane	5.174	98	14871	3.9366	ug/L	#	77
66) dibromomethane	5.457	93	12652	3.7693	ug/L		89
67) bromodichloromethane	5.544	83	27995	3.9633	ug/L		81
68) epichlorohydrin	6.158	57	25243	19.0637	ug/L		96
69) cis-1,3-dichloropropene	5.994	75	32925	3.6029	ug/L		91
70) 4-methyl-2-pentanone	6.386	58	56679	14.6229	ug/L		87
71) 3-methyl-1-butanol	6.219	70	27265	72.8168	ug/L		91
74) toluene	6.161	92	49851	3.5986	ug/L		94
75) ethyl methacrylate	6.495	69	30976	3.6575	ug/L		96
76) trans-1,3-dichloropropene	6.425	75	32855	3.6706	ug/L		95
77) 1,1,2-trichloroethane	6.528	83	14998	3.5952	ug/L		95
78) tetrachloroethene	6.425	166	20252	3.9362	ug/L		72
79) 2-hexanone	6.907	58	63625	14.9677	ug/L		94
80) 1,3-dichloropropane	6.711	76	32633	3.6590	ug/L		89
81) butyl acetate	6.830	56	23237	3.7646	ug/L		89
82) dibromochloromethane	6.656	129	20071	3.8630	ug/L		88
83) 1,2-dibromoethane	6.817	107	18418	3.7898	ug/L		89
84) n-butyl ether	7.013	57	105720	3.7408	ug/L		98
85) chlorobenzene	7.119	112	53895	3.8179	ug/L		95
86) 1,1,1,2-tetrachloroethane	7.155	131	18690	3.8240	ug/L		95
87) ethylbenzene	7.122	91	97903	3.6723	ug/L		92
88) m,p-xylene	7.203	106	72730	7.7750	ug/L		92
89) o-xylene	7.454	106	35138	3.8256	ug/L		99
90) styrene	7.482	104	58074	3.7438	ug/L		90
91) bromoform	7.515	173	14984	3.4598	ug/L		98
92) butyl acrylate	7.521	55	58482	3.6513	ug/L		98
93) isopropylbenzene	7.624	105	87953	3.9164	ug/L		99
94) n-amyl acetate	7.659	70	18545	3.6383	ug/L	#	89
95) cis-1,4-dichloro-2-butene	7.814	88	9978	2.6758	ug/L		82
98) bromobenzene	7.855	156	22792	3.9472	ug/L		89
99) 1,1,2,2-tetrachloroethane	7.884	83	27717	3.6565	ug/L		97
100) trans-1,4-dichloro-2-b...	7.978	53	13004	3.6816	ug/L		94
101) 1,2,3-trichloropropane	7.971	110	10053	3.9763	ug/L		90
102) n-propylbenzene	7.849	91	100586	3.8472	ug/L		98
103) 2-chlorotoluene	7.945	126	20938	3.8451	ug/L	#	86
104) 4-chlorotoluene	8.032	91	65797	3.7785	ug/L		98
105) 1,3,5-trimethylbenzene	7.945	105	68467	3.7889	ug/L		96
106) tert-butylbenzene	8.119	119	59760	3.8516	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 2K23803.D
Acq On : 5 Sep 2025 11:41 pm
Operator : PrashanS
Sample : IC658-4
Misc : MS95614,V2K658,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 08 12:57:33 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 12:55:35 2025
Response via : Initial Calibration

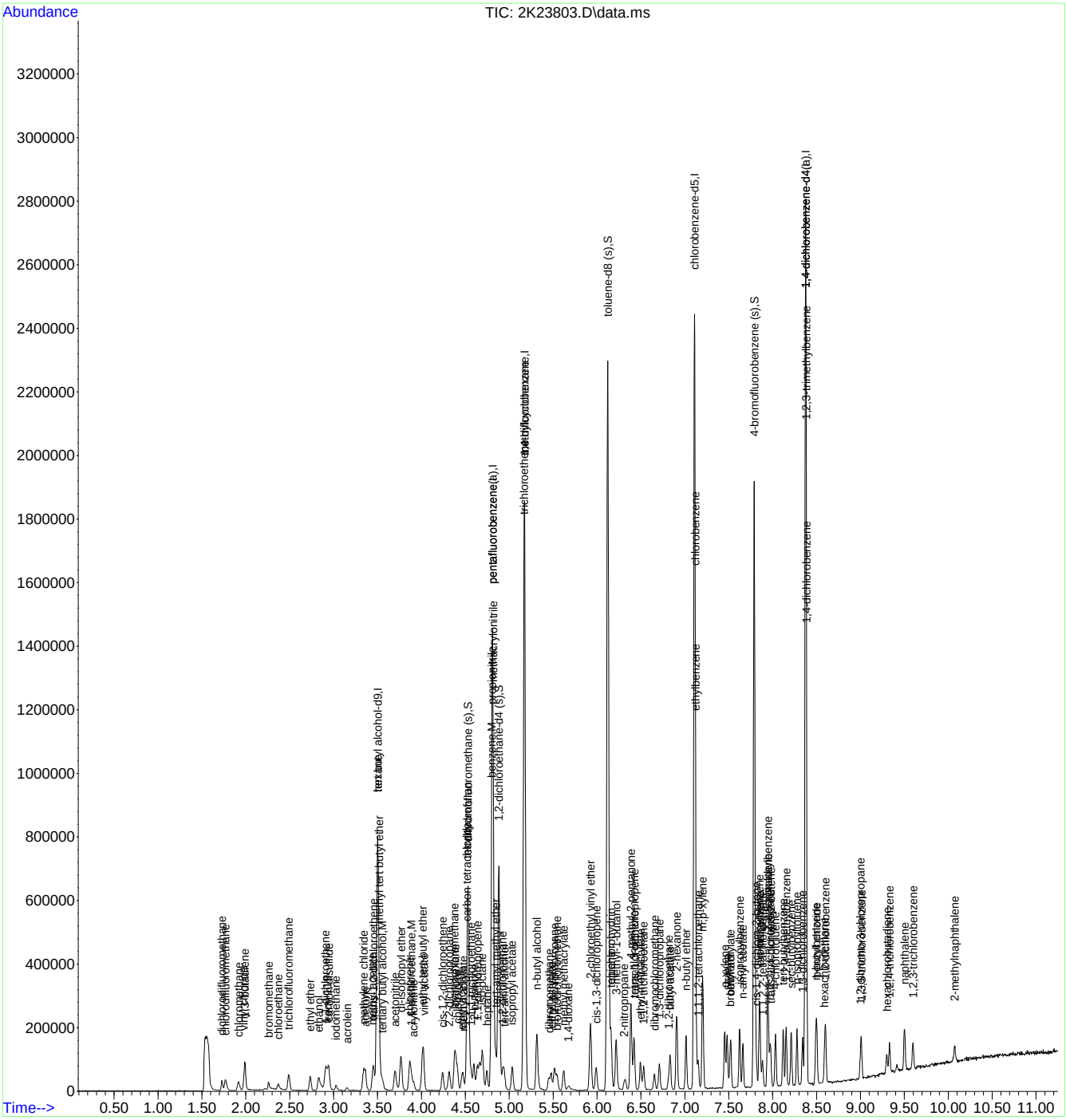
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
107) 1,2,4-trimethylbenzene	8.154	105	69134	3.8876	ug/L	96
108) sec-butylbenzene	8.212	105	78556	3.9259	ug/L	96
109) 1,3-dichlorobenzene	8.341	146	41598	3.8973	ug/L	92
110) p-isopropyltoluene	8.277	119	65656	3.6458	ug/L	97
111) 1,4-dichlorobenzene	8.386	146	40822	3.8443	ug/L	89
112) 1,2-dichlorobenzene	8.601	146	39824	3.9471	ug/L	97
113) 1,2,3-trimethylbenzene	8.383	105	70597	3.7249	ug/L	87
114) n-butylbenzene	8.492	92	33869	3.8921	ug/L	94
115) 1,2-dibromo-3-chloropr...	9.000	157	9398	4.0366	ug/L	88
116) 1,3,5-trichlorobenzene	9.013	180	21698	3.6529	ug/L	94
117) 1,2,4-trichlorobenzene	9.331	180	19867	3.8690	ug/L	99
118) hexachlorobutadiene	9.302	225	7581	3.9826	ug/L	83
119) naphthalene	9.502	128	71199	3.8721	ug/L	96
120) 1,2,3-trichlorobenzene	9.598	180	18901	3.8462	ug/L	89
121) hexachloroethane	8.589	119	12656	3.8303	ug/L	84
122) benzyl chloride	8.502	126	13543	3.9539	ug/L	100
123) 2-methylnaphthalene	10.071	142	17843	1.9140	ug/L	85

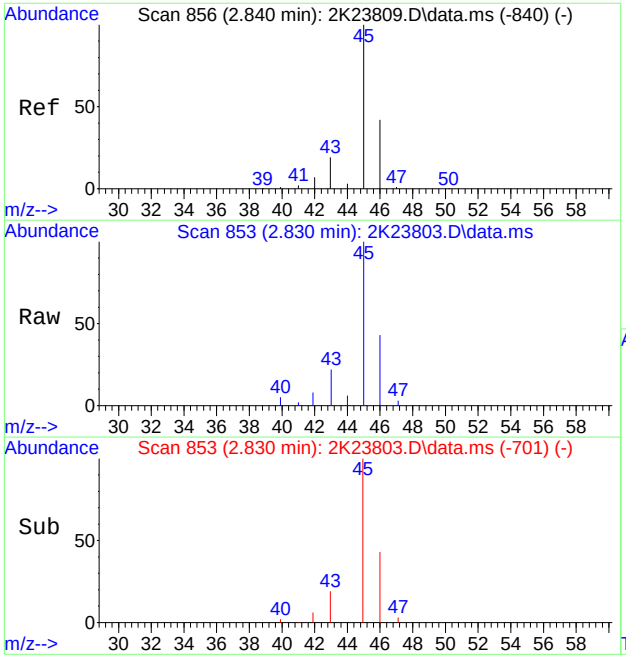
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 2K23803.D
Acq On : 5 Sep 2025 11:41 pm
Operator : PrashanS
Sample : IC658-4
Misc : MS95614,V2K658,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 08 12:57:33 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 12:55:35 2025
Response via : Initial Calibration

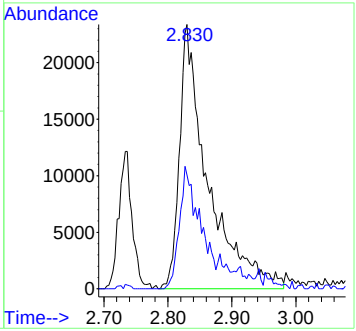


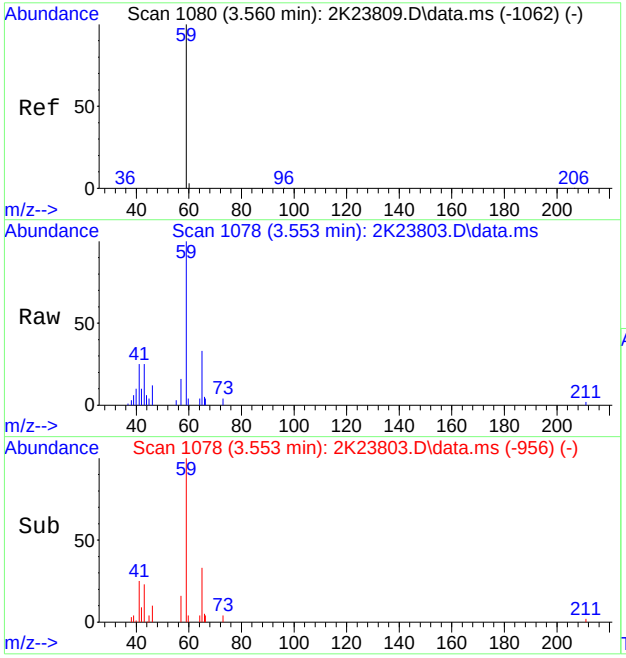


#2
ethanol
Concen: 404.49 ug/L
RT: 2.830 min Scan# 853
Delta R.T. -0.010 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 45 Resp: 72073

Ion	Ratio	Lower	Upper
45	100		
46	43.0	21.3	61.3

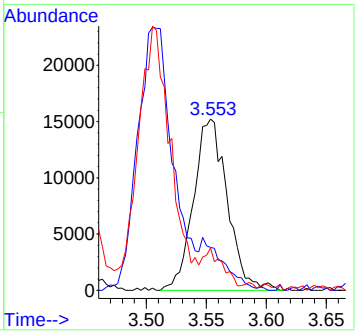


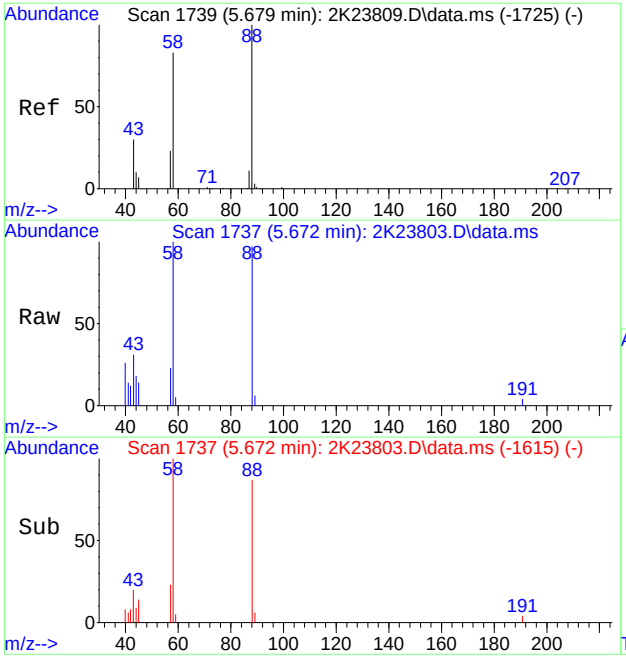


#3
tertiary butyl alcohol
Concen: 18.30 ug/L
RT: 3.553 min Scan# 1078
Delta R.T. -0.007 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 59 Resp: 29807

Ion	Ratio	Lower	Upper
59	100		
41	25.1	0.0	30.0
43	24.8	0.0	45.5

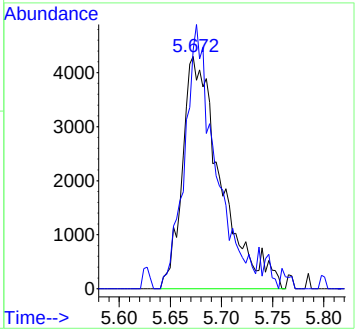


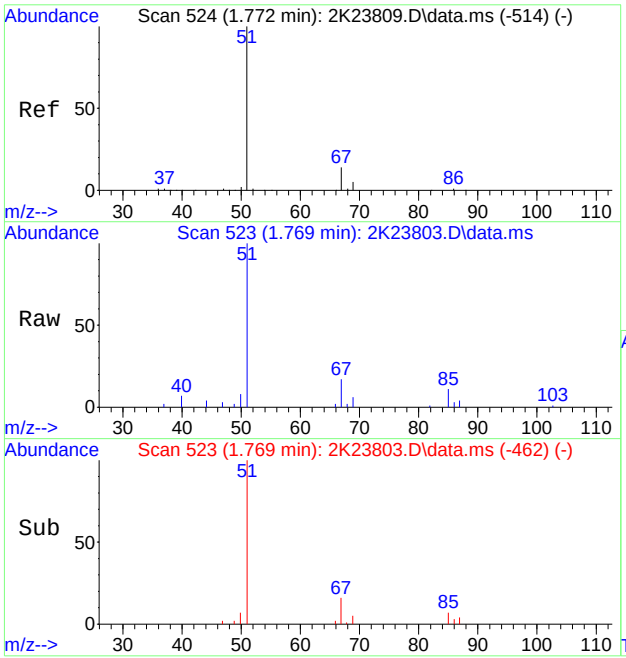


#4
1,4-dioxane
Concen: 99.29 ug/L m
RT: 5.672 min Scan# 1737
Delta R.T. -0.007 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 88 Resp: 11259

Ion	Ratio	Lower	Upper
88	100		
58	102.7	64.5	104.5

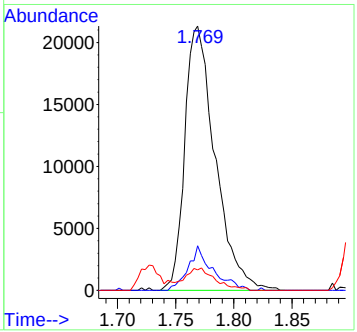


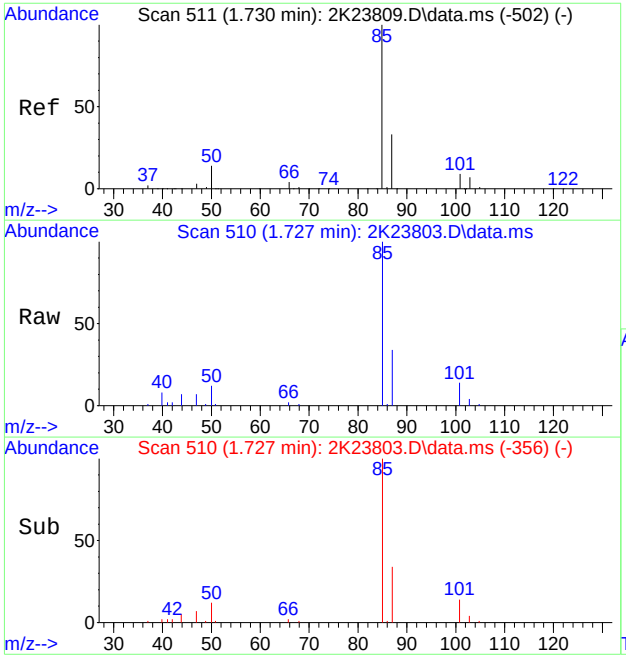


#6
chlorodifluoromethane
Concen: 3.99 ug/L
RT: 1.769 min Scan# 523
Delta R.T. -0.003 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 51 Resp: 38726

Ion	Ratio	Lower	Upper
51	100		
67	16.9	0.0	44.0
50	7.8	0.0	37.4

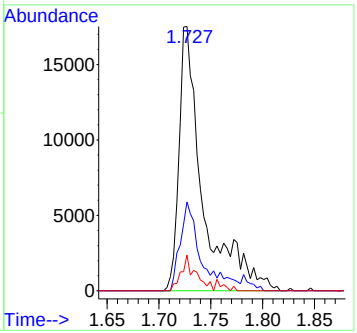


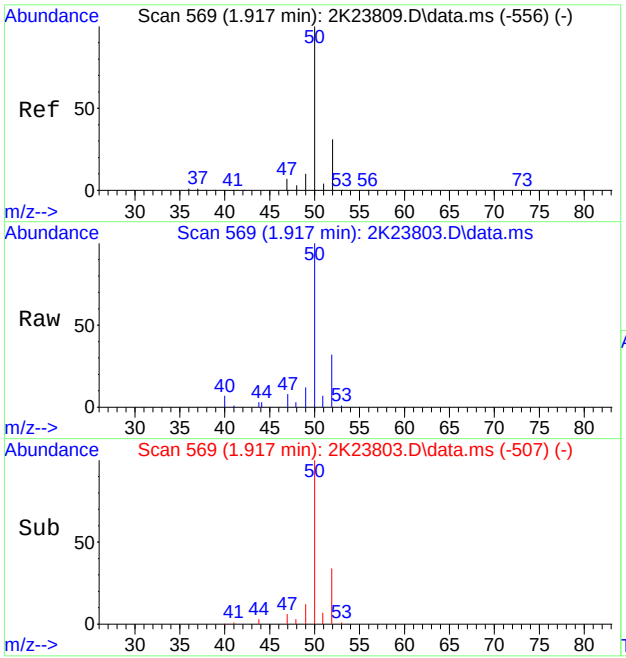


#7
dichlorodifluoromethane
Concen: 3.93 ug/L
RT: 1.727 min Scan# 510
Delta R.T. -0.003 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 85 Resp: 28050

Ion	Ratio	Lower	Upper
85	100		
87	33.6	3.4	63.4
101	13.6	0.0	39.0

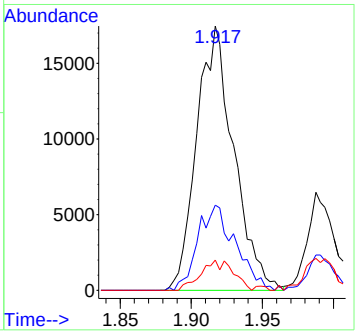


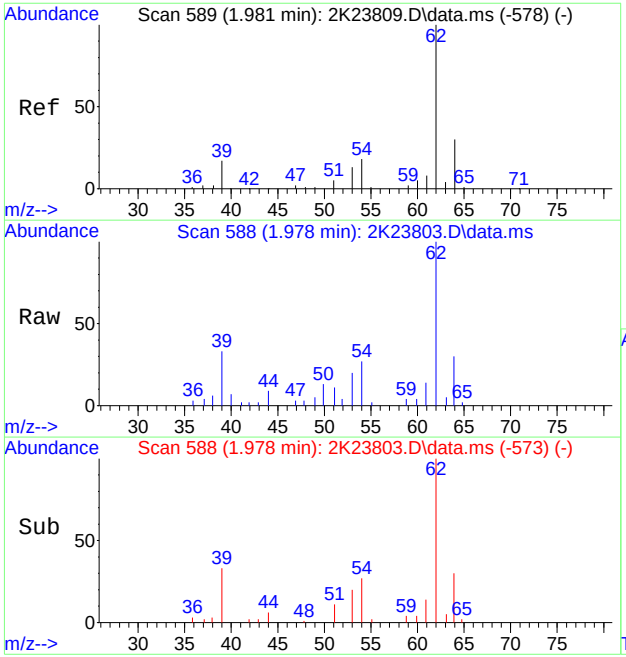


#8
chloromethane
Concen: 3.76 ug/L
RT: 1.917 min Scan# 569
Delta R.T. -0.000 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 50 Resp: 31674

Ion	Ratio	Lower	Upper
50	100		
52	32.2	0.8	60.8
49	11.5	0.0	40.1

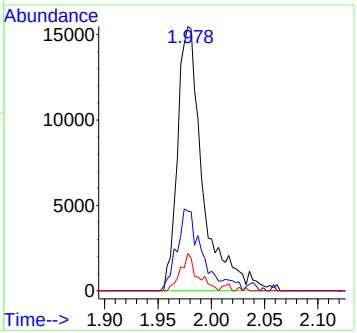


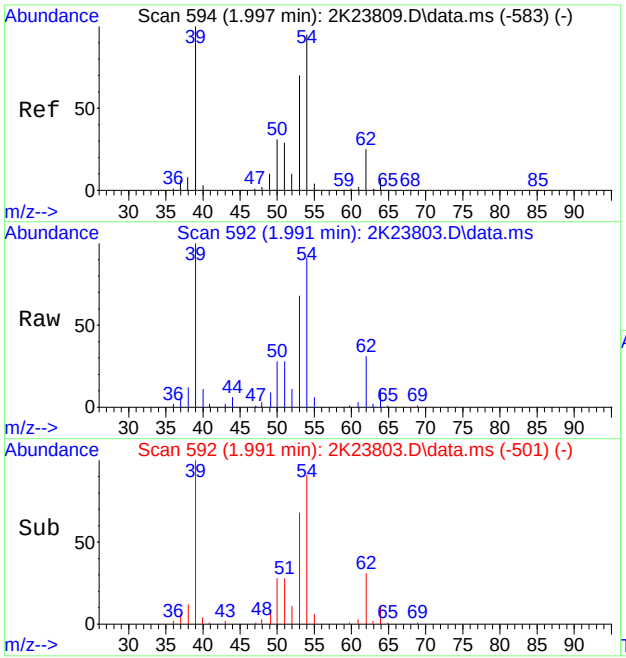


#9
vinyl chloride
Concen: 3.80 ug/L
RT: 1.978 min Scan# 588
Delta R.T. -0.003 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 62 Resp: 25773

Ion	Ratio	Lower	Upper
62	100		
64	30.2	0.0	60.0
61	14.1	0.0	37.6

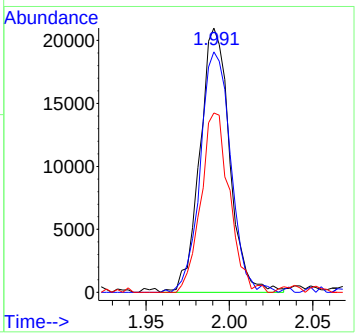


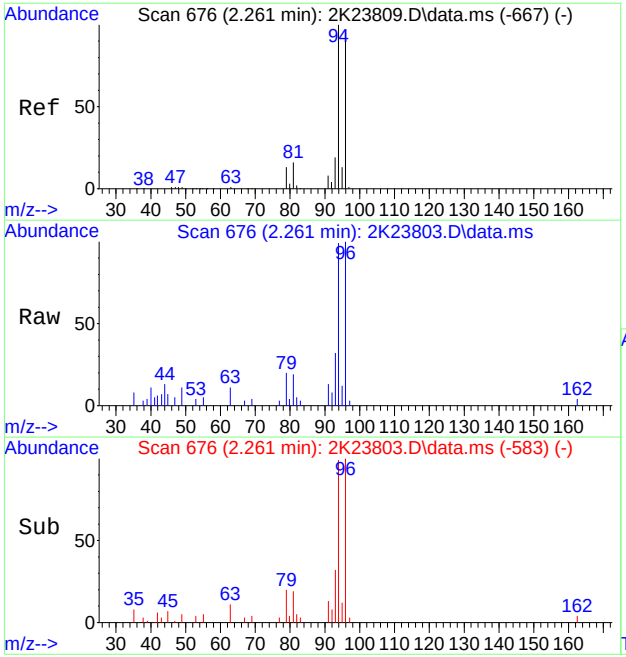


#10
1,3-butadiene
Concen: 3.67 ug/L
RT: 1.991 min Scan# 592
Delta R.T. -0.007 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 39 Resp: 26003

Ion	Ratio	Lower	Upper
39	100		
54	90.9	65.4	125.4
53	67.8	40.3	100.3

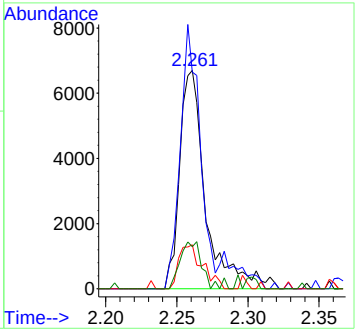


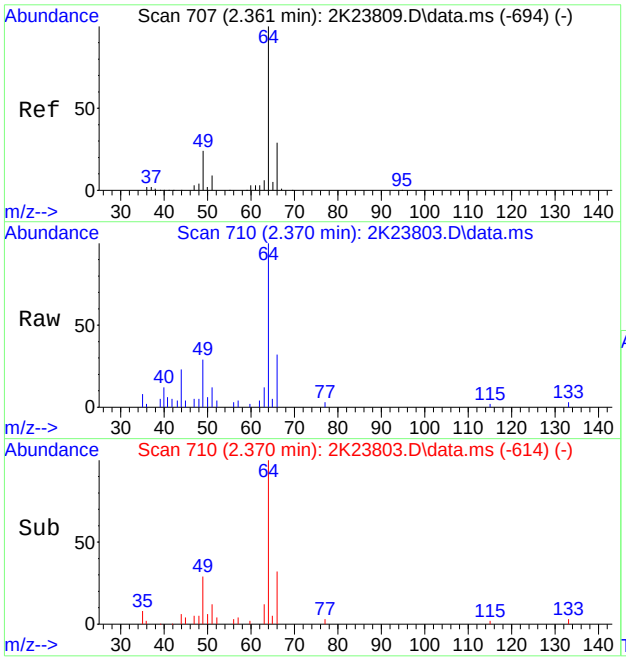


#11
bromomethane
Concen: 4.04 ug/L
RT: 2.261 min Scan# 676
Delta R.T. -0.000 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 96 Resp: 8567

Ion	Ratio	Lower	Upper
96	100		
94	99.3	74.5	134.5
79	20.2	13.7	13.7#
81	19.4	0.0	36.3

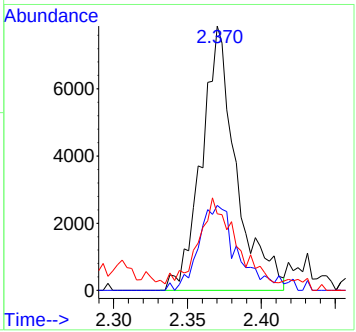


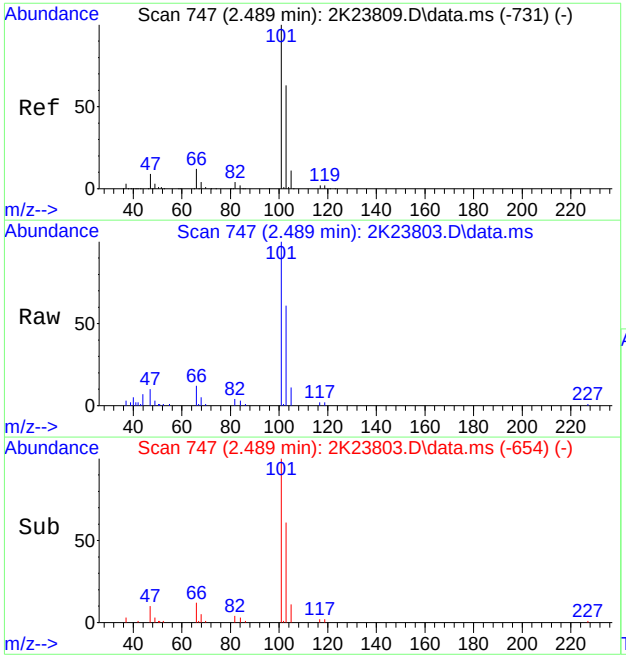


#12
chloroethane
Concen: 3.63 ug/L
RT: 2.370 min Scan# 710
Delta R.T. 0.010 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 64 Resp: 12770

Ion	Ratio	Lower	Upper
64	100		
66	32.1	0.0	59.3
49	25.5	0.0	54.3

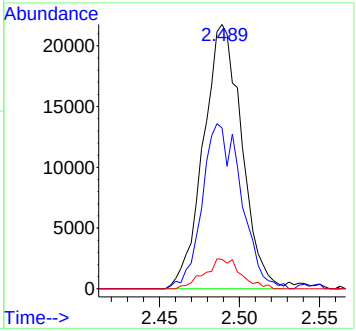


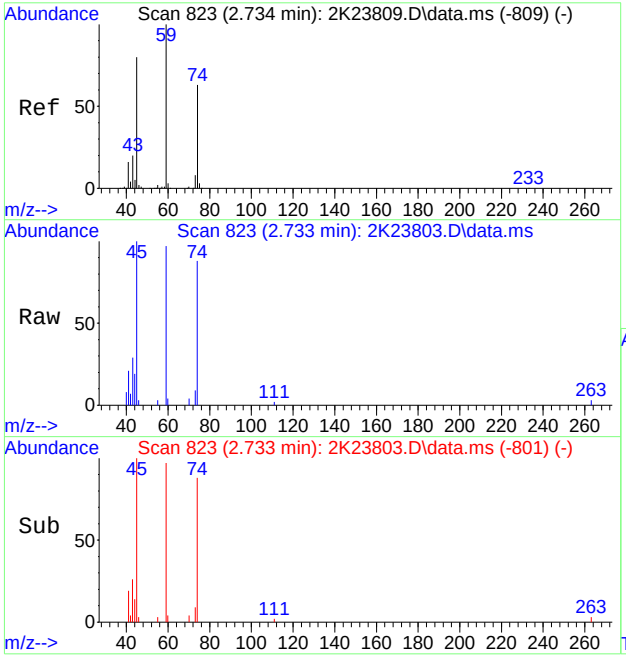


#13
trichlorofluoromethane
Concen: 3.85 ug/L
RT: 2.489 min Scan# 747
Delta R.T. -0.000 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion:101 Resp: 36221

Ion	Ratio	Lower	Upper
101	100		
103	60.8	33.3	93.3
105	11.1	0.0	40.7

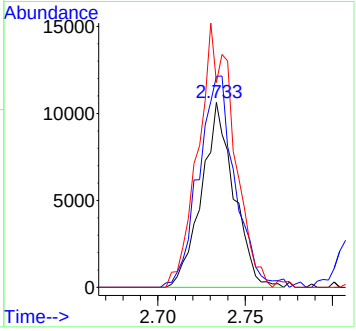


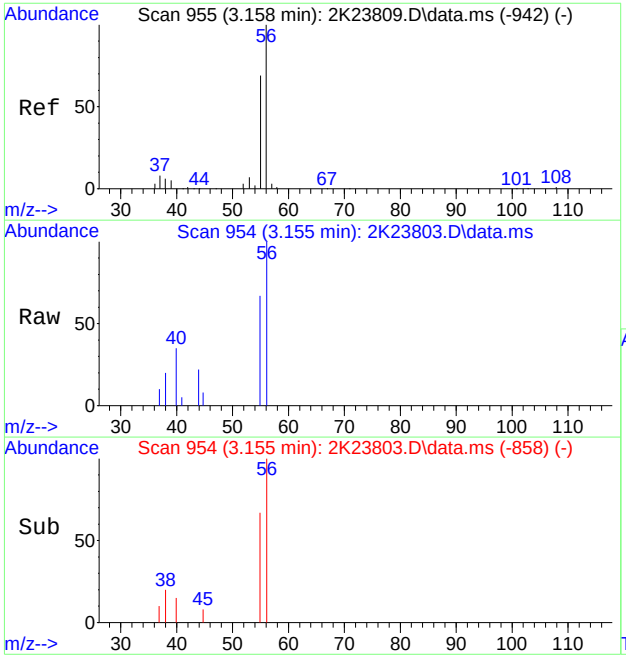


#14
ethyl ether
Concen: 4.11 ug/L
RT: 2.733 min Scan# 823
Delta R.T. -0.000 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 74 Resp: 13738

Ion	Ratio	Lower	Upper
74	100		
45	114.1	96.7	156.7
59	110.7	128.9	188.9#

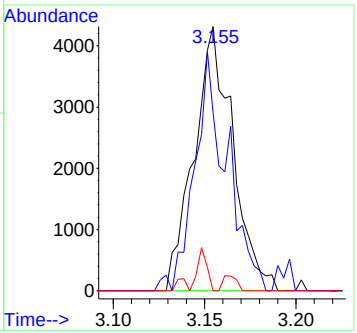


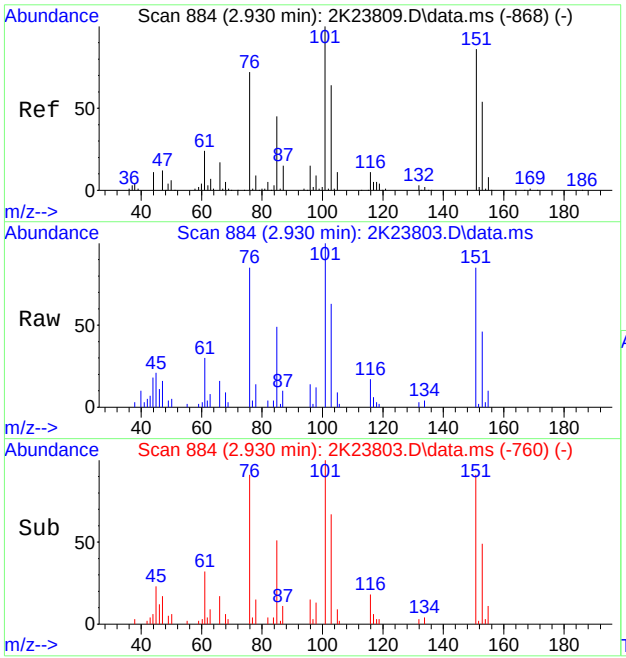


#15
acrolein
Concen: 3.52 ug/L
RT: 3.155 min Scan# 954
Delta R.T. -0.003 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 56 Resp: 6409

Ion	Ratio	Lower	Upper
56	100		
55	63.3	38.7	98.7
53	0.0	0.0	37.4

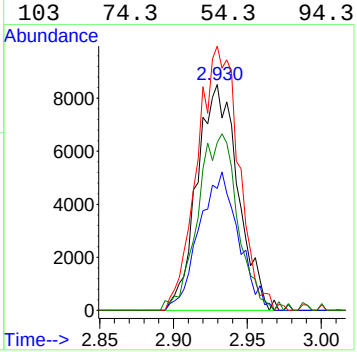


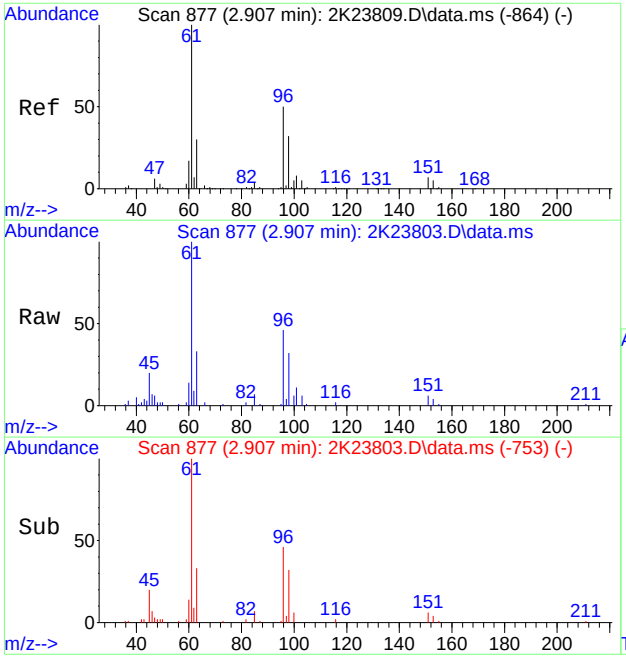


#16
freon 113
Concen: 3.84 ug/L
RT: 2.930 min Scan# 884
Delta R.T. -0.000 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion:151 Resp: 16342

Ion	Ratio	Lower	Upper
151	100		
153	54.0	43.0	83.0
101	117.1	95.9	135.9
103	74.3	54.3	94.3

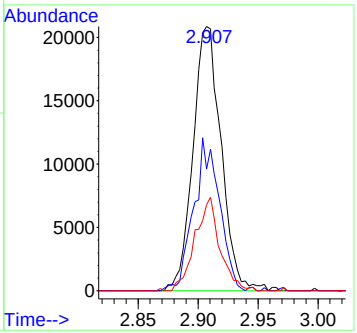


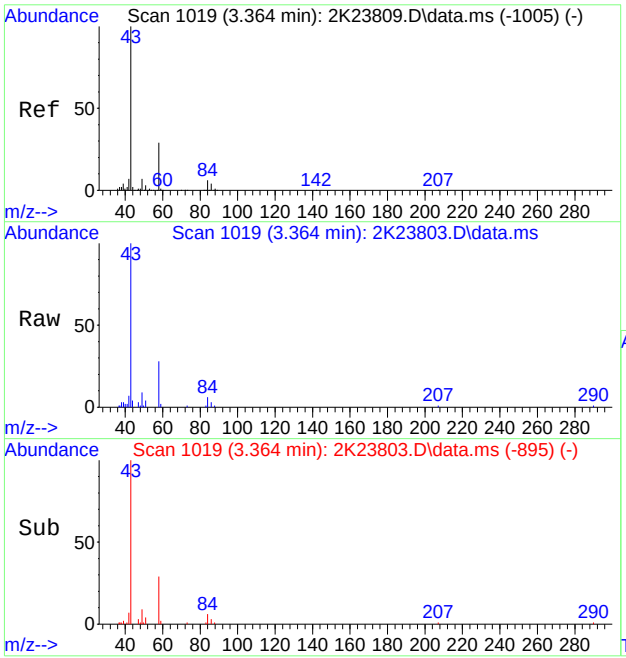


#17
1,1-dichloroethene
Concen: 3.85 ug/L
RT: 2.907 min Scan# 877
Delta R.T. -0.000 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 61 Resp: 34174

Ion	Ratio	Lower	Upper
61	100		
96	46.0	19.8	79.8
63	31.7	0.4	60.4

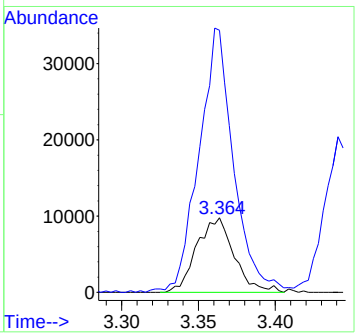


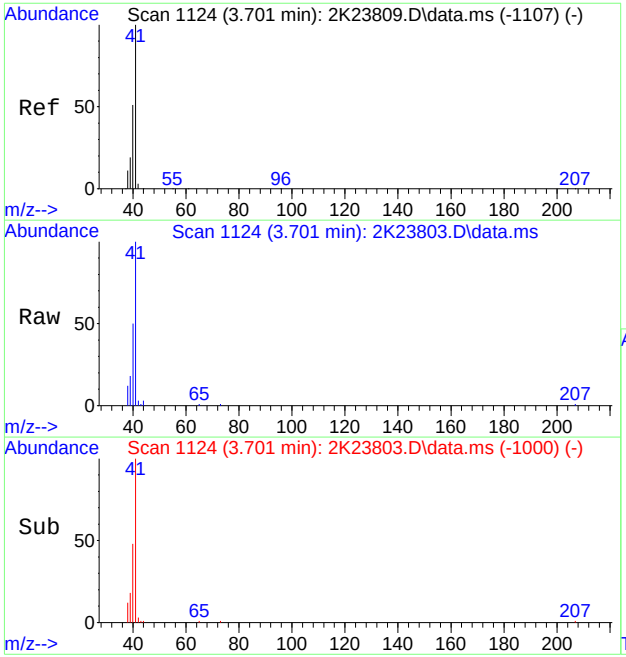


#18
acetone
Concen: 14.68 ug/L
RT: 3.364 min Scan# 1019
Delta R.T. -0.000 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 58 Resp: 16551

Ion	Ratio	Lower	Upper
58	100		
43	347.6	317.9	377.9

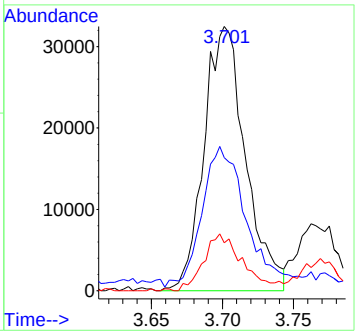


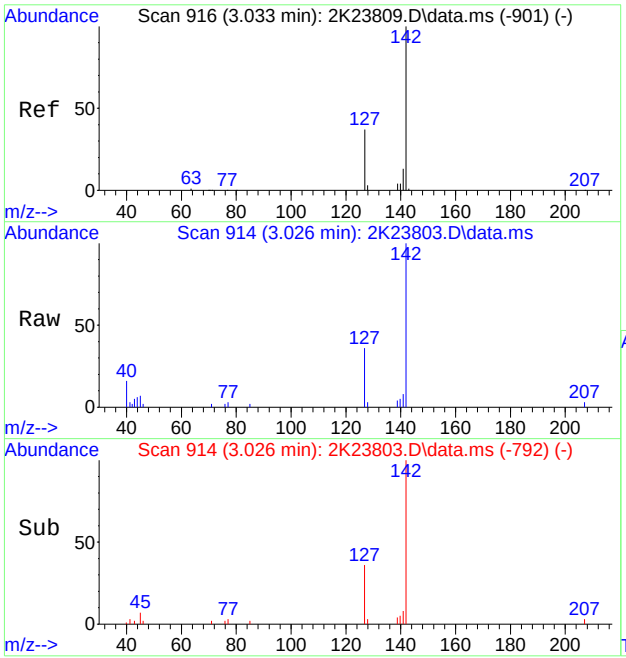


#19
acetonitrile
Concen: 39.97 ug/L
RT: 3.701 min Scan# 1124
Delta R.T. -0.000 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 41 Resp: 65901

Ion	Ratio	Lower	Upper
41	100		
40	46.0	20.7	80.7
39	18.1	0.0	48.9

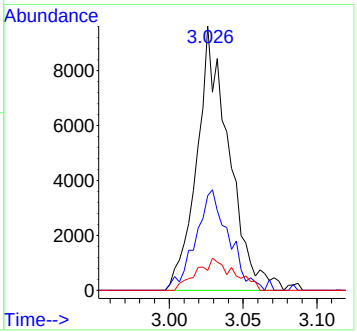


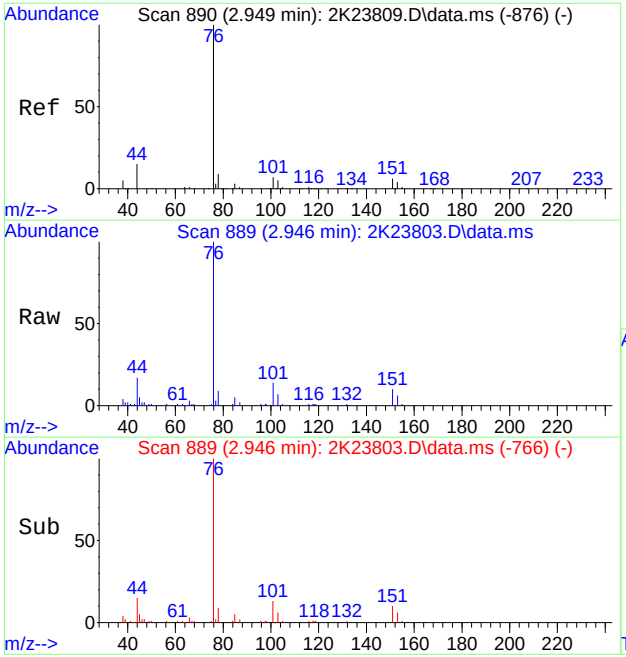


#20
iodomethane
Concen: 3.29 ug/L
RT: 3.026 min Scan# 914
Delta R.T. -0.007 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion:142 Resp: 14513

Ion	Ratio	Lower	Upper
142	100		
127	35.8	7.2	67.2
141	7.6	0.0	43.3

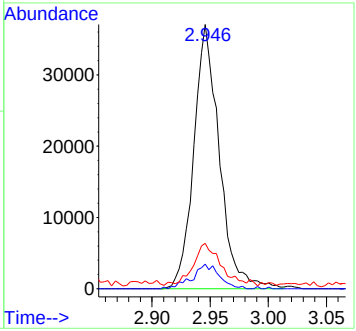


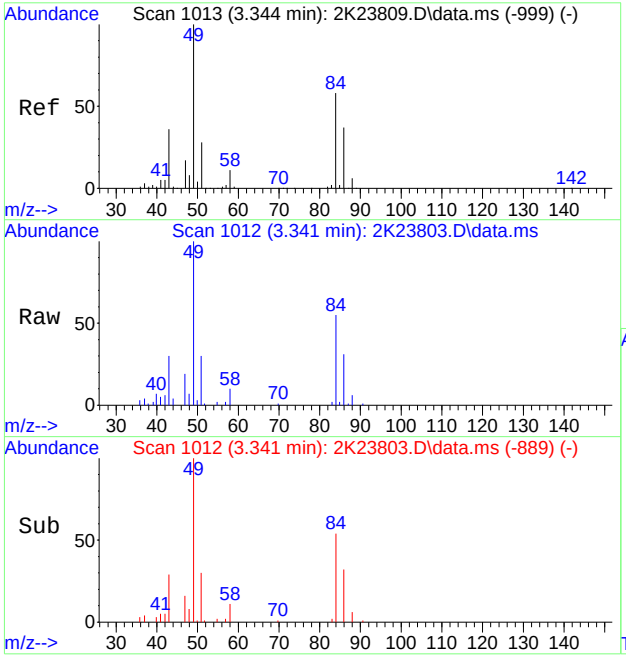


#21
carbon disulfide
Concen: 3.78 ug/L
RT: 2.946 min Scan# 889
Delta R.T. -0.003 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 76 Resp: 56769

Ion	Ratio	Lower	Upper
76	100		
78	9.4	0.0	39.4
44	15.4	0.0	44.9

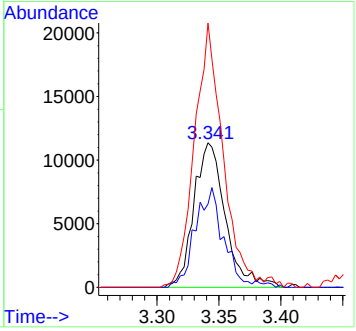


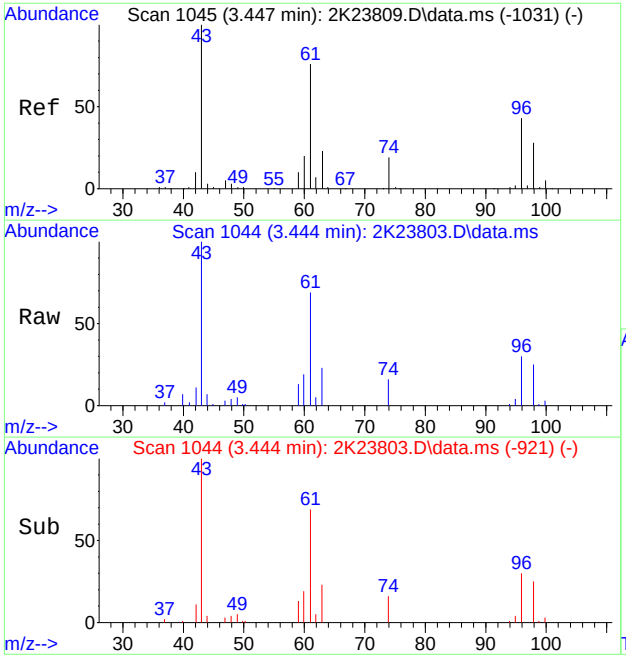


#22
methylene chloride
Concen: 3.83 ug/L
RT: 3.341 min Scan# 1012
Delta R.T. -0.003 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 84 Resp: 20063

Ion	Ratio	Lower	Upper
84	100		
86	57.5	33.4	93.4
49	182.8	141.9	201.9

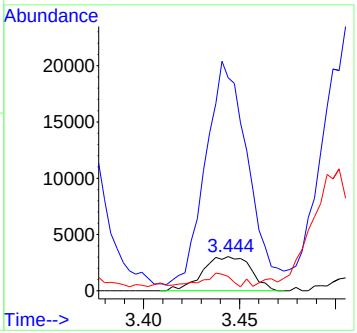


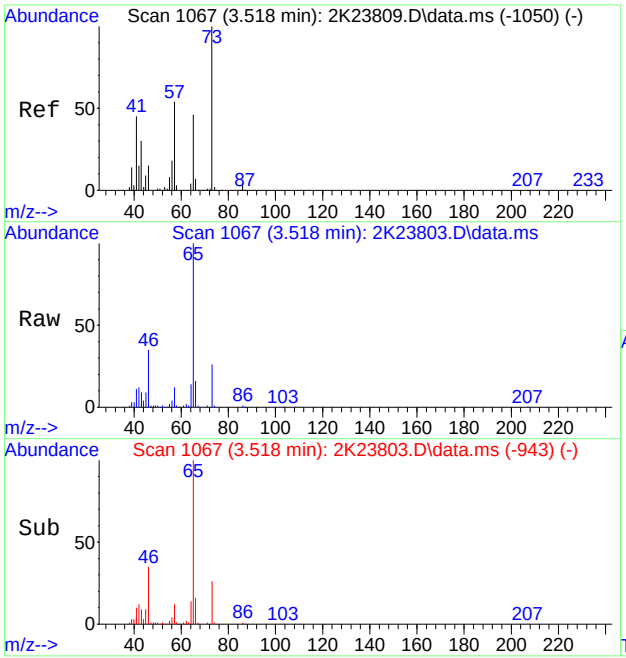


#23
methyl acetate
Concen: 3.41 ug/L
RT: 3.444 min Scan# 1044
Delta R.T. -0.003 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 74 Resp: 5322

Ion	Ratio	Lower	Upper
74	100		
43	599.8	492.7	552.7#
44	18.2	0.0	46.4

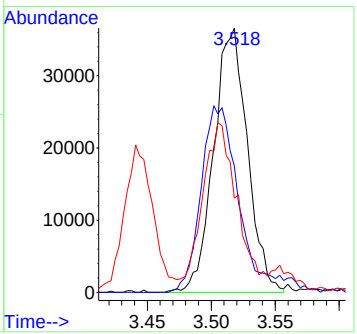


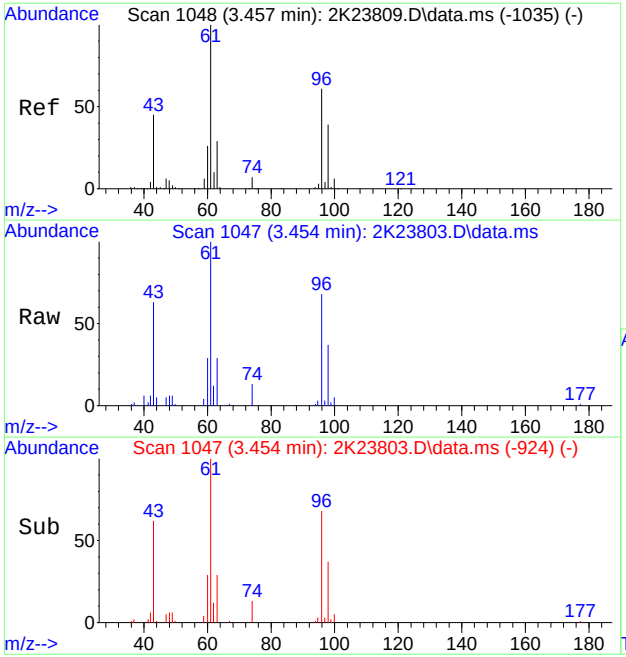


#24
methyl tert butyl ether
Concen: 3.64 ug/L
RT: 3.518 min Scan# 1067
Delta R.T. -0.000 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 73 Resp: 67007

Ion	Ratio	Lower	Upper
73	100		
57	47.8	23.8	83.8
43	28.7	11.7	71.7

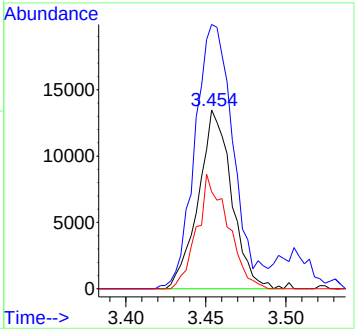


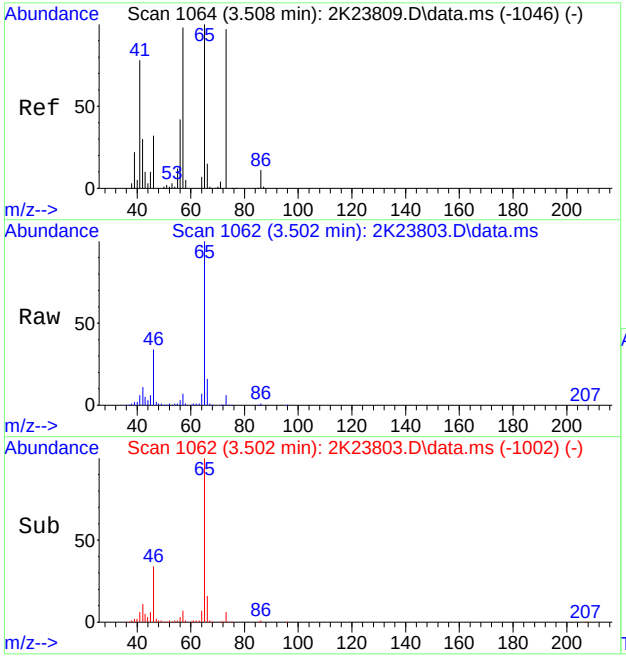


#25
trans-1,2-dichloroethene
Concen: 3.68 ug/L
RT: 3.454 min Scan# 1047
Delta R.T. -0.003 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 96 Resp: 19528

Ion	Ratio	Lower	Upper
96	100		
61	146.0	132.8	192.8
98	54.3	34.2	94.2

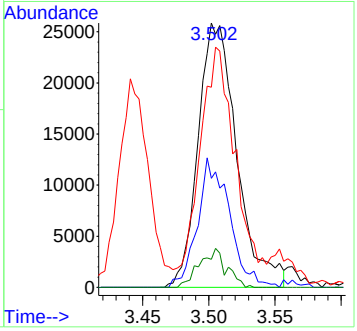


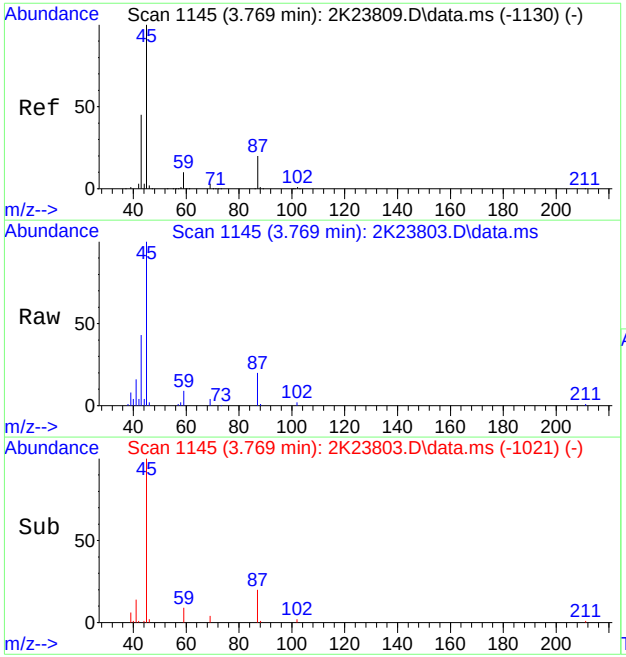


#26
hexane
Concen: 3.66 ug/L
RT: 3.502 min Scan# 1062
Delta R.T. -0.007 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 57 Resp: 52666

Ion	Ratio	Lower	Upper
57	100		
56	41.2	22.5	62.5
43	65.8	45.1	85.1
86	10.6	0.0	31.0

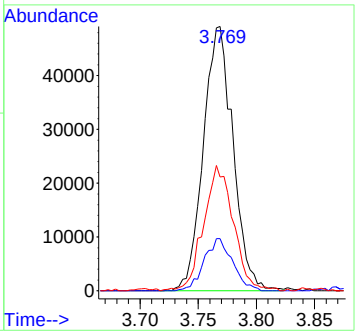


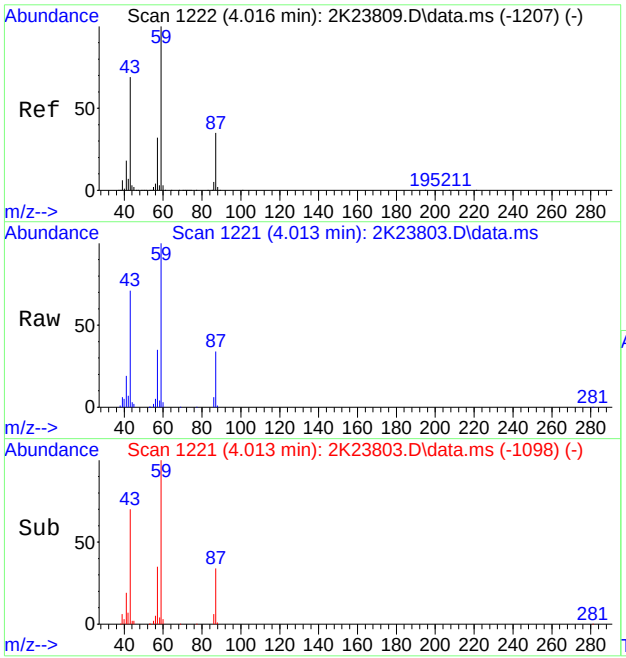


#27
di-isopropyl ether
Concen: 3.74 ug/L
RT: 3.769 min Scan# 1145
Delta R.T. -0.000 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 45 Resp: 87164

Ion	Ratio	Lower	Upper
45	100		
87	19.7	0.0	49.8
43	43.0	15.4	75.4

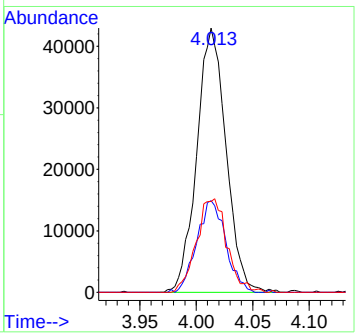


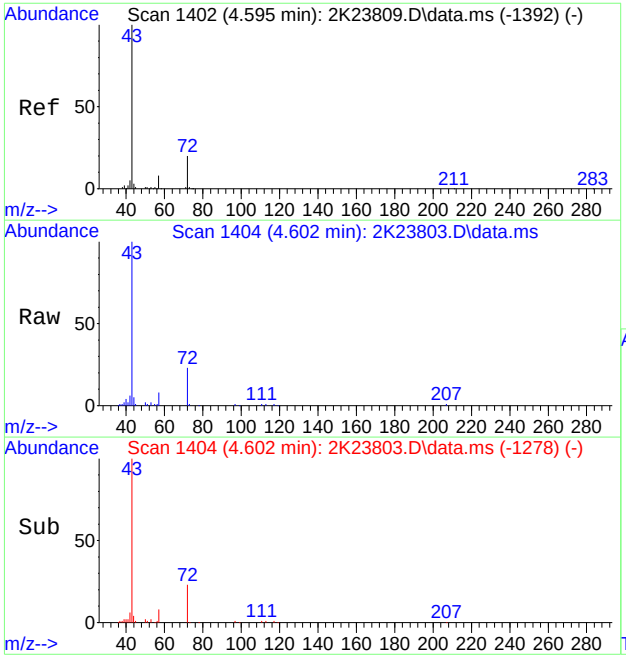


#28
ethyl tert-butyl ether
Concen: 3.75 ug/L
RT: 4.013 min Scan# 1221
Delta R.T. -0.003 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 59 Resp: 77392

Ion	Ratio	Lower	Upper
59	100		
57	34.7	1.6	61.6
87	34.3	5.2	65.2

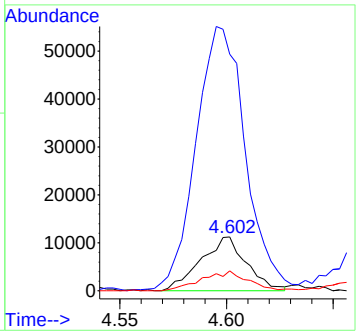


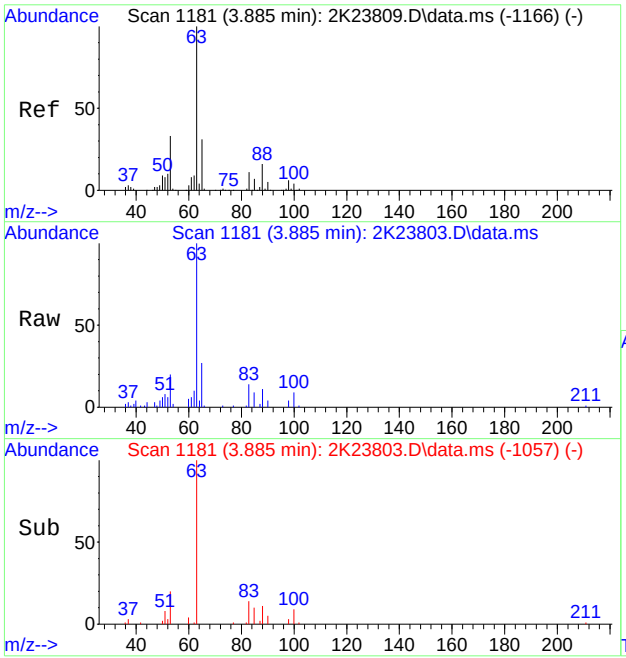


#29
2-butanone
Concen: 14.47 ug/L
RT: 4.602 min Scan# 1404
Delta R.T. 0.006 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 72 Resp: 16769

Ion	Ratio	Lower	Upper
72	100		
43	425.6	461.8	521.8#
57	37.1	7.0	67.0

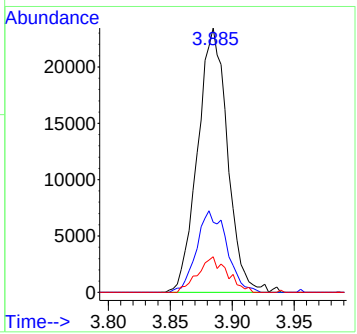


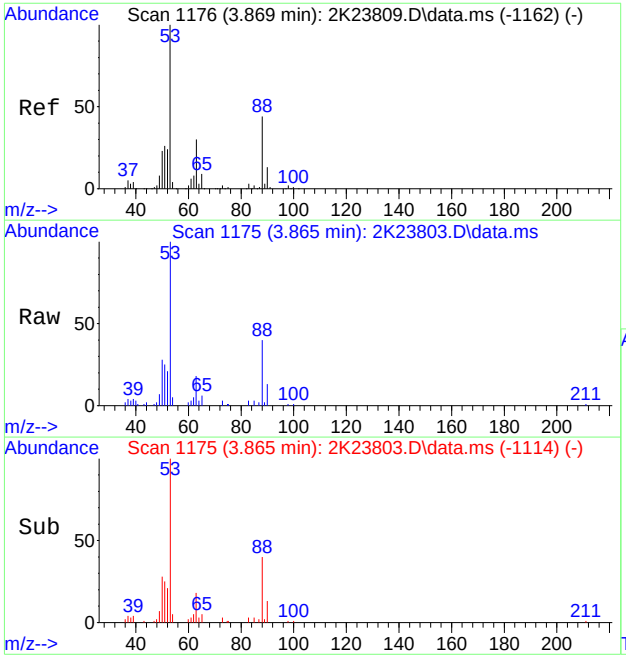


#30
1,1-dichloroethane
Concen: 3.62 ug/L
RT: 3.885 min Scan# 1181
Delta R.T. -0.000 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 63 Resp: 39283

Ion	Ratio	Lower	Upper
63	100		
65	26.5	0.5	60.5
83	13.5	0.0	41.0

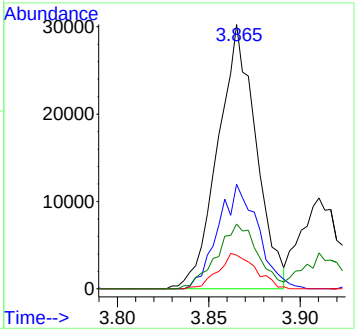


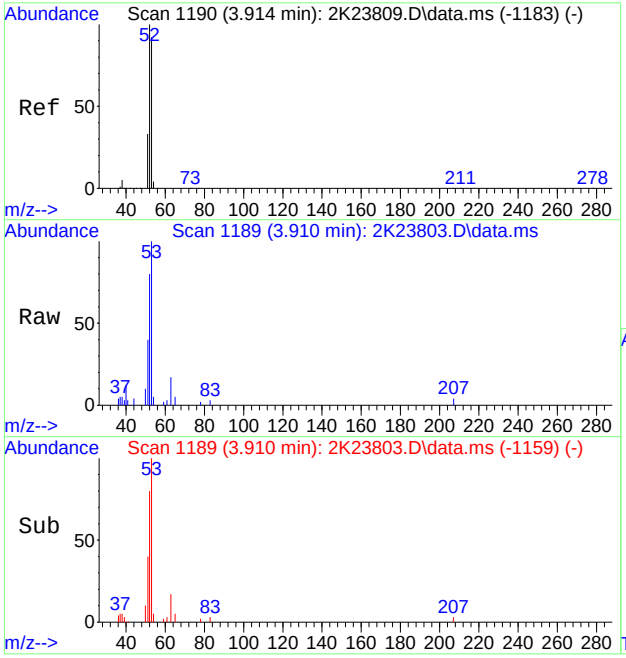


#31
chloroprene
Concen: 3.80 ug/L
RT: 3.865 min Scan# 1175
Delta R.T. -0.003 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 53 Resp: 43937

Ion	Ratio	Lower	Upper
53	100		
88	39.6	14.2	74.2
90	12.7	0.0	42.9
51	24.5	0.0	55.9

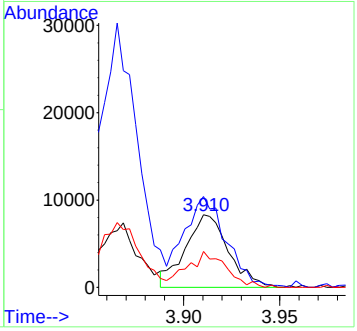


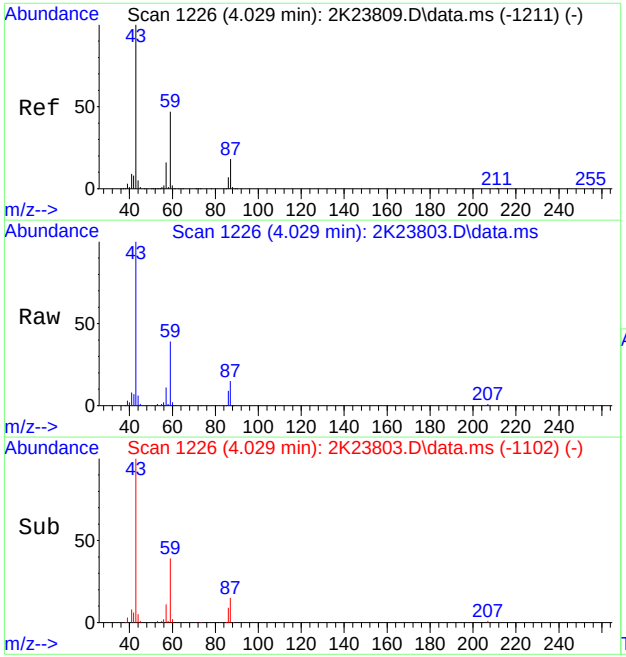


#32
acrylonitrile
Concen: 3.77 ug/L
RT: 3.910 min Scan# 1189
Delta R.T. -0.003 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 52 Resp: 12944

Ion	Ratio	Lower	Upper
52	100		
53	123.0	92.5	152.5
51	49.7	9.1	69.1

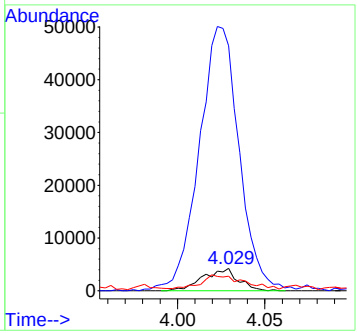


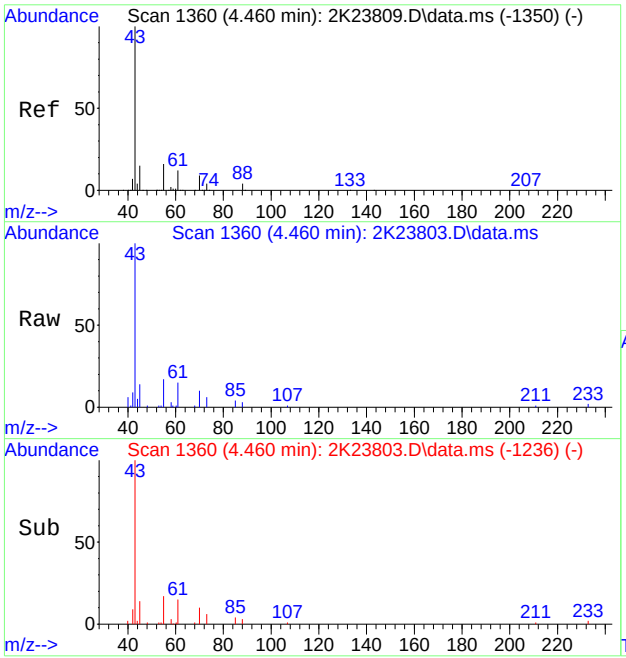


#33
vinyl acetate
Concen: 4.26 ug/L
RT: 4.029 min Scan# 1226
Delta R.T. -0.000 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 86 Resp: 5940

Ion	Ratio	Lower	Upper
86	100		
43	1080.3	1321.8	1381.8#
44	53.3	32.5	92.5

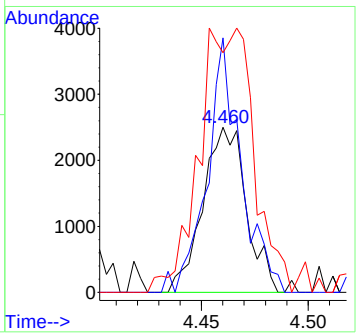


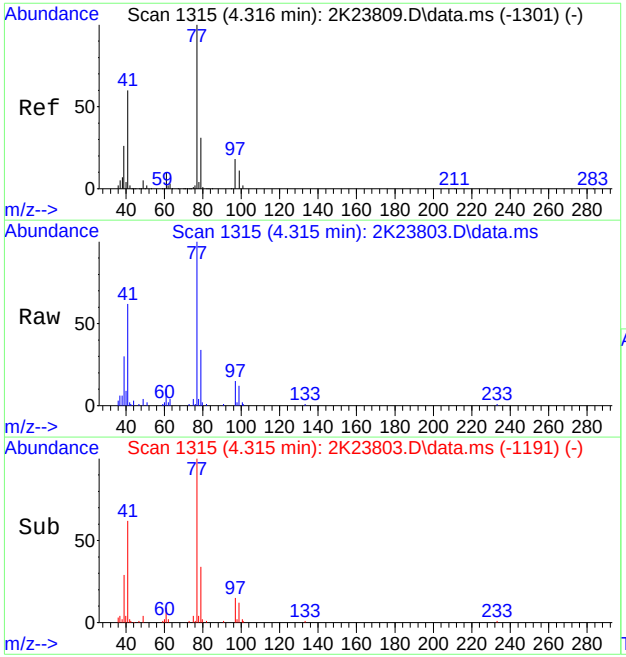


#34
ethyl acetate
Concen: 3.36 ug/L
RT: 4.460 min Scan# 1360
Delta R.T. -0.000 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 70 Resp: 3549

Ion	Ratio	Lower	Upper
70	100		
61	154.2	105.6	165.6
45	135.2	135.3	195.3#

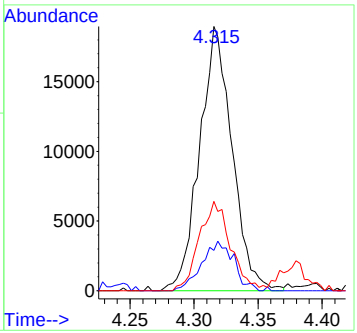


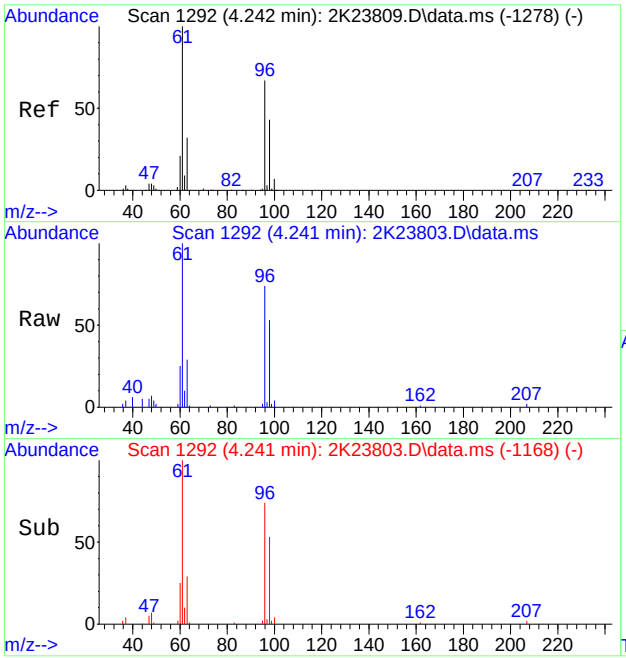


#35
2,2-dichloropropane
Concen: 3.87 ug/L
RT: 4.315 min Scan# 1315
Delta R.T. -0.000 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 77 Resp: 33586

Ion	Ratio	Lower	Upper
77	100		
97	15.3	0.0	47.7
79	33.8	0.6	60.6

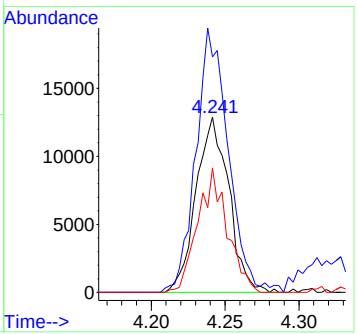


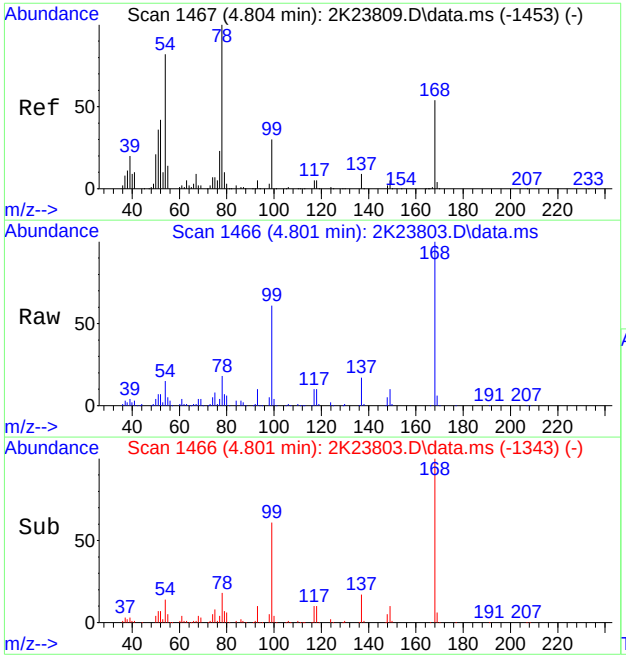


#36
cis-1,2-dichloroethene
Concen: 3.50 ug/L
RT: 4.241 min Scan# 1292
Delta R.T. -0.000 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 96 Resp: 19869

Ion	Ratio	Lower	Upper
96	100		
61	134.3	118.2	178.2
98	70.9	34.3	94.3

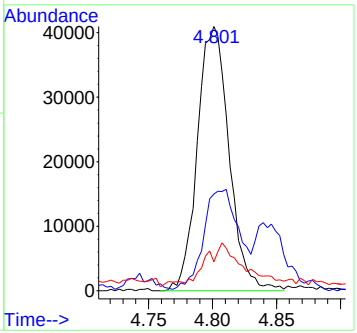


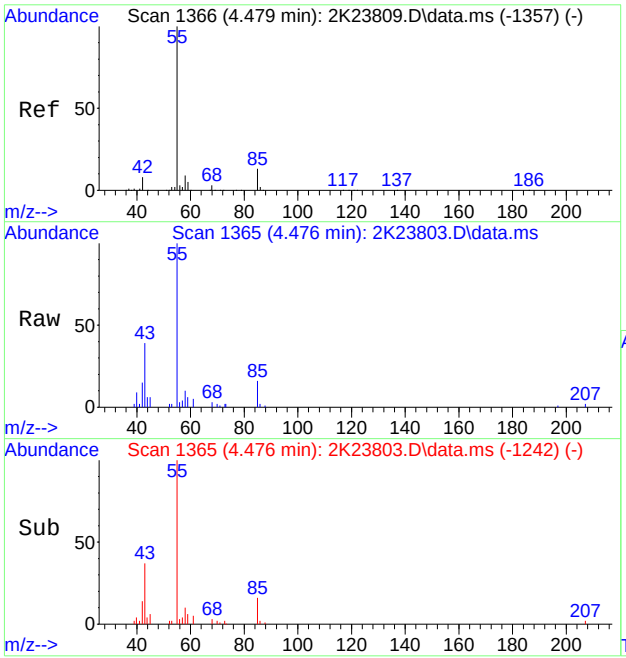


#37
propionitrile
Concen: 38.18 ug/L
RT: 4.801 min Scan# 1466
Delta R.T. -0.003 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 54 Resp: 70701

Ion	Ratio	Lower	Upper
54	100		
55	34.0	0.0	48.6
40	9.4	0.0	41.7

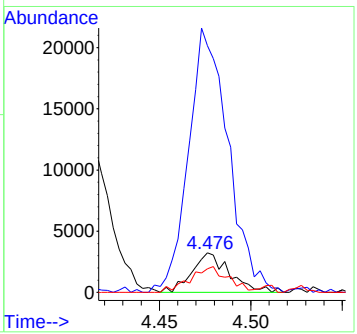


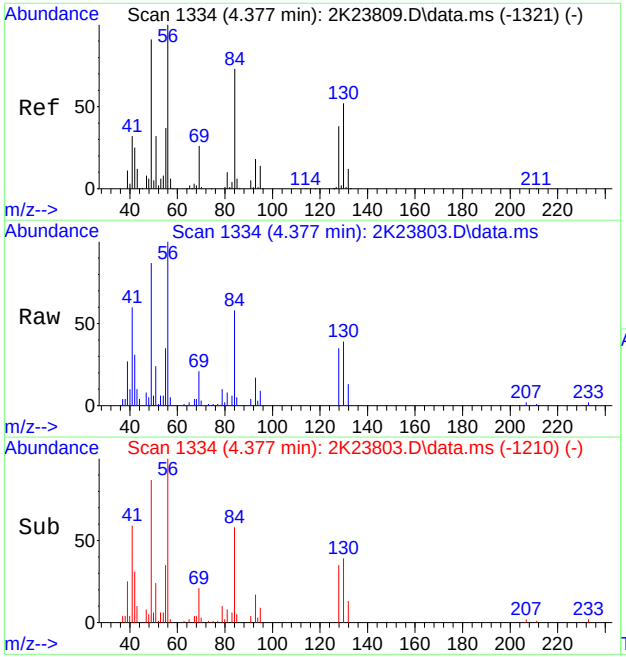


#38
methyl acrylate
Concen: 3.46 ug/L
RT: 4.476 min Scan# 1365
Delta R.T. -0.003 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 85 Resp: 4674

Ion	Ratio	Lower	Upper
85	100		
55	621.8	726.6	766.6#
58	59.6	49.4	89.4

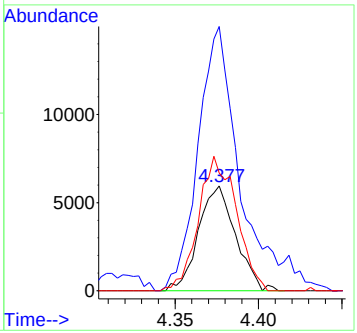


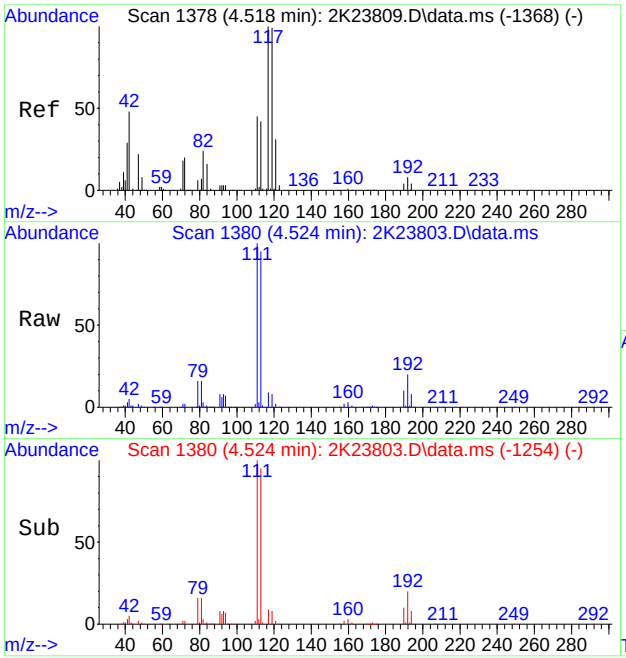


#39
bromochloromethane
Concen: 3.80 ug/L
RT: 4.377 min Scan# 1334
Delta R.T. -0.000 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion:128 Resp: 9191

Ion	Ratio	Lower	Upper
128	100		
49	252.1	213.9	273.9
130	112.4	107.4	167.4

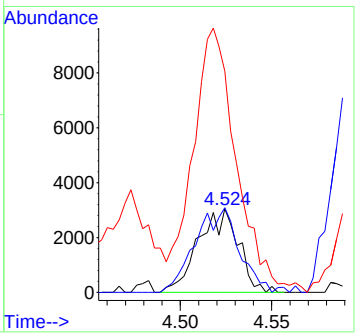


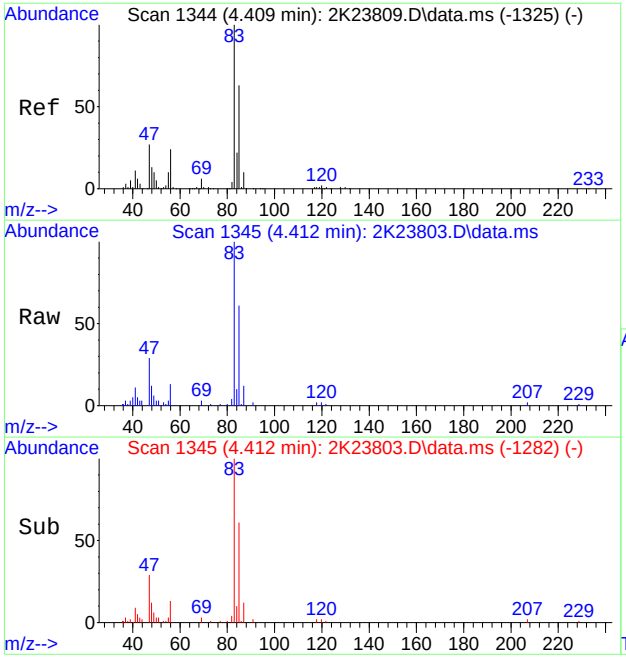


#40
tetrahydrofuran
Concen: 3.79 ug/L
RT: 4.524 min Scan# 1380
Delta R.T. 0.006 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 71 Resp: 4658

Ion	Ratio	Lower	Upper
71	100		
72	101.5	75.2	135.2
42	254.1	288.0	348.0#

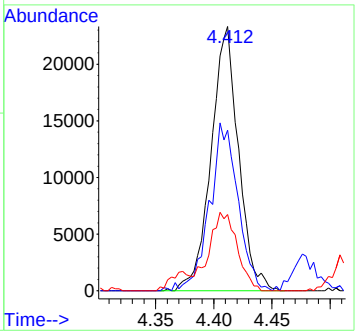


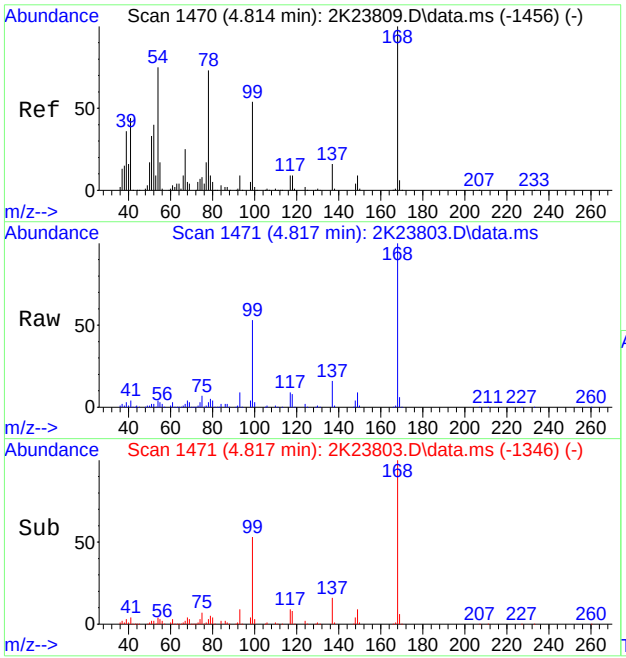


#41
chloroform
Concen: 3.56 ug/L
RT: 4.412 min Scan# 1345
Delta R.T. 0.003 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 83 Resp: 38314

Ion	Ratio	Lower	Upper
83	100		
85	60.8	33.0	93.0
47	28.9	0.0	56.9

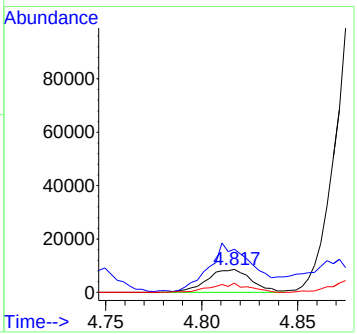


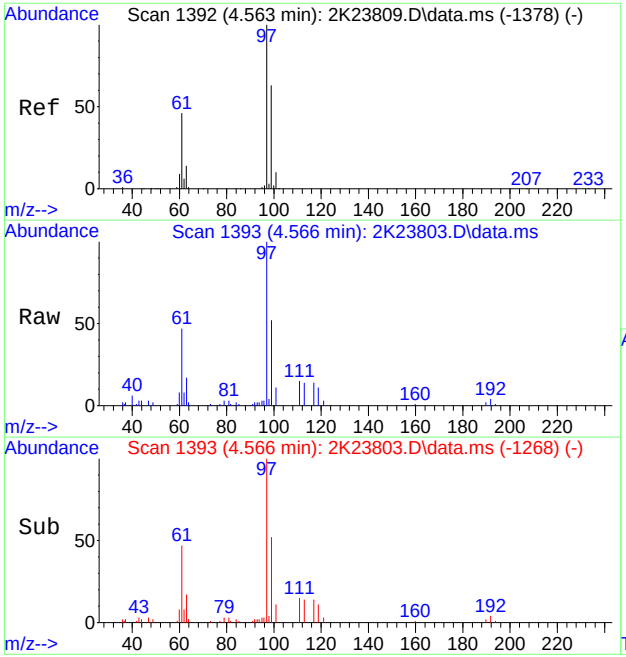


#43
methacrylonitrile
Concen: 3.52 ug/L
RT: 4.817 min Scan# 1471
Delta R.T. 0.003 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 67 Resp: 13908

Ion	Ratio	Lower	Upper
67	100		
41	180.9	145.5	205.5
66	40.1	4.7	64.7

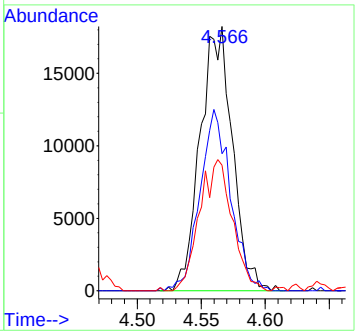


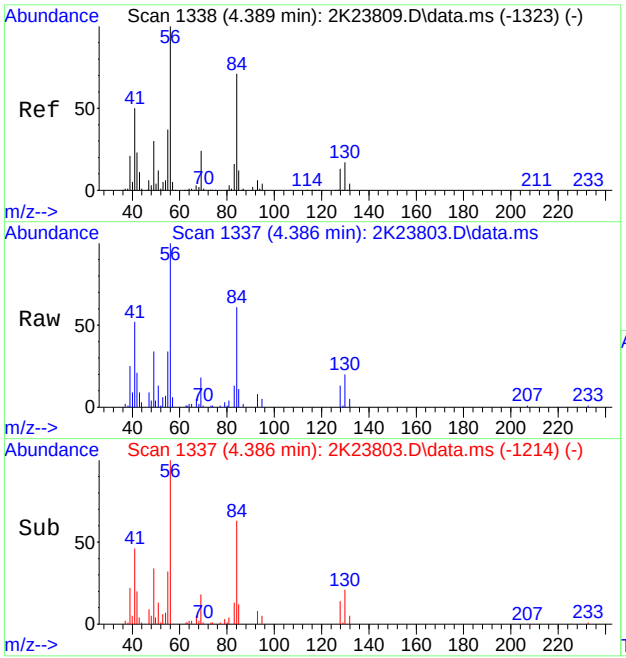


#44
1,1,1-trichloroethane
Concen: 3.62 ug/L
RT: 4.566 min Scan# 1393
Delta R.T. 0.003 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 97 Resp: 31947

Ion	Ratio	Lower	Upper
97	100		
99	51.8	32.8	92.8
61	46.2	16.5	76.5

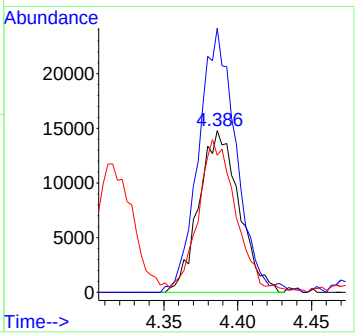


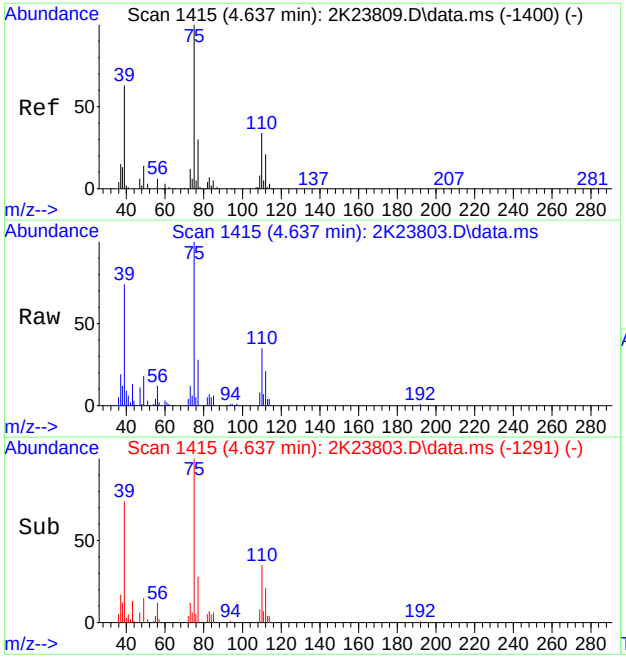


#45
cyclohexane
Concen: 3.62 ug/L
RT: 4.386 min Scan# 1337
Delta R.T. -0.003 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 84 Resp: 27871

Ion	Ratio	Lower	Upper
84	100		
56	163.6	120.0	160.0#
41	82.7	58.4	98.4

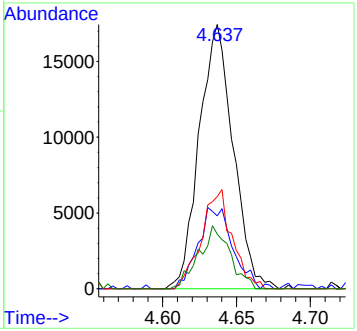


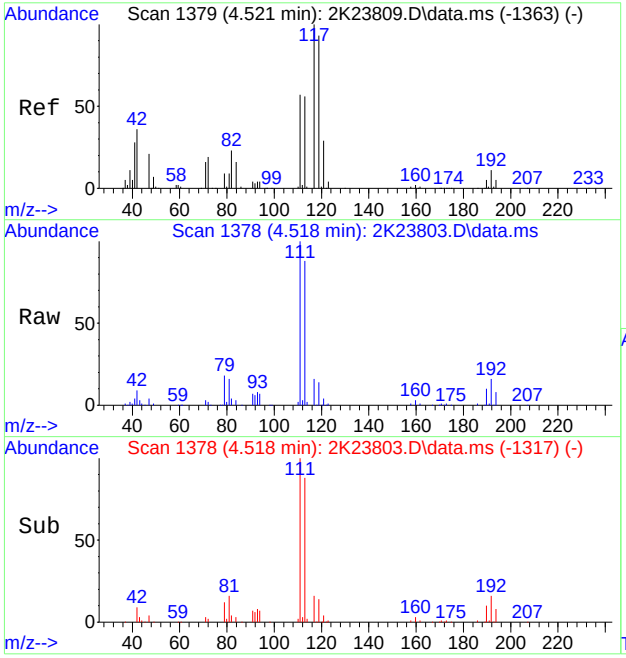


#46
1,1-dichloropropene
Concen: 3.75 ug/L
RT: 4.637 min Scan# 1415
Delta R.T. -0.000 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 75 Resp: 27837

Ion	Ratio	Lower	Upper
75	100		
77	27.6	10.5	50.5
110	34.9	14.4	54.4
112	20.7	0.7	40.7

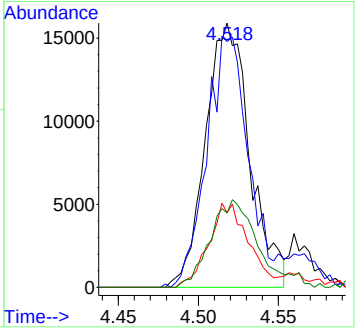


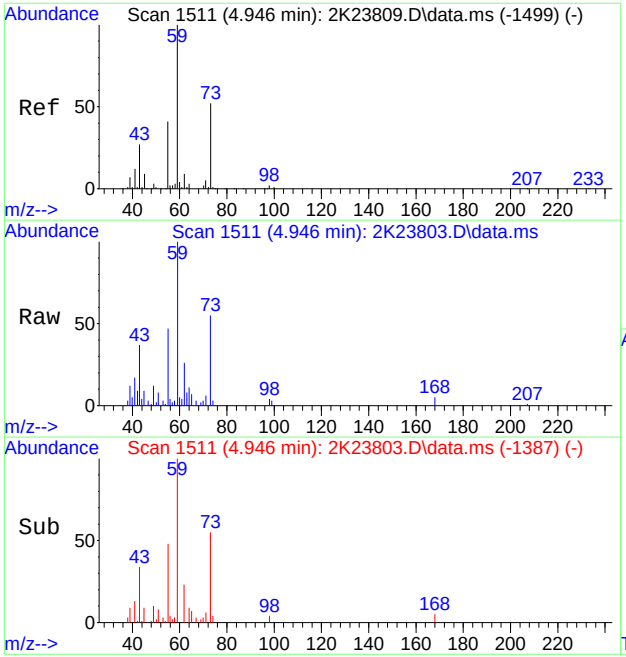


#47
carbon tetrachloride
Concen: 3.77 ug/L
RT: 4.518 min Scan# 1378
Delta R.T. -0.003 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion:117 Resp: 30710

Ion	Ratio	Lower	Upper
117	100		
119	93.0	72.9	112.9
121	28.2	9.2	49.2
82	28.1	2.9	42.9

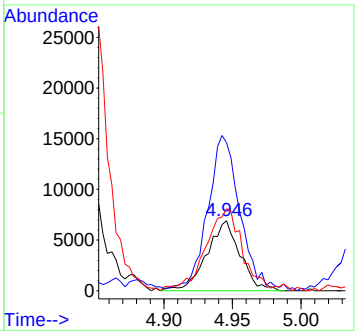


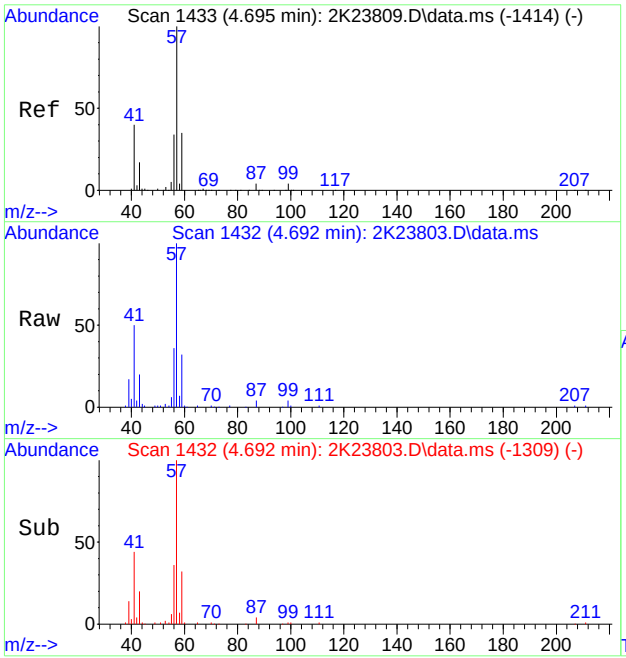


#49
tert-amyl alcohol
Concen: 19.61 ug/L
RT: 4.946 min Scan# 1511
Delta R.T. -0.000 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 55 Resp: 11694

Ion	Ratio	Lower	Upper
55	100		
59	205.4	218.4	258.4#
73	117.1	106.6	146.6

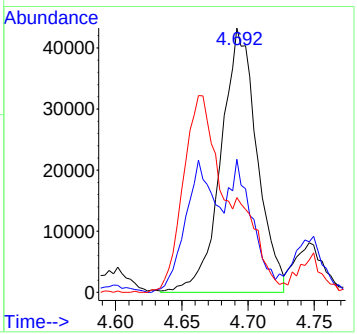


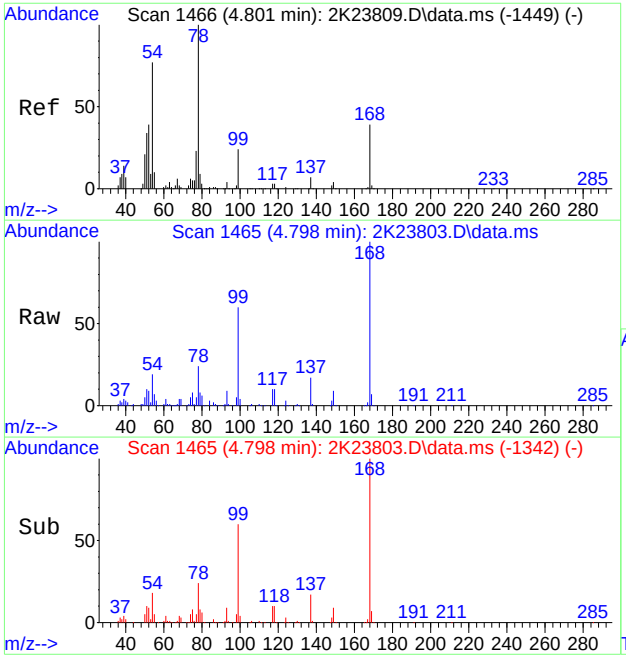


#52
iso-octane
Concen: 3.83 ug/L
RT: 4.692 min Scan# 1432
Delta R.T. -0.003 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 57 Resp: 81716

Ion	Ratio	Lower	Upper
57	100		
41	49.4	19.7	59.7
56	34.3	14.3	54.3

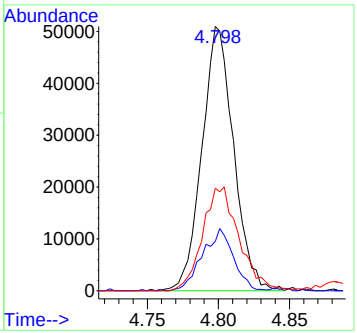


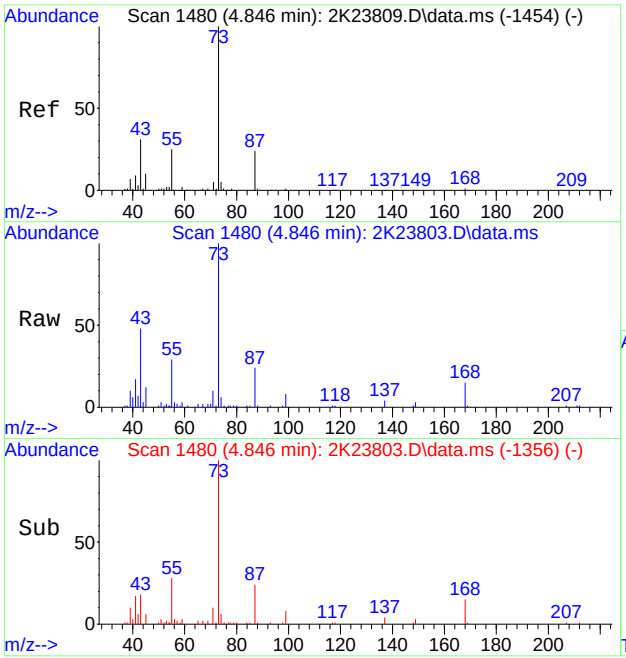


#53
benzene
Concen: 3.68 ug/L
RT: 4.798 min Scan# 1465
Delta R.T. -0.003 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 78 Resp: 79105

Ion	Ratio	Lower	Upper
78	100		
77	18.1	0.0	53.5
52	38.8	8.9	68.9

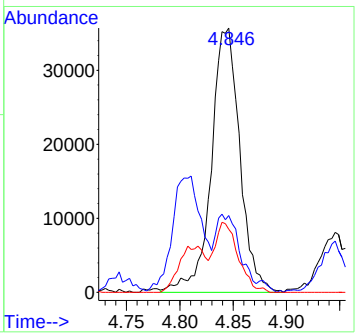


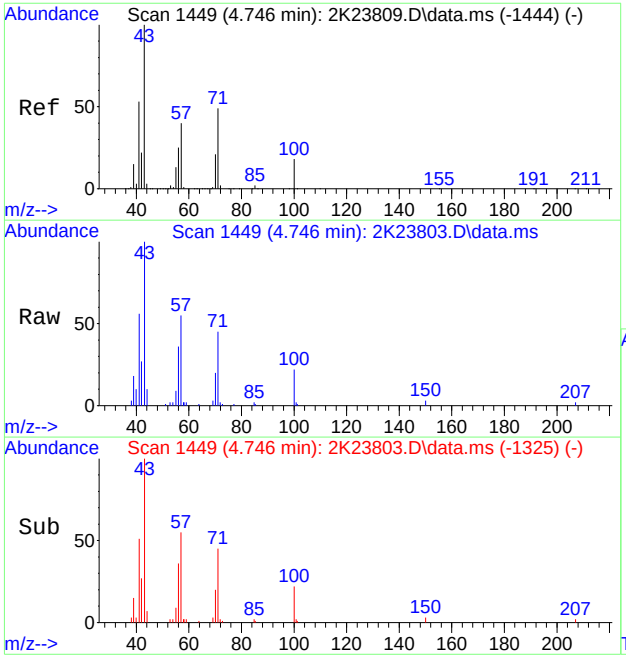


#54
tert-amyl methyl ether
Concen: 3.60 ug/L
RT: 4.846 min Scan# 1480
Delta R.T. -0.000 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 73 Resp: 66602

Ion	Ratio	Lower	Upper
73	100		
55	29.0	6.1	46.1
87	23.9	4.3	44.3

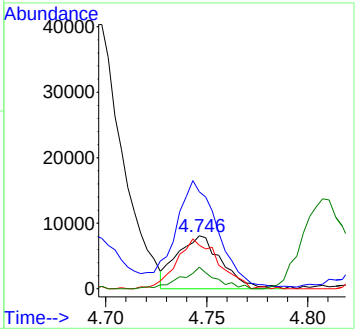


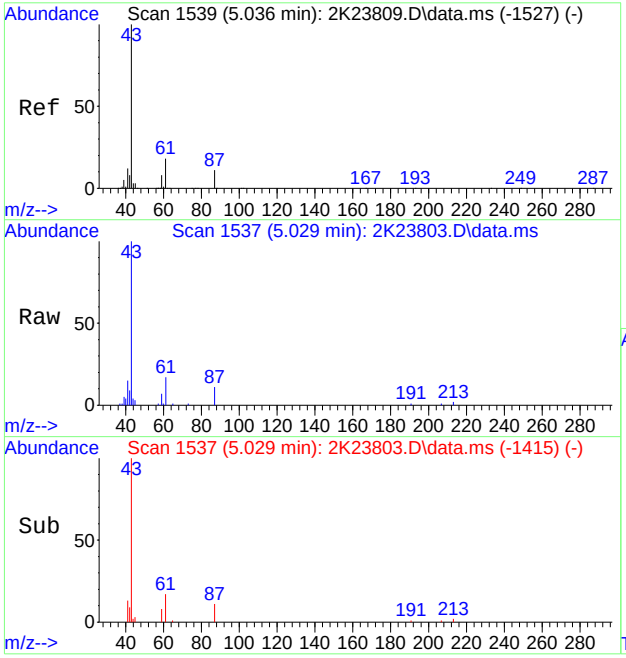


#55
heptane
Concen: 4.12 ug/L
RT: 4.746 min Scan# 1449
Delta R.T. -0.000 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 57 Resp: 12520

Ion	Ratio	Lower	Upper
57	100		
43	177.7	171.2	231.2
71	82.2	63.1	123.1
100	36.7	0.0	55.4

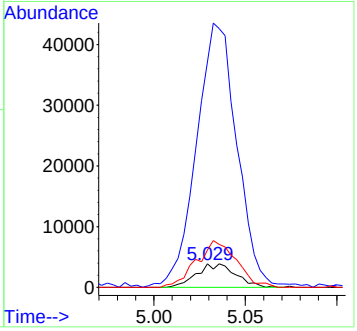


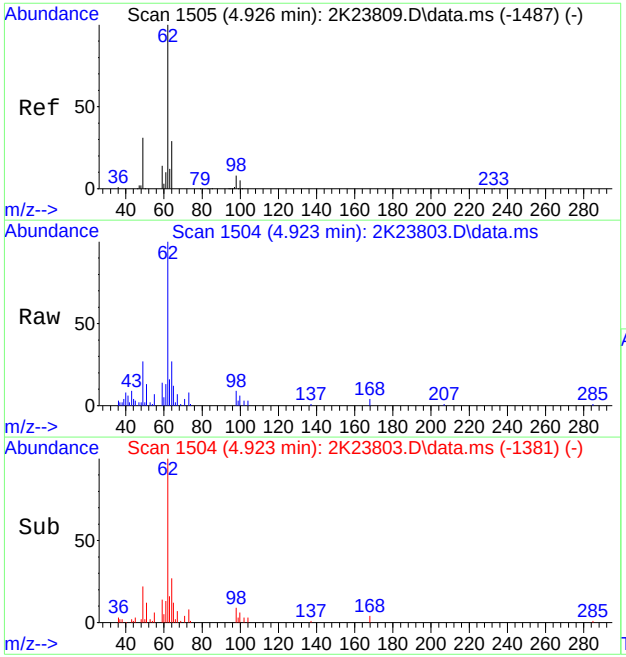


#56
isopropyl acetate
Concen: 3.27 ug/L
RT: 5.029 min Scan# 1537
Delta R.T. -0.007 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 87 Resp: 5792

Ion	Ratio	Lower	Upper
87	100		
43	936.4	917.6	977.6
61	157.3	137.7	197.7

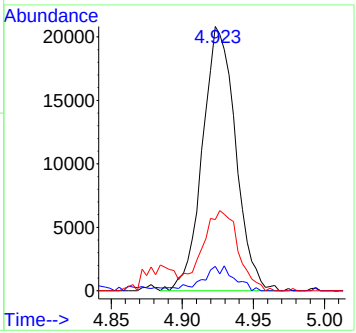


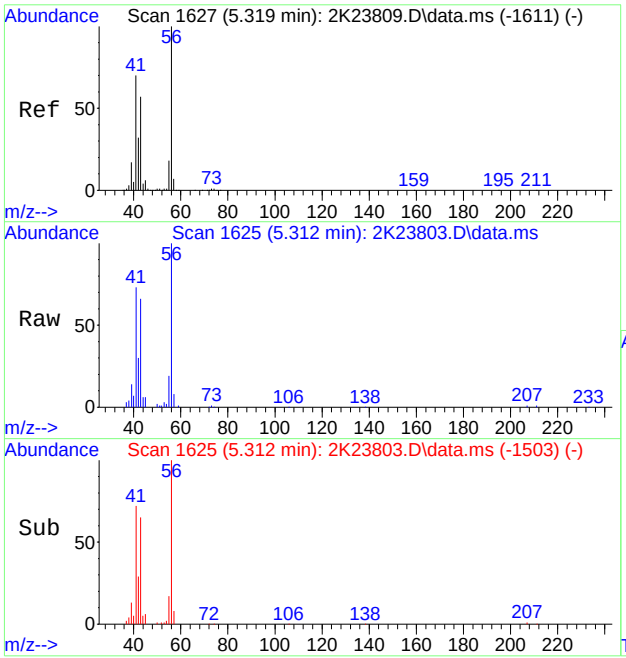


#57
1,2-dichloroethane
Concen: 3.77 ug/L
RT: 4.923 min Scan# 1504
Delta R.T. -0.003 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 62 Resp: 33685

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	38.3
64	27.0	0.0	59.6

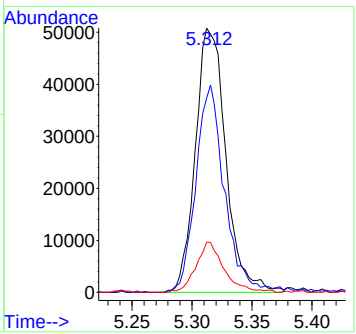


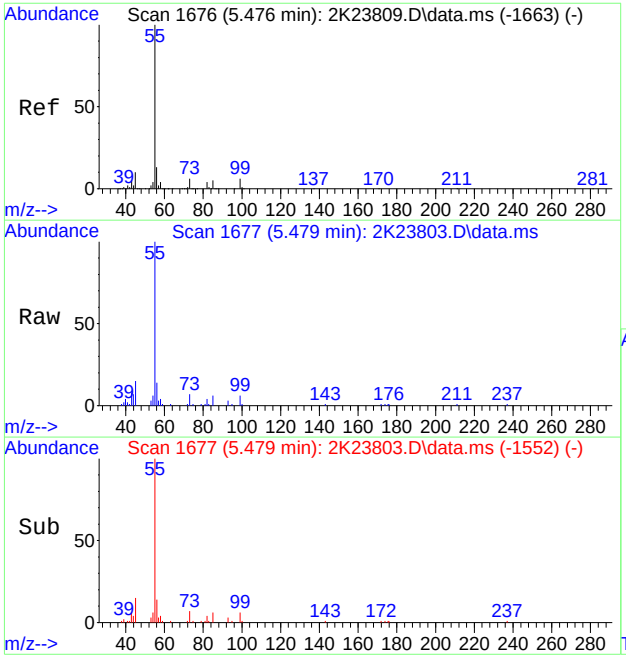


#58
n-butyl alcohol
Concen: 190.91 ug/L
RT: 5.312 min Scan# 1625
Delta R.T. -0.007 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 56 Resp: 89846

Ion	Ratio	Lower	Upper
56	100		
41	73.3	50.4	90.4
55	19.0	0.0	37.7

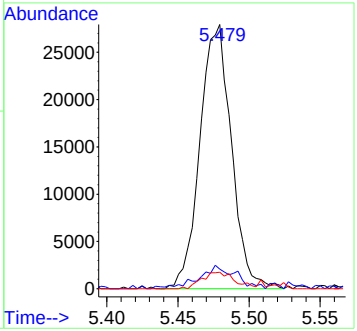


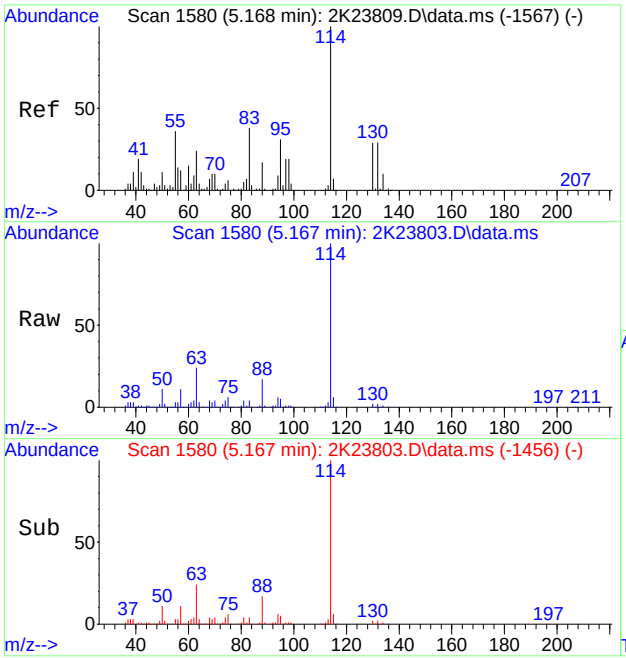


#59
ethyl acrylate
Concen: 3.72 ug/L
RT: 5.479 min Scan# 1677
Delta R.T. 0.003 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 55 Resp: 43124

Ion	Ratio	Lower	Upper
55	100		
73	7.4	0.0	36.2
99	6.3	0.0	36.0

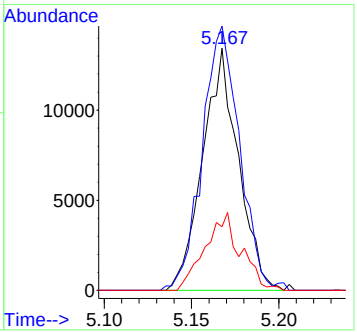


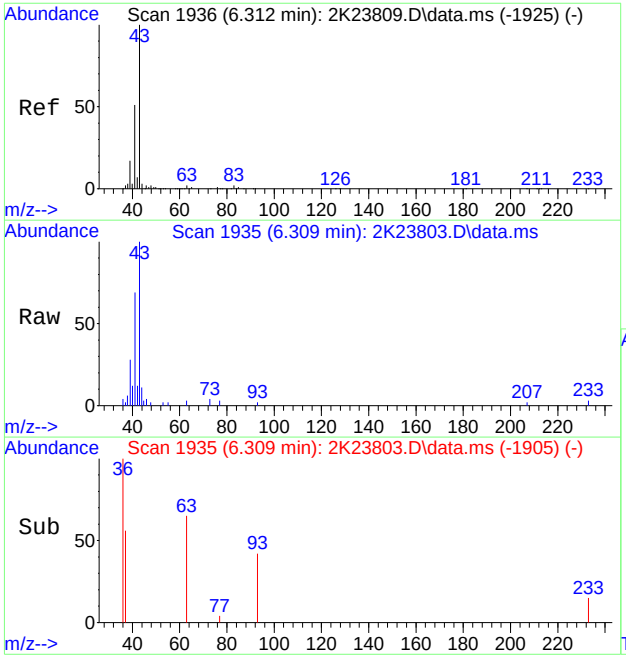


#60
trichloroethene
Concen: 3.74 ug/L
RT: 5.167 min Scan# 1580
Delta R.T. -0.000 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion:130 Resp: 19139

Ion	Ratio	Lower	Upper
130	100		
132	109.1	70.8	130.8
134	26.3	4.2	64.2

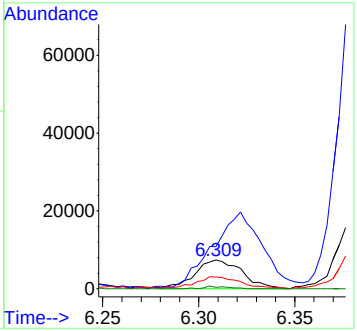


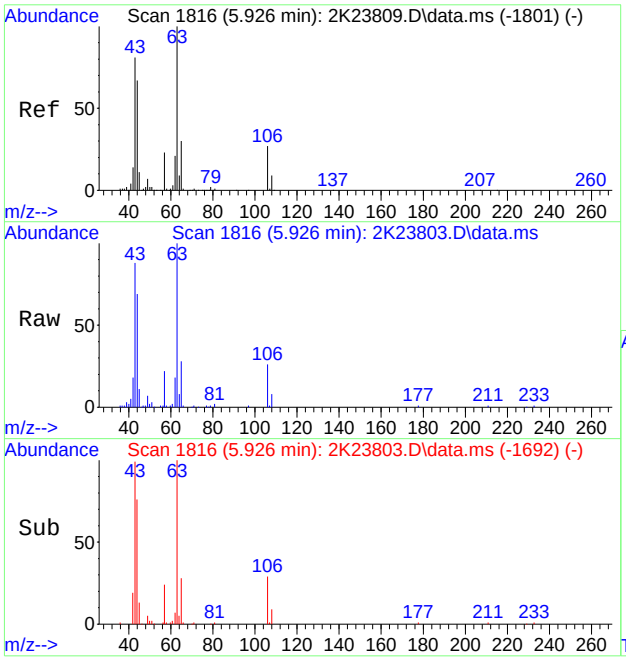


#61
2-nitropropane
Concen: 3.82 ug/L
RT: 6.309 min Scan# 1935
Delta R.T. -0.003 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 41 Resp: 12654

Ion	Ratio	Lower	Upper
41	100		
43	135.1	163.8	223.8#
39	38.3	4.1	64.1
46	5.1	0.0	33.5

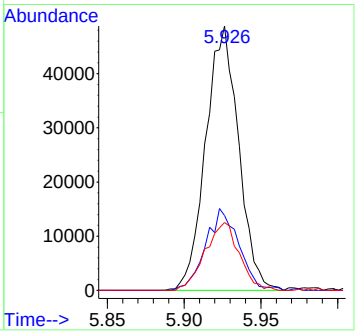


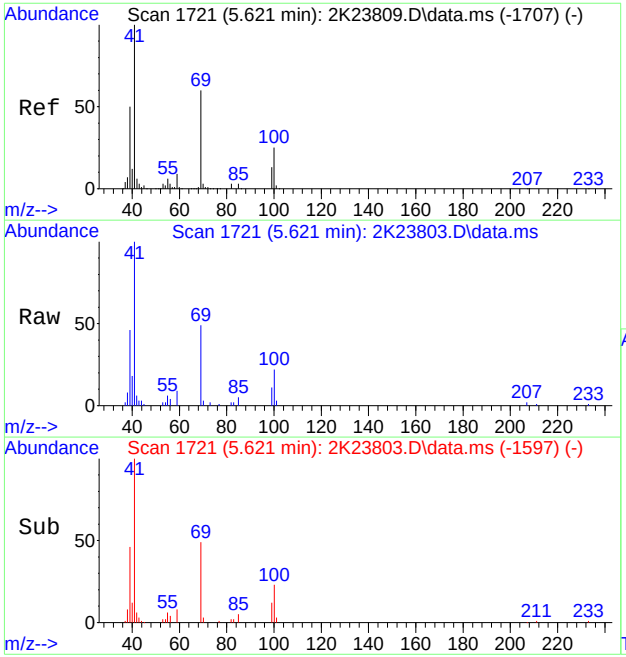


#62
2-chloroethyl vinyl ether
Concen: 19.63 ug/L
RT: 5.926 min Scan# 1816
Delta R.T. -0.000 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 63 Resp: 72583

Ion	Ratio	Lower	Upper
63	100		
65	28.3	0.3	60.3
106	25.6	0.0	57.1

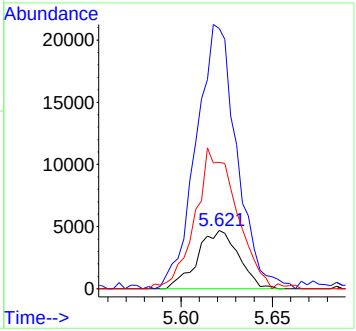


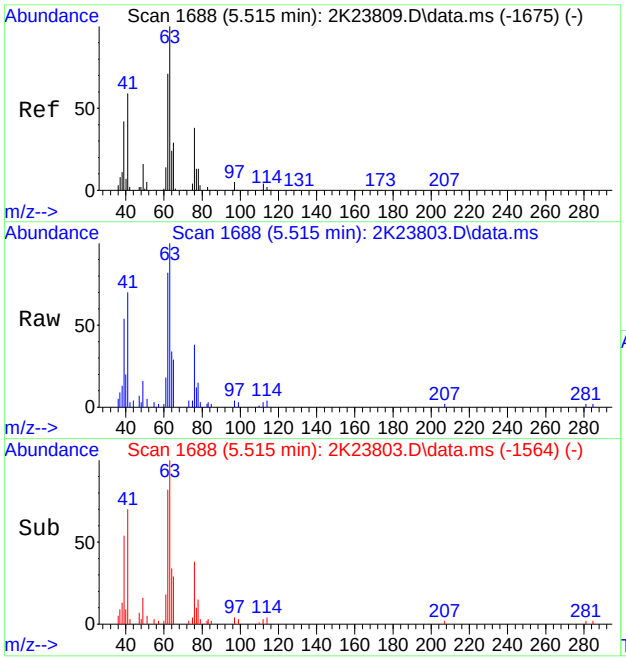


#63
methyl methacrylate
Concen: 3.64 ug/L
RT: 5.621 min Scan# 1721
Delta R.T. -0.000 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion:100 Resp: 7409

Ion	Ratio	Lower	Upper
100	100		
41	441.7	374.3	434.3#
69	211.9	214.3	274.3#

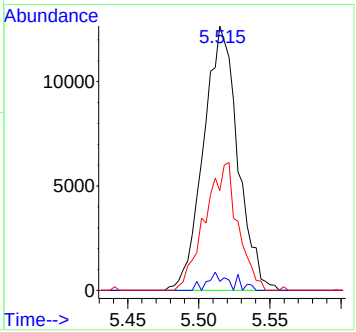


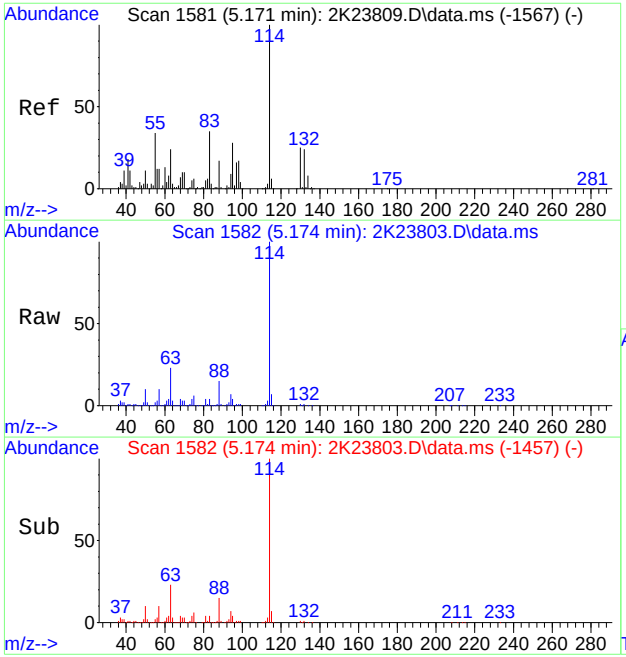


#64
1,2-dichloropropane
Concen: 3.49 ug/L
RT: 5.515 min Scan# 1688
Delta R.T. -0.000 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 63 Resp: 21260

Ion	Ratio	Lower	Upper
63	100		
112	3.4	0.0	33.7
76	37.7	7.9	67.9

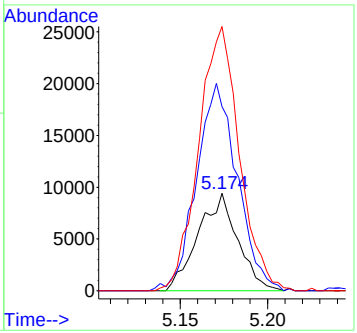


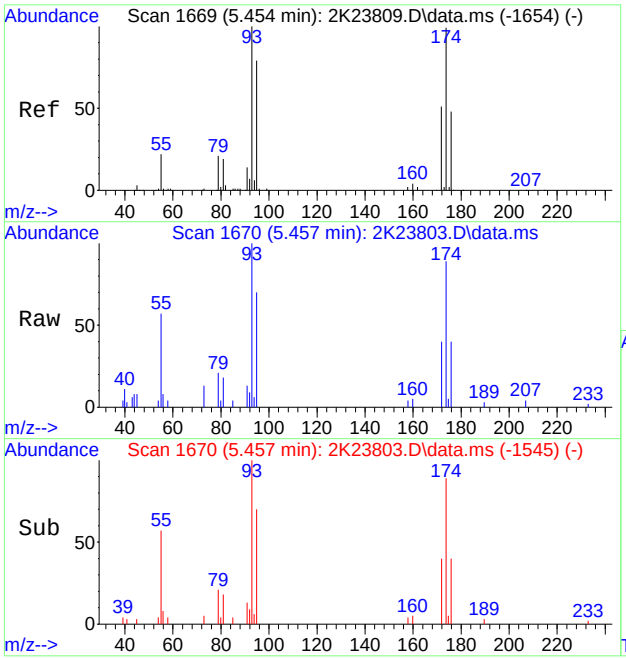


#65
methylcyclohexane
Concen: 3.94 ug/L
RT: 5.174 min Scan# 1582
Delta R.T. 0.003 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 98 Resp: 14871

Ion	Ratio	Lower	Upper
98	100		
55	188.6	173.8	233.8
83	268.0	181.7	241.7#

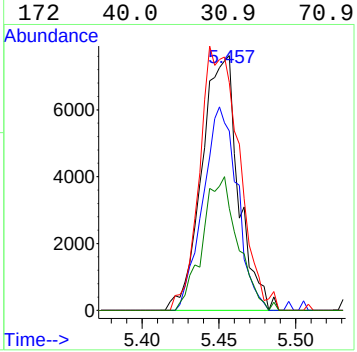


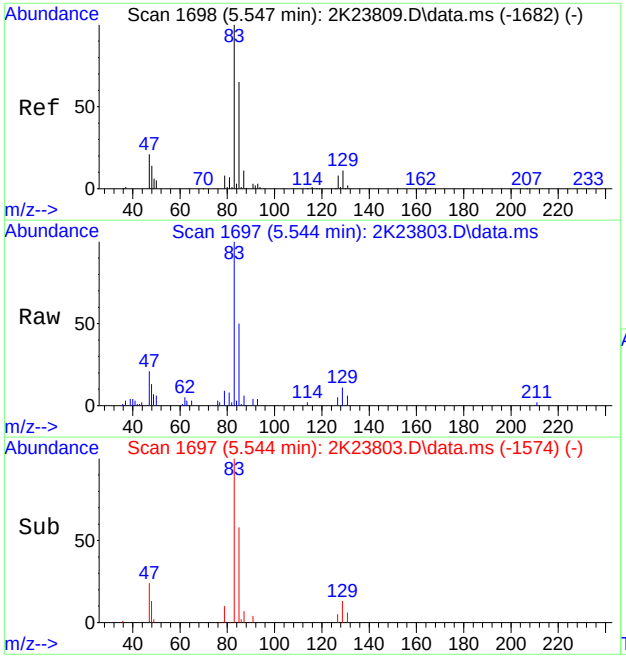


#66
dibromomethane
Concen: 3.77 ug/L
RT: 5.457 min Scan# 1670
Delta R.T. 0.003 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 93 Resp: 12652

Ion	Ratio	Lower	Upper
93	100		
95	70.4	49.5	109.5
174	89.4	68.7	128.7
172	40.0	30.9	70.9

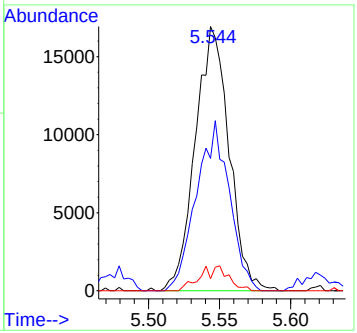


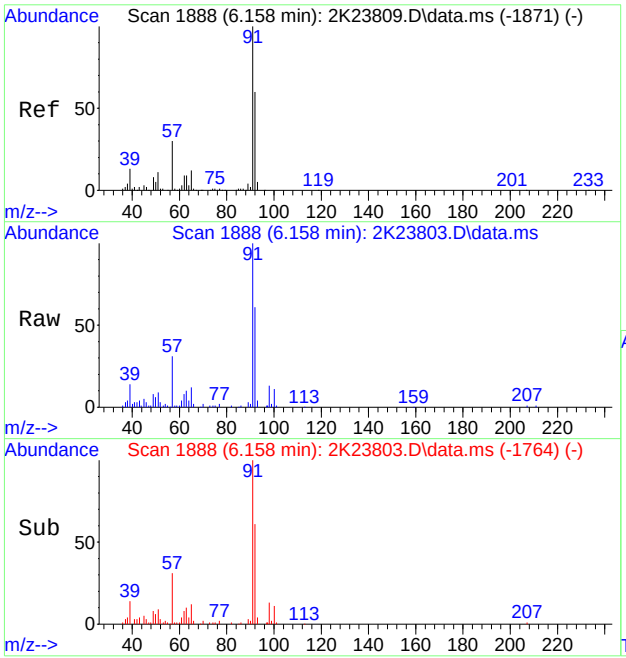


#67
bromodichloromethane
Concen: 3.96 ug/L
RT: 5.544 min Scan# 1697
Delta R.T. -0.003 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 83 Resp: 27995

Ion	Ratio	Lower	Upper
83	100		
85	50.0	36.5	96.5
127	4.6	0.0	37.8

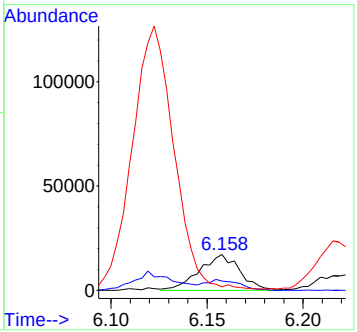


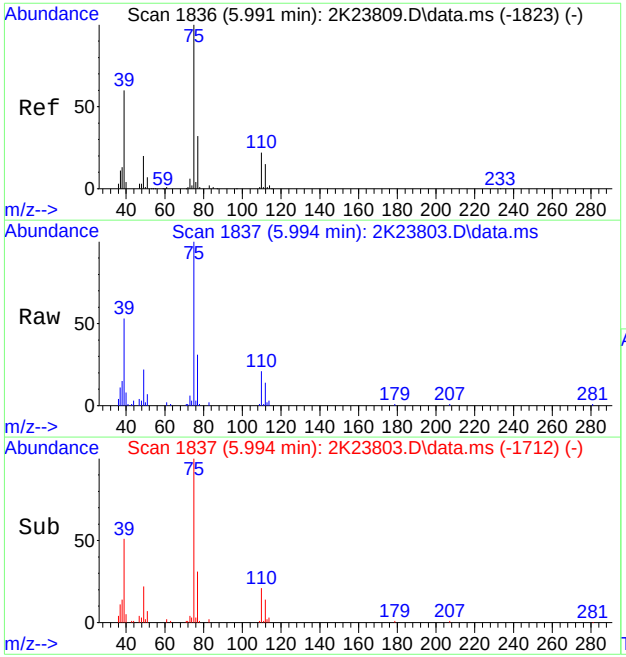


#68
epichlorohydrin
Concen: 19.06 ug/L
RT: 6.158 min Scan# 1888
Delta R.T. -0.000 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 57 Resp: 25243

Ion	Ratio	Lower	Upper
57	100		
49	26.6	7.1	47.1
42	3.0	0.0	27.5

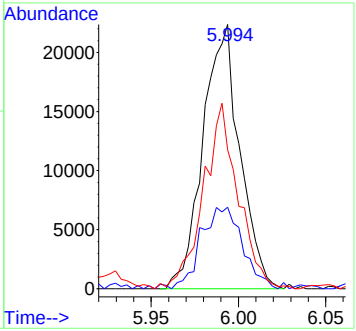


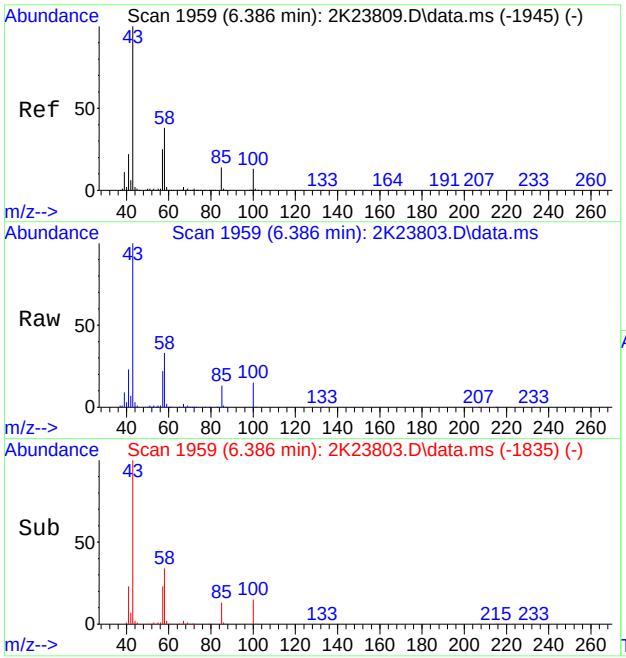


#69
cis-1,3-dichloropropene
Concen: 3.60 ug/L
RT: 5.994 min Scan# 1837
Delta R.T. 0.003 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 75 Resp: 32925

Ion	Ratio	Lower	Upper
75	100		
77	29.1	2.1	62.1
39	51.4	30.1	90.1

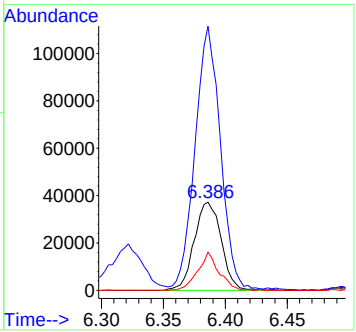


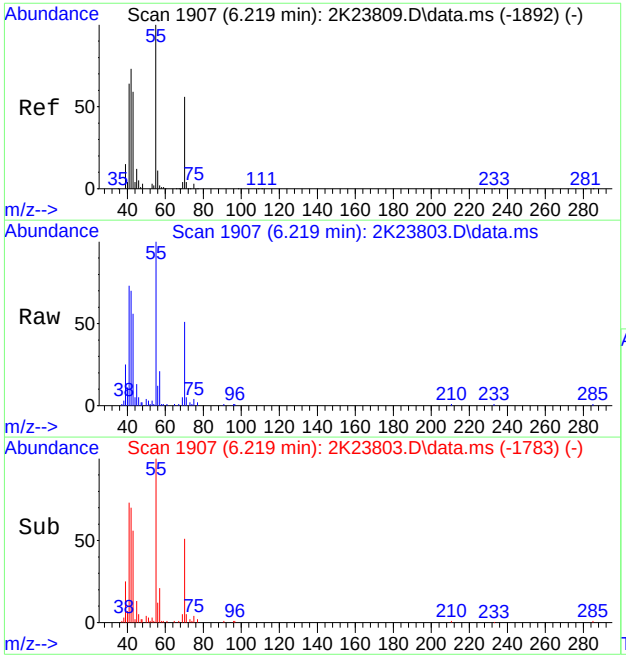


#70
4-methyl-2-pentanone
Concen: 14.62 ug/L
RT: 6.386 min Scan# 1959
Delta R.T. -0.000 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 58 Resp: 56679

Ion	Ratio	Lower	Upper
58	100		
43	298.0	244.4	304.4
100	43.7	4.8	64.8

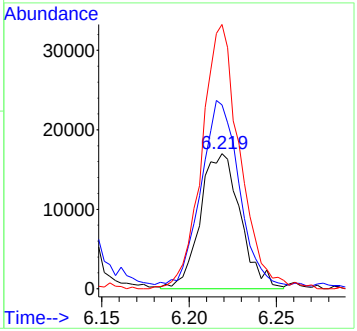


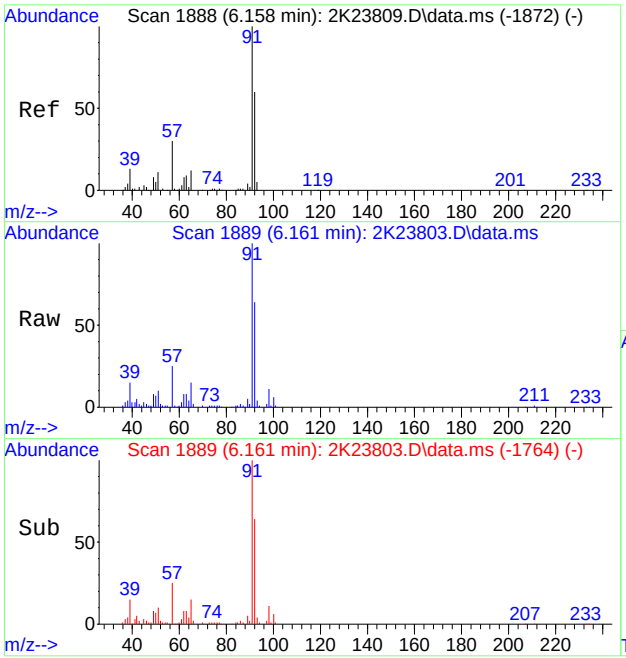


#71
3-methyl-1-butanol
Concen: 72.82 ug/L
RT: 6.219 min Scan# 1907
Delta R.T. -0.000 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 70 Resp: 27265

Ion	Ratio	Lower	Upper
70	100		
42	134.3	100.5	160.5
55	196.6	148.8	208.8

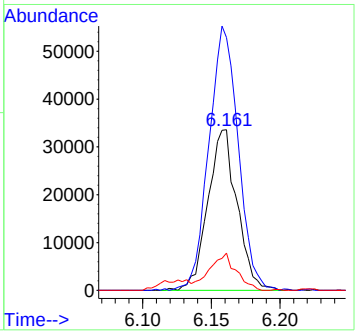


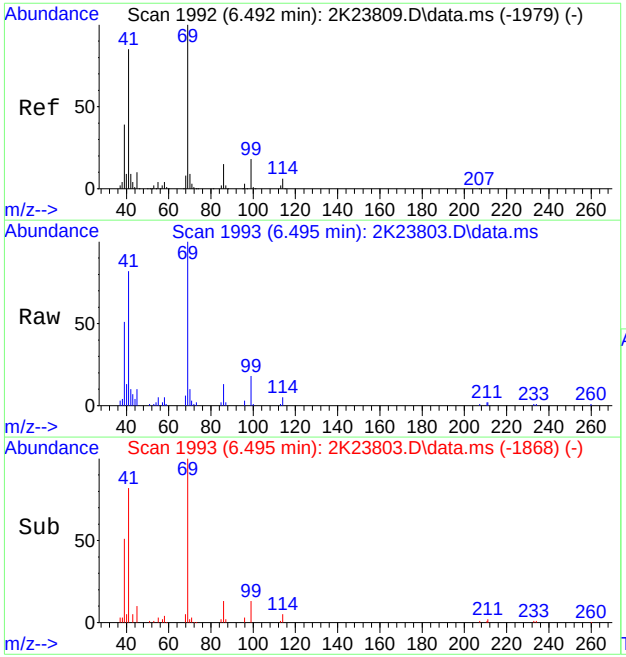


#74
toluene
Concen: 3.60 ug/L
RT: 6.161 min Scan# 1889
Delta R.T. 0.003 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 92 Resp: 49851

Ion	Ratio	Lower	Upper
92	100		
91	157.5	145.9	185.9
65	23.2	0.5	40.5

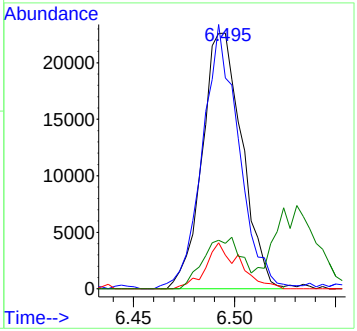


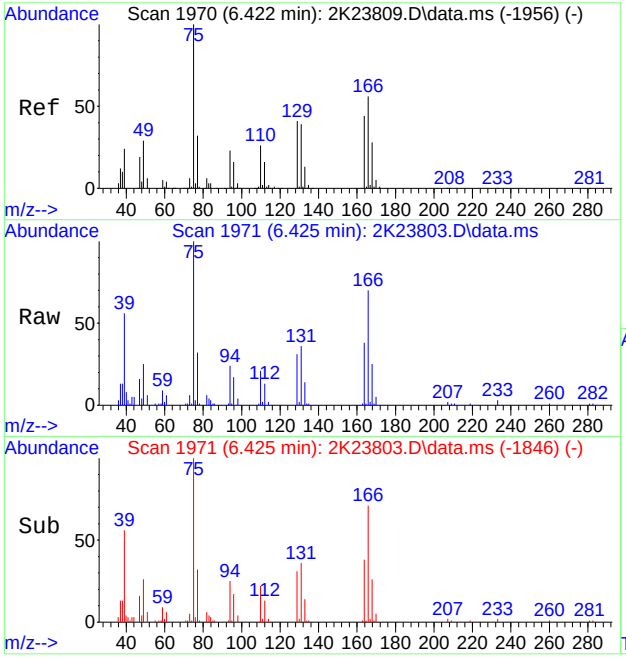


#75
ethyl methacrylate
Concen: 3.66 ug/L
RT: 6.495 min Scan# 1993
Delta R.T. 0.003 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 69 Resp: 30976

Ion	Ratio	Lower	Upper
69	100		
41	81.1	65.3	105.3
86	13.2	0.0	34.6
99	17.8	0.0	38.4

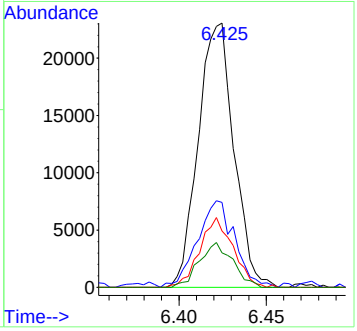


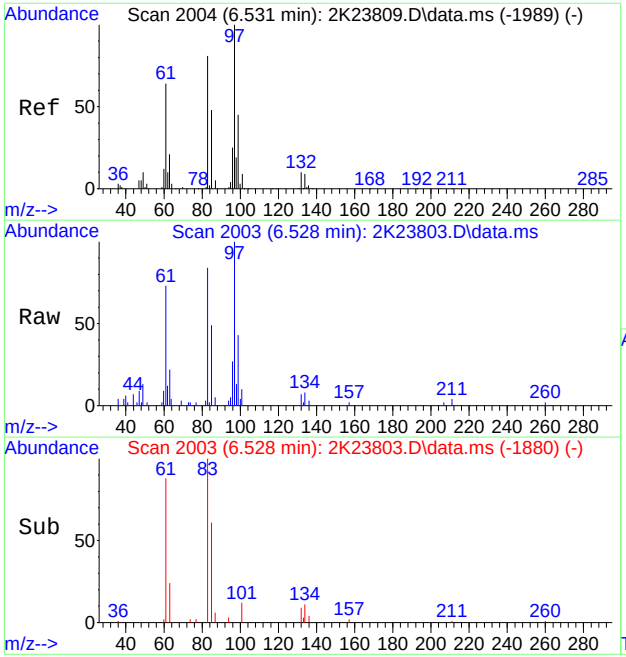


#76
trans-1,3-dichloropropene
Concen: 3.67 ug/L
RT: 6.425 min Scan# 1971
Delta R.T. 0.003 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 75 Resp: 32855

Ion	Ratio	Lower	Upper
75	100		
77	32.1	12.2	52.2
110	21.3	5.7	45.7
112	13.1	0.0	35.9

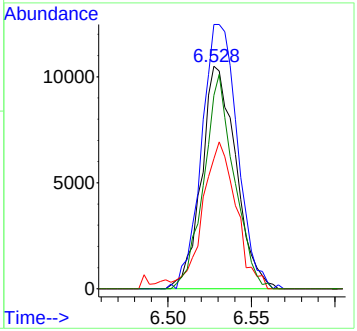


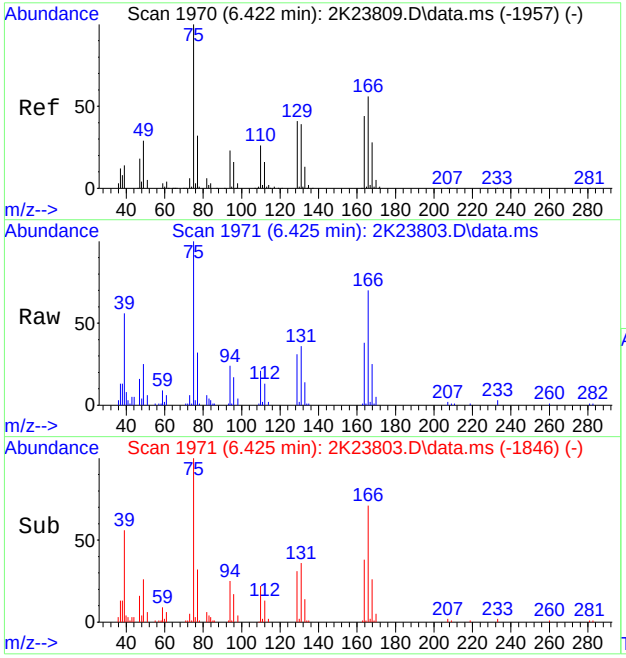


#77
1,1,2-trichloroethane
Concen: 3.60 ug/L
RT: 6.528 min Scan# 2003
Delta R.T. -0.003 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 83 Resp: 14998

Ion	Ratio	Lower	Upper
83	100		
97	118.8	103.4	143.4
85	58.5	40.7	80.7
61	86.9	58.7	98.7

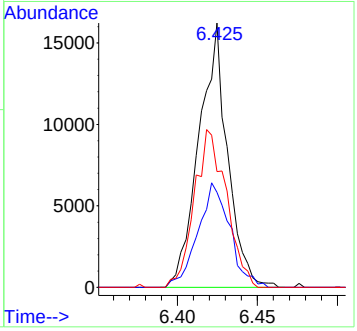


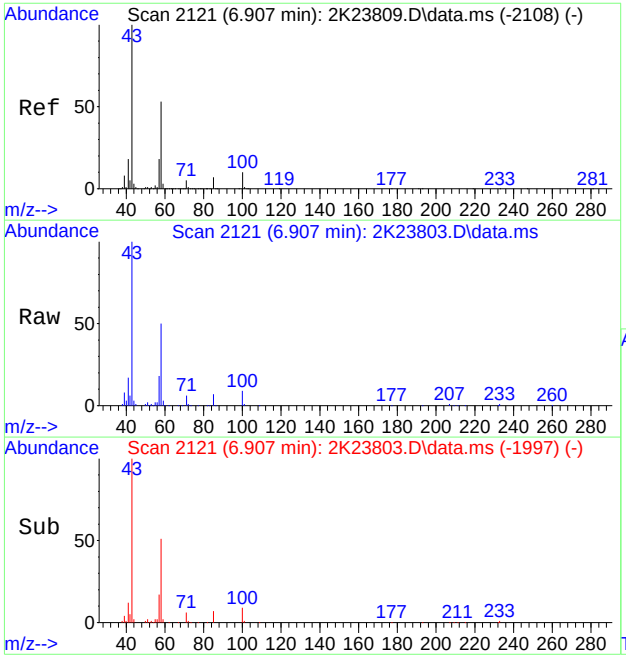


#78
tetrachloroethene
Concen: 3.94 ug/L
RT: 6.425 min Scan# 1971
Delta R.T. 0.003 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion:166 Resp: 20252

Ion	Ratio	Lower	Upper
166	100		
168	36.0	19.1	79.1
129	43.8	42.7	102.7

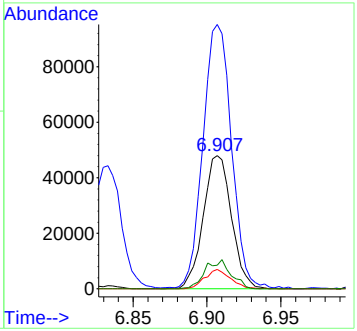


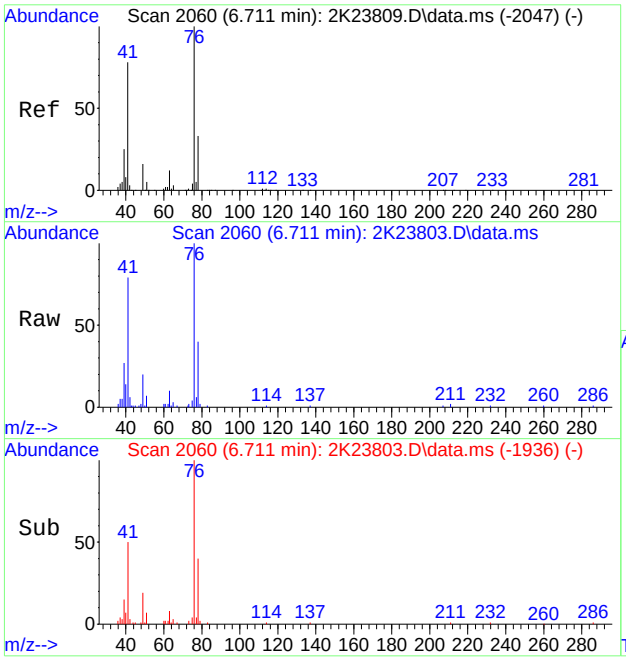


#79
2-hexanone
Concen: 14.97 ug/L
RT: 6.907 min Scan# 2121
Delta R.T. -0.000 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 58 Resp: 63625

Ion	Ratio	Lower	Upper
58	100		
43	197.9	168.9	208.9
85	14.6	0.0	33.1
100	17.7	0.0	39.1

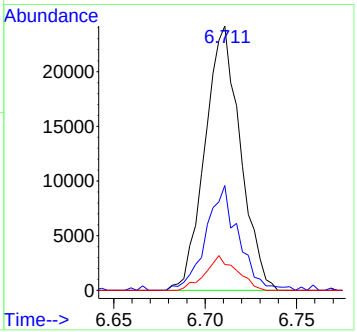


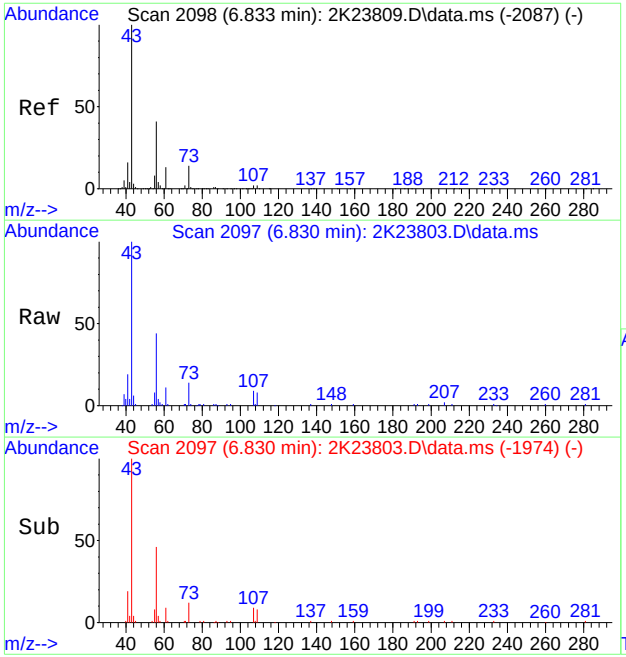


#80
1,3-dichloropropane
Concen: 3.66 ug/L
RT: 6.711 min Scan# 2060
Delta R.T. -0.000 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 76 Resp: 32633

Ion	Ratio	Lower	Upper
76	100		
78	39.7	2.9	62.9
63	9.8	0.0	42.3

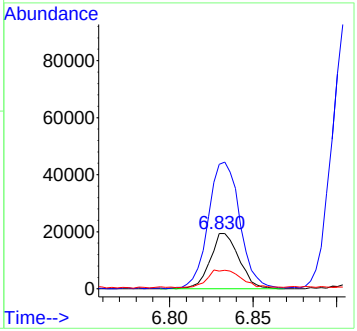


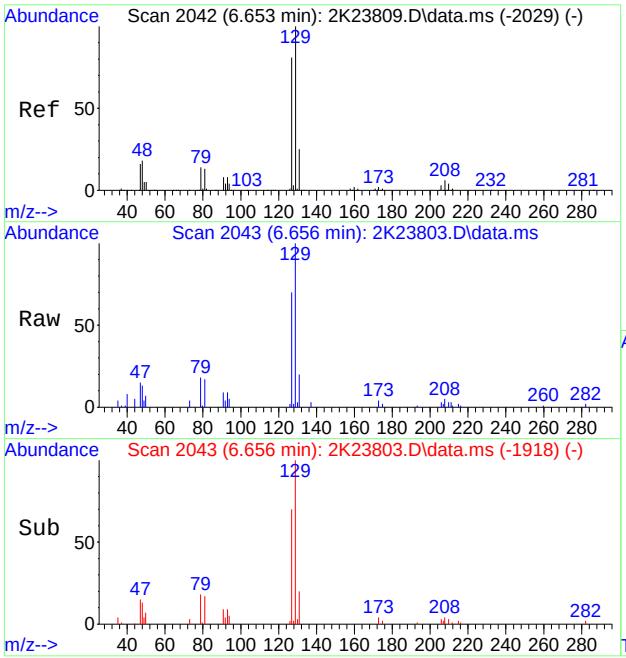


#81
butyl acetate
Concen: 3.76 ug/L
RT: 6.830 min Scan# 2097
Delta R.T. -0.003 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 56 Resp: 23237

Ion	Ratio	Lower	Upper
56	100		
43	224.0	213.5	273.5
73	29.5	4.2	64.2

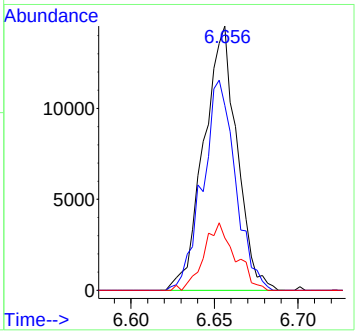


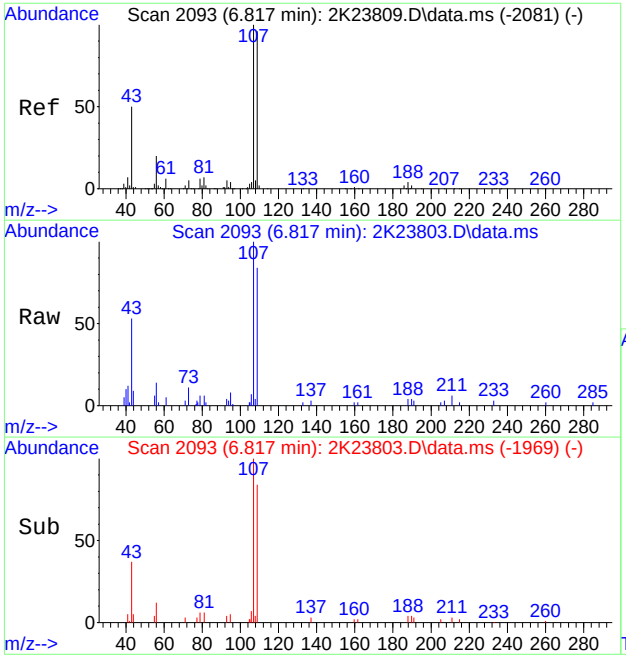


#82
dibromochloromethane
Concen: 3.86 ug/L
RT: 6.656 min Scan# 2043
Delta R.T. 0.003 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion:129 Resp: 20071

Ion	Ratio	Lower	Upper
129	100		
127	70.0	50.8	110.8
131	19.8	0.0	55.3

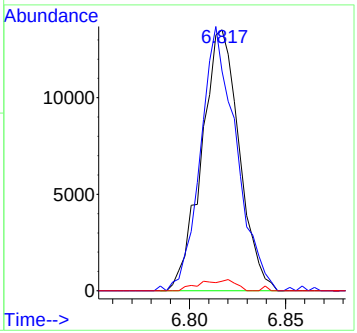


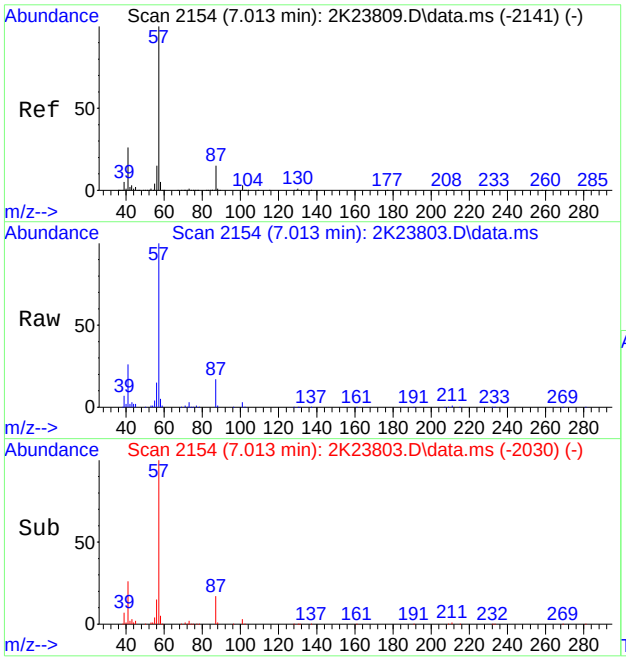


#83
1,2-dibromoethane
Concen: 3.79 ug/L
RT: 6.817 min Scan# 2093
Delta R.T. -0.000 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion:107 Resp: 18418

Ion	Ratio	Lower	Upper
107	100		
109	84.2	65.7	125.7
188	3.7	0.0	33.6

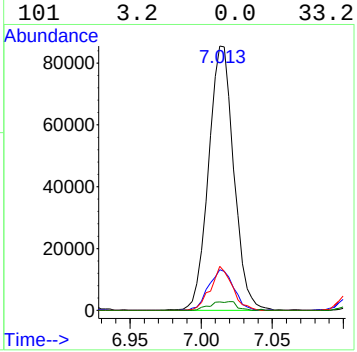


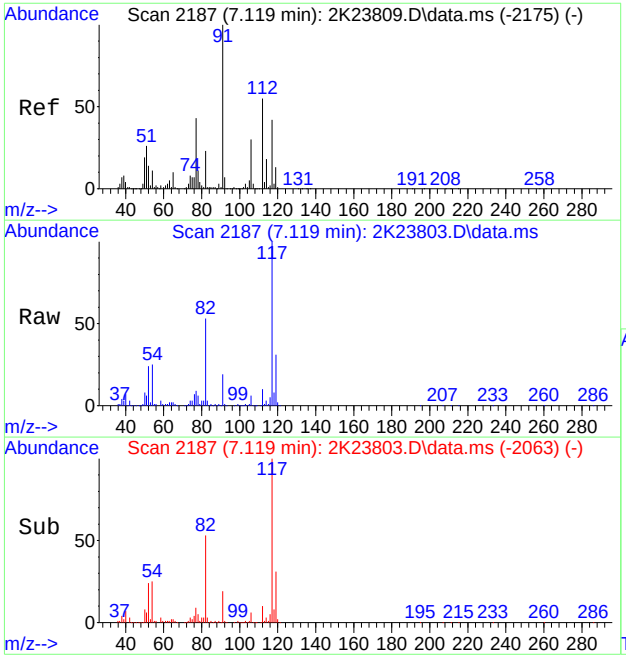


#84
n-butyl ether
Concen: 3.74 ug/L
RT: 7.013 min Scan# 2154
Delta R.T. -0.000 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 57 Resp: 105720

Ion	Ratio	Lower	Upper
57	100		
56	15.4	0.0	45.2
87	16.7	0.0	45.0
101	3.2	0.0	33.2

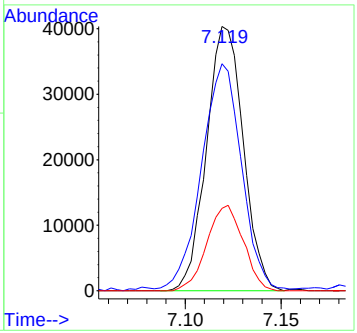


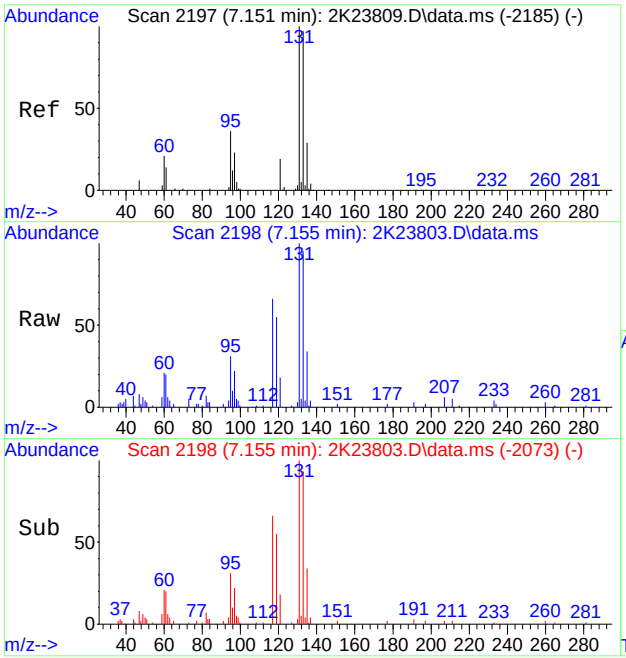


#85
chlorobenzene
Concen: 3.82 ug/L
RT: 7.119 min Scan# 2187
Delta R.T. -0.000 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion:112 Resp: 53895

Ion	Ratio	Lower	Upper
112	100		
77	84.8	49.5	109.5
114	31.1	2.1	62.1

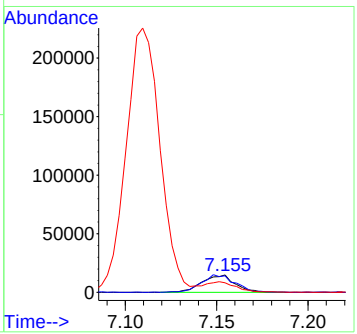


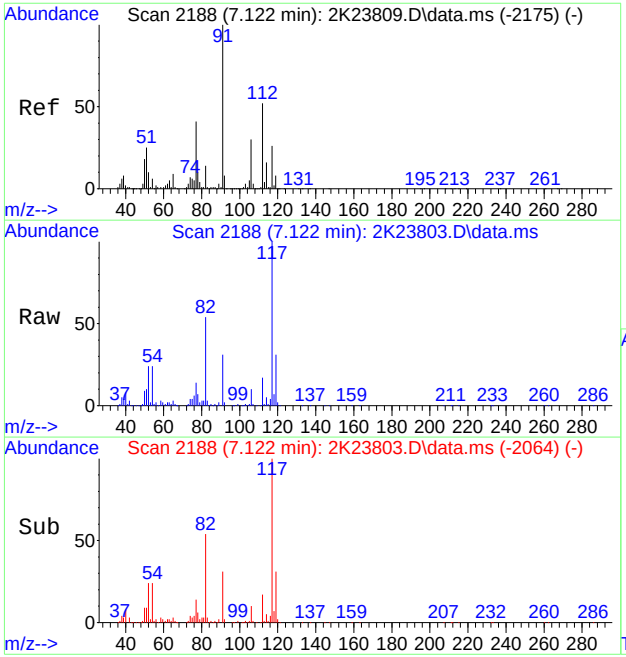


#86
1,1,1,2-tetrachloroethane
Concen: 3.82 ug/L
RT: 7.155 min Scan# 2198
Delta R.T. 0.003 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion:131 Resp: 18690

Ion	Ratio	Lower	Upper
131	100		
133	95.1	66.7	126.7
119	53.4	31.1	91.1

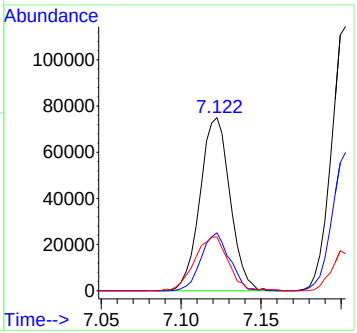


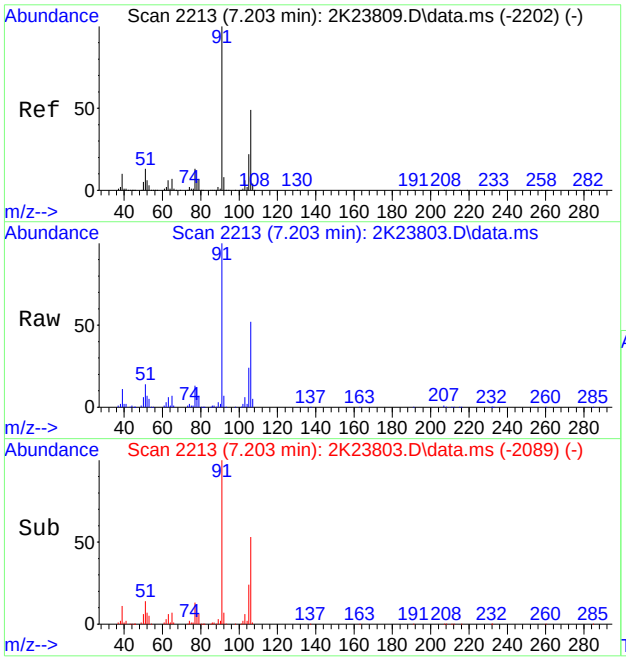


#87
ethylbenzene
Concen: 3.67 ug/L
RT: 7.122 min Scan# 2188
Delta R.T. -0.000 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 91 Resp: 97903

Ion	Ratio	Lower	Upper
91	100		
106	33.5	0.3	60.3
51	31.0	0.0	55.4

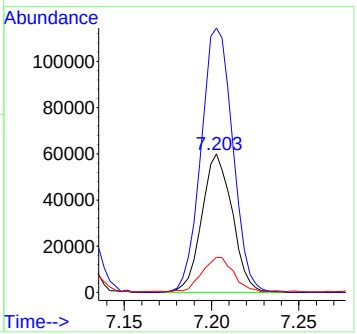


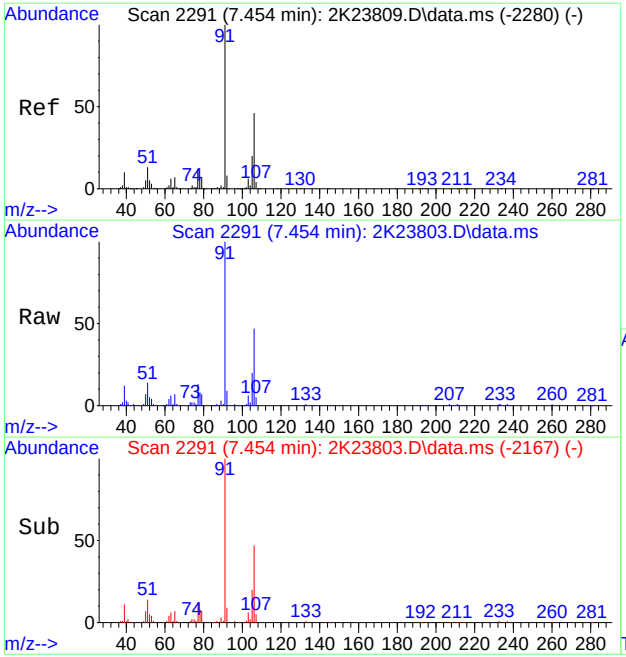


#88
m,p-xylene
Concen: 7.78 ug/L
RT: 7.203 min Scan# 2213
Delta R.T. -0.000 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion:106 Resp: 72730

Ion	Ratio	Lower	Upper
106	100		
91	190.9	173.5	233.5
77	25.3	7.0	47.0

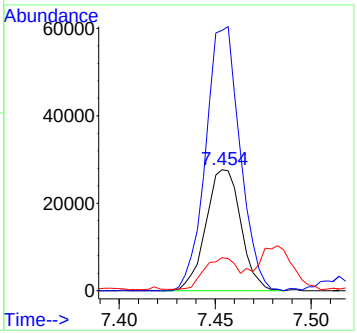


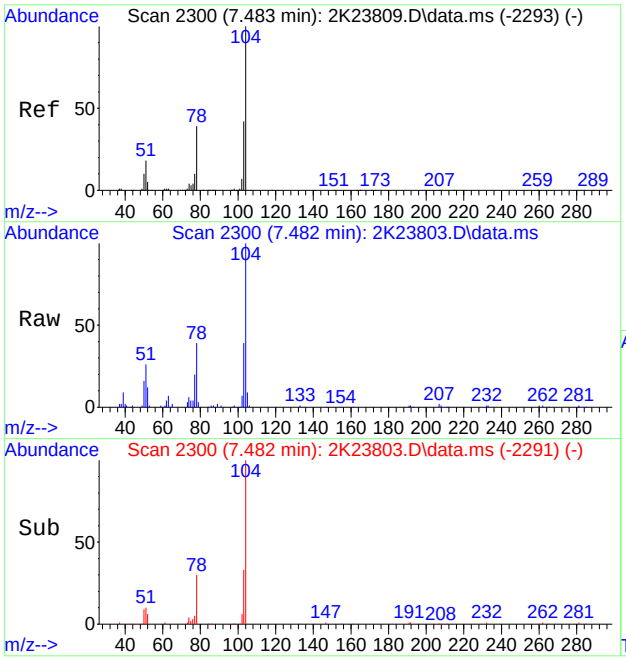


#89
o-xylene
Concen: 3.83 ug/L
RT: 7.454 min Scan# 2291
Delta R.T. -0.000 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion:106 Resp: 35138

Ion	Ratio	Lower	Upper
106	100		
91	214.7	186.3	246.3
77	26.0	6.7	46.7

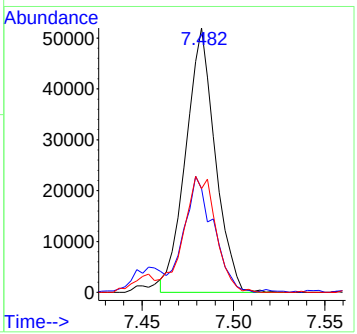


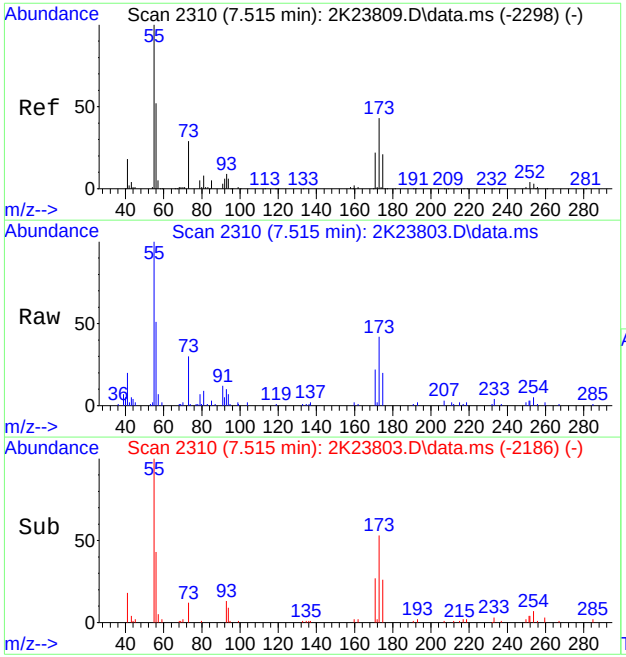


#90
styrene
Concen: 3.74 ug/L
RT: 7.482 min Scan# 2300
Delta R.T. -0.000 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion:104 Resp: 58074

Ion	Ratio	Lower	Upper
104	100		
78	38.7	14.3	74.3
103	39.3	17.0	77.0

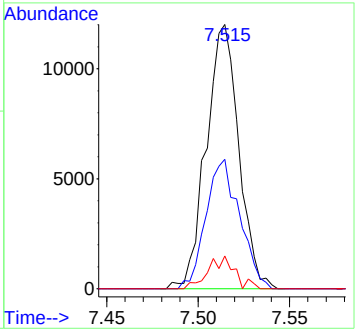


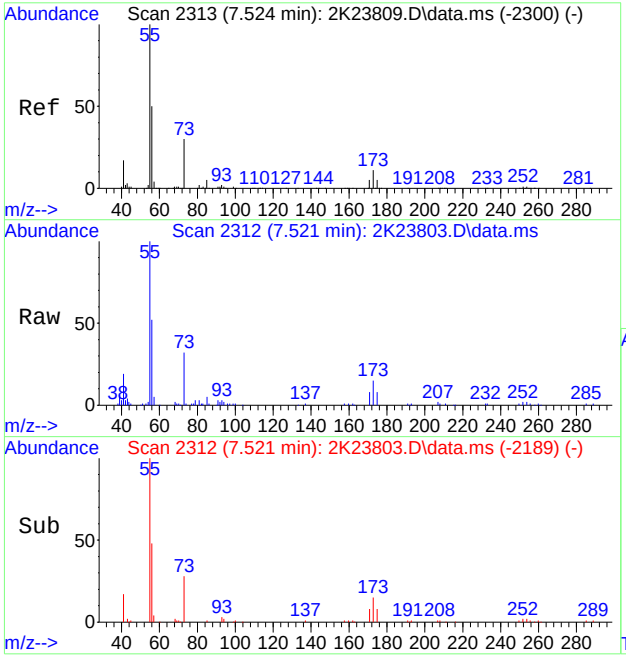


#91
bromoform
Concen: 3.46 ug/L
RT: 7.515 min Scan# 2310
Delta R.T. -0.000 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion:173 Resp: 14984

Ion	Ratio	Lower	Upper
173	100		
175	48.9	18.6	78.6
254	12.4	0.0	37.9

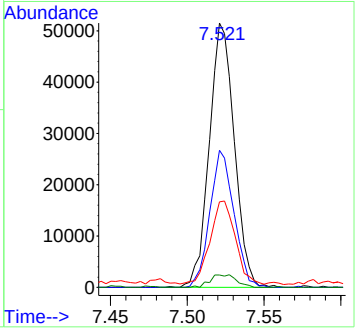


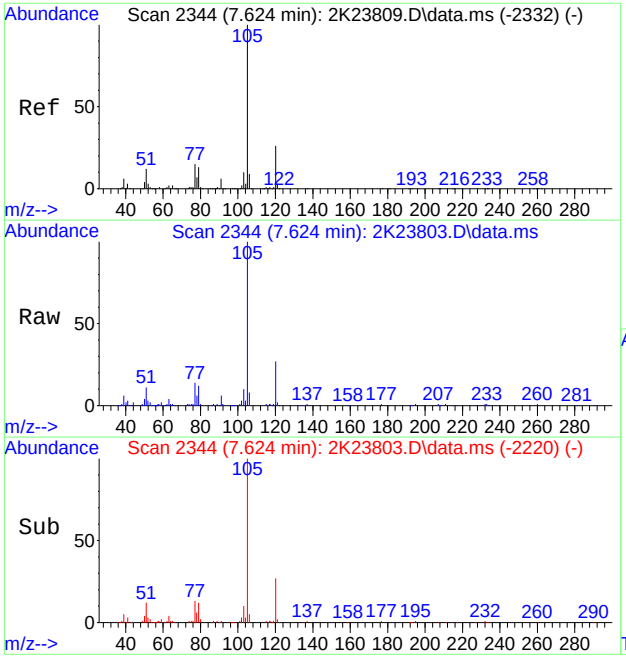


#92
butyl acrylate
Concen: 3.65 ug/L
RT: 7.521 min Scan# 2312
Delta R.T. -0.003 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 55 Resp: 58482

Ion	Ratio	Lower	Upper
55	100		
56	51.9	20.5	80.5
73	31.3	0.7	60.7
85	4.6	0.0	35.3

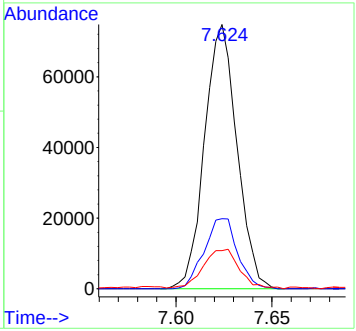


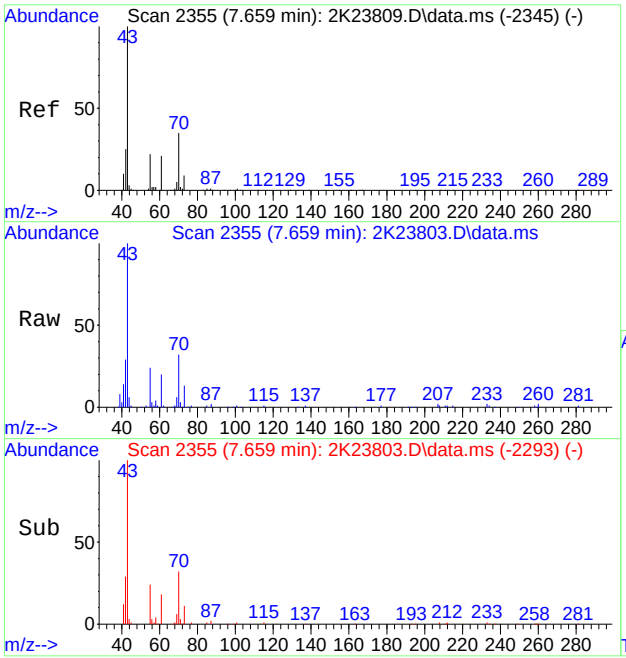


#93
isopropylbenzene
Concen: 3.92 ug/L
RT: 7.624 min Scan# 2344
Delta R.T. -0.000 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion:105 Resp: 87953

Ion	Ratio	Lower	Upper
105	100		
120	26.6	6.4	46.4
77	14.5	0.0	35.1

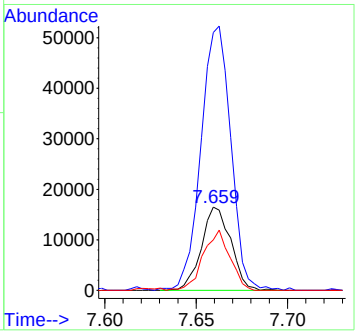


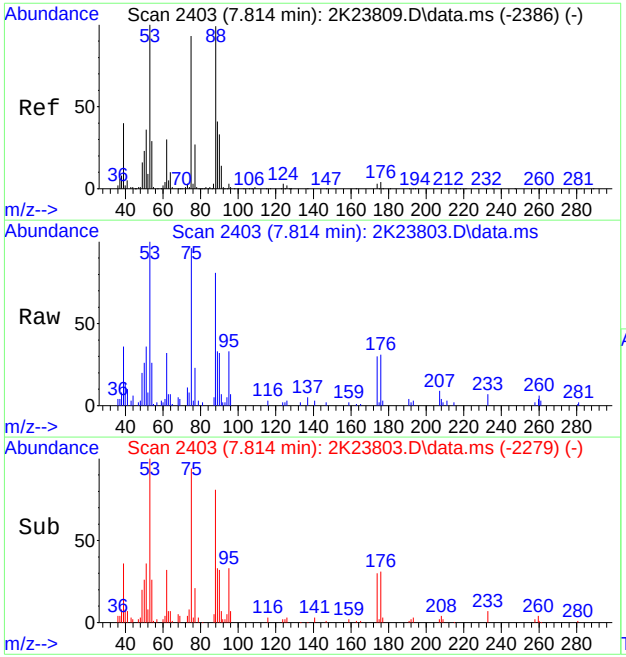


#94
n-amyl acetate
Concen: 3.64 ug/L
RT: 7.659 min Scan# 2355
Delta R.T. -0.000 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 70 Resp: 18545

Ion	Ratio	Lower	Upper
70	100		
43	309.6	265.5	305.5#
61	60.6	41.9	81.9

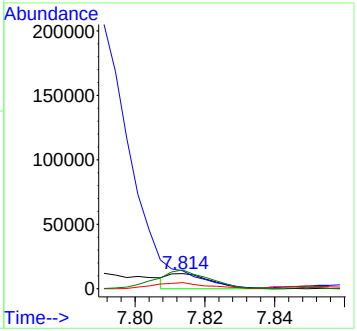


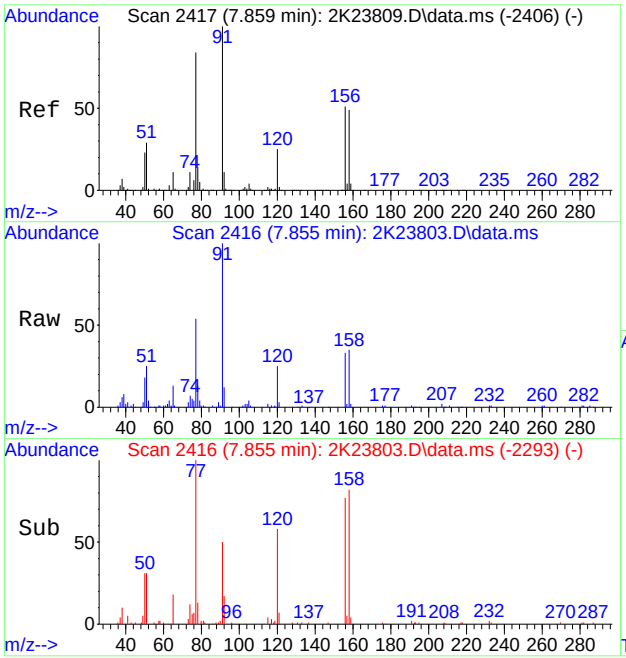


#95
cis-1,4-dichloro-2-butene
Concen: 2.68 ug/L
RT: 7.814 min Scan# 2403
Delta R.T. -0.000 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 88 Resp: 9978

Ion	Ratio	Lower	Upper
88	100		
75	108.0	73.7	113.7
89	27.7	20.9	60.9
53	120.3	81.0	121.0

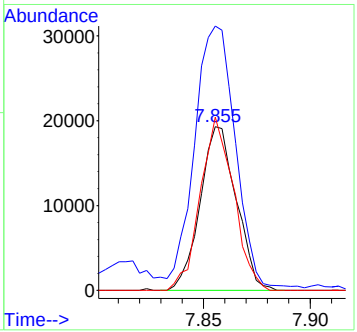


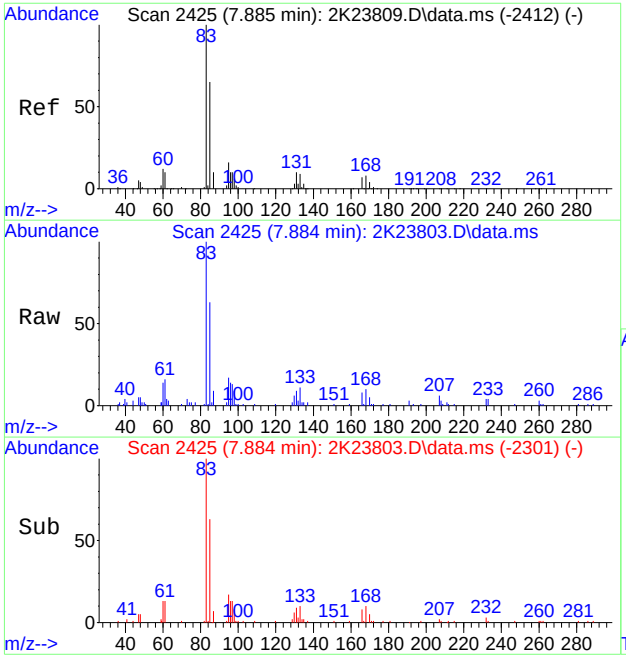


#98
bromobenzene
Concen: 3.95 ug/L
RT: 7.855 min Scan# 2416
Delta R.T. -0.003 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion:156 Resp: 22792

Ion	Ratio	Lower	Upper
156	100		
77	158.6	144.3	204.3
158	105.8	66.5	126.5

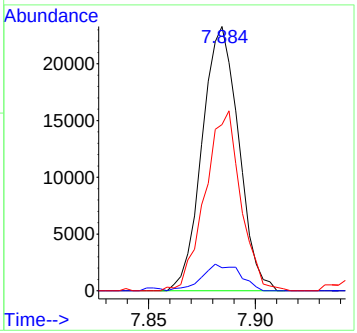


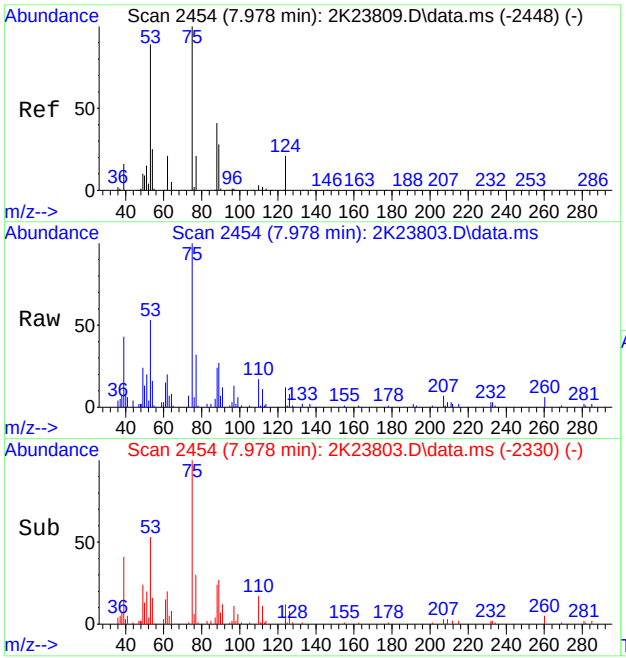


#99
1,1,2,2-tetrachloroethane
Concen: 3.66 ug/L
RT: 7.884 min Scan# 2425
Delta R.T. -0.000 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 83 Resp: 27717

Ion	Ratio	Lower	Upper
83	100		
131	8.7	0.0	40.0
85	62.9	35.3	95.3

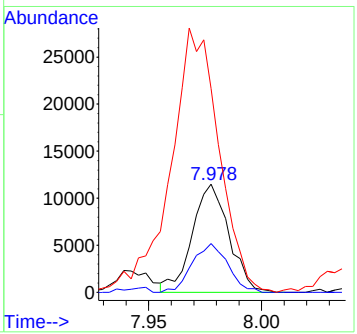


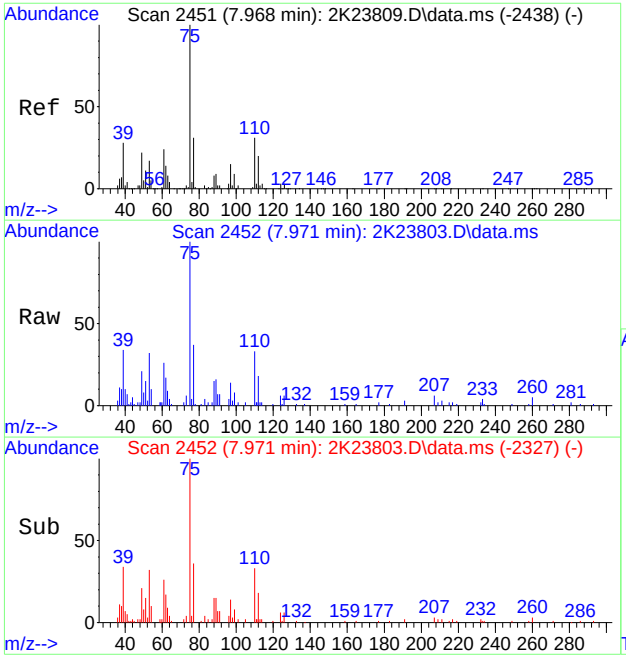


#100
trans-1,4-dichloro-2-butene
Concen: 3.68 ug/L
RT: 7.978 min Scan# 2454
Delta R.T. -0.000 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 53 Resp: 13004

Ion	Ratio	Lower	Upper
53	100		
88	45.2	15.2	75.2
75	186.3	166.9	226.9

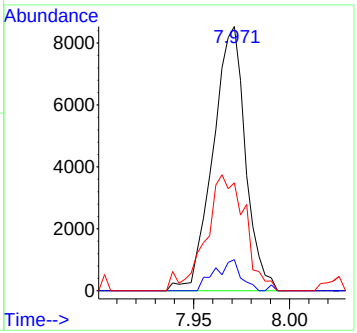


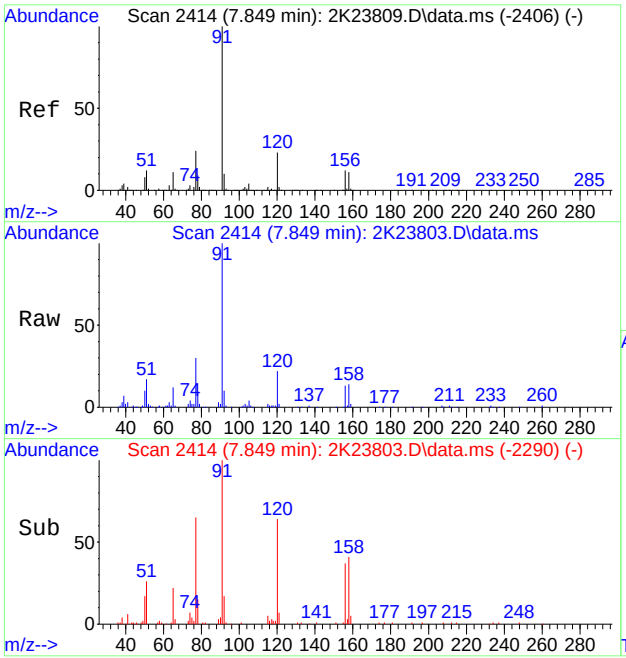


#101
1,2,3-trichloropropane
Concen: 3.98 ug/L
RT: 7.971 min Scan# 2452
Delta R.T. 0.003 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion:110 Resp: 10053

Ion	Ratio	Lower	Upper
110	100		
111	11.8	0.0	39.3
97	40.8	17.7	77.7

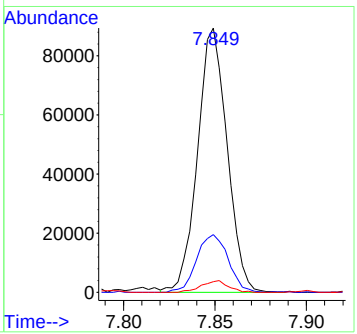


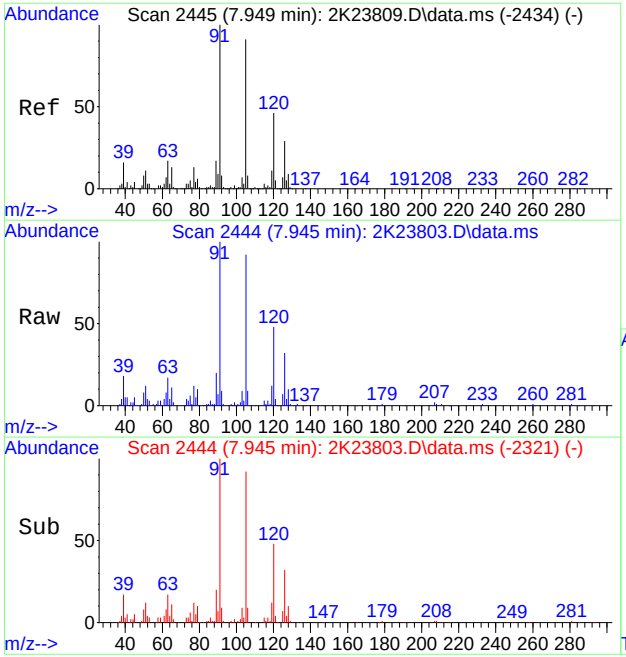


#102
n-propylbenzene
Concen: 3.85 ug/L
RT: 7.849 min Scan# 2414
Delta R.T. -0.000 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 91 Resp: 100586

Ion	Ratio	Lower	Upper
91	100		
120	21.8	0.0	52.7
105	4.1	0.0	34.0

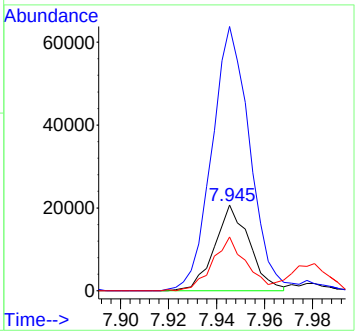


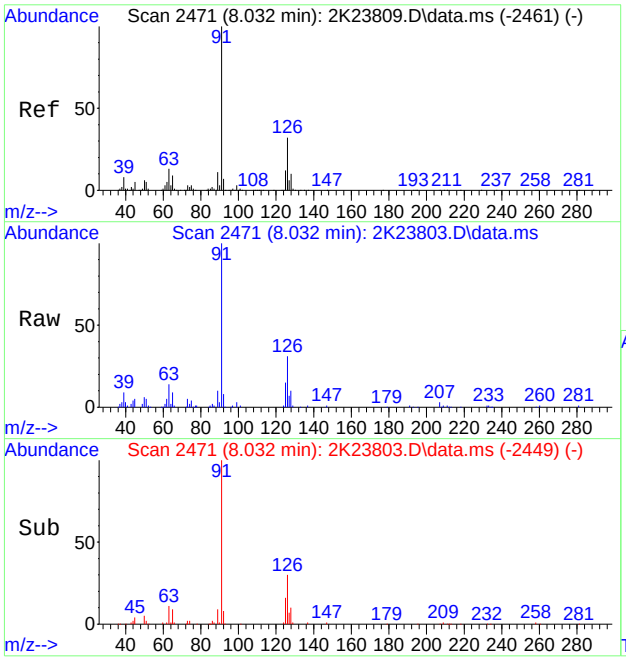


#103
2-chlorotoluene
Concen: 3.85 ug/L
RT: 7.945 min Scan# 2444
Delta R.T. -0.003 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion:126 Resp: 20938

Ion	Ratio	Lower	Upper
126	100		
91	308.6	309.9	369.9#
89	62.9	27.7	87.7

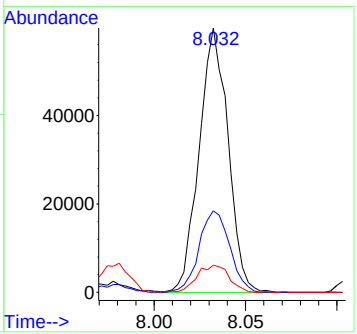


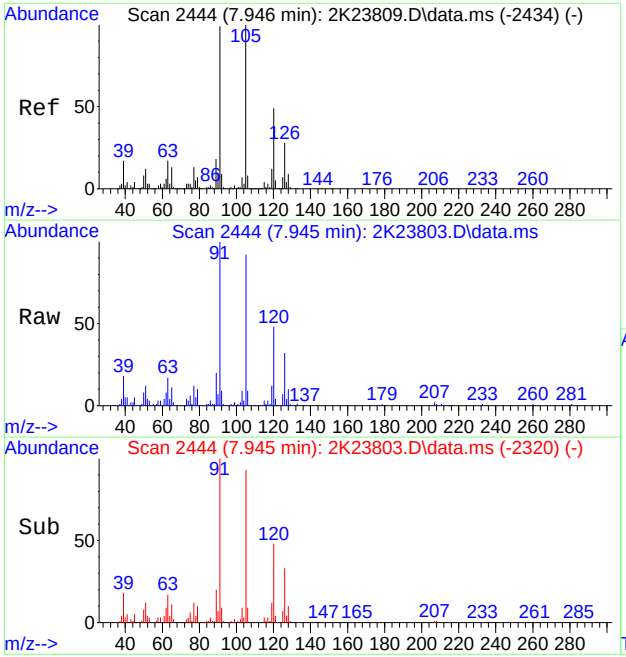


#104
4-chlorotoluene
Concen: 3.78 ug/L
RT: 8.032 min Scan# 2471
Delta R.T. -0.000 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 91 Resp: 65797

Ion	Ratio	Lower	Upper
91	100		
126	30.9	1.8	61.8
89	10.3	0.0	41.0

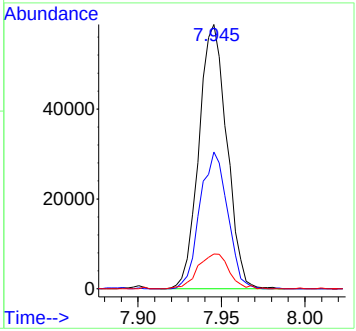


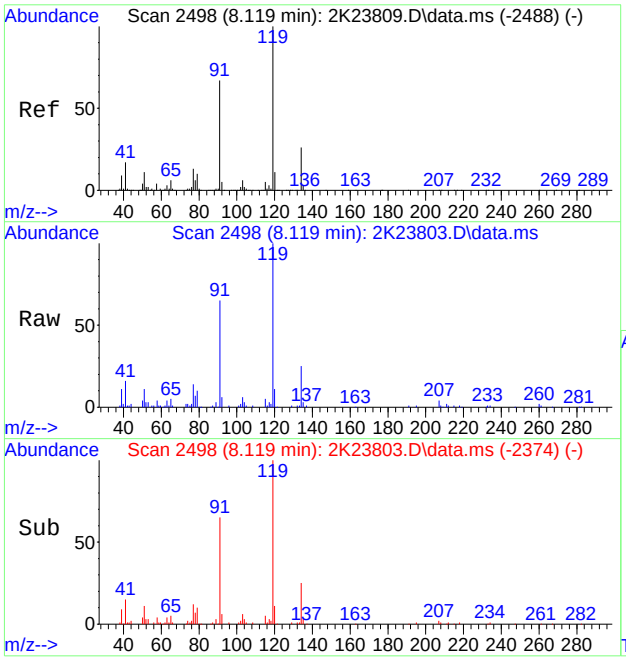


#105
1,3,5-trimethylbenzene
Concen: 3.79 ug/L
RT: 7.945 min Scan# 2444
Delta R.T. -0.000 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion:105 Resp: 68467

Ion	Ratio	Lower	Upper
105	100		
120	51.7	19.0	79.0
119	13.2	0.0	42.0

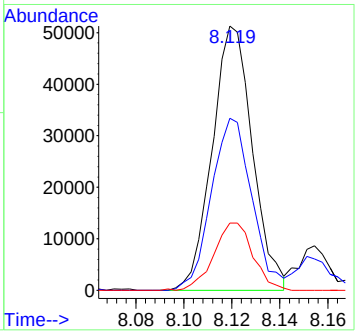


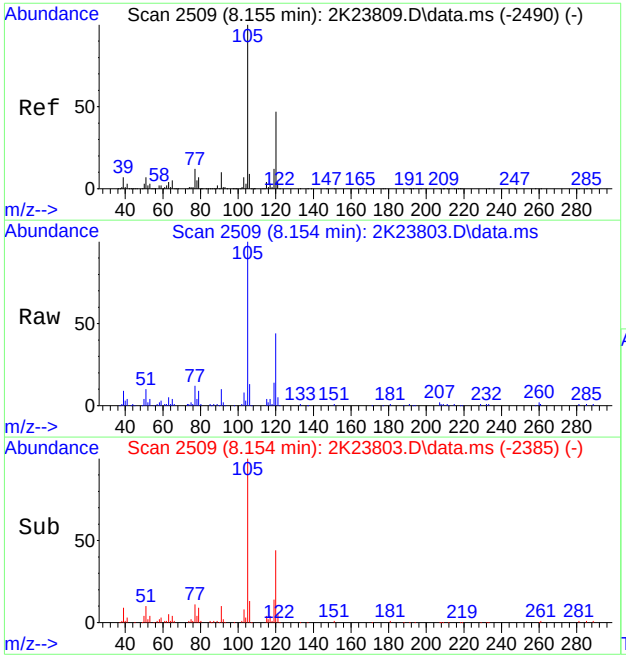


#106
tert-butylbenzene
Concen: 3.85 ug/L
RT: 8.119 min Scan# 2498
Delta R.T. -0.000 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion:119 Resp: 59760

Ion	Ratio	Lower	Upper
119	100		
91	65.1	37.4	97.4
134	25.5	0.0	55.8

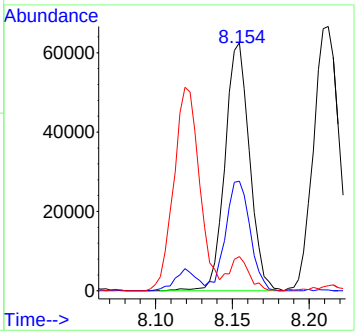


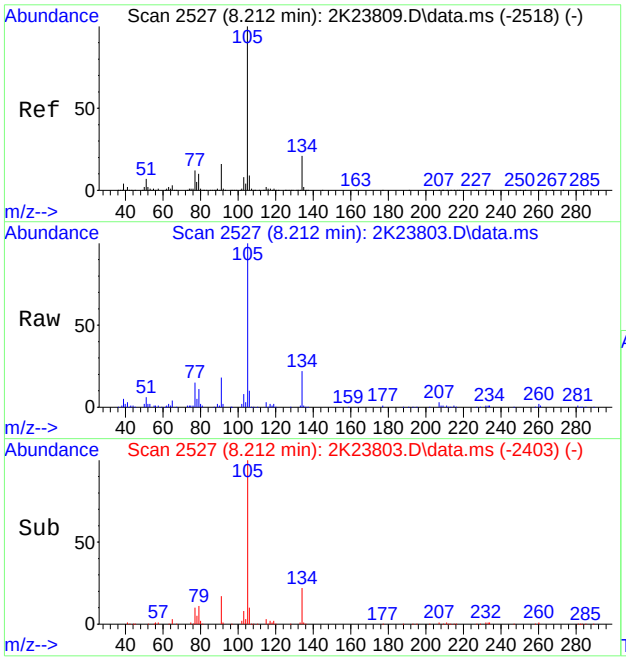


#107
1,2,4-trimethylbenzene
Concen: 3.89 ug/L
RT: 8.154 min Scan# 2509
Delta R.T. -0.000 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion:105 Resp: 69134

Ion	Ratio	Lower	Upper
105	100		
120	44.2	16.8	76.8
119	13.8	0.0	42.0

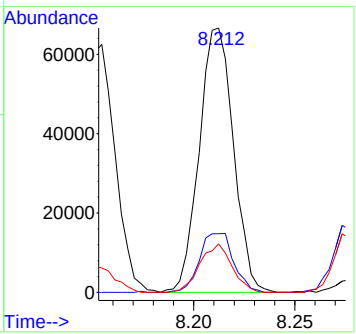


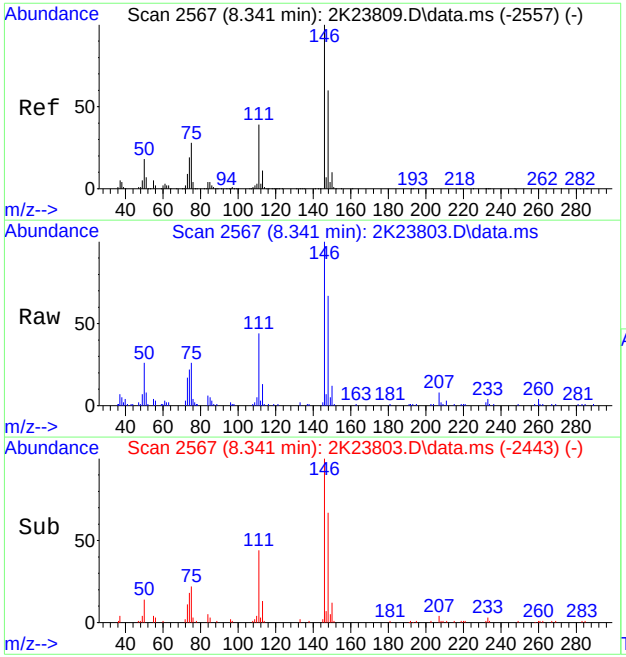


#108
sec-butylbenzene
Concen: 3.93 ug/L
RT: 8.212 min Scan# 2527
Delta R.T. -0.000 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion:105 Resp: 78556

Ion	Ratio	Lower	Upper
105	100		
134	22.2	0.0	51.4
91	18.4	0.0	45.7

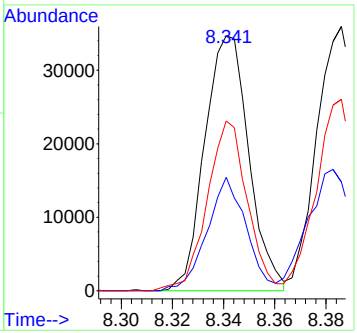


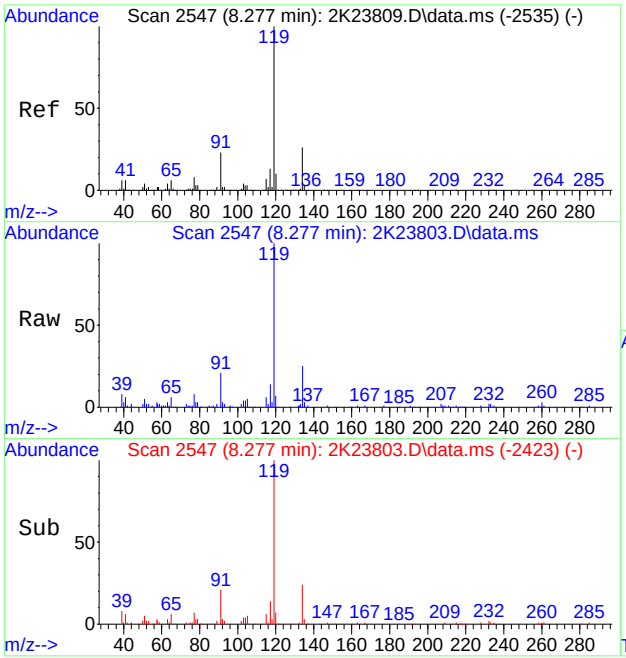


#109
1,3-dichlorobenzene
Concen: 3.90 ug/L
RT: 8.341 min Scan# 2567
Delta R.T. -0.000 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion:146 Resp: 41598

Ion	Ratio	Lower	Upper
146	100		
111	44.5	8.6	68.6
148	65.5	29.8	89.8

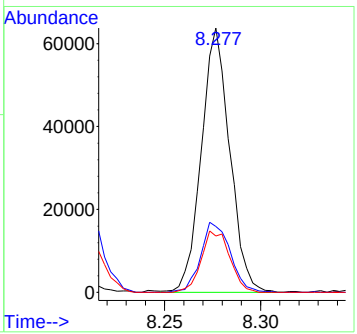


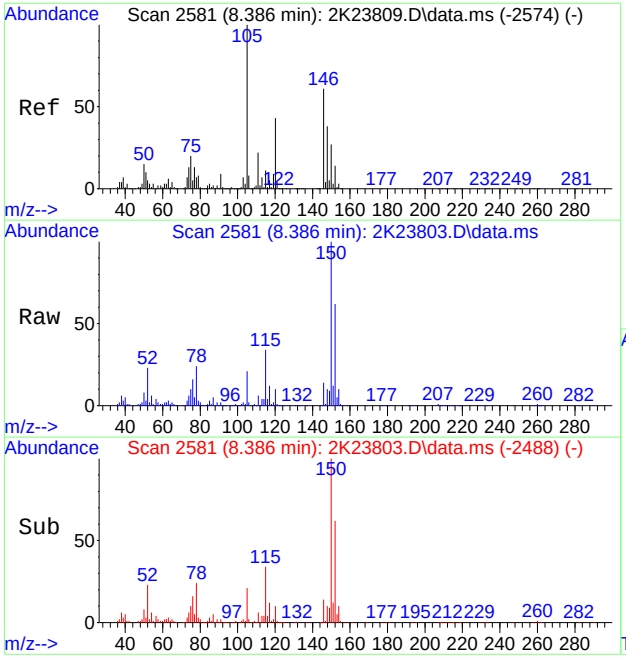


#110
p-isopropyltoluene
Concen: 3.65 ug/L
RT: 8.277 min Scan# 2547
Delta R.T. -0.000 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion:119 Resp: 65656

Ion	Ratio	Lower	Upper
119	100		
134	24.9	0.0	56.0
91	21.4	0.0	53.4

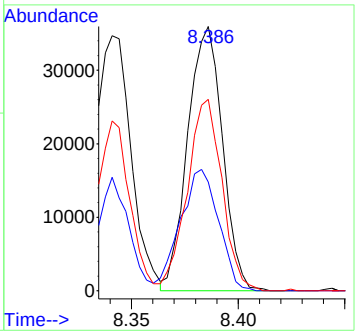


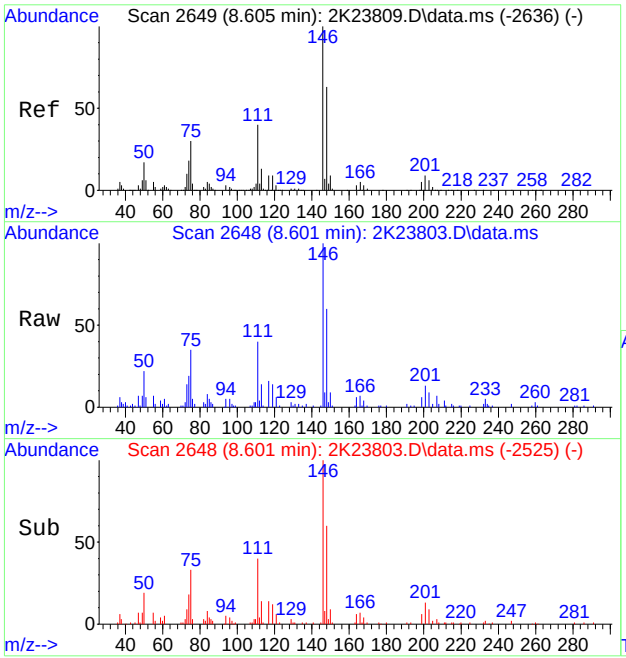


#111
1,4-dichlorobenzene
Concen: 3.84 ug/L
RT: 8.386 min Scan# 2581
Delta R.T. -0.000 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion:146 Resp: 40822

Ion	Ratio	Lower	Upper
146	100		
111	41.1	6.3	66.3
148	72.4	32.9	92.9

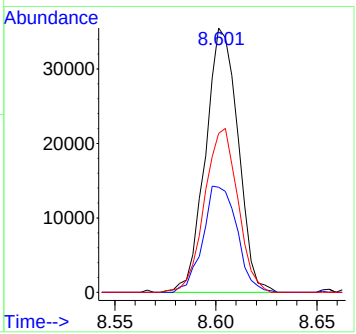


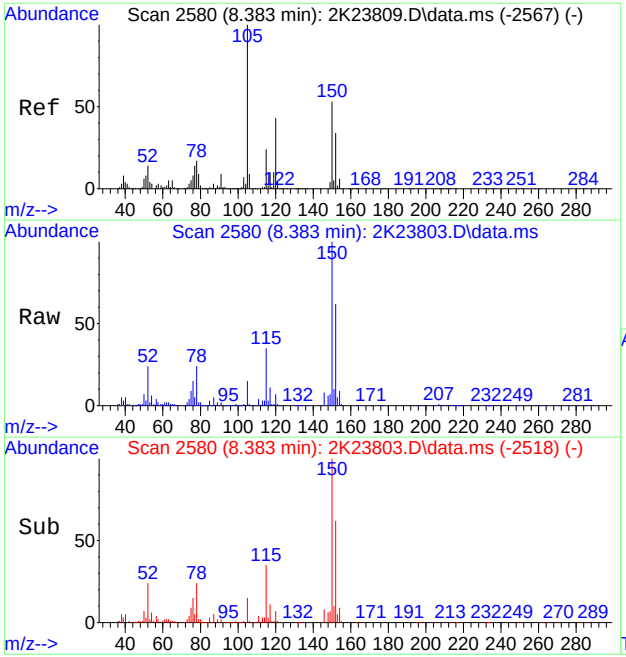


#112
1,2-dichlorobenzene
Concen: 3.95 ug/L
RT: 8.601 min Scan# 2648
Delta R.T. -0.003 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion:146 Resp: 39824

Ion	Ratio	Lower	Upper
146	100		
111	39.7	10.0	70.0
148	60.1	33.3	93.3

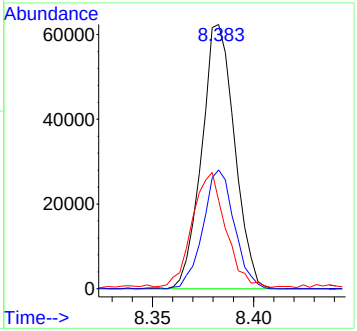


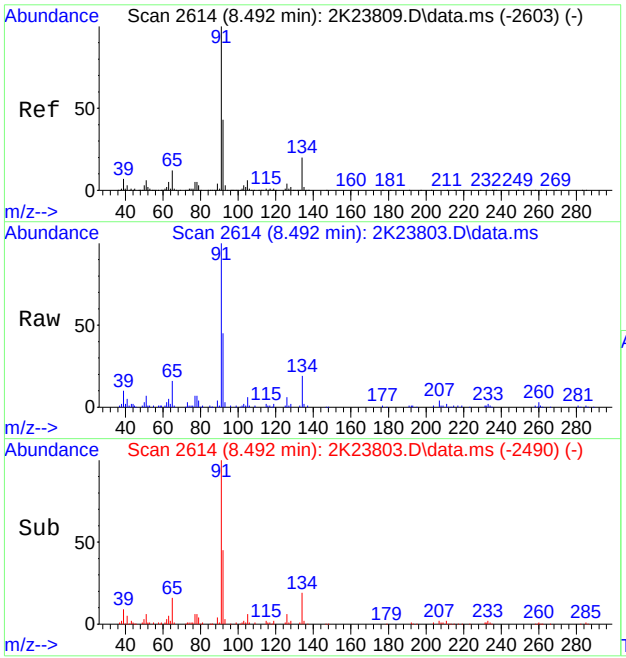


#113
1,2,3-trimethylbenzene
Concen: 3.72 ug/L
RT: 8.383 min Scan# 2580
Delta R.T. -0.000 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion:105 Resp: 70597

Ion	Ratio	Lower	Upper
105	100		
120	44.9	13.3	73.3
77	32.4	0.0	43.9

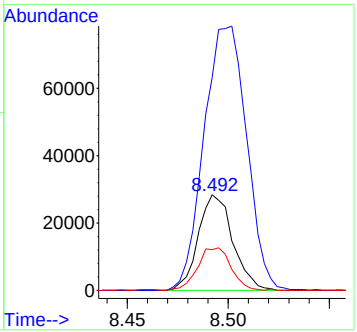


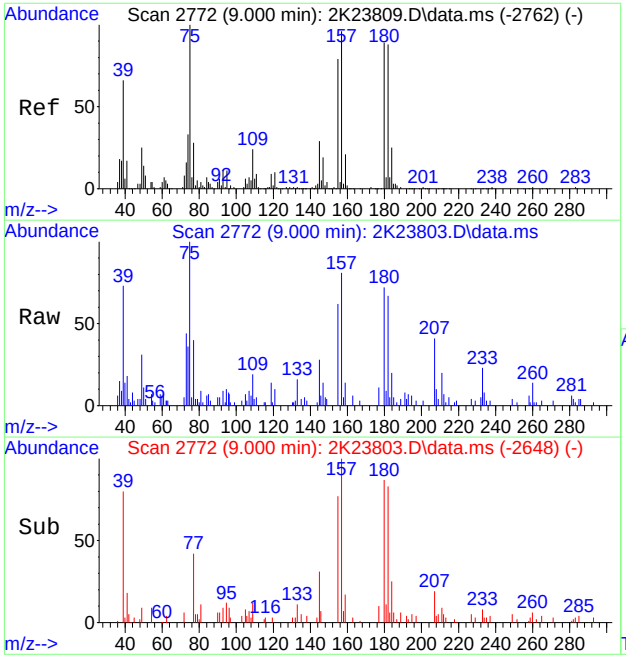


#114
n-butylbenzene
Concen: 3.89 ug/L
RT: 8.492 min Scan# 2614
Delta R.T. -0.000 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion: 92 Resp: 33869

Ion	Ratio	Lower	Upper
92	100		
91	222.8	203.0	263.0
134	42.5	17.1	77.1

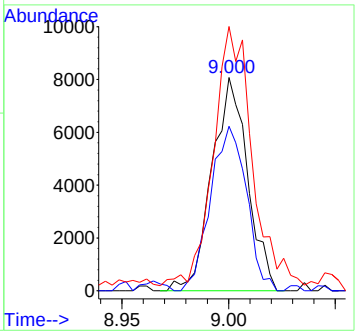


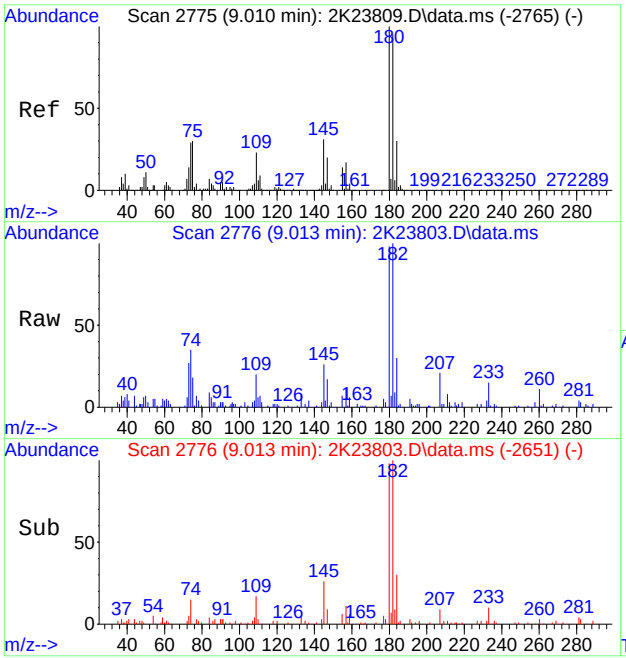


#115
1,2-dibromo-3-chloropropane
Concen: 4.04 ug/L
RT: 9.000 min Scan# 2772
Delta R.T. -0.000 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion:157 Resp: 9398

Ion	Ratio	Lower	Upper
157	100		
155	77.2	52.3	112.3
75	121.6	74.2	134.2

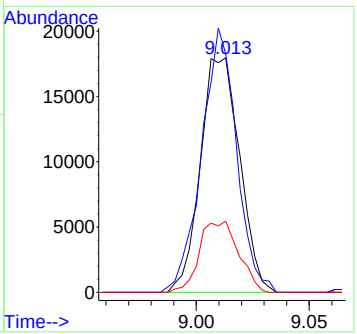


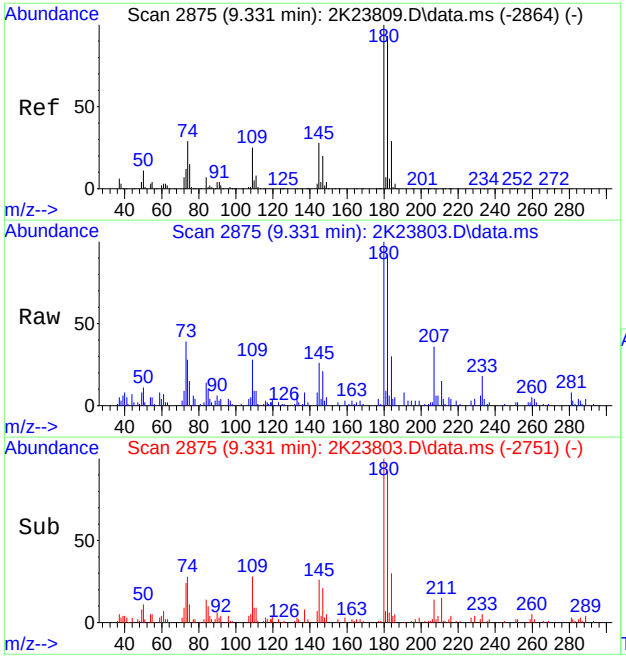


#116
1,3,5-trichlorobenzene
Concen: 3.65 ug/L
RT: 9.013 min Scan# 2776
Delta R.T. 0.003 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion:180 Resp: 21698

Ion	Ratio	Lower	Upper
180	100		
182	101.8	74.7	114.7
184	30.4	9.9	49.9

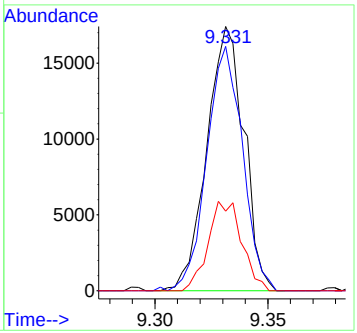


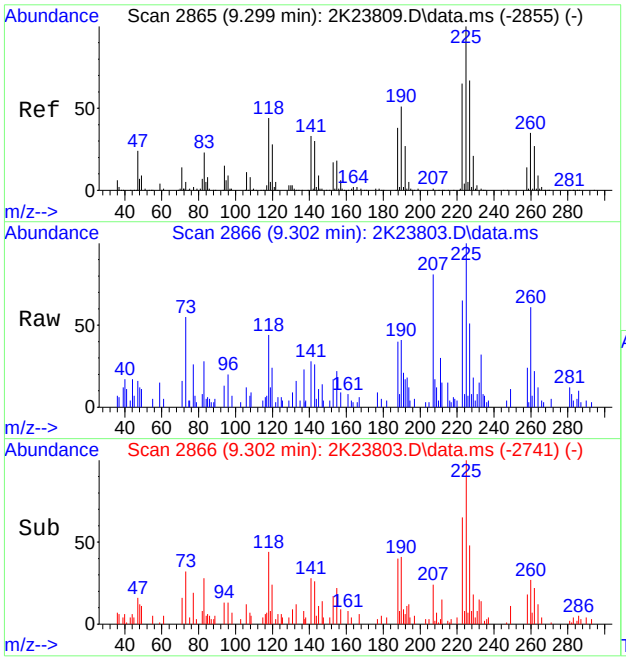


#117
1,2,4-trichlorobenzene
Concen: 3.87 ug/L
RT: 9.331 min Scan# 2875
Delta R.T. -0.000 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion:180 Resp: 19867

Ion	Ratio	Lower	Upper
180	100		
182	92.5	63.0	123.0
184	30.1	0.0	59.0

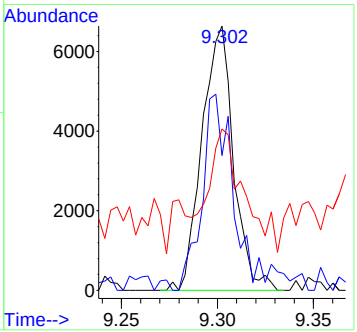


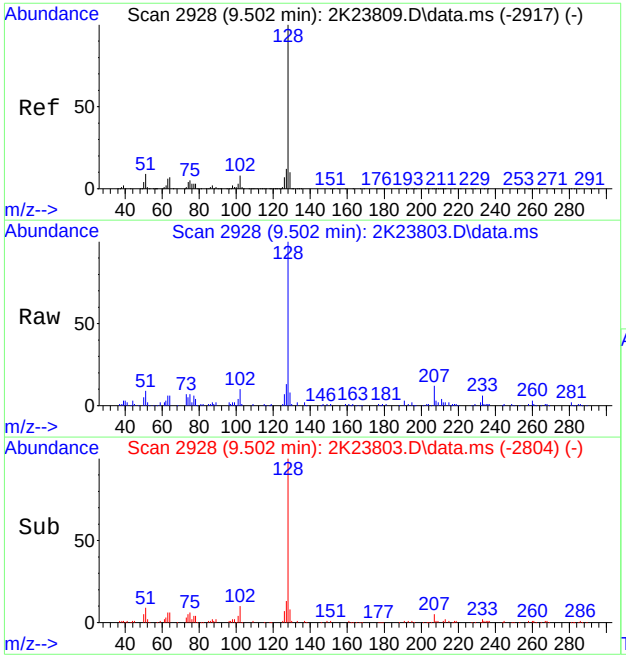


#118
hexachlorobutadiene
Concen: 3.98 ug/L
RT: 9.302 min Scan# 2866
Delta R.T. 0.003 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion:225 Resp: 7581

Ion	Ratio	Lower	Upper
225	100		
227	47.3	36.8	96.8
260	33.7	5.2	65.2

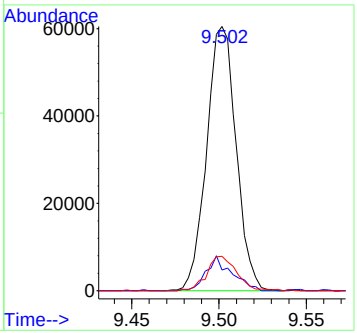


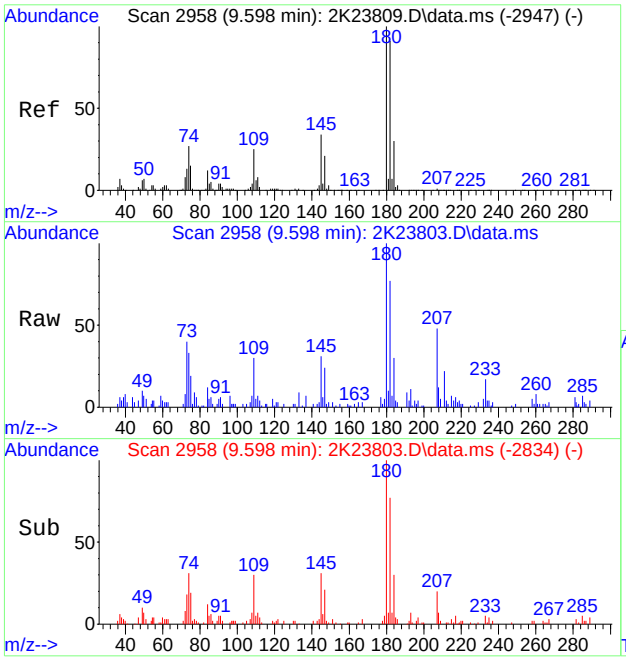


#119
naphthalene
Concen: 3.87 ug/L
RT: 9.502 min Scan# 2928
Delta R.T. -0.000 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion:128 Resp: 71199

Ion	Ratio	Lower	Upper
128	100		
129	7.9	0.0	40.4
127	13.1	0.0	42.1

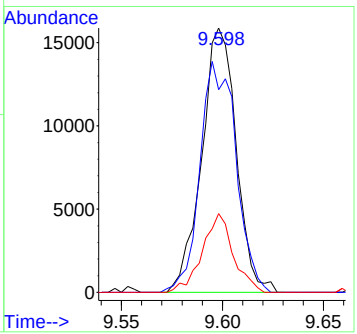


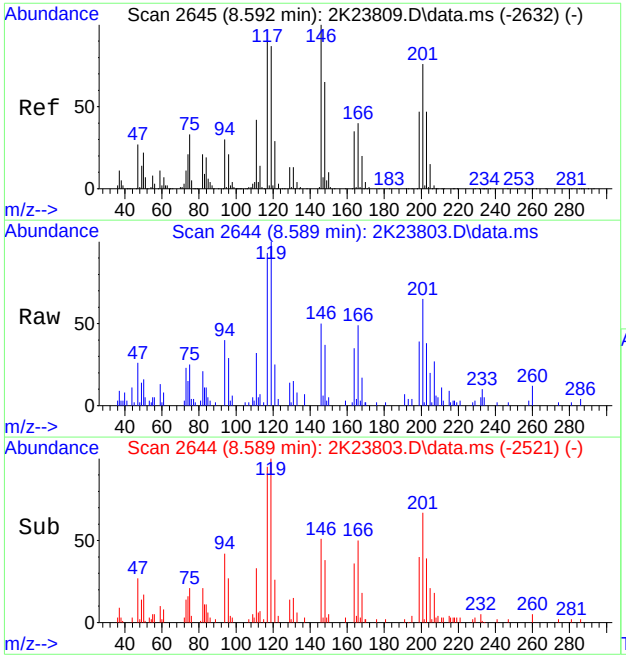


#120
1,2,3-trichlorobenzene
Concen: 3.85 ug/L
RT: 9.598 min Scan# 2958
Delta R.T. -0.000 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion:180 Resp: 18901

Ion	Ratio	Lower	Upper
180	100		
182	76.7	60.8	120.8
184	29.8	0.3	60.3

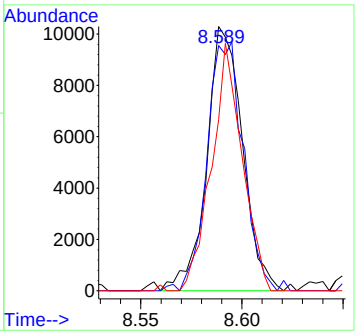


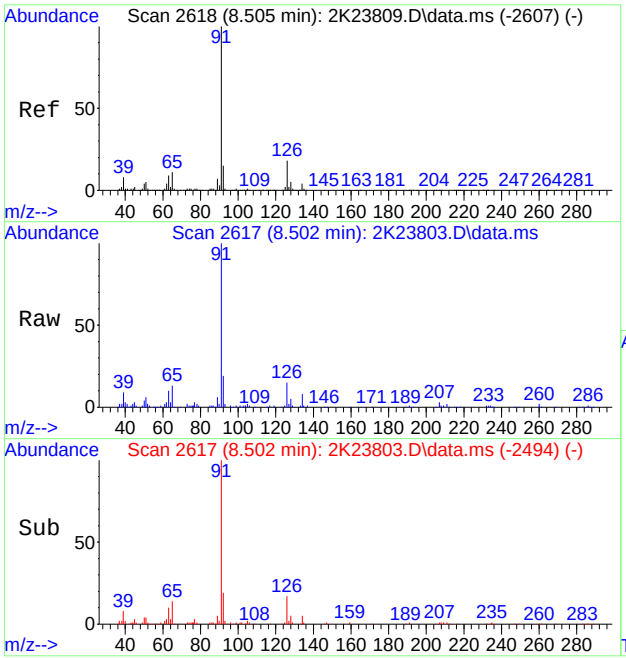


#121
hexachloroethane
Concen: 3.83 ug/L
RT: 8.589 min Scan# 2644
Delta R.T. -0.003 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion:119 Resp: 12656

Ion	Ratio	Lower	Upper
119	100		
117	92.8	72.5	132.5
201	64.8	56.6	116.6

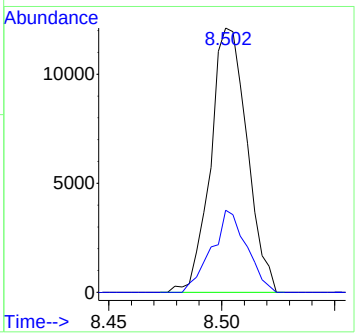


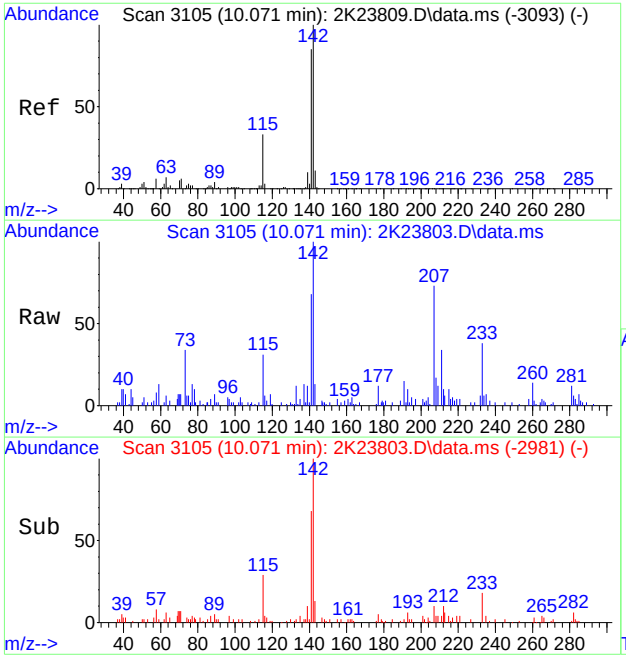


#122
benzyl chloride
Concen: 3.95 ug/L
RT: 8.502 min Scan# 2617
Delta R.T. -0.003 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion:126 Resp: 13543

Ion	Ratio	Lower	Upper
126	100		
128	31.0	1.1	61.1

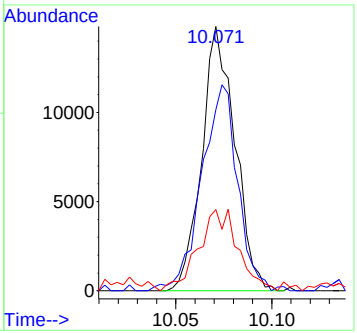




#123
2-methylnaphthalene
Concen: 1.91 ug/L
RT: 10.071 min Scan# 3105
Delta R.T. -0.000 min
Lab File: 2K23803.D
Acq: 5 Sep 2025 11:41 pm

Tgt Ion:142 Resp: 17843

Ion	Ratio	Lower	Upper
142	100		
141	66.8	54.5	114.5
115	30.7	3.3	63.3



Manual Integration Approval Summary

Sample Number: V2K658-IC658
Lab FileID: 2K23803.D
Injection Time: 09/05/25 23:41

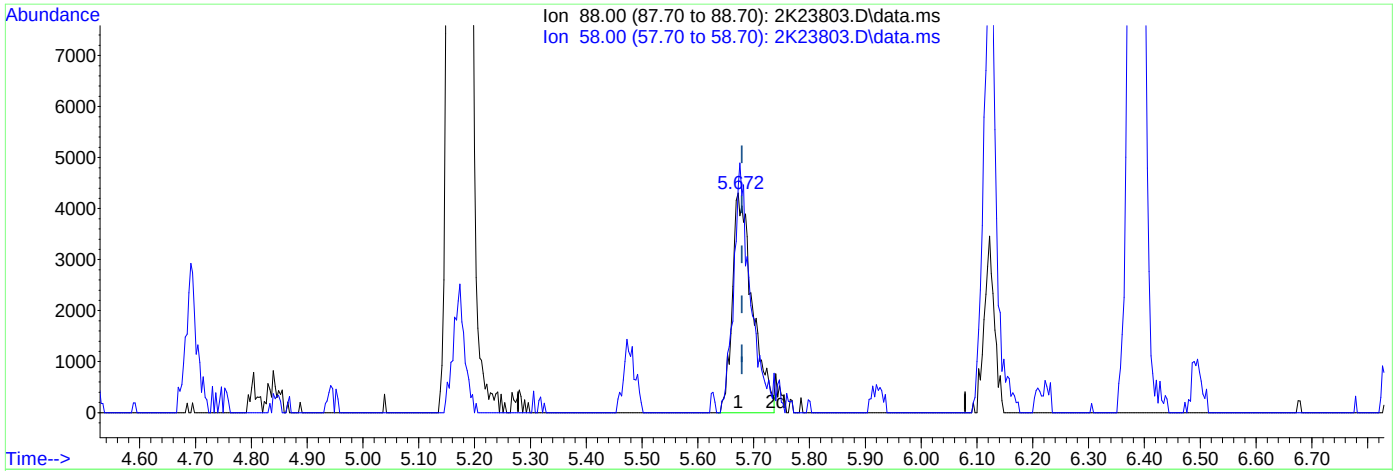
Method: SW846 8260D
Analyst approved: 09/08/25 13:42 MoHui Huang
Supervisor approved: 09/09/25 02:04 Kanya Veerawat

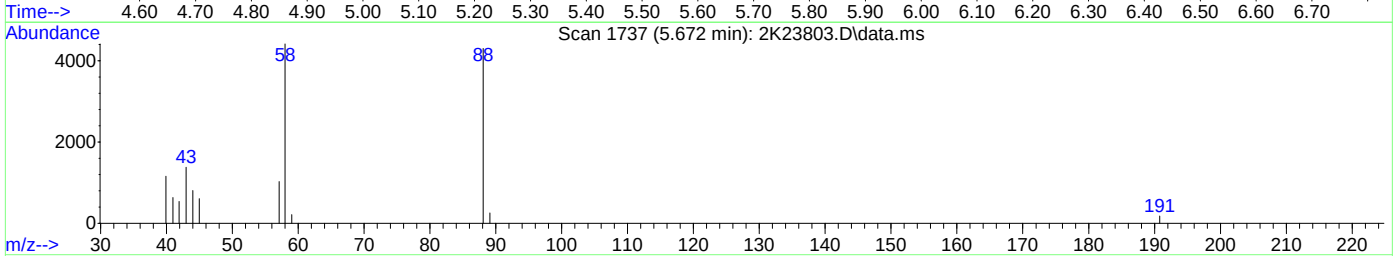
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,4-Dioxane	123-91-1		5.67	Poor instrument integration

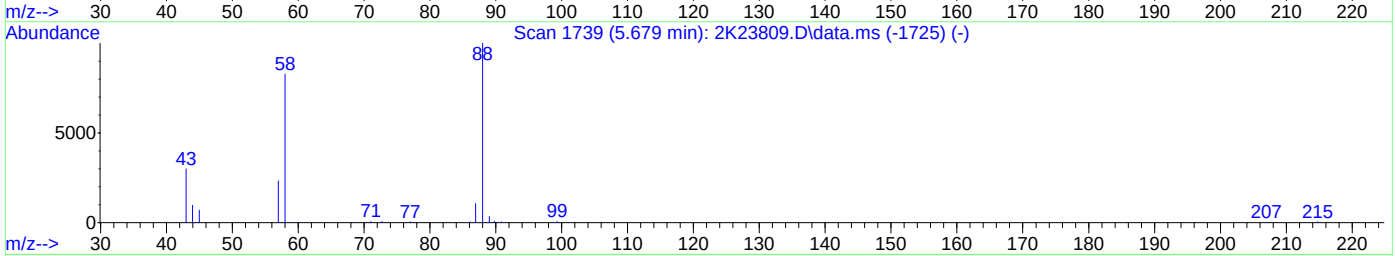
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 2K23803.D
Acq On : 5 Sep 2025 11:41 pm
Operator : PrashanS
Sample : IC658-4
Misc : MS95614,V2K658,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 08 12:55:45 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 12:55:35 2025
Response via : Initial Calibration







TIC: 2K23803.D\data.ms

(4) 1,4-dioxane

5.672min (-0.007) 95.06ug/L

response 10779

Ion	Exp%	Act%
88.00	100	100
58.00	84.50	102.67
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 2K23805.D
Acq On : 6 Sep 2025 12:15 am
Operator : PrashanS
Sample : IC658-8
Misc : MS95614,V2K658,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 08 12:59:16 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 12:57:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	3.499	65	694145	500.00	ug/L	0.00
5) pentafluorobenzene	4.811	168	699148	50.00	ug/L	0.00
50) 1,4-difluorobenzene	5.174	114	1084330	50.00	ug/L	0.00
72) chlorobenzene-d5	7.109	117	908341	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	8.376	152	445564	50.00	ug/L	0.00
124) pentafluorobenzene(a)	4.811	168	699148	50.00	ug/L	0.00
128) 1,4-dichlorobenzene-d4(a)	8.376	152	445564	50.00	ug/L	0.00
System Monitoring Compounds						
42) dibromofluoromethane (s)	4.531	113	298234	50.15	ug/L	0.00
Spiked Amount 50.000	Range 75 - 127		Recovery = 100.30%			
51) 1,2-dichloroethane-d4 (s)	4.881	65	393510	50.34	ug/L	0.00
Spiked Amount 50.000	Range 75 - 130		Recovery = 100.68%			
73) toluene-d8 (s)	6.122	98	1238739	49.74	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.48%			
97) 4-bromofluorobenzene (s)	7.791	95	468280	50.41	ug/L	0.00
Spiked Amount 50.000	Range 79 - 127		Recovery = 100.82%			
Target Compounds						Qvalue
2) ethanol	2.827	45	144465	794.9453	ug/L	96
3) tertiary butyl alcohol	3.550	59	62765	38.5260	ug/L	99
4) 1,4-dioxane	5.679	88	24073	208.9883	ug/L	83
6) chlorodifluoromethane	1.766	51	79001	8.2067	ug/L	99
7) dichlorodifluoromethane	1.724	85	57478	8.1534	ug/L	94
8) chloromethane	1.910	50	64723	7.8259	ug/L	97
9) vinyl chloride	1.971	62	55956	8.3779	ug/L	95
10) 1,3-butadiene	1.987	39	54016	7.8119	ug/L	92
11) bromomethane	2.254	96	17529	8.3067	ug/L #	93
12) chloroethane	2.360	64	28428	8.2659	ug/L	96
13) trichlorofluoromethane	2.486	101	75416	8.1359	ug/L	96
14) ethyl ether	2.730	74	26009	7.8019	ug/L	95
15) acrolein	3.151	56	14122	8.0653	ug/L	95
16) freon 113	2.923	151	31815	7.5892	ug/L	95
17) 1,1-dichloroethene	2.901	61	68521	7.8427	ug/L	97
18) acetone	3.357	58	33017	30.0103	ug/L	95
19) acetonitrile	3.698	41	130875	80.0199	ug/L	98
20) iodomethane	3.026	142	34879	8.4686	ug/L	92
21) carbon disulfide	2.946	76	116590	7.9087	ug/L	98
22) methylene chloride	3.335	84	39174	7.6087	ug/L	95
23) methyl acetate	3.438	74	11158	7.5751	ug/L #	86
24) methyl tert butyl ether	3.512	73	132657	7.3773	ug/L	97
25) trans-1,2-dichloroethene	3.454	96	39182	7.5448	ug/L	93
26) hexane	3.502	57	102882	7.3367	ug/L	89
27) di-isopropyl ether	3.766	45	175157	7.6498	ug/L	99
28) ethyl tert-butyl ether	4.010	59	156707	7.7305	ug/L	94
29) 2-butanone	4.592	72	36322	32.3651	ug/L	98
30) 1,1-dichloroethane	3.878	63	82994	7.8283	ug/L	94
31) chloroprene	3.862	53	89990	7.9166	ug/L	98
32) acrylonitrile	3.910	52	25896	7.7155	ug/L	99
33) vinyl acetate	4.029	86	10176	7.2032	ug/L #	26
34) ethyl acetate	4.460	70	6972	7.0307	ug/L	90
35) 2,2-dichloropropane	4.312	77	67386	7.8725	ug/L	98
36) cis-1,2-dichloroethene	4.238	96	41870	7.5905	ug/L	93
37) propionitrile	4.798	54	143811	79.4769	ug/L	91
38) methyl acrylate	4.473	85	9033	7.0631	ug/L	94
39) bromochloromethane	4.370	128	19052	8.0217	ug/L	90
40) tetrahydrofuran	4.515	71	9513	7.9361	ug/L	94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 2K23805.D
Acq On : 6 Sep 2025 12:15 am
Operator : PrashanS
Sample : IC658-8
Misc : MS95614,V2K658,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 08 12:59:16 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 12:57:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) chloroform	4.409	83	76411	7.3519	ug/L		94
43) methacrylonitrile	4.814	67	28167	7.4840	ug/L		96
44) 1,1,1-trichloroethane	4.560	97	67604	7.8535	ug/L		98
45) cyclohexane	4.386	84	59912	7.9925	ug/L		85
46) 1,1-dichloropropene	4.634	75	58718	8.0600	ug/L		94
47) carbon tetrachloride	4.518	117	60106	7.5403	ug/L		95
49) tert-amyl alcohol	4.939	55	23359	39.6727	ug/L	#	88
52) iso-octane	4.695	57	162287	7.7925	ug/L		93
53) benzene	4.801	78	161844	7.7632	ug/L		96
54) tert-amyl methyl ether	4.839	73	138251	7.7552	ug/L		99
55) heptane	4.743	57	24836	8.2592	ug/L		95
56) isopropyl acetate	5.032	87	13281	8.0029	ug/L	#	90
57) 1,2-dichloroethane	4.926	62	66144	7.6222	ug/L		96
58) n-butyl alcohol	5.312	56	185855	405.4730	ug/L		100
59) ethyl acrylate	5.476	55	90034	8.0138	ug/L		100
60) trichloroethene	5.167	130	40620	8.1630	ug/L		89
61) 2-nitropropane	6.309	41	22640	7.0608	ug/L		98
62) 2-chloroethyl vinyl ether	5.926	63	157603	43.5663	ug/L		100
63) methyl methacrylate	5.618	100	14996	7.6629	ug/L		95
64) 1,2-dichloropropane	5.515	63	44096	7.5264	ug/L		87
65) methylcyclohexane	5.174	98	28003	7.5720	ug/L		90
66) dibromomethane	5.447	93	25500	7.8194	ug/L		92
67) bromodichloromethane	5.540	83	55545	8.0152	ug/L		92
68) epichlorohydrin	6.154	57	54058	42.1944	ug/L		95
69) cis-1,3-dichloropropene	5.991	75	69239	7.8383	ug/L		90
70) 4-methyl-2-pentanone	6.386	58	120775	32.1634	ug/L		98
71) 3-methyl-1-butanol	6.216	70	54925	151.9723	ug/L		95
74) toluene	6.158	92	101452	7.6156	ug/L		94
75) ethyl methacrylate	6.495	69	64965	7.9800	ug/L		96
76) trans-1,3-dichloropropene	6.418	75	68523	7.9587	ug/L		95
77) 1,1,2-trichloroethane	6.527	83	30421	7.5843	ug/L		93
78) tetrachloroethene	6.421	166	40319	8.0383	ug/L		99
79) 2-hexanone	6.907	58	134006	32.5842	ug/L		97
80) 1,3-dichloropropane	6.708	76	69017	8.0266	ug/L		99
81) butyl acetate	6.833	56	49175	8.2266	ug/L		99
82) dibromochloromethane	6.653	129	42598	8.4313	ug/L		96
83) 1,2-dibromoethane	6.814	107	40042	8.4990	ug/L		95
84) n-butyl ether	7.013	57	216437	7.9162	ug/L		99
85) chlorobenzene	7.119	112	107685	7.8595	ug/L		99
86) 1,1,1,2-tetrachloroethane	7.151	131	40094	8.4498	ug/L		95
87) ethylbenzene	7.122	91	194570	7.5867	ug/L		94
88) m,p-xylene	7.203	106	149674	16.4375	ug/L		100
89) o-xylene	7.453	106	71558	8.0243	ug/L		93
90) styrene	7.479	104	120120	8.0033	ug/L		98
91) bromoform	7.515	173	31530	7.6155	ug/L		93
92) butyl acrylate	7.521	55	120497	7.8057	ug/L		100
93) isopropylbenzene	7.624	105	180932	8.2666	ug/L		98
94) n-amyl acetate	7.662	70	38671	7.9003	ug/L		97
95) cis-1,4-dichloro-2-butene	7.817	88	29303	9.0315	ug/L	#	81
98) bromobenzene	7.855	156	45320	7.8497	ug/L		97
99) 1,1,2,2-tetrachloroethane	7.884	83	56132	7.4937	ug/L		90
100) trans-1,4-dichloro-2-b...	7.978	53	27099	7.7766	ug/L		91
101) 1,2,3-trichloropropane	7.968	110	19992	7.8970	ug/L		95
102) n-propylbenzene	7.849	91	205956	7.9080	ug/L		96
103) 2-chlorotoluene	7.945	126	41853	7.7165	ug/L		91
104) 4-chlorotoluene	8.032	91	134580	7.7809	ug/L		98
105) 1,3,5-trimethylbenzene	7.945	105	141117	7.8588	ug/L		99
106) tert-butylbenzene	8.122	119	122180	7.9037	ug/L		92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 2K23805.D
Acq On : 6 Sep 2025 12:15 am
Operator : PrashanS
Sample : IC658-8
Misc : MS95614,V2K658,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 08 12:59:16 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 12:57:41 2025
Response via : Initial Calibration

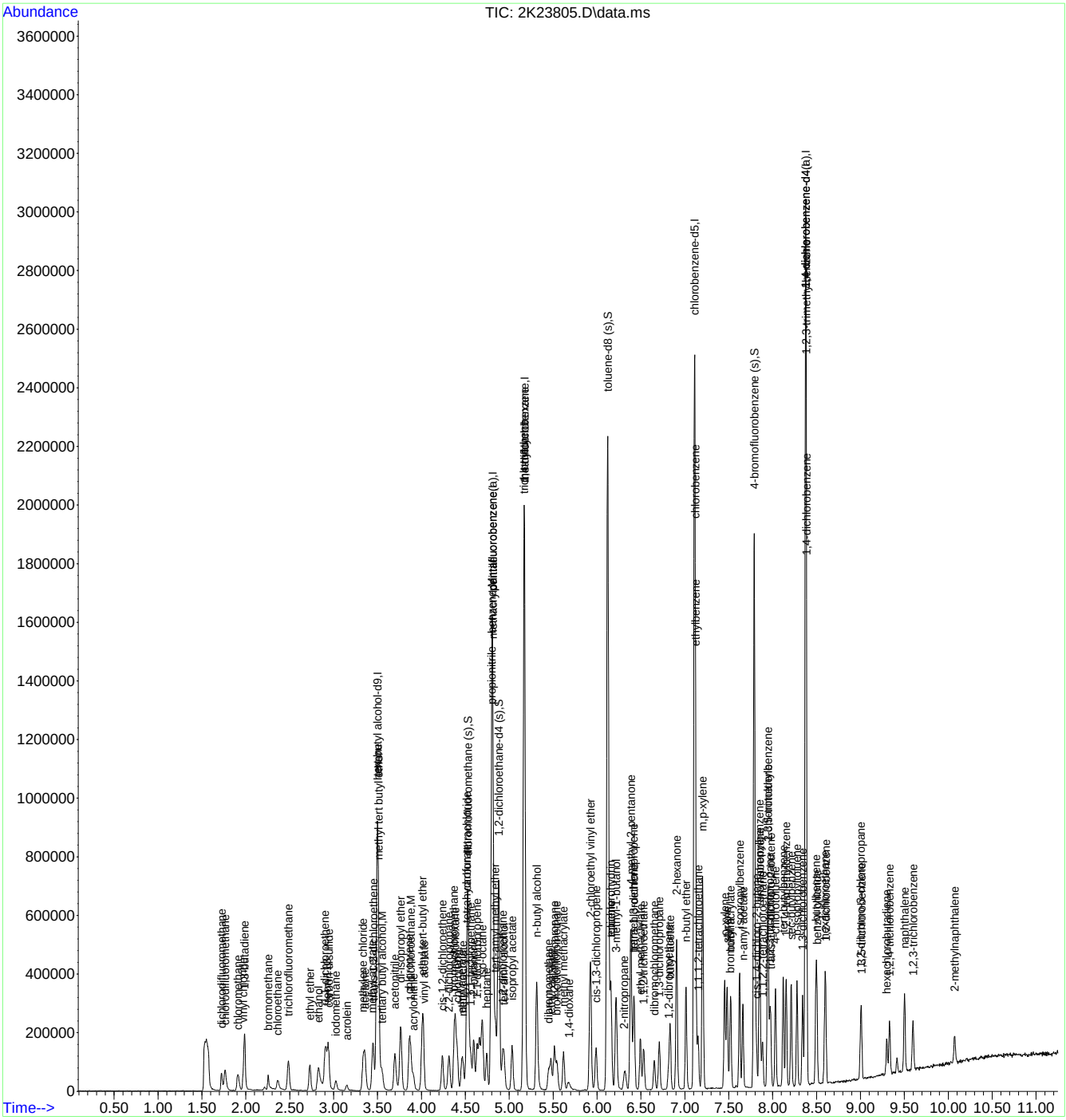
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
107) 1,2,4-trimethylbenzene	8.151	105	139386	7.8552	ug/L	99
108) sec-butylbenzene	8.212	105	161244	8.0629	ug/L	97
109) 1,3-dichlorobenzene	8.341	146	83387	7.8264	ug/L	96
110) p-isopropyltoluene	8.277	119	136830	7.6924	ug/L	91
111) 1,4-dichlorobenzene	8.386	146	84562	8.0057	ug/L	96
112) 1,2-dichlorobenzene	8.605	146	81461	8.0750	ug/L	92
113) 1,2,3-trimethylbenzene	8.383	105	140955	7.5045	ug/L	93
114) n-butylbenzene	8.492	92	69739	8.0301	ug/L	91
115) 1,2-dibromo-3-chloropr...	9.003	157	17652	7.5491	ug/L	84
116) 1,3,5-trichlorobenzene	9.013	180	45407	7.7370	ug/L	90
117) 1,2,4-trichlorobenzene	9.331	180	38687	7.5648	ug/L	94
118) hexachlorobutadiene	9.299	225	14440	7.5752	ug/L	91
119) naphthalene	9.502	128	143376	7.8279	ug/L	98
120) 1,2,3-trichlorobenzene	9.598	180	37248	7.6192	ug/L	96
121) hexachloroethane	8.595	119	25074	7.6507	ug/L	89
122) benzyl chloride	8.505	126	25666	7.4960	ug/L	93
123) 2-methylnaphthalene	10.071	142	35148	3.7934	ug/L	94

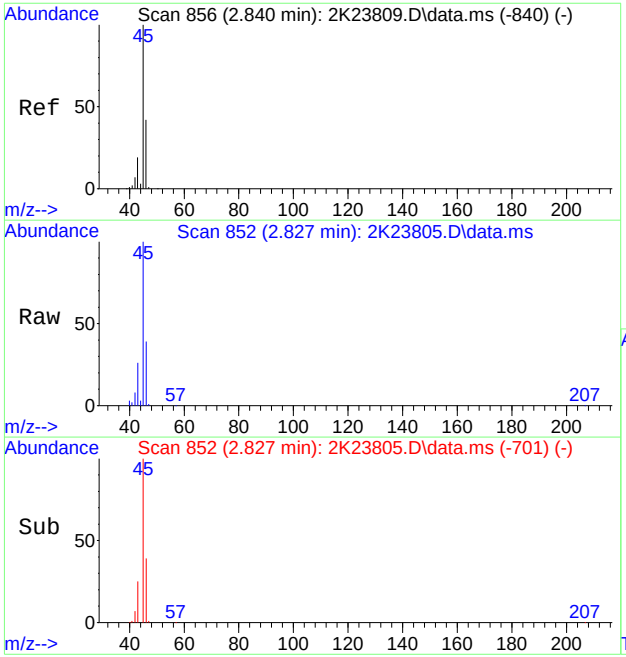
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 2K23805.D
Acq On : 6 Sep 2025 12:15 am
Operator : PrashanS
Sample : IC658-8
Misc : MS95614,V2K658,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 08 12:59:16 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 12:57:41 2025
Response via : Initial Calibration

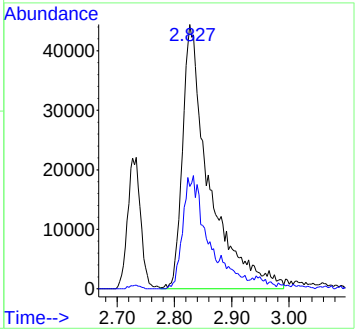


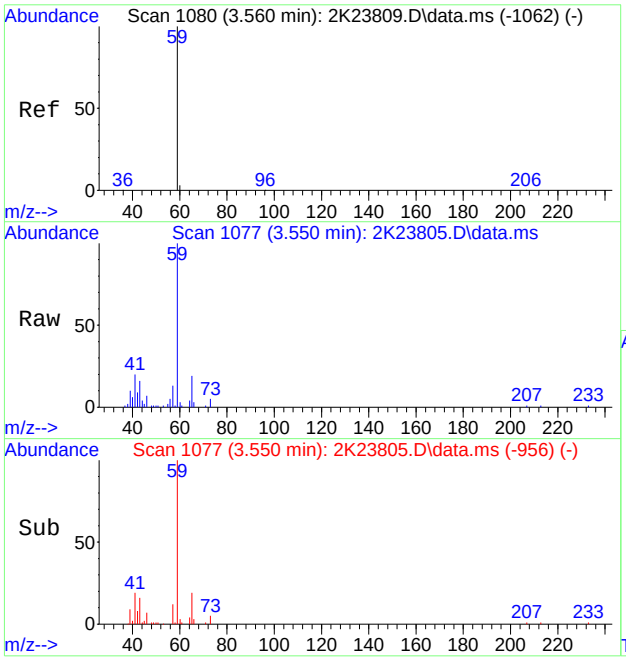


#2
ethanol
Concen: 794.95 ug/L
RT: 2.827 min Scan# 852
Delta R.T. -0.013 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion: 45 Resp: 144465

Ion	Ratio	Lower	Upper
45	100		
46	38.8	21.3	61.3

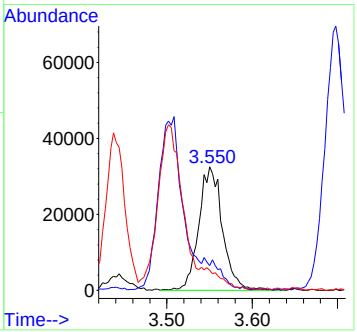


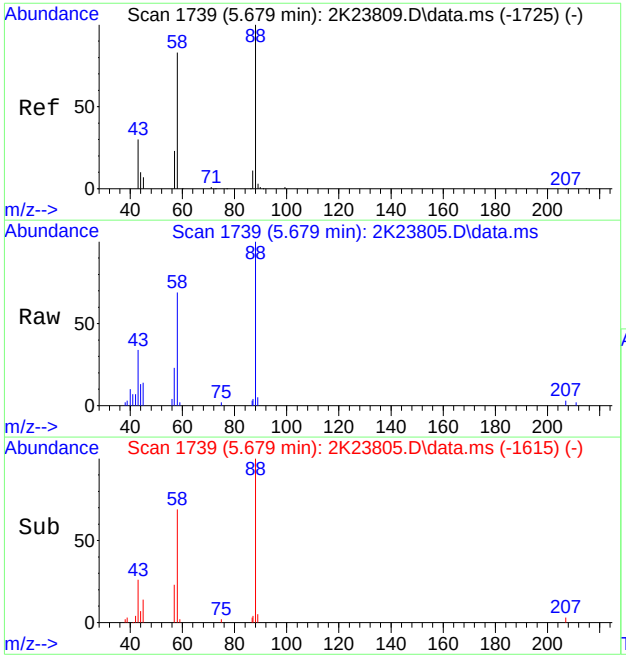


#3
tertiary butyl alcohol
Concen: 38.53 ug/L
RT: 3.550 min Scan# 1077
Delta R.T. -0.010 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion: 59 Resp: 62765

Ion	Ratio	Lower	Upper
59	100		
41	18.5	0.0	30.0
43	15.8	0.0	45.5

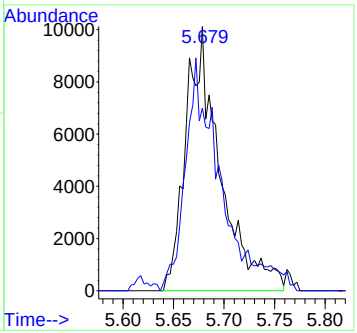


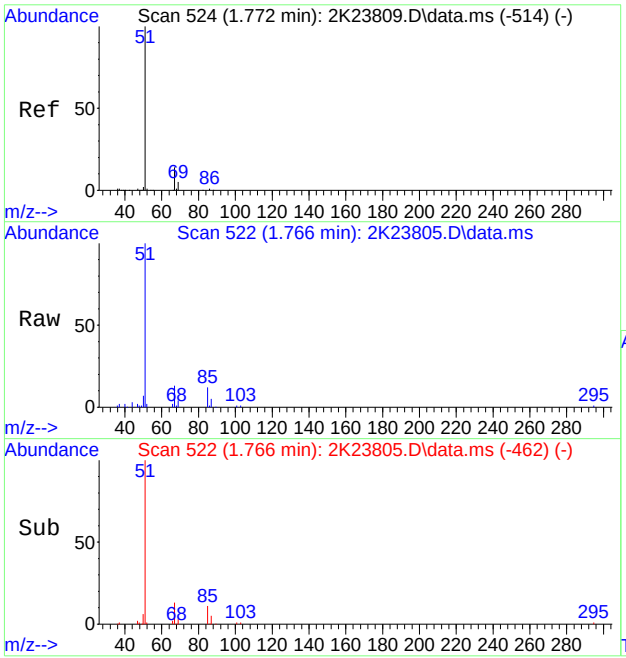


#4
1,4-dioxane
Concen: 208.99 ug/L
RT: 5.679 min Scan# 1739
Delta R.T. -0.000 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion: 88 Resp: 24073

Ion	Ratio	Lower	Upper
88	100		
58	69.1	64.5	104.5

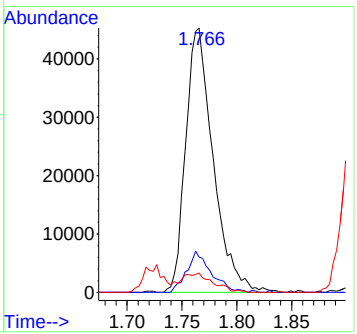


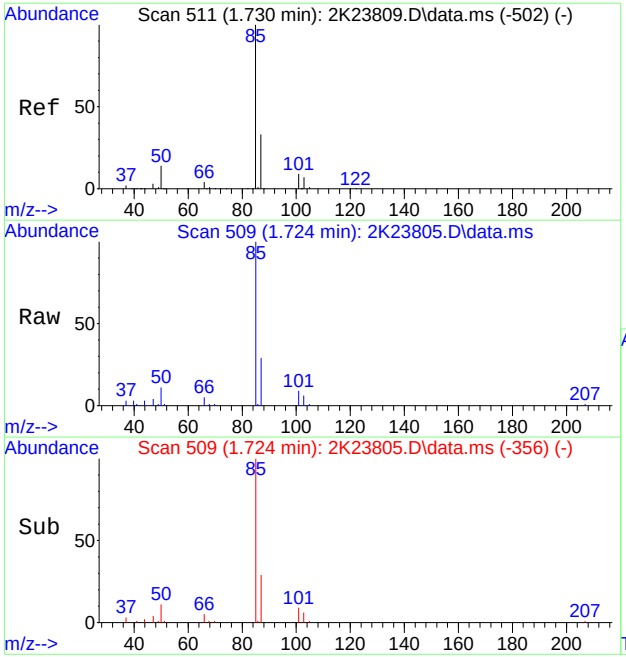


#6
chlorodifluoromethane
Concen: 8.21 ug/L
RT: 1.766 min Scan# 522
Delta R.T. -0.007 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion: 51 Resp: 79001

Ion	Ratio	Lower	Upper
51	100		
67	13.4	0.0	44.0
50	7.4	0.0	37.4

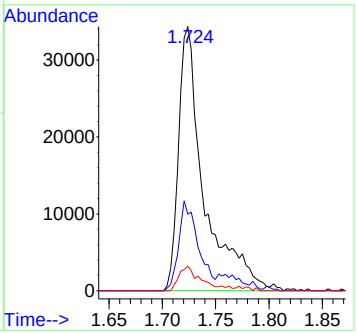


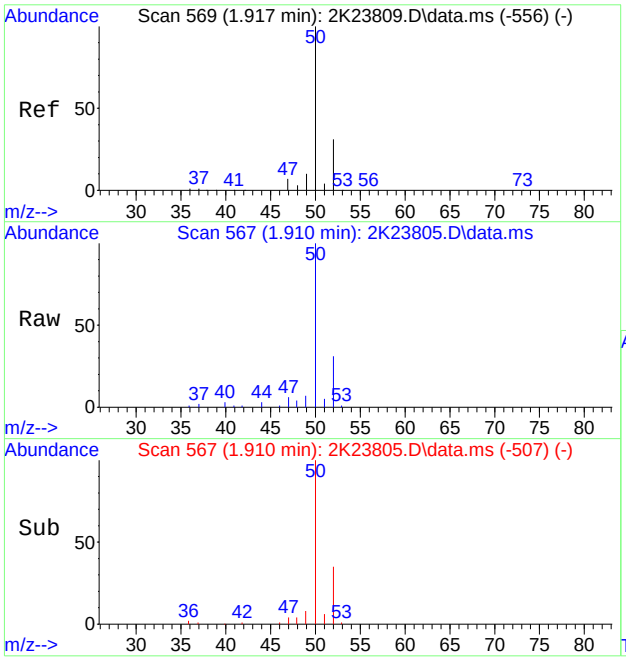


#7
dichlorodifluoromethane
Concen: 8.15 ug/L
RT: 1.724 min Scan# 509
Delta R.T. -0.007 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion: 85 Resp: 57478

Ion	Ratio	Lower	Upper
85	100		
87	28.9	3.4	63.4
101	9.3	0.0	39.0

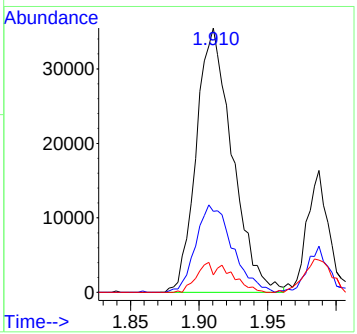


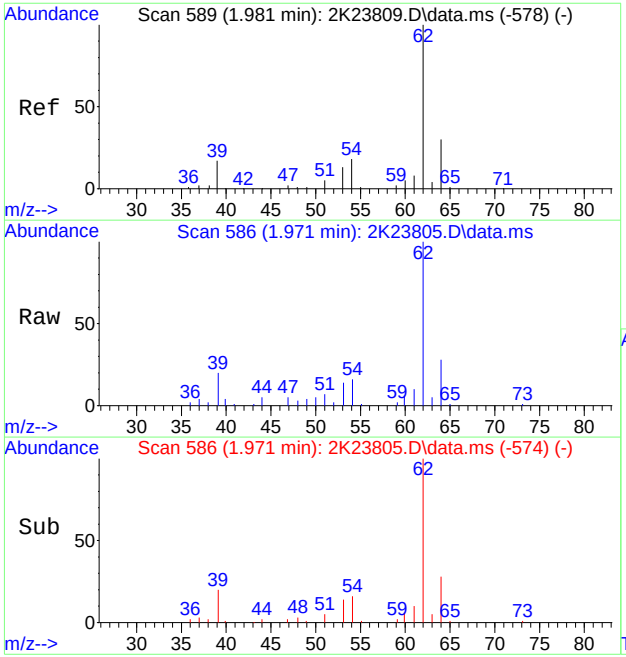


#8
chloromethane
Concen: 7.83 ug/L
RT: 1.910 min Scan# 567
Delta R.T. -0.007 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion: 50 Resp: 64723

Ion	Ratio	Lower	Upper
50	100		
52	30.6	0.8	60.8
49	6.6	0.0	40.1

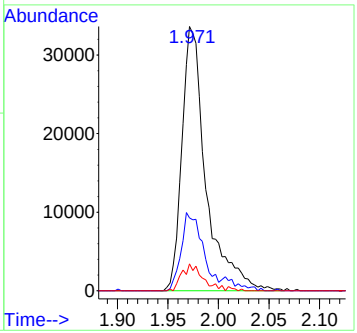


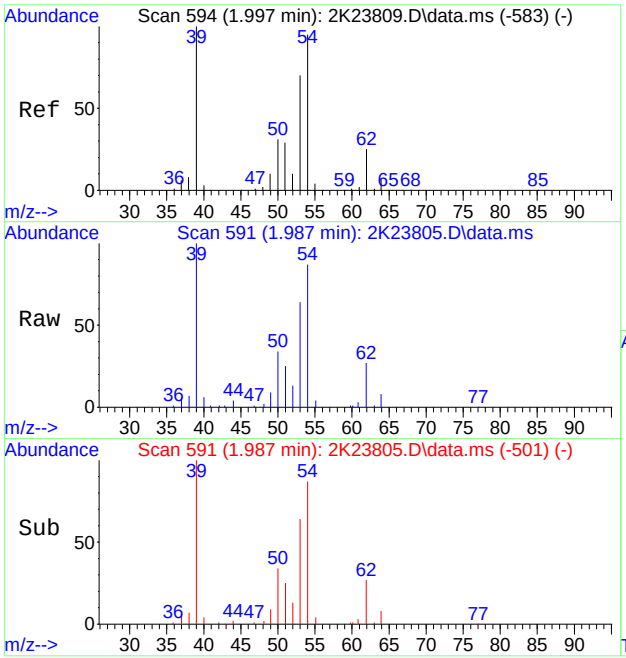


#9
vinyl chloride
Concen: 8.38 ug/L
RT: 1.971 min Scan# 586
Delta R.T. -0.010 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion: 62 Resp: 55956

Ion	Ratio	Lower	Upper
62	100		
64	27.6	0.0	60.0
61	10.2	0.0	37.6

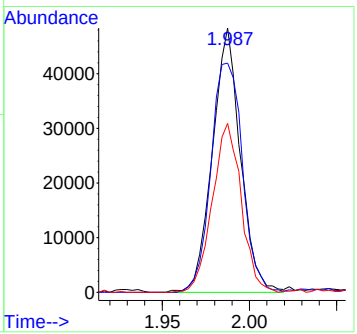




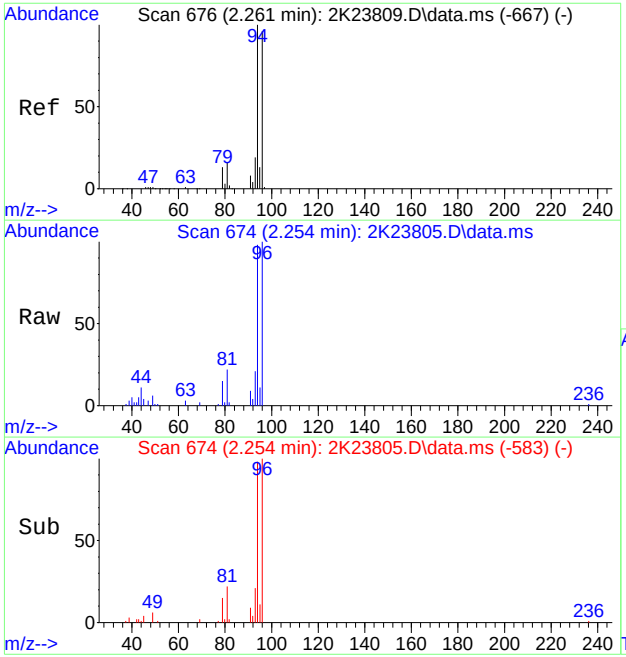
#10
1,3-butadiene
Concen: 7.81 ug/L
RT: 1.987 min Scan# 591
Delta R.T. -0.010 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion: 39 Resp: 54016

Ion	Ratio	Lower	Upper
39	100		
54	86.7	65.4	125.4
53	63.9	40.3	100.3



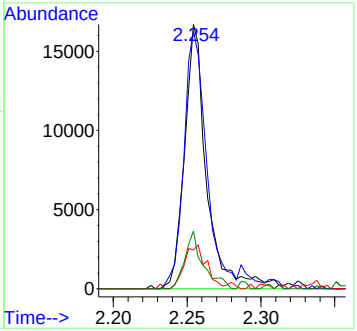
7.6.6

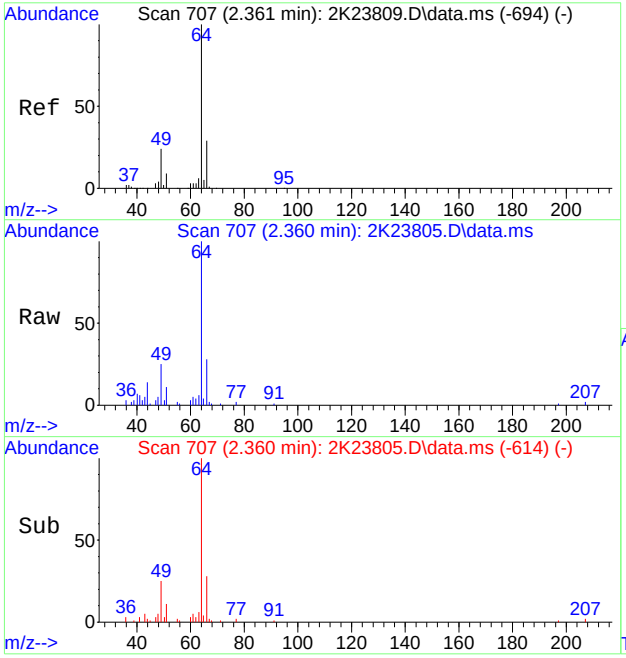


#11
bromomethane
Concen: 8.31 ug/L
RT: 2.254 min Scan# 674
Delta R.T. -0.007 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion: 96 Resp: 17529

Ion	Ratio	Lower	Upper
96	100		
94	97.6	74.5	134.5
79	13.3	13.7	13.7#
81	21.9	0.0	36.3

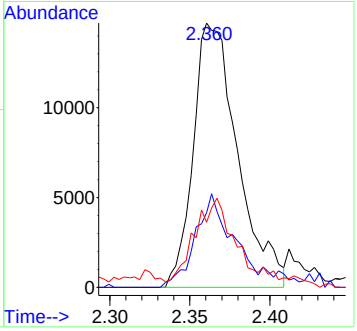


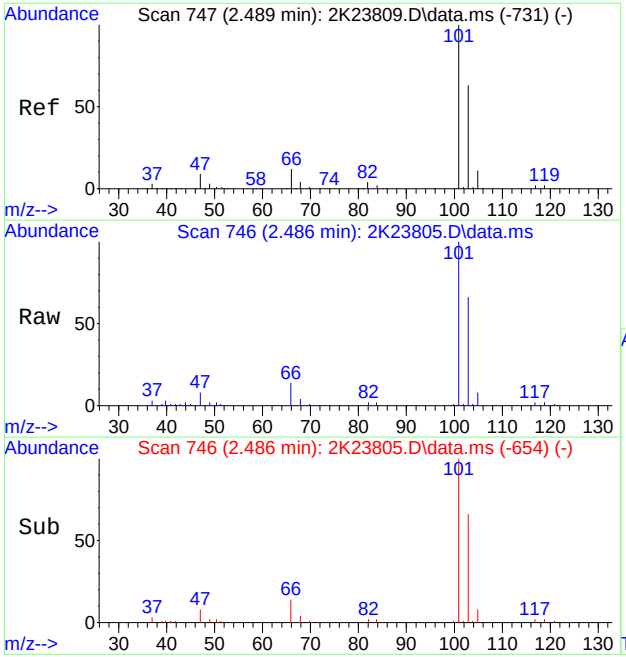


#12
chloroethane
Concen: 8.27 ug/L
RT: 2.360 min Scan# 707
Delta R.T. -0.000 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion: 64 Resp: 28428

Ion	Ratio	Lower	Upper
64	100		
66	28.2	0.0	59.3
49	21.1	0.0	54.3

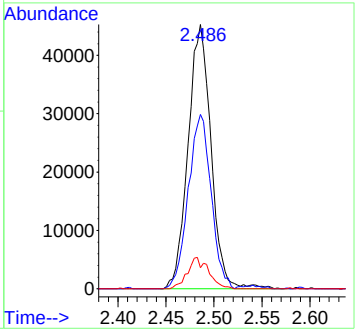


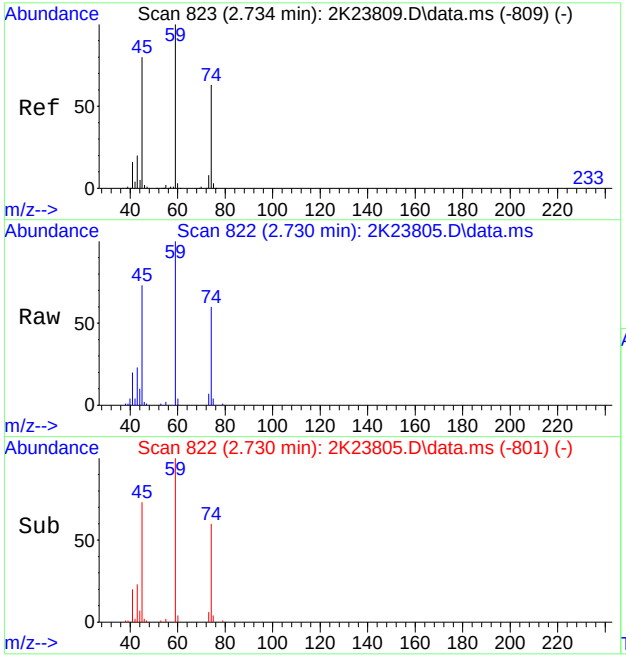


#13
trichlorofluoromethane
Concen: 8.14 ug/L
RT: 2.486 min Scan# 746
Delta R.T. -0.003 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion:101 Resp: 75416

Ion	Ratio	Lower	Upper
101	100		
103	65.9	33.3	93.3
105	8.0	0.0	40.7

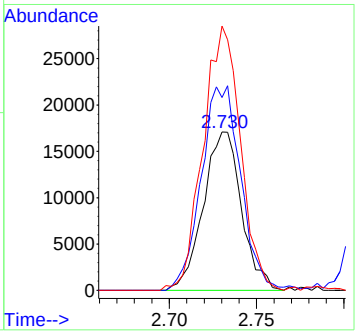


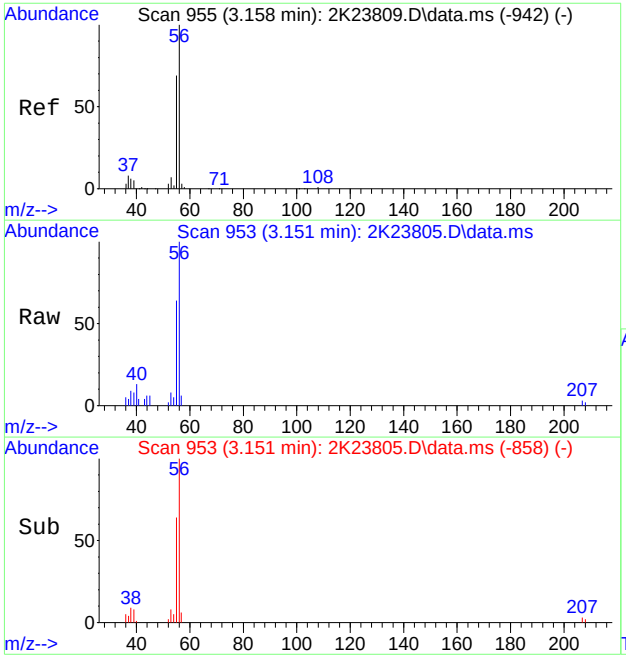


#14
ethyl ether
Concen: 7.80 ug/L
RT: 2.730 min Scan# 822
Delta R.T. -0.003 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion: 74 Resp: 26009

Ion	Ratio	Lower	Upper
74	100		
45	121.8	96.7	156.7
59	167.0	128.9	188.9

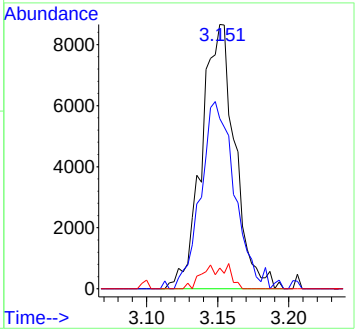


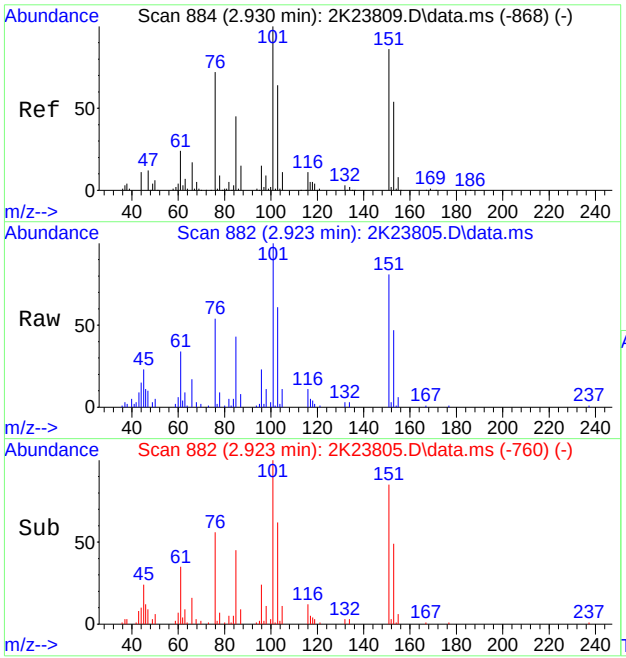


#15
acrolein
Concen: 8.07 ug/L
RT: 3.151 min Scan# 953
Delta R.T. -0.007 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion: 56 Resp: 14122

Ion	Ratio	Lower	Upper
56	100		
55	64.4	38.7	98.7
53	7.9	0.0	37.4

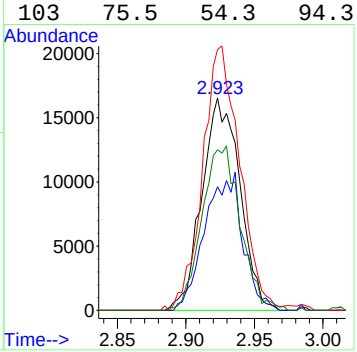


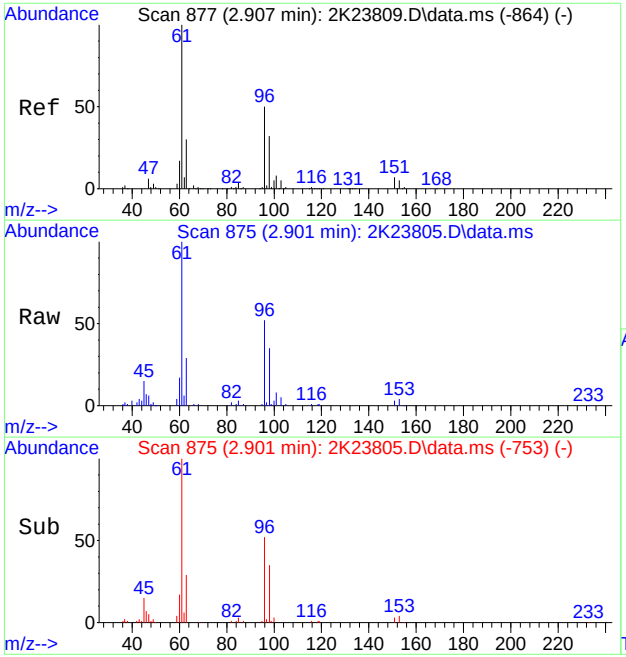


#16
freon 113
Concen: 7.59 ug/L
RT: 2.923 min Scan# 882
Delta R.T. -0.007 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion:151 Resp: 31815

Ion	Ratio	Lower	Upper
151	100		
153	58.2	43.0	83.0
101	122.8	95.9	135.9
103	75.5	54.3	94.3

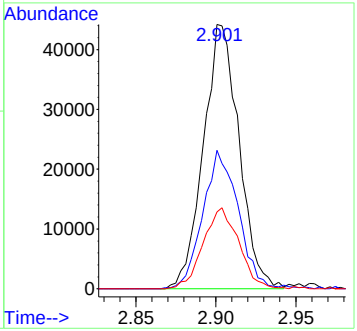


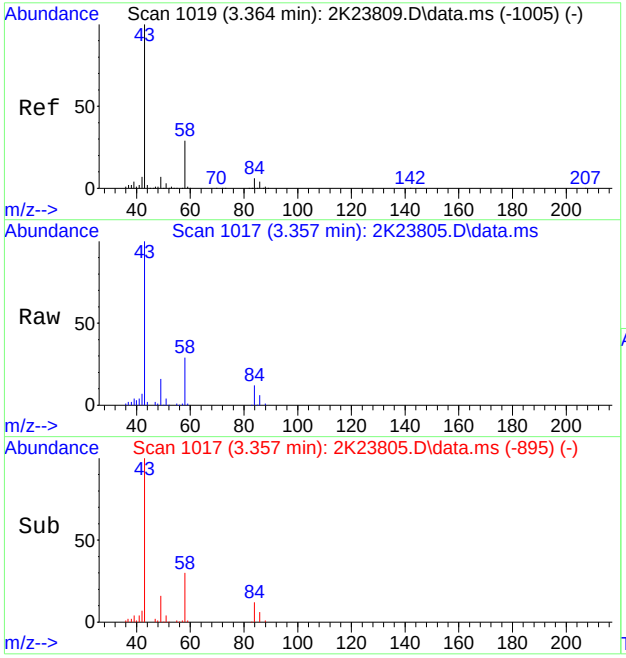


#17
1,1-dichloroethene
Concen: 7.84 ug/L
RT: 2.901 min Scan# 875
Delta R.T. -0.007 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion: 61 Resp: 68521

Ion	Ratio	Lower	Upper
61	100		
96	52.4	19.8	79.8
63	29.1	0.4	60.4

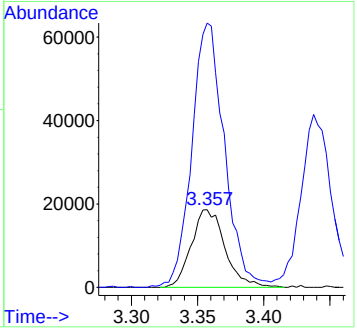


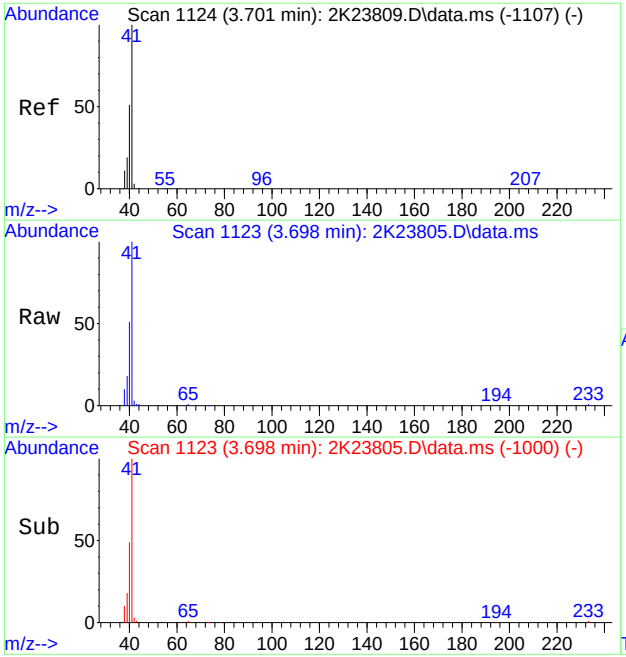


#18
acetone
Concen: 30.01 ug/L
RT: 3.357 min Scan# 1017
Delta R.T. -0.007 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion: 58 Resp: 33017

Ion	Ratio	Lower	Upper
58	100		
43	337.0	317.9	377.9

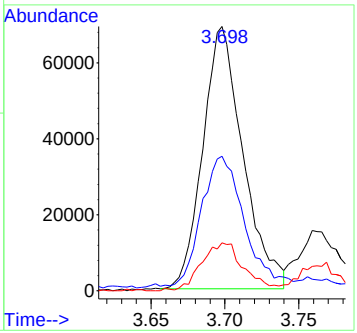


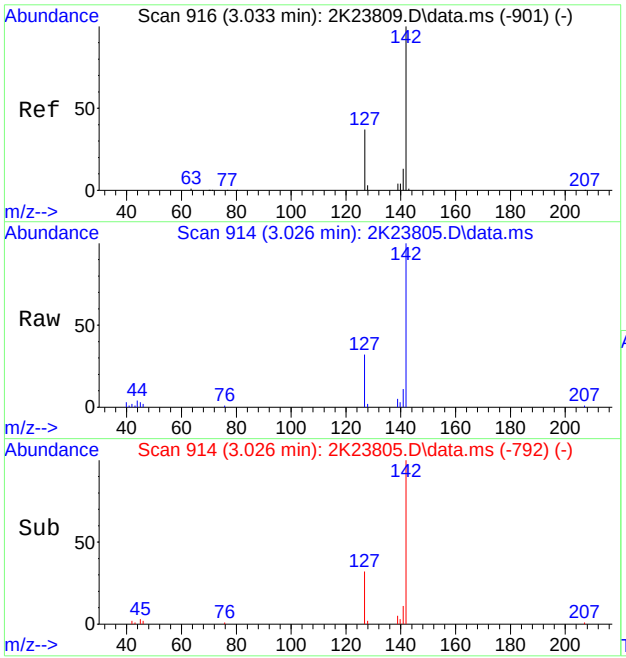


#19
acetonitrile
Concen: 80.02 ug/L
RT: 3.698 min Scan# 1123
Delta R.T. -0.003 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion: 41 Resp: 130875

Ion	Ratio	Lower	Upper
41	100		
40	49.5	20.7	80.7
39	18.3	0.0	48.9

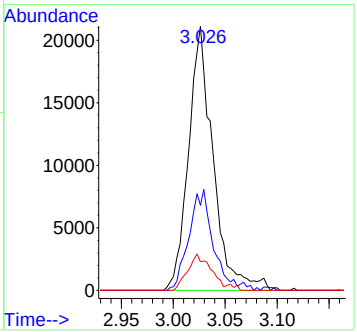


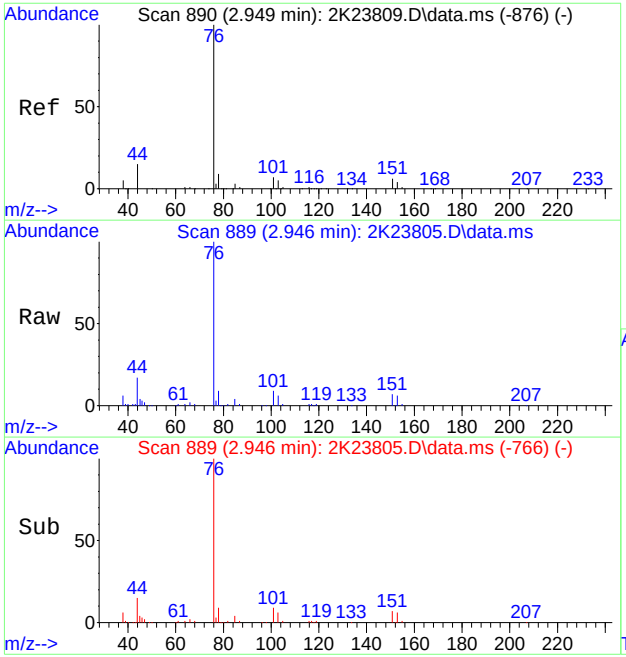


#20
iodomethane
Concen: 8.47 ug/L
RT: 3.026 min Scan# 914
Delta R.T. -0.007 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion:142 Resp: 34879

Ion	Ratio	Lower	Upper
142	100		
127	32.2	7.2	67.2
141	10.9	0.0	43.3

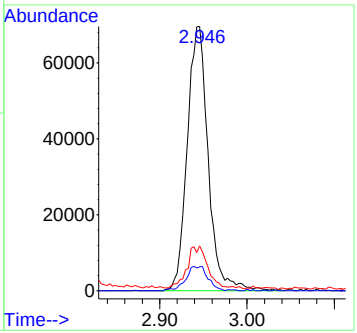


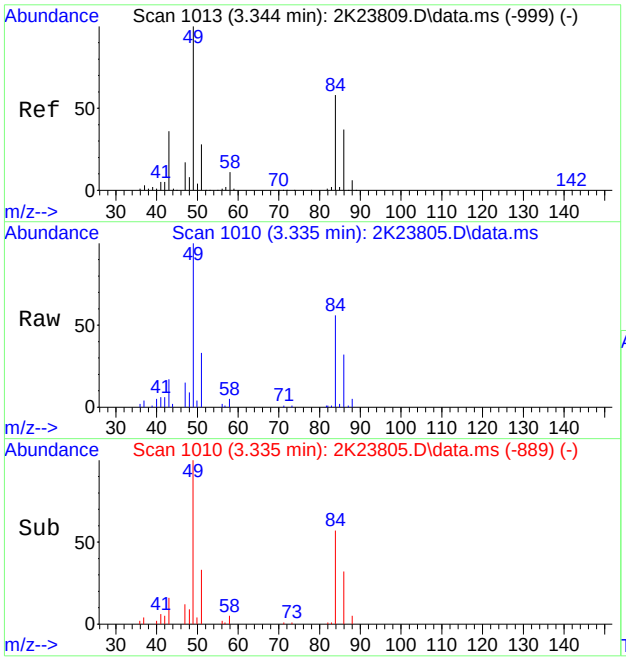


#21
carbon disulfide
Concen: 7.91 ug/L
RT: 2.946 min Scan# 889
Delta R.T. -0.003 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion: 76 Resp: 116590

Ion	Ratio	Lower	Upper
76	100		
78	9.0	0.0	39.4
44	15.9	0.0	44.9

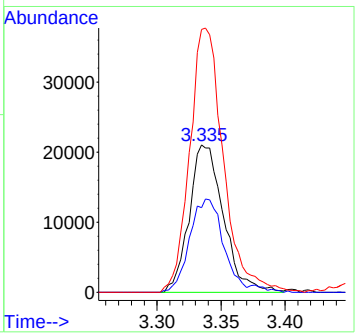


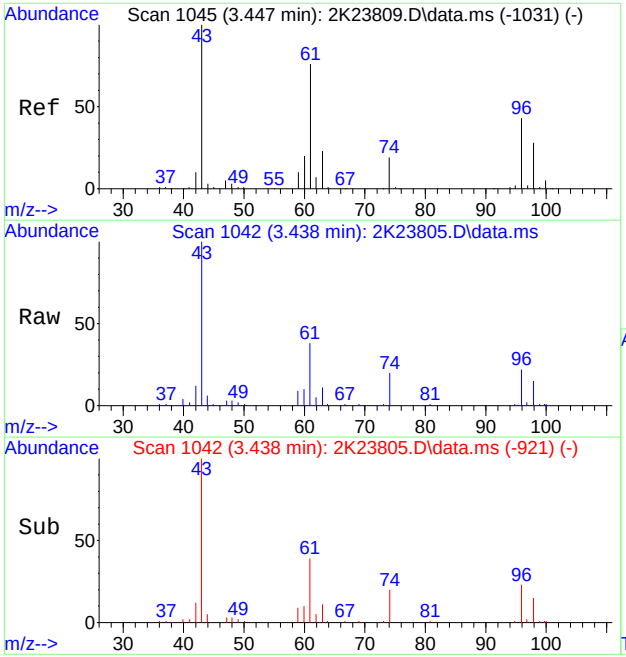


#22
methylene chloride
Concen: 7.61 ug/L
RT: 3.335 min Scan# 1010
Delta R.T. -0.010 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion: 84 Resp: 39174

Ion	Ratio	Lower	Upper
84	100		
86	57.5	33.4	93.4
49	178.2	141.9	201.9

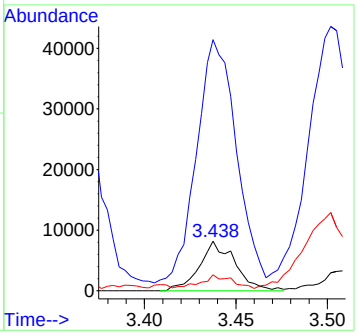


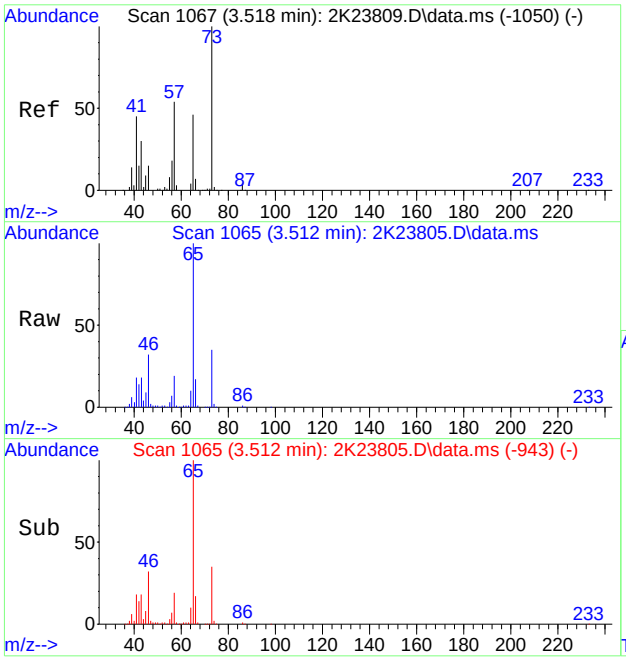


#23
methyl acetate
Concen: 7.58 ug/L
RT: 3.438 min Scan# 1042
Delta R.T. -0.010 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion: 74 Resp: 11158

Ion	Ratio	Lower	Upper
74	100		
43	483.4	492.7	552.7#
44	19.6	0.0	46.4

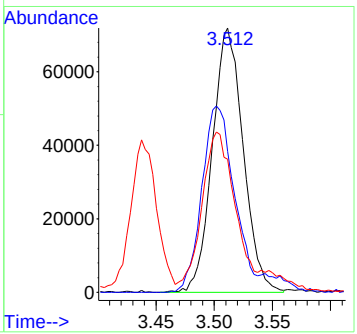


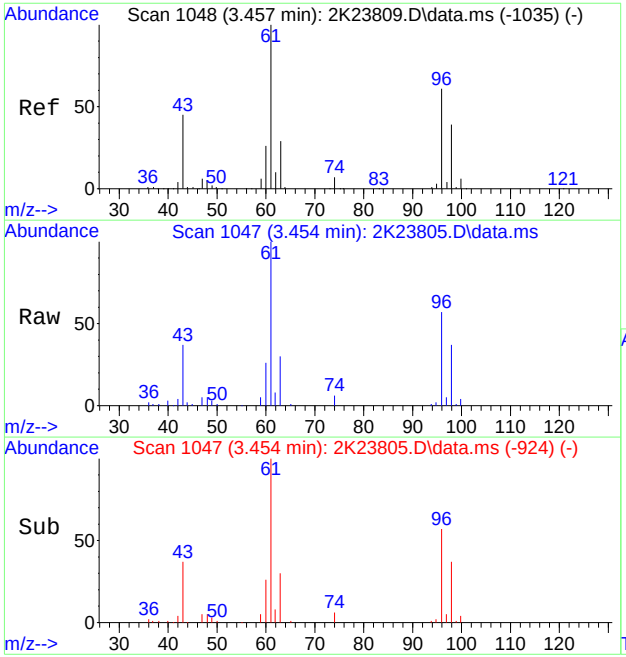


#24
methyl tert butyl ether
Concen: 7.38 ug/L
RT: 3.512 min Scan# 1065
Delta R.T. -0.007 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion: 73 Resp: 132657

Ion	Ratio	Lower	Upper
73	100		
57	53.3	23.8	83.8
43	45.1	11.7	71.7

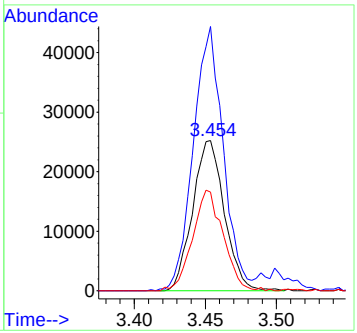


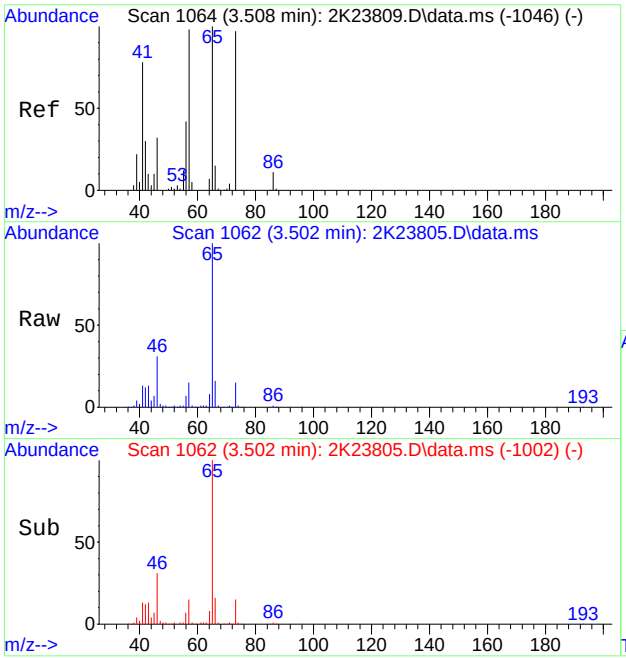


#25
trans-1,2-dichloroethene
Concen: 7.54 ug/L
RT: 3.454 min Scan# 1047
Delta R.T. -0.003 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion: 96 Resp: 39182

Ion	Ratio	Lower	Upper
96	100		
61	174.5	132.8	192.8
98	65.6	34.2	94.2

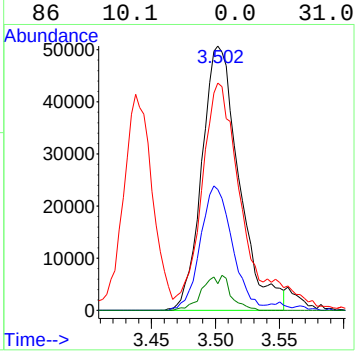


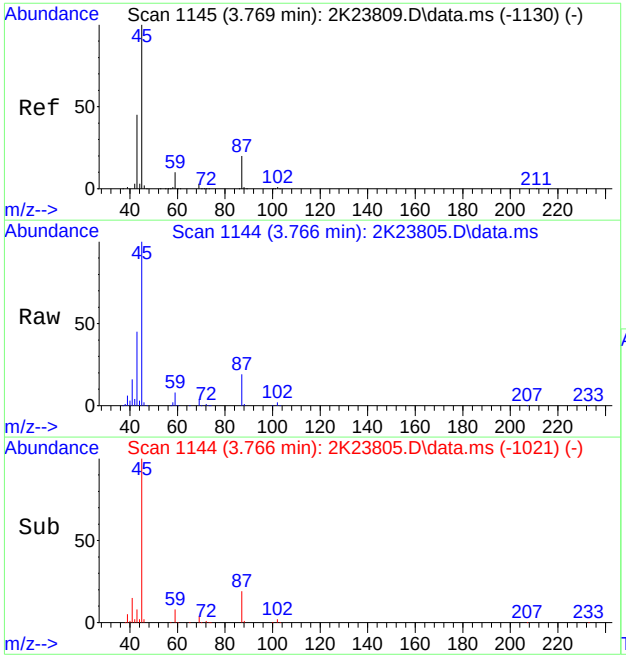


#26
hexane
Concen: 7.34 ug/L
RT: 3.502 min Scan# 1062
Delta R.T. -0.007 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion: 57 Resp: 102882

Ion	Ratio	Lower	Upper
57	100		
56	45.7	22.5	62.5
43	77.4	45.1	85.1
86	10.1	0.0	31.0

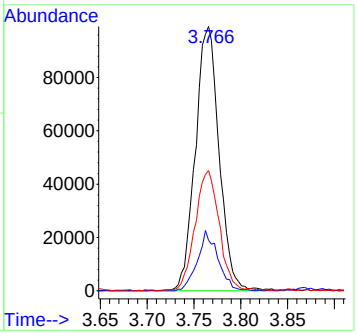


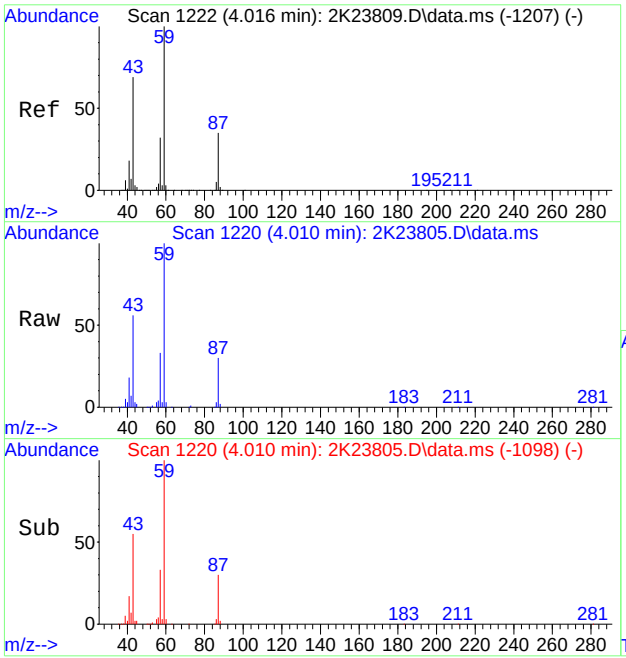


#27
di-isopropyl ether
Concen: 7.65 ug/L
RT: 3.766 min Scan# 1144
Delta R.T. -0.003 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion: 45 Resp: 175157

Ion	Ratio	Lower	Upper
45	100		
87	19.1	0.0	49.8
43	45.3	15.4	75.4

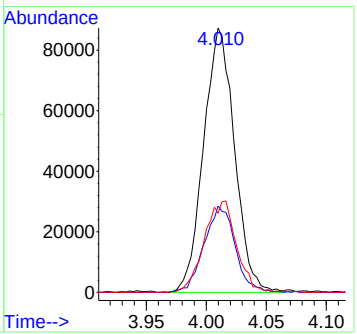


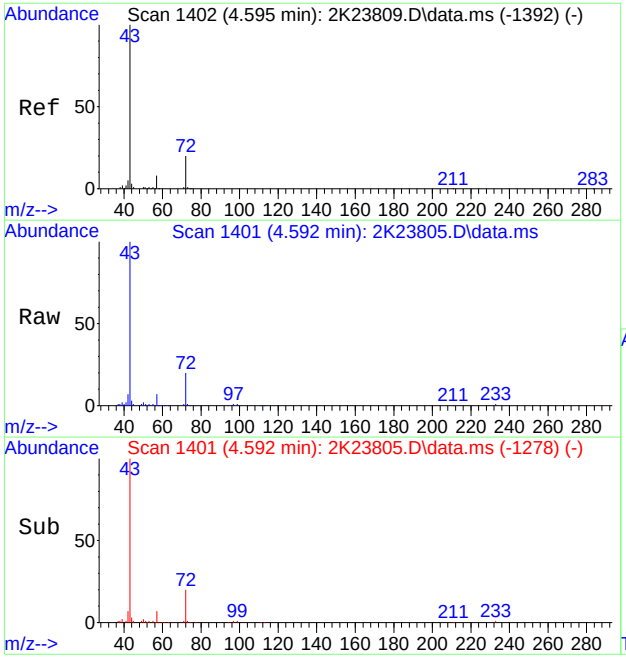


#28
ethyl tert-butyl ether
Concen: 7.73 ug/L
RT: 4.010 min Scan# 1220
Delta R.T. -0.007 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion: 59 Resp: 156707

Ion	Ratio	Lower	Upper
59	100		
57	32.6	1.6	61.6
87	29.9	5.2	65.2

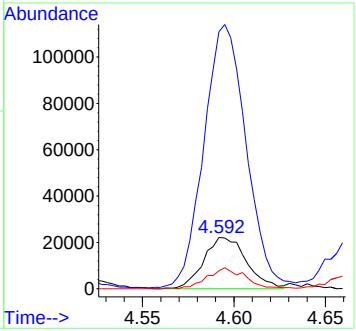


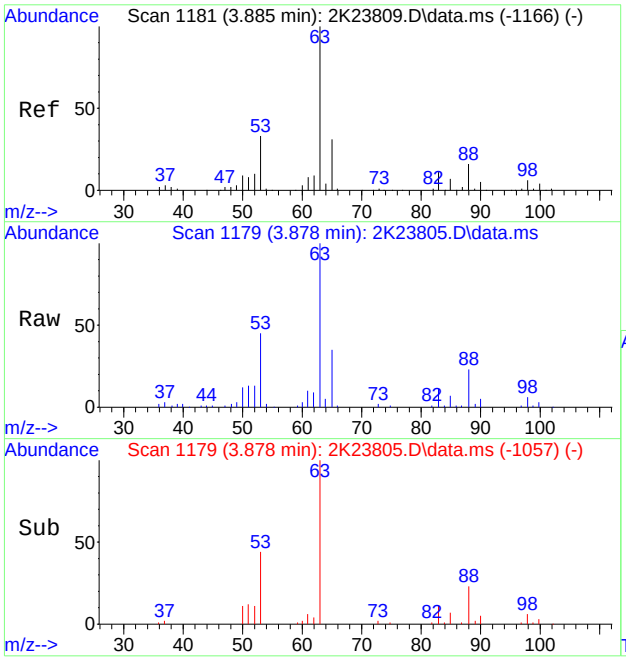


#29
2-butanone
Concen: 32.37 ug/L
RT: 4.592 min Scan# 1401
Delta R.T. -0.003 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion: 72 Resp: 36322

Ion	Ratio	Lower	Upper
72	100		
43	497.6	461.8	521.8
57	34.8	7.0	67.0

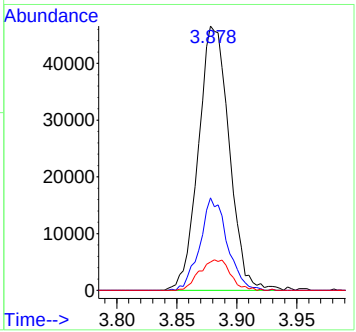


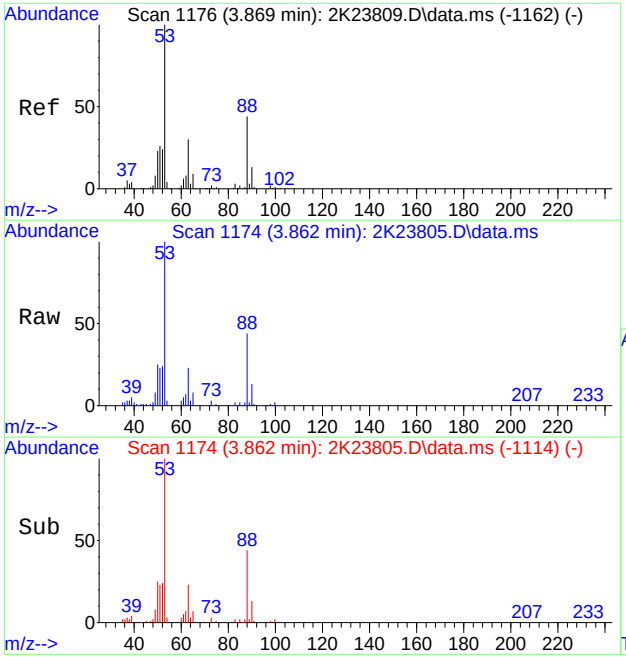


#30
1,1-dichloroethane
Concen: 7.83 ug/L
RT: 3.878 min Scan# 1179
Delta R.T. -0.007 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion: 63 Resp: 82994

Ion	Ratio	Lower	Upper
63	100		
65	35.0	0.5	60.5
83	10.7	0.0	41.0

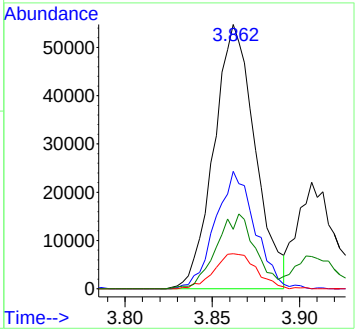


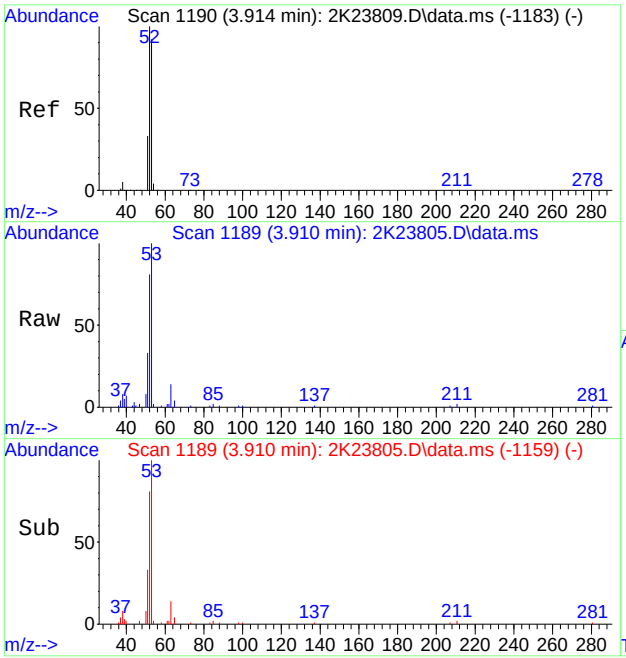


#31
chloroprene
Concen: 7.92 ug/L
RT: 3.862 min Scan# 1174
Delta R.T. -0.007 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion: 53 Resp: 89990

Ion	Ratio	Lower	Upper
53	100		
88	44.5	14.2	74.2
90	13.2	0.0	42.9
51	22.5	0.0	55.9

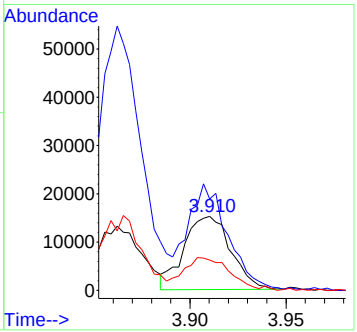


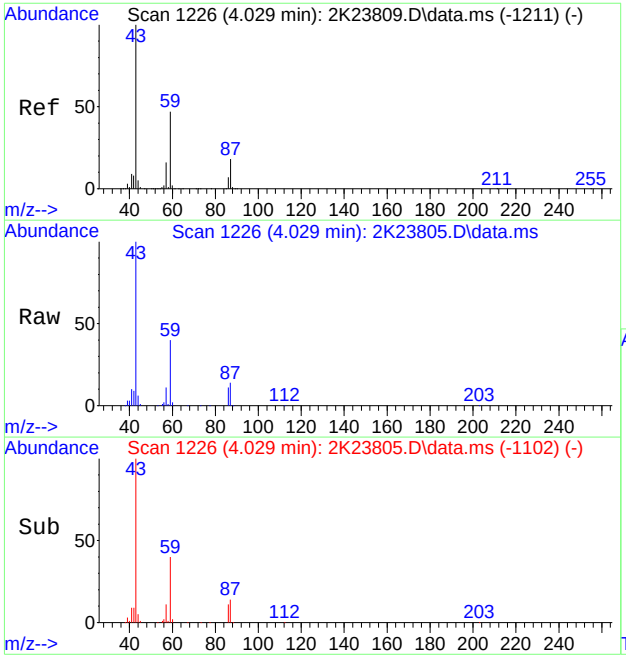


#32
acrylonitrile
Concen: 7.72 ug/L
RT: 3.910 min Scan# 1189
Delta R.T. -0.003 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion: 52 Resp: 25896

Ion	Ratio	Lower	Upper
52	100		
53	123.6	92.5	152.5
51	38.7	9.1	69.1

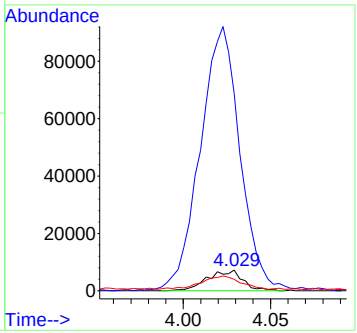


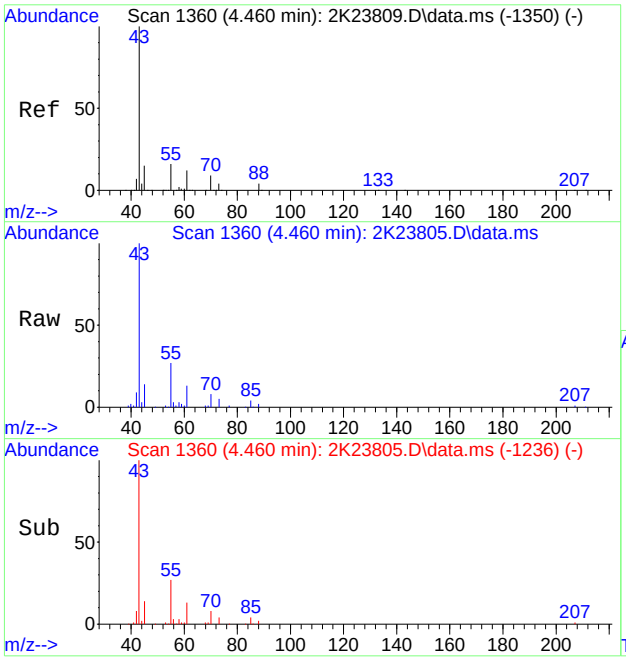


#33
vinyl acetate
Concen: 7.20 ug/L
RT: 4.029 min Scan# 1226
Delta R.T. -0.000 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion: 86 Resp: 10176

Ion	Ratio	Lower	Upper
86	100		
43	924.9	1321.8	1381.8#
44	49.3	32.5	92.5

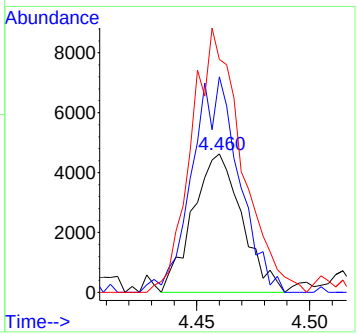


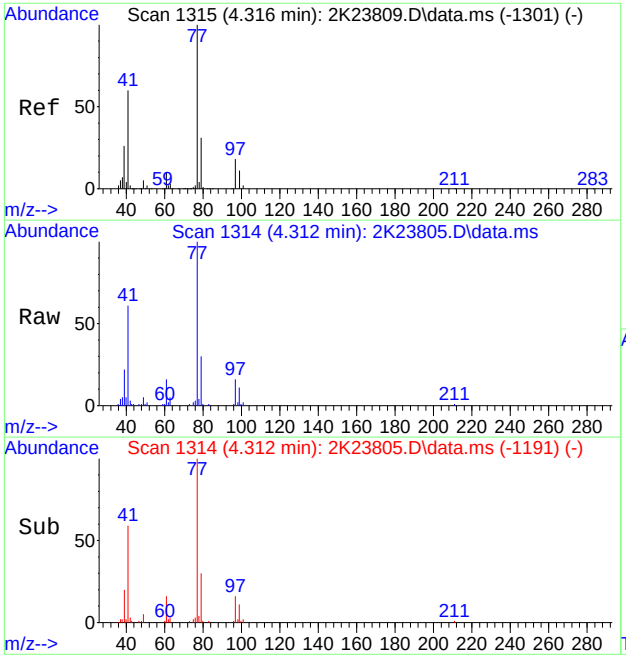


#34
ethyl acetate
Concen: 7.03 ug/L
RT: 4.460 min Scan# 1360
Delta R.T. -0.000 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion: 70 Resp: 6972

Ion	Ratio	Lower	Upper
70	100		
61	155.7	105.6	165.6
45	160.3	135.3	195.3

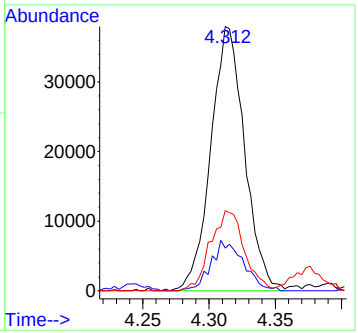


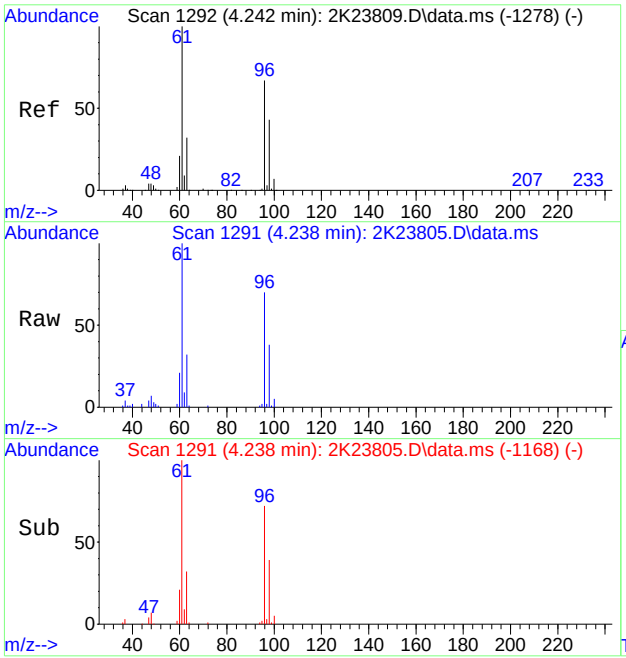


#35
2,2-dichloropropane
Concen: 7.87 ug/L
RT: 4.312 min Scan# 1314
Delta R.T. -0.003 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion: 77 Resp: 67386

Ion	Ratio	Lower	Upper
77	100		
97	16.2	0.0	47.7
79	30.3	0.6	60.6

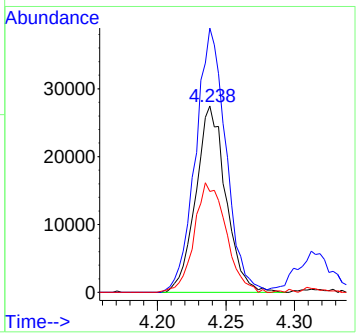


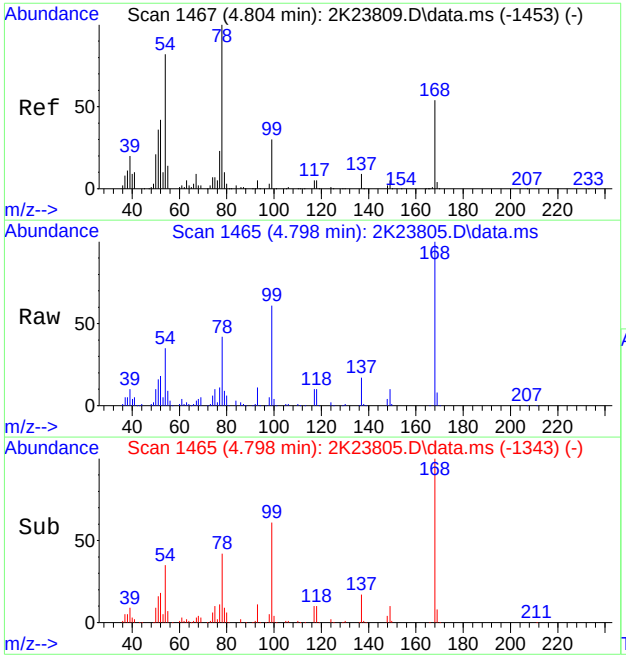


#36
cis-1,2-dichloroethene
Concen: 7.59 ug/L
RT: 4.238 min Scan# 1291
Delta R.T. -0.003 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion: 96 Resp: 41870

Ion	Ratio	Lower	Upper
96	100		
61	141.9	118.2	178.2
98	54.1	34.3	94.3

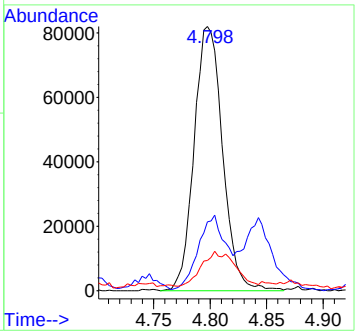


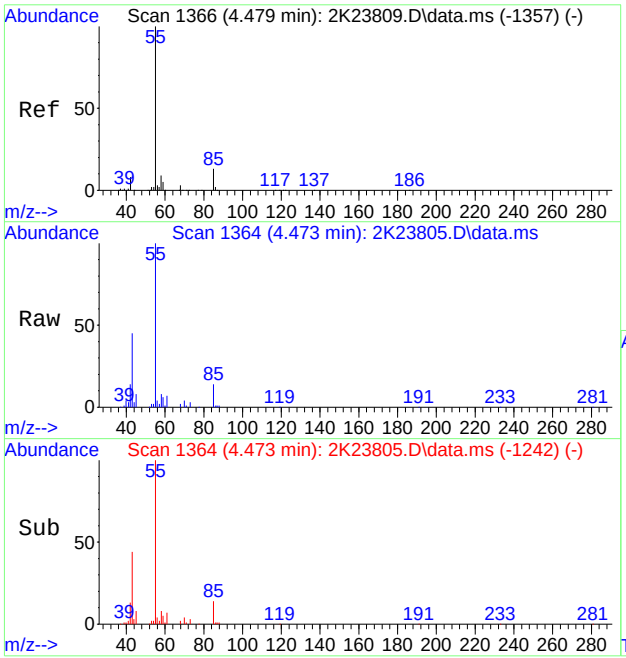


#37
propionitrile
Concen: 79.48 ug/L
RT: 4.798 min Scan# 1465
Delta R.T. -0.007 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion: 54 Resp: 143811

Ion	Ratio	Lower	Upper
54	100		
55	23.4	0.0	48.6
40	9.6	0.0	41.7

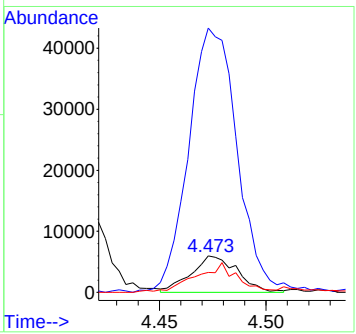


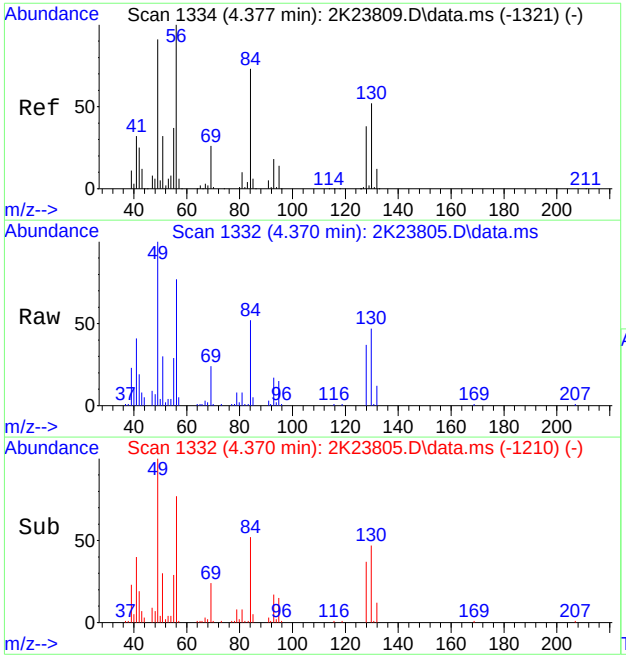


#38
methyl acrylate
Concen: 7.06 ug/L
RT: 4.473 min Scan# 1364
Delta R.T. -0.007 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion: 85 Resp: 9033

Ion	Ratio	Lower	Upper
85	100		
55	732.0	726.6	766.6
58	49.7	49.4	89.4

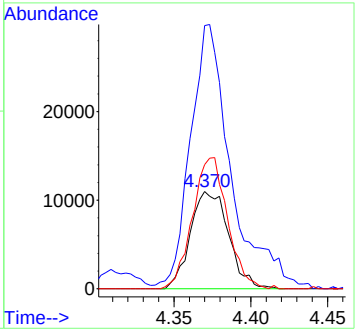


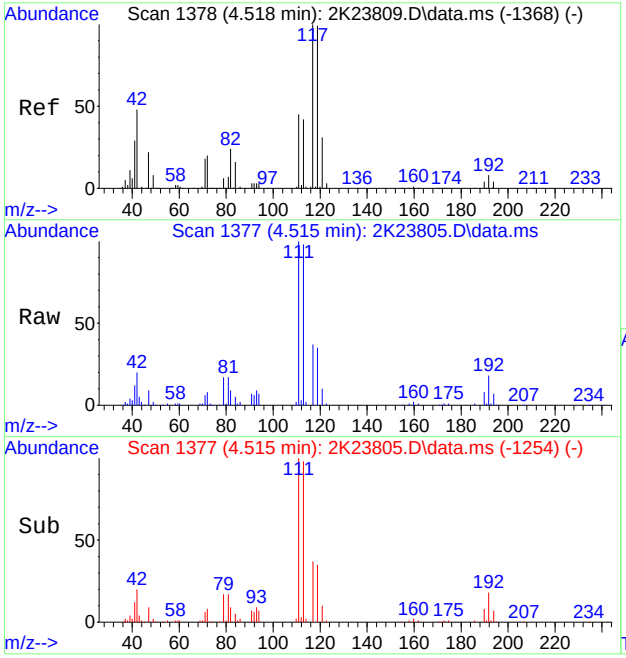


#39
bromochloromethane
Concen: 8.02 ug/L
RT: 4.370 min Scan# 1332
Delta R.T. -0.007 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion:128 Resp: 19052

Ion	Ratio	Lower	Upper
128	100		
49	263.7	213.9	273.9
130	127.7	107.4	167.4

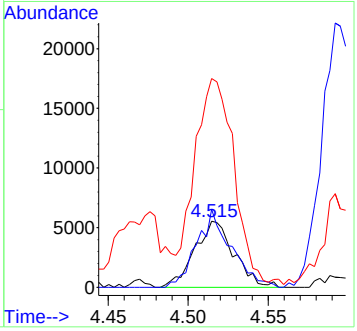


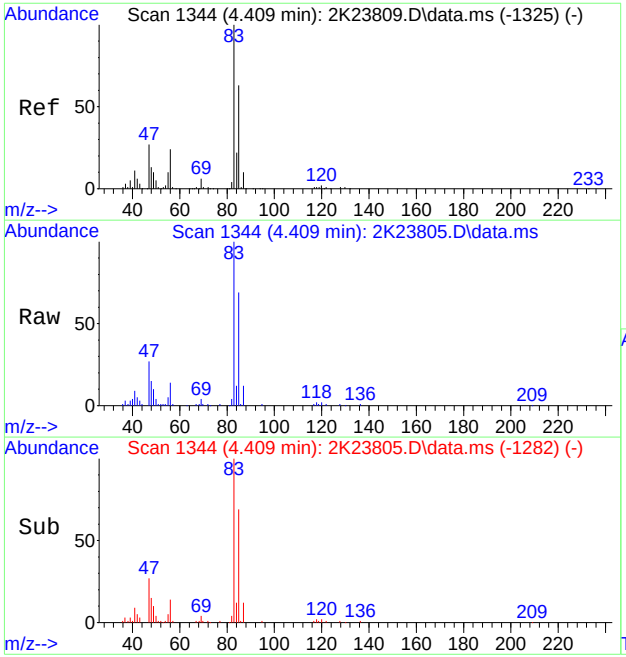


#40
tetrahydrofuran
Concen: 7.94 ug/L
RT: 4.515 min Scan# 1377
Delta R.T. -0.003 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion: 71 Resp: 9513

Ion	Ratio	Lower	Upper
71	100		
72	117.7	75.2	135.2
42	310.9	288.0	348.0

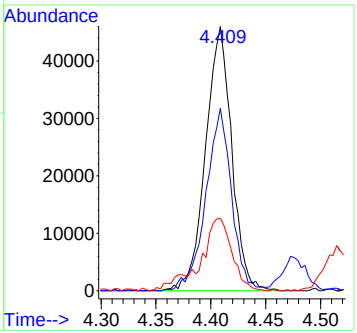


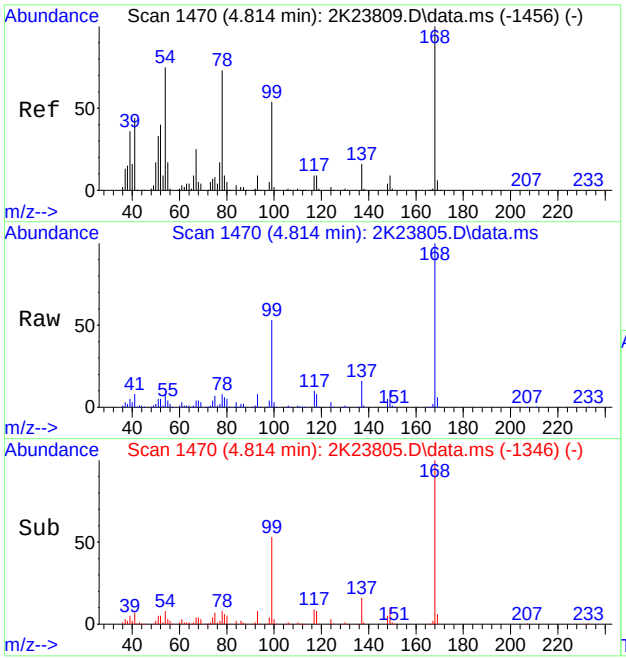


#41
chloroform
Concen: 7.35 ug/L
RT: 4.409 min Scan# 1344
Delta R.T. -0.000 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion: 83 Resp: 76411

Ion	Ratio	Lower	Upper
83	100		
85	69.1	33.0	93.0
47	27.5	0.0	56.9

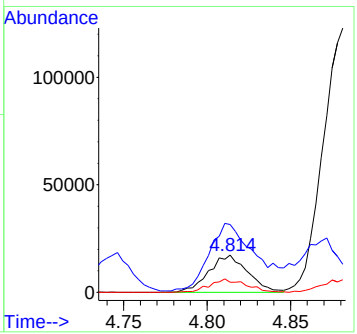


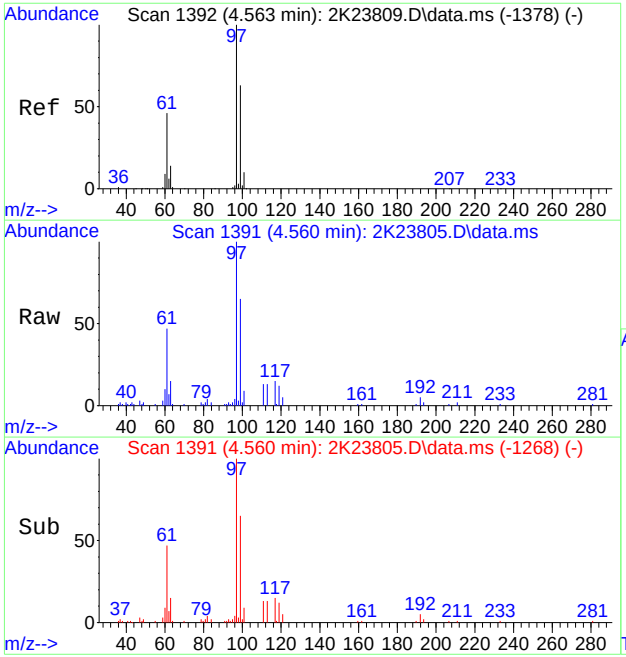


#43
methacrylonitrile
Concen: 7.48 ug/L
RT: 4.814 min Scan# 1470
Delta R.T. -0.000 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion: 67 Resp: 28167

Ion	Ratio	Lower	Upper
67	100		
41	178.5	145.5	205.5
66	27.3	4.7	64.7

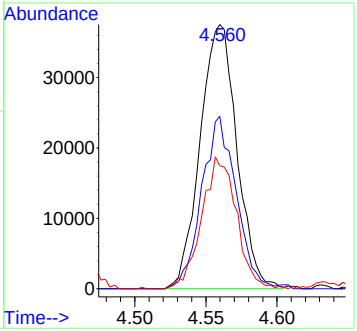


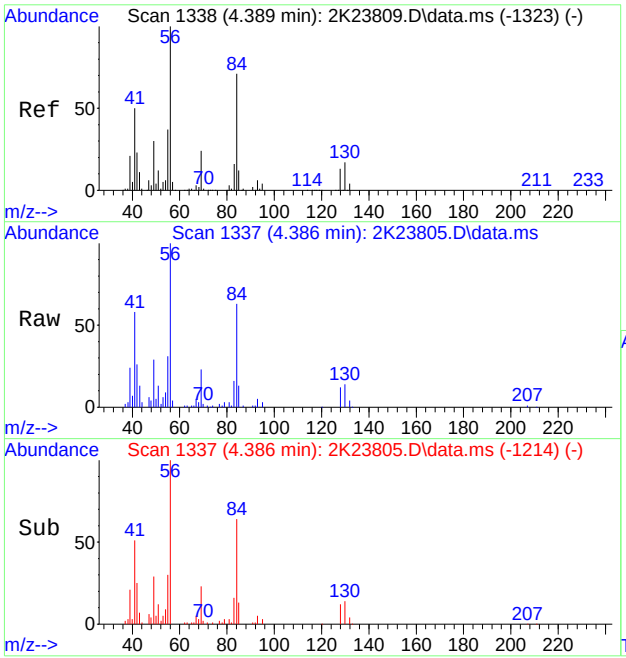


#44
1,1,1-trichloroethane
Concen: 7.85 ug/L
RT: 4.560 min Scan# 1391
Delta R.T. -0.003 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion: 97 Resp: 67604

Ion	Ratio	Lower	Upper
97	100		
99	65.3	32.8	92.8
61	46.5	16.5	76.5

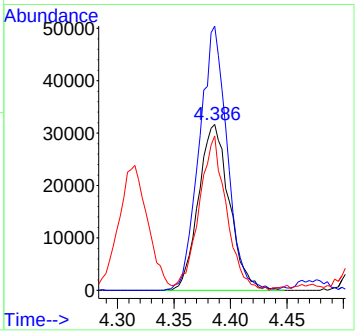


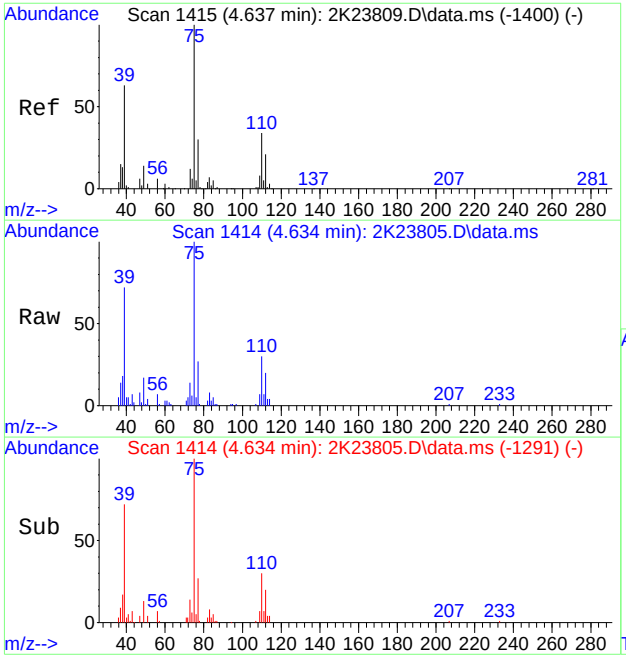


#45
cyclohexane
Concen: 7.99 ug/L
RT: 4.386 min Scan# 1337
Delta R.T. -0.003 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion: 84 Resp: 59912

Ion	Ratio	Lower	Upper
84	100		
56	159.4	120.0	160.0
41	90.9	58.4	98.4

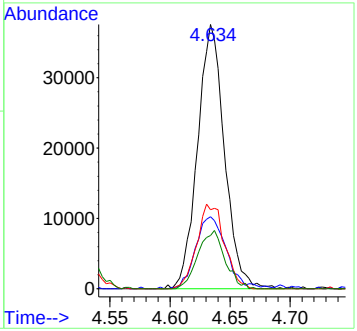


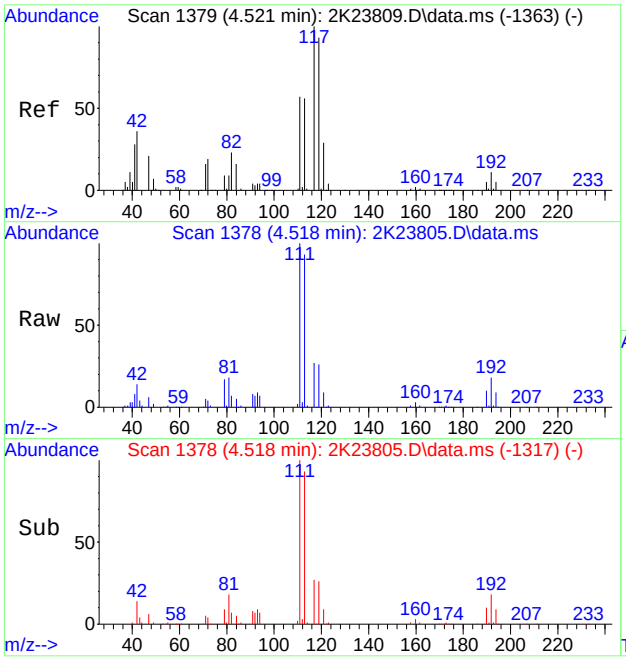


#46
1,1-dichloropropene
Concen: 8.06 ug/L
RT: 4.634 min Scan# 1414
Delta R.T. -0.003 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion: 75 Resp: 58718

Ion	Ratio	Lower	Upper
75	100		
77	26.6	10.5	50.5
110	29.9	14.4	54.4
112	20.2	0.7	40.7

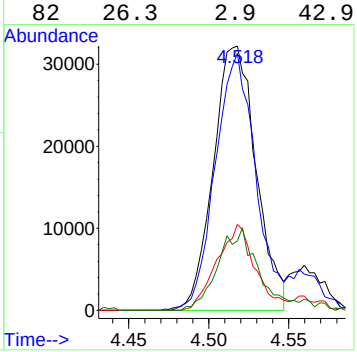


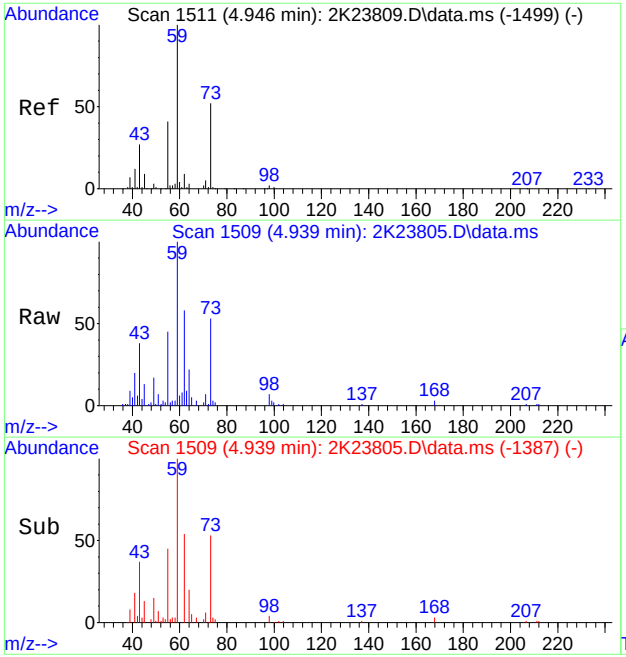


#47
carbon tetrachloride
Concen: 7.54 ug/L
RT: 4.518 min Scan# 1378
Delta R.T. -0.003 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion:117 Resp: 60106

Ion	Ratio	Lower	Upper
117	100		
119	97.2	72.9	112.9
121	32.6	9.2	49.2
82	26.3	2.9	42.9

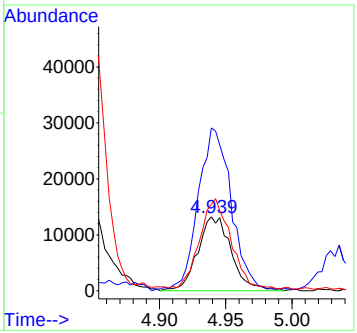


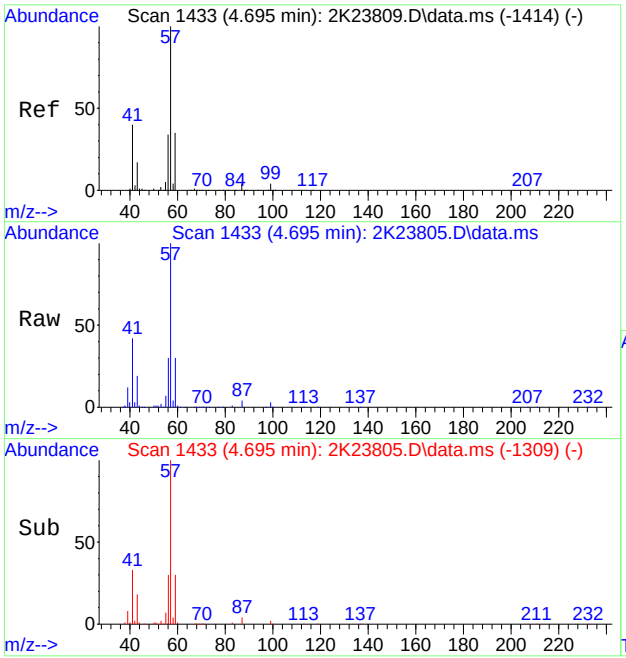


#49
tert-amyl alcohol
Concen: 39.67 ug/L
RT: 4.939 min Scan# 1509
Delta R.T. -0.007 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion: 55 Resp: 23359

Ion	Ratio	Lower	Upper
55	100		
59	217.4	218.4	258.4#
73	112.3	106.6	146.6

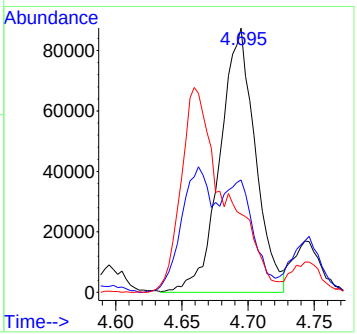


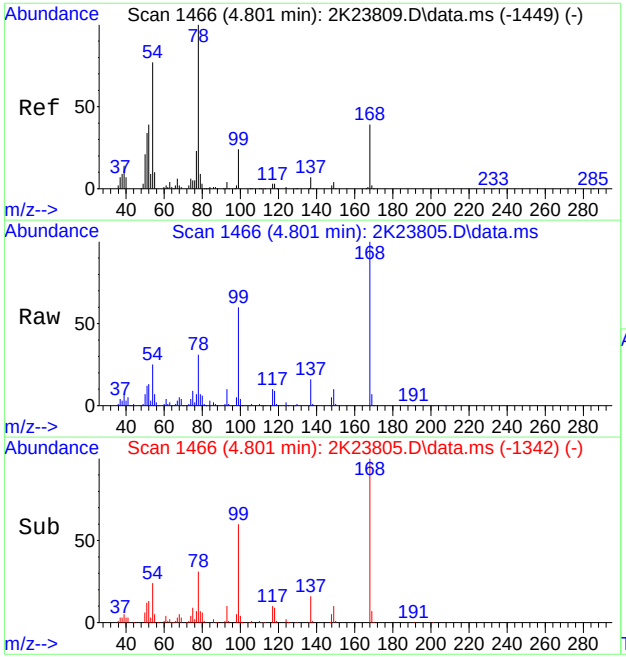


#52
iso-octane
Concen: 7.79 ug/L
RT: 4.695 min Scan# 1433
Delta R.T. -0.000 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion: 57 Resp: 162287

Ion	Ratio	Lower	Upper
57	100		
41	40.5	19.7	59.7
56	26.8	14.3	54.3

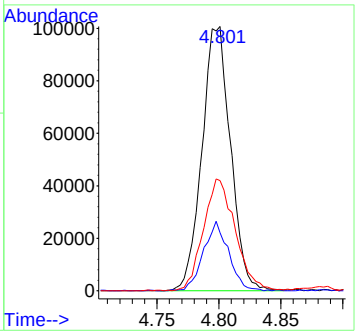


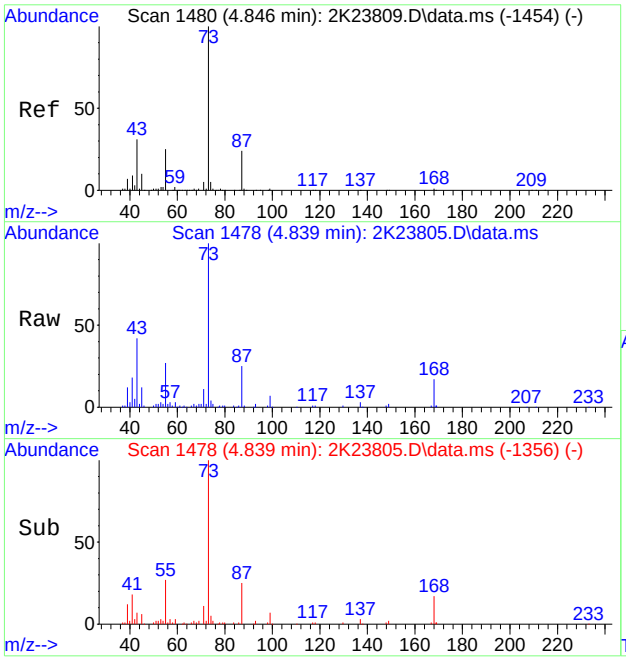


#53
benzene
Concen: 7.76 ug/L
RT: 4.801 min Scan# 1466
Delta R.T. -0.000 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion: 78 Resp: 161844

Ion	Ratio	Lower	Upper
78	100		
77	21.9	0.0	53.5
52	41.4	8.9	68.9

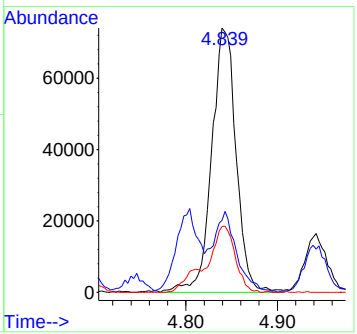


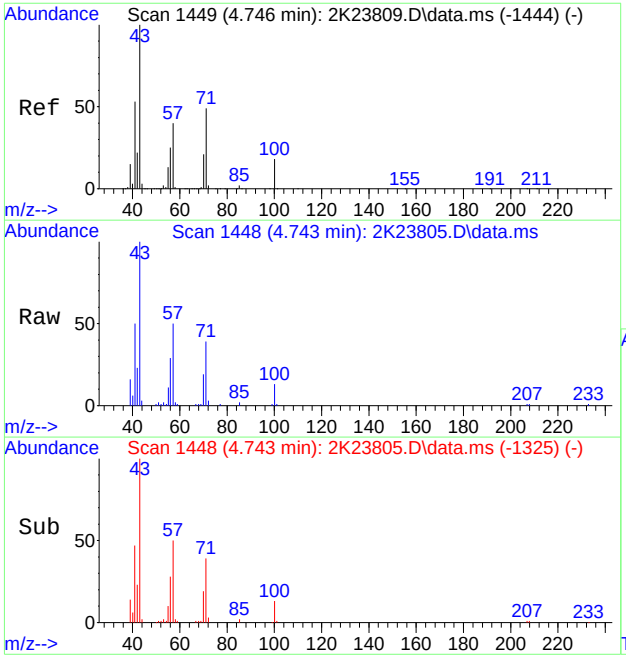


#54
tert-amyl methyl ether
Concen: 7.76 ug/L
RT: 4.839 min Scan# 1478
Delta R.T. -0.007 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion: 73 Resp: 138251

Ion	Ratio	Lower	Upper
73	100		
55	26.7	6.1	46.1
87	24.9	4.3	44.3

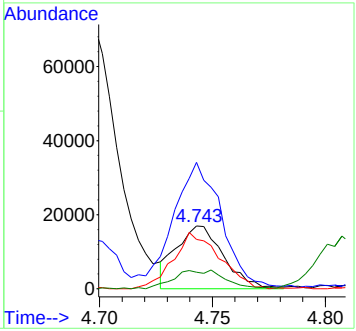


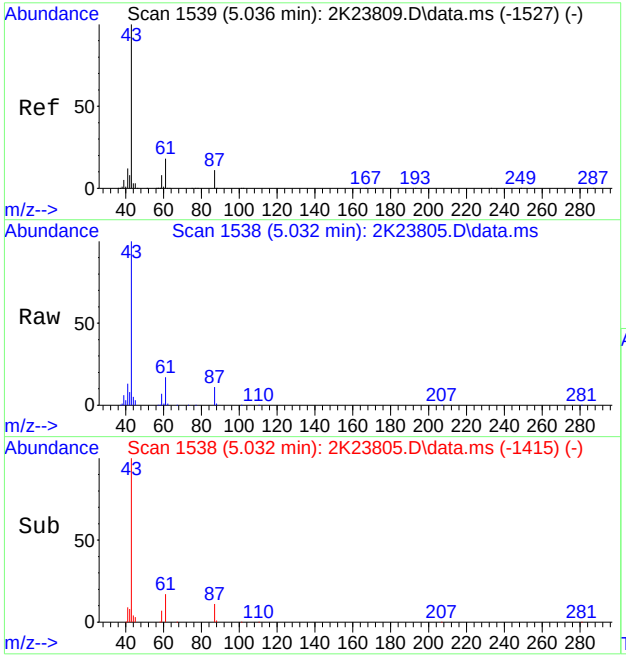


#55
heptane
Concen: 8.26 ug/L
RT: 4.743 min Scan# 1448
Delta R.T. -0.003 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion: 57 Resp: 24836

Ion	Ratio	Lower	Upper
57	100		
43	203.2	171.2	231.2
71	79.8	63.1	123.1
100	22.2	0.0	55.4

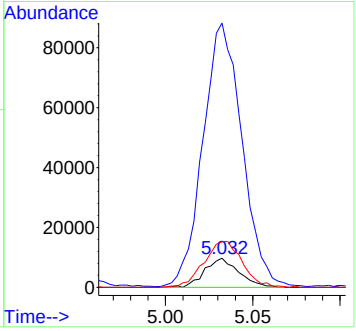


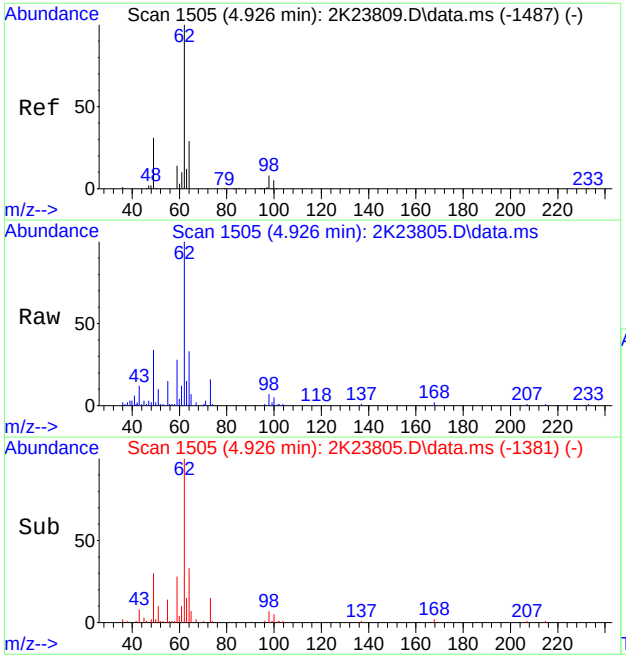


#56
isopropyl acetate
Concen: 8.00 ug/L
RT: 5.032 min Scan# 1538
Delta R.T. -0.003 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion: 87 Resp: 13281

Ion	Ratio	Lower	Upper
87	100		
43	905.5	917.6	977.6#
61	157.0	137.7	197.7

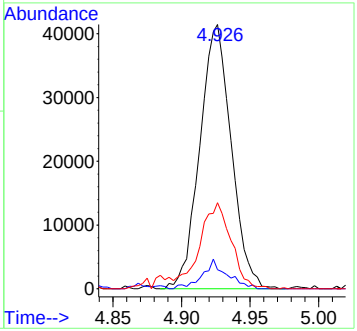


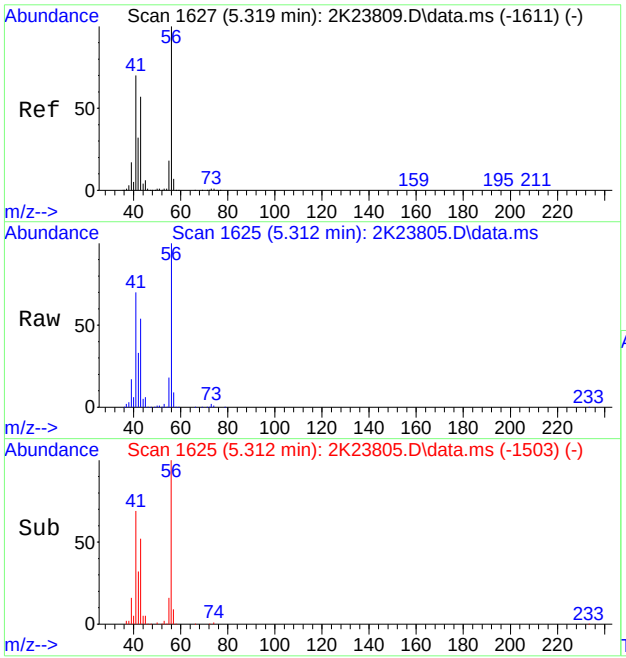


#57
1,2-dichloroethane
Concen: 7.62 ug/L
RT: 4.926 min Scan# 1505
Delta R.T. -0.000 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion: 62 Resp: 66144

Ion	Ratio	Lower	Upper
62	100		
98	7.3	0.0	38.3
64	32.1	0.0	59.6

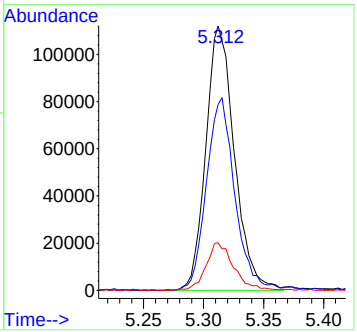


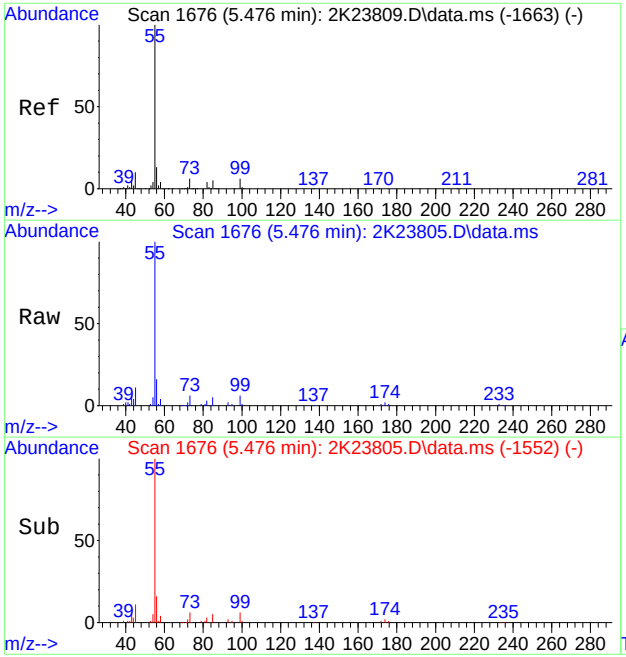


#58
n-butyl alcohol
Concen: 405.47 ug/L
RT: 5.312 min Scan# 1625
Delta R.T. -0.007 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion: 56 Resp: 185855

Ion	Ratio	Lower	Upper
56	100		
41	70.2	50.4	90.4
55	18.0	0.0	37.7

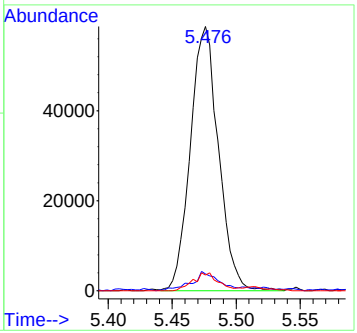


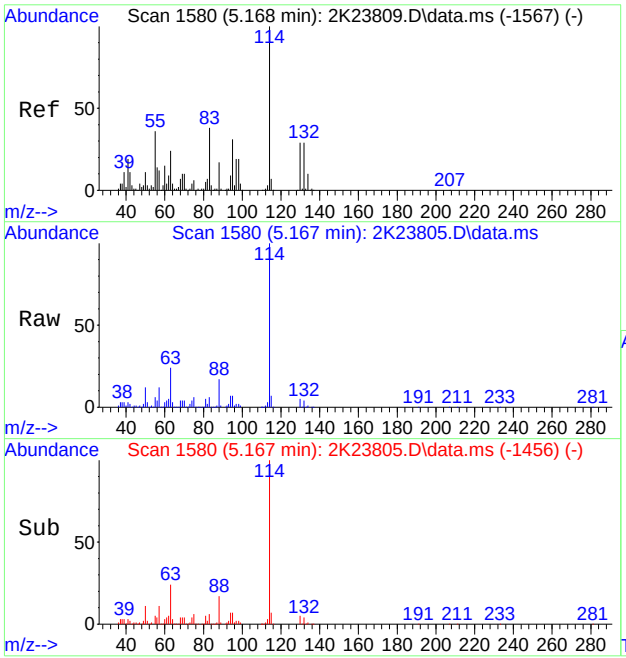


#59
ethyl acrylate
Concen: 8.01 ug/L
RT: 5.476 min Scan# 1676
Delta R.T. -0.000 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion: 55 Resp: 90034

Ion	Ratio	Lower	Upper
55	100		
73	6.1	0.0	36.2
99	5.9	0.0	36.0

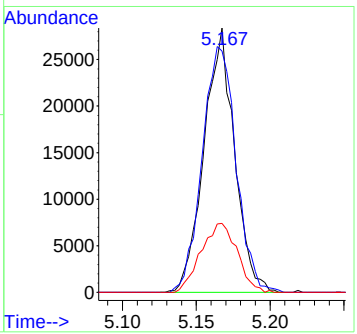


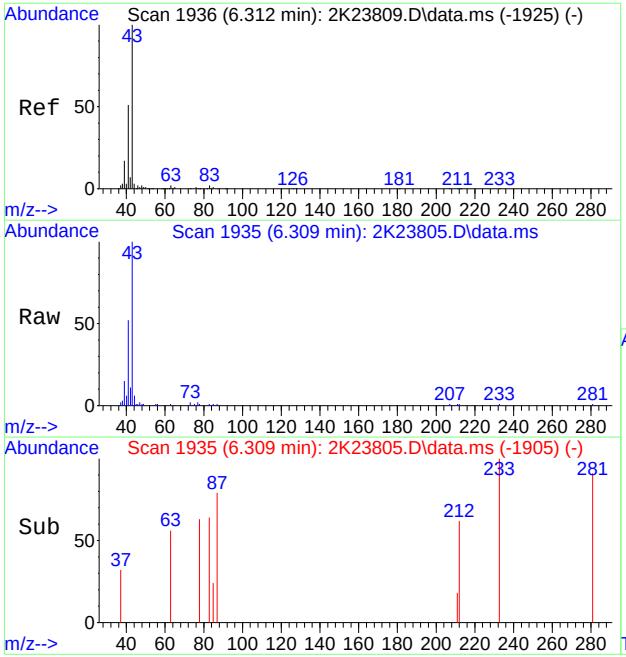


#60
trichloroethene
Concen: 8.16 ug/L
RT: 5.167 min Scan# 1580
Delta R.T. -0.000 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion:130 Resp: 40620

Ion	Ratio	Lower	Upper
130	100		
132	91.3	70.8	130.8
134	26.1	4.2	64.2

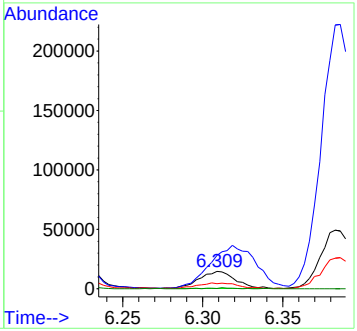


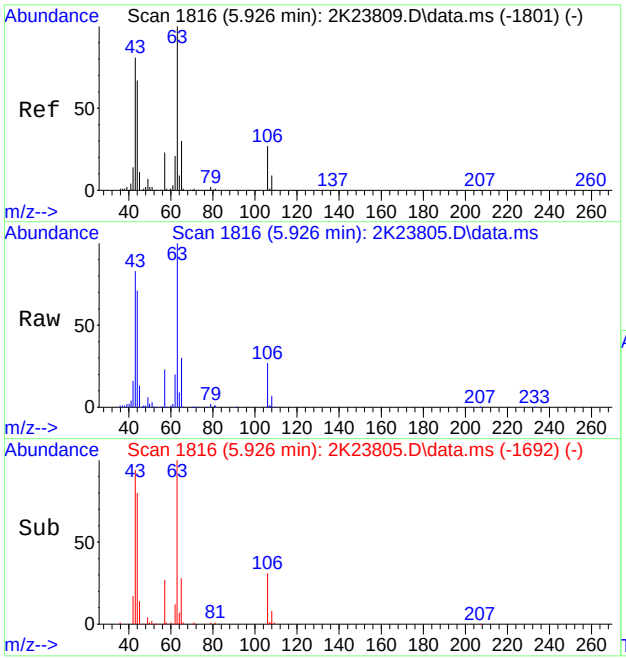


#61
2-nitropropane
Concen: 7.06 ug/L
RT: 6.309 min Scan# 1935
Delta R.T. -0.003 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion: 41 Resp: 22640

Ion	Ratio	Lower	Upper
41	100		
43	193.4	163.8	223.8
39	27.9	4.1	64.1
46	2.0	0.0	33.5

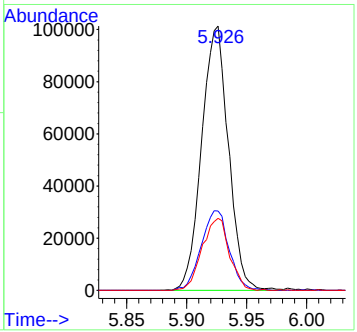


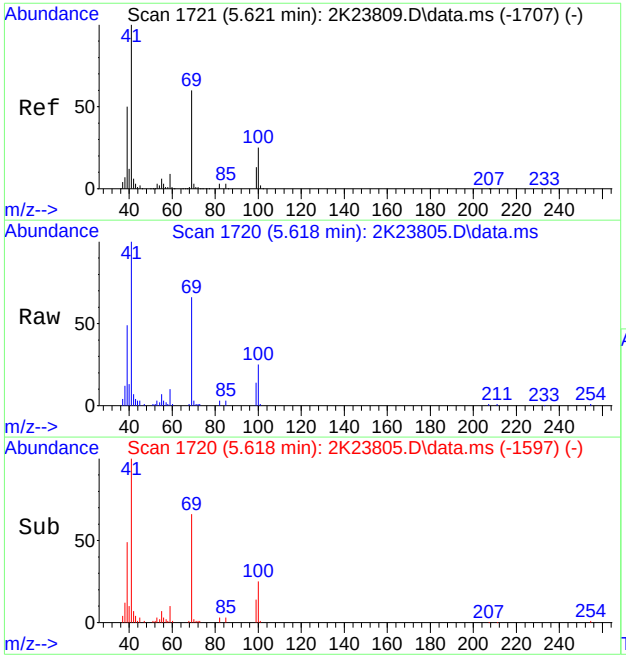


#62
2-chloroethyl vinyl ether
Concen: 43.57 ug/L
RT: 5.926 min Scan# 1816
Delta R.T. -0.000 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion: 63 Resp: 157603

Ion	Ratio	Lower	Upper
63	100		
65	30.0	0.3	60.3
106	27.3	0.0	57.1

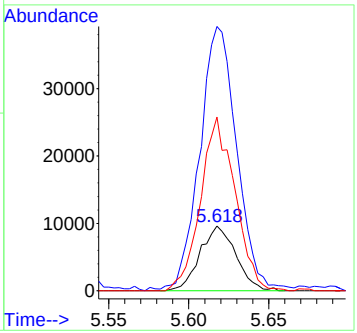


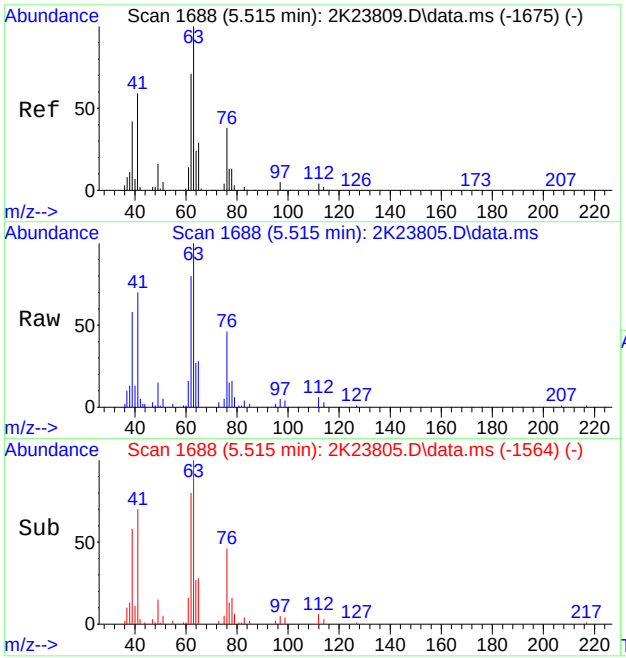


#63
methyl methacrylate
Concen: 7.66 ug/L
RT: 5.618 min Scan# 1720
Delta R.T. -0.003 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion:100 Resp: 14996

Ion	Ratio	Lower	Upper
100	100		
41	405.1	374.3	434.3
69	267.9	214.3	274.3

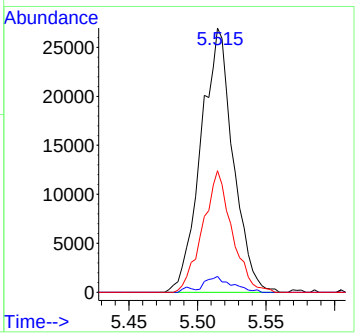


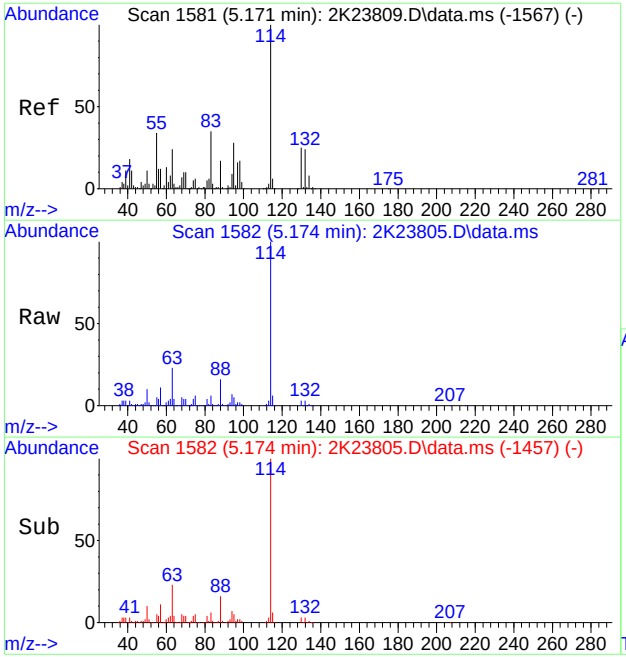


#64
1,2-dichloropropane
Concen: 7.53 ug/L
RT: 5.515 min Scan# 1688
Delta R.T. -0.000 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion: 63 Resp: 44096

Ion	Ratio	Lower	Upper
63	100		
112	6.0	0.0	33.7
76	46.0	7.9	67.9

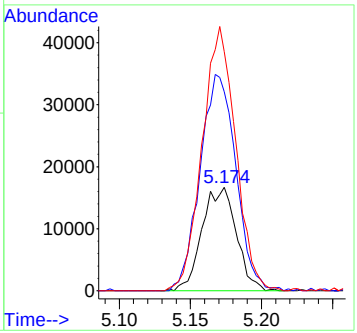


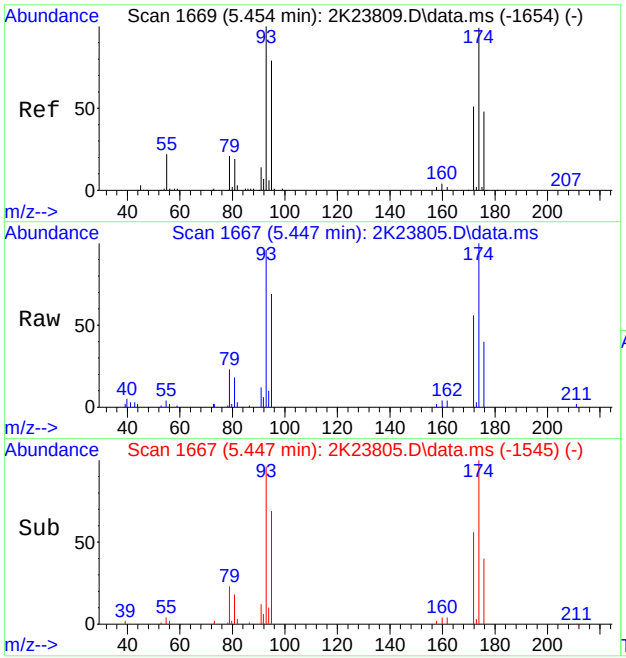


#65
methylcyclohexane
Concen: 7.57 ug/L
RT: 5.174 min Scan# 1582
Delta R.T. 0.003 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion: 98 Resp: 28003

Ion	Ratio	Lower	Upper
98	100		
55	192.3	173.8	233.8
83	231.0	181.7	241.7

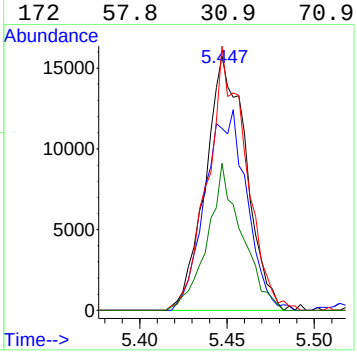


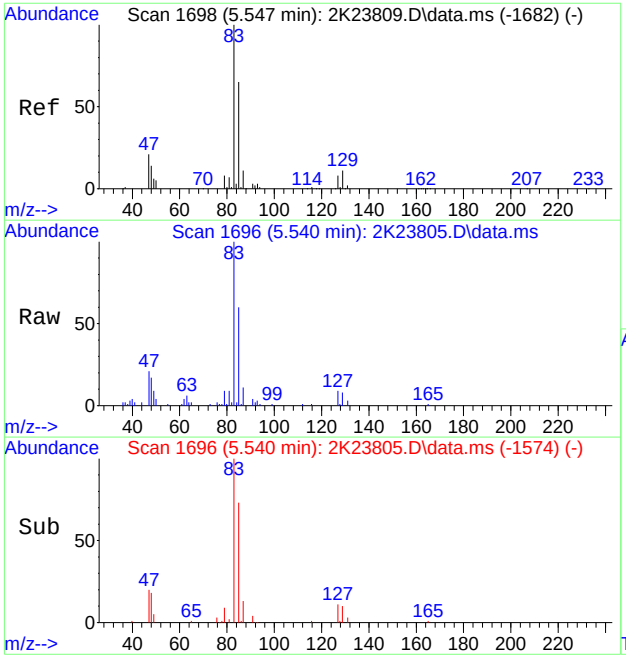


#66
dibromomethane
Concen: 7.82 ug/L
RT: 5.447 min Scan# 1667
Delta R.T. -0.007 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion: 93 Resp: 25500

Ion	Ratio	Lower	Upper
93	100		
95	71.6	49.5	109.5
174	103.9	68.7	128.7
172	57.8	30.9	70.9

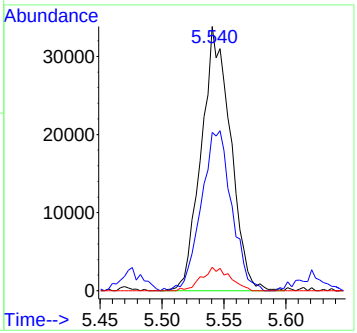


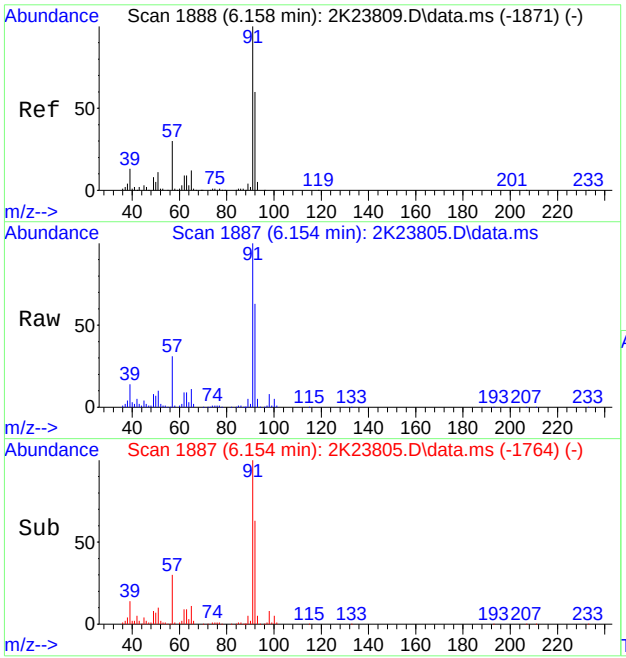


#67
bromodichloromethane
Concen: 8.02 ug/L
RT: 5.540 min Scan# 1696
Delta R.T. -0.007 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion: 83 Resp: 55545

Ion	Ratio	Lower	Upper
83	100		
85	59.9	36.5	96.5
127	8.9	0.0	37.8

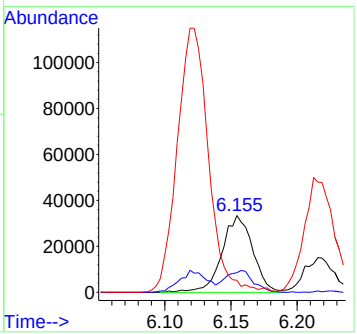


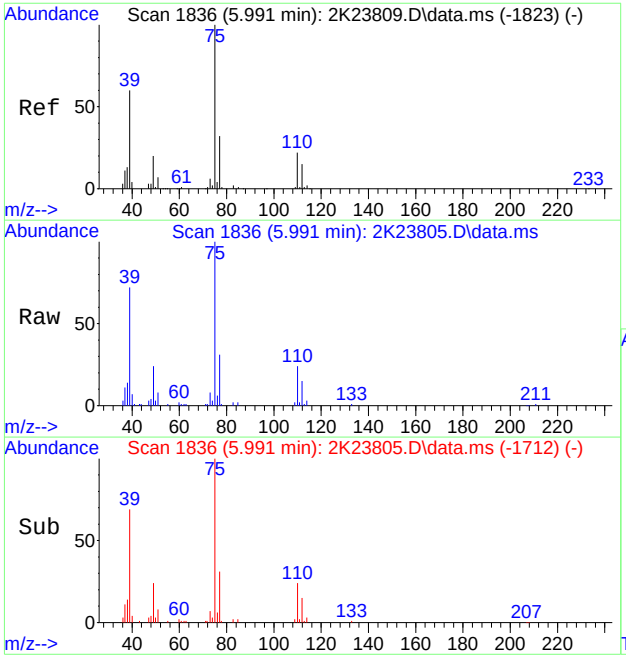


#68
epichlorohydrin
Concen: 42.19 ug/L
RT: 6.154 min Scan# 1887
Delta R.T. -0.003 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion: 57 Resp: 54058

Ion	Ratio	Lower	Upper
57	100		
49	25.8	7.1	47.1
42	11.8	0.0	27.5

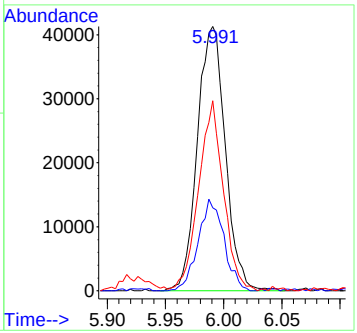


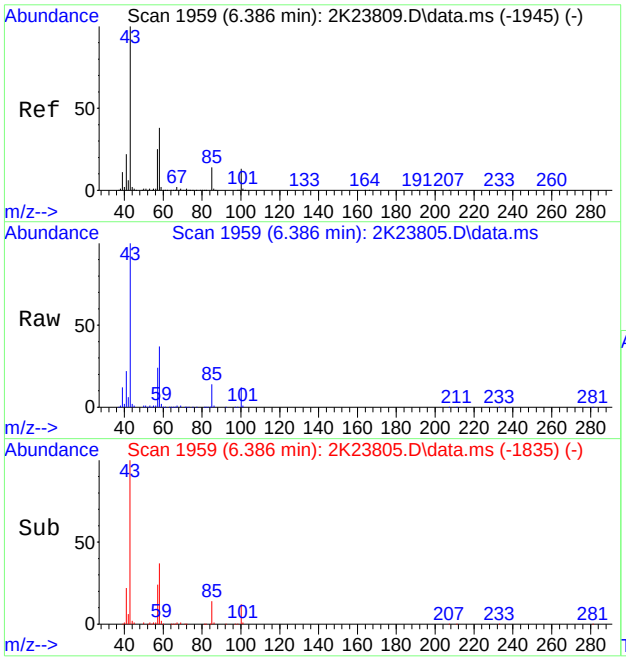


#69
cis-1,3-dichloropropene
Concen: 7.84 ug/L
RT: 5.991 min Scan# 1836
Delta R.T. -0.000 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion: 75 Resp: 69239

Ion	Ratio	Lower	Upper
75	100		
77	31.4	2.1	62.1
39	70.9	30.1	90.1

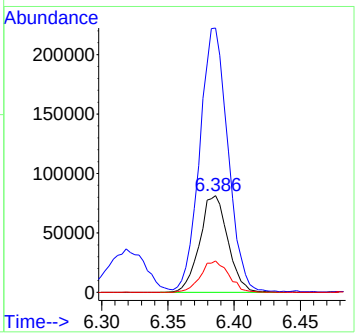


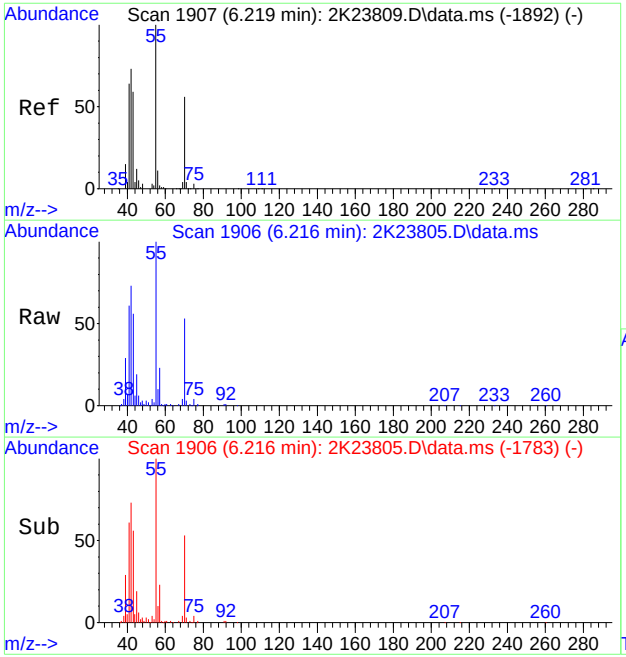


#70
4-methyl-2-pentanone
Concen: 32.16 ug/L
RT: 6.386 min Scan# 1959
Delta R.T. -0.000 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion: 58 Resp: 120775

Ion	Ratio	Lower	Upper
58	100		
43	272.0	244.4	304.4
100	32.5	4.8	64.8

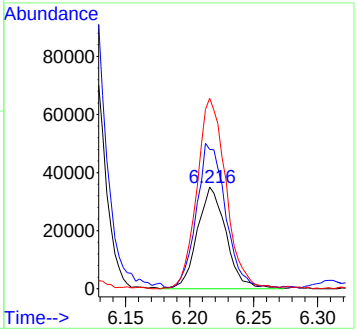


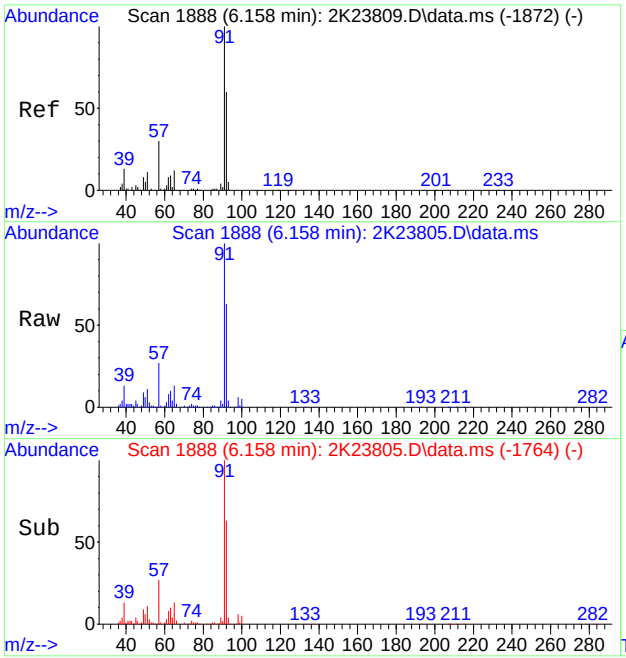


#71
3-methyl-1-butanol
Concen: 151.97 ug/L
RT: 6.216 min Scan# 1906
Delta R.T. -0.003 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion: 70 Resp: 54925

Ion	Ratio	Lower	Upper
70	100		
42	134.4	100.5	160.5
55	187.3	148.8	208.8

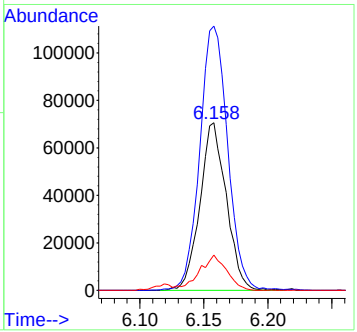


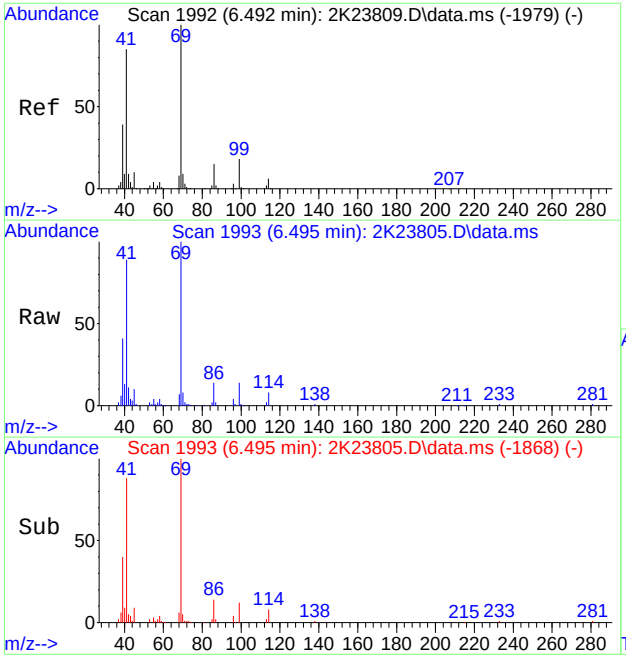


#74
toluene
Concen: 7.62 ug/L
RT: 6.158 min Scan# 1888
Delta R.T. -0.000 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion: 92 Resp: 101452

Ion	Ratio	Lower	Upper
92	100		
91	157.3	145.9	185.9
65	21.1	0.5	40.5

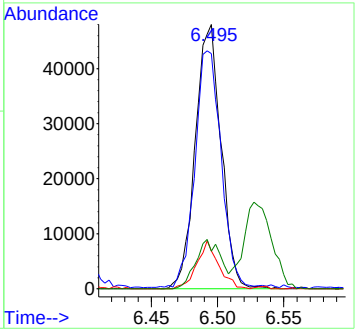


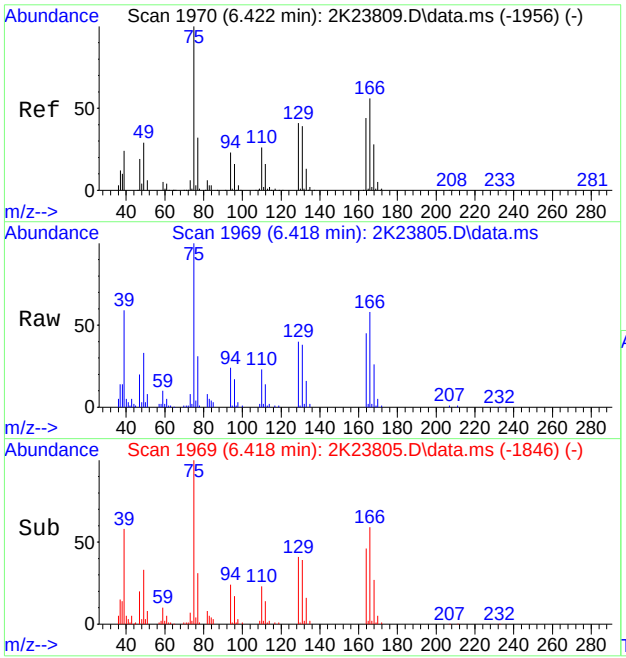


#75
ethyl methacrylate
Concen: 7.98 ug/L
RT: 6.495 min Scan# 1993
Delta R.T. 0.003 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion: 69 Resp: 64965

Ion	Ratio	Lower	Upper
69	100		
41	88.1	65.3	105.3
86	14.3	0.0	34.6
99	14.3	0.0	38.4

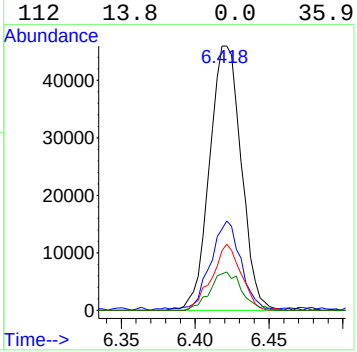


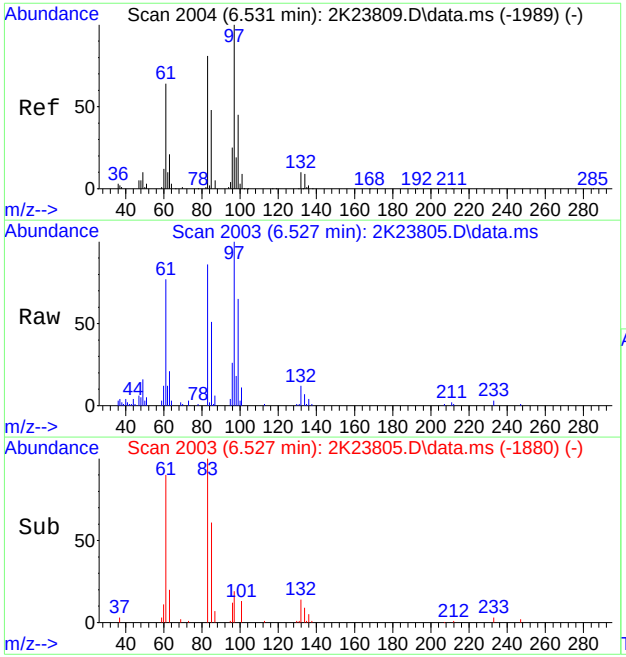


#76
trans-1,3-dichloropropene
Concen: 7.96 ug/L
RT: 6.418 min Scan# 1969
Delta R.T. -0.003 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion: 75 Resp: 68523

Ion	Ratio	Lower	Upper
75	100		
77	30.3	12.2	52.2
110	22.5	5.7	45.7
112	13.8	0.0	35.9

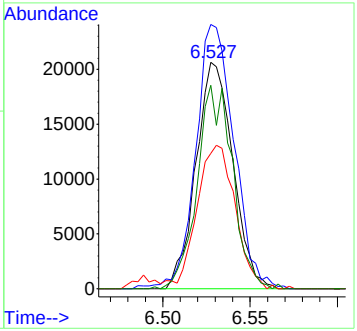


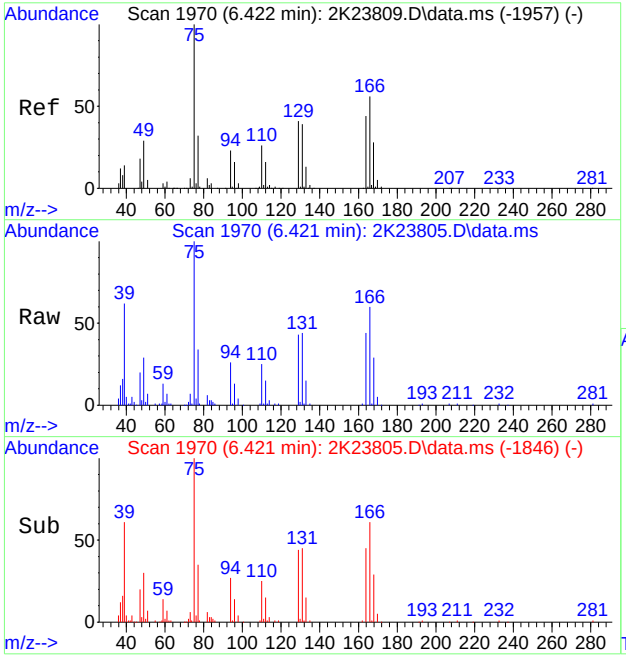


#77
1,1,2-trichloroethane
Concen: 7.58 ug/L
RT: 6.527 min Scan# 2003
Delta R.T. -0.003 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion: 83 Resp: 30421

Ion	Ratio	Lower	Upper
83	100		
97	115.5	103.4	143.4
85	59.8	40.7	80.7
61	89.8	58.7	98.7

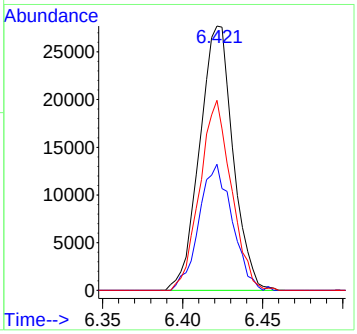


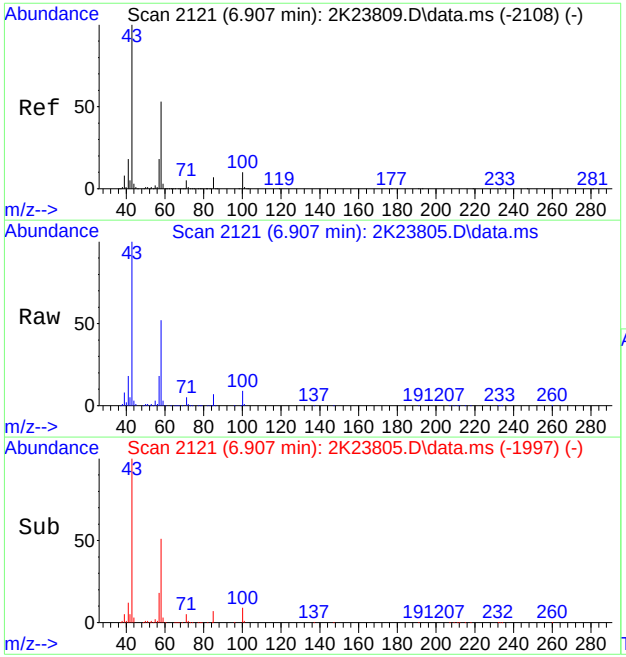


#78
tetrachloroethene
Concen: 8.04 ug/L
RT: 6.421 min Scan# 1970
Delta R.T. -0.000 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion:166 Resp: 40319

Ion	Ratio	Lower	Upper
166	100		
168	47.8	19.1	79.1
129	71.9	42.7	102.7

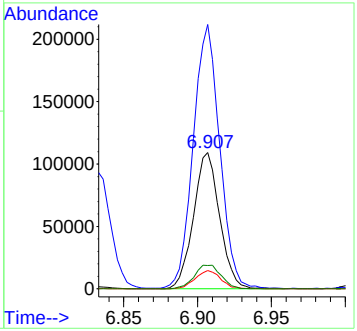


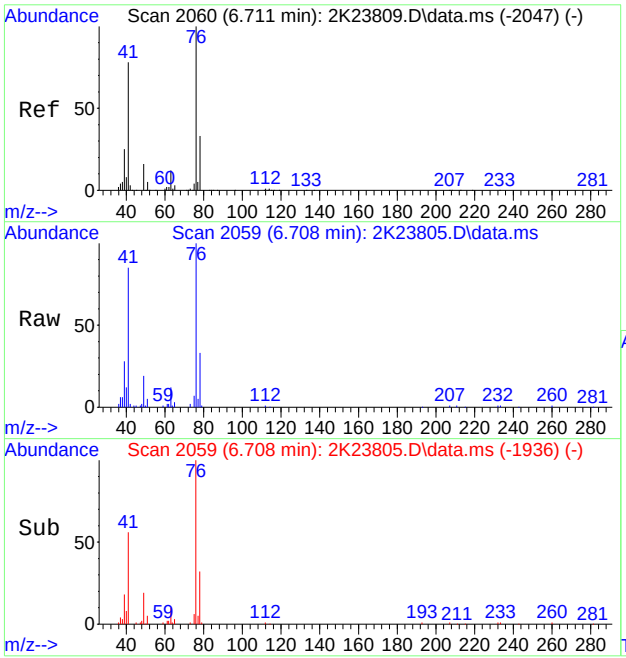


#79
2-hexanone
Concen: 32.58 ug/L
RT: 6.907 min Scan# 2121
Delta R.T. -0.000 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion: 58 Resp: 134006

Ion	Ratio	Lower	Upper
58	100		
43	193.9	168.9	208.9
85	13.4	0.0	33.1
100	17.0	0.0	39.1

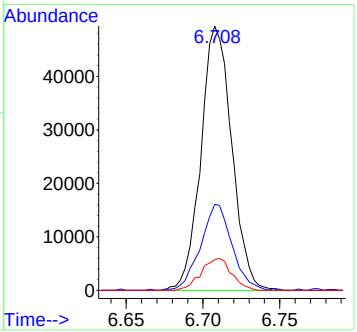


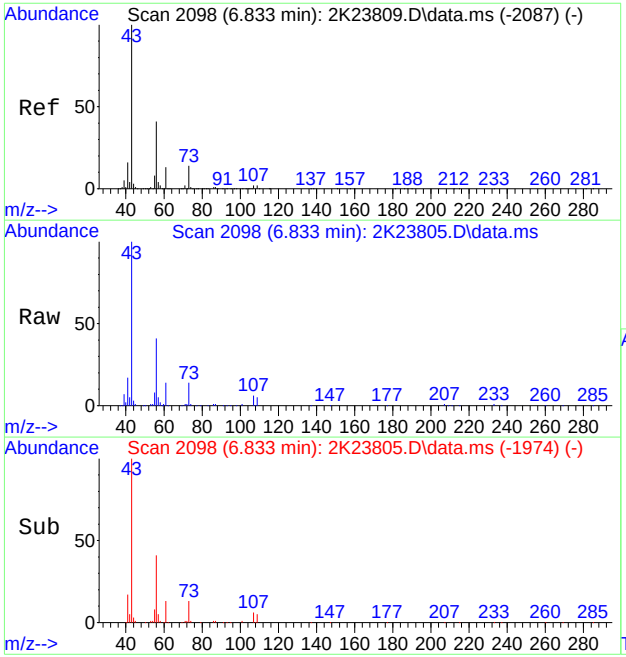


#80
1,3-dichloropropane
Concen: 8.03 ug/L
RT: 6.708 min Scan# 2059
Delta R.T. -0.003 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion: 76 Resp: 69017

Ion	Ratio	Lower	Upper
76	100		
78	32.5	2.9	62.9
63	11.7	0.0	42.3

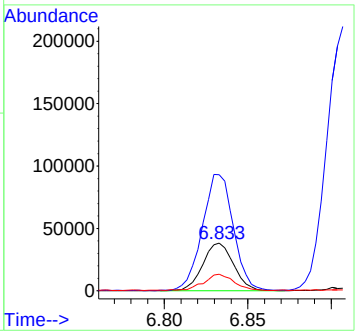


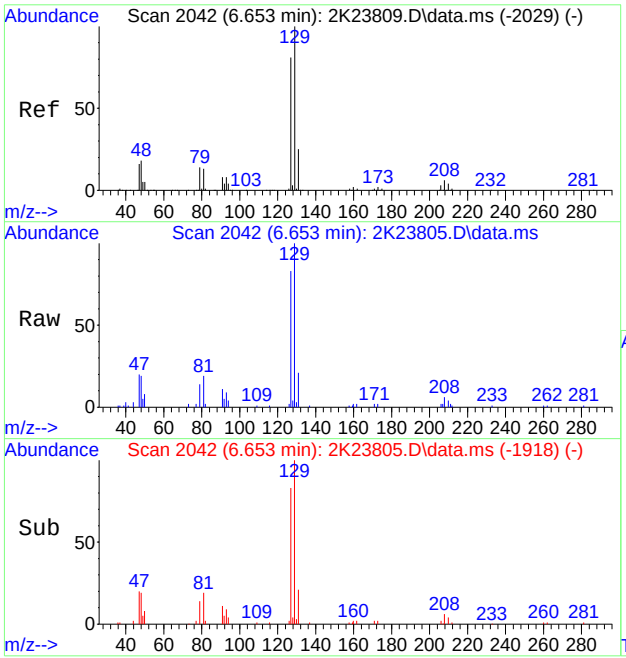


#81
butyl acetate
Concen: 8.23 ug/L
RT: 6.833 min Scan# 2098
Delta R.T. -0.000 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion: 56 Resp: 49175

Ion	Ratio	Lower	Upper
56	100		
43	241.9	213.5	273.5
73	33.3	4.2	64.2

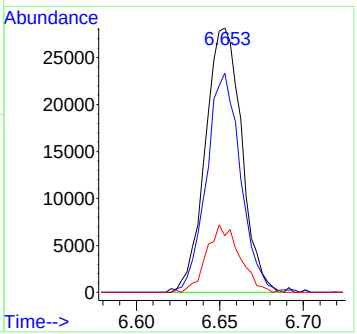


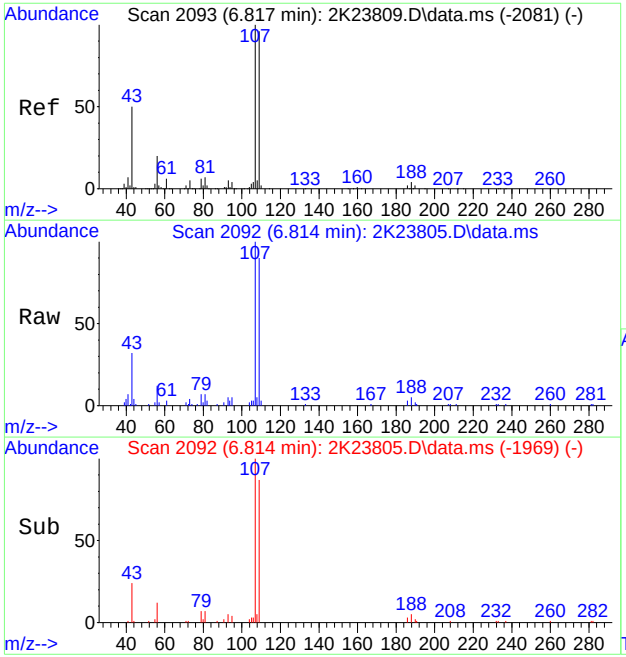


#82
dibromochloromethane
Concen: 8.43 ug/L
RT: 6.653 min Scan# 2042
Delta R.T. -0.000 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion:129 Resp: 42598

Ion	Ratio	Lower	Upper
129	100		
127	82.9	50.8	110.8
131	21.5	0.0	55.3

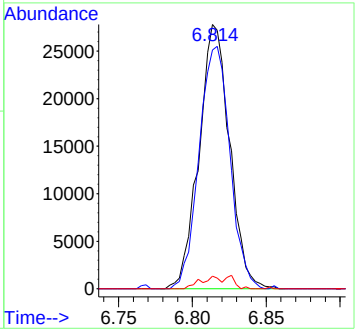


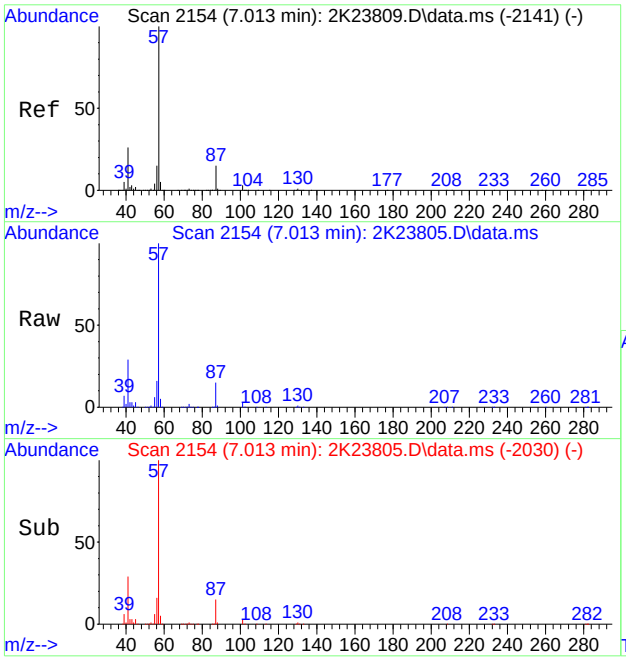


#83
1,2-dibromoethane
Concen: 8.50 ug/L
RT: 6.814 min Scan# 2092
Delta R.T. -0.003 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion:107 Resp: 40042

Ion	Ratio	Lower	Upper
107	100		
109	90.3	65.7	125.7
188	4.8	0.0	33.6

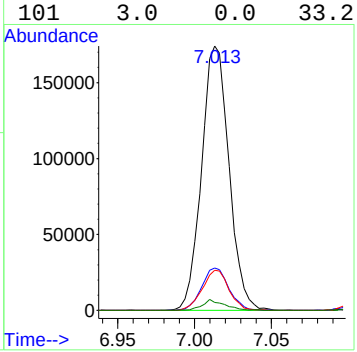


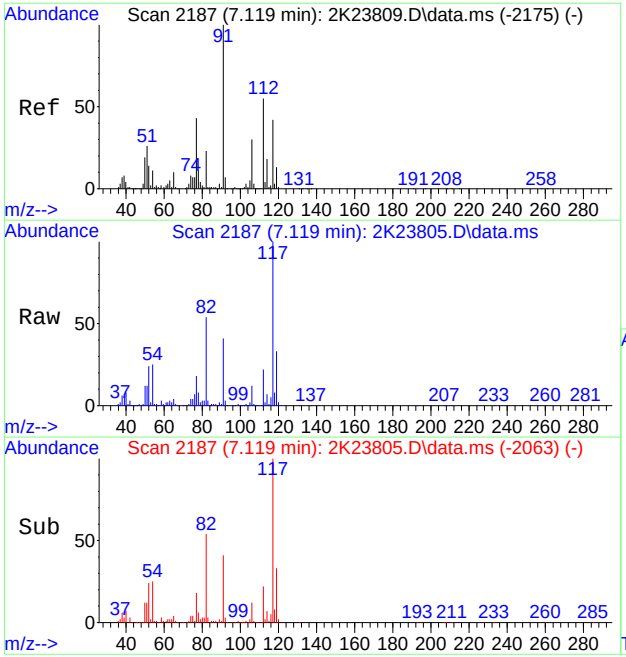


#84
n-butyl ether
Concen: 7.92 ug/L
RT: 7.013 min Scan# 2154
Delta R.T. -0.000 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion: 57 Resp: 216437

Ion	Ratio	Lower	Upper
57	100		
56	16.0	0.0	45.2
87	15.2	0.0	45.0
101	3.0	0.0	33.2

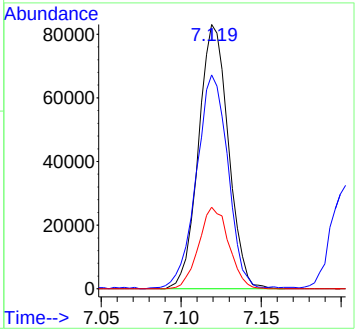


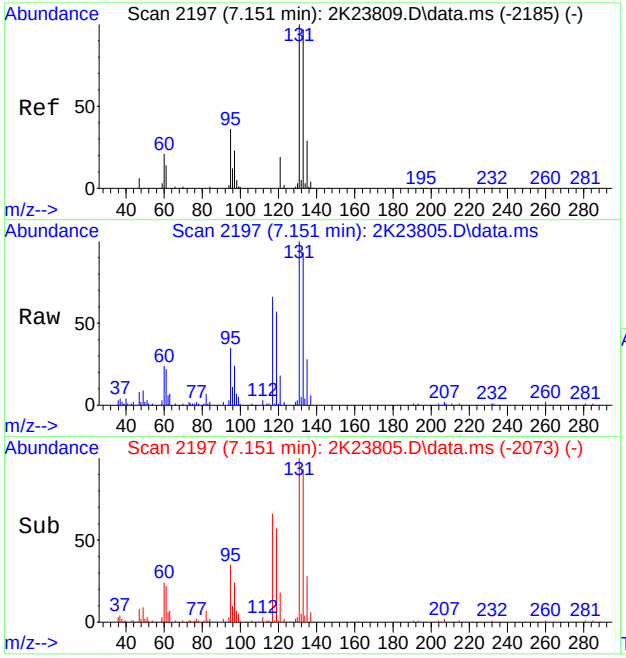


#85
chlorobenzene
Concen: 7.86 ug/L
RT: 7.119 min Scan# 2187
Delta R.T. -0.000 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion:112 Resp: 107685

Ion	Ratio	Lower	Upper
112	100		
77	80.3	49.5	109.5
114	30.8	2.1	62.1

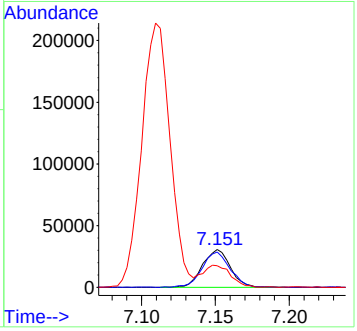


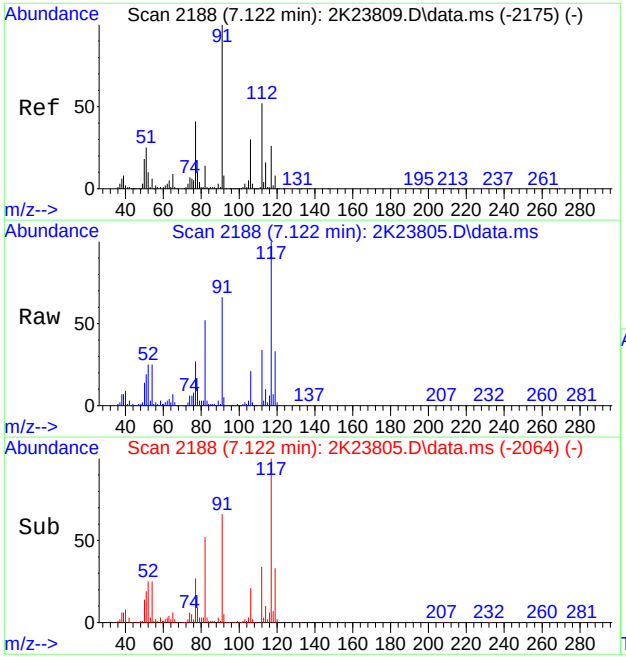


#86
1,1,1,2-tetrachloroethane
Concen: 8.45 ug/L
RT: 7.151 min Scan# 2197
Delta R.T. -0.000 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion:131 Resp: 40094

Ion	Ratio	Lower	Upper
131	100		
133	93.3	66.7	126.7
119	56.4	31.1	91.1

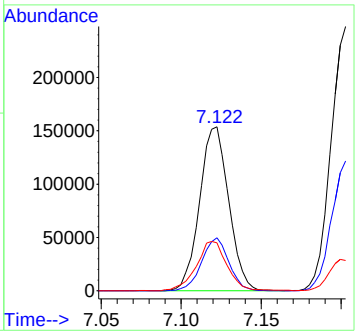


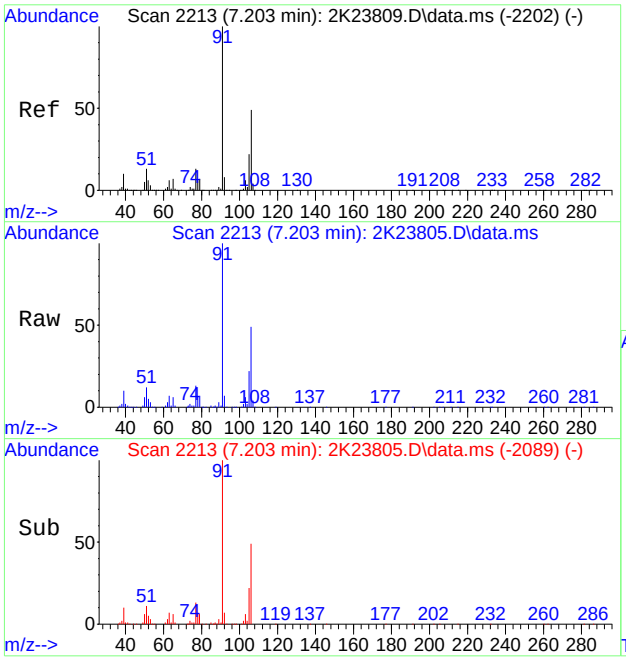


#87
ethylbenzene
Concen: 7.59 ug/L
RT: 7.122 min Scan# 2188
Delta R.T. -0.000 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion: 91 Resp: 194570

Ion	Ratio	Lower	Upper
91	100		
106	32.3	0.3	60.3
51	29.3	0.0	55.4

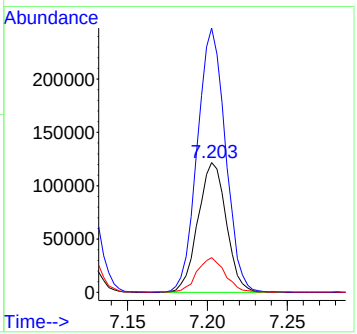


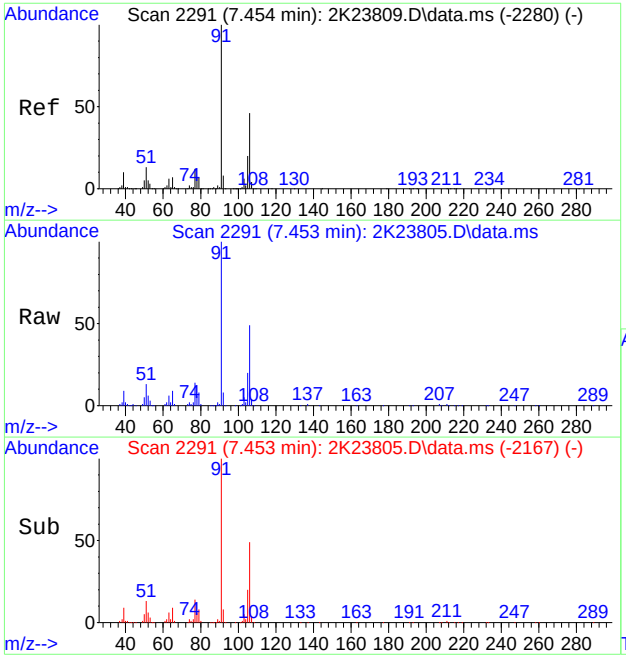


#88
m,p-xylene
Concen: 16.44 ug/L
RT: 7.203 min Scan# 2213
Delta R.T. -0.000 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion:106 Resp: 149674

Ion	Ratio	Lower	Upper
106	100		
91	203.5	173.5	233.5
77	26.5	7.0	47.0

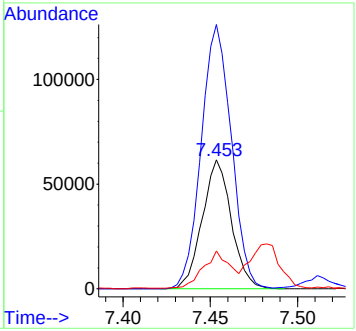


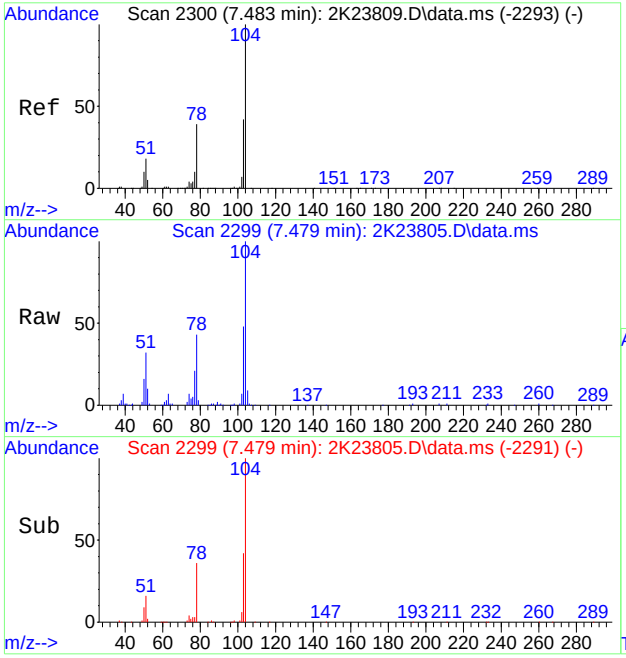


#89
o-xylene
Concen: 8.02 ug/L
RT: 7.453 min Scan# 2291
Delta R.T. -0.000 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion:106 Resp: 71558

Ion	Ratio	Lower	Upper
106	100		
91	205.3	186.3	246.3
77	29.0	6.7	46.7

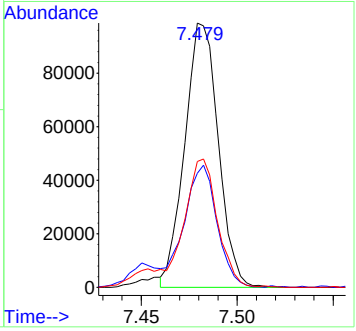


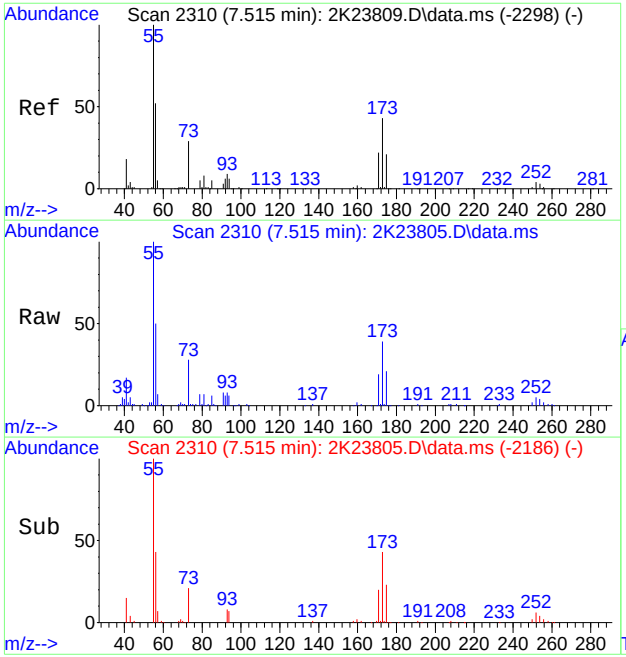


#90
styrene
Concen: 8.00 ug/L
RT: 7.479 min Scan# 2299
Delta R.T. -0.003 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion:104 Resp: 120120

Ion	Ratio	Lower	Upper
104	100		
78	42.8	14.3	74.3
103	47.6	17.0	77.0

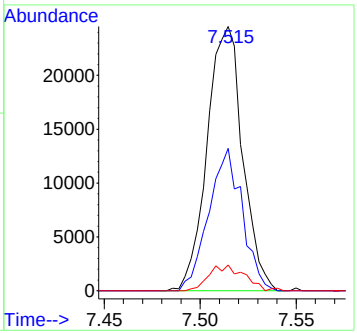


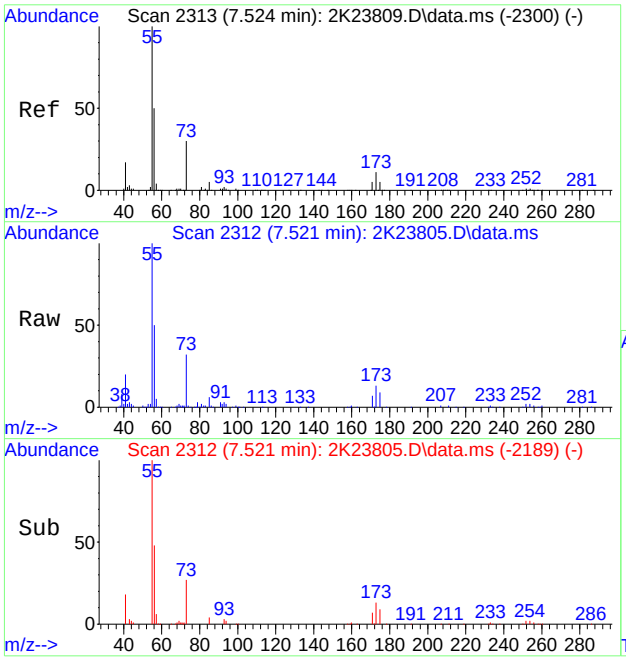


#91
bromoform
Concen: 7.62 ug/L
RT: 7.515 min Scan# 2310
Delta R.T. -0.000 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion:173 Resp: 31530

Ion	Ratio	Lower	Upper
173	100		
175	53.8	18.6	78.6
254	9.8	0.0	37.9

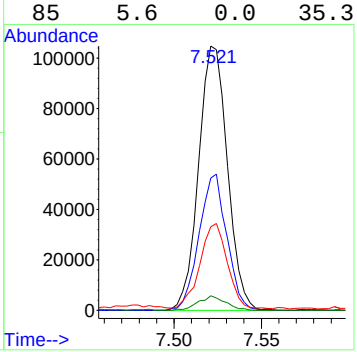


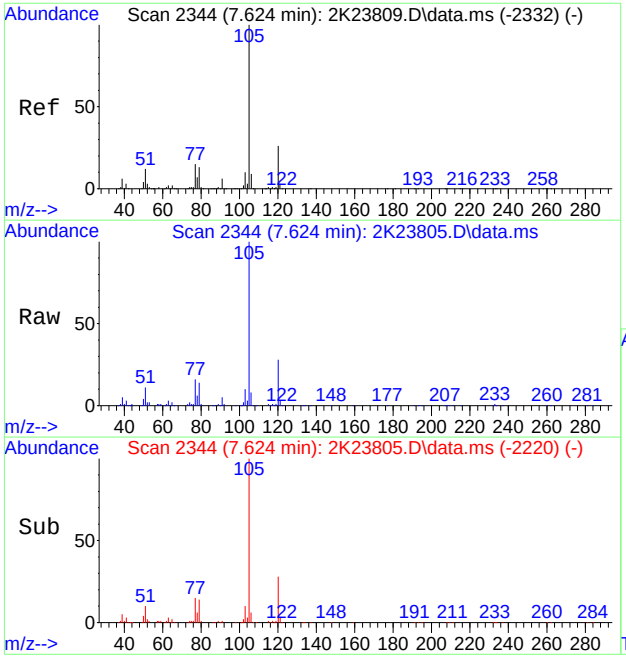


#92
butyl acrylate
Concen: 7.81 ug/L
RT: 7.521 min Scan# 2312
Delta R.T. -0.003 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion: 55 Resp: 120497

Ion	Ratio	Lower	Upper
55	100		
56	50.1	20.5	80.5
73	30.6	0.7	60.7
85	5.6	0.0	35.3

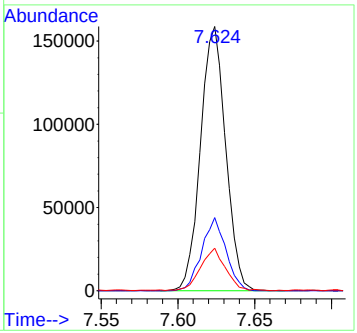


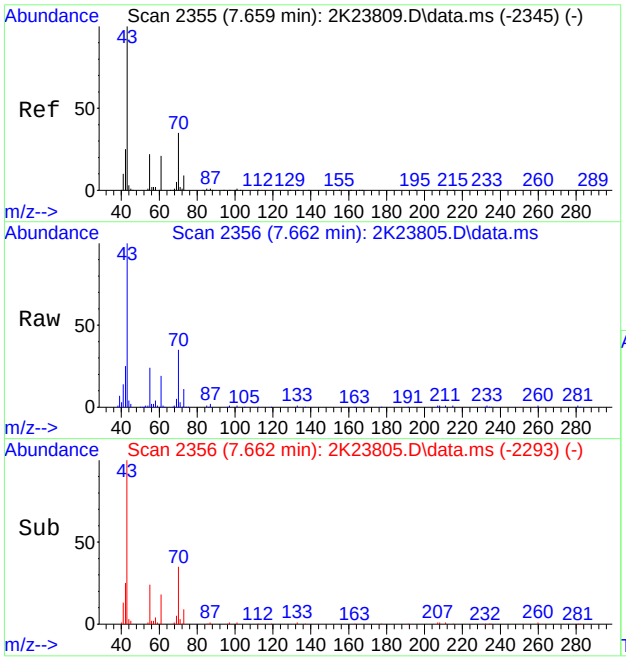


#93
isopropylbenzene
Concen: 8.27 ug/L
RT: 7.624 min Scan# 2344
Delta R.T. -0.000 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion:105 Resp: 180932

Ion	Ratio	Lower	Upper
105	100		
120	27.7	6.4	46.4
77	16.0	0.0	35.1

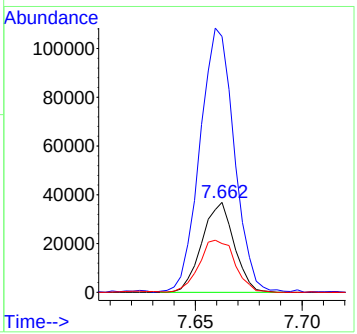


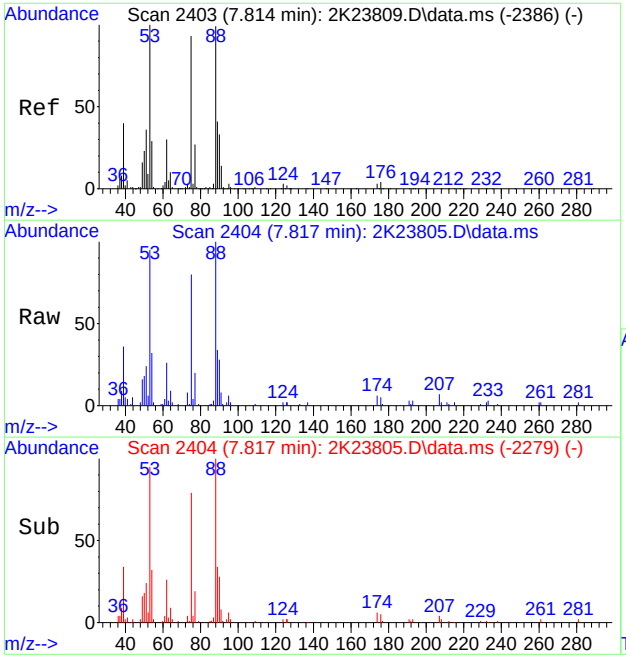


#94
n-amyl acetate
Concen: 7.90 ug/L
RT: 7.662 min Scan# 2356
Delta R.T. 0.003 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion: 70 Resp: 38671

Ion	Ratio	Lower	Upper
70	100		
43	282.8	265.5	305.5
61	54.2	41.9	81.9

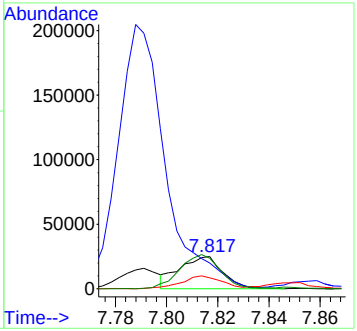


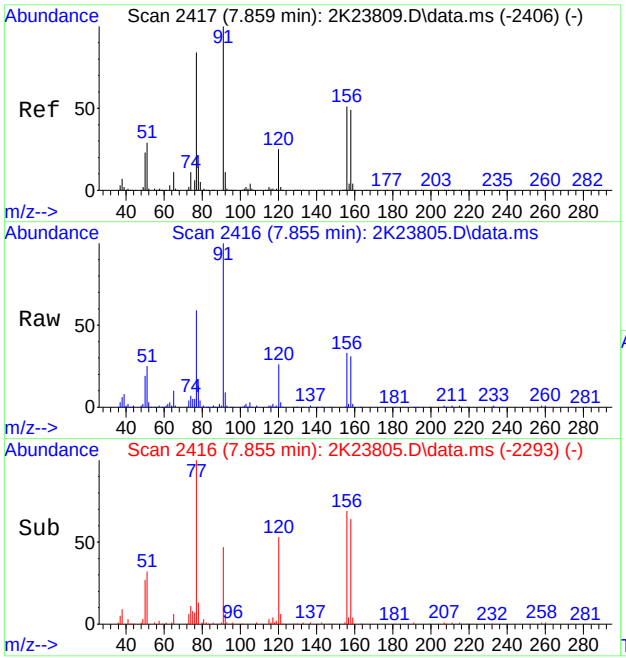


#95
cis-1,4-dichloro-2-butene
Concen: 9.03 ug/L
RT: 7.817 min Scan# 2404
Delta R.T. 0.003 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion: 88 Resp: 29303

Ion	Ratio	Lower	Upper
88	100		
75	68.4	73.7	113.7#
89	29.4	20.9	60.9
53	89.3	81.0	121.0

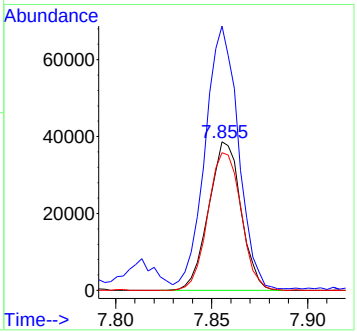


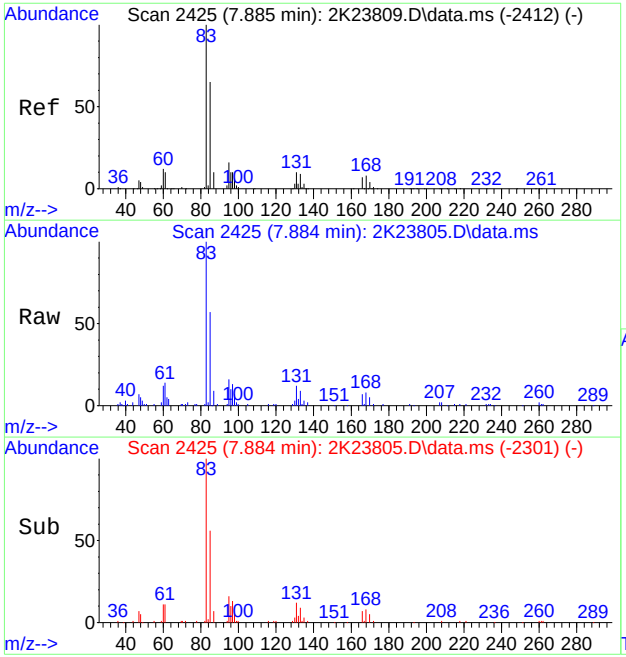


#98
bromobenzene
Concen: 7.85 ug/L
RT: 7.855 min Scan# 2416
Delta R.T. -0.003 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion:156 Resp: 45320

Ion	Ratio	Lower	Upper
156	100		
77	176.9	144.3	204.3
158	92.7	66.5	126.5

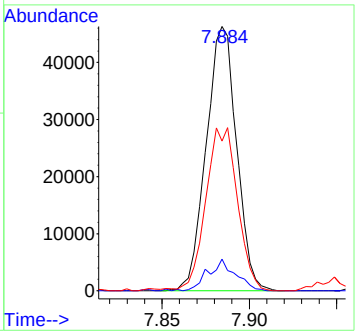


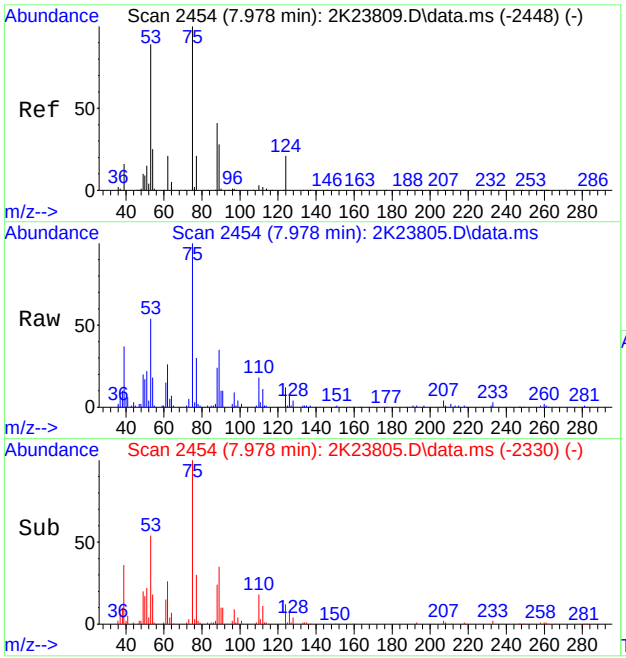


#99
1,1,2,2-tetrachloroethane
Concen: 7.49 ug/L
RT: 7.884 min Scan# 2425
Delta R.T. -0.000 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion: 83 Resp: 56132

Ion	Ratio	Lower	Upper
83	100		
131	12.0	0.0	40.0
85	56.7	35.3	95.3

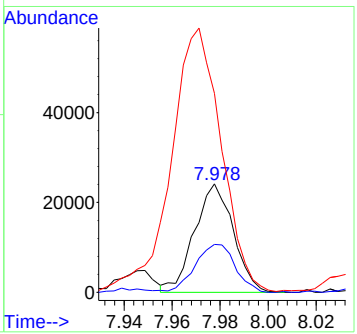


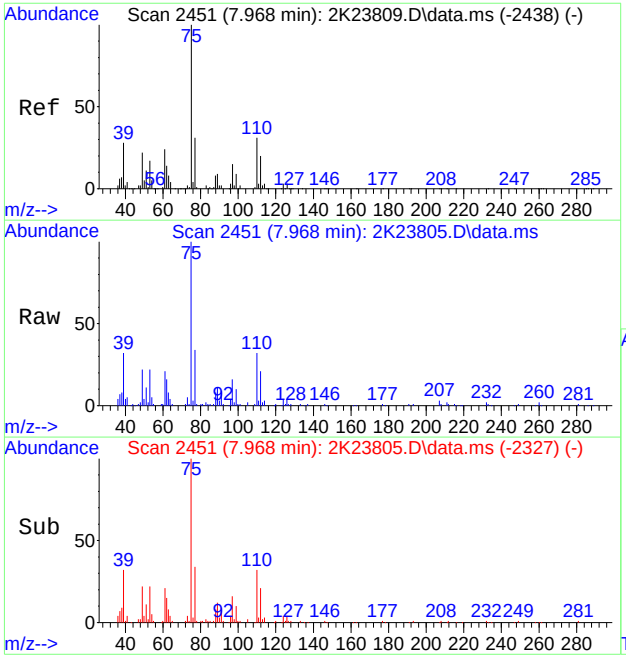


#100
trans-1,4-dichloro-2-butene
Concen: 7.78 ug/L
RT: 7.978 min Scan# 2454
Delta R.T. -0.000 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion: 53 Resp: 27099

Ion	Ratio	Lower	Upper
53	100		
88	43.4	15.2	75.2
75	181.7	166.9	226.9

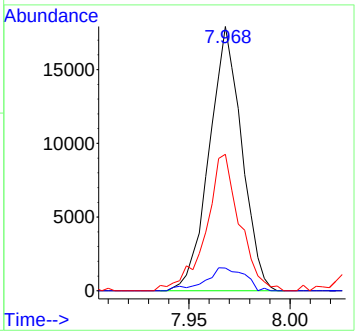


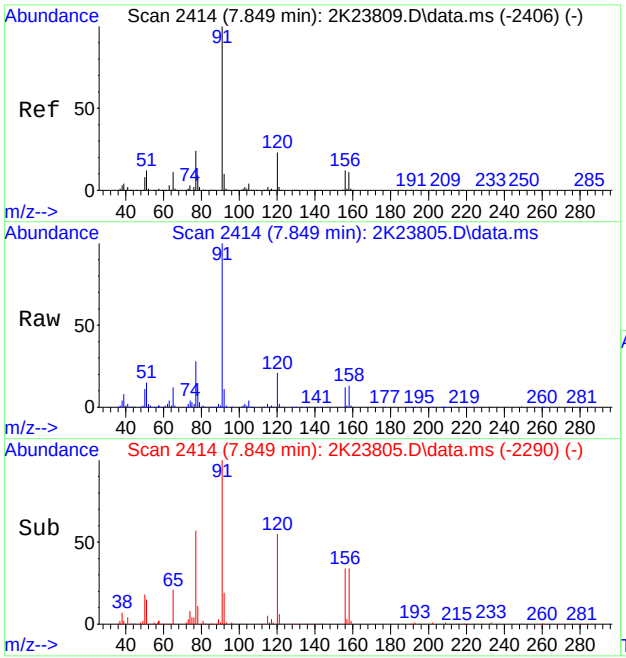


#101
1,2,3-trichloropropane
Concen: 7.90 ug/L
RT: 7.968 min Scan# 2451
Delta R.T. -0.000 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion:110 Resp: 19992

Ion	Ratio	Lower	Upper
110	100		
111	8.6	0.0	39.3
97	51.6	17.7	77.7

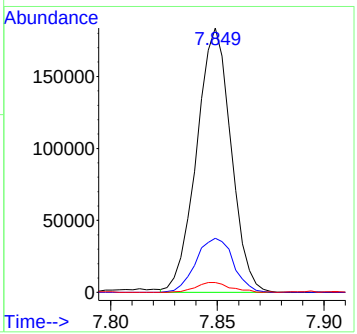


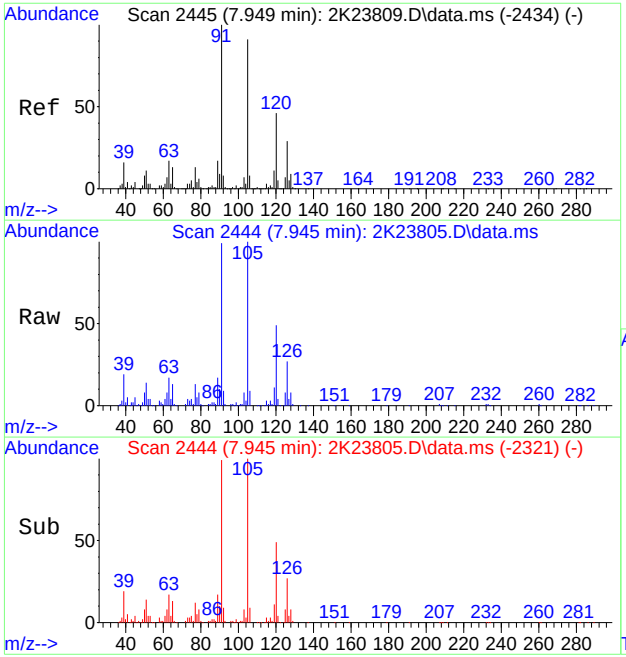


#102
n-propylbenzene
Concen: 7.91 ug/L
RT: 7.849 min Scan# 2414
Delta R.T. -0.000 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion: 91 Resp: 205956

Ion	Ratio	Lower	Upper
91	100		
120	20.5	0.0	52.7
105	3.8	0.0	34.0

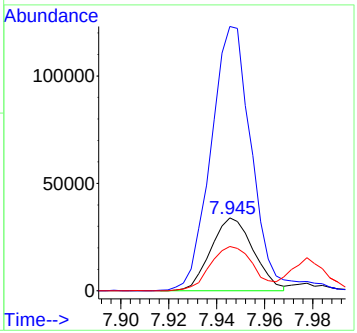


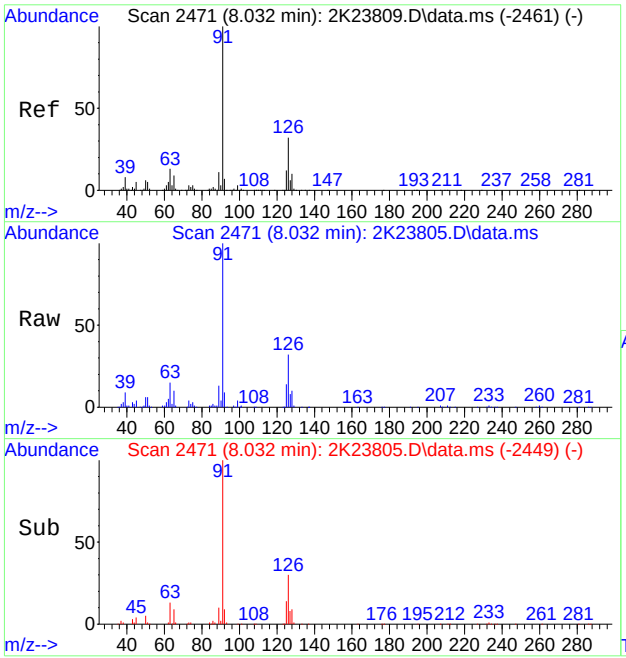


#103
2-chlorotoluene
Concen: 7.72 ug/L
RT: 7.945 min Scan# 2444
Delta R.T. -0.003 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion:126 Resp: 41853

Ion	Ratio	Lower	Upper
126	100		
91	361.8	309.9	369.9
89	60.9	27.7	87.7

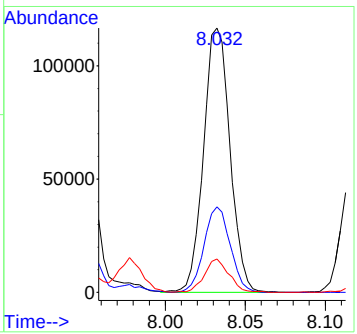




#104
4-chlorotoluene
Concen: 7.78 ug/L
RT: 8.032 min Scan# 2471
Delta R.T. -0.000 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

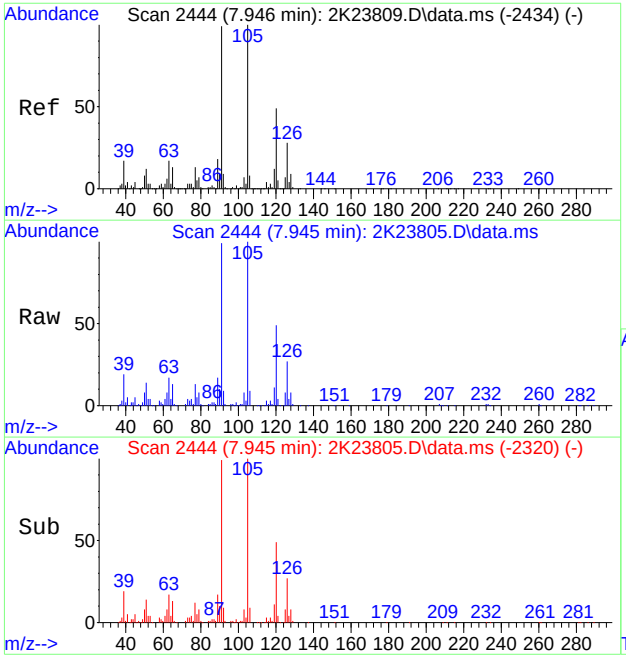
Tgt Ion: 91 Resp: 134580

Ion	Ratio	Lower	Upper
91	100		
126	32.3	1.8	61.8
89	12.6	0.0	41.0



7.6.6

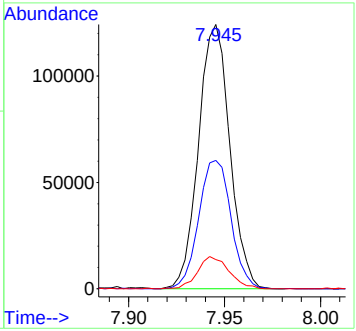
7

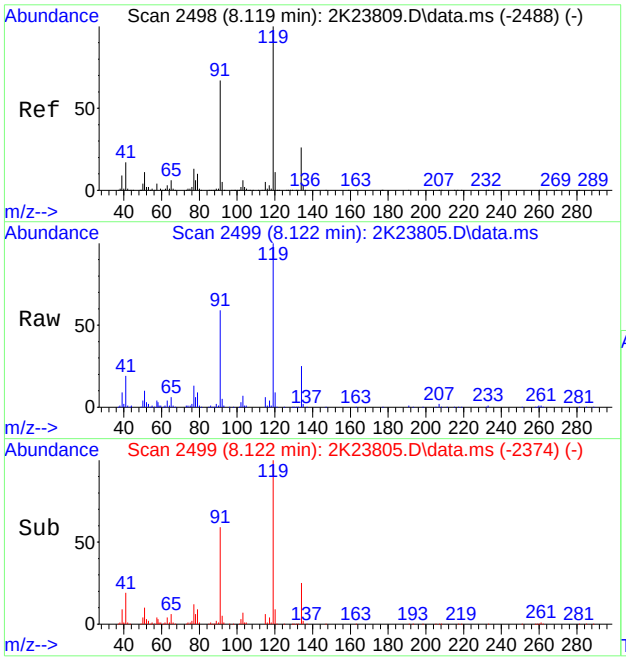


#105
1,3,5-trimethylbenzene
Concen: 7.86 ug/L
RT: 7.945 min Scan# 2444
Delta R.T. -0.000 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion:105 Resp: 141117

Ion	Ratio	Lower	Upper
105	100		
120	48.6	19.0	79.0
119	11.0	0.0	42.0

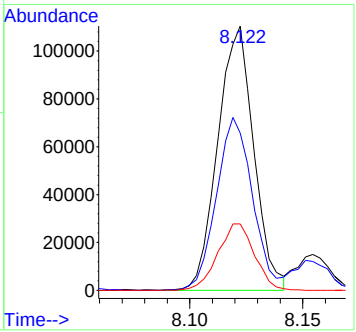


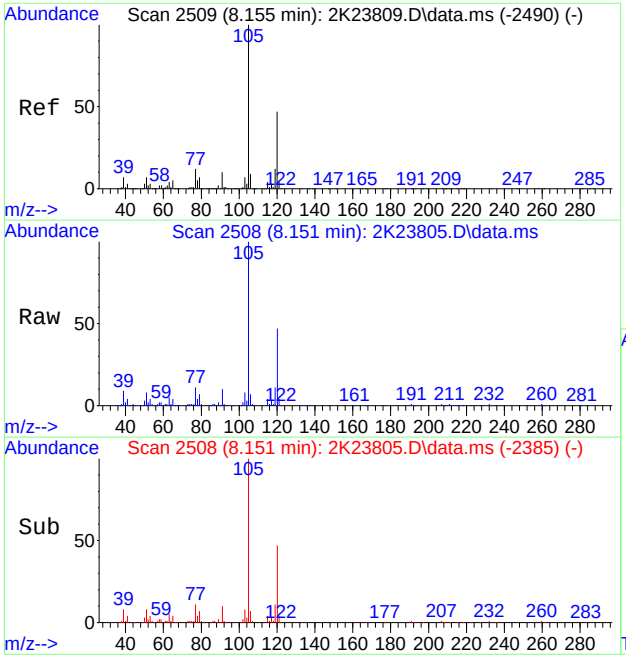


#106
tert-butylbenzene
Concen: 7.90 ug/L
RT: 8.122 min Scan# 2499
Delta R.T. 0.003 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion:119 Resp: 122180

Ion	Ratio	Lower	Upper
119	100		
91	59.4	37.4	97.4
134	25.2	0.0	55.8

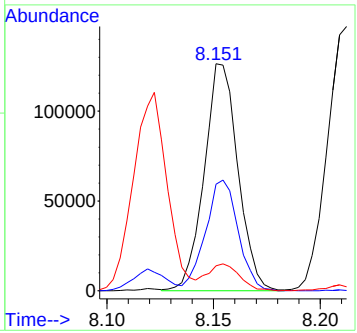


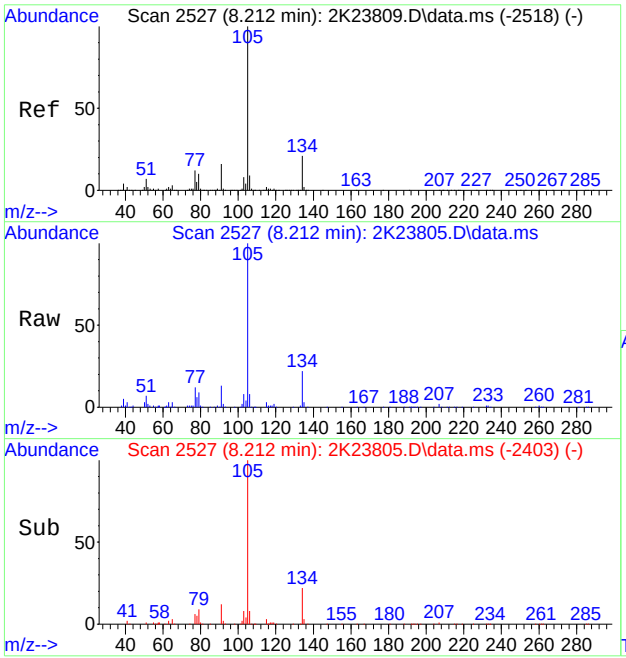


#107
1,2,4-trimethylbenzene
Concen: 7.86 ug/L
RT: 8.151 min Scan# 2508
Delta R.T. -0.003 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion:105 Resp: 139386

Ion	Ratio	Lower	Upper
105	100		
120	47.1	16.8	76.8
119	10.9	0.0	42.0

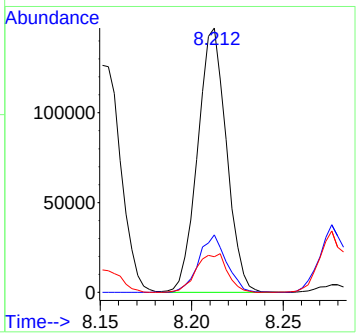


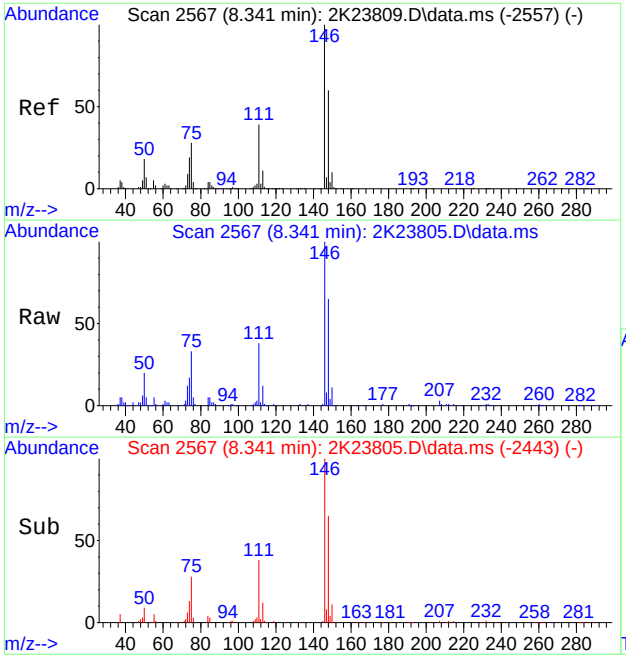


#108
sec-butylbenzene
Concen: 8.06 ug/L
RT: 8.212 min Scan# 2527
Delta R.T. -0.000 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion:105 Resp: 161244

Ion	Ratio	Lower	Upper
105	100		
134	21.8	0.0	51.4
91	13.4	0.0	45.7

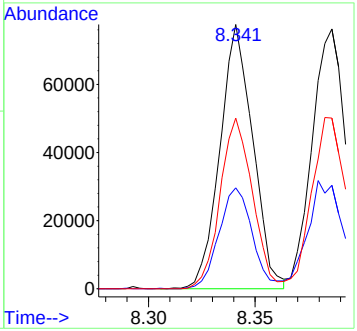


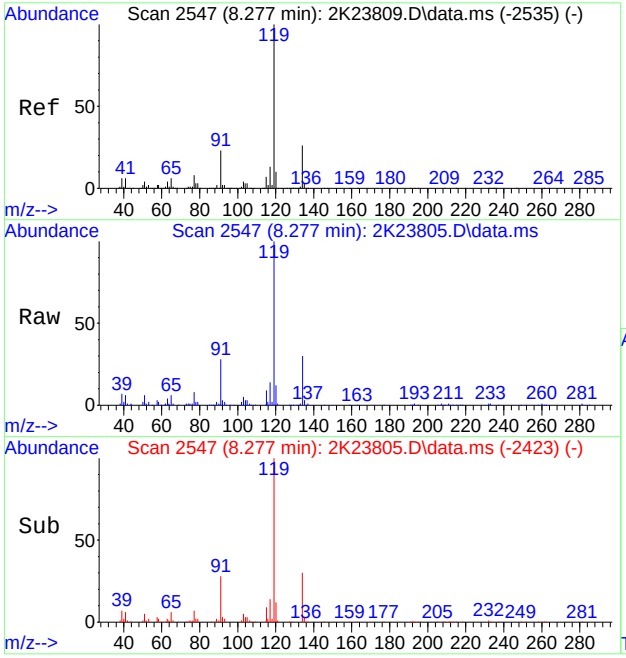


#109
1,3-dichlorobenzene
Concen: 7.83 ug/L
RT: 8.341 min Scan# 2567
Delta R.T. -0.000 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion:146 Resp: 83387

Ion	Ratio	Lower	Upper
146	100		
111	37.9	8.6	68.6
148	64.6	29.8	89.8

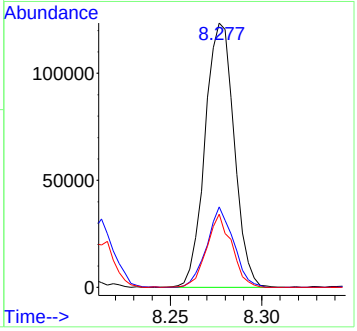


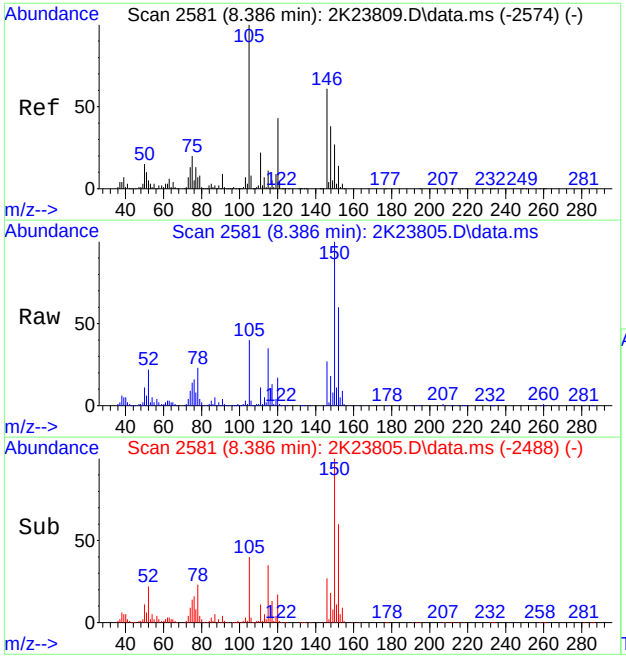


#110
p-isopropyltoluene
Concen: 7.69 ug/L
RT: 8.277 min Scan# 2547
Delta R.T. -0.000 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion:119 Resp: 136830

Ion	Ratio	Lower	Upper
119	100		
134	30.4	0.0	56.0
91	27.7	0.0	53.4

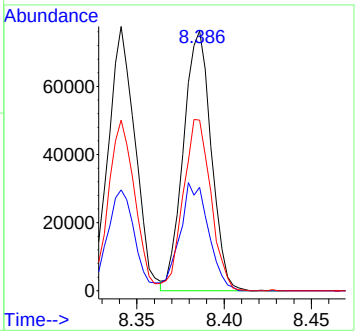


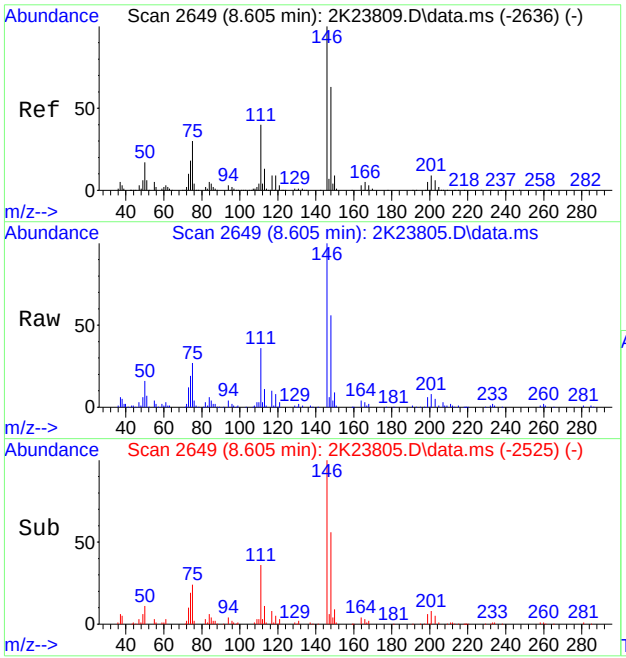


#111
1,4-dichlorobenzene
Concen: 8.01 ug/L
RT: 8.386 min Scan# 2581
Delta R.T. -0.000 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion:146 Resp: 84562

Ion	Ratio	Lower	Upper
146	100		
111	39.8	6.3	66.3
148	65.7	32.9	92.9

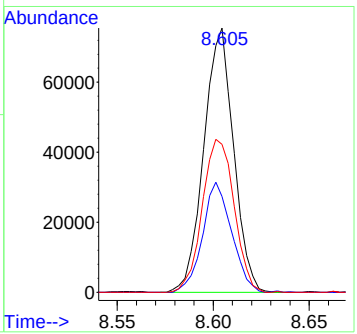


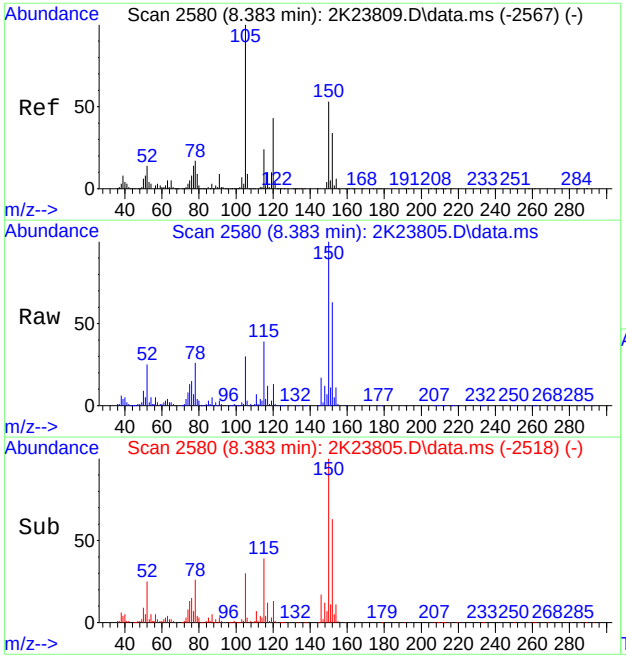


#112
1,2-dichlorobenzene
Concen: 8.07 ug/L
RT: 8.605 min Scan# 2649
Delta R.T. -0.000 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion:146 Resp: 81461

Ion	Ratio	Lower	Upper
146	100		
111	36.3	10.0	70.0
148	56.0	33.3	93.3

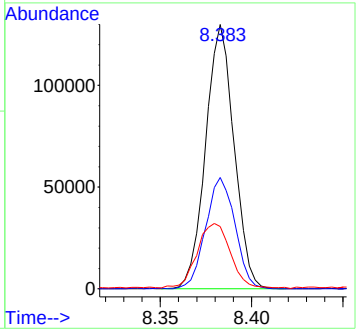


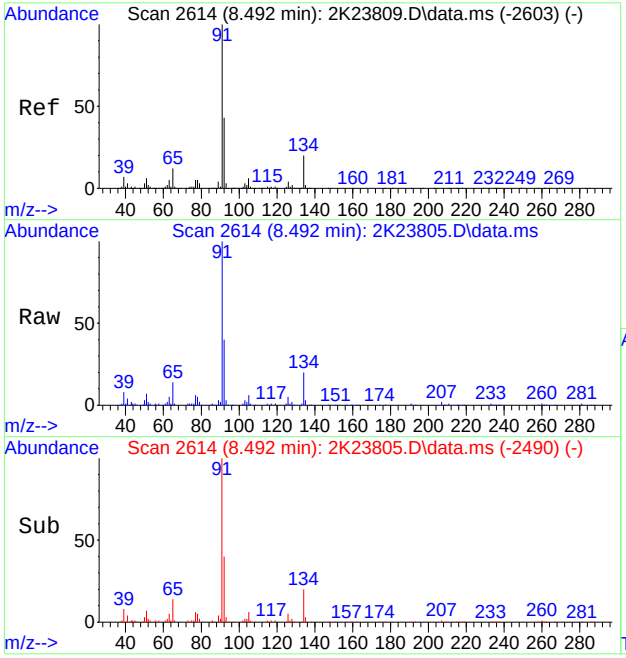


#113
1,2,3-trimethylbenzene
Concen: 7.50 ug/L
RT: 8.383 min Scan# 2580
Delta R.T. -0.000 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion:105 Resp: 140955

Ion	Ratio	Lower	Upper
105	100		
120	42.1	13.3	73.3
77	23.2	0.0	43.9

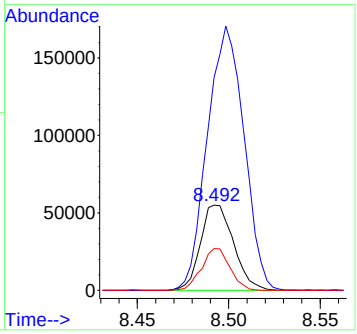


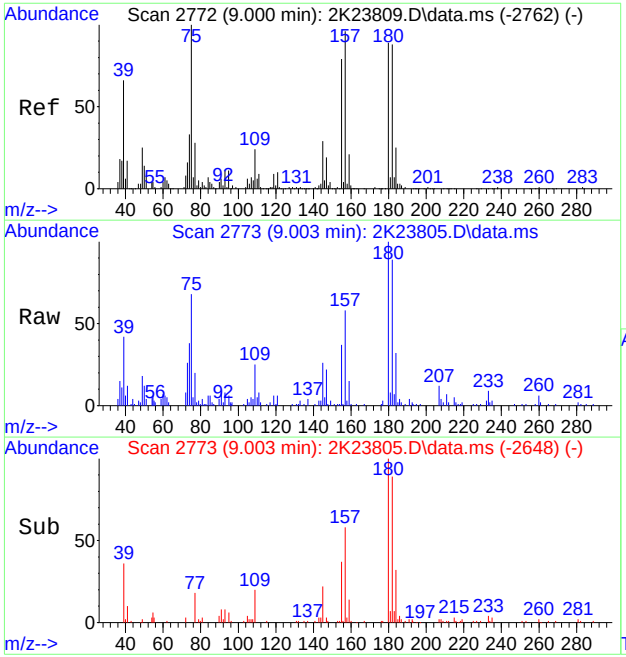


#114
n-butylbenzene
Concen: 8.03 ug/L
RT: 8.492 min Scan# 2614
Delta R.T. -0.000 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion: 92 Resp: 69739

Ion	Ratio	Lower	Upper
92	100		
91	250.0	203.0	263.0
134	49.1	17.1	77.1

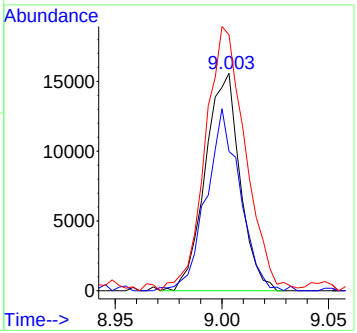


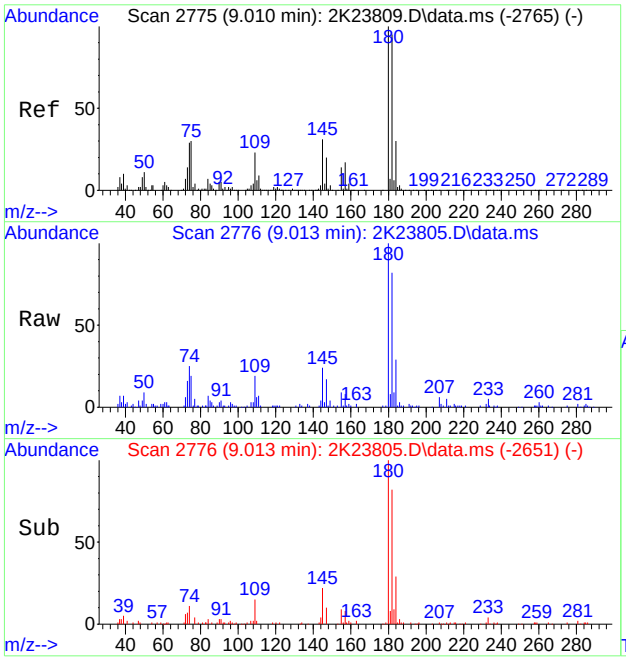


#115
1,2-dibromo-3-chloropropane
Concen: 7.55 ug/L
RT: 9.003 min Scan# 2773
Delta R.T. 0.003 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion:157 Resp: 17652

Ion	Ratio	Lower	Upper
157	100		
155	64.1	52.3	112.3
75	117.6	74.2	134.2

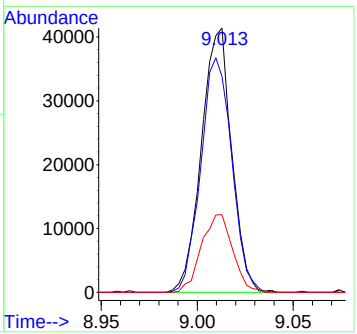


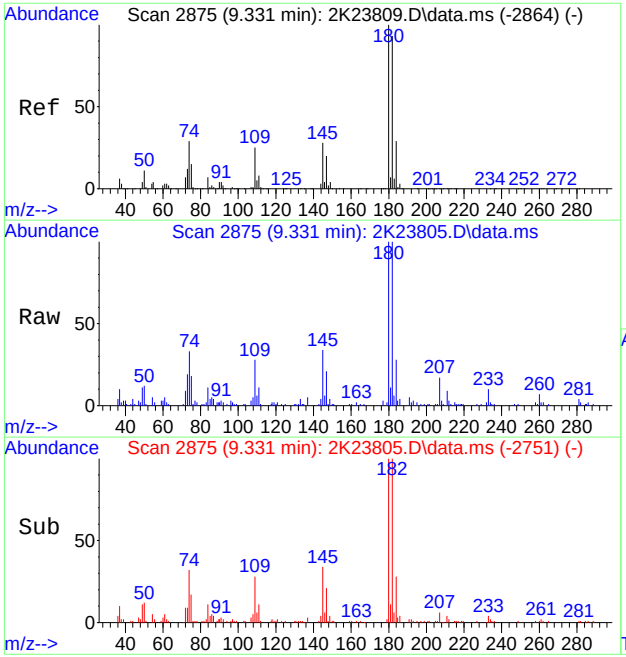


#116
1,3,5-trichlorobenzene
Concen: 7.74 ug/L
RT: 9.013 min Scan# 2776
Delta R.T. 0.003 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion:180 Resp: 45407

Ion	Ratio	Lower	Upper
180	100		
182	81.6	74.7	114.7
184	29.4	9.9	49.9

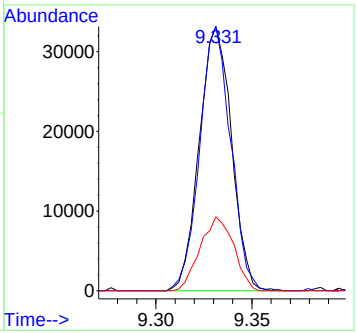


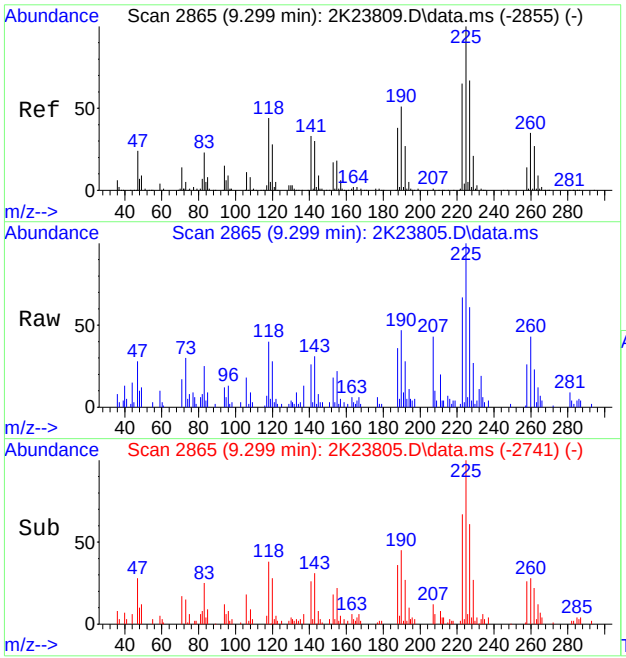


#117
1,2,4-trichlorobenzene
Concen: 7.56 ug/L
RT: 9.331 min Scan# 2875
Delta R.T. -0.000 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion:180 Resp: 38687

Ion	Ratio	Lower	Upper
180	100		
182	100.0	63.0	123.0
184	28.0	0.0	59.0

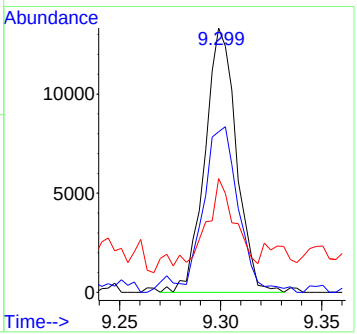


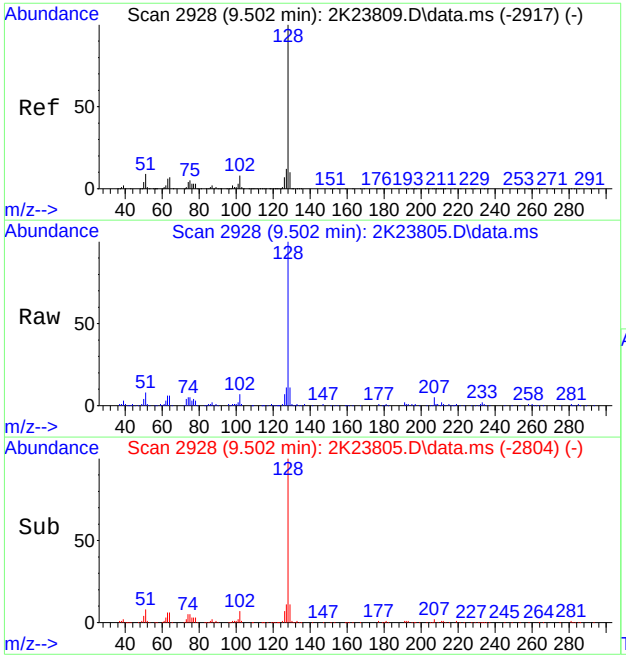


#118
hexachlorobutadiene
Concen: 7.58 ug/L
RT: 9.299 min Scan# 2865
Delta R.T. -0.000 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion:225 Resp: 14440

Ion	Ratio	Lower	Upper
225	100		
227	59.2	36.8	96.8
260	30.3	5.2	65.2

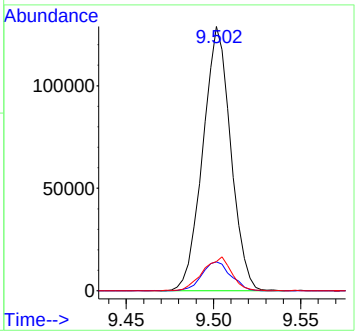


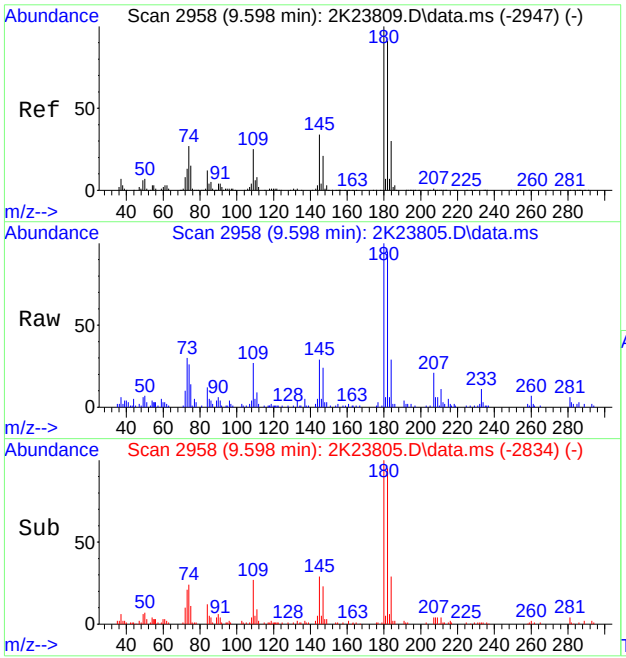


#119
naphthalene
Concen: 7.83 ug/L
RT: 9.502 min Scan# 2928
Delta R.T. -0.000 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion:128 Resp: 143376

Ion	Ratio	Lower	Upper
128	100		
129	10.9	0.0	40.4
127	11.1	0.0	42.1

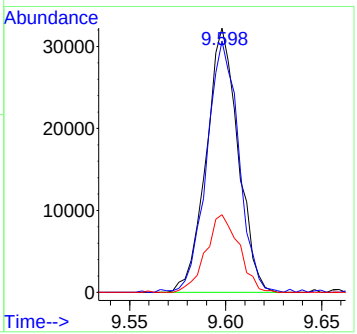


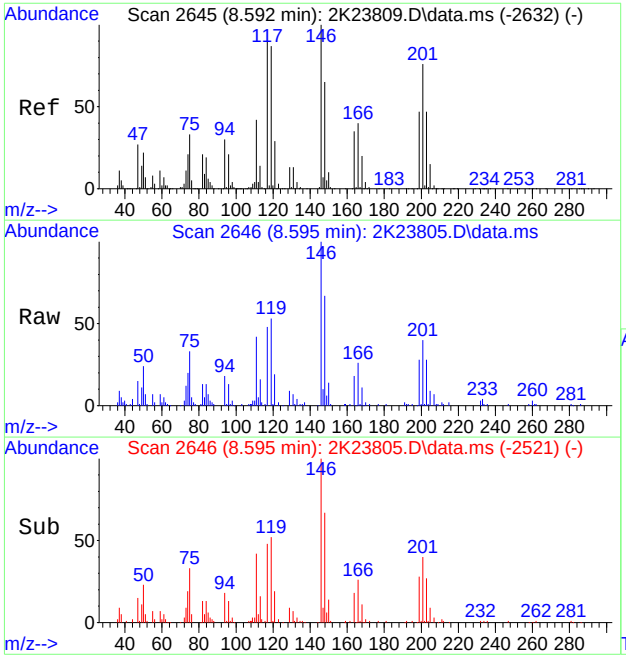


#120
1,2,3-trichlorobenzene
Concen: 7.62 ug/L
RT: 9.598 min Scan# 2958
Delta R.T. -0.000 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion:180 Resp: 37248

Ion	Ratio	Lower	Upper
180	100		
182	95.1	60.8	120.8
184	29.4	0.3	60.3

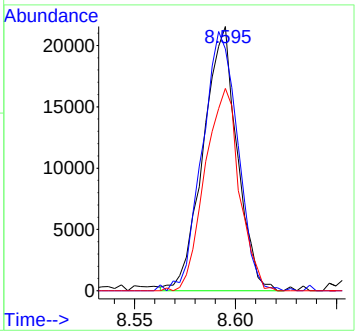


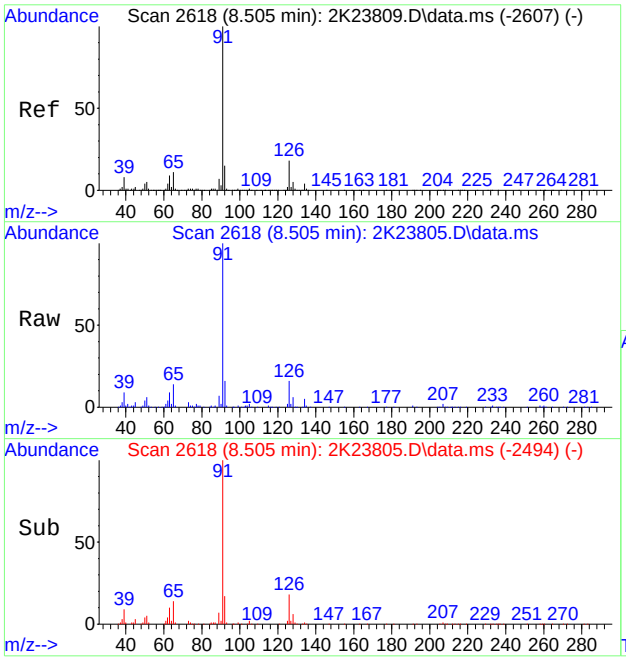


#121
hexachloroethane
Concen: 7.65 ug/L
RT: 8.595 min Scan# 2646
Delta R.T. 0.003 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion:119 Resp: 25074

Ion	Ratio	Lower	Upper
119	100		
117	91.4	72.5	132.5
201	76.5	56.6	116.6

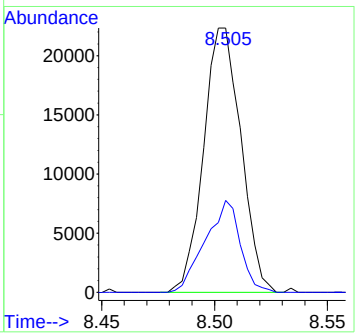


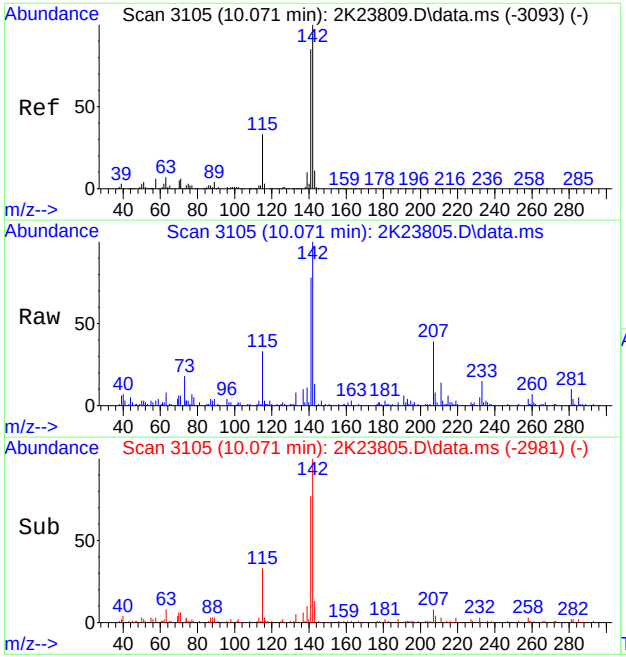


#122
benzyl chloride
Concen: 7.50 ug/L
RT: 8.505 min Scan# 2618
Delta R.T. -0.000 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion:126 Resp: 25666

Ion	Ratio	Lower	Upper
126	100		
128	34.8	1.1	61.1

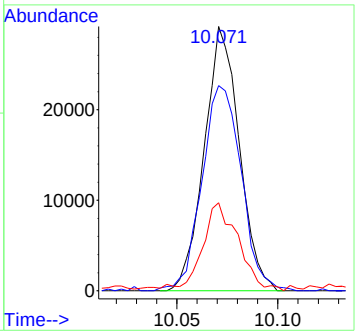




#123
2-methylnaphthalene
Concen: 3.79 ug/L
RT: 10.071 min Scan# 3105
Delta R.T. -0.000 min
Lab File: 2K23805.D
Acq: 6 Sep 2025 12:15 am

Tgt Ion:142 Resp: 35148

Ion	Ratio	Lower	Upper
142	100		
141	76.5	54.5	114.5
115	33.3	3.3	63.3



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 2K23807.D
Acq On : 6 Sep 2025 12:49 am
Operator : PrashanS
Sample : IC658-20
Misc : MS95614,V2K658,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 08 13:00:41 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 12:59:33 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	3.502	65	759929	500.00	ug/L	0.00
5) pentafluorobenzene	4.811	168	736227	50.00	ug/L	0.00
50) 1,4-difluorobenzene	5.171	114	1164977	50.00	ug/L	0.00
72) chlorobenzene-d5	7.110	117	975328	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	8.376	152	480965	50.00	ug/L	0.00
124) pentafluorobenzene(a)	4.811	168	736227	50.00	ug/L	0.00
128) 1,4-dichlorobenzene-d4(a)	8.376	152	480965	50.00	ug/L	0.00
System Monitoring Compounds						
42) dibromofluoromethane (s)	4.528	113	319816	51.05	ug/L	0.00
Spiked Amount 50.000	Range 75 - 127		Recovery = 102.10%			
51) 1,2-dichloroethane-d4 (s)	4.881	65	423471	50.37	ug/L	0.00
Spiked Amount 50.000	Range 75 - 130		Recovery = 100.74%			
73) toluene-d8 (s)	6.122	98	1331945	49.85	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.70%			
97) 4-bromofluorobenzene (s)	7.791	95	509968	50.79	ug/L	0.00
Spiked Amount 50.000	Range 79 - 127		Recovery = 101.58%			
Target Compounds						Qvalue
2) ethanol	2.830	45	384167	1932.9891	ug/L	97
3) tertiary butyl alcohol	3.557	59	162727	91.8013	ug/L	100
4) 1,4-dioxane	5.679	88	61490	483.2672	ug/L	95
6) chlorodifluoromethane	1.766	51	197526	19.4022	ug/L	98
7) dichlorodifluoromethane	1.727	85	141151	18.9537	ug/L	97
8) chloromethane	1.910	50	164035	18.8939	ug/L	97
9) vinyl chloride	1.978	62	134935	19.0567	ug/L	98
10) 1,3-butadiene	1.991	39	133868	18.4575	ug/L	99
11) bromomethane	2.258	96	42114	18.8318	ug/L #	89
12) chloroethane	2.367	64	74144	20.3761	ug/L	99
13) trichlorofluoromethane	2.486	101	187636	19.1763	ug/L	98
14) ethyl ether	2.730	74	66891	19.1224	ug/L	95
15) acrolein	3.152	56	38106	20.6331	ug/L	94
16) freon 113	2.923	151	80409	18.3720	ug/L	98
17) 1,1-dichloroethene	2.907	61	172622	18.8244	ug/L	98
18) acetone	3.357	58	81628	71.1956	ug/L	87
19) acetonitrile	3.701	41	338580	196.5812	ug/L	99
20) iodomethane	3.026	142	100387	22.8123	ug/L	99
21) carbon disulfide	2.946	76	292665	18.8885	ug/L	98
22) methylene chloride	3.341	84	103021	19.1579	ug/L	95
23) methyl acetate	3.444	74	29784	19.4602	ug/L	99
24) methyl tert butyl ether	3.515	73	349128	18.6452	ug/L	96
25) trans-1,2-dichloroethene	3.454	96	100709	18.5665	ug/L	97
26) hexane	3.505	57	275876	18.9441	ug/L	94
27) di-isopropyl ether	3.766	45	460407	19.2153	ug/L	99
28) ethyl tert-butyl ether	4.016	59	412894	19.4362	ug/L	98
29) 2-butanone	4.595	72	91824	77.5231	ug/L #	79
30) 1,1-dichloroethane	3.881	63	208914	18.7706	ug/L	98
31) chloroprene	3.865	53	234424	19.6132	ug/L	98
32) acrylonitrile	3.910	52	69419	19.7819	ug/L	95
33) vinyl acetate	4.023	86	32259	22.2385	ug/L	97
34) ethyl acetate	4.457	70	18827	18.5925	ug/L	95
35) 2,2-dichloropropane	4.315	77	165055	18.3604	ug/L	95
36) cis-1,2-dichloroethene	4.238	96	106799	18.5217	ug/L	97
37) propionitrile	4.801	54	370780	194.9096	ug/L	96
38) methyl acrylate	4.476	85	25525	19.5250	ug/L	100
39) bromochloromethane	4.377	128	48289	19.2991	ug/L	95
40) tetrahydrofuran	4.521	71	24615	19.5396	ug/L	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 2K23807.D
Acq On : 6 Sep 2025 12:49 am
Operator : PrashanS
Sample : IC658-20
Misc : MS95614,V2K658,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 08 13:00:41 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 12:59:33 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) chloroform	4.409	83	191013	17.7401 ug/L	97
43) methacrylonitrile	4.811	67	69811	17.9034 ug/L	98
44) 1,1,1-trichloroethane	4.563	97	164334	18.1767 ug/L	97
45) cyclohexane	4.386	84	154580	19.5861 ug/L	94
46) 1,1-dichloropropene	4.637	75	151738	19.7583 ug/L	97
47) carbon tetrachloride	4.518	117	148991	17.9559 ug/L	97
49) tert-amyl alcohol	4.946	55	57272	92.5227 ug/L	94
52) iso-octane	4.695	57	434025	19.4700 ug/L	96
53) benzene	4.801	78	415043	18.6090 ug/L	98
54) tert-amyl methyl ether	4.843	73	356102	18.6880 ug/L	99
55) heptane	4.746	57	63471	19.5197 ug/L	96
56) isopropyl acetate	5.036	87	36293	20.3542 ug/L #	93
57) 1,2-dichloroethane	4.926	62	167934	18.1554 ug/L	98
58) n-butyl alcohol	5.315	56	500850	1014.7293 ug/L	99
59) ethyl acrylate	5.476	55	239025	19.7967 ug/L	99
60) trichloroethene	5.168	130	103676	19.3362 ug/L	93
61) 2-nitropropane	6.312	41	60973	18.2345 ug/L	99
62) 2-chloroethyl vinyl ether	5.923	63	434164	109.7509 ug/L	98
63) methyl methacrylate	5.621	100	40690	19.5176 ug/L	98
64) 1,2-dichloropropane	5.515	63	118082	18.9193 ug/L	97
65) methylcyclohexane	5.171	98	75562	19.2231 ug/L	90
66) dibromomethane	5.450	93	65628	18.8020 ug/L	93
67) bromodichloromethane	5.547	83	145389	19.5212 ug/L	89
68) epichlorohydrin	6.155	57	137318	98.4126 ug/L	99
69) cis-1,3-dichloropropene	5.991	75	182820	19.3194 ug/L	98
70) 4-methyl-2-pentanone	6.386	58	322655	79.9192 ug/L	98
71) 3-methyl-1-butanol	6.216	70	150824	391.7021 ug/L	97
74) toluene	6.158	92	261590	18.4143 ug/L	98
75) ethyl methacrylate	6.492	69	171582	19.6370 ug/L	98
76) trans-1,3-dichloropropene	6.422	75	181527	19.6525 ug/L	93
77) 1,1,2-trichloroethane	6.531	83	81913	19.1615 ug/L	97
78) tetrachloroethene	6.422	166	103822	19.2618 ug/L	91
79) 2-hexanone	6.907	58	347642	78.5203 ug/L	98
80) 1,3-dichloropropane	6.711	76	183023	19.8141 ug/L	95
81) butyl acetate	6.833	56	127828	19.8357 ug/L	95
82) dibromochloromethane	6.653	129	108298	19.8102 ug/L	98
83) 1,2-dibromoethane	6.817	107	102876	20.1564 ug/L	99
84) n-butyl ether	7.013	57	574843	19.6102 ug/L	99
85) chlorobenzene	7.119	112	284428	19.3822 ug/L	96
86) 1,1,1,2-tetrachloroethane	7.151	131	103090	20.0727 ug/L	98
87) ethylbenzene	7.122	91	502732	18.4147 ug/L	99
88) m,p-xylene	7.203	106	381287	38.8459 ug/L	99
89) o-xylene	7.454	106	186881	19.5084 ug/L	97
90) styrene	7.483	104	321594	19.9541 ug/L	96
91) bromoform	7.515	173	85126	19.2808 ug/L	99
92) butyl acrylate	7.521	55	324155	19.6245 ug/L	99
93) isopropylbenzene	7.624	105	465588	19.7173 ug/L	99
94) n-amyl acetate	7.663	70	107750	20.5437 ug/L	94
95) cis-1,4-dichloro-2-butene	7.814	88	90448	25.1517 ug/L	96
98) bromobenzene	7.856	156	119659	19.2604 ug/L	97
99) 1,1,2,2-tetrachloroethane	7.884	83	152015	18.9719 ug/L	99
100) trans-1,4-dichloro-2-b...	7.978	53	68560	18.3118 ug/L	98
101) 1,2,3-trichloropropane	7.968	110	51827	19.0061 ug/L	96
102) n-propylbenzene	7.849	91	543372	19.3597 ug/L	100
103) 2-chlorotoluene	7.946	126	110180	18.9147 ug/L	99
104) 4-chlorotoluene	8.032	91	347154	18.6668 ug/L	99
105) 1,3,5-trimethylbenzene	7.946	105	365072	18.8820 ug/L	100
106) tert-butylbenzene	8.119	119	307019	18.4305 ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 2K23807.D
Acq On : 6 Sep 2025 12:49 am
Operator : PrashanS
Sample : IC658-20
Misc : MS95614,V2K658,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 08 13:00:41 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 12:59:33 2025
Response via : Initial Calibration

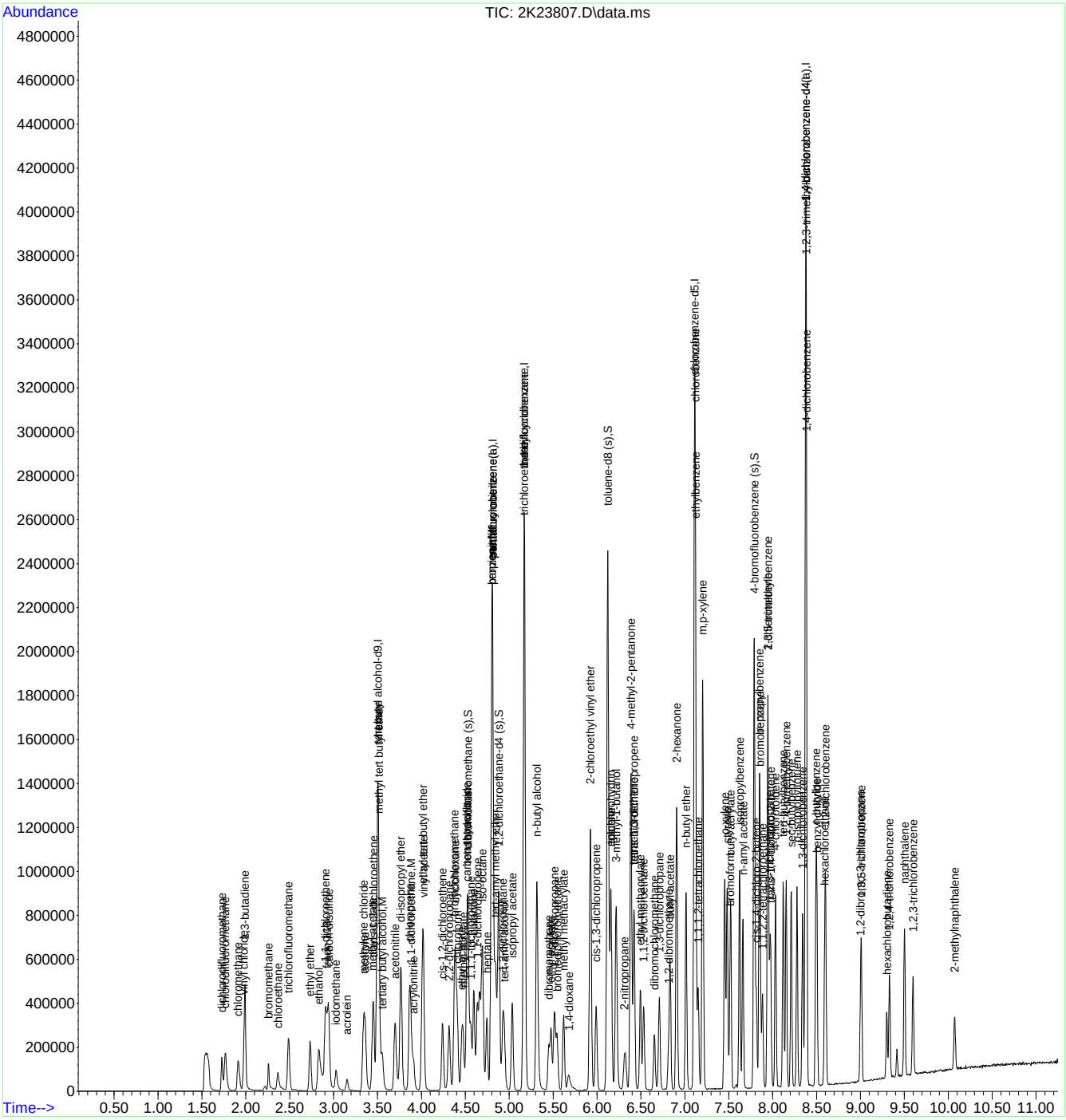
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
107) 1,2,4-trimethylbenzene	8.155	105	359603	18.8228	ug/L	98
108) sec-butylbenzene	8.212	105	422043	19.5288	ug/L	100
109) 1,3-dichlorobenzene	8.341	146	215987	18.8380	ug/L	94
110) p-isopropyltoluene	8.277	119	354950	18.5881	ug/L	98
111) 1,4-dichlorobenzene	8.386	146	220812	19.3638	ug/L	97
112) 1,2-dichlorobenzene	8.601	146	208753	19.1400	ug/L	98
113) 1,2,3-trimethylbenzene	8.383	105	376757	18.7483	ug/L	95
114) n-butylbenzene	8.492	92	185107	19.7348	ug/L	95
115) 1,2-dibromo-3-chloropr...	9.000	157	46726	18.6876	ug/L	95
116) 1,3,5-trichlorobenzene	9.010	180	115049	18.2463	ug/L	99
117) 1,2,4-trichlorobenzene	9.328	180	105659	19.3148	ug/L	93
118) hexachlorobutadiene	9.302	225	37920	18.6263	ug/L	90
119) naphthalene	9.502	128	371805	18.8729	ug/L	98
120) 1,2,3-trichlorobenzene	9.598	180	99334	18.9741	ug/L	95
121) hexachloroethane	8.592	119	65486	18.6738	ug/L	90
122) benzyl chloride	8.505	126	68183	18.6833	ug/L	94
123) 2-methylnaphthalene	10.071	142	93762	9.4560	ug/L	98

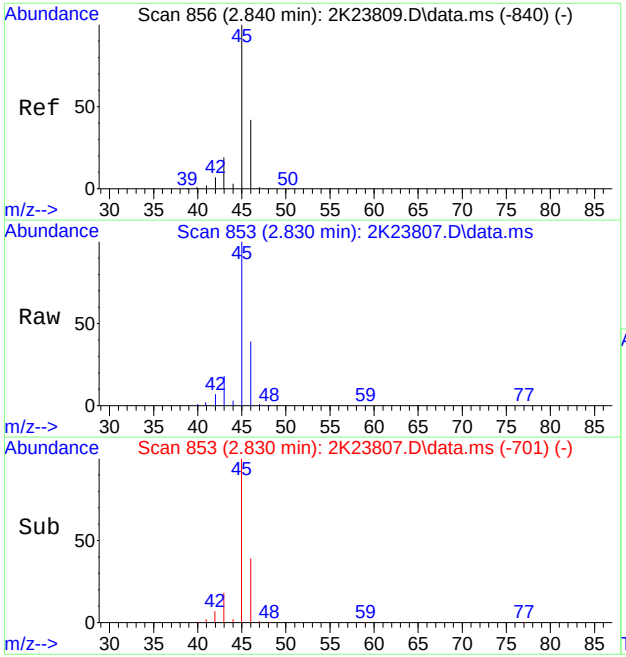
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 2K23807.D
Acq On : 6 Sep 2025 12:49 am
Operator : PrashanS
Sample : IC658-20
Misc : MS95614,V2K658,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 08 13:00:41 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 12:59:33 2025
Response via : Initial Calibration

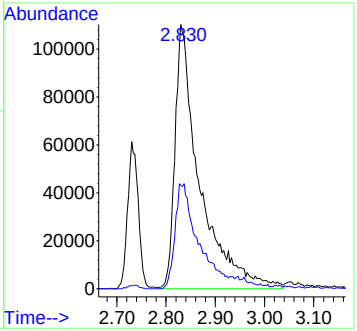


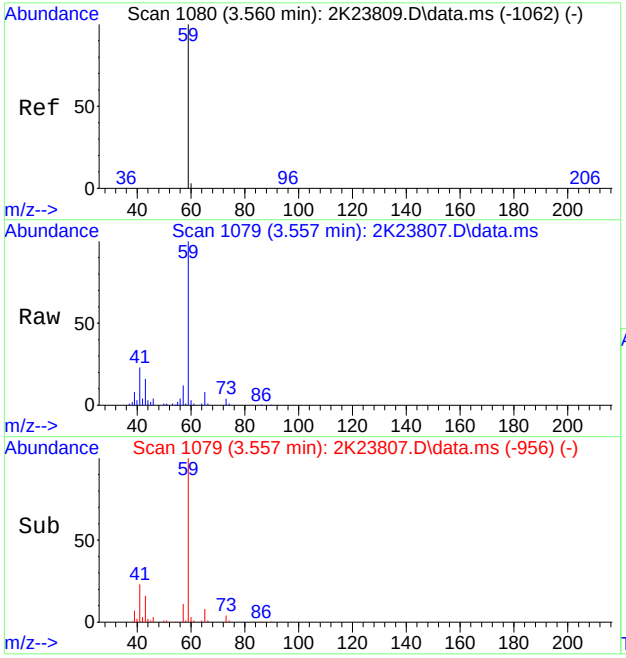


#2
ethanol
Concen: 1932.99 ug/L
RT: 2.830 min Scan# 853
Delta R.T. -0.010 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 45 Resp: 384167

Ion	Ratio	Lower	Upper
45	100		
46	39.3	21.3	61.3

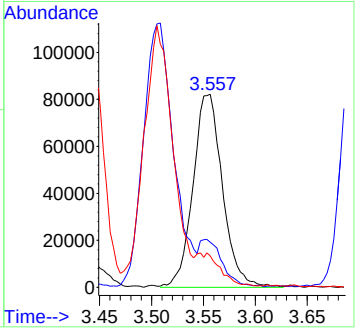


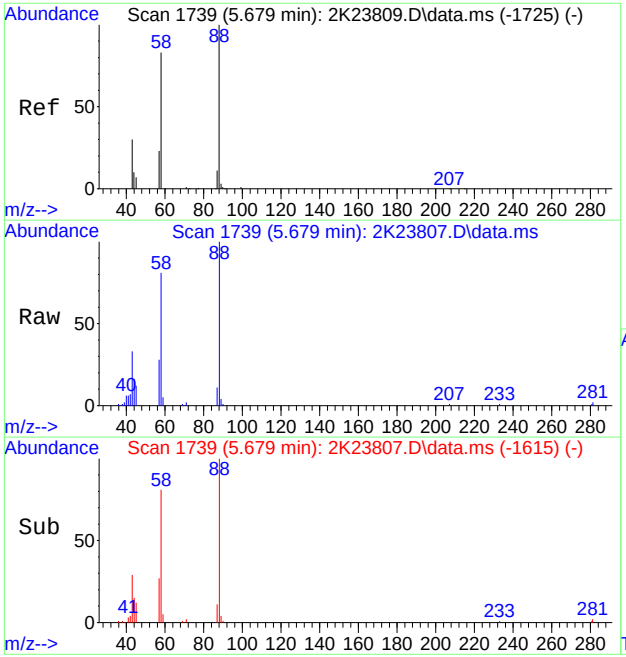


#3
tertiary butyl alcohol
Concen: 91.80 ug/L
RT: 3.557 min Scan# 1079
Delta R.T. -0.003 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 59 Resp: 162727

Ion	Ratio	Lower	Upper
59	100		
41	22.7	0.0	30.0
43	15.6	0.0	45.5

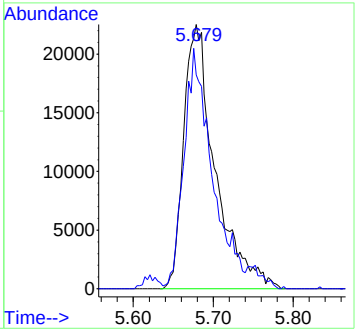


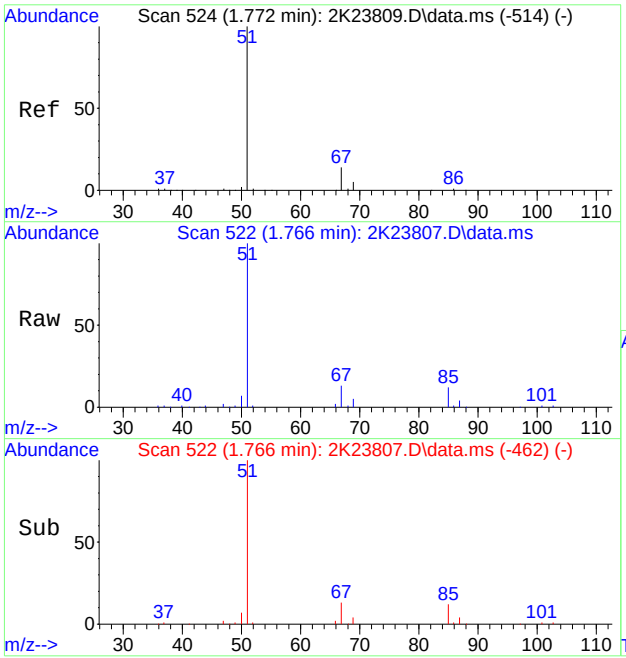


#4
1,4-dioxane
Concen: 483.27 ug/L
RT: 5.679 min Scan# 1739
Delta R.T. -0.000 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 88 Resp: 61490

Ion	Ratio	Lower	Upper
88	100		
58	80.1	64.5	104.5

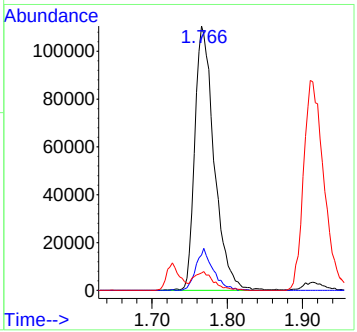


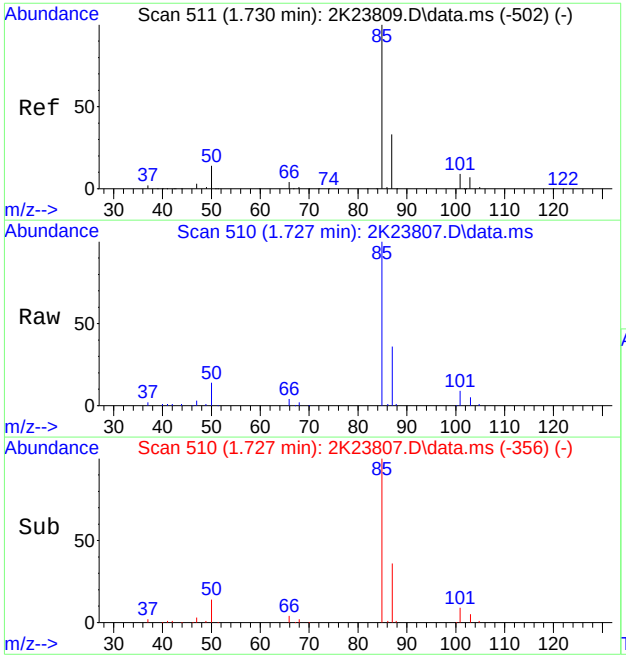


#6
chlorodifluoromethane
Concen: 19.40 ug/L
RT: 1.766 min Scan# 522
Delta R.T. -0.006 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 51 Resp: 197526

Ion	Ratio	Lower	Upper
51	100		
67	13.4	0.0	44.0
50	6.6	0.0	37.4

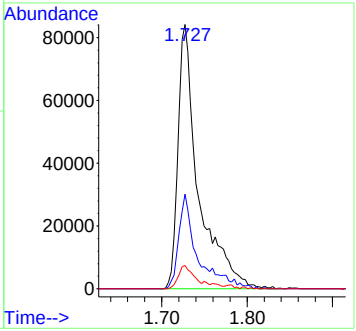


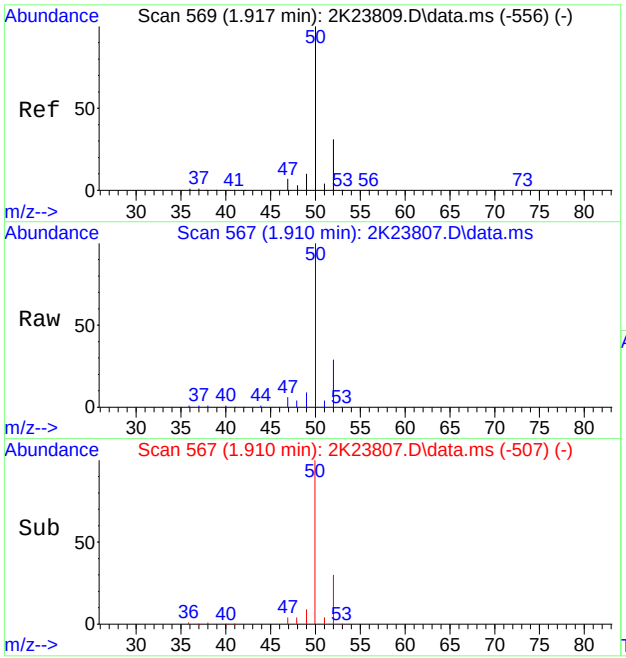


#7
dichlorodifluoromethane
Concen: 18.95 ug/L
RT: 1.727 min Scan# 510
Delta R.T. -0.003 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 85 Resp: 141151

Ion	Ratio	Lower	Upper
85	100		
87	35.9	3.4	63.4
101	8.9	0.0	39.0

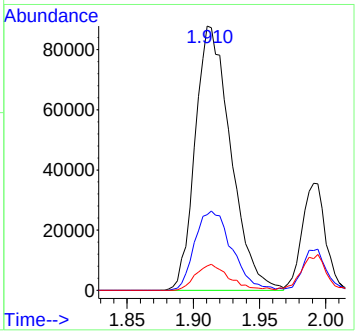


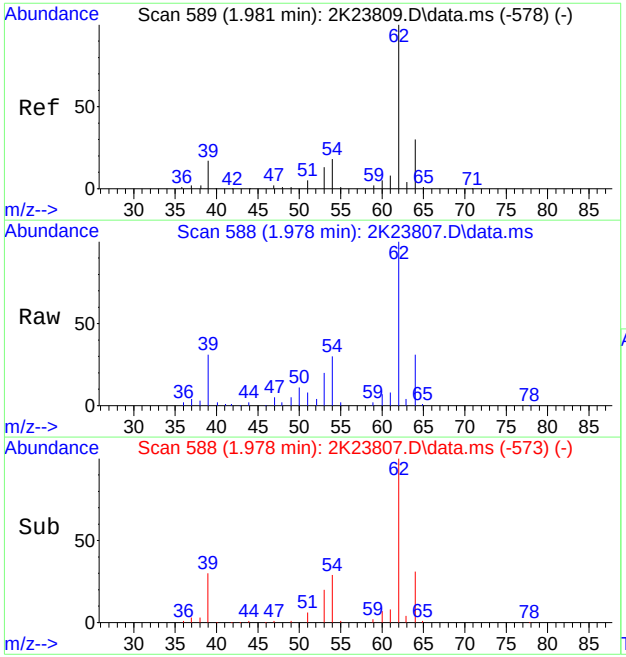


#8
chloromethane
Concen: 18.89 ug/L
RT: 1.910 min Scan# 567
Delta R.T. -0.006 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 50 Resp: 164035

Ion	Ratio	Lower	Upper
50	100		
52	28.7	0.8	60.8
49	9.3	0.0	40.1

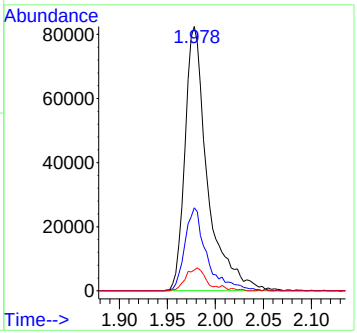


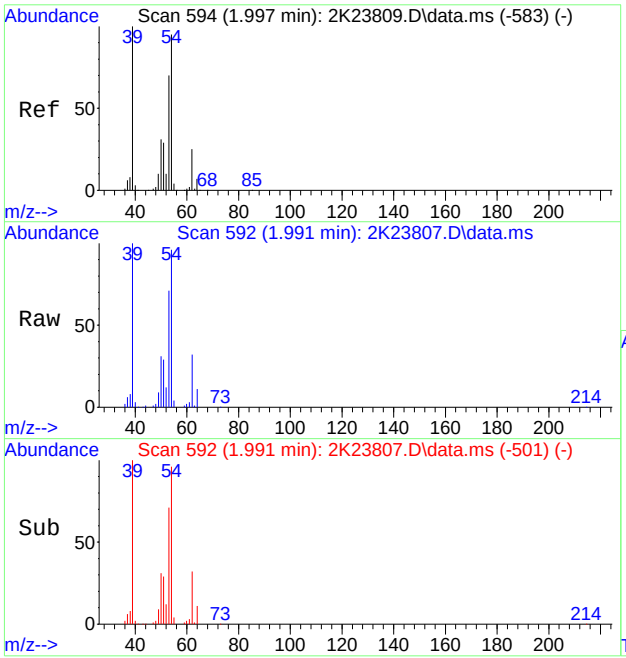


#9
vinyl chloride
Concen: 19.06 ug/L
RT: 1.978 min Scan# 588
Delta R.T. -0.003 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 62 Resp: 134935

Ion	Ratio	Lower	Upper
62	100		
64	31.4	0.0	60.0
61	7.9	0.0	37.6

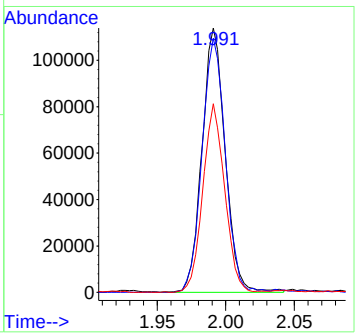


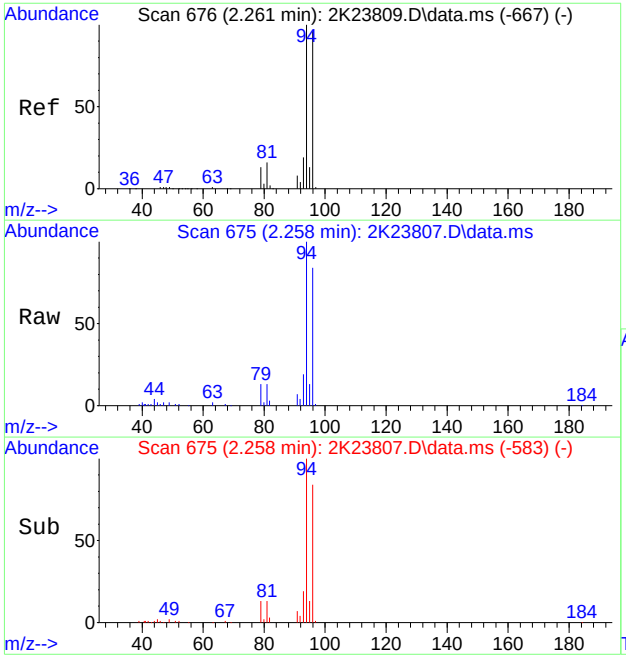


#10
1,3-butadiene
Concen: 18.46 ug/L
RT: 1.991 min Scan# 592
Delta R.T. -0.006 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 39 Resp: 133868

Ion	Ratio	Lower	Upper
39	100		
54	96.1	65.4	125.4
53	71.3	40.3	100.3

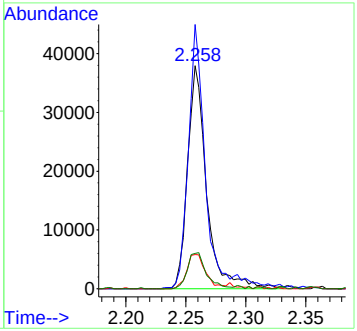


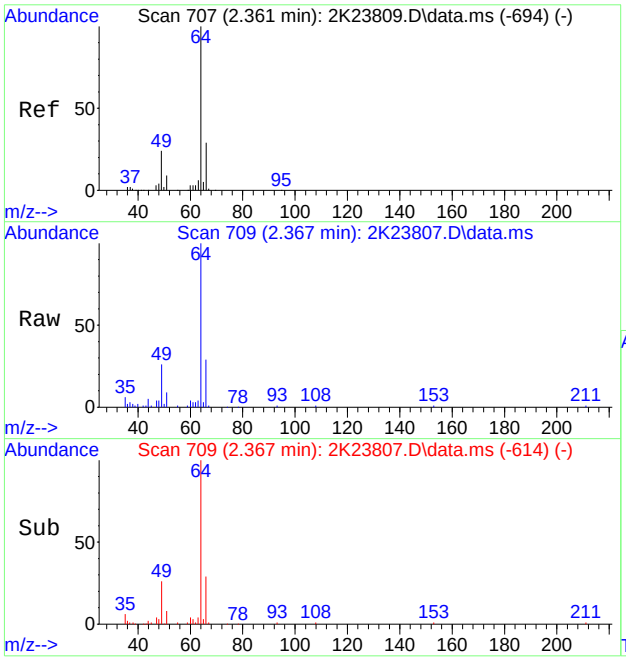


#11
bromomethane
Concen: 18.83 ug/L
RT: 2.258 min Scan# 675
Delta R.T. -0.003 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 96 Resp: 42114

Ion	Ratio	Lower	Upper
96	100		
94	118.5	74.5	134.5
79	15.4	13.7	13.7#
81	15.9	0.0	36.3

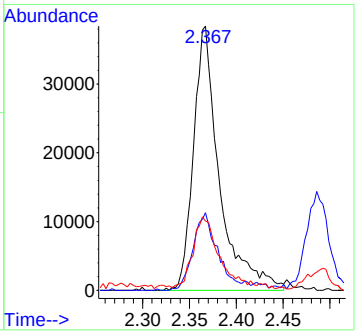


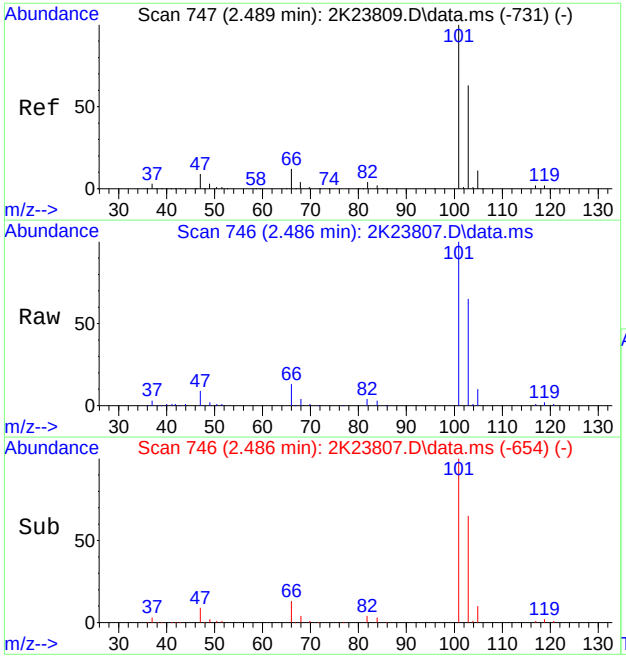


#12
chloroethane
Concen: 20.38 ug/L
RT: 2.367 min Scan# 709
Delta R.T. 0.006 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 64 Resp: 74144

Ion	Ratio	Lower	Upper
64	100		
66	29.4	0.0	59.3
49	25.1	0.0	54.3

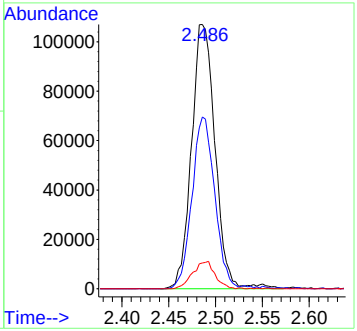


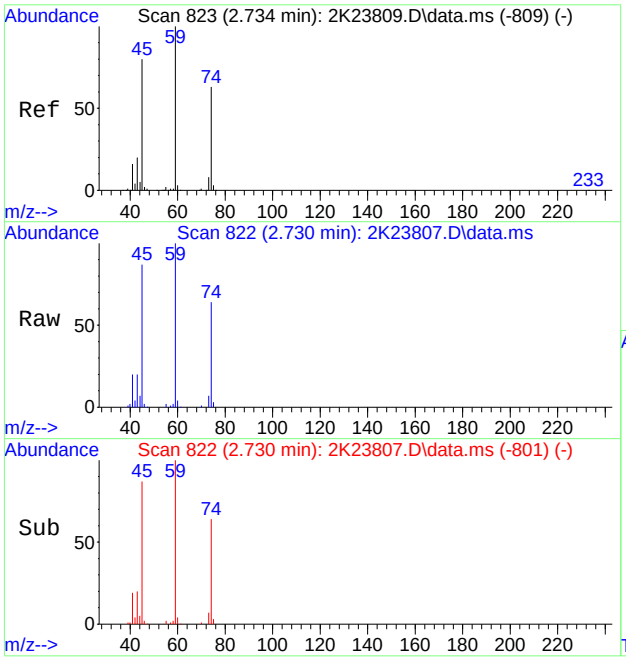


#13
trichlorofluoromethane
Concen: 19.18 ug/L
RT: 2.486 min Scan# 746
Delta R.T. -0.003 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion:101 Resp: 187636

Ion	Ratio	Lower	Upper
101	100		
103	65.0	33.3	93.3
105	9.8	0.0	40.7

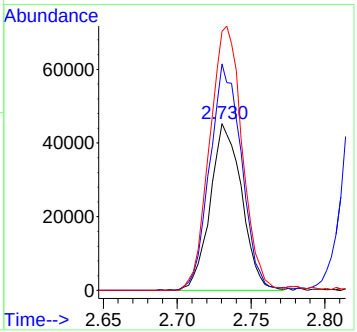


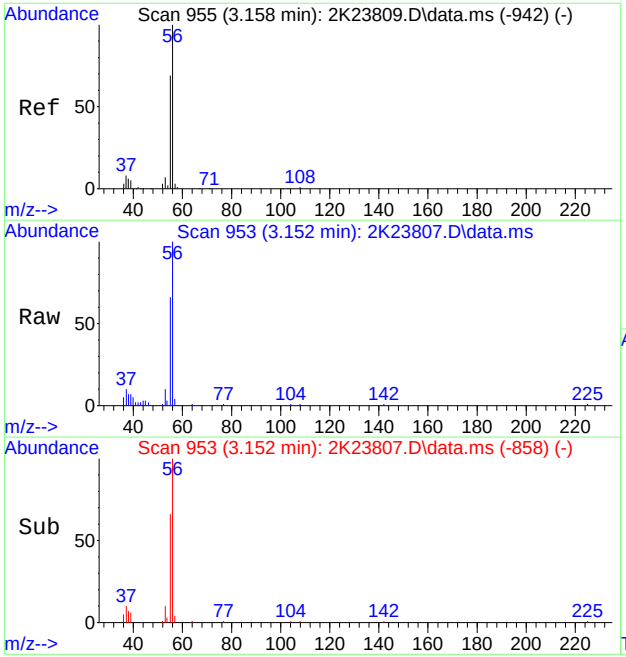


#14
ethyl ether
Concen: 19.12 ug/L
RT: 2.730 min Scan# 822
Delta R.T. -0.003 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 74 Resp: 66891

Ion	Ratio	Lower	Upper
74	100		
45	135.2	96.7	156.7
59	155.2	128.9	188.9

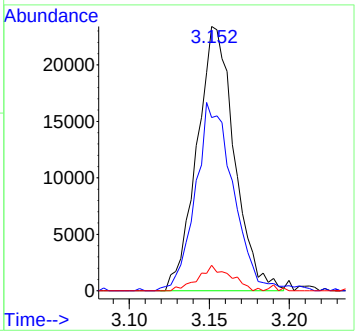


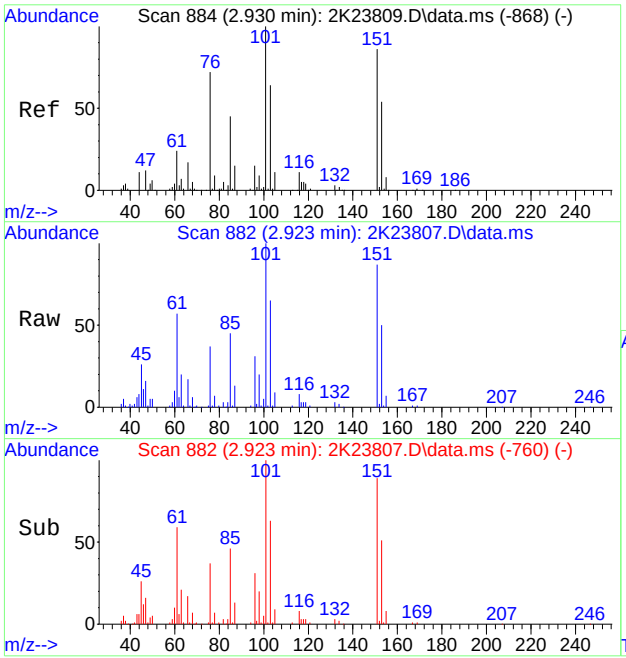


#15
acrolein
Concen: 20.63 ug/L
RT: 3.152 min Scan# 953
Delta R.T. -0.006 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 56 Resp: 38106

Ion	Ratio	Lower	Upper
56	100		
55	64.5	38.7	98.7
53	12.9	0.0	37.4

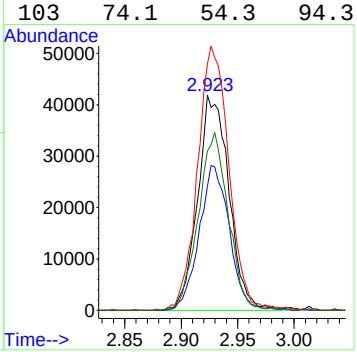


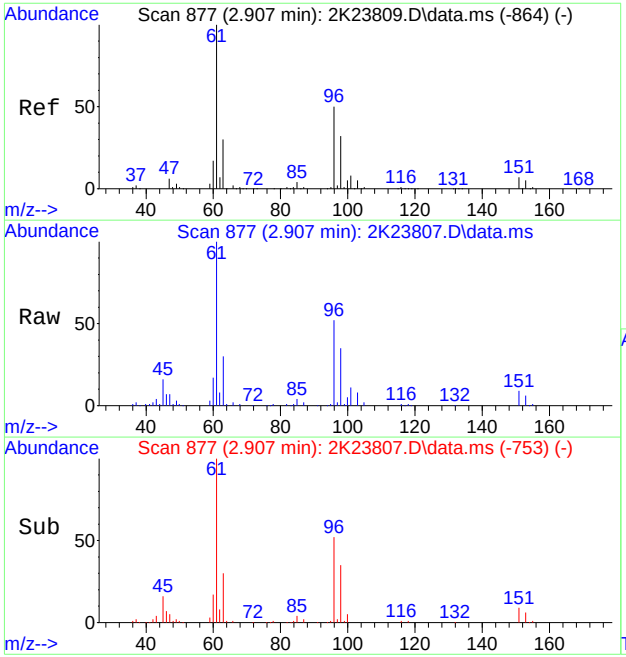


#16
freon 113
Concen: 18.37 ug/L
RT: 2.923 min Scan# 882
Delta R.T. -0.006 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion:151 Resp: 80409

Ion	Ratio	Lower	Upper
151	100		
153	57.7	43.0	83.0
101	114.5	95.9	135.9
103	74.1	54.3	94.3

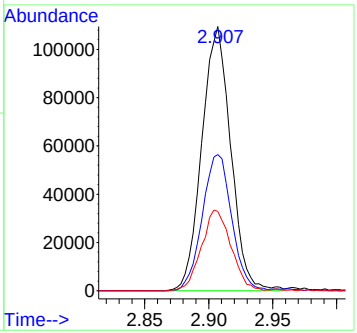


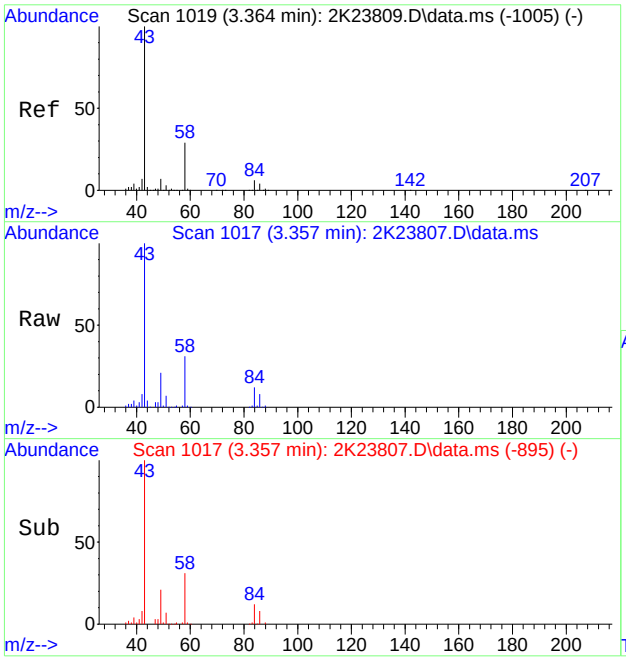


#17
1,1-dichloroethene
Concen: 18.82 ug/L
RT: 2.907 min Scan# 877
Delta R.T. -0.000 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 61 Resp: 172622

Ion	Ratio	Lower	Upper
61	100		
96	51.6	19.8	79.8
63	30.0	0.4	60.4

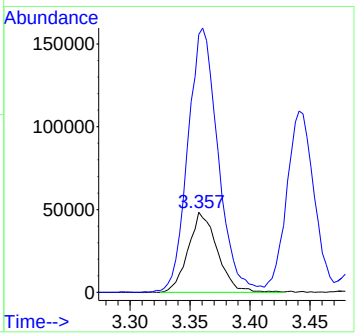


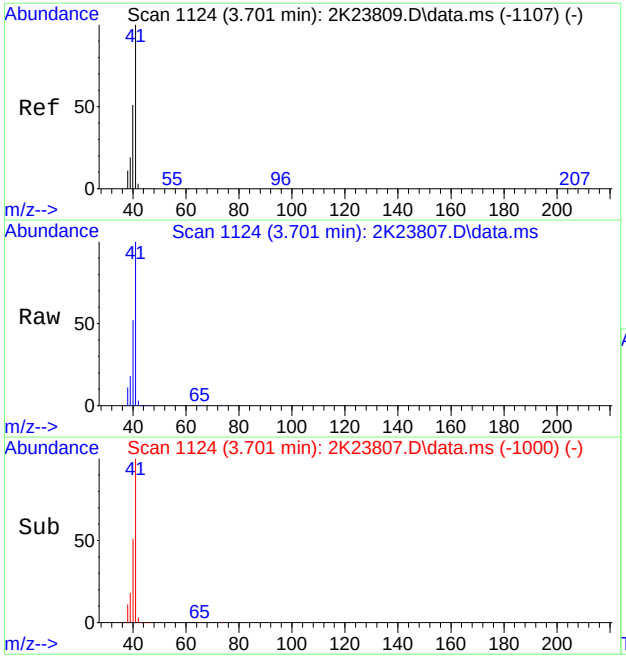


#18
acetone
Concen: 71.20 ug/L
RT: 3.357 min Scan# 1017
Delta R.T. -0.006 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 58 Resp: 81628

Ion	Ratio	Lower	Upper
58	100		
43	319.7	317.9	377.9

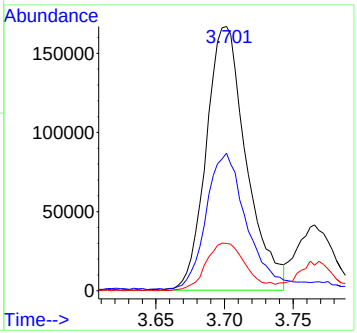


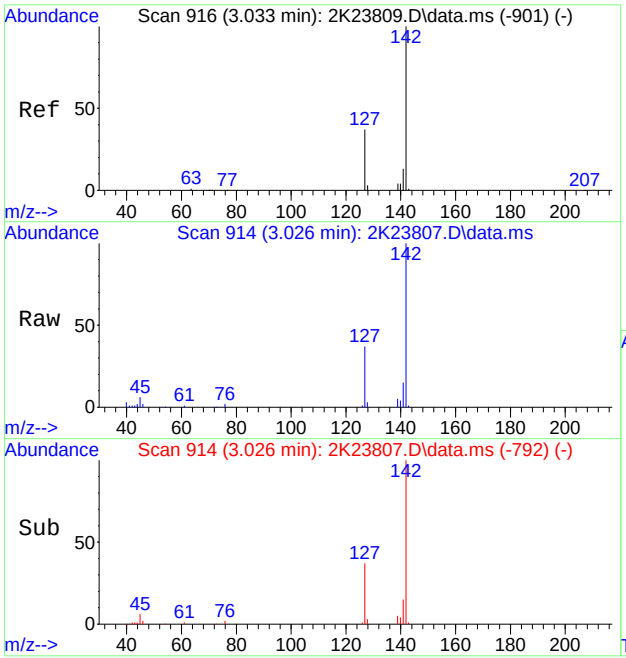


#19
acetonitrile
Concen: 196.58 ug/L
RT: 3.701 min Scan# 1124
Delta R.T. -0.000 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 41 Resp: 338580

Ion	Ratio	Lower	Upper
41	100		
40	51.3	20.7	80.7
39	17.7	0.0	48.9

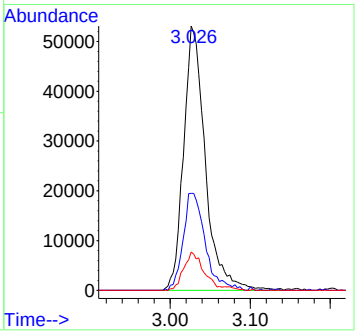


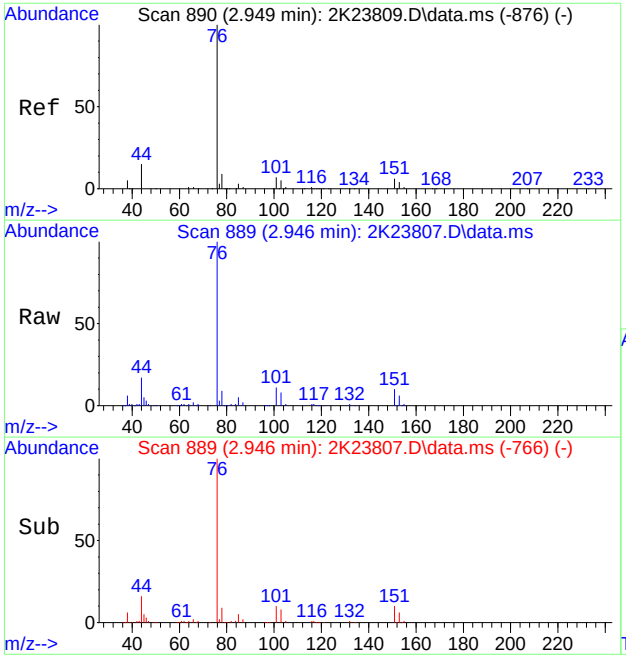


#20
iodomethane
Concen: 22.81 ug/L
RT: 3.026 min Scan# 914
Delta R.T. -0.006 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion:142 Resp: 100387

Ion	Ratio	Lower	Upper
142	100		
127	36.7	7.2	67.2
141	14.5	0.0	43.3

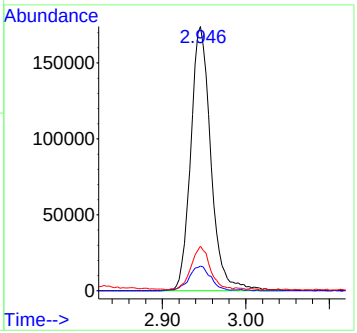


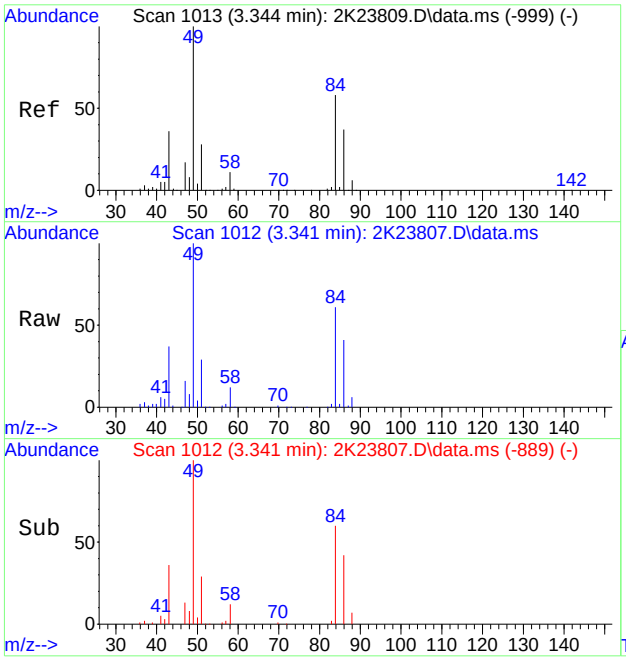


#21
carbon disulfide
Concen: 18.89 ug/L
RT: 2.946 min Scan# 889
Delta R.T. -0.003 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 76 Resp: 292665

Ion	Ratio	Lower	Upper
76	100		
78	9.4	0.0	39.4
44	16.3	0.0	44.9

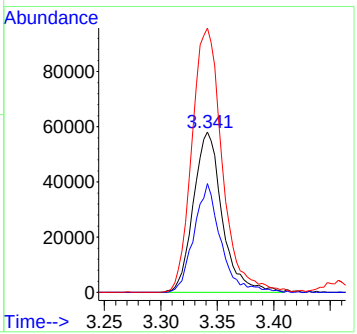


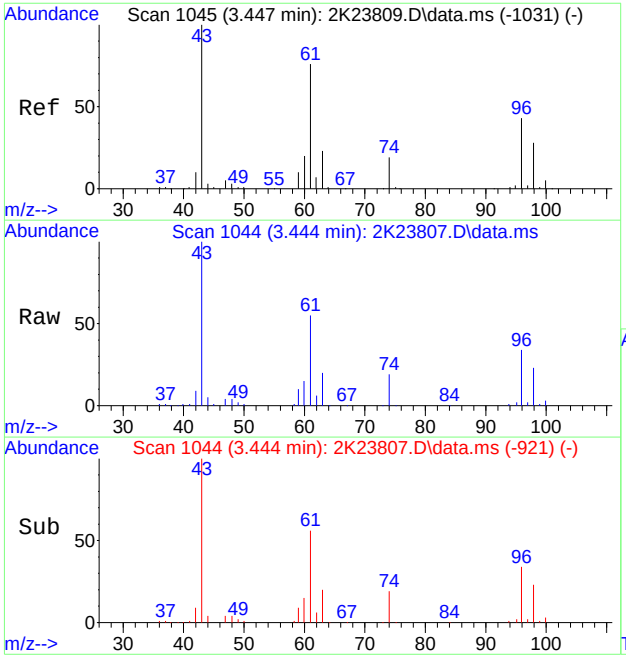


#22
methylene chloride
Concen: 19.16 ug/L
RT: 3.341 min Scan# 1012
Delta R.T. -0.003 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 84 Resp: 103021

Ion	Ratio	Lower	Upper
84	100		
86	67.9	33.4	93.4
49	164.8	141.9	201.9

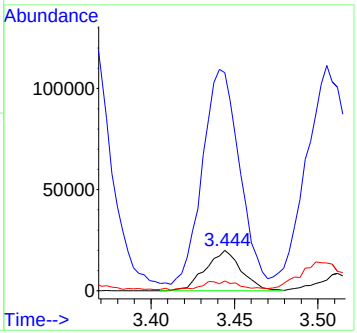


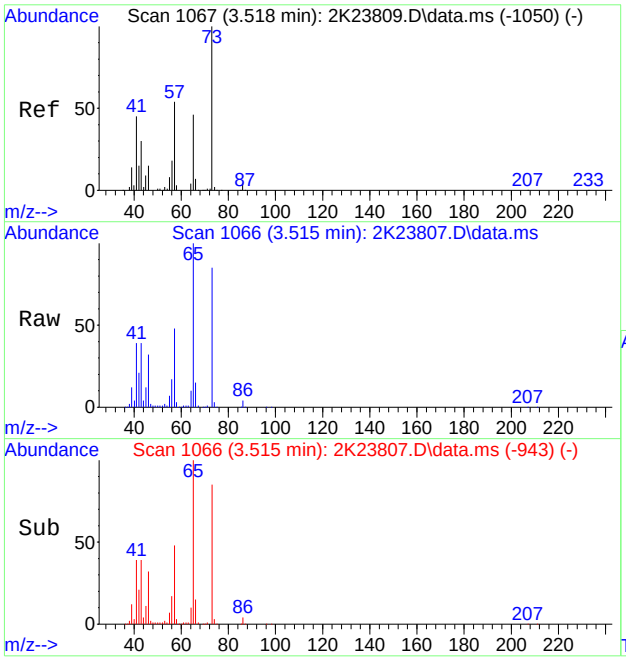


#23
methyl acetate
Concen: 19.46 ug/L
RT: 3.444 min Scan# 1044
Delta R.T. -0.003 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 74 Resp: 29784

Ion	Ratio	Lower	Upper
74	100		
43	519.7	492.7	552.7
44	20.6	0.0	46.4

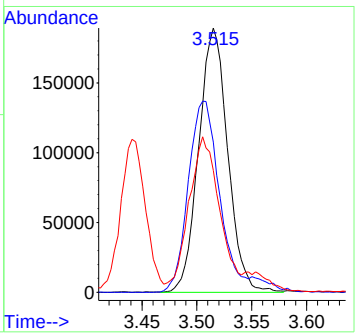


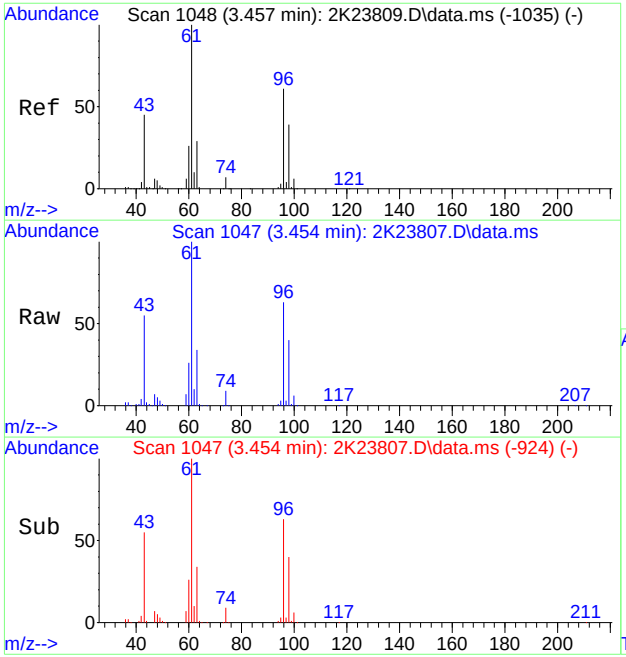


#24
methyl tert butyl ether
Concen: 18.65 ug/L
RT: 3.515 min Scan# 1066
Delta R.T. -0.003 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 73 Resp: 349128

Ion	Ratio	Lower	Upper
73	100		
57	56.7	23.8	83.8
43	44.8	11.7	71.7

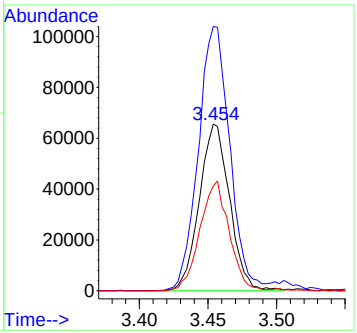


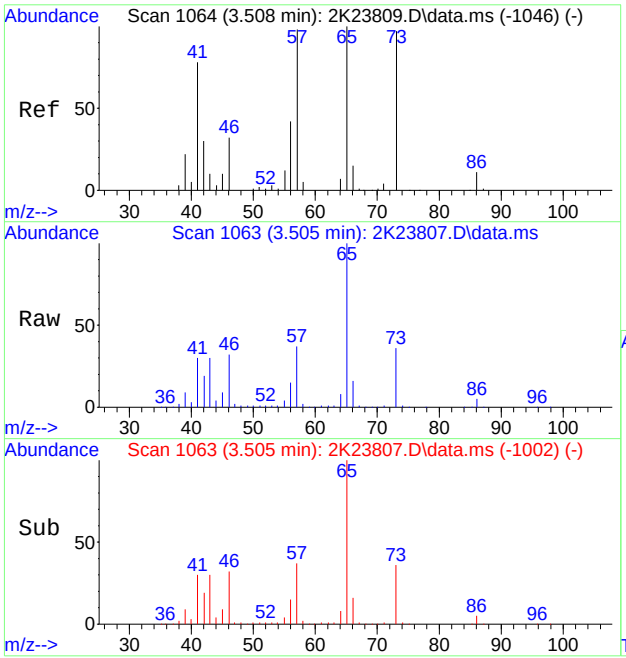


#25
trans-1,2-dichloroethene
Concen: 18.57 ug/L
RT: 3.454 min Scan# 1047
Delta R.T. -0.003 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 96 Resp: 100709

Ion	Ratio	Lower	Upper
96	100		
61	158.7	132.8	192.8
98	62.6	34.2	94.2

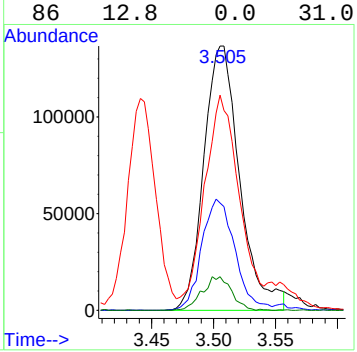


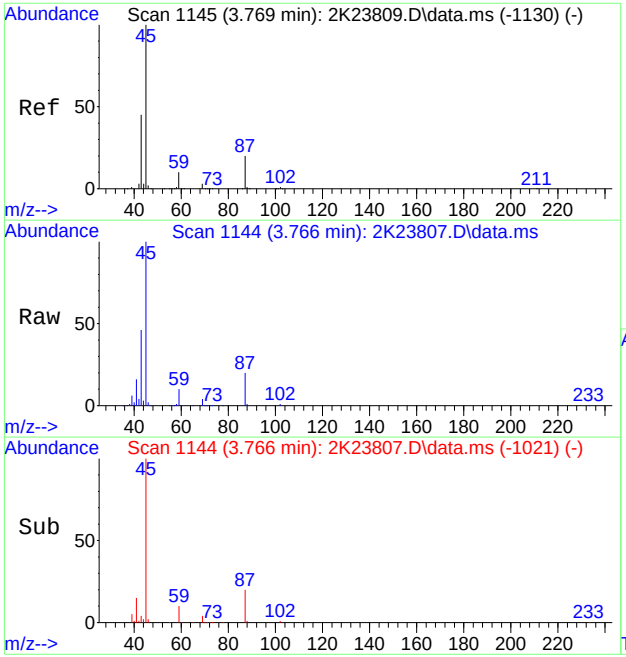


#26
hexane
Concen: 18.94 ug/L
RT: 3.505 min Scan# 1063
Delta R.T. -0.003 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 57 Resp: 275876

Ion	Ratio	Lower	Upper
57	100		
56	40.7	22.5	62.5
43	71.8	45.1	85.1
86	12.8	0.0	31.0

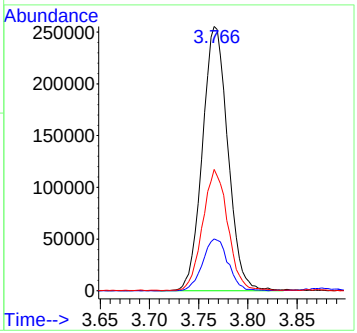


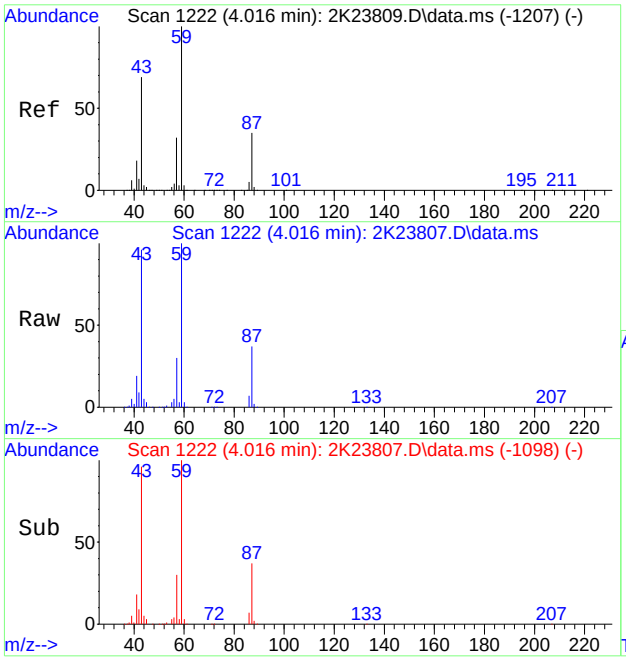


#27
di-isopropyl ether
Concen: 19.22 ug/L
RT: 3.766 min Scan# 1144
Delta R.T. -0.003 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 45 Resp: 460407

Ion	Ratio	Lower	Upper
45	100		
87	19.6	0.0	49.8
43	45.8	15.4	75.4

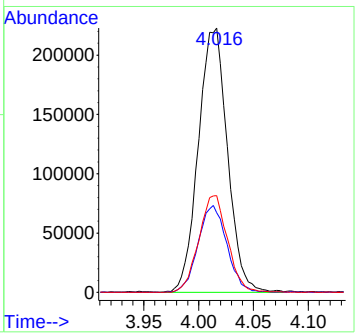


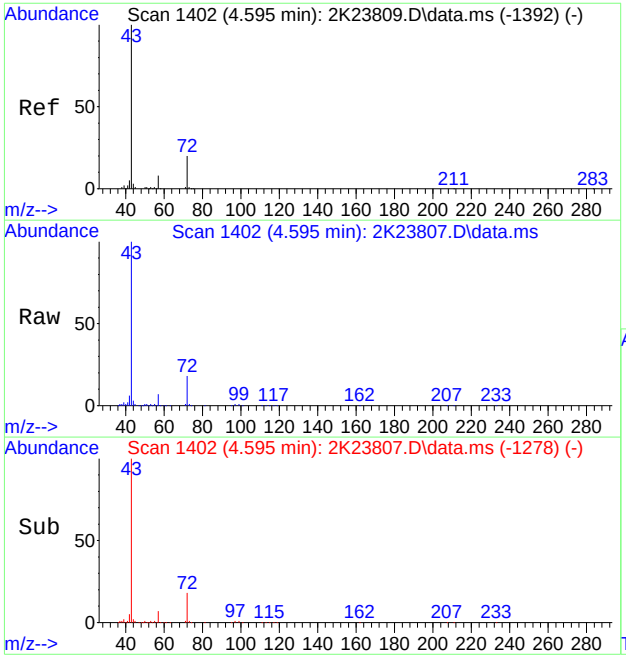


#28
ethyl tert-butyl ether
Concen: 19.44 ug/L
RT: 4.016 min Scan# 1222
Delta R.T. -0.000 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 59 Resp: 412894

Ion	Ratio	Lower	Upper
59	100		
57	30.1	1.6	61.6
87	36.6	5.2	65.2

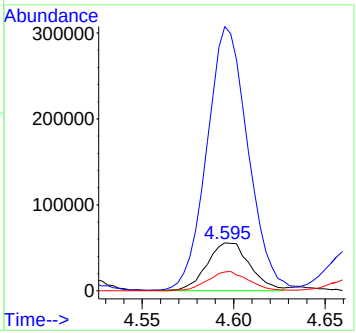


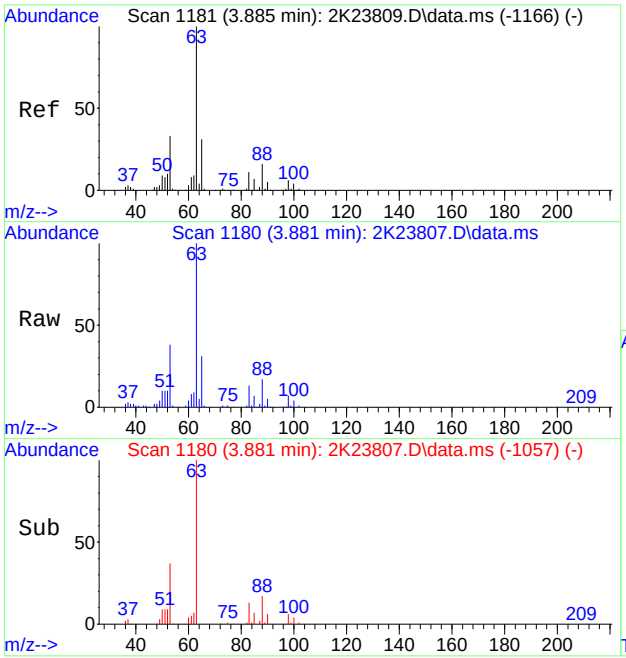


#29
2-butanone
Concen: 77.52 ug/L
RT: 4.595 min Scan# 1402
Delta R.T. -0.000 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 72 Resp: 91824

Ion	Ratio	Lower	Upper
72	100		
43	553.1	461.8	521.8#
57	39.6	7.0	67.0

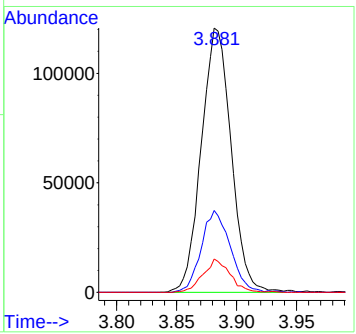


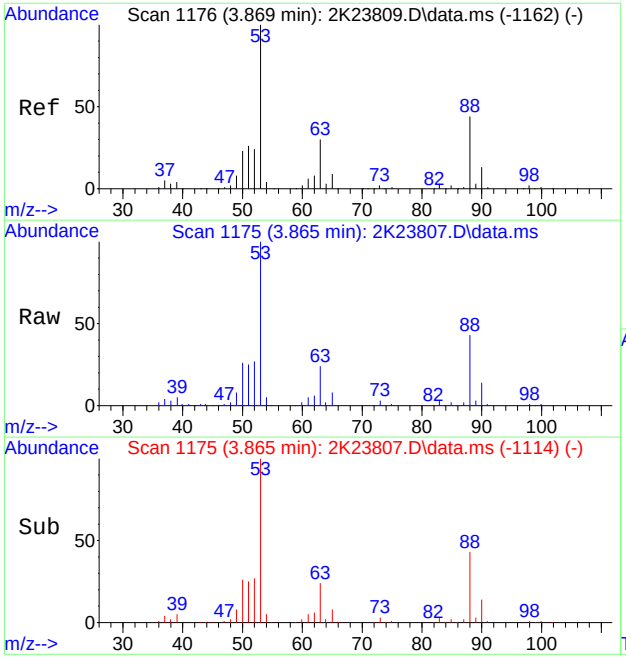


#30
1,1-dichloroethane
Concen: 18.77 ug/L
RT: 3.881 min Scan# 1180
Delta R.T. -0.003 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 63 Resp: 208914

Ion	Ratio	Lower	Upper
63	100		
65	31.0	0.5	60.5
83	12.6	0.0	41.0

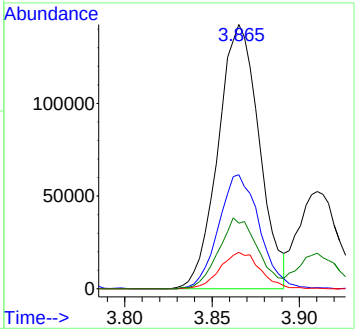


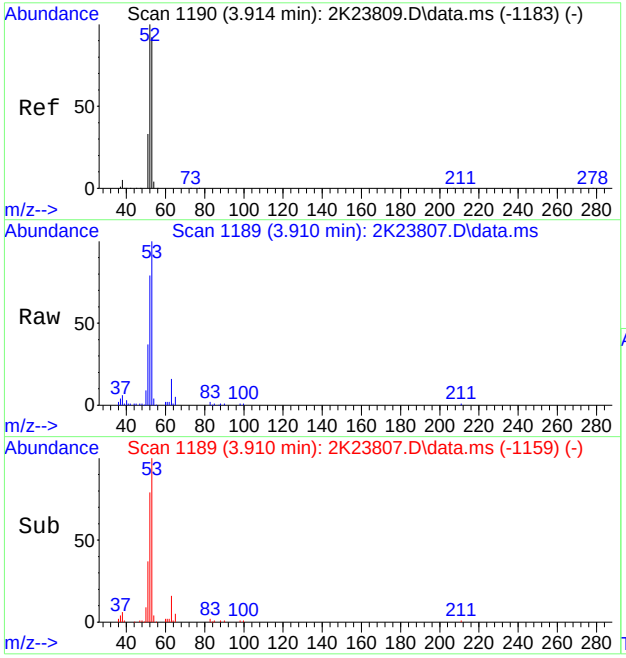


#31
chloroprene
Concen: 19.61 ug/L
RT: 3.865 min Scan# 1175
Delta R.T. -0.003 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 53 Resp: 234424

Ion	Ratio	Lower	Upper
53	100		
88	43.2	14.2	74.2
90	13.8	0.0	42.9
51	24.8	0.0	55.9

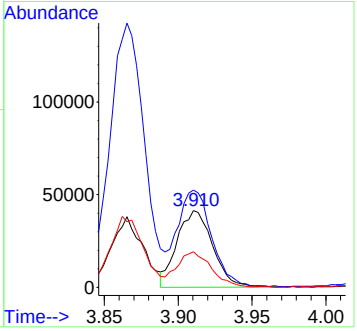


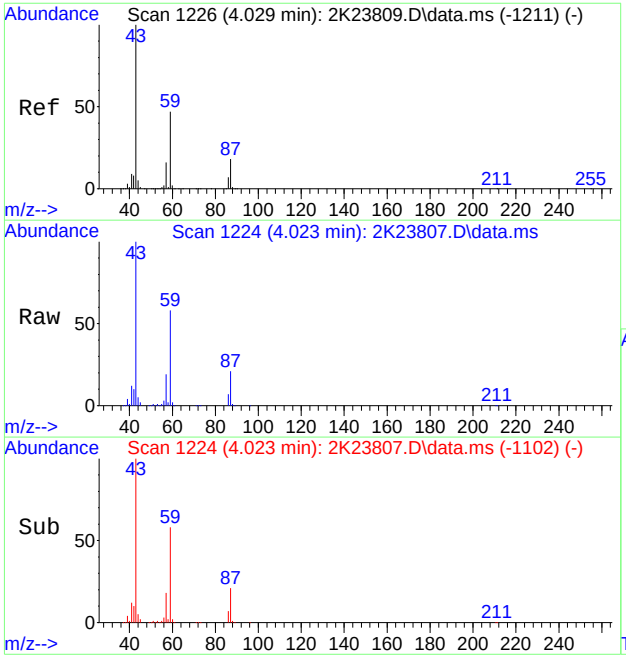


#32
acrylonitrile
Concen: 19.78 ug/L
RT: 3.910 min Scan# 1189
Delta R.T. -0.003 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 52 Resp: 69419

Ion	Ratio	Lower	Upper
52	100		
53	126.1	92.5	152.5
51	46.3	9.1	69.1

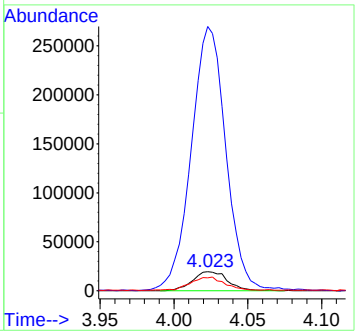


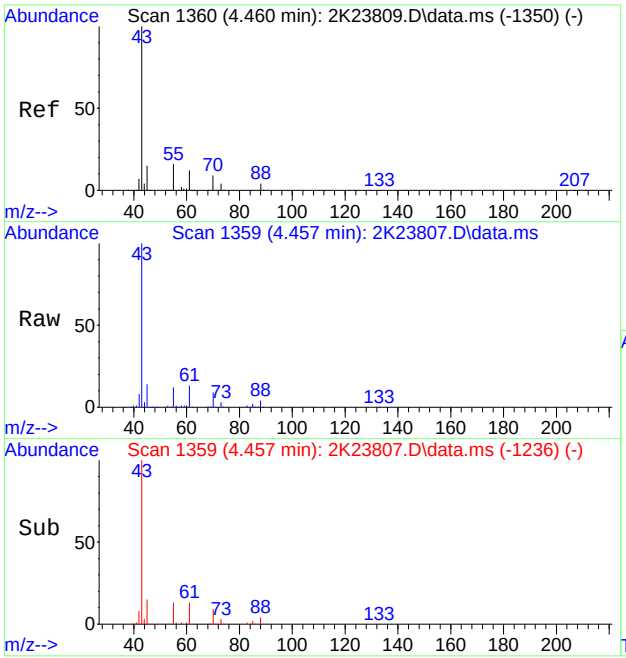


#33
vinyl acetate
Concen: 22.24 ug/L
RT: 4.023 min Scan# 1224
Delta R.T. -0.006 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 86 Resp: 32259

Ion	Ratio	Lower	Upper
86	100		
43	1366.8	1321.8	1381.8
44	64.1	32.5	92.5

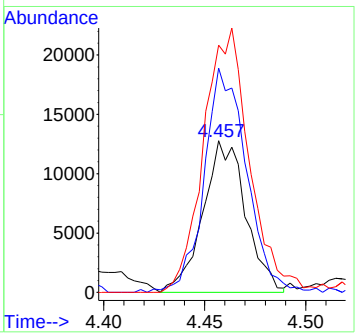


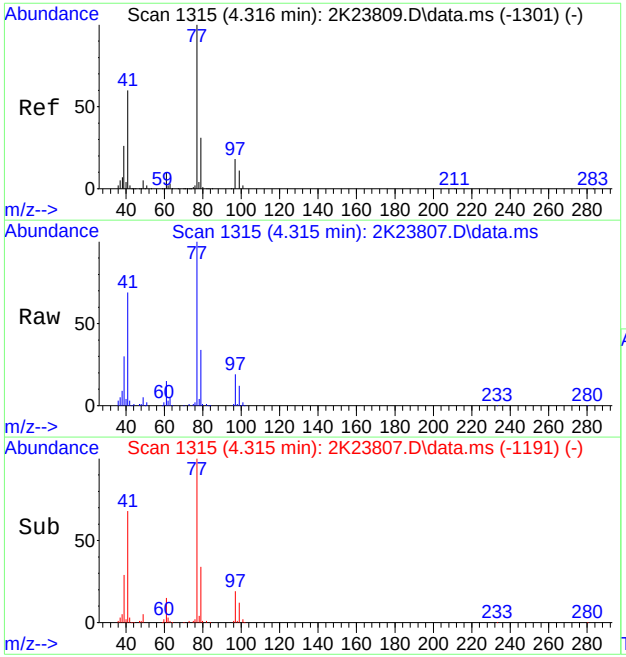


#34
ethyl acetate
Concen: 18.59 ug/L
RT: 4.457 min Scan# 1359
Delta R.T. -0.003 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 70 Resp: 18827

Ion	Ratio	Lower	Upper
70	100		
61	146.1	105.6	165.6
45	162.8	135.3	195.3

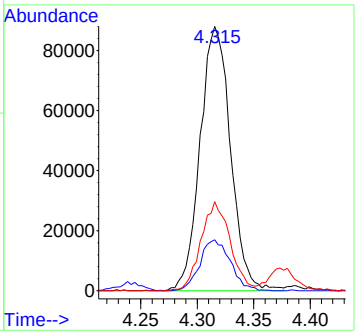


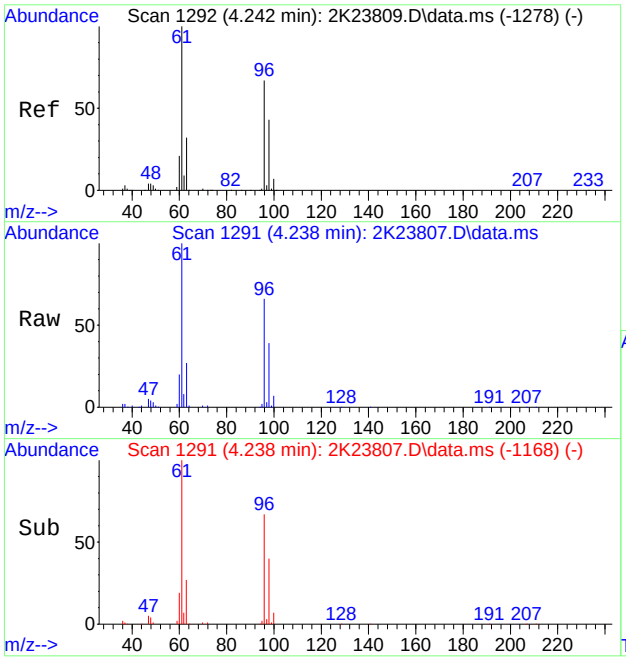


#35
2,2-dichloropropane
Concen: 18.36 ug/L
RT: 4.315 min Scan# 1315
Delta R.T. -0.000 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 77 Resp: 165055

Ion	Ratio	Lower	Upper
77	100		
97	19.4	0.0	47.7
79	33.8	0.6	60.6

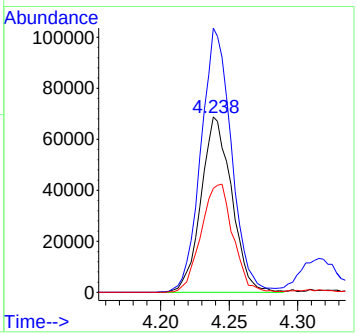


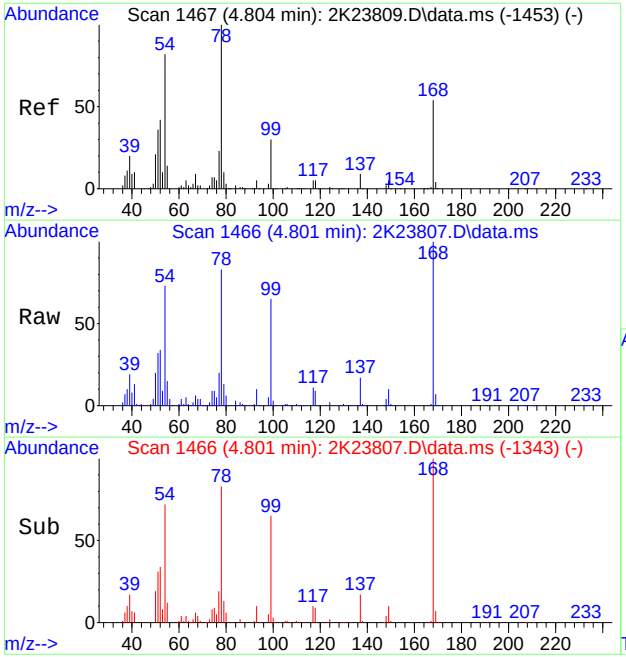


#36
cis-1,2-dichloroethene
Concen: 18.52 ug/L
RT: 4.238 min Scan# 1291
Delta R.T. -0.003 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 96 Resp: 106799

Ion	Ratio	Lower	Upper
96	100		
61	150.3	118.2	178.2
98	59.3	34.3	94.3

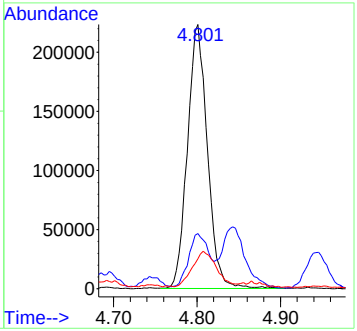


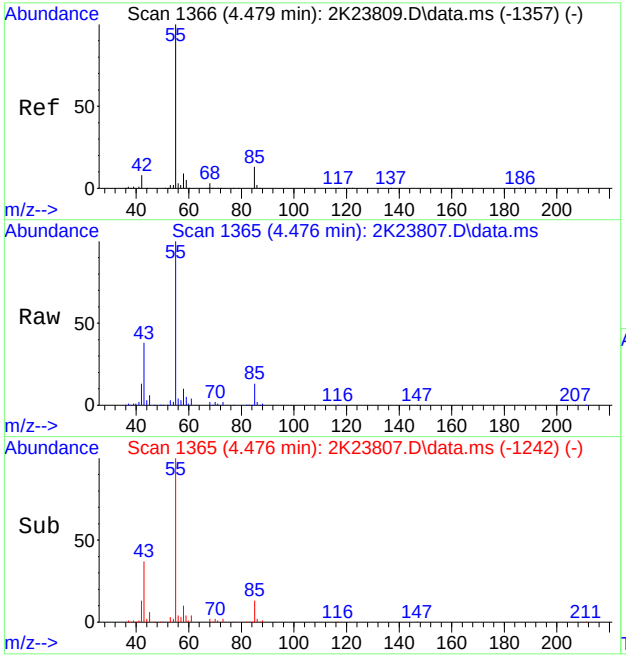


#37
propionitrile
Concen: 194.91 ug/L
RT: 4.801 min Scan# 1466
Delta R.T. -0.003 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 54 Resp: 370780

Ion	Ratio	Lower	Upper
54	100		
55	20.6	0.0	48.6
40	10.8	0.0	41.7

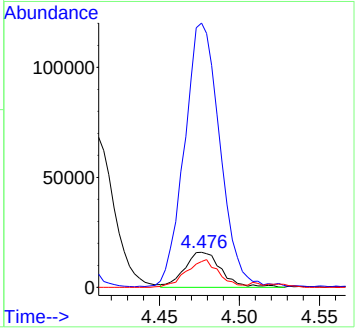


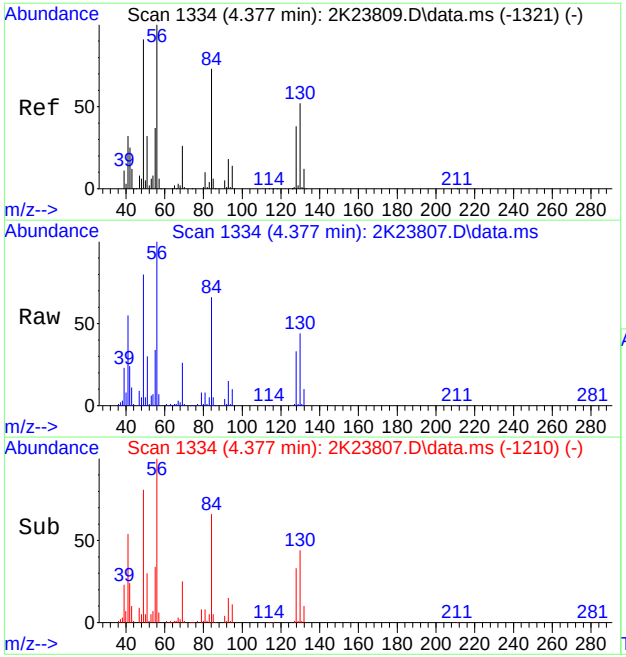


#38
methyl acrylate
Concen: 19.53 ug/L
RT: 4.476 min Scan# 1365
Delta R.T. -0.003 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 85 Resp: 25525

Ion	Ratio	Lower	Upper
85	100		
55	748.0	726.6	766.6
58	70.6	49.4	89.4

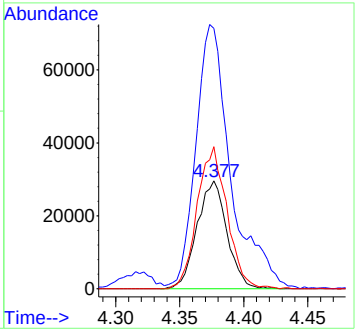


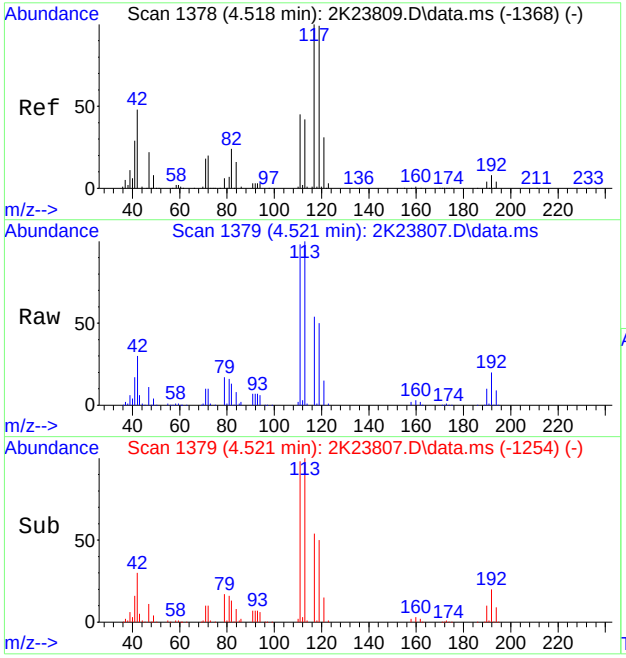


#39
bromochloromethane
Concen: 19.30 ug/L
RT: 4.377 min Scan# 1334
Delta R.T. -0.000 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion:128 Resp: 48289

Ion	Ratio	Lower	Upper
128	100		
49	236.0	213.9	273.9
130	131.6	107.4	167.4

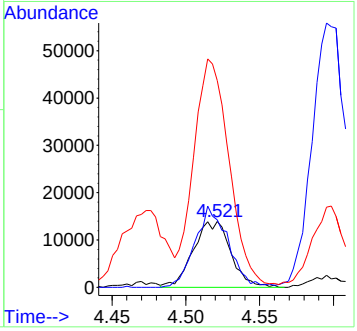


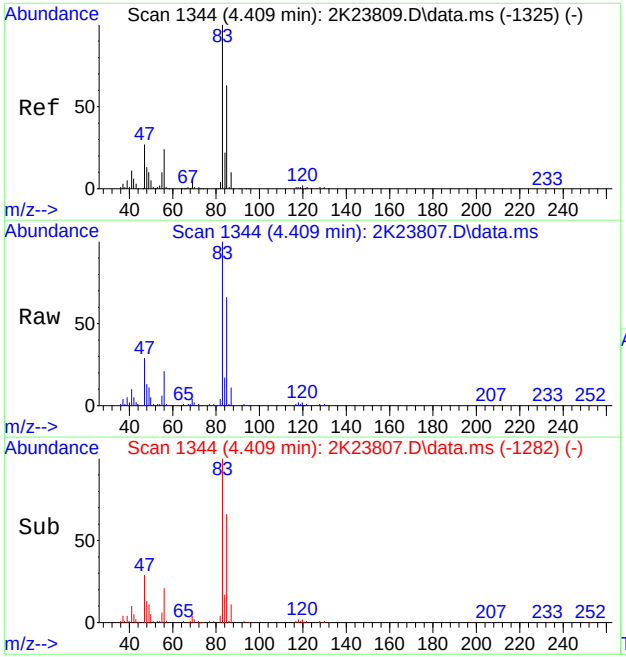


#40
tetrahydrofuran
Concen: 19.54 ug/L
RT: 4.521 min Scan# 1379
Delta R.T. 0.003 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 71 Resp: 24615

Ion	Ratio	Lower	Upper
71	100		
72	102.5	75.2	135.2
42	305.3	288.0	348.0

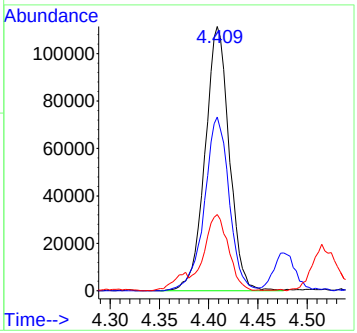


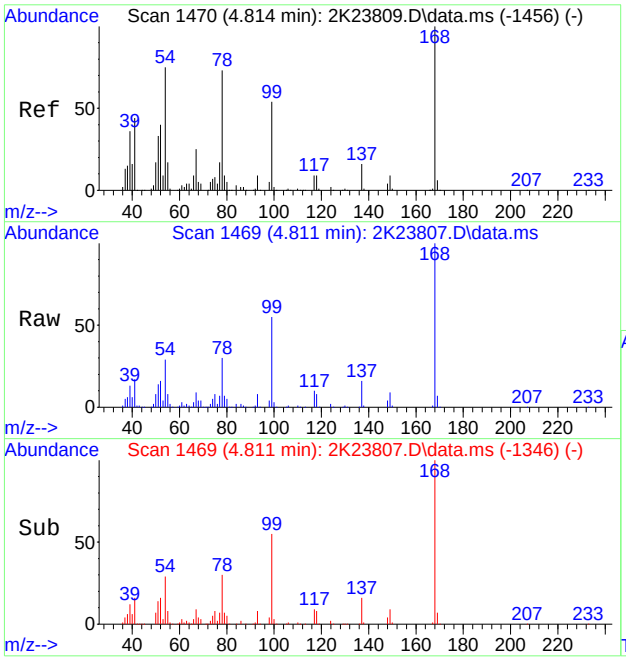


#41
chloroform
Concen: 17.74 ug/L
RT: 4.409 min Scan# 1344
Delta R.T. -0.000 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 83 Resp: 191013

Ion	Ratio	Lower	Upper
83	100		
85	65.7	33.0	93.0
47	28.6	0.0	56.9

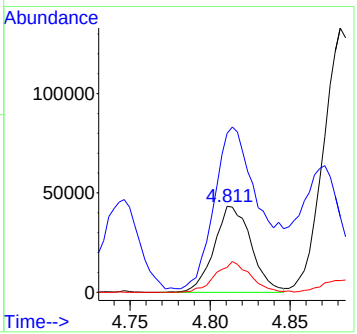


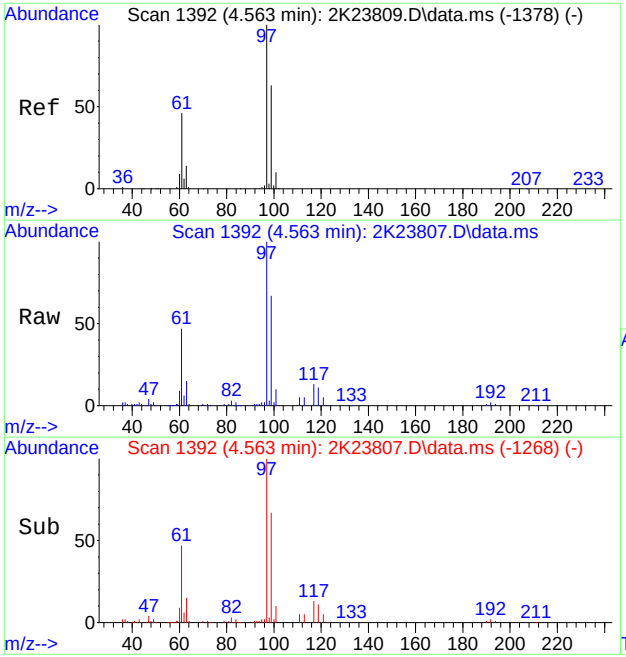


#43
methacrylonitrile
Concen: 17.90 ug/L
RT: 4.811 min Scan# 1469
Delta R.T. -0.003 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 67 Resp: 69811

Ion	Ratio	Lower	Upper
67	100		
41	174.1	145.5	205.5
66	29.2	4.7	64.7

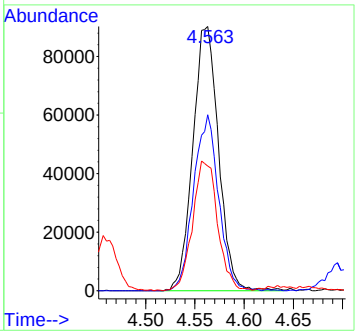


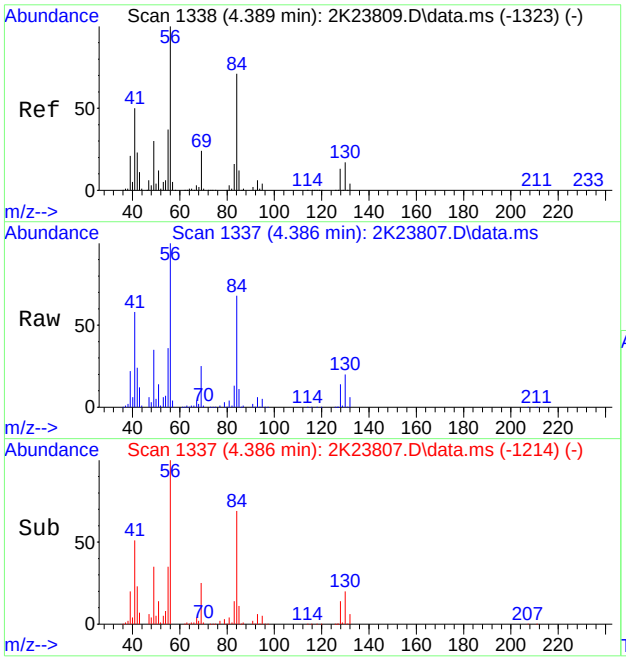


#44
1,1,1-trichloroethane
Concen: 18.18 ug/L
RT: 4.563 min Scan# 1392
Delta R.T. -0.000 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 97 Resp: 164334

Ion	Ratio	Lower	Upper
97	100		
99	66.6	32.8	92.8
61	46.9	16.5	76.5

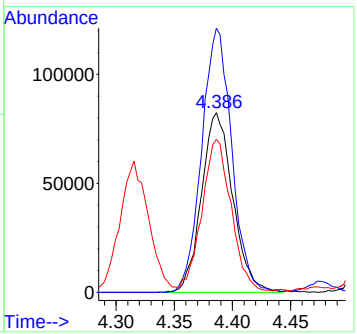


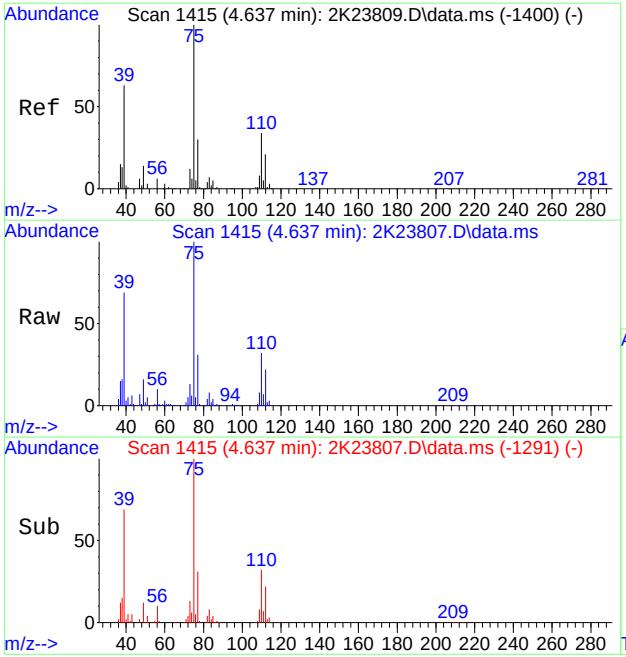


#45
cyclohexane
Concen: 19.59 ug/L
RT: 4.386 min Scan# 1337
Delta R.T. -0.003 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 84 Resp: 154580

Ion	Ratio	Lower	Upper
84	100		
56	146.9	120.0	160.0
41	83.6	58.4	98.4

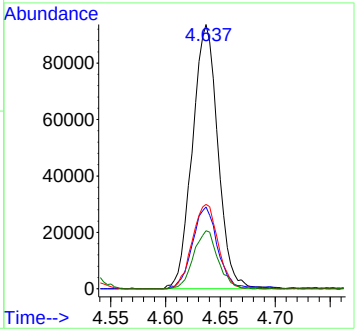


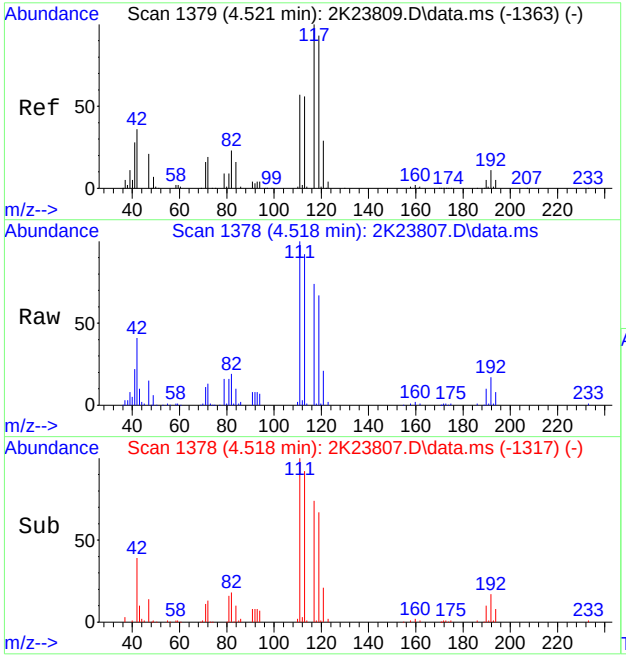


#46
1,1-dichloropropene
Concen: 19.76 ug/L
RT: 4.637 min Scan# 1415
Delta R.T. -0.000 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 75 Resp: 151738

Ion	Ratio	Lower	Upper
75	100		
77	30.9	10.5	50.5
110	31.9	14.4	54.4
112	21.9	0.7	40.7

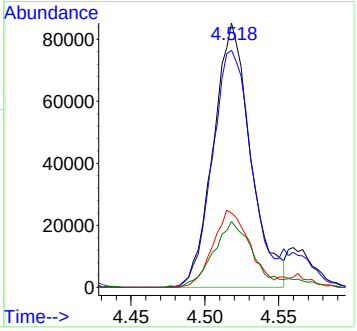


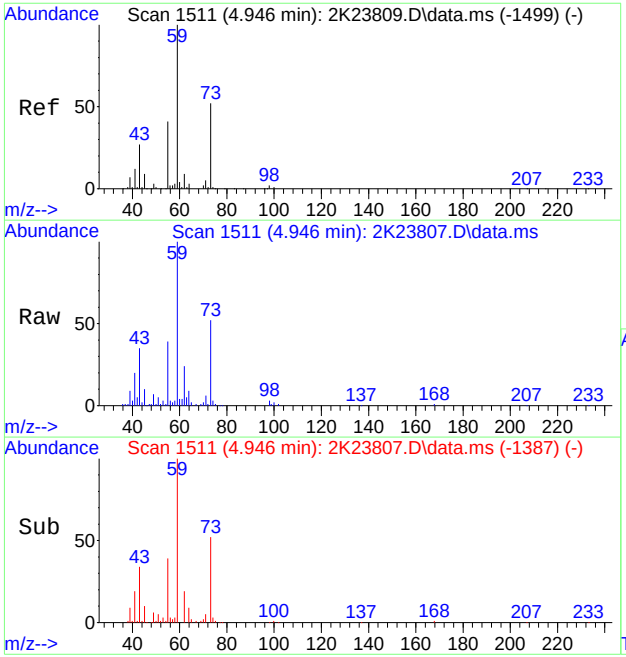


#47
carbon tetrachloride
Concen: 17.96 ug/L
RT: 4.518 min Scan# 1378
Delta R.T. -0.003 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion:117 Resp: 148991

Ion	Ratio	Lower	Upper
117	100		
119	89.7	72.9	112.9
121	28.1	9.2	49.2
82	24.9	2.9	42.9

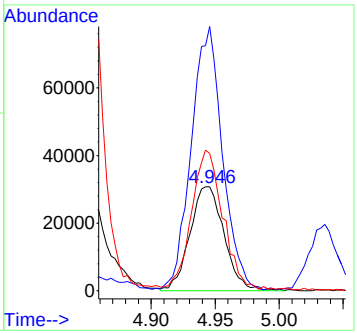


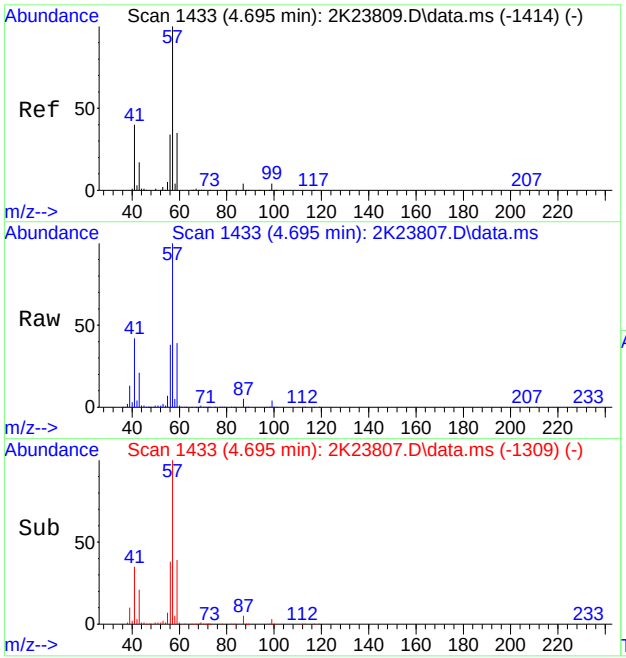


#49
tert-amyl alcohol
Concen: 92.52 ug/L
RT: 4.946 min Scan# 1511
Delta R.T. -0.000 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 55 Resp: 57272

Ion	Ratio	Lower	Upper
55	100		
59	252.4	218.4	258.4
73	129.7	106.6	146.6

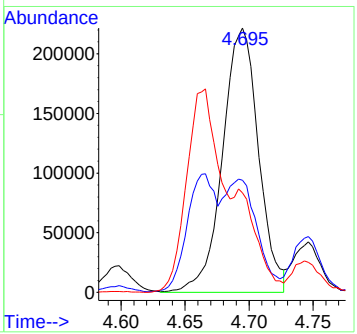


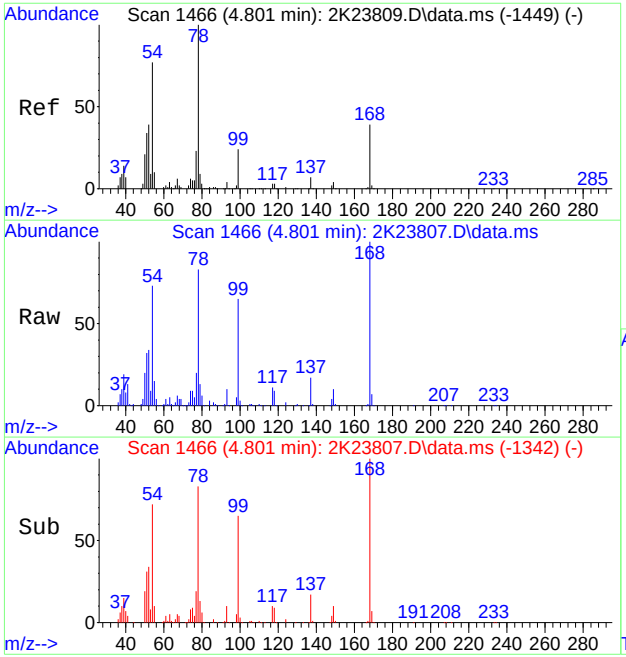


#52
iso-octane
Concen: 19.47 ug/L
RT: 4.695 min Scan# 1433
Delta R.T. -0.000 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 57 Resp: 434025

Ion	Ratio	Lower	Upper
57	100		
41	41.7	19.7	59.7
56	36.8	14.3	54.3

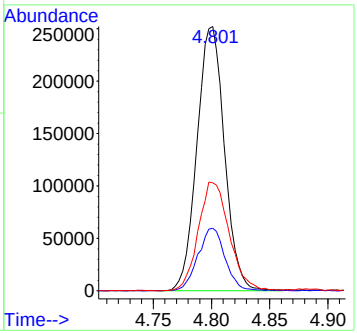


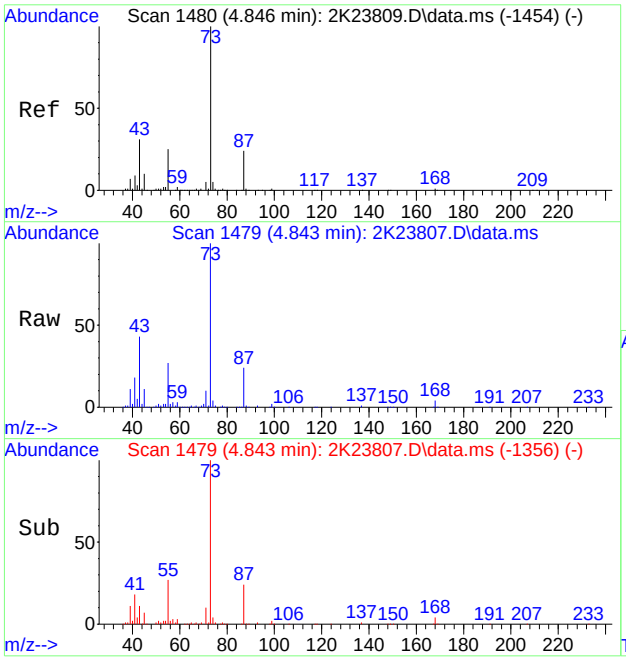


#53
benzene
Concen: 18.61 ug/L
RT: 4.801 min Scan# 1466
Delta R.T. -0.000 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 78 Resp: 415043

Ion	Ratio	Lower	Upper
78	100		
77	23.6	0.0	53.5
52	40.8	8.9	68.9

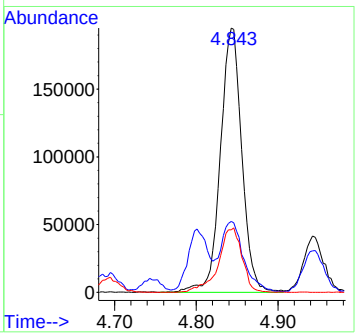


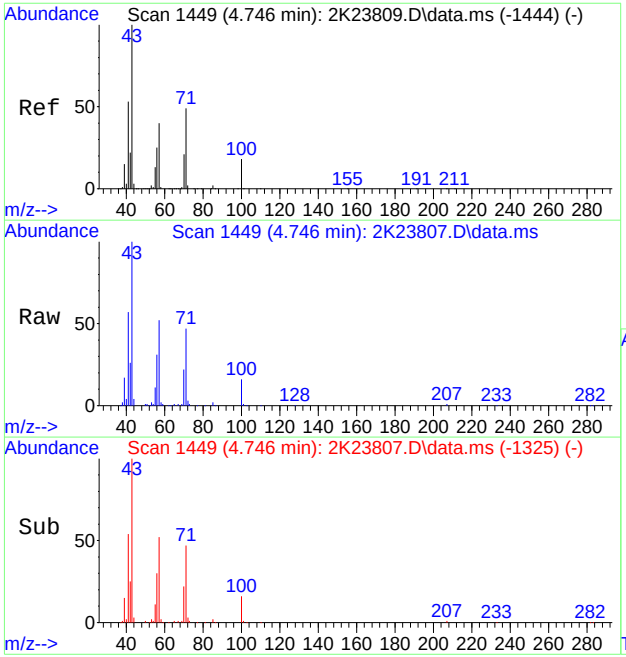


#54
tert-amyl methyl ether
Concen: 18.69 ug/L
RT: 4.843 min Scan# 1479
Delta R.T. -0.003 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 73 Resp: 356102

Ion	Ratio	Lower	Upper
73	100		
55	26.5	6.1	46.1
87	23.7	4.3	44.3

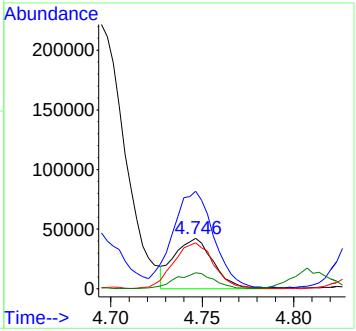


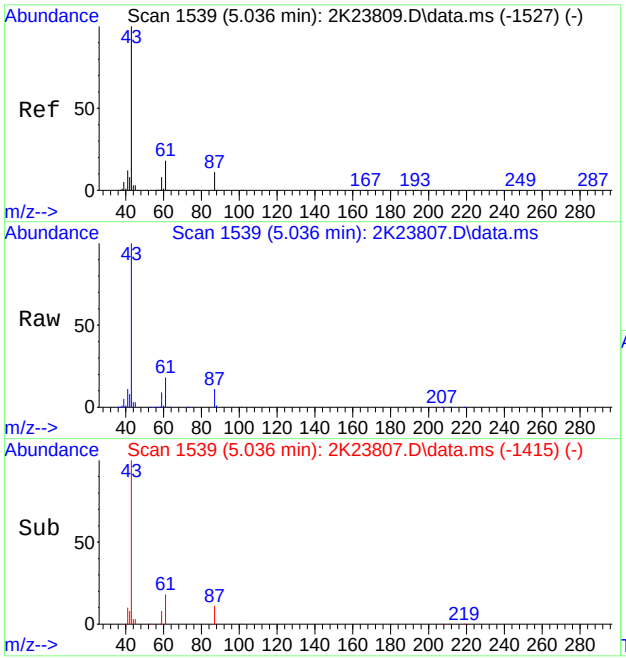


#55
heptane
Concen: 19.52 ug/L
RT: 4.746 min Scan# 1449
Delta R.T. -0.000 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 57 Resp: 63471

Ion	Ratio	Lower	Upper
57	100		
43	193.3	171.2	231.2
71	91.6	63.1	123.1
100	26.2	0.0	55.4

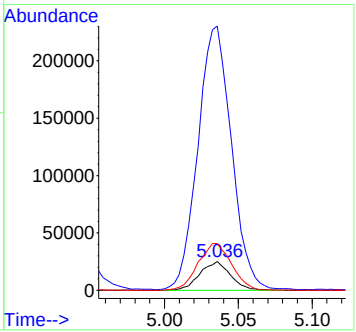


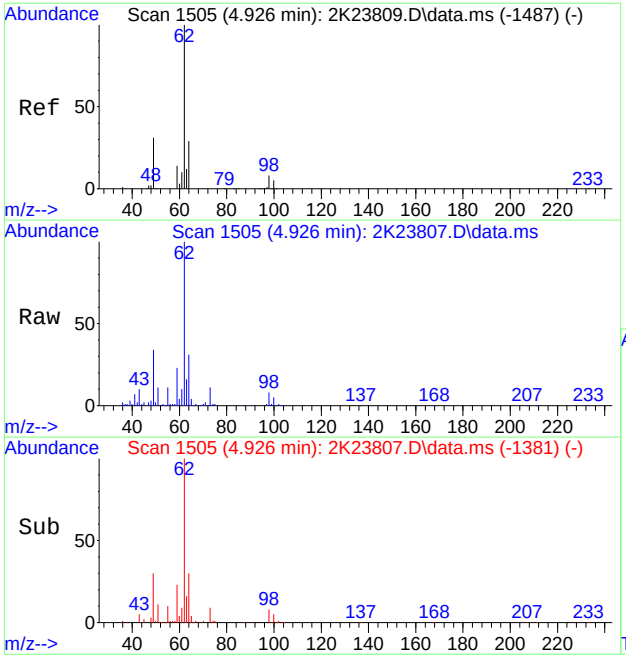


#56
isopropyl acetate
Concen: 20.35 ug/L
RT: 5.036 min Scan# 1539
Delta R.T. -0.000 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 87 Resp: 36293

Ion	Ratio	Lower	Upper
87	100		
43	915.2	917.6	977.6#
61	162.9	137.7	197.7

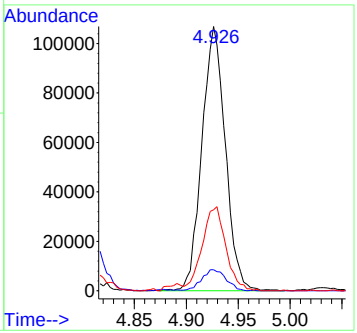


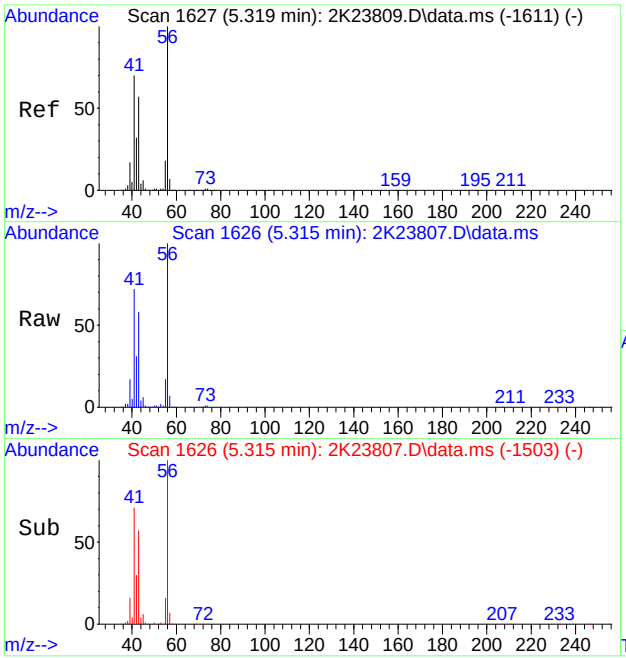


#57
1,2-dichloroethane
Concen: 18.16 ug/L
RT: 4.926 min Scan# 1505
Delta R.T. -0.000 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 62 Resp: 167934

Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	38.3
64	30.6	0.0	59.6

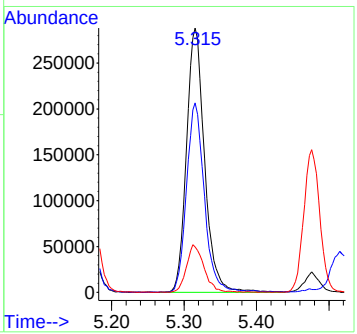


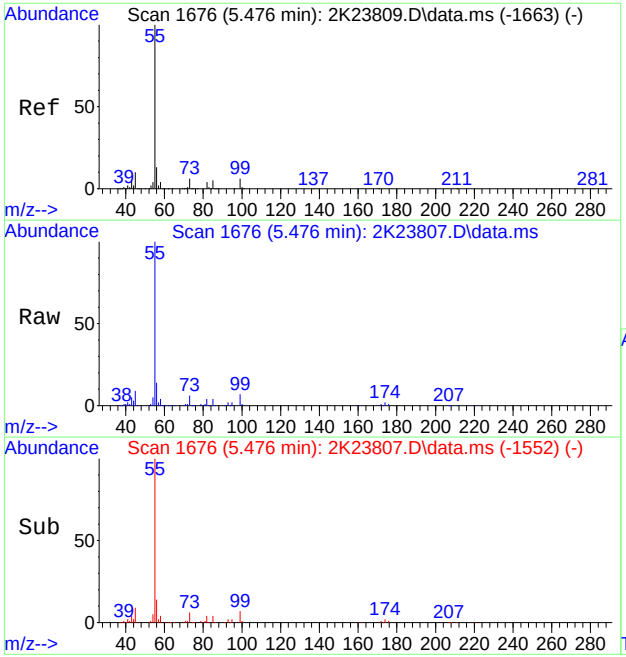


#58
n-butyl alcohol
Concen: 1014.73 ug/L
RT: 5.315 min Scan# 1626
Delta R.T. -0.003 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 56 Resp: 500850

Ion	Ratio	Lower	Upper
56	100		
41	71.4	50.4	90.4
55	17.0	0.0	37.7

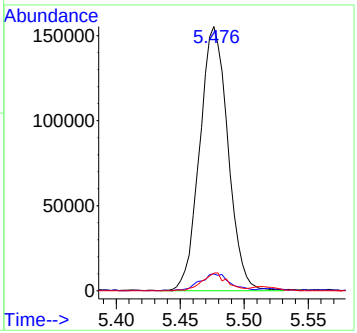


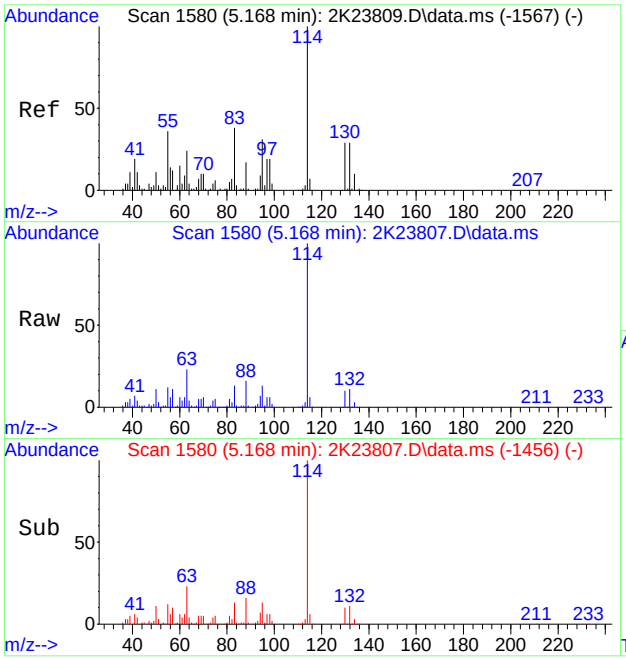


#59
ethyl acrylate
Concen: 19.80 ug/L
RT: 5.476 min Scan# 1676
Delta R.T. -0.000 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 55 Resp: 239025

Ion	Ratio	Lower	Upper
55	100		
73	6.2	0.0	36.2
99	6.7	0.0	36.0

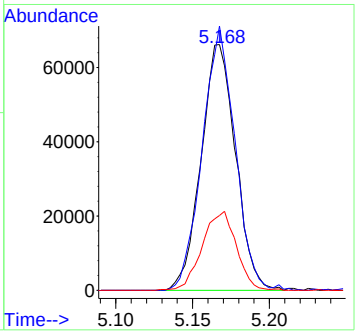


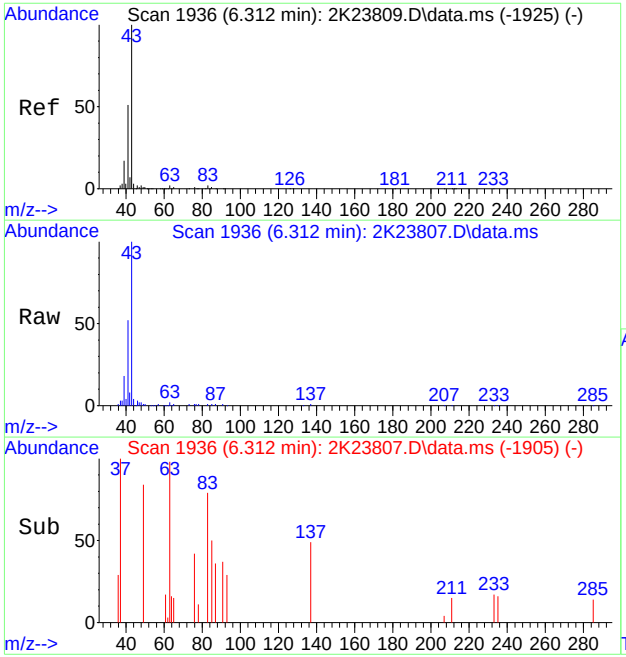


#60
trichloroethene
Concen: 19.34 ug/L
RT: 5.168 min Scan# 1580
Delta R.T. -0.000 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion:130 Resp: 103676

Ion	Ratio	Lower	Upper
130	100		
132	107.6	70.8	130.8
134	30.5	4.2	64.2

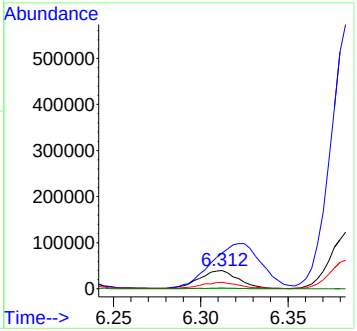


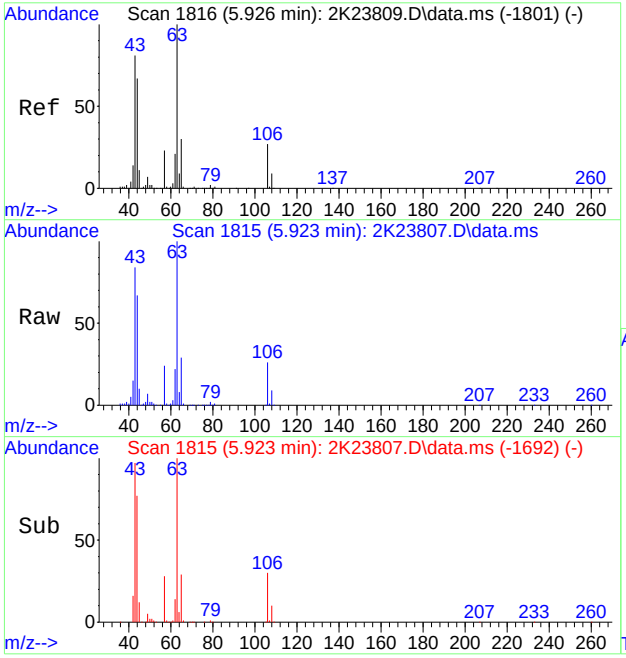


#61
2-nitropropane
Concen: 18.23 ug/L
RT: 6.312 min Scan# 1936
Delta R.T. -0.000 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 41 Resp: 60973

Ion	Ratio	Lower	Upper
41	100		
43	194.8	163.8	223.8
39	33.6	4.1	64.1
46	4.9	0.0	33.5

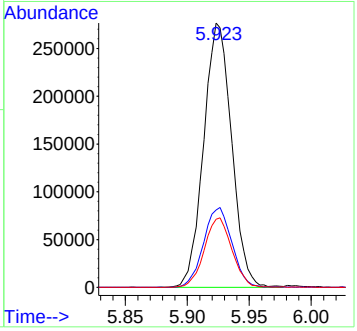


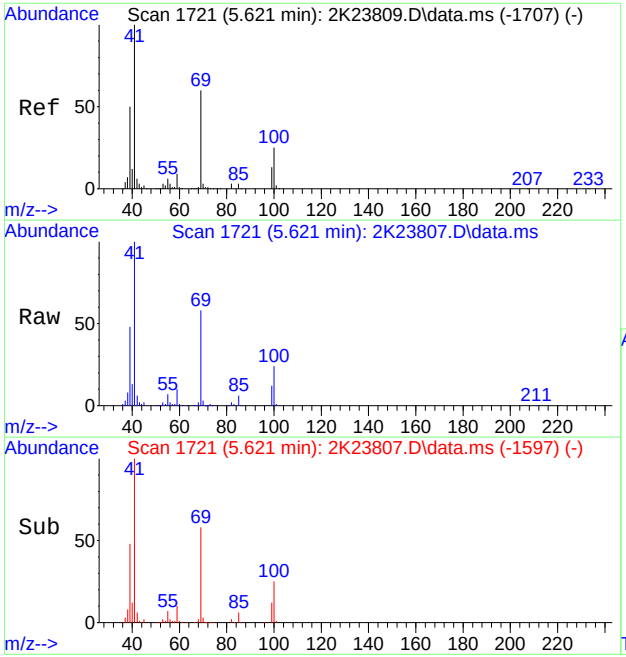


#62
2-chloroethyl vinyl ether
Concen: 109.75 ug/L
RT: 5.923 min Scan# 1815
Delta R.T. -0.003 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 63 Resp: 434164

Ion	Ratio	Lower	Upper
63	100		
65	29.2	0.3	60.3
106	25.8	0.0	57.1

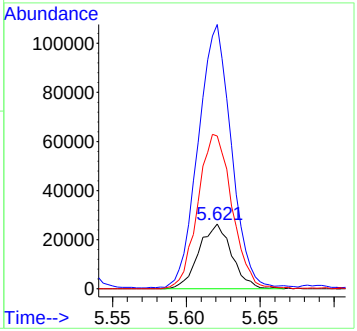


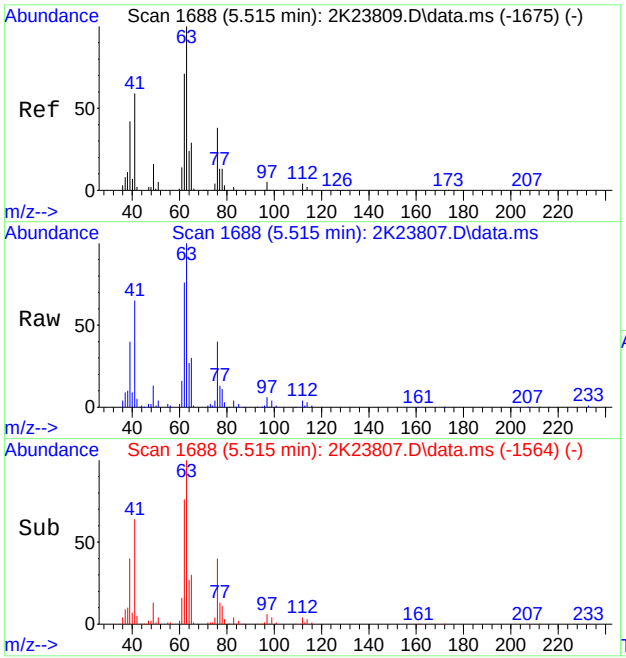


#63
methyl methacrylate
Concen: 19.52 ug/L
RT: 5.621 min Scan# 1721
Delta R.T. -0.000 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion:100 Resp: 40690

Ion	Ratio	Lower	Upper
100	100		
41	405.7	374.3	434.3
69	236.1	214.3	274.3

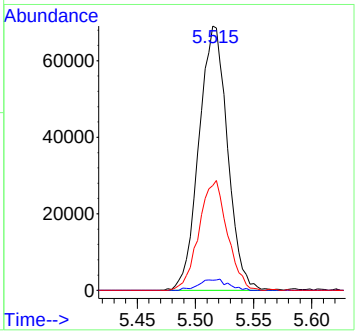


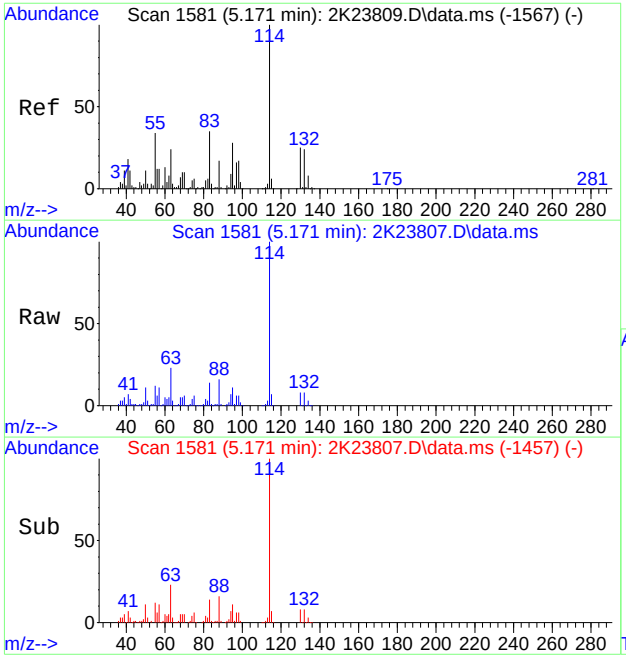


#64
1,2-dichloropropane
Concen: 18.92 ug/L
RT: 5.515 min Scan# 1688
Delta R.T. -0.000 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 63 Resp: 118082

Ion	Ratio	Lower	Upper
63	100		
112	3.8	0.0	33.7
76	39.6	7.9	67.9

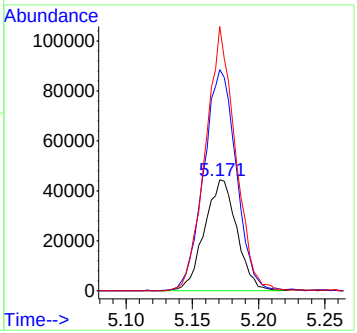


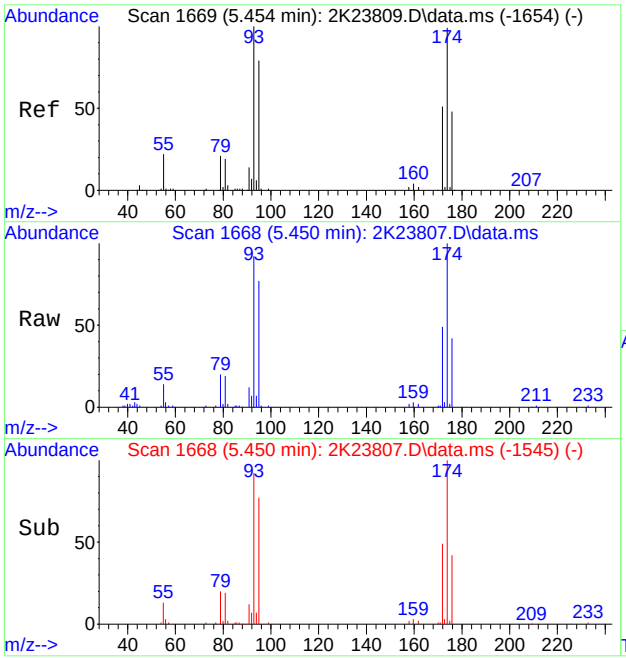


#65
methylcyclohexane
Concen: 19.22 ug/L
RT: 5.171 min Scan# 1581
Delta R.T. -0.000 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 98 Resp: 75562

Ion	Ratio	Lower	Upper
98	100		
55	198.8	173.8	233.8
83	238.3	181.7	241.7

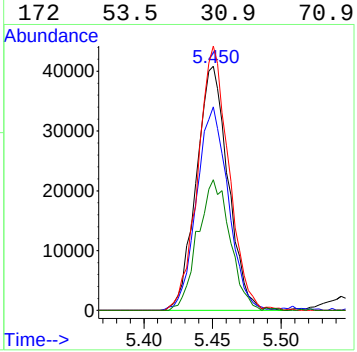


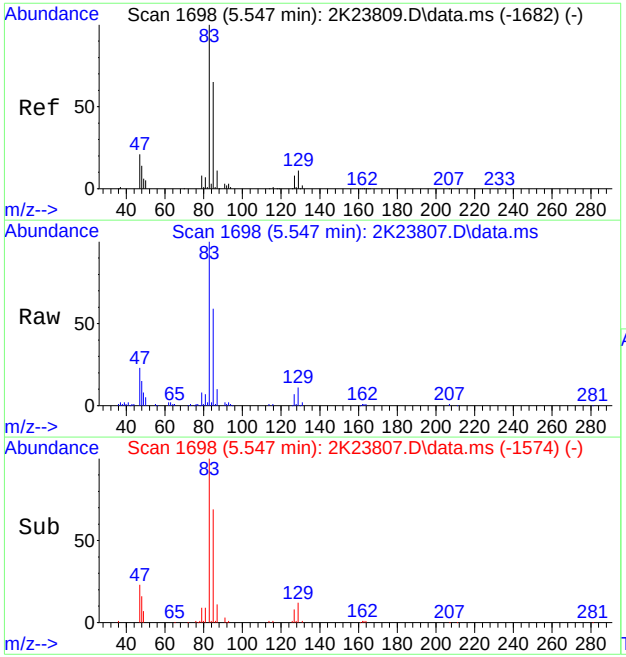


#66
dibromomethane
Concen: 18.80 ug/L
RT: 5.450 min Scan# 1668
Delta R.T. -0.003 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 93 Resp: 65628

Ion	Ratio	Lower	Upper
93	100		
95	83.4	49.5	109.5
174	108.3	68.7	128.7
172	53.5	30.9	70.9

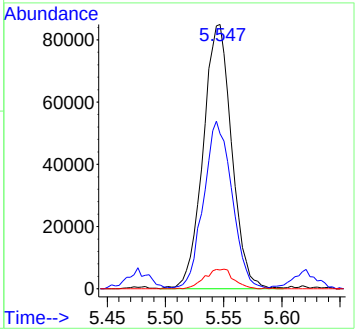


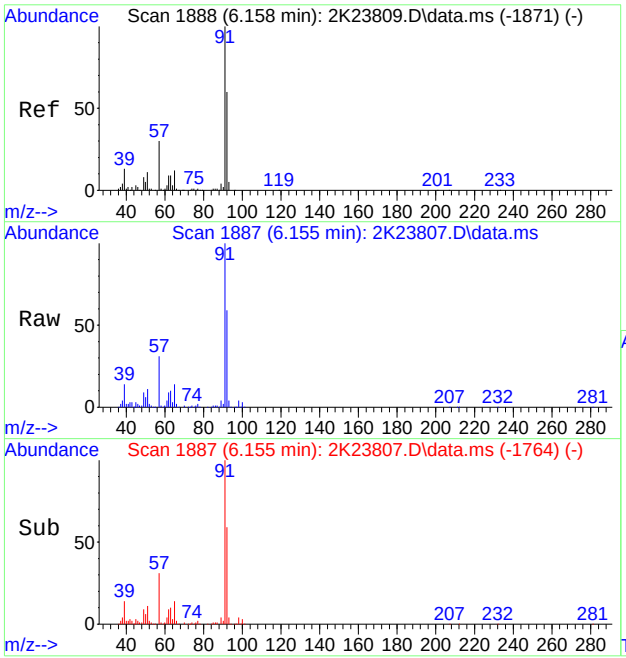


#67
bromodichloromethane
Concen: 19.52 ug/L
RT: 5.547 min Scan# 1698
Delta R.T. -0.000 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 83 Resp: 145389

Ion	Ratio	Lower	Upper
83	100		
85	57.2	36.5	96.5
127	7.2	0.0	37.8

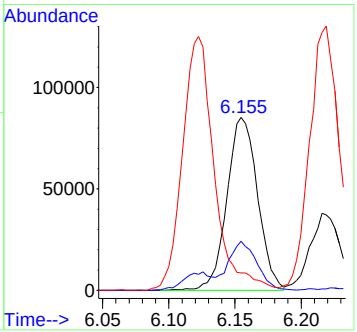


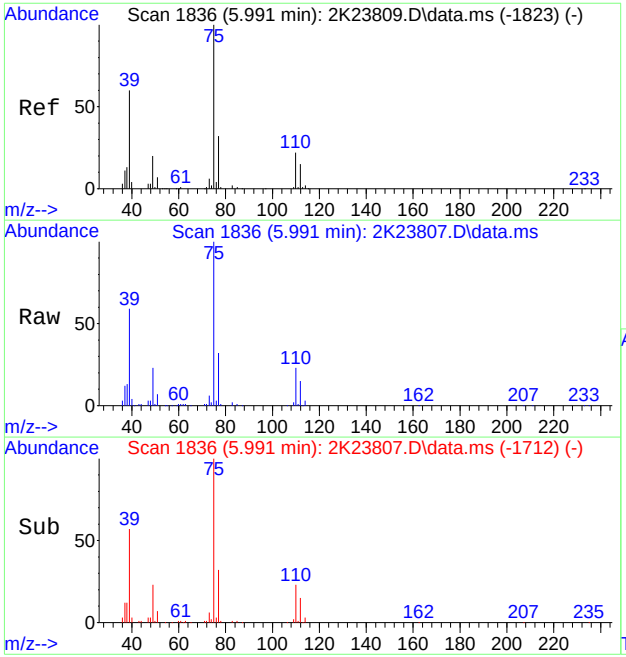


#68
epichlorohydrin
Concen: 98.41 ug/L
RT: 6.155 min Scan# 1887
Delta R.T. -0.003 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 57 Resp: 137318

Ion	Ratio	Lower	Upper
57	100		
49	27.9	7.1	47.1
42	7.4	0.0	27.5

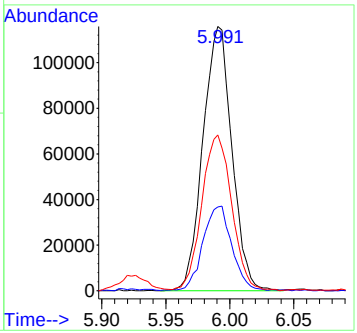


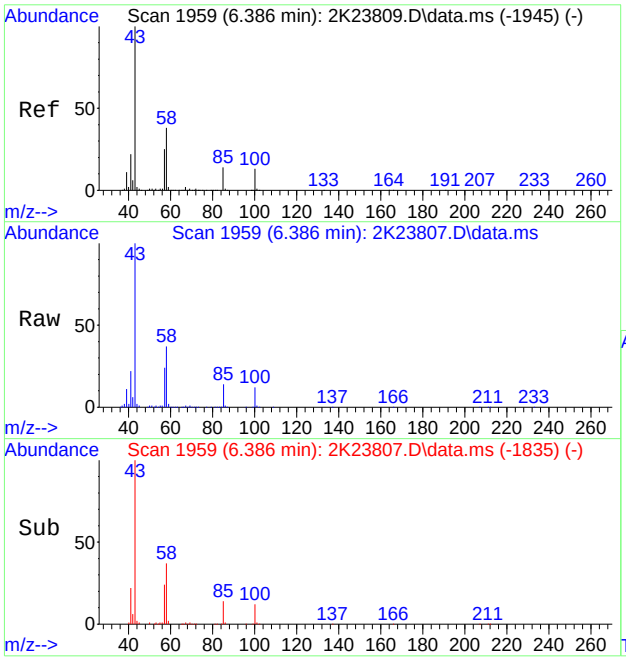


#69
cis-1,3-dichloropropene
Concen: 19.32 ug/L
RT: 5.991 min Scan# 1836
Delta R.T. -0.000 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 75 Resp: 182820

Ion	Ratio	Lower	Upper
75	100		
77	31.5	2.1	62.1
39	58.7	30.1	90.1

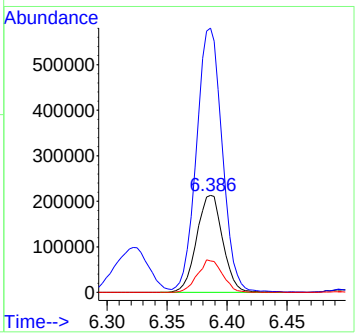


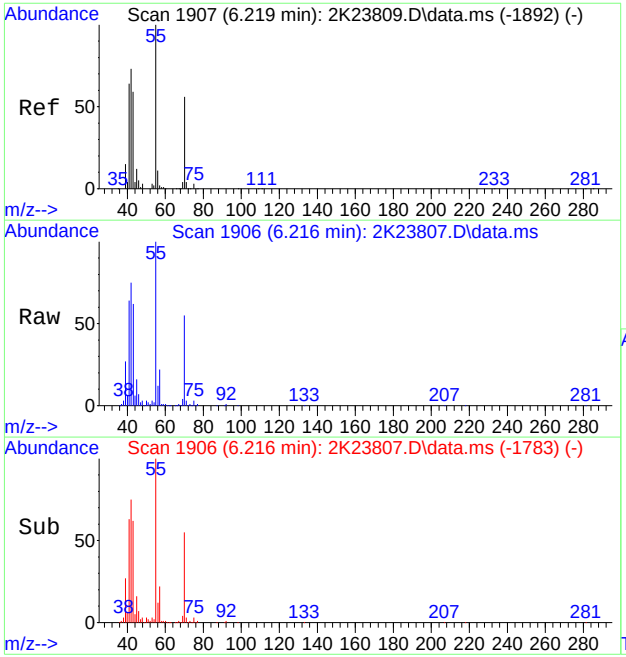


#70
4-methyl-2-pentanone
Concen: 79.92 ug/L
RT: 6.386 min Scan# 1959
Delta R.T. -0.000 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 58 Resp: 322655

Ion	Ratio	Lower	Upper
58	100		
43	272.0	244.4	304.4
100	32.3	4.8	64.8

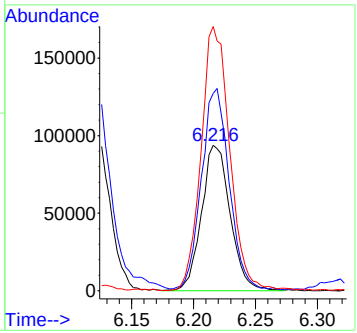


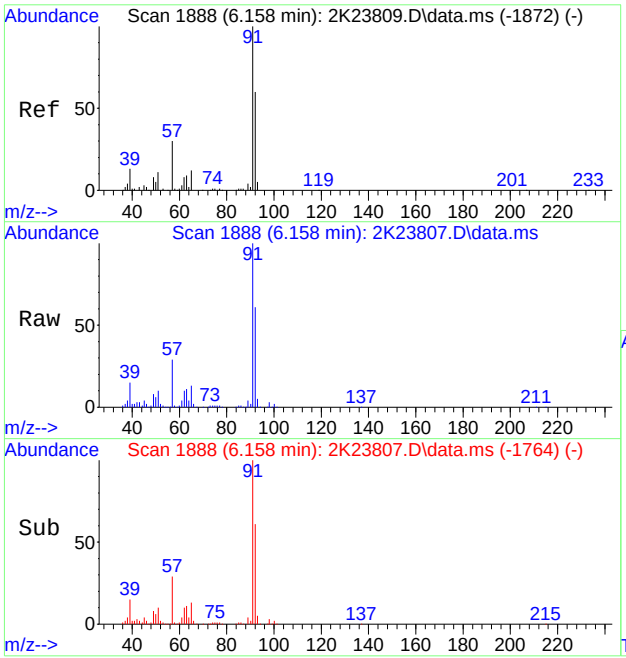


#71
3-methyl-1-butanol
Concen: 391.70 ug/L
RT: 6.216 min Scan# 1906
Delta R.T. -0.003 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 70 Resp: 150824

Ion	Ratio	Lower	Upper
70	100		
42	134.7	100.5	160.5
55	181.8	148.8	208.8

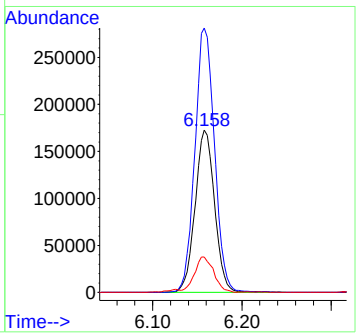


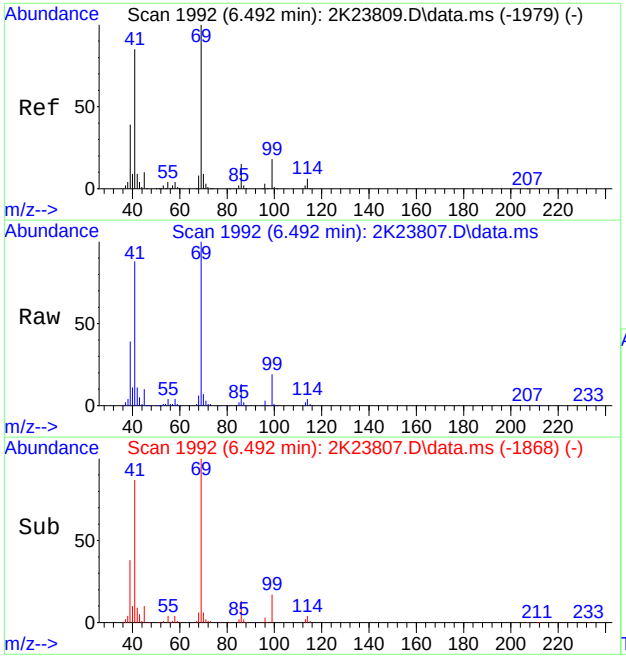


#74
toluene
Concen: 18.41 ug/L
RT: 6.158 min Scan# 1888
Delta R.T. -0.000 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 92 Resp: 261590

Ion	Ratio	Lower	Upper
92	100		
91	162.9	145.9	185.9
65	21.8	0.5	40.5

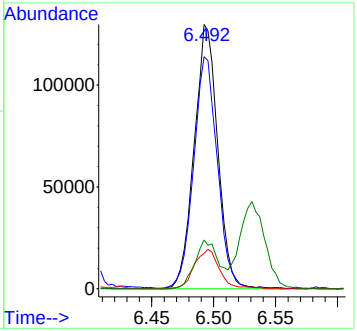


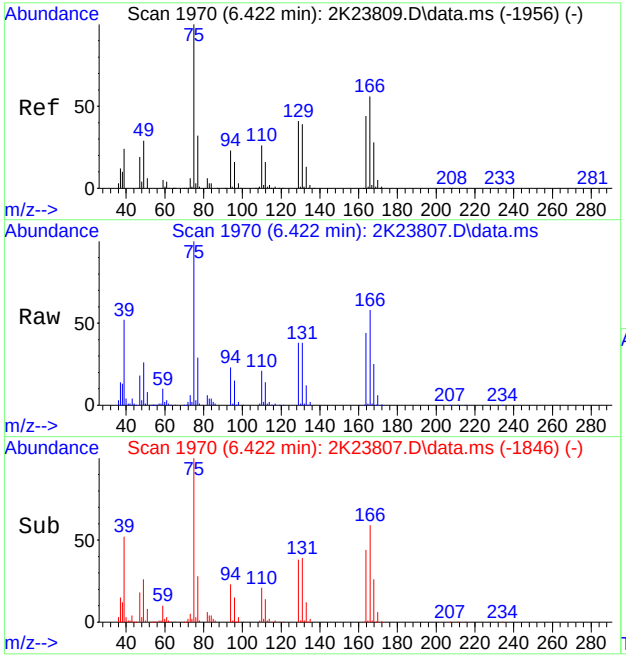


#75
ethyl methacrylate
Concen: 19.64 ug/L
RT: 6.492 min Scan# 1992
Delta R.T. -0.000 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 69 Resp: 171582

Ion	Ratio	Lower	Upper
69	100		
41	87.5	65.3	105.3
86	13.4	0.0	34.6
99	18.5	0.0	38.4

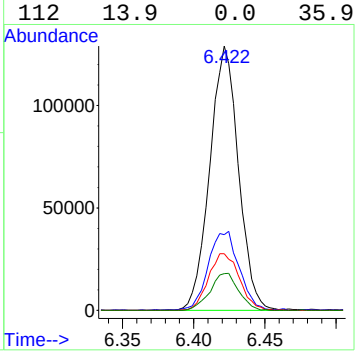


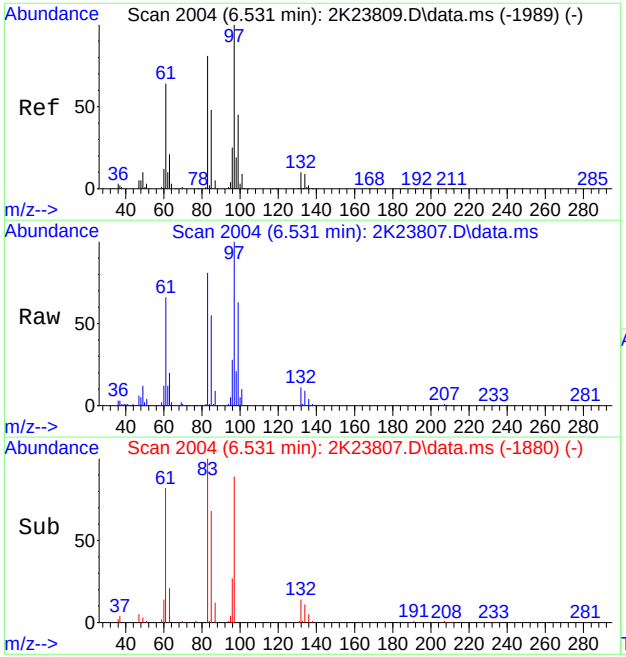


#76
trans-1,3-dichloropropene
Concen: 19.65 ug/L
RT: 6.422 min Scan# 1970
Delta R.T. -0.000 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 75 Resp: 181527

Ion	Ratio	Lower	Upper
75	100		
77	28.5	12.2	52.2
110	21.4	5.7	45.7
112	13.9	0.0	35.9

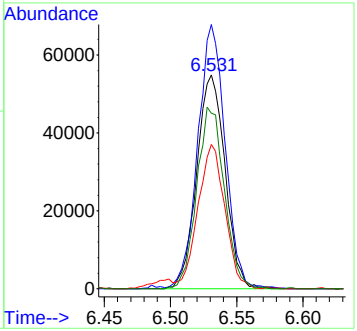


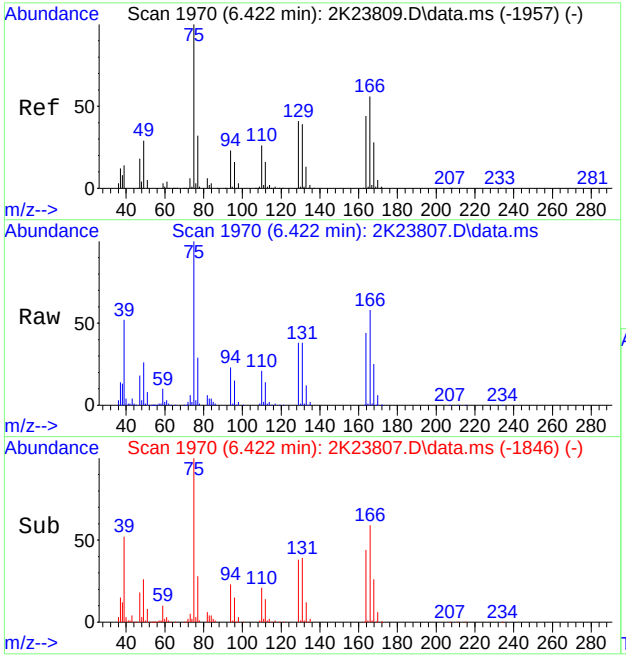


#77
1,1,2-trichloroethane
Concen: 19.16 ug/L
RT: 6.531 min Scan# 2004
Delta R.T. -0.000 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 83 Resp: 81913

Ion	Ratio	Lower	Upper
83	100		
97	123.2	103.4	143.4
85	67.5	40.7	80.7
61	82.0	58.7	98.7

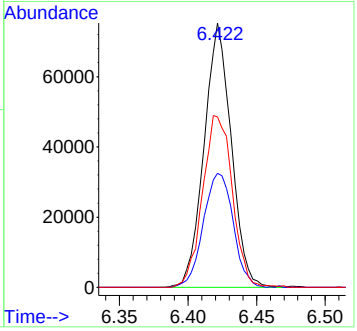


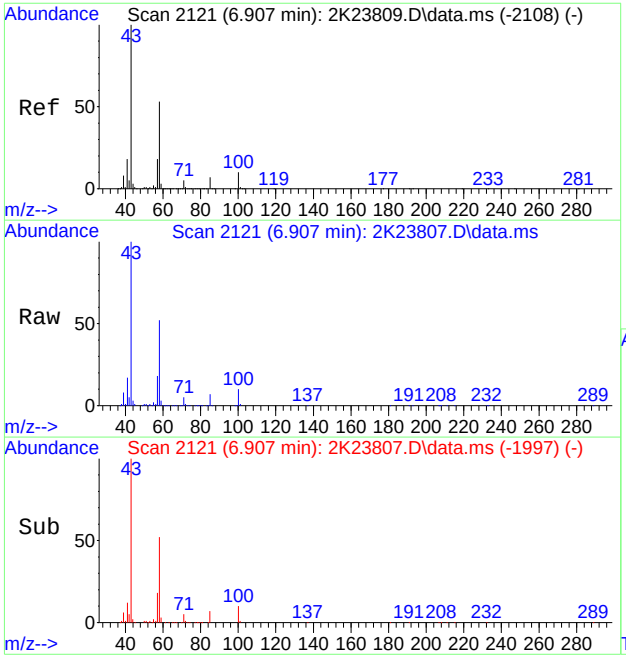


#78
tetrachloroethene
Concen: 19.26 ug/L
RT: 6.422 min Scan# 1970
Delta R.T. -0.000 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion:166 Resp: 103822

Ion	Ratio	Lower	Upper
166	100		
168	43.2	19.1	79.1
129	64.5	42.7	102.7

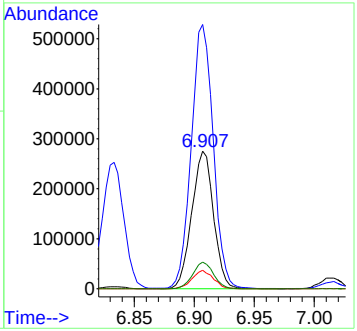


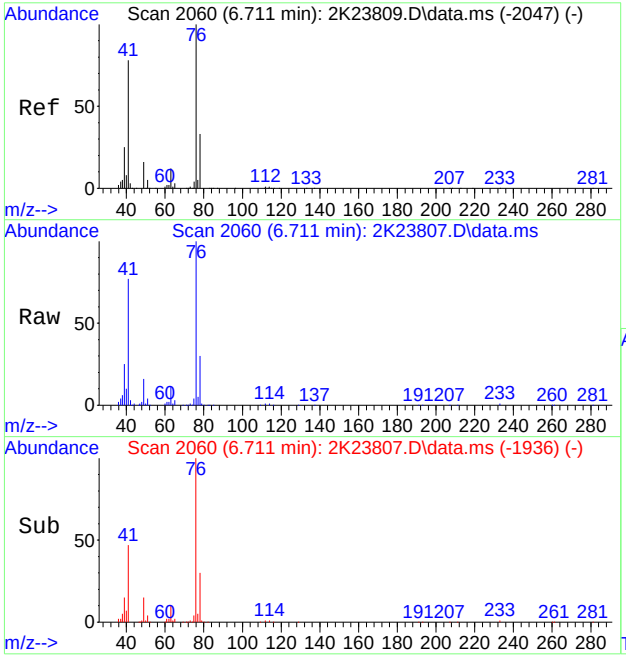


#79
2-hexanone
Concen: 78.52 ug/L
RT: 6.907 min Scan# 2121
Delta R.T. -0.000 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 58 Resp: 347642

Ion	Ratio	Lower	Upper
58	100		
43	192.0	168.9	208.9
85	13.4	0.0	33.1
100	19.3	0.0	39.1

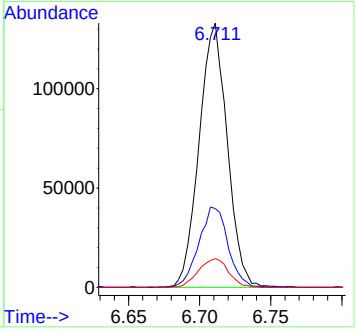


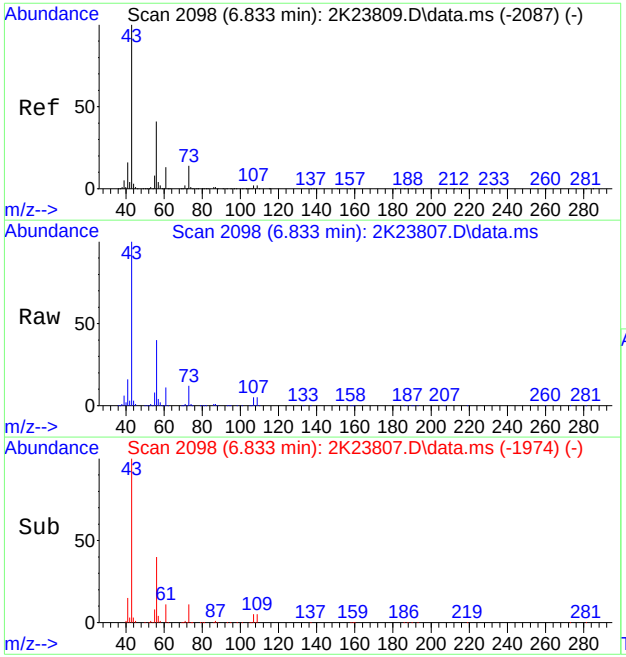


#80
1,3-dichloropropane
Concen: 19.81 ug/L
RT: 6.711 min Scan# 2060
Delta R.T. -0.000 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 76 Resp: 183023

Ion	Ratio	Lower	Upper
76	100		
78	29.6	2.9	62.9
63	10.9	0.0	42.3

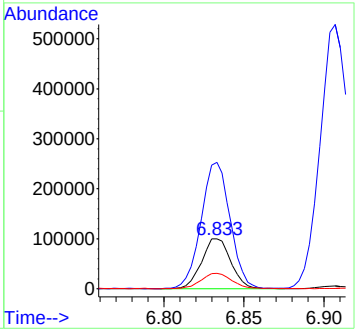


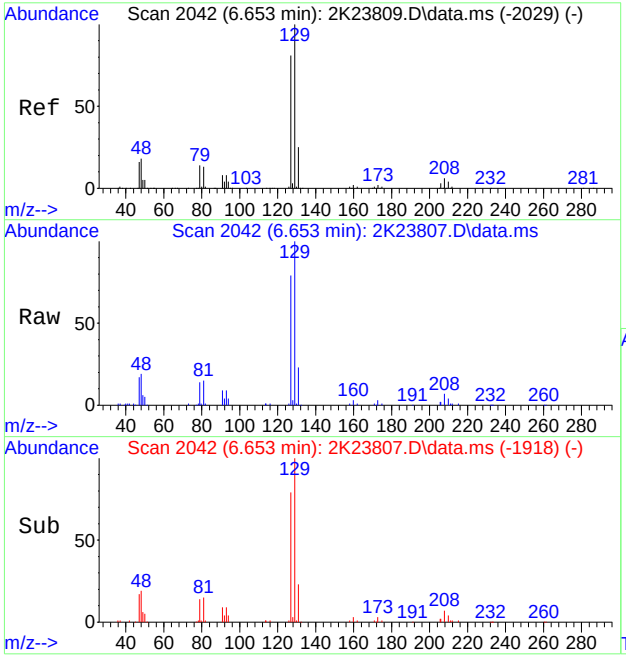


#81
butyl acetate
Concen: 19.84 ug/L
RT: 6.833 min Scan# 2098
Delta R.T. -0.000 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 56 Resp: 127828

Ion	Ratio	Lower	Upper
56	100		
43	252.4	213.5	273.5
73	30.5	4.2	64.2

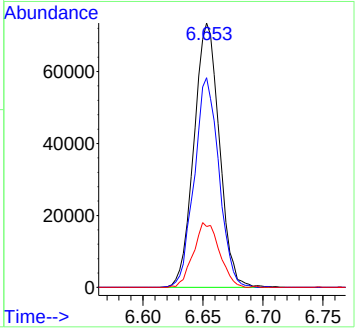


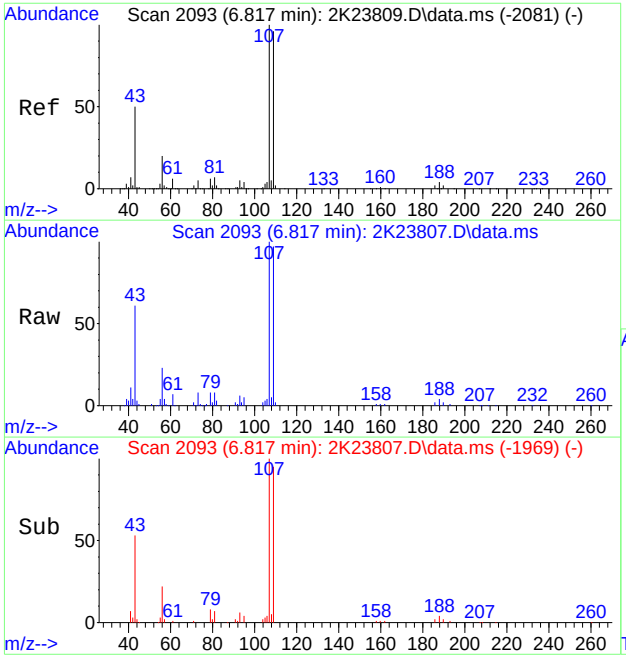


#82
dibromochloromethane
Concen: 19.81 ug/L
RT: 6.653 min Scan# 2042
Delta R.T. -0.000 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion:129 Resp: 108298

Ion	Ratio	Lower	Upper
129	100		
127	79.3	50.8	110.8
131	23.0	0.0	55.3

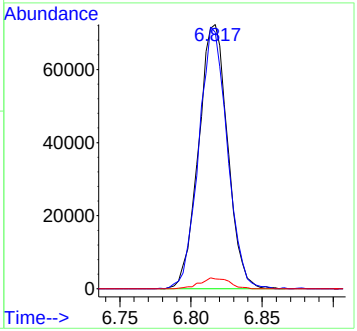


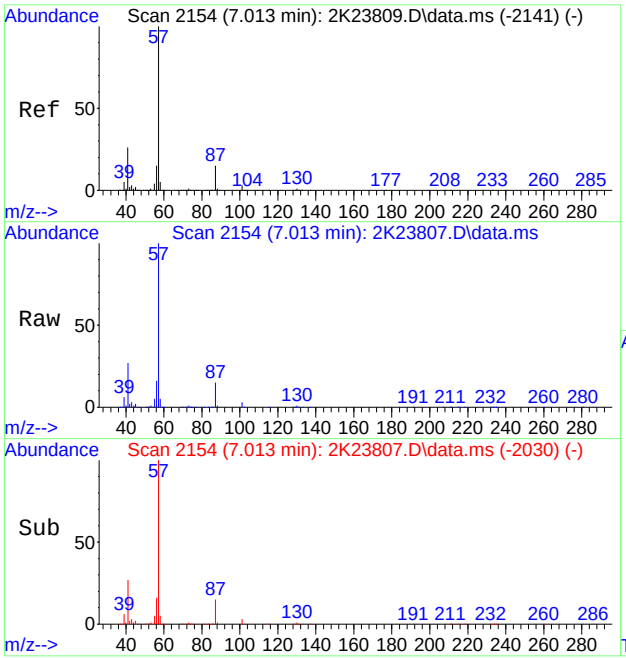


#83
1,2-dibromoethane
Concen: 20.16 ug/L
RT: 6.817 min Scan# 2093
Delta R.T. -0.000 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion:107 Resp: 102876

Ion	Ratio	Lower	Upper
107	100		
109	96.7	65.7	125.7
188	3.8	0.0	33.6

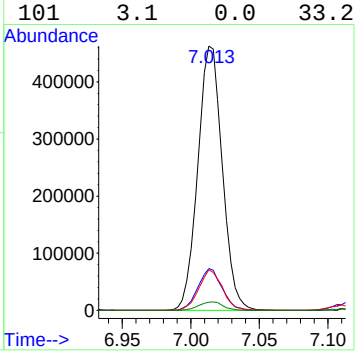


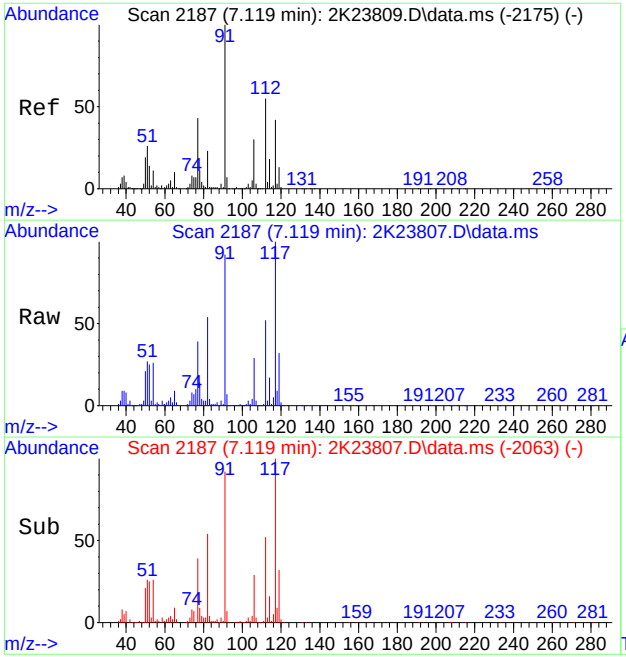


#84
n-butyl ether
Concen: 19.61 ug/L
RT: 7.013 min Scan# 2154
Delta R.T. -0.000 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 57 Resp: 574843

Ion	Ratio	Lower	Upper
57	100		
56	15.8	0.0	45.2
87	15.4	0.0	45.0
101	3.1	0.0	33.2

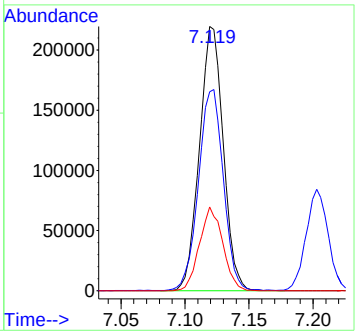


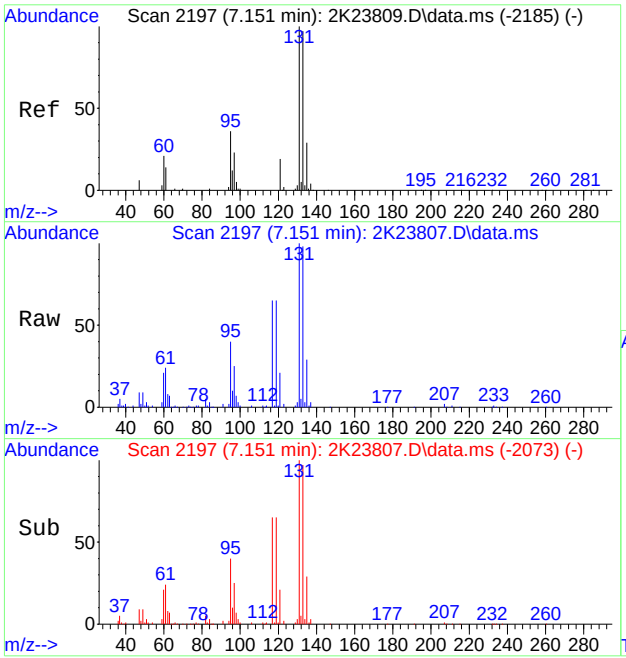


#85
chlorobenzene
Concen: 19.38 ug/L
RT: 7.119 min Scan# 2187
Delta R.T. -0.000 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion:112 Resp: 284428

Ion	Ratio	Lower	Upper
112	100		
77	75.1	49.5	109.5
114	31.7	2.1	62.1

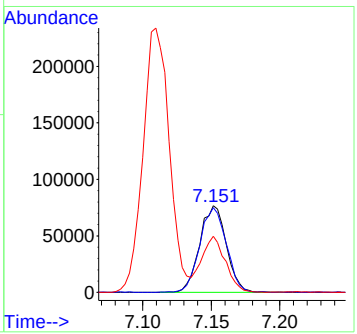


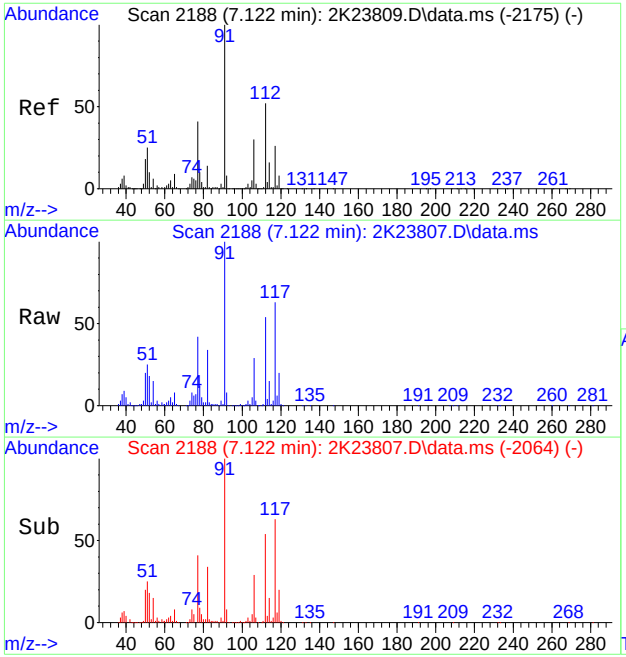


#86
1,1,1,2-tetrachloroethane
Concen: 20.07 ug/L
RT: 7.151 min Scan# 2197
Delta R.T. -0.000 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion:131 Resp: 103090

Ion	Ratio	Lower	Upper
131	100		
133	97.8	66.7	126.7
119	64.3	31.1	91.1

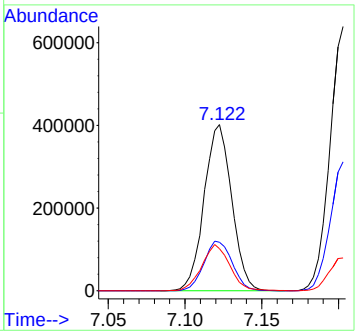


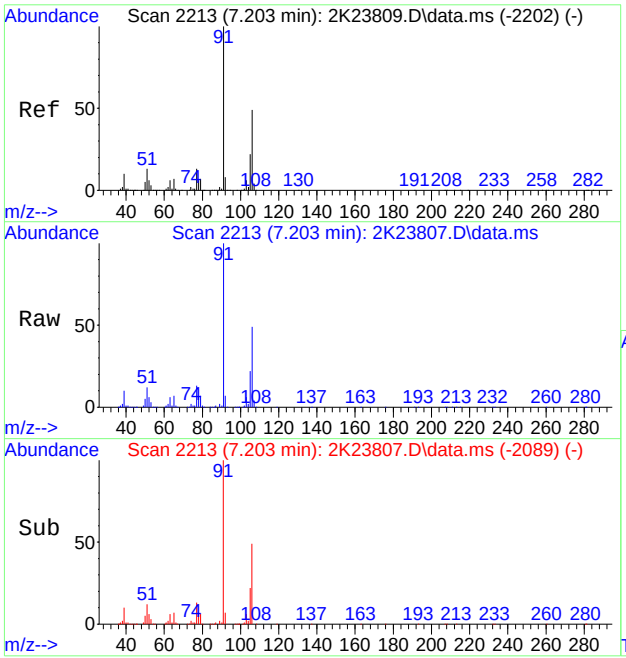


#87
ethylbenzene
Concen: 18.41 ug/L
RT: 7.122 min Scan# 2188
Delta R.T. -0.000 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 91 Resp: 502732

Ion	Ratio	Lower	Upper
91	100		
106	29.2	0.3	60.3
51	25.2	0.0	55.4

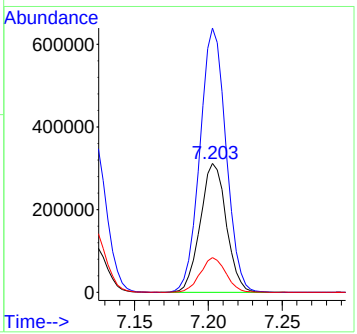


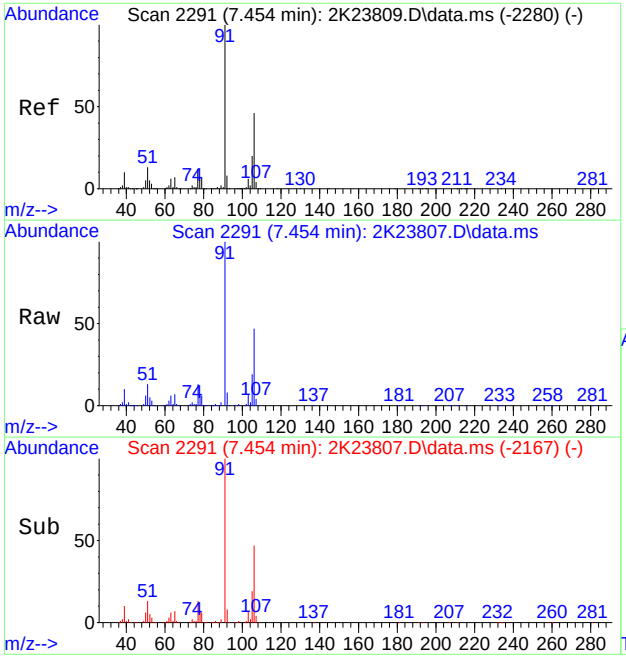


#88
m,p-xylene
Concen: 38.85 ug/L
RT: 7.203 min Scan# 2213
Delta R.T. -0.000 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion:106 Resp: 381287

Ion	Ratio	Lower	Upper
106	100		
91	204.8	173.5	233.5
77	26.9	7.0	47.0

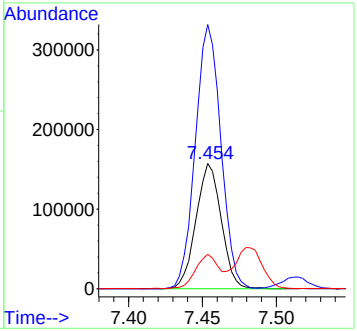


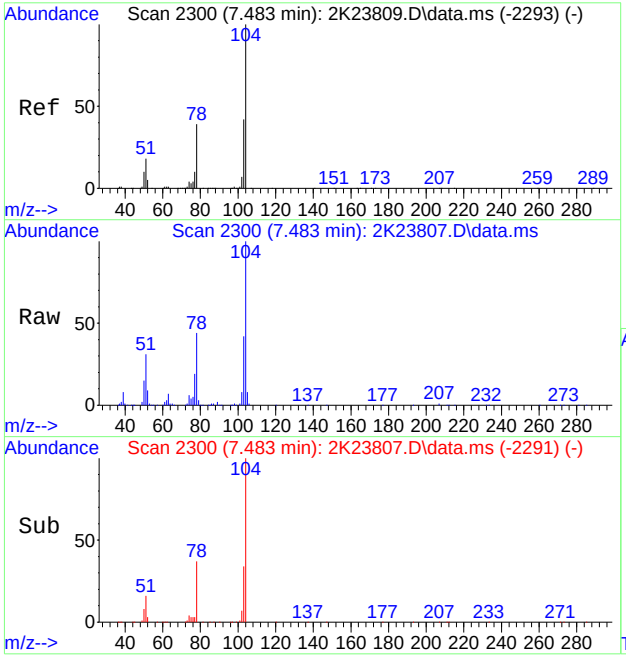


#89
o-xylene
Concen: 19.51 ug/L
RT: 7.454 min Scan# 2291
Delta R.T. -0.000 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion:106 Resp: 186881

Ion	Ratio	Lower	Upper
106	100		
91	211.0	186.3	246.3
77	27.4	6.7	46.7

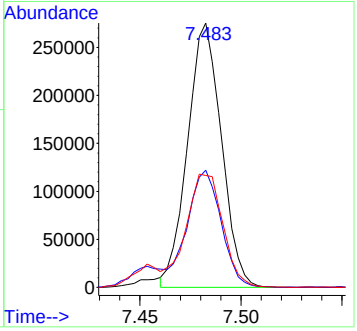


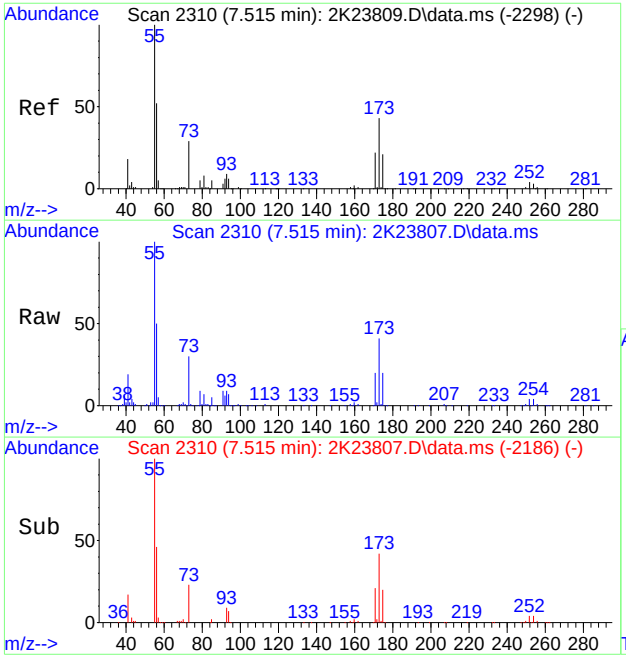


#90
styrene
Concen: 19.95 ug/L
RT: 7.483 min Scan# 2300
Delta R.T. -0.000 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion:104 Resp: 321594

Ion	Ratio	Lower	Upper
104	100		
78	44.3	14.3	74.3
103	42.2	17.0	77.0

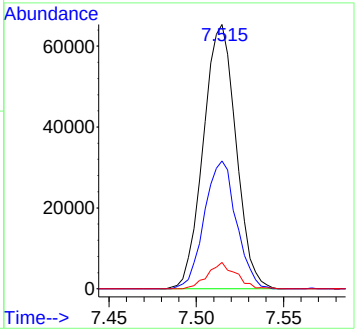


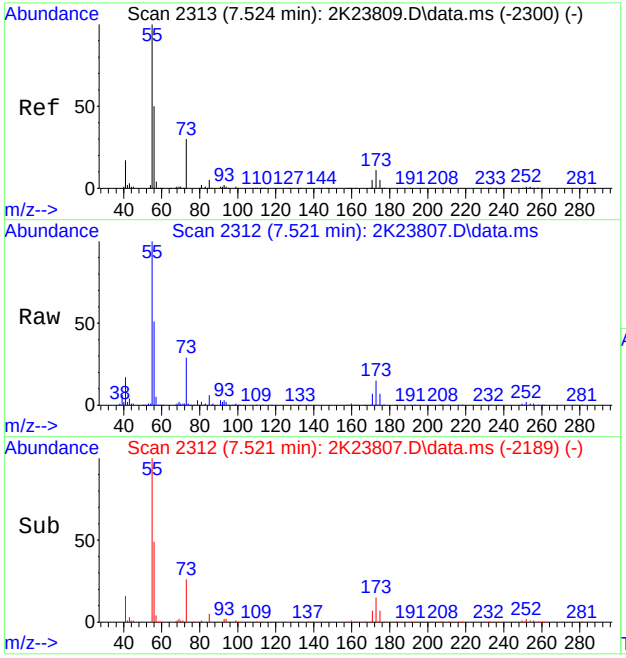


#91
bromoform
Concen: 19.28 ug/L
RT: 7.515 min Scan# 2310
Delta R.T. -0.000 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion:173 Resp: 85126

Ion	Ratio	Lower	Upper
173	100		
175	48.4	18.6	78.6
254	10.0	0.0	37.9

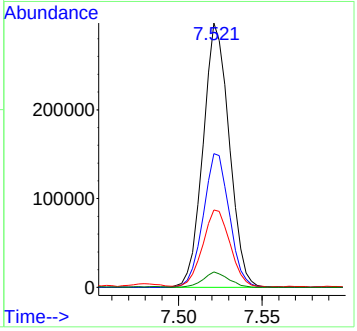


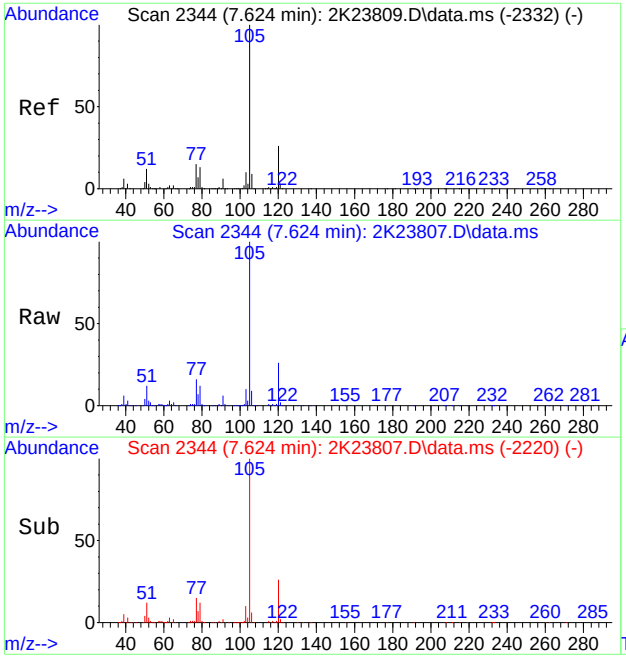


#92
butyl acrylate
Concen: 19.62 ug/L
RT: 7.521 min Scan# 2312
Delta R.T. -0.003 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 55 Resp: 324155

Ion	Ratio	Lower	Upper
55	100		
56	50.6	20.5	80.5
73	29.0	0.7	60.7
85	5.8	0.0	35.3

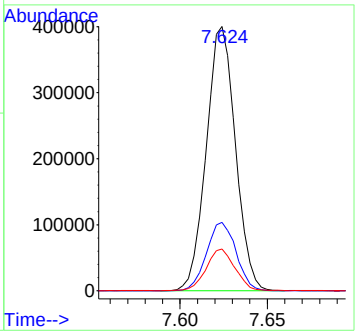


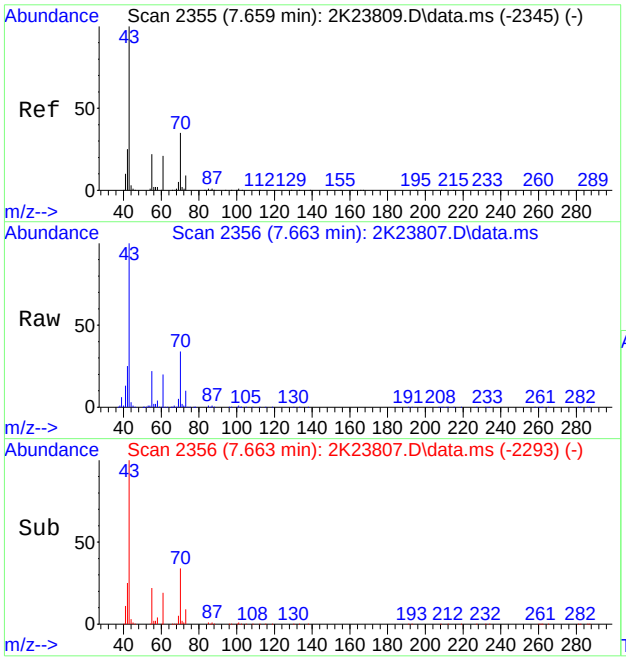


#93
isopropylbenzene
Concen: 19.72 ug/L
RT: 7.624 min Scan# 2344
Delta R.T. -0.000 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion:105 Resp: 465588

Ion	Ratio	Lower	Upper
105	100		
120	25.9	6.4	46.4
77	15.8	0.0	35.1

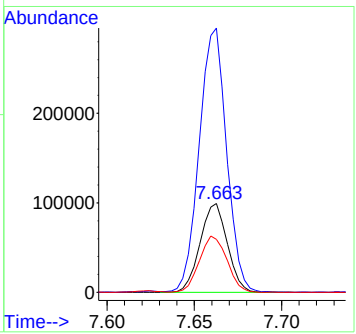


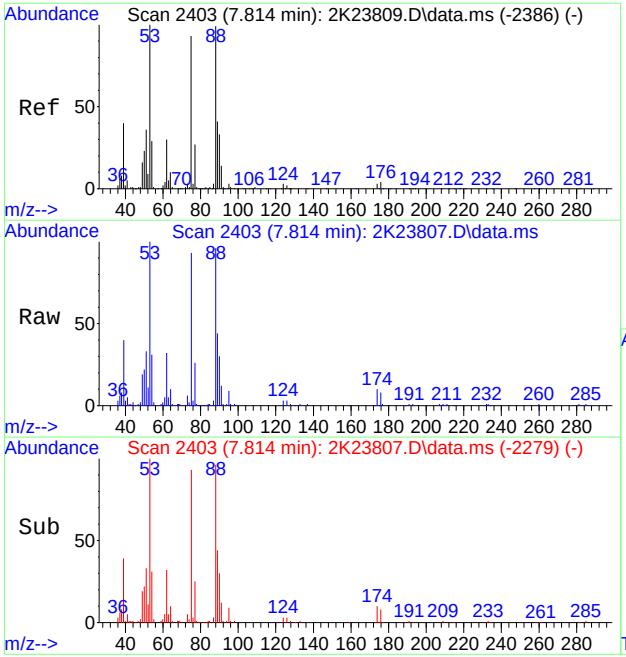


#94
n-amyl acetate
Concen: 20.54 ug/L
RT: 7.663 min Scan# 2356
Delta R.T. 0.003 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 70 Resp: 107750

Ion	Ratio	Lower	Upper
70	100		
43	297.6	265.5	305.5
61	59.8	41.9	81.9

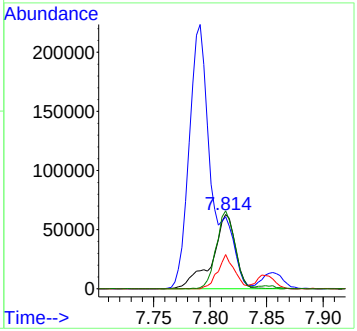


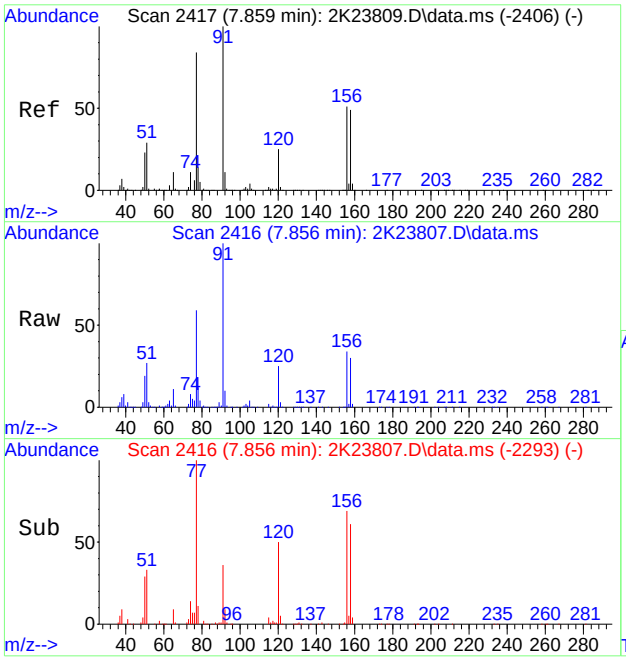


#95
cis-1,4-dichloro-2-butene
Concen: 25.15 ug/L
RT: 7.814 min Scan# 2403
Delta R.T. -0.000 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 88 Resp: 90448

Ion	Ratio	Lower	Upper
88	100		
75	96.6	73.7	113.7
89	45.9	20.9	60.9
53	104.7	81.0	121.0

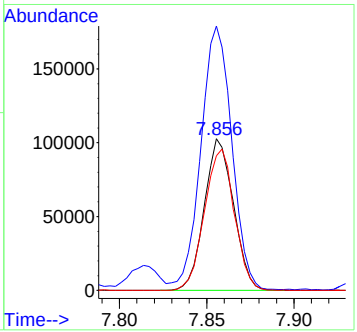


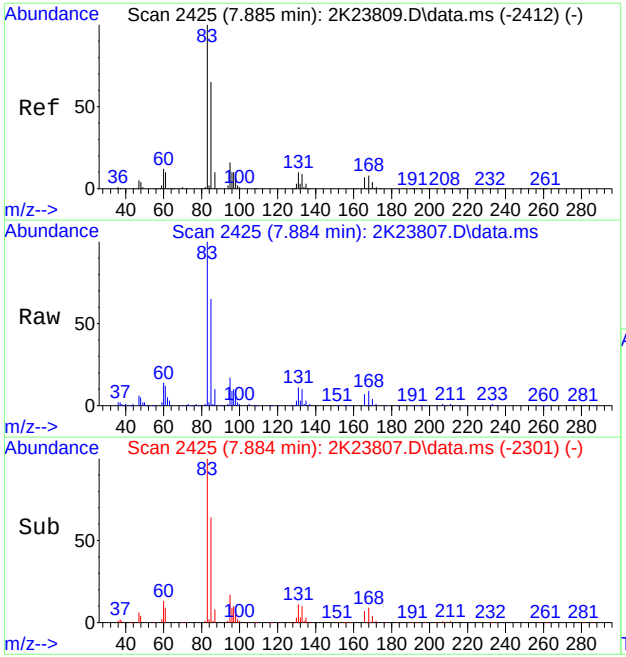


#98
bromobenzene
Concen: 19.26 ug/L
RT: 7.856 min Scan# 2416
Delta R.T. -0.003 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion:156 Resp: 119659

Ion	Ratio	Lower	Upper
156	100		
77	173.8	144.3	204.3
158	88.7	66.5	126.5

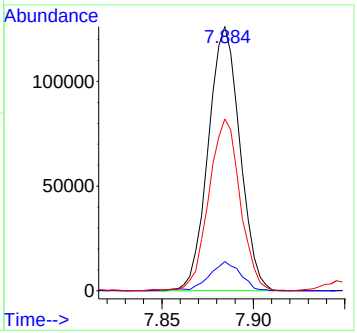


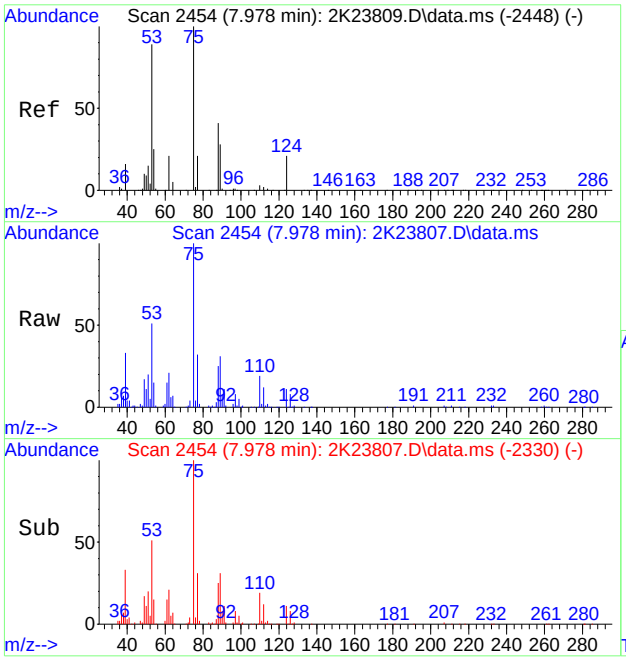


#99
1,1,2,2-tetrachloroethane
Concen: 18.97 ug/L
RT: 7.884 min Scan# 2425
Delta R.T. -0.000 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 83 Resp: 152015

Ion	Ratio	Lower	Upper
83	100		
131	11.0	0.0	40.0
85	64.8	35.3	95.3

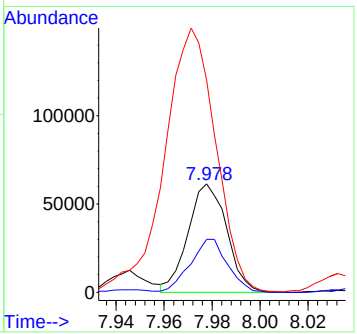


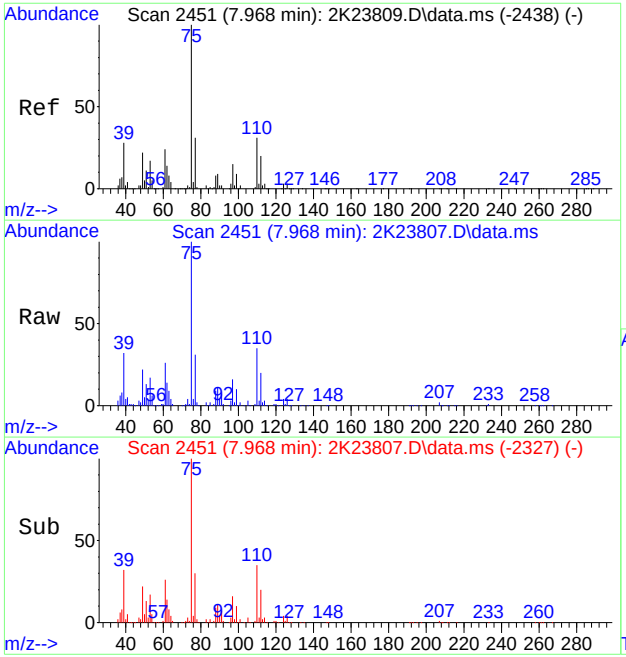


#100
trans-1,4-dichloro-2-butene
Concen: 18.31 ug/L
RT: 7.978 min Scan# 2454
Delta R.T. -0.000 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 53 Resp: 68560

Ion	Ratio	Lower	Upper
53	100		
88	48.8	15.2	75.2
75	194.8	166.9	226.9

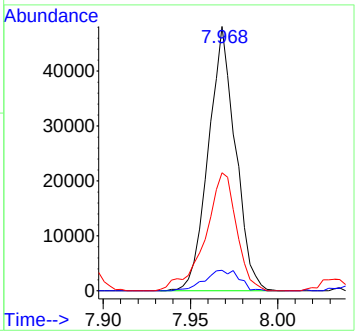


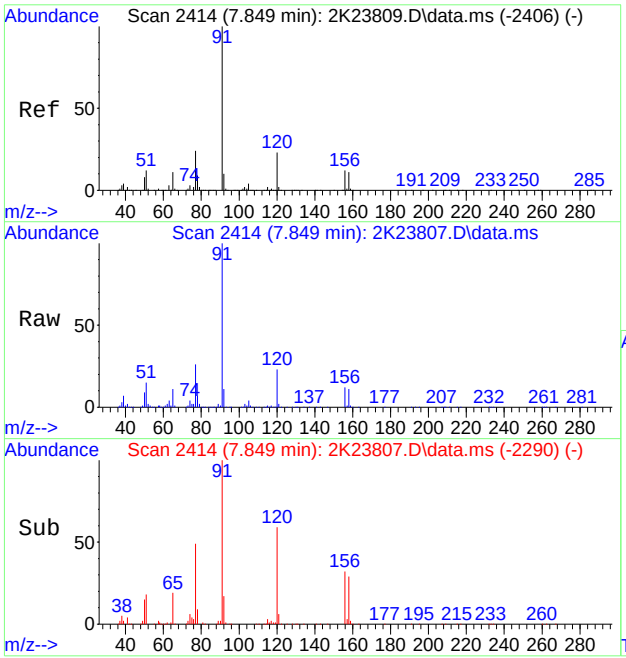


#101
1,2,3-trichloropropane
Concen: 19.01 ug/L
RT: 7.968 min Scan# 2451
Delta R.T. -0.000 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion:110 Resp: 51827

Ion	Ratio	Lower	Upper
110	100		
111	7.8	0.0	39.3
97	44.6	17.7	77.7

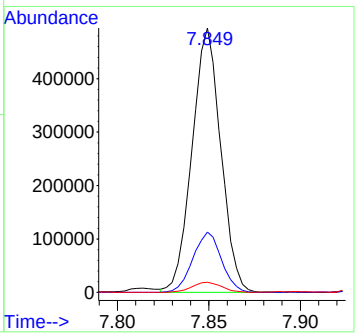


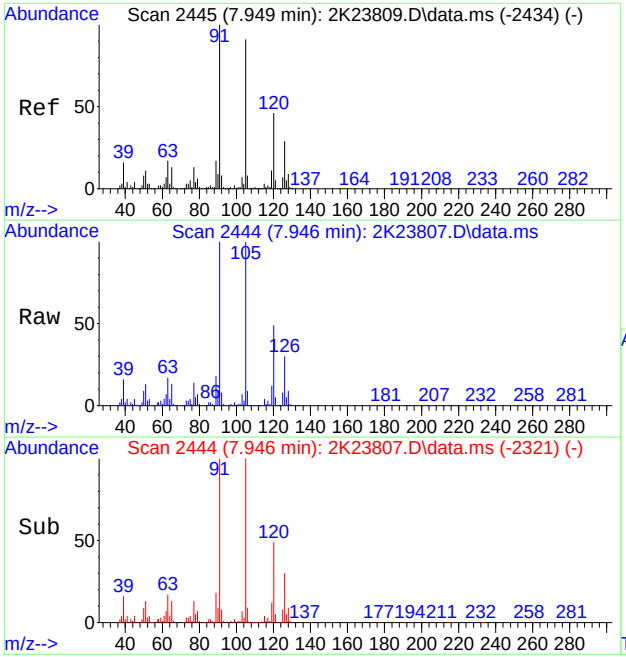


#102
n-propylbenzene
Concen: 19.36 ug/L
RT: 7.849 min Scan# 2414
Delta R.T. -0.000 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 91 Resp: 543372

Ion	Ratio	Lower	Upper
91	100		
120	22.8	0.0	52.7
105	3.8	0.0	34.0

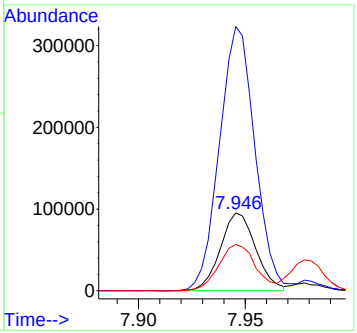


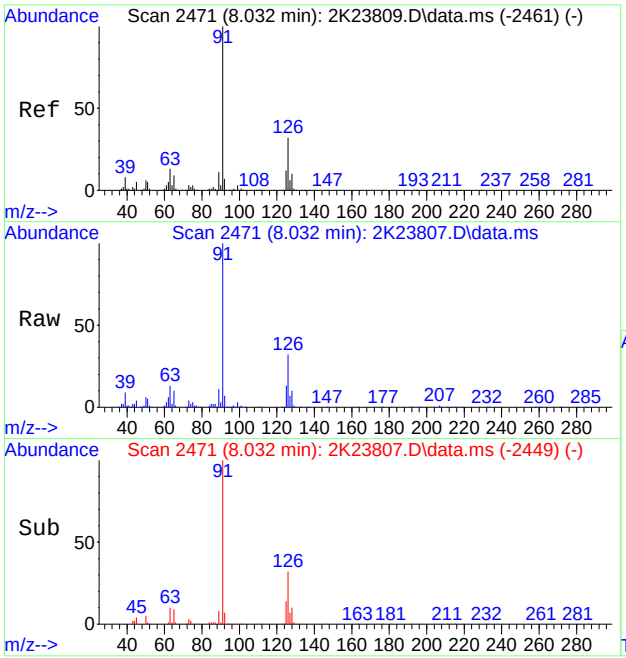


#103
2-chlorotoluene
Concen: 18.91 ug/L
RT: 7.946 min Scan# 2444
Delta R.T. -0.003 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion:126 Resp: 110180

Ion	Ratio	Lower	Upper
126	100		
91	338.9	309.9	369.9
89	59.5	27.7	87.7

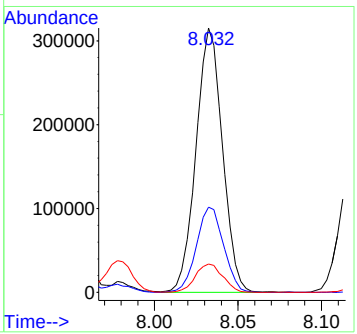


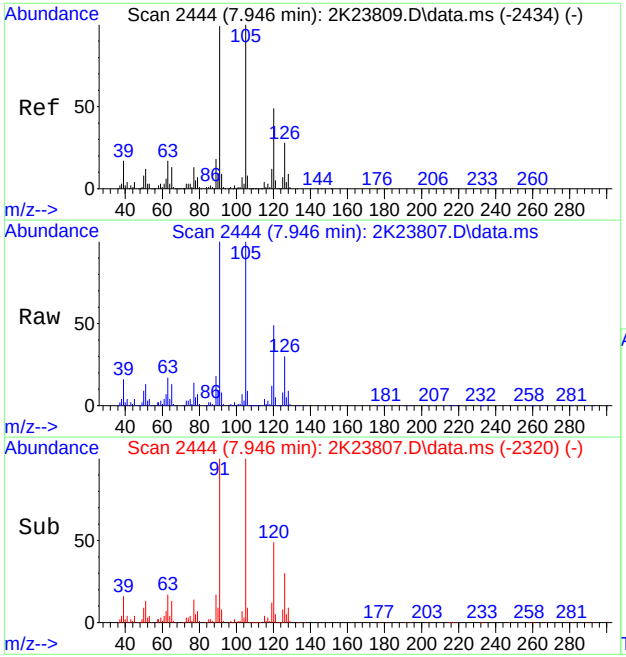


#104
4-chlorotoluene
Concen: 18.67 ug/L
RT: 8.032 min Scan# 2471
Delta R.T. -0.000 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 91 Resp: 347154

Ion	Ratio	Lower	Upper
91	100		
126	32.3	1.8	61.8
89	10.6	0.0	41.0

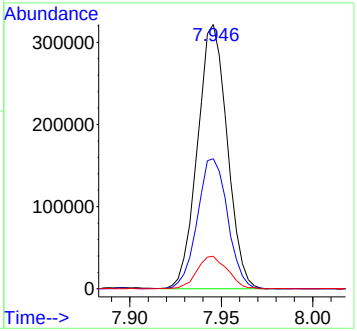


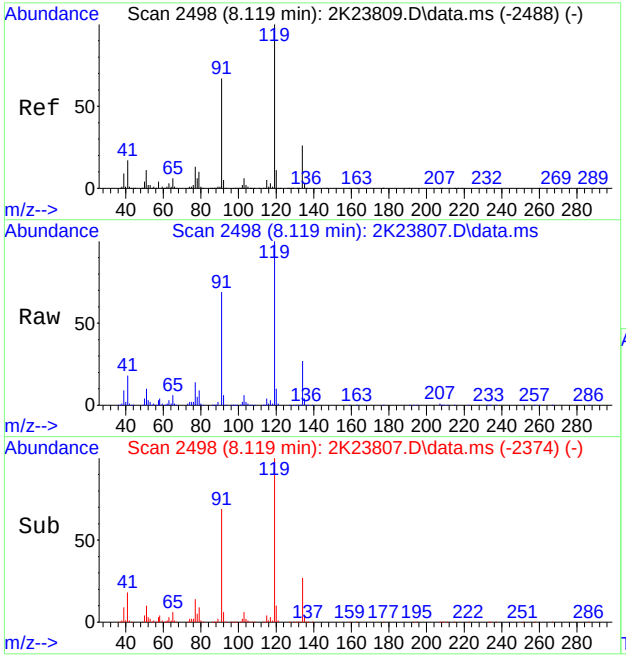


#105
1,3,5-trimethylbenzene
Concen: 18.88 ug/L
RT: 7.946 min Scan# 2444
Delta R.T. -0.000 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion:105 Resp: 365072

Ion	Ratio	Lower	Upper
105	100		
120	49.2	19.0	79.0
119	12.2	0.0	42.0

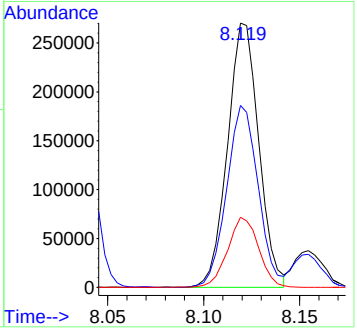


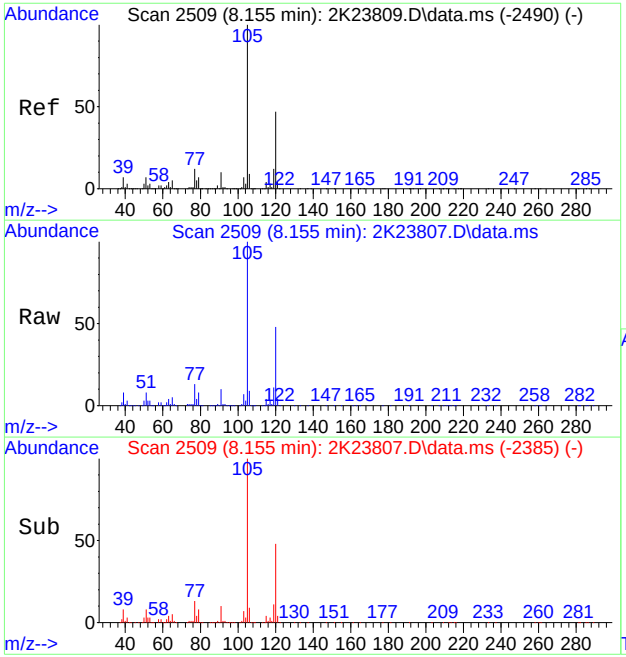


#106
tert-butylbenzene
Concen: 18.43 ug/L
RT: 8.119 min Scan# 2498
Delta R.T. -0.000 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion:119 Resp: 307019

Ion	Ratio	Lower	Upper
119	100		
91	68.7	37.4	97.4
134	26.5	0.0	55.8

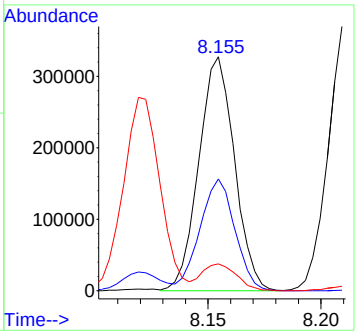


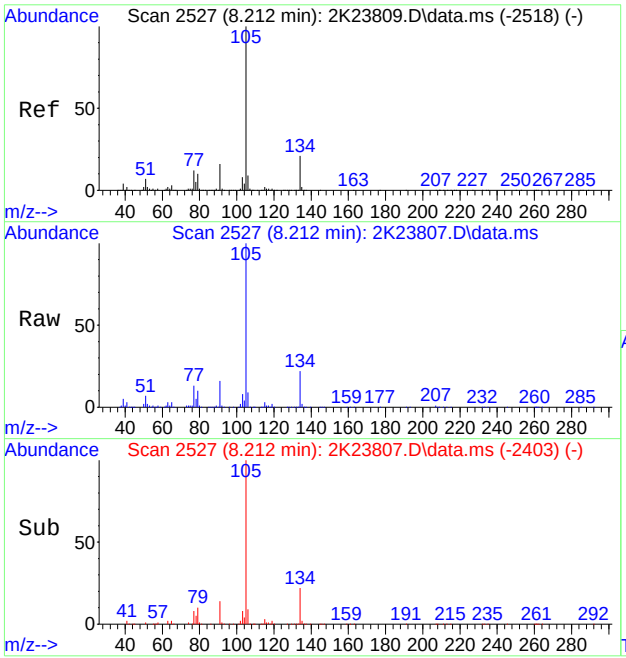


#107
1,2,4-trimethylbenzene
Concen: 18.82 ug/L
RT: 8.155 min Scan# 2509
Delta R.T. -0.000 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion:105 Resp: 359603

Ion	Ratio	Lower	Upper
105	100		
120	47.9	16.8	76.8
119	11.4	0.0	42.0

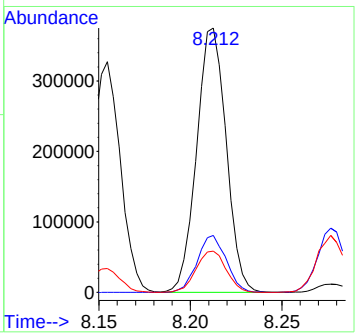


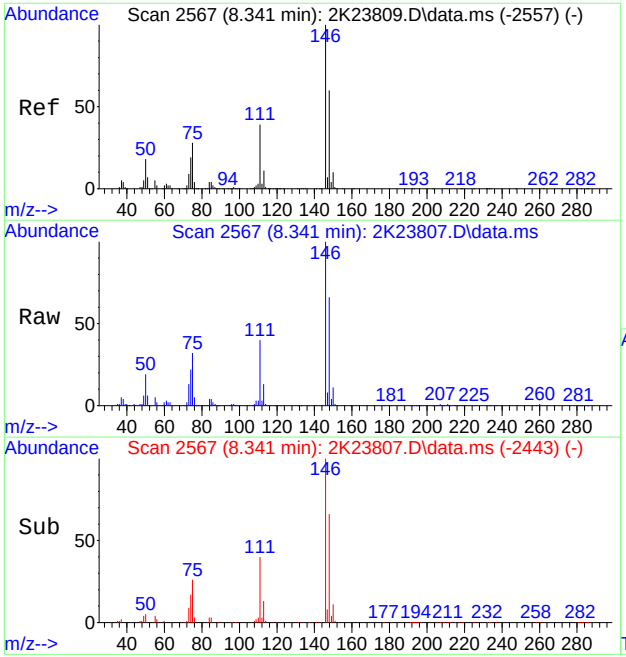


#108
sec-butylbenzene
Concen: 19.53 ug/L
RT: 8.212 min Scan# 2527
Delta R.T. -0.000 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion:105 Resp: 422043

Ion	Ratio	Lower	Upper
105	100		
134	21.5	0.0	51.4
91	15.6	0.0	45.7

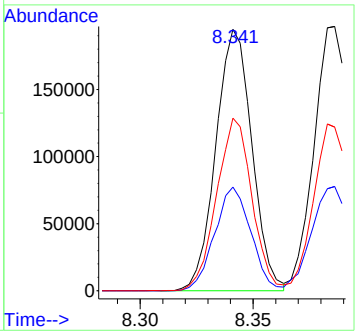


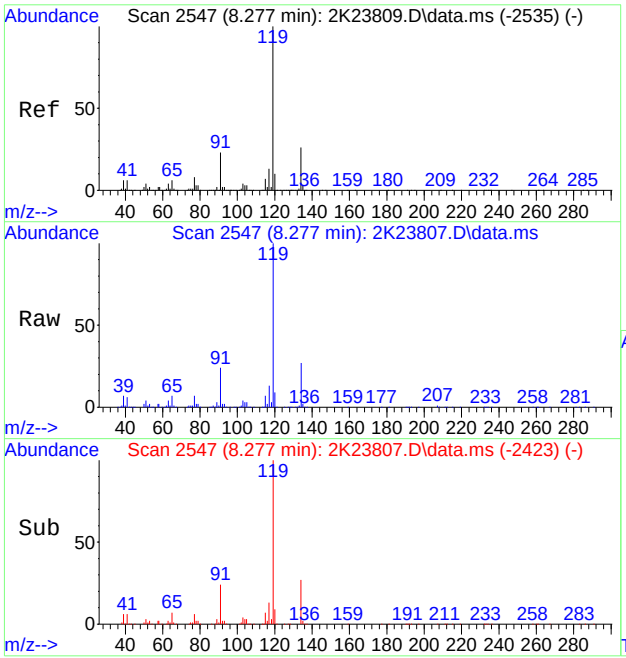


#109
1,3-dichlorobenzene
Concen: 18.84 ug/L
RT: 8.341 min Scan# 2567
Delta R.T. -0.000 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion:146 Resp: 215987

Ion	Ratio	Lower	Upper
146	100		
111	39.7	8.6	68.6
148	66.1	29.8	89.8

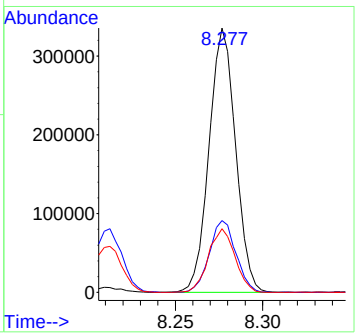


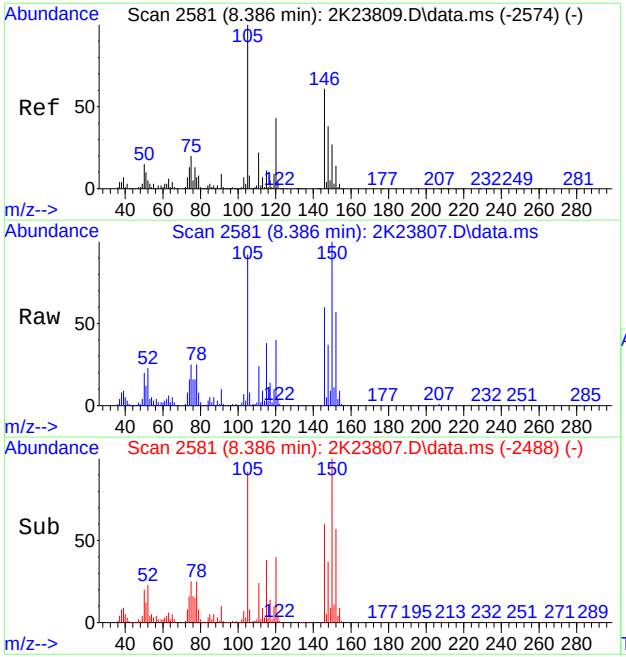


#110
p-isopropyltoluene
Concen: 18.59 ug/L
RT: 8.277 min Scan# 2547
Delta R.T. -0.000 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion:119 Resp: 354950

Ion	Ratio	Lower	Upper
119	100		
134	27.2	0.0	56.0
91	24.1	0.0	53.4

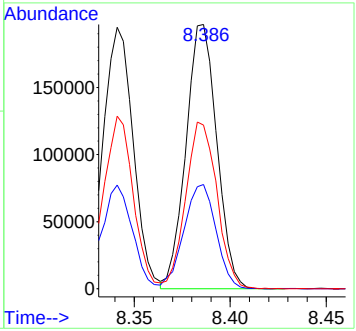


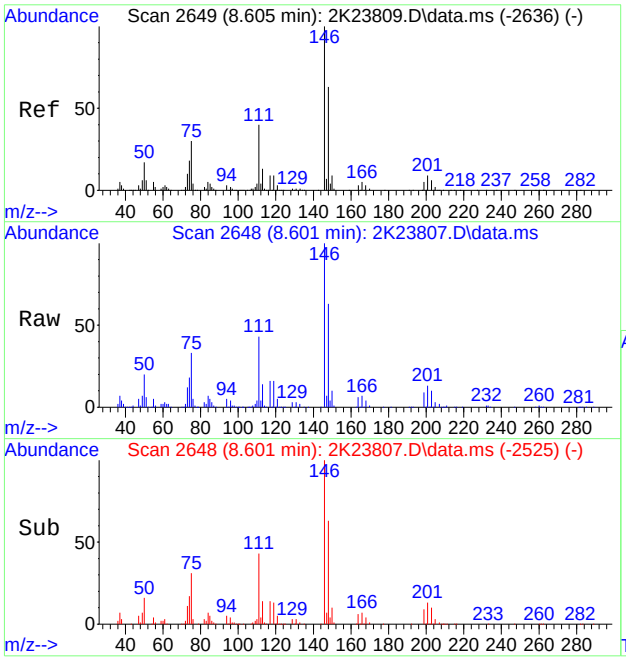


#111
1,4-dichlorobenzene
Concen: 19.36 ug/L
RT: 8.386 min Scan# 2581
Delta R.T. -0.000 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion:146 Resp: 220812

Ion	Ratio	Lower	Upper
146	100		
111	39.4	6.3	66.3
148	62.0	32.9	92.9

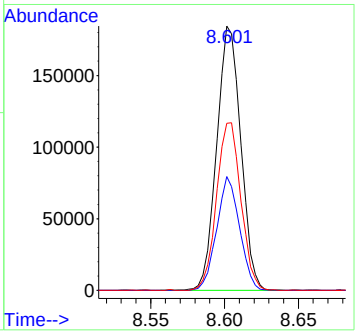


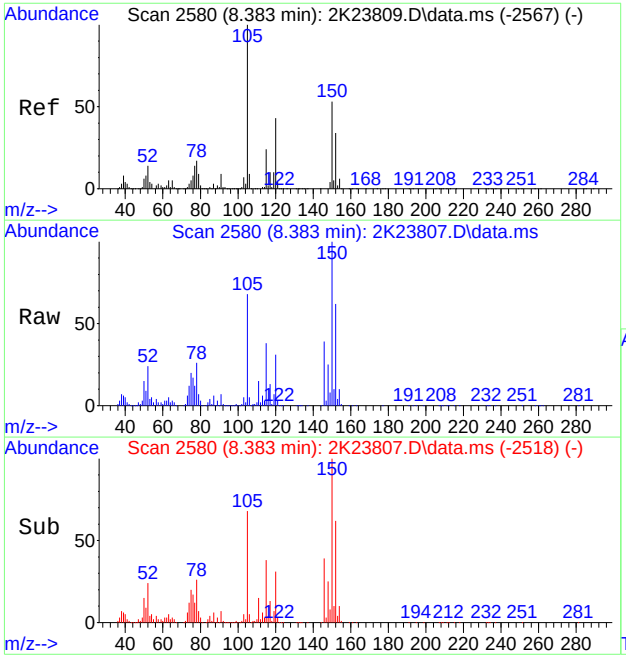


#112
1,2-dichlorobenzene
Concen: 19.14 ug/L
RT: 8.601 min Scan# 2648
Delta R.T. -0.003 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion:146 Resp: 208753

Ion	Ratio	Lower	Upper
146	100		
111	43.0	10.0	70.0
148	63.2	33.3	93.3

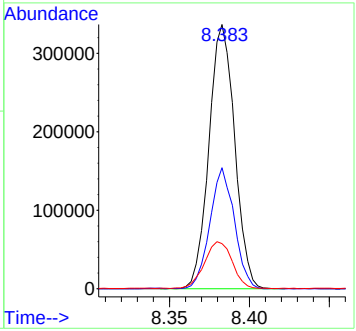


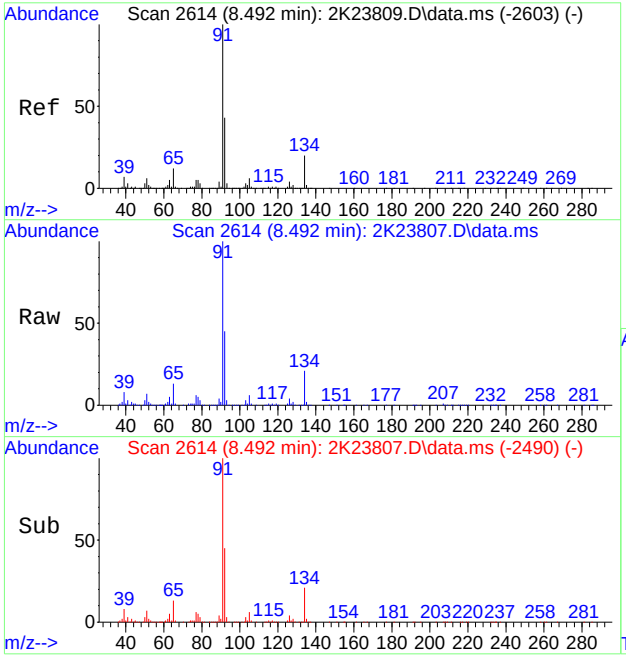


#113
1,2,3-trimethylbenzene
Concen: 18.75 ug/L
RT: 8.383 min Scan# 2580
Delta R.T. -0.000 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion:105 Resp: 376757

Ion	Ratio	Lower	Upper
105	100		
120	45.8	13.3	73.3
77	16.9	0.0	43.9

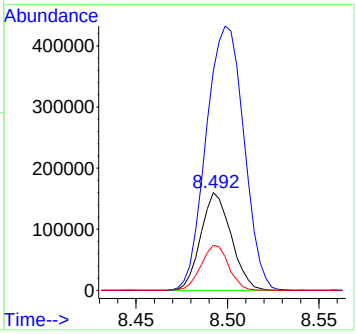


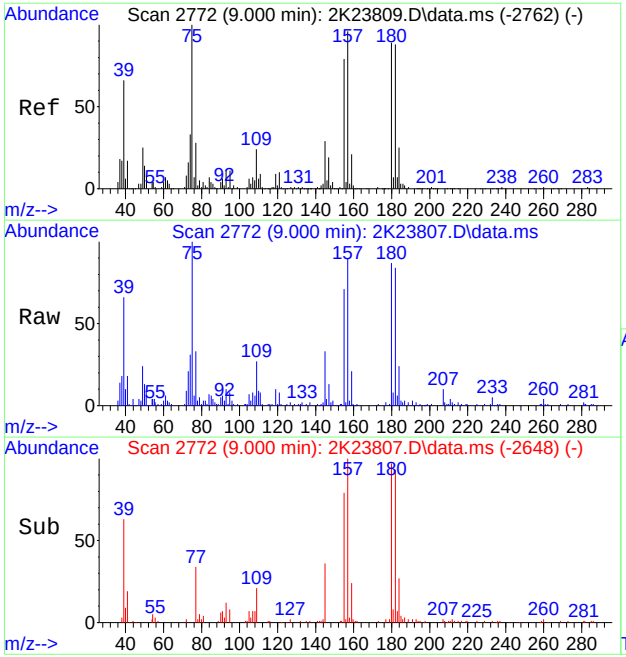


#114
n-butylbenzene
Concen: 19.73 ug/L
RT: 8.492 min Scan# 2614
Delta R.T. -0.000 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion: 92 Resp: 185107

Ion	Ratio	Lower	Upper
92	100		
91	224.1	203.0	263.0
134	46.2	17.1	77.1

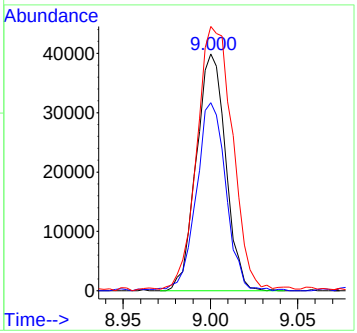


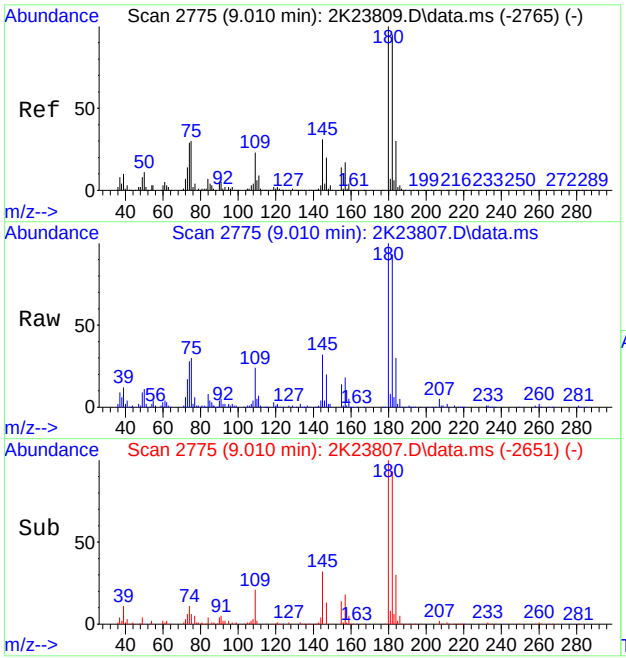


#115
1,2-dibromo-3-chloropropane
Concen: 18.69 ug/L
RT: 9.000 min Scan# 2772
Delta R.T. -0.000 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion:157 Resp: 46726

Ion	Ratio	Lower	Upper
157	100		
155	78.9	52.3	112.3
75	111.1	74.2	134.2

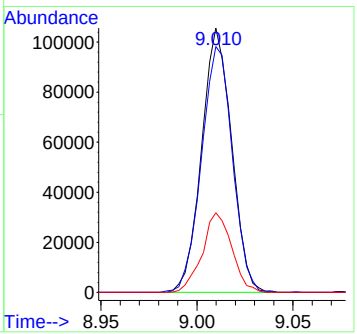


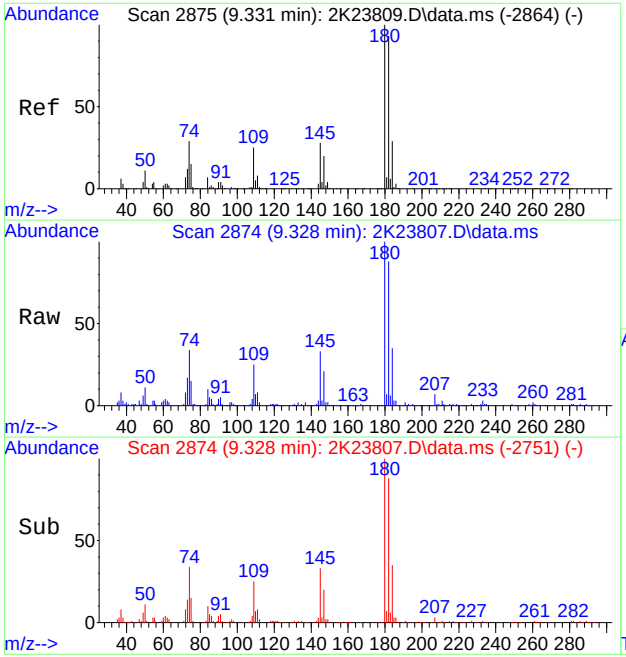


#116
1,3,5-trichlorobenzene
Concen: 18.25 ug/L
RT: 9.010 min Scan# 2775
Delta R.T. -0.000 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion:180 Resp: 115049

Ion	Ratio	Lower	Upper
180	100		
182	92.9	74.7	114.7
184	30.1	9.9	49.9

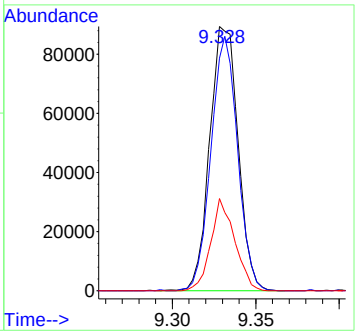


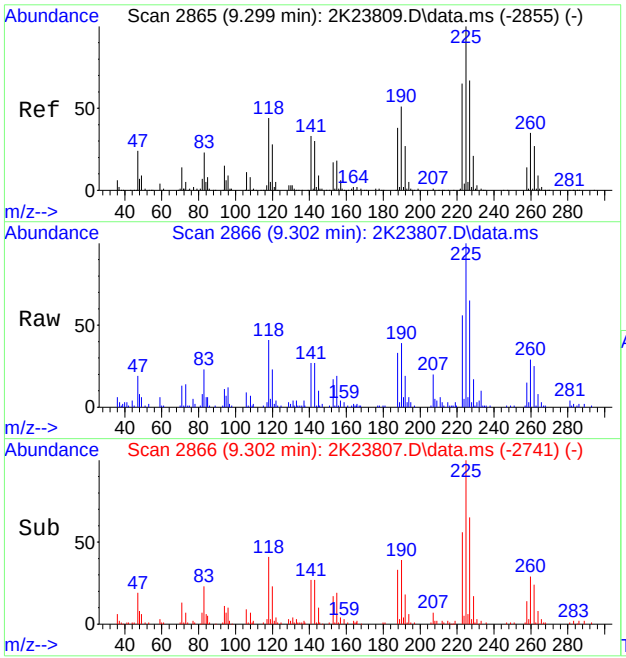


#117
1,2,4-trichlorobenzene
Concen: 19.31 ug/L
RT: 9.328 min Scan# 2874
Delta R.T. -0.003 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion:180 Resp: 105659

Ion	Ratio	Lower	Upper
180	100		
182	88.0	63.0	123.0
184	34.9	0.0	59.0

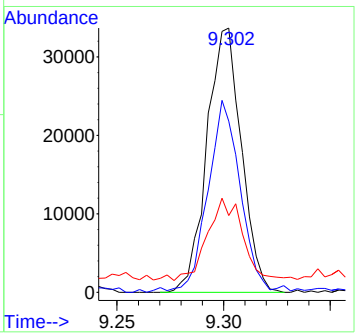


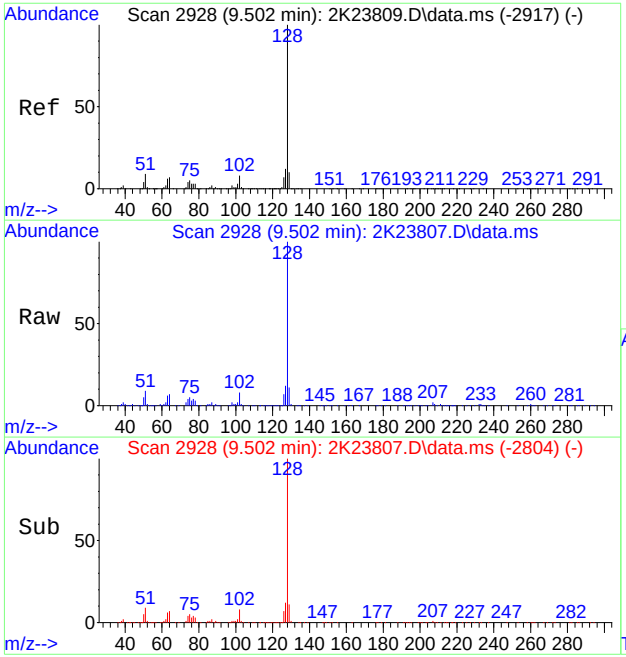


#118
hexachlorobutadiene
Concen: 18.63 ug/L
RT: 9.302 min Scan# 2866
Delta R.T. 0.003 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion:225 Resp: 37920

Ion	Ratio	Lower	Upper
225	100		
227	62.9	36.8	96.8
260	23.7	5.2	65.2

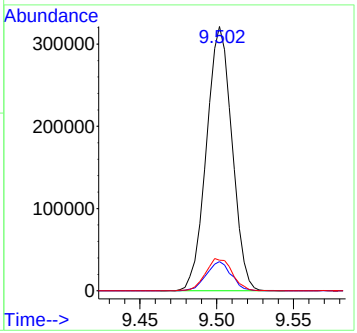


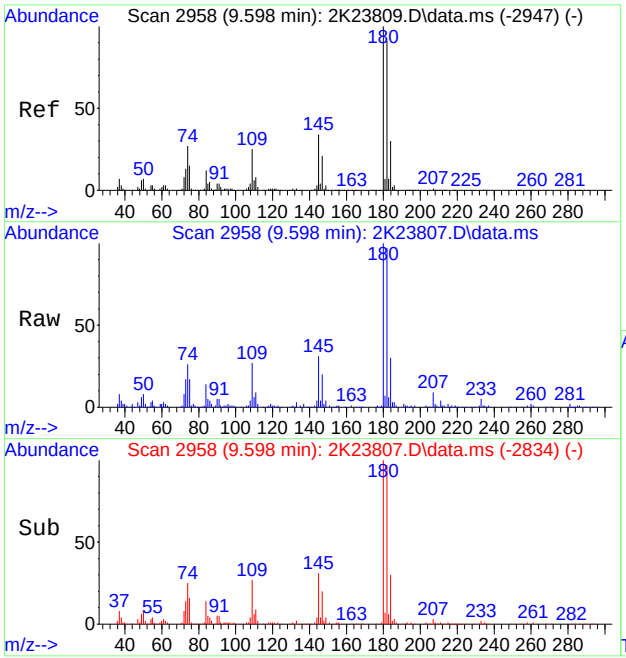


#119
naphthalene
Concen: 18.87 ug/L
RT: 9.502 min Scan# 2928
Delta R.T. -0.000 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion:128 Resp: 371805

Ion	Ratio	Lower	Upper
128	100		
129	11.1	0.0	40.4
127	11.6	0.0	42.1

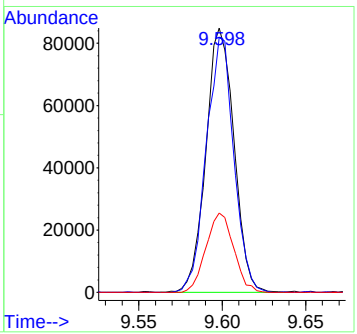


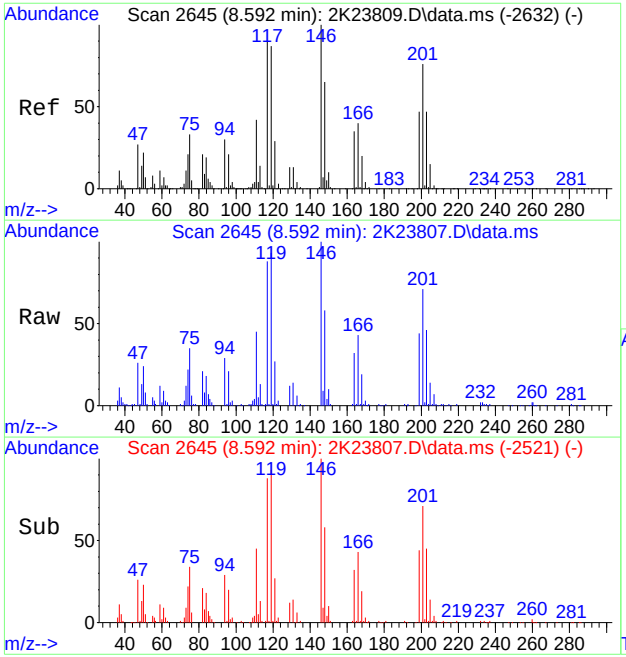


#120
1,2,3-trichlorobenzene
Concen: 18.97 ug/L
RT: 9.598 min Scan# 2958
Delta R.T. -0.000 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion:180 Resp: 99334

Ion	Ratio	Lower	Upper
180	100		
182	96.5	60.8	120.8
184	30.1	0.3	60.3

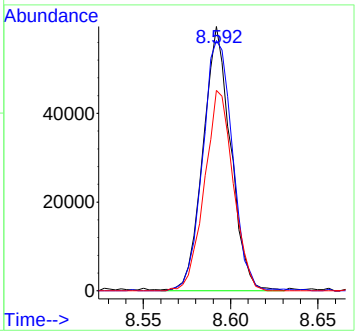


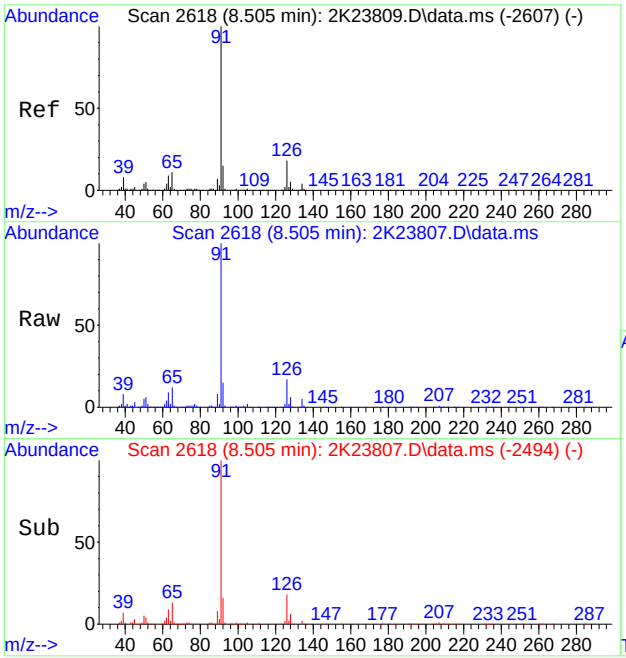


#121
hexachloroethane
Concen: 18.67 ug/L
RT: 8.592 min Scan# 2645
Delta R.T. -0.000 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion:119 Resp: 65486

Ion	Ratio	Lower	Upper
119	100		
117	94.6	72.5	132.5
201	75.8	56.6	116.6

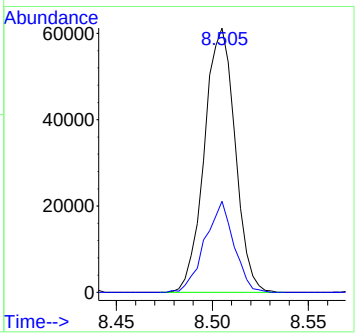


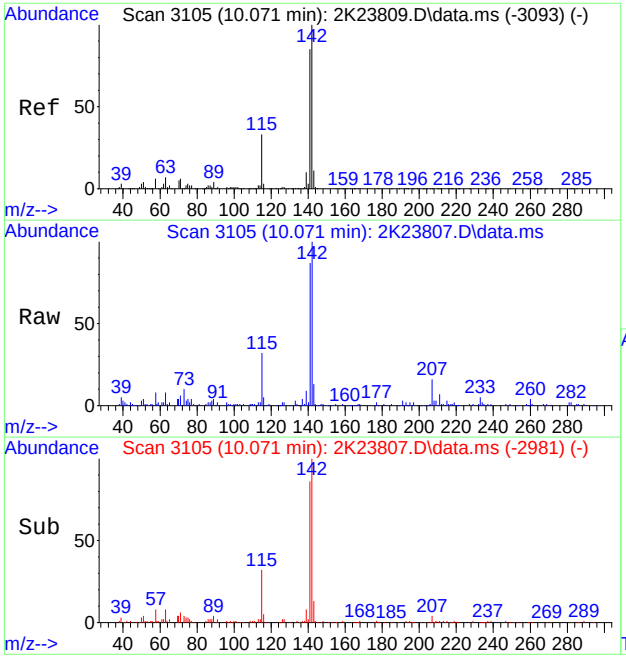


#122
benzyl chloride
Concen: 18.68 ug/L
RT: 8.505 min Scan# 2618
Delta R.T. -0.000 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion:126 Resp: 68183

Ion	Ratio	Lower	Upper
126	100		
128	34.5	1.1	61.1

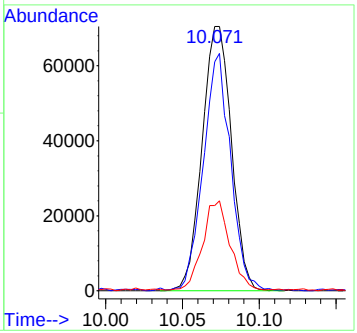




#123
2-methylnaphthalene
Concen: 9.46 ug/L
RT: 10.071 min Scan# 3105
Delta R.T. -0.000 min
Lab File: 2K23807.D
Acq: 6 Sep 2025 12:49 am

Tgt Ion:142 Resp: 93762

Ion	Ratio	Lower	Upper
142	100		
141	86.3	54.5	114.5
115	32.0	3.3	63.3



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 2K23809.D
Acq On : 6 Sep 2025 1:23 am
Operator : PrashanS
Sample : ICC658-50
Misc : MS95614,V2K658,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 08 12:10:05 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 12:09:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	3.505	65	824258	500.00	ug/L	0.00
5) pentafluorobenzene	4.811	168	793990	50.00	ug/L	0.00
50) 1,4-difluorobenzene	5.174	114	1288080	50.00	ug/L	0.00
72) chlorobenzene-d5	7.110	117	1064799	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	8.376	152	516735	50.00	ug/L	0.00
124) pentafluorobenzene(a)	4.811	168	793990	50.00	ug/L	0.00
128) 1,4-dichlorobenzene-d4(a)	8.376	152	516735	50.00	ug/L	0.00
System Monitoring Compounds						
42) dibromofluoromethane (s)	4.531	113	340375	50.00	ug/L	0.00
Spiked Amount 50.000	Range 75 - 127		Recovery = 100.00%			
51) 1,2-dichloroethane-d4 (s)	4.885	65	434911	50.00	ug/L	0.00
Spiked Amount 50.000	Range 75 - 130		Recovery = 100.00%			
73) toluene-d8 (s)	6.123	98	1464282	50.00	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.00%			
97) 4-bromofluorobenzene (s)	7.791	95	540344	50.00	ug/L	0.00
Spiked Amount 50.000	Range 79 - 127		Recovery = 100.00%			
Target Compounds						Qvalue
2) ethanol	2.840	45	1072171	5000.0000	ug/L	100
3) tertiary butyl alcohol	3.560	59	476508	250.0000	ug/L	100
4) 1,4-dioxane	5.679	88	173758	1250.0000	ug/L	100
6) chlorodifluoromethane	1.772	51	554312	50.2729	ug/L	100
7) dichlorodifluoromethane	1.730	85	410186	50.0000	ug/L	100
8) chloromethane	1.917	50	472146	50.0000	ug/L	100
9) vinyl chloride	1.981	62	403211	50.0451	ug/L	100
10) 1,3-butadiene	1.997	39	380796	50.0000	ug/L	100
11) bromomethane	2.261	96	130953	50.0000	ug/L #	100
12) chloroethane	2.361	64	207556	50.0000	ug/L	100
13) trichlorofluoromethane	2.489	101	548208	50.0000	ug/L	100
14) ethyl ether	2.734	74	190889	50.0000	ug/L	100
15) acrolein	3.158	56	108341	50.0000	ug/L	100
16) freon 113	2.930	151	236048	50.0000	ug/L	100
17) 1,1-dichloroethene	2.907	61	507978	50.0000	ug/L	100
18) acetone	3.364	58	238193	200.0000	ug/L	100
19) acetonitrile	3.701	41	945202	500.0000	ug/L	100
20) iodomethane	3.033	142	317809	50.0000	ug/L	100
21) carbon disulfide	2.949	76	850290	50.0000	ug/L	100
22) methylene chloride	3.344	84	292151	50.0000	ug/L	100
23) methyl acetate	3.447	74	83837	50.0000	ug/L	100
24) methyl tert butyl ether	3.518	73	997036	50.0000	ug/L	100
25) trans-1,2-dichloroethene	3.457	96	289647	50.0000	ug/L	100
26) hexane	3.508	57	791865	51.9819	ug/L	100
27) di-isopropyl ether	3.769	45	1320523	50.0000	ug/L	100
28) ethyl tert-butyl ether	4.016	59	1200600	50.0000	ug/L	100
29) 2-butanone	4.595	72	288505	200.0000	ug/L	100
30) 1,1-dichloroethane	3.885	63	605561	50.0000	ug/L	100
31) chloroprene	3.869	53	677314	50.0000	ug/L	100
32) acrylonitrile	3.914	52	200092	50.0000	ug/L	100
33) vinyl acetate	4.029	86	82301	50.0000	ug/L	100
34) ethyl acetate	4.460	70	53554	46.9995	ug/L	100
35) 2,2-dichloropropane	4.316	77	472379	50.0000	ug/L	100
36) cis-1,2-dichloroethene	4.242	96	303922	50.0000	ug/L	100
37) propionitrile	4.804	54	1041171	500.0000	ug/L	100
38) methyl acrylate	4.479	85	75619	50.8267	ug/L	100
39) bromochloromethane	4.377	128	140624	50.0000	ug/L	100
40) tetrahydrofuran	4.518	71	69482	50.0000	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 2K23809.D
Acq On : 6 Sep 2025 1:23 am
Operator : PrashanS
Sample : ICC658-50
Misc : MS95614,V2K658,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 08 12:10:05 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 12:09:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) chloroform	4.409	83	548924	50.0000	ug/L	100
43) methacrylonitrile	4.814	67	196661	50.0000	ug/L	100
44) 1,1,1-trichloroethane	4.563	97	477761	50.0000	ug/L	100
45) cyclohexane	4.389	84	467465	50.0000	ug/L	100
46) 1,1-dichloropropene	4.637	75	441530	50.0000	ug/L	100
47) carbon tetrachloride	4.521	117	430832	51.3628	ug/L	100
49) tert-amyl alcohol	4.946	55	166573	250.0000	ug/L	100
52) iso-octane	4.695	57	1241096	50.0196	ug/L	100
53) benzene	4.801	78	1232039	50.0000	ug/L	100
54) tert-amyl methyl ether	4.846	73	1038414	49.9994	ug/L	100
55) heptane	4.746	57	179353	49.7713	ug/L	100
56) isopropyl acetate	5.036	87	104149	50.0000	ug/L	100
57) 1,2-dichloroethane	4.926	62	470928	50.0000	ug/L	100
58) n-butyl alcohol	5.319	56	1427700	2500.0000	ug/L	100
59) ethyl acrylate	5.476	55	700292	50.0000	ug/L	100
60) trichloroethene	5.168	130	312132	50.0000	ug/L	100
61) 2-nitropropane	6.312	41	170414	50.0000	ug/L	100
62) 2-chloroethyl vinyl ether	5.926	63	1267631	250.0000	ug/L	100
63) methyl methacrylate	5.621	100	121315	50.0000	ug/L	100
64) 1,2-dichloropropane	5.515	63	342547	50.0000	ug/L	100
65) methylcyclohexane	5.171	98	225497	50.0000	ug/L	100
66) dibromomethane	5.454	93	184328	50.0000	ug/L	100
67) bromodichloromethane	5.547	83	409116	49.9985	ug/L	100
68) epichlorohydrin	6.158	57	385488	250.0000	ug/L	100
69) cis-1,3-dichloropropene	5.991	75	522509	50.0000	ug/L	100
70) 4-methyl-2-pentanone	6.386	58	913177	200.0000	ug/L	100
71) 3-methyl-1-butanol	6.219	70	434181	1000.0000	ug/L	100
74) toluene	6.158	92	774117	50.0000	ug/L	100
75) ethyl methacrylate	6.492	69	496010	50.0000	ug/L	100
76) trans-1,3-dichloropropene	6.422	75	513214	50.0000	ug/L	100
77) 1,1,2-trichloroethane	6.531	83	234224	50.0000	ug/L	100
78) tetrachloroethene	6.422	166	300513	50.0000	ug/L	100
79) 2-hexanone	6.907	58	988485	200.0000	ug/L	100
80) 1,3-dichloropropane	6.711	76	516383	50.0000	ug/L	100
81) butyl acetate	6.833	56	361616	50.0493	ug/L	100
82) dibromochloromethane	6.653	129	315818	50.0000	ug/L	100
83) 1,2-dibromoethane	6.817	107	298875	50.0000	ug/L	100
84) n-butyl ether	7.013	57	1672947	50.0000	ug/L	100
85) chlorobenzene	7.119	112	804161	50.0000	ug/L	100
86) 1,1,1,2-tetrachloroethane	7.151	131	301115	50.0000	ug/L	100
87) ethylbenzene	7.122	91	1471088	50.0000	ug/L	100
88) m,p-xylene	7.203	106	1124777	100.0000	ug/L	100
89) o-xylene	7.454	106	544955	50.0000	ug/L	100
90) styrene	7.483	104	934329	49.6844	ug/L	100
91) bromoform	7.515	173	244699	50.0000	ug/L	100
92) butyl acrylate	7.524	55	936065	50.0000	ug/L	100
93) isopropylbenzene	7.624	105	1372771	50.0000	ug/L	100
94) n-amyl acetate	7.659	70	308824	50.0000	ug/L	100
95) cis-1,4-dichloro-2-butene	7.814	88	229606	50.0000	ug/L	100
98) bromobenzene	7.859	156	336682	50.0000	ug/L	100
99) 1,1,2,2-tetrachloroethane	7.885	83	437940	50.0000	ug/L	100
100) trans-1,4-dichloro-2-b...	7.978	53	196046	50.0000	ug/L	100
101) 1,2,3-trichloropropane	7.968	110	148490	50.0000	ug/L	100
102) n-propylbenzene	7.849	91	1599395	50.0000	ug/L	100
103) 2-chlorotoluene	7.949	126	322311	50.0000	ug/L	100
104) 4-chlorotoluene	8.032	91	1025773	50.0000	ug/L	100
105) 1,3,5-trimethylbenzene	7.946	105	1069676	50.0000	ug/L	100
106) tert-butylbenzene	8.119	119	917098	50.0000	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 2K23809.D
Acq On : 6 Sep 2025 1:23 am
Operator : PrashanS
Sample : ICC658-50
Misc : MS95614,V2K658,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 08 12:10:05 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 12:09:02 2025
Response via : Initial Calibration

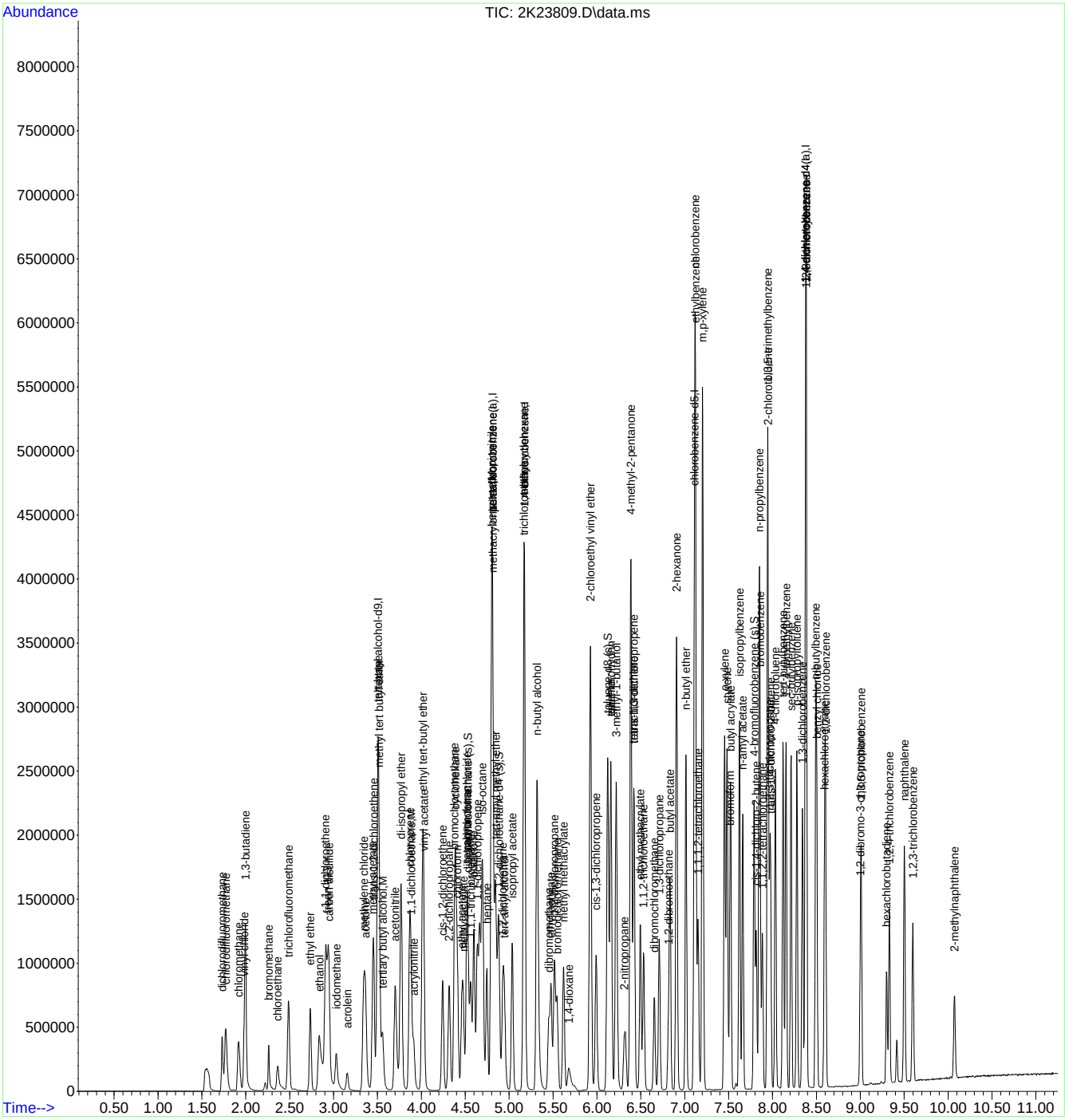
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
107) 1,2,4-trimethylbenzene	8.155	105	1073532	50.0000	ug/L	100
108) sec-butylbenzene	8.212	105	1259009	50.0000	ug/L	100
109) 1,3-dichlorobenzene	8.341	146	630937	50.0000	ug/L	100
110) p-isopropyltoluene	8.277	119	1068843	50.0000	ug/L	100
111) 1,4-dichlorobenzene	8.386	146	629015	50.0000	ug/L	100
112) 1,2-dichlorobenzene	8.605	146	599355	50.0000	ug/L	100
113) 1,2,3-trimethylbenzene	8.383	105	1092899	50.0000	ug/L	100
114) n-butylbenzene	8.492	92	537866	50.0000	ug/L	100
115) 1,2-dibromo-3-chloropr...	9.000	157	134233	50.0000	ug/L	100
116) 1,3,5-trichlorobenzene	9.010	180	337031	50.0000	ug/L	100
117) 1,2,4-trichlorobenzene	9.331	180	302799	50.0000	ug/L	100
118) hexachlorobutadiene	9.299	225	111332	50.0000	ug/L	100
119) naphthalene	9.502	128	1054184	50.0000	ug/L	100
120) 1,2,3-trichlorobenzene	9.598	180	286193	50.0000	ug/L	100
121) hexachloroethane	8.592	119	186212	50.0000	ug/L	100
122) benzyl chloride	8.505	126	192584	50.0000	ug/L	100
123) 2-methylnaphthalene	10.071	142	261412	25.0000	ug/L	100

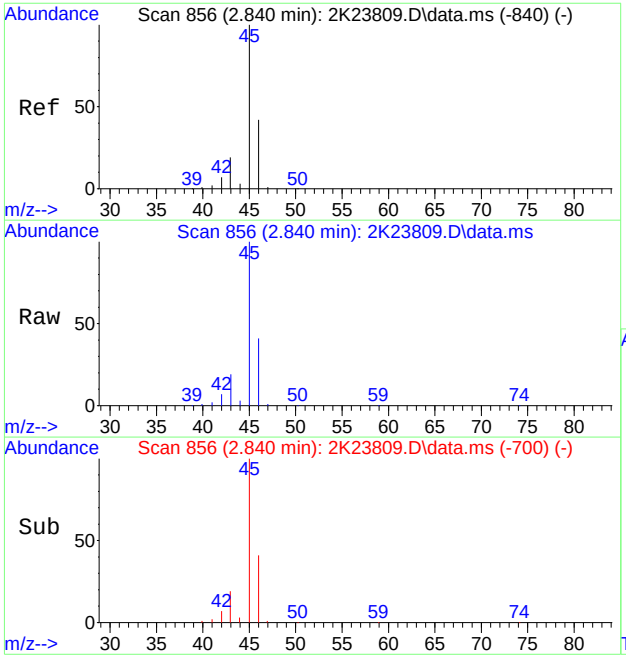
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 2K23809.D
Acq On : 6 Sep 2025 1:23 am
Operator : PrashanS
Sample : ICC658-50
Misc : MS95614,V2K658,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 08 12:10:05 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 12:09:02 2025
Response via : Initial Calibration

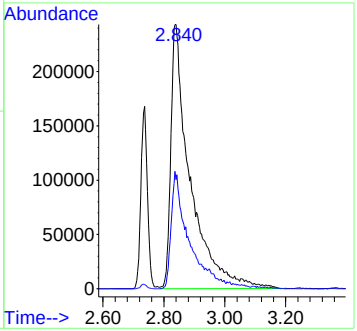


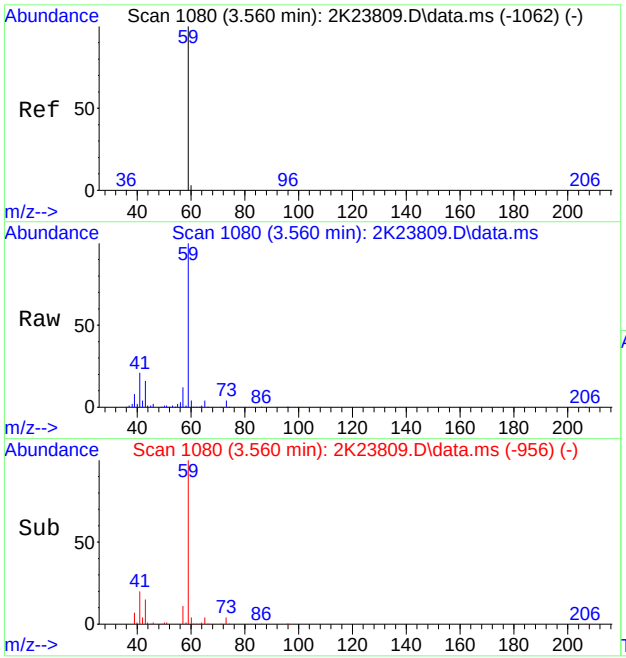


#2
ethanol
Concen: 5000.00 ug/L
RT: 2.840 min Scan# 856
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 45 Resp: 1072171

Ion	Ratio	Lower	Upper
45	100		
46	41.3	21.3	61.3

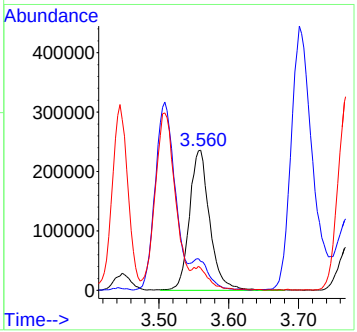


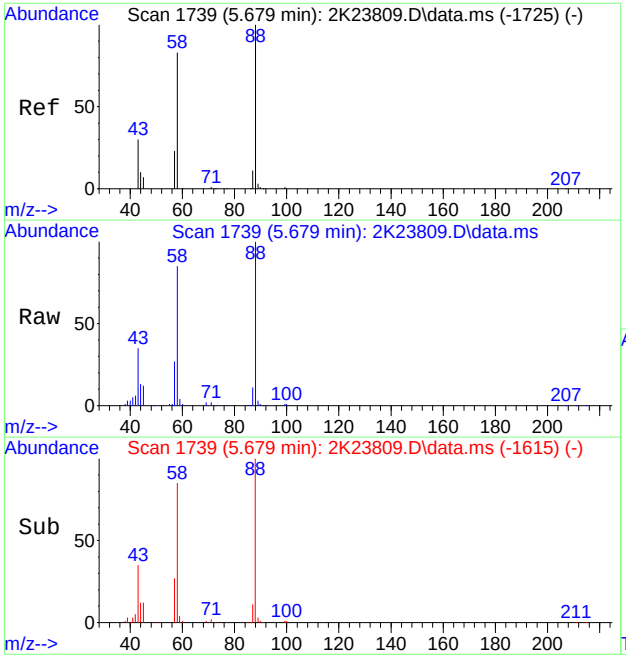


#3
tertiary butyl alcohol
Concen: 250.00 ug/L
RT: 3.560 min Scan# 1080
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 59 Resp: 476508

Ion	Ratio	Lower	Upper
59	100		
41	0.0	0.0	30.0
43	15.5	0.0	45.5

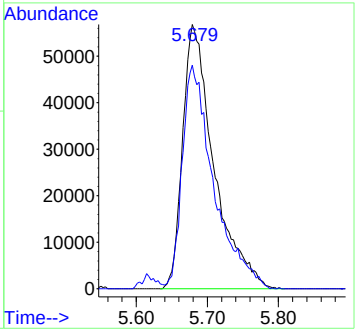


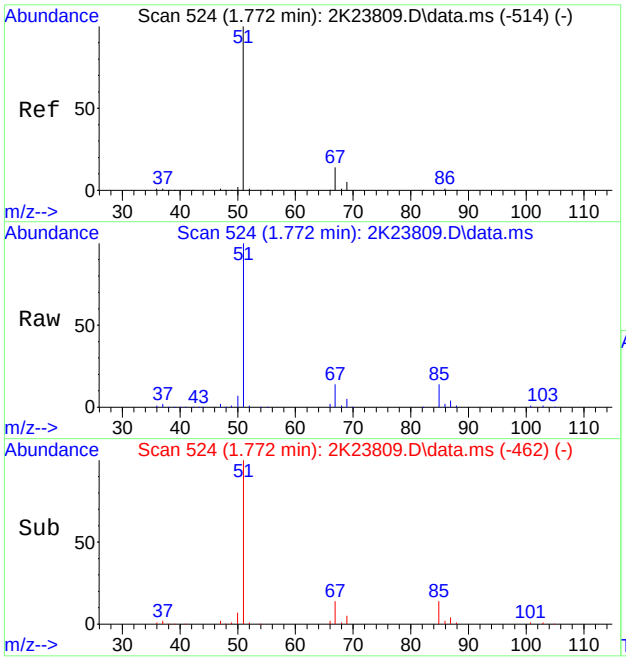


#4
1,4-dioxane
Concen: 1250.00 ug/L
RT: 5.679 min Scan# 1739
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 88 Resp: 173758

Ion	Ratio	Lower	Upper
88	100		
58	84.5	64.5	104.5

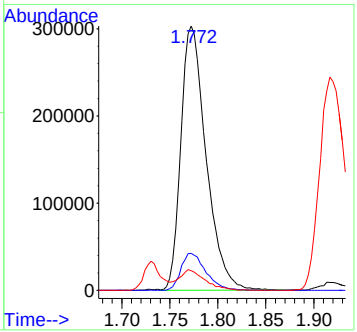


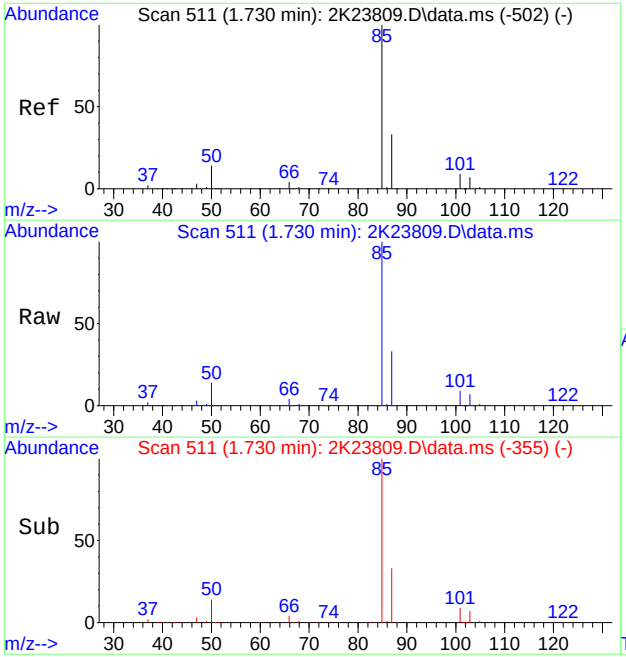


#6
chlorodifluoromethane
Concen: 50.27 ug/L
RT: 1.772 min Scan# 524
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 51 Resp: 554312

Ion	Ratio	Lower	Upper
51	100		
67	14.0	0.0	44.0
50	7.4	0.0	37.4

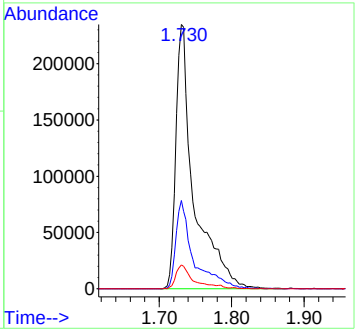


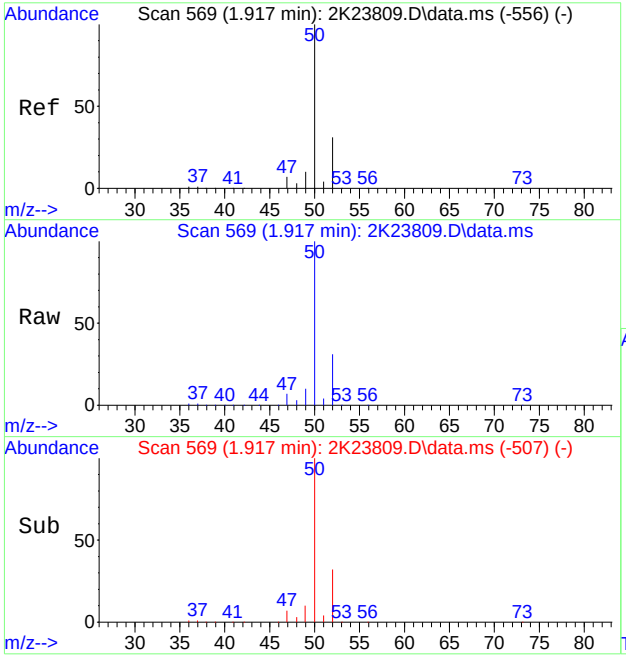


#7
dichlorodifluoromethane
Concen: 50.00 ug/L
RT: 1.730 min Scan# 511
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 85 Resp: 410186

Ion	Ratio	Lower	Upper
85	100		
87	33.4	3.4	63.4
101	9.0	0.0	39.0

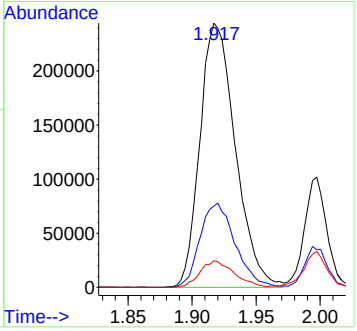


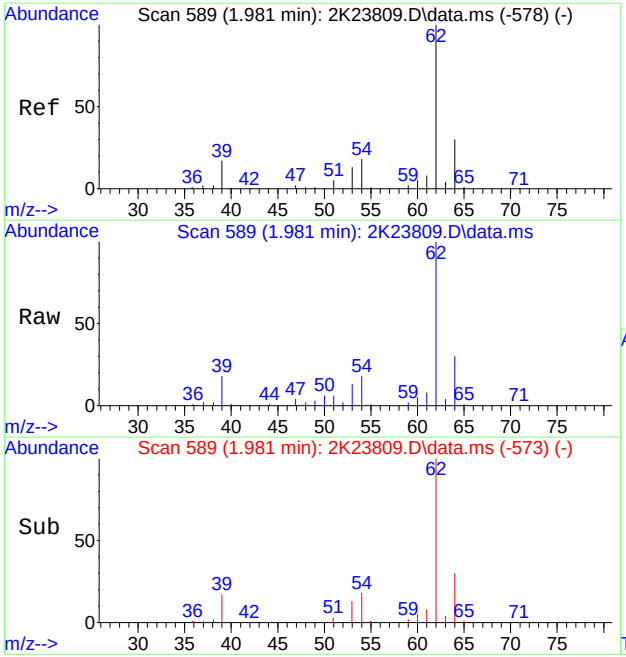


#8
chloromethane
Concen: 50.00 ug/L
RT: 1.917 min Scan# 569
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 50 Resp: 472146

Ion	Ratio	Lower	Upper
50	100		
52	30.8	0.8	60.8
49	10.1	0.0	40.1

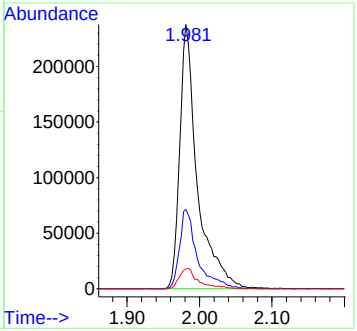


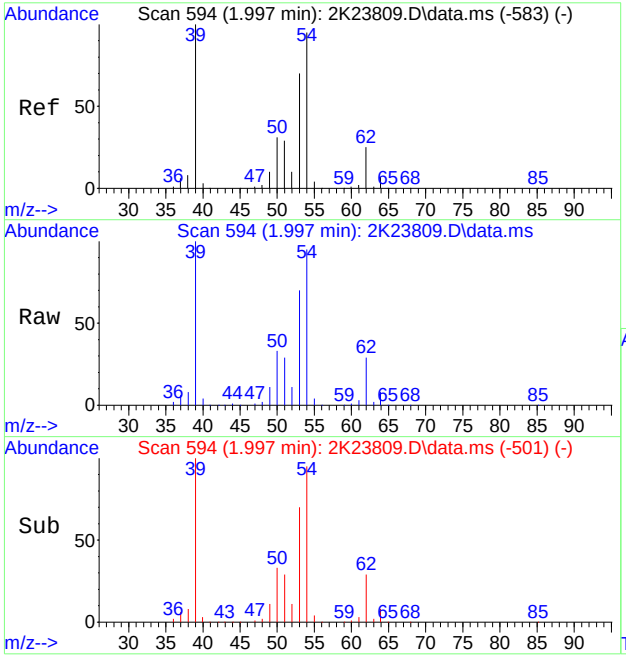


#9
vinyl chloride
Concen: 50.05 ug/L
RT: 1.981 min Scan# 589
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 62 Resp: 403211

Ion	Ratio	Lower	Upper
62	100		
64	30.0	0.0	60.0
61	7.6	0.0	37.6

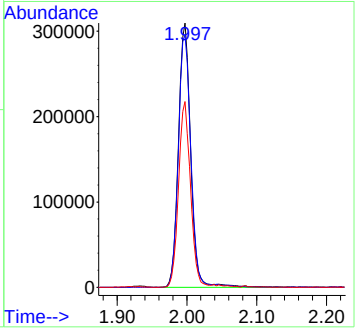


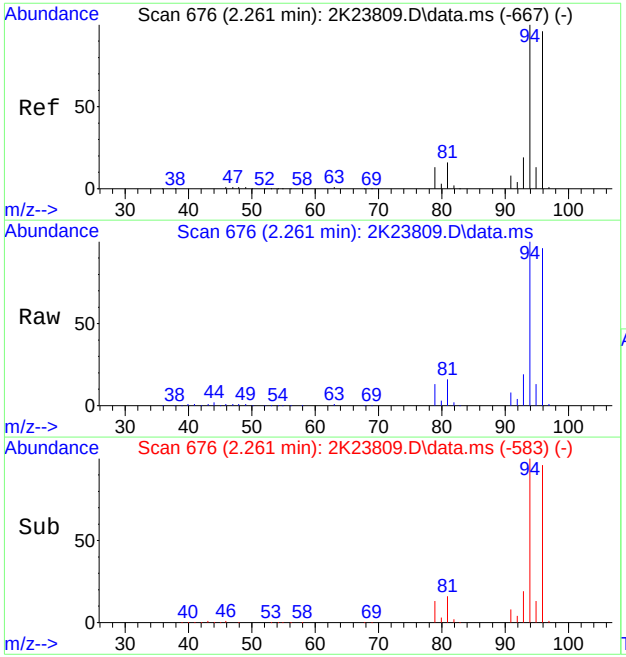


#10
1,3-butadiene
Concen: 50.00 ug/L
RT: 1.997 min Scan# 594
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 39 Resp: 380796

Ion	Ratio	Lower	Upper
39	100		
54	95.4	65.4	125.4
53	70.3	40.3	100.3

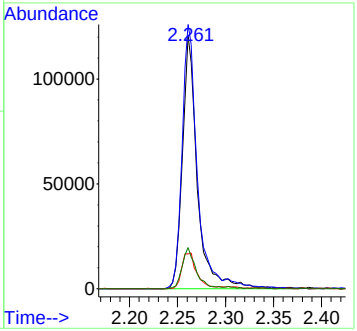


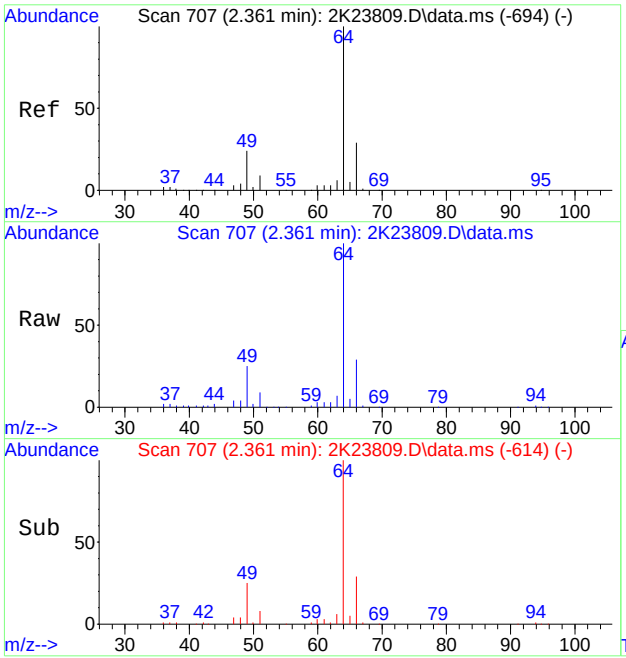


#11
bromomethane
Concen: 50.00 ug/L
RT: 2.261 min Scan# 676
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 96 Resp: 130953

Ion	Ratio	Lower	Upper
96	100		
94	104.5	74.5	134.5
79	13.7	13.7	13.7#
81	16.3	0.0	36.3

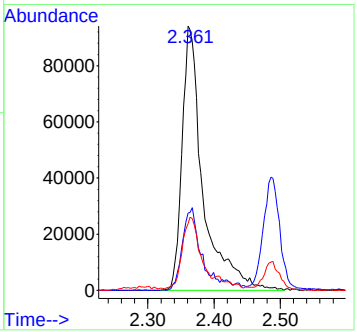


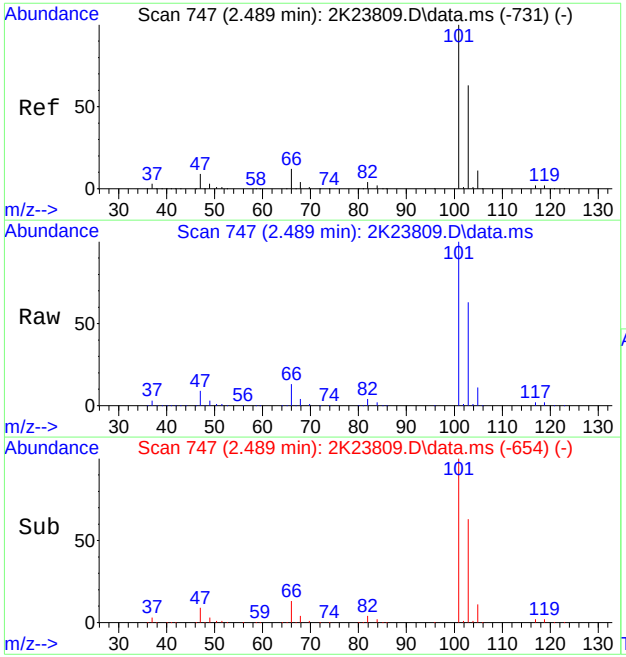


#12
chloroethane
Concen: 50.00 ug/L
RT: 2.361 min Scan# 707
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 64 Resp: 207556

Ion	Ratio	Lower	Upper
64	100		
66	29.3	0.0	59.3
49	24.3	0.0	54.3

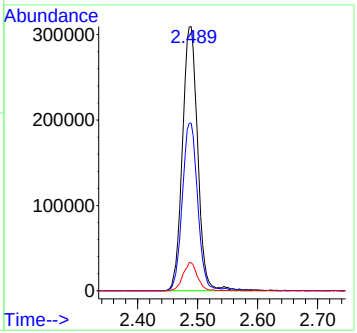


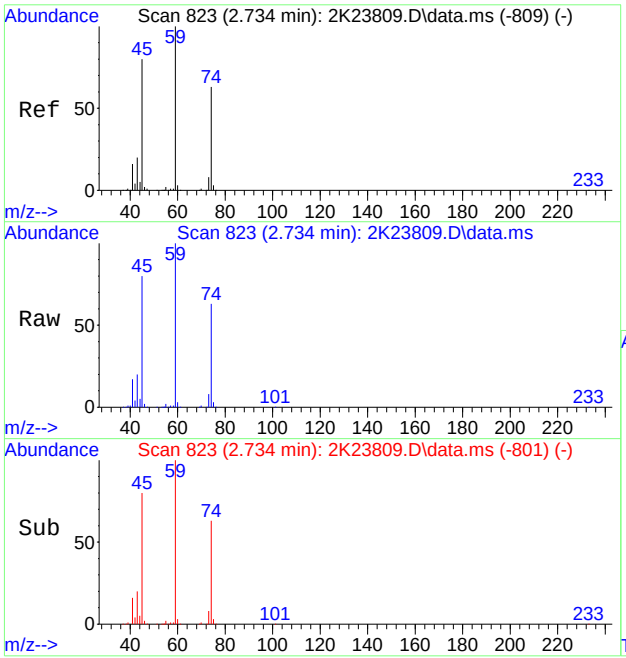


#13
trichlorofluoromethane
Concen: 50.00 ug/L
RT: 2.489 min Scan# 747
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion:101 Resp: 548208

Ion	Ratio	Lower	Upper
101	100		
103	63.3	33.3	93.3
105	10.7	0.0	40.7

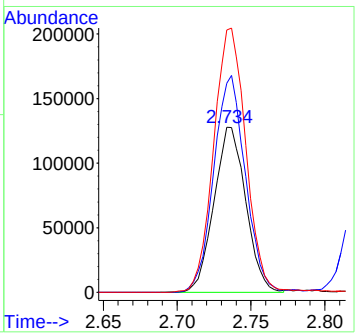


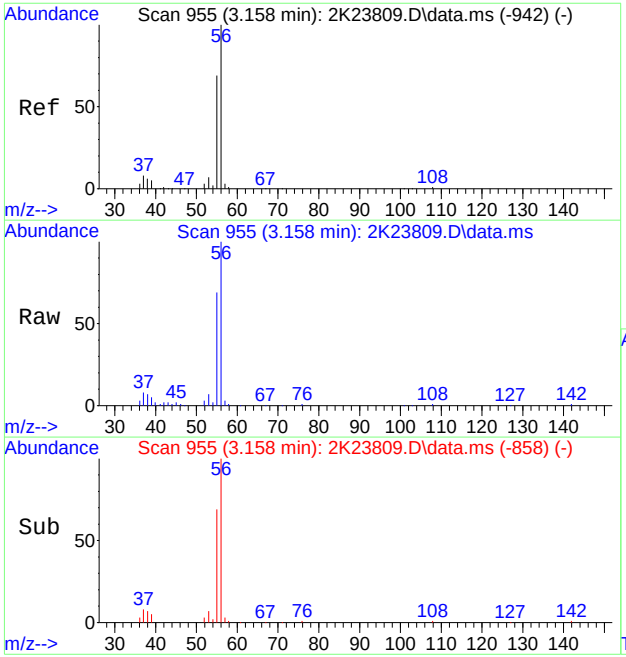


#14
ethyl ether
Concen: 50.00 ug/L
RT: 2.734 min Scan# 823
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 74 Resp: 190889

Ion	Ratio	Lower	Upper
74	100		
45	126.7	96.7	156.7
59	158.9	128.9	188.9

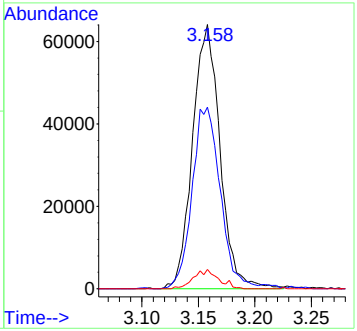


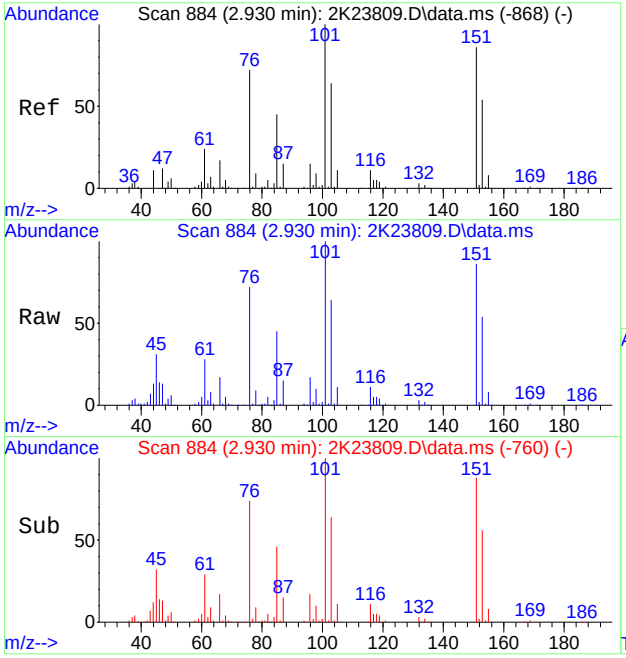


#15
acrolein
Concen: 50.00 ug/L
RT: 3.158 min Scan# 955
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 56 Resp: 108341

Ion	Ratio	Lower	Upper
56	100		
55	68.7	38.7	98.7
53	7.4	0.0	37.4

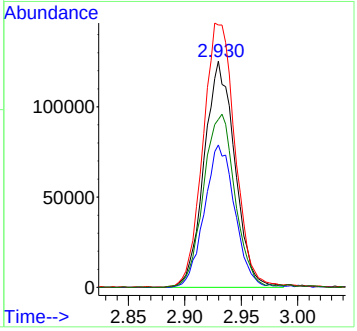


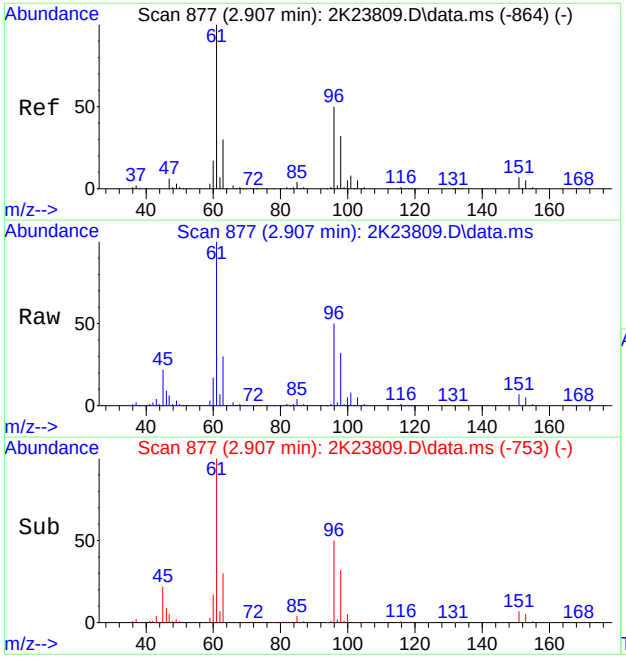


#16
freon 113
Concen: 50.00 ug/L
RT: 2.930 min Scan# 884
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion:151 Resp: 236048

Ion	Ratio	Lower	Upper
151	100		
153	63.0	43.0	83.0
101	115.9	95.9	135.9
103	74.3	54.3	94.3

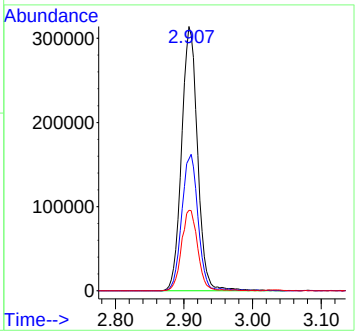


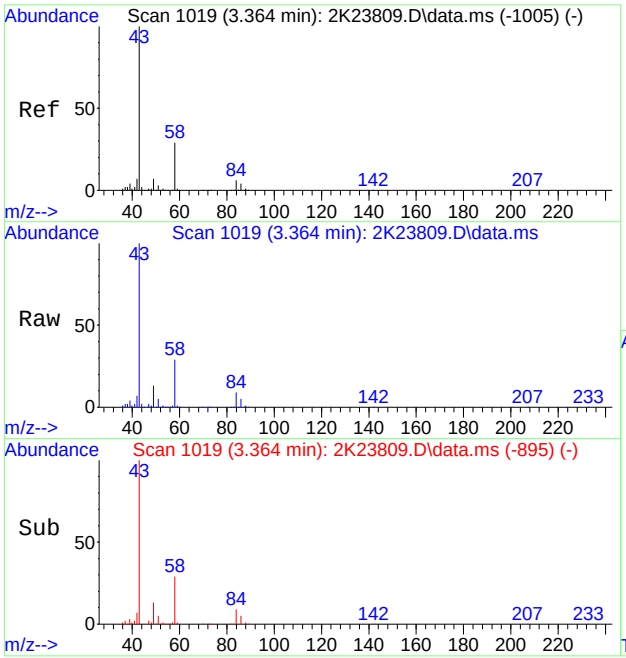


#17
1,1-dichloroethene
Concen: 50.00 ug/L
RT: 2.907 min Scan# 877
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 61 Resp: 507978

Ion	Ratio	Lower	Upper
61	100		
96	49.8	19.8	79.8
63	30.4	0.4	60.4

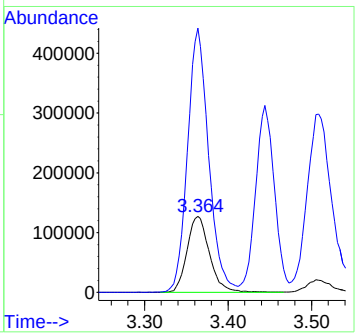


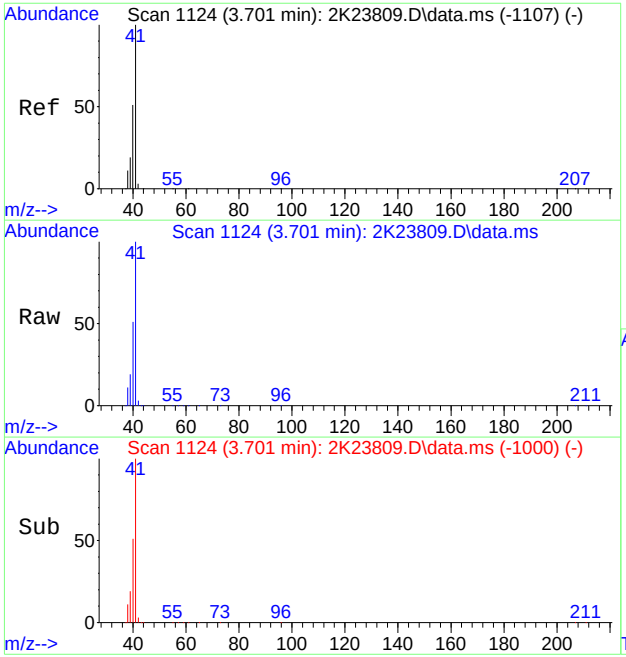


#18
acetone
Concen: 200.00 ug/L
RT: 3.364 min Scan# 1019
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 58 Resp: 238193

Ion	Ratio	Lower	Upper
58	100		
43	347.9	317.9	377.9

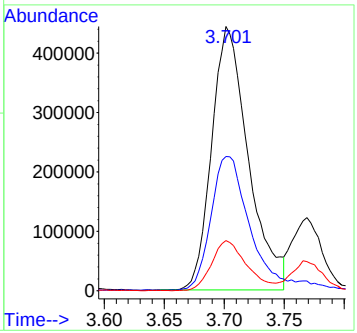


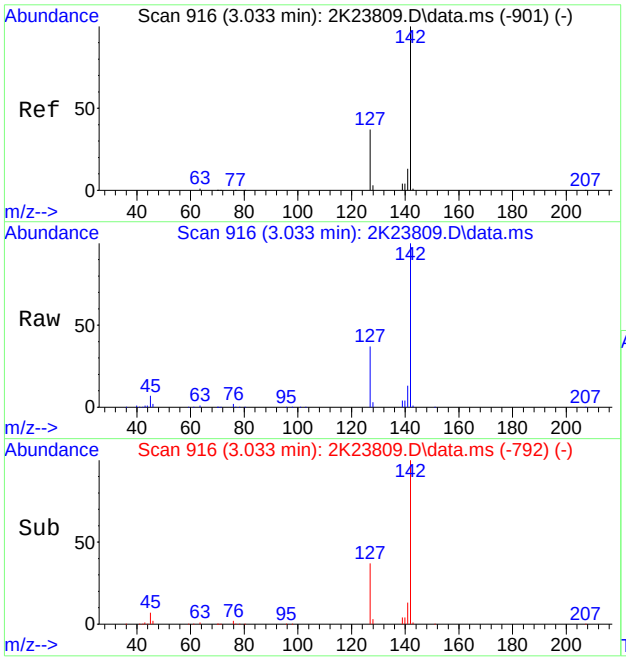


#19
acetonitrile
Concen: 500.00 ug/L
RT: 3.701 min Scan# 1124
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 41 Resp: 945202

Ion	Ratio	Lower	Upper
41	100		
40	50.7	20.7	80.7
39	18.9	0.0	48.9

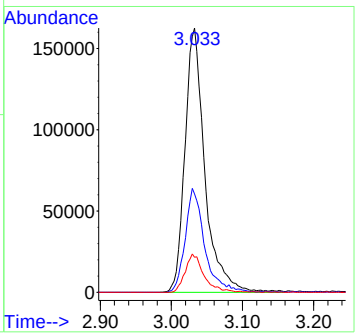


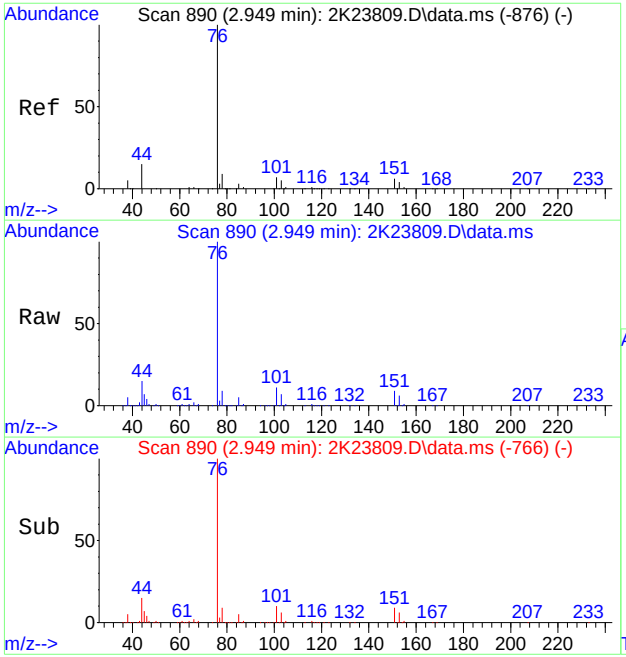


#20
iodomethane
Concen: 50.00 ug/L
RT: 3.033 min Scan# 916
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion:142 Resp: 317809

Ion	Ratio	Lower	Upper
142	100		
127	37.2	7.2	67.2
141	13.3	0.0	43.3

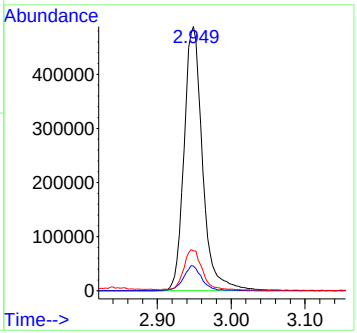


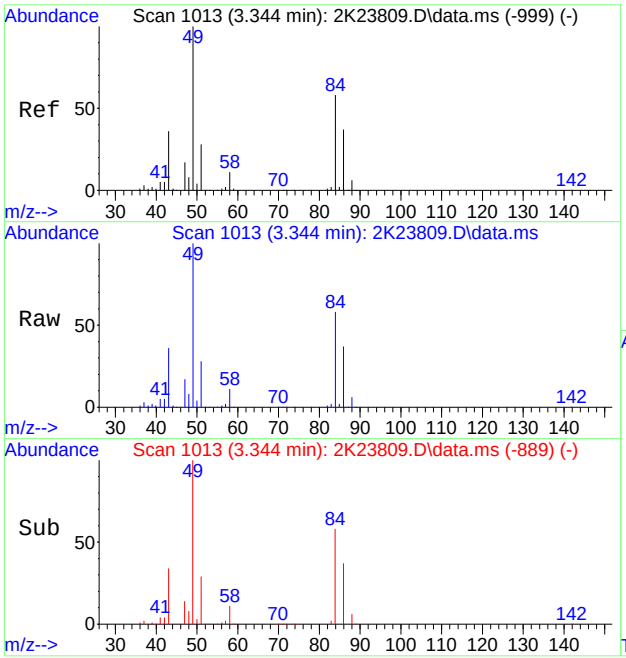


#21
carbon disulfide
Concen: 50.00 ug/L
RT: 2.949 min Scan# 890
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 76 Resp: 850290

Ion	Ratio	Lower	Upper
76	100		
78	9.4	0.0	39.4
44	14.9	0.0	44.9

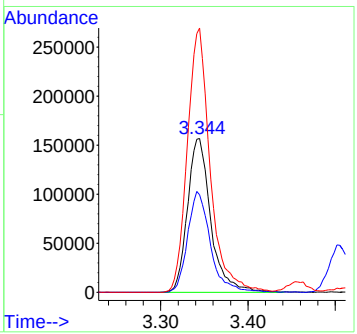


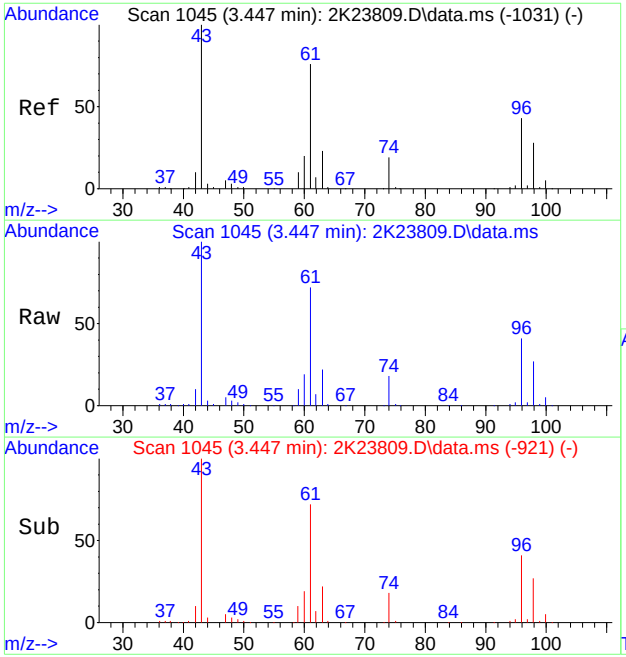


#22
methylene chloride
Concen: 50.00 ug/L
RT: 3.344 min Scan# 1013
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 84 Resp: 292151

Ion	Ratio	Lower	Upper
84	100		
86	63.4	33.4	93.4
49	171.9	141.9	201.9

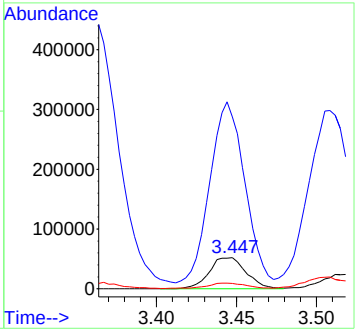


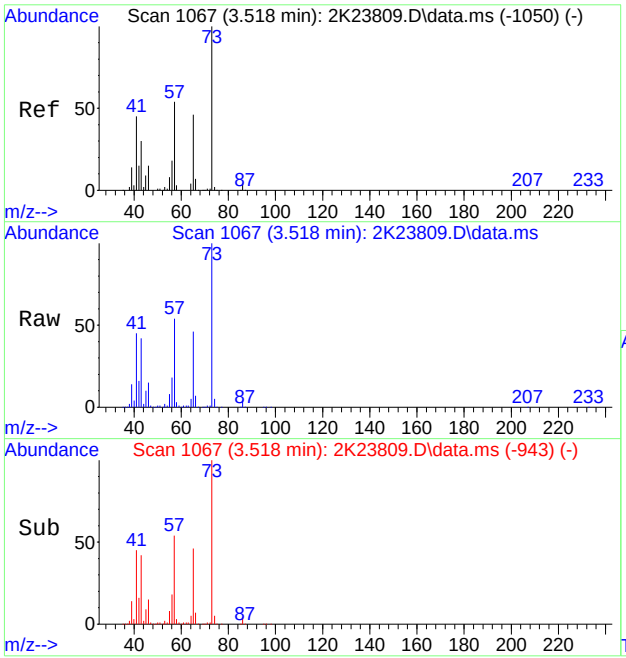


#23
methyl acetate
Concen: 50.00 ug/L
RT: 3.447 min Scan# 1045
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 74 Resp: 83837

Ion	Ratio	Lower	Upper
74	100		
43	522.7	492.7	552.7
44	16.4	0.0	46.4

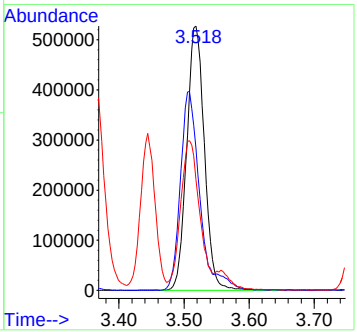


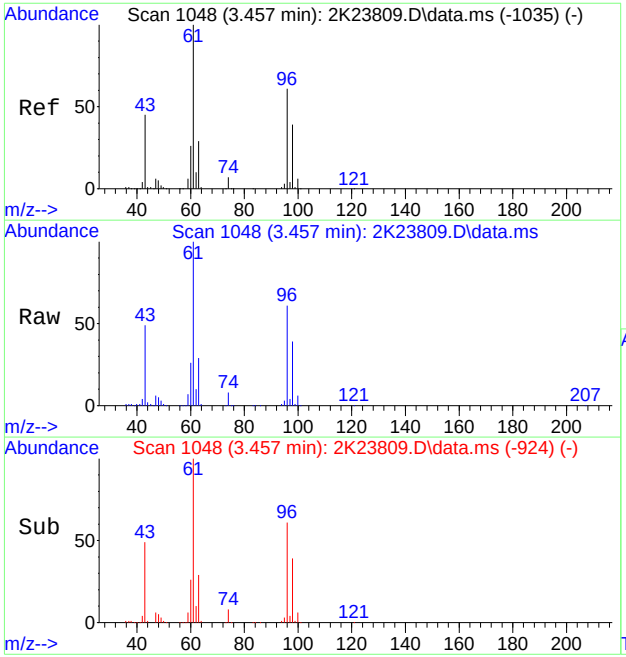


#24
methyl tert butyl ether
Concen: 50.00 ug/L
RT: 3.518 min Scan# 1067
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 73 Resp: 997036

Ion	Ratio	Lower	Upper
73	100		
57	53.8	23.8	83.8
43	41.7	11.7	71.7

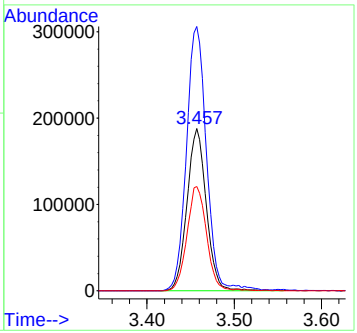


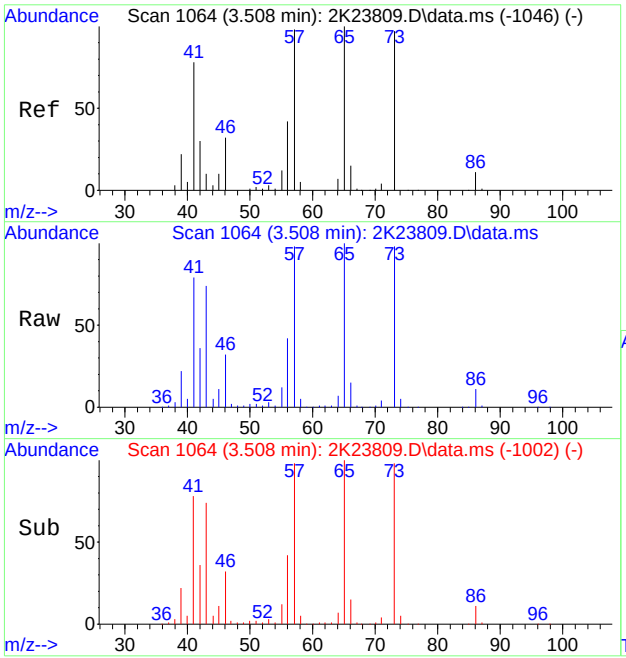


#25
trans-1,2-dichloroethene
Concen: 50.00 ug/L
RT: 3.457 min Scan# 1048
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 96 Resp: 289647

Ion	Ratio	Lower	Upper
96	100		
61	162.8	132.8	192.8
98	64.2	34.2	94.2

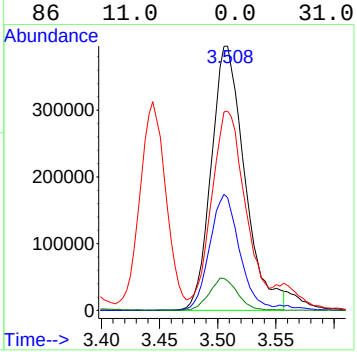


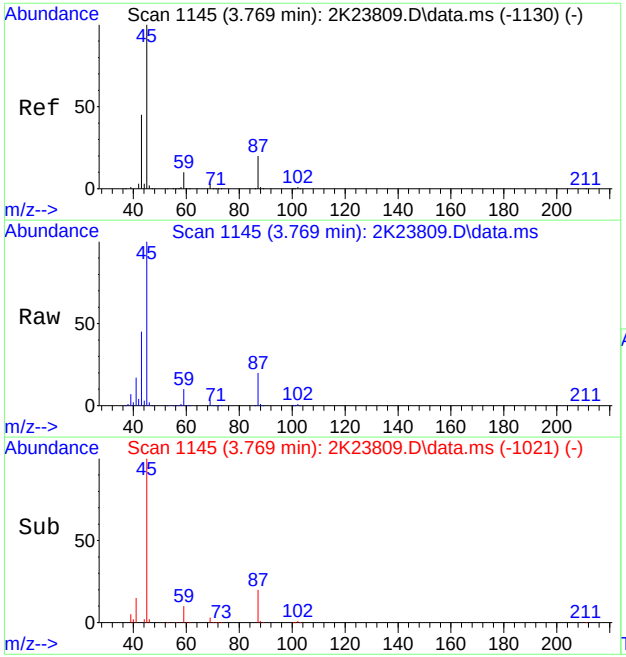


#26
hexane
Concen: 51.98 ug/L
RT: 3.508 min Scan# 1064
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 57 Resp: 791865

Ion	Ratio	Lower	Upper
57	100		
56	42.5	22.5	62.5
43	65.1	45.2	85.2
86	11.0	0.0	31.0

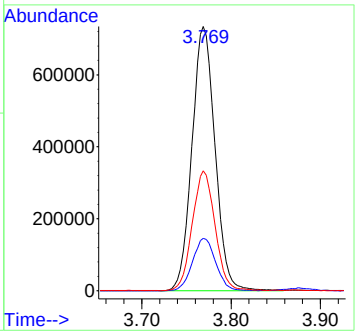


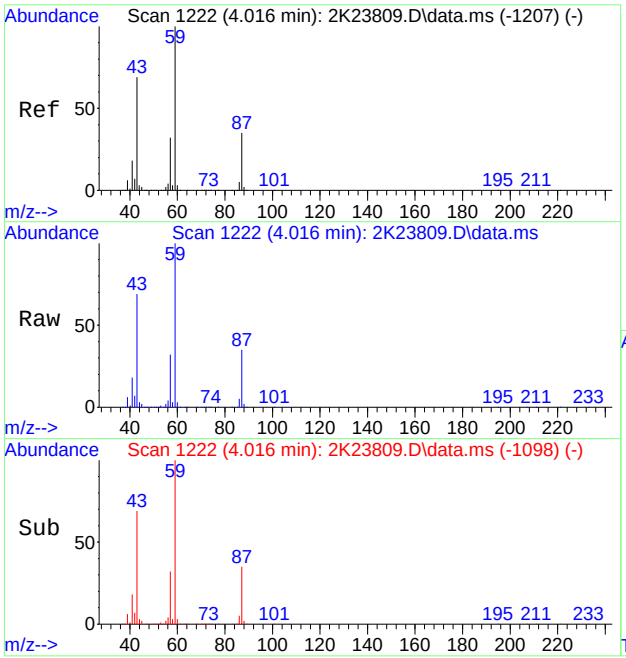


#27
di-isopropyl ether
Concen: 50.00 ug/L
RT: 3.769 min Scan# 1145
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 45 Resp: 1320523

Ion	Ratio	Lower	Upper
45	100		
87	19.8	0.0	49.8
43	45.4	15.4	75.4

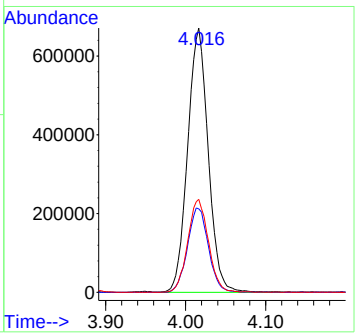


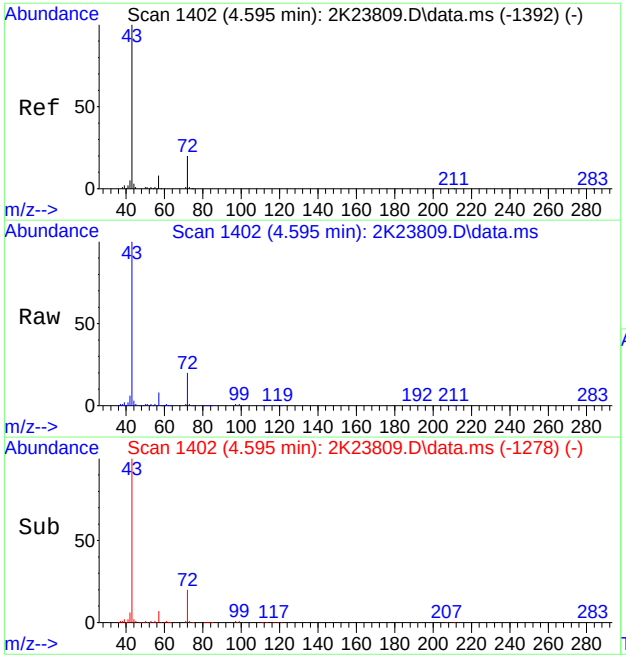


#28
ethyl tert-butyl ether
Concen: 50.00 ug/L
RT: 4.016 min Scan# 1222
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 59 Resp: 1200600

Ion	Ratio	Lower	Upper
59	100		
57	31.6	1.6	61.6
87	35.2	5.2	65.2

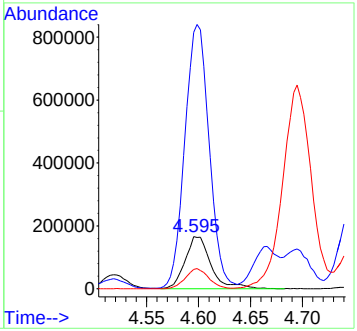


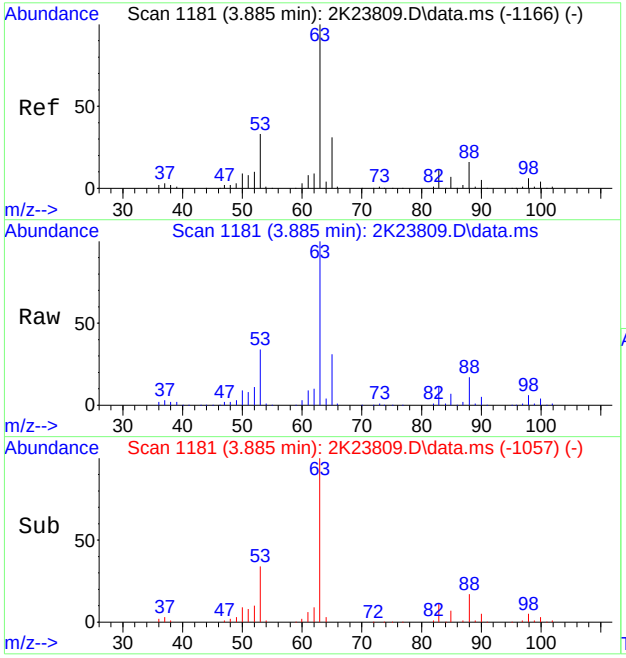


#29
2-butanone
Concen: 200.00 ug/L
RT: 4.595 min Scan# 1402
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 72 Resp: 288505

Ion	Ratio	Lower	Upper
72	100		
43	491.8	461.8	521.8
57	37.0	7.0	67.0

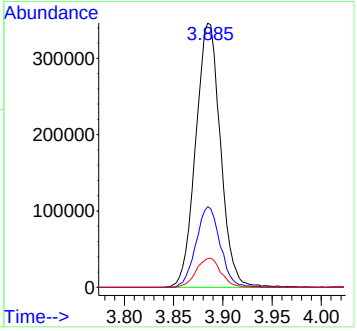


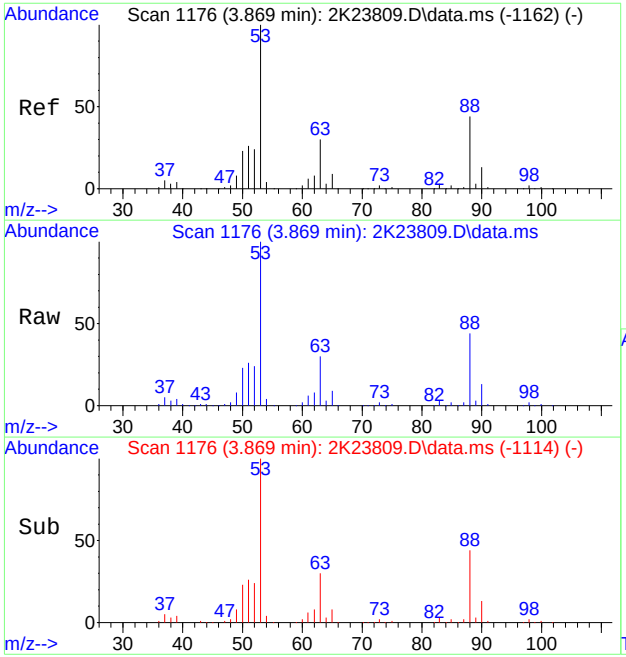


#30
1,1-dichloroethane
Concen: 50.00 ug/L
RT: 3.885 min Scan# 1181
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 63 Resp: 605561

Ion	Ratio	Lower	Upper
63	100		
65	30.5	0.5	60.5
83	11.0	0.0	41.0

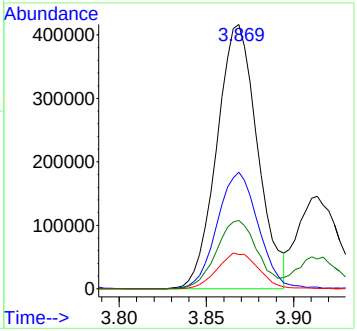


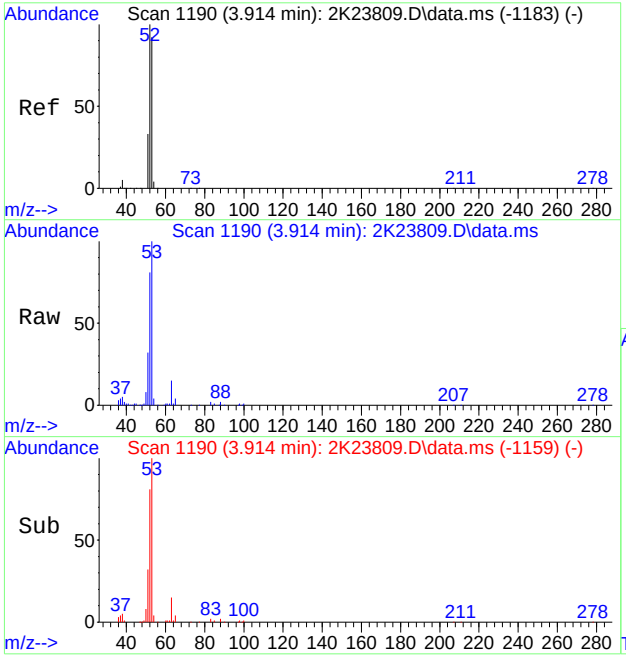


#31
chloroprene
Concen: 50.00 ug/L
RT: 3.869 min Scan# 1176
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 53 Resp: 677314

Ion	Ratio	Lower	Upper
53	100		
88	44.2	14.2	74.2
90	12.9	0.0	42.9
51	25.9	0.0	55.9

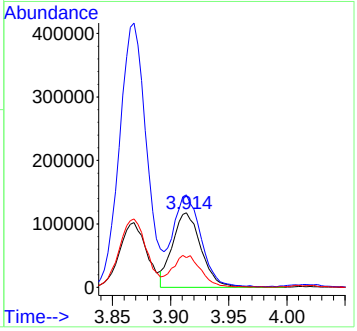


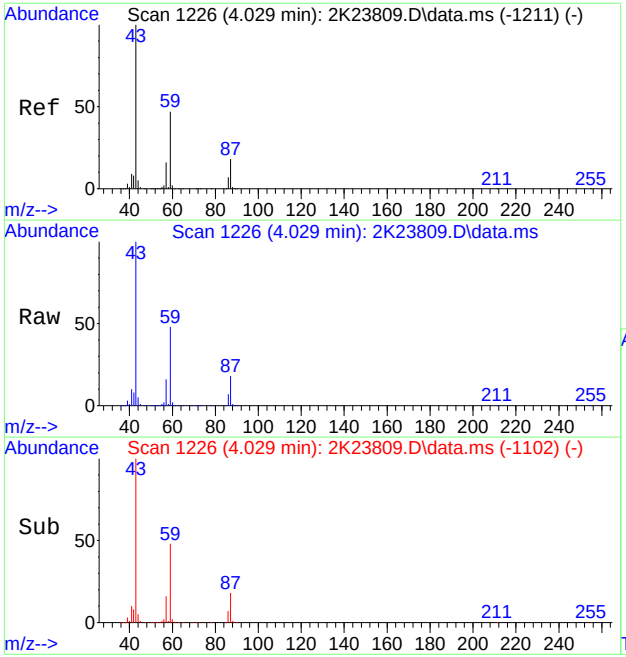


#32
acrylonitrile
Concen: 50.00 ug/L
RT: 3.914 min Scan# 1190
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 52 Resp: 200092

Ion	Ratio	Lower	Upper
52	100		
53	122.5	92.5	152.5
51	39.1	9.1	69.1

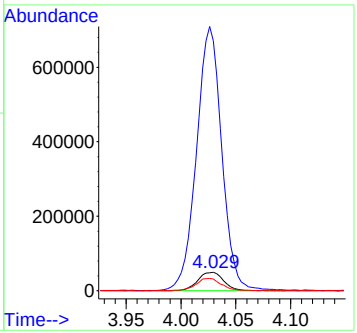


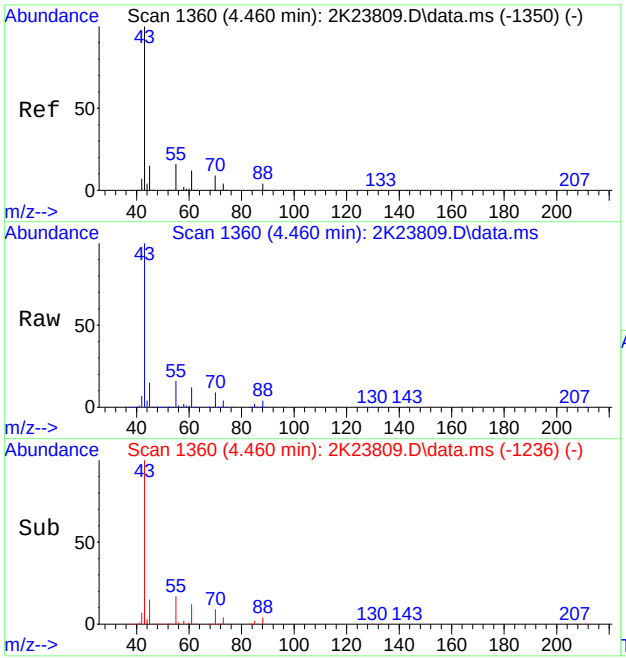


#33
vinyl acetate
Concen: 50.00 ug/L
RT: 4.029 min Scan# 1226
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 86 Resp: 82301

Ion	Ratio	Lower	Upper
86	100		
43	1351.8	1321.8	1381.8
44	62.5	32.5	92.5

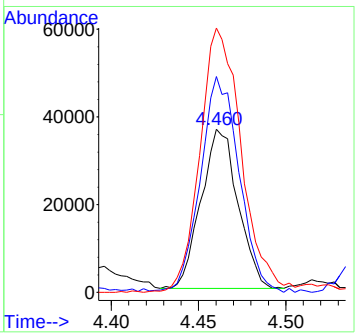


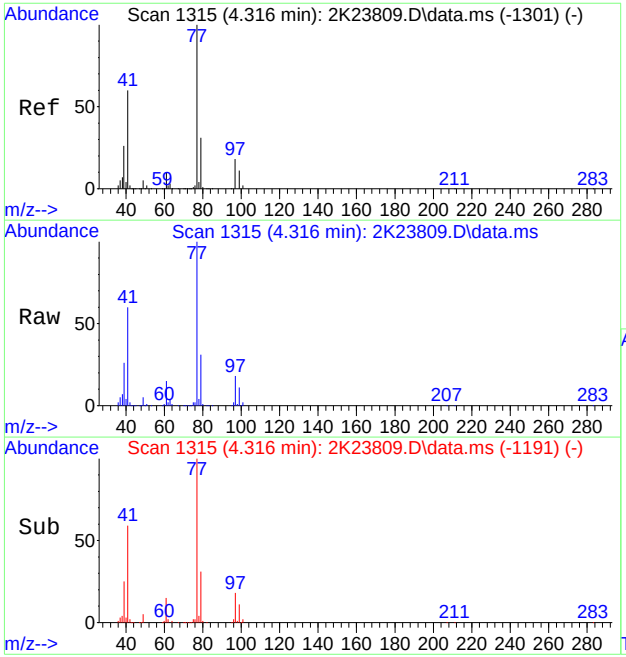


#34
ethyl acetate
Concen: 47.00 ug/L
RT: 4.460 min Scan# 1360
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 70 Resp: 53554

Ion	Ratio	Lower	Upper
70	100		
61	135.6	105.6	165.6
45	165.3	135.3	195.3

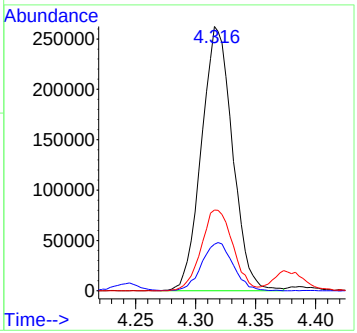


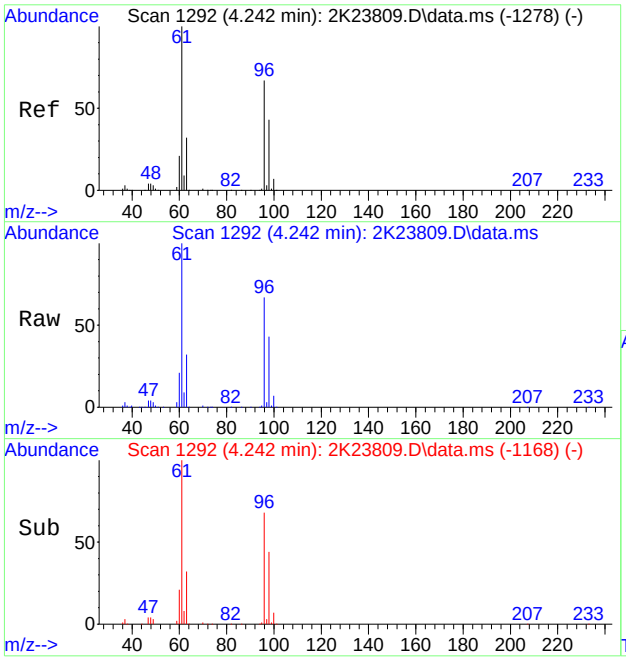


#35
2,2-dichloropropane
Concen: 50.00 ug/L
RT: 4.316 min Scan# 1315
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 77 Resp: 472379

Ion	Ratio	Lower	Upper
77	100		
97	17.7	0.0	47.7
79	30.6	0.6	60.6

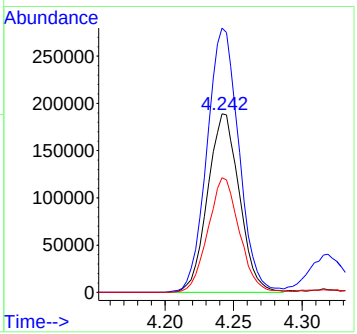


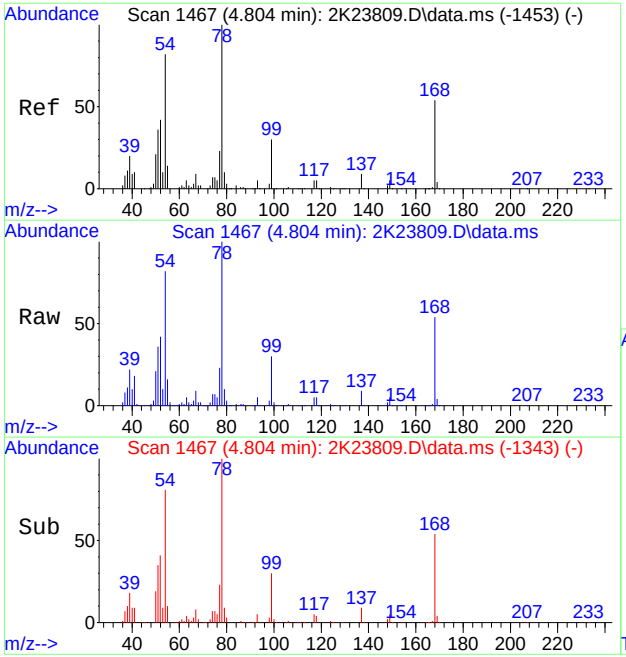


#36
cis-1,2-dichloroethene
Concen: 50.00 ug/L
RT: 4.242 min Scan# 1292
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 96 Resp: 303922

Ion	Ratio	Lower	Upper
96	100		
61	148.2	118.2	178.2
98	64.3	34.3	94.3

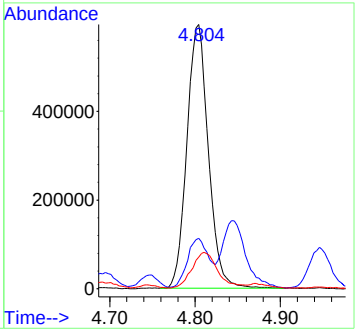


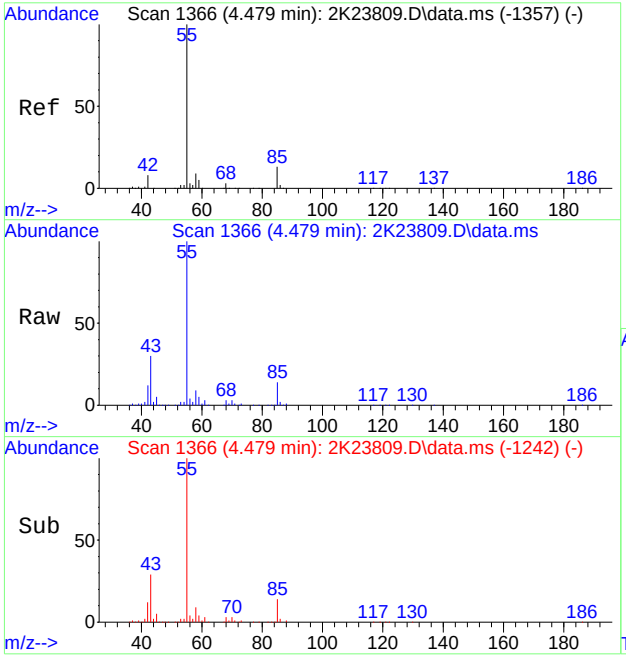


#37
propionitrile
Concen: 500.00 ug/L
RT: 4.804 min Scan# 1467
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 54 Resp: 1041171

Ion	Ratio	Lower	Upper
54	100		
55	18.6	0.0	48.6
40	11.7	0.0	41.7

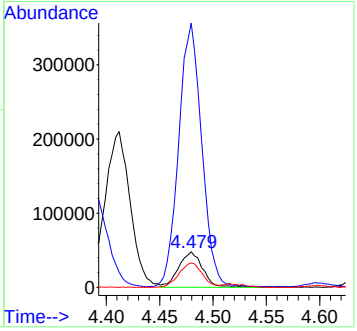


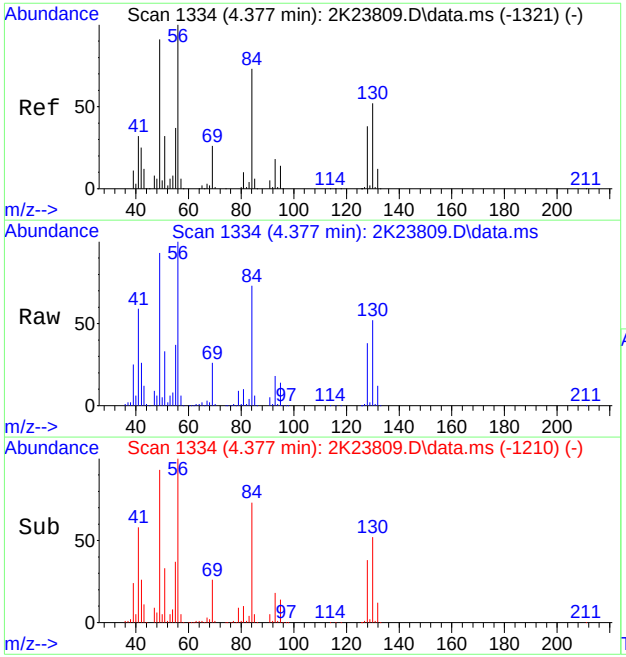


#38
methyl acrylate
Concen: 50.83 ug/L
RT: 4.479 min Scan# 1366
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 85 Resp: 75619

Ion	Ratio	Lower	Upper
85	100		
55	746.6	726.6	766.6
58	69.4	49.4	89.4

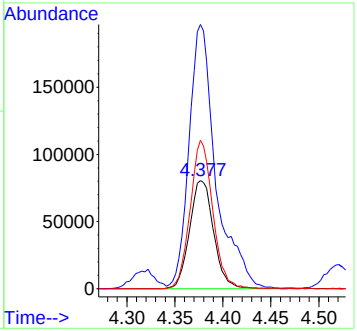


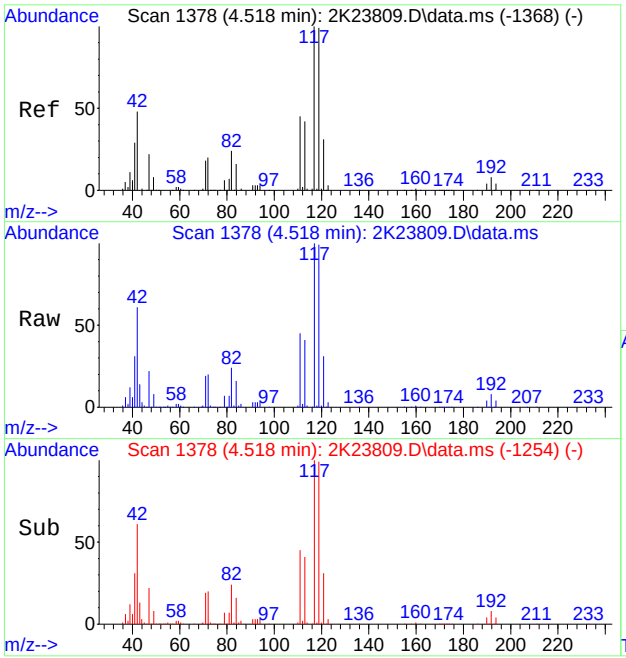


#39
bromochloromethane
Concen: 50.00 ug/L
RT: 4.377 min Scan# 1334
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion:128 Resp: 140624

Ion	Ratio	Lower	Upper
128	100		
49	243.9	213.9	273.9
130	137.4	107.4	167.4

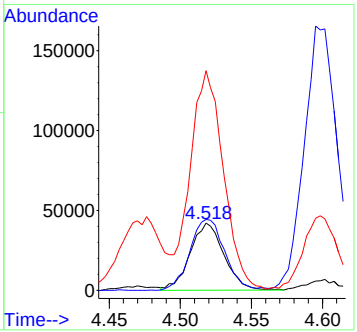


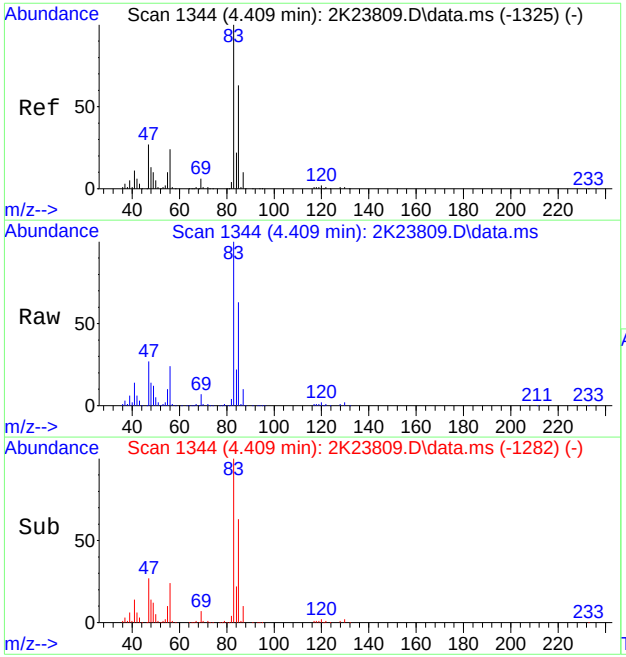


#40
tetrahydrofuran
Concen: 50.00 ug/L
RT: 4.518 min Scan# 1378
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 71 Resp: 69482

Ion	Ratio	Lower	Upper
71	100		
72	105.2	75.2	135.2
42	318.0	288.0	348.0

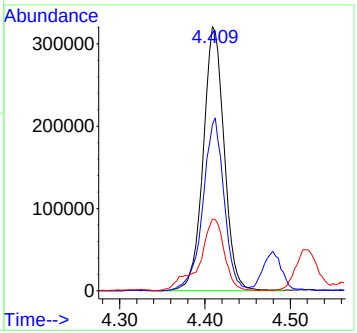


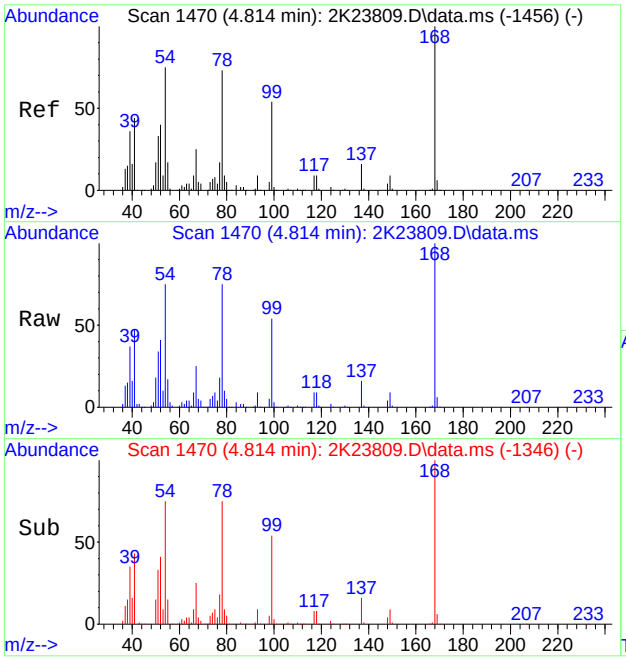


#41
chloroform
Concen: 50.00 ug/L
RT: 4.409 min Scan# 1344
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 83 Resp: 548924

Ion	Ratio	Lower	Upper
83	100		
85	63.0	33.0	93.0
47	26.9	0.0	56.9

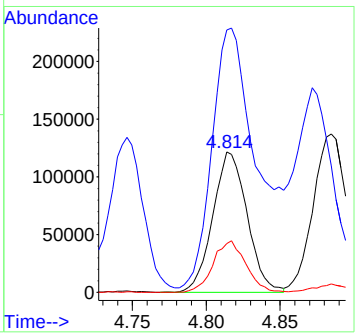


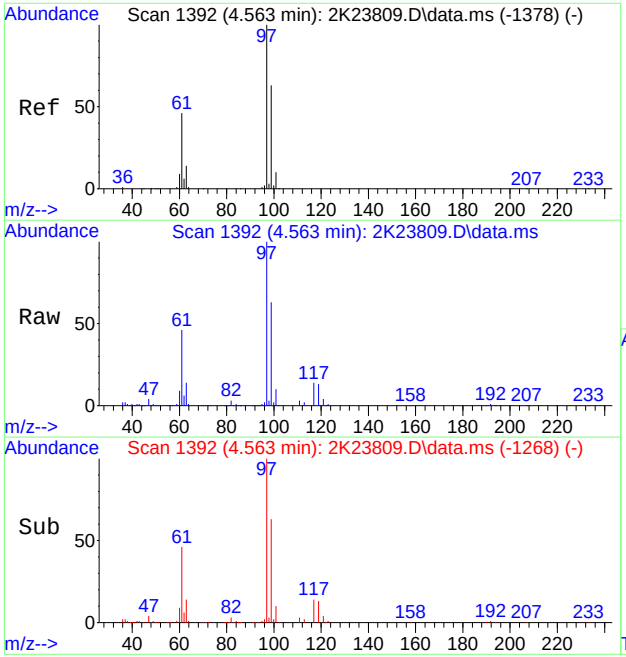


#43
methacrylonitrile
Concen: 50.00 ug/L
RT: 4.814 min Scan# 1470
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 67 Resp: 196661

Ion	Ratio	Lower	Upper
67	100		
41	175.5	145.5	205.5
66	34.7	4.7	64.7

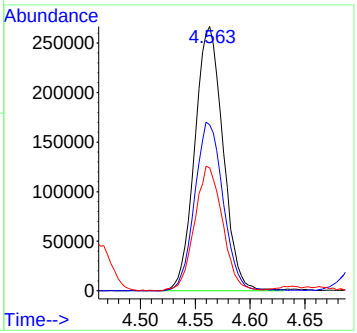


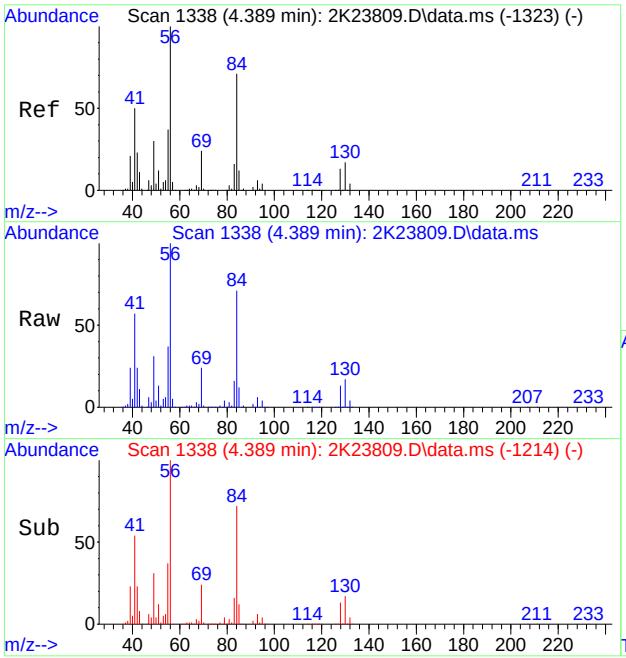


#44
1,1,1-trichloroethane
Concen: 50.00 ug/L
RT: 4.563 min Scan# 1392
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 97 Resp: 477761

Ion	Ratio	Lower	Upper
97	100		
99	62.8	32.8	92.8
61	46.5	16.5	76.5

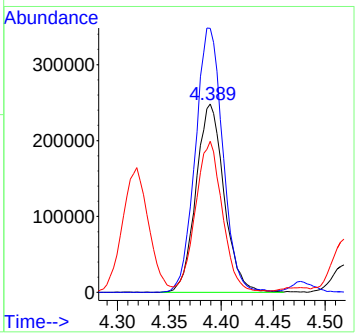


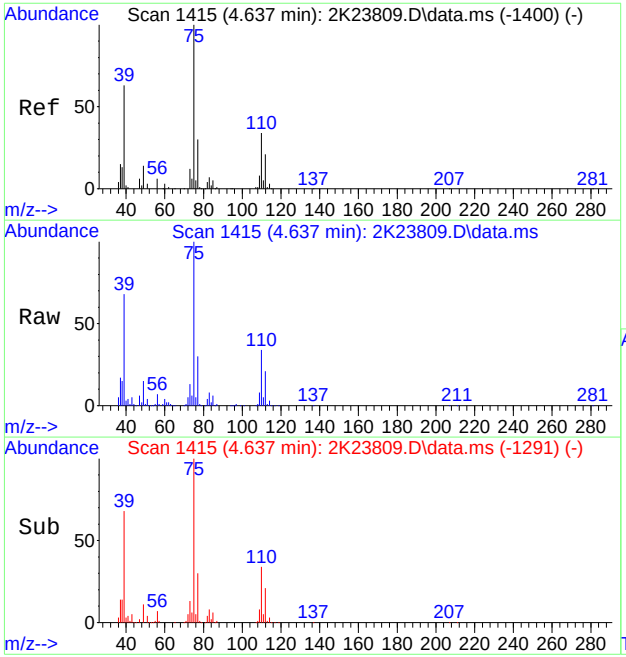


#45
cyclohexane
Concen: 50.00 ug/L
RT: 4.389 min Scan# 1338
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 84 Resp: 467465

Ion	Ratio	Lower	Upper
84	100		
56	140.0	120.0	160.0
41	78.4	58.4	98.4

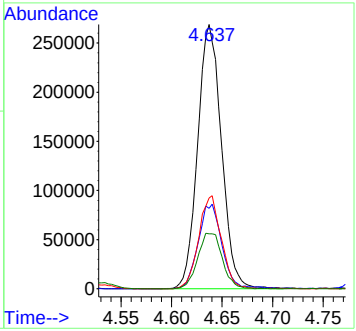


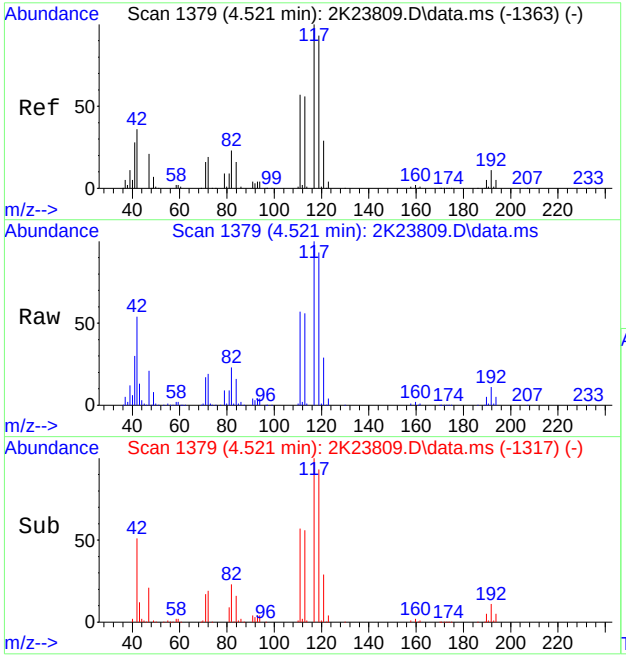


#46
1,1-dichloropropene
Concen: 50.00 ug/L
RT: 4.637 min Scan# 1415
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 75 Resp: 441530

Ion	Ratio	Lower	Upper
75	100		
77	30.5	10.5	50.5
110	34.4	14.4	54.4
112	20.7	0.7	40.7

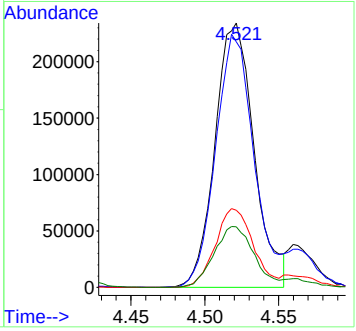


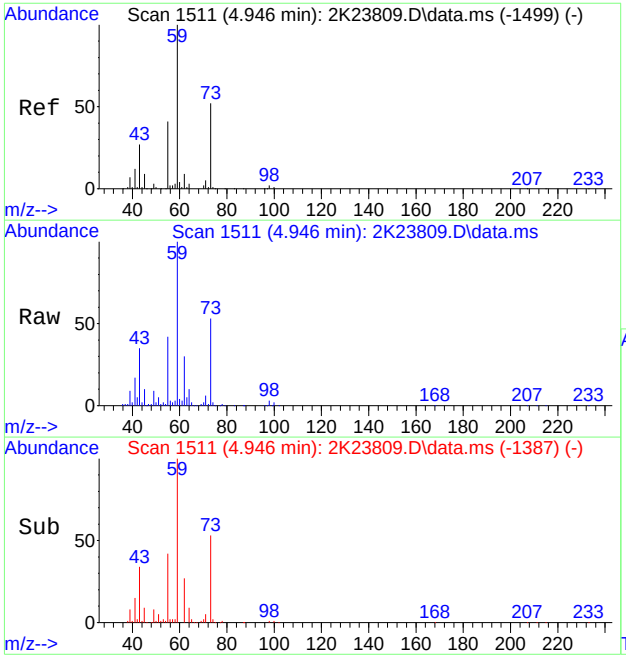


#47
carbon tetrachloride
Concen: 51.36 ug/L
RT: 4.521 min Scan# 1379
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion:117 Resp: 430832

Ion	Ratio	Lower	Upper
117	100		
119	92.9	72.9	112.9
121	29.2	9.2	49.2
82	22.9	2.9	42.9

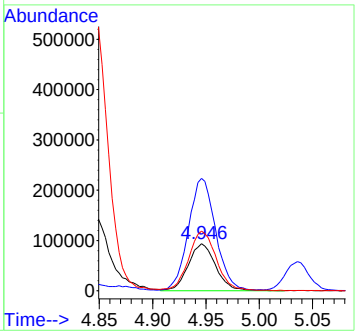


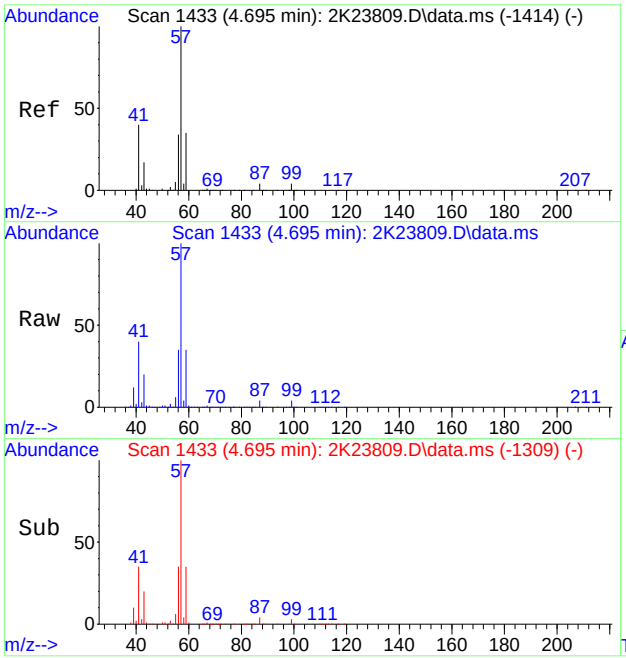


#49
tert-amyl alcohol
Concen: 250.00 ug/L
RT: 4.946 min Scan# 1511
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 55 Resp: 166573

Ion	Ratio	Lower	Upper
55	100		
59	238.4	218.4	258.4
73	126.6	106.6	146.6

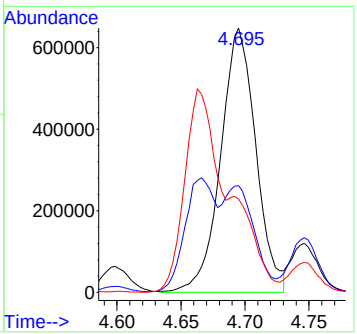


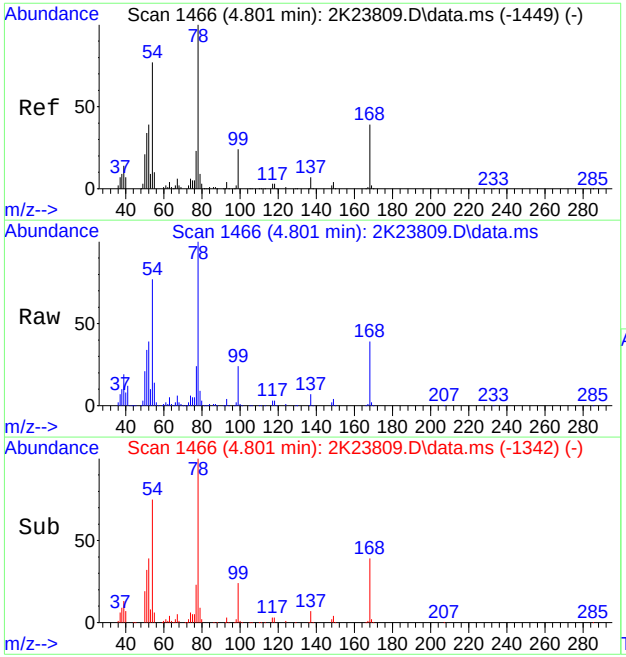


#52
iso-octane
Concen: 50.02 ug/L
RT: 4.695 min Scan# 1433
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 57 Resp: 1241096

Ion	Ratio	Lower	Upper
57	100		
41	39.7	19.7	59.7
56	34.3	14.3	54.3

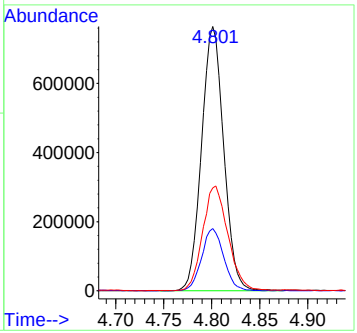


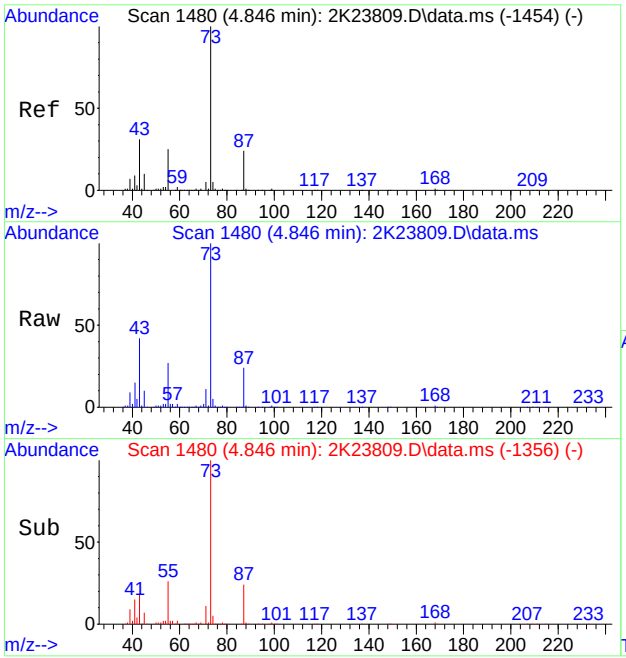


#53
benzene
Concen: 50.00 ug/L
RT: 4.801 min Scan# 1466
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 78 Resp: 1232039

Ion	Ratio	Lower	Upper
78	100		
77	23.5	0.0	53.5
52	38.9	8.9	68.9

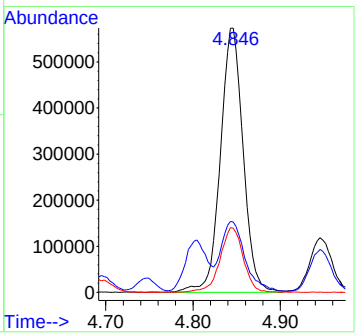


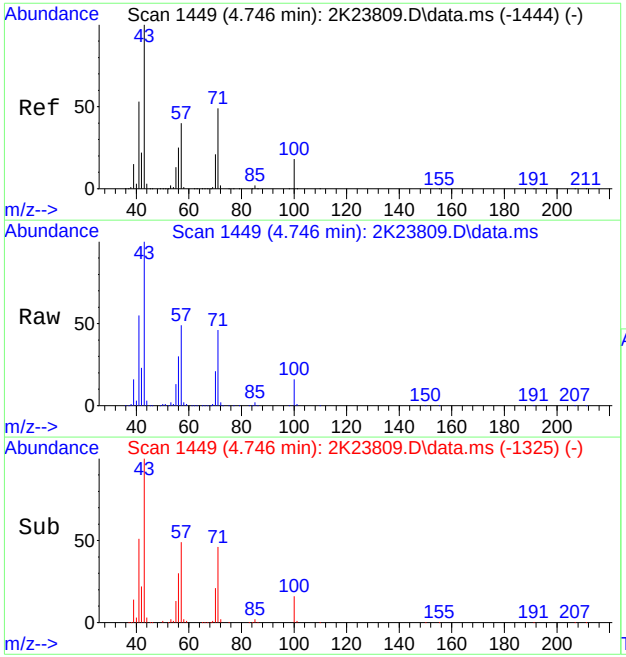


#54
tert-amyl methyl ether
Concen: 50.00 ug/L
RT: 4.846 min Scan# 1480
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 73 Resp: 1038414

Ion	Ratio	Lower	Upper
73	100		
55	26.1	6.1	46.1
87	24.3	4.3	44.3

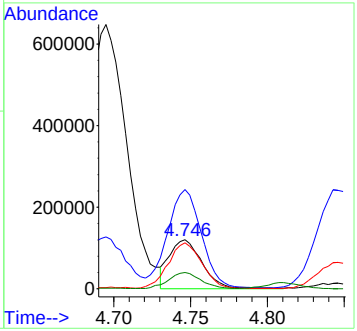


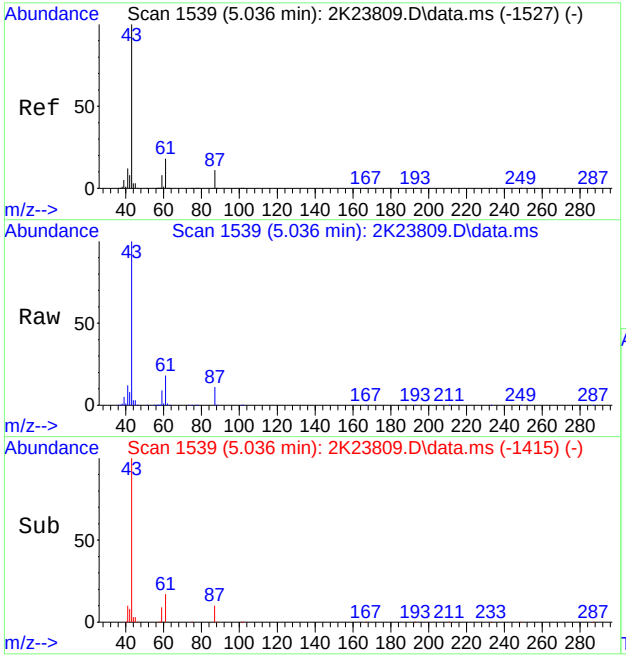


#55
heptane
Concen: 49.77 ug/L
RT: 4.746 min Scan# 1449
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 57 Resp: 179353

Ion	Ratio	Lower	Upper
57	100		
43	201.2	171.2	231.2
71	93.1	63.1	123.1
100	25.4	0.0	55.4

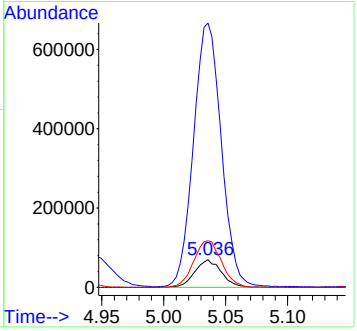


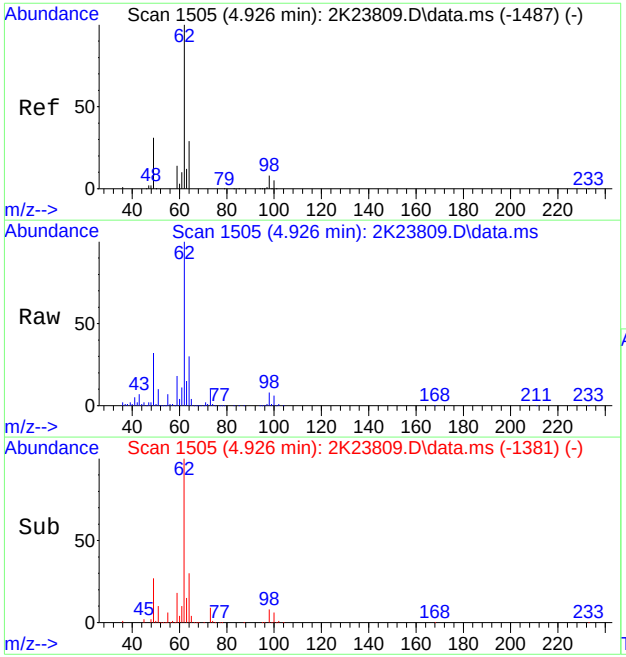


#56
isopropyl acetate
Concen: 50.00 ug/L
RT: 5.036 min Scan# 1539
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 87 Resp: 104149

Ion	Ratio	Lower	Upper
87	100		
43	947.6	917.6	977.6
61	167.7	137.7	197.7

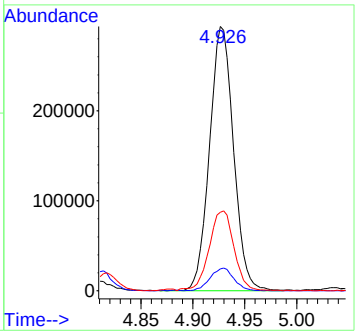


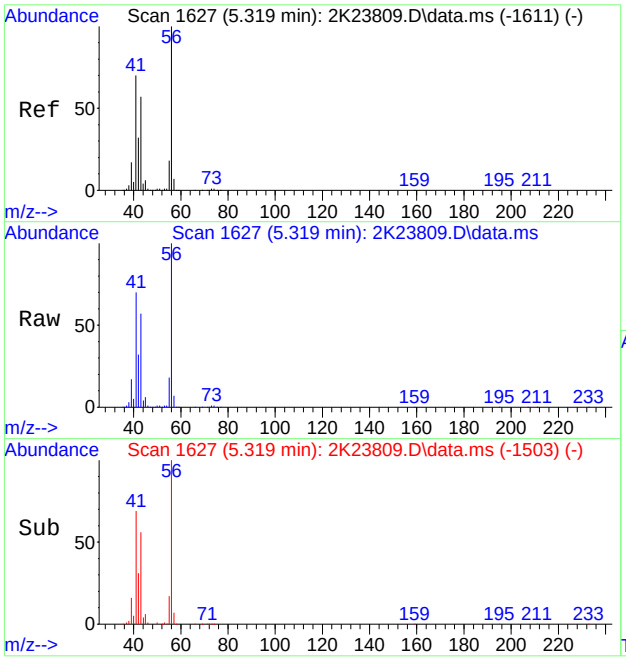


#57
1,2-dichloroethane
Concen: 50.00 ug/L
RT: 4.926 min Scan# 1505
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 62 Resp: 470928

Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	38.3
64	29.6	0.0	59.6

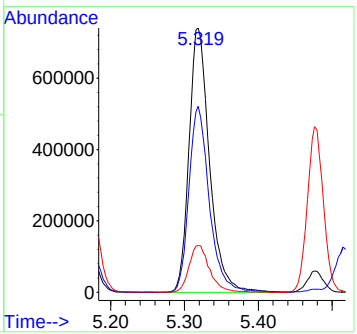


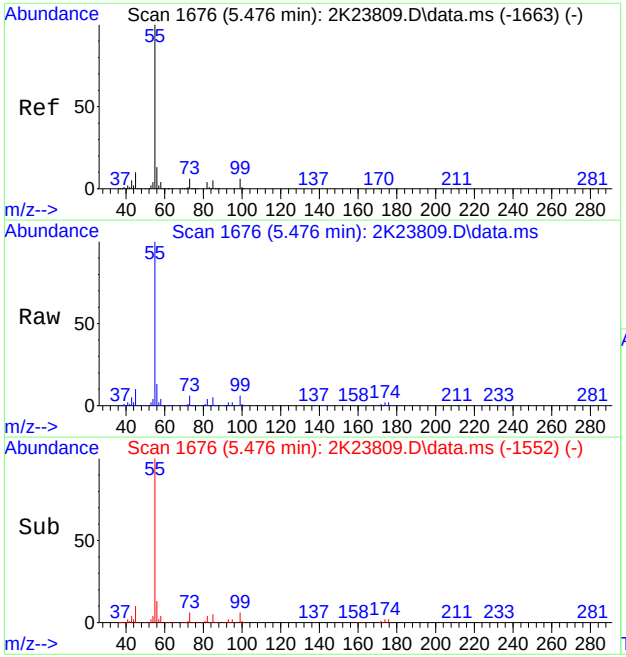


#58
n-butyl alcohol
Concen: 2500.00 ug/L
RT: 5.319 min Scan# 1627
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 56 Resp: 1427700

Ion	Ratio	Lower	Upper
56	100		
41	70.4	50.4	90.4
55	17.7	0.0	37.7

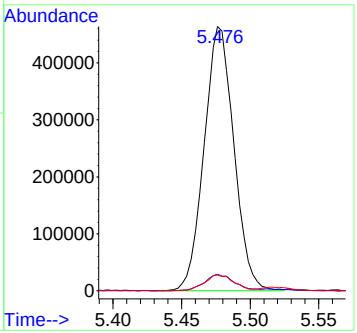


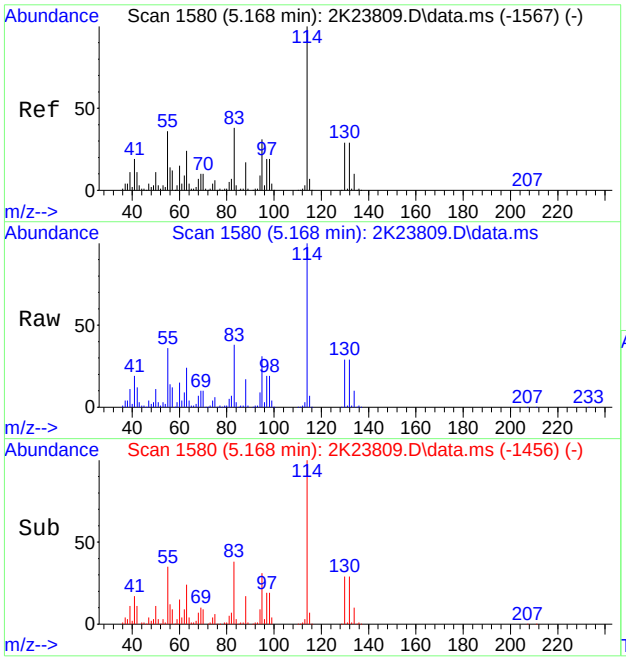


#59
ethyl acrylate
Concen: 50.00 ug/L
RT: 5.476 min Scan# 1676
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 55 Resp: 700292

Ion	Ratio	Lower	Upper
55	100		
73	6.2	0.0	36.2
99	6.0	0.0	36.0

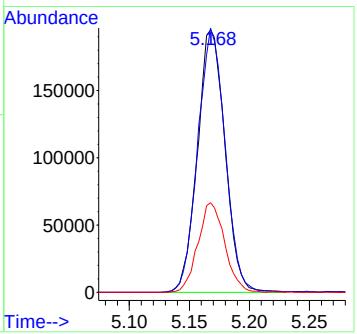


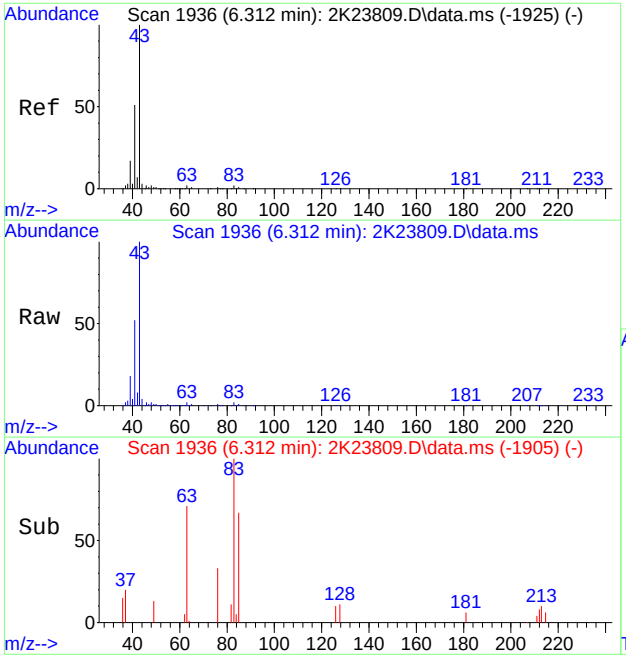


#60
trichloroethene
Concen: 50.00 ug/L
RT: 5.168 min Scan# 1580
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion:130 Resp: 312132

Ion	Ratio	Lower	Upper
130	100		
132	100.8	70.8	130.8
134	34.2	4.2	64.2

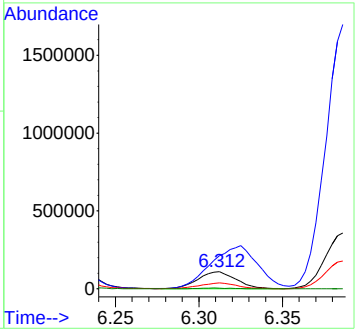


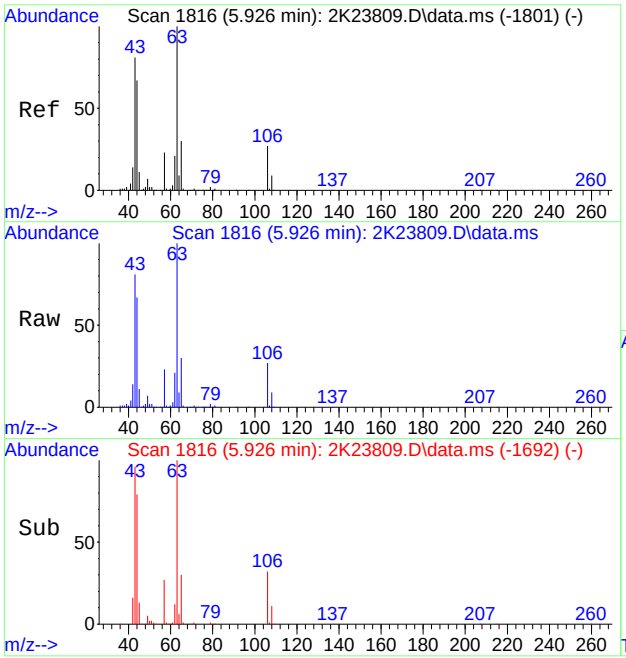


#61
2-nitropropane
Concen: 50.00 ug/L
RT: 6.312 min Scan# 1936
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 41 Resp: 170414

Ion	Ratio	Lower	Upper
41	100		
43	193.8	163.8	223.8
39	34.1	4.1	64.1
46	3.5	0.0	33.5

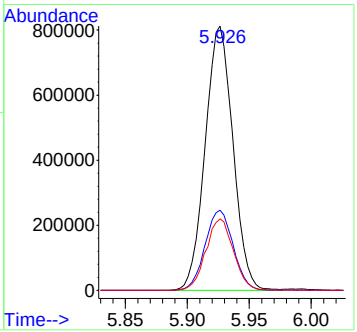


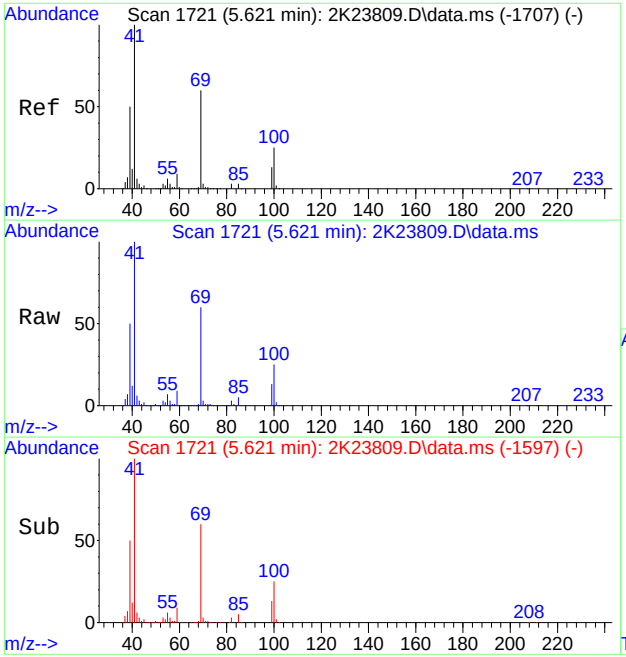


#62
2-chloroethyl vinyl ether
Concen: 250.00 ug/L
RT: 5.926 min Scan# 1816
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 63 Resp: 1267631

Ion	Ratio	Lower	Upper
63	100		
65	30.3	0.3	60.3
106	27.1	0.0	57.1

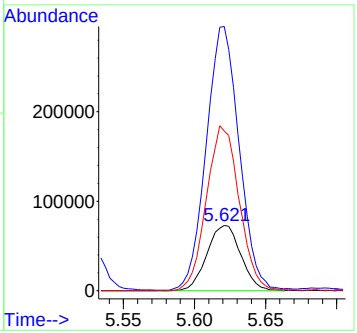


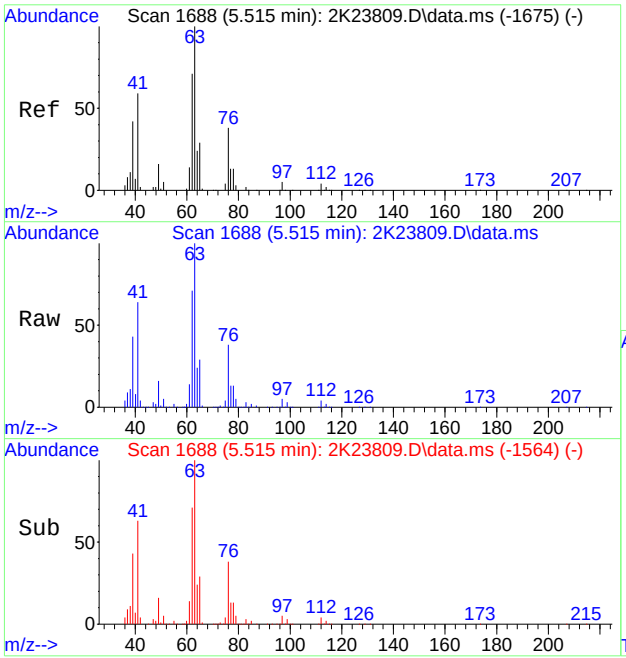


#63
methyl methacrylate
Concen: 50.00 ug/L
RT: 5.621 min Scan# 1721
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion:100 Resp: 121315

Ion	Ratio	Lower	Upper
100	100		
41	404.3	374.3	434.3
69	244.3	214.3	274.3

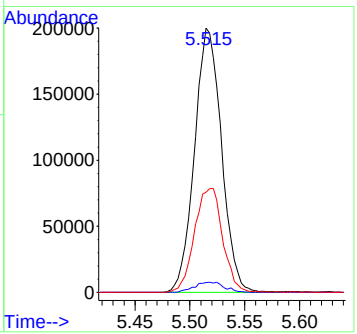


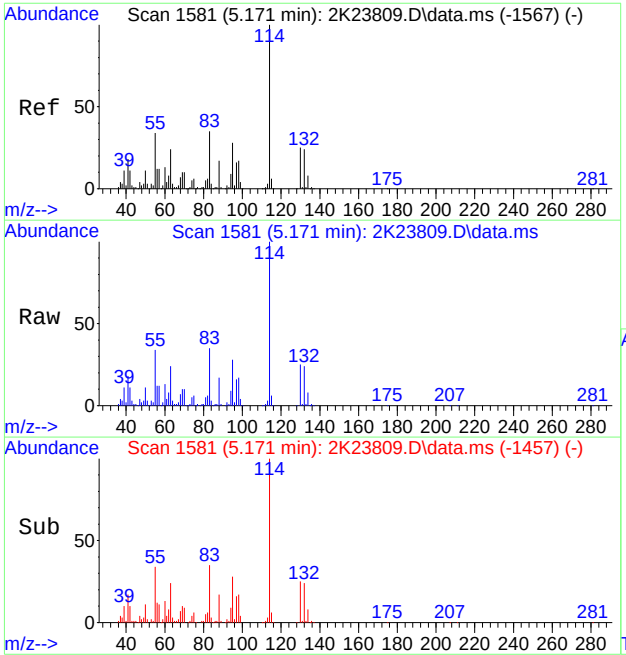


#64
1,2-dichloropropane
Concen: 50.00 ug/L
RT: 5.515 min Scan# 1688
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 63 Resp: 342547

Ion	Ratio	Lower	Upper
63	100		
112	3.7	0.0	33.7
76	37.9	7.9	67.9

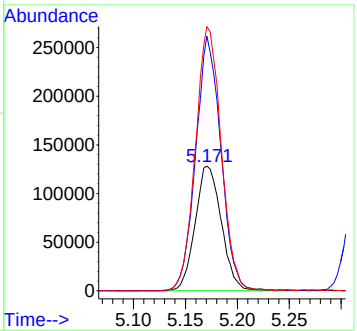


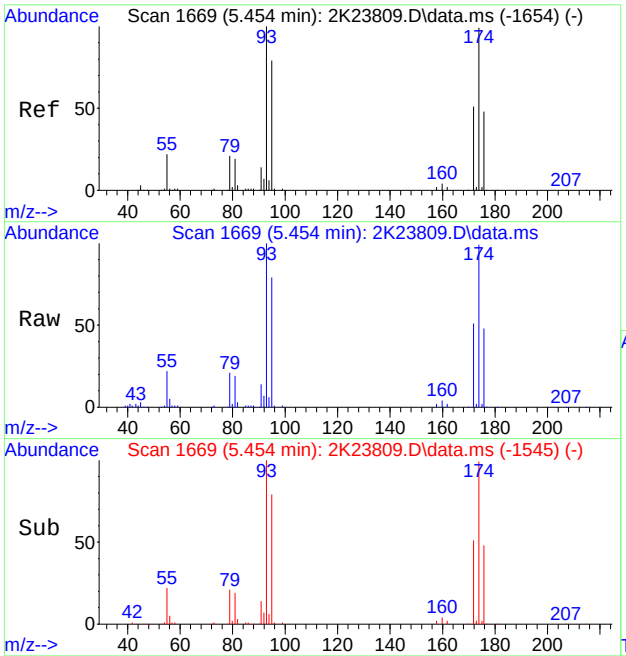


#65
methylcyclohexane
Concen: 50.00 ug/L
RT: 5.171 min Scan# 1581
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 98 Resp: 225497

Ion	Ratio	Lower	Upper
98	100		
55	203.8	173.8	233.8
83	211.7	181.7	241.7

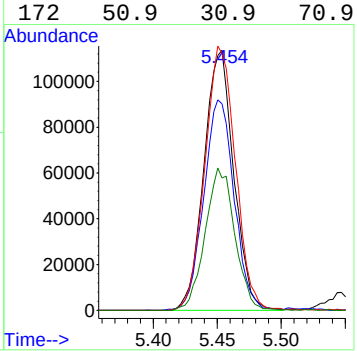


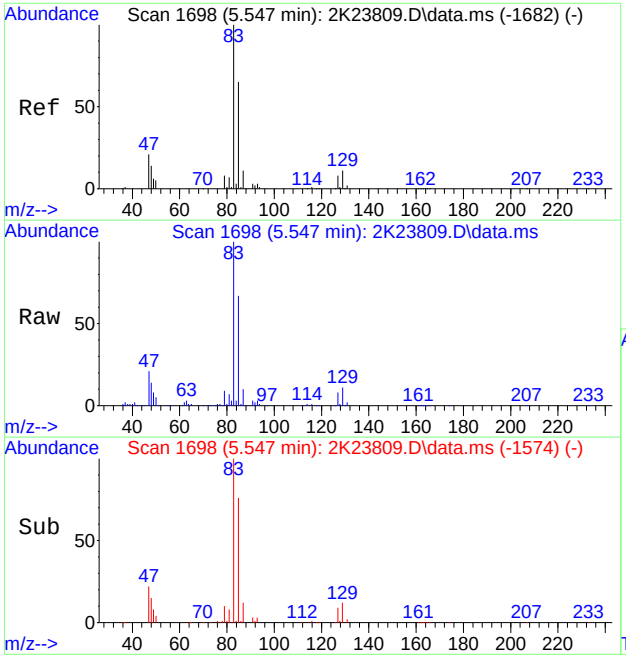


#66
dibromomethane
Concen: 50.00 ug/L
RT: 5.454 min Scan# 1669
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 93 Resp: 184328

Ion	Ratio	Lower	Upper
93	100		
95	79.5	49.5	109.5
174	98.7	68.7	128.7
172	50.9	30.9	70.9

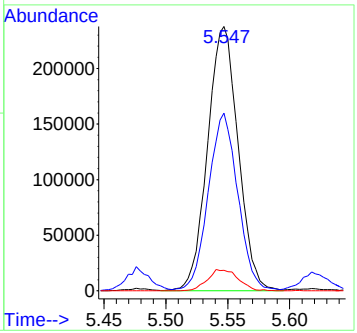


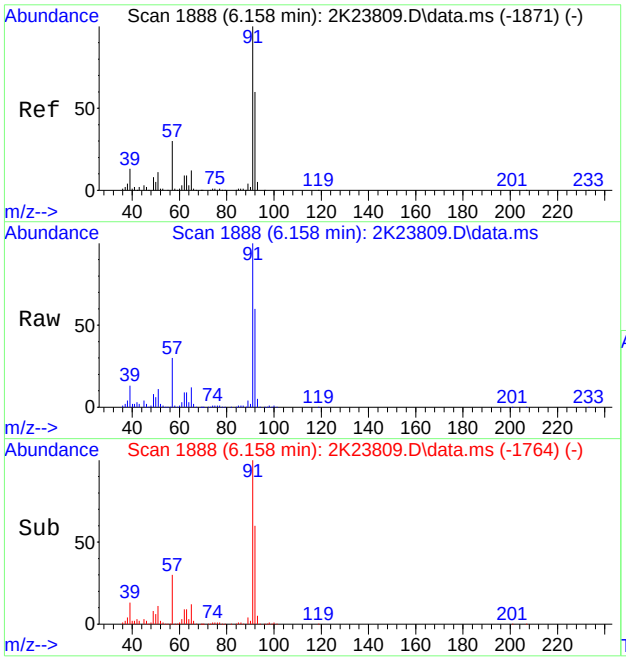


#67
bromodichloromethane
Concen: 50.00 ug/L
RT: 5.547 min Scan# 1698
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 83 Resp: 409116

Ion	Ratio	Lower	Upper
83	100		
85	66.5	36.5	96.5
127	7.8	0.0	37.8

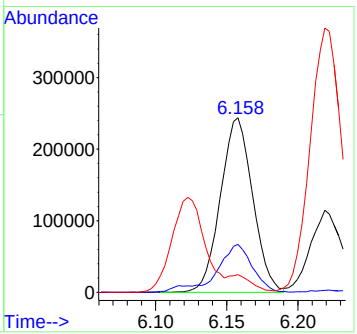


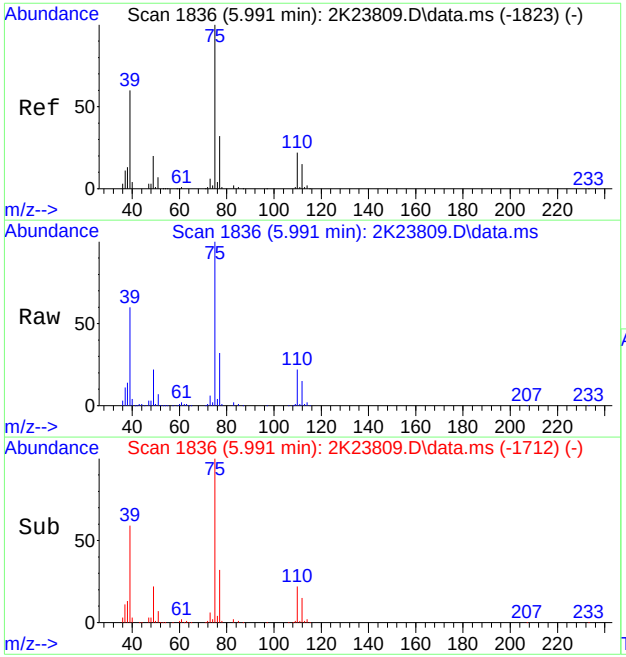


#68
epichlorohydrin
Concen: 250.00 ug/L
RT: 6.158 min Scan# 1888
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 57 Resp: 385488

Ion	Ratio	Lower	Upper
57	100		
49	27.1	7.1	47.1
42	7.5	0.0	27.5

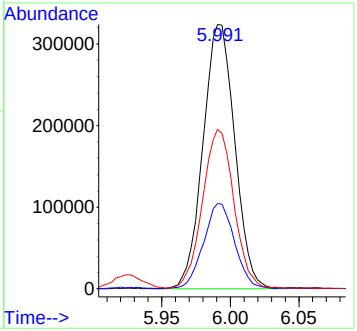


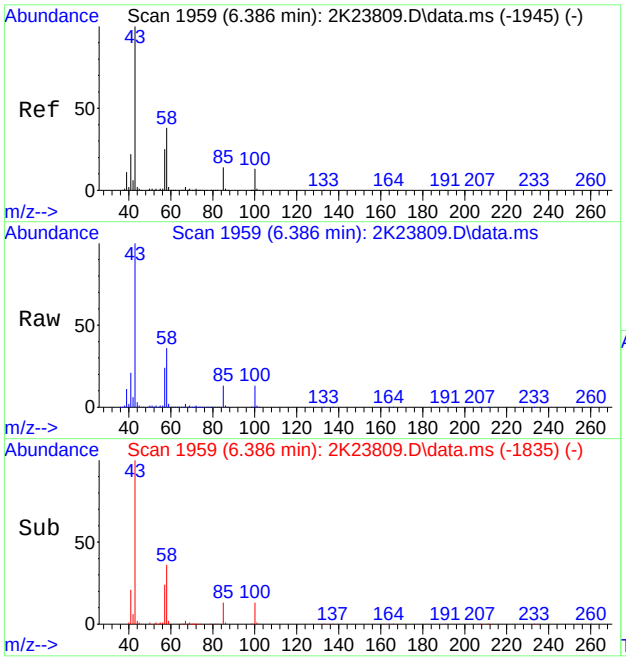


#69
cis-1,3-dichloropropene
Concen: 50.00 ug/L
RT: 5.991 min Scan# 1836
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 75 Resp: 522509

Ion	Ratio	Lower	Upper
75	100		
77	32.1	2.1	62.1
39	60.1	30.1	90.1

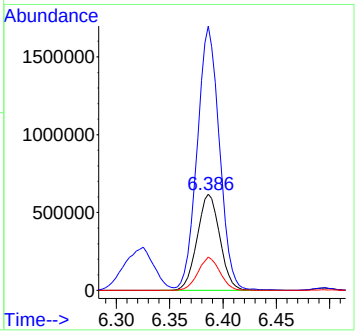


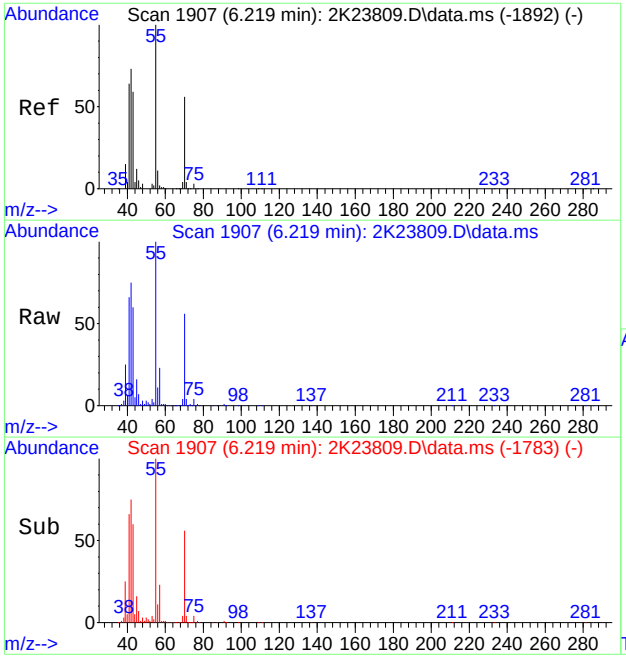


#70
4-methyl-2-pentanone
Concen: 200.00 ug/L
RT: 6.386 min Scan# 1959
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 58 Resp: 913177

Ion	Ratio	Lower	Upper
58	100		
43	274.4	244.4	304.4
100	34.8	4.8	64.8

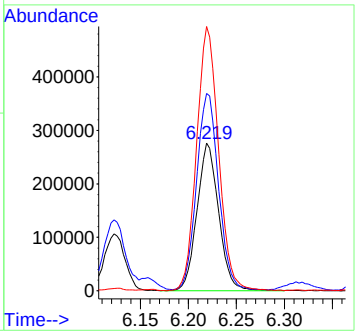


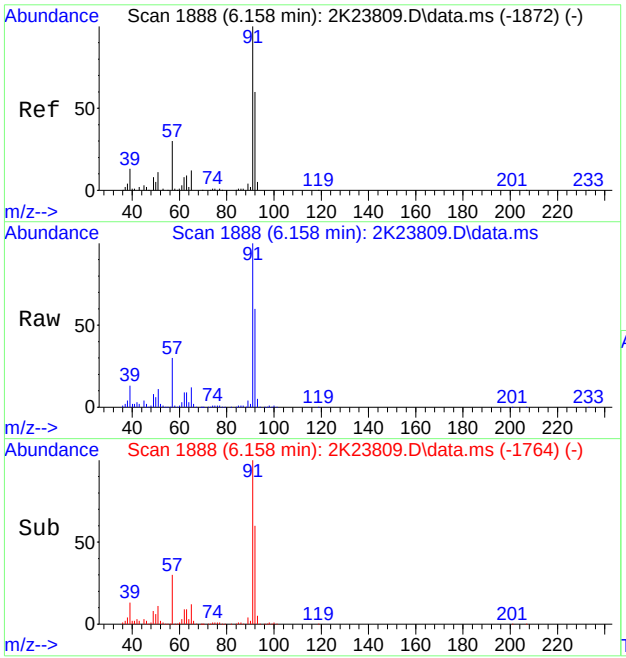


#71
3-methyl-1-butanol
Concen: 1000.00 ug/L
RT: 6.219 min Scan# 1907
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 70 Resp: 434181

Ion	Ratio	Lower	Upper
70	100		
42	130.5	100.5	160.5
55	178.8	148.8	208.8

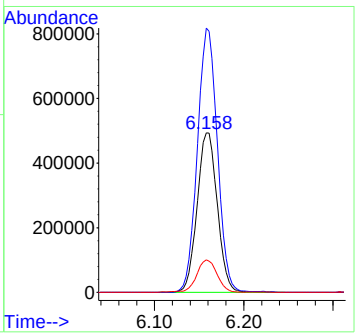


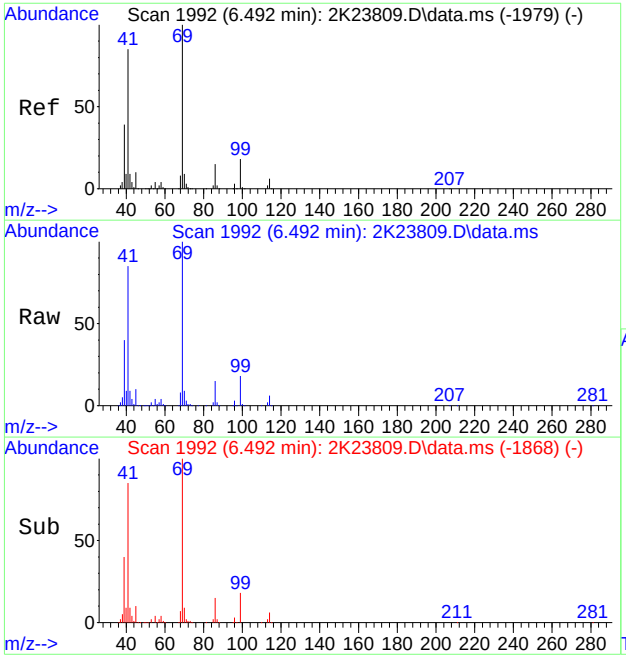


#74
toluene
Concen: 50.00 ug/L
RT: 6.158 min Scan# 1888
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 92 Resp: 774117

Ion	Ratio	Lower	Upper
92	100		
91	165.9	145.9	185.9
65	20.5	0.5	40.5

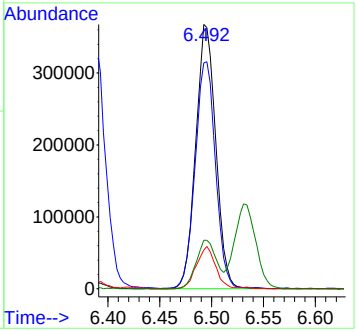


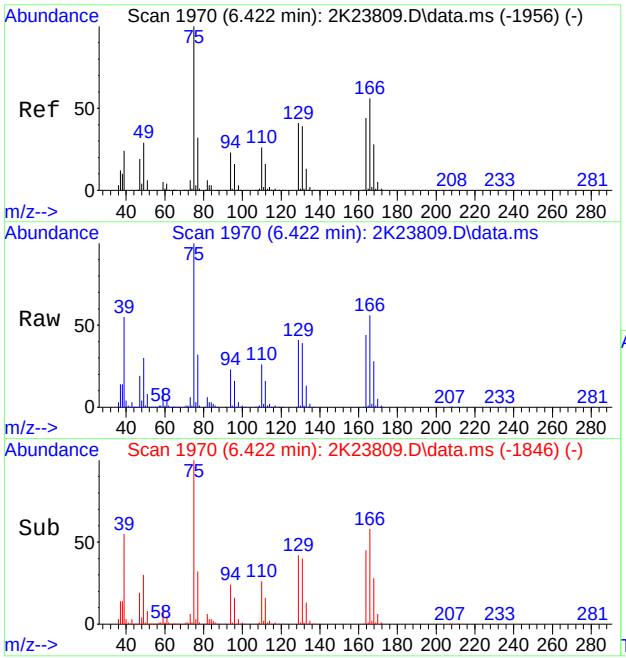


#75
ethyl methacrylate
Concen: 50.00 ug/L
RT: 6.492 min Scan# 1992
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 69 Resp: 496010

Ion	Ratio	Lower	Upper
69	100		
41	85.3	65.3	105.3
86	14.6	0.0	34.6
99	18.4	0.0	38.4

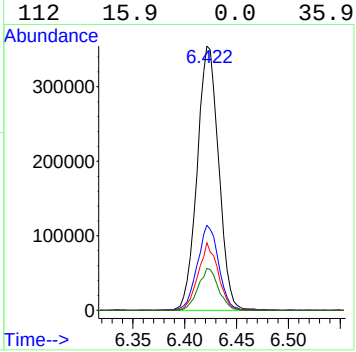


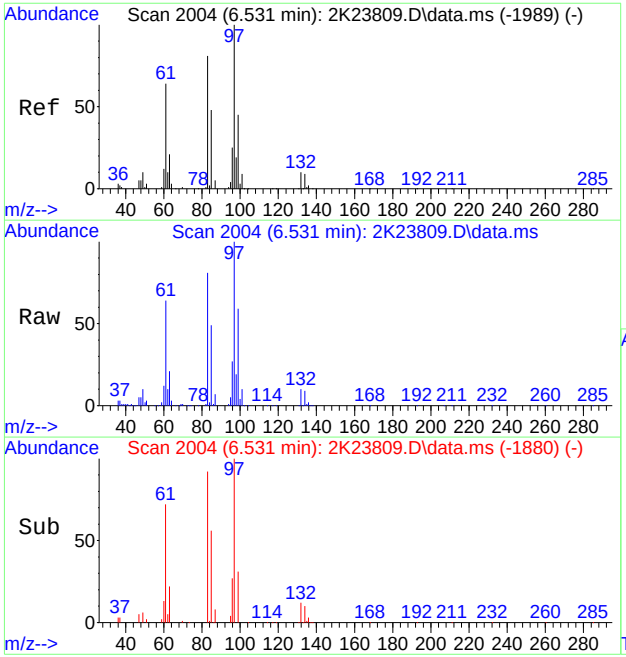


#76
trans-1,3-dichloropropene
Concen: 50.00 ug/L
RT: 6.422 min Scan# 1970
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 75 Resp: 513214

Ion	Ratio	Lower	Upper
75	100		
77	32.2	12.2	52.2
110	25.7	5.7	45.7
112	15.9	0.0	35.9

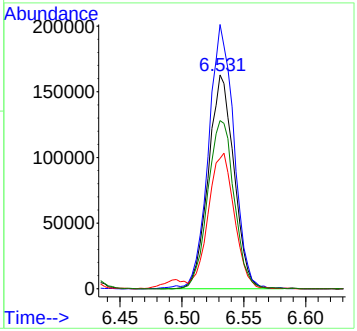


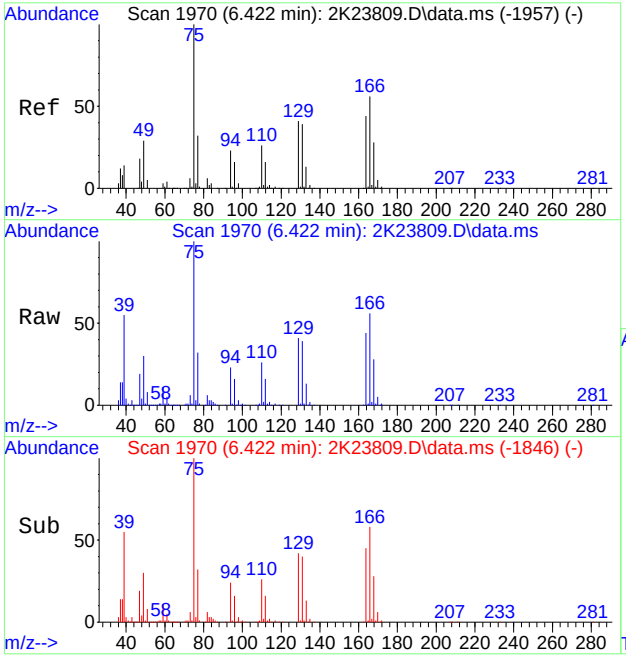


#77
1,1,2-trichloroethane
Concen: 50.00 ug/L
RT: 6.531 min Scan# 2004
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 83 Resp: 234224

Ion	Ratio	Lower	Upper
83	100		
97	123.4	103.4	143.4
85	60.7	40.7	80.7
61	78.7	58.7	98.7

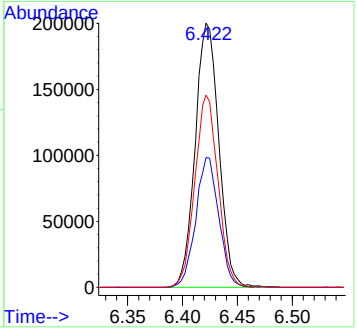


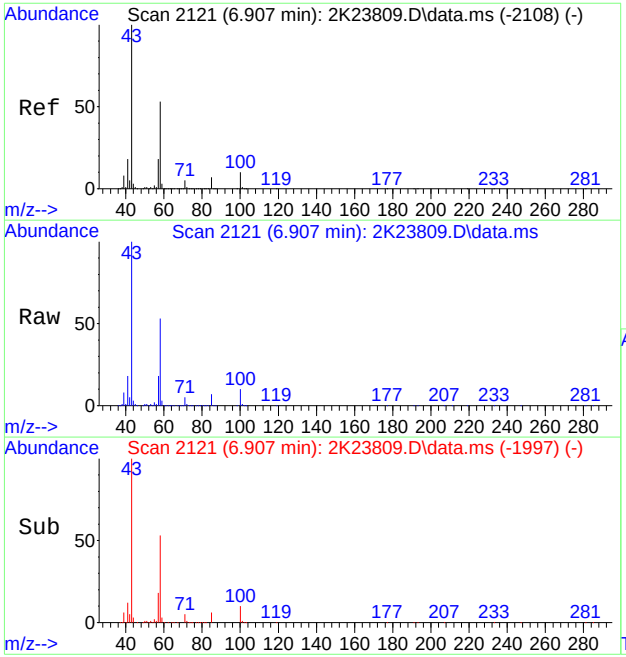


#78
tetrachloroethene
Concen: 50.00 ug/L
RT: 6.422 min Scan# 1970
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion:166 Resp: 300513

Ion	Ratio	Lower	Upper
166	100		
168	49.1	19.1	79.1
129	72.7	42.7	102.7

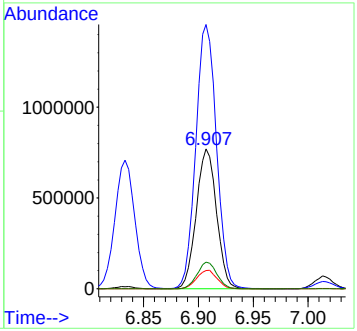


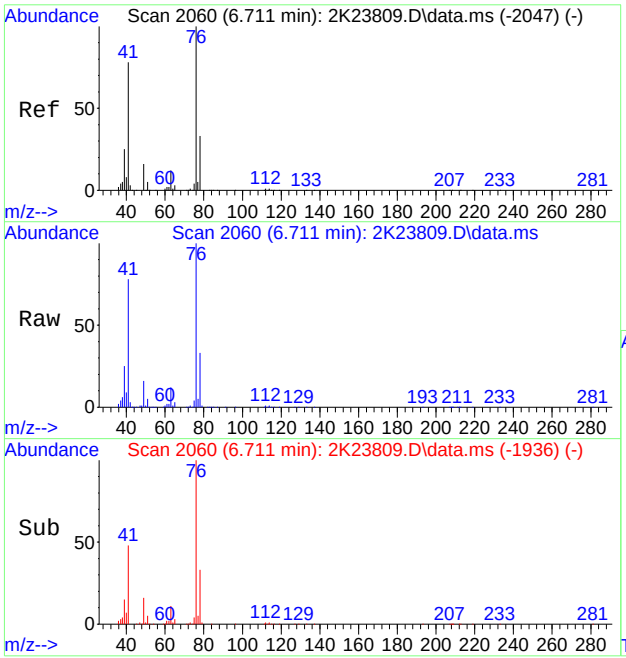


#79
2-hexanone
Concen: 200.00 ug/L
RT: 6.907 min Scan# 2121
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 58 Resp: 988485

Ion	Ratio	Lower	Upper
58	100		
43	188.9	168.9	208.9
85	13.1	0.0	33.1
100	19.1	0.0	39.1

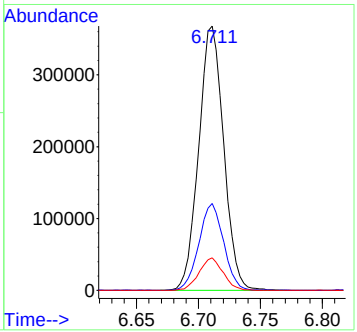


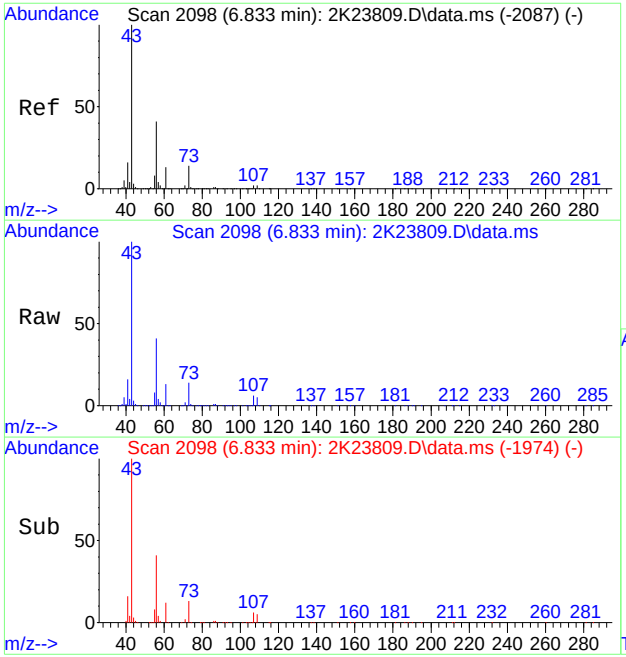


#80
1,3-dichloropropane
Concen: 50.00 ug/L
RT: 6.711 min Scan# 2060
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 76 Resp: 516383

Ion	Ratio	Lower	Upper
76	100		
78	32.9	2.9	62.9
63	12.3	0.0	42.3

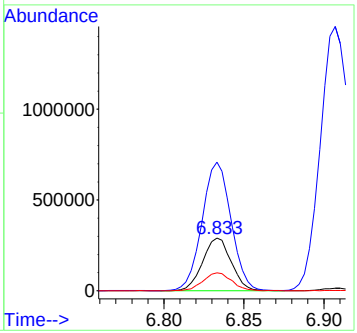


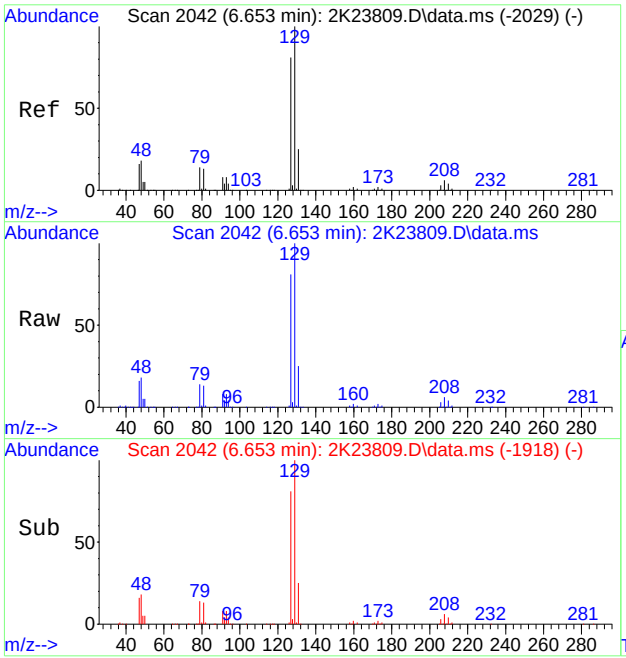


#81
butyl acetate
Concen: 50.05 ug/L
RT: 6.833 min Scan# 2098
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 56 Resp: 361616

Ion	Ratio	Lower	Upper
56	100		
43	243.5	213.5	273.5
73	34.2	4.2	64.2

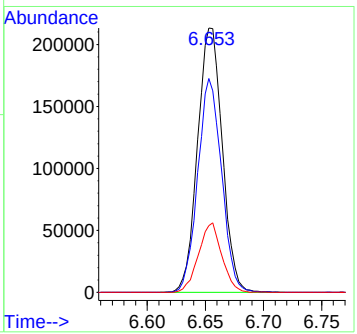


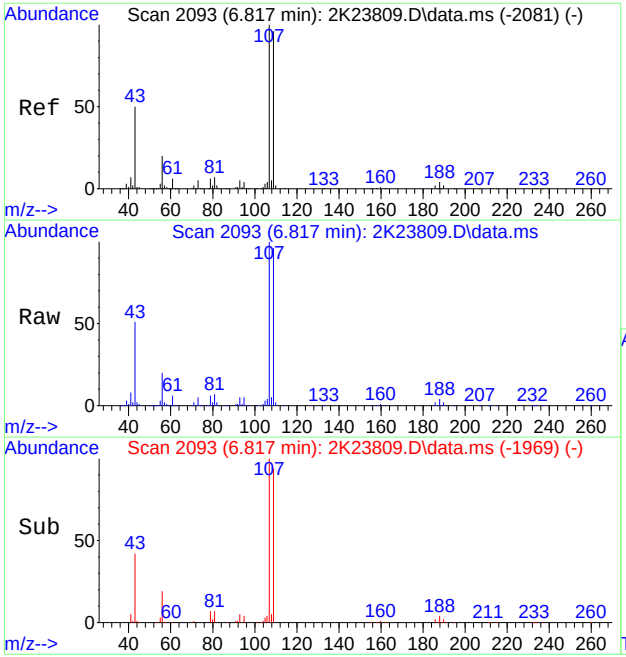


#82
dibromochloromethane
Concen: 50.00 ug/L
RT: 6.653 min Scan# 2042
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion:129 Resp: 315818

Ion	Ratio	Lower	Upper
129	100		
127	80.8	50.8	110.8
131	25.3	0.0	55.3

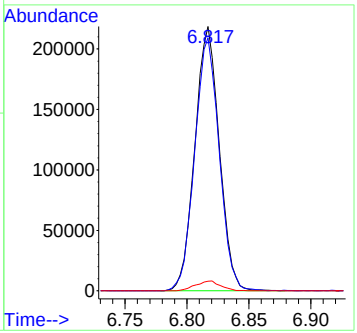


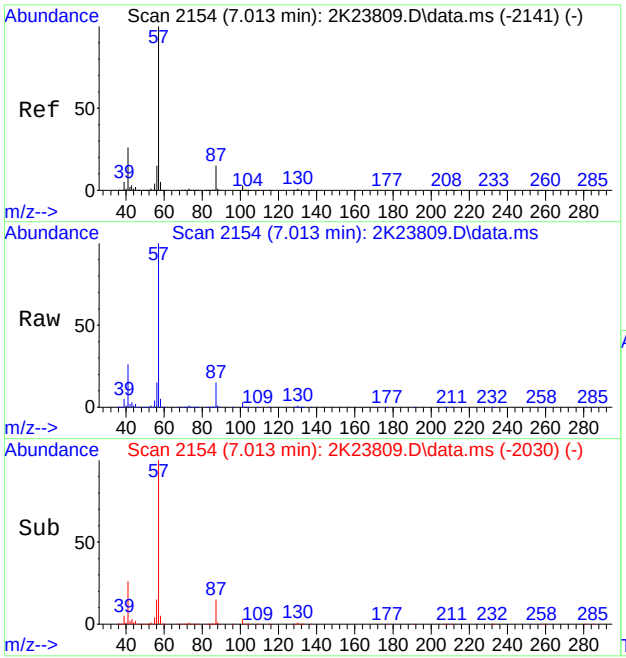


#83
1,2-dibromoethane
Concen: 50.00 ug/L
RT: 6.817 min Scan# 2093
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion:107 Resp: 298875

Ion	Ratio	Lower	Upper
107	100		
109	95.7	65.7	125.7
188	3.6	0.0	33.6

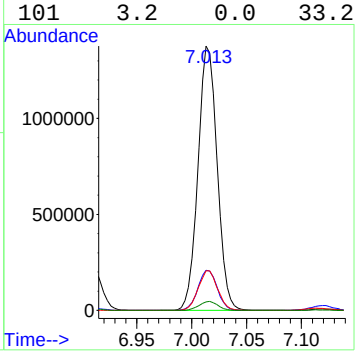


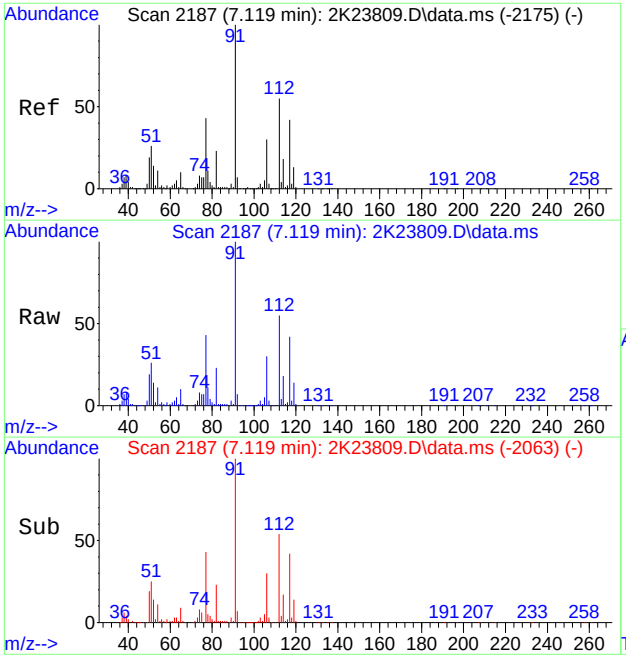


#84
n-butyl ether
Concen: 50.00 ug/L
RT: 7.013 min Scan# 2154
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 57 Resp: 1672947

Ion	Ratio	Lower	Upper
57	100		
56	15.2	0.0	45.2
87	15.0	0.0	45.0
101	3.2	0.0	33.2

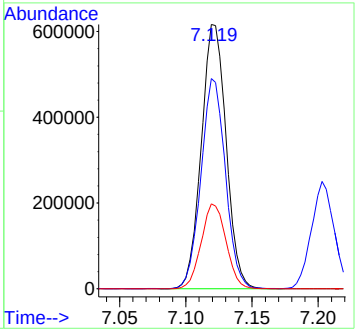


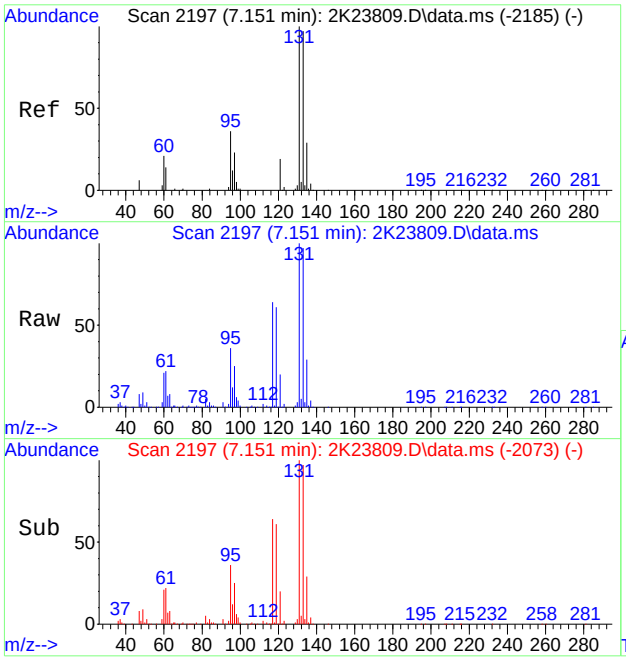


#85
chlorobenzene
Concen: 50.00 ug/L
RT: 7.119 min Scan# 2187
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion:112 Resp: 804161

Ion	Ratio	Lower	Upper
112	100		
77	79.5	49.5	109.5
114	32.1	2.1	62.1

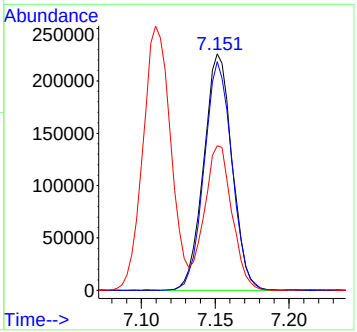


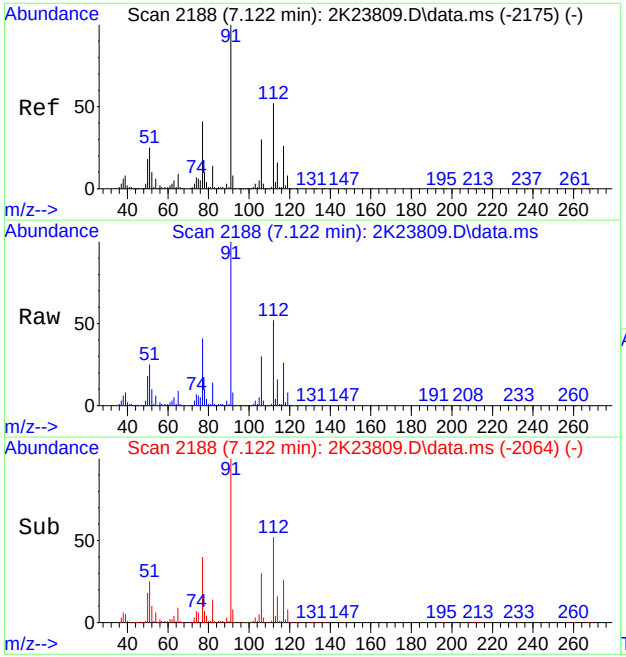


#86
1,1,1,2-tetrachloroethane
Concen: 50.00 ug/L
RT: 7.151 min Scan# 2197
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion:131 Resp: 301115

Ion	Ratio	Lower	Upper
131	100		
133	96.7	66.7	126.7
119	61.1	31.1	91.1

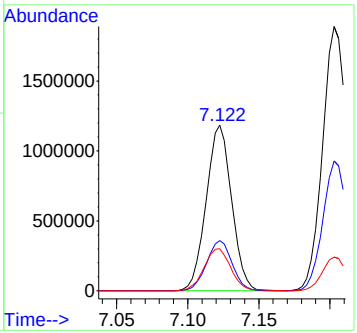


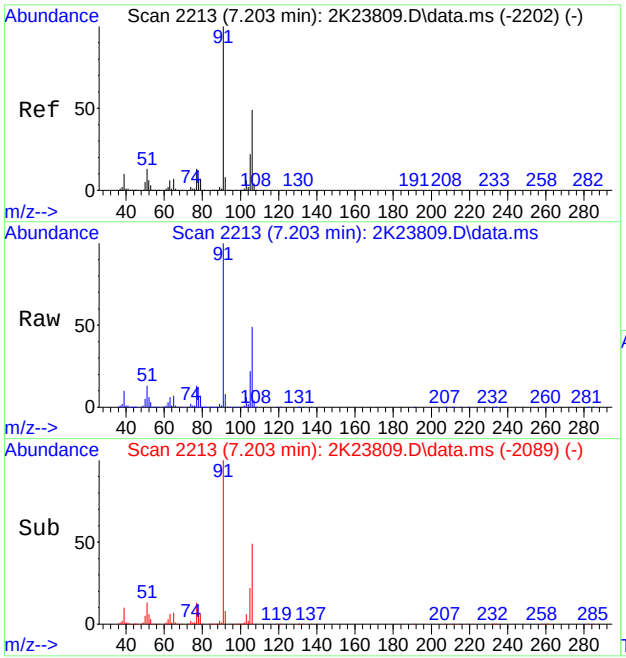


#87
ethylbenzene
Concen: 50.00 ug/L
RT: 7.122 min Scan# 2188
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 91 Resp: 1471088

Ion	Ratio	Lower	Upper
91	100		
106	30.3	0.3	60.3
51	25.4	0.0	55.4

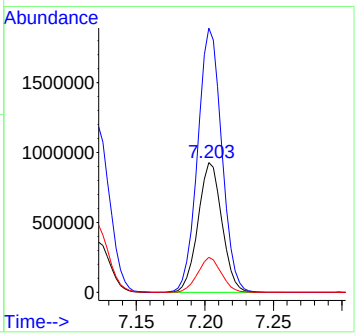


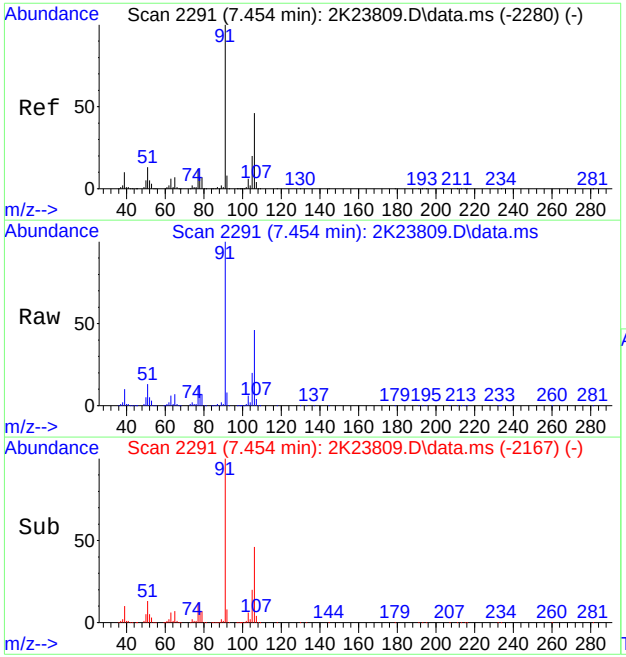


#88
m,p-xylene
Concen: 100.00 ug/L
RT: 7.203 min Scan# 2213
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion:106 Resp: 1124777

Ion	Ratio	Lower	Upper
106	100		
91	203.5	173.5	233.5
77	27.0	7.0	47.0

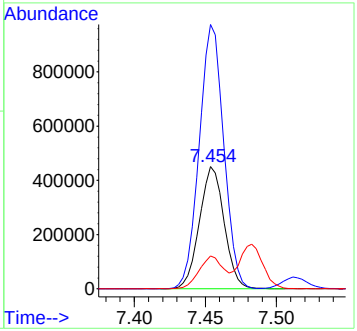


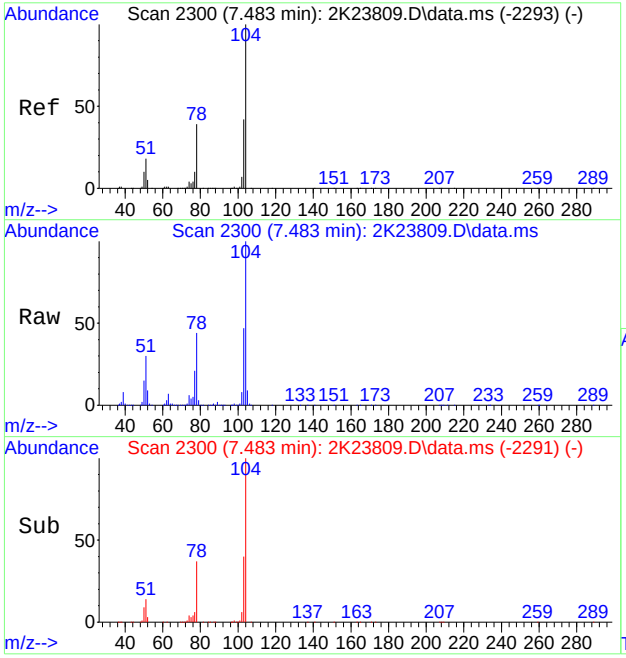


#89
o-xylene
Concen: 50.00 ug/L
RT: 7.454 min Scan# 2291
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion:106 Resp: 544955

Ion	Ratio	Lower	Upper
106	100		
91	216.3	186.3	246.3
77	26.7	6.7	46.7

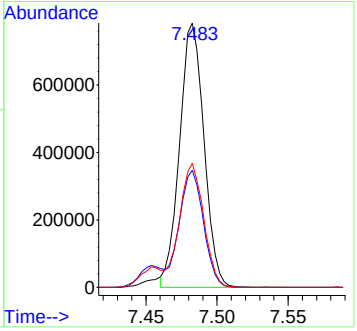


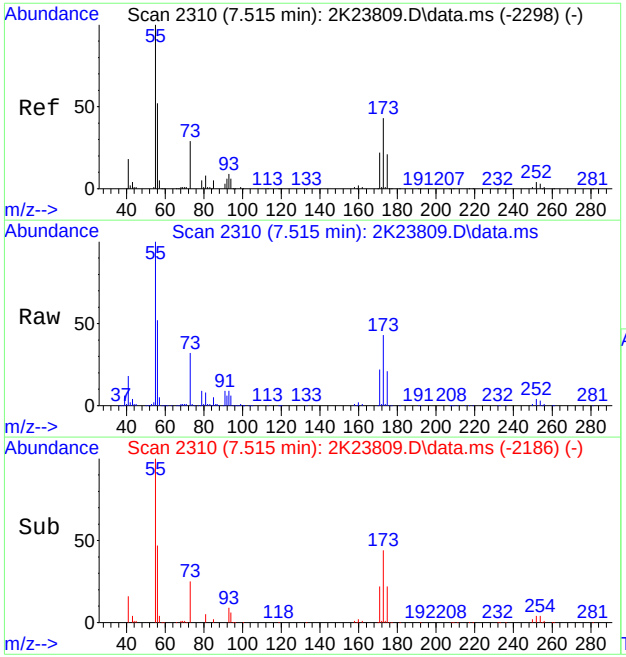


#90
styrene
Concen: 49.68 ug/L
RT: 7.483 min Scan# 2300
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion:104 Resp: 934329

Ion	Ratio	Lower	Upper
104	100		
78	44.3	14.3	74.3
103	47.0	17.0	77.0

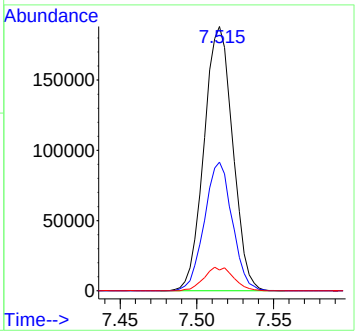


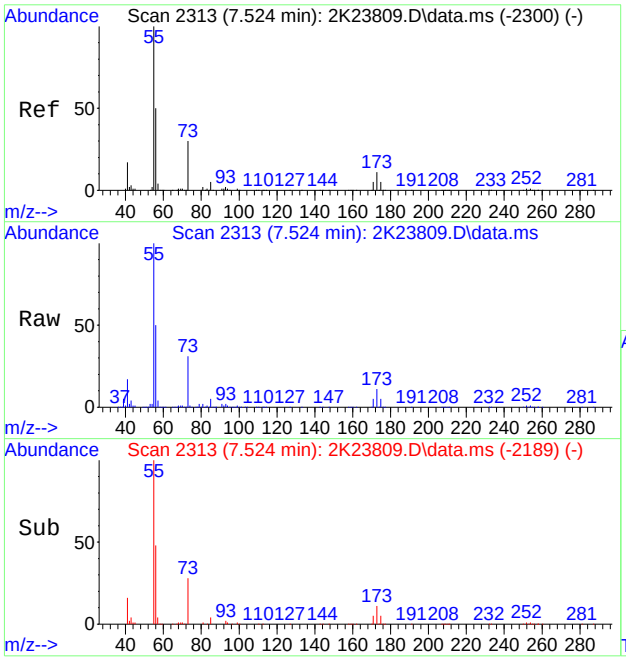


#91
bromoform
Concen: 50.00 ug/L
RT: 7.515 min Scan# 2310
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion:173 Resp: 244699

Ion	Ratio	Lower	Upper
173	100		
175	48.6	18.6	78.6
254	7.9	0.0	37.9

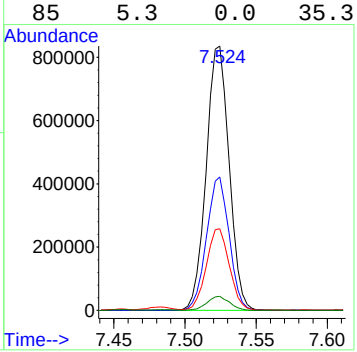


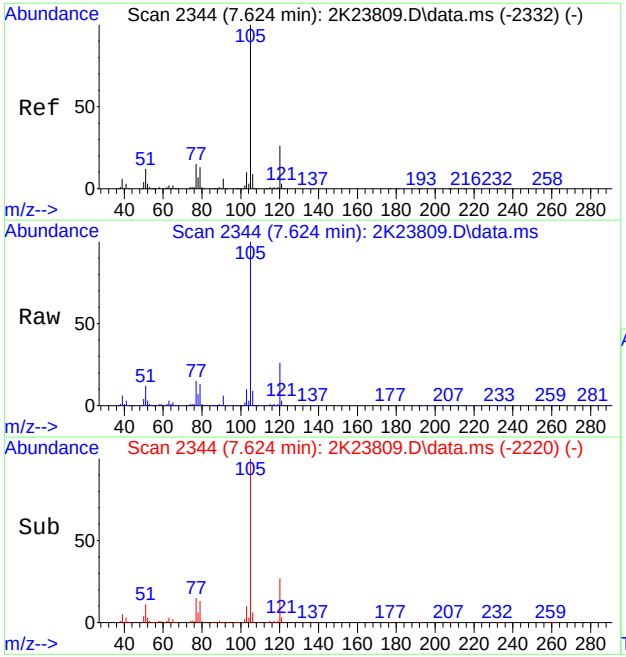


#92
butyl acrylate
Concen: 50.00 ug/L
RT: 7.524 min Scan# 2313
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 55 Resp: 936065

Ion	Ratio	Lower	Upper
55	100		
56	50.5	20.5	80.5
73	30.7	0.7	60.7
85	5.3	0.0	35.3

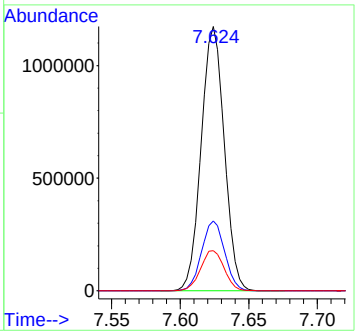


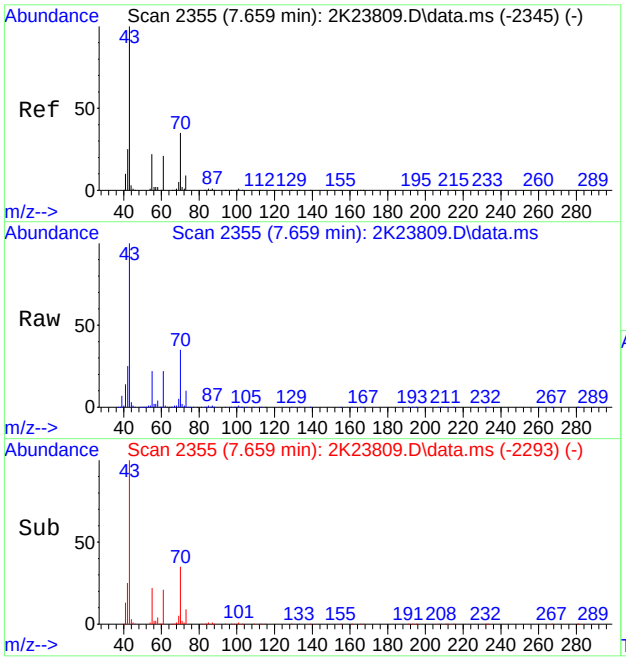


#93
isopropylbenzene
Concen: 50.00 ug/L
RT: 7.624 min Scan# 2344
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion:105 Resp: 1372771

Ion	Ratio	Lower	Upper
105	100		
120	26.4	6.4	46.4
77	15.1	0.0	35.1

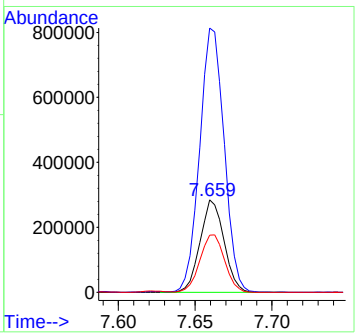


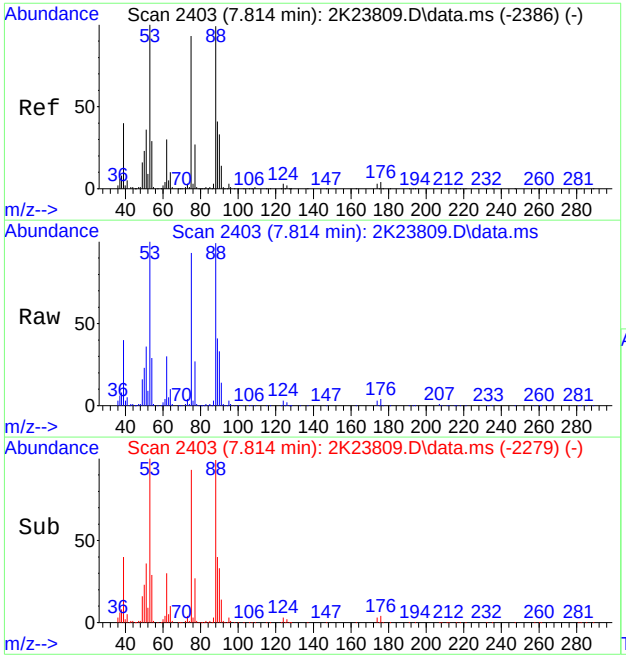


#94
n-amyl acetate
Concen: 50.00 ug/L
RT: 7.659 min Scan# 2355
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 70 Resp: 308824

Ion	Ratio	Lower	Upper
70	100		
43	285.5	265.5	305.5
61	61.9	41.9	81.9

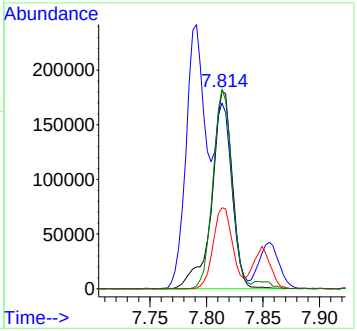


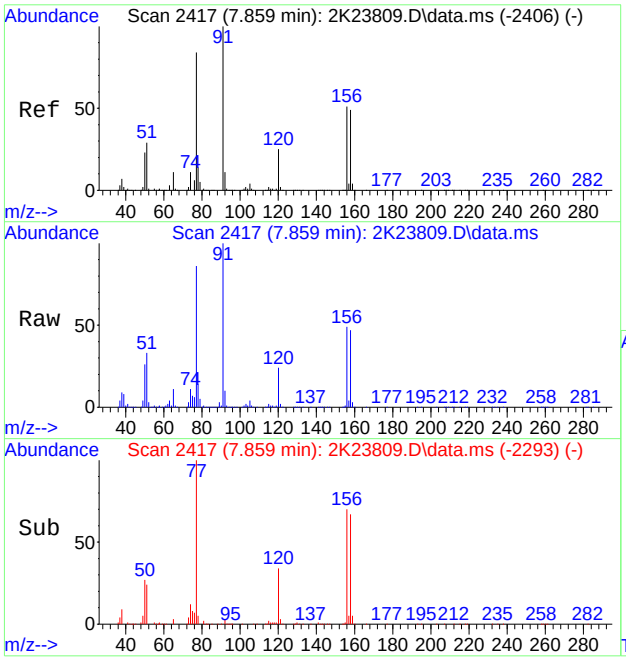


#95
cis-1,4-dichloro-2-butene
Concen: 50.00 ug/L
RT: 7.814 min Scan# 2403
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 88 Resp: 229606

Ion	Ratio	Lower	Upper
88	100		
75	93.7	73.7	113.7
89	40.9	20.9	60.9
53	101.0	81.0	121.0

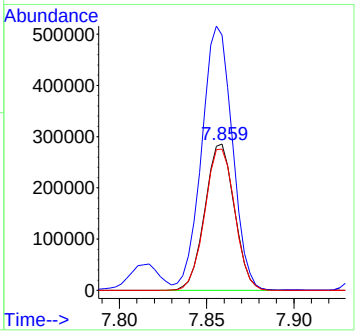


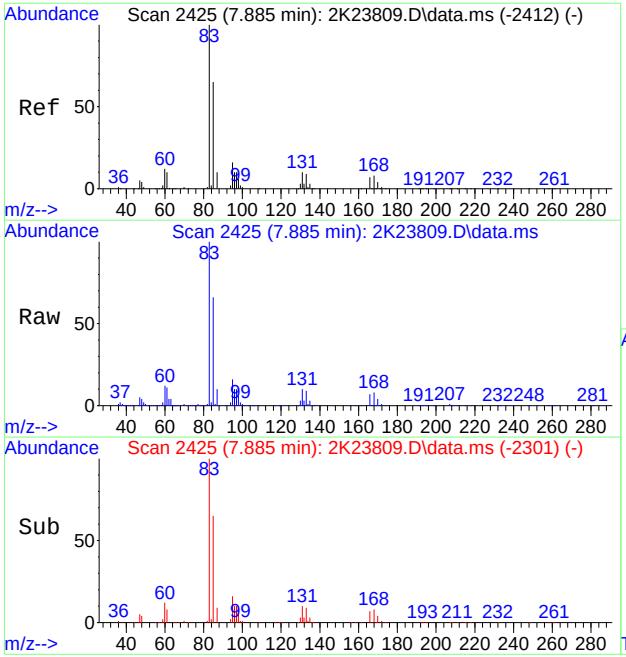


#98
bromobenzene
Concen: 50.00 ug/L
RT: 7.859 min Scan# 2417
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion:156 Resp: 336682

Ion	Ratio	Lower	Upper
156	100		
77	174.3	144.3	204.3
158	96.5	66.5	126.5

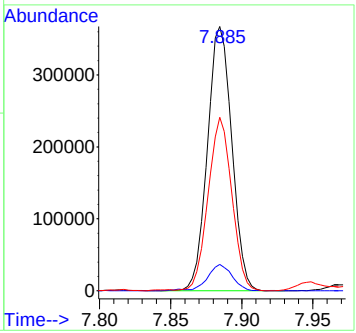


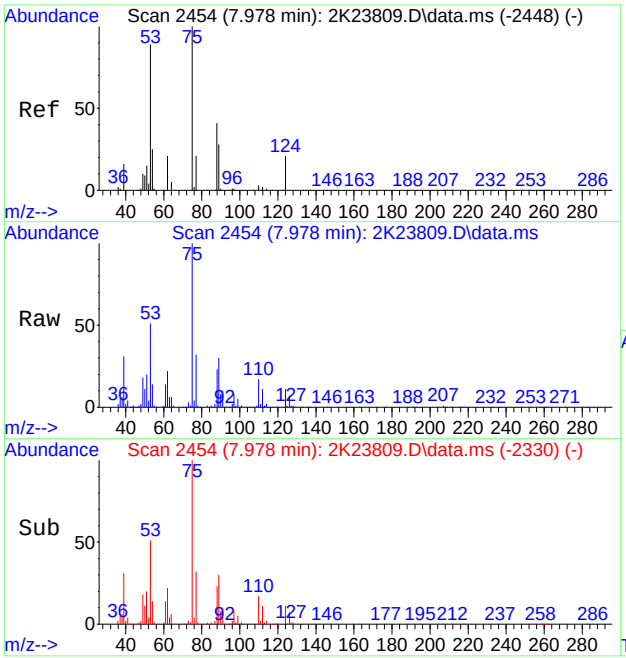


#99
1,1,2,2-tetrachloroethane
Concen: 50.00 ug/L
RT: 7.885 min Scan# 2425
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 83 Resp: 437940

Ion	Ratio	Lower	Upper
83	100		
131	10.0	0.0	40.0
85	65.3	35.3	95.3

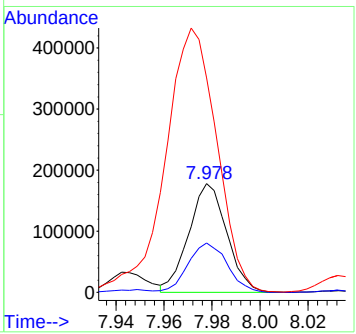


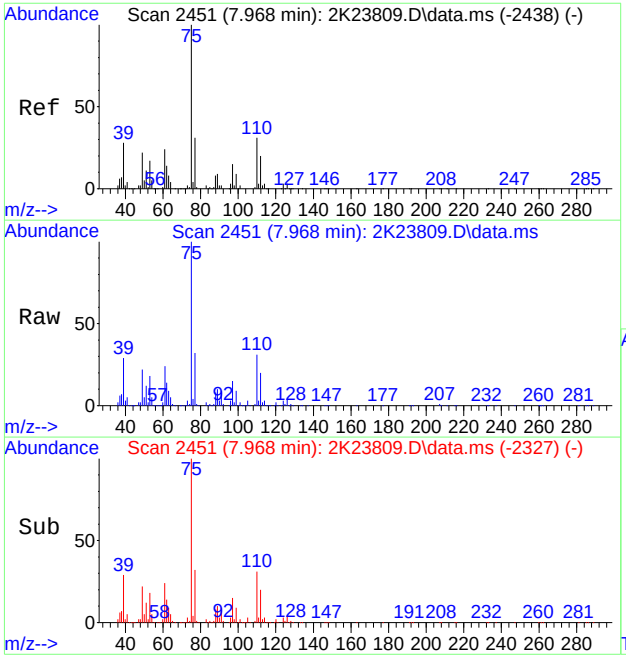


#100
trans-1,4-dichloro-2-butene
Concen: 50.00 ug/L
RT: 7.978 min Scan# 2454
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 53 Resp: 196046

Ion	Ratio	Lower	Upper
53	100		
88	45.2	15.2	75.2
75	196.9	166.9	226.9

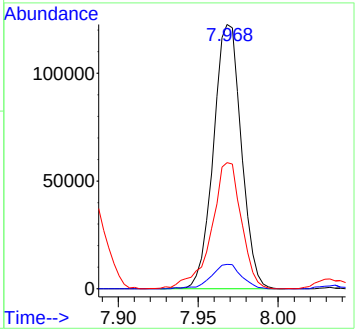


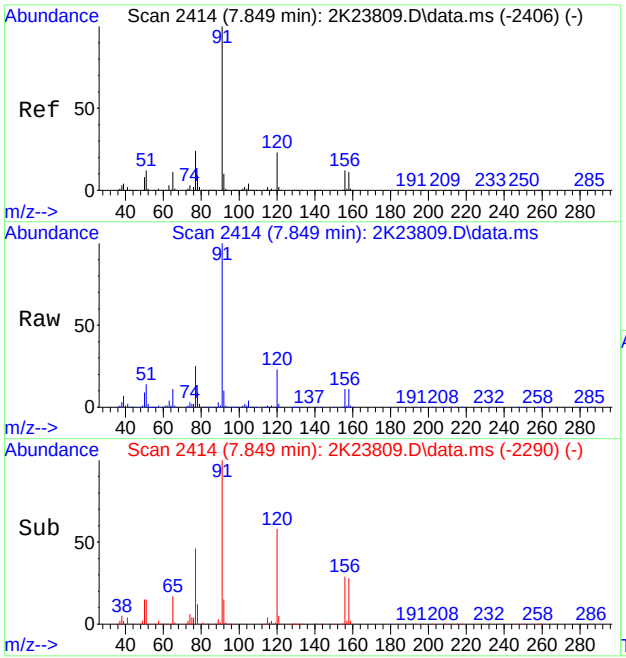


#101
1,2,3-trichloropropane
Concen: 50.00 ug/L
RT: 7.968 min Scan# 2451
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion:110 Resp: 148490

Ion	Ratio	Lower	Upper
110	100		
111	9.3	0.0	39.3
97	47.7	17.7	77.7

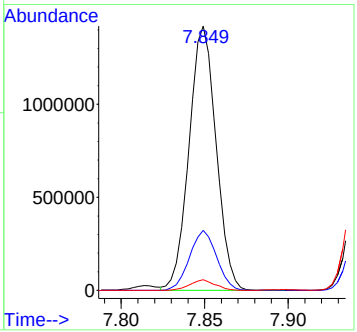


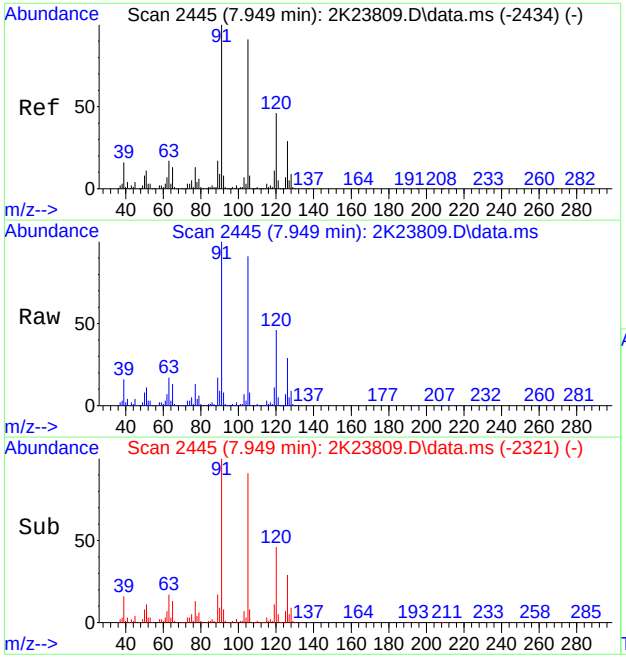


#102
n-propylbenzene
Concen: 50.00 ug/L
RT: 7.849 min Scan# 2414
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 91 Resp: 1599395

Ion	Ratio	Lower	Upper
91	100		
120	22.7	0.0	52.7
105	4.0	0.0	34.0

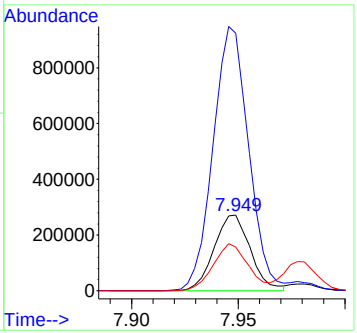


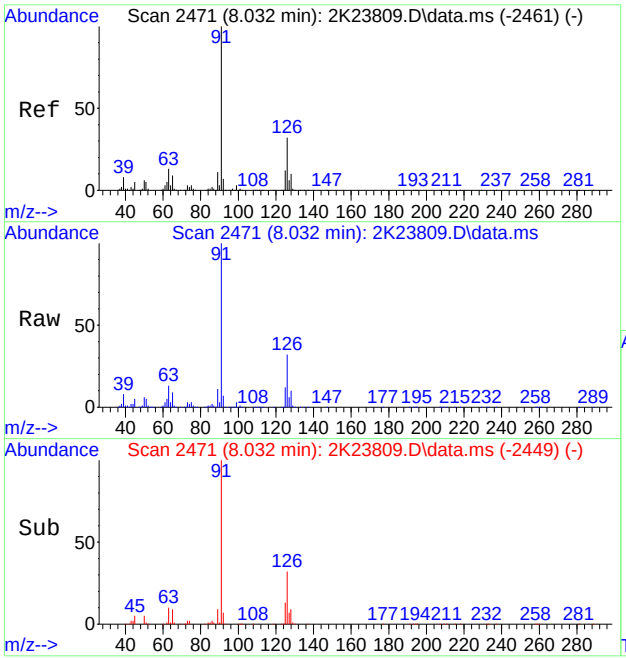


#103
2-chlorotoluene
Concen: 50.00 ug/L
RT: 7.949 min Scan# 2445
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion:126 Resp: 322311

Ion	Ratio	Lower	Upper
126	100		
91	339.9	309.9	369.9
89	57.7	27.7	87.7

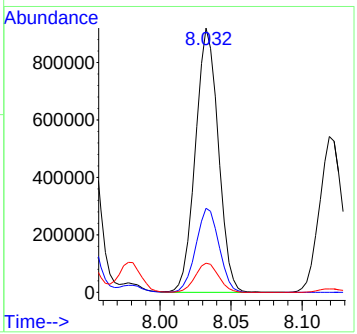


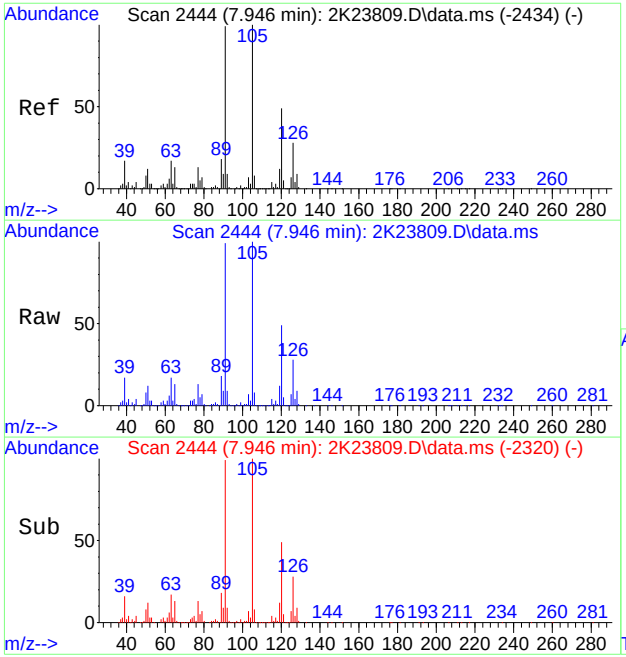


#104
4-chlorotoluene
Concen: 50.00 ug/L
RT: 8.032 min Scan# 2471
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 91 Resp: 1025773

Ion	Ratio	Lower	Upper
91	100		
126	31.8	1.8	61.8
89	11.0	0.0	41.0

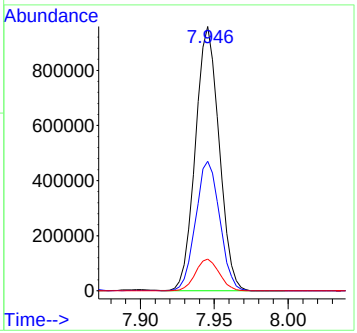


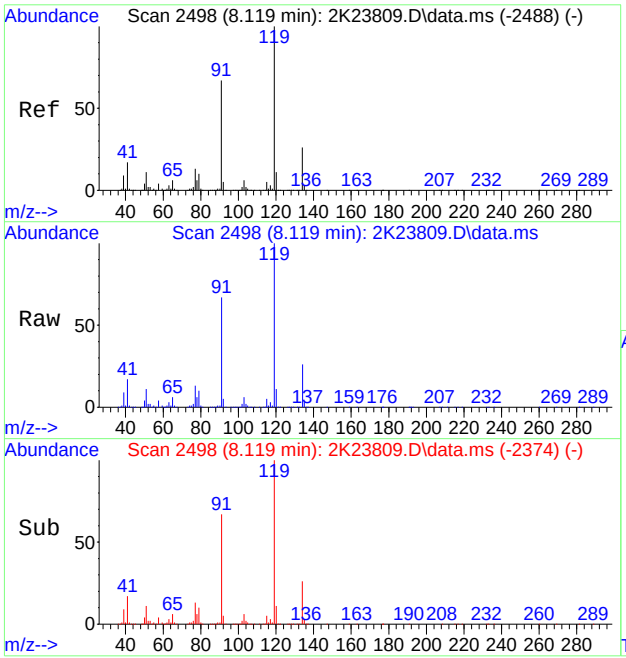


#105
1,3,5-trimethylbenzene
Concen: 50.00 ug/L
RT: 7.946 min Scan# 2444
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion:105 Resp: 1069676

Ion	Ratio	Lower	Upper
105	100		
120	49.0	19.0	79.0
119	12.0	0.0	42.0

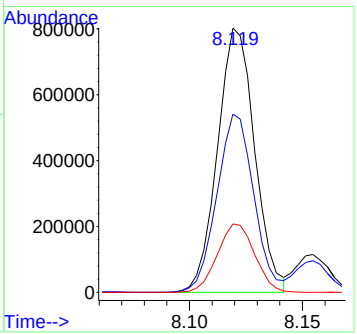


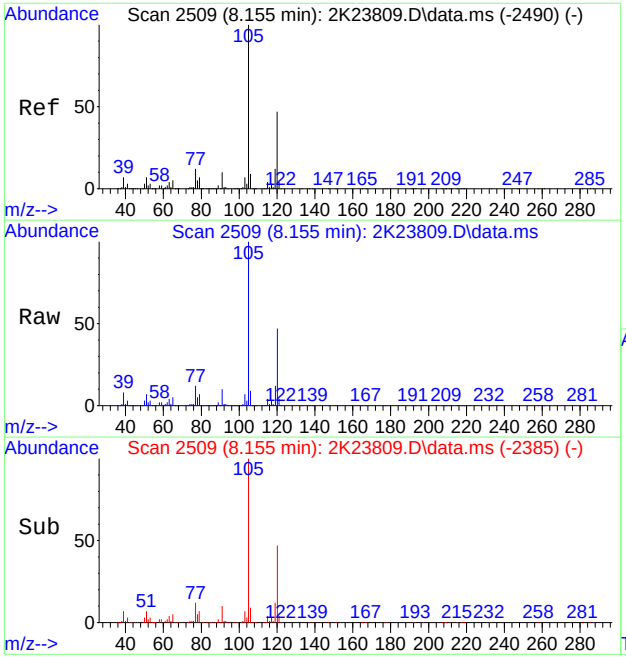


#106
tert-butylbenzene
Concen: 50.00 ug/L
RT: 8.119 min Scan# 2498
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion:119 Resp: 917098

Ion	Ratio	Lower	Upper
119	100		
91	67.4	37.4	97.4
134	25.8	0.0	55.8

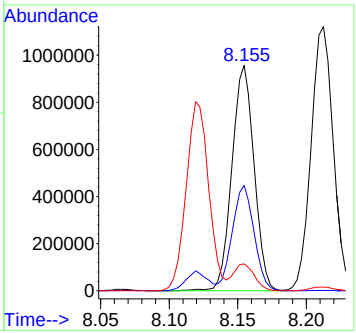


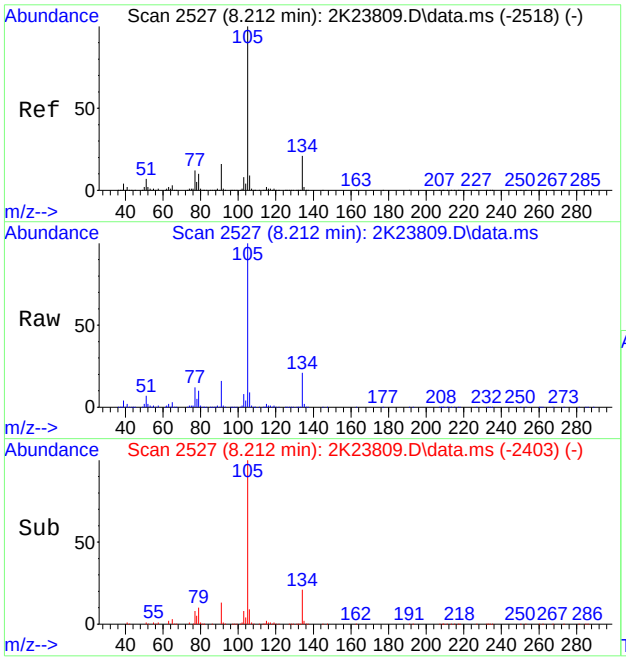


#107
1,2,4-trimethylbenzene
Concen: 50.00 ug/L
RT: 8.155 min Scan# 2509
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion:105 Resp: 1073532

Ion	Ratio	Lower	Upper
105	100		
120	46.8	16.8	76.8
119	12.0	0.0	42.0

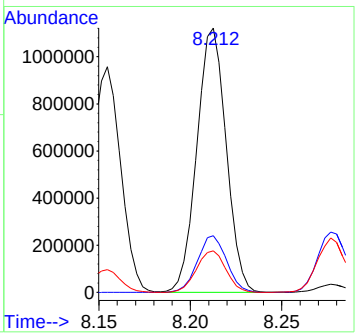


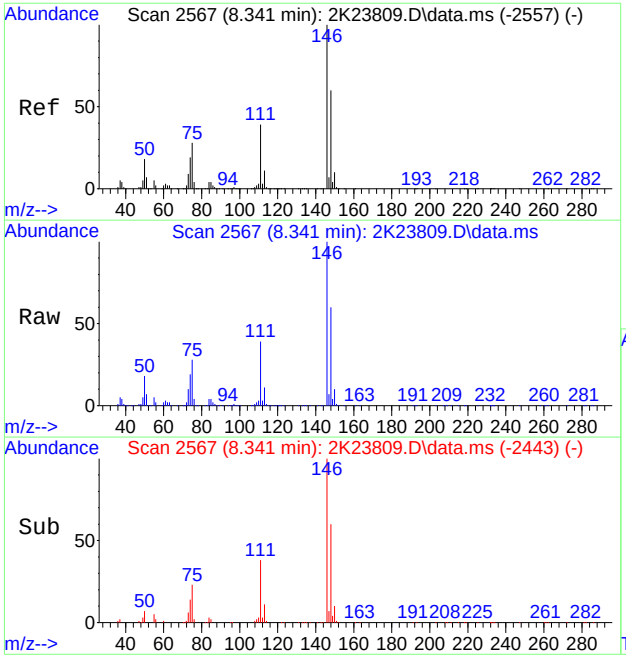


#108
sec-butylbenzene
Concen: 50.00 ug/L
RT: 8.212 min Scan# 2527
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion:105 Resp: 1259009

Ion	Ratio	Lower	Upper
105	100		
134	21.4	0.0	51.4
91	15.7	0.0	45.7

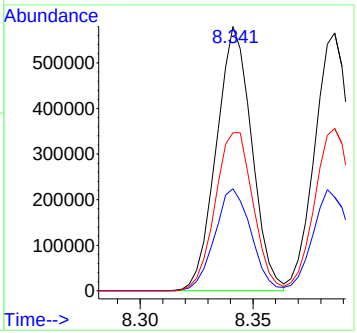


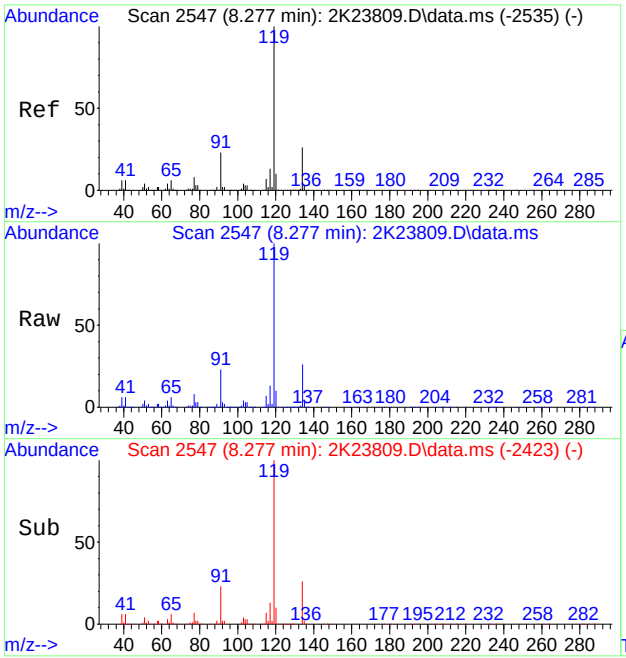


#109
1,3-dichlorobenzene
Concen: 50.00 ug/L
RT: 8.341 min Scan# 2567
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion:146 Resp: 630937

Ion	Ratio	Lower	Upper
146	100		
111	38.6	8.6	68.6
148	59.8	29.8	89.8

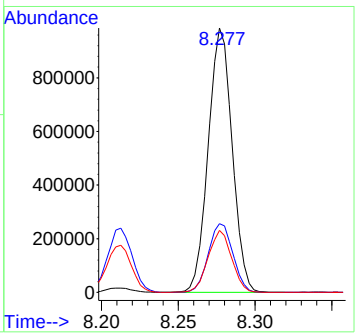


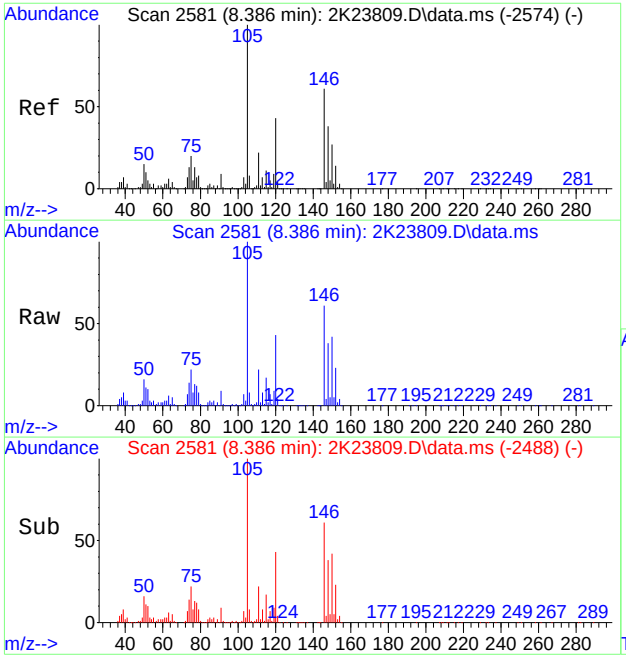


#110
p-isopropyltoluene
Concen: 50.00 ug/L
RT: 8.277 min Scan# 2547
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion:119 Resp: 1068843

Ion	Ratio	Lower	Upper
119	100		
134	26.0	0.0	56.0
91	23.4	0.0	53.4

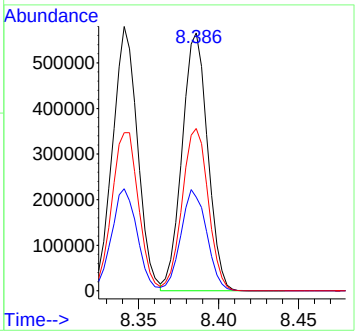


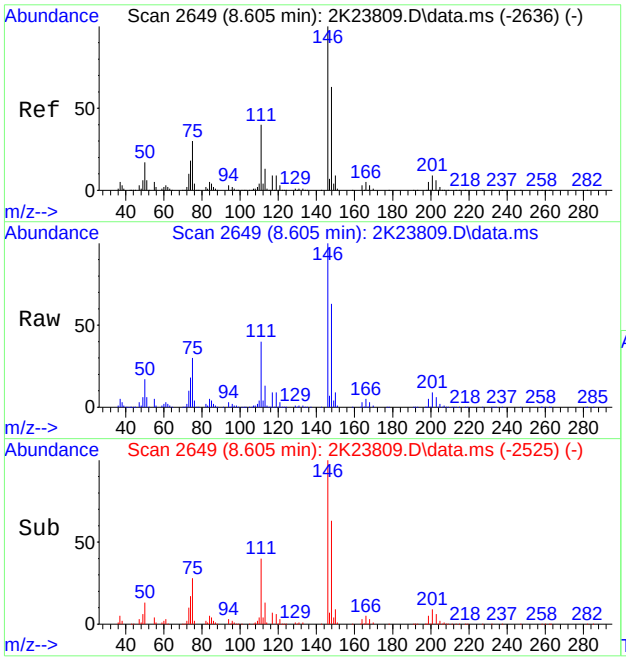


#111
1,4-dichlorobenzene
Concen: 50.00 ug/L
RT: 8.386 min Scan# 2581
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion:146 Resp: 629015

Ion	Ratio	Lower	Upper
146	100		
111	36.3	6.3	66.3
148	62.9	32.9	92.9

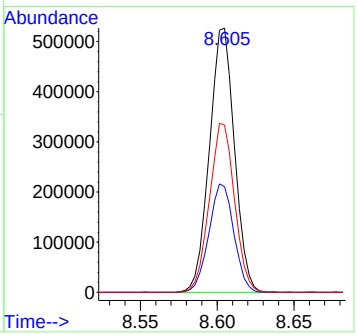


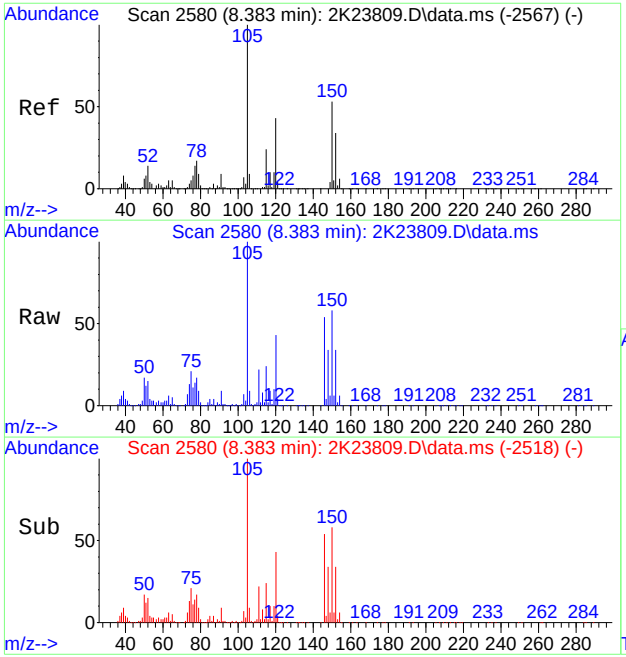


#112
1,2-dichlorobenzene
Concen: 50.00 ug/L
RT: 8.605 min Scan# 2649
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion:146 Resp: 599355

Ion	Ratio	Lower	Upper
146	100		
111	40.0	10.0	70.0
148	63.3	33.3	93.3

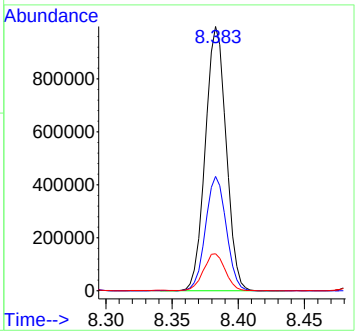


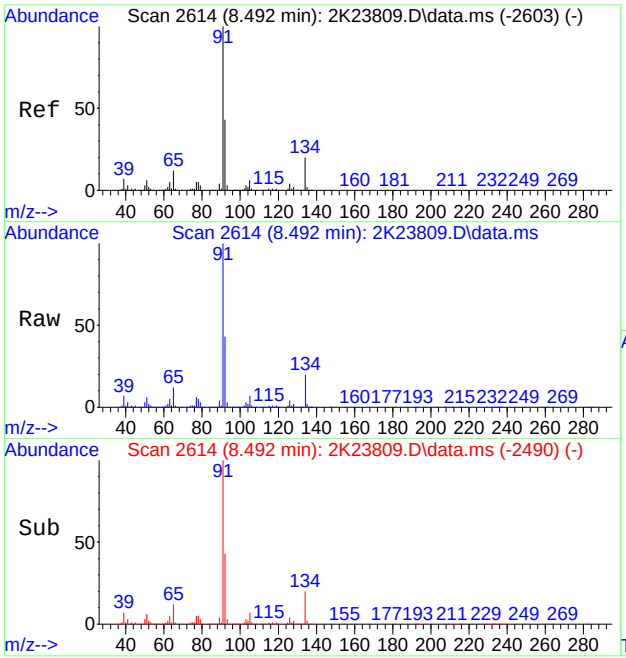


#113
1,2,3-trimethylbenzene
Concen: 50.00 ug/L
RT: 8.383 min Scan# 2580
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion:105 Resp: 1092899

Ion	Ratio	Lower	Upper
105	100		
120	43.3	13.3	73.3
77	13.9	0.0	43.9

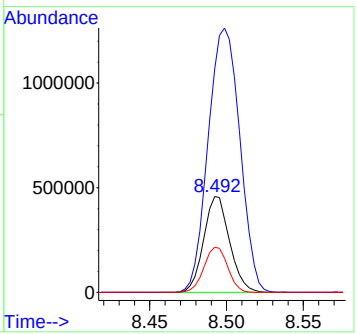


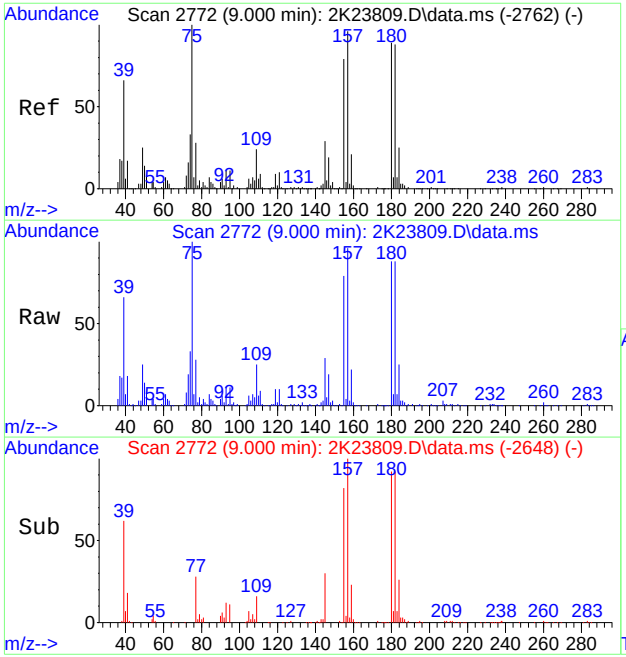


#114
n-butylbenzene
Concen: 50.00 ug/L
RT: 8.492 min Scan# 2614
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion: 92 Resp: 537866

Ion	Ratio	Lower	Upper
92	100		
91	233.0	203.0	263.0
134	47.1	17.1	77.1

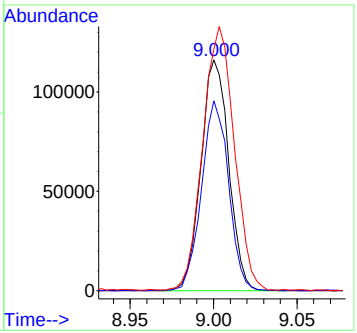


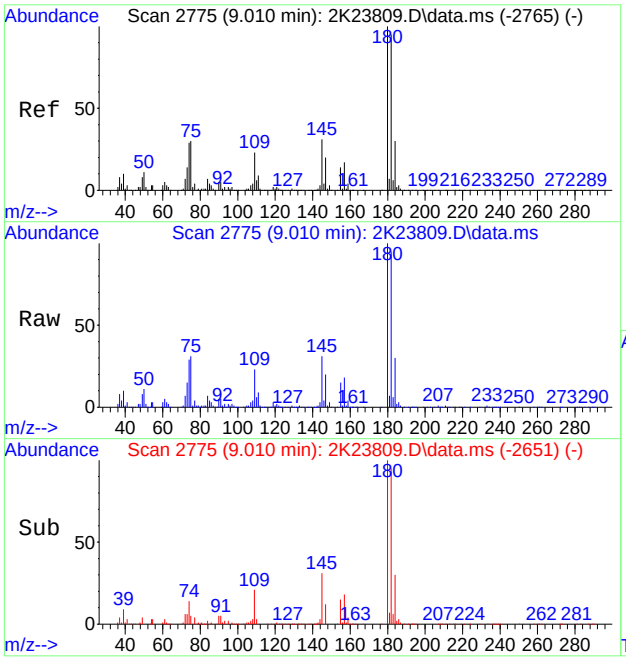


#115
1,2-dibromo-3-chloropropane
Concen: 50.00 ug/L
RT: 9.000 min Scan# 2772
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion:157 Resp: 134233

Ion	Ratio	Lower	Upper
157	100		
155	82.3	52.3	112.3
75	104.2	74.2	134.2

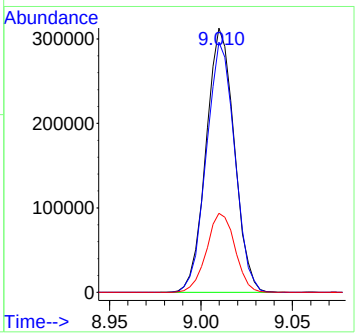


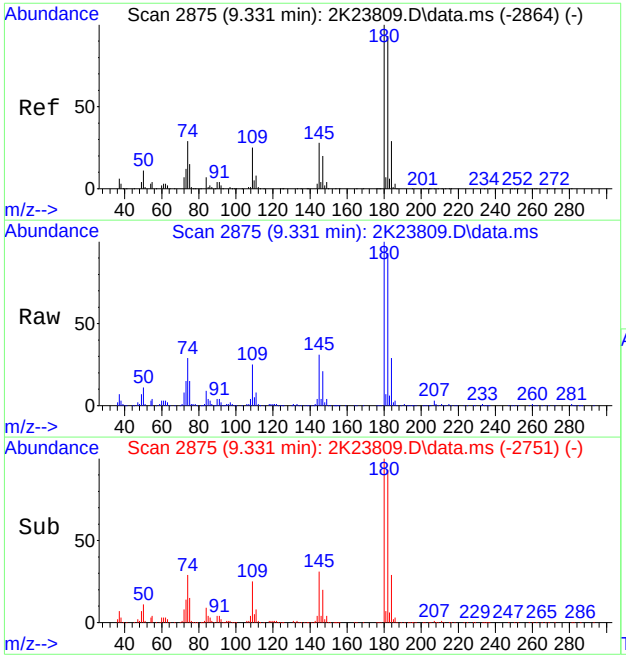


#116
1,3,5-trichlorobenzene
Concen: 50.00 ug/L
RT: 9.010 min Scan# 2775
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion:180 Resp: 337031

Ion	Ratio	Lower	Upper
180	100		
182	94.7	74.7	114.7
184	29.9	9.9	49.9

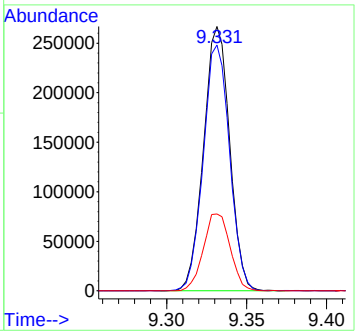


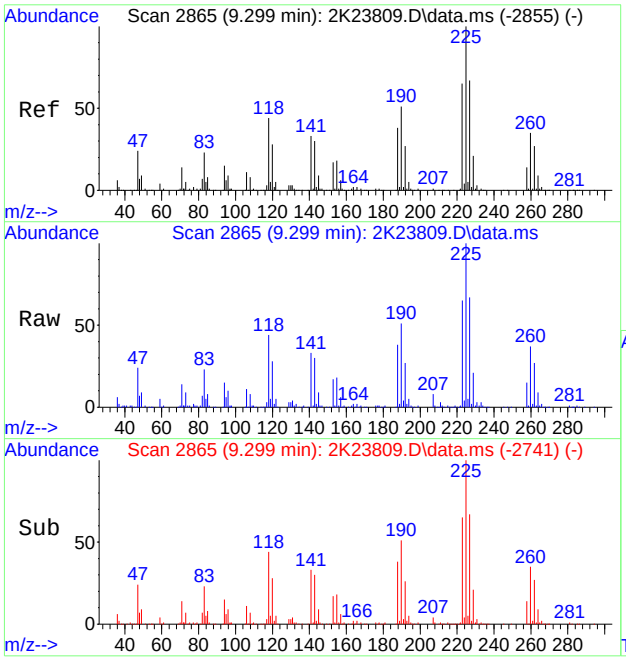


#117
1,2,4-trichlorobenzene
Concen: 50.00 ug/L
RT: 9.331 min Scan# 2875
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion:180 Resp: 302799

Ion	Ratio	Lower	Upper
180	100		
182	93.0	63.0	123.0
184	29.0	0.0	59.0

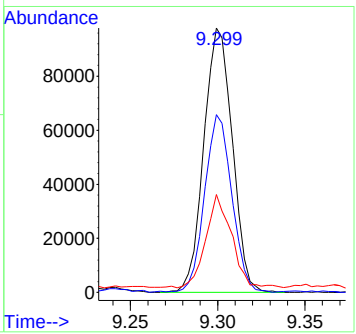


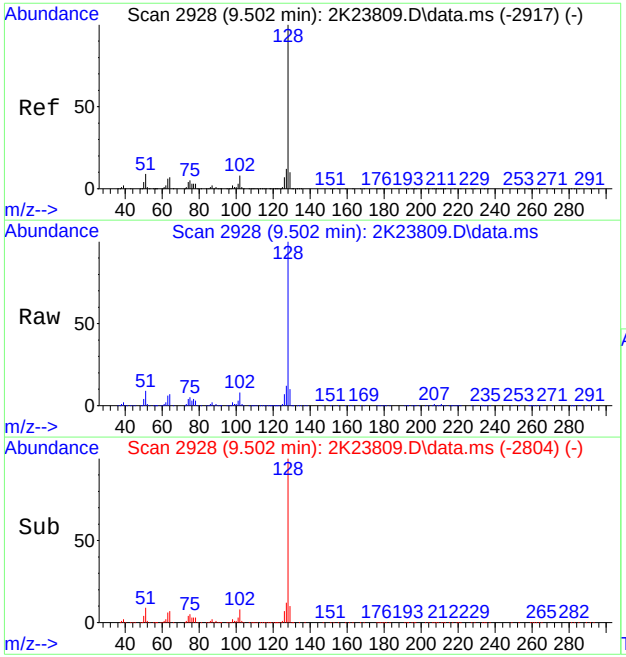


#118
hexachlorobutadiene
Concen: 50.00 ug/L
RT: 9.299 min Scan# 2865
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion:225 Resp: 111332

Ion	Ratio	Lower	Upper
225	100		
227	66.8	36.8	96.8
260	35.2	5.2	65.2

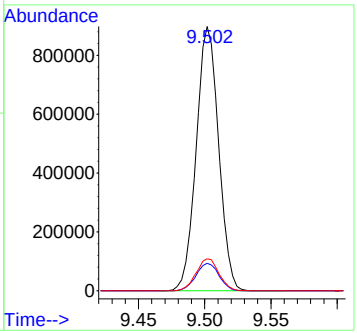


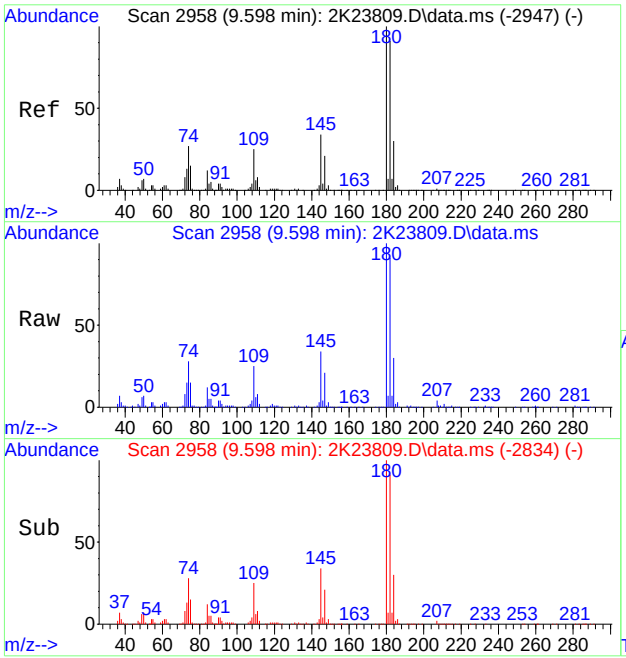


#119
naphthalene
Concen: 50.00 ug/L
RT: 9.502 min Scan# 2928
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion:128 Resp: 1054184

Ion	Ratio	Lower	Upper
128	100		
129	10.4	0.0	40.4
127	12.1	0.0	42.1

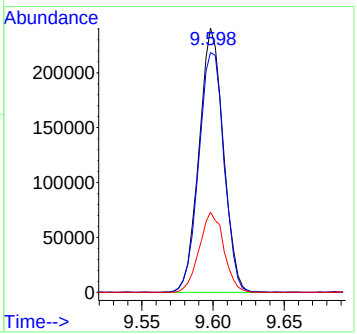


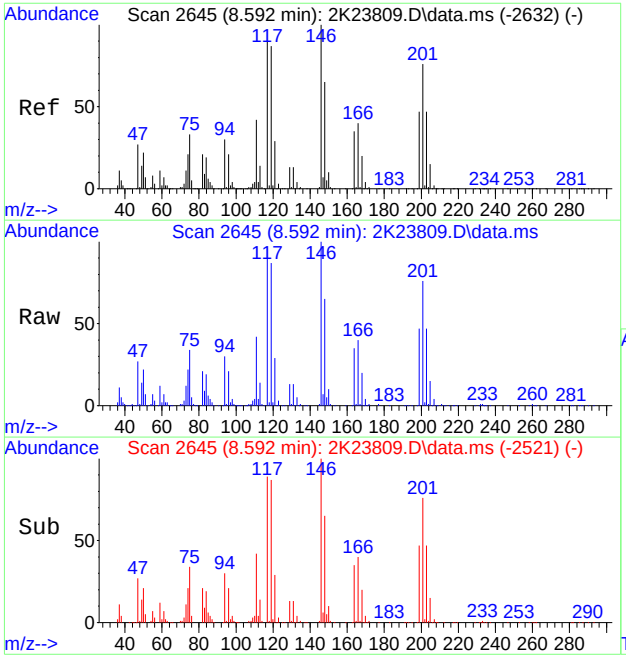


#120
1,2,3-trichlorobenzene
Concen: 50.00 ug/L
RT: 9.598 min Scan# 2958
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion:180 Resp: 286193

Ion	Ratio	Lower	Upper
180	100		
182	90.8	60.8	120.8
184	30.3	0.3	60.3

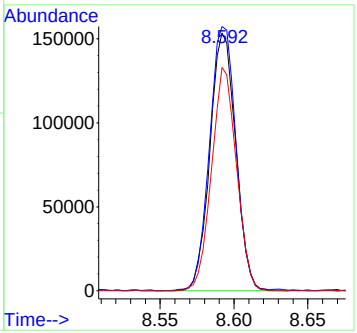


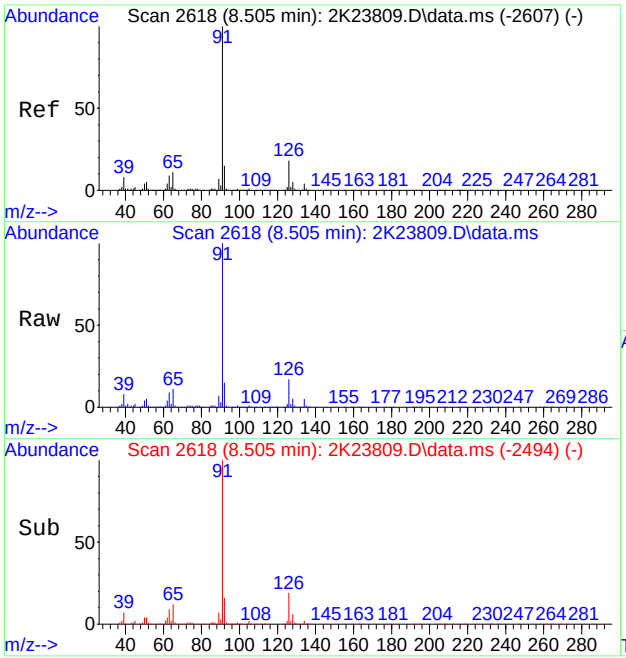


#121
hexachloroethane
Concen: 50.00 ug/L
RT: 8.592 min Scan# 2645
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion:119 Resp: 186212

Ion	Ratio	Lower	Upper
119	100		
117	102.5	72.5	132.5
201	86.6	56.6	116.6

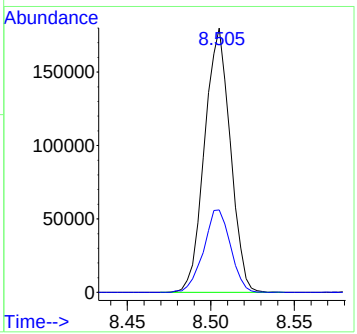


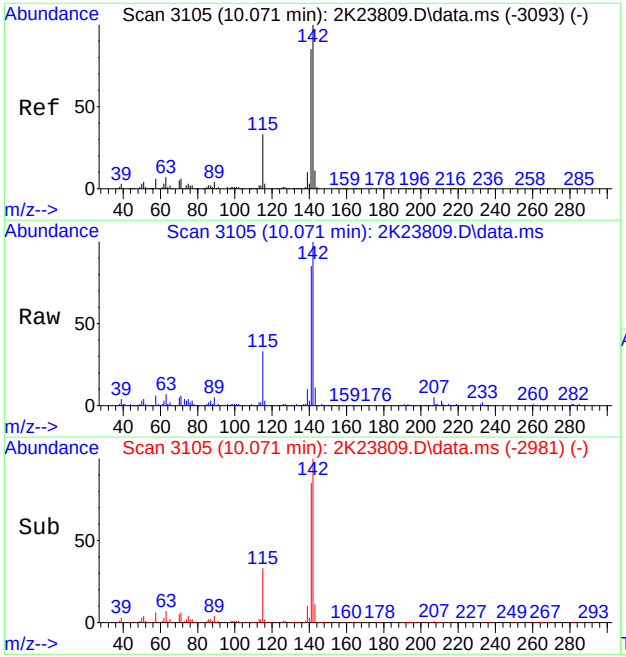


#122
benzyl chloride
Concen: 50.00 ug/L
RT: 8.505 min Scan# 2618
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion:126 Resp: 192584

Ion	Ratio	Lower	Upper
126	100		
128	31.1	1.1	61.1

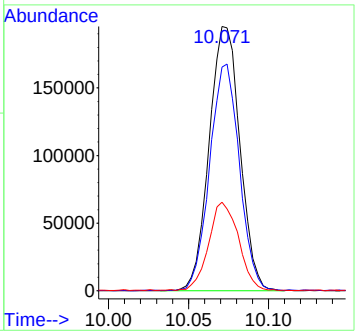




#123
2-methylnaphthalene
Concen: 25.00 ug/L
RT: 10.071 min Scan# 3105
Delta R.T. 0.000 min
Lab File: 2K23809.D
Acq: 6 Sep 2025 1:23 am

Tgt Ion:142 Resp: 261412

Ion	Ratio	Lower	Upper
142	100		
141	84.5	54.5	114.5
115	33.3	3.3	63.3



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 2K23811.D
Acq On : 6 Sep 2025 1:57 am
Operator : PrashanS
Sample : IC658-100
Misc : MS95614,V2K658,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 08 13:02:33 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 13:00:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	3.505	65	879934	500.00	ug/L	0.00
5) pentafluorobenzene	4.807	168	825961	50.00	ug/L	0.00
50) 1,4-difluorobenzene	5.171	114	1357622	50.00	ug/L	0.00
72) chlorobenzene-d5	7.110	117	1088565	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	8.376	152	533656	50.00	ug/L	0.00
124) pentafluorobenzene(a)	4.807	168	825961	50.00	ug/L	0.00
128) 1,4-dichlorobenzene-d4(a)	8.376	152	533656	50.00	ug/L	0.00
System Monitoring Compounds						
42) dibromofluoromethane (s)	4.528	113	354029	50.24	ug/L	0.00
Spiked Amount 50.000	Range 75 - 127		Recovery = 100.48%			
51) 1,2-dichloroethane-d4 (s)	4.881	65	444497	45.33	ug/L	0.00
Spiked Amount 50.000	Range 75 - 130		Recovery = 90.66%			
73) toluene-d8 (s)	6.123	98	1538820	51.62	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 103.24%			
97) 4-bromofluorobenzene (s)	7.791	95	561428	50.30	ug/L	0.00
Spiked Amount 50.000	Range 79 - 127		Recovery = 100.60%			
Target Compounds						Qvalue
2) ethanol	2.840	45	2081332	9087.7710	ug/L	99
3) tertiary butyl alcohol	3.557	59	965291	475.8686	ug/L	100
4) 1,4-dioxane	5.682	88	348028	2375.4674	ug/L	94
6) chlorodifluoromethane	1.763	51	1072916	94.3414	ug/L	100
7) dichlorodifluoromethane	1.724	85	787299	94.9423	ug/L	96
8) chloromethane	1.910	50	909472	94.0242	ug/L	97
9) vinyl chloride	1.975	62	812971	102.9482	ug/L	99
10) 1,3-butadiene	1.991	39	746912	92.8173	ug/L	98
11) bromomethane	2.255	96	268360	107.8634	ug/L #	99
12) chloroethane	2.348	64	379867	92.8344	ug/L	95
13) trichlorofluoromethane	2.476	101	1072268	98.1851	ug/L	99
14) ethyl ether	2.727	74	388852	99.6323	ug/L	96
15) acrolein	3.152	56	215757	103.5866	ug/L	99
16) freon 113	2.920	151	476015	98.0855	ug/L	97
17) 1,1-dichloroethene	2.901	61	1003792	98.3972	ug/L	95
18) acetone	3.357	58	482032	380.7365	ug/L	89
19) acetonitrile	3.701	41	1817583	942.9507	ug/L	97
20) iodomethane	3.026	142	658283	129.6914	ug/L	96
21) carbon disulfide	2.939	76	1736081	100.6724	ug/L	98
22) methylene chloride	3.338	84	589411	98.2910	ug/L	95
23) methyl acetate	3.441	74	173584	101.6430	ug/L	99
24) methyl tert butyl ether	3.512	73	2004193	96.2205	ug/L	99
25) trans-1,2-dichloroethene	3.451	96	605538	100.4068	ug/L	97
26) hexane	3.502	57	1582615	97.6058	ug/L	99
27) di-isopropyl ether	3.766	45	2613967	97.7221	ug/L	98
28) ethyl tert-butyl ether	4.013	59	2398731	101.0042	ug/L	98
29) 2-butanone	4.595	72	585449	442.8565	ug/L	98
30) 1,1-dichloroethane	3.881	63	1216716	98.1978	ug/L	100
31) chloroprene	3.862	53	1339675	100.1497	ug/L	98
32) acrylonitrile	3.910	52	400547	101.9263	ug/L	98
33) vinyl acetate	4.020	86	159187	95.6753	ug/L #	88
34) ethyl acetate	4.460	70	111729	99.7541	ug/L	97
35) 2,2-dichloropropane	4.312	77	945111	94.8211	ug/L	98
36) cis-1,2-dichloroethene	4.238	96	619019	96.5831	ug/L	96
37) propionitrile	4.801	54	2101495	989.7234	ug/L	95
38) methyl acrylate	4.476	85	154901	106.1208	ug/L #	95
39) bromochloromethane	4.373	128	277550	99.3714	ug/L	92
40) tetrahydrofuran	4.515	71	139920	99.4609	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 2K23811.D
Acq On : 6 Sep 2025 1:57 am
Operator : PrashanS
Sample : IC658-100
Misc : MS95614,V2K658,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 08 13:02:33 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 13:00:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) chloroform	4.409	83	1105556	93.2788 ug/L	100
43) methacrylonitrile	4.814	67	396908	92.6736 ug/L	96
44) 1,1,1-trichloroethane	4.560	97	962145	95.9527 ug/L	99
45) cyclohexane	4.386	84	925952	104.8869 ug/L	97
46) 1,1-dichloropropene	4.634	75	896699	104.2342 ug/L	99
47) carbon tetrachloride	4.515	117	884546	96.6678 ug/L	99
49) tert-amyl alcohol	4.946	55	335813	489.6682 ug/L	98
52) iso-octane	4.692	57	2460651	95.0343 ug/L	98
53) benzene	4.798	78	2518845	97.7600 ug/L	96
54) tert-amyl methyl ether	4.840	73	2081682	94.6305 ug/L	99
55) heptane	4.743	57	361588	95.8057 ug/L	96
56) isopropyl acetate	5.033	87	213128	102.2656 ug/L #	90
57) 1,2-dichloroethane	4.926	62	923689	86.8343 ug/L	96
58) n-butyl alcohol	5.319	56	2847208	4939.5493 ug/L	98
59) ethyl acrylate	5.476	55	1408813	100.2705 ug/L	99
60) trichloroethene	5.168	130	641877	103.1545 ug/L	97
61) 2-nitropropane	6.309	41	338079	88.3181 ug/L	84
62) 2-chloroethyl vinyl ether	5.926	63	2599881	554.9387 ug/L	99
63) methyl methacrylate	5.621	100	247514	102.2883 ug/L	93
64) 1,2-dichloropropane	5.515	63	691048	95.6558 ug/L	99
65) methylcyclohexane	5.171	98	458440	100.7307 ug/L	92
66) dibromomethane	5.447	93	375221	93.0407 ug/L	98
67) bromodichloromethane	5.544	83	832470	96.2433 ug/L	96
68) epichlorohydrin	6.155	57	773047	476.9236 ug/L	98
69) cis-1,3-dichloropropene	5.991	75	1068920	97.3431 ug/L	97
70) 4-methyl-2-pentanone	6.386	58	1839365	390.9976 ug/L	94
71) 3-methyl-1-butanol	6.222	70	887055	1982.7295 ug/L	97
74) toluene	6.158	92	1556412	99.1474 ug/L	99
75) ethyl methacrylate	6.492	69	1015475	104.3993 ug/L	99
76) trans-1,3-dichloropropene	6.422	75	1047714	101.8816 ug/L	96
77) 1,1,2-trichloroethane	6.531	83	477291	100.5628 ug/L	97
78) tetrachloroethene	6.422	166	609350	101.8281 ug/L	98
79) 2-hexanone	6.907	58	1981016	401.8273 ug/L	99
80) 1,3-dichloropropane	6.711	76	1053670	102.3232 ug/L	99
81) butyl acetate	6.833	56	722323	100.5299 ug/L	99
82) dibromochloromethane	6.653	129	643637	105.6141 ug/L	98
83) 1,2-dibromoethane	6.814	107	618901	108.5405 ug/L	99
84) n-butyl ether	7.013	57	3371660	103.3078 ug/L	99
85) chlorobenzene	7.119	112	1631951	100.0263 ug/L	97
86) 1,1,1,2-tetrachloroethane	7.151	131	599541	104.5459 ug/L	99
87) ethylbenzene	7.122	91	2959446	98.2384 ug/L	99
88) m,p-xylene	7.203	106	2269634	207.9288 ug/L	98
89) o-xylene	7.454	106	1089804	102.2440 ug/L	99
90) styrene	7.483	104	1889373	105.0662 ug/L	99
91) bromoform	7.512	173	496081	101.1272 ug/L	98
92) butyl acrylate	7.524	55	1866959	101.5072 ug/L	98
93) isopropylbenzene	7.624	105	2781039	105.7103 ug/L	98
94) n-amyl acetate	7.659	70	615185	104.6840 ug/L	98
95) cis-1,4-dichloro-2-butene	7.814	88	441080	104.5119 ug/L	98
98) bromobenzene	7.859	156	677504	98.8062 ug/L	99
99) 1,1,2,2-tetrachloroethane	7.885	83	883398	100.0075 ug/L	98
100) trans-1,4-dichloro-2-b...	7.978	53	390543	95.1588 ug/L	100
101) 1,2,3-trichloropropane	7.968	110	296125	98.5731 ug/L	97
102) n-propylbenzene	7.849	91	3250790	104.8055 ug/L	99
103) 2-chlorotoluene	7.946	126	637736	99.3449 ug/L	92
104) 4-chlorotoluene	8.032	91	2077065	101.5041 ug/L	100
105) 1,3,5-trimethylbenzene	7.946	105	2168136	101.7781 ug/L	100
106) tert-butylbenzene	8.119	119	1861568	101.7149 ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 2K23811.D
Acq On : 6 Sep 2025 1:57 am
Operator : PrashanS
Sample : IC658-100
Misc : MS95614,V2K658,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 08 13:02:33 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 13:00:48 2025
Response via : Initial Calibration

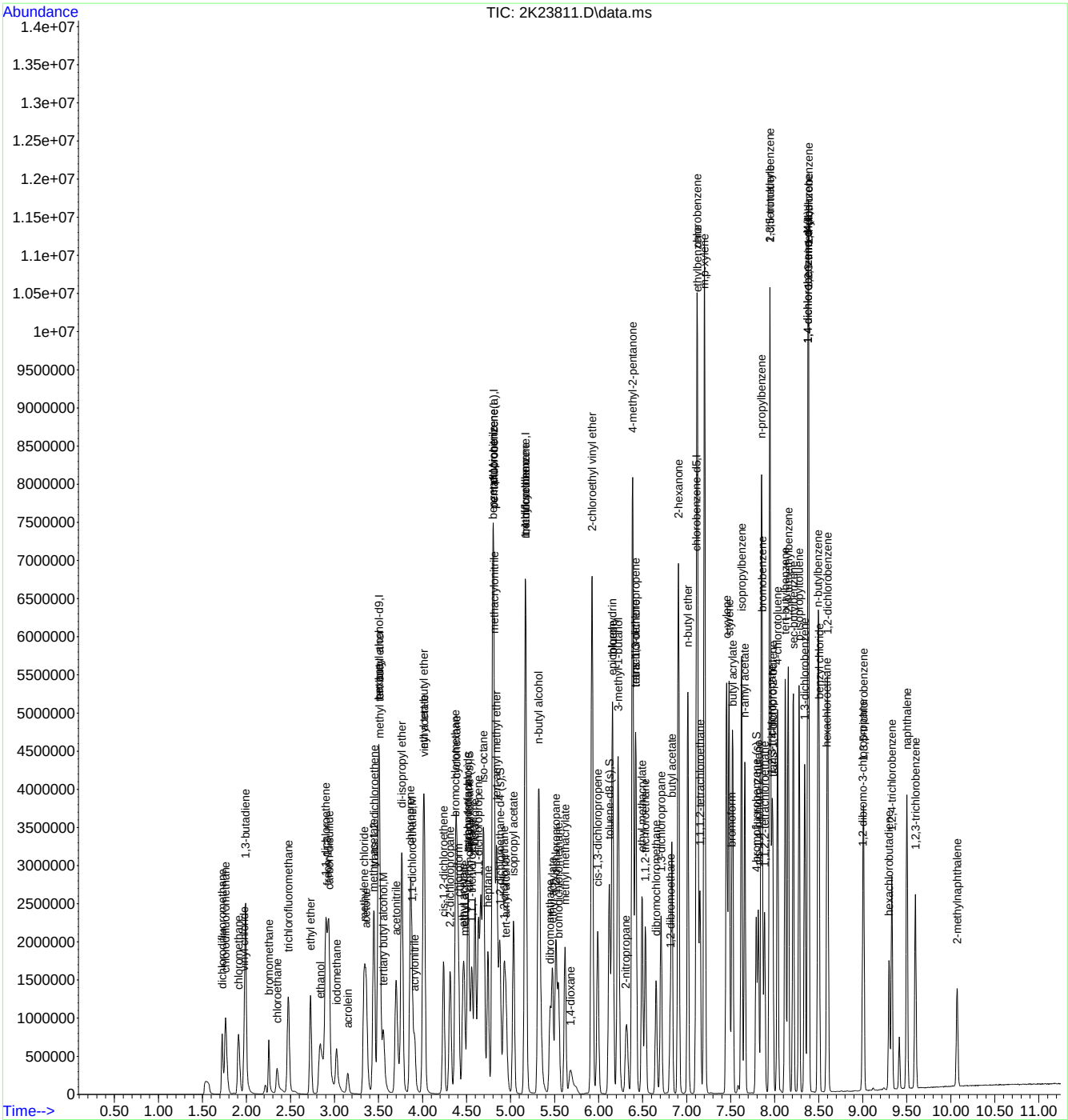
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
107) 1,2,4-trimethylbenzene	8.155	105	2192998	104.2216 ug/L	99
108) sec-butylbenzene	8.212	105	2543621	106.3906 ug/L	99
109) 1,3-dichlorobenzene	8.341	146	1272157	100.7317 ug/L	98
110) p-isopropyltoluene	8.277	119	2142183	102.0062 ug/L	98
111) 1,4-dichlorobenzene	8.386	146	1264366	100.3855 ug/L	98
112) 1,2-dichlorobenzene	8.602	146	1205730	100.2508 ug/L	99
113) 1,2,3-trimethylbenzene	8.383	105	2222565	100.4656 ug/L	97
114) n-butylbenzene	8.492	92	1087549	104.6722 ug/L	98
115) 1,2-dibromo-3-chloropr...	9.000	157	274729	99.9635 ug/L	98
116) 1,3,5-trichlorobenzene	9.010	180	691441	99.9276 ug/L	99
117) 1,2,4-trichlorobenzene	9.331	180	623608	103.2470 ug/L	99
118) hexachlorobutadiene	9.299	225	226100	101.2537 ug/L	94
119) naphthalene	9.502	128	2132362	98.3438 ug/L	99
120) 1,2,3-trichlorobenzene	9.598	180	578943	100.4025 ug/L	93
121) hexachloroethane	8.592	119	373644	97.1004 ug/L	97
122) benzyl chloride	8.505	126	391717	97.8122 ug/L	97
123) 2-methylnaphthalene	10.071	142	513804	47.0670 ug/L	97

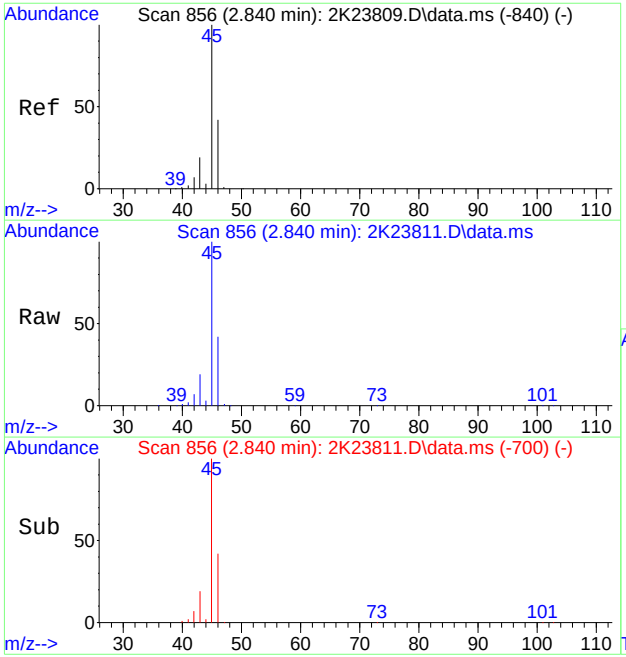
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 2K23811.D
Acq On : 6 Sep 2025 1:57 am
Operator : PrashanS
Sample : IC658-100
Misc : MS95614,V2K658,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 08 13:02:33 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 13:00:48 2025
Response via : Initial Calibration

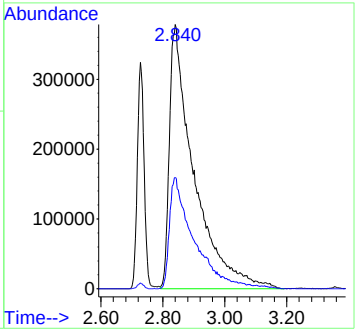


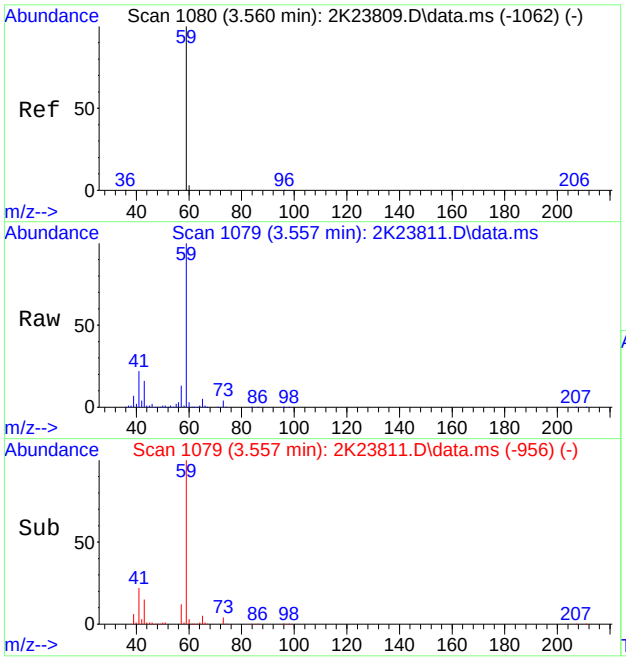


#2
ethanol
Concen: 9087.77 ug/L
RT: 2.840 min Scan# 856
Delta R.T. 0.000 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 45 Resp: 2081332

Ion	Ratio	Lower	Upper
45	100		
46	42.1	21.3	61.3

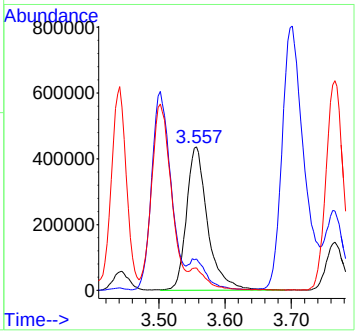


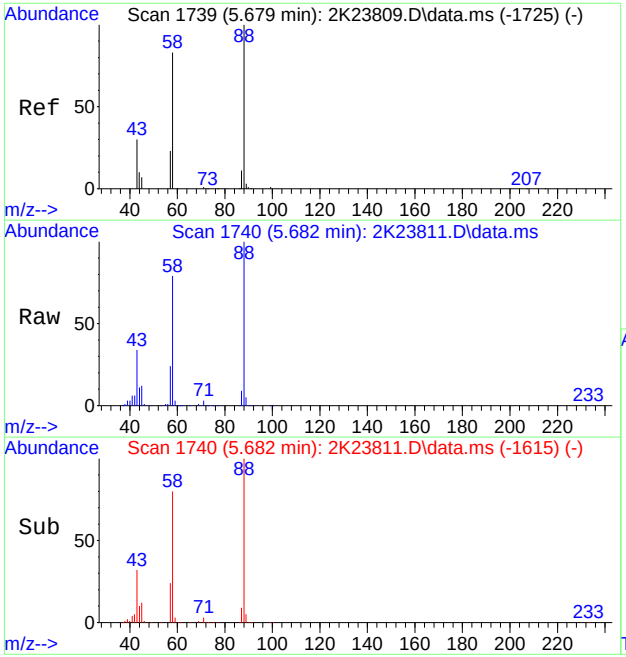


#3
tertiary butyl alcohol
Concen: 475.87 ug/L
RT: 3.557 min Scan# 1079
Delta R.T. -0.003 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 59 Resp: 965291

Ion	Ratio	Lower	Upper
59	100		
41	0.0	0.0	30.0
43	15.3	0.0	45.5

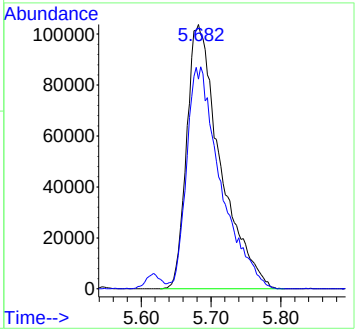


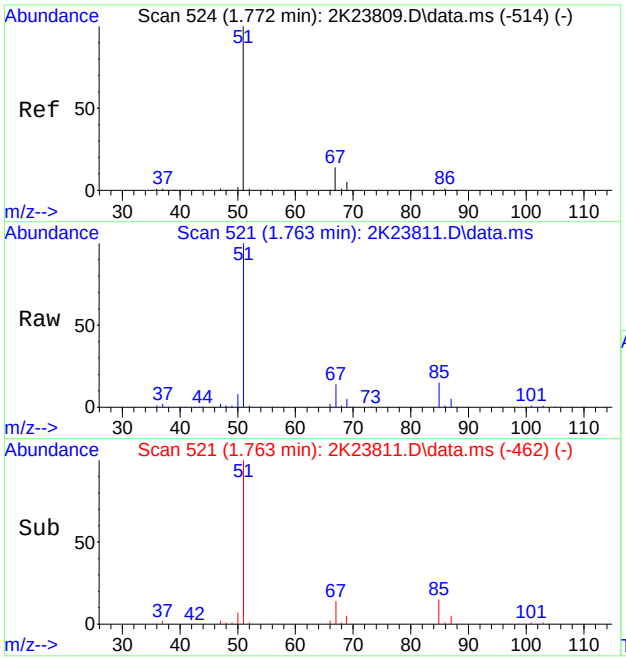


#4
1,4-dioxane
Concen: 2375.47 ug/L
RT: 5.682 min Scan# 1740
Delta R.T. 0.003 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 88 Resp: 348028

Ion	Ratio	Lower	Upper
88	100		
58	79.3	64.5	104.5

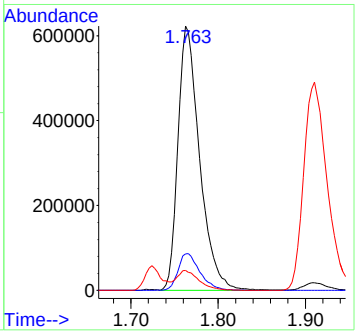


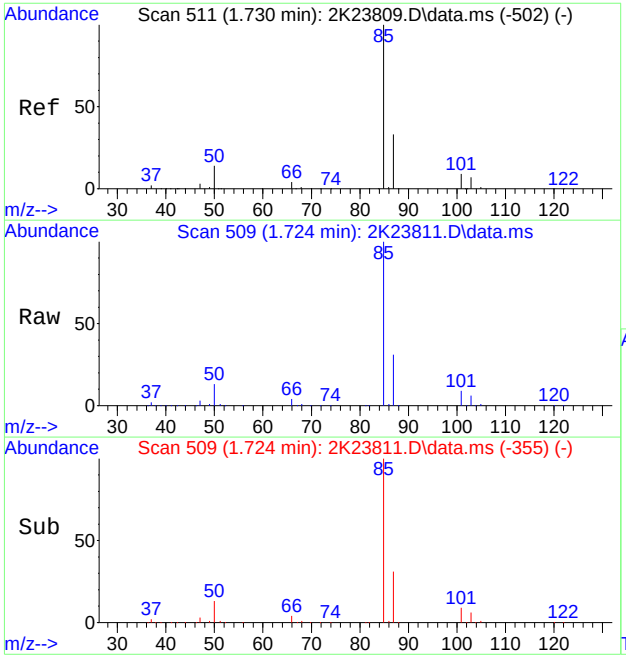


#6
chlorodifluoromethane
Concen: 94.34 ug/L
RT: 1.763 min Scan# 521
Delta R.T. -0.010 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 51 Resp: 1072916

Ion	Ratio	Lower	Upper
51	100		
67	13.8	0.0	44.0
50	7.4	0.0	37.4

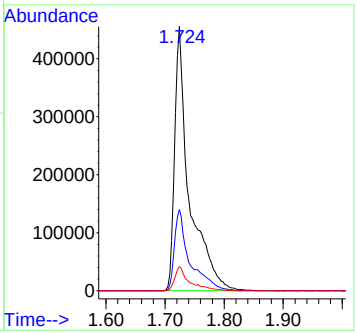


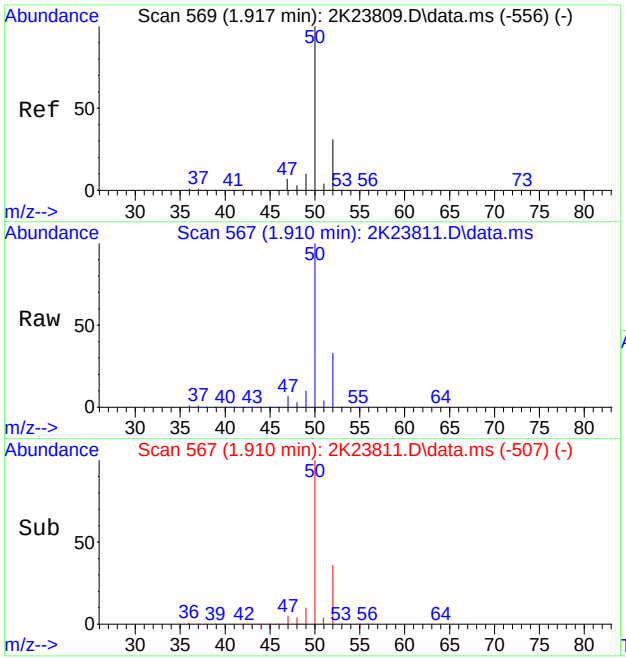


#7
dichlorodifluoromethane
Concen: 94.94 ug/L
RT: 1.724 min Scan# 509
Delta R.T. -0.006 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 85 Resp: 787299

Ion	Ratio	Lower	Upper
85	100		
87	30.8	3.4	63.4
101	9.1	0.0	39.0

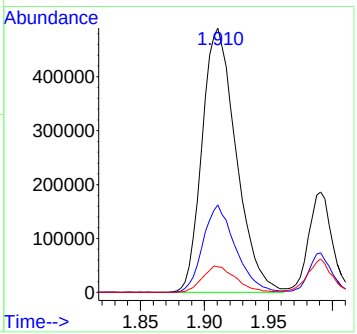


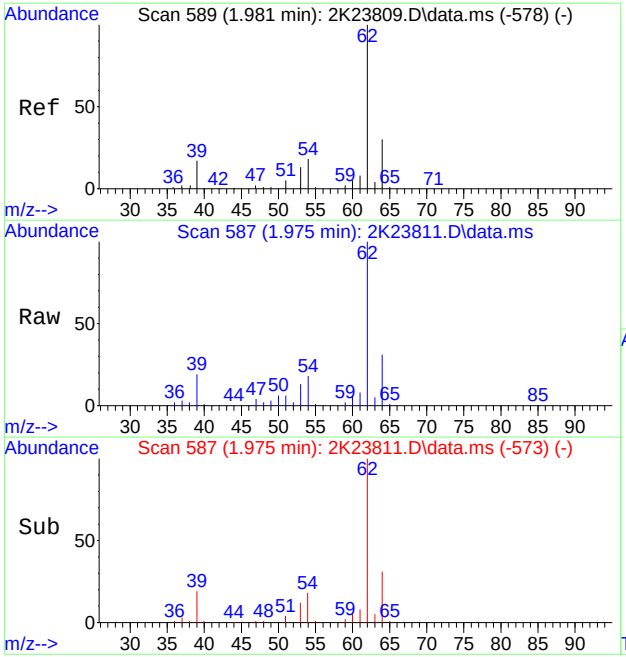


#8
chloromethane
Concen: 94.02 ug/L
RT: 1.910 min Scan# 567
Delta R.T. -0.006 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 50 Resp: 909472

Ion	Ratio	Lower	Upper
50	100		
52	33.1	0.8	60.8
49	9.7	0.0	40.1

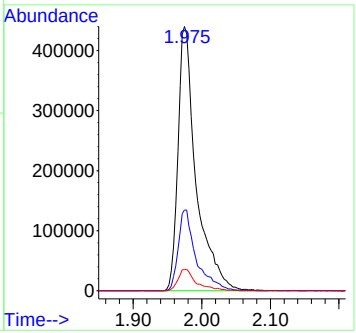


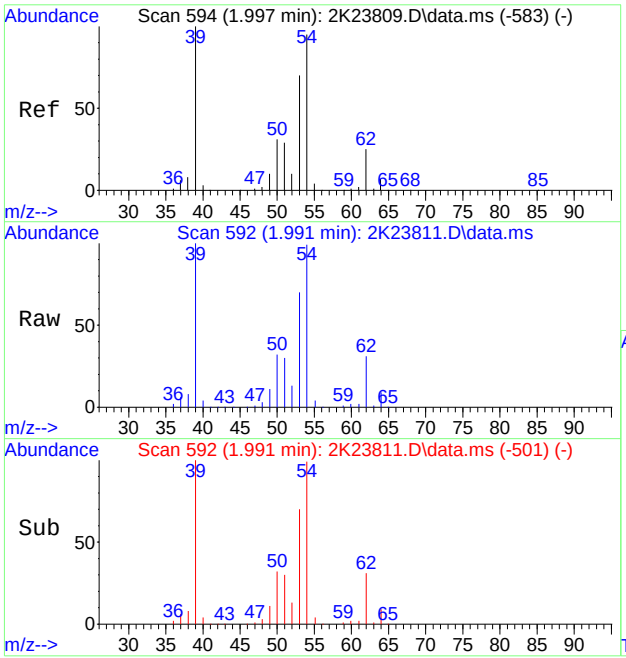


#9
vinyl chloride
Concen: 102.95 ug/L
RT: 1.975 min Scan# 587
Delta R.T. -0.006 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 62 Resp: 812971

Ion	Ratio	Lower	Upper
62	100		
64	30.6	0.0	60.0
61	7.9	0.0	37.6

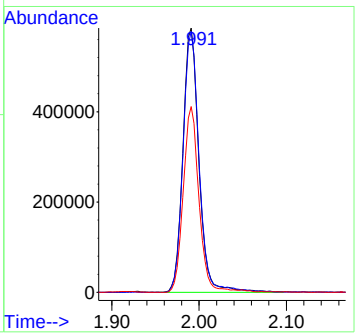


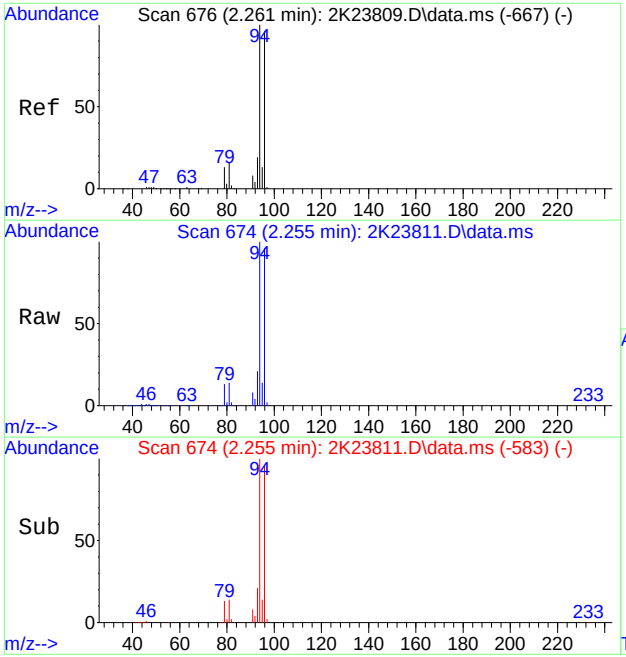


#10
1,3-butadiene
Concen: 92.82 ug/L
RT: 1.991 min Scan# 592
Delta R.T. -0.006 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 39 Resp: 746912

Ion	Ratio	Lower	Upper
39	100		
54	98.7	65.4	125.4
53	70.2	40.3	100.3

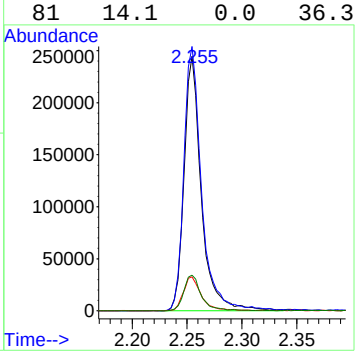


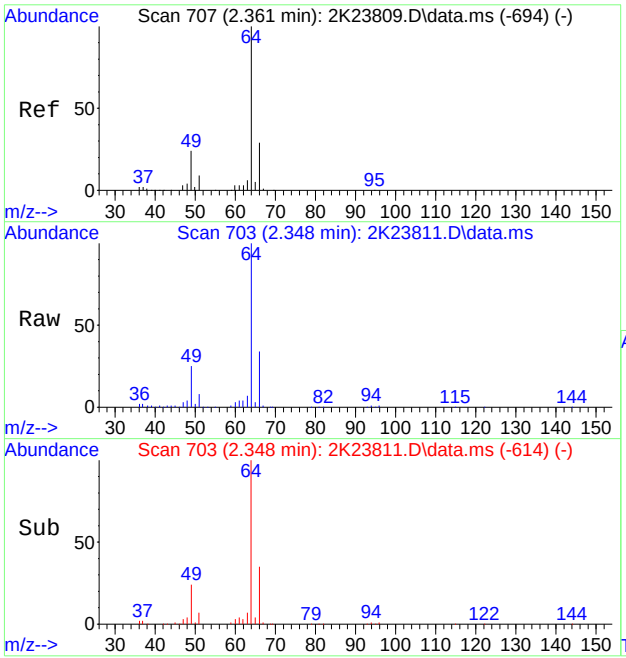


#11
bromomethane
Concen: 107.86 ug/L
RT: 2.255 min Scan# 674
Delta R.T. -0.006 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 96 Resp: 268360

Ion	Ratio	Lower	Upper
96	100		
94	104.0	74.5	134.5
79	13.2	13.7	13.7#
81	14.1	0.0	36.3

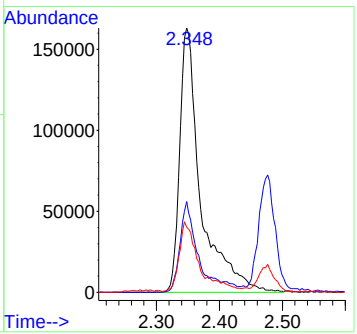


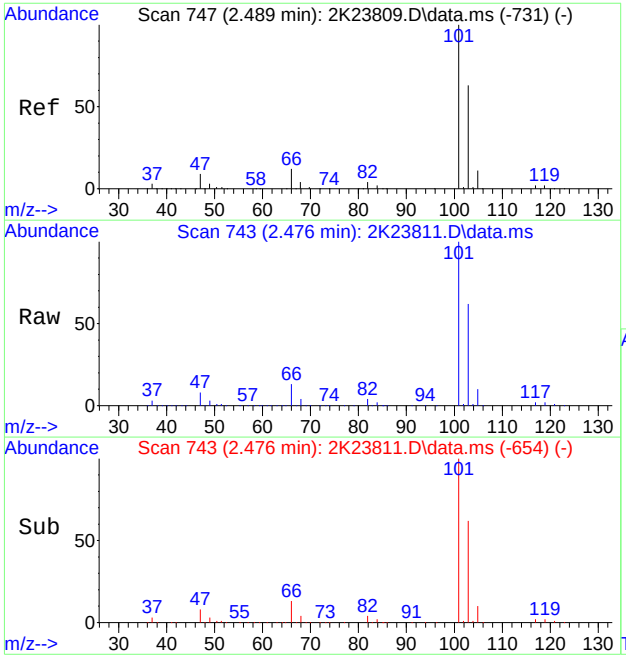


#12
chloroethane
Concen: 92.83 ug/L
RT: 2.348 min Scan# 703
Delta R.T. -0.013 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 64 Resp: 379867

Ion	Ratio	Lower	Upper
64	100		
66	34.3	0.0	59.3
49	24.0	0.0	54.3

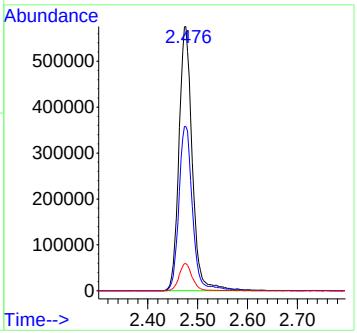


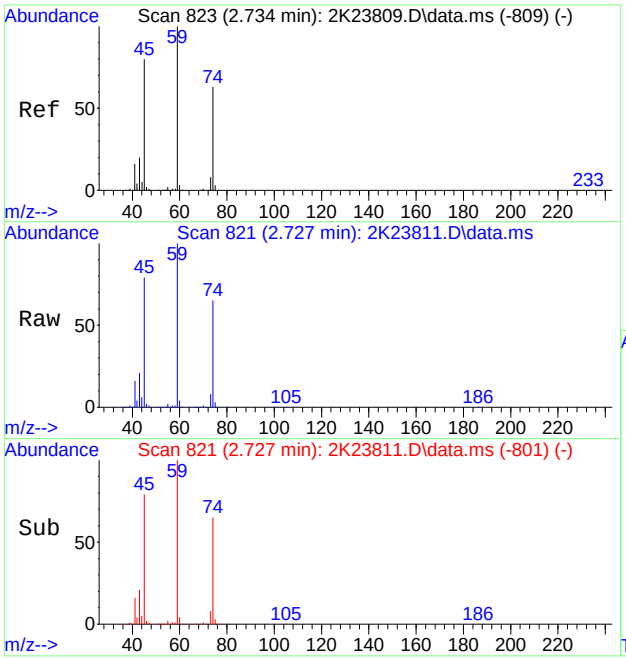


#13
trichlorofluoromethane
Concen: 98.19 ug/L
RT: 2.476 min Scan# 743
Delta R.T. -0.013 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion:101 Resp: 1072268

Ion	Ratio	Lower	Upper
101	100		
103	62.1	33.3	93.3
105	10.3	0.0	40.7

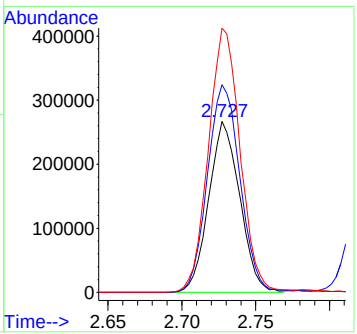


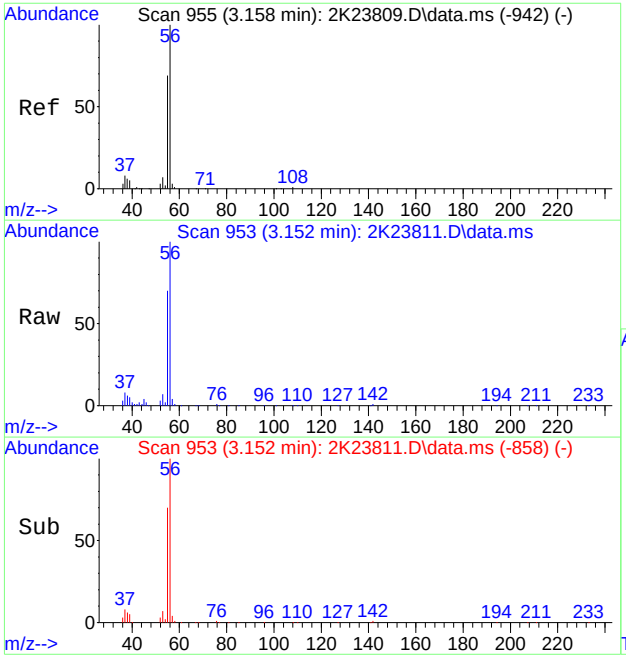


#14
ethyl ether
Concen: 99.63 ug/L
RT: 2.727 min Scan# 821
Delta R.T. -0.006 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 74 Resp: 388852

Ion	Ratio	Lower	Upper
74	100		
45	121.5	96.7	156.7
59	154.7	128.9	188.9

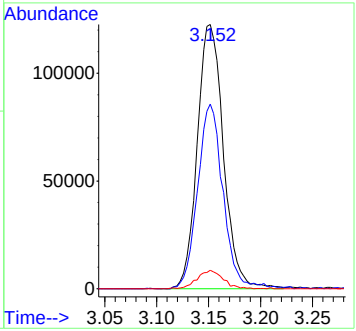


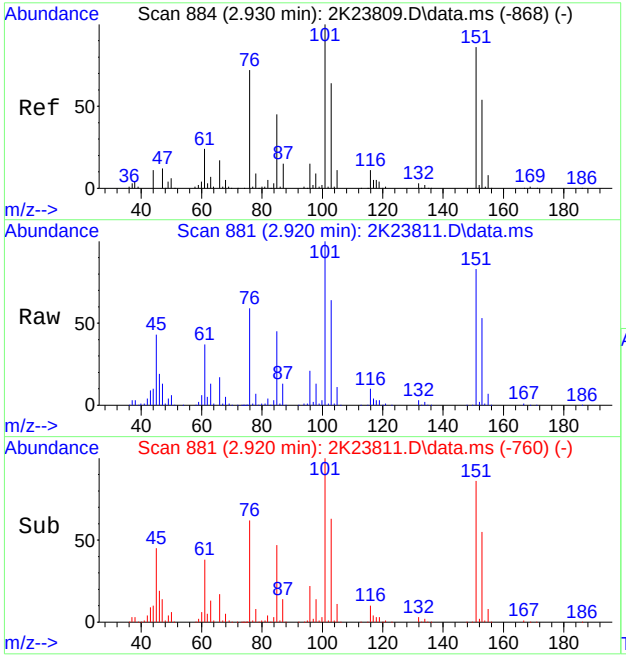


#15
acrolein
Concen: 103.59 ug/L
RT: 3.152 min Scan# 953
Delta R.T. -0.006 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 56 Resp: 215757

Ion	Ratio	Lower	Upper
56	100		
55	69.8	38.7	98.7
53	7.0	0.0	37.4

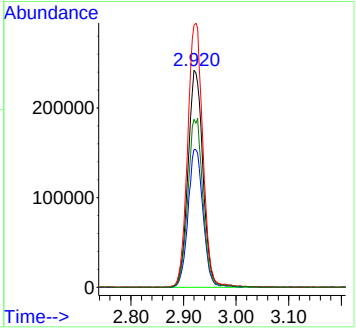


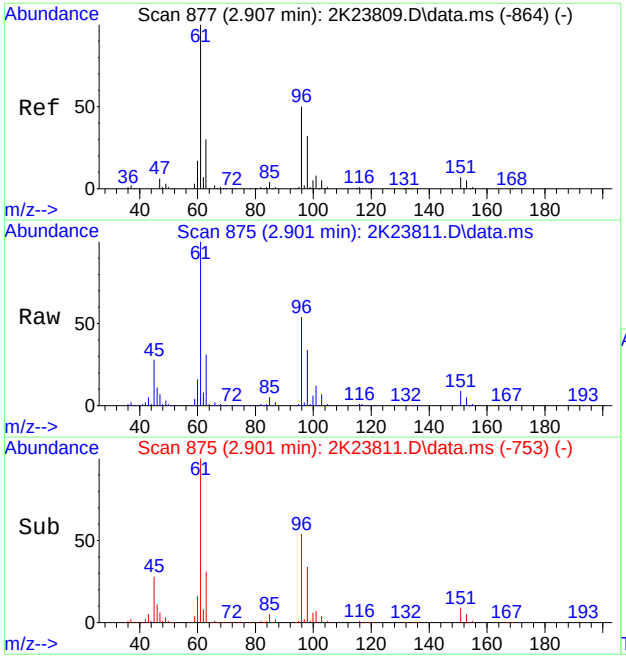


#16
freon 113
Concen: 98.09 ug/L
RT: 2.920 min Scan# 881
Delta R.T. -0.010 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion:151 Resp: 476015

Ion	Ratio	Lower	Upper
151	100		
153	63.5	43.0	83.0
101	120.6	95.9	135.9
103	77.2	54.3	94.3

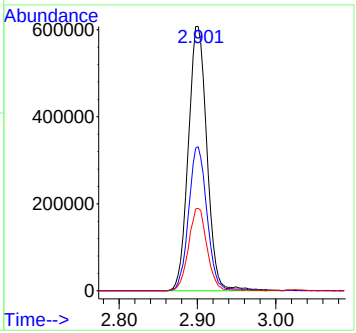


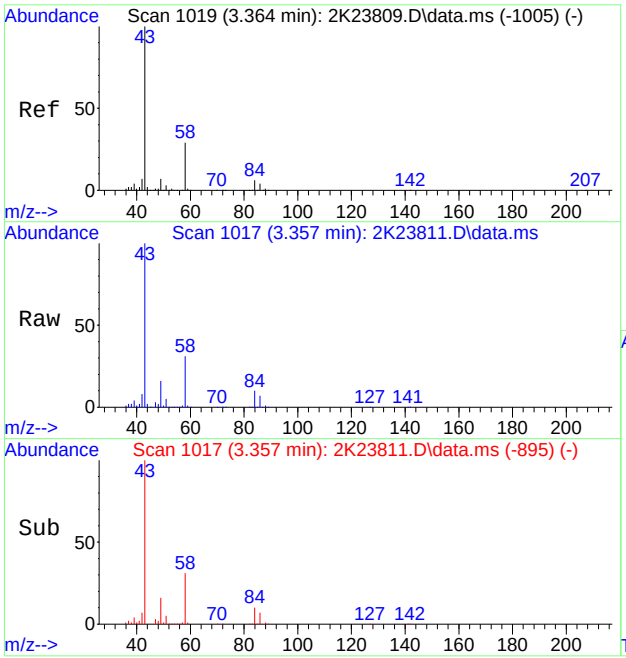


#17
1,1-dichloroethene
Concen: 98.40 ug/L
RT: 2.901 min Scan# 875
Delta R.T. -0.006 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 61 Resp: 1003792

Ion	Ratio	Lower	Upper
61	100		
96	54.5	19.8	79.8
63	31.2	0.4	60.4

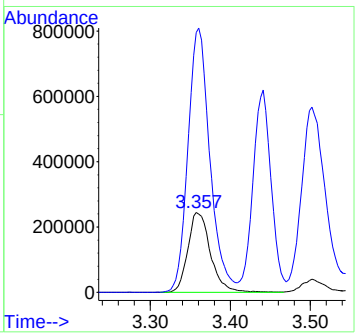


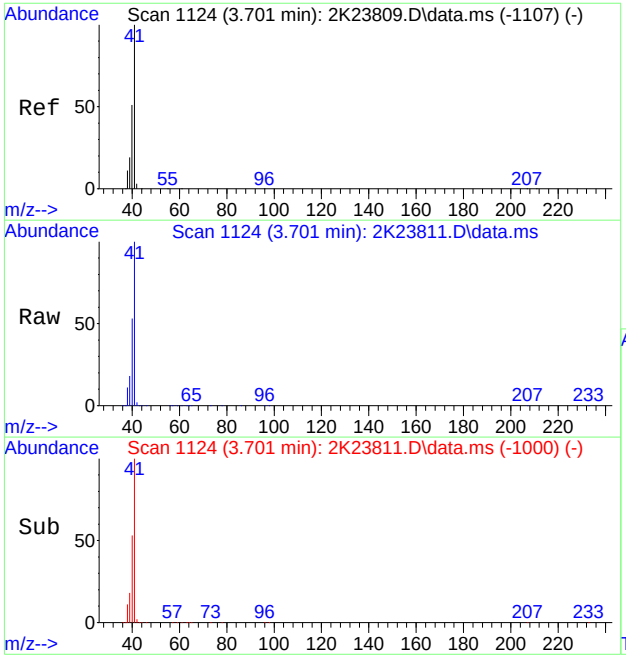


#18
acetone
Concen: 380.74 ug/L
RT: 3.357 min Scan# 1017
Delta R.T. -0.006 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 58 Resp: 482032

Ion	Ratio	Lower	Upper
58	100		
43	324.4	317.9	377.9

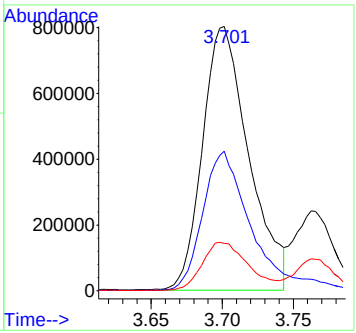


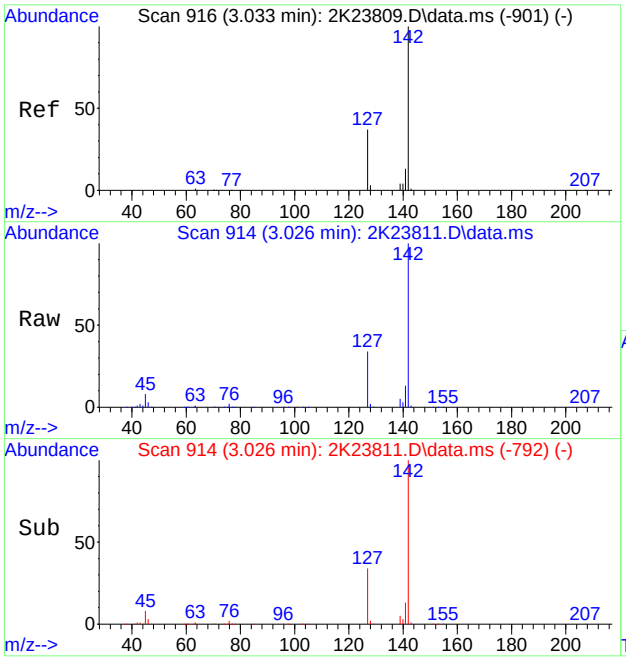


#19
acetonitrile
Concen: 942.95 ug/L
RT: 3.701 min Scan# 1124
Delta R.T. 0.000 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 41 Resp: 1817583

Ion	Ratio	Lower	Upper
41	100		
40	52.8	20.7	80.7
39	17.9	0.0	48.9

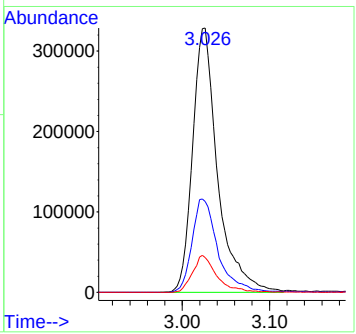


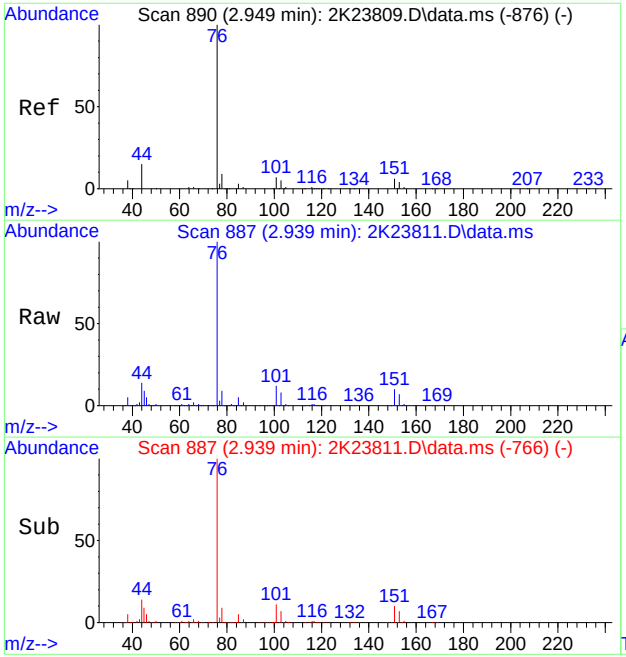


#20
iodomethane
Concen: 129.69 ug/L
RT: 3.026 min Scan# 914
Delta R.T. -0.006 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion:142 Resp: 658283

Ion	Ratio	Lower	Upper
142	100		
127	34.4	7.2	67.2
141	13.2	0.0	43.3

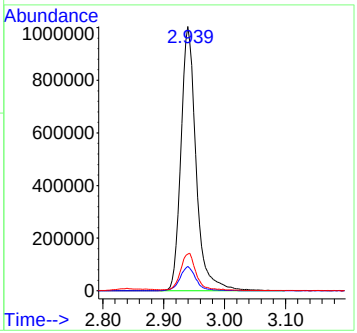


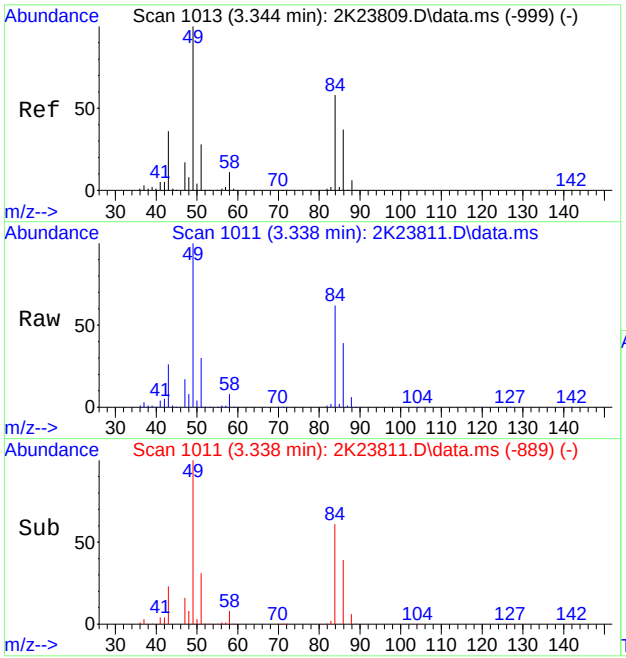


#21
carbon disulfide
Concen: 100.67 ug/L
RT: 2.939 min Scan# 887
Delta R.T. -0.010 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 76 Resp: 1736081

Ion	Ratio	Lower	Upper
76	100		
78	9.2	0.0	39.4
44	13.8	0.0	44.9

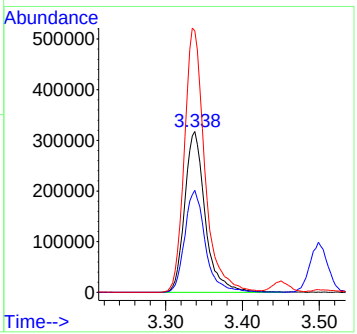


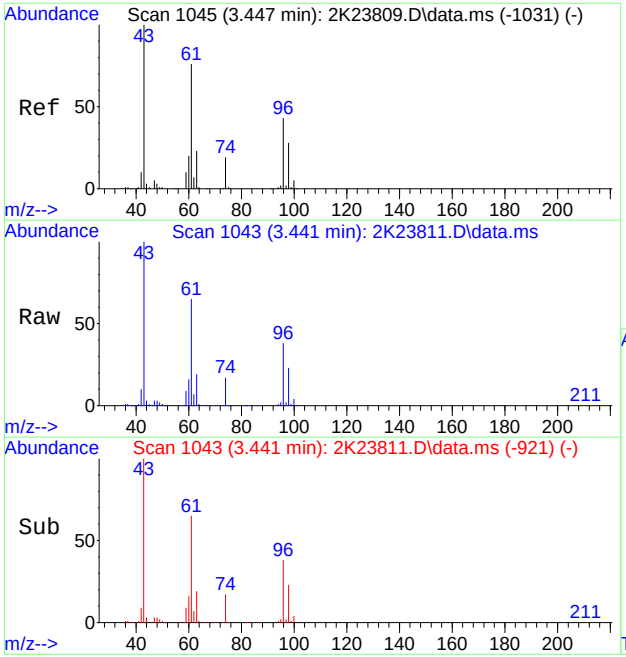


#22
methylene chloride
Concen: 98.29 ug/L
RT: 3.338 min Scan# 1011
Delta R.T. -0.006 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 84 Resp: 589411

Ion	Ratio	Lower	Upper
84	100		
86	63.5	33.4	93.4
49	162.6	141.9	201.9

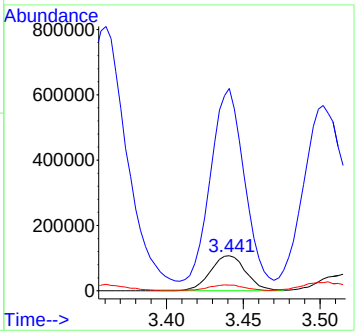


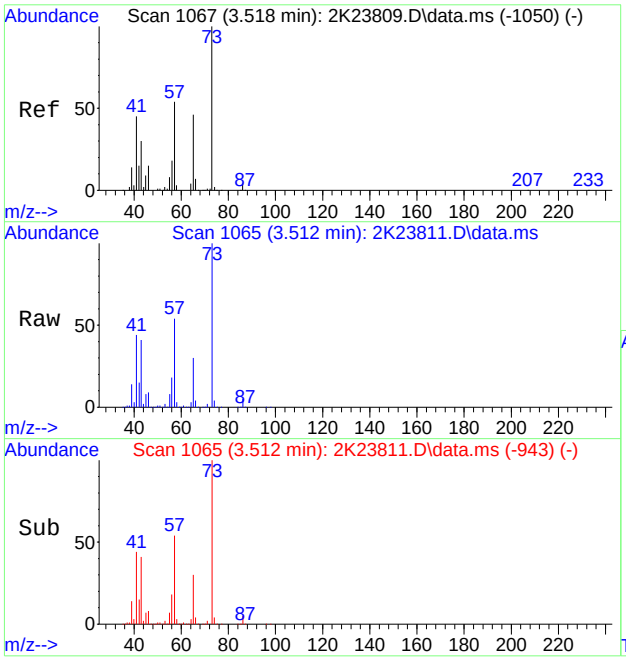


#23
methyl acetate
Concen: 101.64 ug/L
RT: 3.441 min Scan# 1043
Delta R.T. -0.006 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 74 Resp: 173584

Ion	Ratio	Lower	Upper
74	100		
43	521.0	492.7	552.7
44	14.0	0.0	46.4

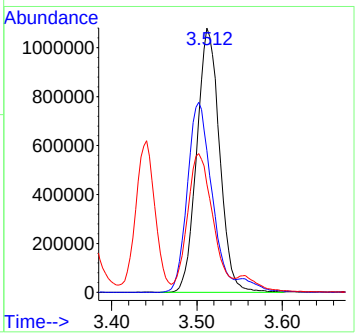


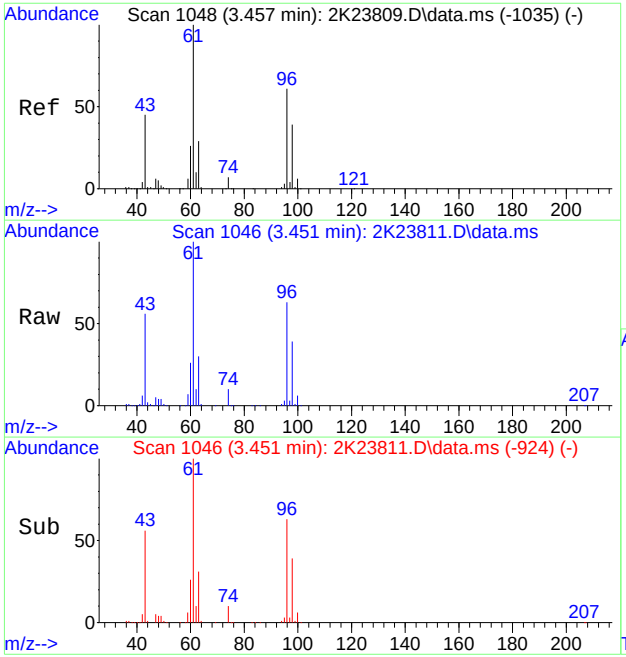


#24
methyl tert butyl ether
Concen: 96.22 ug/L
RT: 3.512 min Scan# 1065
Delta R.T. -0.006 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 73 Resp: 2004193

Ion	Ratio	Lower	Upper
73	100		
57	53.6	23.8	83.8
43	40.3	11.7	71.7

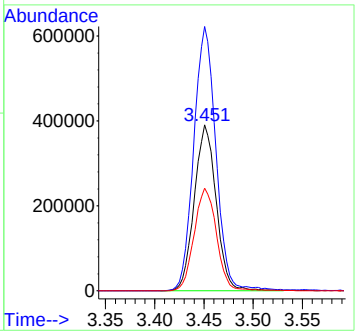


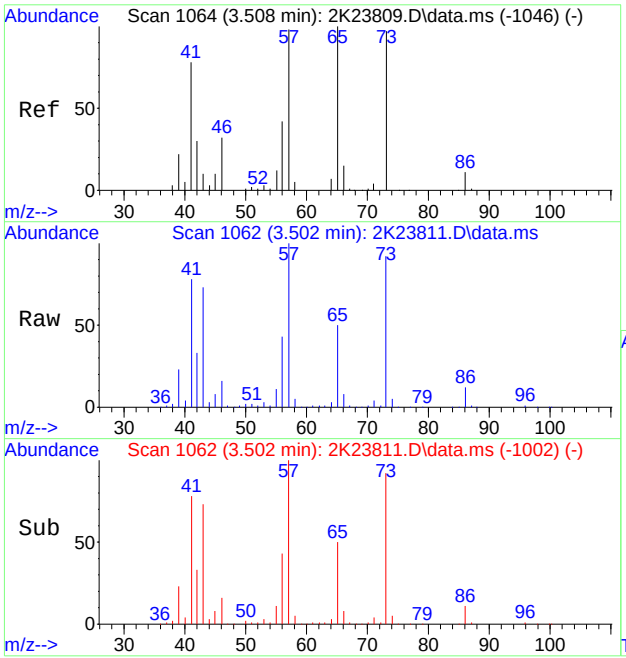


#25
trans-1,2-dichloroethene
Concen: 100.41 ug/L
RT: 3.451 min Scan# 1046
Delta R.T. -0.006 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 96 Resp: 605538

Ion	Ratio	Lower	Upper
96	100		
61	159.2	132.8	192.8
98	61.8	34.2	94.2

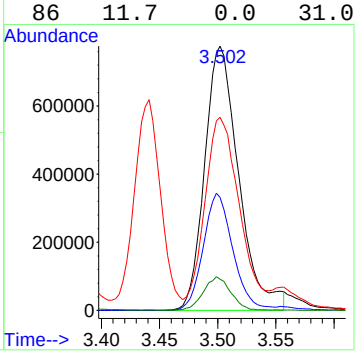


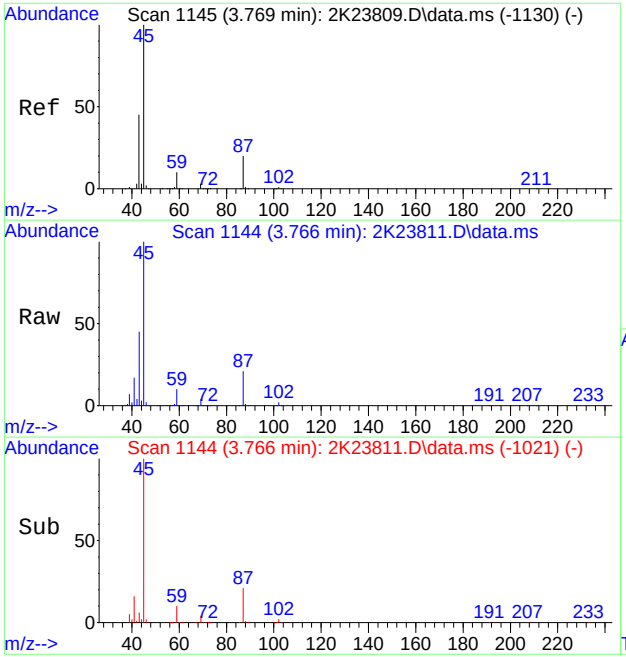


#26
hexane
Concen: 97.61 ug/L
RT: 3.502 min Scan# 1062
Delta R.T. -0.006 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 57 Resp: 1582615

Ion	Ratio	Lower	Upper
57	100		
56	42.7	22.5	62.5
43	64.2	45.1	85.1
86	11.7	0.0	31.0

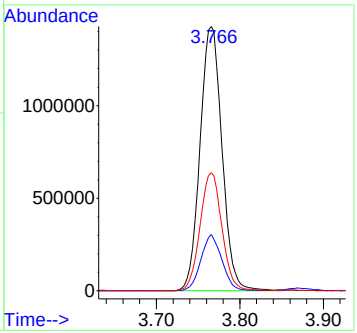


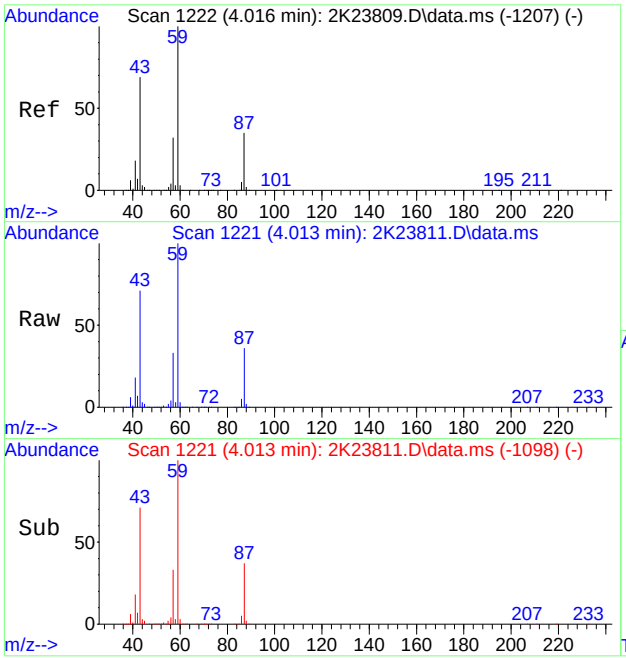


#27
di-isopropyl ether
Concen: 97.72 ug/L
RT: 3.766 min Scan# 1144
Delta R.T. -0.003 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 45 Resp: 2613967

Ion	Ratio	Lower	Upper
45	100		
87	21.3	0.0	49.8
43	44.5	15.4	75.4

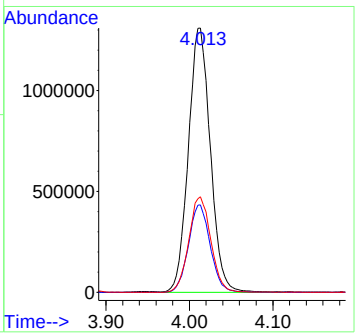


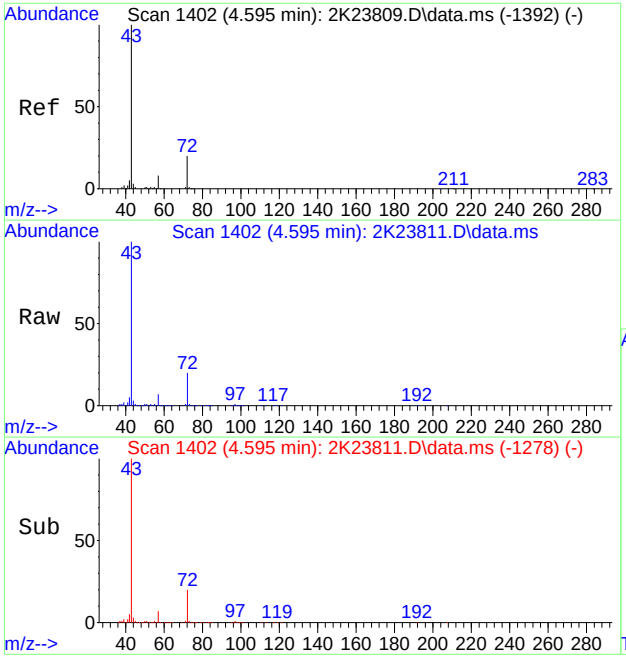


#28
ethyl tert-butyl ether
Concen: 101.00 ug/L
RT: 4.013 min Scan# 1221
Delta R.T. -0.003 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 59 Resp: 2398731

Ion	Ratio	Lower	Upper
59	100		
57	33.1	1.6	61.6
87	36.2	5.2	65.2

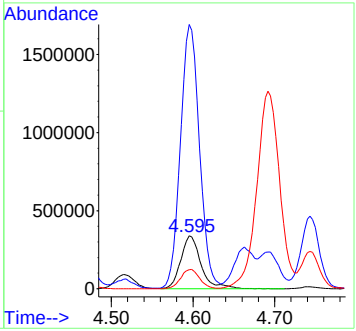


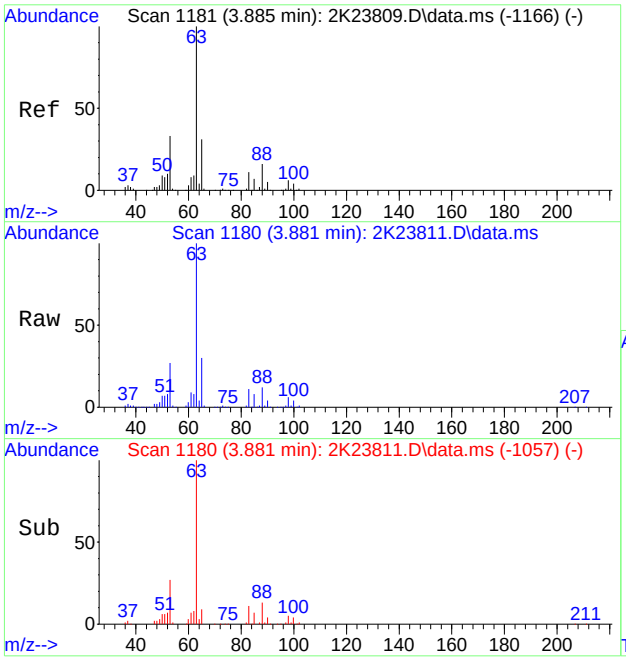


#29
2-butanone
Concen: 442.86 ug/L
RT: 4.595 min Scan# 1402
Delta R.T. 0.000 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 72 Resp: 585449

Ion	Ratio	Lower	Upper
72	100		
43	498.4	461.8	521.8
57	35.9	7.0	67.0

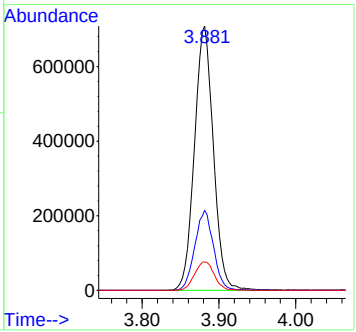


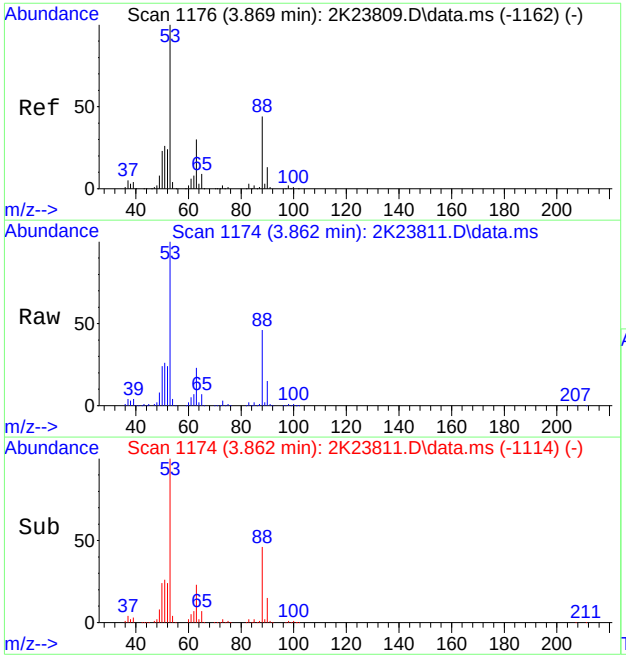


#30
1,1-dichloroethane
Concen: 98.20 ug/L
RT: 3.881 min Scan# 1180
Delta R.T. -0.003 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 63 Resp: 1216716

Ion	Ratio	Lower	Upper
63	100		
65	30.4	0.5	60.5
83	10.8	0.0	41.0

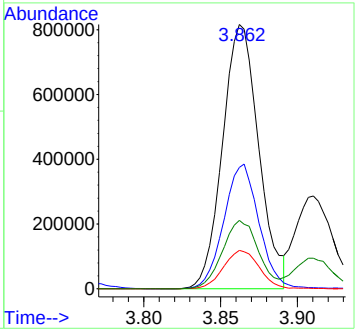


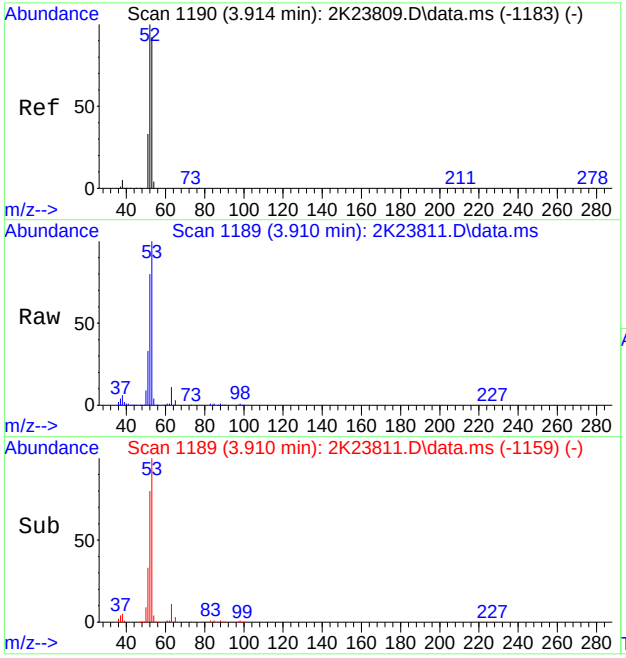


#31
chloroprene
Concen: 100.15 ug/L
RT: 3.862 min Scan# 1174
Delta R.T. -0.006 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 53 Resp: 1339675

Ion	Ratio	Lower	Upper
53	100		
88	45.9	14.2	74.2
90	14.6	0.0	42.9
51	25.9	0.0	55.9

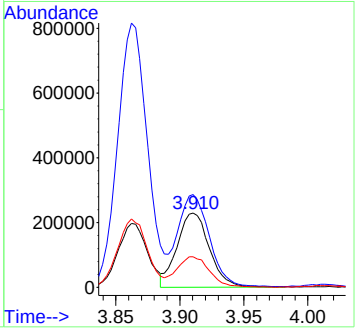


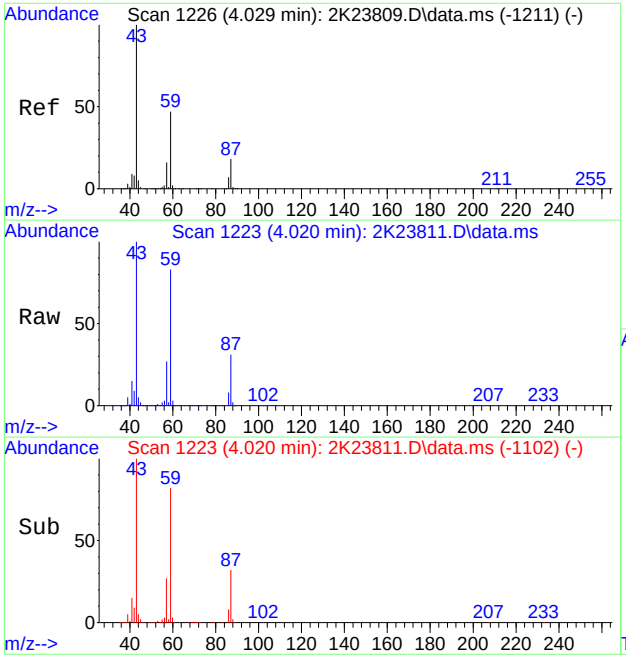


#32
acrylonitrile
Concen: 101.93 ug/L
RT: 3.910 min Scan# 1189
Delta R.T. -0.003 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 52 Resp: 400547

Ion	Ratio	Lower	Upper
52	100		
53	124.6	92.5	152.5
51	41.3	9.1	69.1

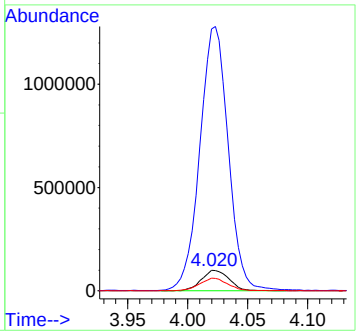


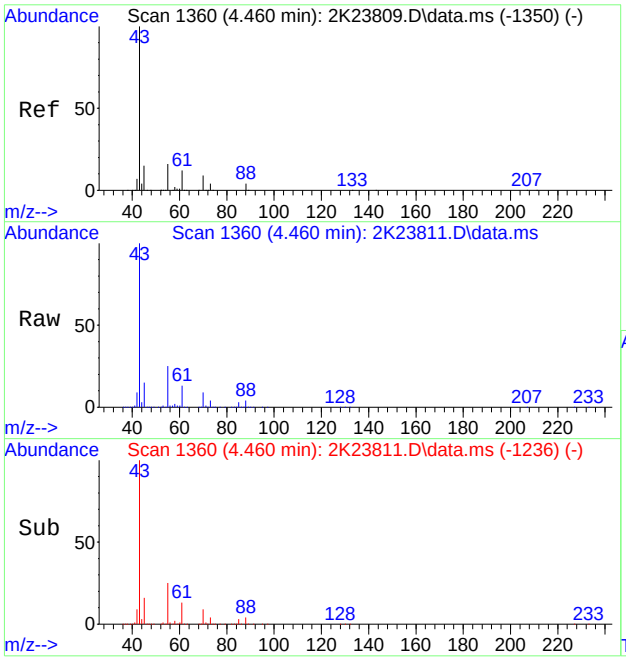


#33
vinyl acetate
Concen: 95.68 ug/L
RT: 4.020 min Scan# 1223
Delta R.T. -0.010 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 86 Resp: 159187

Ion	Ratio	Lower	Upper
86	100		
43	1280.4	1321.8	1381.8#
44	60.6	32.5	92.5

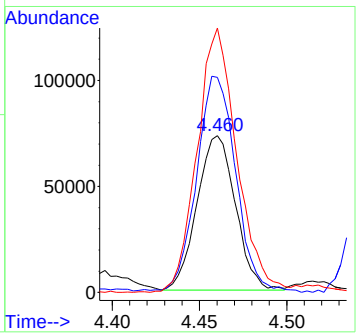


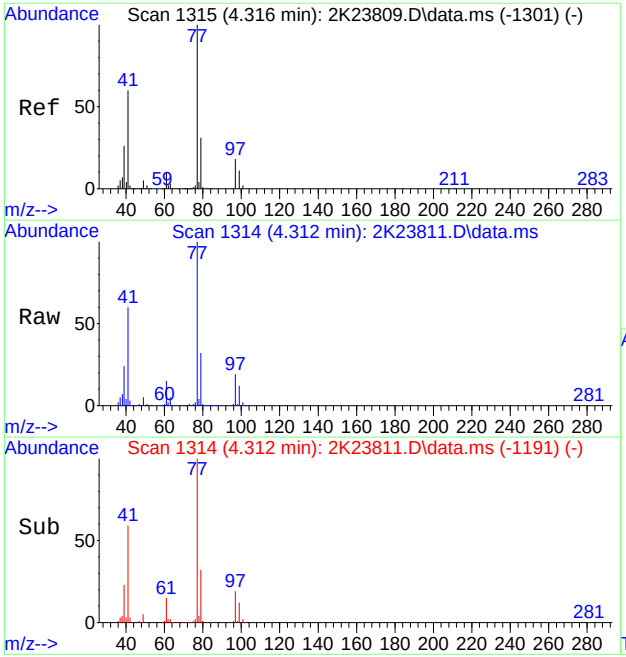


#34
ethyl acetate
Concen: 99.75 ug/L
RT: 4.460 min Scan# 1360
Delta R.T. 0.000 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 70 Resp: 111729

Ion	Ratio	Lower	Upper
70	100		
61	137.8	105.6	165.6
45	170.6	135.3	195.3

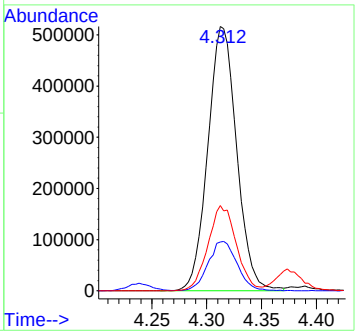


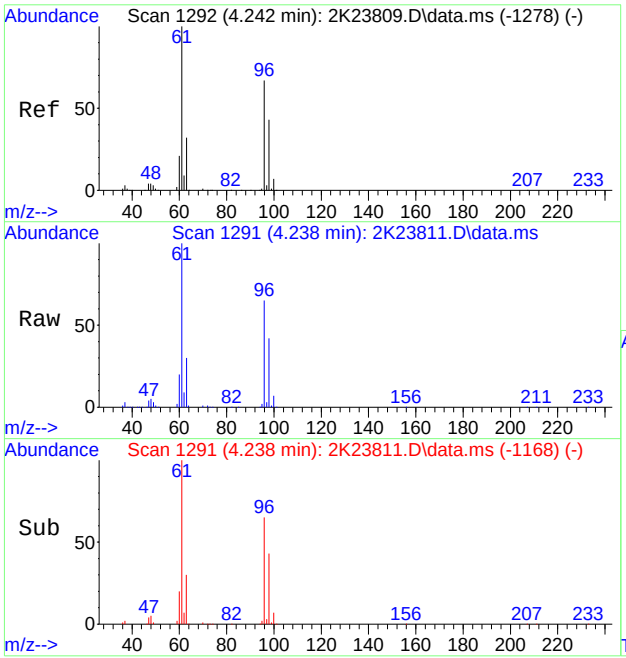


#35
2,2-dichloropropane
Concen: 94.82 ug/L
RT: 4.312 min Scan# 1314
Delta R.T. -0.003 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 77 Resp: 945111

Ion	Ratio	Lower	Upper
77	100		
97	18.4	0.0	47.7
79	32.2	0.6	60.6

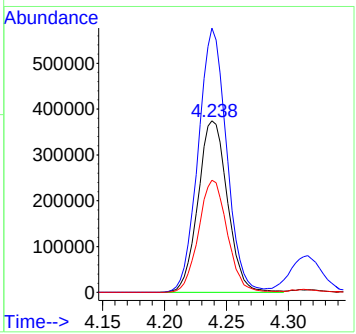


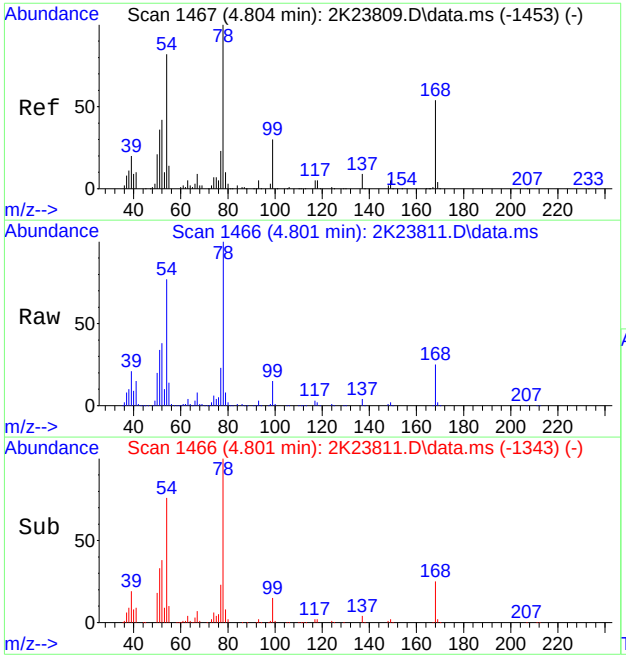


#36
cis-1,2-dichloroethene
Concen: 96.58 ug/L
RT: 4.238 min Scan# 1291
Delta R.T. -0.003 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 96 Resp: 619019

Ion	Ratio	Lower	Upper
96	100		
61	154.1	118.2	178.2
98	65.4	34.3	94.3

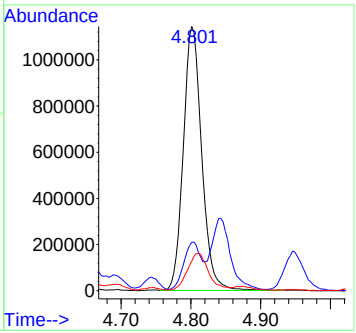


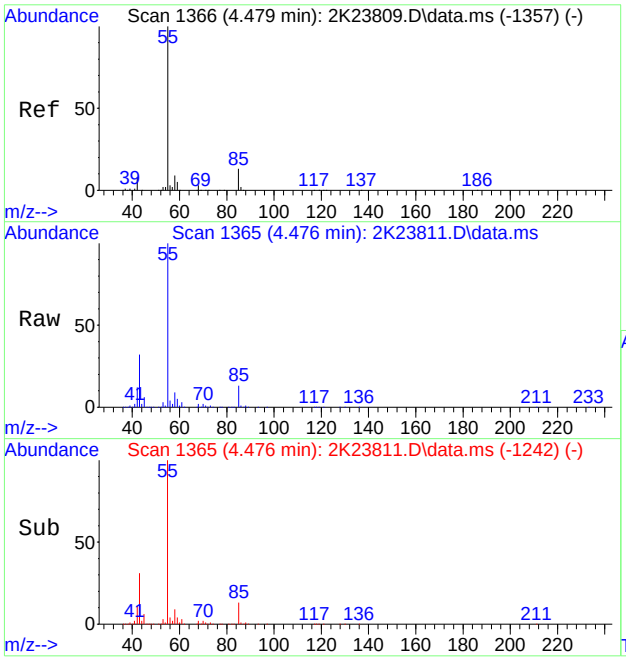


#37
propionitrile
Concen: 989.72 ug/L
RT: 4.801 min Scan# 1466
Delta R.T. -0.003 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 54 Resp: 2101495

Ion	Ratio	Lower	Upper
54	100		
55	15.9	0.0	48.6
40	10.8	0.0	41.7

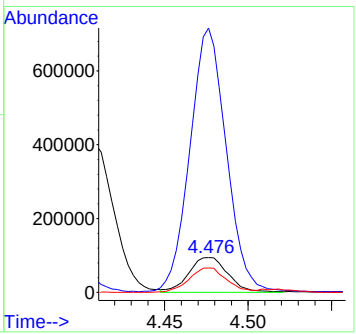


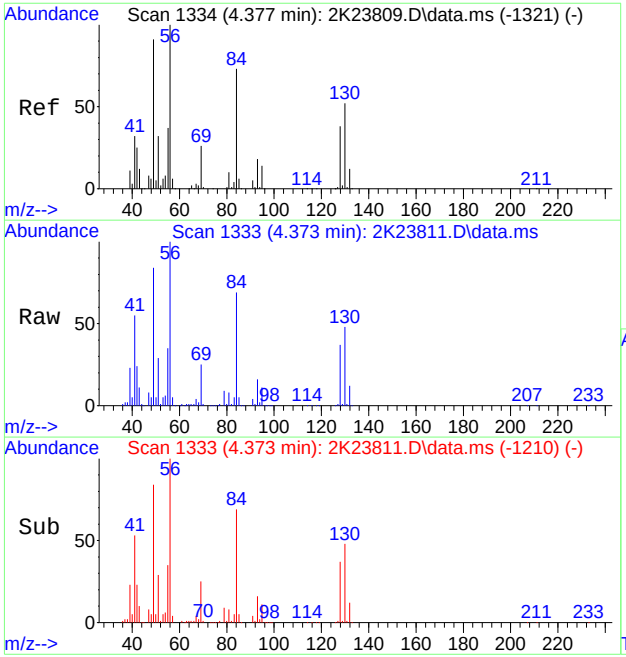


#38
methyl acrylate
Concen: 106.12 ug/L
RT: 4.476 min Scan# 1365
Delta R.T. -0.003 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 85 Resp: 154901

Ion	Ratio	Lower	Upper
85	100		
55	767.3	726.6	766.6#
58	70.2	49.4	89.4

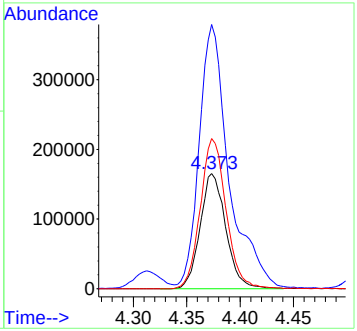


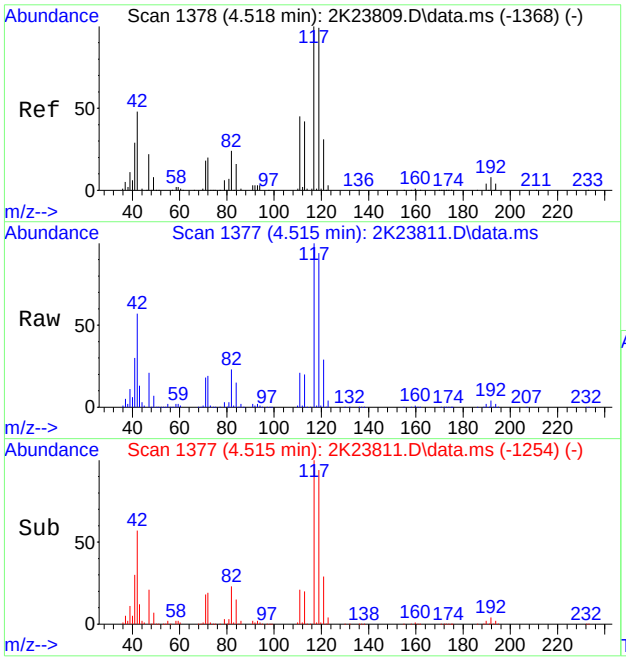


#39
bromochloromethane
Concen: 99.37 ug/L
RT: 4.373 min Scan# 1333
Delta R.T. -0.003 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion:128 Resp: 277550

Ion	Ratio	Lower	Upper
128	100		
49	227.4	213.9	273.9
130	130.4	107.4	167.4

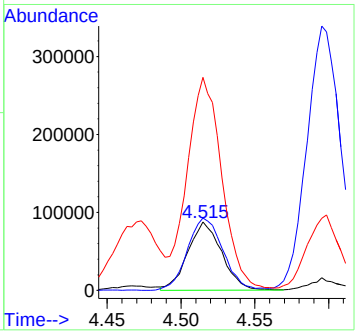


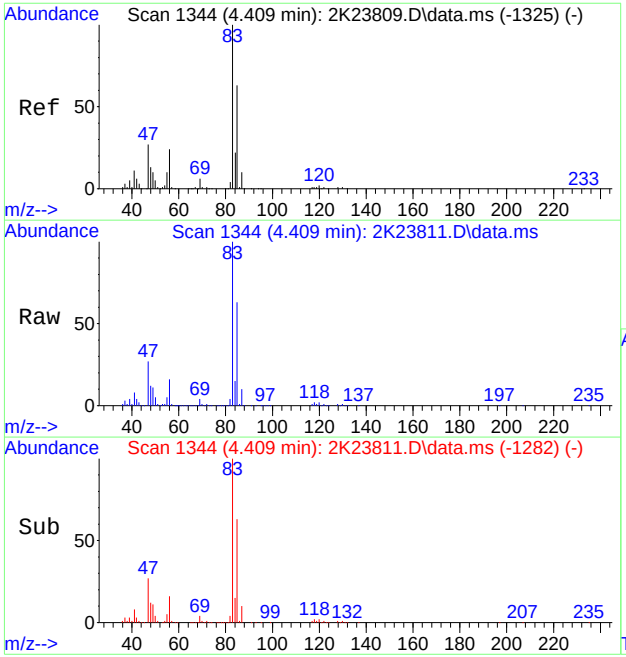


#40
tetrahydrofuran
Concen: 99.46 ug/L
RT: 4.515 min Scan# 1377
Delta R.T. -0.003 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 71 Resp: 139920

Ion	Ratio	Lower	Upper
71	100		
72	104.0	75.2	135.2
42	307.4	288.0	348.0

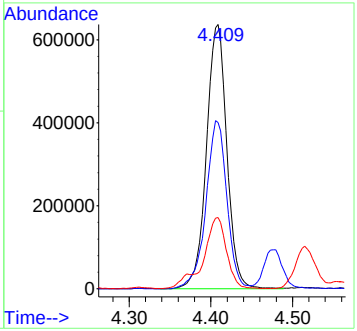


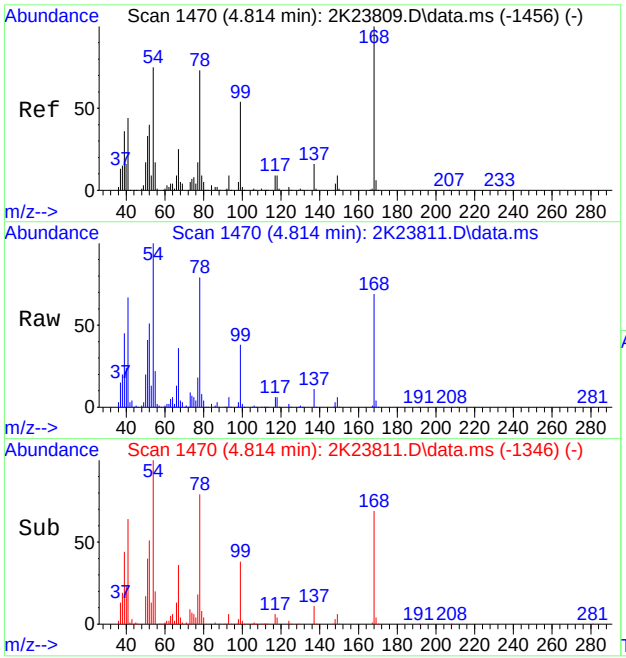


#41
chloroform
Concen: 93.28 ug/L
RT: 4.409 min Scan# 1344
Delta R.T. 0.000 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 83 Resp: 1105556

Ion	Ratio	Lower	Upper
83	100		
85	62.9	33.0	93.0
47	26.9	0.0	56.9

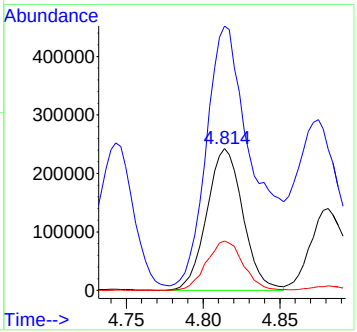


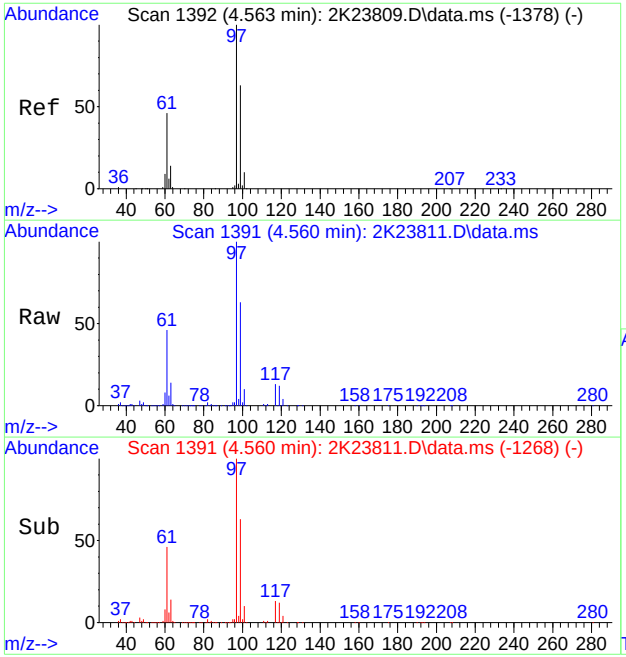


#43
methacrylonitrile
Concen: 92.67 ug/L
RT: 4.814 min Scan# 1470
Delta R.T. 0.000 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 67 Resp: 396908

Ion	Ratio	Lower	Upper
67	100		
41	182.0	145.5	205.5
66	34.9	4.7	64.7

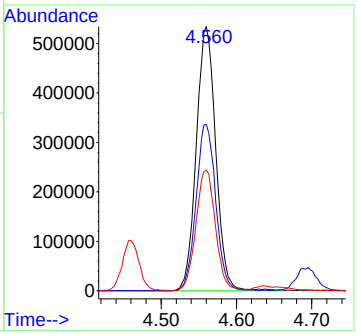


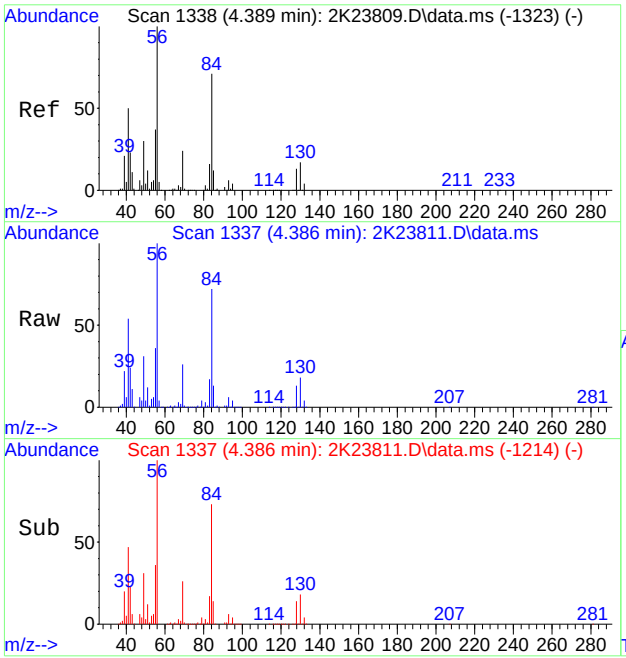


#44
1,1,1-trichloroethane
Concen: 95.95 ug/L
RT: 4.560 min Scan# 1391
Delta R.T. -0.003 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 97 Resp: 962145

Ion	Ratio	Lower	Upper
97	100		
99	62.9	32.8	92.8
61	45.4	16.5	76.5

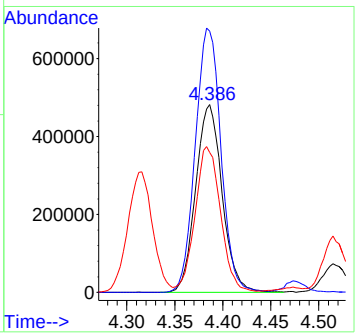


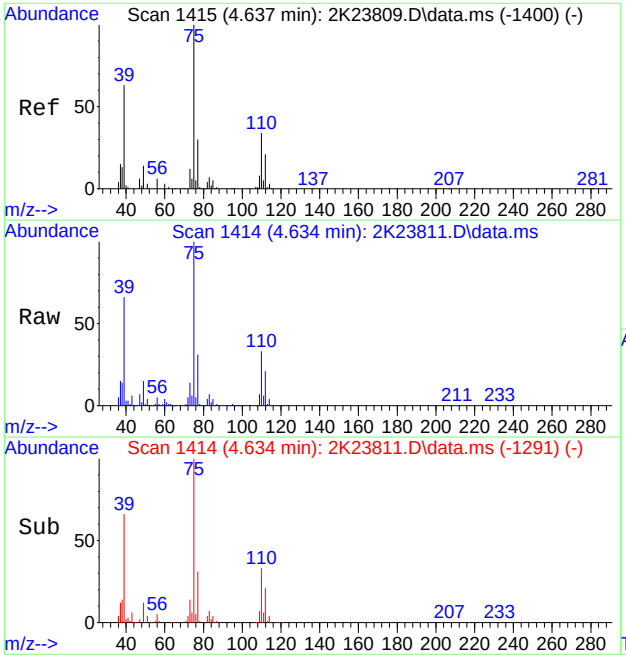


#45
cyclohexane
Concen: 104.89 ug/L
RT: 4.386 min Scan# 1337
Delta R.T. -0.003 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 84 Resp: 925952

Ion	Ratio	Lower	Upper
84	100		
56	139.1	120.0	160.0
41	72.5	58.4	98.4

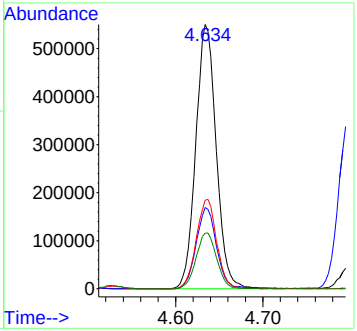


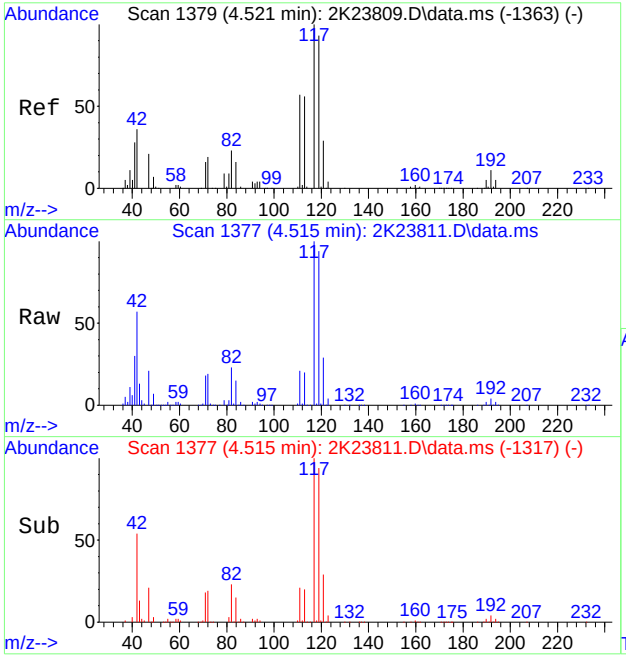


#46
1,1-dichloropropene
Concen: 104.23 ug/L
RT: 4.634 min Scan# 1414
Delta R.T. -0.003 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 75 Resp: 896699

Ion	Ratio	Lower	Upper
75	100		
77	30.7	10.5	50.5
110	33.5	14.4	54.4
112	21.1	0.7	40.7

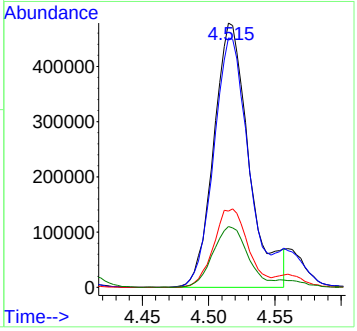


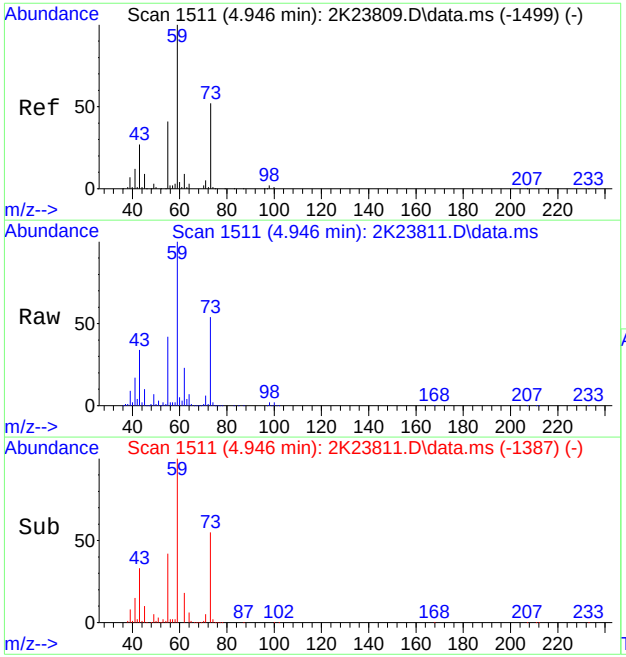


#47
carbon tetrachloride
Concen: 96.67 ug/L
RT: 4.515 min Scan# 1377
Delta R.T. -0.006 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion:117 Resp: 884546

Ion	Ratio	Lower	Upper
117	100		
119	94.3	72.9	112.9
121	28.9	9.2	49.2
82	23.0	2.9	42.9

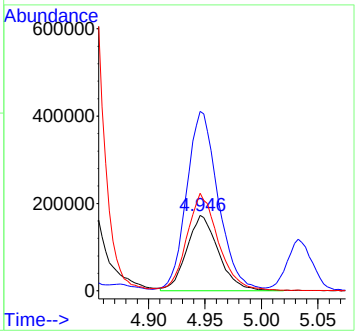


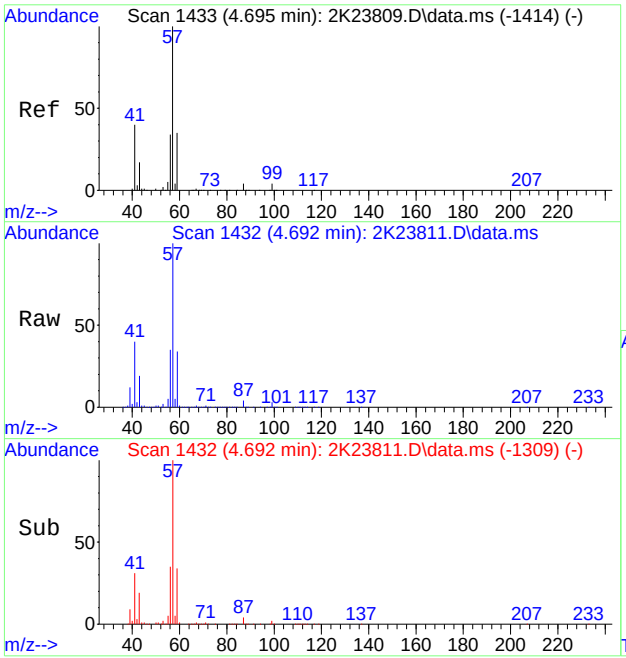


#49
tert-amyl alcohol
Concen: 489.67 ug/L
RT: 4.946 min Scan# 1511
Delta R.T. 0.000 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 55 Resp: 335813

Ion	Ratio	Lower	Upper
55	100		
59	236.1	218.4	258.4
73	129.3	106.6	146.6

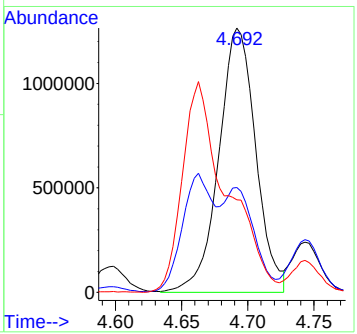


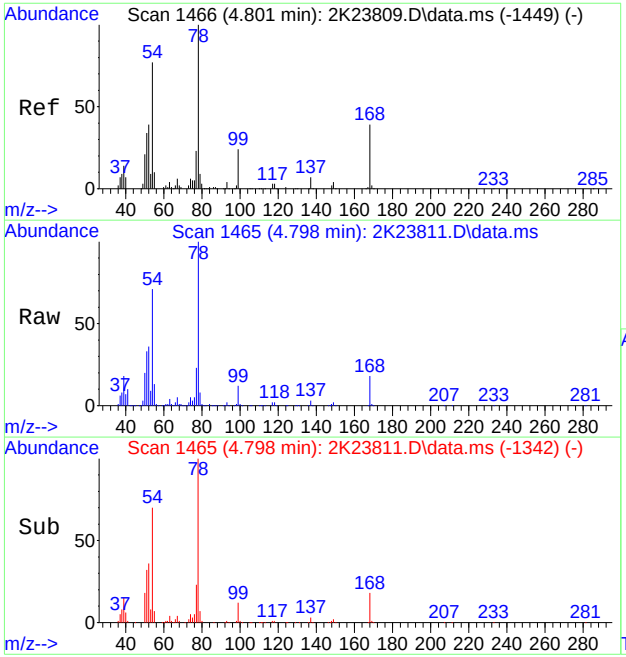


#52
iso-octane
Concen: 95.03 ug/L
RT: 4.692 min Scan# 1432
Delta R.T. -0.003 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 57 Resp: 2460651

Ion	Ratio	Lower	Upper
57	100		
41	38.3	19.7	59.7
56	32.9	14.3	54.3

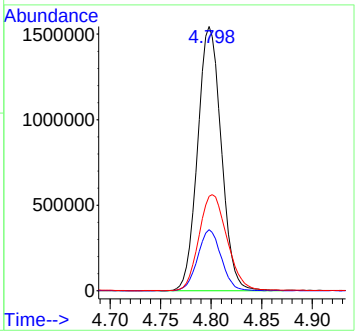


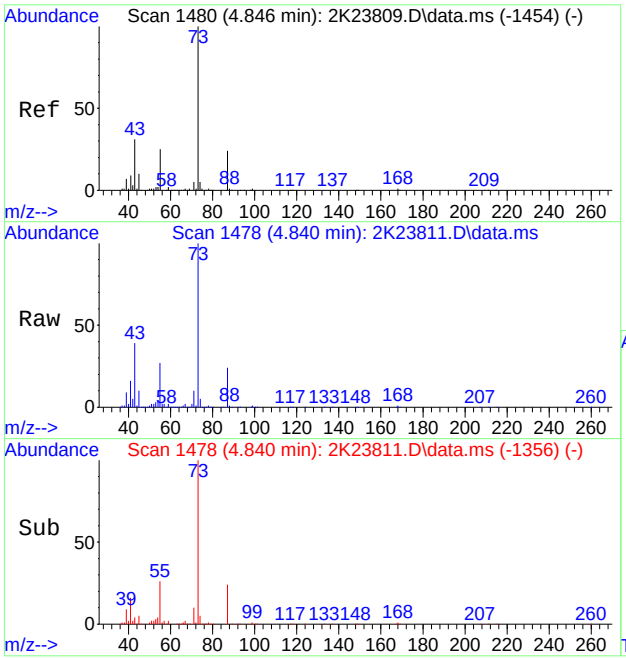


#53
benzene
Concen: 97.76 ug/L
RT: 4.798 min Scan# 1465
Delta R.T. -0.003 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 78 Resp: 2518845

Ion	Ratio	Lower	Upper
78	100		
77	23.1	0.0	53.5
52	35.6	8.9	68.9

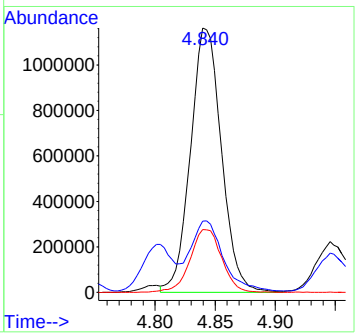


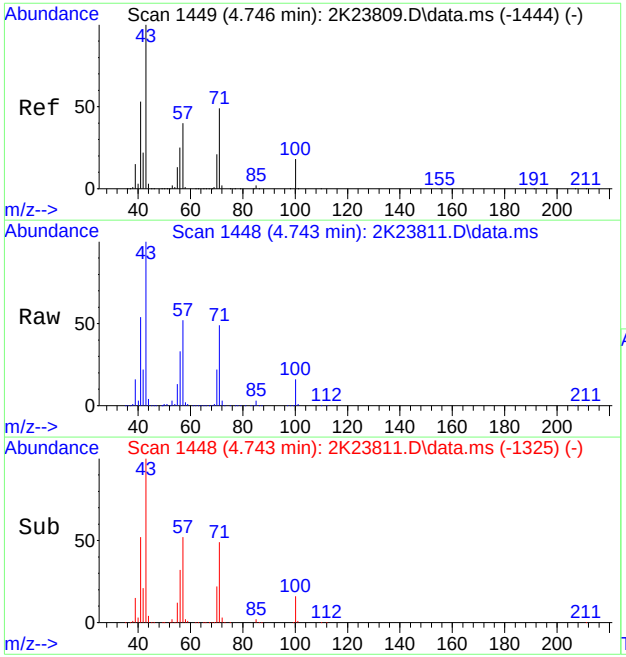


#54
tert-amyl methyl ether
Concen: 94.63 ug/L
RT: 4.840 min Scan# 1478
Delta R.T. -0.006 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 73 Resp: 2081682

Ion	Ratio	Lower	Upper
73	100		
55	26.5	6.1	46.1
87	23.8	4.3	44.3

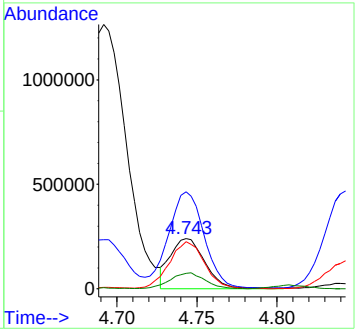


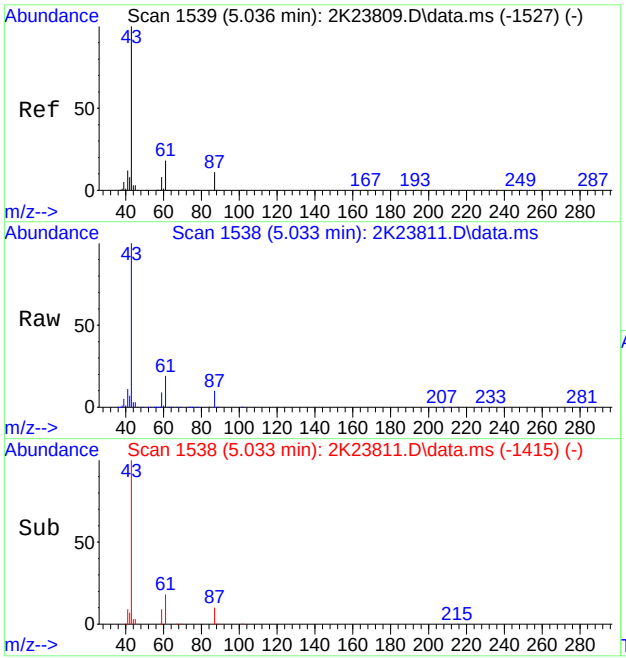


#55
heptane
Concen: 95.81 ug/L
RT: 4.743 min Scan# 1448
Delta R.T. -0.003 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 57 Resp: 361588

Ion	Ratio	Lower	Upper
57	100		
43	194.1	171.2	231.2
71	94.6	63.1	123.1
100	24.4	0.0	55.4

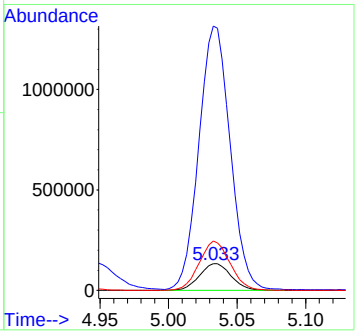


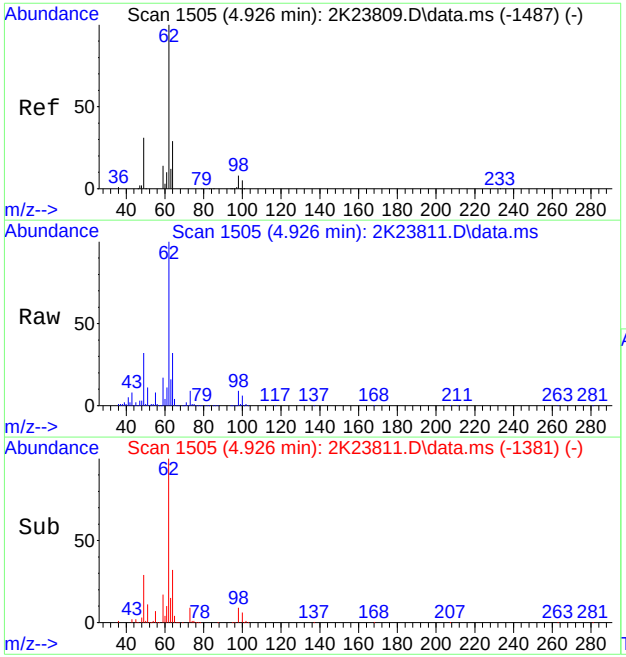


#56
isopropyl acetate
Concen: 102.27 ug/L
RT: 5.033 min Scan# 1538
Delta R.T. -0.003 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 87 Resp: 213128

Ion	Ratio	Lower	Upper
87	100		
43	989.6	917.6	977.6#
61	184.9	137.7	197.7

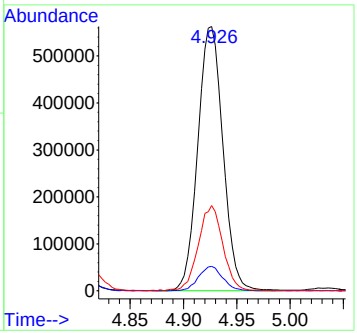


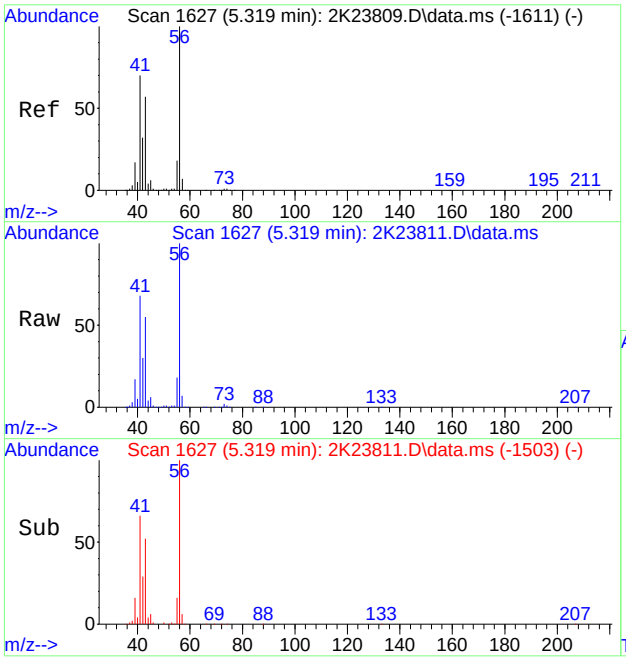


#57
1,2-dichloroethane
Concen: 86.83 ug/L
RT: 4.926 min Scan# 1505
Delta R.T. 0.000 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 62 Resp: 923689

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	38.3
64	32.1	0.0	59.6

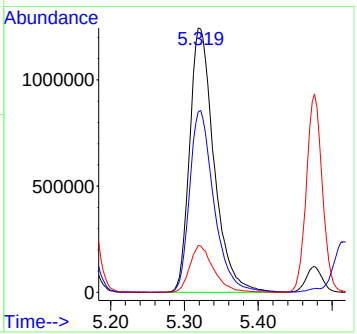


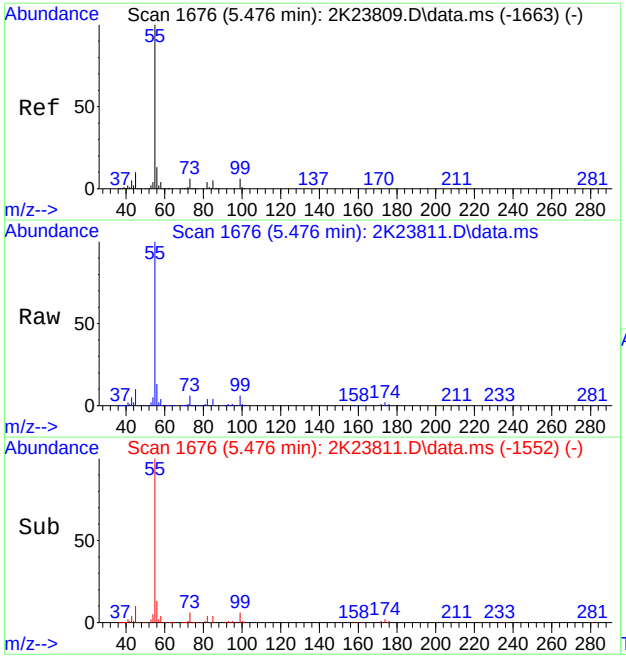


#58
n-butyl alcohol
Concen: 4939.55 ug/L
RT: 5.319 min Scan# 1627
Delta R.T. 0.000 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 56 Resp: 2847208

Ion	Ratio	Lower	Upper
56	100		
41	68.2	50.4	90.4
55	17.6	0.0	37.7

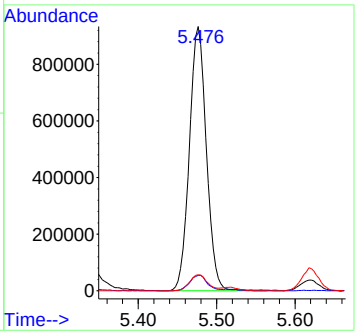


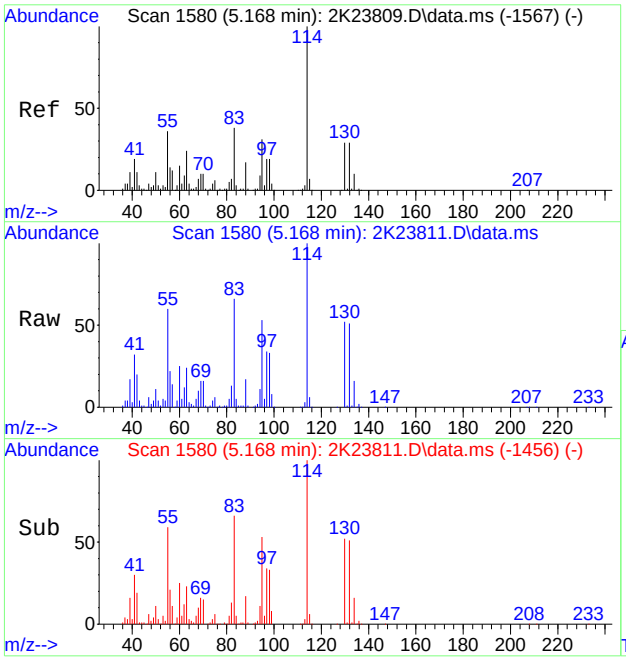


#59
ethyl acrylate
Concen: 100.27 ug/L
RT: 5.476 min Scan# 1676
Delta R.T. 0.000 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 55 Resp: 1408813

Ion	Ratio	Lower	Upper
55	100		
73	5.9	0.0	36.2
99	6.1	0.0	36.0

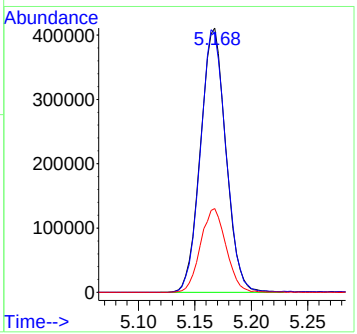


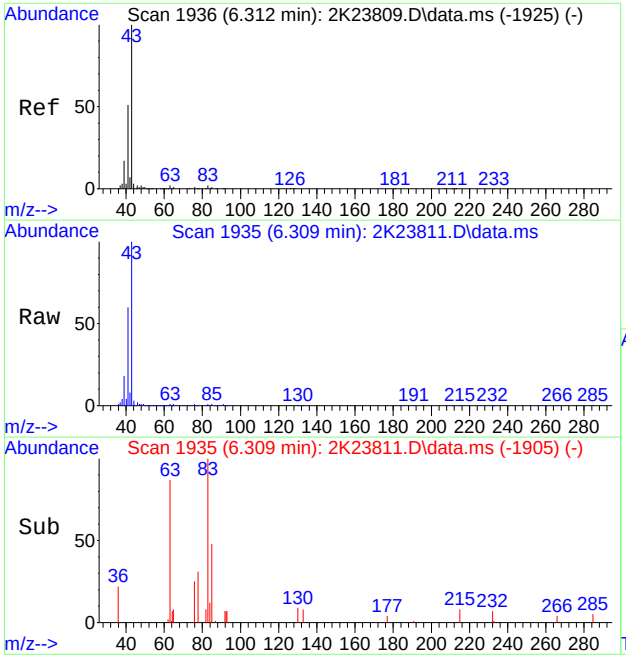


#60
trichloroethene
Concen: 103.15 ug/L
RT: 5.168 min Scan# 1580
Delta R.T. 0.000 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion:130 Resp: 641877

Ion	Ratio	Lower	Upper
130	100		
132	98.1	70.8	130.8
134	31.7	4.2	64.2

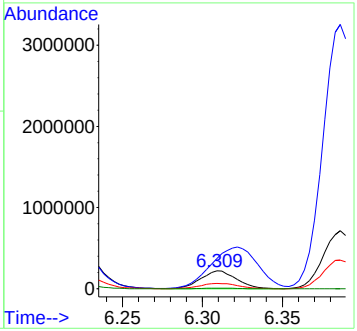


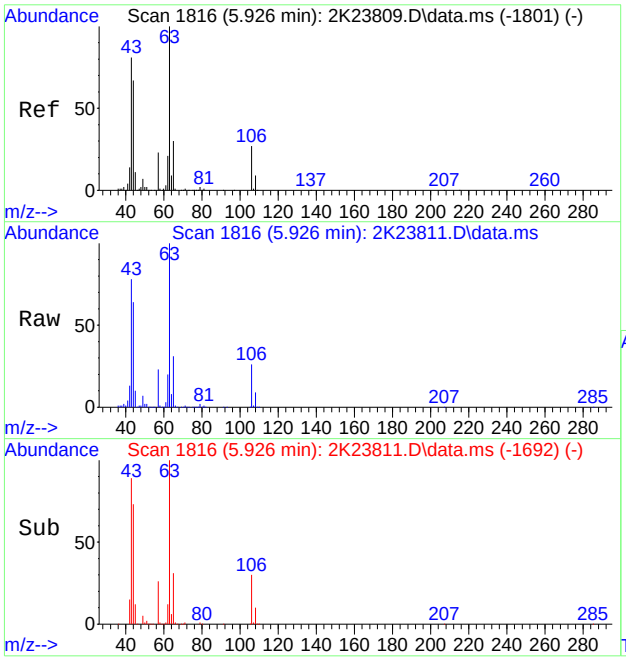


#61
2-nitropropane
Concen: 88.32 ug/L
RT: 6.309 min Scan# 1935
Delta R.T. -0.003 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 41 Resp: 338079

Ion	Ratio	Lower	Upper
41	100		
43	167.1	163.8	223.8
39	29.8	4.1	64.1
46	3.5	0.0	33.5

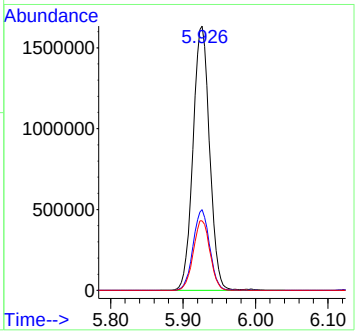


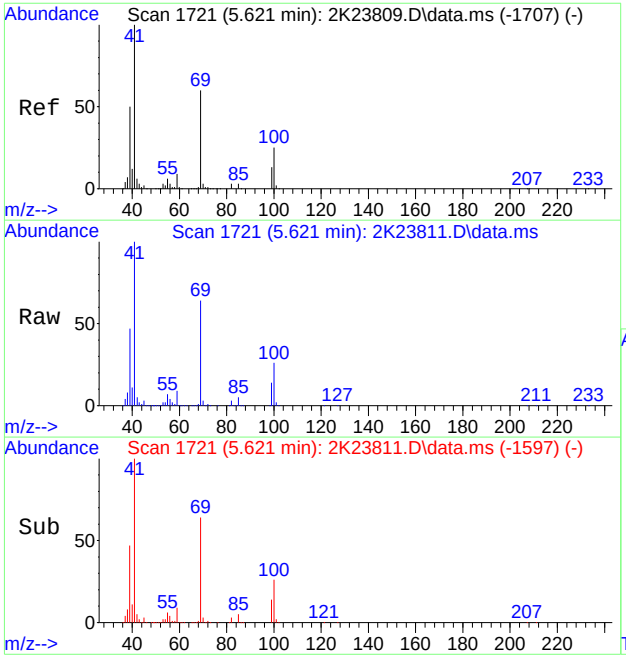


#62
2-chloroethyl vinyl ether
Concen: 554.94 ug/L
RT: 5.926 min Scan# 1816
Delta R.T. 0.000 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 63 Resp: 2599881

Ion	Ratio	Lower	Upper
63	100		
65	30.5	0.3	60.3
106	26.3	0.0	57.1

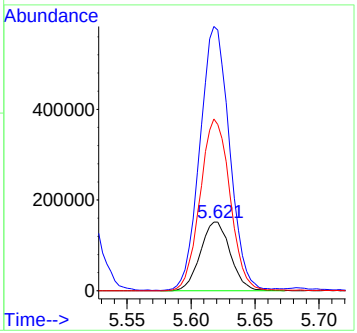


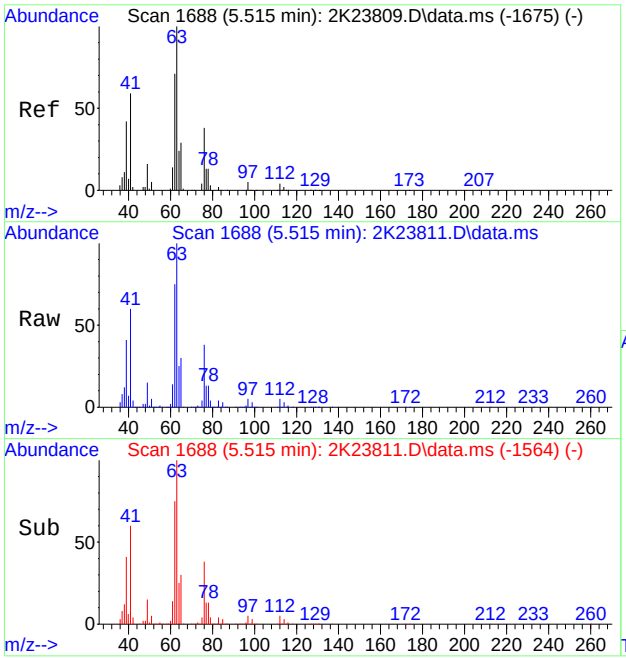


#63
methyl methacrylate
Concen: 102.29 ug/L
RT: 5.621 min Scan# 1721
Delta R.T. 0.000 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion:100 Resp: 247514

Ion	Ratio	Lower	Upper
100	100		
41	378.2	374.3	434.3
69	241.7	214.3	274.3

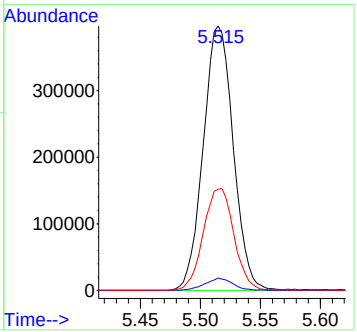


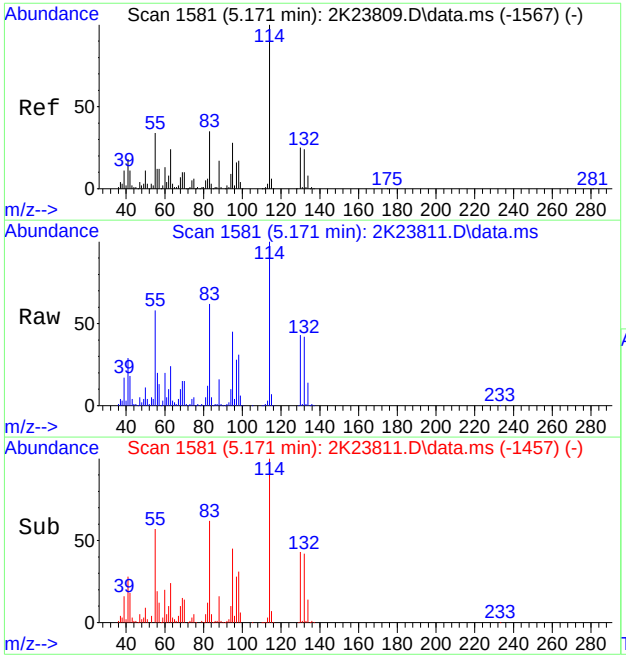


#64
1,2-dichloropropane
Concen: 95.66 ug/L
RT: 5.515 min Scan# 1688
Delta R.T. 0.000 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 63 Resp: 691048

Ion	Ratio	Lower	Upper
63	100		
112	4.7	0.0	33.7
76	38.2	7.9	67.9

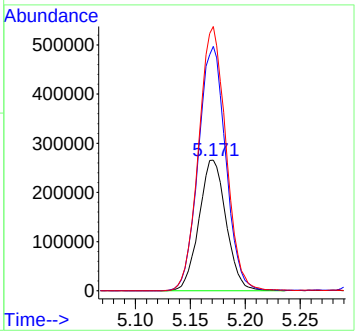


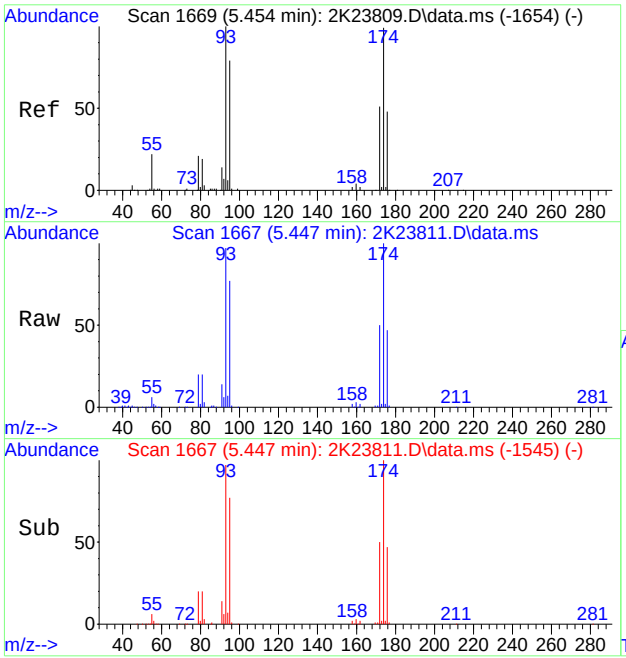


#65
methylcyclohexane
Concen: 100.73 ug/L
RT: 5.171 min Scan# 1581
Delta R.T. 0.000 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 98 Resp: 458440

Ion	Ratio	Lower	Upper
98	100		
55	187.2	173.8	233.8
83	202.6	181.7	241.7

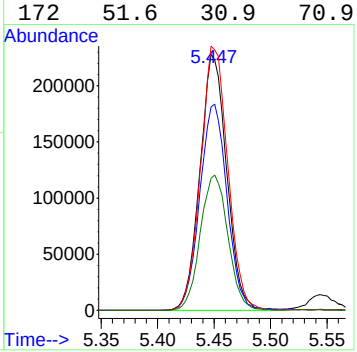


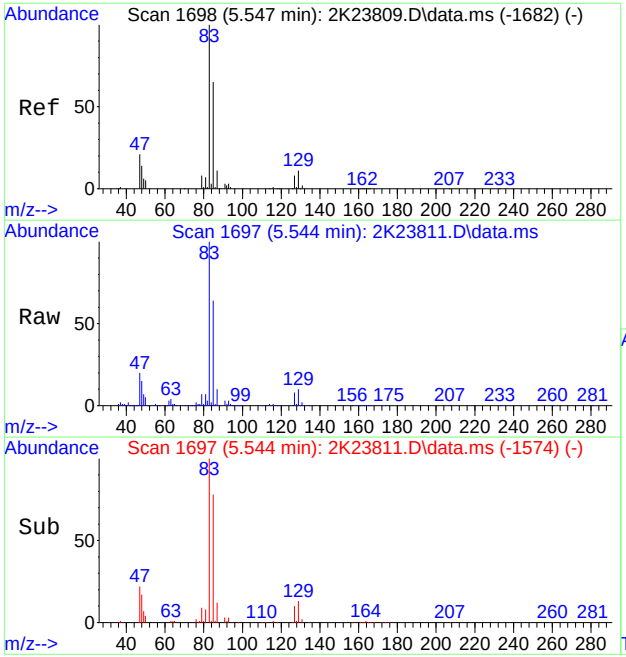


#66
dibromomethane
Concen: 93.04 ug/L
RT: 5.447 min Scan# 1667
Delta R.T. -0.006 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 93 Resp: 375221

Ion	Ratio	Lower	Upper
93	100		
95	79.4	49.5	109.5
174	103.3	68.7	128.7
172	51.6	30.9	70.9

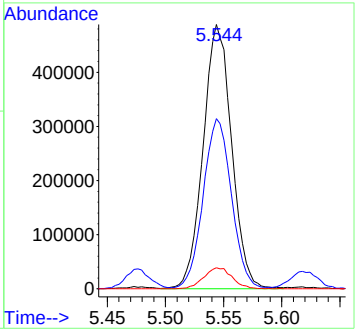


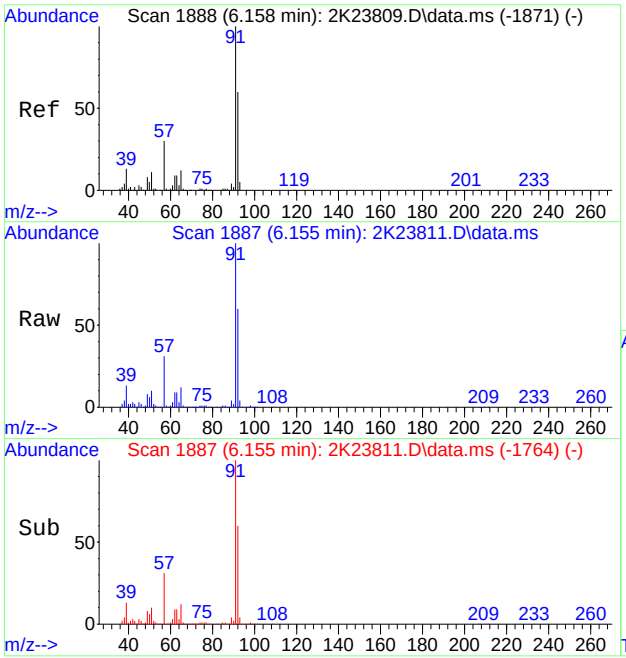


#67
bromodichloromethane
Concen: 96.24 ug/L
RT: 5.544 min Scan# 1697
Delta R.T. -0.003 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 83 Resp: 832470

Ion	Ratio	Lower	Upper
83	100		
85	63.0	36.5	96.5
127	8.0	0.0	37.8

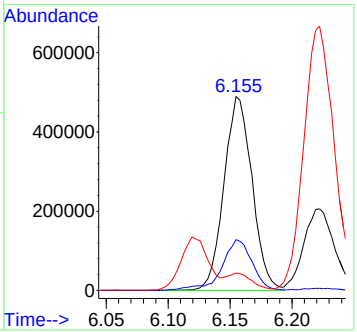


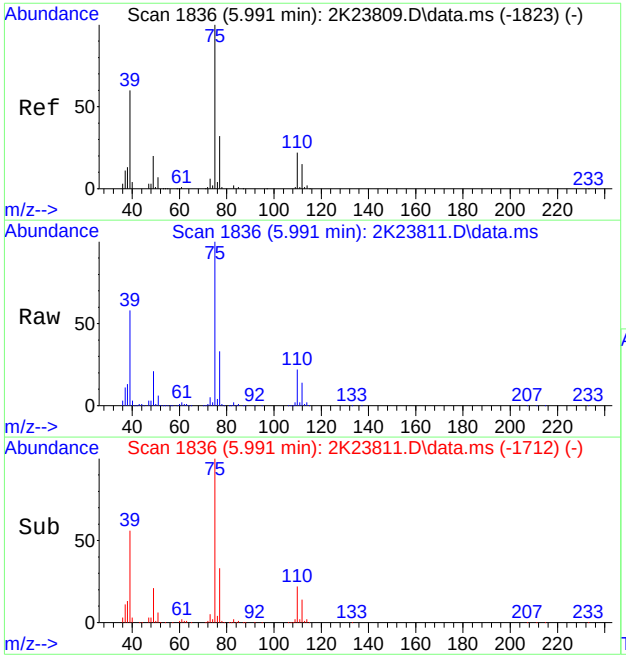


#68
epichlorohydrin
Concen: 476.92 ug/L
RT: 6.155 min Scan# 1887
Delta R.T. -0.003 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 57 Resp: 773047

Ion	Ratio	Lower	Upper
57	100		
49	26.1	7.1	47.1
42	8.2	0.0	27.5

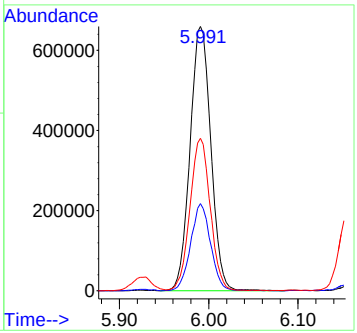


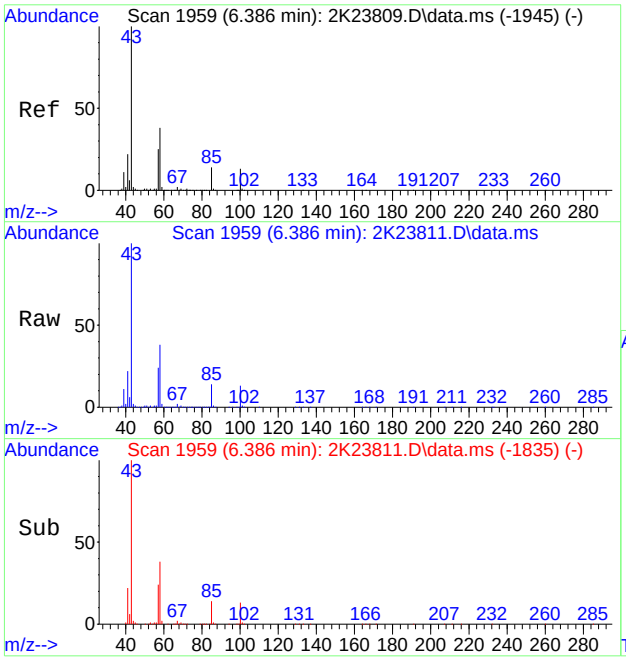


#69
cis-1,3-dichloropropene
Concen: 97.34 ug/L
RT: 5.991 min Scan# 1836
Delta R.T. 0.000 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 75 Resp: 1068920

Ion	Ratio	Lower	Upper
75	100		
77	32.9	2.1	62.1
39	57.5	30.1	90.1

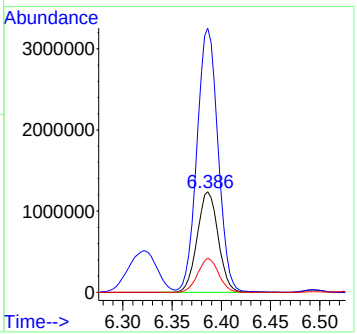


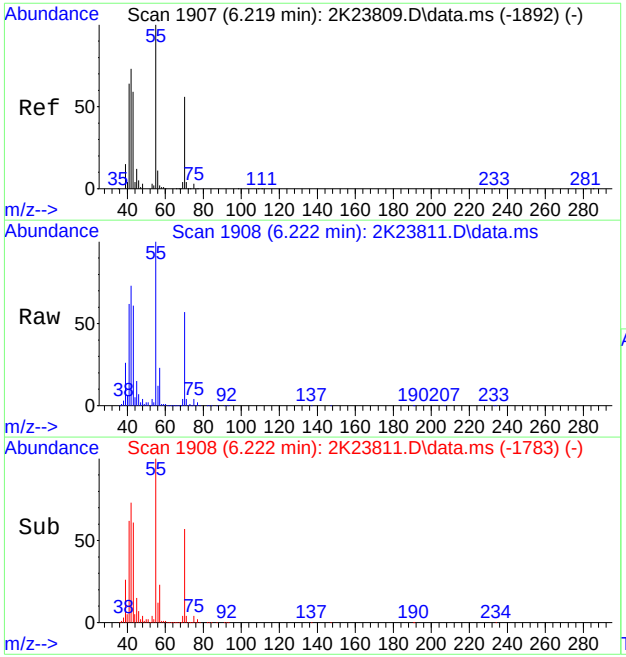


#70
4-methyl-2-pentanone
Concen: 391.00 ug/L
RT: 6.386 min Scan# 1959
Delta R.T. 0.000 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 58 Resp: 1839365

Ion	Ratio	Lower	Upper
58	100		
43	262.5	244.4	304.4
100	34.0	4.8	64.8

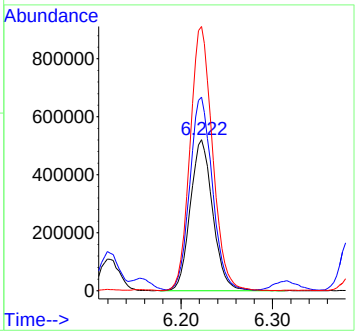


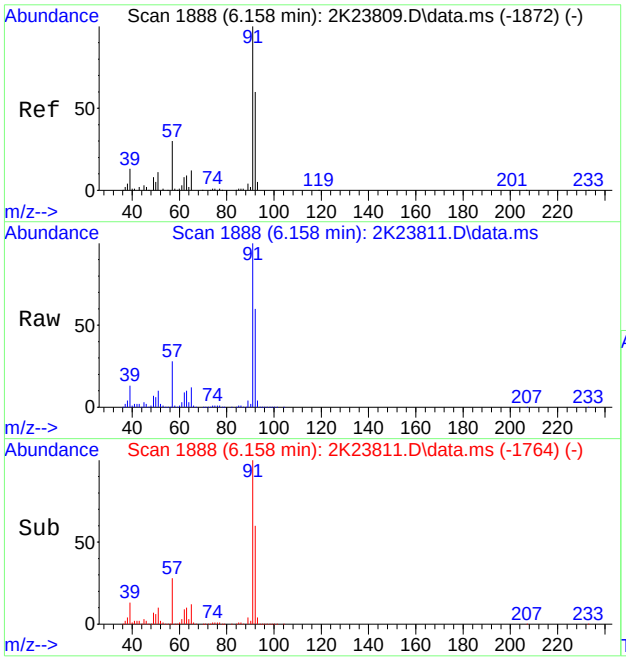


#71
3-methyl-1-butanol
Concen: 1982.73 ug/L
RT: 6.222 min Scan# 1908
Delta R.T. 0.003 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 70 Resp: 887055

Ion	Ratio	Lower	Upper
70	100		
42	126.8	100.5	160.5
55	175.0	148.8	208.8

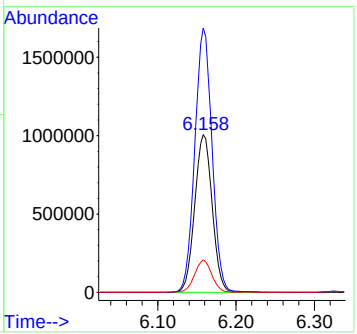


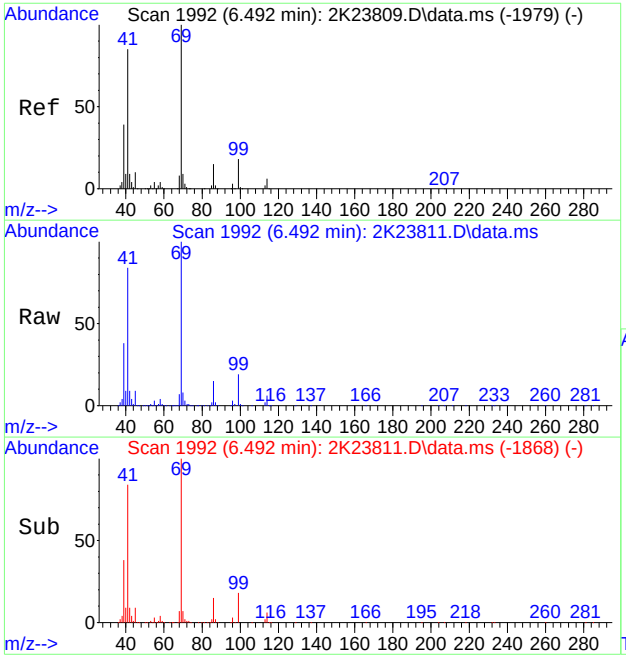


#74
toluene
Concen: 99.15 ug/L
RT: 6.158 min Scan# 1888
Delta R.T. 0.000 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 92 Resp: 1556412

Ion	Ratio	Lower	Upper
92	100		
91	167.6	145.9	185.9
65	20.7	0.5	40.5

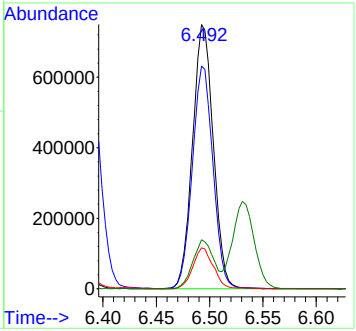


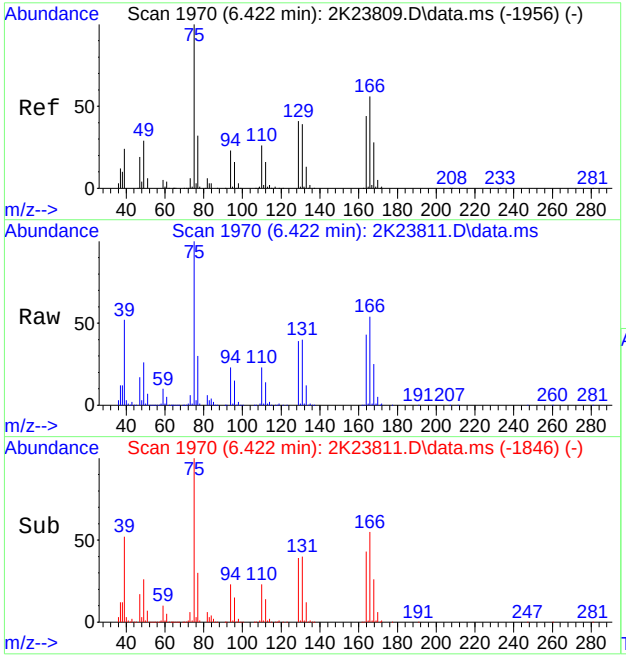


#75
ethyl methacrylate
Concen: 104.40 ug/L
RT: 6.492 min Scan# 1992
Delta R.T. 0.000 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 69 Resp: 1015475

Ion	Ratio	Lower	Upper
69	100		
41	84.2	65.3	105.3
86	15.5	0.0	34.6
99	18.6	0.0	38.4

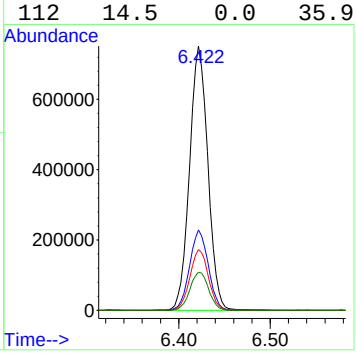


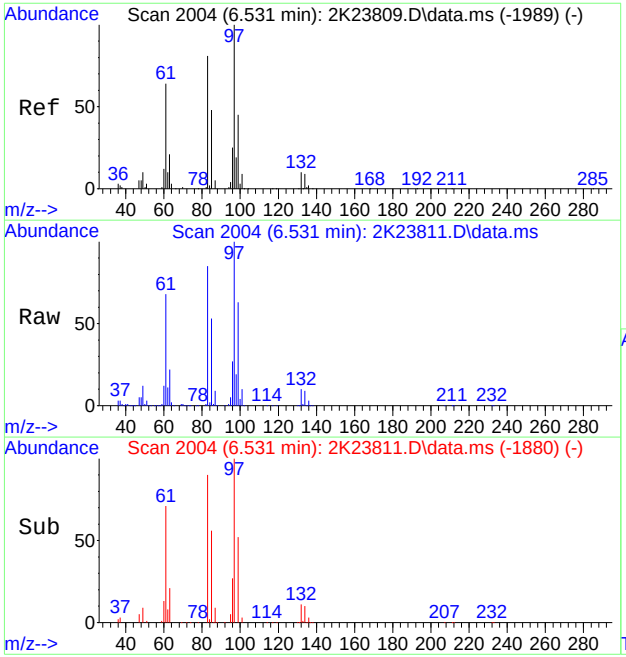


#76
trans-1,3-dichloropropene
Concen: 101.88 ug/L
RT: 6.422 min Scan# 1970
Delta R.T. 0.000 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 75 Resp: 1047714

Ion	Ratio	Lower	Upper
75	100		
77	30.4	12.2	52.2
110	23.1	5.7	45.7
112	14.5	0.0	35.9

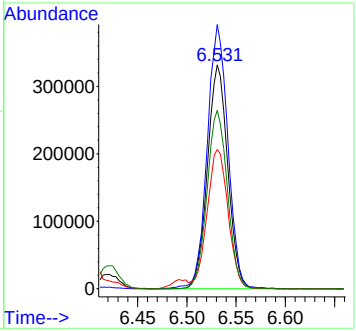


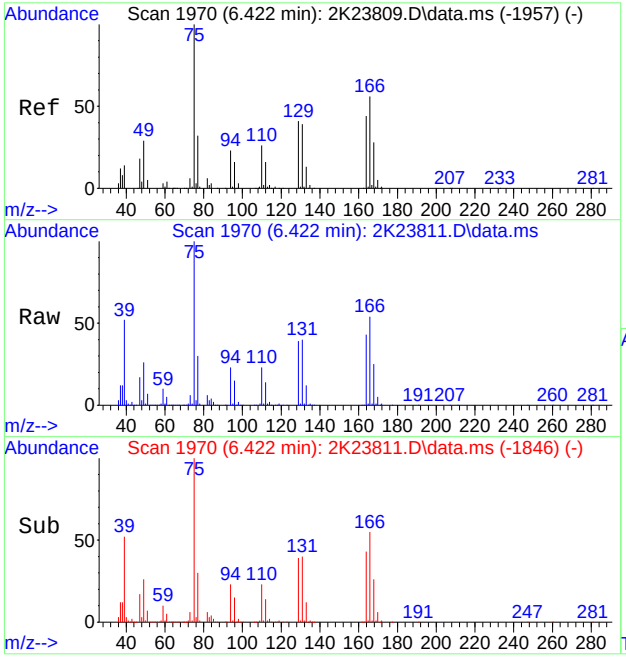


#77
1,1,2-trichloroethane
Concen: 100.56 ug/L
RT: 6.531 min Scan# 2004
Delta R.T. 0.000 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 83 Resp: 477291

Ion	Ratio	Lower	Upper
83	100		
97	118.0	103.4	143.4
85	62.1	40.7	80.7
61	79.7	58.7	98.7

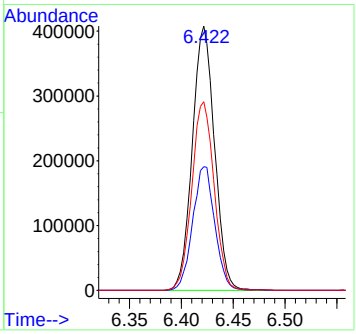


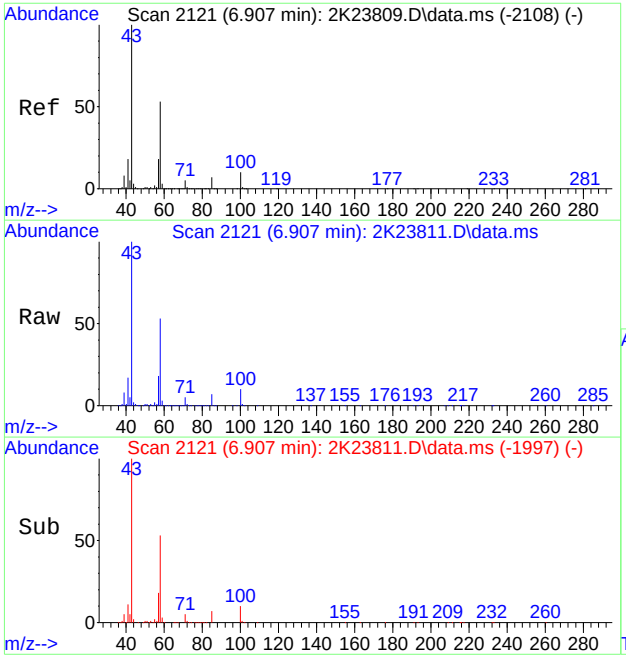


#78
tetrachloroethene
Concen: 101.83 ug/L
RT: 6.422 min Scan# 1970
Delta R.T. 0.000 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion:166 Resp: 609350

Ion	Ratio	Lower	Upper
166	100		
168	46.8	19.1	79.1
129	71.3	42.7	102.7

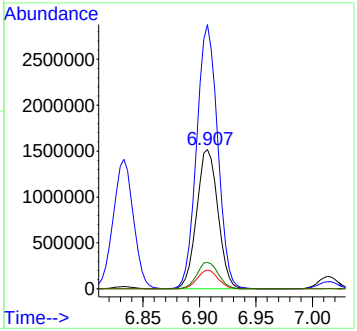


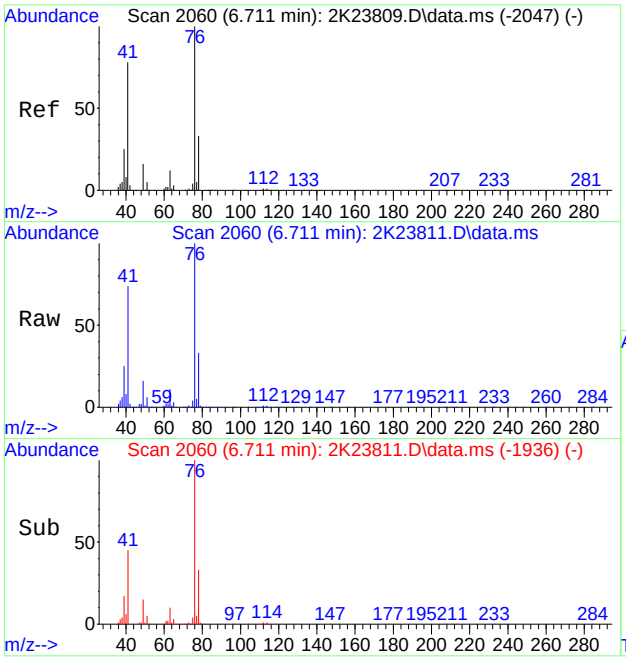


#79
2-hexanone
Concen: 401.83 ug/L
RT: 6.907 min Scan# 2121
Delta R.T. 0.000 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 58 Resp: 1981016

Ion	Ratio	Lower	Upper
58	100		
43	189.7	168.9	208.9
85	13.5	0.0	33.1
100	18.9	0.0	39.1

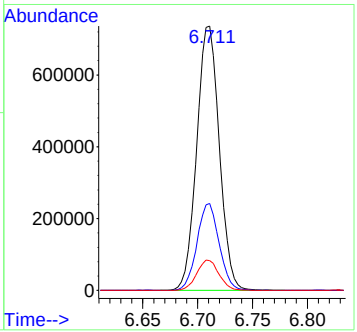


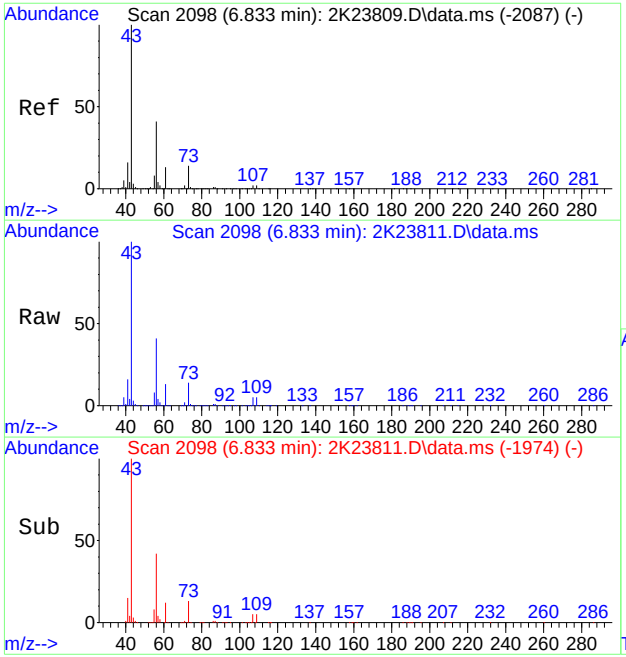


#80
1,3-dichloropropane
Concen: 102.32 ug/L
RT: 6.711 min Scan# 2060
Delta R.T. 0.000 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 76 Resp: 1053670

Ion	Ratio	Lower	Upper
76	100		
78	32.9	2.9	62.9
63	11.3	0.0	42.3

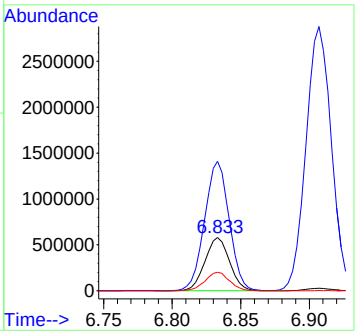


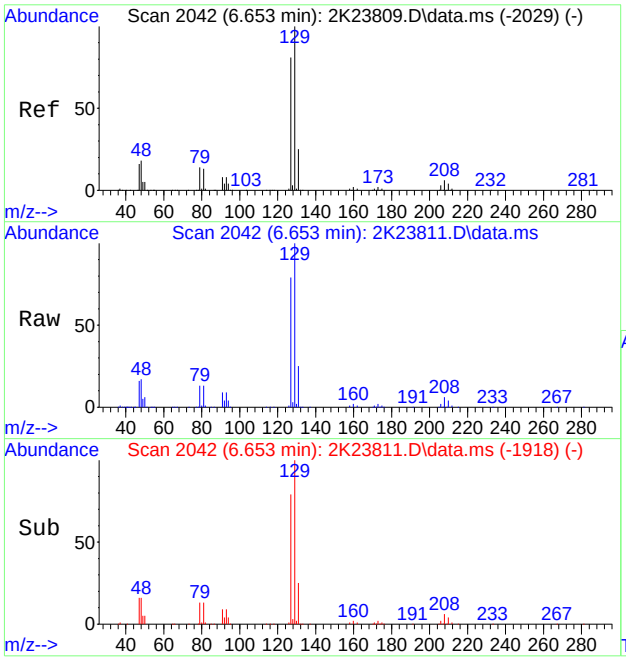


#81
butyl acetate
Concen: 100.53 ug/L
RT: 6.833 min Scan# 2098
Delta R.T. 0.000 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 56 Resp: 722323

Ion	Ratio	Lower	Upper
56	100		
43	242.2	213.5	273.5
73	34.4	4.2	64.2

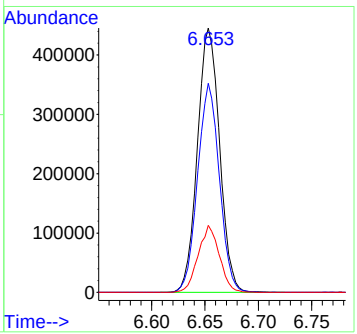


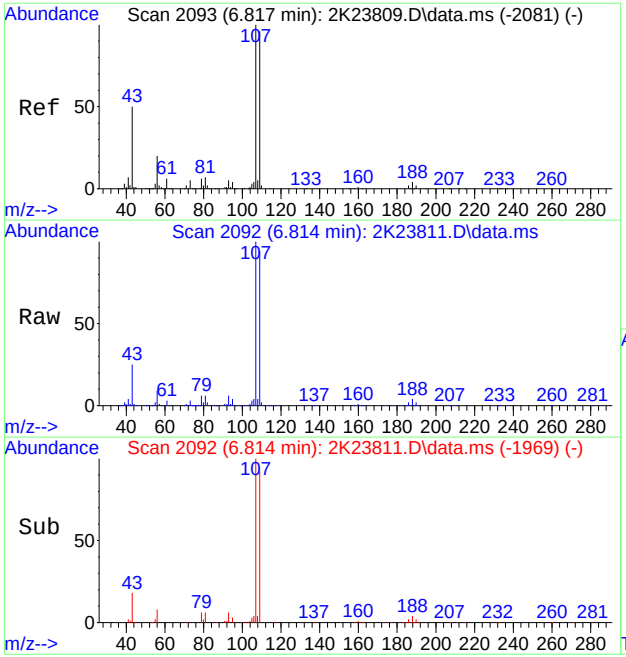


#82
dibromochloromethane
Concen: 105.61 ug/L
RT: 6.653 min Scan# 2042
Delta R.T. 0.000 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion:129 Resp: 643637

Ion	Ratio	Lower	Upper
129	100		
127	79.1	50.8	110.8
131	25.3	0.0	55.3

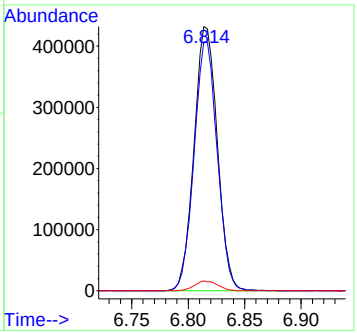


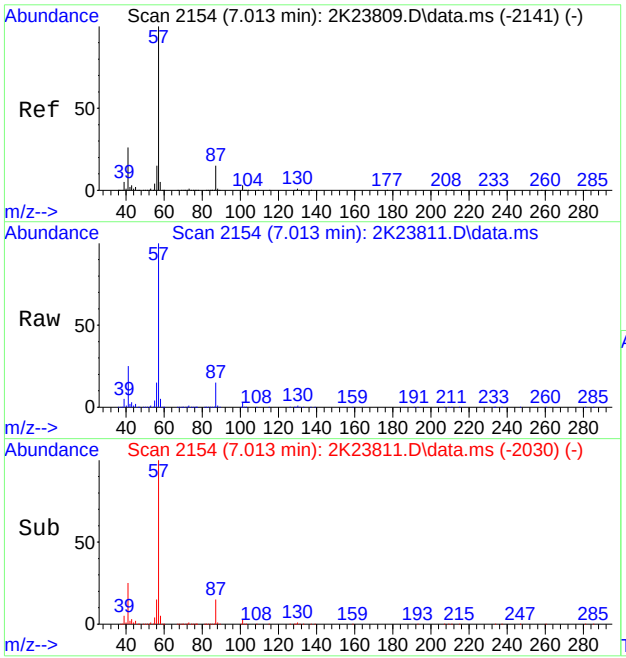


#83
1,2-dibromoethane
Concen: 108.54 ug/L
RT: 6.814 min Scan# 2092
Delta R.T. -0.003 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion:107 Resp: 618901

Ion	Ratio	Lower	Upper
107	100		
109	94.3	65.7	125.7
188	3.8	0.0	33.6

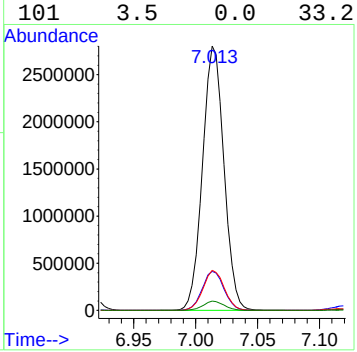


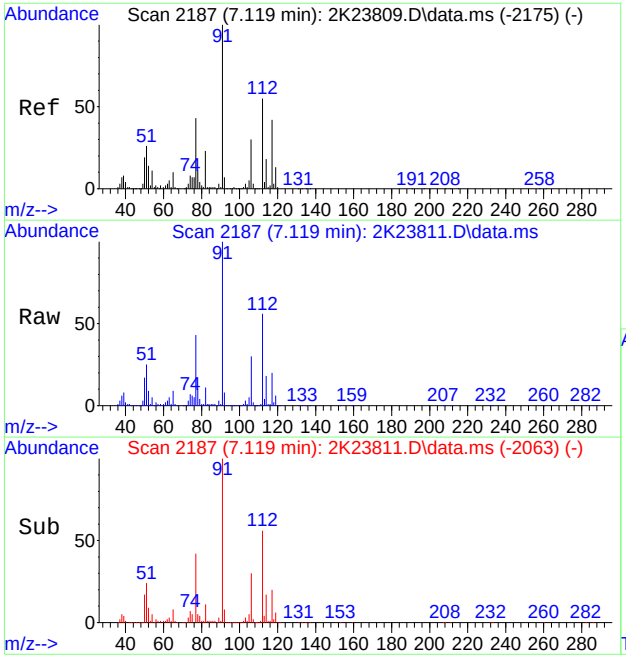


#84
n-butyl ether
Concen: 103.31 ug/L
RT: 7.013 min Scan# 2154
Delta R.T. 0.000 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 57 Resp: 3371660

Ion	Ratio	Lower	Upper
57	100		
56	14.8	0.0	45.2
87	15.2	0.0	45.0
101	3.5	0.0	33.2

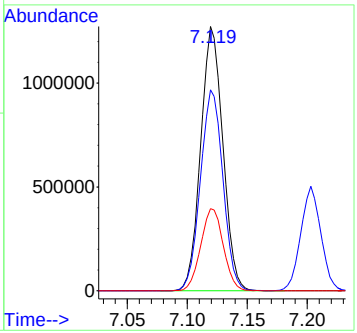


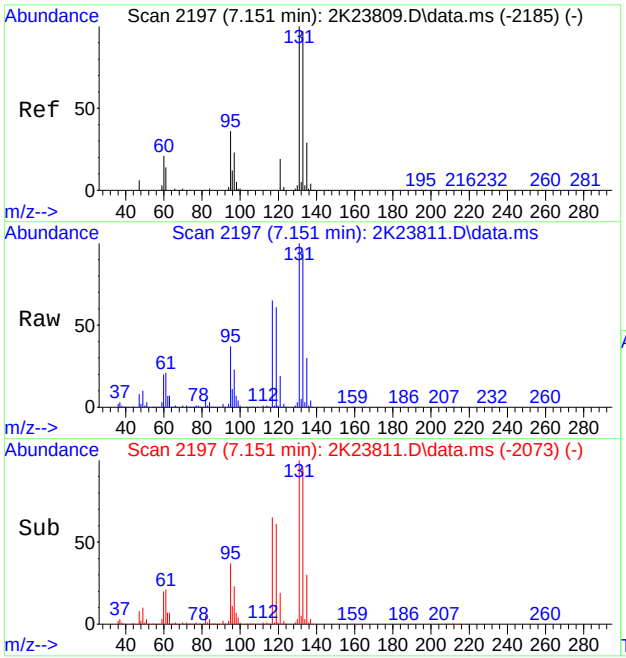


#85
chlorobenzene
Concen: 100.03 ug/L
RT: 7.119 min Scan# 2187
Delta R.T. 0.000 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion:112 Resp: 1631951

Ion	Ratio	Lower	Upper
112	100		
77	76.0	49.5	109.5
114	31.1	2.1	62.1

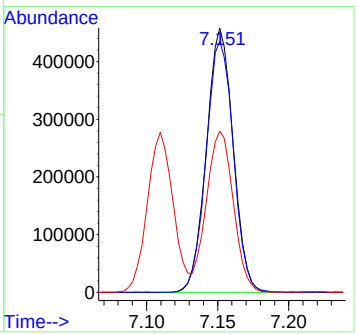


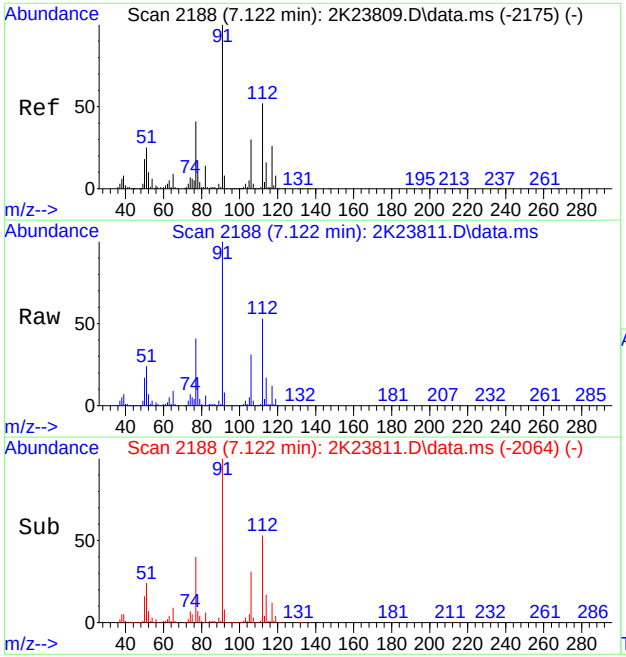


#86
1,1,1,2-tetrachloroethane
Concen: 104.55 ug/L
RT: 7.151 min Scan# 2197
Delta R.T. 0.000 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion:131 Resp: 599541

Ion	Ratio	Lower	Upper
131	100		
133	95.1	66.7	126.7
119	60.8	31.1	91.1

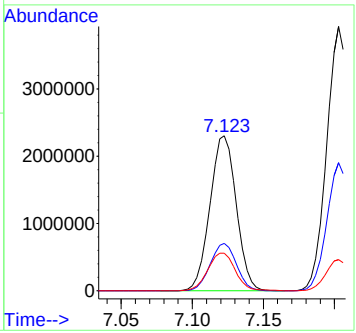


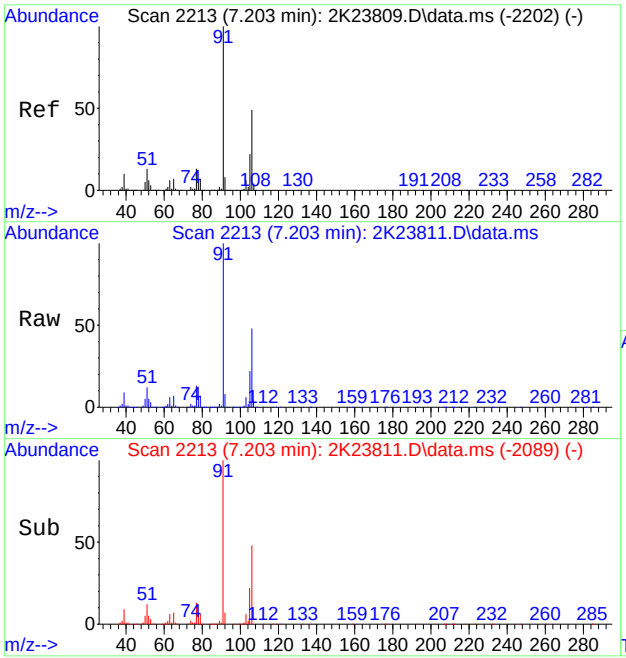


#87
ethylbenzene
Concen: 98.24 ug/L
RT: 7.122 min Scan# 2188
Delta R.T. 0.000 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 91 Resp: 2959446

Ion	Ratio	Lower	Upper
91	100		
106	30.6	0.3	60.3
51	24.2	0.0	55.4

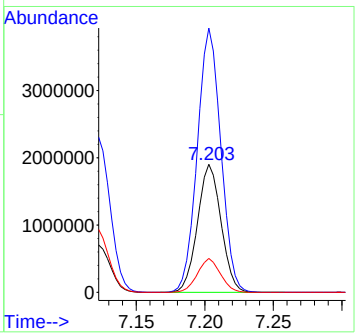


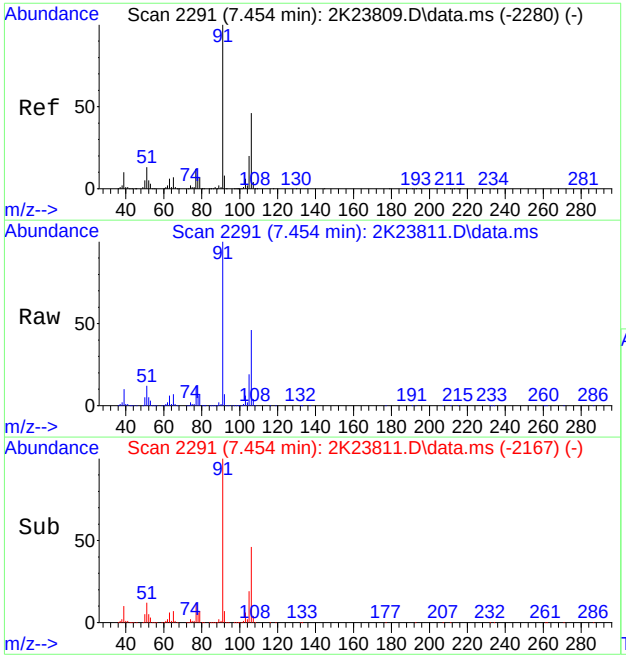


#88
m,p-xylene
Concen: 207.93 ug/L
RT: 7.203 min Scan# 2213
Delta R.T. 0.000 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion:106 Resp: 2269634

Ion	Ratio	Lower	Upper
106	100		
91	206.4	173.5	233.5
77	26.4	7.0	47.0

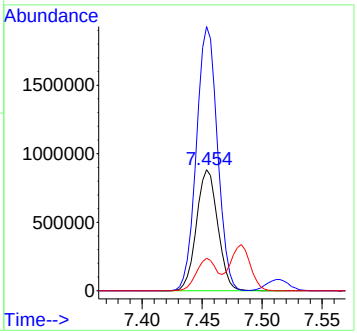


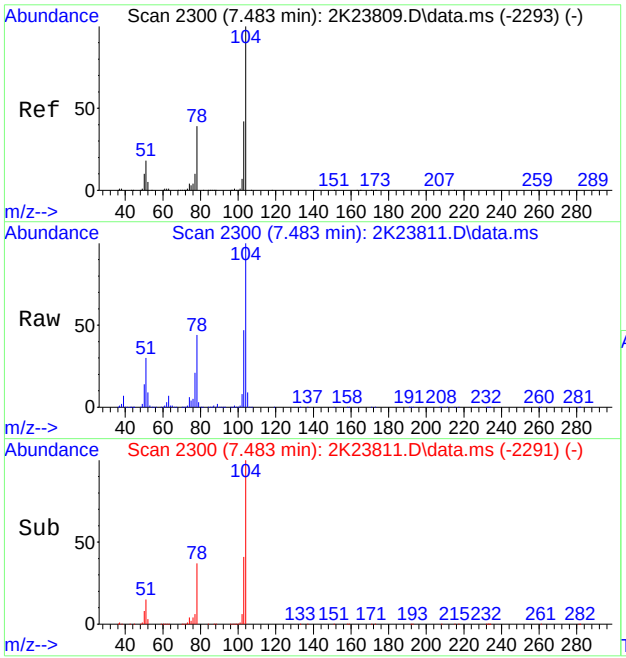


#89
o-xylene
Concen: 102.24 ug/L
RT: 7.454 min Scan# 2291
Delta R.T. 0.000 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion:106 Resp: 1089804

Ion	Ratio	Lower	Upper
106	100		
91	218.4	186.3	246.3
77	26.9	6.7	46.7

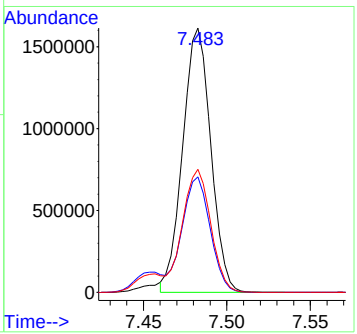


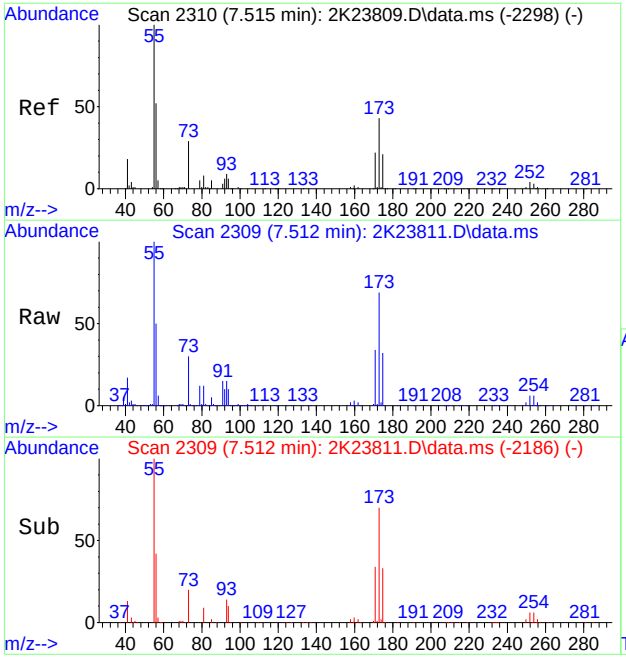


#90
styrene
Concen: 105.07 ug/L
RT: 7.483 min Scan# 2300
Delta R.T. 0.000 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion:104 Resp: 1889373

Ion	Ratio	Lower	Upper
104	100		
78	43.6	14.3	74.3
103	46.5	17.0	77.0

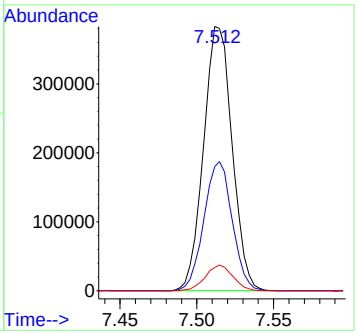


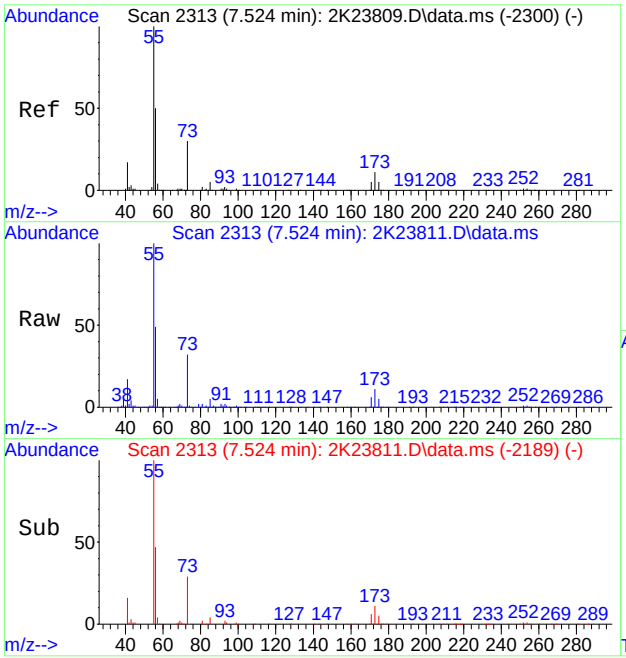


#91
bromoform
Concen: 101.13 ug/L
RT: 7.512 min Scan# 2309
Delta R.T. -0.003 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion:173 Resp: 496081

Ion	Ratio	Lower	Upper
173	100		
175	46.9	18.6	78.6
254	8.8	0.0	37.9

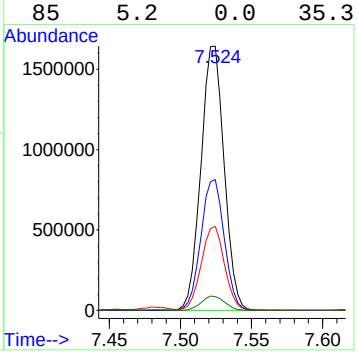


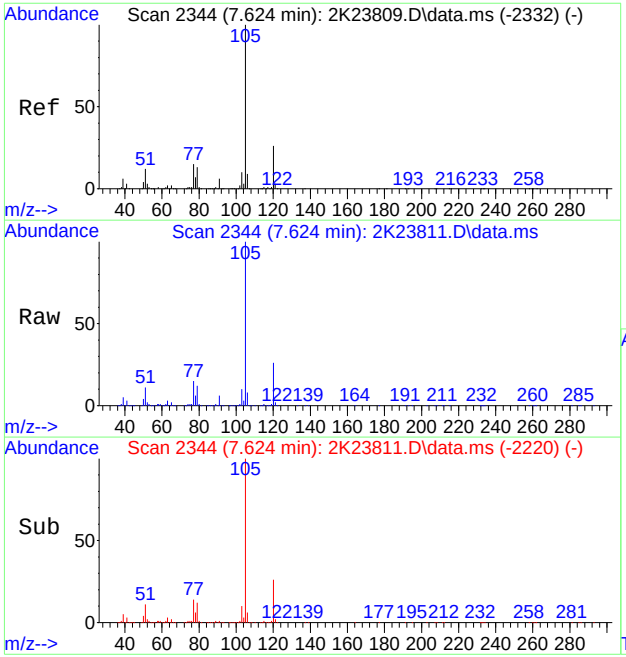


#92
butyl acrylate
Concen: 101.51 ug/L
RT: 7.524 min Scan# 2313
Delta R.T. 0.000 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 55 Resp: 1866959

Ion	Ratio	Lower	Upper
55	100		
56	49.5	20.5	80.5
73	31.7	0.7	60.7
85	5.2	0.0	35.3

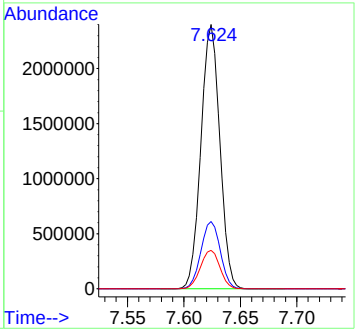


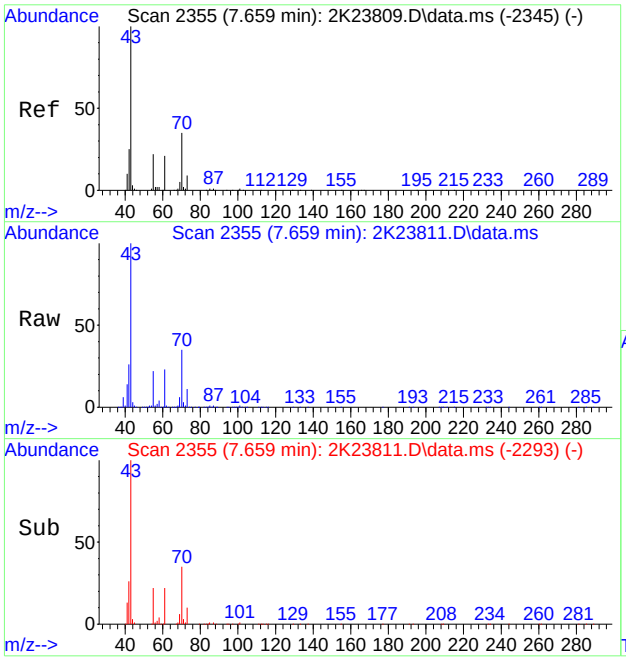


#93
isopropylbenzene
Concen: 105.71 ug/L
RT: 7.624 min Scan# 2344
Delta R.T. 0.000 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion:105 Resp: 2781039

Ion	Ratio	Lower	Upper
105	100		
120	25.5	6.4	46.4
77	14.5	0.0	35.1

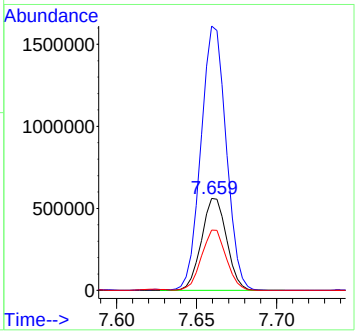


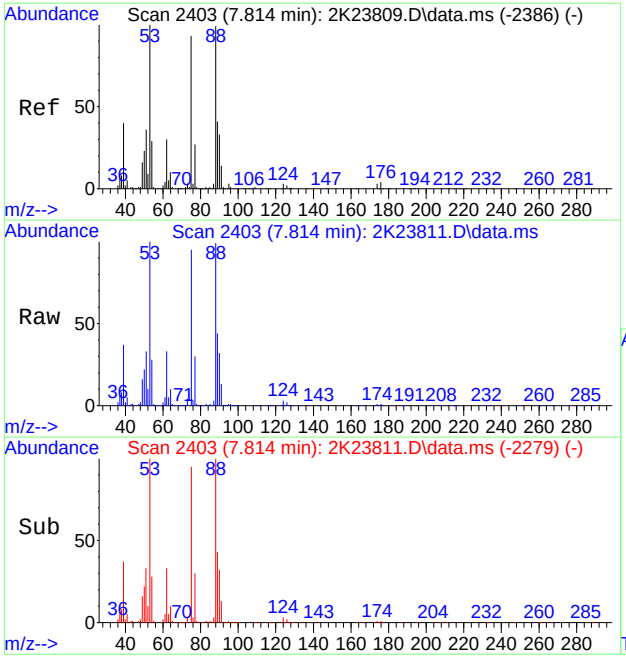


#94
n-amyl acetate
Concen: 104.68 ug/L
RT: 7.659 min Scan# 2355
Delta R.T. 0.000 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 70 Resp: 615185

Ion	Ratio	Lower	Upper
70	100		
43	287.0	265.5	305.5
61	65.6	41.9	81.9

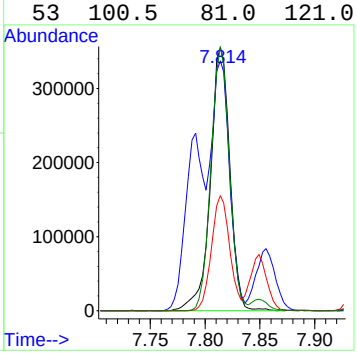


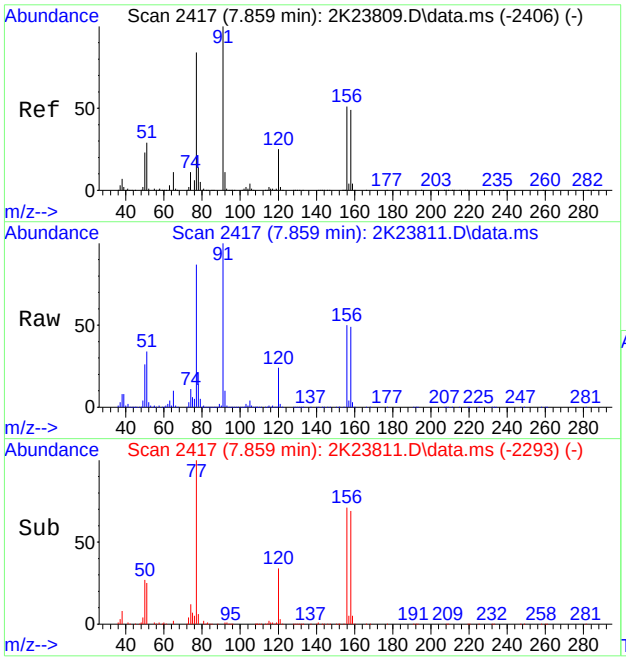


#95
cis-1,4-dichloro-2-butene
Concen: 104.51 ug/L
RT: 7.814 min Scan# 2403
Delta R.T. 0.000 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 88 Resp: 441080

Ion	Ratio	Lower	Upper
88	100		
75	94.9	73.7	113.7
89	43.8	20.9	60.9
53	100.5	81.0	121.0

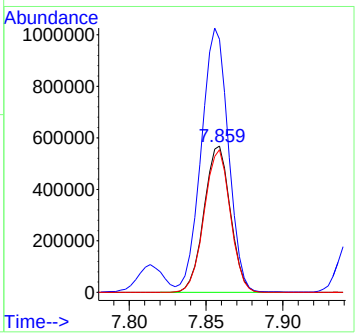


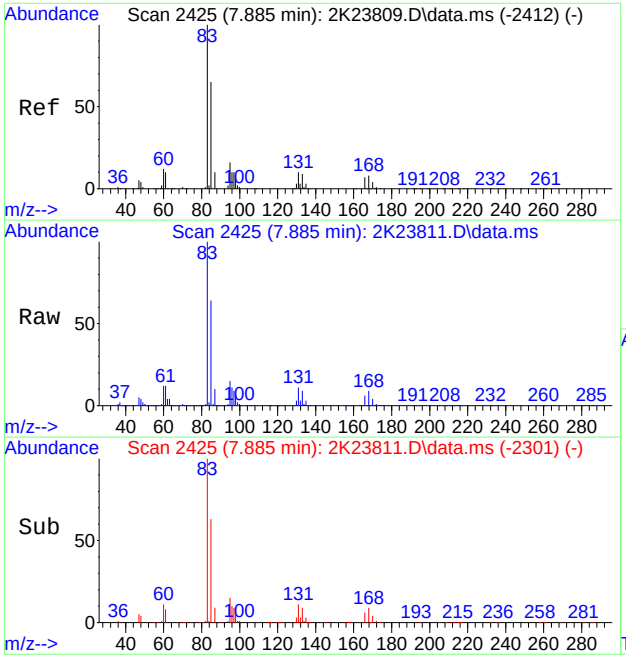


#98
bromobenzene
Concen: 98.81 ug/L
RT: 7.859 min Scan# 2417
Delta R.T. 0.000 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion:156 Resp: 677504

Ion	Ratio	Lower	Upper
156	100		
77	172.6	144.3	204.3
158	97.5	66.5	126.5

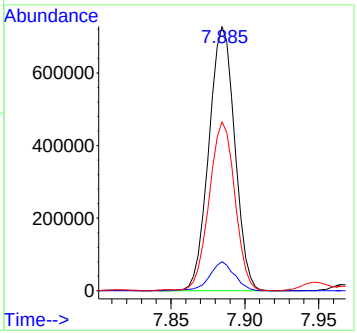


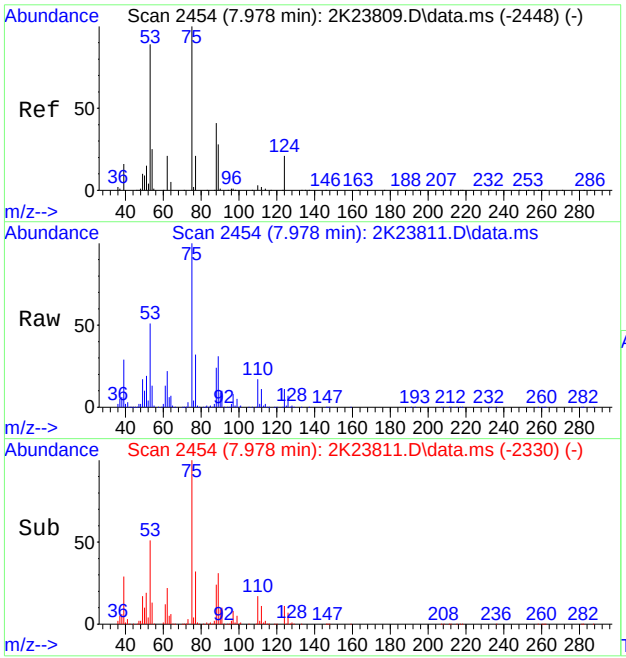


#99
1,1,2,2-tetrachloroethane
Concen: 100.01 ug/L
RT: 7.885 min Scan# 2425
Delta R.T. 0.000 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 83 Resp: 883398

Ion	Ratio	Lower	Upper
83	100		
131	11.0	0.0	40.0
85	63.8	35.3	95.3

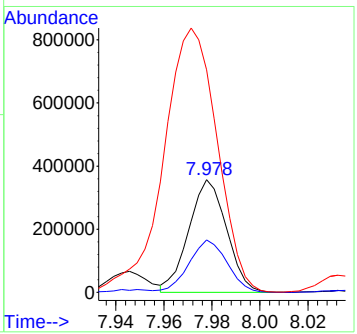


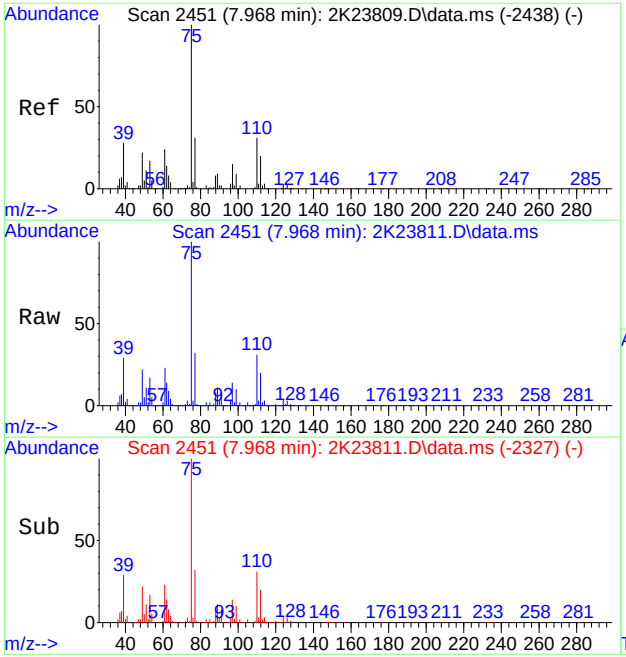


#100
trans-1,4-dichloro-2-butene
Concen: 95.16 ug/L
RT: 7.978 min Scan# 2454
Delta R.T. 0.000 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 53 Resp: 390543

Ion	Ratio	Lower	Upper
53	100		
88	46.5	15.2	75.2
75	197.1	166.9	226.9

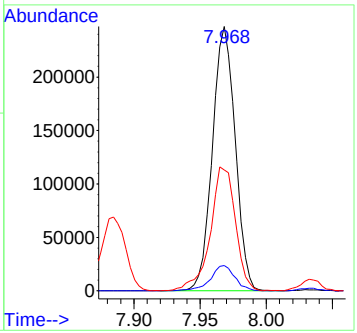


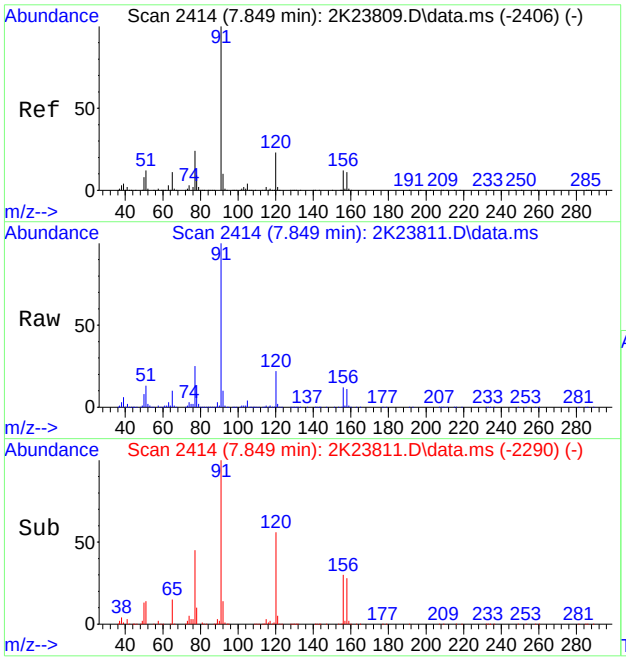


#101
1,2,3-trichloropropane
Concen: 98.57 ug/L
RT: 7.968 min Scan# 2451
Delta R.T. 0.000 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion:110 Resp: 296125

Ion	Ratio	Lower	Upper
110	100		
111	9.5	0.0	39.3
97	45.7	17.7	77.7

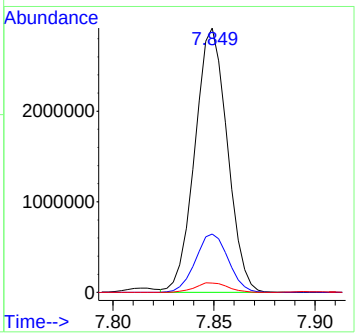


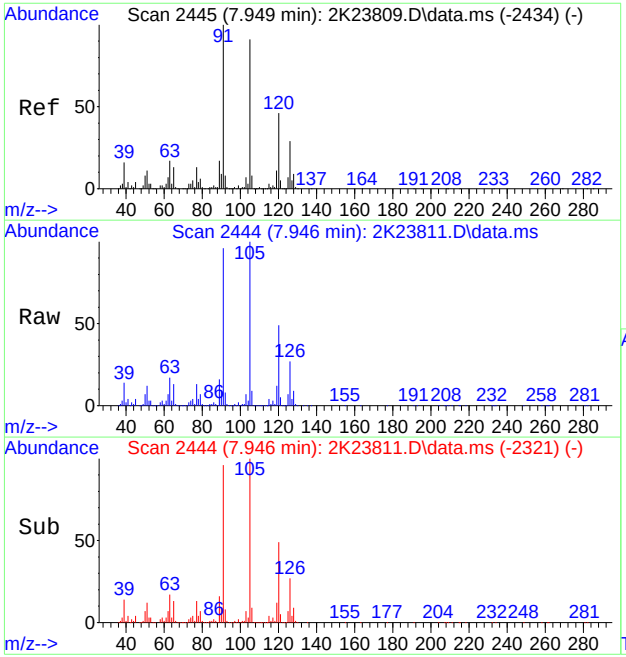


#102
n-propylbenzene
Concen: 104.81 ug/L
RT: 7.849 min Scan# 2414
Delta R.T. 0.000 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 91 Resp: 3250790

Ion	Ratio	Lower	Upper
91	100		
120	22.0	0.0	52.7
105	3.5	0.0	34.0

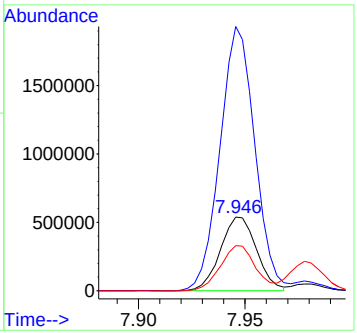


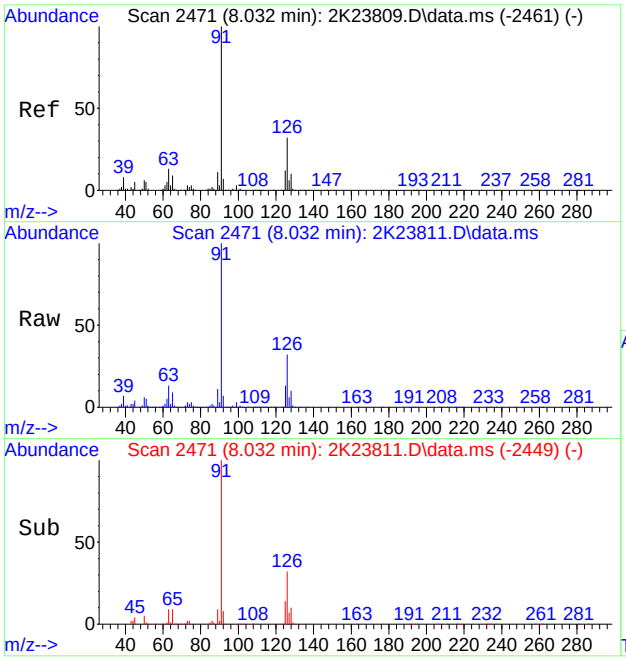


#103
2-chlorotoluene
Concen: 99.34 ug/L
RT: 7.946 min Scan# 2444
Delta R.T. -0.003 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion:126 Resp: 637736

Ion	Ratio	Lower	Upper
126	100		
91	358.0	309.9	369.9
89	61.2	27.7	87.7

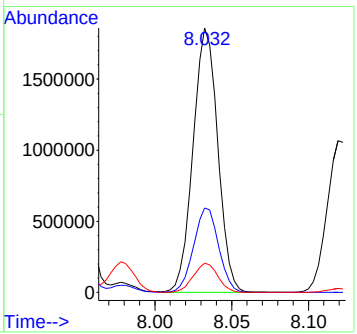


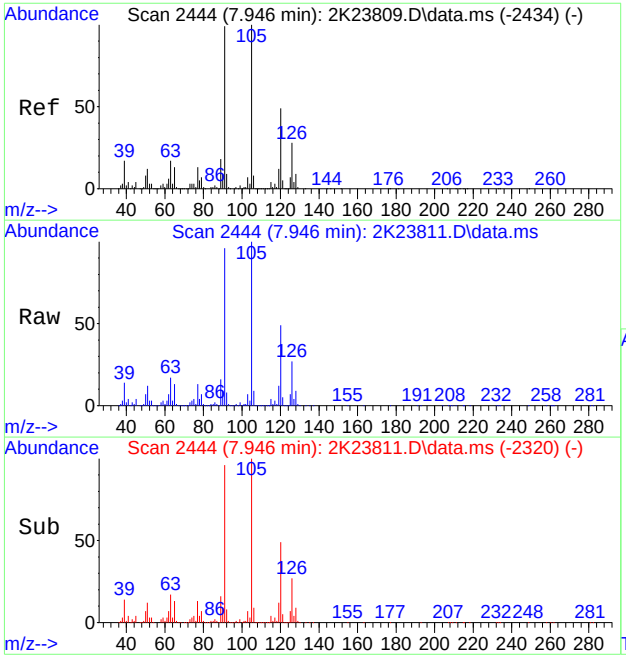


#104
4-chlorotoluene
Concen: 101.50 ug/L
RT: 8.032 min Scan# 2471
Delta R.T. 0.000 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 91 Resp: 2077065

Ion	Ratio	Lower	Upper
91	100		
126	31.9	1.8	61.8
89	11.1	0.0	41.0

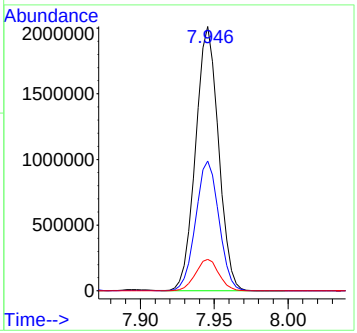


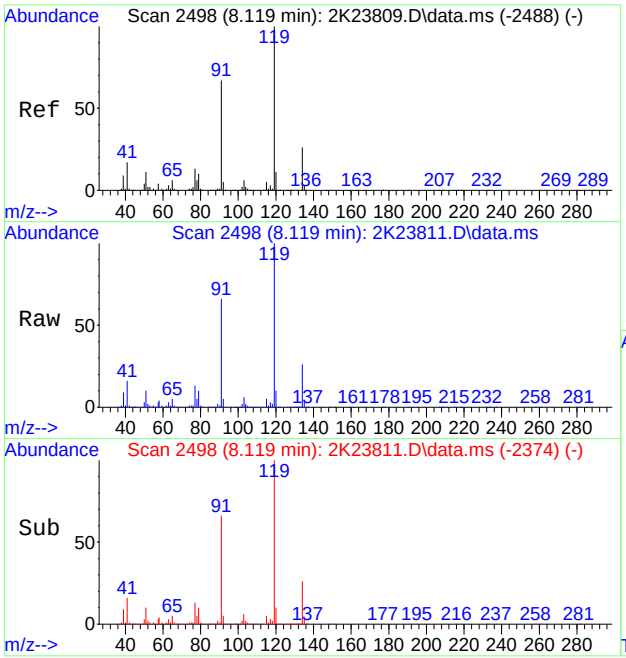


#105
1,3,5-trimethylbenzene
Concen: 101.78 ug/L
RT: 7.946 min Scan# 2444
Delta R.T. 0.000 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion:105 Resp: 2168136

Ion	Ratio	Lower	Upper
105	100		
120	49.0	19.0	79.0
119	11.9	0.0	42.0

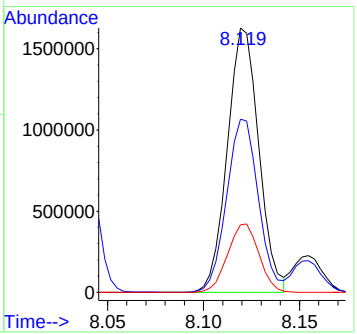


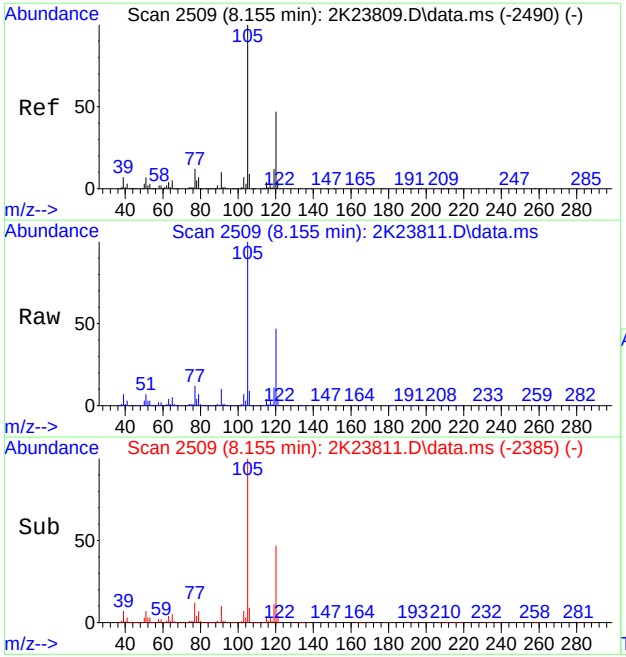


#106
tert-butylbenzene
Concen: 101.71 ug/L
RT: 8.119 min Scan# 2498
Delta R.T. 0.000 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion:119 Resp: 1861568

Ion	Ratio	Lower	Upper
119	100		
91	65.5	37.4	97.4
134	25.5	0.0	55.8

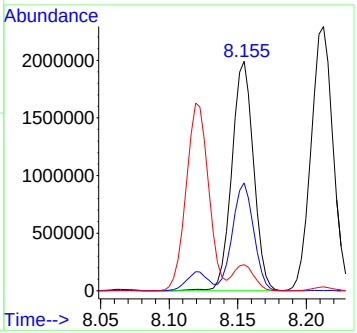


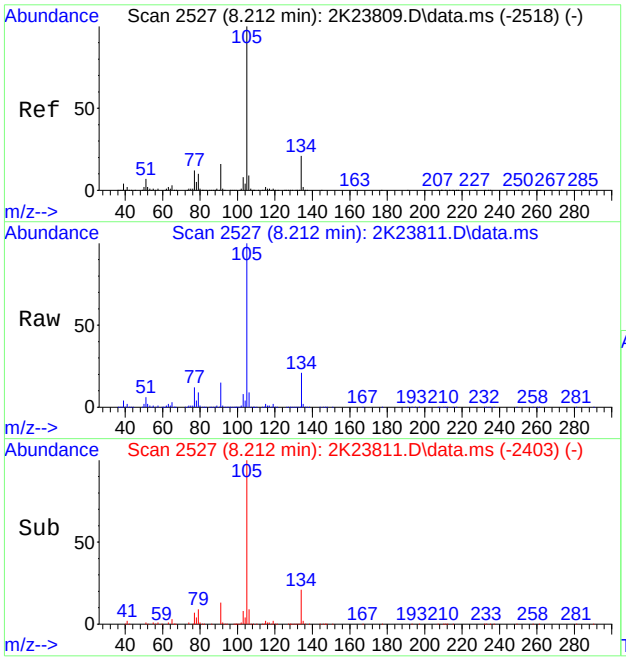


#107
1,2,4-trimethylbenzene
Concen: 104.22 ug/L
RT: 8.155 min Scan# 2509
Delta R.T. 0.000 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion:105 Resp: 2192998

Ion	Ratio	Lower	Upper
105	100		
120	47.1	16.8	76.8
119	11.4	0.0	42.0

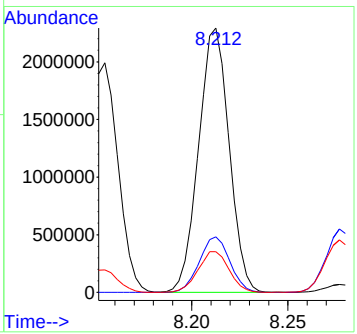


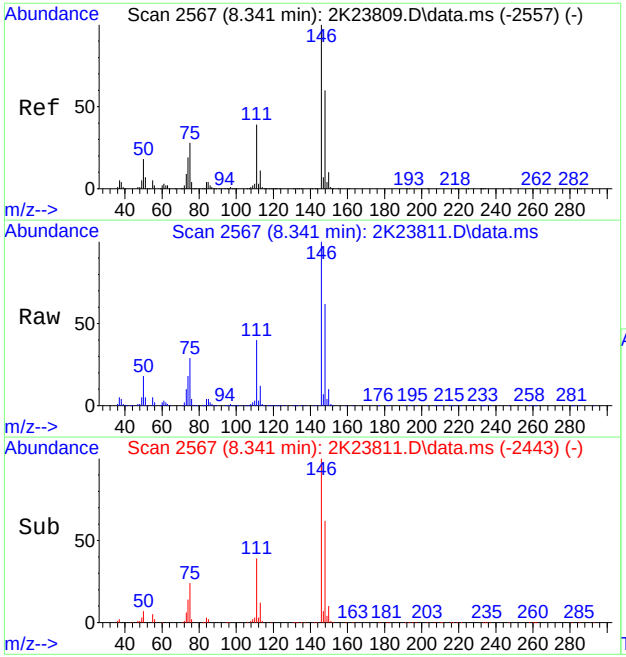


#108
sec-butylbenzene
Concen: 106.39 ug/L
RT: 8.212 min Scan# 2527
Delta R.T. 0.000 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion:105 Resp: 2543621

Ion	Ratio	Lower	Upper
105	100		
134	21.0	0.0	51.4
91	15.3	0.0	45.7

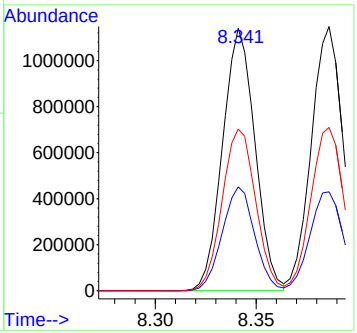


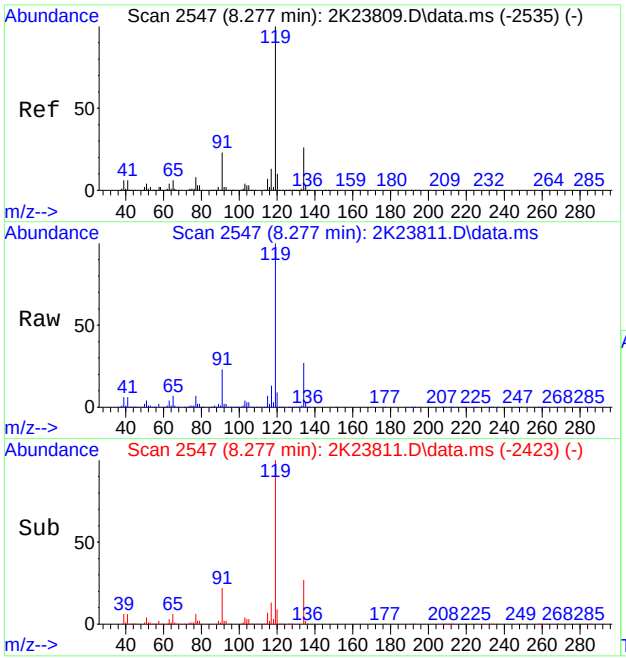


#109
1,3-dichlorobenzene
Concen: 100.73 ug/L
RT: 8.341 min Scan# 2567
Delta R.T. 0.000 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion:146 Resp: 1272157

Ion	Ratio	Lower	Upper
146	100		
111	39.6	8.6	68.6
148	61.6	29.8	89.8

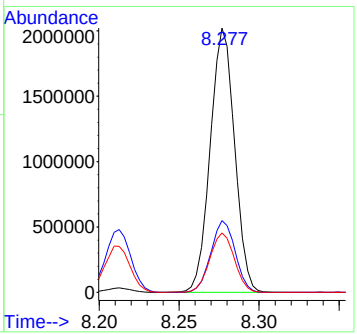


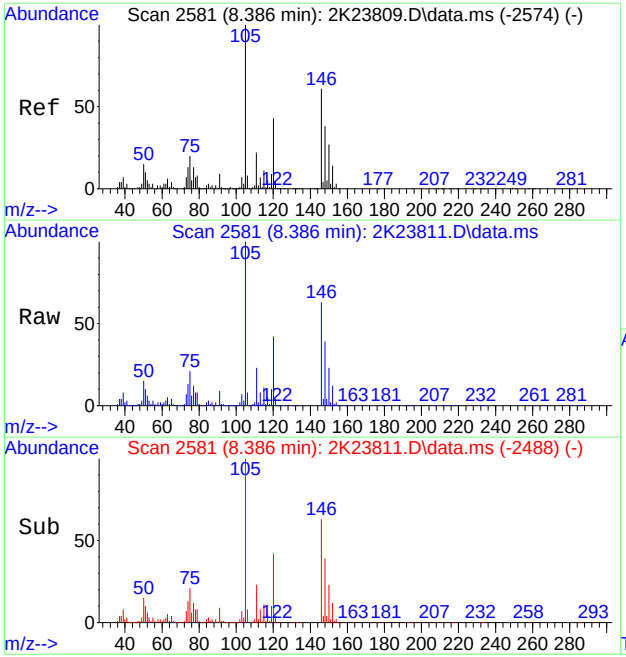


#110
p-isopropyltoluene
Concen: 102.01 ug/L
RT: 8.277 min Scan# 2547
Delta R.T. 0.000 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion:119 Resp: 2142183

Ion	Ratio	Lower	Upper
119	100		
134	27.2	0.0	56.0
91	22.5	0.0	53.4

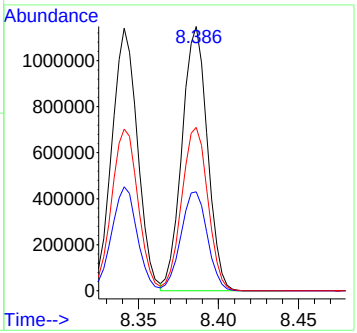


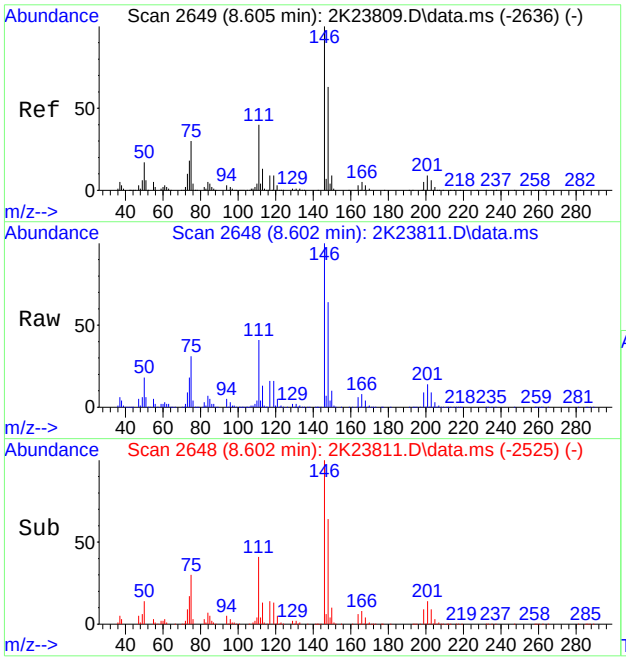


#111
1,4-dichlorobenzene
Concen: 100.39 ug/L
RT: 8.386 min Scan# 2581
Delta R.T. 0.000 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion:146 Resp: 1264366

Ion	Ratio	Lower	Upper
146	100		
111	37.5	6.3	66.3
148	61.8	32.9	92.9

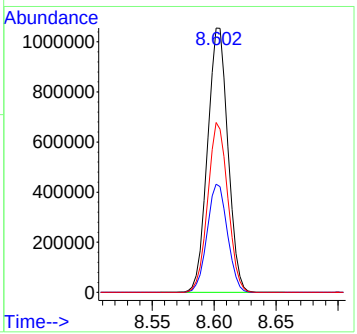


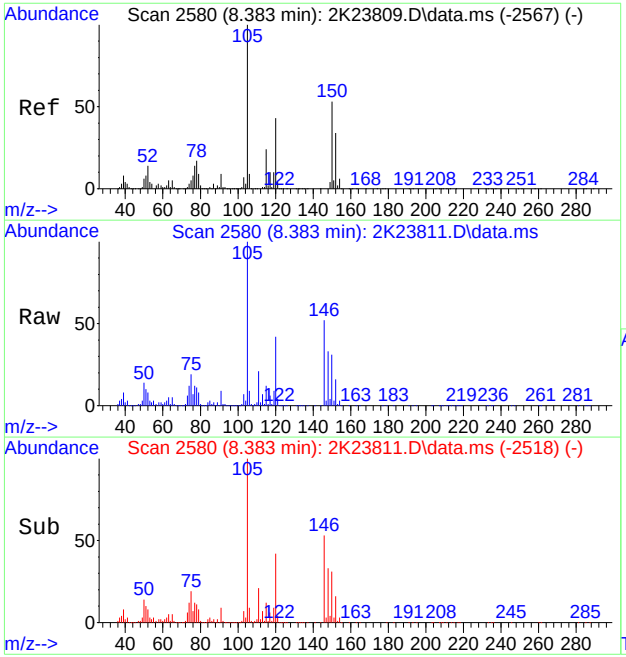


#112
1,2-dichlorobenzene
Concen: 100.25 ug/L
RT: 8.602 min Scan# 2648
Delta R.T. -0.003 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion:146 Resp: 1205730

Ion	Ratio	Lower	Upper
146	100		
111	40.9	10.0	70.0
148	64.3	33.3	93.3

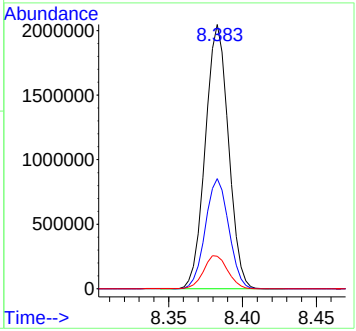


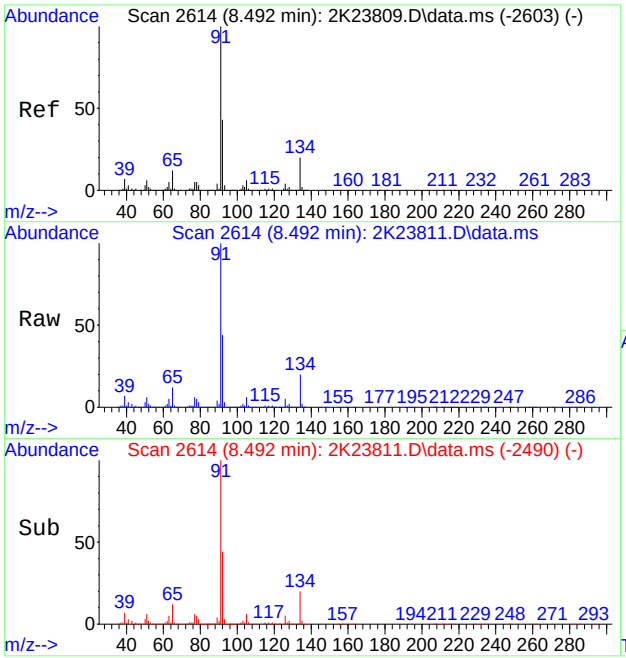


#113
1,2,3-trimethylbenzene
Concen: 100.47 ug/L
RT: 8.383 min Scan# 2580
Delta R.T. 0.000 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion:105 Resp: 2222565

Ion	Ratio	Lower	Upper
105	100		
120	41.7	13.3	73.3
77	12.3	0.0	43.9

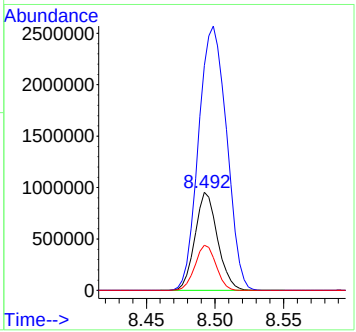


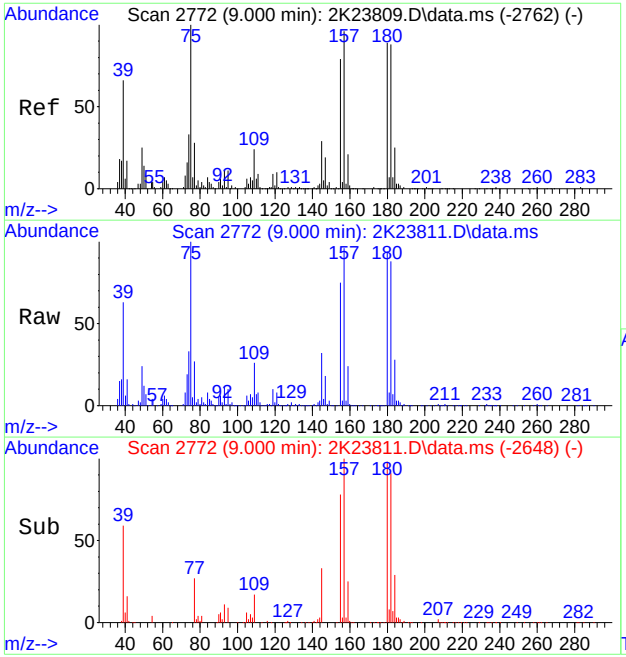


#114
n-butylbenzene
Concen: 104.67 ug/L
RT: 8.492 min Scan# 2614
Delta R.T. 0.000 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion: 92 Resp: 1087549

Ion	Ratio	Lower	Upper
92	100		
91	229.2	203.0	263.0
134	46.1	17.1	77.1

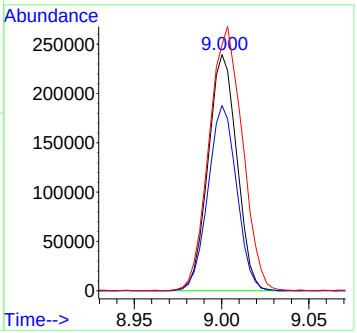


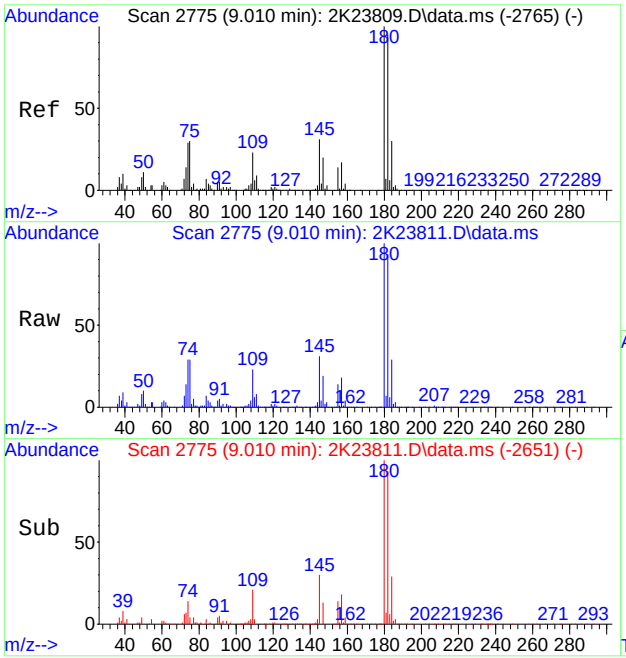


#115
1,2-dibromo-3-chloropropane
Concen: 99.96 ug/L
RT: 9.000 min Scan# 2772
Delta R.T. 0.000 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion:157 Resp: 274729

Ion	Ratio	Lower	Upper
157	100		
155	78.3	52.3	112.3
75	103.9	74.2	134.2

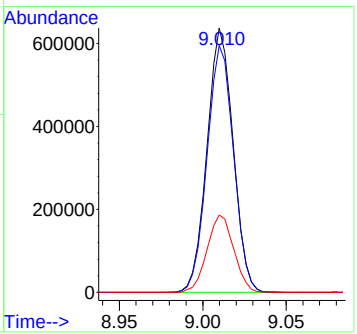


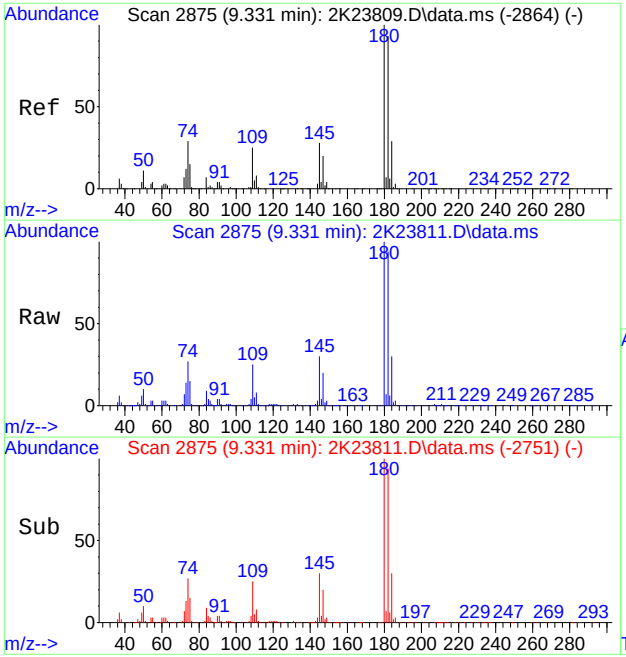


#116
1,3,5-trichlorobenzene
Concen: 99.93 ug/L
RT: 9.010 min Scan# 2775
Delta R.T. 0.000 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion:180 Resp: 691441

Ion	Ratio	Lower	Upper
180	100		
182	93.4	74.7	114.7
184	29.3	9.9	49.9

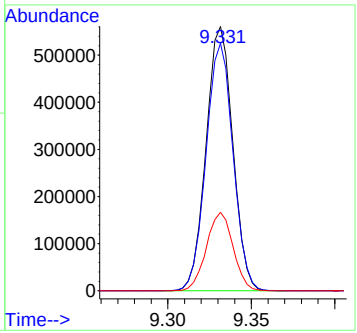


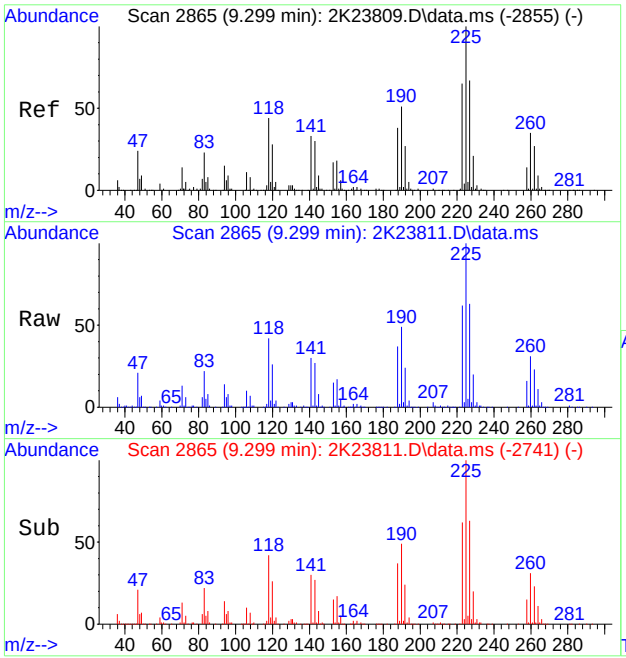


#117
1,2,4-trichlorobenzene
Concen: 103.25 ug/L
RT: 9.331 min Scan# 2875
Delta R.T. 0.000 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion:180 Resp: 623608

Ion	Ratio	Lower	Upper
180	100		
182	93.5	63.0	123.0
184	29.7	0.0	59.0

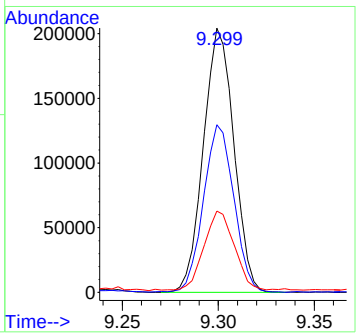


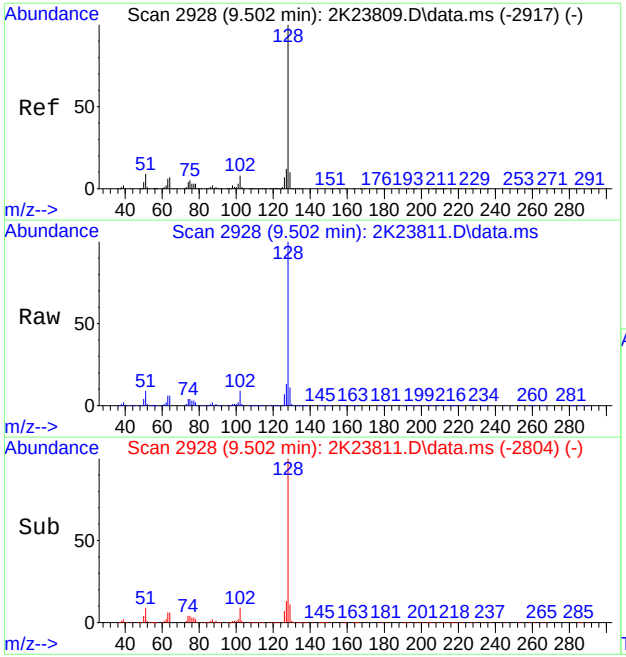


#118
hexachlorobutadiene
Concen: 101.25 ug/L
RT: 9.299 min Scan# 2865
Delta R.T. 0.000 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion:225 Resp: 226100

Ion	Ratio	Lower	Upper
225	100		
227	63.4	36.8	96.8
260	29.9	5.2	65.2

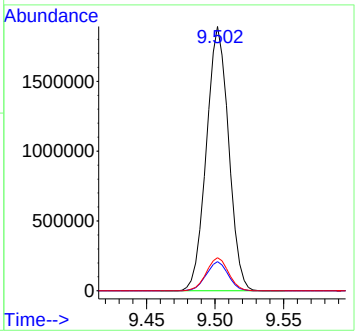


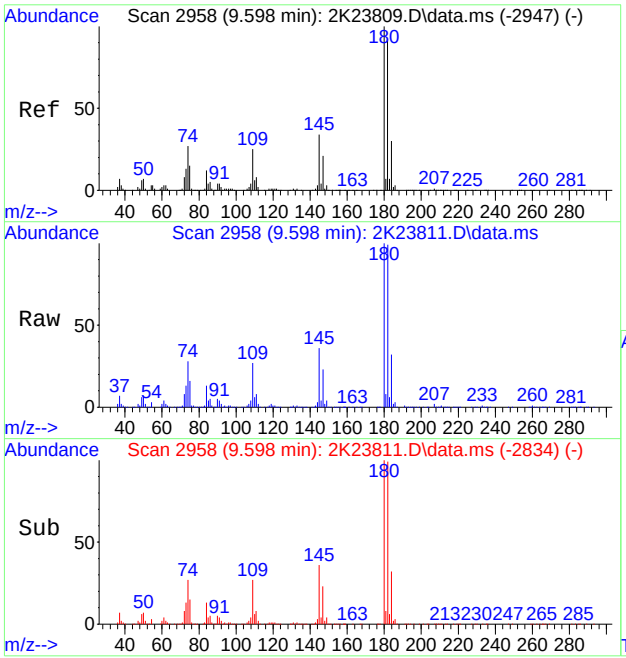


#119
naphthalene
Concen: 98.34 ug/L
RT: 9.502 min Scan# 2928
Delta R.T. 0.000 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion:128 Resp: 2132362

Ion	Ratio	Lower	Upper
128	100		
129	11.0	0.0	40.4
127	12.5	0.0	42.1

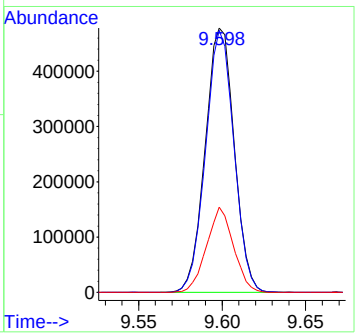


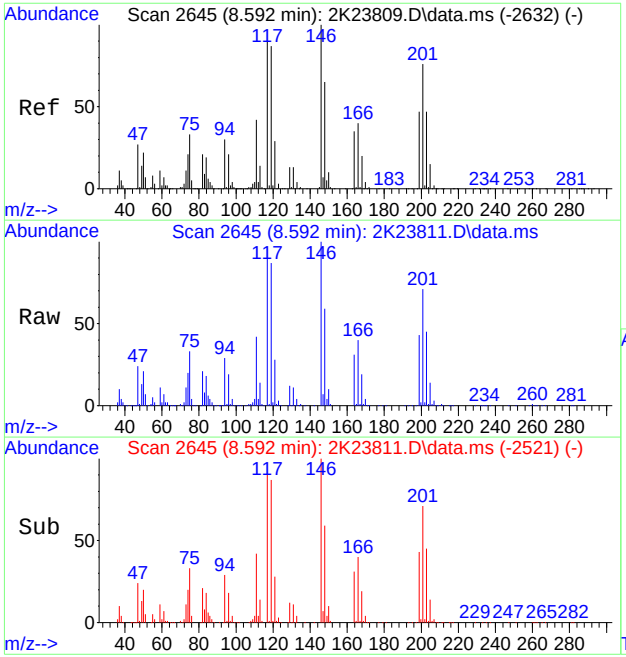


#120
1,2,3-trichlorobenzene
Concen: 100.40 ug/L
RT: 9.598 min Scan# 2958
Delta R.T. 0.000 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion:180 Resp: 578943

Ion	Ratio	Lower	Upper
180	100		
182	99.1	60.8	120.8
184	32.2	0.3	60.3

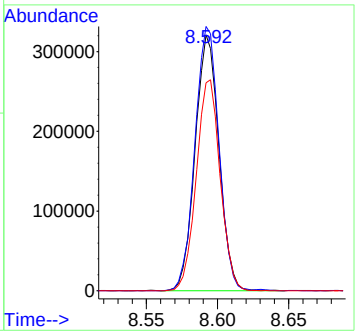


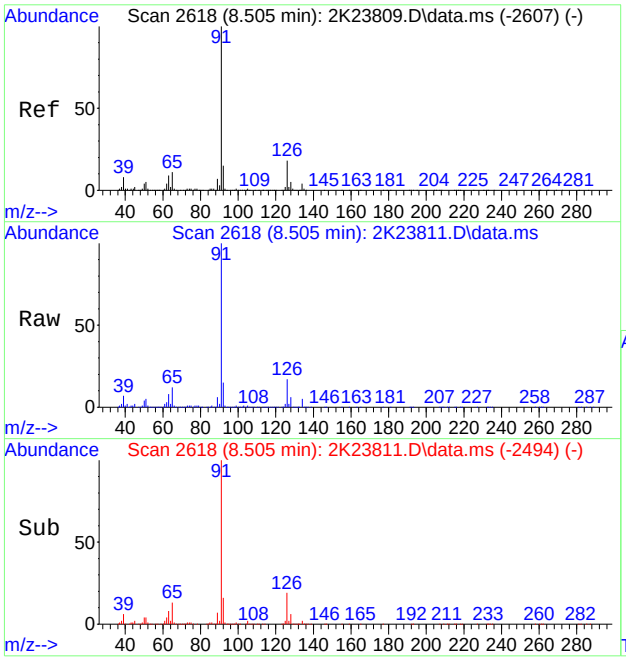


#121
hexachloroethane
Concen: 97.10 ug/L
RT: 8.592 min Scan# 2645
Delta R.T. 0.000 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion:119 Resp: 373644

Ion	Ratio	Lower	Upper
119	100		
117	103.3	72.5	132.5
201	81.3	56.6	116.6

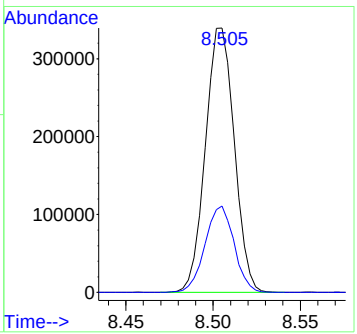


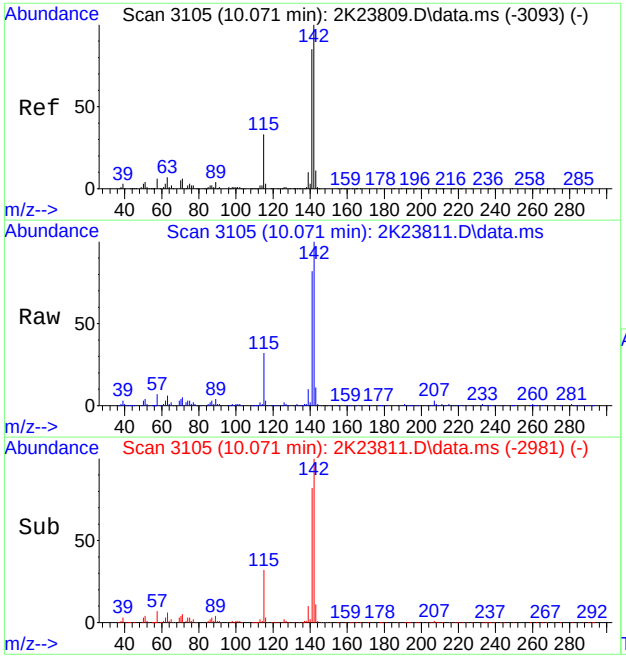


#122
benzyl chloride
Concen: 97.81 ug/L
RT: 8.505 min Scan# 2618
Delta R.T. 0.000 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion:126 Resp: 391717

Ion	Ratio	Lower	Upper
126	100		
128	32.7	1.1	61.1

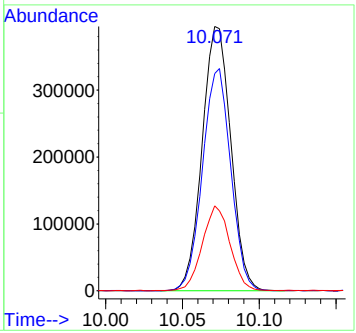




#123
2-methylnaphthalene
Concen: 47.07 ug/L
RT: 10.071 min Scan# 3105
Delta R.T. 0.000 min
Lab File: 2K23811.D
Acq: 6 Sep 2025 1:57 am

Tgt Ion:142 Resp: 513804

Ion	Ratio	Lower	Upper
142	100		
141	82.1	54.5	114.5
115	32.0	3.3	63.3



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 2K23813.D
Acq On : 6 Sep 2025 2:31 am
Operator : PrashanS
Sample : IC658-200
Misc : MS95614,V2K658,5,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 08 13:04:08 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 13:02:40 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	3.512	65	894461	500.00	ug/L	0.00
5) pentafluorobenzene	4.811	168	876090	50.00	ug/L	0.00
50) 1,4-difluorobenzene	5.174	114	1420545	50.00	ug/L	0.00
72) chlorobenzene-d5	7.110	117	1136996	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	8.376	152	532658	50.00	ug/L	0.00
124) pentafluorobenzene(a)	4.811	168	876090	50.00	ug/L	0.00
128) 1,4-dichlorobenzene-d4(a)	8.376	152	532658	50.00	ug/L	0.00
System Monitoring Compounds						
42) dibromofluoromethane (s)	4.531	113	370921	49.60	ug/L	0.00
Spiked Amount 50.000	Range 75 - 127		Recovery = 99.20%			
51) 1,2-dichloroethane-d4 (s)	4.885	65	461045	45.40	ug/L	0.00
Spiked Amount 50.000	Range 75 - 130		Recovery = 90.80%			
73) toluene-d8 (s)	6.122	98	1605845	51.39	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 102.78%			
97) 4-bromofluorobenzene (s)	7.791	95	573394	51.43	ug/L	0.00
Spiked Amount 50.000	Range 79 - 127		Recovery = 102.86%			
Target Compounds						Qvalue
2) ethanol	2.849	45	3986701	17322.0393	ug/L	100
3) tertiary butyl alcohol	3.563	59	1886212	920.3139	ug/L	96
4) 1,4-dioxane	5.688	88	677803	4583.8312	ug/L	94
6) chlorodifluoromethane	1.769	51	2108966	176.0758	ug/L	99
7) dichlorodifluoromethane	1.727	85	1579408	180.7089	ug/L	97
8) chloromethane	1.914	50	1790667	175.6989	ug/L	99
9) vinyl chloride	1.978	62	1651999	196.5821	ug/L	99
10) 1,3-butadiene	1.994	39	1489479	176.0847	ug/L	96
11) bromomethane	2.258	96	548819	205.9435	ug/L #	99
12) chloroethane	2.345	64	649217	150.7821	ug/L	96
13) trichlorofluoromethane	2.470	101	2096481	181.3513	ug/L	100
14) ethyl ether	2.730	74	813657	196.6281	ug/L	96
15) acrolein	3.155	56	440911	198.5550	ug/L	97
16) freon 113	2.923	151	977302	190.3111	ug/L	96
17) 1,1-dichloroethene	2.901	61	2068245	191.5239	ug/L	96
18) acetone	3.364	58	966663	724.1972	ug/L	87
19) acetonitrile	3.705	41	3484119	1716.3532	ug/L	98
20) iodomethane	3.023	142	1331473	235.6488	ug/L	98
21) carbon disulfide	2.939	76	3608651	197.1202	ug/L	99
22) methylene chloride	3.338	84	1202825	189.5123	ug/L	94
23) methyl acetate	3.444	74	359215	197.7633	ug/L #	64
24) methyl tert butyl ether	3.515	73	4145007	188.4047	ug/L	89
25) trans-1,2-dichloroethene	3.451	96	1249289	195.2087	ug/L	97
26) hexane	3.502	57	3185135	185.7550	ug/L	99
27) di-isopropyl ether	3.769	45	5264981	186.0377	ug/L	98
28) ethyl tert-butyl ether	4.013	59	4928534	195.4349	ug/L	98
29) 2-butanone	4.598	72	1200866	843.4949	ug/L	99
30) 1,1-dichloroethane	3.881	63	2488376	189.7185	ug/L	99
31) chloroprene	3.865	53	2693094	189.7756	ug/L	98
32) acrylonitrile	3.914	52	807748	193.2529	ug/L	97
33) vinyl acetate	4.026	86	356456	203.4467	ug/L #	75
34) ethyl acetate	4.460	70	243736	205.2453	ug/L	95
35) 2,2-dichloropropane	4.316	77	1933215	184.0492	ug/L	98
36) cis-1,2-dichloroethene	4.242	96	1286914	190.0244	ug/L	98
37) propionitrile	4.807	54	4108390	1827.3109	ug/L	95
38) methyl acrylate	4.479	85	326089	208.4900	ug/L #	91
39) bromochloromethane	4.377	128	567983	191.8703	ug/L	85
40) tetrahydrofuran	4.521	71	283902	190.4330	ug/L #	86

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 2K23813.D
Acq On : 6 Sep 2025 2:31 am
Operator : PrashanS
Sample : IC658-200
Misc : MS95614,V2K658,5,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 08 13:04:08 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 13:02:40 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) chloroform	4.409	83	2235718	179.5644 ug/L	98
43) methacrylonitrile	4.814	67	816218	181.8942 ug/L	98
44) 1,1,1-trichloroethane	4.560	97	1964727	185.5612 ug/L	99
45) cyclohexane	4.386	84	1916626	203.4400 ug/L	96
46) 1,1-dichloropropene	4.637	75	1864554	203.3813 ug/L	98
47) carbon tetrachloride	4.518	117	1797991	186.1367 ug/L	97
49) tert-amyl alcohol	4.955	55	665738	917.9150 ug/L	98
52) iso-octane	4.695	57	5174608	192.0589 ug/L	95
53) benzene	4.798	78	5215236	193.9277 ug/L	90
54) tert-amyl methyl ether	4.846	73	4409799	192.8786 ug/L	99
55) heptane	4.743	57	759998	193.6081 ug/L	93
56) isopropyl acetate	5.036	87	448068	204.8111 ug/L	94
57) 1,2-dichloroethane	4.926	62	1889660	172.6155 ug/L	97
58) n-butyl alcohol	5.335	56	5512976	9154.5065 ug/L	95
59) ethyl acrylate	5.476	55	2883297	196.0588 ug/L	99
60) trichloroethene	5.168	130	1310363	200.5545 ug/L	97
61) 2-nitropropane	6.312	41	666502	169.7055 ug/L	94
62) 2-chloroethyl vinyl ether	5.926	63	5313775	1067.2214 ug/L	99
63) methyl methacrylate	5.621	100	520379	204.8578 ug/L #	85
64) 1,2-dichloropropane	5.515	63	1412940	187.8245 ug/L	97
65) methylcyclohexane	5.171	98	958015	200.9659 ug/L	91
66) dibromomethane	5.454	93	777098	185.7720 ug/L	96
67) bromodichloromethane	5.544	83	1699499	188.6647 ug/L	96
68) epichlorohydrin	6.158	57	1516817	901.2671 ug/L	99
69) cis-1,3-dichloropropene	5.994	75	2217995	193.6103 ug/L	93
70) 4-methyl-2-pentanone	6.389	58	3642298	741.8104 ug/L	92
71) 3-methyl-1-butanol	6.229	70	1740087	3721.1466 ug/L	95
74) toluene	6.158	92	3221740	196.6773 ug/L	99
75) ethyl methacrylate	6.495	69	2088305	204.4259 ug/L	96
76) trans-1,3-dichloropropene	6.425	75	2155573	200.2124 ug/L	97
77) 1,1,2-trichloroethane	6.531	83	1000640	201.7232 ug/L	96
78) tetrachloroethene	6.422	166	1251474	199.7684 ug/L	99
79) 2-hexanone	6.910	58	3878137	752.7480 ug/L	97
80) 1,3-dichloropropane	6.711	76	2195435	203.5944 ug/L	98
81) butyl acetate	6.836	56	1447357	192.7433 ug/L	96
82) dibromochloromethane	6.656	129	1335376	208.4872 ug/L	97
83) 1,2-dibromoethane	6.817	107	1265832	210.5427 ug/L	98
84) n-butyl ether	7.016	57	6917801	202.1900 ug/L	99
85) chlorobenzene	7.122	112	3345721	196.3268 ug/L	97
86) 1,1,1,2-tetrachloroethane	7.151	131	1261584	209.5616 ug/L	99
87) ethylbenzene	7.122	91	6068934	193.3019 ug/L	97
88) m,p-xylene	7.206	106	4655105	406.5135 ug/L	96
89) o-xylene	7.454	106	2222983	199.1771 ug/L	97
90) styrene	7.483	104	3898556	206.3985 ug/L	98
91) bromoform	7.515	173	1007371	196.3617 ug/L	99
92) butyl acrylate	7.524	55	3685170	191.5086 ug/L	99
93) isopropylbenzene	7.624	105	5691716	205.8269 ug/L	98
94) n-amyl acetate	7.663	70	1226688	198.6866 ug/L	96
95) cis-1,4-dichloro-2-butene	7.814	88	872317	196.4104 ug/L	97
98) bromobenzene	7.859	156	1351248	197.7284 ug/L	99
99) 1,1,2,2-tetrachloroethane	7.884	83	1783934	202.3319 ug/L	99
100) trans-1,4-dichloro-2-b...	7.981	53	765296	187.9571 ug/L	89
101) 1,2,3-trichloropropane	7.968	110	591224	197.5257 ug/L	98
102) n-propylbenzene	7.849	91	6607192	212.2816 ug/L	98
103) 2-chlorotoluene	7.949	126	1283721	200.4954 ug/L	94
104) 4-chlorotoluene	8.036	91	4205824	205.5760 ug/L	99
105) 1,3,5-trimethylbenzene	7.946	105	4438930	208.3540 ug/L	99
106) tert-butylbenzene	8.119	119	3753416	205.0777 ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 2K23813.D
Acq On : 6 Sep 2025 2:31 am
Operator : PrashanS
Sample : IC658-200
Misc : MS95614,V2K658,5,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 08 13:04:08 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 13:02:40 2025
Response via : Initial Calibration

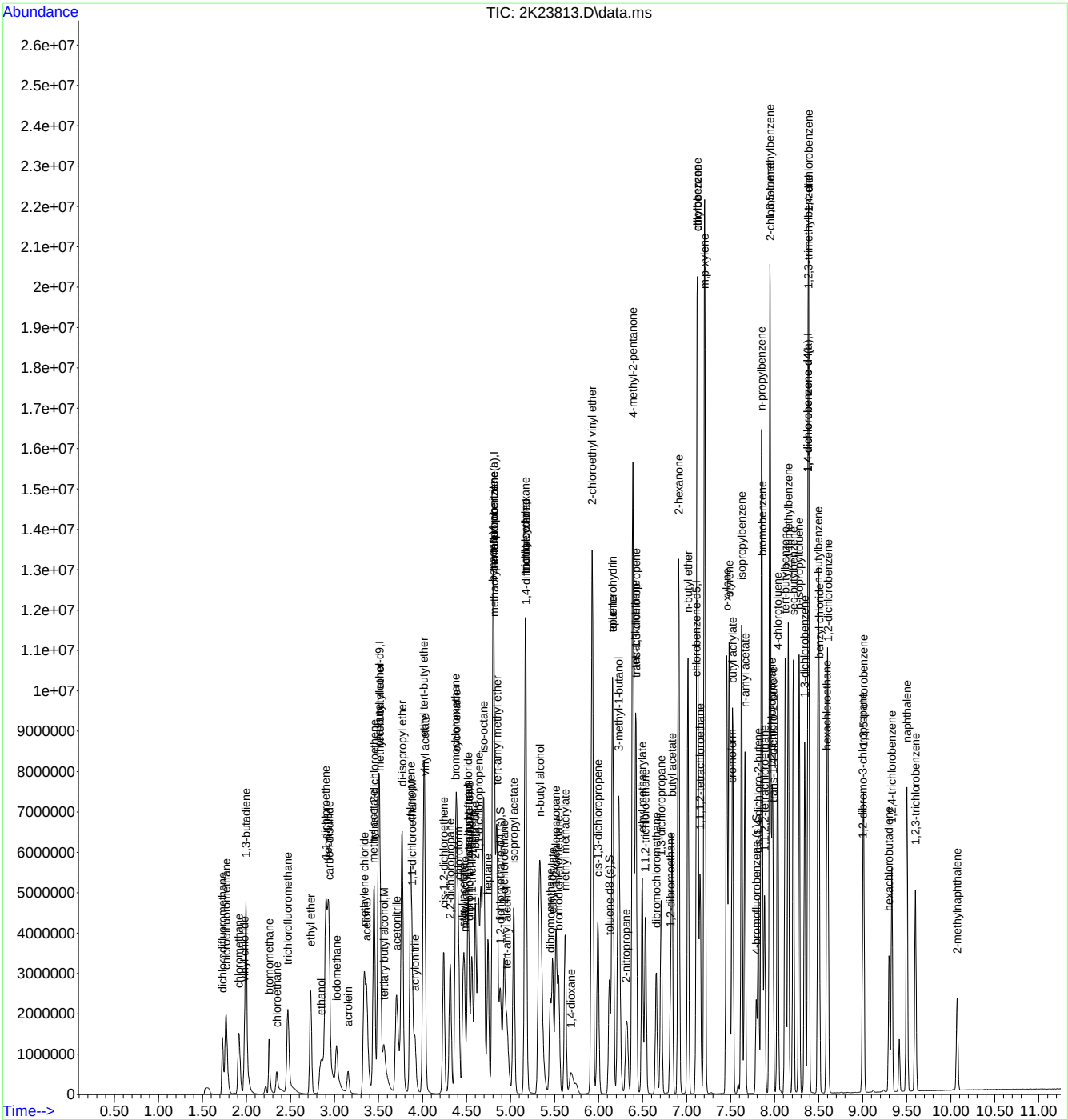
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
107) 1,2,4-trimethylbenzene	8.155	105	4503148	213.4108	ug/L	99
108) sec-butylbenzene	8.212	105	5214886	216.9881	ug/L	98
109) 1,3-dichlorobenzene	8.341	146	2567534	203.5175	ug/L	96
110) p-isopropyltoluene	8.277	119	4435991	211.1575	ug/L	99
111) 1,4-dichlorobenzene	8.386	146	2554886	203.1297	ug/L	99
112) 1,2-dichlorobenzene	8.605	146	2460522	204.9000	ug/L	99
113) 1,2,3-trimethylbenzene	8.383	105	4573544	207.0160	ug/L	97
114) n-butylbenzene	8.492	92	2270491	217.8043	ug/L	97
115) 1,2-dibromo-3-chloropr...	9.000	157	555051	202.3497	ug/L	97
116) 1,3,5-trichlorobenzene	9.010	180	1414291	204.7938	ug/L	99
117) 1,2,4-trichlorobenzene	9.331	180	1262575	208.5820	ug/L	95
118) hexachlorobutadiene	9.299	225	460291	206.1479	ug/L	94
119) naphthalene	9.502	128	4377970	202.7085	ug/L	100
120) 1,2,3-trichlorobenzene	9.598	180	1172592	203.6339	ug/L	96
121) hexachloroethane	8.592	119	764411	199.8507	ug/L	97
122) benzyl chloride	8.505	126	777469	195.1084	ug/L	97
123) 2-methylnaphthalene	10.071	142	920472	85.1018	ug/L	94

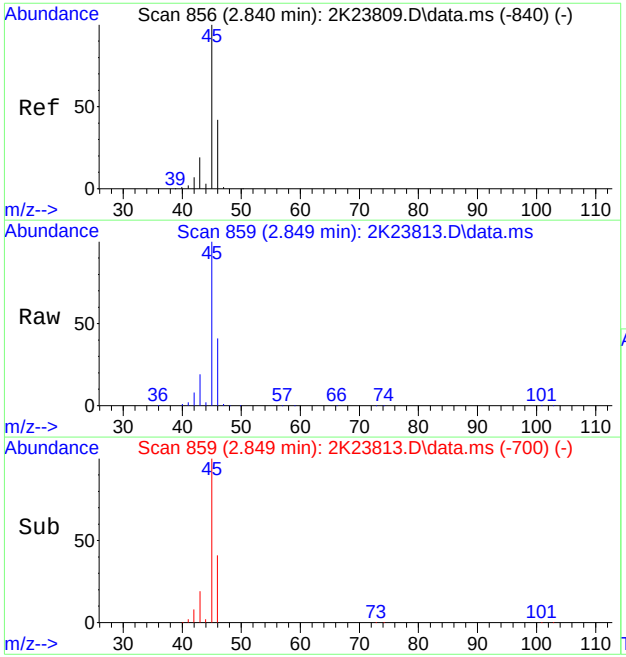
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 2K23813.D
Acq On : 6 Sep 2025 2:31 am
Operator : PrashanS
Sample : IC658-200
Misc : MS95614,V2K658,5,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 08 13:04:08 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 13:02:40 2025
Response via : Initial Calibration

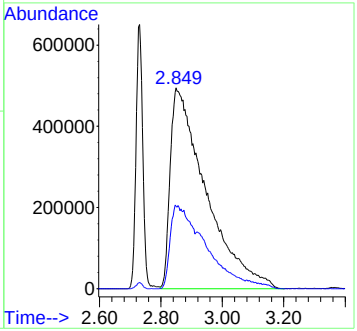


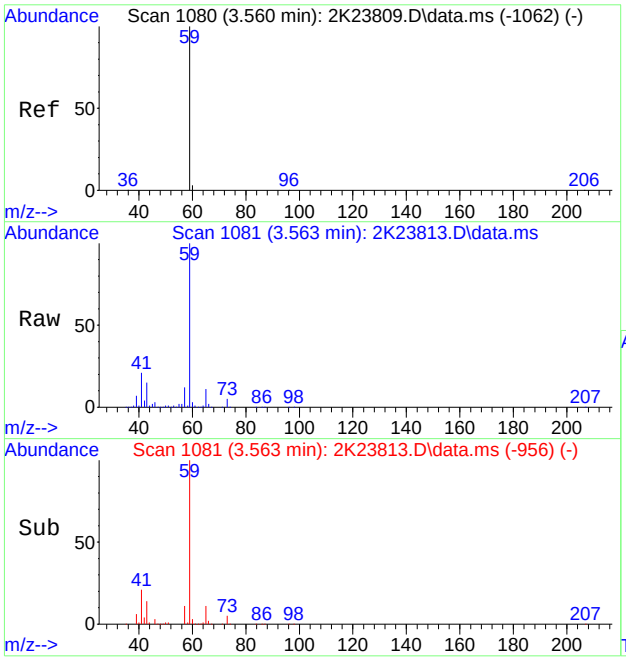


#2
ethanol
Concen: 17322.04 ug/L
RT: 2.849 min Scan# 859
Delta R.T. 0.010 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion: 45 Resp: 3986701

Ion	Ratio	Lower	Upper
45	100		
46	41.1	21.3	61.3

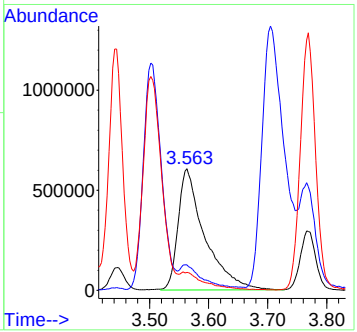


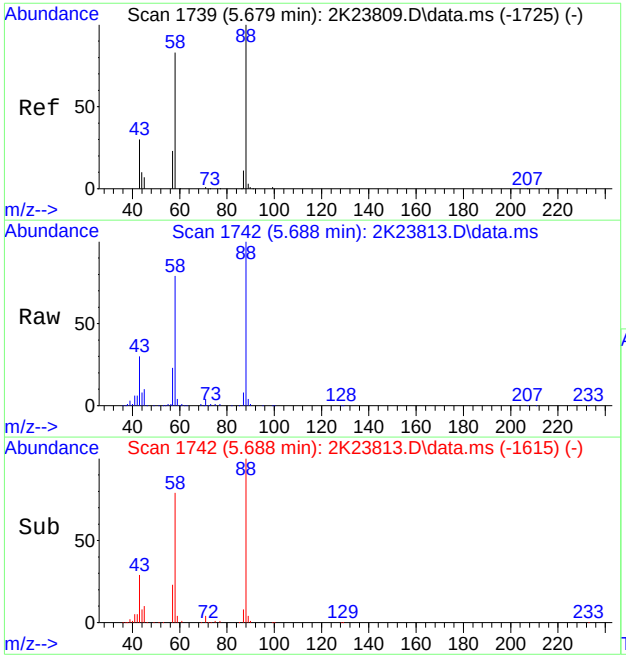


#3
tertiary butyl alcohol
Concen: 920.31 ug/L
RT: 3.563 min Scan# 1081
Delta R.T. 0.003 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion: 59 Resp: 1886212

Ion	Ratio	Lower	Upper
59	100		
41	0.0	0.0	30.0
43	13.9	0.0	45.5

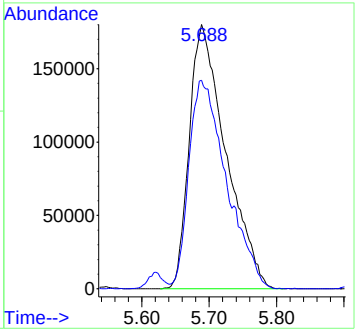


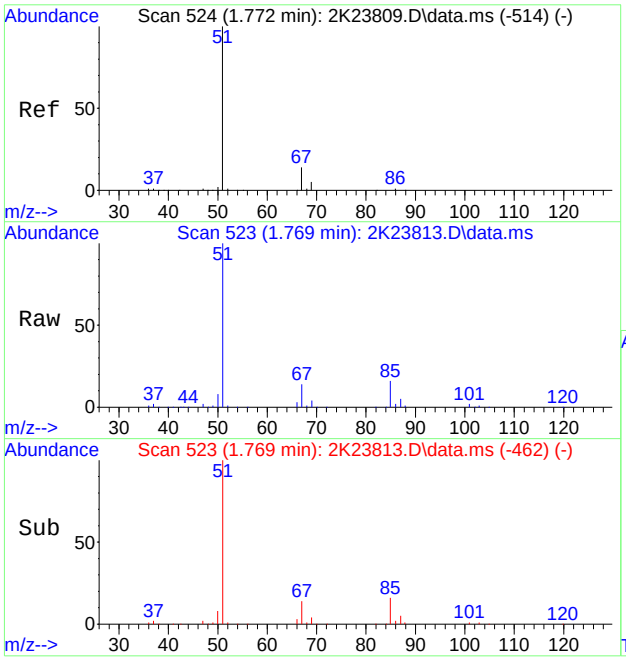


#4
1,4-dioxane
Concen: 4583.83 ug/L
RT: 5.688 min Scan# 1742
Delta R.T. 0.010 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion: 88 Resp: 677803

Ion	Ratio	Lower	Upper
88	100		
58	78.7	64.5	104.5

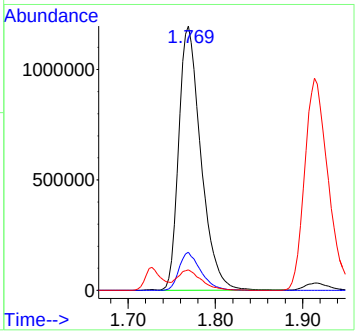


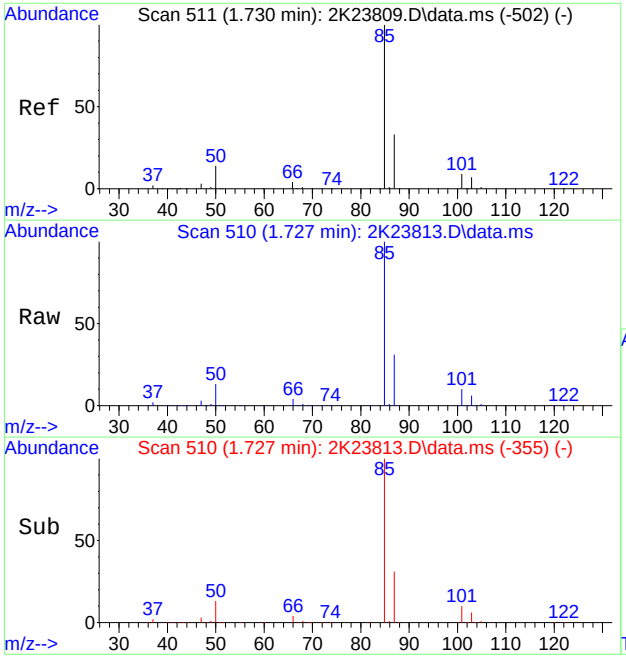


#6
chlorodifluoromethane
Concen: 176.08 ug/L
RT: 1.769 min Scan# 523
Delta R.T. -0.003 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion: 51 Resp: 2108966

Ion	Ratio	Lower	Upper
51	100		
67	14.4	0.0	44.0
50	7.6	0.0	37.4

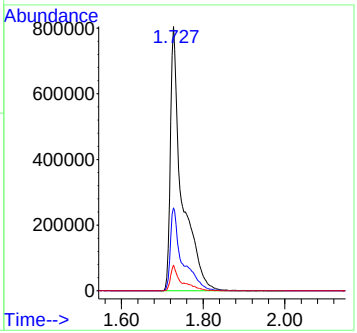


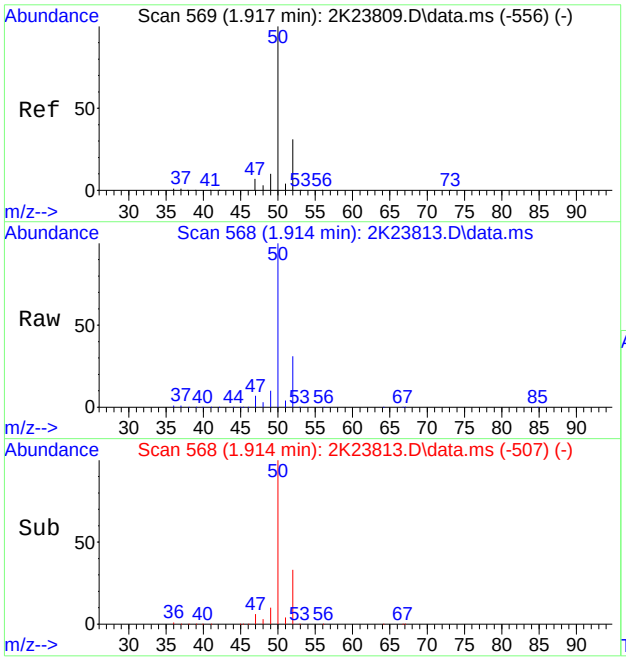


#7
dichlorodifluoromethane
Concen: 180.71 ug/L
RT: 1.727 min Scan# 510
Delta R.T. -0.003 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion: 85 Resp: 1579408

Ion	Ratio	Lower	Upper
85	100		
87	31.4	3.4	63.4
101	9.7	0.0	39.0

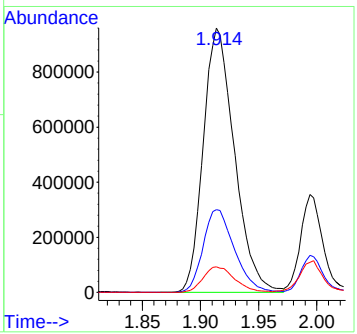


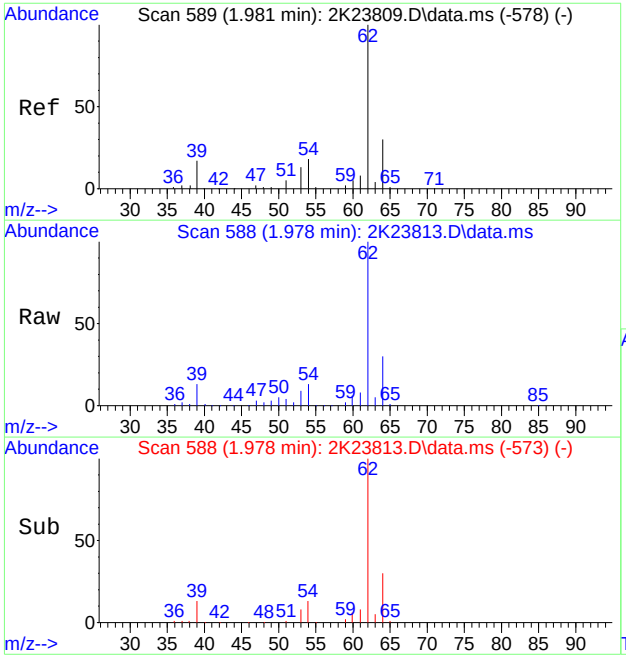


#8
chloromethane
Concen: 175.70 ug/L
RT: 1.914 min Scan# 568
Delta R.T. -0.003 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion: 50 Resp: 1790667

Ion	Ratio	Lower	Upper
50	100		
52	31.3	0.8	60.8
49	9.6	0.0	40.1

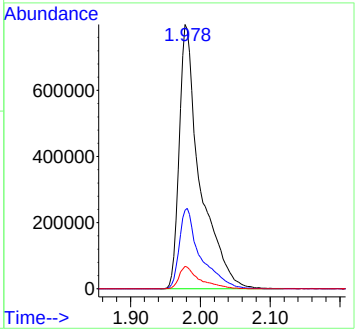


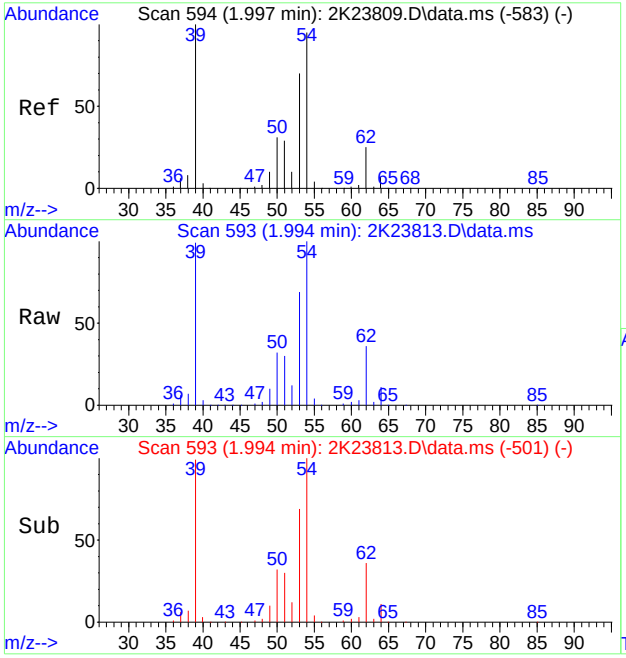


#9
vinyl chloride
Concen: 196.58 ug/L
RT: 1.978 min Scan# 588
Delta R.T. -0.003 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion: 62 Resp: 1651999

Ion	Ratio	Lower	Upper
62	100		
64	29.7	0.0	60.0
61	8.5	0.0	37.6

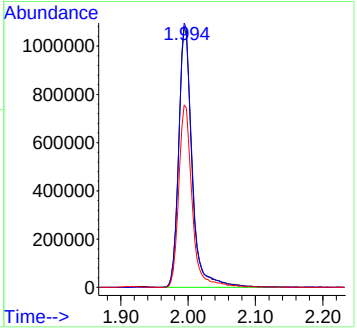


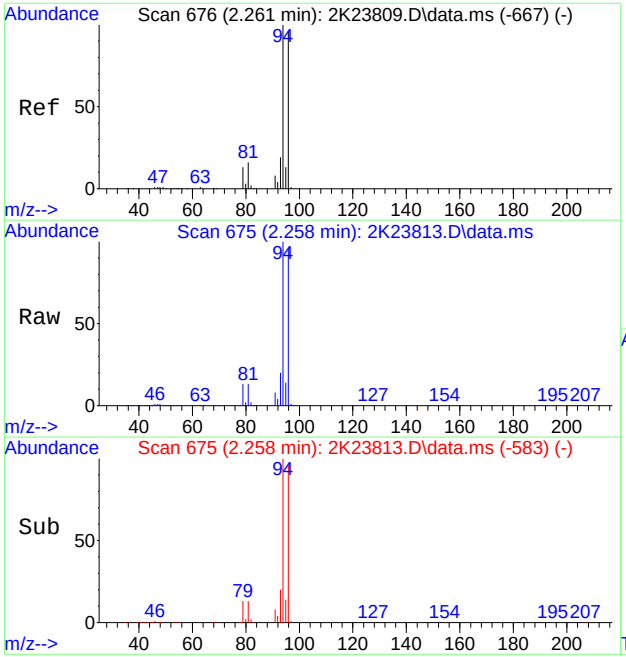


#10
1,3-butadiene
Concen: 176.08 ug/L
RT: 1.994 min Scan# 593
Delta R.T. -0.003 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion: 39 Resp: 1489479

Ion	Ratio	Lower	Upper
39	100		
54	101.4	65.4	125.4
53	69.9	40.3	100.3

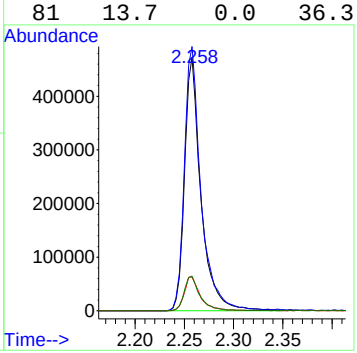


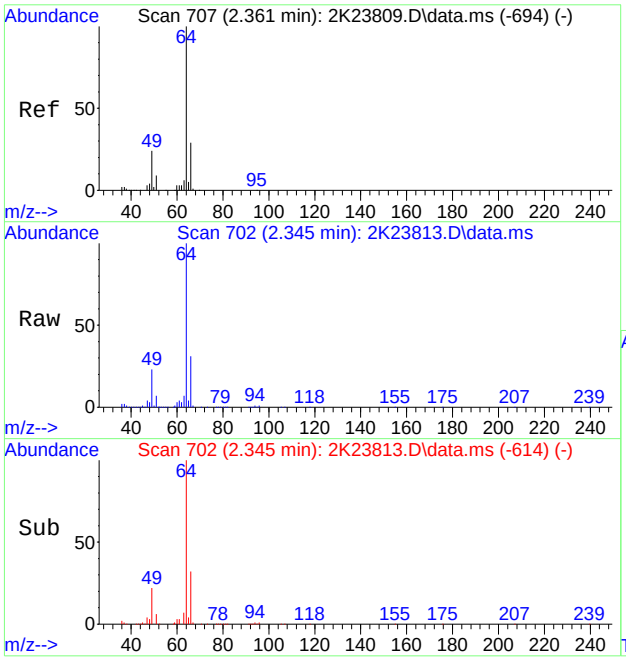


#11
bromomethane
Concen: 205.94 ug/L
RT: 2.258 min Scan# 675
Delta R.T. -0.003 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion: 96 Resp: 548819

Ion	Ratio	Lower	Upper
96	100		
94	104.3	74.5	134.5
79	13.3	13.7	13.7#
81	13.7	0.0	36.3

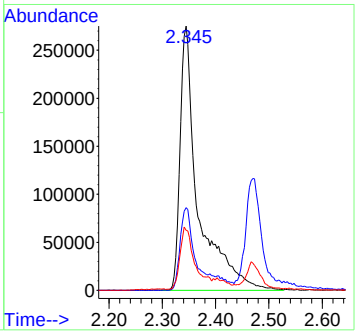


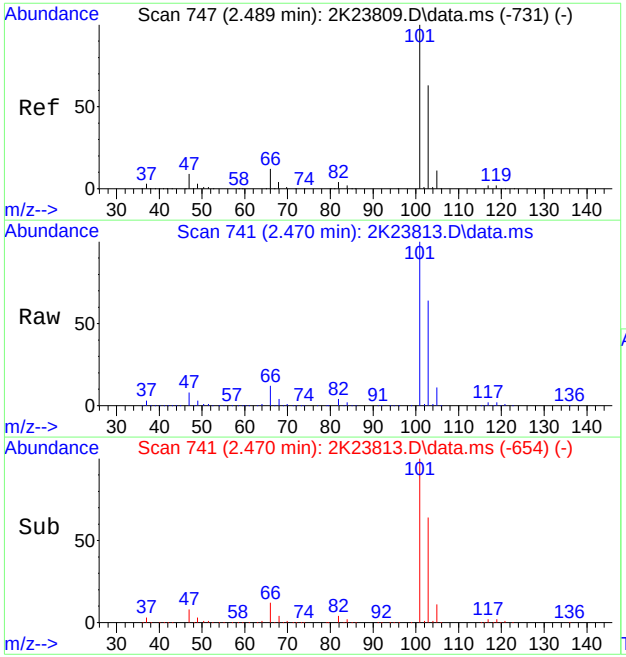


#12
chloroethane
Concen: 150.78 ug/L
RT: 2.345 min Scan# 702
Delta R.T. -0.016 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion: 64 Resp: 649217

Ion	Ratio	Lower	Upper
64	100		
66	31.2	0.0	59.3
49	22.2	0.0	54.3

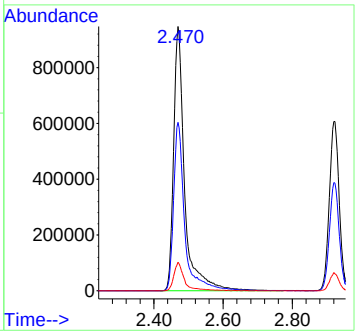


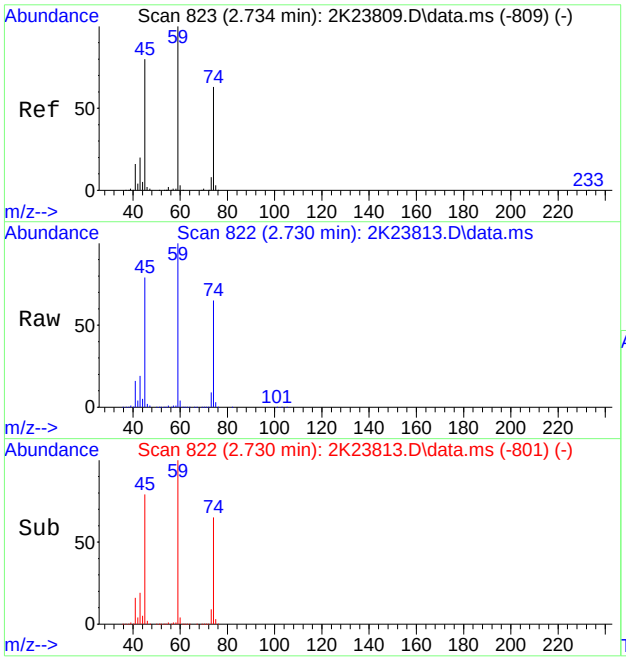


#13
trichlorofluoromethane
Concen: 181.35 ug/L
RT: 2.470 min Scan# 741
Delta R.T. -0.019 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion:101 Resp: 2096481

Ion	Ratio	Lower	Upper
101	100		
103	63.7	33.3	93.3
105	10.8	0.0	40.7

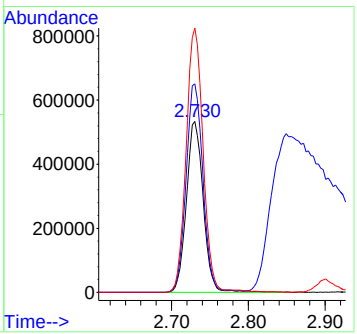


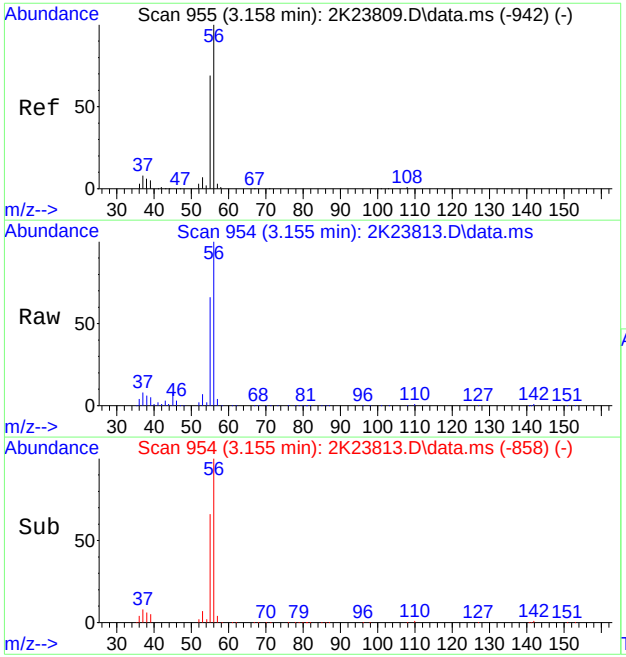


#14
ethyl ether
Concen: 196.63 ug/L
RT: 2.730 min Scan# 822
Delta R.T. -0.003 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion: 74 Resp: 813657

Ion	Ratio	Lower	Upper
74	100		
45	122.0	96.7	156.7
59	154.6	128.9	188.9

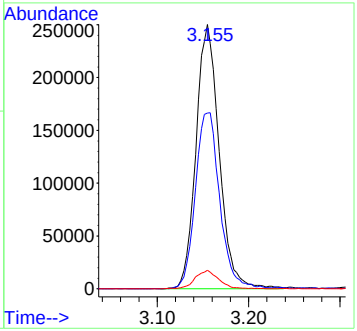


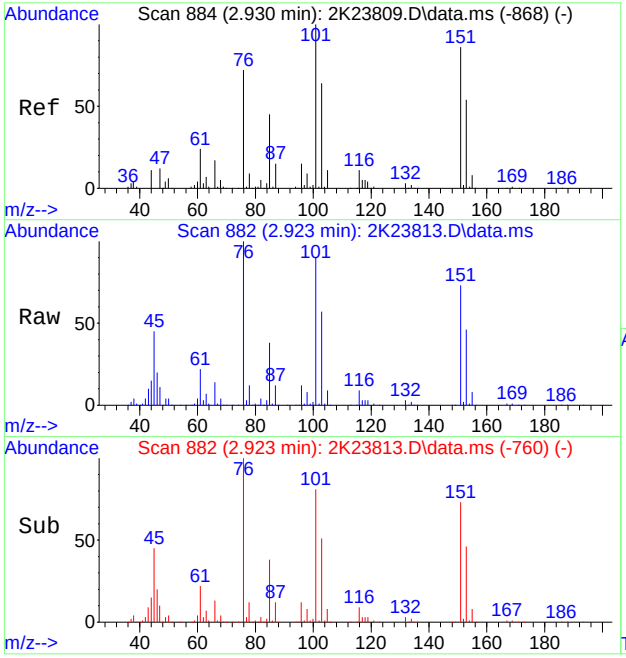


#15
acrolein
Concen: 198.55 ug/L
RT: 3.155 min Scan# 954
Delta R.T. -0.003 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion: 56 Resp: 440911

Ion	Ratio	Lower	Upper
56	100		
55	66.4	38.7	98.7
53	7.0	0.0	37.4

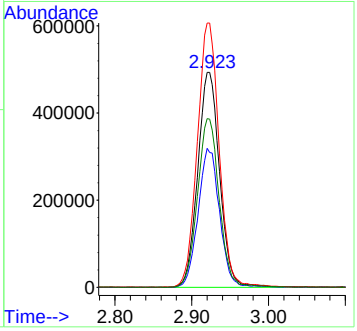


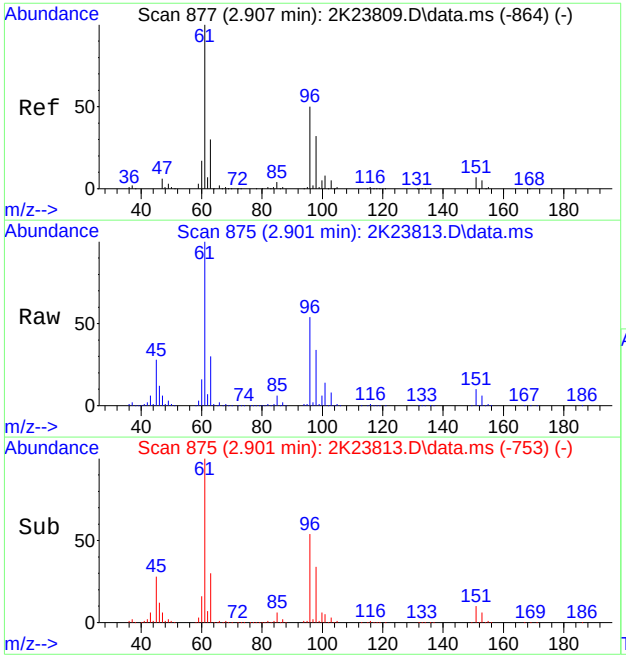


#16
freon 113
Concen: 190.31 ug/L
RT: 2.923 min Scan# 882
Delta R.T. -0.006 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion:151 Resp: 977302

Ion	Ratio	Lower	Upper
151	100		
153	62.7	43.0	83.0
101	122.8	95.9	135.9
103	78.1	54.3	94.3

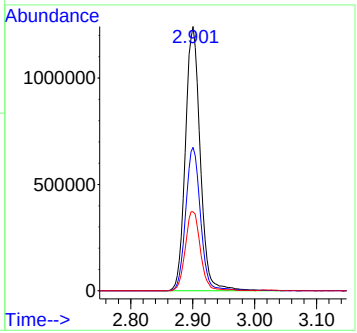


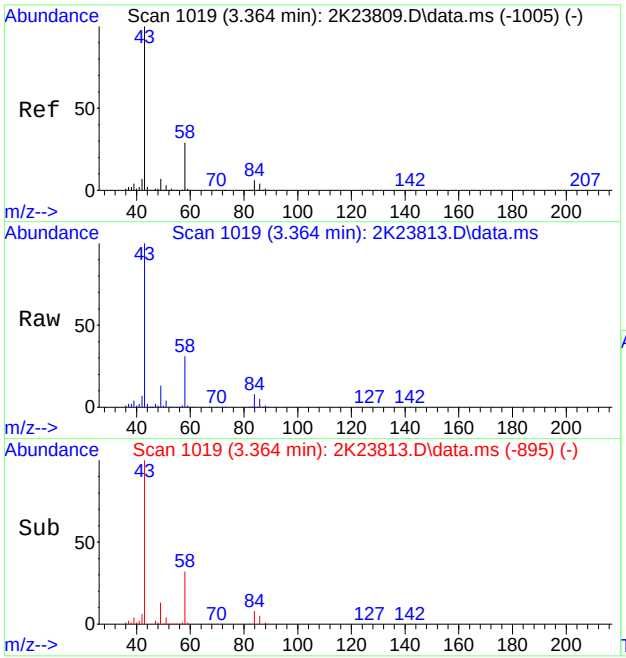


#17
1,1-dichloroethene
Concen: 191.52 ug/L
RT: 2.901 min Scan# 875
Delta R.T. -0.006 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion: 61 Resp: 2068245

Ion	Ratio	Lower	Upper
61	100		
96	54.3	19.8	79.8
63	29.9	0.4	60.4

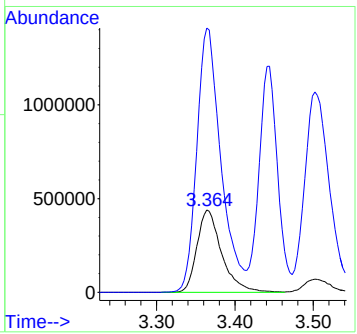


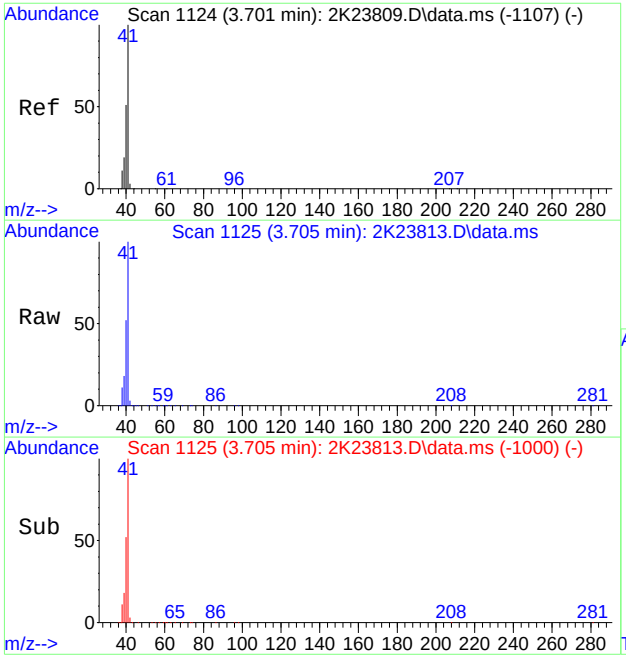


#18
acetone
Concen: 724.20 ug/L
RT: 3.364 min Scan# 1019
Delta R.T. -0.000 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion: 58 Resp: 966663

Ion	Ratio	Lower	Upper
58	100		
43	320.4	317.9	377.9

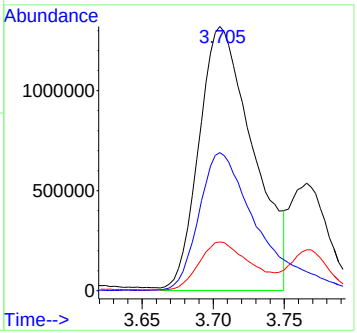


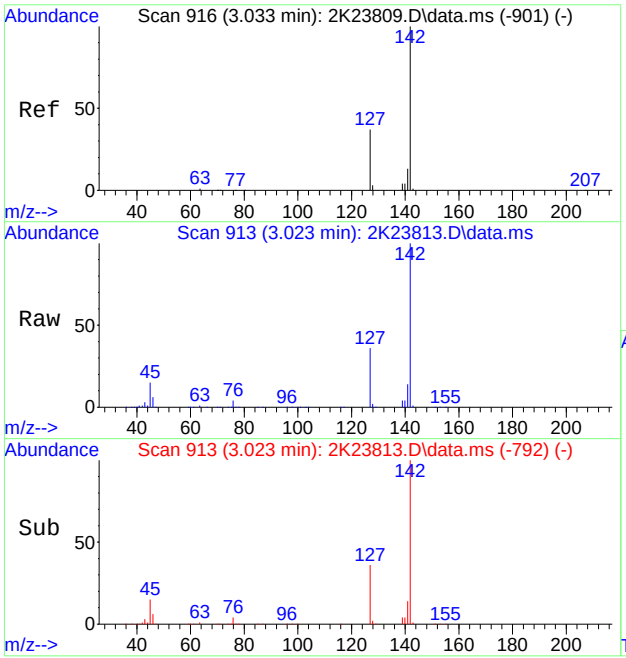


#19
acetonitrile
Concen: 1716.35 ug/L
RT: 3.705 min Scan# 1125
Delta R.T. 0.003 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion: 41 Resp: 3484119

Ion	Ratio	Lower	Upper
41	100		
40	52.5	20.7	80.7
39	18.3	0.0	48.9

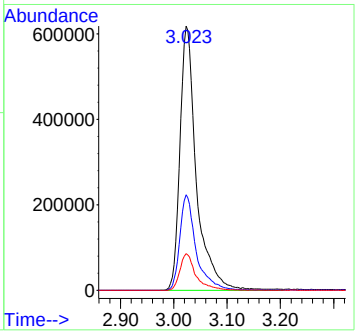


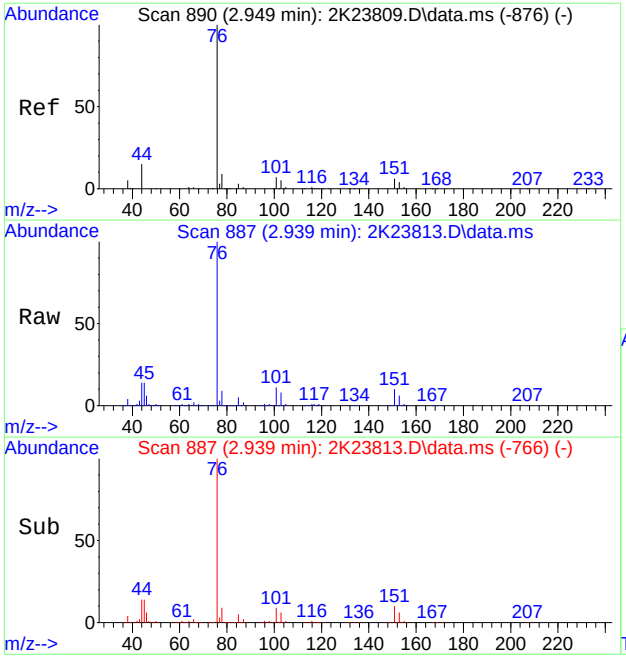


#20
iodomethane
Concen: 235.65 ug/L
RT: 3.023 min Scan# 913
Delta R.T. -0.010 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion:142 Resp: 1331473

Ion	Ratio	Lower	Upper
142	100		
127	36.2	7.2	67.2
141	13.9	0.0	43.3

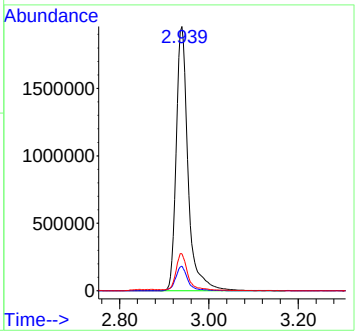


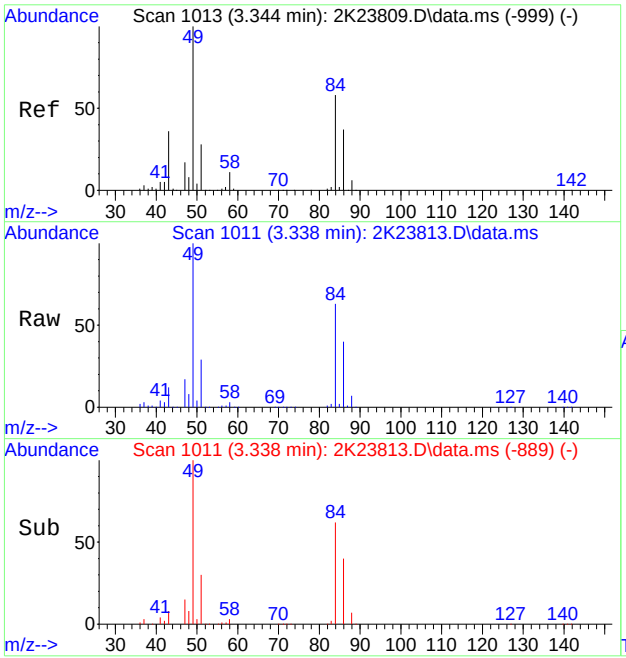


#21
carbon disulfide
Concen: 197.12 ug/L
RT: 2.939 min Scan# 887
Delta R.T. -0.010 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion: 76 Resp: 3608651

Ion	Ratio	Lower	Upper
76	100		
78	9.4	0.0	39.4
44	14.0	0.0	44.9

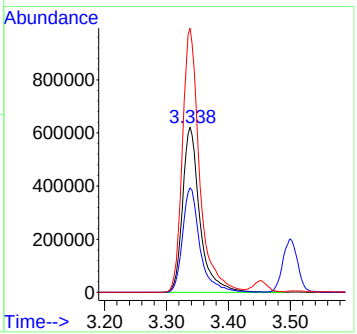


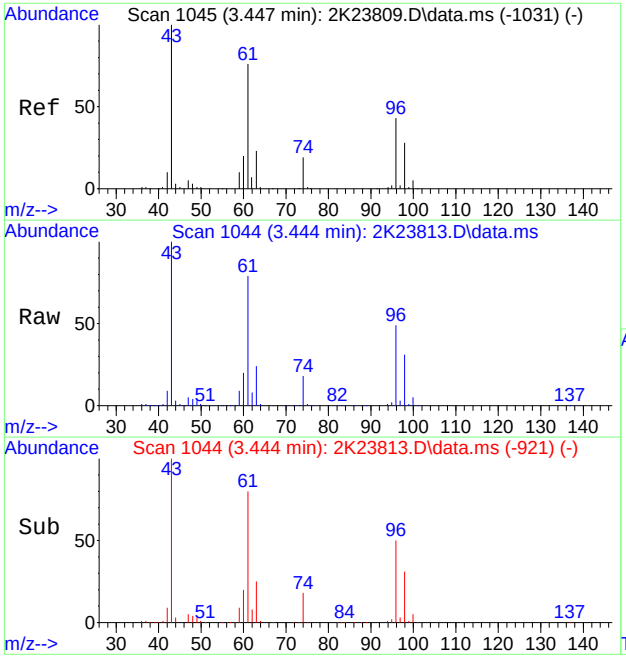


#22
methylene chloride
Concen: 189.51 ug/L
RT: 3.338 min Scan# 1011
Delta R.T. -0.006 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion: 84 Resp: 1202825

Ion	Ratio	Lower	Upper
84	100		
86	63.3	33.4	93.4
49	160.0	141.9	201.9

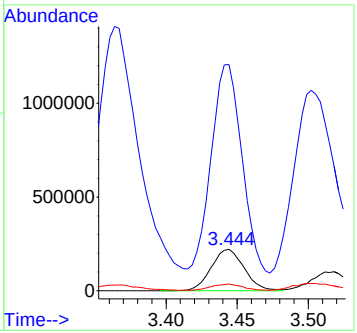


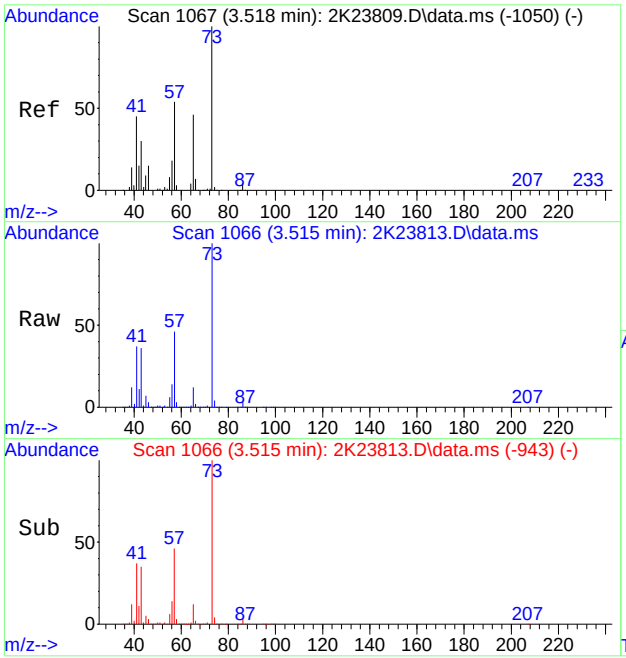


#23
methyl acetate
Concen: 197.76 ug/L
RT: 3.444 min Scan# 1044
Delta R.T. -0.003 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion: 74 Resp: 359215

Ion	Ratio	Lower	Upper
74	100		
43	417.1	492.7	552.7#
44	13.0	0.0	46.4

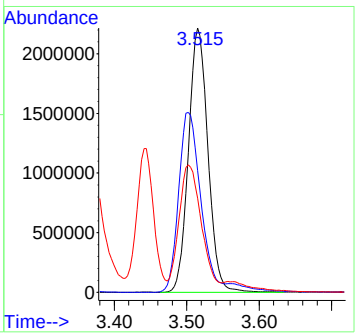


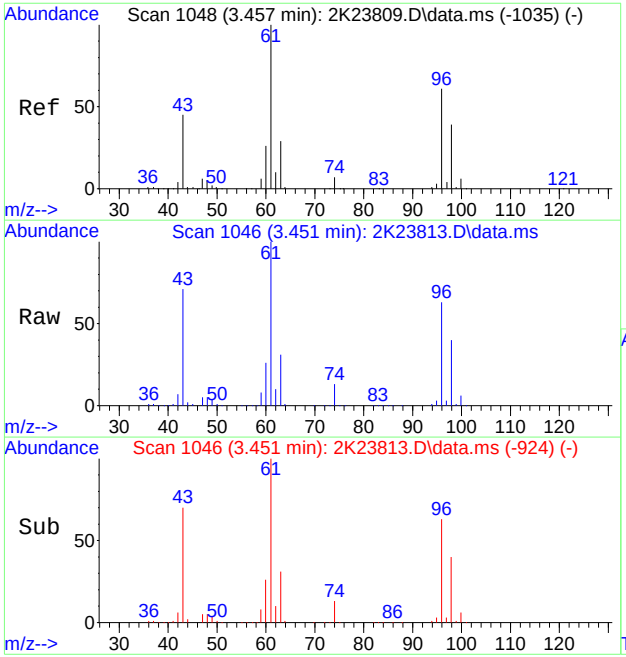


#24
methyl tert butyl ether
Concen: 188.40 ug/L
RT: 3.515 min Scan# 1066
Delta R.T. -0.003 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion: 73 Resp: 4145007

Ion	Ratio	Lower	Upper
73	100		
57	45.8	23.8	83.8
43	34.9	11.7	71.7

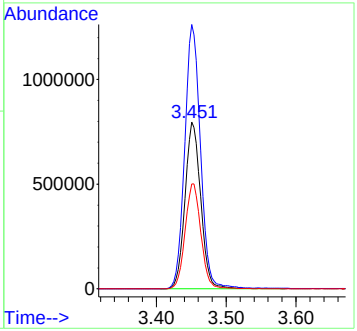


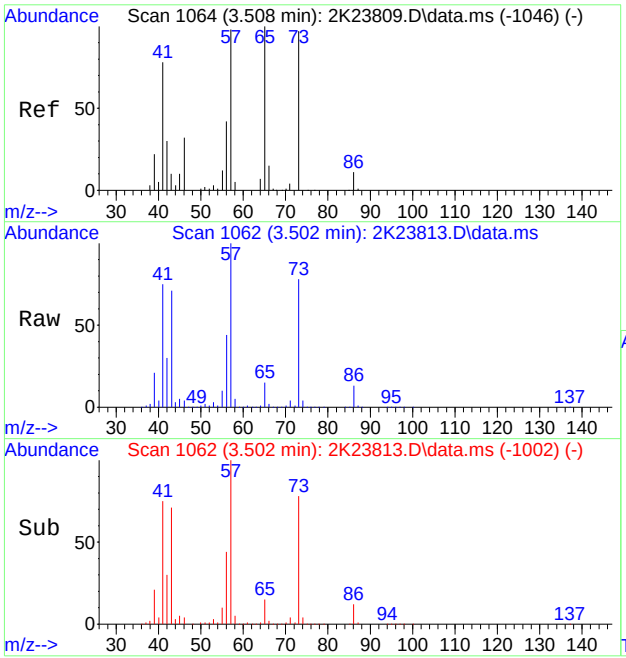


#25
trans-1,2-dichloroethene
Concen: 195.21 ug/L
RT: 3.451 min Scan# 1046
Delta R.T. -0.006 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion: 96 Resp: 1249289

Ion	Ratio	Lower	Upper
96	100		
61	158.7	132.8	192.8
98	63.0	34.2	94.2

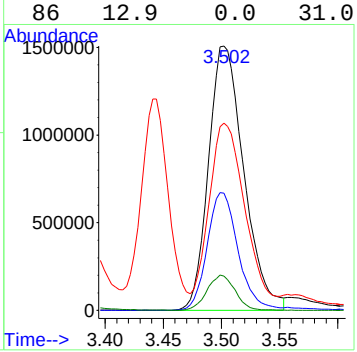


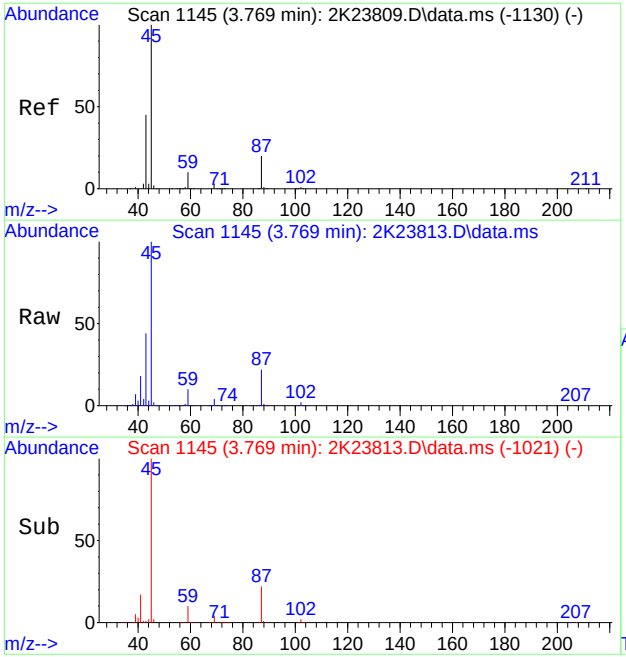


#26
hexane
Concen: 185.76 ug/L
RT: 3.502 min Scan# 1062
Delta R.T. -0.006 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion: 57 Resp: 3185135

Ion	Ratio	Lower	Upper
57	100		
56	44.2	22.5	62.5
43	65.1	45.1	85.1
86	12.9	0.0	31.0

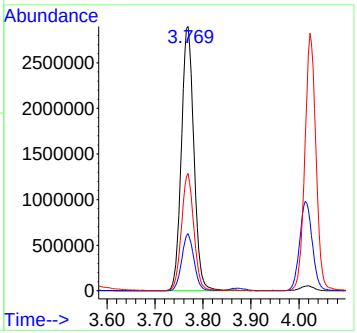


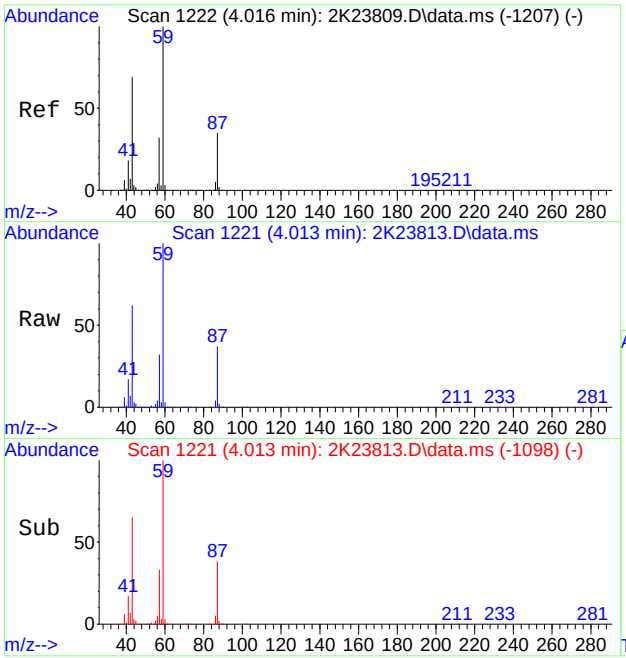


#27
di-isopropyl ether
Concen: 186.04 ug/L
RT: 3.769 min Scan# 1145
Delta R.T. 0.000 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion: 45 Resp: 5264981

Ion	Ratio	Lower	Upper
45	100		
87	21.7	0.0	49.8
43	44.3	15.4	75.4

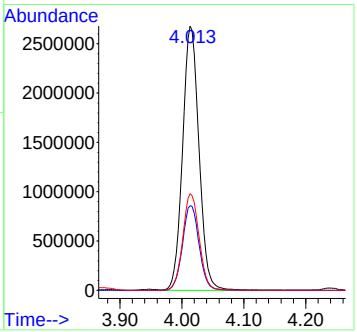


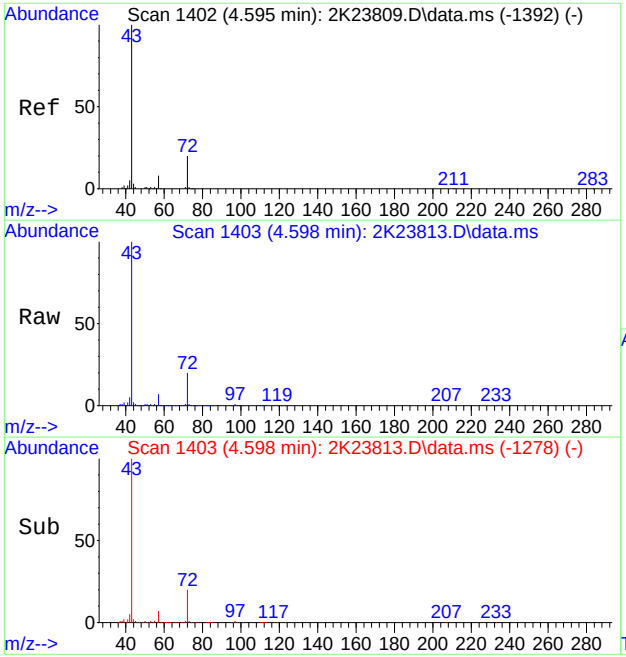


#28
ethyl tert-butyl ether
Concen: 195.43 ug/L
RT: 4.013 min Scan# 1221
Delta R.T. -0.003 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion: 59 Resp: 4928534

Ion	Ratio	Lower	Upper
59	100		
57	32.1	1.6	61.6
87	36.5	5.2	65.2

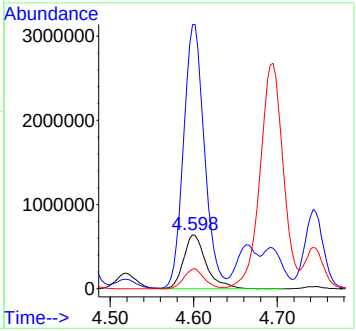


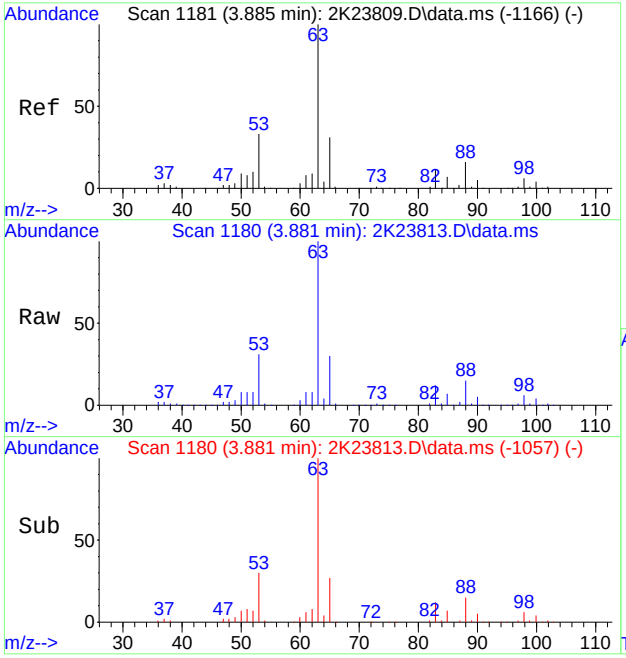


#29
2-butanone
Concen: 843.49 ug/L
RT: 4.598 min Scan# 1403
Delta R.T. 0.003 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion: 72 Resp: 1200866

Ion	Ratio	Lower	Upper
72	100		
43	489.3	461.8	521.8
57	36.7	7.0	67.0

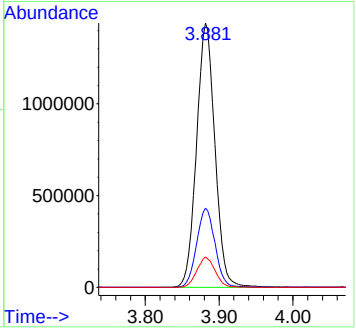


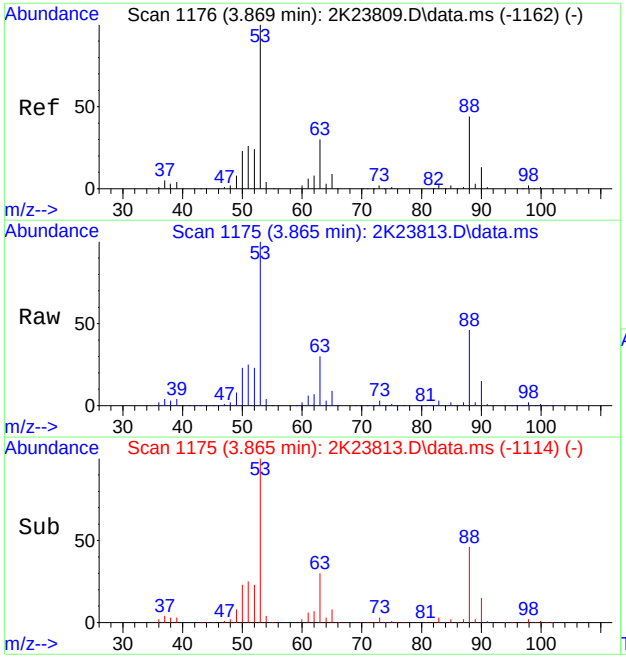


#30
1,1-dichloroethane
Concen: 189.72 ug/L
RT: 3.881 min Scan# 1180
Delta R.T. -0.003 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion: 63 Resp: 2488376

Ion	Ratio	Lower	Upper
63	100		
65	30.0	0.5	60.5
83	11.5	0.0	41.0

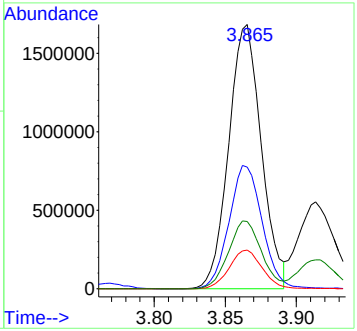


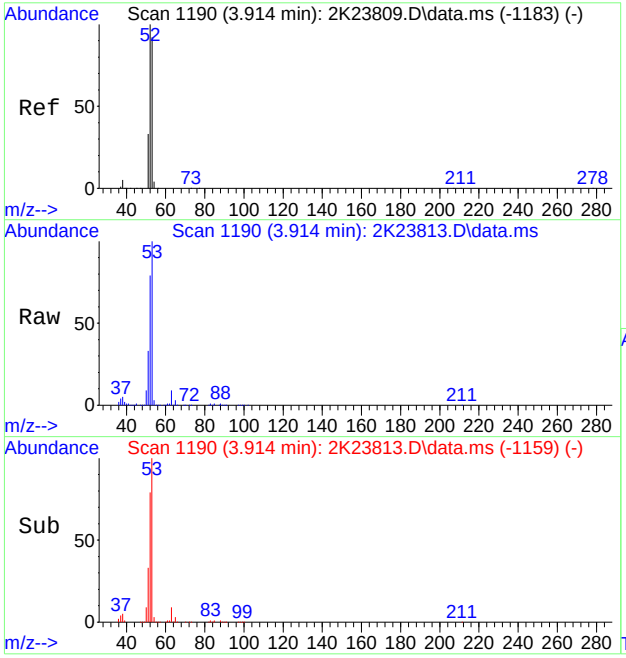


#31
chloroprene
Concen: 189.78 ug/L
RT: 3.865 min Scan# 1175
Delta R.T. -0.003 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion: 53 Resp: 2693094

Ion	Ratio	Lower	Upper
53	100		
88	45.9	14.2	74.2
90	14.7	0.0	42.9
51	25.4	0.0	55.9

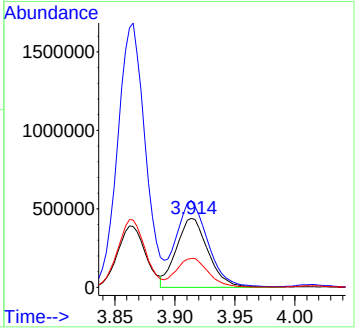


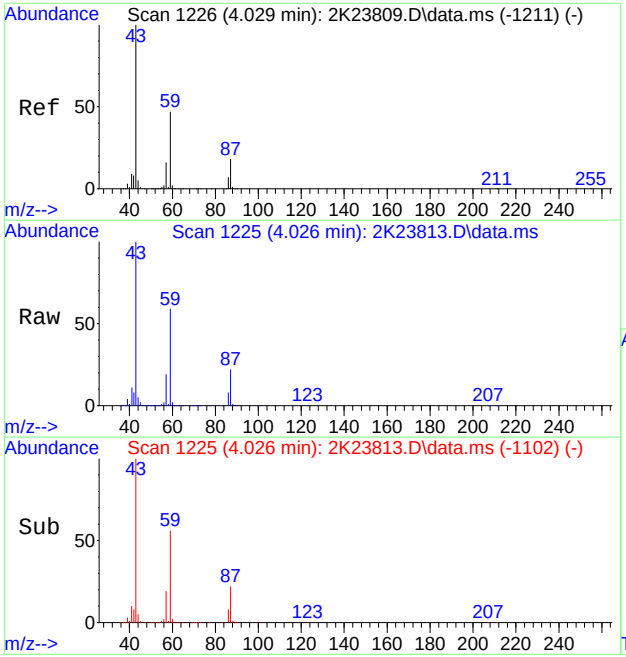


#32
acrylonitrile
Concen: 193.25 ug/L
RT: 3.914 min Scan# 1190
Delta R.T. -0.000 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion: 52 Resp: 807748

Ion	Ratio	Lower	Upper
52	100		
53	125.0	92.5	152.5
51	41.4	9.1	69.1

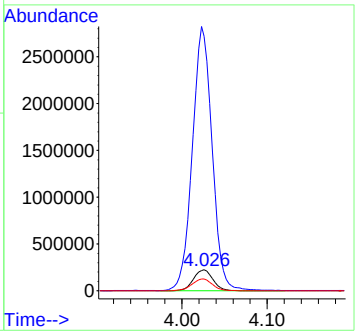


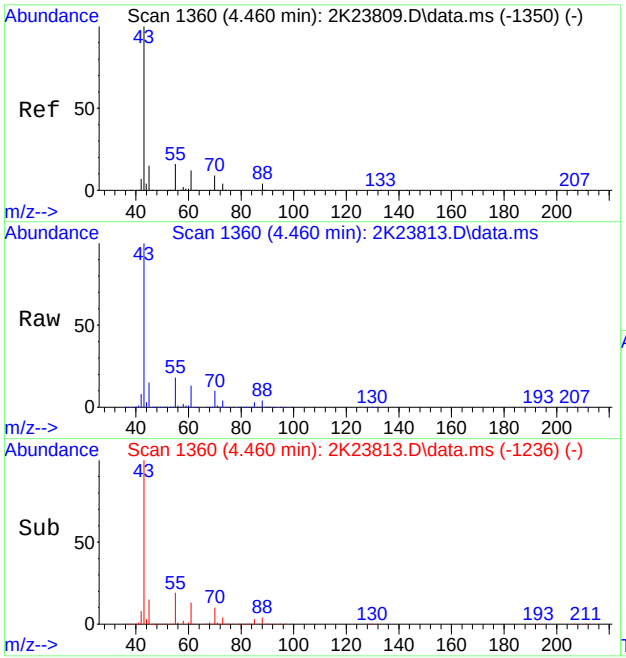


#33
vinyl acetate
Concen: 203.45 ug/L
RT: 4.026 min Scan# 1225
Delta R.T. -0.003 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion: 86 Resp: 356456

Ion	Ratio	Lower	Upper
86	100		
43	1208.6	1321.8	1381.8#
44	55.9	32.5	92.5

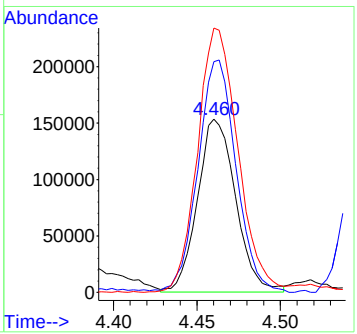


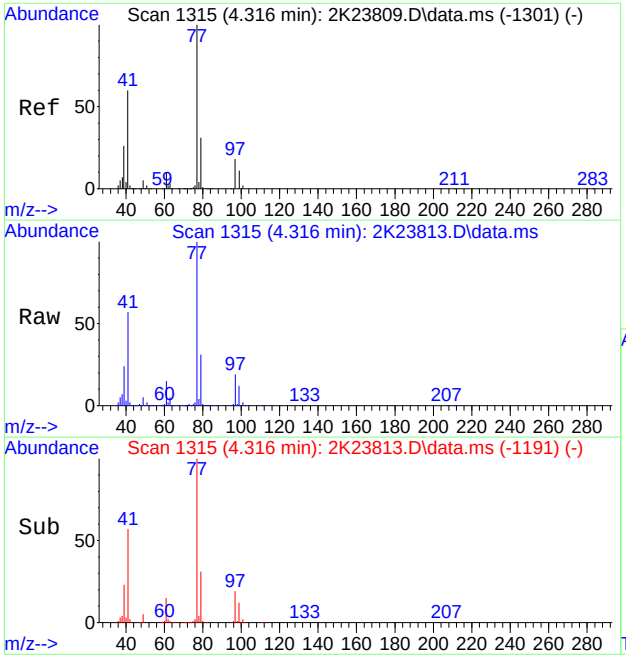


#34
ethyl acetate
Concen: 205.25 ug/L
RT: 4.460 min Scan# 1360
Delta R.T. -0.000 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion: 70 Resp: 243736

Ion	Ratio	Lower	Upper
70	100		
61	134.4	105.6	165.6
45	154.6	135.3	195.3

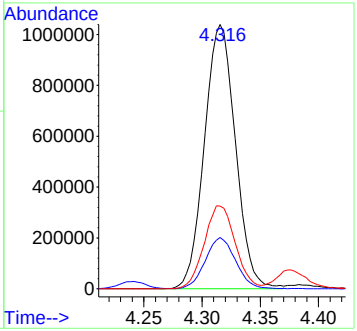


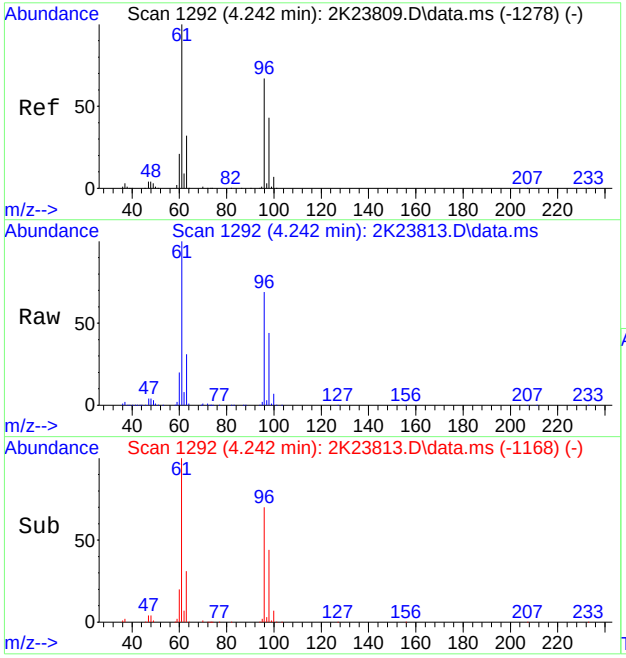


#35
2,2-dichloropropane
Concen: 184.05 ug/L
RT: 4.316 min Scan# 1315
Delta R.T. -0.000 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion: 77 Resp: 1933215

Ion	Ratio	Lower	Upper
77	100		
97	19.4	0.0	47.7
79	31.3	0.6	60.6

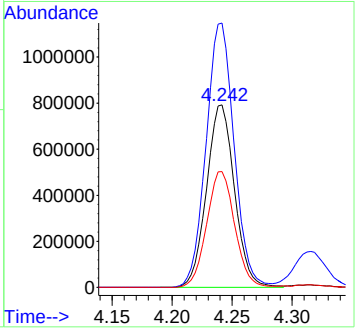


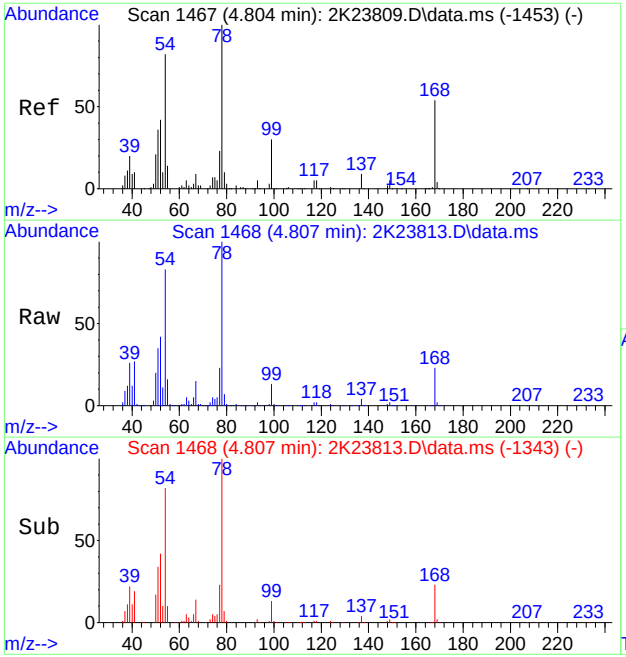


#36
cis-1,2-dichloroethene
Concen: 190.02 ug/L
RT: 4.242 min Scan# 1292
Delta R.T. 0.000 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion: 96 Resp: 1286914

Ion	Ratio	Lower	Upper
96	100		
61	144.9	118.2	178.2
98	63.4	34.3	94.3

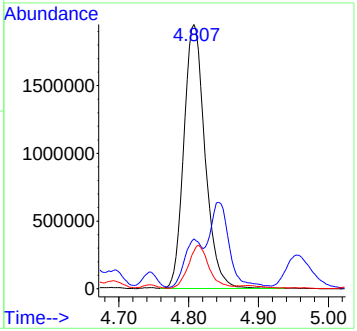


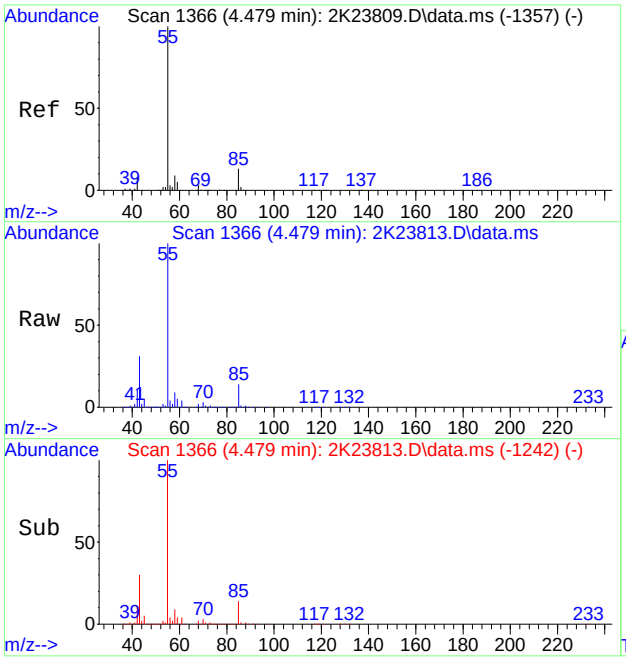


#37
propionitrile
Concen: 1827.31 ug/L
RT: 4.807 min Scan# 1468
Delta R.T. 0.003 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion: 54 Resp: 4108390

Ion	Ratio	Lower	Upper
54	100		
55	16.9	0.0	48.6
40	13.9	0.0	41.7

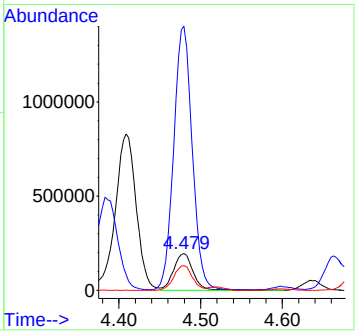


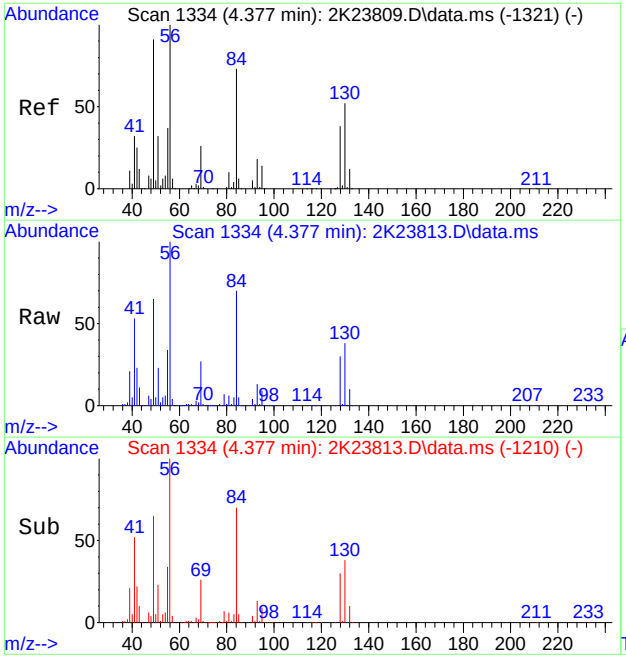


#38
methyl acrylate
Concen: 208.49 ug/L
RT: 4.479 min Scan# 1366
Delta R.T. 0.000 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion: 85 Resp: 326089

Ion	Ratio	Lower	Upper
85	100		
55	713.7	726.6	766.6#
58	66.4	49.4	89.4

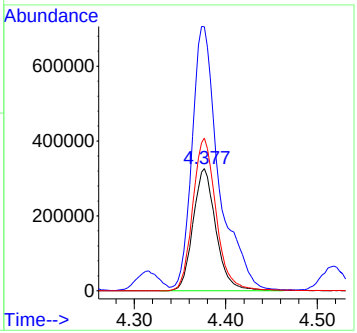


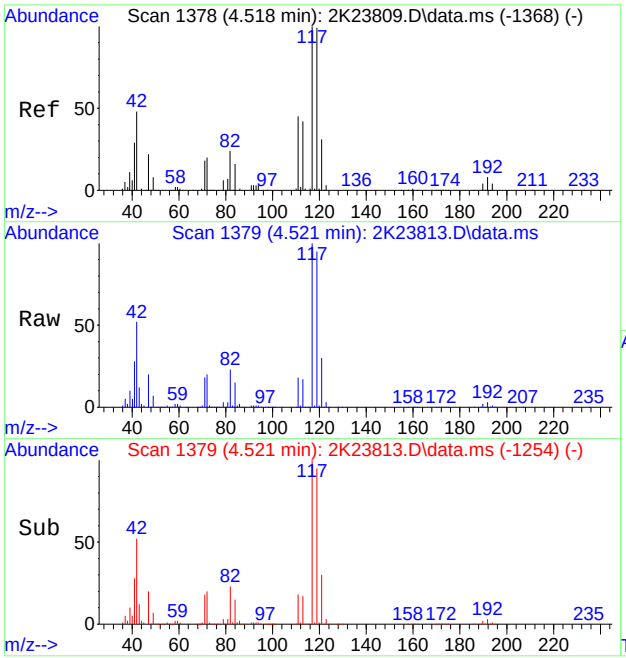


#39
bromochloromethane
Concen: 191.87 ug/L
RT: 4.377 min Scan# 1334
Delta R.T. -0.000 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion:128 Resp: 567983

Ion	Ratio	Lower	Upper
128	100		
49	214.9	213.9	273.9
130	125.0	107.4	167.4

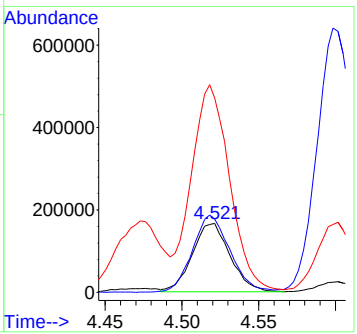


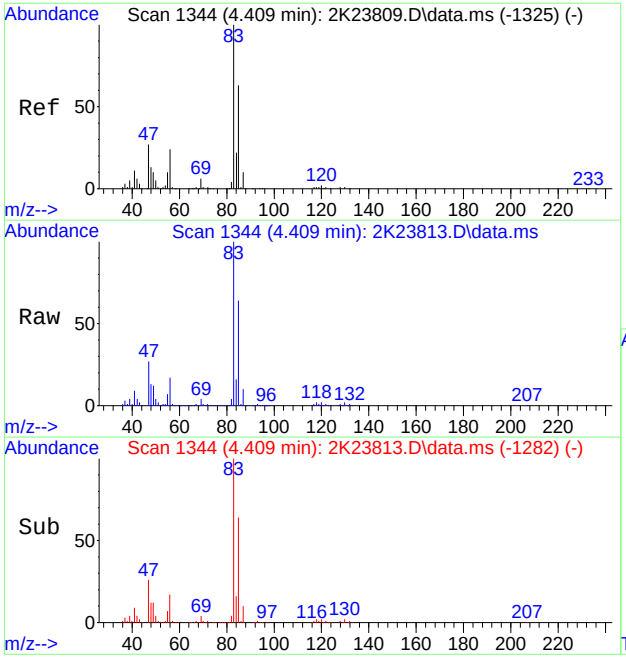


#40
tetrahydrofuran
Concen: 190.43 ug/L
RT: 4.521 min Scan# 1379
Delta R.T. 0.003 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion: 71 Resp: 283902

Ion	Ratio	Lower	Upper
71	100		
72	105.7	75.2	135.2
42	280.4	288.0	348.0#

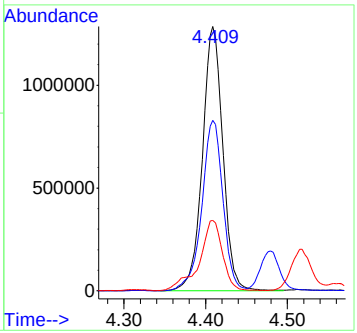


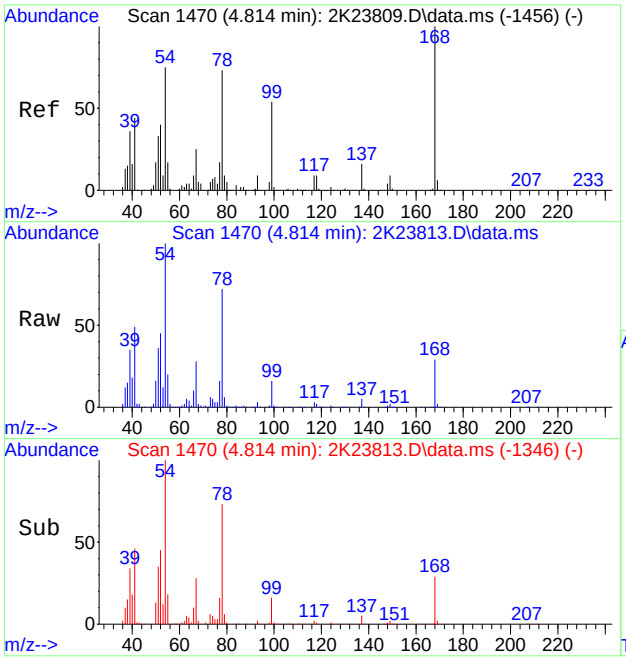


#41
chloroform
Concen: 179.56 ug/L
RT: 4.409 min Scan# 1344
Delta R.T. 0.000 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion: 83 Resp: 2235718

Ion	Ratio	Lower	Upper
83	100		
85	64.4	33.0	93.0
47	26.5	0.0	56.9

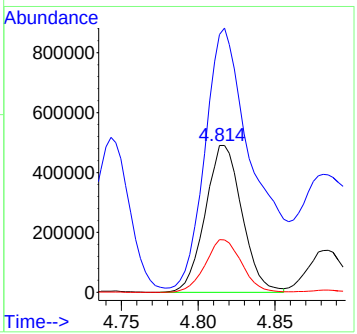


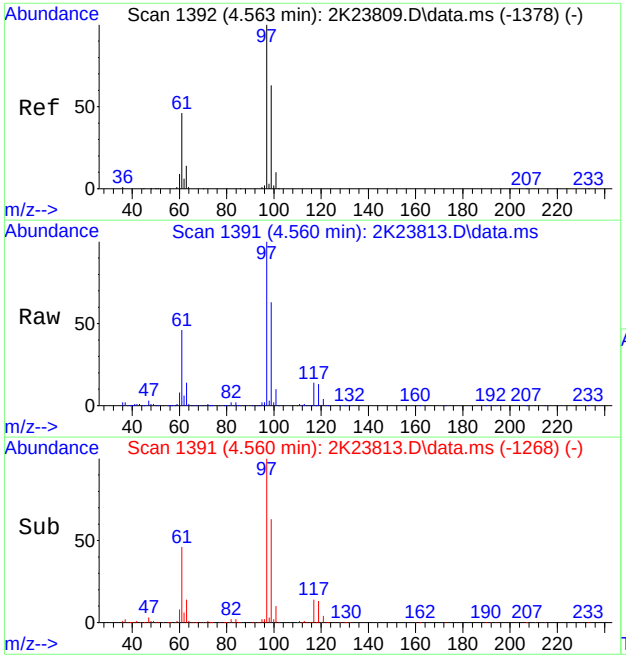


#43
methacrylonitrile
Concen: 181.89 ug/L
RT: 4.814 min Scan# 1470
Delta R.T. -0.000 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion: 67 Resp: 816218

Ion	Ratio	Lower	Upper
67	100		
41	172.1	145.5	205.5
66	35.9	4.7	64.7

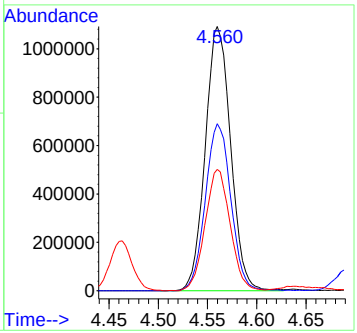


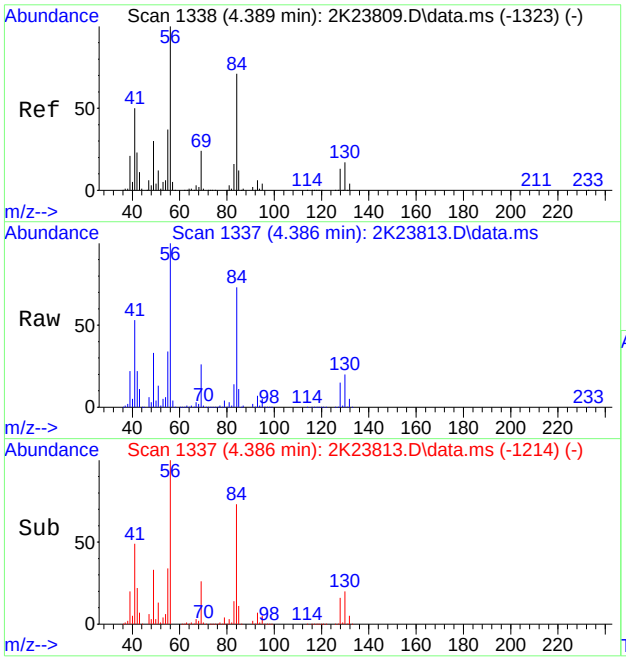


#44
1,1,1-trichloroethane
Concen: 185.56 ug/L
RT: 4.560 min Scan# 1391
Delta R.T. -0.003 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion: 97 Resp: 1964727

Ion	Ratio	Lower	Upper
97	100		
99	63.2	32.8	92.8
61	45.7	16.5	76.5

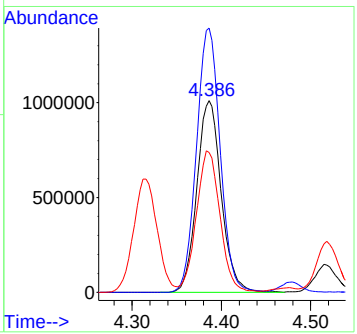


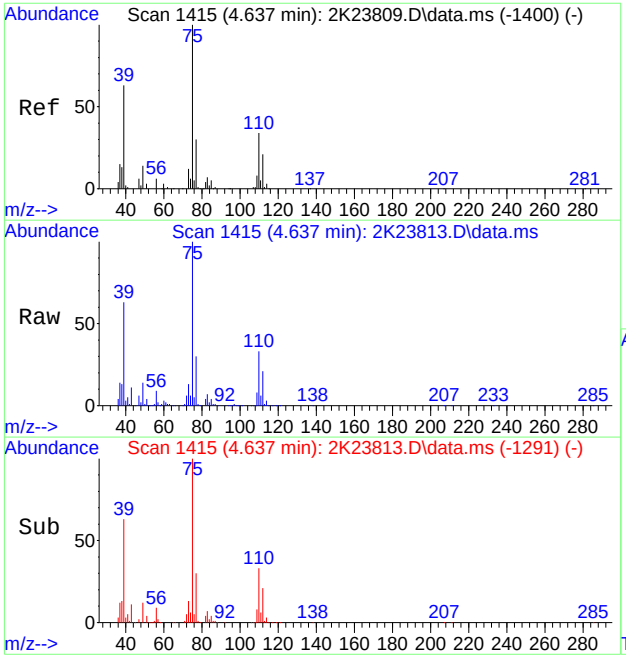


#45
cyclohexane
Concen: 203.44 ug/L
RT: 4.386 min Scan# 1337
Delta R.T. -0.003 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion: 84 Resp: 1916626

Ion	Ratio	Lower	Upper
84	100		
56	137.8	120.0	160.0
41	70.7	58.4	98.4

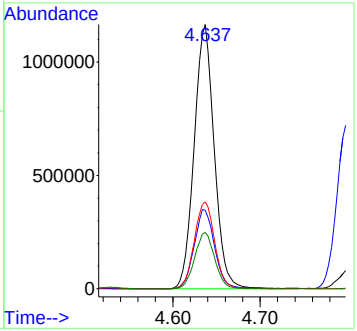


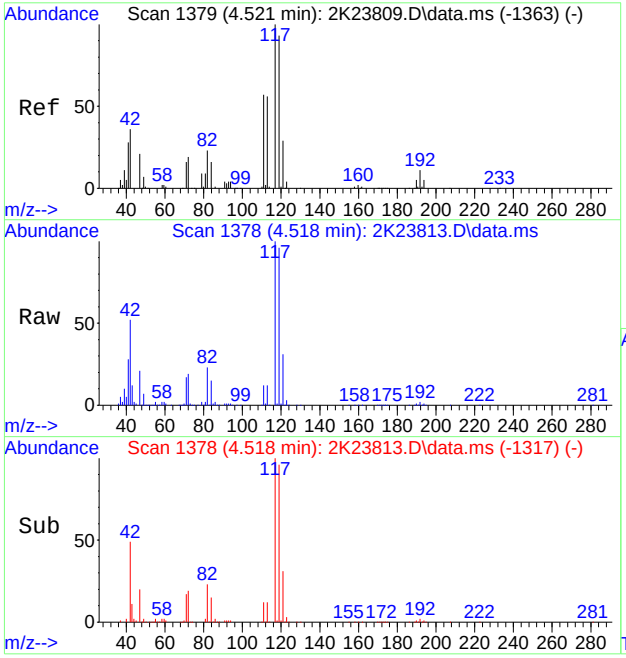


#46
1,1-dichloropropene
Concen: 203.38 ug/L
RT: 4.637 min Scan# 1415
Delta R.T. 0.000 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion: 75 Resp: 1864554

Ion	Ratio	Lower	Upper
75	100		
77	29.7	10.5	50.5
110	32.9	14.4	54.4
112	21.3	0.7	40.7

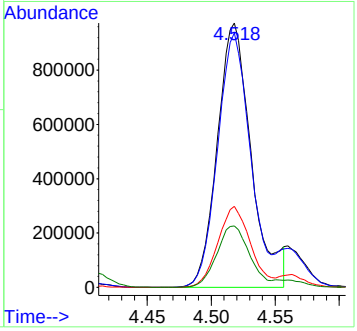


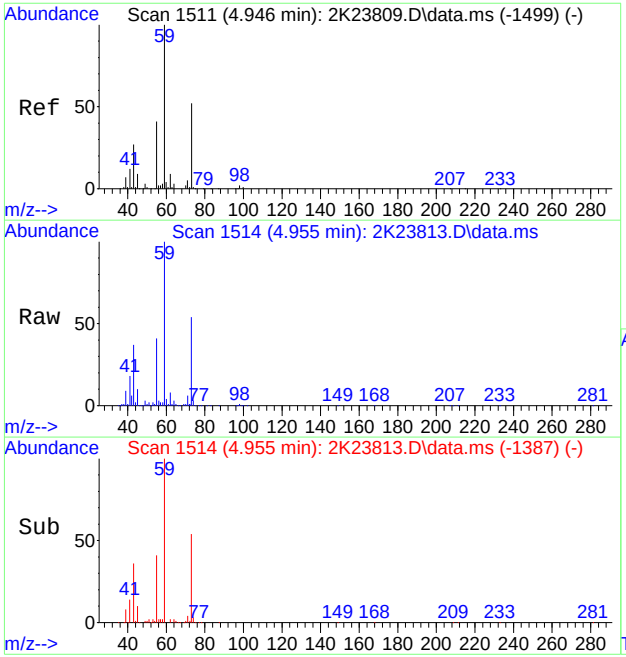


#47
carbon tetrachloride
Concen: 186.14 ug/L
RT: 4.518 min Scan# 1378
Delta R.T. -0.003 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion:117 Resp: 1797991

Ion	Ratio	Lower	Upper
117	100		
119	96.2	72.9	112.9
121	30.6	9.2	49.2
82	23.2	2.9	42.9

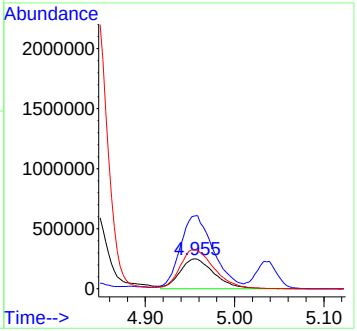


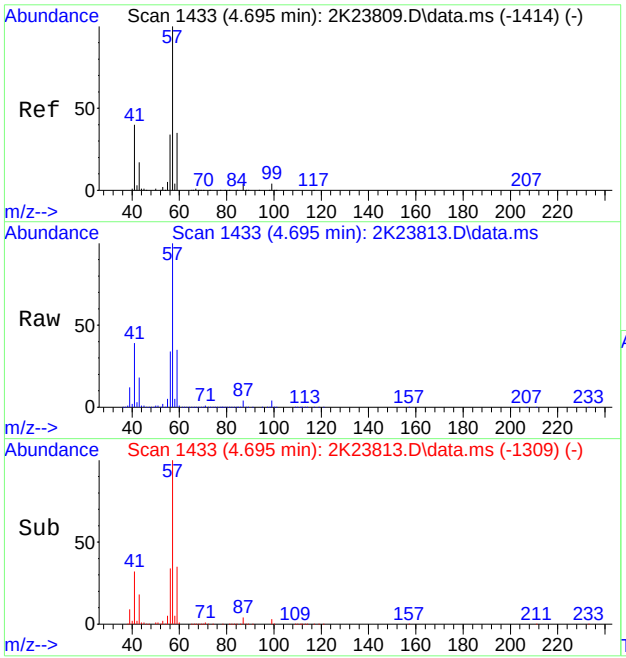


#49
tert-amyl alcohol
Concen: 917.91 ug/L
RT: 4.955 min Scan# 1514
Delta R.T. 0.010 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion: 55 Resp: 665738

Ion	Ratio	Lower	Upper
55	100		
59	236.1	218.4	258.4
73	129.8	106.6	146.6

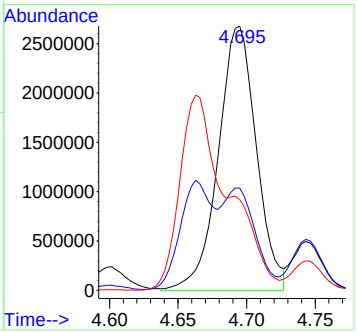


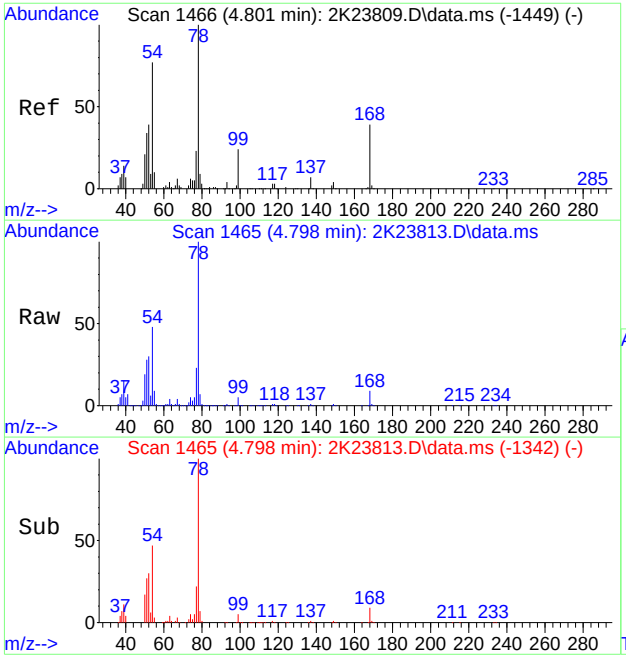


#52
iso-octane
Concen: 192.06 ug/L
RT: 4.695 min Scan# 1433
Delta R.T. -0.000 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion: 57 Resp: 5174608

Ion	Ratio	Lower	Upper
57	100		
41	36.8	19.7	59.7
56	30.8	14.3	54.3

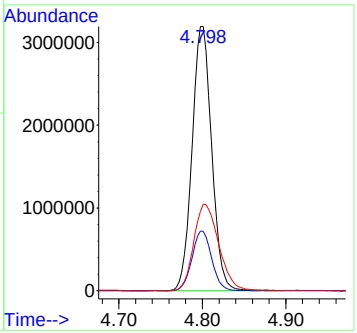


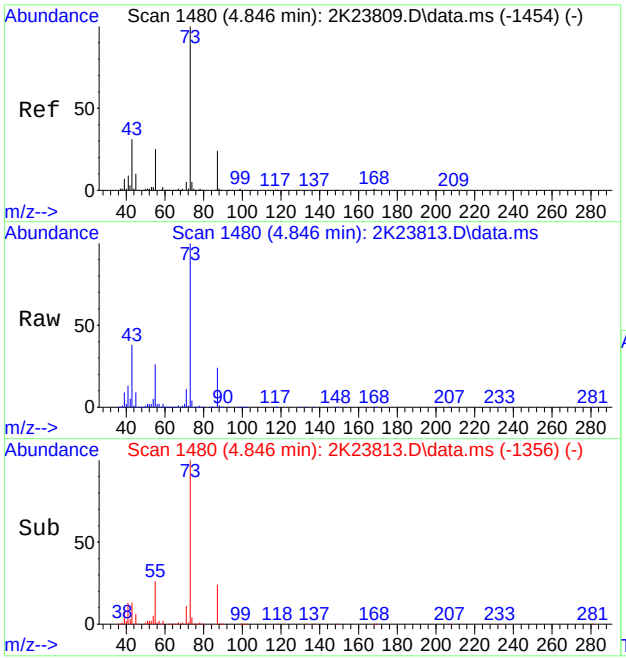


#53
benzene
Concen: 193.93 ug/L
RT: 4.798 min Scan# 1465
Delta R.T. -0.003 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion: 78 Resp: 5215236

Ion	Ratio	Lower	Upper
78	100		
77	22.5	0.0	53.5
52	29.9	8.9	68.9

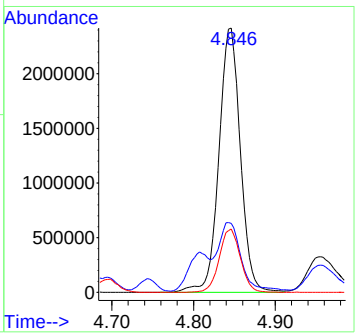


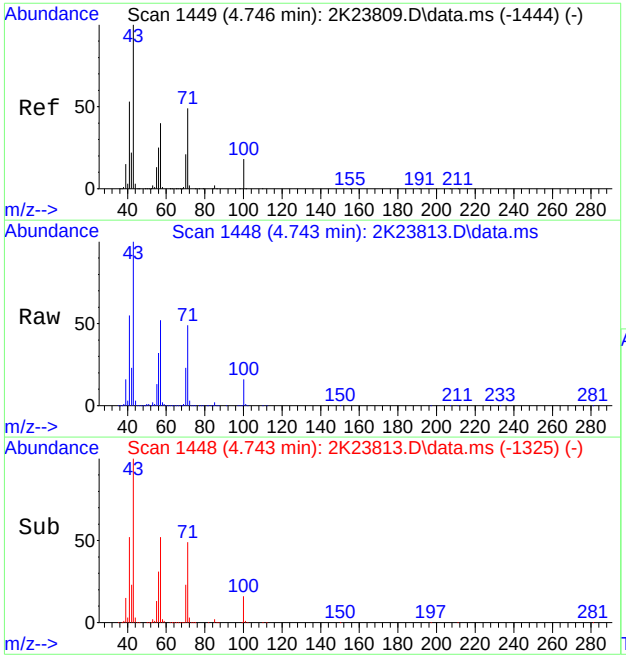


#54
tert-amyl methyl ether
Concen: 192.88 ug/L
RT: 4.846 min Scan# 1480
Delta R.T. -0.000 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion: 73 Resp: 4409799

Ion	Ratio	Lower	Upper
73	100		
55	25.1	6.1	46.1
87	24.0	4.3	44.3

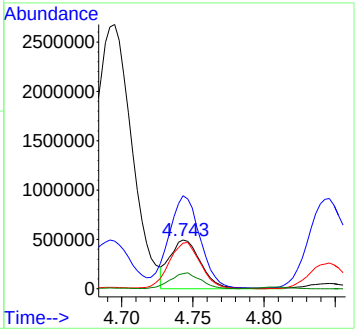


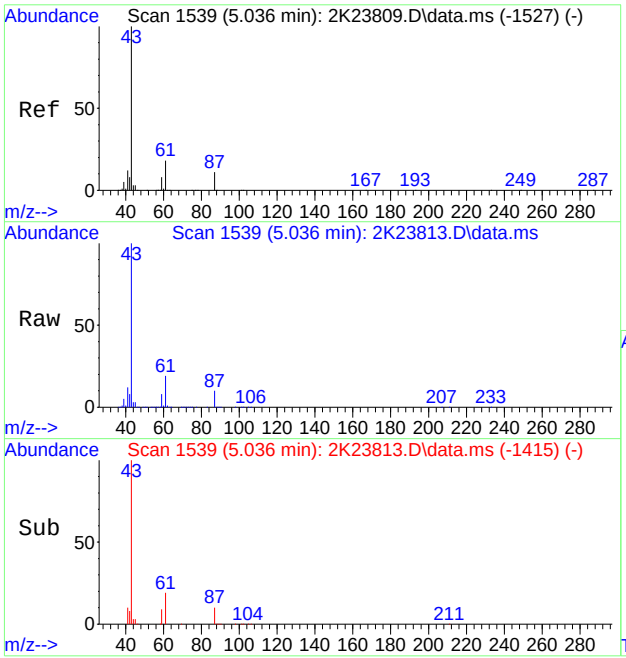


#55
heptane
Concen: 193.61 ug/L
RT: 4.743 min Scan# 1448
Delta R.T. -0.003 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion: 57 Resp: 759998

Ion	Ratio	Lower	Upper
57	100		
43	186.4	171.2	231.2
71	93.3	63.1	123.1
100	28.6	0.0	55.4

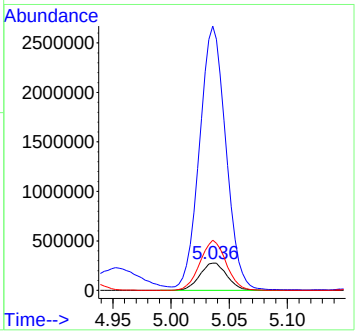


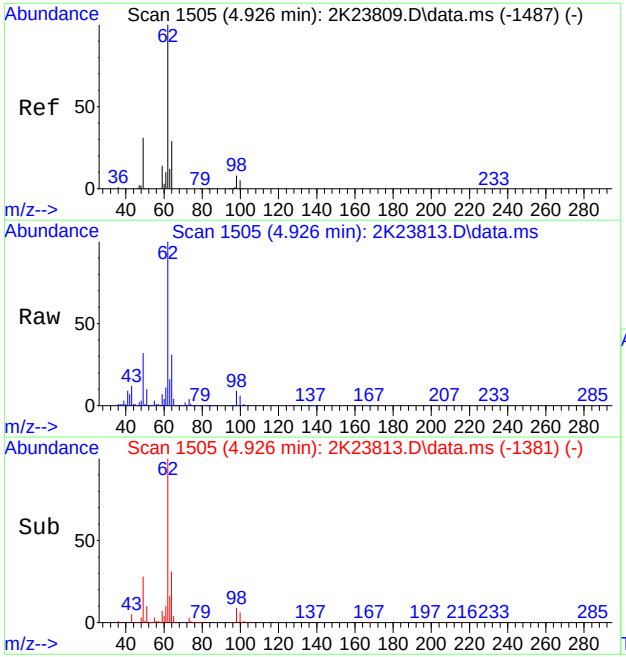


#56
isopropyl acetate
Concen: 204.81 ug/L
RT: 5.036 min Scan# 1539
Delta R.T. 0.000 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion: 87 Resp: 448068

Ion	Ratio	Lower	Upper
87	100		
43	968.7	917.6	977.6
61	184.0	137.7	197.7

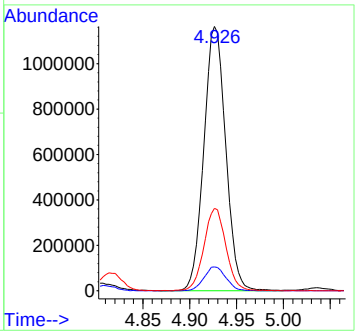


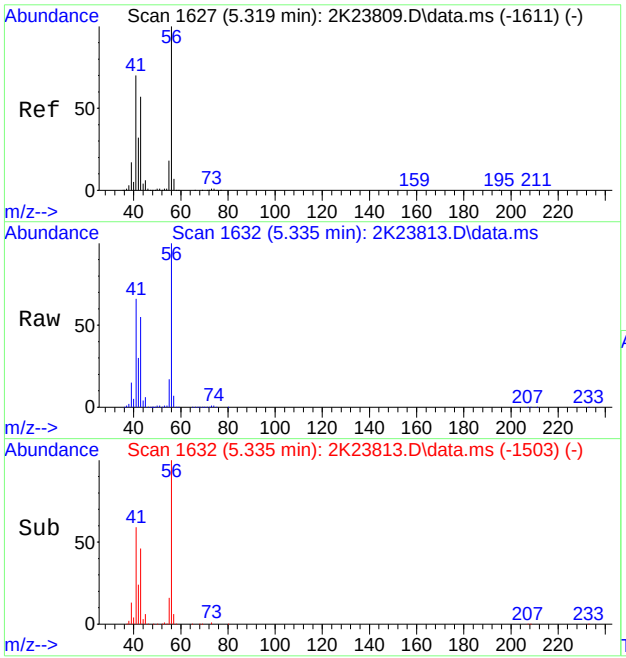


#57
1,2-dichloroethane
Concen: 172.62 ug/L
RT: 4.926 min Scan# 1505
Delta R.T. -0.000 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion: 62 Resp: 1889660

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	38.3
64	31.2	0.0	59.6

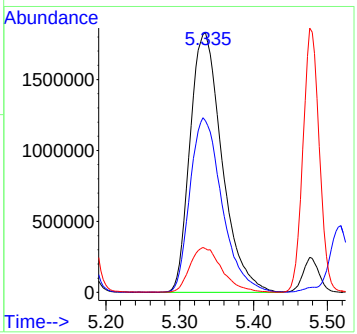


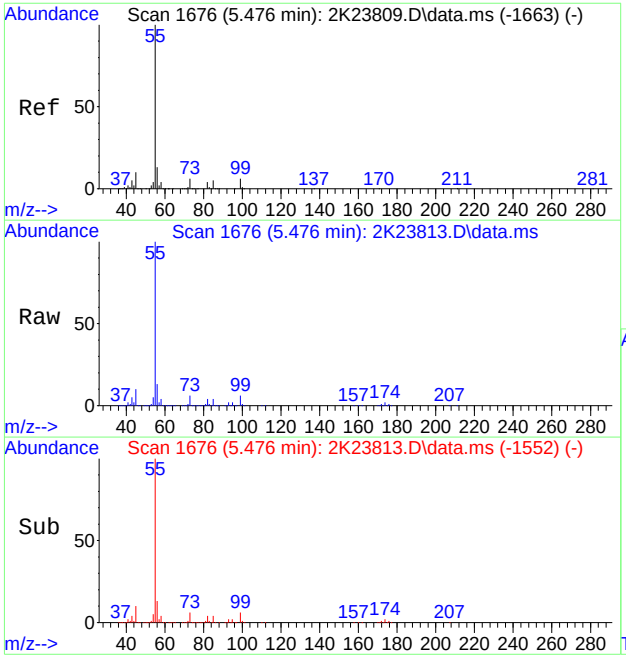


#58
n-butyl alcohol
Concen: 9154.51 ug/L
RT: 5.335 min Scan# 1632
Delta R.T. 0.016 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion: 56 Resp: 5512976

Ion	Ratio	Lower	Upper
56	100		
41	66.0	50.4	90.4
55	16.8	0.0	37.7

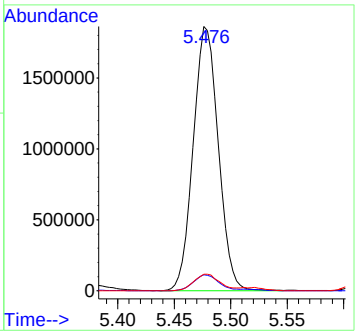


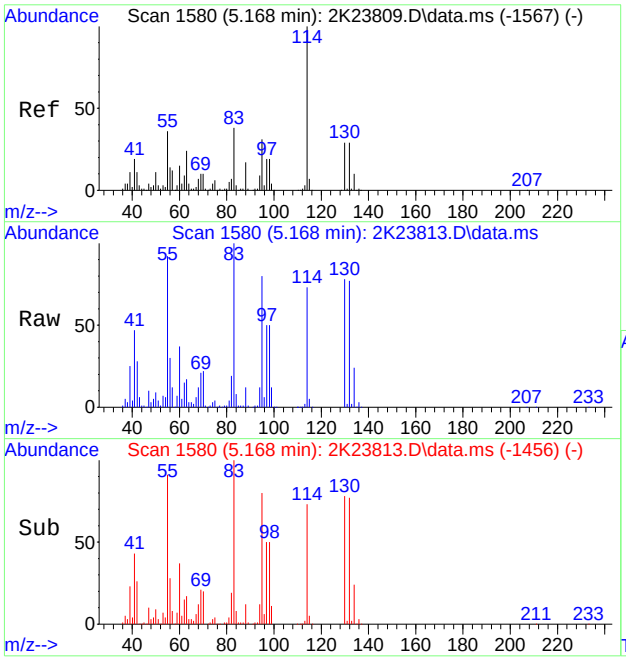


#59
ethyl acrylate
Concen: 196.06 ug/L
RT: 5.476 min Scan# 1676
Delta R.T. -0.000 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion: 55 Resp: 2883297

Ion	Ratio	Lower	Upper
55	100		
73	6.0	0.0	36.2
99	6.3	0.0	36.0

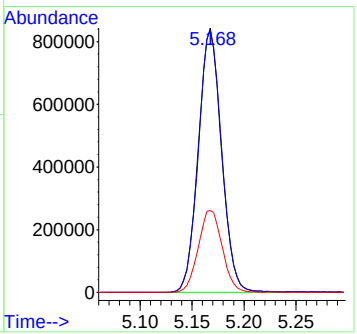


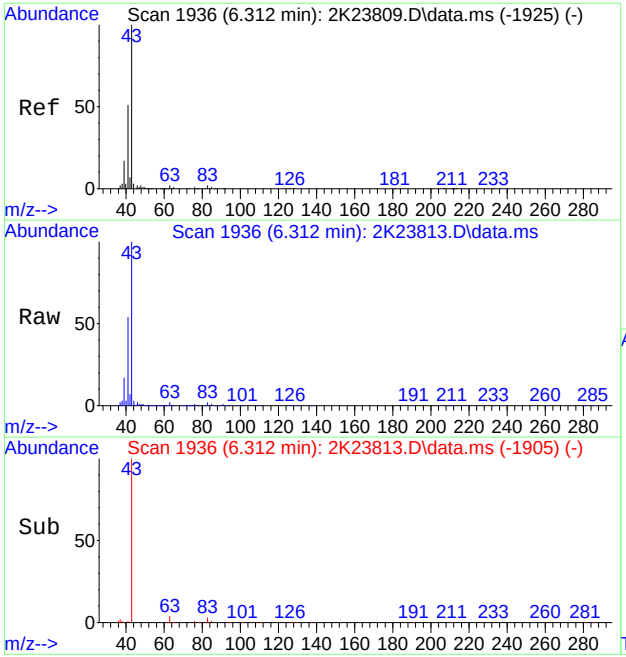


#60
trichloroethene
Concen: 200.55 ug/L
RT: 5.168 min Scan# 1580
Delta R.T. -0.000 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion:130 Resp: 1310363

Ion	Ratio	Lower	Upper
130	100		
132	99.1	70.8	130.8
134	31.0	4.2	64.2

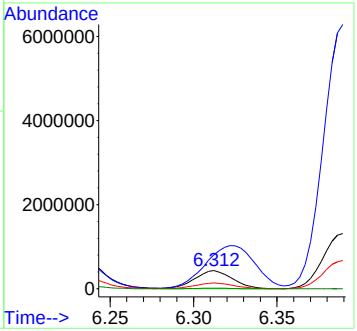


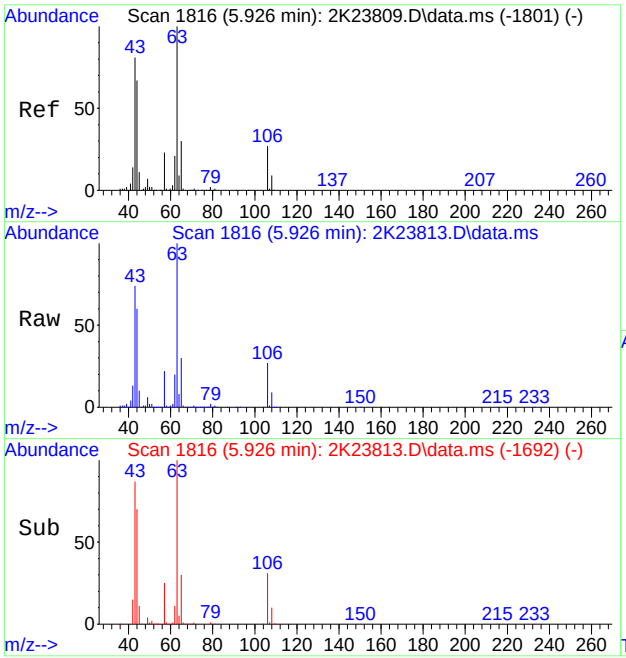


#61
2-nitropropane
Concen: 169.71 ug/L
RT: 6.312 min Scan# 1936
Delta R.T. -0.000 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion: 41 Resp: 666502

Ion	Ratio	Lower	Upper
41	100		
43	184.9	163.8	223.8
39	31.4	4.1	64.1
46	4.1	0.0	33.5

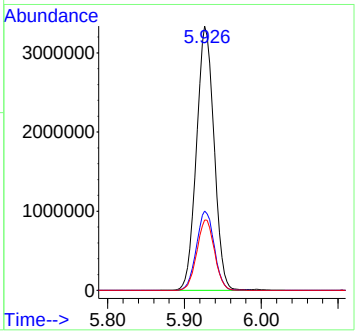




#62
2-chloroethyl vinyl ether
Concen: 1067.22 ug/L
RT: 5.926 min Scan# 1816
Delta R.T. -0.000 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

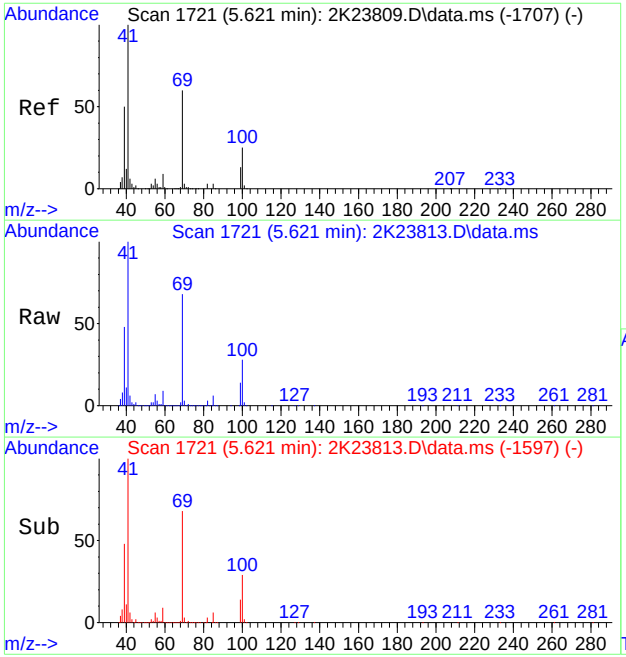
Tgt Ion: 63 Resp: 5313775

Ion	Ratio	Lower	Upper
63	100		
65	30.0	0.3	60.3
106	26.6	0.0	57.1



7.6.10

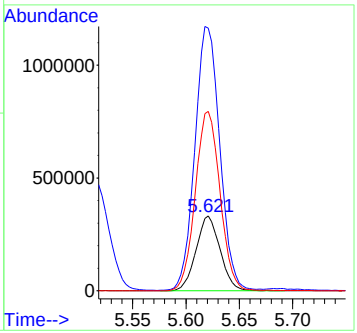
7

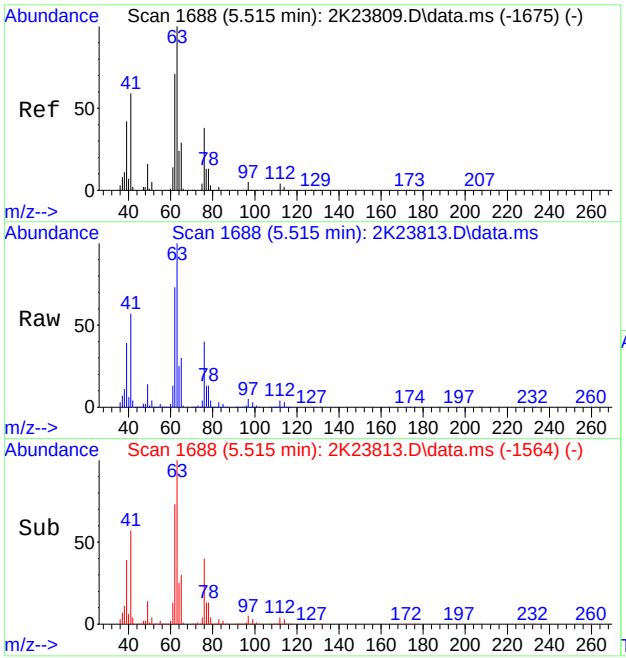


#63
methyl methacrylate
Concen: 204.86 ug/L
RT: 5.621 min Scan# 1721
Delta R.T. 0.000 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion:100 Resp: 520379

Ion	Ratio	Lower	Upper
100	100		
41	350.5	374.3	434.3#
69	240.0	214.3	274.3

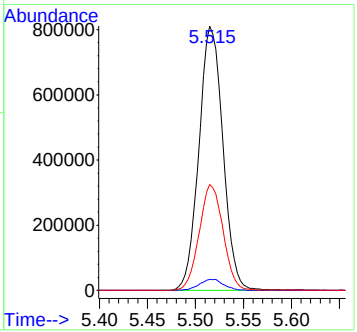


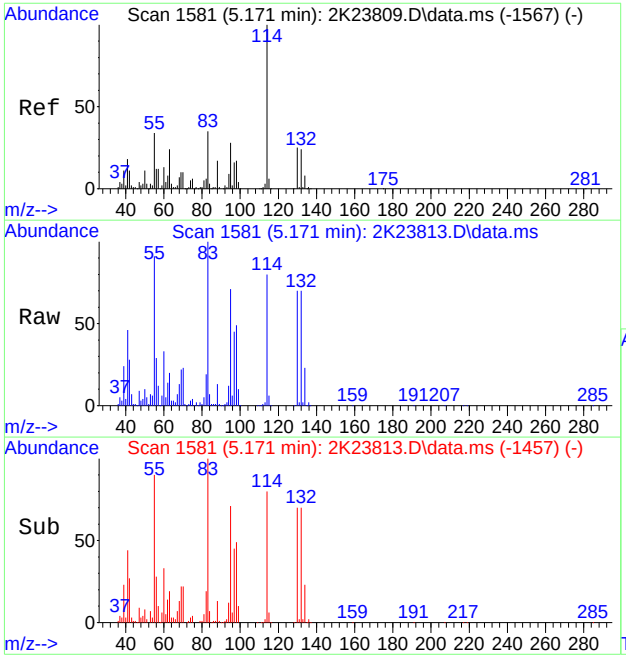


#64
1,2-dichloropropane
Concen: 187.82 ug/L
RT: 5.515 min Scan# 1688
Delta R.T. -0.000 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion: 63 Resp: 1412940

Ion	Ratio	Lower	Upper
63	100		
112	4.2	0.0	33.7
76	40.1	7.9	67.9

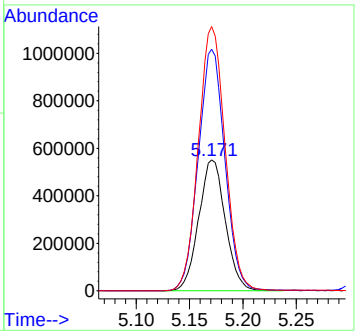


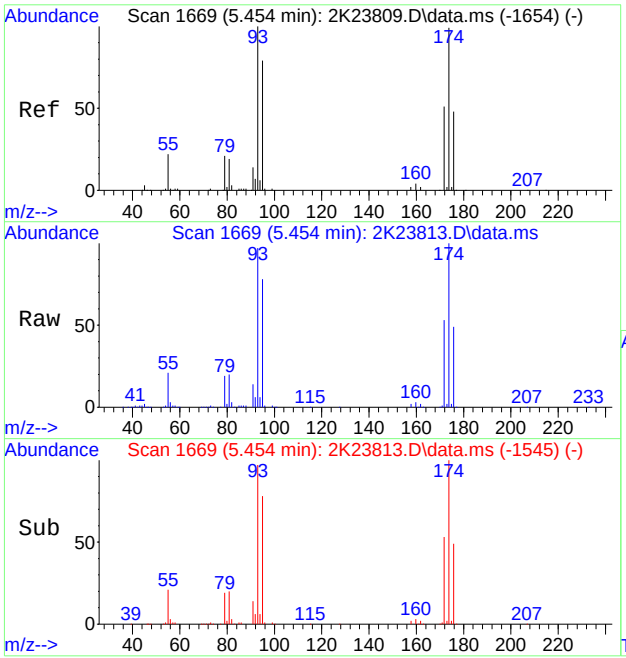


#65
methylcyclohexane
Concen: 200.97 ug/L
RT: 5.171 min Scan# 1581
Delta R.T. -0.000 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion: 98 Resp: 958015

Ion	Ratio	Lower	Upper
98	100		
55	184.7	173.8	233.8
83	202.1	181.7	241.7

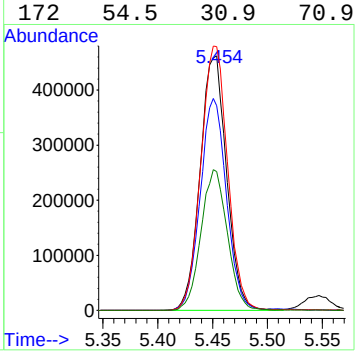


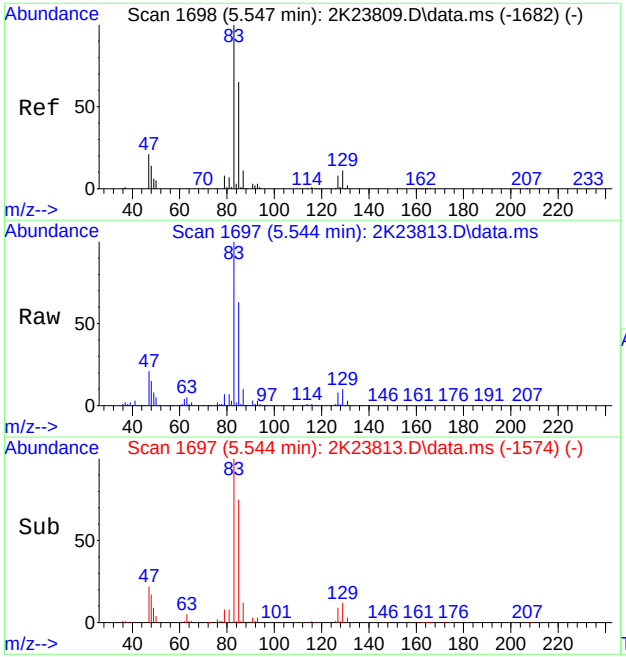


#66
dibromomethane
Concen: 185.77 ug/L
RT: 5.454 min Scan# 1669
Delta R.T. -0.000 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion: 93 Resp: 777098

Ion	Ratio	Lower	Upper
93	100		
95	80.4	49.5	109.5
174	103.6	68.7	128.7
172	54.5	30.9	70.9

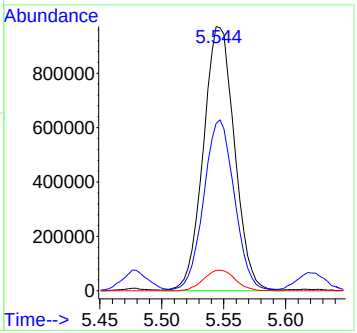


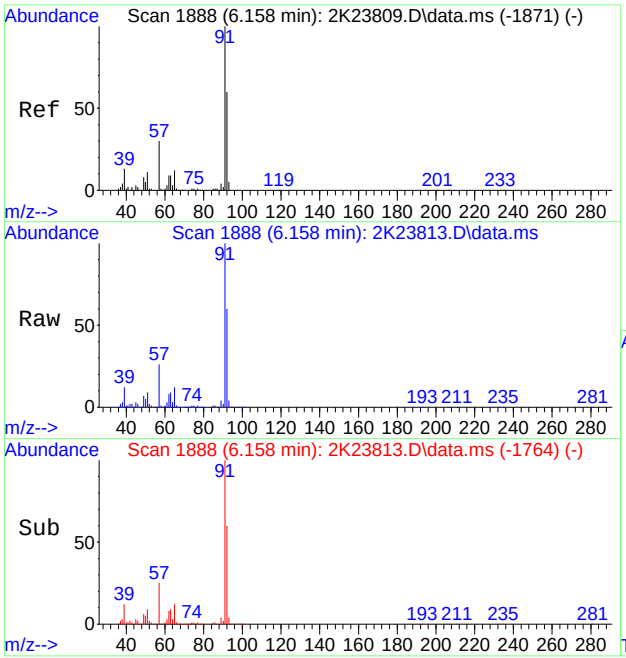


#67
bromodichloromethane
Concen: 188.66 ug/L
RT: 5.544 min Scan# 1697
Delta R.T. -0.003 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion: 83 Resp: 1699499

Ion	Ratio	Lower	Upper
83	100		
85	62.6	36.5	96.5
127	7.8	0.0	37.8

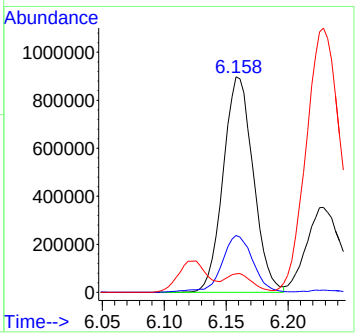


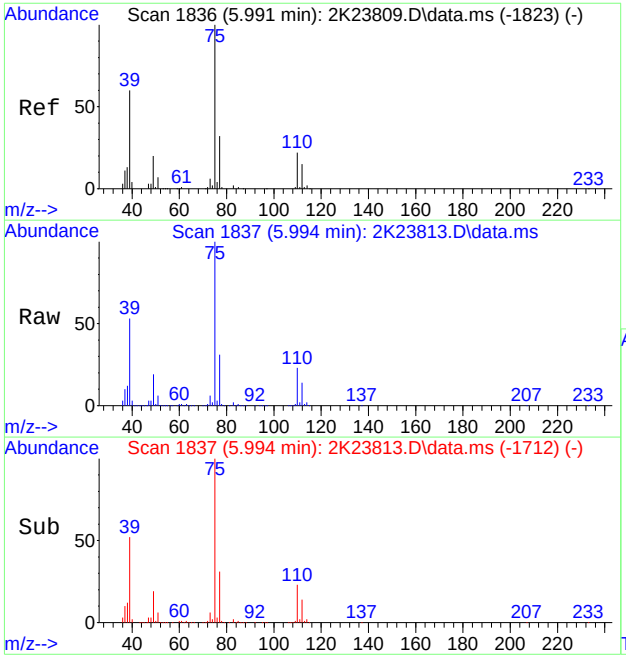


#68
epichlorohydrin
Concen: 901.27 ug/L
RT: 6.158 min Scan# 1888
Delta R.T. -0.000 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion: 57 Resp: 1516817

Ion	Ratio	Lower	Upper
57	100		
49	26.3	7.1	47.1
42	7.9	0.0	27.5

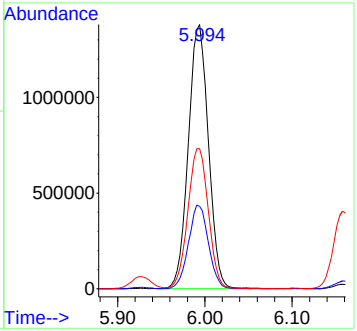


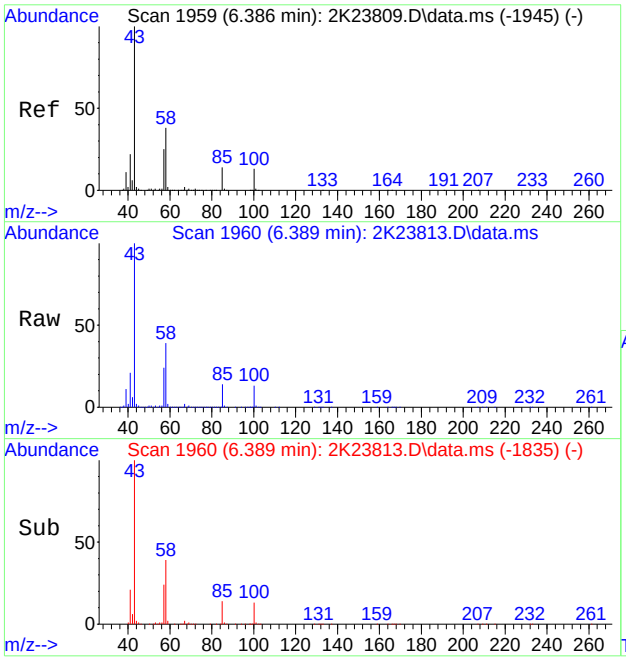


#69
cis-1,3-dichloropropene
Concen: 193.61 ug/L
RT: 5.994 min Scan# 1837
Delta R.T. 0.003 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion: 75 Resp: 2217995

Ion	Ratio	Lower	Upper
75	100		
77	31.2	2.1	62.1
39	52.9	30.1	90.1

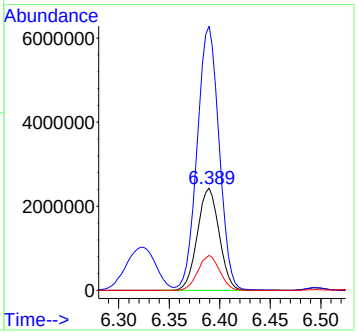


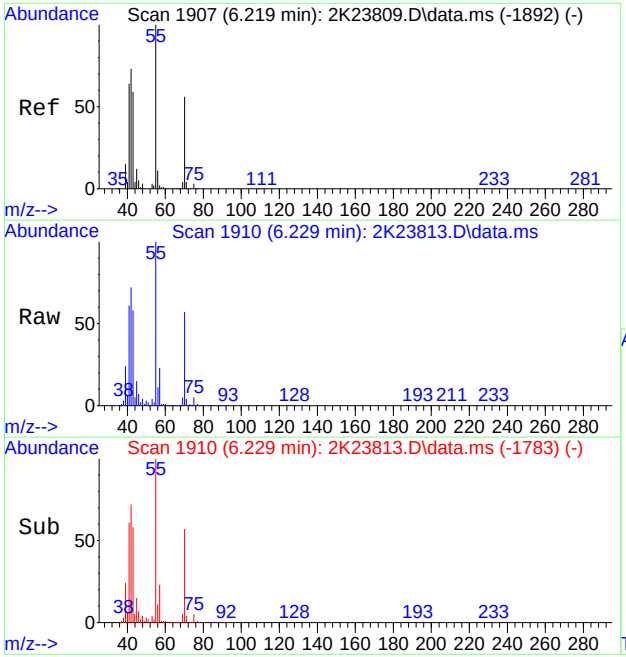


#70
4-methyl-2-pentanone
Concen: 741.81 ug/L
RT: 6.389 min Scan# 1960
Delta R.T. 0.003 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion: 58 Resp: 3642298

Ion	Ratio	Lower	Upper
58	100		
43	258.3	244.4	304.4
100	34.3	4.8	64.8

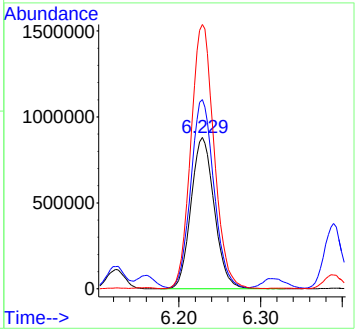


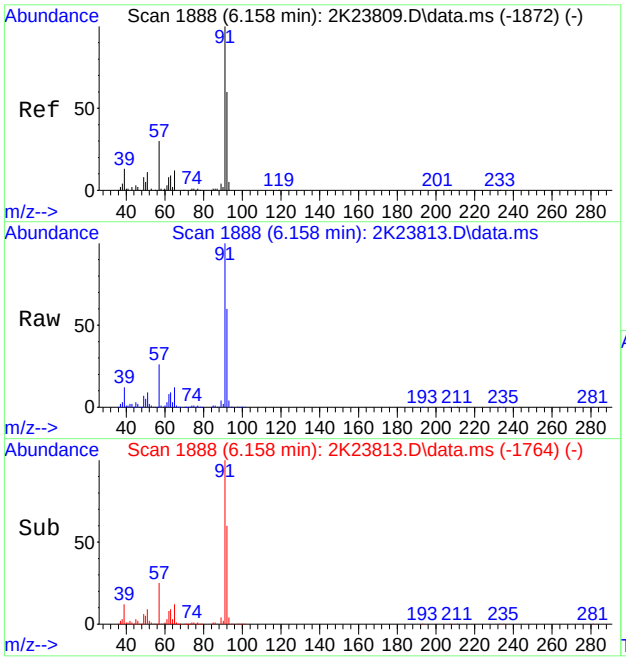


#71
3-methyl-1-butanol
Concen: 3721.15 ug/L
RT: 6.229 min Scan# 1910
Delta R.T. 0.010 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion: 70 Resp: 1740087

Ion	Ratio	Lower	Upper
70	100		
42	122.6	100.5	160.5
55	174.4	148.8	208.8

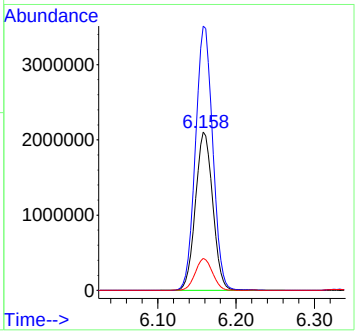


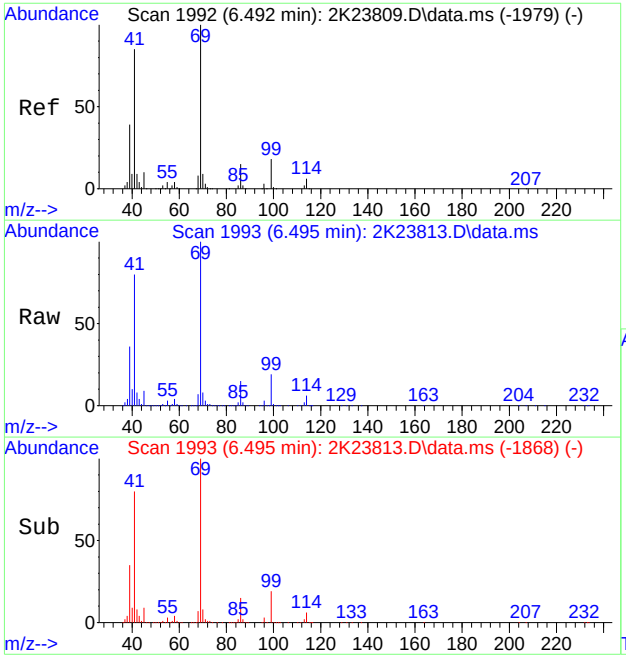


#74
toluene
Concen: 196.68 ug/L
RT: 6.158 min Scan# 1888
Delta R.T. -0.000 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion: 92 Resp: 3221740

Ion	Ratio	Lower	Upper
92	100		
91	167.1	145.9	185.9
65	20.1	0.5	40.5

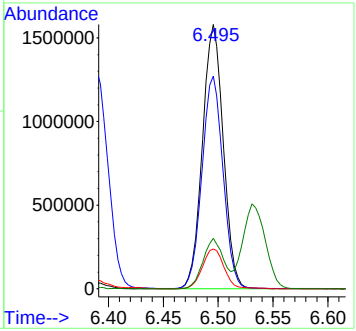


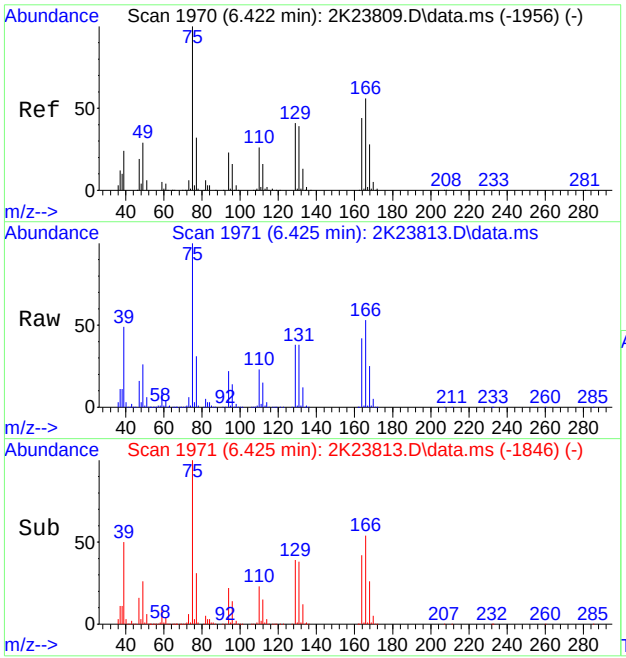


#75
ethyl methacrylate
Concen: 204.43 ug/L
RT: 6.495 min Scan# 1993
Delta R.T. 0.003 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion: 69 Resp: 2088305

Ion	Ratio	Lower	Upper
69	100		
41	80.3	65.3	105.3
86	15.1	0.0	34.6
99	19.1	0.0	38.4

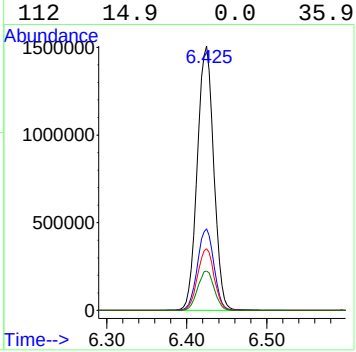


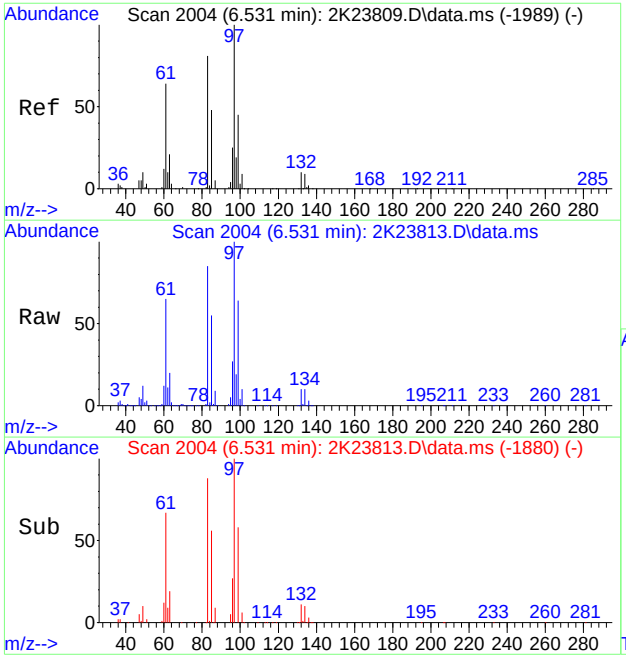


#76
trans-1,3-dichloropropene
Concen: 200.21 ug/L
RT: 6.425 min Scan# 1971
Delta R.T. 0.003 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion: 75 Resp: 2155573

Ion	Ratio	Lower	Upper
75	100		
77	30.9	12.2	52.2
110	23.3	5.7	45.7
112	14.9	0.0	35.9

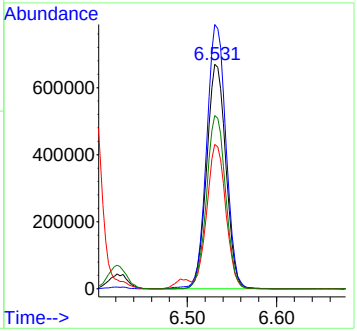


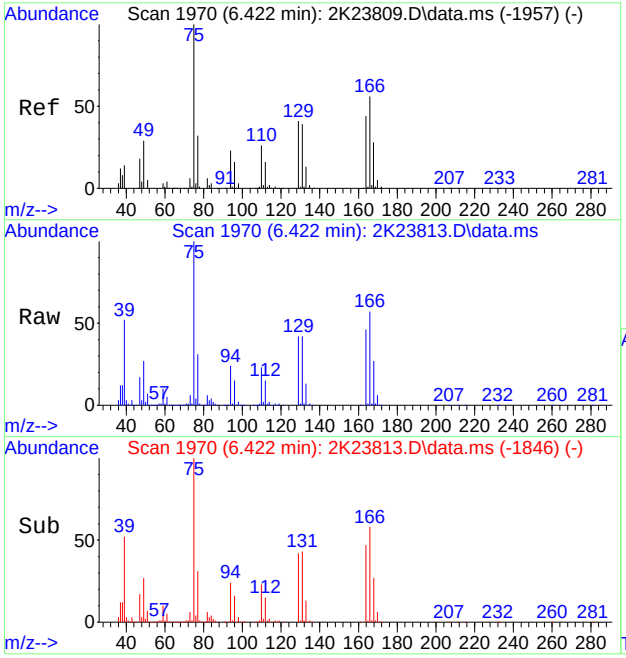


#77
1,1,2-trichloroethane
Concen: 201.72 ug/L
RT: 6.531 min Scan# 2004
Delta R.T. 0.000 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion: 83 Resp: 1000640

Ion	Ratio	Lower	Upper
83	100		
97	117.8	103.4	143.4
85	64.3	40.7	80.7
61	77.1	58.7	98.7

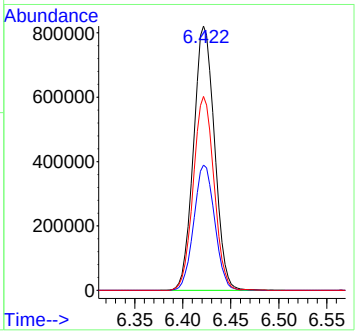


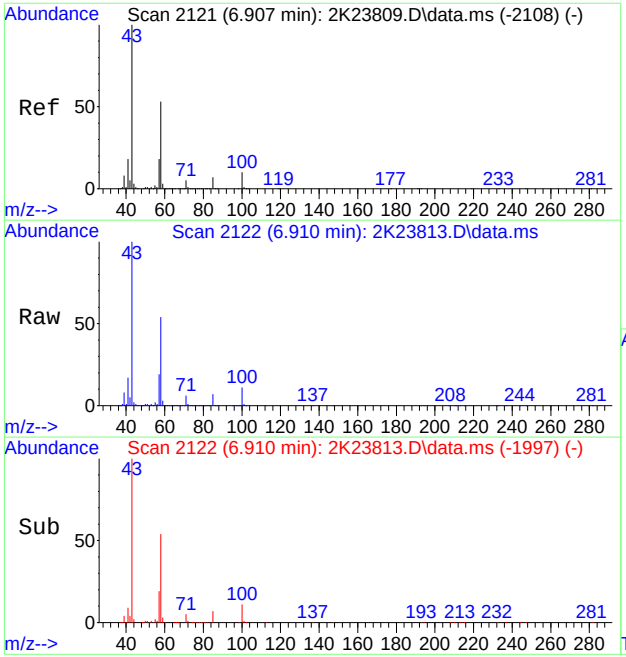


#78
tetrachloroethene
Concen: 199.77 ug/L
RT: 6.422 min Scan# 1970
Delta R.T. -0.000 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion:166 Resp: 1251474

Ion	Ratio	Lower	Upper
166	100		
168	47.4	19.1	79.1
129	73.4	42.7	102.7

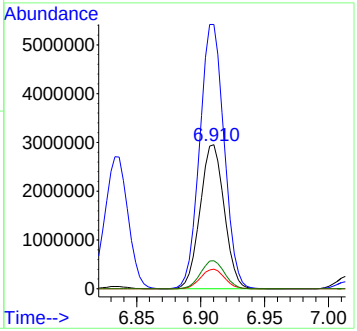


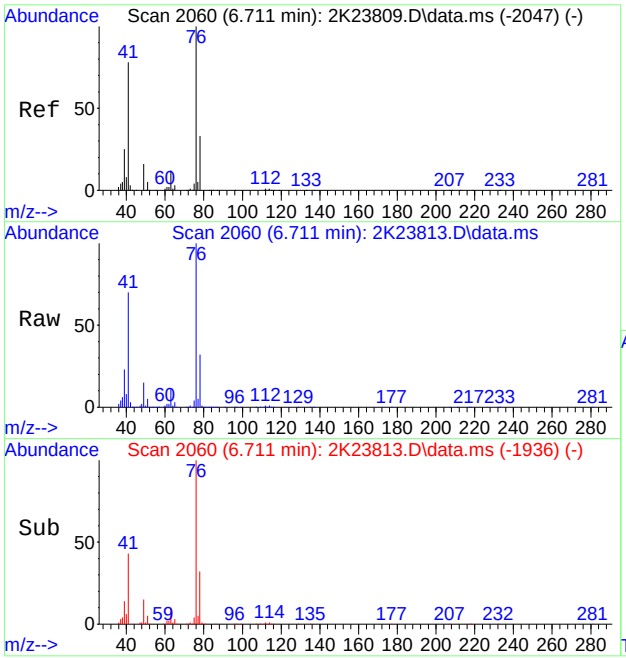


#79
2-hexanone
Concen: 752.75 ug/L
RT: 6.910 min Scan# 2122
Delta R.T. 0.003 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion: 58 Resp: 3878137

Ion	Ratio	Lower	Upper
58	100		
43	183.6	168.9	208.9
85	13.7	0.0	33.1
100	19.5	0.0	39.1

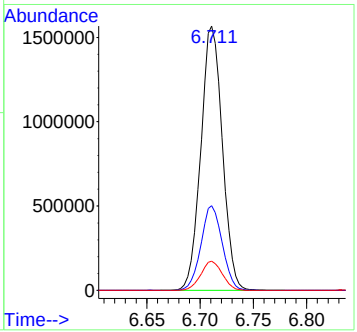


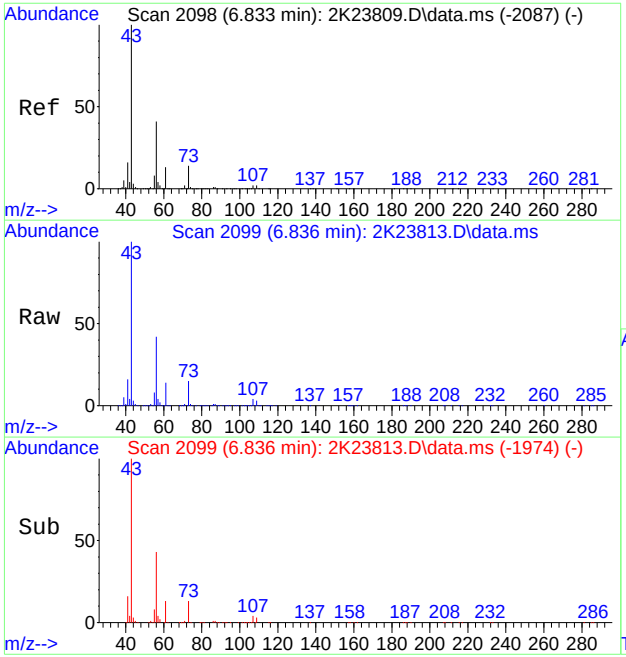


#80
1,3-dichloropropane
Concen: 203.59 ug/L
RT: 6.711 min Scan# 2060
Delta R.T. -0.000 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion: 76 Resp: 2195435

Ion	Ratio	Lower	Upper
76	100		
78	32.0	2.9	62.9
63	11.0	0.0	42.3

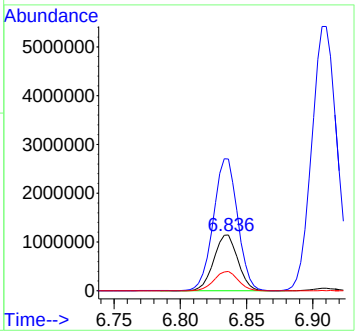


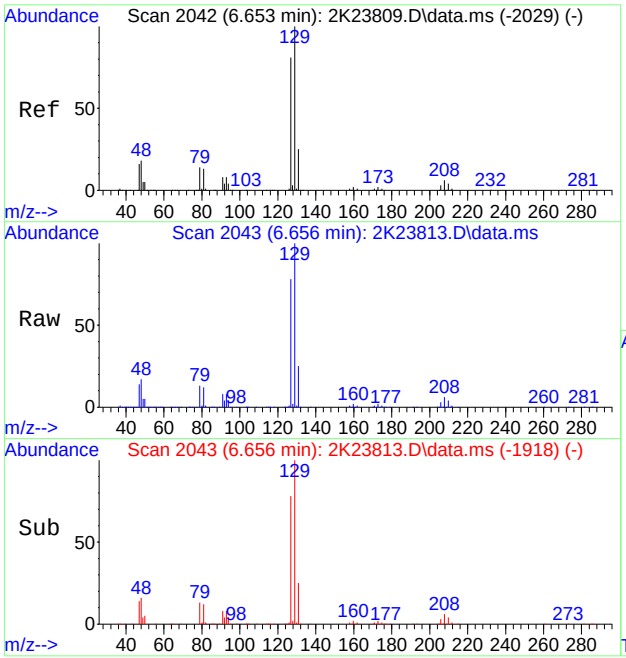


#81
butyl acetate
Concen: 192.74 ug/L
RT: 6.836 min Scan# 2099
Delta R.T. 0.003 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion: 56 Resp: 1447357

Ion	Ratio	Lower	Upper
56	100		
43	235.2	213.5	273.5
73	34.7	4.2	64.2

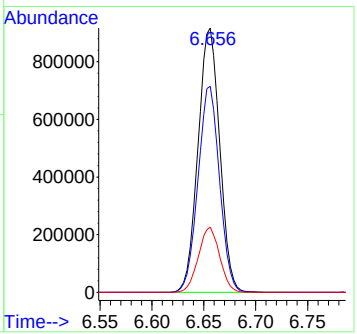


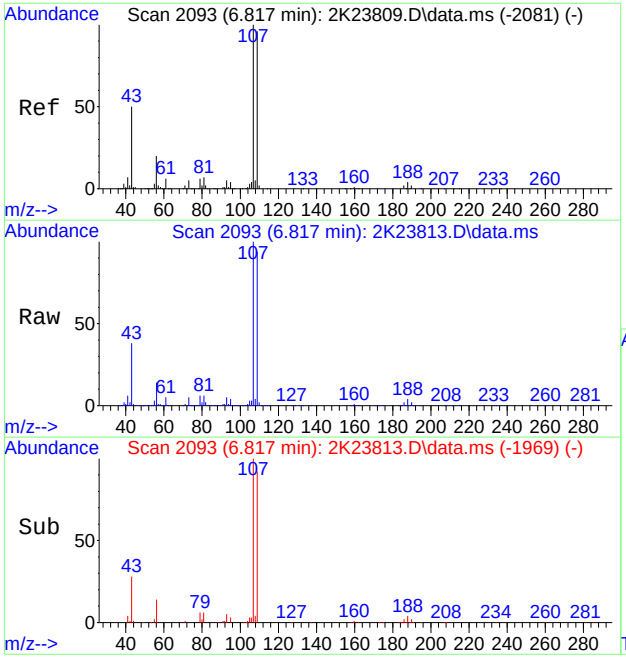


#82
dibromochloromethane
Concen: 208.49 ug/L
RT: 6.656 min Scan# 2043
Delta R.T. 0.003 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion:129 Resp: 1335376

Ion	Ratio	Lower	Upper
129	100		
127	77.9	50.8	110.8
131	24.7	0.0	55.3

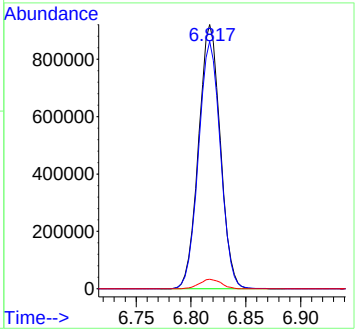


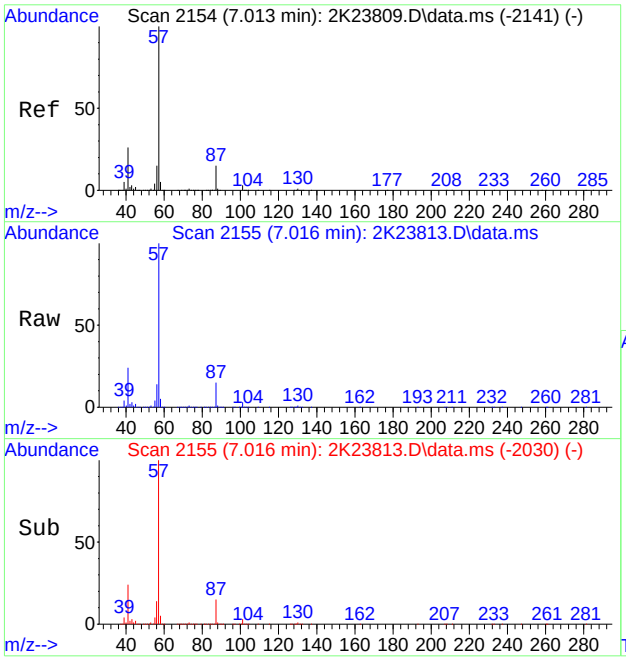


#83
1,2-dibromoethane
Concen: 210.54 ug/L
RT: 6.817 min Scan# 2093
Delta R.T. -0.000 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion:107 Resp: 1265832

Ion	Ratio	Lower	Upper
107	100		
109	93.6	65.7	125.7
188	3.6	0.0	33.6

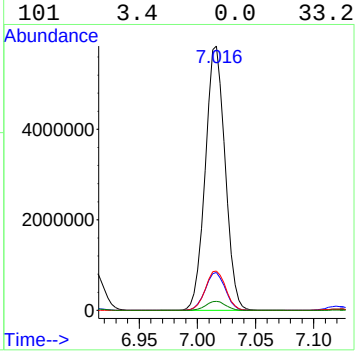


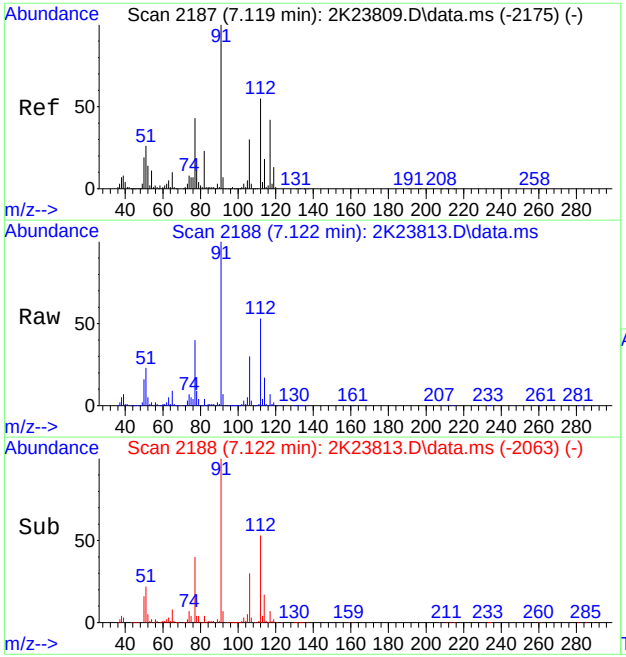


#84
n-butyl ether
Concen: 202.19 ug/L
RT: 7.016 min Scan# 2155
Delta R.T. 0.003 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion: 57 Resp: 6917801

Ion	Ratio	Lower	Upper
57	100		
56	14.3	0.0	45.2
87	14.8	0.0	45.0
101	3.4	0.0	33.2

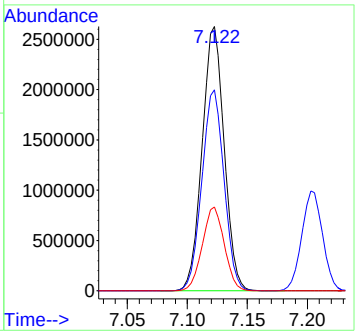


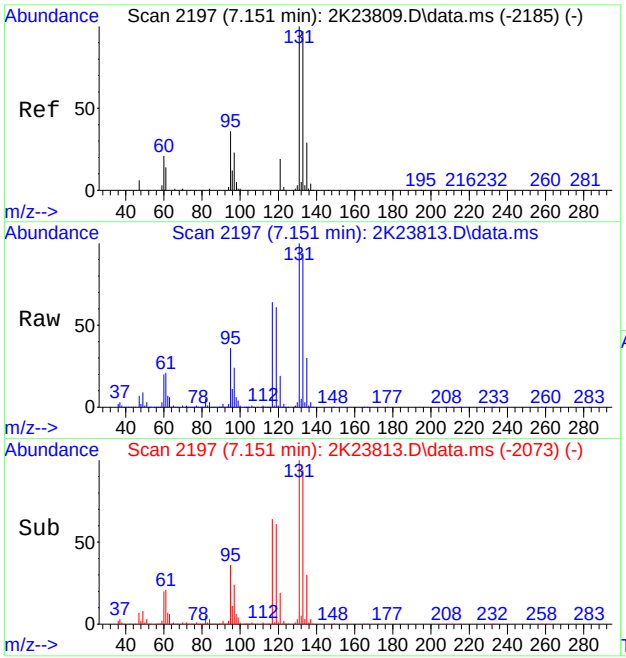


#85
chlorobenzene
Concen: 196.33 ug/L
RT: 7.122 min Scan# 2188
Delta R.T. 0.003 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion:112 Resp: 3345721

Ion	Ratio	Lower	Upper
112	100		
77	76.0	49.5	109.5
114	31.7	2.1	62.1

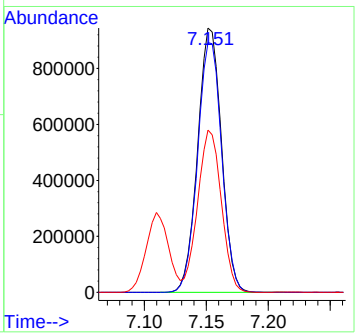


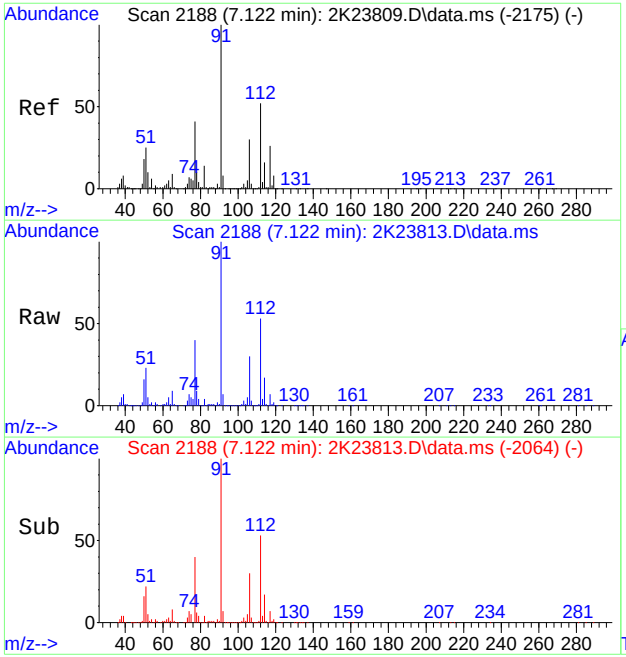


#86
1,1,1,2-tetrachloroethane
Concen: 209.56 ug/L
RT: 7.151 min Scan# 2197
Delta R.T. -0.000 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion:131 Resp: 1261584

Ion	Ratio	Lower	Upper
131	100		
133	94.5	66.7	126.7
119	61.2	31.1	91.1

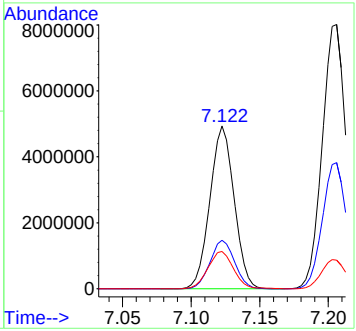


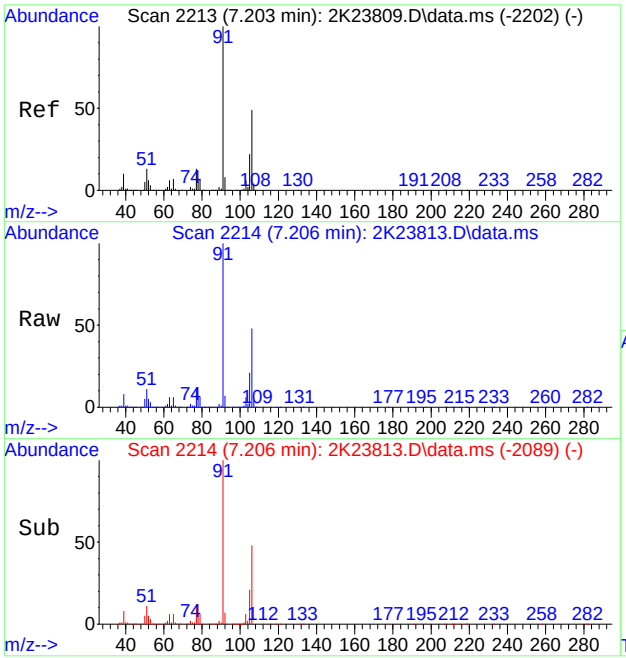


#87
ethylbenzene
Concen: 193.30 ug/L
RT: 7.122 min Scan# 2188
Delta R.T. 0.000 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion: 91 Resp: 6068934

Ion	Ratio	Lower	Upper
91	100		
106	29.9	0.3	60.3
51	22.9	0.0	55.4

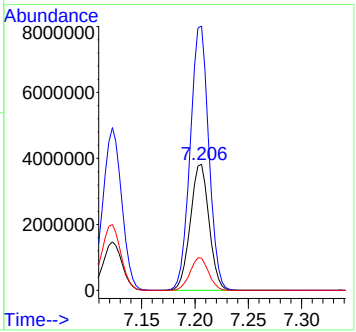


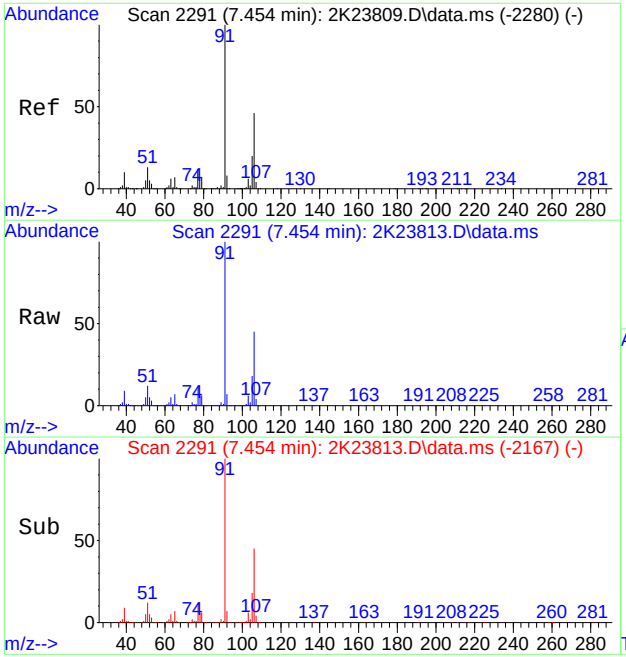


#88
m,p-xylene
Concen: 406.51 ug/L
RT: 7.206 min Scan# 2214
Delta R.T. 0.003 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion:106 Resp: 4655105

Ion	Ratio	Lower	Upper
106	100		
91	209.7	173.5	233.5
77	25.5	7.0	47.0

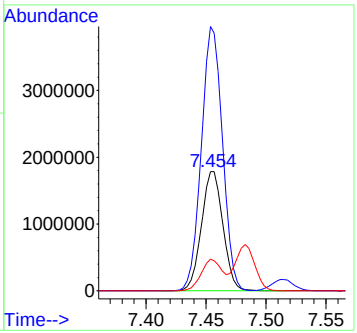


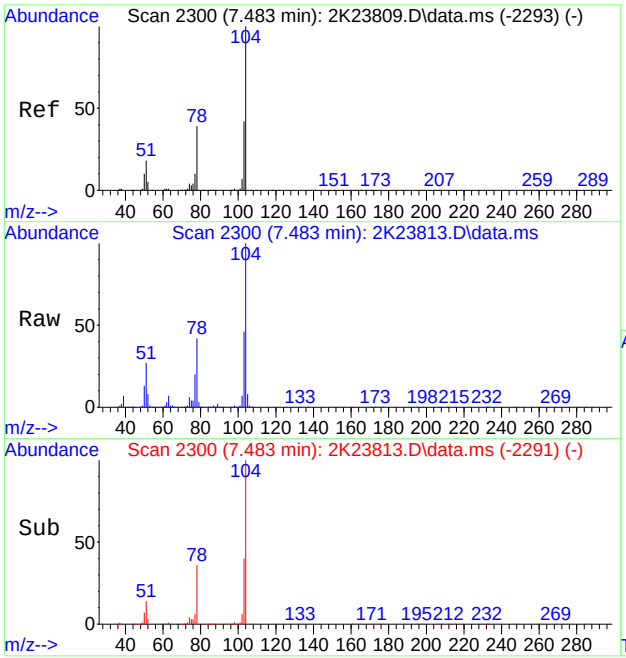


#89
o-xylene
Concen: 199.18 ug/L
RT: 7.454 min Scan# 2291
Delta R.T. -0.000 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion:106 Resp: 2222983

Ion	Ratio	Lower	Upper
106	100		
91	221.7	186.3	246.3
77	26.6	6.7	46.7

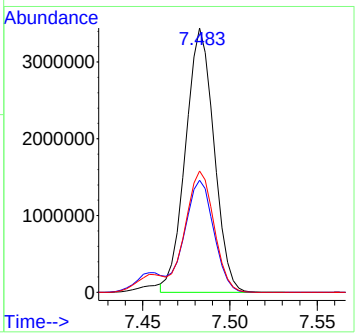


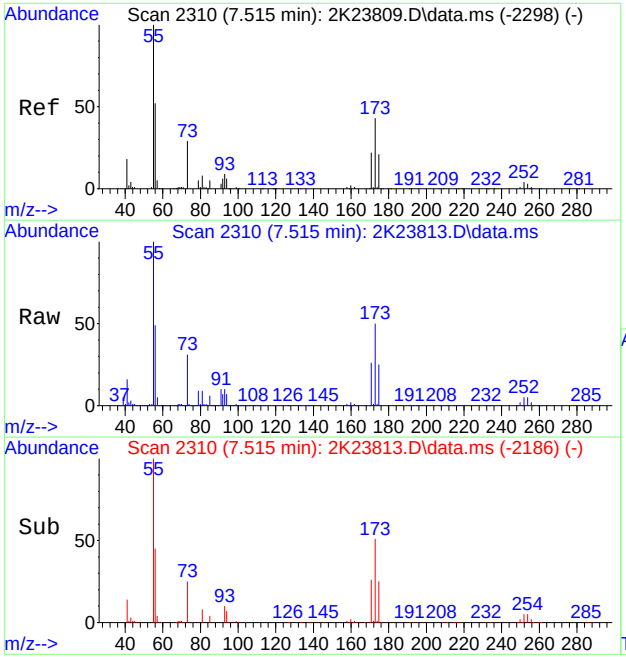


#90
styrene
Concen: 206.40 ug/L
RT: 7.483 min Scan# 2300
Delta R.T. -0.000 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion:104 Resp: 3898556

Ion	Ratio	Lower	Upper
104	100		
78	42.4	14.3	74.3
103	45.9	17.0	77.0

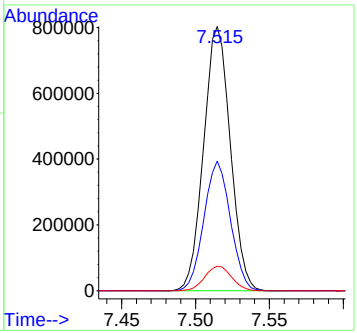


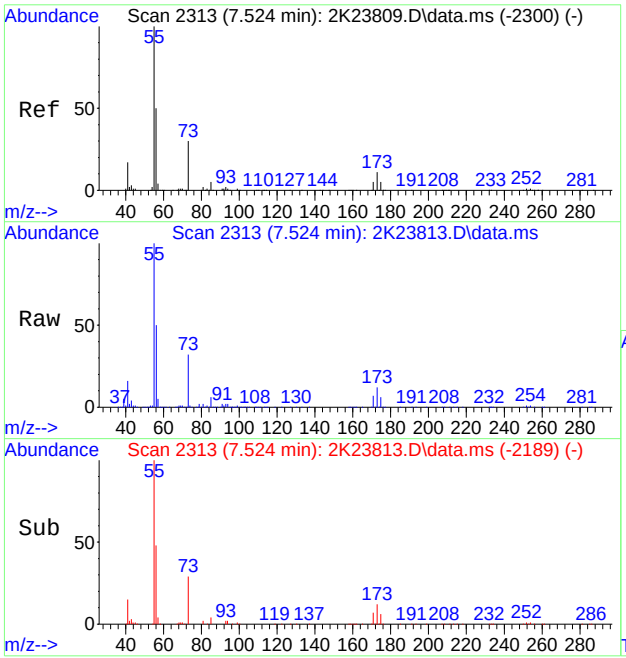


#91
bromoform
Concen: 196.36 ug/L
RT: 7.515 min Scan# 2310
Delta R.T. 0.000 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion:173 Resp: 1007371

Ion	Ratio	Lower	Upper
173	100		
175	49.0	18.6	78.6
254	9.4	0.0	37.9

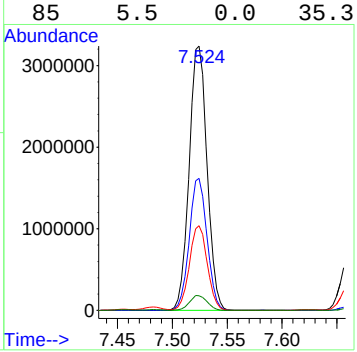


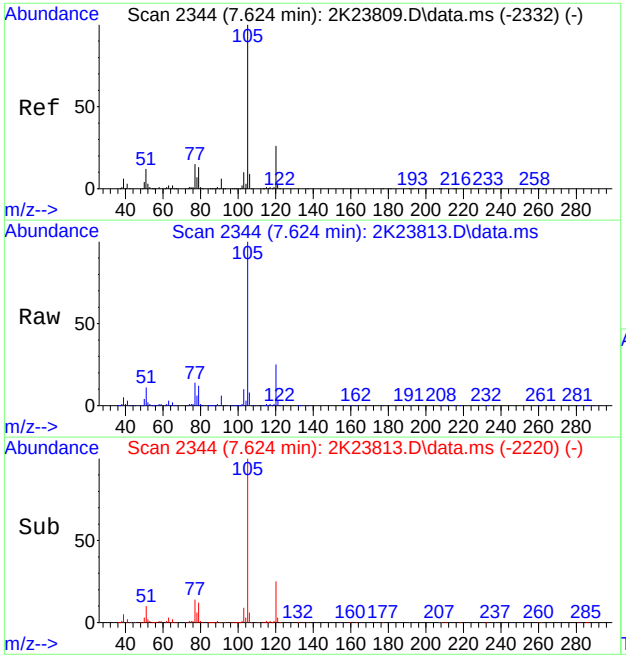


#92
butyl acrylate
Concen: 191.51 ug/L
RT: 7.524 min Scan# 2313
Delta R.T. -0.000 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion: 55 Resp: 3685170

Ion	Ratio	Lower	Upper
55	100		
56	49.9	20.5	80.5
73	32.0	0.7	60.7
85	5.5	0.0	35.3

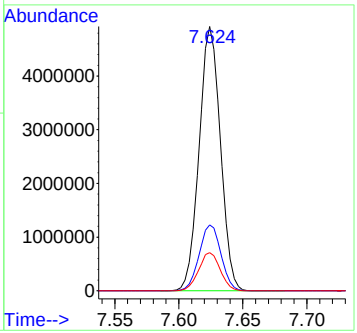


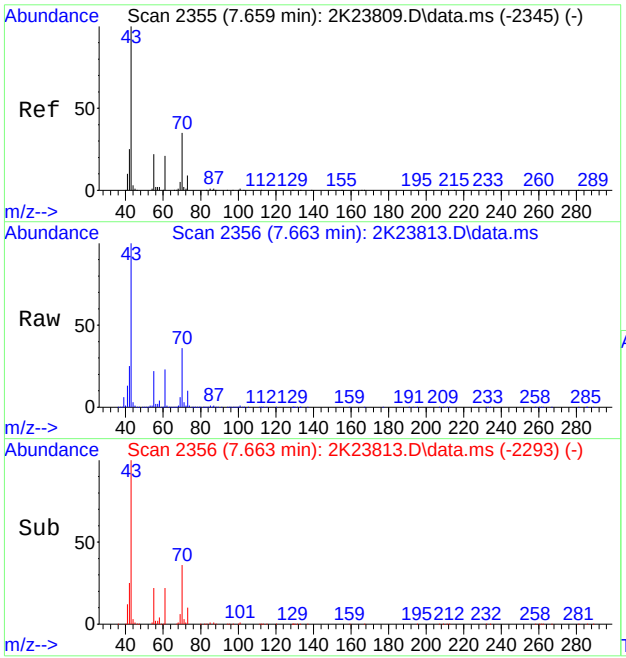


#93
isopropylbenzene
Concen: 205.83 ug/L
RT: 7.624 min Scan# 2344
Delta R.T. -0.000 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion:105 Resp: 5691716

Ion	Ratio	Lower	Upper
105	100		
120	25.0	6.4	46.4
77	14.4	0.0	35.1

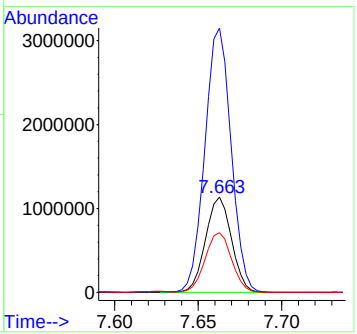


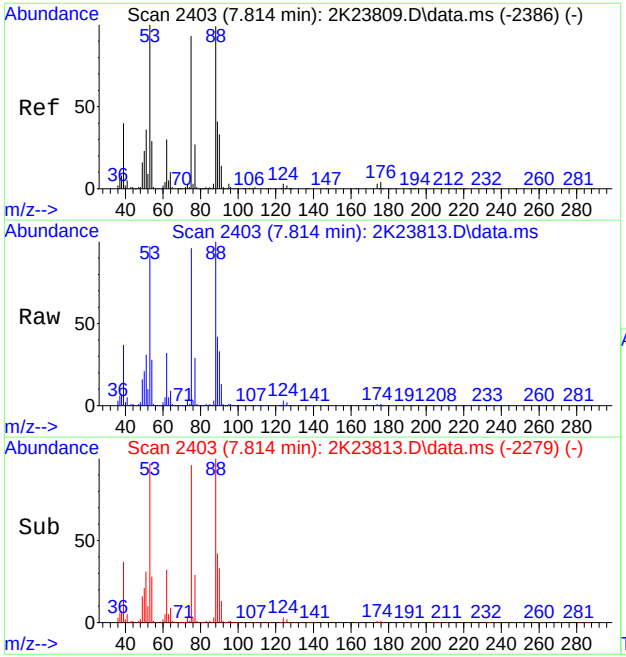


#94
n-amyl acetate
Concen: 198.69 ug/L
RT: 7.663 min Scan# 2356
Delta R.T. 0.003 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion: 70 Resp: 1226688

Ion	Ratio	Lower	Upper
70	100		
43	277.0	265.5	305.5
61	62.6	41.9	81.9

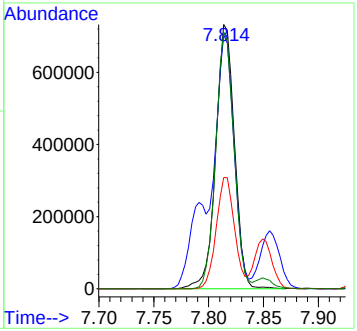


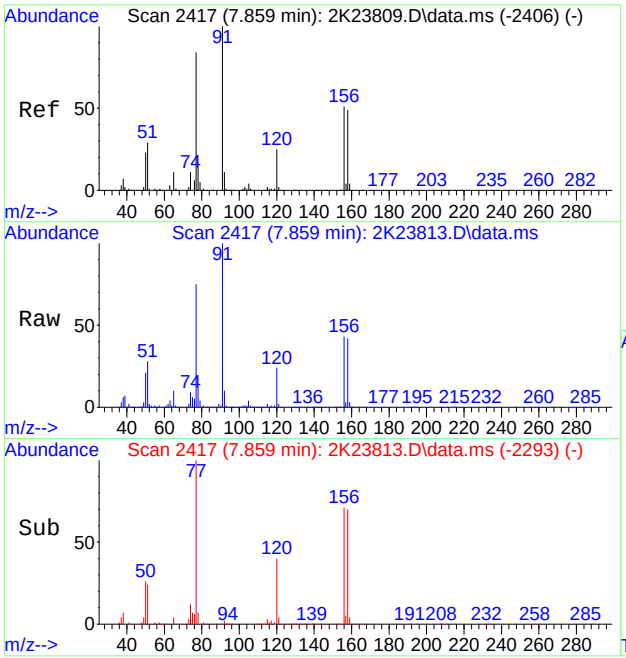


#95
cis-1,4-dichloro-2-butene
Concen: 196.41 ug/L
RT: 7.814 min Scan# 2403
Delta R.T. -0.000 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion: 88 Resp: 872317

Ion	Ratio	Lower	Upper
88	100		
75	95.9	73.7	113.7
89	42.1	20.9	60.9
53	97.1	81.0	121.0

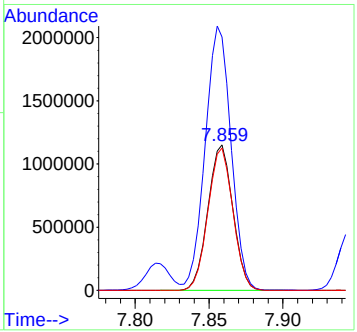


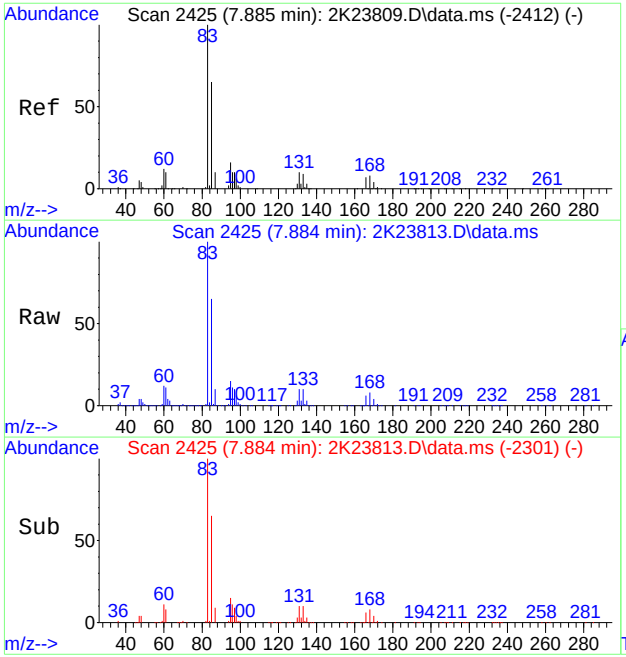


#98
bromobenzene
Concen: 197.73 ug/L
RT: 7.859 min Scan# 2417
Delta R.T. -0.000 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion:156 Resp: 1351248

Ion	Ratio	Lower	Upper
156	100		
77	174.0	144.3	204.3
158	97.8	66.5	126.5

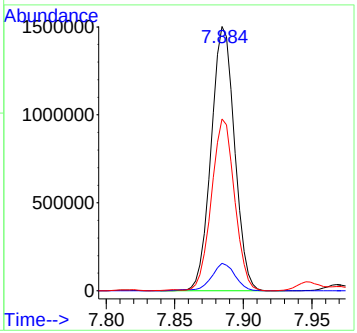


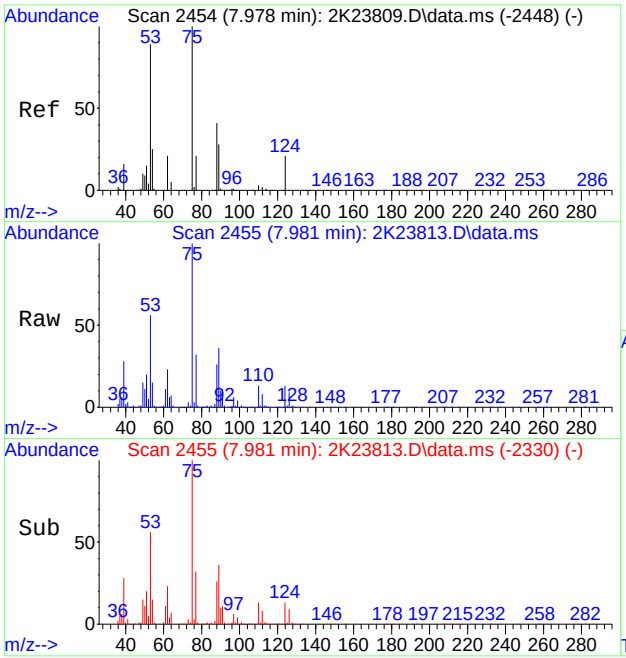


#99
1,1,2,2-tetrachloroethane
Concen: 202.33 ug/L
RT: 7.884 min Scan# 2425
Delta R.T. -0.000 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion: 83 Resp: 1783934

Ion	Ratio	Lower	Upper
83	100		
131	10.4	0.0	40.0
85	64.8	35.3	95.3

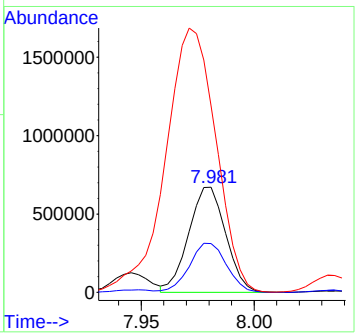


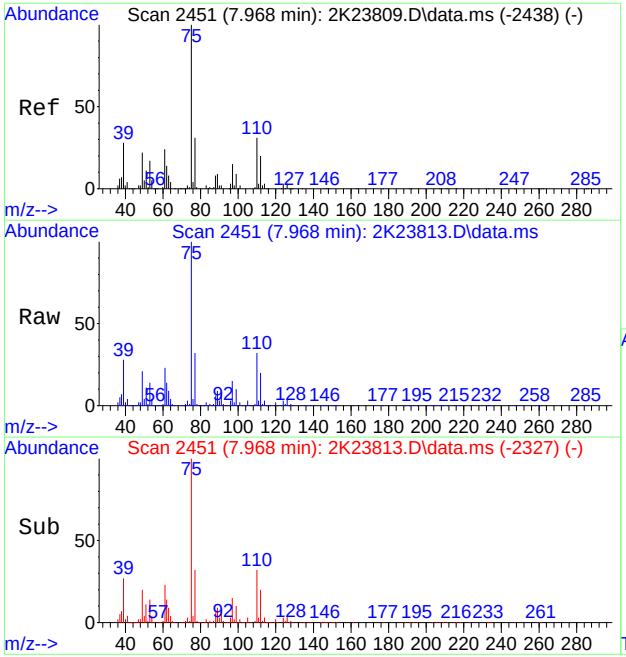


#100
trans-1,4-dichloro-2-butene
Concen: 187.96 ug/L
RT: 7.981 min Scan# 2455
Delta R.T. 0.003 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion: 53 Resp: 765296

Ion	Ratio	Lower	Upper
53	100		
88	46.5	15.2	75.2
75	177.0	166.9	226.9

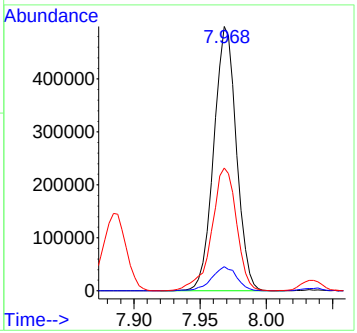


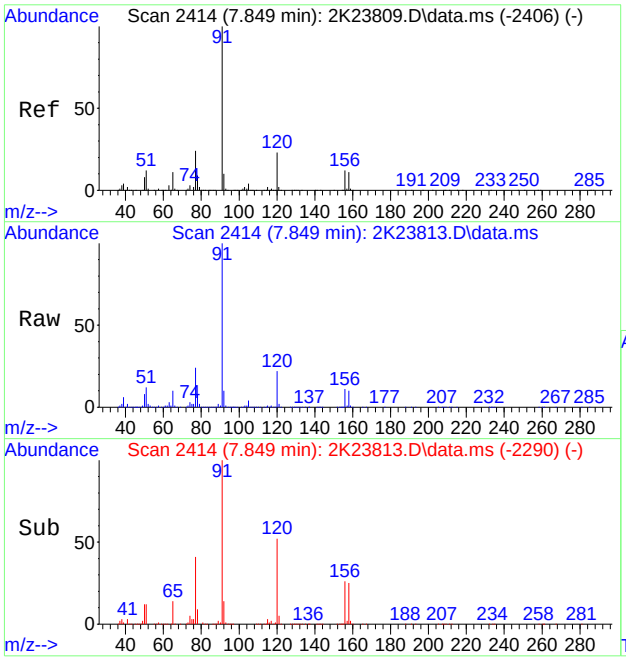


#101
1,2,3-trichloropropane
Concen: 197.53 ug/L
RT: 7.968 min Scan# 2451
Delta R.T. -0.000 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion:110 Resp: 591224

Ion	Ratio	Lower	Upper
110	100		
111	9.1	0.0	39.3
97	46.5	17.7	77.7

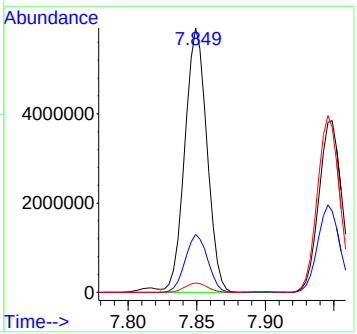


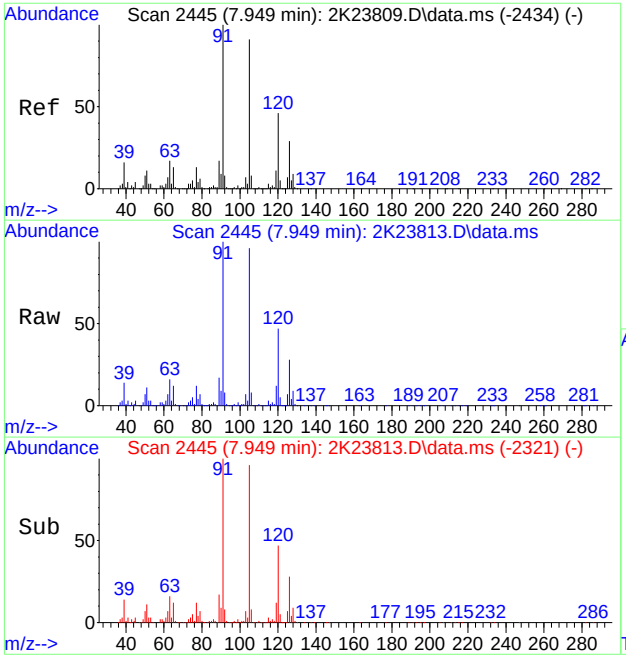


#102
n-propylbenzene
Concen: 212.28 ug/L
RT: 7.849 min Scan# 2414
Delta R.T. -0.000 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion: 91 Resp: 6607192

Ion	Ratio	Lower	Upper
91	100		
120	21.9	0.0	52.7
105	3.5	0.0	34.0

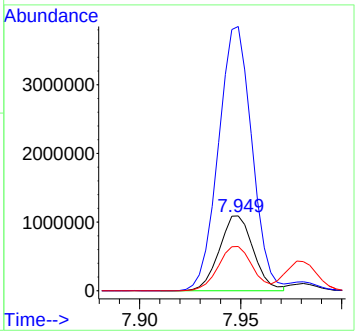


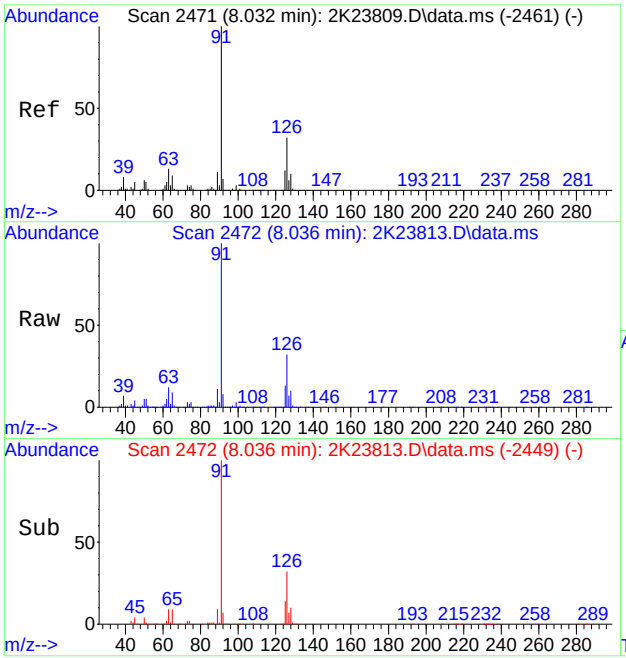


#103
2-chlorotoluene
Concen: 200.50 ug/L
RT: 7.949 min Scan# 2445
Delta R.T. 0.000 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion:126 Resp: 1283721

Ion	Ratio	Lower	Upper
126	100		
91	353.3	309.9	369.9
89	59.2	27.7	87.7

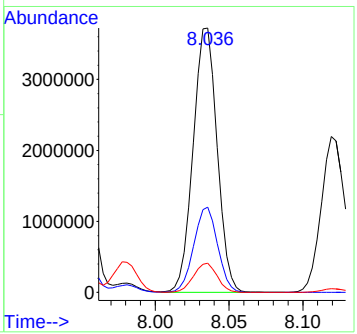


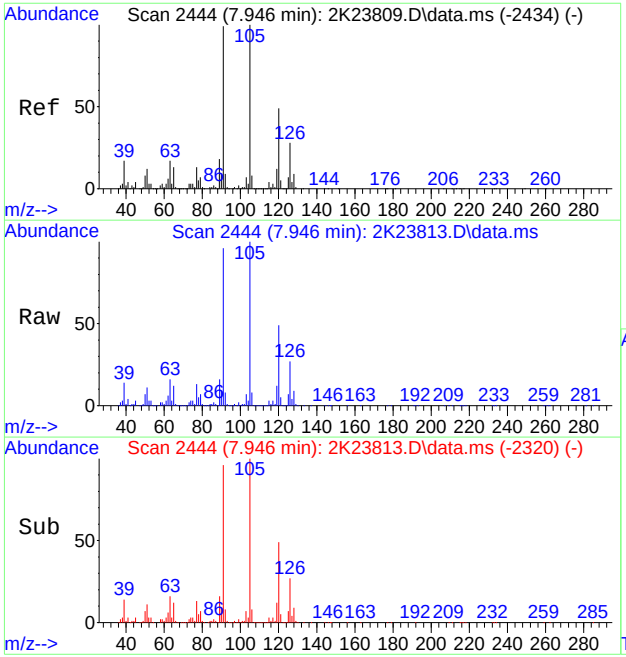


#104
4-chlorotoluene
Concen: 205.58 ug/L
RT: 8.036 min Scan# 2472
Delta R.T. 0.003 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion: 91 Resp: 4205824

Ion	Ratio	Lower	Upper
91	100		
126	32.3	1.8	61.8
89	11.1	0.0	41.0

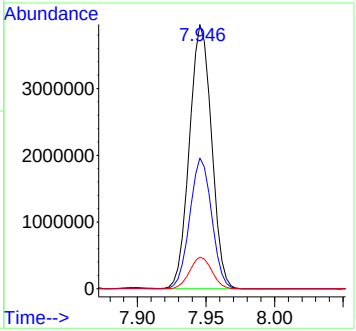


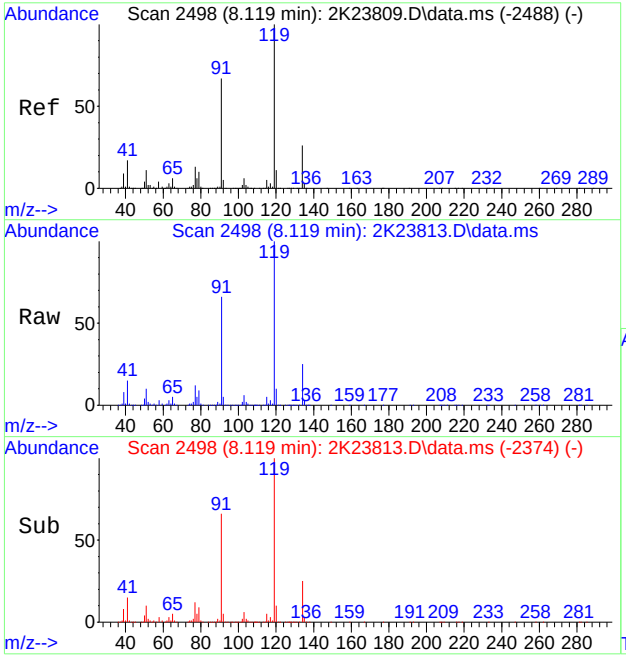


#105
1,3,5-trimethylbenzene
Concen: 208.35 ug/L
RT: 7.946 min Scan# 2444
Delta R.T. 0.000 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion:105 Resp: 4438930

Ion	Ratio	Lower	Upper
105	100		
120	49.5	19.0	79.0
119	12.0	0.0	42.0

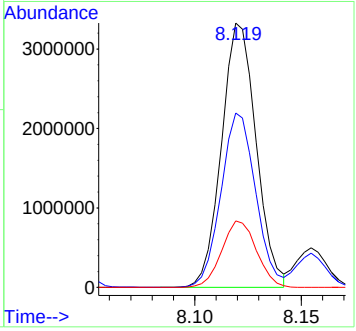


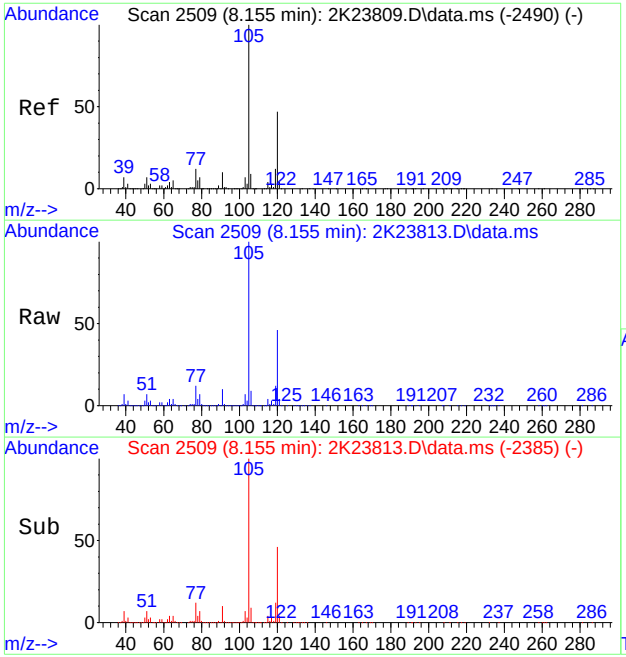


#106
tert-butylbenzene
Concen: 205.08 ug/L
RT: 8.119 min Scan# 2498
Delta R.T. -0.000 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion:119 Resp: 3753416

Ion	Ratio	Lower	Upper
119	100		
91	65.9	37.4	97.4
134	25.1	0.0	55.8

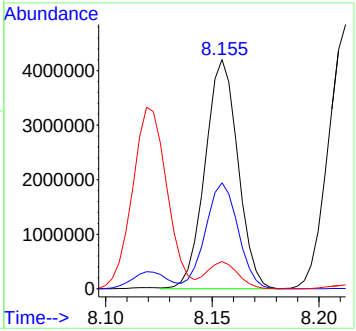


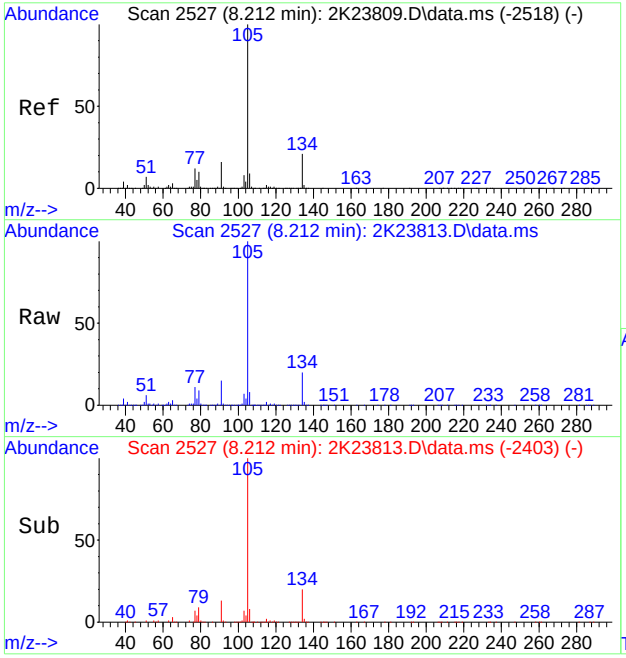


#107
1,2,4-trimethylbenzene
Concen: 213.41 ug/L
RT: 8.155 min Scan# 2509
Delta R.T. -0.000 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion:105 Resp: 4503148

Ion	Ratio	Lower	Upper
105	100		
120	46.2	16.8	76.8
119	11.9	0.0	42.0

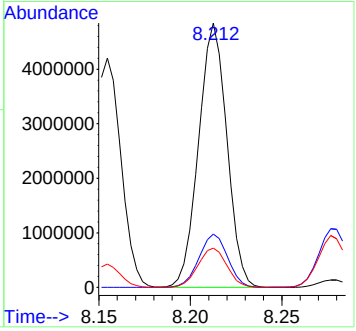


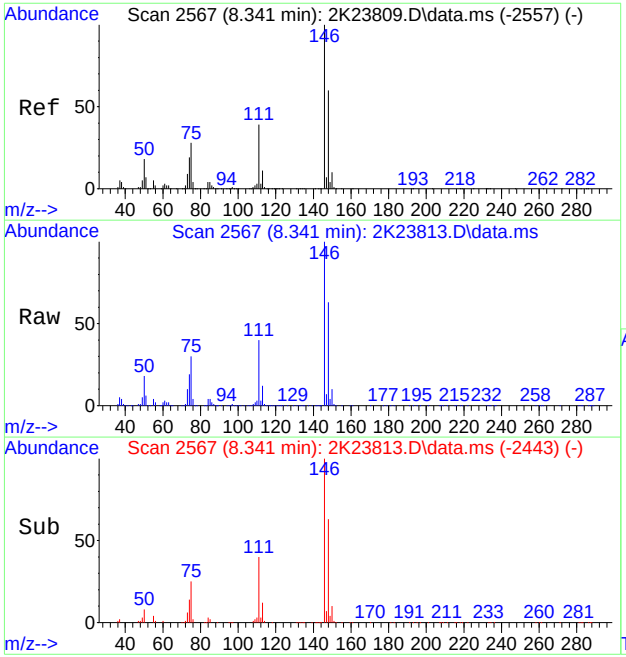


#108
sec-butylbenzene
Concen: 216.99 ug/L
RT: 8.212 min Scan# 2527
Delta R.T. -0.000 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion:105 Resp: 5214886

Ion	Ratio	Lower	Upper
105	100		
134	20.2	0.0	51.4
91	14.9	0.0	45.7

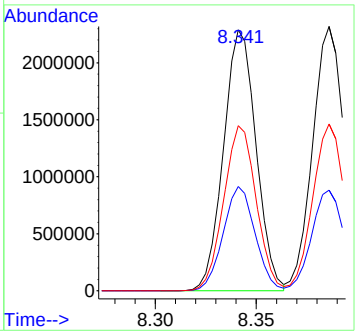


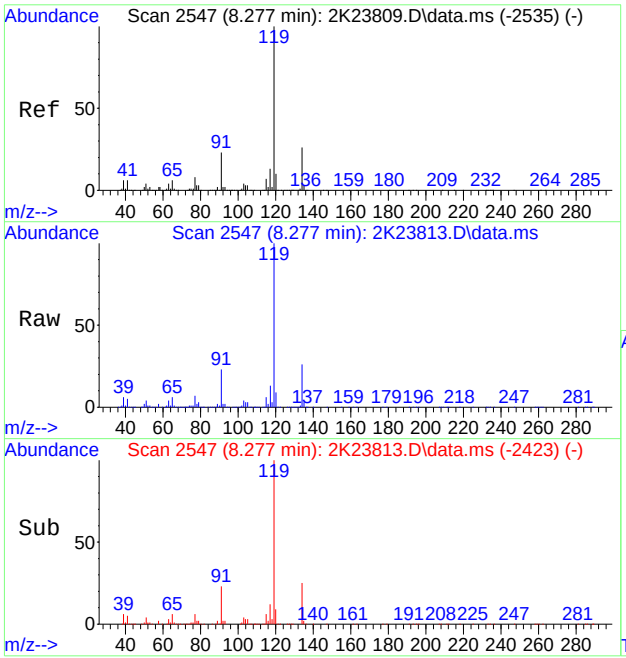


#109
1,3-dichlorobenzene
Concen: 203.52 ug/L
RT: 8.341 min Scan# 2567
Delta R.T. 0.000 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion:146 Resp: 2567534

Ion	Ratio	Lower	Upper
146	100		
111	40.0	8.6	68.6
148	63.2	29.8	89.8

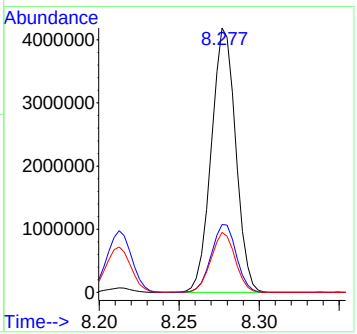


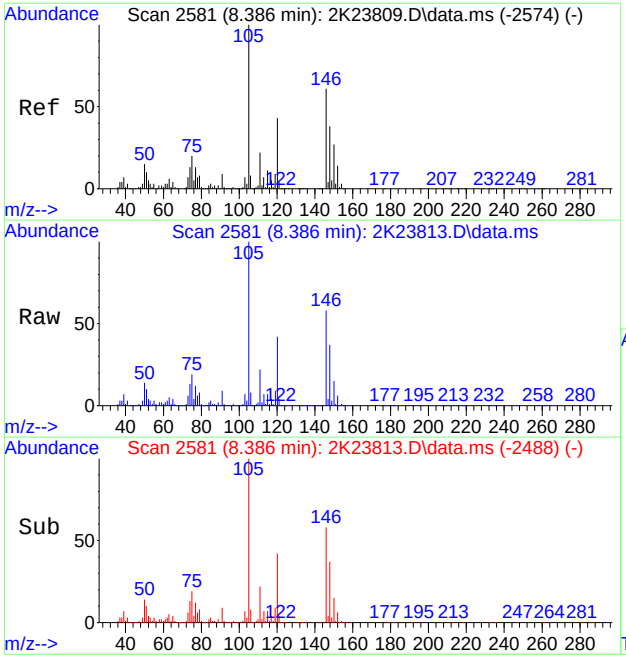


#110
p-isopropyltoluene
Concen: 211.16 ug/L
RT: 8.277 min Scan# 2547
Delta R.T. -0.000 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion:119 Resp: 4435991

Ion	Ratio	Lower	Upper
119	100		
134	25.7	0.0	56.0
91	22.7	0.0	53.4

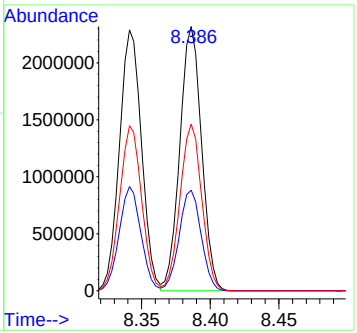


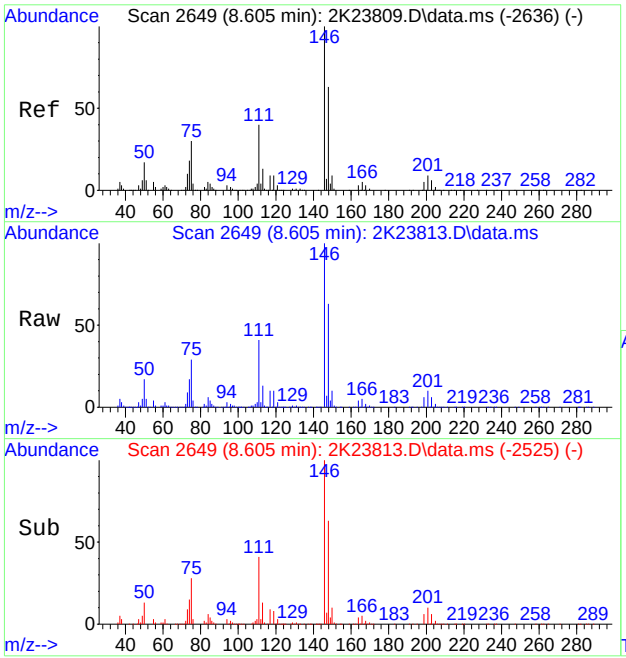


#111
1,4-dichlorobenzene
Concen: 203.13 ug/L
RT: 8.386 min Scan# 2581
Delta R.T. -0.000 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion:146 Resp: 2554886

Ion	Ratio	Lower	Upper
146	100		
111	38.0	6.3	66.3
148	63.1	32.9	92.9

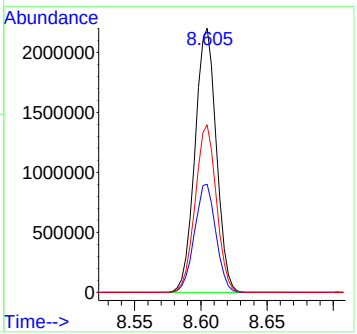


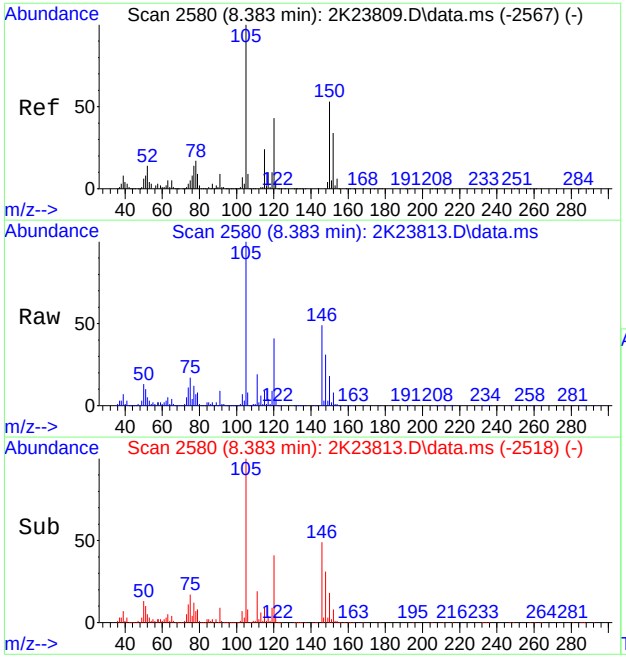


#112
1,2-dichlorobenzene
Concen: 204.90 ug/L
RT: 8.605 min Scan# 2649
Delta R.T. -0.000 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion:146 Resp: 2460522

Ion	Ratio	Lower	Upper
146	100		
111	40.9	10.0	70.0
148	63.4	33.3	93.3

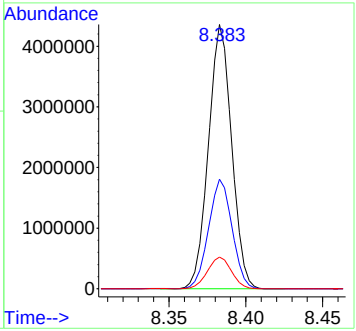


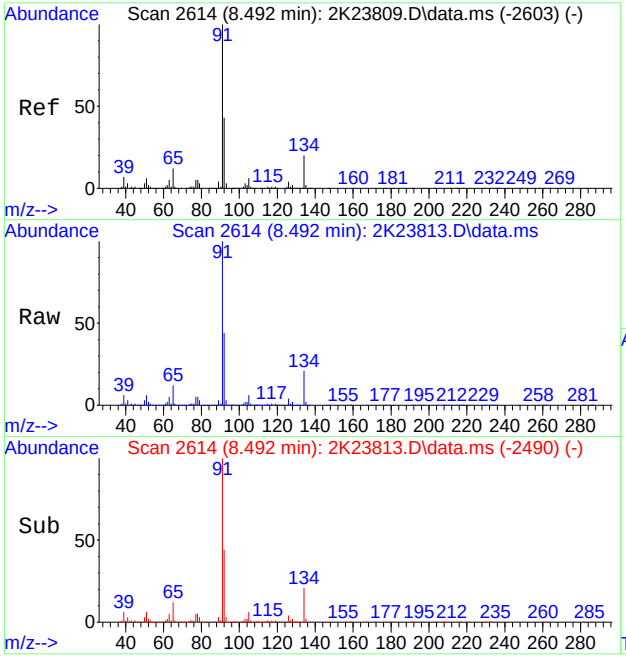


#113
1,2,3-trimethylbenzene
Concen: 207.02 ug/L
RT: 8.383 min Scan# 2580
Delta R.T. 0.000 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion:105 Resp: 4573544

Ion	Ratio	Lower	Upper
105	100		
120	41.4	13.3	73.3
77	11.9	0.0	43.9

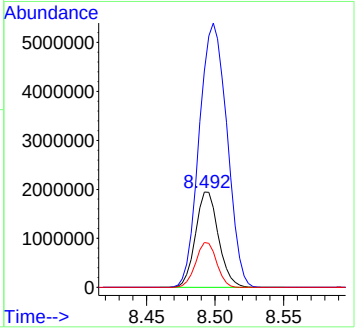


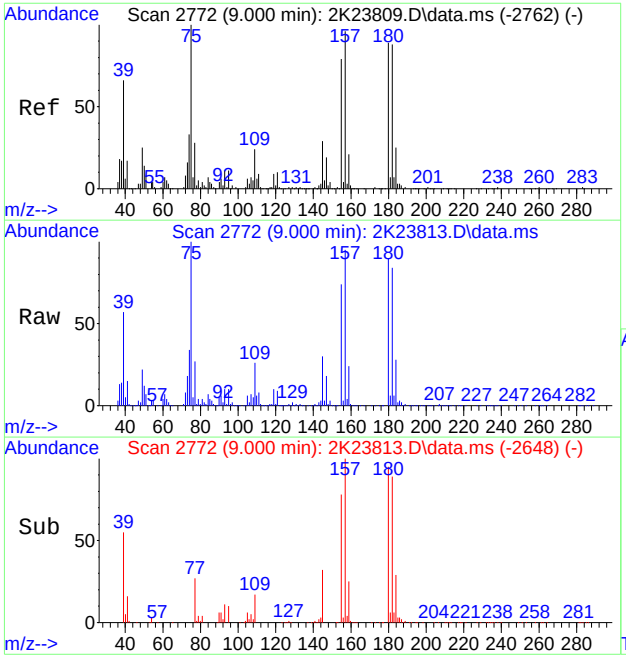


#114
n-butylbenzene
Concen: 217.80 ug/L
RT: 8.492 min Scan# 2614
Delta R.T. 0.000 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion: 92 Resp: 2270491

Ion	Ratio	Lower	Upper
92	100		
91	227.0	203.0	263.0
134	47.0	17.1	77.1

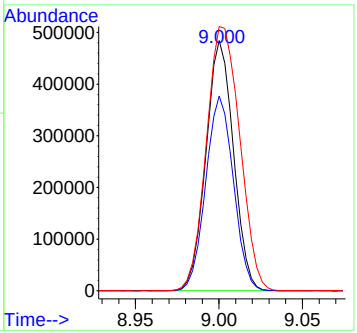


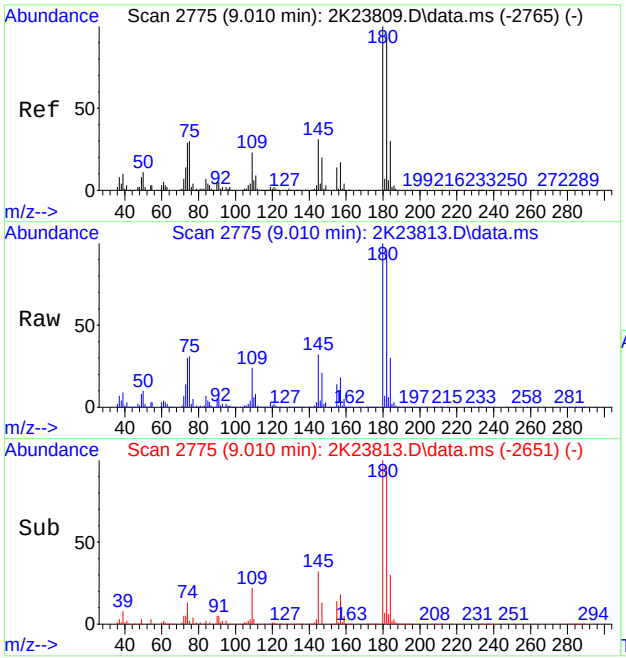


#115
1,2-dibromo-3-chloropropane
Concen: 202.35 ug/L
RT: 9.000 min Scan# 2772
Delta R.T. -0.000 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion:157 Resp: 555051

Ion	Ratio	Lower	Upper
157	100		
155	77.9	52.3	112.3
75	105.6	74.2	134.2

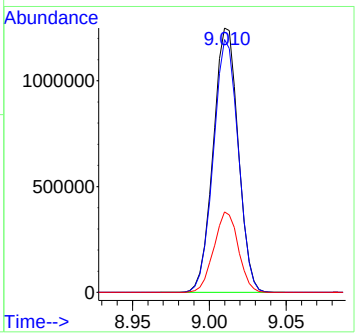


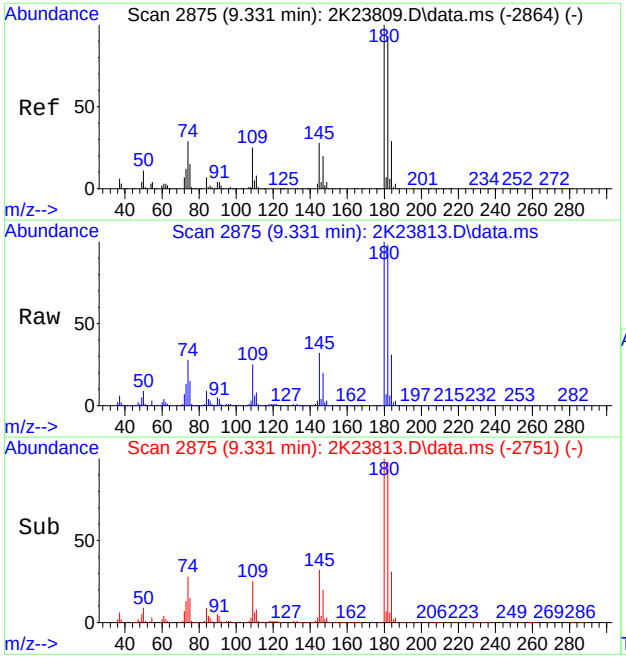


#116
1,3,5-trichlorobenzene
Concen: 204.79 ug/L
RT: 9.010 min Scan# 2775
Delta R.T. 0.000 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion:180 Resp: 1414291

Ion	Ratio	Lower	Upper
180	100		
182	95.6	74.7	114.7
184	30.4	9.9	49.9

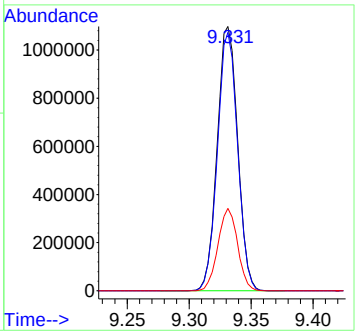


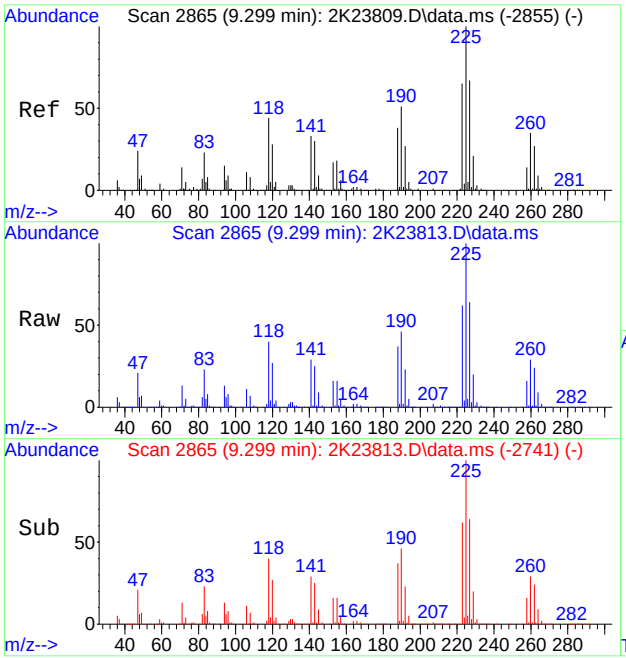


#117
1,2,4-trichlorobenzene
Concen: 208.58 ug/L
RT: 9.331 min Scan# 2875
Delta R.T. -0.000 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion:180 Resp: 1262575

Ion	Ratio	Lower	Upper
180	100		
182	97.7	63.0	123.0
184	31.1	0.0	59.0

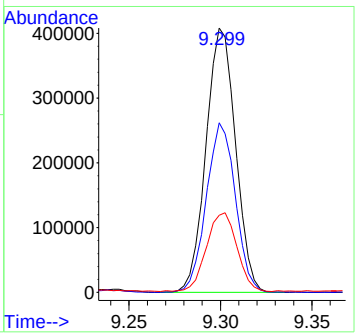


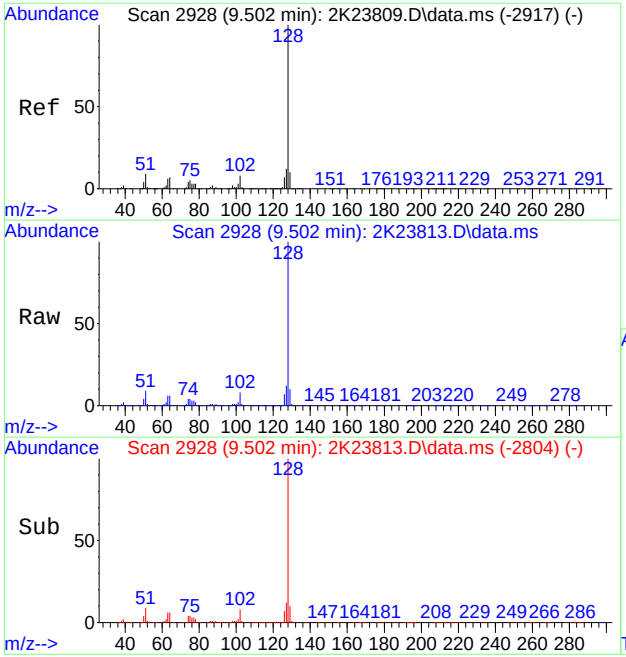


#118
hexachlorobutadiene
Concen: 206.15 ug/L
RT: 9.299 min Scan# 2865
Delta R.T. -0.000 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion:225 Resp: 460291

Ion	Ratio	Lower	Upper
225	100		
227	64.1	36.8	96.8
260	28.7	5.2	65.2

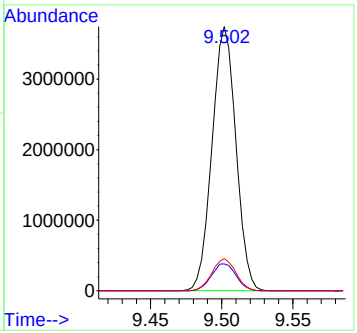


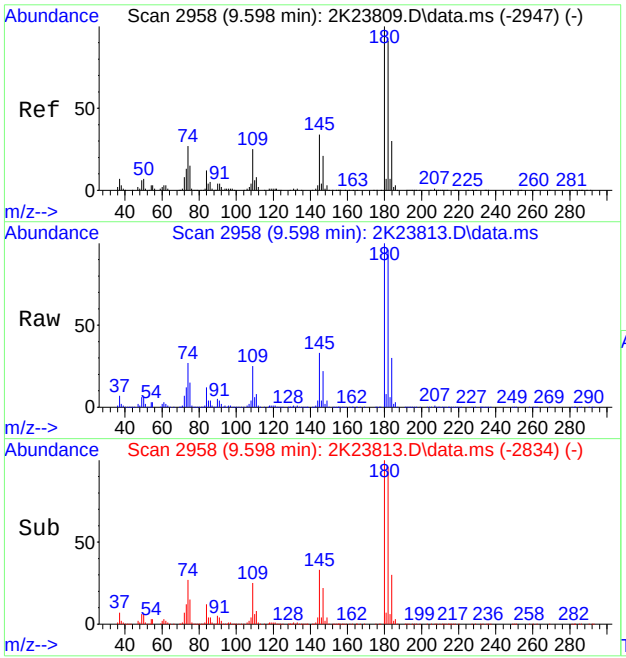


#119
naphthalene
Concen: 202.71 ug/L
RT: 9.502 min Scan# 2928
Delta R.T. -0.000 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion:128 Resp: 4377970

Ion	Ratio	Lower	Upper
128	100		
129	10.2	0.0	40.4
127	12.2	0.0	42.1

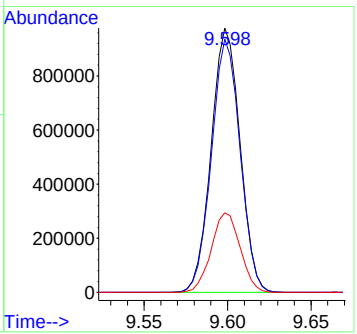


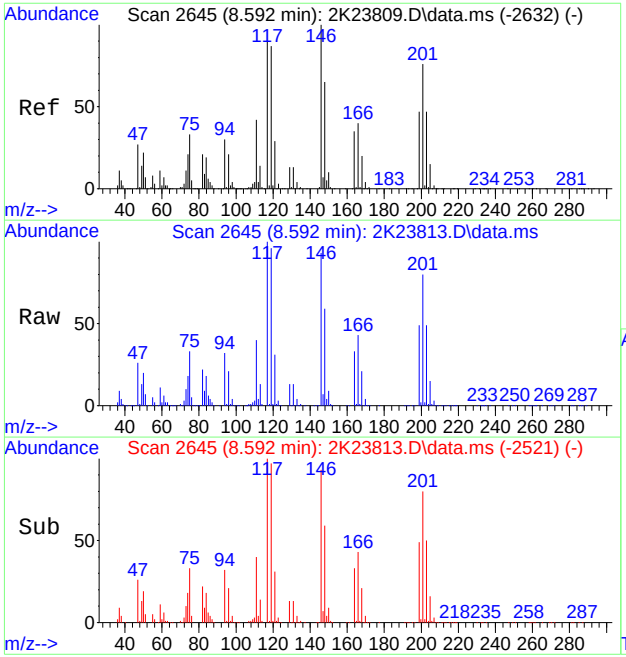


#120
1,2,3-trichlorobenzene
Concen: 203.63 ug/L
RT: 9.598 min Scan# 2958
Delta R.T. 0.000 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion:180 Resp: 1172592

Ion	Ratio	Lower	Upper
180	100		
182	95.9	60.8	120.8
184	30.1	0.3	60.3

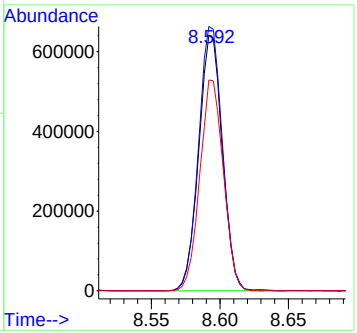


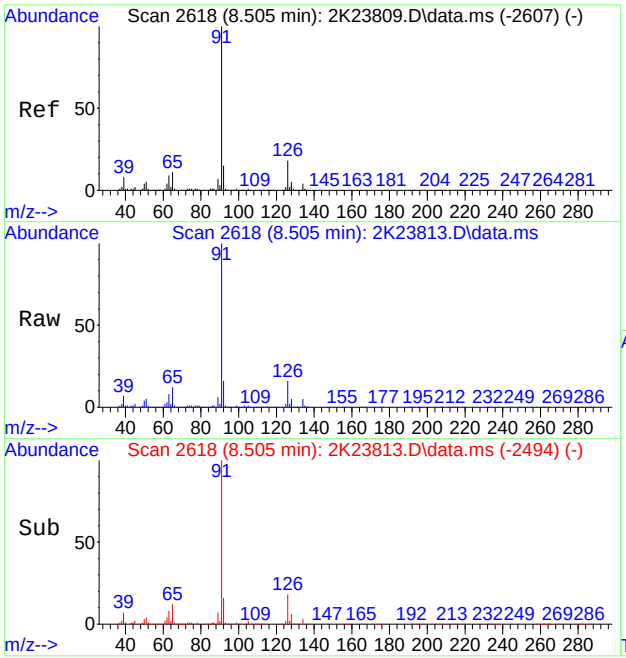


#121
hexachloroethane
Concen: 199.85 ug/L
RT: 8.592 min Scan# 2645
Delta R.T. -0.000 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion:119 Resp: 764411

Ion	Ratio	Lower	Upper
119	100		
117	103.7	72.5	132.5
201	82.7	56.6	116.6

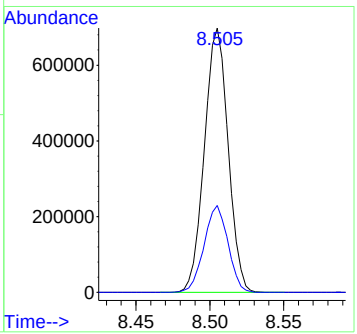


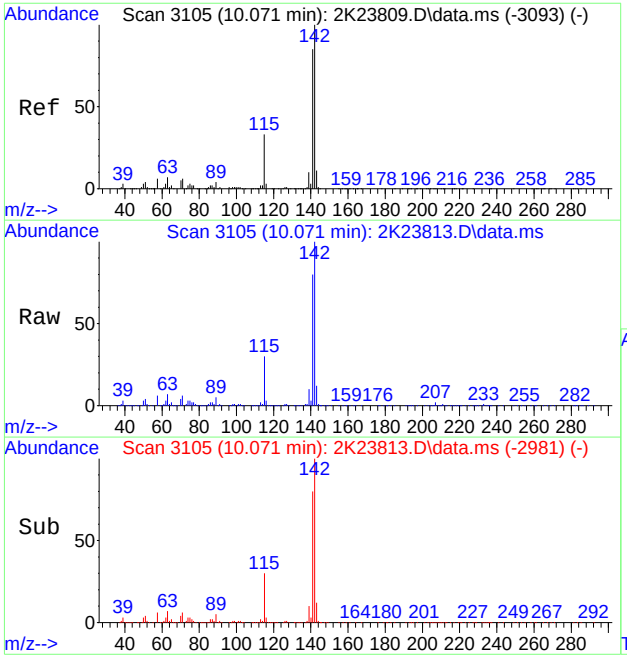


#122
benzyl chloride
Concen: 195.11 ug/L
RT: 8.505 min Scan# 2618
Delta R.T. -0.000 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion:126 Resp: 777469

Ion	Ratio	Lower	Upper
126	100		
128	32.9	1.1	61.1

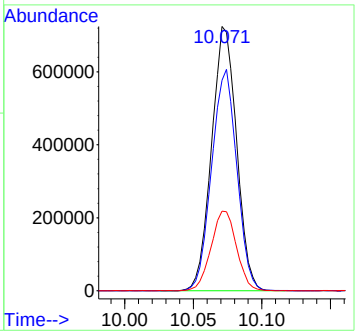




#123
2-methylnaphthalene
Concen: 85.10 ug/L
RT: 10.071 min Scan# 3105
Delta R.T. 0.000 min
Lab File: 2K23813.D
Acq: 6 Sep 2025 2:31 am

Tgt Ion:142 Resp: 920472

Ion	Ratio	Lower	Upper
142	100		
141	79.6	54.5	114.5
115	30.0	3.3	63.3



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 2K23819.D
Acq On : 6 Sep 2025 4:13 am
Operator : PrashanS
Sample : ICV658-50
Misc : MS95614,V2K658,5,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 08 13:26:16 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 13:21:53 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	3.502	65	839879	500.00	ug/L	0.00
5) pentafluorobenzene	4.810	168	827180	50.00	ug/L	0.00
50) 1,4-difluorobenzene	5.174	114	1323019	50.00	ug/L	0.00
72) chlorobenzene-d5	7.109	117	1076394	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	8.376	152	524825	50.00	ug/L	0.00
124) pentafluorobenzene(a)	4.810	168	827180	50.00	ug/L	0.00
128) 1,4-dichlorobenzene-d4(a)	8.376	152	524825	50.00	ug/L	0.00
System Monitoring Compounds						
42) dibromofluoromethane (s)	4.531	113	347216	49.21	ug/L	0.00
Spiked Amount 50.000	Range 75 - 127		Recovery = 98.42%			
51) 1,2-dichloroethane-d4 (s)	4.884	65	454320	48.49	ug/L	0.00
Spiked Amount 50.000	Range 75 - 130		Recovery = 96.98%			
73) toluene-d8 (s)	6.122	98	1499571	50.55	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.10%			
97) 4-bromofluorobenzene (s)	7.791	95	545108	49.48	ug/L	0.00
Spiked Amount 50.000	Range 79 - 127		Recovery = 98.96%			
Target Compounds						Qvalue
2) ethanol	2.836	45	1076932	5058.5741	ug/L	97
3) tertiary butyl alcohol	3.556	59	495792	259.9274	ug/L	99
4) 1,4-dioxane	5.679	88	188784	1373.9697	ug/L	95
7) dichlorodifluoromethane	1.730	85	396783	48.6034	ug/L	98
8) chloromethane	1.917	50	501868	52.7961	ug/L	98
9) vinyl chloride	1.981	62	411550	51.9575	ug/L	98
10) 1,3-butadiene	1.997	39	300983	38.1933	ug/L	93
11) bromomethane	2.261	96	144520	57.2485	ug/L #	97
12) chloroethane	2.360	64	198139	49.9689	ug/L	94
13) trichlorofluoromethane	2.483	101	473534	43.7923	ug/L	98
14) ethyl ether	2.737	74	201169	51.5759	ug/L	94
15) acrolein	3.155	56	116323	55.5311	ug/L	94
16) freon 113	2.929	151	224137	46.4774	ug/L	93
17) 1,1-dichloroethene	2.907	61	483465	47.6414	ug/L	99
18) acetone	3.364	58	243558	195.3122	ug/L	91
19) acetonitrile	3.704	41	963507	510.7583	ug/L	99
20) iodomethane	3.032	142	297458	47.2388	ug/L	96
21) carbon disulfide	2.946	76	821492	47.6029	ug/L	99
22) methylene chloride	3.341	84	302296	50.7404	ug/L	96
23) methyl acetate	3.444	74	97355	56.8581	ug/L	97
24) methyl tert butyl ether	3.515	73	1032388	49.9900	ug/L	93
25) trans-1,2-dichloroethene	3.454	96	297492	49.3517	ug/L	98
26) hexane	3.505	57	796527	49.5921	ug/L	97
27) di-isopropyl ether	3.769	45	1314875	49.5541	ug/L	98
28) ethyl tert-butyl ether	4.016	59	1158072	48.7485	ug/L	97
29) 2-butanone	4.598	72	297598	219.8999	ug/L	99
30) 1,1-dichloroethane	3.884	63	615935	49.9937	ug/L	99
31) chloroprene	3.865	53	646459	48.4958	ug/L	98
32) acrylonitrile	3.913	52	204476	52.0327	ug/L	97
33) vinyl acetate	4.026	86	68987	41.6000	ug/L #	87
34) ethyl acetate	4.460	70	57536	51.1232	ug/L	95
35) 2,2-dichloropropane	4.315	77	474924	48.3161	ug/L	99
36) cis-1,2-dichloroethene	4.241	96	321847	50.5859	ug/L	96
37) propionitrile	4.801	54	1096584	523.0241	ug/L	98
38) methyl acrylate	4.479	85	78079	52.5541	ug/L #	86
39) bromochloromethane	4.376	128	146904	52.7984	ug/L	93
40) tetrahydrofuran	4.518	71	72090	51.5674	ug/L	95
41) chloroform	4.412	83	571396	49.2348	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 2K23819.D
Acq On : 6 Sep 2025 4:13 am
Operator : PrashanS
Sample : ICV658-50
Misc : MS95614,V2K658,5,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 08 13:26:16 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 13:21:53 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) methacrylonitrile	4.814	67	201245	48.1216 ug/L	99
44) 1,1,1-trichloroethane	4.560	97	497195	50.0965 ug/L	99
45) cyclohexane	4.386	84	520044	58.3524 ug/L	97
46) 1,1-dichloropropene	4.637	75	454641	52.4348 ug/L	99
47) carbon tetrachloride	4.521	117	428463	47.3899 ug/L	98
49) tert-amyl alcohol	4.942	55	172985	255.2322 ug/L	96
52) iso-octane	4.698	57	1100792	44.0432 ug/L	95
53) benzene	4.801	78	1283970	51.4198 ug/L	98
54) tert-amyl methyl ether	4.843	73	998316	47.0700 ug/L	100
55) heptane	4.743	57	192326	52.8173 ug/L	97
56) isopropyl acetate	5.036	87	107970	52.8321 ug/L #	92
57) 1,2-dichloroethane	4.926	62	469996	46.8098 ug/L	98
58) n-butyl alcohol	5.318	56	1467703	2641.6492 ug/L	99
59) ethyl acrylate	5.476	55	725534	53.0879 ug/L	100
60) trichloroethene	5.167	130	325813	53.5276 ug/L	98
61) 2-nitropropane	6.309	41	178570	49.8991 ug/L #	34
62) 2-chloroethyl vinyl ether	5.926	63	1239027	264.9641 ug/L	98
63) methyl methacrylate	5.617	100	152278	64.1715 ug/L #	83
64) 1,2-dichloropropane	5.515	63	351855	50.5281 ug/L	97
65) methylcyclohexane	5.171	98	237233	53.4013 ug/L	95
66) dibromomethane	5.454	93	187012	48.3848 ug/L	94
67) bromodichloromethane	5.544	83	424986	50.9773 ug/L	94
68) epichlorohydrin	6.158	57	397447	257.1921 ug/L	96
69) cis-1,3-dichloropropene	5.994	75	541817	50.9447 ug/L	93
70) 4-methyl-2-pentanone	6.386	58	934136	205.7723 ug/L	94
71) 3-methyl-1-butanol	6.219	70	454107	1050.8241 ug/L	98
74) toluene	6.158	92	791025	51.0933 ug/L	100
75) ethyl methacrylate	6.495	69	378047	38.9950 ug/L	99
76) trans-1,3-dichloropropene	6.421	75	534325	52.4168 ug/L	96
77) 1,1,2-trichloroethane	6.531	83	243801	51.8713 ug/L	95
79) 2-hexanone	6.907	58	1016694	209.6897 ug/L	99
80) 1,3-dichloropropane	6.711	76	544186	53.2109 ug/L	98
81) butyl acetate	6.833	56	371652	52.4694 ug/L	99
82) dibromochloromethane	6.653	129	320977	52.7106 ug/L	97
83) 1,2-dibromoethane	6.817	107	314530	54.9706 ug/L	97
84) n-butyl ether	7.013	57	1770360	54.5966 ug/L	99
85) chlorobenzene	7.119	112	829623	51.5177 ug/L	98
86) 1,1,1,2-tetrachloroethane	7.151	131	315692	55.1284 ug/L	96
87) ethylbenzene	7.122	91	1516214	51.2025 ug/L	98
88) m,p-xylene	7.203	106	1168365	107.5982 ug/L	97
89) o-xylene	7.453	106	569462	53.9181 ug/L	96
90) styrene	7.482	104	714968	39.8557 ug/L	98
91) bromoform	7.515	173	246985	50.9467 ug/L	98
92) butyl acrylate	7.521	55	971471	53.5545 ug/L	99
93) isopropylbenzene	7.624	105	1372230	52.2649 ug/L	99
94) n-amyl acetate	7.659	70	317715	54.3972 ug/L	97
95) cis-1,4-dichloro-2-butene	7.817	88	229241	54.6620 ug/L	98
98) bromobenzene	7.855	156	348702	51.8526 ug/L	96
99) 1,1,2,2-tetrachloroethane	7.884	83	443092	50.9457 ug/L	99
100) trans-1,4-dichloro-2-b...	7.978	53	199939	50.1737 ug/L	98
101) 1,2,3-trichloropropane	7.968	110	150398	51.0675 ug/L	98
102) n-propylbenzene	7.849	91	1622034	52.5691 ug/L	100
103) 2-chlorotoluene	7.945	126	327065	51.8315 ug/L	95
104) 4-chlorotoluene	8.032	91	1065626	52.7170 ug/L	99
105) 1,3,5-trimethylbenzene	7.945	105	1106787	52.5063 ug/L	99
106) tert-butylbenzene	8.119	119	974984	53.9290 ug/L	98
107) 1,2,4-trimethylbenzene	8.154	105	1118325	53.4318 ug/L	97
108) sec-butylbenzene	8.212	105	1296455	54.2887 ug/L	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 2K23819.D
Acq On : 6 Sep 2025 4:13 am
Operator : PrashanS
Sample : ICV658-50
Misc : MS95614,V2K658,5,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 08 13:26:16 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 13:21:53 2025
Response via : Initial Calibration

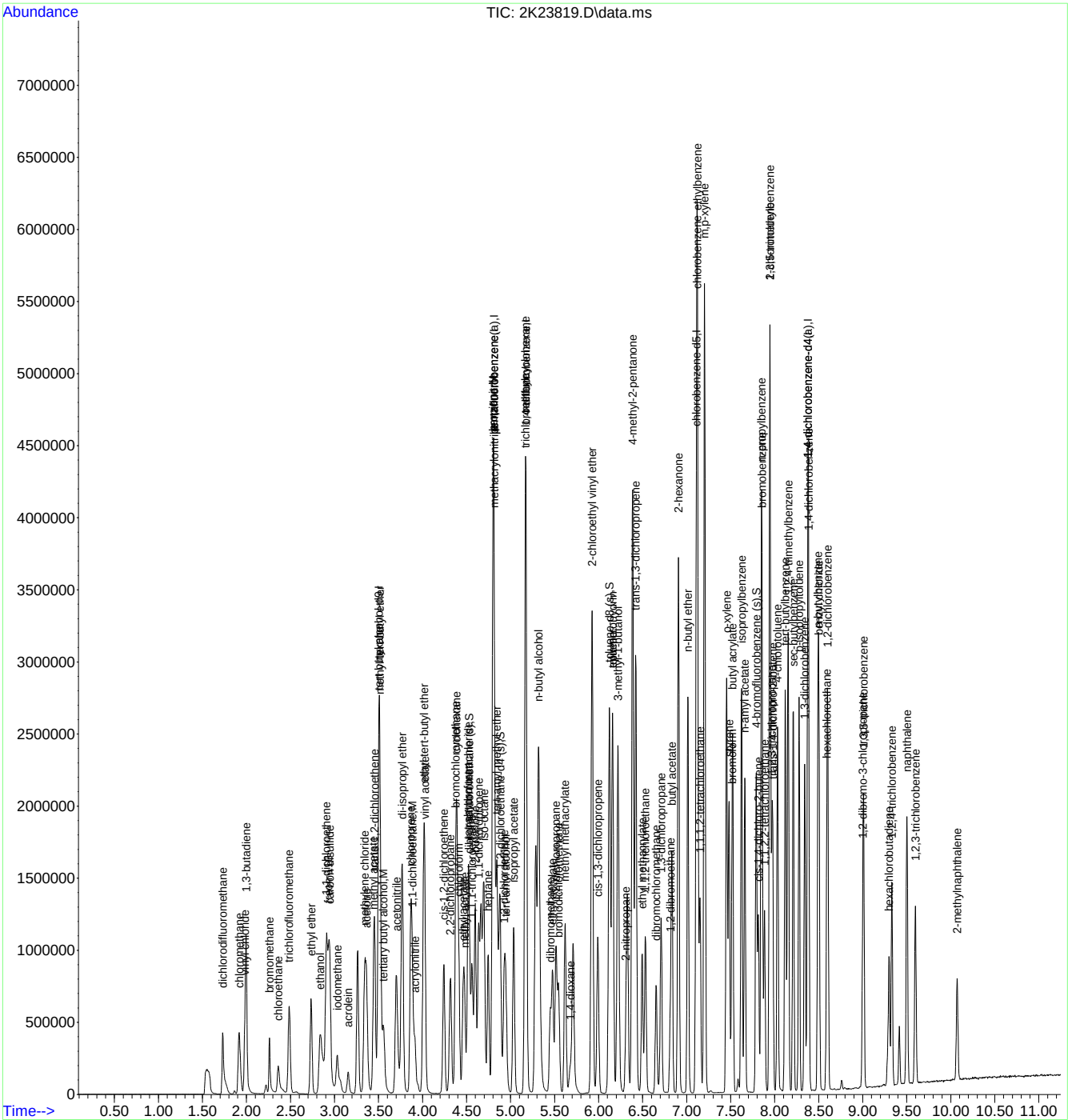
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
109) 1,3-dichlorobenzene	8.341	146	644571	51.7639	ug/L	97
110) p-isopropyltoluene	8.277	119	1084578	52.1068	ug/L	98
111) 1,4-dichlorobenzene	8.386	146	651653	52.4926	ug/L	98
112) 1,2-dichlorobenzene	8.601	146	608739	51.3097	ug/L	98
114) n-butylbenzene	8.492	92	546505	52.7383	ug/L	96
115) 1,2-dibromo-3-chloropr...	9.000	157	142386	52.6144	ug/L	97
116) 1,3,5-trichlorobenzene	9.010	180	388020	56.8887	ug/L	99
117) 1,2,4-trichlorobenzene	9.331	180	311780	52.0279	ug/L	98
118) hexachlorobutadiene	9.299	225	117027	52.9908	ug/L	91
119) naphthalene	9.502	128	1075306	50.4559	ug/L	99
120) 1,2,3-trichlorobenzene	9.598	180	290800	51.1512	ug/L	95
121) hexachloroethane	8.592	119	188627	50.0561	ug/L	99
122) benzyl chloride	8.502	126	194861	49.7831	ug/L	98
123) 2-methylnaphthalene	10.071	142	275357	26.2729	ug/L	98

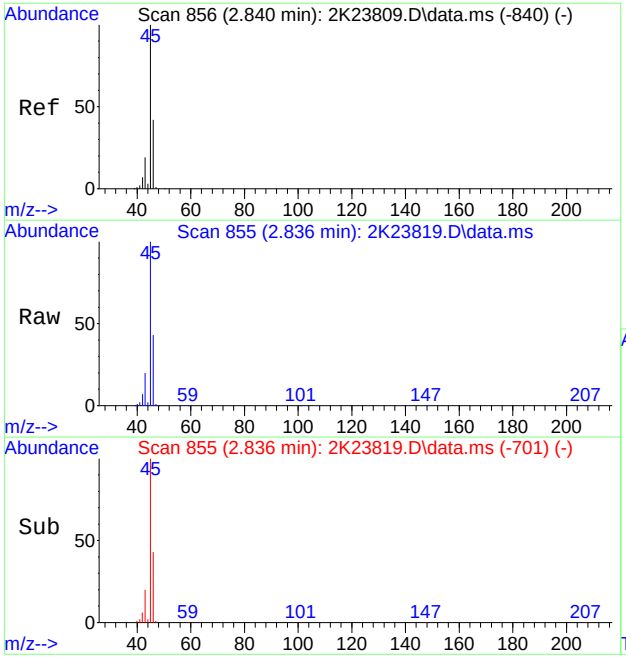
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 2K23819.D
Acq On : 6 Sep 2025 4:13 am
Operator : PrashanS
Sample : ICV658-50
Misc : MS95614,V2K658,5,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 08 13:26:16 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 13:21:53 2025
Response via : Initial Calibration

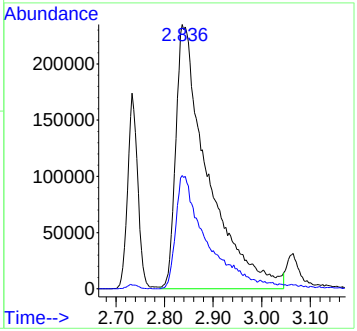


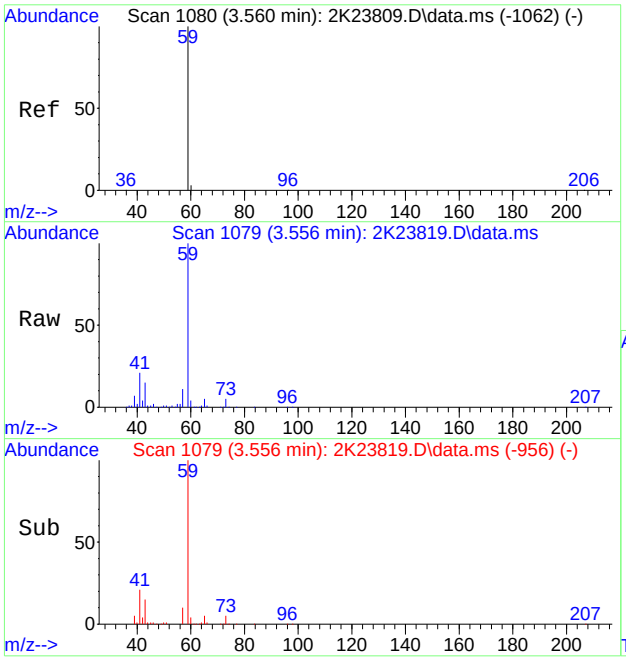


#2
ethanol
Concen: 5058.57 ug/L
RT: 2.836 min Scan# 855
Delta R.T. -0.004 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion: 45 Resp: 1076932

Ion	Ratio	Lower	Upper
45	100		
46	43.1	21.3	61.3

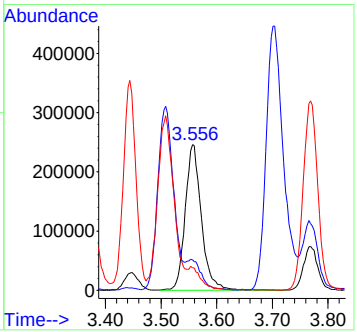


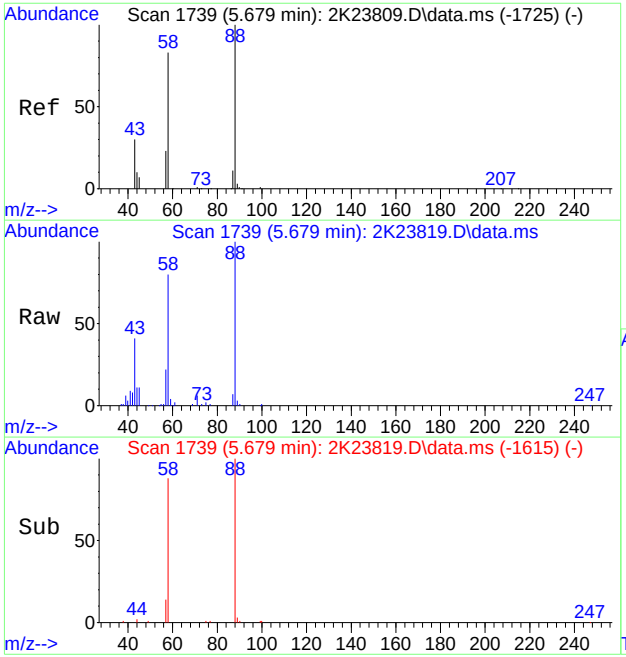


#3
tertiary butyl alcohol
Concen: 259.93 ug/L
RT: 3.556 min Scan# 1079
Delta R.T. -0.004 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion: 59 Resp: 495792

Ion	Ratio	Lower	Upper
59	100		
41	0.0	0.0	30.0
43	15.1	0.0	45.5

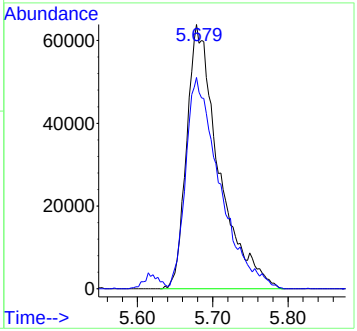


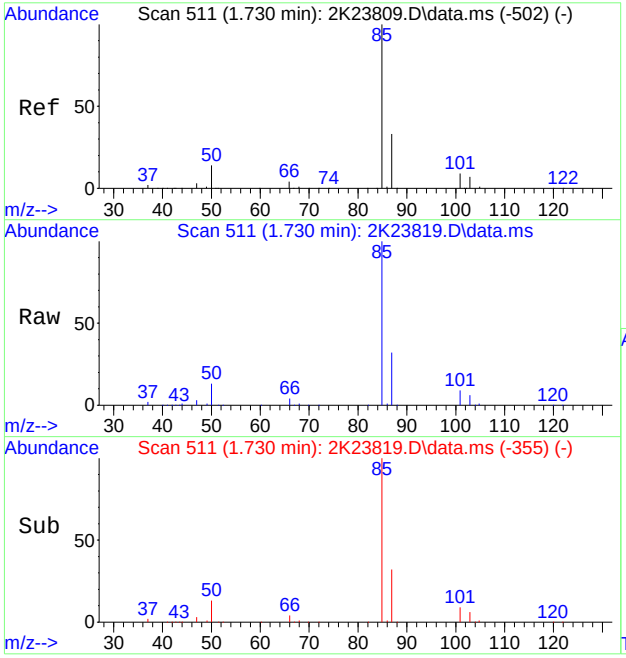


#4
1,4-dioxane
Concen: 1373.97 ug/L
RT: 5.679 min Scan# 1739
Delta R.T. -0.000 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion: 88 Resp: 188784

Ion	Ratio	Lower	Upper
88	100		
58	80.0	64.5	104.5

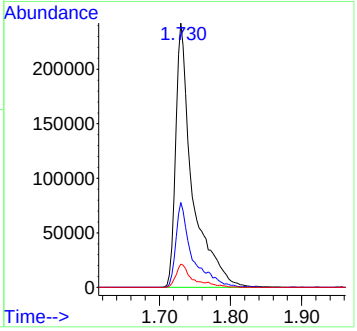


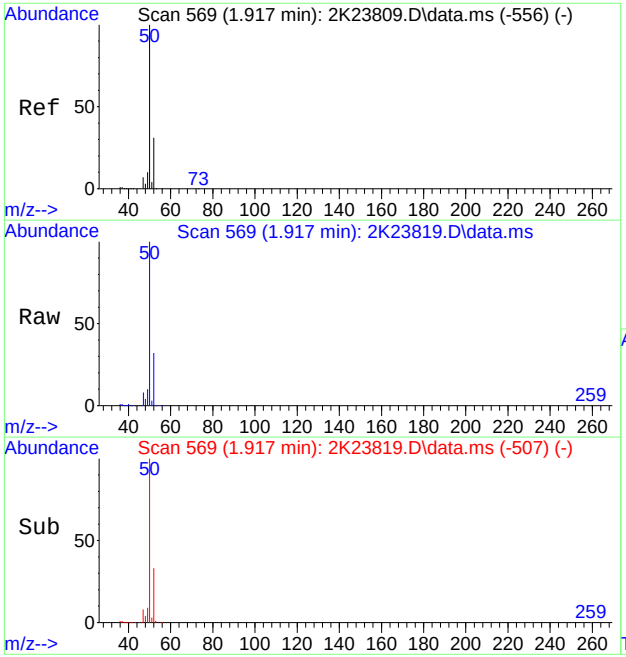


#7
dichlorodifluoromethane
Concen: 48.60 ug/L
RT: 1.730 min Scan# 511
Delta R.T. 0.000 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion: 85 Resp: 396783

Ion	Ratio	Lower	Upper
85	100		
87	32.2	3.4	63.4
101	8.9	0.0	39.0

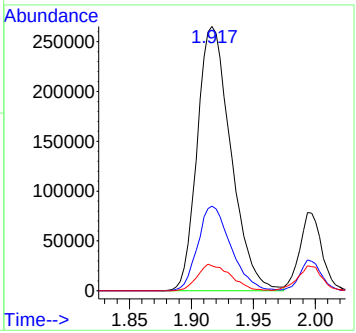


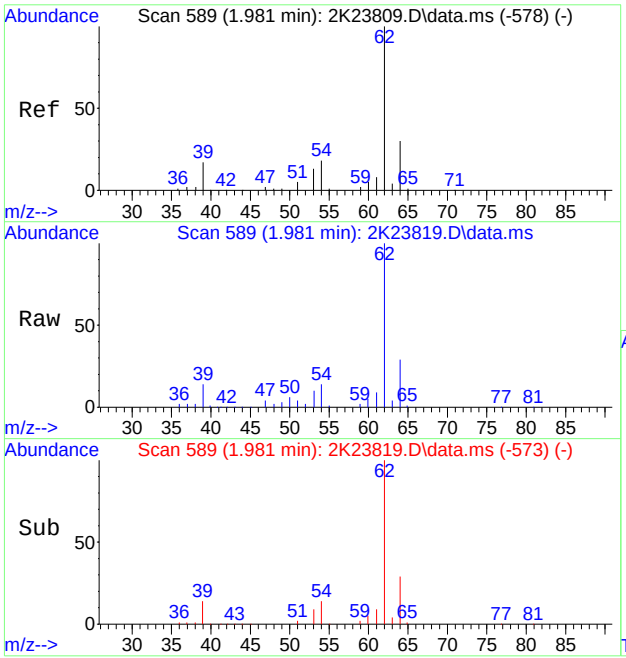


#8
chloromethane
Concen: 52.80 ug/L
RT: 1.917 min Scan# 569
Delta R.T. -0.000 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion: 50 Resp: 501868

Ion	Ratio	Lower	Upper
50	100		
52	32.0	0.8	60.8
49	9.5	0.0	40.1

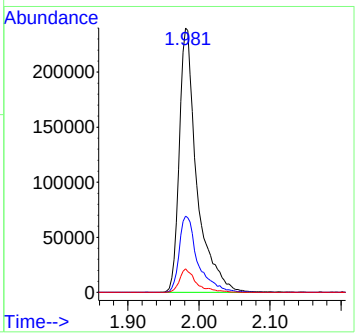


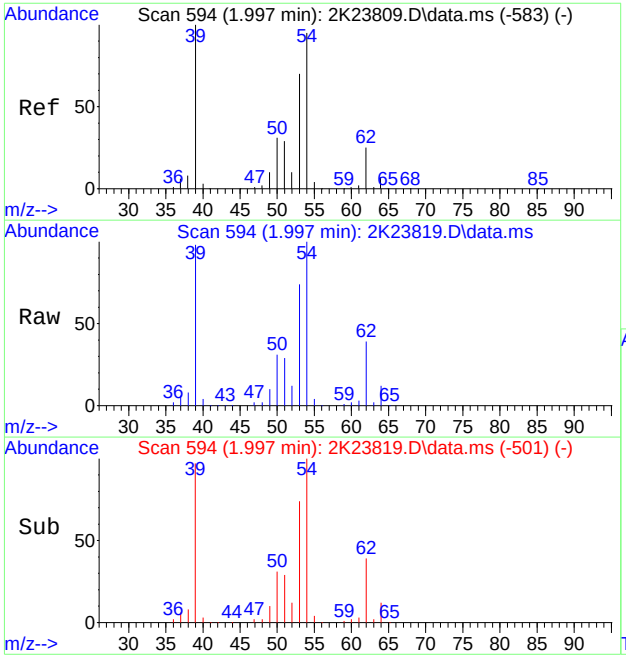


#9
vinyl chloride
Concen: 51.96 ug/L
RT: 1.981 min Scan# 589
Delta R.T. -0.000 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion: 62 Resp: 411550

Ion	Ratio	Lower	Upper
62	100		
64	28.9	0.0	60.0
61	9.0	0.0	37.6

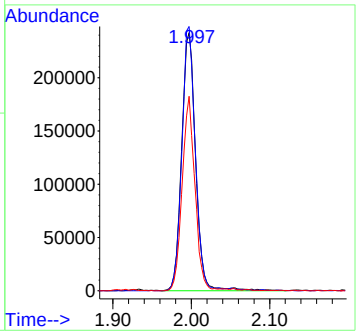


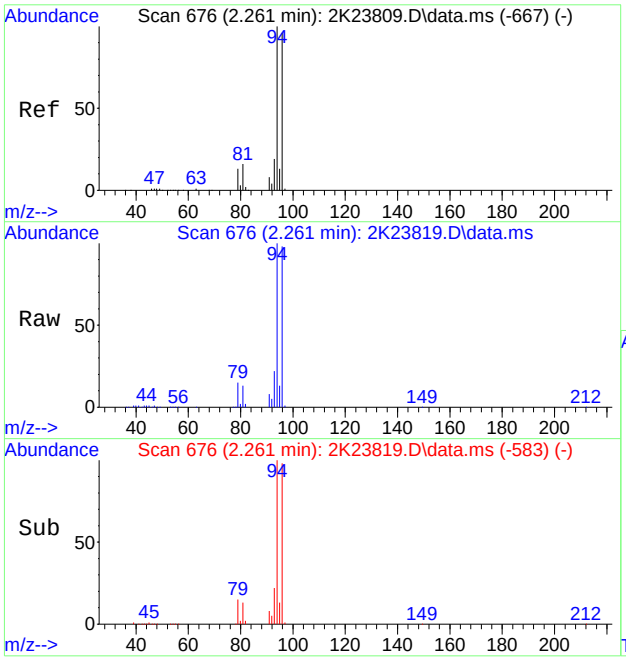


#10
1,3-butadiene
Concen: 38.19 ug/L
RT: 1.997 min Scan# 594
Delta R.T. 0.000 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion: 39 Resp: 300983

Ion	Ratio	Lower	Upper
39	100		
54	102.5	65.4	125.4
53	75.4	40.3	100.3

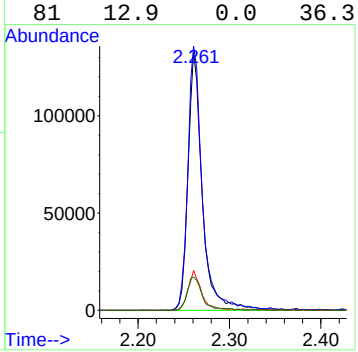


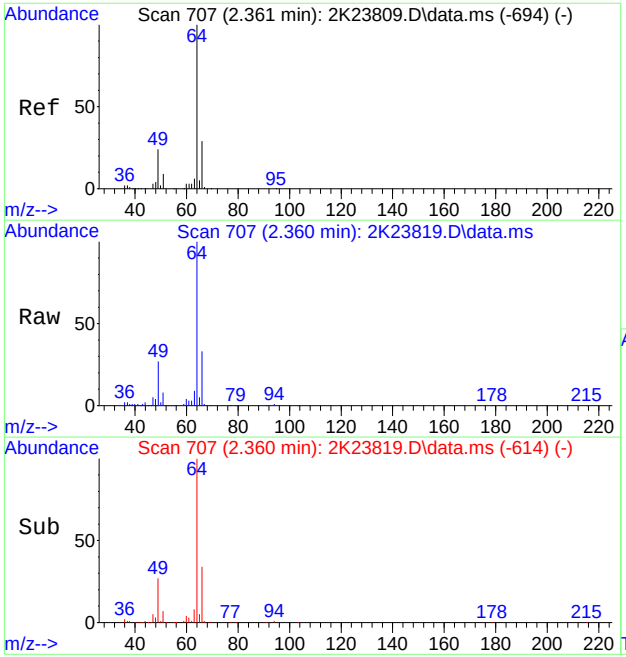


#11
bromomethane
Concen: 57.25 ug/L
RT: 2.261 min Scan# 676
Delta R.T. -0.000 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion: 96 Resp: 144520

Ion	Ratio	Lower	Upper
96	100		
94	102.3	74.5	134.5
79	15.3	13.7	13.7#
81	12.9	0.0	36.3

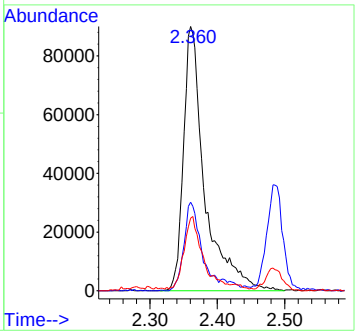


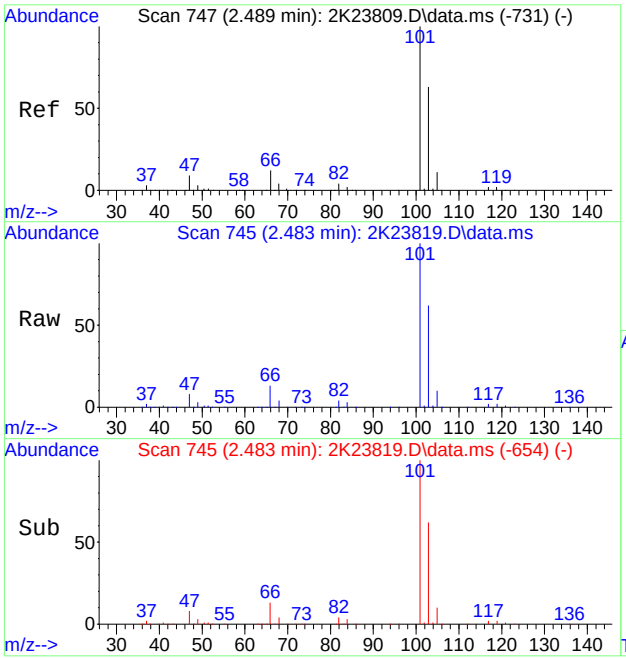


#12
chloroethane
Concen: 49.97 ug/L
RT: 2.360 min Scan# 707
Delta R.T. -0.001 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion: 64 Resp: 198139

Ion	Ratio	Lower	Upper
64	100		
66	33.3	0.0	59.3
49	26.5	0.0	54.3

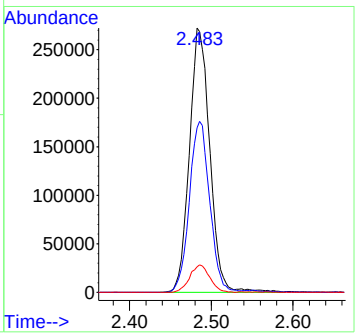


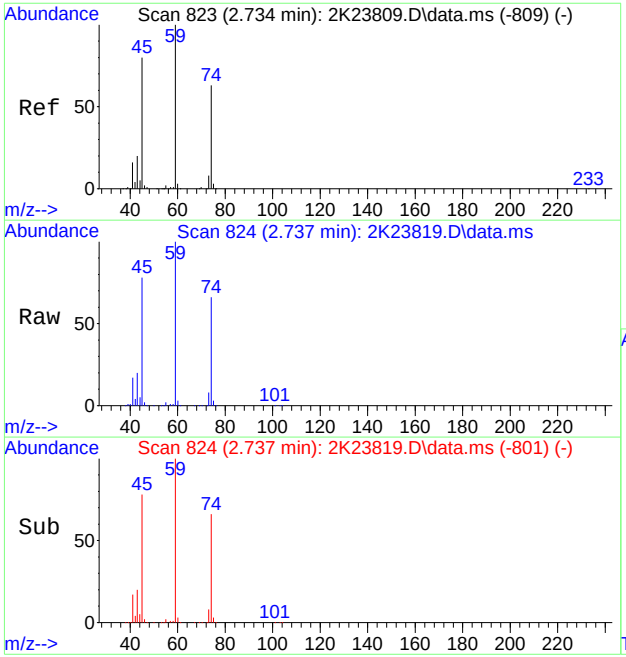


#13
trichlorofluoromethane
Concen: 43.79 ug/L
RT: 2.483 min Scan# 745
Delta R.T. -0.006 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion:101 Resp: 473534

Ion	Ratio	Lower	Upper
101	100		
103	62.2	33.3	93.3
105	9.7	0.0	40.7

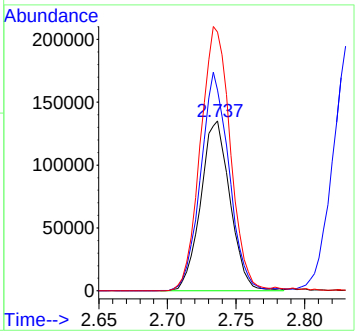


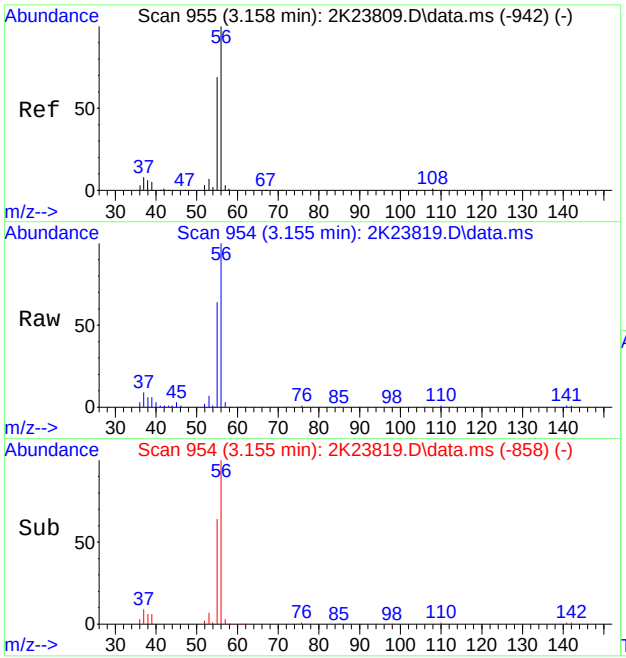


#14
ethyl ether
Concen: 51.58 ug/L
RT: 2.737 min Scan# 824
Delta R.T. 0.003 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion: 74 Resp: 201169

Ion	Ratio	Lower	Upper
74	100		
45	117.9	96.7	156.7
59	152.2	128.9	188.9

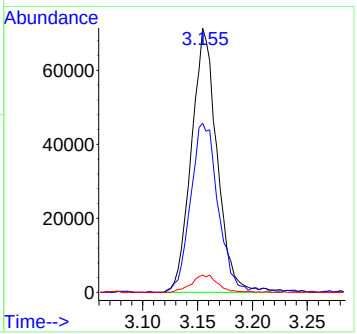


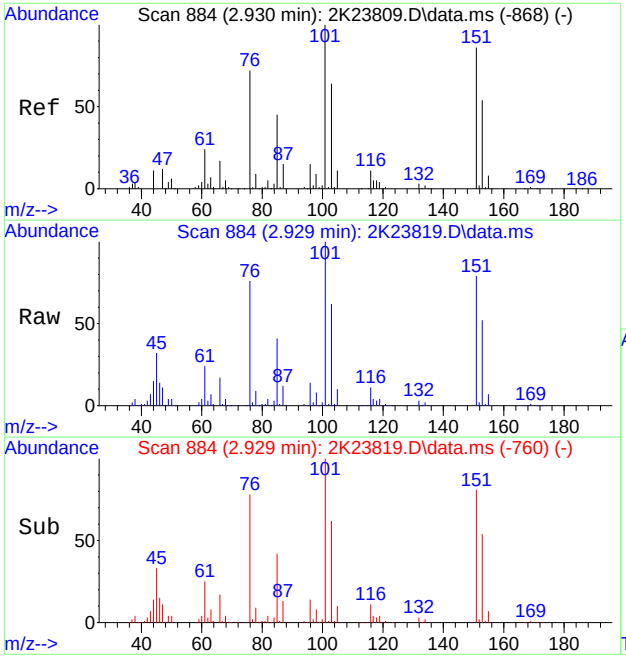


#15
acrolein
Concen: 55.53 ug/L
RT: 3.155 min Scan# 954
Delta R.T. -0.003 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion: 56 Resp: 116323

Ion	Ratio	Lower	Upper
56	100		
55	63.9	38.7	98.7
53	6.6	0.0	37.4

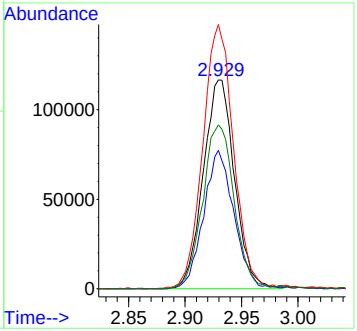


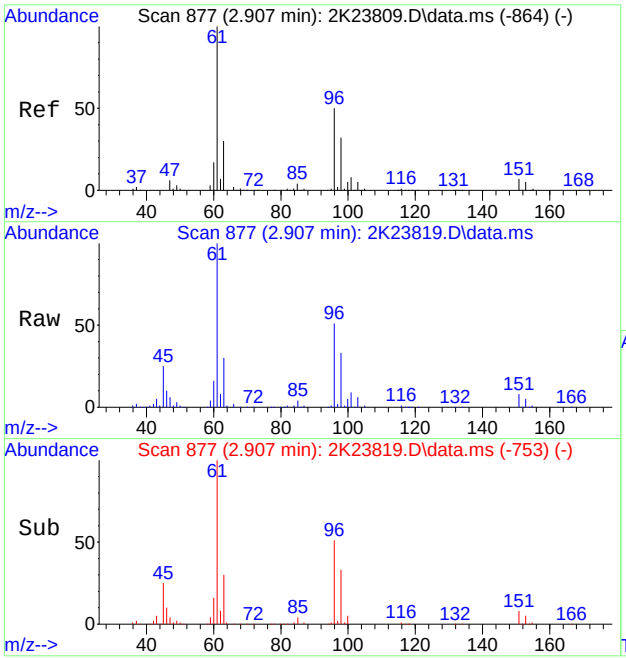


#16
freon 113
Concen: 46.48 ug/L
RT: 2.929 min Scan# 884
Delta R.T. -0.001 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion:151 Resp: 224137

Ion	Ratio	Lower	Upper
151	100		
153	66.4	43.0	83.0
101	126.4	95.9	135.9
103	78.6	54.3	94.3

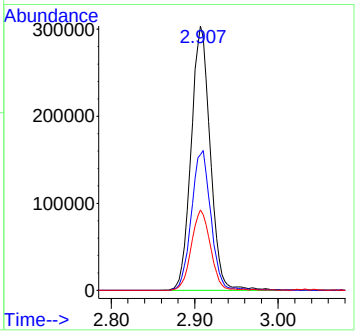


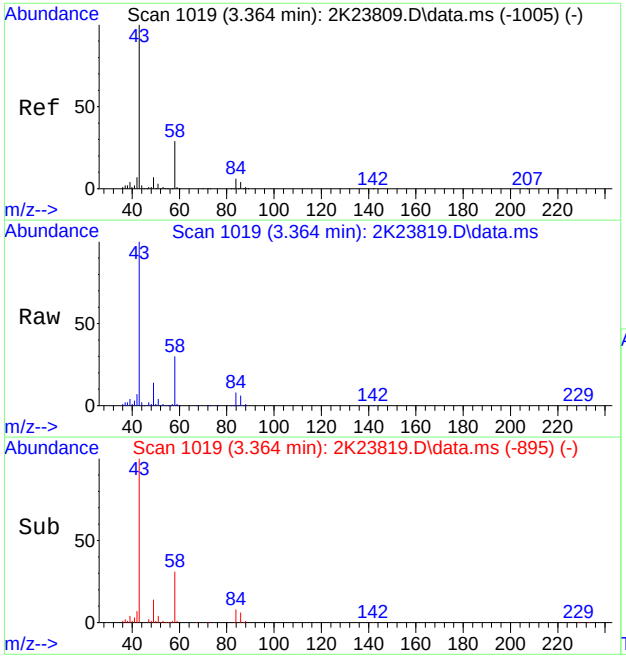


#17
1,1-dichloroethene
Concen: 47.64 ug/L
RT: 2.907 min Scan# 877
Delta R.T. -0.000 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion: 61 Resp: 483465

Ion	Ratio	Lower	Upper
61	100		
96	51.4	19.8	79.8
63	30.4	0.4	60.4

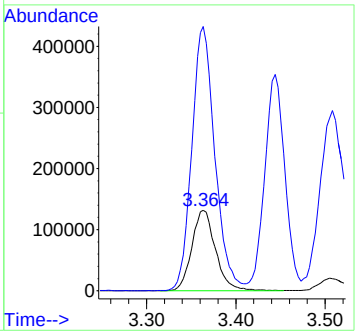


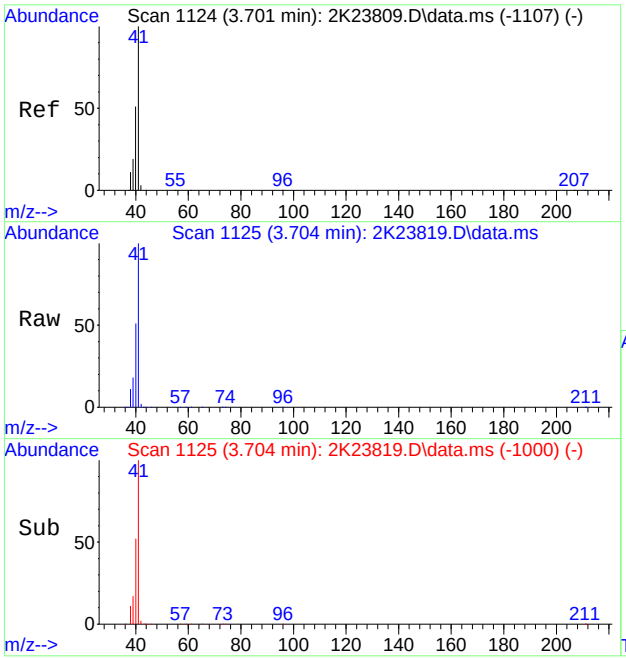


#18
acetone
Concen: 195.31 ug/L
RT: 3.364 min Scan# 1019
Delta R.T. -0.000 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion: 58 Resp: 243558

Ion	Ratio	Lower	Upper
58	100		
43	327.7	317.9	377.9

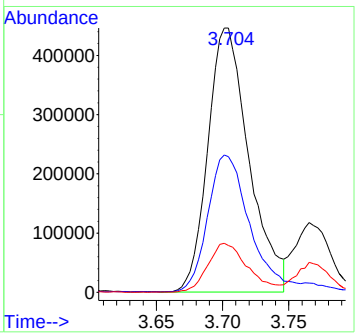


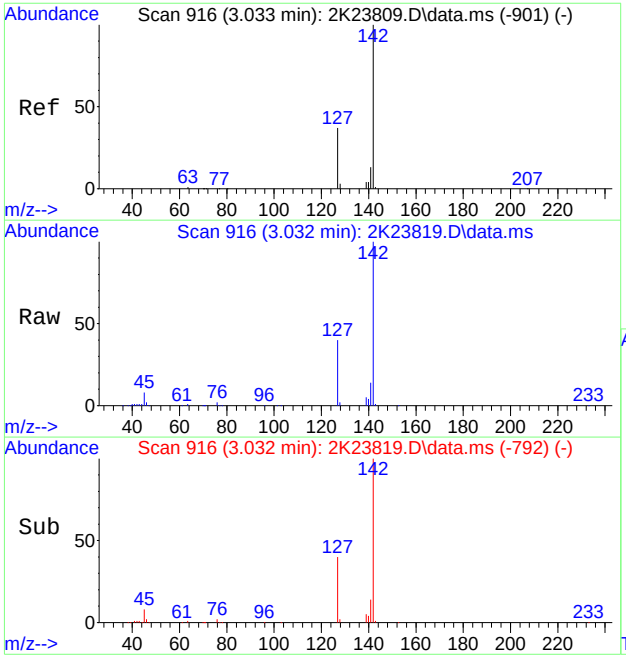


#19
acetonitrile
Concen: 510.76 ug/L
RT: 3.704 min Scan# 1125
Delta R.T. 0.003 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion: 41 Resp: 963507

Ion	Ratio	Lower	Upper
41	100		
40	51.2	20.7	80.7
39	17.7	0.0	48.9

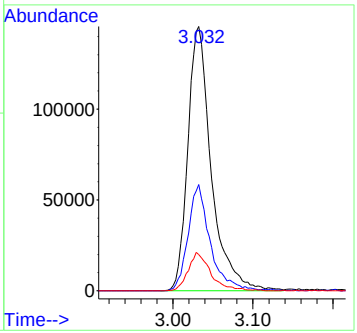


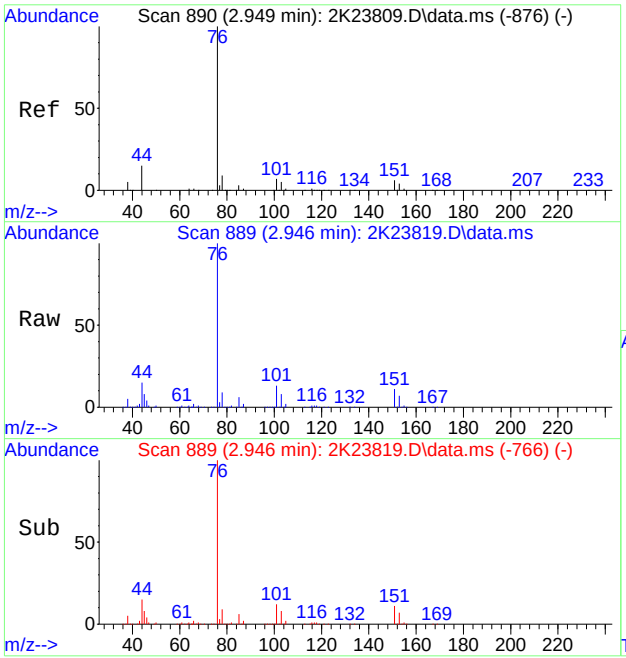


#20
iodomethane
Concen: 47.24 ug/L
RT: 3.032 min Scan# 916
Delta R.T. -0.001 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion:142 Resp: 297458

Ion	Ratio	Lower	Upper
142	100		
127	40.2	7.2	67.2
141	13.7	0.0	43.3

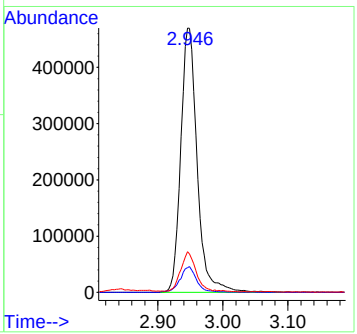


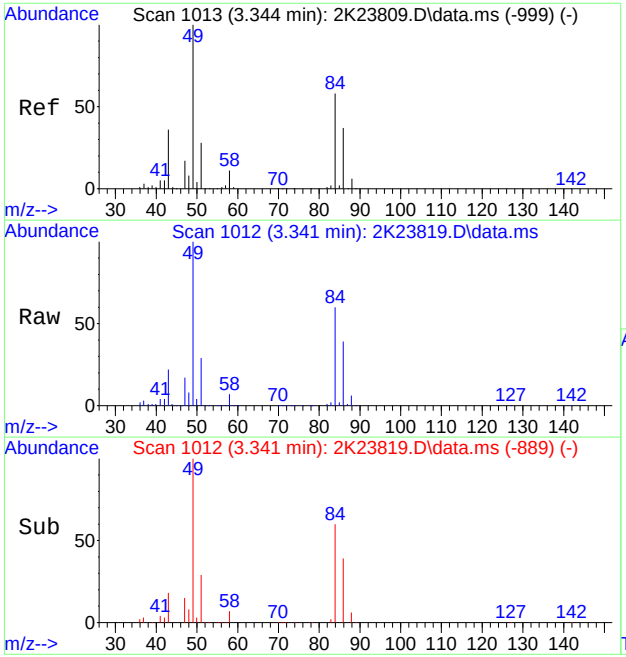


#21
carbon disulfide
Concen: 47.60 ug/L
RT: 2.946 min Scan# 889
Delta R.T. -0.003 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion: 76 Resp: 821492

Ion	Ratio	Lower	Upper
76	100		
78	9.3	0.0	39.4
44	15.3	0.0	44.9

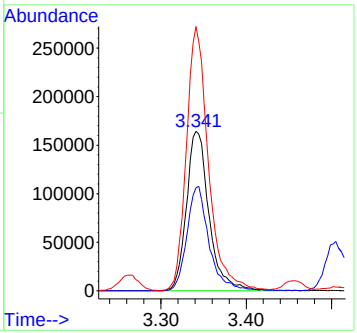


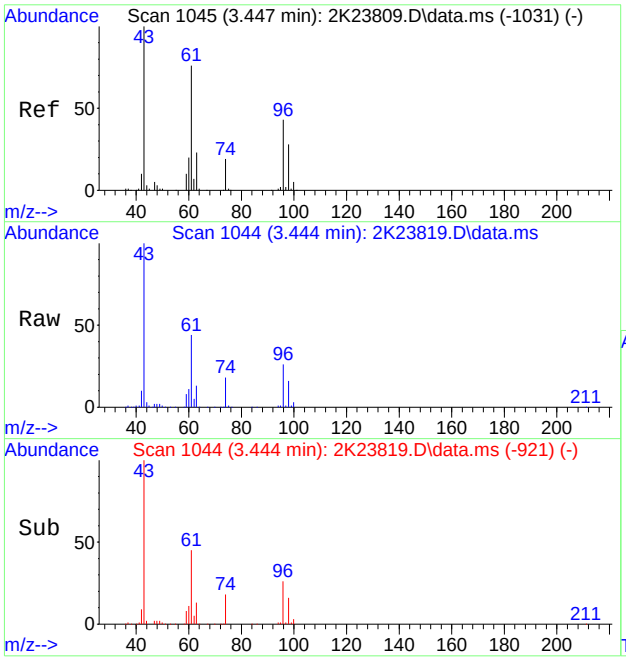


#22
methylene chloride
Concen: 50.74 ug/L
RT: 3.341 min Scan# 1012
Delta R.T. -0.003 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion: 84 Resp: 302296

Ion	Ratio	Lower	Upper
84	100		
86	64.5	33.4	93.4
49	165.5	141.9	201.9

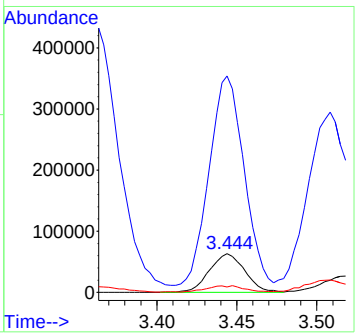


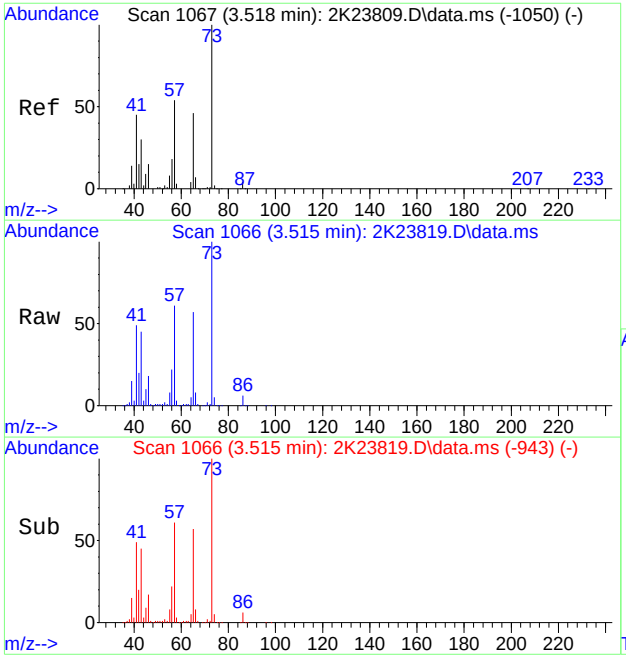


#23
methyl acetate
Concen: 56.86 ug/L
RT: 3.444 min Scan# 1044
Delta R.T. -0.003 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion: 74 Resp: 97355

Ion	Ratio	Lower	Upper
74	100		
43	530.9	492.7	552.7
44	12.8	0.0	46.4

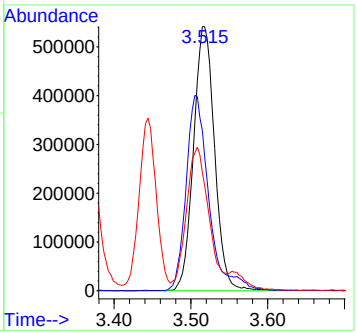


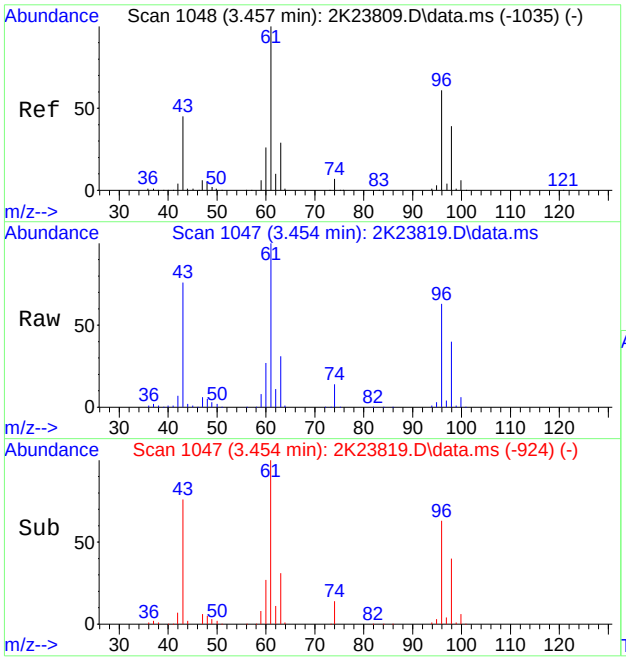


#24
methyl tert butyl ether
Concen: 49.99 ug/L
RT: 3.515 min Scan# 1066
Delta R.T. -0.003 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion: 73 Resp: 1032388

Ion	Ratio	Lower	Upper
73	100		
57	60.4	23.8	83.8
43	44.4	11.7	71.7

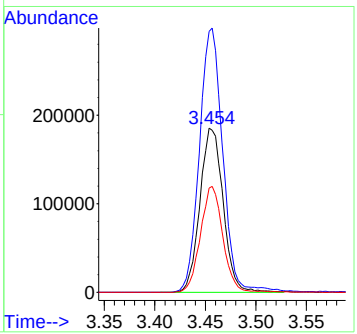


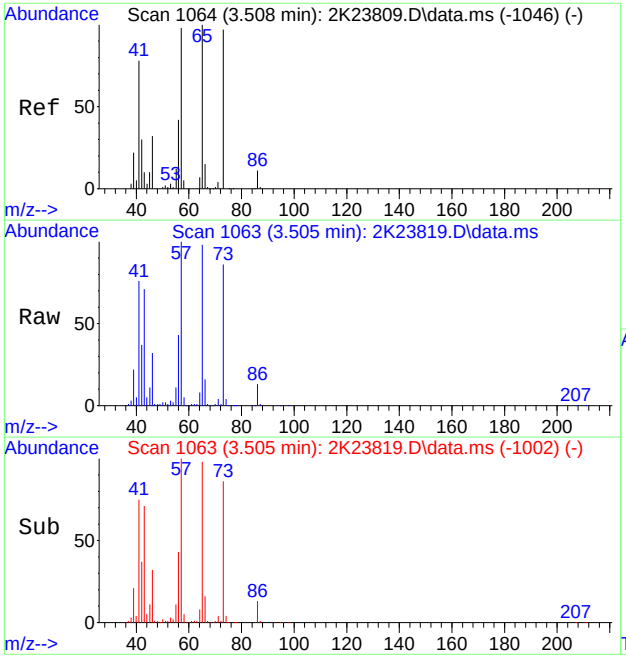


#25
trans-1,2-dichloroethene
Concen: 49.35 ug/L
RT: 3.454 min Scan# 1047
Delta R.T. -0.003 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion: 96 Resp: 297492

Ion	Ratio	Lower	Upper
96	100		
61	158.6	132.8	192.8
98	63.5	34.2	94.2

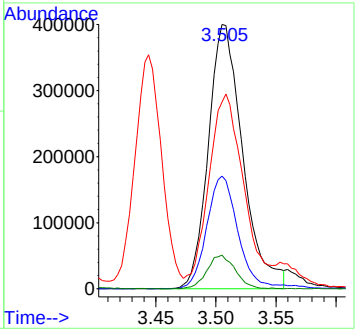


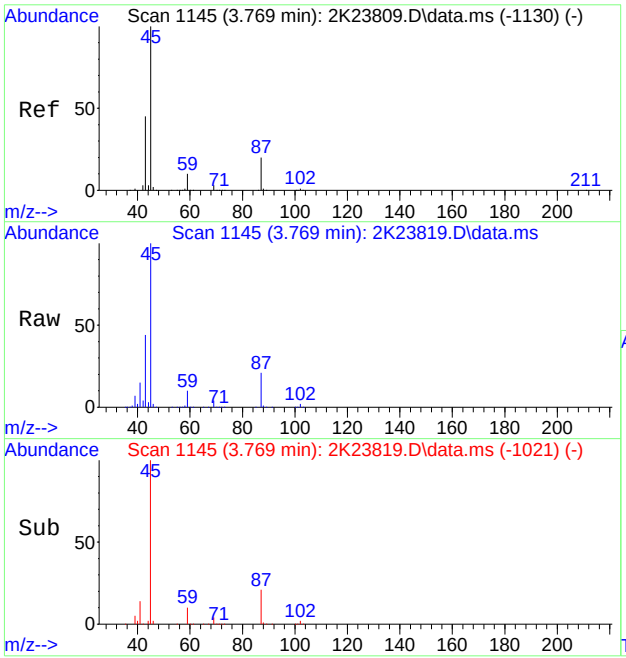


#26
hexane
Concen: 49.59 ug/L
RT: 3.505 min Scan# 1063
Delta R.T. -0.003 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion: 57 Resp: 796527

Ion	Ratio	Lower	Upper
57	100		
56	42.6	22.5	62.5
43	61.1	45.1	85.1
86	12.7	0.0	31.0

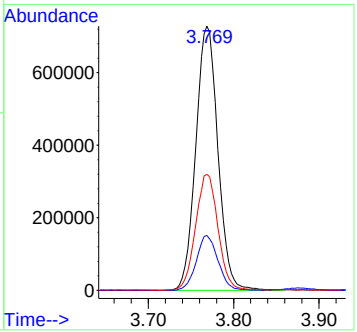


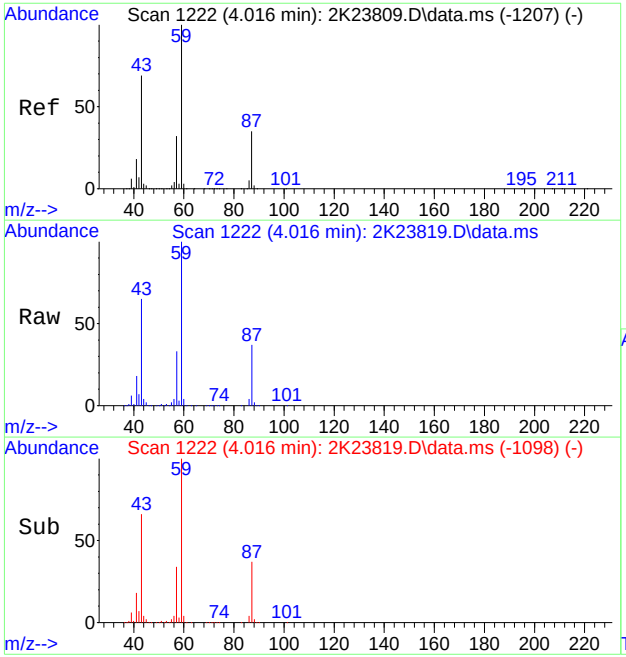


#27
di-isopropyl ether
Concen: 49.55 ug/L
RT: 3.769 min Scan# 1145
Delta R.T. -0.000 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion: 45 Resp: 1314875

Ion	Ratio	Lower	Upper
45	100		
87	20.8	0.0	49.8
43	43.8	15.4	75.4

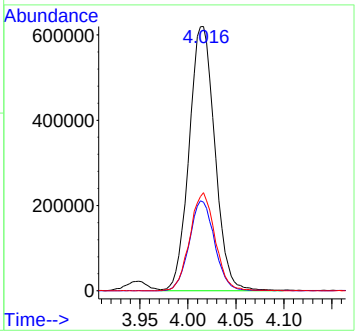


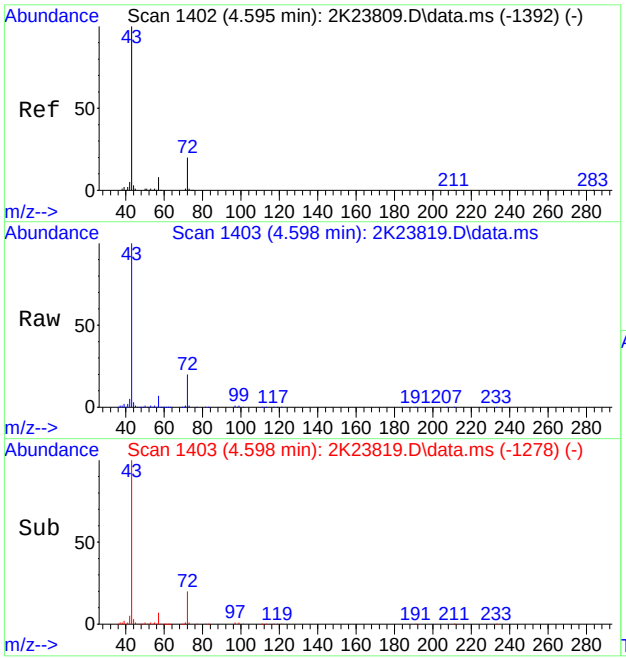


#28
ethyl tert-butyl ether
Concen: 48.75 ug/L
RT: 4.016 min Scan# 1222
Delta R.T. 0.000 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion: 59 Resp: 1158072

Ion	Ratio	Lower	Upper
59	100		
57	33.6	1.6	61.6
87	37.2	5.2	65.2

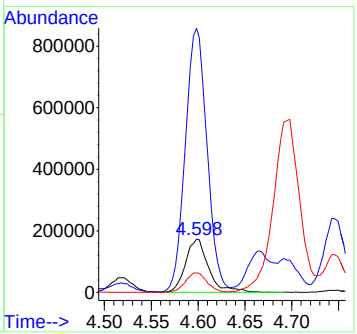


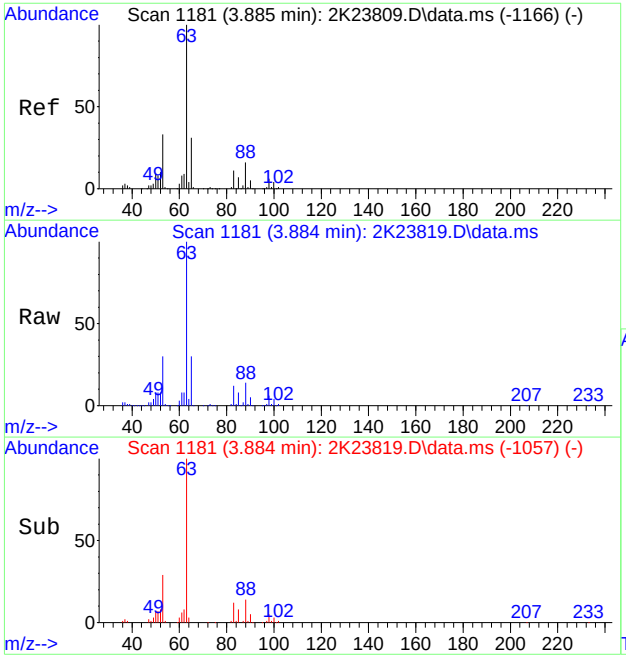


#29
2-butanone
Concen: 219.90 ug/L
RT: 4.598 min Scan# 1403
Delta R.T. 0.003 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion: 72 Resp: 297598

Ion	Ratio	Lower	Upper
72	100		
43	495.0	461.8	521.8
57	36.4	7.0	67.0

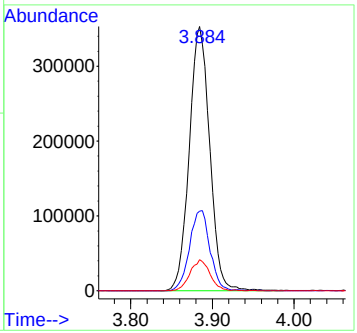


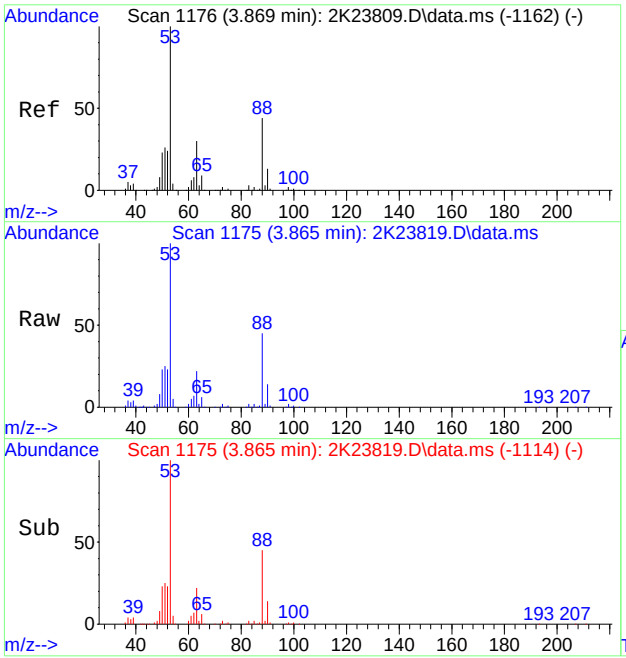


#30
1,1-dichloroethane
Concen: 49.99 ug/L
RT: 3.884 min Scan# 1181
Delta R.T. -0.001 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion: 63 Resp: 615935

Ion	Ratio	Lower	Upper
63	100		
65	30.1	0.5	60.5
83	11.8	0.0	41.0

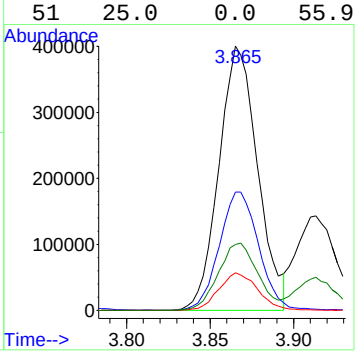


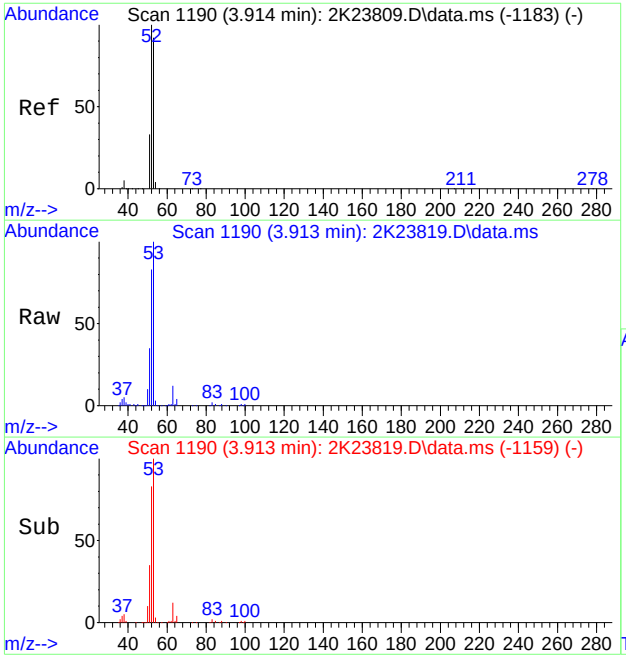


#31
chloroprene
Concen: 48.50 ug/L
RT: 3.865 min Scan# 1175
Delta R.T. -0.004 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion: 53 Resp: 646459

Ion	Ratio	Lower	Upper
53	100		
88	44.8	14.2	74.2
90	14.3	0.0	42.9
51	25.0	0.0	55.9

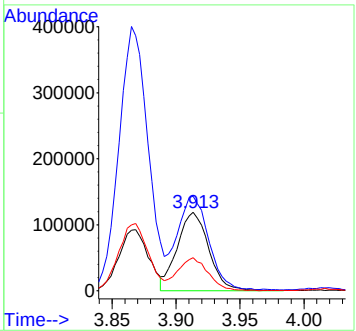


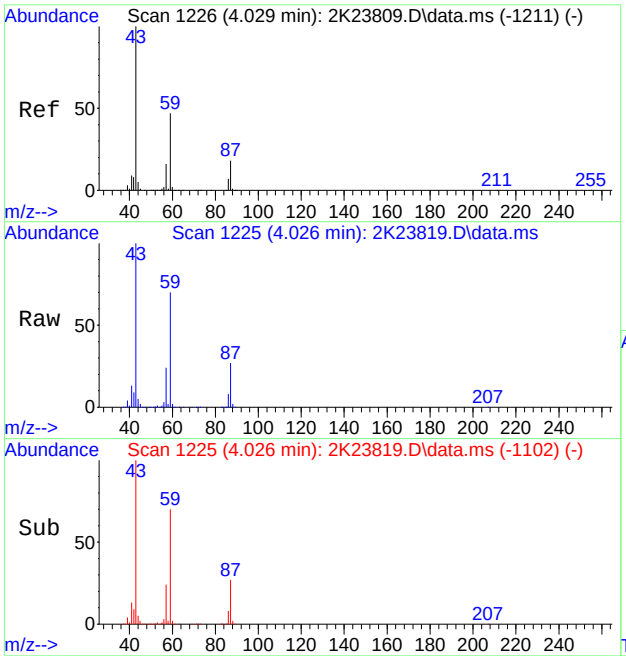


#32
acrylonitrile
Concen: 52.03 ug/L
RT: 3.913 min Scan# 1190
Delta R.T. -0.001 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion: 52 Resp: 204476

Ion	Ratio	Lower	Upper
52	100		
53	119.5	92.5	152.5
51	41.9	9.1	69.1

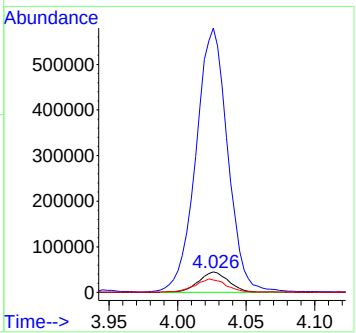


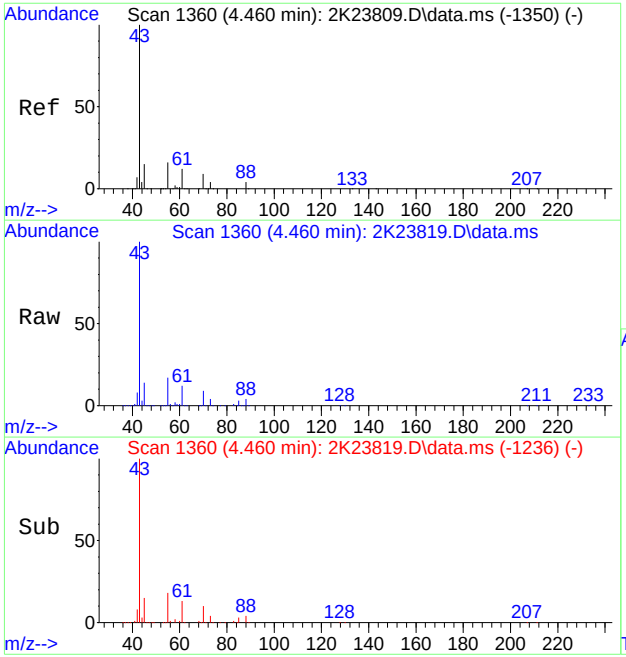


#33
vinyl acetate
Concen: 41.60 ug/L
RT: 4.026 min Scan# 1225
Delta R.T. -0.003 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion: 86 Resp: 68987

Ion	Ratio	Lower	Upper
86	100		
43	1278.0	1321.8	1381.8#
44	59.0	32.5	92.5

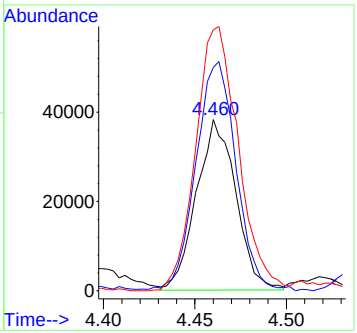


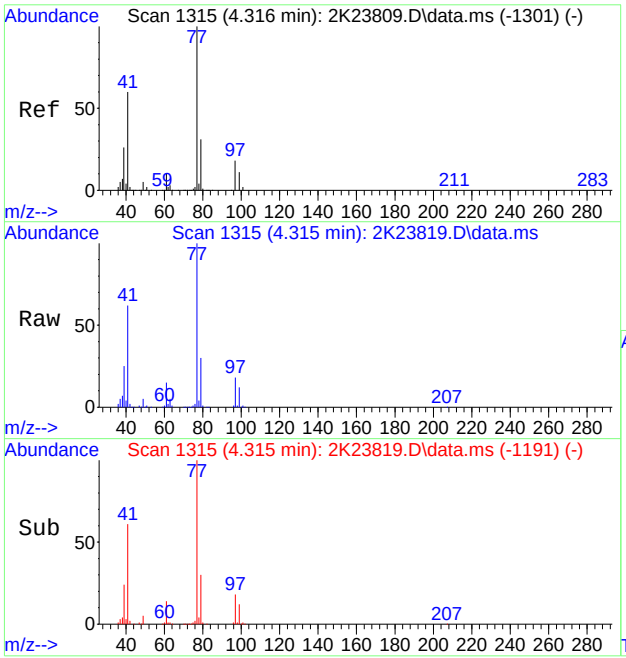


#34
ethyl acetate
Concen: 51.12 ug/L
RT: 4.460 min Scan# 1360
Delta R.T. -0.000 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion: 70 Resp: 57536

Ion	Ratio	Lower	Upper
70	100		
61	132.0	105.6	165.6
45	155.6	135.3	195.3

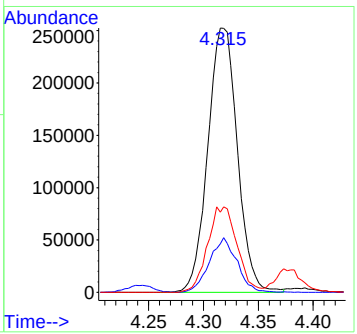


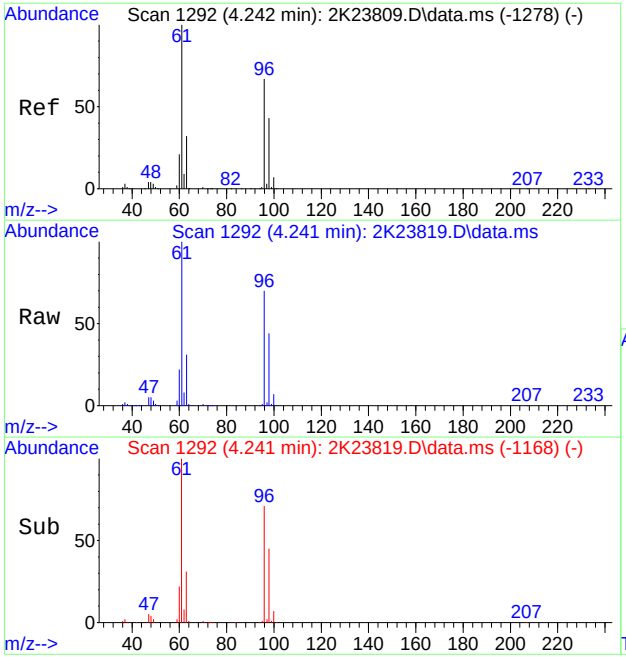


#35
2,2-dichloropropane
Concen: 48.32 ug/L
RT: 4.315 min Scan# 1315
Delta R.T. -0.001 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion: 77 Resp: 474924

Ion	Ratio	Lower	Upper
77	100		
97	18.2	0.0	47.7
79	30.3	0.6	60.6

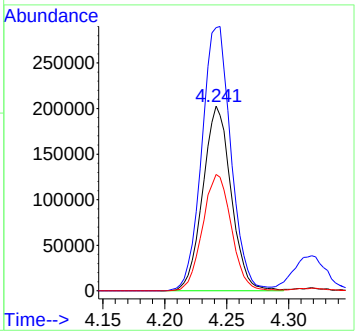


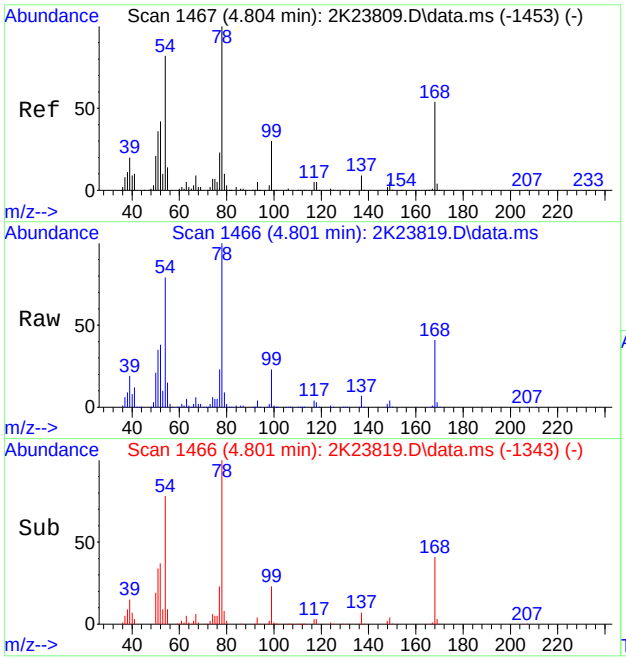


#36
cis-1,2-dichloroethene
Concen: 50.59 ug/L
RT: 4.241 min Scan# 1292
Delta R.T. -0.001 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion: 96 Resp: 321847

Ion	Ratio	Lower	Upper
96	100		
61	142.5	118.2	178.2
98	63.0	34.3	94.3

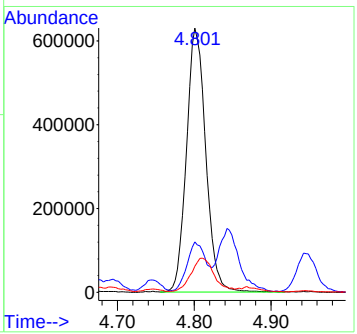


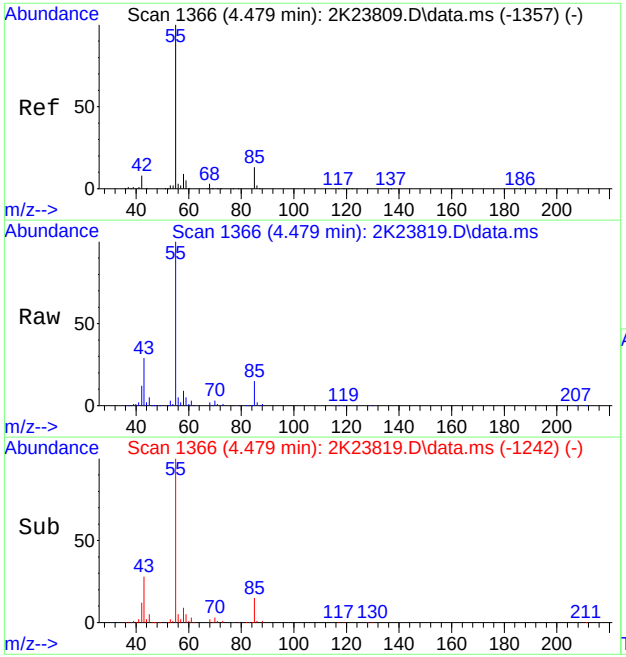


#37
propionitrile
Concen: 523.02 ug/L
RT: 4.801 min Scan# 1466
Delta R.T. -0.003 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion: 54 Resp: 1096584

Ion	Ratio	Lower	Upper
54	100		
55	18.3	0.0	48.6
40	9.6	0.0	41.7

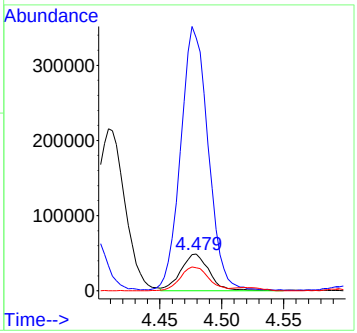


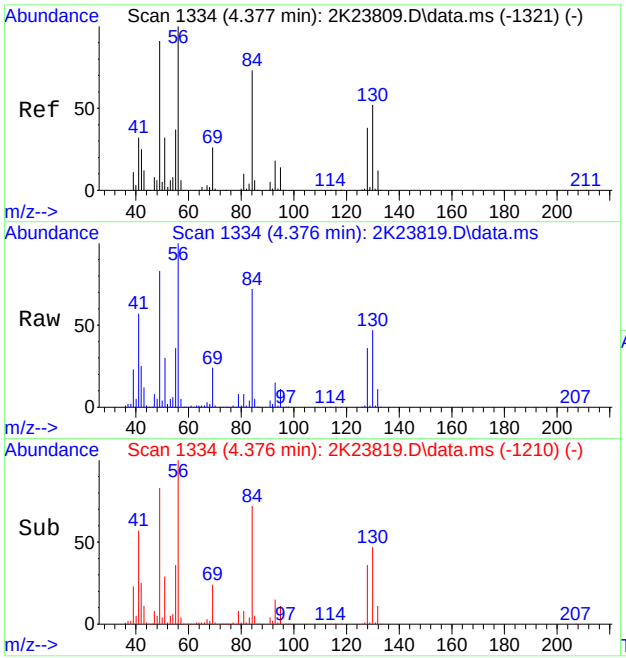


#38
methyl acrylate
Concen: 52.55 ug/L
RT: 4.479 min Scan# 1366
Delta R.T. 0.000 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion: 85 Resp: 78079

Ion	Ratio	Lower	Upper
85	100		
55	694.3	726.6	766.6#
58	63.5	49.4	89.4

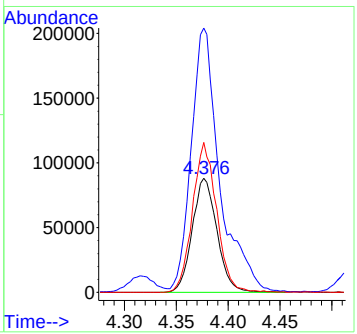


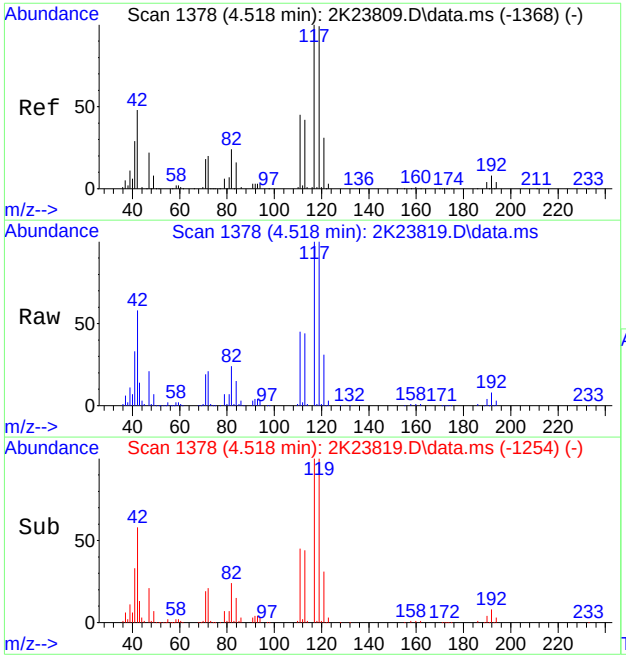


#39
bromochloromethane
Concen: 52.80 ug/L
RT: 4.376 min Scan# 1334
Delta R.T. -0.001 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion:128 Resp: 146904

Ion	Ratio	Lower	Upper
128	100		
49	230.1	213.9	273.9
130	131.4	107.4	167.4

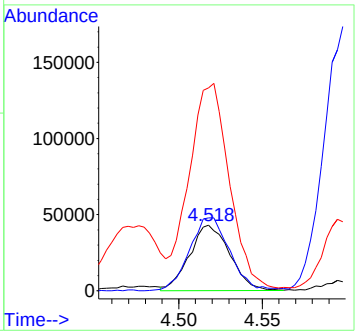


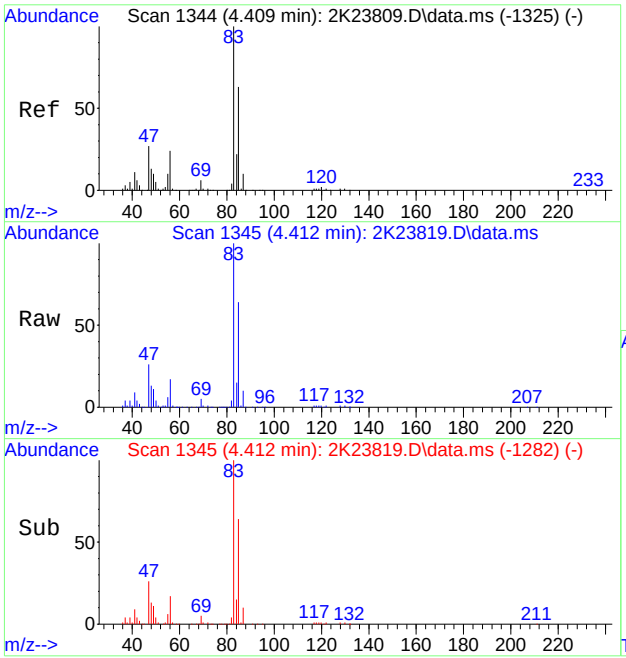


#40
tetrahydrofuran
Concen: 51.57 ug/L
RT: 4.518 min Scan# 1378
Delta R.T. -0.000 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion: 71 Resp: 72090

Ion	Ratio	Lower	Upper
71	100		
72	109.5	75.2	135.2
42	306.2	288.0	348.0

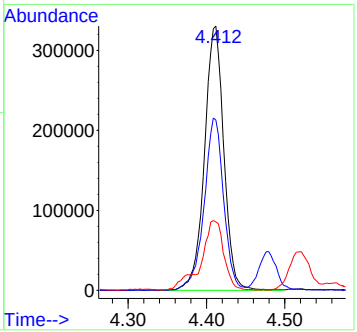


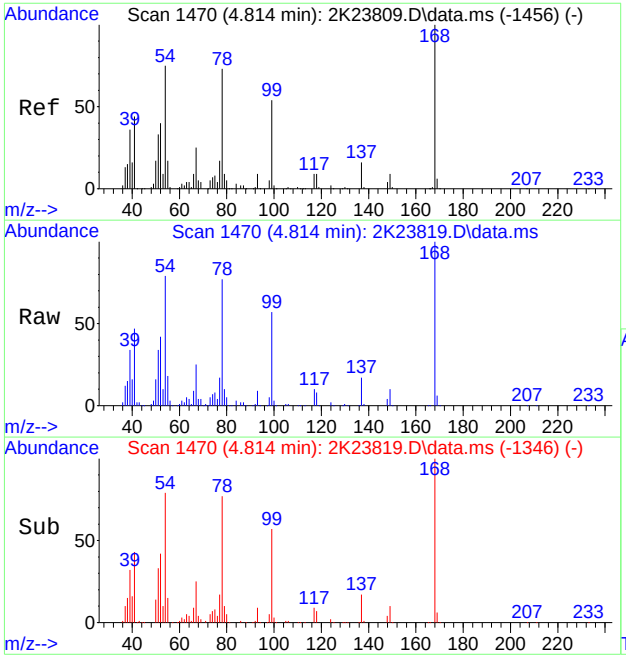


#41
chloroform
Concen: 49.23 ug/L
RT: 4.412 min Scan# 1345
Delta R.T. 0.003 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion: 83 Resp: 571396

Ion	Ratio	Lower	Upper
83	100		
85	64.3	33.0	93.0
47	25.8	0.0	56.9

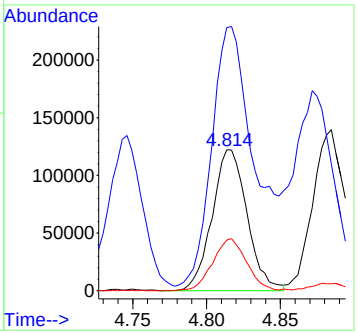


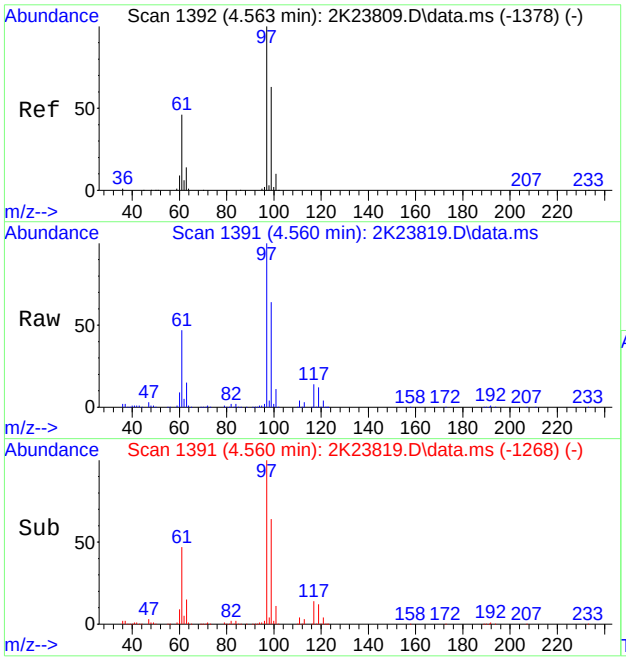


#43
methacrylonitrile
Concen: 48.12 ug/L
RT: 4.814 min Scan# 1470
Delta R.T. -0.000 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion: 67 Resp: 201245

Ion	Ratio	Lower	Upper
67	100		
41	176.4	145.5	205.5
66	36.0	4.7	64.7

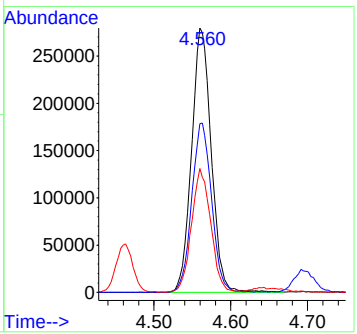


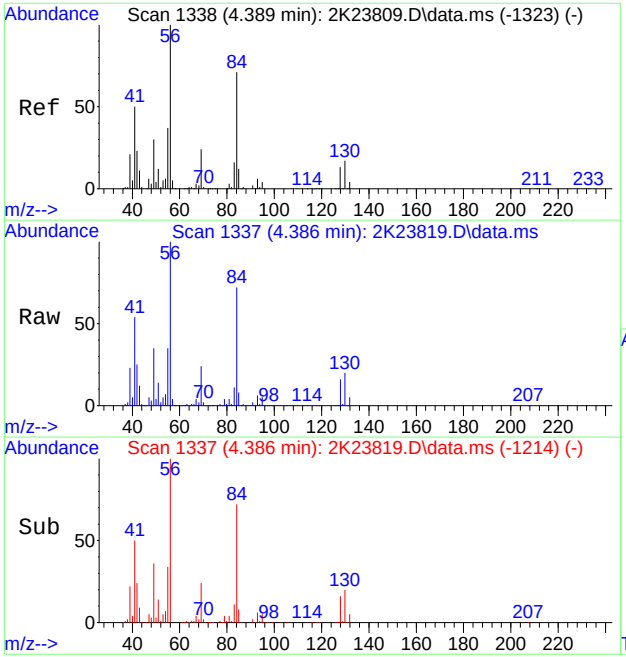


#44
1,1,1-trichloroethane
Concen: 50.10 ug/L
RT: 4.560 min Scan# 1391
Delta R.T. -0.003 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion: 97 Resp: 497195

Ion	Ratio	Lower	Upper
97	100		
99	63.8	32.8	92.8
61	46.8	16.5	76.5

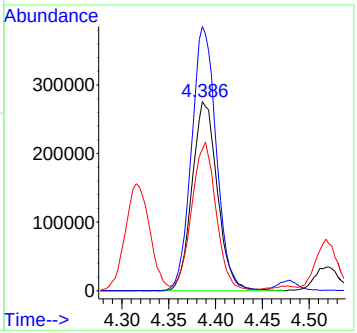


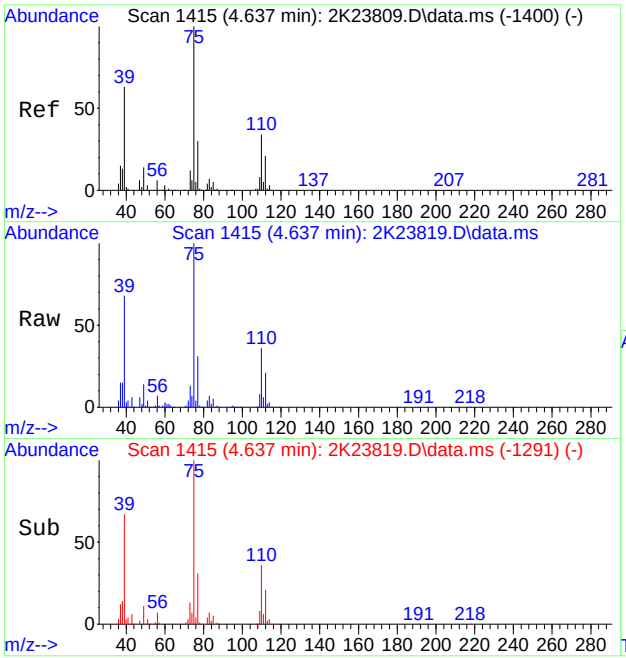


#45
cyclohexane
Concen: 58.35 ug/L
RT: 4.386 min Scan# 1337
Delta R.T. -0.003 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion: 84 Resp: 520044

Ion	Ratio	Lower	Upper
84	100		
56	139.7	120.0	160.0
41	72.5	58.4	98.4

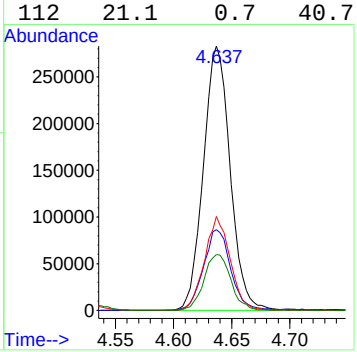


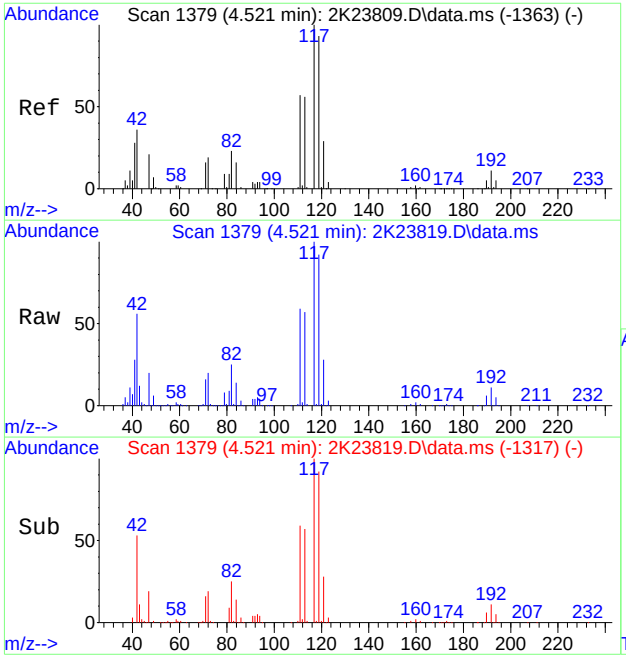


#46
1,1-dichloropropene
Concen: 52.43 ug/L
RT: 4.637 min Scan# 1415
Delta R.T. -0.000 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion: 75 Resp: 454641

Ion	Ratio	Lower	Upper
75	100		
77	30.5	10.5	50.5
110	35.5	14.4	54.4
112	21.1	0.7	40.7

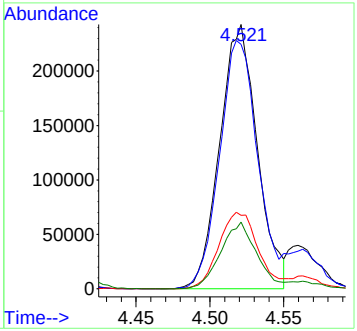


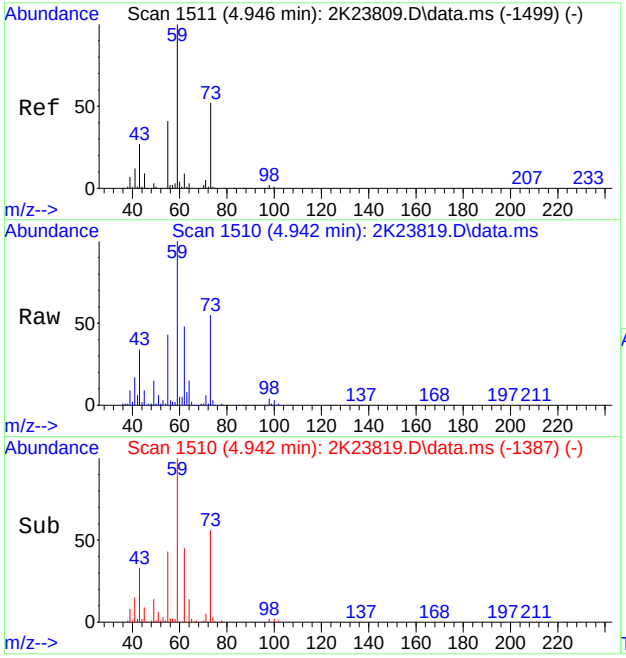


#47
carbon tetrachloride
Concen: 47.39 ug/L
RT: 4.521 min Scan# 1379
Delta R.T. 0.000 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion:117 Resp: 428463

Ion	Ratio	Lower	Upper
117	100		
119	92.4	72.9	112.9
121	27.8	9.2	49.2
82	25.3	2.9	42.9

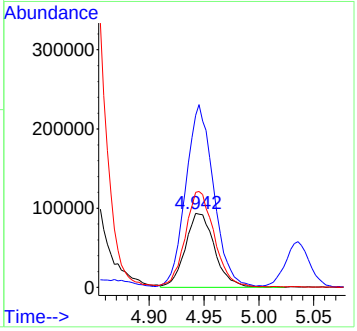


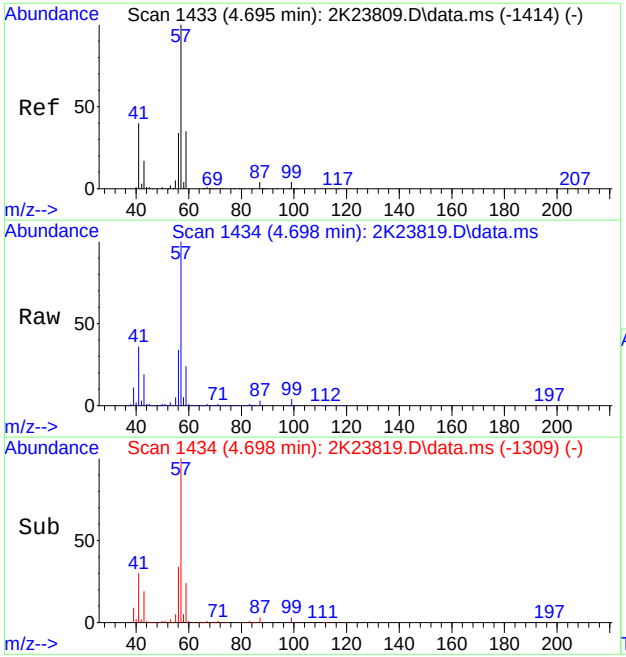


#49
tert-amyl alcohol
Concen: 255.23 ug/L
RT: 4.942 min Scan# 1510
Delta R.T. -0.004 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion: 55 Resp: 172985

Ion	Ratio	Lower	Upper
55	100		
59	229.7	218.4	258.4
73	127.8	106.6	146.6

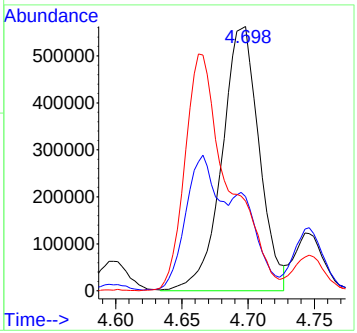


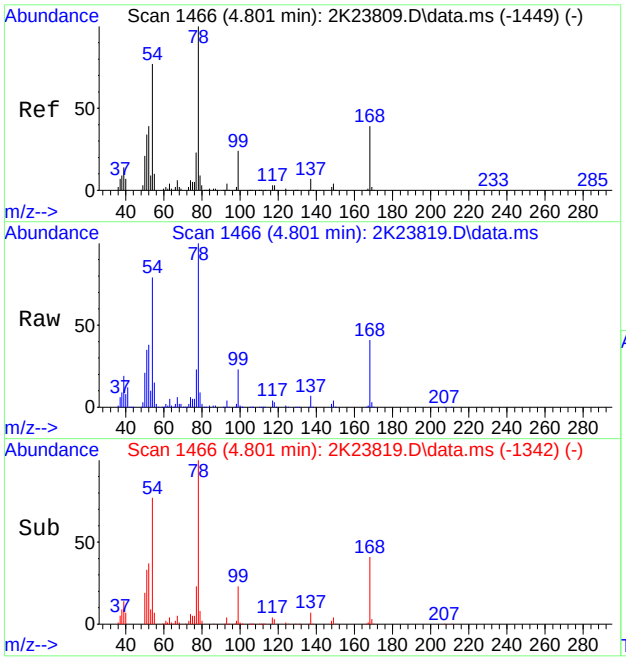


#52
iso-octane
Concen: 44.04 ug/L
RT: 4.698 min Scan# 1434
Delta R.T. 0.003 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion: 57 Resp: 1100792

Ion	Ratio	Lower	Upper
57	100		
41	34.8	19.7	59.7
56	32.9	14.3	54.3

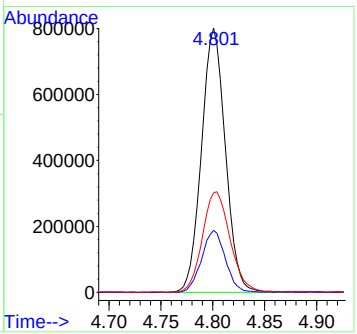


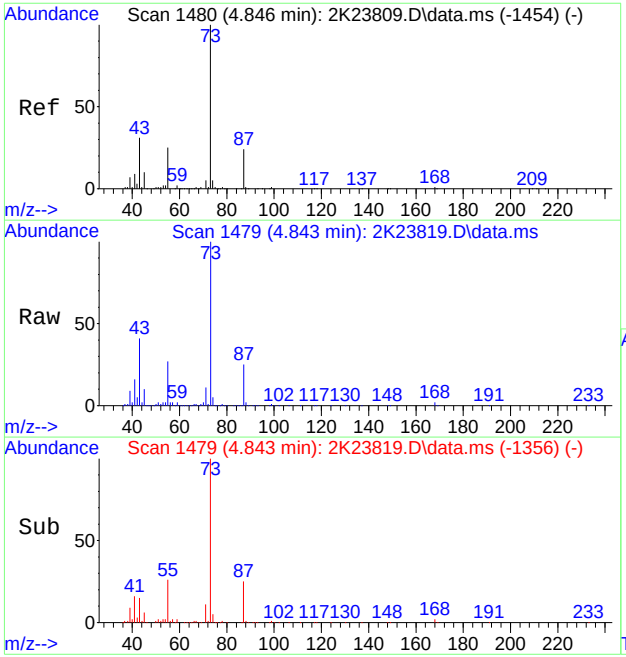


#53
benzene
Concen: 51.42 ug/L
RT: 4.801 min Scan# 1466
Delta R.T. -0.000 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion: 78 Resp: 1283970

Ion	Ratio	Lower	Upper
78	100		
77	23.3	0.0	53.5
52	37.5	8.9	68.9

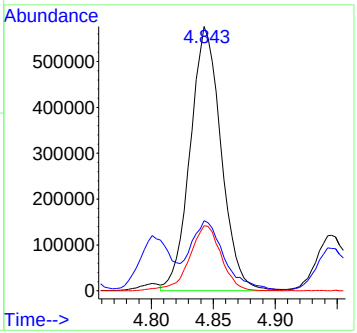


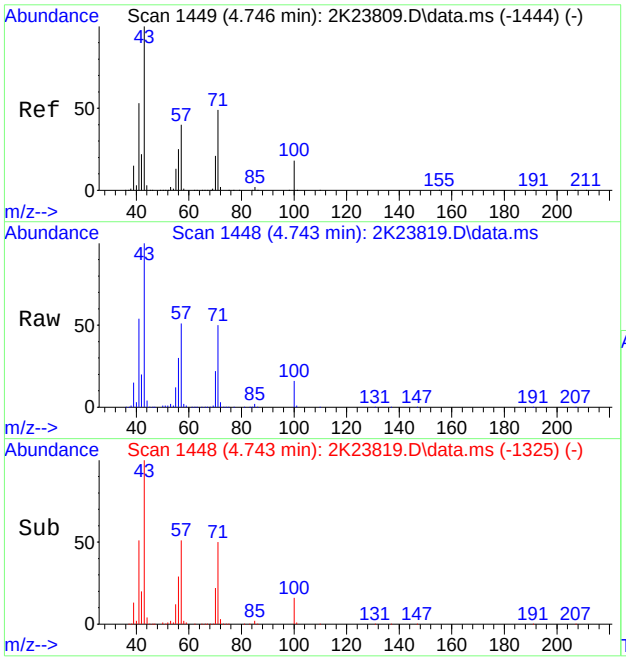


#54
tert-amyl methyl ether
Concen: 47.07 ug/L
RT: 4.843 min Scan# 1479
Delta R.T. -0.003 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion: 73 Resp: 998316

Ion	Ratio	Lower	Upper
73	100		
55	26.0	6.1	46.1
87	24.6	4.3	44.3

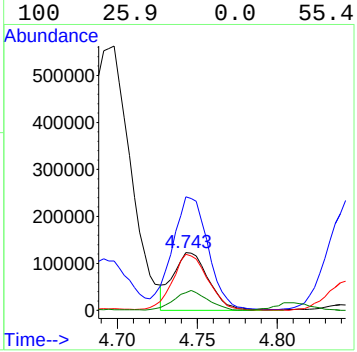


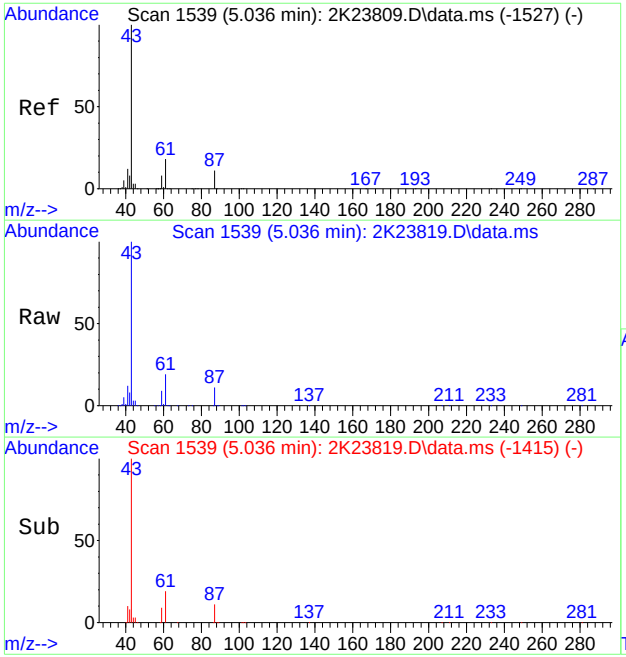


#55
heptane
Concen: 52.82 ug/L
RT: 4.743 min Scan# 1448
Delta R.T. -0.003 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion: 57 Resp: 192326

Ion	Ratio	Lower	Upper
57	100		
43	196.6	171.2	231.2
71	98.0	63.1	123.1
100	25.9	0.0	55.4

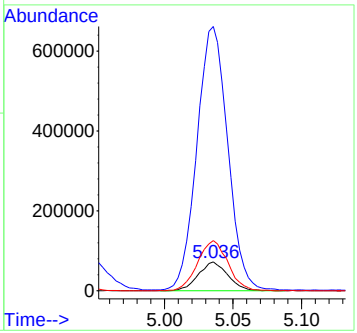


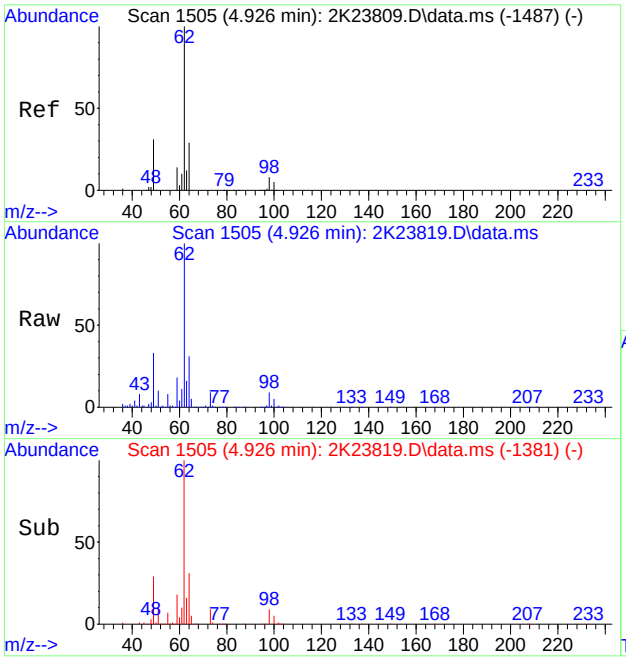


#56
isopropyl acetate
Concen: 52.83 ug/L
RT: 5.036 min Scan# 1539
Delta R.T. -0.000 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion: 87 Resp: 107970

Ion	Ratio	Lower	Upper
87	100		
43	909.0	917.6	977.6#
61	172.4	137.7	197.7

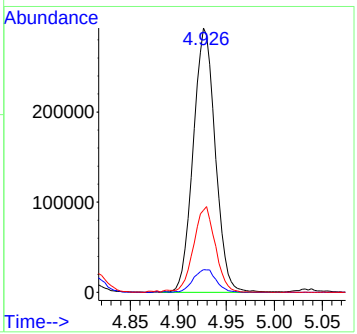


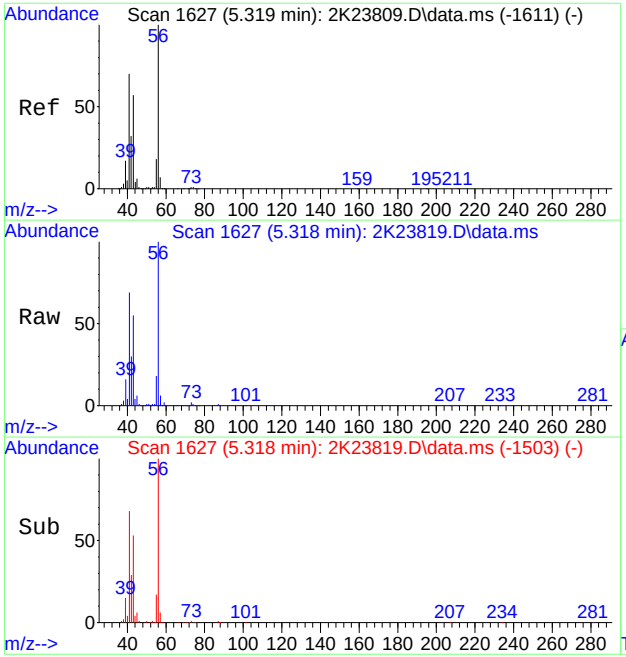


#57
1,2-dichloroethane
Concen: 46.81 ug/L
RT: 4.926 min Scan# 1505
Delta R.T. 0.000 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion: 62 Resp: 469996

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	38.3
64	31.1	0.0	59.6

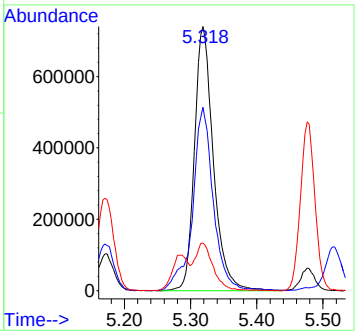


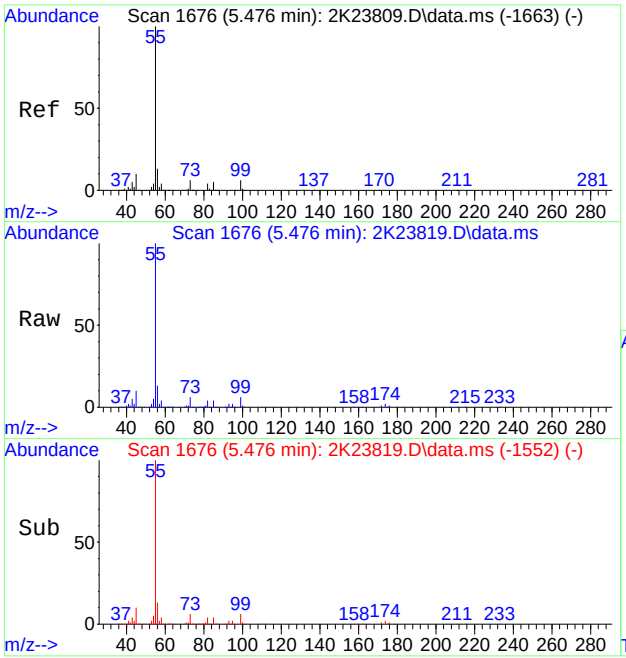


#58
n-butyl alcohol
Concen: 2641.65 ug/L
RT: 5.318 min Scan# 1627
Delta R.T. -0.001 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion: 56 Resp: 1467703

Ion	Ratio	Lower	Upper
56	100		
41	69.3	50.4	90.4
55	18.0	0.0	37.7

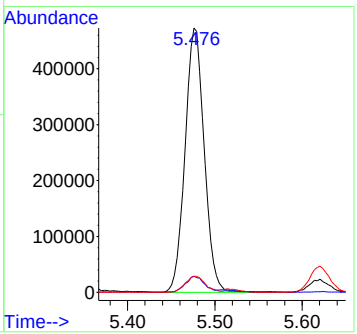


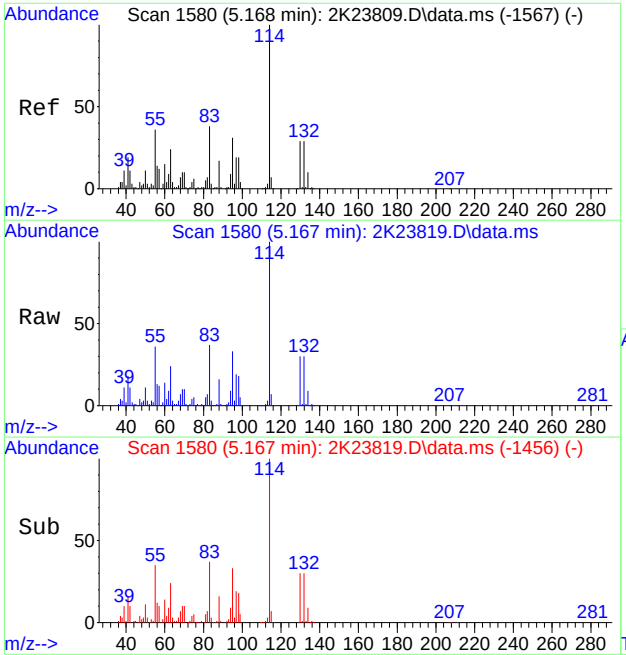


#59
ethyl acrylate
Concen: 53.09 ug/L
RT: 5.476 min Scan# 1676
Delta R.T. 0.000 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion: 55 Resp: 725534

Ion	Ratio	Lower	Upper
55	100		
73	6.2	0.0	36.2
99	6.1	0.0	36.0

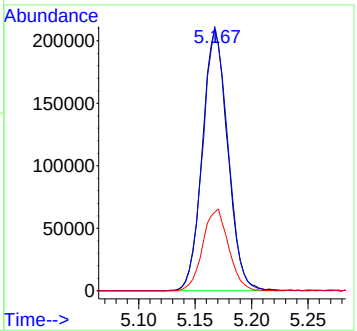


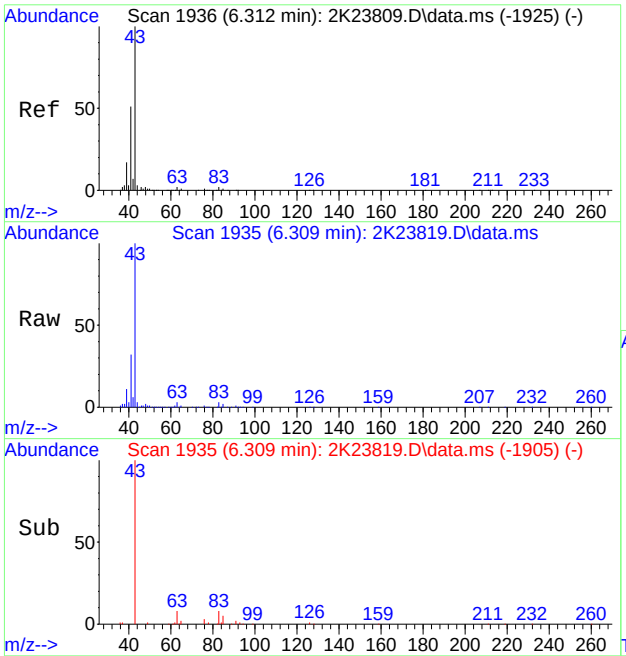


#60
trichloroethene
Concen: 53.53 ug/L
RT: 5.167 min Scan# 1580
Delta R.T. -0.001 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion:130 Resp: 325813

Ion	Ratio	Lower	Upper
130	100		
132	100.9	70.8	130.8
134	30.0	4.2	64.2

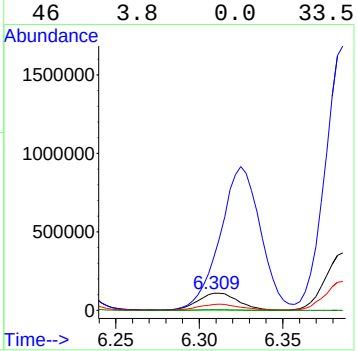


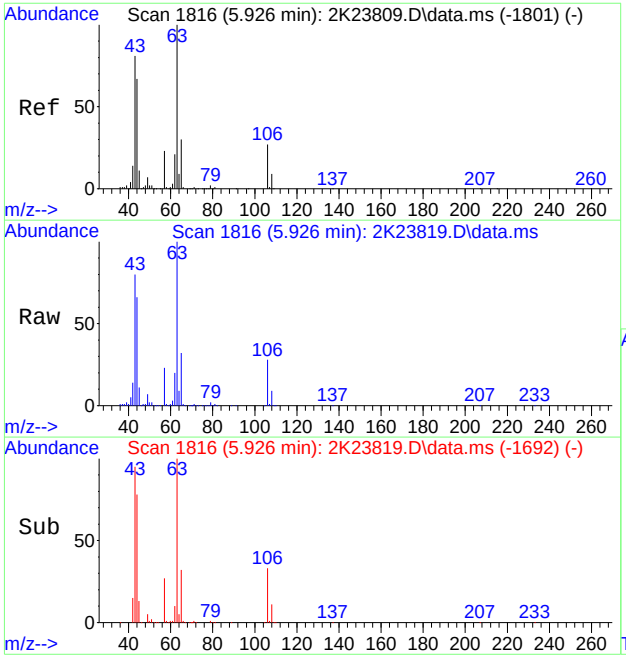


#61
2-nitropropane
Concen: 49.90 ug/L
RT: 6.309 min Scan# 1935
Delta R.T. -0.003 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion: 41 Resp: 178570

Ion	Ratio	Lower	Upper
41	100		
43	311.2	163.8	223.8#
39	34.3	4.1	64.1
46	3.8	0.0	33.5

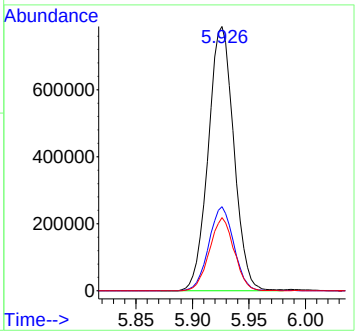


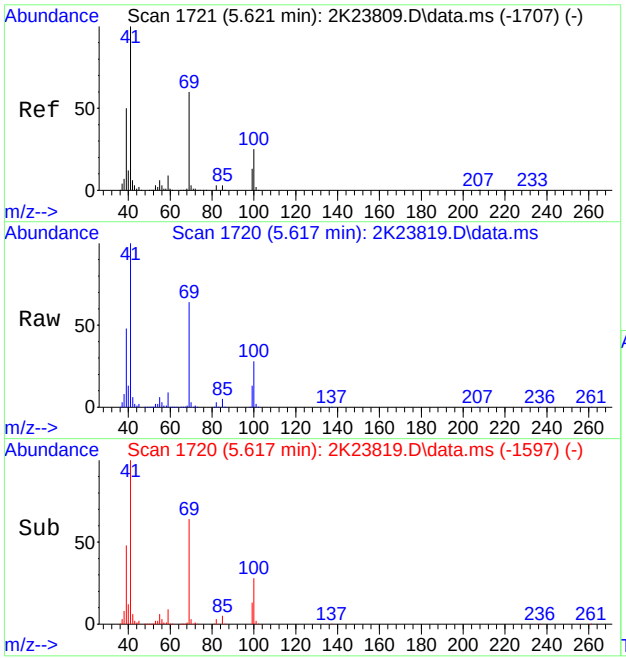


#62
2-chloroethyl vinyl ether
Concen: 264.96 ug/L
RT: 5.926 min Scan# 1816
Delta R.T. 0.000 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion: 63 Resp: 1239027

Ion	Ratio	Lower	Upper
63	100		
65	31.8	0.3	60.3
106	27.7	0.0	57.1

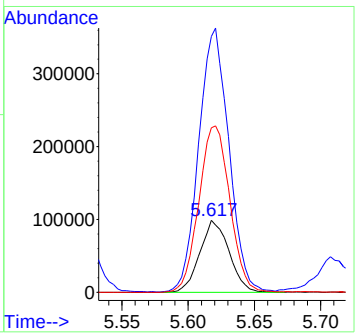


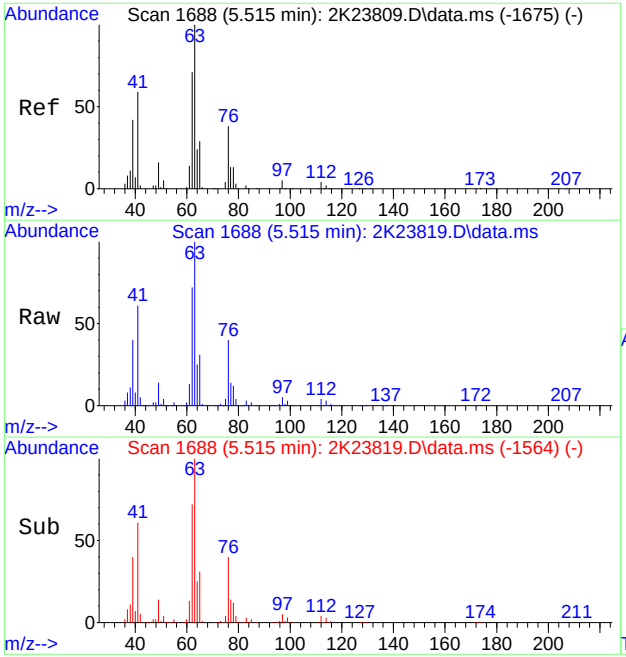


#63
methyl methacrylate
Concen: 64.17 ug/L
RT: 5.617 min Scan# 1720
Delta R.T. -0.004 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion:100 Resp: 152278

Ion	Ratio	Lower	Upper
100	100		
41	354.0	374.3	434.3#
69	228.2	214.3	274.3

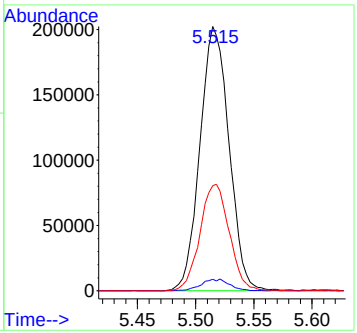


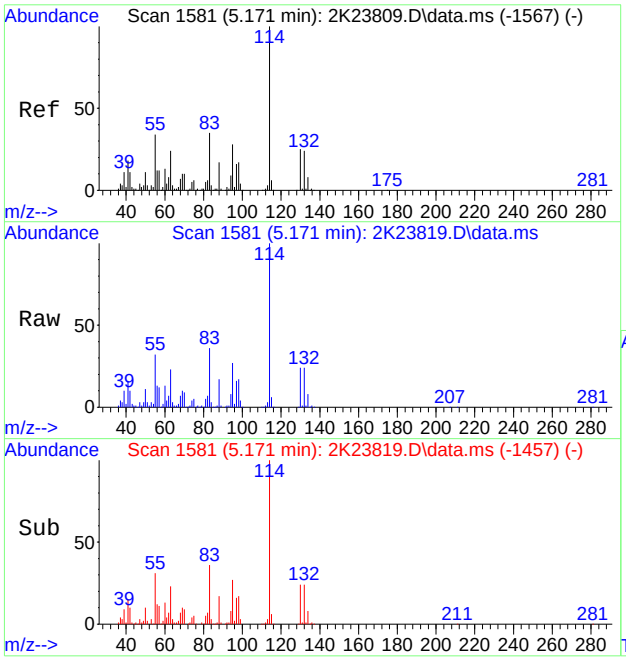


#64
1,2-dichloropropane
Concen: 50.53 ug/L
RT: 5.515 min Scan# 1688
Delta R.T. -0.000 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion: 63 Resp: 351855

Ion	Ratio	Lower	Upper
63	100		
112	4.3	0.0	33.7
76	39.8	7.9	67.9

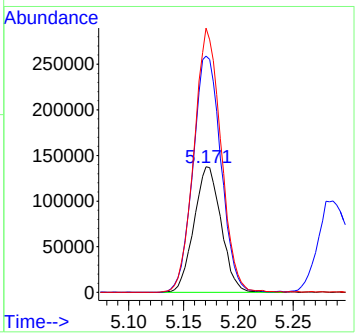


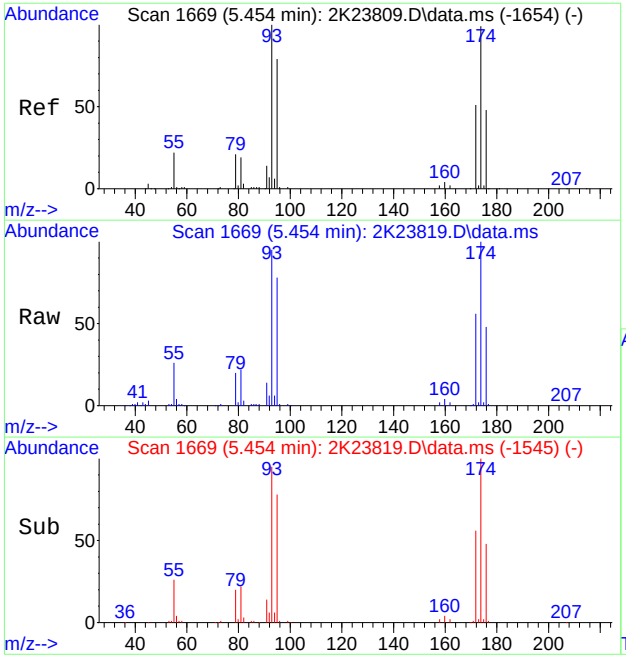


#65
methylcyclohexane
Concen: 53.40 ug/L
RT: 5.171 min Scan# 1581
Delta R.T. -0.000 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion: 98 Resp: 237233

Ion	Ratio	Lower	Upper
98	100		
55	188.4	173.8	233.8
83	210.5	181.7	241.7

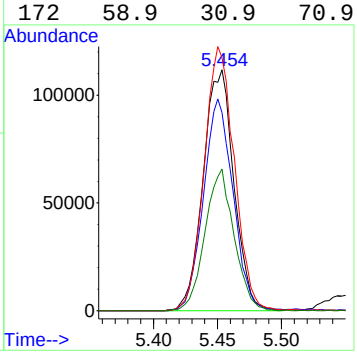


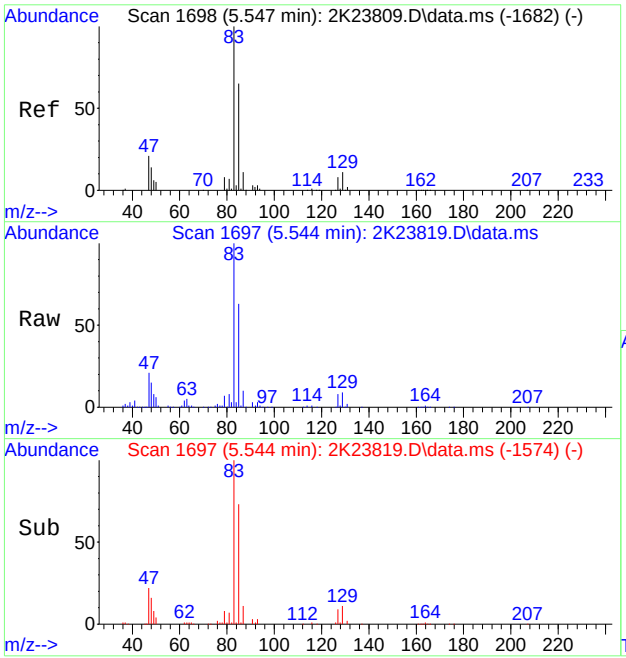


#66
dibromomethane
Concen: 48.38 ug/L
RT: 5.454 min Scan# 1669
Delta R.T. -0.000 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion: 93 Resp: 187012

Ion	Ratio	Lower	Upper
93	100		
95	82.2	49.5	109.5
174	105.1	68.7	128.7
172	58.9	30.9	70.9

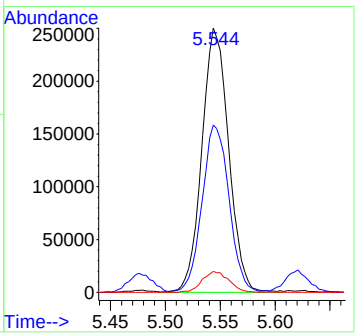


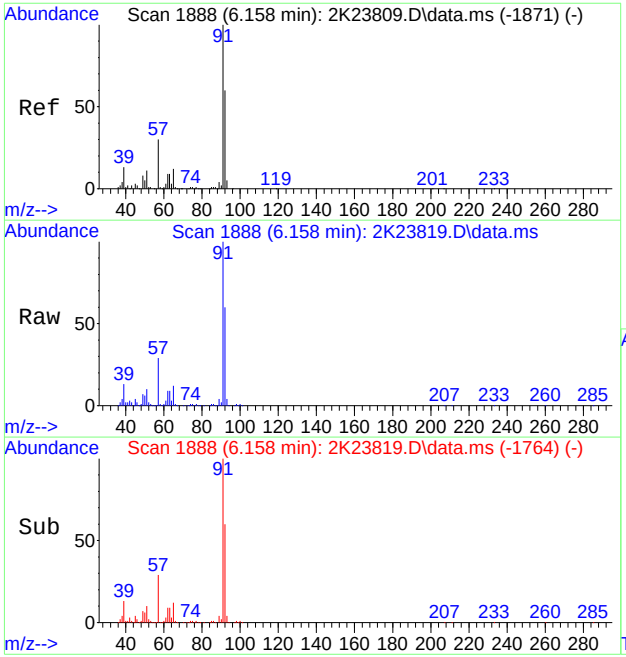


#67
bromodichloromethane
Concen: 50.98 ug/L
RT: 5.544 min Scan# 1697
Delta R.T. -0.003 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion: 83 Resp: 424986

Ion	Ratio	Lower	Upper
83	100		
85	61.2	36.5	96.5
127	8.0	0.0	37.8

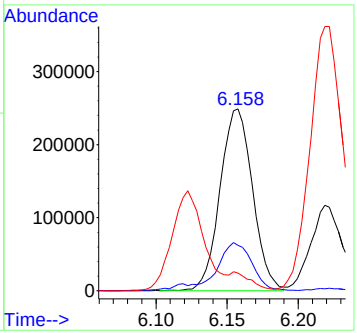


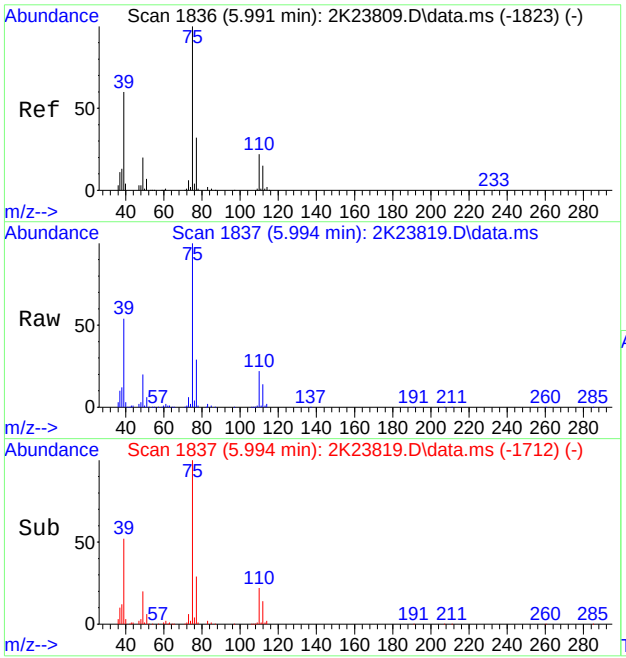


#68
epichlorohydrin
Concen: 257.19 ug/L
RT: 6.158 min Scan# 1888
Delta R.T. -0.000 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion: 57 Resp: 397447

Ion	Ratio	Lower	Upper
57	100		
49	24.4	7.1	47.1
42	7.2	0.0	27.5

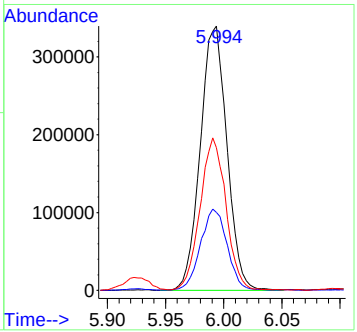


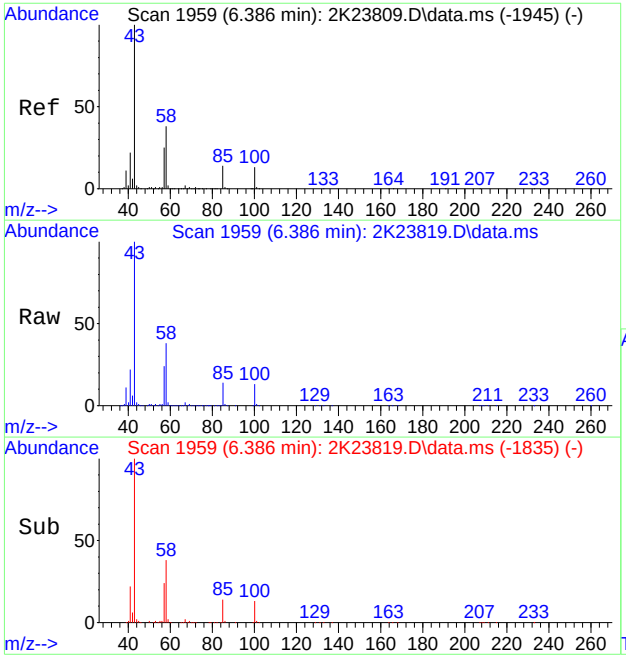


#69
cis-1,3-dichloropropene
Concen: 50.94 ug/L
RT: 5.994 min Scan# 1837
Delta R.T. 0.003 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion: 75 Resp: 541817

Ion	Ratio	Lower	Upper
75	100		
77	29.4	2.1	62.1
39	53.8	30.1	90.1

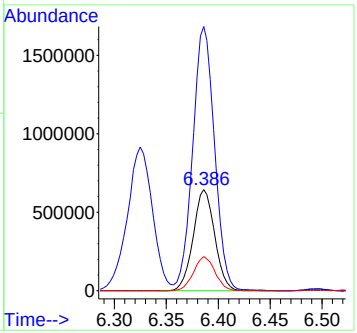


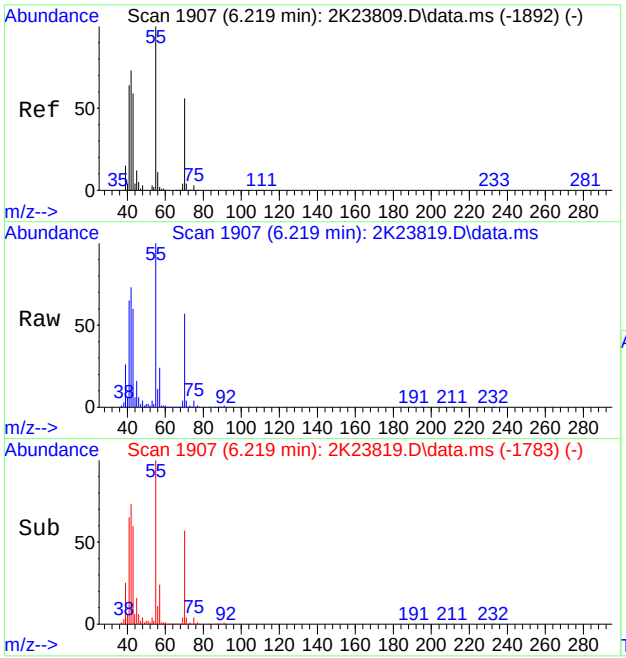


#70
4-methyl-2-pentanone
Concen: 205.77 ug/L
RT: 6.386 min Scan# 1959
Delta R.T. -0.000 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion: 58 Resp: 934136

Ion	Ratio	Lower	Upper
58	100		
43	261.4	244.4	304.4
100	34.0	4.8	64.8

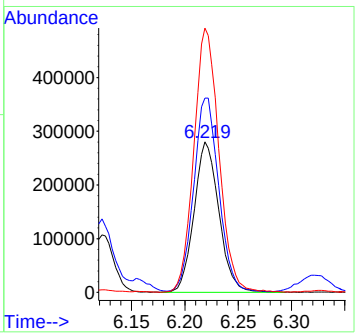


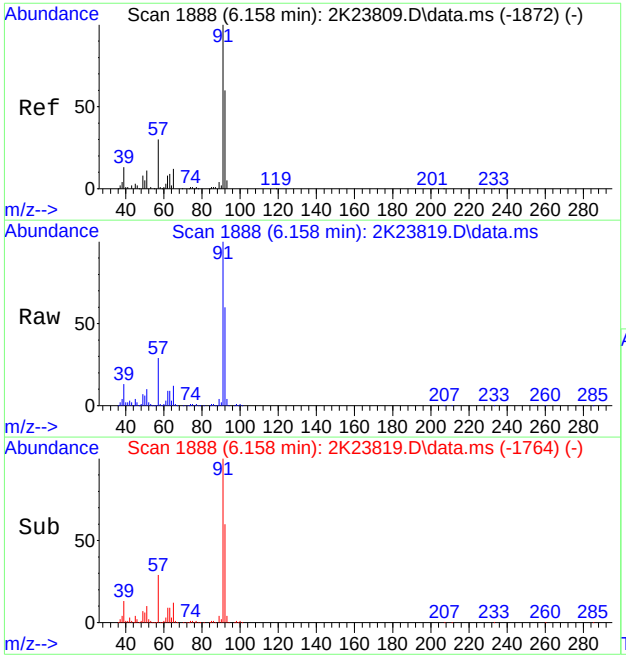


#71
3-methyl-1-butanol
Concen: 1050.82 ug/L
RT: 6.219 min Scan# 1907
Delta R.T. -0.000 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion: 70 Resp: 454107

Ion	Ratio	Lower	Upper
70	100		
42	127.8	100.5	160.5
55	175.7	148.8	208.8

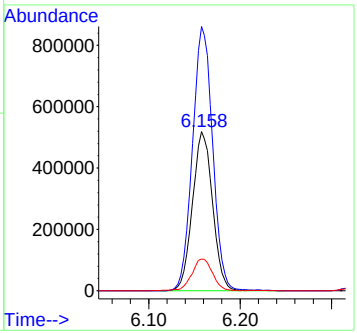


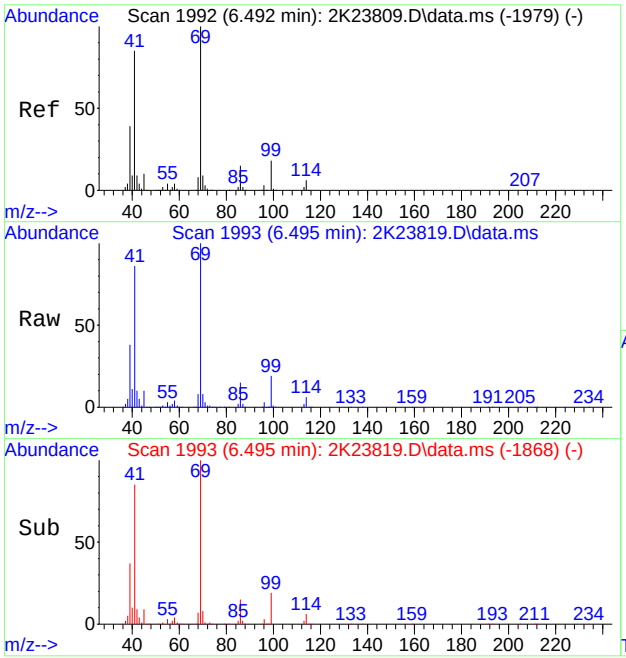


#74
toluene
Concen: 51.09 ug/L
RT: 6.158 min Scan# 1888
Delta R.T. -0.000 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion: 92 Resp: 791025

Ion	Ratio	Lower	Upper
92	100		
91	166.0	145.9	185.9
65	19.9	0.5	40.5

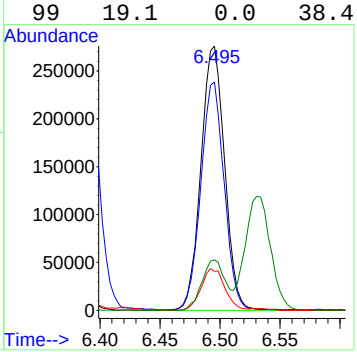


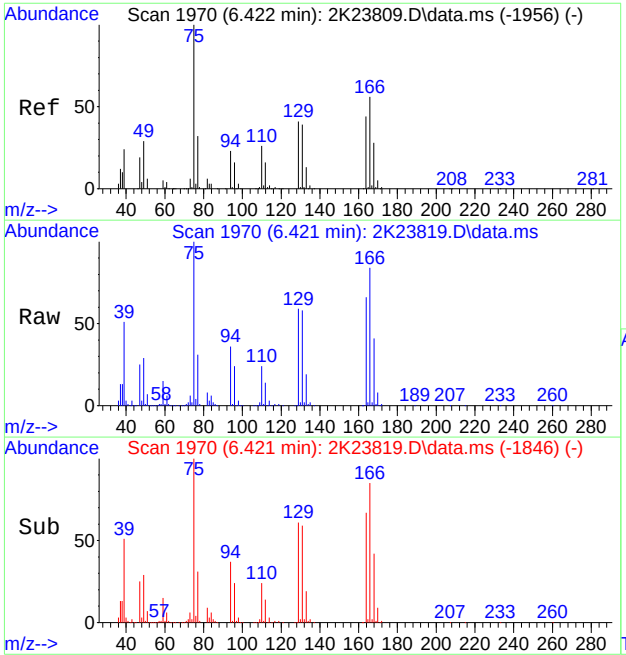


#75
ethyl methacrylate
Concen: 38.99 ug/L
RT: 6.495 min Scan# 1993
Delta R.T. 0.003 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion: 69 Resp: 378047

Ion	Ratio	Lower	Upper
69	100		
41	86.2	65.3	105.3
86	14.8	0.0	34.6
99	19.1	0.0	38.4

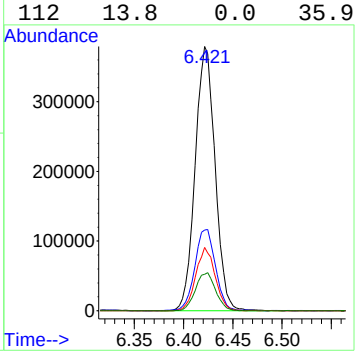


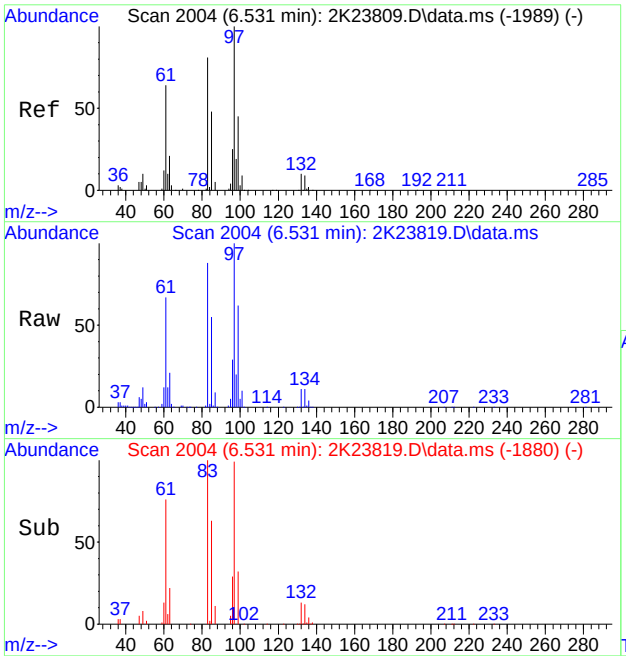


#76
trans-1,3-dichloropropene
Concen: 52.42 ug/L
RT: 6.421 min Scan# 1970
Delta R.T. -0.001 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion: 75 Resp: 534325

Ion	Ratio	Lower	Upper
75	100		
77	30.5	12.2	52.2
110	23.9	5.7	45.7
112	13.8	0.0	35.9

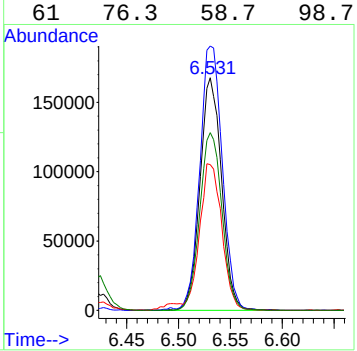


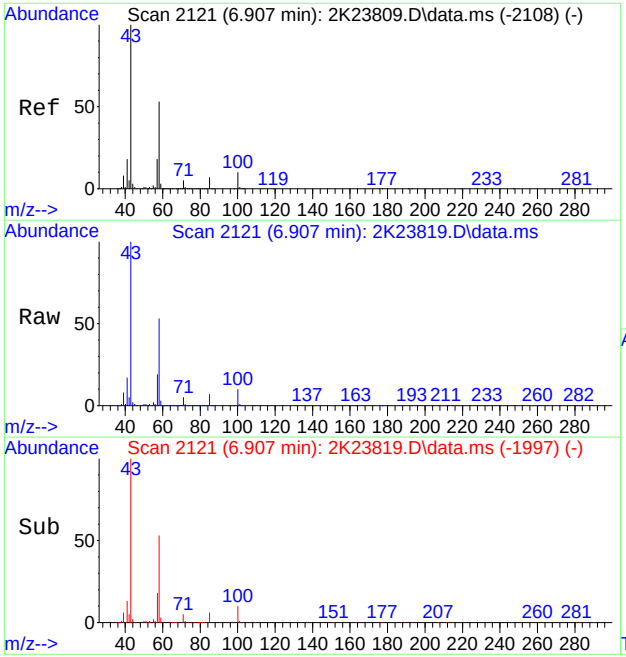


#77
1,1,2-trichloroethane
Concen: 51.87 ug/L
RT: 6.531 min Scan# 2004
Delta R.T. -0.000 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion: 83 Resp: 243801

Ion	Ratio	Lower	Upper
83	100		
97	113.7	103.4	143.4
85	62.7	40.7	80.7
61	76.3	58.7	98.7

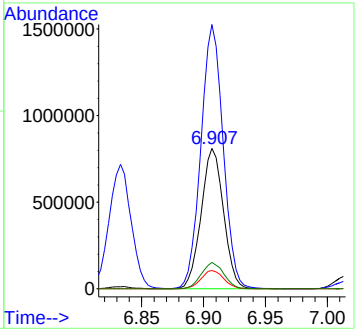


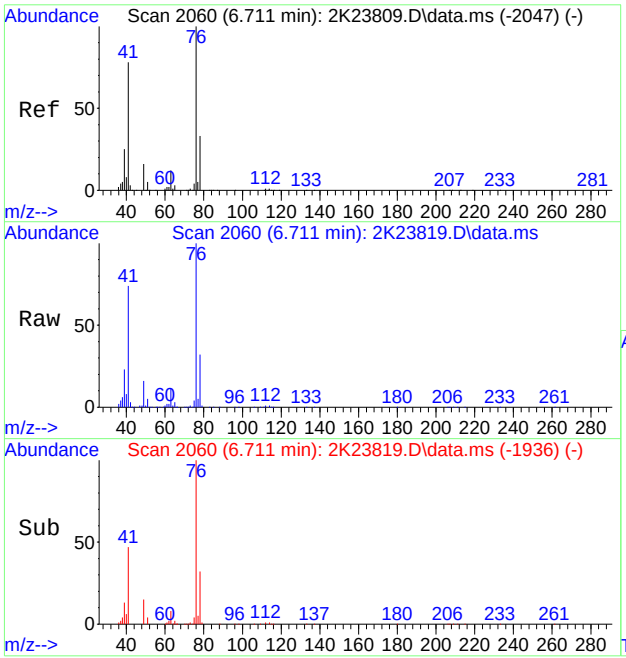


#79
2-hexanone
Concen: 209.69 ug/L
RT: 6.907 min Scan# 2121
Delta R.T. -0.000 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion: 58 Resp: 1016694

Ion	Ratio	Lower	Upper
58	100		
43	188.1	168.9	208.9
85	13.1	0.0	33.1
100	18.9	0.0	39.1

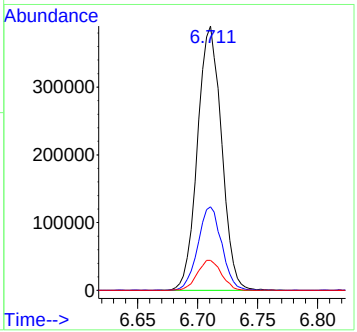


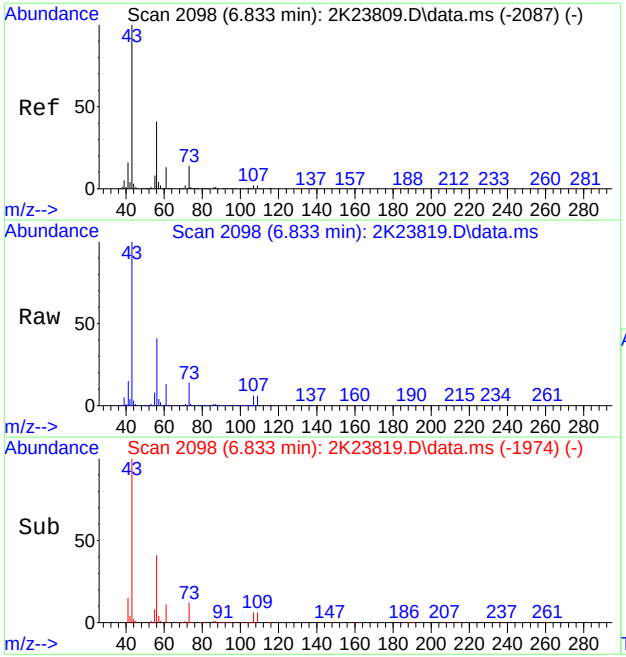


#80
1,3-dichloropropane
Concen: 53.21 ug/L
RT: 6.711 min Scan# 2060
Delta R.T. -0.000 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion: 76 Resp: 544186

Ion	Ratio	Lower	Upper
76	100		
78	31.6	2.9	62.9
63	11.4	0.0	42.3

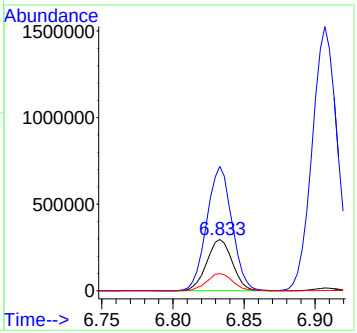


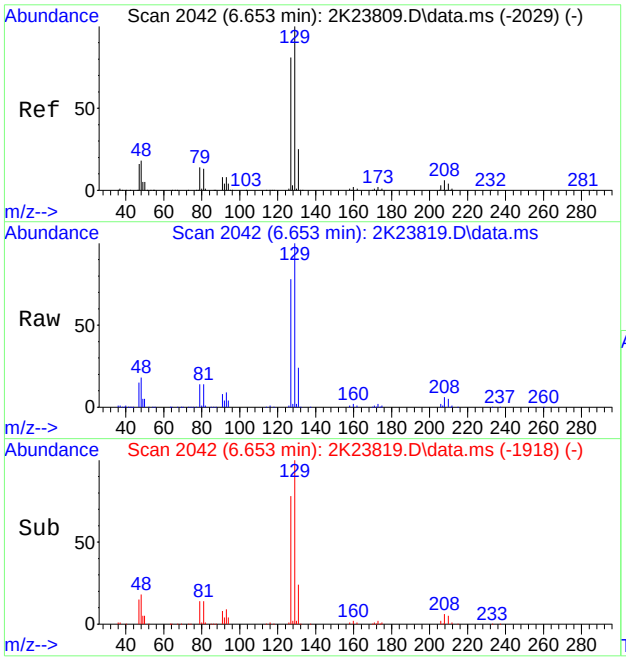


#81
butyl acetate
Concen: 52.47 ug/L
RT: 6.833 min Scan# 2098
Delta R.T. -0.000 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion: 56 Resp: 371652

Ion	Ratio	Lower	Upper
56	100		
43	242.7	213.5	273.5
73	33.2	4.2	64.2

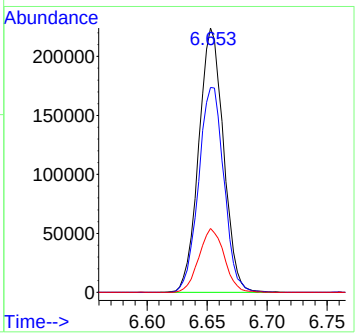


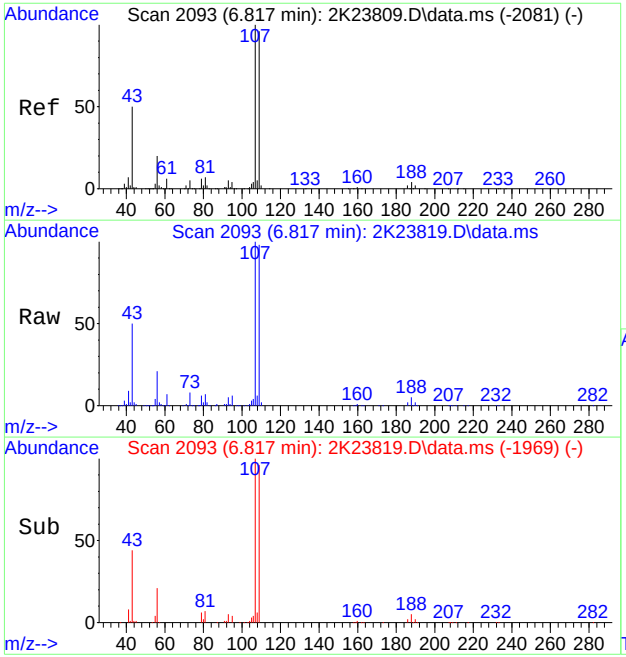


#82
dibromochloromethane
Concen: 52.71 ug/L
RT: 6.653 min Scan# 2042
Delta R.T. -0.000 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion:129 Resp: 320977

Ion	Ratio	Lower	Upper
129	100		
127	77.5	50.8	110.8
131	24.2	0.0	55.3

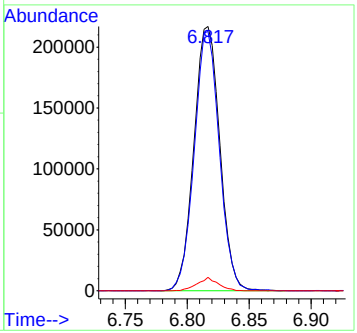


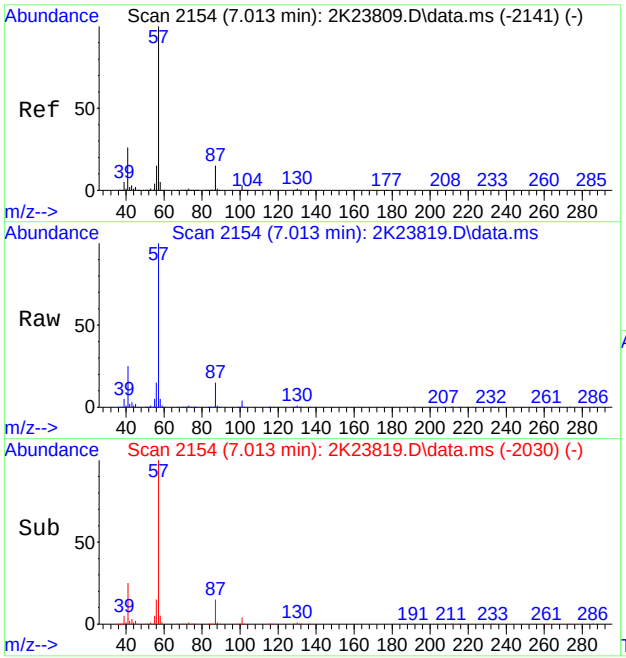


#83
1,2-dibromoethane
Concen: 54.97 ug/L
RT: 6.817 min Scan# 2093
Delta R.T. -0.000 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion:107 Resp: 314530

Ion	Ratio	Lower	Upper
107	100		
109	98.1	65.7	125.7
188	5.1	0.0	33.6

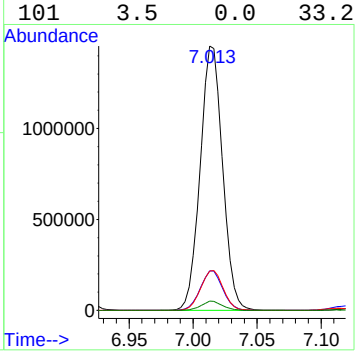


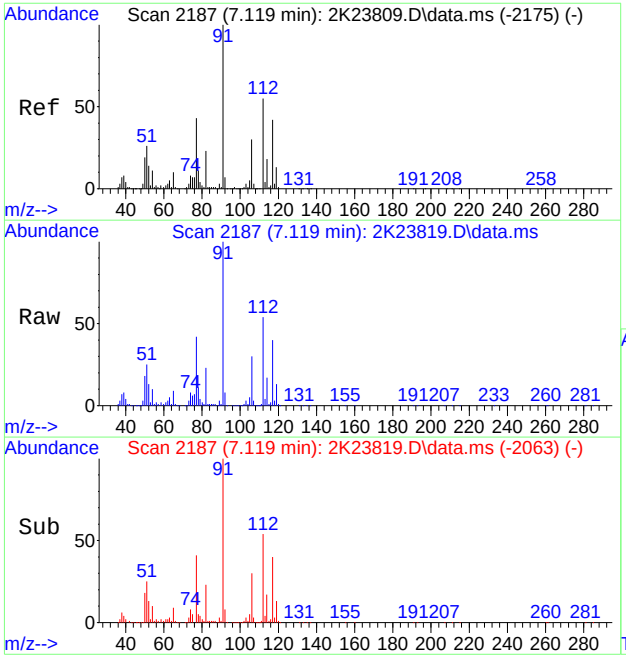


#84
n-butyl ether
Concen: 54.60 ug/L
RT: 7.013 min Scan# 2154
Delta R.T. -0.000 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion: 57 Resp: 1770360

Ion	Ratio	Lower	Upper
57	100		
56	14.9	0.0	45.2
87	14.8	0.0	45.0
101	3.5	0.0	33.2

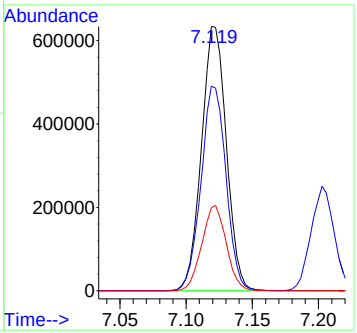


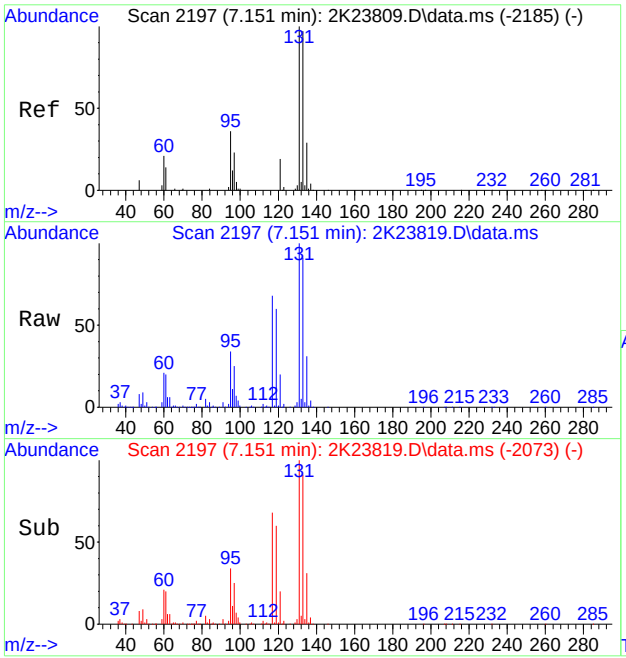


#85
chlorobenzene
Concen: 51.52 ug/L
RT: 7.119 min Scan# 2187
Delta R.T. 0.000 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion:112 Resp: 829623

Ion	Ratio	Lower	Upper
112	100		
77	77.3	49.5	109.5
114	31.4	2.1	62.1

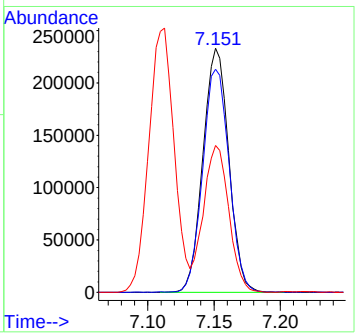


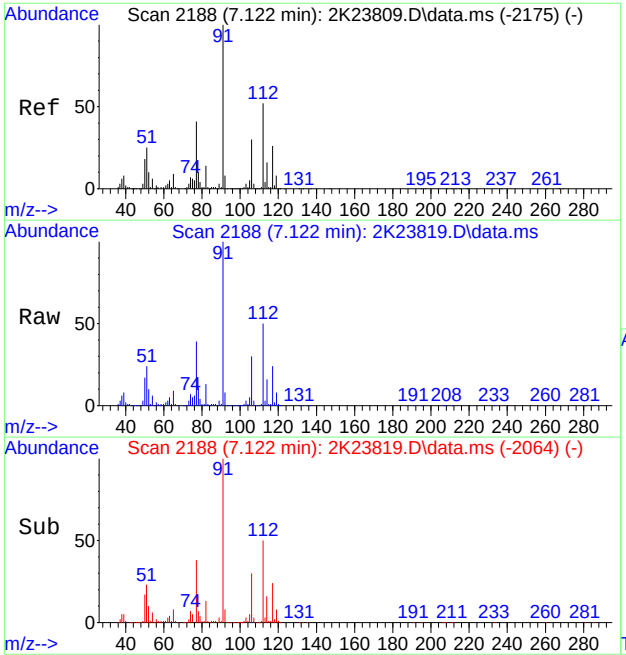


#86
1,1,1,2-tetrachloroethane
Concen: 55.13 ug/L
RT: 7.151 min Scan# 2197
Delta R.T. 0.000 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion:131 Resp: 315692

Ion	Ratio	Lower	Upper
131	100		
133	91.2	66.7	126.7
119	59.8	31.1	91.1

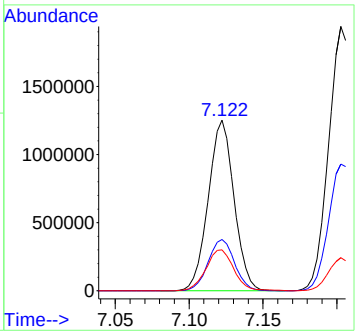


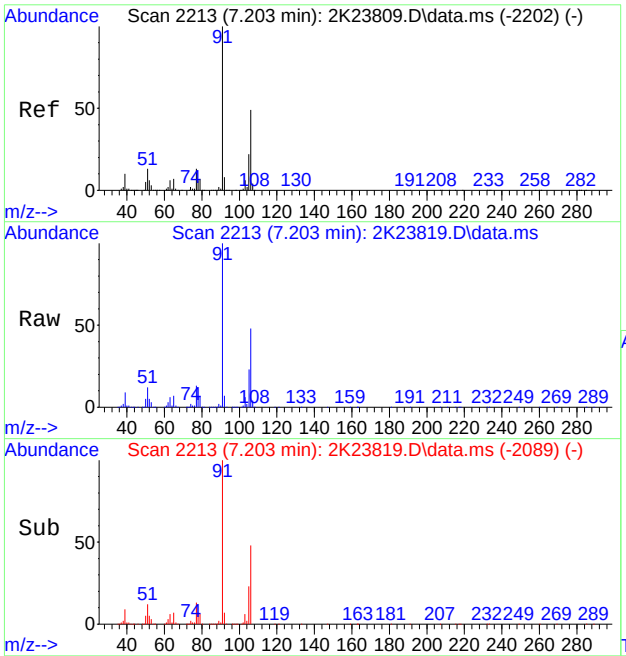


#87
ethylbenzene
Concen: 51.20 ug/L
RT: 7.122 min Scan# 2188
Delta R.T. 0.000 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion: 91 Resp: 1516214

Ion	Ratio	Lower	Upper
91	100		
106	30.1	0.3	60.3
51	24.0	0.0	55.4

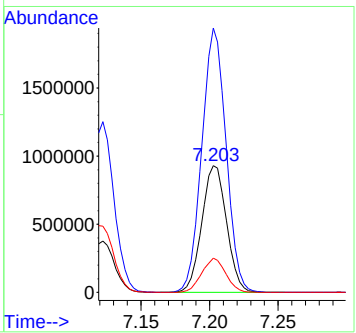


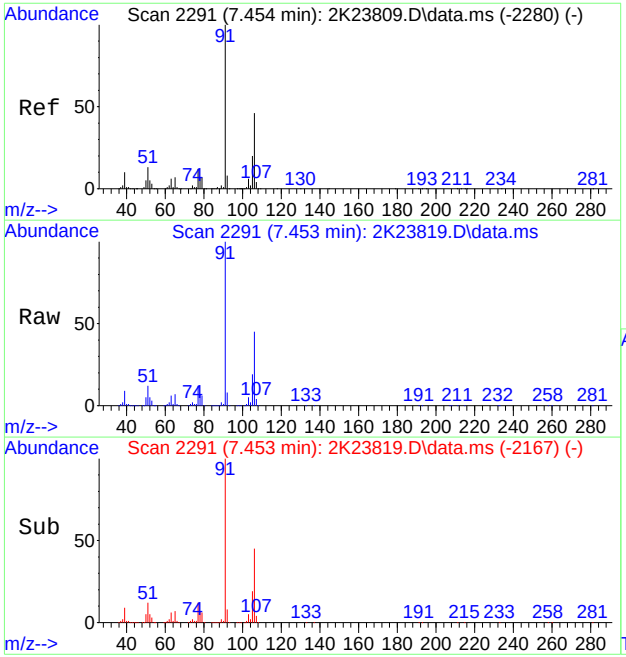


#88
m,p-xylene
Concen: 107.60 ug/L
RT: 7.203 min Scan# 2213
Delta R.T. -0.000 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion:106 Resp: 1168365

Ion	Ratio	Lower	Upper
106	100		
91	208.7	173.5	233.5
77	26.9	7.0	47.0

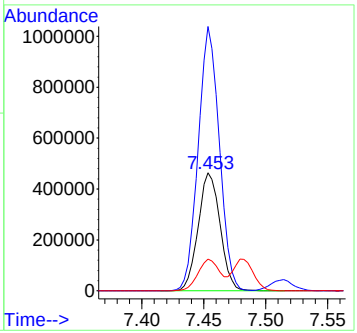


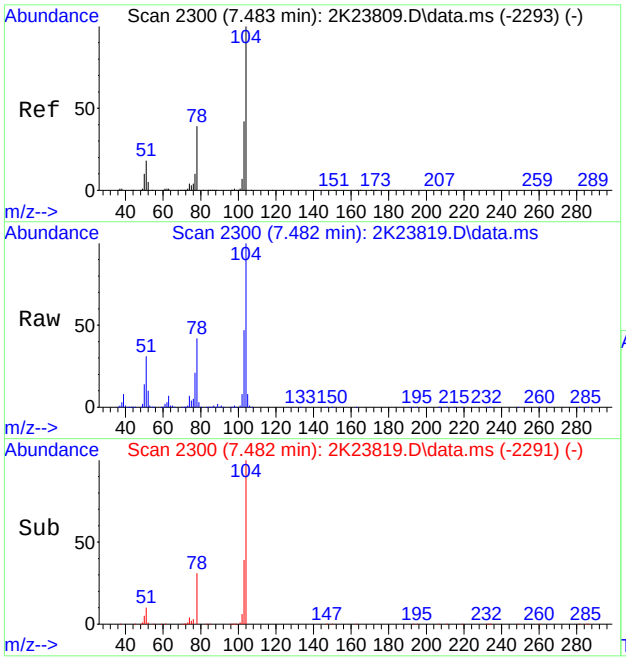


#89
o-xylene
Concen: 53.92 ug/L
RT: 7.453 min Scan# 2291
Delta R.T. -0.001 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion:106 Resp: 569462

Ion	Ratio	Lower	Upper
106	100		
91	223.8	186.3	246.3
77	26.7	6.7	46.7

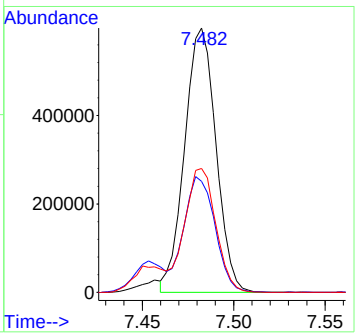


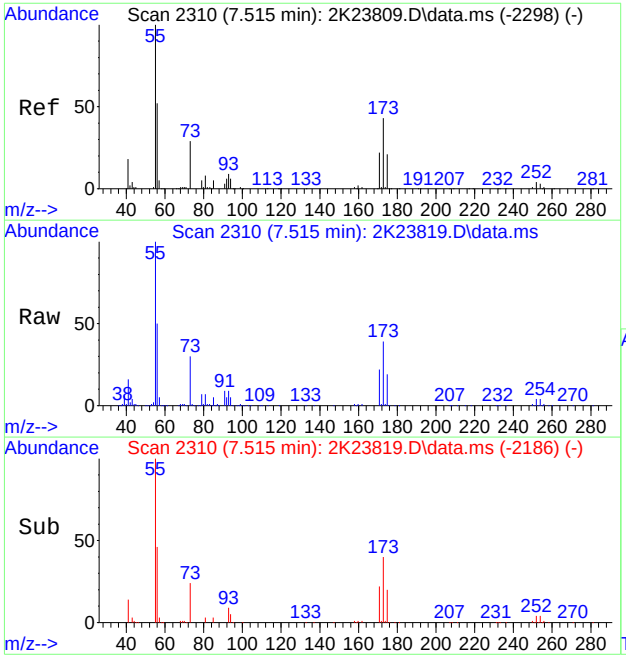


#90
styrene
Concen: 39.86 ug/L
RT: 7.482 min Scan# 2300
Delta R.T. -0.001 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion:104 Resp: 714968

Ion	Ratio	Lower	Upper
104	100		
78	42.0	14.3	74.3
103	46.8	17.0	77.0

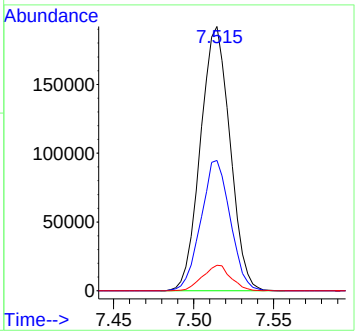


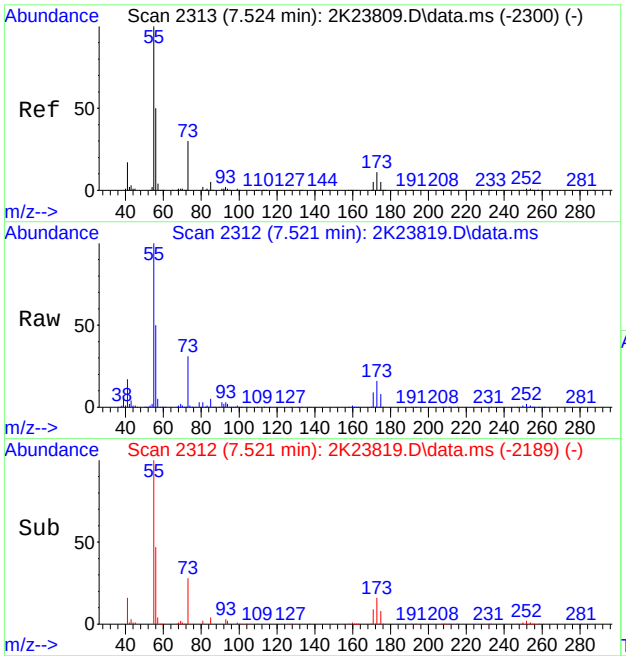


#91
bromoform
Concen: 50.95 ug/L
RT: 7.515 min Scan# 2310
Delta R.T. -0.000 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion:173 Resp: 246985

Ion	Ratio	Lower	Upper
173	100		
175	49.3	18.6	78.6
254	9.7	0.0	37.9

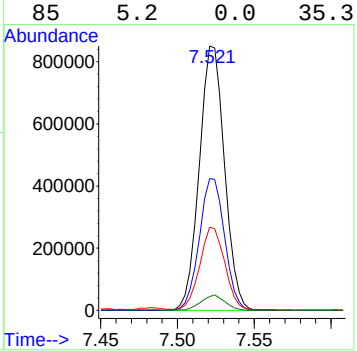


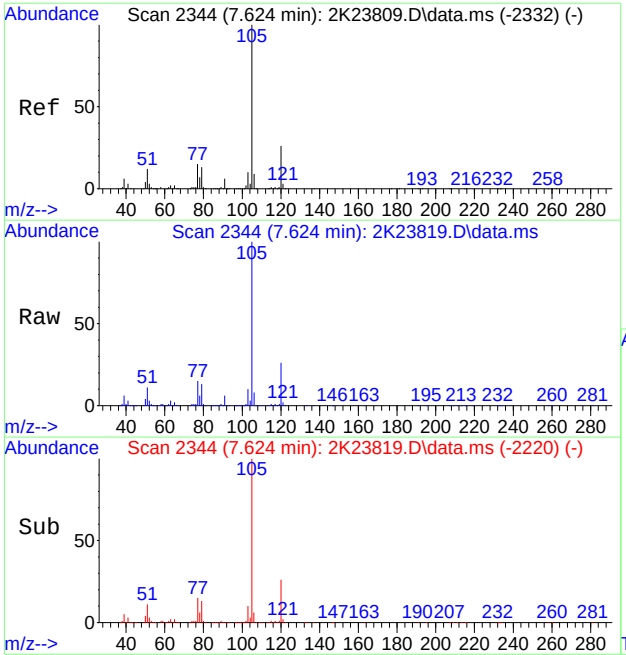


#92
butyl acrylate
Concen: 53.55 ug/L
RT: 7.521 min Scan# 2312
Delta R.T. -0.003 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion: 55 Resp: 971471

Ion	Ratio	Lower	Upper
55	100		
56	49.9	20.5	80.5
73	31.3	0.7	60.7
85	5.2	0.0	35.3

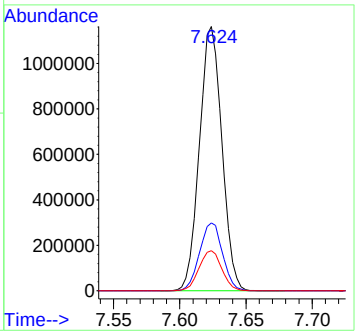


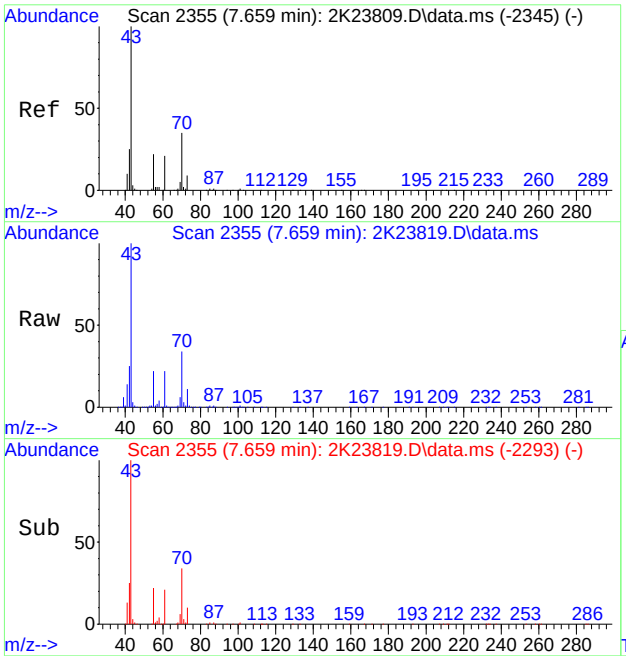


#93
isopropylbenzene
Concen: 52.26 ug/L
RT: 7.624 min Scan# 2344
Delta R.T. -0.000 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion:105 Resp: 1372230

Ion	Ratio	Lower	Upper
105	100		
120	25.7	6.4	46.4
77	15.2	0.0	35.1

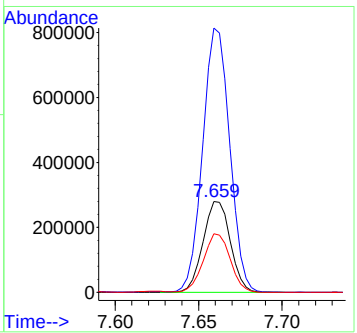


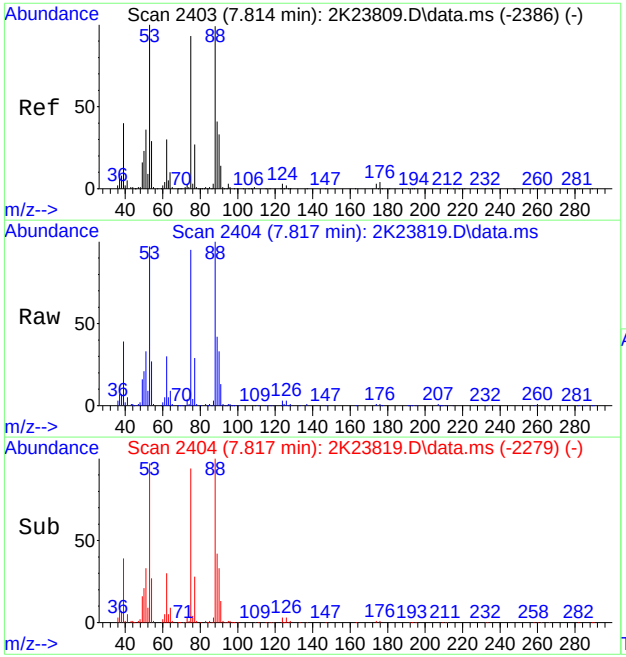


#94
n-amyl acetate
Concen: 54.40 ug/L
RT: 7.659 min Scan# 2355
Delta R.T. 0.000 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion: 70 Resp: 317715

Ion	Ratio	Lower	Upper
70	100		
43	290.7	265.5	305.5
61	64.5	41.9	81.9

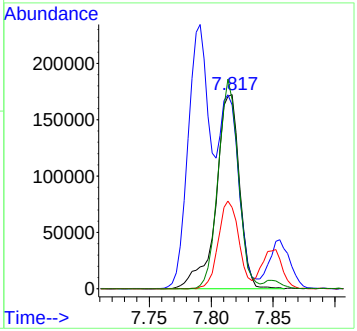


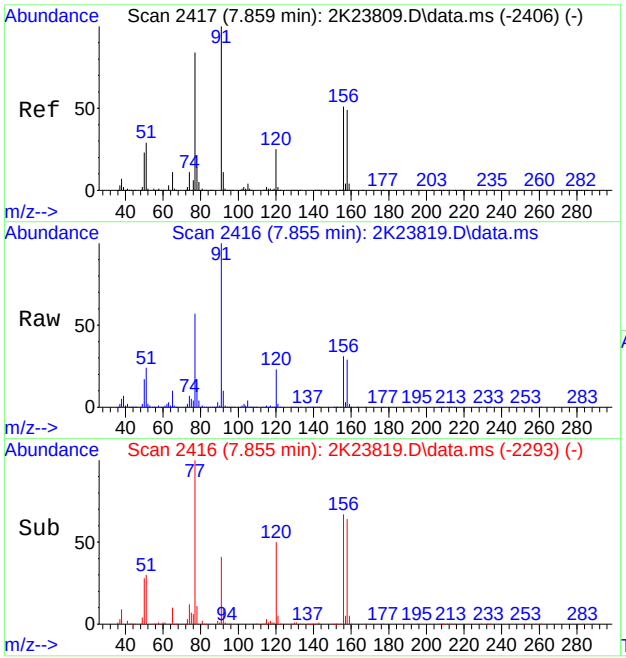


#95
cis-1,4-dichloro-2-butene
Concen: 54.66 ug/L
RT: 7.817 min Scan# 2404
Delta R.T. 0.003 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion: 88 Resp: 229241

Ion	Ratio	Lower	Upper
88	100		
75	94.5	73.7	113.7
89	41.8	20.9	60.9
53	97.3	81.0	121.0

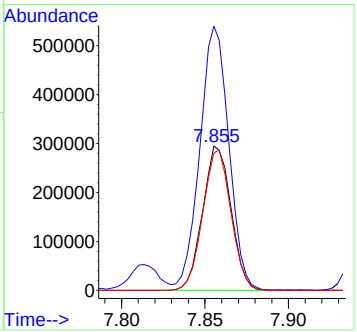


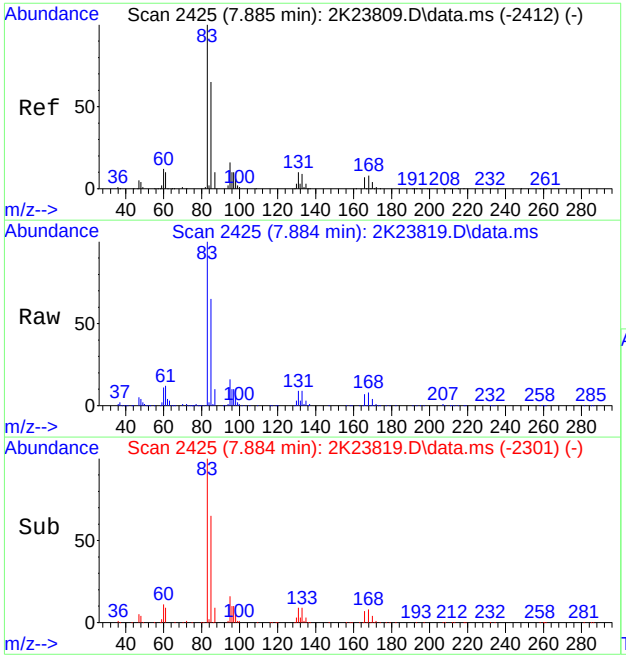


#98
bromobenzene
Concen: 51.85 ug/L
RT: 7.855 min Scan# 2416
Delta R.T. -0.004 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion:156 Resp: 348702

Ion	Ratio	Lower	Upper
156	100		
77	182.9	144.3	204.3
158	95.1	66.5	126.5

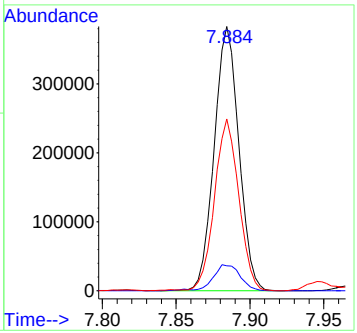


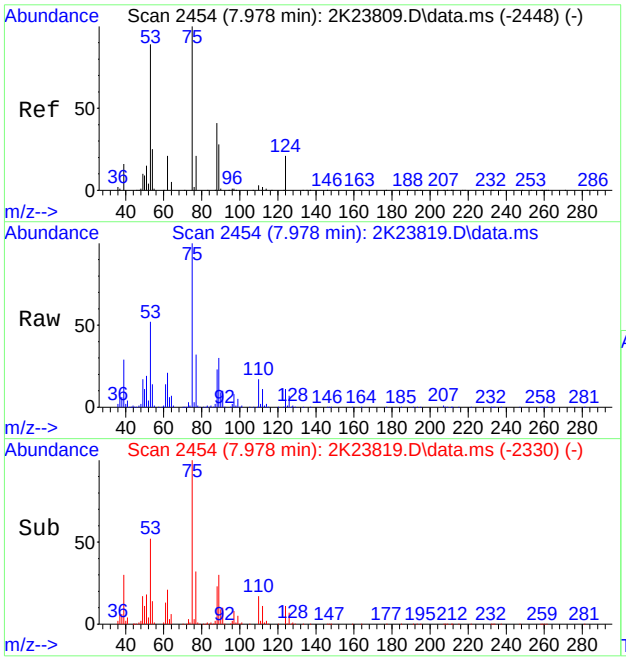


#99
1,1,2,2-tetrachloroethane
Concen: 50.95 ug/L
RT: 7.884 min Scan# 2425
Delta R.T. -0.001 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion: 83 Resp: 443092

Ion	Ratio	Lower	Upper
83	100		
131	9.4	0.0	40.0
85	64.9	35.3	95.3

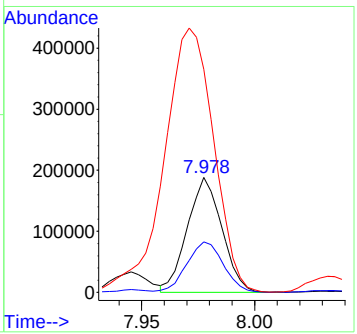


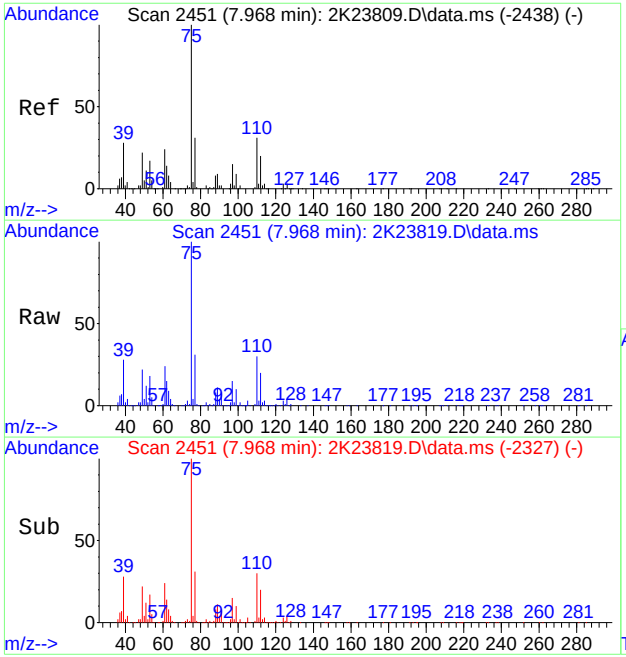


#100
trans-1,4-dichloro-2-butene
Concen: 50.17 ug/L
RT: 7.978 min Scan# 2454
Delta R.T. -0.000 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion: 53 Resp: 199939

Ion	Ratio	Lower	Upper
53	100		
88	43.9	15.2	75.2
75	193.6	166.9	226.9

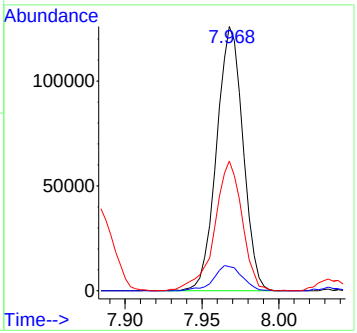


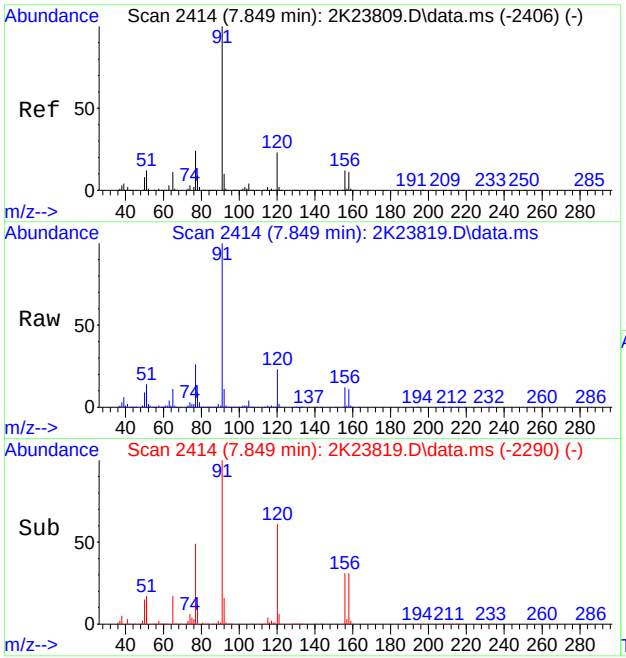


#101
1,2,3-trichloropropane
Concen: 51.07 ug/L
RT: 7.968 min Scan# 2451
Delta R.T. -0.000 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion:110 Resp: 150398

Ion	Ratio	Lower	Upper
110	100		
111	9.1	0.0	39.3
97	49.0	17.7	77.7

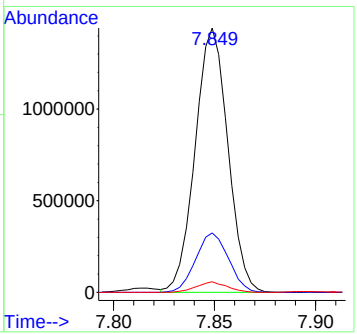


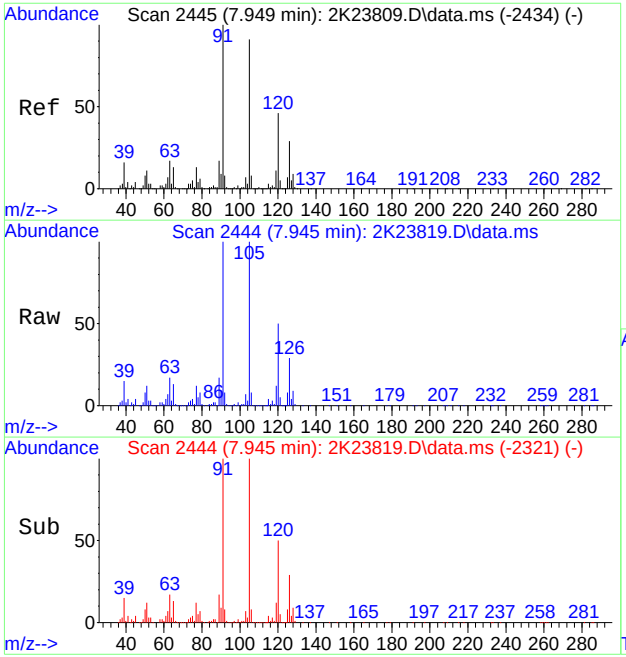


#102
n-propylbenzene
Concen: 52.57 ug/L
RT: 7.849 min Scan# 2414
Delta R.T. -0.000 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion: 91 Resp: 1622034

Ion	Ratio	Lower	Upper
91	100		
120	22.5	0.0	52.7
105	4.0	0.0	34.0

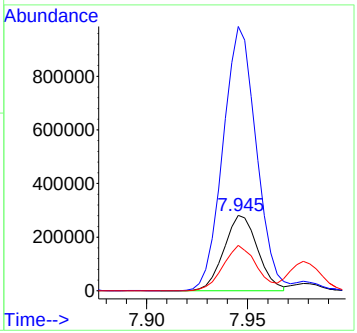


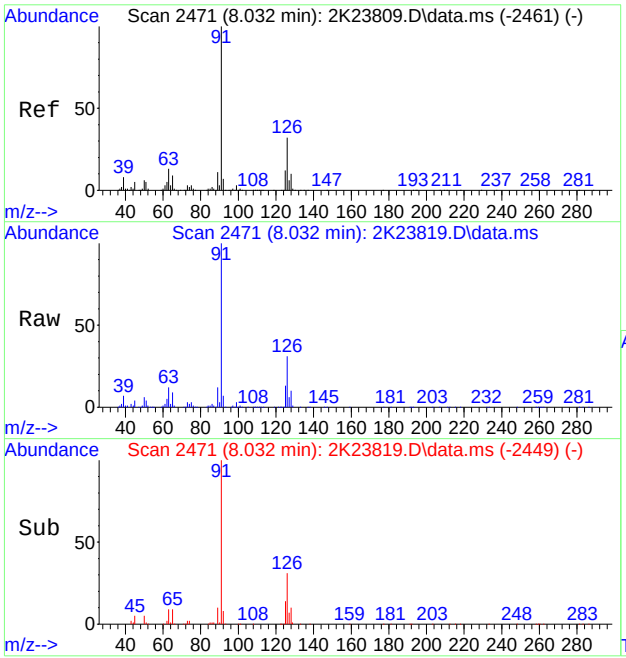


#103
2-chlorotoluene
Concen: 51.83 ug/L
RT: 7.945 min Scan# 2444
Delta R.T. -0.004 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion:126 Resp: 327065

Ion	Ratio	Lower	Upper
126	100		
91	350.3	309.9	369.9
89	60.2	27.7	87.7

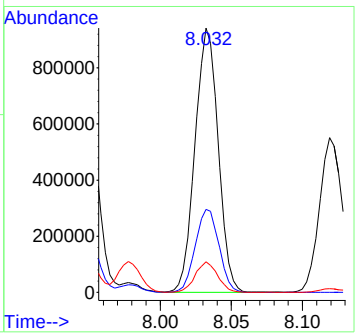


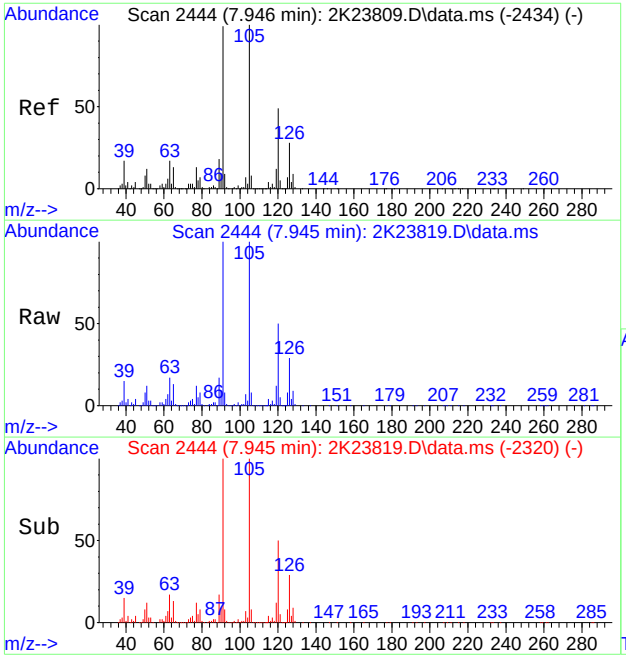


#104
4-chlorotoluene
Concen: 52.72 ug/L
RT: 8.032 min Scan# 2471
Delta R.T. 0.000 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion: 91 Resp: 1065626

Ion	Ratio	Lower	Upper
91	100		
126	31.4	1.8	61.8
89	11.5	0.0	41.0

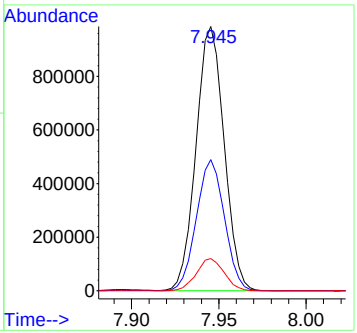


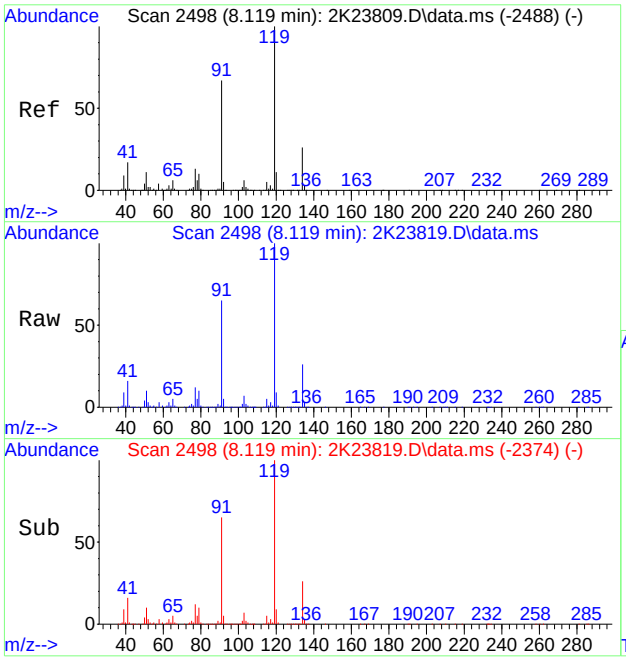


#105
1,3,5-trimethylbenzene
Concen: 52.51 ug/L
RT: 7.945 min Scan# 2444
Delta R.T. -0.001 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion:105 Resp: 1106787

Ion	Ratio	Lower	Upper
105	100		
120	49.6	19.0	79.0
119	12.2	0.0	42.0

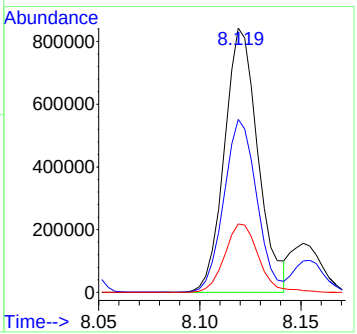


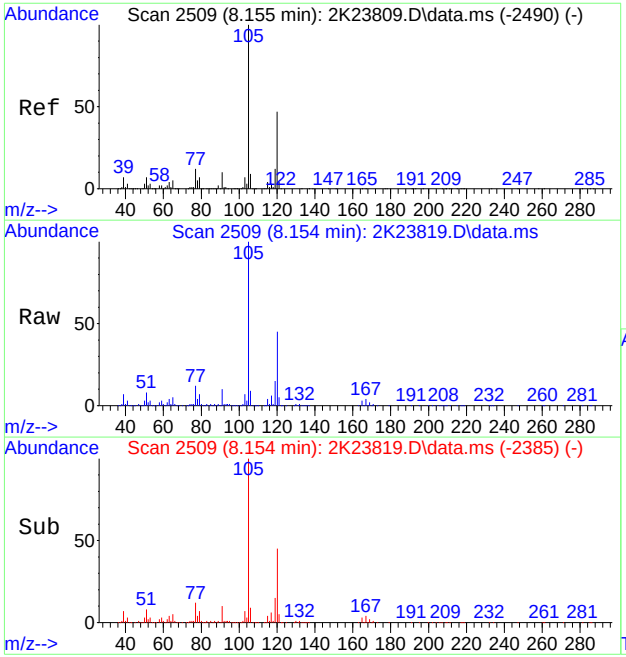


#106
tert-butylbenzene
Concen: 53.93 ug/L
RT: 8.119 min Scan# 2498
Delta R.T. 0.000 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion:119 Resp: 974984

Ion	Ratio	Lower	Upper
119	100		
91	65.3	37.4	97.4
134	25.9	0.0	55.8

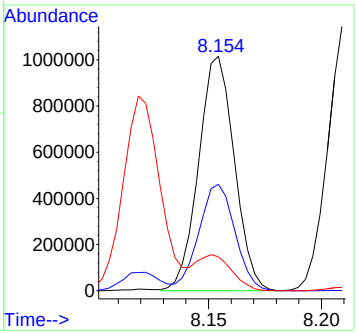


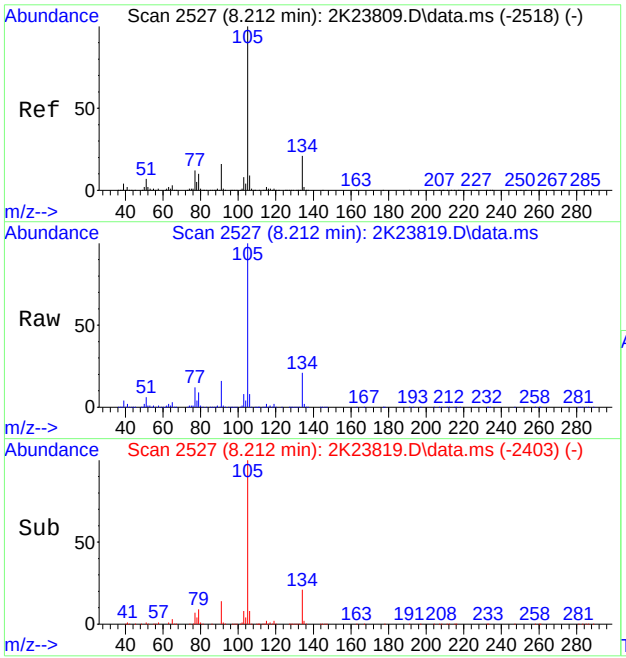


#107
1,2,4-trimethylbenzene
Concen: 53.43 ug/L
RT: 8.154 min Scan# 2509
Delta R.T. -0.001 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion:105 Resp: 1118325

Ion	Ratio	Lower	Upper
105	100		
120	45.4	16.8	76.8
119	14.5	0.0	42.0

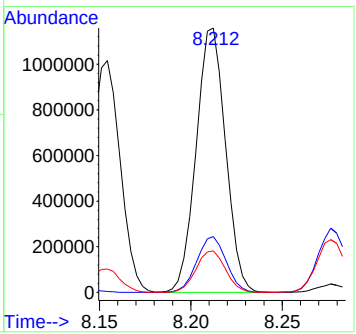


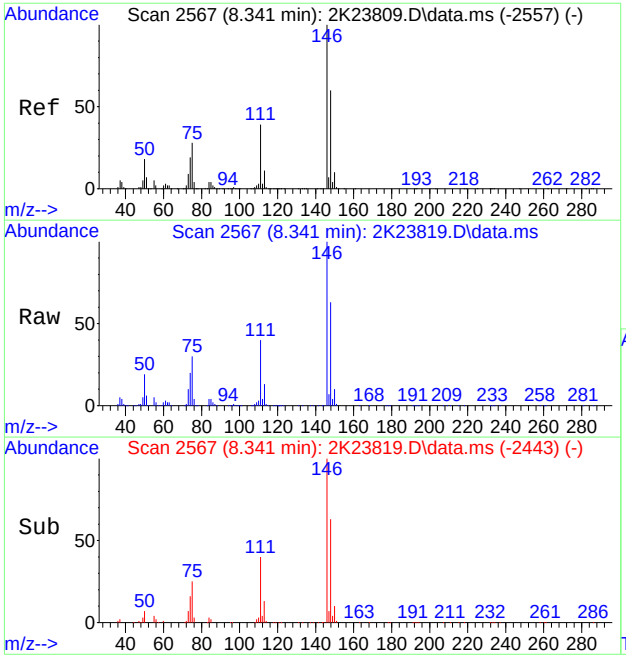


#108
sec-butylbenzene
Concen: 54.29 ug/L
RT: 8.212 min Scan# 2527
Delta R.T. 0.000 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion:105 Resp: 1296455

Ion	Ratio	Lower	Upper
105	100		
134	21.1	0.0	51.4
91	15.7	0.0	45.7

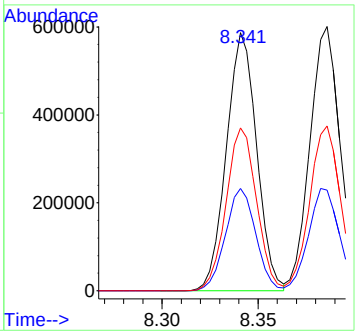


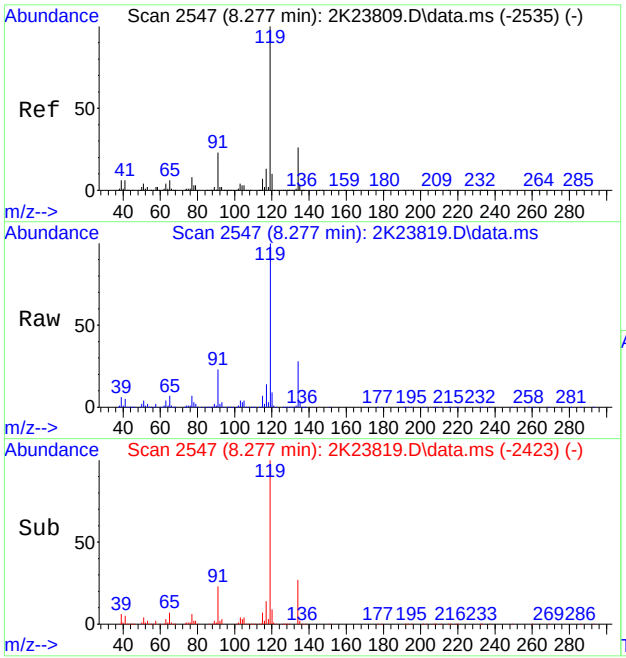


#109
1,3-dichlorobenzene
Concen: 51.76 ug/L
RT: 8.341 min Scan# 2567
Delta R.T. -0.000 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion:146 Resp: 644571

Ion	Ratio	Lower	Upper
146	100		
111	39.6	8.6	68.6
148	63.1	29.8	89.8

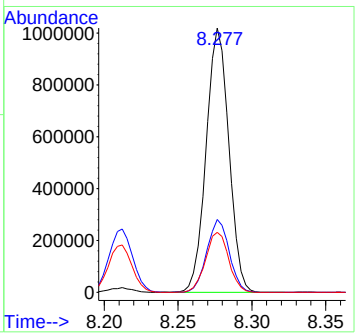


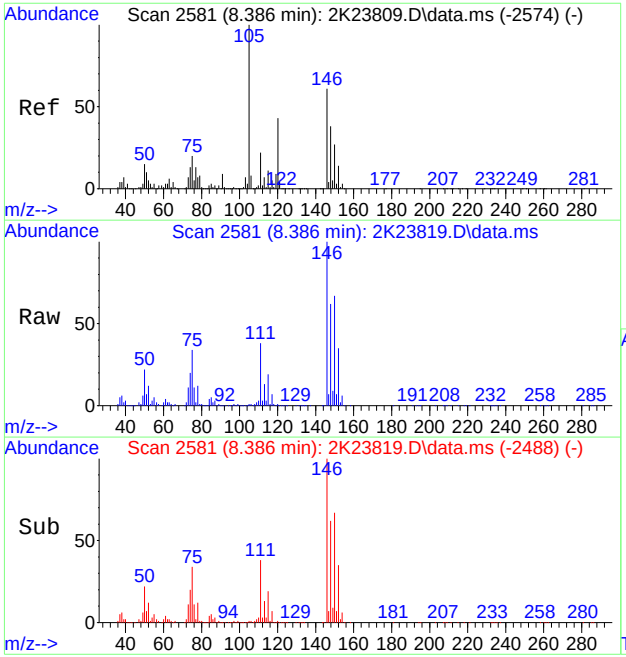


#110
p-isopropyltoluene
Concen: 52.11 ug/L
RT: 8.277 min Scan# 2547
Delta R.T. -0.000 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion:119 Resp: 1084578

Ion	Ratio	Lower	Upper
119	100		
134	27.6	0.0	56.0
91	22.7	0.0	53.4

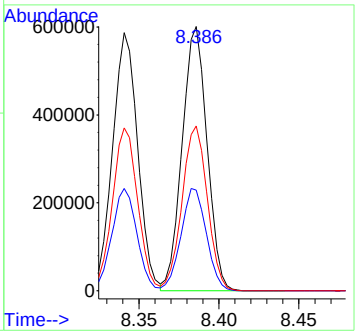


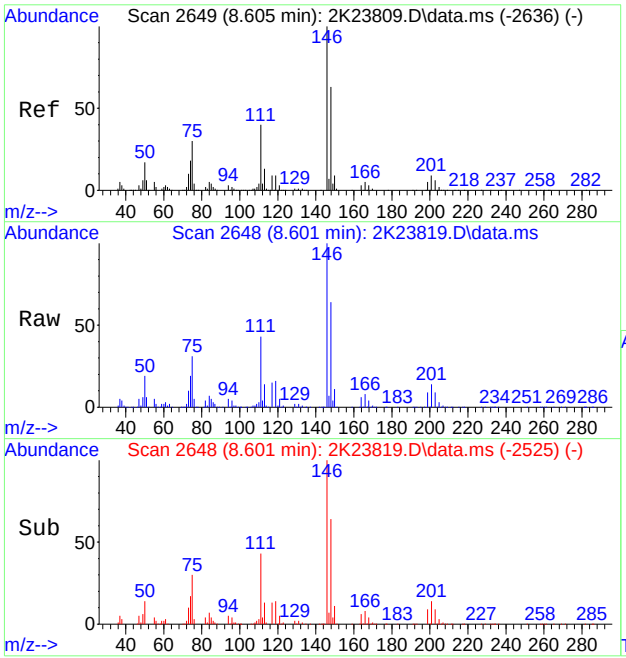


#111
1,4-dichlorobenzene
Concen: 52.49 ug/L
RT: 8.386 min Scan# 2581
Delta R.T. -0.000 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion:146 Resp: 651653

Ion	Ratio	Lower	Upper
146	100		
111	38.0	6.3	66.3
148	62.3	32.9	92.9

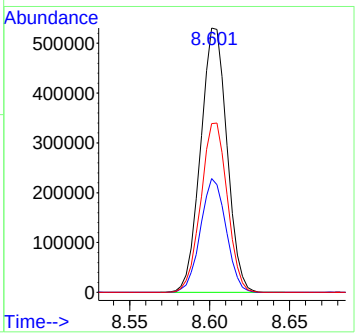


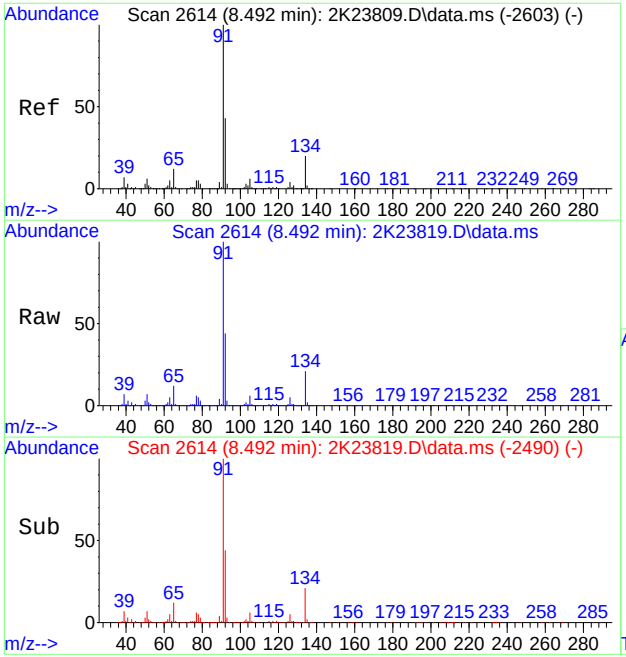


#112
1,2-dichlorobenzene
Concen: 51.31 ug/L
RT: 8.601 min Scan# 2648
Delta R.T. -0.004 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion:146 Resp: 608739

Ion	Ratio	Lower	Upper
146	100		
111	43.1	10.0	70.0
148	63.8	33.3	93.3

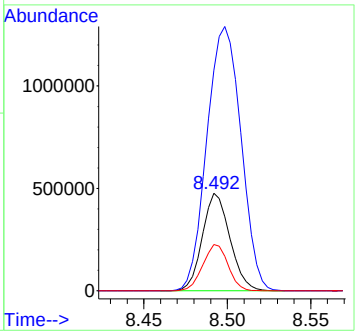


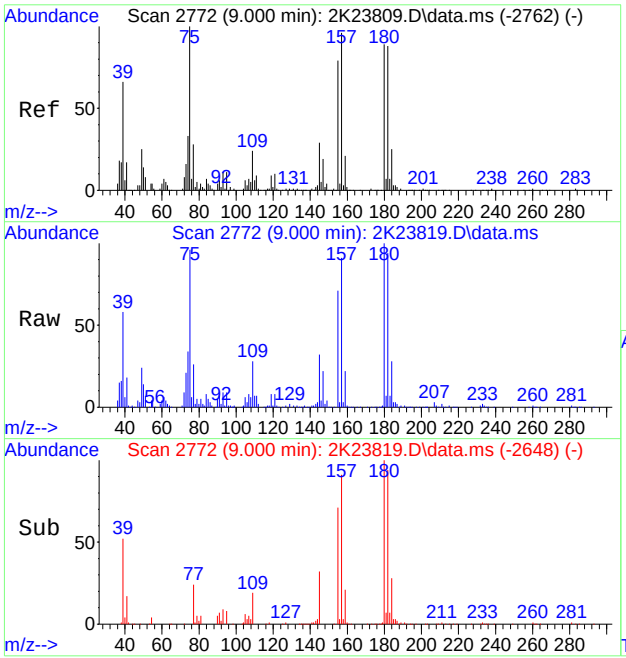


#114
n-butylbenzene
Concen: 52.74 ug/L
RT: 8.492 min Scan# 2614
Delta R.T. -0.000 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion: 92 Resp: 546505

Ion	Ratio	Lower	Upper
92	100		
91	226.1	203.0	263.0
134	47.4	17.1	77.1

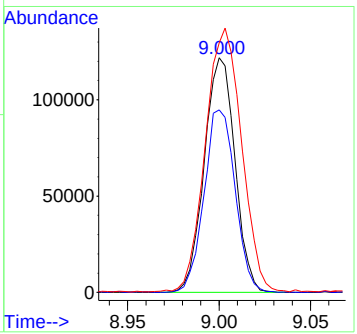


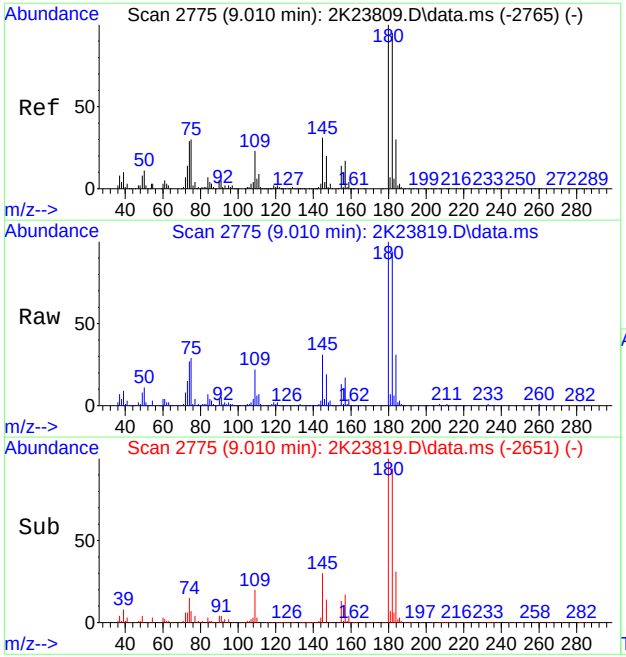


#115
1,2-dibromo-3-chloropropane
Concen: 52.61 ug/L
RT: 9.000 min Scan# 2772
Delta R.T. -0.000 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion:157 Resp: 142386

Ion	Ratio	Lower	Upper
157	100		
155	77.7	52.3	112.3
75	105.8	74.2	134.2

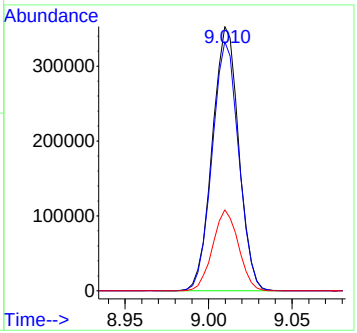


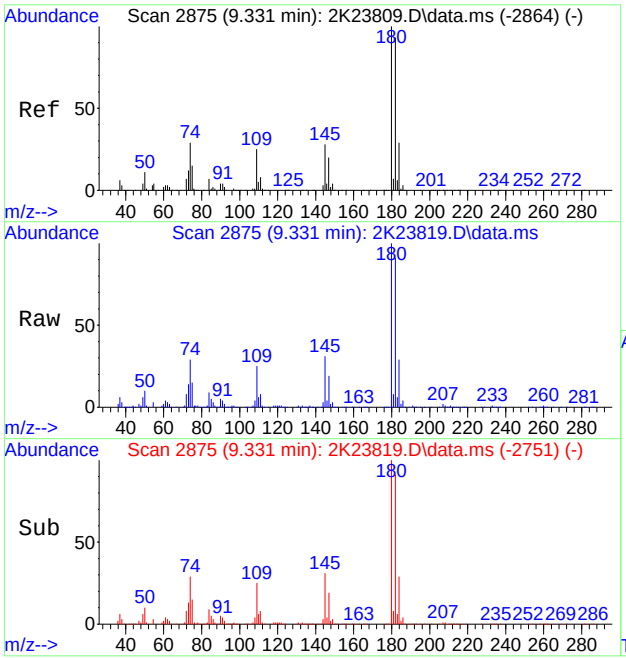


#116
1,3,5-trichlorobenzene
Concen: 56.89 ug/L
RT: 9.010 min Scan# 2775
Delta R.T. -0.000 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion:180 Resp: 388020

Ion	Ratio	Lower	Upper
180	100		
182	94.2	74.7	114.7
184	30.7	9.9	49.9

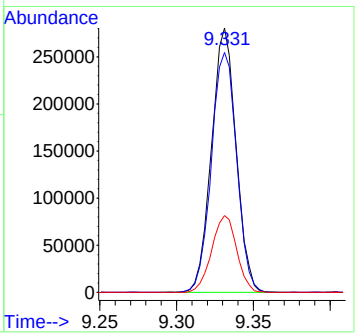


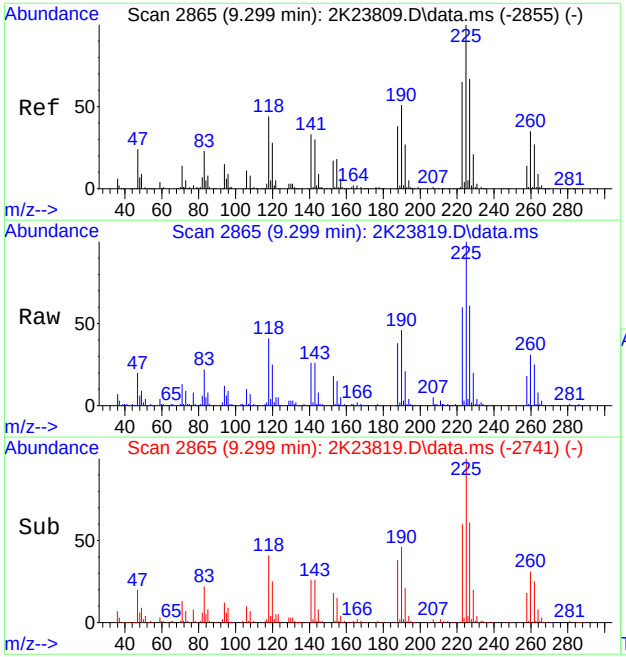


#117
1,2,4-trichlorobenzene
Concen: 52.03 ug/L
RT: 9.331 min Scan# 2875
Delta R.T. 0.000 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion:180 Resp: 311780

Ion	Ratio	Lower	Upper
180	100		
182	90.8	63.0	123.0
184	29.1	0.0	59.0

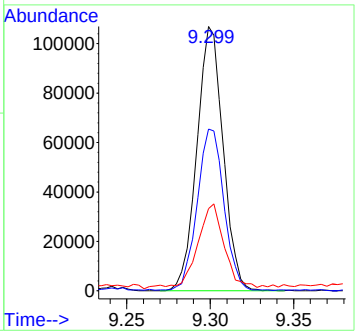


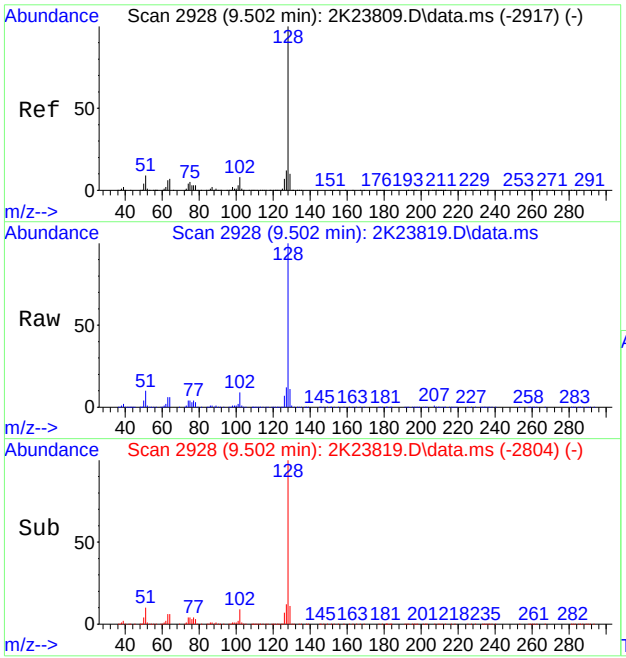


#118
hexachlorobutadiene
Concen: 52.99 ug/L
RT: 9.299 min Scan# 2865
Delta R.T. 0.000 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion:225 Resp: 117027

Ion	Ratio	Lower	Upper
225	100		
227	60.8	36.8	96.8
260	28.9	5.2	65.2

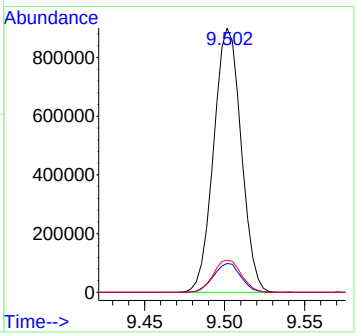


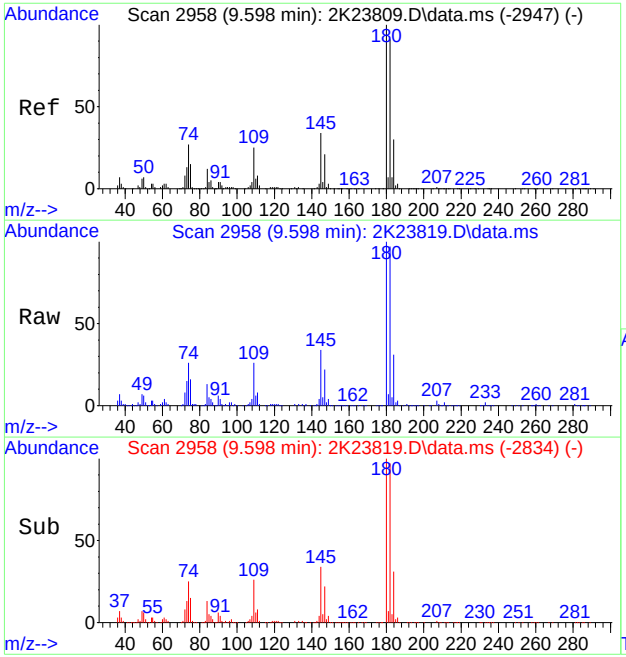


#119
naphthalene
Concen: 50.46 ug/L
RT: 9.502 min Scan# 2928
Delta R.T. -0.000 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion:128 Resp: 1075306

Ion	Ratio	Lower	Upper
128	100		
129	11.0	0.0	40.4
127	12.2	0.0	42.1

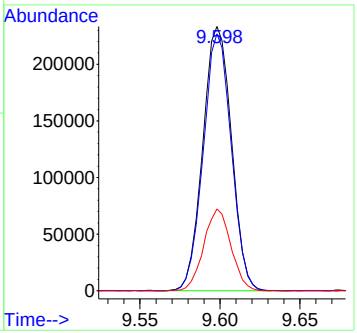


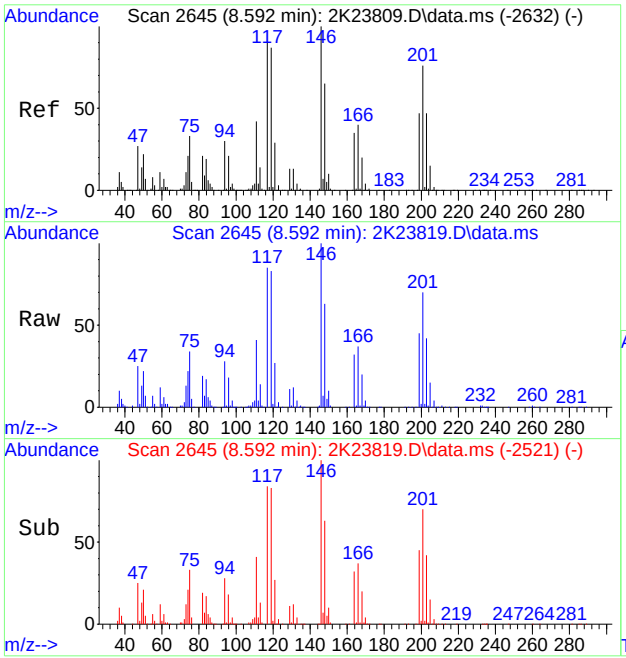


#120
1,2,3-trichlorobenzene
Concen: 51.15 ug/L
RT: 9.598 min Scan# 2958
Delta R.T. 0.000 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion:180 Resp: 290800

Ion	Ratio	Lower	Upper
180	100		
182	97.2	60.8	120.8
184	31.0	0.3	60.3

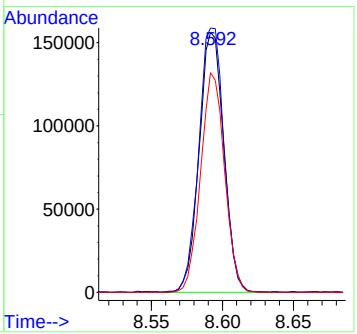


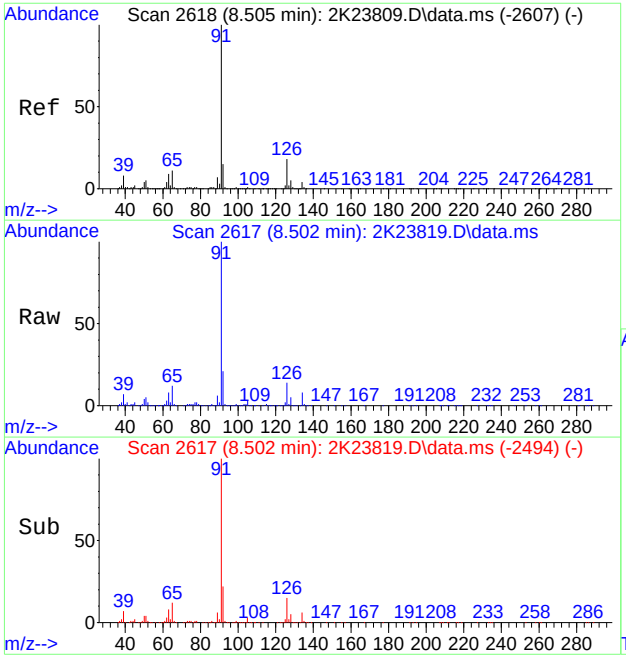


#121
hexachloroethane
Concen: 50.06 ug/L
RT: 8.592 min Scan# 2645
Delta R.T. -0.000 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion:119 Resp: 188627

Ion	Ratio	Lower	Upper
119	100		
117	101.7	72.5	132.5
201	84.5	56.6	116.6

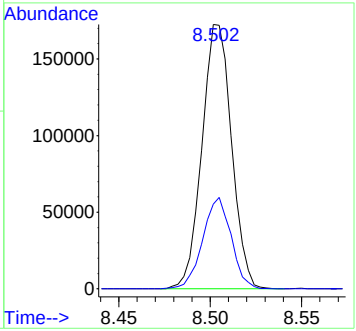


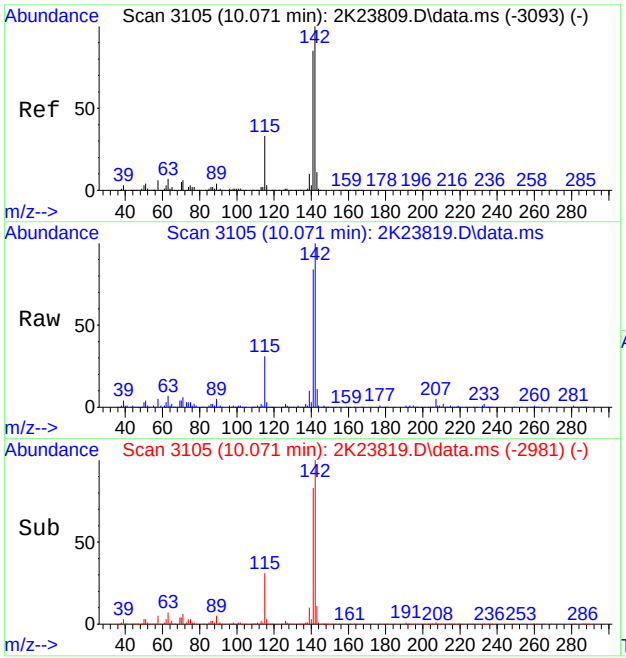


#122
benzyl chloride
Concen: 49.78 ug/L
RT: 8.502 min Scan# 2617
Delta R.T. -0.003 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion:126 Resp: 194861

Ion	Ratio	Lower	Upper
126	100		
128	32.0	1.1	61.1

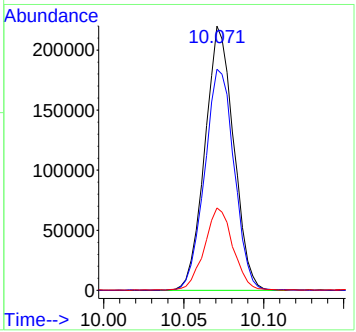




#123
2-methylnaphthalene
Concen: 26.27 ug/L
RT: 10.071 min Scan# 3105
Delta R.T. -0.000 min
Lab File: 2K23819.D
Acq: 6 Sep 2025 4:13 am

Tgt Ion:142 Resp: 275357

Ion	Ratio	Lower	Upper
142	100		
141	83.5	54.5	114.5
115	31.0	3.3	63.3



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 2K23821.D
Acq On : 6 Sep 2025 4:46 am
Operator : PrashanS
Sample : ICV658-50
Misc : MS95614,V2K658,5,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 08 13:30:46 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 13:21:53 2025
Response via : Initial Calibration

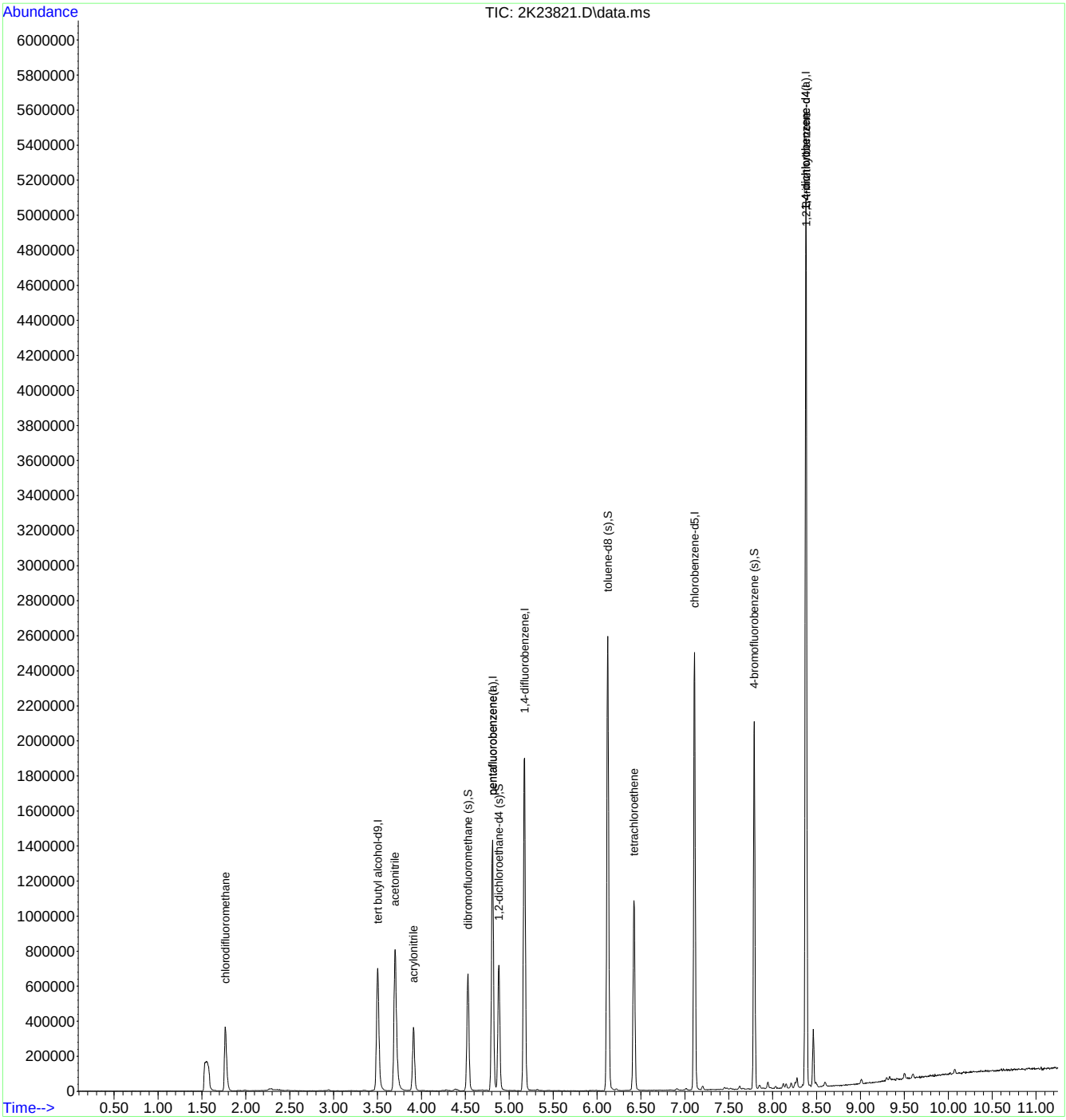
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	3.502	65	753592	500.00	ug/L	0.00
5) pentafluorobenzene	4.811	168	810405	50.00	ug/L	0.00
50) 1,4-difluorobenzene	5.174	114	1252967	50.00	ug/L	0.00
72) chlorobenzene-d5	7.109	117	1036426	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	8.376	152	502334	50.00	ug/L	0.00
124) pentafluorobenzene(a)	4.811	168	810405	50.00	ug/L	0.00
128) 1,4-dichlorobenzene-d4(a)	8.376	152	502334	50.00	ug/L	0.00
System Monitoring Compounds						
42) dibromofluoromethane (s)	4.531	113	337872	48.88	ug/L	0.00
Spiked Amount 50.000	Range 75 - 127		Recovery = 97.76%			
51) 1,2-dichloroethane-d4 (s)	4.881	65	421834	47.54	ug/L	0.00
Spiked Amount 50.000	Range 75 - 130		Recovery = 95.08%			
73) toluene-d8 (s)	6.122	98	1446151	50.63	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.26%			
97) 4-bromofluorobenzene (s)	7.788	95	532390	50.49	ug/L	0.00
Spiked Amount 50.000	Range 79 - 127		Recovery = 100.98%			
Target Compounds						Qvalue
6) chlorodifluoromethane	1.769	51	460408	42.1144	ug/L	96
19) acetonitrile	3.698	41	934179	505.4621	ug/L	98
32) acrylonitrile	3.910	52	205340	53.3342	ug/L	96
78) tetrachloroethene	6.421	166	278767	48.8228	ug/L	99
113) 1,2,3-trimethylbenzene	8.383	105	1142590	54.6483	ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

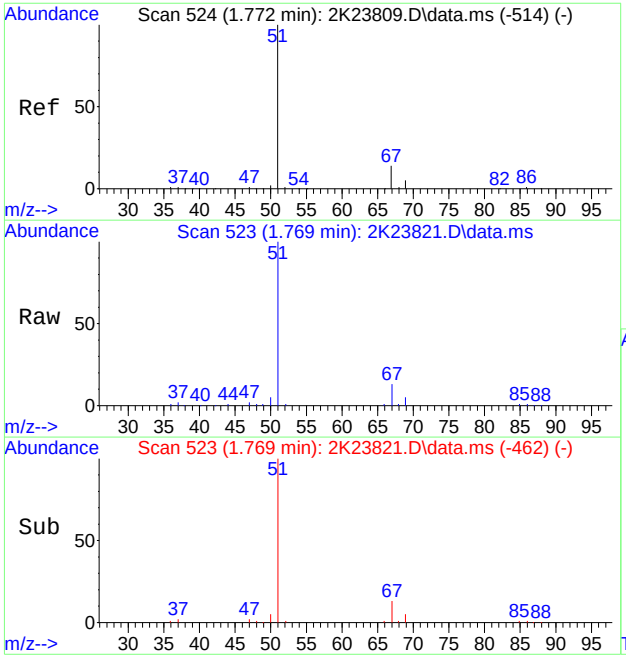
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 2K23821.D
Acq On : 6 Sep 2025 4:46 am
Operator : PrashanS
Sample : ICV658-50
Misc : MS95614,V2K658,5,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 08 13:30:46 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 13:21:53 2025
Response via : Initial Calibration



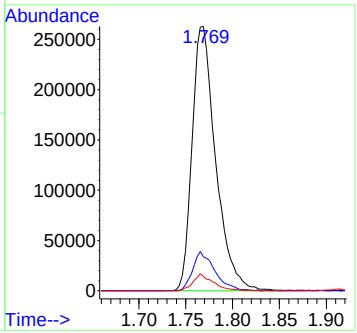
M2K658.M Mon Sep 08 13:36:03 2025 Page: 2

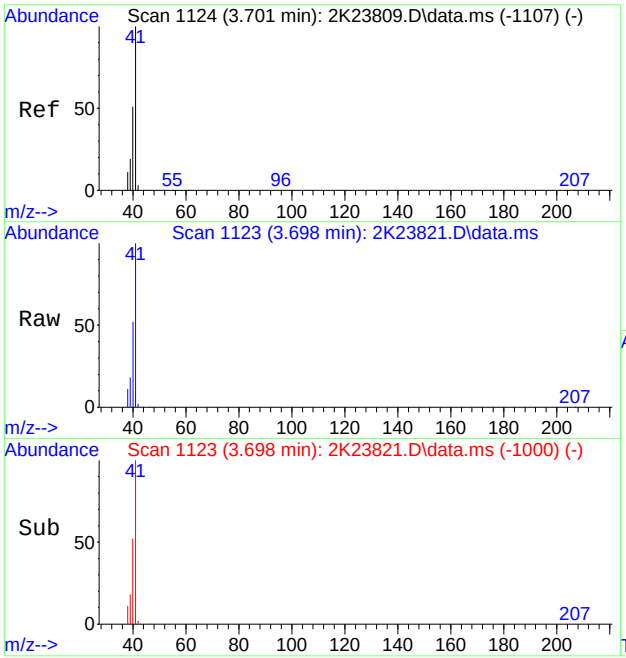


#6
chlorodifluoromethane
Concen: 42.11 ug/L
RT: 1.769 min Scan# 523
Delta R.T. -0.003 min
Lab File: 2K23821.D
Acq: 6 Sep 2025 4:46 am

Tgt Ion: 51 Resp: 460408

Ion	Ratio	Lower	Upper
51	100		
67	12.8	0.0	44.0
50	5.4	0.0	37.4

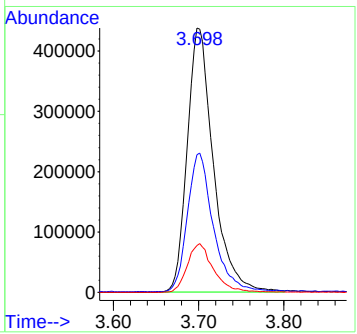


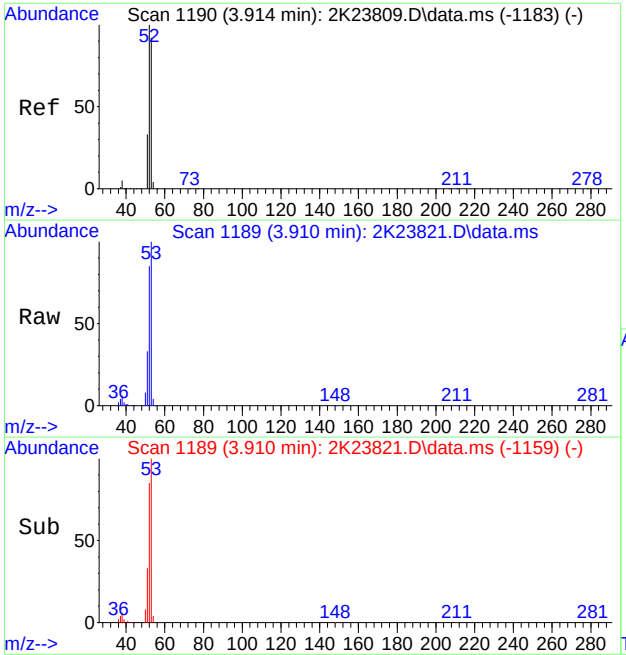


#19
acetonitrile
Concen: 505.46 ug/L
RT: 3.698 min Scan# 1123
Delta R.T. -0.003 min
Lab File: 2K23821.D
Acq: 6 Sep 2025 4:46 am

Tgt Ion: 41 Resp: 934179

Ion	Ratio	Lower	Upper
41	100		
40	51.7	20.7	80.7
39	17.7	0.0	48.9

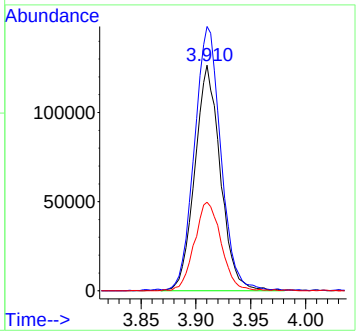


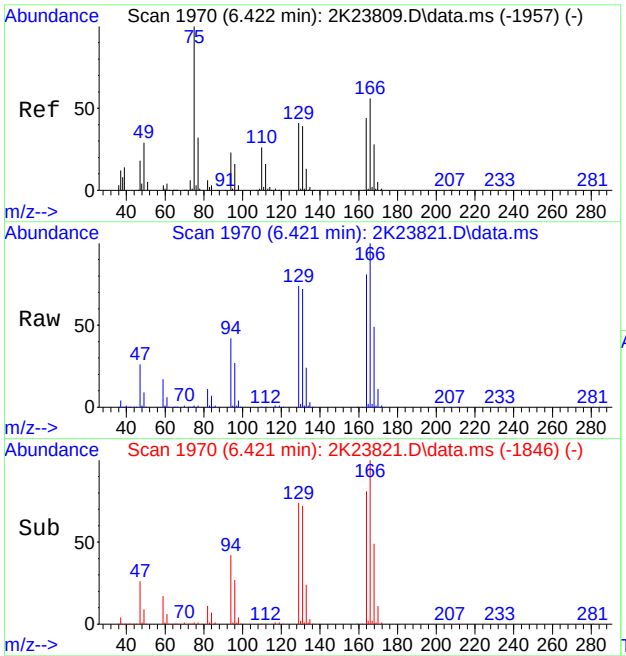


#32
acrylonitrile
Concen: 53.33 ug/L
RT: 3.910 min Scan# 1189
Delta R.T. -0.004 min
Lab File: 2K23821.D
Acq: 6 Sep 2025 4:46 am

Tgt Ion: 52 Resp: 205340

Ion	Ratio	Lower	Upper
52	100		
53	116.9	92.5	152.5
51	39.0	9.1	69.1

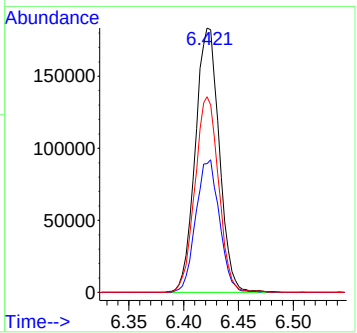


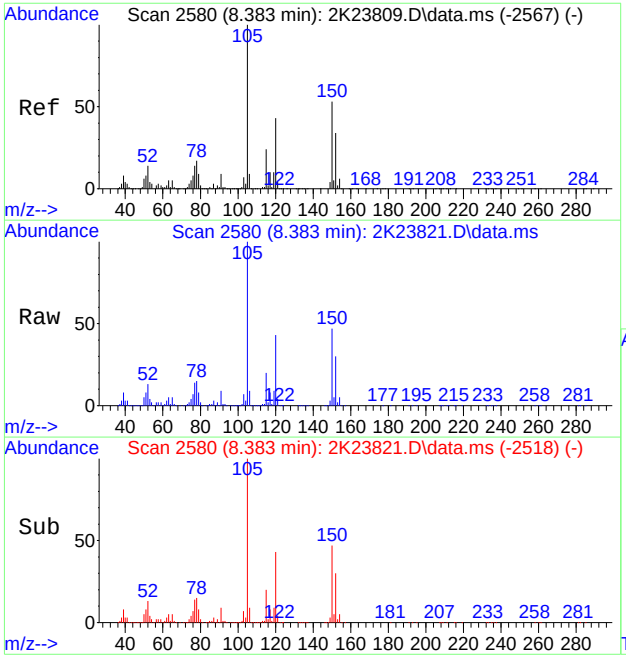


#78
tetrachloroethene
Concen: 48.82 ug/L
RT: 6.421 min Scan# 1970
Delta R.T. -0.001 min
Lab File: 2K23821.D
Acq: 6 Sep 2025 4:46 am

Tgt Ion:166 Resp: 278767

Ion	Ratio	Lower	Upper
166	100		
168	48.7	19.1	79.1
129	74.0	42.7	102.7

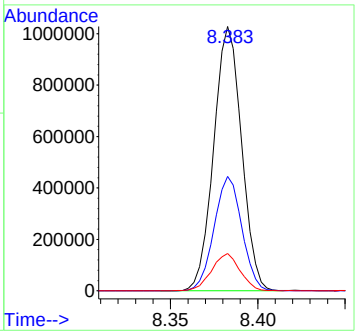




#113
1,2,3-trimethylbenzene
Concen: 54.65 ug/L
RT: 8.383 min Scan# 2580
Delta R.T. -0.000 min
Lab File: 2K23821.D
Acq: 6 Sep 2025 4:46 am

Tgt Ion:105 Resp: 1142590

Ion	Ratio	Lower	Upper
105	100		
120	43.3	13.3	73.3
77	14.1	0.0	43.9



7.6.12

7

Manual Integrations APPROVED (compounds with "m" flag)
Janelle Claus
10/22/25 05:53

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\karoln\10. October\20102025\v2k694\
Data File : 2K25208.d
Acq On : 17 Oct 2025 11:03 pm
Operator : EDWARDD
Sample : cc658-50 Inst : GCMSK
Misc : MS97898,V2K694,5,,,,1
ALS Vial : 50 Sample Multiplier: 1

Quant Time: Oct 20 13:58:08 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 13:21:53 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.499	65	823332	500.00	ug/L		0.00
5) pentafluorobenzene	4.804	168	845178	50.00	ug/L		0.00
50) 1,4-difluorobenzene	5.167	114	1328884	50.00	ug/L		0.00
72) chlorobenzene-d5	7.106	117	1084401	50.00	ug/L		0.00
96) 1,4-dichlorobenzene-d4	8.373	152	557566	50.00	ug/L		0.00
124) pentafluorobenzene(a)	4.804	168	845178	50.00	ug/L		0.00
128) 1,4-dichlorobenzene-d4(a)	8.373	152	557566	50.00	ug/L		0.00
System Monitoring Compounds							
42) dibromofluoromethane (s)	4.524	113	332442	46.12	ug/L		0.00
Spiked Amount 50.000	Range 75 - 127		Recovery = 92.24%				
51) 1,2-dichloroethane-d4 (s)	4.875	65	409824	43.54	ug/L		-0.01
Spiked Amount 50.000	Range 75 - 130		Recovery = 87.08%				
73) toluene-d8 (s)	6.116	98	1457956	48.78	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.56%				
97) 4-bromofluorobenzene (s)	7.785	95	510089	43.59	ug/L		0.00
Spiked Amount 50.000	Range 79 - 127		Recovery = 87.18%				
Target Compounds							Qvalue
2) ethanol	2.833	45	1043268	4998.9345	ug/L		100
3) tertiary butyl alcohol	3.550	59	446639	238.8641	ug/L		100
4) 1,4-dioxane	5.672	88	164029	1217.7954	ug/L		92
6) chlorodifluoromethane	1.769	51	401557	35.2200	ug/L		98
7) dichlorodifluoromethane	1.727	85	351277	42.1129	ug/L		98
8) chloromethane	1.914	50	459901	47.3509	ug/L		97
9) vinyl chloride	1.978	62	397547	49.1209	ug/L		96
10) 1,3-butadiene	1.991	39	453912	56.3726	ug/L		96
11) bromomethane	2.254	96	84834	32.8895	ug/L	#	95
12) chloroethane	2.357	64	166038	40.9816	ug/L		98
13) trichlorofluoromethane	2.479	101	439071	39.7405	ug/L		99
14) ethyl ether	2.727	74	170821	42.8626	ug/L		95
16) freon 113	2.923	151	209264	42.4692	ug/L		95
17) 1,1-dichloroethene	2.904	61	438689	42.3085	ug/L		97
18) acetone	3.357	58	219920	172.6011	ug/L		92
19) acetonitrile	3.695	41	911439	472.8681	ug/L		97
20) iodomethane	3.026	142	168443	26.6731	ug/L		97
21) carbon disulfide	2.942	76	709683	40.2482	ug/L		99
22) methylene chloride	3.335	84	265272	43.5777	ug/L		95
23) methyl acetate	3.438	74	77797	44.4681	ug/L		95
24) methyl tert butyl ether	3.508	73	878157	41.6164	ug/L		87
25) trans-1,2-dichloroethene	3.450	96	269707	43.7896	ug/L		98
26) hexane	3.502	57	709587	43.2384	ug/L		96
27) di-isopropyl ether	3.762	45	1177298	43.4244	ug/L		100
28) ethyl tert-butyl ether	4.007	59	1053315	43.3946	ug/L		97
29) 2-butanone	4.592	72	265500	192.0045	ug/L		96
30) 1,1-dichloroethane	3.878	63	546534	43.4160	ug/L		99
31) chloroprene	3.859	53	577583	42.4062	ug/L		97
33) vinyl acetate	4.020	86	81397	48.0381	ug/L	#	89
34) ethyl acetate	4.454	70	45673	39.7182	ug/L		97
35) 2,2-dichloropropane	4.309	77	433105	43.1234	ug/L		98
36) cis-1,2-dichloroethene	4.235	96	278298	42.8097	ug/L		96
37) propionitrile	4.795	54	997977	465.8565	ug/L		98
38) methyl acrylate	4.470	85	68696	45.2538	ug/L		96
39) bromochloromethane	4.370	128	137515	48.3714	ug/L	#	84
40) tetrahydrofuran	4.512	71	64567	45.2025	ug/L		93
41) chloroform	4.402	83	493074	41.5813	ug/L		97
43) methacrylonitrile	4.807	67	183801	43.0144	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\karoln\10. October\20102025\v2k694\
Data File : 2K25208.d
Acq On : 17 Oct 2025 11:03 pm
Operator : EDWARDD
Sample : cc658-50 Inst : GCMSK
Misc : MS97898,V2K694,5,,,,1
ALS Vial : 50 Sample Multiplier: 1

Quant Time: Oct 20 13:58:08 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 13:21:53 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	1,1,1-trichloroethane	4.557	97	423329	41.7456	ug/L		99
45)	cyclohexane	4.383	84	453422	49.7935	ug/L		97
46)	1,1-dichloropropene	4.631	75	394884	44.5731	ug/L		97
47)	carbon tetrachloride	4.515	117	382697m	41.4266	ug/L		
49)	tert-amyl alcohol	4.939	55	153420	221.5444	ug/L		95
52)	iso-octane	4.688	57	1020292	40.6422	ug/L		97
53)	benzene	4.795	78	1102822	43.9703	ug/L		98
54)	tert-amyl methyl ether	4.840	73	920847	43.2257	ug/L		99
55)	heptane	4.740	57	174274	47.6486	ug/L		97
56)	isopropyl acetate	5.029	87	92786	45.2018	ug/L	#	88
57)	1,2-dichloroethane	4.920	62	418471	41.4942	ug/L		97
58)	n-butyl alcohol	5.312	56	1332508	2387.7332	ug/L		99
59)	ethyl acrylate	5.470	55	630152	45.9052	ug/L		99
60)	trichloroethene	5.161	130	309315	50.5929	ug/L		96
61)	2-nitropropane	6.302	41	159030	44.2428	ug/L	#	82
62)	2-chloroethyl vinyl ether	5.920	63	1059122	225.4921	ug/L		98
63)	methyl methacrylate	5.614	100	115391	48.4123	ug/L	#	81
64)	1,2-dichloropropane	5.508	63	310740	44.4269	ug/L		98
65)	methylcyclohexane	5.164	98	208275	46.6759	ug/L		88
66)	dibromomethane	5.441	93	168019	43.2790	ug/L		96
67)	bromodichloromethane	5.537	83	366872	43.8123	ug/L		95
68)	epichlorohydrin	6.151	57	351811	226.6558	ug/L		98
69)	cis-1,3-dichloropropene	5.984	75	467271	43.7416	ug/L		99
70)	4-methyl-2-pentanone	6.380	58	838210	183.8267	ug/L		99
71)	3-methyl-1-butanol	6.212	70	402208	926.6198	ug/L		97
74)	toluene	6.155	92	710551	45.5565	ug/L		99
75)	ethyl methacrylate	6.489	69	452038	46.2828	ug/L		97
76)	trans-1,3-dichloropropene	6.415	75	454348	44.2420	ug/L		99
77)	1,1,2-trichloroethane	6.528	83	210725	44.5030	ug/L		96
78)	tetrachloroethene	6.418	166	297772	49.8441	ug/L		97
79)	2-hexanone	6.901	58	915508	187.4263	ug/L		96
80)	1,3-dichloropropane	6.704	76	464277	45.0621	ug/L		97
81)	butyl acetate	6.830	56	334447	46.8682	ug/L		97
82)	dibromochloromethane	6.647	129	298793	48.7053	ug/L		96
83)	1,2-dibromoethane	6.810	107	272023	47.1906	ug/L		100
84)	n-butyl ether	7.010	57	1526342	46.7237	ug/L		99
85)	chlorobenzene	7.116	112	796914	49.1212	ug/L		91
86)	1,1,1,2-tetrachloroethane	7.145	131	281265	48.7539	ug/L		97
87)	ethylbenzene	7.116	91	1363973	45.7212	ug/L		98
88)	m,p-xylene	7.200	106	1081865	98.8965	ug/L		93
89)	o-xylene	7.450	106	519019	48.7791	ug/L		94
90)	styrene	7.476	104	864208	47.8193	ug/L		96
91)	bromoform	7.508	173	221500	45.3525	ug/L		98
92)	butyl acrylate	7.518	55	857403	46.9172	ug/L		99
93)	isopropylbenzene	7.618	105	1295272	48.9695	ug/L		99
94)	n-amyl acetate	7.656	70	279125	47.4372	ug/L		92
95)	cis-1,4-dichloro-2-butene	7.810	88	89866	21.2701	ug/L		100
98)	bromobenzene	7.855	156	323524	45.2836	ug/L		87
99)	1,1,2,2-tetrachloroethane	7.878	83	403787	43.7002	ug/L		99
100)	trans-1,4-dichloro-2-b...	7.974	53	77317	18.2630	ug/L	#	52
101)	1,2,3-trichloropropane	7.965	110	134926	43.1238	ug/L		95
102)	n-propylbenzene	7.843	91	1494556	45.5933	ug/L		99
103)	2-chlorotoluene	7.942	126	318513	47.5122	ug/L		93
104)	4-chlorotoluene	8.029	91	921953	42.9312	ug/L		96
105)	1,3,5-trimethylbenzene	7.939	105	1006189	44.9309	ug/L		97
106)	tert-butylbenzene	8.116	119	881633	45.9019	ug/L		95
107)	1,2,4-trimethylbenzene	8.148	105	1004772	45.1874	ug/L		99
108)	sec-butylbenzene	8.206	105	1197395	47.1962	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\karoln\10. October\20102025\v2k694\
Data File : 2K25208.d
Acq On : 17 Oct 2025 11:03 pm
Operator : EDWARDD
Sample : cc658-50 Inst : GCMSK
Misc : MS97898,V2K694,5,,,,1
ALS Vial : 50 Sample Multiplier: 1

Quant Time: Oct 20 13:58:08 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 13:21:53 2025
Response via : Initial Calibration

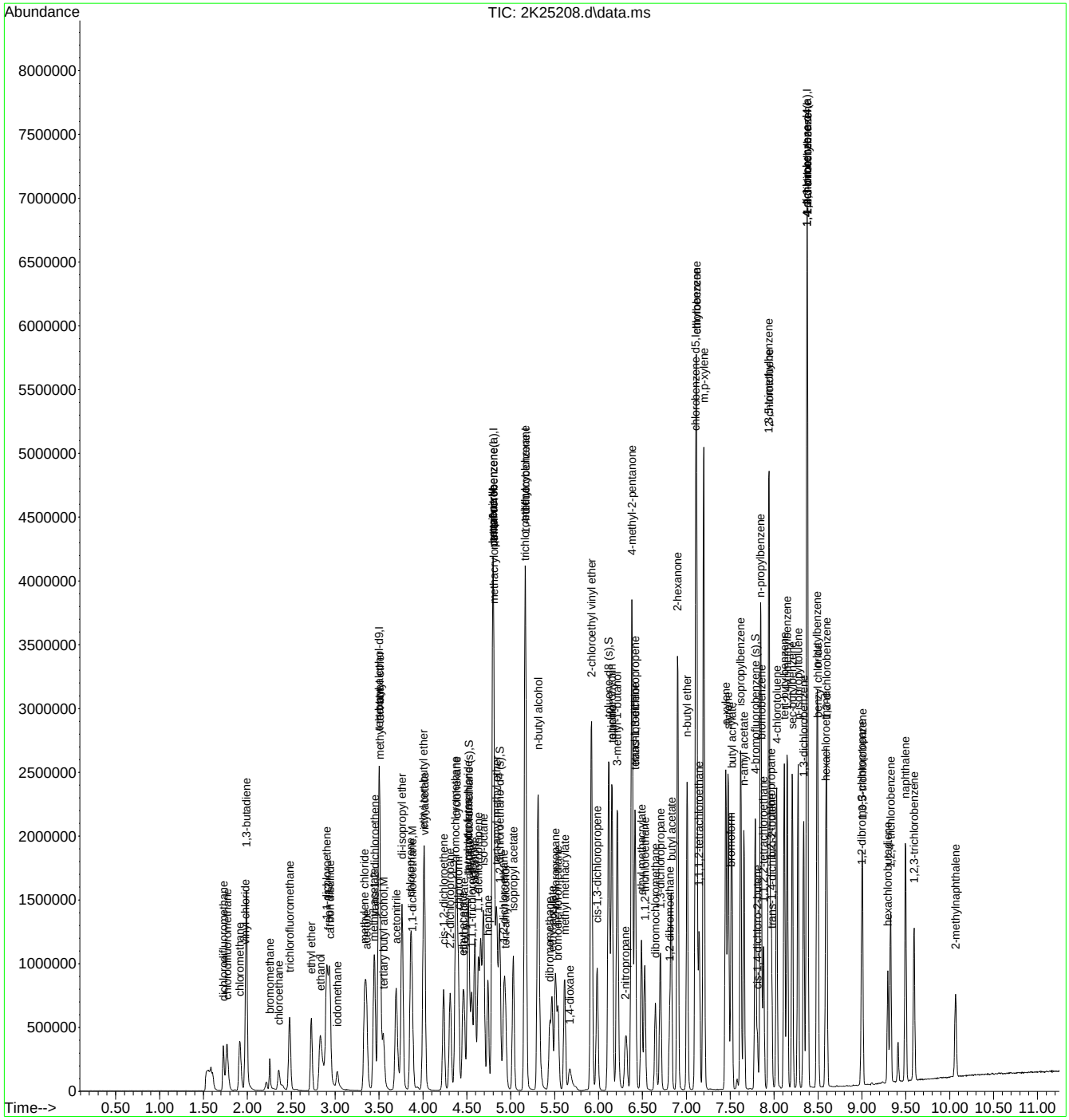
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
109) 1,3-dichlorobenzene	8.338	146	614520	46.4527	ug/L	96
110) p-isopropyltoluene	8.273	119	1025210	46.3623	ug/L	96
111) 1,4-dichlorobenzene	8.380	146	625892	47.4569	ug/L	98
112) 1,2-dichlorobenzene	8.598	146	586492	46.5316	ug/L	98
113) 1,2,3-trimethylbenzene	8.380	105	1028601	44.3230	ug/L	99
114) n-butylbenzene	8.489	92	511361	46.4491	ug/L	94
115) 1,2-dibromo-3-chloropr...	8.997	157	127570	44.3715	ug/L	94
116) 1,3,5-trichlorobenzene	9.007	180	335378	46.2834	ug/L	97
117) 1,2,4-trichlorobenzene	9.328	180	300012	47.1243	ug/L	99
118) hexachlorobutadiene	9.296	225	117359	50.0207	ug/L	93
119) naphthalene	9.495	128	1062917	46.9459	ug/L	99
120) 1,2,3-trichlorobenzene	9.595	180	282917	46.8423	ug/L	97
121) hexachloroethane	8.589	119	167431	41.8222	ug/L	98
122) benzyl chloride	8.499	126	201944	48.5630	ug/L	97
123) 2-methylnaphthalene	10.068	142	259154	23.2749	ug/L	93

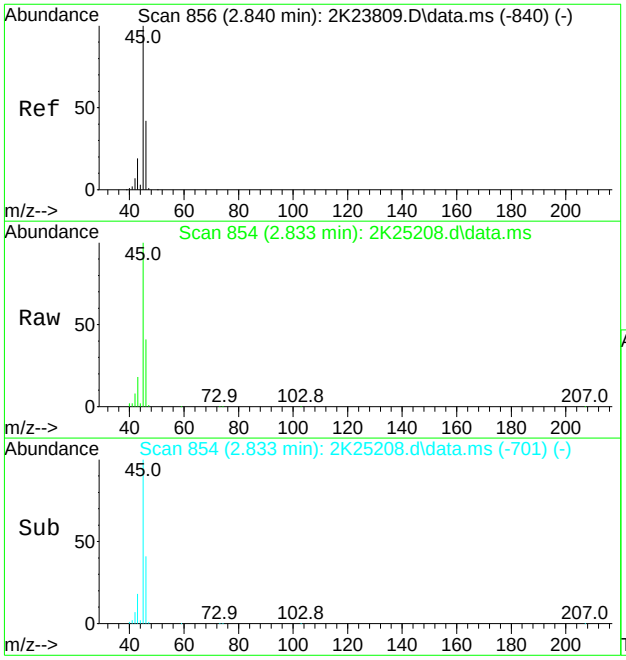
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\karoln\10. October\20102025\v2k694\
Data File : 2K25208.d
Acq On : 17 Oct 2025 11:03 pm
Operator : EDWARDD
Sample : cc658-50 Inst : GCMSK
Misc : MS97898,V2K694,5,,,,1
ALS Vial : 50 Sample Multiplier: 1

Quant Time: Oct 20 13:58:08 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 13:21:53 2025
Response via : Initial Calibration

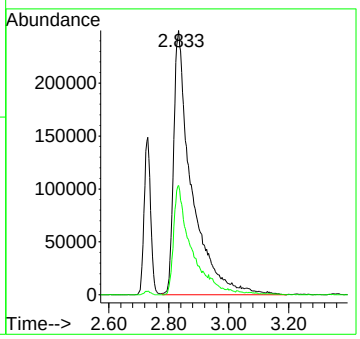


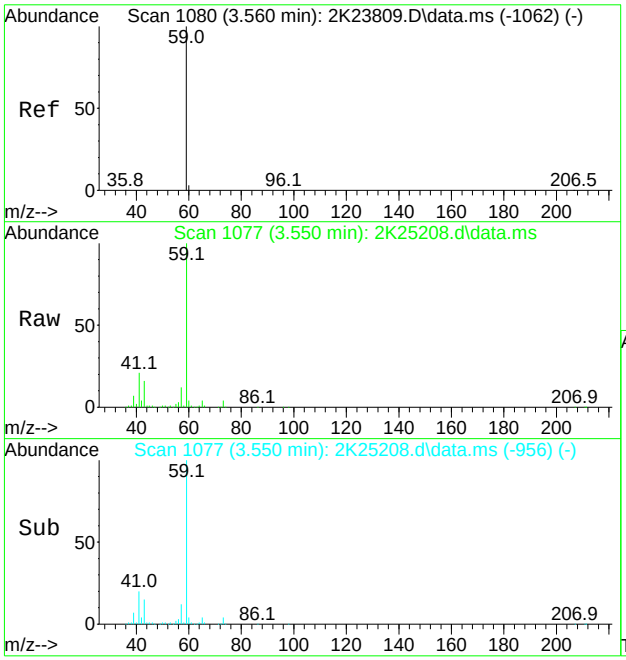


#2
ethanol
Concen: 4998.9345 ug/L
RT: 2.833 min Scan# 854
Delta R.T. -0.007 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion: 45 Resp: 1043268

Ion	Ratio	Lower	Upper
45	100		
46	41.4	21.3	61.3

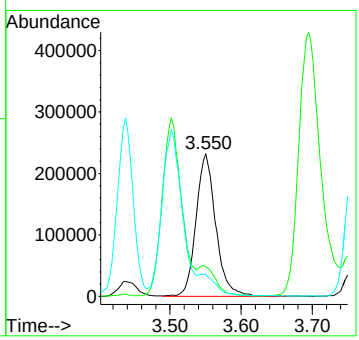


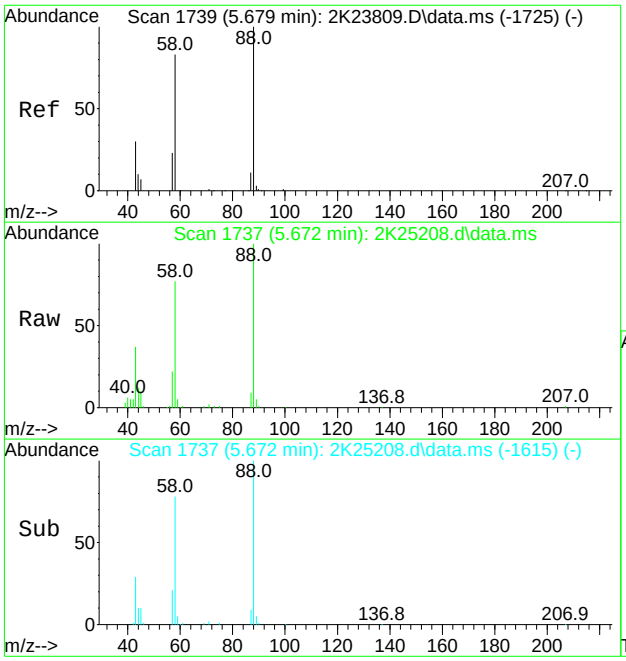


#3
tertiary butyl alcohol
Concen: 238.8641 ug/L
RT: 3.550 min Scan# 1077
Delta R.T. -0.010 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion: 59 Resp: 446639

Ion	Ratio	Lower	Upper
59	100		
41	14.9	0.0	30.0
43	15.5	0.0	45.5

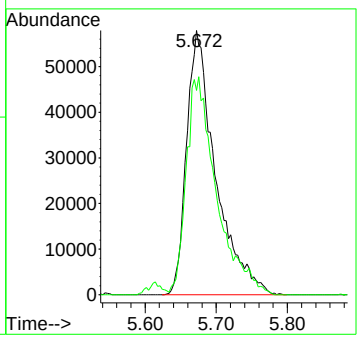


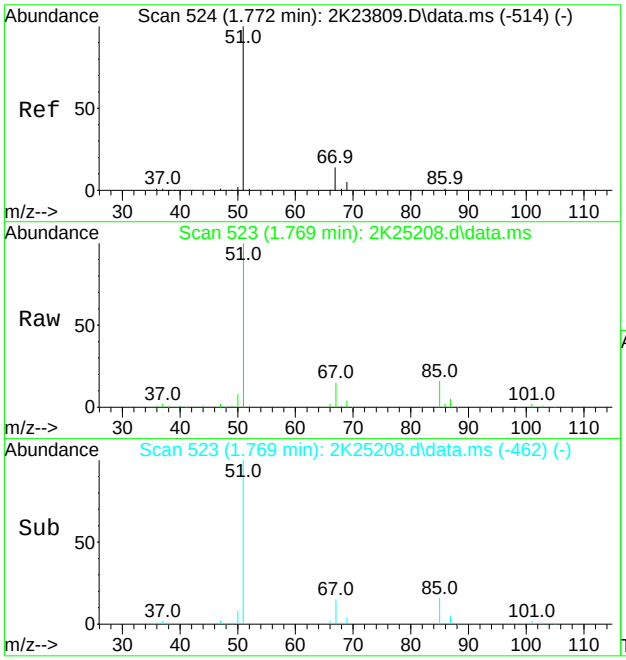


#4
1,4-dioxane
Concen: 1217.7954 ug/L
RT: 5.672 min Scan# 1737
Delta R.T. -0.007 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion: 88 Resp: 164029

Ion	Ratio	Lower	Upper
88	100		
58	77.3	64.5	104.5

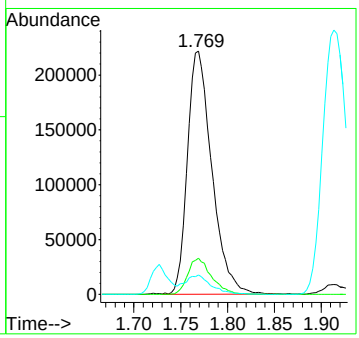


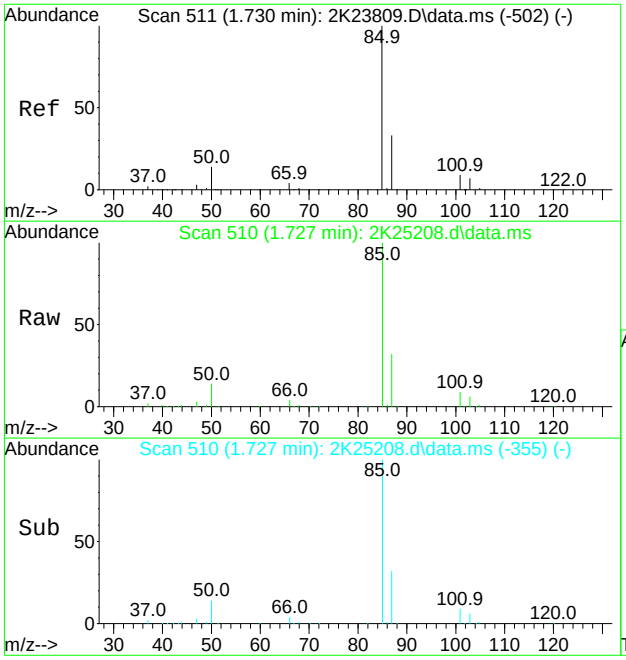


#6
chlorodifluoromethane
Concen: 35.2200 ug/L
RT: 1.769 min Scan# 523
Delta R.T. -0.003 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion: 51 Resp: 401557

Ion	Ratio	Lower	Upper
51	100		
67	14.9	0.0	44.0
50	8.0	0.0	37.4

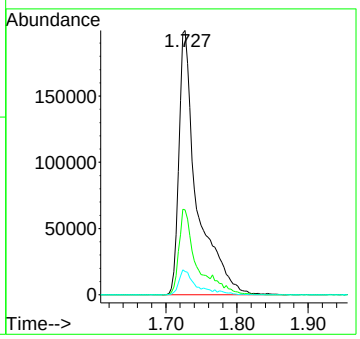


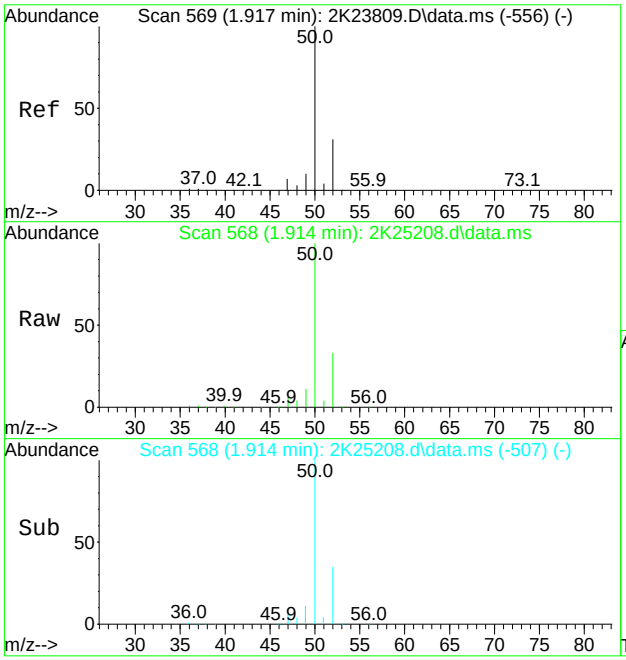


#7
dichlorodifluoromethane
Concen: 42.1129 ug/L
RT: 1.727 min Scan# 510
Delta R.T. -0.003 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion: 85 Resp: 351277

Ion	Ratio	Lower	Upper
85	100		
87	32.1	3.4	63.4
101	8.8	0.0	39.0

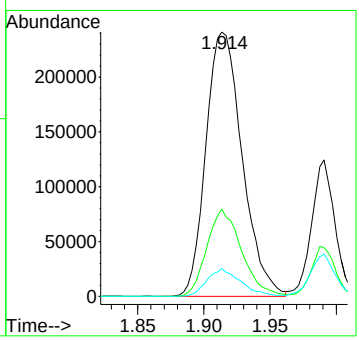


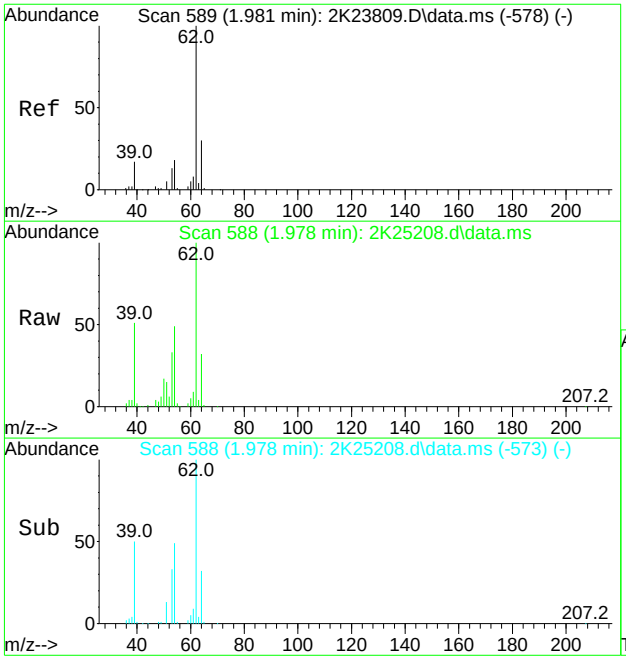


#8
chloromethane
Concen: 47.3509 ug/L
RT: 1.914 min Scan# 568
Delta R.T. -0.003 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion: 50 Resp: 459901

Ion	Ratio	Lower	Upper
50	100		
52	33.1	0.8	60.8
49	10.5	0.0	40.1

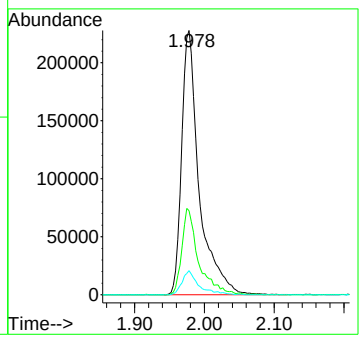


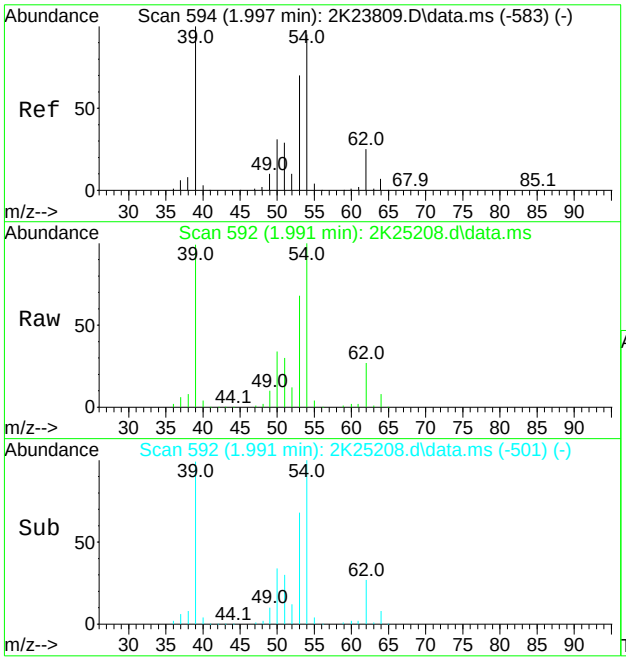


#9
vinyl chloride
Concen: 49.1209 ug/L
RT: 1.978 min Scan# 588
Delta R.T. -0.003 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion: 62 Resp: 397547

Ion	Ratio	Lower	Upper
62	100		
64	31.8	0.0	60.0
61	9.2	0.0	37.6

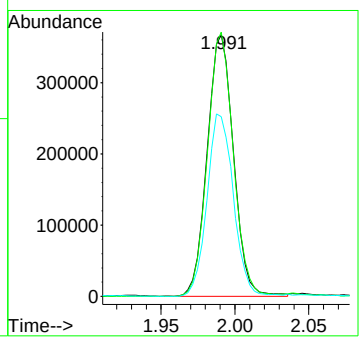


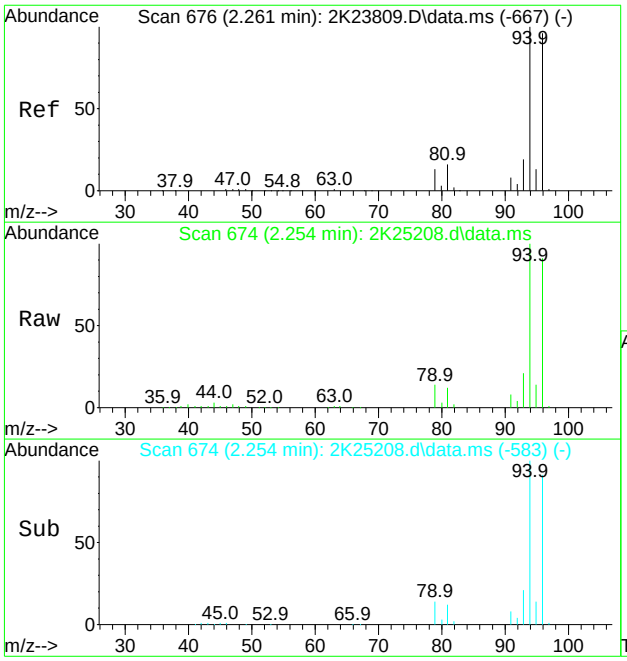


#10
1,3-butadiene
Concen: 56.3726 ug/L
RT: 1.991 min Scan# 592
Delta R.T. -0.006 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion: 39 Resp: 453912

Ion	Ratio	Lower	Upper
39	100		
54	101.2	65.4	125.4
53	68.8	40.3	100.3

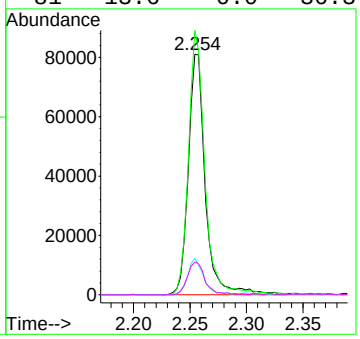


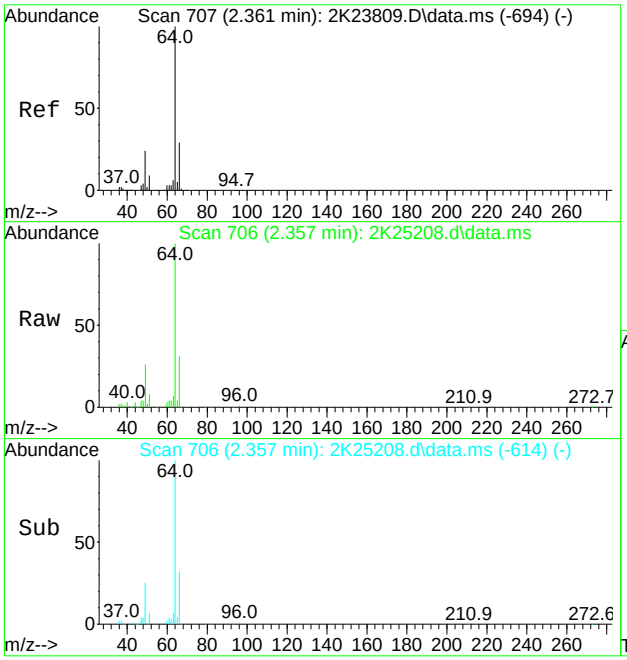


#11
bromomethane
Concen: 32.8895 ug/L
RT: 2.254 min Scan# 674
Delta R.T. -0.007 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion: 96 Resp: 84834

Ion	Ratio	Lower	Upper
96	100		
94	110.0	74.5	134.5
79	15.2	13.7	13.7#
81	13.6	0.0	36.3

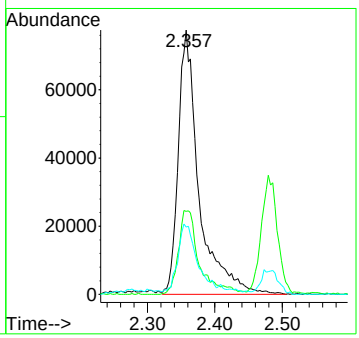


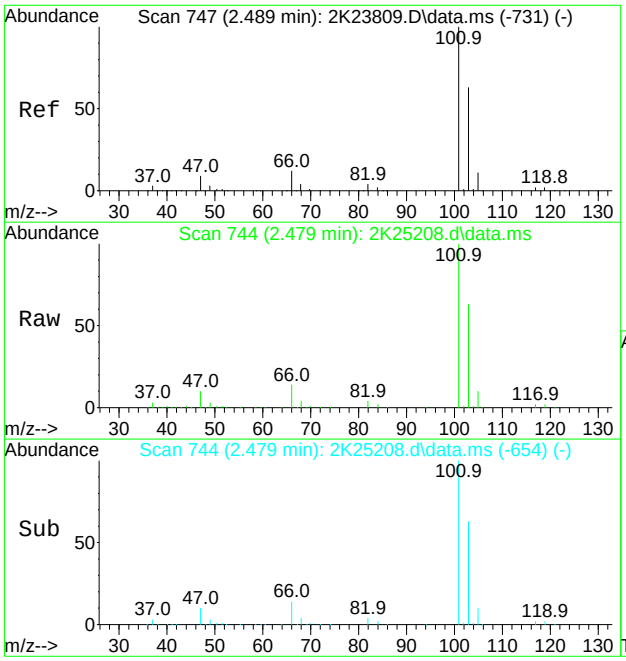


#12
chloroethane
Concen: 40.9816 ug/L
RT: 2.357 min Scan# 706
Delta R.T. -0.004 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion: 64 Resp: 166038

Ion	Ratio	Lower	Upper
64	100		
66	31.1	0.0	59.3
49	24.6	0.0	54.3

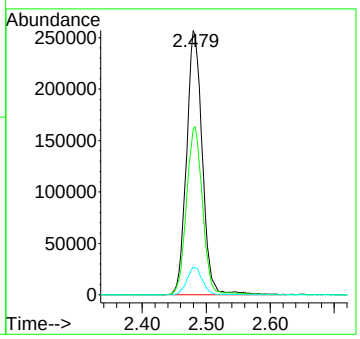


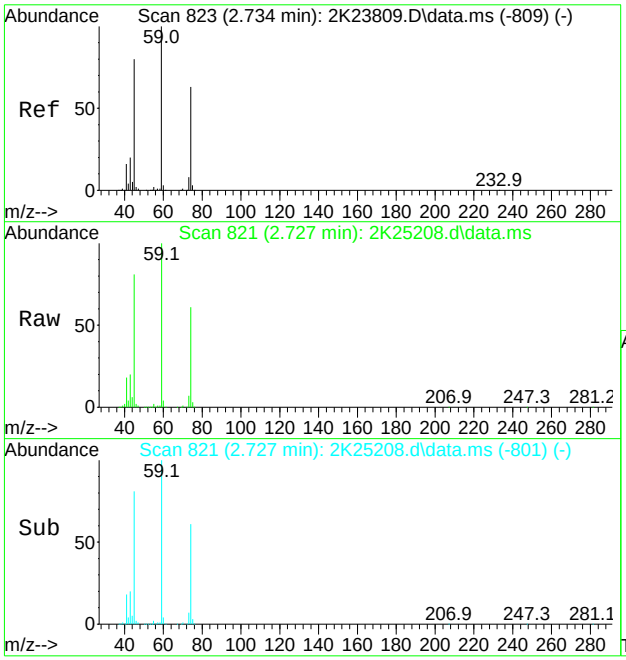


#13
trichlorofluoromethane
Concen: 39.7405 ug/L
RT: 2.479 min Scan# 744
Delta R.T. -0.010 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion:101 Resp: 439071

Ion	Ratio	Lower	Upper
101	100		
103	62.8	33.3	93.3
105	10.5	0.0	40.7

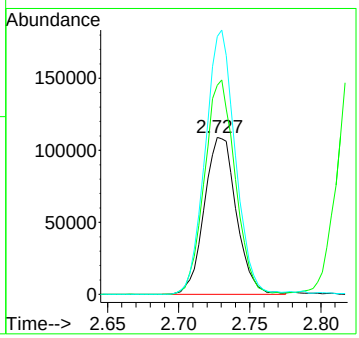


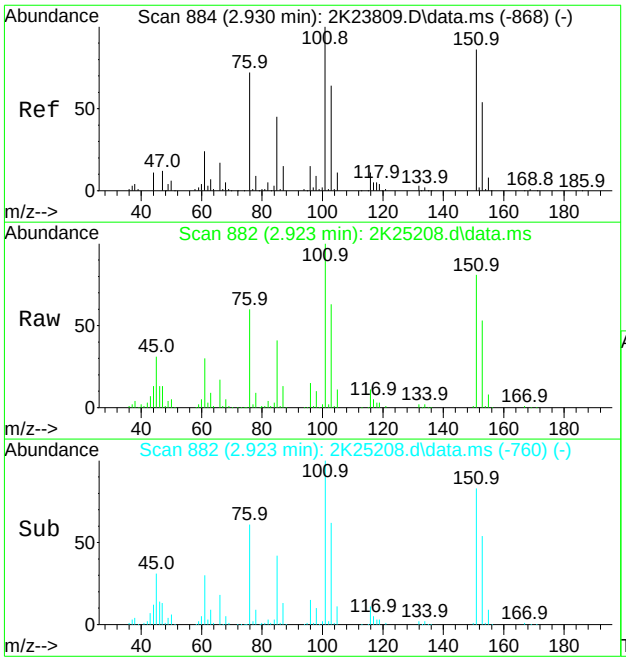


#14
ethyl ether
Concen: 42.8626 ug/L
RT: 2.727 min Scan# 821
Delta R.T. -0.007 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion: 74 Resp: 170821

Ion	Ratio	Lower	Upper
74	100		
45	133.3	96.7	156.7
59	164.3	128.9	188.9

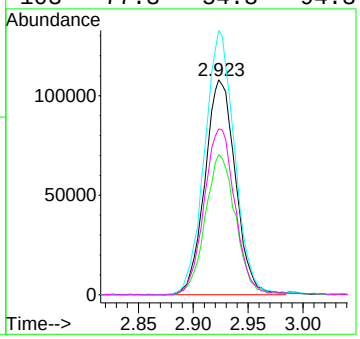


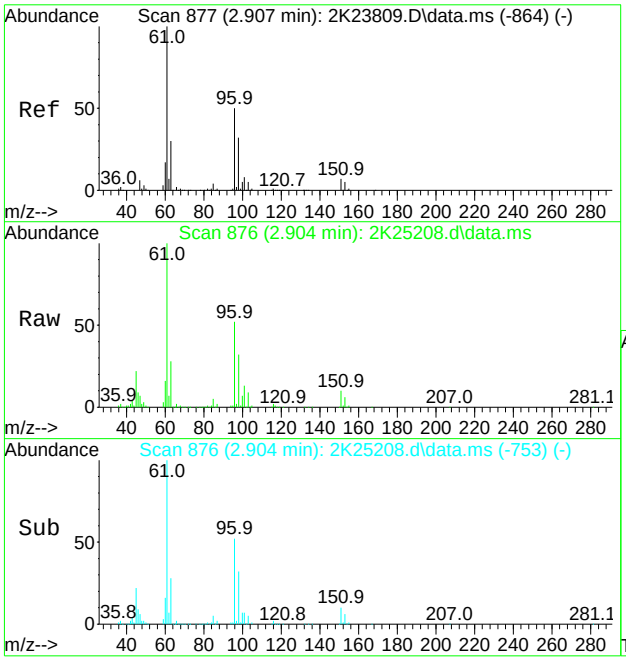


#16
freon 113
Concen: 42.4692 ug/L
RT: 2.923 min Scan# 882
Delta R.T. -0.007 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion:151 Resp: 209264

Ion	Ratio	Lower	Upper
151	100		
153	65.3	43.0	83.0
101	122.9	95.9	135.9
103	77.3	54.3	94.3

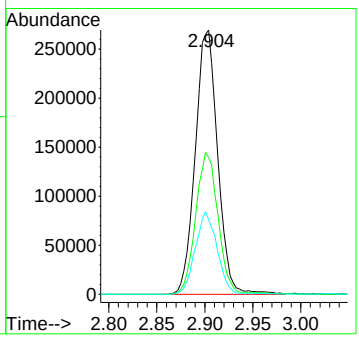


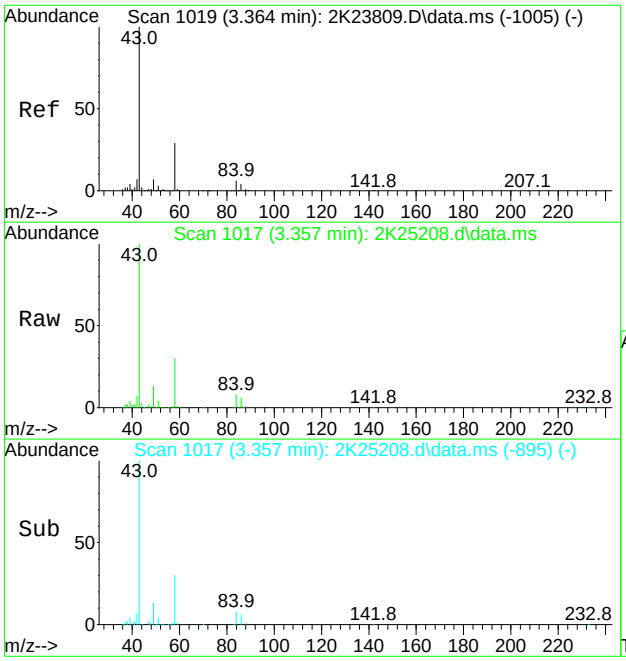


#17
1,1-dichloroethene
Concen: 42.3085 ug/L
RT: 2.904 min Scan# 876
Delta R.T. -0.003 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion: 61 Resp: 438689

Ion	Ratio	Lower	Upper
61	100		
96	51.8	19.8	79.8
63	28.4	0.4	60.4

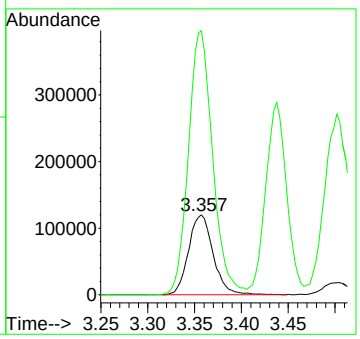


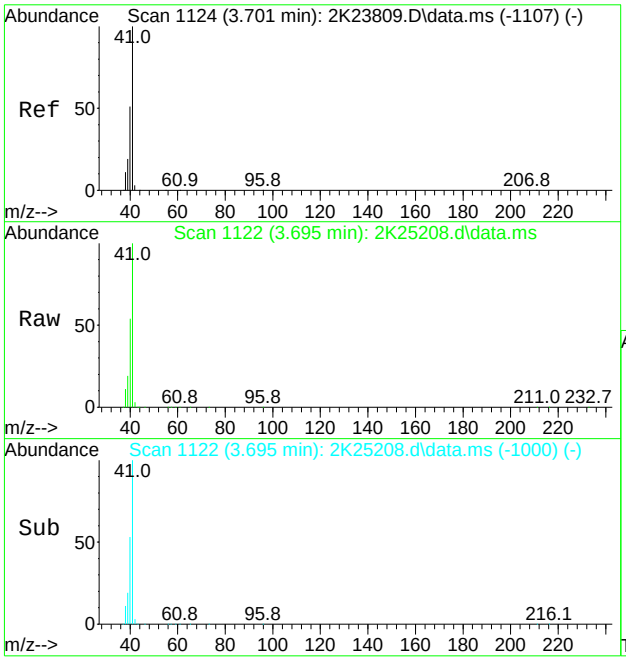


#18
acetone
Concen: 172.6011 ug/L
RT: 3.357 min Scan# 1017
Delta R.T. -0.007 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion: 58 Resp: 219920

Ion	Ratio	Lower	Upper
58	100		
43	330.6	317.9	377.9

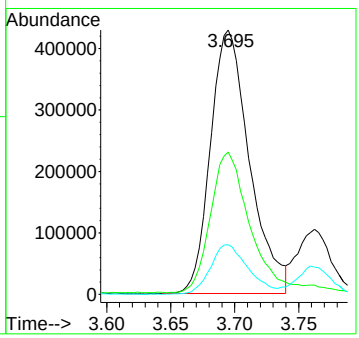


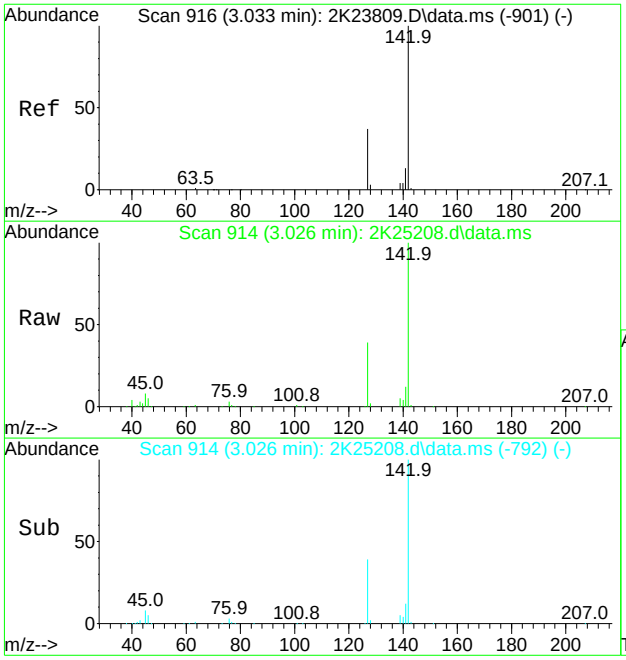


#19
acetonitrile
Concen: 472.8681 ug/L
RT: 3.695 min Scan# 1122
Delta R.T. -0.006 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion: 41 Resp: 911439

Ion	Ratio	Lower	Upper
41	100		
40	53.3	20.7	80.7
39	18.8	0.0	48.9

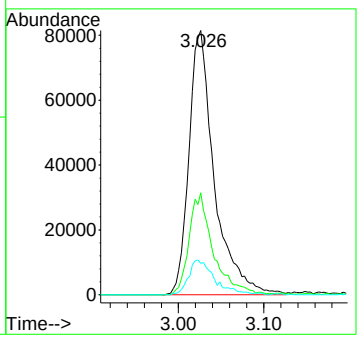


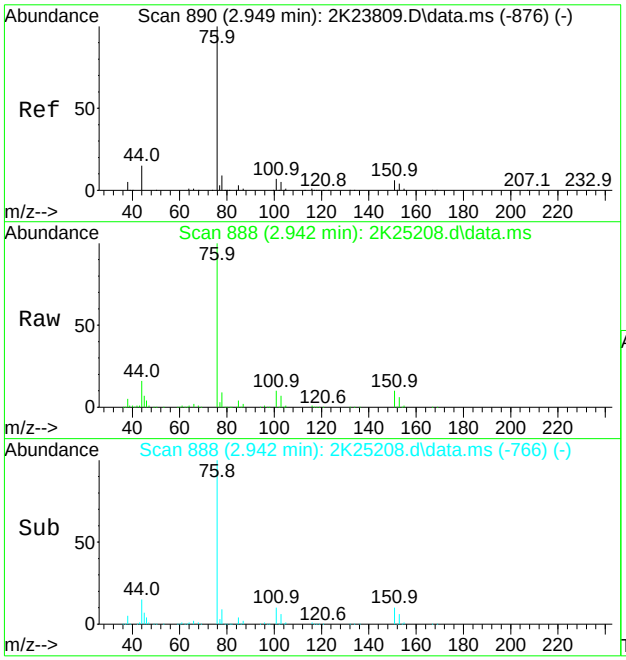


#20
iodomethane
Concen: 26.6731 ug/L
RT: 3.026 min Scan# 914
Delta R.T. -0.007 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion:142 Resp: 168443

Ion	Ratio	Lower	Upper
142	100		
127	38.6	7.2	67.2
141	11.9	0.0	43.3

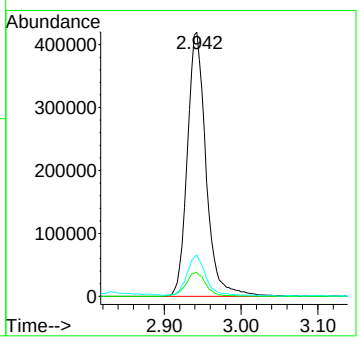


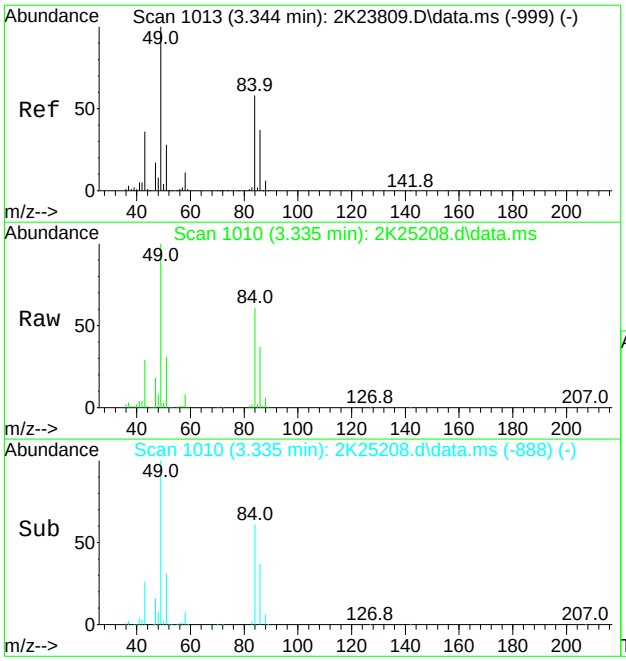


#21
carbon disulfide
Concen: 40.2482 ug/L
RT: 2.942 min Scan# 888
Delta R.T. -0.007 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion: 76 Resp: 709683

Ion	Ratio	Lower	Upper
76	100		
78	9.2	0.0	39.4
44	15.5	0.0	44.9

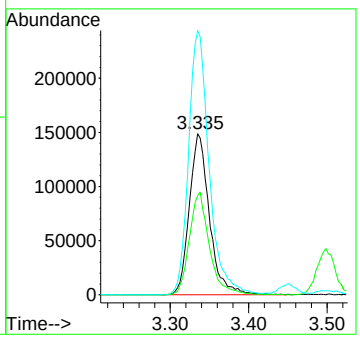


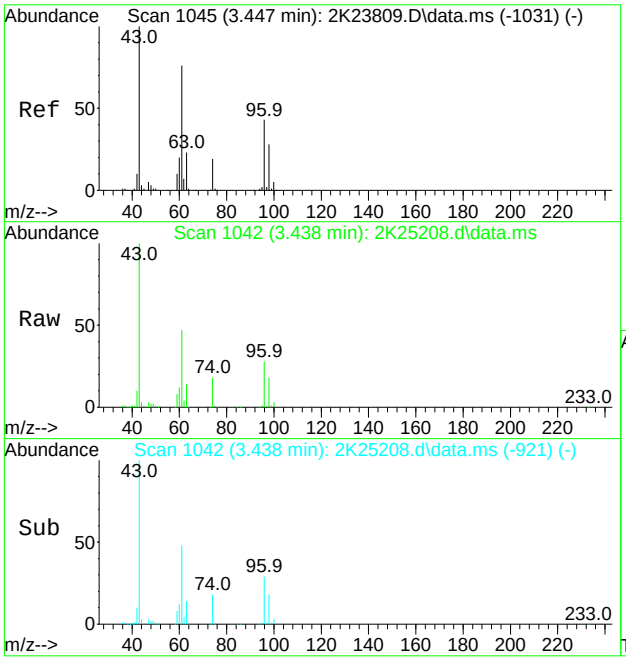


#22
methylene chloride
Concen: 43.5777 ug/L
RT: 3.335 min Scan# 1010
Delta R.T. -0.009 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion: 84 Resp: 265272

Ion	Ratio	Lower	Upper
84	100		
86	61.5	33.4	93.4
49	164.0	141.9	201.9

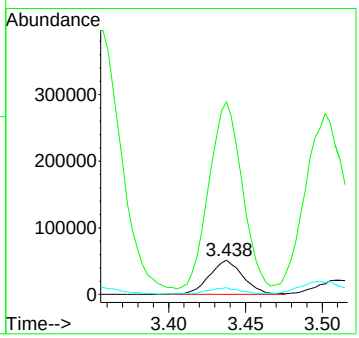


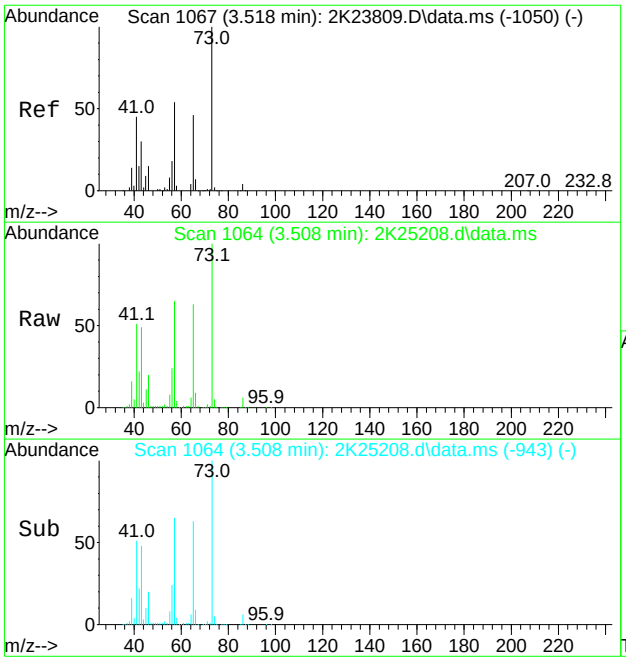


#23
methyl acetate
Concen: 44.4681 ug/L
RT: 3.438 min Scan# 1042
Delta R.T. -0.009 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion: 74 Resp: 77797

Ion	Ratio	Lower	Upper
74	100		
43	536.4	492.7	552.7
44	18.7	0.0	46.4

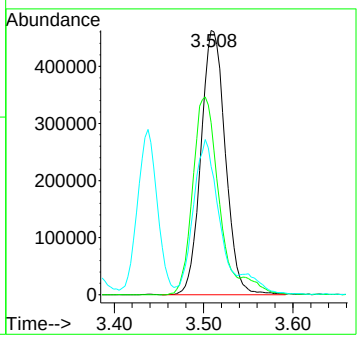


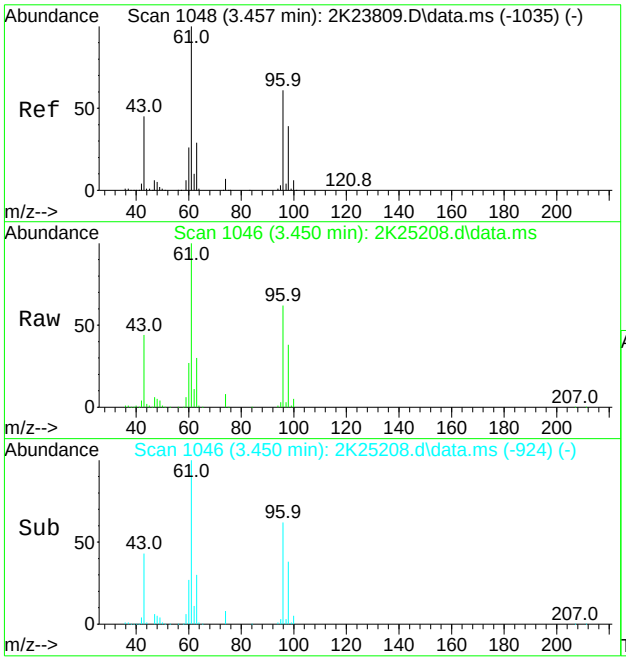


#24
methyl tert butyl ether
Concen: 41.6164 ug/L
RT: 3.508 min Scan# 1064
Delta R.T. -0.010 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion: 73 Resp: 878157

Ion	Ratio	Lower	Upper
73	100		
57	65.0	23.8	83.8
43	48.0	11.7	71.7

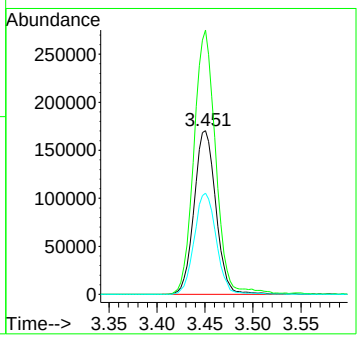


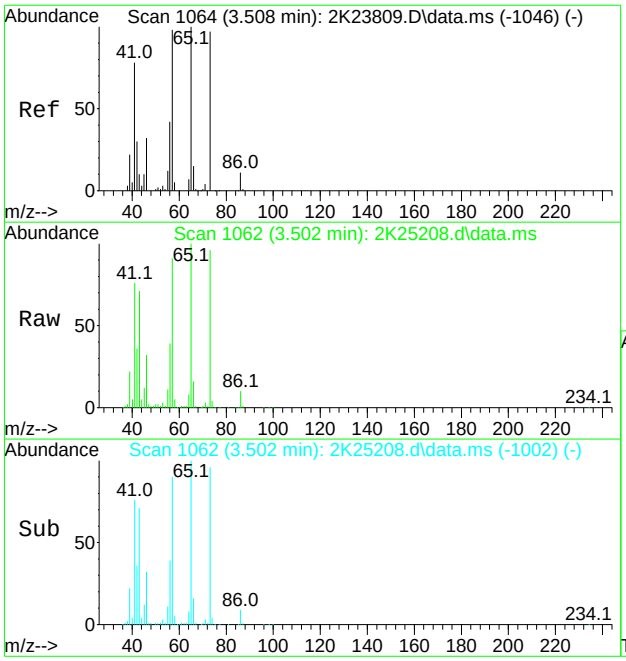


#25
trans-1,2-dichloroethene
Concen: 43.7896 ug/L
RT: 3.450 min Scan# 1046
Delta R.T. -0.006 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion: 96 Resp: 269707

Ion	Ratio	Lower	Upper
96	100		
61	161.5	132.8	192.8
98	61.8	34.2	94.2

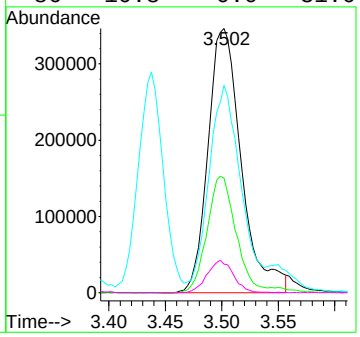


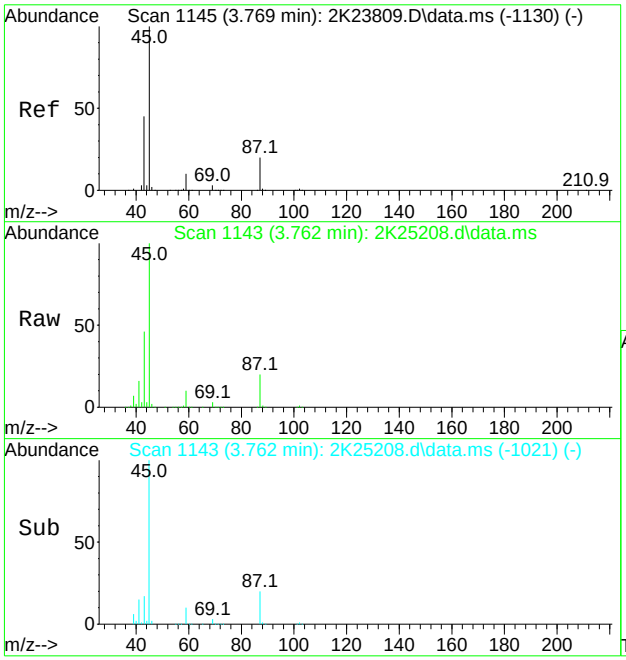


#26
hexane
Concen: 43.2384 ug/L
RT: 3.502 min Scan# 1062
Delta R.T. -0.006 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion: 57 Resp: 709587

Ion	Ratio	Lower	Upper
57	100		
56	43.4	22.5	62.5
43	70.0	45.1	85.1
86	10.8	0.0	31.0

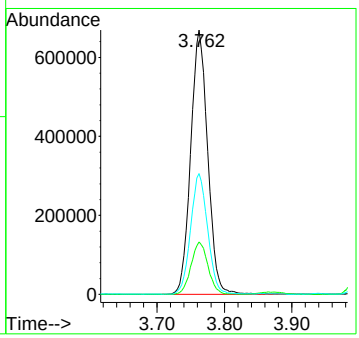


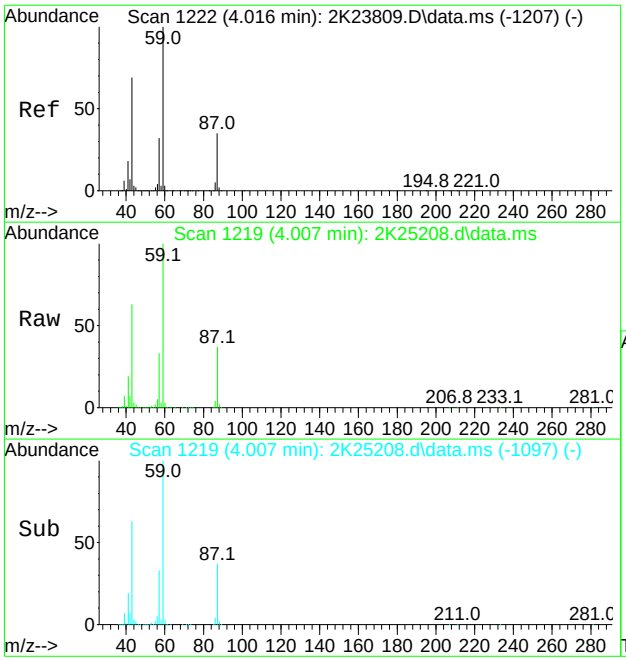


#27
di-isopropyl ether
Concen: 43.4244 ug/L
RT: 3.762 min Scan# 1143
Delta R.T. -0.007 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion: 45 Resp: 1177298

Ion	Ratio	Lower	Upper
45	100		
87	19.8	0.0	49.8
43	45.6	15.4	75.4

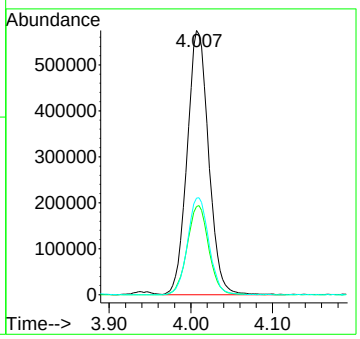


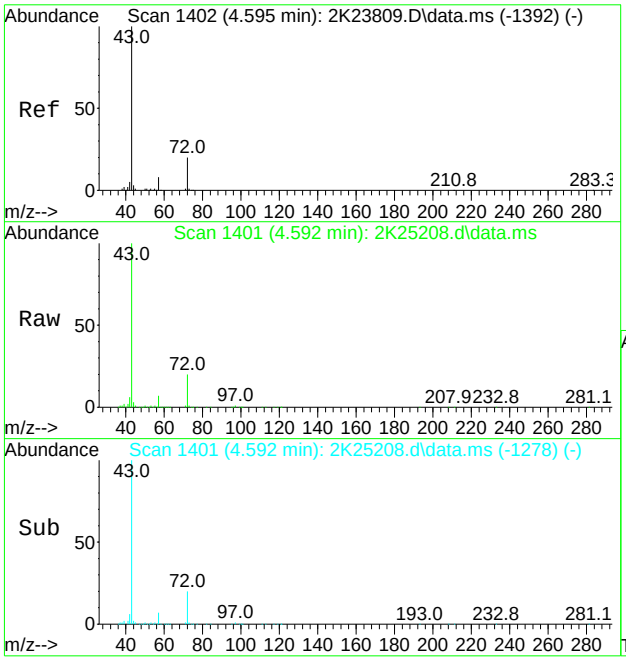


#28
ethyl tert-butyl ether
Concen: 43.3946 ug/L
RT: 4.007 min Scan# 1219
Delta R.T. -0.009 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion: 59 Resp: 1053315

Ion	Ratio	Lower	Upper
59	100		
57	33.4	1.6	61.6
87	36.6	5.2	65.2

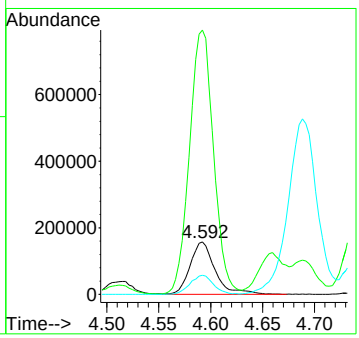


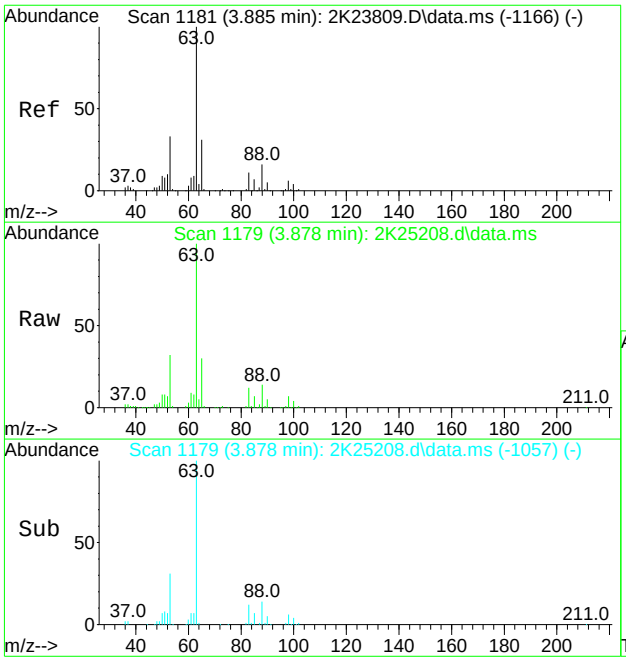


#29
2-butanone
Concen: 192.0045 ug/L
RT: 4.592 min Scan# 1401
Delta R.T. -0.003 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion: 72 Resp: 265500

Ion	Ratio	Lower	Upper
72	100		
43	503.8	461.8	521.8
57	36.3	7.0	67.0

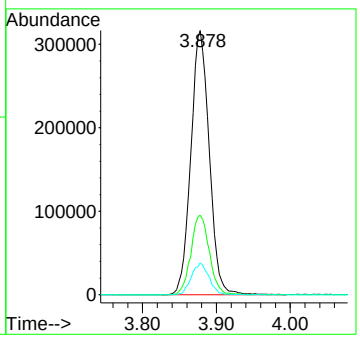


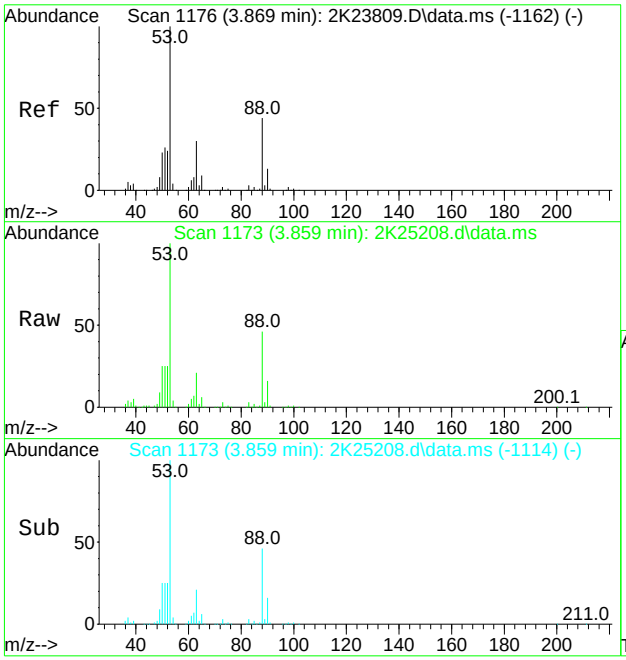


#30
1,1-dichloroethane
Concen: 43.4160 ug/L
RT: 3.878 min Scan# 1179
Delta R.T. -0.007 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion: 63 Resp: 546534

Ion	Ratio	Lower	Upper
63	100		
65	30.1	0.5	60.5
83	12.1	0.0	41.0

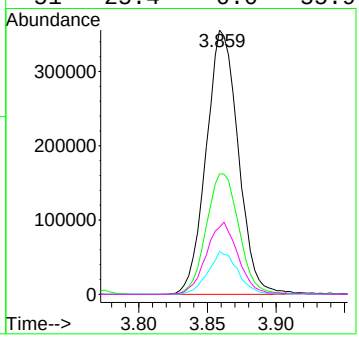


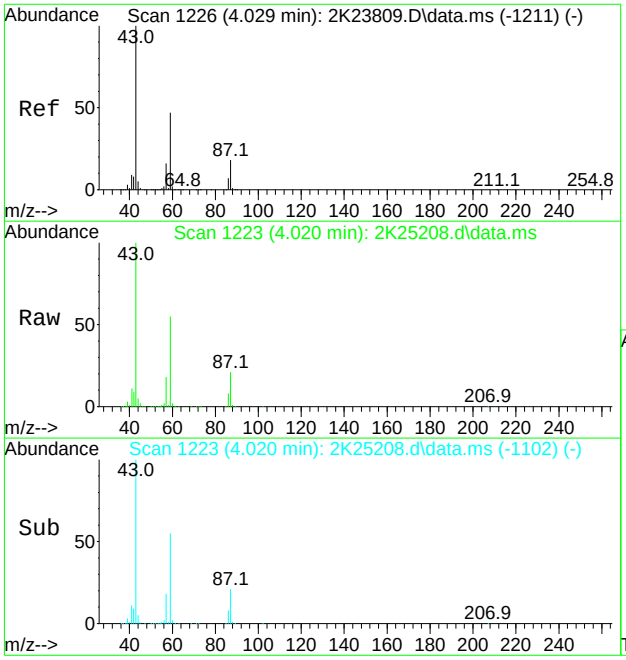


#31
chloroprene
Concen: 42.4062 ug/L
RT: 3.859 min Scan# 1173
Delta R.T. -0.010 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion: 53 Resp: 577583

Ion	Ratio	Lower	Upper
53	100		
88	45.6	14.2	74.2
90	16.3	0.0	42.9
51	25.4	0.0	55.9

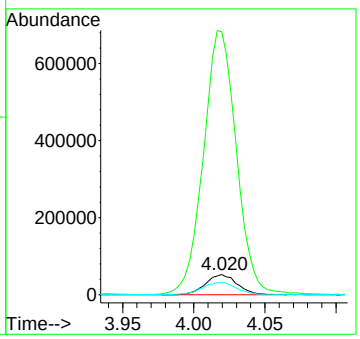


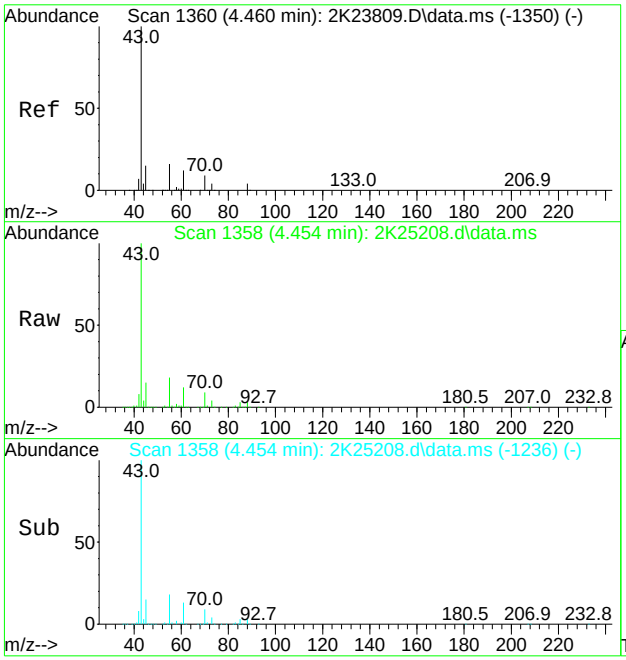


#33
vinyl acetate
Concen: 48.0381 ug/L
RT: 4.020 min Scan# 1223
Delta R.T. -0.009 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion: 86 Resp: 81397

Ion	Ratio	Lower	Upper
86	100		
43	1287.7	1321.8	1381.8#
44	60.1	32.5	92.5

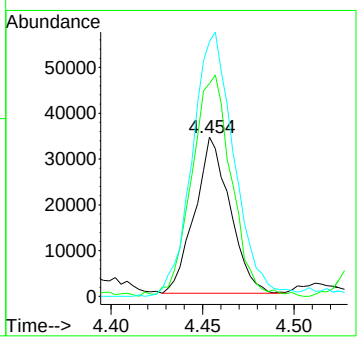


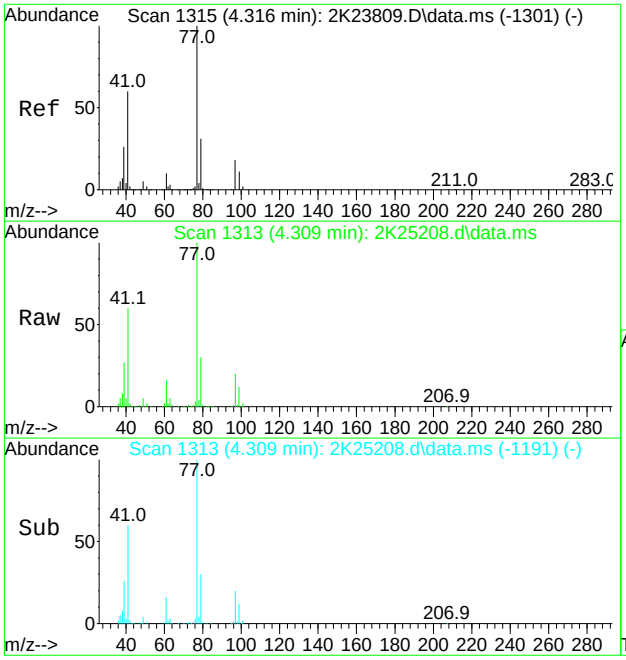


#34
ethyl acetate
Concen: 39.7182 ug/L
RT: 4.454 min Scan# 1358
Delta R.T. -0.006 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion: 70 Resp: 45673

Ion	Ratio	Lower	Upper
70	100		
61	134.7	105.6	165.6
45	158.9	135.3	195.3

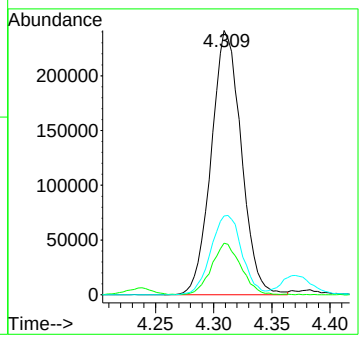


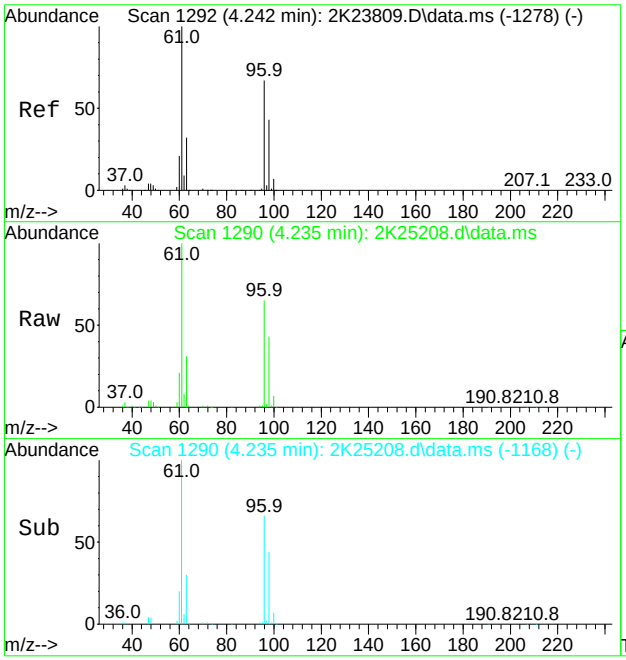


#35
2,2-dichloropropane
Concen: 43.1234 ug/L
RT: 4.309 min Scan# 1313
Delta R.T. -0.007 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion: 77 Resp: 433105

Ion	Ratio	Lower	Upper
77	100		
97	19.3	0.0	47.7
79	29.8	0.6	60.6

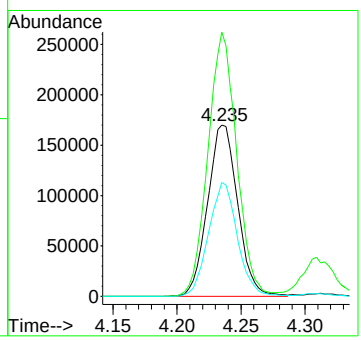


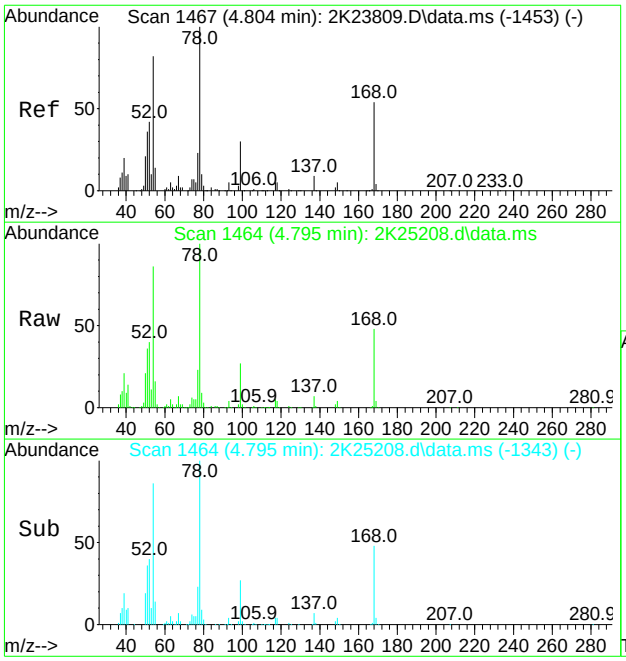


#36
cis-1,2-dichloroethene
Concen: 42.8097 ug/L
RT: 4.235 min Scan# 1290
Delta R.T. -0.007 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion: 96 Resp: 278298

Ion	Ratio	Lower	Upper
96	100		
61	154.3	118.2	178.2
98	66.4	34.3	94.3

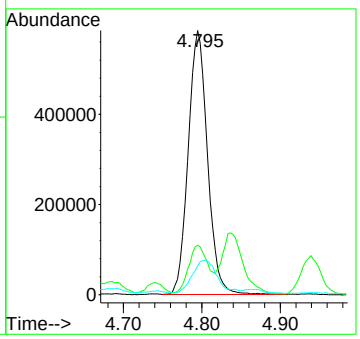


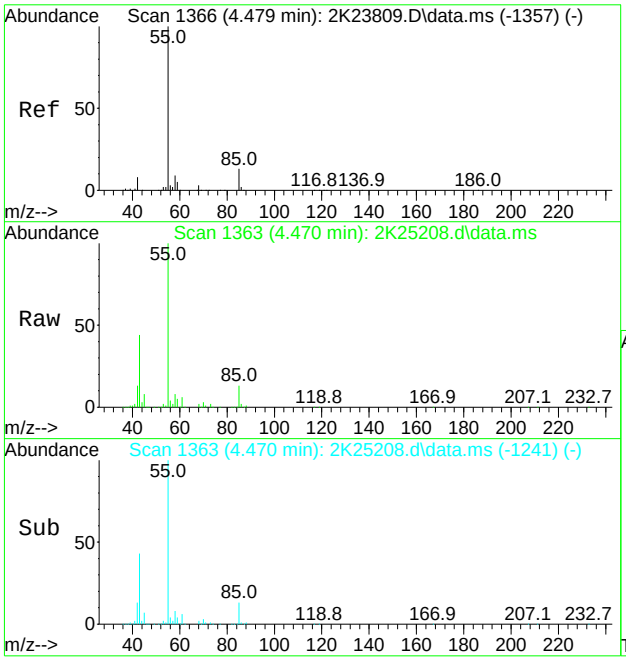


#37
propionitrile
Concen: 465.8565 ug/L
RT: 4.795 min Scan# 1464
Delta R.T. -0.010 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion: 54 Resp: 997977

Ion	Ratio	Lower	Upper
54	100		
55	18.4	0.0	48.6
40	10.4	0.0	41.7

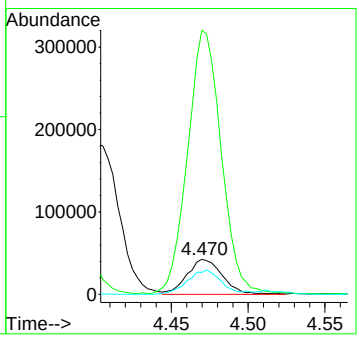


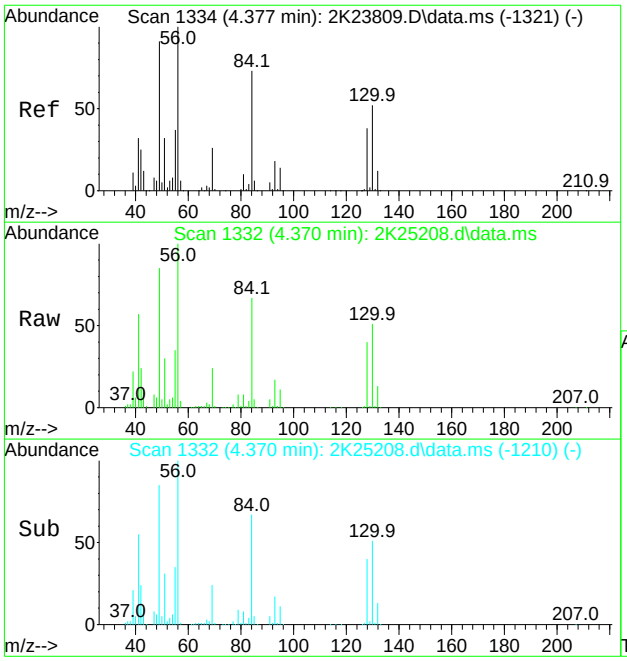


#38
methyl acrylate
Concen: 45.2538 ug/L
RT: 4.470 min Scan# 1363
Delta R.T. -0.009 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion: 85 Resp: 68696

Ion	Ratio	Lower	Upper
85	100		
55	758.7	726.6	766.6
58	59.9	49.4	89.4

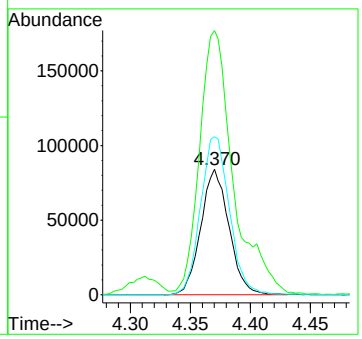


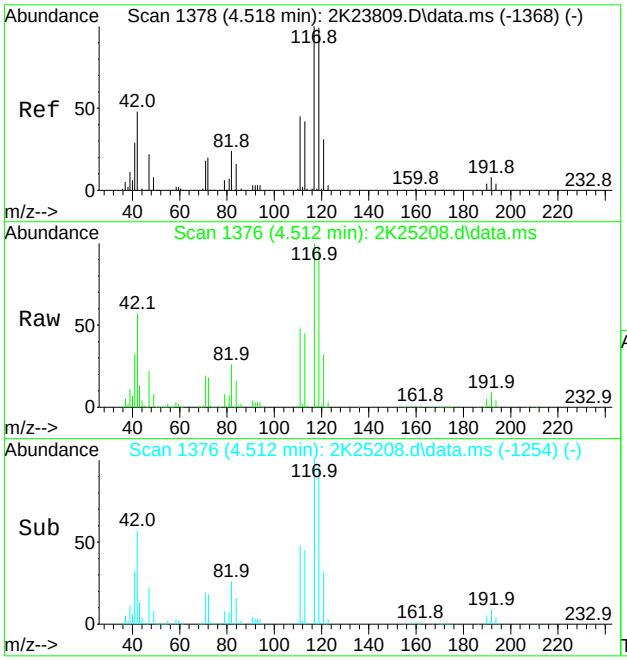


#39
bromochloromethane
Concen: 48.3714 ug/L
RT: 4.370 min Scan# 1332
Delta R.T. -0.007 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion:128 Resp: 137515

Ion	Ratio	Lower	Upper
128	100		
49	208.8	213.9	273.9#
130	126.0	107.4	167.4

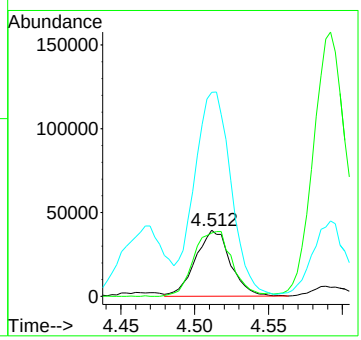


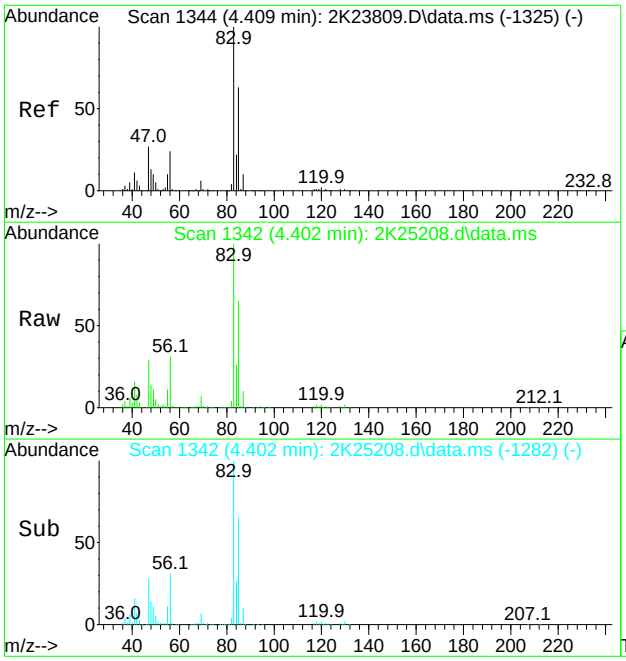


#40
tetrahydrofuran
Concen: 45.2025 ug/L
RT: 4.512 min Scan# 1376
Delta R.T. -0.006 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion: 71 Resp: 64567

Ion	Ratio	Lower	Upper
71	100		
72	95.2	75.2	135.2
42	304.6	288.0	348.0

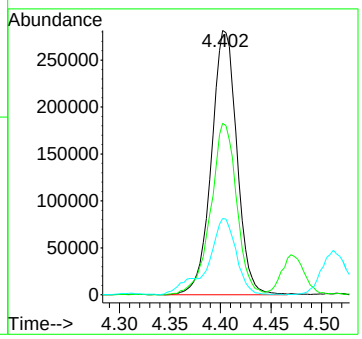


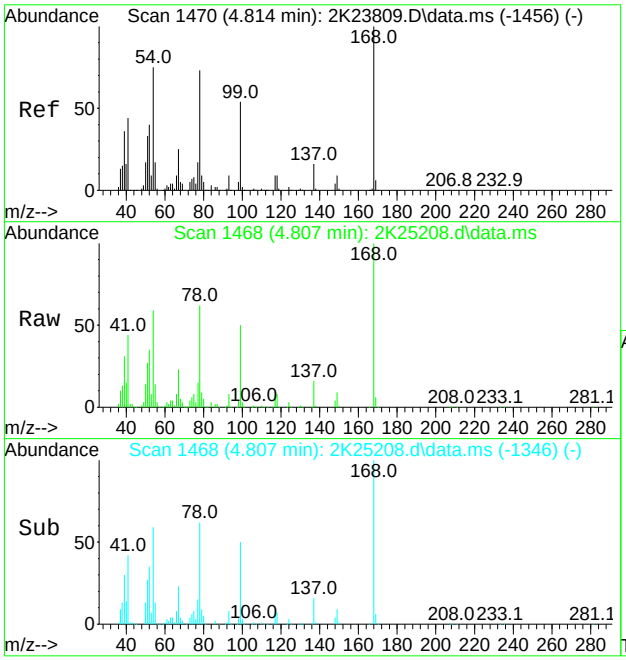


#41
chloroform
Concen: 41.5813 ug/L
RT: 4.402 min Scan# 1342
Delta R.T. -0.007 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion: 83 Resp: 493074

Ion	Ratio	Lower	Upper
83	100		
85	64.9	33.0	93.0
47	28.6	0.0	56.9

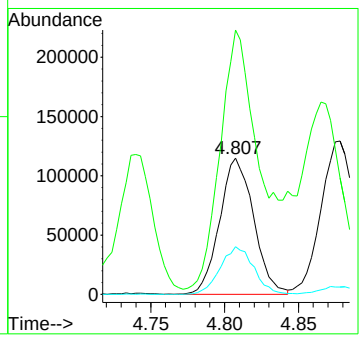


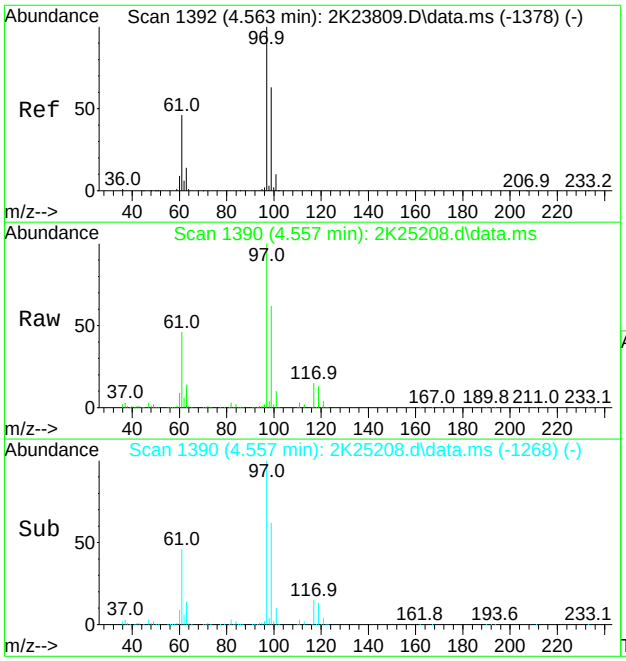


#43
methacrylonitrile
Concen: 43.0144 ug/L
RT: 4.807 min Scan# 1468
Delta R.T. -0.007 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion: 67 Resp: 183801

Ion	Ratio	Lower	Upper
67	100		
41	173.1	145.5	205.5
66	35.0	4.7	64.7

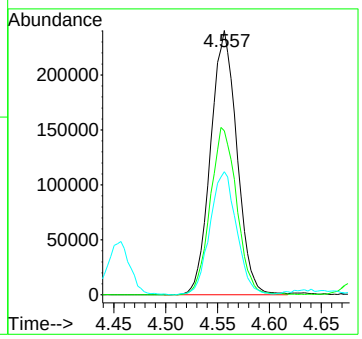


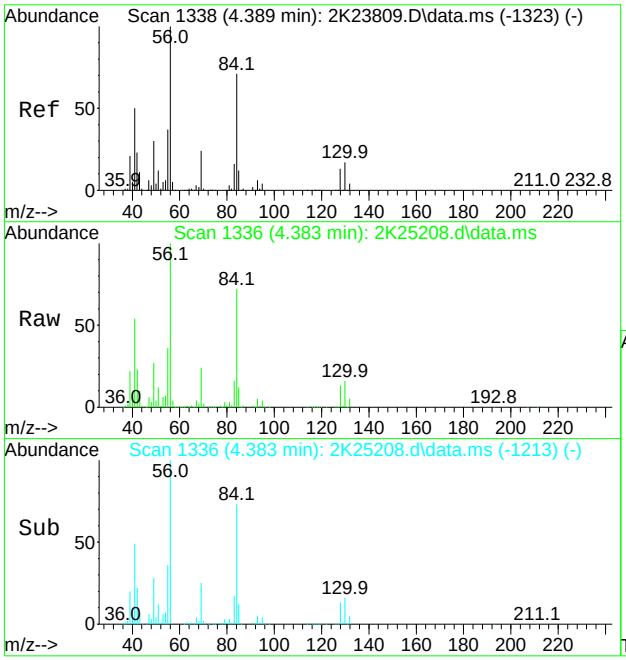


#44
1,1,1-trichloroethane
Concen: 41.7456 ug/L
RT: 4.557 min Scan# 1390
Delta R.T. -0.006 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion: 97 Resp: 423329

Ion	Ratio	Lower	Upper
97	100		
99	62.0	32.8	92.8
61	46.1	16.5	76.5

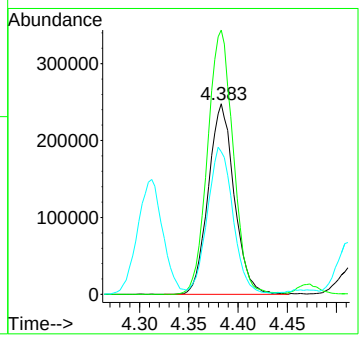


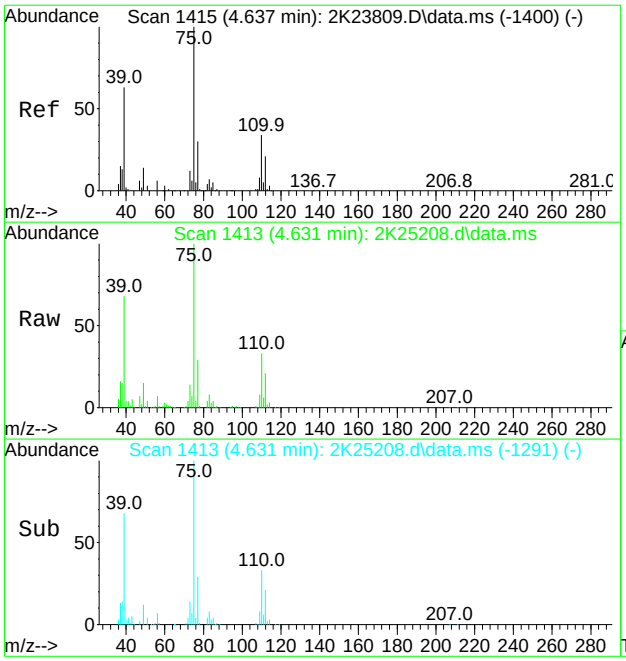


#45
cyclohexane
Concen: 49.7935 ug/L
RT: 4.383 min Scan# 1336
Delta R.T. -0.006 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion: 84 Resp: 453422

Ion	Ratio	Lower	Upper
84	100		
56	138.7	120.0	160.0
41	73.2	58.4	98.4

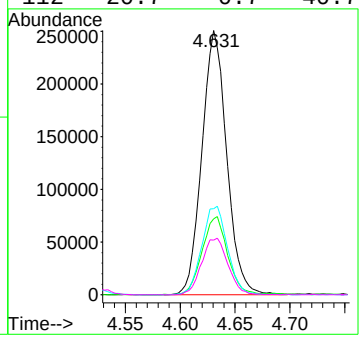


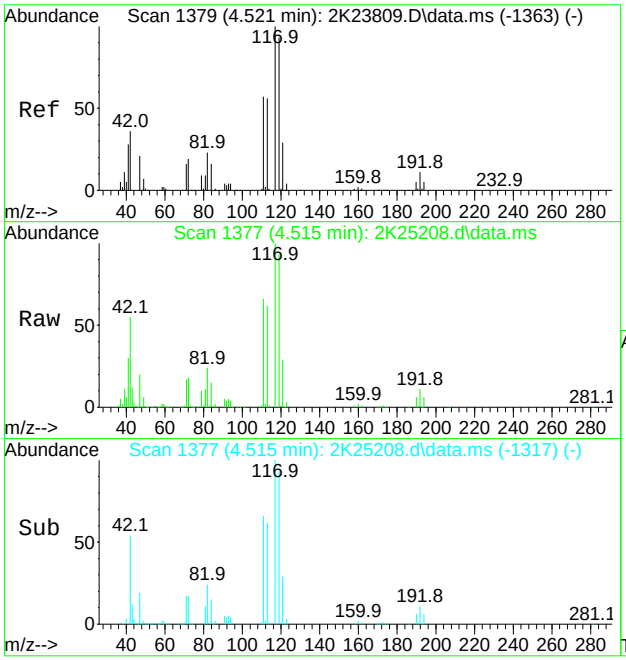


#46
1,1-dichloropropene
Concen: 44.5731 ug/L
RT: 4.631 min Scan# 1413
Delta R.T. -0.006 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion: 75 Resp: 394884

Ion	Ratio	Lower	Upper
75	100		
77	28.5	10.5	50.5
110	32.5	14.4	54.4
112	20.7	0.7	40.7

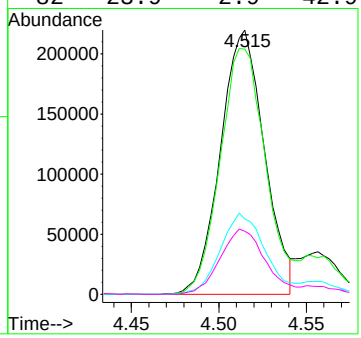


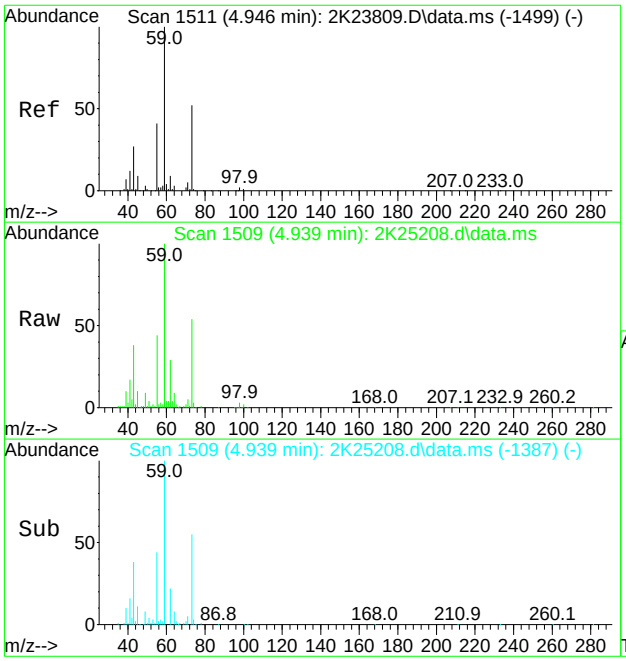


#47
carbon tetrachloride
Concen: 41.4266 ug/L m
RT: 4.515 min Scan# 1377
Delta R.T. -0.006 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion:117 Resp: 382697

Ion	Ratio	Lower	Upper
117	100		
119	92.8	72.9	112.9
121	28.5	9.2	49.2
82	23.9	2.9	42.9

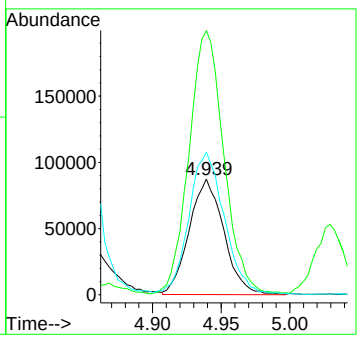


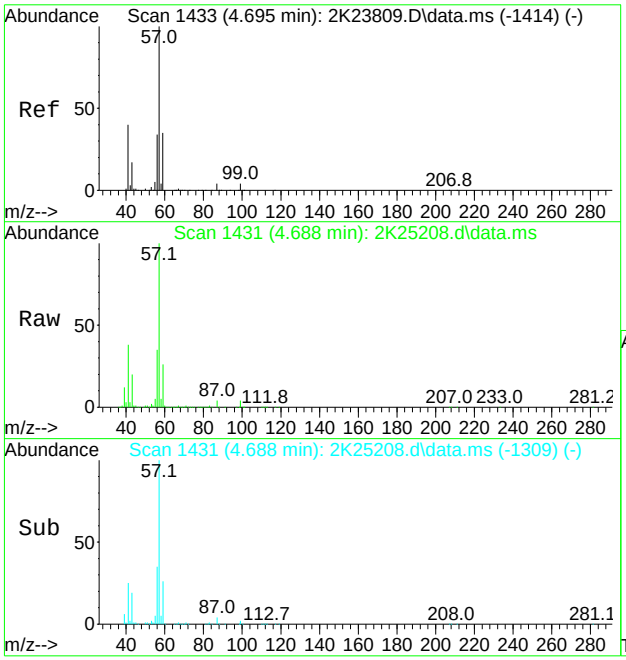


#49
tert-amyl alcohol
Concen: 221.5444 ug/L
RT: 4.939 min Scan# 1509
Delta R.T. -0.007 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion: 55 Resp: 153420

Ion	Ratio	Lower	Upper
55	100		
59	228.3	218.4	258.4
73	122.7	106.6	146.6

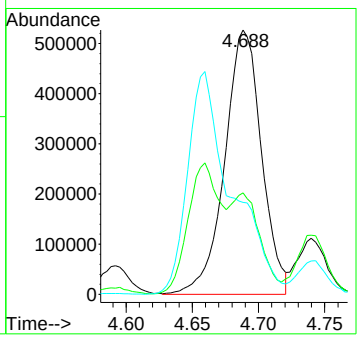


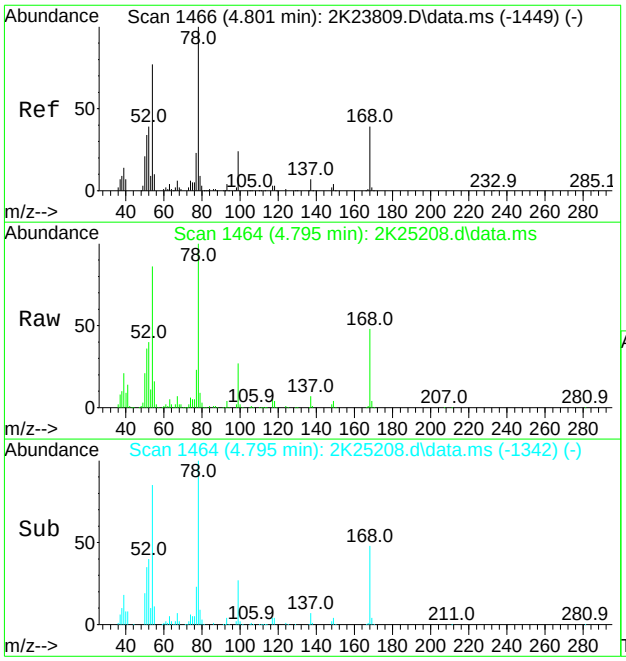


#52
iso-octane
Concen: 40.6422 ug/L
RT: 4.688 min Scan# 1431
Delta R.T. -0.007 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion: 57 Resp: 1020292

Ion	Ratio	Lower	Upper
57	100		
41	37.6	19.7	59.7
56	33.4	14.3	54.3

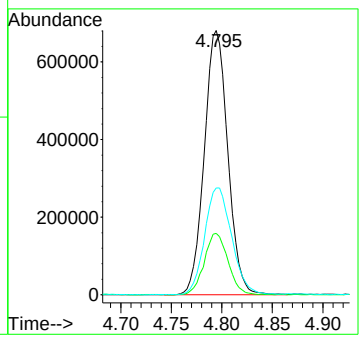


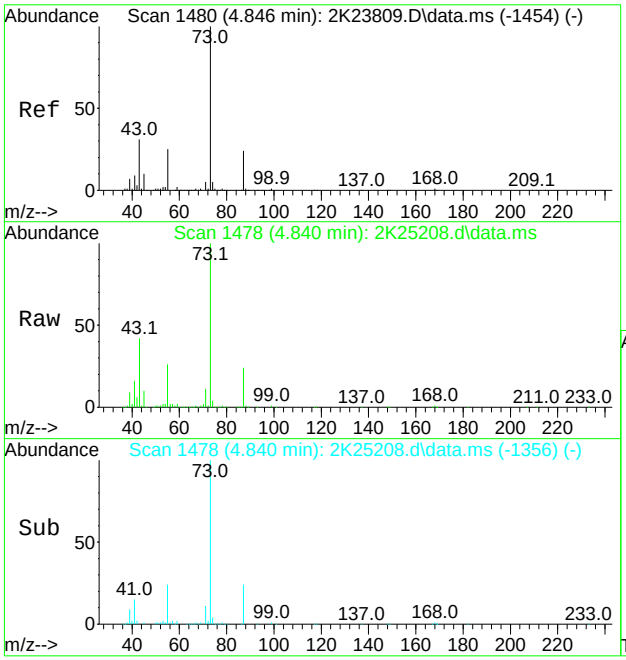


#53
benzene
Concen: 43.9703 ug/L
RT: 4.795 min Scan# 1464
Delta R.T. -0.006 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion: 78 Resp: 1102822

Ion	Ratio	Lower	Upper
78	100		
77	23.2	0.0	53.5
52	40.3	8.9	68.9

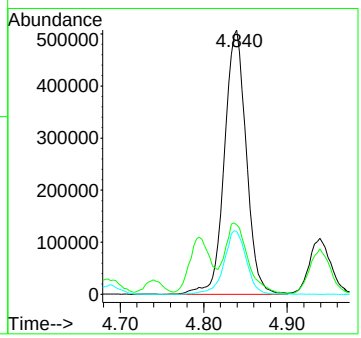


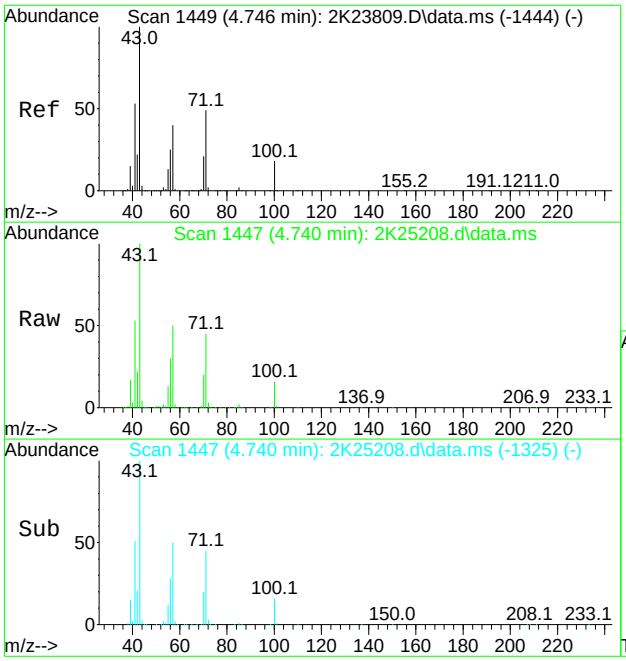


#54
tert-amyl methyl ether
Concen: 43.2257 ug/L
RT: 4.840 min Scan# 1478
Delta R.T. -0.006 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion: 73 Resp: 920847

Ion	Ratio	Lower	Upper
73	100		
55	25.8	6.1	46.1
87	23.9	4.3	44.3

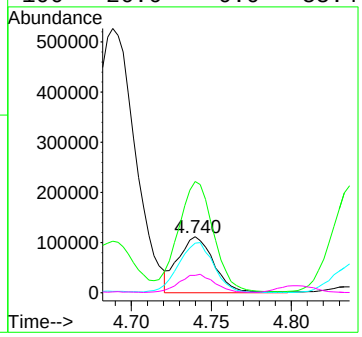


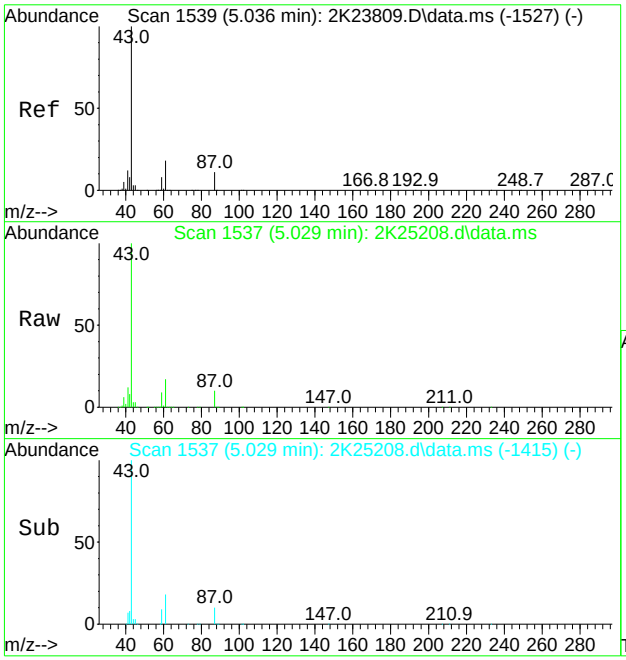


#55
heptane
Concen: 47.6486 ug/L
RT: 4.740 min Scan# 1447
Delta R.T. -0.006 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion: 57 Resp: 174274

Ion	Ratio	Lower	Upper
57	100		
43	198.3	171.2	231.2
71	89.2	63.1	123.1
100	26.6	0.0	55.4

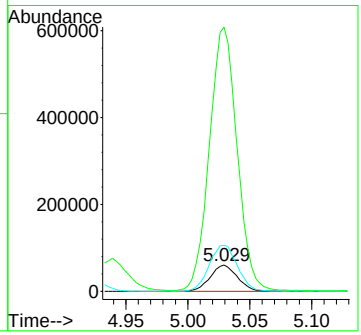


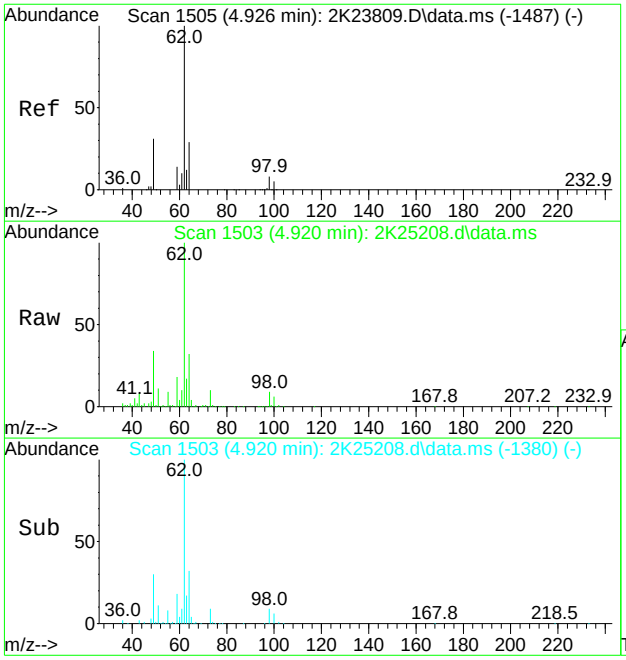


#56
isopropyl acetate
Concen: 45.2018 ug/L
RT: 5.029 min Scan# 1537
Delta R.T. -0.007 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion: 87 Resp: 92786

Ion	Ratio	Lower	Upper
87	100		
43	1001.8	917.6	977.6#
61	175.2	137.7	197.7

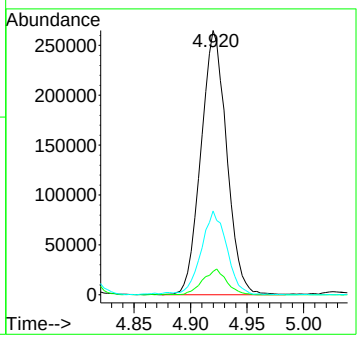


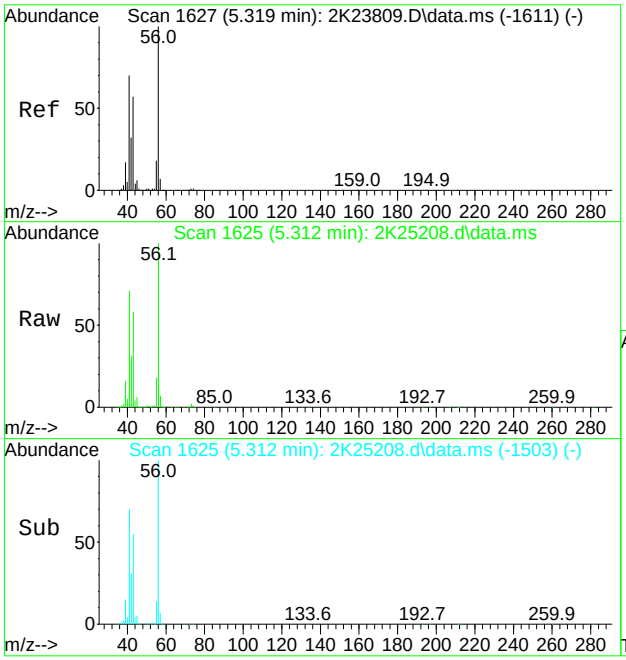


#57
1,2-dichloroethane
Concen: 41.4942 ug/L
RT: 4.920 min Scan# 1503
Delta R.T. -0.006 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion: 62 Resp: 418471

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	38.3
64	31.7	0.0	59.6

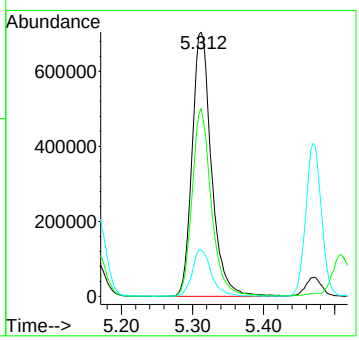


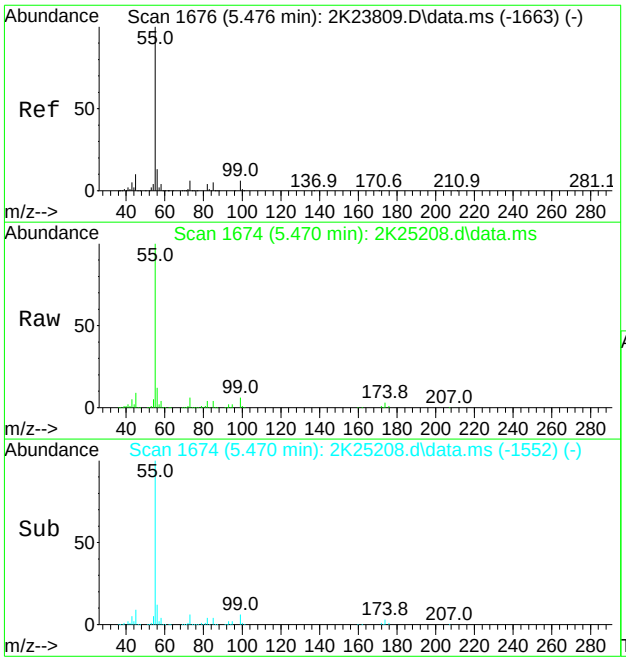


#58
n-butyl alcohol
Concen: 2387.7332 ug/L
RT: 5.312 min Scan# 1625
Delta R.T. -0.007 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion: 56 Resp: 1332508

Ion	Ratio	Lower	Upper
56	100		
41	71.1	50.4	90.4
55	17.6	0.0	37.7

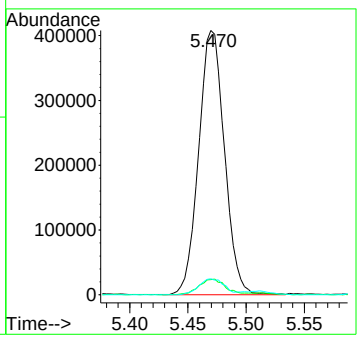


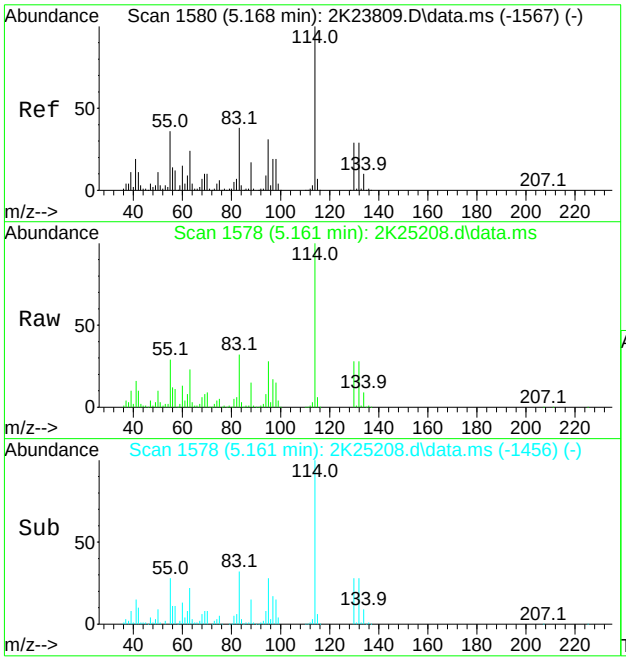


#59
ethyl acrylate
Concen: 45.9052 ug/L
RT: 5.470 min Scan# 1674
Delta R.T. -0.006 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion: 55 Resp: 630152

Ion	Ratio	Lower	Upper
55	100		
73	5.7	0.0	36.2
99	6.1	0.0	36.0

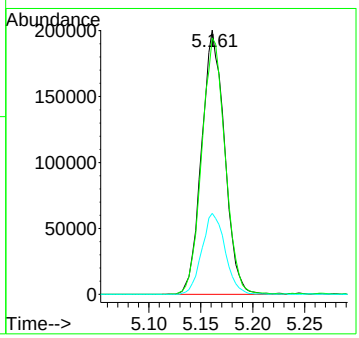


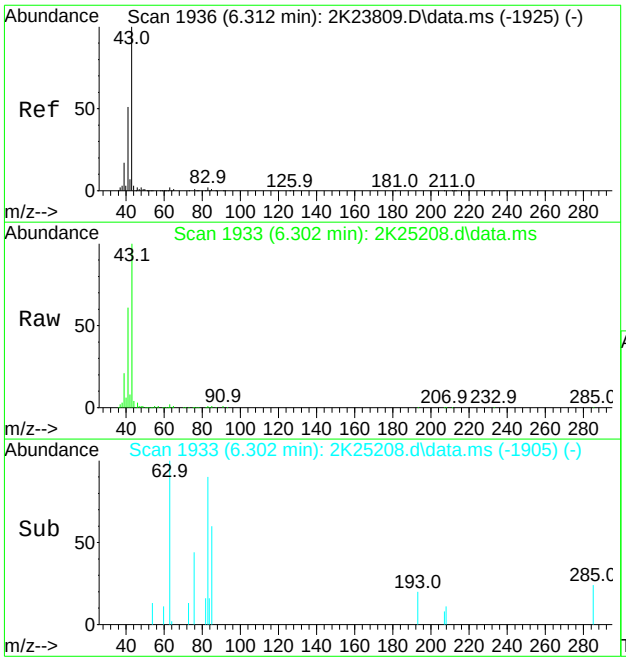


#60
trichloroethene
Concen: 50.5929 ug/L
RT: 5.161 min Scan# 1578
Delta R.T. -0.007 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion:130 Resp: 309315

Ion	Ratio	Lower	Upper
130	100		
132	96.9	70.8	130.8
134	30.6	4.2	64.2

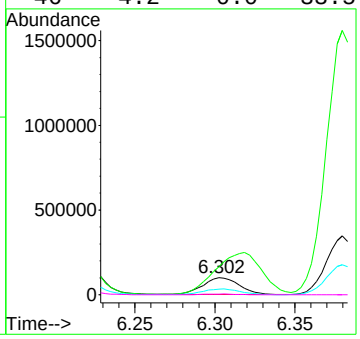


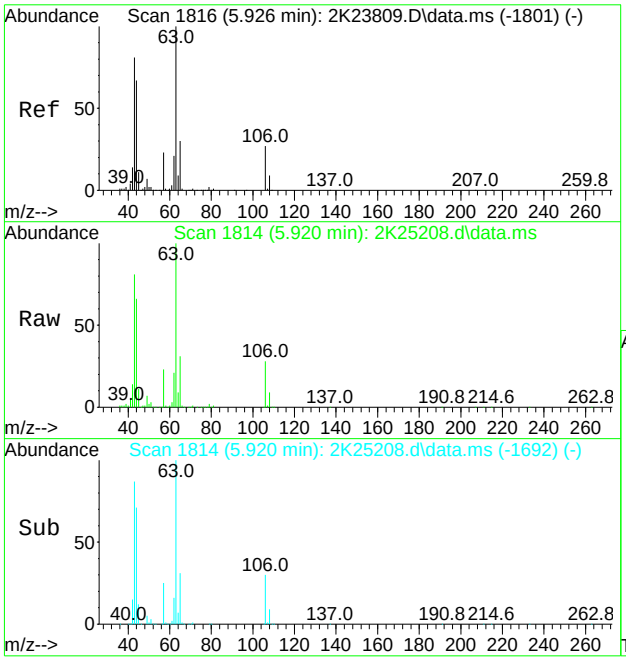


#61
2-nitropropane
Concen: 44.2428 ug/L
RT: 6.302 min Scan# 1933
Delta R.T. -0.010 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion: 41 Resp: 159030

Ion	Ratio	Lower	Upper
41	100		
43	162.6	163.8	223.8#
39	32.9	4.1	64.1
46	4.2	0.0	33.5

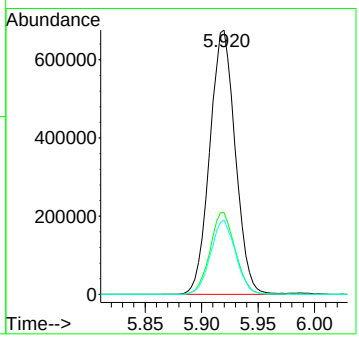


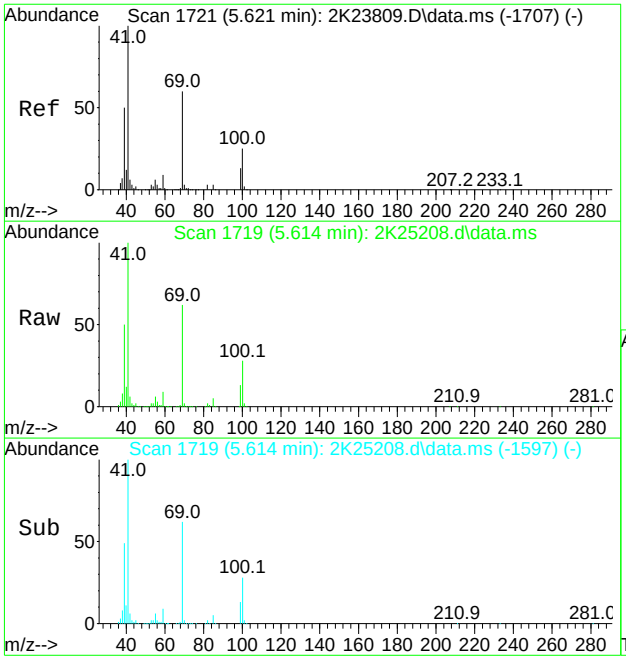


#62
2-chloroethyl vinyl ether
Concen: 225.4921 ug/L
RT: 5.920 min Scan# 1814
Delta R.T. -0.006 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion: 63 Resp: 1059122

Ion	Ratio	Lower	Upper
63	100		
65	31.0	0.3	60.3
106	28.2	0.0	57.1

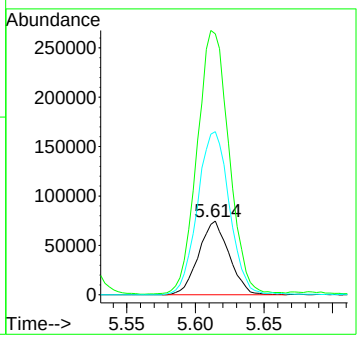


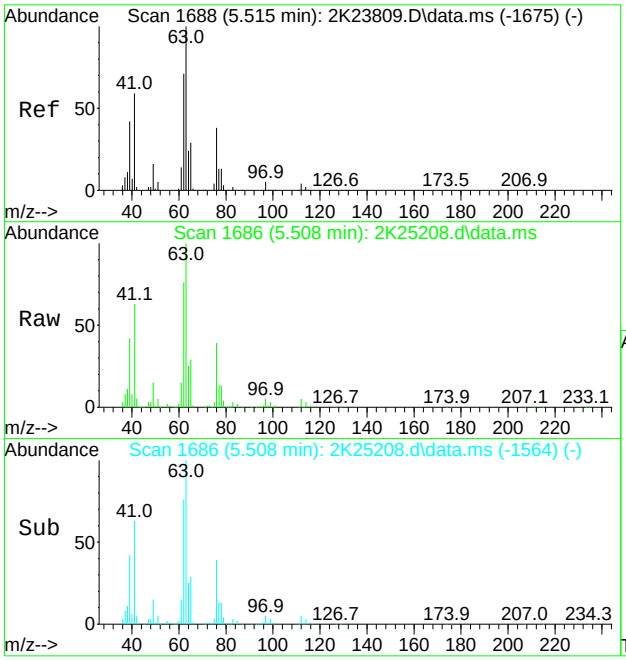


#63
methyl methacrylate
Concen: 48.4123 ug/L
RT: 5.614 min Scan# 1719
Delta R.T. -0.007 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion:100 Resp: 115391

Ion	Ratio	Lower	Upper
100	100		
41	352.5	374.3	434.3#
69	221.2	214.3	274.3

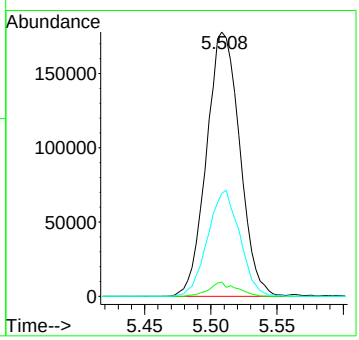


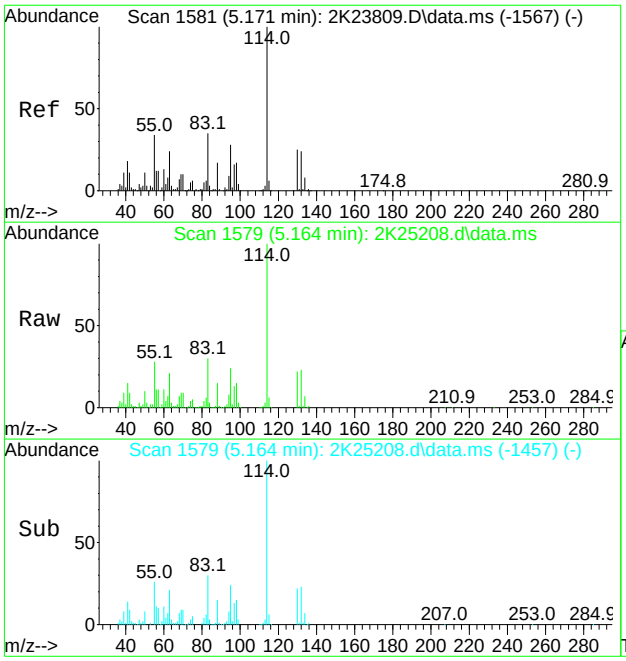


#64
1,2-dichloropropane
Concen: 44.4269 ug/L
RT: 5.508 min Scan# 1686
Delta R.T. -0.007 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion: 63 Resp: 310740

Ion	Ratio	Lower	Upper
63	100		
112	5.5	0.0	33.7
76	38.9	7.9	67.9

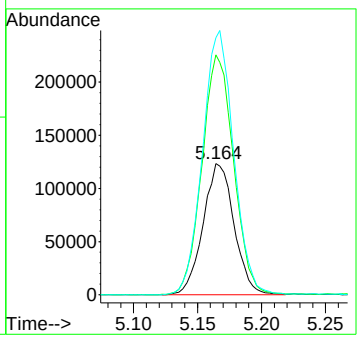


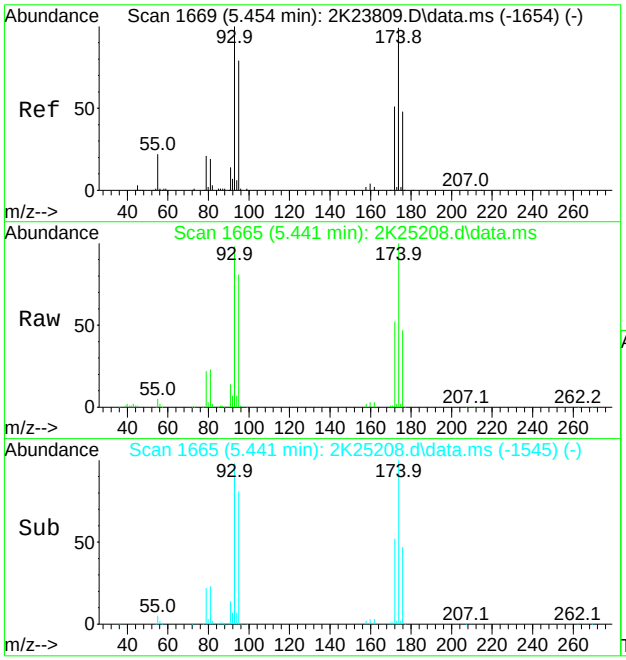


#65
methylcyclohexane
Concen: 46.6759 ug/L
RT: 5.164 min Scan# 1579
Delta R.T. -0.007 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion: 98 Resp: 208275

Ion	Ratio	Lower	Upper
98	100		
55	182.4	173.8	233.8
83	195.7	181.7	241.7

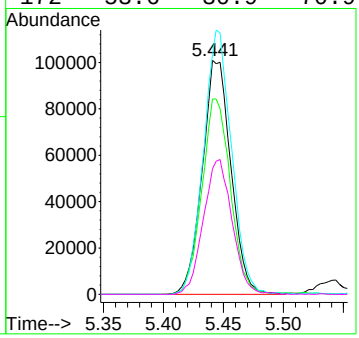


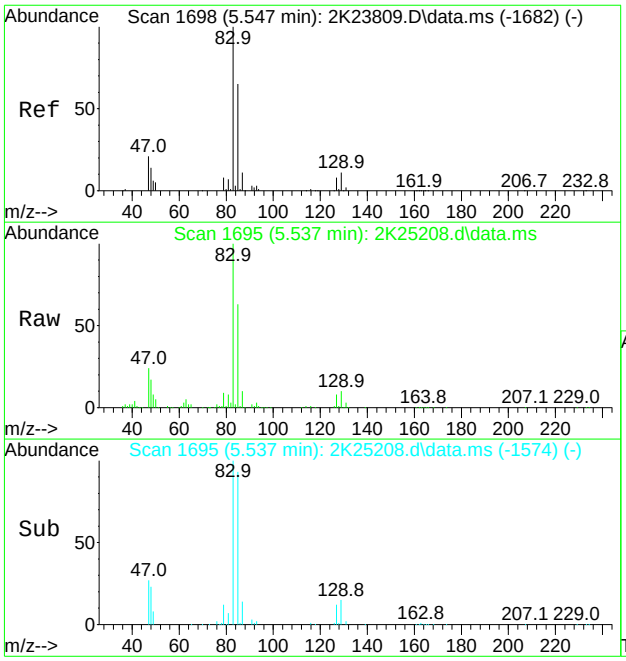


#66
dibromomethane
Concen: 43.2790 ug/L
RT: 5.441 min Scan# 1665
Delta R.T. -0.013 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion: 93 Resp: 168019

Ion	Ratio	Lower	Upper
93	100		
95	83.5	49.5	109.5
174	102.5	68.7	128.7
172	53.6	30.9	70.9

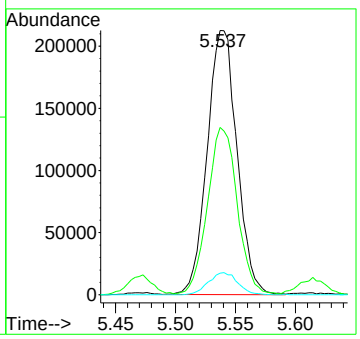


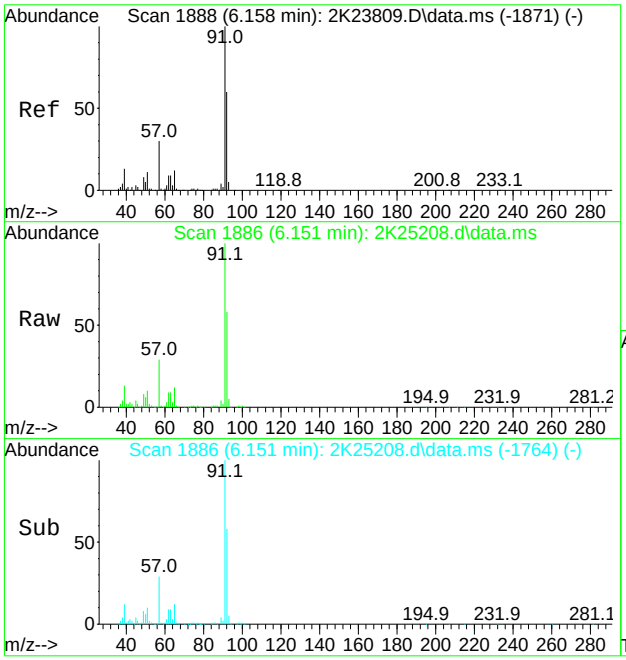


#67
bromodichloromethane
Concen: 43.8123 ug/L
RT: 5.537 min Scan# 1695
Delta R.T. -0.010 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion: 83 Resp: 366872

Ion	Ratio	Lower	Upper
83	100		
85	62.1	36.5	96.5
127	8.2	0.0	37.8

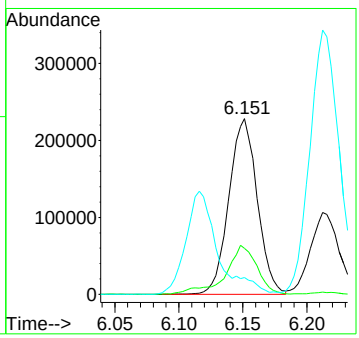


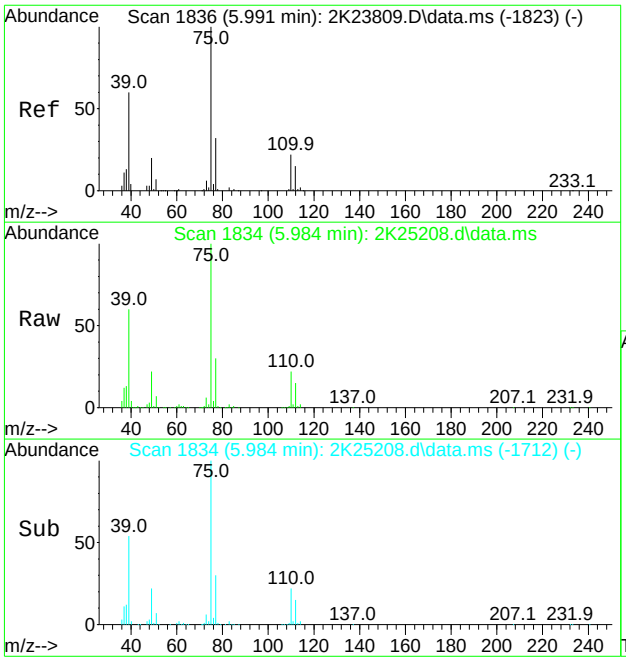


#68
epichlorohydrin
Concen: 226.6558 ug/L
RT: 6.151 min Scan# 1886
Delta R.T. -0.007 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion: 57 Resp: 351811

Ion	Ratio	Lower	Upper
57	100		
49	25.9	7.1	47.1
42	8.7	0.0	27.5

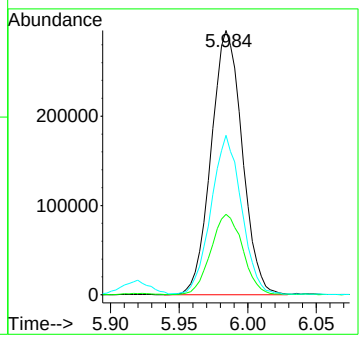


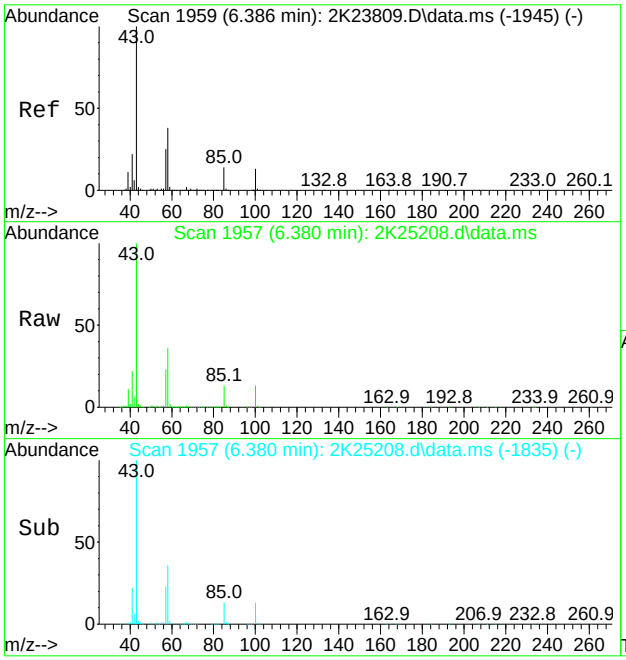


#69
cis-1,3-dichloropropene
Concen: 43.7416 ug/L
RT: 5.984 min Scan# 1834
Delta R.T. -0.007 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion: 75 Resp: 467271

Ion	Ratio	Lower	Upper
75	100		
77	30.3	2.1	62.1
39	59.9	30.1	90.1

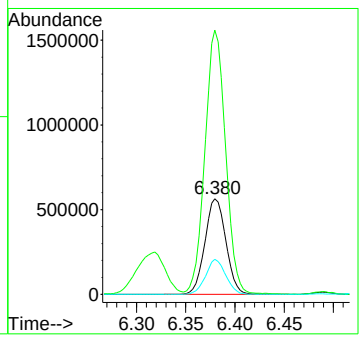


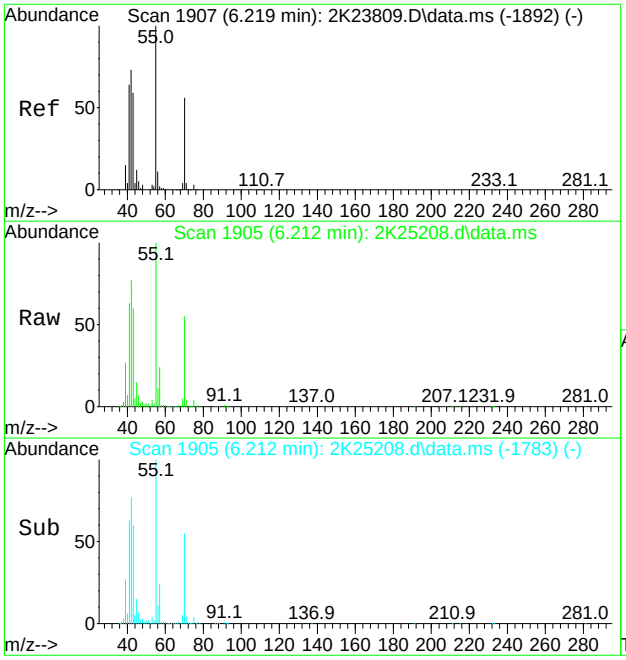


#70
4-methyl-2-pentanone
Concen: 183.8267 ug/L
RT: 6.380 min Scan# 1957
Delta R.T. -0.006 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion: 58 Resp: 838210

Ion	Ratio	Lower	Upper
58	100		
43	275.9	244.4	304.4
100	36.6	4.8	64.8

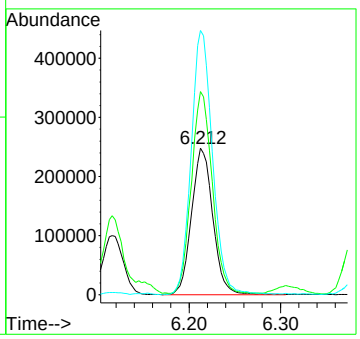


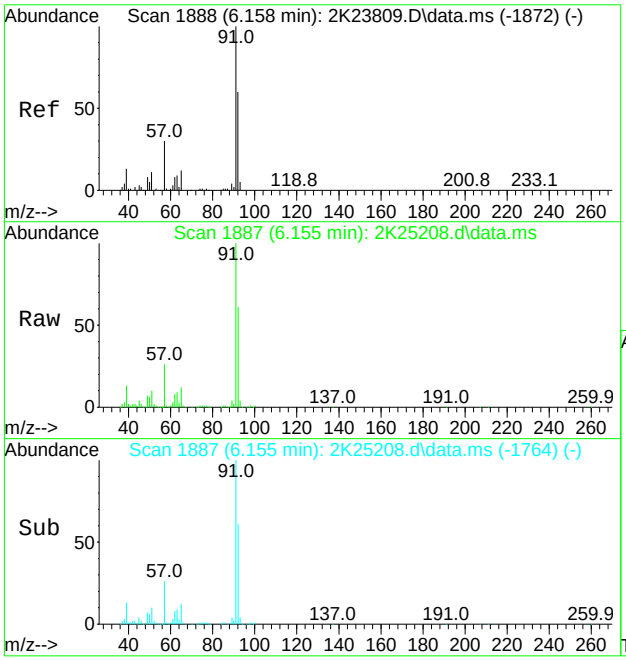


#71
3-methyl-1-butanol
Concen: 926.6198 ug/L
RT: 6.212 min Scan# 1905
Delta R.T. -0.007 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion: 70 Resp: 402208

Ion	Ratio	Lower	Upper
70	100		
42	137.7	100.5	160.5
55	180.6	148.8	208.8

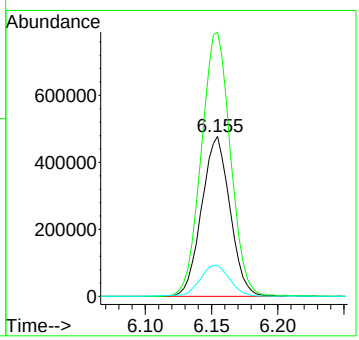


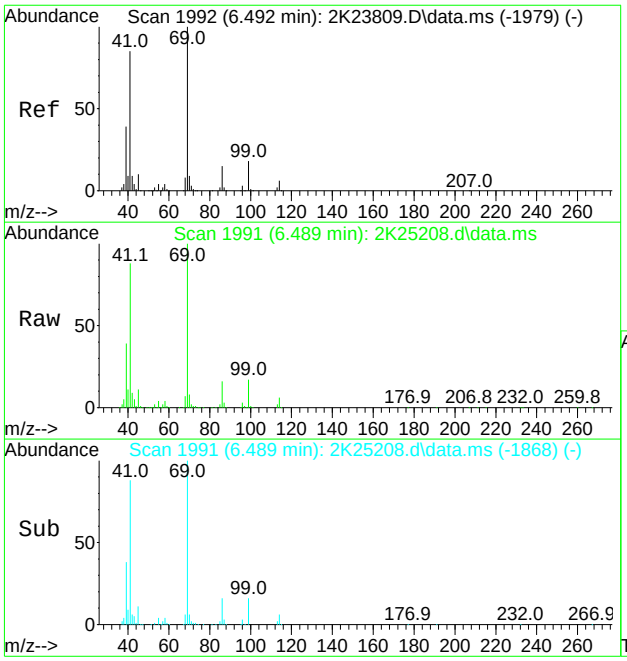


#74
toluene
Concen: 45.5565 ug/L
RT: 6.155 min Scan# 1887
Delta R.T. -0.003 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion: 92 Resp: 710551

Ion	Ratio	Lower	Upper
92	100		
91	165.1	145.9	185.9
65	19.4	0.5	40.5

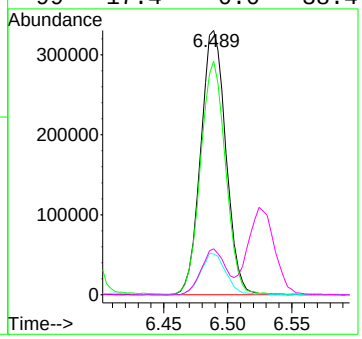


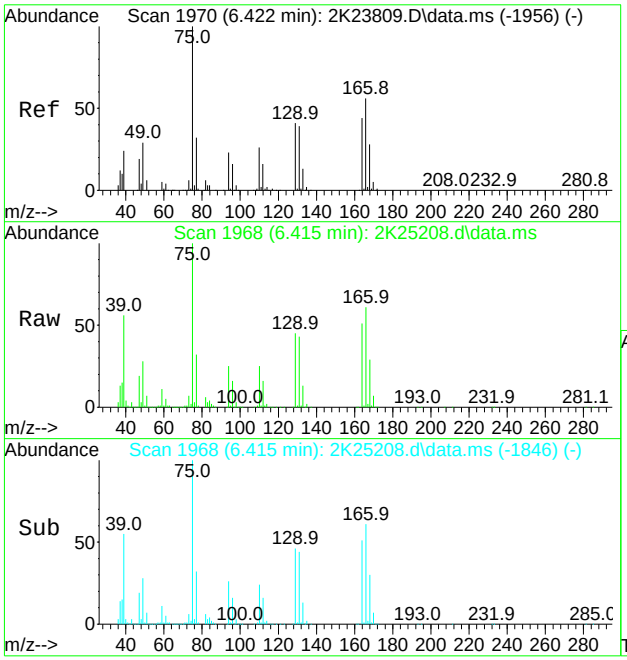


#75
ethyl methacrylate
Concen: 46.2828 ug/L
RT: 6.489 min Scan# 1991
Delta R.T. -0.003 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion: 69 Resp: 452038

Ion	Ratio	Lower	Upper
69	100		
41	88.1	65.3	105.3
86	15.5	0.0	34.6
99	17.4	0.0	38.4

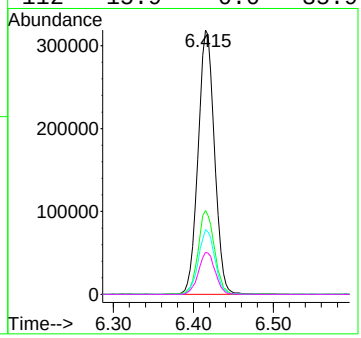


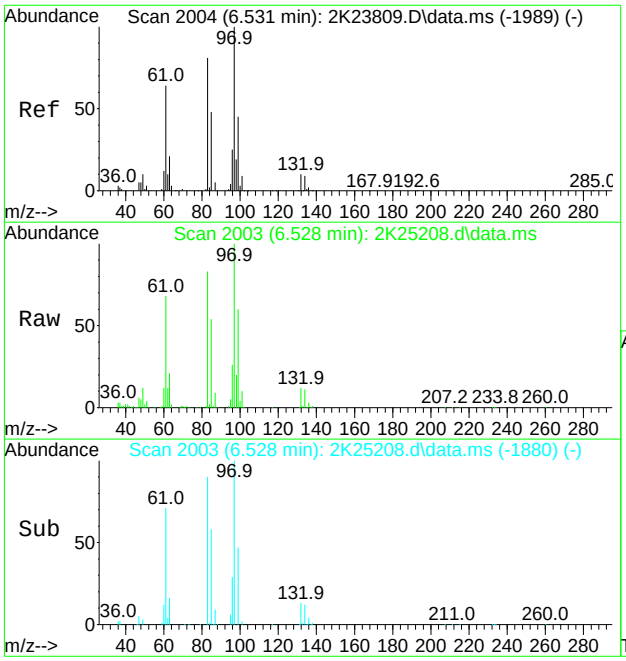


#76
trans-1,3-dichloropropene
Concen: 44.2420 ug/L
RT: 6.415 min Scan# 1968
Delta R.T. -0.007 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion: 75 Resp: 454348

Ion	Ratio	Lower	Upper
75	100		
77	31.6	12.2	52.2
110	24.5	5.7	45.7
112	15.9	0.0	35.9

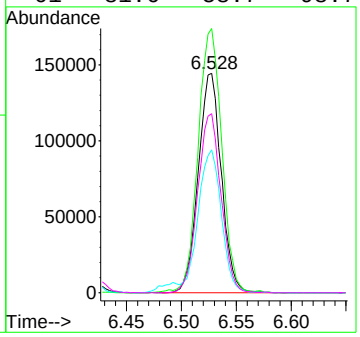


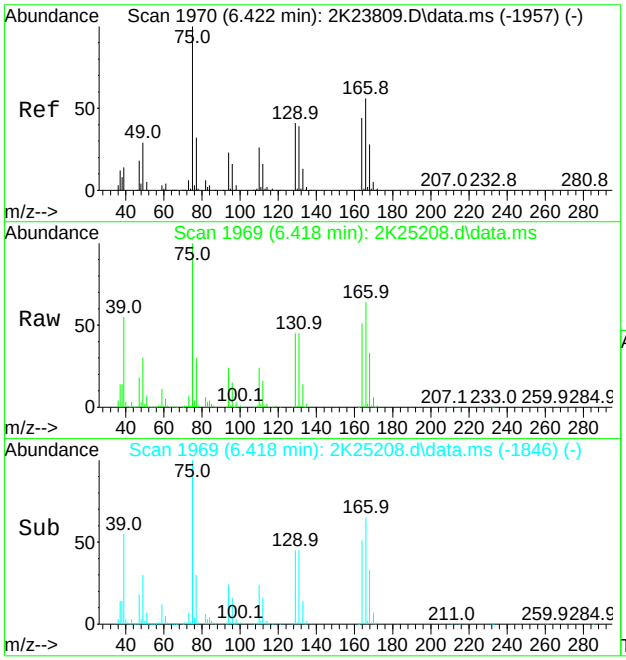


#77
1,1,2-trichloroethane
Concen: 44.5030 ug/L
RT: 6.528 min Scan# 2003
Delta R.T. -0.003 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion: 83 Resp: 210725

Ion	Ratio	Lower	Upper
83	100		
97	120.5	103.4	143.4
85	65.1	40.7	80.7
61	81.6	58.7	98.7

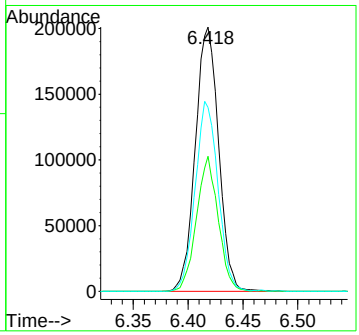


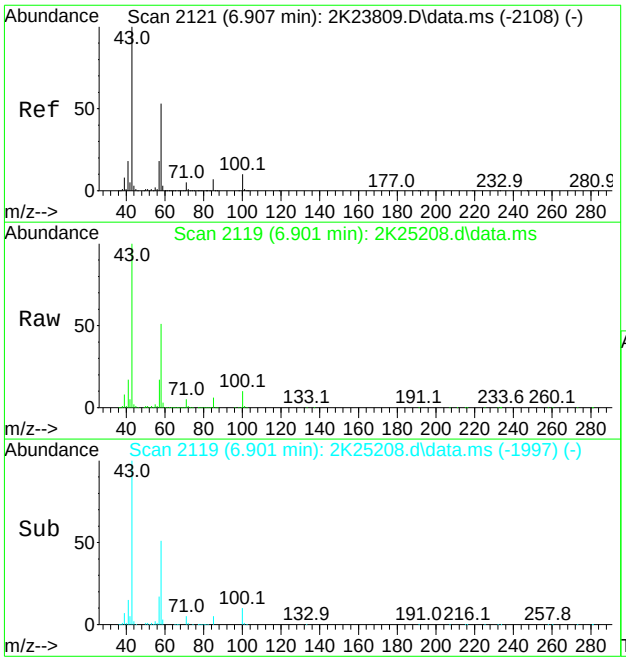


#78
tetrachloroethene
Concen: 49.8441 ug/L
RT: 6.418 min Scan# 1969
Delta R.T. -0.004 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion:166 Resp: 297772

Ion	Ratio	Lower	Upper
166	100		
168	51.1	19.1	79.1
129	69.5	42.7	102.7

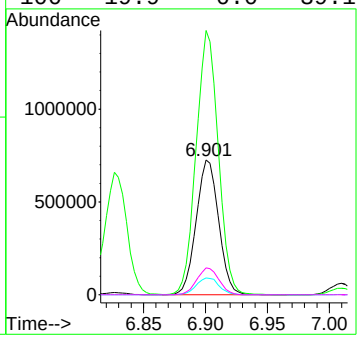


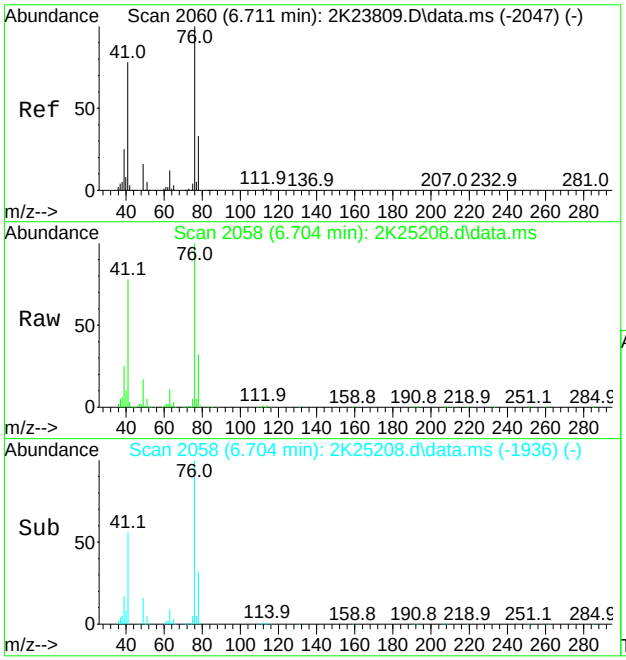


#79
2-hexanone
Concen: 187.4263 ug/L
RT: 6.901 min Scan# 2119
Delta R.T. -0.006 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion: 58 Resp: 915508

Ion	Ratio	Lower	Upper
58	100		
43	196.0	168.9	208.9
85	12.5	0.0	33.1
100	19.9	0.0	39.1

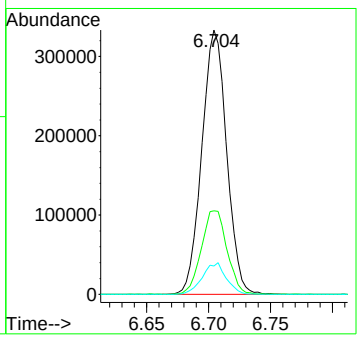


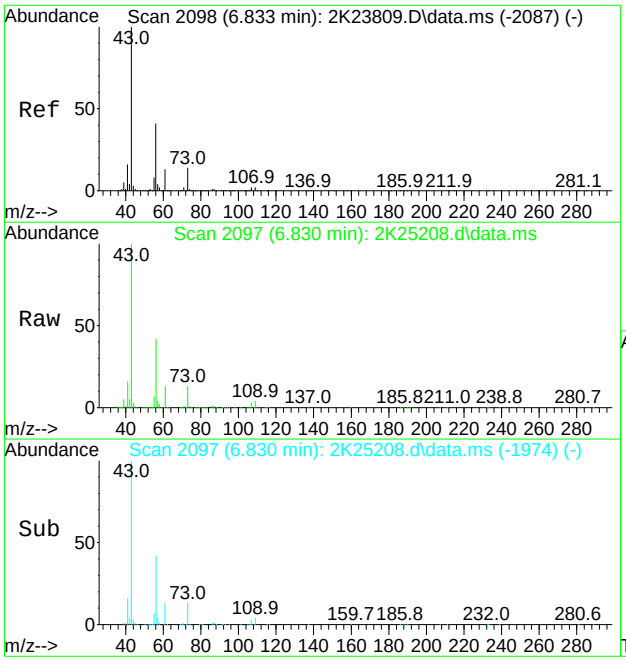


#80
1,3-dichloropropane
Concen: 45.0621 ug/L
RT: 6.704 min Scan# 2058
Delta R.T. -0.007 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion: 76 Resp: 464277

Ion	Ratio	Lower	Upper
76	100		
78	31.6	2.9	62.9
63	10.7	0.0	42.3

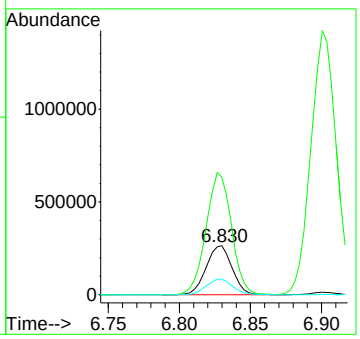


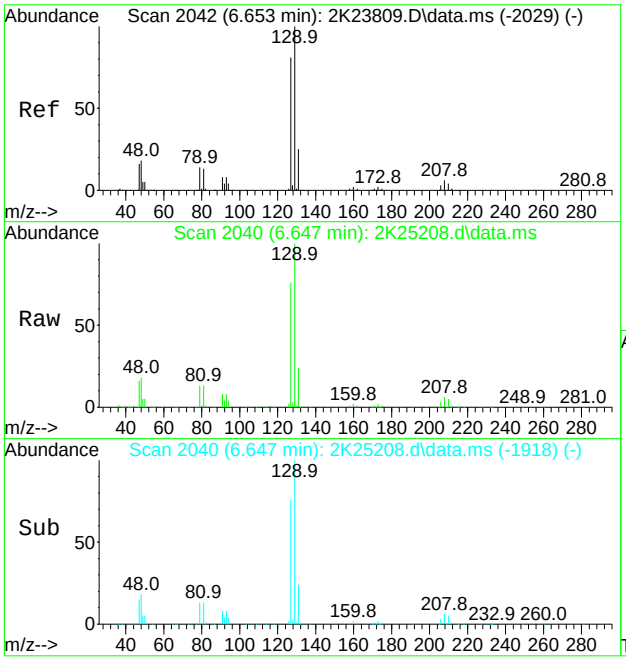


#81
butyl acetate
Concen: 46.8682 ug/L
RT: 6.830 min Scan# 2097
Delta R.T. -0.003 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion: 56 Resp: 334447

Ion	Ratio	Lower	Upper
56	100		
43	238.0	213.5	273.5
73	31.5	4.2	64.2

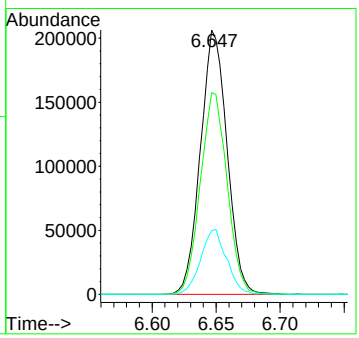


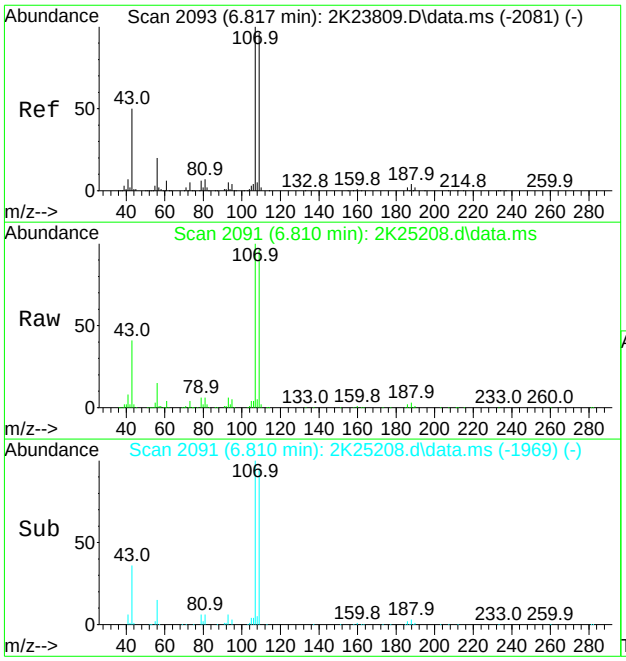


#82
dibromochloromethane
Concen: 48.7053 ug/L
RT: 6.647 min Scan# 2040
Delta R.T. -0.006 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion:129 Resp: 298793

Ion	Ratio	Lower	Upper
129	100		
127	76.3	50.8	110.8
131	24.1	0.0	55.3

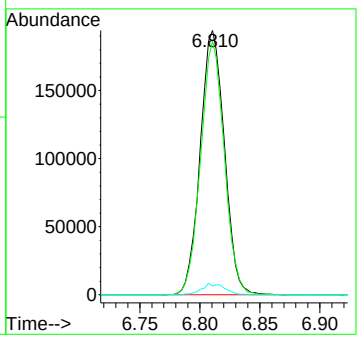


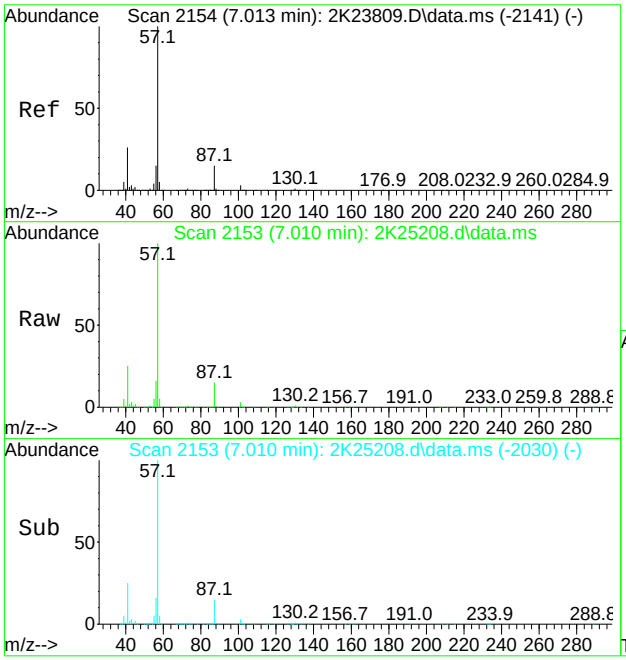


#83
1,2-dibromoethane
Concen: 47.1906 ug/L
RT: 6.810 min Scan# 2091
Delta R.T. -0.007 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion:107 Resp: 272023

Ion	Ratio	Lower	Upper
107	100		
109	95.9	65.7	125.7
188	3.3	0.0	33.6

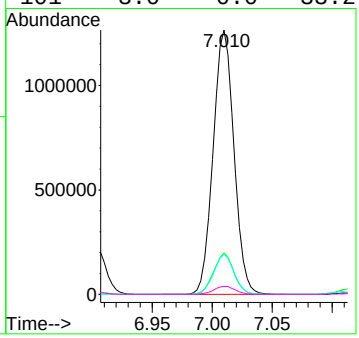


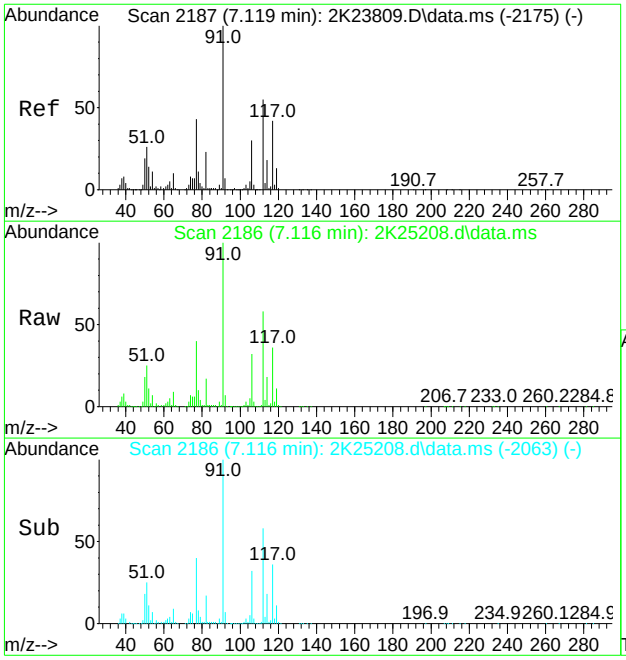


#84
n-butyl ether
Concen: 46.7237 ug/L
RT: 7.010 min Scan# 2153
Delta R.T. -0.003 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion: 57 Resp: 1526342

Ion	Ratio	Lower	Upper
57	100		
56	15.7	0.0	45.2
87	15.1	0.0	45.0
101	3.0	0.0	33.2

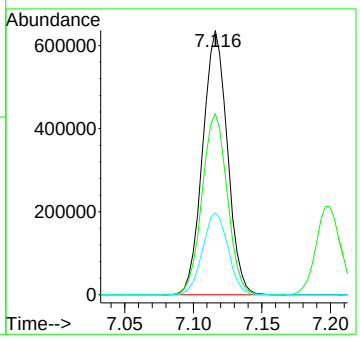


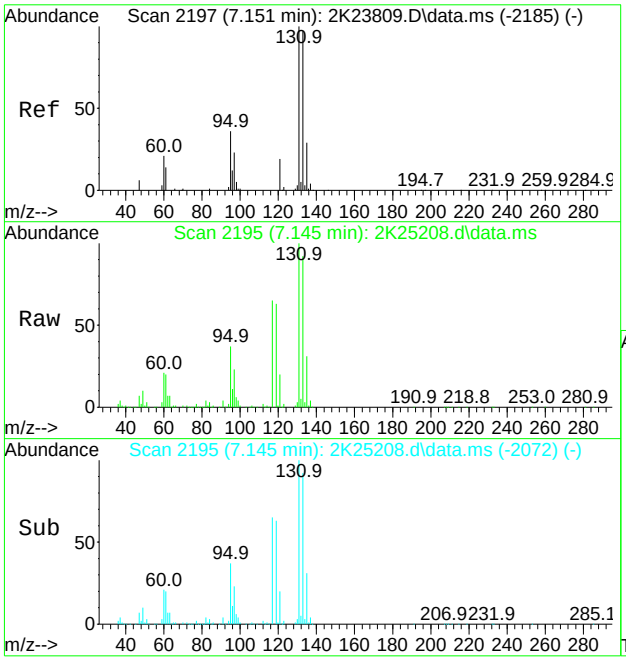


#85
chlorobenzene
Concen: 49.1212 ug/L
RT: 7.116 min Scan# 2186
Delta R.T. -0.003 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion:112 Resp: 796914

Ion	Ratio	Lower	Upper
112	100		
77	68.5	49.5	109.5
114	31.1	2.1	62.1

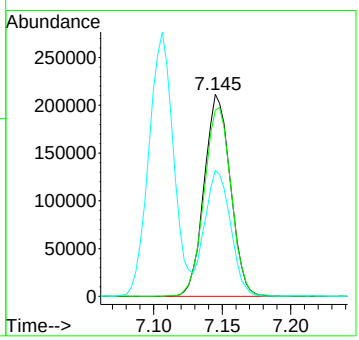


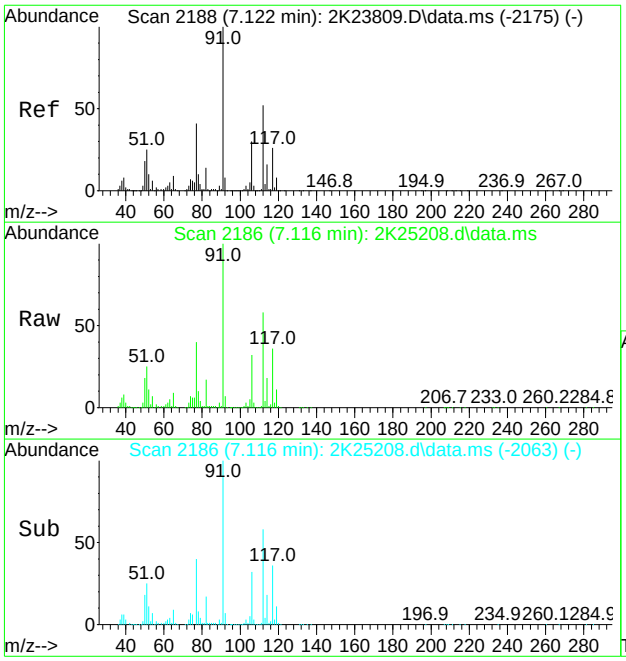


#86
1,1,1,2-tetrachloroethane
Concen: 48.7539 ug/L
RT: 7.145 min Scan# 2195
Delta R.T. -0.006 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion:131 Resp: 281265

Ion	Ratio	Lower	Upper
131	100		
133	92.2	66.7	126.7
119	62.3	31.1	91.1

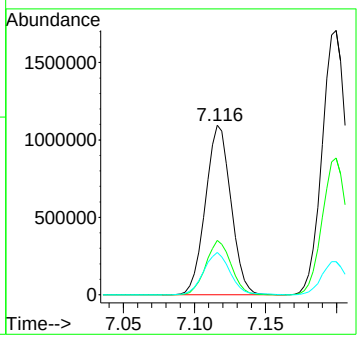


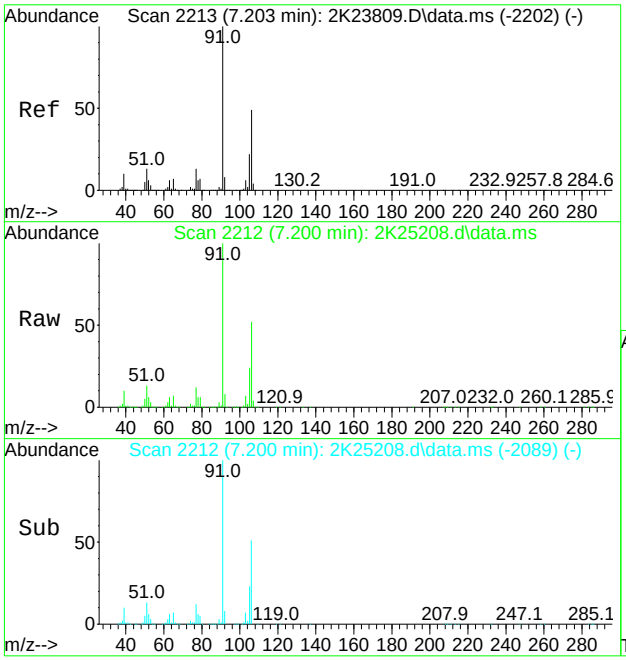


#87
ethylbenzene
Concen: 45.7212 ug/L
RT: 7.116 min Scan# 2186
Delta R.T. -0.006 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion: 91 Resp: 1363973

Ion	Ratio	Lower	Upper
91	100		
106	32.1	0.3	60.3
51	24.9	0.0	55.4

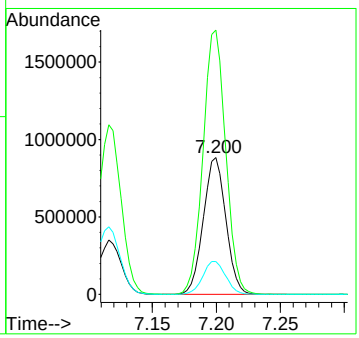


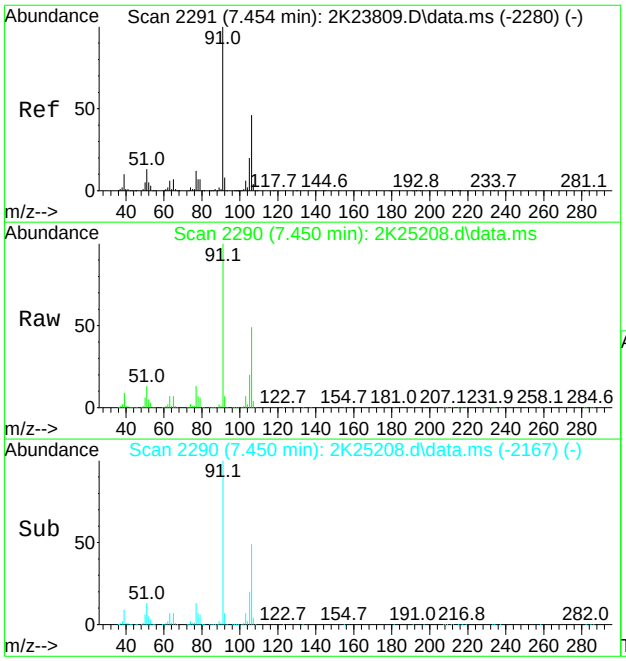


#88
m,p-xylene
Concen: 98.8965 ug/L
RT: 7.200 min Scan# 2212
Delta R.T. -0.003 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion:106 Resp: 1081865

Ion	Ratio	Lower	Upper
106	100		
91	193.2	173.5	233.5
77	23.9	7.0	47.0

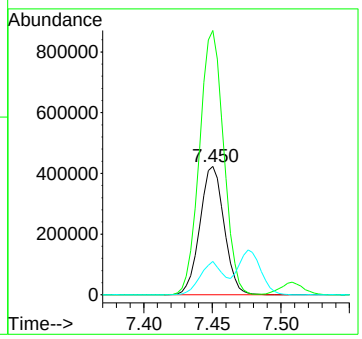


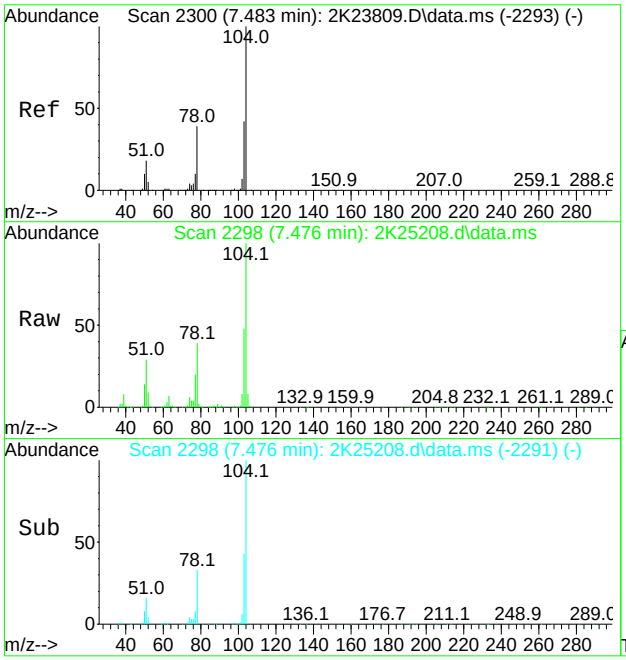


#89
o-xylene
Concen: 48.7791 ug/L
RT: 7.450 min Scan# 2290
Delta R.T. -0.004 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion:106 Resp: 519019

Ion	Ratio	Lower	Upper
106	100		
91	205.9	186.3	246.3
77	25.9	6.7	46.7

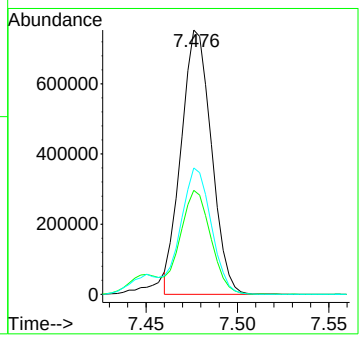


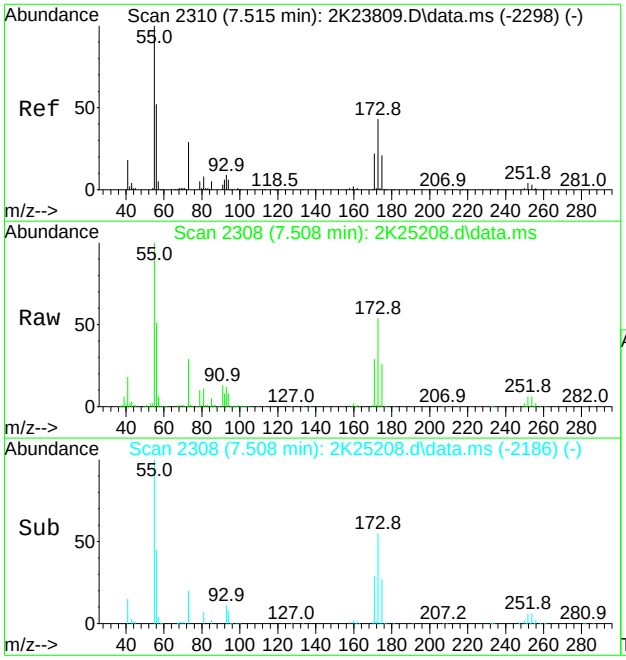


#90
styrene
Concen: 47.8193 ug/L
RT: 7.476 min Scan# 2298
Delta R.T. -0.007 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion:104 Resp: 864208

Ion	Ratio	Lower	Upper
104	100		
78	39.2	14.3	74.3
103	47.7	17.0	77.0

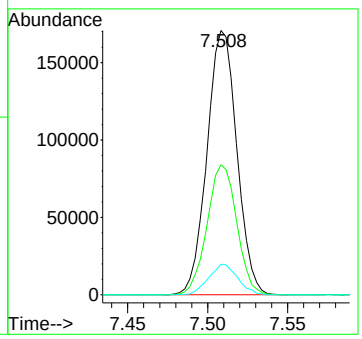


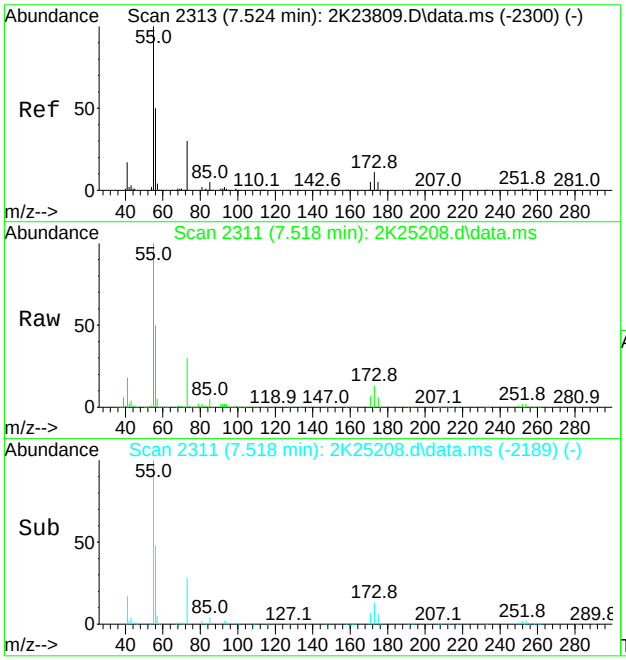


#91
bromoform
Concen: 45.3525 ug/L
RT: 7.508 min Scan# 2308
Delta R.T. -0.007 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion:173 Resp: 221500

Ion	Ratio	Lower	Upper
173	100		
175	49.2	18.6	78.6
254	11.6	0.0	37.9

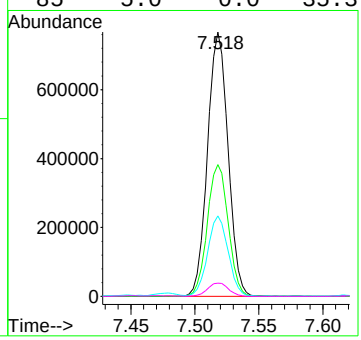


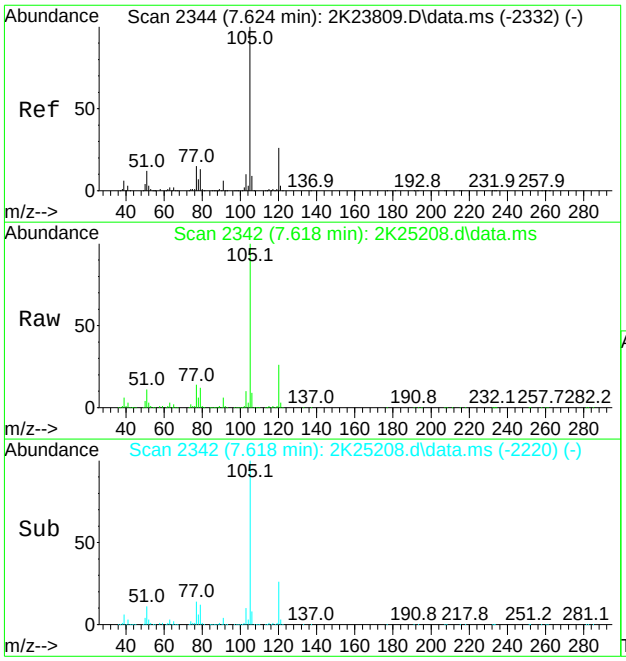


#92
butyl acrylate
Concen: 46.9172 ug/L
RT: 7.518 min Scan# 2311
Delta R.T. -0.006 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion: 55 Resp: 857403

Ion	Ratio	Lower	Upper
55	100		
56	49.8	20.5	80.5
73	30.2	0.7	60.7
85	5.0	0.0	35.3

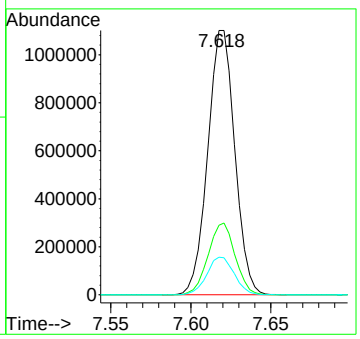


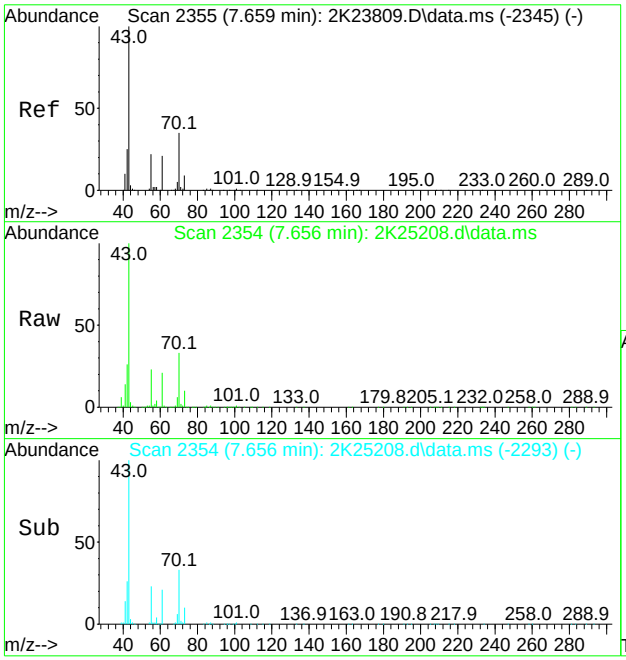


#93
isopropylbenzene
Concen: 48.9695 ug/L
RT: 7.618 min Scan# 2342
Delta R.T. -0.006 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion:105 Resp: 1295272

Ion	Ratio	Lower	Upper
105	100		
120	26.3	6.4	46.4
77	14.2	0.0	35.1

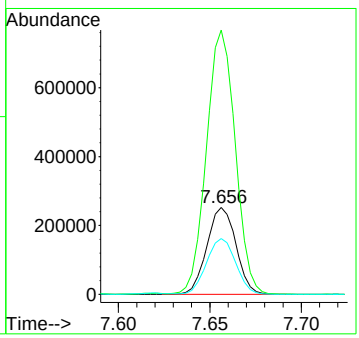


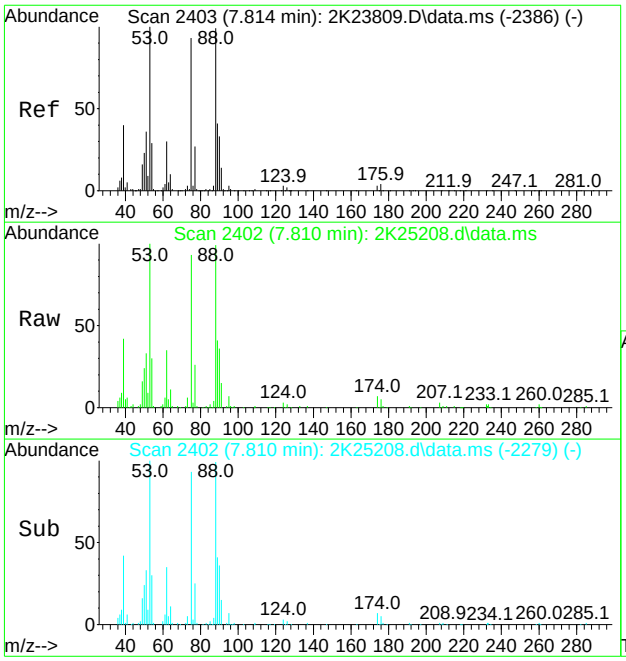


#94
n-amyl acetate
Concen: 47.4372 ug/L
RT: 7.656 min Scan# 2354
Delta R.T. -0.003 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion: 70 Resp: 279125

Ion	Ratio	Lower	Upper
70	100		
43	303.9	265.5	305.5
61	64.2	41.9	81.9

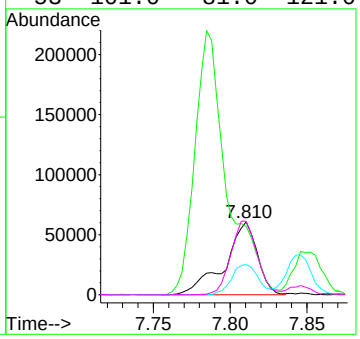


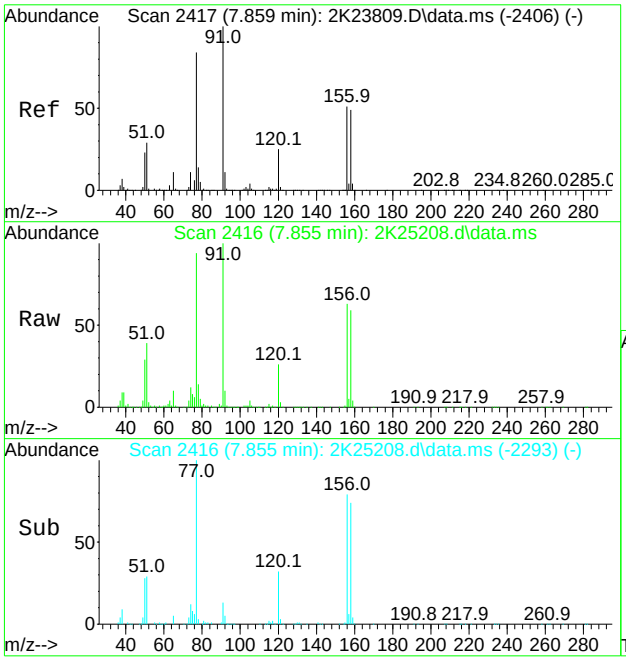


#95
cis-1,4-dichloro-2-butene
Concen: 21.2701 ug/L
RT: 7.810 min Scan# 2402
Delta R.T. -0.004 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion: 88 Resp: 89866

Ion	Ratio	Lower	Upper
88	100		
75	93.9	73.7	113.7
89	41.1	20.9	60.9
53	101.0	81.0	121.0

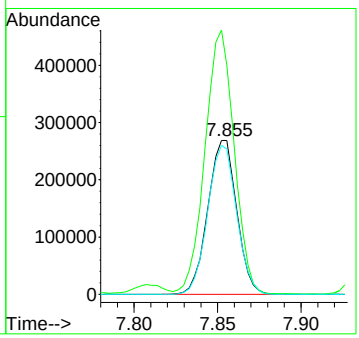


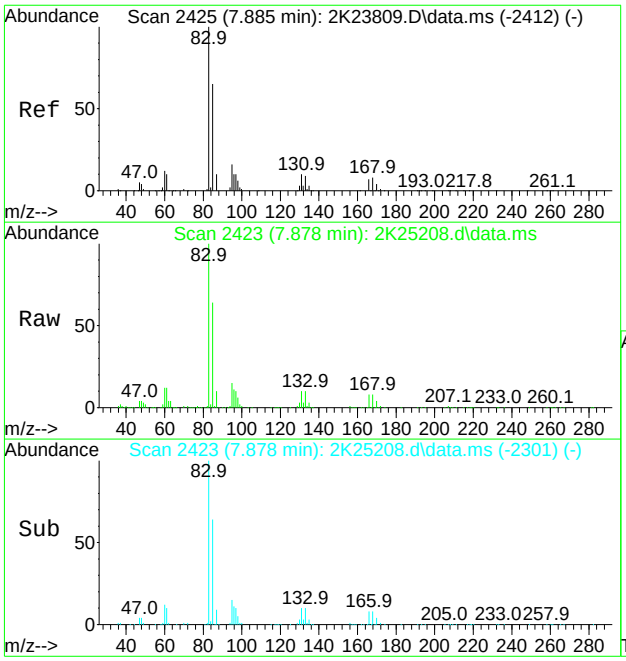


#98
bromobenzene
Concen: 45.2836 ug/L
RT: 7.855 min Scan# 2416
Delta R.T. -0.004 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion:156 Resp: 323524

Ion	Ratio	Lower	Upper
156	100		
77	148.3	144.3	204.3
158	94.2	66.5	126.5

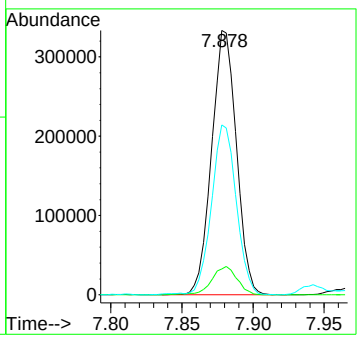


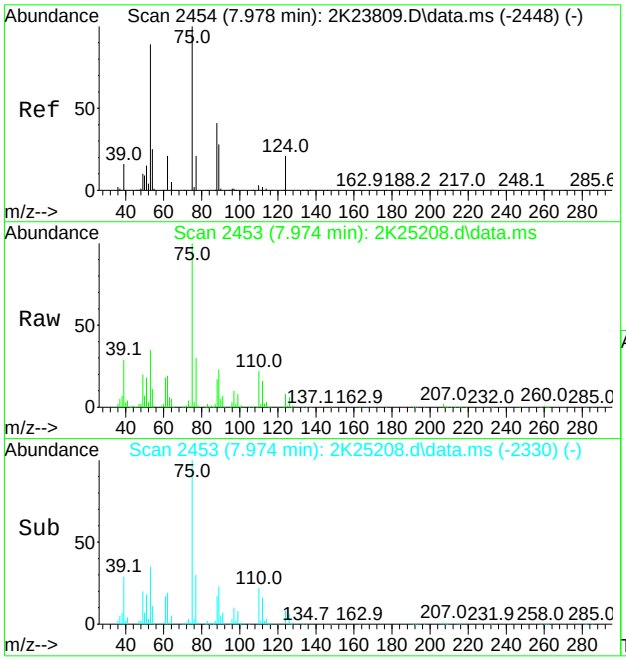


#99
1,1,2,2-tetrachloroethane
Concen: 43.7002 ug/L
RT: 7.878 min Scan# 2423
Delta R.T. -0.007 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion: 83 Resp: 403787

Ion	Ratio	Lower	Upper
83	100		
131	9.8	0.0	40.0
85	64.1	35.3	95.3

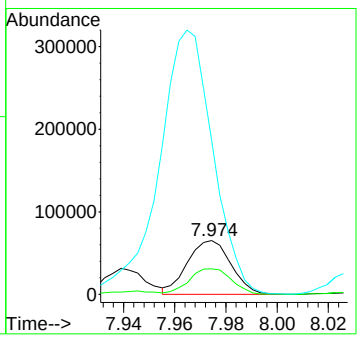


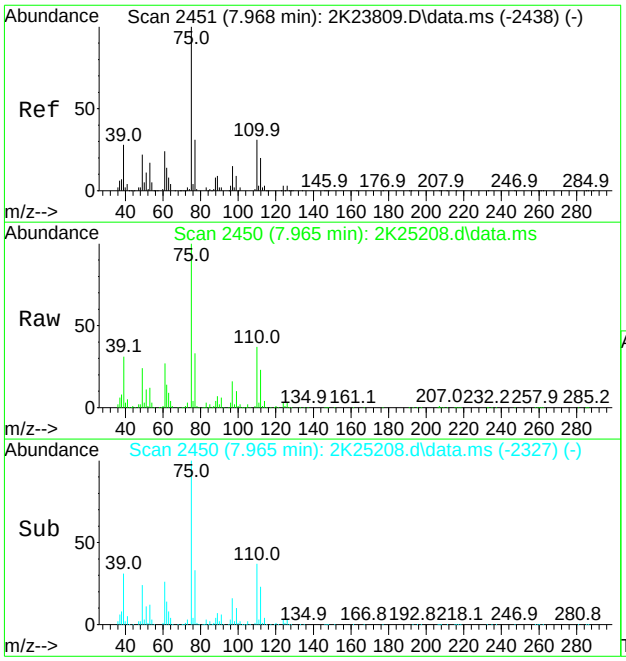


#100
trans-1,4-dichloro-2-butene
Concen: 18.2630 ug/L
RT: 7.974 min Scan# 2453
Delta R.T. -0.004 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion: 53 Resp: 77317

Ion	Ratio	Lower	Upper
53	100		
88	47.4	15.2	75.2
75	285.1	166.9	226.9#

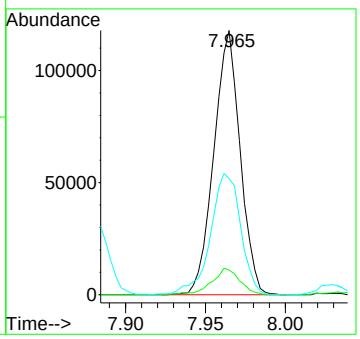


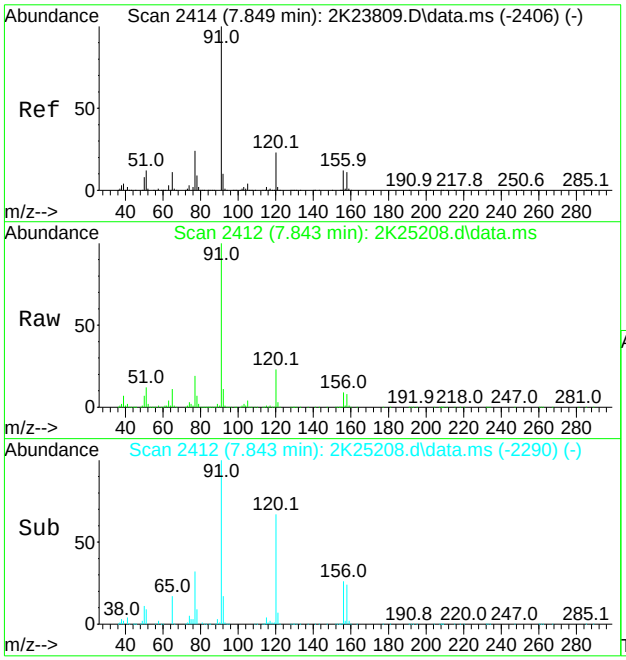


#101
1,2,3-trichloropropane
Concen: 43.1238 ug/L
RT: 7.965 min Scan# 2450
Delta R.T. -0.003 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion:110 Resp: 134926

Ion	Ratio	Lower	Upper
110	100		
111	9.4	0.0	39.3
97	43.9	17.7	77.7

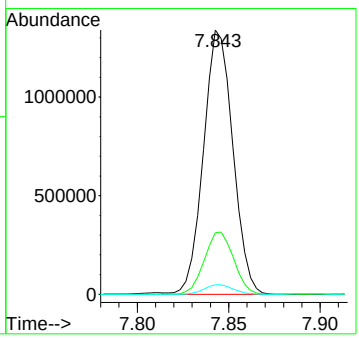


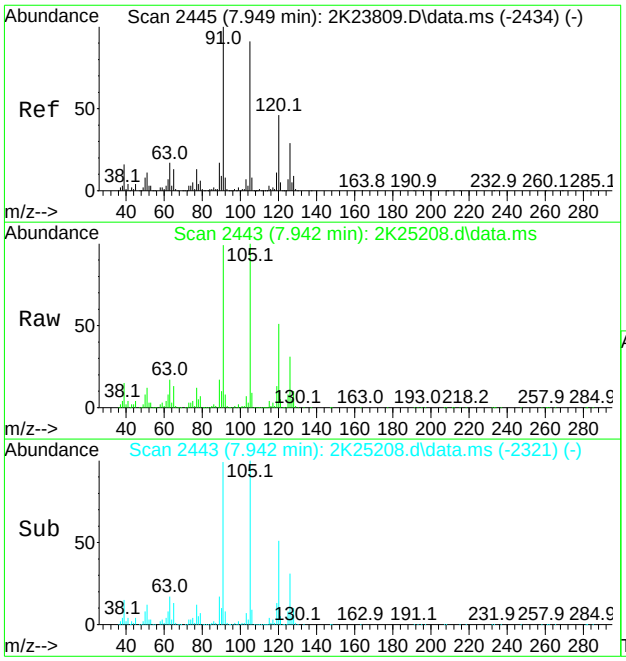


#102
n-propylbenzene
Concen: 45.5933 ug/L
RT: 7.843 min Scan# 2412
Delta R.T. -0.006 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion: 91 Resp: 1494556

Ion	Ratio	Lower	Upper
91	100		
120	23.4	0.0	52.7
105	3.6	0.0	34.0

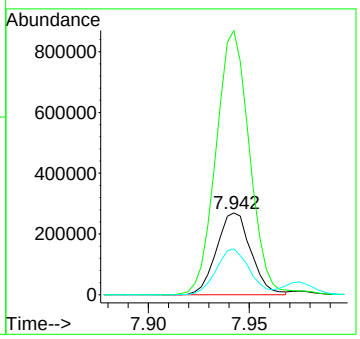


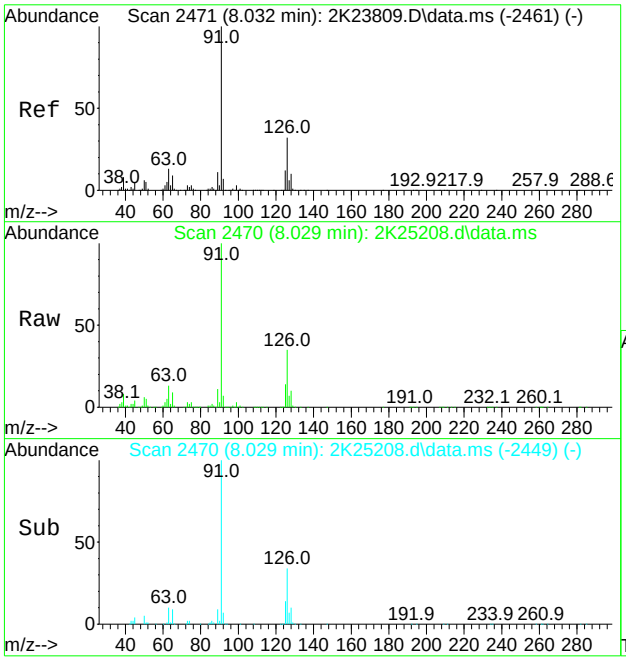


#103
2-chlorotoluene
Concen: 47.5122 ug/L
RT: 7.942 min Scan# 2443
Delta R.T. -0.007 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion:126 Resp: 318513

Ion	Ratio	Lower	Upper
126	100		
91	322.8	309.9	369.9
89	56.0	27.7	87.7

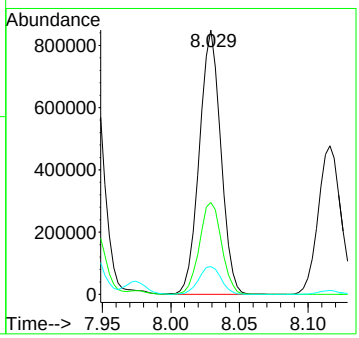


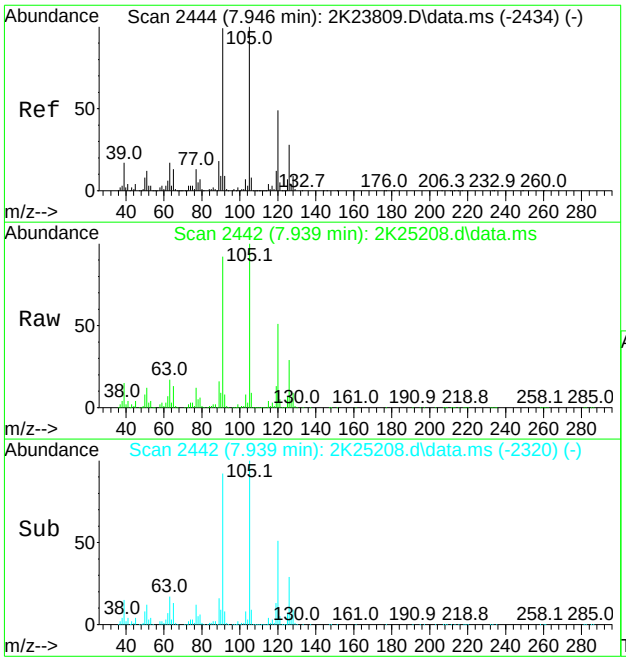


#104
4-chlorotoluene
Concen: 42.9312 ug/L
RT: 8.029 min Scan# 2470
Delta R.T. -0.003 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion: 91 Resp: 921953

Ion	Ratio	Lower	Upper
91	100		
126	34.8	1.8	61.8
89	10.5	0.0	41.0

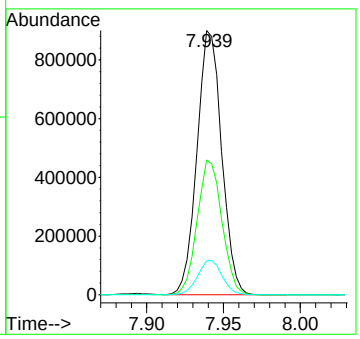


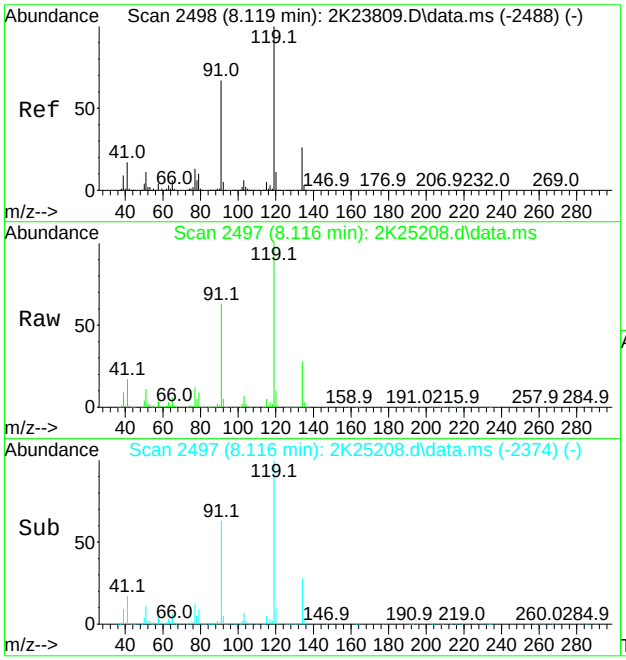


#105
1,3,5-trimethylbenzene
Concen: 44.9309 ug/L
RT: 7.939 min Scan# 2442
Delta R.T. -0.007 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion:105 Resp: 1006189

Ion	Ratio	Lower	Upper
105	100		
120	51.0	19.0	79.0
119	12.8	0.0	42.0

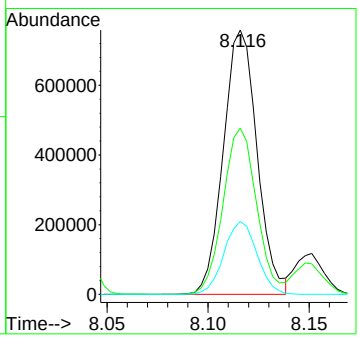


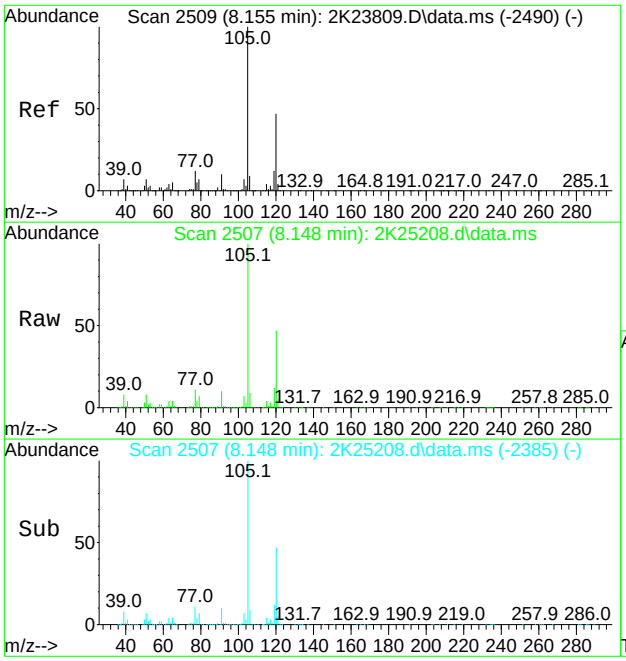


#106
tert-butylbenzene
Concen: 45.9019 ug/L
RT: 8.116 min Scan# 2497
Delta R.T. -0.003 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion:119 Resp: 881633

Ion	Ratio	Lower	Upper
119	100		
91	62.8	37.4	97.4
134	27.6	0.0	55.8

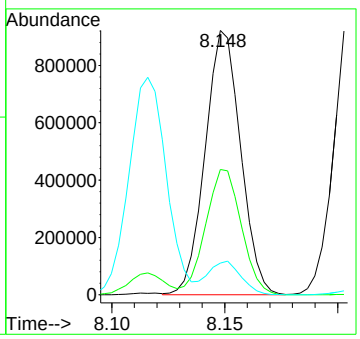


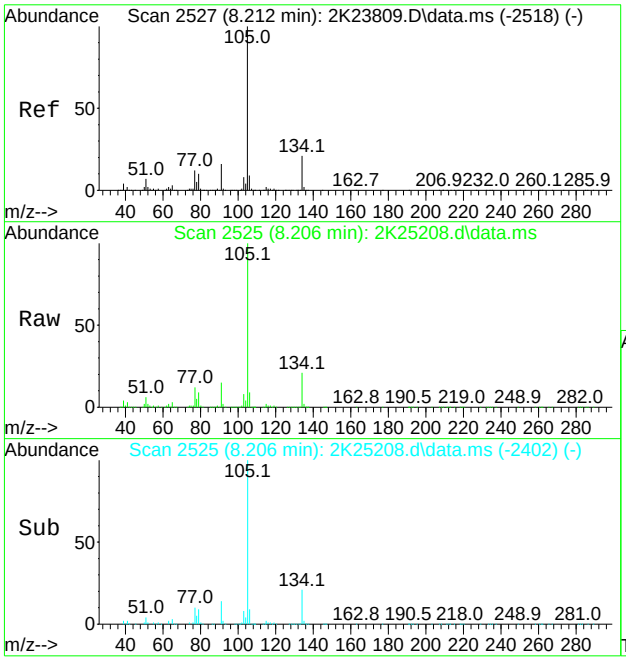


#107
1,2,4-trimethylbenzene
Concen: 45.1874 ug/L
RT: 8.148 min Scan# 2507
Delta R.T. -0.007 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion:105 Resp: 1004772

Ion	Ratio	Lower	Upper
105	100		
120	47.4	16.8	76.8
119	12.0	0.0	42.0

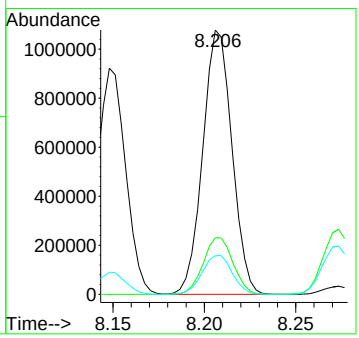


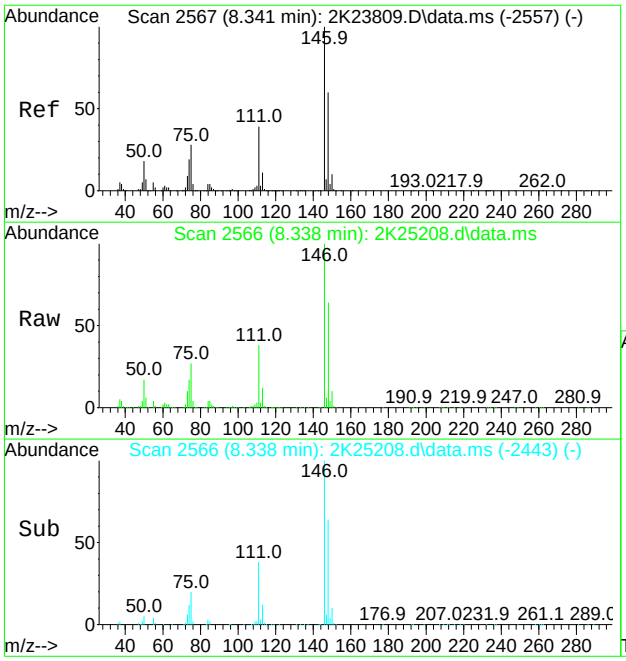


#108
sec-butylbenzene
Concen: 47.1962 ug/L
RT: 8.206 min Scan# 2525
Delta R.T. -0.006 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion:105 Resp: 1197395

Ion	Ratio	Lower	Upper
105	100		
134	21.4	0.0	51.4
91	14.6	0.0	45.7

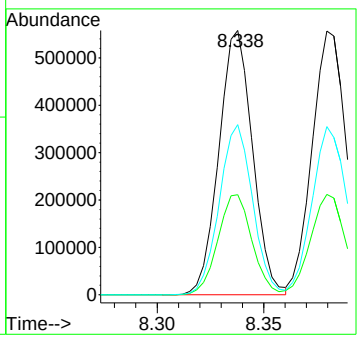


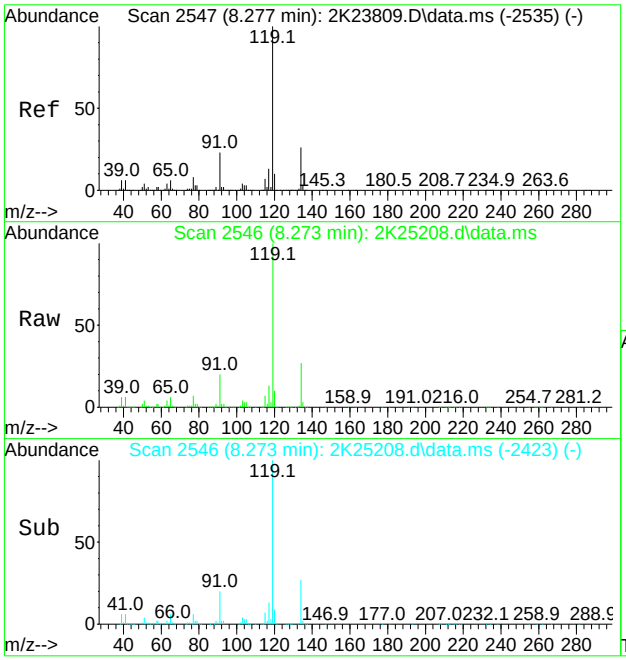


#109
1,3-dichlorobenzene
Concen: 46.4527 ug/L
RT: 8.338 min Scan# 2566
Delta R.T. -0.003 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion:146 Resp: 614520

Ion	Ratio	Lower	Upper
146	100		
111	37.9	8.6	68.6
148	64.4	29.8	89.8

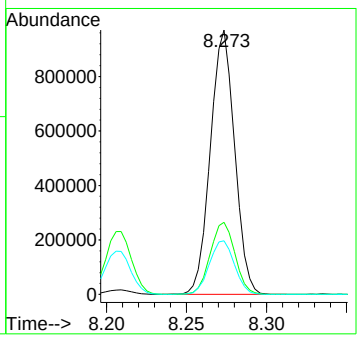


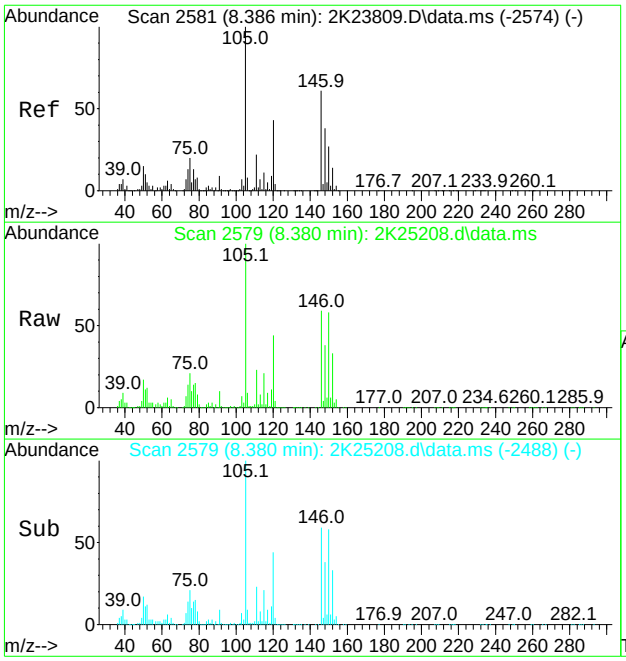


#110
p-isopropyltoluene
Concen: 46.3623 ug/L
RT: 8.273 min Scan# 2546
Delta R.T. -0.004 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion:119 Resp: 1025210

Ion	Ratio	Lower	Upper
119	100		
134	27.3	0.0	56.0
91	20.2	0.0	53.4

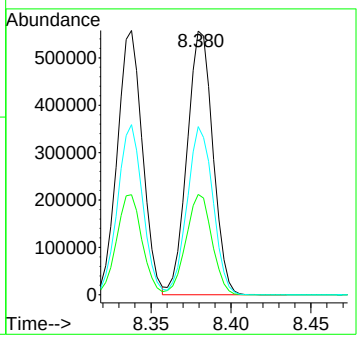


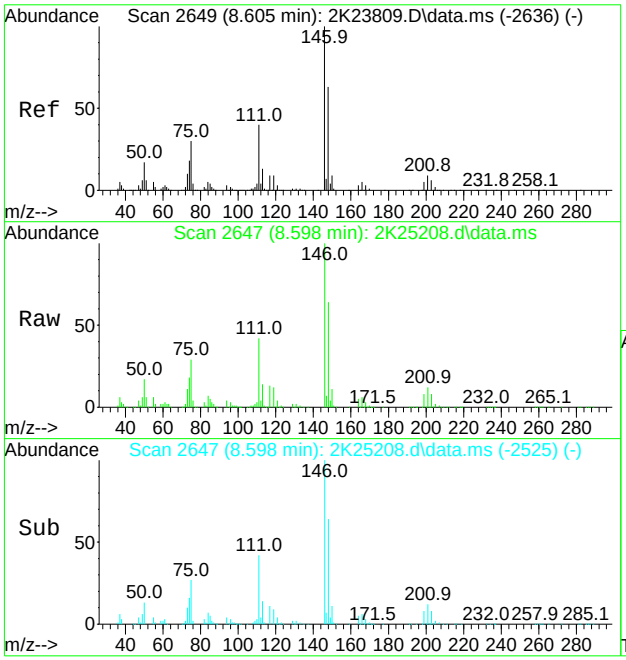


#111
1,4-dichlorobenzene
Concen: 47.4569 ug/L
RT: 8.380 min Scan# 2579
Delta R.T. -0.006 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion:146 Resp: 625892

Ion	Ratio	Lower	Upper
146	100		
111	38.1	6.3	66.3
148	63.7	32.9	92.9

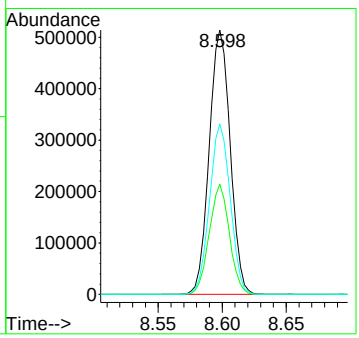


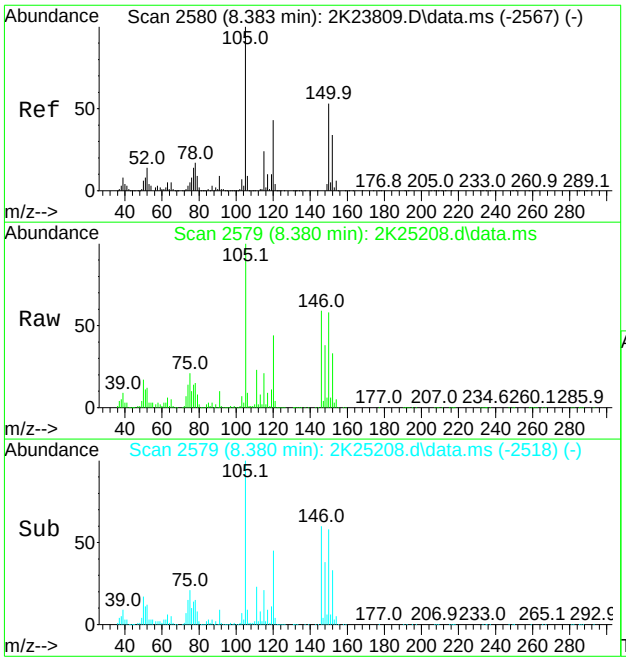


#112
1,2-dichlorobenzene
Concen: 46.5316 ug/L
RT: 8.598 min Scan# 2647
Delta R.T. -0.007 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion:146 Resp: 586492

Ion	Ratio	Lower	Upper
146	100		
111	41.7	10.0	70.0
148	64.5	33.3	93.3

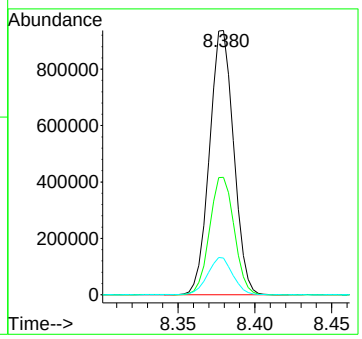


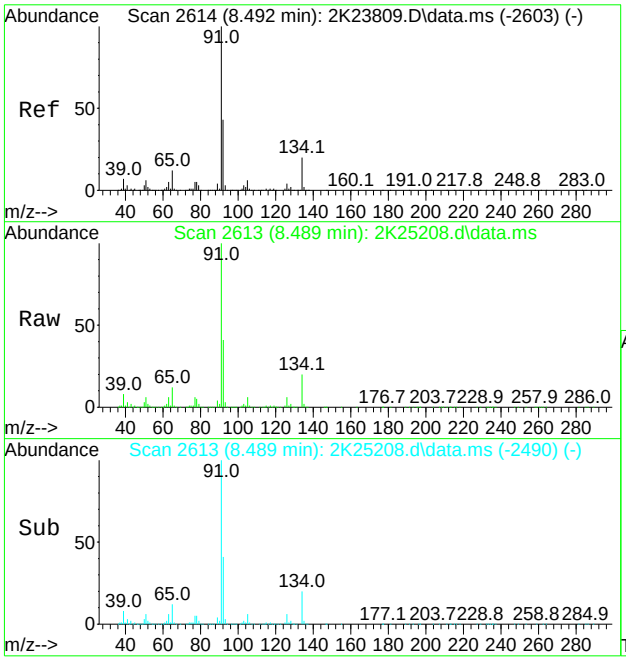


#113
1,2,3-trimethylbenzene
Concen: 44.3230 ug/L
RT: 8.380 min Scan# 2579
Delta R.T. -0.003 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion:105 Resp: 1028601

Ion	Ratio	Lower	Upper
105	100		
120	44.4	13.3	73.3
77	13.9	0.0	43.9

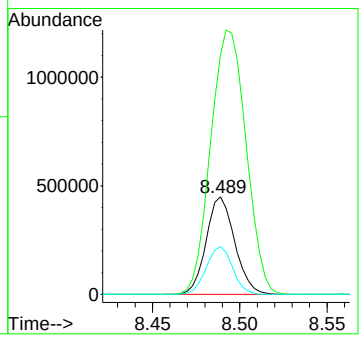


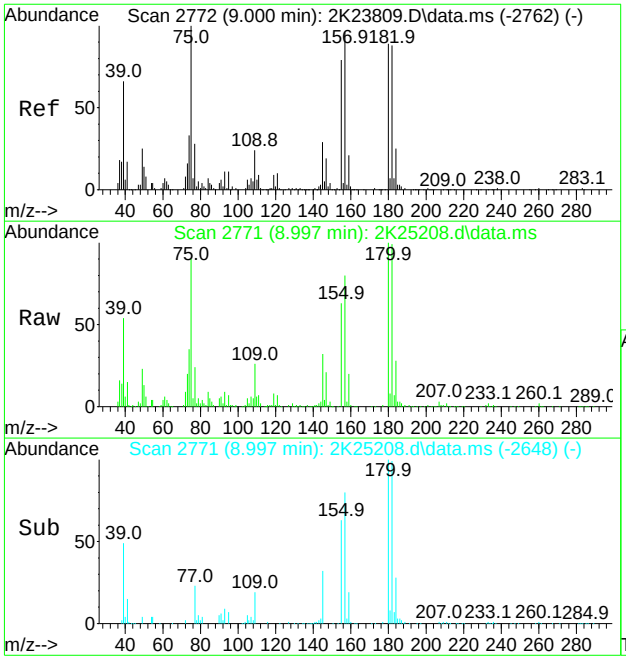


#114
n-butylbenzene
Concen: 46.4491 ug/L
RT: 8.489 min Scan# 2613
Delta R.T. -0.003 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion: 92 Resp: 511361

Ion	Ratio	Lower	Upper
92	100		
91	244.6	203.0	263.0
134	48.9	17.1	77.1

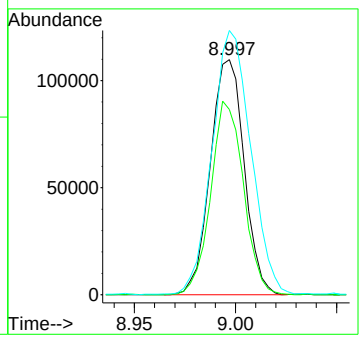


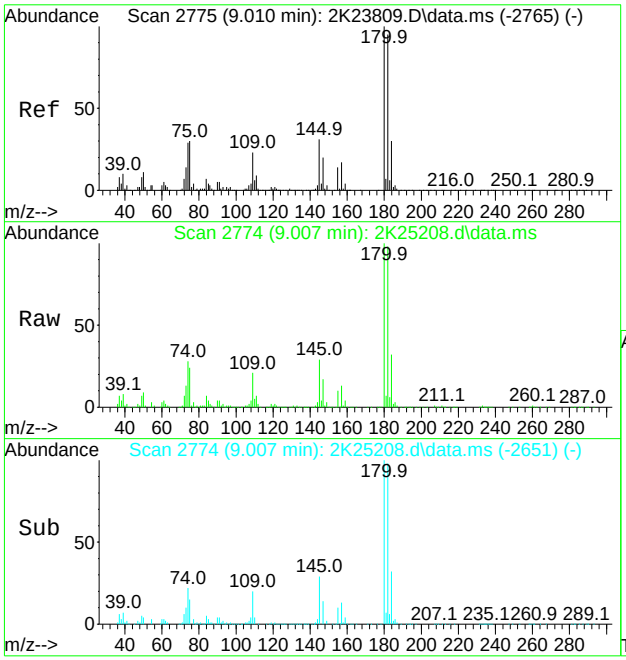


#115
1,2-dibromo-3-chloropropane
Concen: 44.3715 ug/L
RT: 8.997 min Scan# 2771
Delta R.T. -0.003 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion:157 Resp: 127570

Ion	Ratio	Lower	Upper
157	100		
155	78.7	52.3	112.3
75	112.0	74.2	134.2

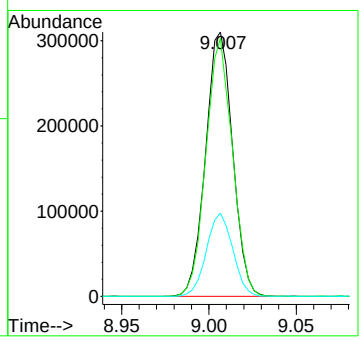


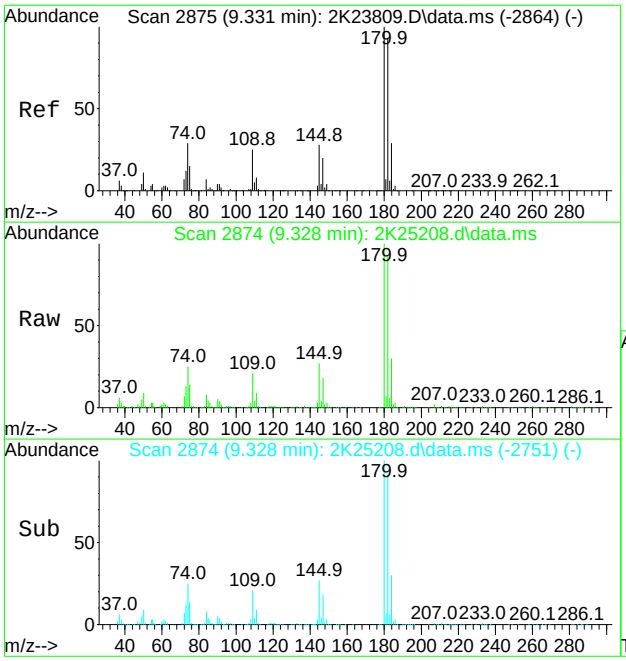


#116
1,3,5-trichlorobenzene
Concen: 46.2834 ug/L
RT: 9.007 min Scan# 2774
Delta R.T. -0.003 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion:180 Resp: 335378

Ion	Ratio	Lower	Upper
180	100		
182	97.5	74.7	114.7
184	31.5	9.9	49.9

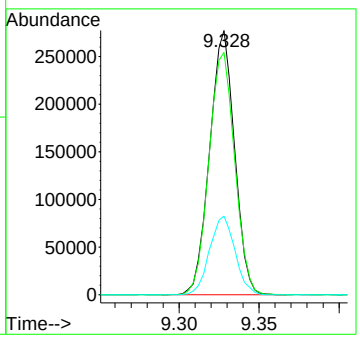


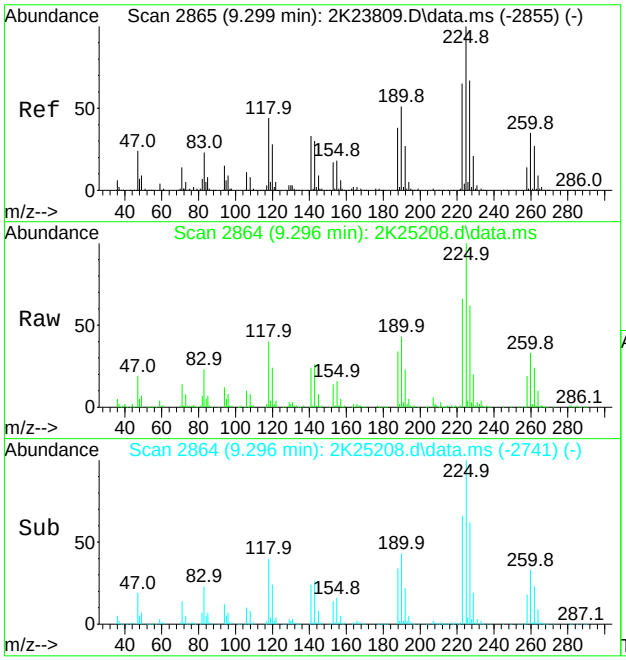


#117
1,2,4-trichlorobenzene
Concen: 47.1243 ug/L
RT: 9.328 min Scan# 2874
Delta R.T. -0.003 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion:180 Resp: 300012

Ion	Ratio	Lower	Upper
180	100		
182	91.7	63.0	123.0
184	29.8	0.0	59.0

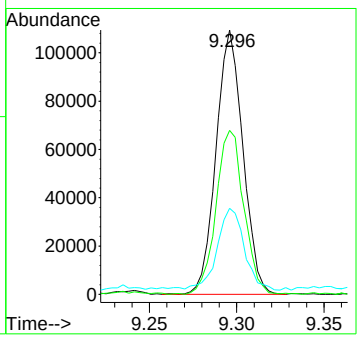


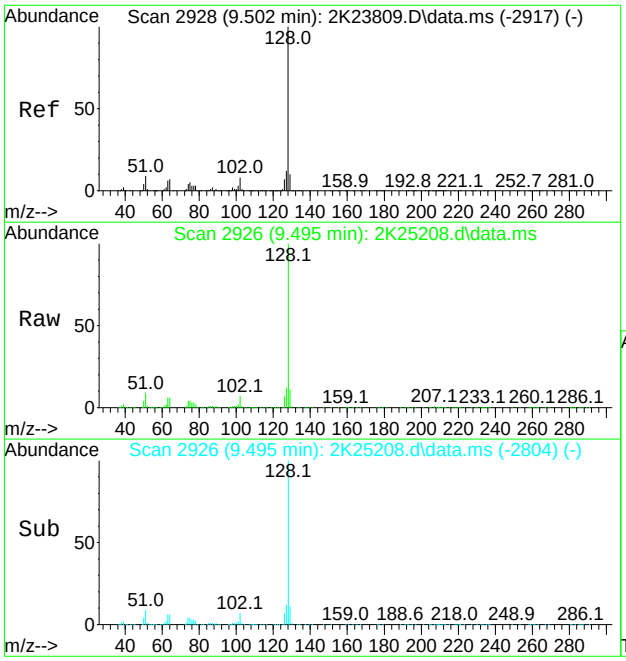


#118
hexachlorobutadiene
Concen: 50.0207 ug/L
RT: 9.296 min Scan# 2864
Delta R.T. -0.003 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion:225 Resp: 117359

Ion	Ratio	Lower	Upper
225	100		
227	61.6	36.8	96.8
260	30.0	5.2	65.2

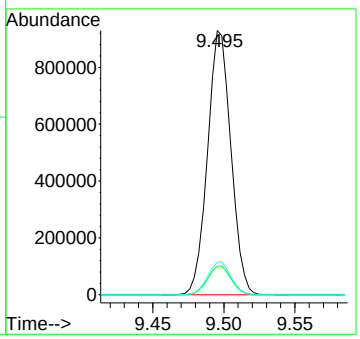


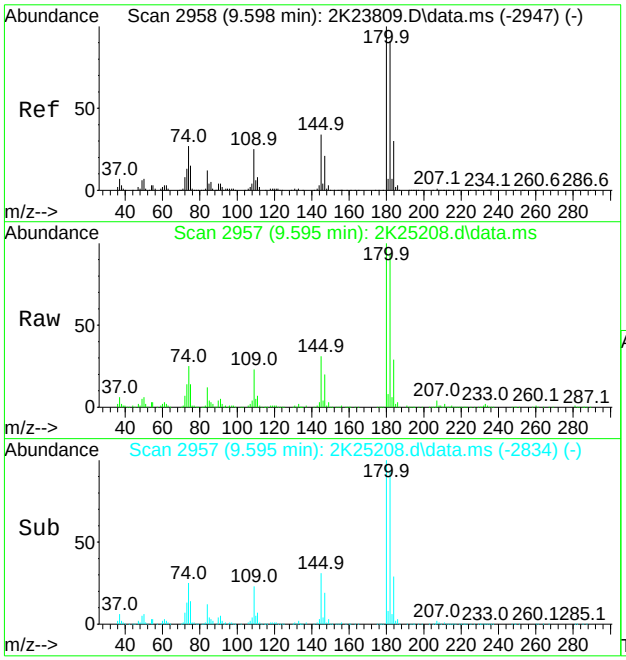


#119
naphthalene
Concen: 46.9459 ug/L
RT: 9.495 min Scan# 2926
Delta R.T. -0.007 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion:128 Resp: 1062917

Ion	Ratio	Lower	Upper
128	100		
129	10.8	0.0	40.4
127	12.3	0.0	42.1

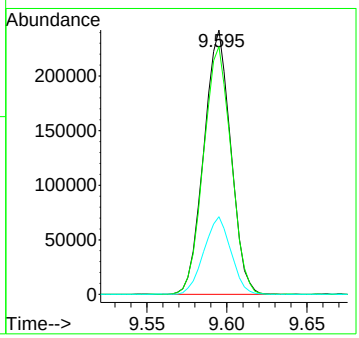


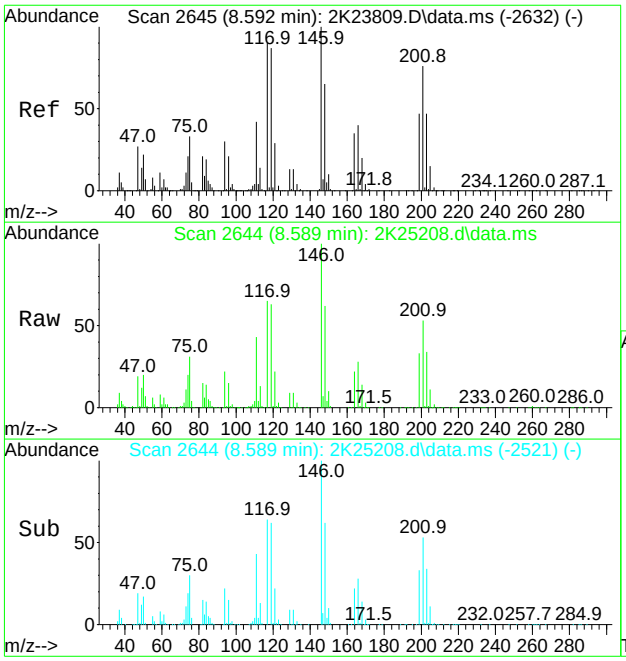


#120
1,2,3-trichlorobenzene
Concen: 46.8423 ug/L
RT: 9.595 min Scan# 2957
Delta R.T. -0.003 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion:180 Resp: 282917

Ion	Ratio	Lower	Upper
180	100		
182	93.7	60.8	120.8
184	29.4	0.3	60.3

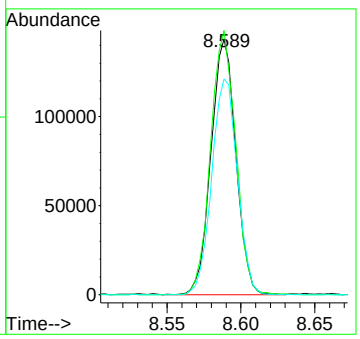


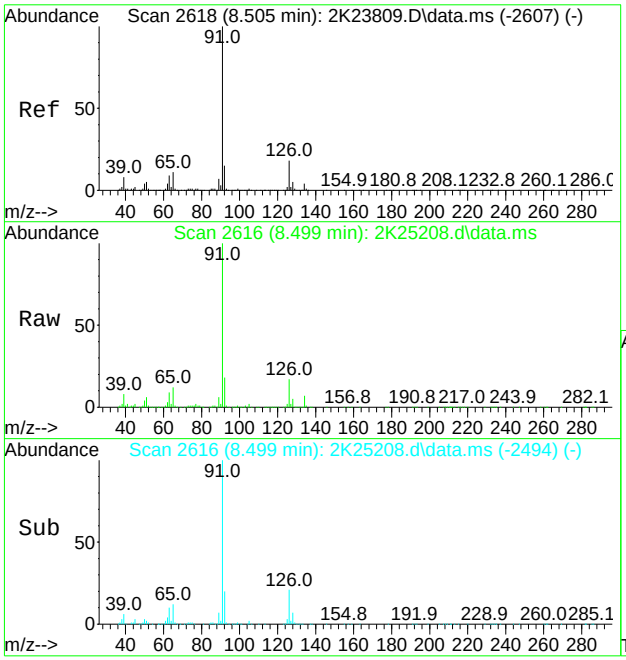


#121
hexachloroethane
Concen: 41.8222 ug/L
RT: 8.589 min Scan# 2644
Delta R.T. -0.003 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion:119 Resp: 167431

Ion	Ratio	Lower	Upper
119	100		
117	103.5	72.5	132.5
201	84.5	56.6	116.6

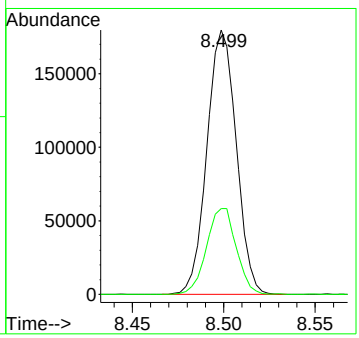


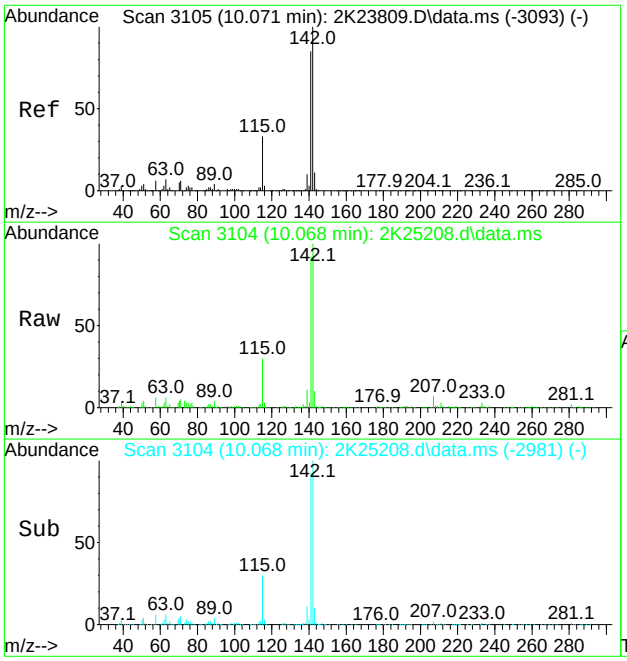


#122
benzyl chloride
Concen: 48.5630 ug/L
RT: 8.499 min Scan# 2616
Delta R.T. -0.006 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion:126 Resp: 201944

Ion	Ratio	Lower	Upper
126	100		
128	32.5	1.1	61.1

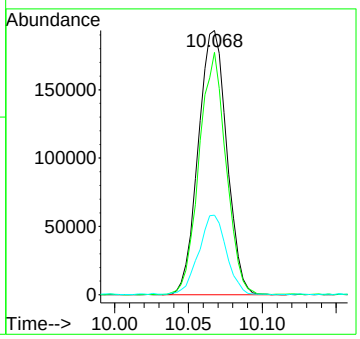




#123
2-methylnaphthalene
Concen: 23.2749 ug/L
RT: 10.068 min Scan# 3104
Delta R.T. -0.003 min
Lab File: 2K25208.d
Acq: 17 Oct 2025 11:03 pm

Tgt Ion:142 Resp: 259154

Ion	Ratio	Lower	Upper
142	100		
141	91.6	54.5	114.5
115	30.0	3.3	63.3



Manual Integration Approval Summary

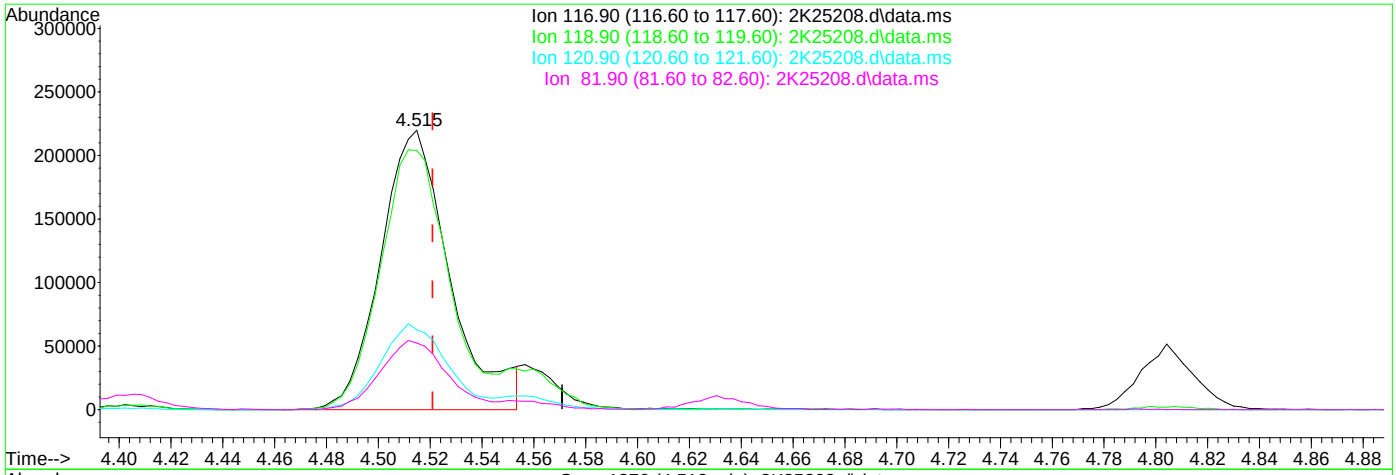
Sample Number: V2K694-CC658
Lab FileID: 2K25208.D
Injection Time: 10/17/25 23:03
Method: SW846 8260D
Analyst approved: 10/20/25 15:14 Karol Nino
Supervisor approved: 10/22/25 05:53 Janelle Claus

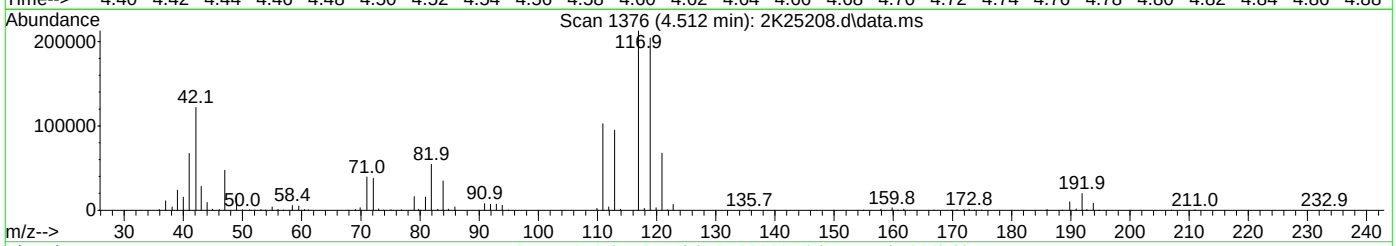
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon tetrachloride	56-23-5		4.51	Overlapping peak

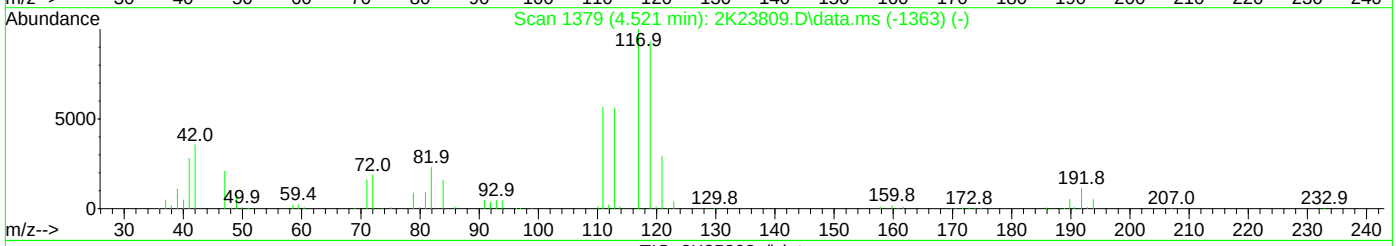
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\karoln\10. October\20102025\v2k694\
Data File : 2K25208.d
Acq On : 17 Oct 2025 11:03 pm
Operator : EDWARDD
Sample : cc658-50 Inst : GCMSK
Misc : MS97898,V2K694,5,,,,1
ALS Vial : 50 Sample Multiplier: 1

Quant Time: Oct 20 13:28:26 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 13:21:53 2025
Response via : Initial Calibration







TIC: 2K25208.d\data.ms

(47) carbon tetrachloride

4.515min (-0.006) 44.06ug/L

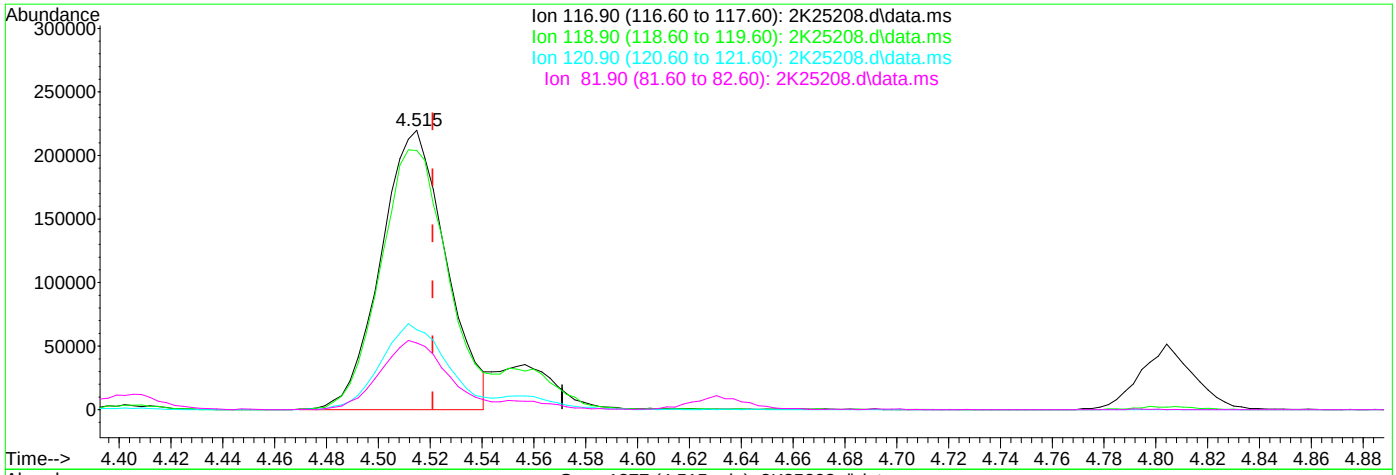
response 407057

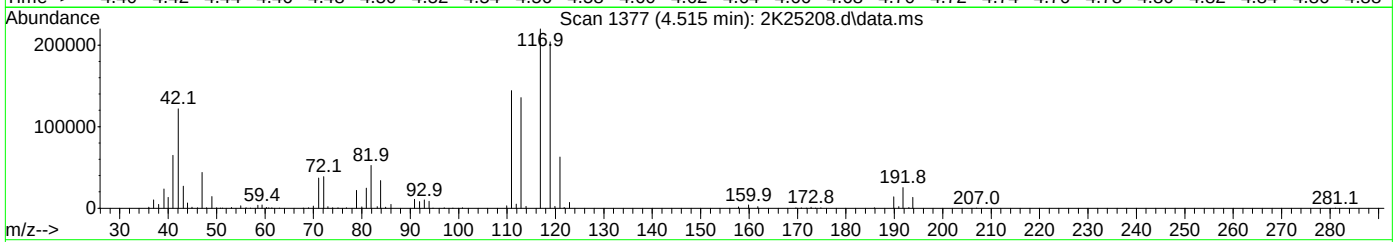
Ion	Exp%	Act%
116.90	100	100
118.90	92.90	92.78
120.90	29.20	28.52
81.90	22.90	23.85

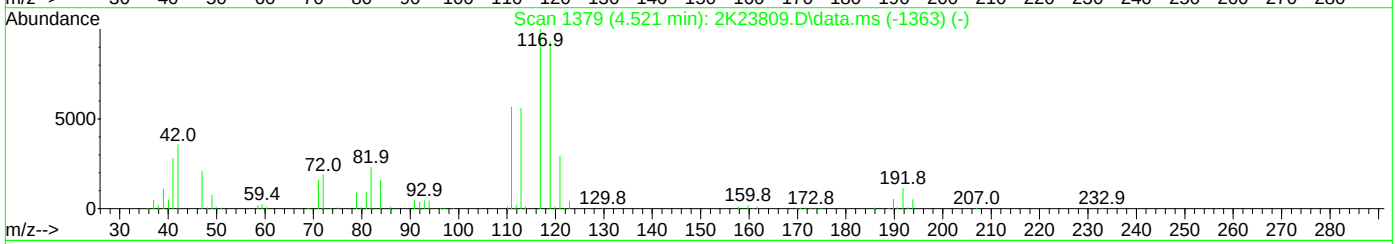
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\karoln\10. October\20102025\v2k694\
Data File : 2K25208.d
Acq On : 17 Oct 2025 11:03 pm
Operator : EDWARDD
Sample : cc658-50 Inst : GCMSK
Misc : MS97898,V2K694,5,,,,1
ALS Vial : 50 Sample Multiplier: 1

Quant Time: Oct 20 13:28:26 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 13:21:53 2025
Response via : Initial Calibration







TIC: 2K25208.d\data.ms

(47) carbon tetrachloride

4.515min (-0.006) 41.43ug/L m

response 382697

Ion	Exp%	Act%
116.90	100	100
118.90	92.90	92.78
120.90	29.20	28.52
81.90	22.90	23.85

Manual Integrations APPROVED (compounds with "m" flag)
Janelle Claus
10/22/25 05:53

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\karoln\10. October\20102025\v2k694\
Data File : 2K25210.d
Acq On : 17 Oct 2025 11:36 pm
Operator : EDWARDD
Sample : cc658-1 Inst : GCMSK
Misc : MS97898,V2K694,5,,,,1
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Oct 20 14:04:13 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 13:21:53 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	3.495	65	751290	500.00	ug/L	0.00
5) pentafluorobenzene	4.804	168	828013	50.00	ug/L	0.00
50) 1,4-difluorobenzene	5.167	114	1281246	50.00	ug/L	0.00
72) chlorobenzene-d5	7.106	117	1072571	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	8.373	152	532477	50.00	ug/L	0.00
124) pentafluorobenzene(a)	4.804	168	828013	50.00	ug/L	0.00
128) 1,4-dichlorobenzene-d4(a)	8.373	152	532477	50.00	ug/L	0.00
System Monitoring Compounds						
42) dibromofluoromethane (s)	4.524	113	334454	47.36	ug/L	0.00
Spiked Amount 50.000	Range 75 - 127		Recovery = 94.72%			
51) 1,2-dichloroethane-d4 (s)	4.875	65	414289	45.66	ug/L	-0.01
Spiked Amount 50.000	Range 75 - 130		Recovery = 91.32%			
73) toluene-d8 (s)	6.116	98	1424819	48.20	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 96.40%			
97) 4-bromofluorobenzene (s)	7.785	95	497812	44.54	ug/L	0.00
Spiked Amount 50.000	Range 79 - 127		Recovery = 89.08%			
Target Compounds						Qvalue
6) chlorodifluoromethane	1.762	51	8267	0.7401	ug/L	95
11) bromomethane	2.258	96	1930	0.7638	ug/L #	87
13) trichlorofluoromethane	2.489	101	6599	0.6097	ug/L	84
20) iodomethane	3.026	142	3707	1.6793	ug/L	93
34) ethyl acetate	4.444	70	959m	0.8513	ug/L	
100) trans-1,4-dichloro-2-b...	7.981	53	1071	0.2649	ug/L #	67

(#) = qualifier out of range (m) = manual integration (+) = signals summed

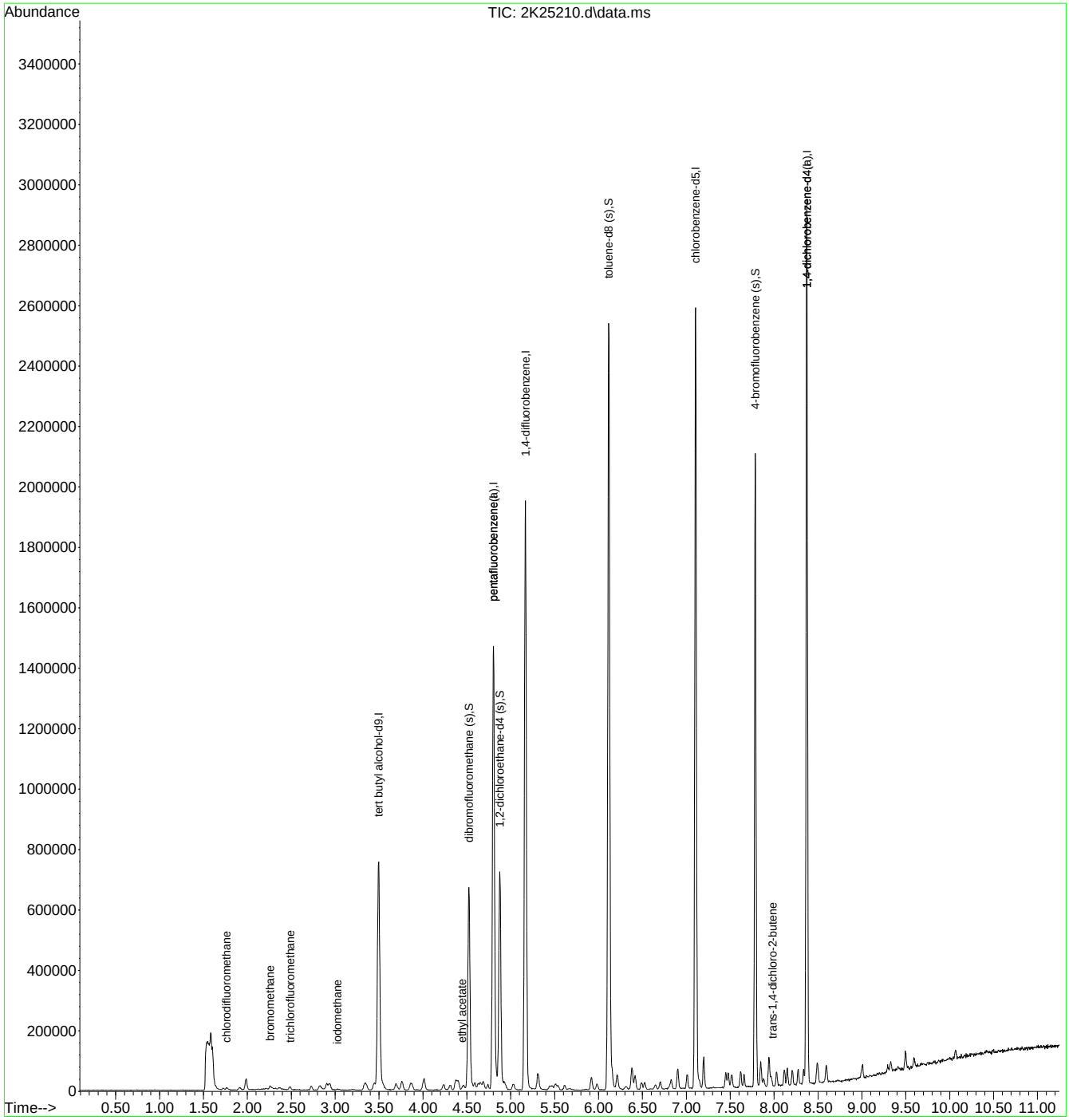
7.6.14

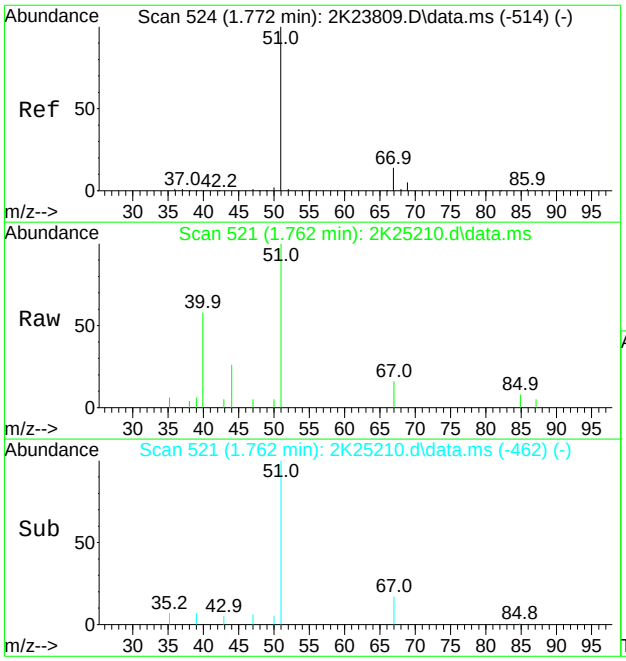
7

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\karoln\10. October\20102025\v2k694\
Data File : 2K25210.d
Acq On : 17 Oct 2025 11:36 pm
Operator : EDWARDD
Sample : cc658-1 Inst : GCMSK
Misc : MS97898,V2K694,5,,,,1
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Oct 20 14:04:13 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 13:21:53 2025
Response via : Initial Calibration

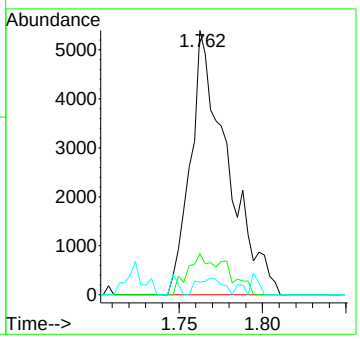


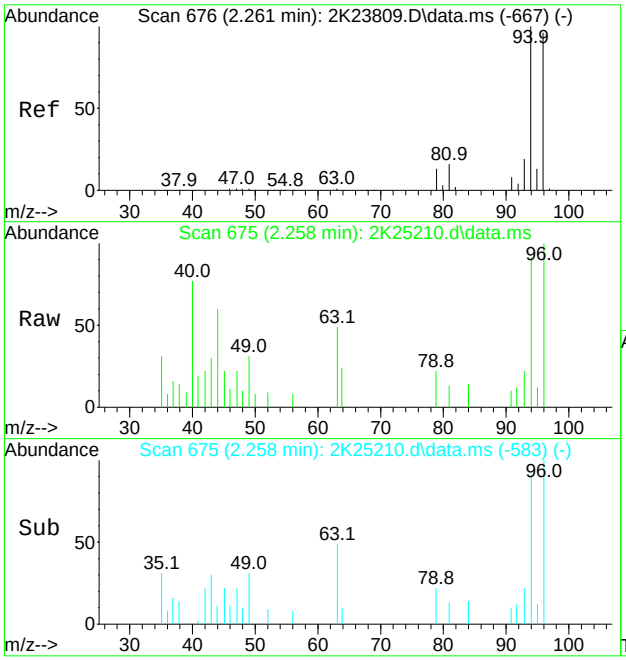


#6
chlorodifluoromethane
Concen: 0.7401 ug/L
RT: 1.762 min Scan# 521
Delta R.T. -0.010 min
Lab File: 2K25210.d
Acq: 17 Oct 2025 11:36 pm

Tgt Ion: 51 Resp: 8267

Ion	Ratio	Lower	Upper
51	100		
67	15.6	0.0	44.0
50	4.8	0.0	37.4

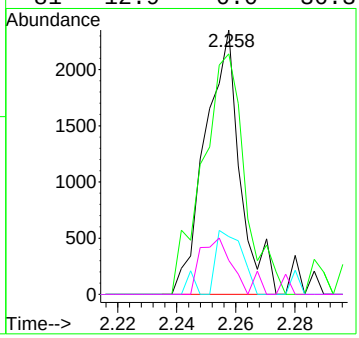


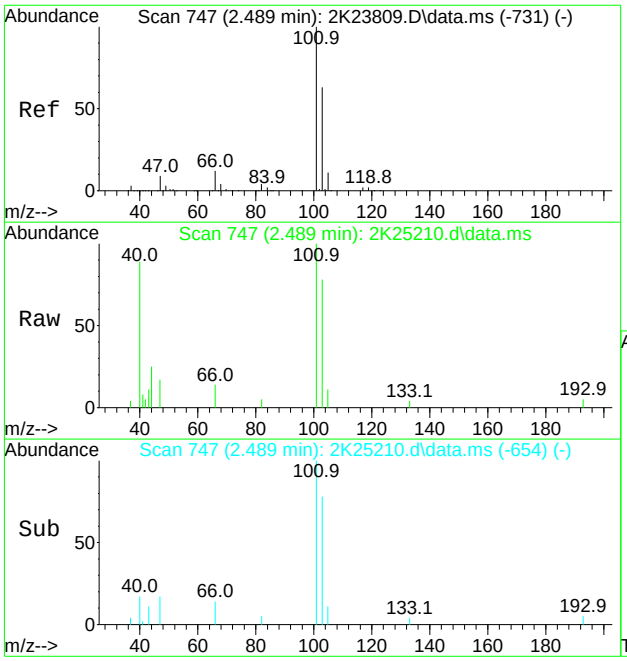


#11
bromomethane
Concen: 0.7638 ug/L
RT: 2.258 min Scan# 675
Delta R.T. -0.003 min
Lab File: 2K25210.d
Acq: 17 Oct 2025 11:36 pm

Tgt Ion: 96 Resp: 1930

Ion	Ratio	Lower	Upper
96	100		
94	90.9	74.5	134.5
79	21.9	13.7	13.7#
81	12.9	0.0	36.3

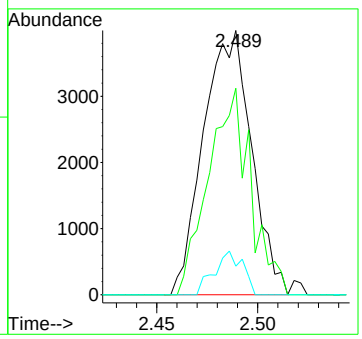


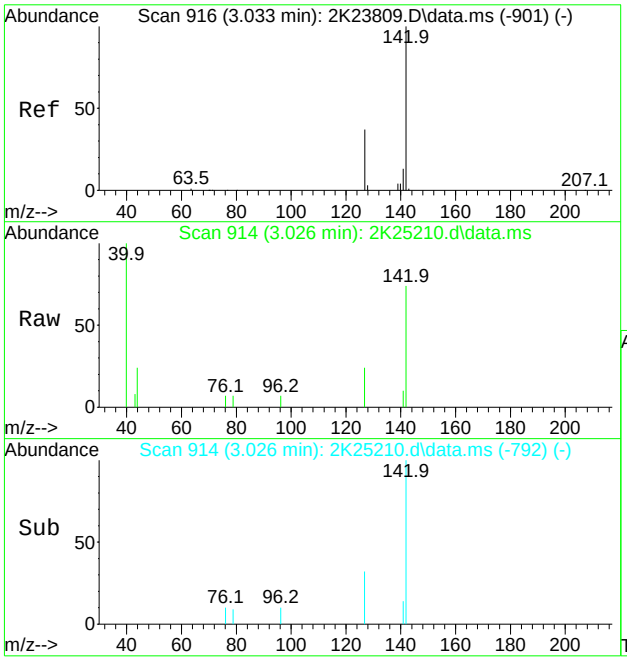


#13
trichlorofluoromethane
Concen: 0.6097 ug/L
RT: 2.489 min Scan# 747
Delta R.T. 0.000 min
Lab File: 2K25210.d
Acq: 17 Oct 2025 11:36 pm

Tgt Ion:101 Resp: 6599

Ion	Ratio	Lower	Upper
101	100		
103	78.2	33.3	93.3
105	10.8	0.0	40.7

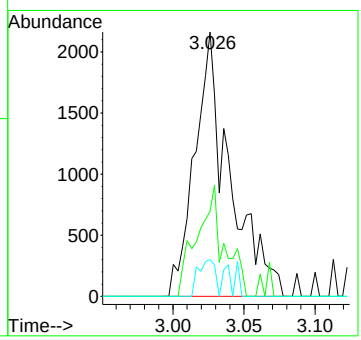


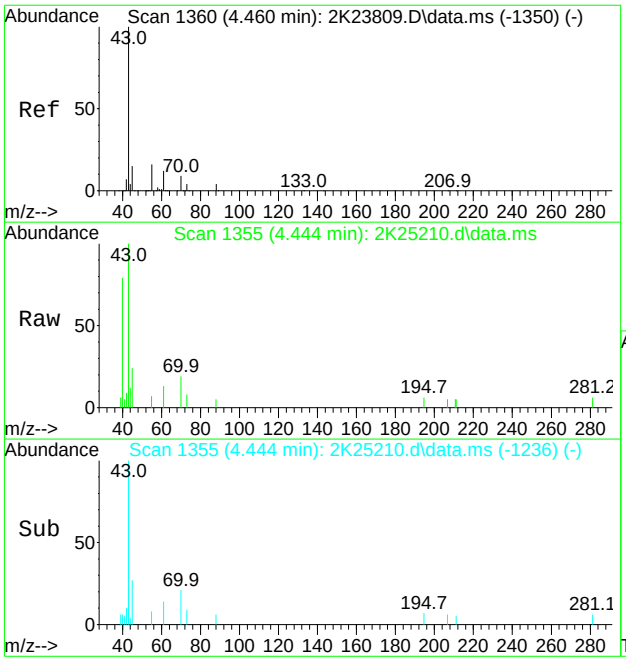


#20
iodomethane
Concen: 1.6793 ug/L
RT: 3.026 min Scan# 914
Delta R.T. -0.007 min
Lab File: 2K25210.d
Acq: 17 Oct 2025 11:36 pm

Tgt Ion:142 Resp: 3707

Ion	Ratio	Lower	Upper
142	100		
127	32.1	7.2	67.2
141	13.9	0.0	43.3

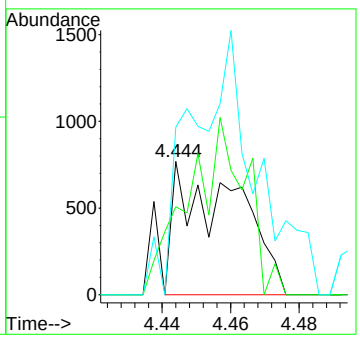


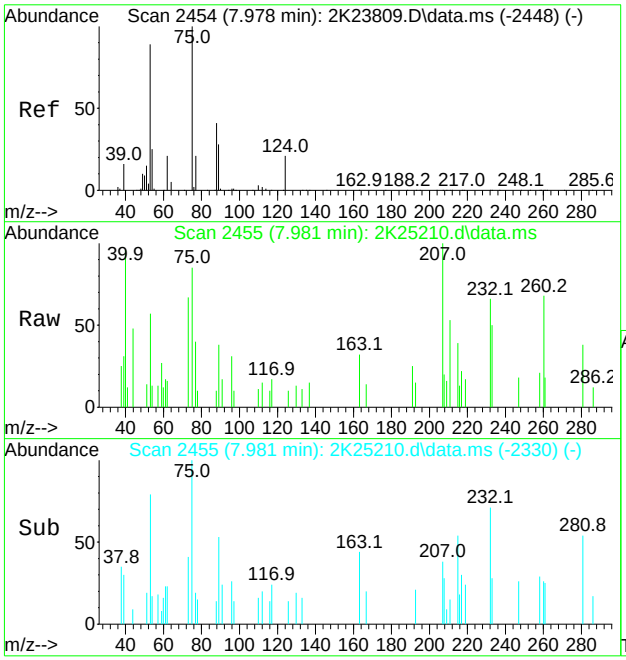


#34
ethyl acetate
Concen: 0.8513 ug/L m
RT: 4.444 min Scan# 1355
Delta R.T. -0.016 min
Lab File: 2K25210.d
Acq: 17 Oct 2025 11:36 pm

Tgt Ion: 70 Resp: 959

Ion	Ratio	Lower	Upper
70	100		
61	66.0	105.6	165.6#
45	125.5	135.3	195.3#

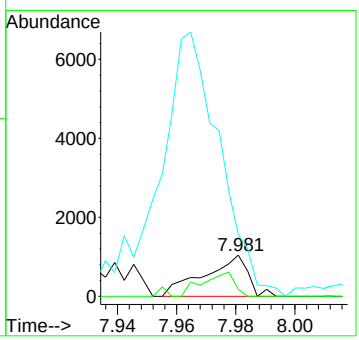




#100
trans-1,4-dichloro-2-butene
Concen: 0.2649 ug/L
RT: 7.981 min Scan# 2455
Delta R.T. 0.003 min
Lab File: 2K25210.d
Acq: 17 Oct 2025 11:36 pm

Tgt Ion: 53 Resp: 1071

Ion	Ratio	Lower	Upper
53	100		
88	17.3	15.2	75.2
75	150.1	166.9	226.9#



7.6.14

7

Manual Integration Approval Summary

Sample Number: V2K694-CC658
Lab FileID: 2K25210.D
Injection Time: 10/17/25 23:36

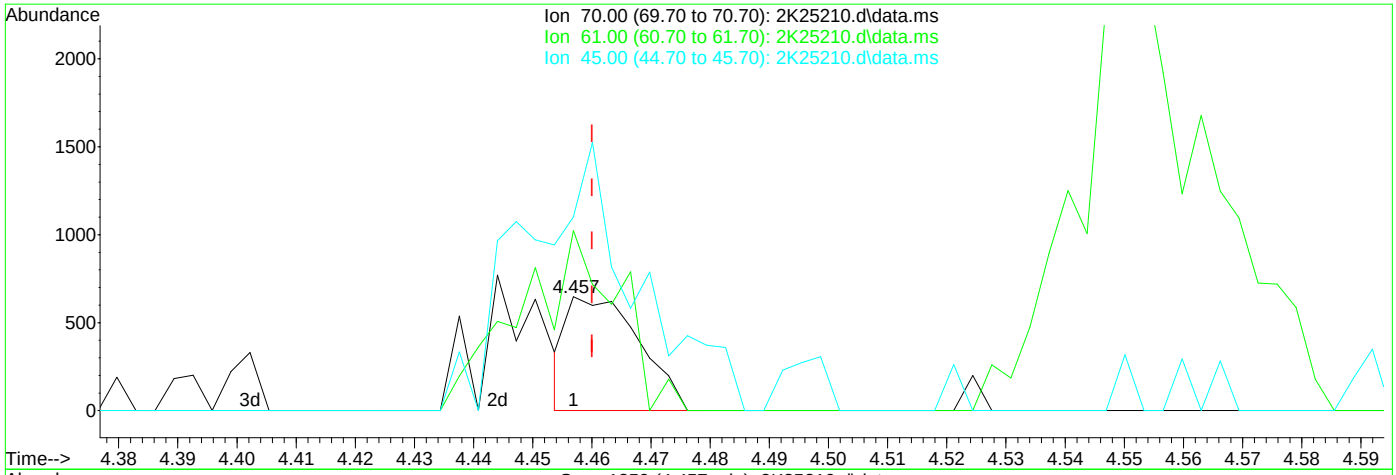
Method: SW846 8260D
Analyst approved: 10/20/25 15:14 Karol Nino
Supervisor approved: 10/22/25 05:53 Janelle Claus

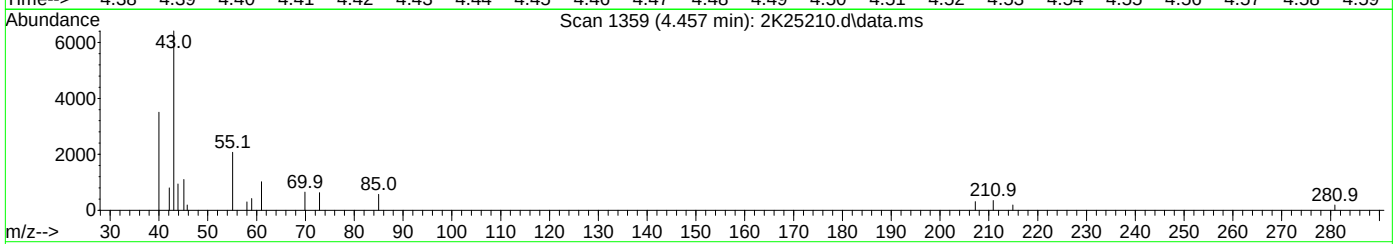
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Acetate	141-78-6		4.44	Split peak

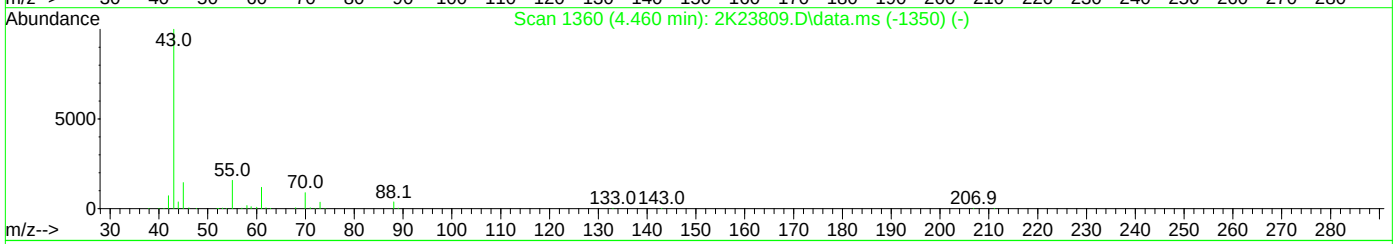
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\karoln\10. October\20102025\v2k694\
Data File : 2K25210.d
Acq On : 17 Oct 2025 11:36 pm
Operator : EDWARDD
Sample : cc658-1 Inst : GCMSK
Misc : MS97898,V2K694,5,,,,1
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Oct 20 13:28:58 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 13:21:53 2025
Response via : Initial Calibration







TIC: 2K25210.d\data.ms

(34) ethyl acetate

4.457min (-0.003) 0.49ug/L

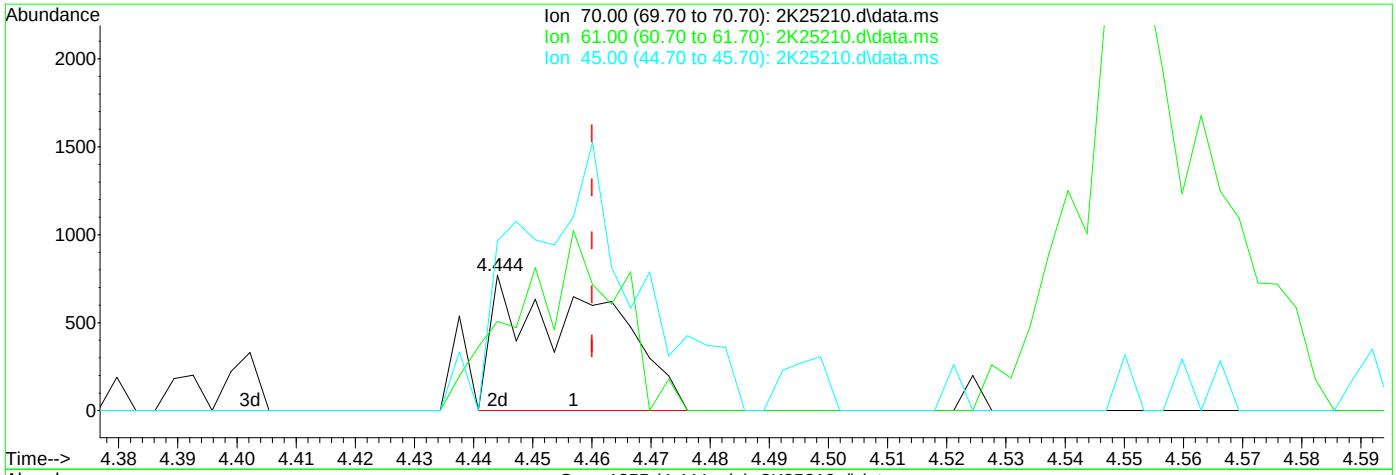
response 547

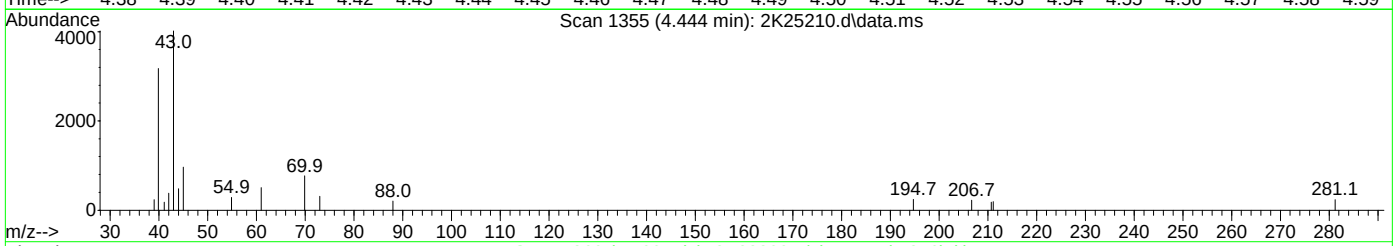
Ion	Exp%	Act%
70.00	100	100
61.00	135.60	158.11
45.00	165.30	112.83#
0.00	0.00	0.00

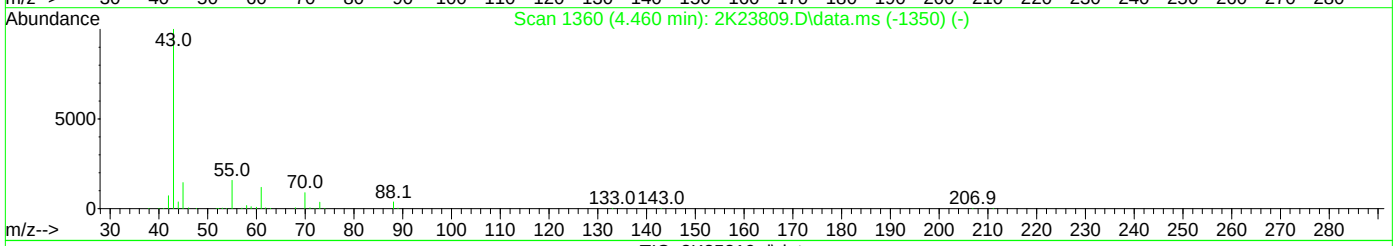
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\karoln\10. October\20102025\v2k694\
Data File : 2K25210.d
Acq On : 17 Oct 2025 11:36 pm
Operator : EDWARDD
Sample : cc658-1 Inst : GCMSK
Misc : MS97898,V2K694,5,,,,1
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Oct 20 13:28:58 2025
Quant Method : C:\msdchem\1\methods\M2K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 13:21:53 2025
Response via : Initial Calibration







TIC: 2K25210.d\data.ms

(34) ethyl acetate

4.444min (-0.016) 0.85ug/L m

response 959

Ion	Exp%	Act%
70.00	100	100
61.00	135.60	65.97#
45.00	165.30	125.45#
0.00	0.00	0.00

SGS

VOLATILE by GCMS ANALYSIS LOG

Date: 9/5/2025

Standard data

Lot#	Expiration Date	concentration
ABK: V025-2803-119.5	10/3/2025	100-10000ppm
AA: V025-2803-128.3	10/4/2025	100ppm
EC: V025-2803-124.11	9/11/2025	100ppm

Internal/SUrrogate data

Lot#	Expiration Date	concentration
IS: V025-2803-118	10/3/2025	50/500ppm
XT ABK: V025-2803-113.	9/28/2025	100-10000ppm
XT Acro: V025-2803-84.	9/8/2025	100ppm
XT EC: V025-2803-126.	9/11/2025	100ppm
rodifluoromethane: V025	9/12/2025	100ppm
XT PA: V025-2803-129.	10/5/2025	100-1000ppm

Batch ID: V2K658

Print Analyst Name:
Prashant S.
Processed by:
Mohui Huang
Columns:

Method:
V8260D
Initial Cal. Method:
M2K658

Date Archived:_____

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

Supervisor Signature- _____ Date- _____

ALS	Sample ID	Method	File ID	MS Batch, Run ID, Pv,,,, Dil.	Vial #	Purge Vol	IS/SURR	pH	STATUS	Comments
1	BFB	M1K658	1K23792	MS75187,V1k658,5,,,,1		5			ok	
2	bfb	M2K658	2K23793	MS75187,V2k658,5,,,,1		5			ok	
3	ic658-0.2	M1K658	1K23794	MS75187,V1k658,5,,,,1		5			ok	2uL ABK, AA, EC / 1000mL
4	ic658-0.2	M2K658	2K23795	MS75187,V2k658,5,,,,1		5			ok	2uL ABK, AA, EC / 1000mL
5	ic658-0.5	M1K658	1K23796	MS75187,V1k658,5,,,,1		5			ok	5uL ABK, AA, EC / 1000mL
6	ic658-0.5	M2K658	2K23797	MS75187,V2k658,5,,,,1		5			ok	5uL ABK, AA, EC / 1000mL
7	ic658-1	M1K658	1K23798	MS75187,V1k658,5,,,,1		5			ok	1uL ABK, AA, EC / 100mL
8	ic658-1	M2K658	2K23799	MS75187,V2k658,5,,,,1		5			ok	1uL ABK, AA, EC / 100mL
9	ic658-2	M1K658	1K23800	MS75187,V1k658,5,,,,1		5			ok	2uL ABK, AA, EC / 100mL
10	ic658-2	M2K658	2K23801	MS75187,V2k658,5,,,,1		5			ok	2uL ABK, AA, EC / 100mL
11	ic658-4	M1K658	1K23802	MS75187,V1k658,5,,,,1		5			ok	4uL ABK, AA, EC / 100mL
12	ic658-4	M2K658	2K23803	MS75187,V2k658,5,,,,1		5			ok	4uL ABK, AA, EC / 100mL
13	ic658-8	M1K658	1K23804	MS75187,V1k658,5,,,,1		5			ok	8uL ABK, AA, EC / 100mL
14	ic658-8	M2K658	2K23805	MS75187,V2k658,5,,,,1		5			ok	8uL ABK, AA, EC / 100mL
15	ic658-20	M1K658	1K23806	MS75187,V1k658,5,,,,1		5			ok	20uL ABK, AA, EC / 100mL
16	ic658-20	M2K658	2K23807	MS75187,V2k658,5,,,,1		5			ok	20uL ABK, AA, EC / 100mL
17	icc658-50	M1K658	1K23808	MS75187,V1k658,5,,,,1		5			ok	50uL ABK, AA, EC / 100mL
18	icc658-50	M2K658	2K23809	MS75187,V2k658,5,,,,1		5			ok	50uL ABK, AA, EC / 100mL
19	ic658-100	M1K658	1K23810	MS75187,V1k658,5,,,,1		5			ok	100uL ABK, AA, EC / 100mL
20	ic658-100	M2K658	2K23811	MS75187,V2k658,5,,,,1		5			ok	100uL ABK, AA, EC / 100mL

SGS

VOLATILE by GCMS ANALYSIS LOG

Date: 9/5/2025

Standard data

Lot#	Expiration Date	concentration
ABK: V025-2803-119.5	10/3/2025	100-10000ppm
AA: V025-2803-128.3	10/4/2025	100ppm
EC: V025-2803-124.11	9/11/2025	100ppm

Internal/SUrrogate data

Lot#	Expiration Date	concentration
IS: V025-2803-118	10/3/2025	50/500ppm
XT ABK: V025-2803-113.	9/28/2025	100-10000ppm
EXT Acro: V025-2803-84.	9/8/2025	100ppm
EXT EC: V025-2803-126.	9/11/2025	100ppm
rodifluoromethane: V025	9/12/2025	100ppm
EXT PA: V025-2803-129.	10/5/2025	100-1000ppm

Batch ID: V2K658

Print Analyst Name:
Prashant S.
Processed by:
Mohui Huang
Columns:

Method:
V8260D
Initial Cal. Method:
M2K658

Date Archived:_____

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

Supervisor Signature- _____ Date- _____

ALS	Sample ID	Method	File ID	MS Batch, Run ID, Pv,,,, Dil.	Vial #	Purge Vol	IS/SURR	pH	STATUS	Comments
21	ic658-200	M1K658	1K23812	MS75187,V1k658,5,,,,1		5			ok	200uL ABK, AA, EC / 100mL
22	ic658-200	M2K658	2K23813	MS75187,V2k658,5,,,,1		5			ok	200uL ABK, AA, EC / 100mL
23	ib	M1K658	1K23814	MS75187,V1k658,5,,,,1		5				
24	ib	M2K658	2K23815	MS75187,V2k658,5,,,,1		5				
25	ib	M1K658	1K23816	MS75187,V1k658,5,,,,1		5				
26	ib	M2K658	2K23817	MS75187,V2k658,5,,,,1		5				
27	icv658-50	M1K658	1K23818	MS75187,V1k658,5,,,,1		5			ok	50uL EXT ABK, Acro, EC / 100mL
28	icv658-50	M2K658	2K23819	MS75187,V2k658,5,,,,1		5			ok	50uL EXT ABK, Acro, EC / 100mL
29	icv658-50	M1K658	1K23820	MS75187,V1k658,5,,,,1		5			ok	50uL PA Chlorodifluoromethane / 100mL
30	icv658-50	M2K658	2K23821	MS75187,V2k658,5,,,,1		5			ok	50uL PA Chlorodifluoromethane / 100mL

VOLATILE by GCMS ANALYSIS LOG

Date: 9/5/2025

Standard data

Lot#	Expiration Date	concentration
ABK: V025-2803-119.5	10/3/2025	100-10000ppm
AA: V025-2803-128.3	10/4/2025	100ppm
EC: V025-2803-124.11	9/11/2025	100ppm

Internal/SUrrogate data

Lot#	Expiration Date	concentration
IS: V025-2803-118	10/3/2025	50/500ppm
XT ABK: V025-2803-113.	9/28/2025	100-10000ppm
XT Acro: V025-2803-84.	9/8/2025	100ppm
XT EC: V025-2803-126.	9/11/2025	100ppm
rodifluoromethane: V025	9/12/2025	100ppm
XT PA: V025-2803-129.	10/5/2025	100-1000ppm

Batch ID: V2K658

Print Analyst Name:
Prashant S.
Processed by:
Mohui Huang
Columns:

Method:
V8260D
Initial Cal. Method:
M2K658

Date Archived:_____

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

Supervisor Signature- _____ Date- _____

ALS	Sample ID	Method	File ID	MS Batch, Run ID, Pv,,,, Dil.	Vial #	Purge Vol	IS/SURR	pH	STATUS	Comments

SGS

VOLATILE by GCMS ANALYSIS LOG

Date: 10/17/2025

Standard data

Lot#	Expiration Date	concentration
ABK: V025-2806-4.2	11/3/2025	100-1000 ppm
EC: V025-2806-12.3	10/20/2025	100 ppm
AA: V025-2803-138.15	10/18/2025	100 ppm

Internal/SUrrogate data

Lot#	Expiration Date	Conc.
IS: V025-2806-3	11/3/2025	50/500ppm
pH paper:211623a	4/15/2026	

Batch ID: V2K694

Print Analyst Name: Edward Durner

Processed by: KarolN

Columns: RTX-VMS(30m x 0.25mm x 1.4um)

Method:
V8260D
Initial Cal. Method:
M2K658

Date Archived:_____

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

Supervisor Signature- _____ Date- _____

ALS	Sample ID	Method	File ID	MS Batch, Run ID, Pv,,,, Dil.	Vial #	Purge Vol	IS/SURR	pH	STATUS	Comments
49	cc658-50	MK658	1K25207	MS97898,V1K694,5,,,,1		5ml			ok	50ul abk,ec,aa/100ml; 10:46PM
50	cc658-50	MK658	2K25208	MS97898,V2K694,5,,,,1		5ml			ok	50ul abk,ec,aa/100ml; 11:03PM
51	cc658-1	MK658	1K25209	MS97898,V1K694,5,,,,1		5ml			ok	1ul abk,ec,aa/100ml
52	cc658-1	MK658	2K25210	MS97898,V2K694,5,,,,1		5ml			ok	1ul abk,ec,aa/100ml
53	bs	MK658	1K25211	MS97898,V1K694,5,,,,1		5ml			ok	50ul abk,ec,aa/100ml
54	bs	MK658	2K25212	MS97898,V2K694,5,,,,1		5ml			ok	50ul abk,ec,aa/100ml
55	ib	MK658	1K25213	MS97898,V1K694,5,,,,1		5ml			ok	
56	mb	MK658	2K25214	MS97898,V2K694,5,,,,1		5ml			ok	
57	mb	MK658	1K25215	MS97898,V1K694,5,,,,1		5ml			ok	
58	je20825-1	MK658	2K25216	MS98030,V2K694,5,,,,1		5ml		1	ok	
59	je21034-6	MK658	1K25217	MS98248,V1K694,5,,,,4		12.5/50ml		1	ok	
60	je20825-1ms	MK658	2K25218	MS98030,V2K694,5,,,,1		5ml		1	ok	20ul abk,ec,aa/40ml
61	je21034-6ms	MK658	1K25219	MS98248,V1K694,5,,,,4		12.5/50ml		1	ok	25ul abk,ec,aa/50ml
62	je20825-1msd	MK658	2K25220	MS98030,V2K694,5,,,,1		5ml		1	ok	20ul abk,ec,aa/40ml
63	je21034-6msd	MK658	1K25221	MS98248,V1K694,5,,,,4		12.5/50ml		1	ok	25ul abk,ec,aa/50ml
64	ib	MK658	2K25222	MS98248,V2K694,5,,,,1		5ml			ok	
65	ib	MK658	1K25223	MS98248,V1K694,5,,,,1		5ml			ok	
66	je20825-6	MK658	2K25224	MS98030,V2K694,5,,,,1		5ml		1	ok	
67	je20293-1	MK658	1K25225	MS98248,V1K694,5,,,,1		5ml		1	ok	
68	je20825-3	MK658	2K25226	MS98030,V2K694,5,,,,1		5ml		1	ok	
69	je21034-1	MK658	1K25227	MS98248,V1K694,5,,,,1		5ml		1	ok	
70	je20825-4	MK658	2K25228	MS98030,V2K694,5,,,,1		5ml		1	ok	
71	je20976-1	MK658	1K25229	MS98082,V1K694,5,,,,1		5ml		1	ok	
72	je20825-5	MK658	2K25230	MS98030,V2K694,5,,,,1		5ml		1	ok	
73	je20976-2	MK658	1K25231	MS98082,V1K694,5,,,,1		5ml		1	ok	
74	je20976-3	MK658	2K25232	MS98082,V2K694,5,,,,1		5ml		1	ok	
75	je20976-4	MK658	1K25233	MS98082,V1K694,5,,,,1		5ml		1	ok	
76	je20976-5	MK658	2K25234	MS98082,V2K694,5,,,,1		5ml		6	ok	

SGS

VOLATILE by GCMS ANALYSIS LOG

Date: 10/17/2025

Standard data

Lot#	Expiration Date	concentration
ABK: V025-2806-4.2	11/3/2025	100-1000 ppm
EC: V025-2806-12.3	10/20/2025	100 ppm
AA: V025-2803-138.15	10/18/2025	100 ppm

Internal/SUrrogate data

Lot#	Expiration Date	Conc.
IS: V025-2806-3	11/3/2025	50/500ppm
pH paper:211623a	4/15/2026	

Batch ID: V2K694

Print Analyst Name: Edward Durner

Processed by: KarolN

Columns: RTX-VMS(30m x 0.25mm x 1.4um)

Method: V8260D
Initial Cal. Method: M2K658

Date Archived:_____

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

Supervisor Signature- _____ Date- _____

ALS	Sample ID	Method	File ID	MS Batch, Run ID, Pv,,,, Dil.	Vial #	Purge Vol	IS/SURR	pH	STATUS	Comments
77	je20976-6	MK658	1K25235	MS98082,V1K694,5,,,,1		5ml		1	ok	
78	je20976-7	MK658	2K25236	MS98082,V2K694,5,,,,1		5ml		1	ok	
79	je20976-8	MK658	1K25237	MS98082,V1K694,5,,,,1		5ml		1	rr	f/d
80	je20976-9	MK658	2K25238	MS98082,V2K694,5,,,,1		5ml		1	ok	
81	je20976-10	MK658	1K25239	MS98082,V1K694,5,,,,1		5ml		1	ok	
82	je20976-11	MK658	2K25240	MS98082,V2K694,5,,,,1		5ml		1	ok	
83	je20976-12	MK658	1K25241	MS98082,V1K694,5,,,,1		5ml		1	rr	f/d
84	je20976-13	MK658	2K25242	MS98082,V2K694,5,,,,1		5ml		1	rr	c/o
85	je20976-14	MK658	1K25243	MS98082,V1K694,5,,,,1		5ml		1	rr	f/d ; 8:54AM
86	je20976-16	MK658	2K25244	MS98082,V2K694,5,,,,1		5ml		1	rr	c/o; 9:11AM
87	ib	MK658	1K25245	MS98082,V1K694,5,,,,1		5ml			ok	
88	ib	MK658	2K25246	MS98082,V2K694,5,,,,1		5ml			ok	
89	ib	MK658	1K25247	MS98082,V1K694,5,,,,1		5ml			ok	
90	ib	MK658	2K25248	MS98082,V2K694,5,,,,1		5ml			ok	

MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (DFTPP)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method Blank Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP68138A-MB1	CS9063.D	1	10/16/25	AC	10/15/25	OP68138A	ECS468

The QC reported here applies to the following samples: **Method:** SW846 8270E BY SIM

JE20825-1, JE20825-3, JE20825-4, JE20825-5

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.080	0.040	ug/l	
208-96-8	Acenaphthylene	ND	0.080	0.040	ug/l	
120-12-7	Anthracene	ND	0.080	0.040	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.040	0.024	ug/l	
50-32-8	Benzo(a)pyrene	0.0676	0.040	0.024	ug/l	
205-99-2	Benzo(b)fluoranthene	0.0810	0.040	0.024	ug/l	
191-24-2	Benzo(g,h,i)perylene	0.424	0.080	0.040	ug/l	
207-08-9	Benzo(k)fluoranthene	0.157	0.080	0.040	ug/l	
218-01-9	Chrysene	ND	0.080	0.040	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.794	0.080	0.040	ug/l	
206-44-0	Fluoranthene	ND	0.080	0.040	ug/l	
86-73-7	Fluorene	ND	0.080	0.040	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.434	0.080	0.040	ug/l	
91-20-3	Naphthalene	0.0628	0.080	0.040	ug/l	J
85-01-8	Phenanthrene	ND	0.080	0.040	ug/l	
129-00-0	Pyrene	ND	0.080	0.040	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	32%	15-110%
4165-62-2	Phenol-d5	23%	12-110%
118-79-6	2,4,6-Tribromophenol	61%	32-143%
4165-60-0	Nitrobenzene-d5	42%	29-124%
321-60-8	2-Fluorobiphenyl	32%	23-122%
1718-51-0	Terphenyl-d14	63%	22-130%

Method Blank Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP68138A-MB2	Z176443.D	1	10/18/25	RS	10/16/25	OP68138A	EZ8689

The QC reported here applies to the following samples: **Method:** SW846 8270E BY SIM

OP68138A-MSA, OP68138A-MSDA

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.080	0.040	ug/l	
208-96-8	Acenaphthylene	ND	0.080	0.040	ug/l	
120-12-7	Anthracene	ND	0.080	0.040	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.040	0.024	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.040	0.024	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.040	0.024	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.080	0.040	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.080	0.040	ug/l	
218-01-9	Chrysene	ND	0.080	0.040	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.080	0.040	ug/l	
206-44-0	Fluoranthene	ND	0.080	0.040	ug/l	
86-73-7	Fluorene	ND	0.080	0.040	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.080	0.040	ug/l	
91-20-3	Naphthalene	ND	0.080	0.040	ug/l	
85-01-8	Phenanthrene	ND	0.080	0.040	ug/l	
129-00-0	Pyrene	ND	0.080	0.040	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	48%	15-110%
4165-62-2	Phenol-d5	33%	12-110%
118-79-6	2,4,6-Tribromophenol	68%	32-143%
4165-60-0	Nitrobenzene-d5	53%	29-124%
321-60-8	2-Fluorobiphenyl	49%	23-122%
1718-51-0	Terphenyl-d14	56%	22-130%

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP68138A-BS12	CS9064.D	1	10/16/25	AC	10/15/25	OP68138A	ECS468
OP68138A-BSD12	CS9065.D	1	10/16/25	AC	10/15/25	OP68138A	ECS468

The QC reported here applies to the following samples: **Method:** SW846 8270E BY SIM

JE20825-1, JE20825-3, JE20825-4, JE20825-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	0.8	0.282	35	0.282	35	0	31-135/38
208-96-8	Acenaphthylene	0.8	0.321	40	0.328	41	2	28-130/42
120-12-7	Anthracene	0.8	0.448	56	0.437	55	2	40-125/32
56-55-3	Benzo(a)anthracene	0.8	0.564	71	0.565	71	0	38-132/31
50-32-8	Benzo(a)pyrene	0.8	0.480	60	0.452	57	6	31-110/37
205-99-2	Benzo(b)fluoranthene	0.8	0.517	65	0.527	66	2	31-113/37
191-24-2	Benzo(g,h,i)perylene	0.8	0.477	60	0.456	57	5	18-110/54
207-08-9	Benzo(k)fluoranthene	0.8	0.586	73	0.583	73	1	31-119/43
218-01-9	Chrysene	0.8	0.554	69	0.561	70	1	43-119/33
53-70-3	Dibenzo(a,h)anthracene	0.8	0.519	65	0.497	62	4	20-112/50
206-44-0	Fluoranthene	0.8	0.497	62	0.521	65	5	48-118/27
86-73-7	Fluorene	0.8	0.336	42	0.323	40* [a]	4	42-123/34
193-39-5	Indeno(1,2,3-cd)pyrene	0.8	0.509	64	0.484	61	5	18-113/49
91-20-3	Naphthalene	0.8	0.190	24* [b]	0.213	27* [b]	11	30-114/40
85-01-8	Phenanthrene	0.8	0.428	54	0.424	53	1	45-125/31
129-00-0	Pyrene	0.8	0.512	64	0.533	67	4	48-125/29

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
367-12-4	2-Fluorophenol	38%	40%	15-110%
4165-62-2	Phenol-d5	31%	31%	12-110%
118-79-6	2,4,6-Tribromophenol	75%	77%	32-143%
4165-60-0	Nitrobenzene-d5	42%	46%	29-124%
321-60-8	2-Fluorobiphenyl	31%	31%	23-122%
1718-51-0	Terphenyl-d14	73%	76%	22-130%

(a) Outside control limits. BS met criteria.
(b) Outside of in house control limits.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP68138A-MSA	Z176457.D	1	10/18/25	RS	10/16/25	OP68138A	EZ8689
OP68138A-MSDA	Z176458.D	1	10/18/25	RS	10/16/25	OP68138A	EZ8689
JE20825-1 [a]	CS9066.D	1	10/16/25	AC	10/15/25	OP68138A	ECS468
JE20825-1	Z176730.D	10	10/27/25	RS	10/15/25	OP68138A	EZ8699

The QC reported here applies to the following samples: **Method:** SW846 8270E BY SIM

JE20825-1, JE20825-3, JE20825-4, JE20825-5

CAS No.	Compound	JE20825-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	10.1 [c]		0.8	12.7	275* [b]	0.8	13.5	375* [b]	6	22-149/33
208-96-8	Acenaphthylene	0.0716	J	0.8	0.690	77	0.8	0.738	83	7	20-146/36
120-12-7	Anthracene	0.0471	J	0.8	0.511	58	0.8	0.553	63	8	28-144/32
56-55-3	Benzo(a)anthracene	ND		0.8	0.442	55	0.8	0.462	58	4	27-144/36
50-32-8	Benzo(a)pyrene	ND		0.8	0.280	35	0.8	0.277	35	1	21-113/41
205-99-2	Benzo(b)fluoranthene	0.0405		0.8	0.327	36	0.8	0.306	33	7	21-123/41
191-24-2	Benzo(g,h,i)perylene	ND		0.8	0.271	34	0.8	0.255	32	6	10-113/48
207-08-9	Benzo(k)fluoranthene	ND		0.8	0.287	36	0.8	0.296	37	3	23-122/42
218-01-9	Chrysene	ND		0.8	0.331	41	0.8	0.322	40	3	31-128/34
53-70-3	Dibenzo(a,h)anthracene	ND		0.8	0.320	40	0.8	0.317	40	1	12-114/47
206-44-0	Fluoranthene	0.0537	J	0.8	0.510	57	0.8	0.543	61	6	34-134/32
86-73-7	Fluorene	1.38		0.8	1.93	69	0.8	2.11	91	9	32-138/33
193-39-5	Indeno(1,2,3-cd)pyrene	ND		0.8	0.273	34	0.8	0.252	32	8	11-116/49
91-20-3	Naphthalene	72.4 [c]		0.8	96.2	4638* [b]	0.8	99.5	5050* [b]	3	13-141/33
85-01-8	Phenanthrene	0.0668	J	0.8	0.413	43	0.8	0.186	15* [d]	76* [e]	33-139/31
129-00-0	Pyrene	0.0463	J	0.8	0.510	58	0.8	0.553	63	8	35-142/33

CAS No.	Surrogate Recoveries	MS	MSD	JE20825-1	JE20825-1	Limits
367-12-4	2-Fluorophenol	48%	52%			15-110%
4165-62-2	Phenol-d5	34%	38%			12-110%
118-79-6	2,4,6-Tribromophenol	69%	73%			32-143%
4165-60-0	Nitrobenzene-d5	59%	62%	38%	32%	29-124%
321-60-8	2-Fluorobiphenyl	58%	62%	41%	42%	23-122%
1718-51-0	Terphenyl-d14	54%	57%	69%	66%	22-130%

(a) Sample reextracted outside the holding time for confirmation.
(b) Outside control limits due to high level in sample relative to spike amount.
(c) Result is from Run #2.
(d) Outside control limits due to matrix interference.
(e) Analytical precision exceeds in-house control limits.

* = Outside of Control Limits.

Instrument Performance Check (DFTPP)

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: ECS446-DFTPP
Lab File ID: CS8567.D
Instrument ID: GCMSCS
Injection Date: 09/17/25
Injection Time: 11:06

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	86464	50.0		Pass
68	Less than 2.0% of mass 69	1028	0.59	(1.36) [a]	Pass
69	Mass 69 relative abundance	75795	43.8		Pass
70	Less than 2.0% of mass 69	407	0.24	(0.54) [a]	Pass
127	40.0 - 60.0% of mass 198	97965	56.6		Pass
197	Less than 1.0% of mass 198	869	0.50		Pass
198	Base peak, 100% relative abundance	173072	100.0		Pass
199	5.0 - 9.0% of mass 198	11562	6.68		Pass
275	10.0 - 31.0% of mass 198	32624	18.8		Pass
365	1.0 - 100.0% of mass 198	3128	1.81		Pass
441	Present, but less than mass 443	13092	7.56	(74.8) [b]	Pass
442	40.0 - 100.0% of mass 198	89987	52.0		Pass
443	17.0 - 23.0% of mass 442	17505	10.1	(19.5) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ECS446-IC446	CS8568.D	09/17/25	11:28	00:22	Initial cal 0.002
ECS446-IC446	CS8569.D	09/17/25	11:55	00:49	Initial cal 0.004
ECS446-IC446	CS8570.D	09/17/25	12:22	01:16	Initial cal 0.01
ECS446-IC446	CS8571.D	09/17/25	12:48	01:42	Initial cal 0.02
ECS446-IC446	CS8572.D	09/17/25	13:15	02:09	Initial cal 0.04
ECS446-IC446	CS8573.D	09/17/25	13:42	02:36	Initial cal 0.1
ECS446-ICC446	CS8574.D	09/17/25	14:09	03:03	Initial cal 0.2
ECS446-IC446	CS8575.D	09/17/25	14:35	03:29	Initial cal 0.5
ECS446-IC446	CS8576.D	09/17/25	15:02	03:56	Initial cal 1
ECS446-IC446	CS8577.D	09/17/25	15:29	04:23	Initial cal 2
ECS446-ICV446	CS8578.D	09/17/25	15:56	04:50	Initial cal verification 0.2
ECS446-ICV446	CS8579.D	09/17/25	16:22	05:16	Initial cal verification 1

Instrument Performance Check (DFTPP)

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: ECS468-DFTPP
Lab File ID: CS9060.D
Instrument ID: GCMSCS
Injection Date: 10/16/25
Injection Time: 14:29

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	95091	47.2		Pass
68	Less than 2.0% of mass 69	1528	0.76	(1.81) [a]	Pass
69	Mass 69 relative abundance	84313	41.9		Pass
70	Less than 2.0% of mass 69	509	0.25	(0.60) [a]	Pass
127	40.0 - 60.0% of mass 198	114315	56.8		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	201280	100.0		Pass
199	5.0 - 9.0% of mass 198	13876	6.89		Pass
275	10.0 - 30.0% of mass 198	40493	20.1		Pass
365	1.0 - 100.0% of mass 198	3695	1.84		Pass
441	Present, but less than mass 443	18316	9.10	(86.0) [b]	Pass
442	40.0 - 100.0% of mass 198	115477	57.4		Pass
443	17.0 - 23.0% of mass 442	21305	10.6	(18.4) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ECS468-CC446	CS9061.D	10/16/25	14:46	00:17	Continuing cal 0.2
OP68138A-MB1	CS9063.D	10/16/25	15:40	01:11	Method Blank
OP68138A-BS12	CS9064.D	10/16/25	16:07	01:38	Blank Spike
OP68138A-BSD12	CS9065.D	10/16/25	16:33	02:04	Blank Spike Duplicate
JE20825-1	CS9066.D	10/16/25	17:00	02:31	MW-EPA-07-10092025
JE20825-3	CS9068.D	10/16/25	17:53	03:24	DUP-10092025
JE20825-4	CS9069.D	10/16/25	18:20	03:51	MW-SS-08-05-10092025
JE20825-5	CS9070.D	10/16/25	18:46	04:17	MW-SS-08-08-10092025
ZZZZZZ	CS9071.D	10/16/25	19:13	04:44	(unrelated sample)
ZZZZZZ	CS9072.D	10/16/25	19:40	05:11	(unrelated sample)
ZZZZZZ	CS9073.D	10/16/25	20:07	05:38	(unrelated sample)
ZZZZZZ	CS9074.D	10/16/25	20:34	06:05	(unrelated sample)
ZZZZZZ	CS9075.D	10/16/25	21:01	06:32	(unrelated sample)
ZZZZZZ	CS9076.D	10/16/25	21:27	06:58	(unrelated sample)
ZZZZZZ	CS9078.D	10/16/25	22:21	07:52	(unrelated sample)
ZZZZZZ	CS9079.D	10/16/25	22:48	08:19	(unrelated sample)
ZZZZZZ	CS9080.D	10/16/25	23:15	08:46	(unrelated sample)
ZZZZZZ	CS9081.D	10/16/25	23:42	09:13	(unrelated sample)
ZZZZZZ	CS9082.D	10/17/25	00:08	09:39	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample:	ECS468-DFTPP	**Injection Date:**	10/16/25
Lab File ID:	CS9060.D	**Injection Time:**	14:29
Instrument ID:	GCMSCS		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	CS9083.D	10/17/25	00:35	10:06	(unrelated sample)
ECS469-CC446	CS9086.D	10/17/25	12:51	22:22	Continuing cal 0.2
OP68139A-MB1	CS9088.D	10/17/25	13:46	23:17	Method Blank
OP68139A-BS12	CS9089.D	10/17/25	14:13	23:44	Blank Spike
OP68139A-BSD12	CS9090.D	10/17/25	14:40	24:11	Blank Spike Duplicate
ZZZZZZ	CS9091.D	10/17/25	15:06	24:37	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: ECS474-DFTPP
Lab File ID: CS9217.D
Instrument ID: GCMSCS
Injection Date: 10/23/25
Injection Time: 15:45

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	69697	46.9		Pass
68	Less than 2.0% of mass 69	1049	0.71	(1.70) [a]	Pass
69	Mass 69 relative abundance	61779	41.5		Pass
70	Less than 2.0% of mass 69	380	0.26	(0.62) [a]	Pass
127	40.0 - 60.0% of mass 198	80253	54.0		Pass
197	Less than 1.0% of mass 198	802	0.54		Pass
198	Base peak, 100% relative abundance	148725	100.0		Pass
199	5.0 - 9.0% of mass 198	9926	6.67		Pass
275	10.0 - 30.0% of mass 198	28680	19.3		Pass
365	1.0 - 100.0% of mass 198	2747	1.85		Pass
441	Present, but less than mass 443	12018	8.08	(77.1) [b]	Pass
442	40.0 - 100.0% of mass 198	81136	54.6		Pass
443	17.0 - 23.0% of mass 442	15588	10.5	(19.2) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ECS474-CC446	CS9218.D	10/23/25	16:01	00:16	Continuing cal 0.2
OP68446C-MB1	CS9220.D	10/23/25	16:54	01:09	Method Blank
ZZZZZZ	CS9221.D	10/23/25	17:21	01:36	(unrelated sample)
OP68446C-BS12	CS9222.D	10/23/25	17:48	02:03	Blank Spike
OP68446C-BSD12	CS9223.D	10/23/25	18:14	02:29	Blank Spike Duplicate
ZZZZZZ	CS9224.D	10/23/25	18:41	02:56	(unrelated sample)
ZZZZZZ	CS9225.D	10/23/25	19:08	03:23	(unrelated sample)
ZZZZZZ	CS9226.D	10/23/25	19:35	03:50	(unrelated sample)
ZZZZZZ	CS9227.D	10/23/25	20:02	04:17	(unrelated sample)
ZZZZZZ	CS9228.D	10/23/25	20:29	04:44	(unrelated sample)
ZZZZZZ	CS9229.D	10/23/25	20:55	05:10	(unrelated sample)
ZZZZZZ	CS9230.D	10/23/25	21:22	05:37	(unrelated sample)
ZZZZZZ	CS9231.D	10/23/25	21:49	06:04	(unrelated sample)
ZZZZZZ	CS9232.D	10/23/25	22:16	06:31	(unrelated sample)
ZZZZZZ	CS9233.D	10/23/25	22:43	06:58	(unrelated sample)
ZZZZZZ	CS9234.D	10/23/25	23:10	07:25	(unrelated sample)
ZZZZZZ	CS9235.D	10/23/25	23:36	07:51	(unrelated sample)
ZZZZZZ	CS9236.D	10/24/25	00:03	08:18	(unrelated sample)
ZZZZZZ	CS9237.D	10/24/25	00:30	08:45	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample:	ECS474-DFTPP	**Injection Date:**	10/23/25
Lab File ID:	CS9217.D	**Injection Time:**	15:45
Instrument ID:	GCMSCS		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	CS9238.D	10/24/25	00:57	09:12	(unrelated sample)
ZZZZZZ	CS9239.D	10/24/25	01:24	09:39	(unrelated sample)
ZZZZZZ	CS9240.D	10/24/25	01:50	10:05	(unrelated sample)
ECS475-CC446	CS9243.D	10/24/25	12:23	20:38	Continuing cal 0.2
OP68290A-MB1	CS9245.D	10/24/25	13:16	21:31	Method Blank
OP68406A-MB1	CS9246.D	10/24/25	13:43	21:58	Method Blank
ZZZZZZ	CS9247.D	10/24/25	14:10	22:25	(unrelated sample)
OP68290A-BS12	CS9248.D	10/24/25	14:36	22:51	Blank Spike
OP68290A-BSD12	CS9249.D	10/24/25	15:03	23:18	Blank Spike Duplicate
OP68406A-BS12	CS9250.D	10/24/25	15:30	23:45	Blank Spike
OP68406A-BSD12	CS9251.D	10/24/25	15:56	24:11	Blank Spike Duplicate
JE20825-1	CS9252.D	10/24/25	16:23	24:38	MW-EPA-07-10092025

Instrument Performance Check (DFTPP)

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: EZ8654-DFTPP
Lab File ID: Z175452.D
Instrument ID: GCMSZ
Injection Date: 09/10/25
Injection Time: 11:31

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	19401	52.0		Pass
68	Less than 2.0% of mass 69	280	0.75	(1.34) [a]	Pass
69	Mass 69 relative abundance	20904	56.0		Pass
70	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
127	40.0 - 60.0% of mass 198	20591	55.2		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	37320	100.0		Pass
199	5.0 - 9.0% of mass 198	2745	7.36		Pass
275	10.0 - 30.0% of mass 198	9725	26.1		Pass
365	1.0 - 100.0% of mass 198	1119	3.00		Pass
441	Present, but less than mass 443	5183	13.9	(87.9) [b]	Pass
442	40.0 - 100.0% of mass 198	29924	80.2		Pass
443	17.0 - 23.0% of mass 442	5894	15.8	(19.7) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EZ8654-IC8654	Z175453.D	09/10/25	12:13	00:42	Initial cal 0.002
EZ8654-IC8654	Z175454.D	09/10/25	12:38	01:07	Initial cal 0.004
EZ8654-IC8654	Z175455.D	09/10/25	13:05	01:34	Initial cal 0.01
EZ8654-IC8654	Z175456.D	09/10/25	13:29	01:58	Initial cal 0.02
EZ8654-IC8654	Z175457.D	09/10/25	13:54	02:23	Initial cal 0.04
EZ8654-IC8654	Z175458.D	09/10/25	14:19	02:48	Initial cal 0.1
EZ8654-ICC8654	Z175459.D	09/10/25	14:44	03:13	Initial cal 0.2
EZ8654-IC8654	Z175460.D	09/10/25	15:09	03:38	Initial cal 0.5
EZ8654-IC8654	Z175461.D	09/10/25	15:36	04:05	Initial cal 1
EZ8654-IC8654	Z175462.D	09/10/25	16:01	04:30	Initial cal 2
EZ8654-ICV8654	Z175464.D	09/10/25	16:51	05:20	Initial cal verification 1
EZ8654-ICV8654	Z175466.D	09/10/25	17:41	06:10	Initial cal verification 0.2

Instrument Performance Check (DFTPP)

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: EZ8655-DFTPP
Lab File ID: Z175469.D
Instrument ID: GCMSZ
Injection Date: 09/11/25
Injection Time: 12:40

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	14332	42.5		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	16202	48.0		Pass
70	Less than 2.0% of mass 69	129	0.38	(0.80) [a]	Pass
127	40.0 - 60.0% of mass 198	16760	49.6		Pass
197	Less than 1.0% of mass 198	160	0.47		Pass
198	Base peak, 100% relative abundance	33761	100.0		Pass
199	5.0 - 9.0% of mass 198	2355	6.98		Pass
275	10.0 - 30.0% of mass 198	9747	28.9		Pass
365	1.0 - 100.0% of mass 198	1321	3.91		Pass
441	Present, but less than mass 443	5547	16.4	(82.6) [b]	Pass
442	40.0 - 100.0% of mass 198	32045	94.9		Pass
443	17.0 - 23.0% of mass 442	6719	19.9	(21.0) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EZ8655-IC8655	Z175470.D	09/11/25	12:56	00:16	Initial cal 0.002
EZ8655-IC8655	Z175471.D	09/11/25	13:22	00:42	Initial cal 0.004
EZ8655-IC8655	Z175472.D	09/11/25	13:47	01:07	Initial cal 0.01
EZ8655-IC8655	Z175473.D	09/11/25	14:11	01:31	Initial cal 0.02
EZ8655-IC8655	Z175474.D	09/11/25	14:36	01:56	Initial cal 0.04
EZ8655-IC8655	Z175475.D	09/11/25	15:01	02:21	Initial cal 0.1
EZ8655-ICC8655	Z175476.D	09/11/25	15:27	02:47	Initial cal 0.2
EZ8655-IC8655	Z175477.D	09/11/25	15:52	03:12	Initial cal 0.5
EZ8655-IC8655	Z175478.D	09/11/25	16:18	03:38	Initial cal 1
EZ8655-IC8655	Z175479.D	09/11/25	16:42	04:02	Initial cal 2
EZ8655-ICV8655	Z175480.D	09/11/25	17:07	04:27	Initial cal verification 1
EZ8656-CC8654	Z175481.D	09/11/25	18:17	05:37	Continuing cal 0.2
EZ8656-CC8655	Z175482.D	09/11/25	18:43	06:03	Continuing cal 0.2
OP66969A-MB1	Z175484.D	09/11/25	19:32	06:52	Method Blank
OP67021A-MB1	Z175485.D	09/11/25	19:57	07:17	Method Blank
ZZZZZZ	Z175486.D	09/11/25	20:22	07:42	(unrelated sample)
ZZZZZZ	Z175487.D	09/11/25	20:47	08:07	(unrelated sample)
OP67021A-BS12	Z175488.D	09/11/25	21:12	08:32	Blank Spike
OP67021A-BSD12	Z175489.D	09/11/25	21:36	08:56	Blank Spike Duplicate

Instrument Performance Check (DFTPP)

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample:	EZ8655-DFTPP	**Injection Date:**	09/11/25
Lab File ID:	Z175469.D	**Injection Time:**	12:40
Instrument ID:	GCMSZ		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
OP66969A-BS12	Z175490.D	09/11/25	22:01	09:21	Blank Spike
OP66969A-BSD12	Z175491.D	09/11/25	22:26	09:46	Blank Spike Duplicate
ZZZZZZ	Z175492.D	09/11/25	22:51	10:11	(unrelated sample)
ZZZZZZ	Z175493.D	09/11/25	23:16	10:36	(unrelated sample)
ZZZZZZ	Z175494.D	09/11/25	23:41	11:01	(unrelated sample)
ZZZZZZ	Z175495.D	09/12/25	00:06	11:26	(unrelated sample)
ZZZZZZ	Z175496.D	09/12/25	00:31	11:51	(unrelated sample)
ZZZZZZ	Z175497.D	09/12/25	00:56	12:16	(unrelated sample)
ZZZZZZ	Z175498.D	09/12/25	01:21	12:41	(unrelated sample)
ZZZZZZ	Z175499.D	09/12/25	01:46	13:06	(unrelated sample)
ZZZZZZ	Z175500.D	09/12/25	02:11	13:31	(unrelated sample)
ZZZZZZ	Z175501.D	09/12/25	02:36	13:56	(unrelated sample)
ZZZZZZ	Z175502.D	09/12/25	03:01	14:21	(unrelated sample)
ZZZZZZ	Z175503.D	09/12/25	03:26	14:46	(unrelated sample)
ZZZZZZ	Z175504.D	09/12/25	03:51	15:11	(unrelated sample)
ZZZZZZ	Z175505.D	09/12/25	04:16	15:36	(unrelated sample)
ZZZZZZ	Z175506.D	09/12/25	04:41	16:01	(unrelated sample)
ZZZZZZ	Z175507.D	09/12/25	05:06	16:26	(unrelated sample)
ZZZZZZ	Z175508.D	09/12/25	05:31	16:51	(unrelated sample)
EZ8657-CC8654	Z175512.D	09/12/25	07:11	18:31	Continuing cal 0.2
EZ8657-CC8655	Z175513.D	09/12/25	07:35	18:55	Continuing cal 0.2
OP67050A-MB1	Z175515.D	09/12/25	08:25	19:45	Method Blank
OP66962A-MB1	Z175516.D	09/12/25	08:50	20:10	Method Blank
ZZZZZZ	Z175517.D	09/12/25	09:15	20:35	(unrelated sample)
ZZZZZZ	Z175518.D	09/12/25	09:40	21:00	(unrelated sample)
ZZZZZZ	Z175519.D	09/12/25	10:06	21:26	(unrelated sample)
OP67050A-BS12	Z175520.D	09/12/25	10:32	21:52	Blank Spike
OP67050A-BSD12	Z175521.D	09/12/25	10:56	22:16	Blank Spike Duplicate
OP66962A-BS12	Z175522.D	09/12/25	11:21	22:41	Blank Spike
OP66962A-BSD12	Z175523.D	09/12/25	11:46	23:06	Blank Spike Duplicate
ZZZZZZ	Z175524.D	09/12/25	12:11	23:31	(unrelated sample)
ZZZZZZ	Z175525.D	09/12/25	12:38	23:58	(unrelated sample)
ZZZZZZ	Z175526.D	09/12/25	13:03	24:23	(unrelated sample)
ZZZZZZ	Z175527.D	09/12/25	13:28	24:48	(unrelated sample)

Internal Standard Area Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Check Std:	ECS468-CC446	**Injection Date:**	10/16/25
Lab File ID:	CS9061.D	**Injection Time:**	14:46
Instrument ID:	GCMSCS	**Method:**	SW846 8270E BY SIM

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT
Check Std	69876	8.88	85184	10.17	122565	12.73	72185	16.81
Upper Limit [a]	139752	9.38	170368	10.67	245130	13.23	144370	17.31
Lower Limit [b]	34938	8.38	42592	9.67	61283	12.23	36093	16.31

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT
OP68138A-MB1	57558	8.88	71950	10.17	103450	12.73	58846	16.81
OP68138A-BS12	61225	8.88	76244	10.17	109977	12.73	63131	16.81
OP68138A-BSD12	62856	8.88	79333	10.17	113681	12.73	62861	16.81
JE20825-1 [c]	57137	8.88	70631	10.17	102540	12.73	59497	16.81
JE20825-3 [c]	62618	8.88	76265	10.17	111361	12.73	61220	16.80
JE20825-4	66126	8.88	81219	10.17	117990	12.73	61866	16.80
JE20825-5	62279	8.88	77464	10.17	111381	12.73	62527	16.80
ZZZZZZ	57741	8.88	68295	10.17	87459	12.73	49659	16.81
ZZZZZZ	59884	8.88	74750	10.17	94905	12.73	53334	16.81
ZZZZZZ	58694	8.88	74241	10.17	89893	12.73	51985	16.81
ZZZZZZ	59312	8.88	71896	10.17	97394	12.73	54834	16.80
ZZZZZZ	52777	8.88	64928	10.17	87332	12.73	48289	16.80
ZZZZZZ	58899	8.88	70951	10.17	97218	12.73	54471	16.80
ZZZZZZ	53761	8.88	67439	10.17	94883	12.73	51595	16.80
ZZZZZZ	54818	8.88	68806	10.17	97785	12.73	52524	16.80
ZZZZZZ	52392	8.88	63170	10.17	75307	12.73	40967	16.81
ZZZZZZ	51001	8.88	101470	10.17	85269	12.73	48659	16.80
ZZZZZZ	57011	8.88	69043	10.17	91570	12.73	50448	16.80
ZZZZZZ	60073	8.88	75399	10.17	96734	12.73	52080	16.80

IS 1 = 1-Methylnaphthalene-d10
IS 2 = Fluorene-d10
IS 3 = Fluoranthene-d10
IS 4 = Benzo(a)pyrene-d12

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Sample reextracted outside the holding time for confirmation.

Internal Standard Area Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Check Std:	ECS475-CC446	**Injection Date:**	10/24/25
Lab File ID:	CS9243.D	**Injection Time:**	12:23
Instrument ID:	GCMSCS	**Method:**	SW846 8270E BY SIM

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT
Check Std	55622	8.87	69395	10.17	101806	12.72	55967	16.80
Upper Limit [a]	111244	9.37	138790	10.67	203612	13.22	111934	17.30
Lower Limit [b]	27811	8.37	34698	9.67	50903	12.22	27984	16.30

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT
OP68290A-MB1	78402	8.87	97924	10.17	140958	12.72	68140	16.80
OP68406A-MB1	65842	8.87	80992	10.17	115905	12.72	57673	16.80
ZZZZZZ	59769	8.87	73830	10.17	109027	12.72	55012	16.79
OP68290A-BS12	59878	8.87	71790	10.17	98826	12.72	47481	16.79
OP68290A-BSD12	58358	8.87	70954	10.17	100675	12.72	49810	16.80
OP68406A-BS12	56406	8.87	68636	10.17	98023	12.72	48351	16.80
OP68406A-BSD12	54910	8.87	67275	10.17	96187	12.72	47687	16.80
JE20825-1 [c]	61508	8.87	74580	10.16	104900	12.72	48833	16.80
JE20825-3 [d]	62933	8.87	77017	10.17	111105	12.72	52956	16.79
JE20825-4 [d]	64066	8.87	78216	10.17	112660	12.72	53445	16.79
JE20825-5 [d]	67675	8.87	81745	10.17	117281	12.72	54530	16.79
ZZZZZZ	67631	8.87	81241	10.17	115998	12.72	53064	16.79
ZZZZZZ	61542	8.87	73406	10.17	104358	12.72	48161	16.79
ZZZZZZ	58132	8.87	70175	10.17	102274	12.72	49630	16.80
ZZZZZZ	64102	8.87	77490	10.16	111491	12.72	51556	16.80
ZZZZZZ	61855	8.87	75913	10.17	112809	12.72	54787	16.79
ZZZZZZ	71323	8.87	85673	10.16	119321	12.72	56557	16.80
ZZZZZZ	56262	8.87	68729	10.17	101518	12.72	47248	16.79
ZZZZZZ	61046	8.87	73742	10.16	105762	12.72	49919	16.79
ZZZZZZ	61898	8.87	74131	10.17	99135	12.72	47265	16.79
ZZZZZZ	53388	8.87	65641	10.17	93163	12.72	45143	16.79
ZZZZZZ	60791	8.87	73209	10.16	102725	12.72	47603	16.79
ZZZZZZ	45107	8.87	70066	10.17	97854	12.72	52087	16.79
ZZZZZZ	60875	8.87	89114	10.17	107967	12.72	54017	16.79

IS 1 = 1-Methylnaphthalene-d10
IS 2 = Fluorene-d10
IS 3 = Fluoranthene-d10
IS 4 = Benzo(a)pyrene-d12

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Sample extracted outside the holding time.Confirmation run
(d) Sample extracted outside the holding time. Confirmation run.

Internal Standard Area Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Check Std: EZ8689-CC8654
Lab File ID: Z176436.D
Instrument ID: GCMSZ
Injection Date: 10/18/25
Injection Time: 13:05
Method: SW846 8270E BY SIM

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT
Check Std	11528	5.89	16543	7.13	30209	9.78	21012	13.95
Upper Limit [a]	23056	6.39	33086	7.63	60418	10.28	42024	14.45
Lower Limit [b]	5764	5.39	8272	6.63	15105	9.28	10506	13.45

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT
OP68209A-MB1	11389	5.89	14762	7.14	27688	9.79	18506	13.95
ZZZZZZ	10367	5.89	14227	7.13	24944	9.79	17682	13.96
OP68192A-MB1	13323	5.89	18292	7.13	32985	9.79	23041	13.95
OP68138A-MB2	14607	5.89	19697	7.14	36715	9.78	23888	13.95
OP68255A-MB1	13130	5.89	17294	7.14	31992	9.78	22376	13.95
OP68192A-BS12	13067	5.89	18548	7.14	32939	9.79	21265	13.96
OP68192A-BSD12	12572	5.89	17630	7.14	32472	9.78	21157	13.95
OP68138A-BS122	12356	5.89	17371	7.14	30949	9.78	20654	13.95
OP68255A-BS12	13073	5.89	18264	7.14	33642	9.78	21481	13.95
OP68255A-BSD12	13169	5.89	18952	7.14	33149	9.78	22610	13.95
ZZZZZZ	13082	5.89	18294	7.14	31674	9.78	22480	13.95
ZZZZZZ	13325	5.89	18052	7.14	31851	9.78	23277	13.95
ZZZZZZ	13916	5.89	18563	7.14	33678	9.78	25131	13.95
ZZZZZZ	13287	5.89	18734	7.14	32186	9.78	21215	13.95
ZZZZZZ	13399	5.89	18963	7.14	32185	9.78	21281	13.95
ZZZZZZ	13109	5.89	18533	7.13	31940	9.78	22526	13.95
ZZZZZZ	14501	5.89	20173	7.14	35408	9.78	25671	13.95
OP68138A-MSA	16650	5.89	23317	7.13	35019	9.78	23767	13.95
OP68138A-MSDA	15882	5.89	22093	7.14	33178	9.78	22372	13.95
ZZZZZZ	16014	5.89	23706	7.14	36228	9.79	29579	13.95

IS 1 = 1-Methylnaphthalene-d10
IS 2 = Fluorene-d10
IS 3 = Fluoranthene-d10
IS 4 = Benzo(a)pyrene-d12

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Internal Standard Area Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Check Std:	EZ8699-CC8654	**Injection Date:**	10/27/25
Lab File ID:	Z176712.D	**Injection Time:**	10:05
Instrument ID:	GCMSZ	**Method:**	SW846 8270E BY SIM

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT
Check Std	13664	5.93	18689	7.19	28018	9.85	18278	14.03
Upper Limit [a]	27328	6.43	37378	7.69	56036	10.35	36556	14.53
Lower Limit [b]	6832	5.43	9345	6.69	14009	9.35	9139	13.53

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT
ZZZZZZ	16061	5.93	20038	7.19	31677	9.85	20509	14.04
ZZZZZZ	17060	5.93	21997	7.20	34356	9.85	21723	14.04
ZZZZZZ	16228	5.93	21117	7.20	34076	9.85	21782	14.03
ZZZZZZ	18898	5.93	23622	7.19	34977	9.85	21467	14.04
ZZZZZZ	20603	5.93	26373	7.19	37155	9.85	22812	14.03
ZZZZZZ	17636	5.93	23033	7.19	35674	9.85	22829	14.03
ZZZZZZ	16773	5.93	23023	7.19	36050	9.85	28703	14.03
ZZZZZZ	16668	5.93	20626	7.19	33529	9.85	26456	14.04
ZZZZZZ	16969	5.93	21542	7.19	34418	9.85	26693	14.03
ZZZZZZ	17358	5.93	22700	7.19	38401	9.85	22232	14.04
ZZZZZZ	18879	5.93	25606	7.19	40344	9.85	24287	14.04
ZZZZZZ	20408	5.93	25657	7.19	39800	9.86	24728	14.04
ZZZZZZ	18071	5.93	23306	7.19	35764	9.85	21563	14.04
ZZZZZZ	20427	5.93	25679	7.19	39875	9.85	25672	14.02
ZZZZZZ	17915	5.93	22528	7.19	36274	9.85	23895	14.03
JE20825-1	14693	5.93	19400	7.19	31955	9.85	19231	14.04
JE20825-1	12696	5.93	15611	7.20	26114	9.85	16275	14.04
JE20825-3	14423	5.93	18470	7.20	30521	9.85	18511	14.04
JE20825-3	14057	5.93	18083	7.20	29197	9.86	17733	14.04
ZZZZZZ	13554	5.93	17340	7.20	27838	9.85	17775	14.04
ZZZZZZ	18574	5.93	37233	7.19	29289	9.85	19238	14.03

IS 1 = 1-Methylnaphthalene-d10
IS 2 = Fluorene-d10
IS 3 = Fluoranthene-d10
IS 4 = Benzo(a)pyrene-d12

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Surrogate Recovery Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Method: SW846 8270E BY SIM **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3
JE20825-1	CS9066.D	38	41	69
JE20825-1	Z176731.D	0* [a]	0* [a]	0* [a]
JE20825-1	Z176730.D	32	42	66
JE20825-1	CS9252.D	56	52	74
JE20825-3	CS9253.D	64	59	70
JE20825-3	Z176732.D	41	48	67
JE20825-3	CS9068.D	46	40	64
JE20825-3	Z176733.D	0* [a]	0* [a]	0* [a]
JE20825-4	CS9254.D	50	50	74
JE20825-4	CS9069.D	45	43	70
JE20825-5	CS9070.D	42	39	60
JE20825-5	CS9255.D	31	34	53
OP68138A-BS12	CS9064.D	42	31	73
OP68138A-BSD12	CS9065.D	46	31	76
OP68138A-MB1	CS9063.D	42	32	63
OP68138A-MSA	Z176457.D	59	58	54
OP68138A-MSDA	Z176458.D	62	62	57
OP68138A-MB2	Z176443.D	53	49	56

Surrogate Compounds	Recovery Limits
S1 = Nitrobenzene-d5	29-124%
S2 = 2-Fluorobiphenyl	23-122%
S3 = Terphenyl-d14	22-130%

(a) Outside control limits due to dilution.

Initial Calibration Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: ECS446-ICC446
Lab FileID: CS8574.D

Response Factor Report GCMS_CS

Method : D:\MassHunter\GC...s\mcs446SIMLVI.M (RTE Integrator)
Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
Last Update : Wed Sep 17 17:26:33 2025
Response via : Initial Calibration

Calibration Files
.002=cs8568.D 1.0 =cs8576.D 0.5 =cs8575.D 0.2 =cs8574.D
0.1 =cs8573.D 0.04=cs8572.D 0.02=cs8571.D 0.01=cs8570.D
.004=cs8569.D 2 =cs8577.D = =

Compound	.002	1.0	0.5	0.2	0.1	0.04	0.02	0.01	.004	2	Avg	%RSD
1) I 1-Methylnaphthalene-d	ISTD											
2) 1,4-Dioxane	0.386	0.383	0.371	0.339	0.290	0.316				0.393	0.354	11.19
3) 2-Fluorophenol	0.772	0.704	0.785	0.836	0.829	0.805	0.785	0.744	0.767	0.638	0.767	7.77
4) Phenol-d5	0.905	0.847	0.919	0.967	0.973	0.945	0.927	0.877	0.905	0.786	0.905	6.27
5) Phenol	1.111	0.955	1.034	1.095	1.105	1.082	1.064	1.035	1.090	0.895	1.047	6.75
6) Nitrobenzene-d5	0.744	0.690	0.739	0.785	0.797	0.785	0.773	0.741	0.764	0.650	0.747	6.17
7) Naphthalene	3.161	2.774	2.814	2.859	2.866	2.832	2.872	2.777	3.027	2.732	2.872	4.52
8) Hexachlorobutadiene	0.457	0.398	0.407	0.418	0.420	0.417	0.429	0.424	0.441	0.394	0.420	4.51
9) 2-Methylnaphthalene	1.803	1.551	1.567	1.583	1.578	1.554	1.573	1.541	1.679	1.519	1.595	5.30
10) 1-Methylnaphthalene	1.624	1.481	1.500	1.524	1.522	1.497	1.495	1.459	1.623	1.448	1.517	4.00
11) I Fluorene-d10	ISTD											
12) 2-Fluorobiphenyl	1.072	1.219	1.337	1.383	1.413	1.435	1.391	1.478	0.943		1.297	14.05
13) Acenaphthylene	1.845	2.074	2.055	2.033	1.937	1.882	1.898	1.818	1.936	2.075	1.955	4.96
14) Acenaphthene	1.413	1.323	1.356	1.389	1.364	1.353	1.371	1.336	1.413	1.287	1.361	2.88
15) Fluorene	1.666	1.541	1.562	1.569	1.562	1.555	1.540	1.486	1.549	1.501	1.553	3.09
16) 4,6-dinitro-2-methylphenol	0.223	0.189	0.141	0.109	0.064	0.051	0.029				0.115	63.29
---- Quadratic regression ---- Coefficient = 0.9973												
Response Ratio = -0.00978 + 0.13326 *A + 0.01503 *A^2												
17) 2,4,6-Tribromophenol	0.121	0.143	0.152	0.151	0.149	0.135	0.126	0.120	0.104	0.129	0.133	11.86
18) I Fluoranthene-d10	ISTD											
19) Hexachlorobenzene	0.290	0.270	0.273	0.272	0.269	0.263	0.269	0.252	0.303	0.269	0.273	5.13
20) Pentachlorophenol	0.170	0.139	0.124	0.056	0.076	0.074	0.079				0.102	41.07
---- Quadratic regression ---- Coefficient = 0.9932												
Response Ratio = -0.00186 + 0.10429 *A + 0.02156 *A^2												

Initial Calibration Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: ECS446-ICC446
Lab FileID: CS8574.D

```
21)  Phenanthrene
          1.385 1.444 1.461 1.460 1.441 1.410 1.390 1.342 1.439 1.417  1.419    2.68
22)  Anthracene
          1.263 1.420 1.420 1.384 1.324 1.280 1.241 1.171 1.177 1.404  1.308    7.37
23)  Fluoranthene
          1.437 1.509 1.519 1.529 1.534 1.497 1.476 1.410 1.511 1.472  1.489    2.72
24)  Pyrene
          1.546 1.550 1.546 1.553 1.530 1.468 1.473 1.406 1.554 1.507  1.513    3.27
25)  Terphenyl-d14
          0.603 0.503 0.559 0.607 0.617 0.610 0.606 0.585 0.604 0.445  0.574    9.91
26)  Benzo[a]anthracene
          1.092 1.156 1.130 1.133 1.086 1.054 1.049 1.025 1.076 1.126  1.093    3.93
27)  Chrysene
          1.102 1.102 1.115 1.140 1.102 1.070 1.069 1.027 1.064 1.053  1.085    3.09

28) I   Benzo(a)pyrene-d12    ----------------ISTD---------------------
29)  Benzo[b]fluoranthene
          1.690 1.779 1.764 1.783 1.766 1.724 1.733 1.711 1.789 1.743  1.748    1.90
30)  Benzo[k]fluoranthene
          1.371 1.716 1.718 1.731 1.649 1.612 1.620 1.565 1.661 1.659  1.630    6.45
31)  Benzo[a]pyrene
          1.807 1.656 1.641 1.644 1.616 1.568 1.627 1.546 1.483 1.623  1.621    5.22
32)  Indeno[1,2,3-cd]pyrene
          1.340 1.325 1.334 1.342 1.251 1.227 1.260 1.132 1.209 1.367  1.279    5.89
33)  Dibenz[a,h]anthracene
          1.205 1.271 1.303 1.270 1.239 1.056 1.189 0.998 1.170 1.285  1.199    8.42
34)  Benzo[g,h,i]perylene
          1.383 1.275 1.301 1.305 1.262 1.241 1.246 1.146 1.307 1.281  1.275    4.76
----------------------------------------------------------------------------
(#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          mcs446SIMLVI.M        Wed Sep 17 17:40:53 2025
```

8.7.1

8

Initial Calibration Verification

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: ECS446-ICV446
Lab FileID: CS8578.D

Evaluate Continuing Calibration Report

Data File : D:\MassHunter\GCMS\1\data\ECS446\cs8578.D Vial: 52
Acq On : 17 Sep 2025 03:56 pm Operator: rocquans
Sample : icv446-0.2 Inst : GCMS_CS
Misc : op67159a,ecs446,250,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : D:\MassHunter\GC...s\mcs446SIMLVI.M (RTE Integrator)
Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
Last Update : Wed Sep 17 17:26:33 2025
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1-Methylnaphthalene-d10	1.000	1.000	0.0	102	0.00	9.08
2	t	1,4-Dioxane	0.354	0.357	-0.8	98	0.00	4.47
7	t	Naphthalene	2.872	2.996	-4.3	107	0.00	8.47
8	t	Hexachlorobutadiene	0.420	0.427	-1.7	104	0.00	8.62
9	t	2-Methylnaphthalene	1.595	1.454	8.8	94	0.00	9.02
10	t	1-Methylnaphthalene	1.517	1.579	-4.1	106	0.00	9.10
11	I	Fluorene-d10	1.000	1.000	0.0	102	0.00	10.39
13	t	Acenaphthylene	1.955	2.089	-6.9	105	0.00	9.78
14	t	Acenaphthene	1.361	1.370	-0.7	100	0.00	9.94
15	t	Fluorene	1.553	1.559	-0.4	101	0.00	10.42
18	I	Fluoranthene-d10	1.000	1.000	0.0	102	0.00	12.98
19	t	Hexachlorobenzene	0.273	0.283	-3.7	106	0.00	11.10
21	t	Phenanthrene	1.419	1.483	-4.5	103	0.00	11.46
22	t	Anthracene	1.308	1.368	-4.6	101	0.00	11.52
23	t	Fluoranthene	1.489	1.505	-1.1	100	0.00	13.01
24	t	Pyrene	1.513	1.509	0.3	99	0.00	13.32
26	t	Benzo[a]anthracene	1.093	1.089	0.4	98	0.00	15.10
27	t	Chrysene	1.085	1.094	-0.8	98	0.00	15.16
28	I	Benzo(a)pyrene-d12	1.000	1.000	0.0	99	0.00	17.07
29	t	Benzo[b]fluoranthene	1.748	1.751	-0.2	98	0.00	16.67
30	t	Benzo[k]fluoranthene	1.630	1.839	-12.8	106	0.00	16.71
31	t	Benzo[a]pyrene	1.621	1.623	-0.1	98	0.00	17.11
32	t	Indeno[1,2,3-cd]pyrene	1.279	1.305	-2.0	97	0.00	18.70
33	t	Dibenz[a,h]anthracene	1.199	1.249	-4.2	98	0.00	18.73
34	t	Benzo[g,h,i]perylene	1.275	1.273	0.2	97	0.00	19.09

(#) = Out of Range SPCC's out = 0 CCC's out = 0
cs8574.D mcs446SIMLVI.M Wed Sep 17 17:37:34 2025

8.7.2

8

Initial Calibration Verification

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: ECS446-ICV446
Lab FileID: CS8579.D

Evaluate Continuing Calibration Report

Data File : D:\MassHunter\GCMS\1\data\ECS446\cs8579.D Vial: 53
Acq On : 17 Sep 2025 04:22 pm Operator: rocquans
Sample : icv446-1 Inst : GCMS_CS
Misc : op67159a,ecs446,250,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : D:\MassHunter\GC...s\mcs446SIMLVI.M (RTE Integrator)
Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
Last Update : Wed Sep 17 17:26:33 2025
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	1-Methylnaphthalene-d10	1.000	1.000	0.0	102	0.00	9.08
5	Phenol	1.047	1.198	-14.4	112	0.00	7.20
11 I	Fluorene-d10	1.000	1.000	0.0	104	0.00	10.39
	----------	True	Calc.	% Drift	----------		
16	4,6-dinitro-2-methylpheno	1000.000	1276.438	-27.6	142	0.00	10.51
	----------	AvgRF	CCRF	% Dev	----------		
18 I	Fluoranthene-d10	1.000	1.000	0.0	102	0.00	12.98
	----------	True	Calc.	% Drift	----------		
20 t	Pentachlorophenol	1000.000	1137.196	-13.7	138	0.00	11.29

(#) = Out of Range SPCC's out = 0 CCC's out = 0
cs8574.D mcs446SIMLVI.M Wed Sep 17 17:37:37 2025

8.7.3

Continuing Calibration Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: ECS468-CC446
Lab FileID: CS9061.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton SVOA GCMS\recheleb\ecs468\cs9061.D Vial: 3
Acq On : 16 Oct 2025 02:46 pm Operator: alejanda
Sample : cc446-0.2 Inst : GCMS_CS
Misc : op68079a,ecs468,250,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : X:\Dayton SVOA G...s\mcs446SIMLVI.M (RTE Integrator)
Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
Last Update : Fri Oct 17 01:42:09 2025
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1-Methylnaphthalene-d10	1.000	1.000	0.0	122	0.00	8.88
2	t	1,4-Dioxane	0.354	0.417	-17.8	137	0.00	4.19
3	S	2-Fluorophenol	0.767	0.911	-18.8	133	0.00	6.07
4	S	Phenol-d5	0.905	1.052	-16.2	132	0.00	7.02
5		Phenol	1.047	1.196	-14.2	133	0.00	7.03
6	S	Nitrobenzene-d5	0.747	0.827	-10.7	128	0.00	7.69
7	t	Naphthalene	2.872	3.009	-4.8	128	0.00	8.27
8	t	Hexachlorobutadiene	0.420	0.444	-5.7	129	0.00	8.43
9	t	2-Methylnaphthalene	1.595	1.627	-2.0	125	0.00	8.82
10	t	1-Methylnaphthalene	1.517	1.554	-2.4	124	0.00	8.90
11	I	Fluorene-d10	1.000	1.000	0.0	114	0.00	10.17
12	S	2-Fluorobiphenyl	1.297	1.398	-7.8	120	0.00	9.13
13	t	Acenaphthylene	1.955	2.246	-14.9	126	0.00	9.57
14	t	Acenaphthene	1.361	1.452	-6.7	120	0.00	9.73
15	t	Fluorene	1.553	1.627	-4.8	119	0.00	10.20
			True	Calc.	% Drift			
16		4,6-dinitro-2-methylpheno	1000.000	1237.610	-23.8#	151	0.00	10.30
			AvgRF	CCRF	% Dev			
17	S	2,4,6-Tribromophenol	0.133	0.165	-24.1#	125	0.00	10.46
18	I	Fluoranthene-d10	1.000	1.000	0.0	110	0.00	12.73
19	t	Hexachlorobenzene	0.273	0.302	-10.6	121	0.00	10.86
			True	Calc.	% Drift			
20	t	Pentachlorophenol	1000.000	1139.919	-14.0	120	0.00	11.07
			AvgRF	CCRF	% Dev			
21	t	Phenanthrene	1.419	1.541	-8.6	116	0.00	11.23
22	t	Anthracene	1.308	1.527	-16.7	121	0.00	11.28
23	t	Fluoranthene	1.489	1.576	-5.8	113	0.00	12.75
24	t	Pyrene	1.513	1.610	-6.4	114	0.00	13.06
25	S	Terphenyl-d14	0.574	0.605	-5.4	109	0.00	13.34
26	t	Benzo[a]anthracene	1.093	1.217	-11.3	118	0.00	14.84
27	t	Chrysene	1.085	1.151	-6.1	111	0.00	14.90
28	I	Benzo(a)pyrene-d12	1.000	1.000	0.0	116	0.00	16.81
29	t	Benzo[b]fluoranthene	1.748	1.794	-2.6	116	0.00	16.41
30	t	Benzo[k]fluoranthene	1.630	1.707	-4.7	114	0.00	16.44
31	t	Benzo[a]pyrene	1.621	1.658	-2.3	117	0.00	16.84

Continuing Calibration Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: ECS468-CC446
Lab FileID: CS9061.D

32	t	Indeno[1,2,3-cd]pyrene	1.279	1.458	-14.0	126	0.00	18.37
33	t	Dibenz[a,h]anthracene	1.199	1.346	-12.3	122	0.00	18.40
34	t	Benzo[g,h,i]perylene	1.275	1.335	-4.7	118	0.00	18.74

(#) = Out of Range SPCC's out = 0 CCC's out = 0
cs9061.D mcs446SIMLVI.M Fri Oct 17 01:46:19 2025

Continuing Calibration Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: ECS475-CC446
Lab FileID: CS9243.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton SVOA GCMS\johanv\ecs475\cs9243.D Vial: 2
Acq On : 24 Oct 2025 12:23 pm Operator: alejanda
Sample : cc446-0.2 Inst : GCMS_CS
Misc : op68446c,ecs475,250,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : X:\Dayton SVOA G...5\mcs446SIMLVI.M (RTE Integrator)
Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
Last Update : Wed Sep 17 17:26:33 2025
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1-Methylnaphthalene-d10	1.000	1.000	0.0	97	0.00	8.87
2	t	1,4-Dioxane	0.354	0.442	-24.9#	116	0.00	4.19
3	S	2-Fluorophenol	0.767	0.904	-17.9	105	0.00	6.06
4	S	Phenol-d5	0.905	1.036	-14.5	104	0.00	7.01
5		Phenol	1.047	1.194	-14.0	106	0.00	7.02
6	S	Nitrobenzene-d5	0.747	0.817	-9.4	101	0.00	7.69
7	t	Naphthalene	2.872	2.985	-3.9	101	0.00	8.27
8	t	Hexachlorobutadiene	0.420	0.439	-4.5	102	0.00	8.42
9	t	2-Methylnaphthalene	1.595	1.617	-1.4	99	0.00	8.81
10	t	1-Methylnaphthalene	1.517	1.551	-2.2	99	0.00	8.90
11	I	Fluorene-d10	1.000	1.000	0.0	93	0.00	10.17
12	S	2-Fluorobiphenyl	1.297	1.403	-8.2	98	0.00	9.12
13	t	Acenaphthylene	1.955	2.100	-7.4	96	0.00	9.56
14	t	Acenaphthene	1.361	1.429	-5.0	96	0.00	9.72
15	t	Fluorene	1.553	1.613	-3.9	96	0.00	10.20
		----------	True	Calc.	% Drift	----------		
16		4,6-dinitro-2-methylpheno	1000.000	1212.112	-21.2#	120	0.00	10.29
		----------	AvgRF	CCRF	% Dev	----------		
17	S	2,4,6-Tribromophenol	0.133	0.161	-21.1#	99	0.00	10.46
18	I	Fluoranthene-d10	1.000	1.000	0.0	91	0.00	12.72
19	t	Hexachlorobenzene	0.273	0.293	-7.3	98	0.00	10.86
		----------	True	Calc.	% Drift	----------		
20	t	Pentachlorophenol	1000.000	1126.899	-12.7	98	0.00	11.06
		----------	AvgRF	CCRF	% Dev	----------		
21	t	Phenanthrene	1.419	1.519	-7.0	95	0.00	11.22
22	t	Anthracene	1.308	1.463	-11.9	96	0.00	11.27
23	t	Fluoranthene	1.489	1.583	-6.3	94	0.00	12.75
24	t	Pyrene	1.513	1.585	-4.8	93	0.00	13.05
25	S	Terphenyl-d14	0.574	0.629	-9.6	94	0.00	13.33
26	t	Benzo[a]anthracene	1.093	1.168	-6.9	94	0.00	14.83
27	t	Chrysene	1.085	1.161	-7.0	93	0.00	14.89
28	I	Benzo(a)pyrene-d12	1.000	1.000	0.0	90	0.00	16.80
29	t	Benzo[b]fluoranthene	1.748	1.782	-1.9	90	0.00	16.40
30	t	Benzo[k]fluoranthene	1.630	1.735	-6.4	90	0.00	16.44
31	t	Benzo[a]pyrene	1.621	1.645	-1.5	90	0.00	16.83

Continuing Calibration Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: ECS475-CC446
Lab FileID: CS9243.D

32	t	Indeno[1,2,3-cd]pyrene	1.279	1.552	-21.3#	104	0.00	18.37
33	t	Dibenz[a,h]anthracene	1.199	1.240	-3.4	87	0.00	18.39
34	t	Benzo[g,h,i]perylene	1.275	1.552	-21.7#	107	0.00	18.37

(#) = Out of Range SPCC's out = 0 CCC's out = 0
cs8574.D mcs446SIMLVI.M Fri Oct 24 20:47:27 2025

8.7.5

8

Initial Calibration Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: EZ8654-ICC8654
Lab FileID: Z175459.D

Response Factor Report GCMSZ

Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M (RTE Integrator)
Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
Last Update : Thu Sep 11 11:26:20 2025
Response via : Initial Calibration

Calibration Files
.002=Z175453.D 1.0 =Z175461.D 0.5 =Z175460.D 0.2 =Z175459.D
0.1 =Z175458.D 0.04=Z175457.D 0.02=Z175456.D 0.01=Z175455.D
.004=Z175454.D 2 =Z175462.D = =

Compound	.002	1.0	0.5	0.2	0.1	0.04	0.02	0.01	.004	2	Avg	%RSD
1) I 1-Methylnaphthalene-d	----------ISTD----------											
2) 1,4-Dioxane	0.330	0.311	0.319	0.314	0.326	0.282	0.274			0.305	0.308	6.49
3) 2-Fluorophenol	0.505	0.597	0.608	0.656	0.587	0.548	0.500	0.362	0.506		0.541	15.89
4) Phenol-d5	0.633	0.638	0.665	0.627	0.678	0.627	0.478			0.621	0.621	9.82
5) Phenol	0.691	0.664	0.674	0.653	0.702	0.599	0.477			0.761	0.653	12.95
6) Nitrobenzene-d5	0.679	0.704	0.738	0.768	0.682	0.562	0.573			0.643	0.669	10.94
7) Naphthalene	1.910	2.357	2.294	2.287	2.141	2.393	2.170	2.430	1.847	2.196	2.203	8.88
8) Hexachlorobutadiene	0.624	0.558	0.567	0.607	0.601	0.557	0.548	0.580	0.576	0.531	0.575	4.99
9) 2-Methylnaphthalene	1.351	1.383	1.419	1.387	1.160	0.970	1.247			1.263	1.272	11.81
10) 1-Methylnaphthalene	1.241	1.372	1.452	1.413	1.251	1.502	1.380			1.169	1.347	8.58
11) Hexachlorocyclopentadiene											0.000#	-1.00
12) I Fluorene-d10	----------ISTD----------											
13) 2-Fluorobiphenyl	0.940	1.033	1.184	1.306	1.244	1.261	1.141	1.101	0.883		1.121	13.01
14) Acenaphthylene	1.749	1.684	1.712	1.704	1.492	1.579	1.178	1.403	1.648		1.572	11.84
15) Acenaphthene	1.303	1.152	1.126	1.204	1.172	1.106	1.109	0.978	1.138	1.045	1.133	7.74
16) Fluorene	1.355	1.366	1.387	1.353	1.180	1.112	0.709			1.248	1.214	18.69
17) 4,6-dinitro-2-methylphenol	0.177	0.139	0.105	0.087	0.047	0.027				0.186	0.110	55.70
---- Quadratic regression ---- Coefficient = 0.9955												
Response Ratio = -0.02014 + 0.13837 *A + 0.00417 *A^2												
18) 2,4,6-Tribromophenol	0.214	0.194	0.200	0.211	0.210	0.181	0.157	0.161	0.168	0.169	0.187	11.71
19) Fluoranthene-d10	----------ISTD----------											
20) Hexachlorobenzene	0.415	0.289	0.289	0.288	0.281	0.248	0.252	0.227	0.274	0.284	0.285	17.71

Initial Calibration Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: EZ8654-ICC8654
Lab FileID: Z175459.D

```
22)  Phenanthrene
          1.195 1.091 1.121 1.012 0.942 0.870 0.889 0.767 0.897 1.059  0.984   13.54
23)  Anthracene
          1.726 1.140 1.197 1.257 1.316 1.194 1.210 1.179 1.229 1.068  1.252   14.33
24)  Fluoranthene
                1.184 1.228 1.205 1.197 1.208 1.269 1.336 1.436 1.126  1.243    7.47
25)  Pyrene
                1.239 1.290 1.268 1.228 1.282 1.217 1.304 1.536 1.180  1.283    8.02
26)  Terphenyl-d14
                0.572 0.611 0.712 0.726 0.739 0.715 0.669 0.734 0.509  0.665   12.38
27)  Benzo[a]anthracene
                0.926 0.885 0.804 0.718 0.711 0.682 0.873 1.104 0.892  0.844   15.73
28)  Chrysene
                1.154 1.155 1.381 1.333 1.374 1.382 1.678       1.025  1.310   15.27

29) I   Benzo(a)pyrene-d12    ----------------ISTD---------------------
30)  Benzo[b]fluoranthene
                1.441 1.305 1.108 1.243 1.213 1.222 1.351 1.772 1.305  1.329   14.37
31)  Benzo[k]fluoranthene
                1.405 1.555 1.748 1.580 1.524 1.691 1.712 1.853 1.430  1.611    9.34
32)  Benzo[a]pyrene
                1.373 1.342 1.336 1.350 1.395 1.435 1.856       1.314  1.425   12.52
33)  Indeno[1,2,3-cd]pyrene
                1.799 1.535 1.512 1.606 1.616 1.619 1.699 1.865 2.066  1.702   10.51
34)  Dibenz[a,h]anthracene
                1.426 1.264 1.252 1.300 1.297 1.229 1.272 1.633 1.585  1.362   11.10
35)  Benzo[g,h,i]perylene
                1.543 1.246 1.319 1.338 1.287 1.257 1.499 1.541 1.771  1.422   12.45

36)     1-Methylnaphthalene-d ----------------ISTD---------------------
37)  bis(2-chloroethyl)ether
                                                                       0.000#  -1.00
--------------------------------------------------------------------------------
(#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          MZ8654SIMLVI.M        Thu Sep 11 11:33:49 2025
```

8.7.6

8

Initial Calibration Verification

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: EZ8654-ICV8654
Lab FileID: Z175464.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\EZ8654\Z175464.D Vial: 13
Acq On : 10 Sep 2025 4:51 pm Operator: rocquans
Sample : icv8654-1 Inst : GCMSZ
Misc : op66828a,ez8654,250,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M (RTE Integrator)
Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
Last Update : Thu Sep 11 12:00:16 2025
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	1-Methylnaphthalene-d10	1.000	1.000	0.0	107	0.00	6.02
5	Phenol	0.653	0.762	-16.7	121	0.01	4.35
12 I	Fluorene-d10	1.000	1.000	0.0	103	0.00	7.30
		True	Calc.	% Drift			
17	4,6-dinitro-2-methylpheno	1000.000	1166.244	-16.6	148	0.00	7.42

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Z175459.D MZ8654SIMLVI.M Thu Sep 11 12:12:27 2025

8.7.7

Initial Calibration Verification

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: EZ8654-ICV8654
Lab FileID: Z175466.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\EZ8654\Z175466.D Vial: 14
Acq On : 10 Sep 2025 5:41 pm Operator: rocquans
Sample : icv86540.2 Inst : GCMSZ
Misc : op66828a,ez8654,250,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M (RTE Integrator)
Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
Last Update : Thu Sep 11 11:26:20 2025
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1-Methylnaphthalene-d10	1.000	1.000	0.0	94	0.00	6.01
2	t	1,4-Dioxane	0.308	0.356	-15.6	104	-0.05	2.19
7	t	Naphthalene	2.203	2.427	-10.2	100	0.00	5.47
8	t	Hexachlorobutadiene	0.575	0.608	-5.7	94	0.00	5.55
9	t	2-Methylnaphthalene	1.272	1.088	14.5	72	0.00	5.98
10	t	1-Methylnaphthalene	1.347	1.490	-10.6	96	0.00	6.04
12	I	Fluorene-d10	1.000	1.000	0.0	97	0.00	7.30
14	t	Acenaphthylene	1.572	1.591	-1.2	90	0.00	6.69
15	t	Acenaphthene	1.133	1.127	0.5	91	0.00	6.84
16	t	Fluorene	1.214	1.268	-4.4	89	0.00	7.33
19		Fluoranthene-d10	1.000	1.000	0.0	96	0.00	10.00
20	t	Hexachlorobenzene	0.285	0.277	2.8	92	0.01	7.93

			AvgRF	CCRF	% Dev			
22	t	Phenanthrene	0.984	0.952	3.3	91	0.00	8.43
23	t	Anthracene	1.252	1.263	-0.9	97	0.00	8.49
24	t	Fluoranthene	1.243	1.186	4.6	95	0.00	10.02
25	t	Pyrene	1.283	1.242	3.2	94	0.00	10.35
27	t	Benzo[a]anthracene	0.844	0.747	11.5	90	0.00	12.20
28	t	Chrysene	1.310	1.365	-4.2	95	0.00	12.25
29	I	Benzo(a)pyrene-d12	1.000	1.000	0.0	92	0.00	14.20
30	t	Benzo[b]fluoranthene	1.329	1.327	0.2	110	0.00	13.78
31	t	Benzo[k]fluoranthene	1.611	1.796	-11.5	94	0.00	13.82
32	t	Benzo[a]pyrene	1.425	1.408	1.2	97	0.00	14.22
33	t	Indeno[1,2,3-cd]pyrene	1.702	1.715	-0.8	104	0.00	15.67
34	t	Dibenz[a,h]anthracene	1.362	1.401	-2.9	103	0.00	15.70
35	t	Benzo[g,h,i]perylene	1.422	1.415	0.5	98	0.00	16.01

Initial Calibration Verification

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: EZ8654-ICV8654
Lab FileID: Z175466.D

```
(#) = Out of Range                SPCC's out = 0  CCC's out = 0
 Z175459.D  MZ8654SIMLVI.M        Thu Sep 11 11:34:14 2025
```

Initial Calibration Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: EZ8655-ICC8655
Lab FileID: Z175476.D

```
                        Response Factor Report  GCMSZ

 Method       : C:\MSDCHEM\1\METHODS\MZ8655SIMLVI.M (RTE Integrator)
 Title        : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
 Last Update  : Thu Sep 11 17:29:52 2025
 Response via : Initial Calibration

 Calibration Files
 .002=Z175470.D  1.0 =Z175478.D  0.5 =Z175477.D  0.2 =Z175476.D
 0.1 =Z175475.D  0.04=Z175474.D  0.02=Z175473.D  0.01=Z175472.D
 .004=Z175471.D  2   =Z175479.D      =               =

 Compound
             .002  1.0   0.5   0.2   0.1   0.04  0.02  0.01  .004  2      Avg    %RSD
 ---------------------------------------------------------------------------


37) I   Fluoranthene-d10a     ----------------ISTD---------------------
38)  Pentachlorophenol
                0.116 0.097 0.099 0.097 0.094 0.101 0.109 0.149 0.136  0.111   17.58
            ---- Linear regression ----  Coefficient =  0.9919
              Response Ratio = -0.03087 + 0.13353 *A

---------------------------------------------------------------------------
(#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          MZ8654SIMLVI.M        Thu Sep 11 17:34:32 2025
```

8.7.9

8

Initial Calibration Verification

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: EZ8655-ICV8655
Lab FileID: Z175480.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\EZ8655\Z175480.D Vial: 13
Acq On : 11 Sep 2025 5:07 pm Operator: rocquans
Sample : icv8655-1 Inst : GCMSZ
Misc : op66828a,ez8655,250,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M (RTE Integrator)
Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
Last Update : Thu Sep 11 17:29:52 2025
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
.98							
		True	Calc.	% Drift			
38 t	Pentachlorophenol	1000.000	1189.113	-18.9	141	0.00	8.15

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Z175476A.D MZ8654SIMLVI.M Thu Sep 11 17:35:01 2025

8.7.10

8

Continuing Calibration Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY
Sample: EZ8689-CC8654
Lab FileID: Z176436.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton SVOA GCMS\...rose\EZ8689\Z176436.d Vial: 2
Acq On : 18 Oct 2025 1:05 pm Operator: rocquans
Sample : cc8654-0.2 Inst : GCMSZ
Misc : op68111a,ez8689,250,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : X:\Dayton SVOA G...s\MZ8654SIMLVI.M (RTE Integrator)
Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
Last Update : Thu Sep 11 17:29:52 2025
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1-Methylnaphthalene-d10	1.000	1.000	0.0	105	-0.12	5.89
2	t	1,4-Dioxane	0.308	0.361	-17.2	118	0.00	1.89
3	S	2-Fluorophenol	0.541	0.713	-31.8#	123	-0.18	3.44
4	S	Phenol-d5	0.621	0.747	-20.3#	118	-0.14	4.18
5		Phenol	0.653	0.768	-17.6	120	-0.14	4.19
6	S	Nitrobenzene-d5	0.669	0.753	-12.6	107	-0.13	4.82
7	t	Naphthalene	2.203	2.316	-5.1	106	-0.13	5.35
8	t	Hexachlorobutadiene	0.575	0.550	4.3	95	-0.12	5.43
9	t	2-Methylnaphthalene	1.272	1.430	-12.4	106	-0.13	5.84
10	t	1-Methylnaphthalene	1.347	1.425	-5.8	103	-0.13	5.92
12	I	Fluorene-d10	1.000	1.000	0.0	110	-0.17	7.13
13	S	2-Fluorobiphenyl	1.121	1.126	-0.4	105	-0.13	6.11
14	t	Acenaphthylene	1.572	1.679	-6.8	108	-0.15	6.54
15	t	Acenaphthene	1.133	1.151	-1.6	105	-0.15	6.69
16	t	Fluorene	1.214	1.320	-8.7	105	-0.17	7.17
			True	Calc.	% Drift			
17		4,6-dinitro-2-methylpheno	1000.000	1320.714	-32.1#	184	-0.17	7.25
			AvgRF	CCRF	% Dev			
18	S	2,4,6-Tribromophenol	0.187	0.203	-8.6	106	-0.17	7.42
19	I	Fluoranthene-d10	1.000	1.000	0.0	121	-0.21	9.78
20	t	Hexachlorobenzene	0.285	0.259	9.1	109	-0.18	7.74
21	t	Phenanthrene	0.984	1.064	-8.1	127	-0.20	8.22
22	t	Anthracene	1.252	1.080	13.7	104	-0.20	8.29
23	t	Fluoranthene	1.243	1.246	-0.2	125	-0.21	9.80
24	t	Pyrene	1.283	1.323	-3.1	126	-0.21	10.13
25	S	Terphenyl-d14	0.665	0.629	5.4	107	-0.21	10.41
26	t	Benzo[a]anthracene	0.844	1.067	-26.4#	161	-0.23	11.96
27	t	Chrysene	1.310	1.234	5.8	108	0.00	12.02
28	I	Benzo(a)pyrene-d12	1.000	1.000	0.0	123	-0.25	13.95
29	t	Benzo[b]fluoranthene	1.329	1.321	0.6	146	-0.24	13.54
30	t	Benzo[k]fluoranthene	1.611	1.525	5.3	107	-0.24	13.58
31	t	Benzo[a]pyrene	1.425	1.357	4.8	125	-0.24	13.98
32	t	Indeno[1,2,3-cd]pyrene	1.702	1.594	6.3	129	-0.27	15.40
33	t	Dibenz[a,h]anthracene	1.362	1.327	2.6	130	-0.28	15.42
34	t	Benzo[g,h,i]perylene	1.422	1.303	8.4	121	-0.29	15.72

8.7.11

8

Continuing Calibration Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: EZ8689-CC8654
Lab FileID: Z176436.D

37	I	Fluoranthene-d10a	1.000	1.000	0.0	109	-0.21	9.78
			True	Calc.	% Drift			
38	t	Pentachlorophenol	1000.000	1009.043	-0.9	122	-0.18	7.98

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Z175476A.D MZ8654SIMLVI.M Mon Oct 20 15:24:58 2025

8.7.11

8

Continuing Calibration Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: EZ8699-CC8654
Lab FileID: Z176712.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton SVOA GCMS\...0-27\ez8699\Z176712.d Vial: 2
Acq On : 27 Oct 2025 10:05 am Operator: rocquans
Sample : cc8654-0.2 Inst : GCMSZ
Misc : op68372a,ez8699,250,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : X:\Dayton SVOA G...d\MZ8654SIMLVI.M (RTE Integrator)
Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
Last Update : Mon Oct 27 13:56:18 2025
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1-Methylnaphthalene-d10	1.000	1.000	0.0	124	0.00	5.93
2	t	1,4-Dioxane	0.308	0.351	-14.0	137	0.00	1.94
3	S	2-Fluorophenol	0.541	0.709	-31.1#	145	0.00	3.47
4	S	Phenol-d5	0.621	0.749	-20.6#	140	0.00	4.21
5		Phenol	0.653	0.780	-19.4	144	0.00	4.22
6	S	Nitrobenzene-d5	0.669	0.770	-15.1	130	0.00	4.86
7	t	Naphthalene	2.203	2.436	-10.6	133	0.00	5.39
8	t	Hexachlorobutadiene	0.575	0.548	4.7	112	0.00	5.47
9	t	2-Methylnaphthalene	1.272	1.364	-7.2	120	0.00	5.89
10	t	1-Methylnaphthalene	1.347	1.352	-0.4	116	0.00	5.96
12	I	Fluorene-d10	1.000	1.000	0.0	124	0.00	7.19
13	S	2-Fluorobiphenyl	1.121	1.148	-2.4	121	0.00	6.16
14	t	Acenaphthylene	1.572	1.630	-3.7	118	0.00	6.59
15	t	Acenaphthene	1.133	1.157	-2.1	119	0.00	6.74
16	t	Fluorene	1.214	1.295	-6.7	116	0.00	7.22
		---------- True	Calc.	% Drift	----------			
17		4,6-dinitro-2-methylpheno 1000.000	985.888	1.4	148	0.00	7.31	
		---------- AvgRF	CCRF	% Dev	----------			
18	S	2,4,6-Tribromophenol	0.187	0.172	8.0	101	0.00	7.47
19	I	Fluoranthene-d10	1.000	1.000	0.0	112	0.00	9.85
20	t	Hexachlorobenzene	0.285	0.292	-2.5	114	0.00	7.80
21	t	Phenanthrene	0.984	1.073	-9.0	119	0.00	8.29
22	t	Anthracene	1.252	1.204	3.8	107	0.00	8.35
23	t	Fluoranthene	1.243	1.233	0.8	115	0.00	9.88
24	t	Pyrene	1.283	1.289	-0.5	114	0.00	10.21
25	S	Terphenyl-d14	0.665	0.654	1.7	103	0.00	10.48
26	t	Benzo[a]anthracene	0.844	0.808	4.3	113	0.00	12.05
27	t	Chrysene	1.310	1.183	9.7	96	0.00	12.10
28	I	Benzo(a)pyrene-d12	1.000	1.000	0.0	107	0.00	14.03
29	t	Benzo[b]fluoranthene	1.329	1.190	10.5	115	0.00	13.62
30	t	Benzo[k]fluoranthene	1.611	1.554	3.5	95	0.00	13.67
31	t	Benzo[a]pyrene	1.425	1.398	1.9	112	0.00	14.07
32	t	Indeno[1,2,3-cd]pyrene	1.702	1.730	-1.6	122	0.00	15.49
33	t	Dibenz[a,h]anthracene	1.362	1.380	-1.3	118	0.00	15.52
34	t	Benzo[g,h,i]perylene	1.422	1.445	-1.6	117	0.00	15.82

Continuing Calibration Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: EZ8699-CC8654
Lab FileID: Z176712.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Z176712.d MZ8654SIMLVI.M Mon Oct 27 13:59:00 2025

8.7.12

8

Continuing Calibration Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: EZ8699-CC8655
Lab FileID: Z176713.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton SVOA GCMS\...0-27\ez8699\Z176713.d Vial: 3
Acq On : 27 Oct 2025 10:30 am Operator: rocquans
Sample : cc8655-0.2 Inst : GCMSZ
Misc : op68372a,ez8699,250,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : X:\Dayton SVOA G...d\MZ8654SIMLVI.M (RTE Integrator)
Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
Last Update : Mon Oct 27 13:56:18 2025
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
37 I	Fluoranthene-d10a	1.000	1.000	0.0	122	0.00	9.85
		True	Calc.	% Drift			
38 t	Pentachlorophenol	1000.000	869.113	13.1	113	0.00	8.05

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Z176712.d MZ8654SIMLVI.M Mon Oct 27 13:59:03 2025

8.7.13

8

Run Sequence Report

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Run ID: ECS446 **Method:** SW846 8270E BY SIM **Instrument ID:** GCMSCS

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
ECS446-DFTPP	CS8567.D	09/17/25 11:06	n/a	DFTPP Tune
ECS446-IC446	CS8568.D	09/17/25 11:28	n/a	Initial cal 0.002
ECS446-IC446	CS8569.D	09/17/25 11:55	n/a	Initial cal 0.004
ECS446-IC446	CS8570.D	09/17/25 12:22	n/a	Initial cal 0.01
ECS446-IC446	CS8571.D	09/17/25 12:48	n/a	Initial cal 0.02
ECS446-IC446	CS8572.D	09/17/25 13:15	n/a	Initial cal 0.04
ECS446-IC446	CS8573.D	09/17/25 13:42	n/a	Initial cal 0.1
ECS446-ICC446	CS8574.D	09/17/25 14:09	n/a	Initial cal 0.2
ECS446-IC446	CS8575.D	09/17/25 14:35	n/a	Initial cal 0.5
ECS446-IC446	CS8576.D	09/17/25 15:02	n/a	Initial cal 1
ECS446-IC446	CS8577.D	09/17/25 15:29	n/a	Initial cal 2
ECS446-ICV446	CS8578.D	09/17/25 15:56	n/a	Initial cal verification 0.2
ECS446-ICV446	CS8579.D	09/17/25 16:22	n/a	Initial cal verification 1

Run Sequence Report

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Run ID: ECS468 **Method:** SW846 8270E BY SIM **Instrument ID:** GCMSCS

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
ECS468-DFTPP	CS9060.D	10/16/25 14:29	n/a	DFTPP Tune
ECS468-CC446	CS9061.D	10/16/25 14:46	n/a	Continuing cal 0.2
OP68138A-MB1	CS9063.D	10/16/25 15:40	OP68138A	Method Blank
OP68138A-BS12	CS9064.D	10/16/25 16:07	OP68138A	Blank Spike
OP68138A-BSD12	CS9065.D	10/16/25 16:33	OP68138A	Blank Spike Duplicate
JE20825-1	CS9066.D	10/16/25 17:00	OP68138A	MW-EPA-07-10092025
JE20825-3	CS9068.D	10/16/25 17:53	OP68138A	DUP-10092025
JE20825-4	CS9069.D	10/16/25 18:20	OP68138A	MW-SS-08-05-10092025
JE20825-5	CS9070.D	10/16/25 18:46	OP68138A	MW-SS-08-08-10092025
ZZZZZZ	CS9071.D	10/16/25 19:13	OP68138A	(unrelated sample)
ZZZZZZ	CS9072.D	10/16/25 19:40	OP68138A	(unrelated sample)
ZZZZZZ	CS9073.D	10/16/25 20:07	OP68138A	(unrelated sample)
ZZZZZZ	CS9074.D	10/16/25 20:34	OP68138A	(unrelated sample)
ZZZZZZ	CS9075.D	10/16/25 21:01	OP68138A	(unrelated sample)
ZZZZZZ	CS9076.D	10/16/25 21:27	OP68138A	(unrelated sample)
ZZZZZZ	CS9078.D	10/16/25 22:21	OP67981A	(unrelated sample)
ZZZZZZ	CS9079.D	10/16/25 22:48	OP67981A	(unrelated sample)
ZZZZZZ	CS9080.D	10/16/25 23:15	OP68079A	(unrelated sample)
ZZZZZZ	CS9081.D	10/16/25 23:42	OP68079A	(unrelated sample)
ZZZZZZ	CS9082.D	10/17/25 00:08	OP68079A	(unrelated sample)
ZZZZZZ	CS9083.D	10/17/25 00:35	OP68079A	(unrelated sample)

Run Sequence Report

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Run ID: ECS475 **Method:** SW846 8270E BY SIM **Instrument ID:** GCMSCS

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
ECS475-CC446	CS9243.D	10/24/25 12:23	n/a	Continuing cal 0.2
OP68290A-MB1	CS9245.D	10/24/25 13:16	OP68290A	Method Blank
OP68406A-MB1	CS9246.D	10/24/25 13:43	OP68406A	Method Blank
ZZZZZZ	CS9247.D	10/24/25 14:10	OP68290A	(unrelated sample)
OP68290A-BS12	CS9248.D	10/24/25 14:36	OP68290A	Blank Spike
OP68290A-BSD12	CS9249.D	10/24/25 15:03	OP68290A	Blank Spike Duplicate
OP68406A-BS12	CS9250.D	10/24/25 15:30	OP68406A	Blank Spike
OP68406A-BSD12	CS9251.D	10/24/25 15:56	OP68406A	Blank Spike Duplicate
JE20825-1	CS9252.D	10/24/25 16:23	OP68290A	MW-EPA-07-10092025
JE20825-3	CS9253.D	10/24/25 16:50	OP68290A	DUP-10092025
JE20825-4	CS9254.D	10/24/25 17:17	OP68290A	MW-SS-08-05-10092025
JE20825-5	CS9255.D	10/24/25 17:43	OP68290A	MW-SS-08-08-10092025
ZZZZZZ	CS9256.D	10/24/25 18:10	OP68290A	(unrelated sample)
ZZZZZZ	CS9257.D	10/24/25 18:37	OP68290A	(unrelated sample)
ZZZZZZ	CS9258.D	10/24/25 19:04	OP68290A	(unrelated sample)
ZZZZZZ	CS9259.D	10/24/25 19:30	OP68290A	(unrelated sample)
ZZZZZZ	CS9260.D	10/24/25 19:57	OP68290A	(unrelated sample)
ZZZZZZ	CS9261.D	10/24/25 20:24	OP68290A	(unrelated sample)
ZZZZZZ	CS9262.D	10/24/25 20:51	OP68290A	(unrelated sample)
ZZZZZZ	CS9263.D	10/24/25 21:17	OP68290A	(unrelated sample)
ZZZZZZ	CS9264.D	10/24/25 21:44	OP68406A	(unrelated sample)
ZZZZZZ	CS9265.D	10/24/25 22:11	OP68406A	(unrelated sample)
ZZZZZZ	CS9266.D	10/24/25 22:38	OP68406A	(unrelated sample)
ZZZZZZ	CS9268.D	10/24/25 23:31	OP68406A	(unrelated sample)
ZZZZZZ	CS9269.D	10/24/25 23:58	OP68406A	(unrelated sample)

Run Sequence Report

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Run ID: EZ8654 **Method:** SW846 8270E BY SIM **Instrument ID:** GCMSZ

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
EZ8654-DFTPP	Z175452.D	09/10/25 11:31	n/a	DFTPP Tune
EZ8654-IC8654	Z175453.D	09/10/25 12:13	n/a	Initial cal 0.002
EZ8654-IC8654	Z175454.D	09/10/25 12:38	n/a	Initial cal 0.004
EZ8654-IC8654	Z175455.D	09/10/25 13:05	n/a	Initial cal 0.01
EZ8654-IC8654	Z175456.D	09/10/25 13:29	n/a	Initial cal 0.02
EZ8654-IC8654	Z175457.D	09/10/25 13:54	n/a	Initial cal 0.04
EZ8654-IC8654	Z175458.D	09/10/25 14:19	n/a	Initial cal 0.1
EZ8654-ICC8654	Z175459.D	09/10/25 14:44	n/a	Initial cal 0.2
EZ8654-IC8654	Z175460.D	09/10/25 15:09	n/a	Initial cal 0.5
EZ8654-IC8654	Z175461.D	09/10/25 15:36	n/a	Initial cal 1
EZ8654-IC8654	Z175462.D	09/10/25 16:01	n/a	Initial cal 2
EZ8654-ICV8654	Z175464.D	09/10/25 16:51	n/a	Initial cal verification 1
EZ8654-ICV8654	Z175466.D	09/10/25 17:41	n/a	Initial cal verification 0.2

Run Sequence Report

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Run ID: EZ8655 **Method:** SW846 8270E BY SIM **Instrument ID:** GCMSZ

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
EZ8655-DFTPP	Z175469.D	09/11/25 12:40	n/a	DFTPP Tune
EZ8655-IC8655	Z175470.D	09/11/25 12:56	n/a	Initial cal 0.002
EZ8655-IC8655	Z175471.D	09/11/25 13:22	n/a	Initial cal 0.004
EZ8655-IC8655	Z175472.D	09/11/25 13:47	n/a	Initial cal 0.01
EZ8655-IC8655	Z175473.D	09/11/25 14:11	n/a	Initial cal 0.02
EZ8655-IC8655	Z175474.D	09/11/25 14:36	n/a	Initial cal 0.04
EZ8655-IC8655	Z175475.D	09/11/25 15:01	n/a	Initial cal 0.1
EZ8655-ICC8655	Z175476.D	09/11/25 15:27	n/a	Initial cal 0.2
EZ8655-IC8655	Z175477.D	09/11/25 15:52	n/a	Initial cal 0.5
EZ8655-IC8655	Z175478.D	09/11/25 16:18	n/a	Initial cal 1
EZ8655-IC8655	Z175479.D	09/11/25 16:42	n/a	Initial cal 2
EZ8655-ICV8655	Z175480.D	09/11/25 17:07	n/a	Initial cal verification 1

Run Sequence Report

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Run ID: EZ8689 **Method:** SW846 8270E BY SIM **Instrument ID:** GCMSZ

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
EZ8689-CC8654	Z176436.D	10/18/25 13:05	n/a	Continuing cal 0.2
OP68209A-MB1	Z176440.D	10/18/25 15:09	OP68209A	Method Blank
ZZZZZZ	Z176441.D	10/18/25 15:34	OP68209A	(unrelated sample)
OP68192A-MB1	Z176442.D	10/18/25 15:59	OP68192A	Method Blank
OP68138A-MB2	Z176443.D	10/18/25 16:24	OP68138A	Method Blank
OP68255A-MB1	Z176444.D	10/18/25 16:49	OP68255A	Method Blank
OP68192A-BS12	Z176445A.D	10/18/25 17:46	OP68192A	Blank Spike
OP68192A-BSD12	Z176446.D	10/18/25 18:11	OP68192A	Blank Spike Duplicate
OP68138A-BS122	Z176447.D	10/18/25 18:35	OP68138A	Blank Spike
OP68255A-BS12	Z176448.D	10/18/25 19:00	OP68255A	Blank Spike
OP68255A-BSD12	Z176449.D	10/18/25 19:25	OP68255A	Blank Spike Duplicate
ZZZZZZ	Z176450.D	10/18/25 19:50	OP68192A	(unrelated sample)
ZZZZZZ	Z176451.D	10/18/25 20:15	OP68192A	(unrelated sample)
ZZZZZZ	Z176452.D	10/18/25 20:40	OP68255A	(unrelated sample)
ZZZZZZ	Z176453.D	10/18/25 21:04	OP68255A	(unrelated sample)
ZZZZZZ	Z176454.D	10/18/25 21:29	OP68255A	(unrelated sample)
ZZZZZZ	Z176455.D	10/18/25 21:54	OP68255A	(unrelated sample)
ZZZZZZ	Z176456.D	10/18/25 22:18	OP68255A	(unrelated sample)
OP68138A-MSA	Z176457.D	10/18/25 22:43	OP68138A	Matrix Spike
OP68138A-MSDA	Z176458.D	10/18/25 23:08	OP68138A	Matrix Spike Duplicate
ZZZZZZ	Z176459.D	10/18/25 23:32	OP68255A	(unrelated sample)

Run Sequence Report

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Run ID: EZ8699 **Method:** SW846 8270E BY SIM **Instrument ID:** GCMSZ

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
EZ8699-CC8654	Z176712.D	10/27/25 10:05	n/a	Continuing cal 0.2
EZ8699-CC8655	Z176713.D	10/27/25 10:30	n/a	Continuing cal 0.2
ZZZZZZ	Z176715.D	10/27/25 11:25	OP68440A	(unrelated sample)
ZZZZZZ	Z176716.D	10/27/25 11:50	OP68440A	(unrelated sample)
ZZZZZZ	Z176717.D	10/27/25 12:15	OP68440A	(unrelated sample)
ZZZZZZ	Z176718.D	10/27/25 12:40	OP68406A	(unrelated sample)
ZZZZZZ	Z176719.D	10/27/25 13:05	OP68406A	(unrelated sample)
ZZZZZZ	Z176720.D	10/27/25 13:30	OP68471A	(unrelated sample)
ZZZZZZ	Z176721.D	10/27/25 13:55	OP68471A	(unrelated sample)
ZZZZZZ	Z176722.D	10/27/25 14:20	OP68471A	(unrelated sample)
ZZZZZZ	Z176723.D	10/27/25 14:45	OP68471A	(unrelated sample)
ZZZZZZ	Z176724.D	10/27/25 15:10	OP68372A	(unrelated sample)
ZZZZZZ	Z176725.D	10/27/25 15:35	OP68372A	(unrelated sample)
ZZZZZZ	Z176726.D	10/27/25 16:00	OP68440A	(unrelated sample)
ZZZZZZ	Z176727.D	10/27/25 16:25	OP68440A	(unrelated sample)
ZZZZZZ	Z176728.D	10/27/25 16:50	OP68471A	(unrelated sample)
ZZZZZZ	Z176729.D	10/27/25 17:15	OP68440A	(unrelated sample)
JE20825-1	Z176730.D	10/27/25 17:41	OP68138A	MW-EPA-07-10092025
JE20825-1	Z176731.D	10/27/25 18:06	OP68138A	MW-EPA-07-10092025
JE20825-3	Z176732.D	10/27/25 18:31	OP68138A	DUP-10092025
JE20825-3	Z176733.D	10/27/25 18:56	OP68138A	DUP-10092025
ZZZZZZ	Z176734.D	10/27/25 19:21	OP68406A	(unrelated sample)
ZZZZZZ	Z176735.D	10/27/25 19:46	OP68406A	(unrelated sample)

MS Semi-volatiles

Raw Data

Manual Integrations APPROVED (compounds with "m" flag)
Ying Li
10/29/25 13:09

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\recheleb\ecs468\
Data File : cs9066.D
Acq On : 16 Oct 2025 05:00 pm
Operator : alejanda
Sample : je20825-1 Inst : GCMS_CS
Misc : op68138a,ecs468,250,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 17 01:57:30 2025
Quant Method : X:\Dayton SVOA GCMS\recheleb\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Fri Oct 17 01:42:09 2025
Response via : Initial Calibration

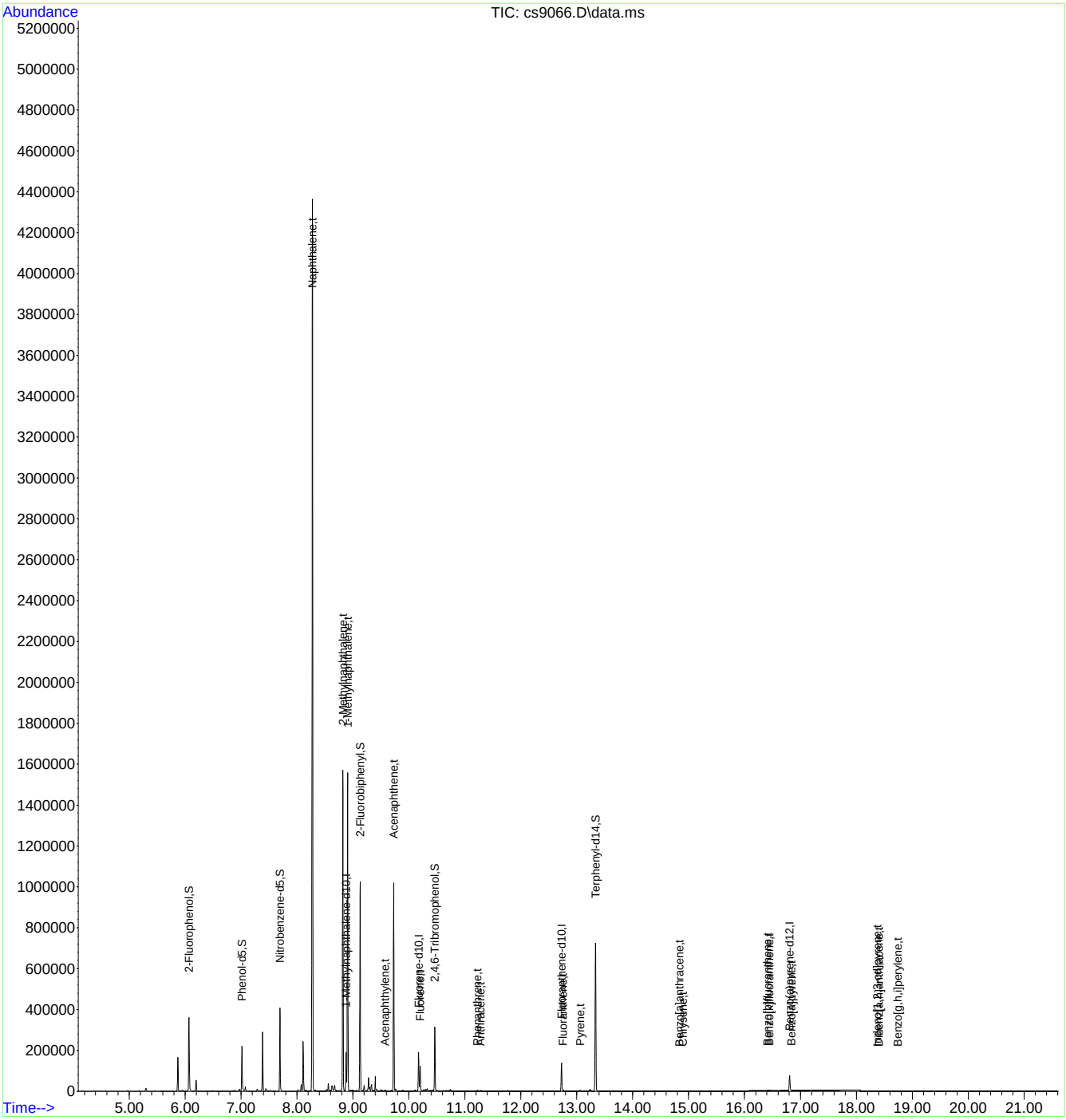
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	8.877	150	57137	800.00	ppb	0.00
11) Fluorene-d10	10.173	176	70631	800.00	ppb	0.00
18) Fluoranthene-d10	12.728	212	102540	800.00	ppb	0.00
28) Benzo(a)pyrene-d12	16.806	264	59497	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	6.070	112	176492	3223.77	ppb	0.00
Spiked Amount 10000.000			Recovery =	32.24%		
4) Phenol-d5	7.015	99	173409	2682.51	ppb	0.00
Spiked Amount 10000.000			Recovery =	26.83%		
6) Nitrobenzene-d5	7.694	82	203431	3813.69	ppb	0.00
Spiked Amount 10000.000			Recovery =	38.14%		
12) 2-Fluorobiphenyl	9.129	172	463918	4052.15	ppb	0.00
Spiked Amount 10000.000			Recovery =	40.52%		
17) 2,4,6-Tribromophenol	10.463	330	104697	8913.53	ppb	0.00
Spiked Amount 10000.000			Recovery =	89.14%		
25) Terphenyl-d14	13.337	244	507514	6899.67	ppb	0.00
Spiked Amount 10000.000			Recovery =	69.00%		
Target Compounds						Qvalue
7) Naphthalene	8.277	128	3032677	14787.0397	ppb	99
9) 2-Methylnaphthalene	8.819	141	472278	4146.5288	ppb	98
10) 1-Methylnaphthalene	8.905	141	474822	4381.5990	ppb	100
13) Acenaphthylene	9.573	152	3092m	17.9107	ppb	
14) Acenaphthene	9.729	153	315338	2625.1599	ppb	99
15) Fluorene	10.200	166	47160	343.9105	ppb	98
21) Phenanthrene	11.223	178	3037	16.6990	ppb	95
22) Anthracene	11.278	178	1976	11.7830	ppb	97
23) Fluoranthene	12.753	202	2565	13.4358	ppb	98
24) Pyrene	13.059	202	2245	11.5747	ppb	96
26) Benzo[a]anthracene	14.837	228	612	4.3699	ppb	94
27) Chrysene	14.896	228	1264	9.0926	ppb	97
29) Benzo[b]fluoranthene	16.408	252	1316	10.1214	ppb	93
30) Benzo[k]fluoranthene	16.440	252	896	7.3899	ppb	91
31) Benzo[a]pyrene	16.838	252	644	5.3416	ppb	94
32) Indeno[1,2,3-cd]pyrene	18.371	276	874	9.1907	ppb	97
33) Dibenz[a,h]anthracene	18.400	278	303	3.3987	ppb	77
34) Benzo[g,h,i]perylene	18.741	276	883	9.3141	ppb	97

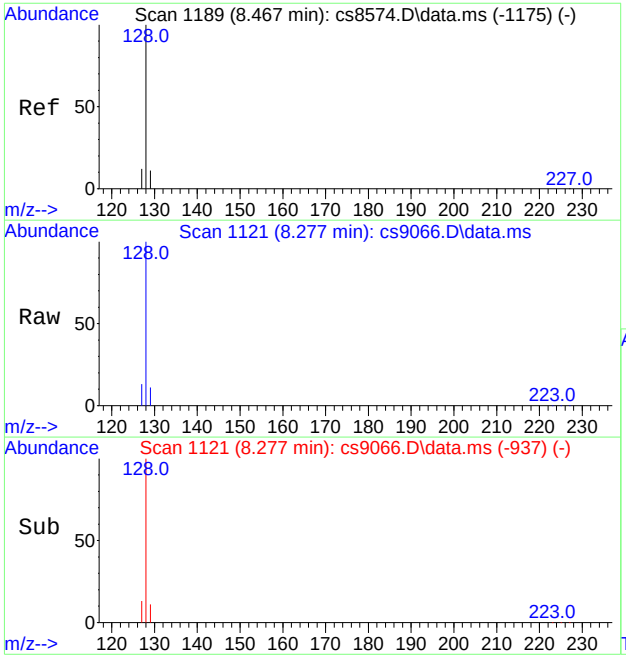
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\recheleb\ecs468\
Data File : cs9066.D
Acq On : 16 Oct 2025 05:00 pm
Operator : alejanda
Sample : je20825-1 Inst : GCMS_CS
Misc : op68138a,ecs468,250,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 17 01:57:30 2025
Quant Method : X:\Dayton SVOA GCMS\recheleb\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Fri Oct 17 01:42:09 2025
Response via : Initial Calibration

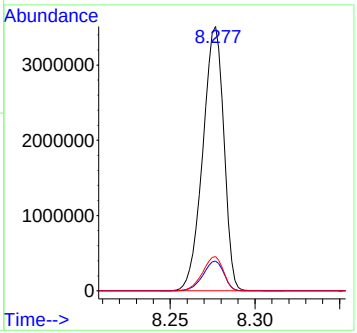


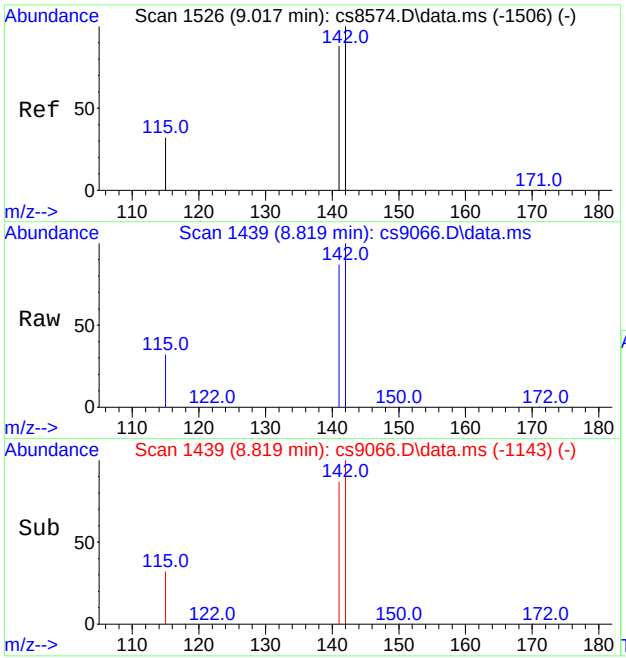


#7
Naphthalene
Concen: 14787.0397 ppb
RT: 8.277 min Scan# 1121
Delta R.T. 0.004 min
Lab File: cs9066.D
Acq: 16 Oct 2025 05:00 pm

Tgt Ion:128 Resp: 3032677

Ion	Ratio	Lower	Upper
128	100		
129	11.3	0.0	40.8
127	12.9	0.0	42.4

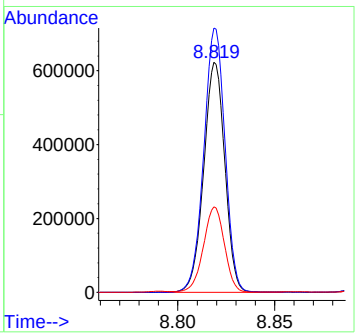


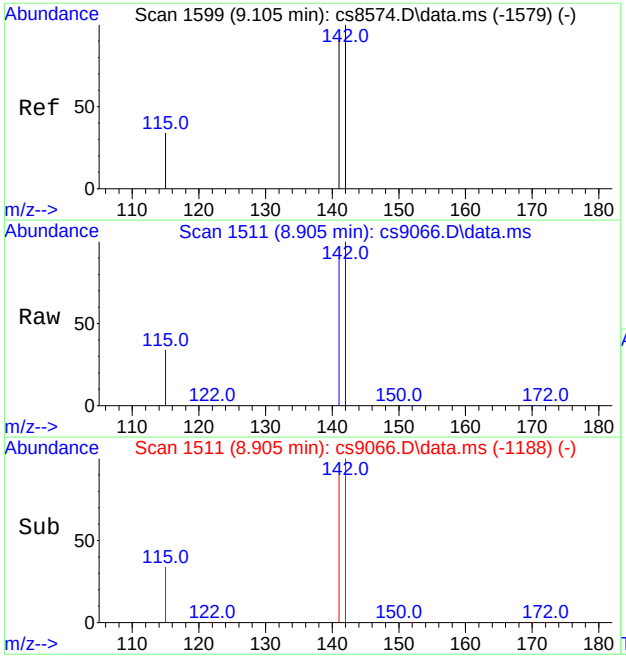


#9
2-Methylnaphthalene
Concen: 4146.5288 ppb
RT: 8.819 min Scan# 1439
Delta R.T. -0.001 min
Lab File: cs9066.D
Acq: 16 Oct 2025 05:00 pm

Tgt Ion:141 Resp: 472278

Ion	Ratio	Lower	Upper
141	100		
142	114.9	83.1	143.1
115	36.8	5.8	65.8

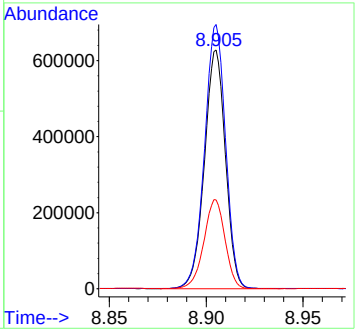


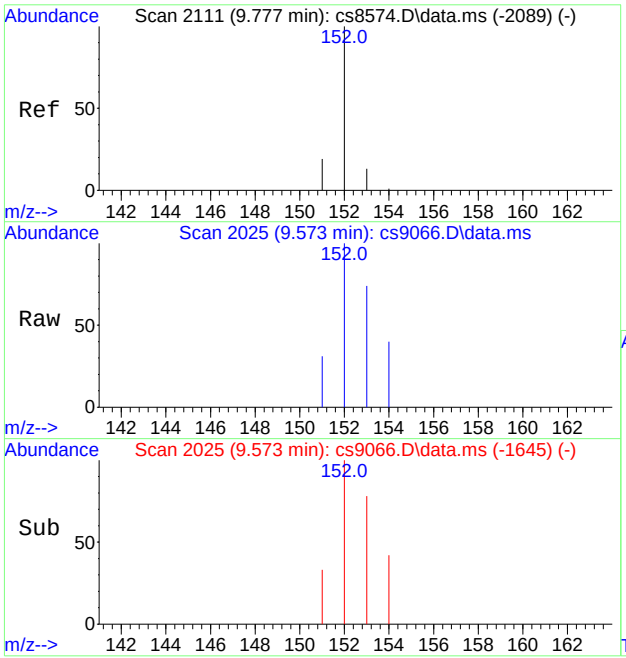


#10
1-Methylnaphthalene
Concen: 4381.5990 ppb
RT: 8.905 min Scan# 1511
Delta R.T. 0.000 min
Lab File: cs9066.D
Acq: 16 Oct 2025 05:00 pm

Tgt Ion:141 Resp: 474822

Ion	Ratio	Lower	Upper
141	100		
142	110.7	80.8	140.8
115	37.1	7.2	67.2

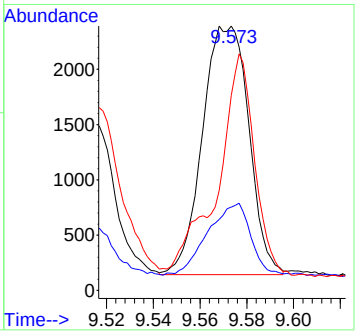


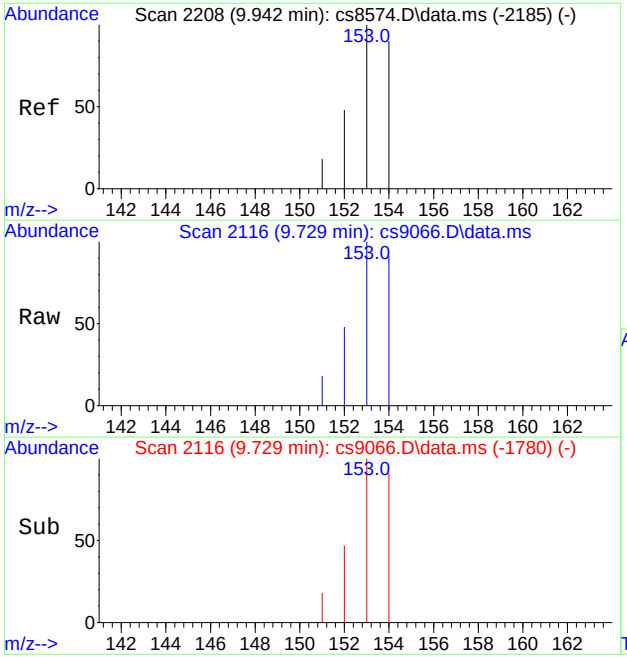


#13
Acenaphthylene
Concen: 17.9107 ppb m
RT: 9.573 min Scan# 2025
Delta R.T. 0.007 min
Lab File: cs9066.D
Acq: 16 Oct 2025 05:00 pm

Tgt Ion:152 Resp: 3092

Ion	Ratio	Lower	Upper
152	100		
151	31.5	0.0	49.3
153	73.6	0.0	42.7#

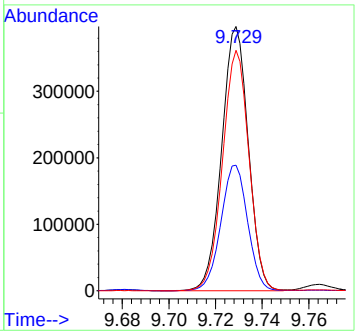


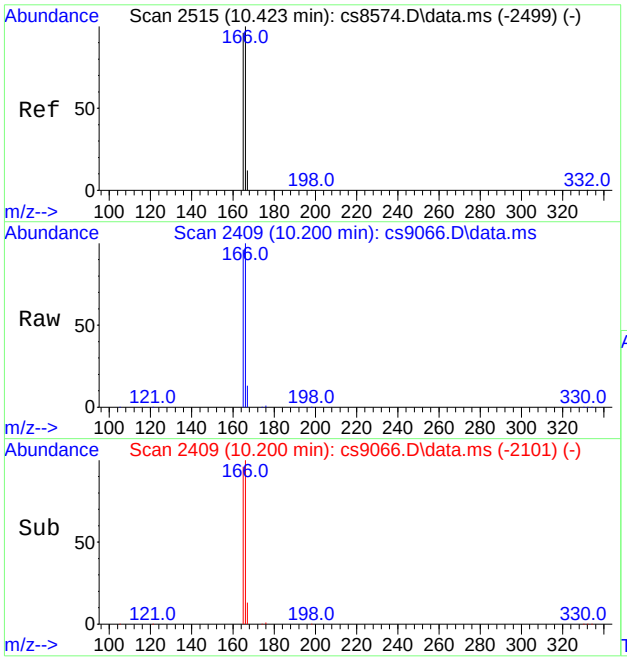


#14
Acenaphthene
Concen: 2625.1599 ppb
RT: 9.729 min Scan# 2116
Delta R.T. 0.000 min
Lab File: cs9066.D
Acq: 16 Oct 2025 05:00 pm

Tgt Ion:153 Resp: 315338

Ion	Ratio	Lower	Upper
153	100		
152	47.5	17.7	77.7
154	90.9	59.5	119.5

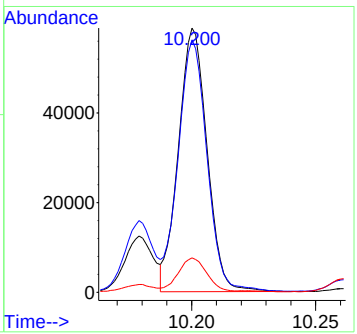


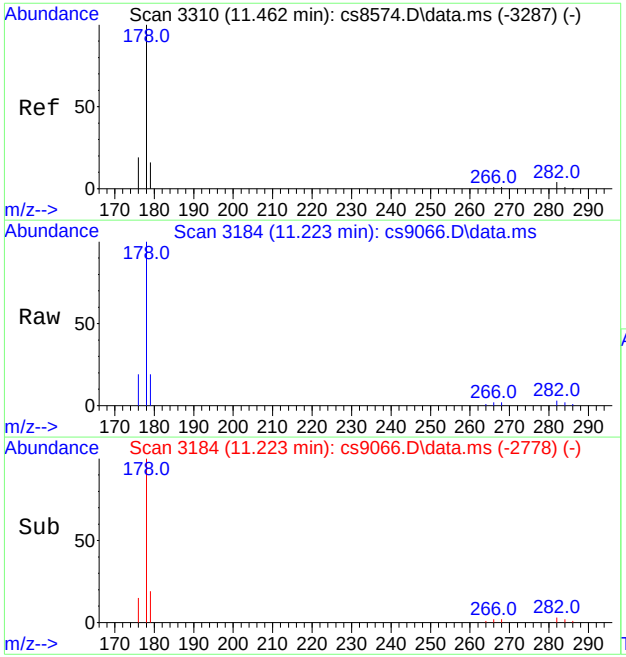


#15
Fluorene
Concen: 343.9105 ppb
RT: 10.200 min Scan# 2409
Delta R.T. -0.003 min
Lab File: cs9066.D
Acq: 16 Oct 2025 05:00 pm

Tgt Ion:166 Resp: 47160

Ion	Ratio	Lower	Upper
166	100		
165	94.2	65.7	125.7
167	12.9	0.0	42.4

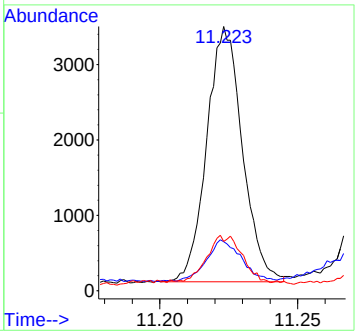


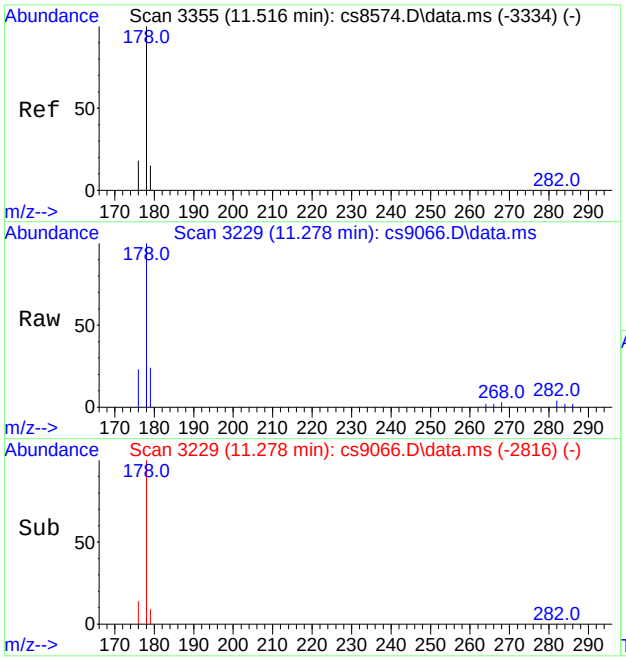


#21
Phenanthrene
Concen: 16.6990 ppb
RT: 11.223 min Scan# 3184
Delta R.T. -0.002 min
Lab File: cs9066.D
Acq: 16 Oct 2025 05:00 pm

Tgt Ion:178 Resp: 3037

Ion	Ratio	Lower	Upper
178	100		
179	15.0	0.0	45.7
176	15.8	0.0	49.2

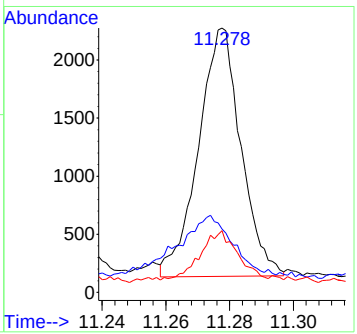


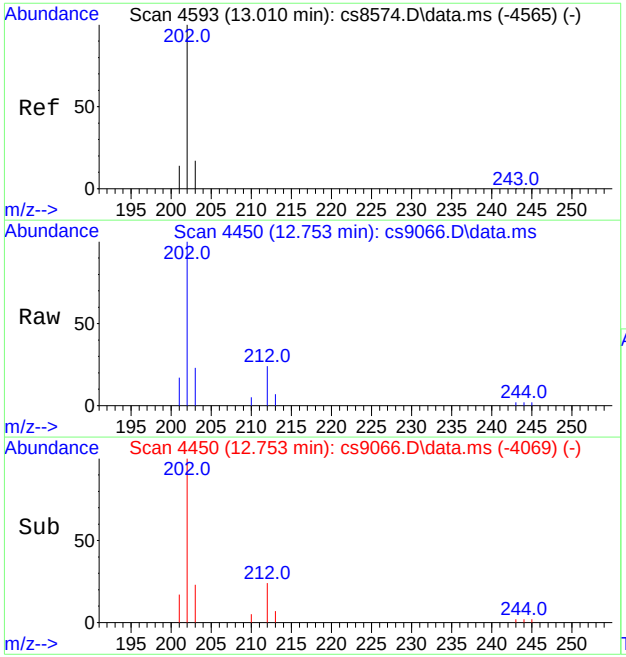


#22
Anthracene
Concen: 11.7830 ppb
RT: 11.278 min Scan# 3229
Delta R.T. 0.000 min
Lab File: cs9066.D
Acq: 16 Oct 2025 05:00 pm

Tgt Ion:178 Resp: 1976

Ion	Ratio	Lower	Upper
178	100		
179	15.6	0.0	45.2
176	20.5	0.0	48.4

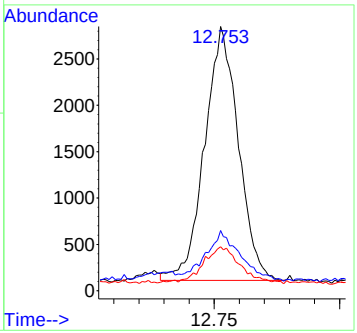


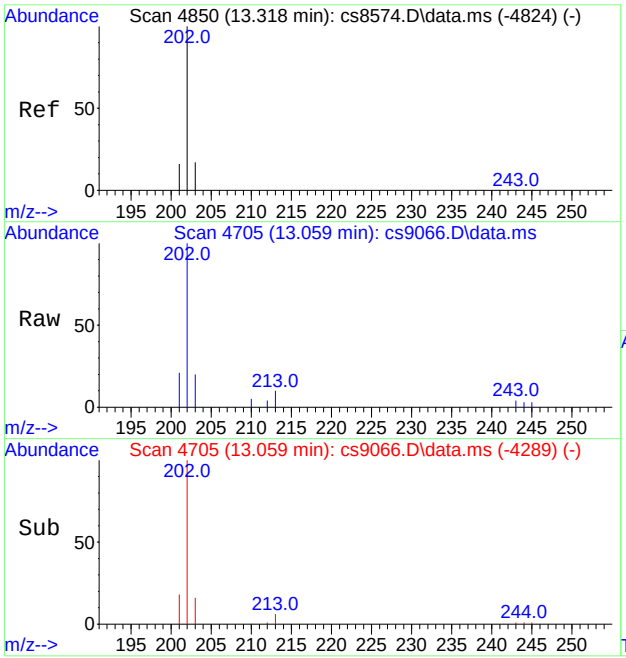


#23
Fluoranthene
Concen: 13.4358 ppb
RT: 12.753 min Scan# 4450
Delta R.T. -0.002 min
Lab File: cs9066.D
Acq: 16 Oct 2025 05:00 pm

Tgt Ion:202 Resp: 2565

Ion	Ratio	Lower	Upper
202	100		
203	18.5	0.0	47.2
201	14.4	0.0	44.0

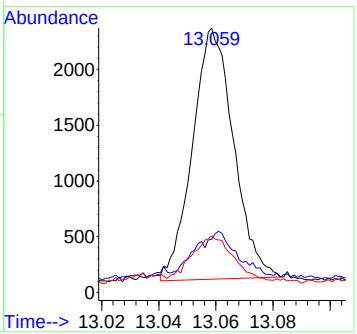


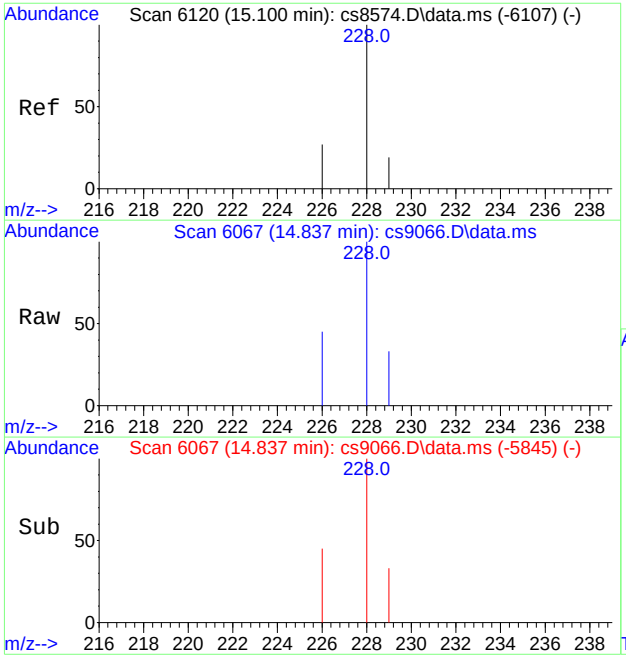


#24
Pyrene
Concen: 11.5747 ppb
RT: 13.059 min Scan# 4705
Delta R.T. -0.001 min
Lab File: cs9066.D
Acq: 16 Oct 2025 05:00 pm

Tgt Ion:202 Resp: 2245

Ion	Ratio	Lower	Upper
202	100		
203	13.8	0.0	47.1
201	16.3	0.0	46.4

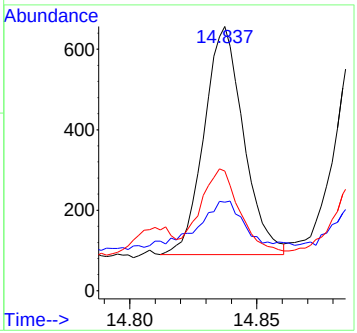


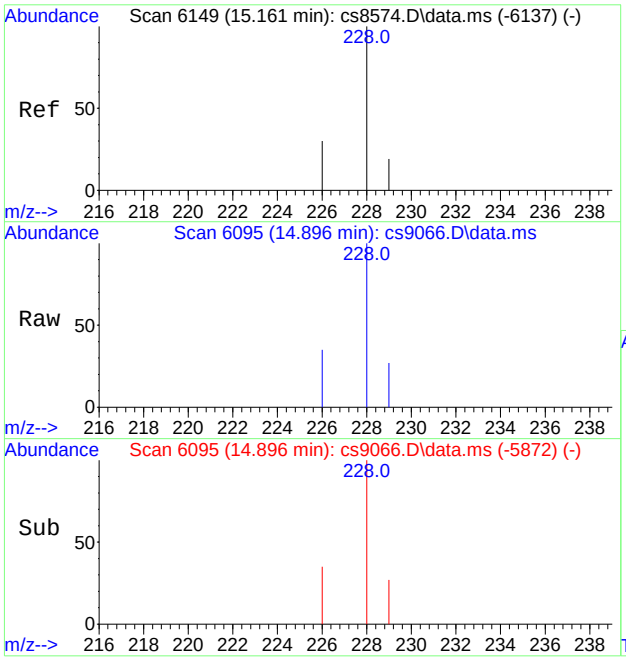


#26
Benzo[a]anthracene
Concen: 4.3699 ppb
RT: 14.837 min Scan# 6067
Delta R.T. 0.000 min
Lab File: cs9066.D
Acq: 16 Oct 2025 05:00 pm

Tgt Ion:228 Resp: 612

Ion	Ratio	Lower	Upper
228	100		
229	17.8	0.0	49.1
226	31.0	0.0	57.0

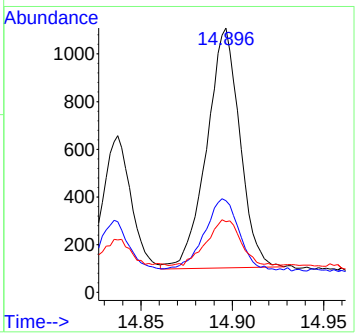


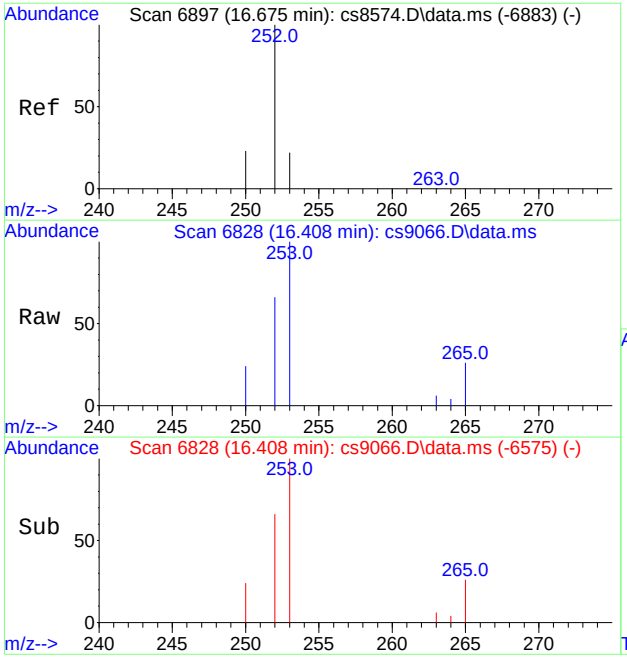


#27
Chrysene
Concen: 9.0926 ppb
RT: 14.896 min Scan# 6095
Delta R.T. 0.000 min
Lab File: cs9066.D
Acq: 16 Oct 2025 05:00 pm

Tgt Ion:228 Resp: 1264

Ion	Ratio	Lower	Upper
228	100		
226	28.9	0.2	60.2
229	18.0	0.0	49.5

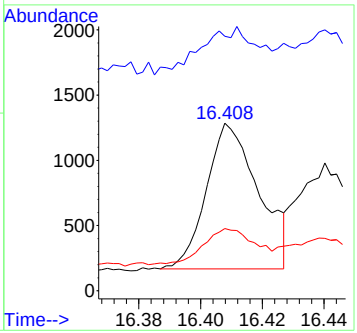


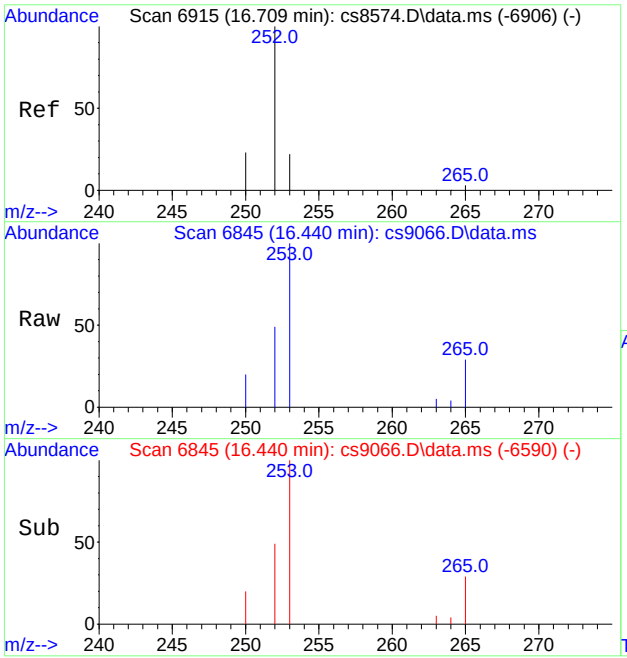


#29
Benzo[b]fluoranthene
Concen: 10.1214 ppb
RT: 16.408 min Scan# 6828
Delta R.T. -0.002 min
Lab File: cs9066.D
Acq: 16 Oct 2025 05:00 pm

Tgt Ion:252 Resp: 1316

Ion	Ratio	Lower	Upper
252	100		
253	16.0	0.0	51.5
250	22.2	0.0	53.4

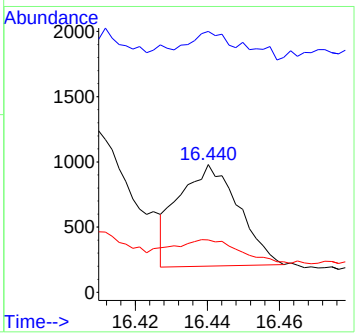


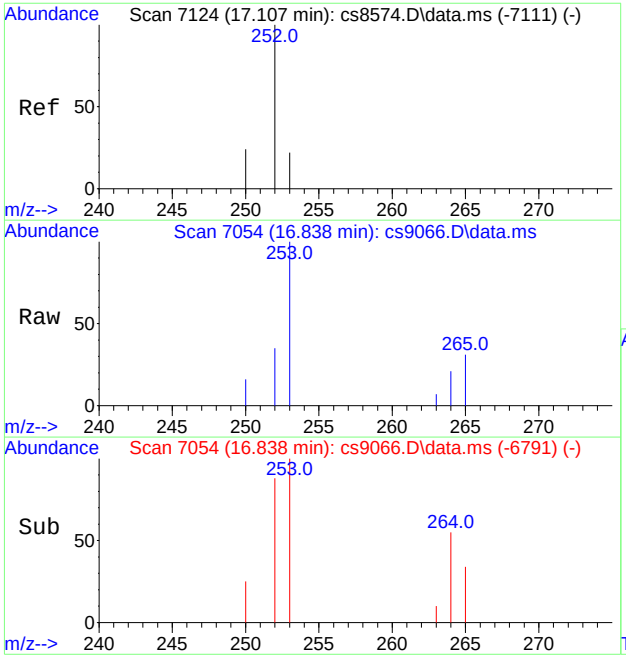


#30
Benzo[k]fluoranthene
Concen: 7.3899 ppb
RT: 16.440 min Scan# 6845
Delta R.T. -0.002 min
Lab File: cs9066.D
Acq: 16 Oct 2025 05:00 pm

Tgt Ion:252 Resp: 896

Ion	Ratio	Lower	Upper
252	100		
253	26.5	0.0	51.3
250	20.0	0.0	53.2

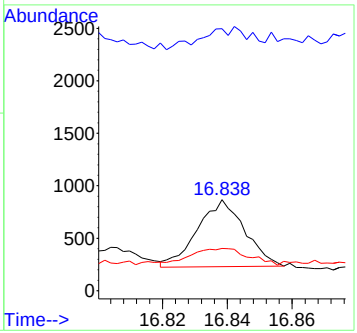


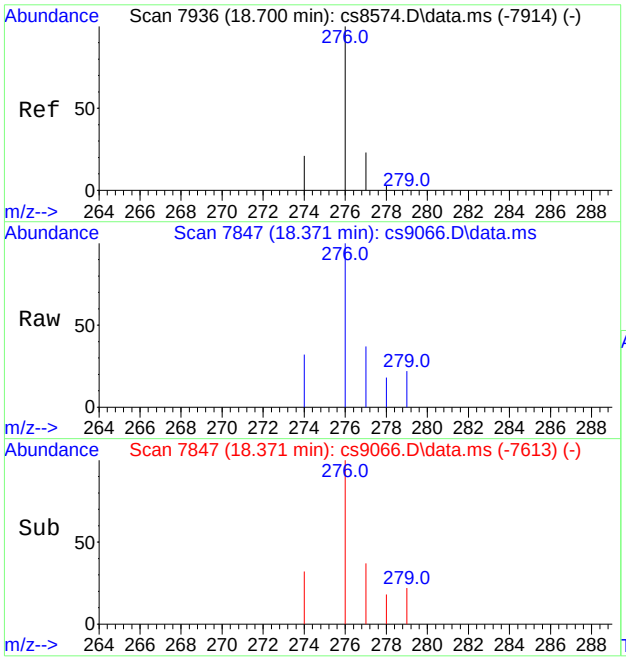


#31
Benzo[a]pyrene
Concen: 5.3416 ppb
RT: 16.838 min Scan# 7054
Delta R.T. 0.000 min
Lab File: cs9066.D
Acq: 16 Oct 2025 05:00 pm

Tgt Ion:252 Resp: 644

Ion	Ratio	Lower	Upper
252	100		
253	19.0	0.0	51.3
250	20.6	0.0	53.7

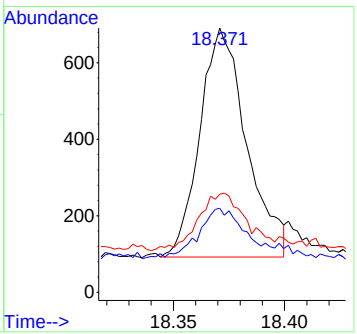


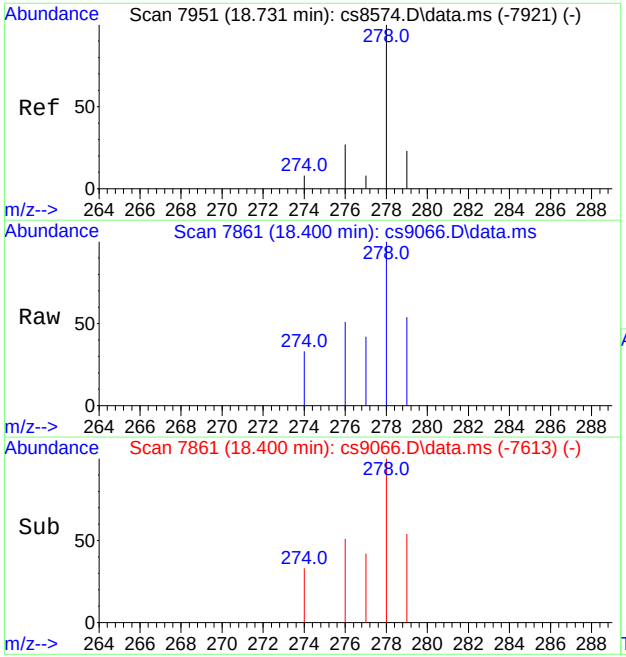


#32
Indeno[1,2,3-cd]pyrene
Concen: 9.1907 ppb
RT: 18.371 min Scan# 7847
Delta R.T. 0.000 min
Lab File: cs9066.D
Acq: 16 Oct 2025 05:00 pm

Tgt Ion:276 Resp: 874

Ion	Ratio	Lower	Upper
276	100		
274	20.2	0.0	51.6
277	22.4	0.0	53.8

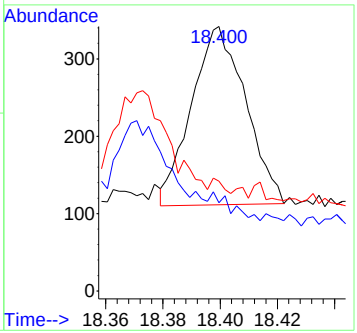


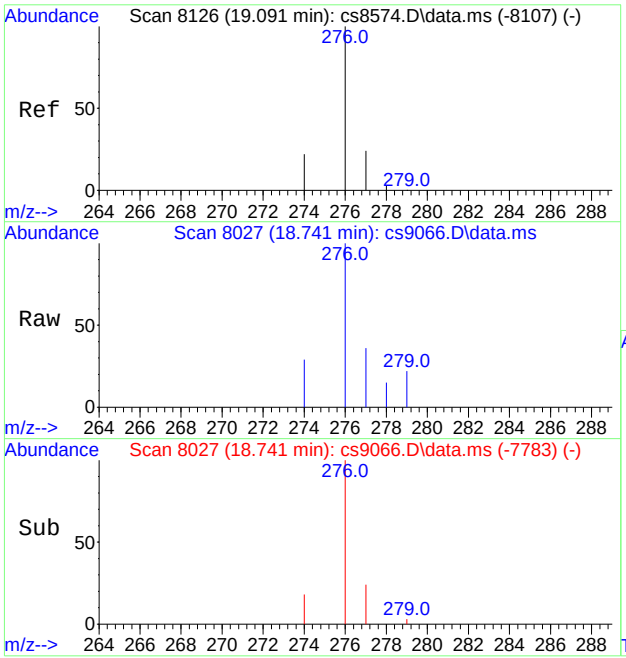


#33
Dibenz[a,h]anthracene
Concen: 3.3987 ppb
RT: 18.400 min Scan# 7861
Delta R.T. 0.002 min
Lab File: cs9066.D
Acq: 16 Oct 2025 05:00 pm

Tgt Ion:278 Resp: 303

Ion	Ratio	Lower	Upper
278	100		
274	0.0	0.0	38.4
277	0.0	0.0	37.8

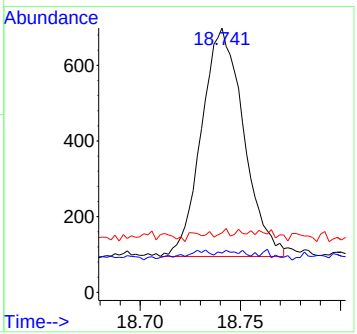




#34
Benzo[g,h,i]perylene
Concen: 9.3141 ppb
RT: 18.741 min Scan# 8027
Delta R.T. 0.002 min
Lab File: cs9066.D
Acq: 16 Oct 2025 05:00 pm

Tgt Ion:276 Resp: 883

Ion	Ratio	Lower	Upper
276	100		
278	1.9	0.0	33.3
279	0.8	0.0	31.1



Manual Integration Approval Summary

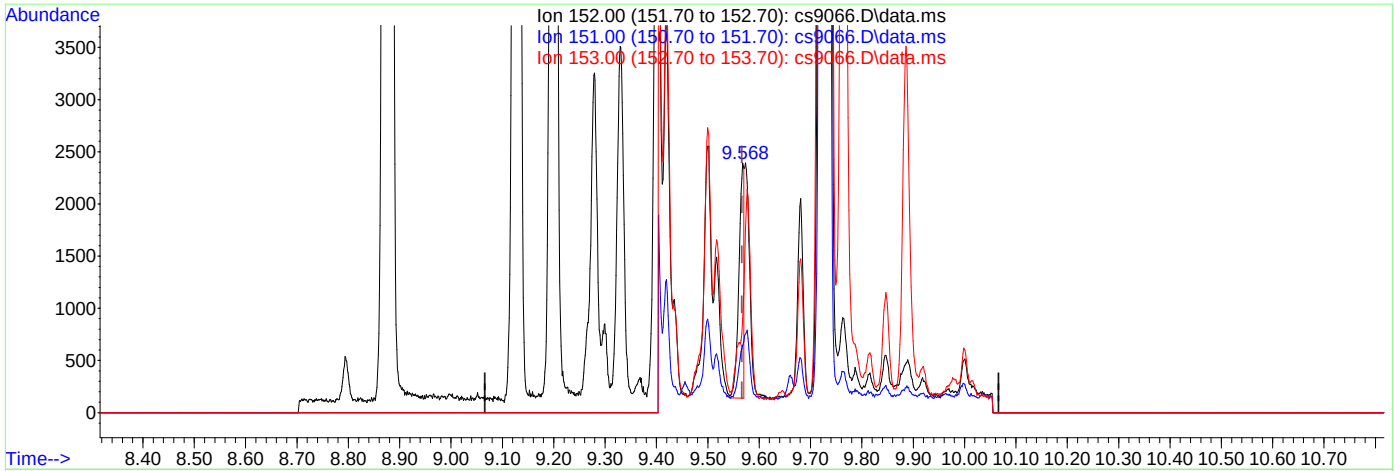
Sample Number: JE20825-1
Lab FileID: CS9066.D
Injection Time: 10/16/25 17:00
Method: SW846 8270E BY SIM
Analyst approved: 10/16/25 22:08 Rechele Bongapat
Supervisor approved: 10/29/25 13:09 Ying Li

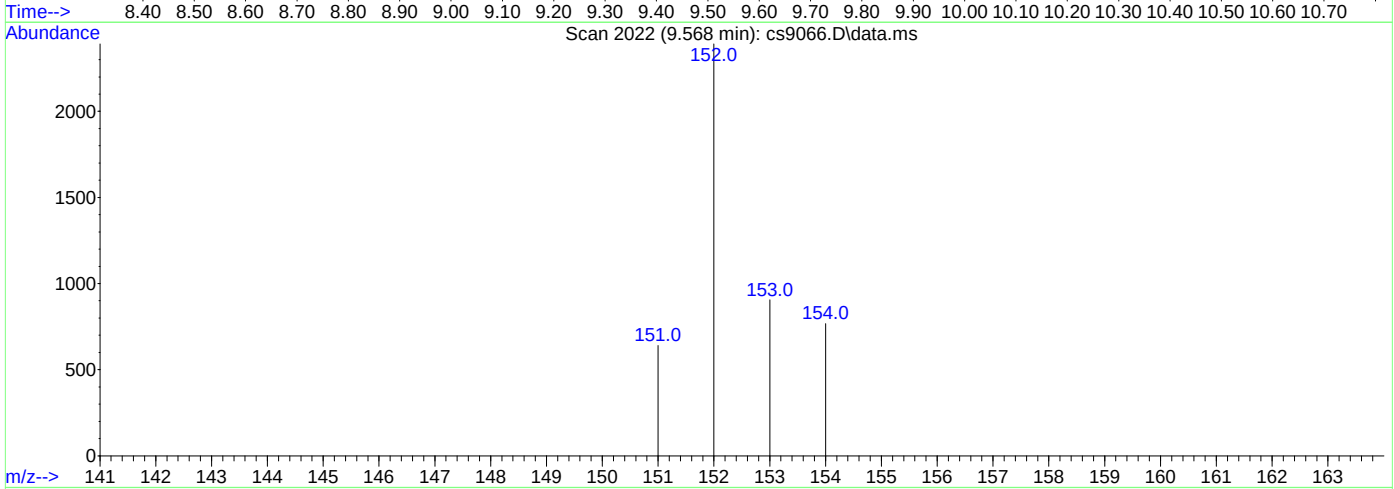
Parameter	CAS	Sig#	R.T. (min.)	Reason
Acenaphthylene	208-96-8		9.57	Poor instrument integration

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\recheleb\ecs468\
Data File : cs9066.D
Acq On : 16 Oct 2025 05:00 pm
Operator : alejanda
Sample : je20825-1 Inst : GCMS_CS
Misc : op68138a,ecs468,250,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 17 01:56:26 2025
Quant Method : X:\Dayton SVOA GCMS\recheleb\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Fri Oct 17 01:42:09 2025
Response via : Initial Calibration





TIC: cs9066.D\data.ms

(13) Acenaphthylene (t)

9.568min (+0.002) 8.79ppb

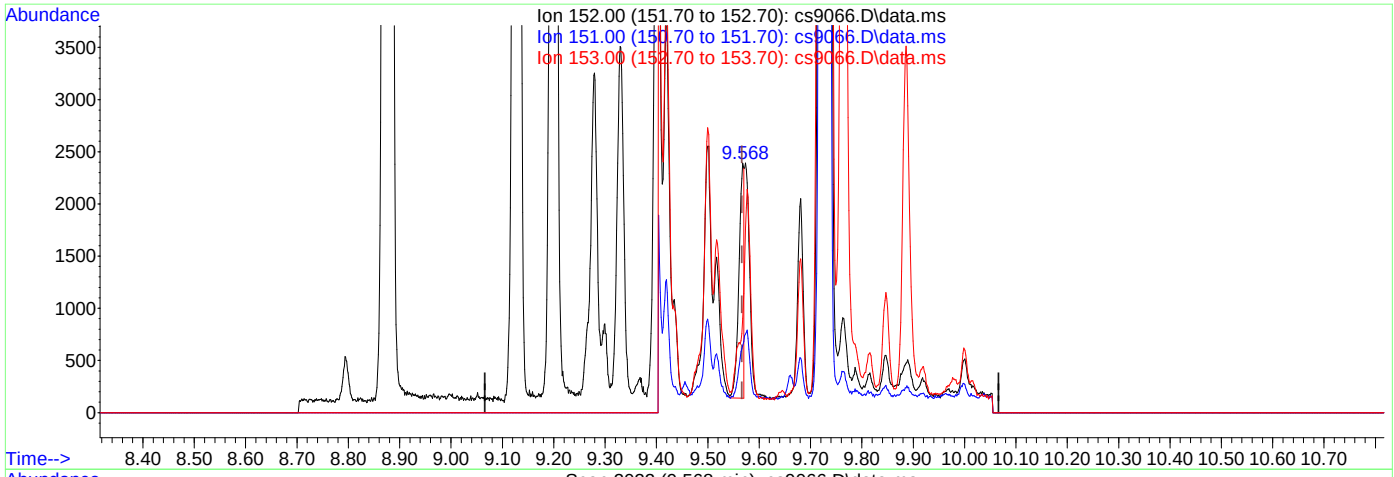
response 1517

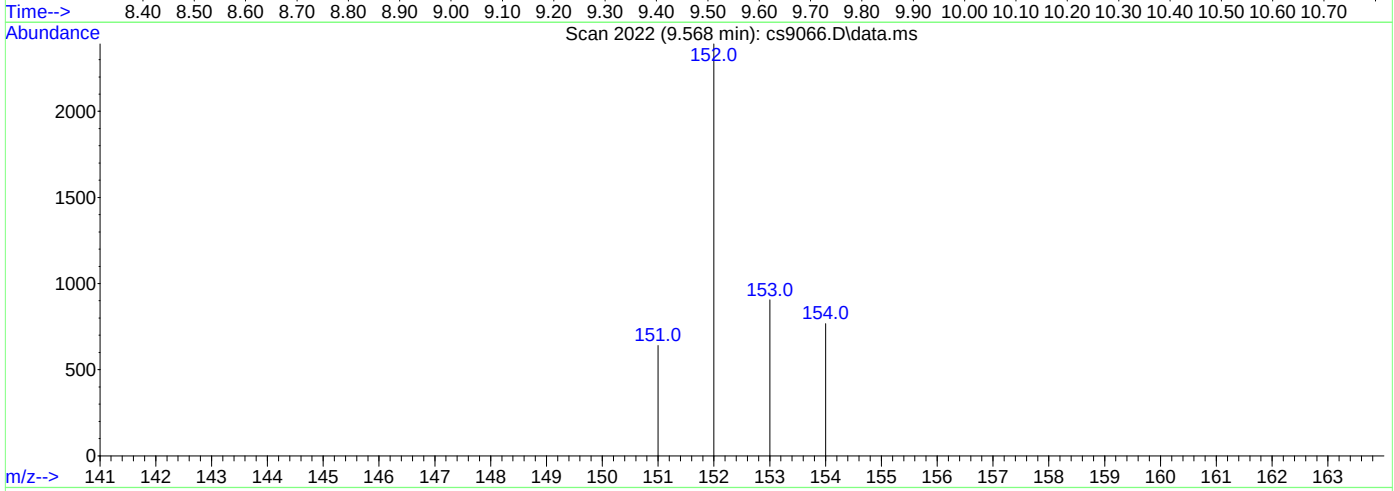
Ion	Exp%	Act%
152.00	100	100
151.00	19.30	20.05
153.00	12.70	20.71
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\recheleb\ecs468\
Data File : cs9066.D
Acq On : 16 Oct 2025 05:00 pm
Operator : alejanda
Sample : je20825-1 Inst : GCMS_CS
Misc : op68138a,ecs468,250,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 17 01:56:26 2025
Quant Method : X:\Dayton SVOA GCMS\recheleb\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Fri Oct 17 01:42:09 2025
Response via : Initial Calibration





TIC: cs9066.D\data.ms

(13) Acenaphthylene (t)

9.568min (+0.002) 8.79ppb

response 1517

Ion	Exp%	Act%
152.00	100	100
151.00	19.30	20.05
153.00	12.70	20.71
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Ying Li
10/29/25 13:09

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\alodiab\EZ8699\
Data File : Z176730.d
Acq On : 27 Oct 2025 5:41 pm
Operator : rocquans
Sample : je20825-1 Inst : GCMSZ
Misc : op68290a,ez8699,250,,,1,10
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 28 09:17:10 2025
Quant Method : X:\Dayton SVOA GCMS\alodiab\Methods\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Tue Oct 28 09:03:48 2025
Response via : Initial Calibration

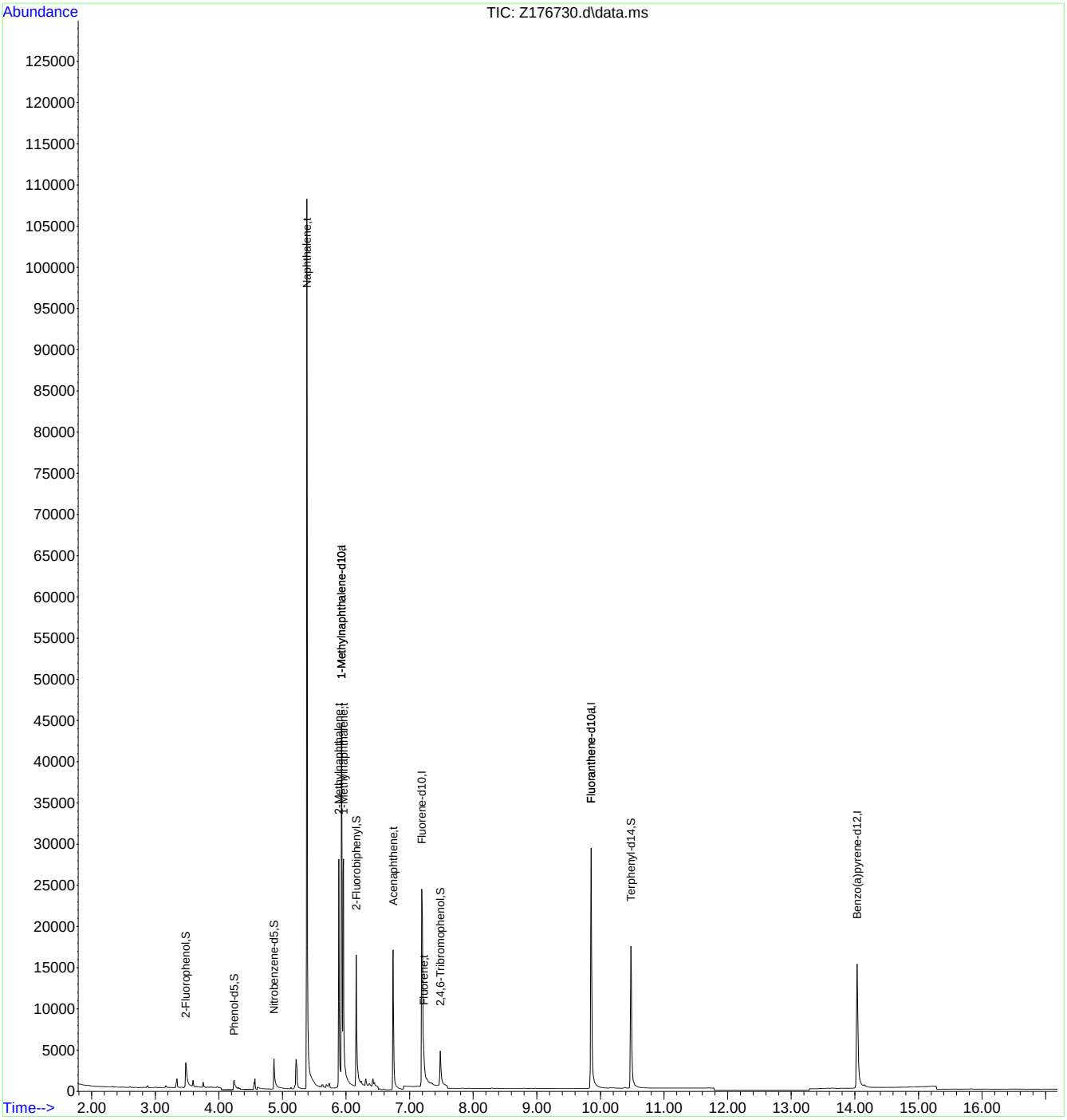
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	5.929	150	14693	800.00	ppb	0.00
12) Fluorene-d10	7.189	176	19400	800.00	ppb	0.00
19) Fluoranthene-d10	9.854	212	31955	800.00	ppb	0.00
28) Benzo(a)pyrene-d12	14.036	264	19231	800.00	ppb	0.00
35) 1-Methylnaphthalene-d10a	5.929	150	14693	800.00	ppb	0.00
37) Fluoranthene-d10a	9.854	212	31955	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	3.479	112	3010	302.86	ppb	0.01
Spiked Amount 10000.000			Recovery =	3.03%		
4) Phenol-d5	4.237	99	3184m	279.21	ppb	0.02
Spiked Amount 10000.000			Recovery =	2.79%		
6) Nitrobenzene-d5	4.866	82	3886	316.43	ppb	0.01
Spiked Amount 10000.000			Recovery =	3.16%		
13) 2-Fluorobiphenyl	6.161	172	11417	419.81	ppb	0.00
Spiked Amount 10000.000			Recovery =	4.20%		
18) 2,4,6-Tribromophenol	7.482	330	2527	558.72	ppb	0.01
Spiked Amount 10000.000			Recovery =	5.59%		
25) Terphenyl-d14	10.478	244	17424	655.60	ppb	0.00
Spiked Amount 10000.000			Recovery =	6.56%		
Target Compounds						Qvalue
7) Naphthalene	5.384	128	73191	1809.2691	ppb	96
9) 2-Methylnaphthalene	5.887	141	9633	412.2094	ppb	95
10) 1-Methylnaphthalene	5.959	141	10695	432.1583	ppb	96
15) Acenaphthene	6.741	153	6918	251.7421	ppb	98
16) Fluorene	7.221	166	1126	38.2576	ppb	95

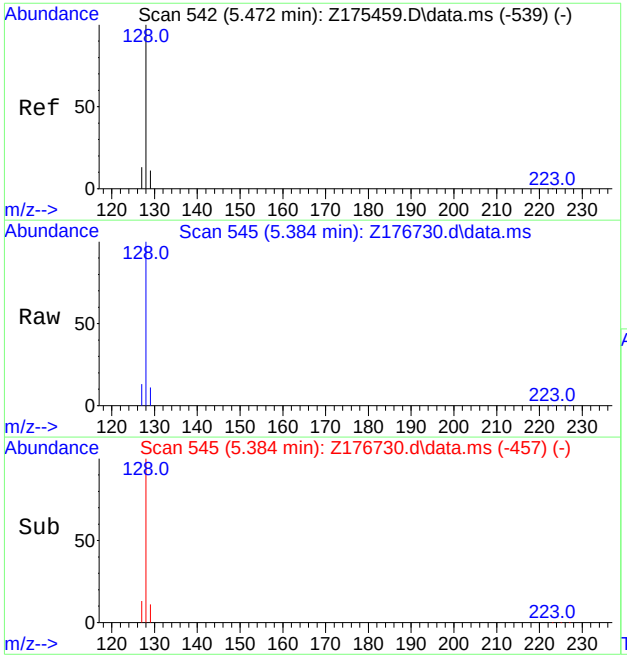
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\alodiab\EZ8699\
Data File : Z176730.d
Acq On : 27 Oct 2025 5:41 pm
Operator : rocquans
Sample : je20825-1 Inst : GCMSZ
Misc : op68290a,ez8699,250,,,1,10
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 28 09:17:10 2025
Quant Method : X:\Dayton SVOA GCMS\alodiab\Methods\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Tue Oct 28 09:03:48 2025
Response via : Initial Calibration

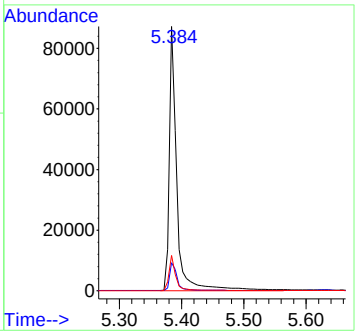


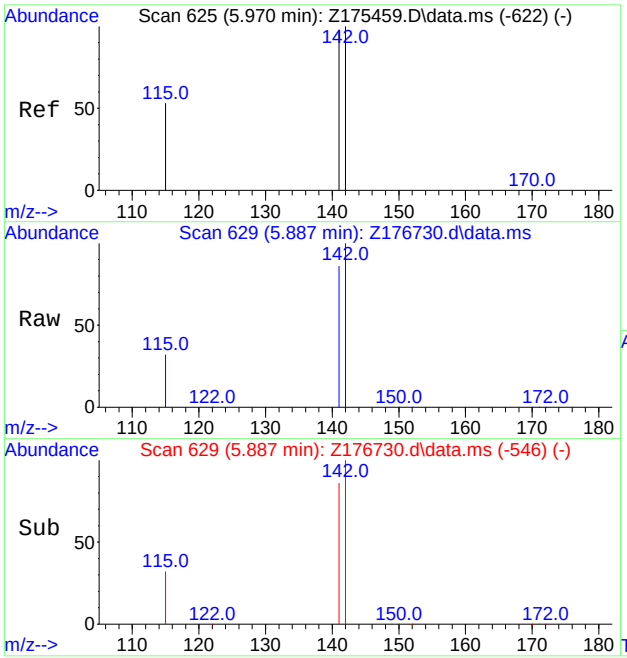


#7
Naphthalene
Concen: 1809.2691 ppb
RT: 5.384 min Scan# 545
Delta R.T. -0.006 min
Lab File: Z176730.d
Acq: 27 Oct 2025 5:41 pm

Tgt Ion:128 Resp: 73191

Ion	Ratio	Lower	Upper
128	100		
129	10.6	0.0	41.5
127	13.3	0.0	41.1

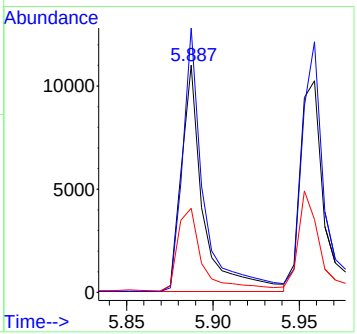


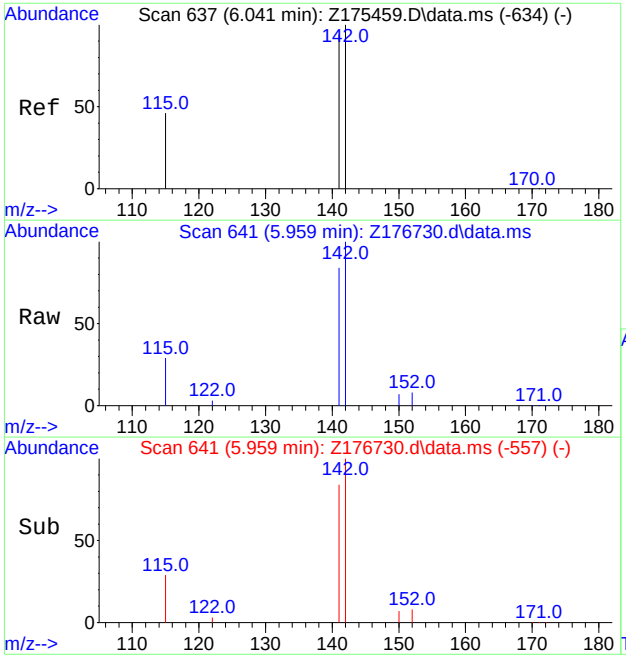


#9
2-Methylnaphthalene
Concen: 412.2094 ppb
RT: 5.887 min Scan# 629
Delta R.T. -0.000 min
Lab File: Z176730.d
Acq: 27 Oct 2025 5:41 pm

Tgt Ion:141 Resp: 9633

Ion	Ratio	Lower	Upper
141	100		
142	116.5	82.7	142.7
115	36.2	11.9	71.9

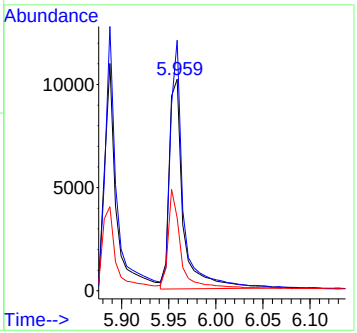


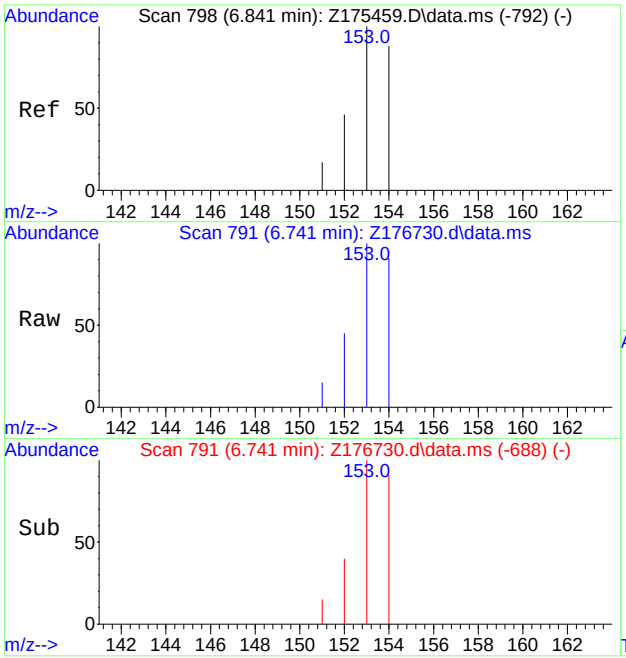


#10
1-Methylnaphthalene
Concen: 432.1583 ppb
RT: 5.959 min Scan# 641
Delta R.T. -0.000 min
Lab File: Z176730.d
Acq: 27 Oct 2025 5:41 pm

Tgt Ion:141 Resp: 10695

Ion	Ratio	Lower	Upper
141	100		
142	118.7	85.0	145.0
115	33.6	6.0	66.0

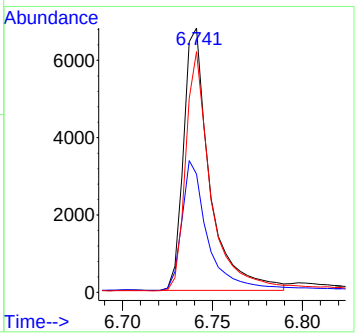


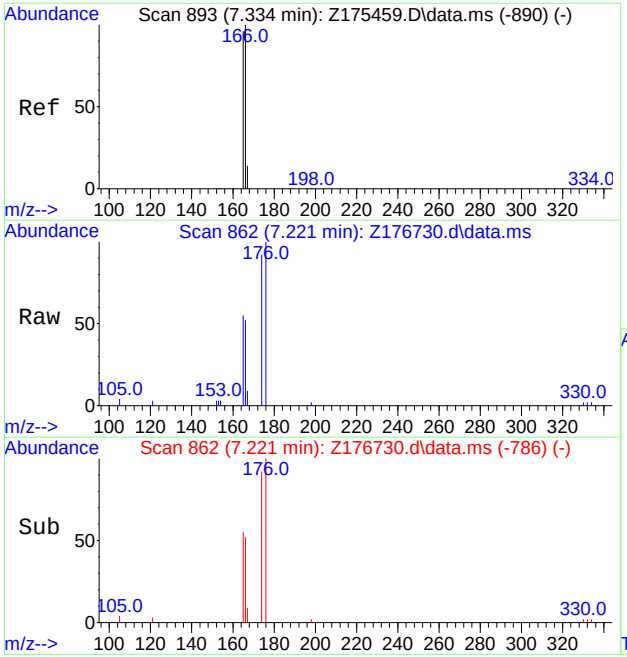


#15
Acenaphthene
Concen: 251.7421 ppb
RT: 6.741 min Scan# 791
Delta R.T. 0.000 min
Lab File: Z176730.d
Acq: 27 Oct 2025 5:41 pm

Tgt Ion:153 Resp: 6918

Ion	Ratio	Lower	Upper
153	100		
152	44.3	13.3	73.3
154	91.2	59.0	119.0

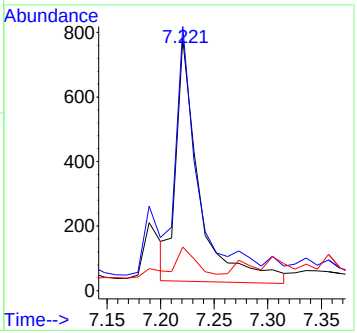




#16
Fluorene
Concen: 38.2576 ppb
RT: 7.221 min Scan# 862
Delta R.T. -0.000 min
Lab File: Z176730.d
Acq: 27 Oct 2025 5:41 pm

Tgt Ion:166 Resp: 1126

Ion	Ratio	Lower	Upper
166	100		
165	103.3	68.4	128.4
167	9.2	0.0	42.7



Manual Integration Approval Summary

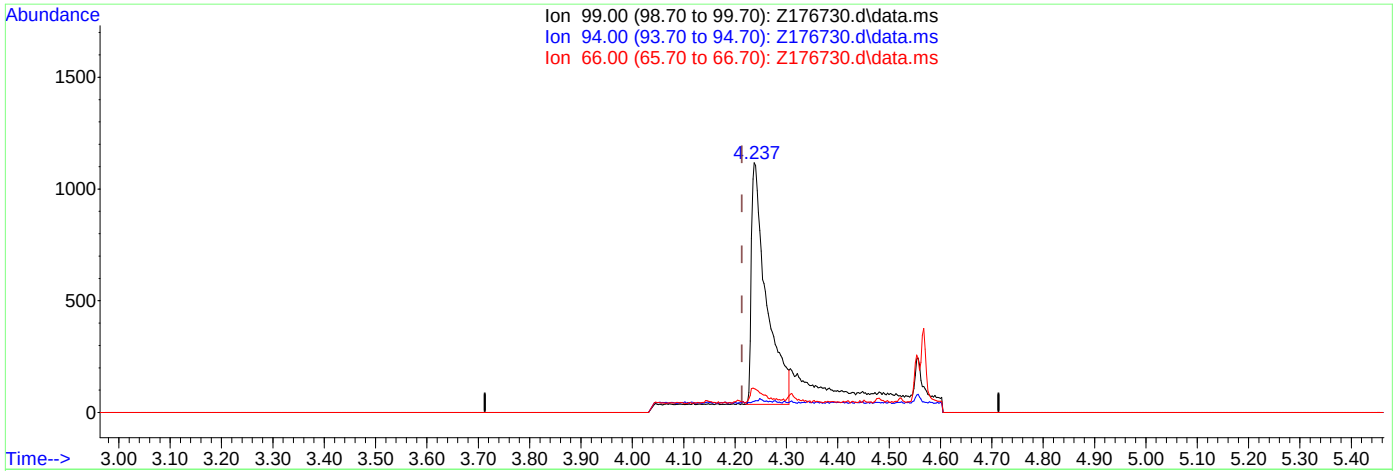
Sample Number:	JE20825-1	**Method:**	SW846 8270E BY SIM
Lab FileID:	Z176730.D	**Analyst approved:**	10/29/25 13:03 Ying Li
Injection Time:	10/27/25 17:41	**Supervisor approved:**	10/29/25 13:09 Ying Li

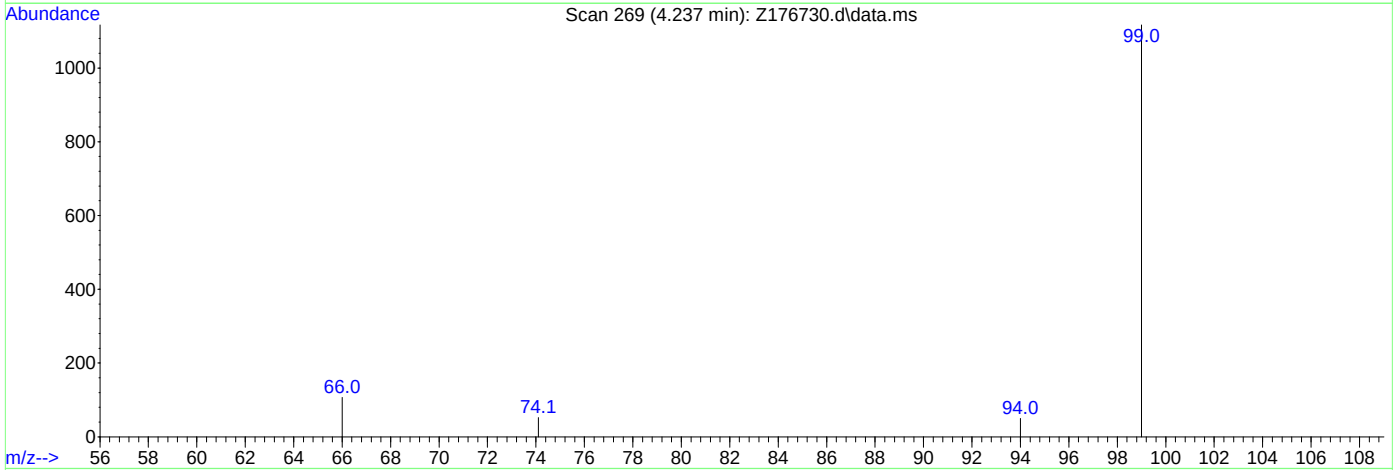
Parameter	CAS	Sig#	R.T. (min.)	Reason
Phenol-d5	4165-62-2		4.24	Poor instrument integration

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\alodiab\EZ8699\
Data File : Z176730.d
Acq On : 27 Oct 2025 5:41 pm
Operator : rocquans
Sample : je20825-1 Inst : GCMSZ
Misc : op68290a,ez8699,250,,,1,10
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 28 09:13:30 2025
Quant Method : X:\Dayton SVOA GCMS\alodiab\Methods\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Tue Oct 28 09:03:48 2025
Response via : Initial Calibration





TIC: Z176730.d\data.ms

(4) Phenol-d5 (S)

4.237min (+0.024) 192.66ppb

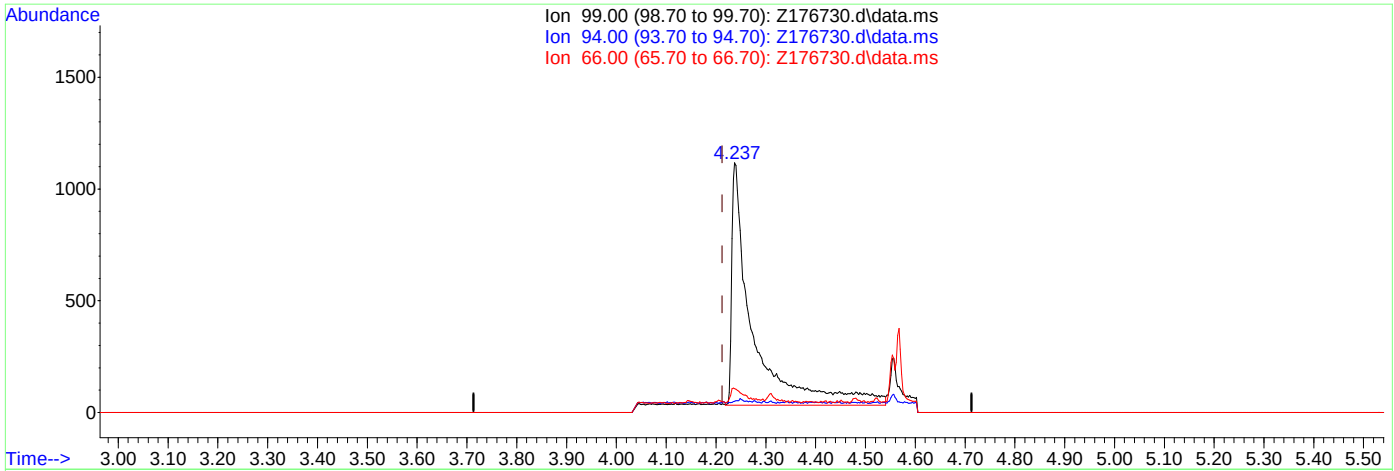
response 2197

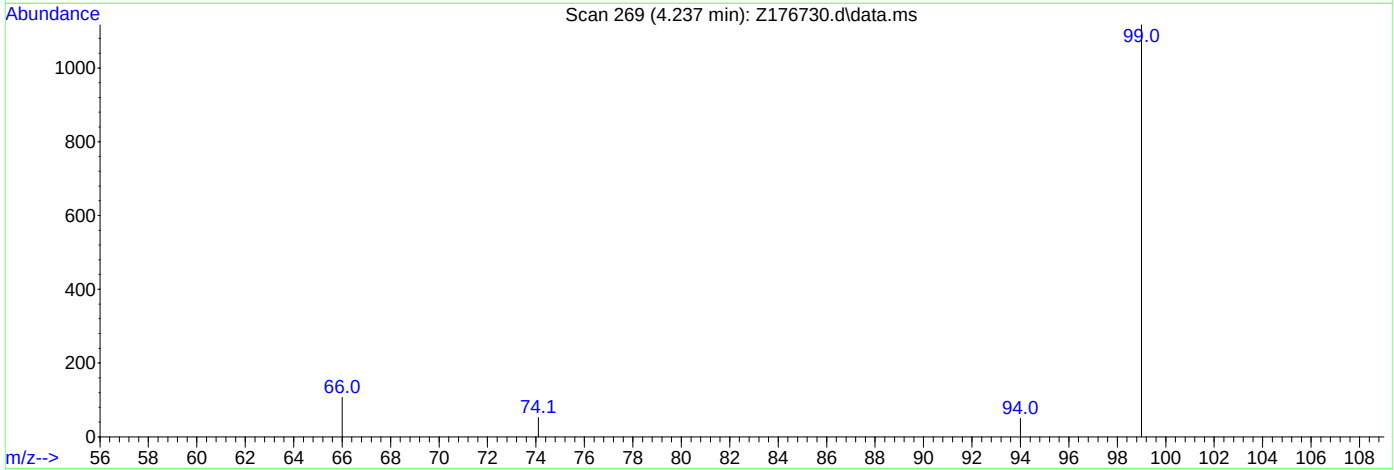
Ion	Exp%	Act%
99.00	100	100
94.00	0.60	0.50
66.00	5.80	4.73
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\alodiab\EZ8699\
Data File : Z176730.d
Acq On : 27 Oct 2025 5:41 pm
Operator : rocquans
Sample : je20825-1 Inst : GCMSZ
Misc : op68290a,ez8699,250,,,1,10
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 28 09:13:30 2025
Quant Method : X:\Dayton SVOA GCMS\alodiab\Methods\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Tue Oct 28 09:03:48 2025
Response via : Initial Calibration





TIC: Z176730.d\data.ms

(4) Phenol-d5 (S)

4.237min (+0.024) 279.21ppb m

response 3184

Ion	Exp%	Act%
99.00	100	100
94.00	0.60	4.48
66.00	5.80	9.58
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\alodiab\EZ8699\
Data File : Z176731.d
Acq On : 27 Oct 2025 6:06 pm
Operator : rocquans
Sample : je20825-1 Inst : GCMSZ
Misc : op68290a,ez8699,250,,,1,50
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 28 09:19:04 2025
Quant Method : X:\Dayton SVOA GCMS\alodiab\Methods\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Tue Oct 28 09:03:48 2025
Response via : Initial Calibration

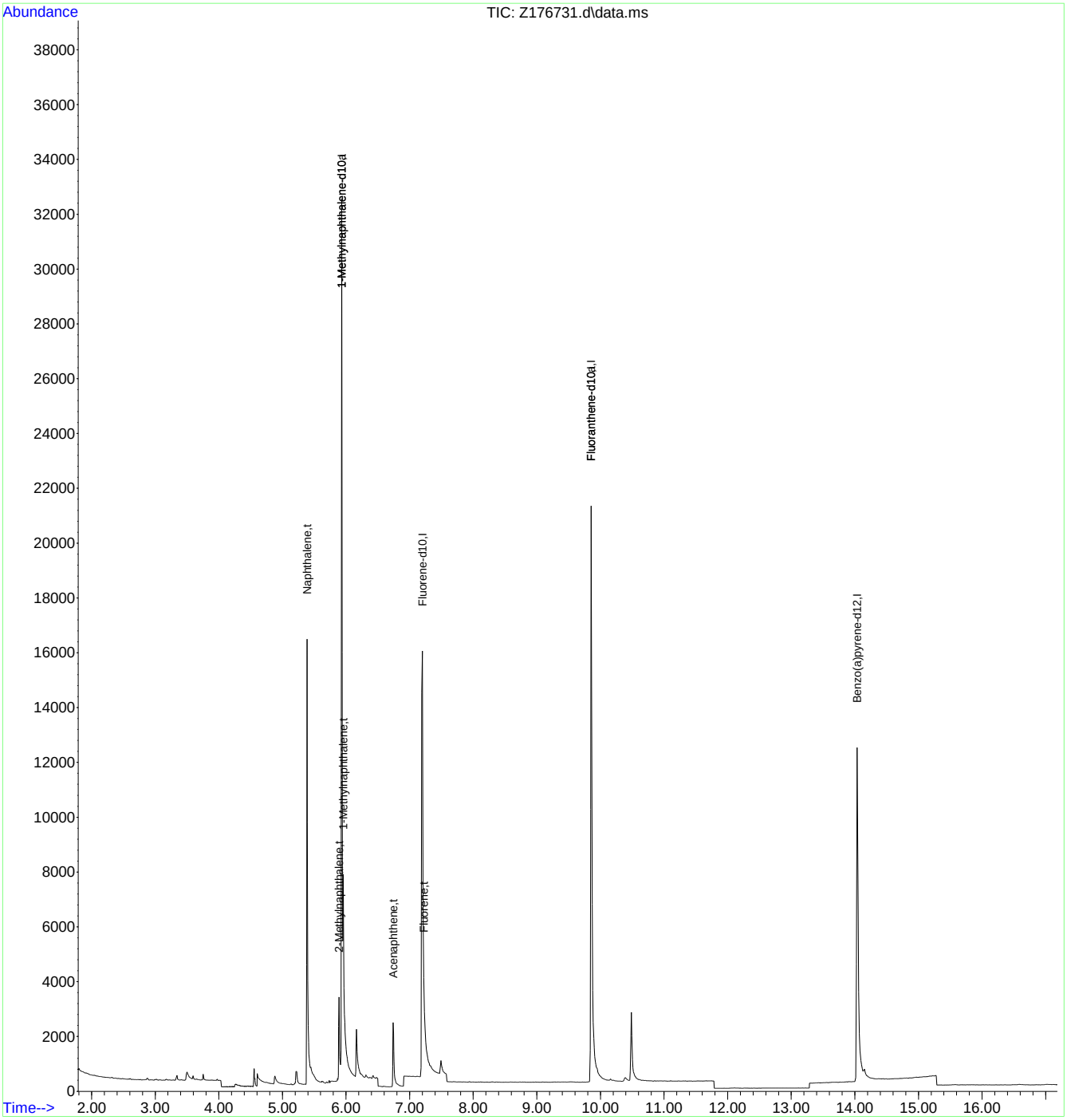
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	5.932	150	12696	800.00	ppb	0.00
12) Fluorene-d10	7.201	176	15611	800.00	ppb	0.01
19) Fluoranthene-d10	9.854	212	26114	800.00	ppb	0.00
28) Benzo(a)pyrene-d12	14.036	264	16275	800.00	ppb	0.00
35) 1-Methylnaphthalene-d10a	5.932	150	12696	800.00	ppb	0.00
37) Fluoranthene-d10a	9.854	212	26114	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	0.000	112	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
4) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
6) Nitrobenzene-d5	0.000	82	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
13) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
18) 2,4,6-Tribromophenol	0.000	330	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
25) Terphenyl-d14	0.000	244	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
Target Compounds						Qvalue
7) Naphthalene	5.387	128	12195	348.8758	ppb	96
9) 2-Methylnaphthalene	5.890	141	1505	74.5309	ppb	96
10) 1-Methylnaphthalene	5.956	141	2036	95.2102	ppb	87
15) Acenaphthene	6.742	153	1178	53.2711	ppb	95
16) Fluorene	7.221	166	172	7.2624	ppb	82

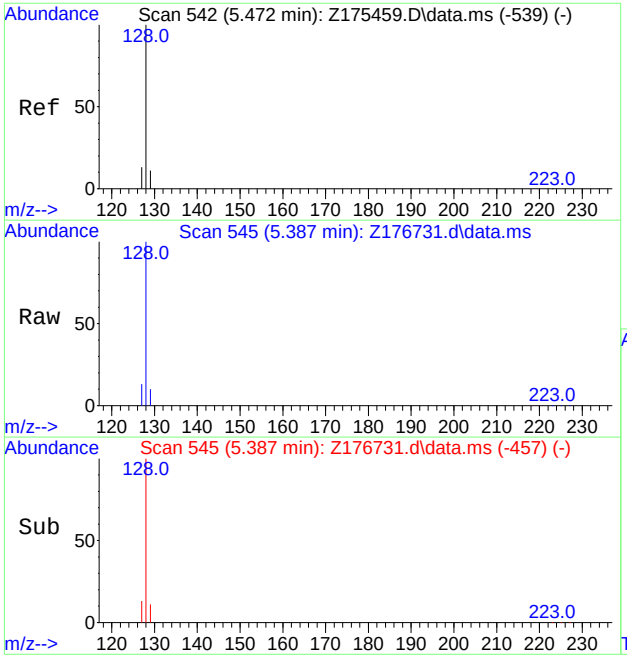
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\alodiab\EZ8699\
Data File : Z176731.d
Acq On : 27 Oct 2025 6:06 pm
Operator : rocquans
Sample : je20825-1 Inst : GCMSZ
Misc : op68290a,ez8699,250,,,1,50
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 28 09:19:04 2025
Quant Method : X:\Dayton SVOA GCMS\alodiab\Methods\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Tue Oct 28 09:03:48 2025
Response via : Initial Calibration

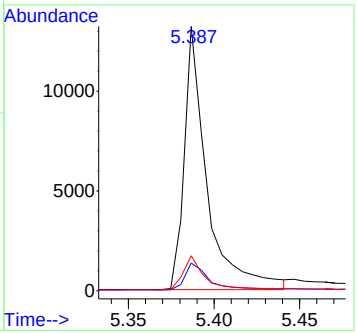


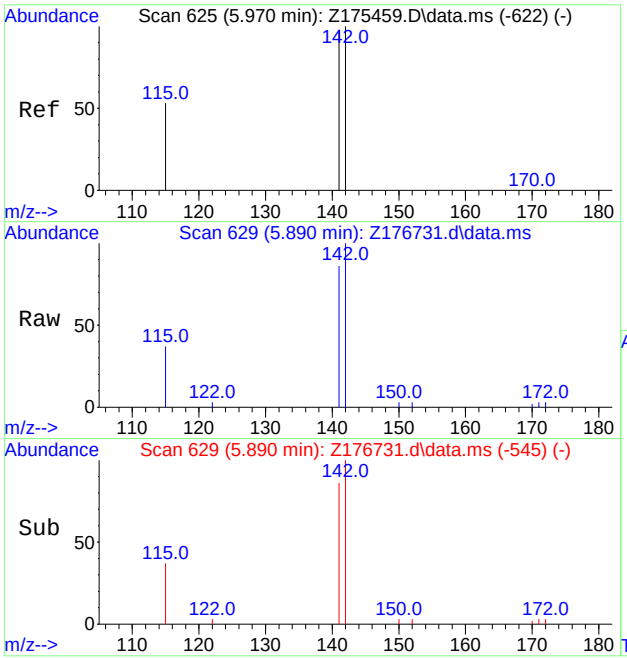


#7
Naphthalene
Concen: 348.8758 ppb
RT: 5.387 min Scan# 545
Delta R.T. -0.003 min
Lab File: Z176731.d
Acq: 27 Oct 2025 6:06 pm

Tgt Ion:128 Resp: 12195

Ion	Ratio	Lower	Upper
128	100		
129	10.2	0.0	41.5
127	13.0	0.0	41.1

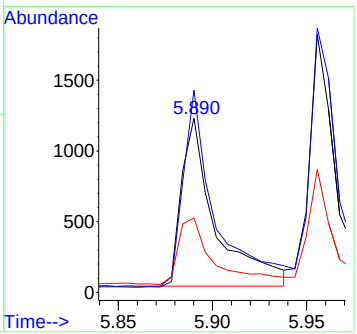


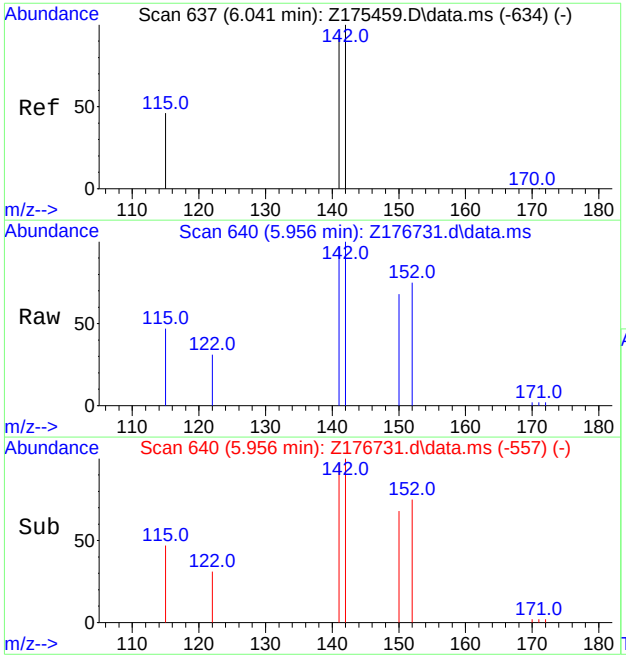


#9
2-Methylnaphthalene
Concen: 74.5309 ppb
RT: 5.890 min Scan# 629
Delta R.T. 0.003 min
Lab File: Z176731.d
Acq: 27 Oct 2025 6:06 pm

Tgt Ion:141 Resp: 1505

Ion	Ratio	Lower	Upper
141	100		
142	116.3	82.7	142.7
115	39.3	11.9	71.9

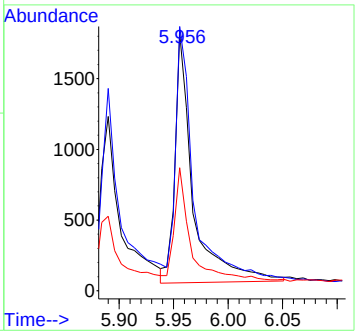


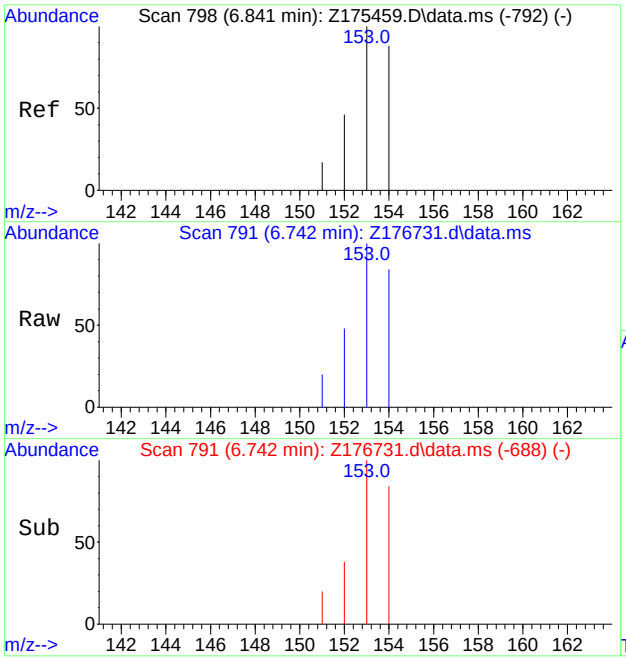


#10
1-Methylnaphthalene
Concen: 95.2102 ppb
RT: 5.956 min Scan# 640
Delta R.T. -0.003 min
Lab File: Z176731.d
Acq: 27 Oct 2025 6:06 pm

Tgt Ion:141 Resp: 2036

Ion	Ratio	Lower	Upper
141	100		
142	102.0	85.0	145.0
115	45.8	6.0	66.0

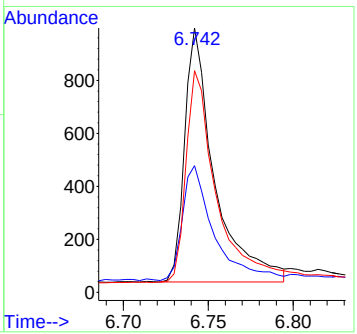


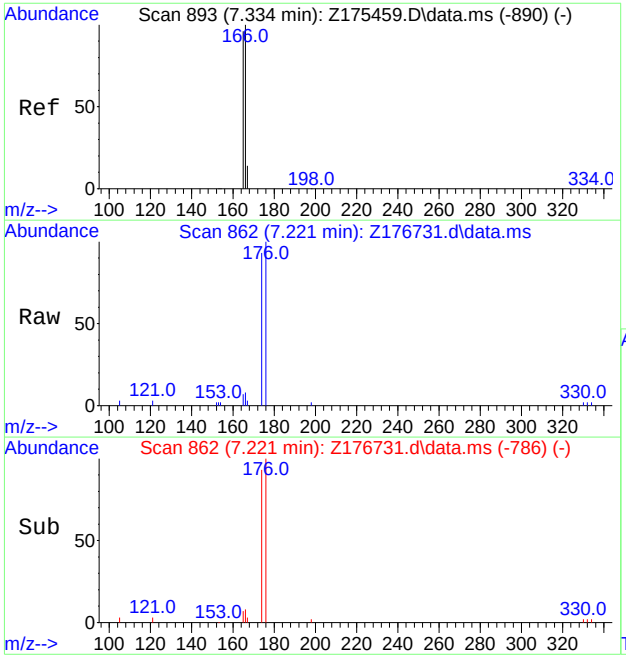


#15
Acenaphthene
Concen: 53.2711 ppb
RT: 6.742 min Scan# 791
Delta R.T. 0.001 min
Lab File: Z176731.d
Acq: 27 Oct 2025 6:06 pm

Tgt Ion:153 Resp: 1178

Ion	Ratio	Lower	Upper
153	100		
152	45.5	13.3	73.3
154	83.1	59.0	119.0

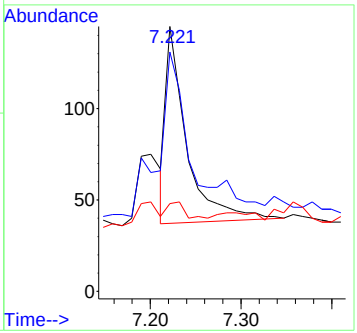




#16
Fluorene
Concen: 7.2624 ppb
RT: 7.221 min Scan# 862
Delta R.T. 0.001 min
Lab File: Z176731.d
Acq: 27 Oct 2025 6:06 pm

Tgt Ion:166 Resp: 172

Ion	Ratio	Lower	Upper
166	100		
165	80.3	68.4	128.4
167	6.6	0.0	42.7



Manual Integrations APPROVED (compounds with "m" flag)
Ying Li
10/29/25 13:09

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\nerirose\ecs475\
Data File : cs9252.D
Acq On : 24 Oct 2025 04:23 pm
Operator : alejanda
Sample : je20825-1 Inst : GCMS_CS
Misc : op68290a,ecs475,250,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 26 18:27:15 2025
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Sun Oct 26 17:18:53 2025
Response via : Initial Calibration

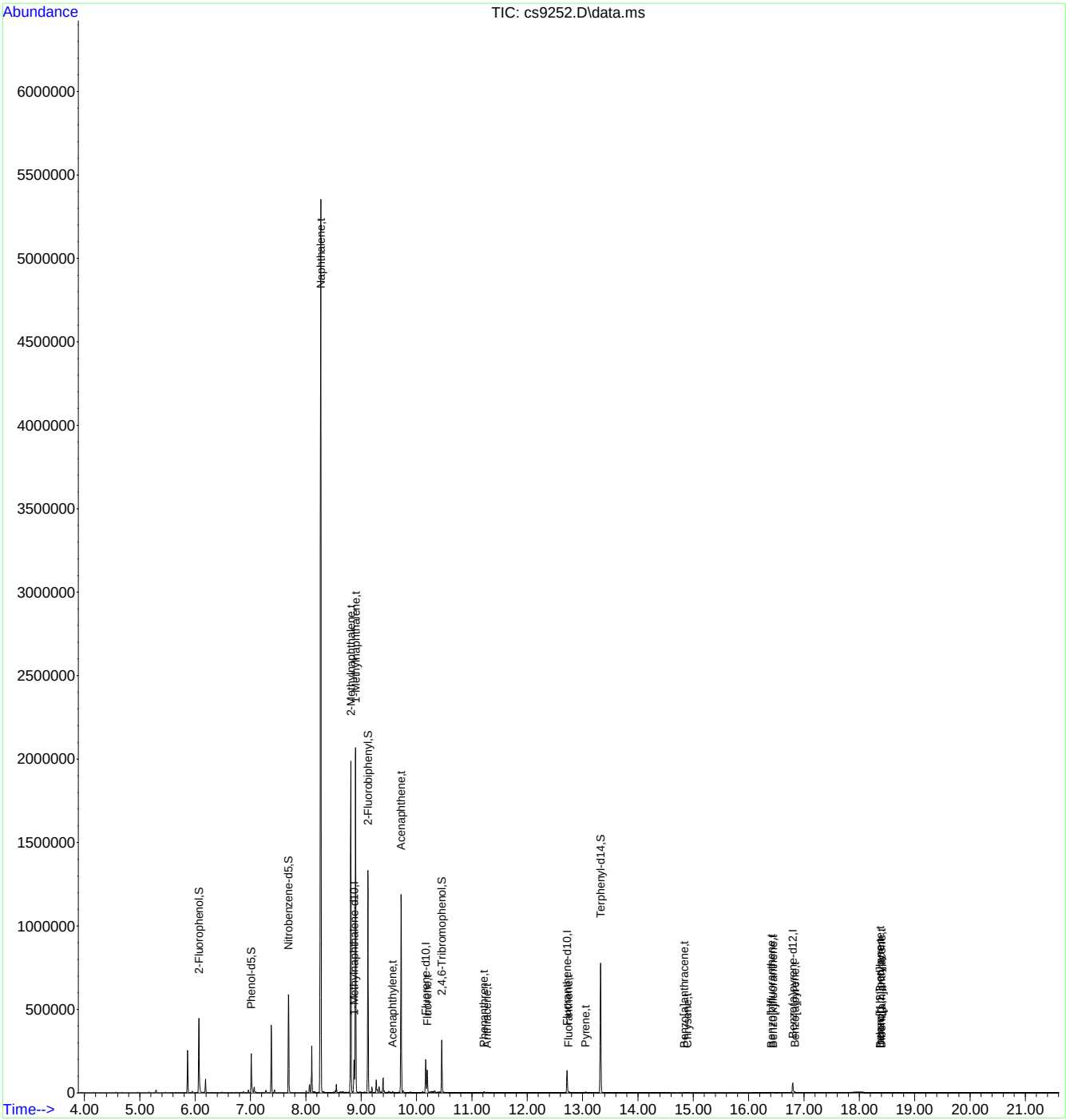
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	8.870	150	61508	800.00	ppb	0.00
11) Fluorene-d10	10.165	176	74580	800.00	ppb	0.00
18) Fluoranthene-d10	12.718	212	104900	800.00	ppb	0.00
28) Benzo(a)pyrene-d12	16.797	264	48833	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	6.068	112	212857	3611.71	ppb	0.00
Spiked Amount 10000.000			Recovery =	36.12%		
4) Phenol-d5	7.013	99	189161	2718.24	ppb	0.00
Spiked Amount 10000.000			Recovery =	27.18%		
6) Nitrobenzene-d5	7.686	82	319273	5560.02	ppb	0.00
Spiked Amount 10000.000			Recovery =	55.60%		
12) 2-Fluorobiphenyl	9.122	172	633078	5236.91	ppb	0.00
Spiked Amount 10000.000			Recovery =	52.37%		
17) 2,4,6-Tribromophenol	10.456	330	108688	8763.35	ppb	0.00
Spiked Amount 10000.000			Recovery =	87.63%		
25) Terphenyl-d14	13.326	244	558340	7419.88	ppb	0.00
Spiked Amount 10000.000			Recovery =	74.20%		
Target Compounds						Qvalue
7) Naphthalene	8.270	128	4260615	19298.0400	ppb	98
9) 2-Methylnaphthalene	8.813	141	625947	5105.1717	ppb	100
10) 1-Methylnaphthalene	8.898	141	663282	5685.7248	ppb	100
13) Acenaphthylene	9.568	152	3672m	20.1442	ppb	
14) Acenaphthene	9.722	153	384570	3031.9905	ppb	99
15) Fluorene	10.193	166	55564	383.7409	ppb	99
21) Phenanthrene	11.218	178	4497	24.1705	ppb	98
22) Anthracene	11.272	178	1724m	10.0491	ppb	
23) Fluoranthene	12.745	202	3921m	20.0767	ppb	
24) Pyrene	13.052	202	3646	18.3750	ppb	99
26) Benzo[a]anthracene	14.836	228	798	5.5698	ppb	95
27) Chrysene	14.893	228	1541	10.8358	ppb	100
29) Benzo[b]fluoranthene	16.408	252	1371	12.8471	ppb	90
30) Benzo[k]fluoranthene	16.441	252	904m	9.0840	ppb	
31) Benzo[a]pyrene	16.835	252	760	7.6803	ppb	88
32) Indeno[1,2,3-cd]pyrene	18.375	276	663	8.4944	ppb	98
33) Dibenz[a,h]anthracene	18.402	278	189m	2.5830	ppb	
34) Benzo[g,h,i]perylene	18.375	276	663	8.5207	ppb	94

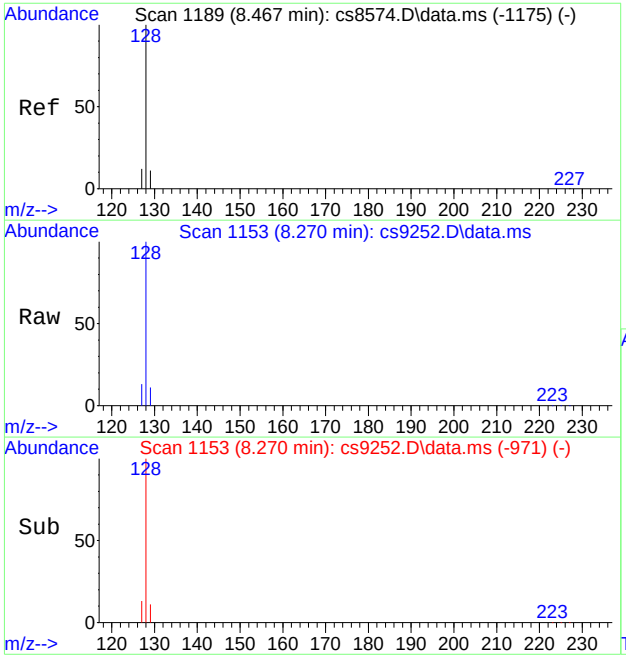
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\nerirose\ecs475\
Data File : cs9252.D
Acq On : 24 Oct 2025 04:23 pm
Operator : alejanda
Sample : je20825-1 Inst : GCMS_CS
Misc : op68290a,ecs475,250,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 26 18:27:15 2025
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Sun Oct 26 17:18:53 2025
Response via : Initial Calibration

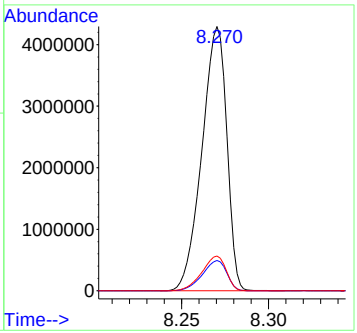


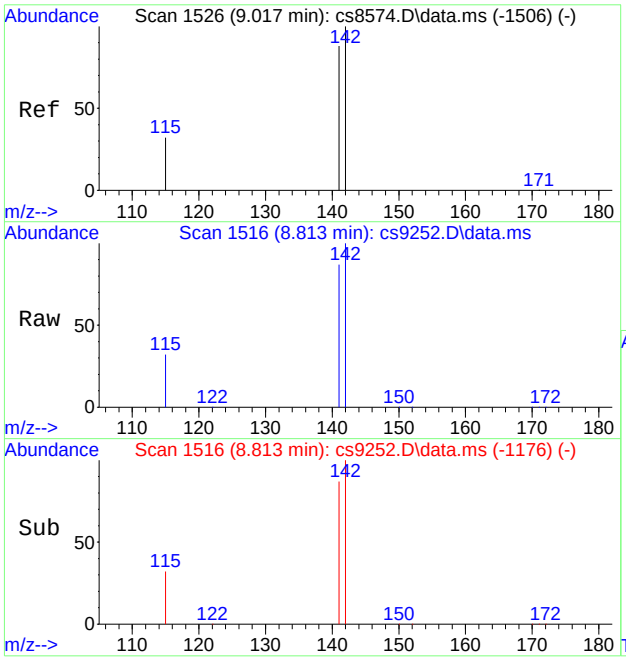


#7
Naphthalene
Concen: 19298.0400 ppb
RT: 8.270 min Scan# 1153
Delta R.T. 0.004 min
Lab File: cs9252.D
Acq: 24 Oct 2025 04:23 pm

Tgt Ion:128 Resp: 4260615

Ion	Ratio	Lower	Upper
128	100		
129	11.4	0.0	40.8
127	13.1	0.0	42.6

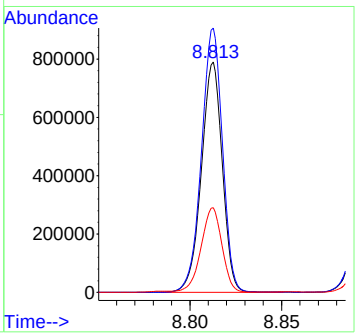




#9
2-Methylnaphthalene
Concen: 5105.1717 ppb
RT: 8.813 min Scan# 1516
Delta R.T. -0.001 min
Lab File: cs9252.D
Acq: 24 Oct 2025 04:23 pm

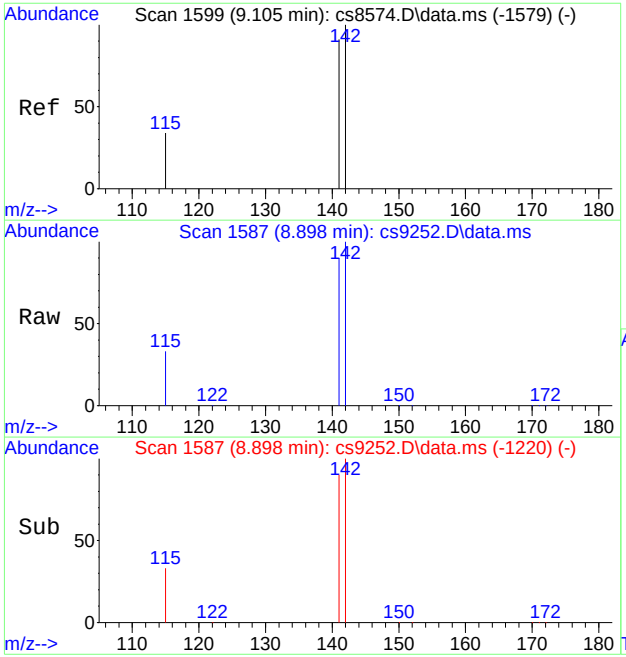
Tgt Ion:141 Resp: 625947

Ion	Ratio	Lower	Upper
141	100		
142	114.8	84.8	144.8
115	36.4	5.6	65.6



9.1.4

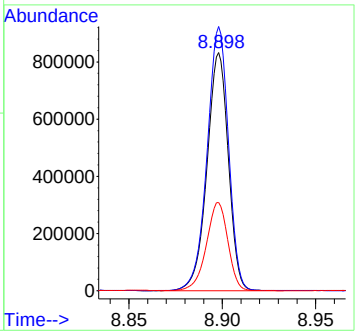
9

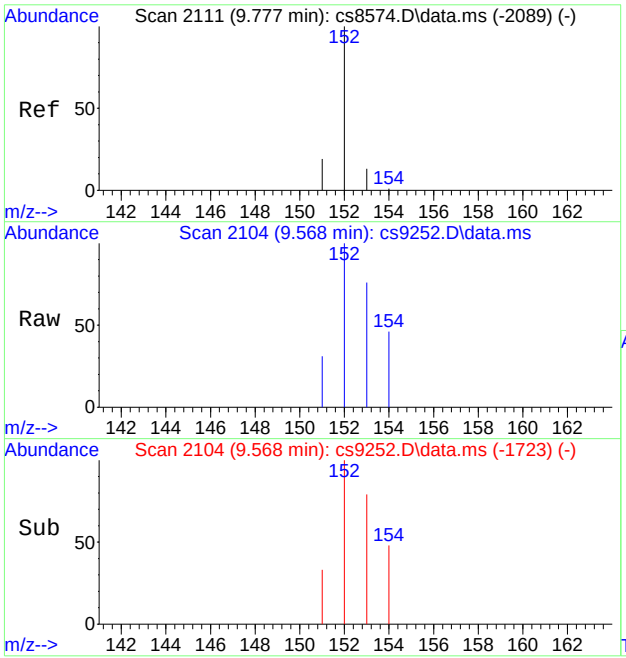


#10
1-Methylnaphthalene
Concen: 5685.7248 ppb
RT: 8.898 min Scan# 1587
Delta R.T. -0.000 min
Lab File: cs9252.D
Acq: 24 Oct 2025 04:23 pm

Tgt Ion:141 Resp: 663282

Ion	Ratio	Lower	Upper
141	100		
142	110.9	80.5	140.5
115	37.0	6.7	66.7

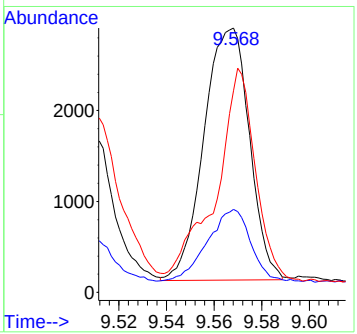


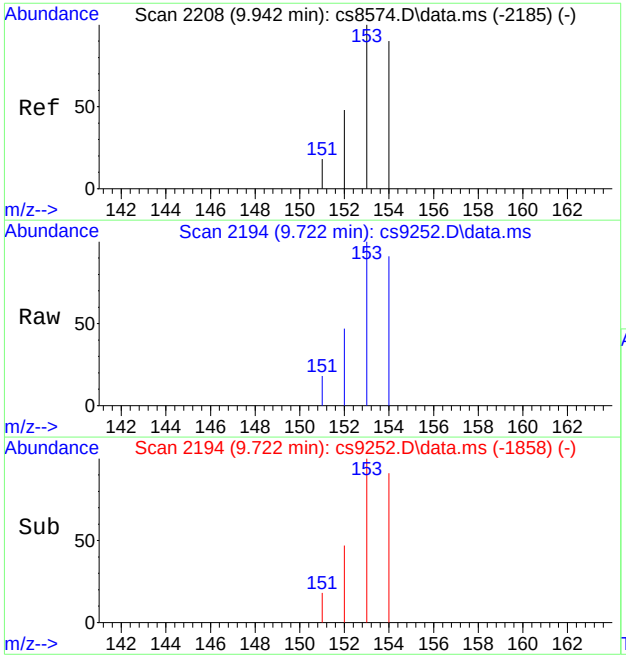


#13
Acenaphthylene
Concen: 20.1442 ppb m
RT: 9.568 min Scan# 2104
Delta R.T. 0.006 min
Lab File: cs9252.D
Acq: 24 Oct 2025 04:23 pm

Tgt Ion:152 Resp: 3672

Ion	Ratio	Lower	Upper
152	100		
151	31.4	0.0	49.1
153	76.2	0.0	42.9#

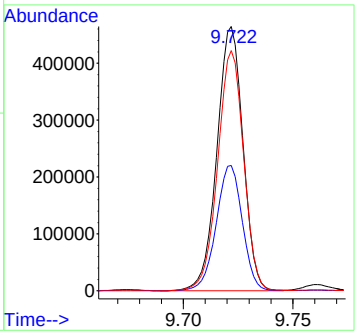


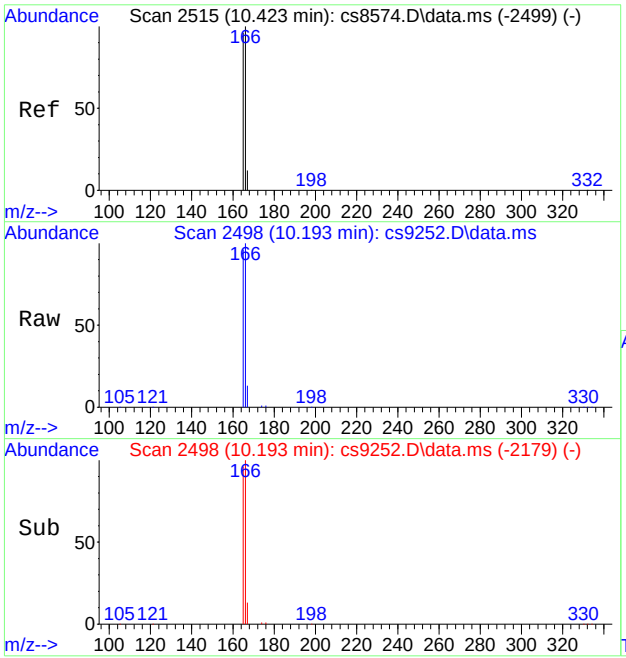


#14
Acenaphthene
Concen: 3031.9905 ppb
RT: 9.722 min Scan# 2194
Delta R.T. -0.002 min
Lab File: cs9252.D
Acq: 24 Oct 2025 04:23 pm

Tgt Ion:153 Resp: 384570

Ion	Ratio	Lower	Upper
153	100		
152	47.4	17.1	77.1
154	90.9	59.9	119.9

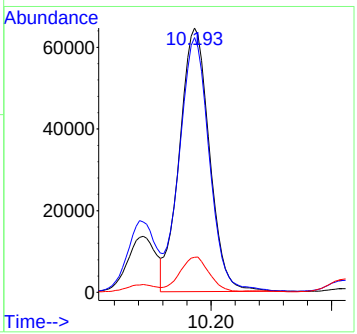


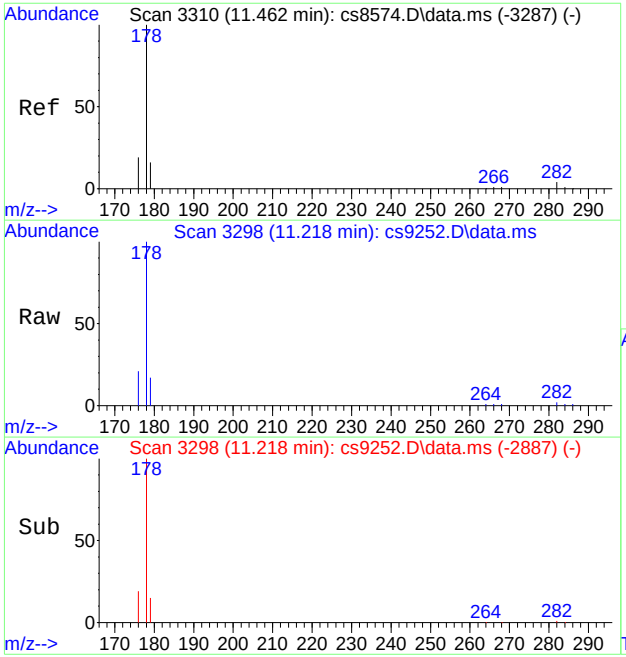


#15
Fluorene
Concen: 383.7409 ppb
RT: 10.193 min Scan# 2498
Delta R.T. -0.004 min
Lab File: cs9252.D
Acq: 24 Oct 2025 04:23 pm

Tgt Ion:166 Resp: 55564

Ion	Ratio	Lower	Upper
166	100		
165	94.9	65.4	125.4
167	13.0	0.0	43.4

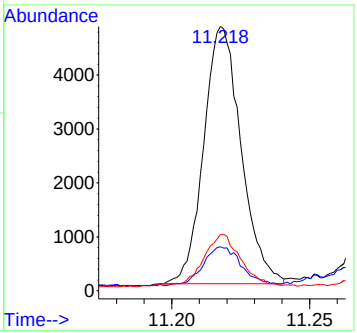


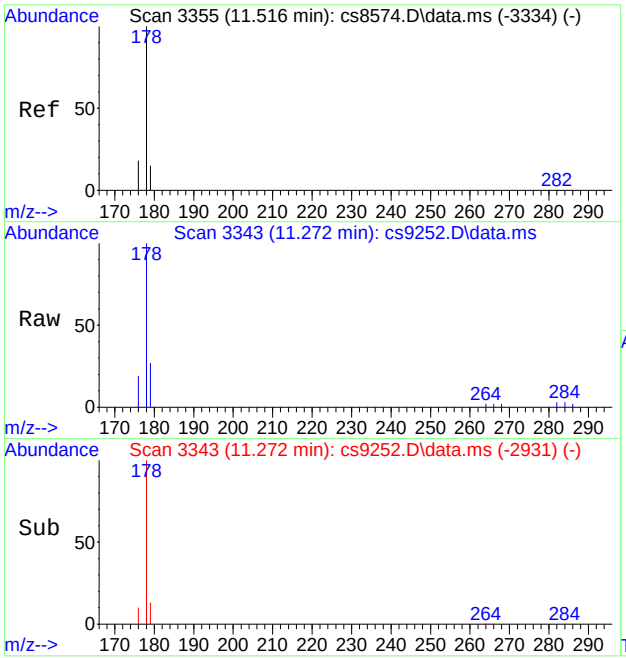


#21
Phenanthrene
Concen: 24.1705 ppb
RT: 11.218 min Scan# 3298
Delta R.T. -0.002 min
Lab File: cs9252.D
Acq: 24 Oct 2025 04:23 pm

Tgt Ion:178 Resp: 4497

Ion	Ratio	Lower	Upper
178	100		
179	14.6	0.0	45.5
176	19.7	0.0	48.8

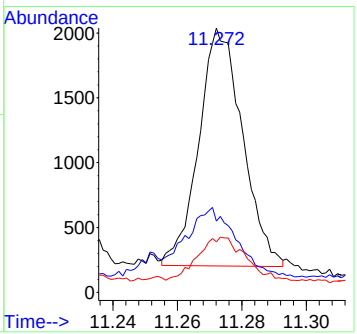


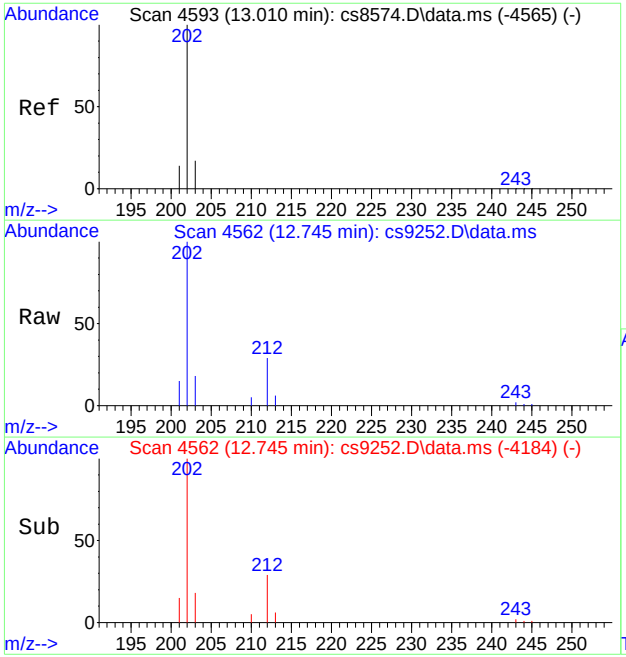


#22
Anthracene
Concen: 10.0491 ppb m
RT: 11.272 min Scan# 3343
Delta R.T. -0.001 min
Lab File: cs9252.D
Acq: 24 Oct 2025 04:23 pm

Tgt Ion:178 Resp: 1724

Ion	Ratio	Lower	Upper
178	100		
179	26.9	0.0	45.1
176	19.1	0.0	49.1

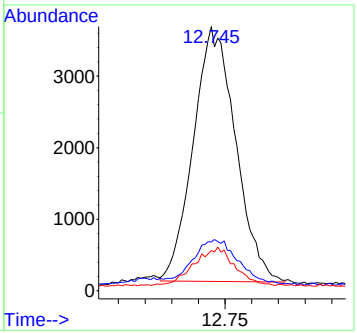


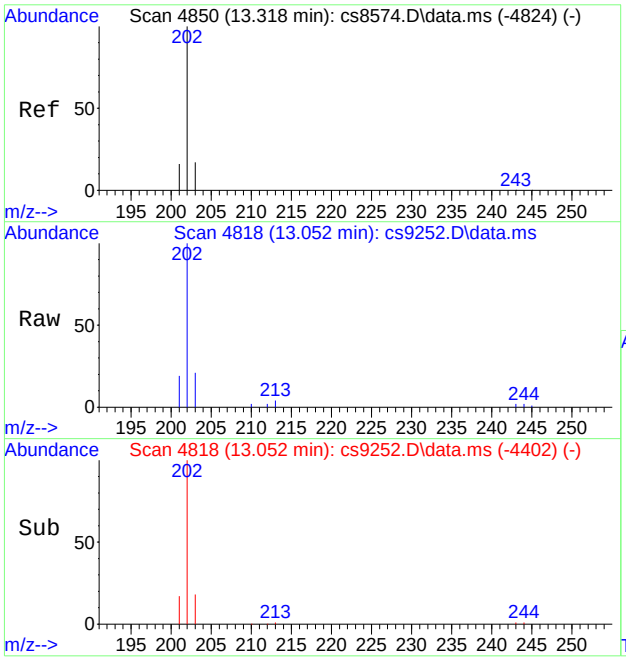


#23
Fluoranthene
Concen: 20.0767 ppb m
RT: 12.745 min Scan# 4562
Delta R.T. -0.004 min
Lab File: cs9252.D
Acq: 24 Oct 2025 04:23 pm

Tgt Ion:202 Resp: 3921

Ion	Ratio	Lower	Upper
202	100		
203	18.4	0.0	46.9
201	15.3	0.0	44.0

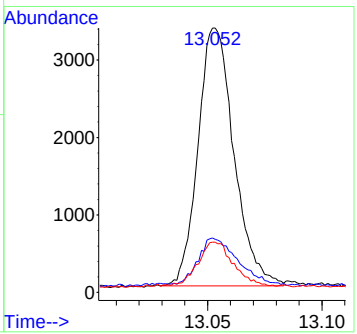


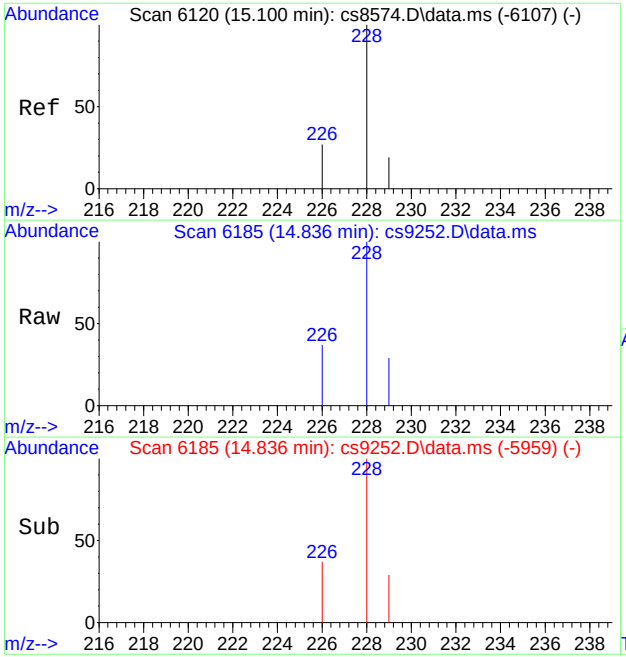


#24
Pyrene
Concen: 18.3750 ppb
RT: 13.052 min Scan# 4818
Delta R.T. -0.001 min
Lab File: cs9252.D
Acq: 24 Oct 2025 04:23 pm

Tgt Ion:202 Resp: 3646

Ion	Ratio	Lower	Upper
202	100		
203	17.7	0.0	47.0
201	17.0	0.0	46.7

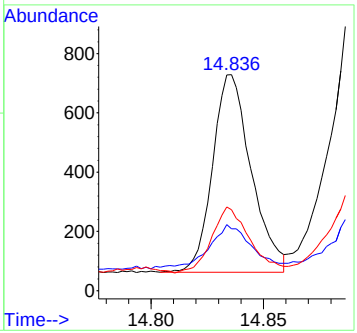


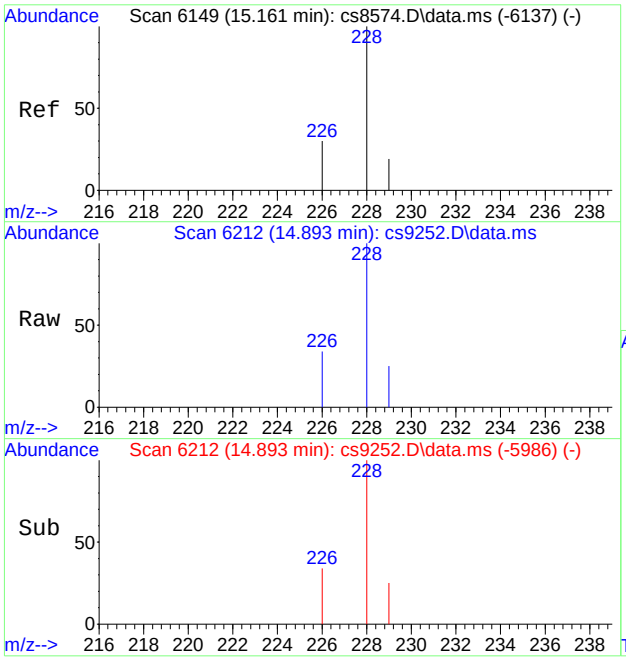


#26
Benzo[a]anthracene
Concen: 5.5698 ppb
RT: 14.836 min Scan# 6185
Delta R.T. 0.004 min
Lab File: cs9252.D
Acq: 24 Oct 2025 04:23 pm

Tgt Ion:228 Resp: 798

Ion	Ratio	Lower	Upper
228	100		
229	19.3	0.0	49.0
226	31.1	0.0	57.2

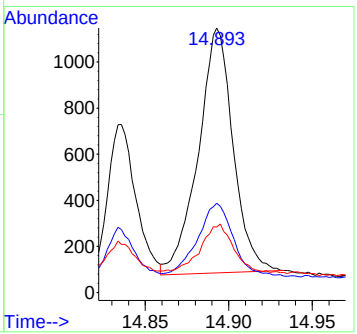


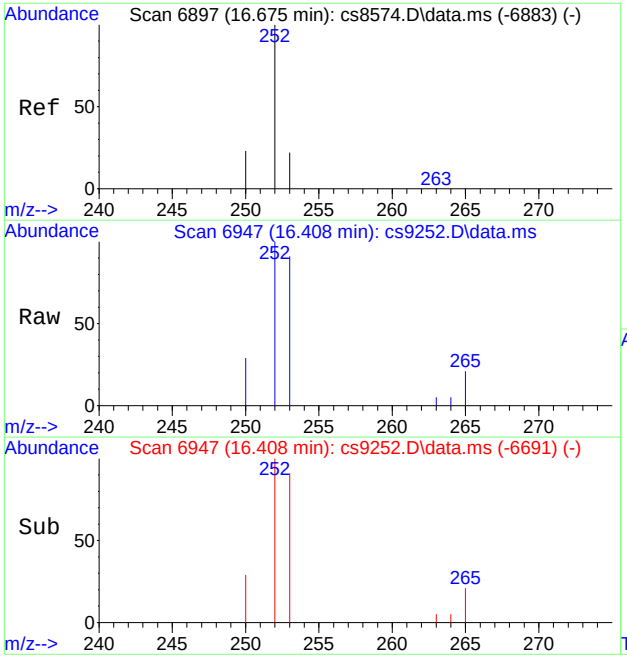


#27
Chrysene
Concen: 10.8358 ppb
RT: 14.893 min Scan# 6212
Delta R.T. 0.002 min
Lab File: cs9252.D
Acq: 24 Oct 2025 04:23 pm

Tgt Ion:228 Resp: 1541

Ion	Ratio	Lower	Upper
228	100		
226	29.9	0.0	60.0
229	18.7	0.0	48.8

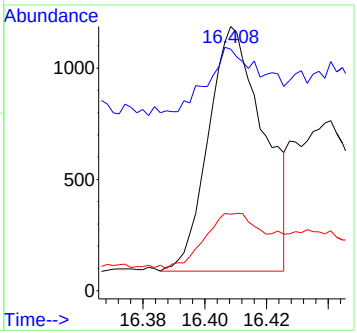


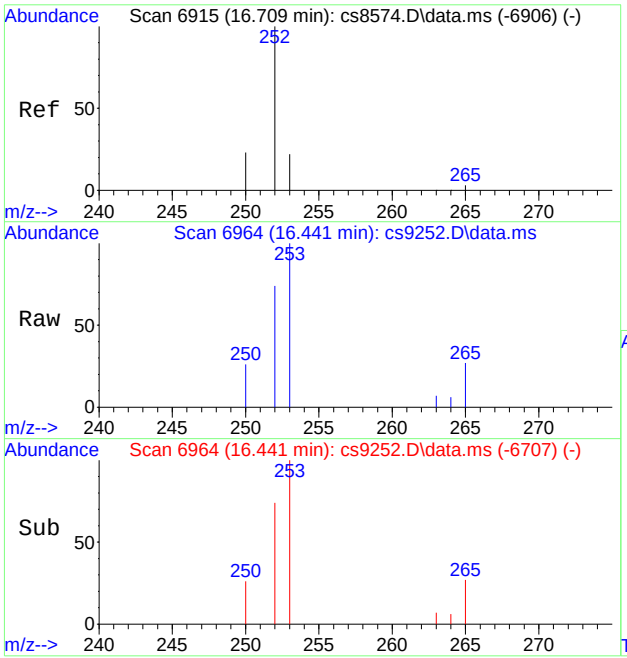


#29
Benzo[b]fluoranthene
Concen: 12.8471 ppb
RT: 16.408 min Scan# 6947
Delta R.T. 0.004 min
Lab File: cs9252.D
Acq: 24 Oct 2025 04:23 pm

Tgt Ion:252 Resp: 1371

Ion	Ratio	Lower	Upper
252	100		
253	27.2	0.0	51.5
250	19.2	0.0	53.3

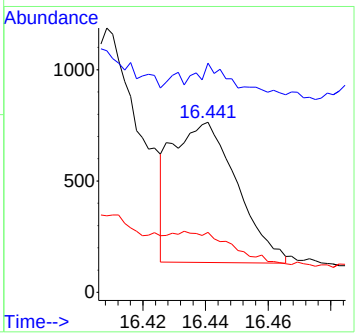


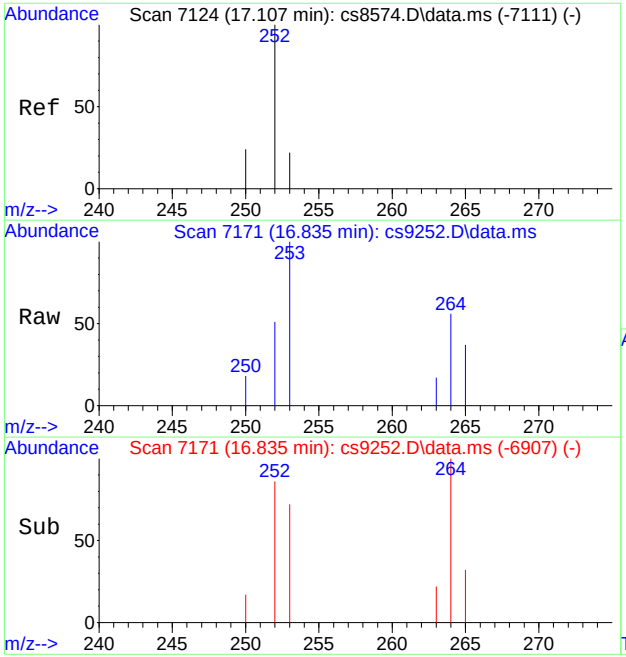


#30
Benzo[k]fluoranthene
Concen: 9.0840 ppb m
RT: 16.441 min Scan# 6964
Delta R.T. 0.002 min
Lab File: cs9252.D
Acq: 24 Oct 2025 04:23 pm

Tgt Ion:252 Resp: 904

Ion	Ratio	Lower	Upper
252	100		
253	134.8	0.0	51.5#
250	35.2	0.0	52.6

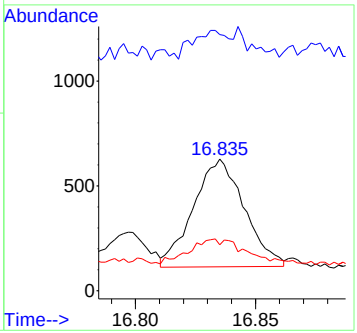


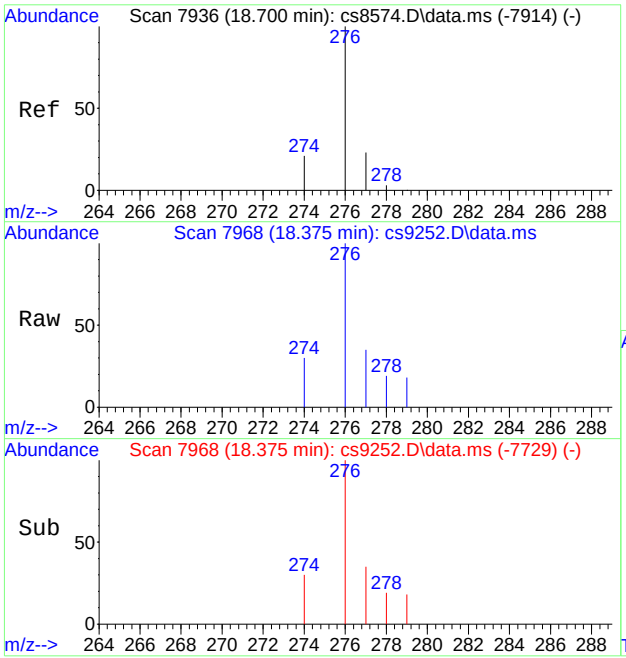


#31
Benzo[a]pyrene
Concen: 7.6803 ppb
RT: 16.835 min Scan# 7171
Delta R.T. 0.002 min
Lab File: cs9252.D
Acq: 24 Oct 2025 04:23 pm

Tgt Ion:252 Resp: 760

Ion	Ratio	Lower	Upper
252	100		
253	16.2	0.0	51.5
250	17.4	0.0	53.1

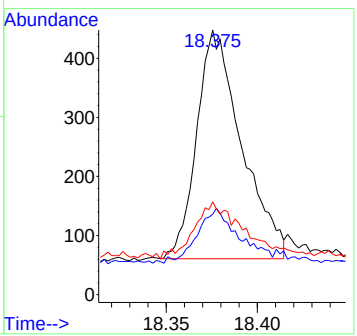


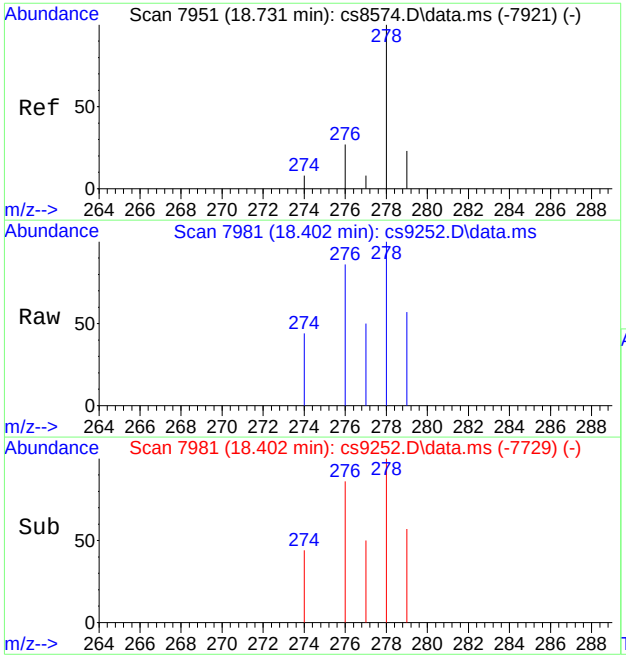


#32
Indeno[1,2,3-cd]pyrene
Concen: 8.4944 ppb
RT: 18.375 min Scan# 7968
Delta R.T. 0.010 min
Lab File: cs9252.D
Acq: 24 Oct 2025 04:23 pm

Tgt Ion:276 Resp: 663

Ion	Ratio	Lower	Upper
276	100		
274	19.1	0.0	50.8
277	23.4	0.0	53.2

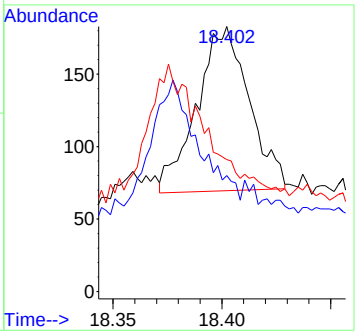


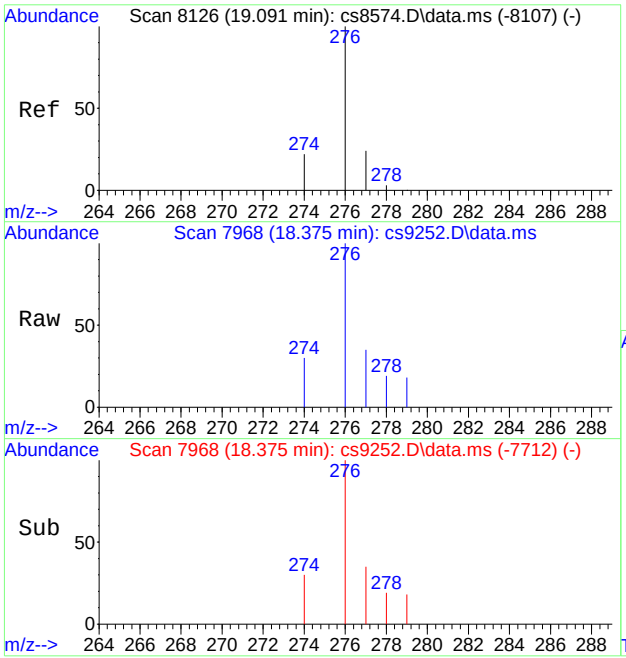


#33
Dibenz[a,h]anthracene
Concen: 2.5830 ppb m
RT: 18.402 min Scan# 7981
Delta R.T. 0.010 min
Lab File: cs9252.D
Acq: 24 Oct 2025 04:23 pm

Tgt Ion:278 Resp: 189

Ion	Ratio	Lower	Upper
278	100		
274	43.7	0.0	40.3#
277	49.7	0.0	40.4#

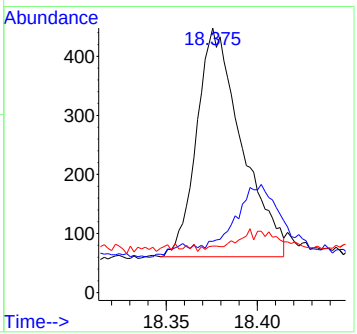




#34
Benzo[g,h,i]perylene
Concen: 8.5207 ppb
RT: 18.375 min Scan# 7968
Delta R.T. 0.010 min
Lab File: cs9252.D
Acq: 24 Oct 2025 04:23 pm

Tgt Ion:276 Resp: 663

Ion	Ratio	Lower	Upper
276	100		
278	0.0	0.0	32.2
279	0.0	0.0	30.1



Manual Integration Approval Summary

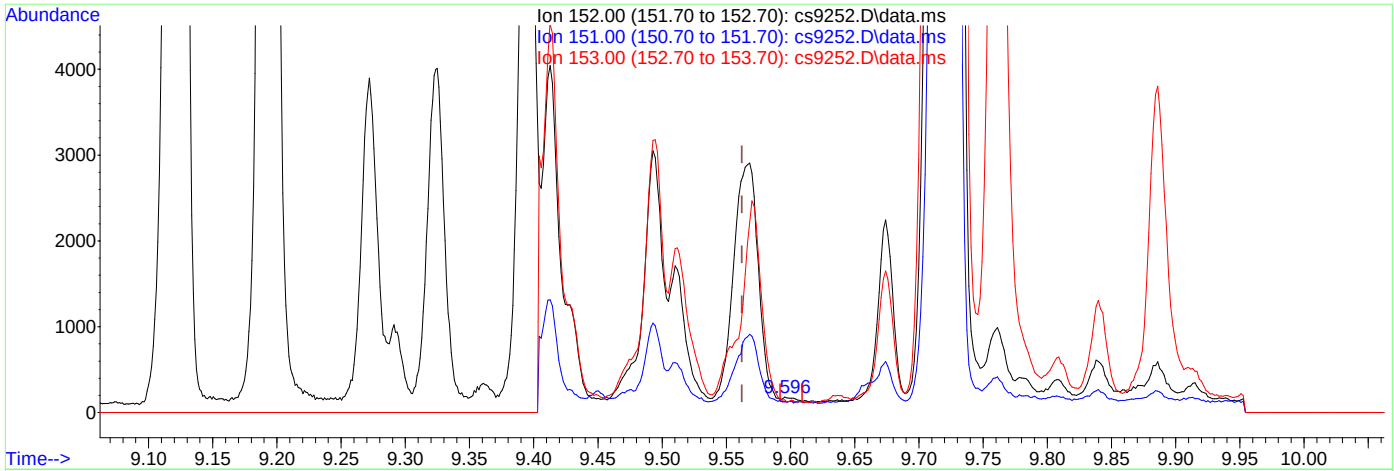
Sample Number: JE20825-1
Lab FileID: CS9252.D
Injection Time: 10/24/25 16:23
Method: SW846 8270E BY SIM
Analyst approved: 10/26/25 07:00 NeriRose Cuevas
Supervisor approved: 10/29/25 13:09 Ying Li

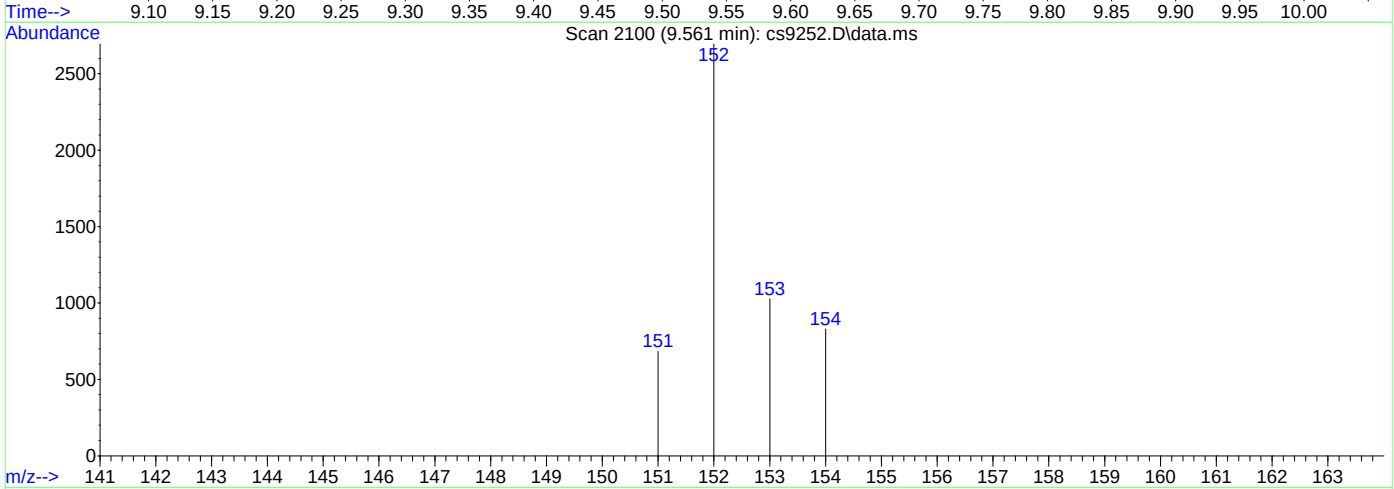
Parameter	CAS	Sig#	R.T. (min.)	Reason
Acenaphthylene	208-96-8		9.57	Poor instrument integration
Anthracene	120-12-7		11.27	Poor instrument integration
Fluoranthene	206-44-0		12.74	Poor instrument integration
Benzo(k)fluoranthene	207-08-9		16.44	Poor instrument integration
Dibenzo(a,h)anthracene	53-70-3		18.40	Poor instrument integration

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\nerirose\ecs475\
Data File : cs9252.D
Acq On : 24 Oct 2025 04:23 pm
Operator : alejanda
Sample : je20825-1 Inst : GCMS_CS
Misc : op68290a,ecs475,250,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 26 17:22:02 2025
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Sun Oct 26 17:18:53 2025
Response via : Initial Calibration





TIC: cs9252.D\data.ms

(13) Acenaphthylene (t)

9.595min (+0.033) 0.16ppb

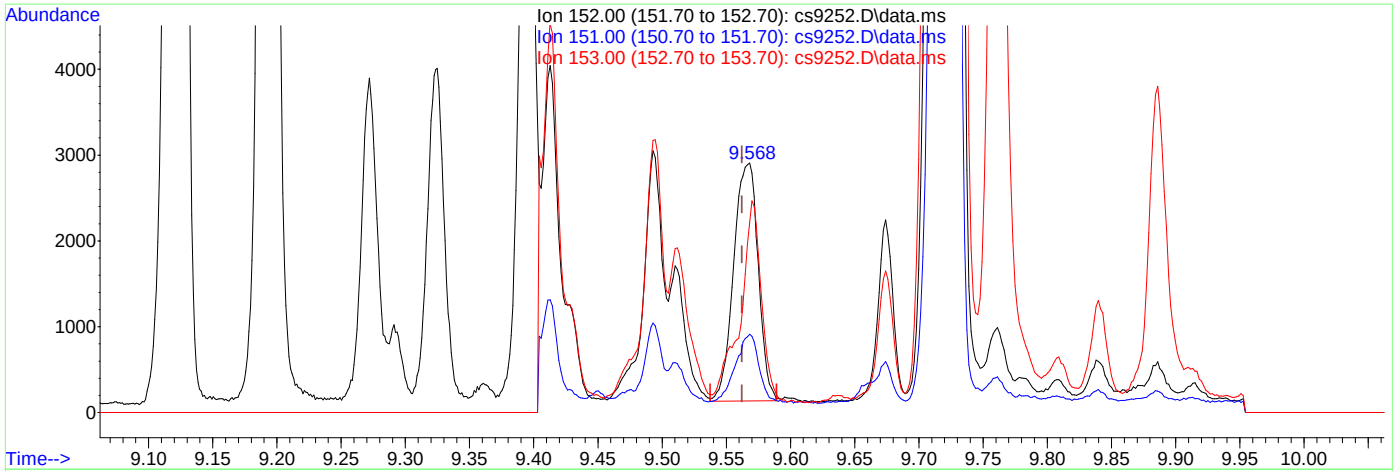
response 30

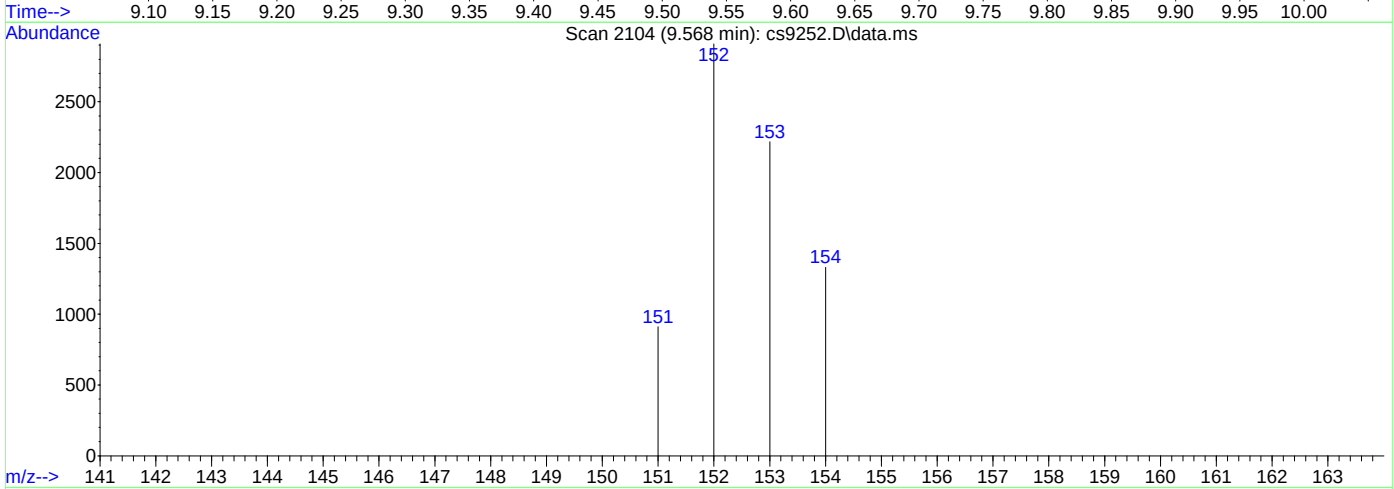
Ion	Exp%	Act%
152.00	100	100
151.00	19.10	0.00
153.00	12.90	21.92
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\nerirose\ecs475\
Data File : cs9252.D
Acq On : 24 Oct 2025 04:23 pm
Operator : alejanda
Sample : je20825-1 Inst : GCMS_CS
Misc : op68290a,ecs475,250,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 26 17:22:02 2025
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Sun Oct 26 17:18:53 2025
Response via : Initial Calibration





TIC: cs9252.D\data.ms

(13) Acenaphthylene (t)

9.568min (+0.006) 20.14ppb m

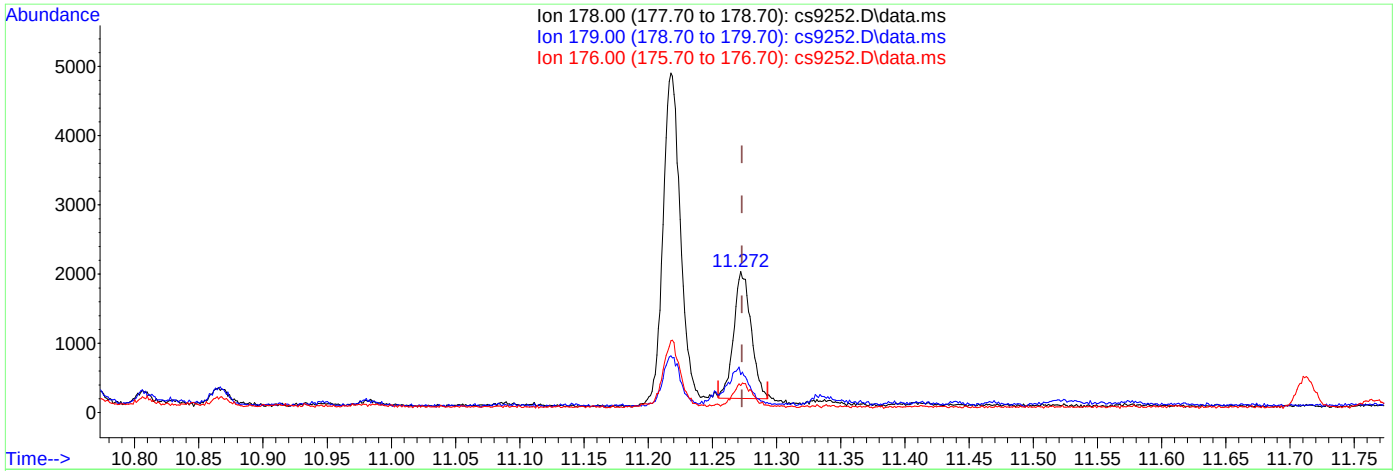
response 3672

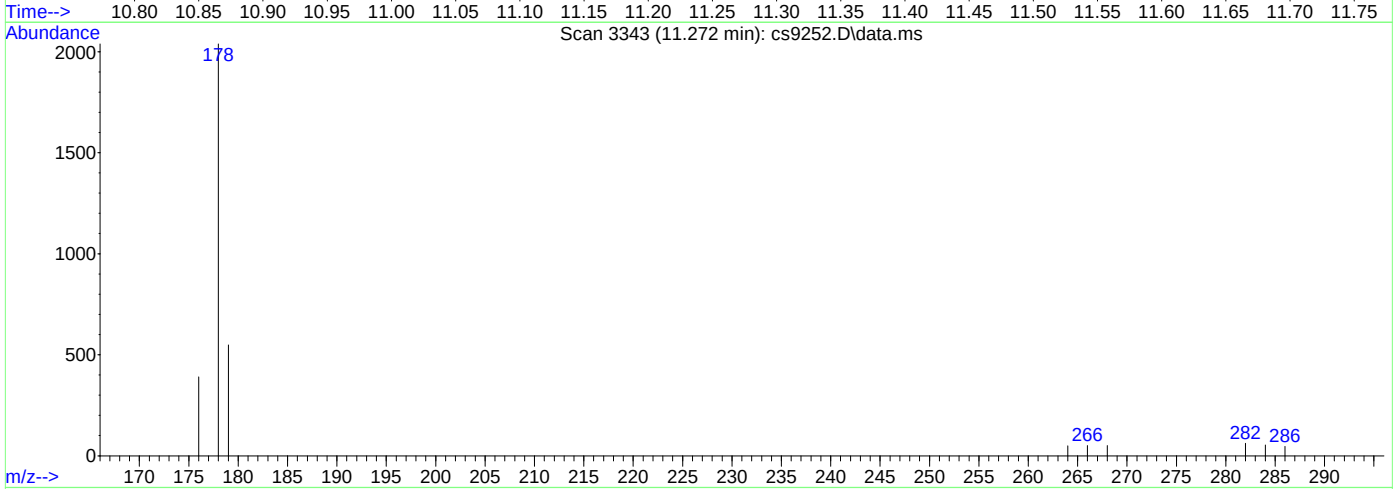
Ion	Exp%	Act%
152.00	100	100
151.00	19.10	31.35
153.00	12.90	76.25#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\nerirose\ecs475\
Data File : cs9252.D
Acq On : 24 Oct 2025 04:23 pm
Operator : alejanda
Sample : je20825-1 Inst : GCMS_CS
Misc : op68290a,ecs475,250,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 26 17:22:02 2025
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Sun Oct 26 17:18:53 2025
Response via : Initial Calibration





TIC: cs9252.D\data.ms

(22) Anthracene (t)

11.272min (-0.001) 10.05ppb m

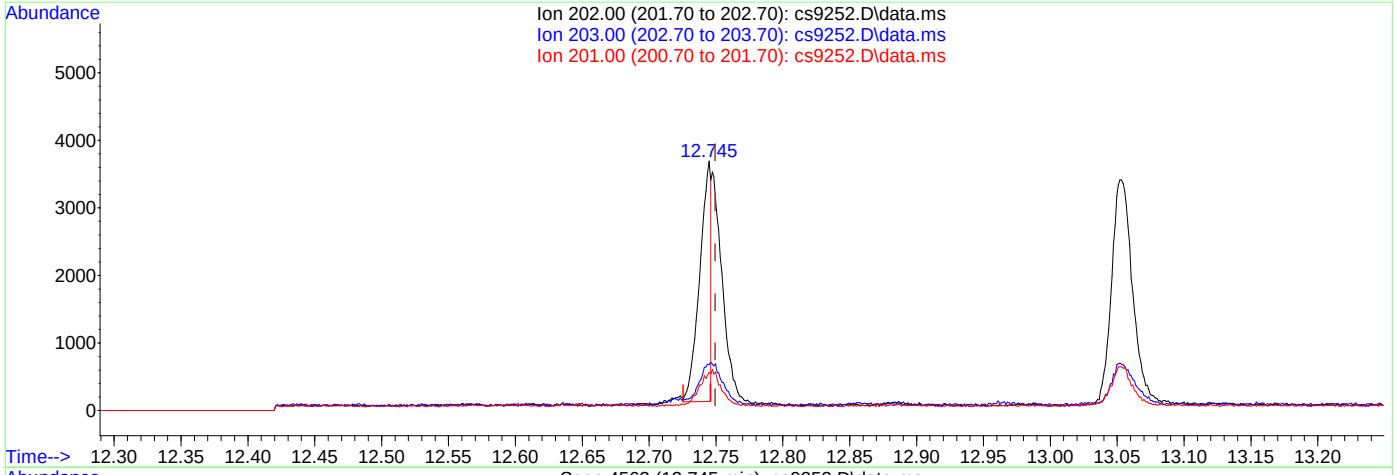
response 1724

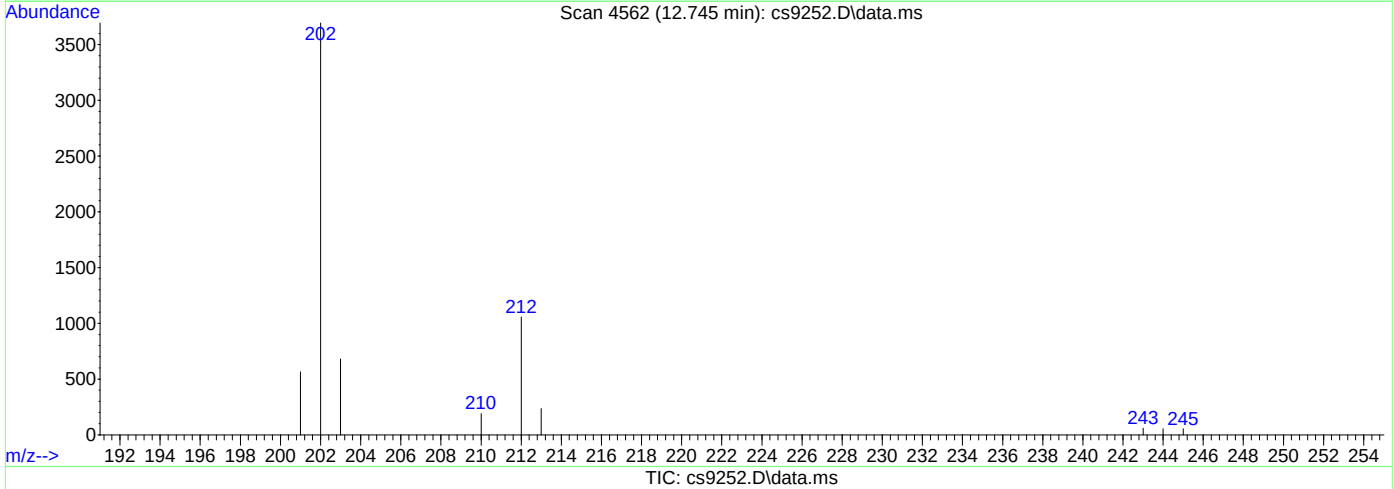
Ion	Exp%	Act%
178.00	100	100
179.00	15.10	26.92
176.00	19.10	19.13
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\nerirose\ecs475\
Data File : cs9252.D
Acq On : 24 Oct 2025 04:23 pm
Operator : alejanda
Sample : je20825-1 Inst : GCMS_CS
Misc : op68290a,ecs475,250,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 26 17:22:02 2025
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Sun Oct 26 17:18:53 2025
Response via : Initial Calibration





TIC: cs9252.D\data.ms

(23) Fluoranthene (t)

12.745min (-0.004) 10.50ppb

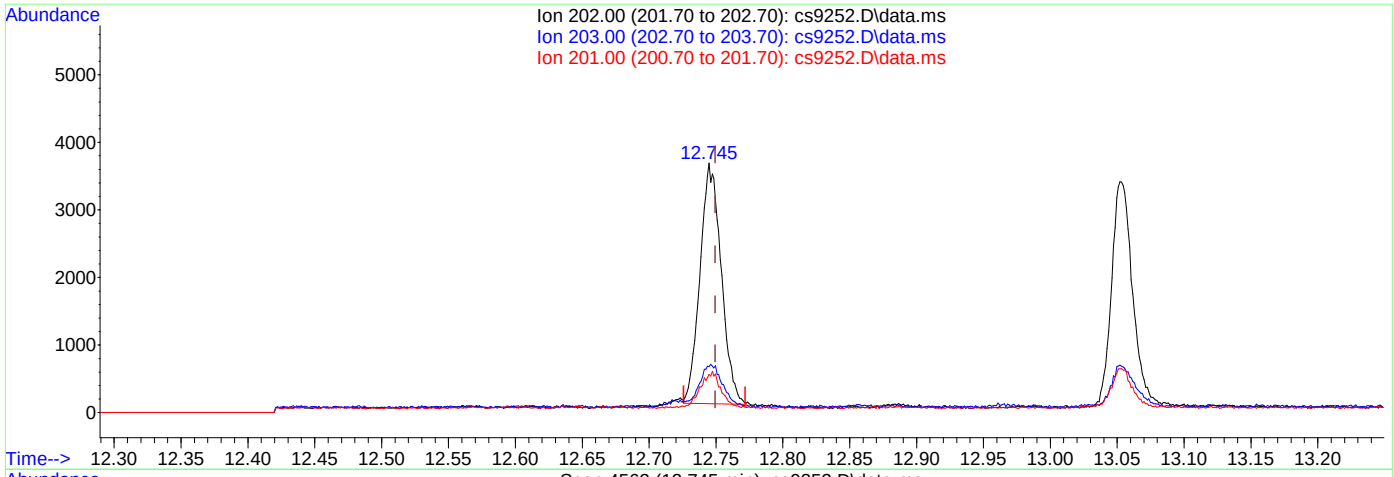
response 2051

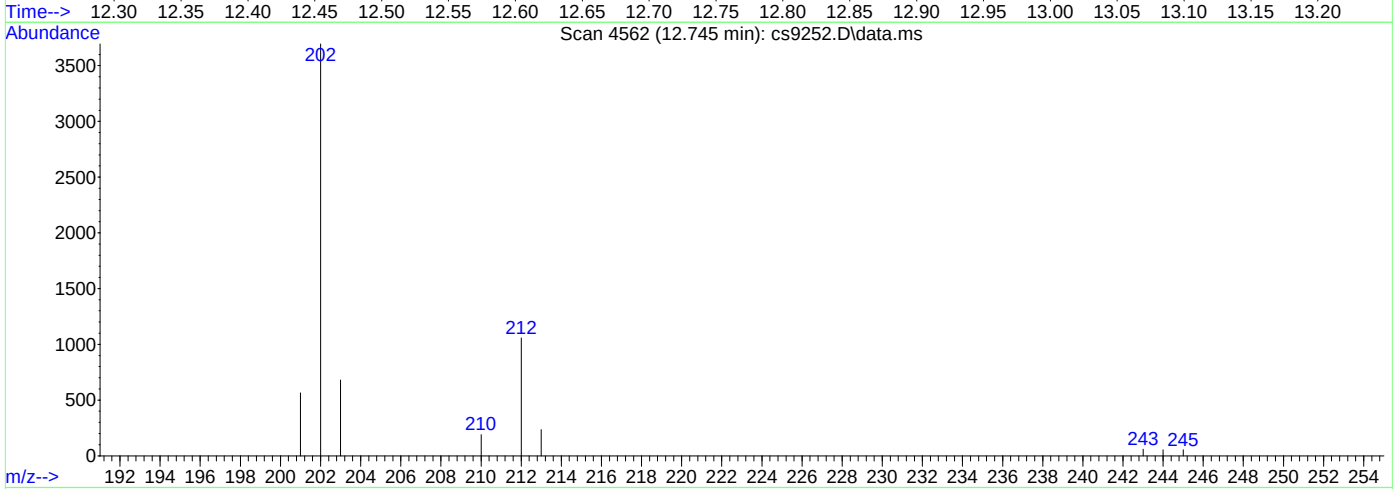
Ion	Exp%	Act%
202.00	100	100
203.00	16.90	12.37
201.00	14.00	13.08
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\nerirose\ecs475\
Data File : cs9252.D
Acq On : 24 Oct 2025 04:23 pm
Operator : alejanda
Sample : je20825-1 Inst : GCMS_CS
Misc : op68290a,ecs475,250,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 26 17:22:02 2025
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Sun Oct 26 17:18:53 2025
Response via : Initial Calibration





TIC: cs9252.D\data.ms

(23) Fluoranthene (t)

12.745min (-0.004) 20.08ppb m

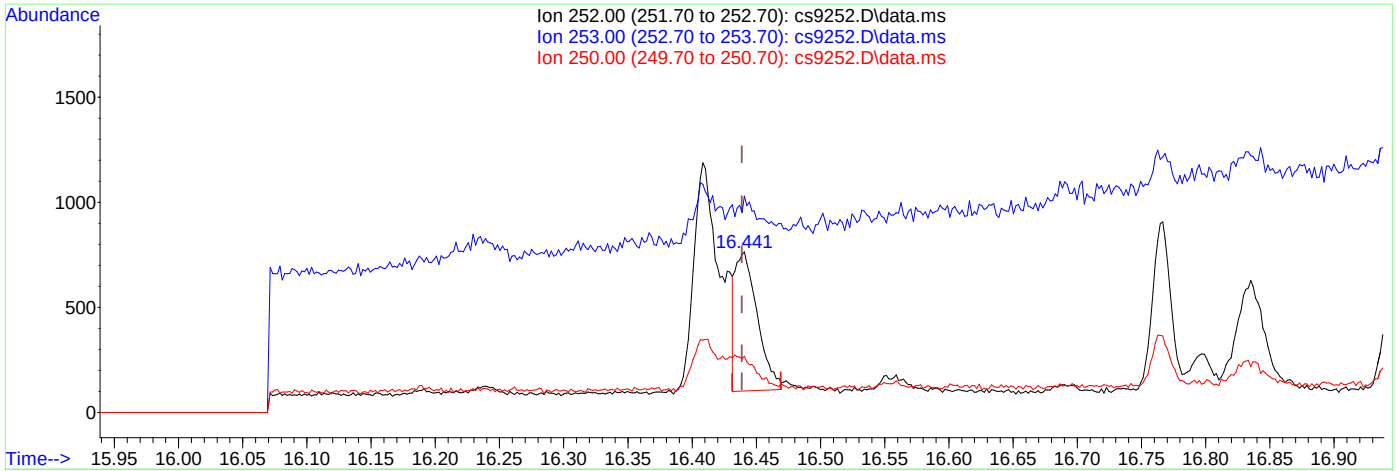
response 3921

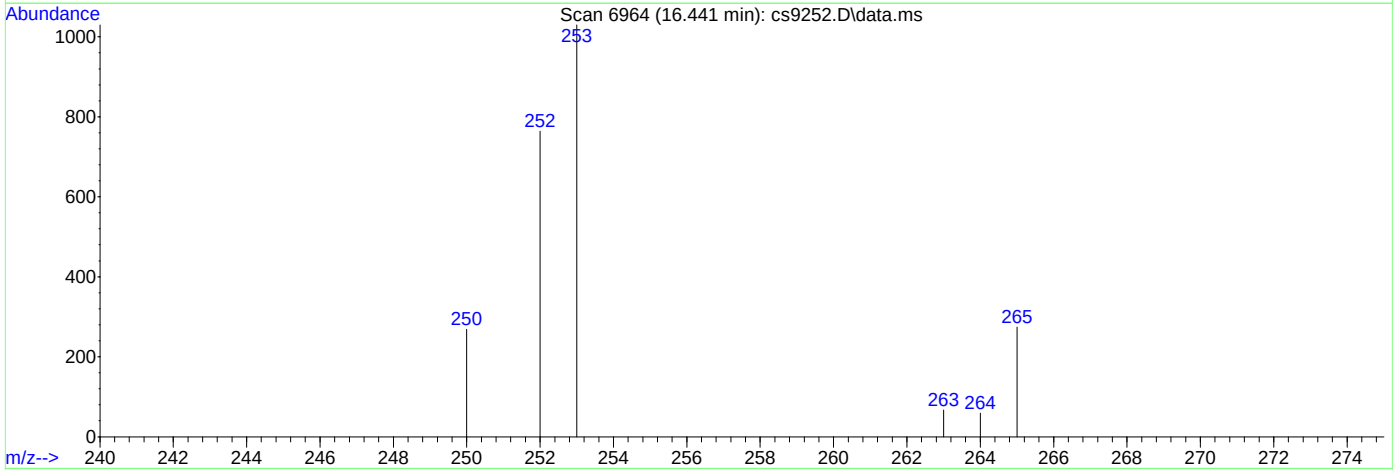
Ion	Exp%	Act%
202.00	100	100
203.00	16.90	18.43
201.00	14.00	15.29
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\nerirose\ecs475\
Data File : cs9252.D
Acq On : 24 Oct 2025 04:23 pm
Operator : alejanda
Sample : je20825-1 Inst : GCMS_CS
Misc : op68290a,ecs475,250,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 26 17:22:02 2025
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Sun Oct 26 17:18:53 2025
Response via : Initial Calibration





TIC: cs9252.D\data.ms

(30) Benzo[k]fluoranthene (t)

16.441min (+0.002) 7.97ppb

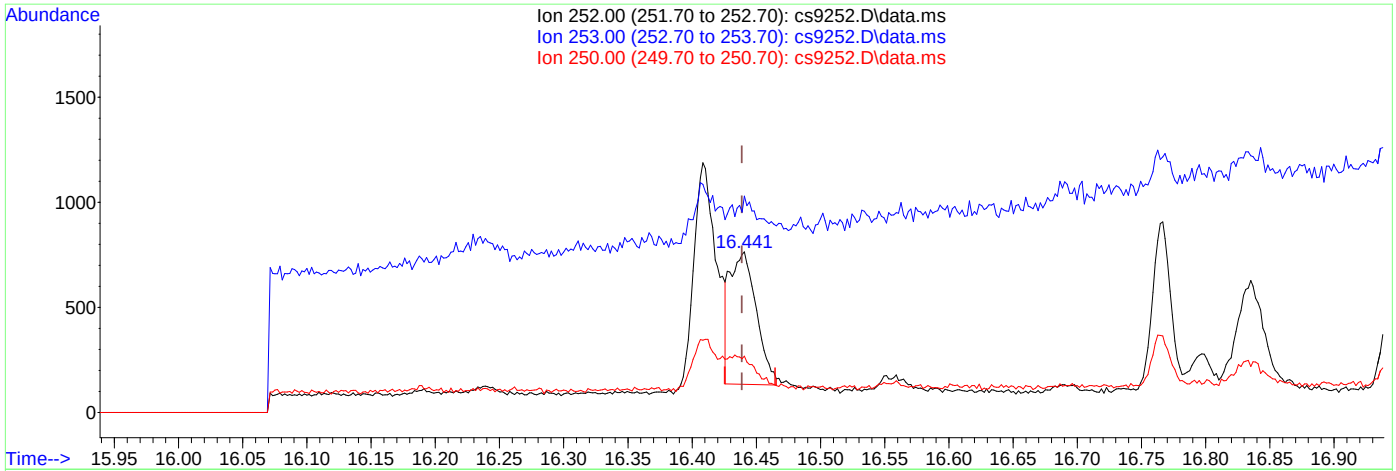
response 793

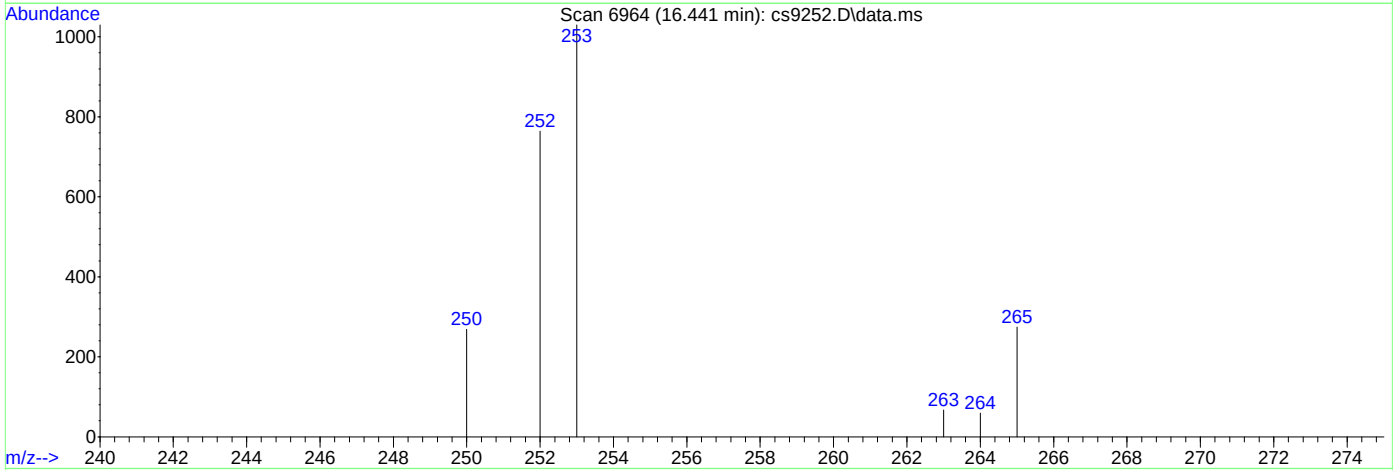
Ion	Exp%	Act%
252.00	100	100
253.00	21.50	23.44
250.00	22.60	19.24
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\nerirose\ecs475\
Data File : cs9252.D
Acq On : 24 Oct 2025 04:23 pm
Operator : alejanda
Sample : je20825-1 Inst : GCMS_CS
Misc : op68290a,ecs475,250,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 26 17:22:02 2025
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Sun Oct 26 17:18:53 2025
Response via : Initial Calibration





TIC: cs9252.D\data.ms

(30) Benzo[k]fluoranthene (t)

16.441min (+0.002) 9.08ppb m

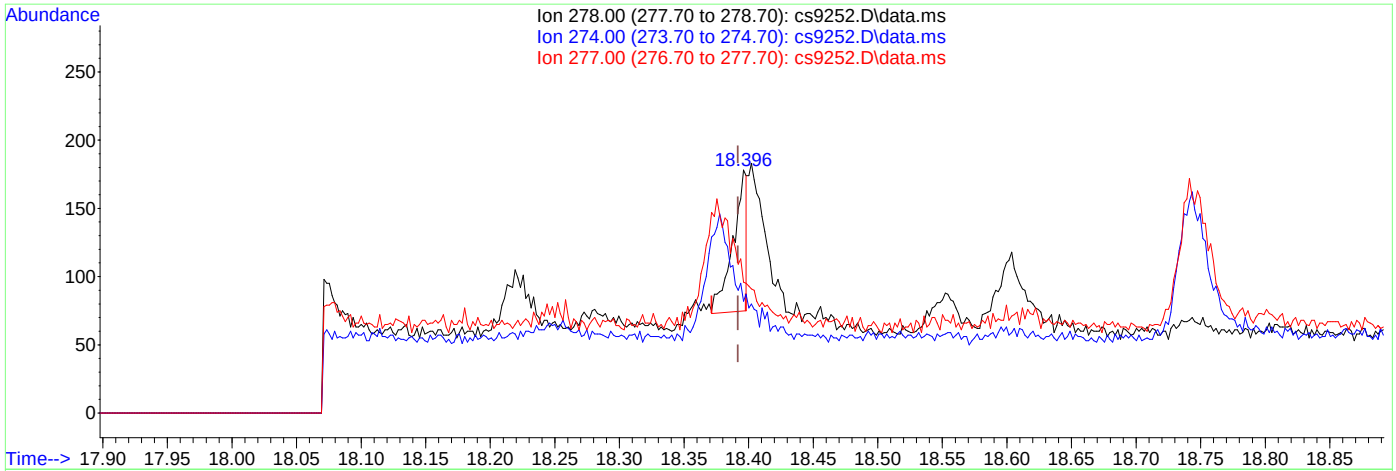
response 904

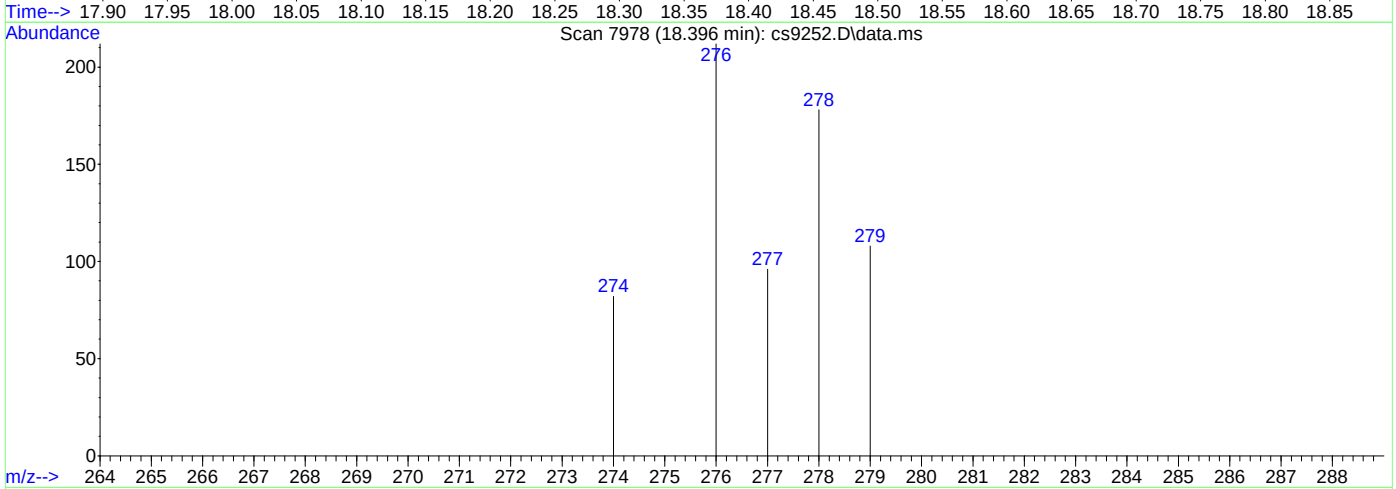
Ion	Exp%	Act%
252.00	100	100
253.00	21.50	134.82#
250.00	22.60	35.21
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\nerirose\ecs475\
Data File : cs9252.D
Acq On : 24 Oct 2025 04:23 pm
Operator : alejanda
Sample : je20825-1 Inst : GCMS_CS
Misc : op68290a,ecs475,250,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 26 17:22:02 2025
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Sun Oct 26 17:18:53 2025
Response via : Initial Calibration





TIC: cs9252.D\data.ms

(33) Dibenz[a,h]anthracene (t)

18.396min (+0.004) 1.05ppb

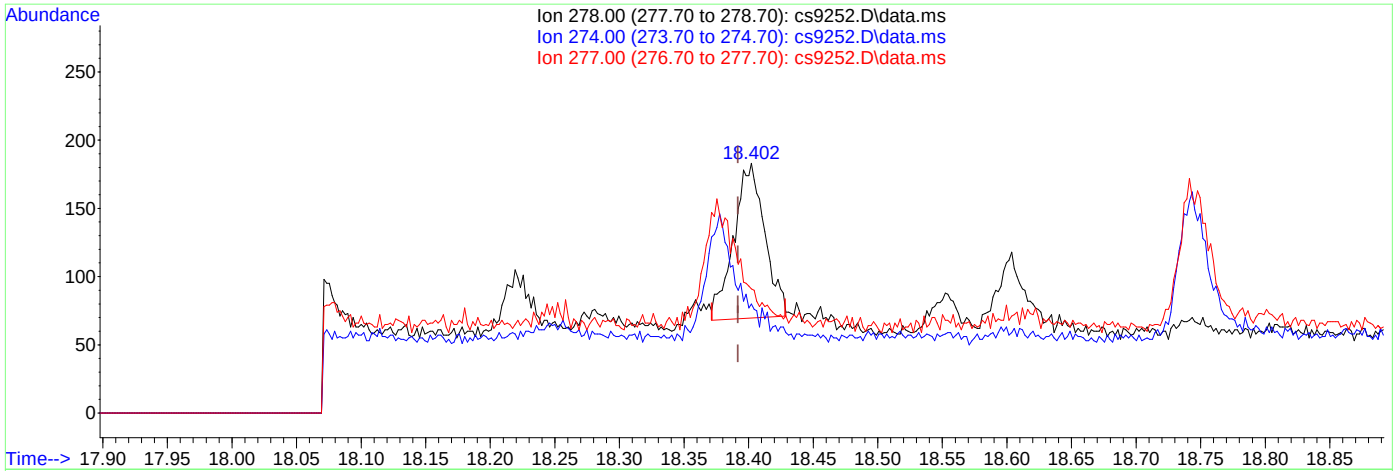
response 77

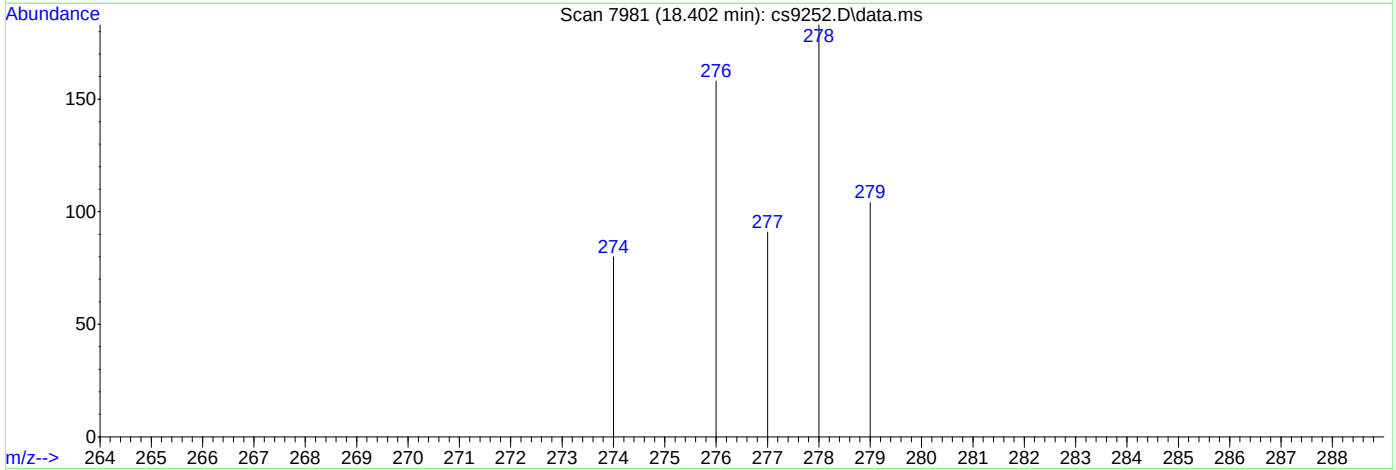
Ion	Exp%	Act%
278.00	100	100
274.00	10.30	0.00
277.00	10.40	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\nerirose\ecs475\
Data File : cs9252.D
Acq On : 24 Oct 2025 04:23 pm
Operator : alejanda
Sample : je20825-1 Inst : GCMS_CS
Misc : op68290a,ecs475,250,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 26 17:22:02 2025
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Sun Oct 26 17:18:53 2025
Response via : Initial Calibration





TIC: cs9252.D\data.ms

(33) Dibenz[a,h]anthracene (t)

18.402min (+0.010) 2.58ppb m

response 189

Ion	Exp%	Act%
278.00	100	100
274.00	10.30	43.72#
277.00	10.40	49.73#
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Ying Li
10/29/25 13:12

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\recheleb\ecs468\
Data File : cs9068.D
Acq On : 16 Oct 2025 05:53 pm
Operator : alejanda
Sample : je20825-3 Inst : GCMS_CS
Misc : op68138a,ecs468,250,,,1,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 17 02:03:05 2025
Quant Method : X:\Dayton SVOA GCMS\recheleb\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Fri Oct 17 01:42:09 2025
Response via : Initial Calibration

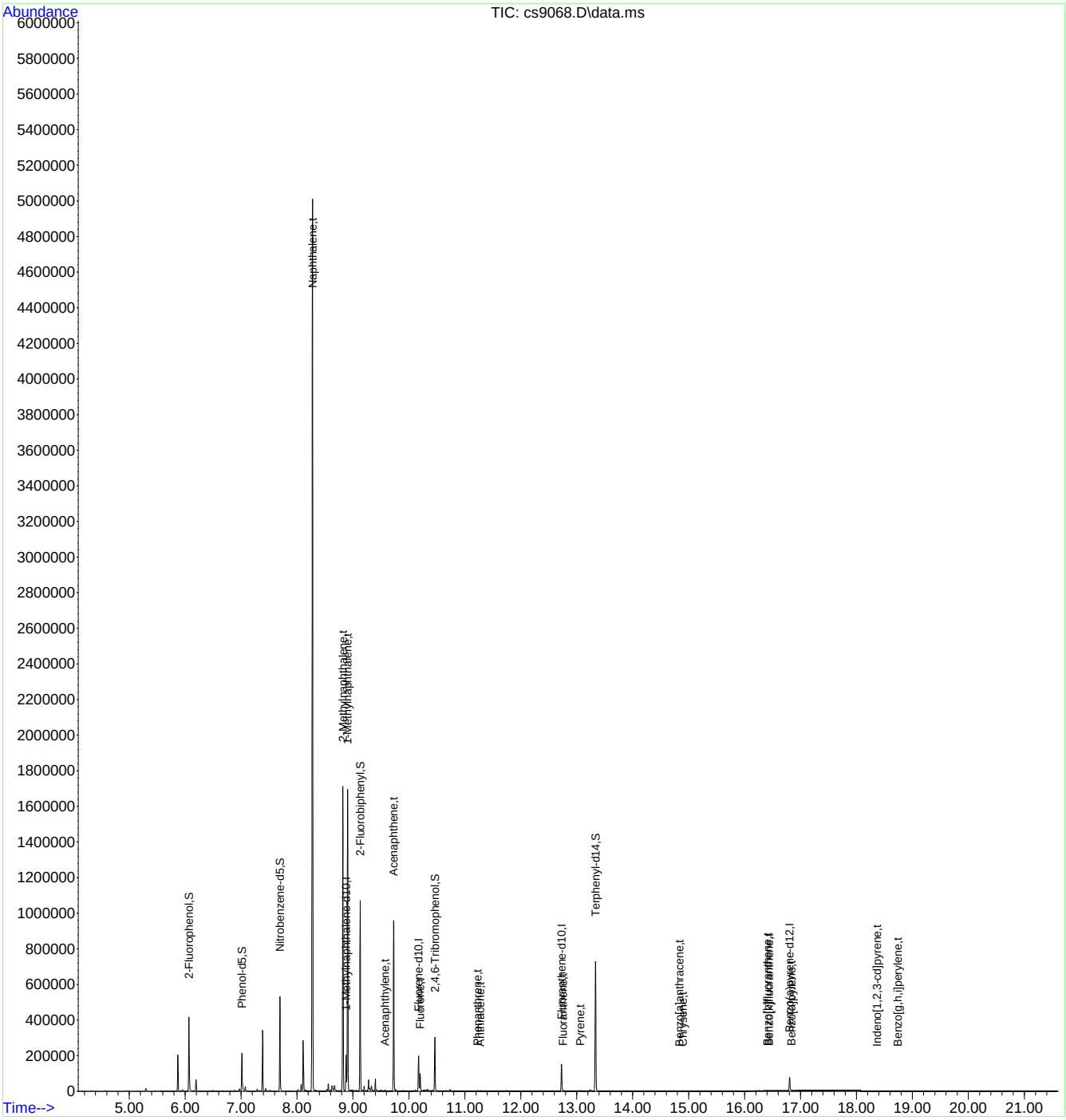
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	8.877	150	62618	800.00	ppb	0.00
11) Fluorene-d10	10.172	176	76265	800.00	ppb	0.00
18) Fluoranthene-d10	12.727	212	111361	800.00	ppb	0.00
28) Benzo(a)pyrene-d12	16.804	264	61220	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	6.070	112	195242	3254.10	ppb	0.00
Spiked Amount 10000.000			Recovery =	32.54%		
4) Phenol-d5	7.015	99	172842	2439.70	ppb	0.00
Spiked Amount 10000.000			Recovery =	24.40%		
6) Nitrobenzene-d5	7.694	82	266776	4563.45	ppb	0.00
Spiked Amount 10000.000			Recovery =	45.63%		
12) 2-Fluorobiphenyl	9.129	172	491771	3978.12	ppb	0.00
Spiked Amount 10000.000			Recovery =	39.78%		
17) 2,4,6-Tribromophenol	10.463	330	103229	8139.31	ppb	0.00
Spiked Amount 10000.000			Recovery =	81.39%		
25) Terphenyl-d14	13.336	244	508700	6367.98	ppb	0.00
Spiked Amount 10000.000			Recovery =	63.68%		
Target Compounds						Qvalue
7) Naphthalene	8.277	128	3718444	16543.7732	ppb	98
9) 2-Methylnaphthalene	8.820	141	517054	4142.2958	ppb	98
10) 1-Methylnaphthalene	8.904	141	520143	4379.6842	ppb	100
13) Acenaphthylene	9.570	152	3015m	16.1745	ppb	
14) Acenaphthene	9.727	153	295537	2278.5649	ppb	99
15) Fluorene	10.200	166	36089	243.7343	ppb	96
21) Phenanthrene	11.223	178	2310	11.6955	ppb	98
22) Anthracene	11.274	178	1709m	9.3837	ppb	
23) Fluoranthene	12.751	202	2062	9.9455	ppb	96
24) Pyrene	13.059	202	1814	8.6117	ppb	97
26) Benzo[a]anthracene	14.835	228	493	3.2414	ppb	96
27) Chrysene	14.894	228	836	5.5374	ppb	97
29) Benzo[b]fluoranthene	16.410	252	711	5.3144	ppb	88
30) Benzo[k]fluoranthene	16.437	252	567	4.5448	ppb	73
31) Benzo[a]pyrene	16.837	252	462	3.7241	ppb	74
32) Indeno[1,2,3-cd]pyrene	18.367	276	374m	3.8222	ppb	
34) Benzo[g,h,i]perylene	18.739	276	422	4.3261	ppb	97

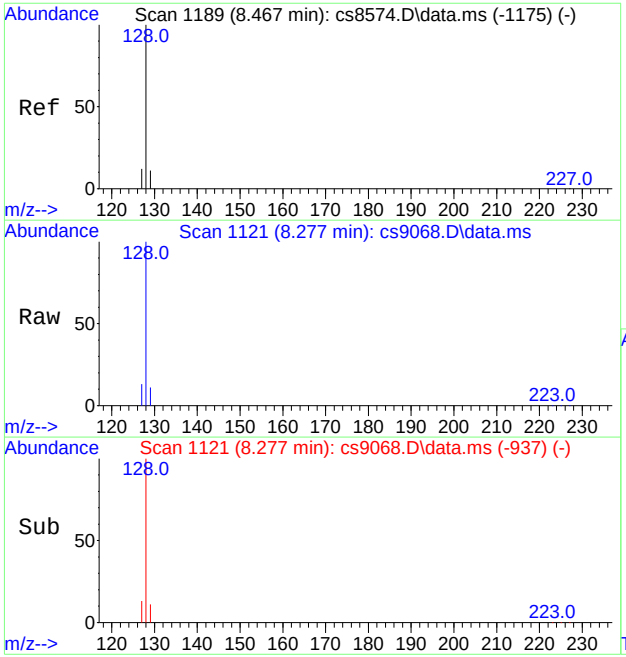
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\recheleb\ecs468\
Data File : cs9068.D
Acq On : 16 Oct 2025 05:53 pm
Operator : alejanda
Sample : je20825-3 Inst : GCMS_CS
Misc : op68138a,ecs468,250,,,1,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 17 02:03:05 2025
Quant Method : X:\Dayton SVOA GCMS\recheleb\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Fri Oct 17 01:42:09 2025
Response via : Initial Calibration

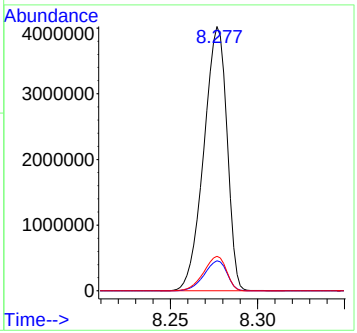


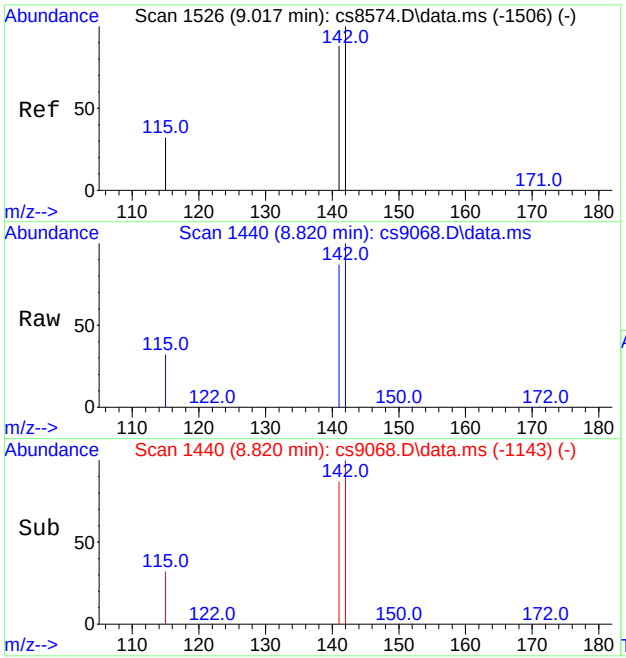


#7
Naphthalene
Concen: 16543.7732 ppb
RT: 8.277 min Scan# 1121
Delta R.T. 0.004 min
Lab File: cs9068.D
Acq: 16 Oct 2025 05:53 pm

Tgt Ion:128 Resp: 3718444

Ion	Ratio	Lower	Upper
128	100		
129	11.3	0.0	40.8
127	13.1	0.0	42.4

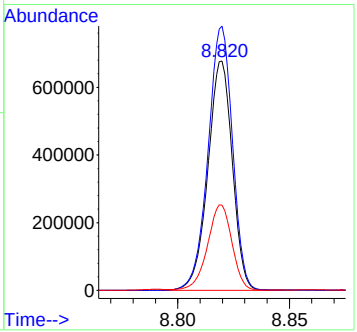


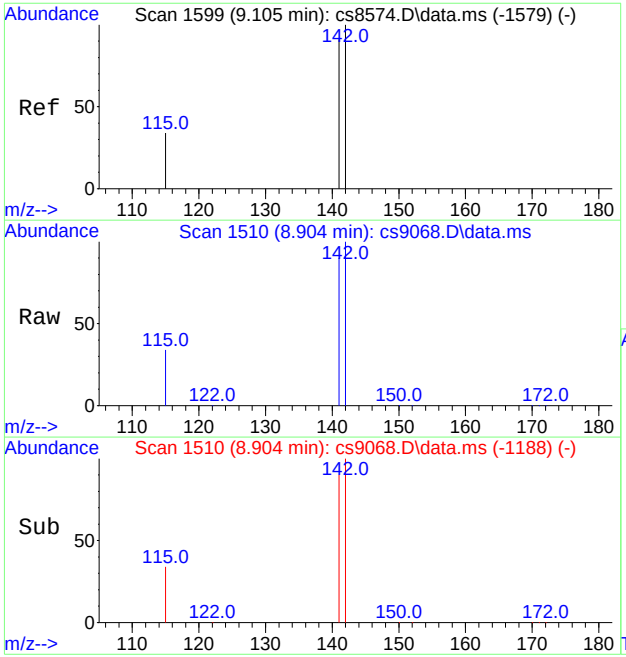


#9
2-Methylnaphthalene
Concen: 4142.2958 ppb
RT: 8.820 min Scan# 1440
Delta R.T. 0.000 min
Lab File: cs9068.D
Acq: 16 Oct 2025 05:53 pm

Tgt Ion:141 Resp: 517054

Ion	Ratio	Lower	Upper
141	100		
142	115.3	83.1	143.1
115	36.9	5.8	65.8

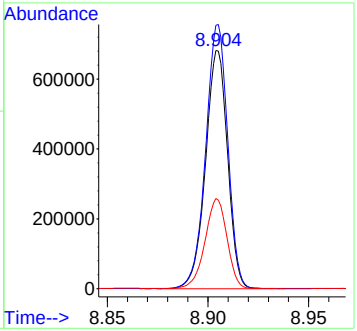


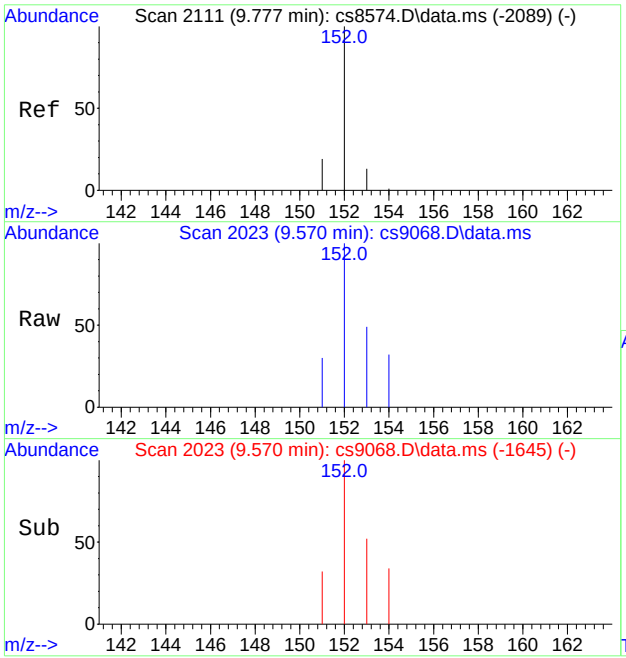


#10
1-Methylnaphthalene
Concen: 4379.6842 ppb
RT: 8.904 min Scan# 1510
Delta R.T. -0.001 min
Lab File: cs9068.D
Acq: 16 Oct 2025 05:53 pm

Tgt Ion:141 Resp: 520143

Ion	Ratio	Lower	Upper
141	100		
142	110.6	80.8	140.8
115	37.8	7.2	67.2

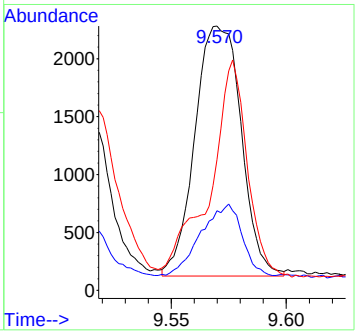


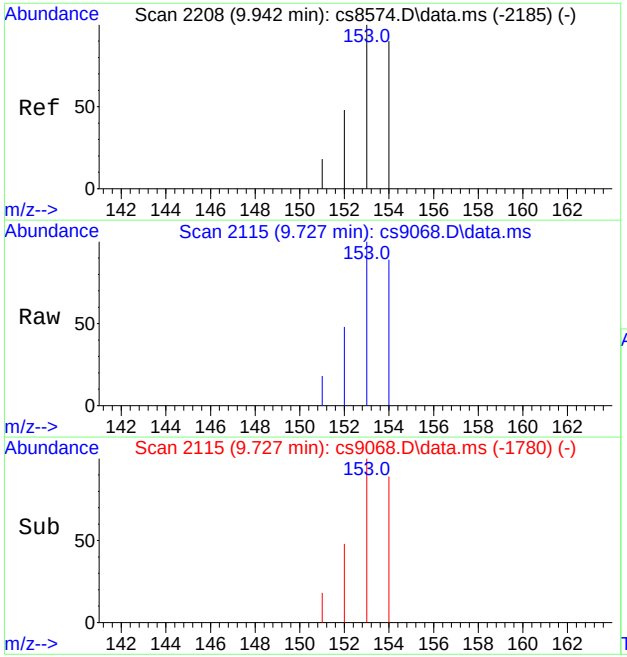


#13
Acenaphthylene
Concen: 16.1745 ppb m
RT: 9.570 min Scan# 2023
Delta R.T. 0.004 min
Lab File: cs9068.D
Acq: 16 Oct 2025 05:53 pm

Tgt Ion:152 Resp: 3015

Ion	Ratio	Lower	Upper
152	100		
151	30.1	0.0	49.3
153	49.4	0.0	42.7#

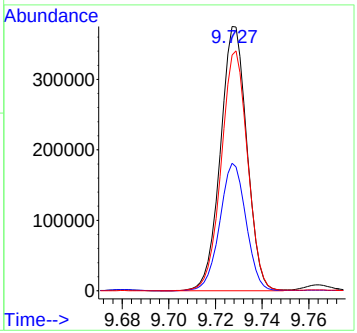


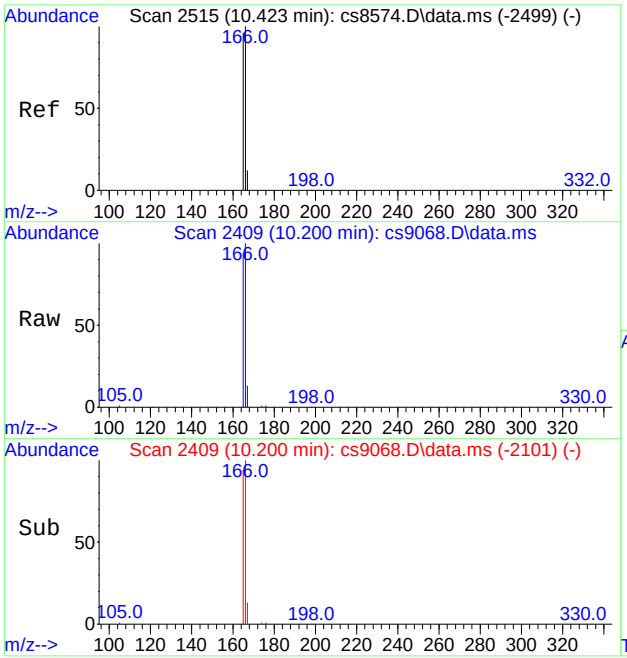


#14
Acenaphthene
Concen: 2278.5649 ppb
RT: 9.727 min Scan# 2115
Delta R.T. -0.001 min
Lab File: cs9068.D
Acq: 16 Oct 2025 05:53 pm

Tgt Ion:153 Resp: 295537

Ion	Ratio	Lower	Upper
153	100		
152	48.2	17.7	77.7
154	89.1	59.5	119.5

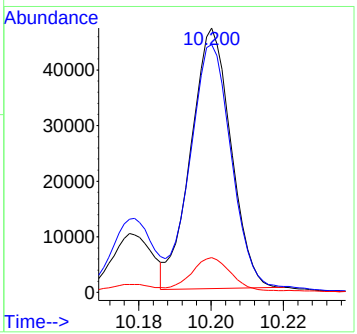


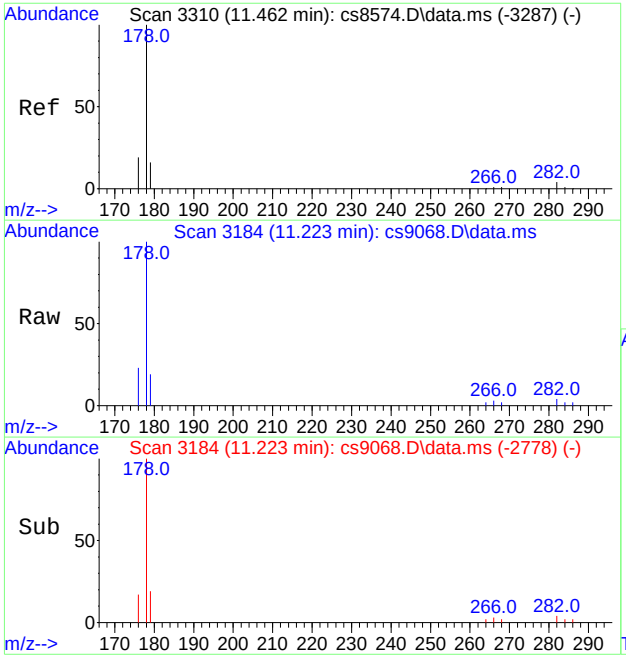


#15
Fluorene
Concen: 243.7343 ppb
RT: 10.200 min Scan# 2409
Delta R.T. -0.003 min
Lab File: cs9068.D
Acq: 16 Oct 2025 05:53 pm

Tgt Ion:166 Resp: 36089

Ion	Ratio	Lower	Upper
166	100		
165	91.9	65.7	125.7
167	12.7	0.0	42.4

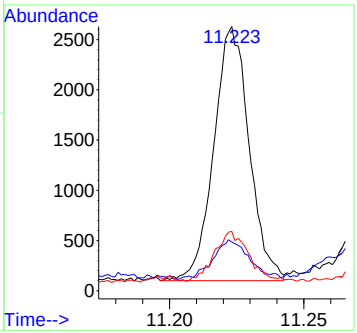


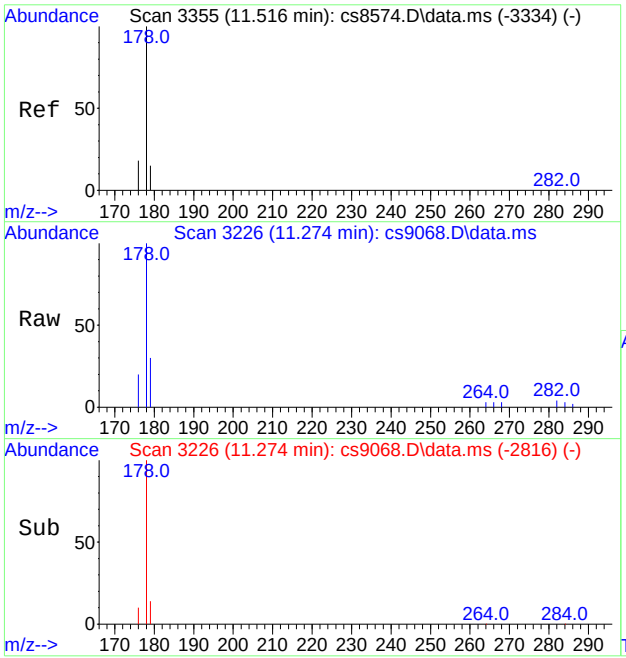


#21
Phenanthrene
Concen: 11.6955 ppb
RT: 11.223 min Scan# 3184
Delta R.T. -0.002 min
Lab File: cs9068.D
Acq: 16 Oct 2025 05:53 pm

Tgt Ion:178 Resp: 2310

Ion	Ratio	Lower	Upper
178	100		
179	13.8	0.0	45.7
176	18.9	0.0	49.2

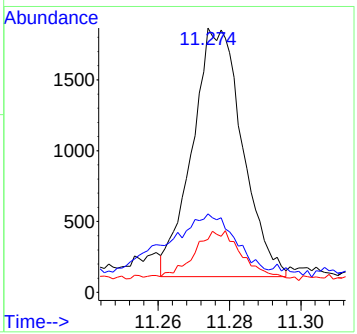


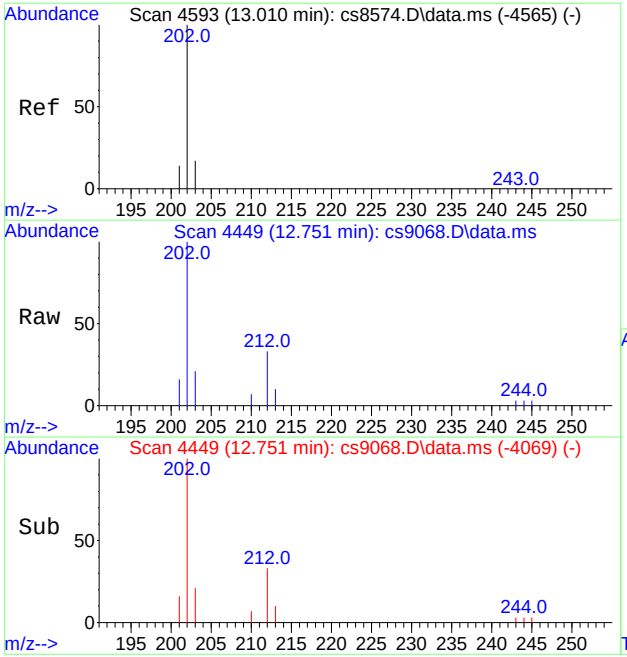


#22
Anthracene
Concen: 9.3837 ppb m
RT: 11.274 min Scan# 3226
Delta R.T. -0.003 min
Lab File: cs9068.D
Acq: 16 Oct 2025 05:53 pm

Tgt Ion:178 Resp: 1709

Ion	Ratio	Lower	Upper
178	100		
179	29.7	0.0	45.2
176	20.0	0.0	48.4

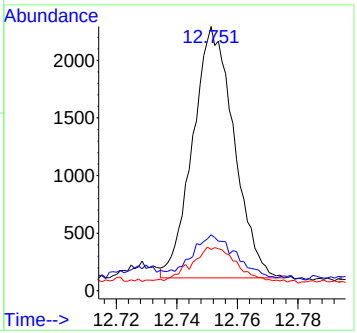


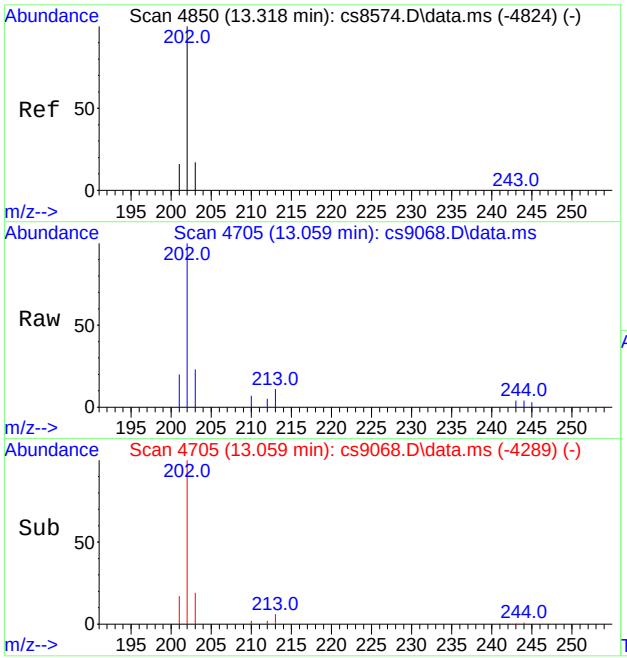


#23
Fluoranthene
Concen: 9.9455 ppb
RT: 12.751 min Scan# 4449
Delta R.T. -0.003 min
Lab File: cs9068.D
Acq: 16 Oct 2025 05:53 pm

Tgt Ion:202 Resp: 2062

Ion	Ratio	Lower	Upper
202	100		
203	15.6	0.0	47.2
201	12.1	0.0	44.0

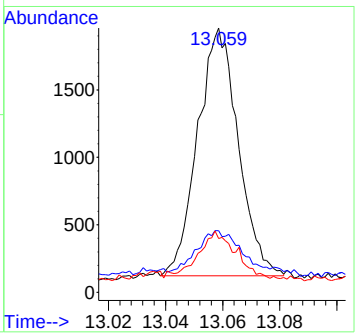


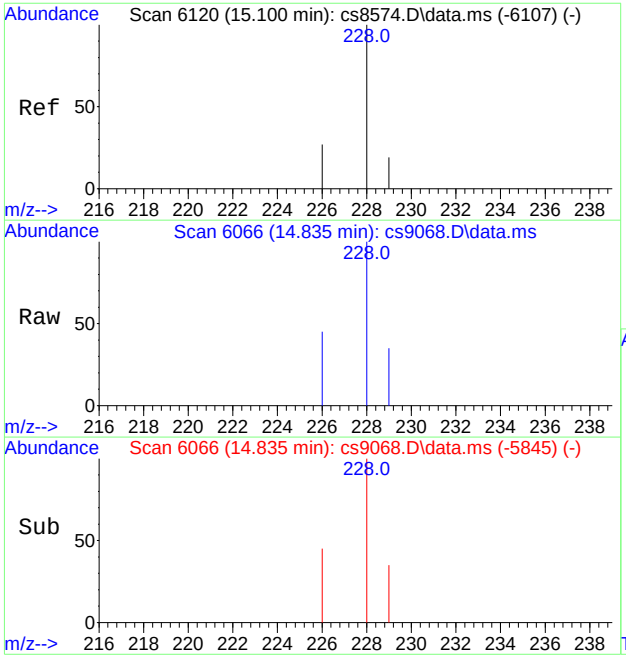


#24
Pyrene
Concen: 8.6117 ppb
RT: 13.059 min Scan# 4705
Delta R.T. -0.001 min
Lab File: cs9068.D
Acq: 16 Oct 2025 05:53 pm

Tgt Ion:202 Resp: 1814

Ion	Ratio	Lower	Upper
202	100		
203	16.1	0.0	47.1
201	14.5	0.0	46.4

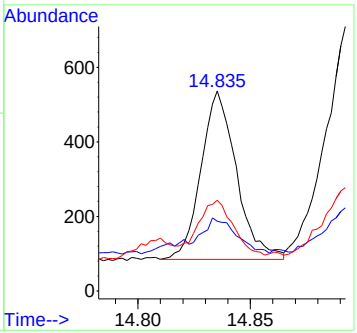


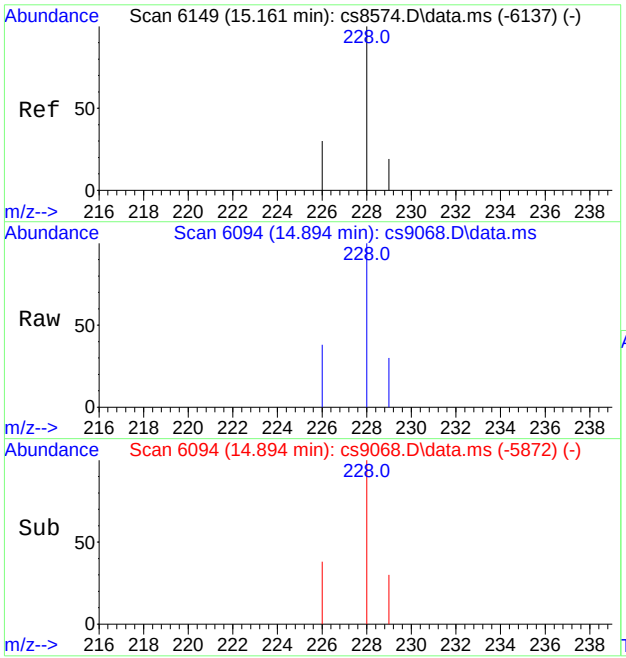


#26
Benzo[a]anthracene
Concen: 3.2414 ppb
RT: 14.835 min Scan# 6066
Delta R.T. -0.002 min
Lab File: cs9068.D
Acq: 16 Oct 2025 05:53 pm

Tgt Ion:228 Resp: 493

Ion	Ratio	Lower	Upper
228	100		
229	16.5	0.0	49.1
226	28.0	0.0	57.0

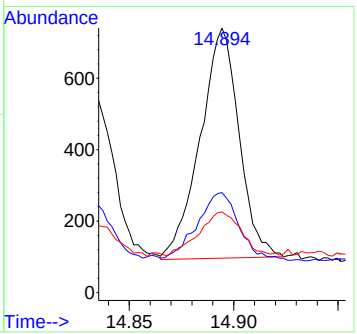


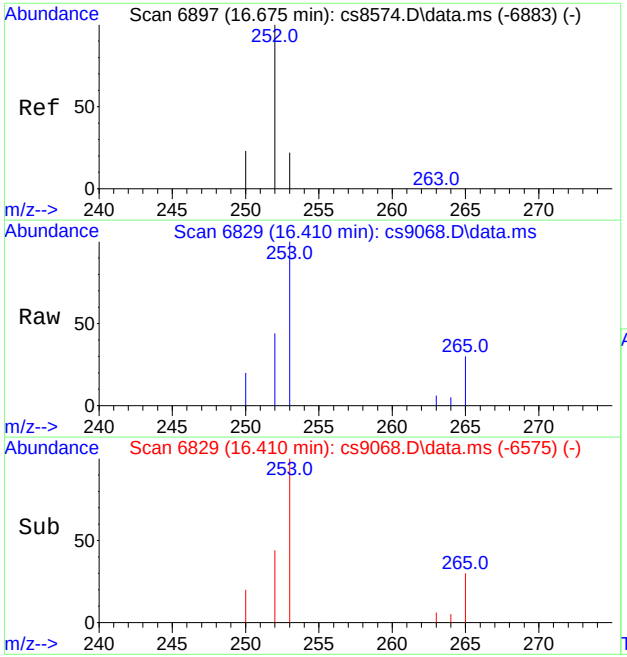


#27
Chrysene
Concen: 5.5374 ppb
RT: 14.894 min Scan# 6094
Delta R.T. -0.002 min
Lab File: cs9068.D
Acq: 16 Oct 2025 05:53 pm

Tgt Ion:228 Resp: 836

Ion	Ratio	Lower	Upper
228	100		
226	28.8	0.2	60.2
229	18.4	0.0	49.5

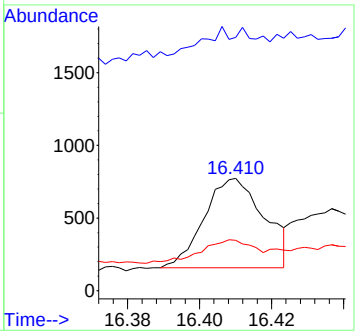


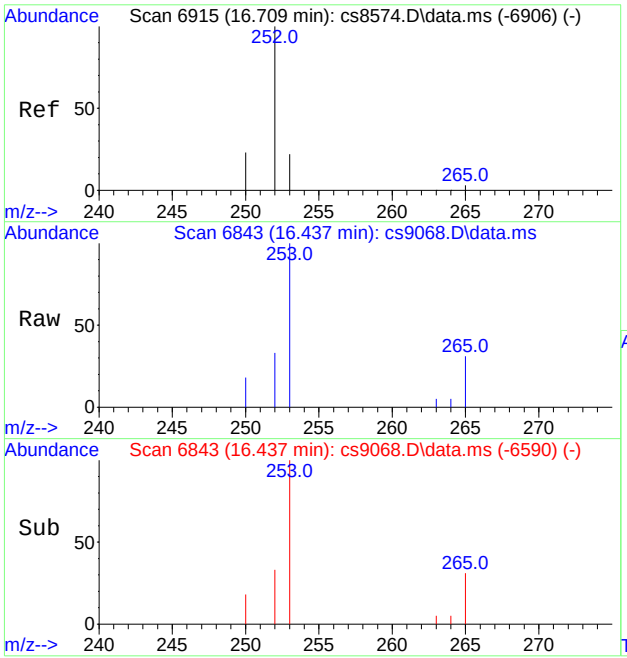


#29
Benzo[b]fluoranthene
Concen: 5.3144 ppb
RT: 16.410 min Scan# 6829
Delta R.T. 0.000 min
Lab File: cs9068.D
Acq: 16 Oct 2025 05:53 pm

Tgt Ion:252 Resp: 711

Ion	Ratio	Lower	Upper
252	100		
253	10.9	0.0	51.5
250	22.6	0.0	53.4

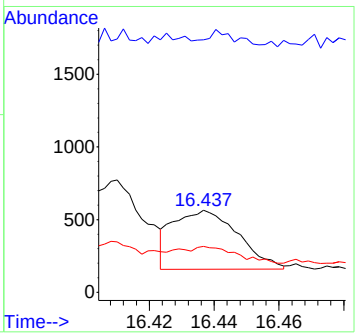


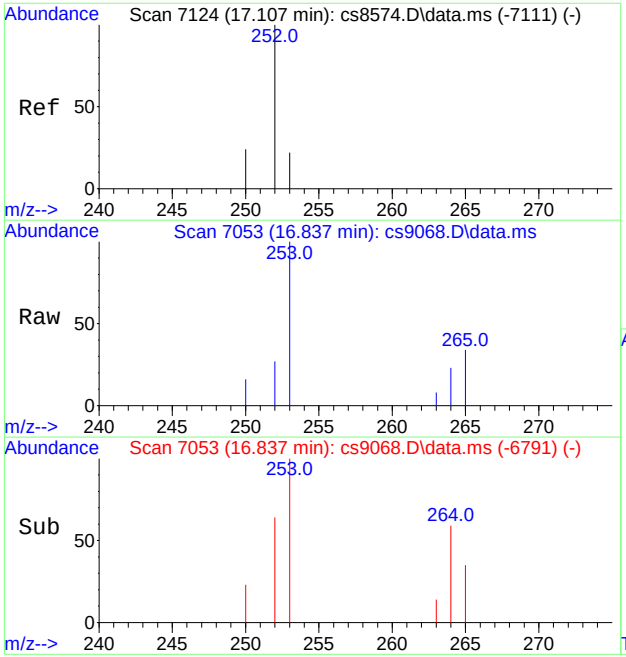


#30
Benzo[k]fluoranthene
Concen: 4.5448 ppb
RT: 16.437 min Scan# 6843
Delta R.T. -0.005 min
Lab File: cs9068.D
Acq: 16 Oct 2025 05:53 pm

Tgt Ion:252 Resp: 567

Ion	Ratio	Lower	Upper
252	100		
253	1.0	0.0	51.3
250	29.5	0.0	53.2

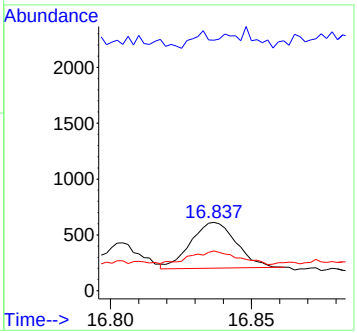


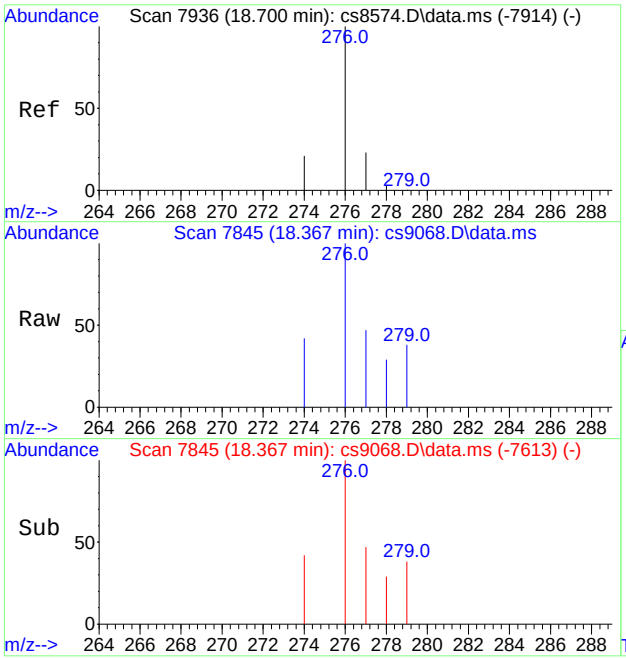


#31
Benzo[a]pyrene
Concen: 3.7241 ppb
RT: 16.837 min Scan# 7053
Delta R.T. -0.002 min
Lab File: cs9068.D
Acq: 16 Oct 2025 05:53 pm

Tgt Ion:252 Resp: 462

Ion	Ratio	Lower	Upper
252	100		
253	0.0	0.0	51.3
250	28.2	0.0	53.7

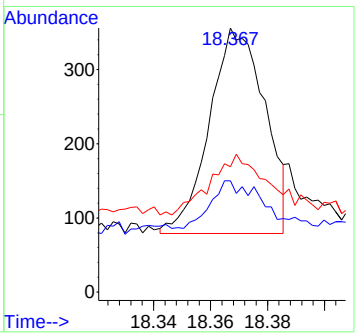


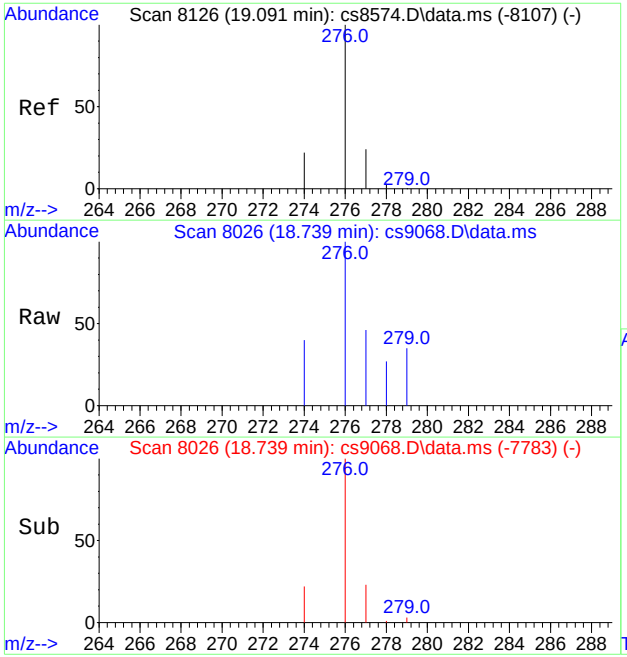


#32
Indeno[1,2,3-cd]pyrene
Concen: 3.8222 ppb m
RT: 18.367 min Scan# 7845
Delta R.T. -0.004 min
Lab File: cs9068.D
Acq: 16 Oct 2025 05:53 pm

Tgt Ion:276 Resp: 374

Ion	Ratio	Lower	Upper
276	100		
274	42.1	0.0	51.6
277	47.5	0.0	53.8

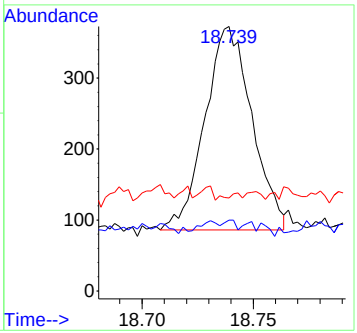




#34
Benzo[g,h,i]perylene
Concen: 4.3261 ppb
RT: 18.739 min Scan# 8026
Delta R.T. 0.000 min
Lab File: cs9068.D
Acq: 16 Oct 2025 05:53 pm

Tgt Ion:276 Resp: 422

Ion	Ratio	Lower	Upper
276	100		
278	4.2	0.0	33.3
279	0.0	0.0	31.1



Manual Integration Approval Summary

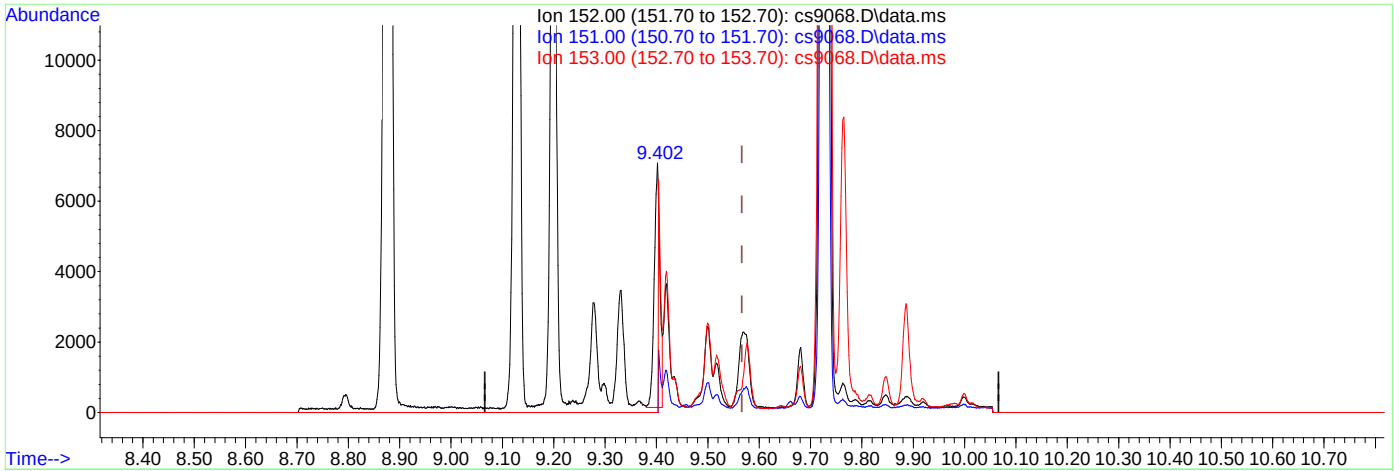
Sample Number: JE20825-3
Lab FileID: CS9068.D
Injection Time: 10/16/25 17:53
Method: SW846 8270E BY SIM
Analyst approved: 10/16/25 22:08 Rechele Bongapat
Supervisor approved: 10/29/25 13:12 Ying Li

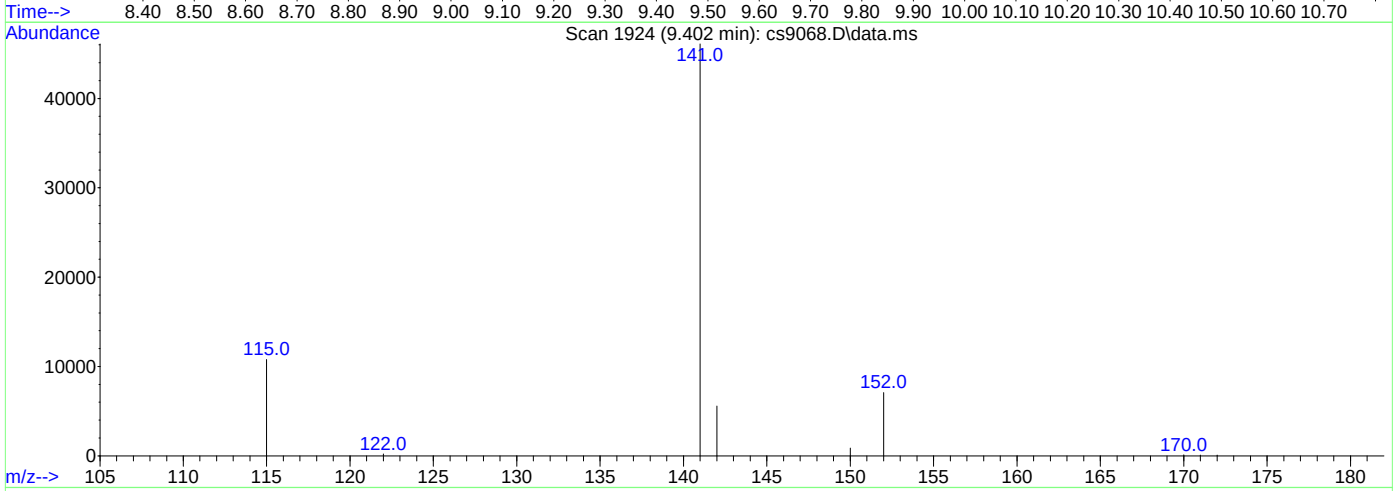
Parameter	CAS	Sig#	R.T. (min.)	Reason
Acenaphthylene	208-96-8		9.57	Poor instrument integration
Anthracene	120-12-7		11.27	Poor instrument integration
Indeno(1,2,3-cd)pyrene	193-39-5		18.37	Poor instrument integration

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\recheleb\ecs468\
Data File : cs9068.D
Acq On : 16 Oct 2025 05:53 pm
Operator : alejanda
Sample : je20825-3 Inst : GCMS_CS
Misc : op68138a,ecs468,250,,,1,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 17 01:50:11 2025
Quant Method : X:\Dayton SVOA GCMS\recheleb\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Fri Oct 17 01:42:09 2025
Response via : Initial Calibration





TIC: cs9068.D\data.ms

(13) Acenaphthylene (t)

9.402min (-0.165) 27.61ppb

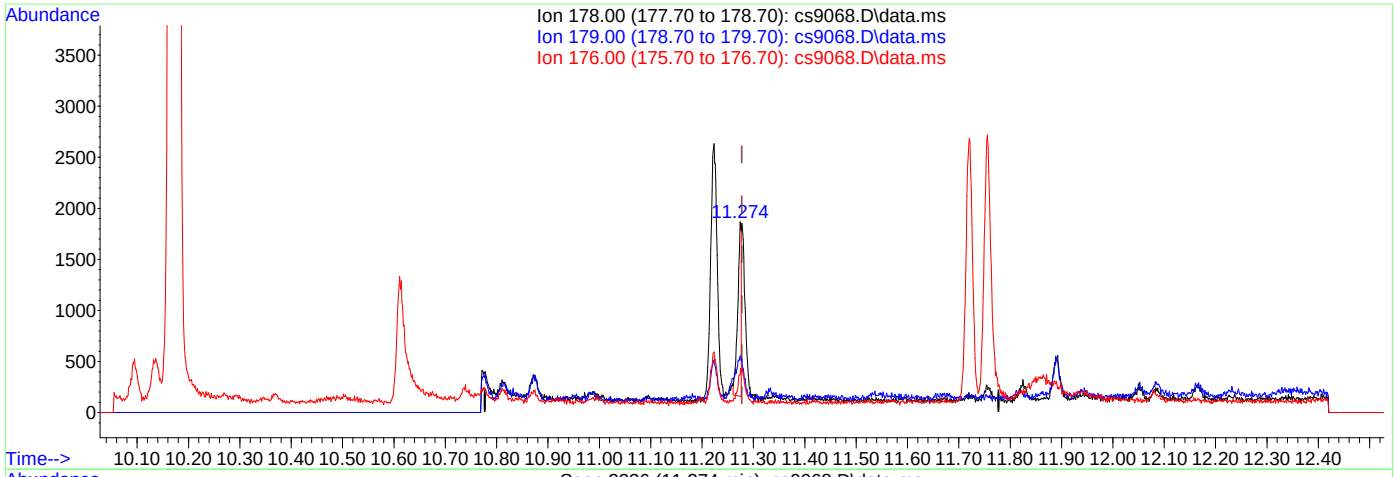
response 5146

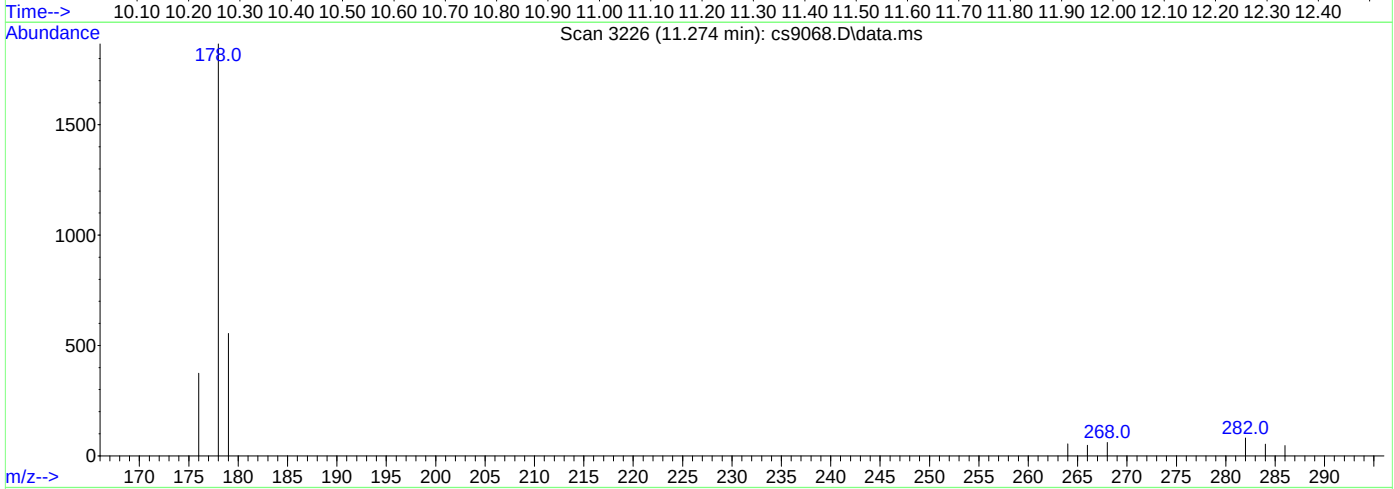
Ion	Exp%	Act%
152.00	100	100
151.00	19.30	0.00
153.00	12.70	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\recheleb\ecs468\
Data File : cs9068.D
Acq On : 16 Oct 2025 05:53 pm
Operator : alejanda
Sample : je20825-3 Inst : GCMS_CS
Misc : op68138a,ecs468,250,,,1,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 17 02:01:37 2025
Quant Method : X:\Dayton SVOA GCMS\recheleb\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Fri Oct 17 01:42:09 2025
Response via : Initial Calibration





TIC: cs9068.D\data.ms

(22) Anthracene (t)

11.274min (-0.003) 4.55ppb

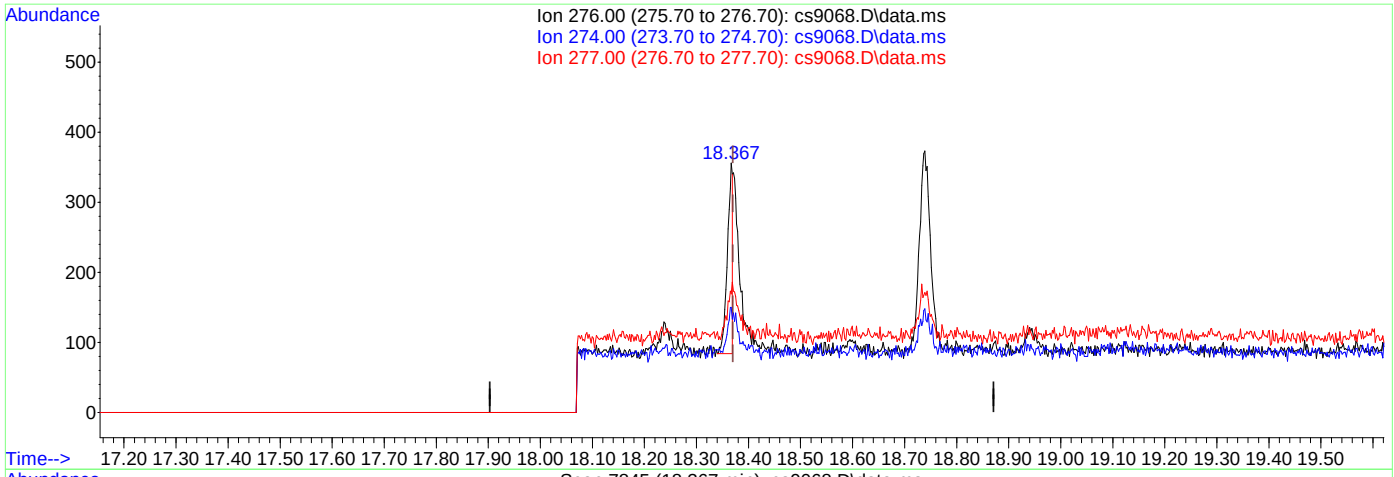
response 829

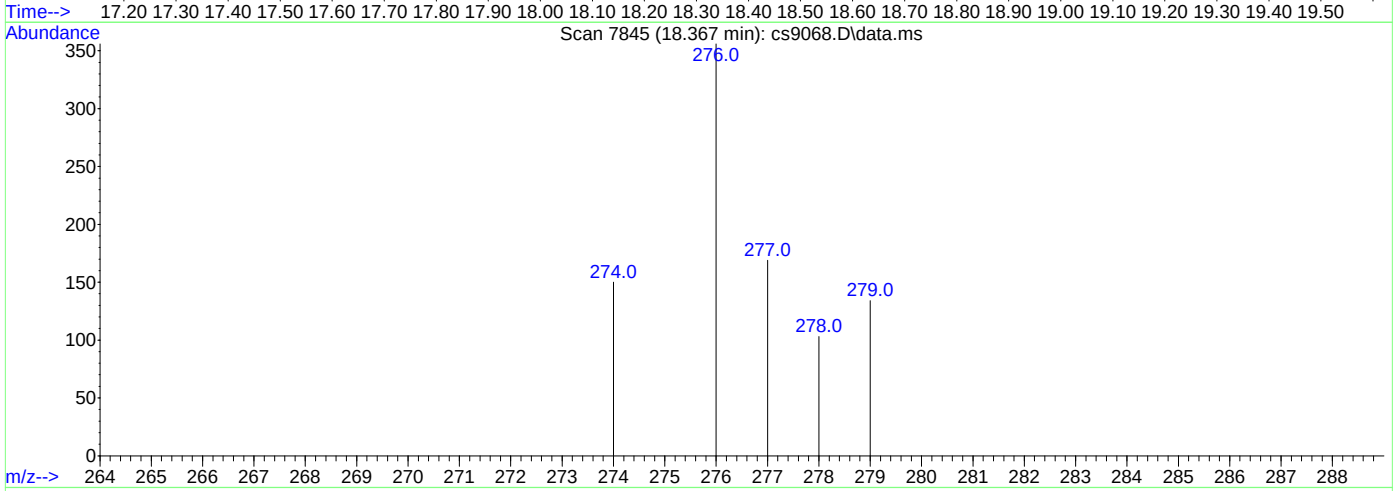
Ion	Exp%	Act%
178.00	100	100
179.00	15.20	15.67
176.00	18.40	13.31
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\recheleb\ecs468\
Data File : cs9068.D
Acq On : 16 Oct 2025 05:53 pm
Operator : alejanda
Sample : je20825-3 Inst : GCMS_CS
Misc : op68138a,ecs468,250,,,1,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 17 02:01:54 2025
Quant Method : X:\Dayton SVOA GCMS\recheleb\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Fri Oct 17 01:42:09 2025
Response via : Initial Calibration





TIC: cs9068.D\data.ms

(32) Indeno[1,2,3-cd]pyrene (t)

18.367min (-0.004) 1.92ppb

response 188

Ion	Exp%	Act%
276.00	100	100
274.00	21.60	27.08
277.00	23.80	12.85
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Ying Li
10/29/25 13:12

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\alodiab\EZ8699\
Data File : Z176732.d
Acq On : 27 Oct 2025 6:31 pm
Operator : rocquans
Sample : je20825-3 Inst : GCMSZ
Misc : op68290a,ez8699,250,,,1,10
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 28 09:21:37 2025
Quant Method : X:\Dayton SVOA GCMS\alodiab\Methods\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Tue Oct 28 09:03:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	5.932	150	14423	800.00	ppb	0.00
12) Fluorene-d10	7.197	176	18470	800.00	ppb	0.00
19) Fluoranthene-d10	9.851	212	30521	800.00	ppb	0.00
28) Benzo(a)pyrene-d12	14.038	264	18511	800.00	ppb	0.00
35) 1-Methylnaphthalene-d10a	5.932	150	14447m	800.00	ppb	0.00
37) Fluoranthene-d10a	9.851	212	30521	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	3.479	112	3342	342.56	ppb	0.01
Spiked Amount 10000.000			Recovery =	3.43%		
4) Phenol-d5	4.238	99	3059m	273.27	ppb	0.02
Spiked Amount 10000.000			Recovery =	2.73%		
6) Nitrobenzene-d5	4.864	82	4945	410.20	ppb	0.00
Spiked Amount 10000.000			Recovery =	4.10%		
13) 2-Fluorobiphenyl	6.158	172	12458	481.15	ppb	0.00
Spiked Amount 10000.000			Recovery =	4.81%		
18) 2,4,6-Tribromophenol	7.479	330	2699	626.80	ppb	0.00
Spiked Amount 10000.000			Recovery =	6.27%		
25) Terphenyl-d14	10.483	244	16910	666.16	ppb	0.00
Spiked Amount 10000.000			Recovery =	6.66%		
Target Compounds						Qvalue
7) Naphthalene	5.387	128	89557	2255.2771	ppb	98
9) 2-Methylnaphthalene	5.884	141	10159	442.8556	ppb	93
10) 1-Methylnaphthalene	5.956	141	12030	495.2022	ppb	95
15) Acenaphthene	6.738	153	6310	241.1790	ppb	90
16) Fluorene	7.218	166	669m	23.8748	ppb	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

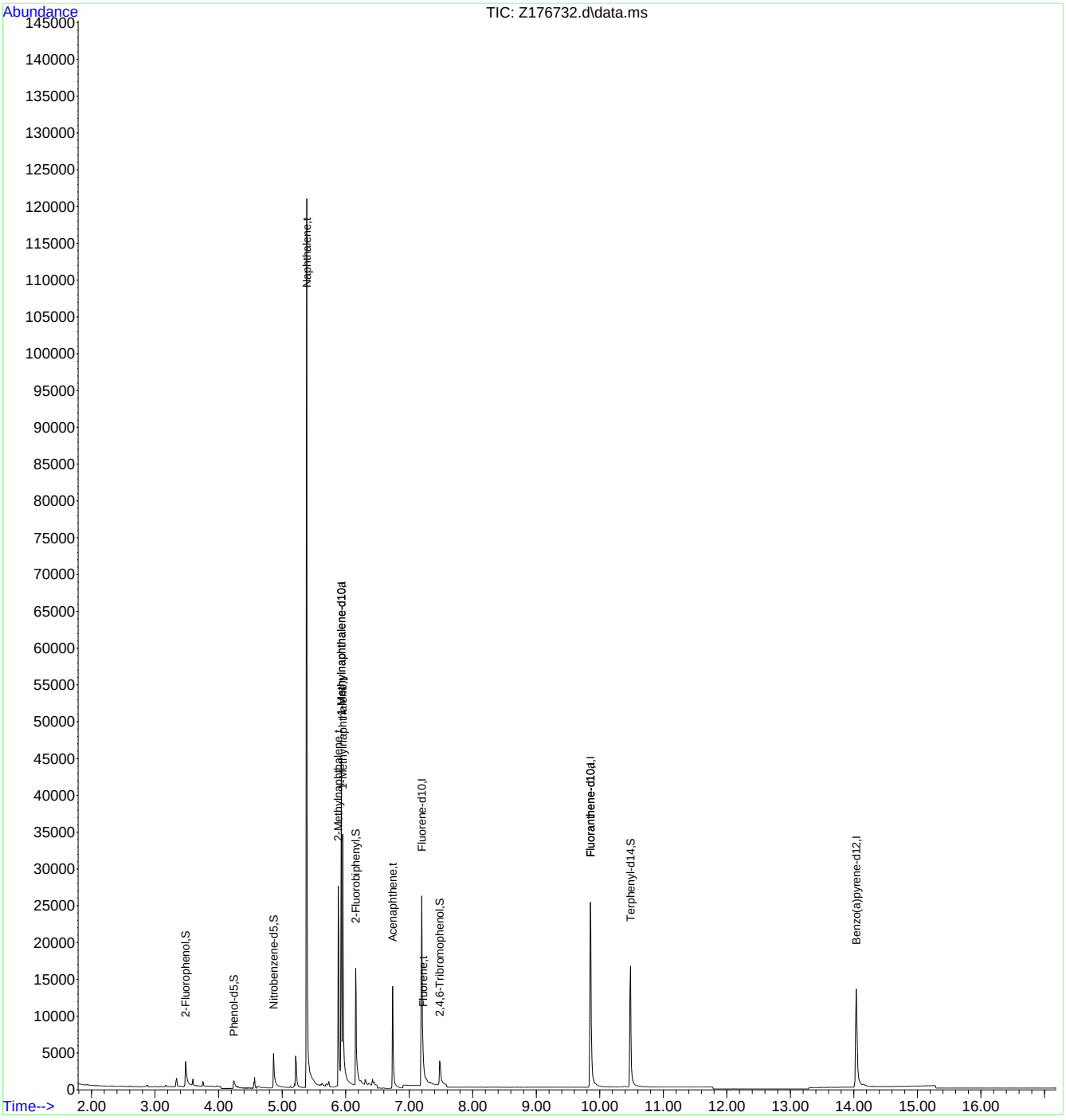
9.1.6

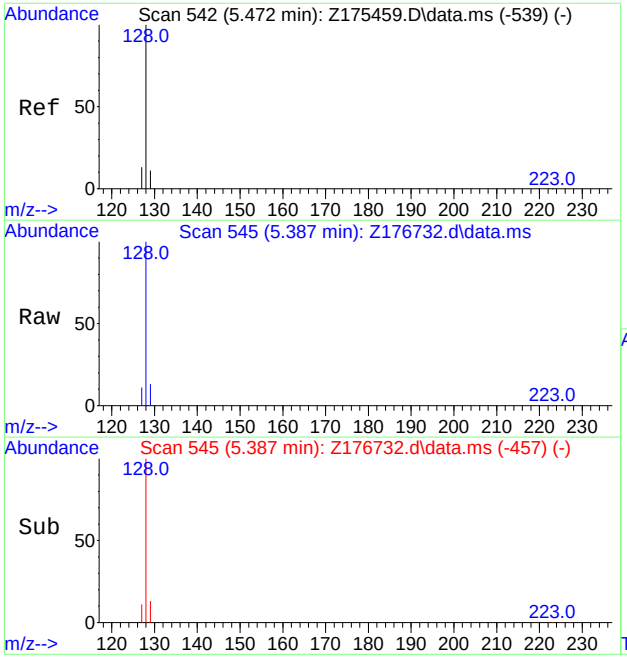
6

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\alodiab\EZ8699\
Data File : Z176732.d
Acq On : 27 Oct 2025 6:31 pm
Operator : rocquans
Sample : je20825-3 Inst : GCMSZ
Misc : op68290a,ez8699,250,,,1,10
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 28 09:21:37 2025
Quant Method : X:\Dayton SVOA GCMS\alodiab\Methods\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Tue Oct 28 09:03:48 2025
Response via : Initial Calibration

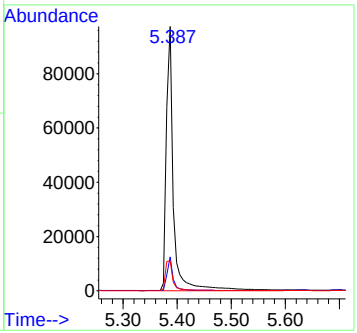


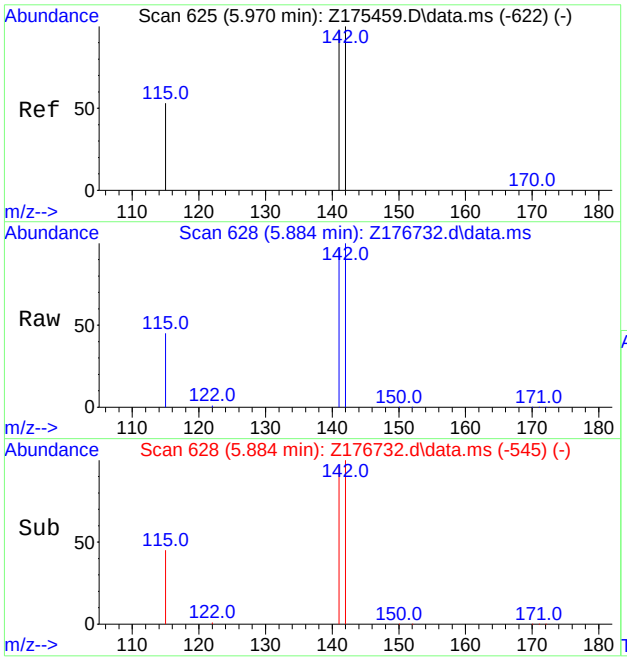


#7
Naphthalene
Concen: 2255.2771 ppb
RT: 5.387 min Scan# 545
Delta R.T. -0.003 min
Lab File: Z176732.d
Acq: 27 Oct 2025 6:31 pm

Tgt Ion:128 Resp: 89557

Ion	Ratio	Lower	Upper
128	100		
129	12.8	0.0	41.5
127	11.2	0.0	41.1

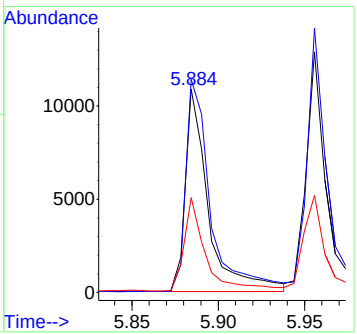


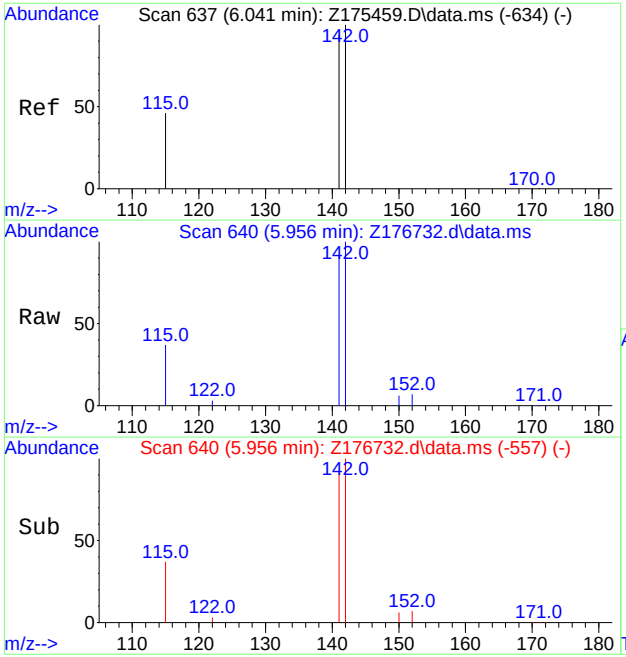


#9
2-Methylnaphthalene
Concen: 442.8556 ppb
RT: 5.884 min Scan# 628
Delta R.T. -0.003 min
Lab File: Z176732.d
Acq: 27 Oct 2025 6:31 pm

Tgt Ion:141 Resp: 10159

Ion	Ratio	Lower	Upper
141	100		
142	104.6	82.7	142.7
115	46.2	11.9	71.9

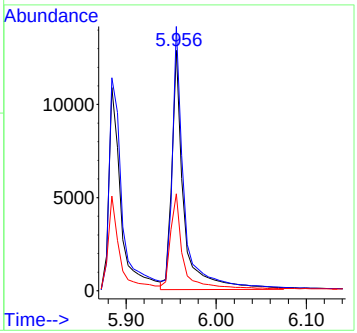


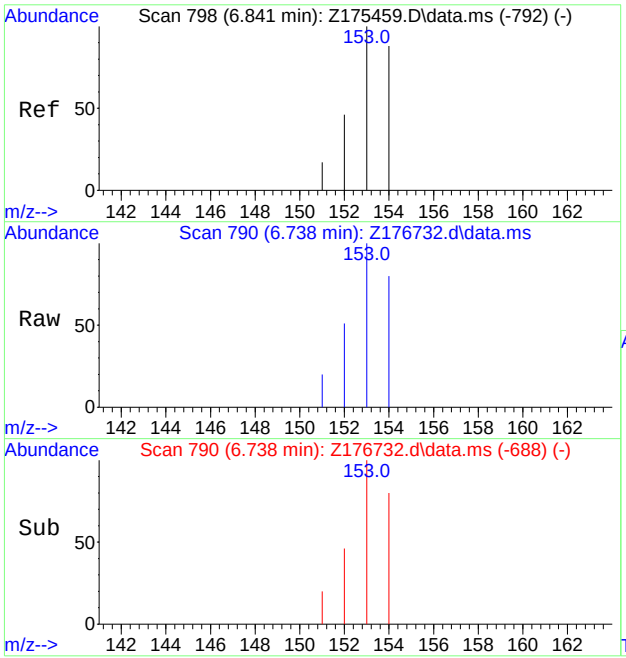


#10
1-Methylnaphthalene
Concen: 495.2022 ppb
RT: 5.956 min Scan# 640
Delta R.T. -0.003 min
Lab File: Z176732.d
Acq: 27 Oct 2025 6:31 pm

Tgt Ion:141 Resp: 12030

Ion	Ratio	Lower	Upper
141	100		
142	109.9	85.0	145.0
115	39.8	6.0	66.0

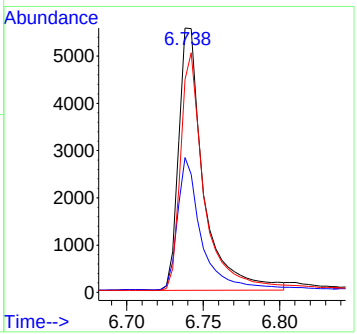


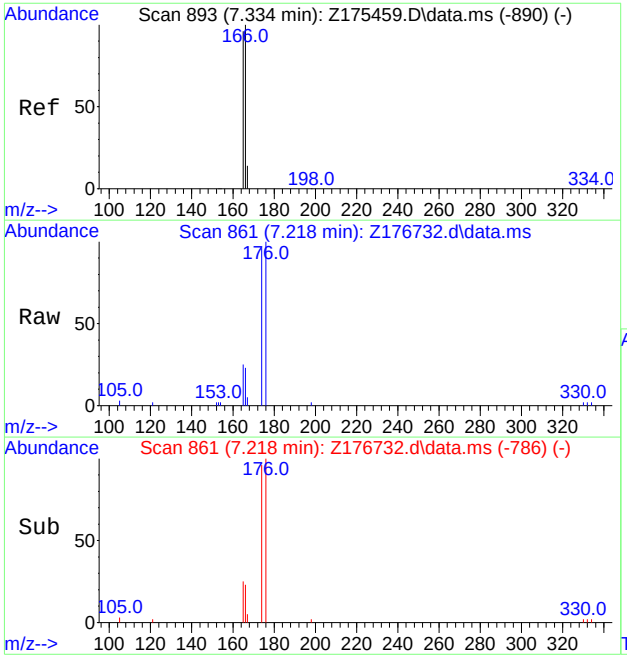


#15
Acenaphthene
Concen: 241.1790 ppb
RT: 6.738 min Scan# 790
Delta R.T. -0.003 min
Lab File: Z176732.d
Acq: 27 Oct 2025 6:31 pm

Tgt Ion:153 Resp: 6310

Ion	Ratio	Lower	Upper
153	100		
152	50.7	13.3	73.3
154	80.6	59.0	119.0

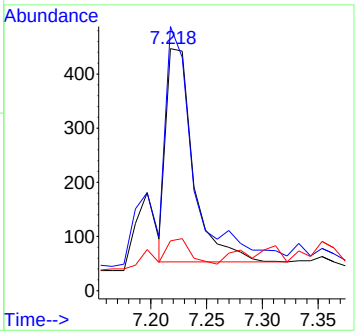




#16
Fluorene
Concen: 23.8748 ppb m
RT: 7.218 min Scan# 861
Delta R.T. -0.003 min
Lab File: Z176732.d
Acq: 27 Oct 2025 6:31 pm

Tgt Ion:166 Resp: 669

Ion	Ratio	Lower	Upper
166	100		
165	109.2	68.4	128.4
167	20.6	0.0	42.7



Manual Integration Approval Summary

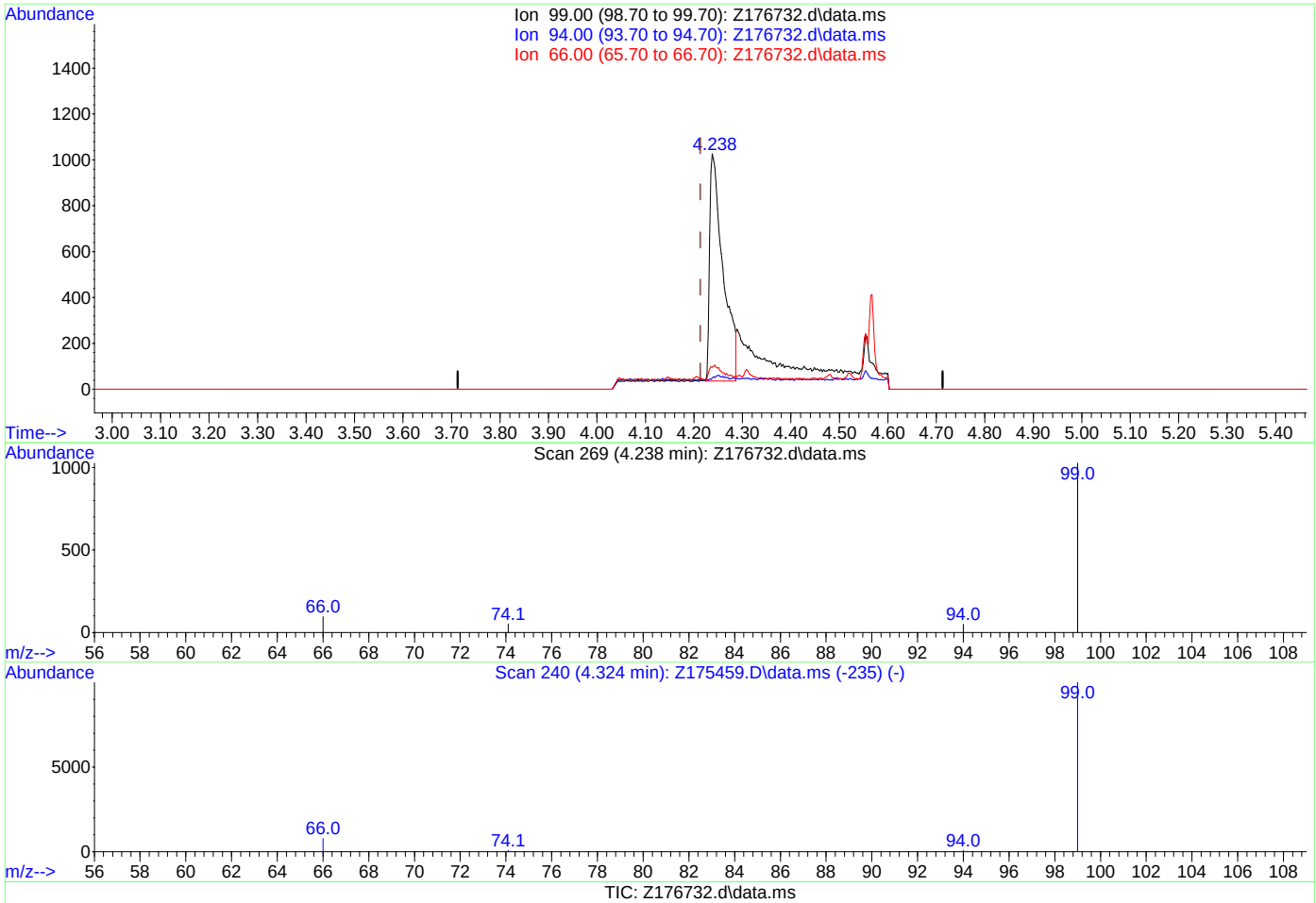
Sample Number: JE20825-3
Lab FileID: Z176732.D
Injection Time: 10/27/25 18:31
Method: SW846 8270E BY SIM
Analyst approved: 10/29/25 13:03 Ying Li
Supervisor approved: 10/29/25 13:12 Ying Li

Parameter	CAS	Sig#	R.T. (min.)	Reason
Phenol-d5	4165-62-2		4.24	Poor instrument integration
Fluorene	86-73-7		7.22	Poor instrument integration

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\alodiab\EZ8699\
Data File : Z176732.d
Acq On : 27 Oct 2025 6:31 pm
Operator : rocquans
Sample : je20825-3 Inst : GCMSZ
Misc : op68290a,ez8699,250,,,1,10
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 28 09:19:20 2025
Quant Method : X:\Dayton SVOA GCMS\alodiab\Methods\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Tue Oct 28 09:03:48 2025
Response via : Initial Calibration



TIC: Z176732.d\data.ms

(4) Phenol-d5 (S)

4.238min (+0.025) 169.29ppb

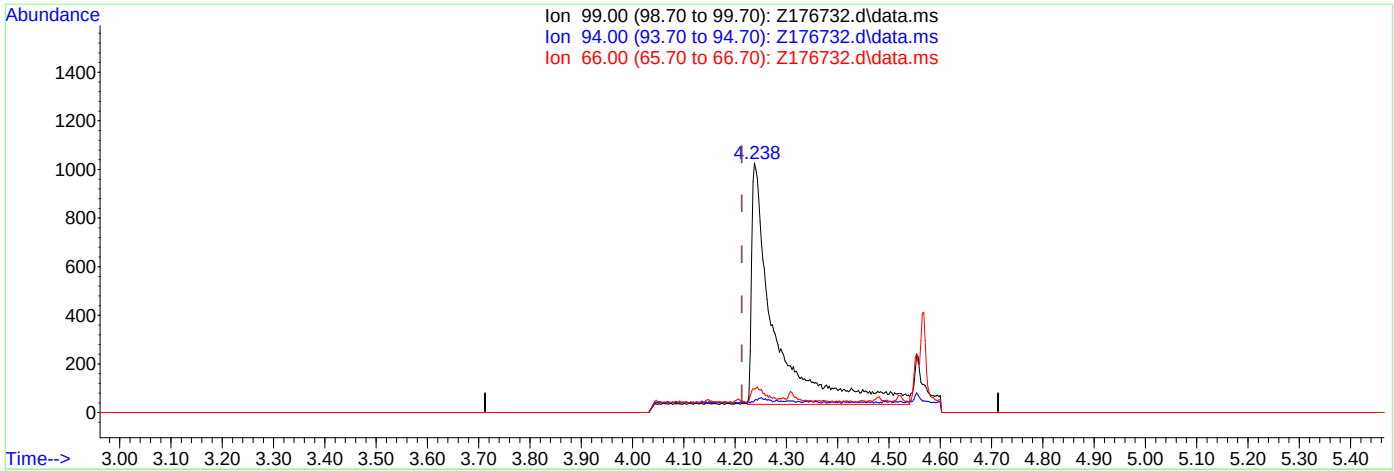
response 1895

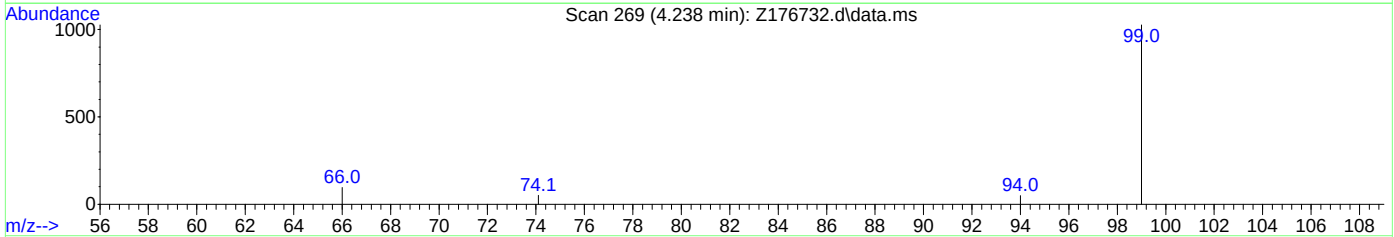
Ion	Exp%	Act%
99.00	100	100
94.00	0.60	0.45
66.00	5.80	5.20
0.00	0.00	0.00

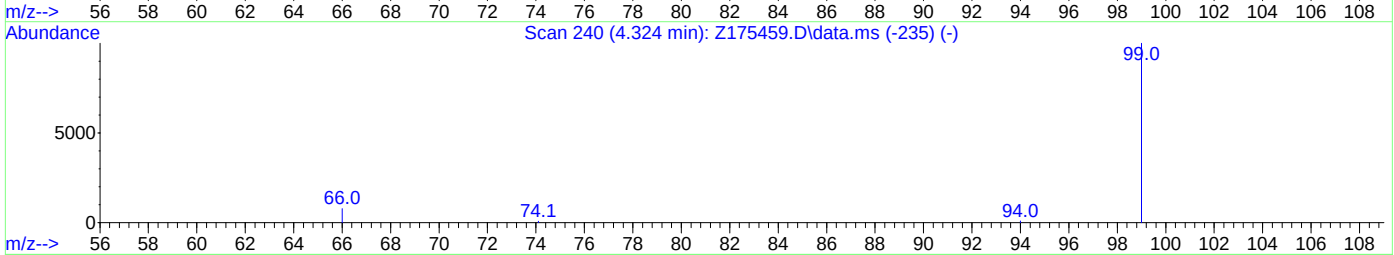
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\alodiab\EZ8699\
Data File : Z176732.d
Acq On : 27 Oct 2025 6:31 pm
Operator : rocquans
Sample : je20825-3 Inst : GCMSZ
Misc : op68290a,ez8699,250,,,1,10
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 28 09:19:20 2025
Quant Method : X:\Dayton SVOA GCMS\alodiab\Methods\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Tue Oct 28 09:03:48 2025
Response via : Initial Calibration







TIC: Z176732.d\data.ms

(4) Phenol-d5 (S)

4.238min (+0.025) 273.27ppb m

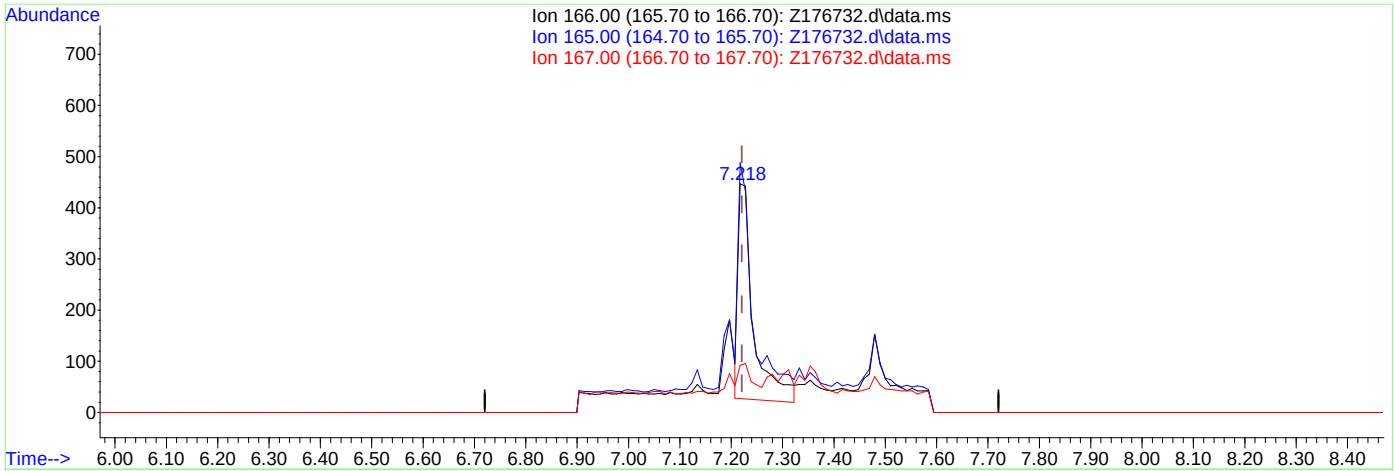
response 3059

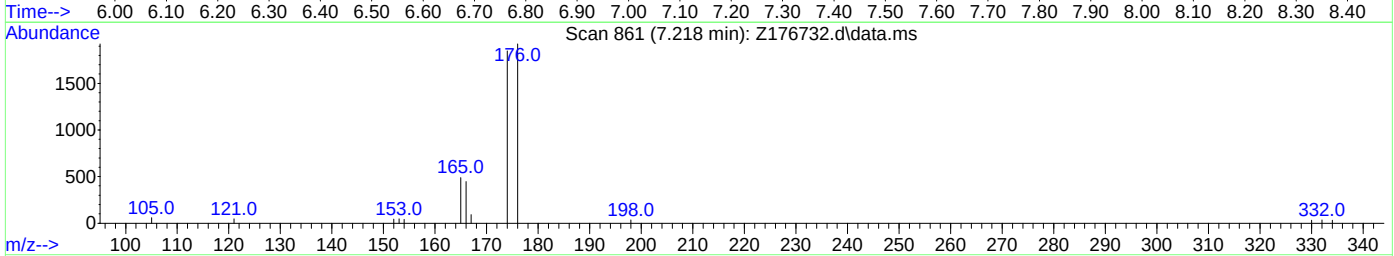
Ion	Exp%	Act%
99.00	100	100
94.00	0.60	4.77
66.00	5.80	9.35
0.00	0.00	0.00

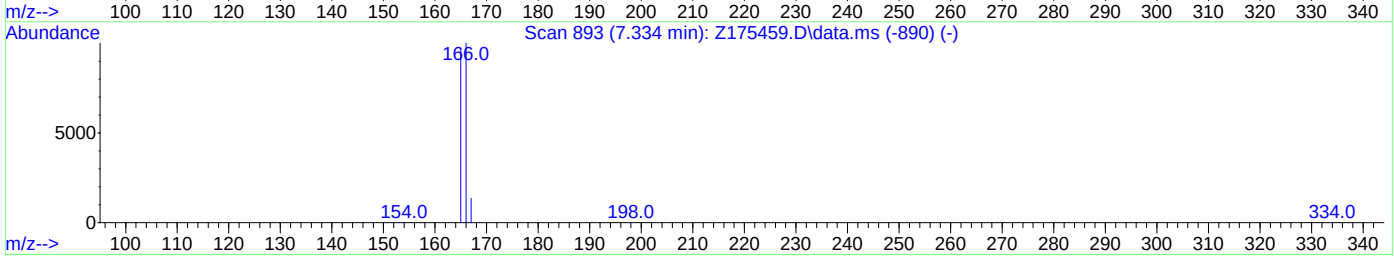
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\alodiab\EZ8699\
Data File : Z176732.d
Acq On : 27 Oct 2025 6:31 pm
Operator : rocquans
Sample : je20825-3 Inst : GCMSZ
Misc : op68290a,ez8699,250,,,1,10
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 28 09:19:20 2025
Quant Method : X:\Dayton SVOA GCMS\alodiab\Methods\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Tue Oct 28 09:03:48 2025
Response via : Initial Calibration







TIC: Z176732.d\data.ms

(16) Fluorene (t)

7.218min (-0.003) 31.05ppb

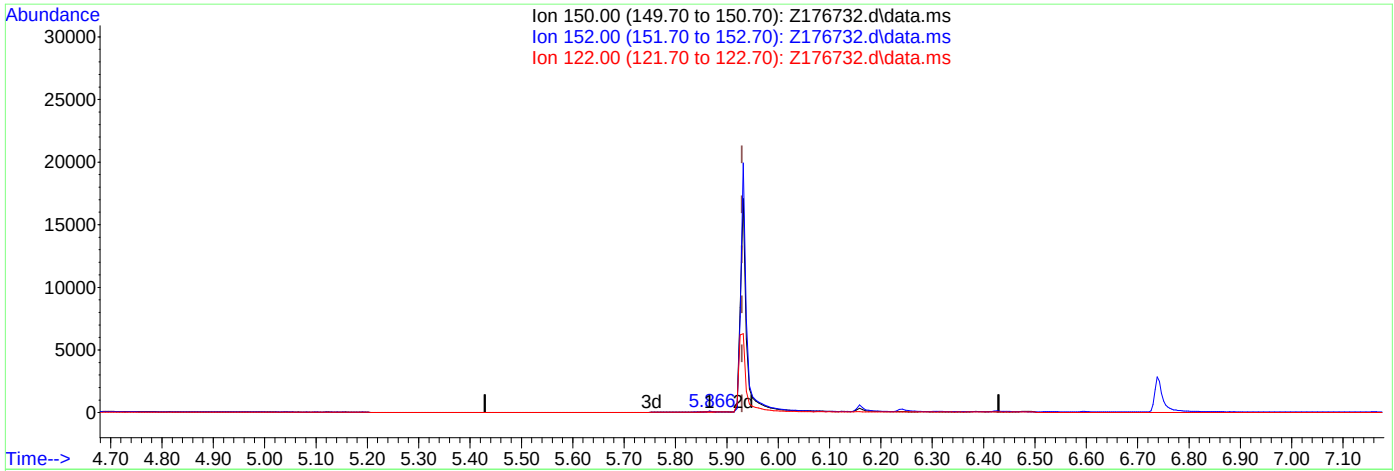
response 870

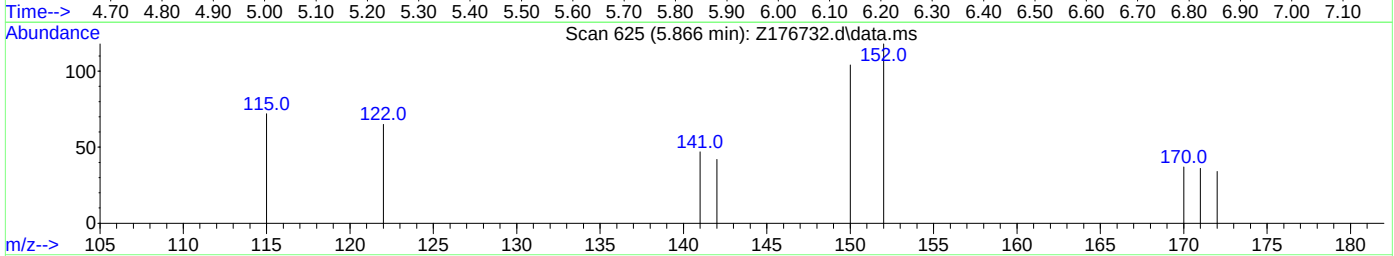
Ion	Exp%	Act%
166.00	100	100
165.00	98.40	108.85
167.00	12.70	10.59
0.00	0.00	0.00

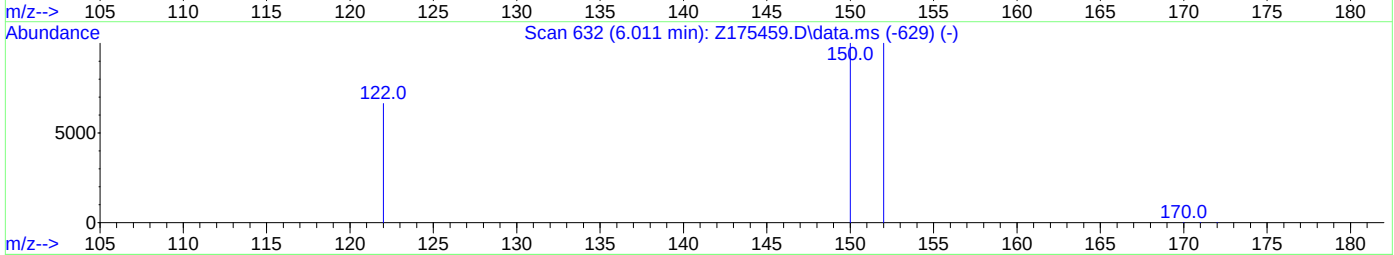
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\alodiab\EZ8699\
Data File : Z176732.d
Acq On : 27 Oct 2025 6:31 pm
Operator : rocquans
Sample : je20825-3 Inst : GCMSZ
Misc : op68290a,ez8699,250,,,1,10
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 28 09:19:20 2025
Quant Method : X:\Dayton SVOA GCMS\alodiab\Methods\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Tue Oct 28 09:03:48 2025
Response via : Initial Calibration







TIC: Z176732.d\data.ms

(35) 1-Methylnaphthalene-d10a

5.866min (-0.063) 800.00ppb

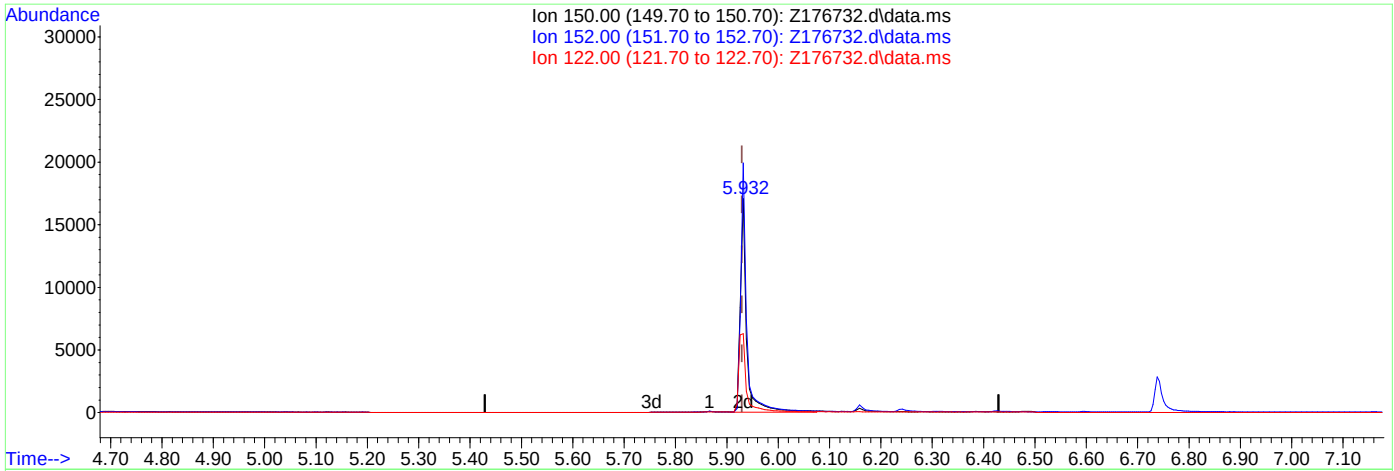
response 70

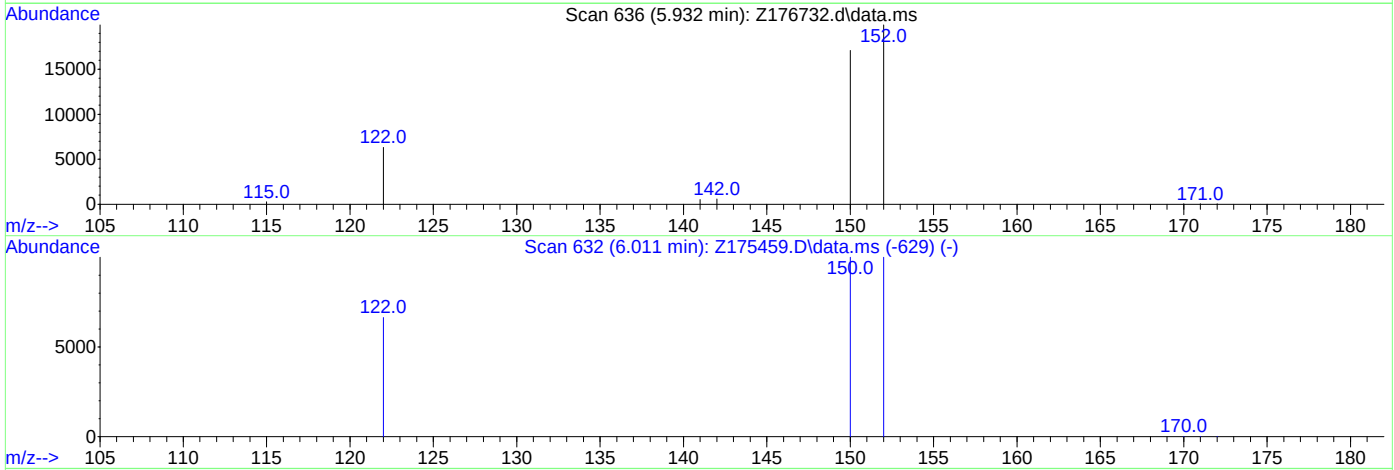
Ion	Exp%	Act%
150.00	100	100
152.00	105.10	114.53
122.00	53.60	39.32
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\alodiab\EZ8699\
Data File : Z176732.d
Acq On : 27 Oct 2025 6:31 pm
Operator : rocquans
Sample : je20825-3 Inst : GCMSZ
Misc : op68290a,ez8699,250,,,1,10
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 28 09:19:20 2025
Quant Method : X:\Dayton SVOA GCMS\alodiab\Methods\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Tue Oct 28 09:03:48 2025
Response via : Initial Calibration





TIC: Z176732.d\data.ms

(35) 1-Methylnaphthalene-d10a

5.932min (+0.003) 800.00ppb m

response 14447

Ion	Exp%	Act%
150.00	100	100
152.00	105.10	116.67
122.00	53.60	36.88#
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Ying Li
10/29/25 13:12

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\alodiab\EZ8699\
Data File : Z176733.d
Acq On : 27 Oct 2025 6:56 pm
Operator : rocquans
Sample : je20825-3 Inst : GCMSZ
Misc : op68290a,ez8699,250,,,1,50
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 28 09:23:52 2025
Quant Method : X:\Dayton SVOA GCMS\alodiab\Methods\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Tue Oct 28 09:03:48 2025
Response via : Initial Calibration

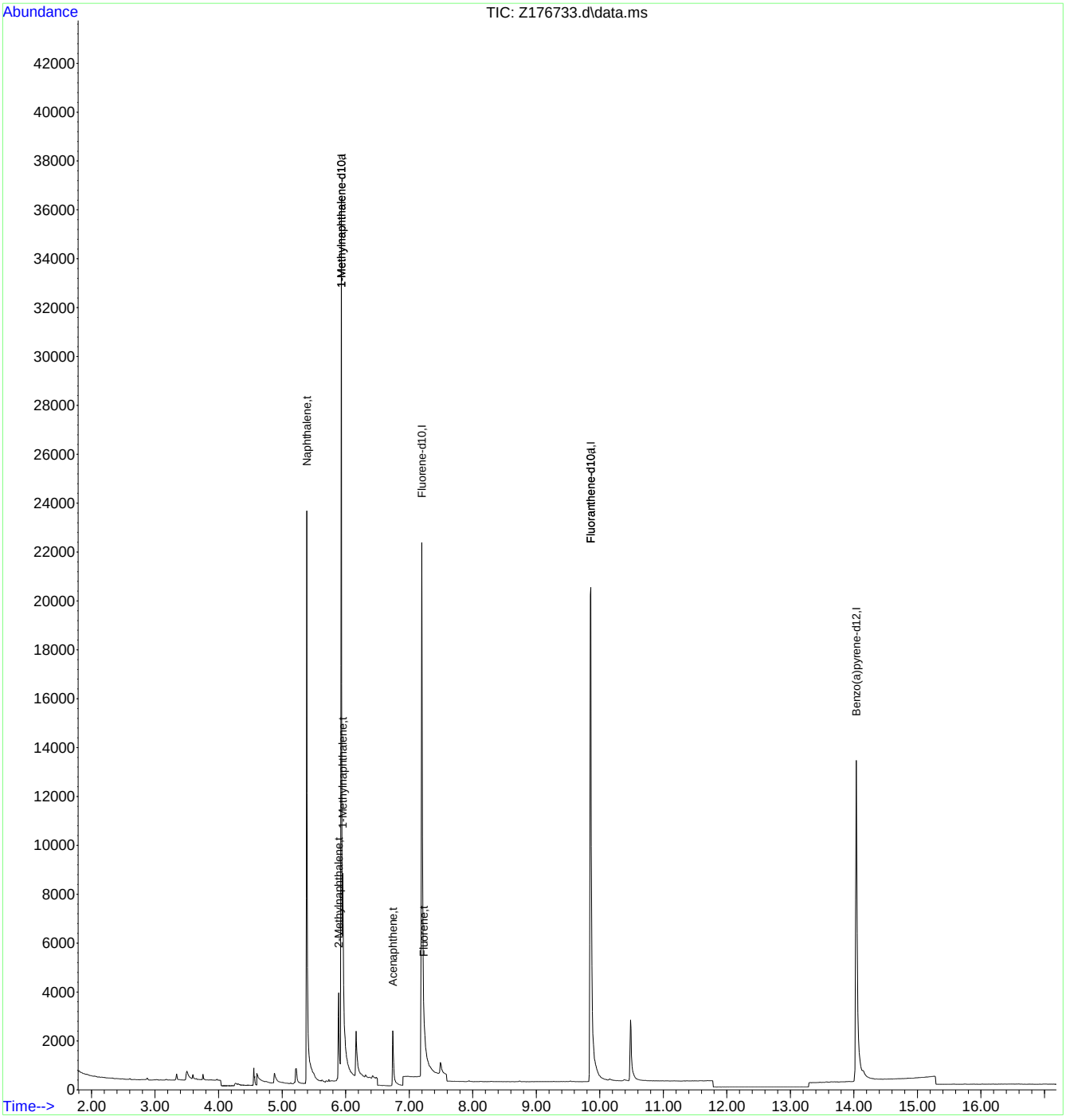
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	5.932	150	14057	800.00	ppb	0.00
12) Fluorene-d10	7.197	176	18083	800.00	ppb	0.00
19) Fluoranthene-d10	9.859	212	29197	800.00	ppb	0.00
28) Benzo(a)pyrene-d12	14.038	264	17733	800.00	ppb	0.00
35) 1-Methylnaphthalene-d10a	5.932	150	14057	800.00	ppb	0.00
37) Fluoranthene-d10a	9.859	212	29197	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	0.000	112	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
4) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
6) Nitrobenzene-d5	0.000	82	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
13) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
18) 2,4,6-Tribromophenol	0.000	330	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
25) Terphenyl-d14	0.000	244	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
Target Compounds						Qvalue
7) Naphthalene	5.387	128	19693	508.8329	ppb	97
9) 2-Methylnaphthalene	5.890	141	1774	79.3465	ppb	97
10) 1-Methylnaphthalene	5.956	141	2280m	96.2974	ppb	
15) Acenaphthene	6.742	153	1196	46.6915	ppb	93
16) Fluorene	7.228	166	157	5.7228	ppb	94

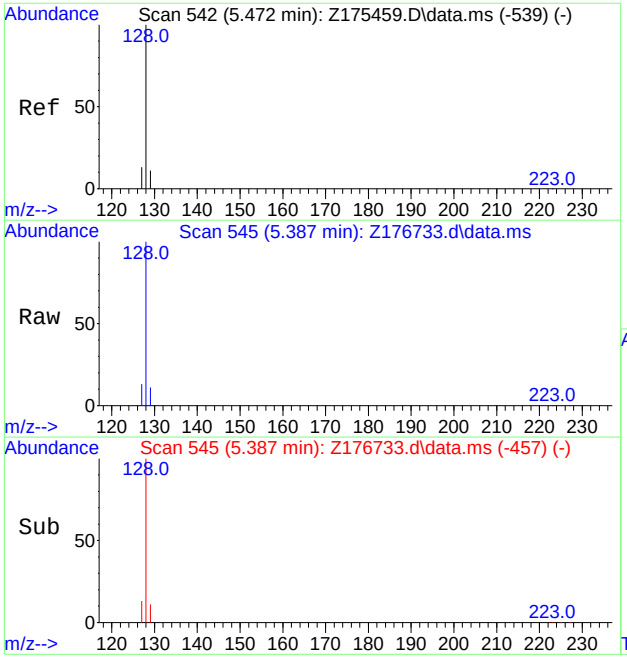
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\alodiab\EZ8699\
Data File : Z176733.d
Acq On : 27 Oct 2025 6:56 pm
Operator : rocquans
Sample : je20825-3 Inst : GCMSZ
Misc : op68290a,ez8699,250,,,1,50
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 28 09:23:52 2025
Quant Method : X:\Dayton SVOA GCMS\alodiab\Methods\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Tue Oct 28 09:03:48 2025
Response via : Initial Calibration

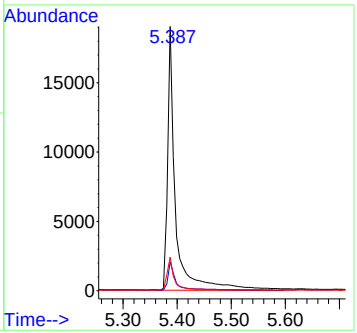


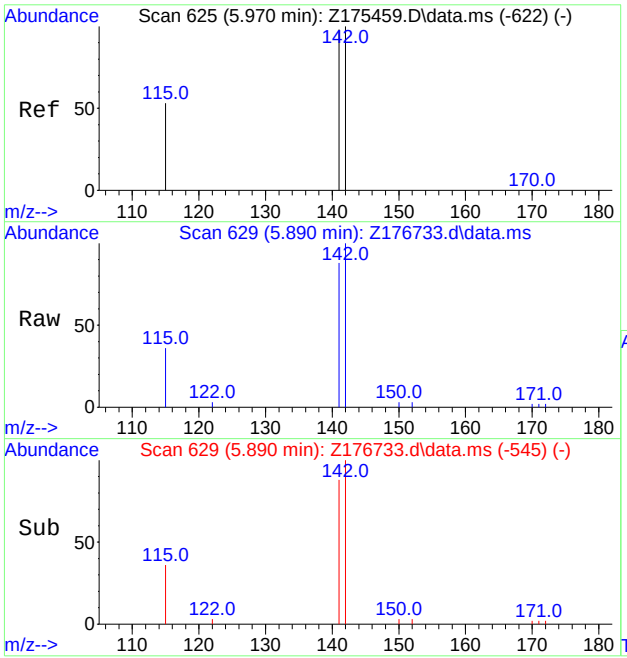


#7
Naphthalene
Concen: 508.8329 ppb
RT: 5.387 min Scan# 545
Delta R.T. -0.003 min
Lab File: Z176733.d
Acq: 27 Oct 2025 6:56 pm

Tgt Ion:128 Resp: 19693

Ion	Ratio	Lower	Upper
128	100		
129	10.7	0.0	41.5
127	12.6	0.0	41.1

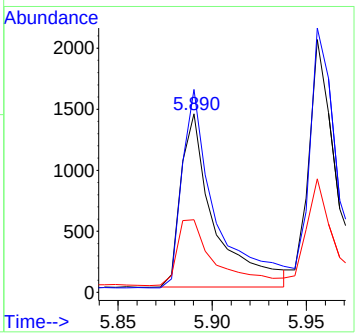


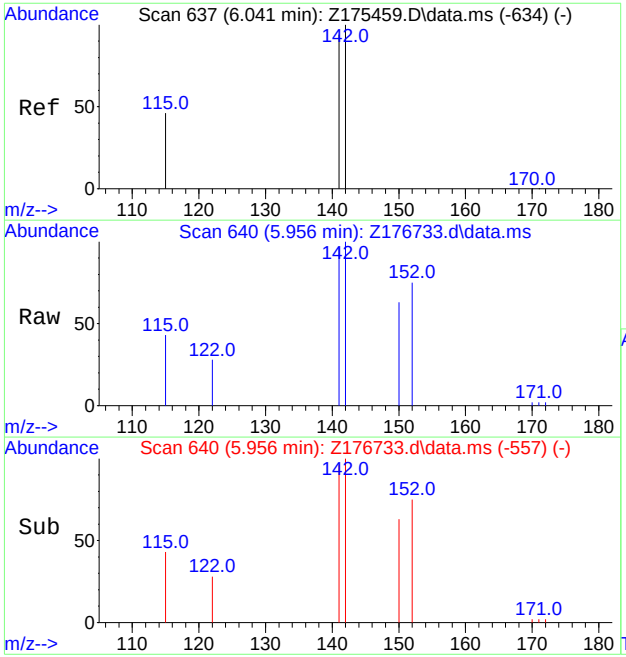


#9
2-Methylnaphthalene
Concen: 79.3465 ppb
RT: 5.890 min Scan# 629
Delta R.T. 0.003 min
Lab File: Z176733.d
Acq: 27 Oct 2025 6:56 pm

Tgt Ion:141 Resp: 1774

Ion	Ratio	Lower	Upper
141	100		
142	114.0	82.7	142.7
115	37.4	11.9	71.9

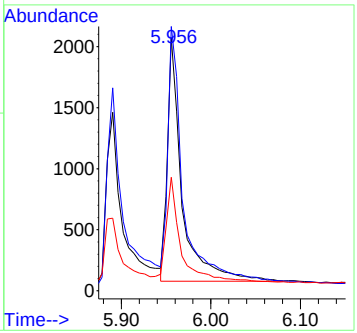


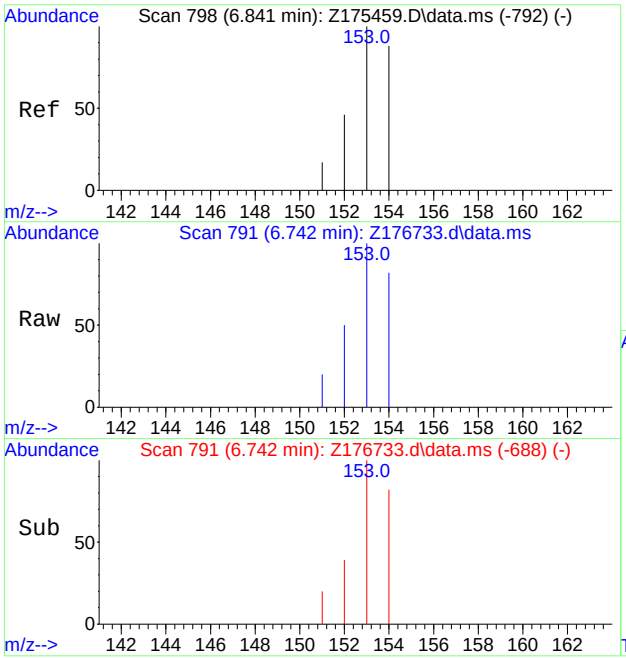


#10
1-Methylnaphthalene
Concen: 96.2974 ppb m
RT: 5.956 min Scan# 640
Delta R.T. -0.003 min
Lab File: Z176733.d
Acq: 27 Oct 2025 6:56 pm

Tgt Ion:141 Resp: 2280

Ion	Ratio	Lower	Upper
141	100		
142	104.6	85.0	145.0
115	45.0	6.0	66.0

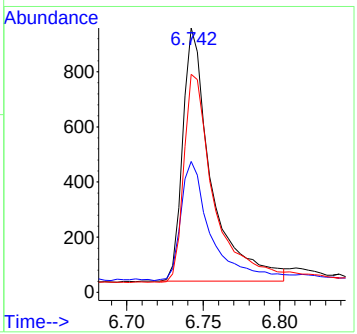


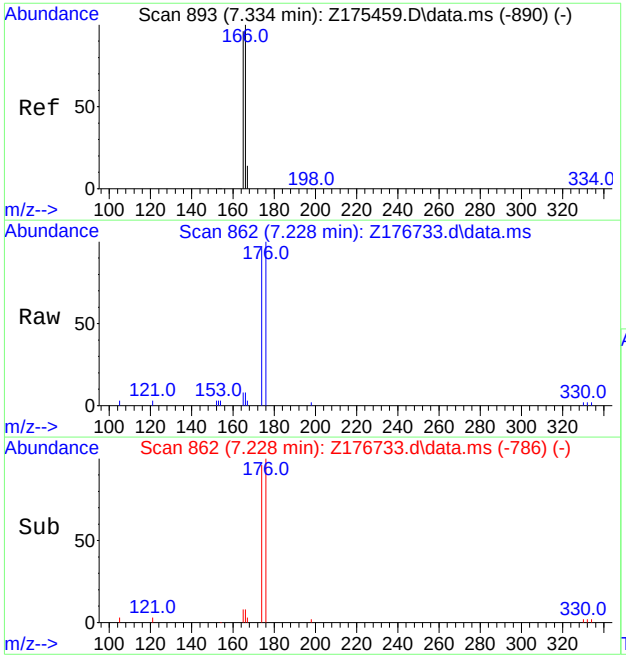


#15
Acenaphthene
Concen: 46.6915 ppb
RT: 6.742 min Scan# 791
Delta R.T. 0.001 min
Lab File: Z176733.d
Acq: 27 Oct 2025 6:56 pm

Tgt Ion:153 Resp: 1196

Ion	Ratio	Lower	Upper
153	100		
152	46.8	13.3	73.3
154	82.1	59.0	119.0

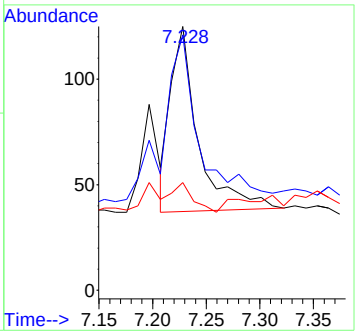




#16
Fluorene
Concen: 5.7228 ppb
RT: 7.228 min Scan# 862
Delta R.T. 0.007 min
Lab File: Z176733.d
Acq: 27 Oct 2025 6:56 pm

Tgt Ion:166 Resp: 157

Ion	Ratio	Lower	Upper
166	100		
165	91.5	68.4	128.4
167	12.4	0.0	42.7



Manual Integration Approval Summary

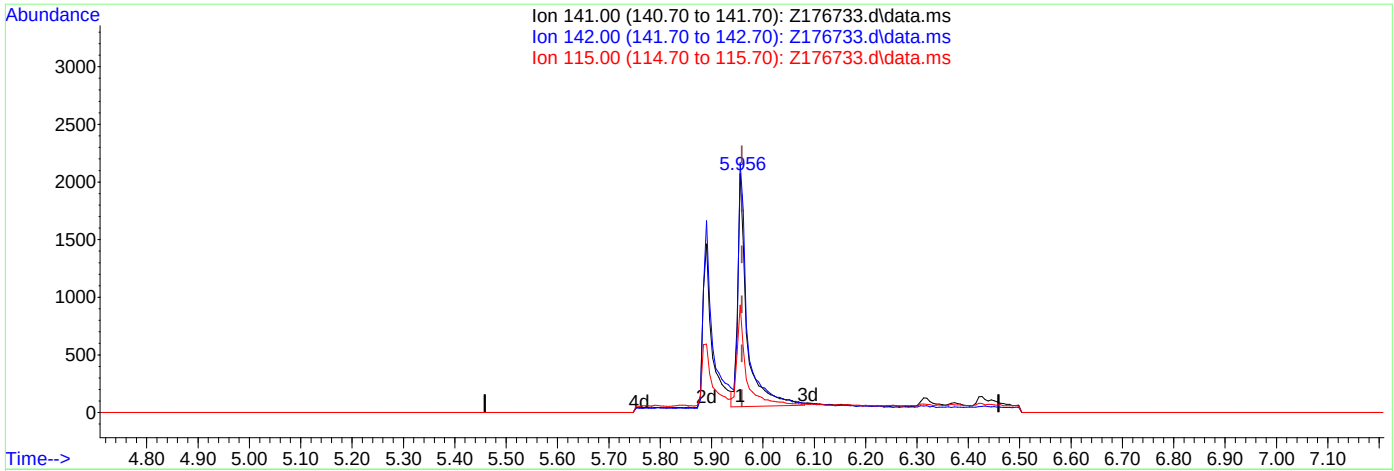
Sample Number:	JE20825-3	**Method:**	SW846 8270E BY SIM
Lab FileID:	Z176733.D	**Analyst approved:**	10/29/25 13:03 Ying Li
Injection Time:	10/27/25 18:56	**Supervisor approved:**	10/29/25 13:12 Ying Li

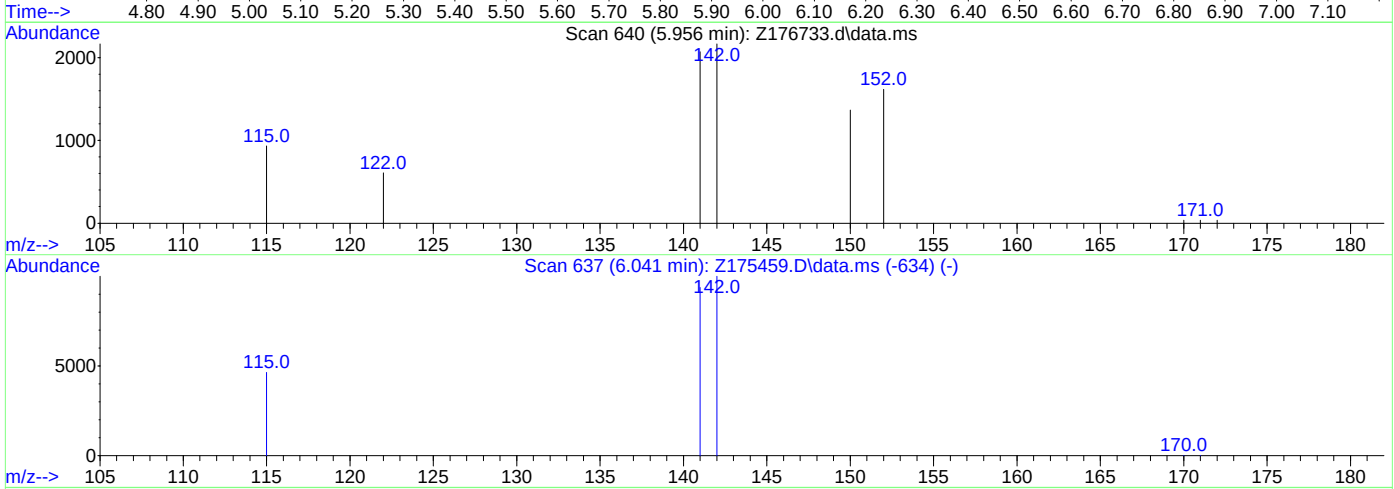
Parameter	CAS	Sig#	R.T. (min.)	Reason
1-Methylnaphthalene	90-12-0		5.96	Poor instrument integration

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\alodiab\EZ8699\
Data File : Z176733.d
Acq On : 27 Oct 2025 6:56 pm
Operator : rocquans
Sample : je20825-3 Inst : GCMSZ
Misc : op68290a,ez8699,250,,,1,50
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 28 09:22:11 2025
Quant Method : X:\Dayton SVOA GCMS\alodiab\Methods\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Tue Oct 28 09:03:48 2025
Response via : Initial Calibration





TIC: Z176733.d\data.ms

(10) 1-Methylnaphthalene (t)

5.956min (-0.003) 106.01ppb

response 2510

Ion	Exp%	Act%
141.00	100	100
142.00	115.00	104.07
115.00	36.00	43.12
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Ying Li
10/29/25 13:12

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\nerirose\ecs475\
Data File : cs9253.D
Acq On : 24 Oct 2025 04:50 pm
Operator : alejanda
Sample : je20825-3 Inst : GCMS_CS
Misc : op68290a,ecs475,250,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 26 18:28:38 2025
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Sun Oct 26 17:18:53 2025
Response via : Initial Calibration

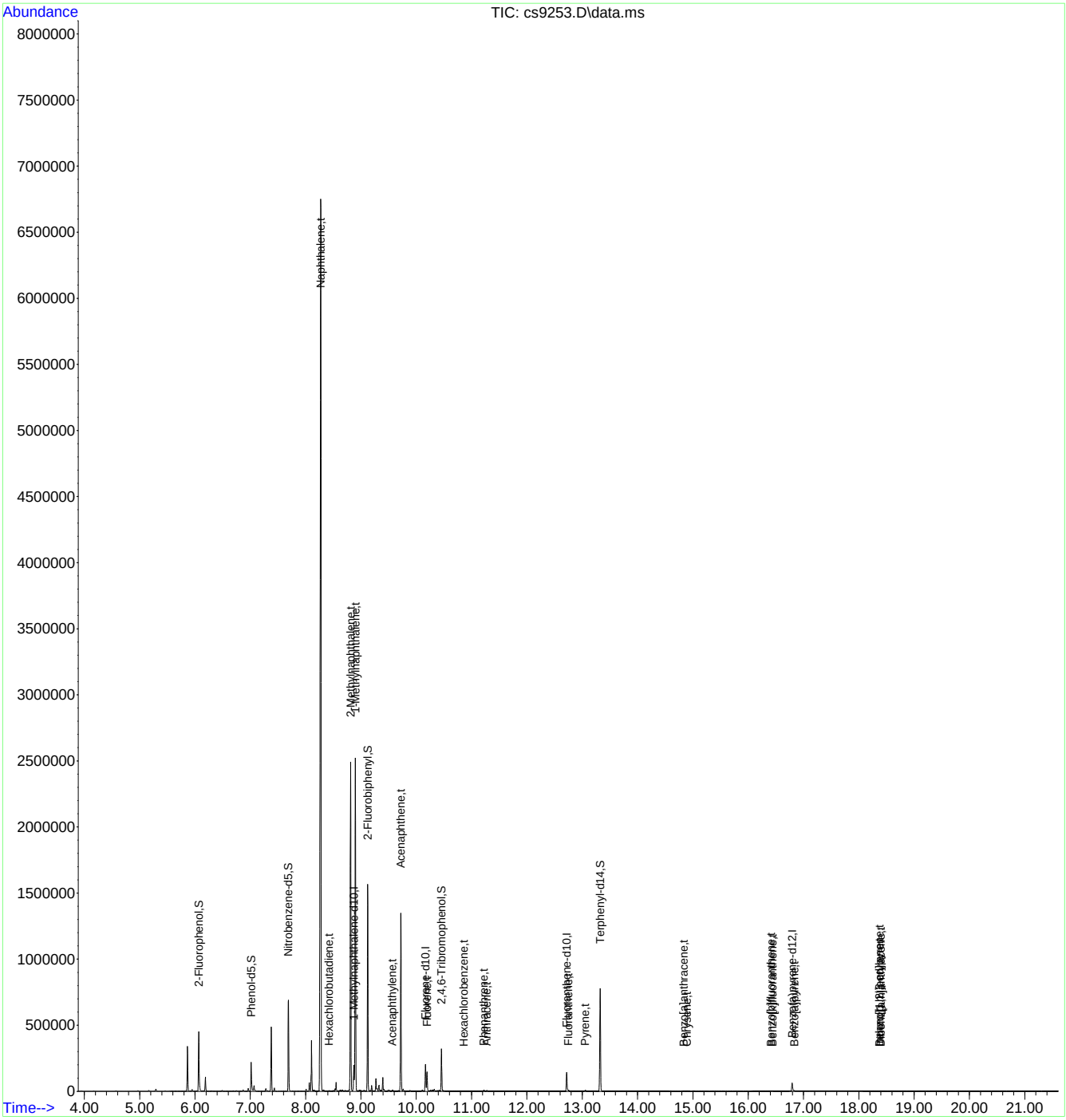
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	8.870	150	62933	800.00	ppb	0.00
11) Fluorene-d10	10.165	176	77017	800.00	ppb	0.00
18) Fluoranthene-d10	12.719	212	111105	800.00	ppb	0.00
28) Benzo(a)pyrene-d12	16.795	264	52956	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	6.068	112	218700	3626.83	ppb	0.00
Spiked Amount 10000.000			Recovery =	36.27%		
4) Phenol-d5	7.013	99	188188	2643.02	ppb	0.00
Spiked Amount 10000.000			Recovery =	26.43%		
6) Nitrobenzene-d5	7.687	82	377109	6418.51	ppb	0.00
Spiked Amount 10000.000			Recovery =	64.19%		
12) 2-Fluorobiphenyl	9.122	172	742014	5943.82	ppb	0.00
Spiked Amount 10000.000			Recovery =	59.44%		
17) 2,4,6-Tribromophenol	10.456	330	112041	8747.85	ppb	0.00
Spiked Amount 10000.000			Recovery =	87.48%		
25) Terphenyl-d14	13.325	244	555387	6968.44	ppb	0.00
Spiked Amount 10000.000			Recovery =	69.68%		
Target Compounds						Qvalue
7) Naphthalene	8.272	128	6100946	27007.9277	ppb	98
8) Hexachlorobutadiene	8.418	225	214	6.4693	ppb	96
9) 2-Methylnaphthalene	8.813	141	812883	6479.6867	ppb	99
10) 1-Methylnaphthalene	8.898	141	820425	6873.5276	ppb	100
13) Acenaphthylene	9.565	152	4503m	23.9213	ppb	
14) Acenaphthene	9.721	153	451368	3446.0294	ppb	99
15) Fluorene	10.194	166	60620	405.4117	ppb	100
19) Hexachlorobenzene	10.853	284	330	8.7074	ppb	91
21) Phenanthrene	11.217	178	4661	23.6529	ppb	99
22) Anthracene	11.273	178	3408	18.7555	ppb	99
23) Fluoranthene	12.746	202	5453	26.3616	ppb	99
24) Pyrene	13.052	202	4639	22.0738	ppb	98
26) Benzo[a]anthracene	14.831	228	1373	9.0479	ppb	97
27) Chrysene	14.890	228	2010	13.3443	ppb	99
29) Benzo[b]fluoranthene	16.408	252	1214	10.4902	ppb	92
30) Benzo[k]fluoranthene	16.437	252	963m	8.9235	ppb	
31) Benzo[a]pyrene	16.833	252	745	6.9425	ppb	99
32) Indeno[1,2,3-cd]pyrene	18.375	276	479	5.6592	ppb	98
33) Dibenz[a,h]anthracene	18.398	278	169m	2.1298	ppb	
34) Benzo[g,h,i]perylene	18.375	276	479	5.6767	ppb	94

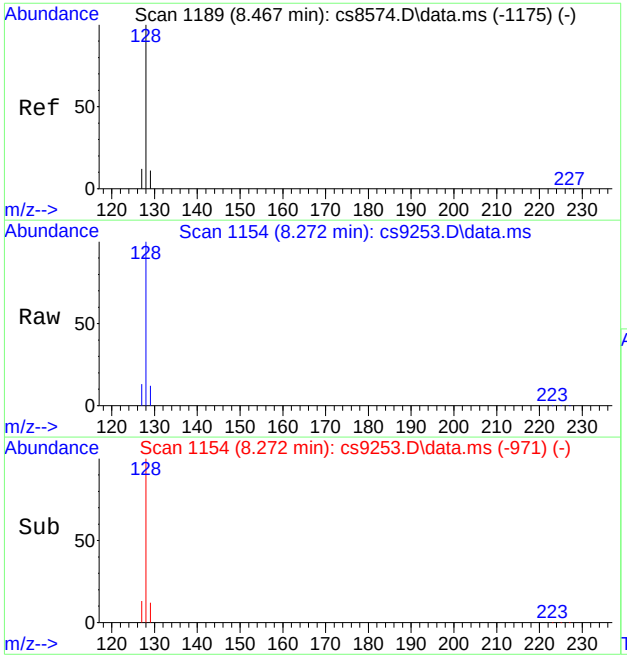
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\nerirose\ecs475\
Data File : cs9253.D
Acq On : 24 Oct 2025 04:50 pm
Operator : alejanda
Sample : je20825-3 Inst : GCMS_CS
Misc : op68290a,ecs475,250,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 26 18:28:38 2025
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Sun Oct 26 17:18:53 2025
Response via : Initial Calibration

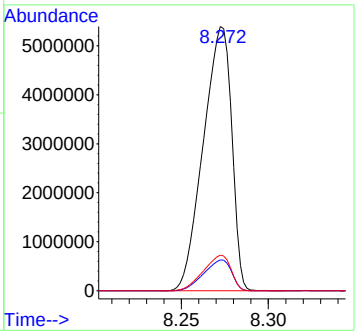


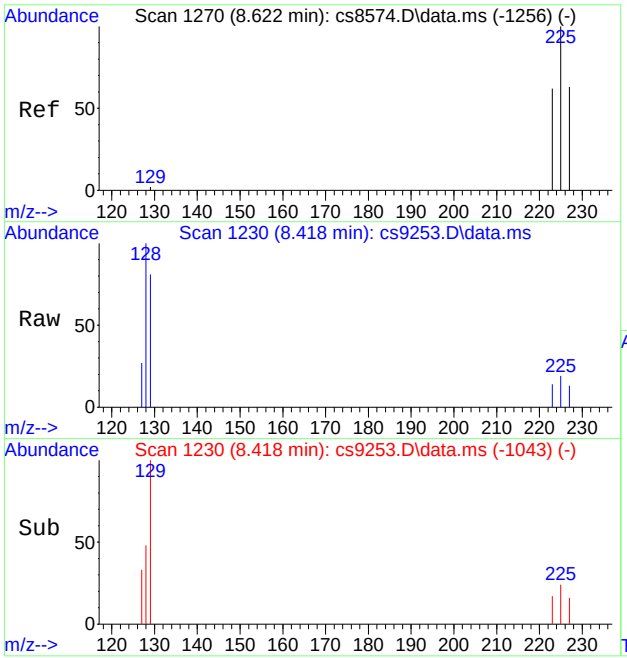


#7
Naphthalene
Concen: 27007.9277 ppb
RT: 8.272 min Scan# 1154
Delta R.T. 0.006 min
Lab File: cs9253.D
Acq: 24 Oct 2025 04:50 pm

Tgt Ion:128 Resp: 6100946

Ion	Ratio	Lower	Upper
128	100		
129	11.6	0.0	40.8
127	13.5	0.0	42.6

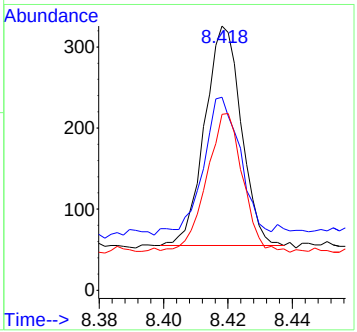


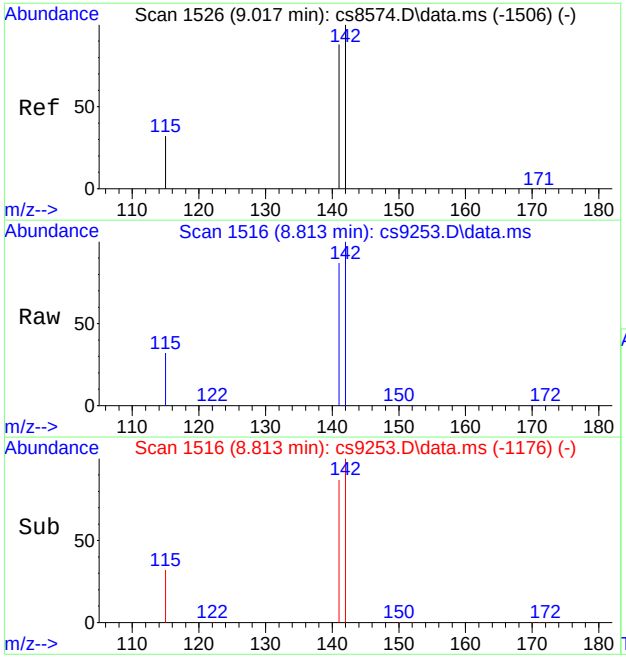


#8
Hexachlorobutadiene
Concen: 6.4693 ppb
RT: 8.418 min Scan# 1230
Delta R.T. -0.002 min
Lab File: cs9253.D
Acq: 24 Oct 2025 04:50 pm

Tgt Ion:225 Resp: 214

Ion	Ratio	Lower	Upper
225	100		
223	59.8	34.2	94.2
227	61.6	34.1	94.1

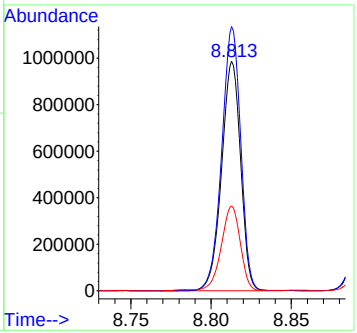


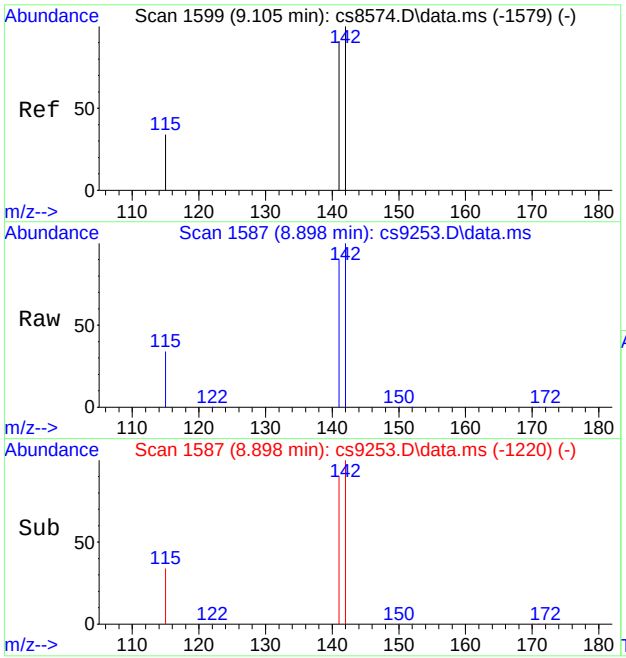


#9
2-Methylnaphthalene
Concen: 6479.6867 ppb
RT: 8.813 min Scan# 1516
Delta R.T. -0.001 min
Lab File: cs9253.D
Acq: 24 Oct 2025 04:50 pm

Tgt Ion:141 Resp: 812883

Ion	Ratio	Lower	Upper
141	100		
142	115.2	84.8	144.8
115	37.0	5.6	65.6

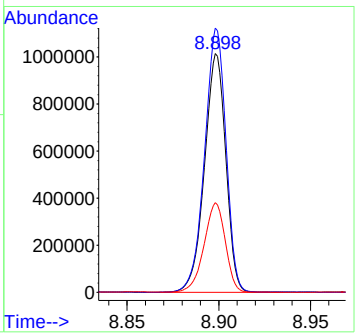


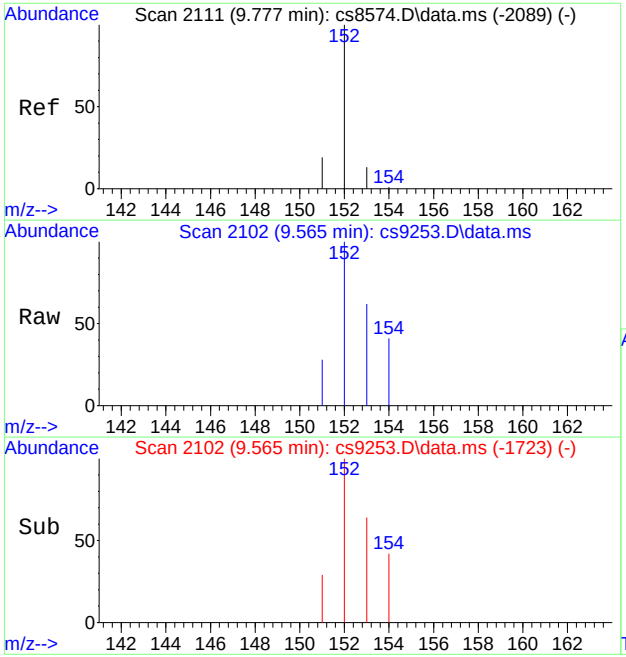


#10
1-Methylnaphthalene
Concen: 6873.5276 ppb
RT: 8.898 min Scan# 1587
Delta R.T. -0.000 min
Lab File: cs9253.D
Acq: 24 Oct 2025 04:50 pm

Tgt Ion:141 Resp: 820425

Ion	Ratio	Lower	Upper
141	100		
142	110.7	80.5	140.5
115	37.5	6.7	66.7

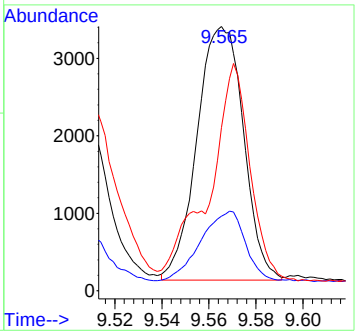


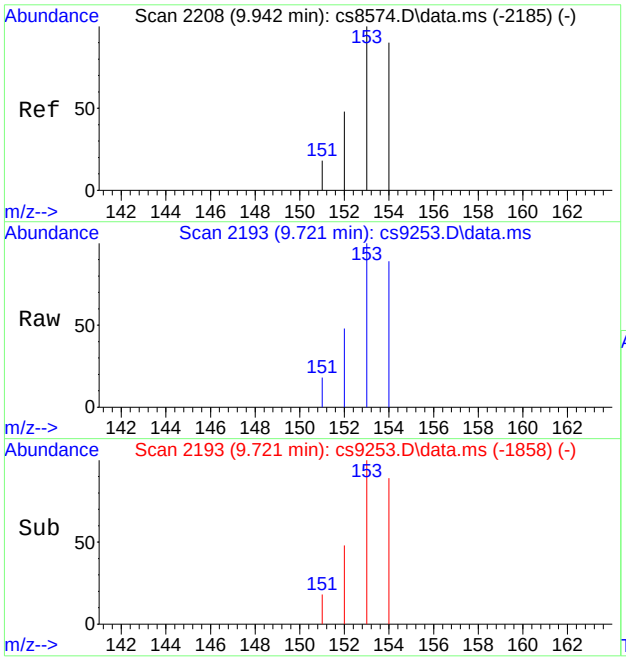


#13
Acenaphthylene
Concen: 23.9213 ppb m
RT: 9.565 min Scan# 2102
Delta R.T. 0.003 min
Lab File: cs9253.D
Acq: 24 Oct 2025 04:50 pm

Tgt Ion:152 Resp: 4503

Ion	Ratio	Lower	Upper
152	100		
151	28.2	0.0	49.1
153	61.7	0.0	42.9#

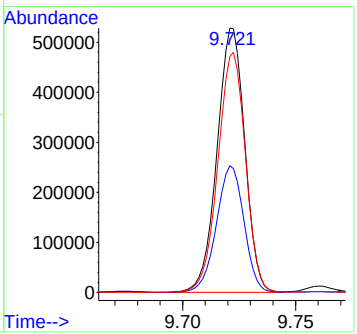


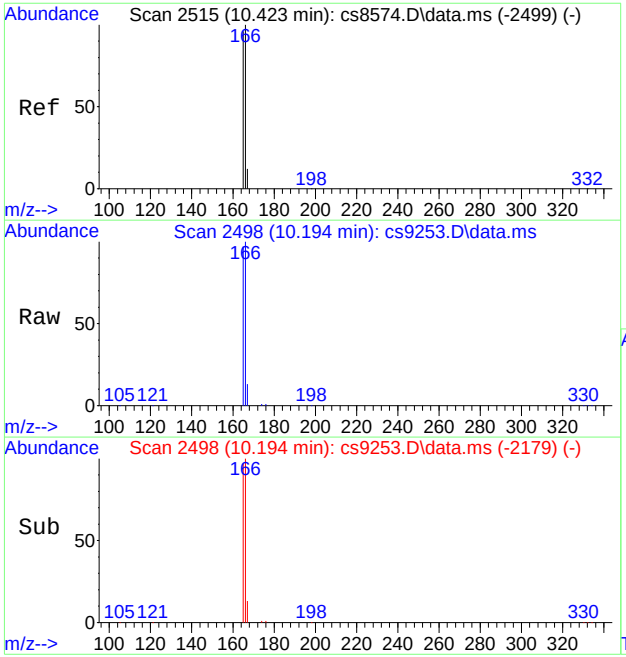


#14
Acenaphthene
Concen: 3446.0294 ppb
RT: 9.721 min Scan# 2193
Delta R.T. -0.004 min
Lab File: cs9253.D
Acq: 24 Oct 2025 04:50 pm

Tgt Ion:153 Resp: 451368

Ion	Ratio	Lower	Upper
153	100		
152	47.9	17.1	77.1
154	89.1	59.9	119.9

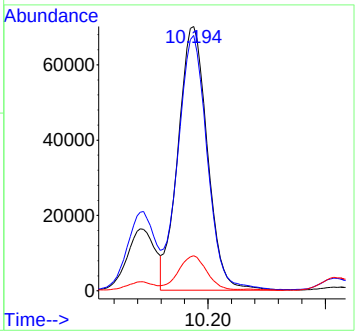


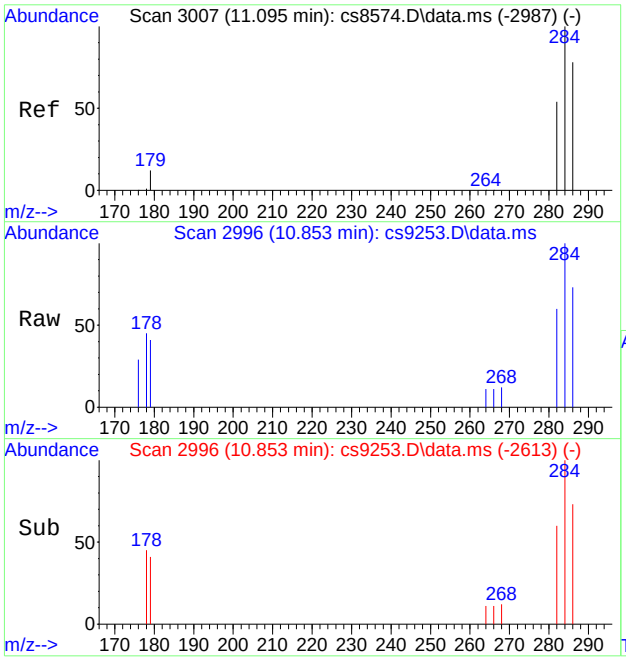


#15
Fluorene
Concen: 405.4117 ppb
RT: 10.194 min Scan# 2498
Delta R.T. -0.003 min
Lab File: cs9253.D
Acq: 24 Oct 2025 04:50 pm

Tgt Ion:166 Resp: 60620

Ion	Ratio	Lower	Upper
166	100		
165	95.2	65.4	125.4
167	13.1	0.0	43.4

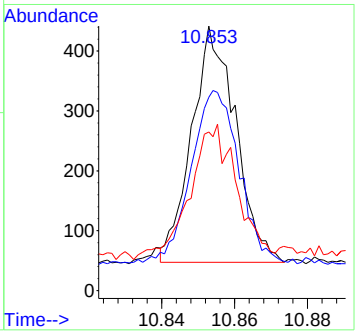


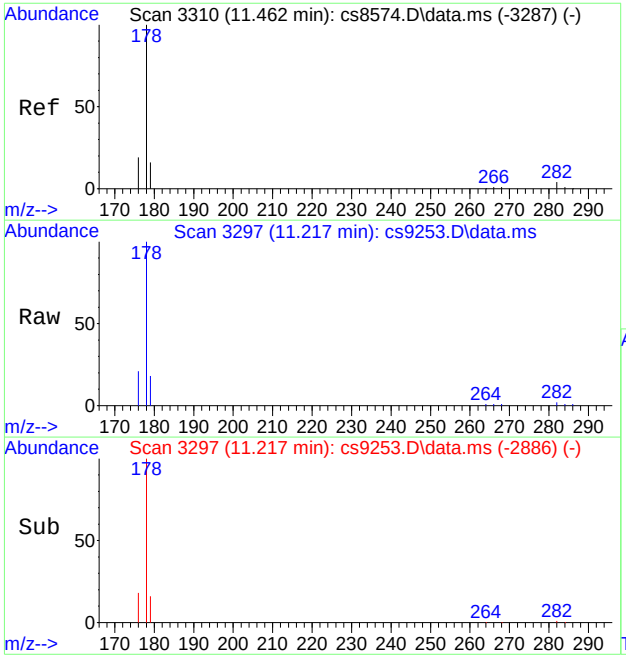


#19
Hexachlorobenzene
Concen: 8.7074 ppb
RT: 10.853 min Scan# 2996
Delta R.T. -0.005 min
Lab File: cs9253.D
Acq: 24 Oct 2025 04:50 pm

Tgt Ion:284 Resp: 330

Ion	Ratio	Lower	Upper
284	100		
286	69.6	49.7	109.7
282	50.4	23.7	83.7

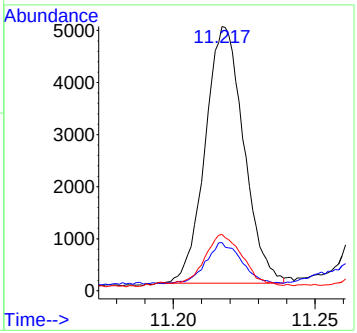


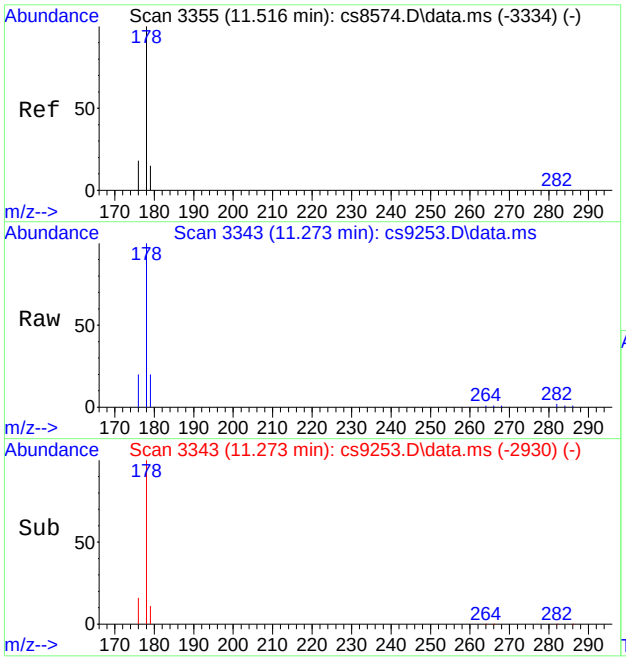


#21
Phenanthrene
Concen: 23.6529 ppb
RT: 11.217 min Scan# 3297
Delta R.T. -0.003 min
Lab File: cs9253.D
Acq: 24 Oct 2025 04:50 pm

Tgt Ion:178 Resp: 4661

Ion	Ratio	Lower	Upper
178	100		
179	15.9	0.0	45.5
176	19.4	0.0	48.8

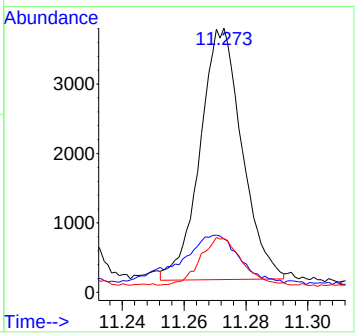


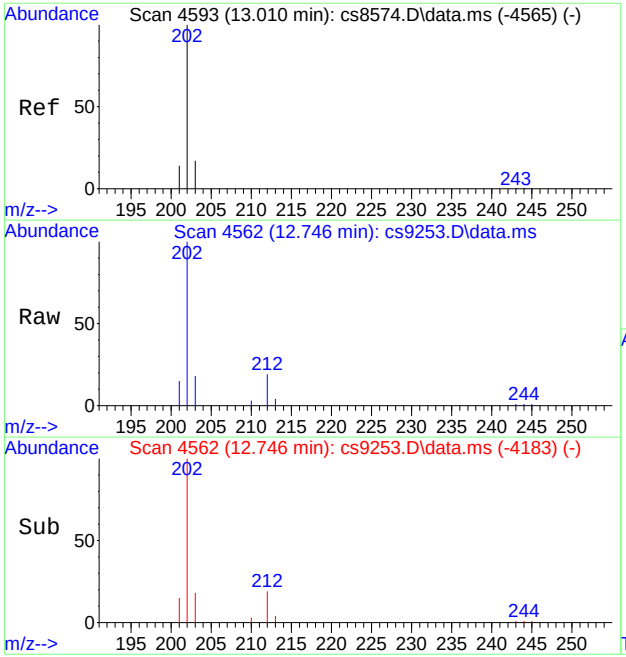


#22
Anthracene
Concen: 18.7555 ppb
RT: 11.273 min Scan# 3343
Delta R.T. -0.000 min
Lab File: cs9253.D
Acq: 24 Oct 2025 04:50 pm

Tgt Ion:178 Resp: 3408

Ion	Ratio	Lower	Upper
178	100		
179	14.6	0.0	45.1
176	18.5	0.0	49.1

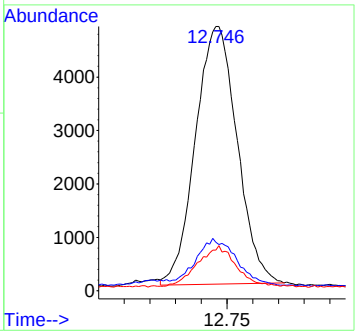


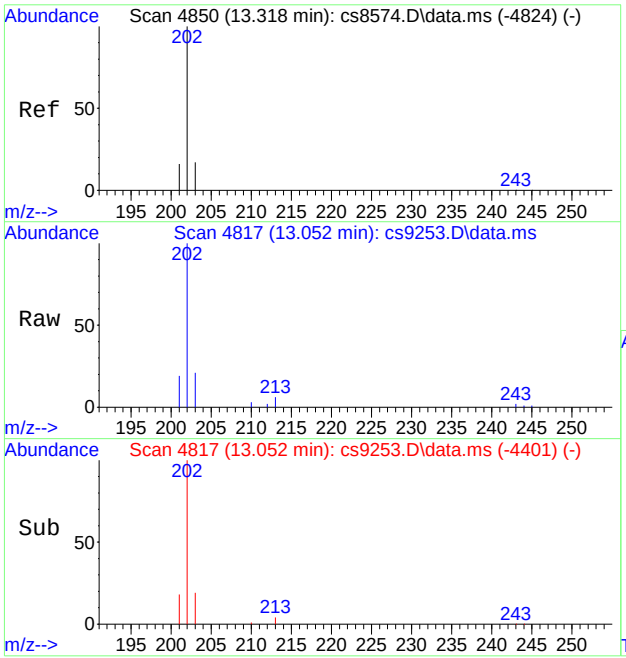


#23
Fluoranthene
Concen: 26.3616 ppb
RT: 12.746 min Scan# 4562
Delta R.T. -0.004 min
Lab File: cs9253.D
Acq: 24 Oct 2025 04:50 pm

Tgt Ion:202 Resp: 5453

Ion	Ratio	Lower	Upper
202	100		
203	15.8	0.0	46.9
201	13.9	0.0	44.0

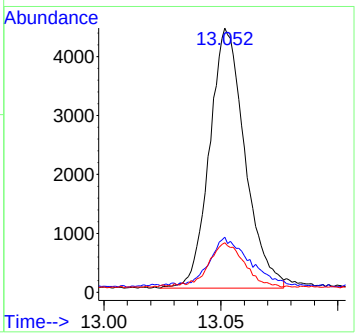


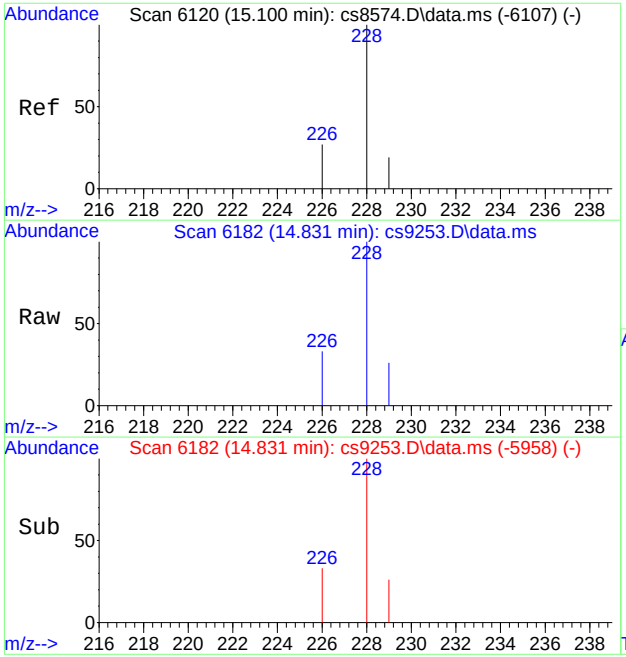


#24
Pyrene
Concen: 22.0738 ppb
RT: 13.052 min Scan# 4817
Delta R.T. -0.001 min
Lab File: cs9253.D
Acq: 24 Oct 2025 04:50 pm

Tgt Ion:202 Resp: 4639

Ion	Ratio	Lower	Upper
202	100		
203	18.1	0.0	47.0
201	17.0	0.0	46.7

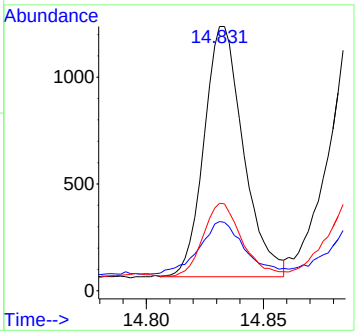


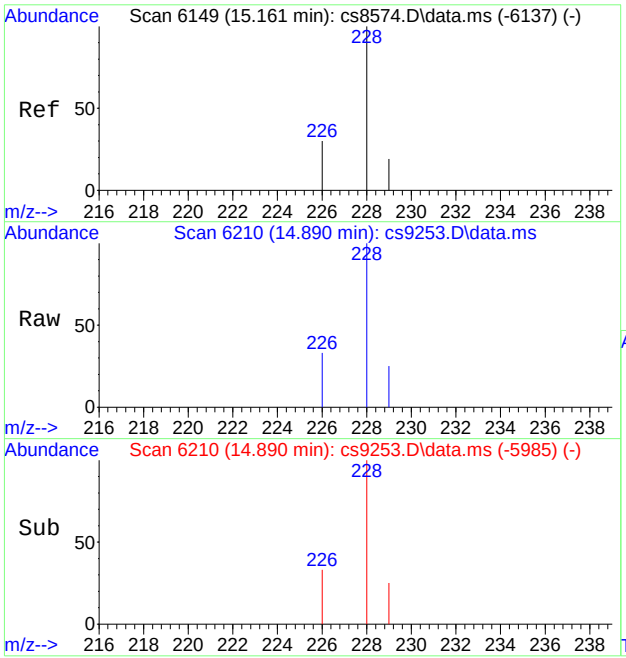


#26
Benzo[a]anthracene
Concen: 9.0479 ppb
RT: 14.831 min Scan# 6182
Delta R.T. -0.000 min
Lab File: cs9253.D
Acq: 24 Oct 2025 04:50 pm

Tgt Ion:228 Resp: 1373

Ion	Ratio	Lower	Upper
228	100		
229	20.4	0.0	49.0
226	29.1	0.0	57.2

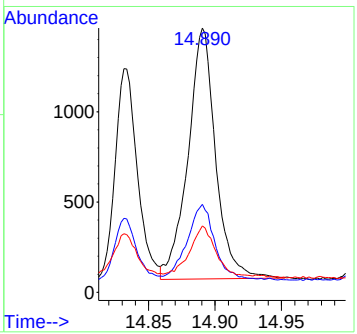




#27
Chrysene
Concen: 13.3443 ppb
RT: 14.890 min Scan# 6210
Delta R.T. -0.000 min
Lab File: cs9253.D
Acq: 24 Oct 2025 04:50 pm

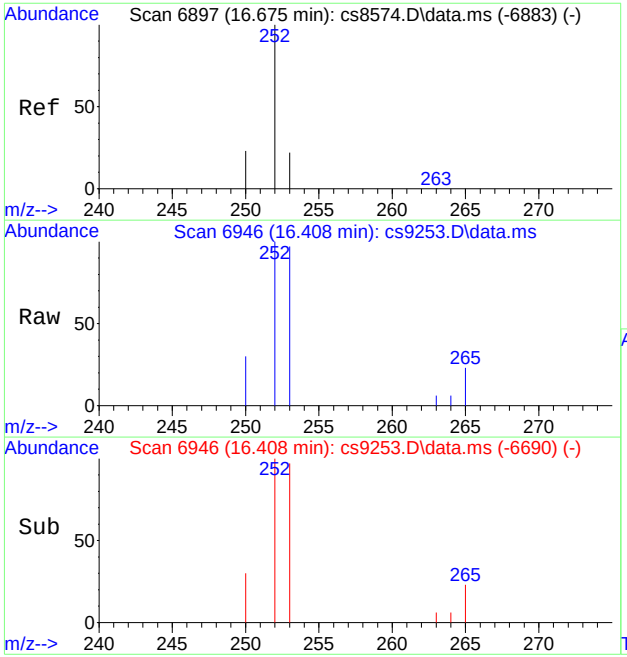
Tgt Ion:228 Resp: 2010

Ion	Ratio	Lower	Upper
228	100		
226	30.1	0.0	60.0
229	20.1	0.0	48.8



9.1.8

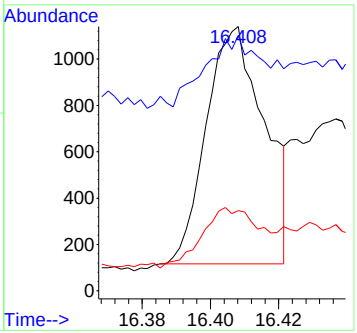
9

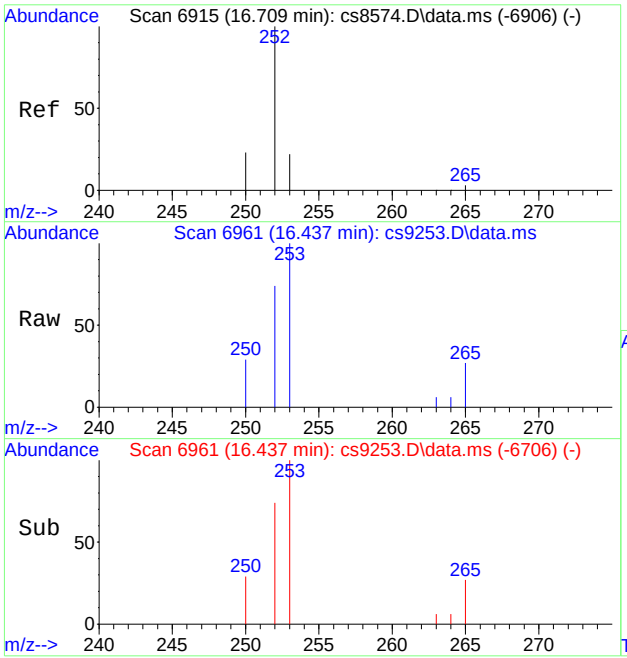


#29
Benzo[b]fluoranthene
Concen: 10.4902 ppb
RT: 16.408 min Scan# 6946
Delta R.T. 0.004 min
Lab File: cs9253.D
Acq: 24 Oct 2025 04:50 pm

Tgt Ion:252 Resp: 1214

Ion	Ratio	Lower	Upper
252	100		
253	26.4	0.0	51.5
250	20.6	0.0	53.3

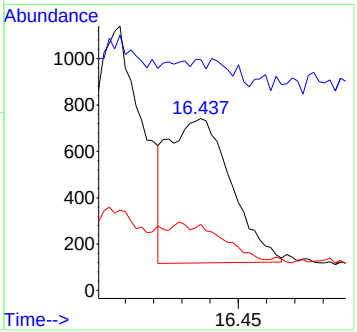


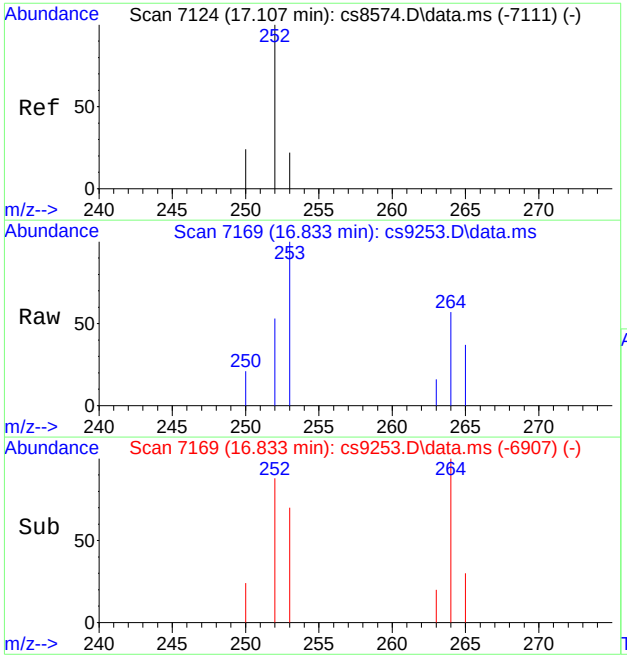


#30
Benzo[k]fluoranthene
Concen: 8.9235 ppb m
RT: 16.437 min Scan# 6961
Delta R.T. -0.002 min
Lab File: cs9253.D
Acq: 24 Oct 2025 04:50 pm

Tgt Ion:252 Resp: 963

Ion	Ratio	Lower	Upper
252	100		
253	134.2	0.0	51.5#
250	38.5	0.0	52.6

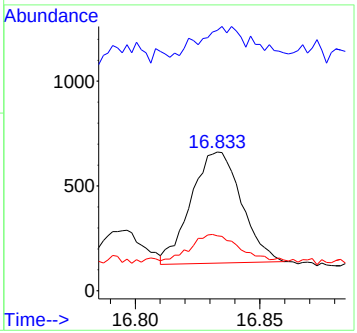


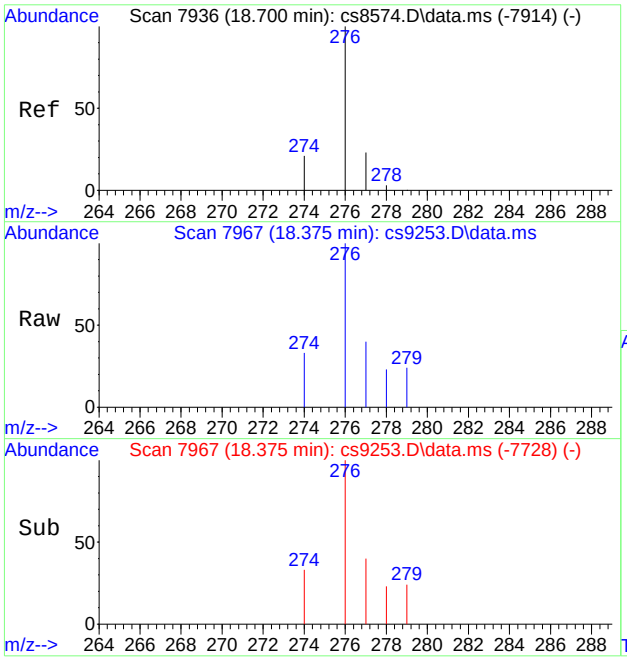


#31
Benzo[a]pyrene
Concen: 6.9425 ppb
RT: 16.833 min Scan# 7169
Delta R.T. -0.000 min
Lab File: cs9253.D
Acq: 24 Oct 2025 04:50 pm

Tgt Ion:252 Resp: 745

Ion	Ratio	Lower	Upper
252	100		
253	20.5	0.0	51.5
250	23.0	0.0	53.1

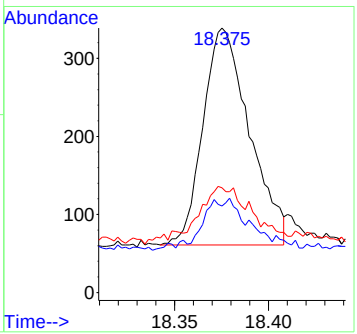


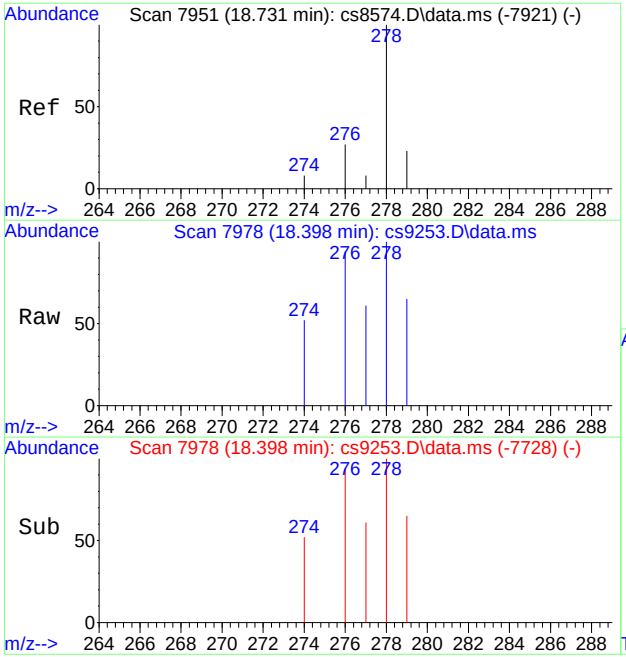


#32
Indeno[1,2,3-cd]pyrene
Concen: 5.6592 ppb
RT: 18.375 min Scan# 7967
Delta R.T. 0.010 min
Lab File: cs9253.D
Acq: 24 Oct 2025 04:50 pm

Tgt Ion:276 Resp: 479

Ion	Ratio	Lower	Upper
276	100		
274	18.8	0.0	50.8
277	23.3	0.0	53.2

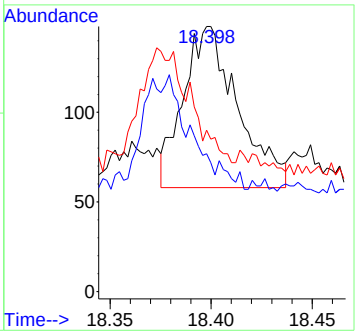


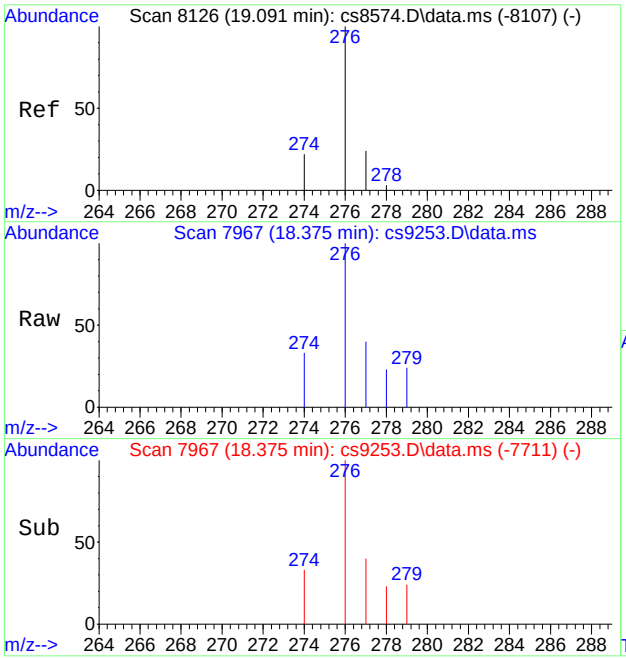


#33
Dibenz[a,h]anthracene
Concen: 2.1298 ppb m
RT: 18.398 min Scan# 7978
Delta R.T. 0.006 min
Lab File: cs9253.D
Acq: 24 Oct 2025 04:50 pm

Tgt Ion:278 Resp: 169

Ion	Ratio	Lower	Upper
278	100		
274	52.0	0.0	40.3#
277	60.8	0.0	40.4#

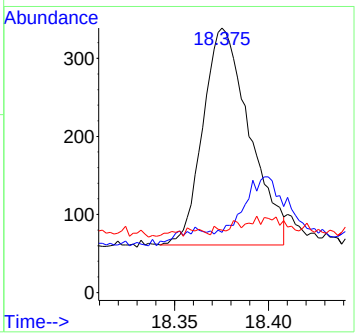




#34
Benzo[g,h,i]perylene
Concen: 5.6767 ppb
RT: 18.375 min Scan# 7967
Delta R.T. 0.010 min
Lab File: cs9253.D
Acq: 24 Oct 2025 04:50 pm

Tgt Ion:276 Resp: 479

Ion	Ratio	Lower	Upper
276	100		
278	0.0	0.0	32.2
279	0.0	0.0	30.1



Manual Integration Approval Summary

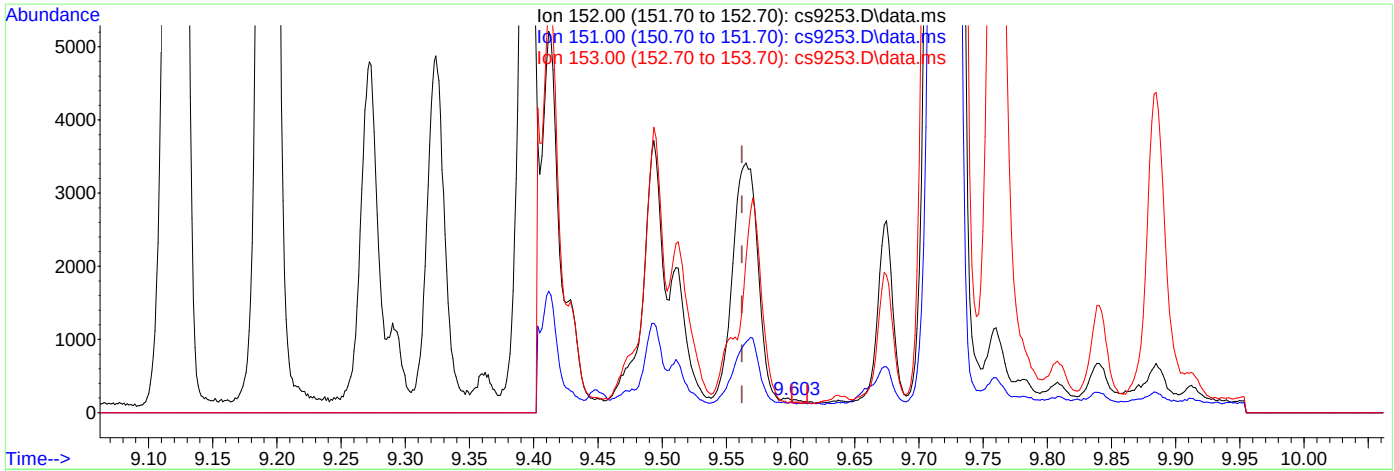
Sample Number: JE20825-3
Lab FileID: CS9253.D
Injection Time: 10/24/25 16:50
Method: SW846 8270E BY SIM
Analyst approved: 10/26/25 07:00 NeriRose Cuevas
Supervisor approved: 10/29/25 13:12 Ying Li

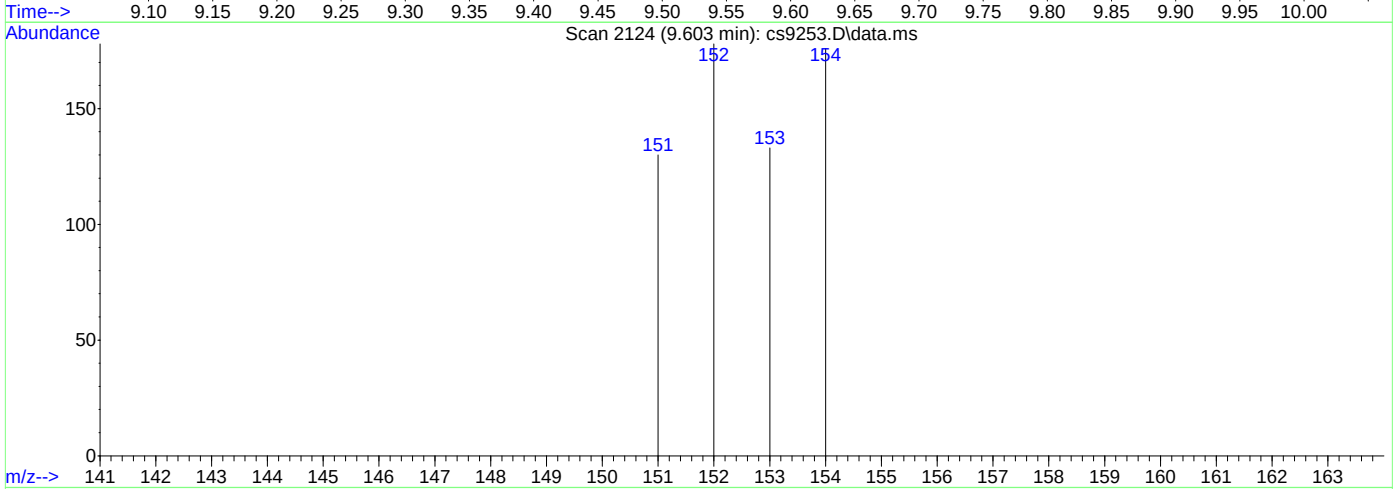
Parameter	CAS	Sig#	R.T. (min.)	Reason
Acenaphthylene	208-96-8		9.57	Poor instrument integration
Benzo(k)fluoranthene	207-08-9		16.44	Poor instrument integration
Dibenzo(a,h)anthracene	53-70-3		18.40	Poor instrument integration

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\nerirose\ecs475\
Data File : cs9253.D
Acq On : 24 Oct 2025 04:50 pm
Operator : alejanda
Sample : je20825-3 Inst : GCMS_CS
Misc : op68290a,ecs475,250,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 26 17:22:11 2025
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Sun Oct 26 17:18:53 2025
Response via : Initial Calibration





TIC: cs9253.D\data.ms

(13) Acenaphthylene (t)

9.603min (+0.041) 0.07ppb

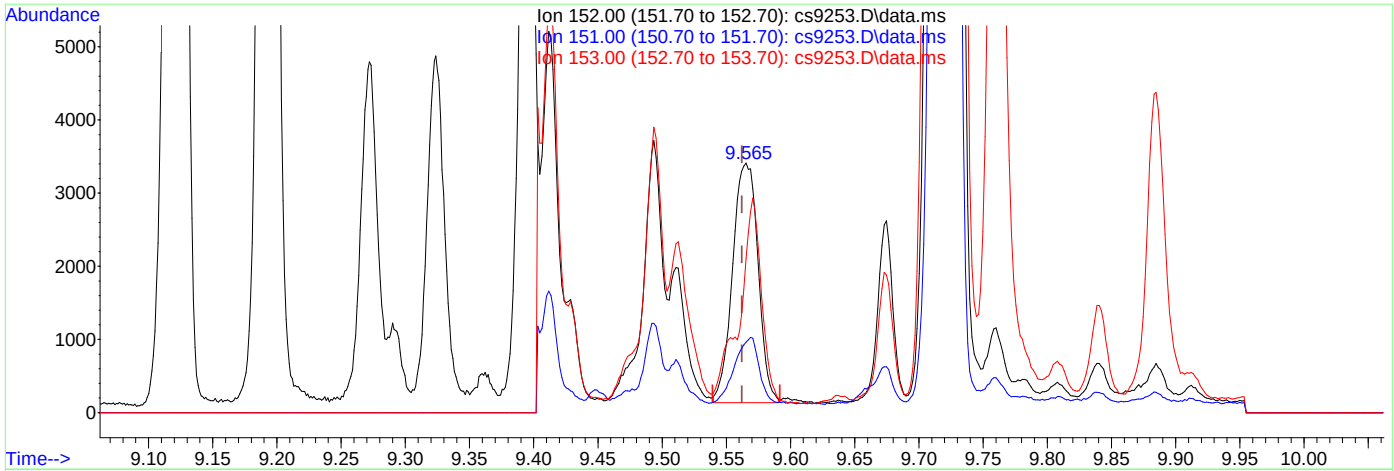
response 13

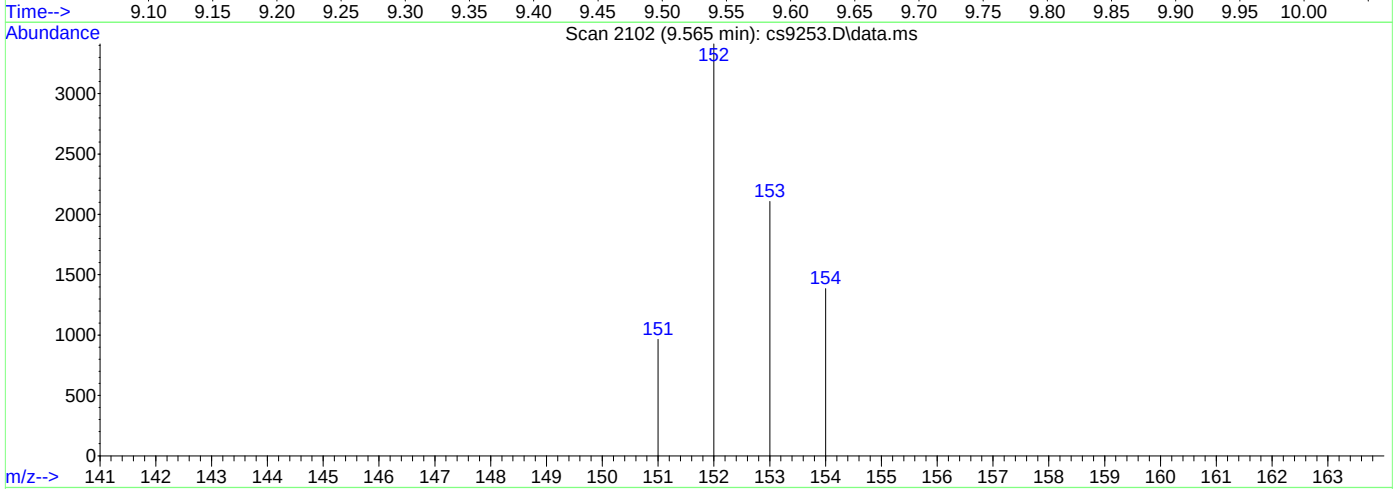
Ion	Exp%	Act%
152.00	100	100
151.00	19.10	0.00
153.00	12.90	4.44
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\nerirose\ecs475\
Data File : cs9253.D
Acq On : 24 Oct 2025 04:50 pm
Operator : alejanda
Sample : je20825-3 Inst : GCMS_CS
Misc : op68290a,ecs475,250,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 26 17:22:11 2025
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Sun Oct 26 17:18:53 2025
Response via : Initial Calibration





TIC: cs9253.D\data.ms

(13) Acenaphthylene (t)

9.565min (+0.003) 23.92ppb m

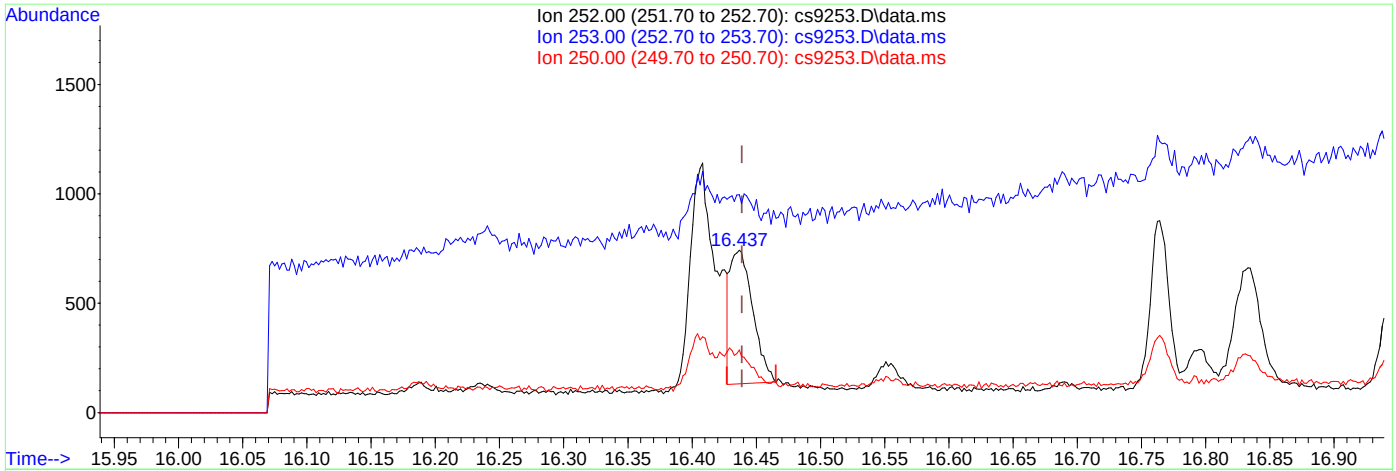
response 4503

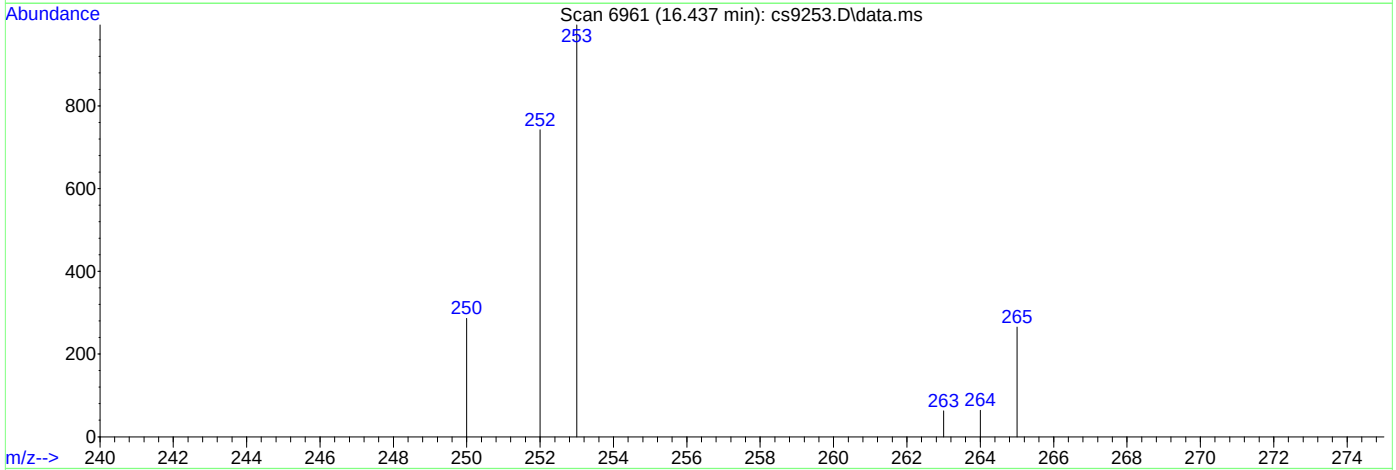
Ion	Exp%	Act%
152.00	100	100
151.00	19.10	28.24
153.00	12.90	61.71#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\nerirose\ecs475\
Data File : cs9253.D
Acq On : 24 Oct 2025 04:50 pm
Operator : alejanda
Sample : je20825-3 Inst : GCMS_CS
Misc : op68290a,ecs475,250,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 26 17:22:11 2025
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Sun Oct 26 17:18:53 2025
Response via : Initial Calibration





TIC: cs9253.D\data.ms

(30) Benzo[k]fluoranthene (t)

16.437min (-0.002) 6.93ppb

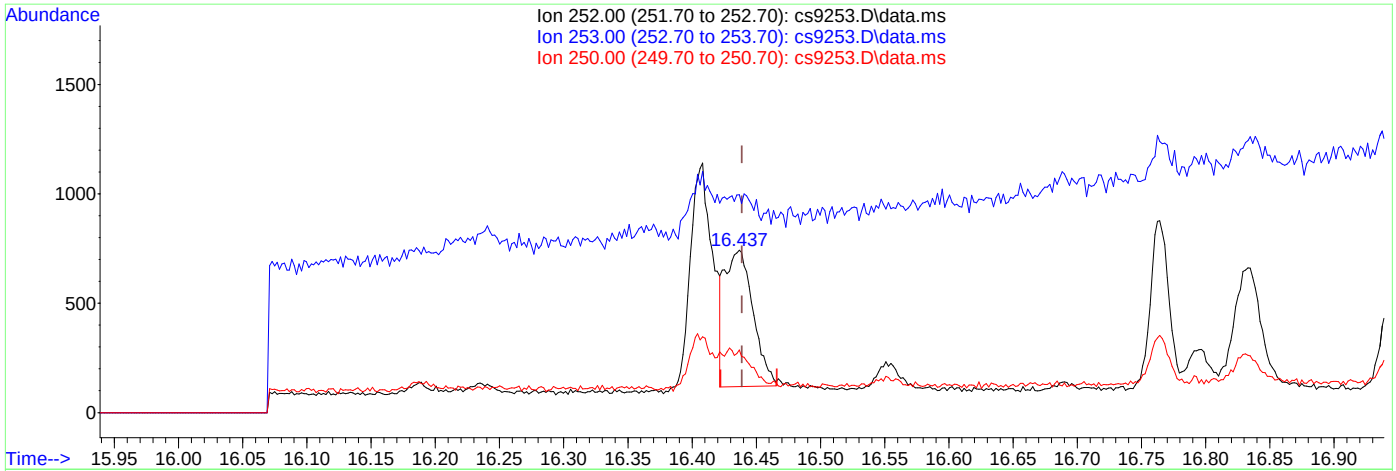
response 748

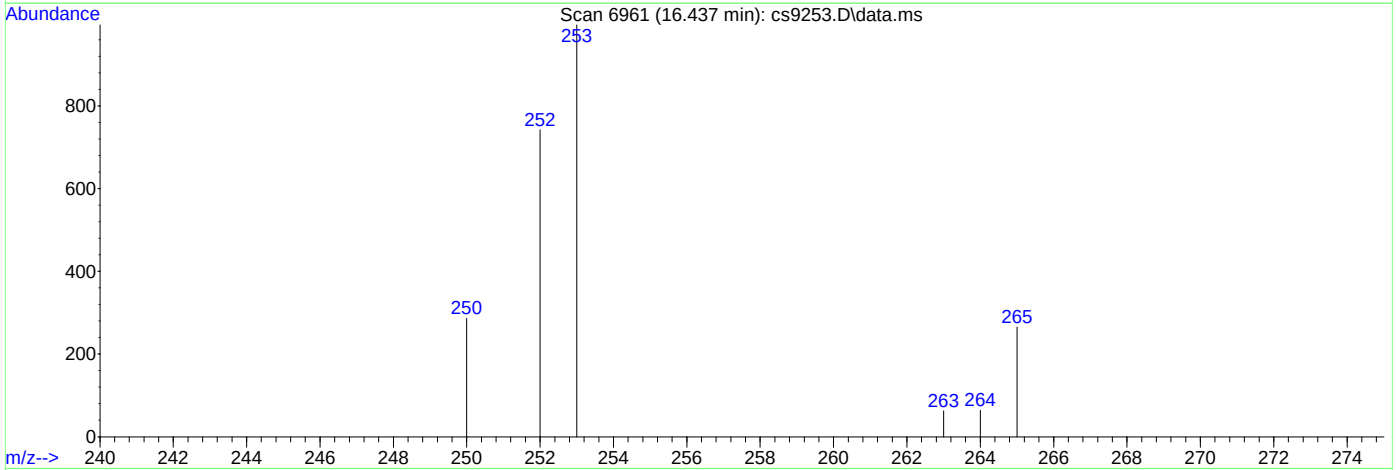
Ion	Exp%	Act%
252.00	100	100
253.00	21.50	18.05
250.00	22.60	22.28
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\nerirose\ecs475\
Data File : cs9253.D
Acq On : 24 Oct 2025 04:50 pm
Operator : alejanda
Sample : je20825-3 Inst : GCMS_CS
Misc : op68290a,ecs475,250,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 26 17:22:11 2025
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Sun Oct 26 17:18:53 2025
Response via : Initial Calibration





TIC: cs9253.D\data.ms

(30) Benzo[k]fluoranthene (t)

16.437min (-0.002) 8.92ppb m

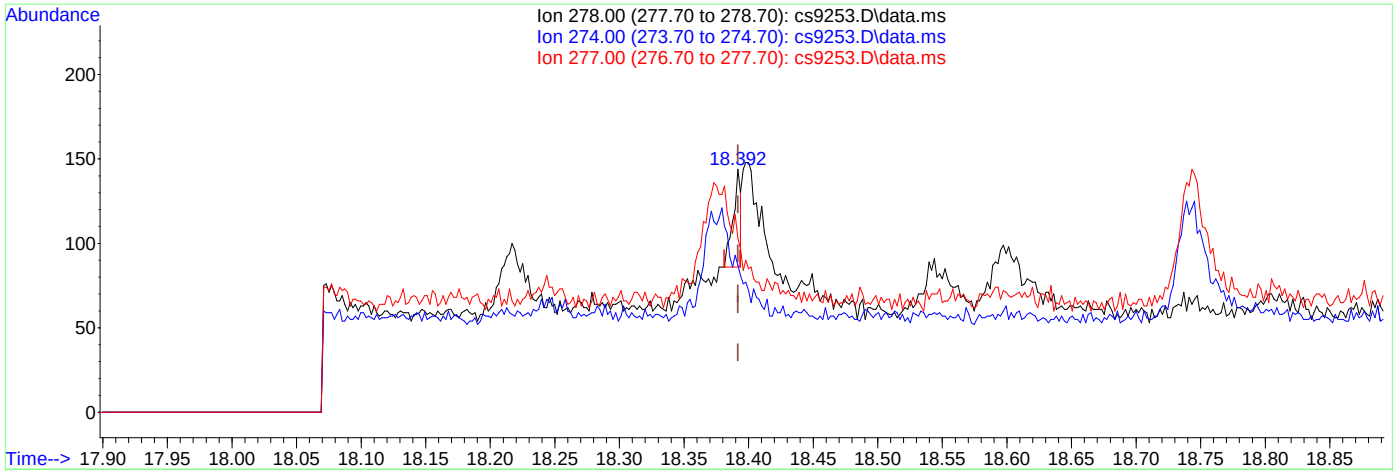
response 963

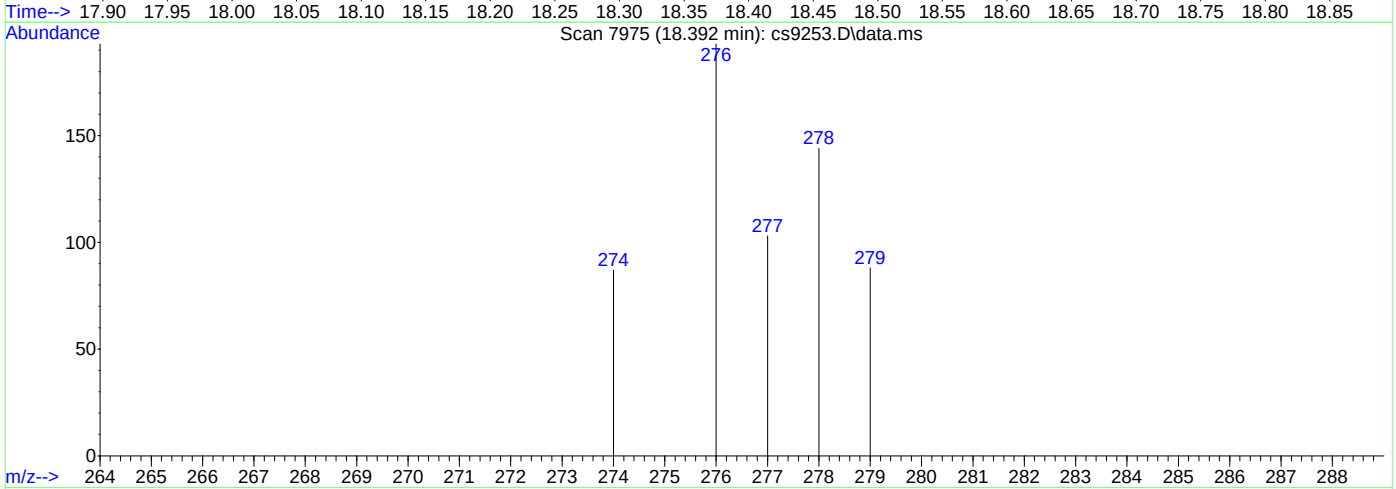
Ion	Exp%	Act%
252.00	100	100
253.00	21.50	134.23#
250.00	22.60	38.54
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\nerirose\ecs475\
Data File : cs9253.D
Acq On : 24 Oct 2025 04:50 pm
Operator : alejanda
Sample : je20825-3 Inst : GCMS_CS
Misc : op68290a,ecs475,250,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 26 17:22:11 2025
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Sun Oct 26 17:18:53 2025
Response via : Initial Calibration





TIC: cs9253.D\data.ms

(33) Dibenz[a,h]anthracene (t)

18.392min (-0.000) 0.30ppb

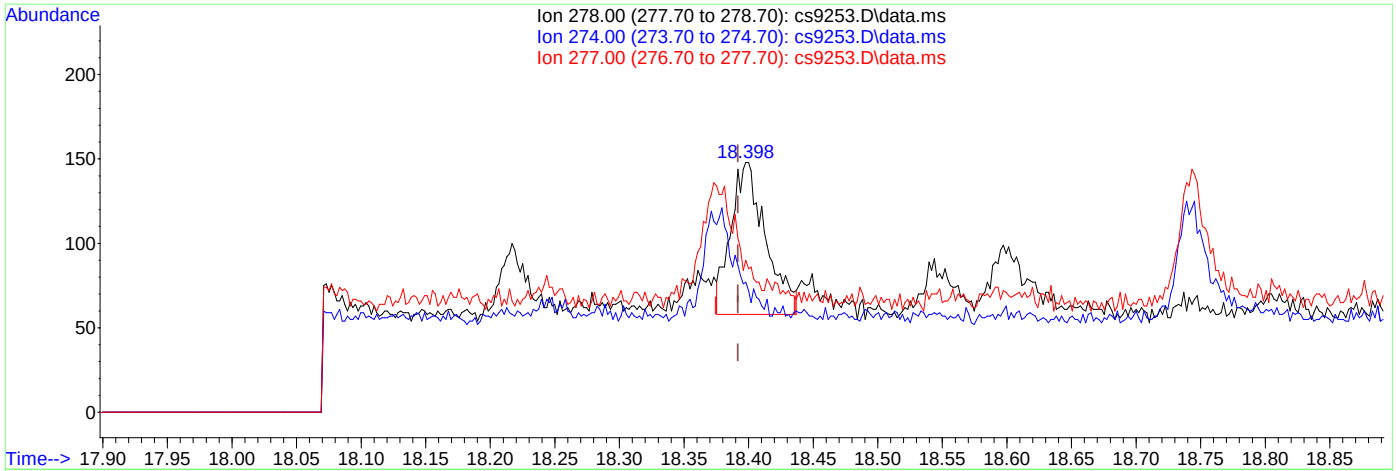
response 24

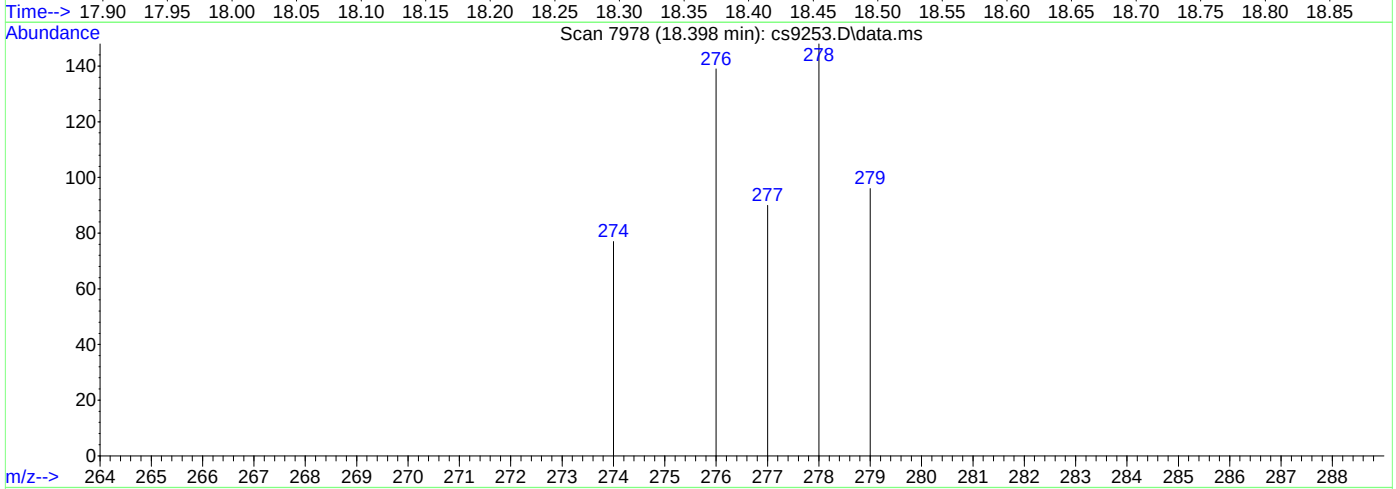
Ion	Exp%	Act%
278.00	100	100
274.00	10.30	0.00
277.00	10.40	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\nerirose\ecs475\
Data File : cs9253.D
Acq On : 24 Oct 2025 04:50 pm
Operator : alejanda
Sample : je20825-3 Inst : GCMS_CS
Misc : op68290a,ecs475,250,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 26 17:22:11 2025
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Sun Oct 26 17:18:53 2025
Response via : Initial Calibration





TIC: cs9253.D\data.ms

(33) Dibenz[a,h]anthracene (t)

18.398min (+0.006) 2.13ppb m

response 169

Ion	Exp%	Act%
278.00	100	100
274.00	10.30	52.03#
277.00	10.40	60.81#
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Jon Kreigmor Mamanta 10/26/25 22:09

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\alodiab\ECS468\
Data File : cs9069.D
Acq On : 16 Oct 2025 06:20 pm
Operator : alejanda
Sample : je20825-4 Inst : GCMS_CS
Misc : op68138a,ecs468,250,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 17 12:11:54 2025
Quant Method : X:\Dayton SVOA GCMS\alodiab\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Fri Oct 17 11:54:32 2025
Response via : Initial Calibration

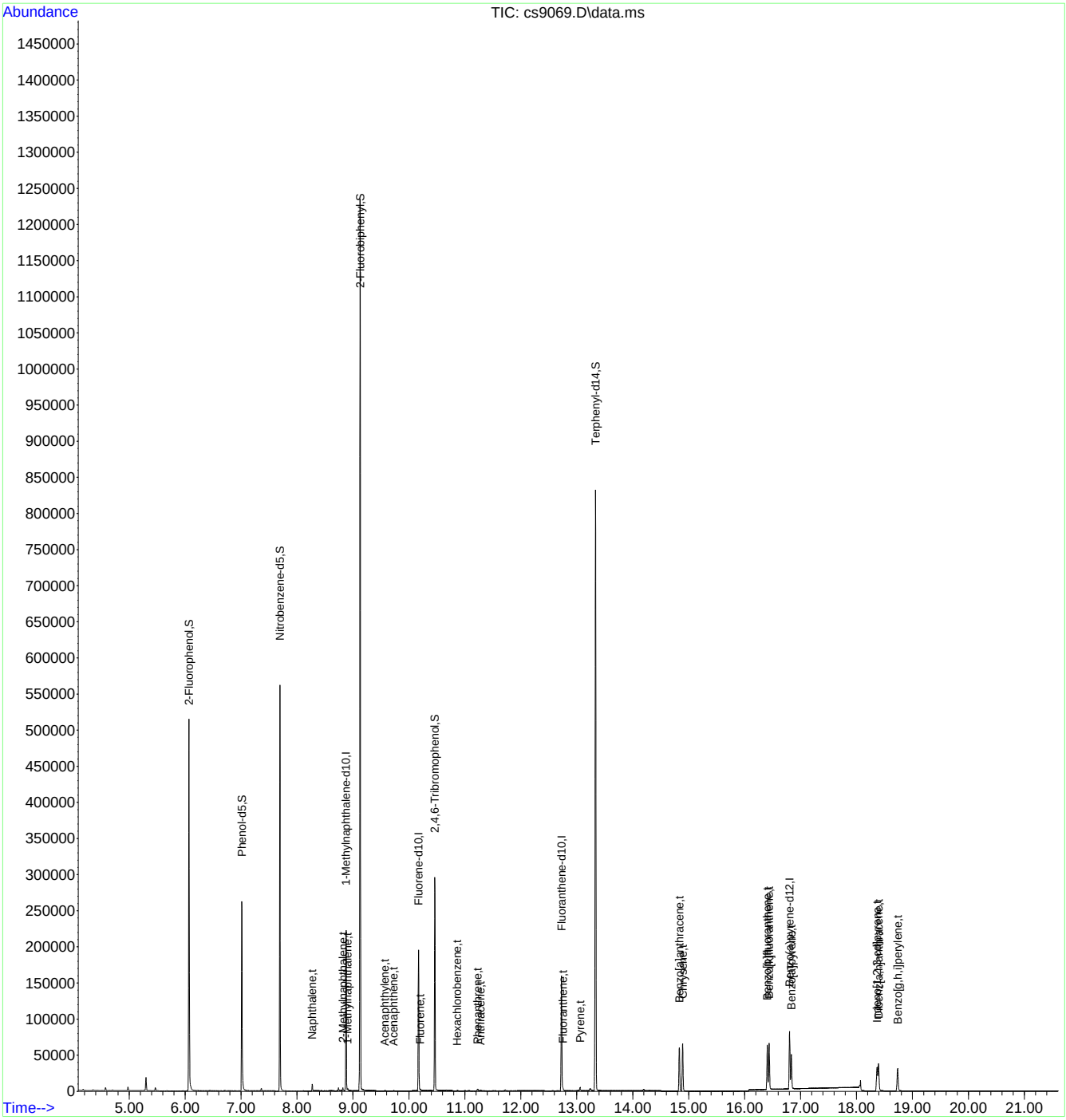
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	8.876	150	66126	800.00	ppb	0.00
11) Fluorene-d10	10.172	176	81219	800.00	ppb	0.00
18) Fluoranthene-d10	12.727	212	117990	800.00	ppb	0.00
28) Benzo(a)pyrene-d12	16.802	264	61866	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	6.069	112	237224	3744.06	ppb	0.00
Spiked Amount 10000.000			Recovery =	37.44%		
4) Phenol-d5	7.011	99	209760	2803.74	ppb	0.00
Spiked Amount 10000.000			Recovery =	28.04%		
6) Nitrobenzene-d5	7.694	82	279435	4526.42	ppb	0.00
Spiked Amount 10000.000			Recovery =	45.26%		
12) 2-Fluorobiphenyl	9.129	172	565436	4295.03	ppb	0.00
Spiked Amount 10000.000			Recovery =	42.95%		
17) 2,4,6-Tribromophenol	10.462	330	100566	7445.68	ppb	0.00
Spiked Amount 10000.000			Recovery =	74.46%		
25) Terphenyl-d14	13.336	244	588346	6951.22	ppb	0.00
Spiked Amount 10000.000			Recovery =	69.51%		
Target Compounds						Qvalue
7) Naphthalene	8.273	128	6032	25.4133	ppb	99
9) 2-Methylnaphthalene	8.820	141	1354	10.2719	ppb	97
10) 1-Methylnaphthalene	8.904	141	737	5.8764	ppb	95
13) Acenaphthylene	9.566	152	408	2.0553	ppb	99
14) Acenaphthene	9.727	153	307	2.2226	ppb	97
15) Fluorene	10.201	166	660	4.1856	ppb	94
19) Hexachlorobenzene	10.861	284	152	3.7766	ppb	94
21) Phenanthrene	11.226	178	1634m	7.8081	ppb	
22) Anthracene	11.278	178	939	4.8661	ppb	97
23) Fluoranthene	12.753	202	2787	12.6871	ppb	96
24) Pyrene	13.058	202	3369	15.0953	ppb	96
26) Benzo[a]anthracene	14.833	228	41945	260.2842	ppb	99
27) Chrysene	14.893	228	47052	294.1474	ppb	100
29) Benzo[b]fluoranthene	16.406	252	45245	334.6556	ppb	99
30) Benzo[k]fluoranthene	16.437	252	46999	372.7866	ppb	99
31) Benzo[a]pyrene	16.835	252	35763	285.2721	ppb	99
32) Indeno[1,2,3-cd]pyrene	18.365	276	31839m	321.9894	ppb	
33) Dibenz[a,h]anthracene	18.394	278	32365	349.1364	ppb	99
34) Benzo[g,h,i]perylene	18.733	276	30307	307.4436	ppb	100

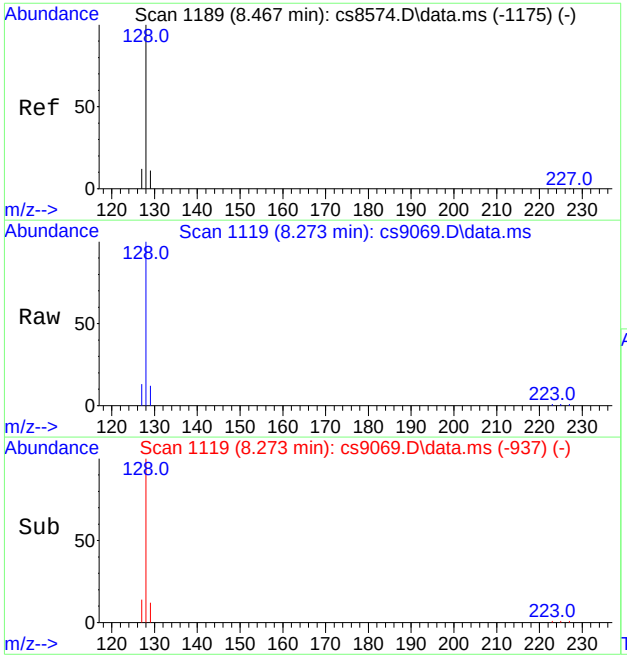
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\alodiab\ECS468\
Data File : cs9069.D
Acq On : 16 Oct 2025 06:20 pm
Operator : alejanda
Sample : je20825-4 Inst : GCMS_CS
Misc : op68138a,ecs468,250,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 17 12:11:54 2025
Quant Method : X:\Dayton SVOA GCMS\alodiab\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Fri Oct 17 11:54:32 2025
Response via : Initial Calibration

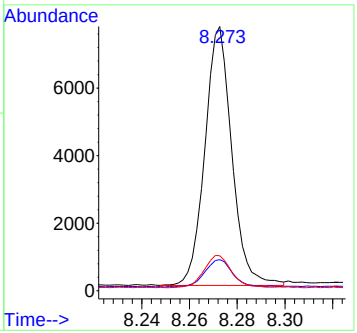


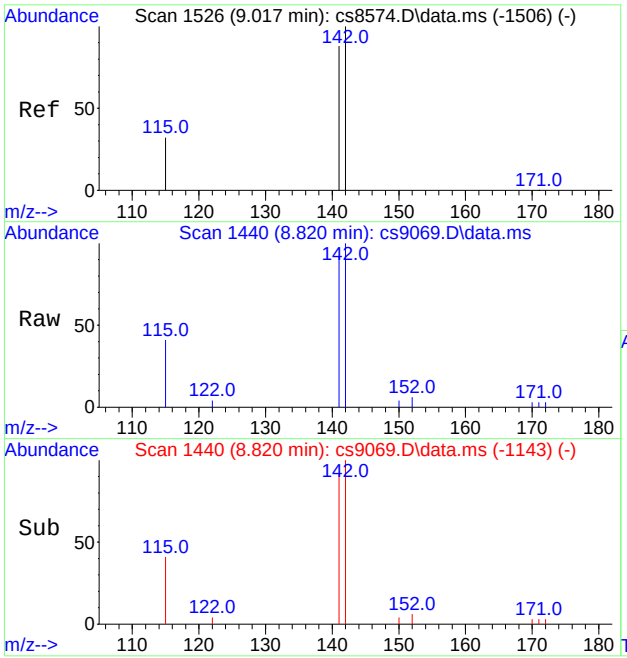


#7
Naphthalene
Concen: 25.4133 ppb
RT: 8.273 min Scan# 1119
Delta R.T. 0.000 min
Lab File: cs9069.D
Acq: 16 Oct 2025 06:20 pm

Tgt Ion:128 Resp: 6032

Ion	Ratio	Lower	Upper
128	100		
129	10.4	0.0	40.8
127	12.2	0.0	42.5

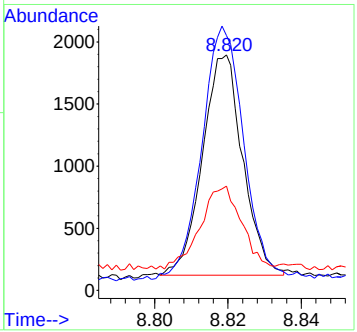


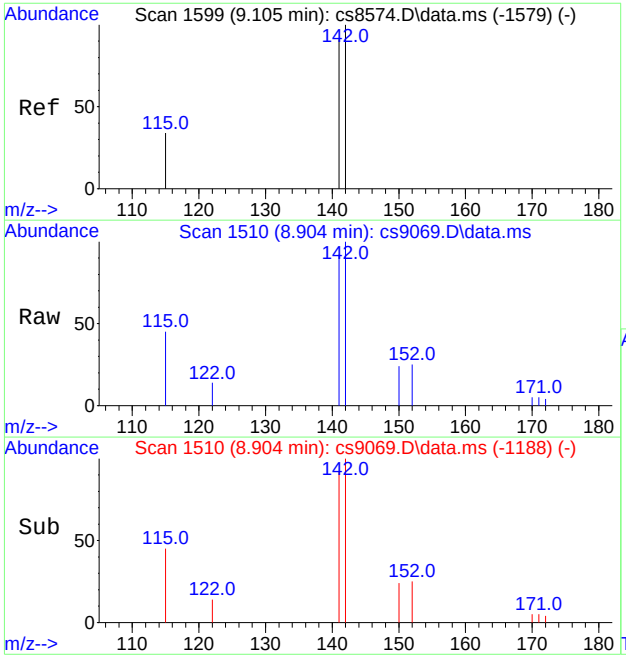


#9
2-Methylnaphthalene
Concen: 10.2719 ppb
RT: 8.820 min Scan# 1440
Delta R.T. 0.000 min
Lab File: cs9069.D
Acq: 16 Oct 2025 06:20 pm

Tgt Ion:141 Resp: 1354

Ion	Ratio	Lower	Upper
141	100		
142	108.7	82.9	142.9
115	36.2	6.4	66.4

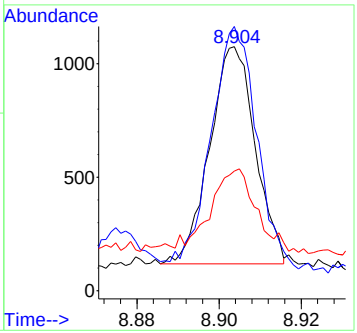


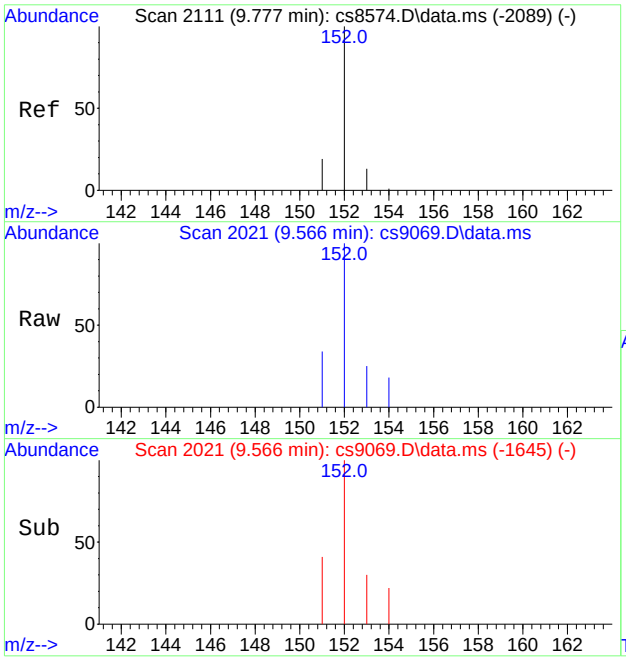


#10
1-Methylnaphthalene
Concen: 5.8764 ppb
RT: 8.904 min Scan# 1510
Delta R.T. -0.001 min
Lab File: cs9069.D
Acq: 16 Oct 2025 06:20 pm

Tgt Ion:141 Resp: 737

Ion	Ratio	Lower	Upper
141	100		
142	107.2	82.8	142.8
115	34.1	7.0	67.0

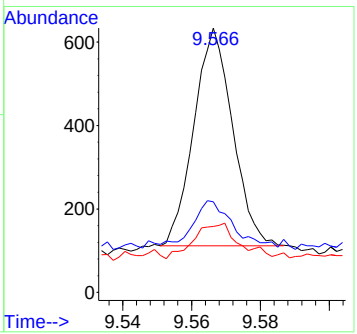


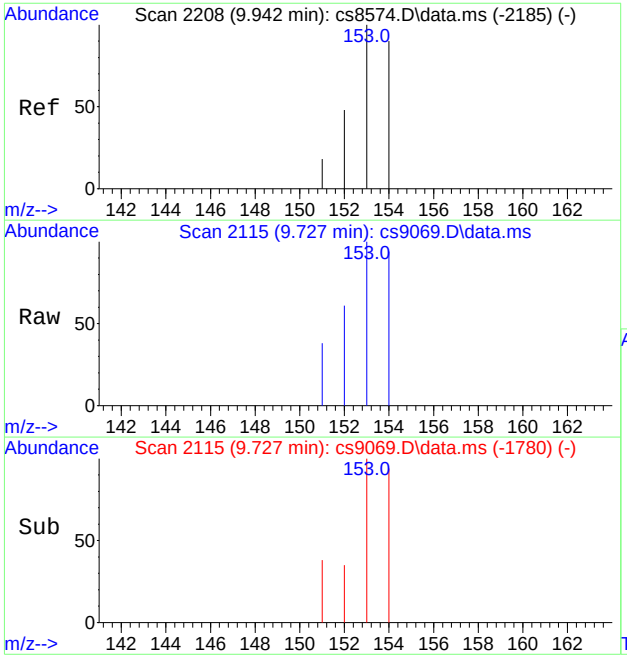


#13
Acenaphthylene
Concen: 2.0553 ppb
RT: 9.566 min Scan# 2021
Delta R.T. 0.000 min
Lab File: cs9069.D
Acq: 16 Oct 2025 06:20 pm

Tgt Ion:152 Resp: 408

Ion	Ratio	Lower	Upper
152	100		
151	18.4	0.0	49.3
153	12.7	0.0	42.8

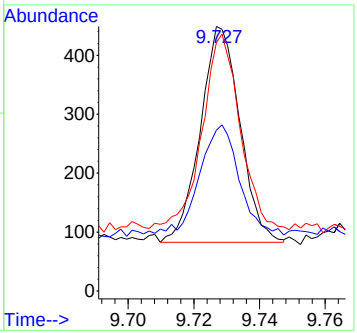


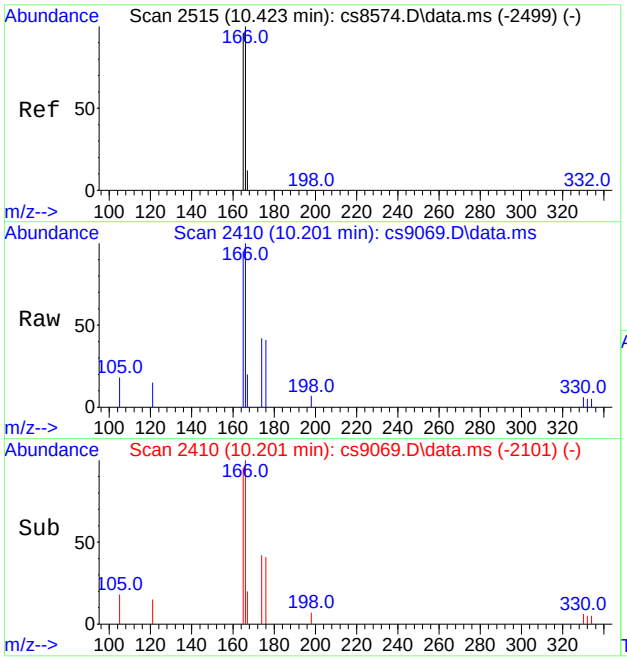


#14
Acenaphthene
Concen: 2.2226 ppb
RT: 9.727 min Scan# 2115
Delta R.T. -0.002 min
Lab File: cs9069.D
Acq: 16 Oct 2025 06:20 pm

Tgt Ion:153 Resp: 307

Ion	Ratio	Lower	Upper
153	100		
152	47.5	17.9	77.9
154	85.2	59.2	119.2

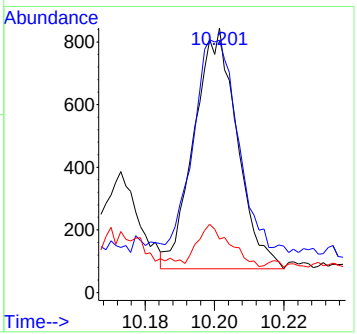


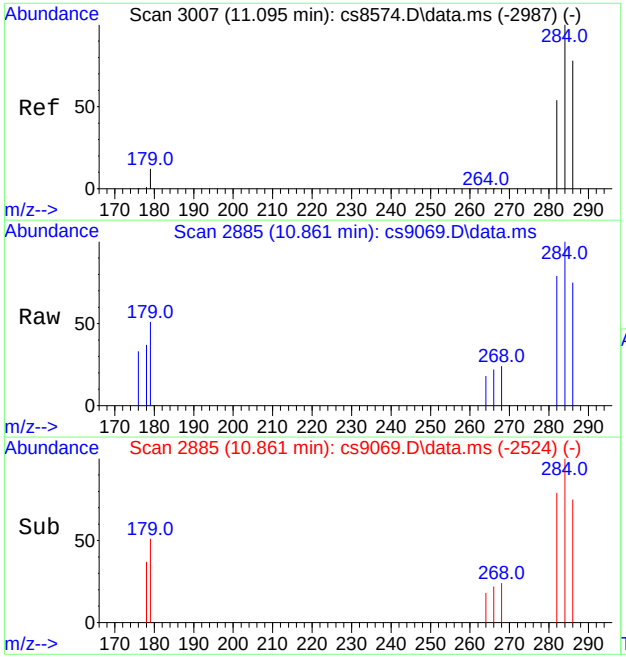


#15
Fluorene
Concen: 4.1856 ppb
RT: 10.201 min Scan# 2410
Delta R.T. -0.001 min
Lab File: cs9069.D
Acq: 16 Oct 2025 06:20 pm

Tgt Ion:166 Resp: 660

Ion	Ratio	Lower	Upper
166	100		
165	88.1	64.1	124.1
167	10.3	0.0	42.6

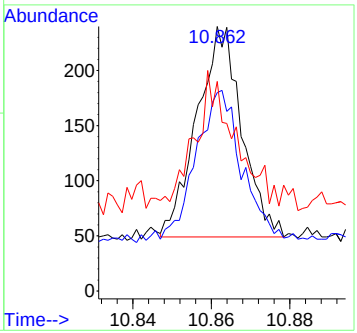


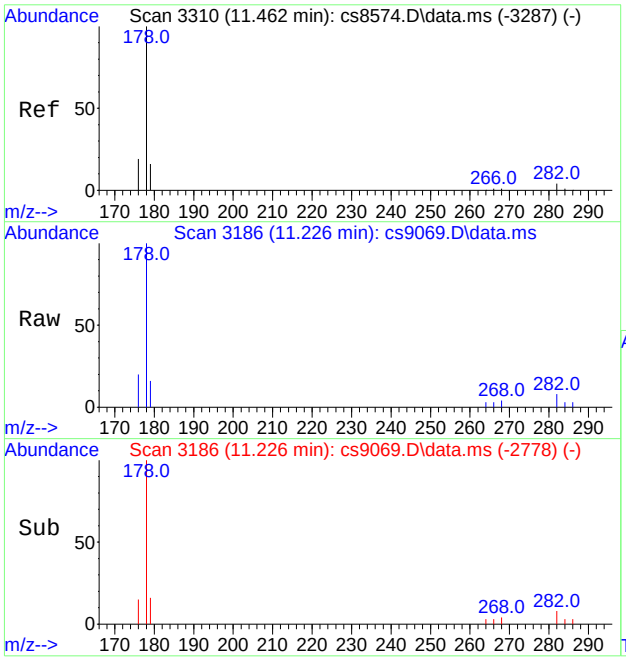


#19
Hexachlorobenzene
Concen: 3.7766 ppb
RT: 10.861 min Scan# 2885
Delta R.T. -0.002 min
Lab File: cs9069.D
Acq: 16 Oct 2025 06:20 pm

Tgt Ion:284 Resp: 152

Ion	Ratio	Lower	Upper
284	100		
286	69.9	45.4	105.4
282	53.3	19.7	79.7

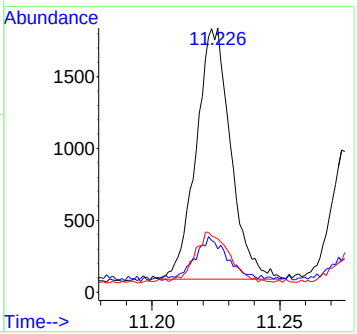


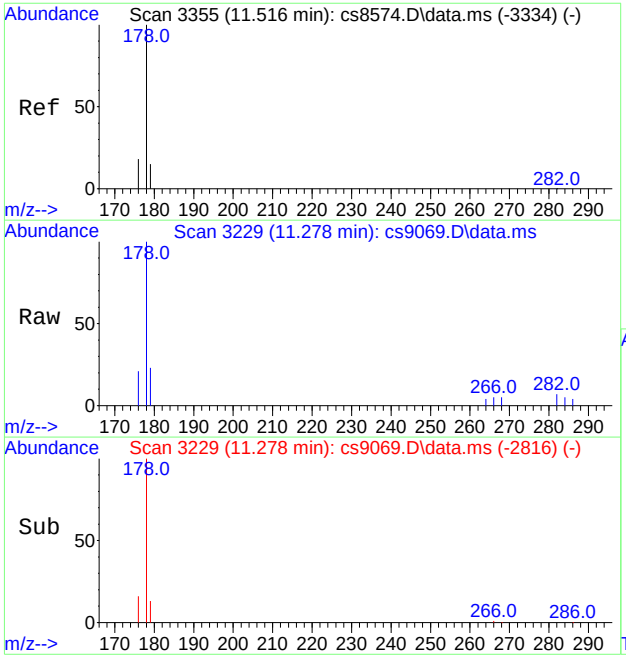


#21
Phenanthrene
Concen: 7.8081 ppb m
RT: 11.226 min Scan# 3186
Delta R.T. 0.000 min
Lab File: cs9069.D
Acq: 16 Oct 2025 06:20 pm

Tgt Ion:178 Resp: 1634

Ion	Ratio	Lower	Upper
178	100		
179	16.5	0.0	44.6
176	20.2	0.0	49.0

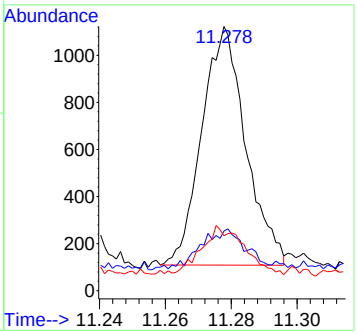


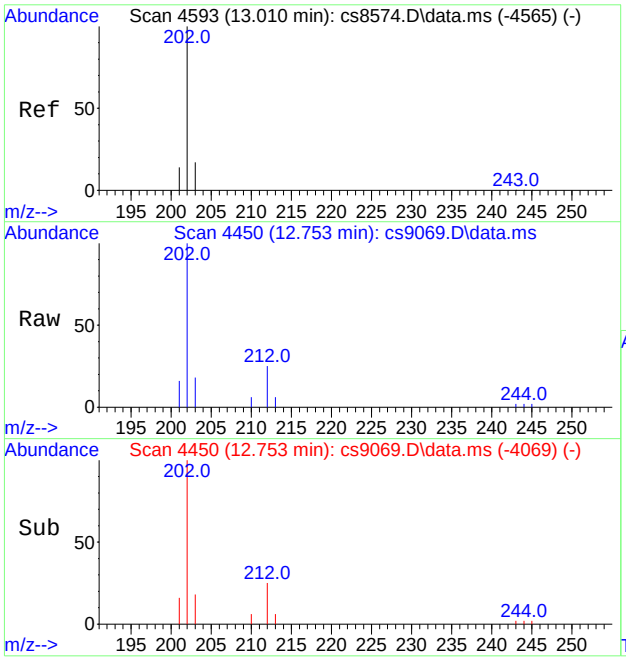


#22
Anthracene
Concen: 4.8661 ppb
RT: 11.278 min Scan# 3229
Delta R.T. 0.000 min
Lab File: cs9069.D
Acq: 16 Oct 2025 06:20 pm

Tgt Ion:178 Resp: 939

Ion	Ratio	Lower	Upper
178	100		
179	14.7	0.0	45.0
176	15.6	0.0	48.1

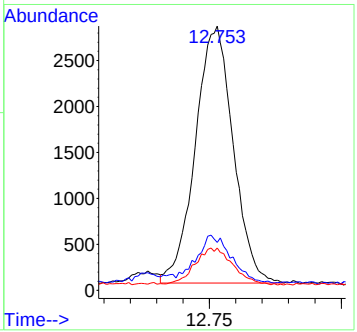


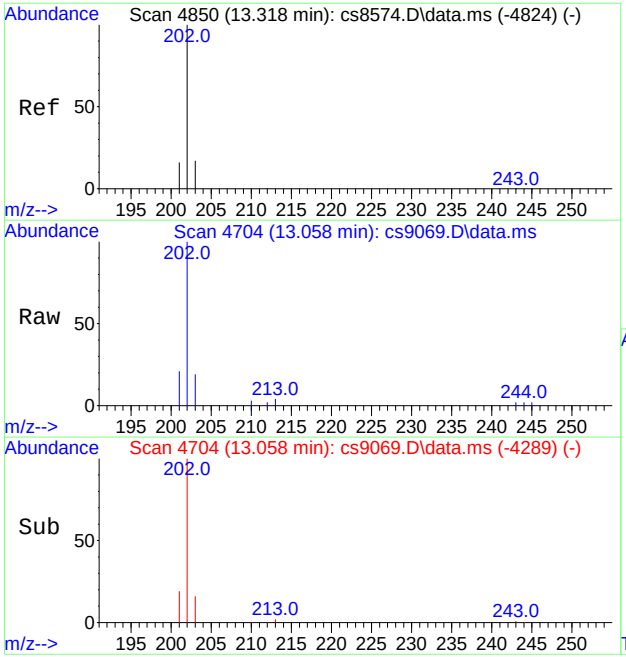


#23
Fluoranthene
Concen: 12.6871 ppb
RT: 12.753 min Scan# 4450
Delta R.T. -0.002 min
Lab File: cs9069.D
Acq: 16 Oct 2025 06:20 pm

Tgt Ion:202 Resp: 2787

Ion	Ratio	Lower	Upper
202	100		
203	14.7	0.0	46.8
201	14.4	0.0	43.6

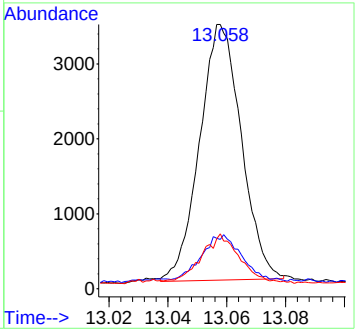


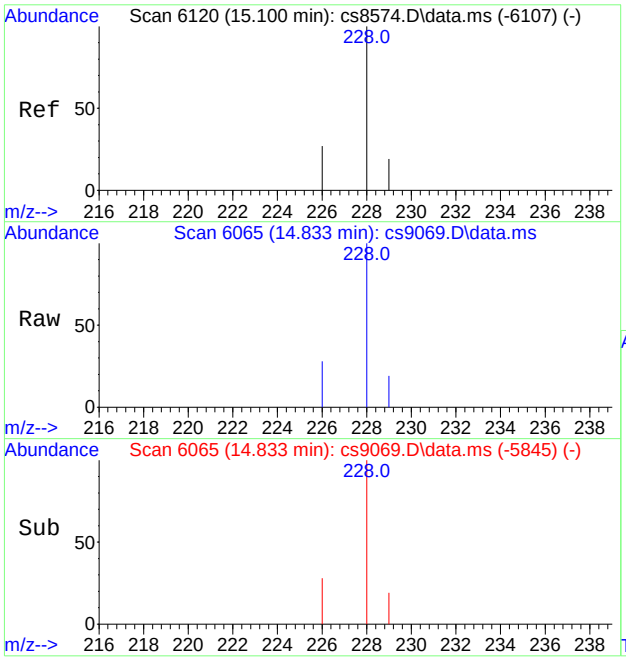


#24
Pyrene
Concen: 15.0953 ppb
RT: 13.058 min Scan# 4704
Delta R.T. -0.002 min
Lab File: cs9069.D
Acq: 16 Oct 2025 06:20 pm

Tgt Ion:202 Resp: 3369

Ion	Ratio	Lower	Upper
202	100		
203	16.0	0.0	46.8
201	18.7	0.0	46.3

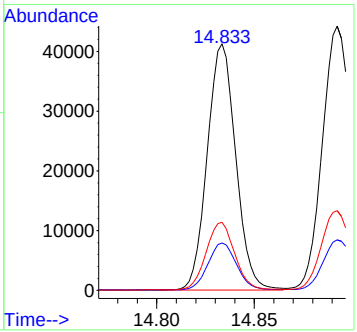


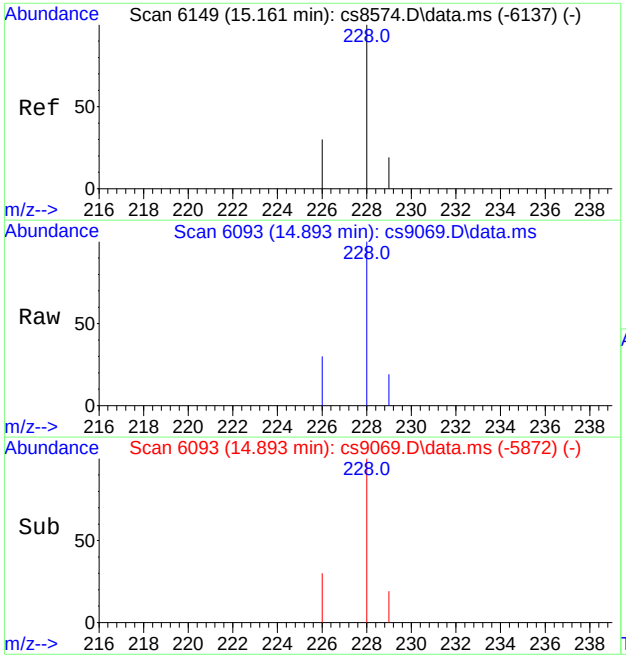


#26
Benzo[a]anthracene
Concen: 260.2842 ppb
RT: 14.833 min Scan# 6065
Delta R.T. -0.004 min
Lab File: cs9069.D
Acq: 16 Oct 2025 06:20 pm

Tgt Ion:228 Resp: 41945

Ion	Ratio	Lower	Upper
228	100		
229	19.1	0.0	49.3
226	27.4	0.0	57.0

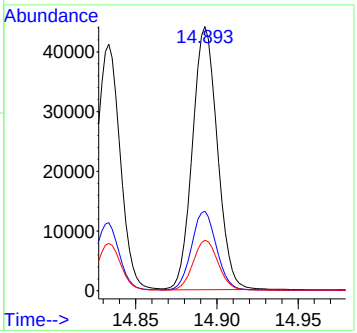


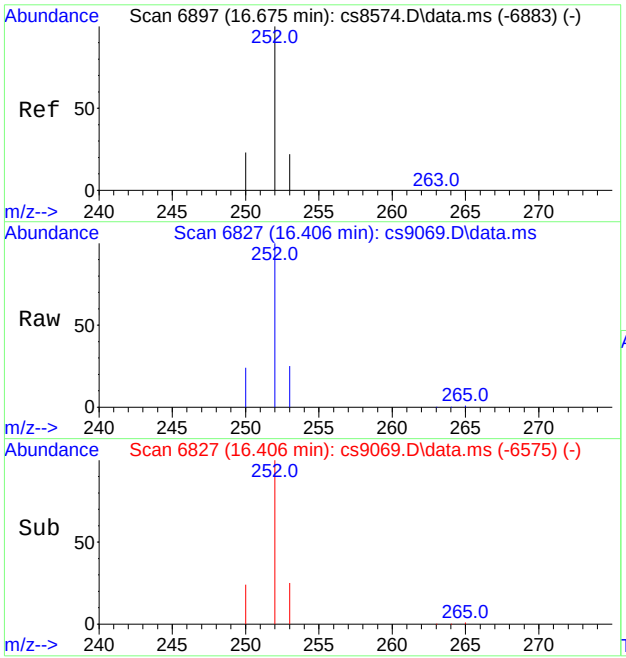


#27
Chrysene
Concen: 294.1474 ppb
RT: 14.893 min Scan# 6093
Delta R.T. -0.004 min
Lab File: cs9069.D
Acq: 16 Oct 2025 06:20 pm

Tgt Ion:228 Resp: 47052

Ion	Ratio	Lower	Upper
228	100		
226	30.0	0.0	60.0
229	18.9	0.0	49.2

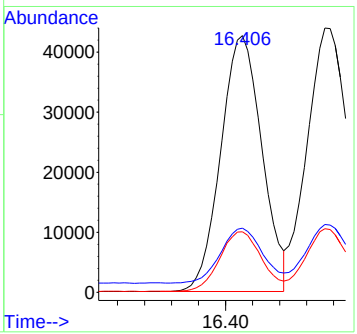


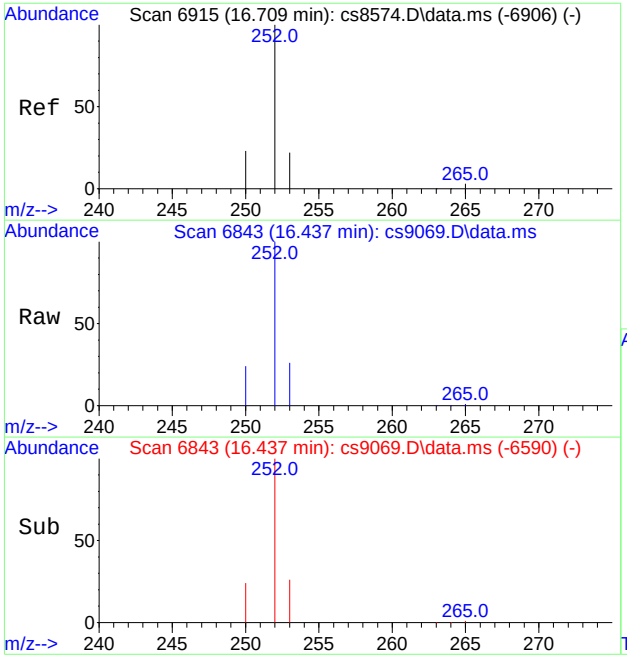


#29
Benzo[b]fluoranthene
Concen: 334.6556 ppb
RT: 16.406 min Scan# 6827
Delta R.T. -0.003 min
Lab File: cs9069.D
Acq: 16 Oct 2025 06:20 pm

Tgt Ion:252 Resp: 45245

Ion	Ratio	Lower	Upper
252	100		
253	21.1	0.0	51.4
250	23.0	0.0	53.5

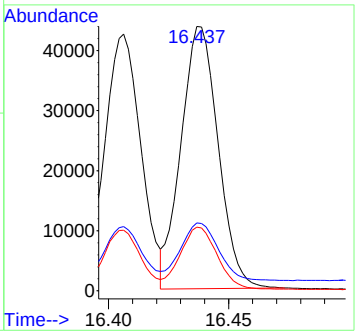


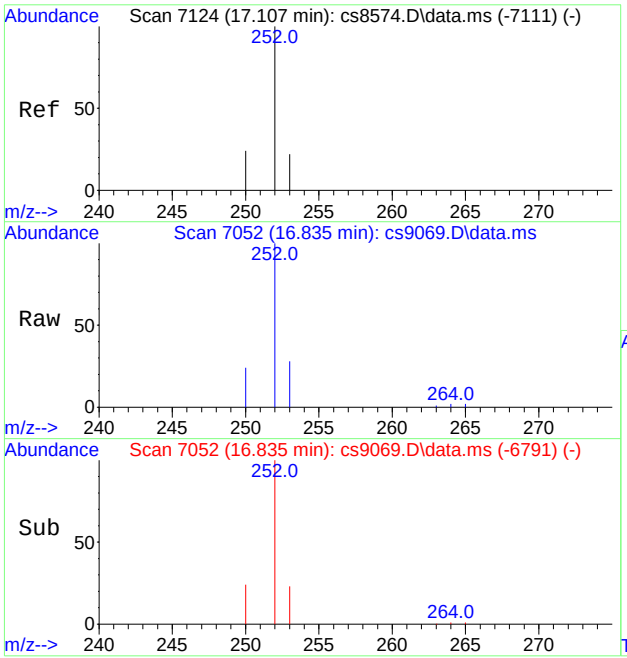


#30
Benzo[k]fluoranthene
Concen: 372.7866 ppb
RT: 16.437 min Scan# 6843
Delta R.T. -0.005 min
Lab File: cs9069.D
Acq: 16 Oct 2025 06:20 pm

Tgt Ion:252 Resp: 46999

Ion	Ratio	Lower	Upper
252	100		
253	21.9	0.0	51.6
250	23.6	0.0	52.9

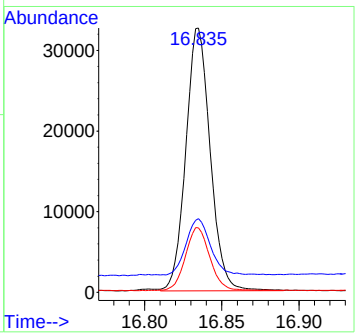


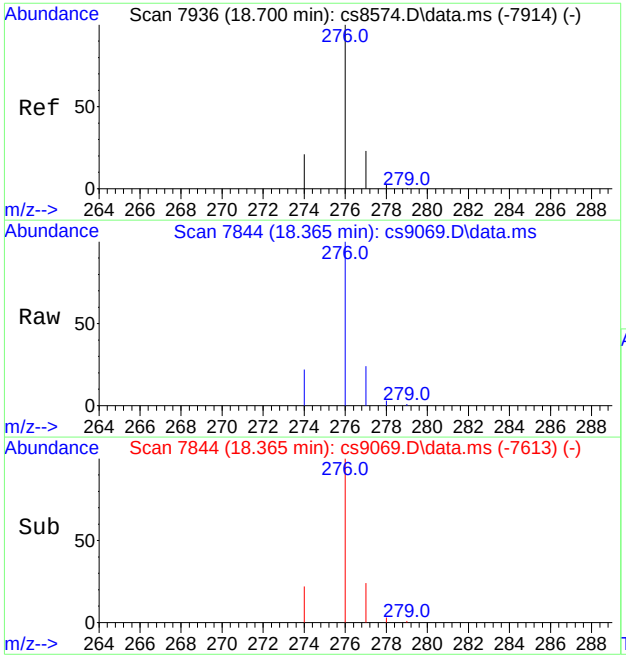


#31
Benzo[a]pyrene
Concen: 285.2721 ppb
RT: 16.835 min Scan# 7052
Delta R.T. -0.003 min
Lab File: cs9069.D
Acq: 16 Oct 2025 06:20 pm

Tgt Ion:252 Resp: 35763

Ion	Ratio	Lower	Upper
252	100		
253	21.4	0.0	51.6
250	23.8	0.0	54.2

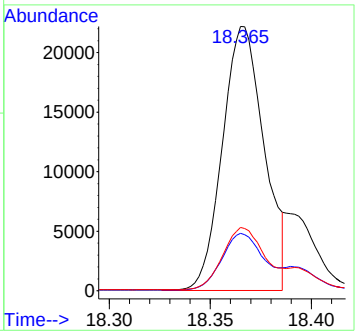


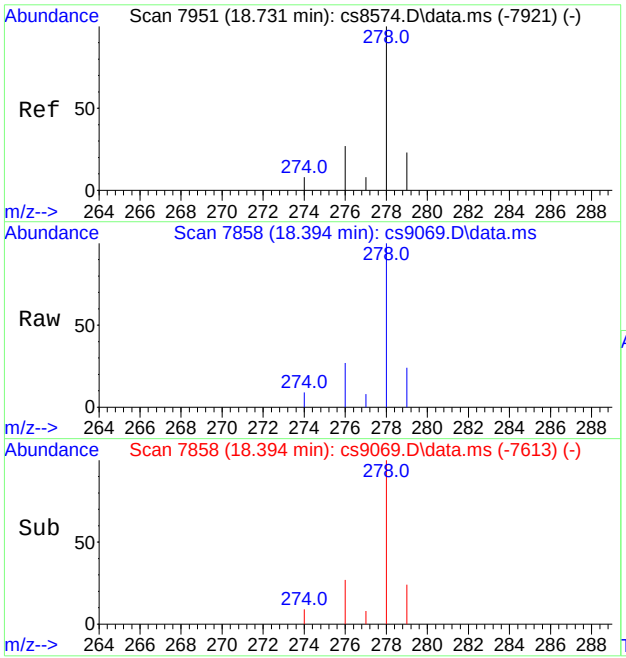


#32
Indeno[1,2,3-cd]pyrene
Concen: 321.9894 ppb m
RT: 18.365 min Scan# 7844
Delta R.T. -0.006 min
Lab File: cs9069.D
Acq: 16 Oct 2025 06:20 pm

Tgt Ion:276 Resp: 31839

Ion	Ratio	Lower	Upper
276	100		
274	21.8	0.0	49.8
277	24.0	0.0	52.3

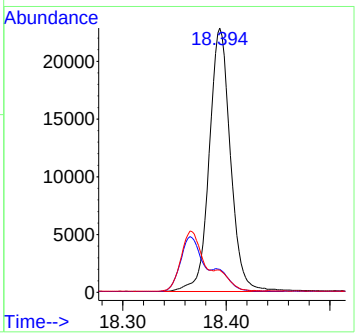


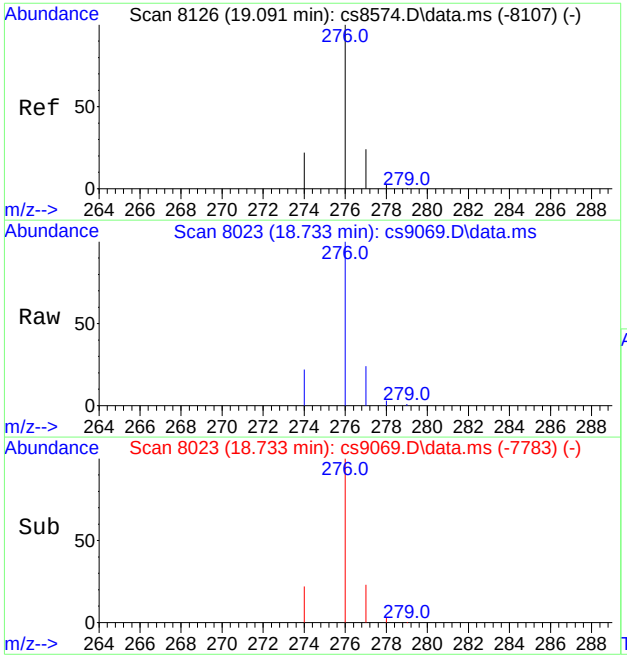


#33
Dibenz[a,h]anthracene
Concen: 349.1364 ppb
RT: 18.394 min Scan# 7858
Delta R.T. -0.004 min
Lab File: cs9069.D
Acq: 16 Oct 2025 06:20 pm

Tgt Ion:278 Resp: 32365

Ion	Ratio	Lower	Upper
278	100		
274	8.3	0.0	37.8
277	8.0	0.0	37.5

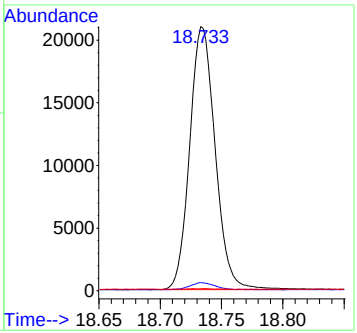




#34
Benzo[g,h,i]perylene
Concen: 307.4436 ppb
RT: 18.733 min Scan# 8023
Delta R.T. -0.006 min
Lab File: cs9069.D
Acq: 16 Oct 2025 06:20 pm

Tgt Ion:276 Resp: 30307

Ion	Ratio	Lower	Upper
276	100		
278	2.7	0.0	32.5
279	0.2	0.0	30.1



Manual Integration Approval Summary

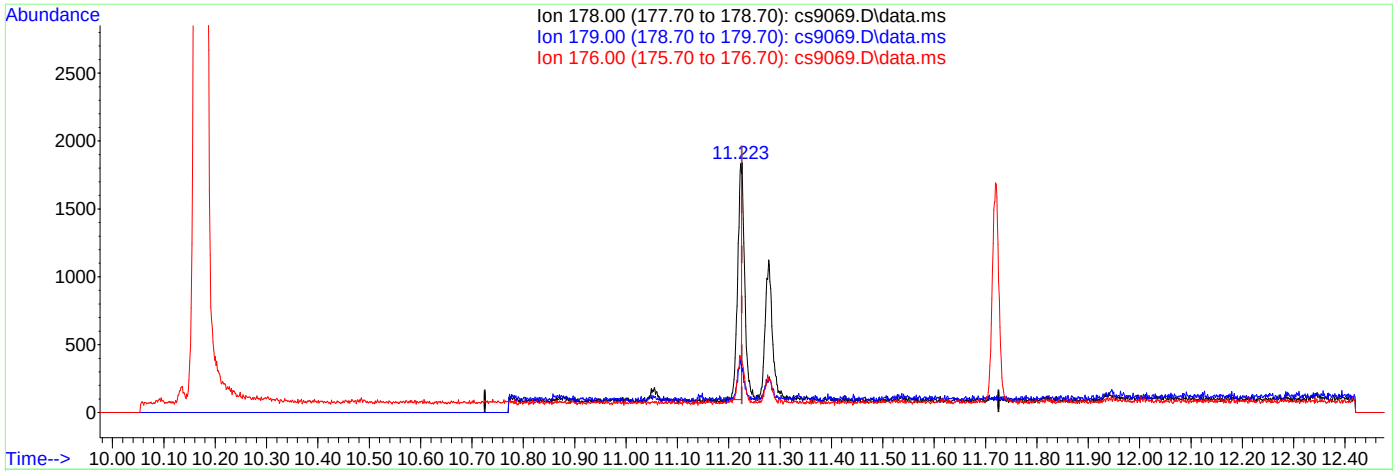
Sample Number: JE20825-4
Lab FileID: CS9069.D
Injection Time: 10/16/25 18:20
Method: SW846 8270E BY SIM
Analyst approved: 10/17/25 09:06 Alodia Hana Barrogo
Supervisor approved: 10/26/25 22:09 Jon Kreigmor Mamanta

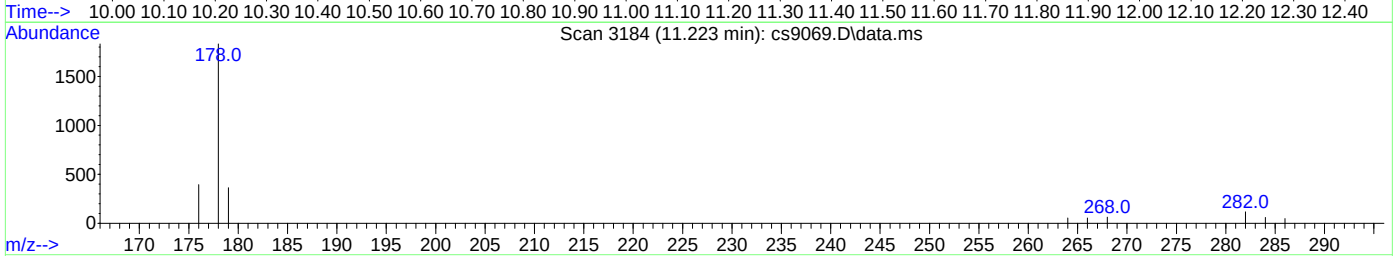
Parameter	CAS	Sig#	R.T. (min.)	Reason
Phenanthrene	85-01-8		11.23	Poor instrument integration
Indeno(1,2,3-cd)pyrene	193-39-5		18.36	Poor instrument integration

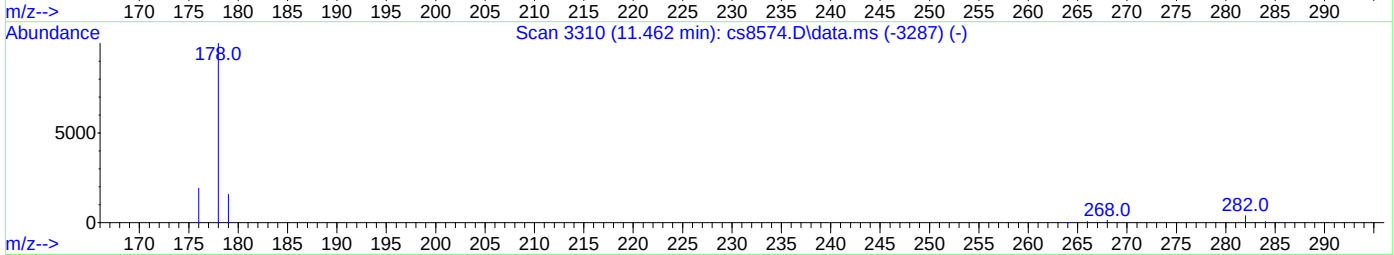
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\alodiab\ECS468\
Data File : cs9069.D
Acq On : 16 Oct 2025 06:20 pm
Operator : alejanda
Sample : je20825-4 Inst : GCMS_CS
Misc : op68138a,ecs468,250,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 17 12:08:35 2025
Quant Method : X:\Dayton SVOA GCMS\alodiab\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Fri Oct 17 11:54:32 2025
Response via : Initial Calibration







TIC: cs9069.D\data.ms

(21) Phenanthrene (t)

11.223min (-0.002) 4.38ppb

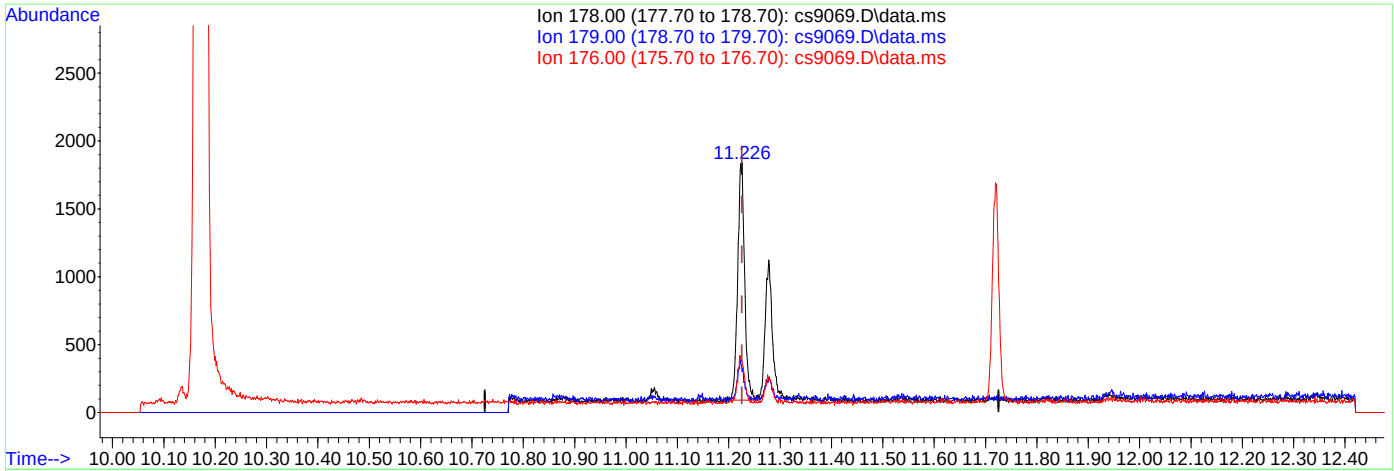
response 916

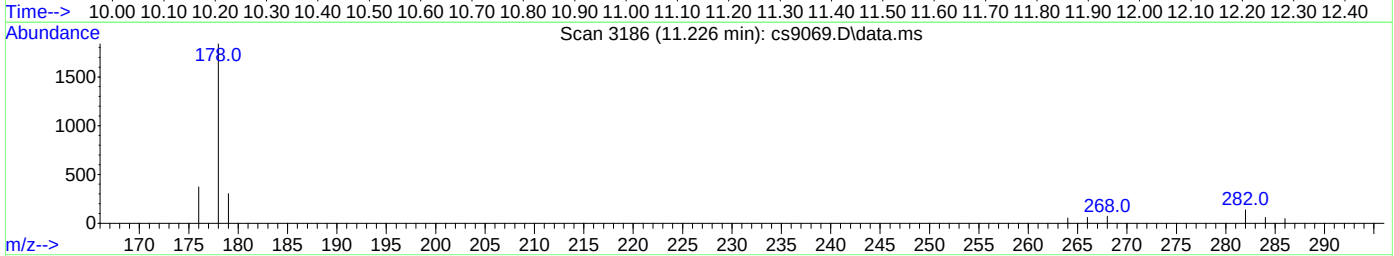
Ion	Exp%	Act%
178.00	100	100
179.00	14.60	15.18
176.00	19.00	17.16
0.00	0.00	0.00

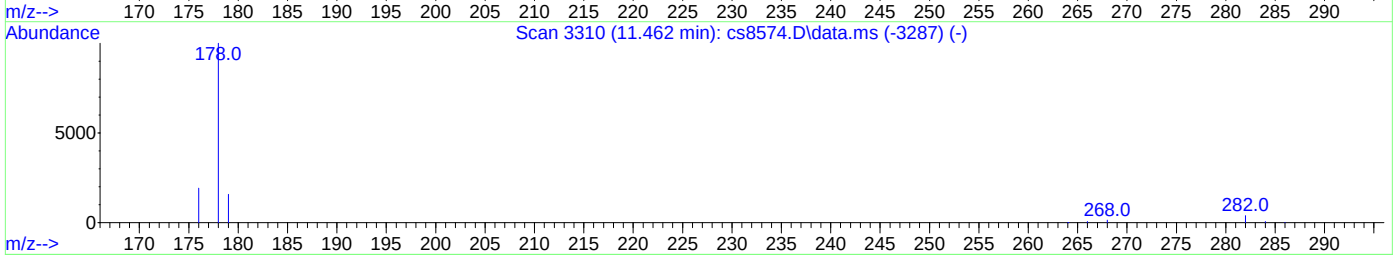
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\alodiab\ECS468\
Data File : cs9069.D
Acq On : 16 Oct 2025 06:20 pm
Operator : alejanda
Sample : je20825-4 Inst : GCMS_CS
Misc : op68138a,ecs468,250,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 17 12:08:35 2025
Quant Method : X:\Dayton SVOA GCMS\alodiab\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Fri Oct 17 11:54:32 2025
Response via : Initial Calibration







TIC: cs9069.D\data.ms

(21) Phenanthrene (t)

11.226min (+0.000) 7.81ppb m

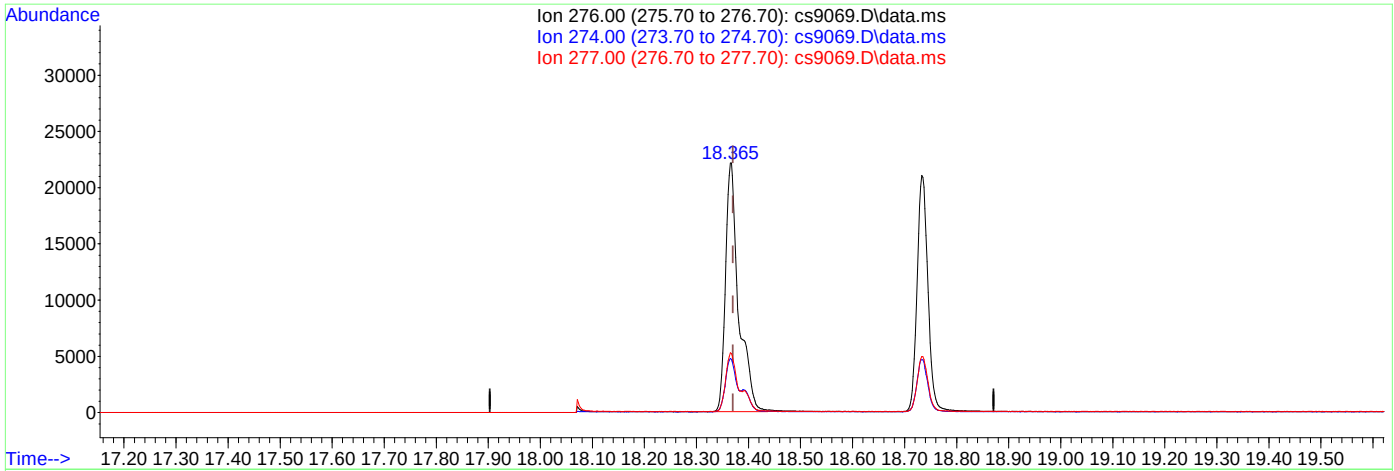
response 1634

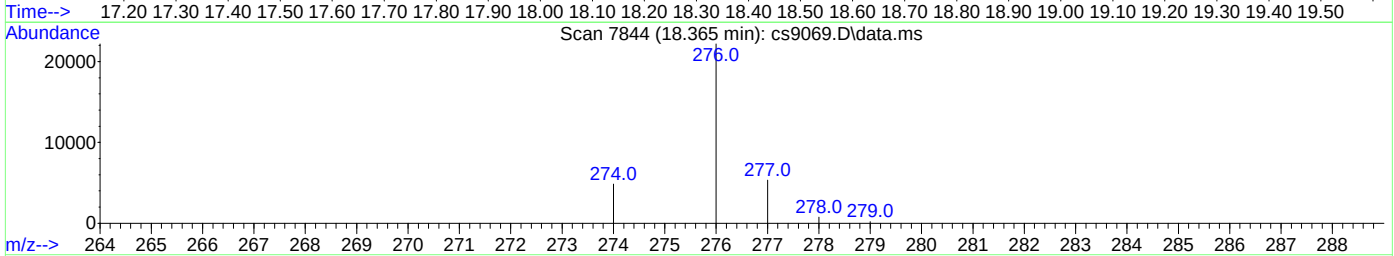
Ion	Exp%	Act%
178.00	100	100
179.00	14.60	16.48
176.00	19.00	20.23
0.00	0.00	0.00

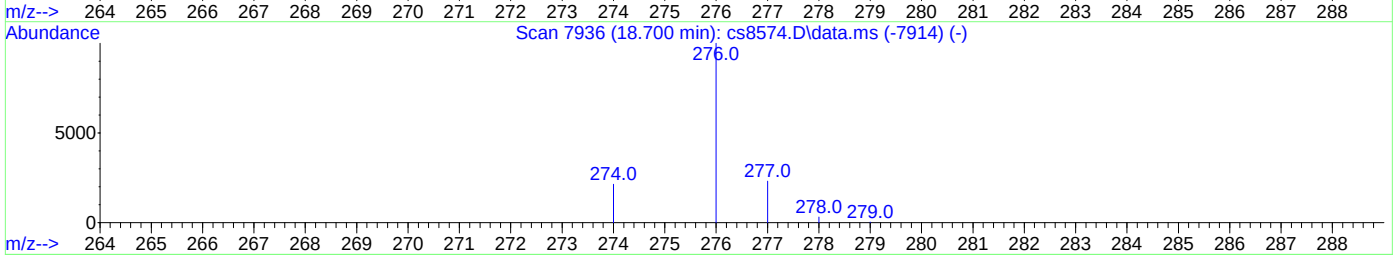
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\alodiab\ECS468\
Data File : cs9069.D
Acq On : 16 Oct 2025 06:20 pm
Operator : alejanda
Sample : je20825-4 Inst : GCMS_CS
Misc : op68138a,ecs468,250,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 17 12:08:35 2025
Quant Method : X:\Dayton SVOA GCMS\alodiab\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Fri Oct 17 11:54:32 2025
Response via : Initial Calibration







TIC: cs9069.D\data.ms

(32) Indeno[1,2,3-cd]pyrene (t)

18.365min (-0.006) 391.03ppb

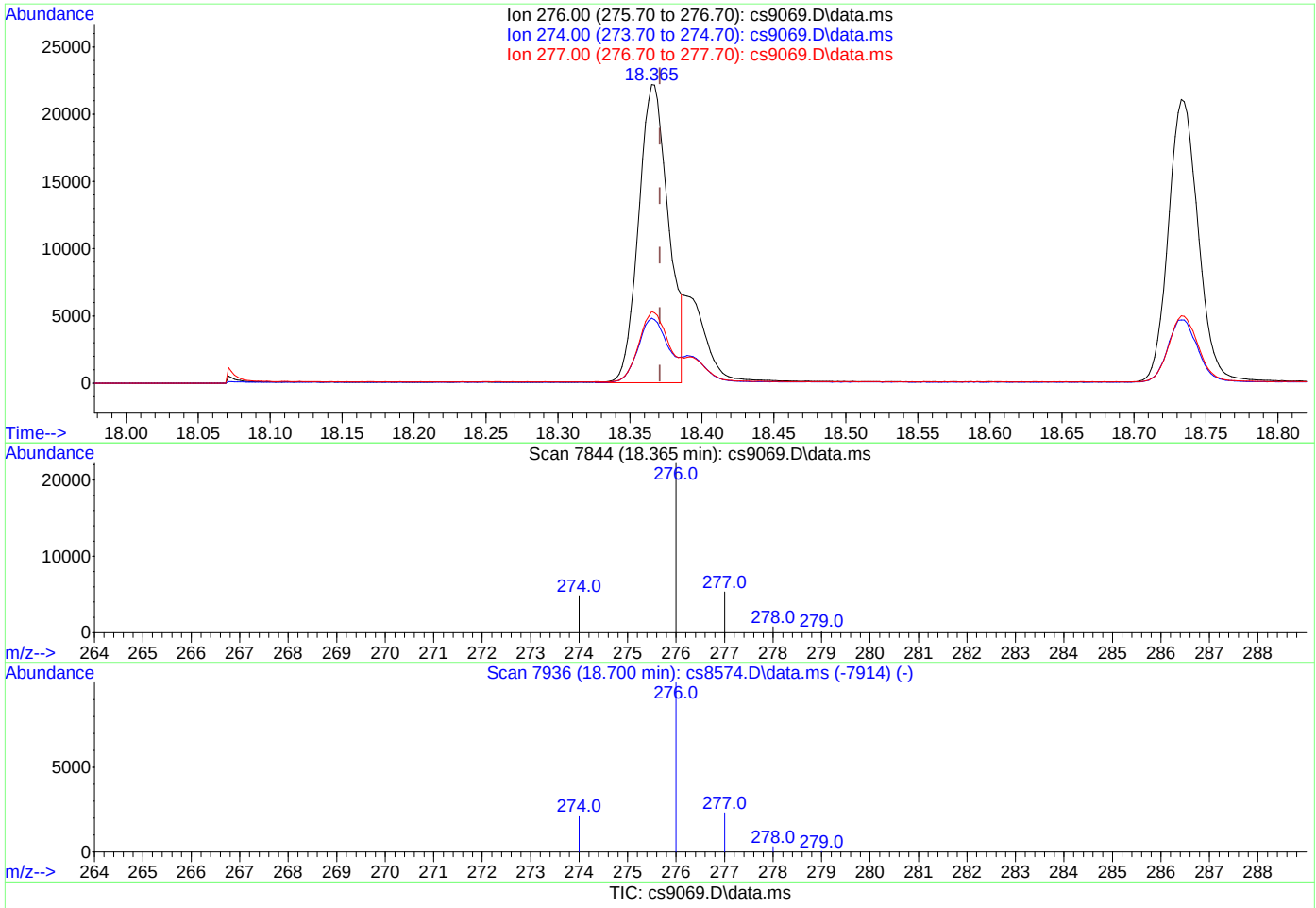
response 38666

Ion	Exp%	Act%
276.00	100	100
274.00	19.80	21.48
277.00	22.30	23.62
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\alodiab\ECS468\
Data File : cs9069.D
Acq On : 16 Oct 2025 06:20 pm
Operator : alejanda
Sample : je20825-4 Inst : GCMS_CS
Misc : op68138a,ecs468,250,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 17 12:08:35 2025
Quant Method : X:\Dayton SVOA GCMS\alodiab\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Fri Oct 17 11:54:32 2025
Response via : Initial Calibration



TIC: cs9069.D\data.ms

(32) Indeno[1,2,3-cd]pyrene (t)

18.365min (-0.006) 321.99ppb m

response 31839

Ion	Exp%	Act%
276.00	100	100
274.00	19.80	21.77
277.00	22.30	23.98
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Jon Kreigmor Mamanta 10/26/25 22:09

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\nerirose\ecs475\
Data File : cs9254.D
Acq On : 24 Oct 2025 05:17 pm
Operator : alejanda
Sample : je20825-4 Inst : GCMS_CS
Misc : op68290a,ecs475,250,,,1,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 26 18:29:46 2025
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Sun Oct 26 17:18:53 2025
Response via : Initial Calibration

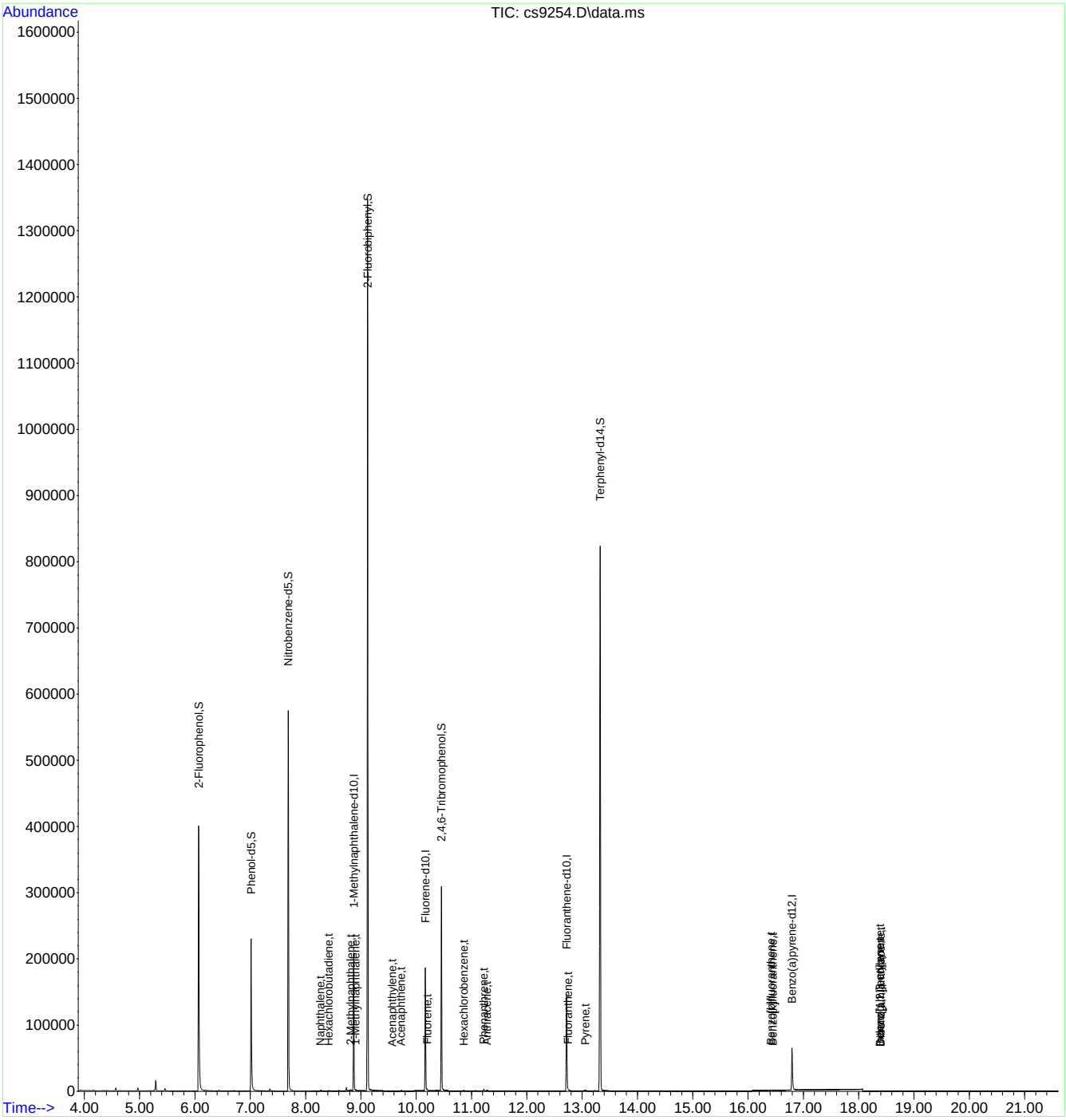
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	8.869	150	64066	800.00	ppb	0.00
11) Fluorene-d10	10.166	176	78216	800.00	ppb	0.00
18) Fluoranthene-d10	12.718	212	112660	800.00	ppb	0.00
28) Benzo(a)pyrene-d12	16.793	264	53445	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	6.068	112	205953	3355.04	ppb	0.00
Spiked Amount 10000.000			Recovery =	33.55%		
4) Phenol-d5	7.013	99	189211	2610.39	ppb	0.00
Spiked Amount 10000.000			Recovery =	26.10%		
6) Nitrobenzene-d5	7.687	82	298684	4993.79	ppb	0.00
Spiked Amount 10000.000			Recovery =	49.94%		
12) 2-Fluorobiphenyl	9.122	172	633892	4999.88	ppb	0.00
Spiked Amount 10000.000			Recovery =	50.00%		
17) 2,4,6-Tribromophenol	10.456	330	104644	8045.07	ppb	0.00
Spiked Amount 10000.000			Recovery =	80.45%		
25) Terphenyl-d14	13.325	244	599465	7417.67	ppb	0.00
Spiked Amount 10000.000			Recovery =	74.18%		
Target Compounds						Qvalue
7) Naphthalene	8.269	128	858	3.7311	ppb	97
8) Hexachlorobutadiene	8.416	225	180	5.3453	ppb	92
9) 2-Methylnaphthalene	8.814	141	483	3.7820	ppb	95
10) 1-Methylnaphthalene	8.898	141	414	3.4072	ppb	93
13) Acenaphthylene	9.560	152	295	1.5431	ppb	94
14) Acenaphthene	9.723	153	391	2.9394	ppb	98
15) Fluorene	10.195	166	911	5.9992	ppb	91
19) Hexachlorobenzene	10.855	284	287	7.4683	ppb	86
21) Phenanthrene	11.220	178	2068	10.3495	ppb	98
22) Anthracene	11.275	178	1082	5.8725	ppb	98
23) Fluoranthene	12.746	202	1198	5.7116	ppb	94
24) Pyrene	13.055	202	973	4.5659	ppb	94
29) Benzo[b]fluoranthene	16.412	252	341	2.9196	ppb	83
30) Benzo[k]fluoranthene	16.444	252	223	2.0475	ppb	63
32) Indeno[1,2,3-cd]pyrene	18.383	276	276	3.2310	ppb	91
33) Dibenz[a,h]anthracene	18.400	278	209m	2.6098	ppb	
34) Benzo[g,h,i]perylene	18.383	276	276	3.2410	ppb	94

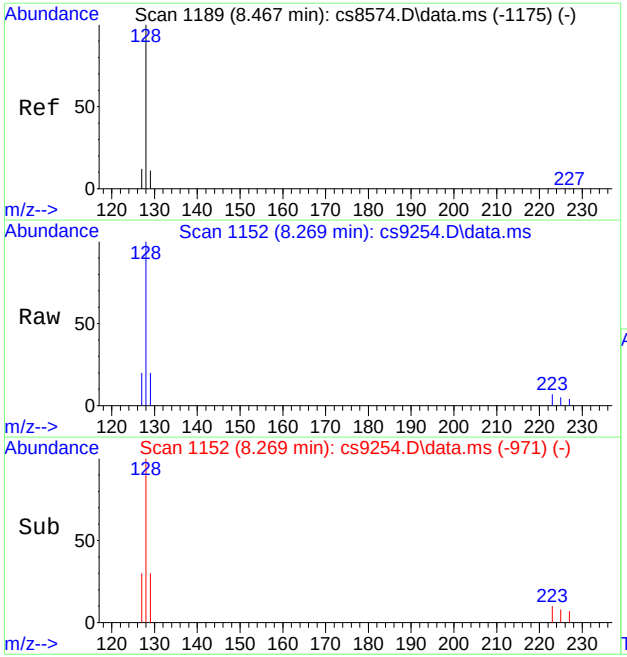
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\nerirose\ecs475\
Data File : cs9254.D
Acq On : 24 Oct 2025 05:17 pm
Operator : alejanda
Sample : je20825-4 Inst : GCMS_CS
Misc : op68290a,ecs475,250,,,1,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 26 18:29:46 2025
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Sun Oct 26 17:18:53 2025
Response via : Initial Calibration

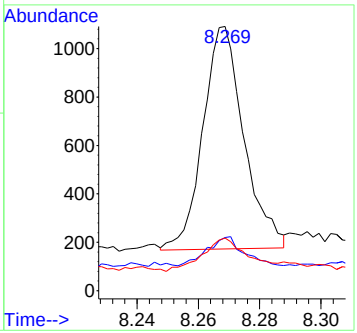


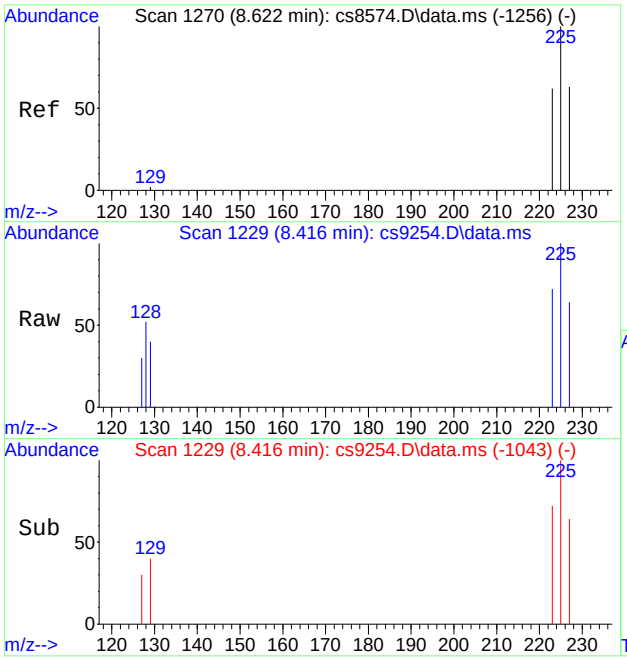


#7
Naphthalene
Concen: 3.7311 ppb
RT: 8.269 min Scan# 1152
Delta R.T. 0.002 min
Lab File: cs9254.D
Acq: 24 Oct 2025 05:17 pm

Tgt Ion:128 Resp: 858

Ion	Ratio	Lower	Upper
128	100		
129	12.9	0.0	40.8
127	12.8	0.0	42.6

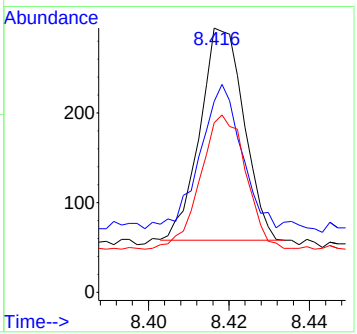


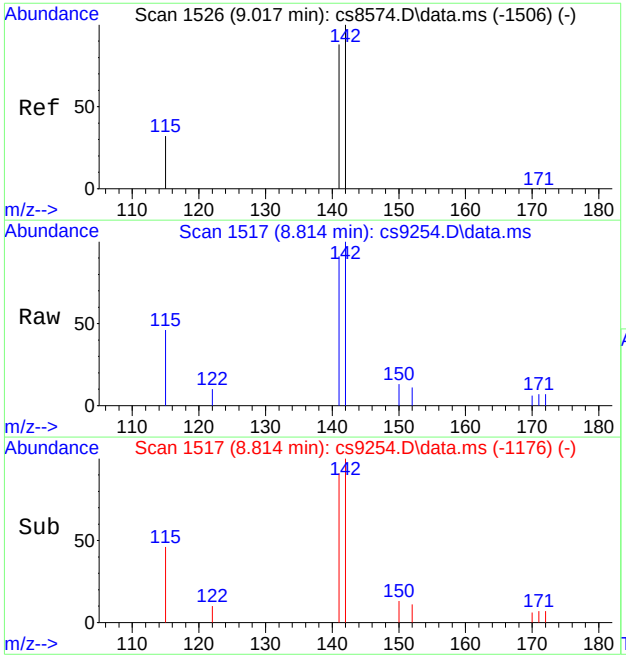


#8
Hexachlorobutadiene
Concen: 5.3453 ppb
RT: 8.416 min Scan# 1229
Delta R.T. -0.004 min
Lab File: cs9254.D
Acq: 24 Oct 2025 05:17 pm

Tgt Ion:225 Resp: 180

Ion	Ratio	Lower	Upper
225	100		
223	57.5	34.2	94.2
227	58.4	34.1	94.1

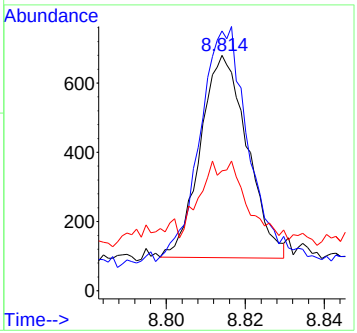


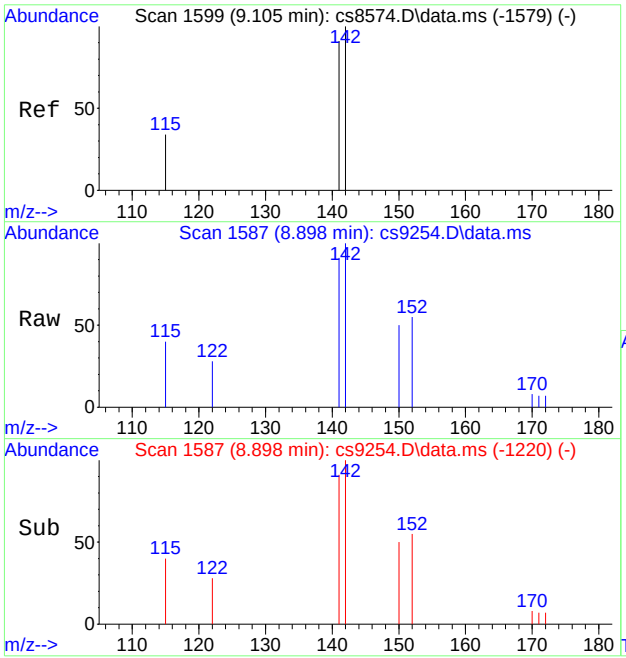


#9
2-Methylnaphthalene
Concen: 3.7820 ppb
RT: 8.814 min Scan# 1517
Delta R.T. -0.000 min
Lab File: cs9254.D
Acq: 24 Oct 2025 05:17 pm

Tgt Ion:141 Resp: 483

Ion	Ratio	Lower	Upper
141	100		
142	110.7	84.8	144.8
115	30.0	5.6	65.6

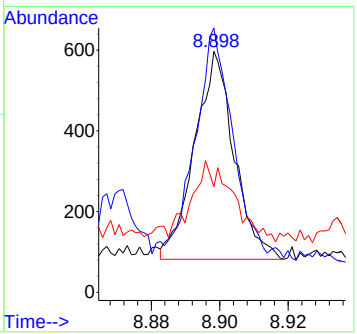


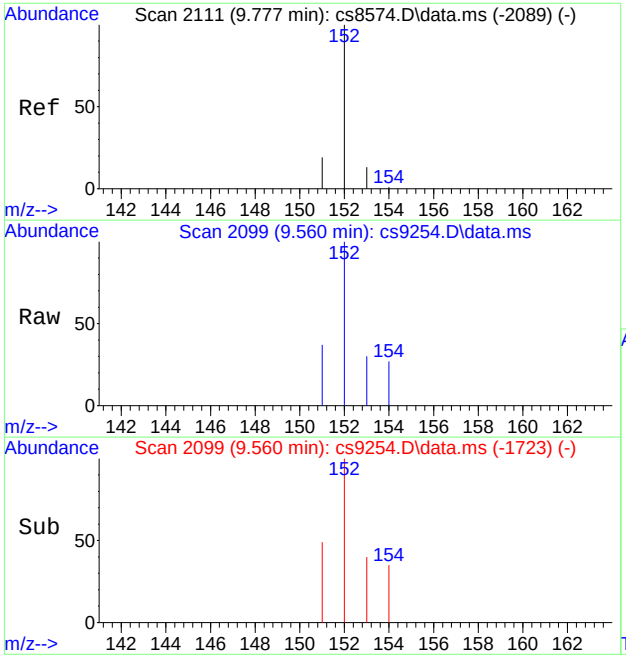


#10
1-Methylnaphthalene
Concen: 3.4072 ppb
RT: 8.898 min Scan# 1587
Delta R.T. -0.000 min
Lab File: cs9254.D
Acq: 24 Oct 2025 05:17 pm

Tgt Ion:141 Resp: 414

Ion	Ratio	Lower	Upper
141	100		
142	109.3	80.5	140.5
115	21.8	6.7	66.7

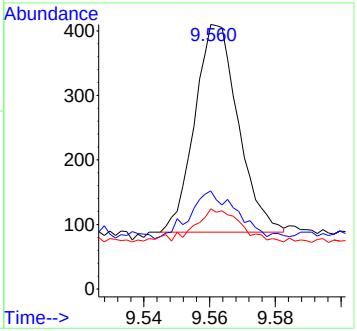


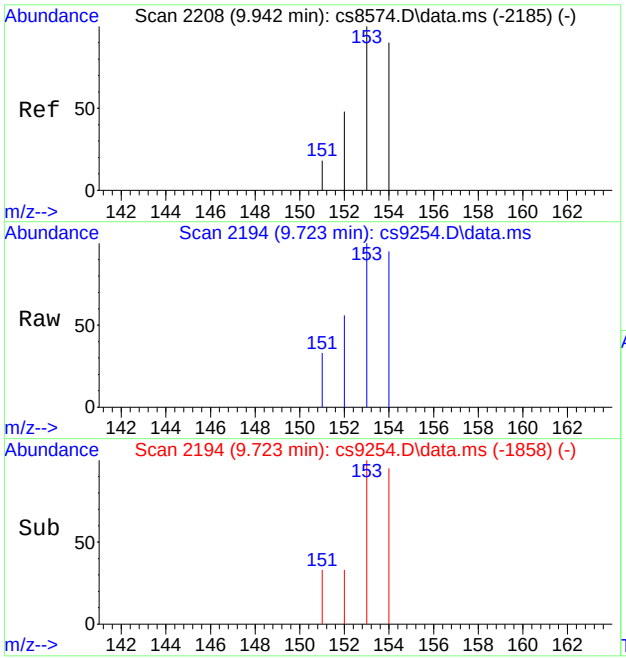


#13
Acenaphthylene
Concen: 1.5431 ppb
RT: 9.560 min Scan# 2099
Delta R.T. -0.002 min
Lab File: cs9254.D
Acq: 24 Oct 2025 05:17 pm

Tgt Ion:152 Resp: 295

Ion	Ratio	Lower	Upper
152	100		
151	21.9	0.0	49.1
153	14.7	0.0	42.9

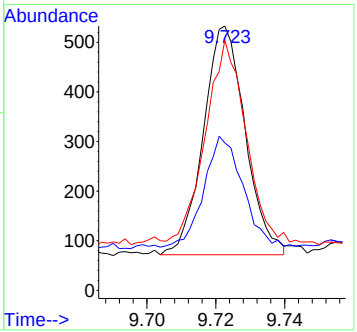


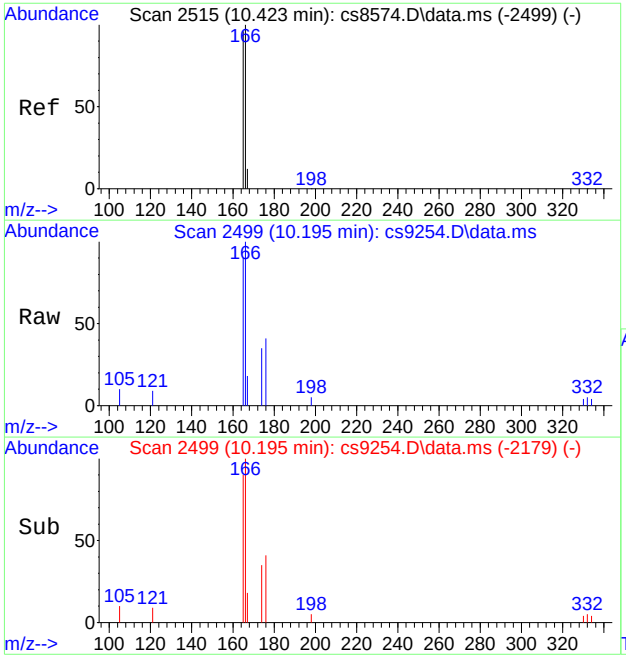


#14
Acenaphthene
Concen: 2.9394 ppb
RT: 9.723 min Scan# 2194
Delta R.T. -0.002 min
Lab File: cs9254.D
Acq: 24 Oct 2025 05:17 pm

Tgt Ion:153 Resp: 391

Ion	Ratio	Lower	Upper
153	100		
152	46.2	17.1	77.1
154	87.5	59.9	119.9

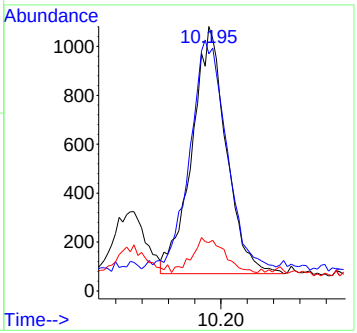


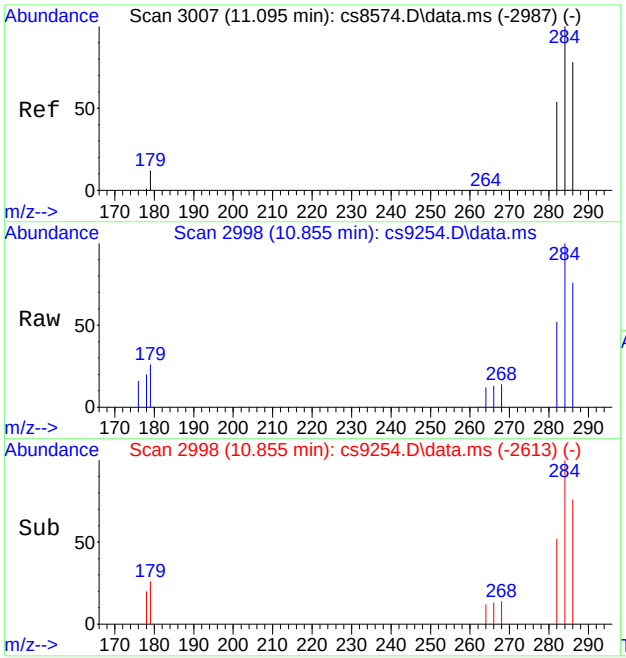


#15
Fluorene
Concen: 5.9992 ppb
RT: 10.195 min Scan# 2499
Delta R.T. -0.001 min
Lab File: cs9254.D
Acq: 24 Oct 2025 05:17 pm

Tgt Ion:166 Resp: 911

Ion	Ratio	Lower	Upper
166	100		
165	85.7	65.4	125.4
167	11.1	0.0	43.4

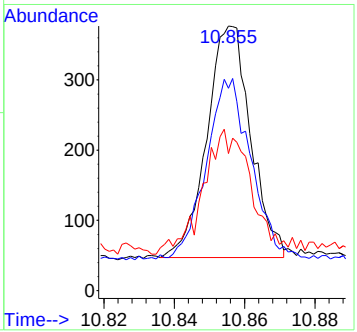


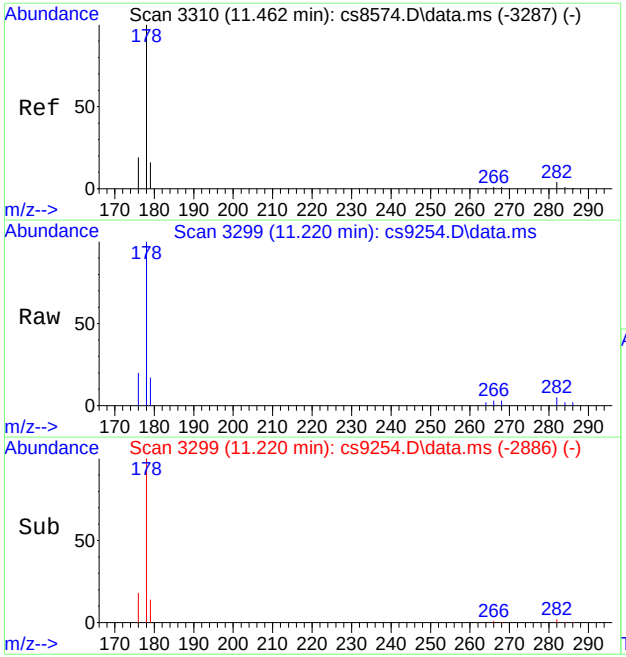


#19
Hexachlorobenzene
Concen: 7.4683 ppb
RT: 10.855 min Scan# 2998
Delta R.T. -0.002 min
Lab File: cs9254.D
Acq: 24 Oct 2025 05:17 pm

Tgt Ion:284 Resp: 287

Ion	Ratio	Lower	Upper
284	100		
286	71.2	49.7	109.7
282	39.8	23.7	83.7

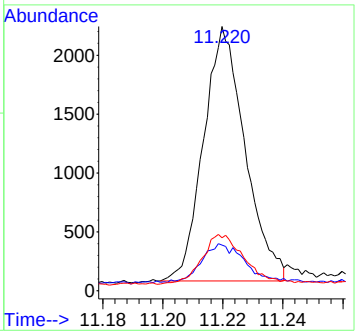


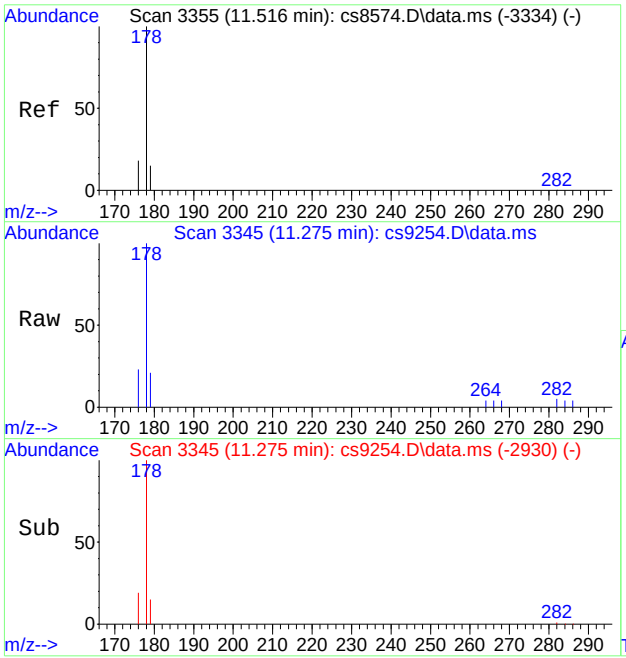


#21
Phenanthrene
Concen: 10.3495 ppb
RT: 11.220 min Scan# 3299
Delta R.T. -0.000 min
Lab File: cs9254.D
Acq: 24 Oct 2025 05:17 pm

Tgt Ion:178 Resp: 2068

Ion	Ratio	Lower	Upper
178	100		
179	14.2	0.0	45.5
176	17.9	0.0	48.8

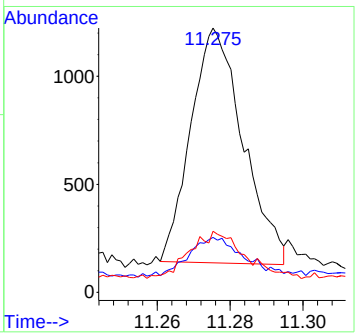


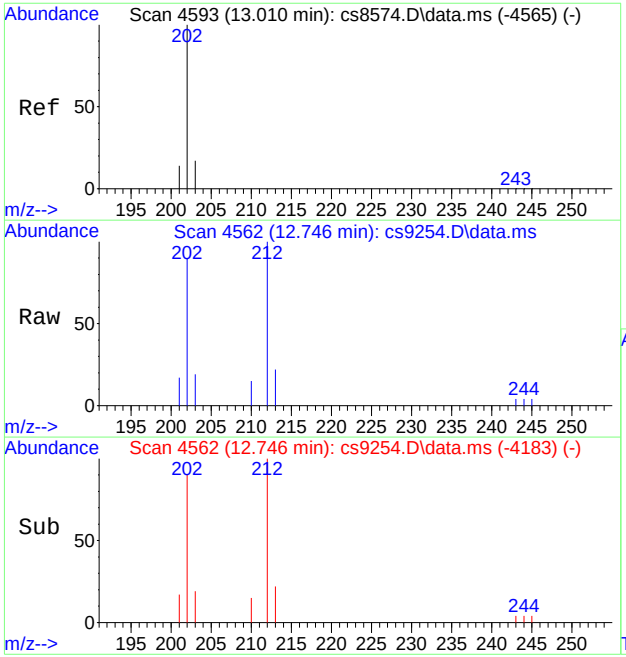


#22
Anthracene
Concen: 5.8725 ppb
RT: 11.275 min Scan# 3345
Delta R.T. 0.002 min
Lab File: cs9254.D
Acq: 24 Oct 2025 05:17 pm

Tgt Ion:178 Resp: 1082

Ion	Ratio	Lower	Upper
178	100		
179	16.5	0.0	45.1
176	18.9	0.0	49.1

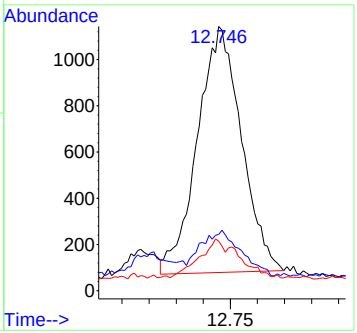


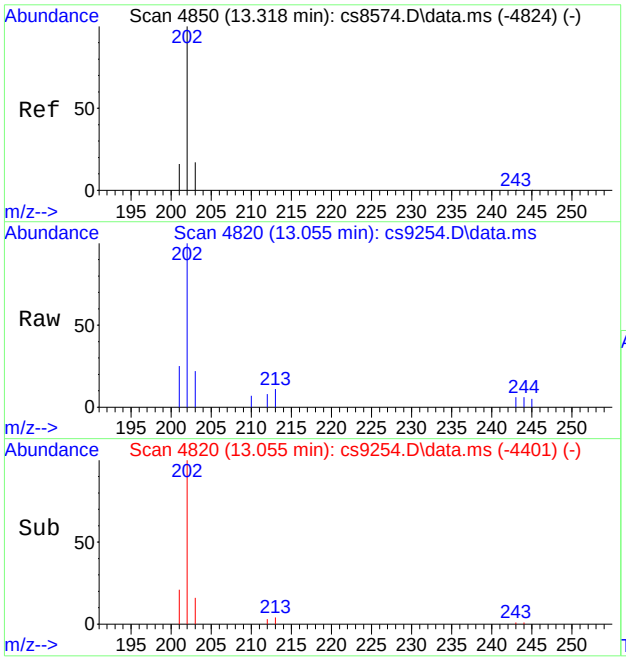


#23
Fluoranthene
Concen: 5.7116 ppb
RT: 12.746 min Scan# 4562
Delta R.T. -0.004 min
Lab File: cs9254.D
Acq: 24 Oct 2025 05:17 pm

Tgt Ion:202 Resp: 1198

Ion	Ratio	Lower	Upper
202	100		
203	13.5	0.0	46.9
201	15.3	0.0	44.0

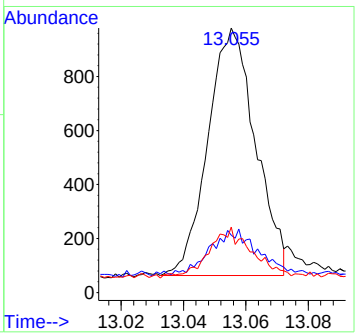


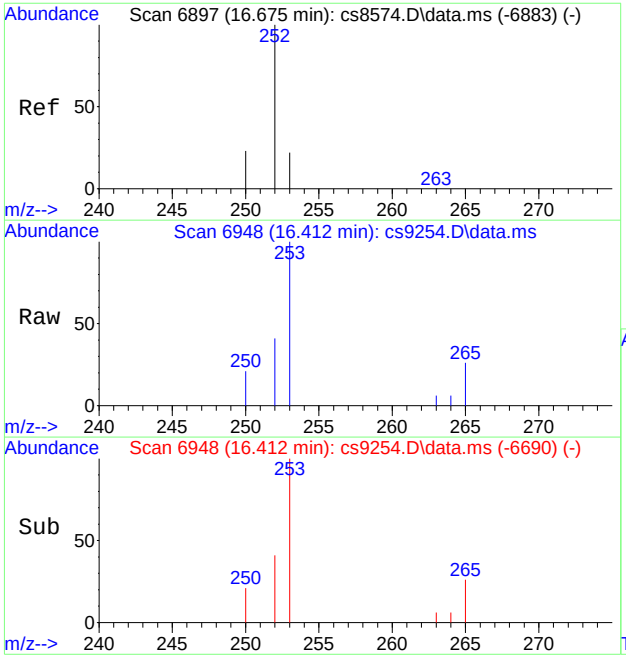


#24
Pyrene
Concen: 4.5659 ppb
RT: 13.055 min Scan# 4820
Delta R.T. 0.002 min
Lab File: cs9254.D
Acq: 24 Oct 2025 05:17 pm

Tgt Ion:202 Resp: 973

Ion	Ratio	Lower	Upper
202	100		
203	15.0	0.0	47.0
201	20.2	0.0	46.7

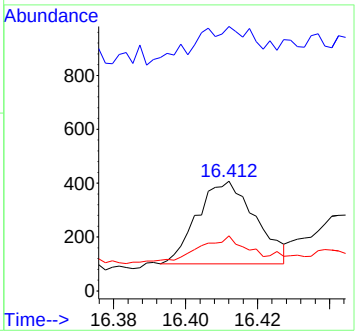


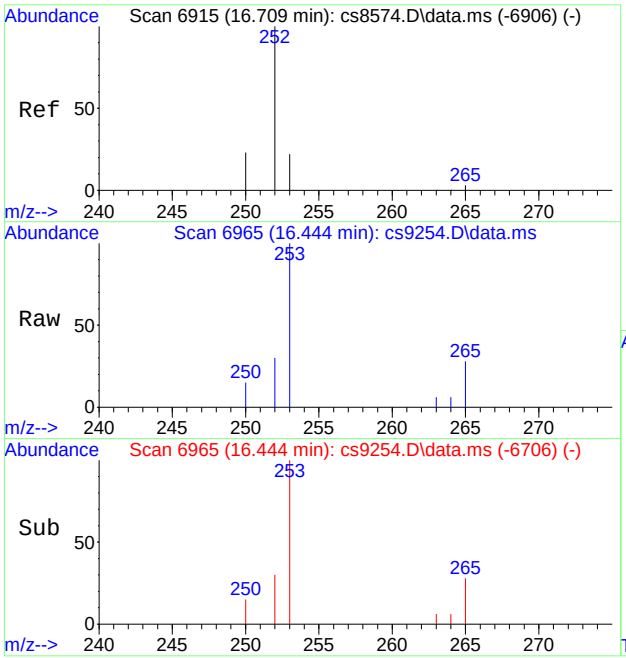


#29
Benzo[b]fluoranthene
Concen: 2.9196 ppb
RT: 16.412 min Scan# 6948
Delta R.T. 0.008 min
Lab File: cs9254.D
Acq: 24 Oct 2025 05:17 pm

Tgt Ion:252 Resp: 341

Ion	Ratio	Lower	Upper
252	100		
253	30.6	0.0	51.5
250	30.9	0.0	53.3

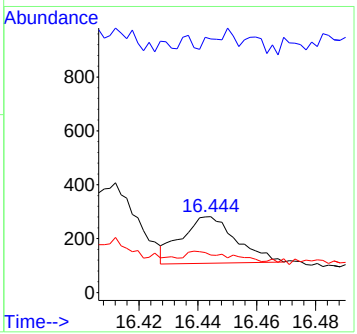


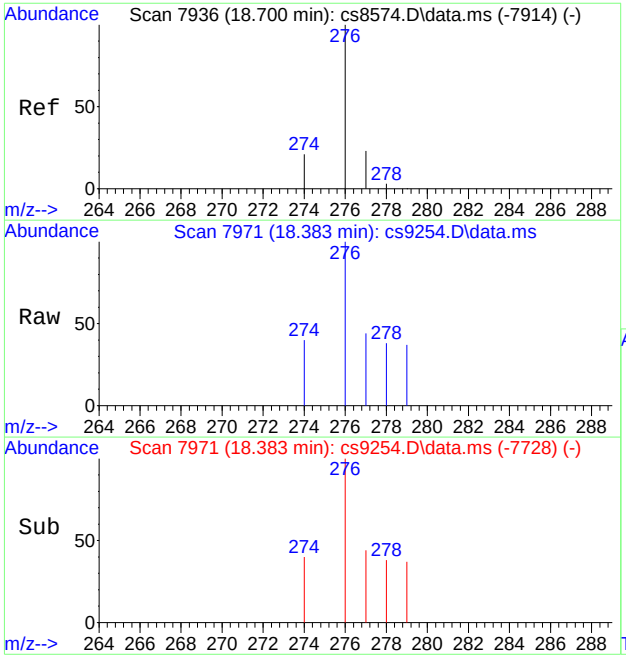


#30
Benzo[k]fluoranthene
Concen: 2.0475 ppb
RT: 16.444 min Scan# 6965
Delta R.T. 0.006 min
Lab File: cs9254.D
Acq: 24 Oct 2025 05:17 pm

Tgt Ion:252 Resp: 223

Ion	Ratio	Lower	Upper
252	100		
253	0.7	0.0	51.5
250	8.3	0.0	52.6

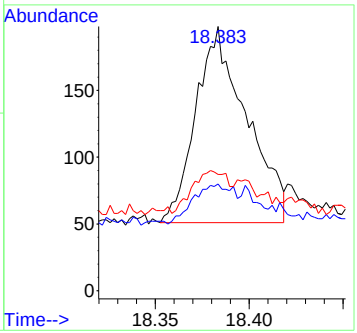


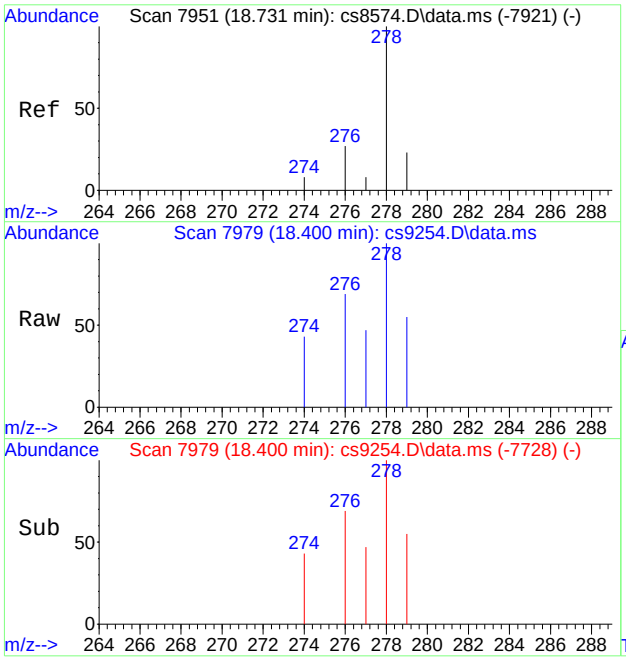


#32
Indeno[1,2,3-cd]pyrene
Concen: 3.2310 ppb
RT: 18.383 min Scan# 7971
Delta R.T. 0.018 min
Lab File: cs9254.D
Acq: 24 Oct 2025 05:17 pm

Tgt Ion:276 Resp: 276

Ion	Ratio	Lower	Upper
276	100		
274	17.3	0.0	50.8
277	17.7	0.0	53.2

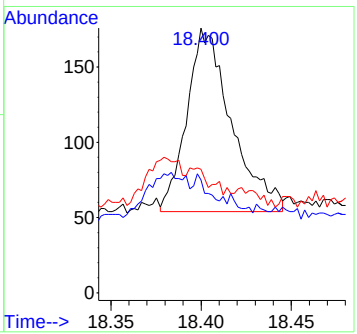


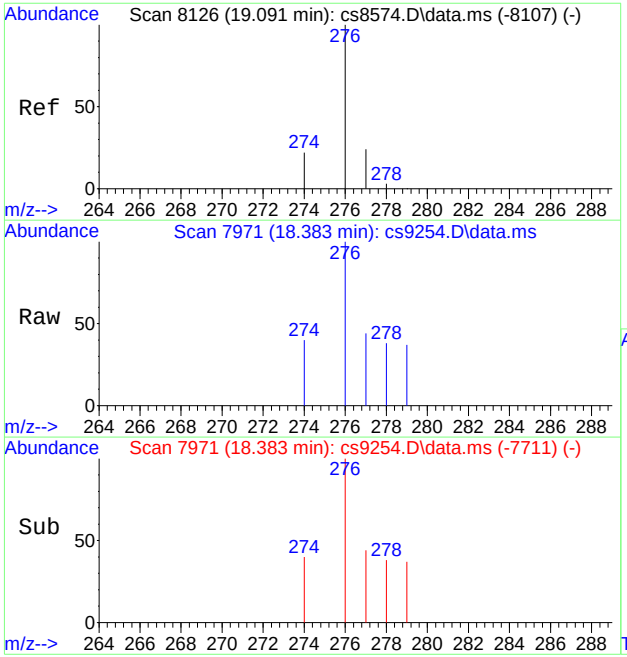


#33
Dibenz[a,h]anthracene
Concen: 2.6098 ppb m
RT: 18.400 min Scan# 7979
Delta R.T. 0.008 min
Lab File: cs9254.D
Acq: 24 Oct 2025 05:17 pm

Tgt Ion:278 Resp: 209

Ion	Ratio	Lower	Upper
278	100		
274	42.6	0.0	40.3#
277	46.6	0.0	40.4#

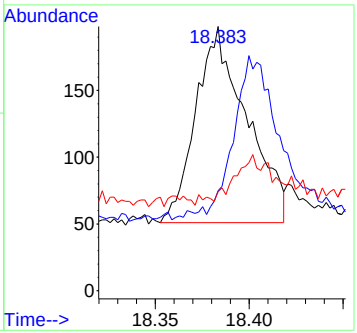




#34
Benzo[g,h,i]perylene
Concen: 3.2410 ppb
RT: 18.383 min Scan# 7971
Delta R.T. 0.018 min
Lab File: cs9254.D
Acq: 24 Oct 2025 05:17 pm

Tgt Ion:276 Resp: 276

Ion	Ratio	Lower	Upper
276	100		
278	0.0	0.0	32.2
279	0.0	0.0	30.1



Manual Integration Approval Summary

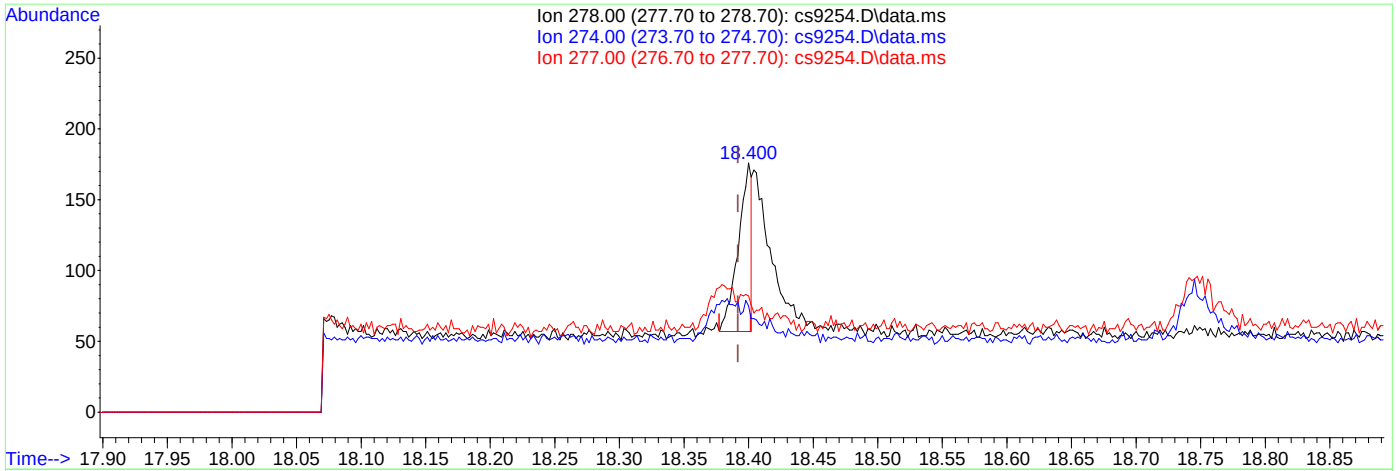
Sample Number: JE20825-4
Lab FileID: CS9254.D
Injection Time: 10/24/25 17:17
Method: SW846 8270E BY SIM
Analyst approved: 10/26/25 07:00 NeriRose Cuevas
Supervisor approved: 10/26/25 22:09 Jon Kreigmor Mamanta

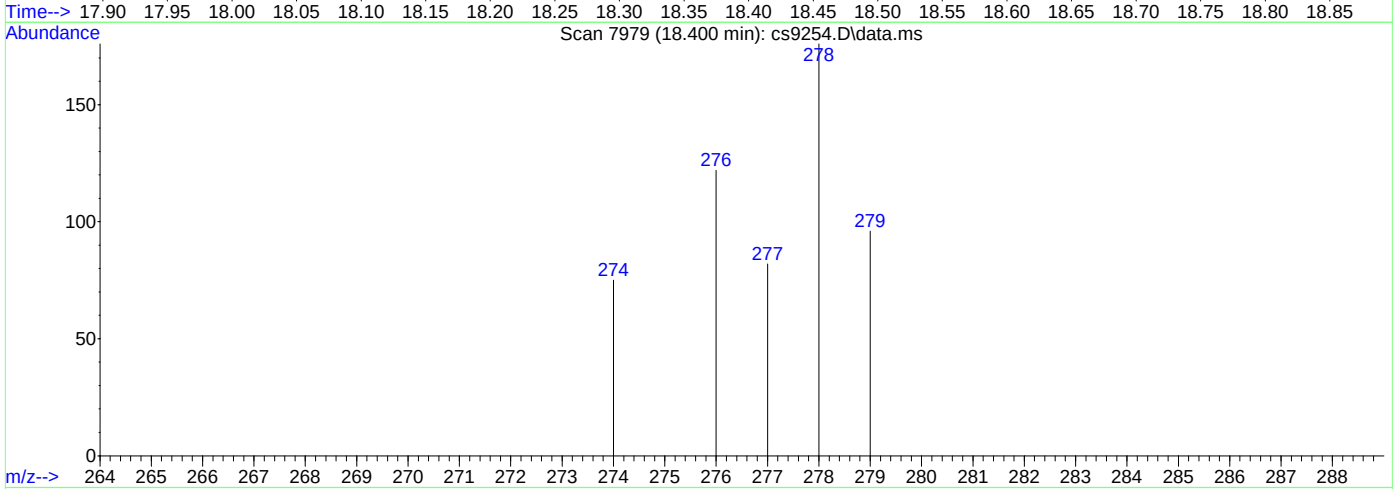
Parameter	CAS	Sig#	R.T. (min.)	Reason
Dibenzo(a,h)anthracene	53-70-3		18.40	Poor instrument integration

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\nerirose\ecs475\
Data File : cs9254.D
Acq On : 24 Oct 2025 05:17 pm
Operator : alejanda
Sample : je20825-4 Inst : GCMS_CS
Misc : op68290a,ecs475,250,,,1,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 26 17:22:19 2025
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Sun Oct 26 17:18:53 2025
Response via : Initial Calibration





TIC: cs9254.D\data.ms

(33) Dibenz[a,h]anthracene (t)

18.400min (+0.008) 1.06ppb

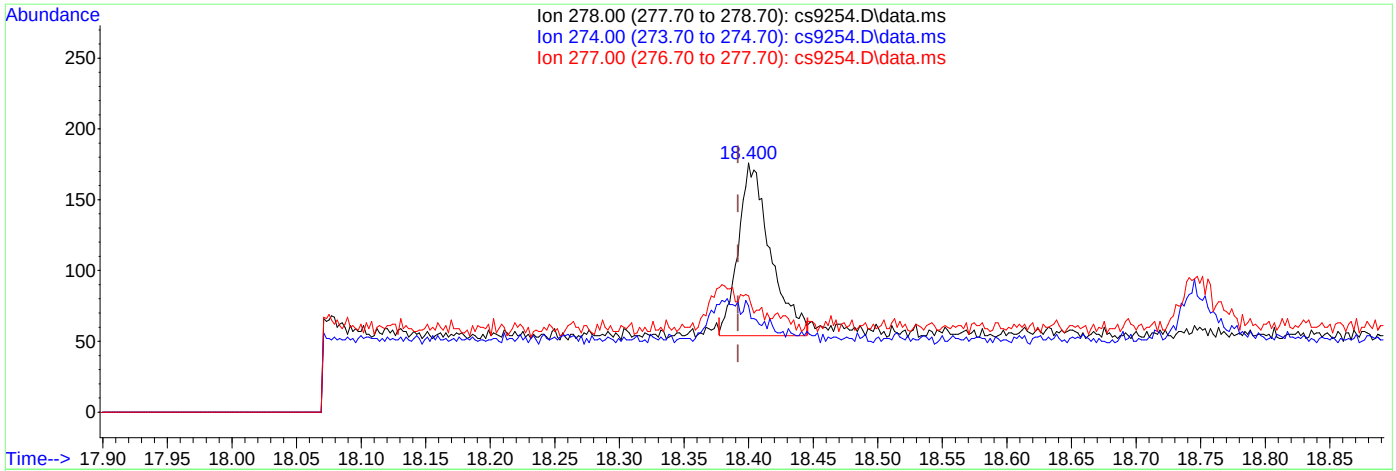
response 85

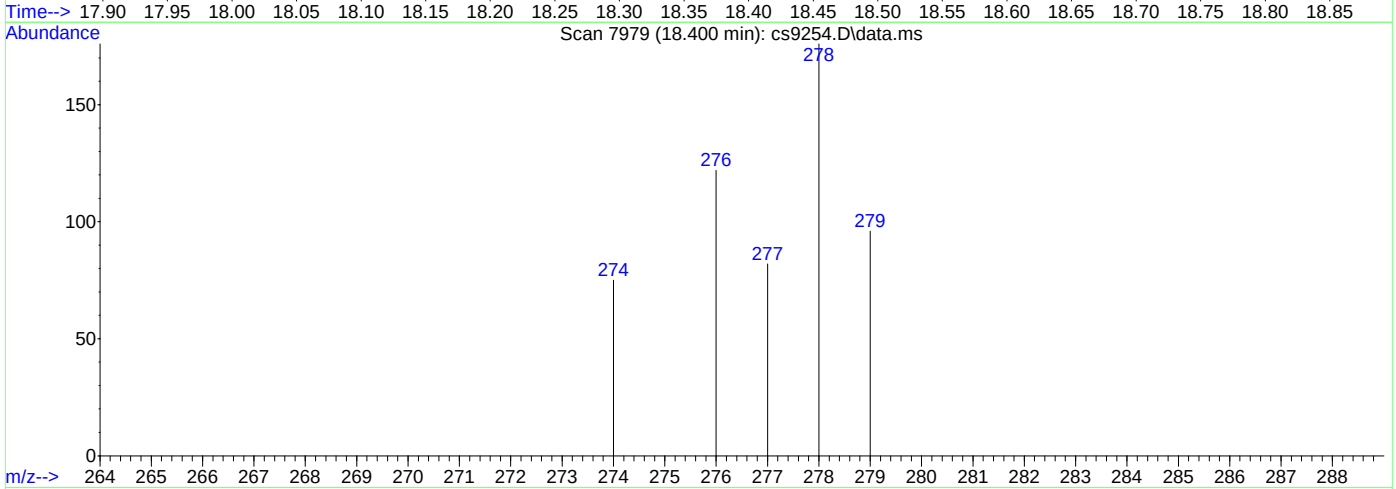
Ion	Exp%	Act%
278.00	100	100
274.00	10.30	6.20
277.00	10.40	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\nerirose\ecs475\
Data File : cs9254.D
Acq On : 24 Oct 2025 05:17 pm
Operator : alejanda
Sample : je20825-4 Inst : GCMS_CS
Misc : op68290a,ecs475,250,,,1,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 26 17:22:19 2025
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Sun Oct 26 17:18:53 2025
Response via : Initial Calibration





TIC: cs9254.D\data.ms

(33) Dibenz[a,h]anthracene (t)

18.400min (+0.008) 2.61ppb m

response 209

Ion	Exp%	Act%
278.00	100	100
274.00	10.30	42.61#
277.00	10.40	46.59#
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Jon Kreigmor Mamanta 10/26/25 22:13

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\alodiab\ECS468\
Data File : cs9070.D
Acq On : 16 Oct 2025 06:46 pm
Operator : alejanda
Sample : je20825-5 Inst : GCMS_CS
Misc : op68138a,ecs468,250,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 17 12:15:58 2025
Quant Method : X:\Dayton SVOA GCMS\alodiab\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Fri Oct 17 11:54:32 2025
Response via : Initial Calibration

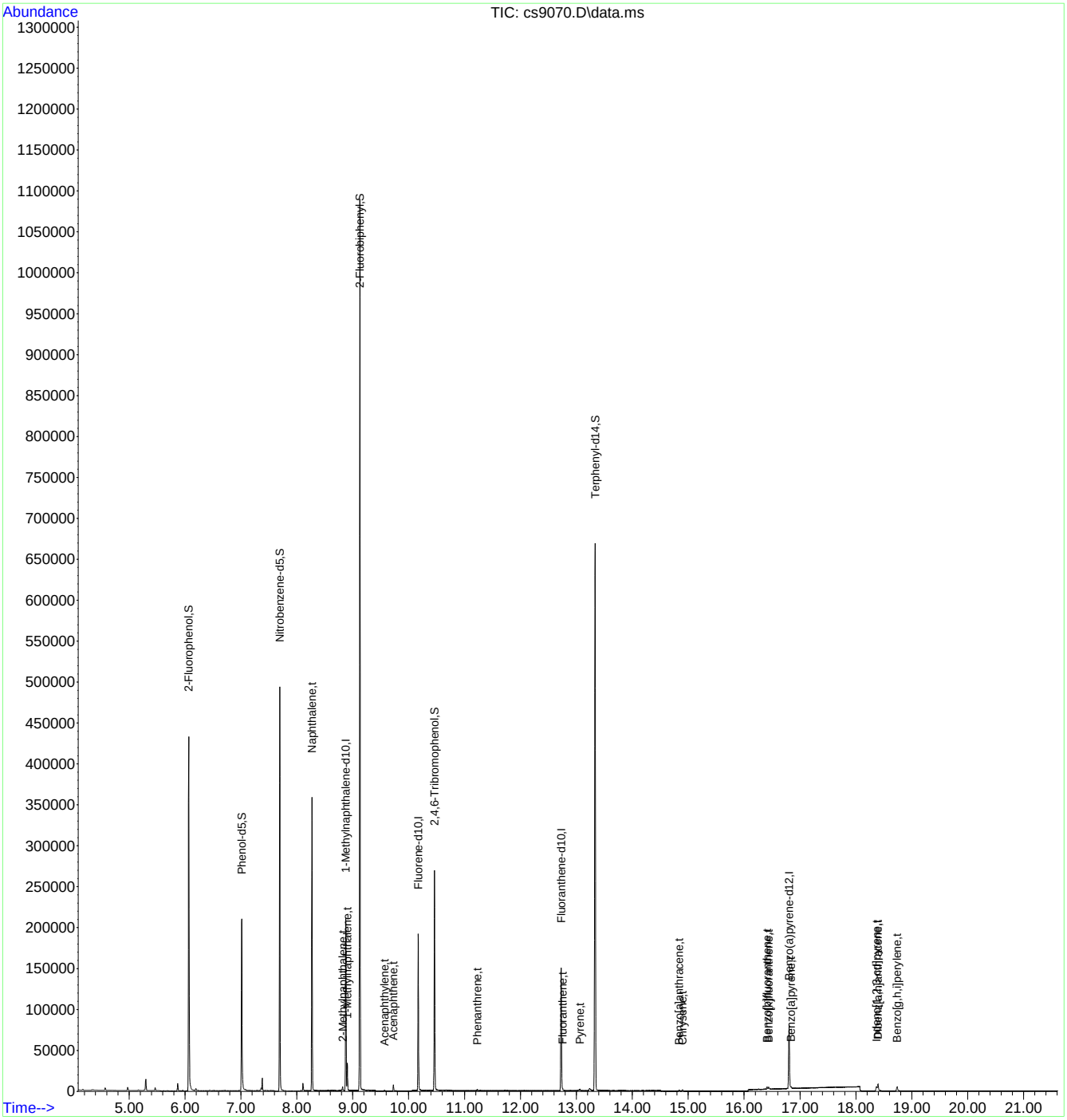
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	8.876	150	62279	800.00	ppb	0.00
11) Fluorene-d10	10.172	176	77464	800.00	ppb	0.00
18) Fluoranthene-d10	12.726	212	111381	800.00	ppb	0.00
28) Benzo(a)pyrene-d12	16.804	264	62527	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	6.066	112	201650	3379.20	ppb	0.00
Spiked Amount 10000.000			Recovery =	33.79%		
4) Phenol-d5	7.015	99	173021	2455.53	ppb	0.00
Spiked Amount 10000.000			Recovery =	24.56%		
6) Nitrobenzene-d5	7.694	82	244946	4212.84	ppb	0.00
Spiked Amount 10000.000			Recovery =	42.13%		
12) 2-Fluorobiphenyl	9.127	172	490818	3908.95	ppb	0.00
Spiked Amount 10000.000			Recovery =	39.09%		
17) 2,4,6-Tribromophenol	10.462	330	90735	7043.46	ppb	0.00
Spiked Amount 10000.000			Recovery =	70.43%		
25) Terphenyl-d14	13.335	244	478088	5983.70	ppb	0.00
Spiked Amount 10000.000			Recovery =	59.84%		
Target Compounds						Qvalue
7) Naphthalene	8.271	128	218536	977.5835	ppb	100
9) 2-Methylnaphthalene	8.818	141	1629m	13.1215	ppb	
10) 1-Methylnaphthalene	8.903	141	10051	85.0916	ppb	98
13) Acenaphthylene	9.566	152	521	2.7517	ppb	95
14) Acenaphthene	9.727	153	2384	18.0959	ppb	98
21) Phenanthrene	11.224	178	1112	5.6290	ppb	99
23) Fluoranthene	12.753	202	1345m	6.4861	ppb	
24) Pyrene	13.059	202	1365m	6.4790	ppb	
26) Benzo[a]anthracene	14.833	228	973	6.3961	ppb	90
27) Chrysene	14.895	228	1282	8.4900	ppb	99
29) Benzo[b]fluoranthene	16.408	252	2046	14.9733	ppb	98
30) Benzo[k]fluoranthene	16.439	252	2196	17.2341	ppb	97
31) Benzo[a]pyrene	16.837	252	1255	9.9050	ppb	94
32) Indeno[1,2,3-cd]pyrene	18.367	276	5396	53.9931	ppb	98
33) Dibenz[a,h]anthracene	18.394	278	6998	74.6926	ppb	90
34) Benzo[g,h,i]perylene	18.735	276	4889	49.0712	ppb	100

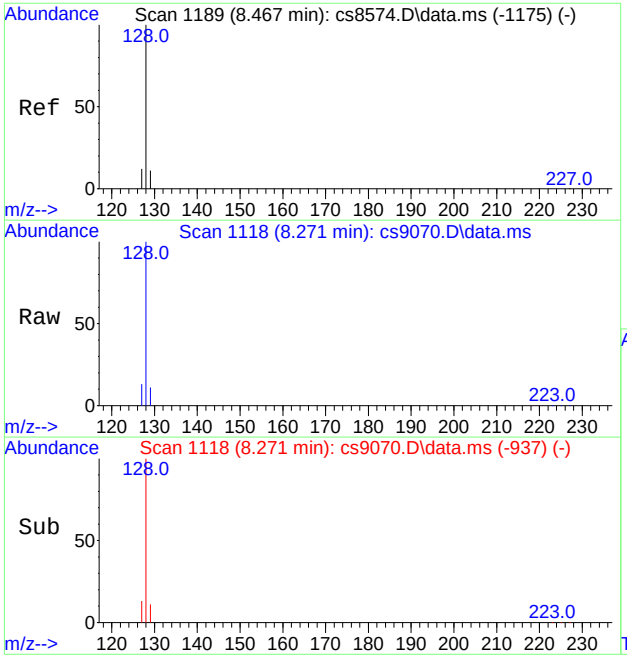
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\alodiab\ECS468\
Data File : cs9070.D
Acq On : 16 Oct 2025 06:46 pm
Operator : alejanda
Sample : je20825-5 Inst : GCMS_CS
Misc : op68138a,ecs468,250,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 17 12:15:58 2025
Quant Method : X:\Dayton SVOA GCMS\alodiab\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Fri Oct 17 11:54:32 2025
Response via : Initial Calibration

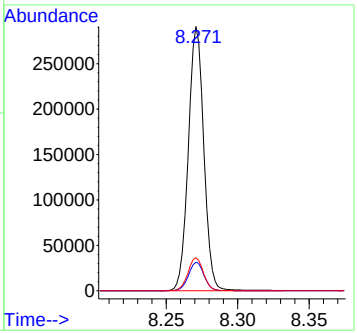


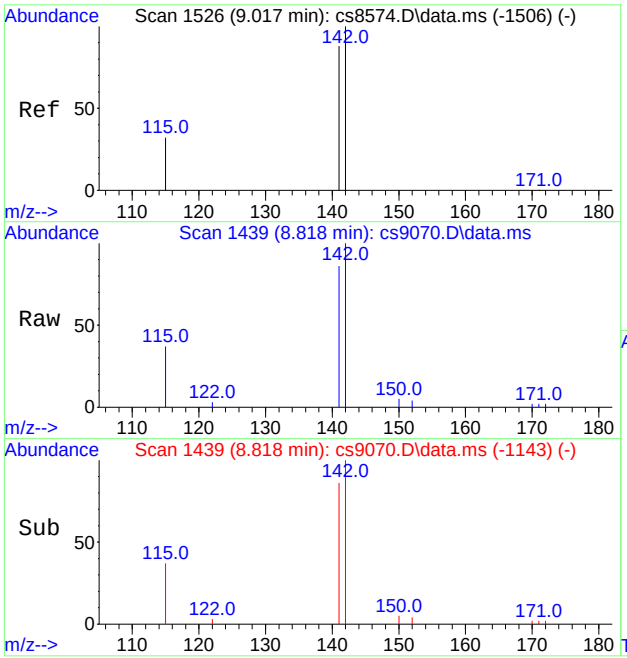


#7
Naphthalene
Concen: 977.5835 ppb
RT: 8.271 min Scan# 1118
Delta R.T. -0.002 min
Lab File: cs9070.D
Acq: 16 Oct 2025 06:46 pm

Tgt Ion:128 Resp: 218536

Ion	Ratio	Lower	Upper
128	100		
129	10.8	0.0	40.8
127	12.5	0.0	42.5

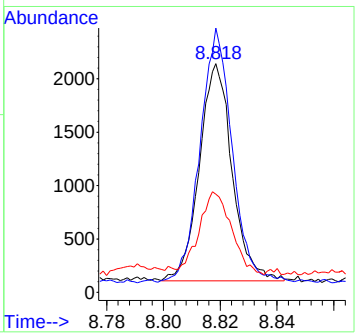


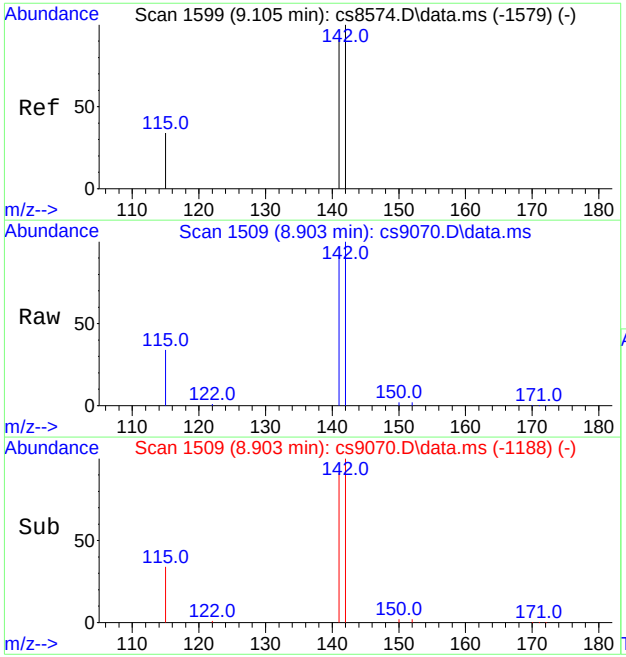


#9
2-Methylnaphthalene
Concen: 13.1215 ppb m
RT: 8.818 min Scan# 1439
Delta R.T. -0.001 min
Lab File: cs9070.D
Acq: 16 Oct 2025 06:46 pm

Tgt Ion:141 Resp: 1629

Ion	Ratio	Lower	Upper
141	100		
142	115.6	82.9	142.9
115	43.0	6.4	66.4

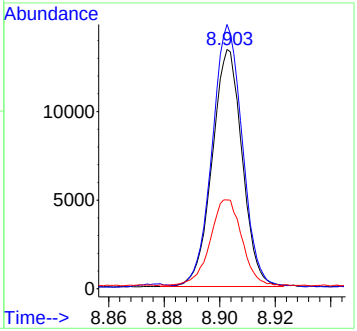


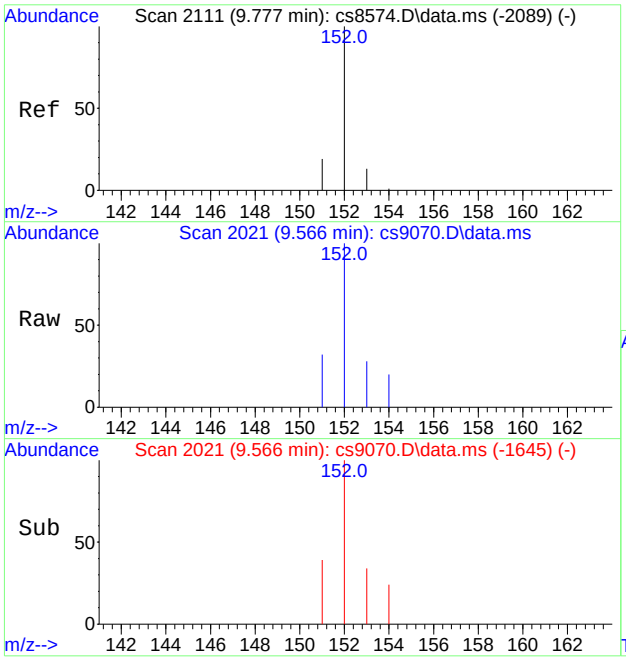


#10
1-Methylnaphthalene
Concen: 85.0916 ppb
RT: 8.903 min Scan# 1509
Delta R.T. -0.002 min
Lab File: cs9070.D
Acq: 16 Oct 2025 06:46 pm

Tgt Ion:141 Resp: 10051

Ion	Ratio	Lower	Upper
141	100		
142	109.9	82.8	142.8
115	35.9	7.0	67.0

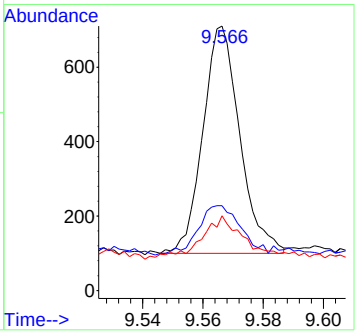


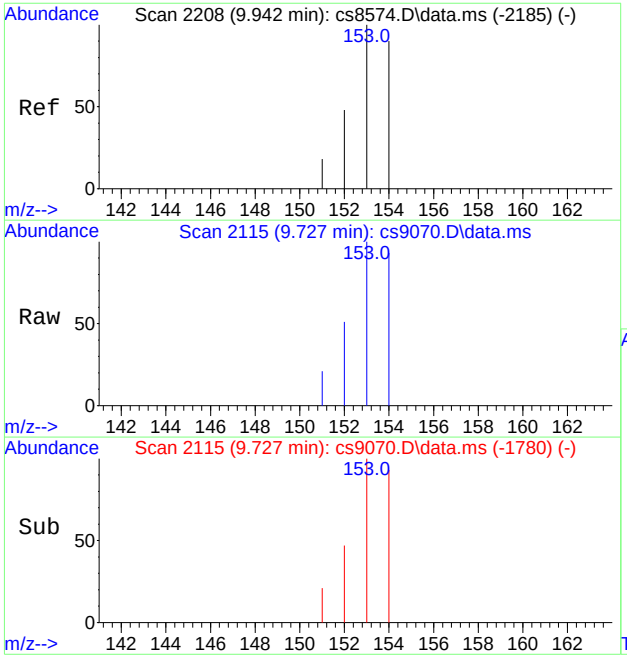


#13
Acenaphthylene
Concen: 2.7517 ppb
RT: 9.566 min Scan# 2021
Delta R.T. 0.000 min
Lab File: cs9070.D
Acq: 16 Oct 2025 06:46 pm

Tgt Ion:152 Resp: 521

Ion	Ratio	Lower	Upper
152	100		
151	20.4	0.0	49.3
153	16.7	0.0	42.8

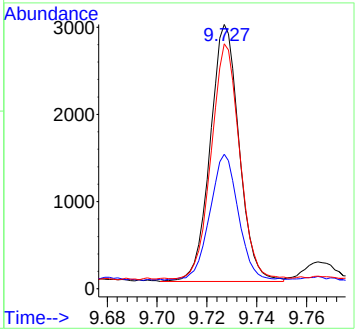


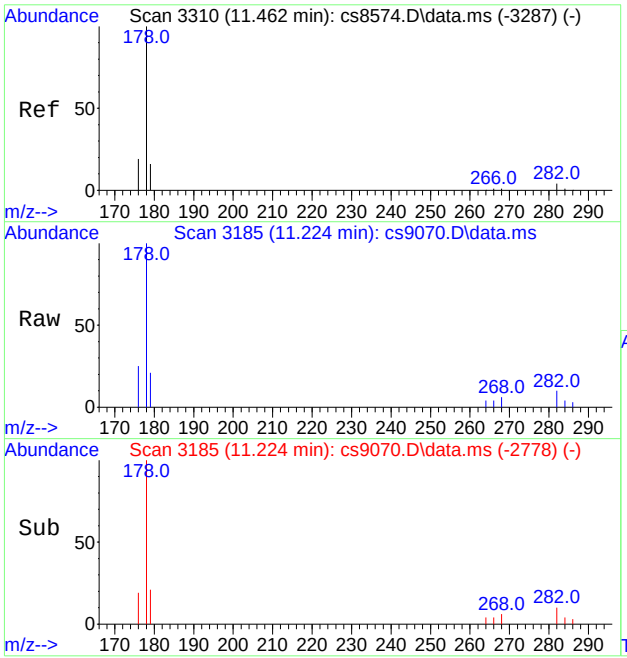


#14
Acenaphthene
Concen: 18.0959 ppb
RT: 9.727 min Scan# 2115
Delta R.T. -0.002 min
Lab File: cs9070.D
Acq: 16 Oct 2025 06:46 pm

Tgt Ion:153 Resp: 2384

Ion	Ratio	Lower	Upper
153	100		
152	48.8	17.9	77.9
154	91.3	59.2	119.2

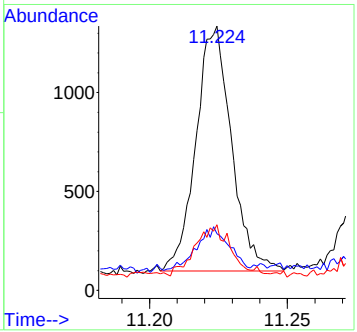


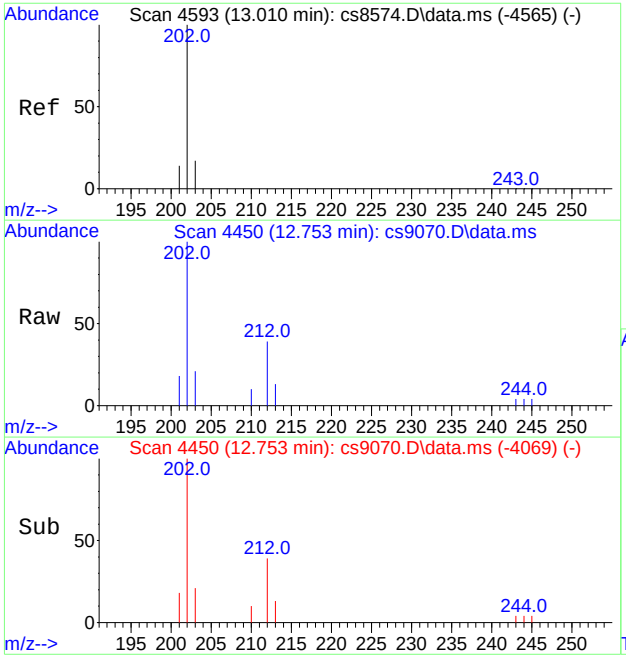


#21
Phenanthrene
Concen: 5.6290 ppb
RT: 11.224 min Scan# 3185
Delta R.T. -0.001 min
Lab File: cs9070.D
Acq: 16 Oct 2025 06:46 pm

Tgt Ion:178 Resp: 1112

Ion	Ratio	Lower	Upper
178	100		
179	14.4	0.0	44.6
176	19.5	0.0	49.0

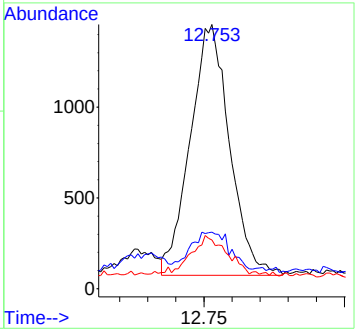


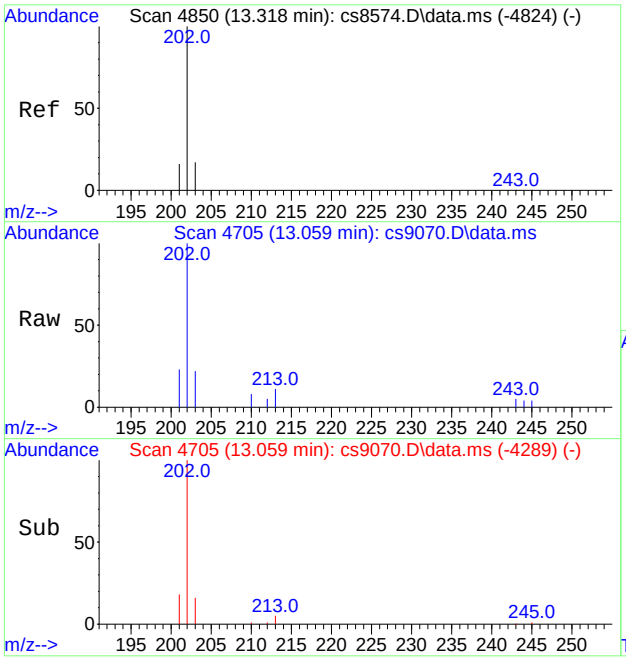


#23
Fluoranthene
Concen: 6.4861 ppb m
RT: 12.753 min Scan# 4450
Delta R.T. -0.002 min
Lab File: cs9070.D
Acq: 16 Oct 2025 06:46 pm

Tgt Ion:202 Resp: 1345

Ion	Ratio	Lower	Upper
202	100		
203	21.4	0.0	46.8
201	18.4	0.0	43.6

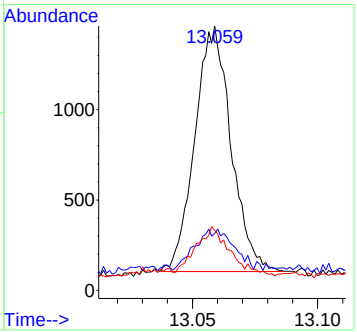


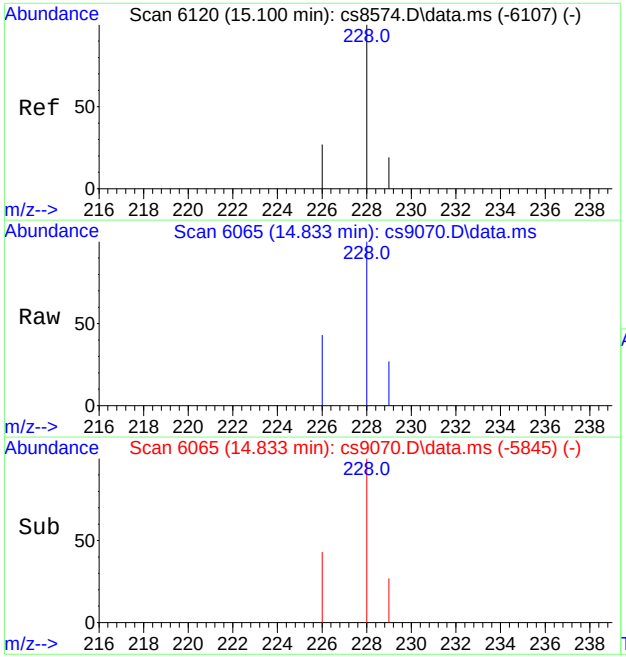


#24
Pyrene
Concen: 6.4790 ppb m
RT: 13.059 min Scan# 4705
Delta R.T. -0.001 min
Lab File: cs9070.D
Acq: 16 Oct 2025 06:46 pm

Tgt Ion:202 Resp: 1365

Ion	Ratio	Lower	Upper
202	100		
203	21.5	0.0	46.8
201	22.7	0.0	46.3

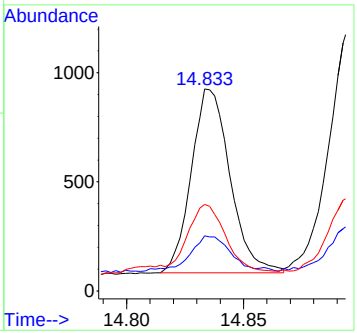


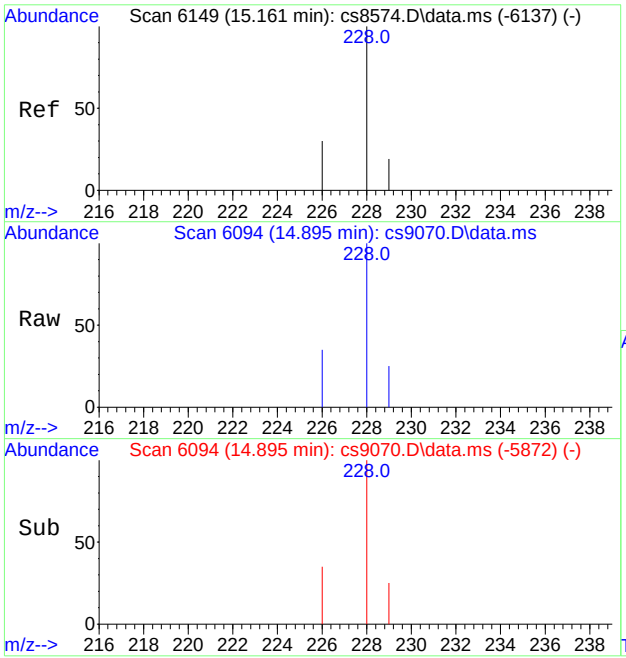


#26
Benzo[a]anthracene
Concen: 6.3961 ppb
RT: 14.833 min Scan# 6065
Delta R.T. -0.004 min
Lab File: cs9070.D
Acq: 16 Oct 2025 06:46 pm

Tgt Ion:228 Resp: 973

Ion	Ratio	Lower	Upper
228	100		
229	17.9	0.0	49.3
226	34.8	0.0	57.0

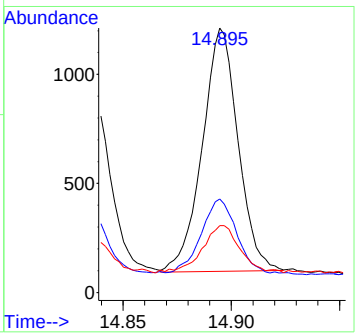


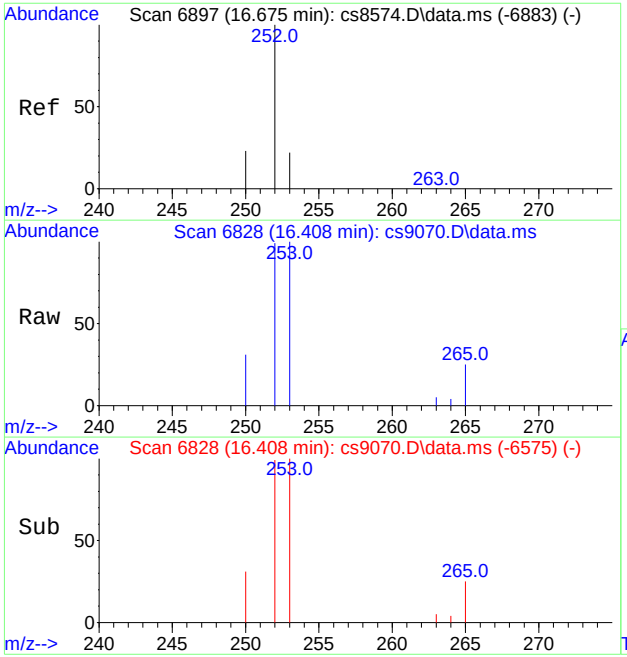


#27
Chrysene
Concen: 8.4900 ppb
RT: 14.895 min Scan# 6094
Delta R.T. -0.002 min
Lab File: cs9070.D
Acq: 16 Oct 2025 06:46 pm

Tgt Ion:228 Resp: 1282

Ion	Ratio	Lower	Upper
228	100		
226	30.2	0.0	60.0
229	18.8	0.0	49.2

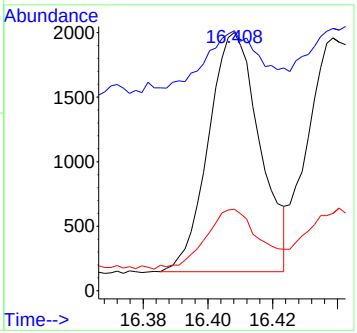


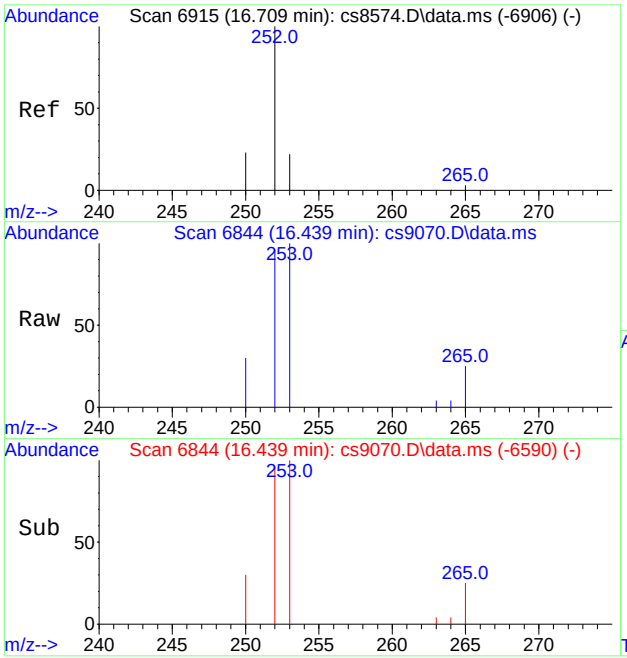


#29
Benzo[b]fluoranthene
Concen: 14.9733 ppb
RT: 16.408 min Scan# 6828
Delta R.T. -0.002 min
Lab File: cs9070.D
Acq: 16 Oct 2025 06:46 pm

Tgt Ion:252 Resp: 2046

Ion	Ratio	Lower	Upper
252	100		
253	22.9	0.0	51.4
250	23.3	0.0	53.5

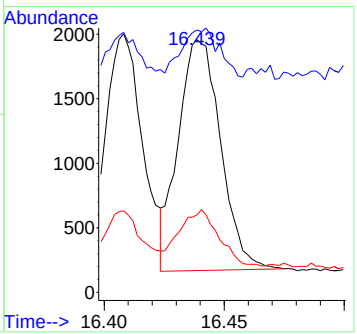


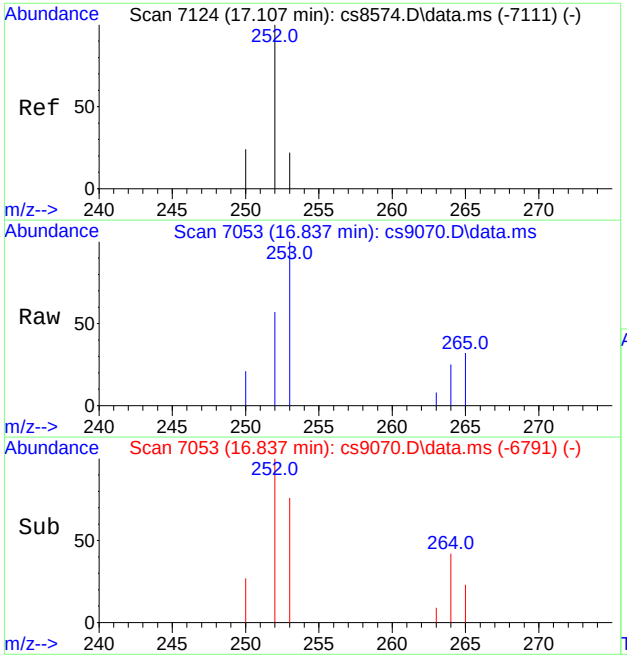


#30
Benzo[k]fluoranthene
Concen: 17.2341 ppb
RT: 16.439 min Scan# 6844
Delta R.T. -0.003 min
Lab File: cs9070.D
Acq: 16 Oct 2025 06:46 pm

Tgt Ion:252 Resp: 2196

Ion	Ratio	Lower	Upper
252	100		
253	20.5	0.0	51.6
250	21.1	0.0	52.9

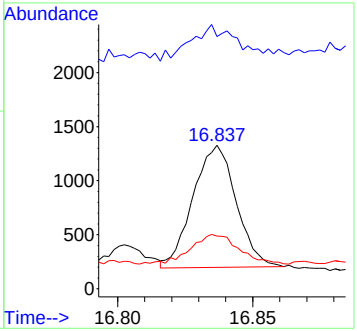


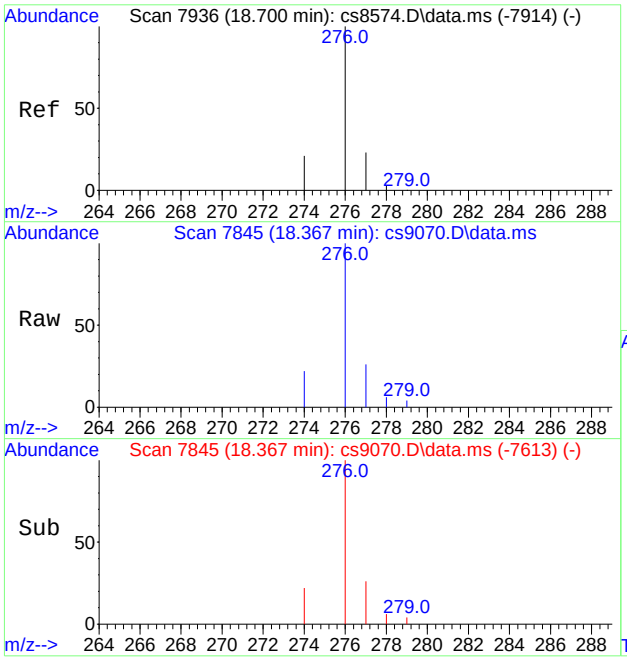


#31
Benzo[a]pyrene
Concen: 9.9050 ppb
RT: 16.837 min Scan# 7053
Delta R.T. -0.002 min
Lab File: cs9070.D
Acq: 16 Oct 2025 06:46 pm

Tgt Ion:252 Resp: 1255

Ion	Ratio	Lower	Upper
252	100		
253	17.2	0.0	51.6
250	22.3	0.0	54.2

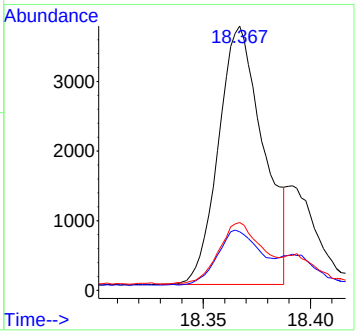


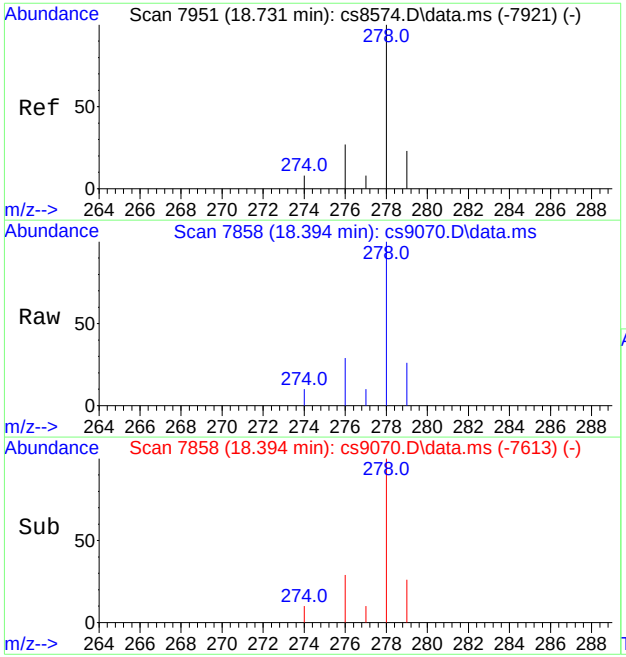


#32
Indeno[1,2,3-cd]pyrene
Concen: 53.9931 ppb
RT: 18.367 min Scan# 7845
Delta R.T. -0.004 min
Lab File: cs9070.D
Acq: 16 Oct 2025 06:46 pm

Tgt Ion:276 Resp: 5396

Ion	Ratio	Lower	Upper
276	100		
274	18.4	0.0	49.8
277	22.8	0.0	52.3

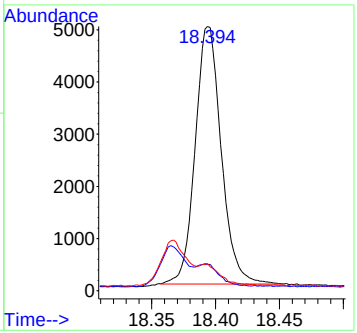


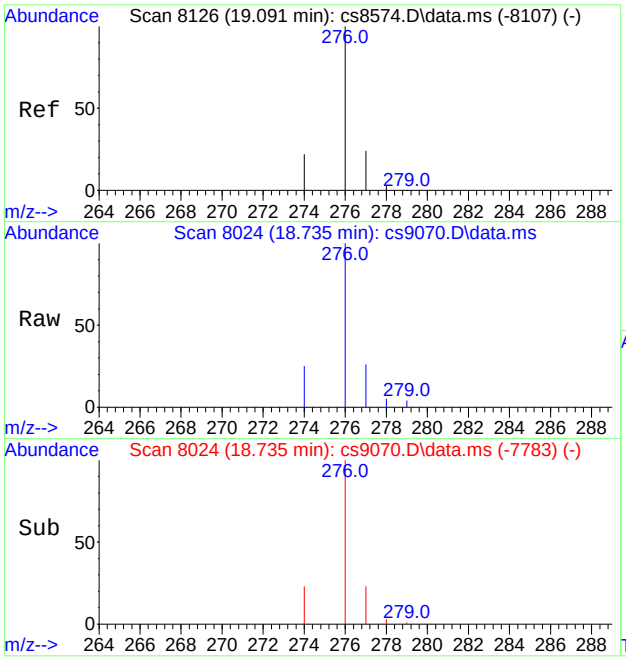


#33
Dibenz[a,h]anthracene
Concen: 74.6926 ppb
RT: 18.394 min Scan# 7858
Delta R.T. -0.004 min
Lab File: cs9070.D
Acq: 16 Oct 2025 06:46 pm

Tgt Ion:278 Resp: 6998

Ion	Ratio	Lower	Upper
278	100		
274	4.1	0.0	37.8
277	4.2	0.0	37.5

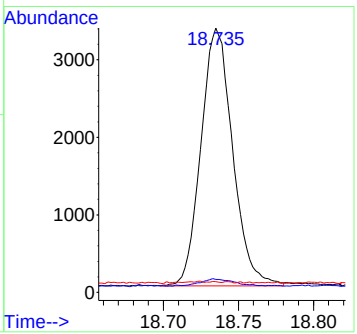




#34
Benzo[g,h,i]perylene
Concen: 49.0712 ppb
RT: 18.735 min Scan# 8024
Delta R.T. -0.004 min
Lab File: cs9070.D
Acq: 16 Oct 2025 06:46 pm

Tgt Ion:276 Resp: 4889

Ion	Ratio	Lower	Upper
276	100		
278	2.5	0.0	32.5
279	0.6	0.0	30.1



Manual Integration Approval Summary

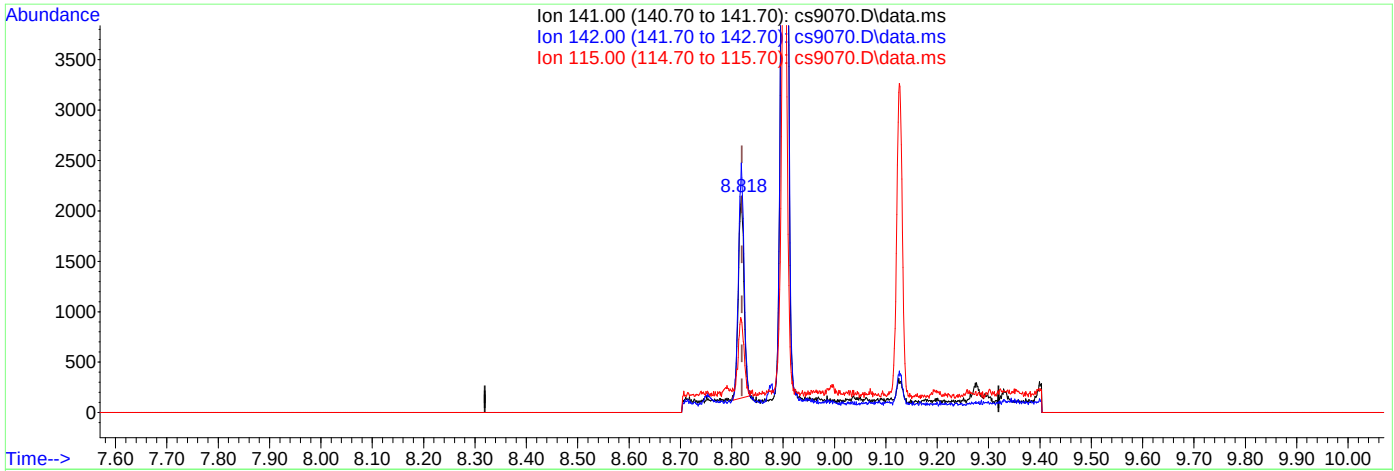
Sample Number: JE20825-5
Lab FileID: CS9070.D
Injection Time: 10/16/25 18:46
Method: SW846 8270E BY SIM
Analyst approved: 10/17/25 09:06 Alodia Hana Barrogo
Supervisor approved: 10/26/25 22:13 Jon Kreigmor Mamanta

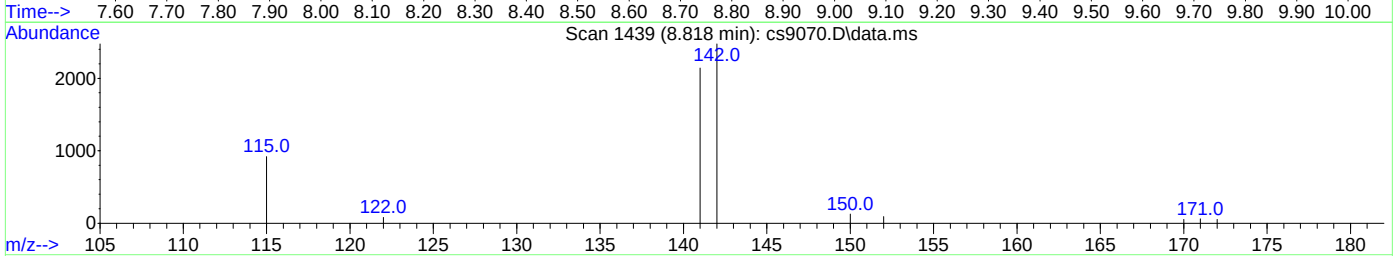
Parameter	CAS	Sig#	R.T. (min.)	Reason
2-Methylnaphthalene	91-57-6		8.82	Poor instrument integration
Fluoranthene	206-44-0		12.75	Poor instrument integration
Pyrene	129-00-0		13.06	Poor instrument integration

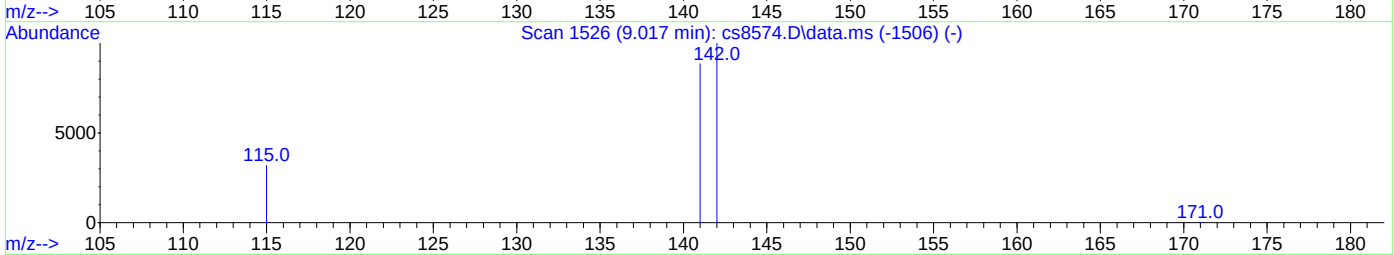
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\alodiab\ECS468\
Data File : cs9070.D
Acq On : 16 Oct 2025 06:46 pm
Operator : alejanda
Sample : je20825-5 Inst : GCMS_CS
Misc : op68138a,ecs468,250,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 17 12:12:29 2025
Quant Method : X:\Dayton SVOA GCMS\alodiab\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Fri Oct 17 11:54:32 2025
Response via : Initial Calibration







TIC: cs9070.D\data.ms

(9) 2-Methylnaphthalene (t)

8.818min (-0.001) 12.31ppb

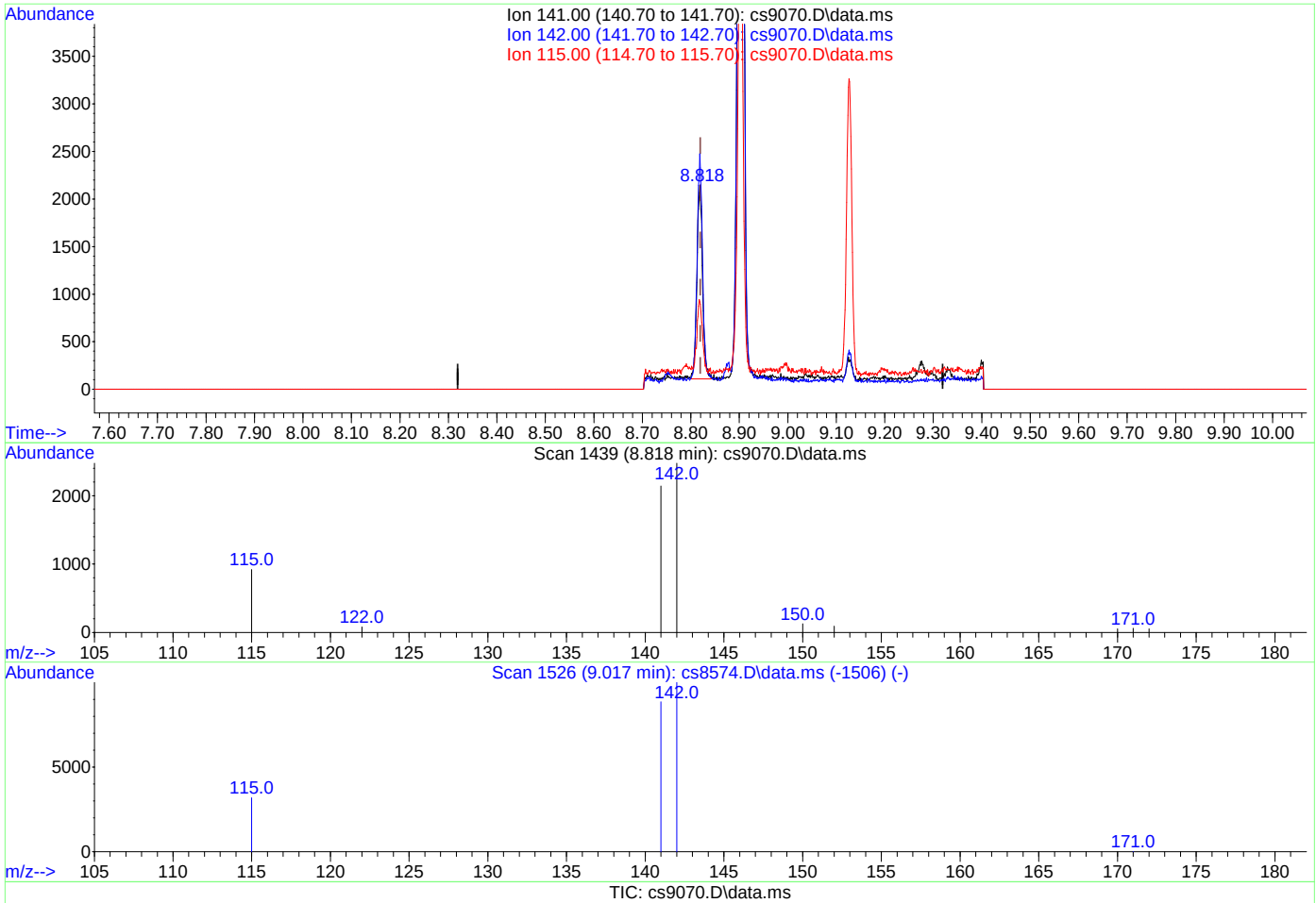
response 1528

Ion	Exp%	Act%
141.00	100	100
142.00	112.90	118.42
115.00	36.40	36.35
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\alodiab\ECS468\
Data File : cs9070.D
Acq On : 16 Oct 2025 06:46 pm
Operator : alejanda
Sample : je20825-5 Inst : GCMS_CS
Misc : op68138a,ecs468,250,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 17 12:12:29 2025
Quant Method : X:\Dayton SVOA GCMS\alodiab\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Fri Oct 17 11:54:32 2025
Response via : Initial Calibration



TIC: cs9070.D\data.ms

(9) 2-Methylnaphthalene (t)

8.818min (-0.001) 13.12ppb m

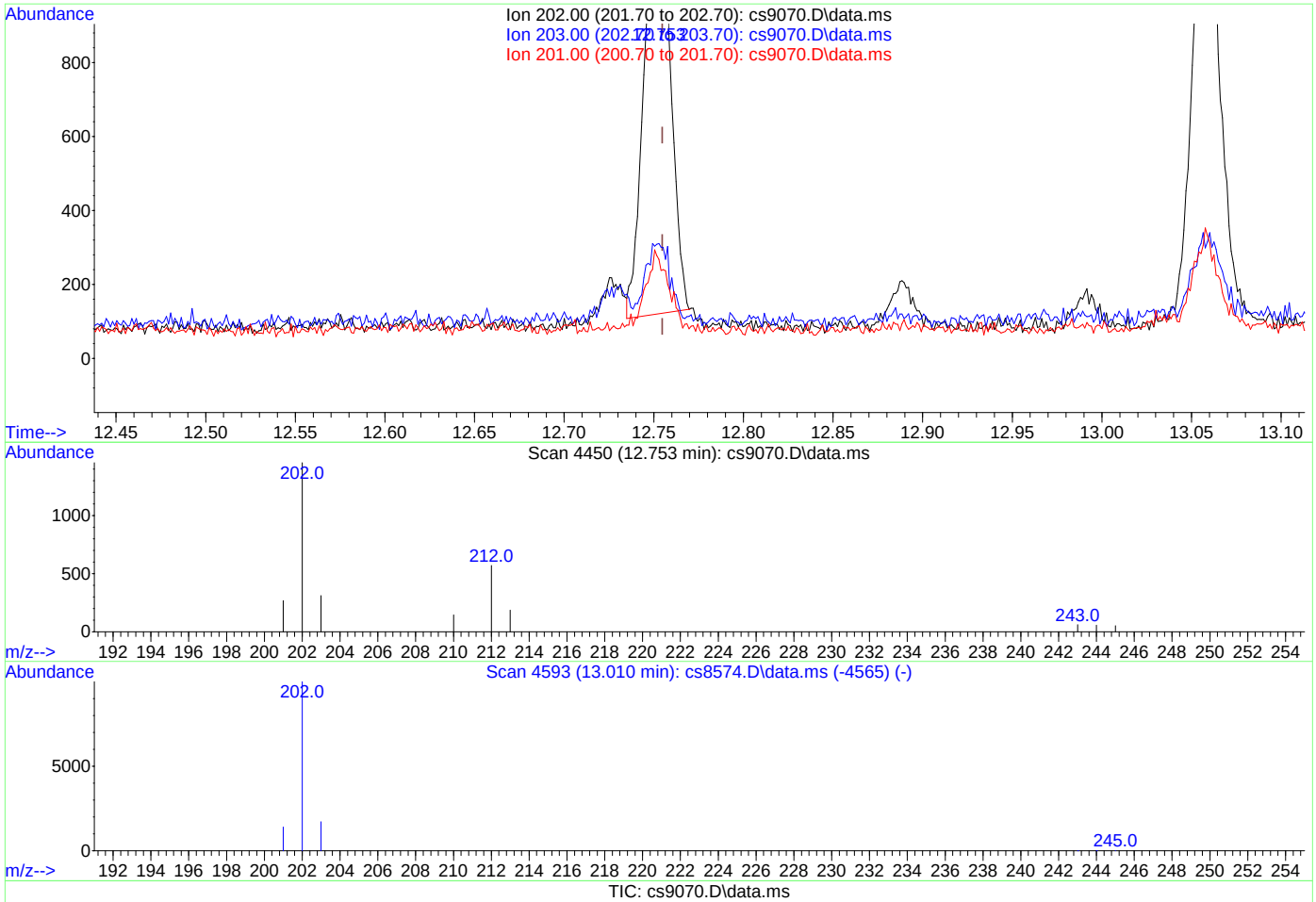
response 1629

Ion	Exp%	Act%
141.00	100	100
142.00	112.90	115.65
115.00	36.40	42.97
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\alodiab\ECS468\
Data File : cs9070.D
Acq On : 16 Oct 2025 06:46 pm
Operator : alejanda
Sample : je20825-5 Inst : GCMS_CS
Misc : op68138a,ecs468,250,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 17 12:12:29 2025
Quant Method : X:\Dayton SVOA GCMS\alodiab\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Fri Oct 17 11:54:32 2025
Response via : Initial Calibration



TIC: cs9070.D\data.ms

(23) Fluoranthene (t)

12.753min (-0.002) 5.93ppb

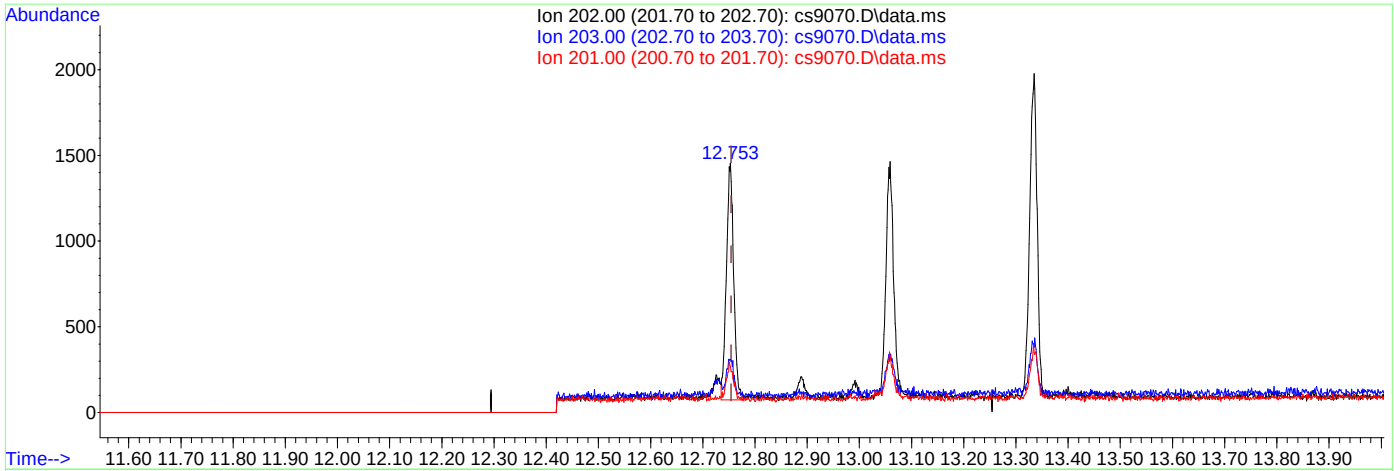
response 1229

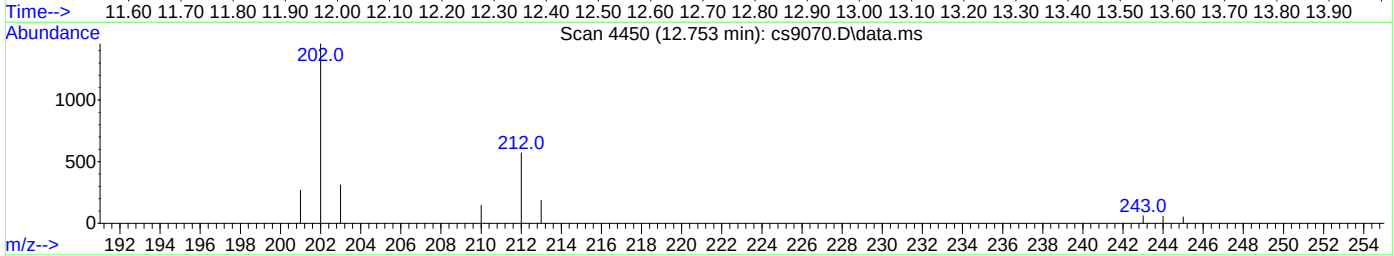
Ion	Exp%	Act%
202.00	100	100
203.00	16.80	12.76
201.00	13.60	13.99
0.00	0.00	0.00

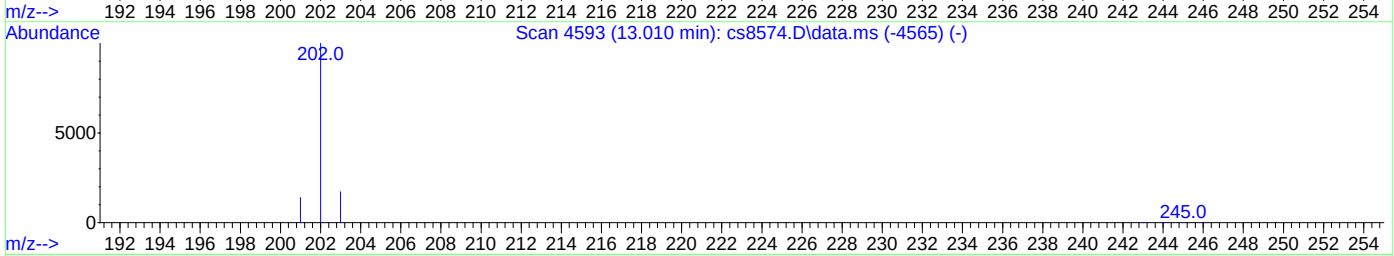
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\alodiab\ECS468\
Data File : cs9070.D
Acq On : 16 Oct 2025 06:46 pm
Operator : alejanda
Sample : je20825-5 Inst : GCMS_CS
Misc : op68138a,ecs468,250,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 17 12:12:29 2025
Quant Method : X:\Dayton SVOA GCMS\alodiab\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Fri Oct 17 11:54:32 2025
Response via : Initial Calibration







TIC: cs9070.D\data.ms

(23) Fluoranthene (t)

12.753min (-0.002) 6.49ppb m

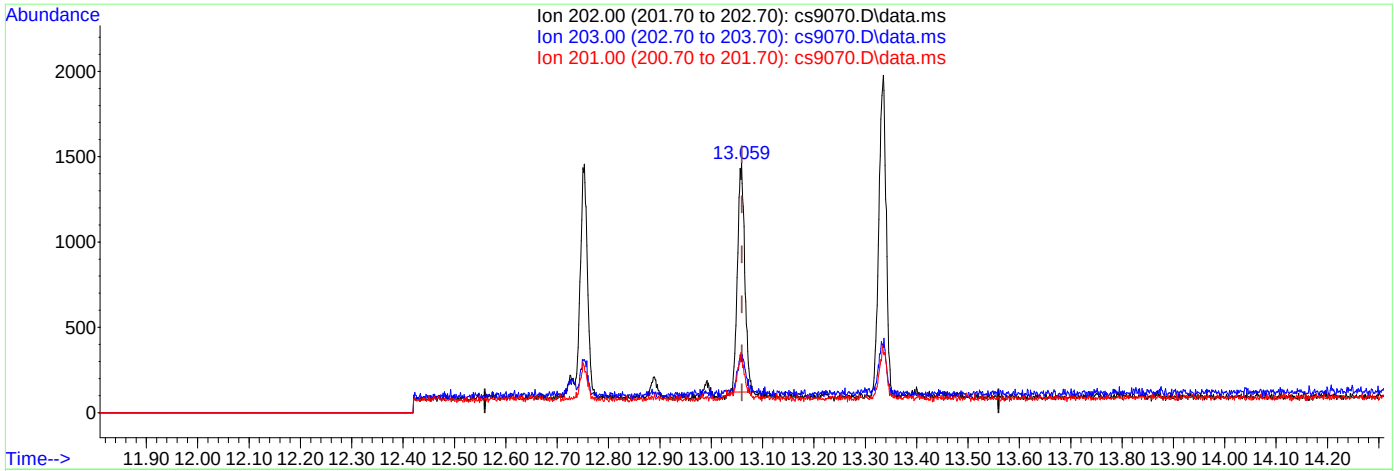
response 1345

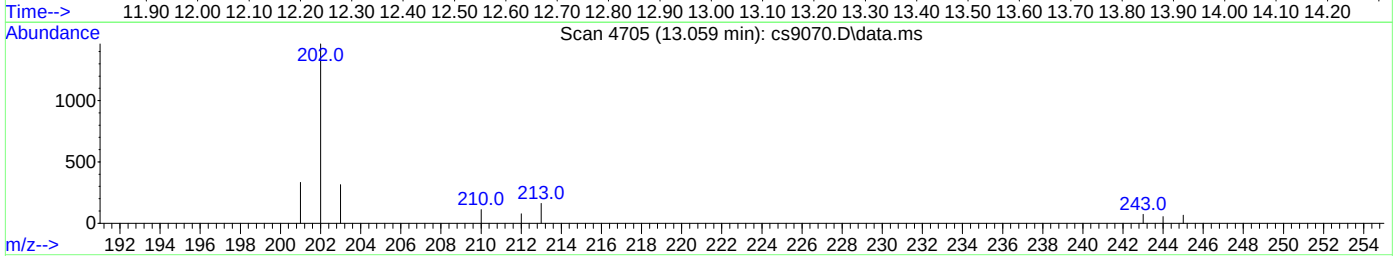
Ion	Exp%	Act%
202.00	100	100
203.00	16.80	21.36
201.00	13.60	18.41
0.00	0.00	0.00

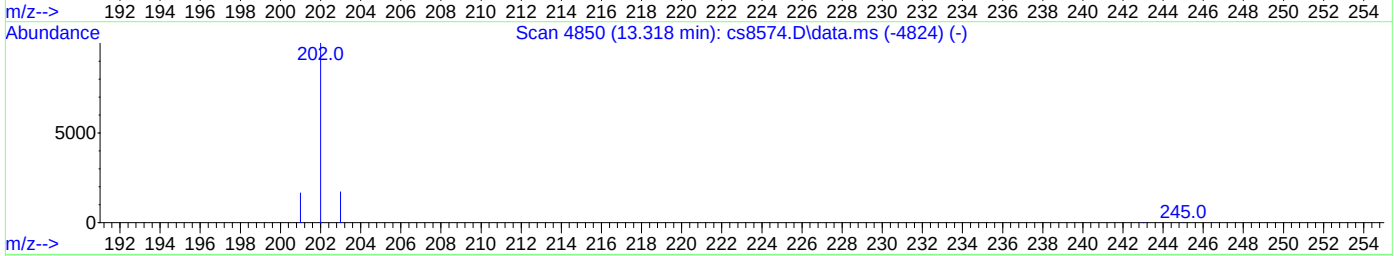
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\alodiab\ECS468\
Data File : cs9070.D
Acq On : 16 Oct 2025 06:46 pm
Operator : alejanda
Sample : je20825-5 Inst : GCMS_CS
Misc : op68138a,ecs468,250,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 17 12:12:29 2025
Quant Method : X:\Dayton SVOA GCMS\alodiab\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Fri Oct 17 11:54:32 2025
Response via : Initial Calibration







TIC: cs9070.D\data.ms

(24) Pyrene (t)

13.059min (-0.001) 6.24ppb

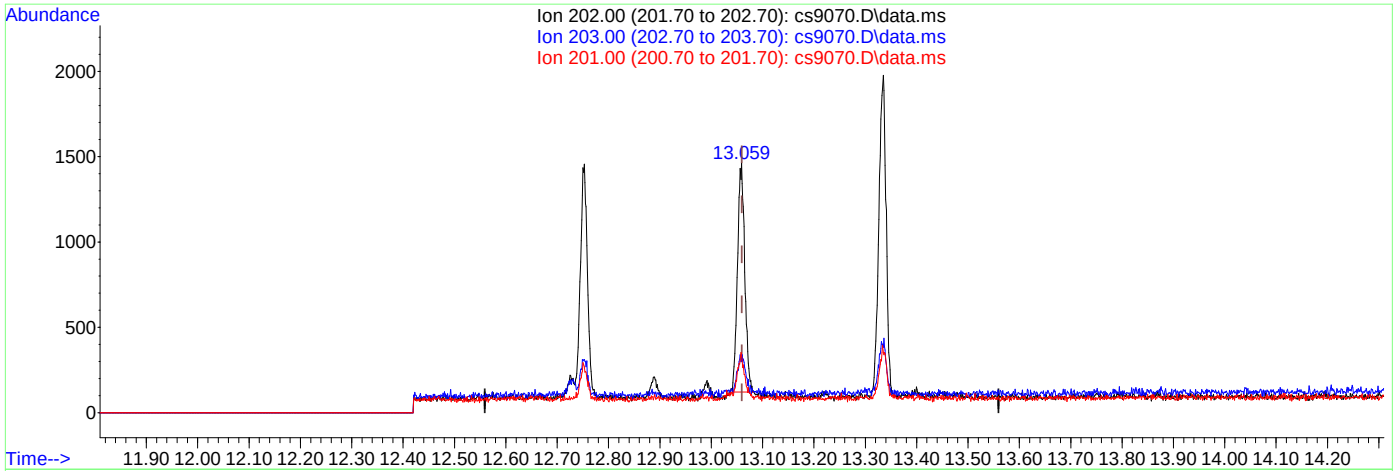
response 1314

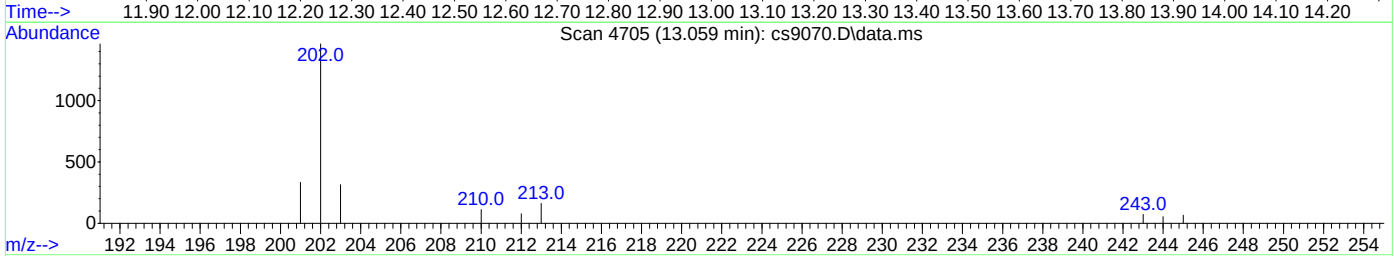
Ion	Exp%	Act%
202.00	100	100
203.00	16.80	13.87
201.00	16.30	17.09
0.00	0.00	0.00

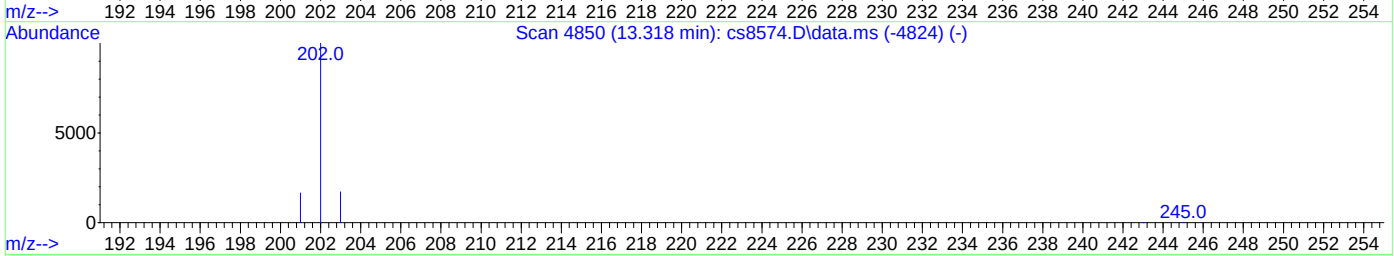
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\alodiab\ECS468\
Data File : cs9070.D
Acq On : 16 Oct 2025 06:46 pm
Operator : alejanda
Sample : je20825-5 Inst : GCMS_CS
Misc : op68138a,ecs468,250,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 17 12:12:29 2025
Quant Method : X:\Dayton SVOA GCMS\alodiab\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Fri Oct 17 11:54:32 2025
Response via : Initial Calibration







TIC: cs9070.D\data.ms

(24) Pyrene (t)

13.059min (-0.001) 6.24ppb

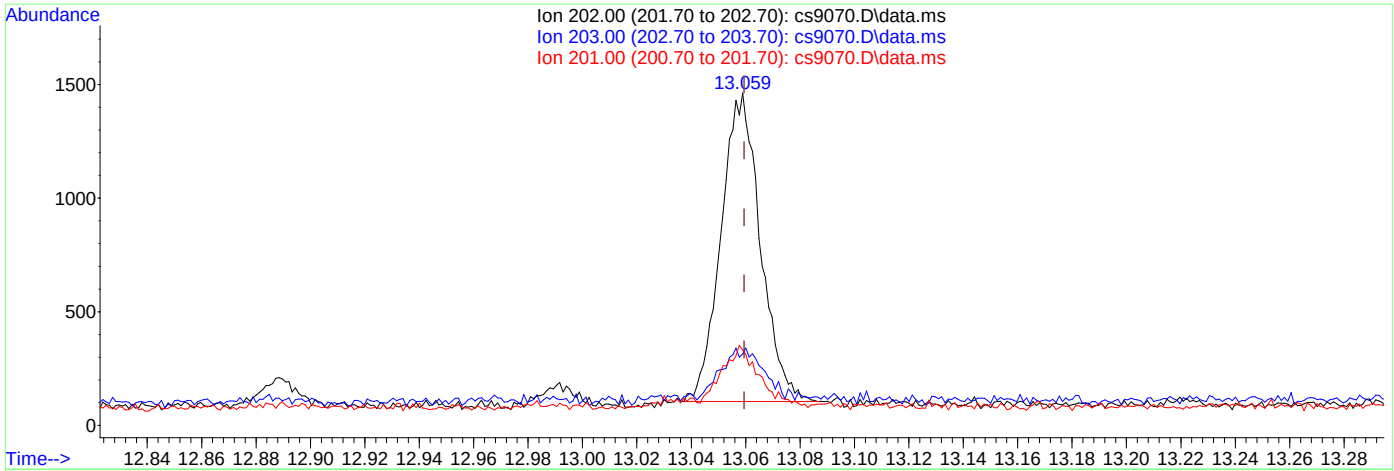
response 1314

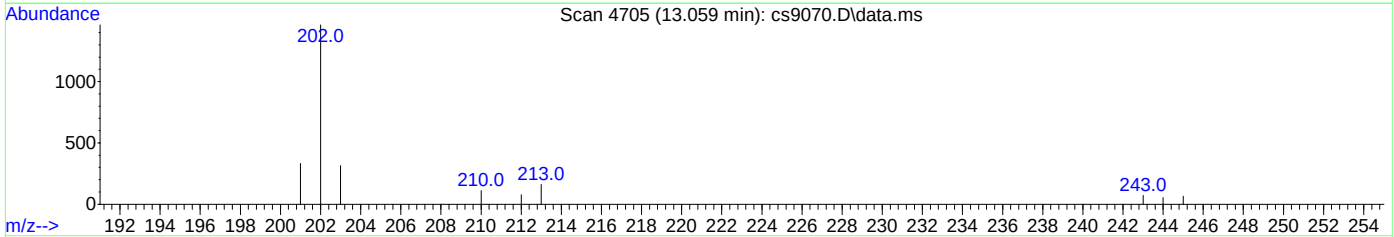
Ion	Exp%	Act%
202.00	100	100
203.00	16.80	13.87
201.00	16.30	17.09
0.00	0.00	0.00

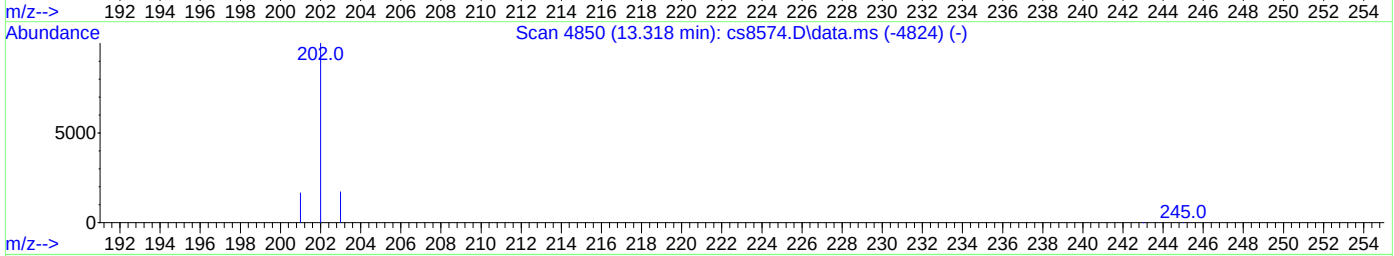
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\alodiab\ECS468\
Data File : cs9070.D
Acq On : 16 Oct 2025 06:46 pm
Operator : alejanda
Sample : je20825-5 Inst : GCMS_CS
Misc : op68138a,ecs468,250,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 17 12:12:29 2025
Quant Method : X:\Dayton SVOA GCMS\alodiab\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Fri Oct 17 11:54:32 2025
Response via : Initial Calibration







TIC: cs9070.D\data.ms

(24) Pyrene (t)

13.059min (-0.001) 6.48ppb m

response 1365

Ion	Exp%	Act%
202.00	100	100
203.00	16.80	21.53
201.00	16.30	22.69
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Jon Kreigmor Mamanta 10/26/25 22:13

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\nerirose\ecs475\
Data File : cs9255.D
Acq On : 24 Oct 2025 05:43 pm
Operator : alejanda
Sample : je20825-5 Inst : GCMS_CS
Misc : op68290a,ecs475,250,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 26 18:31:20 2025
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Sun Oct 26 17:18:53 2025
Response via : Initial Calibration

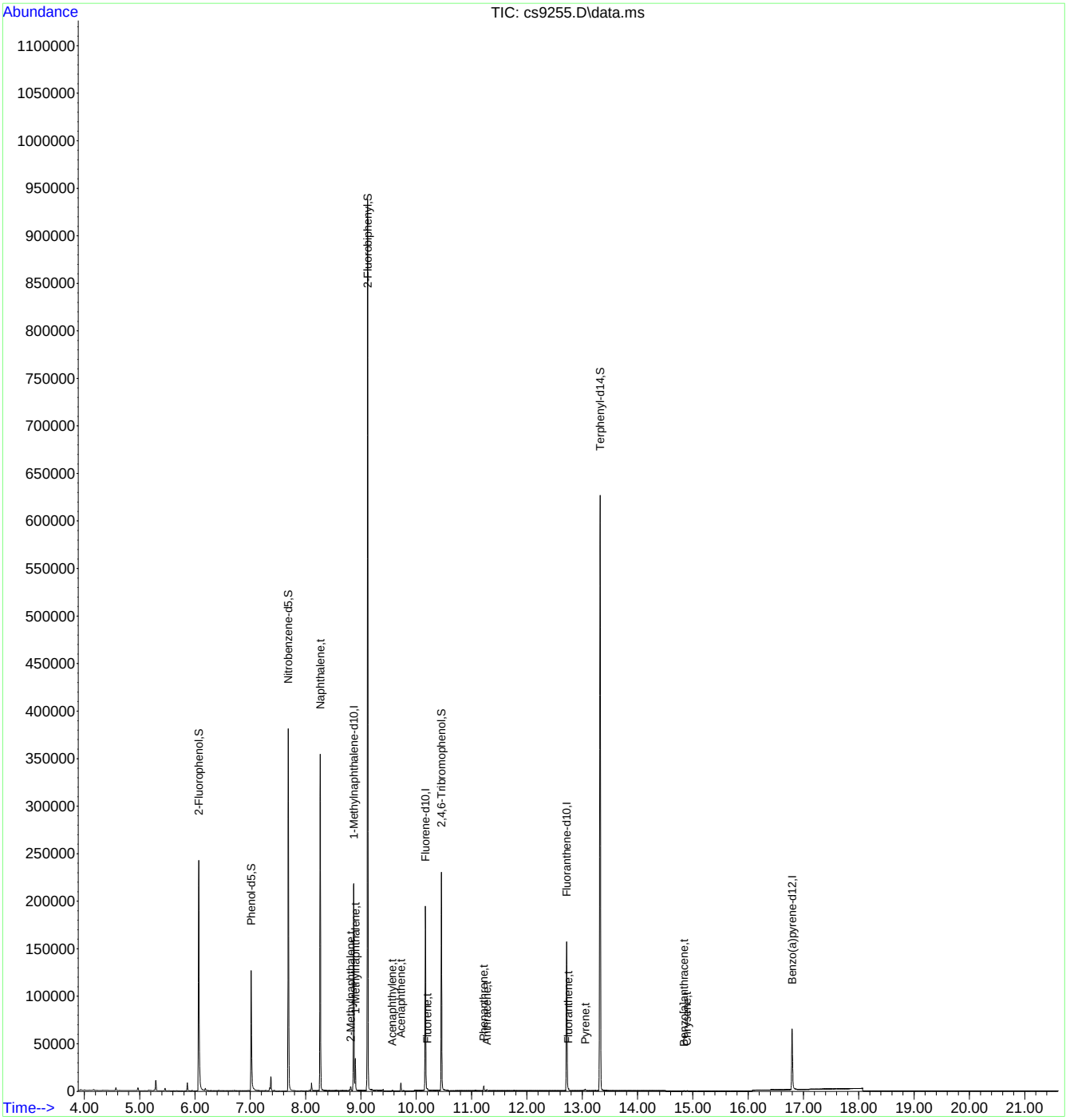
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	8.869	150	67675	800.00	ppb	0.00
11) Fluorene-d10	10.165	176	81745	800.00	ppb	0.00
18) Fluoranthene-d10	12.719	212	117281	800.00	ppb	0.00
28) Benzo(a)pyrene-d12	16.793	264	54530	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	6.068	112	123956	1911.60	ppb	0.00
Spiked Amount 10000.000			Recovery =	19.12%		
4) Phenol-d5	7.017	99	113616	1483.88	ppb	0.00
Spiked Amount 10000.000			Recovery =	14.84%		
6) Nitrobenzene-d5	7.687	82	198808	3146.67	ppb	0.00
Spiked Amount 10000.000			Recovery =	31.47%		
12) 2-Fluorobiphenyl	9.121	172	444007	3350.95	ppb	0.00
Spiked Amount 10000.000			Recovery =	33.51%		
17) 2,4,6-Tribromophenol	10.456	330	79628	5857.54	ppb	0.00
Spiked Amount 10000.000			Recovery =	58.58%		
25) Terphenyl-d14	13.324	244	441770	5251.00	ppb	0.00
Spiked Amount 10000.000			Recovery =	52.51%		
Target Compounds						Qvalue
7) Naphthalene	8.263	128	230059	947.0731	ppb	100
9) 2-Methylnaphthalene	8.815	141	1480	10.9708	ppb	92
10) 1-Methylnaphthalene	8.897	141	10962	85.4045	ppb	99
13) Acenaphthylene	9.562	152	415	2.0771	ppb	96
14) Acenaphthene	9.723	153	2867	20.6225	ppb	98
15) Fluorene	10.195	166	547	3.4466	ppb	92
21) Phenanthrene	11.218	178	3544	17.0374	ppb	97
22) Anthracene	11.275	178	897	4.6766	ppb	90
23) Fluoranthene	12.748	202	1205m	5.5186	ppb	
24) Pyrene	13.054	202	1331m	5.9998	ppb	
26) Benzo[a]anthracene	14.837	228	332	2.0726	ppb	87
27) Chrysene	14.894	228	410	2.5786	ppb	91

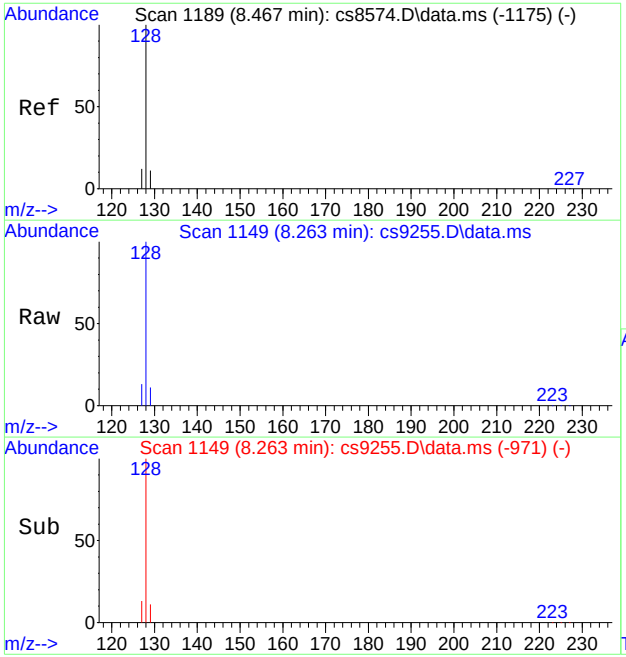
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\nerirose\ecs475\
Data File : cs9255.D
Acq On : 24 Oct 2025 05:43 pm
Operator : alejanda
Sample : je20825-5 Inst : GCMS_CS
Misc : op68290a,ecs475,250,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 26 18:31:20 2025
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Sun Oct 26 17:18:53 2025
Response via : Initial Calibration

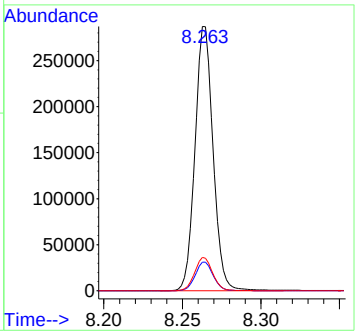


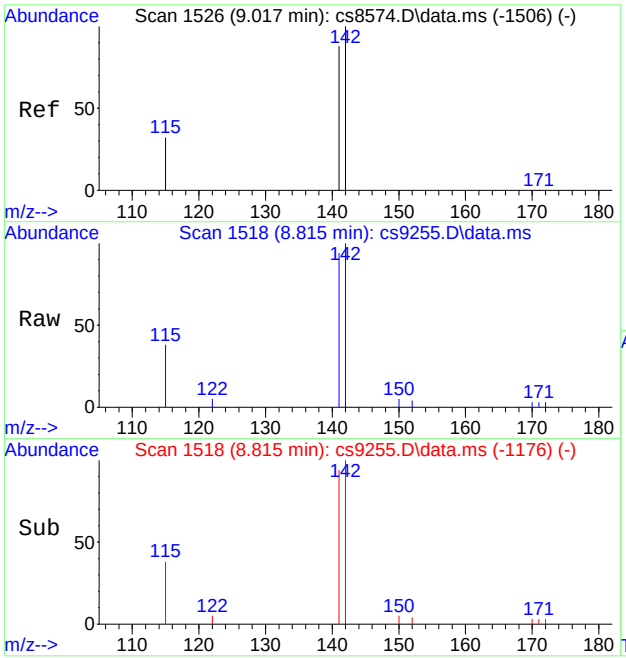


#7
Naphthalene
Concen: 947.0731 ppb
RT: 8.263 min Scan# 1149
Delta R.T. -0.004 min
Lab File: cs9255.D
Acq: 24 Oct 2025 05:43 pm

Tgt Ion:128 Resp: 230059

Ion	Ratio	Lower	Upper
128	100		
129	10.8	0.0	40.8
127	12.6	0.0	42.6

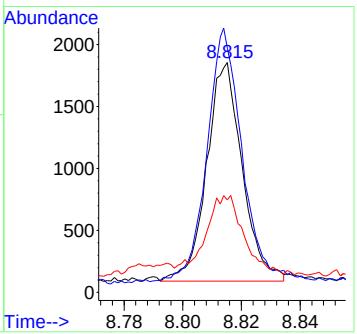


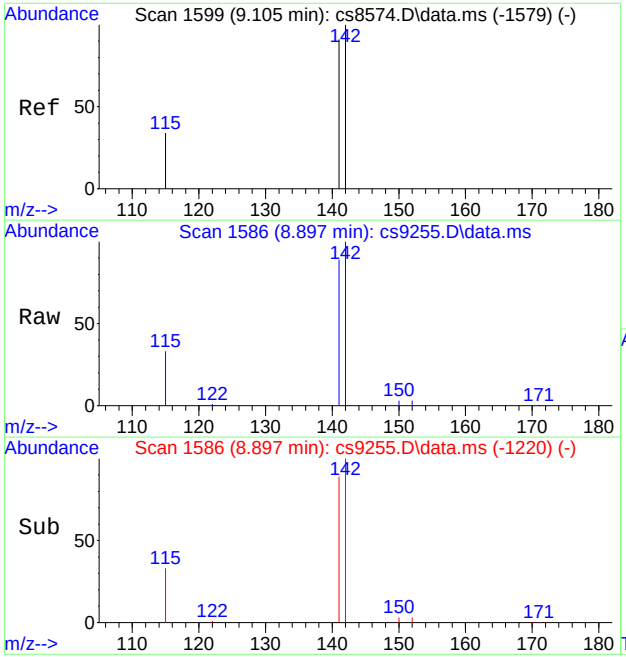


#9
2-Methylnaphthalene
Concen: 10.9708 ppb
RT: 8.815 min Scan# 1518
Delta R.T. 0.001 min
Lab File: cs9255.D
Acq: 24 Oct 2025 05:43 pm

Tgt Ion:141 Resp: 1480

Ion	Ratio	Lower	Upper
141	100		
142	105.4	84.8	144.8
115	32.5	5.6	65.6

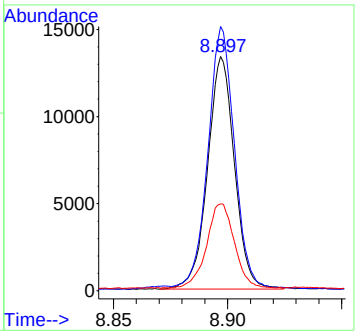


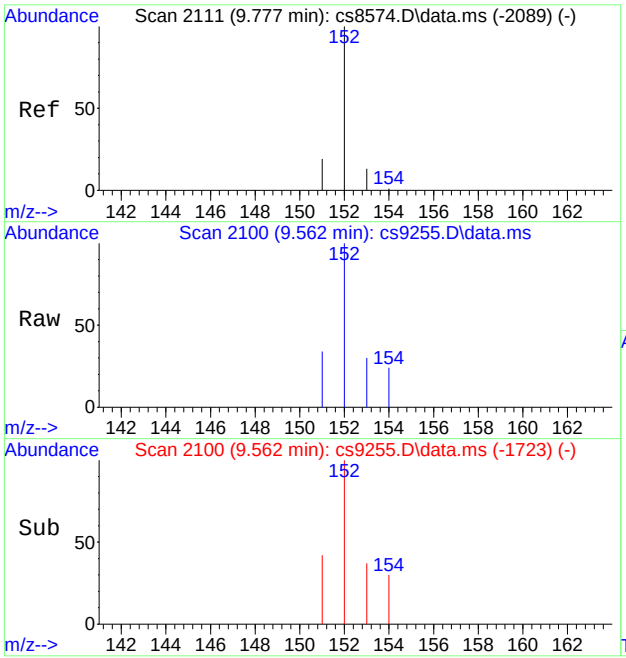


#10
1-Methylnaphthalene
Concen: 85.4045 ppb
RT: 8.897 min Scan# 1586
Delta R.T. -0.001 min
Lab File: cs9255.D
Acq: 24 Oct 2025 05:43 pm

Tgt Ion:141 Resp: 10962

Ion	Ratio	Lower	Upper
141	100		
142	112.2	80.5	140.5
115	36.3	6.7	66.7

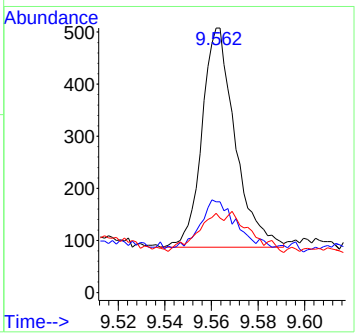


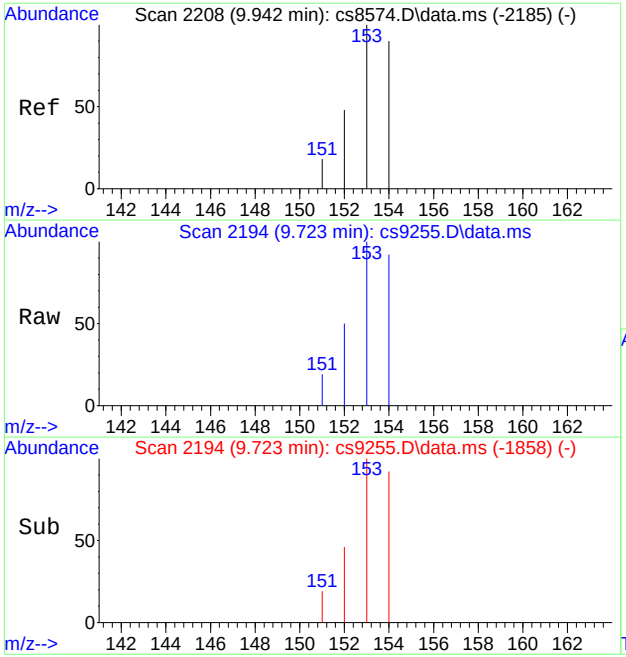


#13
Acenaphthylene
Concen: 2.0771 ppb
RT: 9.562 min Scan# 2100
Delta R.T. -0.000 min
Lab File: cs9255.D
Acq: 24 Oct 2025 05:43 pm

Tgt Ion:152 Resp: 415

Ion	Ratio	Lower	Upper
152	100		
151	19.3	0.0	49.1
153	17.0	0.0	42.9

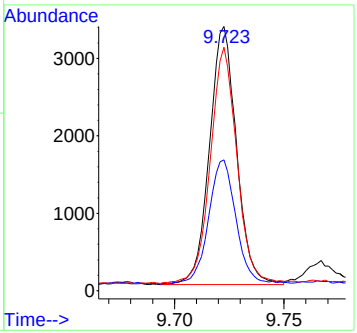


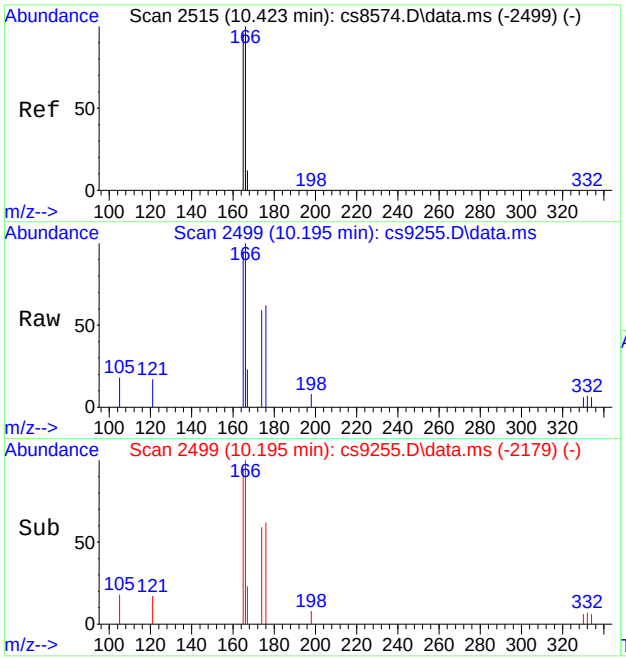


#14
Acenaphthene
Concen: 20.6225 ppb
RT: 9.723 min Scan# 2194
Delta R.T. -0.002 min
Lab File: cs9255.D
Acq: 24 Oct 2025 05:43 pm

Tgt Ion:153 Resp: 2867

Ion	Ratio	Lower	Upper
153	100		
152	48.1	17.1	77.1
154	91.5	59.9	119.9

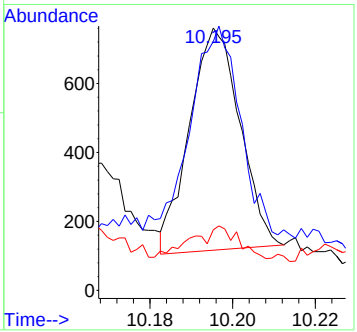


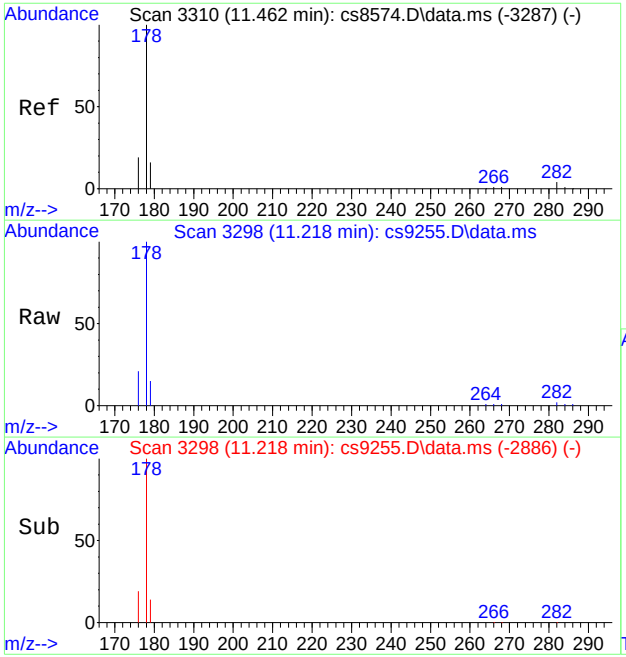


#15
Fluorene
Concen: 3.4466 ppb
RT: 10.195 min Scan# 2499
Delta R.T. -0.002 min
Lab File: cs9255.D
Acq: 24 Oct 2025 05:43 pm

Tgt Ion:166 Resp: 547

Ion	Ratio	Lower	Upper
166	100		
165	86.8	65.4	125.4
167	11.4	0.0	43.4

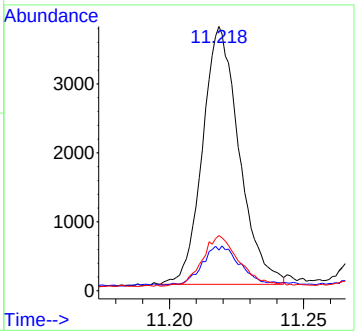


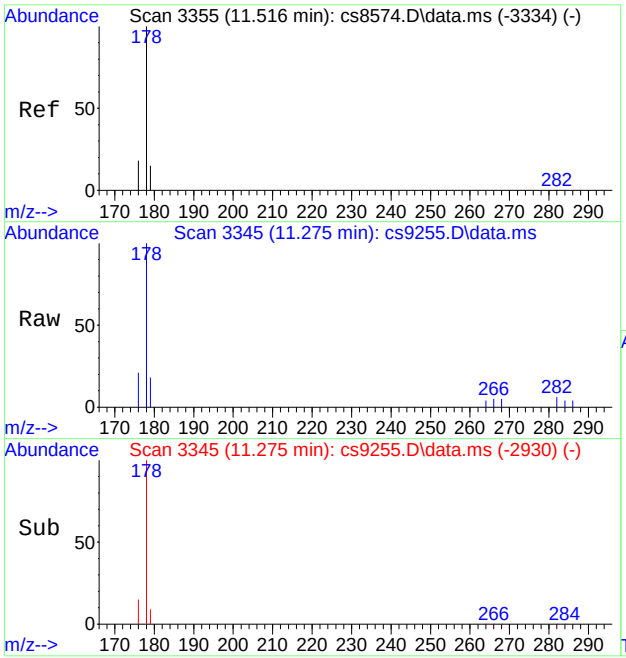


#21
Phenanthrene
Concen: 17.0374 ppb
RT: 11.218 min Scan# 3298
Delta R.T. -0.001 min
Lab File: cs9255.D
Acq: 24 Oct 2025 05:43 pm

Tgt Ion:178 Resp: 3544

Ion	Ratio	Lower	Upper
178	100		
179	13.2	0.0	45.5
176	19.2	0.0	48.8

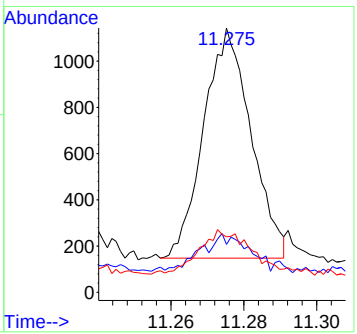


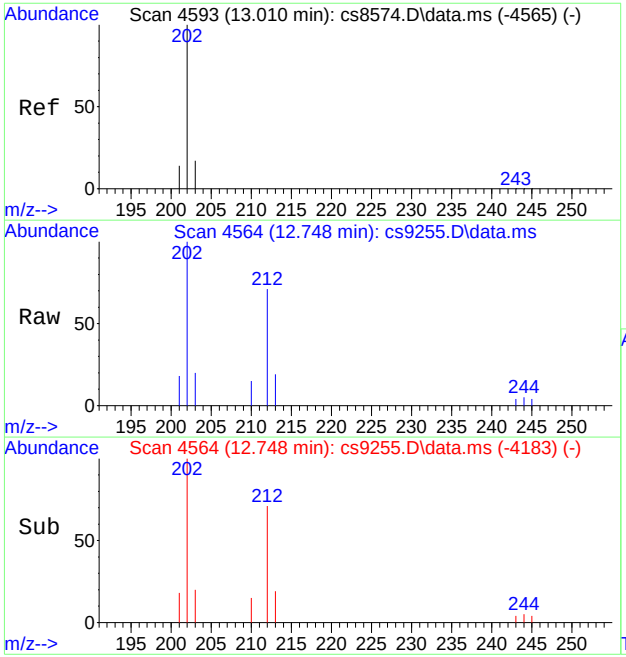


#22
Anthracene
Concen: 4.6766 ppb
RT: 11.275 min Scan# 3345
Delta R.T. 0.002 min
Lab File: cs9255.D
Acq: 24 Oct 2025 05:43 pm

Tgt Ion:178 Resp: 897

Ion	Ratio	Lower	Upper
178	100		
179	10.0	0.0	45.1
176	15.0	0.0	49.1

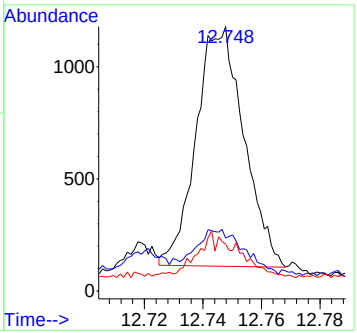


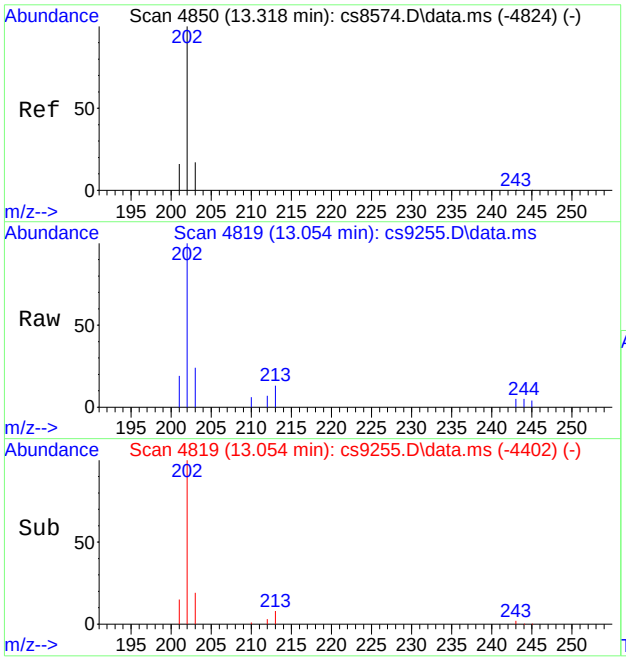


#23
Fluoranthene
Concen: 5.5186 ppb m
RT: 12.748 min Scan# 4564
Delta R.T. -0.002 min
Lab File: cs9255.D
Acq: 24 Oct 2025 05:43 pm

Tgt Ion:202 Resp: 1205

Ion	Ratio	Lower	Upper
202	100		
203	20.0	0.0	46.9
201	17.6	0.0	44.0

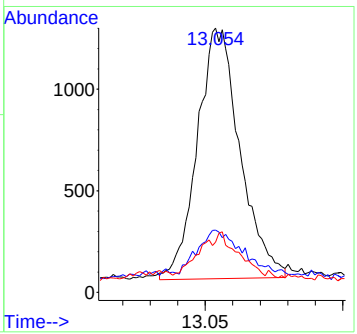


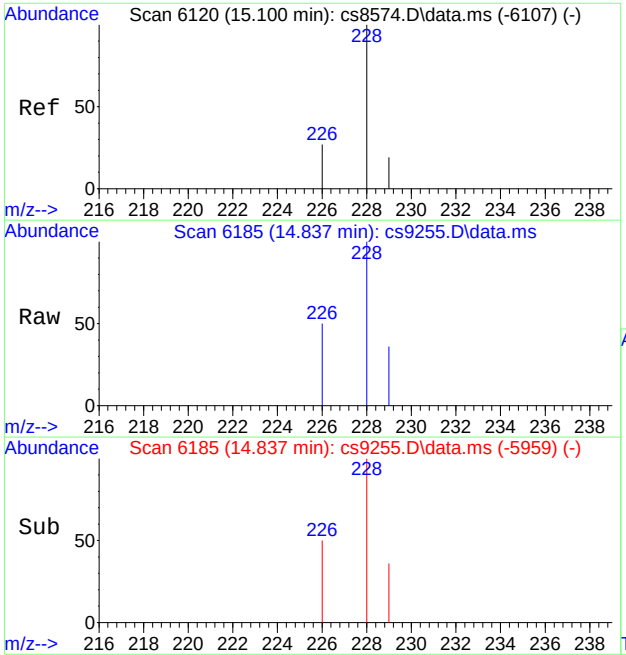


#24
Pyrene
Concen: 5.9998 ppb m
RT: 13.054 min Scan# 4819
Delta R.T. 0.001 min
Lab File: cs9255.D
Acq: 24 Oct 2025 05:43 pm

Tgt Ion:202 Resp: 1331

Ion	Ratio	Lower	Upper
202	100		
203	23.5	0.0	47.0
201	19.0	0.0	46.7

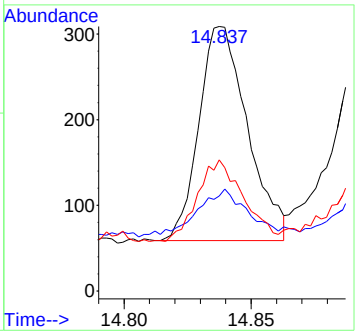


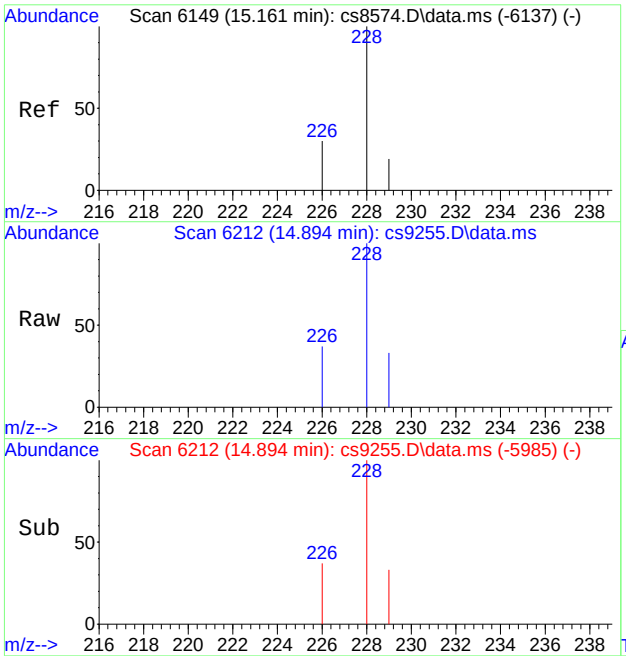


#26
Benzo[a]anthracene
Concen: 2.0726 ppb
RT: 14.837 min Scan# 6185
Delta R.T. 0.006 min
Lab File: cs9255.D
Acq: 24 Oct 2025 05:43 pm

Tgt Ion:228 Resp: 332

Ion	Ratio	Lower	Upper
228	100		
229	17.2	0.0	49.0
226	37.4	0.0	57.2

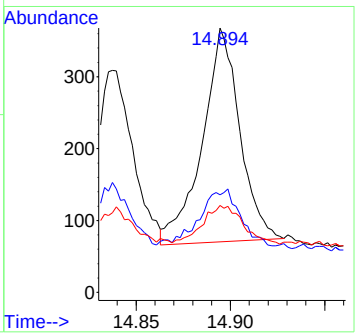




#27
Chrysene
Concen: 2.5786 ppb
RT: 14.894 min Scan# 6212
Delta R.T. 0.004 min
Lab File: cs9255.D
Acq: 24 Oct 2025 05:43 pm

Tgt Ion:228 Resp: 410

Ion	Ratio	Lower	Upper
228	100		
226	23.2	0.0	60.0
229	16.9	0.0	48.8



Manual Integration Approval Summary

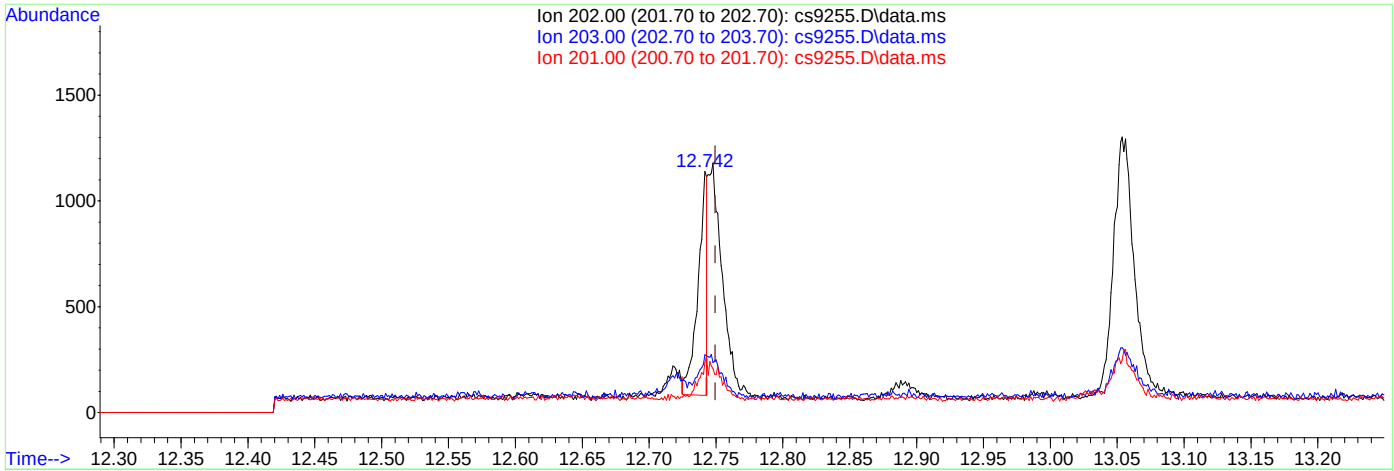
Sample Number: JE20825-5
Lab FileID: CS9255.D
Injection Time: 10/24/25 17:43
Method: SW846 8270E BY SIM
Analyst approved: 10/26/25 07:00 NeriRose Cuevas
Supervisor approved: 10/26/25 22:13 Jon Kreigmor Mamanta

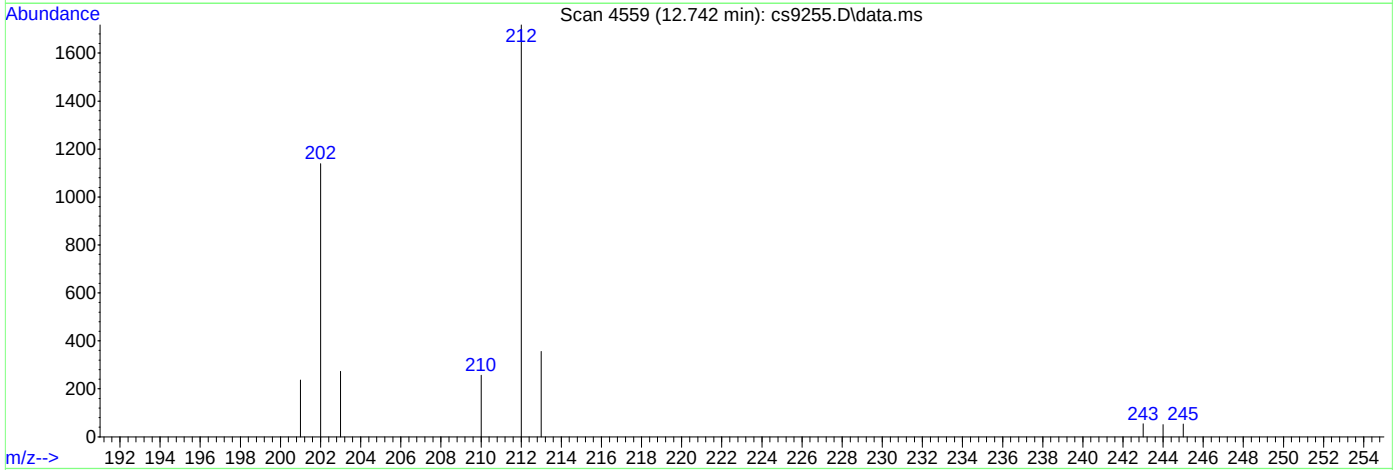
Parameter	CAS	Sig#	R.T. (min.)	Reason
Fluoranthene	206-44-0		12.75	Poor instrument integration
Pyrene	129-00-0		13.05	Poor instrument integration

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\nerirose\ecs475\
Data File : cs9255.D
Acq On : 24 Oct 2025 05:43 pm
Operator : alejanda
Sample : je20825-5 Inst : GCMS_CS
Misc : op68290a,ecs475,250,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 26 17:22:28 2025
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Sun Oct 26 17:18:53 2025
Response via : Initial Calibration





TIC: cs9255.D\data.ms

(23) Fluoranthene (t)

12.742min (-0.008) 2.22ppb

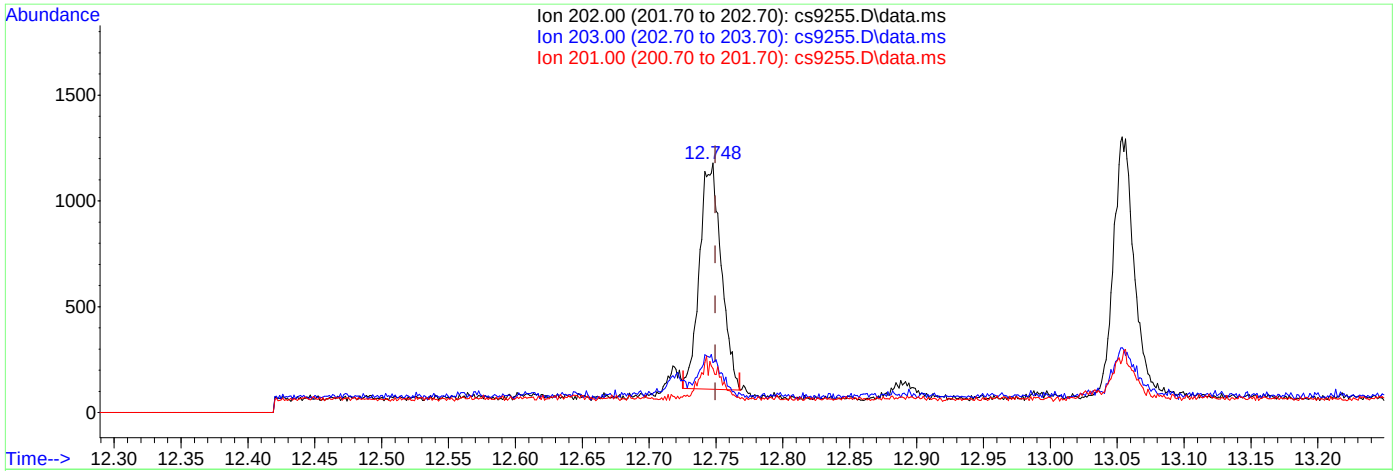
response 485

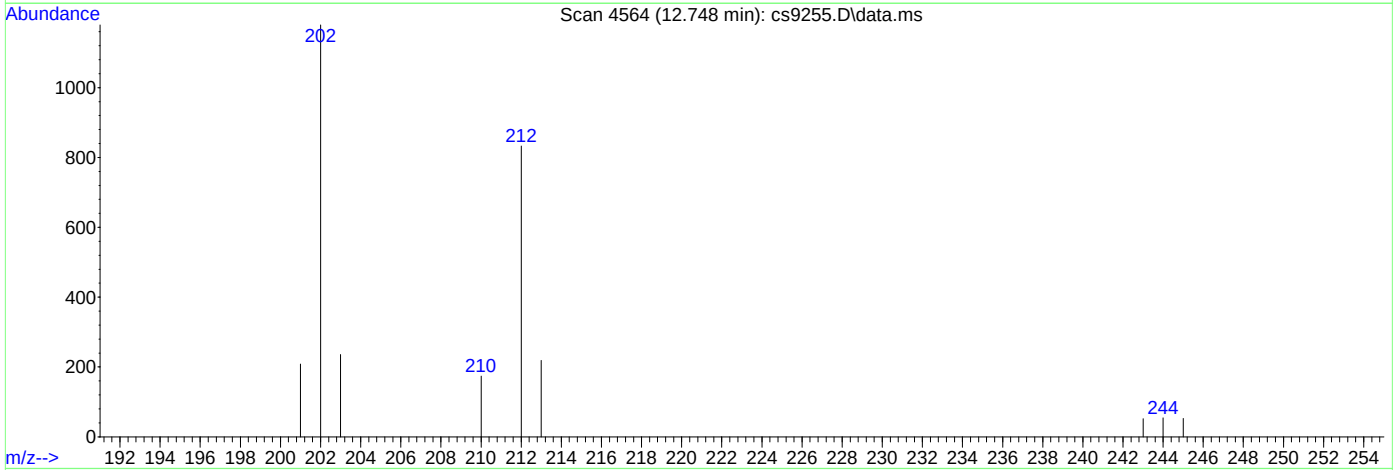
Ion	Exp%	Act%
202.00	100	100
203.00	16.90	12.50
201.00	14.00	13.09
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\nerirose\ecs475\
Data File : cs9255.D
Acq On : 24 Oct 2025 05:43 pm
Operator : alejanda
Sample : je20825-5 Inst : GCMS_CS
Misc : op68290a,ecs475,250,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 26 17:22:28 2025
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Sun Oct 26 17:18:53 2025
Response via : Initial Calibration





TIC: cs9255.D\data.ms

(23) Fluoranthene (t)

12.748min (-0.002) 5.52ppb m

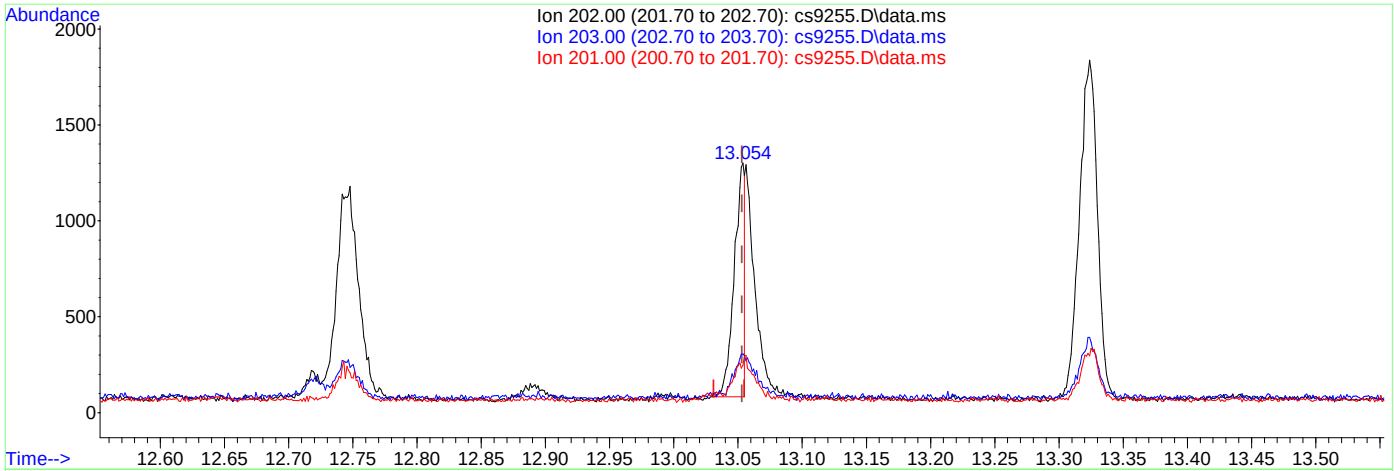
response 1205

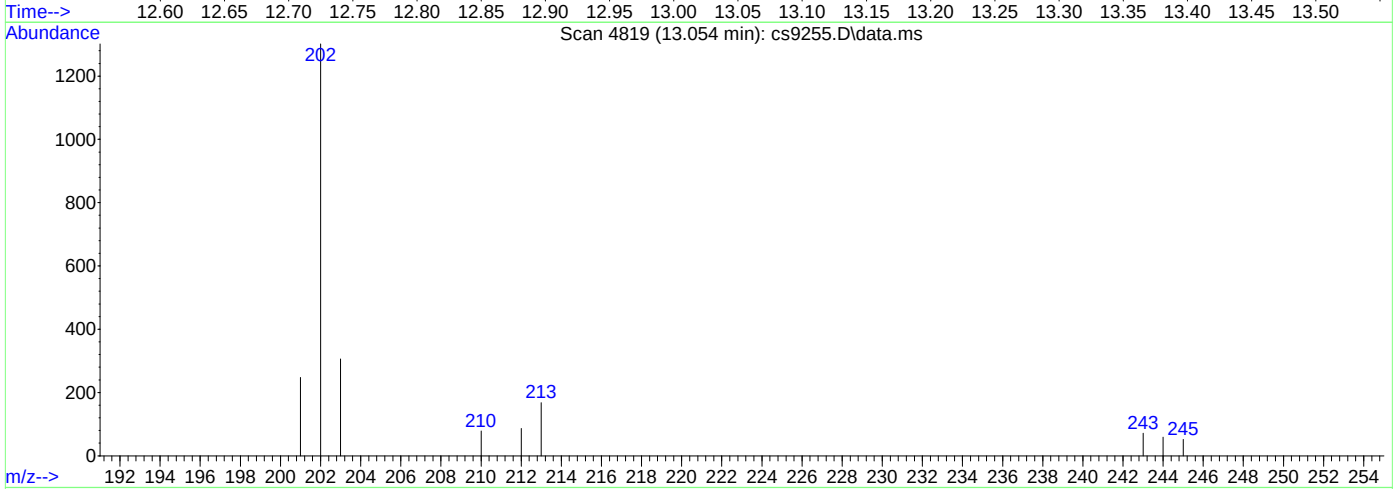
Ion	Exp%	Act%
202.00	100	100
203.00	16.90	20.00
201.00	14.00	17.63
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\nerirose\ecs475\
Data File : cs9255.D
Acq On : 24 Oct 2025 05:43 pm
Operator : alejanda
Sample : je20825-5 Inst : GCMS_CS
Misc : op68290a,ecs475,250,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 26 17:22:28 2025
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Sun Oct 26 17:18:53 2025
Response via : Initial Calibration





TIC: cs9255.D\data.ms

(24) Pyrene (t)

13.054min (+0.001) 3.07ppb

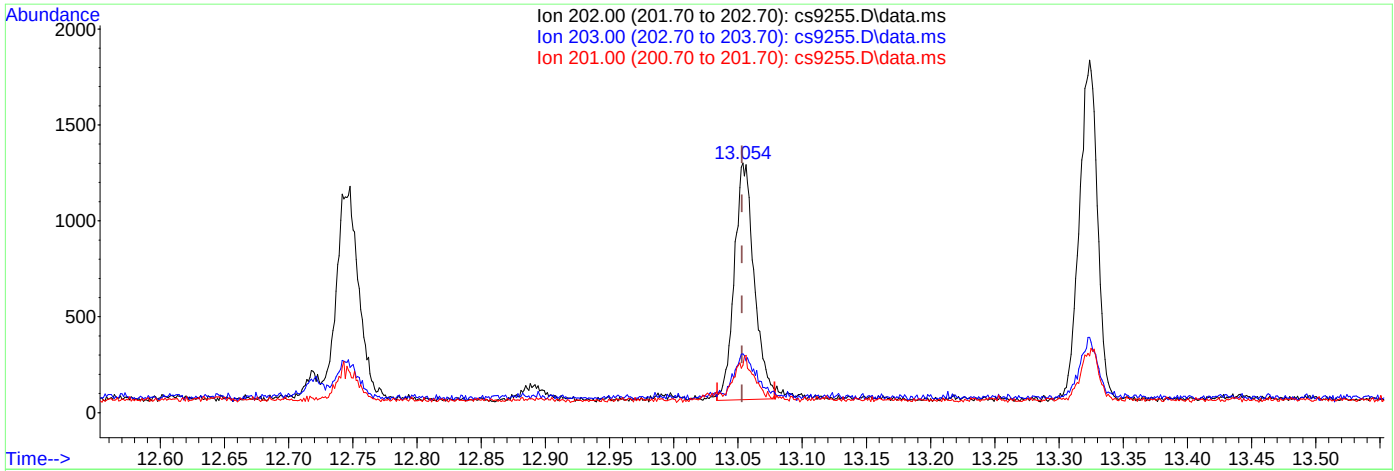
response 681

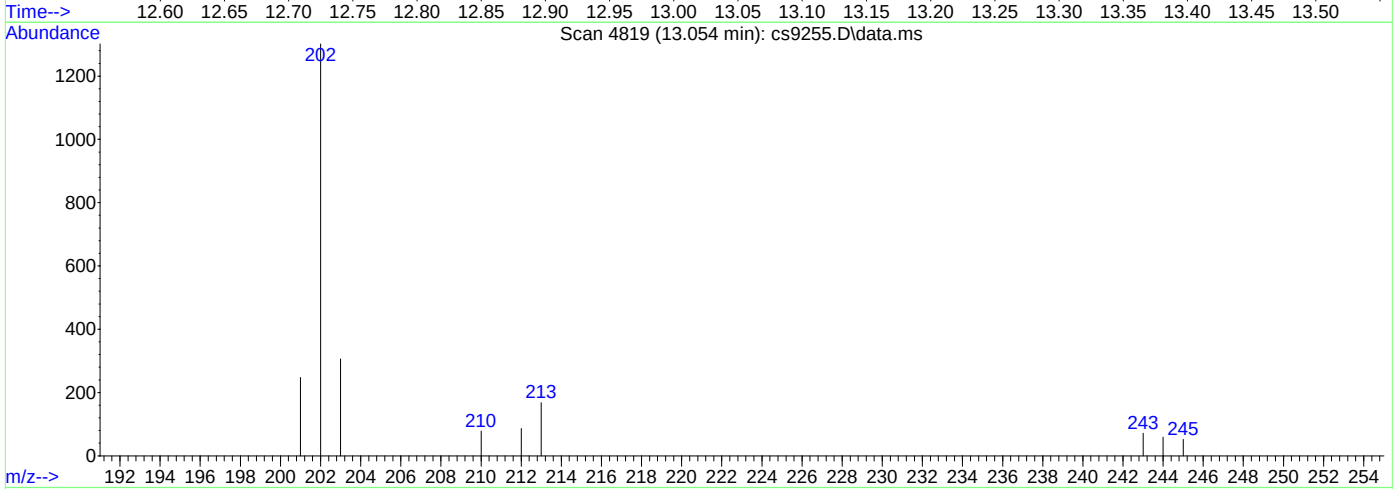
Ion	Exp%	Act%
202.00	100	100
203.00	17.00	16.85
201.00	16.70	9.16
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\nerirose\ecs475\
Data File : cs9255.D
Acq On : 24 Oct 2025 05:43 pm
Operator : alejanda
Sample : je20825-5 Inst : GCMS_CS
Misc : op68290a,ecs475,250,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 26 17:22:28 2025
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Sun Oct 26 17:18:53 2025
Response via : Initial Calibration





TIC: cs9255.D\data.ms

(24) Pyrene (t)

13.054min (+0.001) 6.00ppb m

response 1331

Ion	Exp%	Act%
202.00	100	100
203.00	17.00	23.50
201.00	16.70	19.05
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\recheleb\ecs468\
Data File : cs9063.D
Acq On : 16 Oct 2025 03:40 pm
Operator : alejanda
Sample : op68138a-mb1 Inst : GCMS_CS
Misc : op68138a,ecs468,250,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 17 01:55:25 2025
Quant Method : X:\Dayton SVOA GCMS\recheleb\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Fri Oct 17 01:42:09 2025
Response via : Initial Calibration

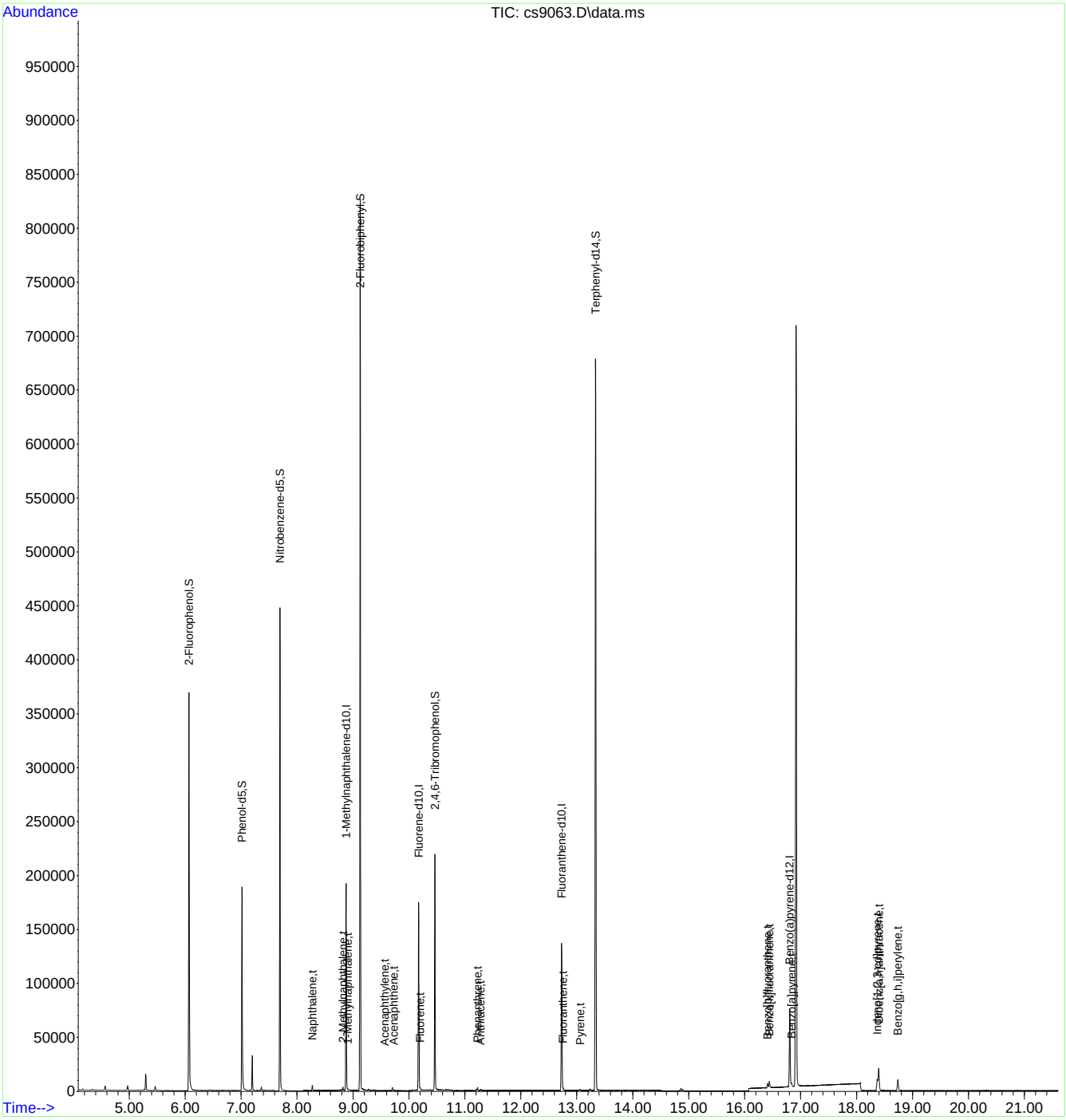
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	8.876	150	57558	800.00	ppb	0.00
11) Fluorene-d10	10.173	176	71950	800.00	ppb	0.00
18) Fluoranthene-d10	12.728	212	103450	800.00	ppb	0.00
28) Benzo(a)pyrene-d12	16.805	264	58846	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	6.069	112	174920	3171.69	ppb	0.00
Spiked Amount 10000.000			Recovery =	31.72%		
4) Phenol-d5	7.015	99	149508	2295.86	ppb	0.00
Spiked Amount 10000.000			Recovery =	22.96%		
6) Nitrobenzene-d5	7.694	82	225920	4204.31	ppb	0.00
Spiked Amount 10000.000			Recovery =	42.04%		
12) 2-Fluorobiphenyl	9.129	172	369602	3169.15	ppb	0.00
Spiked Amount 10000.000			Recovery =	31.69%		
17) 2,4,6-Tribromophenol	10.463	330	72497	6058.99	ppb	0.00
Spiked Amount 10000.000			Recovery =	60.59%		
25) Terphenyl-d14	13.336	244	465956	6278.96	ppb	0.00
Spiked Amount 10000.000			Recovery =	62.79%		
Target Compounds						Qvalue
7) Naphthalene	8.273	128	3245	15.7066	ppb	100
9) 2-Methylnaphthalene	8.820	141	902	7.8615	ppb	98
10) 1-Methylnaphthalene	8.904	141	383	3.5084	ppb	85
13) Acenaphthylene	9.566	152	338	1.9220	ppb	96
14) Acenaphthene	9.729	153	340	2.7786	ppb	82
15) Fluorene	10.201	166	732	5.2402	ppb	90
21) Phenanthrene	11.224	178	1773	9.6631	ppb	82
22) Anthracene	11.277	178	807	4.7699	ppb	98
23) Fluoranthene	12.752	202	813	4.2211	ppb	91
24) Pyrene	13.060	202	711	3.6335	ppb	92
29) Benzo[b]fluoranthene	16.409	252	2605	20.2568	ppb	99
30) Benzo[k]fluoranthene	16.441	252	4709	39.2677	ppb	97
31) Benzo[a]pyrene	16.837	252	2015	16.8980	ppb	97
32) Indeno[1,2,3-cd]pyrene	18.370	276	10194	108.3832	ppb	95
33) Dibenz[a,h]anthracene	18.397	278	17507	198.5484	ppb	96
34) Benzo[g,h,i]perylene	18.738	276	9949	106.1053	ppb	98

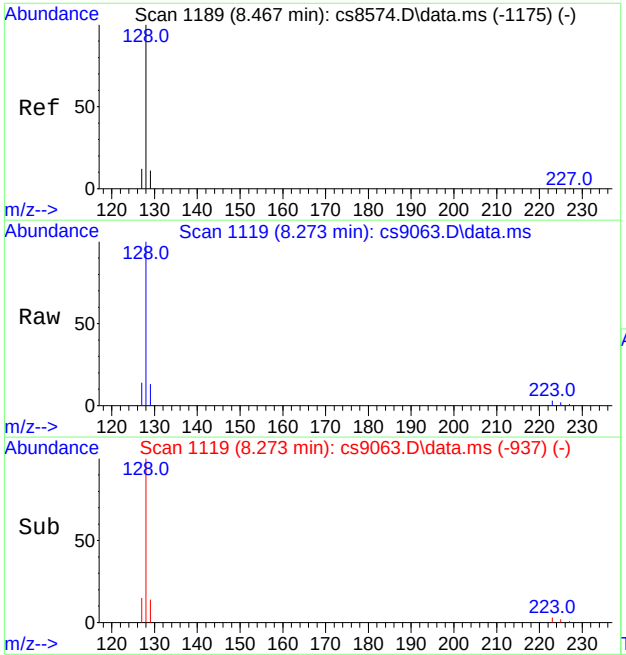
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\recheleb\ecs468\
Data File : cs9063.D
Acq On : 16 Oct 2025 03:40 pm
Operator : alejanda
Sample : op68138a-mb1 Inst : GCMS_CS
Misc : op68138a,ecs468,250,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 17 01:55:25 2025
Quant Method : X:\Dayton SVOA GCMS\recheleb\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Fri Oct 17 01:42:09 2025
Response via : Initial Calibration

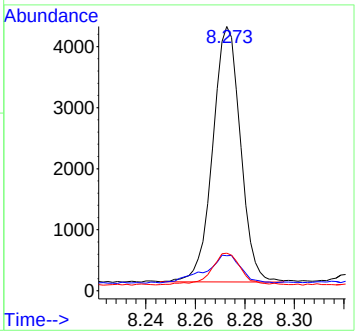


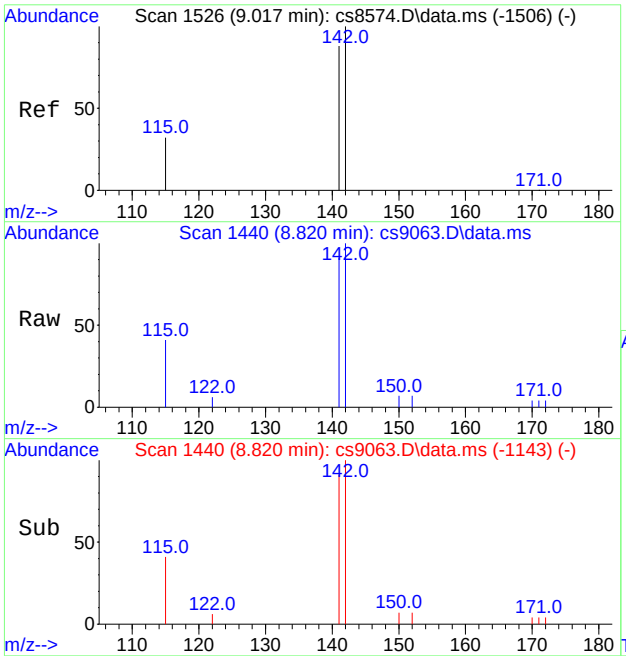


#7
Naphthalene
Concen: 15.7066 ppb
RT: 8.273 min Scan# 1119
Delta R.T. 0.000 min
Lab File: cs9063.D
Acq: 16 Oct 2025 03:40 pm

Tgt Ion:128 Resp: 3245

Ion	Ratio	Lower	Upper
128	100		
129	10.5	0.0	40.8
127	12.3	0.0	42.4

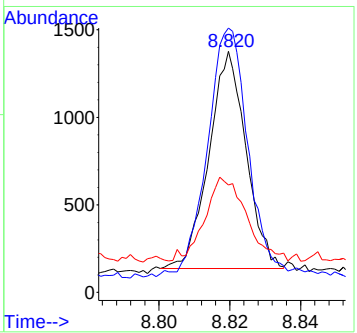


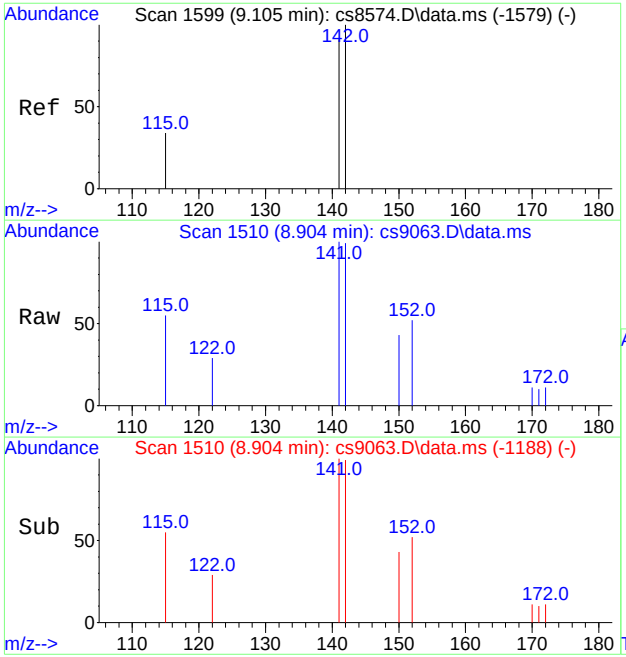


#9
2-Methylnaphthalene
Concen: 7.8615 ppb
RT: 8.820 min Scan# 1440
Delta R.T. 0.000 min
Lab File: cs9063.D
Acq: 16 Oct 2025 03:40 pm

Tgt Ion:141 Resp: 902

Ion	Ratio	Lower	Upper
141	100		
142	111.8	83.1	143.1
115	32.7	5.8	65.8

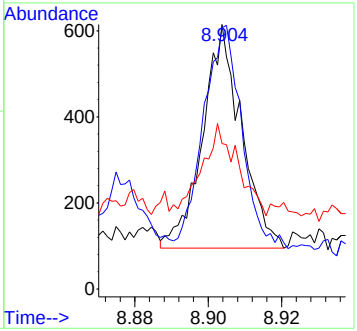


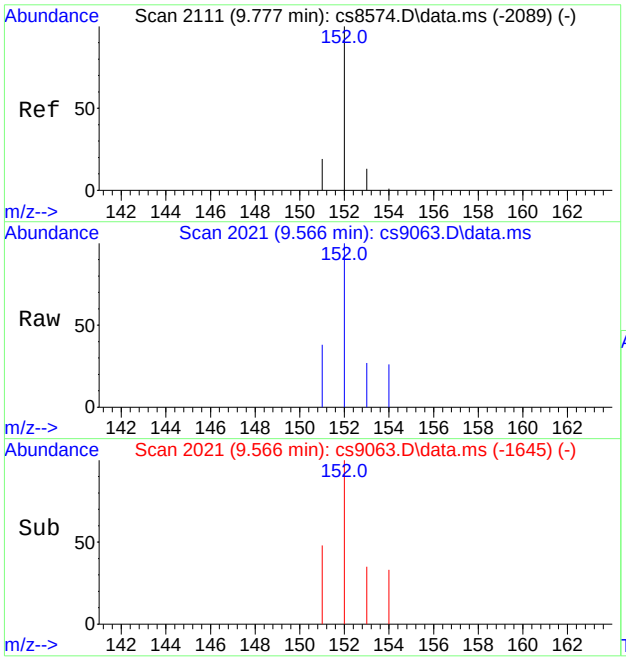


#10
1-Methylnaphthalene
Concen: 3.5084 ppb
RT: 8.904 min Scan# 1510
Delta R.T. -0.001 min
Lab File: cs9063.D
Acq: 16 Oct 2025 03:40 pm

Tgt Ion:141 Resp: 383

Ion	Ratio	Lower	Upper
141	100		
142	96.4	80.8	140.8
115	26.8	7.2	67.2

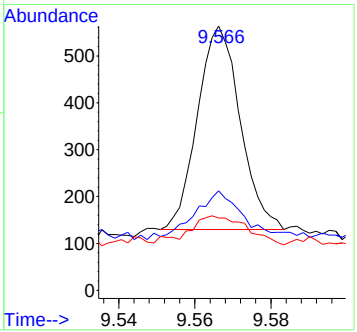


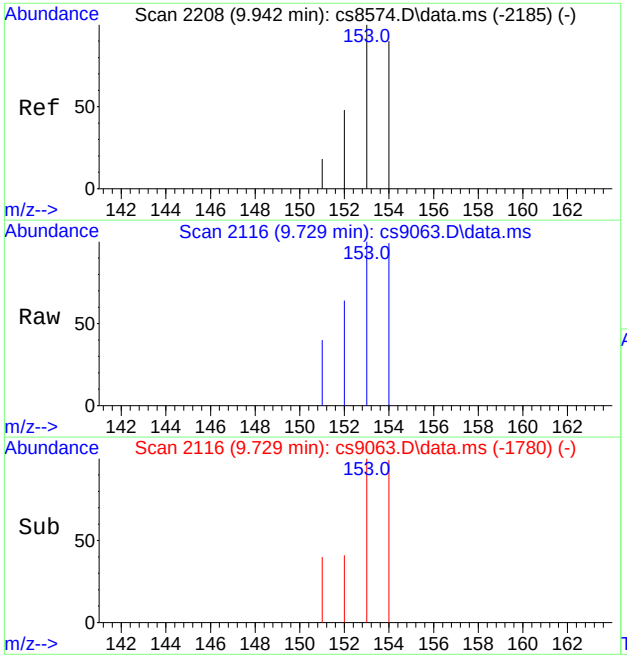


#13
Acenaphthylene
Concen: 1.9220 ppb
RT: 9.566 min Scan# 2021
Delta R.T. 0.000 min
Lab File: cs9063.D
Acq: 16 Oct 2025 03:40 pm

Tgt Ion:152 Resp: 338

Ion	Ratio	Lower	Upper
152	100		
151	21.3	0.0	49.3
153	11.1	0.0	42.7

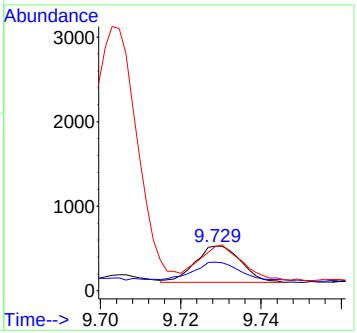


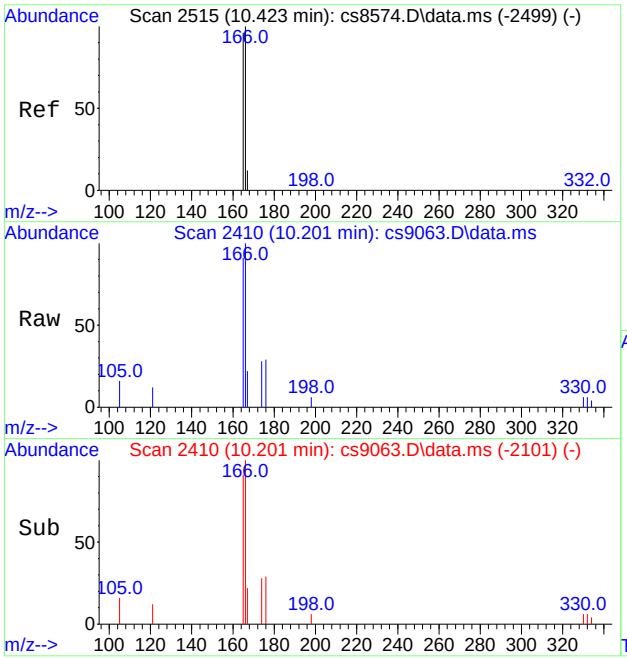


#14
Acenaphthene
Concen: 2.7786 ppb
RT: 9.729 min Scan# 2116
Delta R.T. 0.000 min
Lab File: cs9063.D
Acq: 16 Oct 2025 03:40 pm

Tgt Ion:153 Resp: 340

Ion	Ratio	Lower	Upper
153	100		
152	50.4	17.7	77.7
154	66.0	59.5	119.5

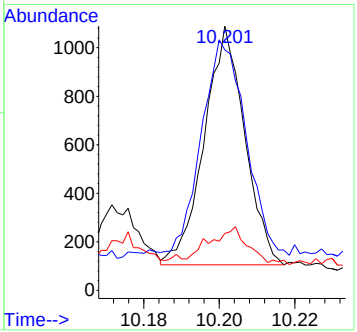


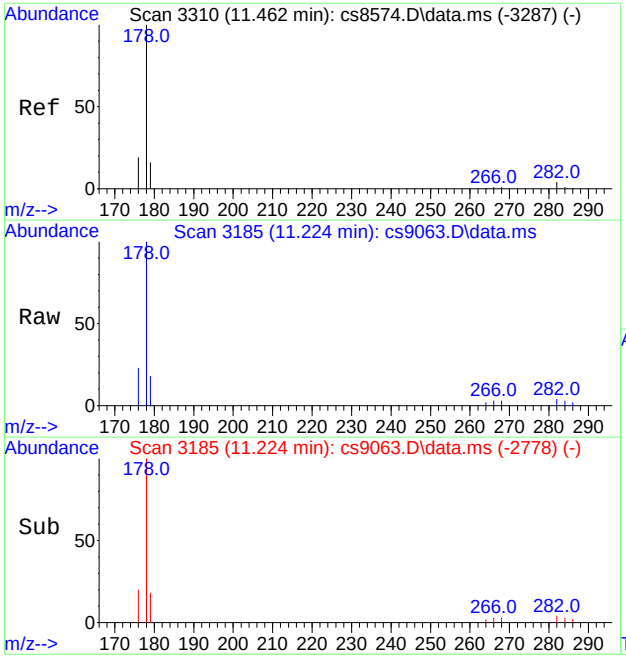


#15
Fluorene
Concen: 5.2402 ppb
RT: 10.201 min Scan# 2410
Delta R.T. -0.001 min
Lab File: cs9063.D
Acq: 16 Oct 2025 03:40 pm

Tgt Ion:166 Resp: 732

Ion	Ratio	Lower	Upper
166	100		
165	85.0	65.7	125.7
167	11.2	0.0	42.4

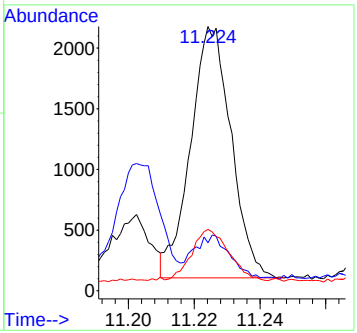


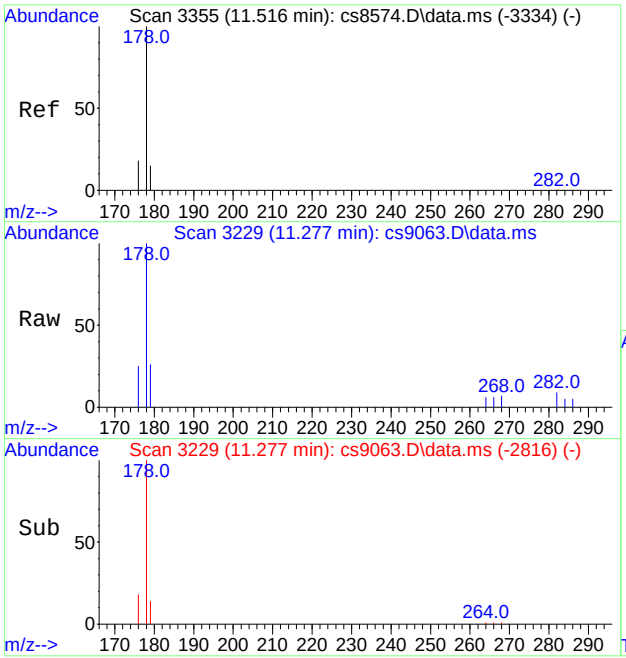


#21
Phenanthrene
Concen: 9.6631 ppb
RT: 11.224 min Scan# 3185
Delta R.T. -0.001 min
Lab File: cs9063.D
Acq: 16 Oct 2025 03:40 pm

Tgt Ion:178 Resp: 1773

Ion	Ratio	Lower	Upper
178	100		
179	0.8	0.0	45.7
176	20.8	0.0	49.2

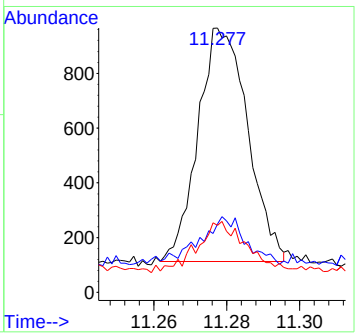


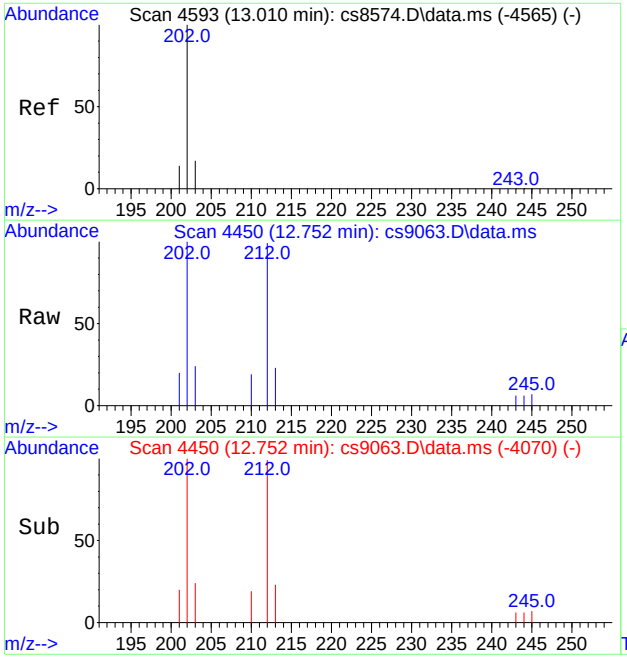


#22
Anthracene
Concen: 4.7699 ppb
RT: 11.277 min Scan# 3229
Delta R.T. 0.000 min
Lab File: cs9063.D
Acq: 16 Oct 2025 03:40 pm

Tgt Ion:178 Resp: 807

Ion	Ratio	Lower	Upper
178	100		
179	16.1	0.0	45.2
176	19.2	0.0	48.4

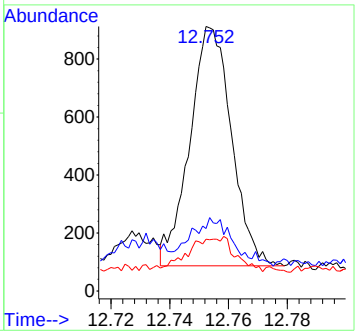


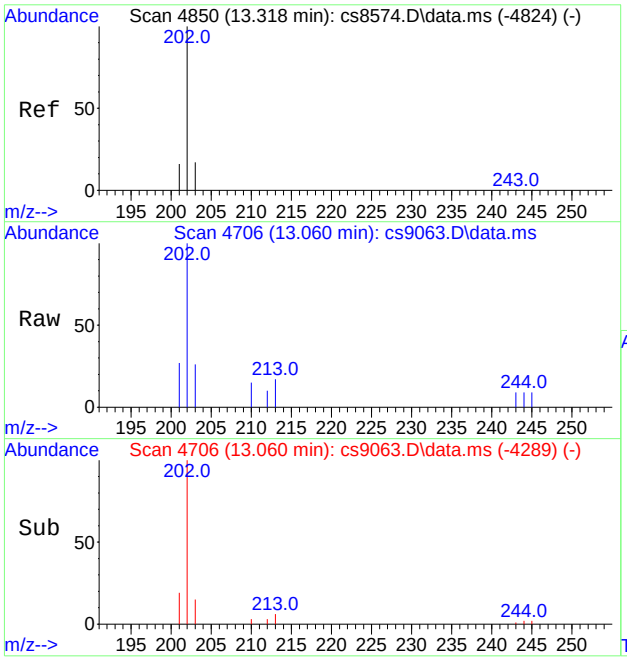


#23
Fluoranthene
Concen: 4.2211 ppb
RT: 12.752 min Scan# 4450
Delta R.T. -0.002 min
Lab File: cs9063.D
Acq: 16 Oct 2025 03:40 pm

Tgt Ion:202 Resp: 813

Ion	Ratio	Lower	Upper
202	100		
203	11.1	0.0	47.2
201	13.2	0.0	44.0

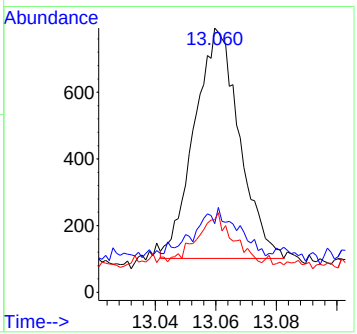


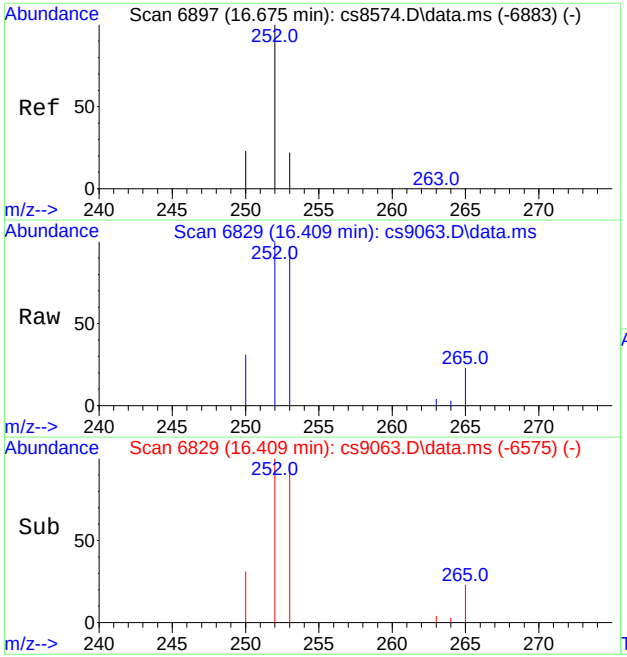


#24
Pyrene
Concen: 3.6335 ppb
RT: 13.060 min Scan# 4706
Delta R.T. 0.000 min
Lab File: cs9063.D
Acq: 16 Oct 2025 03:40 pm

Tgt Ion:202 Resp: 711

Ion	Ratio	Lower	Upper
202	100		
203	11.8	0.0	47.1
201	18.3	0.0	46.4

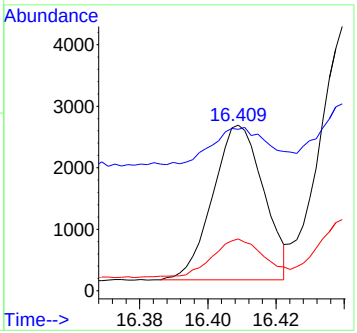


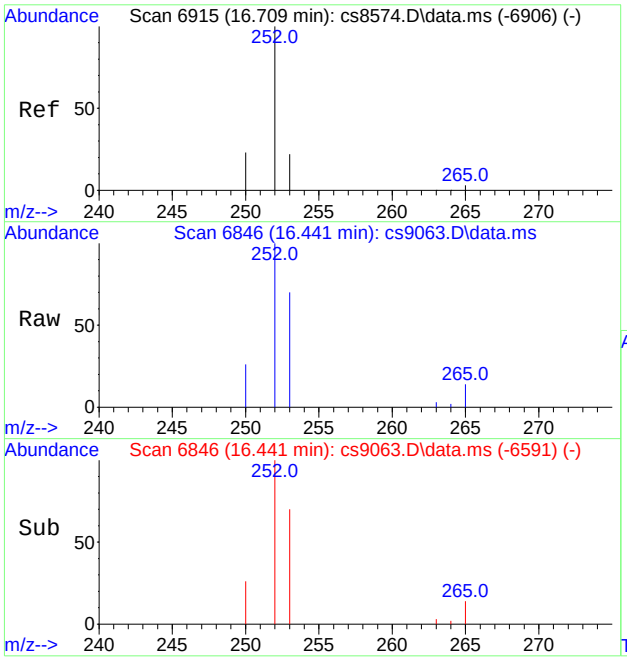


#29
Benzo[b]fluoranthene
Concen: 20.2568 ppb
RT: 16.409 min Scan# 6829
Delta R.T. -0.001 min
Lab File: cs9063.D
Acq: 16 Oct 2025 03:40 pm

Tgt Ion:252 Resp: 2605

Ion	Ratio	Lower	Upper
252	100		
253	20.7	0.0	51.5
250	23.8	0.0	53.4

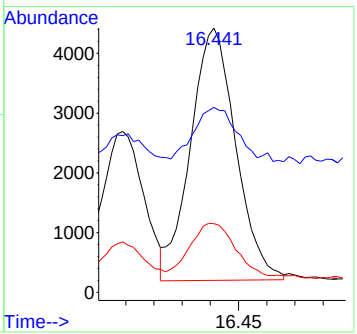


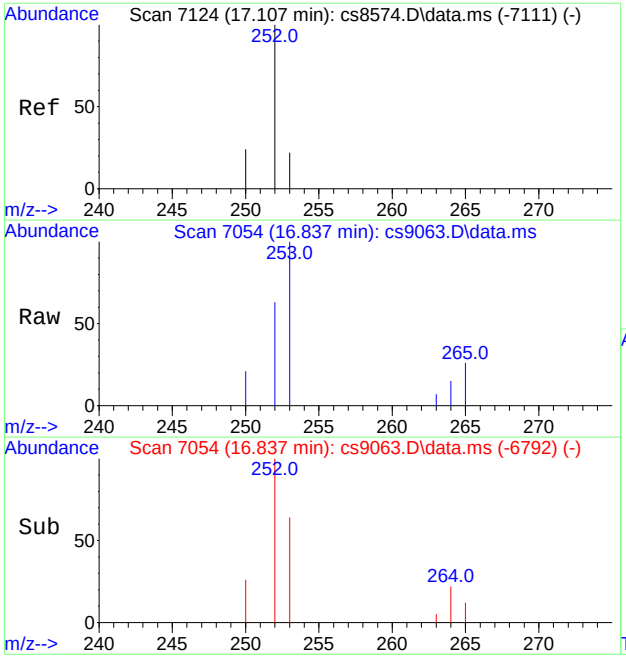


#30
Benzo[k]fluoranthene
Concen: 39.2677 ppb
RT: 16.441 min Scan# 6846
Delta R.T. -0.001 min
Lab File: cs9063.D
Acq: 16 Oct 2025 03:40 pm

Tgt Ion:252 Resp: 4709

Ion	Ratio	Lower	Upper
252	100		
253	22.3	0.0	51.3
250	20.9	0.0	53.2

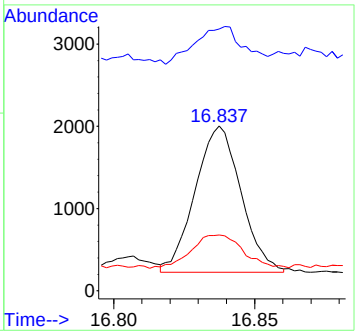


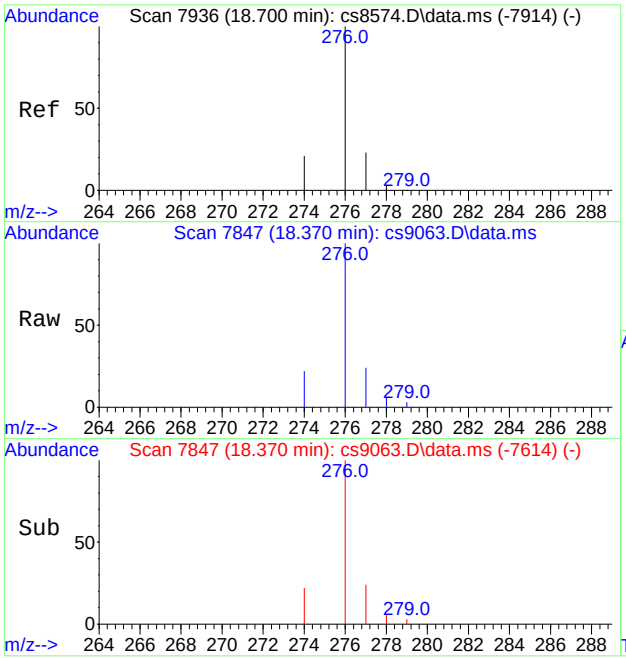


#31
Benzo[a]pyrene
Concen: 16.8980 ppb
RT: 16.837 min Scan# 7054
Delta R.T. -0.001 min
Lab File: cs9063.D
Acq: 16 Oct 2025 03:40 pm

Tgt Ion:252 Resp: 2015

Ion	Ratio	Lower	Upper
252	100		
253	19.5	0.0	51.3
250	22.5	0.0	53.7

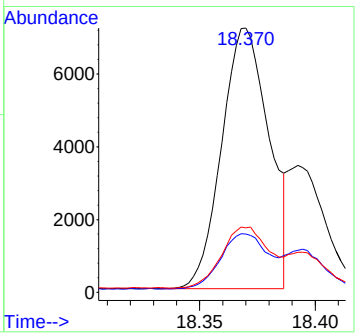


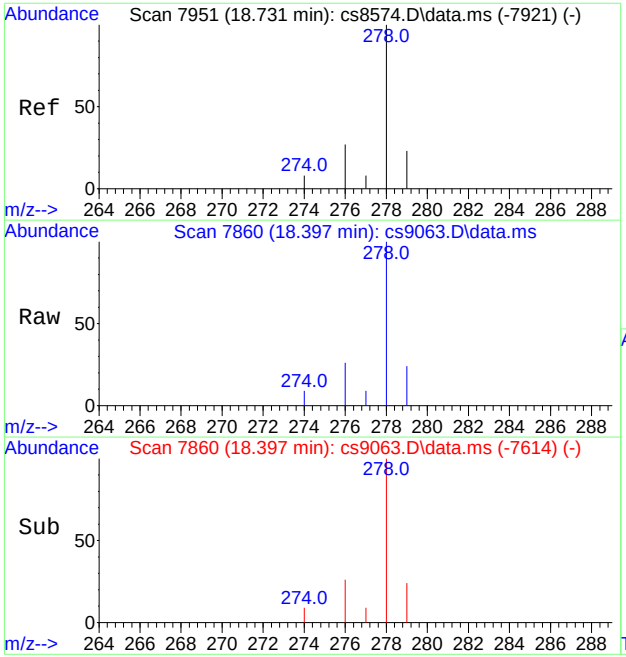


#32
Indeno[1,2,3-cd]pyrene
Concen: 108.3832 ppb
RT: 18.370 min Scan# 7847
Delta R.T. -0.001 min
Lab File: cs9063.D
Acq: 16 Oct 2025 03:40 pm

Tgt Ion:276 Resp: 10194

Ion	Ratio	Lower	Upper
276	100		
274	18.8	0.0	51.6
277	21.9	0.0	53.8

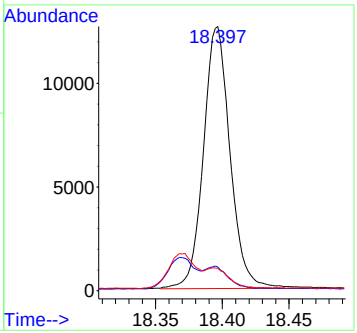


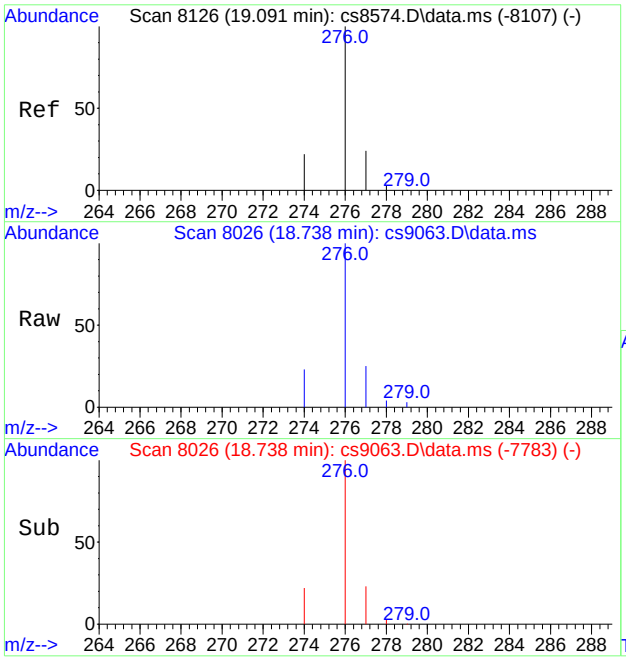


#33
Dibenz[a,h]anthracene
Concen: 198.5484 ppb
RT: 18.397 min Scan# 7860
Delta R.T. -0.001 min
Lab File: cs9063.D
Acq: 16 Oct 2025 03:40 pm

Tgt Ion:278 Resp: 17507

Ion	Ratio	Lower	Upper
278	100		
274	7.0	0.0	38.4
277	6.2	0.0	37.8

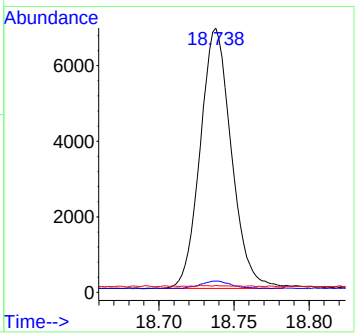




#34
Benzo[g,h,i]perylene
Concen: 106.1053 ppb
RT: 18.738 min Scan# 8026
Delta R.T. -0.001 min
Lab File: cs9063.D
Acq: 16 Oct 2025 03:40 pm

Tgt Ion:276 Resp: 9949

Ion	Ratio	Lower	Upper
276	100		
278	2.6	0.0	33.3
279	0.4	0.0	31.1



Manual Integrations APPROVED (compounds with "m" flag)
Jon Kreigmor Mamanta 10/26/25 20:44

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\nerirose\EZ8689\
Data File : Z176443.d
Acq On : 18 Oct 2025 4:24 pm
Operator : rocquans
Sample : op68138a-mb2 Inst : GCMSZ
Misc : op68138a,ez8689,250,,,1,1
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Oct 20 15:36:06 2025
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 15:26:21 2025
Response via : Initial Calibration

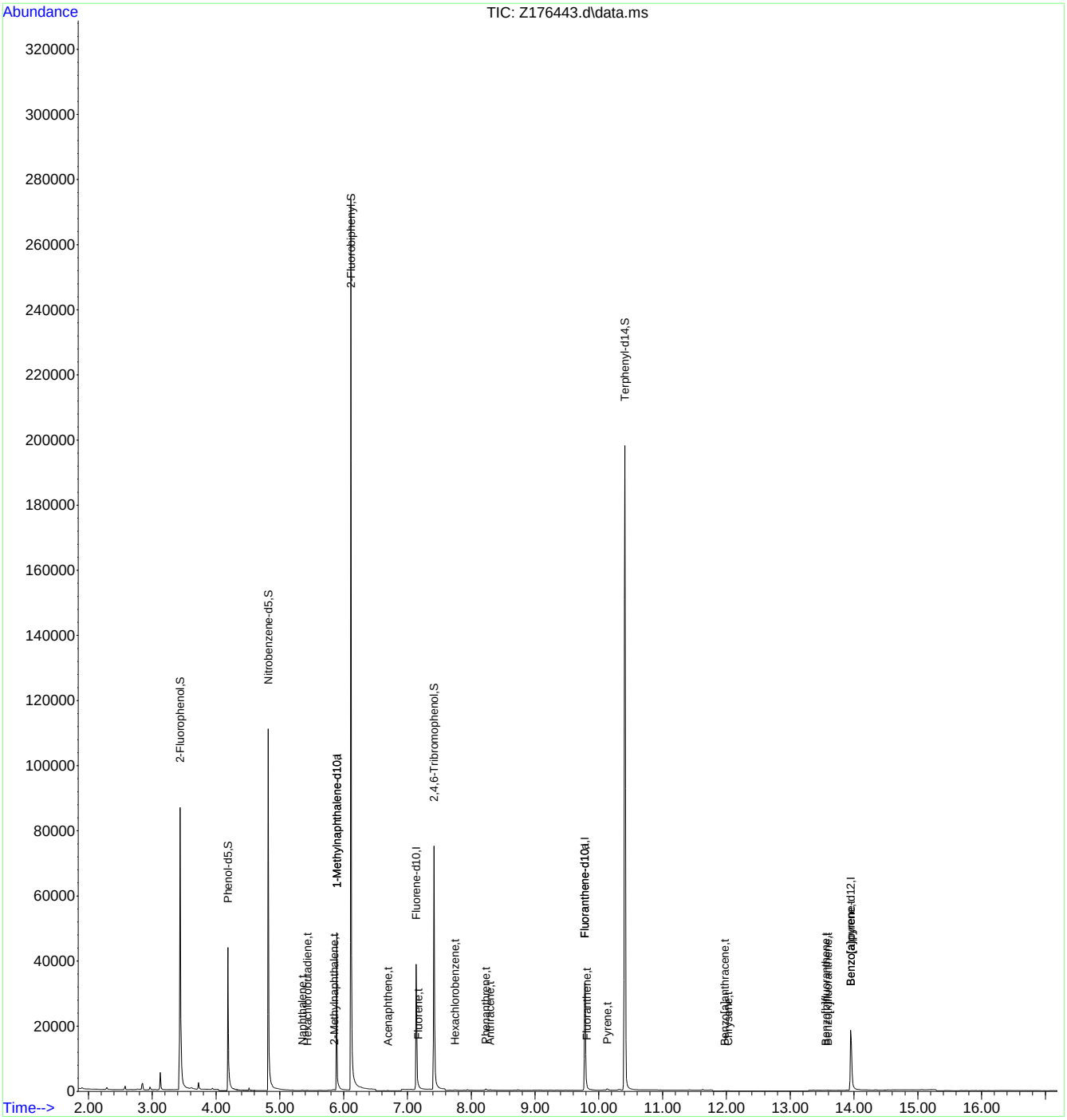
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	5.891	150	14607	800.00	ppb	0.00
12) Fluorene-d10	7.135	176	19697	800.00	ppb	0.00
19) Fluoranthene-d10	9.778	212	36715	800.00	ppb	0.00
28) Benzo(a)pyrene-d12	13.948	264	23888	800.00	ppb	0.00
35) 1-Methylnaphthalene-d10a	5.891	150	14607	800.00	ppb	0.00
37) Fluoranthene-d10a	9.778	212	36715	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	3.437	112	47514	4808.95	ppb	0.00
Spiked Amount 10000.000			Recovery =	48.09%		
4) Phenol-d5	4.185	99	37182	3279.80	ppb	0.00
Spiked Amount 10000.000			Recovery =	32.80%		
6) Nitrobenzene-d5	4.816	82	65262	5345.51	ppb	0.00
Spiked Amount 10000.000			Recovery =	53.46%		
13) 2-Fluorobiphenyl	6.112	172	136399	4939.79	ppb	0.00
Spiked Amount 10000.000			Recovery =	49.40%		
18) 2,4,6-Tribromophenol	7.418	330	31261	6807.59	ppb	0.00
Spiked Amount 10000.000			Recovery =	68.08%		
25) Terphenyl-d14	10.410	244	172259	5641.20	ppb	0.00
Spiked Amount 10000.000			Recovery =	56.41%		
Target Compounds						Qvalue
7) Naphthalene	5.352	128	179	4.4509	ppb	93
8) Hexachlorobutadiene	5.430	225	23	2.1904	ppb	98
9) 2-Methylnaphthalene	5.850	141	65	2.7978	ppb	90
15) Acenaphthene	6.695	153	47	1.6845	ppb	81
16) Fluorene	7.167	166	136	4.5511	ppb	95
20) Hexachlorobenzene	7.741	284	60	4.5914	ppb	85
21) Phenanthrene	8.227	178	421	9.3192	ppb	95
22) Anthracene	8.295	178	247	4.3000	ppb	95
23) Fluoranthene	9.811	202	352	6.1693	ppb	97
24) Pyrene	10.131	202	280	4.7563	ppb	94
26) Benzo[a]anthracene	11.975	228	66	1.7041	ppb	72
27) Chrysene	12.027	228	76	1.2640	ppb	97
29) Benzo[b]fluoranthene	13.556	252	69m	1.7390	ppb	
30) Benzo[k]fluoranthene	13.591	252	48m	0.9980	ppb	
31) Benzo[a]pyrene	13.948	252	106	2.4910	ppb	75

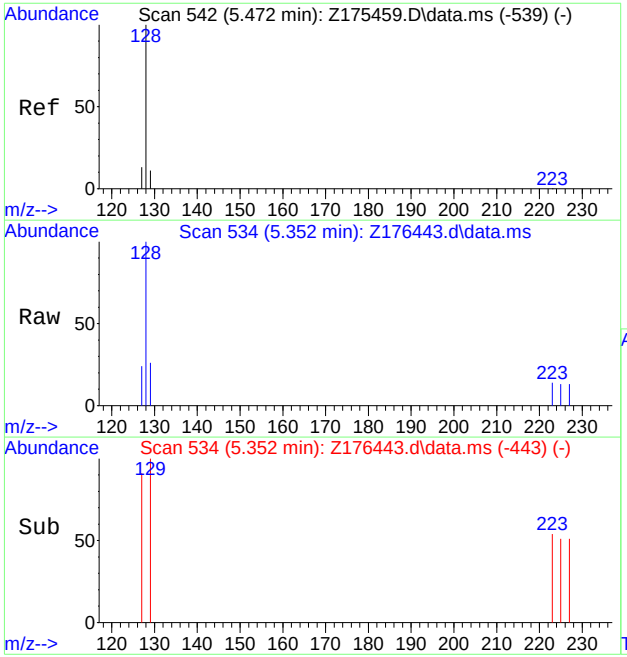
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\nerirose\EZ8689\
Data File : Z176443.d
Acq On : 18 Oct 2025 4:24 pm
Operator : rocquans
Sample : op68138a-mb2 Inst : GCMSZ
Misc : op68138a,ez8689,250,,,1,1
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Oct 20 15:36:06 2025
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 15:26:21 2025
Response via : Initial Calibration

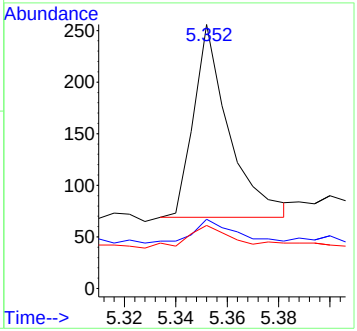


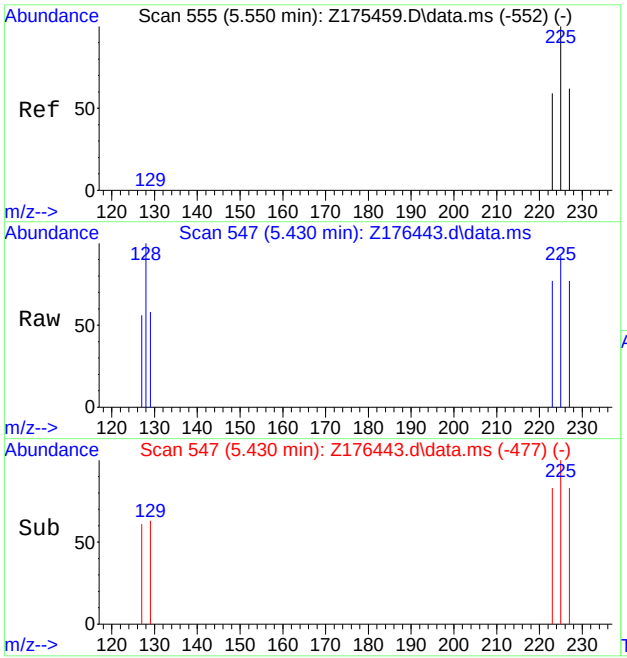


#7
Naphthalene
Concen: 4.4509 ppb
RT: 5.352 min Scan# 534
Delta R.T. 0.006 min
Lab File: Z176443.d
Acq: 18 Oct 2025 4:24 pm

Tgt Ion:128 Resp: 179

Ion	Ratio	Lower	Upper
128	100		
129	11.7	0.0	39.9
127	9.4	0.0	43.2

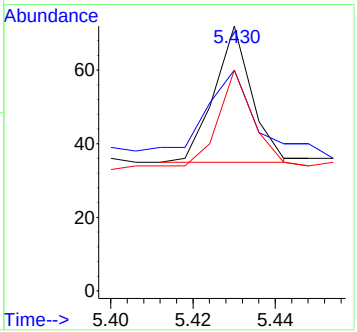


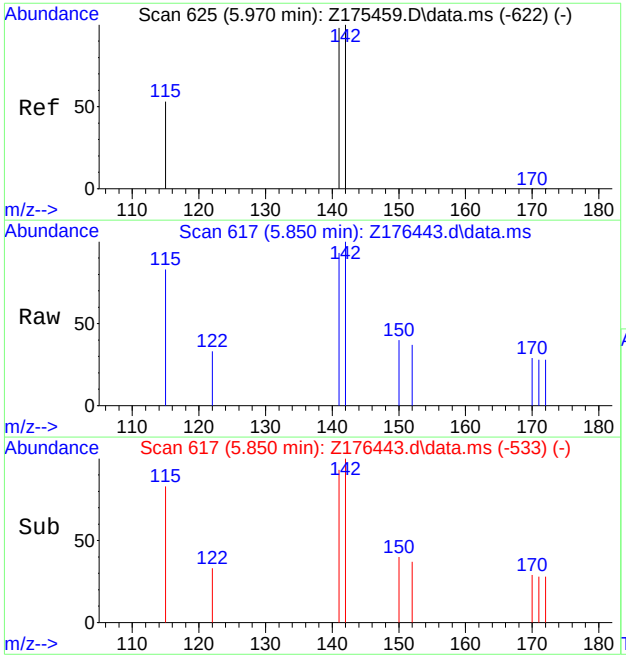


#8
Hexachlorobutadiene
Concen: 2.1904 ppb
RT: 5.430 min Scan# 547
Delta R.T. 0.000 min
Lab File: Z176443.d
Acq: 18 Oct 2025 4:24 pm

Tgt Ion:225 Resp: 23

Ion	Ratio	Lower	Upper
225	100		
223	56.2	25.2	85.2
227	69.9	38.5	98.5

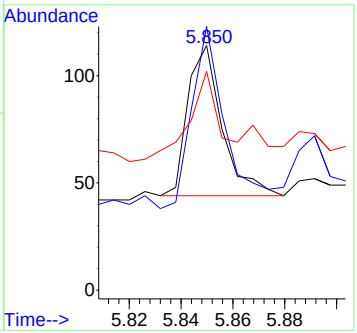


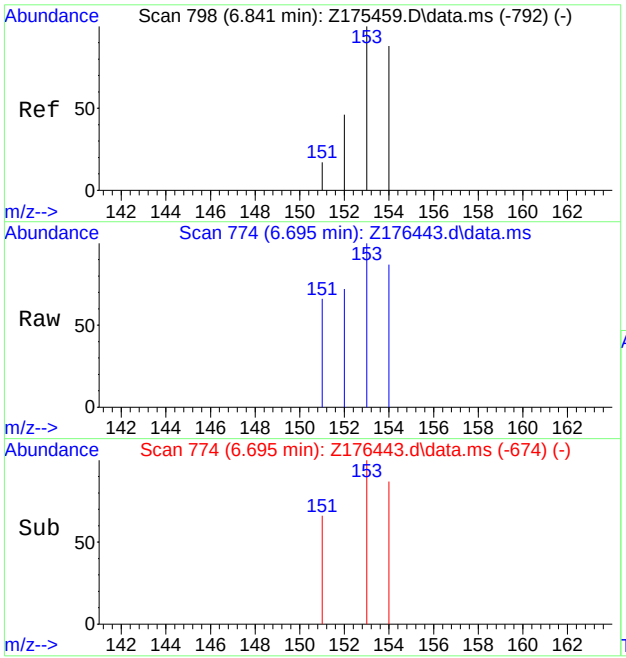


#9
2-Methylnaphthalene
Concen: 2.7978 ppb
RT: 5.850 min Scan# 617
Delta R.T. 0.006 min
Lab File: Z176443.d
Acq: 18 Oct 2025 4:24 pm

Tgt Ion:141 Resp: 65

Ion	Ratio	Lower	Upper
141	100		
142	114.3	74.7	134.7
115	51.4	14.4	74.4

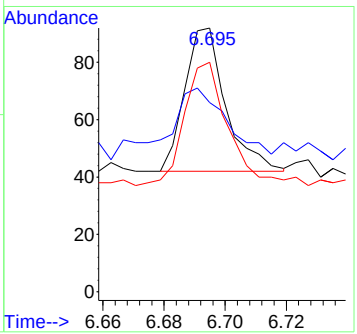


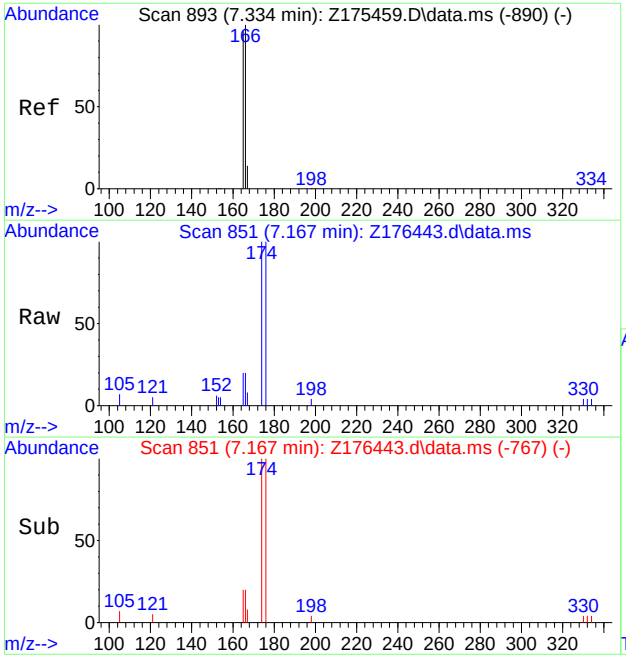


#15
Acenaphthene
Concen: 1.6845 ppb
RT: 6.695 min Scan# 774
Delta R.T. 0.008 min
Lab File: Z176443.d
Acq: 18 Oct 2025 4:24 pm

Tgt Ion:153 Resp: 47

Ion	Ratio	Lower	Upper
153	100		
152	27.3	20.2	80.2
154	82.8	45.1	105.1

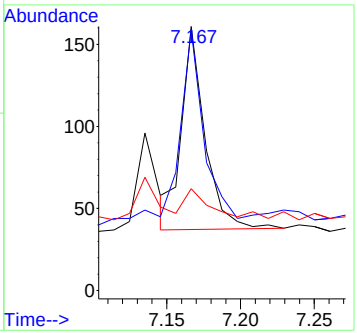


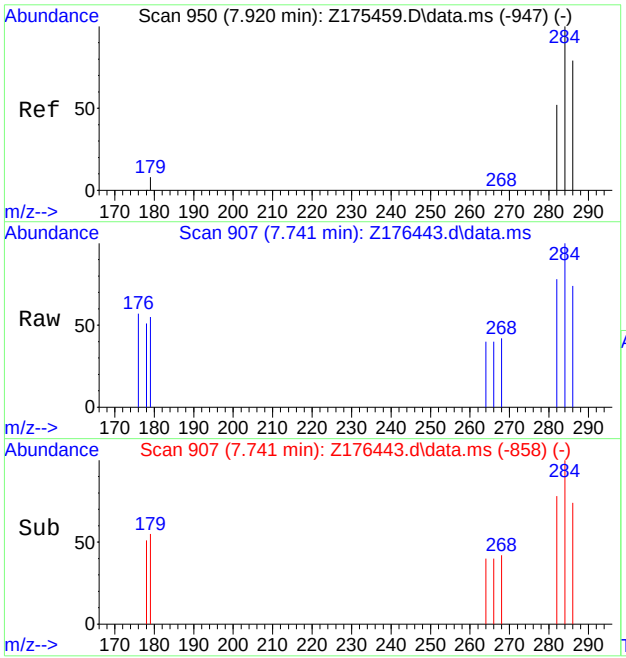


#16
Fluorene
Concen: 4.5511 ppb
RT: 7.167 min Scan# 851
Delta R.T. 0.000 min
Lab File: Z176443.d
Acq: 18 Oct 2025 4:24 pm

Tgt Ion:166 Resp: 136

Ion	Ratio	Lower	Upper
166	100		
165	99.1	63.9	123.9
167	11.1	0.0	43.4

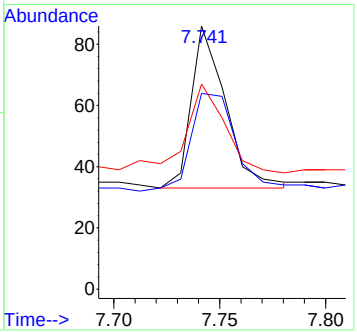


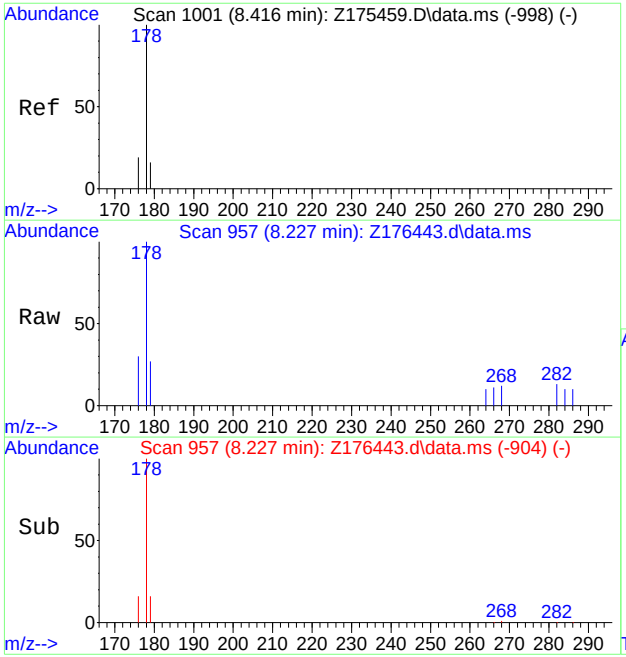


#20
Hexachlorobenzene
Concen: 4.5914 ppb
RT: 7.741 min Scan# 907
Delta R.T. 0.000 min
Lab File: Z176443.d
Acq: 18 Oct 2025 4:24 pm

Tgt Ion:284 Resp: 60

Ion	Ratio	Lower	Upper
284	100		
286	58.7	48.4	108.4
282	52.9	20.7	80.7

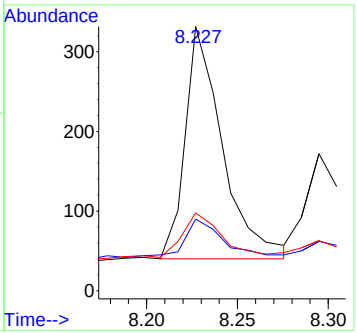


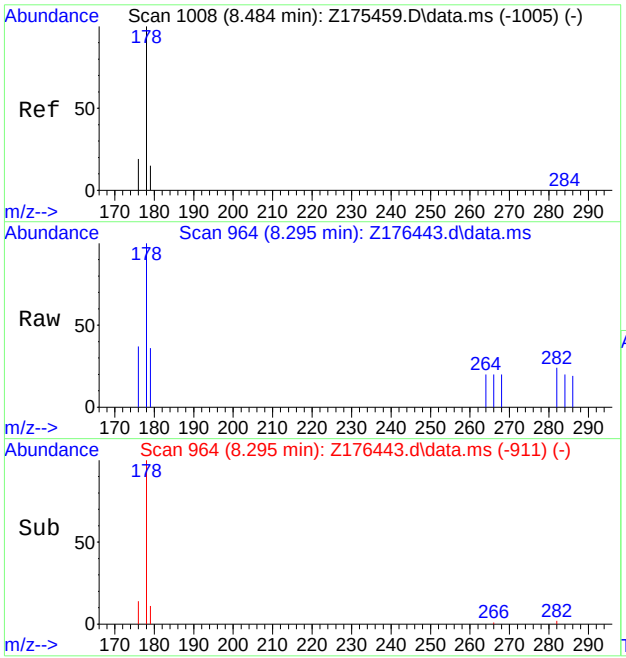


#21
Phenanthrene
Concen: 9.3192 ppb
RT: 8.227 min Scan# 957
Delta R.T. 0.010 min
Lab File: Z176443.d
Acq: 18 Oct 2025 4:24 pm

Tgt Ion:178 Resp: 421

Ion	Ratio	Lower	Upper
178	100		
179	15.9	0.0	43.8
176	18.7	0.0	50.9

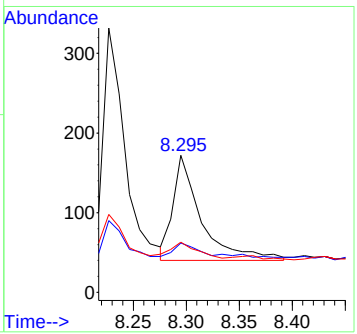


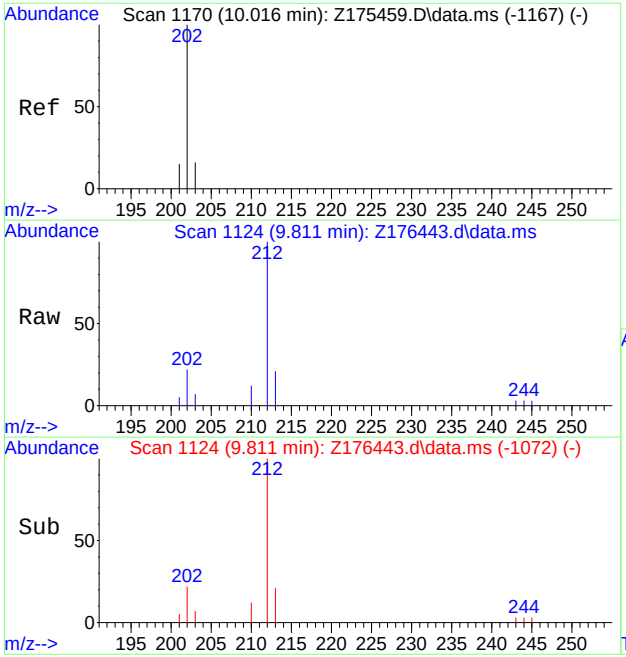


#22
Anthracene
Concen: 4.3000 ppb
RT: 8.295 min Scan# 964
Delta R.T. 0.010 min
Lab File: Z176443.d
Acq: 18 Oct 2025 4:24 pm

Tgt Ion:178 Resp: 247

Ion	Ratio	Lower	Upper
178	100		
179	14.4	0.0	45.0
176	14.8	0.0	48.3

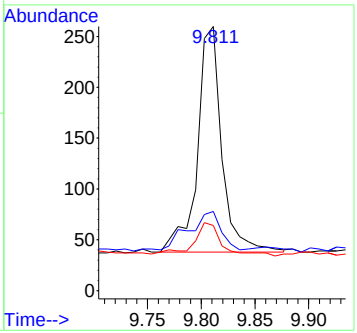


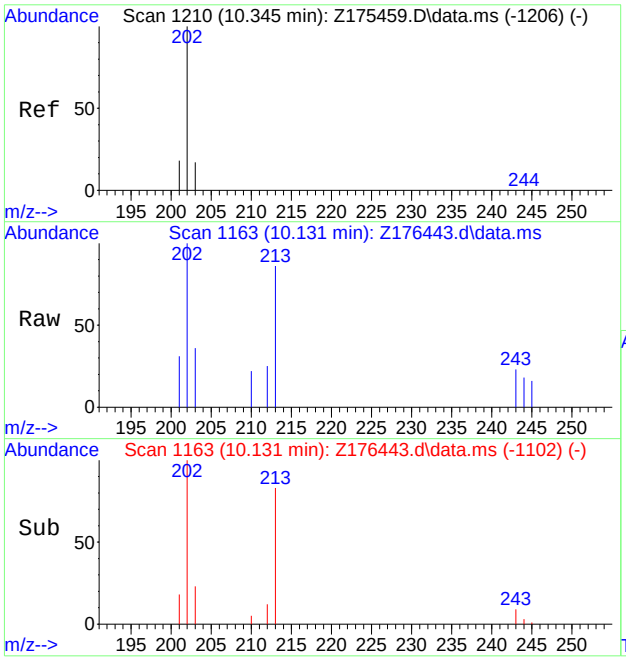


#23
Fluoranthene
Concen: 6.1693 ppb
RT: 9.811 min Scan# 1124
Delta R.T. 0.008 min
Lab File: Z176443.d
Acq: 18 Oct 2025 4:24 pm

Tgt Ion:202 Resp: 352

Ion	Ratio	Lower	Upper
202	100		
203	17.0	0.0	46.2
201	12.2	0.0	44.2

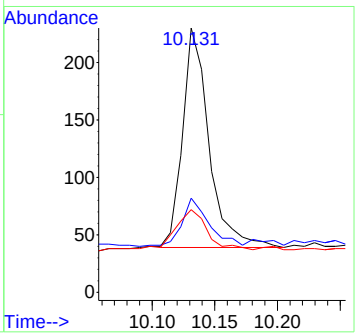


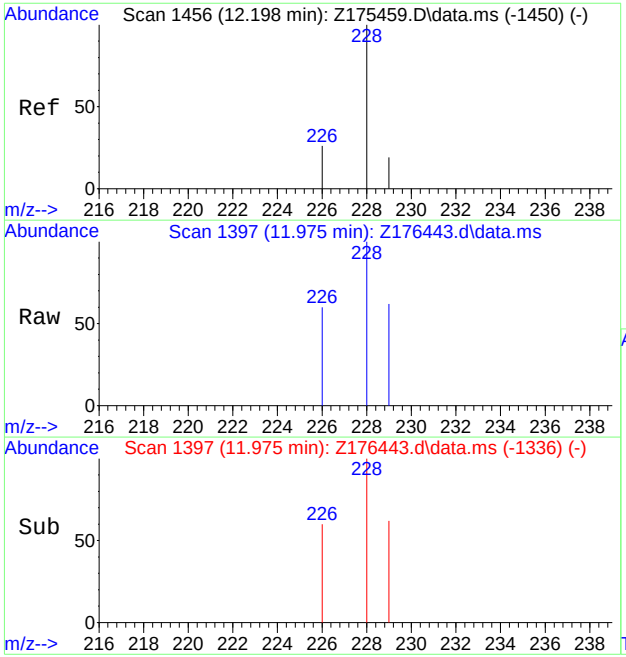


#24
Pyrene
Concen: 4.7563 ppb
RT: 10.131 min Scan# 1163
Delta R.T. 0.000 min
Lab File: Z176443.d
Acq: 18 Oct 2025 4:24 pm

Tgt Ion:202 Resp: 280

Ion	Ratio	Lower	Upper
202	100		
203	21.5	0.0	48.3
201	17.8	0.0	45.8

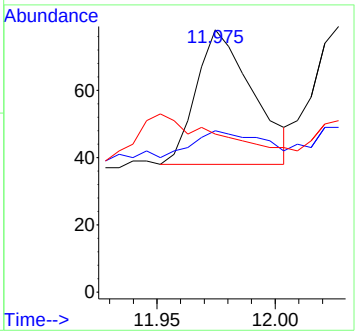


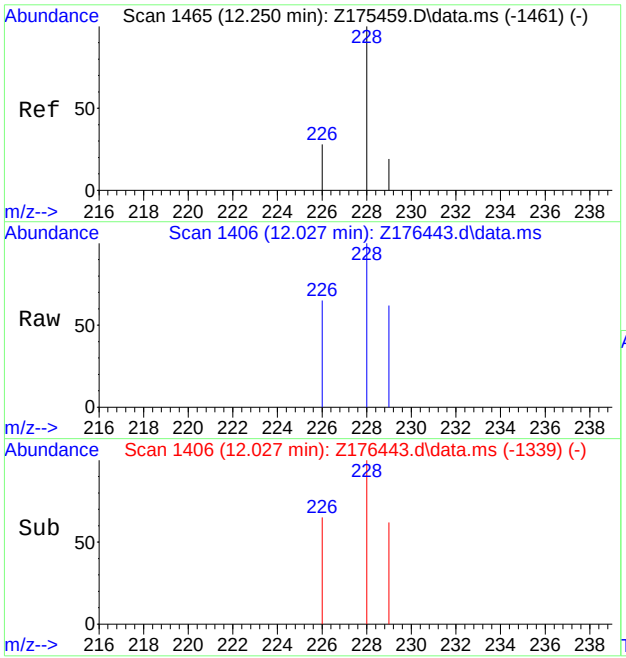


#26
Benzo[a]anthracene
Concen: 1.7041 ppb
RT: 11.975 min Scan# 1397
Delta R.T. 0.012 min
Lab File: Z176443.d
Acq: 18 Oct 2025 4:24 pm

Tgt Ion:228 Resp: 66

Ion	Ratio	Lower	Upper
228	100		
229	20.3	0.0	50.0
226	0.0	0.0	55.0

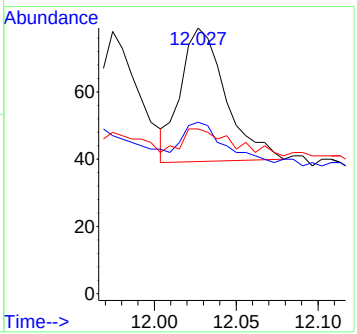


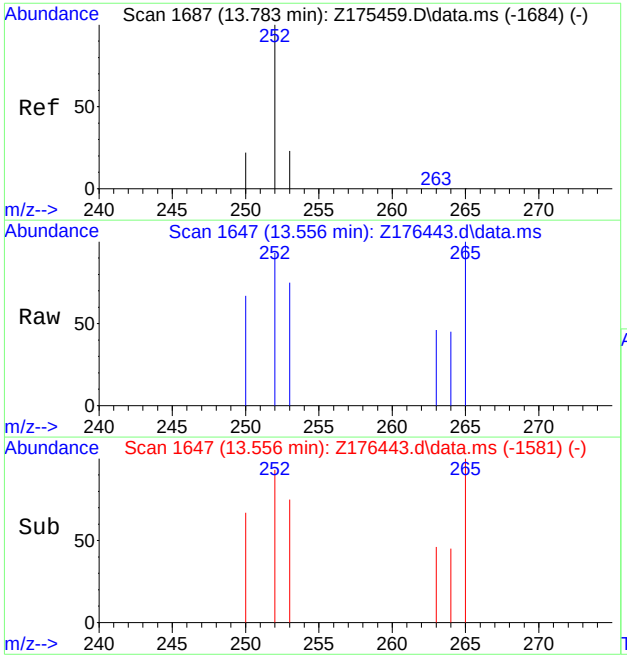


#27
Chrysene
Concen: 1.2640 ppb
RT: 12.027 min Scan# 1406
Delta R.T. 0.012 min
Lab File: Z176443.d
Acq: 18 Oct 2025 4:24 pm

Tgt Ion:228 Resp: 76

Ion	Ratio	Lower	Upper
228	100		
226	27.5	0.0	59.0
229	21.7	0.0	50.3

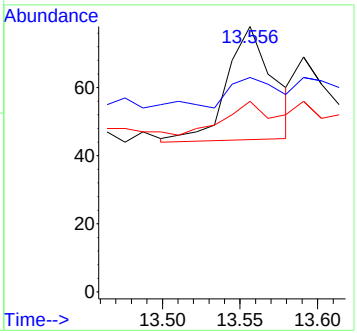


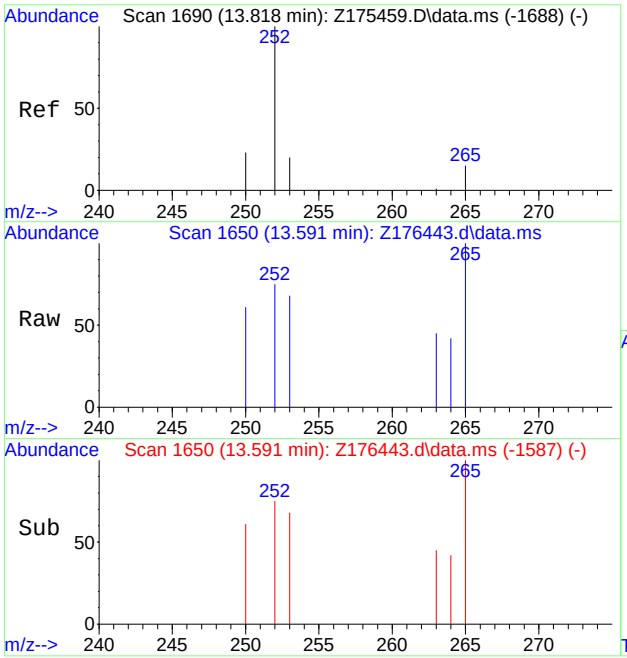


#29
Benzo[b]fluoranthene
Concen: 1.7390 ppb m
RT: 13.556 min Scan# 1647
Delta R.T. 0.012 min
Lab File: Z176443.d
Acq: 18 Oct 2025 4:24 pm

Tgt Ion:252 Resp: 69

Ion	Ratio	Lower	Upper
252	100		
253	80.8	0.0	52.2#
250	71.8	0.0	50.8#

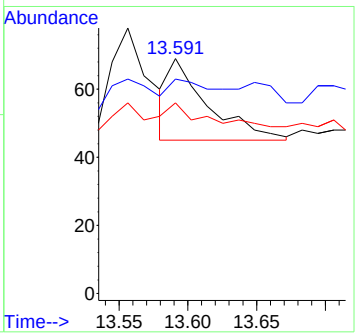


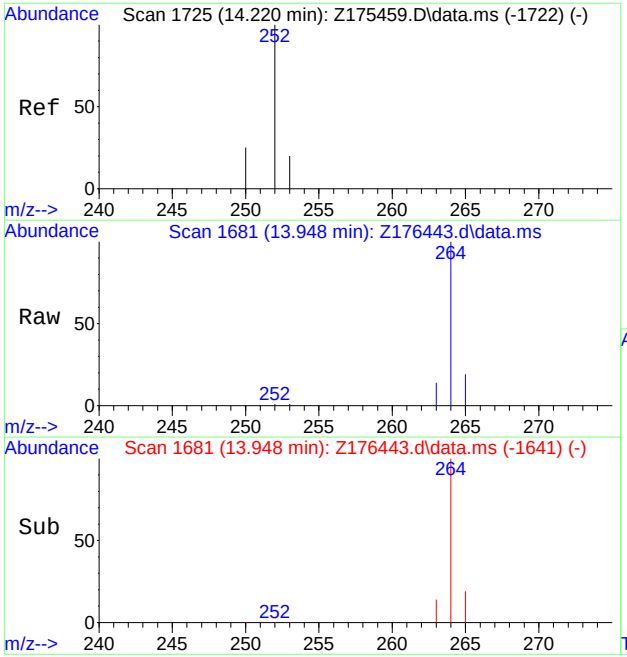


#30
Benzo[k]fluoranthene
Concen: 0.9980 ppb m
RT: 13.591 min Scan# 1650
Delta R.T. 0.012 min
Lab File: Z176443.d
Acq: 18 Oct 2025 4:24 pm

Tgt Ion:252 Resp: 48

Ion	Ratio	Lower	Upper
252	100		
253	91.3	0.0	50.8#
250	81.2	0.0	52.0#

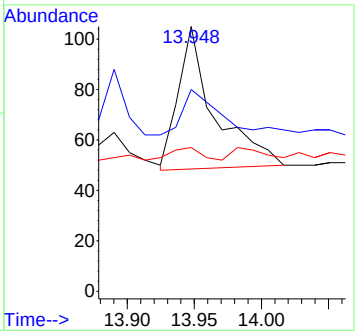




#31
Benzo[a]pyrene
Concen: 2.4910 ppb
RT: 13.948 min Scan# 1681
Delta R.T. -0.034 min
Lab File: Z176443.d
Acq: 18 Oct 2025 4:24 pm

Tgt Ion:252 Resp: 106

Ion	Ratio	Lower	Upper
252	100		
253	30.9	0.0	52.5
250	7.3	0.0	53.0



Manual Integration Approval Summary

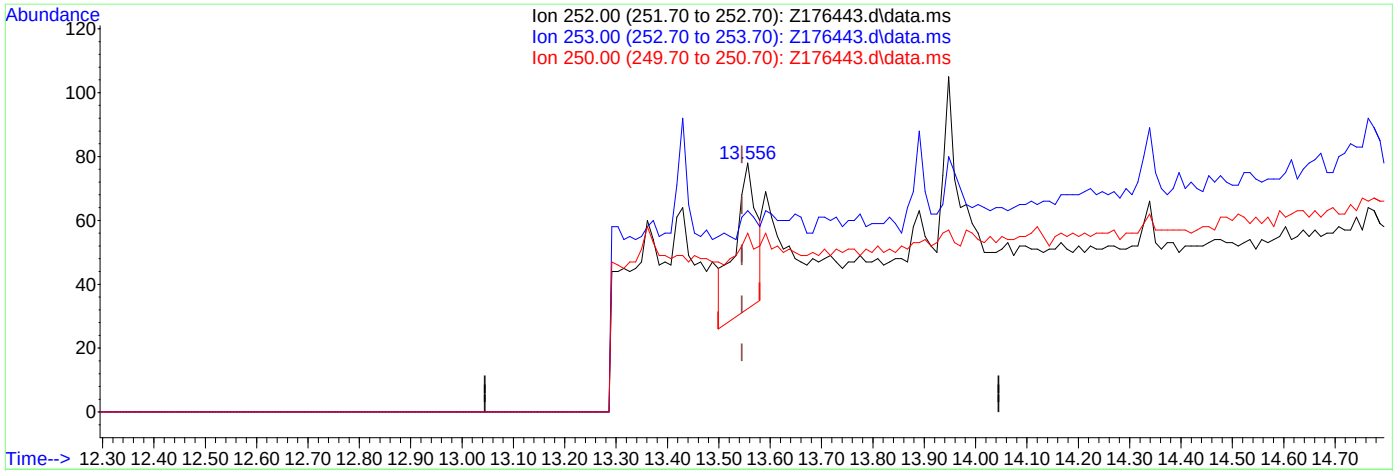
Sample Number: OP68138A-MB2
Lab FileID: Z176443.D
Injection Time: 10/18/25 16:24
Method: SW846 8270E BY SIM
Analyst approved: 10/26/25 20:35 Jon Kreigmor Mamanta
Supervisor approved: 10/26/25 20:44 Jon Kreigmor Mamanta

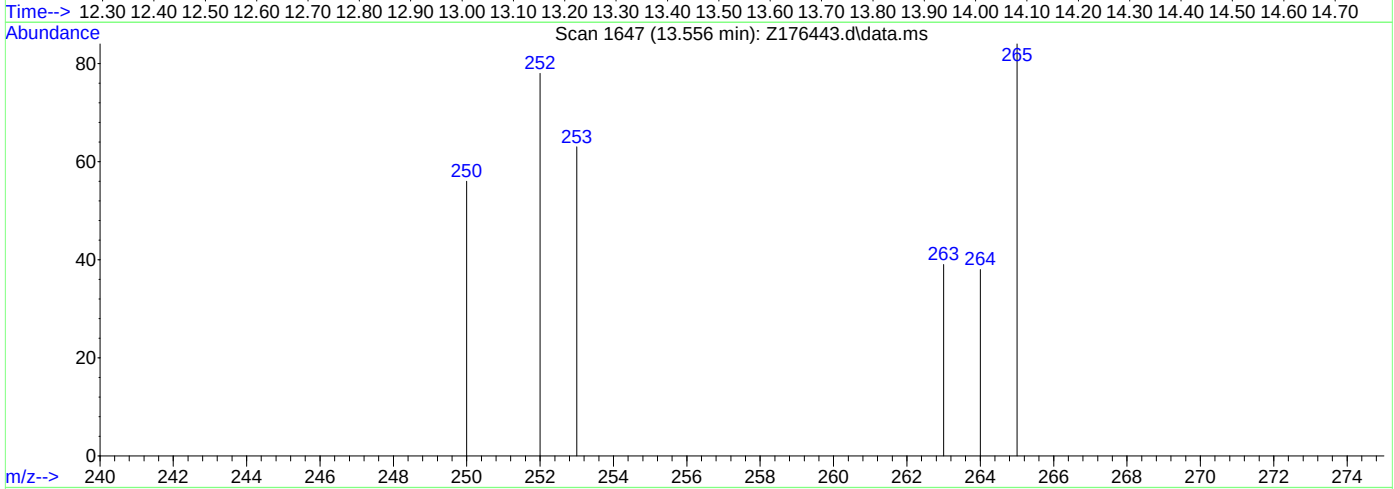
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzo(b)fluoranthene	205-99-2		13.56	Poor instrument integration
Benzo(k)fluoranthene	207-08-9		13.59	Poor instrument integration

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\nerirose\EZ8689\
Data File : Z176443.d
Acq On : 18 Oct 2025 4:24 pm
Operator : rocquans
Sample : op68138a-mb2 Inst : GCMSZ
Misc : op68138a,ez8689,250,,,1,1
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Oct 20 15:27:15 2025
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 15:26:21 2025
Response via : Initial Calibration





TIC: Z176443.d\data.ms

(29) Benzo[b]fluoranthene (t)

13.556min (+0.012) 3.45ppb

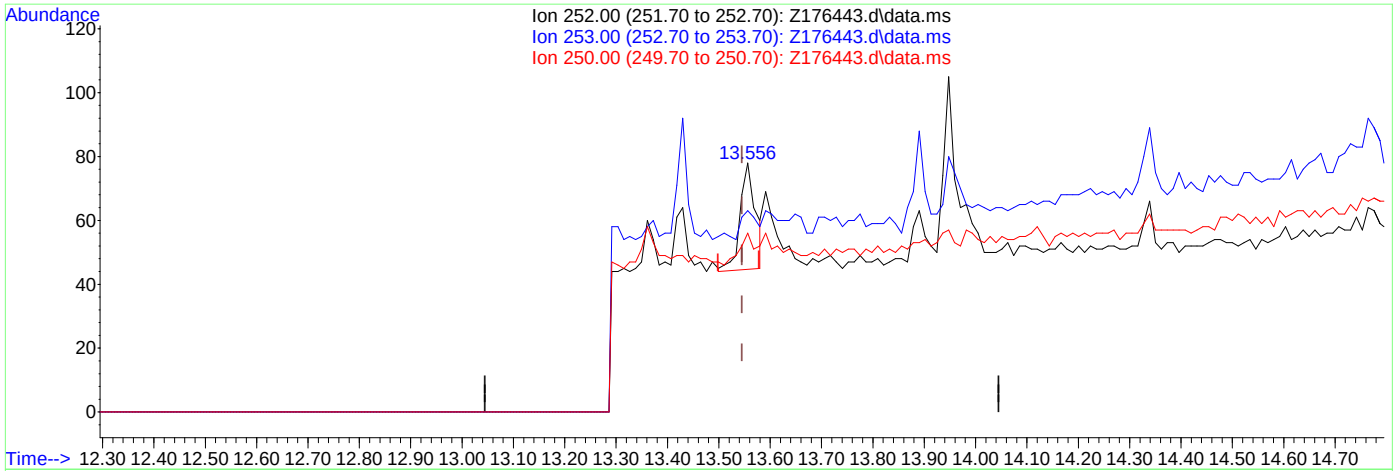
response 137

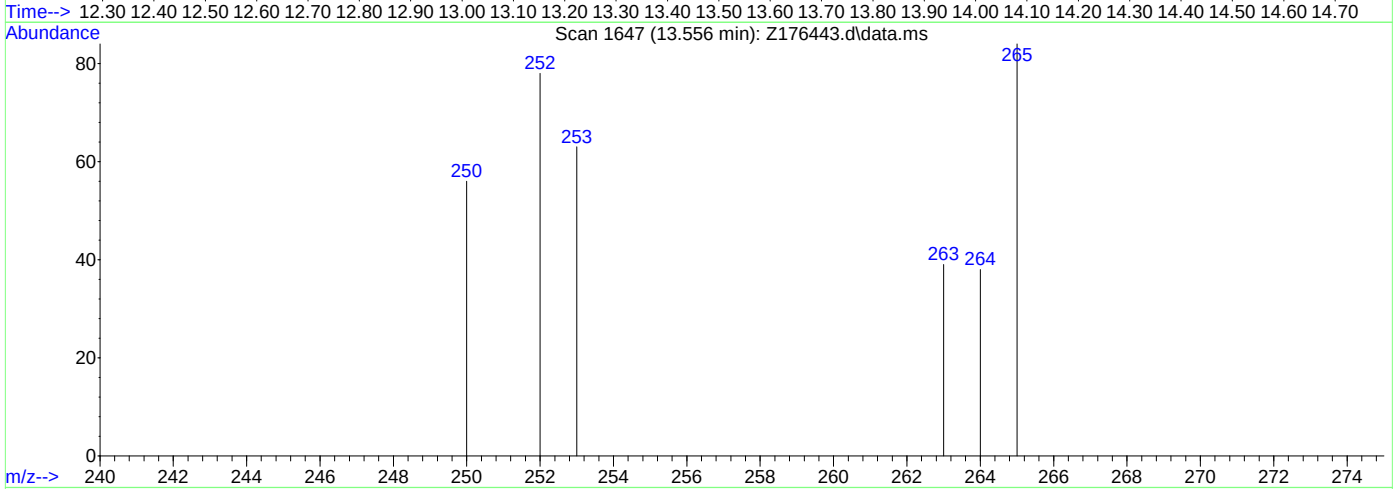
Ion	Exp%	Act%
252.00	100	100
253.00	22.20	25.49
250.00	20.80	25.49
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\nerirose\EZ8689\
Data File : Z176443.d
Acq On : 18 Oct 2025 4:24 pm
Operator : rocquans
Sample : op68138a-mb2 Inst : GCMSZ
Misc : op68138a,ez8689,250,,,1,1
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Oct 20 15:27:15 2025
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 15:26:21 2025
Response via : Initial Calibration





TIC: Z176443.d\data.ms

(29) Benzo[b]fluoranthene (t)

13.556min (+0.012) 1.74ppb m

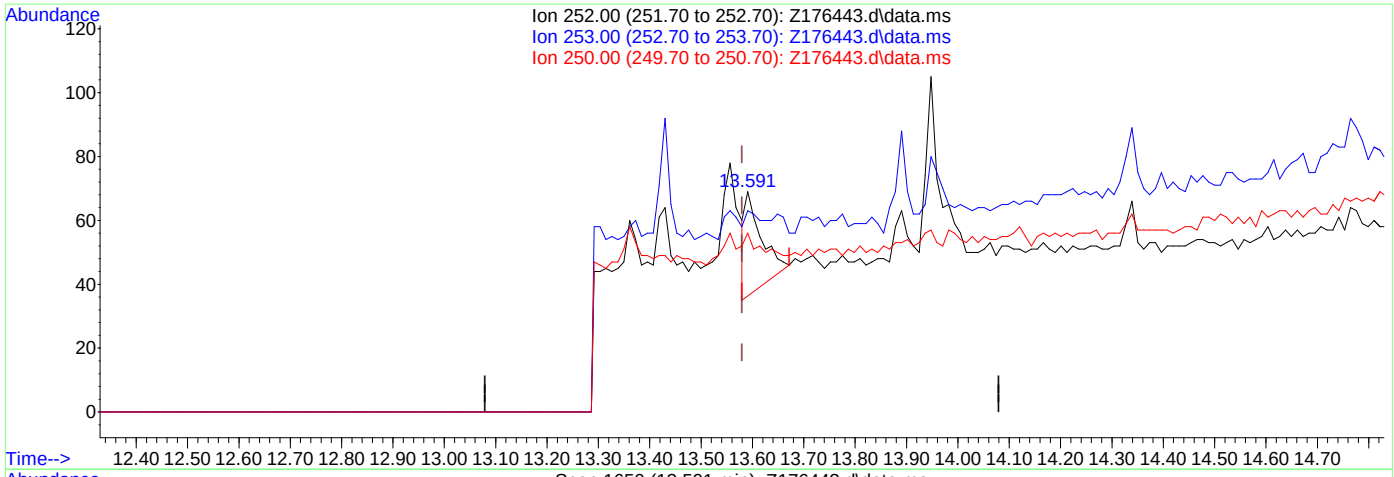
response 69

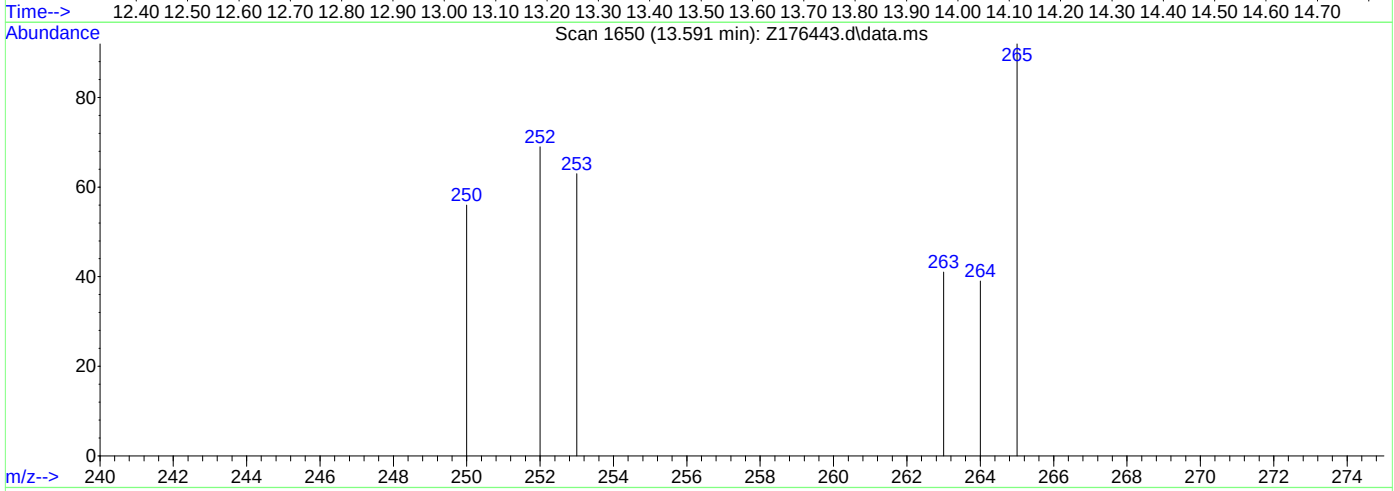
Ion	Exp%	Act%
252.00	100	100
253.00	22.20	80.77#
250.00	20.80	71.79#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\nerirose\EZ8689\
Data File : Z176443.d
Acq On : 18 Oct 2025 4:24 pm
Operator : rocquans
Sample : op68138a-mb2 Inst : GCMSZ
Misc : op68138a,ez8689,250,,,1,1
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Oct 20 15:27:15 2025
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 15:26:21 2025
Response via : Initial Calibration





TIC: Z176443.d\data.ms

(30) Benzo[k]fluoranthene (t)

13.591min (+0.012) 1.50ppb

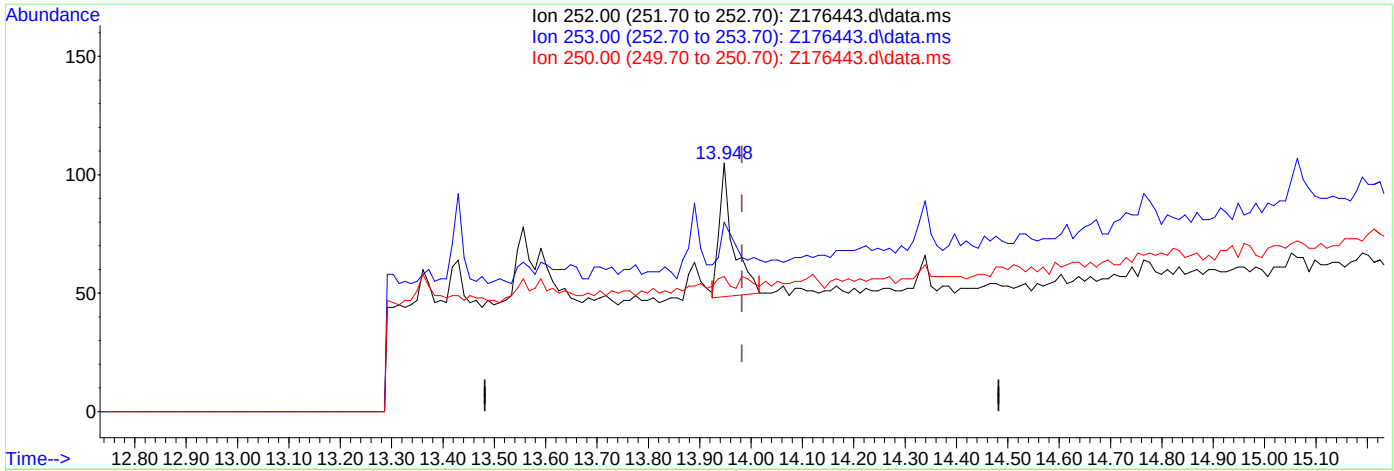
response 72

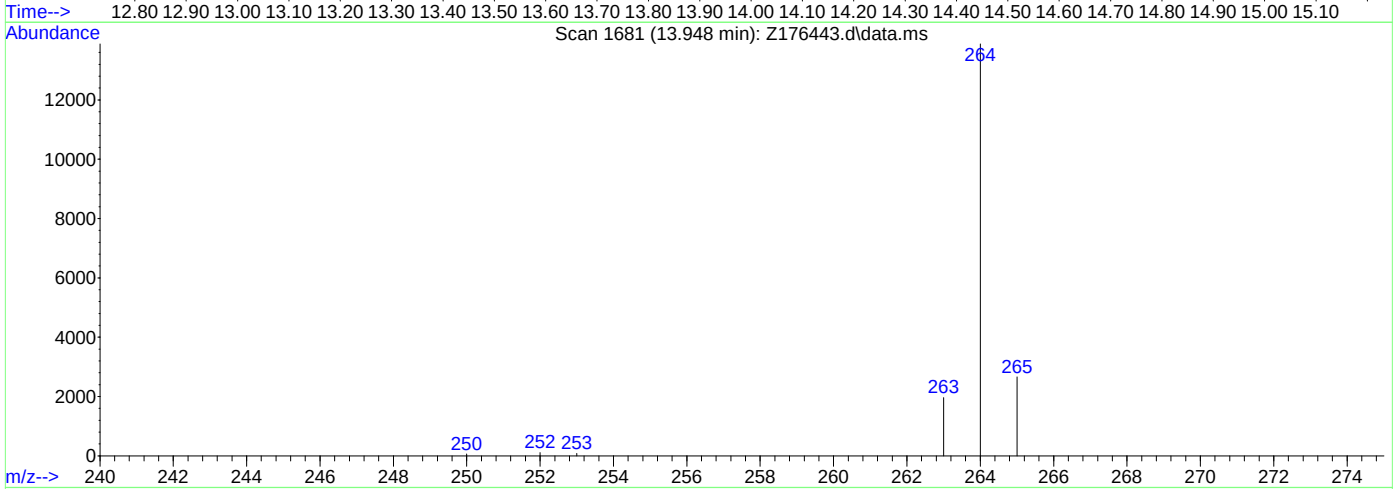
Ion	Exp%	Act%
252.00	100	100
253.00	20.80	37.50
250.00	22.00	34.38
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\nerirose\EZ8689\
Data File : Z176443.d
Acq On : 18 Oct 2025 4:24 pm
Operator : rocquans
Sample : op68138a-mb2 Inst : GCMSZ
Misc : op68138a,ez8689,250,,,1,1
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Oct 20 15:27:15 2025
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 15:26:21 2025
Response via : Initial Calibration





TIC: Z176443.d\data.ms

(31) Benzo[a]pyrene (t)

13.948min (-0.034) 2.49ppb

response 106

Ion	Exp%	Act%
252.00	100	100
253.00	22.50	30.91
250.00	23.00	7.27
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\recheleb\ecs468\
Data File : cs9064.D
Acq On : 16 Oct 2025 04:07 pm
Operator : alejanda
Sample : op68138a-bs12 Inst : GCMS_CS
Misc : op68138a,ecs468,250,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 17 01:49:36 2025
Quant Method : X:\Dayton SVOA GCMS\recheleb\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Fri Oct 17 01:42:09 2025
Response via : Initial Calibration

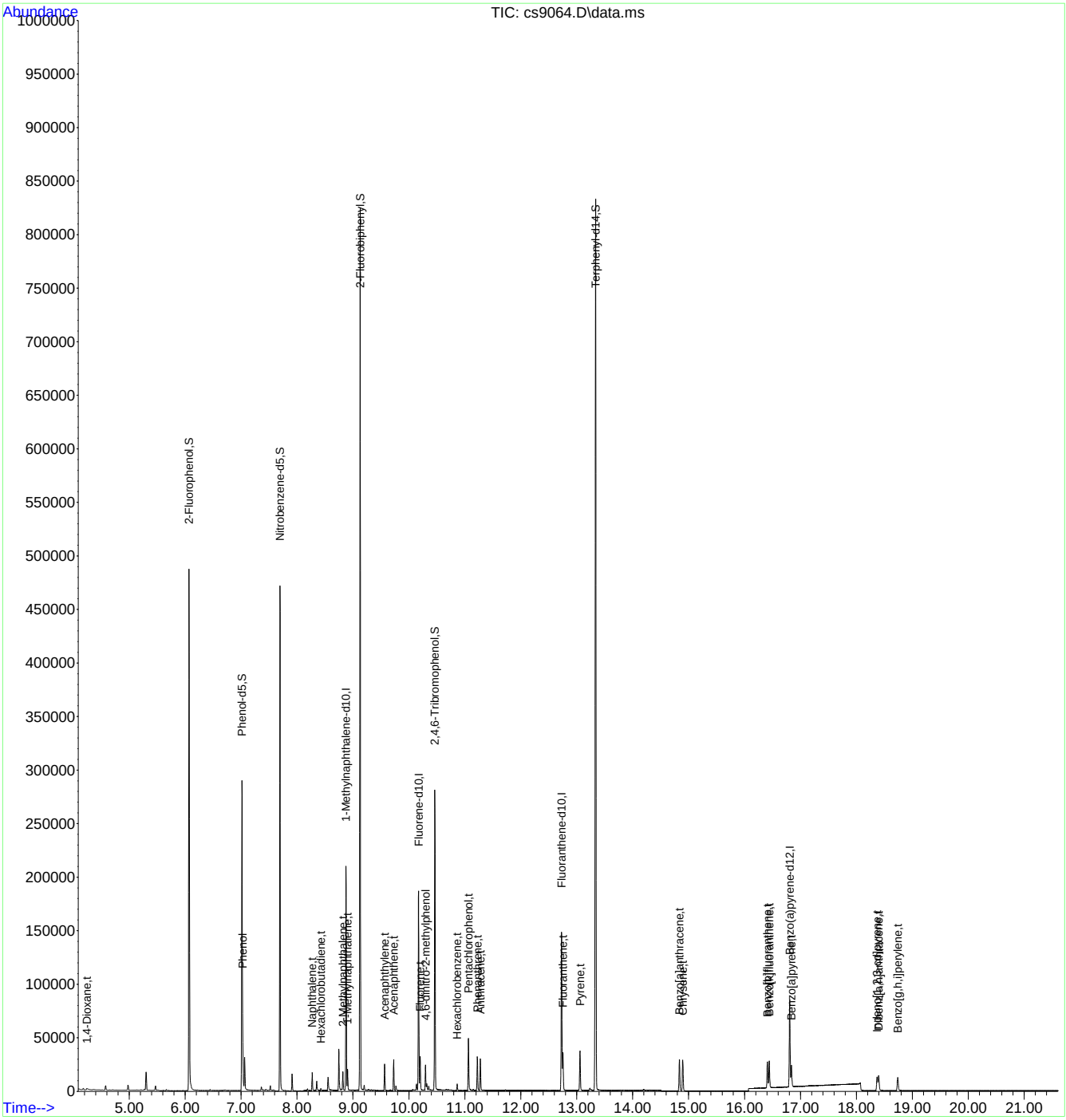
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1-Methylnaphthalene-d10	8.876	150	61225	800.00	ppb		0.00
11) Fluorene-d10	10.173	176	76244	800.00	ppb		0.00
18) Fluoranthene-d10	12.728	212	109977	800.00	ppb		0.00
28) Benzo(a)pyrene-d12	16.808	264	63131	800.00	ppb		0.00
System Monitoring Compounds							
3) 2-Fluorophenol	6.069	112	223445	3808.89	ppb		0.00
Spiked Amount 10000.000			Recovery =	38.09%			
4) Phenol-d5	7.015	99	213374	3080.35	ppb		0.00
Spiked Amount 10000.000			Recovery =	30.80%			
6) Nitrobenzene-d5	7.694	82	238901	4179.60	ppb		0.00
Spiked Amount 10000.000			Recovery =	41.80%			
12) 2-Fluorobiphenyl	9.128	172	382775	3097.26	ppb		0.00
Spiked Amount 10000.000			Recovery =	30.97%			
17) 2,4,6-Tribromophenol	10.463	330	94892	7484.02	ppb		0.00
Spiked Amount 10000.000			Recovery =	74.84%			
25) Terphenyl-d14	13.338	244	577246	7316.99	ppb		0.00
Spiked Amount 10000.000			Recovery =	73.17%			
Target Compounds							Qvalue
2) 1,4-Dioxane	4.243	88	1883	69.5219	ppb		96
5) Phenol	7.028	94	22765	284.2017	ppb	#	93
7) Naphthalene	8.273	128	10448	47.5419	ppb		99
8) Hexachlorobutadiene	8.426	225	671	20.8506	ppb		97
9) 2-Methylnaphthalene	8.819	141	5295	43.3852	ppb		98
10) 1-Methylnaphthalene	8.904	141	5944	51.1881	ppb		100
13) Acenaphthylene	9.566	152	14967	80.3153	ppb		100
14) Acenaphthene	9.728	153	9139	70.4803	ppb		99
15) Fluorene	10.200	166	12448	84.0932	ppb		99
16) 4,6-dinitro-2-methylph...	10.297	198	10349	786.3772	ppb		99
19) Hexachlorobenzene	10.861	284	2203	58.7247	ppb		96
20) Pentachlorophenol	11.064	266	19170	1060.6501	ppb		100
21) Phenanthrene	11.224	178	20873	107.0093	ppb		98
22) Anthracene	11.276	178	20162	112.0973	ppb		99
23) Fluoranthene	12.753	202	25452	124.3056	ppb		99
24) Pyrene	13.058	202	26605	127.8934	ppb		99
26) Benzo[a]anthracene	14.835	228	21184	141.0324	ppb		100
27) Chrysene	14.894	228	20659	138.5605	ppb		100
29) Benzo[b]fluoranthene	16.410	252	17831	129.2446	ppb		99
30) Benzo[k]fluoranthene	16.442	252	18846	146.4874	ppb		99
31) Benzo[a]pyrene	16.838	252	15354	120.0207	ppb		99
32) Indeno[1,2,3-cd]pyrene	18.369	276	12839	127.2397	ppb		96
33) Dibenz[a,h]anthracene	18.397	278	12268	129.6888	ppb		99
34) Benzo[g,h,i]perylene	18.739	276	12008	119.3720	ppb		98

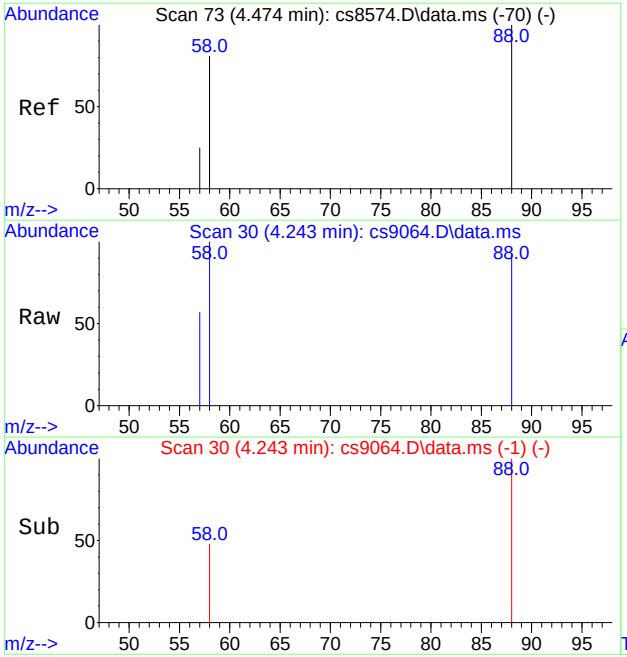
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\recheleb\ecs468\
Data File : cs9064.D
Acq On : 16 Oct 2025 04:07 pm
Operator : alejanda
Sample : op68138a-bs12 Inst : GCMS_CS
Misc : op68138a,ecs468,250,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 17 01:49:36 2025
Quant Method : X:\Dayton SVOA GCMS\recheleb\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Fri Oct 17 01:42:09 2025
Response via : Initial Calibration

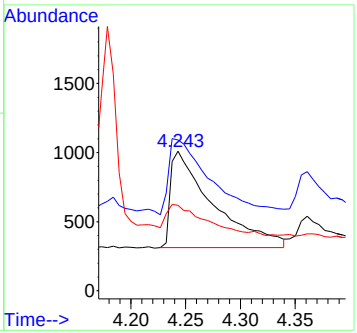


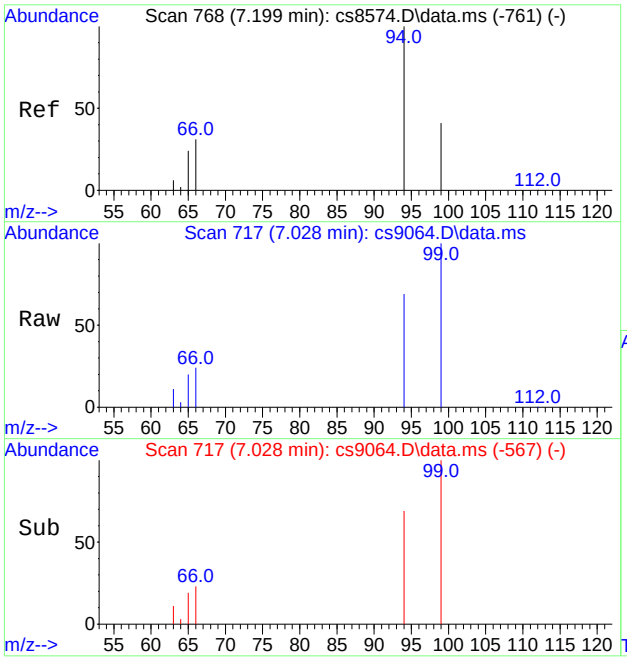


#2
1,4-Dioxane
Concen: 69.5219 ppb
RT: 4.243 min Scan# 30
Delta R.T. 0.048 min
Lab File: cs9064.D
Acq: 16 Oct 2025 04:07 pm

Tgt Ion: 88 Resp: 1883

Ion	Ratio	Lower	Upper
88	100		
58	78.0	61.3	101.3
57	28.1	5.8	45.8

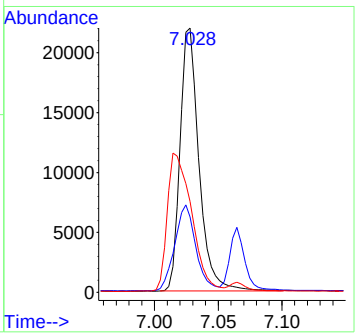


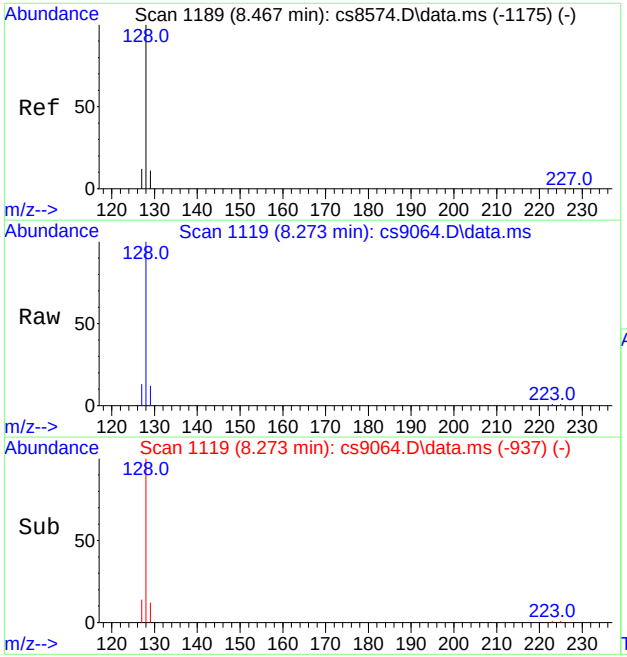


#5
Phenol
Concen: 284.2017 ppb
RT: 7.028 min Scan# 717
Delta R.T. -0.000 min
Lab File: cs9064.D
Acq: 16 Oct 2025 04:07 pm

Tgt Ion: 94 Resp: 22765

Ion	Ratio	Lower	Upper
94	100		
65	27.5	17.0	25.4#
66	31.9	24.6	37.0

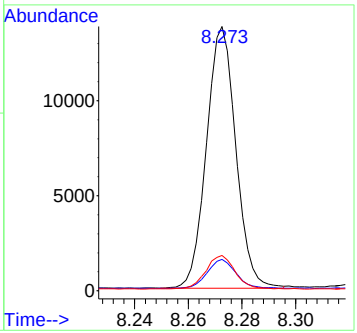


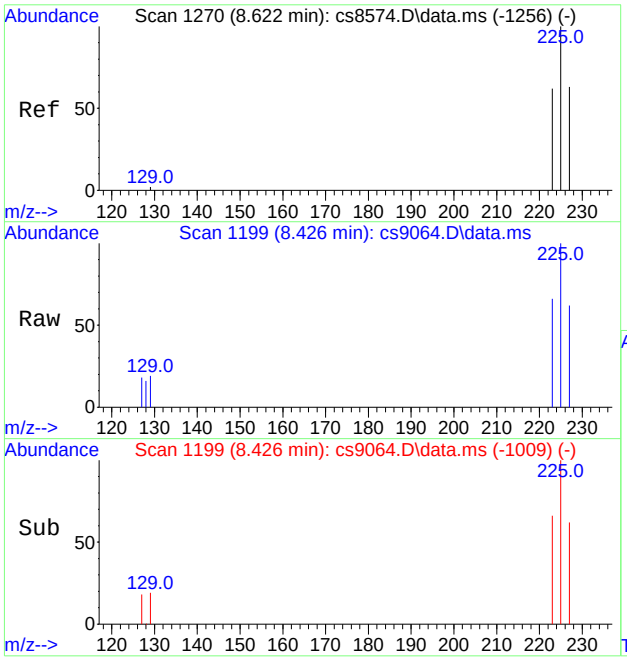


#7
Naphthalene
Concen: 47.5419 ppb
RT: 8.273 min Scan# 1119
Delta R.T. -0.000 min
Lab File: cs9064.D
Acq: 16 Oct 2025 04:07 pm

Tgt Ion:128 Resp: 10448

Ion	Ratio	Lower	Upper
128	100		
129	11.1	0.0	40.8
127	12.8	0.0	42.4

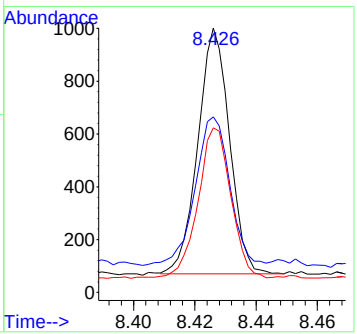


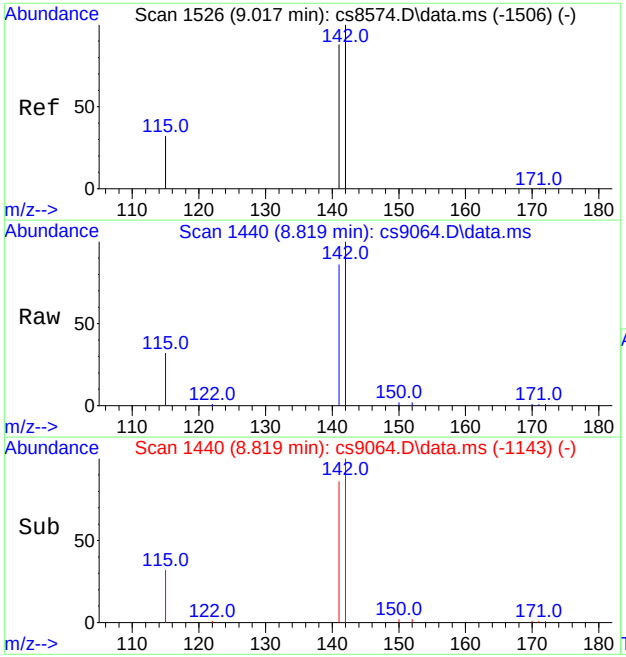


#8
Hexachlorobutadiene
Concen: 20.8506 ppb
RT: 8.426 min Scan# 1199
Delta R.T. -0.000 min
Lab File: cs9064.D
Acq: 16 Oct 2025 04:07 pm

Tgt Ion:225 Resp: 671

Ion	Ratio	Lower	Upper
225	100		
223	58.9	31.8	91.8
227	60.6	32.6	92.6

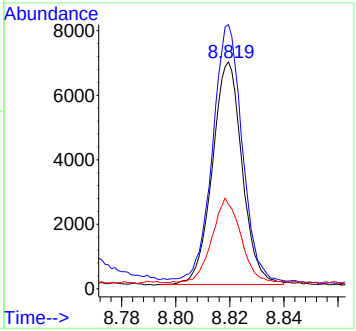


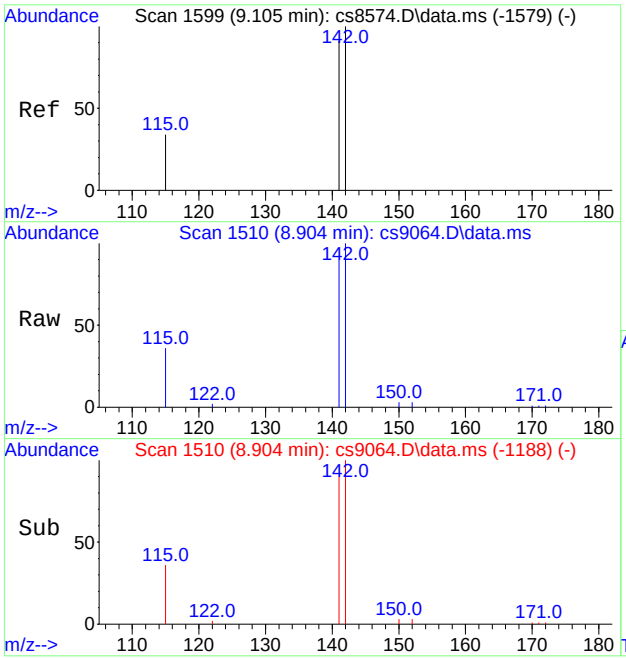


#9
2-Methylnaphthalene
Concen: 43.3852 ppb
RT: 8.819 min Scan# 1440
Delta R.T. -0.000 min
Lab File: cs9064.D
Acq: 16 Oct 2025 04:07 pm

Tgt Ion:141 Resp: 5295

Ion	Ratio	Lower	Upper
141	100		
142	115.3	83.1	143.1
115	34.9	5.8	65.8

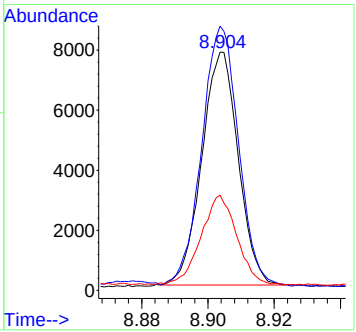


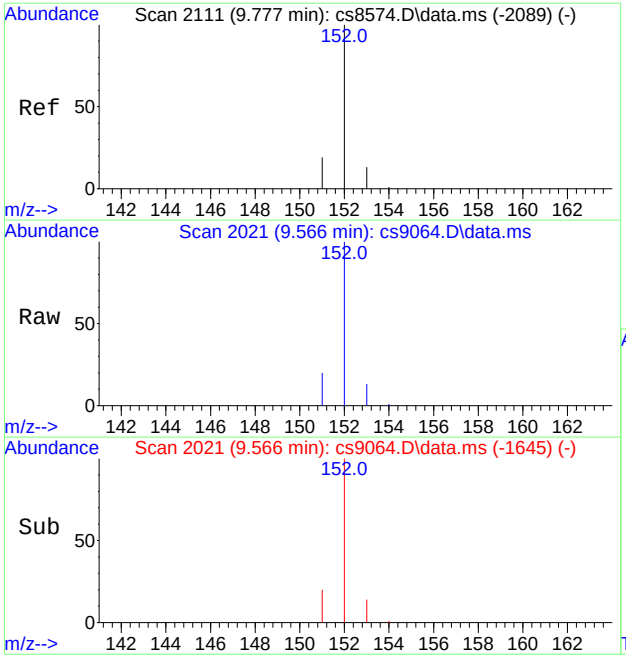


#10
1-Methylnaphthalene
Concen: 51.1881 ppb
RT: 8.904 min Scan# 1510
Delta R.T. -0.001 min
Lab File: cs9064.D
Acq: 16 Oct 2025 04:07 pm

Tgt Ion:141 Resp: 5944

Ion	Ratio	Lower	Upper
141	100		
142	111.0	80.8	140.8
115	38.0	7.2	67.2

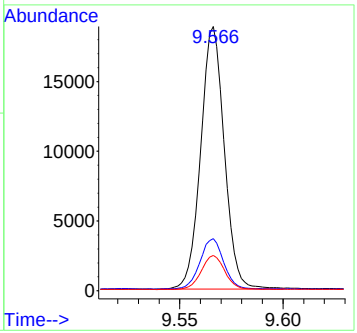


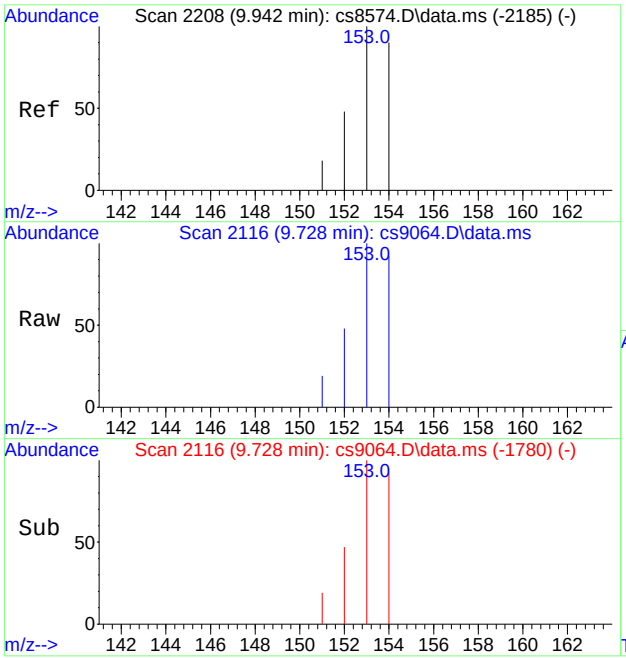


#13
Acenaphthylene
Concen: 80.3153 ppb
RT: 9.566 min Scan# 2021
Delta R.T. -0.000 min
Lab File: cs9064.D
Acq: 16 Oct 2025 04:07 pm

Tgt Ion:152 Resp: 14967

Ion	Ratio	Lower	Upper
152	100		
151	19.2	0.0	49.3
153	12.9	0.0	42.7

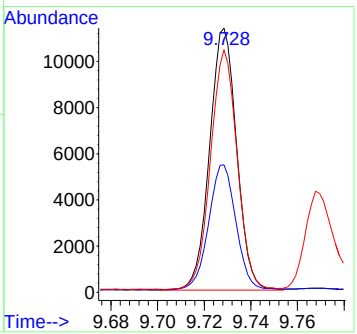


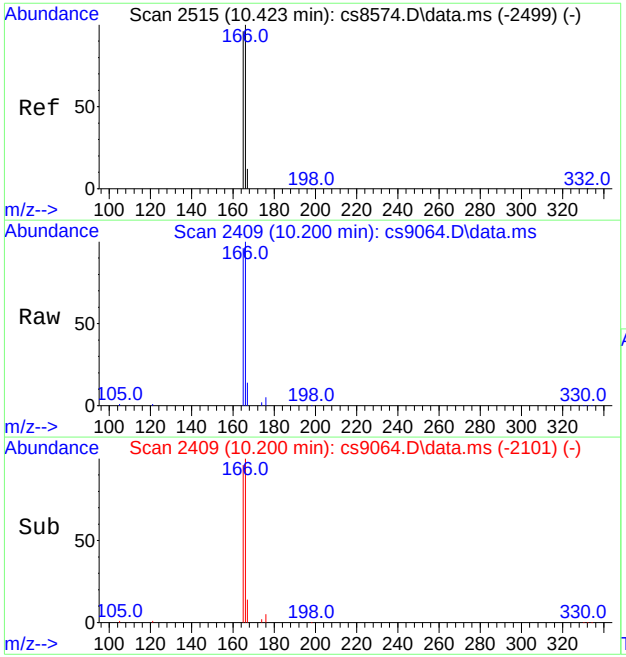


#14
Acenaphthene
Concen: 70.4803 ppb
RT: 9.728 min Scan# 2116
Delta R.T. -0.000 min
Lab File: cs9064.D
Acq: 16 Oct 2025 04:07 pm

Tgt Ion:153 Resp: 9139

Ion	Ratio	Lower	Upper
153	100		
152	47.5	17.7	77.7
154	91.3	59.5	119.5

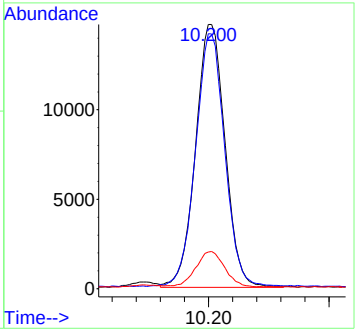


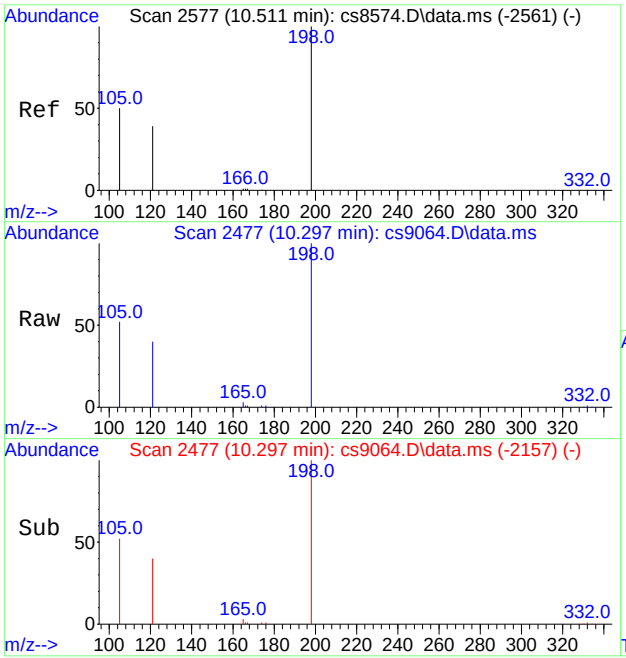


#15
Fluorene
Concen: 84.0932 ppb
RT: 10.200 min Scan# 2409
Delta R.T. -0.003 min
Lab File: cs9064.D
Acq: 16 Oct 2025 04:07 pm

Tgt Ion:166 Resp: 12448

Ion	Ratio	Lower	Upper
166	100		
165	96.3	65.7	125.7
167	13.1	0.0	42.4

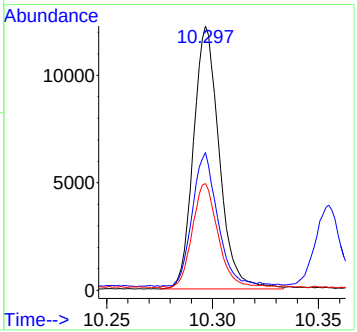


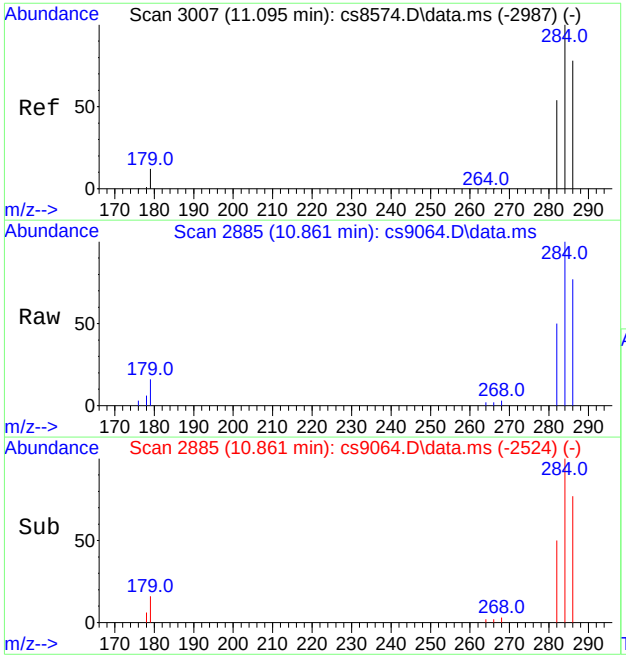


#16
4,6-dinitro-2-methylphenol
Concen: 786.3772 ppb
RT: 10.297 min Scan# 2477
Delta R.T. -0.001 min
Lab File: cs9064.D
Acq: 16 Oct 2025 04:07 pm

Tgt Ion:198 Resp: 10349

Ion	Ratio	Lower	Upper
198	100		
105	50.8	29.9	69.9
121	39.3	19.3	59.3

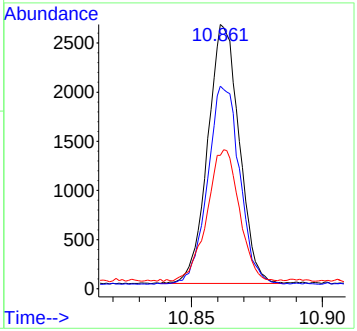


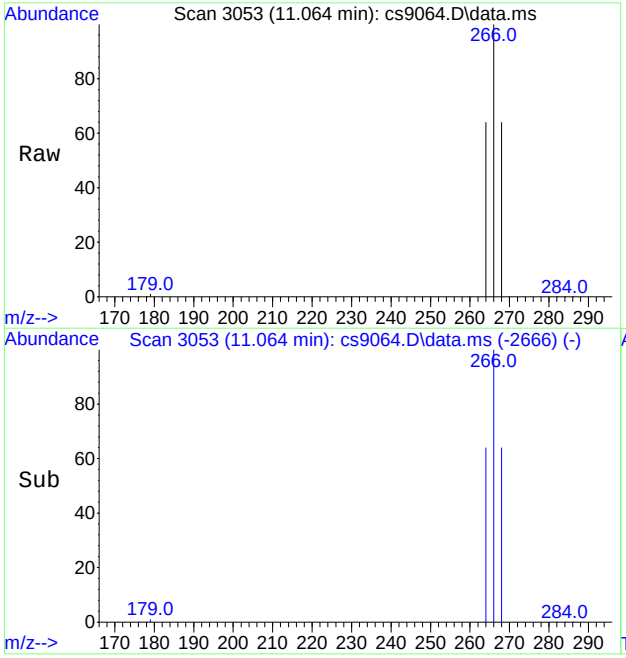


#19
Hexachlorobenzene
Concen: 58.7247 ppb
RT: 10.861 min Scan# 2885
Delta R.T. -0.002 min
Lab File: cs9064.D
Acq: 16 Oct 2025 04:07 pm

Tgt Ion:284 Resp: 2203

Ion	Ratio	Lower	Upper
284	100		
286	76.4	48.0	108.0
282	48.1	23.8	83.8

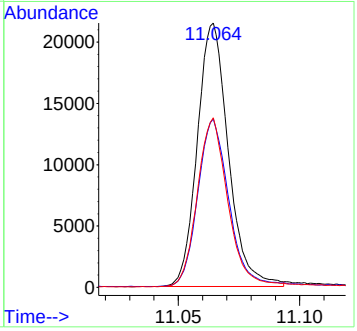


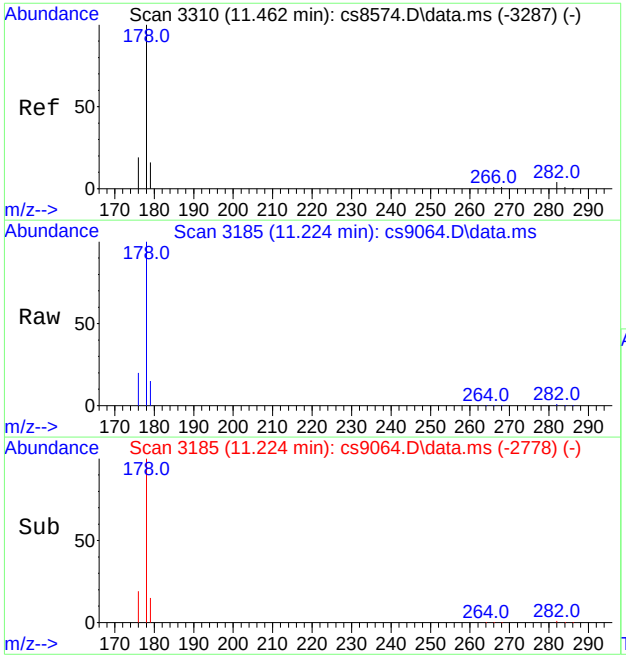


#20
Pentachlorophenol
Concen: 1060.6501 ppb
RT: 11.064 min Scan# 3053
Delta R.T. -0.001 min
Lab File: cs9064.D
Acq: 16 Oct 2025 04:07 pm

Tgt Ion:266 Resp: 19170

Ion	Ratio	Lower	Upper
266	100		
268	63.5	43.1	83.1
264	62.6	43.0	83.0

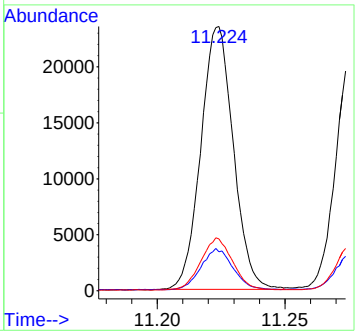


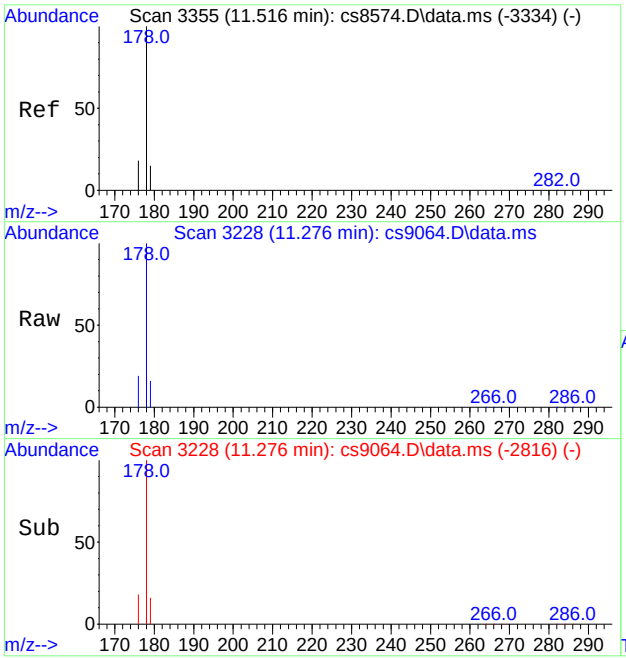


#21
Phenanthrene
Concen: 107.0093 ppb
RT: 11.224 min Scan# 3185
Delta R.T. -0.001 min
Lab File: cs9064.D
Acq: 16 Oct 2025 04:07 pm

Tgt Ion:178 Resp: 20873

Ion	Ratio	Lower	Upper
178	100		
179	14.3	0.0	45.7
176	19.3	0.0	49.2

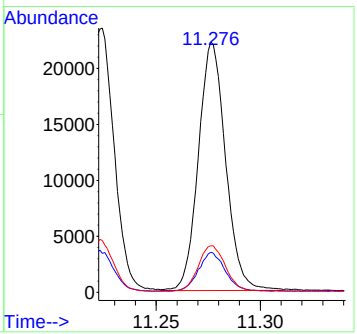


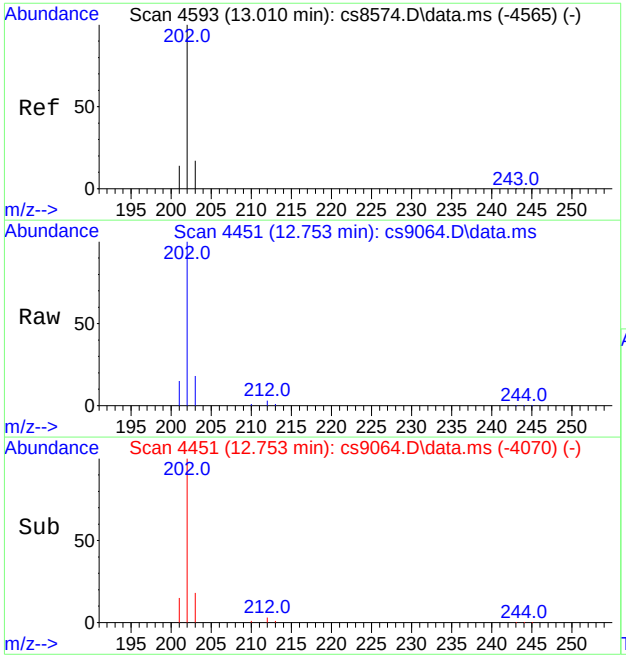


#22
Anthracene
Concen: 112.0973 ppb
RT: 11.276 min Scan# 3228
Delta R.T. -0.001 min
Lab File: cs9064.D
Acq: 16 Oct 2025 04:07 pm

Tgt Ion:178 Resp: 20162

Ion	Ratio	Lower	Upper
178	100		
179	15.7	0.0	45.2
176	18.2	0.0	48.4

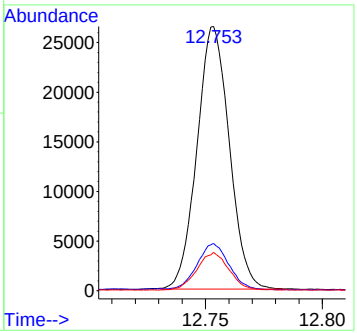


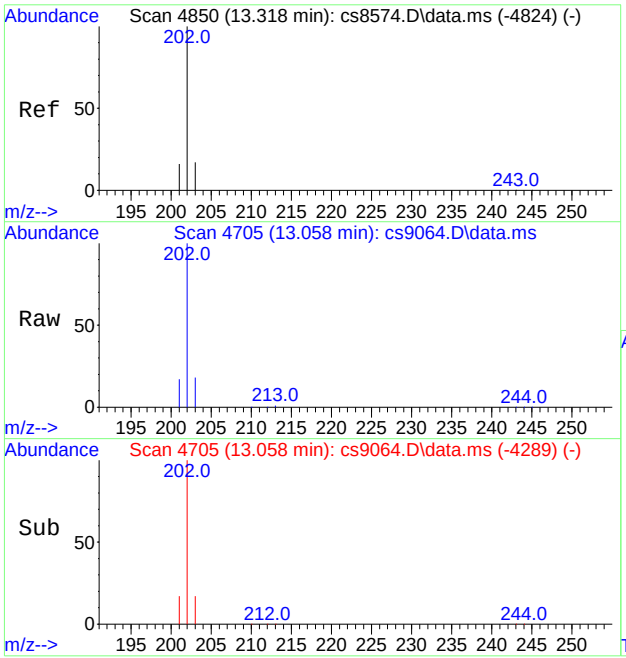


#23
Fluoranthene
Concen: 124.3056 ppb
RT: 12.753 min Scan# 4451
Delta R.T. -0.001 min
Lab File: cs9064.D
Acq: 16 Oct 2025 04:07 pm

Tgt Ion:202 Resp: 25452

Ion	Ratio	Lower	Upper
202	100		
203	17.5	0.0	47.2
201	14.3	0.0	44.0

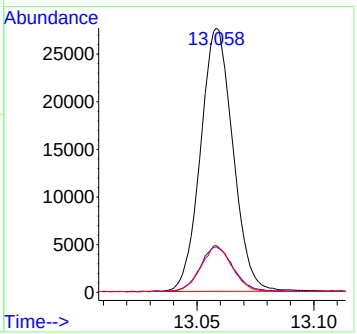


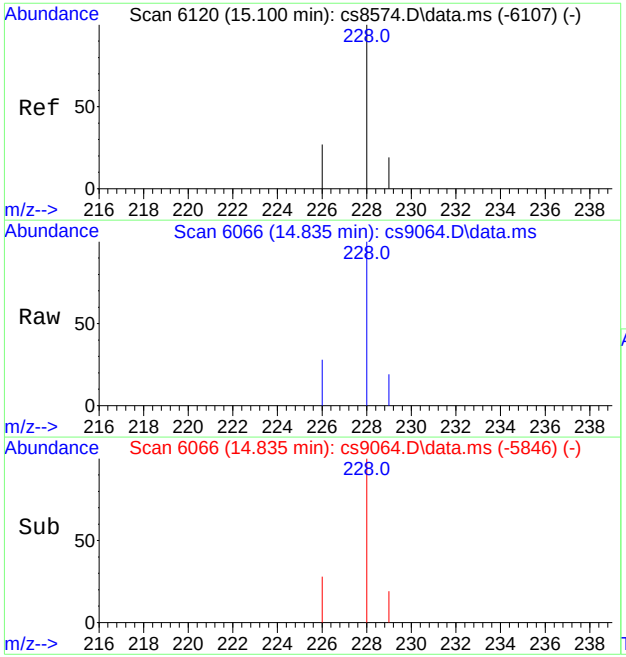


#24
Pyrene
Concen: 127.8934 ppb
RT: 13.058 min Scan# 4705
Delta R.T. -0.001 min
Lab File: cs9064.D
Acq: 16 Oct 2025 04:07 pm

Tgt Ion:202 Resp: 26605

Ion	Ratio	Lower	Upper
202	100		
203	17.3	0.0	47.1
201	16.9	0.0	46.4

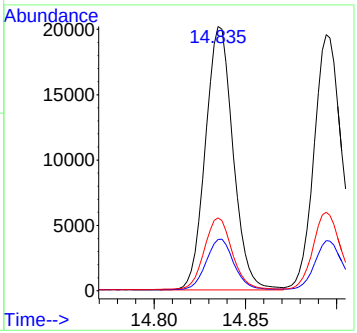


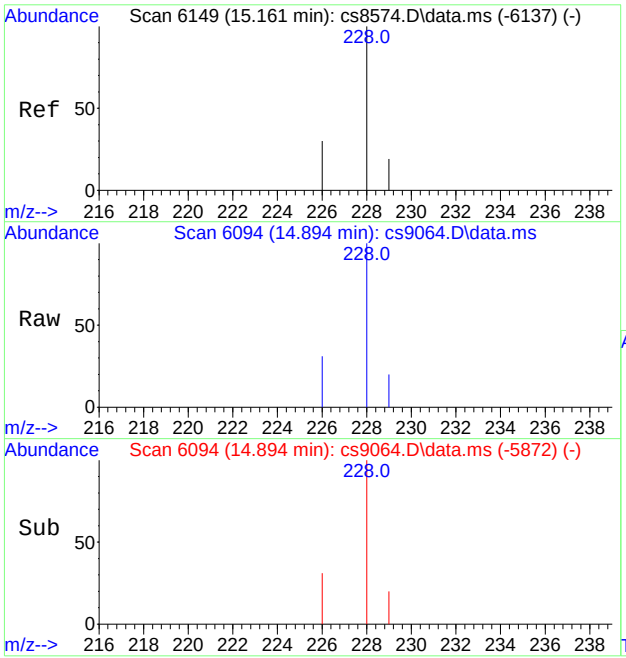


#26
Benzo[a]anthracene
Concen: 141.0324 ppb
RT: 14.835 min Scan# 6066
Delta R.T. -0.002 min
Lab File: cs9064.D
Acq: 16 Oct 2025 04:07 pm

Tgt Ion:228 Resp: 21184

Ion	Ratio	Lower	Upper
228	100		
229	19.1	0.0	49.1
226	27.2	0.0	57.0

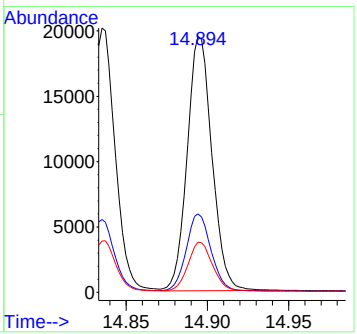


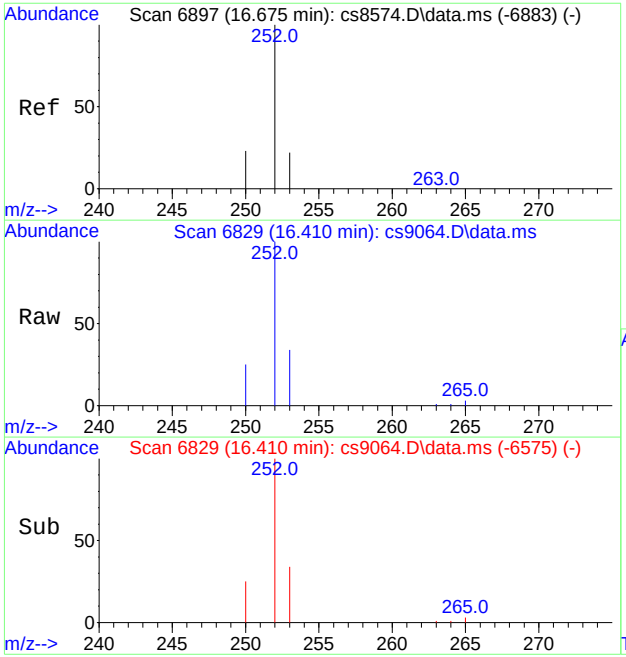


#27
Chrysene
Concen: 138.5605 ppb
RT: 14.894 min Scan# 6094
Delta R.T. -0.002 min
Lab File: cs9064.D
Acq: 16 Oct 2025 04:07 pm

Tgt Ion:228 Resp: 20659

Ion	Ratio	Lower	Upper
228	100		
226	30.3	0.2	60.2
229	19.2	0.0	49.5

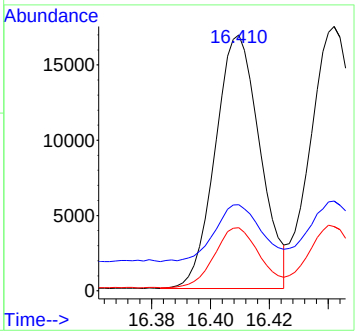


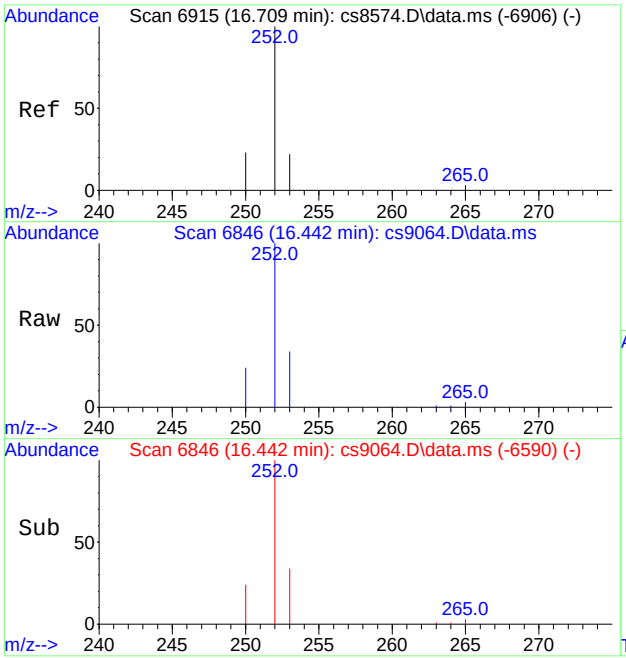


#29
Benzo[b]fluoranthene
Concen: 129.2446 ppb
RT: 16.410 min Scan# 6829
Delta R.T. -0.000 min
Lab File: cs9064.D
Acq: 16 Oct 2025 04:07 pm

Tgt Ion:252 Resp: 17831

Ion	Ratio	Lower	Upper
252	100		
253	22.0	0.0	51.5
250	23.6	0.0	53.4

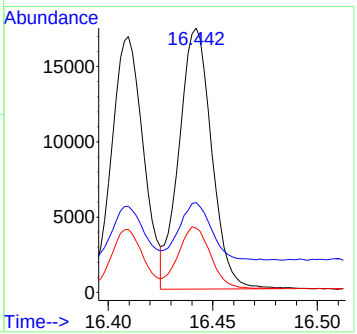


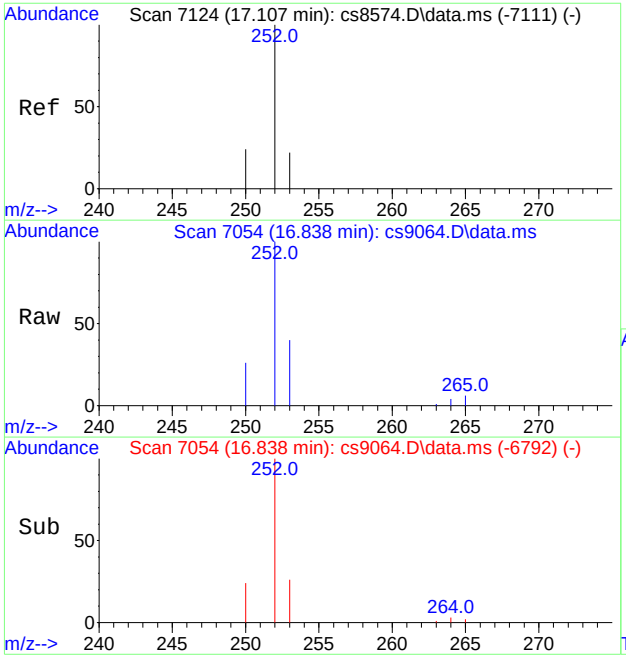


#30
Benzo[k]fluoranthene
Concen: 146.4874 ppb
RT: 16.442 min Scan# 6846
Delta R.T. -0.000 min
Lab File: cs9064.D
Acq: 16 Oct 2025 04:07 pm

Tgt Ion:252 Resp: 18846

Ion	Ratio	Lower	Upper
252	100		
253	22.1	0.0	51.3
250	23.1	0.0	53.2

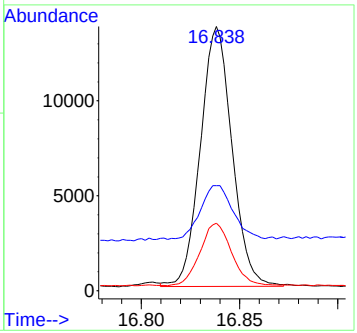


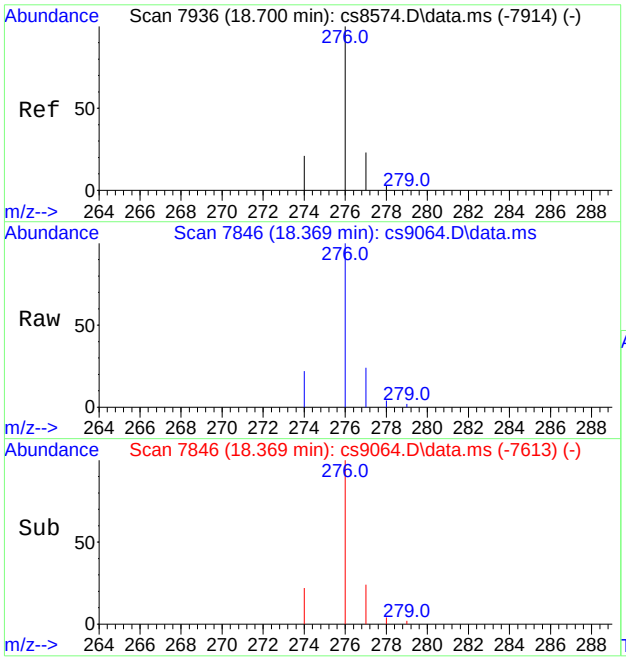


#31
Benzo[a]pyrene
Concen: 120.0207 ppb
RT: 16.838 min Scan# 7054
Delta R.T. -0.000 min
Lab File: cs9064.D
Acq: 16 Oct 2025 04:07 pm

Tgt Ion:252 Resp: 15354

Ion	Ratio	Lower	Upper
252	100		
253	20.1	0.0	51.3
250	24.0	0.0	53.7

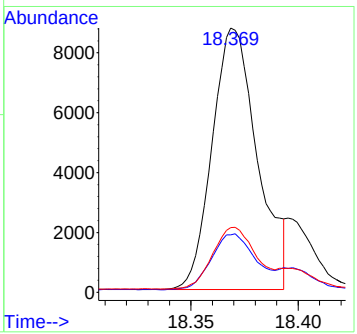


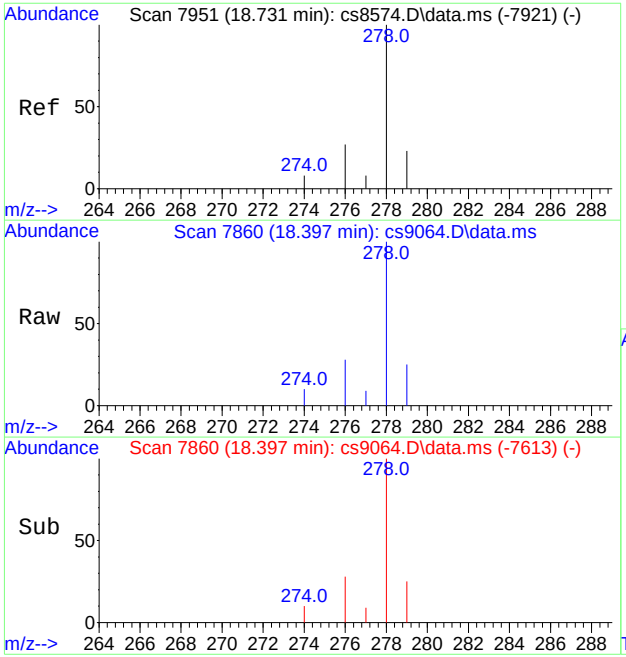


#32
Indeno[1,2,3-cd]pyrene
Concen: 127.2397 ppb
RT: 18.369 min Scan# 7846
Delta R.T. -0.002 min
Lab File: cs9064.D
Acq: 16 Oct 2025 04:07 pm

Tgt Ion:276 Resp: 12839

Ion	Ratio	Lower	Upper
276	100		
274	19.4	0.0	51.6
277	22.6	0.0	53.8

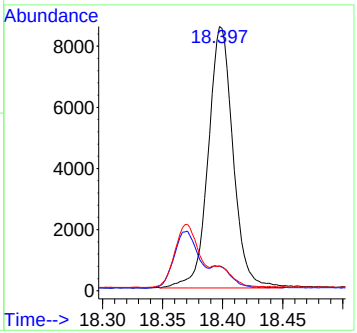


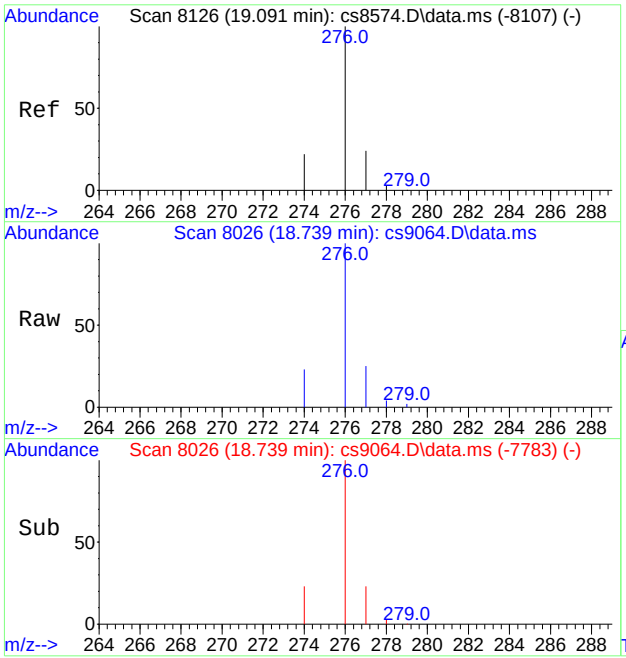


#33
Dibenz[a,h]anthracene
Concen: 129.6888 ppb
RT: 18.397 min Scan# 7860
Delta R.T. -0.000 min
Lab File: cs9064.D
Acq: 16 Oct 2025 04:07 pm

Tgt Ion:278 Resp: 12268

Ion	Ratio	Lower	Upper
278	100		
274	8.1	0.0	38.4
277	7.5	0.0	37.8

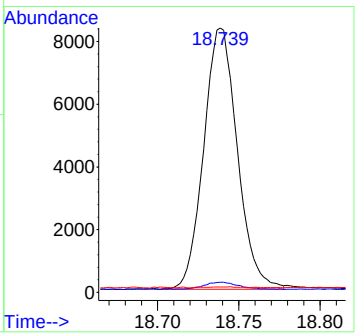




#34
Benzo[g,h,i]perylene
Concen: 119.3720 ppb
RT: 18.739 min Scan# 8026
Delta R.T. -0.000 min
Lab File: cs9064.D
Acq: 16 Oct 2025 04:07 pm

Tgt Ion:276 Resp: 12008

Ion	Ratio	Lower	Upper
276	100		
278	2.8	0.0	33.3
279	0.2	0.0	31.1



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\recheleb\ecs468\
Data File : cs9065.D
Acq On : 16 Oct 2025 04:33 pm
Operator : alejanda
Sample : op68138a-bsd12 Inst : GCMS_CS
Misc : op68138a,ecs468,250,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 17 01:49:44 2025
Quant Method : X:\Dayton SVOA GCMS\recheleb\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Fri Oct 17 01:42:09 2025
Response via : Initial Calibration

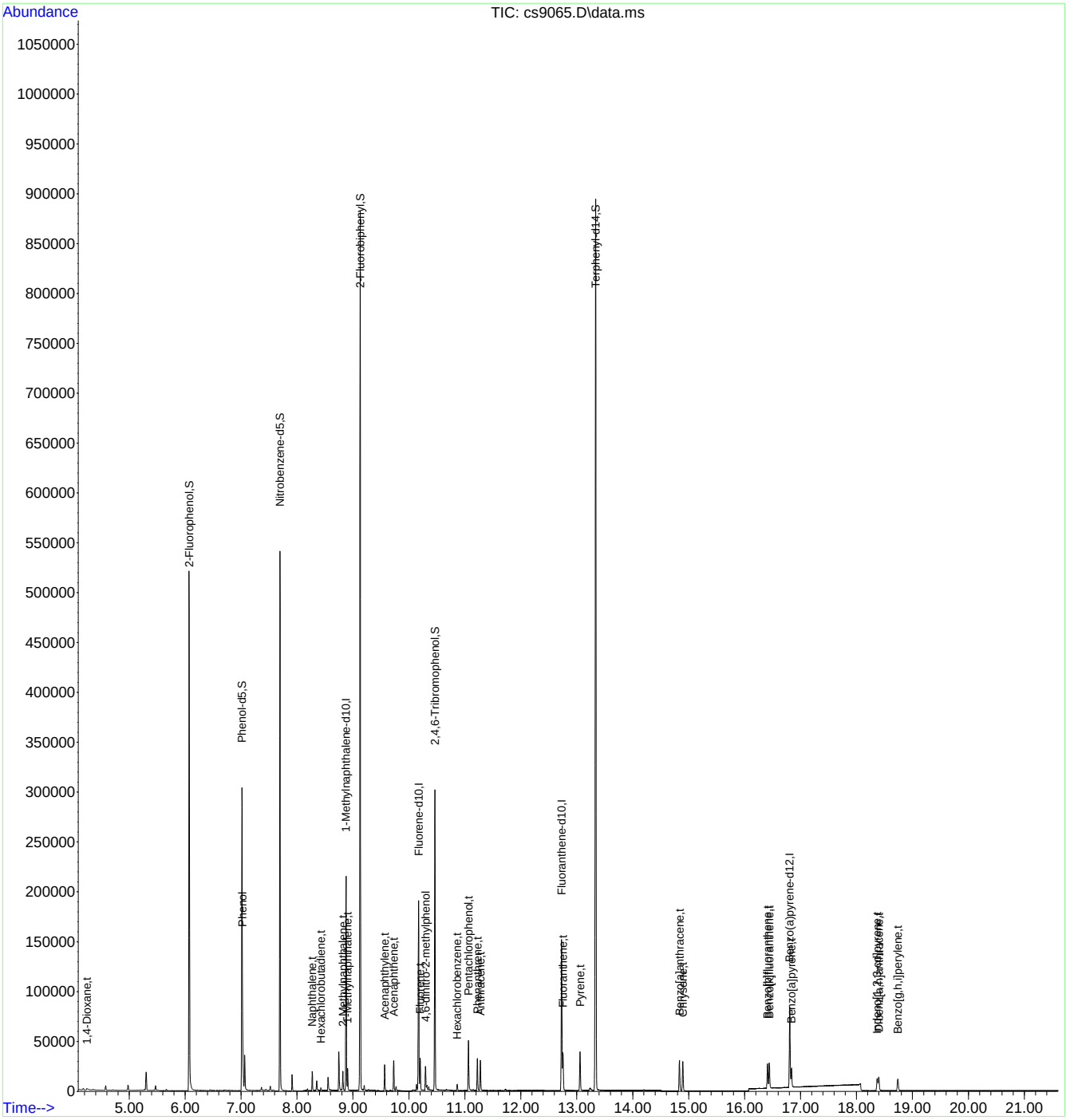
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1-Methylnaphthalene-d10	8.876	150	62856	800.00	ppb		0.00
11) Fluorene-d10	10.173	176	79333	800.00	ppb		0.00
18) Fluoranthene-d10	12.728	212	113681	800.00	ppb		0.00
28) Benzo(a)pyrene-d12	16.806	264	62861	800.00	ppb		0.00
System Monitoring Compounds							
3) 2-Fluorophenol	6.073	112	241130	4003.70	ppb		0.00
Spiked Amount 10000.000			Recovery =	40.04%			
4) Phenol-d5	7.015	99	221484	3114.46	ppb		0.00
Spiked Amount 10000.000			Recovery =	31.14%			
6) Nitrobenzene-d5	7.694	82	270935	4617.05	ppb		0.00
Spiked Amount 10000.000			Recovery =	46.17%			
12) 2-Fluorobiphenyl	9.129	172	404454	3145.25	ppb		0.00
Spiked Amount 10000.000			Recovery =	31.45%			
17) 2,4,6-Tribromophenol	10.463	330	101270	7676.05	ppb		0.00
Spiked Amount 10000.000			Recovery =	76.76%			
25) Terphenyl-d14	13.338	244	620842	7613.19	ppb		0.00
Spiked Amount 10000.000			Recovery =	76.13%			
Target Compounds							Qvalue
2) 1,4-Dioxane	4.243	88	1983	71.3142	ppb		98
5) Phenol	7.025	94	23513	285.9230	ppb	#	78
7) Naphthalene	8.273	128	11994	53.1606	ppb		99
8) Hexachlorobutadiene	8.426	225	949	28.7240	ppb		99
9) 2-Methylnaphthalene	8.818	141	5829	46.5213	ppb		97
10) 1-Methylnaphthalene	8.904	141	6726	56.4195	ppb		98
13) Acenaphthylene	9.565	152	15905	82.0255	ppb		100
14) Acenaphthene	9.729	153	9500	70.4117	ppb		98
15) Fluorene	10.201	166	12456	80.8708	ppb		99
16) 4,6-dinitro-2-methylph...	10.297	198	10722	783.5093	ppb		97
19) Hexachlorobenzene	10.861	284	2374	61.2211	ppb		97
20) Pentachlorophenol	11.063	266	19951	1066.5439	ppb		99
21) Phenanthrene	11.223	178	21383	106.0521	ppb		99
22) Anthracene	11.276	178	20295	109.1603	ppb		100
23) Fluoranthene	12.752	202	27541	130.1255	ppb		99
24) Pyrene	13.057	202	28657	133.2692	ppb		99
26) Benzo[a]anthracene	14.835	228	21921	141.1839	ppb		100
27) Chrysene	14.896	228	21608	140.2035	ppb		99
29) Benzo[b]fluoranthene	16.408	252	18115	131.8671	ppb		100
30) Benzo[k]fluoranthene	16.440	252	18681	145.8286	ppb		99
31) Benzo[a]pyrene	16.838	252	14384	112.9213	ppb		99
32) Indeno[1,2,3-cd]pyrene	18.369	276	12157	120.9983	ppb		98
33) Dibenz[a,h]anthracene	18.398	278	11710	124.3217	ppb		96
34) Benzo[g,h,i]perylene	18.739	276	11421	114.0243	ppb		98

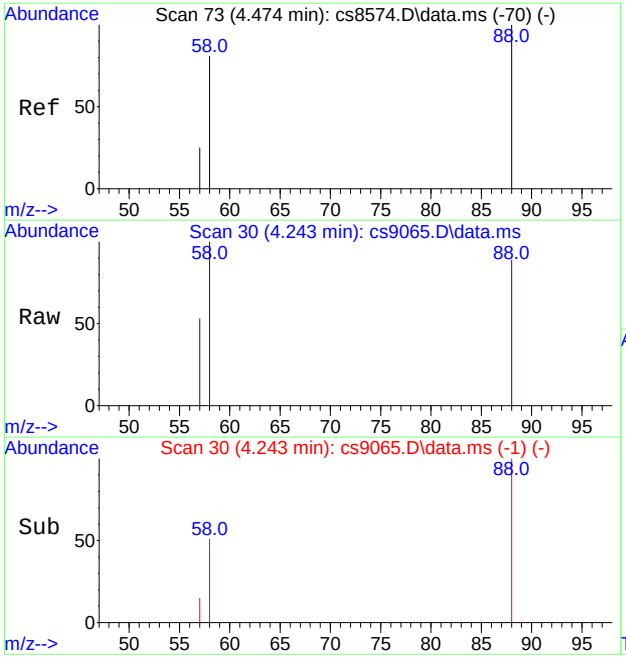
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\recheleb\ecs468\
Data File : cs9065.D
Acq On : 16 Oct 2025 04:33 pm
Operator : alejanda
Sample : op68138a-bsd12 Inst : GCMS_CS
Misc : op68138a,ecs468,250,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 17 01:49:44 2025
Quant Method : X:\Dayton SVOA GCMS\recheleb\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Fri Oct 17 01:42:09 2025
Response via : Initial Calibration

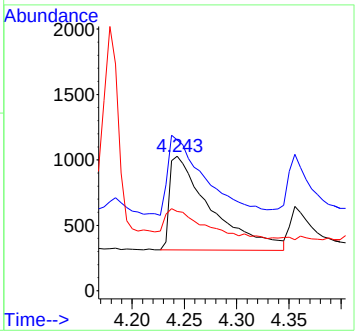


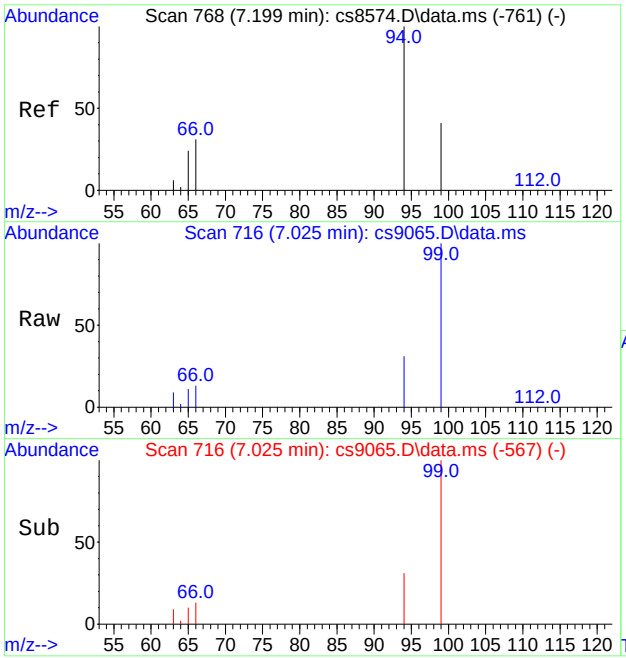


#2
1,4-Dioxane
Concen: 71.3142 ppb
RT: 4.243 min Scan# 30
Delta R.T. 0.048 min
Lab File: cs9065.D
Acq: 16 Oct 2025 04:33 pm

Tgt Ion: 88 Resp: 1983

Ion	Ratio	Lower	Upper
88	100		
58	78.8	61.3	101.3
57	25.6	5.8	45.8

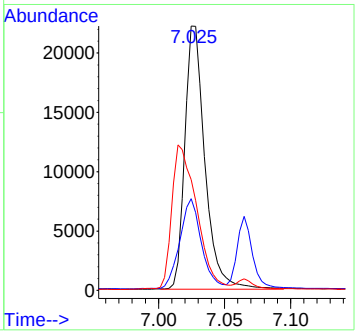


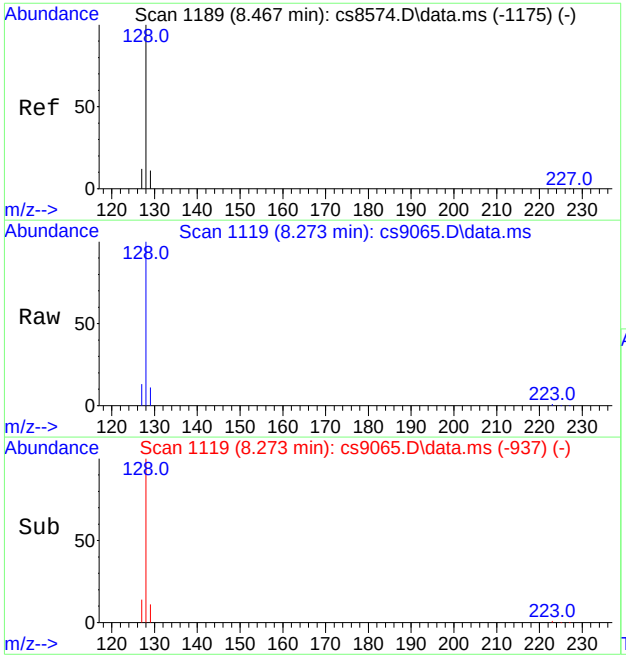


#5
Phenol
Concen: 285.9230 ppb
RT: 7.025 min Scan# 716
Delta R.T. -0.003 min
Lab File: cs9065.D
Acq: 16 Oct 2025 04:33 pm

Tgt Ion: 94 Resp: 23513

Ion	Ratio	Lower	Upper
94	100		
65	33.9	17.0	25.4#
66	41.2	24.6	37.0#

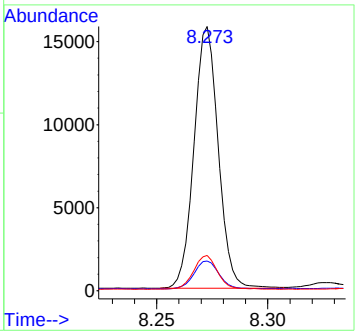


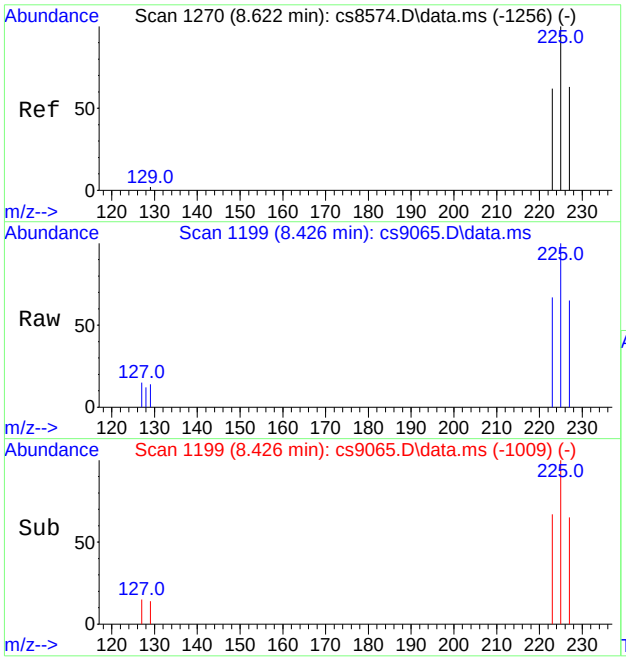


#7
Naphthalene
Concen: 53.1606 ppb
RT: 8.273 min Scan# 1119
Delta R.T. 0.000 min
Lab File: cs9065.D
Acq: 16 Oct 2025 04:33 pm

Tgt Ion:128 Resp: 11994

Ion	Ratio	Lower	Upper
128	100		
129	10.6	0.0	40.8
127	12.9	0.0	42.4

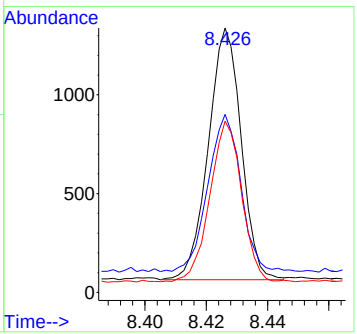


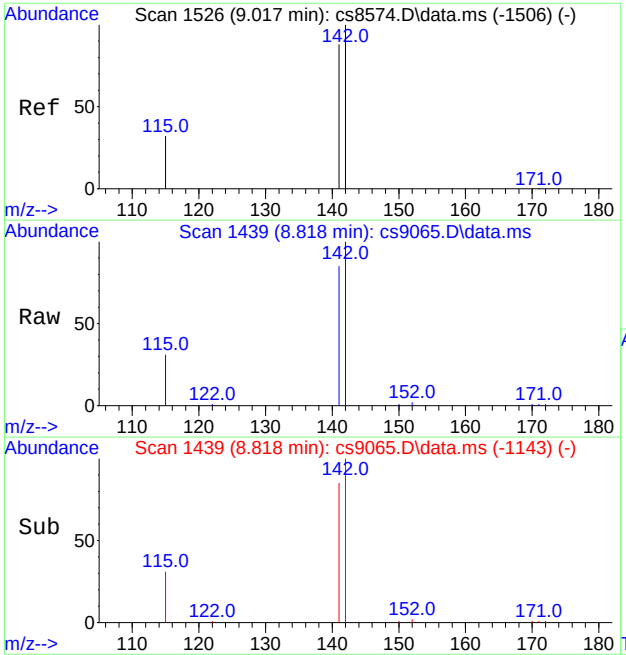


#8
Hexachlorobutadiene
Concen: 28.7240 ppb
RT: 8.426 min Scan# 1199
Delta R.T. 0.000 min
Lab File: cs9065.D
Acq: 16 Oct 2025 04:33 pm

Tgt Ion:225 Resp: 949

Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.8	91.8
227	63.7	32.6	92.6

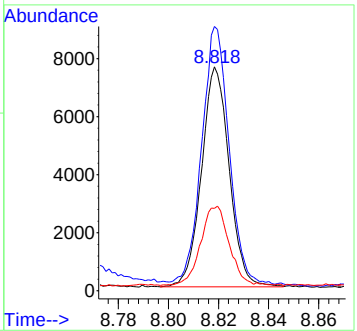


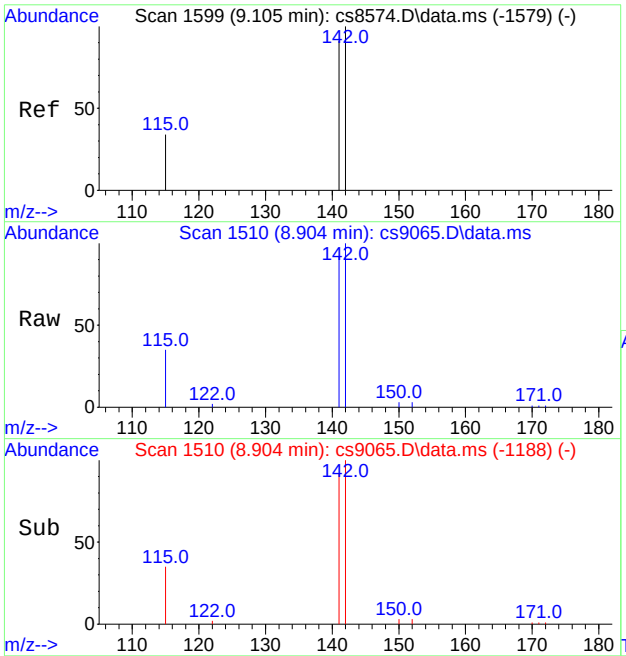


#9
2-Methylnaphthalene
Concen: 46.5213 ppb
RT: 8.818 min Scan# 1439
Delta R.T. -0.001 min
Lab File: cs9065.D
Acq: 16 Oct 2025 04:33 pm

Tgt Ion:141 Resp: 5829

Ion	Ratio	Lower	Upper
141	100		
142	116.6	83.1	143.1
115	35.0	5.8	65.8

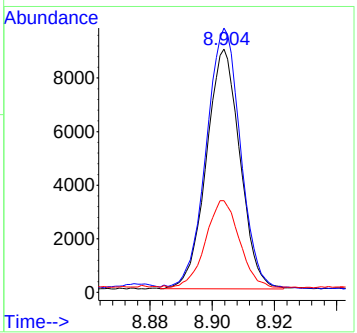


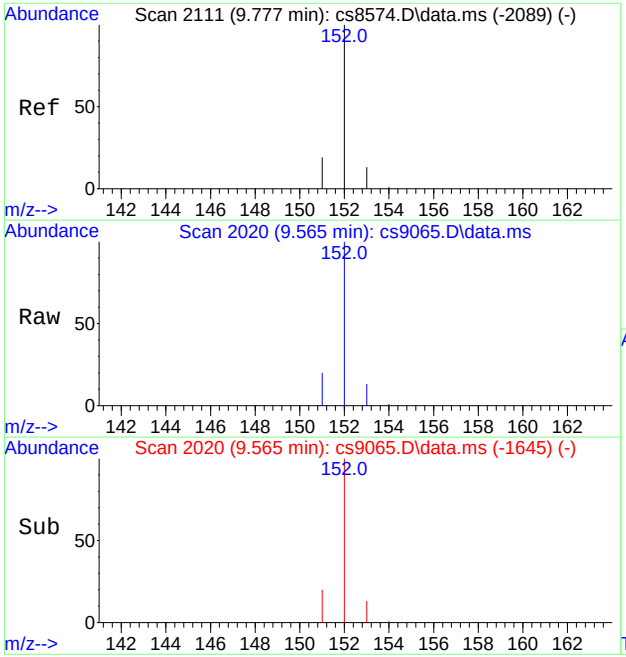


#10
1-Methylnaphthalene
Concen: 56.4195 ppb
RT: 8.904 min Scan# 1510
Delta R.T. -0.001 min
Lab File: cs9065.D
Acq: 16 Oct 2025 04:33 pm

Tgt Ion:141 Resp: 6726

Ion	Ratio	Lower	Upper
141	100		
142	108.3	80.8	140.8
115	36.1	7.2	67.2

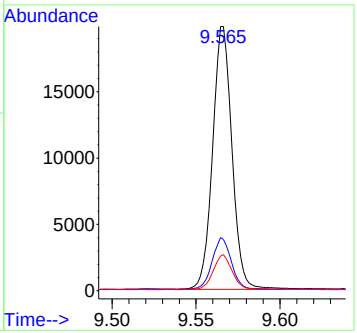


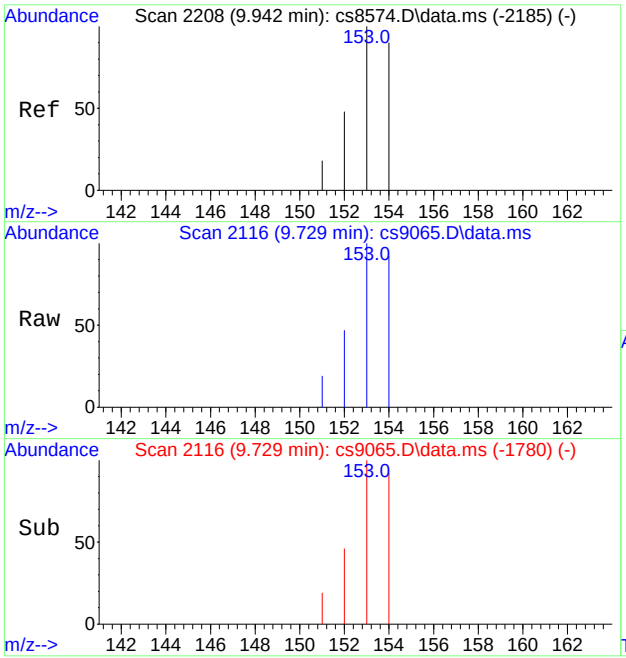


#13
Acenaphthylene
Concen: 82.0255 ppb
RT: 9.565 min Scan# 2020
Delta R.T. -0.002 min
Lab File: cs9065.D
Acq: 16 Oct 2025 04:33 pm

Tgt Ion:152 Resp: 15905

Ion	Ratio	Lower	Upper
152	100		
151	19.6	0.0	49.3
153	12.7	0.0	42.7

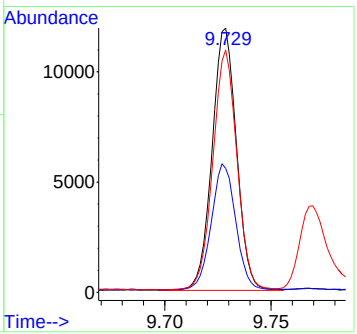


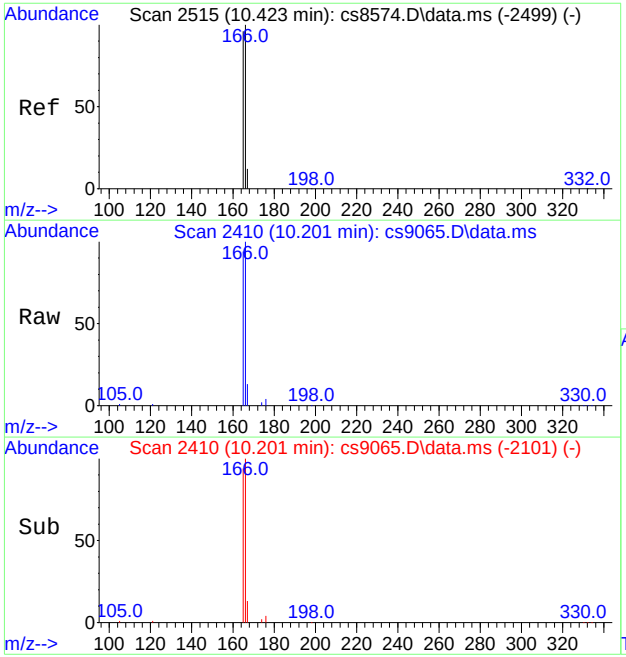


#14
Acenaphthene
Concen: 70.4117 ppb
RT: 9.729 min Scan# 2116
Delta R.T. 0.000 min
Lab File: cs9065.D
Acq: 16 Oct 2025 04:33 pm

Tgt Ion:153 Resp: 9500

Ion	Ratio	Lower	Upper
153	100		
152	46.3	17.7	77.7
154	91.1	59.5	119.5

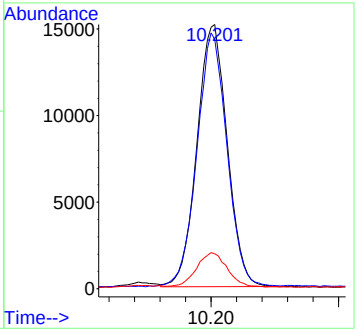


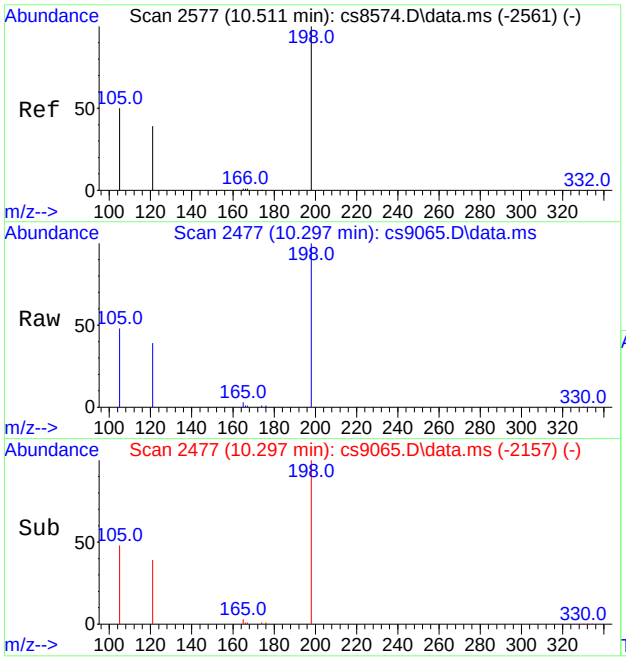


#15
Fluorene
Concen: 80.8708 ppb
RT: 10.201 min Scan# 2410
Delta R.T. -0.001 min
Lab File: cs9065.D
Acq: 16 Oct 2025 04:33 pm

Tgt Ion:166 Resp: 12456

Ion	Ratio	Lower	Upper
166	100		
165	94.2	65.7	125.7
167	12.4	0.0	42.4

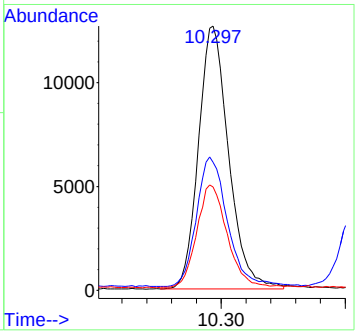


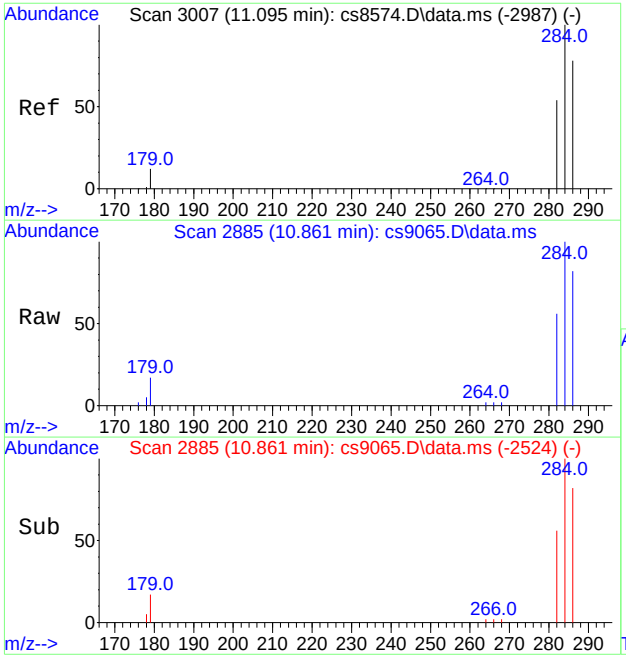


#16
4,6-dinitro-2-methylphenol
Concen: 783.5093 ppb
RT: 10.297 min Scan# 2477
Delta R.T. -0.001 min
Lab File: cs9065.D
Acq: 16 Oct 2025 04:33 pm

Tgt Ion:198 Resp: 10722

Ion	Ratio	Lower	Upper
198	100		
105	47.1	29.9	69.9
121	38.1	19.3	59.3

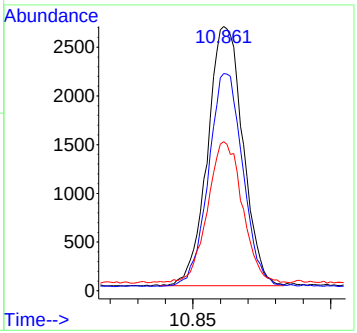


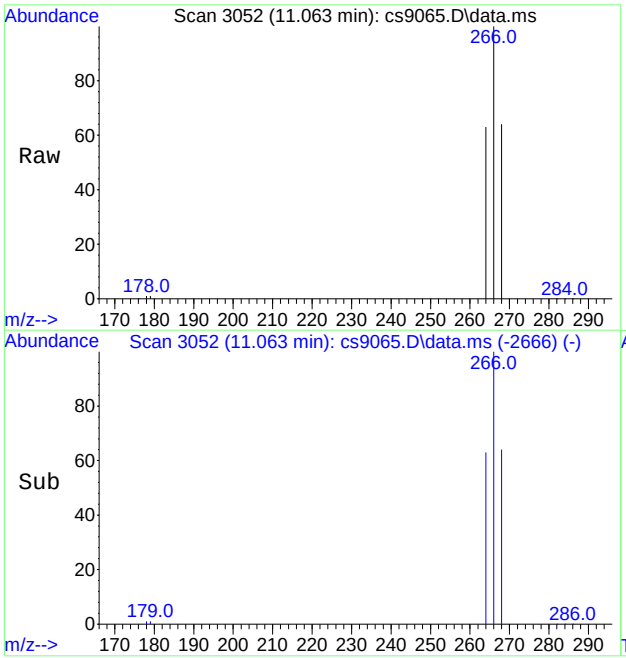


#19
Hexachlorobenzene
Concen: 61.2211 ppb
RT: 10.861 min Scan# 2885
Delta R.T. -0.002 min
Lab File: cs9065.D
Acq: 16 Oct 2025 04:33 pm

Tgt Ion:284 Resp: 2374

Ion	Ratio	Lower	Upper
284	100		
286	81.9	48.0	108.0
282	54.1	23.8	83.8

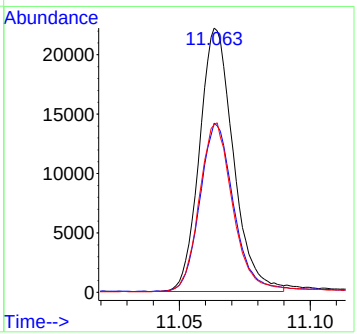


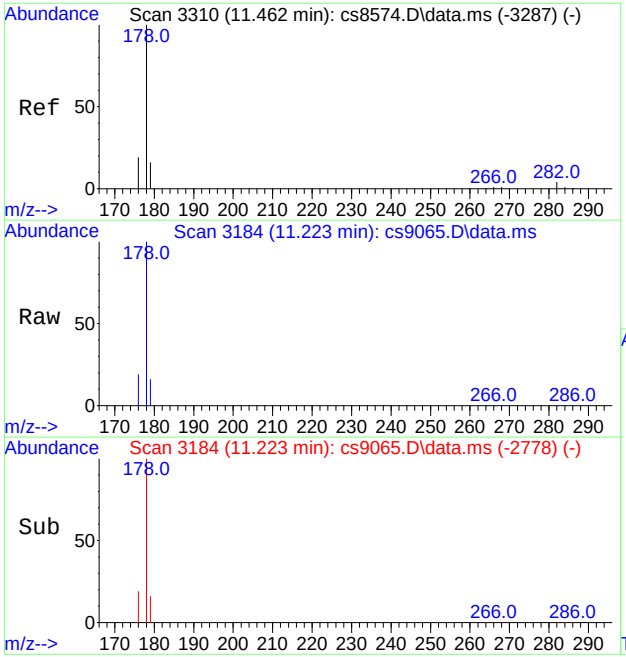


#20
Pentachlorophenol
Concen: 1066.5439 ppb
RT: 11.063 min Scan# 3052
Delta R.T. -0.002 min
Lab File: cs9065.D
Acq: 16 Oct 2025 04:33 pm

Tgt Ion:266 Resp: 19951

Ion	Ratio	Lower	Upper
266	100		
268	63.7	43.1	83.1
264	63.6	43.0	83.0

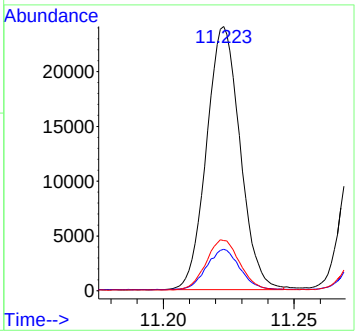


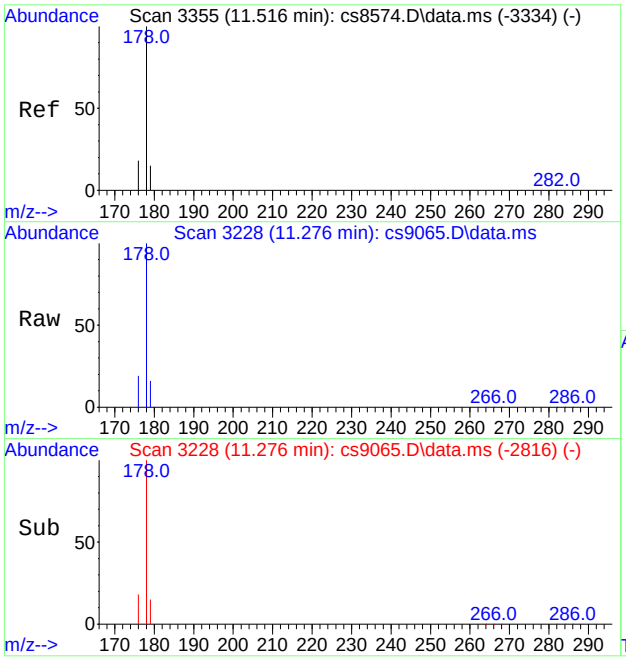


#21
Phenanthrene
Concen: 106.0521 ppb
RT: 11.223 min Scan# 3184
Delta R.T. -0.002 min
Lab File: cs9065.D
Acq: 16 Oct 2025 04:33 pm

Tgt Ion:178 Resp: 21383

Ion	Ratio	Lower	Upper
178	100		
179	15.3	0.0	45.7
176	18.8	0.0	49.2

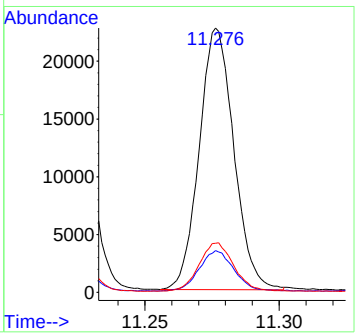


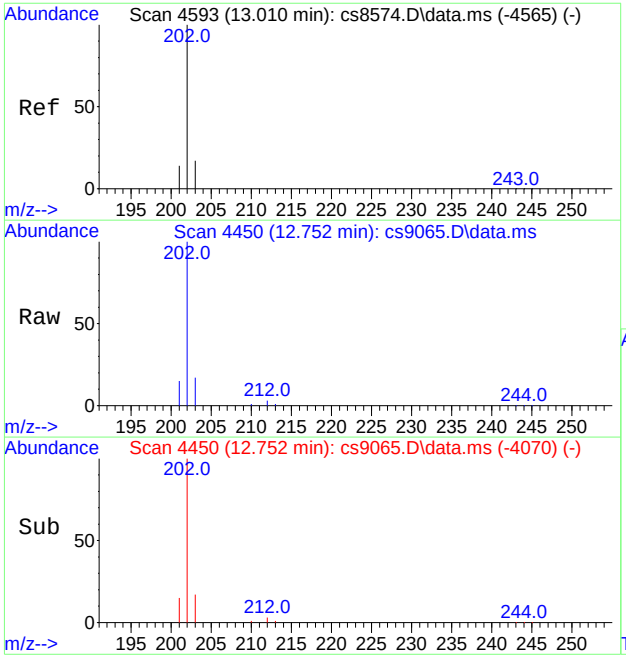


#22
Anthracene
Concen: 109.1603 ppb
RT: 11.276 min Scan# 3228
Delta R.T. -0.001 min
Lab File: cs9065.D
Acq: 16 Oct 2025 04:33 pm

Tgt Ion:178 Resp: 20295

Ion	Ratio	Lower	Upper
178	100		
179	15.4	0.0	45.2
176	18.3	0.0	48.4

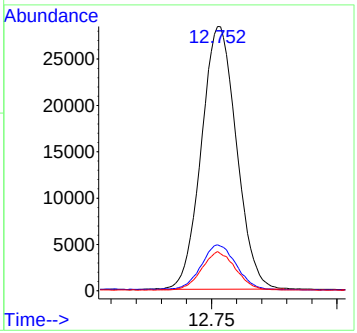


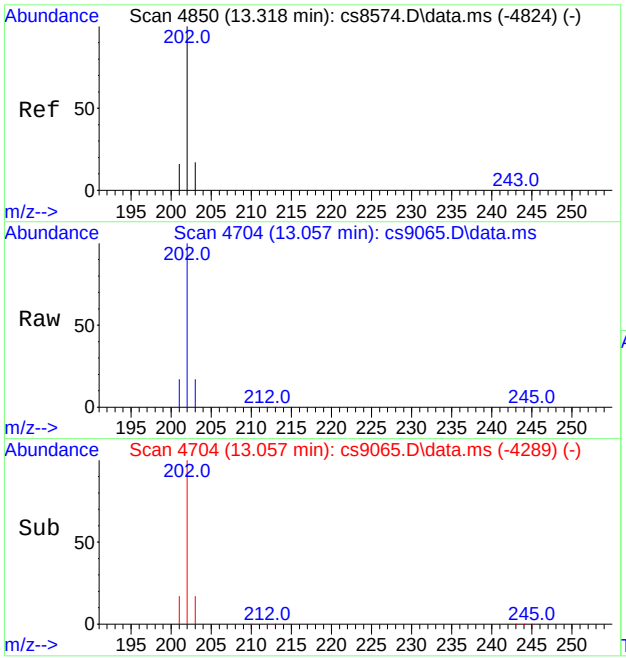


#23
Fluoranthene
Concen: 130.1255 ppb
RT: 12.752 min Scan# 4450
Delta R.T. -0.002 min
Lab File: cs9065.D
Acq: 16 Oct 2025 04:33 pm

Tgt Ion:202 Resp: 27541

Ion	Ratio	Lower	Upper
202	100		
203	17.0	0.0	47.2
201	14.6	0.0	44.0

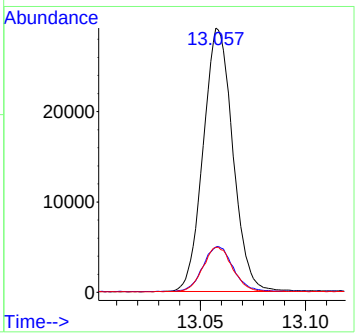


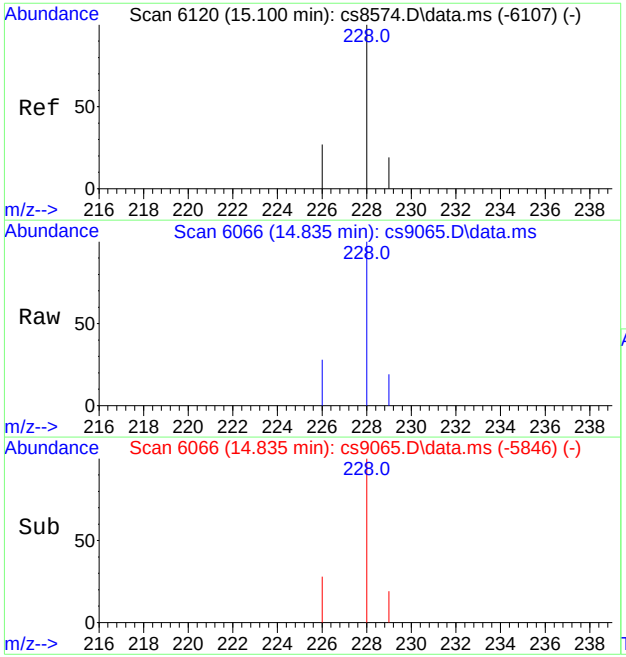


#24
Pyrene
Concen: 133.2692 ppb
RT: 13.057 min Scan# 4704
Delta R.T. -0.002 min
Lab File: cs9065.D
Acq: 16 Oct 2025 04:33 pm

Tgt Ion:202 Resp: 28657

Ion	Ratio	Lower	Upper
202	100		
203	16.8	0.0	47.1
201	16.7	0.0	46.4

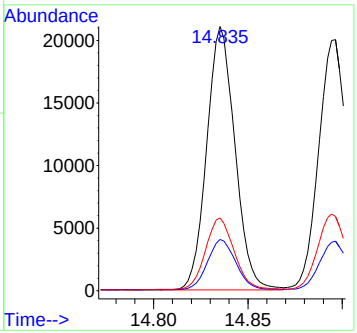


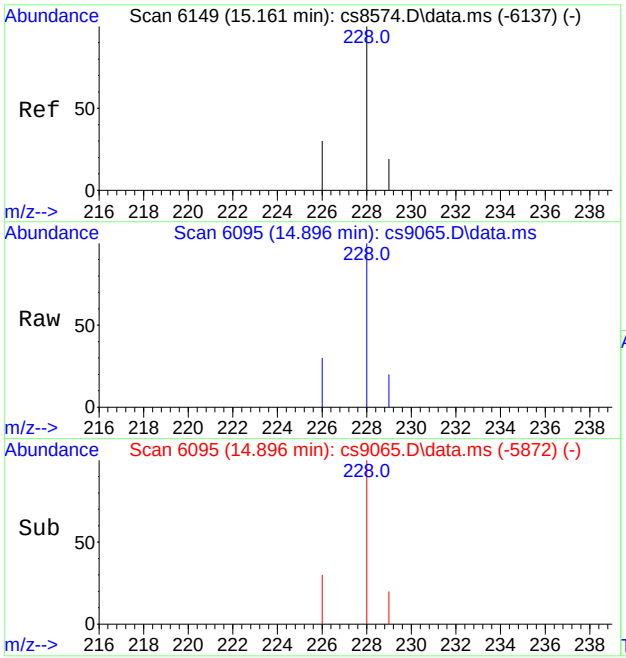


#26
Benzo[a]anthracene
Concen: 141.1839 ppb
RT: 14.835 min Scan# 6066
Delta R.T. -0.002 min
Lab File: cs9065.D
Acq: 16 Oct 2025 04:33 pm

Tgt Ion:228 Resp: 21921

Ion	Ratio	Lower	Upper
228	100		
229	19.1	0.0	49.1
226	27.2	0.0	57.0

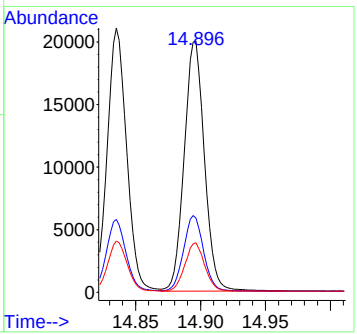


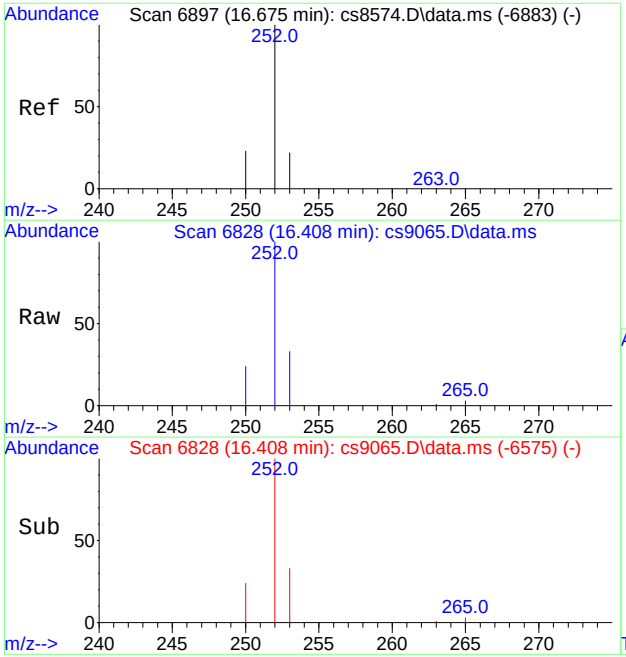


#27
Chrysene
Concen: 140.2035 ppb
RT: 14.896 min Scan# 6095
Delta R.T. 0.000 min
Lab File: cs9065.D
Acq: 16 Oct 2025 04:33 pm

Tgt Ion:228 Resp: 21608

Ion	Ratio	Lower	Upper
228	100		
226	29.3	0.2	60.2
229	19.4	0.0	49.5

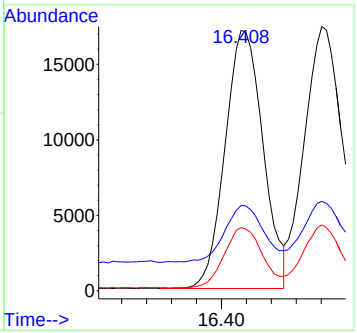


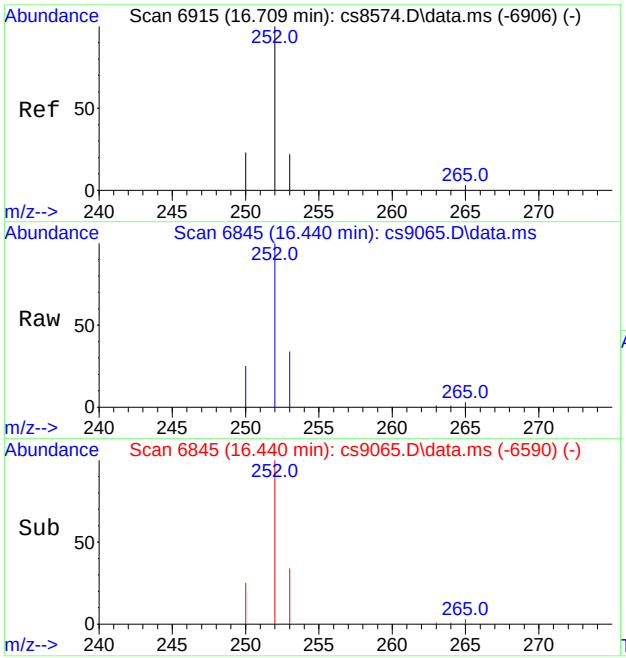


#29
Benzo[b]fluoranthene
Concen: 131.8671 ppb
RT: 16.408 min Scan# 6828
Delta R.T. -0.002 min
Lab File: cs9065.D
Acq: 16 Oct 2025 04:33 pm

Tgt Ion:252 Resp: 18115

Ion	Ratio	Lower	Upper
252	100		
253	21.6	0.0	51.5
250	23.0	0.0	53.4

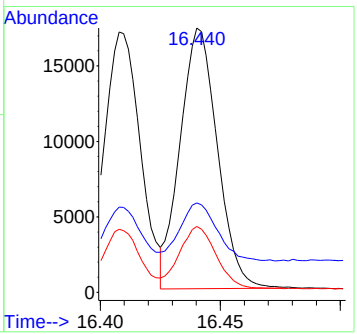


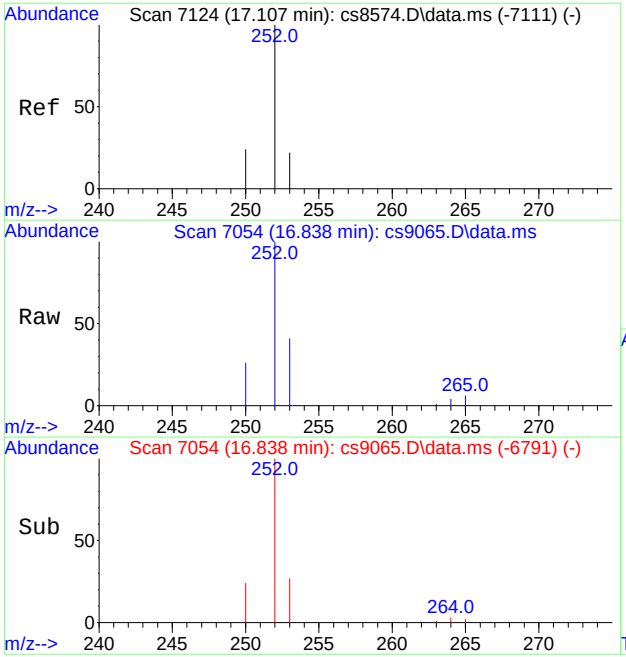


#30
Benzo[k]fluoranthene
Concen: 145.8286 ppb
RT: 16.440 min Scan# 6845
Delta R.T. -0.002 min
Lab File: cs9065.D
Acq: 16 Oct 2025 04:33 pm

Tgt Ion:252 Resp: 18681

Ion	Ratio	Lower	Upper
252	100		
253	22.2	0.0	51.3
250	23.7	0.0	53.2

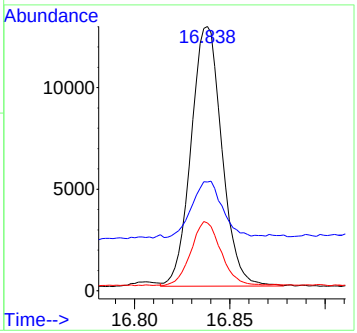


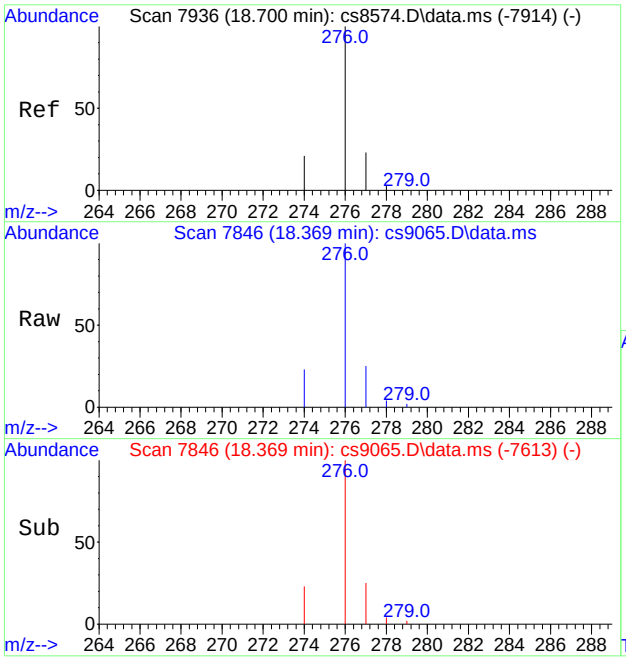


#31
Benzo[a]pyrene
Concen: 112.9213 ppb
RT: 16.838 min Scan# 7054
Delta R.T. 0.000 min
Lab File: cs9065.D
Acq: 16 Oct 2025 04:33 pm

Tgt Ion:252 Resp: 14384

Ion	Ratio	Lower	Upper
252	100		
253	20.5	0.0	51.3
250	24.0	0.0	53.7

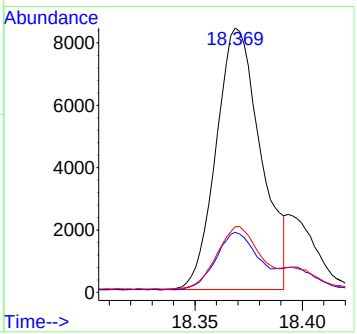


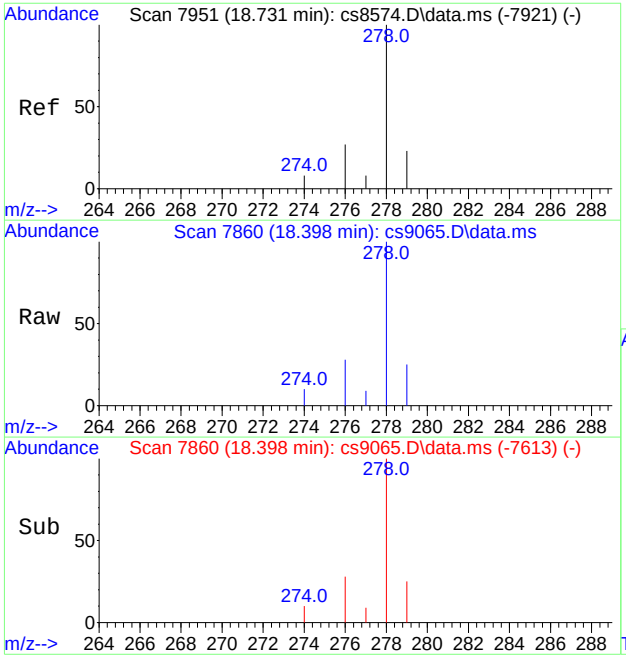


#32
Indeno[1,2,3-cd]pyrene
Concen: 120.9983 ppb
RT: 18.369 min Scan# 7846
Delta R.T. -0.002 min
Lab File: cs9065.D
Acq: 16 Oct 2025 04:33 pm

Tgt Ion:276 Resp: 12157

Ion	Ratio	Lower	Upper
276	100		
274	20.7	0.0	51.6
277	23.1	0.0	53.8

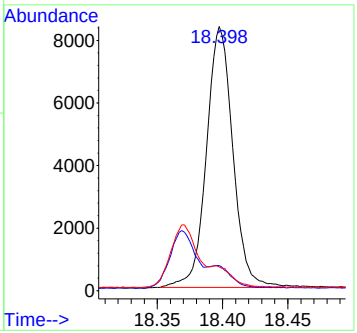


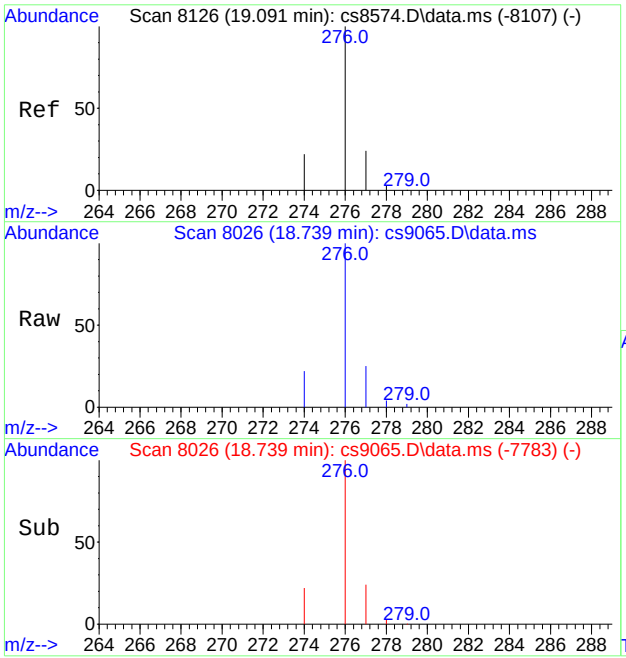


#33
Dibenz[a,h]anthracene
Concen: 124.3217 ppb
RT: 18.398 min Scan# 7860
Delta R.T. 0.000 min
Lab File: cs9065.D
Acq: 16 Oct 2025 04:33 pm

Tgt Ion:278 Resp: 11710

Ion	Ratio	Lower	Upper
278	100		
274	7.0	0.0	38.4
277	6.2	0.0	37.8

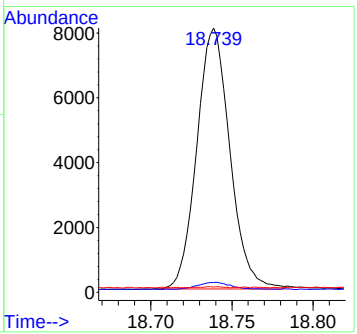




#34
Benzo[g,h,i]perylene
Concen: 114.0243 ppb
RT: 18.739 min Scan# 8026
Delta R.T. 0.000 min
Lab File: cs9065.D
Acq: 16 Oct 2025 04:33 pm

Tgt Ion:276 Resp: 11421

Ion	Ratio	Lower	Upper
276	100		
278	2.6	0.0	33.3
279	0.1	0.0	31.1



Manual Integrations APPROVED (compounds with "m" flag)
Ying Li
10/27/25 17:42

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\nerirose\EZ8689\
Data File : Z176457.d
Acq On : 18 Oct 2025 10:43 pm
Operator : rocquans
Sample : op68138a-msa Inst : GCMSZ
Misc : op68138a,ez8689,250,,,1,1
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Oct 20 15:53:27 2025
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 15:26:21 2025
Response via : Initial Calibration

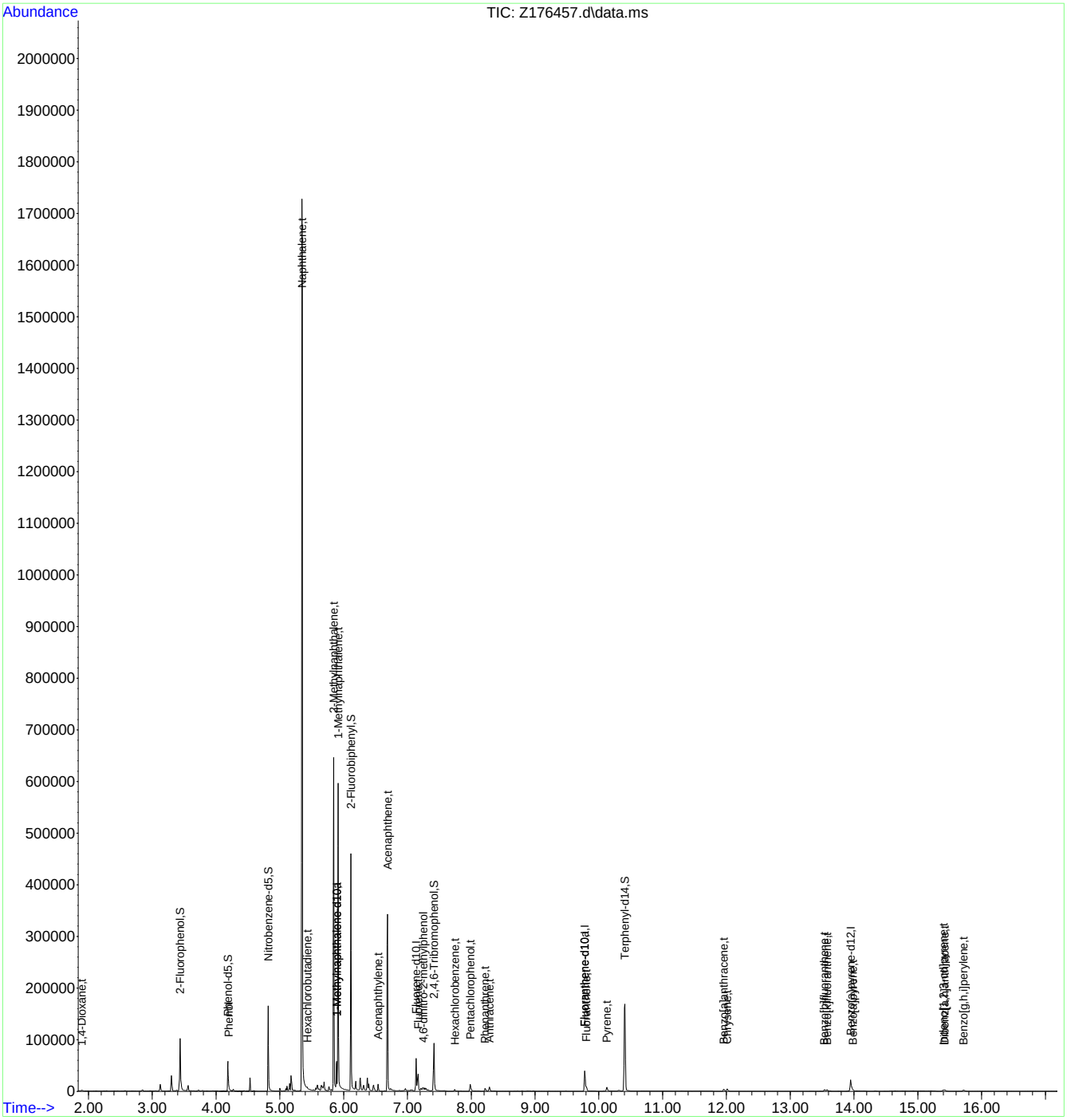
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	5.891	150	16650	800.00	ppb	0.00
12) Fluorene-d10	7.135	176	23317	800.00	ppb	0.00
19) Fluoranthene-d10	9.778	212	35019	800.00	ppb	0.00
28) Benzo(a)pyrene-d12	13.947	264	23767	800.00	ppb	0.00
35) 1-Methylnaphthalene-d10a	5.891	150	16650	800.00	ppb	0.00
37) Fluoranthene-d10a	9.778	212	35019	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	3.437	112	54129	4806.24	ppb	0.00
Spiked Amount 10000.000			Recovery =	48.06%		
4) Phenol-d5	4.185	99	44071	3410.47	ppb	0.00
Spiked Amount 10000.000			Recovery =	34.10%		
6) Nitrobenzene-d5	4.816	82	82647	5938.86	ppb	0.00
Spiked Amount 10000.000			Recovery =	59.39%		
13) 2-Fluorobiphenyl	6.112	172	189219	5788.82	ppb	0.00
Spiked Amount 10000.000			Recovery =	57.89%		
18) 2,4,6-Tribromophenol	7.418	330	37316	6864.56	ppb	0.00
Spiked Amount 10000.000			Recovery =	68.65%		
25) Terphenyl-d14	10.410	244	158668	5447.77	ppb	0.00
Spiked Amount 10000.000			Recovery =	54.48%		
Target Compounds						Qvalue
2) 1,4-Dioxane	1.895	88	597m	93.1819	ppb	
5) Phenol	4.195	94	5051	371.9384	ppb #	69
7) Naphthalene	5.346	128	1102798	24056.7916	ppb	93
8) Hexachlorobutadiene	5.430	225	777	64.9168	ppb	97
9) 2-Methylnaphthalene	5.844	141	162125	6122.1296	ppb	86
10) 1-Methylnaphthalene	5.915	141	167018	5955.5464	ppb	86
14) Acenaphthylene	6.541	152	7904	172.4921	ppb	92
15) Acenaphthene	6.687	153	104836	3174.0573	ppb	86
16) Fluorene	7.166	166	17029	481.3908	ppb	95
17) 4,6-dinitro-2-methylph...	7.250	198	4576	1197.0522	ppb	88
20) Hexachlorobenzene	7.741	284	1214	97.3994	ppb	97
21) Phenanthrene	8.217	178	4446	103.1829	ppb	98
22) Anthracene	8.285	178	6993	127.6371	ppb	99
23) Fluoranthene	9.803	202	6945	127.6156	ppb	99
24) Pyrene	10.123	202	7157	127.4627	ppb	96
26) Benzo[a]anthracene	11.957	228	4085	110.5825	ppb	94
27) Chrysene	12.009	228	4746m	82.7574	ppb	
29) Benzo[b]fluoranthene	13.533	252	3226	81.7165	ppb	88
30) Benzo[k]fluoranthene	13.579	252	3436	71.8011	ppb	97
31) Benzo[a]pyrene	13.982	252	2968	70.1042	ppb	98
32) Indeno[1,2,3-cd]pyrene	15.399	276	3451	68.2603	ppb	100
33) Dibenz[a,h]anthracene	15.418	278	3235	79.9522	ppb	92
34) Benzo[g,h,i]perylene	15.716	276	2858	67.6373	ppb	100
38) Pentachlorophenol	7.984	266	7196	1416.1355	ppb	98

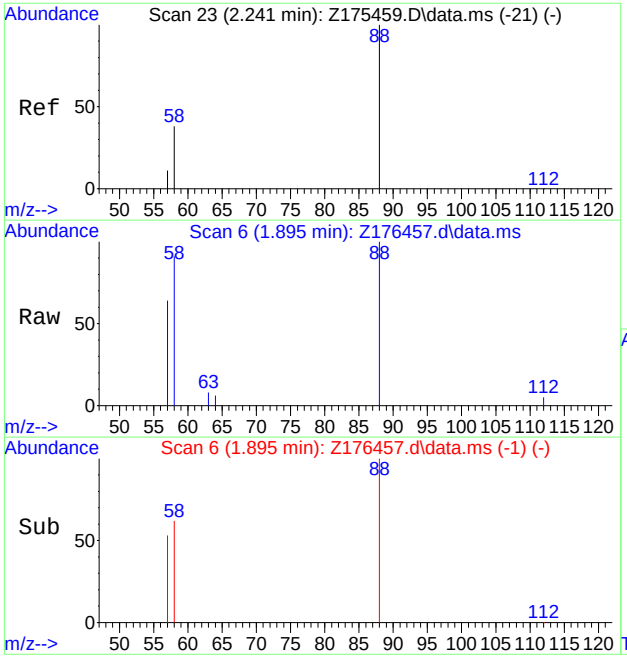
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\nerirose\EZ8689\
Data File : Z176457.d
Acq On : 18 Oct 2025 10:43 pm
Operator : rocquans
Sample : op68138a-msa Inst : GCMSZ
Misc : op68138a,ez8689,250,,,1,1
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Oct 20 15:53:27 2025
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 15:26:21 2025
Response via : Initial Calibration

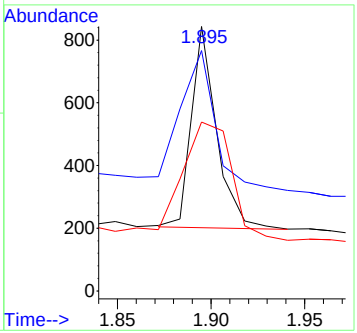


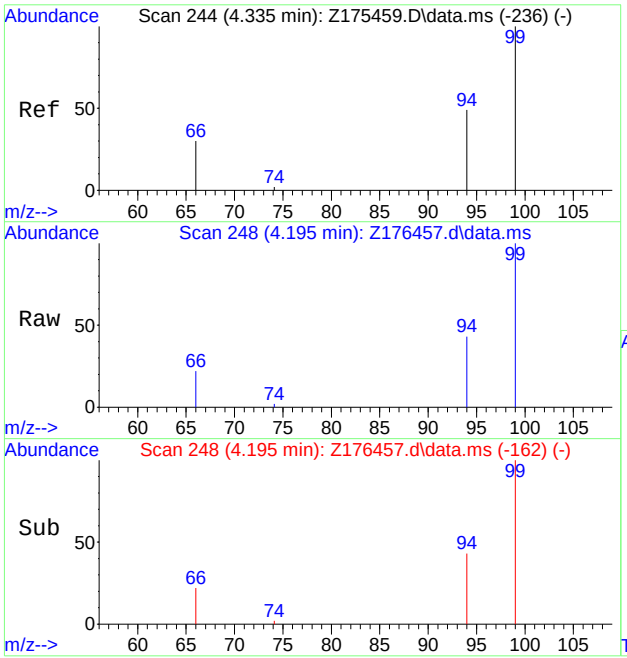


#2
1,4-Dioxane
Concen: 93.1819 ppb m
RT: 1.895 min Scan# 6
Delta R.T. -0.000 min
Lab File: Z176457.d
Acq: 18 Oct 2025 10:43 pm

Tgt Ion: 88 Resp: 597

Ion	Ratio	Lower	Upper
88	100		
58	90.9	42.3	82.3#
57	63.9	36.1	76.1

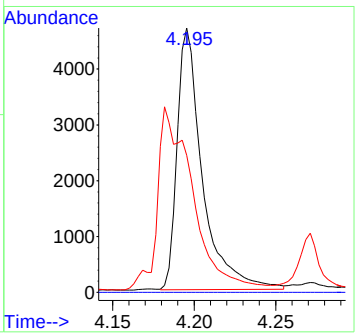


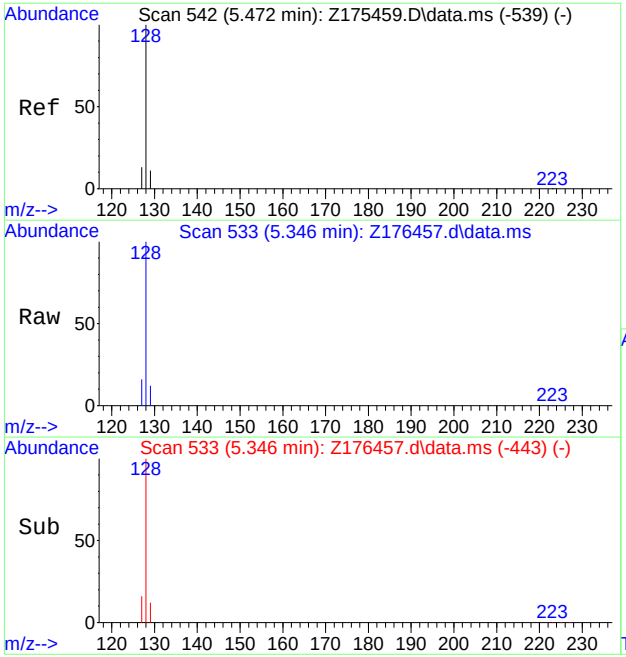


#5
Phenol
Concen: 371.9384 ppb
RT: 4.195 min Scan# 248
Delta R.T. 0.003 min
Lab File: Z176457.d
Acq: 18 Oct 2025 10:43 pm

Tgt Ion: 94 Resp: 5051

Ion	Ratio	Lower	Upper
94	100		
65	0.0	0.0	0.0
66	23.0	34.2	51.2#

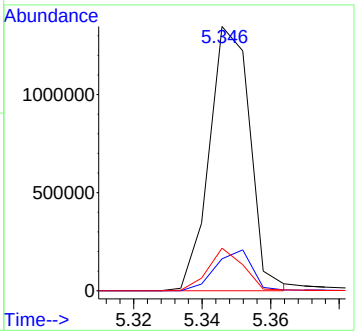


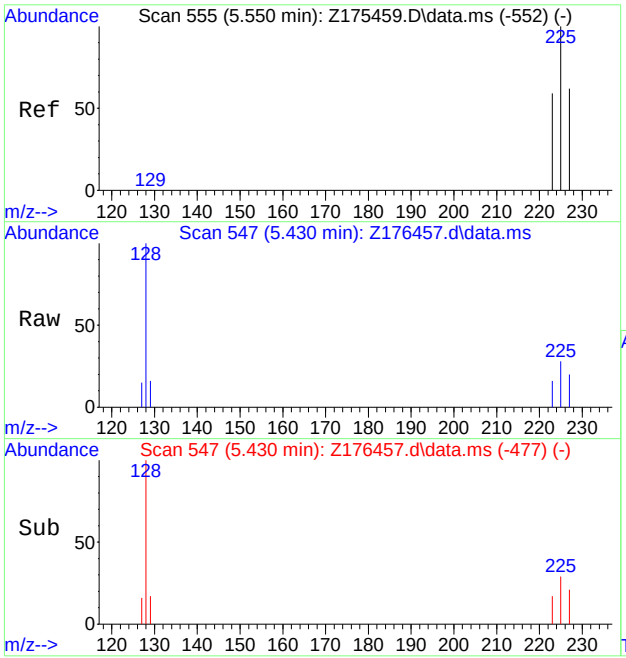


#7
Naphthalene
Concen: 24056.7916 ppb
RT: 5.346 min Scan# 533
Delta R.T. -0.000 min
Lab File: Z176457.d
Acq: 18 Oct 2025 10:43 pm

Tgt Ion:128 Resp: 1102798

Ion	Ratio	Lower	Upper
128	100		
129	12.0	0.0	39.9
127	16.2	0.0	43.2

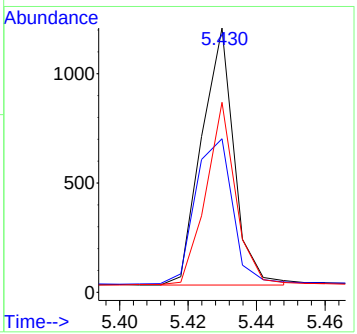


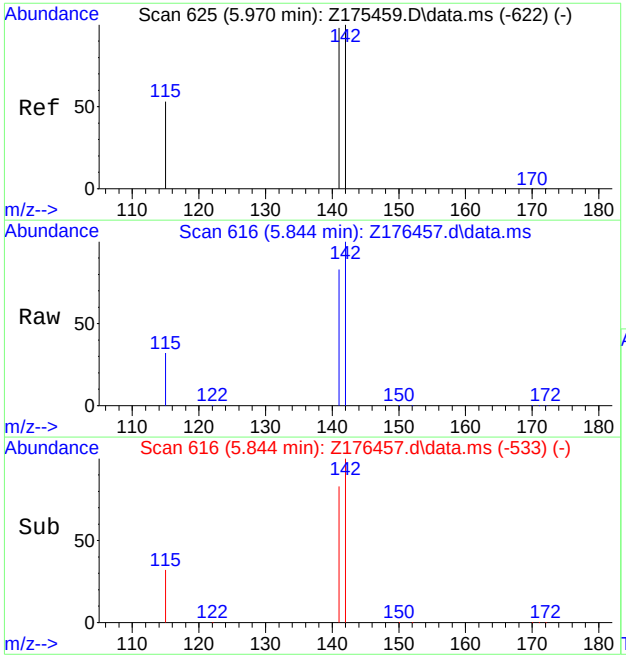


#8
Hexachlorobutadiene
Concen: 64.9168 ppb
RT: 5.430 min Scan# 547
Delta R.T. -0.000 min
Lab File: Z176457.d
Acq: 18 Oct 2025 10:43 pm

Tgt Ion:225 Resp: 777

Ion	Ratio	Lower	Upper
225	100		
223	56.5	25.2	85.2
227	71.1	38.5	98.5

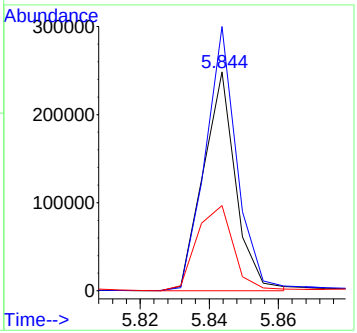


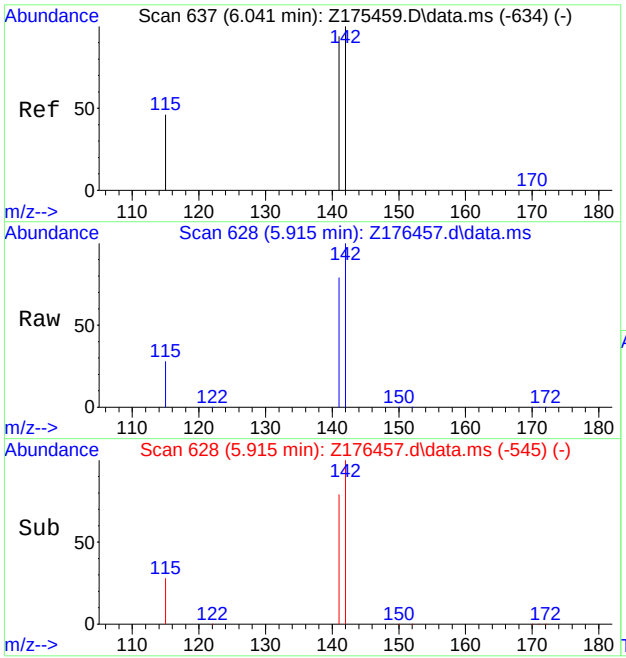


#9
2-Methylnaphthalene
Concen: 6122.1296 ppb
RT: 5.844 min Scan# 616
Delta R.T. -0.000 min
Lab File: Z176457.d
Acq: 18 Oct 2025 10:43 pm

Tgt Ion:141 Resp: 162125

Ion	Ratio	Lower	Upper
141	100		
142	120.8	74.7	134.7
115	38.8	14.4	74.4

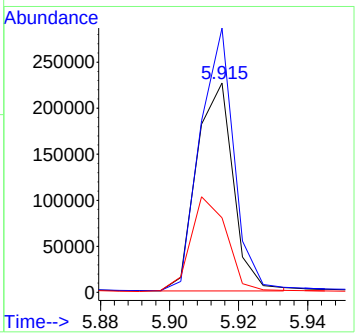


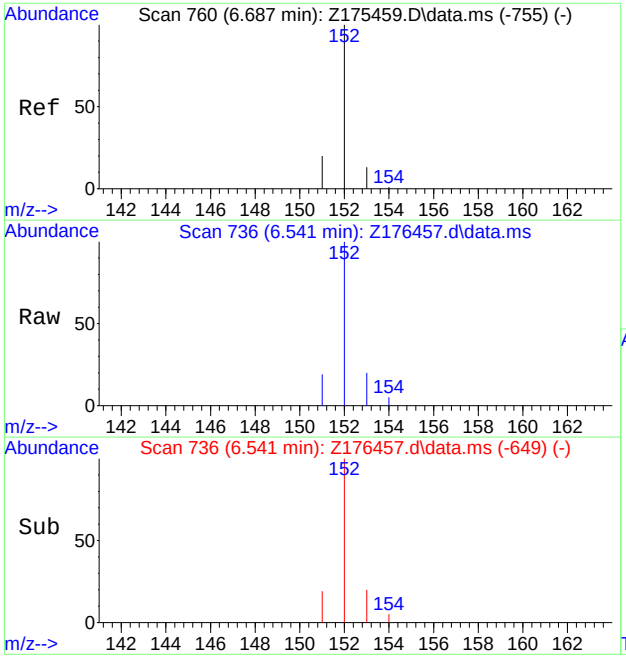


#10
1-Methylnaphthalene
Concen: 5955.5464 ppb
RT: 5.915 min Scan# 628
Delta R.T. -0.000 min
Lab File: Z176457.d
Acq: 18 Oct 2025 10:43 pm

Tgt Ion:141 Resp: 167018

Ion	Ratio	Lower	Upper
141	100		
142	126.6	78.9	138.9
115	35.3	7.8	67.8

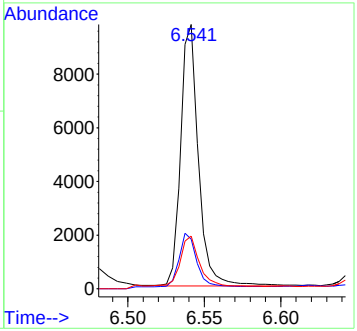


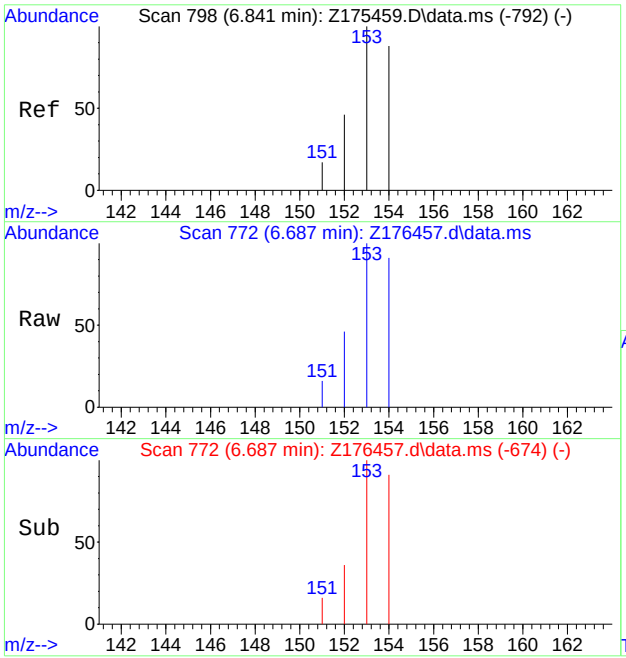


#14
Acenaphthylene
Concen: 172.4921 ppb
RT: 6.541 min Scan# 736
Delta R.T. -0.000 min
Lab File: Z176457.d
Acq: 18 Oct 2025 10:43 pm

Tgt Ion:152 Resp: 7904

Ion	Ratio	Lower	Upper
152	100		
151	18.1	0.0	49.5
153	19.0	0.0	42.6

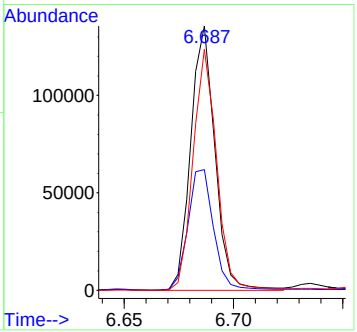


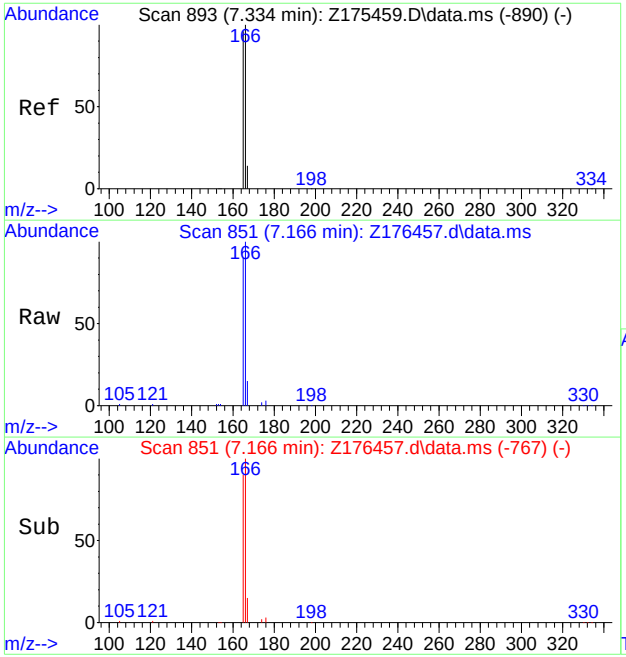


#15
Acenaphthene
Concen: 3174.0573 ppb
RT: 6.687 min Scan# 772
Delta R.T. -0.000 min
Lab File: Z176457.d
Acq: 18 Oct 2025 10:43 pm

Tgt Ion:153 Resp: 104836

Ion	Ratio	Lower	Upper
153	100		
152	45.6	20.2	80.2
154	91.2	45.1	105.1

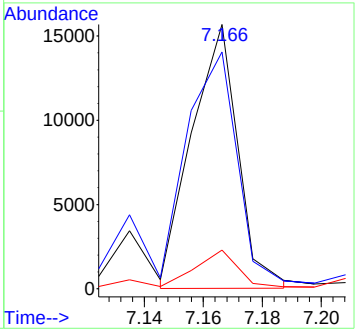


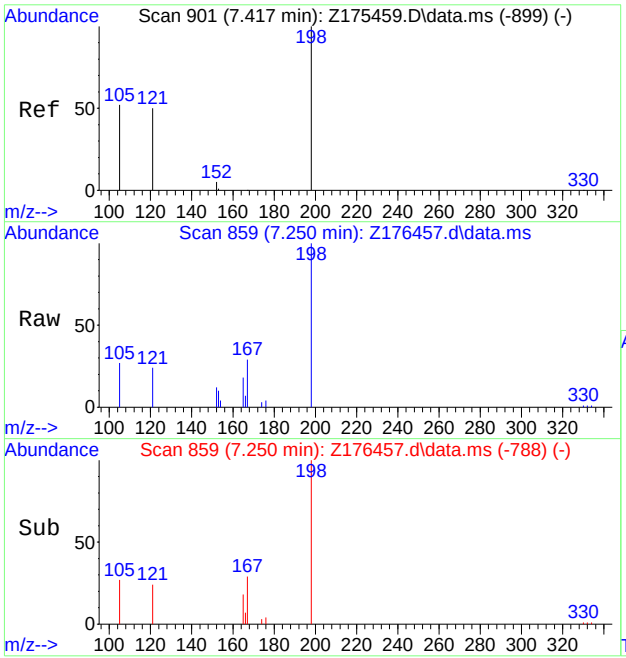


#16
Fluorene
Concen: 481.3908 ppb
RT: 7.166 min Scan# 851
Delta R.T. -0.000 min
Lab File: Z176457.d
Acq: 18 Oct 2025 10:43 pm

Tgt Ion:166 Resp: 17029

Ion	Ratio	Lower	Upper
166	100		
165	88.9	63.9	123.9
167	14.3	0.0	43.4

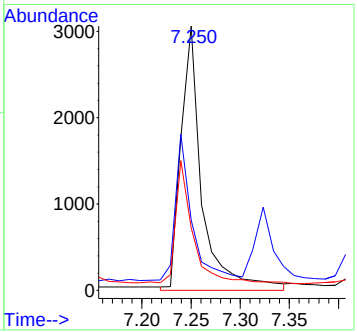


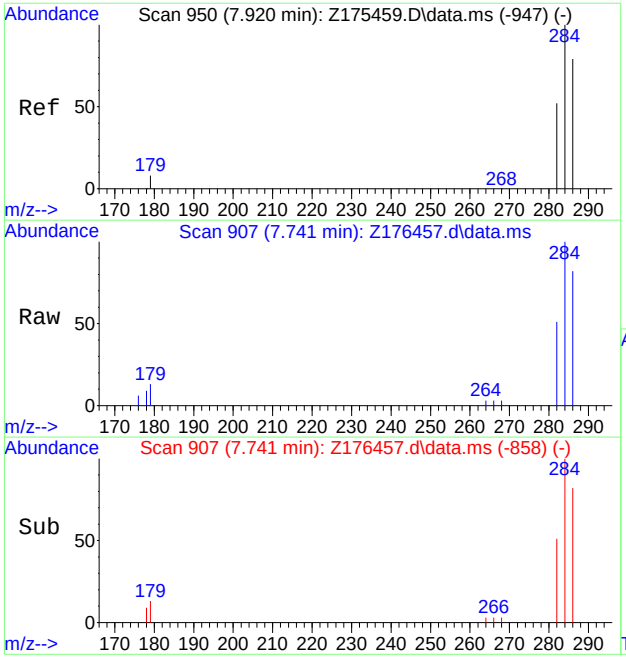


#17
4,6-dinitro-2-methylphenol
Concen: 1197.0522 ppb
RT: 7.250 min Scan# 859
Delta R.T. -0.000 min
Lab File: Z176457.d
Acq: 18 Oct 2025 10:43 pm

Tgt Ion:198 Resp: 4576

Ion	Ratio	Lower	Upper
198	100		
105	20.5	8.3	48.3
121	21.0	5.1	45.1

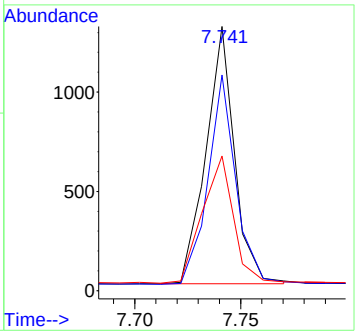


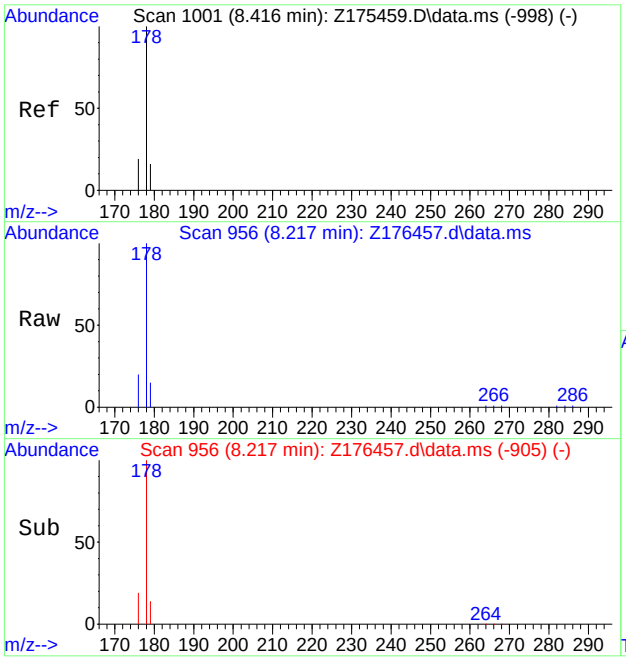


#20
Hexachlorobenzene
Concen: 97.3994 ppb
RT: 7.741 min Scan# 907
Delta R.T. -0.000 min
Lab File: Z176457.d
Acq: 18 Oct 2025 10:43 pm

Tgt Ion:284 Resp: 1214

Ion	Ratio	Lower	Upper
284	100		
286	81.2	48.4	108.4
282	49.3	20.7	80.7

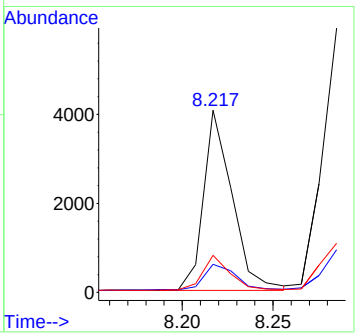


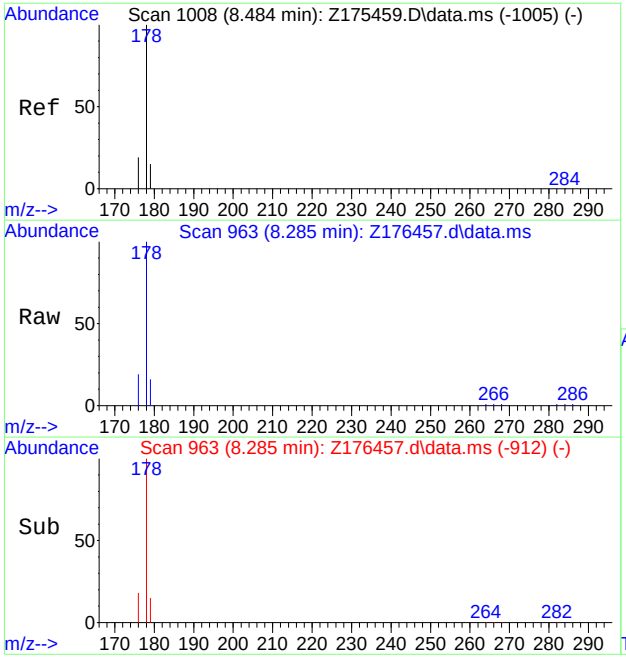


#21
Phenanthrene
Concen: 103.1829 ppb
RT: 8.217 min Scan# 956
Delta R.T. -0.000 min
Lab File: Z176457.d
Acq: 18 Oct 2025 10:43 pm

Tgt Ion:178 Resp: 4446

Ion	Ratio	Lower	Upper
178	100		
179	14.1	0.0	43.8
176	19.4	0.0	50.9

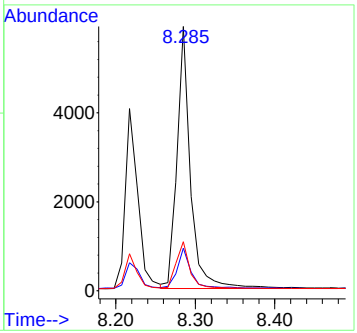


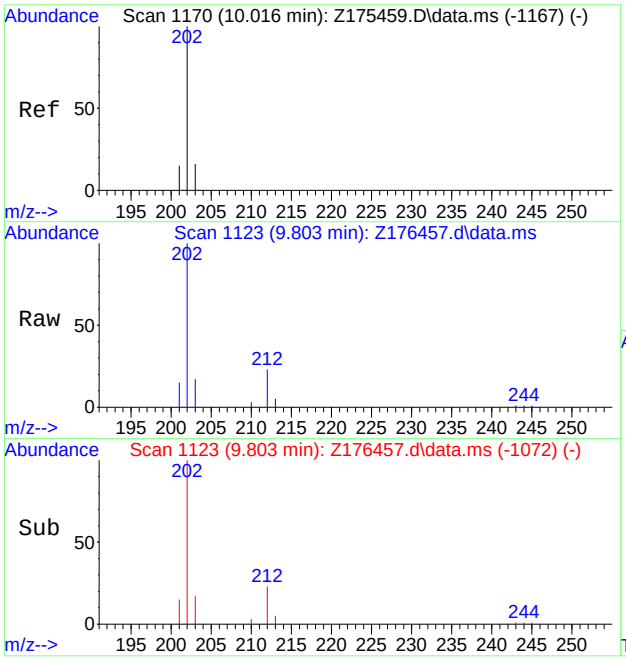


#22
Anthracene
Concen: 127.6371 ppb
RT: 8.285 min Scan# 963
Delta R.T. -0.000 min
Lab File: Z176457.d
Acq: 18 Oct 2025 10:43 pm

Tgt Ion:178 Resp: 6993

Ion	Ratio	Lower	Upper
178	100		
179	15.3	0.0	45.0
176	17.9	0.0	48.3

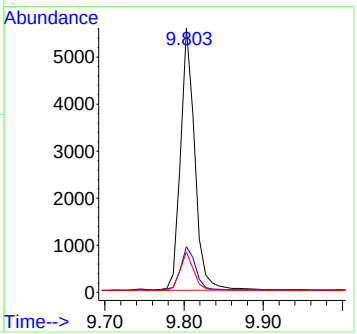


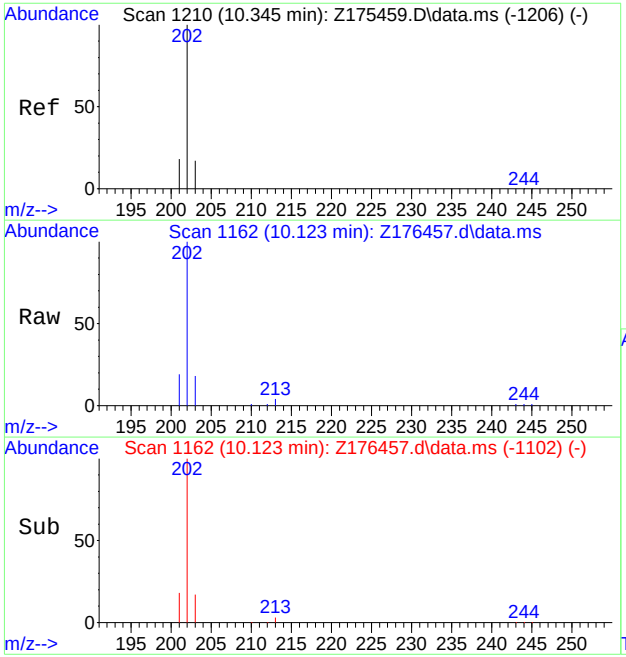


#23
Fluoranthene
Concen: 127.6156 ppb
RT: 9.803 min Scan# 1123
Delta R.T. -0.000 min
Lab File: Z176457.d
Acq: 18 Oct 2025 10:43 pm

Tgt Ion:202 Resp: 6945

Ion	Ratio	Lower	Upper
202	100		
203	16.4	0.0	46.2
201	14.7	0.0	44.2

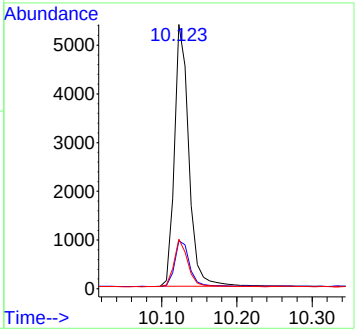


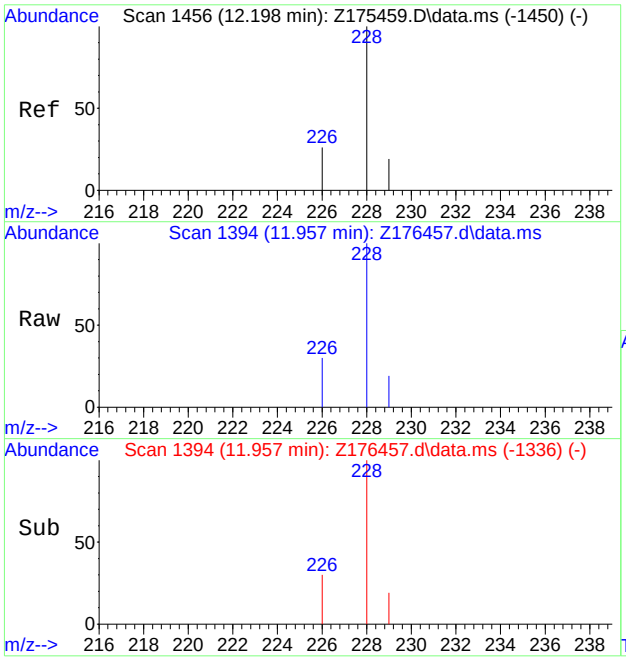


#24
Pyrene
Concen: 127.4627 ppb
RT: 10.123 min Scan# 1162
Delta R.T. -0.008 min
Lab File: Z176457.d
Acq: 18 Oct 2025 10:43 pm

Tgt Ion:202 Resp: 7157

Ion	Ratio	Lower	Upper
202	100		
203	17.3	0.0	48.3
201	18.0	0.0	45.8

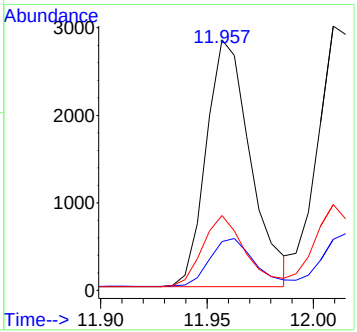


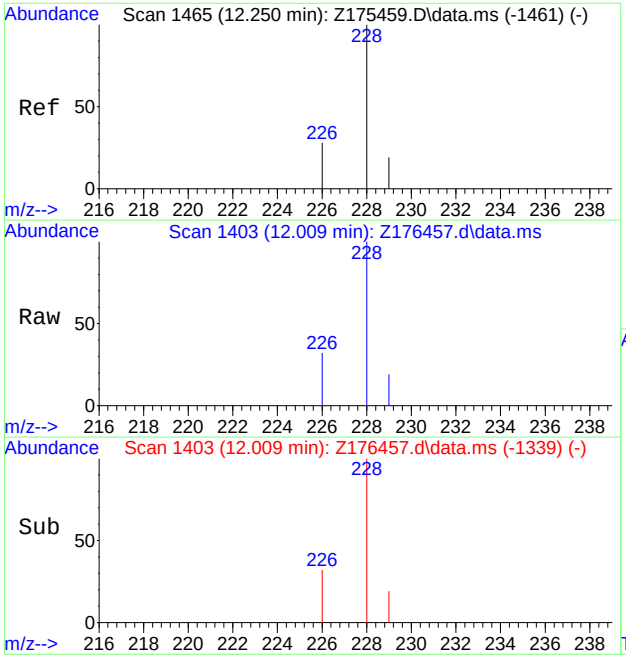


#26
Benzo[a]anthracene
Concen: 110.5825 ppb
RT: 11.957 min Scan# 1394
Delta R.T. -0.006 min
Lab File: Z176457.d
Acq: 18 Oct 2025 10:43 pm

Tgt Ion:228 Resp: 4085

Ion	Ratio	Lower	Upper
228	100		
229	18.0	0.0	50.0
226	29.0	0.0	55.0

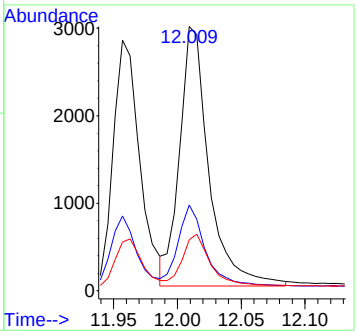


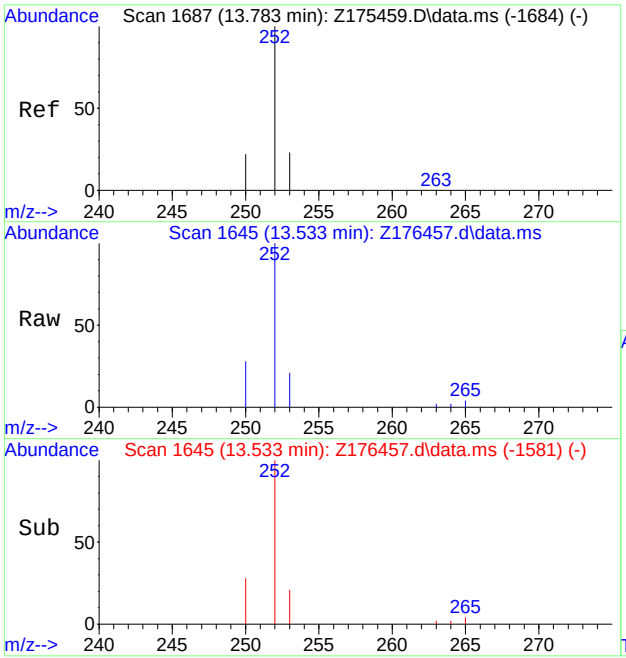


#27
Chrysene
Concen: 82.7574 ppb m
RT: 12.009 min Scan# 1403
Delta R.T. -0.006 min
Lab File: Z176457.d
Acq: 18 Oct 2025 10:43 pm

Tgt Ion:228 Resp: 4746

Ion	Ratio	Lower	Upper
228	100		
226	32.4	0.0	59.0
229	19.3	0.0	50.3

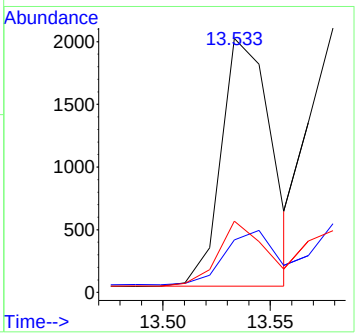


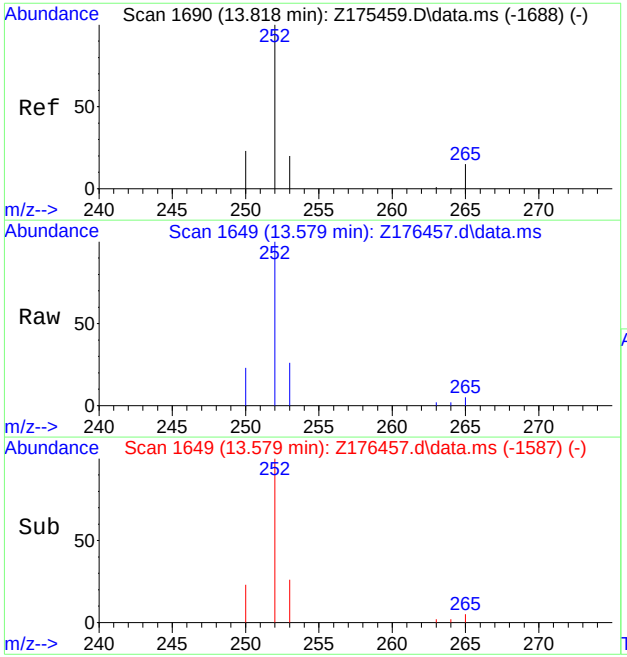


#29
Benzo[b]fluoranthene
Concen: 81.7165 ppb
RT: 13.533 min Scan# 1645
Delta R.T. -0.012 min
Lab File: Z176457.d
Acq: 18 Oct 2025 10:43 pm

Tgt Ion:252 Resp: 3226

Ion	Ratio	Lower	Upper
252	100		
253	16.7	0.0	52.2
250	26.8	0.0	50.8

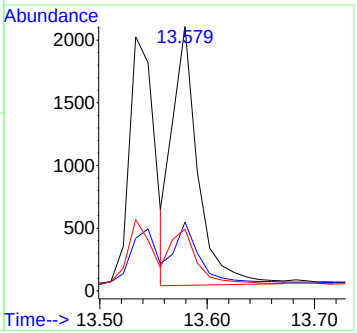


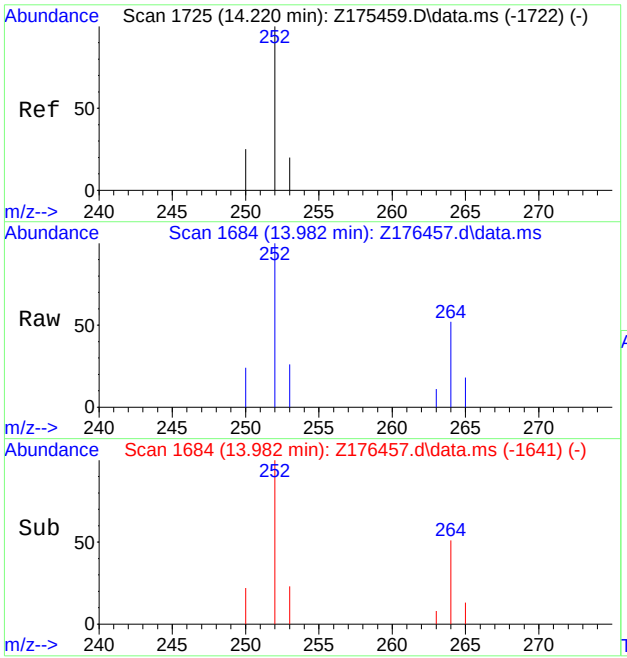


#30
Benzo[k]fluoranthene
Concen: 71.8011 ppb
RT: 13.579 min Scan# 1649
Delta R.T. -0.000 min
Lab File: Z176457.d
Acq: 18 Oct 2025 10:43 pm

Tgt Ion:252 Resp: 3436

Ion	Ratio	Lower	Upper
252	100		
253	23.2	0.0	50.8
250	21.1	0.0	52.0

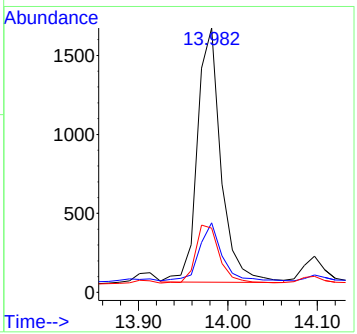


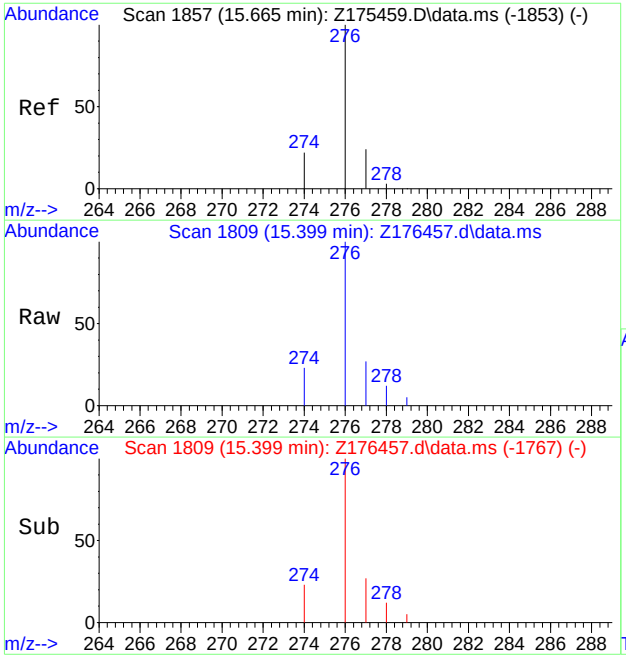


#31
Benzo[a]pyrene
Concen: 70.1042 ppb
RT: 13.982 min Scan# 1684
Delta R.T. -0.000 min
Lab File: Z176457.d
Acq: 18 Oct 2025 10:43 pm

Tgt Ion:252 Resp: 2968

Ion	Ratio	Lower	Upper
252	100		
253	22.9	0.0	52.5
250	21.6	0.0	53.0

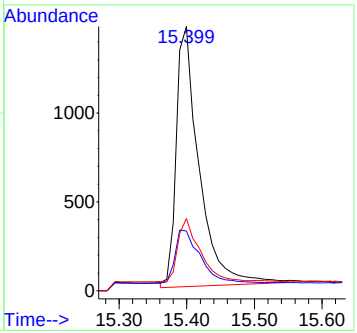


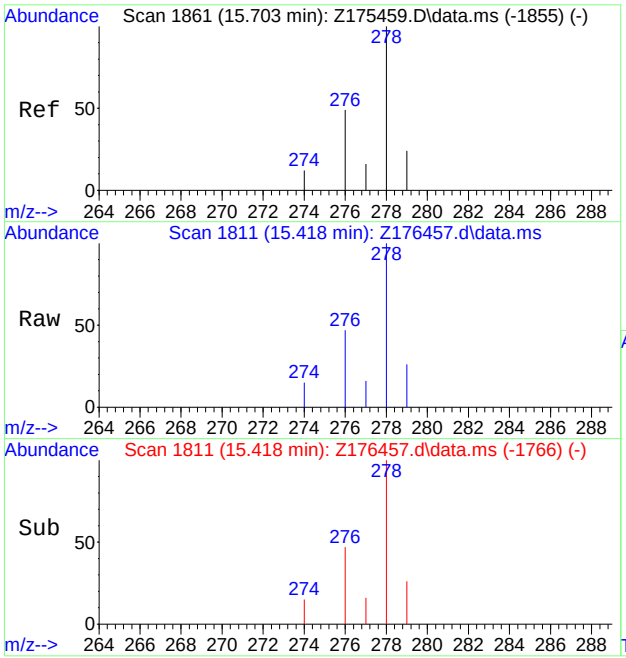


#32
Indeno[1,2,3-cd]pyrene
Concen: 68.2603 ppb
RT: 15.399 min Scan# 1809
Delta R.T. -0.000 min
Lab File: Z176457.d
Acq: 18 Oct 2025 10:43 pm

Tgt Ion:276 Resp: 3451

Ion	Ratio	Lower	Upper
276	100		
274	20.3	0.0	50.1
277	24.7	0.0	54.6

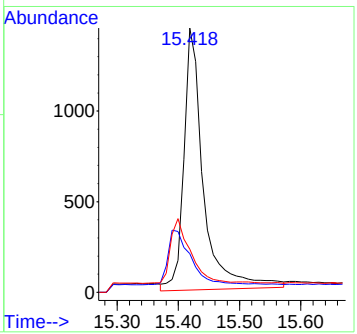


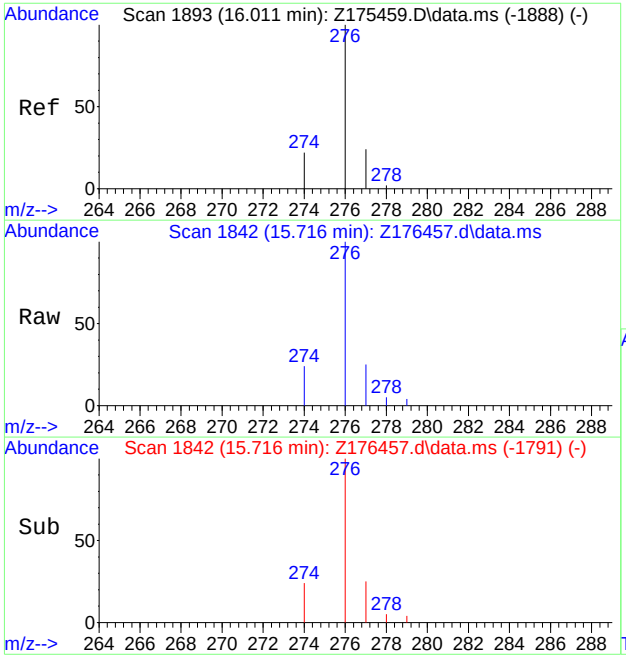


#33
Dibenz[a,h]anthracene
Concen: 79.9522 ppb
RT: 15.418 min Scan# 1811
Delta R.T. -0.000 min
Lab File: Z176457.d
Acq: 18 Oct 2025 10:43 pm

Tgt Ion:278 Resp: 3235

Ion	Ratio	Lower	Upper
278	100		
274	11.8	0.0	44.6
277	13.3	0.0	46.9

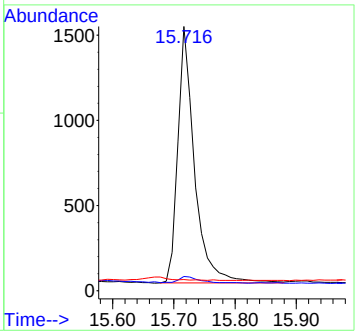


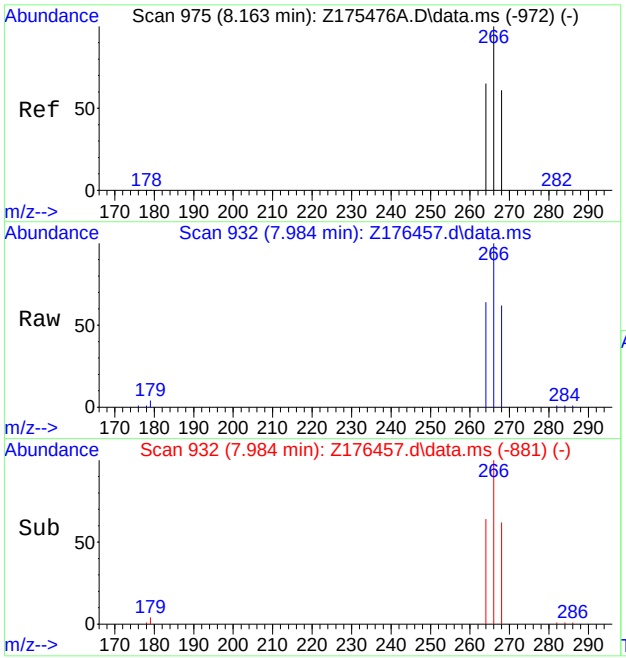


#34
Benzo[g,h,i]perylene
Concen: 67.6373 ppb
RT: 15.716 min Scan# 1842
Delta R.T. -0.000 min
Lab File: Z176457.d
Acq: 18 Oct 2025 10:43 pm

Tgt Ion:276 Resp: 2858

Ion	Ratio	Lower	Upper
276	100		
278	2.5	0.0	32.6
279	0.0	0.0	30.2

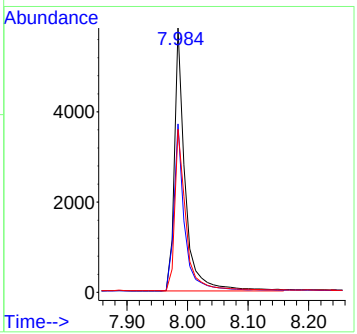




#38
Pentachlorophenol
Concen: 1416.1355 ppb
RT: 7.984 min Scan# 932
Delta R.T. -0.000 min
Lab File: Z176457.d
Acq: 18 Oct 2025 10:43 pm

Tgt Ion:266 Resp: 7196

Ion	Ratio	Lower	Upper
266	100		
264	62.4	40.6	80.6
268	64.0	43.2	83.2



Manual Integration Approval Summary

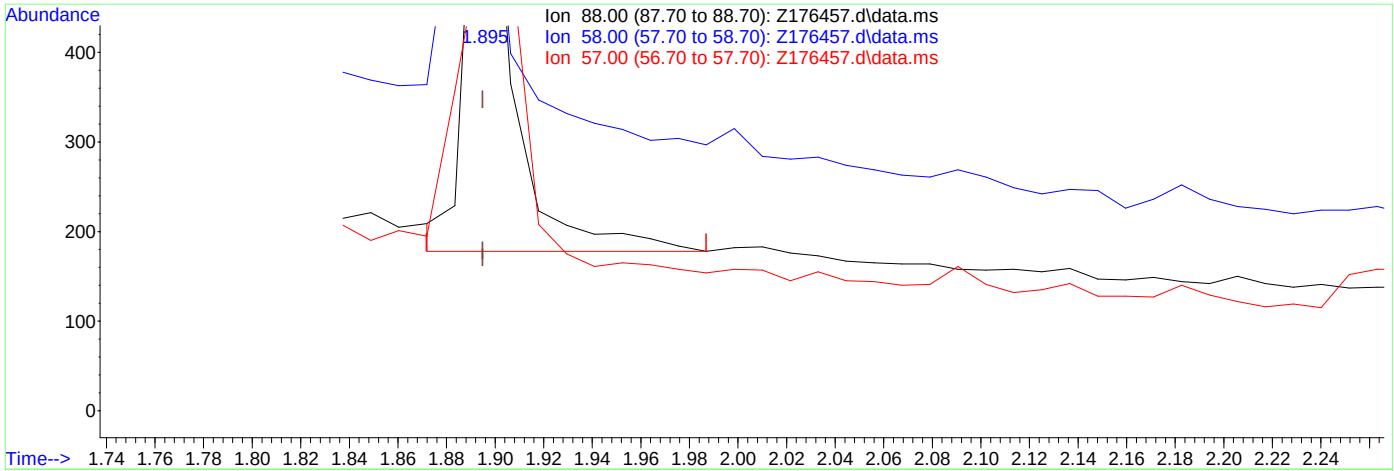
Sample Number:	OP68138A-MSA	**Method:**	SW846 8270E BY SIM
Lab FileID:	Z176457.D	**Analyst approved:**	10/27/25 17:41 Ying Li
Injection Time:	10/18/25 22:43	**Supervisor approved:**	10/27/25 17:42 Ying Li

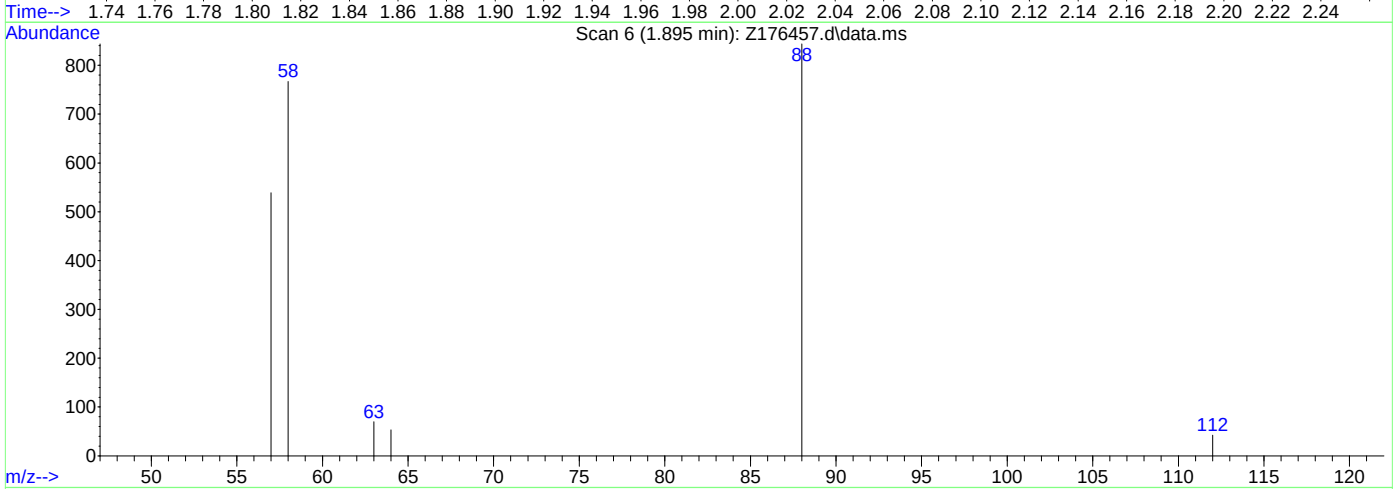
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,4-Dioxane	123-91-1		1.89	Poor instrument integration
Chrysene	218-01-9		12.01	Poor instrument integration

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\nerirose\EZ8689\
Data File : Z176457.d
Acq On : 18 Oct 2025 10:43 pm
Operator : rocquans
Sample : op68138a-msa Inst : GCMSZ
Misc : op68255a,ez8689,250,,,1,1
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Oct 20 15:29:37 2025
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 15:26:21 2025
Response via : Initial Calibration





TIC: Z176457.d\data.ms

(2) 1,4-Dioxane (t)

1.895min (-0.000) 111.76ppb

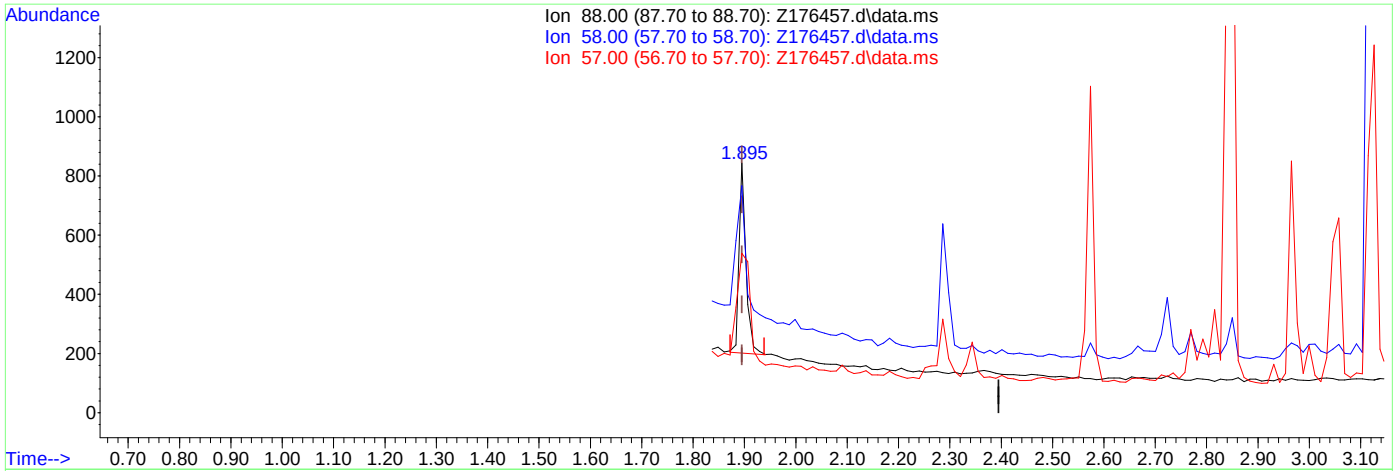
response 716

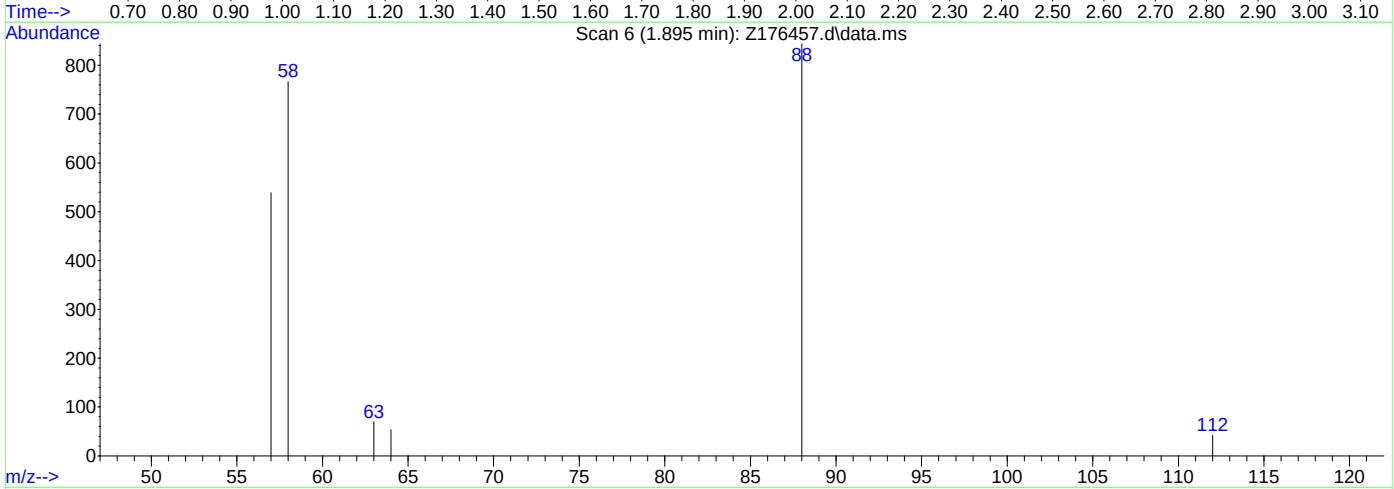
Ion	Exp%	Act%
88.00	100	100
58.00	62.30	67.10
57.00	56.10	56.03
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\nerirose\EZ8689\
Data File : Z176457.d
Acq On : 18 Oct 2025 10:43 pm
Operator : rocquans
Sample : op68138a-msa Inst : GCMSZ
Misc : op68255a,ez8689,250,,,1,1
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Oct 20 15:29:37 2025
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 15:26:21 2025
Response via : Initial Calibration





TIC: Z176457.d\data.ms

(2) 1,4-Dioxane (t)

1.895min (-0.000) 93.18ppb m

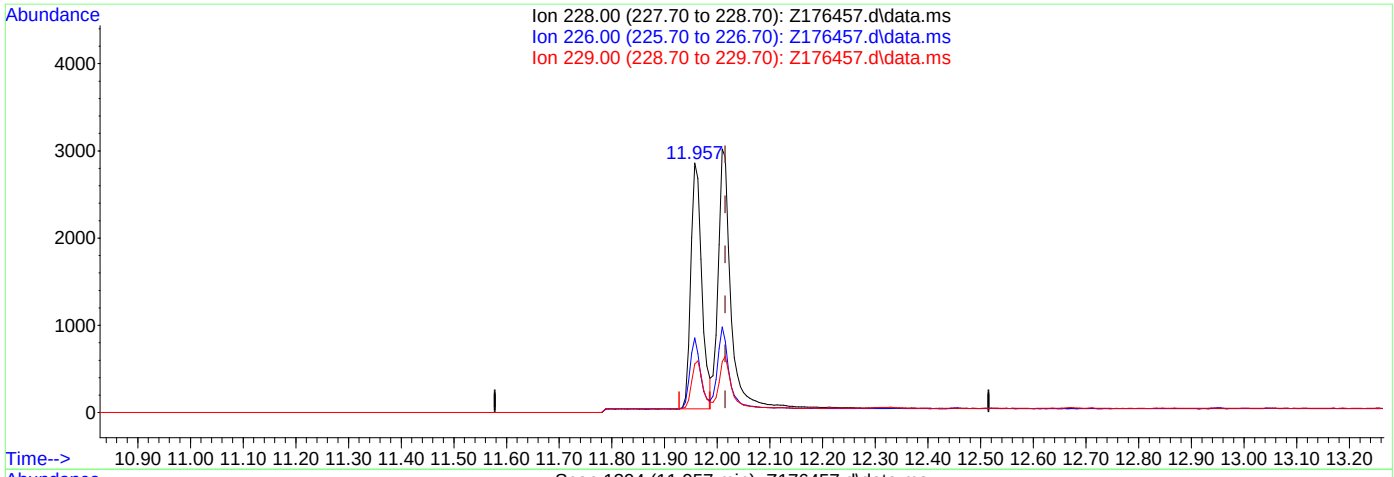
response 597

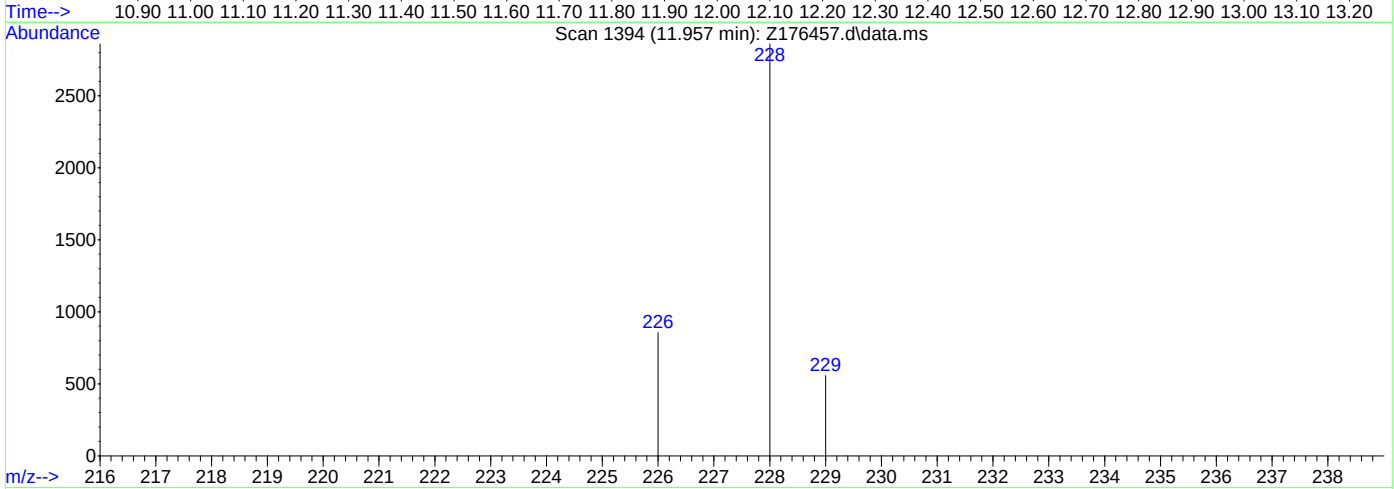
Ion	Exp%	Act%
88.00	100	100
58.00	62.30	90.88#
57.00	56.10	63.86
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\nerirose\EZ8689\
Data File : Z176457.d
Acq On : 18 Oct 2025 10:43 pm
Operator : rocquans
Sample : op68138a-msa Inst : GCMSZ
Misc : op68255a,ez8689,250,,,1,1
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Oct 20 15:29:37 2025
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 15:26:21 2025
Response via : Initial Calibration





TIC: Z176457.d\data.ms

(27) Chrysene (t)

11.957min (-0.058) 71.23ppb

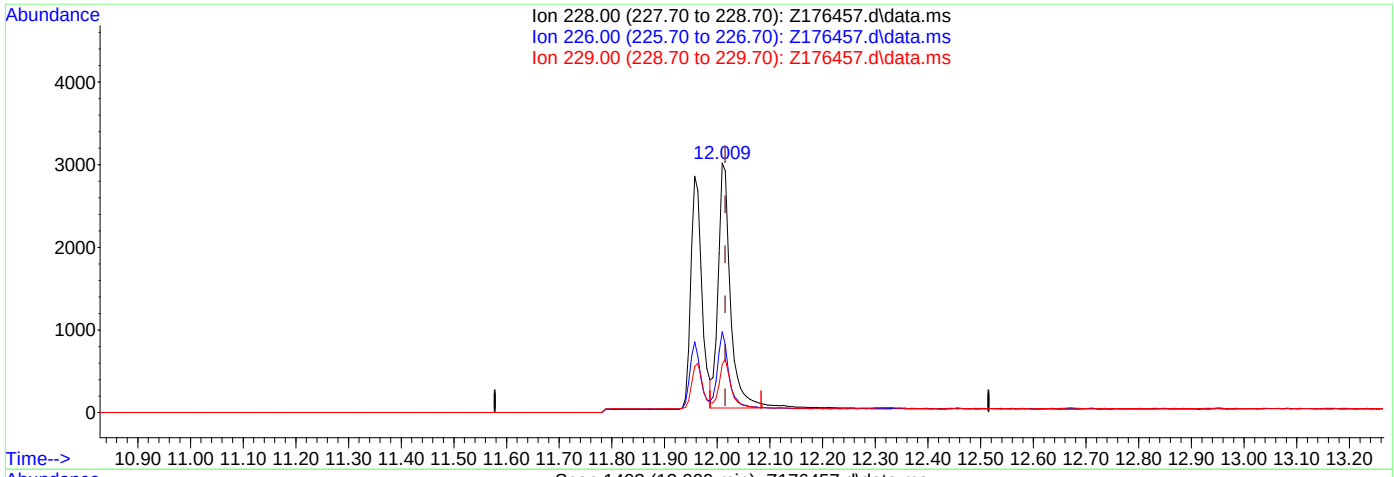
response 4085

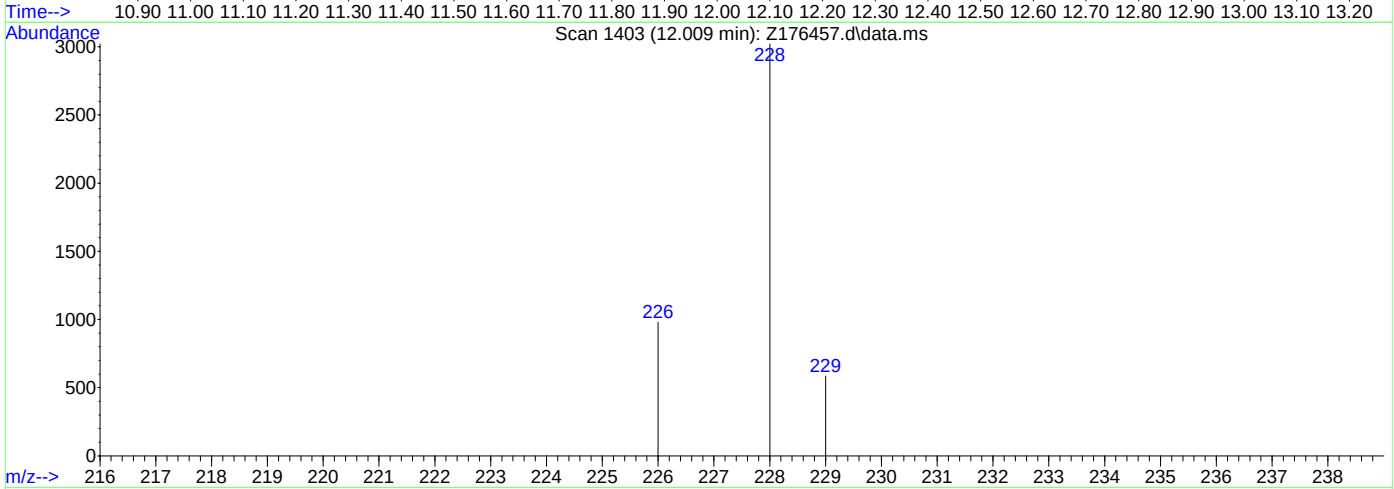
Ion	Exp%	Act%
228.00	100	100
226.00	29.00	28.95
229.00	20.30	17.98
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\nerirose\EZ8689\
Data File : Z176457.d
Acq On : 18 Oct 2025 10:43 pm
Operator : rocquans
Sample : op68138a-msa Inst : GCMSZ
Misc : op68255a,ez8689,250,,,1,1
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Oct 20 15:29:37 2025
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 15:26:21 2025
Response via : Initial Calibration





TIC: Z176457.d\data.ms

(27) Chrysene (t)

12.009min (-0.006) 82.76ppb m

response 4746

Ion	Exp%	Act%
228.00	100	100
226.00	29.00	32.43
229.00	20.30	19.32
0.00	0.00	0.00

9.4.15

9

Manual Integrations APPROVED (compounds with "m" flag)
Ying Li
10/27/25 17:42

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\nerirose\EZ8689\
Data File : Z176458.d
Acq On : 18 Oct 2025 11:08 pm
Operator : rocquans
Sample : op68138a-msda Inst : GCMSZ
Misc : op68138a,ez8689,250,,,1,1
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Oct 20 15:54:12 2025
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 15:26:21 2025
Response via : Initial Calibration

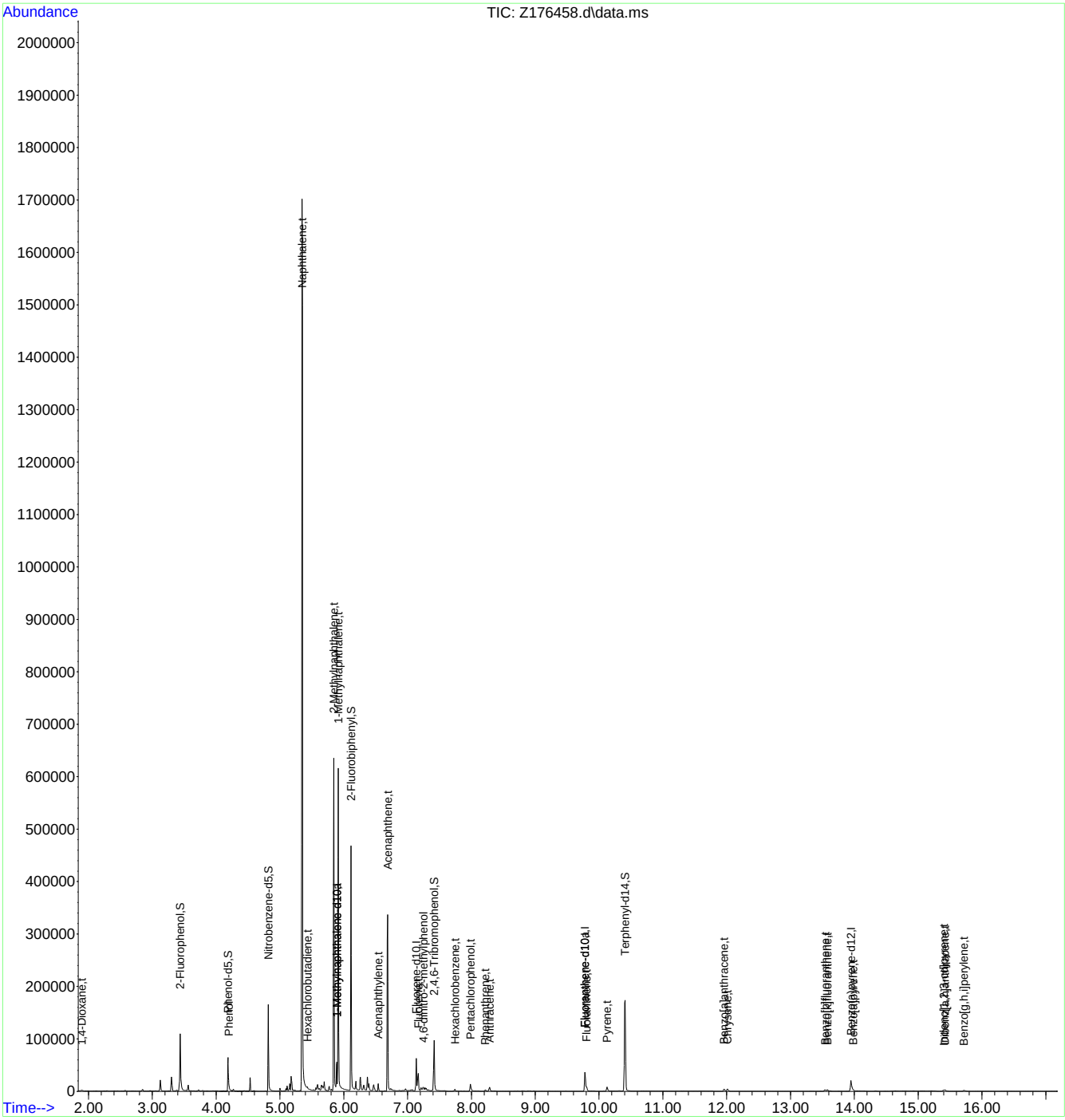
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	5.891	150	15882	800.00	ppb	0.00
12) Fluorene-d10	7.135	176	22093	800.00	ppb	0.00
19) Fluoranthene-d10	9.778	212	33178	800.00	ppb	0.00
28) Benzo(a)pyrene-d12	13.948	264	22372	800.00	ppb	0.00
35) 1-Methylnaphthalene-d10a	5.891	150	15882	800.00	ppb	0.00
37) Fluoranthene-d10a	9.778	212	33178	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	3.437	112	56063	5218.68	ppb	0.00
Spiked Amount 10000.000			Recovery =	52.19%		
4) Phenol-d5	4.185	99	46641	3783.89	ppb	0.00
Spiked Amount 10000.000			Recovery =	37.84%		
6) Nitrobenzene-d5	4.816	82	82623	6224.23	ppb	0.00
Spiked Amount 10000.000			Recovery =	62.24%		
13) 2-Fluorobiphenyl	6.112	172	192357	6210.85	ppb	0.00
Spiked Amount 10000.000			Recovery =	62.11%		
18) 2,4,6-Tribromophenol	7.418	330	37482	7277.10	ppb	0.00
Spiked Amount 10000.000			Recovery =	72.77%		
25) Terphenyl-d14	10.410	244	157385	5703.56	ppb	0.00
Spiked Amount 10000.000			Recovery =	57.04%		
Target Compounds						Qvalue
2) 1,4-Dioxane	1.895	88	675	110.4511	ppb	90
5) Phenol	4.196	94	5303	409.3778	ppb	87
7) Naphthalene	5.346	128	1087799	24877.0820	ppb	93
8) Hexachlorobutadiene	5.430	225	890	77.9534	ppb	99
9) 2-Methylnaphthalene	5.844	141	162745	6442.7196	ppb	87
10) 1-Methylnaphthalene	5.915	141	167024	6243.7608	ppb	88
14) Acenaphthylene	6.541	152	8011	184.5130	ppb	92
15) Acenaphthene	6.687	153	105800	3380.7104	ppb	87
16) Fluorene	7.166	166	17707	528.2890	ppb	96
17) 4,6-dinitro-2-methylph...	7.250	198	4607	1262.0070	ppb	80
20) Hexachlorobenzene	7.741	284	1396	118.2161	ppb	94
21) Phenanthrene	8.217	178	1897	46.4685	ppb	99
22) Anthracene	8.285	178	7181	138.3413	ppb	98
23) Fluoranthene	9.803	202	6994	135.6471	ppb	99
24) Pyrene	10.123	202	7360	138.3514	ppb	96
26) Benzo[a]anthracene	11.957	228	4045	115.5756	ppb	94
27) Chrysene	12.009	228	4379m	80.5949	ppb	
29) Benzo[b]fluoranthene	13.545	252	2844	76.5322	ppb	98
30) Benzo[k]fluoranthene	13.579	252	3338	74.1026	ppb	100
31) Benzo[a]pyrene	13.982	252	2757	69.1809	ppb	99
32) Indeno[1,2,3-cd]pyrene	15.399	276	3000	63.0397	ppb	99
33) Dibenz[a,h]anthracene	15.419	278	3017	79.2139	ppb	92
34) Benzo[g,h,i]perylene	15.716	276	2534	63.7089	ppb	100
38) Pentachlorophenol	7.984	266	7097	1466.5730	ppb	97

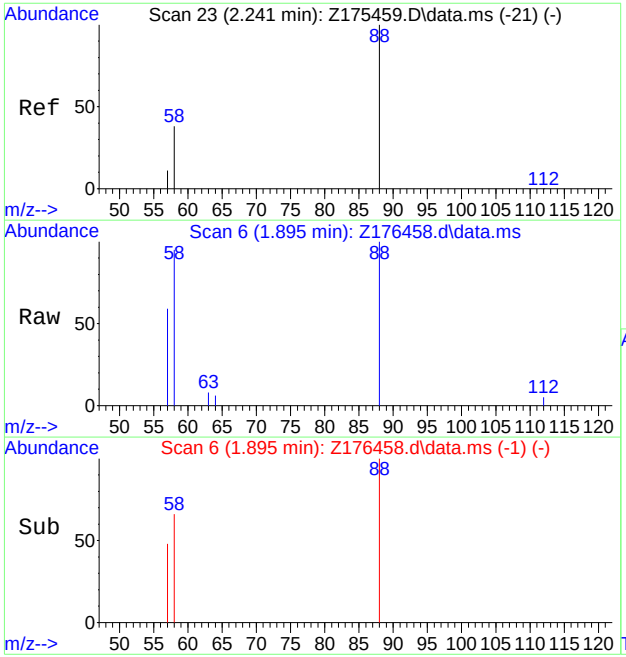
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\nerirose\EZ8689\
Data File : Z176458.d
Acq On : 18 Oct 2025 11:08 pm
Operator : rocquans
Sample : op68138a-msda Inst : GCMSZ
Misc : op68138a,ez8689,250,,,1,1
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Oct 20 15:54:12 2025
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 15:26:21 2025
Response via : Initial Calibration

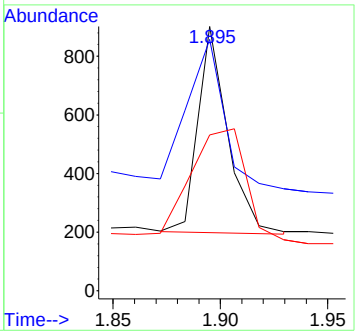


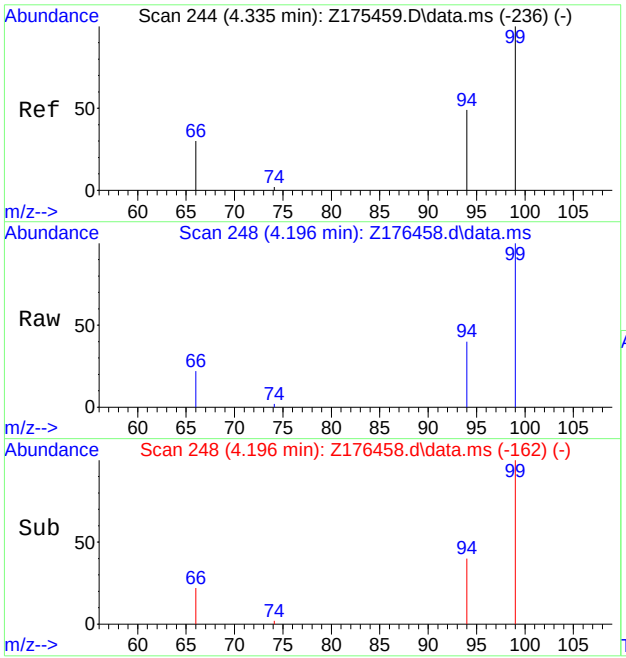


#2
1,4-Dioxane
Concen: 110.4511 ppb
RT: 1.895 min Scan# 6
Delta R.T. 0.000 min
Lab File: Z176458.d
Acq: 18 Oct 2025 11:08 pm

Tgt Ion: 88 Resp: 675

Ion	Ratio	Lower	Upper
88	100		
58	70.5	42.3	82.3
57	49.6	36.1	76.1

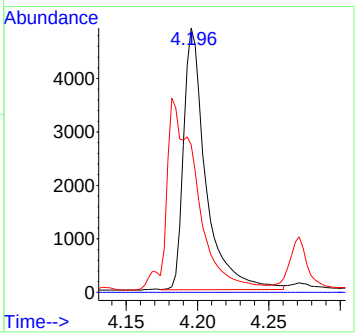


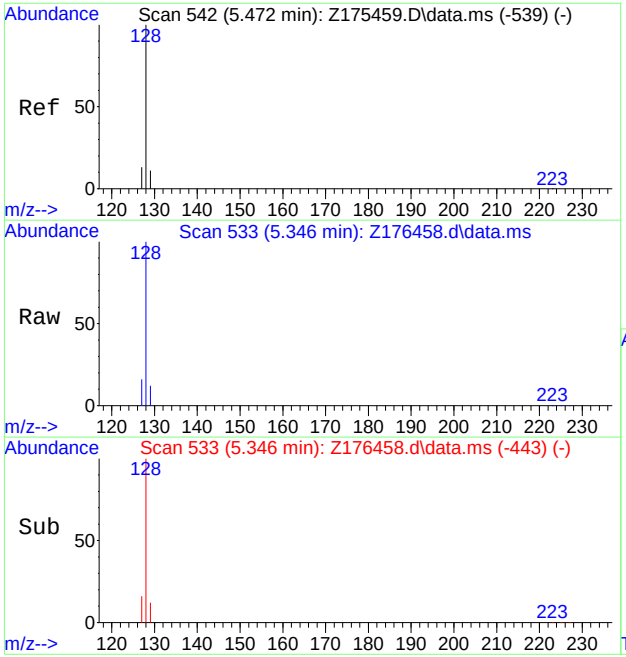


#5
Phenol
Concen: 409.3778 ppb
RT: 4.196 min Scan# 248
Delta R.T. 0.003 min
Lab File: Z176458.d
Acq: 18 Oct 2025 11:08 pm

Tgt Ion: 94 Resp: 5303

Ion	Ratio	Lower	Upper
94	100		
65	0.0	0.0	0.0
66	50.9	34.2	51.2

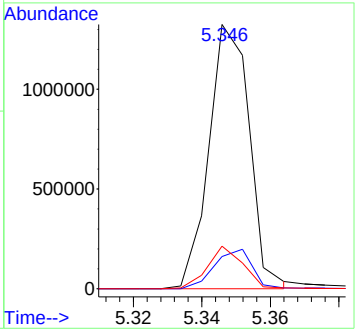


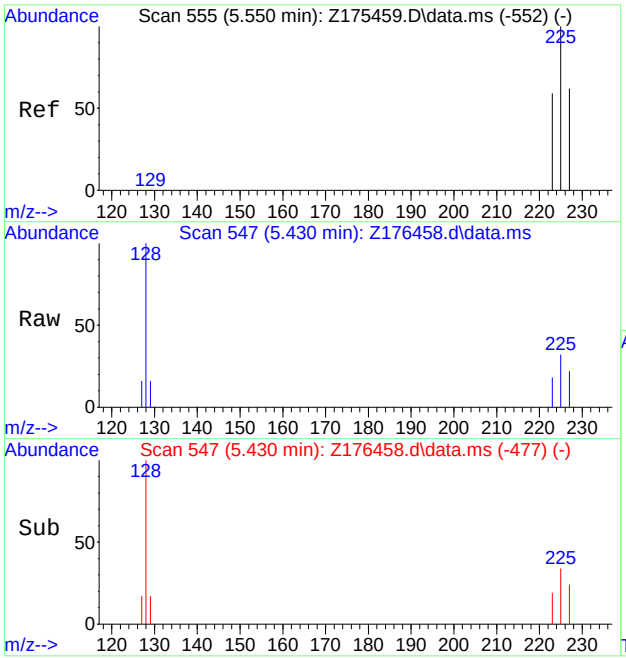


#7
Naphthalene
Concen: 24877.0820 ppb
RT: 5.346 min Scan# 533
Delta R.T. 0.000 min
Lab File: Z176458.d
Acq: 18 Oct 2025 11:08 pm

Tgt Ion:128 Resp: 1087799

Ion	Ratio	Lower	Upper
128	100		
129	12.2	0.0	39.9
127	16.1	0.0	43.2

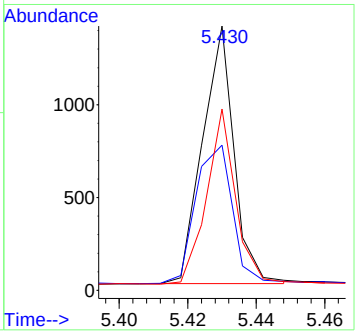


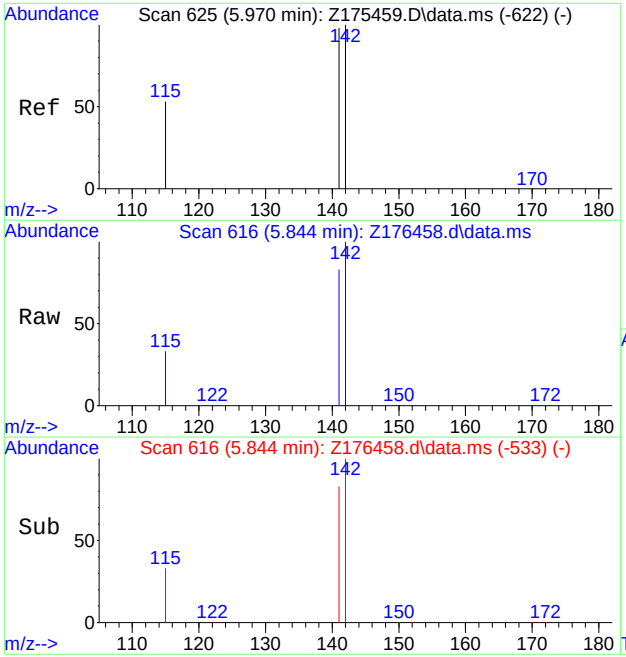


#8
Hexachlorobutadiene
Concen: 77.9534 ppb
RT: 5.430 min Scan# 547
Delta R.T. 0.000 min
Lab File: Z176458.d
Acq: 18 Oct 2025 11:08 pm

Tgt Ion:225 Resp: 890

Ion	Ratio	Lower	Upper
225	100		
223	53.6	25.2	85.2
227	67.9	38.5	98.5

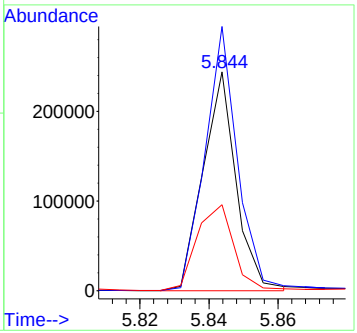


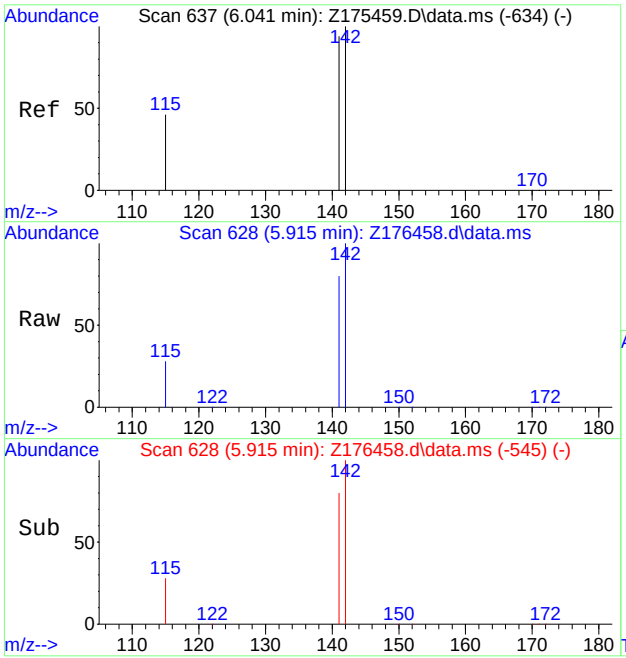


#9
2-Methylnaphthalene
Concen: 6442.7196 ppb
RT: 5.844 min Scan# 616
Delta R.T. 0.000 min
Lab File: Z176458.d
Acq: 18 Oct 2025 11:08 pm

Tgt Ion:141 Resp: 162745

Ion	Ratio	Lower	Upper
141	100		
142	120.9	74.7	134.7
115	39.3	14.4	74.4

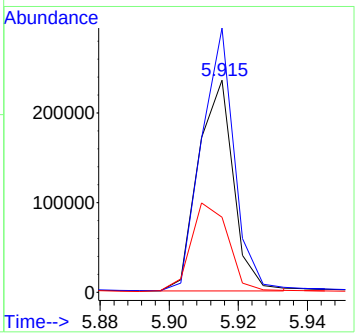


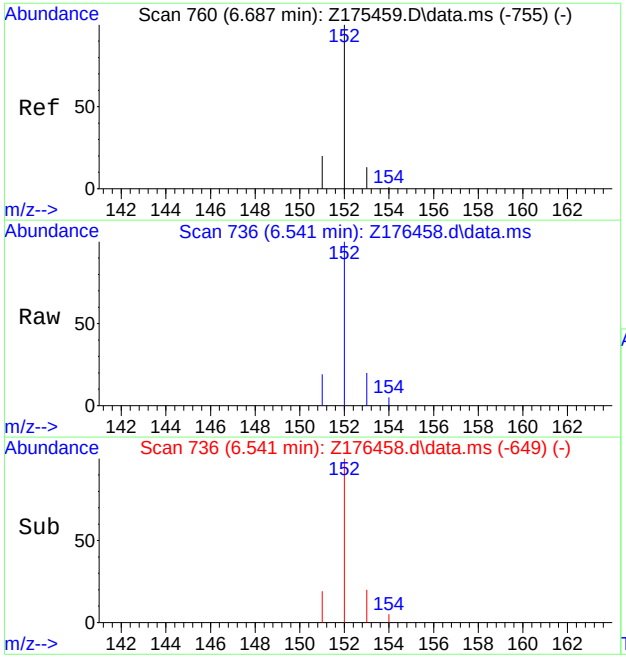


#10
1-Methylnaphthalene
Concen: 6243.7608 ppb
RT: 5.915 min Scan# 628
Delta R.T. 0.000 min
Lab File: Z176458.d
Acq: 18 Oct 2025 11:08 pm

Tgt Ion:141 Resp: 167024

Ion	Ratio	Lower	Upper
141	100		
142	124.8	78.9	138.9
115	35.0	7.8	67.8

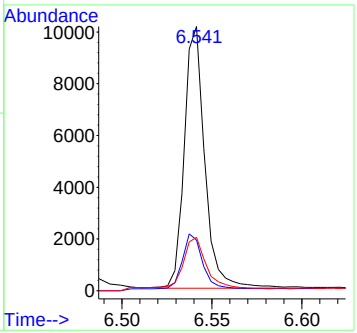


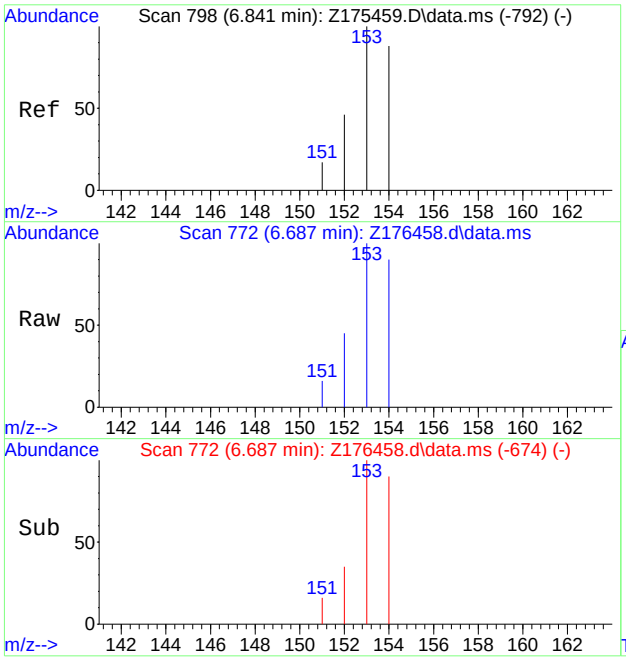


#14
Acenaphthylene
Concen: 184.5130 ppb
RT: 6.541 min Scan# 736
Delta R.T. 0.000 min
Lab File: Z176458.d
Acq: 18 Oct 2025 11:08 pm

Tgt Ion:152 Resp: 8011

Ion	Ratio	Lower	Upper
152	100		
151	18.6	0.0	49.5
153	19.3	0.0	42.6

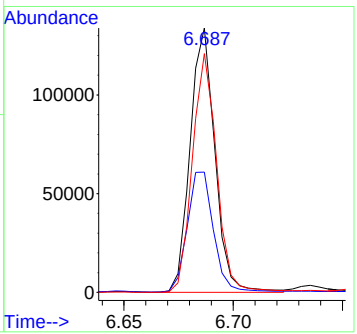


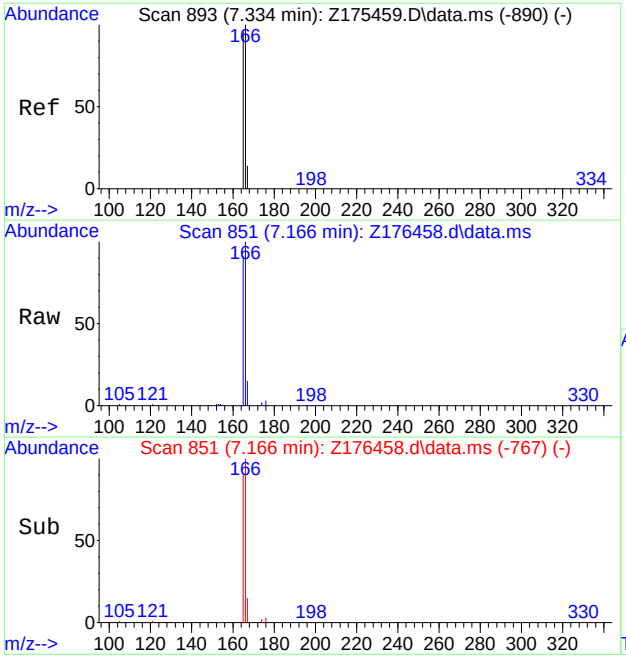


#15
Acenaphthene
Concen: 3380.7104 ppb
RT: 6.687 min Scan# 772
Delta R.T. 0.000 min
Lab File: Z176458.d
Acq: 18 Oct 2025 11:08 pm

Tgt Ion:153 Resp: 105800

Ion	Ratio	Lower	Upper
153	100		
152	45.4	20.2	80.2
154	90.3	45.1	105.1

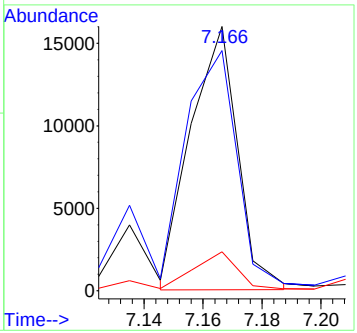


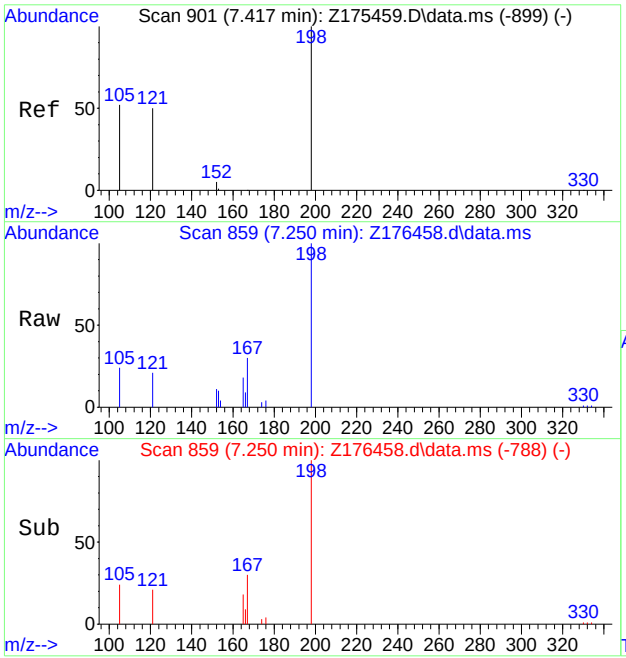


#16
Fluorene
Concen: 528.2890 ppb
RT: 7.166 min Scan# 851
Delta R.T. 0.000 min
Lab File: Z176458.d
Acq: 18 Oct 2025 11:08 pm

Tgt Ion:166 Resp: 17707

Ion	Ratio	Lower	Upper
166	100		
165	90.1	63.9	123.9
167	14.4	0.0	43.4

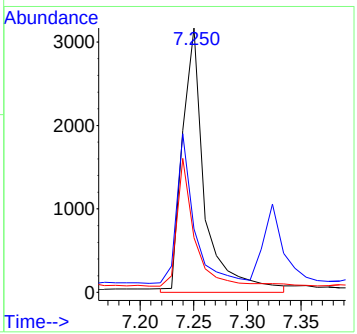


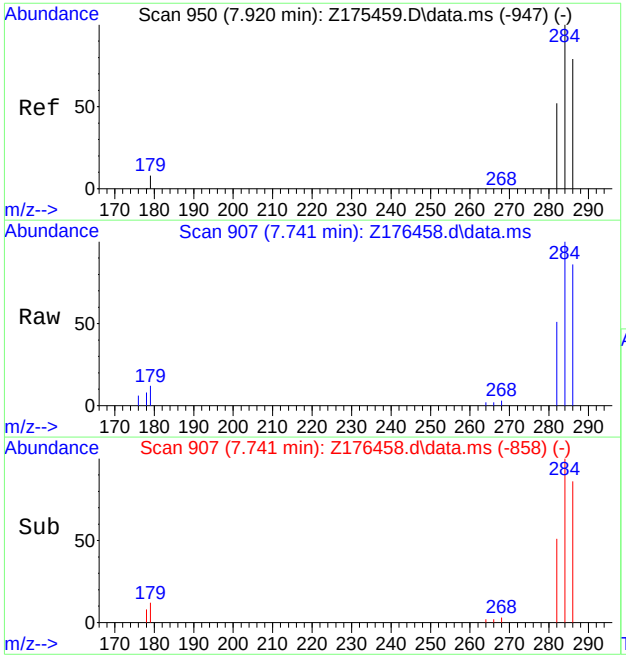


#17
4,6-dinitro-2-methylphenol
Concen: 1262.0070 ppb
RT: 7.250 min Scan# 859
Delta R.T. 0.000 min
Lab File: Z176458.d
Acq: 18 Oct 2025 11:08 pm

Tgt Ion:198 Resp: 4607

Ion	Ratio	Lower	Upper
198	100		
105	15.0	8.3	48.3
121	18.2	5.1	45.1

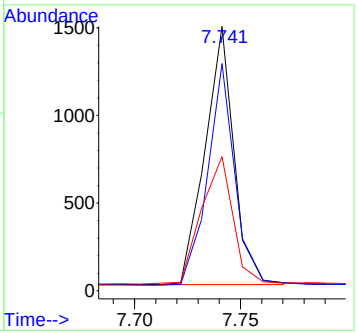


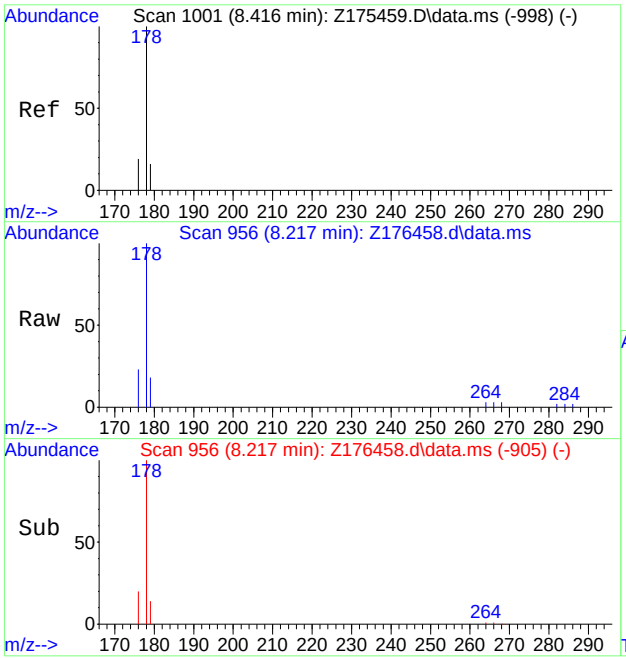


#20
Hexachlorobenzene
Concen: 118.2161 ppb
RT: 7.741 min Scan# 907
Delta R.T. 0.000 min
Lab File: Z176458.d
Acq: 18 Oct 2025 11:08 pm

Tgt Ion:284 Resp: 1396

Ion	Ratio	Lower	Upper
284	100		
286	85.7	48.4	108.4
282	49.3	20.7	80.7

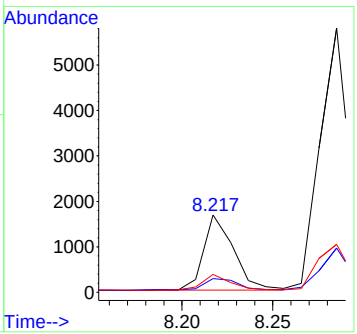


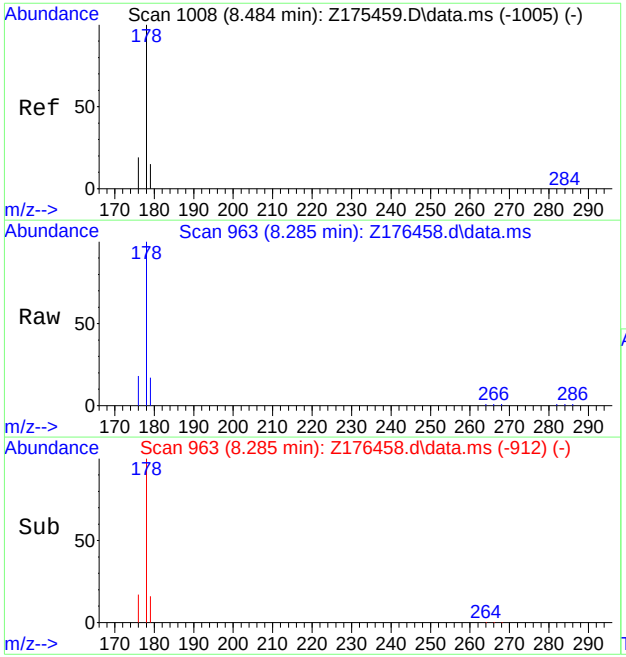


#21
Phenanthrene
Concen: 46.4685 ppb
RT: 8.217 min Scan# 956
Delta R.T. 0.000 min
Lab File: Z176458.d
Acq: 18 Oct 2025 11:08 pm

Tgt Ion:178 Resp: 1897

Ion	Ratio	Lower	Upper
178	100		
179	14.8	0.0	43.8
176	20.7	0.0	50.9

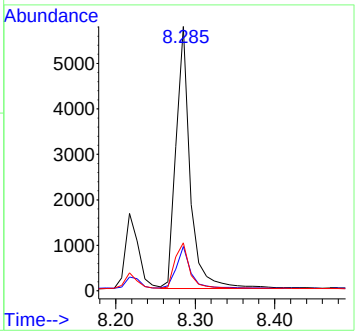


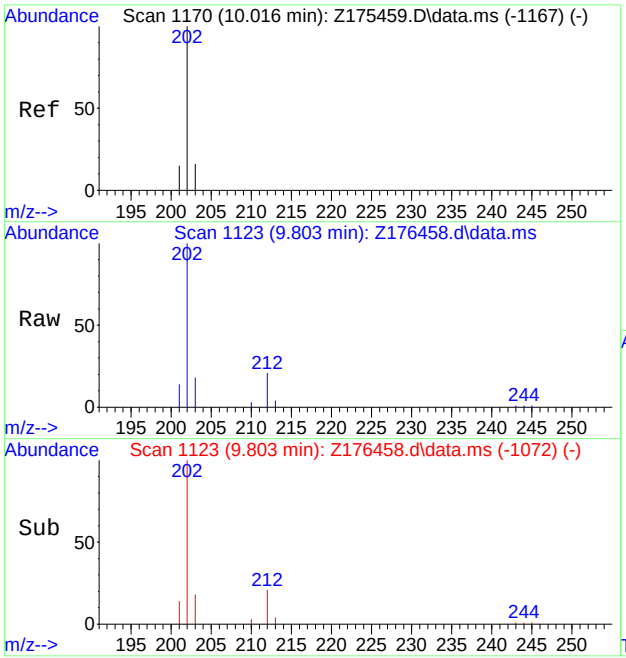


#22
Anthracene
Concen: 138.3413 ppb
RT: 8.285 min Scan# 963
Delta R.T. 0.000 min
Lab File: Z176458.d
Acq: 18 Oct 2025 11:08 pm

Tgt Ion:178 Resp: 7181

Ion	Ratio	Lower	Upper
178	100		
179	15.9	0.0	45.0
176	17.3	0.0	48.3

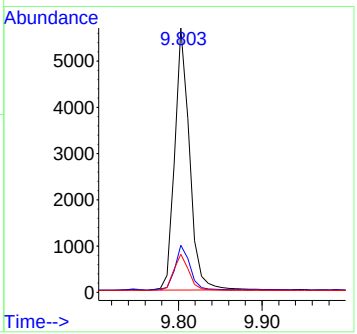


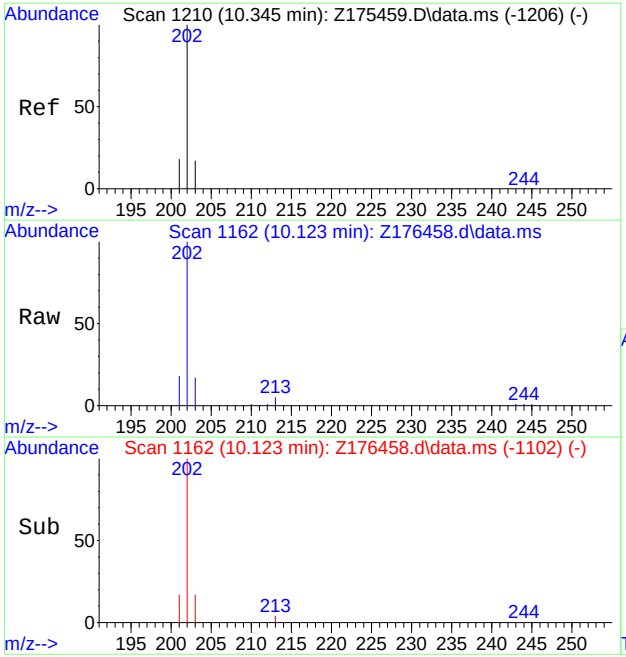


#23
Fluoranthene
Concen: 135.6471 ppb
RT: 9.803 min Scan# 1123
Delta R.T. 0.000 min
Lab File: Z176458.d
Acq: 18 Oct 2025 11:08 pm

Tgt Ion:202 Resp: 6994

Ion	Ratio	Lower	Upper
202	100		
203	17.0	0.0	46.2
201	13.8	0.0	44.2

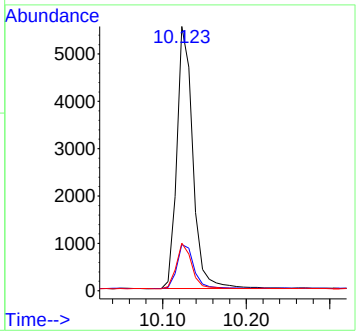


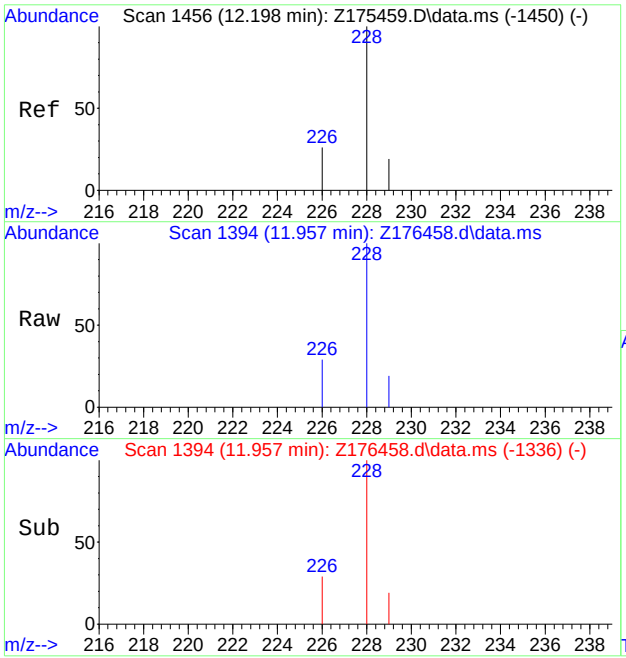


#24
Pyrene
Concen: 138.3514 ppb
RT: 10.123 min Scan# 1162
Delta R.T. -0.008 min
Lab File: Z176458.d
Acq: 18 Oct 2025 11:08 pm

Tgt Ion:202 Resp: 7360

Ion	Ratio	Lower	Upper
202	100		
203	16.6	0.0	48.3
201	17.4	0.0	45.8

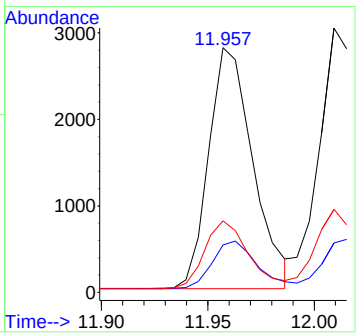


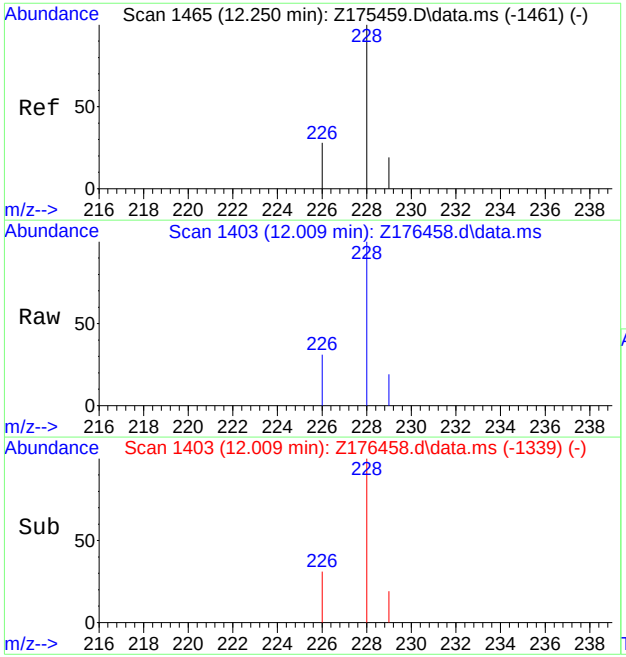


#26
Benzo[a]anthracene
Concen: 115.5756 ppb
RT: 11.957 min Scan# 1394
Delta R.T. -0.006 min
Lab File: Z176458.d
Acq: 18 Oct 2025 11:08 pm

Tgt Ion:228 Resp: 4045

Ion	Ratio	Lower	Upper
228	100		
229	17.7	0.0	50.0
226	28.2	0.0	55.0

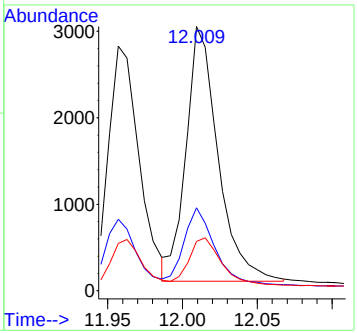


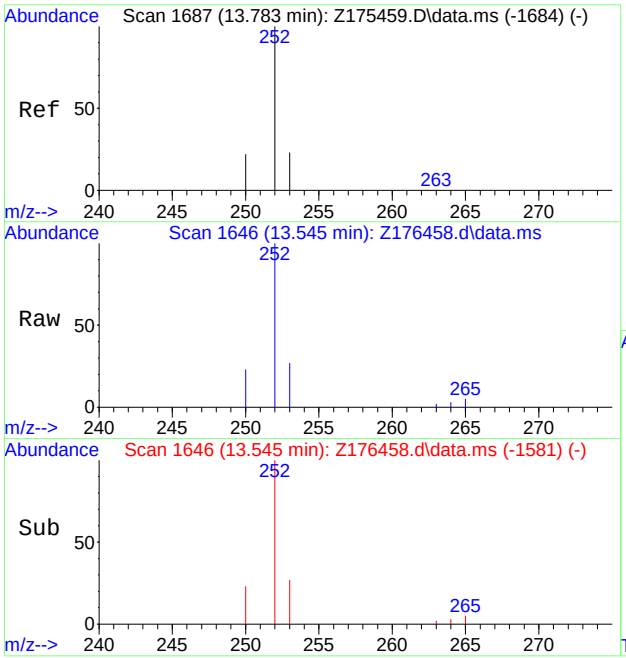


#27
Chrysene
Concen: 80.5949 ppb m
RT: 12.009 min Scan# 1403
Delta R.T. -0.006 min
Lab File: Z176458.d
Acq: 18 Oct 2025 11:08 pm

Tgt Ion:228 Resp: 4379

Ion	Ratio	Lower	Upper
228	100		
226	31.4	0.0	59.0
229	18.7	0.0	50.3

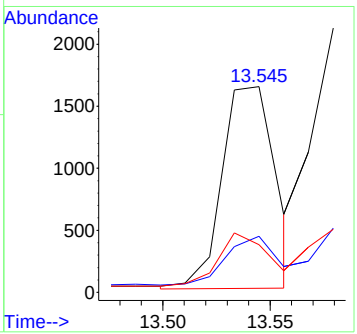


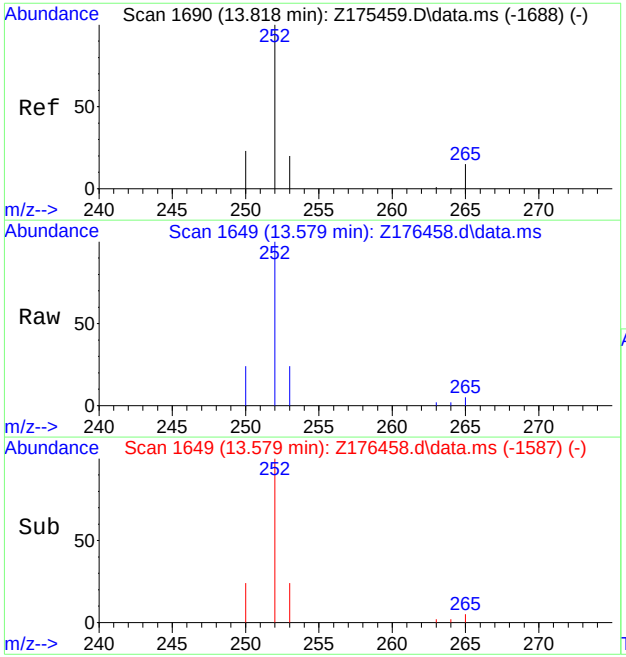


#29
Benzo[b]fluoranthene
Concen: 76.5322 ppb
RT: 13.545 min Scan# 1646
Delta R.T. 0.000 min
Lab File: Z176458.d
Acq: 18 Oct 2025 11:08 pm

Tgt Ion:252 Resp: 2844

Ion	Ratio	Lower	Upper
252	100		
253	24.0	0.0	52.2
250	20.7	0.0	50.8

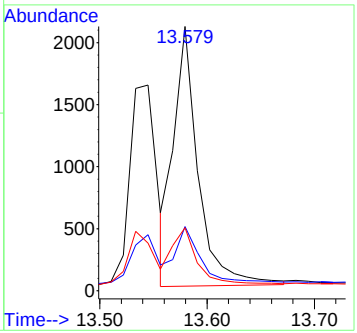


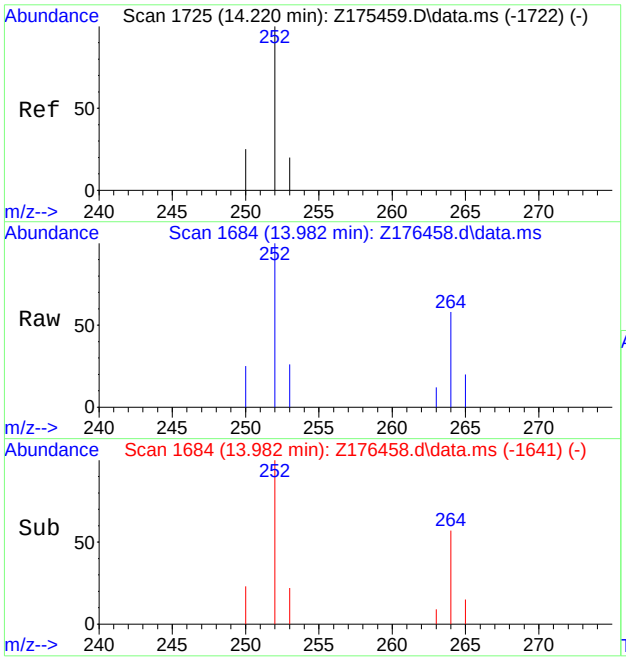


#30
Benzo[k]fluoranthene
Concen: 74.1026 ppb
RT: 13.579 min Scan# 1649
Delta R.T. 0.000 min
Lab File: Z176458.d
Acq: 18 Oct 2025 11:08 pm

Tgt Ion:252 Resp: 3338

Ion	Ratio	Lower	Upper
252	100		
253	21.2	0.0	50.8
250	22.1	0.0	52.0

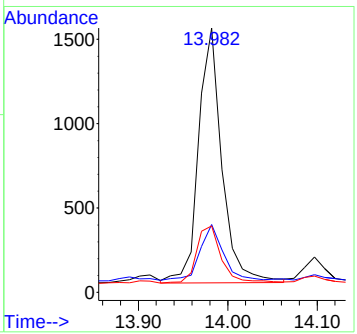


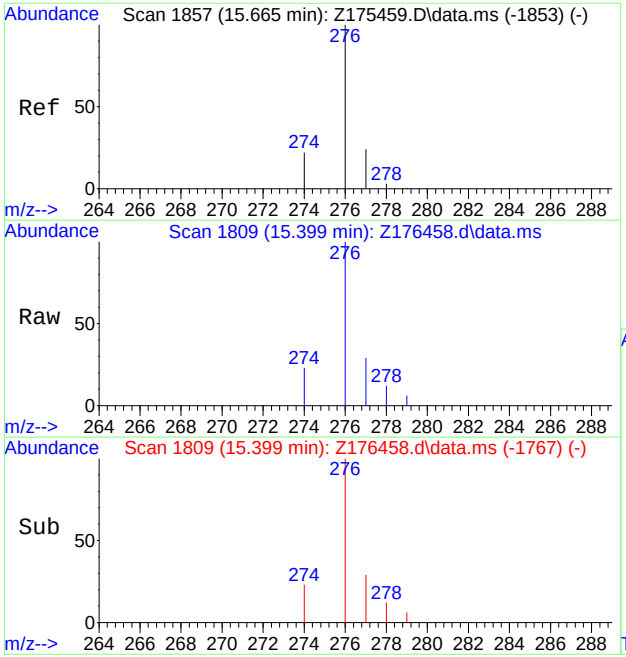


#31
Benzo[a]pyrene
Concen: 69.1809 ppb
RT: 13.982 min Scan# 1684
Delta R.T. 0.000 min
Lab File: Z176458.d
Acq: 18 Oct 2025 11:08 pm

Tgt Ion:252 Resp: 2757

Ion	Ratio	Lower	Upper
252	100		
253	21.9	0.0	52.5
250	22.4	0.0	53.0

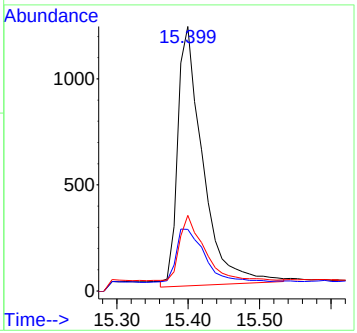


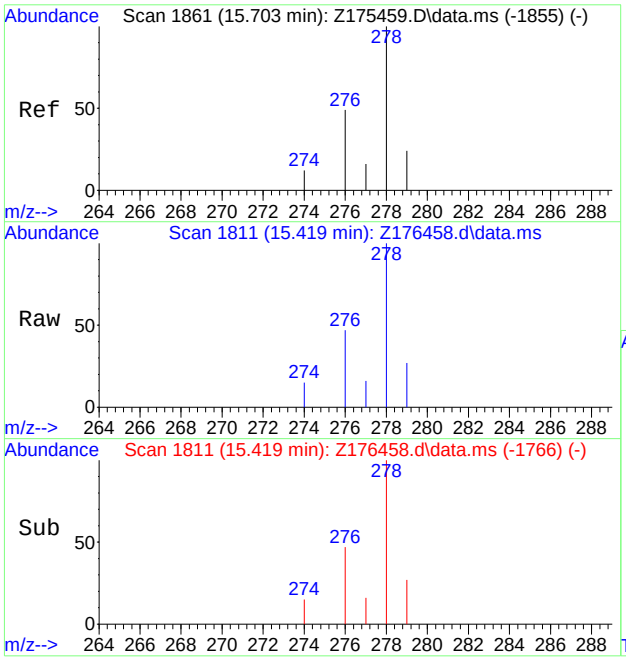


#32
Indeno[1,2,3-cd]pyrene
Concen: 63.0397 ppb
RT: 15.399 min Scan# 1809
Delta R.T. 0.000 min
Lab File: Z176458.d
Acq: 18 Oct 2025 11:08 pm

Tgt Ion:276 Resp: 3000

Ion	Ratio	Lower	Upper
276	100		
274	20.5	0.0	50.1
277	25.6	0.0	54.6

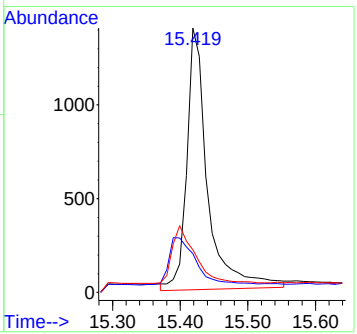


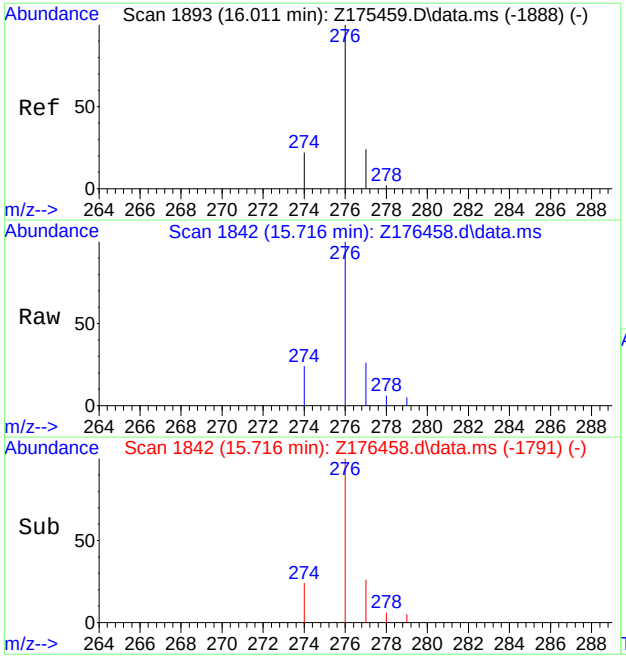


#33
Dibenz[a,h]anthracene
Concen: 79.2139 ppb
RT: 15.419 min Scan# 1811
Delta R.T. 0.000 min
Lab File: Z176458.d
Acq: 18 Oct 2025 11:08 pm

Tgt Ion:278 Resp: 3017

Ion	Ratio	Lower	Upper
278	100		
274	11.9	0.0	44.6
277	13.0	0.0	46.9

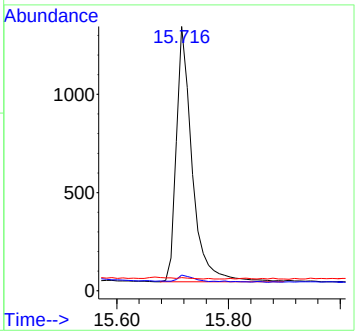


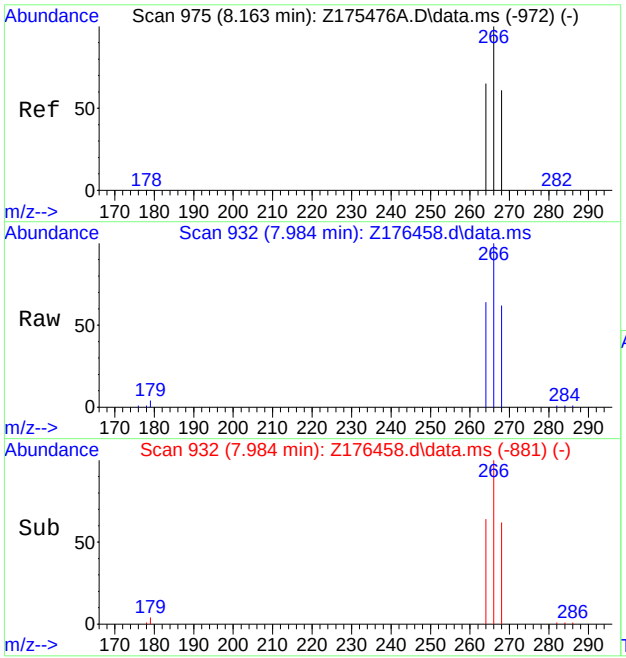


#34
Benzo[g,h,i]perylene
Concen: 63.7089 ppb
RT: 15.716 min Scan# 1842
Delta R.T. 0.000 min
Lab File: Z176458.d
Acq: 18 Oct 2025 11:08 pm

Tgt Ion:276 Resp: 2534

Ion	Ratio	Lower	Upper
276	100		
278	2.5	0.0	32.6
279	0.2	0.0	30.2

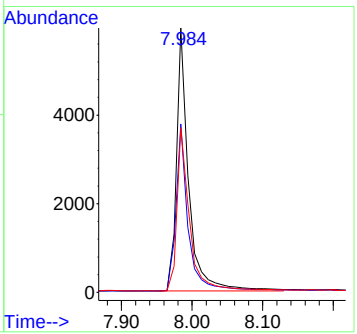




#38
Pentachlorophenol
Concen: 1466.5730 ppb
RT: 7.984 min Scan# 932
Delta R.T. 0.000 min
Lab File: Z176458.d
Acq: 18 Oct 2025 11:08 pm

Tgt Ion:266 Resp: 7097

Ion	Ratio	Lower	Upper
266	100		
264	64.3	40.6	80.6
268	64.3	43.2	83.2



Manual Integration Approval Summary

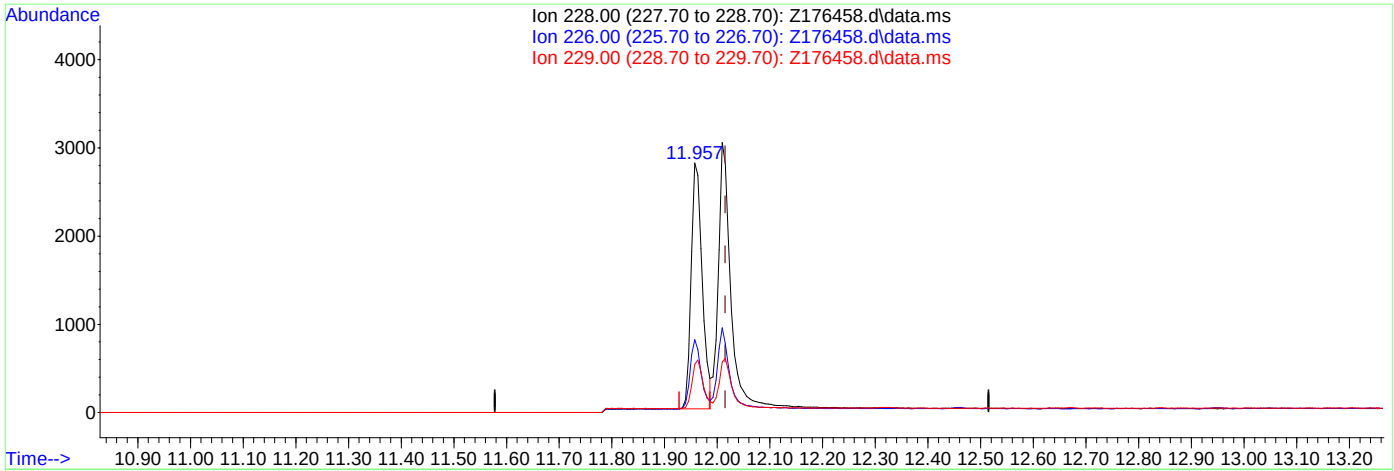
Sample Number:	OP68138A-MSDA	**Method:**	SW846 8270E BY SIM
Lab FileID:	Z176458.D	**Analyst approved:**	10/27/25 17:41 Ying Li
Injection Time:	10/18/25 23:08	**Supervisor approved:**	10/27/25 17:42 Ying Li

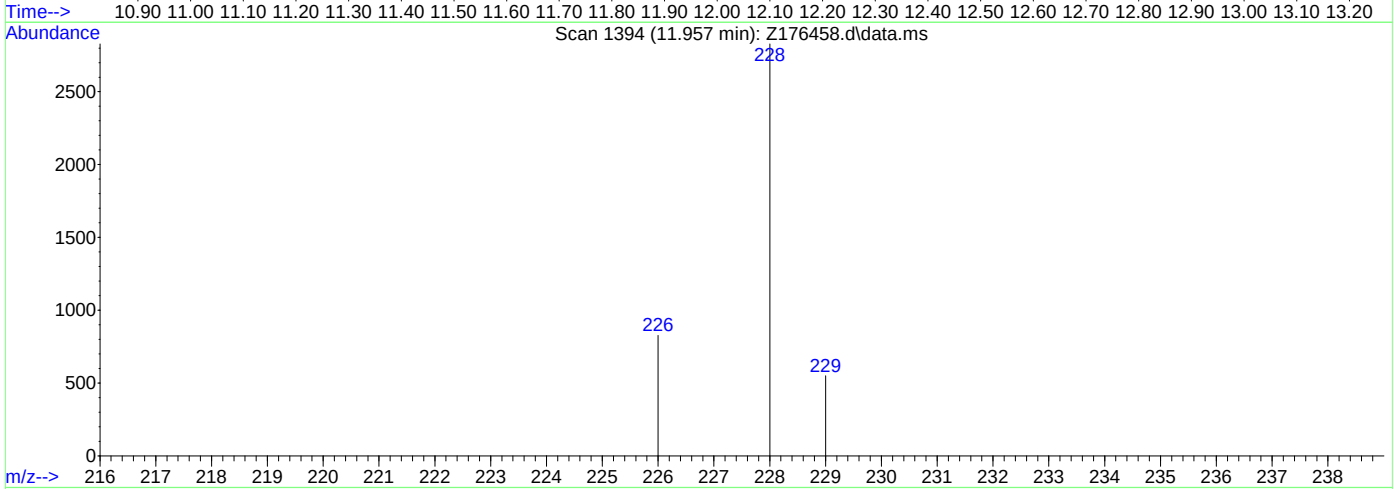
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chrysene	218-01-9		12.01	Poor instrument integration

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\nerirose\EZ8689\
Data File : Z176458.d
Acq On : 18 Oct 2025 11:08 pm
Operator : rocquans
Sample : op68138a-msd Inst : GCMSZ
Misc : op68255a,ez8689,250,,,1,1
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Oct 20 15:29:47 2025
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 15:26:21 2025
Response via : Initial Calibration





TIC: Z176458.d\data.ms

(27) Chrysene (t)

11.957min (-0.058) 74.45ppb

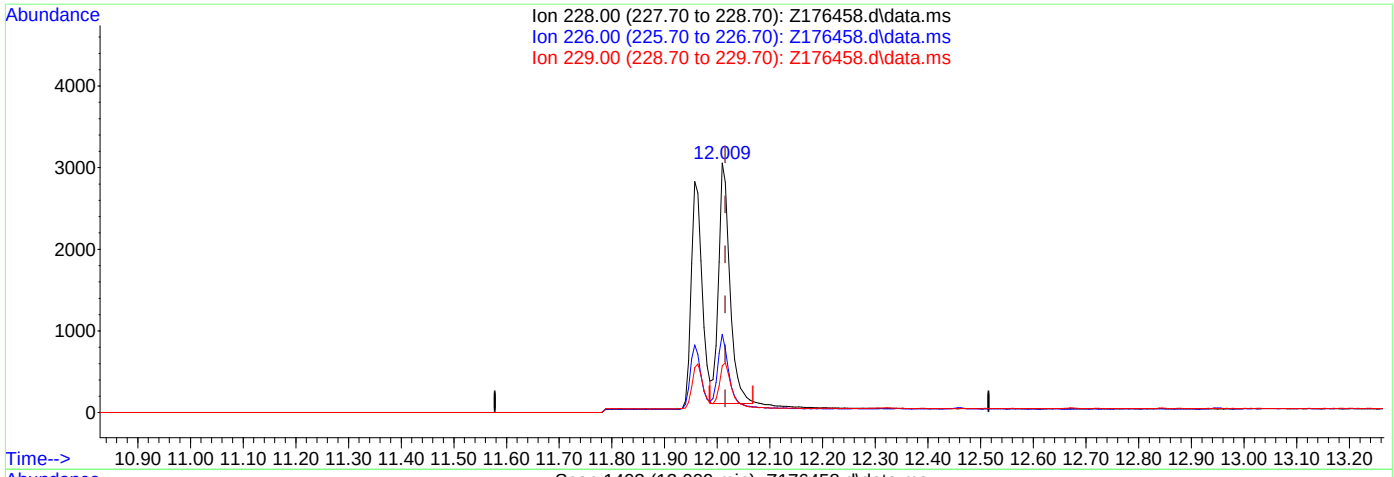
response 4045

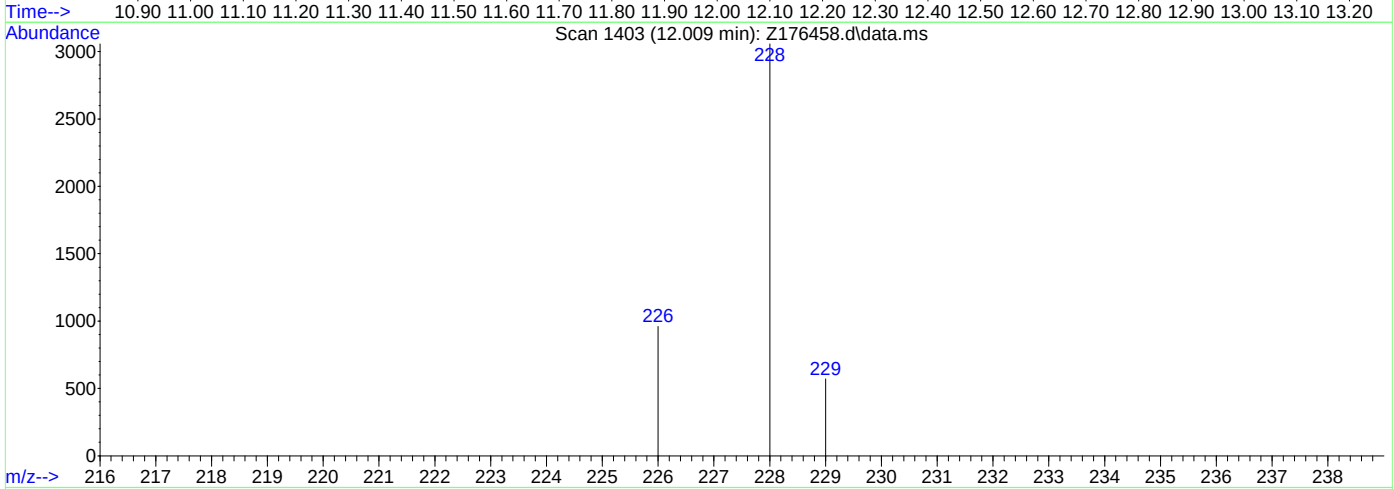
Ion	Exp%	Act%
228.00	100	100
226.00	29.00	28.19
229.00	20.30	17.71
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\nerirose\EZ8689\
Data File : Z176458.d
Acq On : 18 Oct 2025 11:08 pm
Operator : rocquans
Sample : op68138a-msd Inst : GCMSZ
Misc : op68255a,ez8689,250,,,1,1
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Oct 20 15:29:47 2025
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 15:26:21 2025
Response via : Initial Calibration





TIC: Z176458.d\data.ms

(27) Chrysene (t)

12.009min (-0.006) 80.59ppb m

response 4379

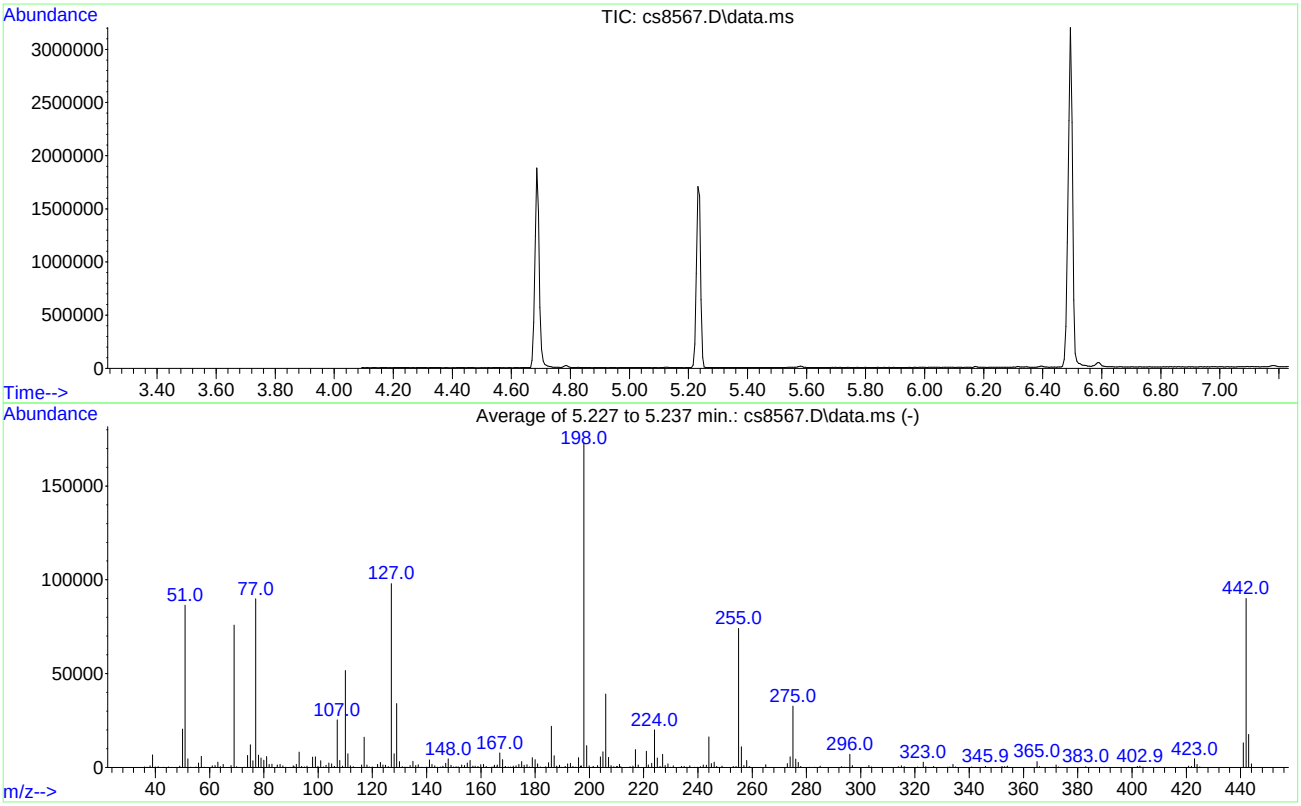
Ion	Exp%	Act%
228.00	100	100
226.00	29.00	31.39
229.00	20.30	18.71
0.00	0.00	0.00

DFTPP

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8567.D
Acq On : 17 Sep 2025 11:06 am
Operator : rocquans
Sample : dftpp
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 41 Sample Multiplier: 1

Integration File: RTEINT.P

Method : D:\MassHunter\GCMS\1\methods\dftppcs.m
Title : Semi Volatile GC/MS, ZB-5 15m x .25mm x .25um
Last Update : Fri Aug 22 14:22:30 2025



AutoFind: Scans 213, 214, 215; Background Corrected with Scan 208

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	50.0	86464	PASS
68	69	0.00	2	1.4	1028	PASS
69	198	0.00	100	43.8	75795	PASS
70	69	0.00	2	0.5	407	PASS
127	198	40	60	56.6	97965	PASS
197	198	0.00	1	0.5	869	PASS
198	198	100	100	100.0	173072	PASS
199	198	5	9	6.7	11562	PASS
275	198	10	30	18.8	32624	PASS
365	198	1	100	1.8	3128	PASS
441	443	0.10	100	74.8	13092	PASS
442	198	40	100	52.0	89987	PASS
443	442	17	23	19.5	17505	PASS

Average of 5.227 to 5.237 min.: cs8567.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	214	52.00	4574	67.95	1028	81.00	5706
36.90	156	53.00	112	69.00	75795	82.00	1584
38.00	882	55.00	254	69.95	407	83.00	1694
39.00	6682	55.95	2292	73.00	145	84.95	1294
40.00	221	57.00	5910	74.00	6426	85.95	1504
41.05	437	58.00	110	75.00	11991	87.05	783
43.00	101	60.95	835	76.00	3543	87.90	103
44.90	237	62.00	967	77.00	89925	90.85	841
49.00	712	63.00	2826	78.05	6490	91.10	444
50.00	20444	63.95	383	79.00	4959	91.95	1512
51.00	86464	65.00	1647	80.00	3816	93.00	8085

Average of 5.227 to 5.237 min.: cs8567.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
93.95	560	105.80	133	117.95	1211	129.00	33984
94.95	211	106.00	476	118.85	266	129.95	3048
95.90	681	107.00	25328	119.95	290	131.00	368
98.00	5429	107.95	3657	121.90	1563	131.90	144
99.00	5553	109.00	667	123.00	2624	132.10	130
99.95	510	110.00	51619	123.85	1315	132.80	113
101.00	3467	111.00	7313	124.85	1107	133.95	963
102.00	240	111.95	876	125.85	333	134.95	3155
102.95	1108	112.90	389	126.10	116	135.95	1019
104.00	2286	116.00	1292	127.00	97965	136.95	1387
104.95	1876	117.00	16041	128.00	7321	138.10	104

Average of 5.227 to 5.237 min.: cs8567.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
139.90	116	149.95	272	158.90	603	167.95	4107
140.10	128	150.90	437	159.95	1362	168.80	136
141.00	3954	151.30	135	161.00	1652	169.00	482
141.95	1544	151.60	146	161.90	168	170.05	233
142.95	843	151.80	171	162.05	365	170.90	291
143.90	119	152.95	1291	164.05	237	171.90	668
145.10	163	153.95	1007	164.80	256	173.00	902
146.00	686	155.00	2311	164.95	1206	174.00	1633
147.00	2241	156.00	3742	165.70	175	175.00	3081
148.00	4572	157.00	737	166.00	1241	175.95	1202
149.00	1066	157.90	634	167.00	7738	177.00	1423

Average of 5.227 to 5.237 min.: cs8567.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
177.90	171	189.80	112	198.00	173072	209.05	452
178.95	5197	190.90	229	199.00	11562	210.05	472
180.00	4082	191.15	369	199.95	839	210.30	314
180.95	1821	192.00	1899	201.40	523	211.05	1569
181.95	283	192.95	2141	201.60	302	211.60	326
183.95	385	193.95	543	203.00	973	214.95	344
184.95	2507	194.90	135	204.00	5569	216.00	625
186.00	21912	195.10	153	205.00	8311	216.95	9527
187.05	6215	196.00	5111	206.00	39136	217.95	1232
187.95	688	196.75	731	207.00	5283	221.00	8592
188.95	1188	197.00	869	207.95	909	221.75	1254

Average of 5.227 to 5.237 min.: cs8567.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
223.00	2179	235.90	113	248.90	647	274.00	5629
224.00	19957	237.00	758	253.05	571	275.00	32624
225.00	5023	238.90	121	254.05	555	276.00	4479
226.00	549	239.80	118	255.00	74088	276.95	2566
227.00	6917	240.90	411	256.00	10959	277.95	496
227.95	1000	241.95	1235	256.95	931	281.00	105
228.95	1817	243.05	1125	257.95	3619	283.10	152

229.90	100	244.00	16221	258.90	430	285.00	652
230.95	900	244.95	2079	259.10	209	292.80	152
233.95	464	246.00	2706	265.00	1353	293.00	359
234.95	588	246.95	580	273.00	2032	293.90	127

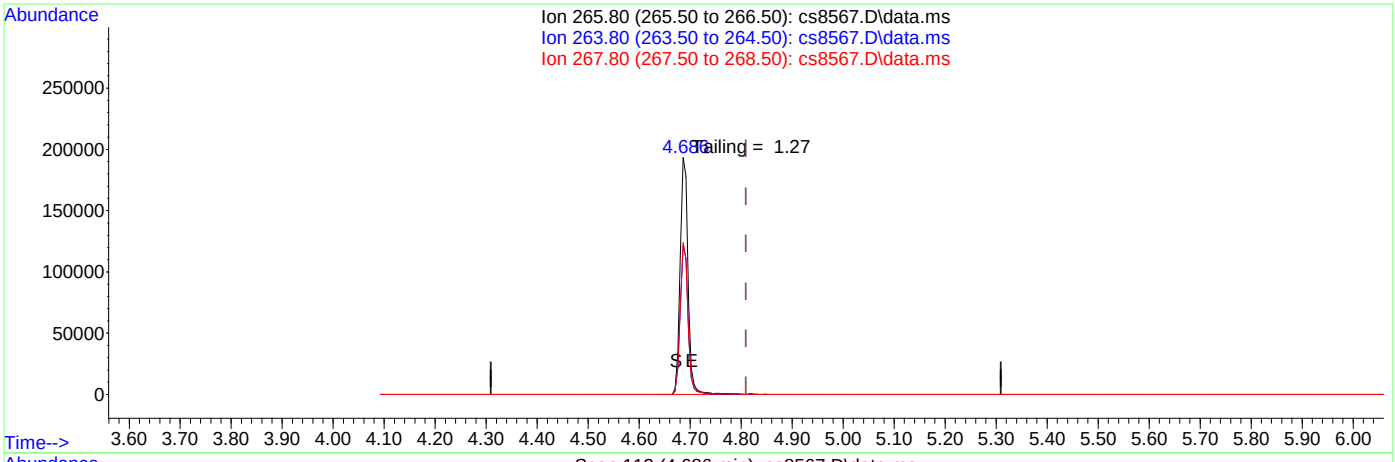
Average of 5.227 to 5.237 min.: cs8567.D\data.ms
dftpp
Modified:subtracted

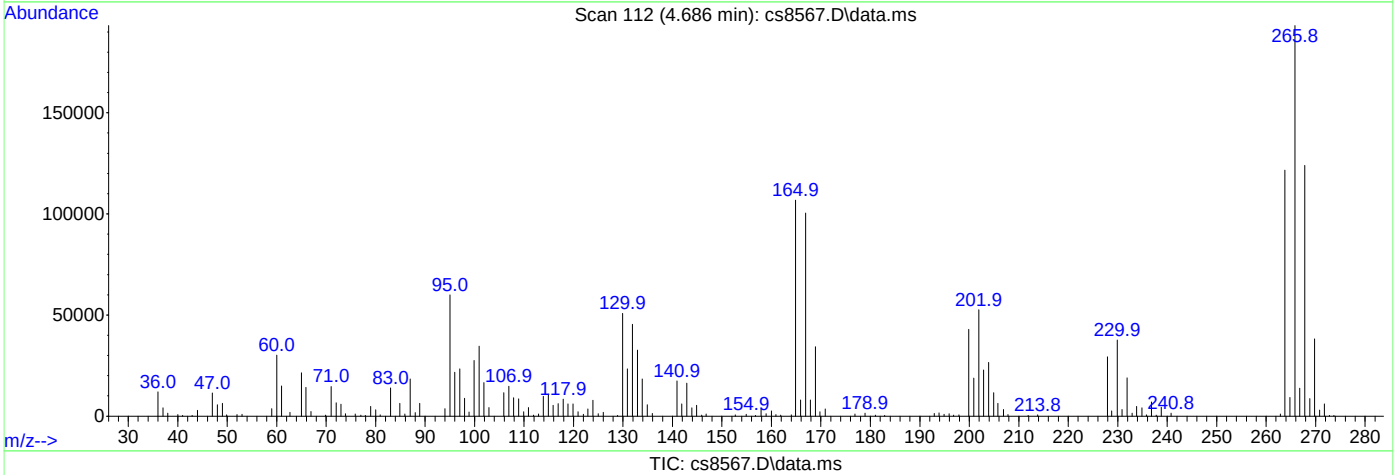
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
296.00	6993	326.90	463	365.00	3128	421.95	588
296.95	1049	331.90	117	365.95	444	423.00	4512
302.10	151	332.90	272	370.90	139	423.95	1587
303.05	908	333.95	1597	372.00	1340	425.00	250
303.95	252	334.95	266	372.90	284	441.00	13092
313.90	360	340.95	232	383.00	333	442.00	89987
314.95	755	345.95	466	390.00	115	443.00	17505
316.00	435	352.05	583	401.95	524	444.00	1923
320.95	240	353.05	371	402.95	660		
323.00	2723	353.80	102	404.00	151		
324.00	410	354.00	719	420.90	661		

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8567.D
Acq On : 17 Sep 2025 11:06 am
Operator : rocquans
Sample : dftpp
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Sep 17 11:26:29 2025
Quant Method : D:\MassHunter\GCMS\1\methods\dftppcs.m
Quant Title : Semi Volatile GC/MS, ZB-5 15m x .25mm x .25um
QLast Update : Fri Aug 22 14:22:30 2025
Response via : Initial Calibration





TIC: cs8567.D\data.ms

(1) Pentachlorophenol (t)

4.686min (-0.123) 0.00ppb

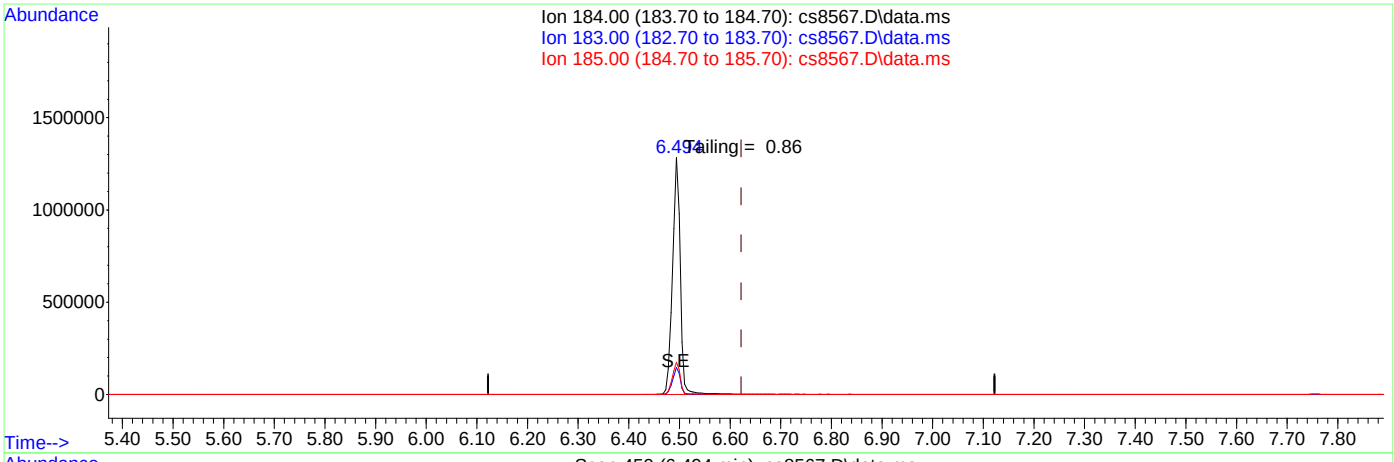
response 207089

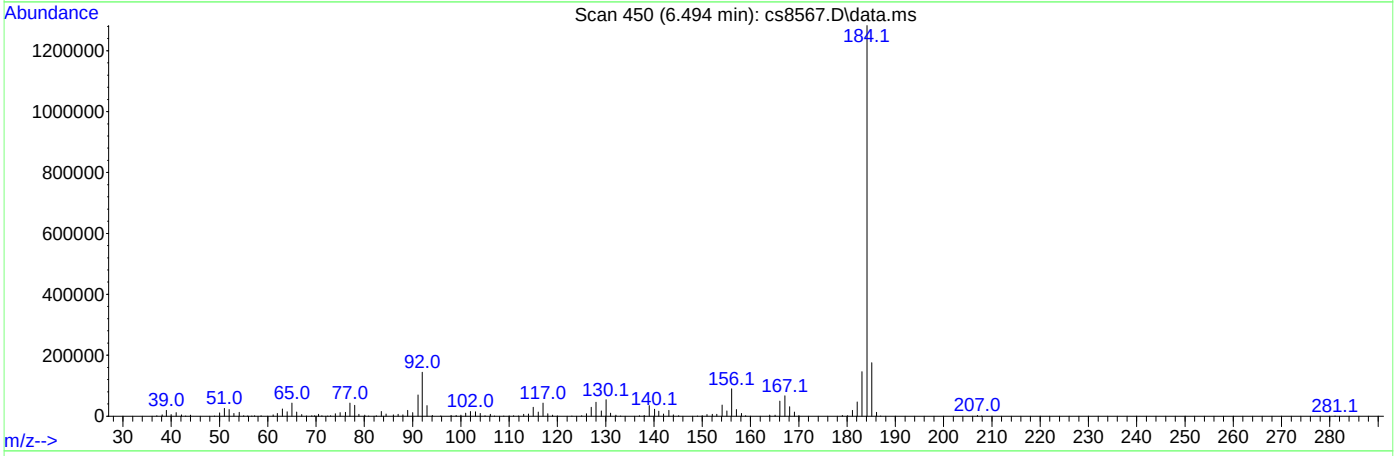
Ion	Exp%	Act%
265.80	100	100
263.80	63.90	62.97
267.80	62.80	64.14
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8567.D
Acq On : 17 Sep 2025 11:06 am
Operator : rocquans
Sample : dftpp
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Sep 17 11:26:29 2025
Quant Method : D:\MassHunter\GCMS\1\methods\dftppcs.m
Quant Title : Semi Volatile GC/MS, ZB-5 15m x .25mm x .25um
QLast Update : Fri Aug 22 14:22:30 2025
Response via : Initial Calibration





TIC: cs8567.D\data.ms

(2) Benzidine (t)

6.494min (-0.128) 0.00ppb

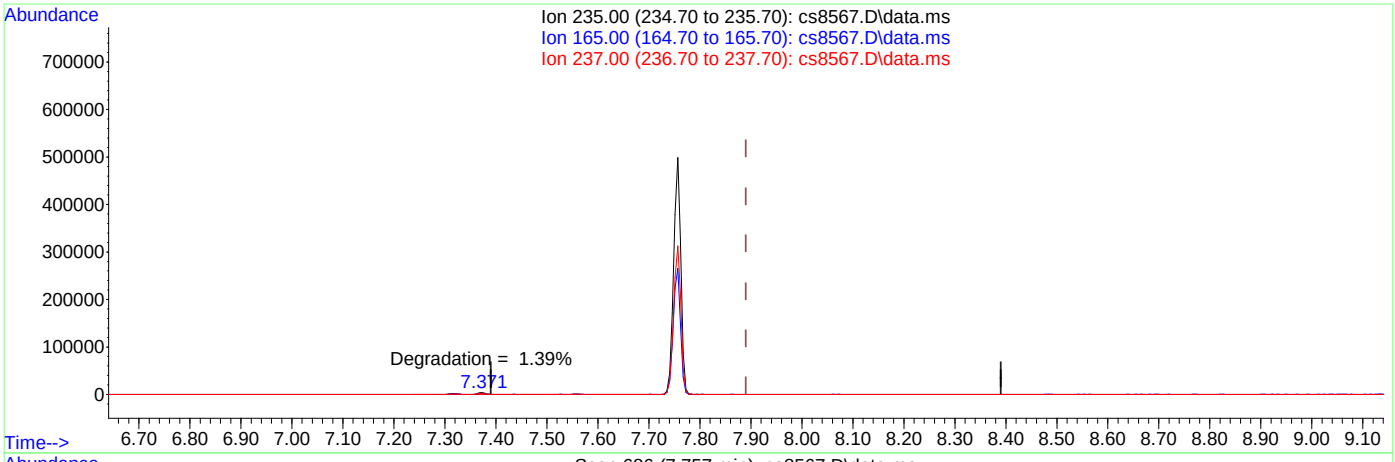
response 1381739

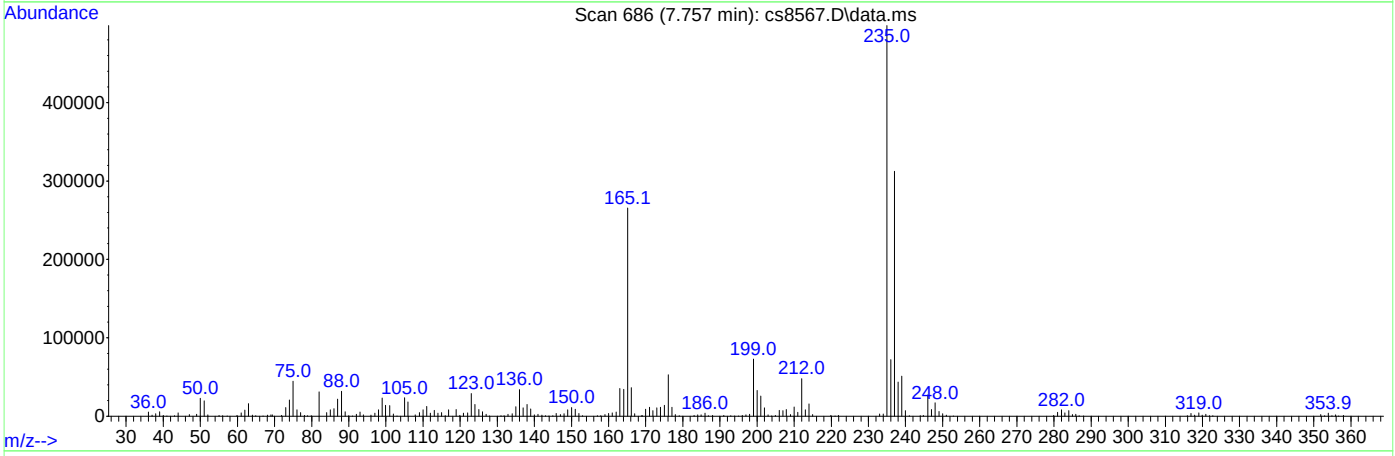
Ion	Exp%	Act%
184.00	100	100
183.00	11.30	11.37
185.00	13.80	13.68
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8567.D
Acq On : 17 Sep 2025 11:06 am
Operator : rocquans
Sample : dftpp
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Sep 17 11:26:29 2025
Quant Method : D:\MassHunter\GCMS\1\methods\dftppcs.m
Quant Title : Semi Volatile GC/MS, ZB-5 15m x .25mm x .25um
QLast Update : Fri Aug 22 14:22:30 2025
Response via : Initial Calibration





TIC: cs8567.D\data.ms

(3) PP-DDT (t)

7.757min (-0.134) 0.00ppb

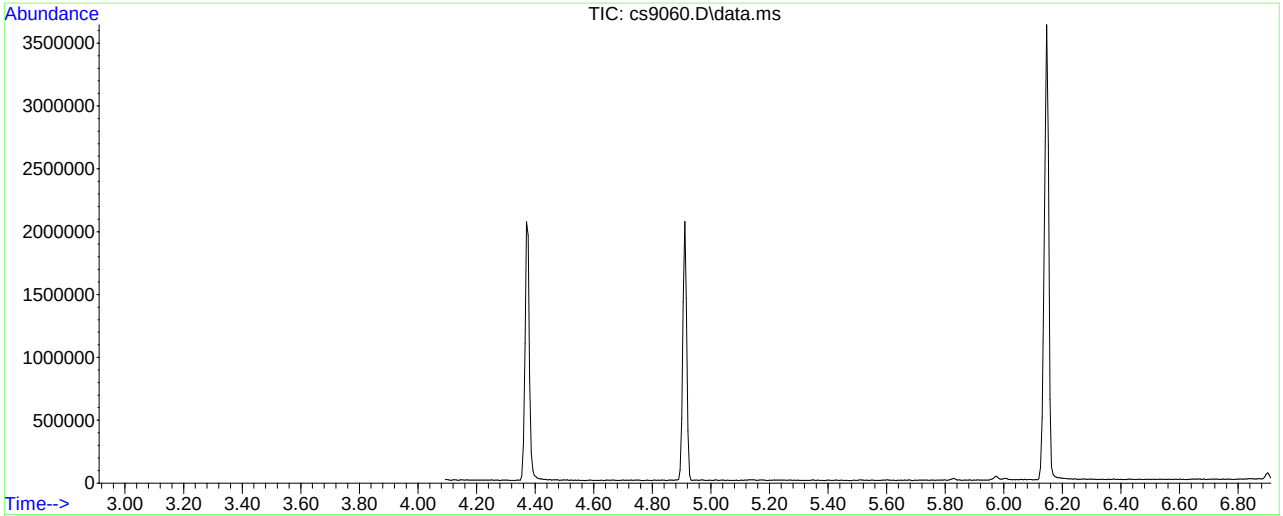
response 491482

Ion	Exp%	Act%
235.00	100	100
165.00	54.30	53.81
237.00	64.80	63.72
0.00	0.00	0.00

DFTPP

Data File : X:\Dayton SVOA GCMS\recheleb\ecs468\cs9060.D Vial: 2
Acq On : 16 Oct 2025 02:29 pm Operator: alejanda
Sample : dftpp Inst : GCMS_CS
Misc : op68079a,ecs468,250,,,1,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : X:\Dayton SVOA G...ethods\dftpp6p.m (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5 15m x .25mm x .25um



AutoFind: Scans 153, 154, 155; Background Corrected with Scan 147

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	47.2	95091	PASS
68	69	0.00	2	1.8	1528	PASS
69	198	0.00	100	41.9	84313	PASS
70	69	0.00	2	0.6	509	PASS
127	198	40	60	56.8	114315	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	201280	PASS
199	198	5	9	6.9	13876	PASS
275	198	10	30	20.1	40493	PASS
365	198	1	100	1.8	3695	PASS
441	443	0.10	100	86.0	18316	PASS
442	198	40	100	57.4	115477	PASS
443	442	17	23	18.4	21305	PASS

cs9060.D dftpp6p.m Fri Oct 17 01:01:54 2025

Average of 4.906 to 4.916 min.: cs9060.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.85	106	52.95	147	63.95	408	78.95	4907
37.00	444	55.00	563	64.95	1990	80.00	4299
38.00	1000	56.00	2956	68.00	1528	81.00	6372
39.00	6806	57.00	6022	69.00	84313	82.00	1677
40.00	270	57.90	310	70.00	509	82.95	2126
41.00	600	58.10	104	72.95	388	83.90	240
44.95	16	58.95	236	74.00	7420	85.05	1268
49.00	416	60.80	229	75.00	12926	85.95	1658
50.00	22656	60.95	755	76.00	4499	86.95	990
50.95	95091	61.95	1214	76.95	102161	87.95	408
52.00	5022	63.00	3523	78.00	6978	88.95	217

Average of 4.906 to 4.916 min.: cs9060.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
91.00	1467	102.95	1366	114.95	396	126.15	660
92.00	1447	103.95	2339	115.95	1564	127.00	114315
93.00	9082	104.95	1971	117.00	17472	128.00	8627
93.95	772	106.00	845	118.00	1247	129.00	39419
95.00	259	107.00	28787	118.85	313	130.00	3220
96.00	789	108.00	4550	119.95	327	130.90	728
96.90	277	109.00	836	122.00	1748	132.00	496
98.00	6484	110.00	58941	123.00	2640	132.90	466
99.00	5305	111.00	8355	123.95	1288	134.00	1225
99.95	517	112.00	1005	125.00	1177	135.00	3524
100.95	3826	113.00	310	125.90	226	135.95	1358

Average of 4.906 to 4.916 min.: cs9060.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
136.95	1516	147.95	4776	157.05	931	167.00	8706
137.95	364	148.95	1146	157.95	783	168.00	4178
139.00	113	149.95	282	158.95	744	169.00	790
139.95	434	150.90	397	160.00	1420	170.00	111
141.00	4549	151.20	201	161.00	2390	170.80	206
141.95	1433	151.80	312	161.90	226	171.05	295
142.95	1219	152.00	256	162.05	558	171.95	811
144.00	121	152.95	1609	163.00	154	173.00	947
144.90	314	153.95	879	163.95	256	174.00	2173
145.95	904	155.05	2523	164.95	1709	175.05	3388
146.95	1934	156.00	3811	165.95	1407	175.95	1213

Average of 4.906 to 4.916 min.: cs9060.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
176.95	1592	188.05	771	198.00	201280	210.00	106
178.05	604	188.95	1644	198.95	13876	210.40	313
178.95	6366	190.20	102	200.05	1064	211.00	1682
180.00	4849	190.95	917	201.55	1003	211.60	273
181.00	2172	192.00	1893	202.95	1234	212.05	266
182.05	423	193.00	2411	204.00	5856	213.00	104
183.85	381	194.00	613	205.00	10556	214.95	398
184.10	196	194.80	219	206.00	46491	215.95	861
185.00	3320	195.10	182	207.00	5882	216.95	11669
186.00	26792	196.00	6791	208.00	1655	218.00	1517
187.00	7006	196.65	967	208.95	577	220.20	135

Average of 4.906 to 4.916 min.: cs9060.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
221.00	10890	231.05	1002	241.00	308	256.00	13645
221.70	621	231.90	112	241.95	996	256.95	975
222.00	472	232.80	124	243.00	1256	258.00	4475
222.95	2603	234.05	517	244.00	18835	258.95	905
224.00	24805	234.95	601	245.05	2461	264.95	1842
225.00	6930	235.90	137	246.00	3266	265.90	293
226.05	509	236.15	266	246.95	483	270.80	127
227.00	8515	236.90	197	248.95	808	272.00	111
227.95	1367	237.05	578	252.95	482	272.20	107
228.95	1941	238.90	265	253.95	698	273.00	2749
230.00	299	240.00	101	255.00	91155	274.00	6181

Average of 4.906 to 4.916 min.: cs9060.D\data.ms

dftpp6p.m Fri Oct 17 00:59:31 2025 Page: 0

dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
275.00	40493	300.90	112	326.70	150	354.05	833
276.00	5383	302.00	225	327.00	409	355.10	109
277.00	2859	303.00	1087	327.90	124	364.95	3695
277.95	528	303.95	307	333.00	275	365.70	141
281.00	150	313.95	484	334.00	1912	366.00	211
282.90	446	315.00	1000	334.95	437	370.90	115
285.10	286	316.05	655	340.95	342	372.00	1630
292.95	738	320.90	160	345.95	677	372.80	203
295.10	108	321.10	106	352.05	941	373.00	141
296.00	9297	323.00	3002	352.80	159	383.00	317
297.00	1285	324.05	514	353.05	641	389.90	139

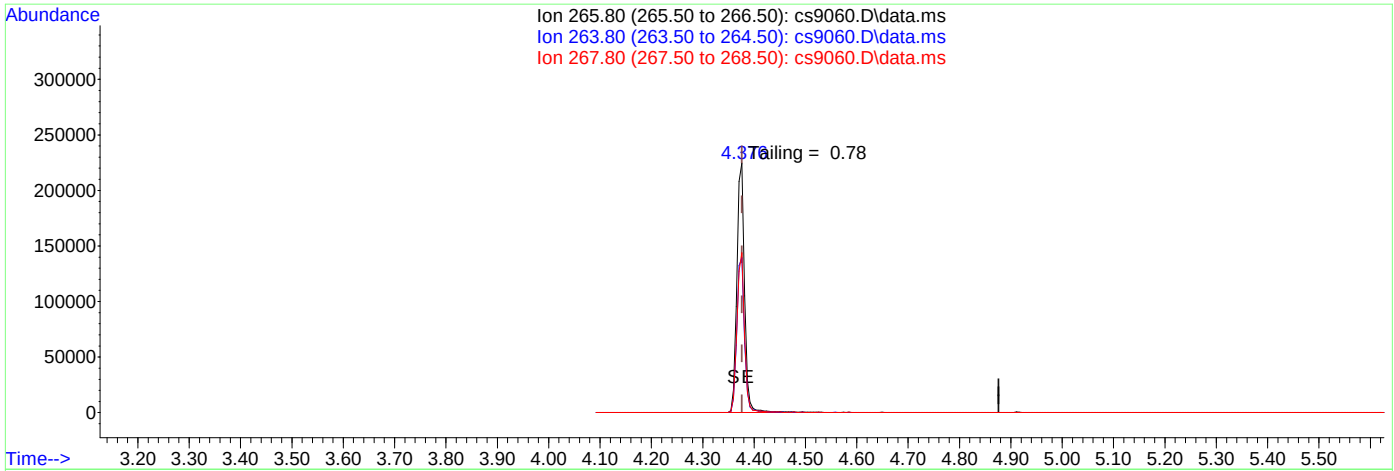
Average of 4.906 to 4.916 min.: cs9060.D\data.ms
dftpp
Modified:subtracted

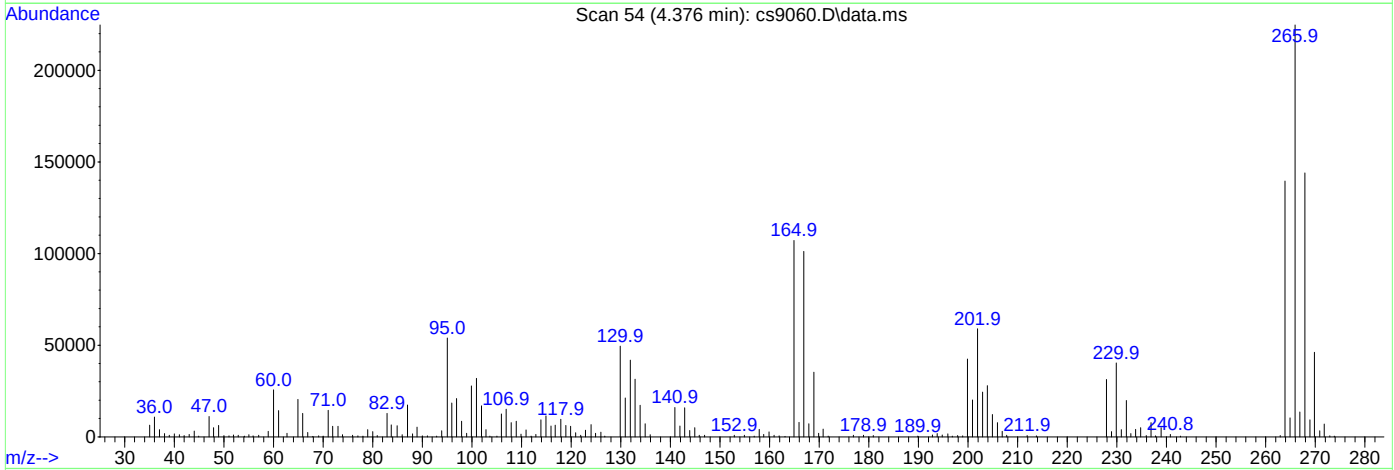
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
401.95	686	444.00	2086				
402.80	142						
402.95	716						
403.90	237						
420.95	942						
422.00	828						
423.00	5379						
424.00	1227						
441.00	18316						
442.00	115477						
443.00	21305						

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\recheleb\ecs468\
Data File : cs9060.D
Acq On : 16 Oct 2025 02:29 pm
Operator : alejanda
Sample : dftpp Inst : GCMS_CS
Misc : op68079a,ecs468,250,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 17 01:05:48 2025
Quant Method : X:\Dayton SVOA GCMS\recheleb\methods\dftpp6p.m
Quant Title : Semi Volatile GC/MS, ZB-5 15m x .25mm x .25um
QLast Update : Fri Oct 17 01:05:32 2025
Response via : Initial Calibration





TIC: cs9060.D\data.ms

(1) Pentachlorophenol (t)

4.376min (0.000) 0.00ppb

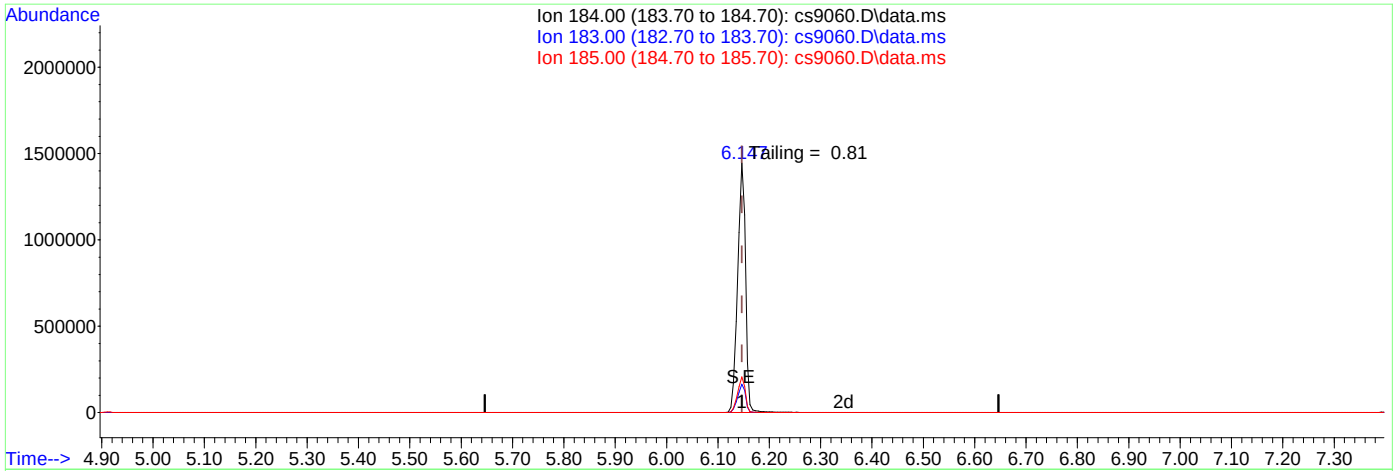
response 229398

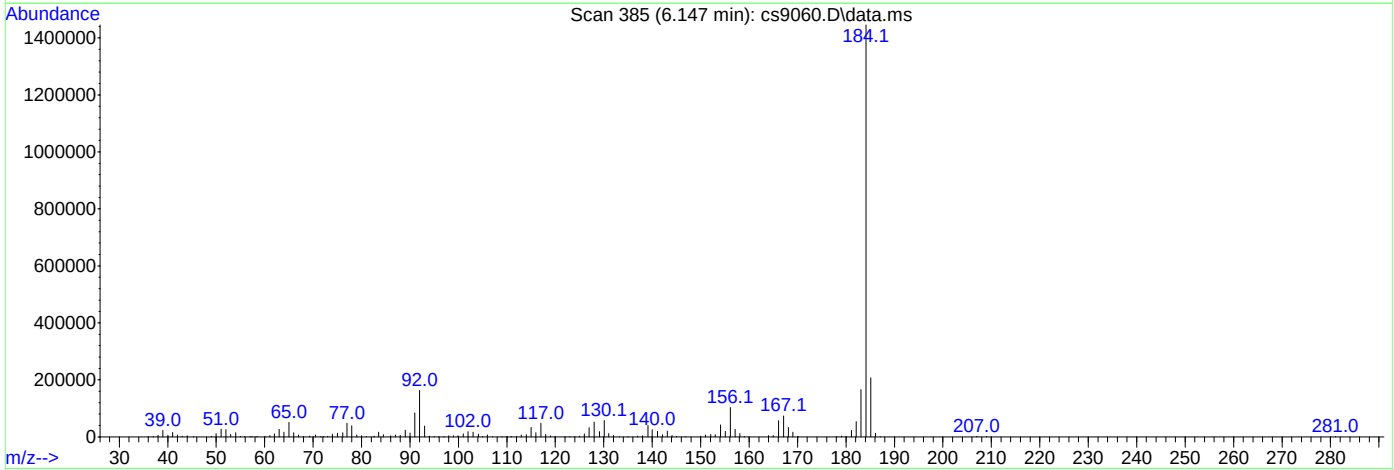
Ion	Exp%	Act%
265.80	100	100
263.80	62.00	62.10
267.80	64.10	64.12
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\recheleb\ecs468\
Data File : cs9060.D
Acq On : 16 Oct 2025 02:29 pm
Operator : alejanda
Sample : dftpp Inst : GCMS_CS
Misc : op68079a,ecs468,250,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 17 01:05:48 2025
Quant Method : X:\Dayton SVOA GCMS\recheleb\methods\dftpp6p.m
Quant Title : Semi Volatile GC/MS, ZB-5 15m x .25mm x .25um
QLast Update : Fri Oct 17 01:05:32 2025
Response via : Initial Calibration





TIC: cs9060.D\data.ms

(2) Benzidine (t)

6.147min (0.000) 0.00ppb

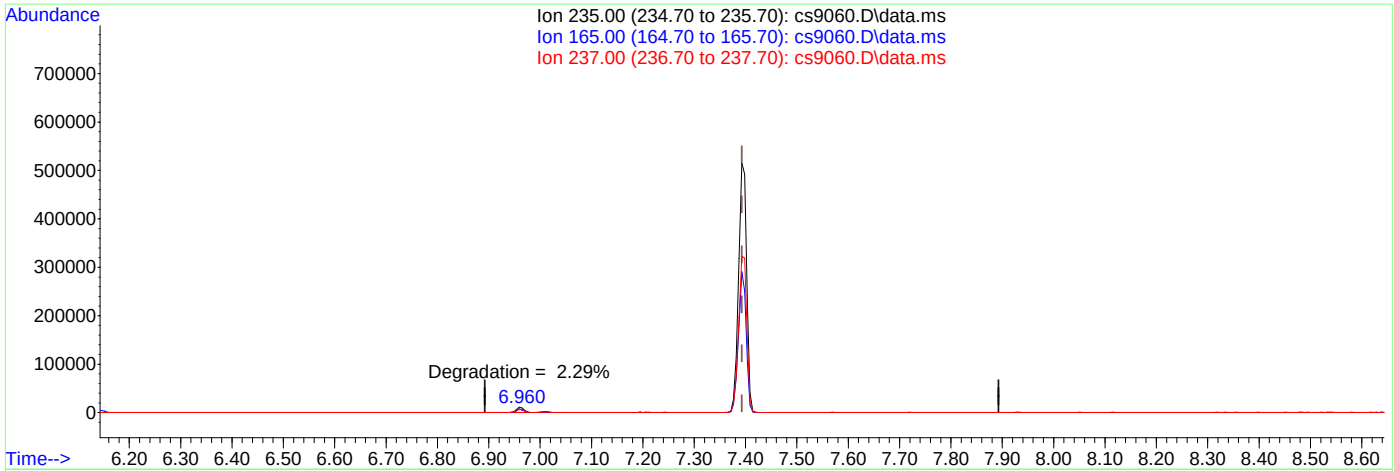
response 1541029

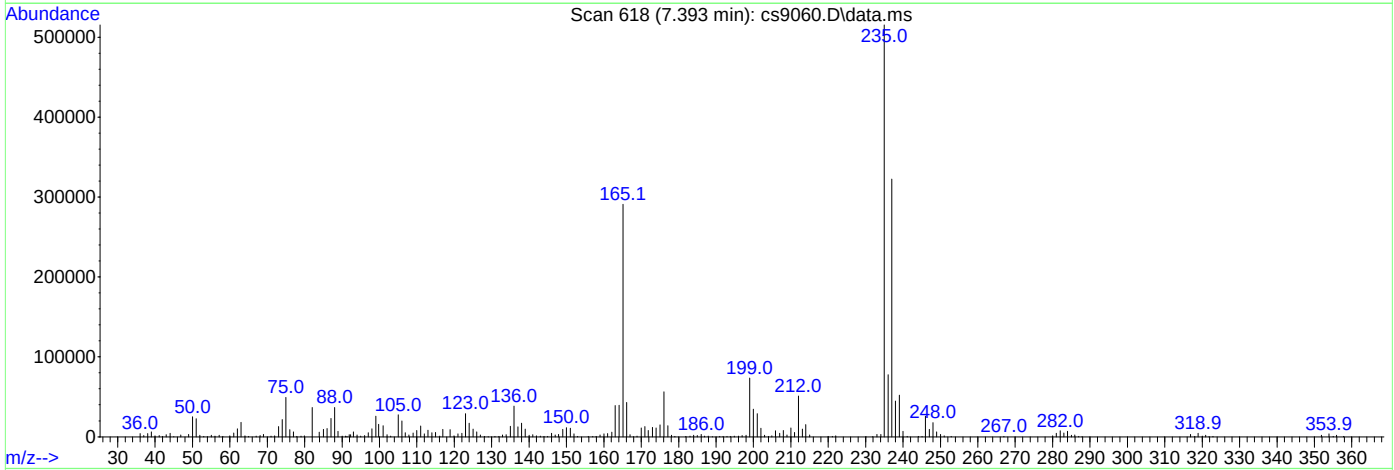
Ion	Exp%	Act%
184.00	100	100
183.00	11.40	11.44
185.00	14.30	14.30
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\recheleb\ecs468\
Data File : cs9060.D
Acq On : 16 Oct 2025 02:29 pm
Operator : alejanda
Sample : dftpp Inst : GCMS_CS
Misc : op68079a,ecs468,250,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 17 01:05:48 2025
Quant Method : X:\Dayton SVOA GCMS\recheleb\methods\dftpp6p.m
Quant Title : Semi Volatile GC/MS, ZB-5 15m x .25mm x .25um
QLast Update : Fri Oct 17 01:05:32 2025
Response via : Initial Calibration





TIC: cs9060.D\data.ms

(3) PP-DDT (t)

7.393min (0.000) 0.00ppb

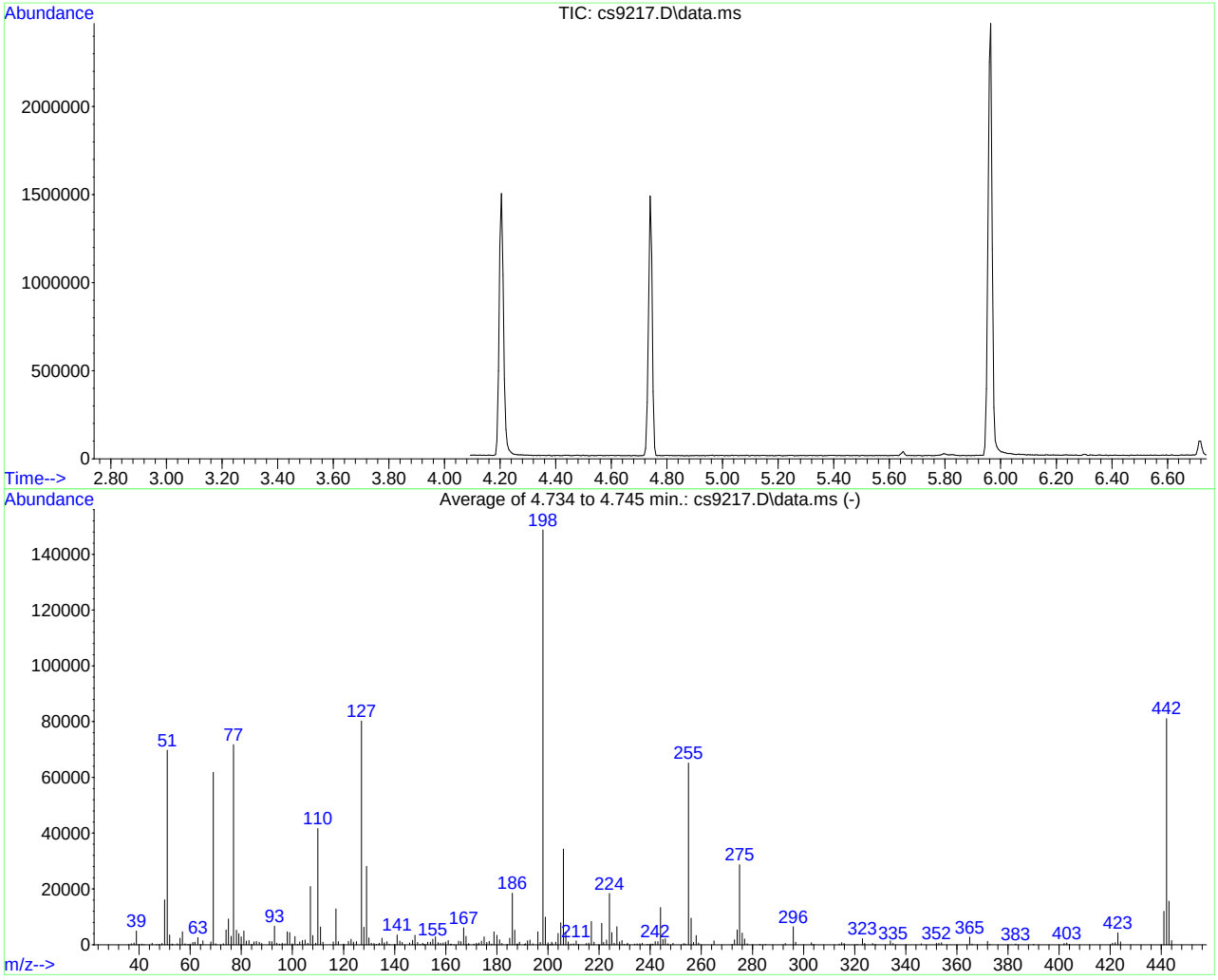
response 557775

Ion	Exp%	Act%
235.00	100	100
165.00	56.40	54.11
237.00	62.50	63.75
0.00	0.00	0.00

DFTPP

Data File : X:\Dayton SVOA GCMS\...10-23\ECS474\cs9217.D Vial: 2
Acq On : 23 Oct 2025 03:45 pm Operator: alejanda
Sample : dftpp Inst : GCMS_CS
Misc : op68274a,ecs474,250,,,1,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : X:\Dayton SVOA G...ethods\dftpp6p.m (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5 15m x .25mm x .25um



AutoFind: Scans 121, 122, 123; Background Corrected with Scan 115

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	46.9	69697	PASS
68	69	0.00	2	1.7	1049	PASS
69	198	0.00	100	41.5	61779	PASS
70	69	0.00	2	0.6	380	PASS
127	198	40	60	54.0	80253	PASS
197	198	0.00	1	0.5	802	PASS
198	198	100	100	100.0	148725	PASS
199	198	5	9	6.7	9926	PASS
275	198	10	30	19.3	28680	PASS
365	198	1	100	1.8	2747	PASS
441	443	0.10	100	77.1	12018	PASS
442	198	40	100	54.6	81136	PASS
443	442	17	23	19.2	15588	PASS

cs9217.D dftpp6p.m Thu Oct 23 16:16:34 2025

Average of 4.734 to 4.745 min.: cs9217.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.95	22	50.00	16086	61.05	811	76.05	3001
36.95	344	51.00	69697	61.90	957	77.00	71725
38.00	627	52.00	3452	63.05	2537	78.05	5167
39.00	4906	52.90	212	64.00	137	79.00	3977
39.90	13	53.10	169	65.00	1406	80.00	2776
41.05	293	55.00	371	68.05	1049	81.00	4931
41.95	8	56.00	2340	69.00	61779	81.95	1281
45.05	514	57.00	4610	70.00	380	83.00	1497
46.90	48	57.95	351	72.95	378	83.90	2
47.90	121	59.10	104	74.00	5294	84.95	1018
48.95	434	60.00	290	75.00	9224	85.90	1168

Average of 4.734 to 4.745 min.: cs9217.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
87.05	885	100.00	334	111.00	6377	128.00	6292
87.95	430	100.95	2928	111.95	878	129.00	28112
90.95	1191	102.00	105	116.00	1052	129.95	2484
91.95	1134	102.90	976	117.00	12857	130.90	496
93.00	6654	103.95	1451	117.95	1076	131.95	467
93.95	500	104.95	1681	120.00	218	132.90	118
94.95	293	106.00	519	121.95	1221	133.80	121
96.05	573	107.00	20848	123.00	1926	134.00	496
97.00	324	108.00	3328	123.95	899	135.00	2308
97.95	4668	109.10	535	125.00	1069	135.95	734
98.95	4372	110.00	41680	127.00	80253	137.05	1098

Average of 4.734 to 4.745 min.: cs9217.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
137.90	144	151.50	161	161.90	171	172.80	126
140.00	195	152.00	140	162.10	251	172.95	627
141.00	3490	152.95	948	163.10	101	173.95	1317
142.00	1322	153.95	938	165.00	1337	175.00	2785
142.95	823	154.95	1927	165.95	1096	176.05	844
145.90	601	156.00	2861	167.00	6087	176.95	1201
147.00	1594	157.05	707	167.95	3006	177.90	279
147.95	3418	157.95	492	168.90	372	178.90	4685
148.95	816	158.95	601	169.10	224	180.00	3415
150.00	106	159.95	951	170.95	250	181.00	1753
150.95	567	160.95	1511	172.00	532	181.95	435

Average of 4.734 to 4.745 min.: cs9217.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
184.10	158	194.05	301	205.00	7838	218.00	925
185.00	2315	196.00	4614	206.00	34277	221.00	7654
186.00	18454	197.00	802	207.00	4581	221.75	807
187.00	5203	198.00	148725	207.95	989	222.95	1685
187.90	160	199.00	9926	208.90	265	224.00	18397
188.05	339	199.95	722	209.95	324	225.00	4386
188.85	936	200.90	130	211.00	1409	225.95	541
190.80	169	201.45	869	212.00	111	227.00	6458
191.10	357	201.80	306	214.95	449	227.95	983
192.00	1384	203.00	906	215.95	658	228.95	1440
192.95	1707	204.00	4040	216.95	8375	229.90	110

Average of 4.734 to 4.745 min.: cs9217.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
230.90	116	243.00	1059	258.00	3292	285.00	199
231.10	562	244.00	13337	258.95	593	292.90	435
233.95	288	245.00	1908	265.00	1352	296.00	6461
234.90	374	245.95	2131	272.00	129	296.95	880
235.90	372	246.95	355	273.00	1812	303.05	759
236.90	532	248.95	493	274.00	5298	303.90	158
238.90	105	253.05	392	275.00	28680	314.00	255
240.05	269	253.85	235	276.00	4140	314.95	753
240.80	137	255.00	65181	276.95	2098	315.90	415
241.00	265	256.00	9456	277.95	355	321.00	119
241.95	1079	256.95	812	283.00	107	323.00	2120

Average of 4.734 to 4.745 min.: cs9217.D\data.ms

dftpp6p.m Thu Oct 23 16:16:21 2025 Page: 0

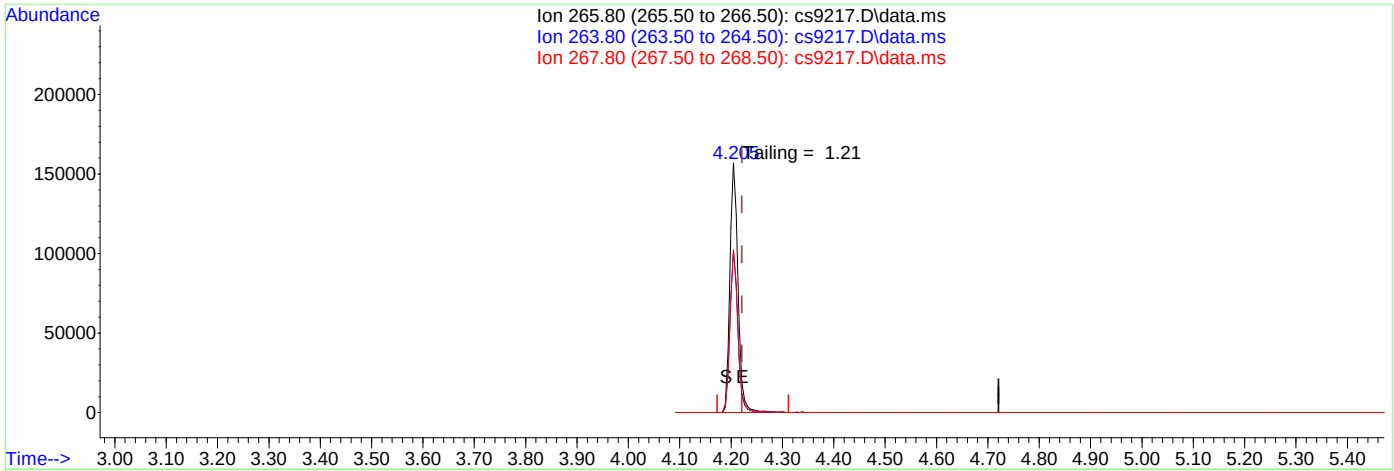
dftpp
Modified:subtracted

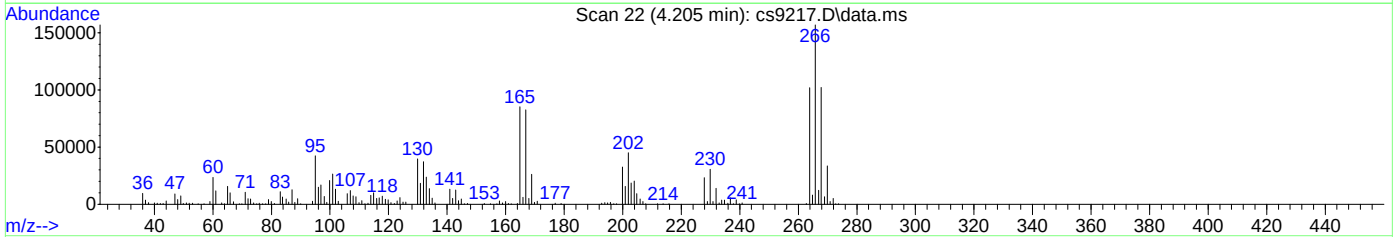
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
323.90	439	372.00	1210	441.00	12018		
326.95	430	372.90	135	442.00	81136		
328.00	130	383.00	254	443.00	15588		
334.00	1418	390.00	113	444.00	1455		
335.00	444	402.00	407				
346.00	315	402.95	622				
352.00	567	404.00	113				
352.95	536	420.95	558				
354.00	721	421.90	709				
364.95	2747	423.00	4271				
365.95	290	424.00	997				

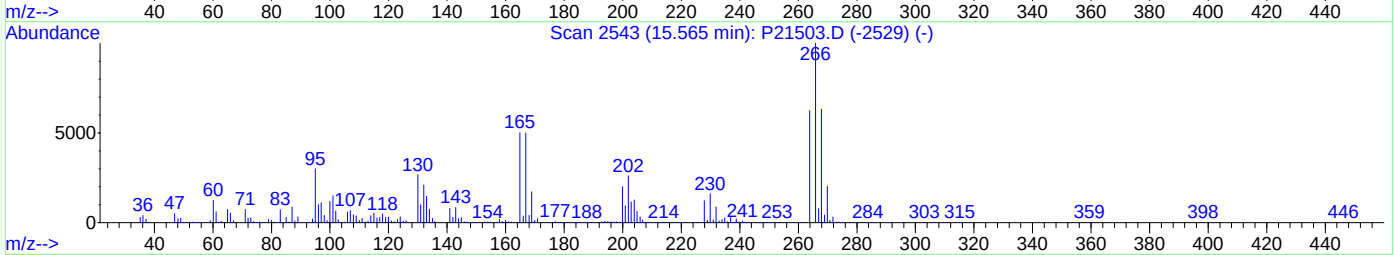
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\Octubre\10-23\ECS474\
Data File : cs9217.D
Acq On : 23 Oct 2025 03:45 pm
Operator : alejanda
Sample : dftpp Inst : GCMS_CS
Misc : op68274a,ecs474,250,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 23 16:15:50 2025
Quant Method : X:\Dayton SVOA GCMS\eibara\Methods\dftpp6p.m
Quant Title : Semi Volatile GC/MS, ZB-5 15m x .25mm x .25um
QLast Update : Fri Mar 15 14:48:12 2024
Response via : Initial Calibration







TIC: cs9217.D\data.ms

(1) Pentachlorophenol (t)

4.205min (-0.016) 0.00ppb

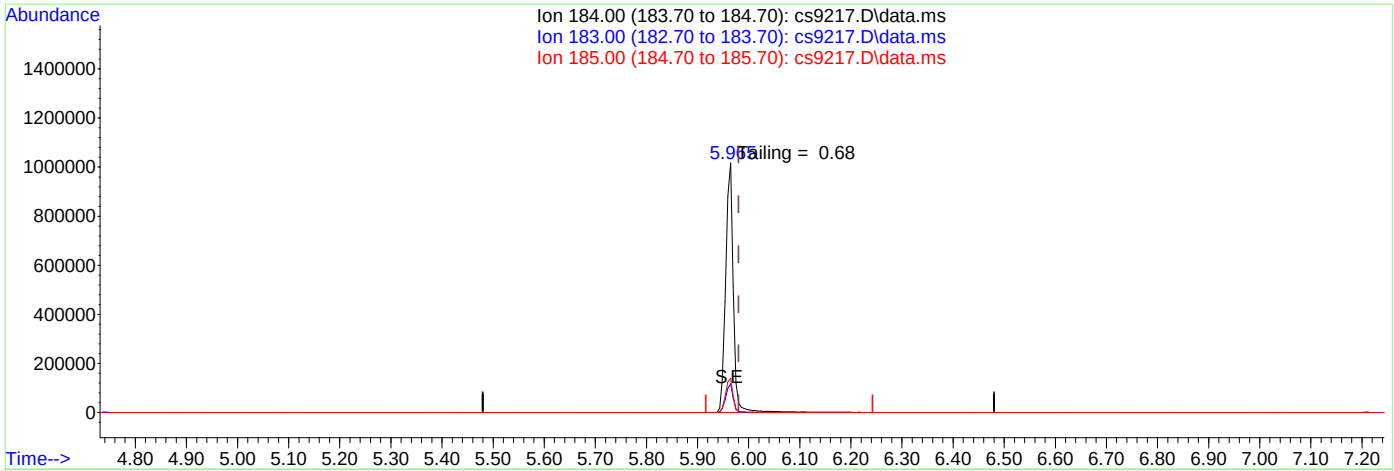
response 173986

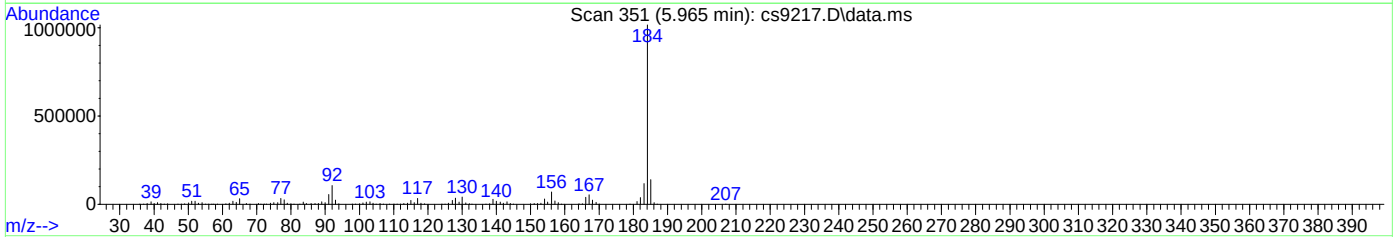
Ion	Exp%	Act%
265.80	100	100
263.80	64.50	64.88
267.80	64.80	65.15
0.00	0.00	0.00

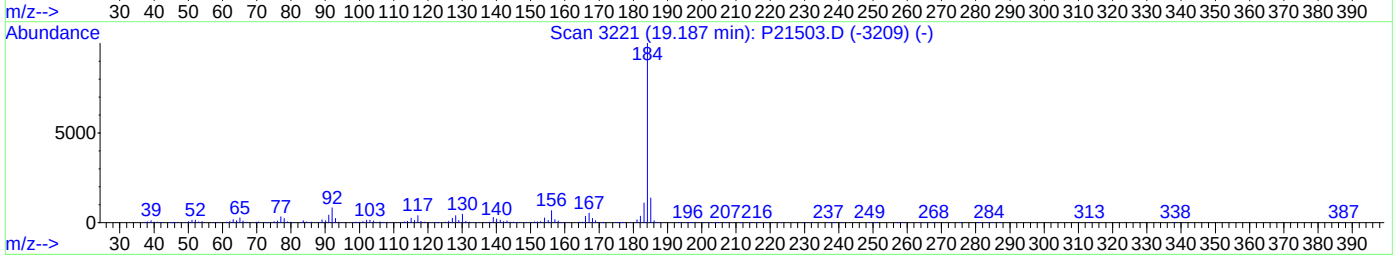
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\Octubre\10-23\ECS474\
Data File : cs9217.D
Acq On : 23 Oct 2025 03:45 pm
Operator : alejanda
Sample : dftpp Inst : GCMS_CS
Misc : op68274a,ecs474,250,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 23 16:15:50 2025
Quant Method : X:\Dayton SVOA GCMS\eibara\Methods\dftpp6p.m
Quant Title : Semi Volatile GC/MS, ZB-5 15m x .25mm x .25um
QLast Update : Fri Mar 15 14:48:12 2024
Response via : Initial Calibration







TIC: cs9217.D\data.ms

(2) Benzidine (t)

5.965min (-0.016) 0.00ppb

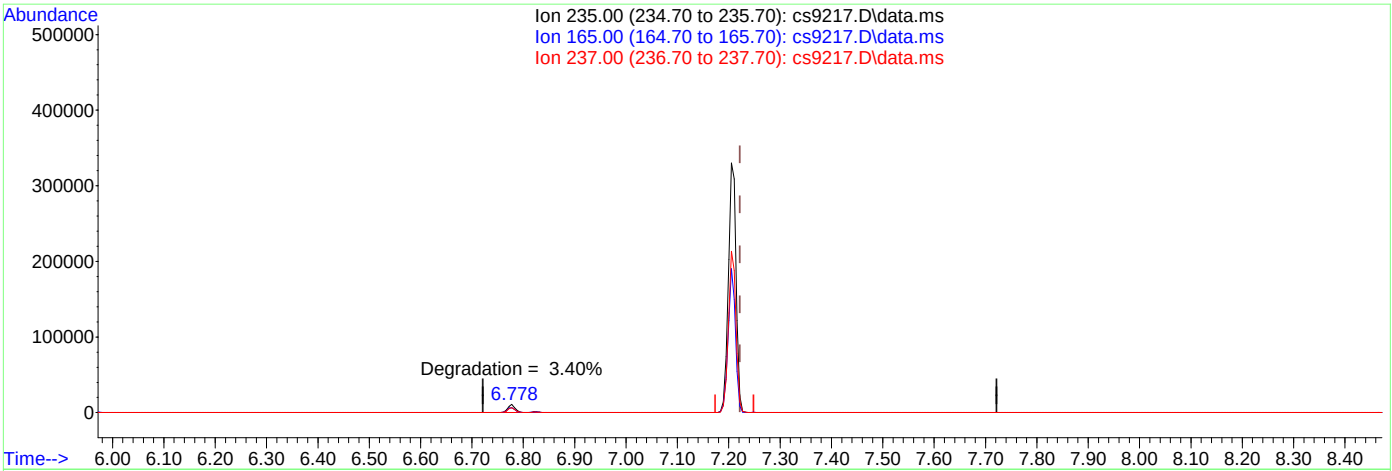
response 1077018

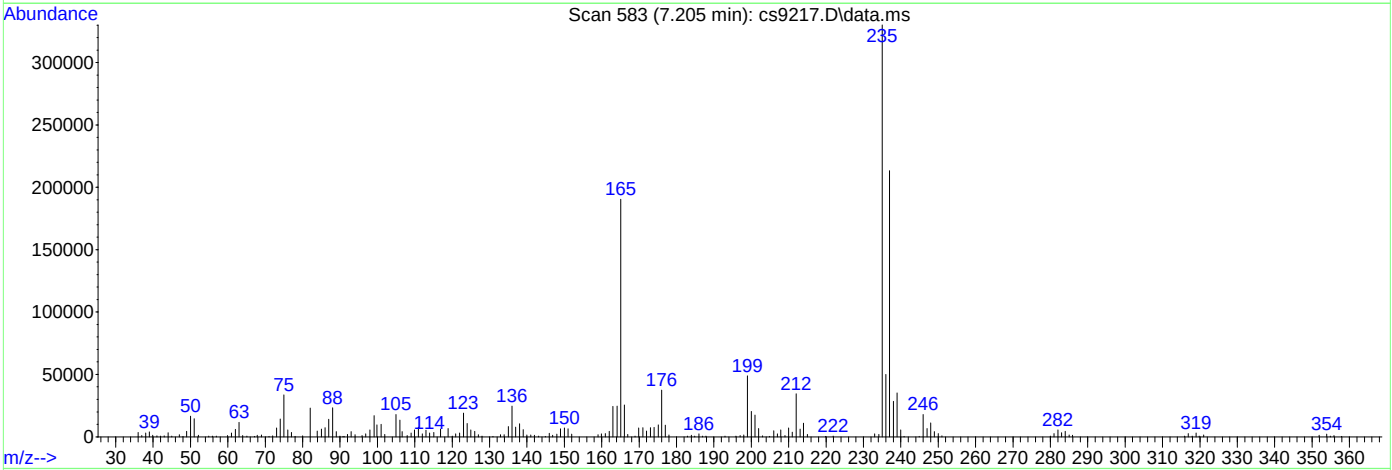
Ion	Exp%	Act%
184.00	100	100
183.00	11.40	11.55
185.00	13.60	13.70
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\Octubre\10-23\ECS474\
Data File : cs9217.D
Acq On : 23 Oct 2025 03:45 pm
Operator : alejanda
Sample : dftpp Inst : GCMS_CS
Misc : op68274a,ecs474,250,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 23 16:15:50 2025
Quant Method : X:\Dayton SVOA GCMS\eibara\Methods\dftpp6p.m
Quant Title : Semi Volatile GC/MS, ZB-5 15m x .25mm x .25um
QLast Update : Fri Mar 15 14:48:12 2024
Response via : Initial Calibration





TIC: cs9217.D\data.ms

(3) PP-DDT (t)

7.205min (-0.016) 0.00ppb

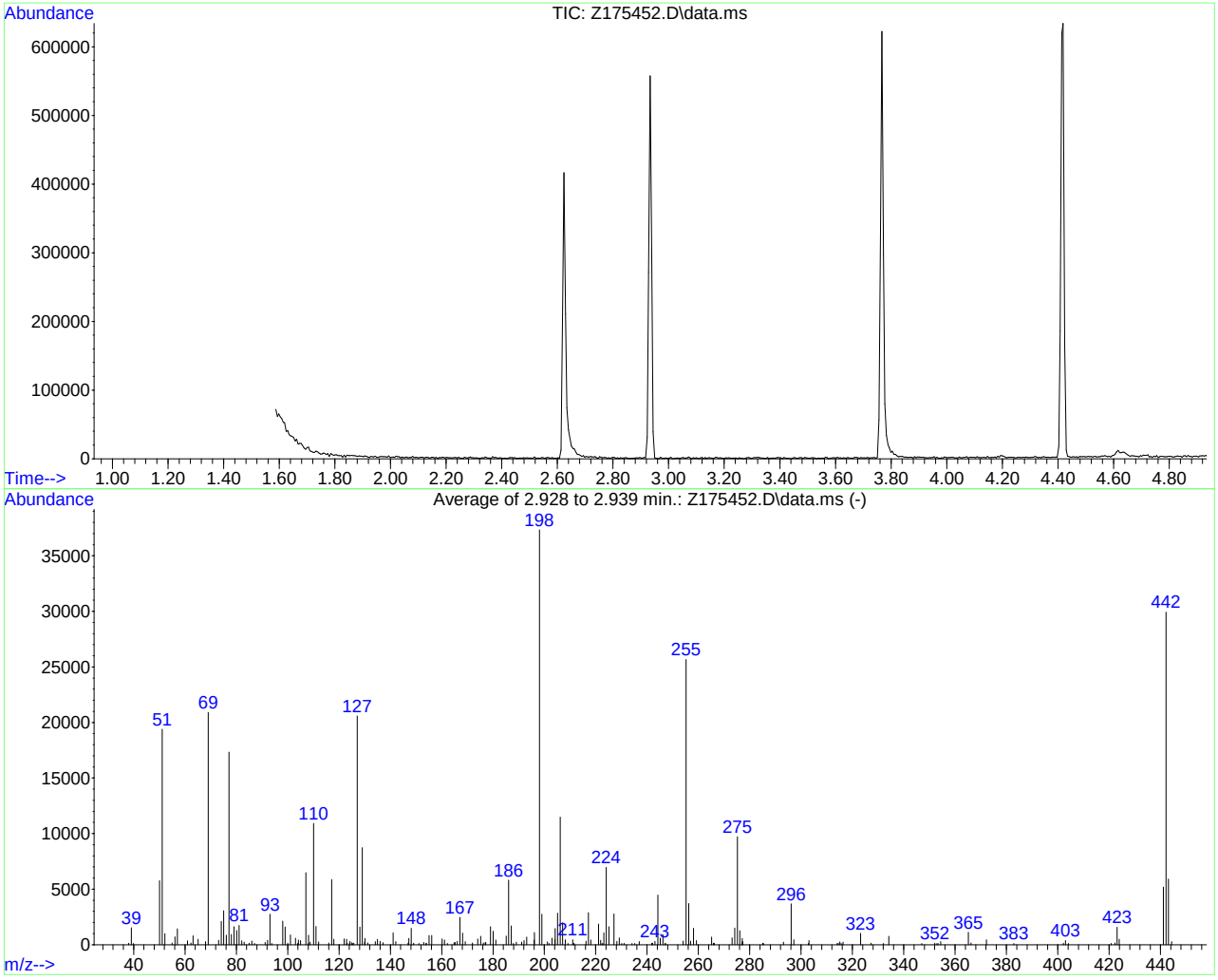
response 345970

Ion	Exp%	Act%
235.00	100	100
165.00	55.40	54.16
237.00	62.60	63.11
0.00	0.00	0.00

DFTPP

Data File : C:\msdchem\1\DATA\EZ8654\Z175452.D Vial: 1
Acq On : 10 Sep 2025 11:31 am Operator: rocquans
Sample : dftpp Inst : GCMSZ
Misc : op66828a,ez8654,250,,,1,1 Multiplr: 1.00
MS Integration Params: events.e

Method : C:\MSDCHEM\1\METHODS\DFTPPZ.M (ChemStation Integrator)
Title : column rtx-5msi 30mx0.25mmx0.25um



AutoFind: Scans 252, 253, 254; Background Corrected with Scan 248

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	52.0	19401	PASS
68	69	0.00	2	1.3	280	PASS
69	198	0.00	100	56.0	20904	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	55.2	20591	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	37320	PASS
199	198	5	9	7.4	2745	PASS
275	198	10	30	26.1	9725	PASS
365	198	1	100	3.0	1119	PASS
441	443	0.01	100	87.9	5183	PASS
442	198	40	100	80.2	29924	PASS
443	442	17	23	19.7	5894	PASS

Z175452.D DFTPPZ.M Wed Sep 10 16:19:48 2025

Average of 2.928 to 2.939 min.: Z175452.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
38.10	127	63.10	797	80.10	1281	98.05	2122
39.10	1514	65.15	493	81.10	1735	99.05	1591
39.90	110	68.00	280	82.10	349	100.00	131
50.10	5754	69.10	20904	83.00	231	101.05	870
51.10	19401	73.15	407	85.00	141	103.10	587
52.15	1000	74.10	2091	86.05	321	103.90	103
55.00	165	75.10	3063	87.10	105	104.20	419
56.10	710	76.15	854	91.20	207	105.05	365
57.00	1416	77.10	17328	92.15	384	107.10	6489
60.95	340	78.10	926	93.10	2754	107.90	120
62.30	161	79.10	1629	93.80	103	108.15	841

Average of 2.928 to 2.939 min.: Z175452.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
108.80	237	124.25	297	135.00	462	153.80	107
110.10	10920	125.00	181	136.05	304	154.00	123
111.05	1632	125.20	107	137.10	183	155.10	818
112.05	251	125.70	124	141.05	1069	156.10	818
116.00	158	127.10	20591	142.10	274	160.15	505
117.10	5849	128.10	1590	146.90	132	161.05	422
118.00	488	129.10	8731	147.15	571	162.20	106
122.00	505	130.00	233	148.10	1479	164.80	175
123.00	503	130.15	572	149.10	124	165.20	215
123.20	140	131.20	151	151.10	107	166.10	304
124.10	142	134.10	282	153.00	209	167.10	2458

Average of 2.928 to 2.939 min.: Z175452.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
168.10	1035	185.10	773	199.05	2745	211.05	448
169.15	271	186.10	5818	201.15	247	211.30	110
172.00	157	187.10	1701	201.80	106	211.60	103
174.05	526	187.90	110	203.00	592	216.20	332
175.20	752	189.10	232	204.10	460	217.15	2896
176.20	155	191.15	223	204.25	1458	218.10	428
176.90	171	192.10	372	205.15	2845	221.10	1869
177.10	207	193.15	688	206.15	11485	221.95	396
179.05	1611	196.00	431	207.15	1979	222.40	105
180.05	1211	196.15	1102	208.10	441	222.70	121
181.05	413	198.10	37320	209.20	111	223.20	1062

Average of 2.928 to 2.939 min.: Z175452.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
224.10	6957	242.10	126	258.10	1478	277.30	280
225.15	1609	243.05	292	259.20	378	285.00	138
227.15	2773	244.20	4479	265.15	692	285.30	106
228.25	293	245.10	586	265.90	125	293.10	236
229.15	605	246.15	902	266.20	124	296.15	3673
230.10	100	247.00	114	273.15	616	297.15	437
231.00	145	247.20	114	274.15	1505	302.90	114
234.20	103	254.00	331	275.15	9725	303.10	374
235.20	114	255.15	25660	276.10	1257	314.10	107
236.95	282	256.20	3709	276.90	172	314.50	128
241.80	122	257.00	318	277.10	555	315.05	261

Average of 2.928 to 2.939 min.: Z175452.D\data.ms
dftpp
Modified:subtracted

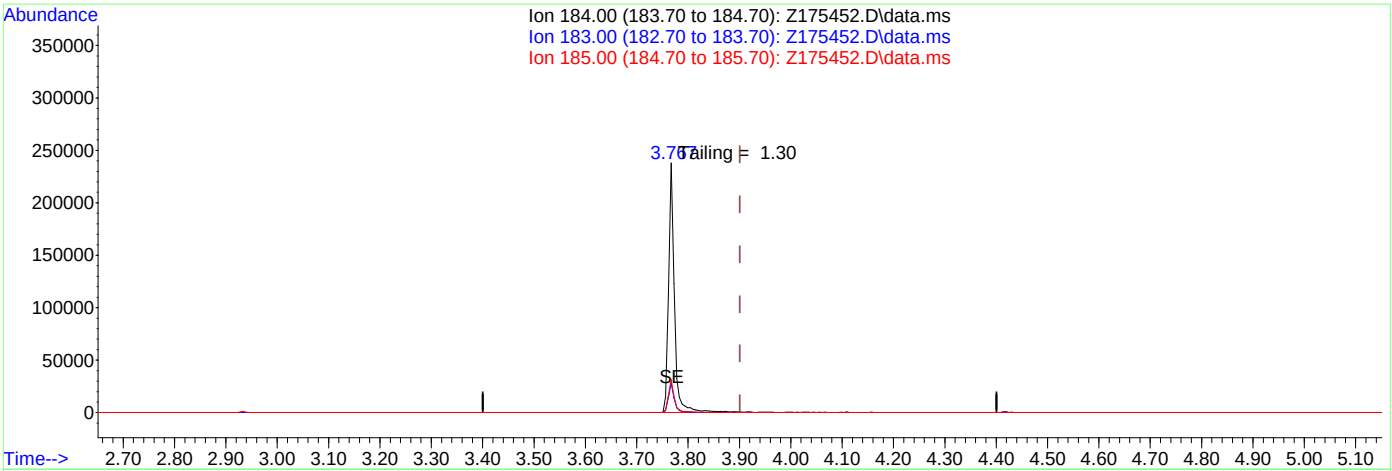
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
315.60	118	365.10	1119	441.10	5183		
316.30	219	366.20	159	442.10	29924		
323.15	1016	372.15	439	443.10	5894		
327.20	124	382.90	114	444.30	288		
332.10	102	402.10	132				
334.15	754	402.95	381				
347.00	110	404.10	114				
352.10	135	420.80	103				
352.90	120	422.20	160				
353.30	103	423.05	1567				
354.35	276	423.95	487				

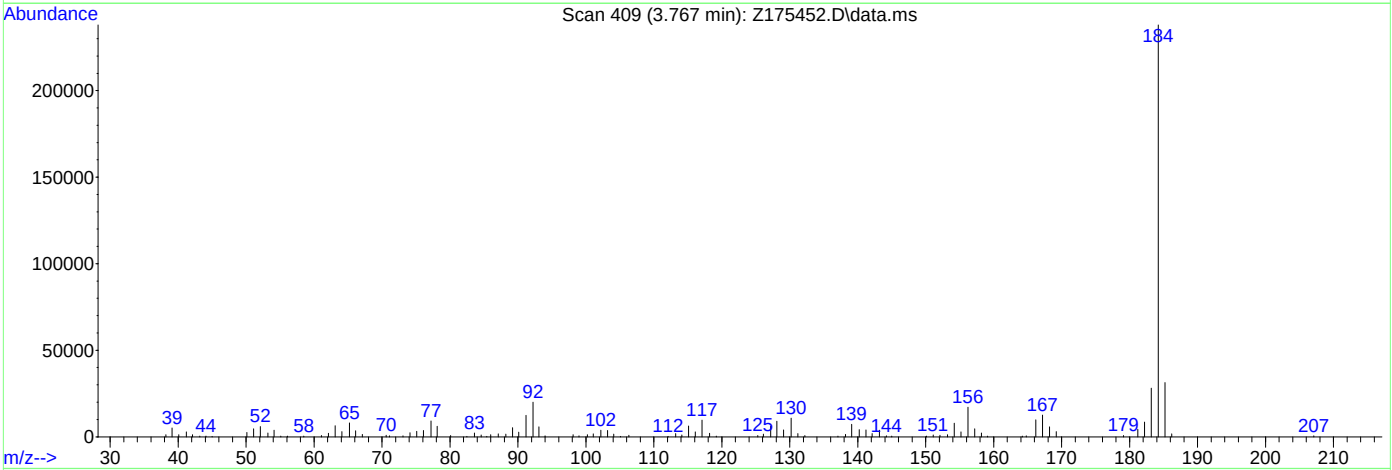
DFTPPZ.M Wed Sep 10 16:19:31 2025 Page: 0

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175452.D
Acq On : 10 Sep 2025 11:31 am
Operator : rocquans
Sample : dftpp
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 10 11:37:44 2025
Quant Method : C:\MSDCHEM\1\METHODS\DFTPPZ.M
Quant Title : column rtx-5msi 30mx0.25mmx0.25um
QLast Update : Wed Jan 15 15:14:36 2025
Response via : Initial Calibration





TIC: Z175452.D\data.ms

(2) Benzidine

3.767min (-0.134) 10.42 m

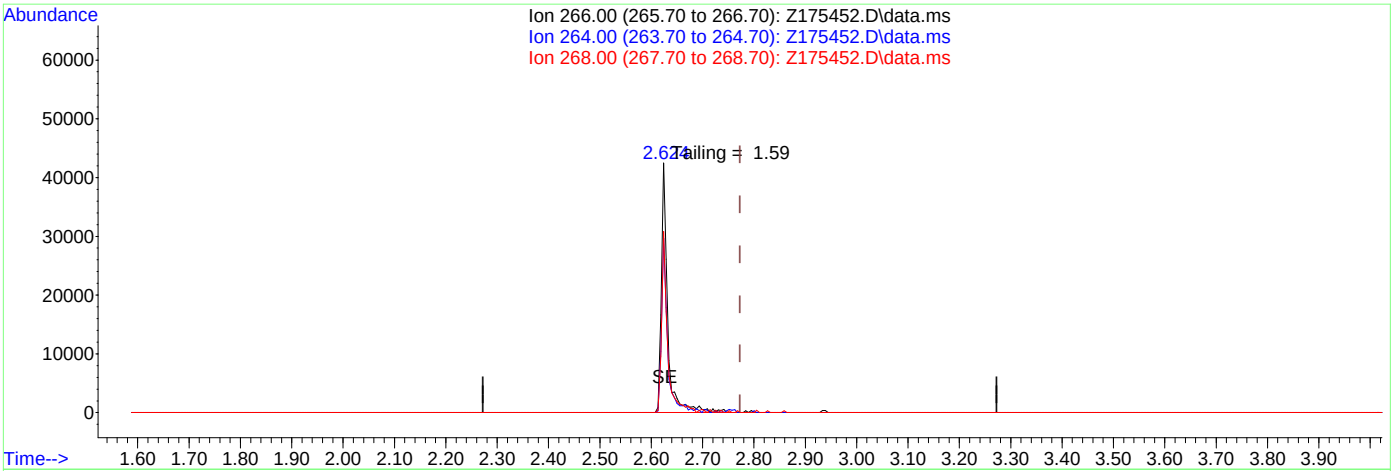
response 1880148

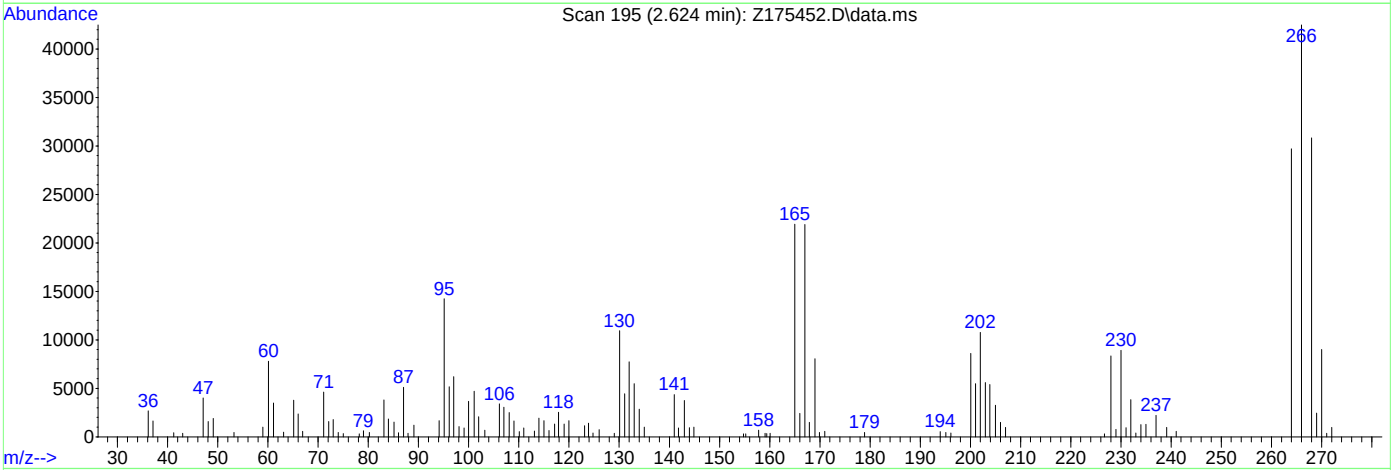
Ion	Exp%	Act%
184.00	100	100
183.00	12.40	0.00#
185.00	14.10	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175452.D
Acq On : 10 Sep 2025 11:31 am
Operator : rocquans
Sample : dftpp
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 10 11:37:44 2025
Quant Method : C:\MSDCHEM\1\METHODS\DFTPPZ.M
Quant Title : column rtx-5msi 30mx0.25mmx0.25um
QLast Update : Wed Jan 15 15:14:36 2025
Response via : Initial Calibration





TIC: Z175452.D\data.ms

(1) Pentachlorophenol

2.624min (-0.149) 12.10 m

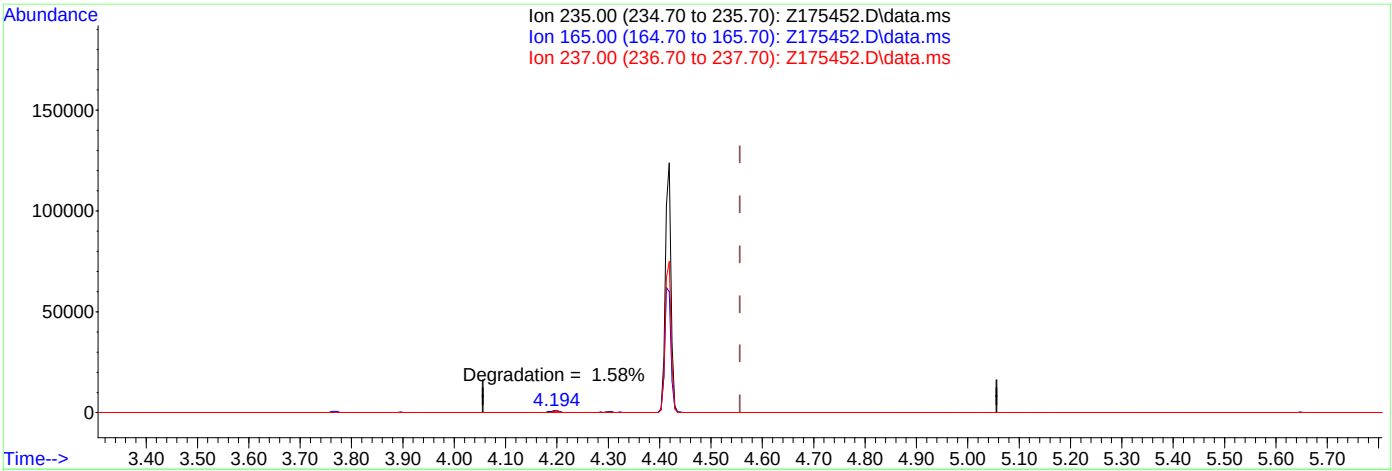
response 370953

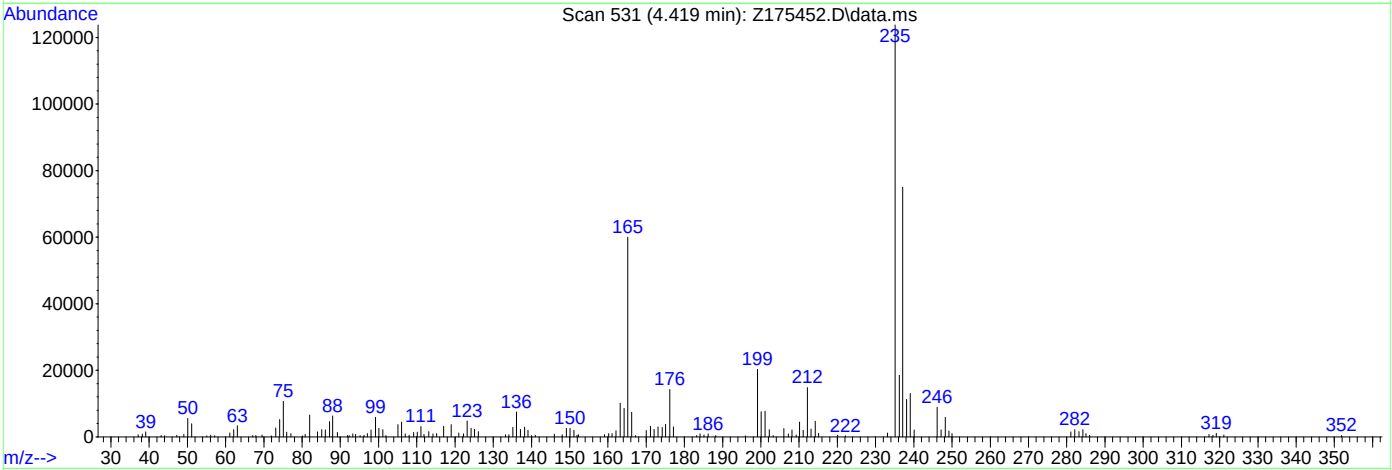
Ion	Exp%	Act%
266.00	100	100
264.00	66.20	0.00#
268.00	69.90	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175452.D
Acq On : 10 Sep 2025 11:31 am
Operator : rocquans
Sample : dftpp
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 10 11:37:44 2025
Quant Method : C:\MSDCHEM\1\METHODS\DFTPPZ.M
Quant Title : column rtx-5msi 30mx0.25mmx0.25um
QLast Update : Wed Jan 15 15:14:36 2025
Response via : Initial Calibration





TIC: Z175452.D\data.ms

(3) PP-DDT

4.419min (-0.137) 11.15 m

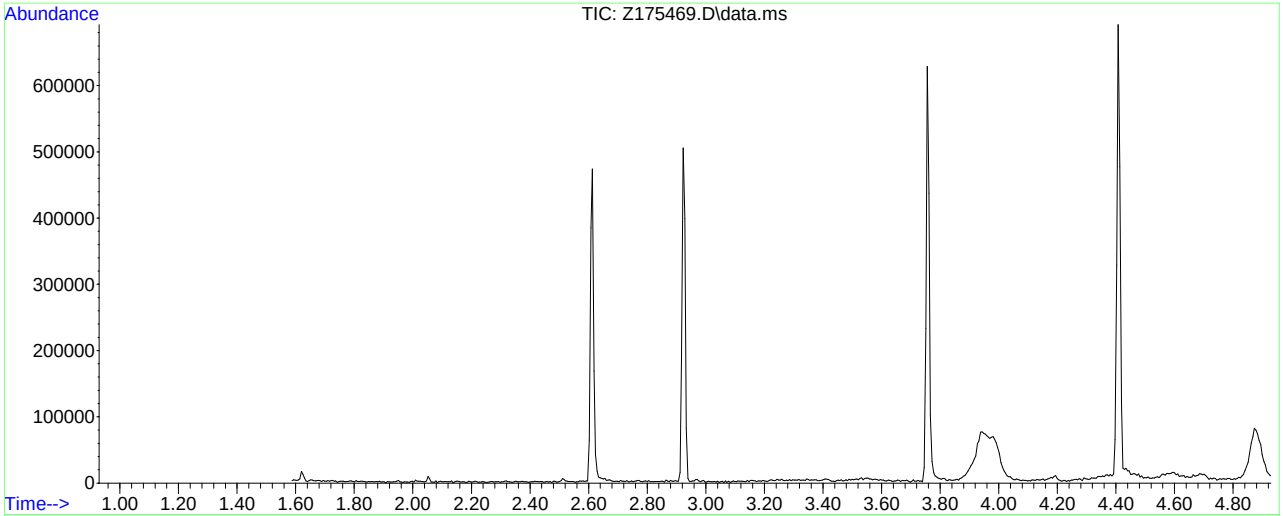
response 938805

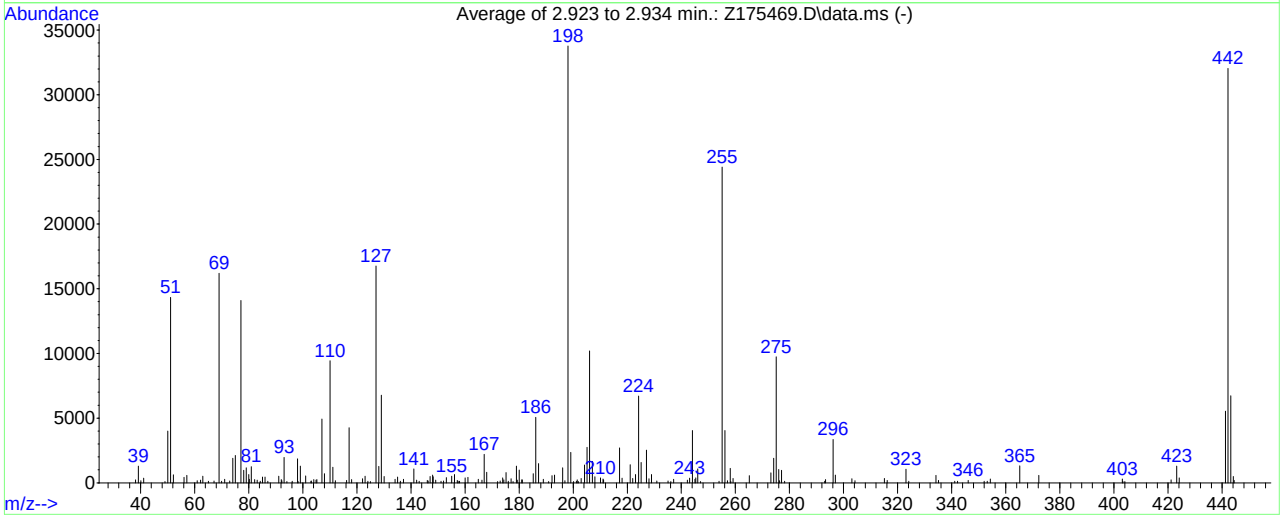
Ion	Exp%	Act%
235.00	100	100
165.00	41.90	0.00#
237.00	63.40	0.00#
0.00	0.00	0.00

DFTPP

Data File : C:\msdchem\1\DATA\EZ8655\Z175469.D Vial: 1
Acq On : 11 Sep 2025 12:40 pm Operator: rocquans
Sample : dftpp Inst : GCMSZ
Misc : op66828a,ez8655,250,,,1,1 Multiplr: 1.00
MS Integration Params: events.e

Method : C:\MSDCHEM\1\METHODS\DFTPPZ.M (ChemStation Integrator)
Title : column rtx-5msi 30mx0.25mmx0.25um





AutoFind: Scans 251, 252, 253; Background Corrected with Scan 247

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	42.5	14332	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	48.0	16202	PASS
70	69	0.00	2	0.8	129	PASS
127	198	40	60	49.6	16760	PASS
197	198	0.00	1	0.5	160	PASS
198	198	100	100	100.0	33761	PASS
199	198	5	9	7.0	2355	PASS
275	198	10	30	28.9	9747	PASS
365	198	1	100	3.9	1321	PASS
441	443	0.01	100	82.6	5547	PASS
442	198	40	100	94.9	32045	PASS
443	442	17	23	21.0	6719	PASS

Z175469.D DFTPPZ.M Thu Sep 11 16:47:42 2025

Average of 2.923 to 2.934 min.: Z175469.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
38.20	222	62.20	198	78.15	966	91.10	517
39.20	1280	63.05	500	79.10	1156	92.10	253
40.10	167	65.10	127	80.00	649	92.30	161
41.15	361	67.20	139	80.20	265	93.10	1964
49.10	106	69.10	16202	81.00	1255	94.10	105
50.10	4003	70.00	129	82.25	256	96.10	110
51.10	14332	71.10	276	83.20	197	98.10	1855
52.15	615	73.00	145	84.30	127	98.30	102
56.05	417	74.15	1907	85.15	437	99.10	1280
57.10	579	75.10	2104	86.10	436	101.05	522
61.00	166	77.15	14105	87.10	129	103.00	130

Average of 2.923 to 2.934 min.: Z175469.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
103.20	132	118.10	242	136.10	116	151.10	115
104.10	261	122.15	312	137.20	273	152.10	136
104.90	211	123.05	505	141.05	1073	153.10	408
105.20	245	124.10	124	142.10	202	155.10	505
107.10	4922	125.00	106	143.10	110	156.15	642
108.05	707	127.10	16760	146.10	180	157.10	177
110.10	9437	128.10	1279	146.40	148	157.50	118
111.10	1194	129.10	6762	147.10	482	158.00	110
112.10	162	130.10	481	148.00	606	160.05	382
116.20	179	134.10	266	148.20	475	161.10	428
117.10	4258	135.05	449	149.15	212	164.95	263

Average of 2.923 to 2.934 min.: Z175469.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
166.30	204	179.05	1281	193.10	603	205.10	2732
167.10	2209	179.30	203	196.15	1168	206.10	10203
168.05	808	180.00	977	196.90	160	207.10	1658
172.10	101	181.00	222	198.10	33761	208.05	465
173.00	133	181.20	223	199.10	2355	210.15	372
173.95	377	185.20	715	200.20	108	211.00	295
174.30	236	186.15	5053	201.20	114	211.20	237
175.15	788	187.15	1481	201.45	218	217.10	2702
176.00	116	189.00	268	201.90	102	218.05	354
177.05	311	190.90	102	202.95	336	221.05	1400
177.80	105	192.15	557	204.15	1380	222.05	336

Average of 2.923 to 2.934 min.: Z175469.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
223.05	647	243.05	367	258.30	104	293.35	243
224.15	6712	244.10	4035	259.15	329	296.10	3345
225.15	1564	245.00	272	265.10	546	296.95	606
227.05	2526	245.30	377	273.15	765	303.05	317
228.00	311	246.10	1070	274.20	1896	304.20	165
229.00	638	247.10	104	275.10	9747	315.10	333
230.90	137	253.90	125	276.05	1036	316.10	183
235.10	138	255.10	24400	276.30	168	323.10	1051
236.10	102	256.10	4044	277.10	966	324.10	111
237.15	279	257.00	163	278.20	116	334.20	581
242.20	211	258.10	1123	293.00	116	335.10	182

Average of 2.923 to 2.934 min.: Z175469.D\data.ms
dftpp
Modified:subtracted

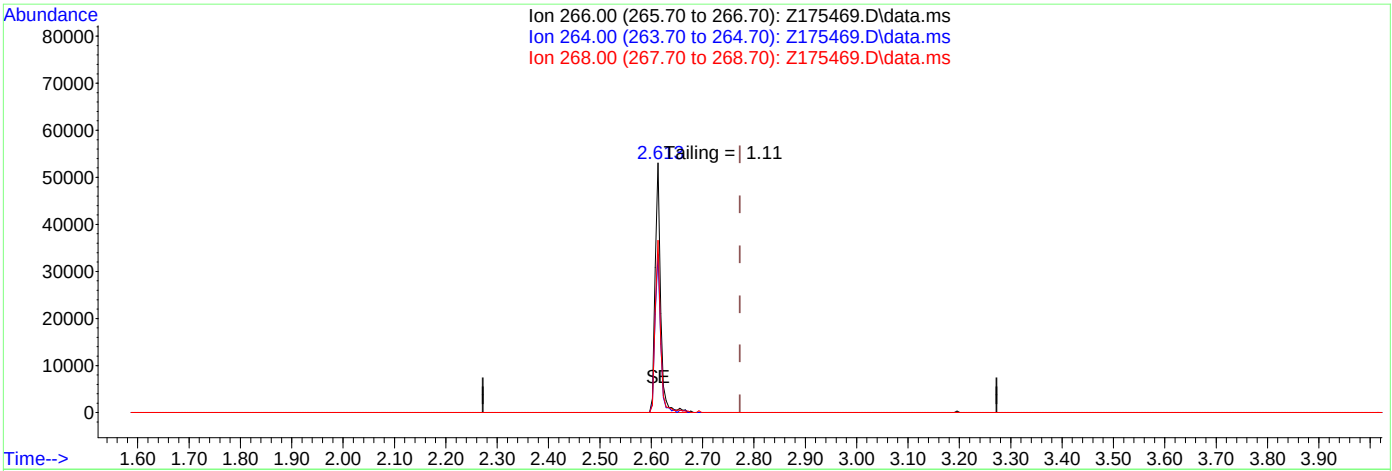
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
341.10	115	421.10	218				
342.10	110	423.15	1301				
346.10	187	424.15	377				
352.00	125	441.20	5547				
353.10	117	442.10	32045				
354.30	302	443.15	6719				
365.10	1321	444.10	478				
372.15	581	444.40	187				
403.10	288						
403.30	108						
404.00	108						

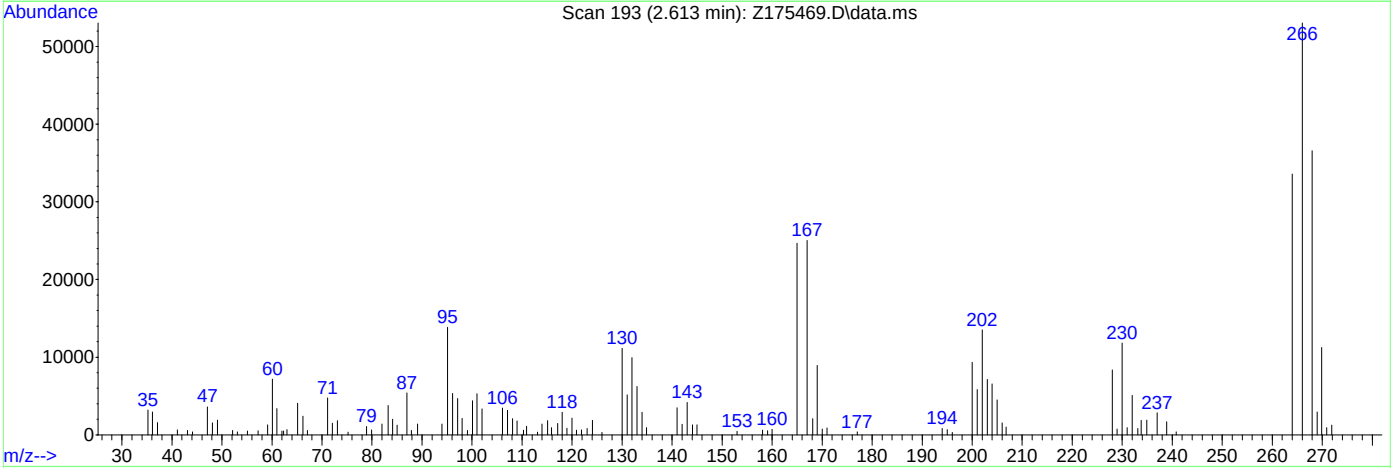
DFTPPZ.M Thu Sep 11 16:47:28 2025 Page: 0

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8655\
Data File : Z175469.D
Acq On : 11 Sep 2025 12:40 pm
Operator : rocquans
Sample : dftpp
Misc : op66828a,ez8655,250,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 11 12:46:11 2025
Quant Method : C:\MSDCHEM\1\METHODS\DFTPPZ.M
Quant Title : column rtx-5msi 30mx0.25mmx0.25um
QLast Update : Wed Jan 15 15:14:36 2025
Response via : Initial Calibration





TIC: Z175469.D\data.ms

(1) Pentachlorophenol

2.613min (-0.159) 12.75 m

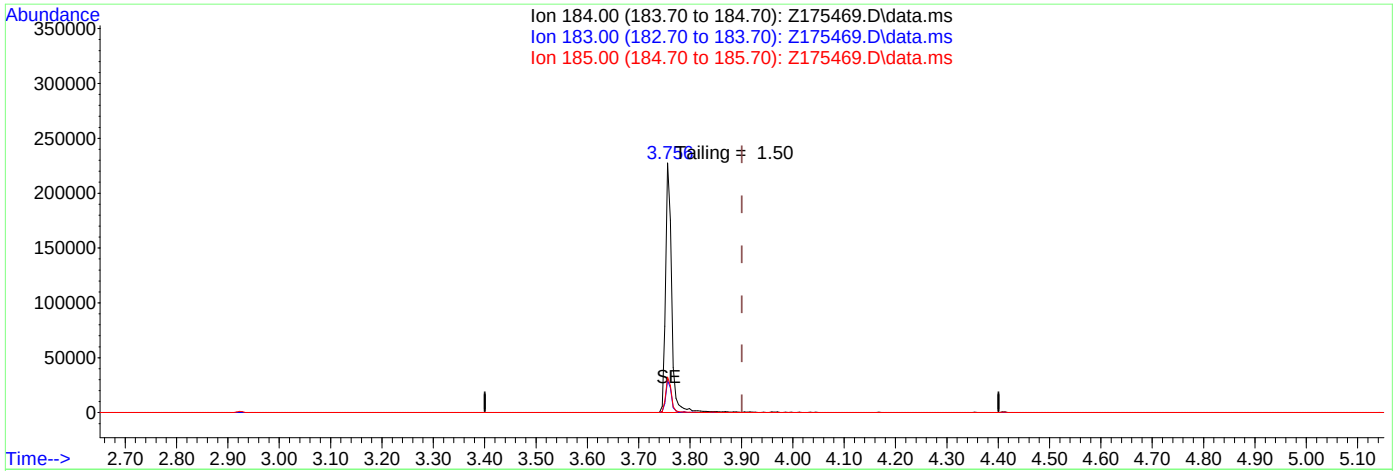
response 390731

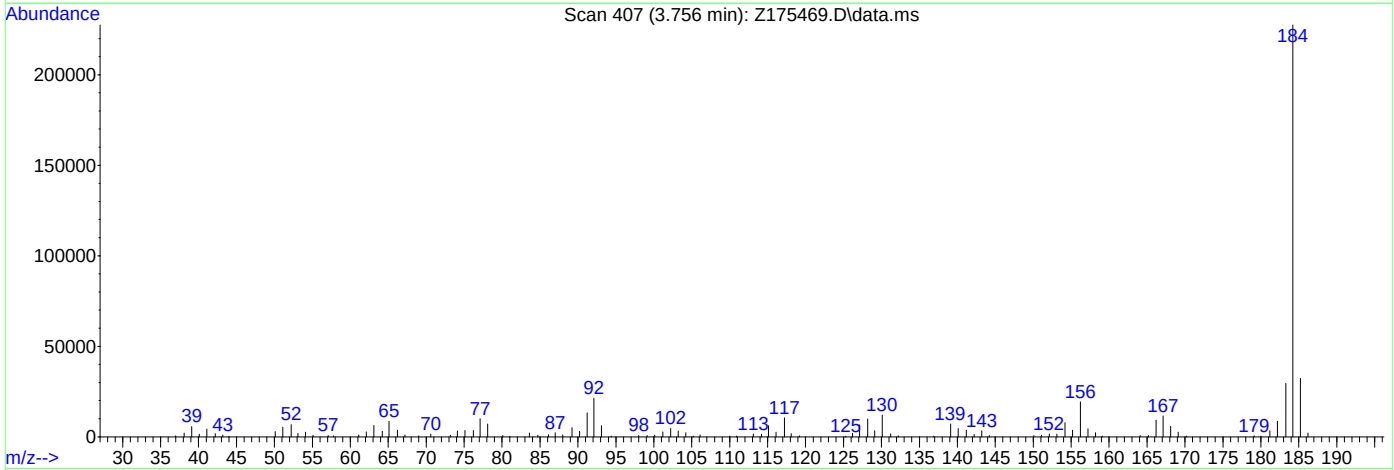
Ion	Exp%	Act%
266.00	100	100
264.00	66.20	0.00#
268.00	69.90	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8655\
Data File : Z175469.D
Acq On : 11 Sep 2025 12:40 pm
Operator : rocquans
Sample : dftpp
Misc : op66828a,ez8655,250,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 11 12:46:11 2025
Quant Method : C:\MSDCHEM\1\METHODS\DFTPPZ.M
Quant Title : column rtx-5msi 30mx0.25mmx0.25um
QLast Update : Wed Jan 15 15:14:36 2025
Response via : Initial Calibration





TIC: Z175469.D\data.ms

(2) Benzidine

3.756min (-0.144) 10.29 m

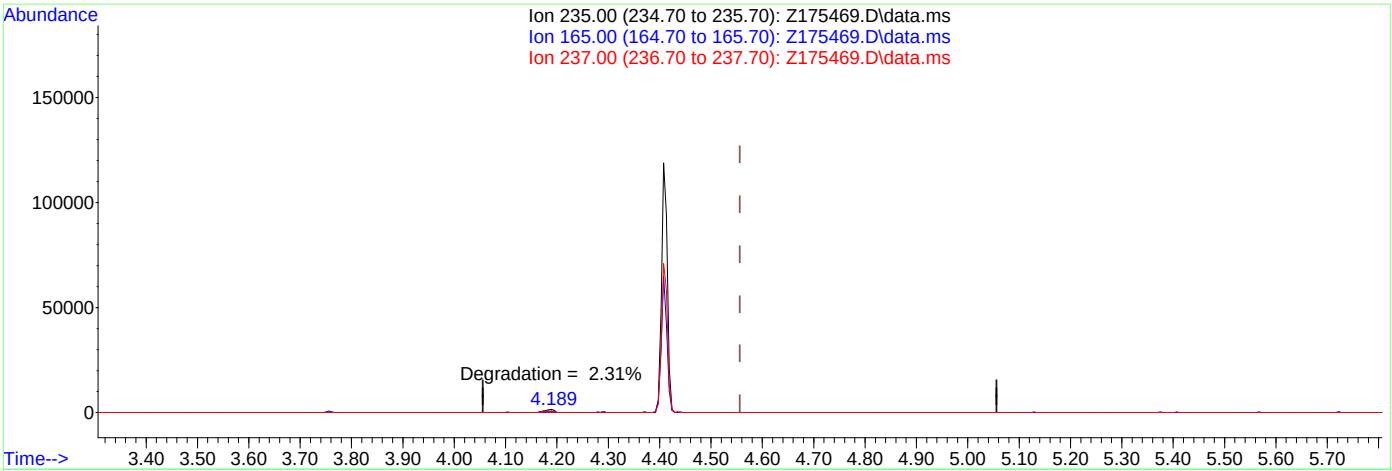
response 1857629

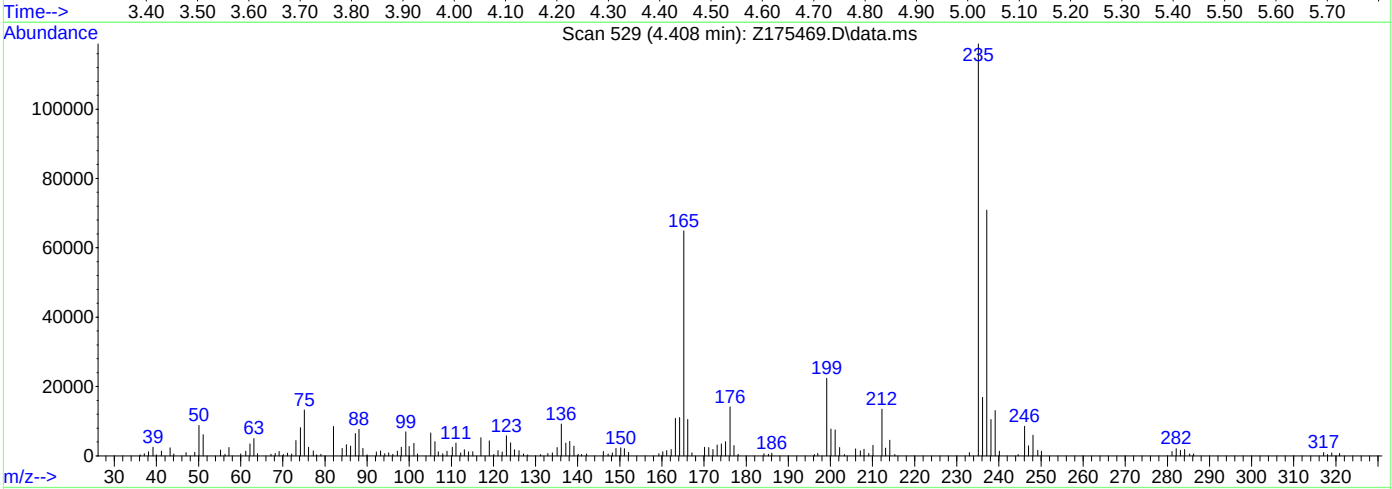
Ion	Exp%	Act%
184.00	100	100
183.00	12.40	0.00#
185.00	14.10	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8655\
Data File : Z175469.D
Acq On : 11 Sep 2025 12:40 pm
Operator : rocquans
Sample : dftpp
Misc : op66828a,ez8655,250,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 11 12:46:11 2025
Quant Method : C:\MSDCHEM\1\METHODS\DFTPPZ.M
Quant Title : column rtx-5msi 30mx0.25mmx0.25um
QLast Update : Wed Jan 15 15:14:36 2025
Response via : Initial Calibration





TIC: Z175469.D\data.ms

(3) PP-DDT

4.408min (-0.148) 11.05 m

response 930232

Ion	Exp%	Act%
235.00	100	100
165.00	41.90	0.00#
237.00	63.40	0.00#
0.00	0.00	0.00

Manual Integrations APPROVED
(compounds with "m" flag)
Ying Li
09/18/25 10:52

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8568.D
Acq On : 17 Sep 2025 11:28 am
Operator : rocquans
Sample : ic446-0.002
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 17 16:21:34 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration

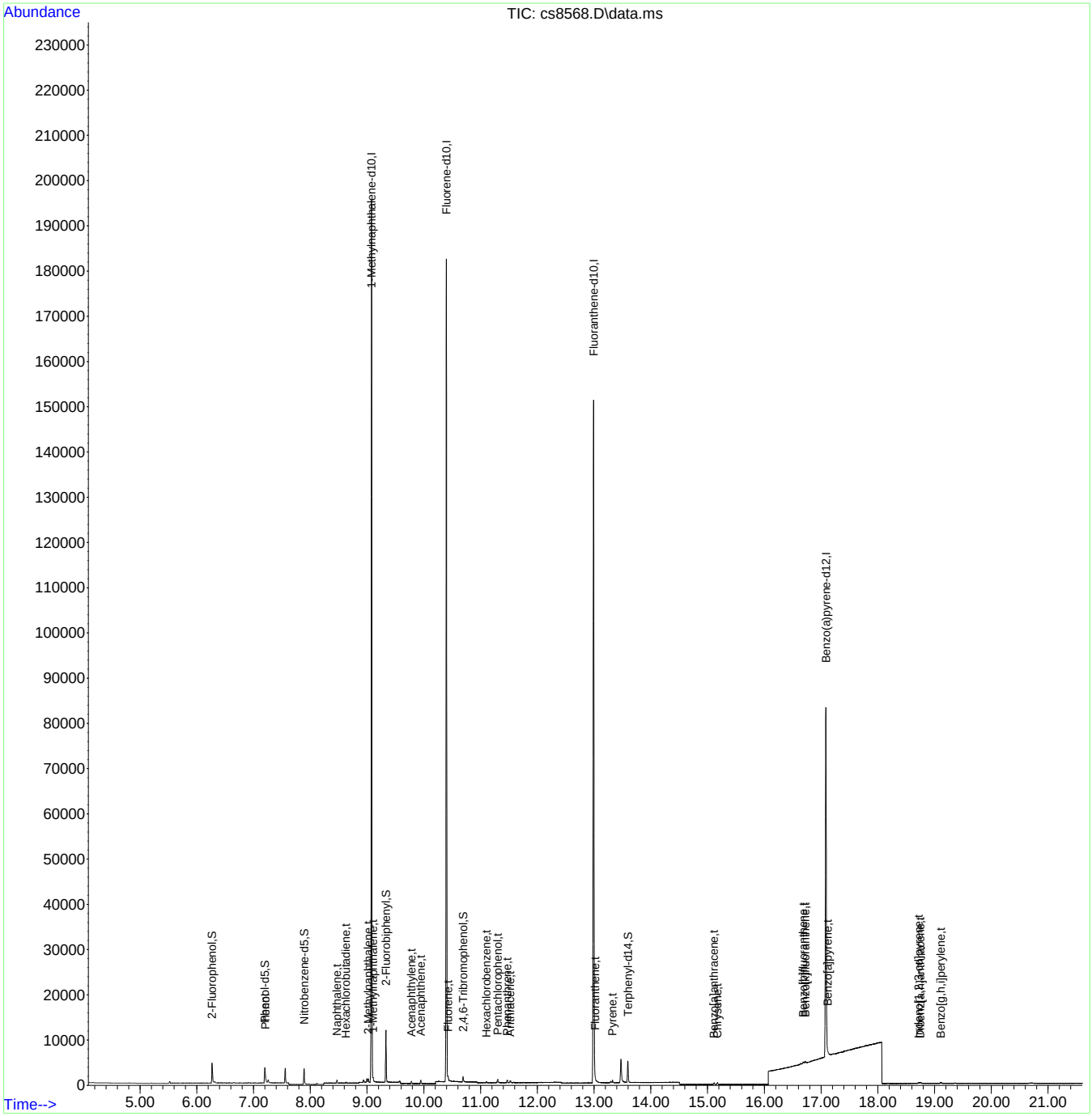
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	9.079	150	60352	800.00	ppb	0.00
11) Fluorene-d10	10.398	176	75868	800.00	ppb	0.00
18) Fluoranthene-d10	12.990	212	114654	800.00	ppb	0.00
28) Benzo(a)pyrene-d12	17.084	264	65070	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	6.270	112	2331	36.95	ppb	0.00
Spiked Amount 10000.000			Recovery =	0.37%		
4) Phenol-d5	7.198	99	2731	37.43	ppb	0.00
Spiked Amount 10000.000			Recovery =	0.37%		
6) Nitrobenzene-d5	7.890	82	2246	37.91	ppb	0.00
Spiked Amount 10000.000			Recovery =	0.38%		
12) 2-Fluorobiphenyl	9.333	172	5661	44.66	ppb	0.00
Spiked Amount 10000.000			Recovery =	0.45%		
17) 2,4,6-Tribromophenol	10.691	330	459m	31.96	ppb	0.00
Spiked Amount 10000.000			Recovery =	0.32%		
25) Terphenyl-d14	13.596	244	3459m	39.75	ppb	0.00
Spiked Amount 10000.000			Recovery =	0.40%		
Target Compounds						Qvalue
5) Phenol	7.208	94	838	10.15	ppb	98
7) Naphthalene	8.469	128	477	2.21	ppb	97
8) Hexachlorobutadiene	8.622	225	69	2.19	ppb	92
9) 2-Methylnaphthalene	9.020	141	272m	2.28	ppb	
10) 1-Methylnaphthalene	9.108	141	245	2.13	ppb	93
13) Acenaphthylene	9.781	152	350	1.82	ppb	98
14) Acenaphthene	9.947	153	268	2.03	ppb	99
15) Fluorene	10.427	166	316	2.12	ppb	98
19) Hexachlorobenzene	11.101	284	83m	2.13	ppb	
20) Pentachlorophenol	11.302	266	397m	19.88	ppb	
21) Phenanthrene	11.469	178	397m	1.90	ppb	
22) Anthracene	11.521	178	362m	1.83	ppb	
23) Fluoranthene	13.017	202	412	1.88	ppb	97
24) Pyrene	13.325	202	443m	1.99	ppb	
26) Benzo[a]anthracene	15.112	228	313m	1.93	ppb	
27) Chrysene	15.171	228	316	1.93	ppb	97
29) Benzo[b]fluoranthene	16.686	252	275	1.90	ppb	96
30) Benzo[k]fluoranthene	16.720	252	223	1.58	ppb	87
31) Benzo[a]pyrene	17.116	252	294	2.20	ppb	75
32) Indeno[1,2,3-cd]pyrene	18.718	276	218m	2.00	ppb	
33) Dibenz[a,h]anthracene	18.747	278	196m	1.90	ppb	
34) Benzo[g,h,i]perylene	19.107	276	225m	2.12	ppb	

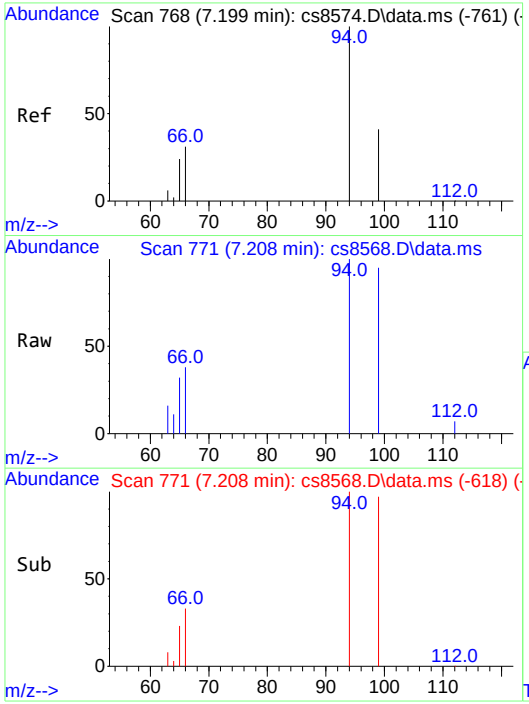
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8568.D
Acq On : 17 Sep 2025 11:28 am
Operator : rocquans
Sample : ic446-0.002
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 17 16:21:34 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration

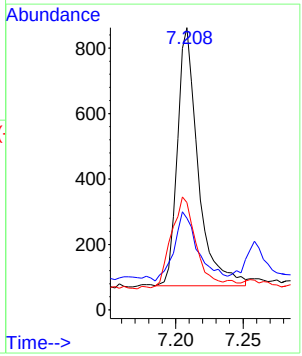


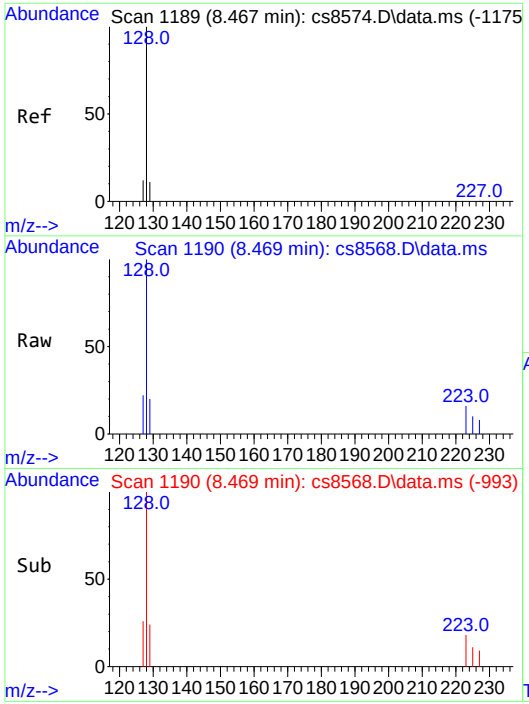


#5
Phenol
Concen: 10.15 ppb
RT: 7.208 min Scan# 771
Delta R.T. 0.010 min
Lab File: cs8568.D
Acq: 17 Sep 2025 11:28 am

Tgt Ion: 94 Resp: 838

Ion	Ratio	Lower	Upper
94	100		
65	20.4	17.0	25.4
66	31.8	24.6	37.0

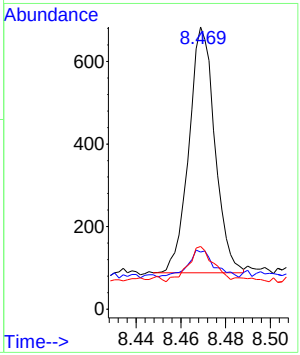


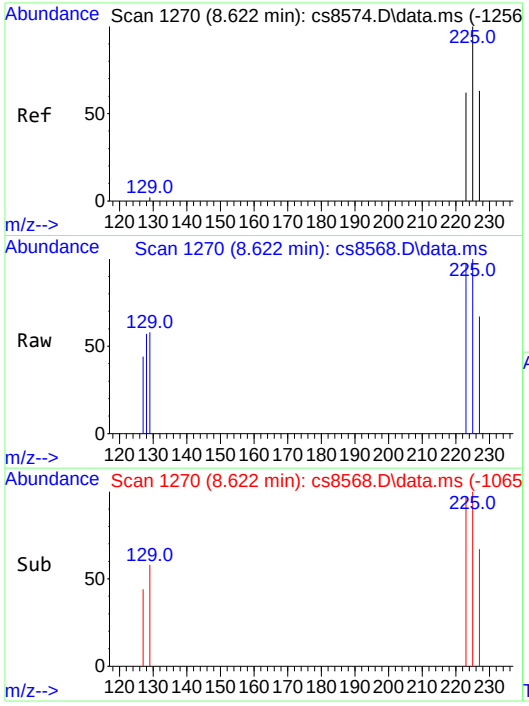


#7
Naphthalene
Concen: 2.21 ppb
RT: 8.469 min Scan# 1190
Delta R.T. 0.002 min
Lab File: cs8568.D
Acq: 17 Sep 2025 11:28 am

Tgt Ion:128 Resp: 477

Ion	Ratio	Lower	Upper
128	100		
129	8.8	0.0	40.8
127	12.9	0.0	42.4

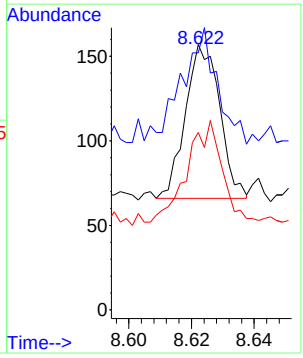


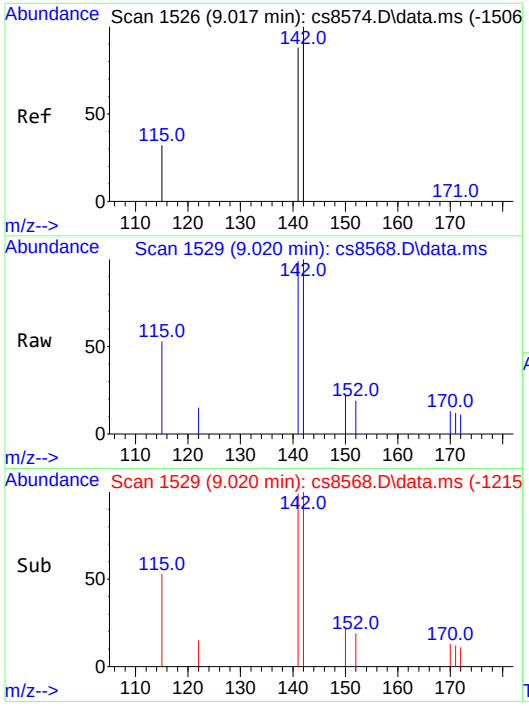


#8
Hexachlorobutadiene
Concen: 2.19 ppb
RT: 8.622 min Scan# 1270
Delta R.T. -0.000 min
Lab File: cs8568.D
Acq: 17 Sep 2025 11:28 am

Tgt Ion:225 Resp: 69

Ion	Ratio	Lower	Upper
225	100		
223	56.1	31.8	91.8
227	55.6	32.6	92.6

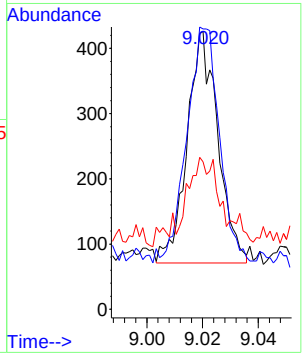


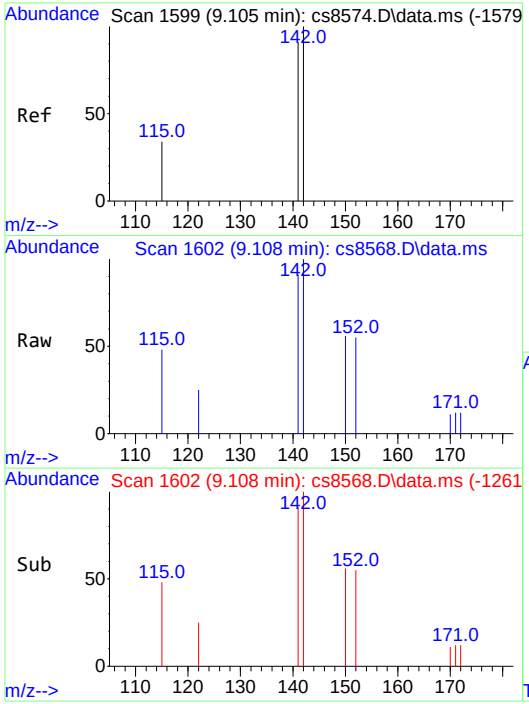


#9
2-Methylnaphthalene
Concen: 2.28 ppb m
RT: 9.020 min Scan# 1529
Delta R.T. 0.003 min
Lab File: cs8568.D
Acq: 17 Sep 2025 11:28 am

Tgt Ion:141 Resp: 272

Ion	Ratio	Lower	Upper
141	100		
142	100.9	83.1	143.1
115	53.1	5.8	65.8

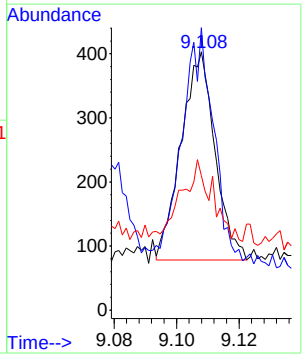


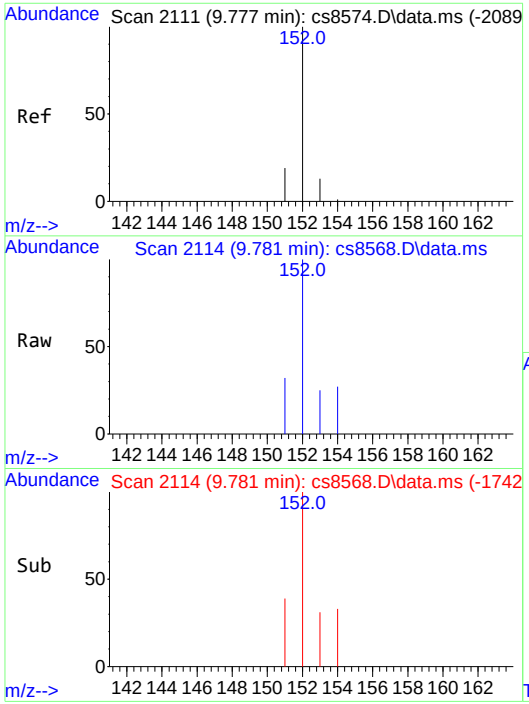


#10
1-Methylnaphthalene
Concen: 2.13 ppb
RT: 9.108 min Scan# 1602
Delta R.T. 0.003 min
Lab File: cs8568.D
Acq: 17 Sep 2025 11:28 am

Tgt Ion:141 Resp: 245

Ion	Ratio	Lower	Upper
141	100		
142	108.5	80.8	140.8
115	25.3	7.2	67.2

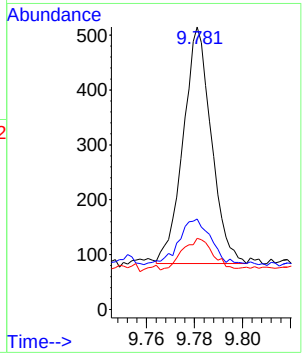


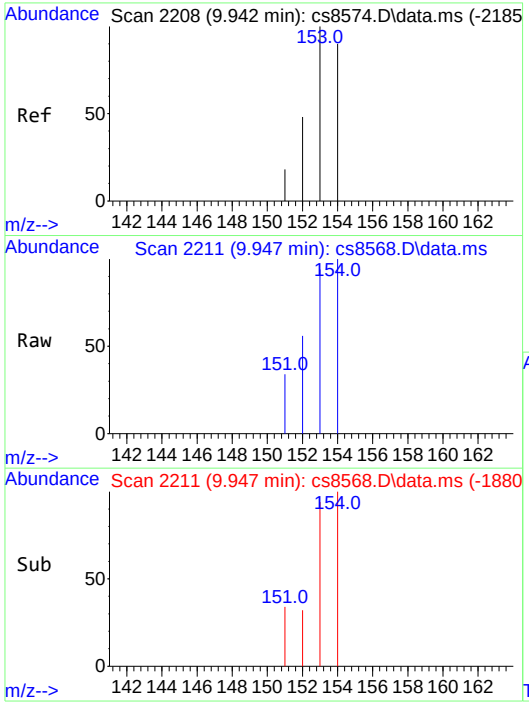


#13
Acenaphthylene
Concen: 1.82 ppb
RT: 9.781 min Scan# 2114
Delta R.T. 0.005 min
Lab File: cs8568.D
Acq: 17 Sep 2025 11:28 am

Tgt Ion:152 Resp: 350

Ion	Ratio	Lower	Upper
152	100		
151	18.3	0.0	49.3
153	11.9	0.0	42.7

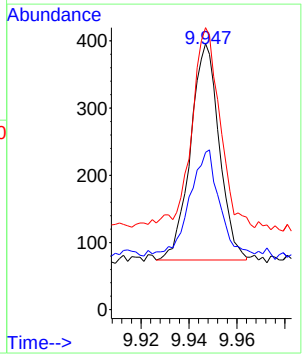


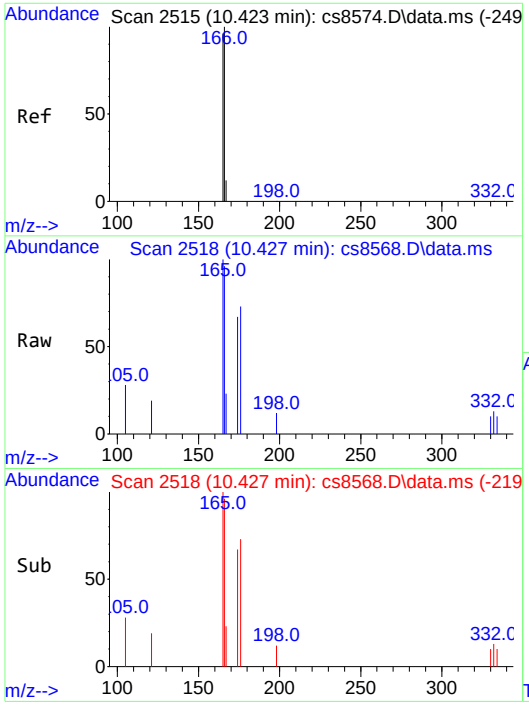


#14
Acenaphthene
Concen: 2.03 ppb
RT: 9.947 min Scan# 2211
Delta R.T. 0.005 min
Lab File: cs8568.D
Acq: 17 Sep 2025 11:28 am

Tgt Ion:153 Resp: 268

Ion	Ratio	Lower	Upper
153	100		
152	45.8	17.7	77.7
154	89.5	59.5	119.5

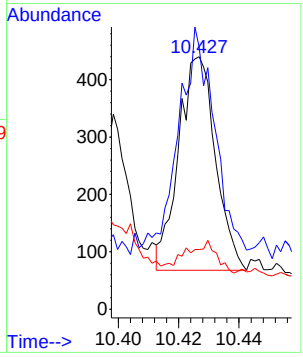


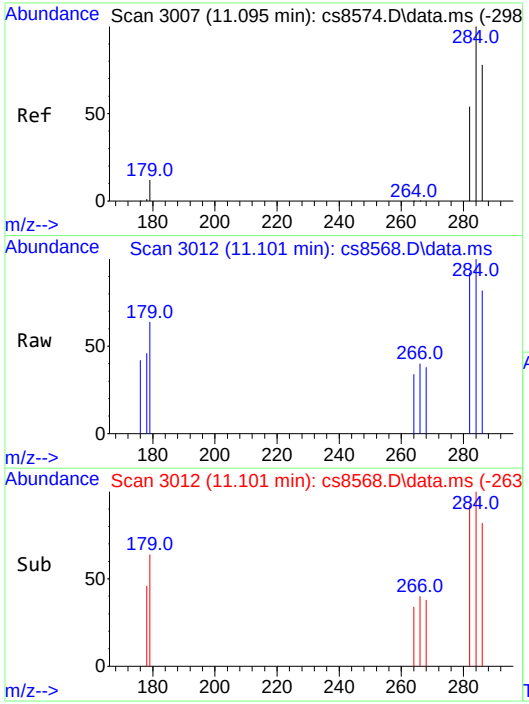


#15
Fluorene
Concen: 2.12 ppb
RT: 10.427 min Scan# 2518
Delta R.T. 0.004 min
Lab File: cs8568.D
Acq: 17 Sep 2025 11:28 am

Tgt Ion:166 Resp: 316

Ion	Ratio	Lower	Upper
166	100		
165	96.9	65.7	125.7
167	8.4	0.0	42.4

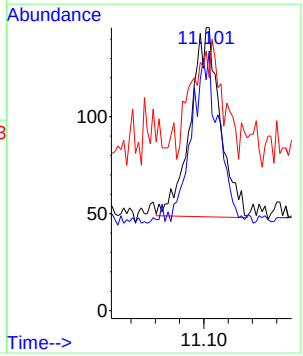


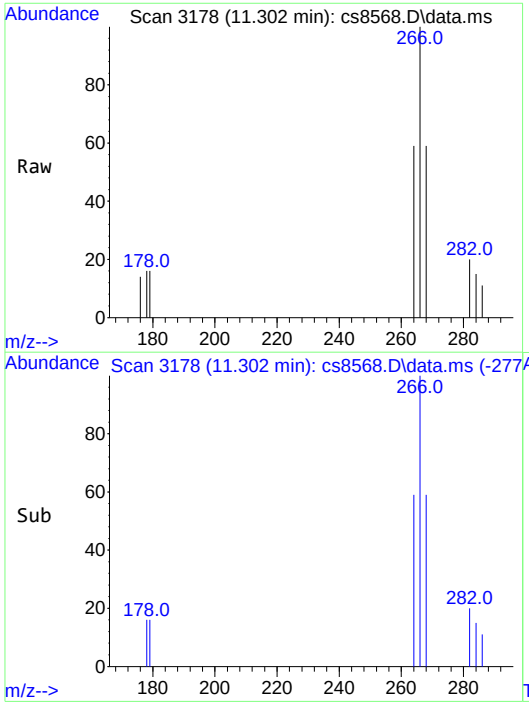


#19
Hexachlorobenzene
Concen: 2.13 ppb m
RT: 11.101 min Scan# 3012
Delta R.T. 0.006 min
Lab File: cs8568.D
Acq: 17 Sep 2025 11:28 am

Tgt Ion:284 Resp: 83

Ion	Ratio	Lower	Upper
284	100		
286	81.5	48.0	108.0
282	91.8	23.8	83.8#

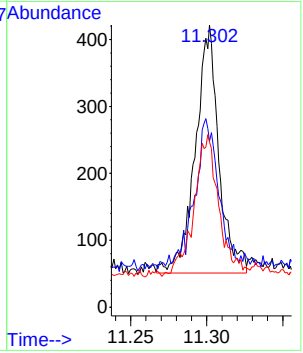


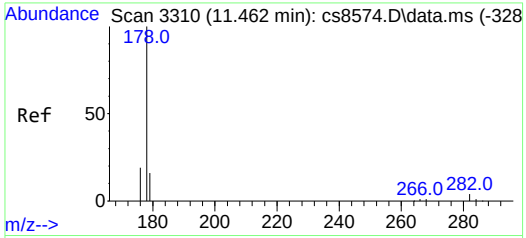


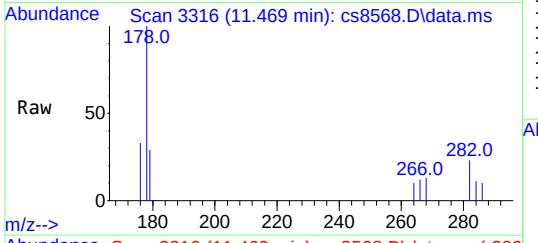
#20
Pentachlorophenol
Concen: 19.88 ppb m
RT: 11.302 min Scan# 3178
Delta R.T. 0.008 min
Lab File: cs8568.D
Acq: 17 Sep 2025 11:28 am

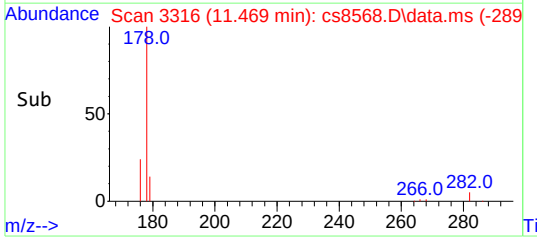
Tgt Ion:266 Resp: 397

Ion	Ratio	Lower	Upper
266	100		
268	29.7	43.1	83.1#
264	16.1	43.0	83.0#





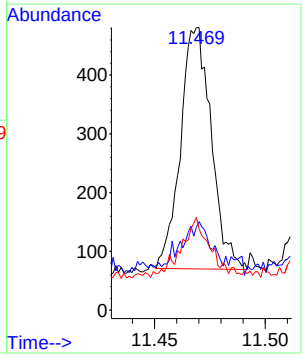


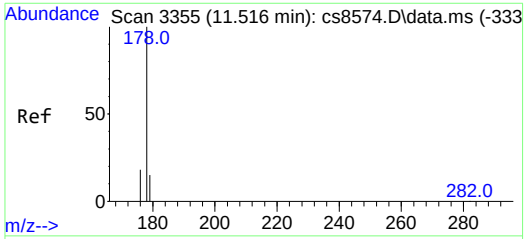


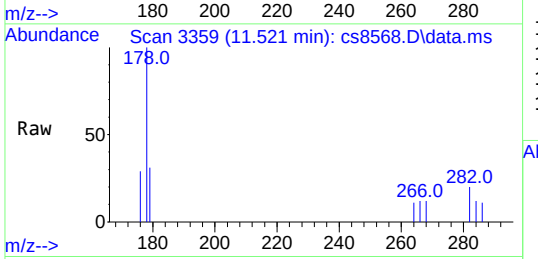
#21
Phenanthrene
Concen: 1.90 ppb m
RT: 11.469 min Scan# 3316
Delta R.T. 0.007 min
Lab File: cs8568.D
Acq: 17 Sep 2025 11:28 am

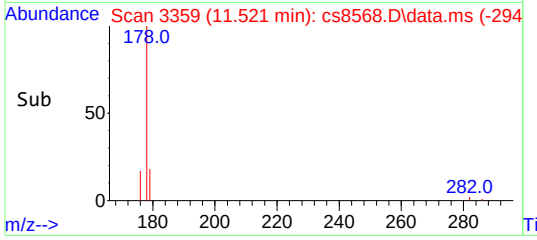
Tgt Ion:178 Resp: 397

Ion	Ratio	Lower	Upper
178	100		
179	29.3	0.0	45.7
176	32.8	0.0	49.2





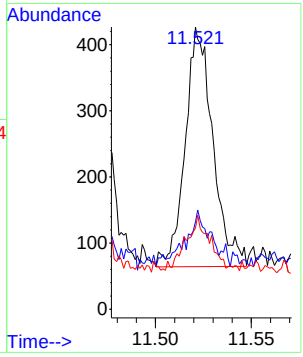


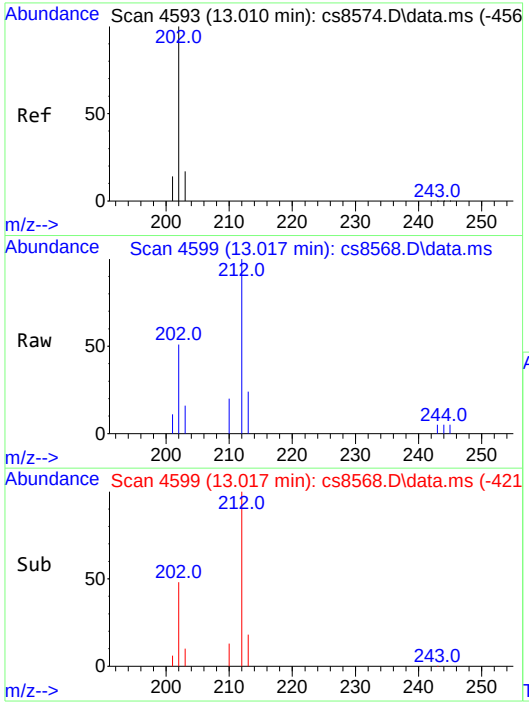


#22
Anthracene
Concen: 1.83 ppb m
RT: 11.521 min Scan# 3359
Delta R.T. 0.005 min
Lab File: cs8568.D
Acq: 17 Sep 2025 11:28 am

Tgt Ion:178 Resp: 362

Ion	Ratio	Lower	Upper
178	100		
179	30.9	0.0	45.2
176	28.8	0.0	48.4

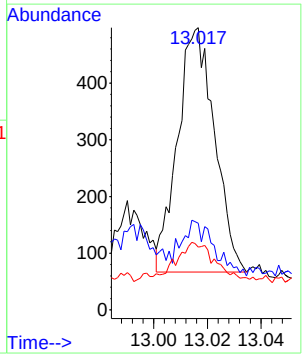


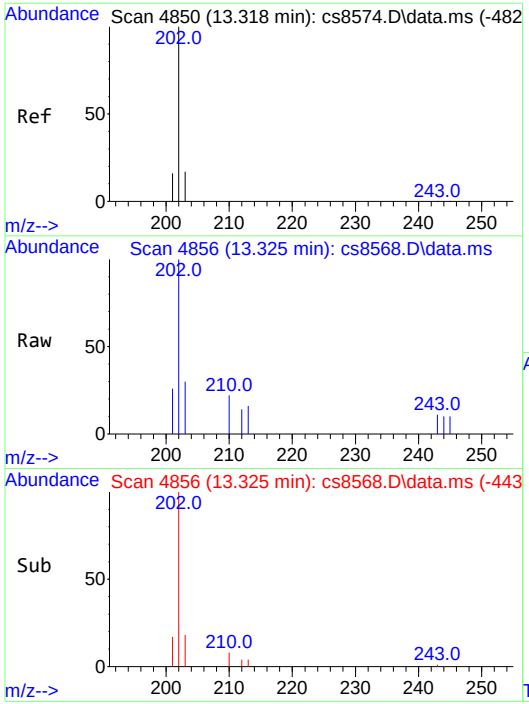


#23
Fluoranthene
Concen: 1.88 ppb
RT: 13.017 min Scan# 4599
Delta R.T. 0.007 min
Lab File: cs8568.D
Acq: 17 Sep 2025 11:28 am

Tgt Ion:202 Resp: 412

Ion	Ratio	Lower	Upper
202	100		
203	18.1	0.0	47.2
201	12.3	0.0	44.0

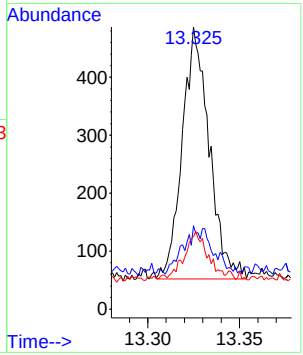


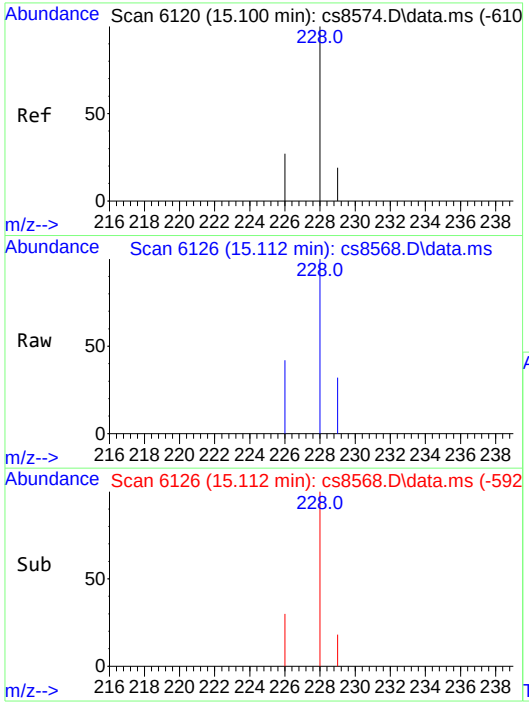


#24
Pyrene
Concen: 1.99 ppb m
RT: 13.325 min Scan# 4856
Delta R.T. 0.007 min
Lab File: cs8568.D
Acq: 17 Sep 2025 11:28 am

Tgt Ion:202 Resp: 443

Ion	Ratio	Lower	Upper
202	100		
203	29.6	0.0	47.1
201	25.7	0.0	46.4

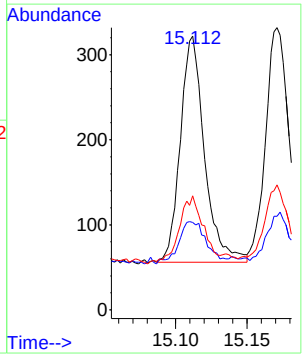


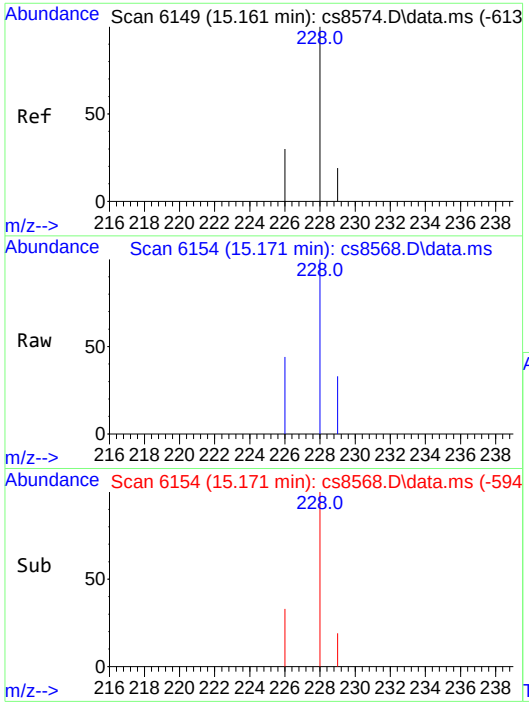


#26
Benzo[a]anthracene
Concen: 1.93 ppb m
RT: 15.112 min Scan# 6126
Delta R.T. 0.012 min
Lab File: cs8568.D
Acq: 17 Sep 2025 11:28 am

Tgt Ion:228 Resp: 313

Ion	Ratio	Lower	Upper
228	100		
229	32.0	0.0	49.1
226	41.6	0.0	57.0

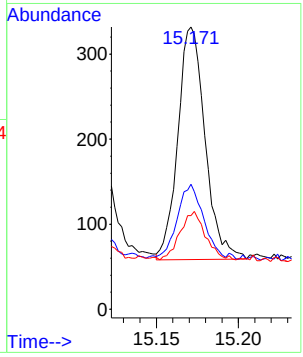


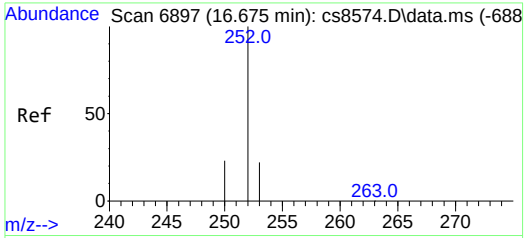


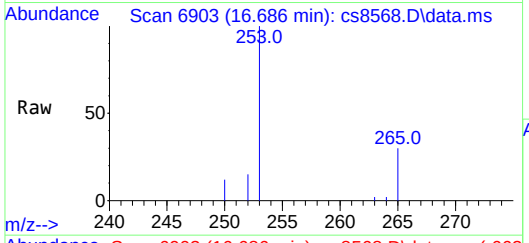
#27
Chrysene
Concen: 1.93 ppb
RT: 15.171 min Scan# 6154
Delta R.T. 0.010 min
Lab File: cs8568.D
Acq: 17 Sep 2025 11:28 am

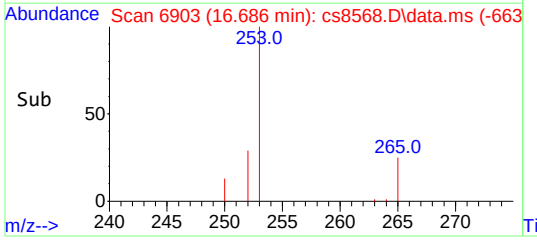
Tgt Ion:228 Resp: 316

Ion	Ratio	Lower	Upper
228	100		
226	32.0	0.0	59.6
229	18.3	0.0	49.1





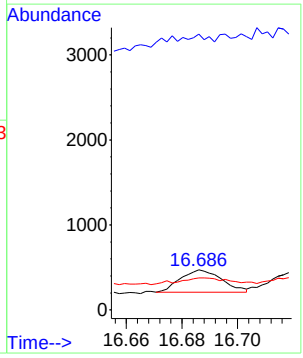


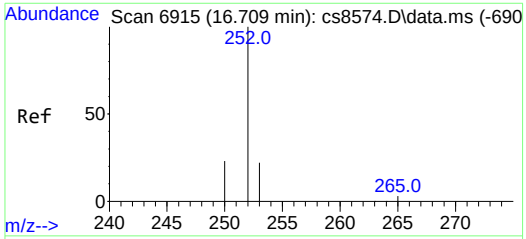


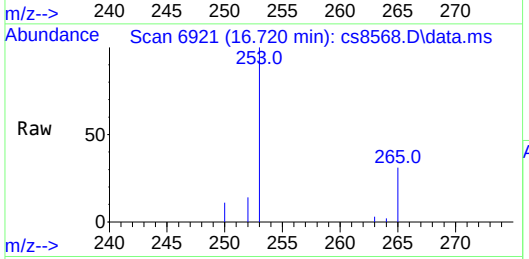
#29
Benzo[b]fluoranthene
Concen: 1.90 ppb
RT: 16.686 min Scan# 6903
Delta R.T. 0.011 min
Lab File: cs8568.D
Acq: 17 Sep 2025 11:28 am

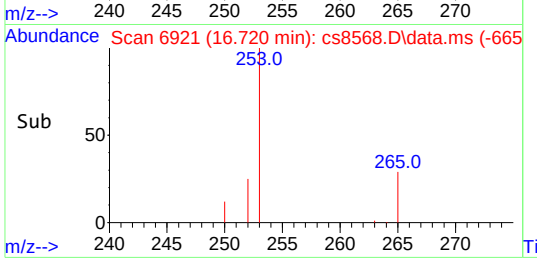
Tgt Ion:252 Resp: 275

Ion	Ratio	Lower	Upper
252	100		
253	25.3	0.0	51.5
250	23.7	0.0	53.4





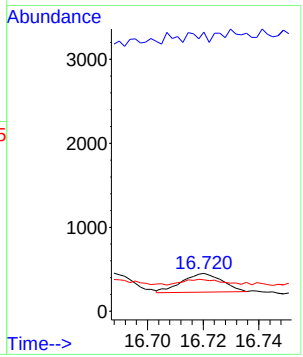


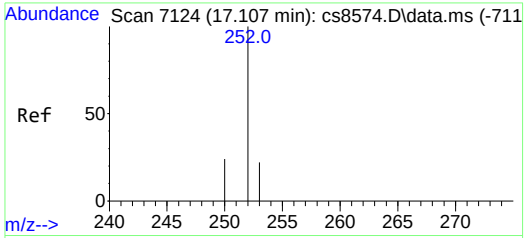


#30
Benzo[k]fluoranthene
Concen: 1.58 ppb
RT: 16.720 min Scan# 6921
Delta R.T. 0.011 min
Lab File: cs8568.D
Acq: 17 Sep 2025 11:28 am

Tgt Ion:252 Resp: 223

Ion	Ratio	Lower	Upper
252	100		
253	29.5	0.0	51.3
250	18.8	0.0	53.2

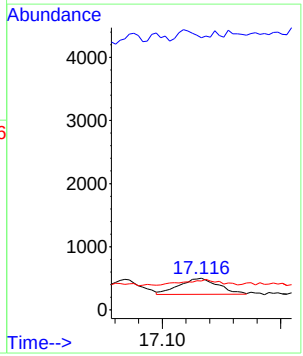


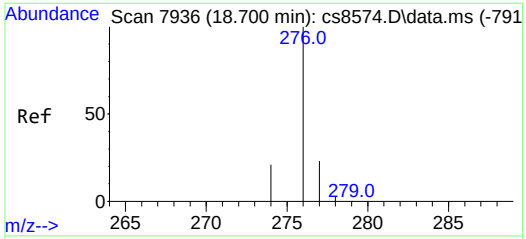


#31
Benzo[a]pyrene
Concen: 2.20 ppb
RT: 17.116 min Scan# 7129
Delta R.T. 0.009 min
Lab File: cs8568.D
Acq: 17 Sep 2025 11:28 am

Tgt Ion:252 Resp: 294

Ion	Ratio	Lower	Upper
252	100		
253	0.0	0.0	51.3
250	20.6	0.0	53.7

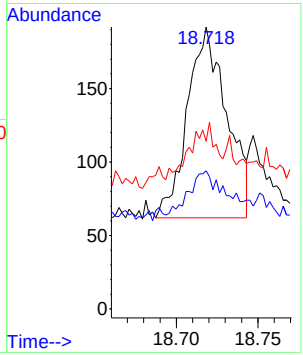


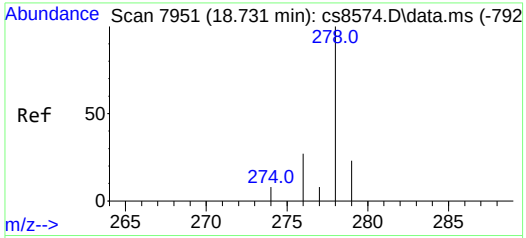


#32
Indeno[1,2,3-cd]pyrene
Concen: 2.00 ppb m
RT: 18.718 min Scan# 7945
Delta R.T. 0.018 min
Lab File: cs8568.D
Acq: 17 Sep 2025 11:28 am

Tgt Ion:276 Resp: 218

Ion	Ratio	Lower	Upper
276	100		
274	49.0	0.0	50.4
277	59.4	0.0	52.4#

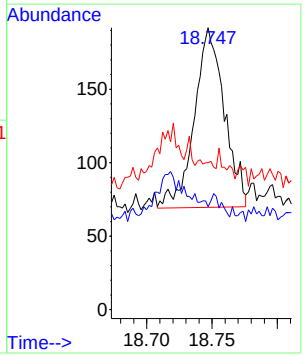


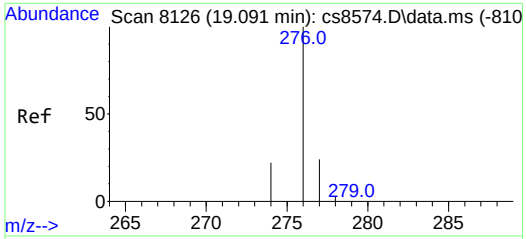


#33
Dibenz[a,h]anthracene
Concen: 1.90 ppb m
RT: 18.747 min Scan# 7959
Delta R.T. 0.016 min
Lab File: cs8568.D
Acq: 17 Sep 2025 11:28 am

Tgt Ion:278 Resp: 196

Ion	Ratio	Lower	Upper
278	100		
274	36.5	0.0	38.4
277	52.1	0.0	37.8#

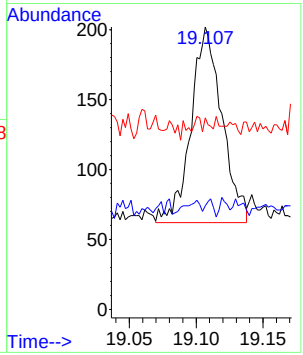




#34
Benzo[g,h,i]perylene
Concen: 2.12 ppb m
RT: 19.107 min Scan# 8134
Delta R.T. 0.016 min
Lab File: cs8568.D
Acq: 17 Sep 2025 11:28 am

Tgt Ion:276 Resp: 225

Ion	Ratio	Lower	Upper
276	100		
278	36.6	0.0	32.6#
279	67.8	0.0	30.2#



Manual Integration Approval Summary

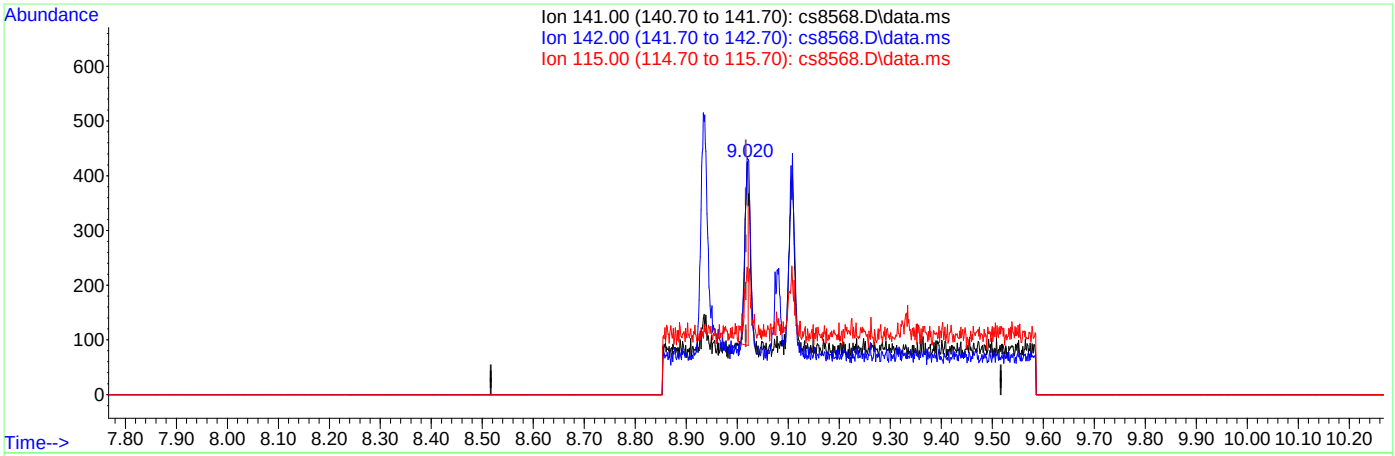
Sample Number: ECS446-IC446
Lab FileID: CS8568.D
Injection Time: 09/17/25 11:28
Method: SW846 8270E BY SIM
Analyst approved: 09/17/25 18:29 Rocquan Salters
Supervisor approved: 09/18/25 10:52 Ying Li

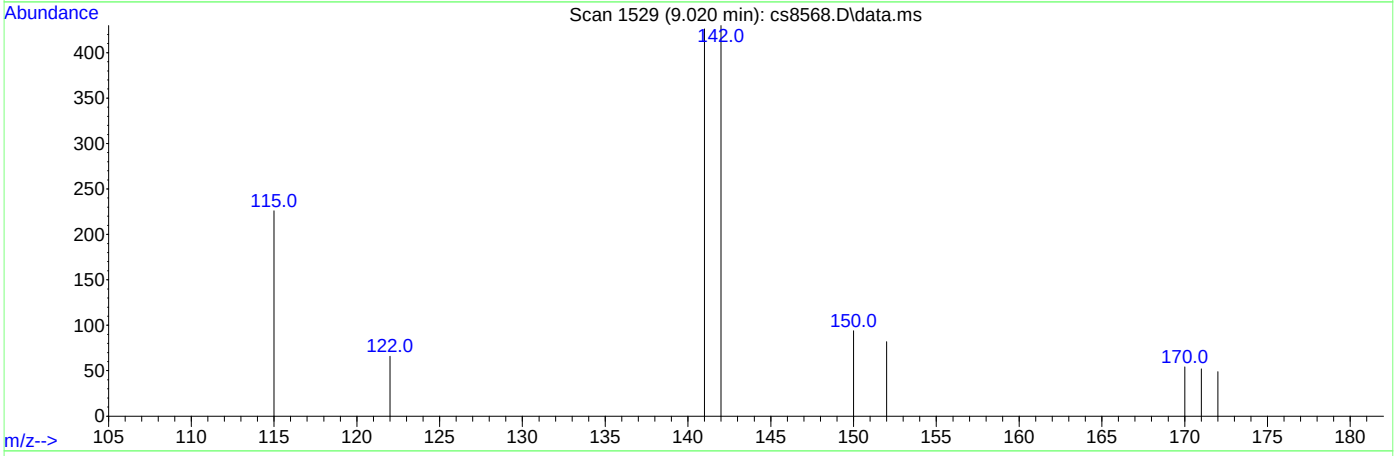
Parameter	CAS	Sig#	R.T. (min.)	Reason
2-Methylnaphthalene	91-57-6		9.02	Baseline ripple
2,4,6-Tribromophenol	118-79-6		10.69	Baseline ripple
Hexachlorobenzene	118-74-1		11.10	Baseline ripple
Pentachlorophenol	87-86-5		11.30	Baseline ripple
Phenanthrene	85-01-8		11.47	Baseline ripple
Anthracene	120-12-7		11.52	Baseline ripple
Pyrene	129-00-0		13.32	Baseline ripple
Terphenyl-d14	1718-51-0		13.60	Baseline ripple
Benzo(a)anthracene	56-55-3		15.11	Baseline ripple
Indeno(1,2,3-cd)pyrene	193-39-5		18.72	Baseline ripple
Dibenzo(a,h)anthracene	53-70-3		18.75	Baseline ripple
Benzo(g,h,i)perylene	191-24-2		19.11	Baseline ripple

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8568.D
Acq On : 17 Sep 2025 11:28 am
Operator : rocquans
Sample : ic446-0.002
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 17 15:45:34 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 15:40:02 2025
Response via : Initial Calibration





TIC: cs8568.D\data.ms

(9) 2-Methylnaphthalene (t)

9.020min (+0.003) 1.25ppb

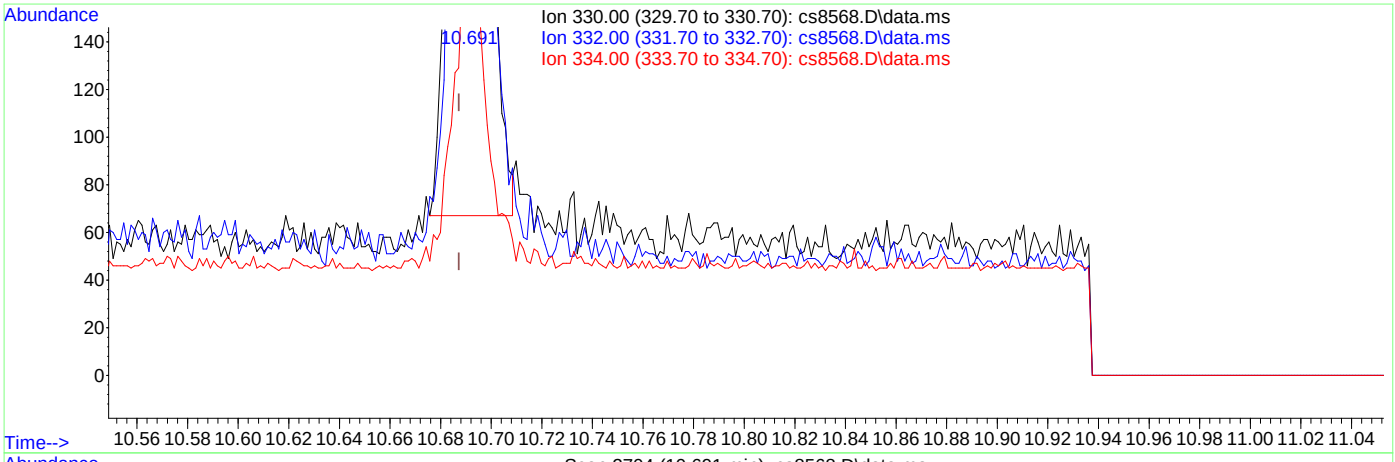
response 149

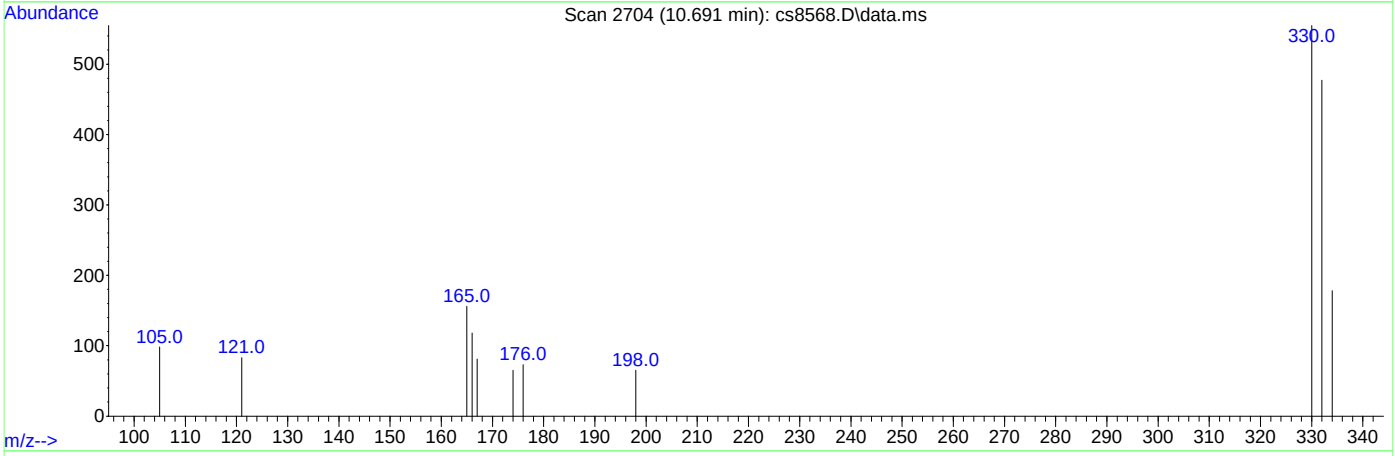
Ion	Exp%	Act%
141.00	100	100
142.00	113.10	83.82
115.00	35.80	28.99
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8568.D
Acq On : 17 Sep 2025 11:28 am
Operator : rocquans
Sample : ic446-0.002
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 17 15:45:34 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 15:40:02 2025
Response via : Initial Calibration





TIC: cs8568.D\data.ms

(17) 2,4,6-Tribromophenol (S)

10.691min (+0.004) 27.36ppb

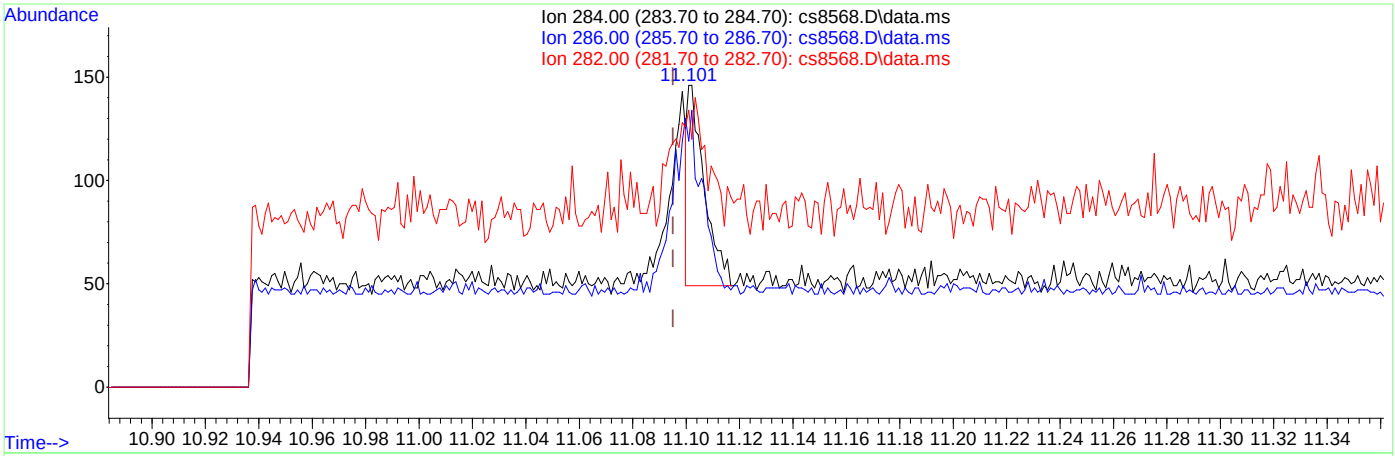
response 393

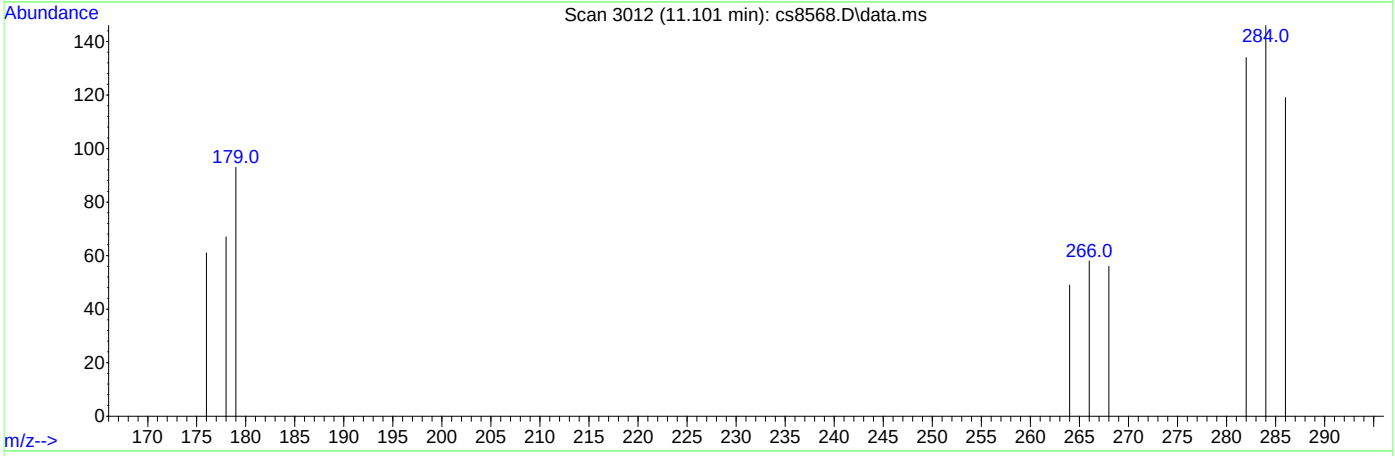
Ion	Exp%	Act%
330.00	100	100
332.00	95.70	82.59
334.00	30.50	26.17
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8568.D
Acq On : 17 Sep 2025 11:28 am
Operator : rocquans
Sample : ic446-0.002
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 17 15:45:34 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 15:40:02 2025
Response via : Initial Calibration





TIC: cs8568.D\data.ms

(19) Hexachlorobenzene (t)

11.101min (+0.006) 1.08ppb

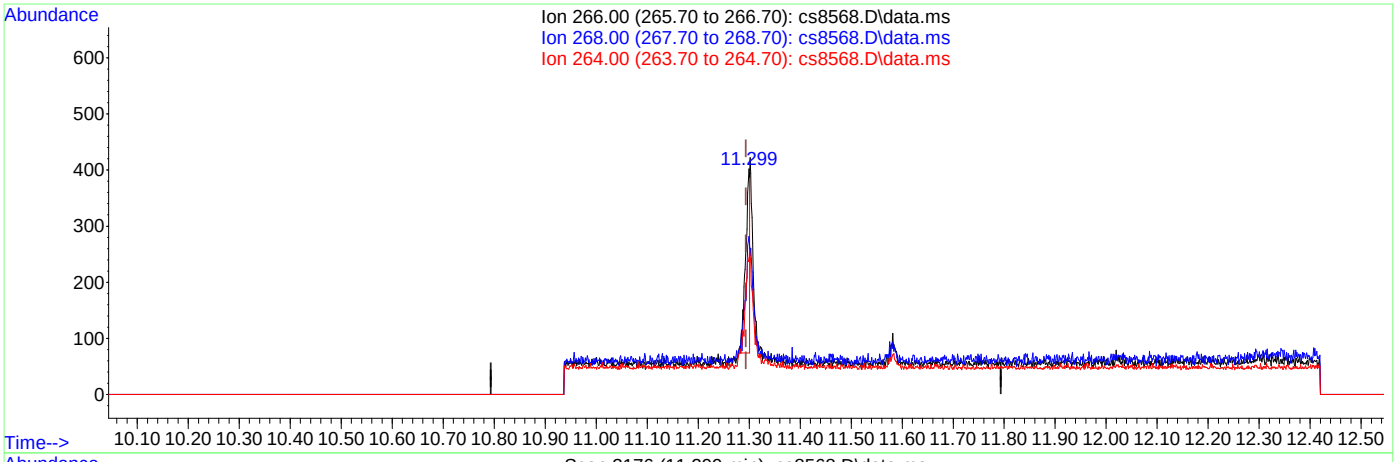
response 42

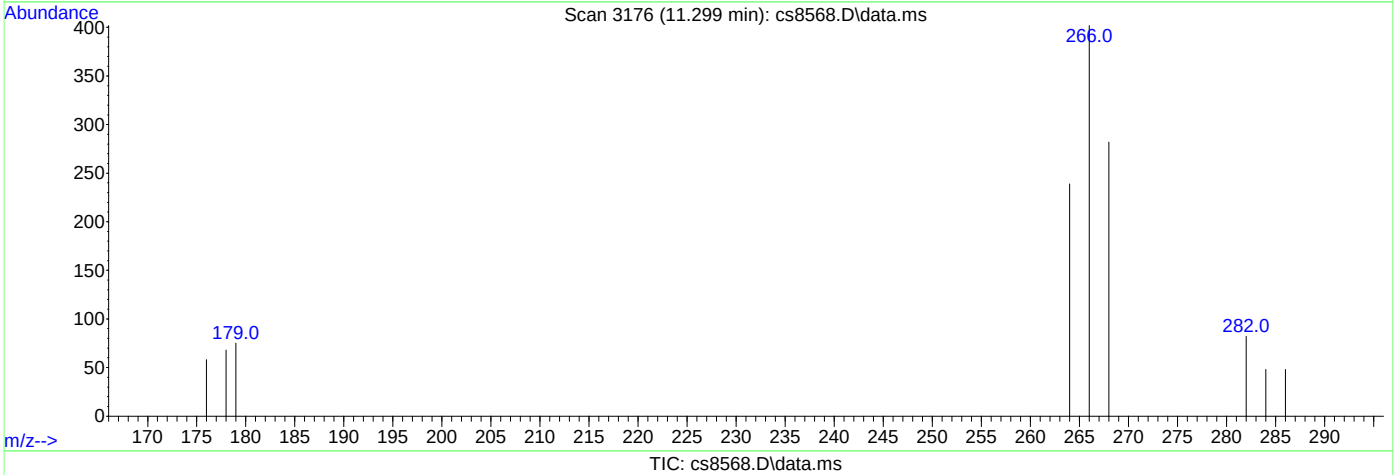
Ion	Exp%	Act%
284.00	100	100
286.00	78.00	51.69
282.00	53.80	42.37
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8568.D
Acq On : 17 Sep 2025 11:28 am
Operator : rocquans
Sample : ic446-0.002
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 17 15:45:34 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 15:40:02 2025
Response via : Initial Calibration





TIC: cs8568.D\data.ms

(20) Pentachlorophenol (t)

11.299min (+0.006) 9.01ppb

response 180

Ion	Exp%	Act%
266.00	100	100
268.00	63.10	65.56
264.00	63.00	35.56#
0.00	0.00	0.00

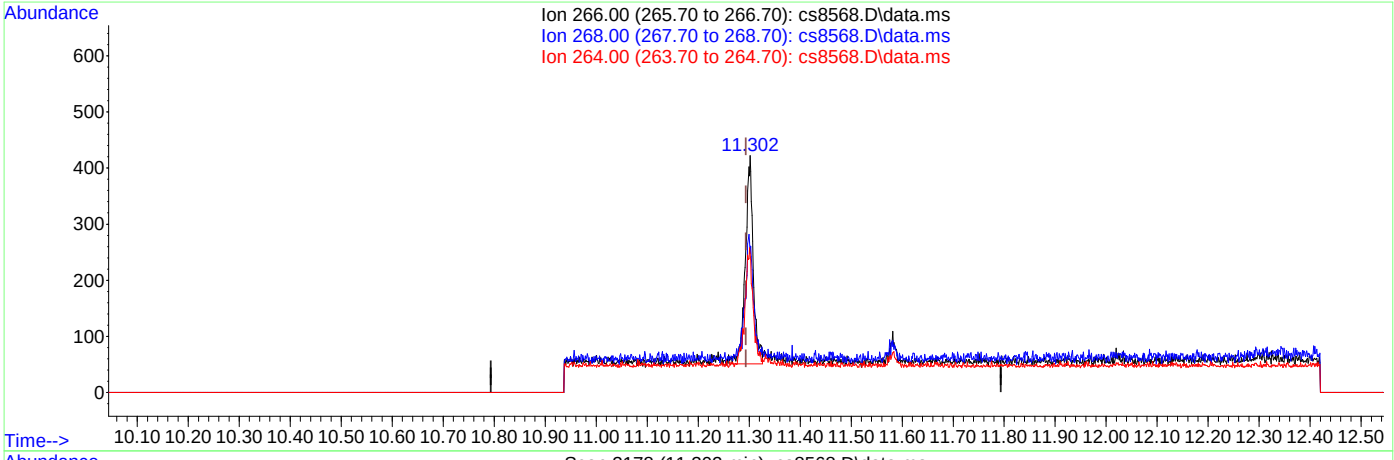
9.6.15

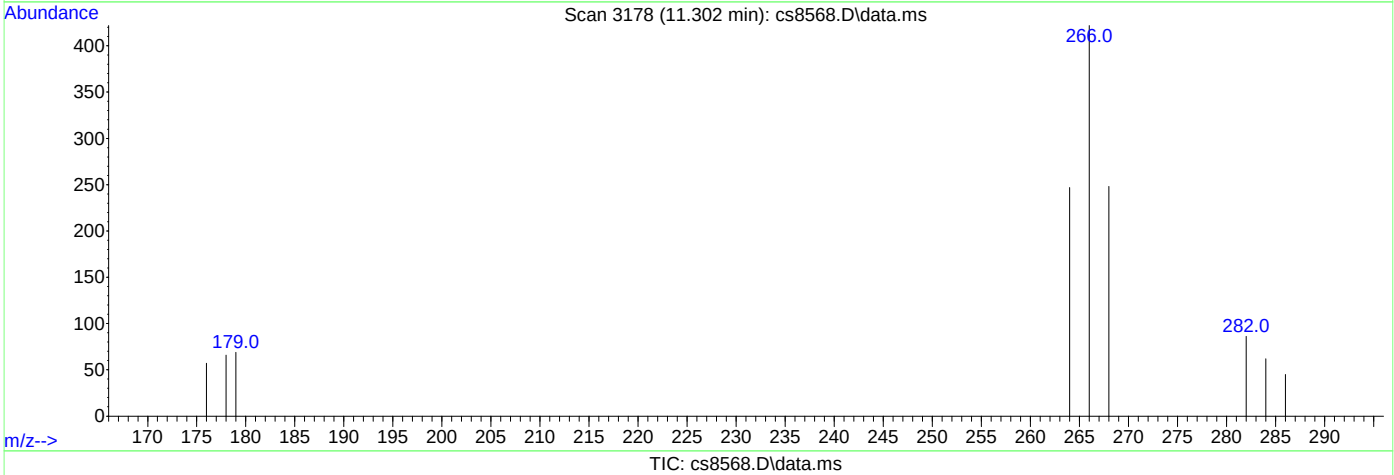
9

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8568.D
Acq On : 17 Sep 2025 11:28 am
Operator : rocquans
Sample : ic446-0.002
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 17 15:45:34 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 15:40:02 2025
Response via : Initial Calibration





TIC: cs8568.D\data.ms

(20) Pentachlorophenol (t)

11.302min (+0.008) 19.88ppb m

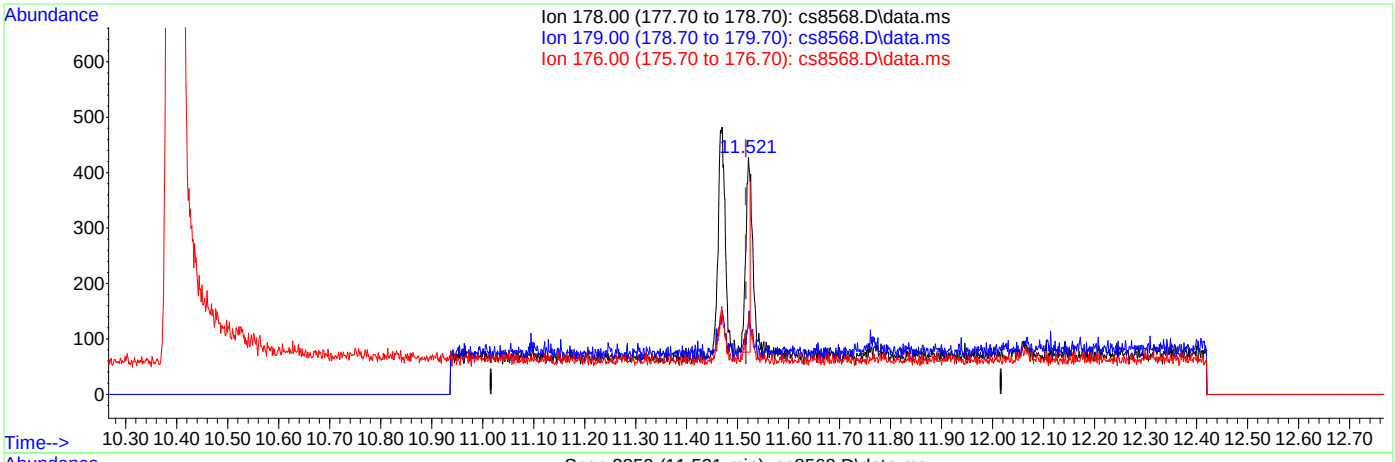
response 397

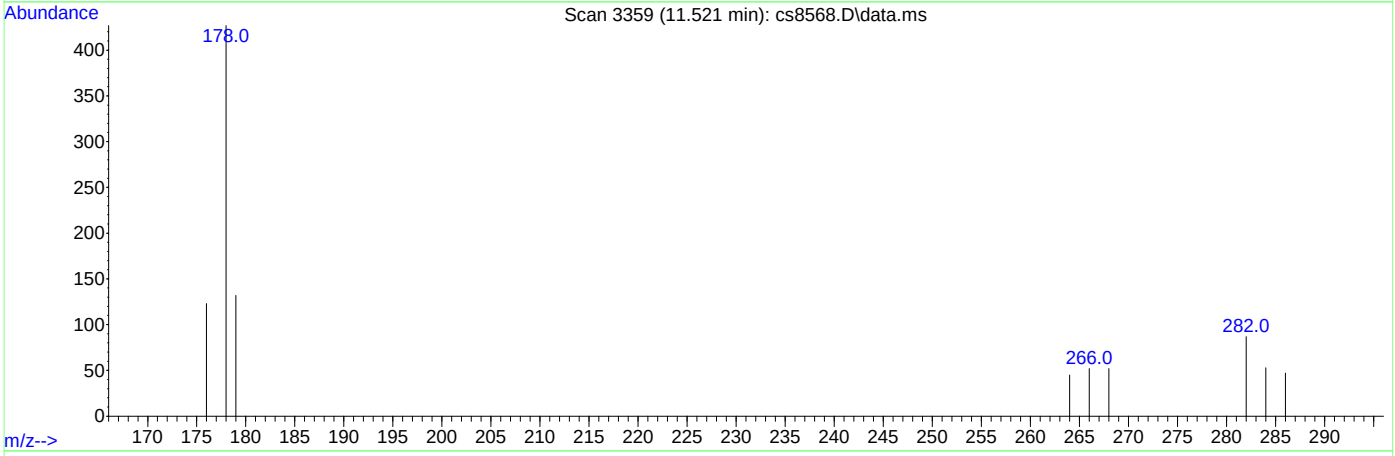
Ion	Exp%	Act%
266.00	100	100
268.00	63.10	29.72#
264.00	63.00	16.12#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8568.D
Acq On : 17 Sep 2025 11:28 am
Operator : rocquans
Sample : ic446-0.002
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 17 15:45:34 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 15:40:02 2025
Response via : Initial Calibration





TIC: cs8568.D\data.ms

(22) Anthracene (t)

11.521min (+0.005) 1.04ppb

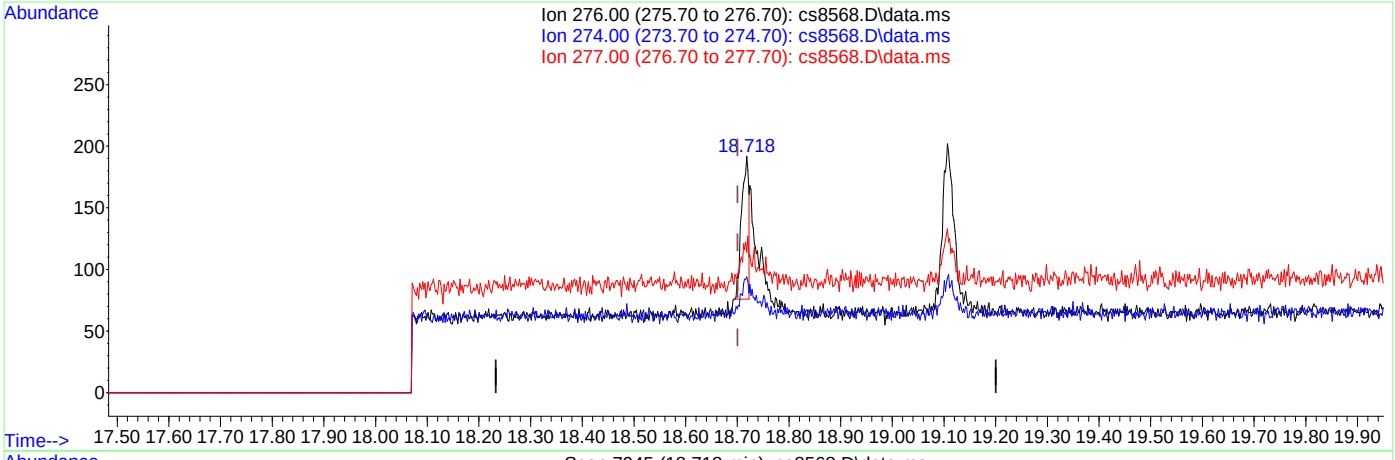
response 206

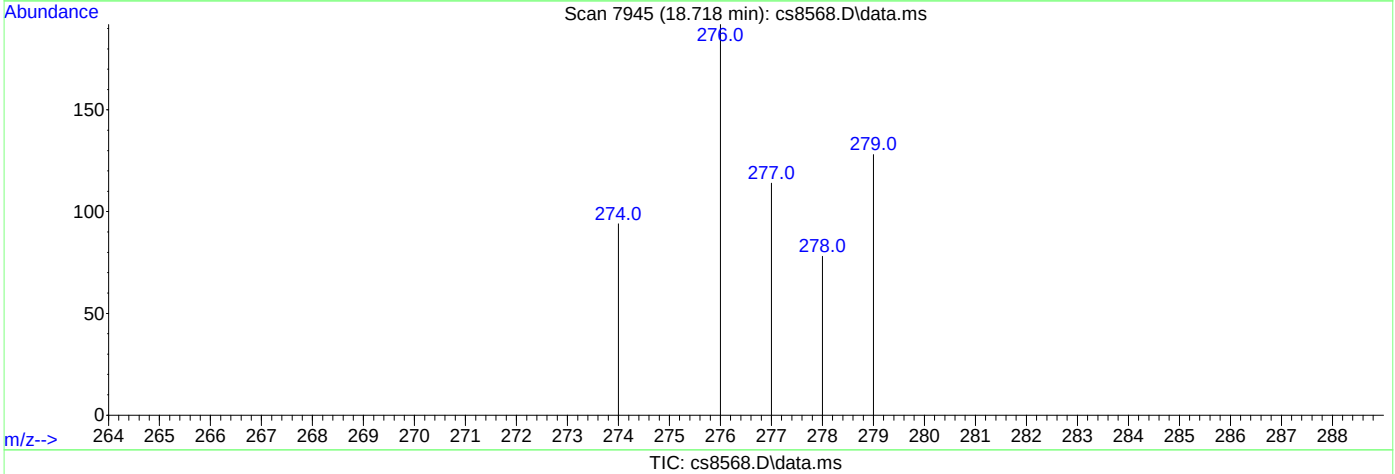
Ion	Exp%	Act%
178.00	100	100
179.00	15.20	16.50
176.00	18.40	18.02
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8568.D
Acq On : 17 Sep 2025 11:28 am
Operator : rocquans
Sample : ic446-0.002
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 17 15:45:34 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 15:40:02 2025
Response via : Initial Calibration





TIC: cs8568.D\data.ms

(32) Indeno[1,2,3-cd]pyrene (t)

18.718min (+0.018) 0.99ppb

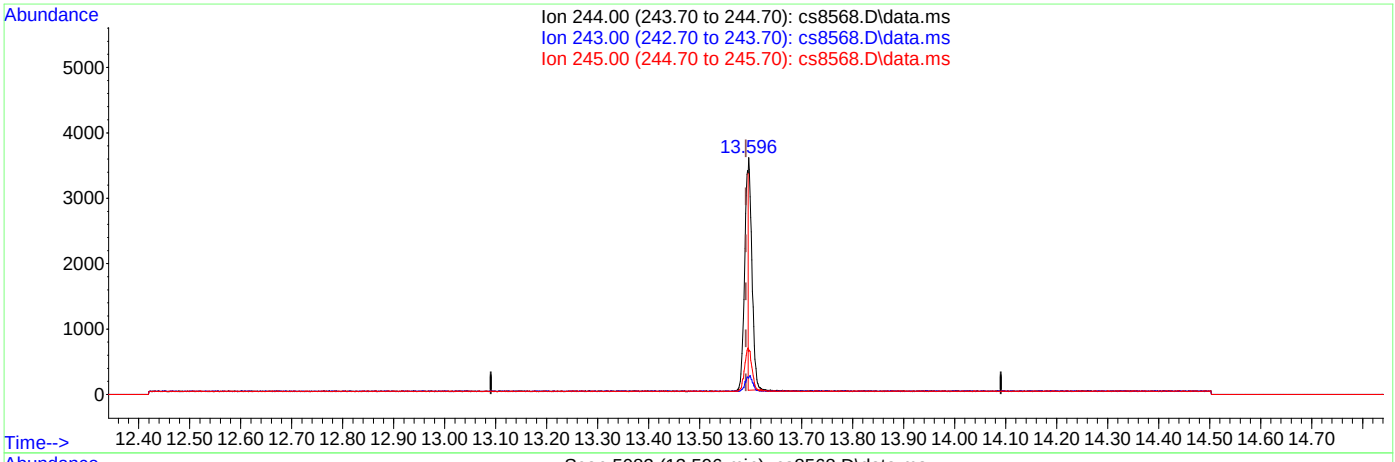
response 108

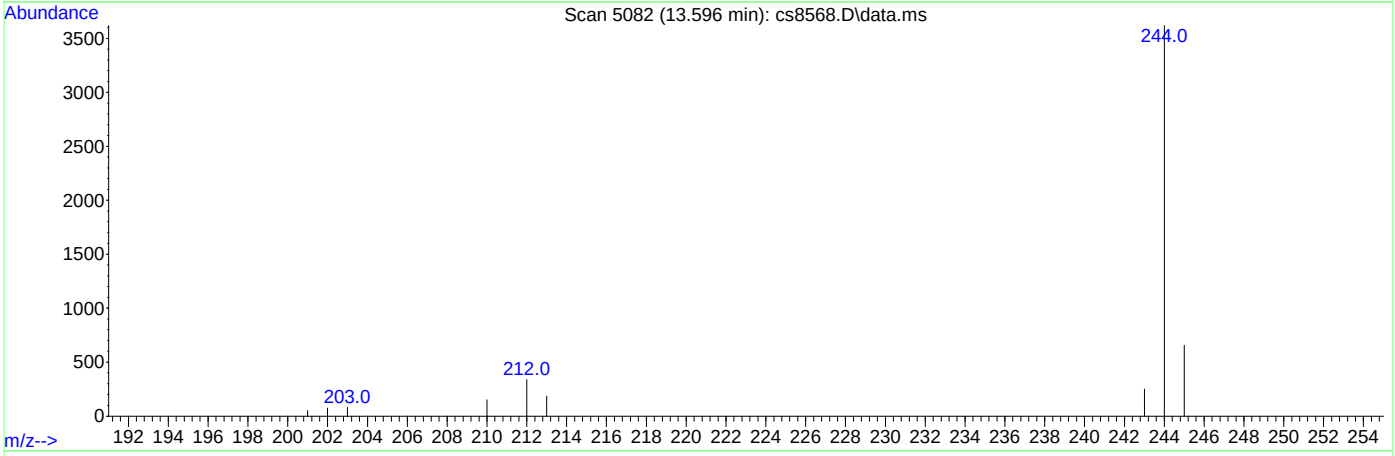
Ion	Exp%	Act%
276.00	100	100
274.00	20.40	28.57
277.00	22.40	14.97
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8568.D
Acq On : 17 Sep 2025 11:28 am
Operator : rocquans
Sample : ic446-0.002
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 17 15:45:34 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 15:40:02 2025
Response via : Initial Calibration





TIC: cs8568.D\data.ms

(25) Terphenyl-d14 (S)

13.596min (+0.006) 19.08ppb

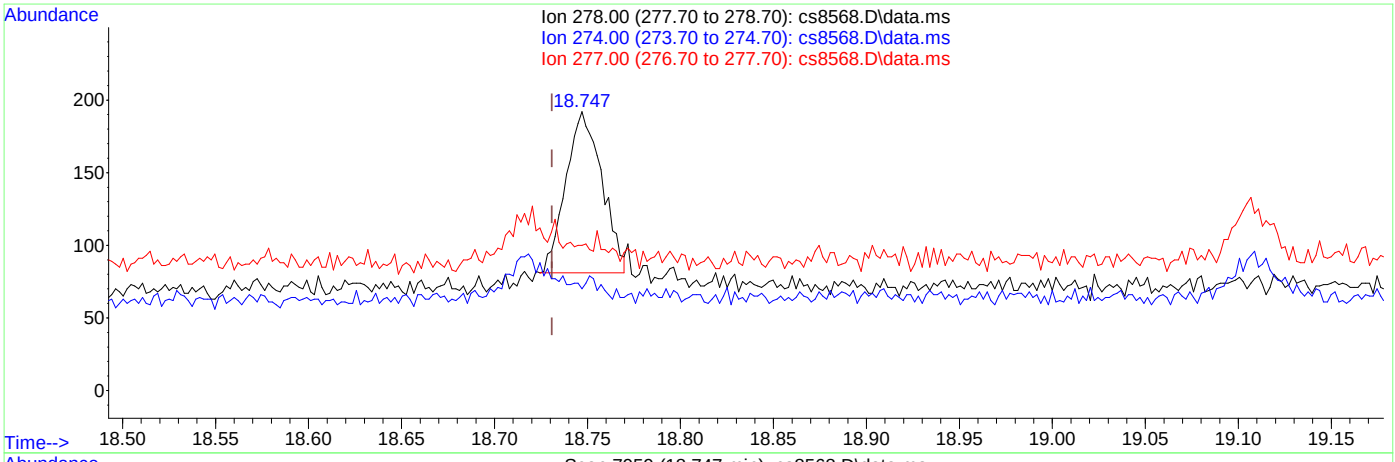
response 1660

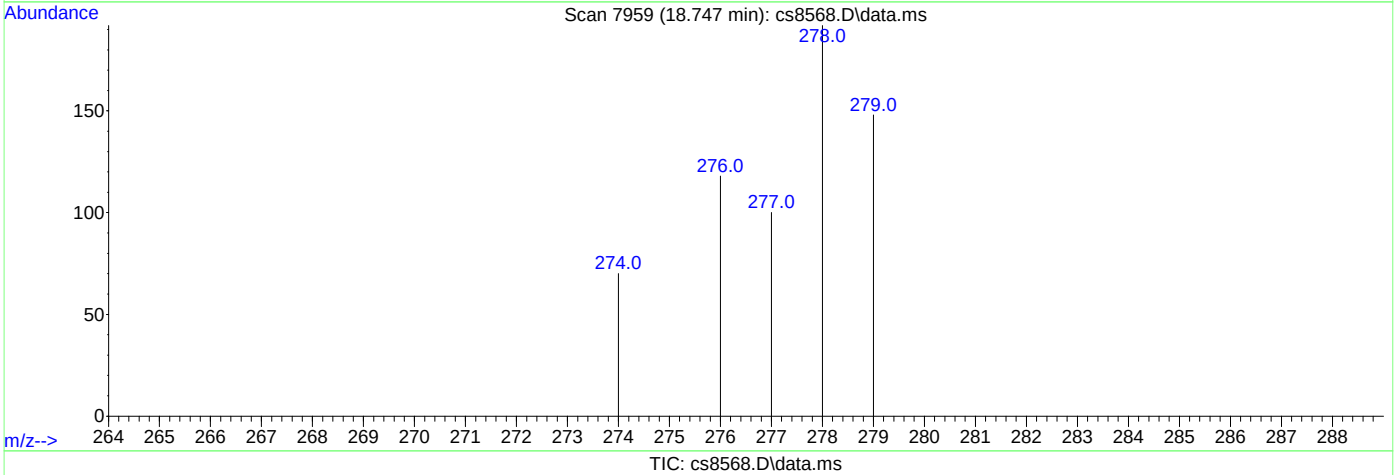
Ion	Exp%	Act%
244.00	100	100
243.00	6.50	5.10
245.00	18.80	14.33
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8568.D
Acq On : 17 Sep 2025 11:28 am
Operator : rocquans
Sample : ic446-0.002
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 17 15:45:34 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 15:40:02 2025
Response via : Initial Calibration





TIC: cs8568.D\data.ms

(33) Dibenz[a,h]anthracene (t)

18.747min (+0.016) 1.45ppb

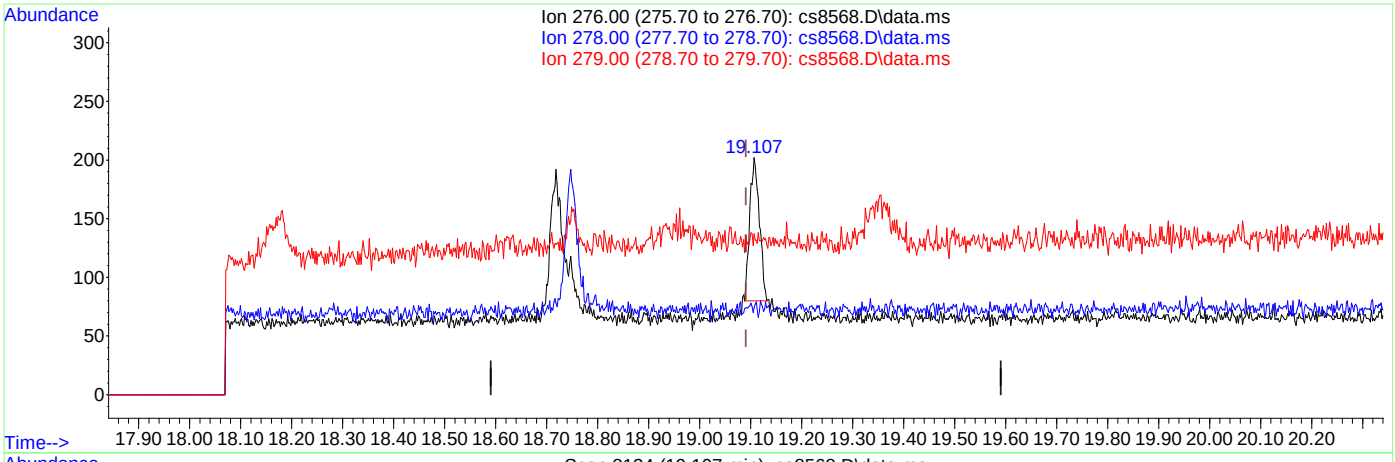
response 150

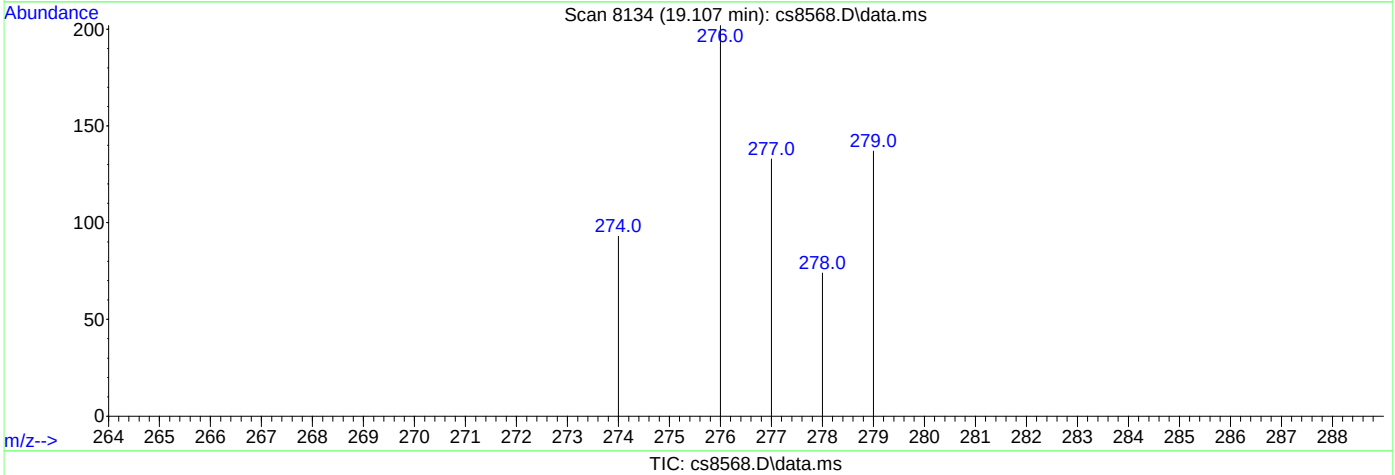
Ion	Exp%	Act%
278.00	100	100
274.00	8.40	0.00
277.00	7.80	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8568.D
Acq On : 17 Sep 2025 11:28 am
Operator : rocquans
Sample : ic446-0.002
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 17 15:45:34 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 15:40:02 2025
Response via : Initial Calibration





TIC: cs8568.D\data.ms

(34) Benzo[g,h,i]perylene (t)

19.107min (+0.016) 1.50ppb

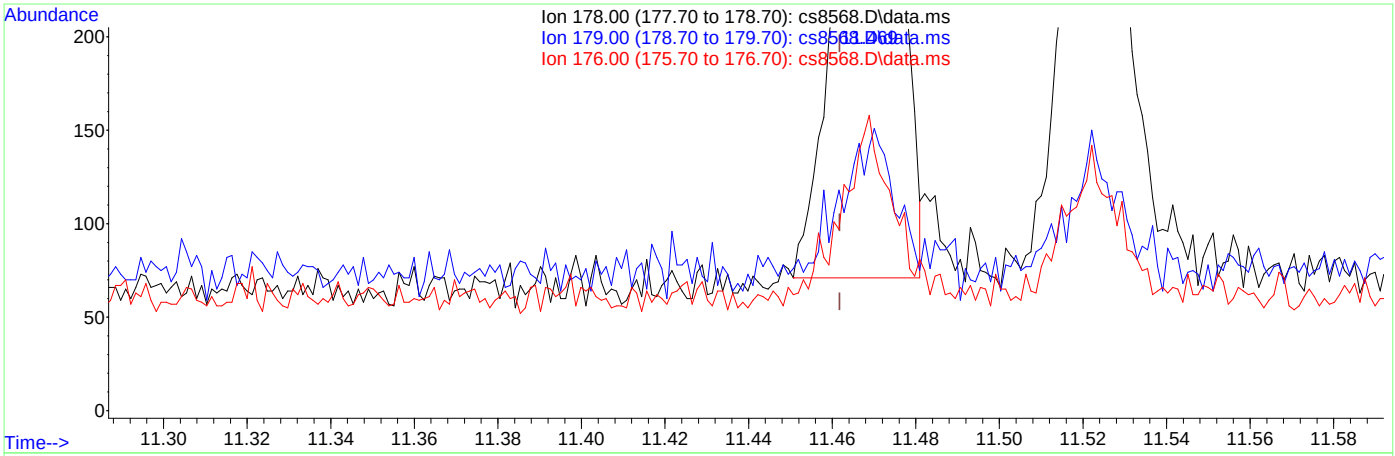
response 159

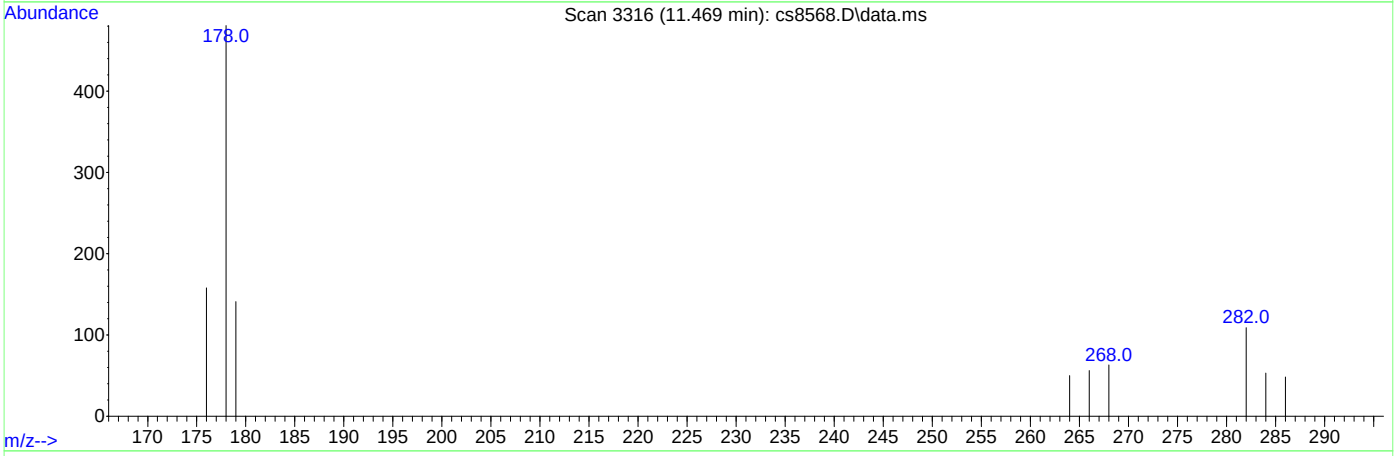
Ion	Exp%	Act%
276.00	100	100
278.00	2.60	0.41
279.00	0.20	10.25
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8568.D
Acq On : 17 Sep 2025 11:28 am
Operator : rocquans
Sample : ic446-0.002
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 17 16:21:34 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration





TIC: cs8568.D\data.ms

(21) Phenanthrene (t)

11.469min (+0.007) 1.82ppb

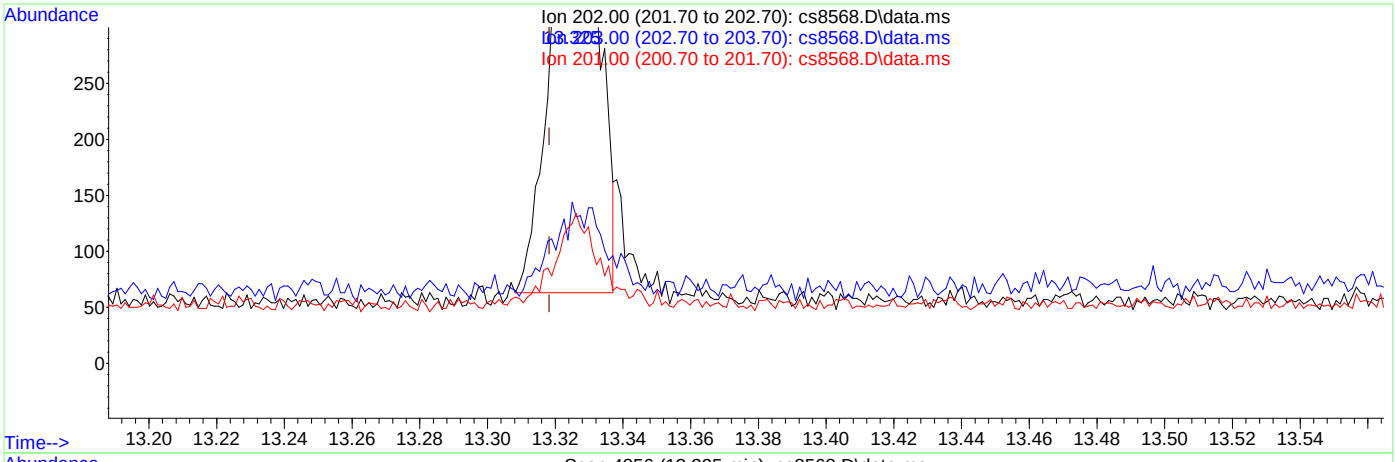
response 380

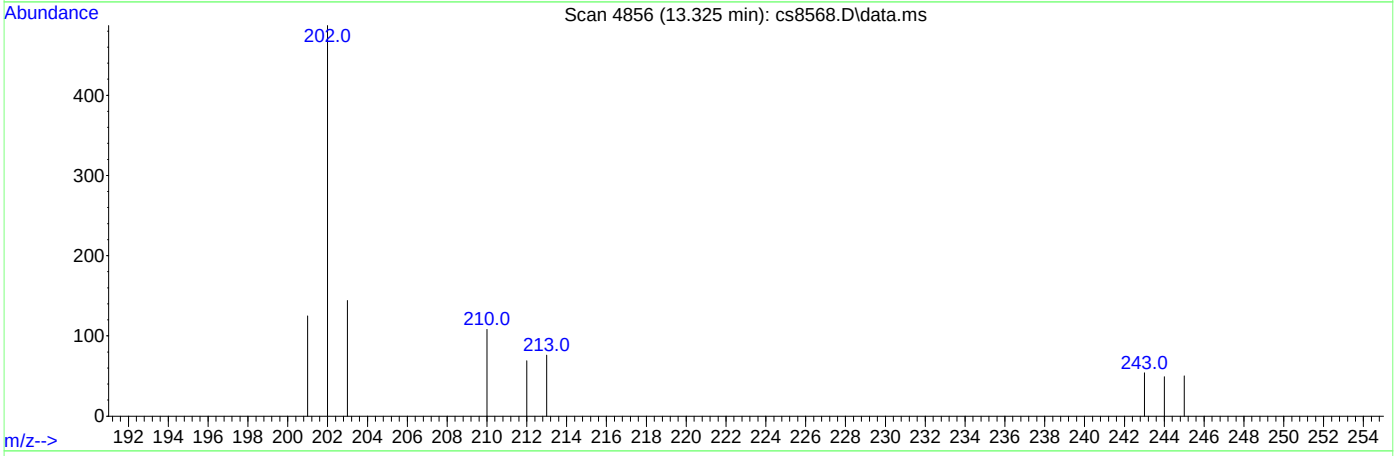
Ion	Exp%	Act%
178.00	100	100
179.00	15.70	16.82
176.00	19.20	22.21
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8568.D
Acq On : 17 Sep 2025 11:28 am
Operator : rocquans
Sample : ic446-0.002
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 17 16:21:34 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration





TIC: cs8568.D\data.ms

(24) Pyrene (t)

13.325min (+0.007) 1.73ppb

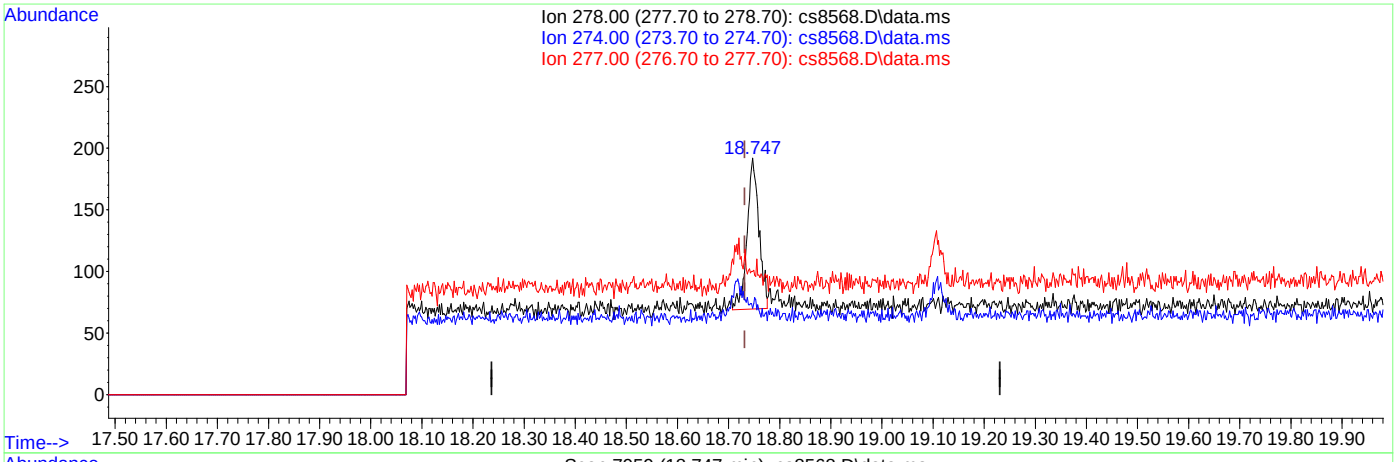
response 384

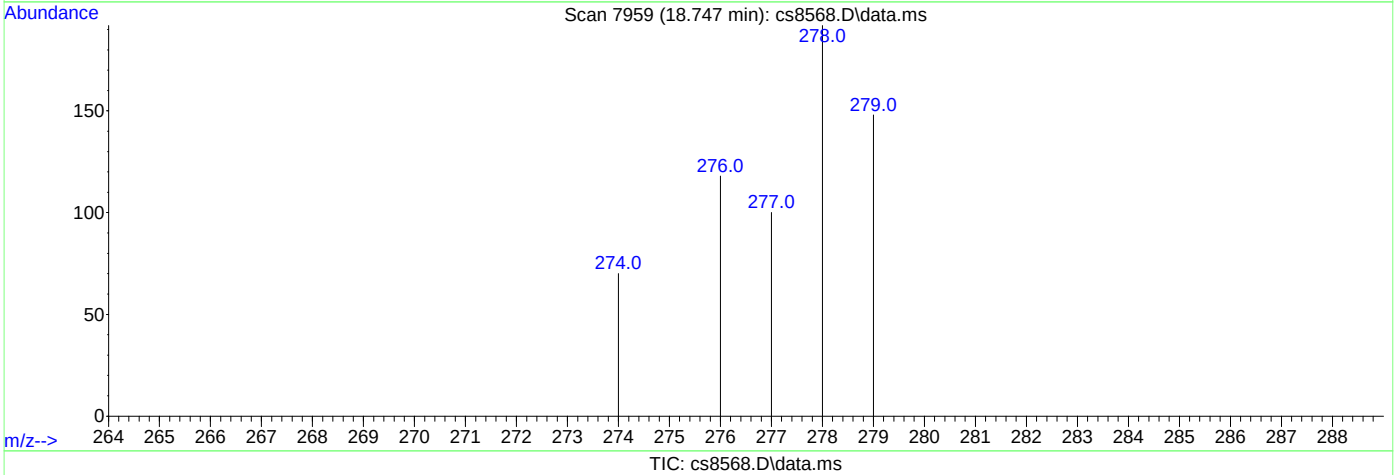
Ion	Exp%	Act%
202.00	100	100
203.00	17.10	16.96
201.00	16.40	16.82
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8568.D
Acq On : 17 Sep 2025 11:28 am
Operator : rocquans
Sample : ic446-0.002
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 17 16:21:34 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration





TIC: cs8568.D\data.ms

(33) Dibenz[a,h]anthracene (t)

18.747min (+0.016) 1.90ppb m

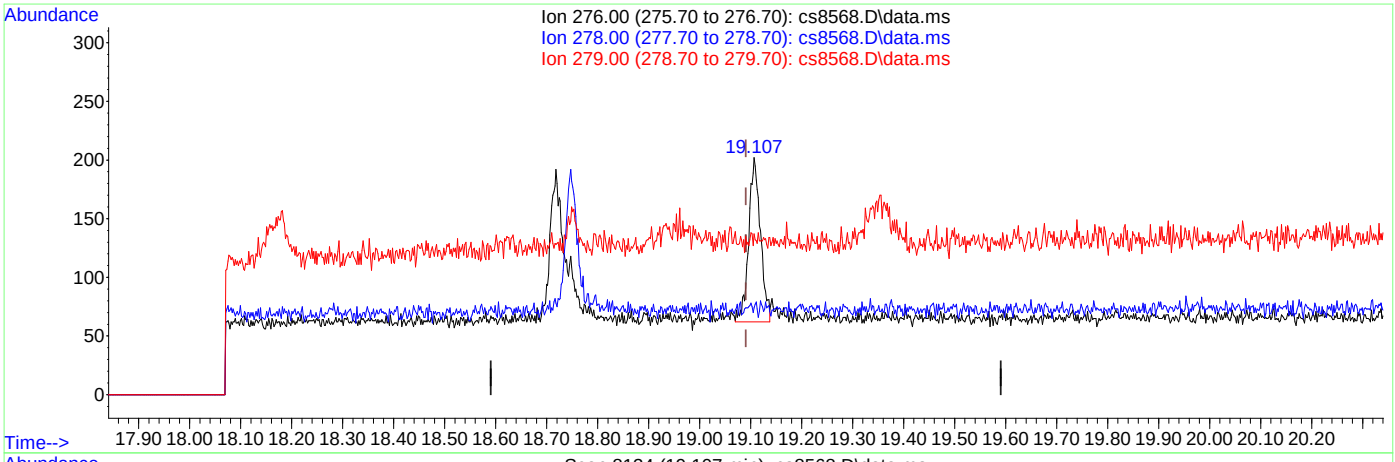
response 196

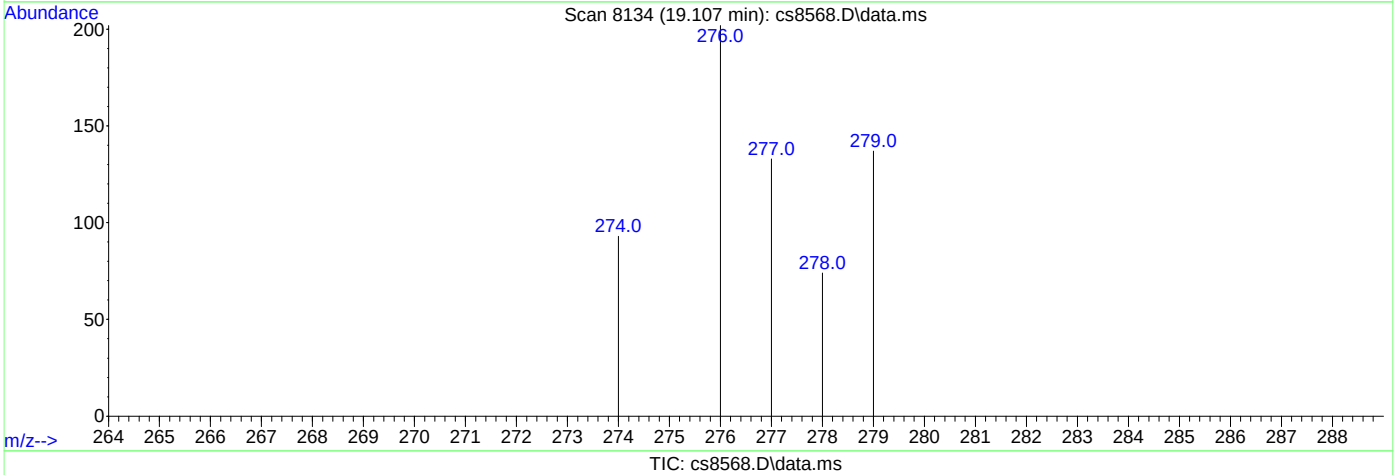
Ion	Exp%	Act%
278.00	100	100
274.00	8.40	36.46
277.00	7.80	52.08#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8568.D
Acq On : 17 Sep 2025 11:28 am
Operator : rocquans
Sample : ic446-0.002
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 17 16:21:34 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration





TIC: cs8568.D\data.ms

(34) Benzo[g,h,i]perylene (t)

19.107min (+0.016) 2.12ppb m

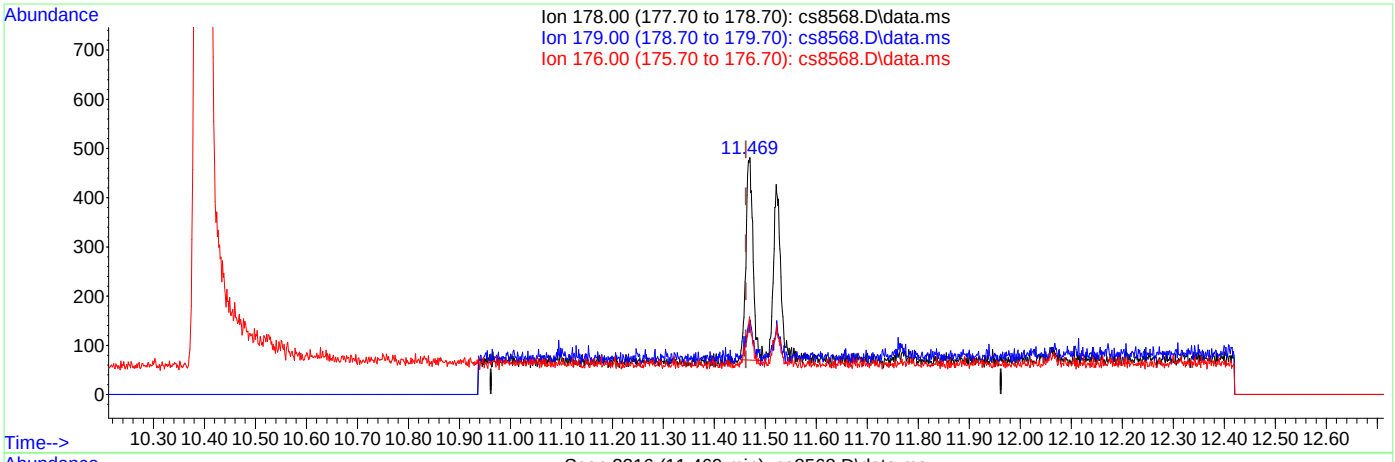
response 225

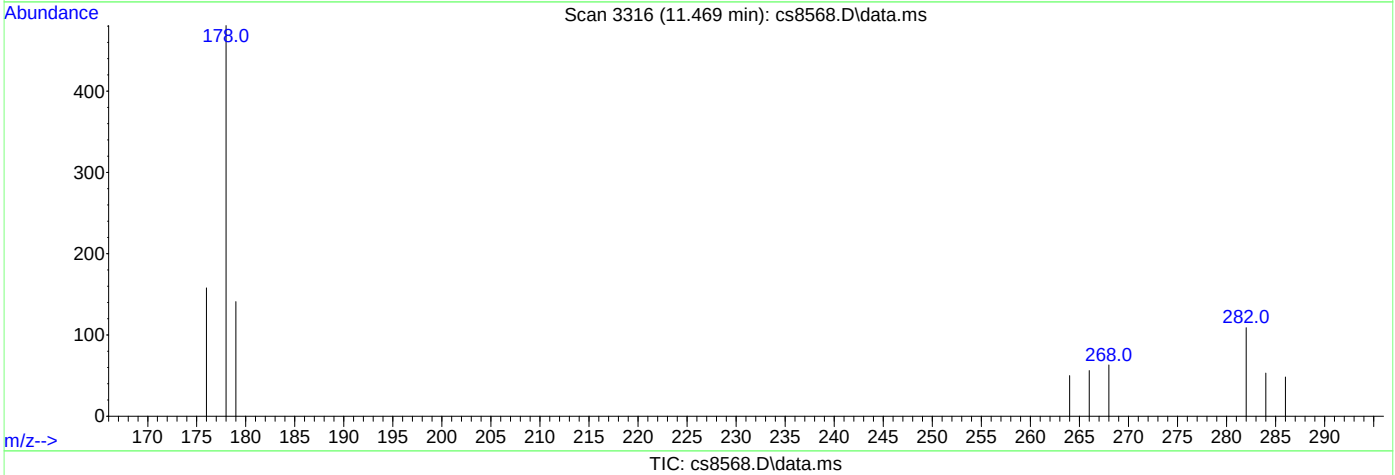
Ion	Exp%	Act%
276.00	100	100
278.00	2.60	36.63#
279.00	0.20	67.82#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8568.D
Acq On : 17 Sep 2025 11:28 am
Operator : rocquans
Sample : ic446-0.002
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 17 16:21:34 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration





TIC: cs8568.D\data.ms

(21) Phenanthrene (t)

11.469min (+0.007) 1.90ppb m

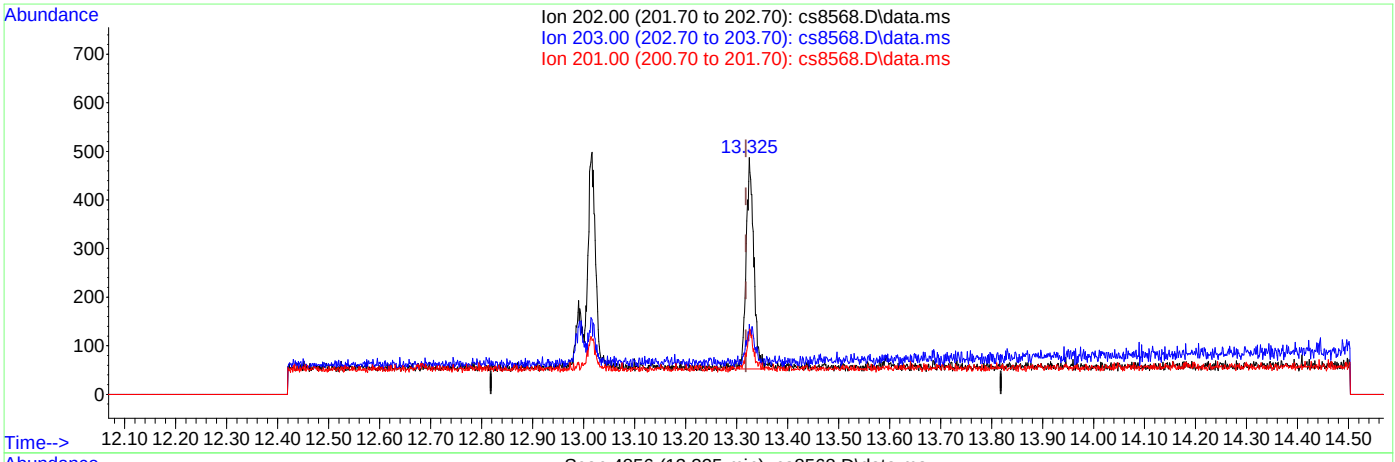
response 397

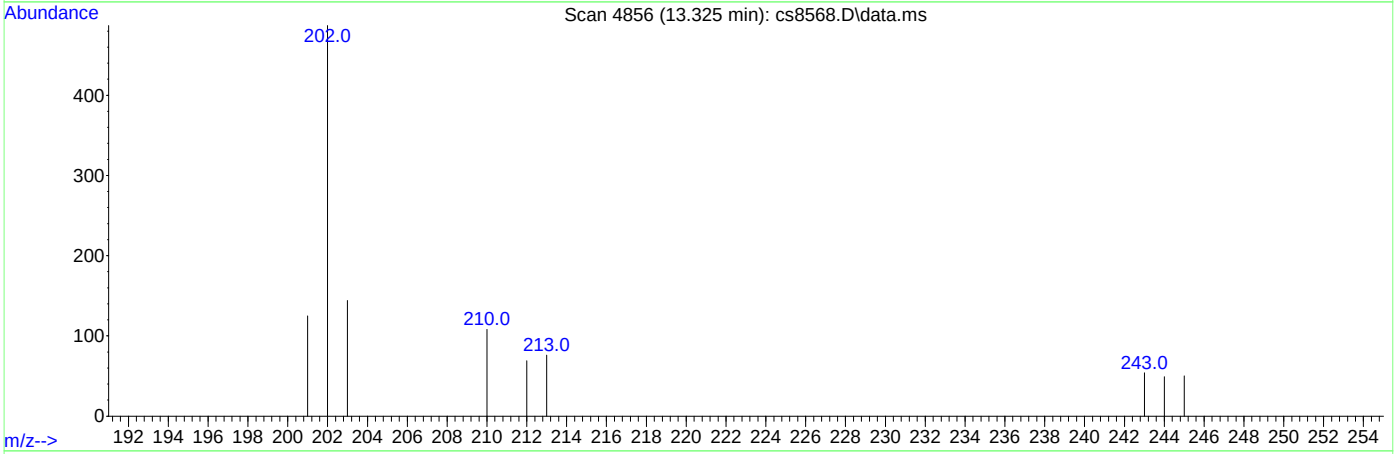
Ion	Exp%	Act%
178.00	100	100
179.00	15.70	29.31
176.00	19.20	32.85
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8568.D
Acq On : 17 Sep 2025 11:28 am
Operator : rocquans
Sample : ic446-0.002
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 17 16:21:34 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration





TIC: cs8568.D\data.ms

(24) Pyrene (t)

13.325min (+0.007) 1.99ppb m

response 443

Ion	Exp%	Act%
202.00	100	100
203.00	17.10	29.57
201.00	16.40	25.67
0.00	0.00	0.00

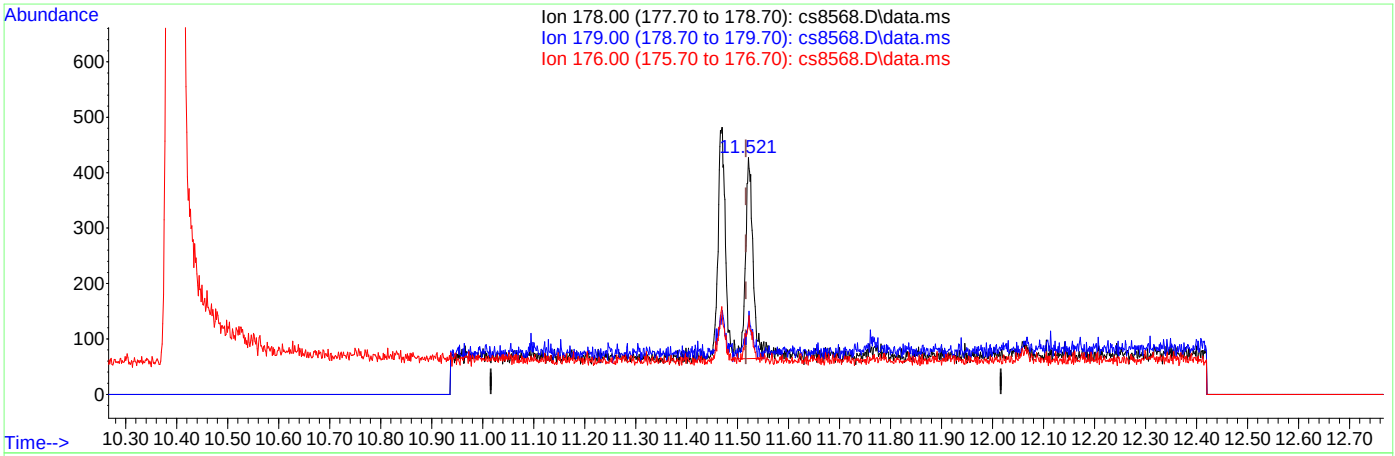
9.6.1.17

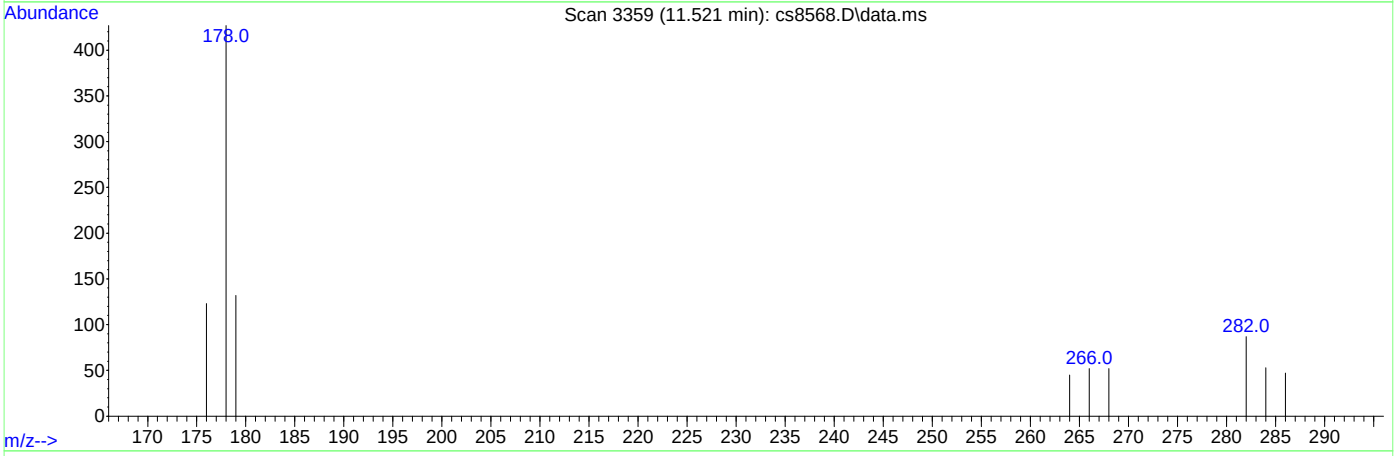
9

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8568.D
Acq On : 17 Sep 2025 11:28 am
Operator : rocquans
Sample : ic446-0.002
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 17 16:21:34 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration





TIC: cs8568.D\data.ms

(22) Anthracene (t)

11.521min (+0.005) 1.83ppb m

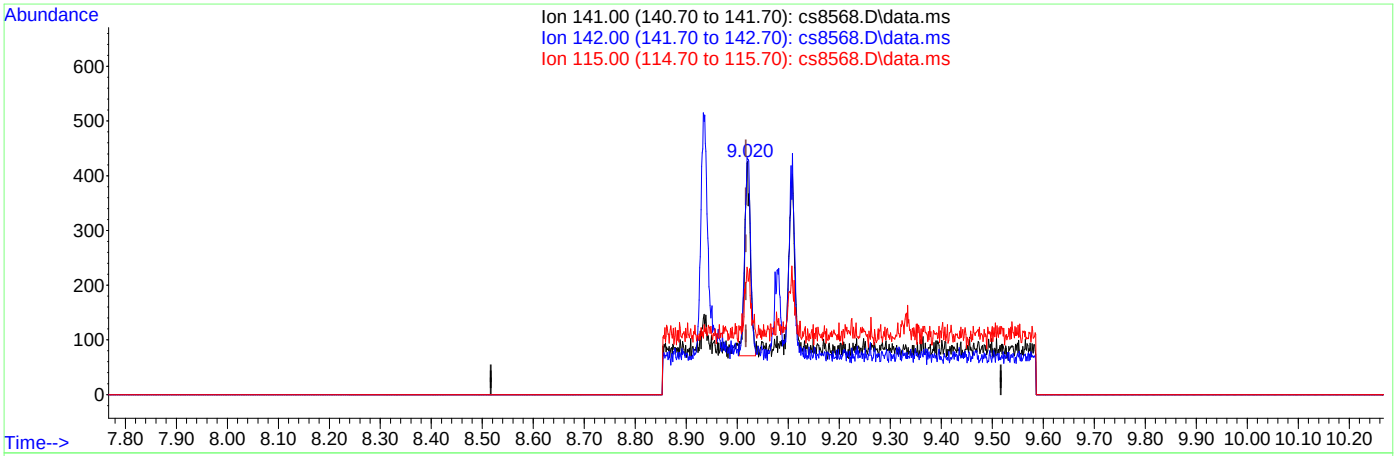
response 362

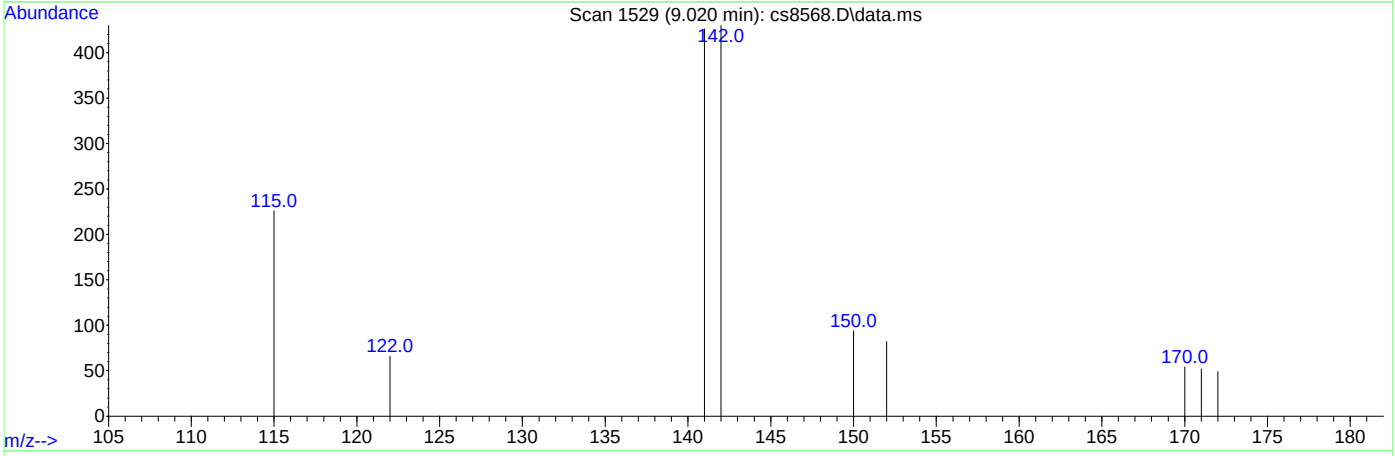
Ion	Exp%	Act%
178.00	100	100
179.00	15.20	30.91
176.00	18.40	28.81
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8568.D
Acq On : 17 Sep 2025 11:28 am
Operator : rocquans
Sample : ic446-0.002
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 17 16:21:34 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration





TIC: cs8568.D\data.ms

(9) 2-Methylnaphthalene (t)

9.020min (+0.003) 2.28ppb m

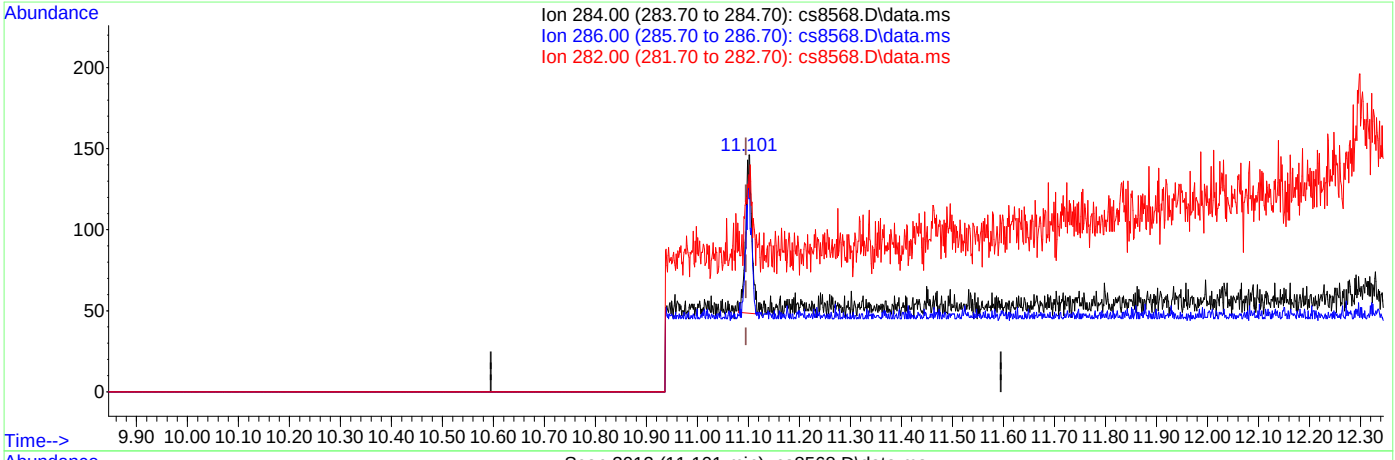
response 272

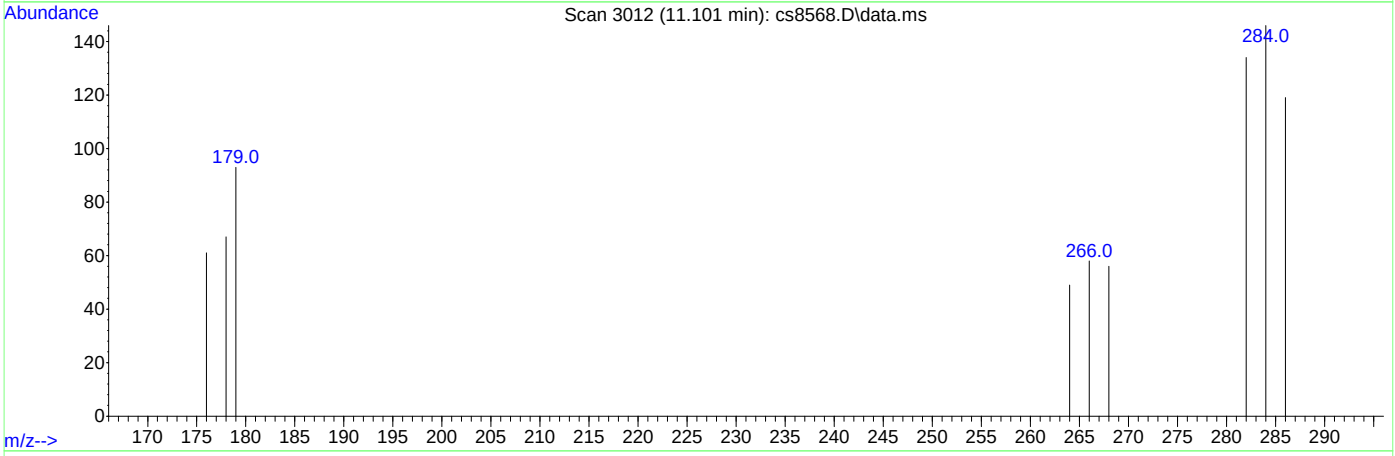
Ion	Exp%	Act%
141.00	100	100
142.00	113.10	100.94
115.00	35.80	53.05
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8568.D
Acq On : 17 Sep 2025 11:28 am
Operator : rocquans
Sample : ic446-0.002
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 17 16:21:34 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration





TIC: cs8568.D\data.ms

(19) Hexachlorobenzene (t)

11.101min (+0.006) 2.13ppb m

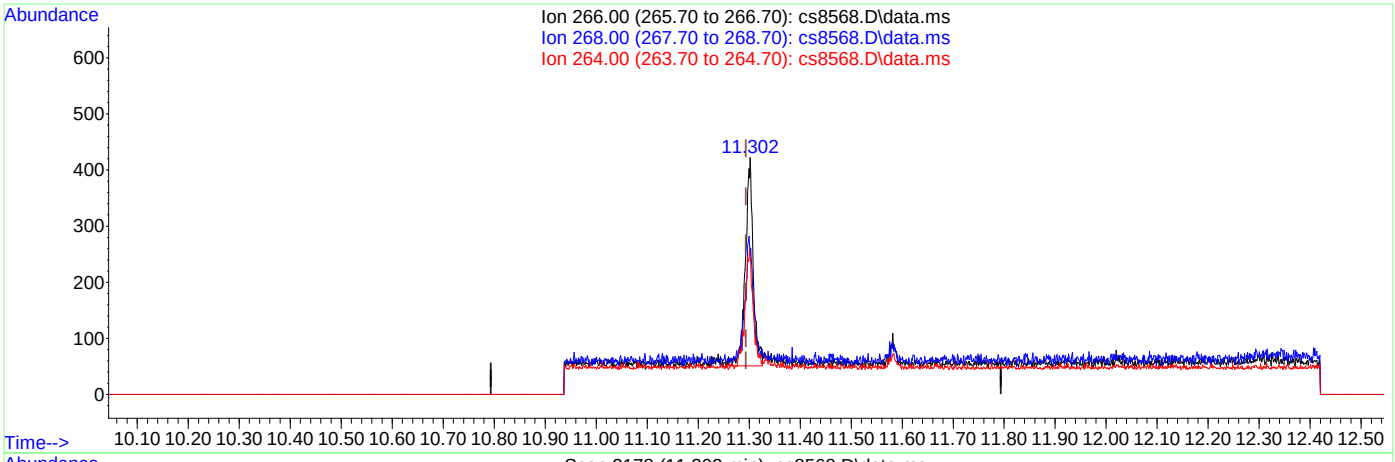
response 83

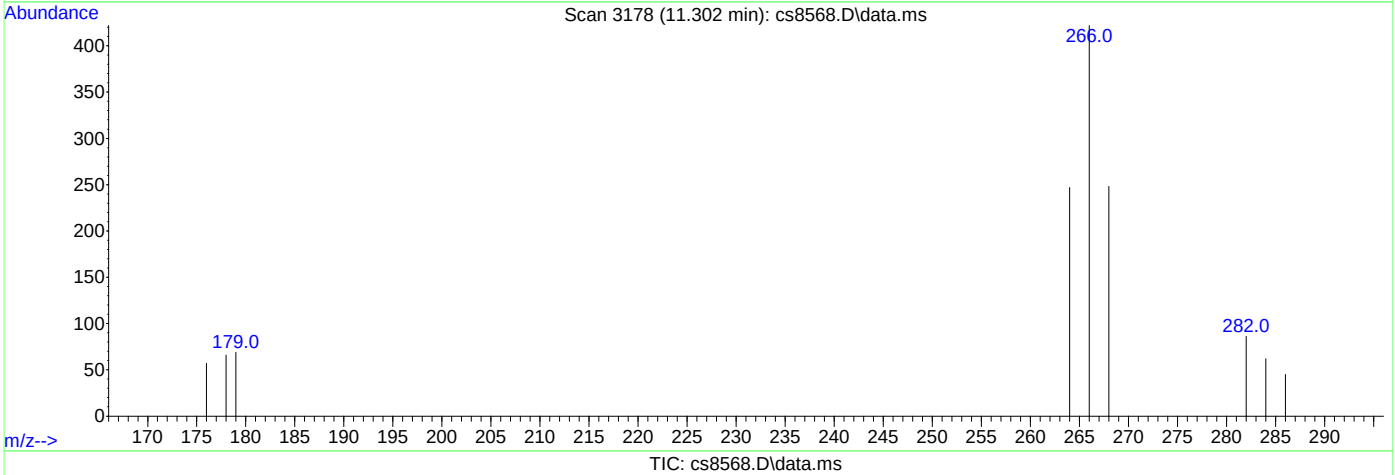
Ion	Exp%	Act%
284.00	100	100
286.00	78.00	81.51
282.00	53.80	91.78#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8568.D
Acq On : 17 Sep 2025 11:28 am
Operator : rocquans
Sample : ic446-0.002
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 17 16:21:34 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration





TIC: cs8568.D\data.ms

(20) Pentachlorophenol (t)

11.302min (+0.008) 19.88ppb m

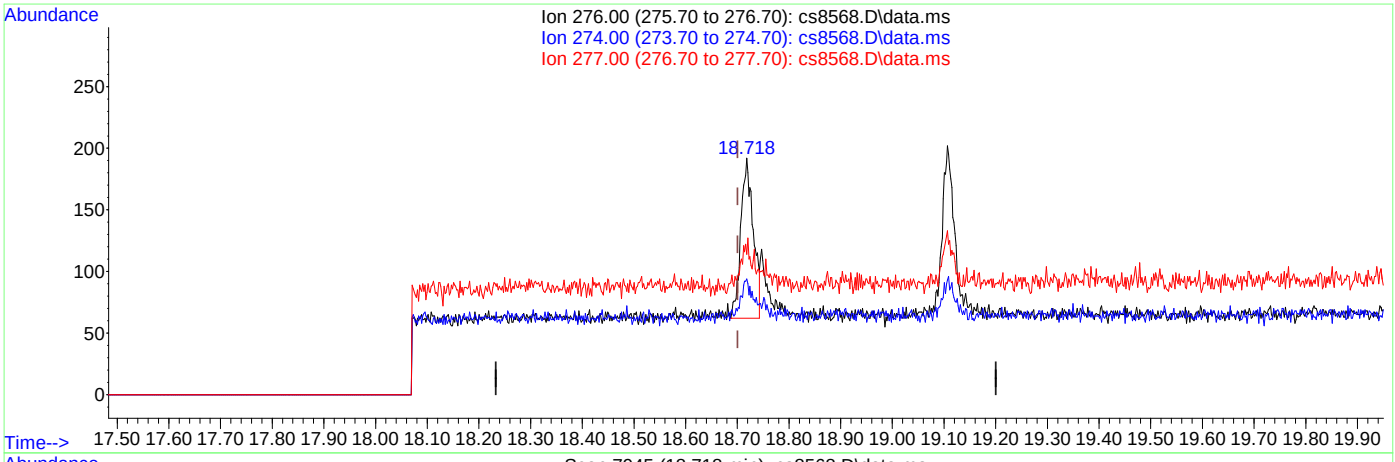
response 397

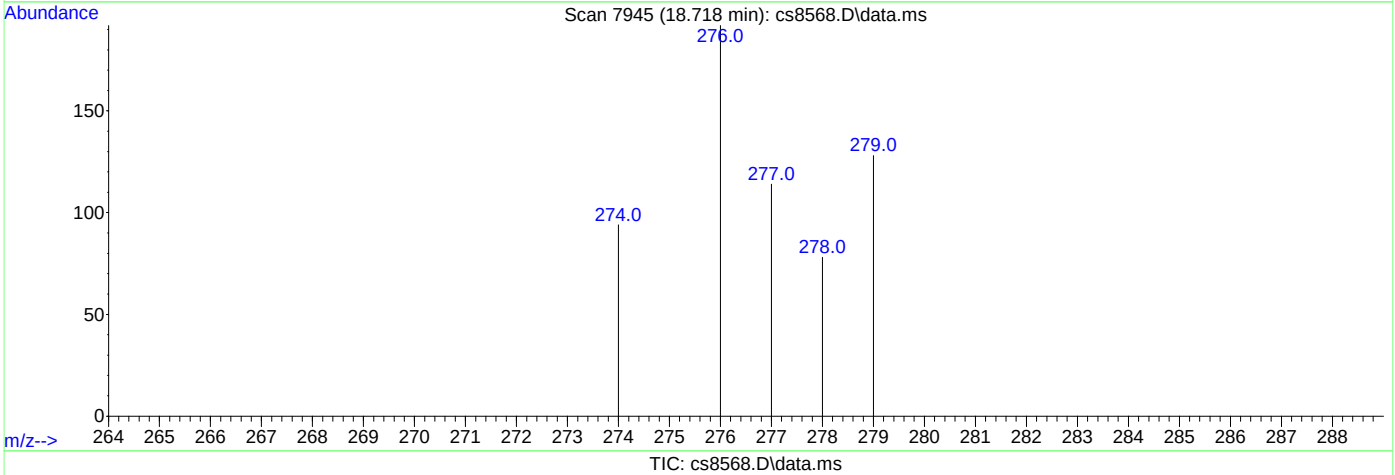
Ion	Exp%	Act%
266.00	100	100
268.00	63.10	29.72#
264.00	63.00	16.12#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8568.D
Acq On : 17 Sep 2025 11:28 am
Operator : rocquans
Sample : ic446-0.002
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 17 16:21:34 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration





TIC: cs8568.D\data.ms

(32) Indeno[1,2,3-cd]pyrene (t)

18.718min (+0.018) 2.00ppb m

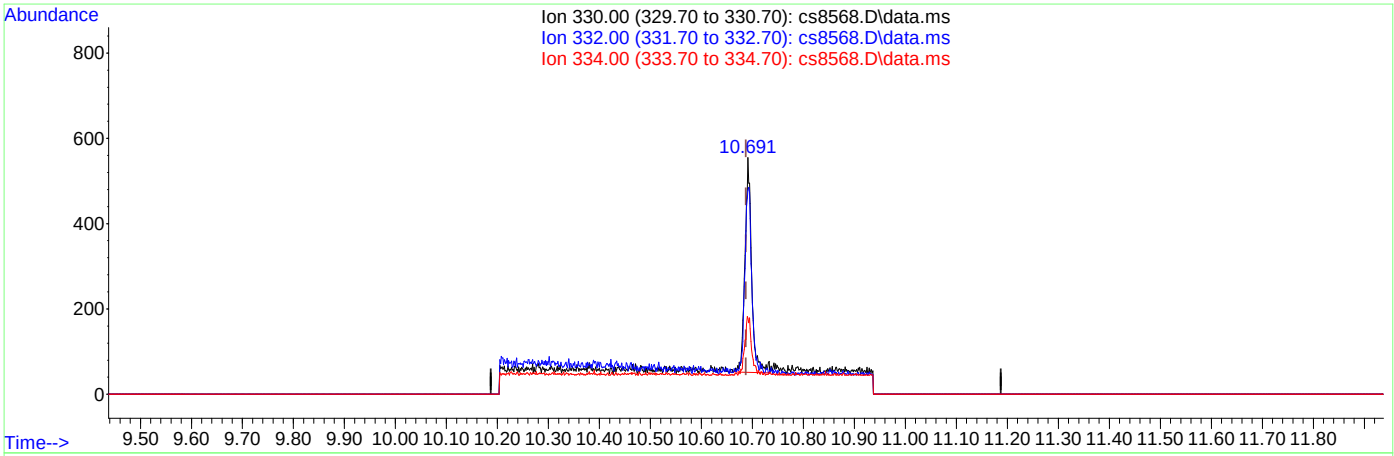
response 218

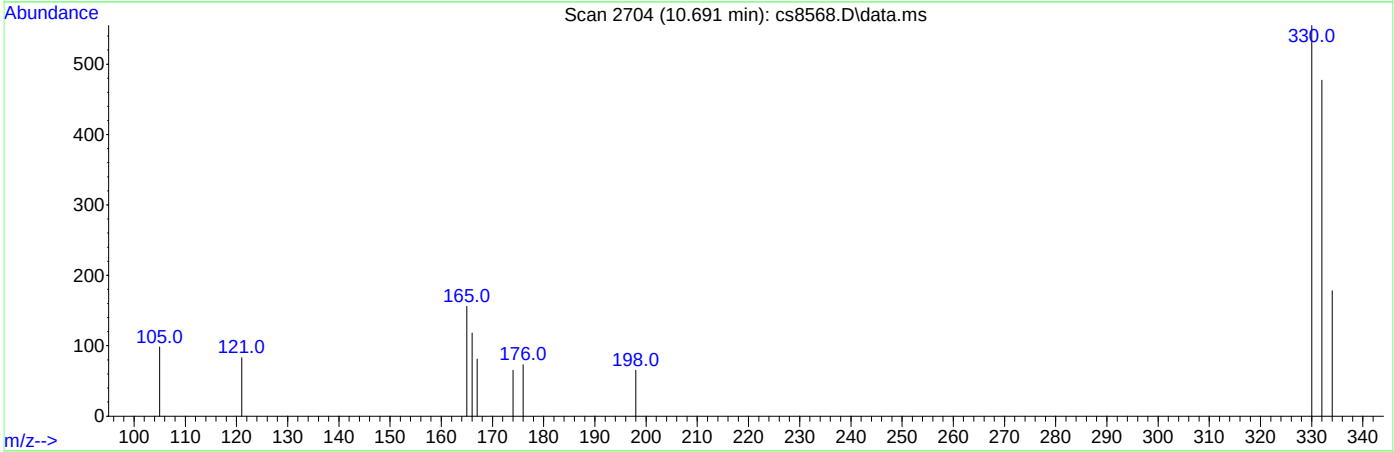
Ion	Exp%	Act%
276.00	100	100
274.00	20.40	48.96
277.00	22.40	59.38#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8568.D
Acq On : 17 Sep 2025 11:28 am
Operator : rocquans
Sample : ic446-0.002
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 17 16:21:34 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration





TIC: cs8568.D\data.ms

(17) 2,4,6-Tribromophenol (S)

10.691min (+0.004) 31.96ppb m

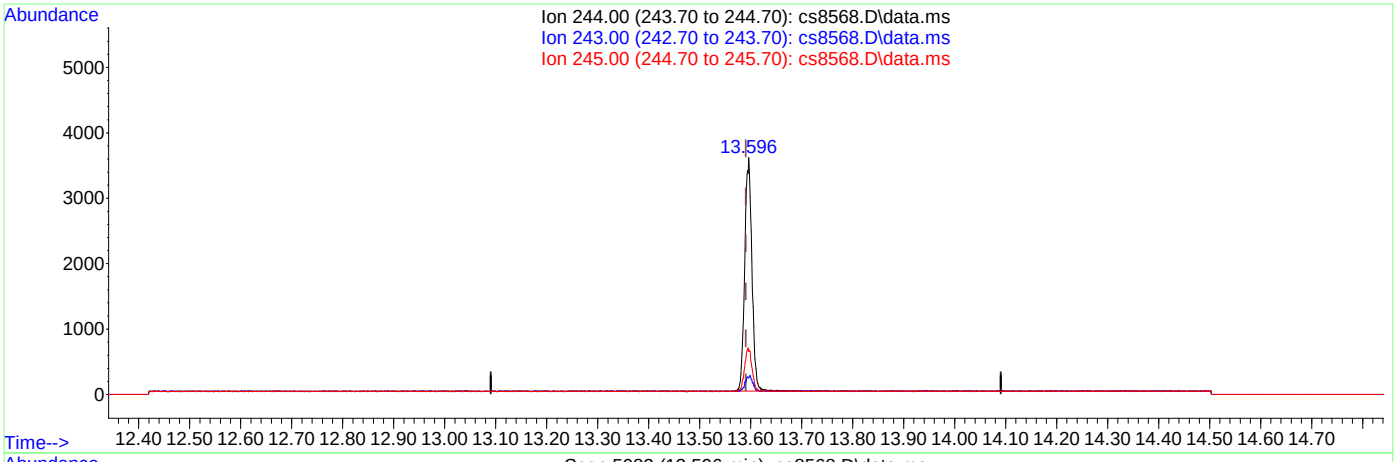
response 459

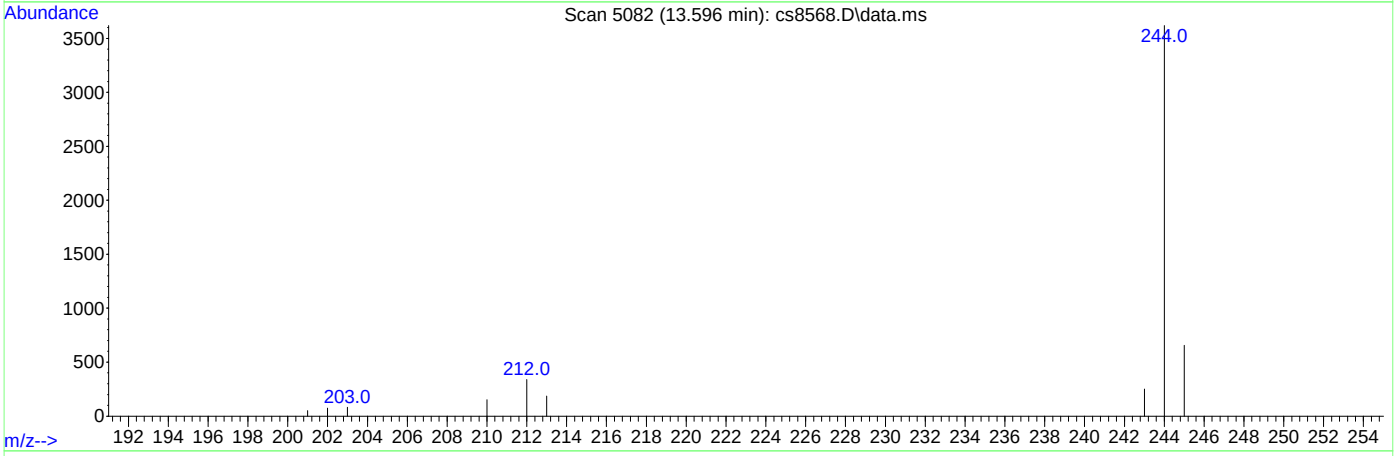
Ion	Exp%	Act%
330.00	100	100
332.00	95.70	85.95
334.00	30.50	32.07
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8568.D
Acq On : 17 Sep 2025 11:28 am
Operator : rocquans
Sample : ic446-0.002
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 17 16:21:34 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration





TIC: cs8568.D\data.ms

(25) Terphenyl-d14 (S)

13.596min (+0.006) 39.75ppb m

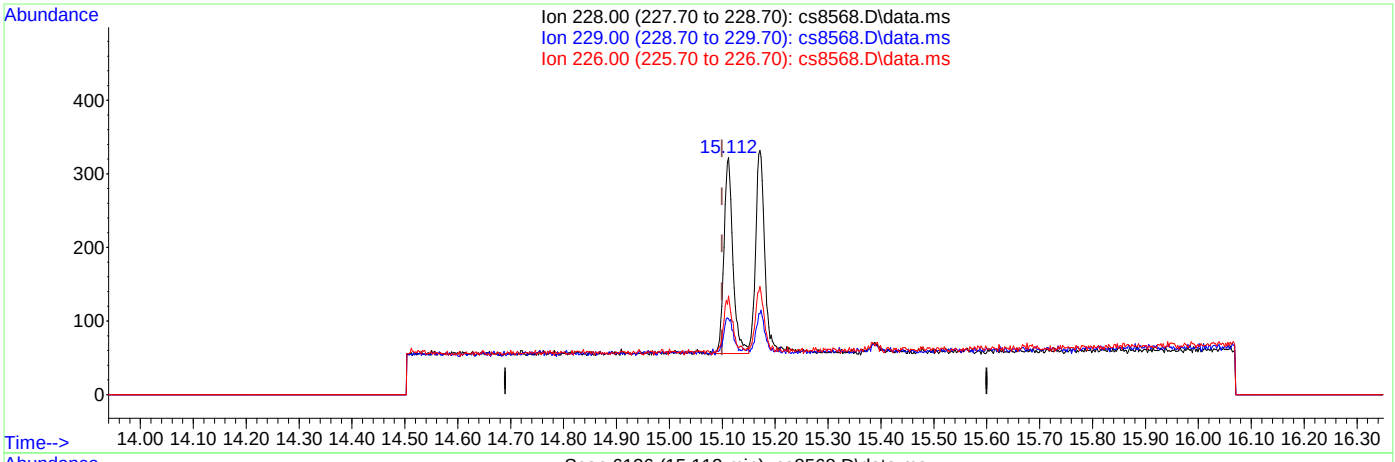
response 3459

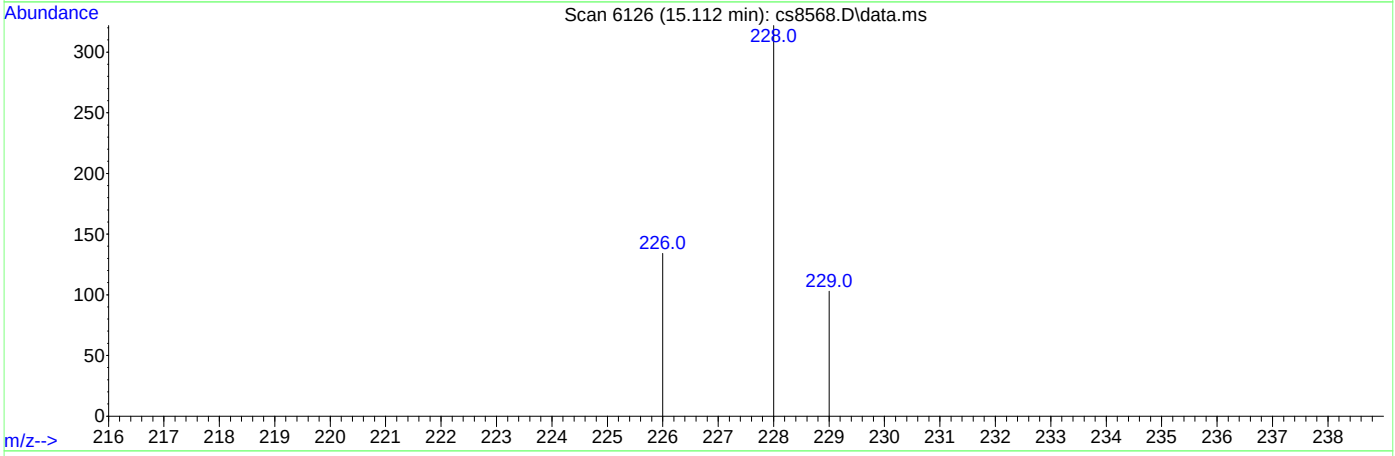
Ion	Exp%	Act%
244.00	100	100
243.00	6.50	6.93
245.00	18.80	18.09
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8568.D
Acq On : 17 Sep 2025 11:28 am
Operator : rocquans
Sample : ic446-0.002
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 17 16:21:34 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration





TIC: cs8568.D\data.ms

(26) Benzo[a]anthracene (t)

15.112min (+0.012) 1.93ppb m

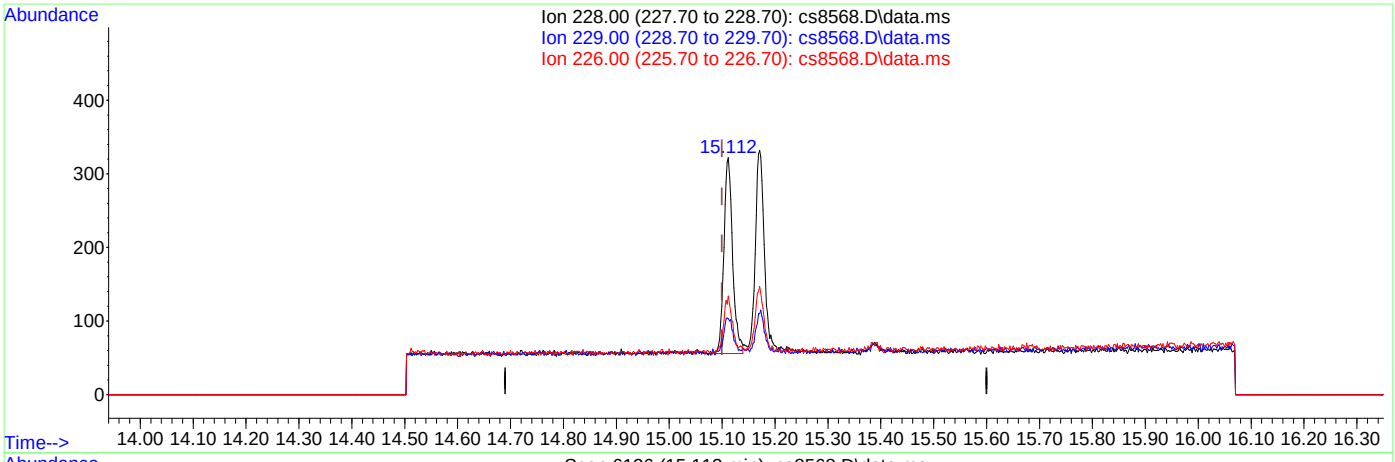
response 313

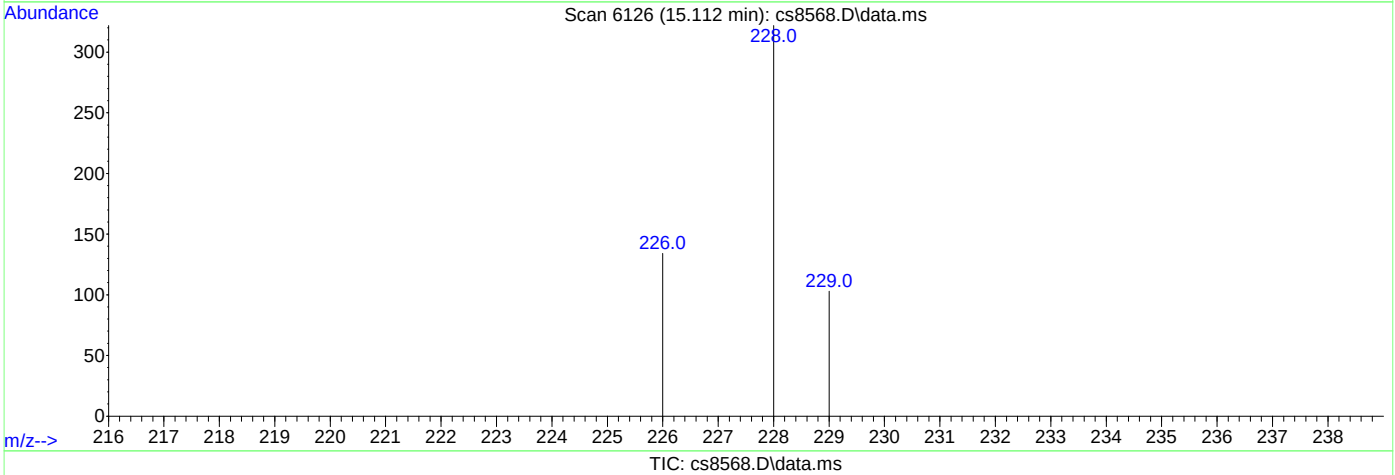
Ion	Exp%	Act%
228.00	100	100
229.00	19.10	31.99
226.00	27.00	41.61
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS445\
Data File : cs8568.D
Acq On : 17 Sep 2025 11:28 am
Operator : rocquans
Sample : ic446-0.002
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 18 10:47:24 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 17:26:33 2025
Response via : Initial Calibration





TIC: cs8568.D\data.ms

(26) Benzo[a]anthracene (t)

15.112min (+0.012) 1.96ppb

response 307

Ion	Exp%	Act%
228.00	100	100
229.00	19.10	17.08
226.00	27.00	28.60
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Ying Li
09/18/25 10:52

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8569.D
Acq On : 17 Sep 2025 11:55 am
Operator : rocquans
Sample : ic446-0.004
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Sep 17 16:21:36 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration

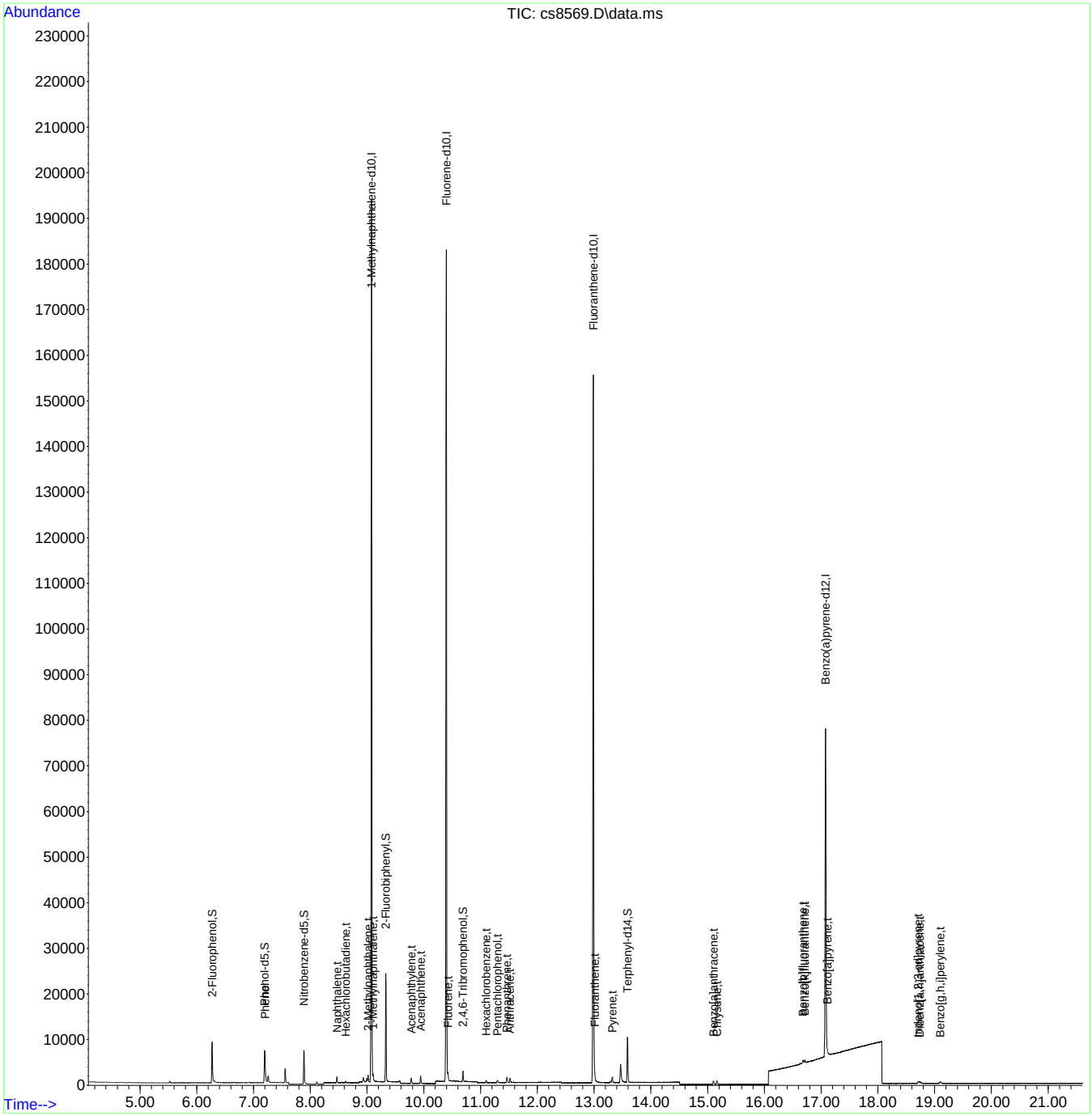
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	9.077	150	60380	800.00	ppb	0.00
11) Fluorene-d10	10.396	176	78001	800.00	ppb	0.00
18) Fluoranthene-d10	12.986	212	116887	800.00	ppb	0.00
28) Benzo(a)pyrene-d12	17.077	264	62721	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	6.270	112	4630	73.36	ppb	0.00
Spiked Amount 10000.000			Recovery = 0.73%			
4) Phenol-d5	7.195	99	5467	74.90	ppb	0.00
Spiked Amount 10000.000			Recovery = 0.75%			
6) Nitrobenzene-d5	7.887	82	4612	77.81	ppb	0.00
Spiked Amount 10000.000			Recovery = 0.78%			
12) 2-Fluorobiphenyl	9.331	172	11529	88.46	ppb	0.00
Spiked Amount 10000.000			Recovery = 0.88%			
17) 2,4,6-Tribromophenol	10.687	330	811	54.93	ppb	0.00
Spiked Amount 10000.000			Recovery = 0.55%			
25) Terphenyl-d14	13.588	244	7055	79.53	ppb	0.00
Spiked Amount 10000.000			Recovery = 0.80%			
Target Compounds						Qvalue
5) Phenol	7.205	94	1646	19.92	ppb	99
7) Naphthalene	8.469	128	914	4.24	ppb	99
8) Hexachlorobutadiene	8.624	225	133m	4.21	ppb	
9) 2-Methylnaphthalene	9.019	141	507m	4.24	ppb	
10) 1-Methylnaphthalene	9.106	141	490m	4.26	ppb	
13) Acenaphthylene	9.778	152	755	3.81	ppb	97
14) Acenaphthene	9.944	153	551	4.07	ppb	98
15) Fluorene	10.424	166	604	3.95	ppb	96
19) Hexachlorobenzene	11.097	284	177m	4.45	ppb	
20) Pentachlorophenol	11.297	266	230m	11.30	ppb	
21) Phenanthrene	11.463	178	841	3.94	ppb	94
22) Anthracene	11.517	178	688	3.40	ppb	97
23) Fluoranthene	13.010	202	883	3.95	ppb	96
24) Pyrene	13.321	202	908m	4.00	ppb	
26) Benzo[a]anthracene	15.104	228	629	3.80	ppb	99
27) Chrysene	15.165	228	622	3.73	ppb	97
29) Benzo[b]fluoranthene	16.677	252	561	4.01	ppb	86
30) Benzo[k]fluoranthene	16.713	252	521	3.84	ppb	90
31) Benzo[a]pyrene	17.107	252	465	3.61	ppb	82
32) Indeno[1,2,3-cd]pyrene	18.706	276	379m	3.60	ppb	
33) Dibenz[a,h]anthracene	18.737	278	367m	3.69	ppb	
34) Benzo[g,h,i]perylene	19.097	276	410m	4.01	ppb	

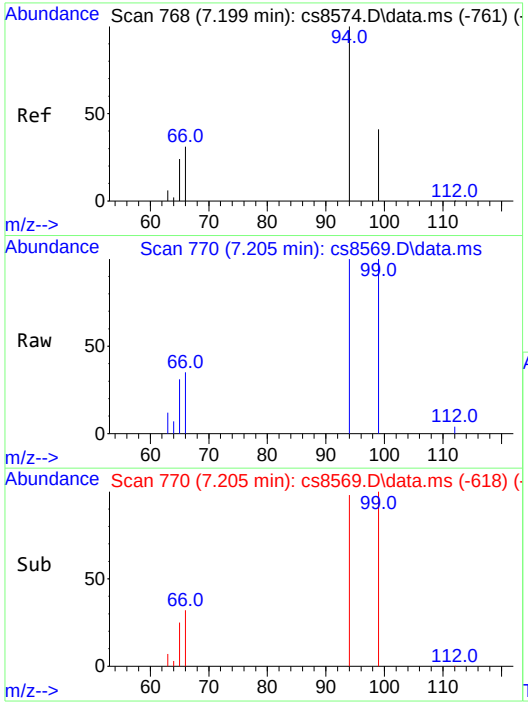
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8569.D
Acq On : 17 Sep 2025 11:55 am
Operator : rocquans
Sample : ic446-0.004
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Sep 17 16:21:36 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration

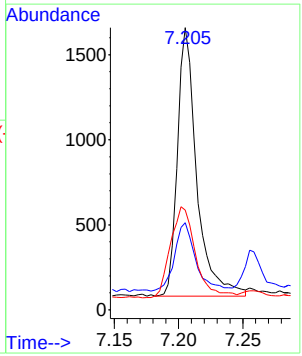


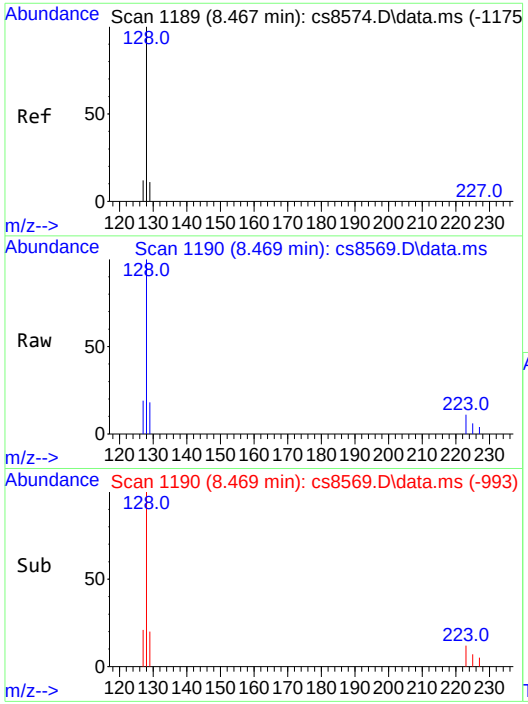


#5
Phenol
Concen: 19.92 ppb
RT: 7.205 min Scan# 770
Delta R.T. 0.007 min
Lab File: cs8569.D
Acq: 17 Sep 2025 11:55 am

Tgt Ion: 94 Resp: 1646

Ion	Ratio	Lower	Upper
94	100		
65	20.9	17.0	25.4
66	31.4	24.6	37.0

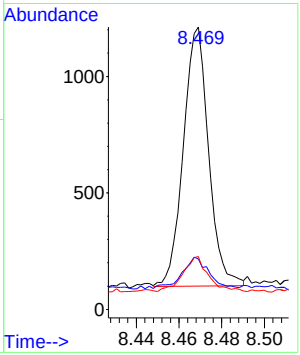


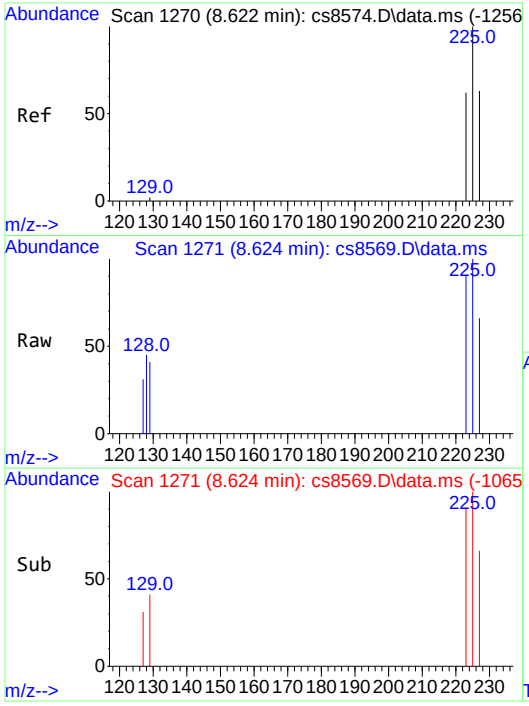


#7
Naphthalene
Concen: 4.24 ppb
RT: 8.469 min Scan# 1190
Delta R.T. 0.002 min
Lab File: cs8569.D
Acq: 17 Sep 2025 11:55 am

Tgt Ion:128 Resp: 914

Ion	Ratio	Lower	Upper
128	100		
129	10.9	0.0	40.8
127	13.4	0.0	42.4

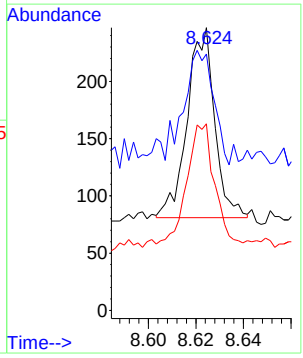


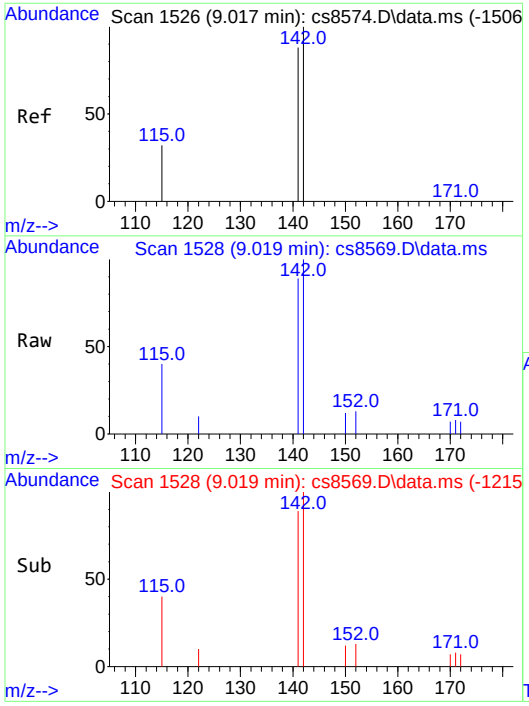


#8
Hexachlorobutadiene
Concen: 4.21 ppb m
RT: 8.624 min Scan# 1271
Delta R.T. 0.002 min
Lab File: cs8569.D
Acq: 17 Sep 2025 11:55 am

Tgt Ion:225 Resp: 133

Ion	Ratio	Lower	Upper
225	100		
223	90.7	31.8	91.8
227	66.0	32.6	92.6

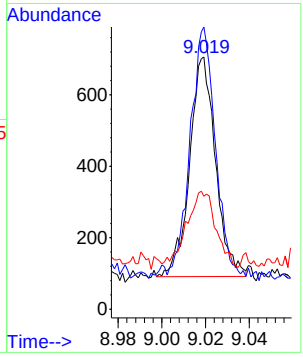


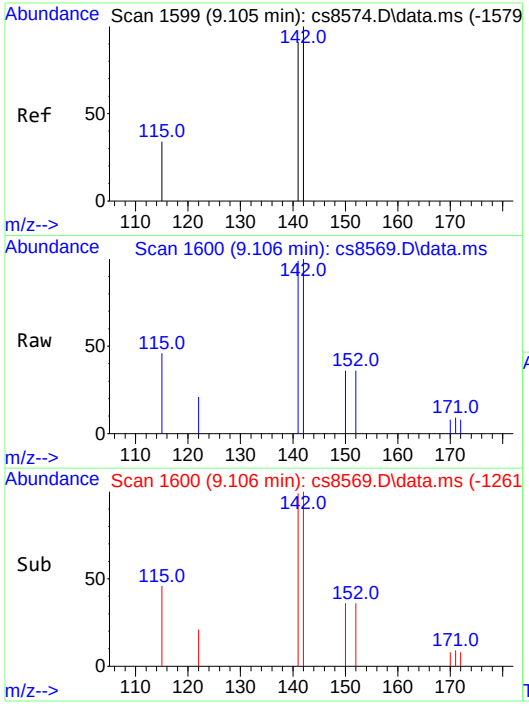


#9
2-Methylnaphthalene
Concen: 4.24 ppb m
RT: 9.019 min Scan# 1528
Delta R.T. 0.002 min
Lab File: cs8569.D
Acq: 17 Sep 2025 11:55 am

Tgt Ion:141 Resp: 507

Ion	Ratio	Lower	Upper
141	100		
142	111.9	83.1	143.1
115	44.8	5.8	65.8

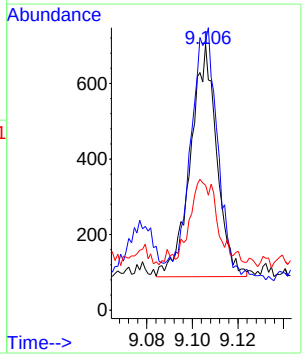


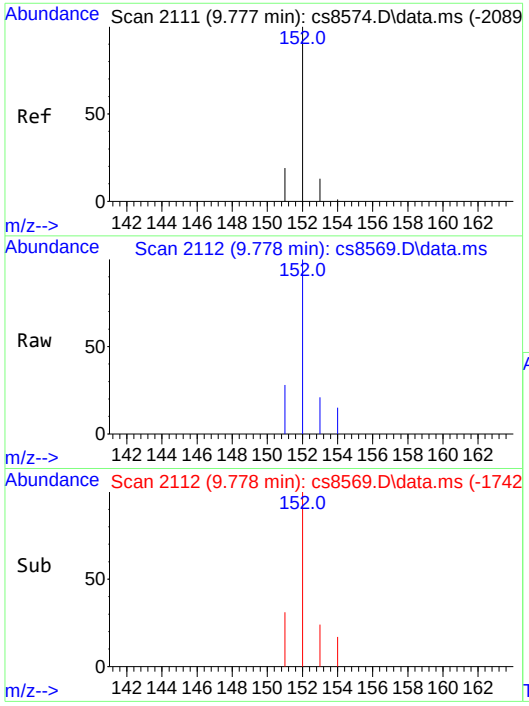


#10
1-Methylnaphthalene
Concen: 4.26 ppb m
RT: 9.106 min Scan# 1600
Delta R.T. 0.001 min
Lab File: cs8569.D
Acq: 17 Sep 2025 11:55 am

Tgt Ion:141 Resp: 490

Ion	Ratio	Lower	Upper
141	100		
142	101.3	80.8	140.8
115	47.0	7.2	67.2

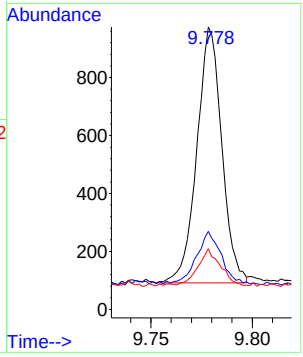


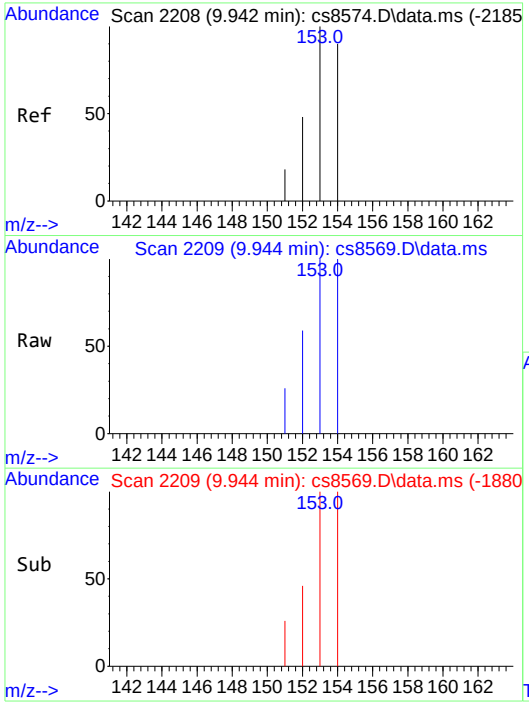


#13
Acenaphthylene
Concen: 3.81 ppb
RT: 9.778 min Scan# 2112
Delta R.T. 0.002 min
Lab File: cs8569.D
Acq: 17 Sep 2025 11:55 am

Tgt Ion:152 Resp: 755

Ion	Ratio	Lower	Upper
152	100		
151	20.3	0.0	49.3
153	14.4	0.0	42.7

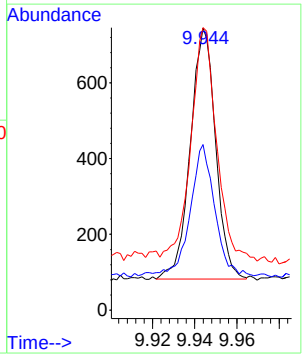


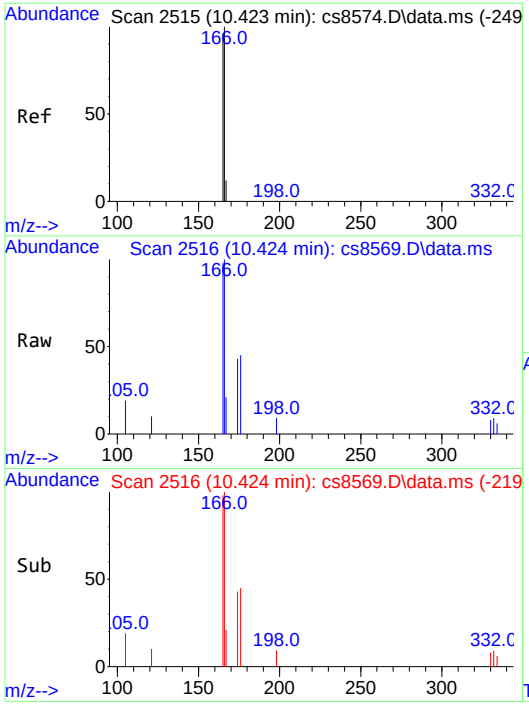


#14
Acenaphthene
Concen: 4.07 ppb
RT: 9.944 min Scan# 2209
Delta R.T. 0.002 min
Lab File: cs8569.D
Acq: 17 Sep 2025 11:55 am

Tgt Ion:153 Resp: 551

Ion	Ratio	Lower	Upper
153	100		
152	51.3	17.7	77.7
154	89.7	59.5	119.5

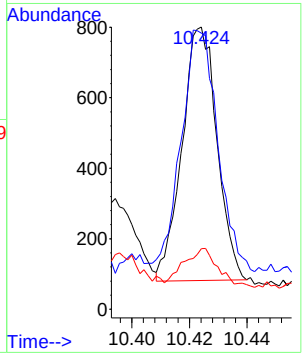


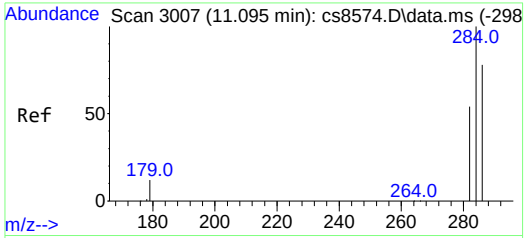


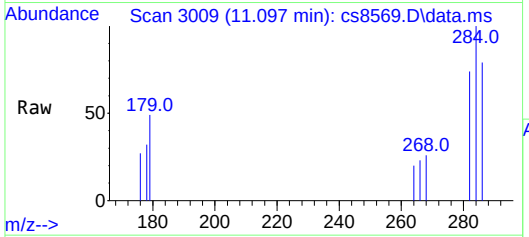
#15
Fluorene
Concen: 3.95 ppb
RT: 10.424 min Scan# 2516
Delta R.T. 0.001 min
Lab File: cs8569.D
Acq: 17 Sep 2025 11:55 am

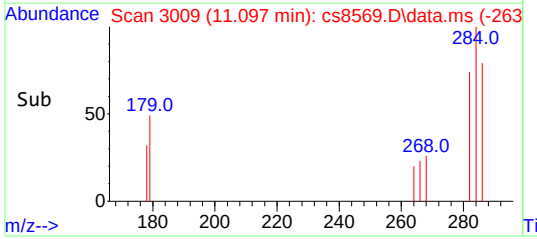
Tgt Ion:166 Resp: 604

Ion	Ratio	Lower	Upper
166	100		
165	91.0	65.7	125.7
167	12.7	0.0	42.4





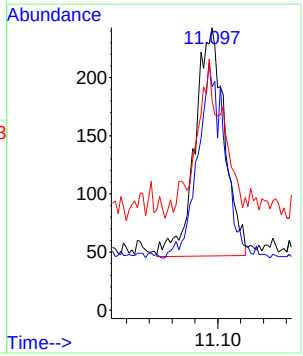


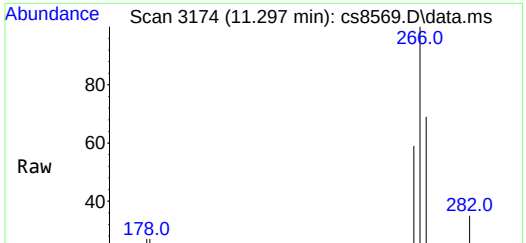


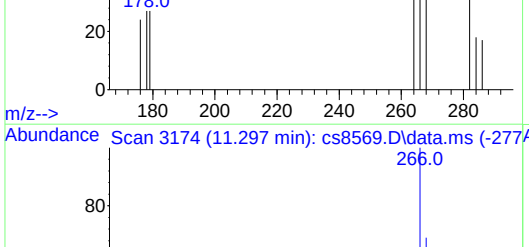
#19
Hexachlorobenzene
Concen: 4.45 ppb m
RT: 11.097 min Scan# 3009
Delta R.T. 0.002 min
Lab File: cs8569.D
Acq: 17 Sep 2025 11:55 am

Tgt Ion:284 Resp: 177

Ion	Ratio	Lower	Upper
284	100		
286	79.0	48.0	108.0
282	74.5	23.8	83.8



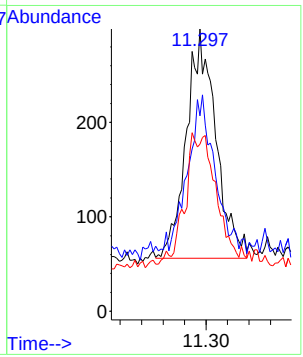


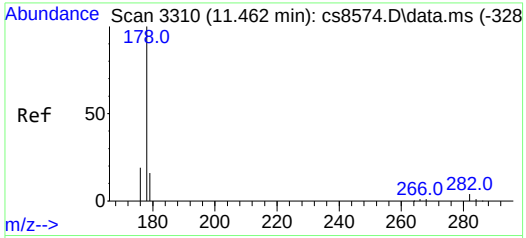


#20
Pentachlorophenol
Concen: 11.30 ppb m
RT: 11.297 min Scan# 3174
Delta R.T. 0.004 min
Lab File: cs8569.D
Acq: 17 Sep 2025 11:55 am

Tgt Ion:266 Resp: 230

Ion	Ratio	Lower	Upper
266	100		
268	0.0	43.1	83.1#
264	16.5	43.0	83.0#

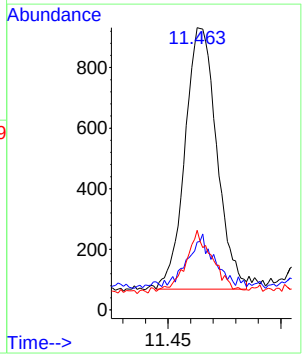


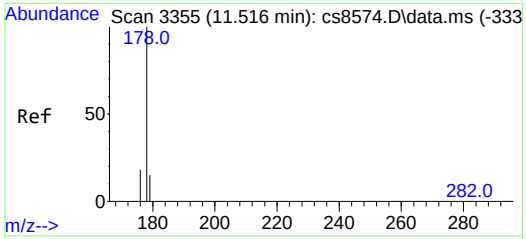


#21
Phenanthrene
Concen: 3.94 ppb
RT: 11.463 min Scan# 3311
Delta R.T. 0.001 min
Lab File: cs8569.D
Acq: 17 Sep 2025 11:55 am

Tgt Ion:178 Resp: 841

Ion	Ratio	Lower	Upper
178	100		
179	16.4	0.0	45.7
176	23.4	0.0	49.2

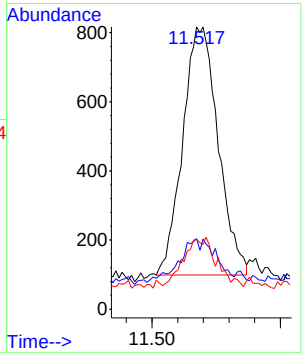


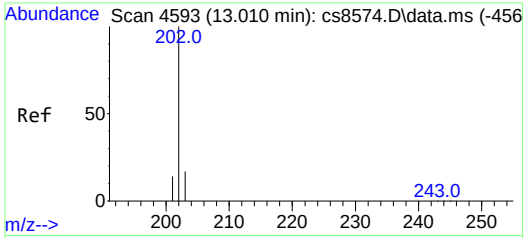


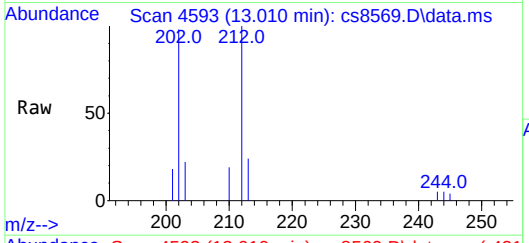
#22
Anthracene
Concen: 3.40 ppb
RT: 11.517 min Scan# 3356
Delta R.T. 0.001 min
Lab File: cs8569.D
Acq: 17 Sep 2025 11:55 am

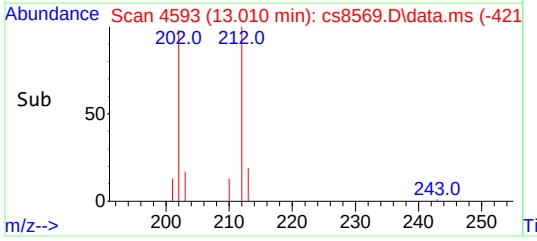
Tgt Ion:178 Resp: 688

Ion	Ratio	Lower	Upper
178	100		
179	16.6	0.0	45.2
176	17.0	0.0	48.4





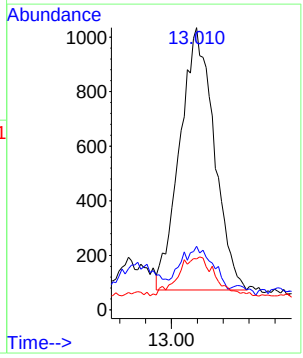


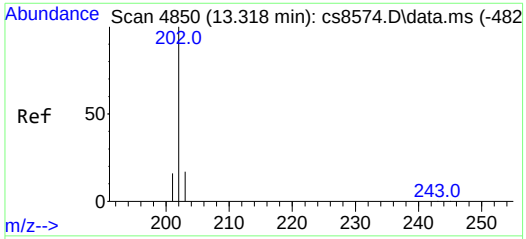


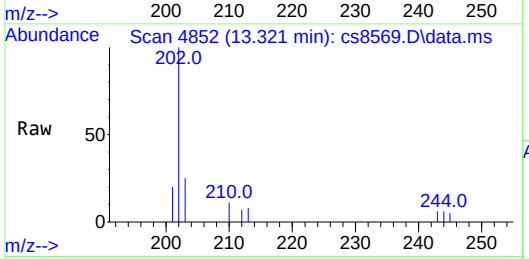
#23
Fluoranthene
Concen: 3.95 ppb
RT: 13.010 min Scan# 4593
Delta R.T. 0.000 min
Lab File: cs8569.D
Acq: 17 Sep 2025 11:55 am

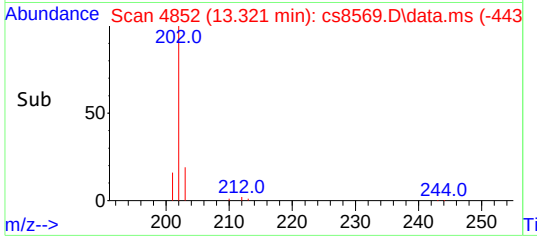
Tgt Ion:202 Resp: 883

Ion	Ratio	Lower	Upper
202	100		
203	14.1	0.0	47.2
201	13.9	0.0	44.0





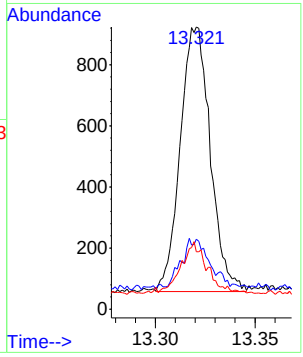


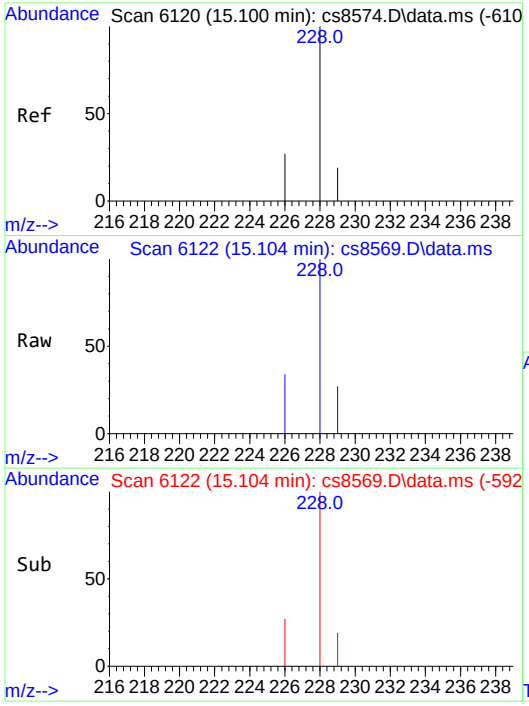


#24
Pyrene
Concen: 4.00 ppb m
RT: 13.321 min Scan# 4852
Delta R.T. 0.002 min
Lab File: cs8569.D
Acq: 17 Sep 2025 11:55 am

Tgt Ion:202 Resp: 908

Ion	Ratio	Lower	Upper
202	100		
203	24.8	0.0	47.1
201	20.3	0.0	46.4

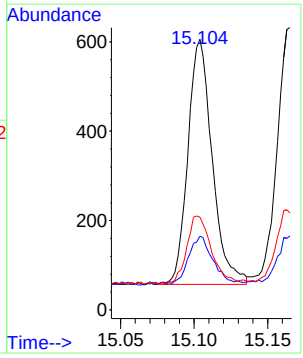


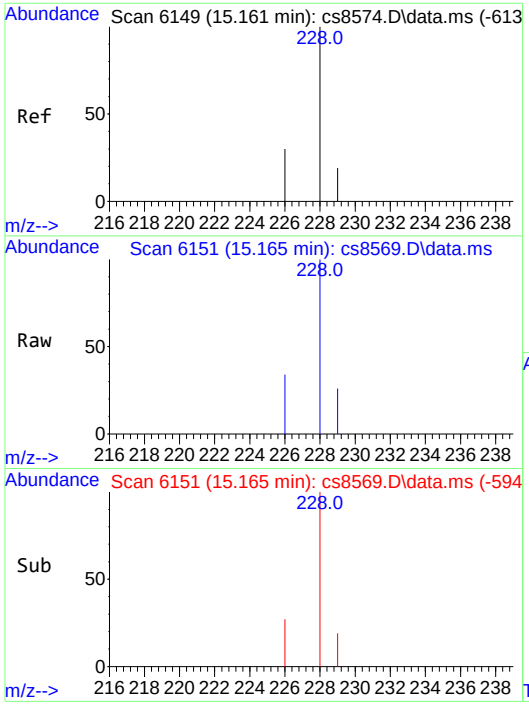


#26
Benzo[a]anthracene
Concen: 3.80 ppb
RT: 15.104 min Scan# 6122
Delta R.T. 0.004 min
Lab File: cs8569.D
Acq: 17 Sep 2025 11:55 am

Tgt Ion:228 Resp: 629

Ion	Ratio	Lower	Upper
228	100		
229	19.3	0.0	49.1
226	26.7	0.0	57.0

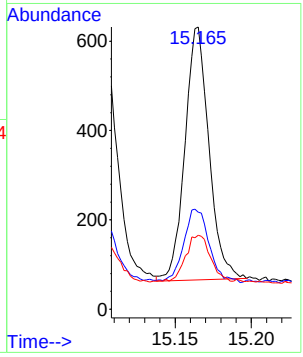


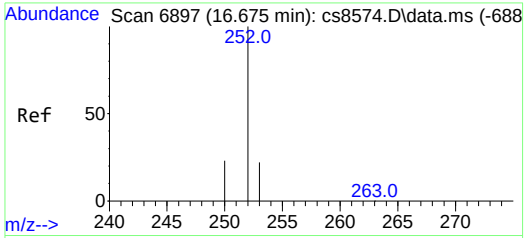


#27
Chrysene
Concen: 3.73 ppb
RT: 15.165 min Scan# 6151
Delta R.T. 0.004 min
Lab File: cs8569.D
Acq: 17 Sep 2025 11:55 am

Tgt Ion:228 Resp: 622

Ion	Ratio	Lower	Upper
228	100		
226	27.1	0.0	59.6
229	18.5	0.0	49.1

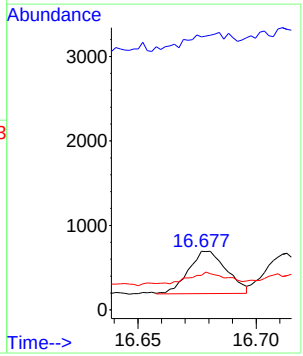


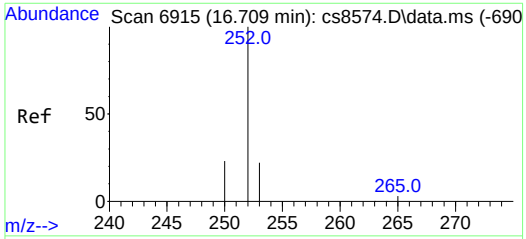


#29
Benzo[b]fluoranthene
Concen: 4.01 ppb
RT: 16.677 min Scan# 6898
Delta R.T. 0.002 min
Lab File: cs8569.D
Acq: 17 Sep 2025 11:55 am

Tgt Ion:252 Resp: 561

Ion	Ratio	Lower	Upper
252	100		
253	13.6	0.0	51.5
250	17.9	0.0	53.4

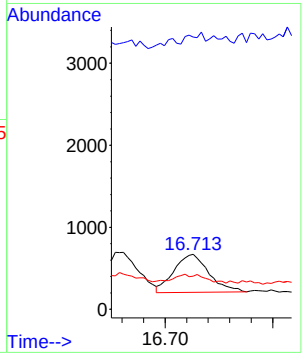


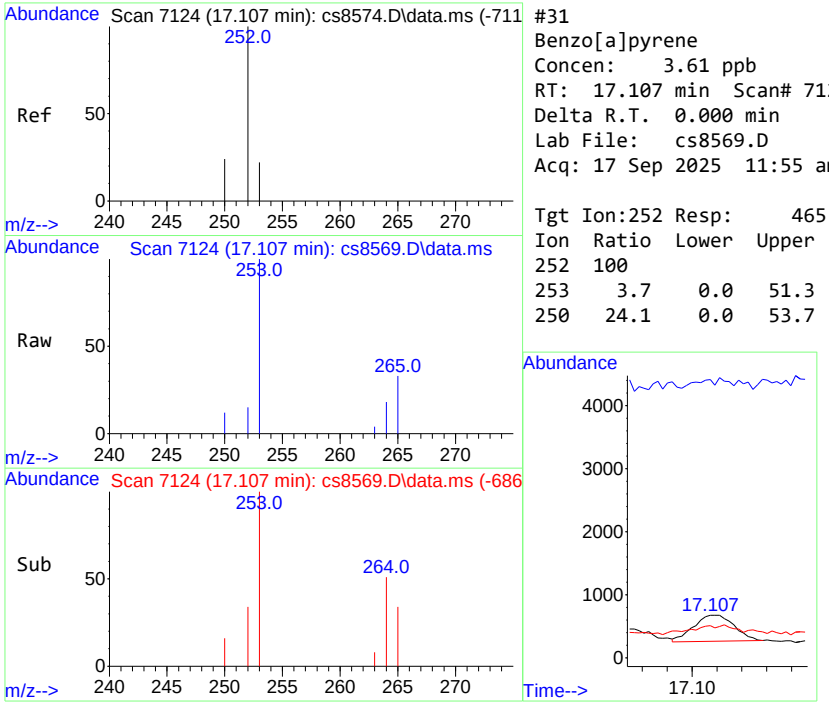


#30
Benzo[k]fluoranthene
Concen: 3.84 ppb
RT: 16.713 min Scan# 6917
Delta R.T. 0.004 min
Lab File: cs8569.D
Acq: 17 Sep 2025 11:55 am

Tgt Ion:252 Resp: 521

Ion	Ratio	Lower	Upper
252	100		
253	19.6	0.0	51.3
250	15.6	0.0	53.2

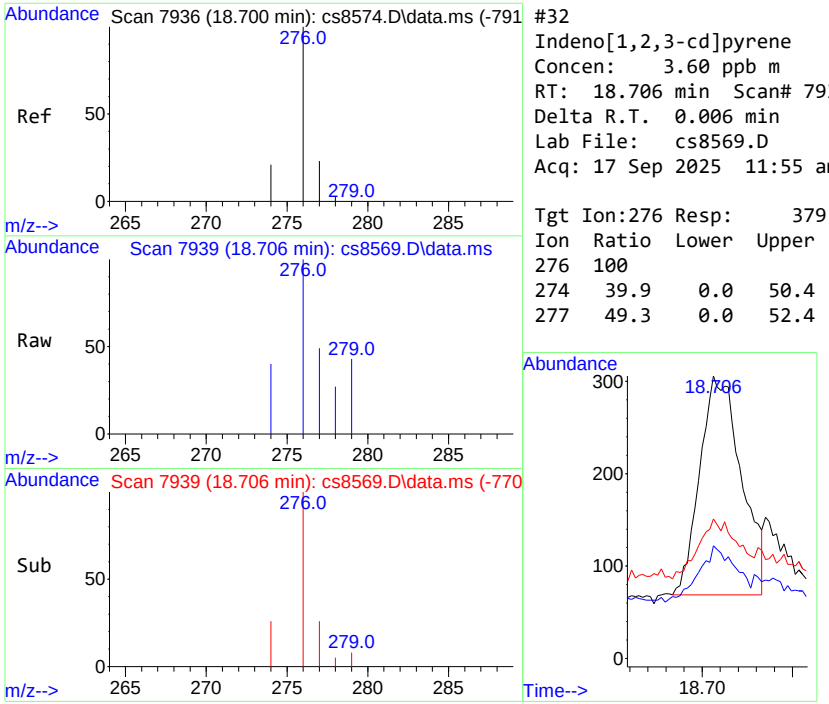




#31
Benzo[a]pyrene
Concen: 3.61 ppb
RT: 17.107 min Scan# 7124
Delta R.T. 0.000 min
Lab File: cs8569.D
Acq: 17 Sep 2025 11:55 am

Tgt Ion:252 Resp: 465

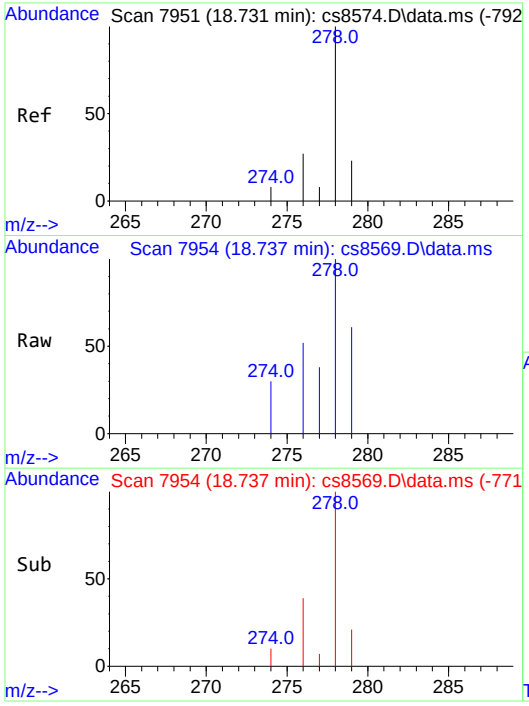
Ion	Ratio	Lower	Upper
252	100		
253	3.7	0.0	51.3
250	24.1	0.0	53.7



#32
Indeno[1,2,3-cd]pyrene
Concen: 3.60 ppb m
RT: 18.706 min Scan# 7939
Delta R.T. 0.006 min
Lab File: cs8569.D
Acq: 17 Sep 2025 11:55 am

Tgt Ion:276 Resp: 379

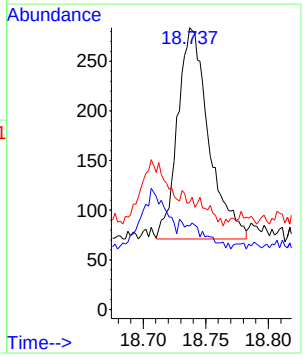
Ion	Ratio	Lower	Upper
276	100		
274	39.9	0.0	50.4
277	49.3	0.0	52.4

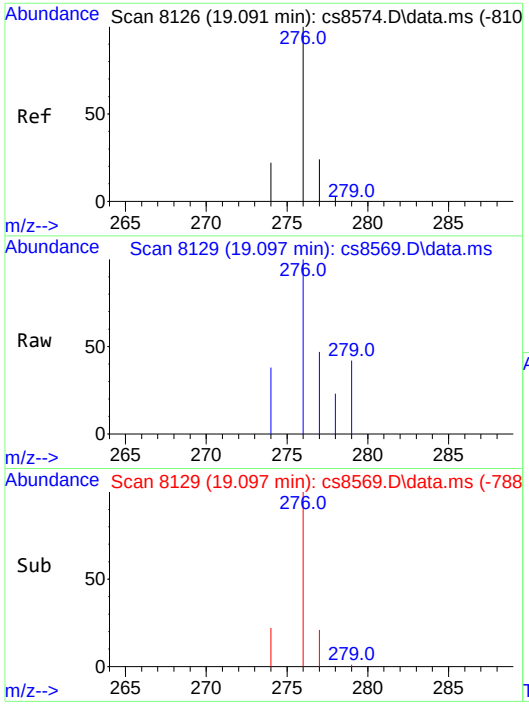


#33
Dibenz[a,h]anthracene
Concen: 3.69 ppb m
RT: 18.737 min Scan# 7954
Delta R.T. 0.006 min
Lab File: cs8569.D
Acq: 17 Sep 2025 11:55 am

Tgt Ion:278 Resp: 367

Ion	Ratio	Lower	Upper
278	100		
274	29.6	0.0	38.4
277	38.0	0.0	37.8#

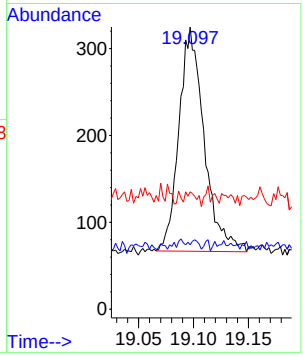




#34
Benzo[g,h,i]perylene
Concen: 4.01 ppb m
RT: 19.097 min Scan# 8129
Delta R.T. 0.006 min
Lab File: cs8569.D
Acq: 17 Sep 2025 11:55 am

Tgt Ion:276 Resp: 410

Ion	Ratio	Lower	Upper
276	100		
278	22.8	0.0	32.6
279	41.5	0.0	30.2#



Manual Integration Approval Summary

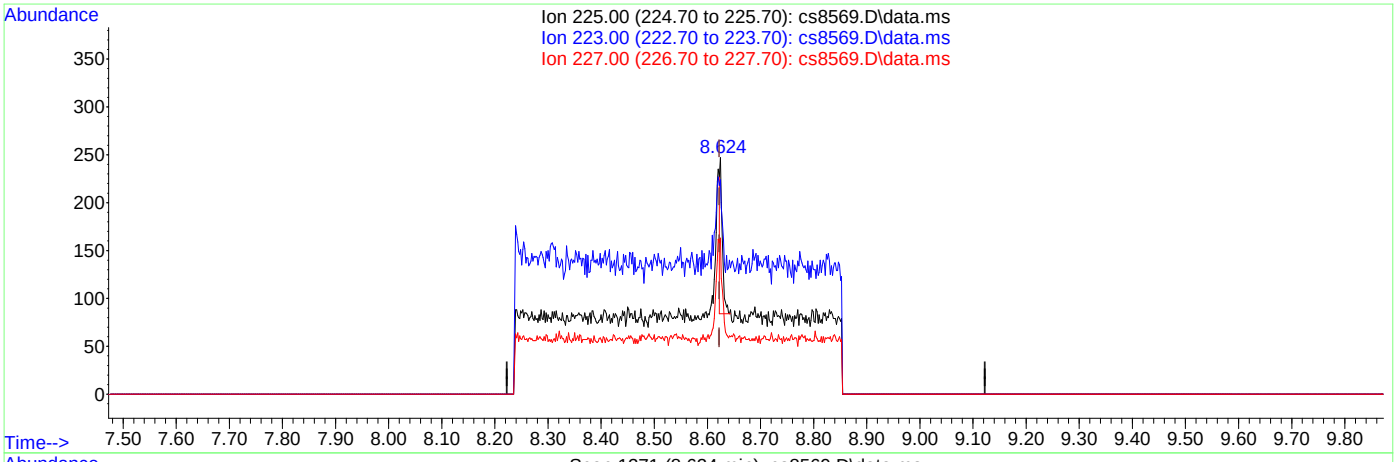
Sample Number: ECS446-IC446
Lab FileID: CS8569.D
Injection Time: 09/17/25 11:55
Method: SW846 8270E BY SIM
Analyst approved: 09/17/25 18:29 Rocquan Salters
Supervisor approved: 09/18/25 10:52 Ying Li

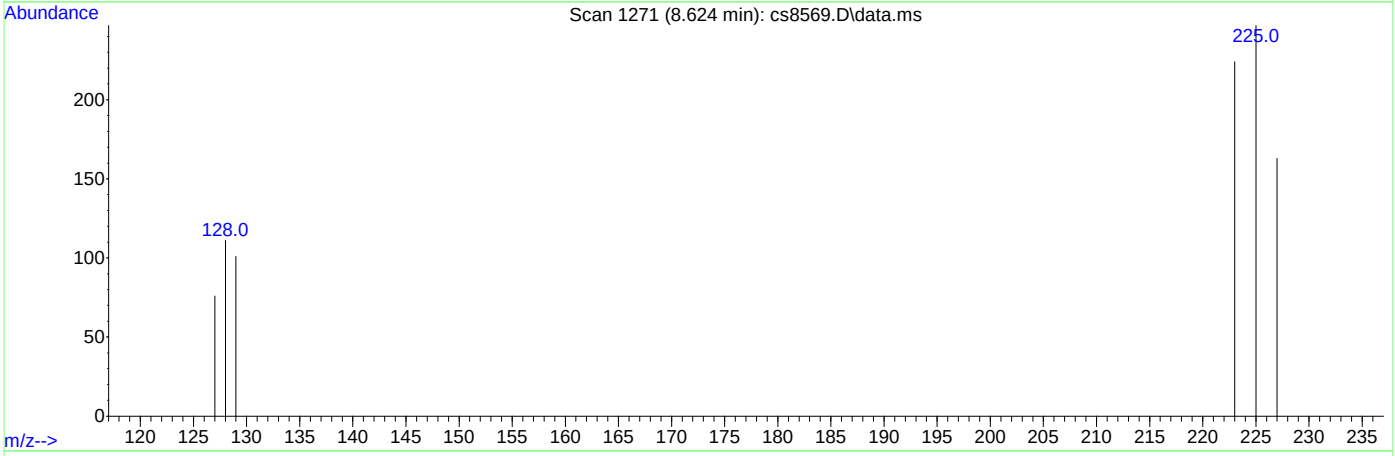
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexachlorobutadiene	87-68-3		8.62	Baseline ripple
2-Methylnaphthalene	91-57-6		9.02	Baseline ripple
1-Methylnaphthalene	90-12-0		9.11	Baseline ripple
Hexachlorobenzene	118-74-1		11.10	Baseline ripple
Pentachlorophenol	87-86-5		11.30	Baseline ripple
Pyrene	129-00-0		13.32	Baseline ripple
Indeno(1,2,3-cd)pyrene	193-39-5		18.71	Baseline ripple
Dibenzo(a,h)anthracene	53-70-3		18.74	Baseline ripple
Benzo(g,h,i)perylene	191-24-2		19.10	Baseline ripple

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8569.D
Acq On : 17 Sep 2025 11:55 am
Operator : rocquans
Sample : ic446-0.004
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Sep 17 15:45:40 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 15:40:02 2025
Response via : Initial Calibration





TIC: cs8569.D\data.ms

(8) Hexachlorobutadiene (t)

8.624min (+0.002) 1.58ppb

response 50

Ion	Exp%	Act%
225.00	100	100
223.00	61.80	49.18
227.00	62.60	58.47
0.00	0.00	0.00

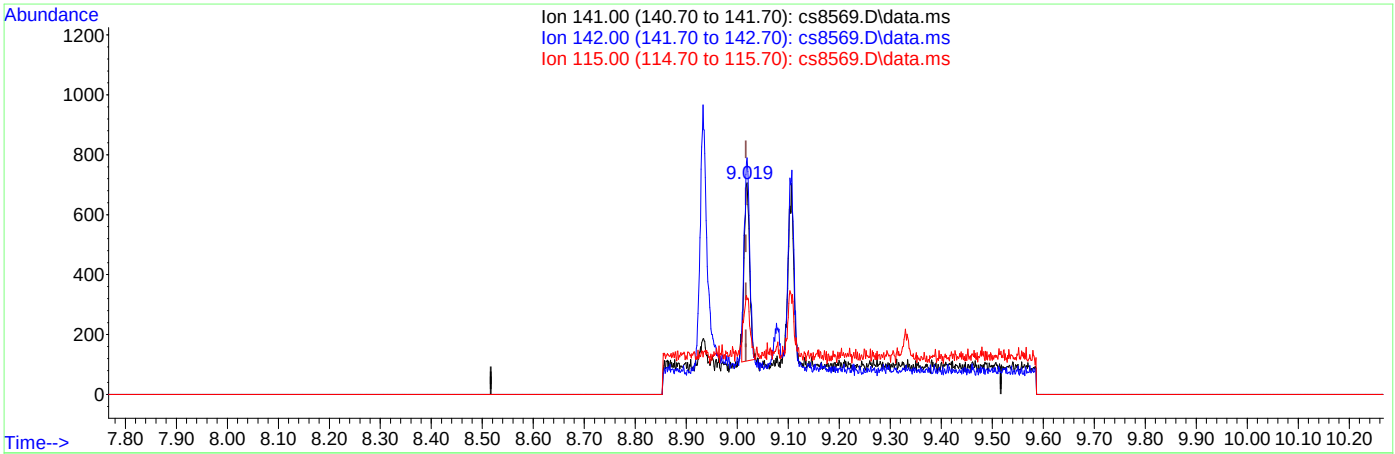
9.6.2.2

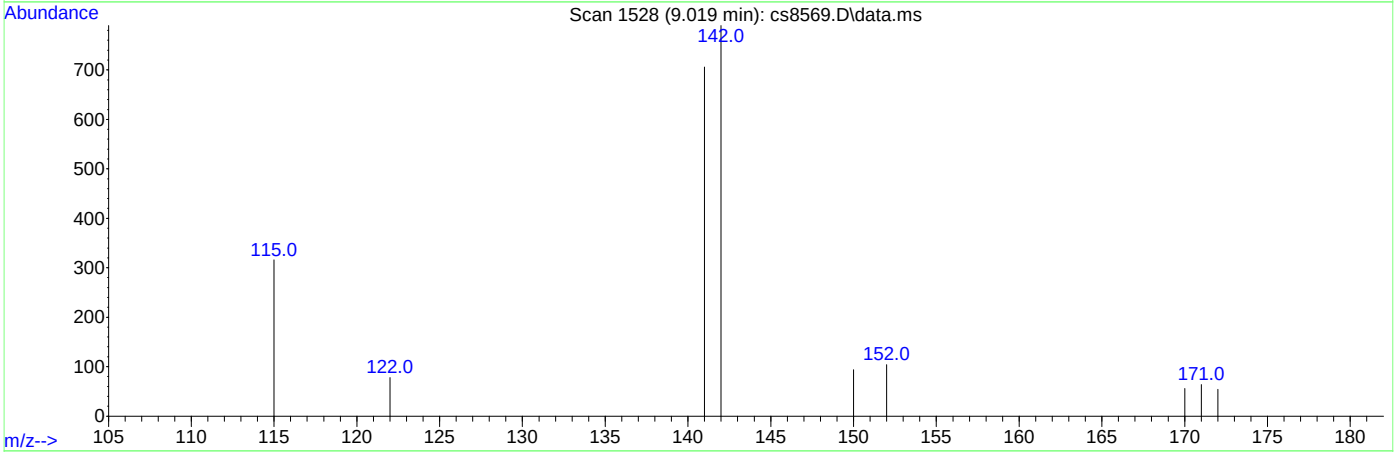
9

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8569.D
Acq On : 17 Sep 2025 11:55 am
Operator : rocquans
Sample : ic446-0.004
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Sep 17 15:45:40 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 15:40:02 2025
Response via : Initial Calibration





TIC: cs8569.D\data.ms

(9) 2-Methylnaphthalene (t)

9.019min (+0.002) 3.68ppb

response 439

Ion	Exp%	Act%
141.00	100	100
142.00	113.10	111.16
115.00	35.80	29.55
0.00	0.00	0.00

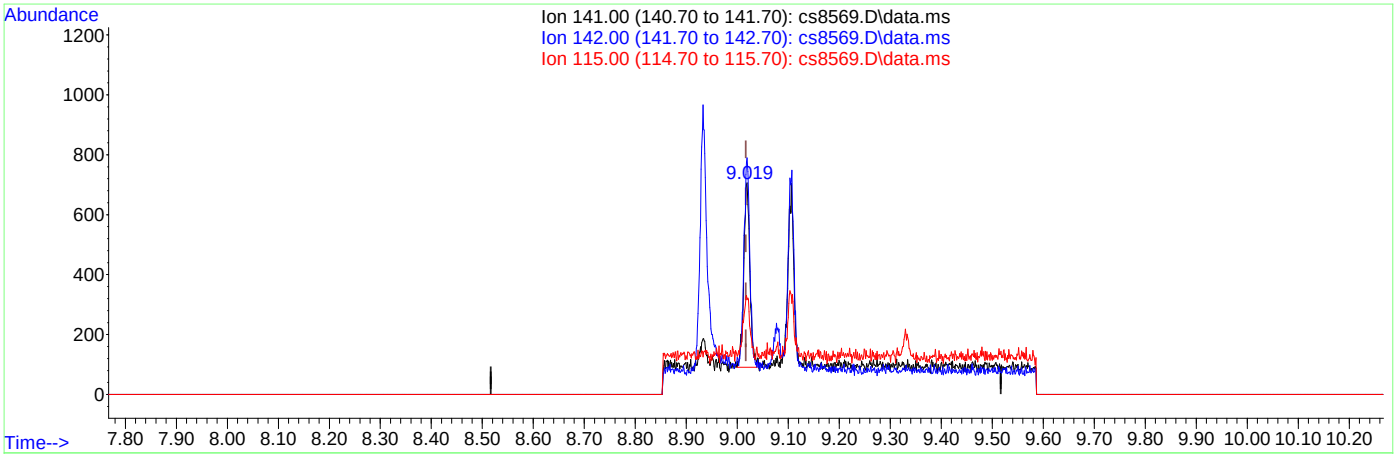
9.6.23

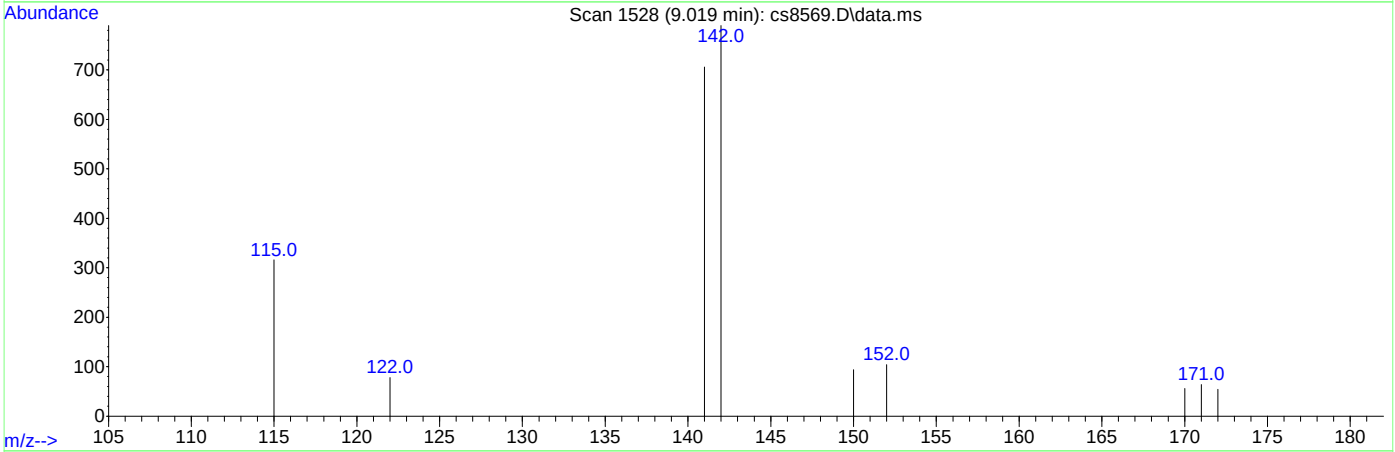
9

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8569.D
Acq On : 17 Sep 2025 11:55 am
Operator : rocquans
Sample : ic446-0.004
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Sep 17 15:45:40 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 15:40:02 2025
Response via : Initial Calibration





TIC: cs8569.D\data.ms

(9) 2-Methylnaphthalene (t)

9.019min (+0.002) 4.24ppb m

response 507

Ion	Exp%	Act%
141.00	100	100
142.00	113.10	111.90
115.00	35.80	44.76
0.00	0.00	0.00

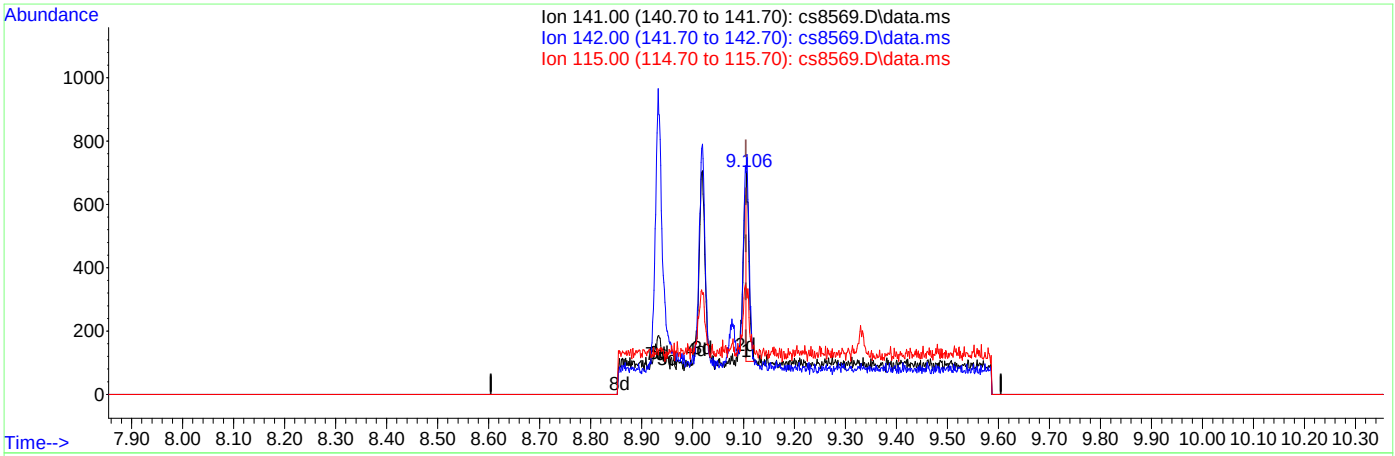
9.6.2.4

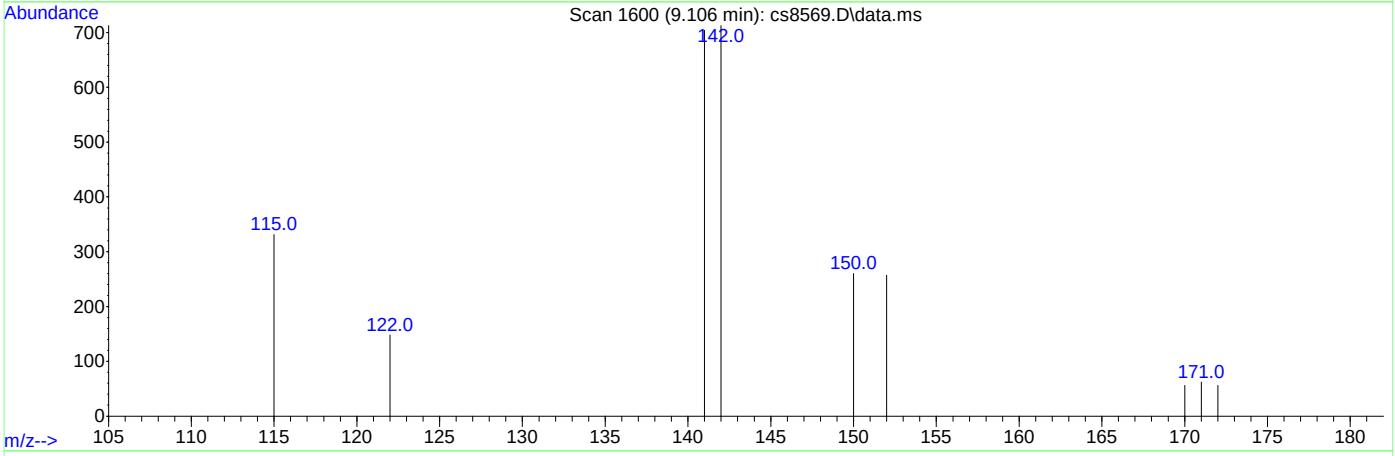
9

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8569.D
Acq On : 17 Sep 2025 11:55 am
Operator : rocquans
Sample : ic446-0.004
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Sep 17 15:45:40 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 15:40:02 2025
Response via : Initial Calibration





TIC: cs8569.D\data.ms

(10) 1-Methylnaphthalene (t)

9.106min (+0.001) 1.90ppb

response 219

Ion	Exp%	Act%
141.00	100	100
142.00	110.80	87.57
115.00	37.20	24.14
0.00	0.00	0.00

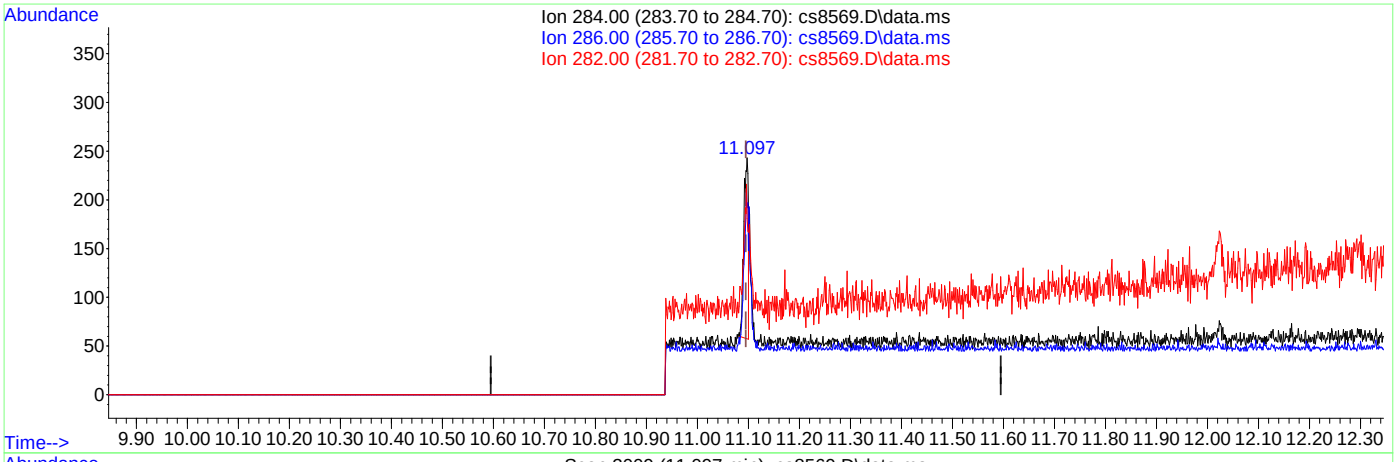
9.6.25

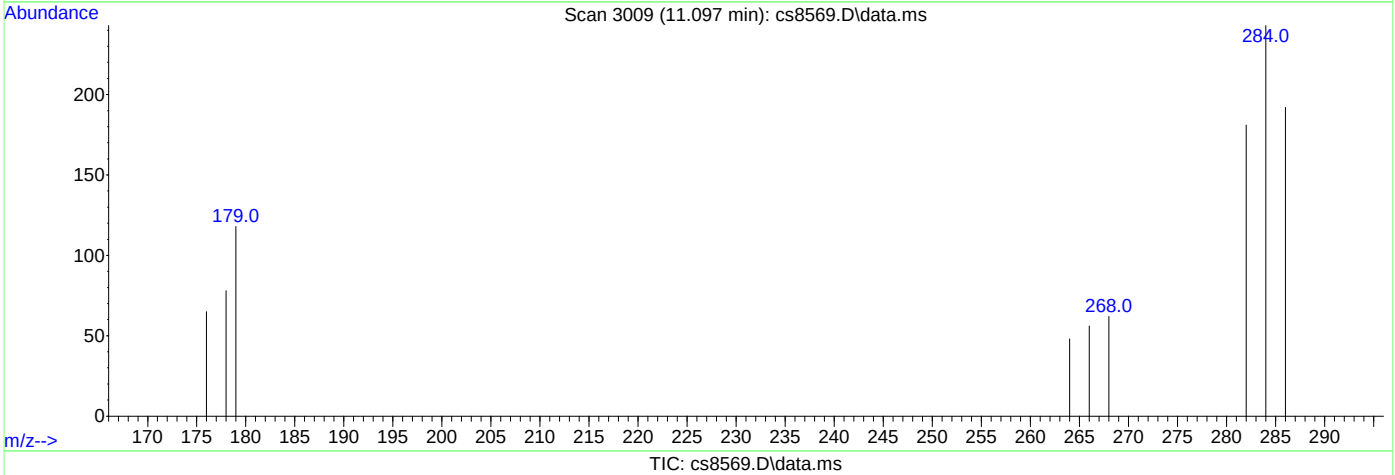
9

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8569.D
Acq On : 17 Sep 2025 11:55 am
Operator : rocquans
Sample : ic446-0.004
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Sep 17 15:45:40 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 15:40:02 2025
Response via : Initial Calibration





TIC: cs8569.D\data.ms

(19) Hexachlorobenzene (t)

11.097min (+0.002) 2.76ppb

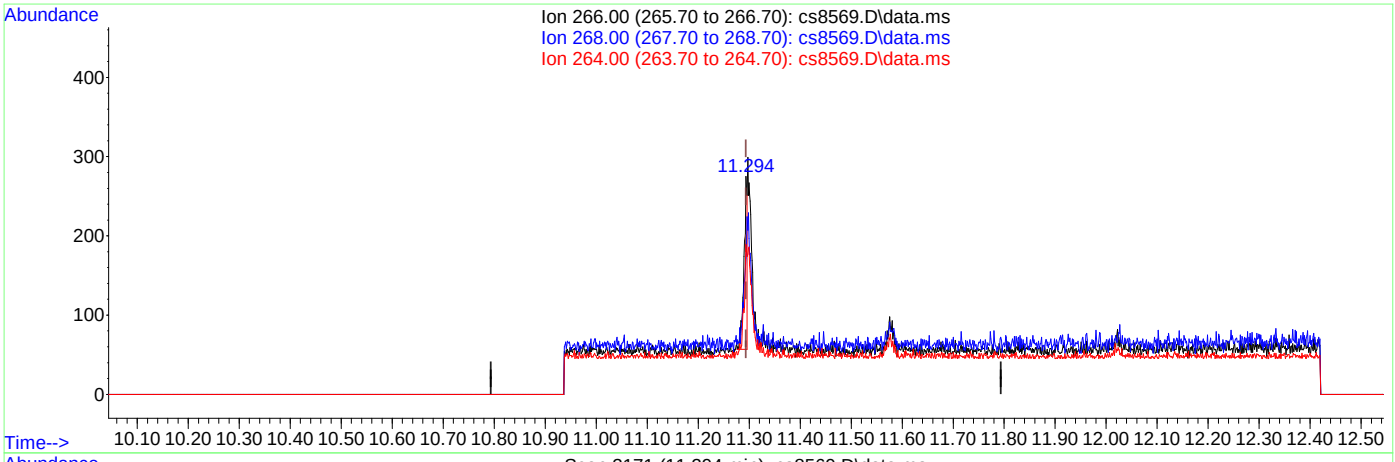
response 110

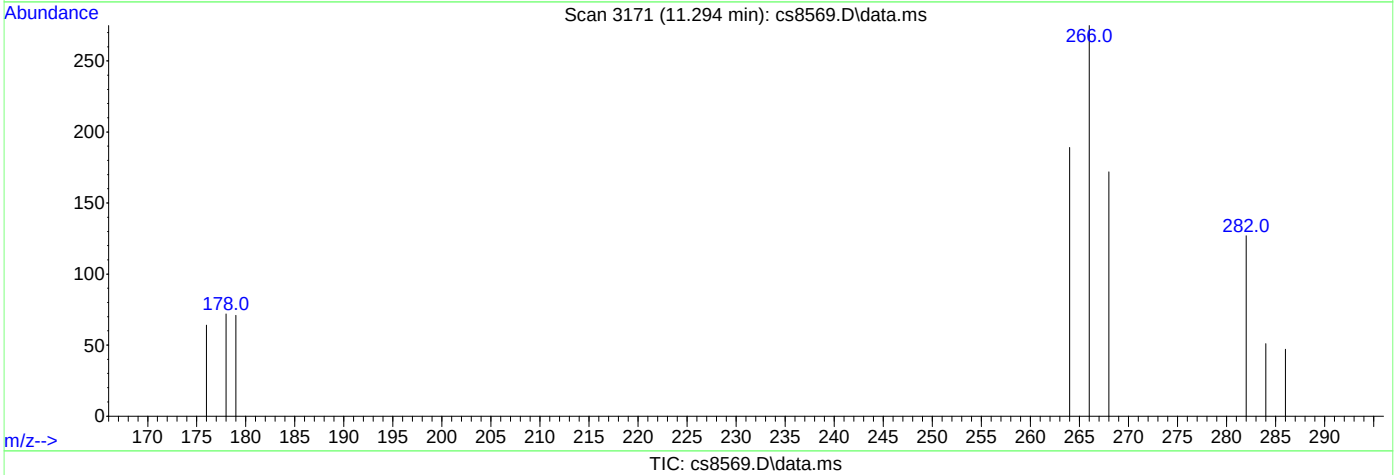
Ion	Exp%	Act%
284.00	100	100
286.00	78.00	78.30
282.00	53.80	35.74
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8569.D
Acq On : 17 Sep 2025 11:55 am
Operator : rocquans
Sample : ic446-0.004
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Sep 17 15:45:40 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 15:40:02 2025
Response via : Initial Calibration





TIC: cs8569.D\data.ms

(20) Pentachlorophenol (t)

11.294min (0.000) 4.67ppb

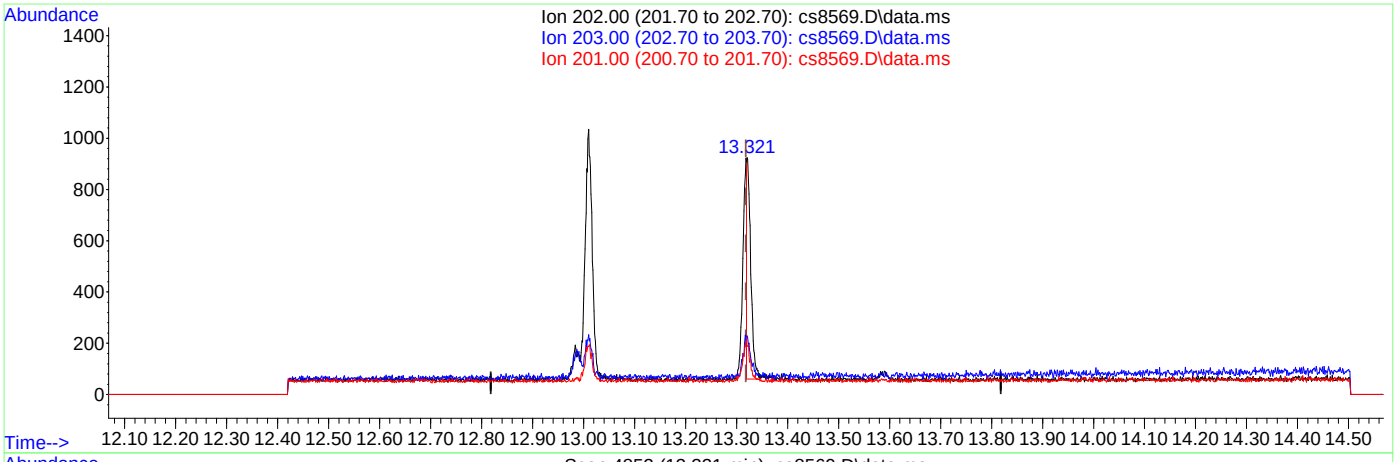
response 95

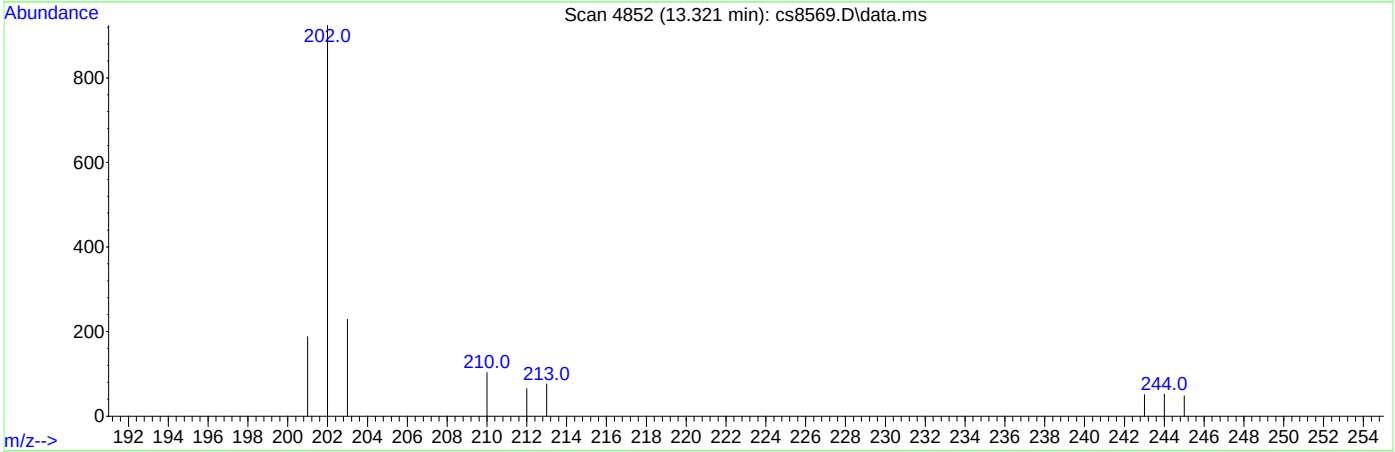
Ion	Exp%	Act%
266.00	100	100
268.00	63.10	0.00#
264.00	63.00	40.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8569.D
Acq On : 17 Sep 2025 11:55 am
Operator : rocquans
Sample : ic446-0.004
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Sep 17 15:45:40 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 15:40:02 2025
Response via : Initial Calibration





TIC: cs8569.D\data.ms

(24) Pyrene (t)

13.321min (+0.002) 2.02ppb

response 459

Ion	Exp%	Act%
202.00	100	100
203.00	17.10	19.50
201.00	16.40	11.56
0.00	0.00	0.00

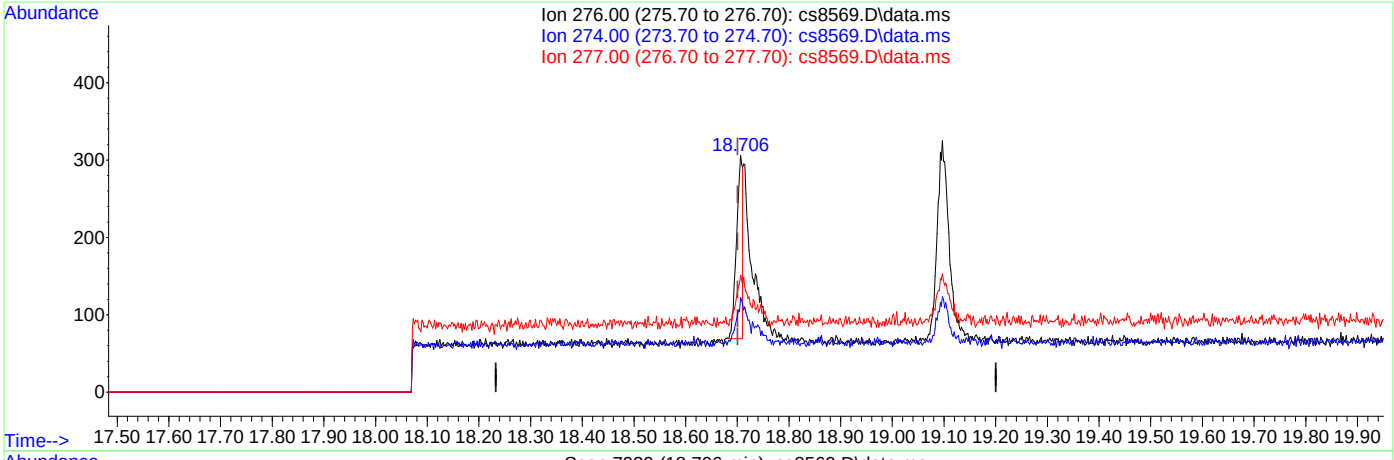
9.6.2.8

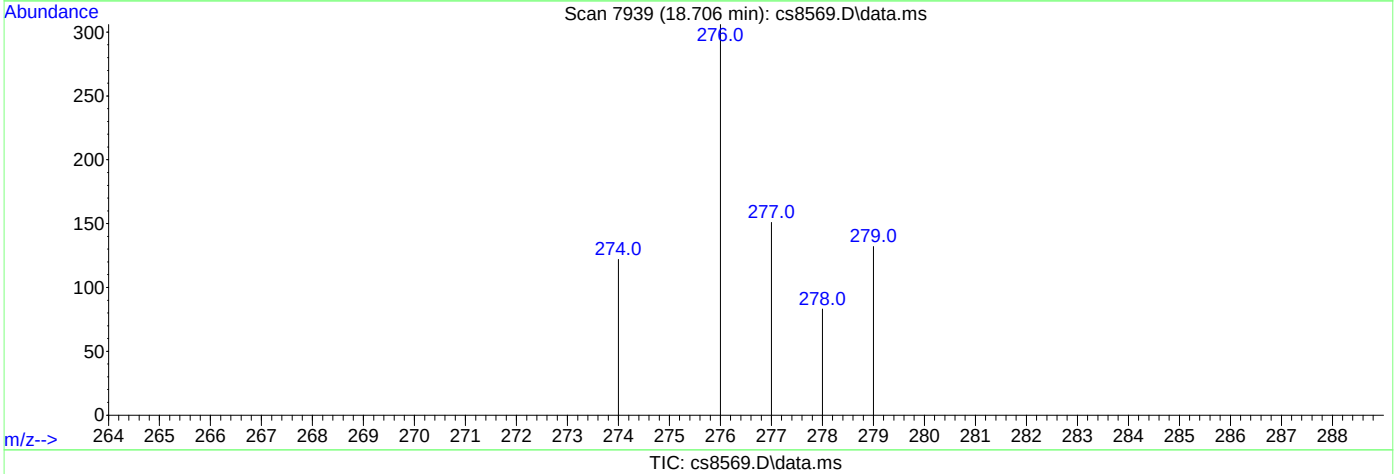
9

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8569.D
Acq On : 17 Sep 2025 11:55 am
Operator : rocquans
Sample : ic446-0.004
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Sep 17 15:45:40 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 15:40:02 2025
Response via : Initial Calibration





TIC: cs8569.D\data.ms

(32) Indeno[1,2,3-cd]pyrene (t)

18.706min (+0.006) 1.88ppb

response 198

Ion	Exp%	Act%
276.00	100	100
274.00	20.40	24.90
277.00	22.40	30.83
0.00	0.00	0.00

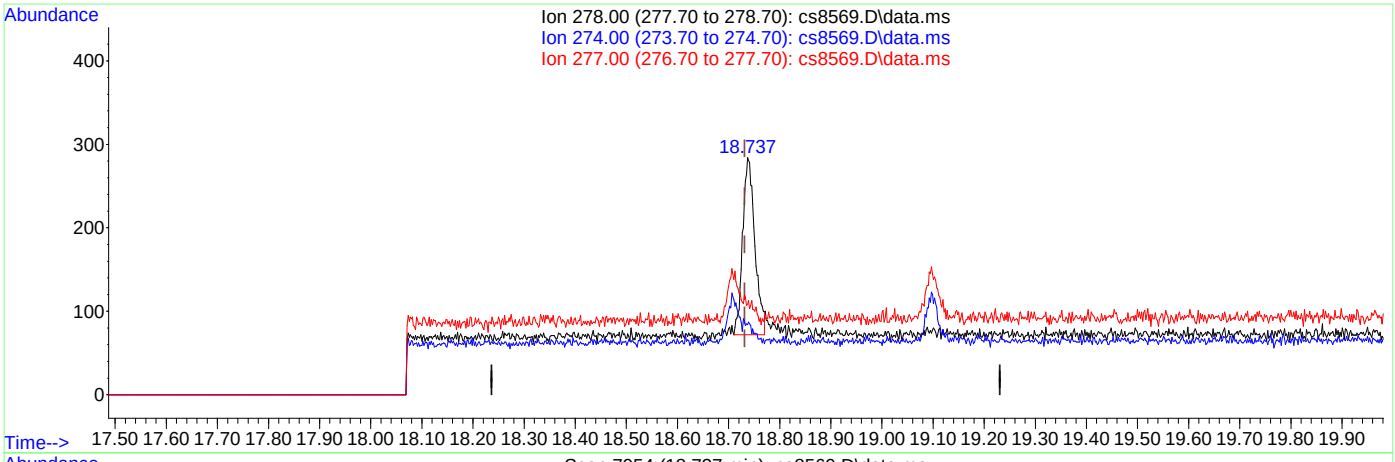
9.6.2.9

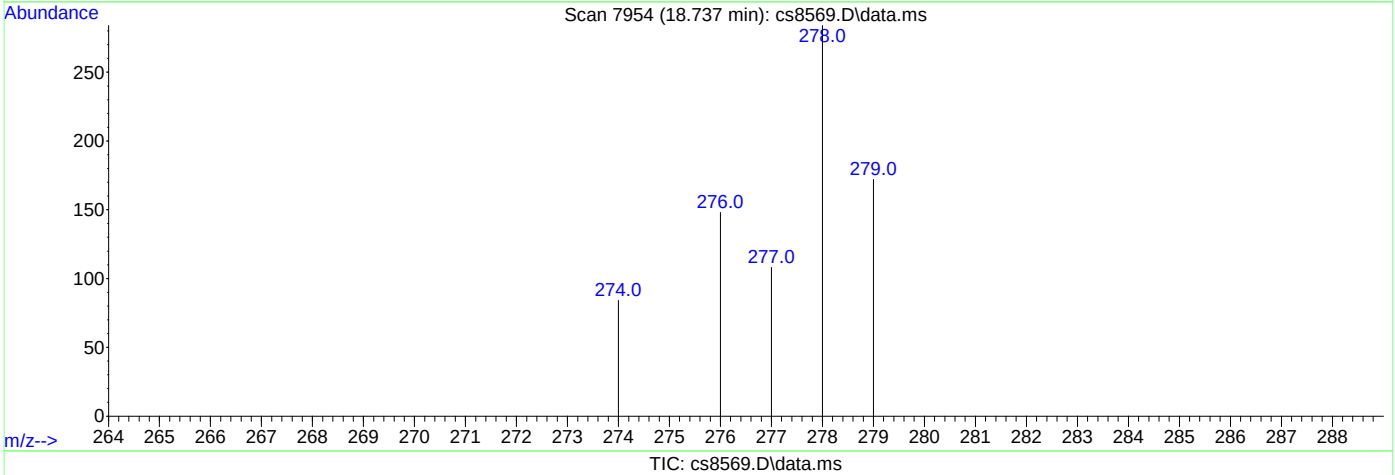
9

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8569.D
Acq On : 17 Sep 2025 11:55 am
Operator : rocquans
Sample : ic446-0.004
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Sep 17 15:45:40 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 15:40:02 2025
Response via : Initial Calibration





TIC: cs8569.D\data.ms

(33) Dibenz[a,h]anthracene (t)

18.737min (+0.006) 3.53ppb

response 351

Ion	Exp%	Act%
278.00	100	100
274.00	8.40	0.00
277.00	7.80	0.00
0.00	0.00	0.00

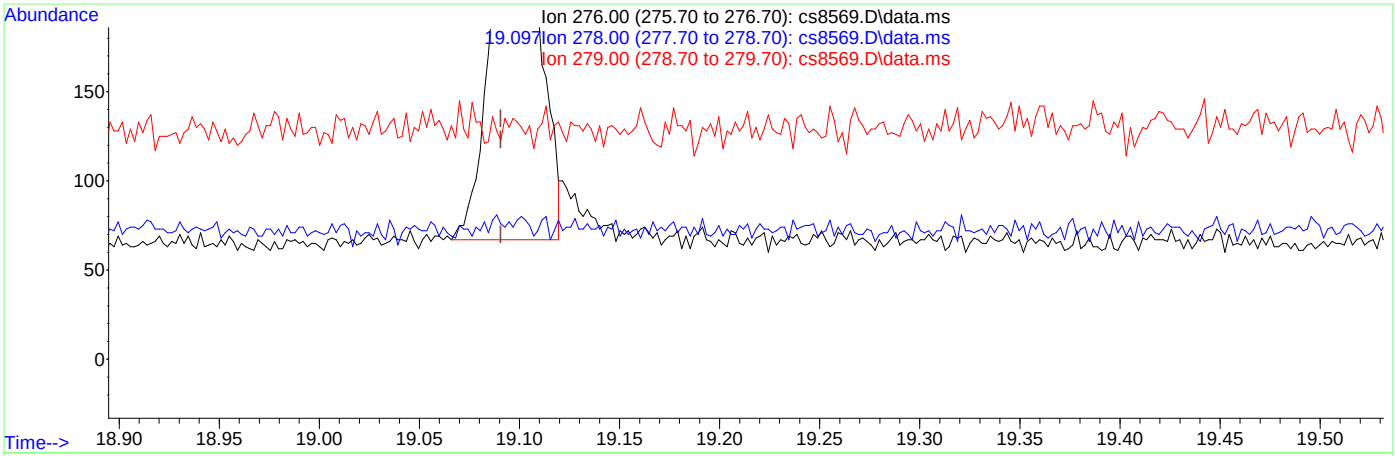
9.6.2.10

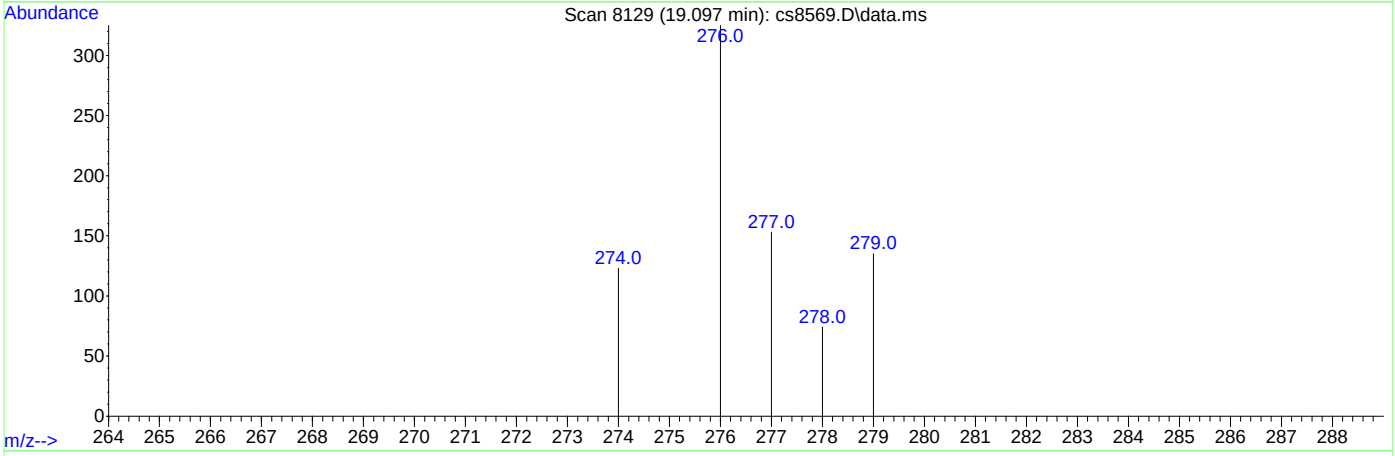
9

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8569.D
Acq On : 17 Sep 2025 11:55 am
Operator : rocquans
Sample : ic446-0.004
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Sep 17 15:45:40 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 15:40:02 2025
Response via : Initial Calibration





TIC: cs8569.D\data.ms

(34) Benzo[g,h,i]perylene (t)

19.097min (+0.006) 3.73ppb

response 382

Ion	Exp%	Act%
276.00	100	100
278.00	2.60	0.21
279.00	0.20	1.24
0.00	0.00	0.00

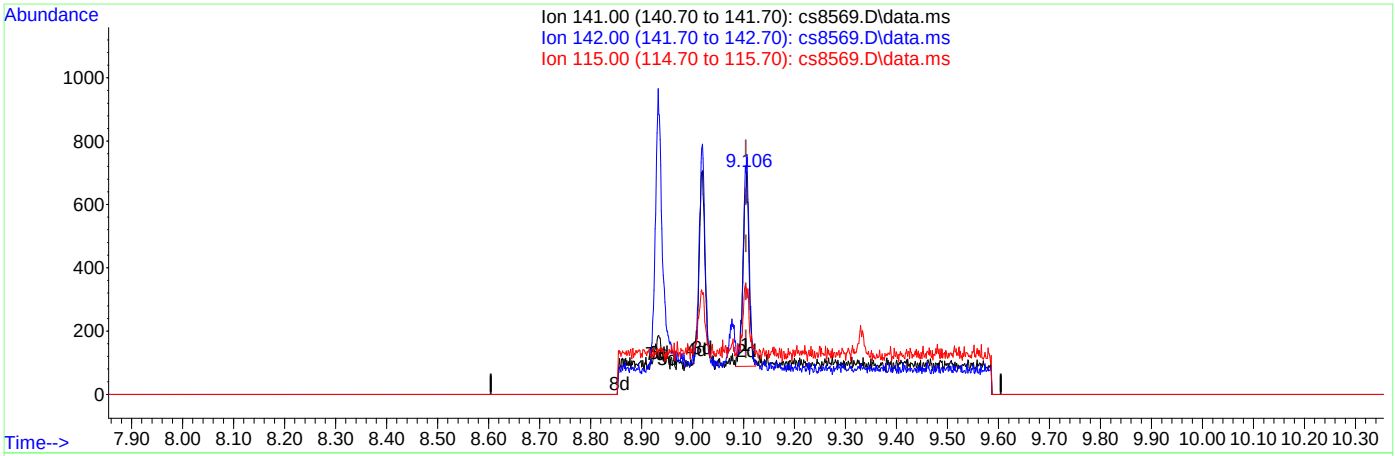
9.6.2.11

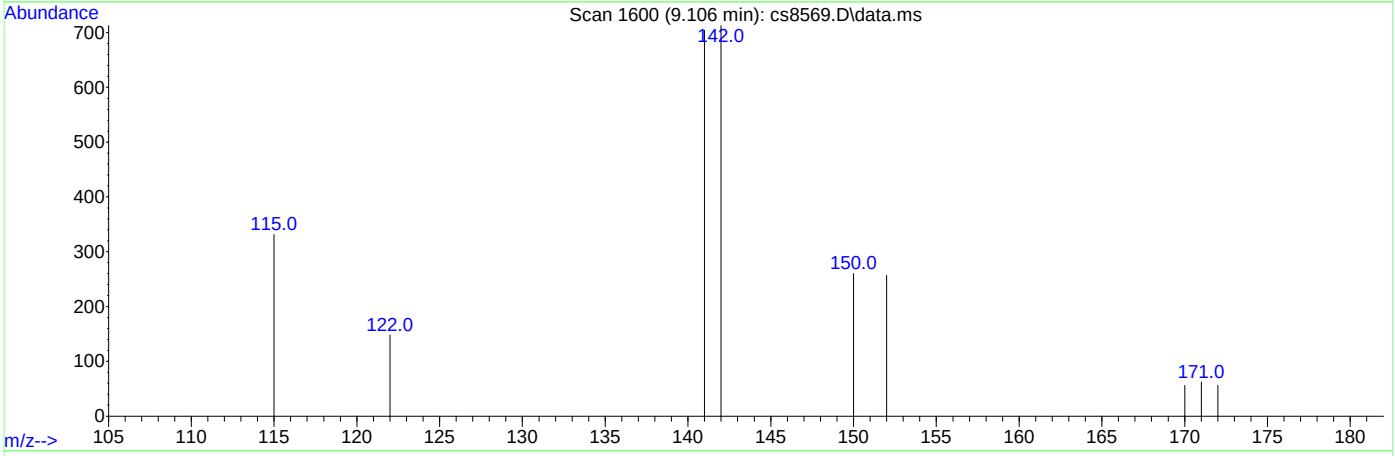
9

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8569.D
Acq On : 17 Sep 2025 11:55 am
Operator : rocquans
Sample : ic446-0.004
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Sep 17 16:21:36 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration





TIC: cs8569.D\data.ms

(10) 1-Methylnaphthalene (t)

9.106min (+0.001) 4.26ppb m

response 490

Ion	Exp%	Act%
141.00	100	100
142.00	110.80	101.28
115.00	37.20	47.02
0.00	0.00	0.00

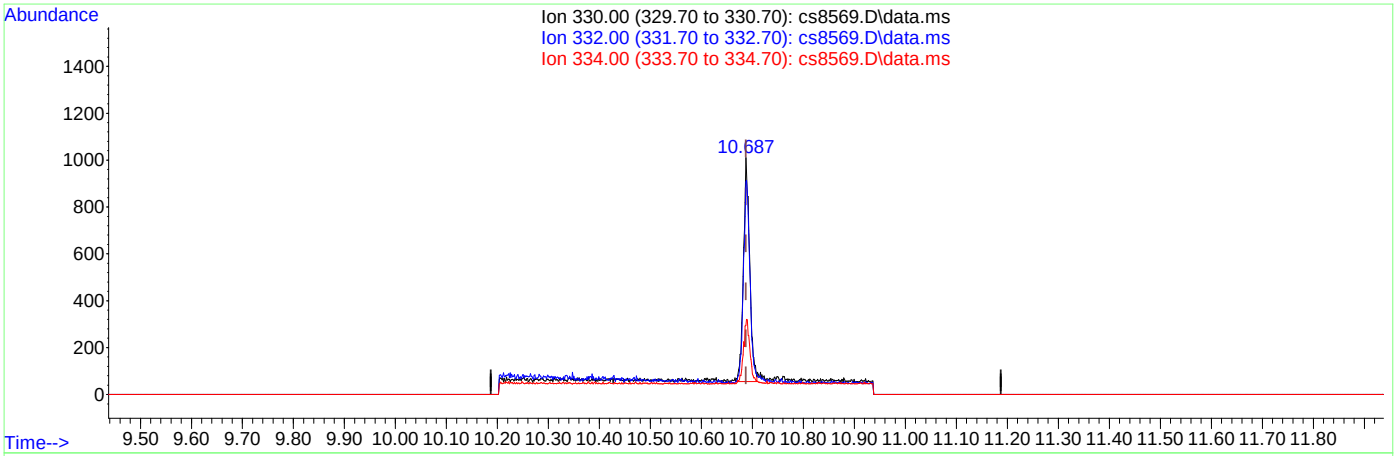
9.6.2.12

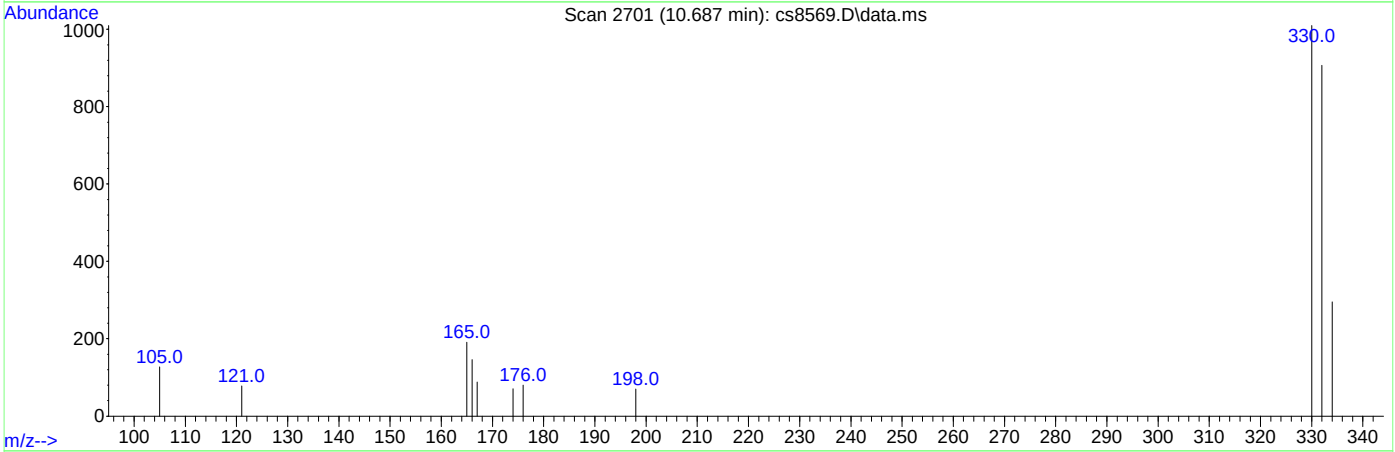
9

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8569.D
Acq On : 17 Sep 2025 11:55 am
Operator : rocquans
Sample : ic446-0.004
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Sep 17 16:21:36 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration





TIC: cs8569.D\data.ms

(17) 2,4,6-Tribromophenol (S)

10.687min (0.000) 54.93ppb

response 811

Ion	Exp%	Act%
330.00	100	100
332.00	95.70	88.67
334.00	30.50	25.78
0.00	0.00	0.00

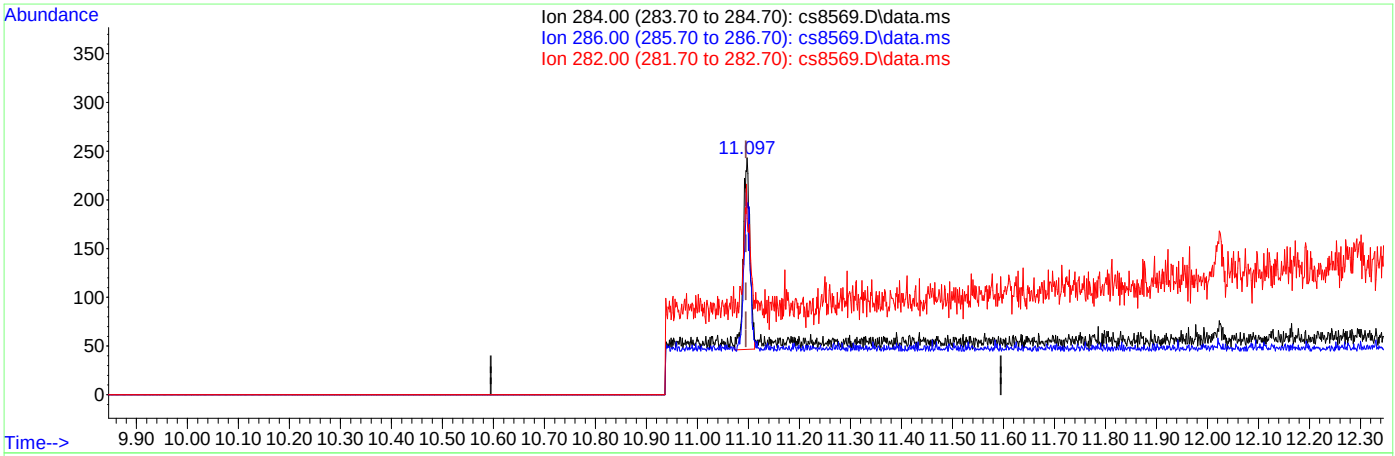
9.6.2.13

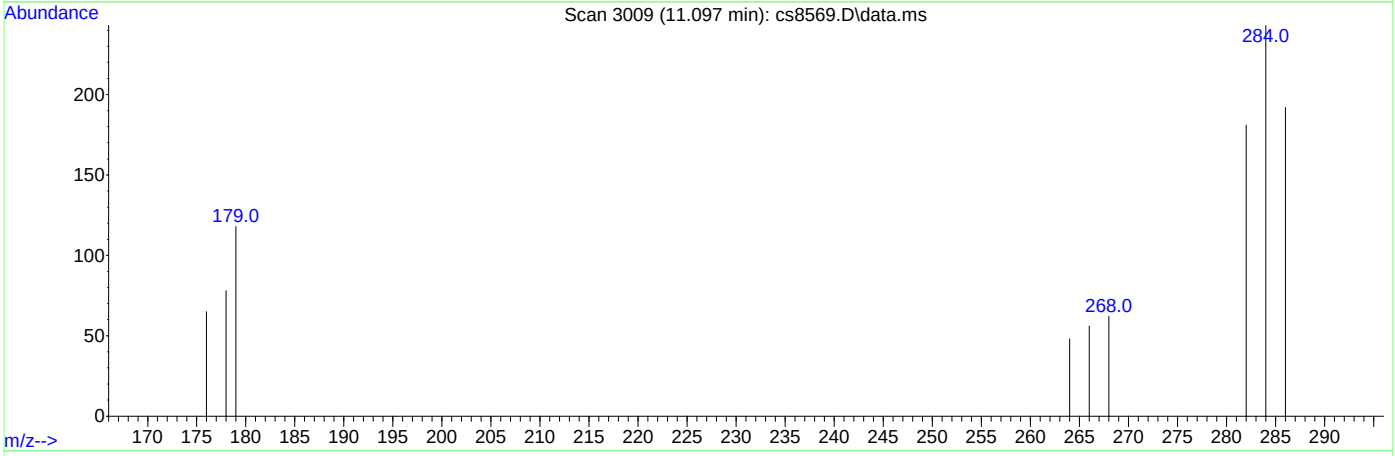
9

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8569.D
Acq On : 17 Sep 2025 11:55 am
Operator : rocquans
Sample : ic446-0.004
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Sep 17 16:21:36 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration





TIC: cs8569.D\data.ms

(19) Hexachlorobenzene (t)

11.097min (+0.002) 4.45ppb m

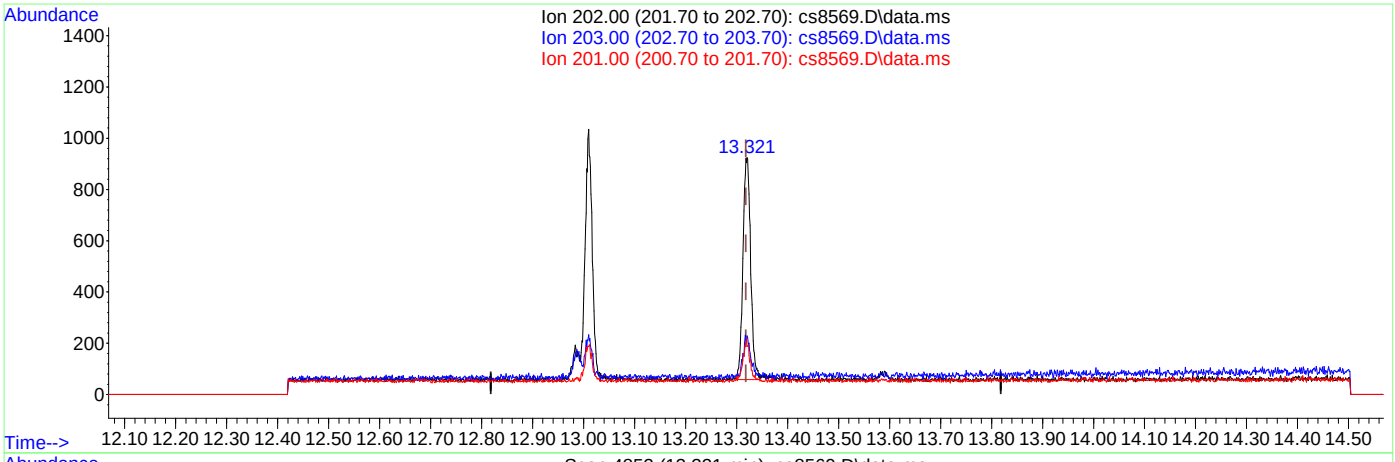
response 177

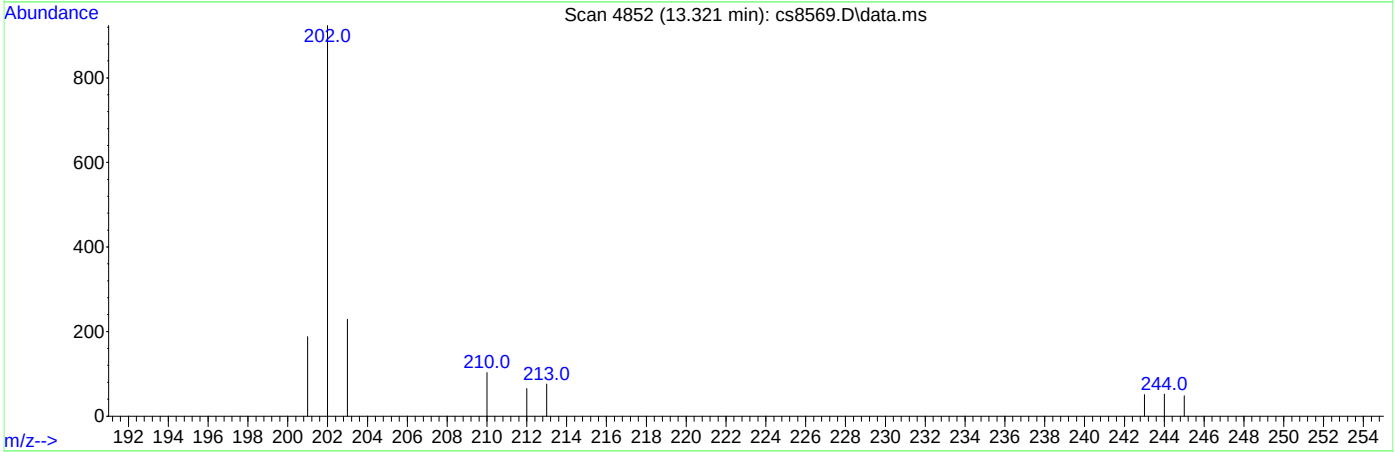
Ion	Exp%	Act%
284.00	100	100
286.00	78.00	79.01
282.00	53.80	74.49
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8569.D
Acq On : 17 Sep 2025 11:55 am
Operator : rocquans
Sample : ic446-0.004
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Sep 17 16:21:36 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration





TIC: cs8569.D\data.ms

(24) Pyrene (t)

13.321min (+0.002) 4.00ppb m

response 908

Ion	Exp%	Act%
202.00	100	100
203.00	17.10	24.78
201.00	16.40	20.35
0.00	0.00	0.00

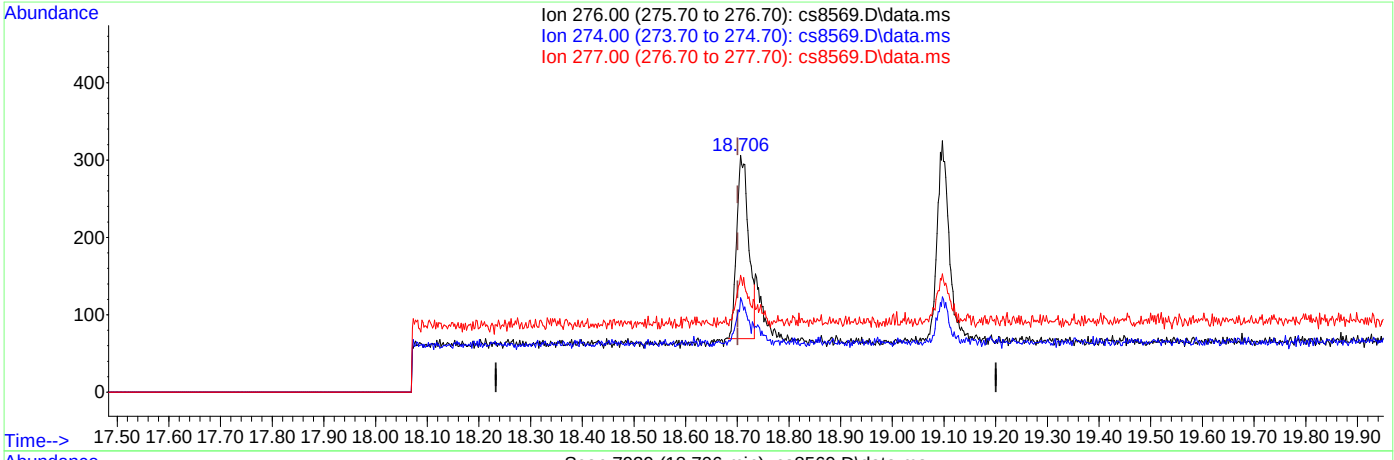
9.6.2.15

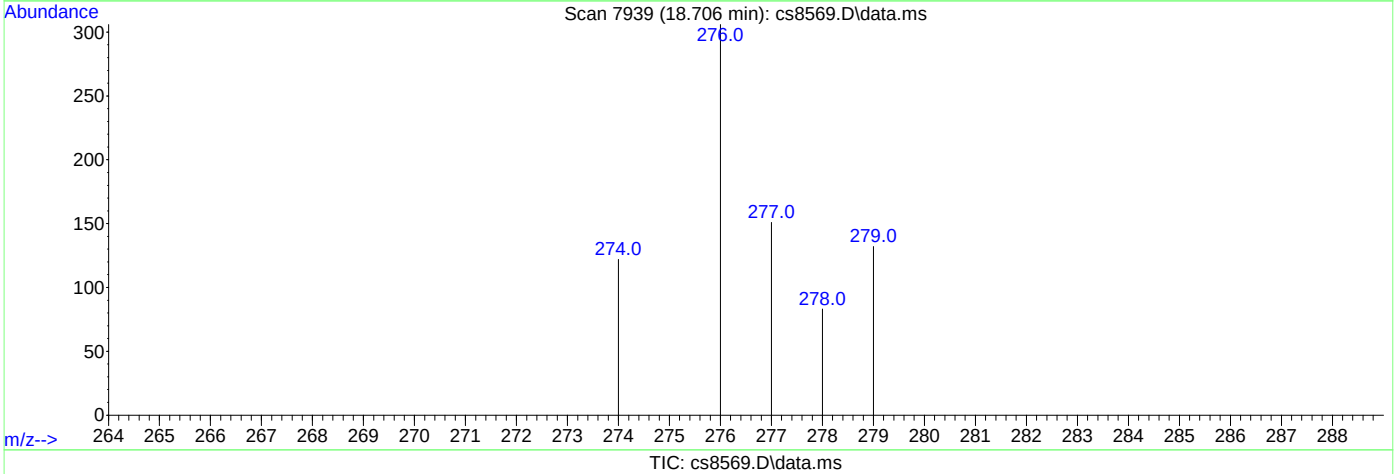
9

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8569.D
Acq On : 17 Sep 2025 11:55 am
Operator : rocquans
Sample : ic446-0.004
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Sep 17 16:21:36 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration





TIC: cs8569.D\data.ms

(32) Indeno[1,2,3-cd]pyrene (t)

18.706min (+0.006) 3.60ppb m

response 379

Ion	Exp%	Act%
276.00	100	100
274.00	20.40	39.87
277.00	22.40	49.35
0.00	0.00	0.00

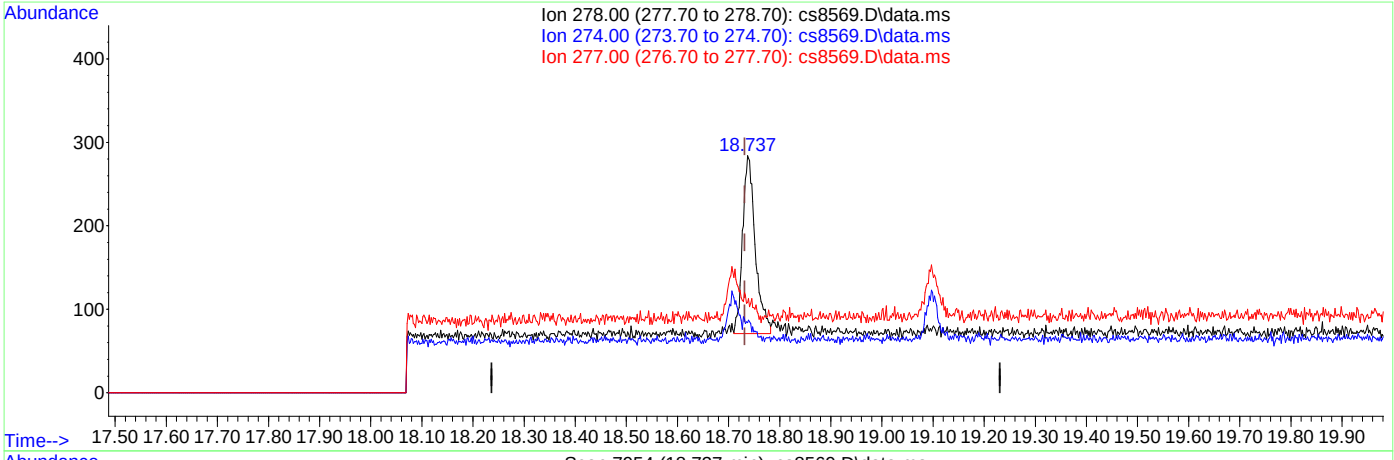
9.6.2.16

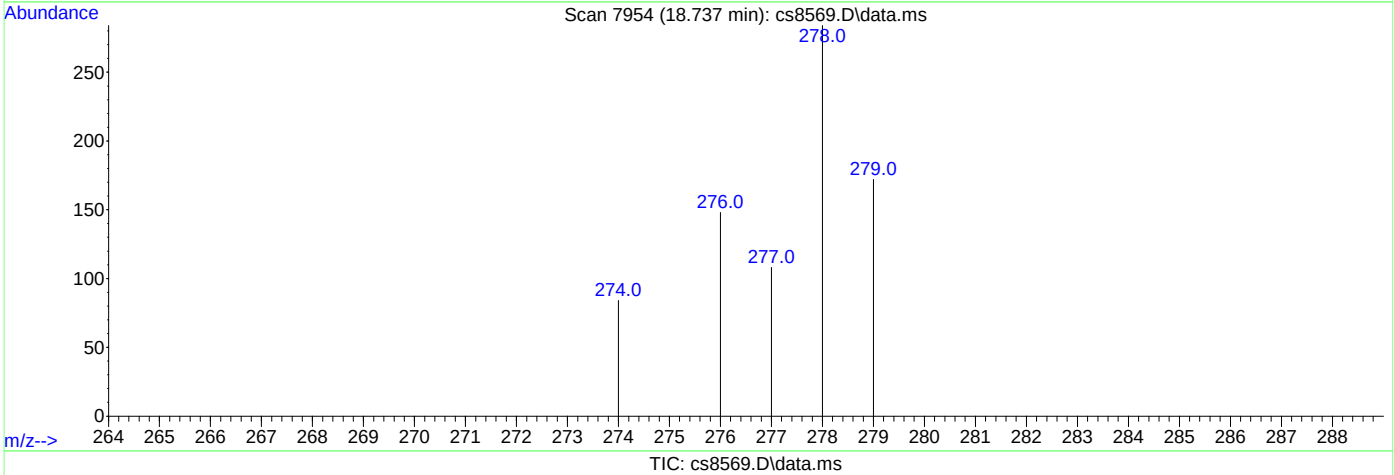
9

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8569.D
Acq On : 17 Sep 2025 11:55 am
Operator : rocquans
Sample : ic446-0.004
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Sep 17 16:21:36 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration





TIC: cs8569.D\data.ms

(33) Dibenz[a,h]anthracene (t)

18.737min (+0.006) 3.69ppb m

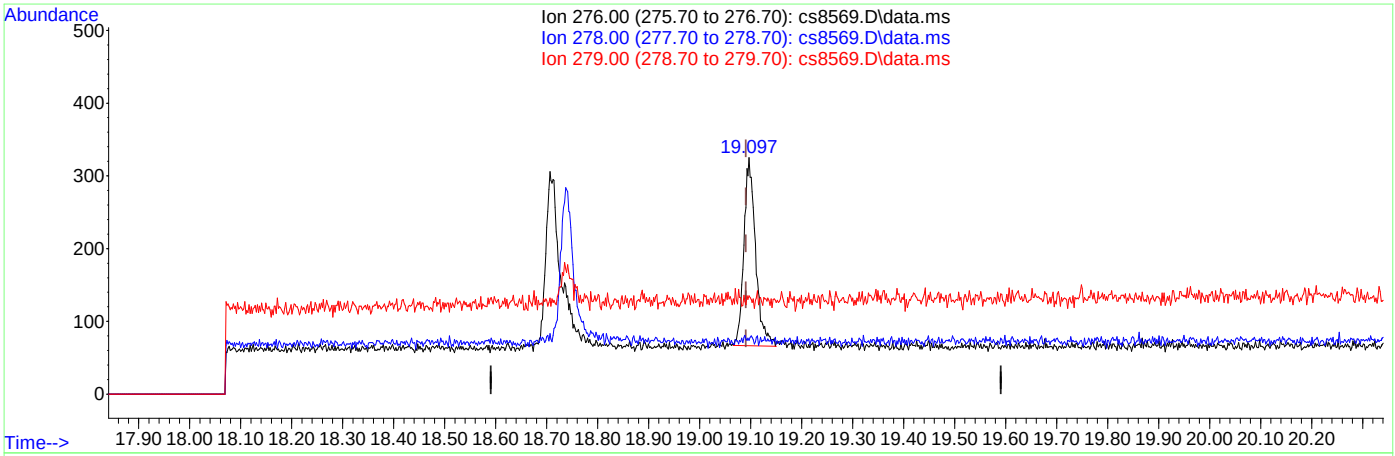
response 367

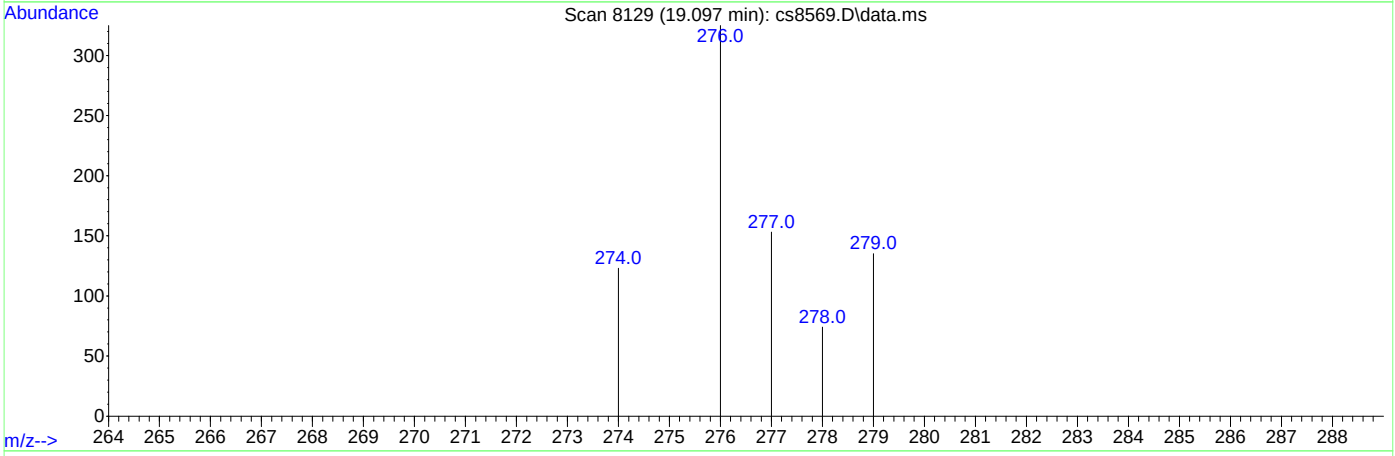
Ion	Exp%	Act%
278.00	100	100
274.00	8.40	29.58
277.00	7.80	38.03#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8569.D
Acq On : 17 Sep 2025 11:55 am
Operator : rocquans
Sample : ic446-0.004
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Sep 17 16:21:36 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration





TIC: cs8569.D\data.ms

(34) Benzo[g,h,i]perylene (t)

19.097min (+0.006) 4.01ppb m

response 410

Ion	Exp%	Act%
276.00	100	100
278.00	2.60	22.77
279.00	0.20	41.54#
0.00	0.00	0.00

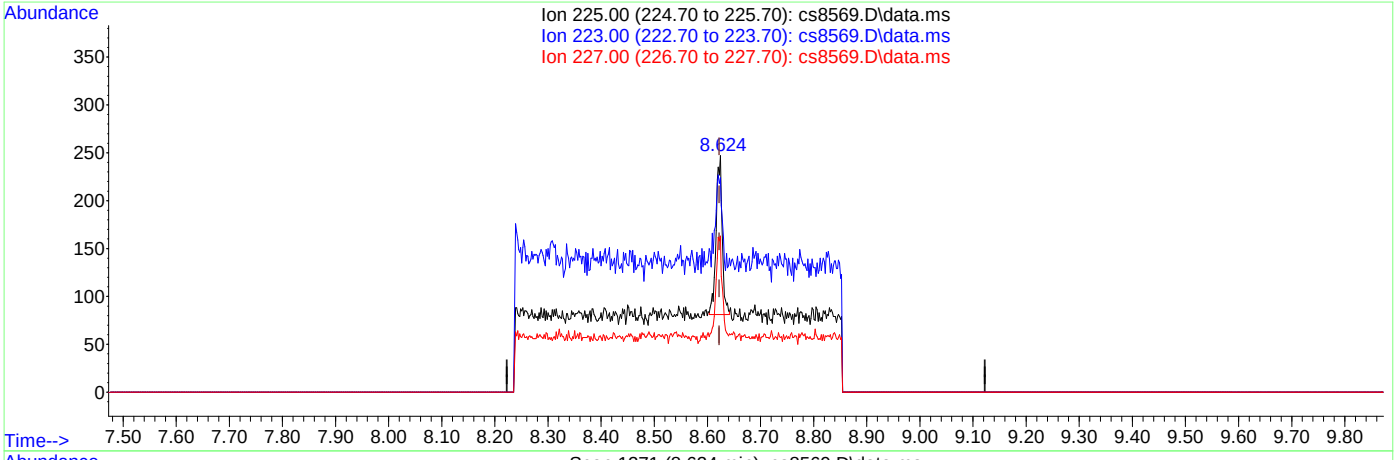
9.6.2.18

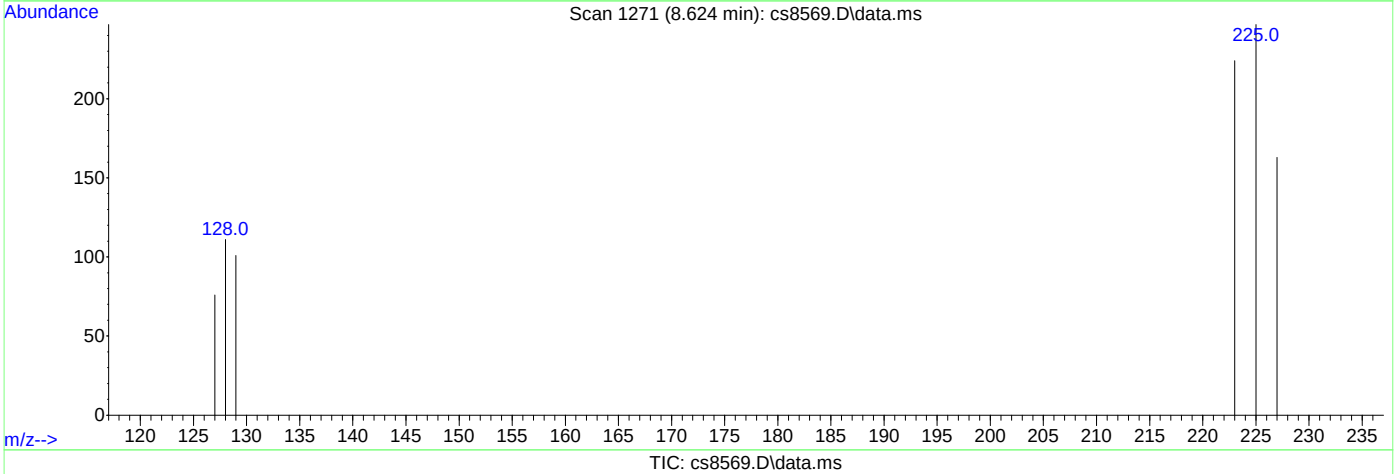
9

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8569.D
Acq On : 17 Sep 2025 11:55 am
Operator : rocquans
Sample : ic446-0.004
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Sep 17 16:21:36 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration





TIC: cs8569.D\data.ms

(8) Hexachlorobutadiene (t)

8.624min (+0.002) 4.21ppb m

response 133

Ion	Exp%	Act%
225.00	100	100
223.00	61.80	90.69
227.00	62.60	65.99
0.00	0.00	0.00

9.6.2.19

9

Manual Integrations APPROVED (compounds with "m" flag)
Ying Li
09/18/25 10:52

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8570.D
Acq On : 17 Sep 2025 12:22 pm
Operator : rocquans
Sample : ic446-0.01
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Sep 17 16:21:38 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration

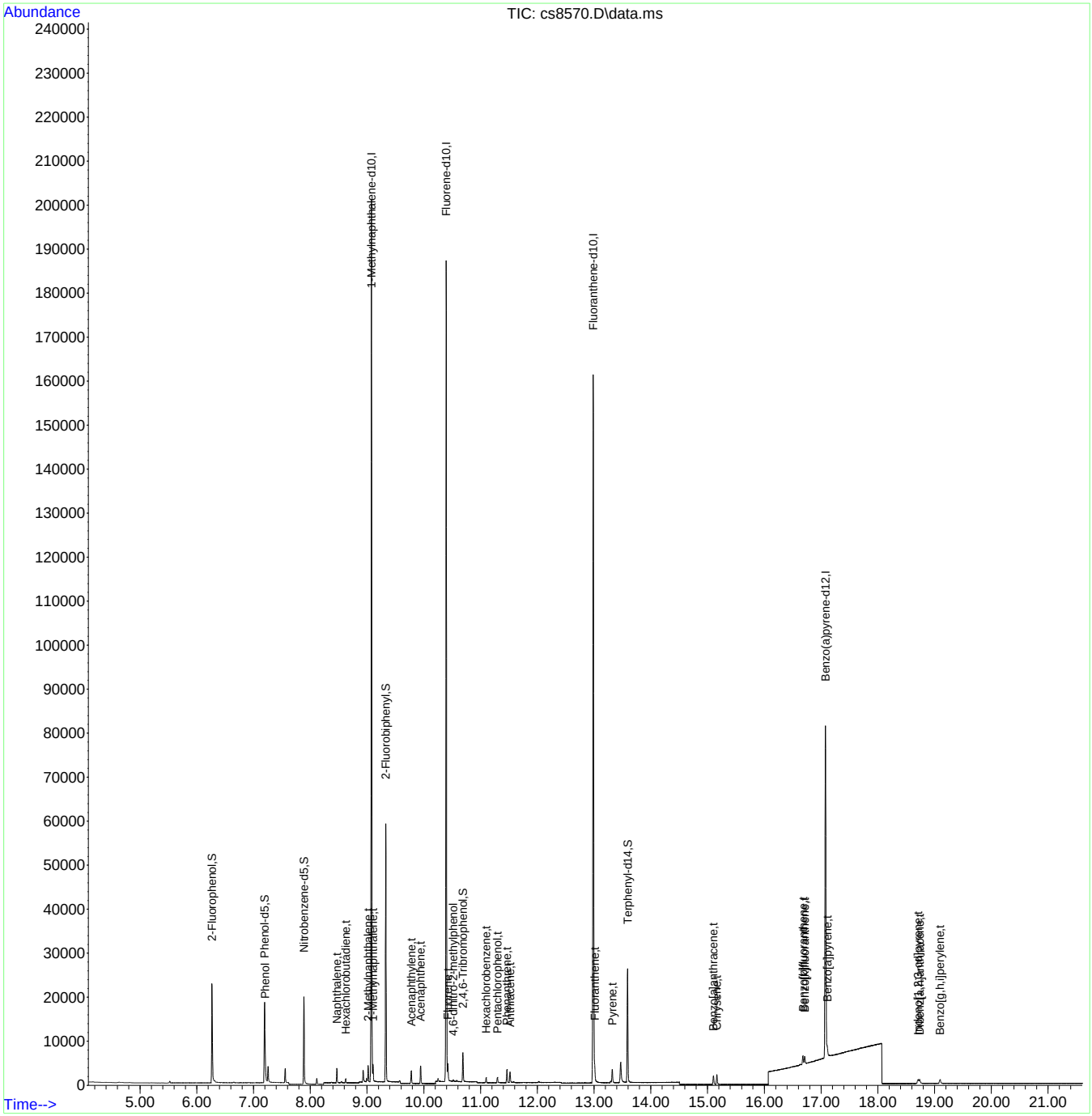
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	9.077	150	61667	800.00	ppb	0.00
11) Fluorene-d10	10.396	176	79349	800.00	ppb	0.00
18) Fluoranthene-d10	12.985	212	122861	800.00	ppb	0.00
28) Benzo(a)pyrene-d12	17.076	264	66100	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	6.270	112	11467	177.90	ppb	0.00
Spiked Amount 10000.000			Recovery =	1.78%		
4) Phenol-d5	7.195	99	13514	181.29	ppb	0.00
Spiked Amount 10000.000			Recovery =	1.81%		
6) Nitrobenzene-d5	7.887	82	11424	188.72	ppb	0.00
Spiked Amount 10000.000			Recovery =	1.89%		
12) 2-Fluorobiphenyl	9.330	172	27584	208.05	ppb	0.00
Spiked Amount 10000.000			Recovery =	2.08%		
17) 2,4,6-Tribromophenol	10.689	330	2388	158.98	ppb	0.00
Spiked Amount 10000.000			Recovery =	1.59%		
25) Terphenyl-d14	13.590	244	17972	192.75	ppb	0.00
Spiked Amount 10000.000			Recovery =	1.93%		
Target Compounds						Qvalue
5) Phenol	7.205	94	3991	47.30	ppb	98
7) Naphthalene	8.467	128	2141	9.71	ppb	100
8) Hexachlorobutadiene	8.622	225	327	10.14	ppb	93
9) 2-Methylnaphthalene	9.019	141	1188	9.74	ppb	98
10) 1-Methylnaphthalene	9.107	141	1125	9.58	ppb	92
13) Acenaphthylene	9.779	152	1803	8.94	ppb	99
14) Acenaphthene	9.943	153	1325	9.62	ppb	97
15) Fluorene	10.423	166	1474	9.47	ppb	99
16) 4,6-dinitro-2-methylph...	10.516	198	146m	10.47	ppb	
19) Hexachlorobenzene	11.097	284	387	9.25	ppb	98
20) Pentachlorophenol	11.297	266	567m	26.49	ppb	
21) Phenanthrene	11.465	178	2061	9.19	ppb	98
22) Anthracene	11.520	178	1798	8.46	ppb	97
23) Fluoranthene	13.011	202	2166	9.23	ppb	97
24) Pyrene	13.321	202	2160	9.06	ppb	96
26) Benzo[a]anthracene	15.104	228	1574	9.05	ppb	98
27) Chrysene	15.163	228	1577	9.01	ppb	99
29) Benzo[b]fluoranthene	16.680	252	1414	9.60	ppb	94
30) Benzo[k]fluoranthene	16.713	252	1293	9.04	ppb	90
31) Benzo[a]pyrene	17.109	252	1277	9.40	ppb	90
32) Indeno[1,2,3-cd]pyrene	18.708	276	935	8.43	ppb	96
33) Dibenz[a,h]anthracene	18.737	278	825	7.86	ppb	77
34) Benzo[g,h,i]perylene	19.096	276	947	8.78	ppb	100

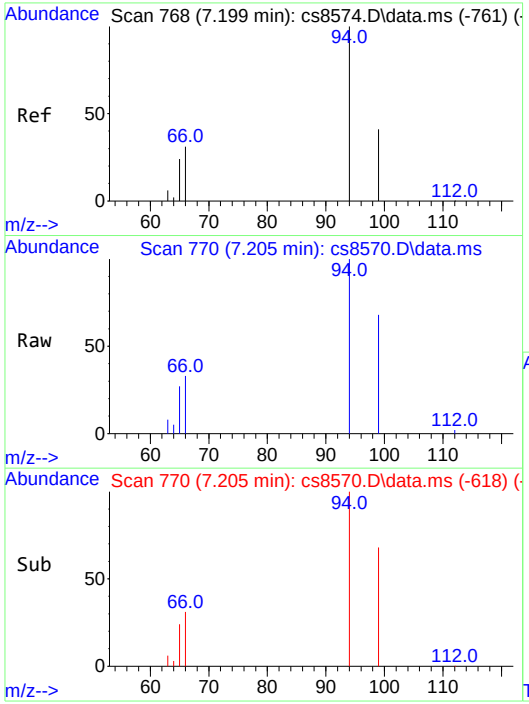
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8570.D
Acq On : 17 Sep 2025 12:22 pm
Operator : rocquans
Sample : ic446-0.01
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Sep 17 16:21:38 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration

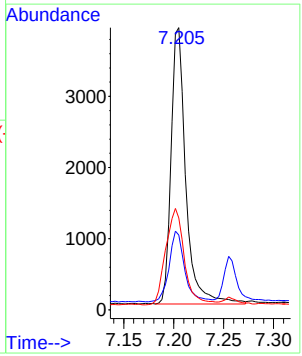


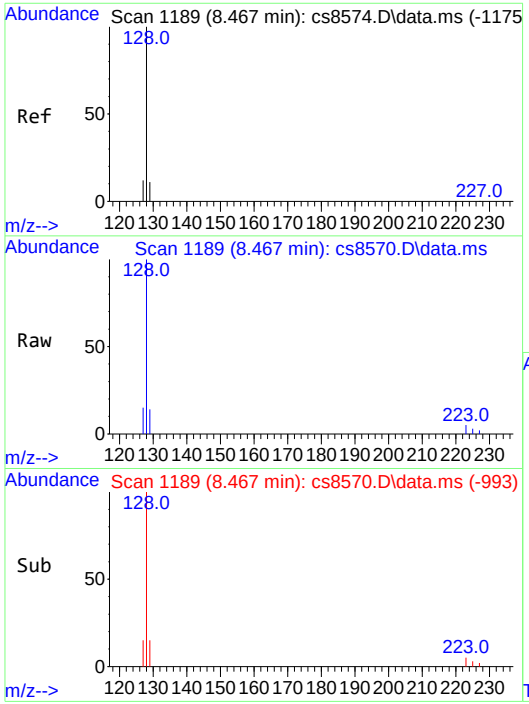


#5
Phenol
Concen: 47.30 ppb
RT: 7.205 min Scan# 770
Delta R.T. 0.006 min
Lab File: cs8570.D
Acq: 17 Sep 2025 12:22 pm

Tgt Ion: 94 Resp: 3991

Ion	Ratio	Lower	Upper
94	100		
65	23.1	17.0	25.4
66	30.6	24.6	37.0

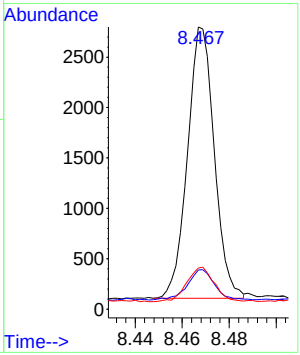


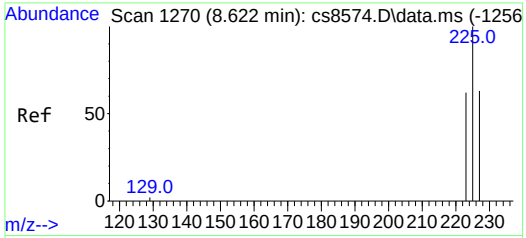


#7
Naphthalene
Concen: 9.71 ppb
RT: 8.467 min Scan# 1189
Delta R.T. -0.000 min
Lab File: cs8570.D
Acq: 17 Sep 2025 12:22 pm

Tgt Ion:128 Resp: 2141

Ion	Ratio	Lower	Upper
128	100		
129	11.0	0.0	40.8
127	12.4	0.0	42.4

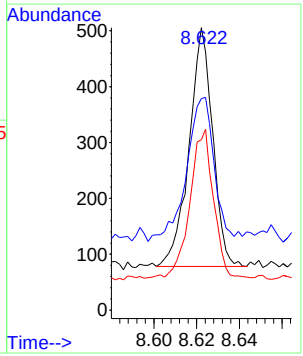


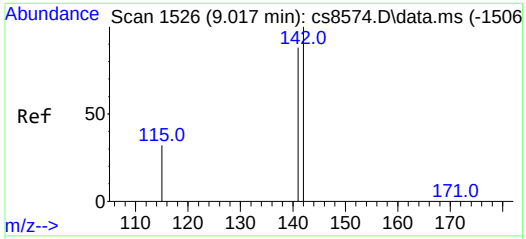


#8
Hexachlorobutadiene
Concen: 10.14 ppb
RT: 8.622 min Scan# 1270
Delta R.T. -0.000 min
Lab File: cs8570.D
Acq: 17 Sep 2025 12:22 pm

Tgt Ion:225 Resp: 327

Ion	Ratio	Lower	Upper
225	100		
223	56.4	31.8	91.8
227	57.2	32.6	92.6

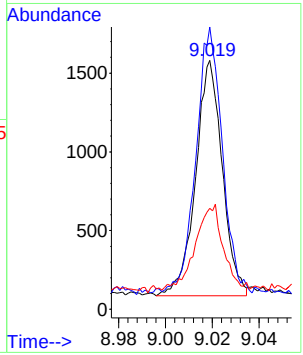


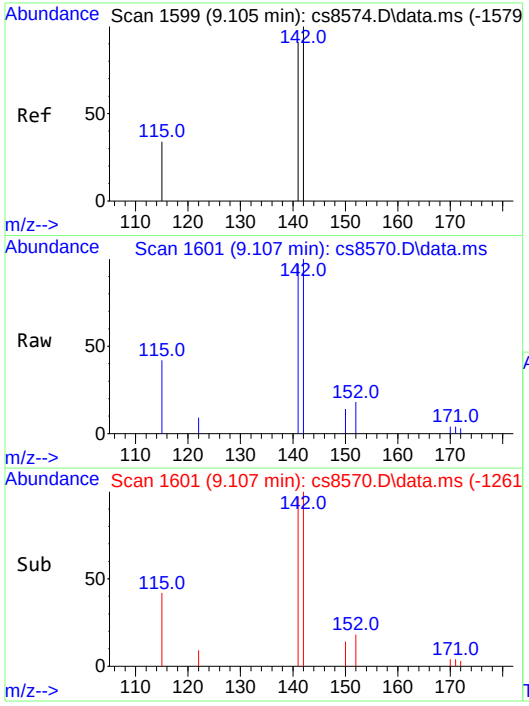


#9
2-Methylnaphthalene
Concen: 9.74 ppb
RT: 9.019 min Scan# 1528
Delta R.T. 0.002 min
Lab File: cs8570.D
Acq: 17 Sep 2025 12:22 pm

Tgt Ion:141 Resp: 1188

Ion	Ratio	Lower	Upper
141	100		
142	112.0	83.1	143.1
115	33.5	5.8	65.8

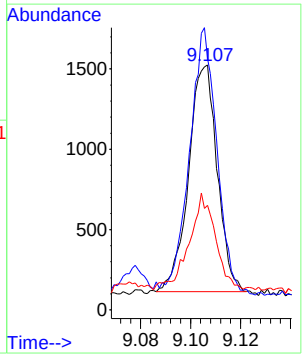


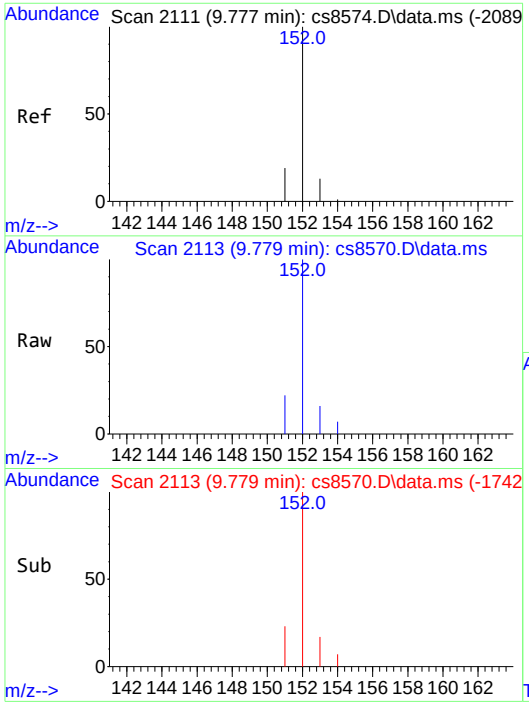


#10
1-Methylnaphthalene
Concen: 9.58 ppb
RT: 9.107 min Scan# 1601
Delta R.T. 0.002 min
Lab File: cs8570.D
Acq: 17 Sep 2025 12:22 pm

Tgt Ion:141 Resp: 1125

Ion	Ratio	Lower	Upper
141	100		
142	100.2	80.8	140.8
115	35.8	7.2	67.2

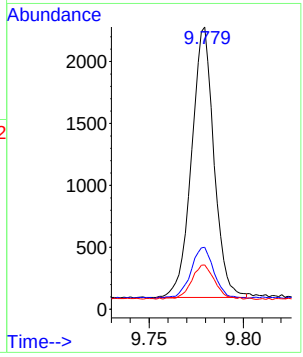


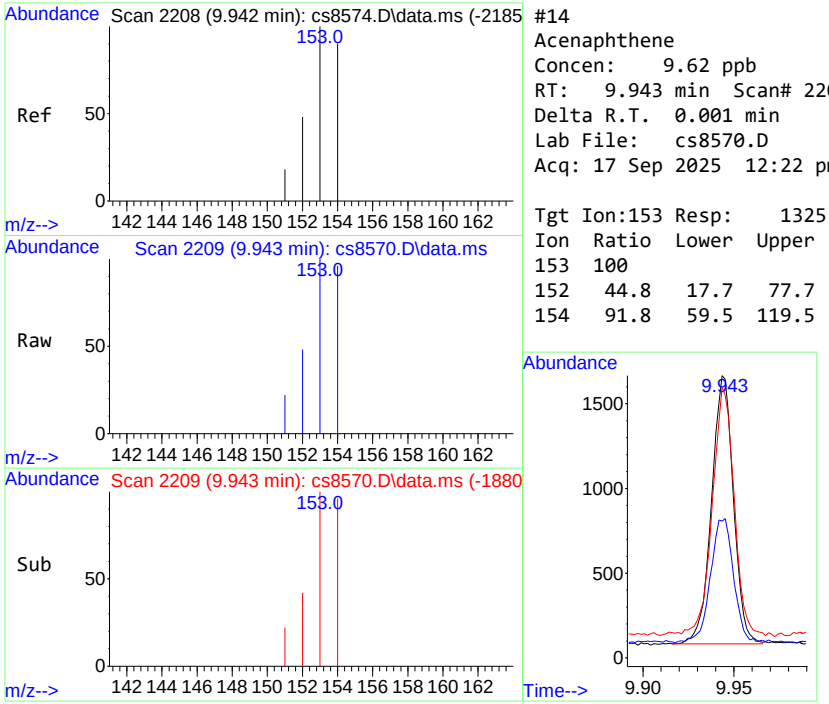


#13
Acenaphthylene
Concen: 8.94 ppb
RT: 9.779 min Scan# 2113
Delta R.T. 0.003 min
Lab File: cs8570.D
Acq: 17 Sep 2025 12:22 pm

Tgt Ion:152 Resp: 1803

Ion	Ratio	Lower	Upper
152	100		
151	18.9	0.0	49.3
153	12.6	0.0	42.7

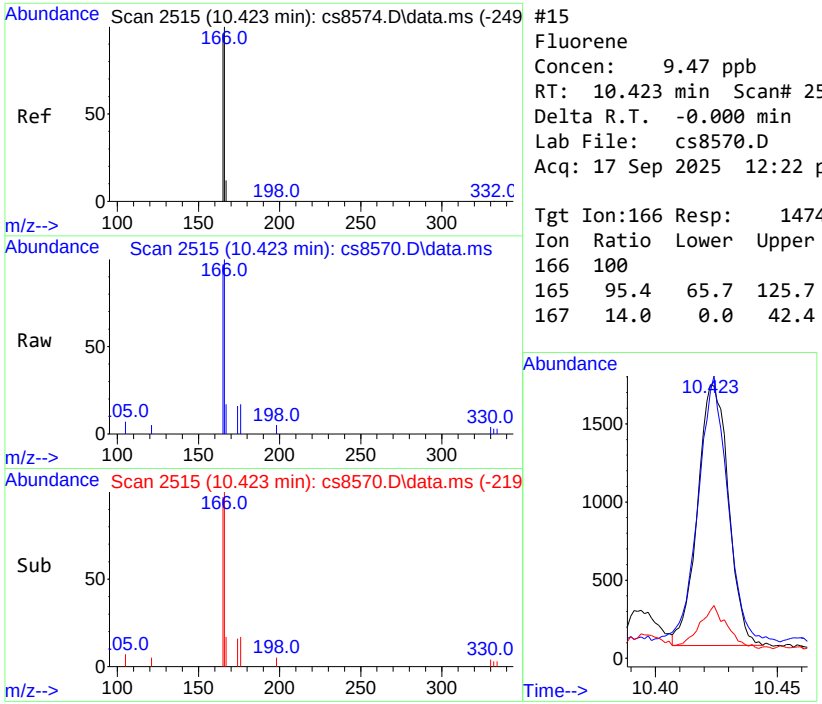




#14
Acenaphthene
Concen: 9.62 ppb
RT: 9.943 min Scan# 2209
Delta R.T. 0.001 min
Lab File: cs8570.D
Acq: 17 Sep 2025 12:22 pm

Tgt Ion:153 Resp: 1325

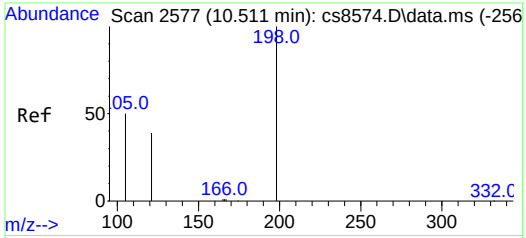
Ion	Ratio	Lower	Upper
153	100		
152	44.8	17.7	77.7
154	91.8	59.5	119.5



#15
Fluorene
Concen: 9.47 ppb
RT: 10.423 min Scan# 2515
Delta R.T. -0.000 min
Lab File: cs8570.D
Acq: 17 Sep 2025 12:22 pm

Tgt Ion:166 Resp: 1474

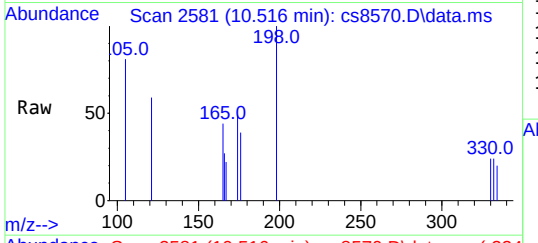
Ion	Ratio	Lower	Upper
166	100		
165	95.4	65.7	125.7
167	14.0	0.0	42.4

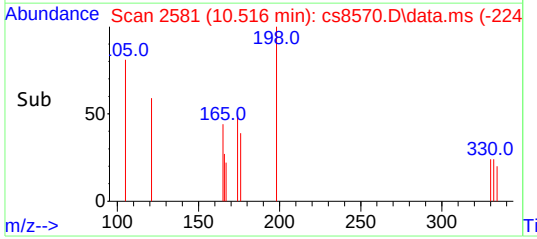


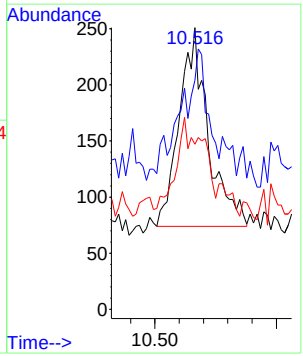
#16
4,6-dinitro-2-methylphenol
Concen: 10.47 ppb m
RT: 10.516 min Scan# 2581
Delta R.T. 0.005 min
Lab File: cs8570.D
Acq: 17 Sep 2025 12:22 pm

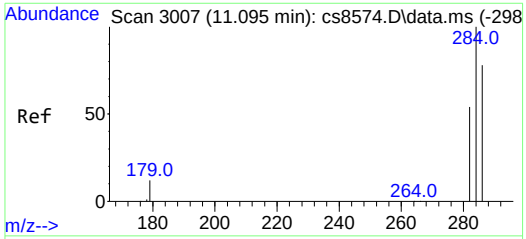
Tgt Ion:198 Resp: 146

Ion	Ratio	Lower	Upper
198	100		
105	81.3	29.9	69.9#
121	58.6	19.3	59.3





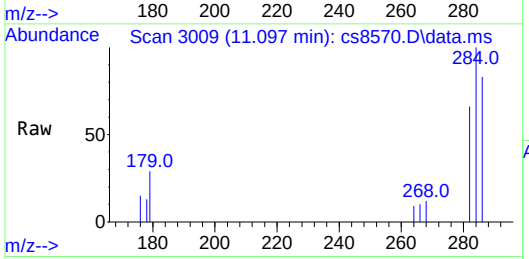


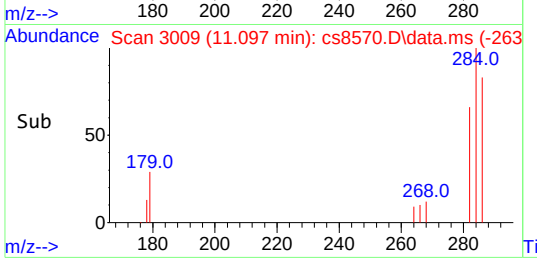


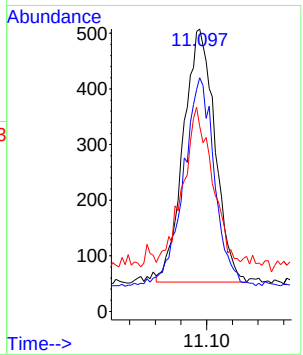
#19
Hexachlorobenzene
Concen: 9.25 ppb
RT: 11.097 min Scan# 3009
Delta R.T. 0.002 min
Lab File: cs8570.D
Acq: 17 Sep 2025 12:22 pm

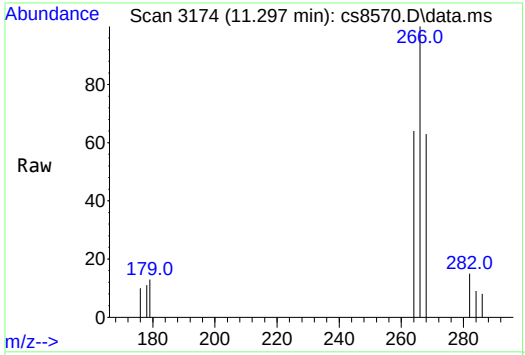
Tgt Ion:284 Resp: 387

Ion	Ratio	Lower	Upper
284	100		
286	80.6	48.0	108.0
282	53.3	23.8	83.8





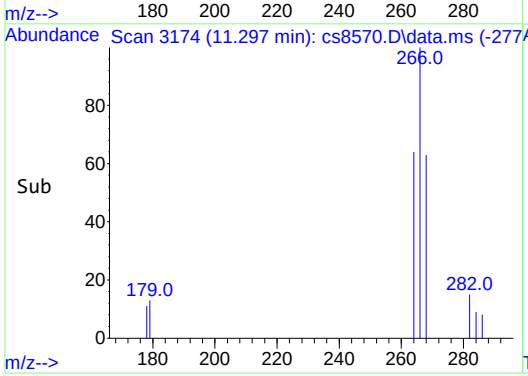


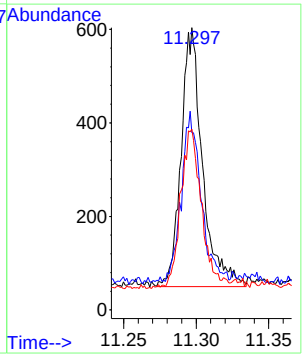


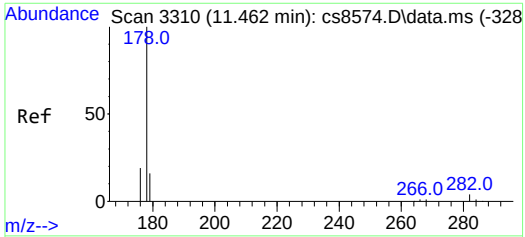
#20
Pentachlorophenol
Concen: 26.49 ppb m
RT: 11.297 min Scan# 3174
Delta R.T. 0.003 min
Lab File: cs8570.D
Acq: 17 Sep 2025 12:22 pm

Tgt Ion:266 Resp: 567

Ion	Ratio	Lower	Upper
266	100		
268	56.1	43.1	83.1
264	40.0	43.0	83.0#



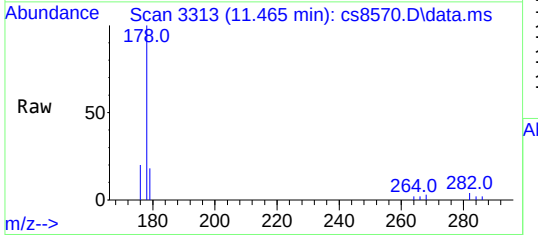


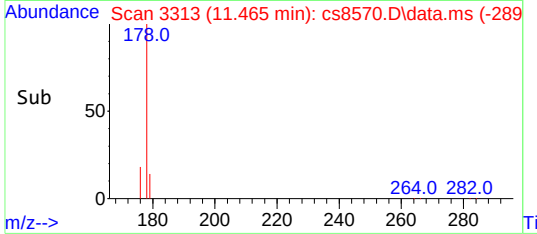


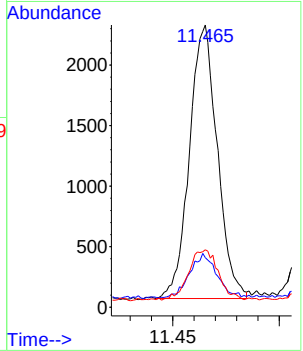
#21
Phenanthrene
Concen: 9.19 ppb
RT: 11.465 min Scan# 3313
Delta R.T. 0.003 min
Lab File: cs8570.D
Acq: 17 Sep 2025 12:22 pm

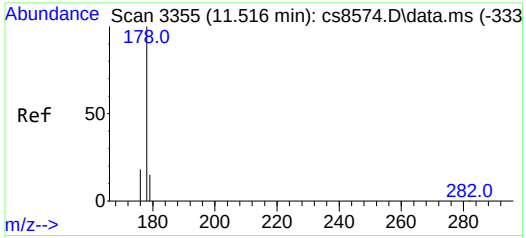
Tgt Ion:178 Resp: 2061

Ion	Ratio	Lower	Upper
178	100		
179	14.5	0.0	45.7
176	18.3	0.0	49.2





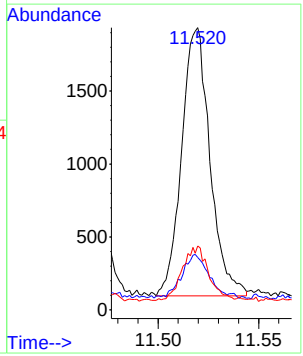


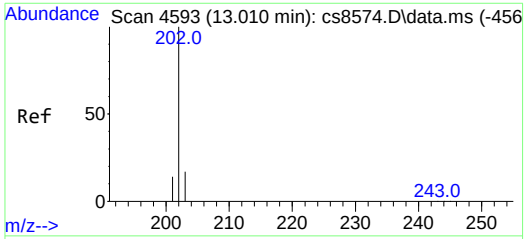


#22
Anthracene
Concen: 8.46 ppb
RT: 11.520 min Scan# 3358
Delta R.T. 0.004 min
Lab File: cs8570.D
Acq: 17 Sep 2025 12:22 pm

Tgt Ion:178 Resp: 1798

Ion	Ratio	Lower	Upper
178	100		
179	15.0	0.0	45.2
176	20.3	0.0	48.4

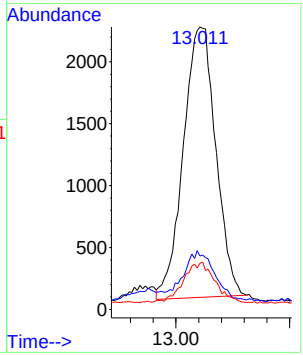


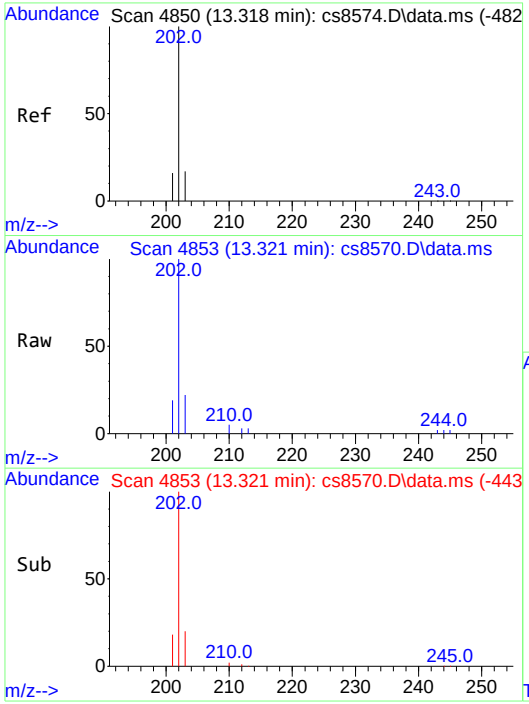


#23
Fluoranthene
Concen: 9.23 ppb
RT: 13.011 min Scan# 4594
Delta R.T. 0.001 min
Lab File: cs8570.D
Acq: 17 Sep 2025 12:22 pm

Tgt Ion:202 Resp: 2166

Ion	Ratio	Lower	Upper
202	100		
203	15.2	0.0	47.2
201	14.4	0.0	44.0

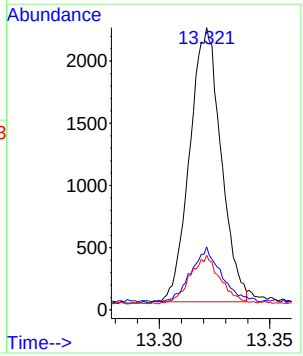


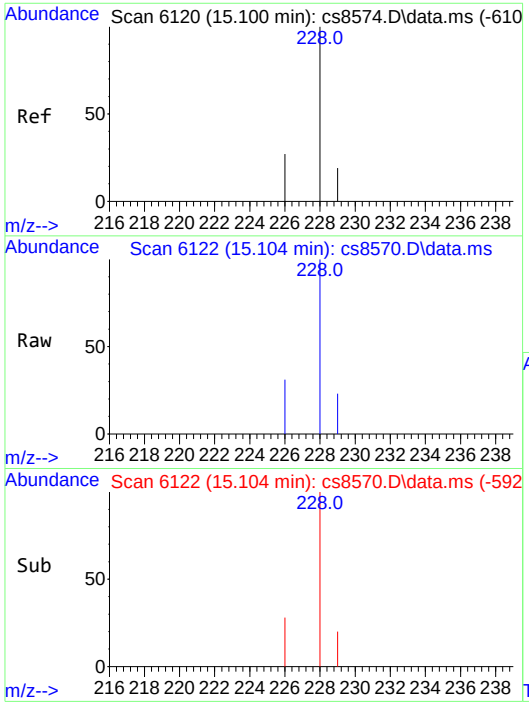


#24
Pyrene
Concen: 9.06 ppb
RT: 13.321 min Scan# 4853
Delta R.T. 0.003 min
Lab File: cs8570.D
Acq: 17 Sep 2025 12:22 pm

Tgt Ion:202 Resp: 2160

Ion	Ratio	Lower	Upper
202	100		
203	19.3	0.0	47.1
201	17.5	0.0	46.4

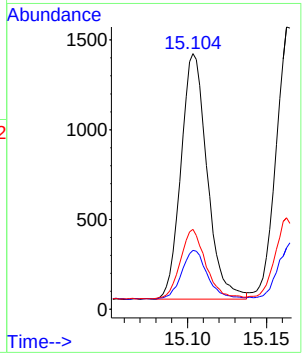


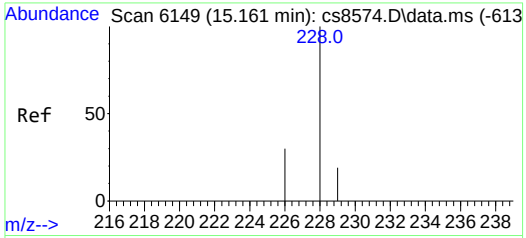


#26
Benzo[a]anthracene
Concen: 9.05 ppb
RT: 15.104 min Scan# 6122
Delta R.T. 0.004 min
Lab File: cs8570.D
Acq: 17 Sep 2025 12:22 pm

Tgt Ion:228 Resp: 1574

Ion	Ratio	Lower	Upper
228	100		
229	19.8	0.0	49.1
226	28.2	0.0	57.0

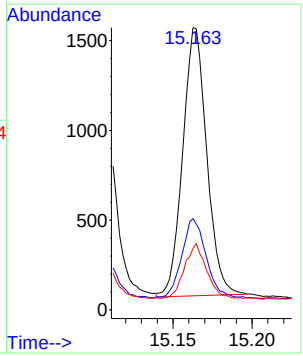


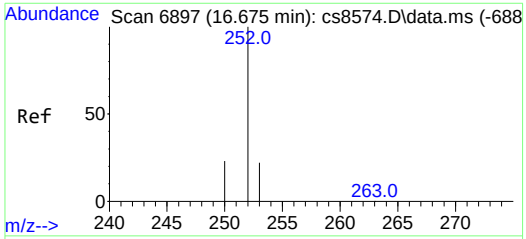


#27
Chrysene
Concen: 9.01 ppb
RT: 15.163 min Scan# 6150
Delta R.T. 0.002 min
Lab File: cs8570.D
Acq: 17 Sep 2025 12:22 pm

Tgt Ion:228 Resp: 1577

Ion	Ratio	Lower	Upper
228	100		
226	29.6	0.0	59.6
229	18.5	0.0	49.1

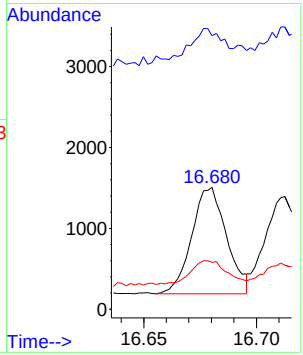


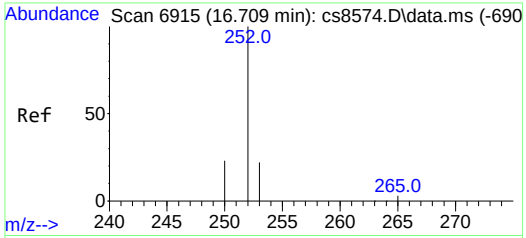


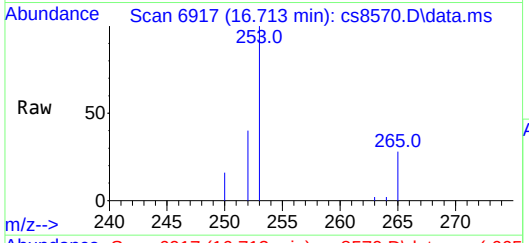
#29
Benzo[b]fluoranthene
Concen: 9.60 ppb
RT: 16.680 min Scan# 6900
Delta R.T. 0.005 min
Lab File: cs8570.D
Acq: 17 Sep 2025 12:22 pm

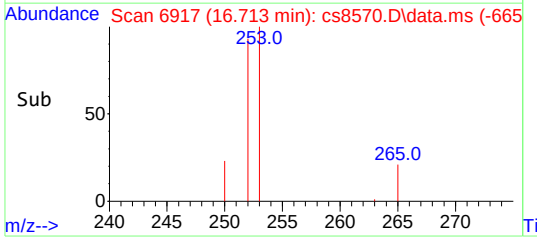
Tgt Ion:252 Resp: 1414

Ion	Ratio	Lower	Upper
252	100		
253	18.2	0.0	51.5
250	21.0	0.0	53.4





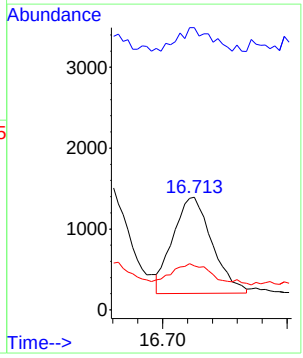


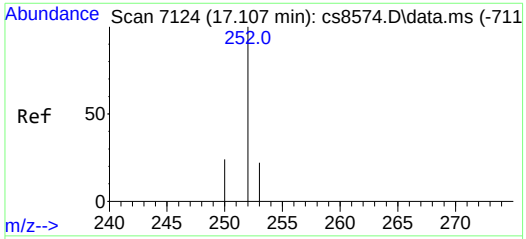


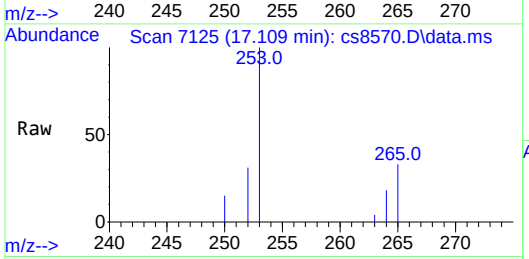
#30
Benzo[k]fluoranthene
Concen: 9.04 ppb
RT: 16.713 min Scan# 6917
Delta R.T. 0.003 min
Lab File: cs8570.D
Acq: 17 Sep 2025 12:22 pm

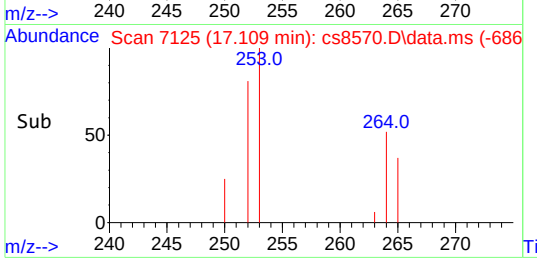
Tgt Ion:252 Resp: 1293

Ion	Ratio	Lower	Upper
252	100		
253	26.1	0.0	51.3
250	18.5	0.0	53.2





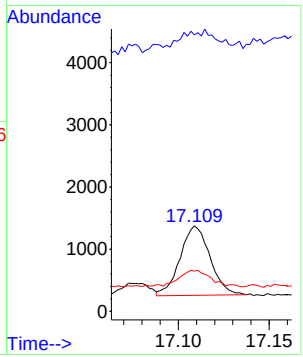


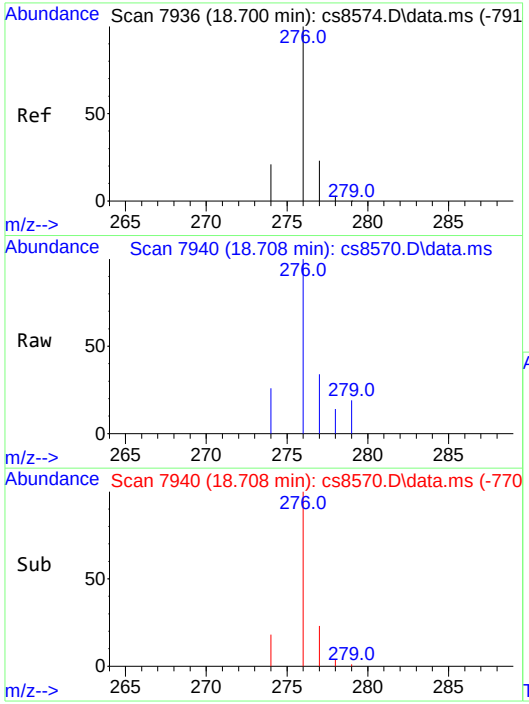


#31
Benzo[a]pyrene
Concen: 9.40 ppb
RT: 17.109 min Scan# 7125
Delta R.T. 0.002 min
Lab File: cs8570.D
Acq: 17 Sep 2025 12:22 pm

Tgt Ion:252 Resp: 1277

Ion	Ratio	Lower	Upper
252	100		
253	14.0	0.0	51.3
250	21.3	0.0	53.7

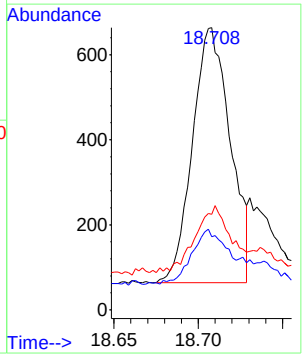


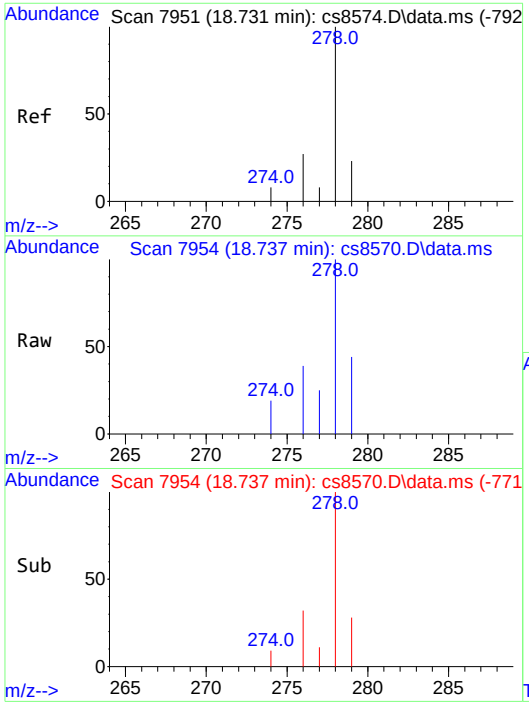


#32
Indeno[1,2,3-cd]pyrene
Concen: 8.43 ppb
RT: 18.708 min Scan# 7940
Delta R.T. 0.008 min
Lab File: cs8570.D
Acq: 17 Sep 2025 12:22 pm

Tgt Ion:276 Resp: 935

Ion	Ratio	Lower	Upper
276	100		
274	16.6	0.0	50.4
277	22.2	0.0	52.4

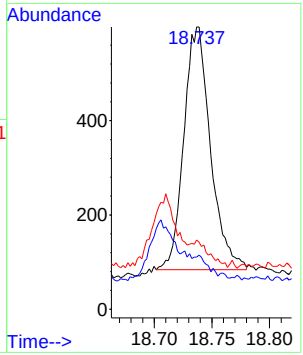


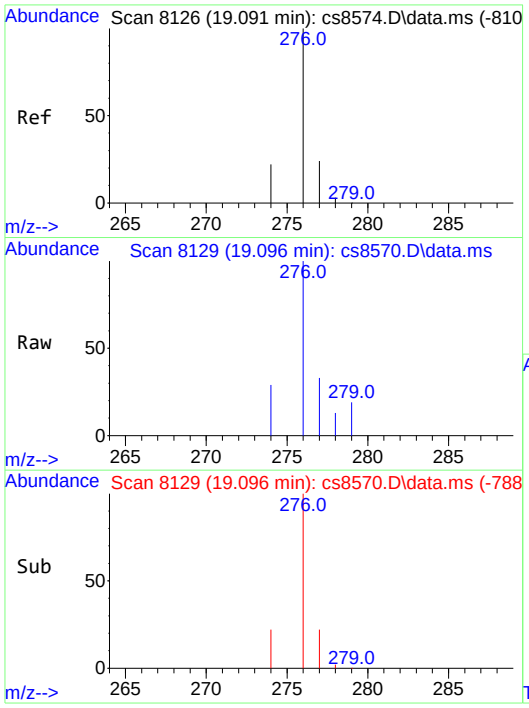


#33
Dibenz[a,h]anthracene
Concen: 7.86 ppb
RT: 18.737 min Scan# 7954
Delta R.T. 0.006 min
Lab File: cs8570.D
Acq: 17 Sep 2025 12:22 pm

Tgt Ion:278 Resp: 825

Ion	Ratio	Lower	Upper
278	100		
274	0.0	0.0	38.4
277	0.0	0.0	37.8

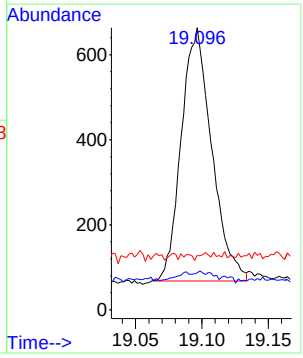




#34
Benzo[g,h,i]perylene
Concen: 8.78 ppb
RT: 19.096 min Scan# 8129
Delta R.T. 0.006 min
Lab File: cs8570.D
Acq: 17 Sep 2025 12:22 pm

Tgt Ion:276 Resp: 947

Ion	Ratio	Lower	Upper
276	100		
278	2.7	0.0	32.6
279	0.0	0.0	30.2



Manual Integration Approval Summary

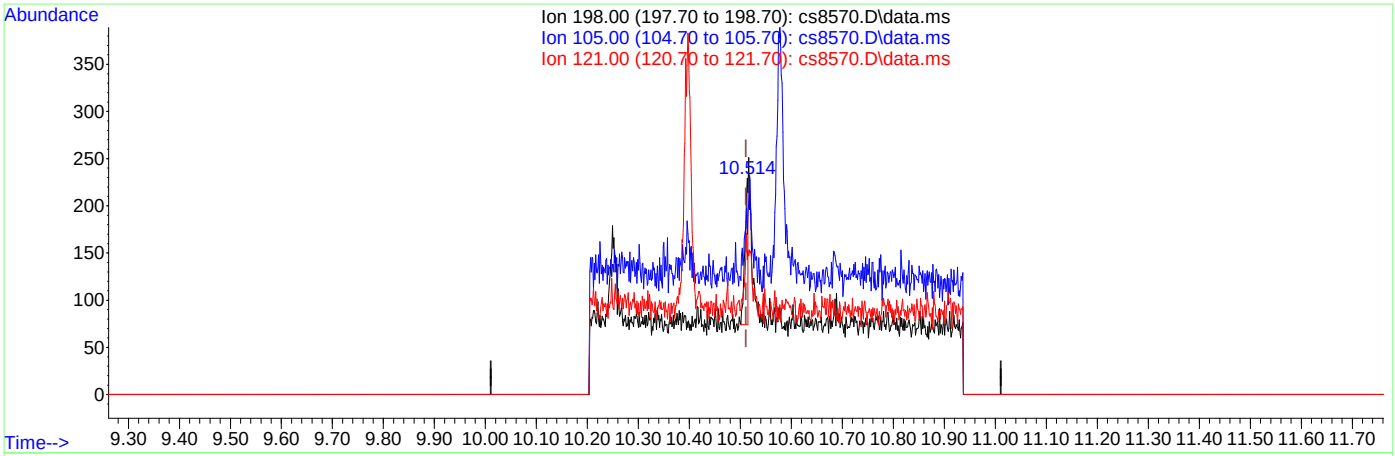
Sample Number: ECS446-IC446
Lab FileID: CS8570.D
Injection Time: 09/17/25 12:22
Method: SW846 8270E BY SIM
Analyst approved: 09/17/25 18:29 Rocquan Salters
Supervisor approved: 09/18/25 10:52 Ying Li

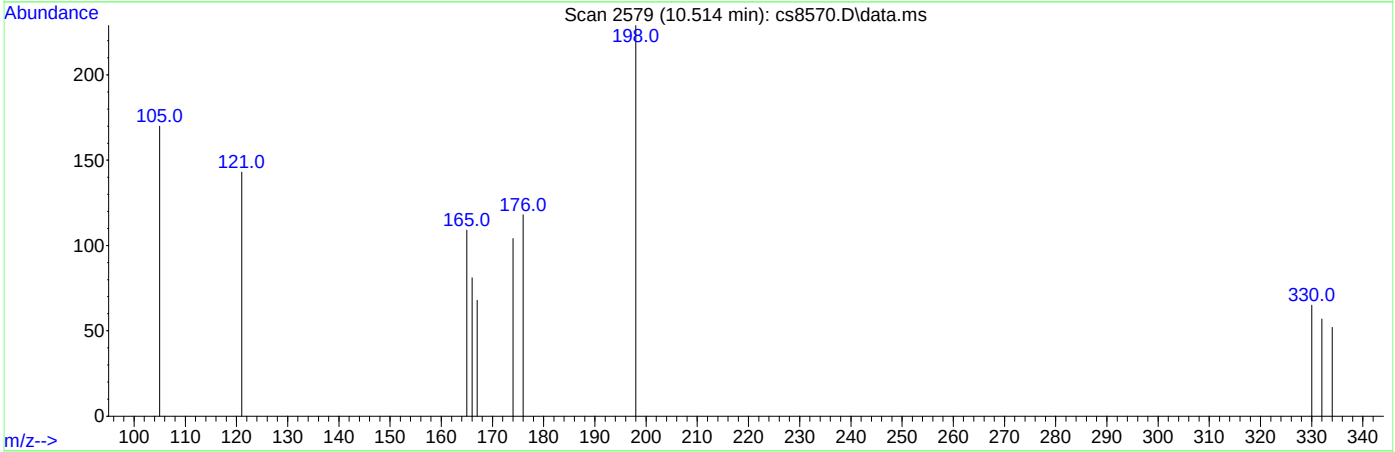
Parameter	CAS	Sig#	R.T. (min.)	Reason
4,6-Dinitro-o-cresol	534-52-1		10.52	Baseline ripple
Pentachlorophenol	87-86-5		11.30	Baseline ripple

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8570.D
Acq On : 17 Sep 2025 12:22 pm
Operator : rocquans
Sample : ic446-0.01
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Sep 17 15:45:45 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 15:40:02 2025
Response via : Initial Calibration





TIC: cs8570.D\data.ms

(16) 4,6-dinitro-2-methylphenol

10.514min (+0.003) 0.00ppb

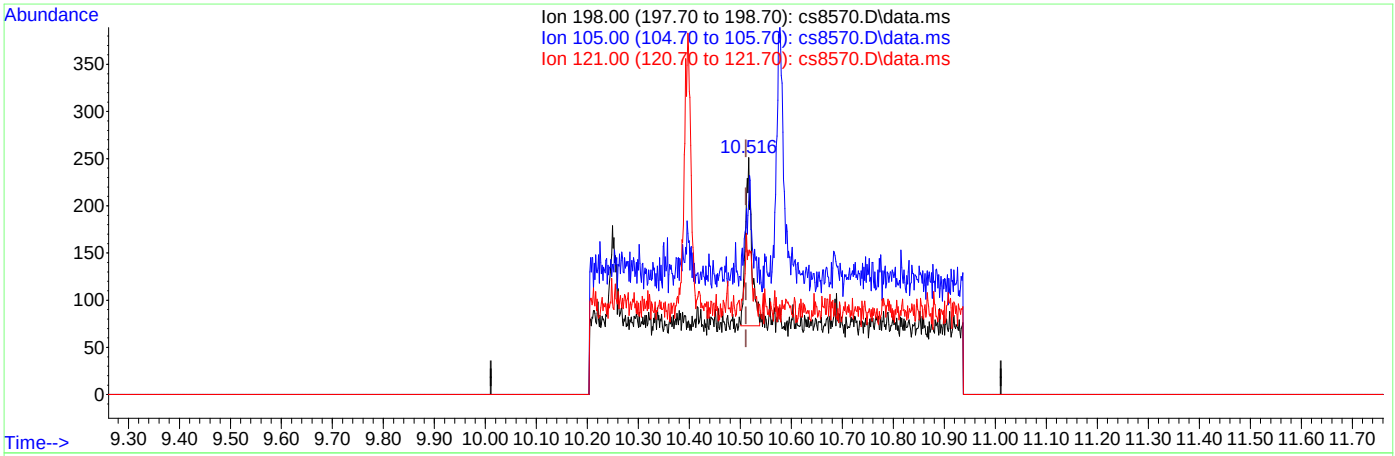
response 68

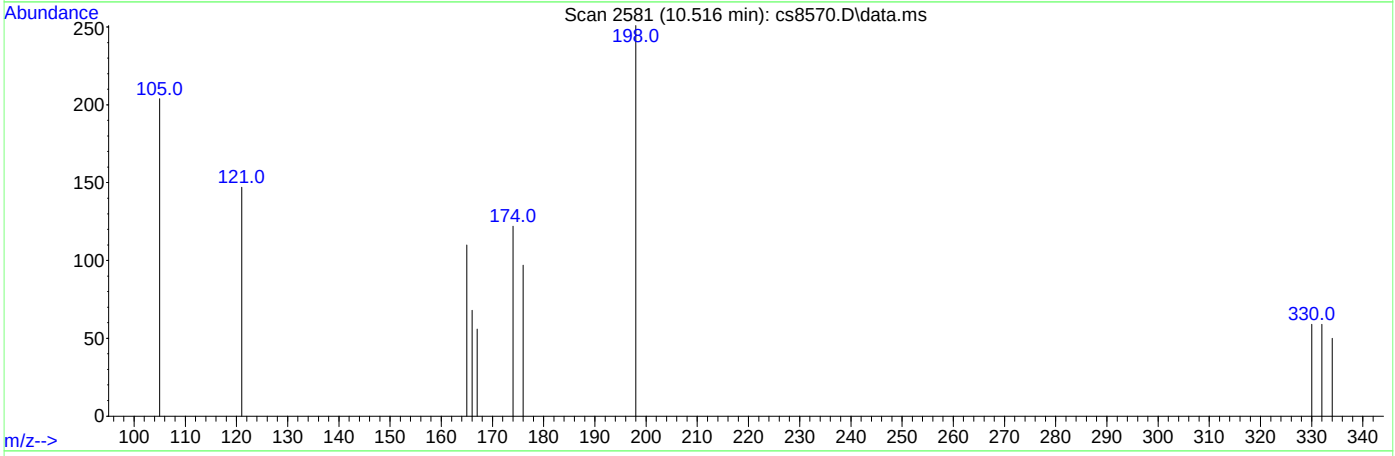
Ion	Exp%	Act%
198.00	100	100
105.00	49.90	17.06#
121.00	39.30	25.29
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8570.D
Acq On : 17 Sep 2025 12:22 pm
Operator : rocquans
Sample : ic446-0.01
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Sep 17 15:45:45 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 15:40:02 2025
Response via : Initial Calibration





TIC: cs8570.D\data.ms

(16) 4,6-dinitro-2-methylphenol

10.516min (+0.006) 0.00ppb m

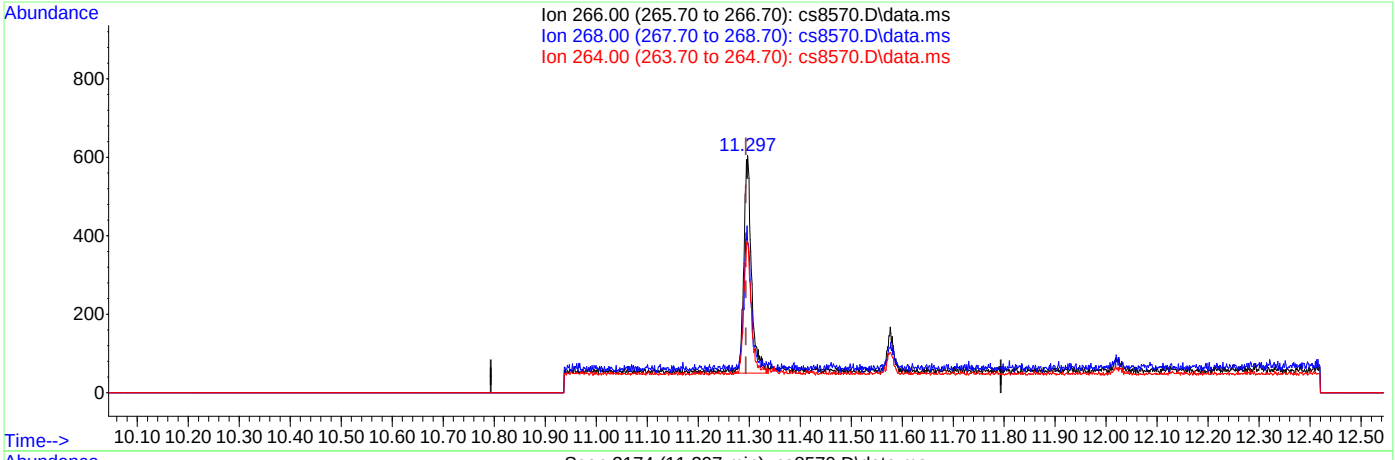
response 148

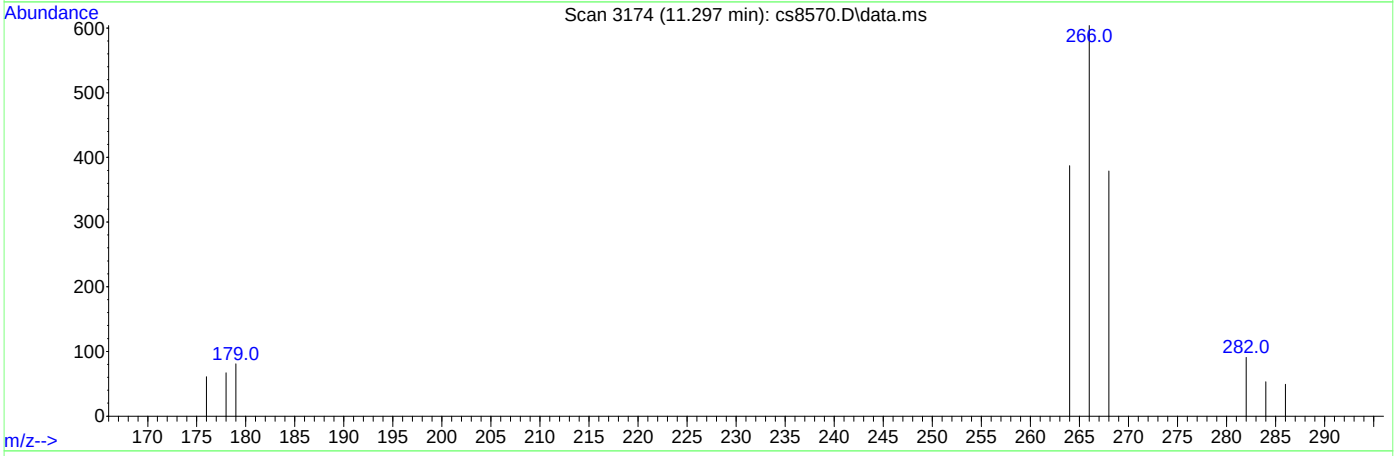
Ion	Exp%	Act%
198.00	100	100
105.00	49.90	81.27#
121.00	39.30	58.57
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8570.D
Acq On : 17 Sep 2025 12:22 pm
Operator : rocquans
Sample : ic446-0.01
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Sep 17 16:21:38 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration





TIC: cs8570.D\data.ms

(20) Pentachlorophenol (t)

11.297min (+0.003) 26.49ppb m

response 567

Ion	Exp%	Act%
266.00	100	100
268.00	63.10	56.08
264.00	63.00	40.04#
0.00	0.00	0.00

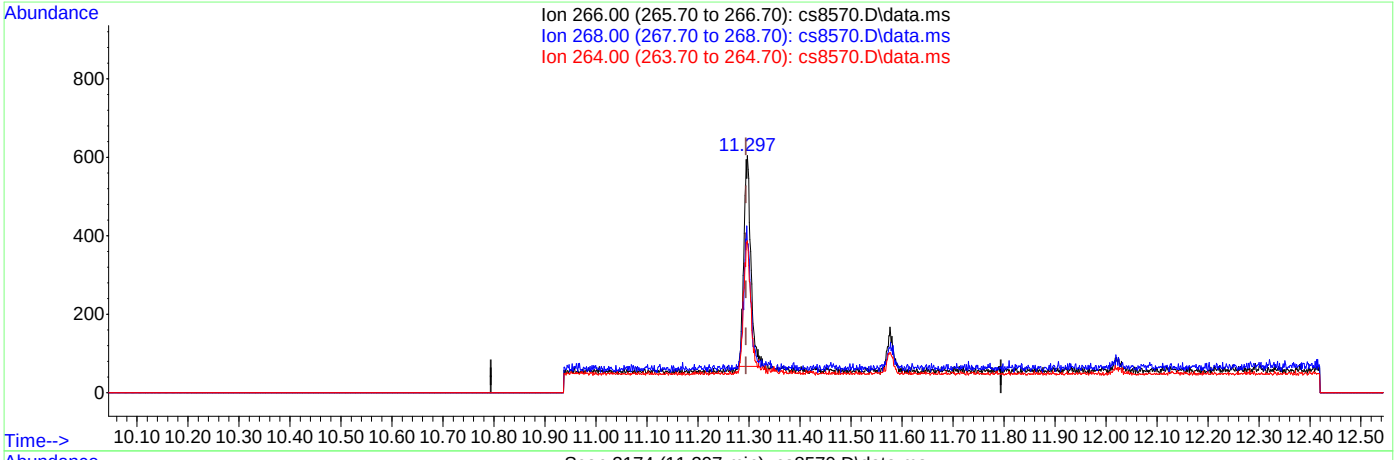
9.6.3.4

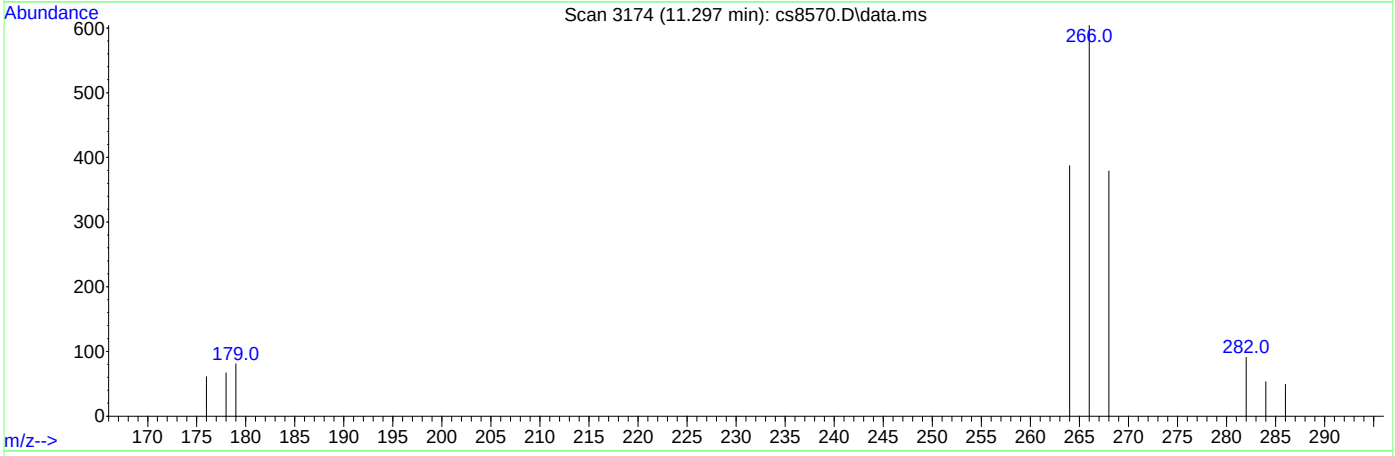
9

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS445\
Data File : cs8570.D
Acq On : 17 Sep 2025 12:22 pm
Operator : rocquans
Sample : ic446-0.01
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Sep 18 10:08:35 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 17:26:33 2025
Response via : Initial Calibration





TIC: cs8570.D\data.ms

(20) Pentachlorophenol (t)

11.297min (+0.003) 44.95ppb

response 500

Ion	Exp%	Act%
266.00	100	100
268.00	63.10	63.60
264.00	63.00	45.40
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Ying Li
09/18/25 10:52

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8571.D
Acq On : 17 Sep 2025 12:48 pm
Operator : rocquans
Sample : ic446-0.02
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Sep 17 16:21:40 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration

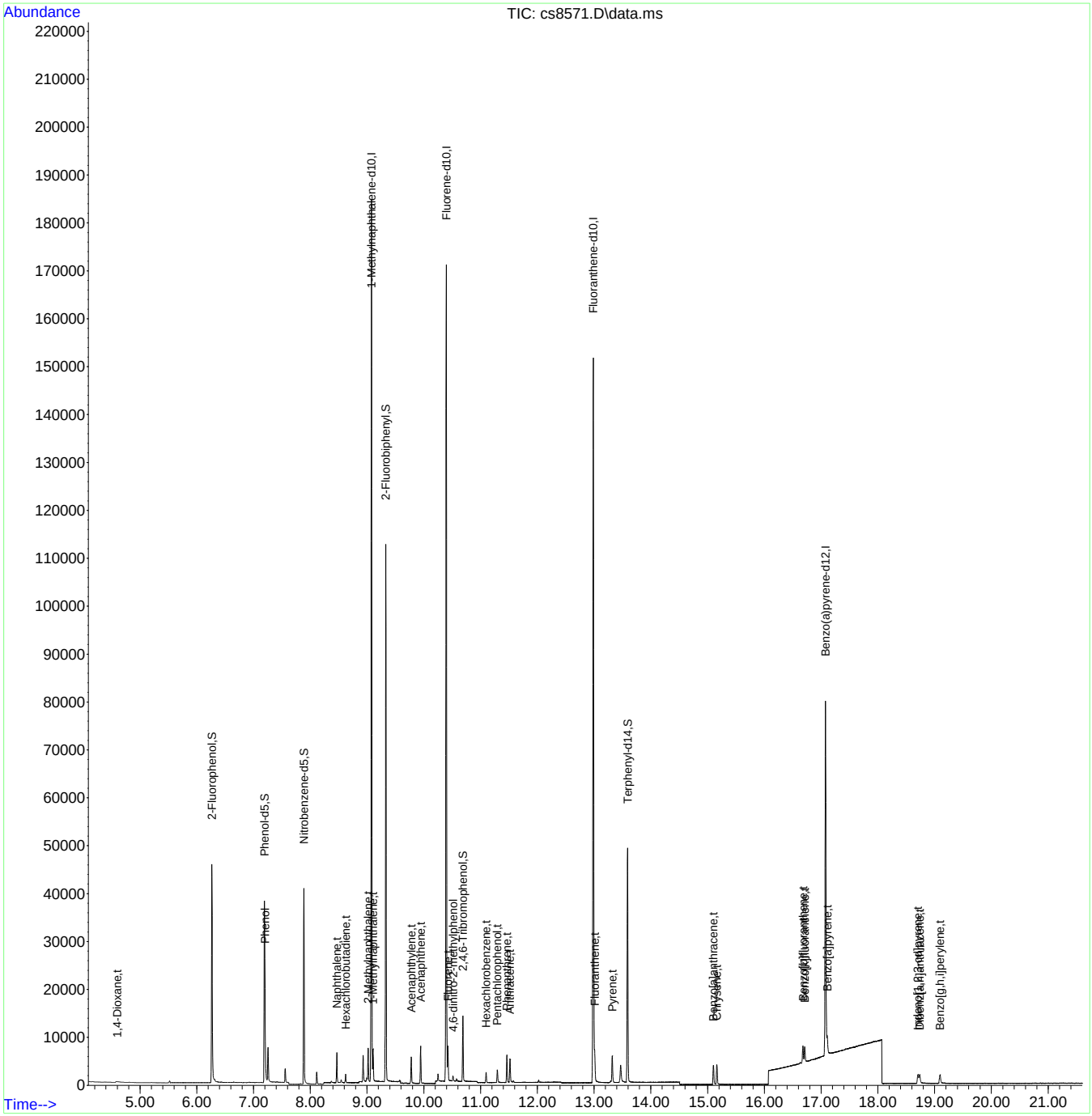
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1-Methylnaphthalene-d10	9.077	150	57502	800.00	ppb		0.00
11) Fluorene-d10	10.396	176	74454	800.00	ppb		0.00
18) Fluoranthene-d10	12.986	212	114136	800.00	ppb		0.00
28) Benzo(a)pyrene-d12	17.077	264	61176	800.00	ppb		0.00
System Monitoring Compounds							
3) 2-Fluorophenol	6.267	112	22583	375.74	ppb		0.00
Spiked Amount 10000.000			Recovery =	3.76%			
4) Phenol-d5	7.192	99	26643	383.30	ppb		0.00
Spiked Amount 10000.000			Recovery =	3.83%			
6) Nitrobenzene-d5	7.887	82	22231	393.84	ppb		0.00
Spiked Amount 10000.000			Recovery =	3.94%			
12) 2-Fluorobiphenyl	9.330	172	53421	429.42	ppb		0.00
Spiked Amount 10000.000			Recovery =	4.29%			
17) 2,4,6-Tribromophenol	10.687	330	4706	333.90	ppb		0.00
Spiked Amount 10000.000			Recovery =	3.34%			
25) Terphenyl-d14	13.589	244	34587	399.31	ppb		0.00
Spiked Amount 10000.000			Recovery =	3.99%			
Target Compounds							Qvalue
2) 1,4-Dioxane	4.597	88	454m	17.04	ppb		
5) Phenol	7.202	94	7648	97.21	ppb		100
7) Naphthalene	8.467	128	4129	20.09	ppb		100
8) Hexachlorobutadiene	8.622	225	616	20.49	ppb		97
9) 2-Methylnaphthalene	9.018	141	2261	19.88	ppb		98
10) 1-Methylnaphthalene	9.104	141	2149	19.62	ppb		96
13) Acenaphthylene	9.778	152	3533	18.67	ppb		99
14) Acenaphthene	9.944	153	2551	19.73	ppb		99
15) Fluorene	10.424	166	2867	19.63	ppb		99
16) 4,6-dinitro-2-methylph...	10.516	198	472m	36.09	ppb		
19) Hexachlorobenzene	11.096	284	767	19.74	ppb		98
20) Pentachlorophenol	11.295	266	1080	54.32	ppb	#	81
21) Phenanthrene	11.464	178	3966	19.04	ppb		98
22) Anthracene	11.517	178	3540	17.93	ppb		96
23) Fluoranthene	13.010	202	4211	19.31	ppb		98
24) Pyrene	13.320	202	4204	18.97	ppb		99
26) Benzo[a]anthracene	15.102	228	2992	18.52	ppb		99
27) Chrysene	15.163	228	3051	18.76	ppb		99
29) Benzo[b]fluoranthene	16.679	252	2650	19.44	ppb		99
30) Benzo[k]fluoranthene	16.711	252	2478	18.72	ppb		93
31) Benzo[a]pyrene	17.107	252	2488	19.79	ppb		96
32) Indeno[1,2,3-cd]pyrene	18.704	276	1927m	18.77	ppb		
33) Dibenz[a,h]anthracene	18.735	278	1819m	18.73	ppb		
34) Benzo[g,h,i]perylene	19.093	276	1905	19.09	ppb		98

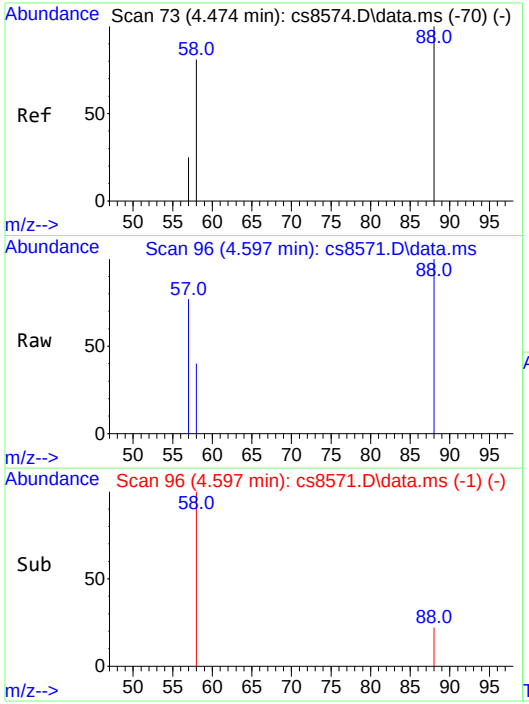
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8571.D
Acq On : 17 Sep 2025 12:48 pm
Operator : rocquans
Sample : ic446-0.02
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Sep 17 16:21:40 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration

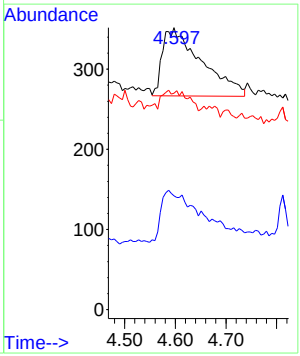


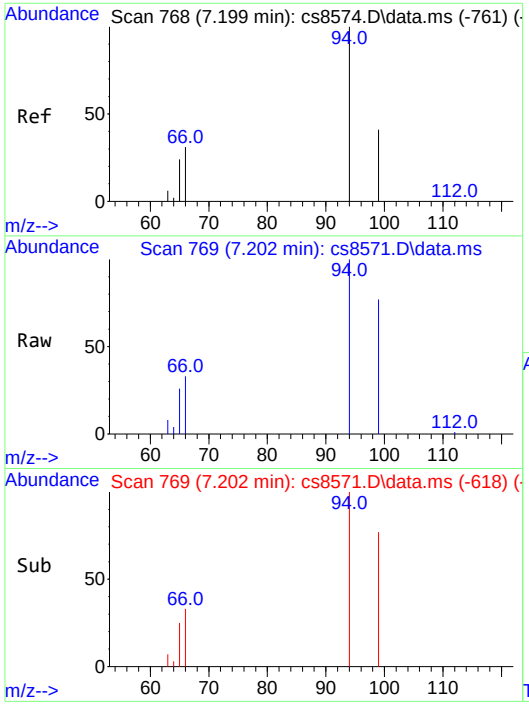


#2
1,4-Dioxane
Concen: 17.04 ppb m
RT: 4.597 min Scan# 96
Delta R.T. 0.123 min
Lab File: cs8571.D
Acq: 17 Sep 2025 12:48 pm

Tgt Ion: 88 Resp: 454

Ion	Ratio	Lower	Upper
88	100		
58	40.3	61.3	101.3#
57	76.7	5.8	45.8#

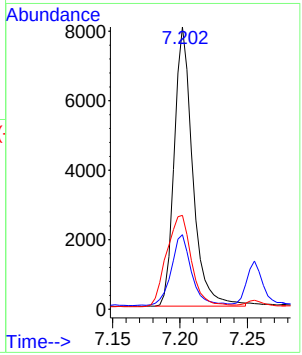


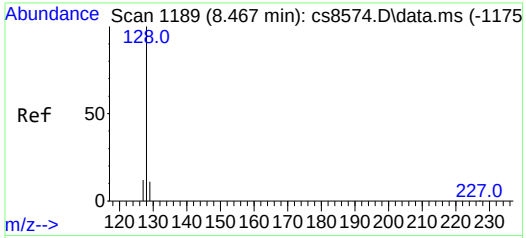


#5
Phenol
Concen: 97.21 ppb
RT: 7.202 min Scan# 769
Delta R.T. 0.003 min
Lab File: cs8571.D
Acq: 17 Sep 2025 12:48 pm

Tgt Ion: 94 Resp: 7648

Ion	Ratio	Lower	Upper
94	100		
65	21.4	17.0	25.4
66	30.8	24.6	37.0

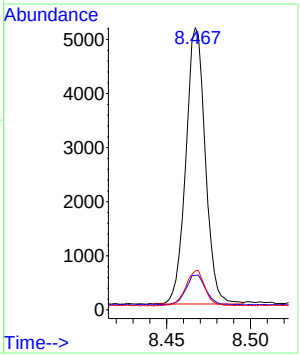


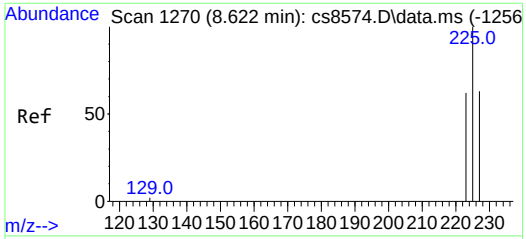


#7
Naphthalene
Concen: 20.09 ppb
RT: 8.467 min Scan# 1189
Delta R.T. -0.000 min
Lab File: cs8571.D
Acq: 17 Sep 2025 12:48 pm

Tgt Ion:128 Resp: 4129

Ion	Ratio	Lower	Upper
128	100		
129	10.6	0.0	40.8
127	12.6	0.0	42.4

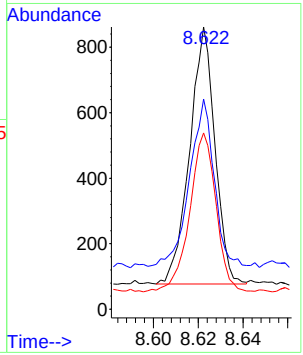


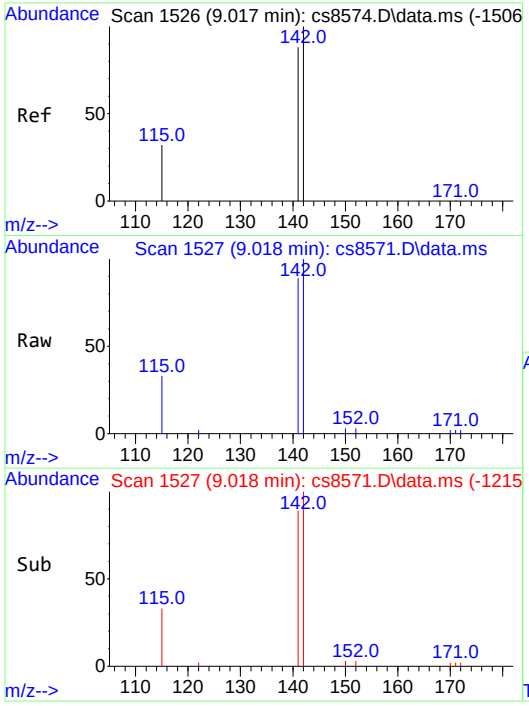


#8
Hexachlorobutadiene
Concen: 20.49 ppb
RT: 8.622 min Scan# 1270
Delta R.T. -0.000 min
Lab File: cs8571.D
Acq: 17 Sep 2025 12:48 pm

Tgt Ion:225 Resp: 616

Ion	Ratio	Lower	Upper
225	100		
223	64.7	31.8	91.8
227	61.5	32.6	92.6

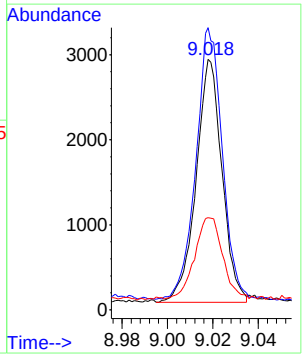


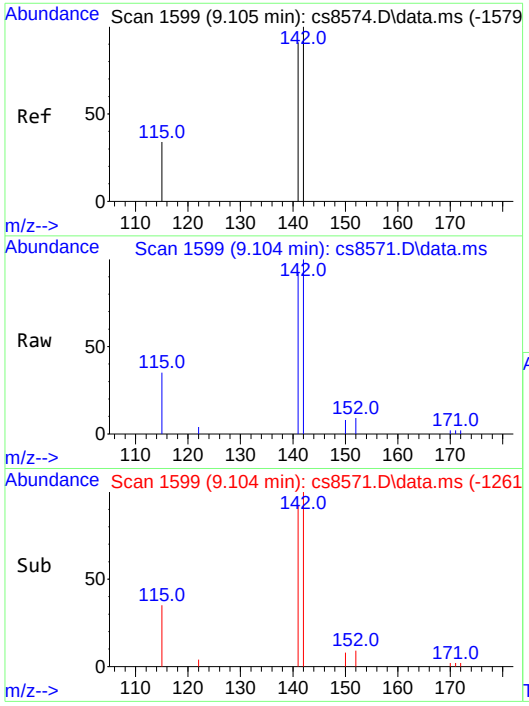


#9
2-Methylnaphthalene
Concen: 19.88 ppb
RT: 9.018 min Scan# 1527
Delta R.T. 0.001 min
Lab File: cs8571.D
Acq: 17 Sep 2025 12:48 pm

Tgt Ion:141 Resp: 2261

Ion	Ratio	Lower	Upper
141	100		
142	111.8	83.1	143.1
115	32.6	5.8	65.8

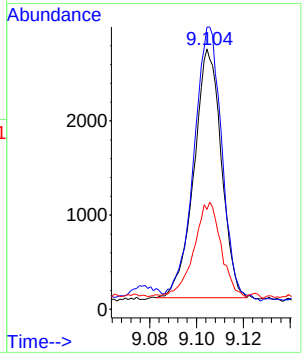


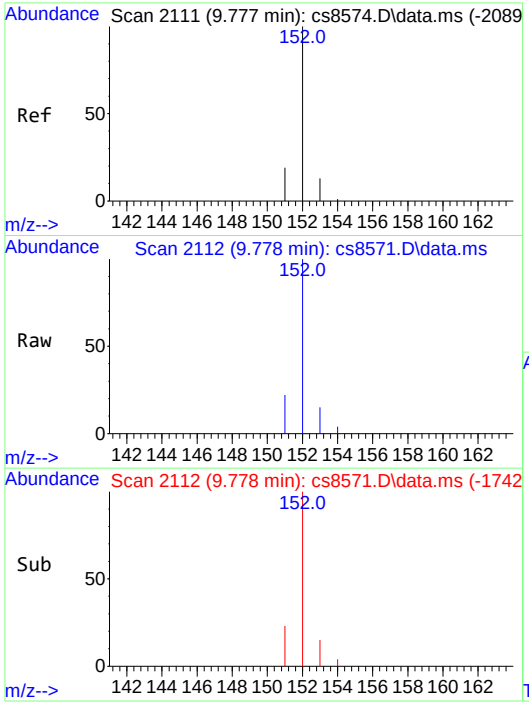


#10
1-Methylnaphthalene
Concen: 19.62 ppb
RT: 9.104 min Scan# 1599
Delta R.T. -0.000 min
Lab File: cs8571.D
Acq: 17 Sep 2025 12:48 pm

Tgt Ion:141 Resp: 2149

Ion	Ratio	Lower	Upper
141	100		
142	106.4	80.8	140.8
115	34.5	7.2	67.2

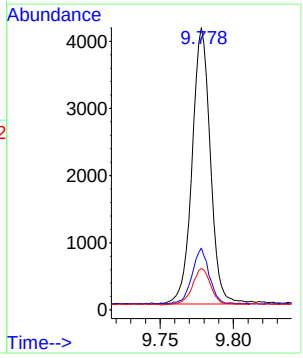


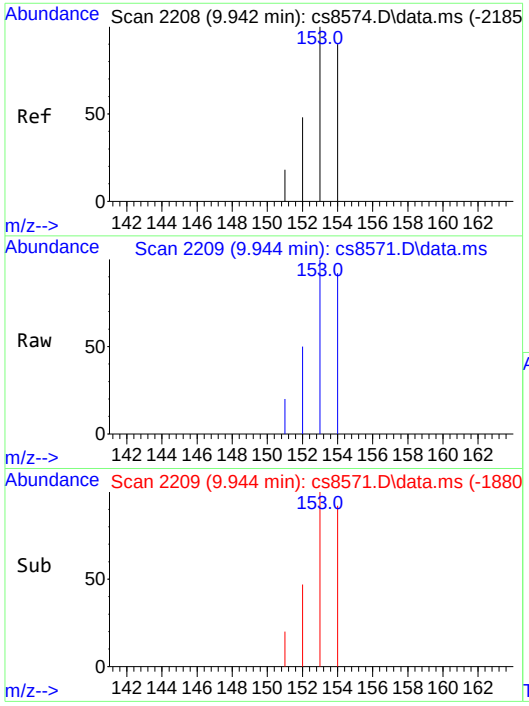


#13
Acenaphthylene
Concen: 18.67 ppb
RT: 9.778 min Scan# 2112
Delta R.T. 0.002 min
Lab File: cs8571.D
Acq: 17 Sep 2025 12:48 pm

Tgt Ion:152 Resp: 3533

Ion	Ratio	Lower	Upper
152	100		
151	20.2	0.0	49.3
153	13.0	0.0	42.7

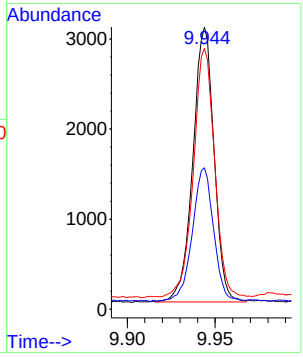


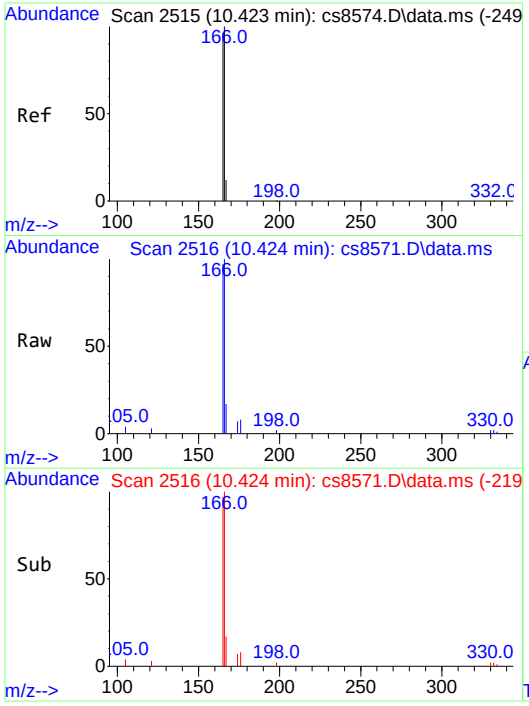


#14
Acenaphthene
Concen: 19.73 ppb
RT: 9.944 min Scan# 2209
Delta R.T. 0.002 min
Lab File: cs8571.D
Acq: 17 Sep 2025 12:48 pm

Tgt Ion:153 Resp: 2551

Ion	Ratio	Lower	Upper
153	100		
152	48.5	17.7	77.7
154	90.4	59.5	119.5

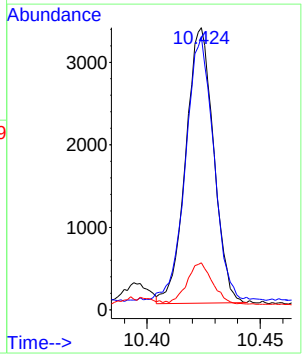


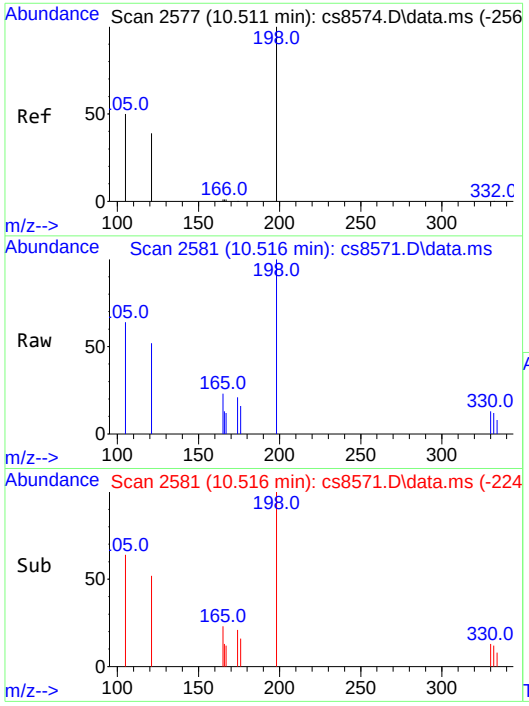


#15
Fluorene
Concen: 19.63 ppb
RT: 10.424 min Scan# 2516
Delta R.T. 0.001 min
Lab File: cs8571.D
Acq: 17 Sep 2025 12:48 pm

Tgt Ion:166 Resp: 2867

Ion	Ratio	Lower	Upper
166	100		
165	95.1	65.7	125.7
167	14.7	0.0	42.4

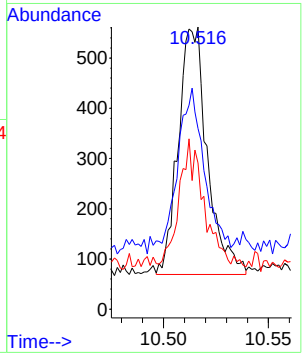


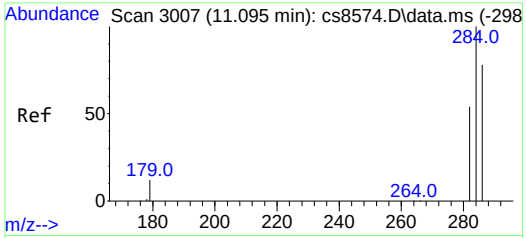


#16
4,6-dinitro-2-methylphenol
Concen: 36.09 ppb m
RT: 10.516 min Scan# 2581
Delta R.T. 0.005 min
Lab File: cs8571.D
Acq: 17 Sep 2025 12:48 pm

Tgt Ion:198 Resp: 472

Ion	Ratio	Lower	Upper
198	100		
105	64.1	29.9	69.9
121	51.8	19.3	59.3

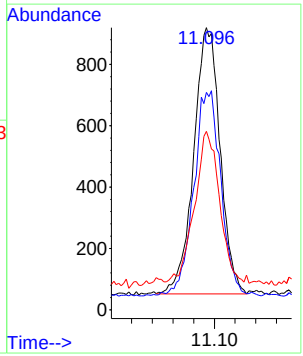


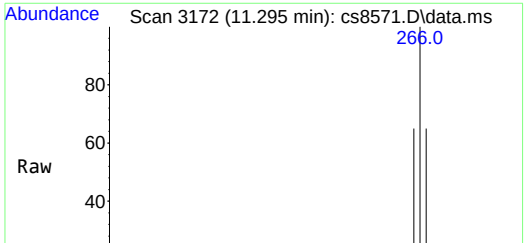


#19
Hexachlorobenzene
Concen: 19.74 ppb
RT: 11.096 min Scan# 3008
Delta R.T. 0.001 min
Lab File: cs8571.D
Acq: 17 Sep 2025 12:48 pm

Tgt Ion:284 Resp: 767

Ion	Ratio	Lower	Upper
284	100		
286	75.9	48.0	108.0
282	54.5	23.8	83.8

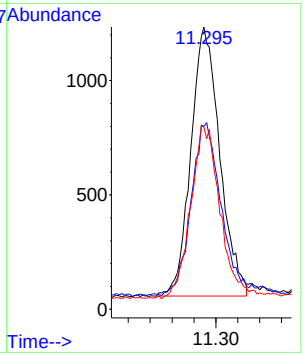


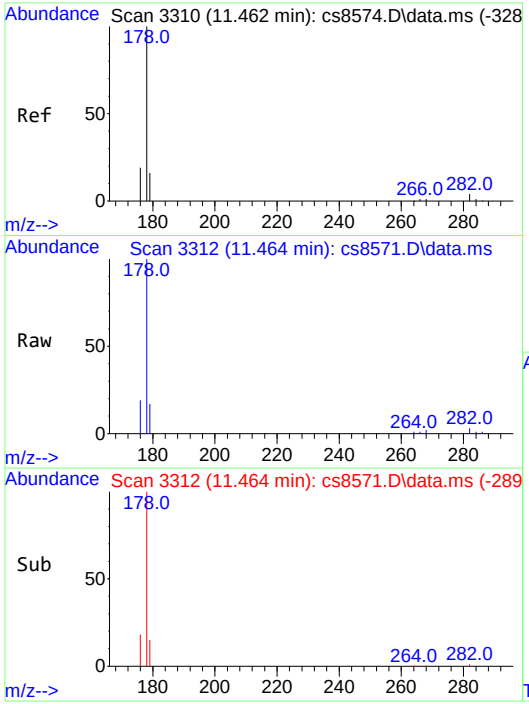


#20
Pentachlorophenol
Concen: 54.32 ppb
RT: 11.295 min Scan# 3172
Delta R.T. 0.001 min
Lab File: cs8571.D
Acq: 17 Sep 2025 12:48 pm

Tgt Ion:266 Resp: 1080

Ion	Ratio	Lower	Upper
266	100		
268	65.9	43.1	83.1
264	36.9	43.0	83.0#

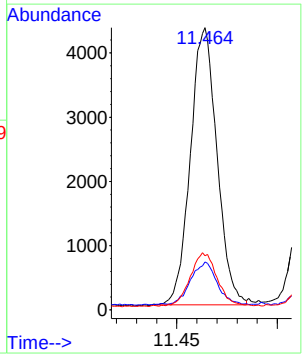


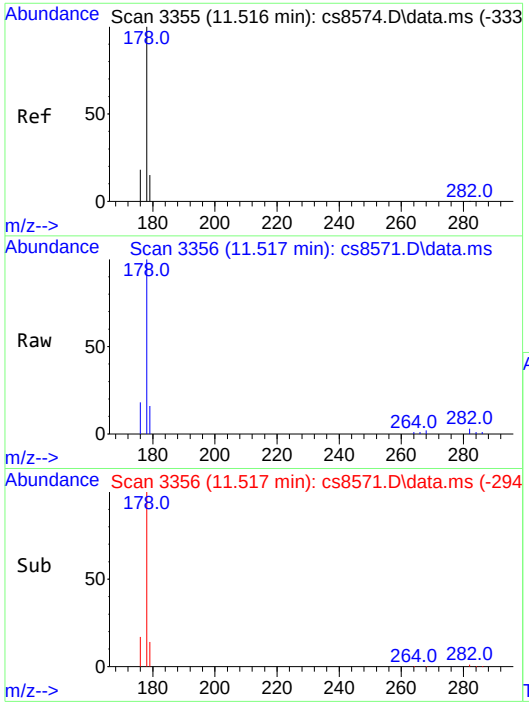


#21
Phenanthrene
Concen: 19.04 ppb
RT: 11.464 min Scan# 3312
Delta R.T. 0.002 min
Lab File: cs8571.D
Acq: 17 Sep 2025 12:48 pm

Tgt Ion:178 Resp: 3966

Ion	Ratio	Lower	Upper
178	100		
179	15.3	0.0	45.7
176	17.9	0.0	49.2

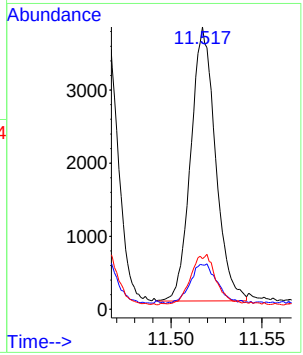


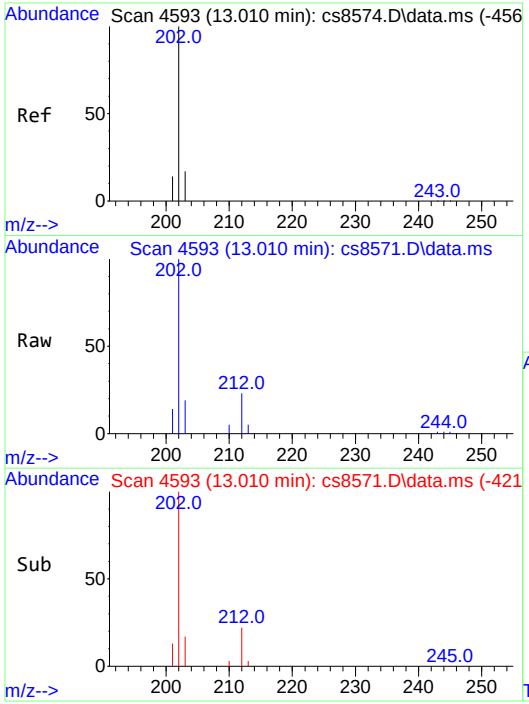


#22
Anthracene
Concen: 17.93 ppb
RT: 11.517 min Scan# 3356
Delta R.T. 0.001 min
Lab File: cs8571.D
Acq: 17 Sep 2025 12:48 pm

Tgt Ion:178 Resp: 3540

Ion	Ratio	Lower	Upper
178	100		
179	13.4	0.0	45.2
176	16.6	0.0	48.4

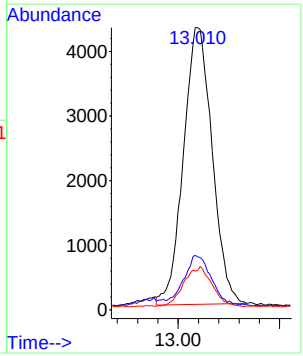


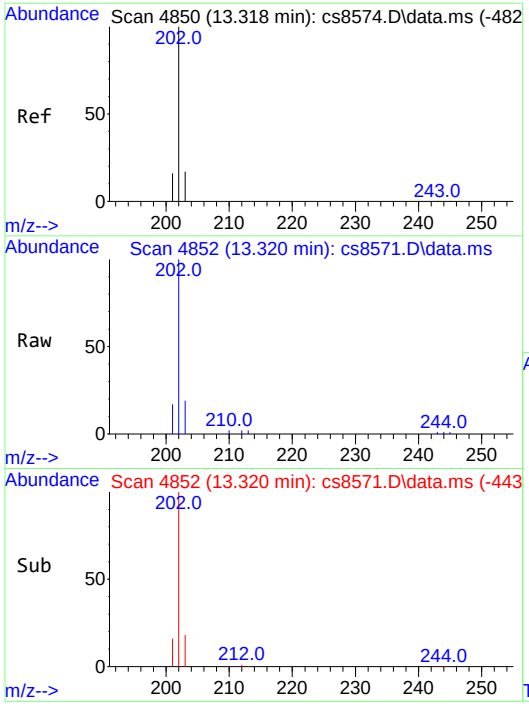


#23
Fluoranthene
Concen: 19.31 ppb
RT: 13.010 min Scan# 4593
Delta R.T. -0.000 min
Lab File: cs8571.D
Acq: 17 Sep 2025 12:48 pm

Tgt Ion:202 Resp: 4211

Ion	Ratio	Lower	Upper
202	100		
203	16.8	0.0	47.2
201	13.1	0.0	44.0

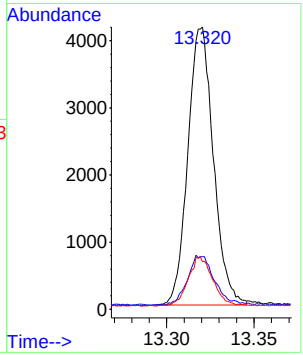


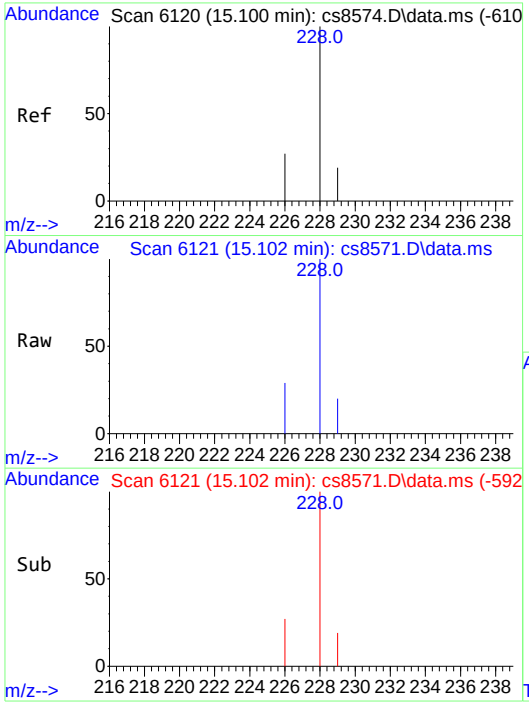


#24
Pyrene
Concen: 18.97 ppb
RT: 13.320 min Scan# 4852
Delta R.T. 0.002 min
Lab File: cs8571.D
Acq: 17 Sep 2025 12:48 pm

Tgt Ion:202 Resp: 4204

Ion	Ratio	Lower	Upper
202	100		
203	17.1	0.0	47.1
201	15.8	0.0	46.4

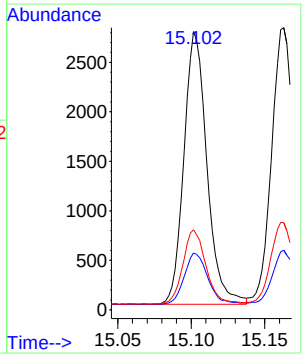


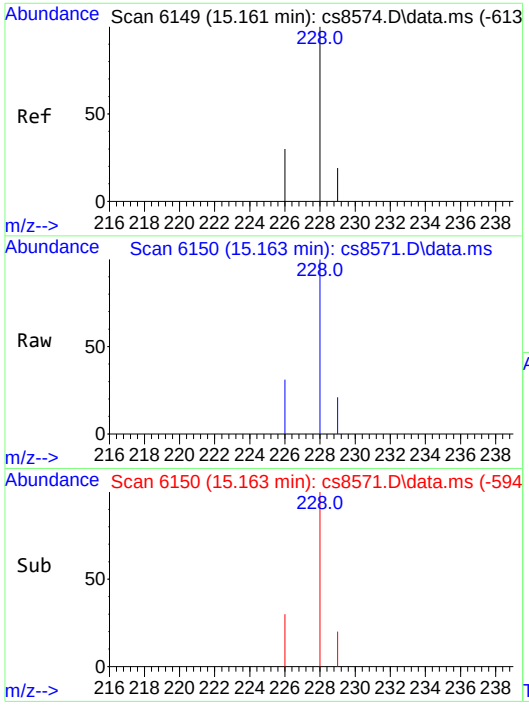


#26
Benzo[a]anthracene
Concen: 18.52 ppb
RT: 15.102 min Scan# 6121
Delta R.T. 0.002 min
Lab File: cs8571.D
Acq: 17 Sep 2025 12:48 pm

Tgt Ion:228 Resp: 2992

Ion	Ratio	Lower	Upper
228	100		
229	18.8	0.0	49.1
226	27.3	0.0	57.0

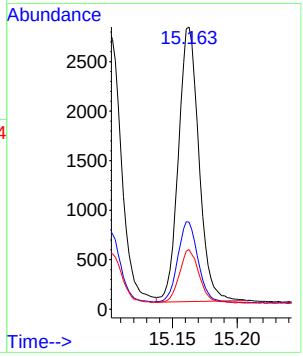


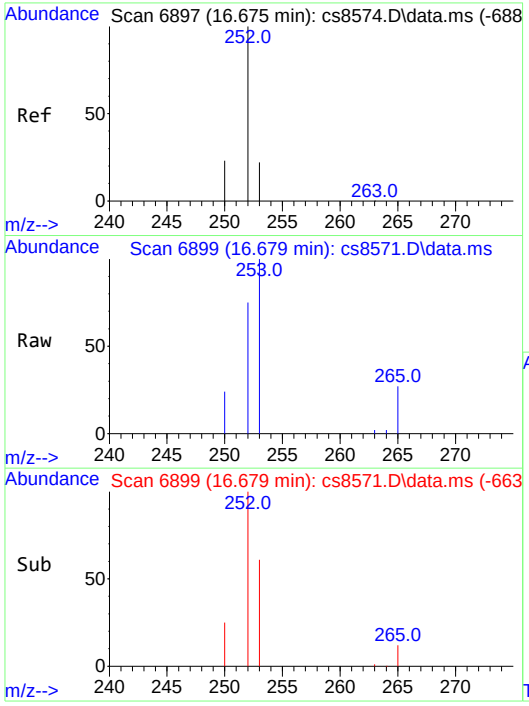


#27
Chrysene
Concen: 18.76 ppb
RT: 15.163 min Scan# 6150
Delta R.T. 0.002 min
Lab File: cs8571.D
Acq: 17 Sep 2025 12:48 pm

Tgt Ion:228 Resp: 3051

Ion	Ratio	Lower	Upper
228	100		
226	29.3	0.0	59.6
229	19.6	0.0	49.1

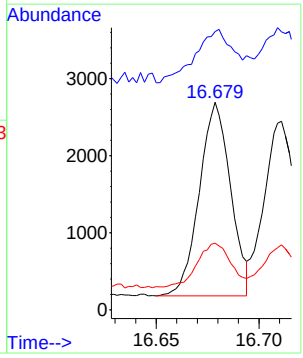


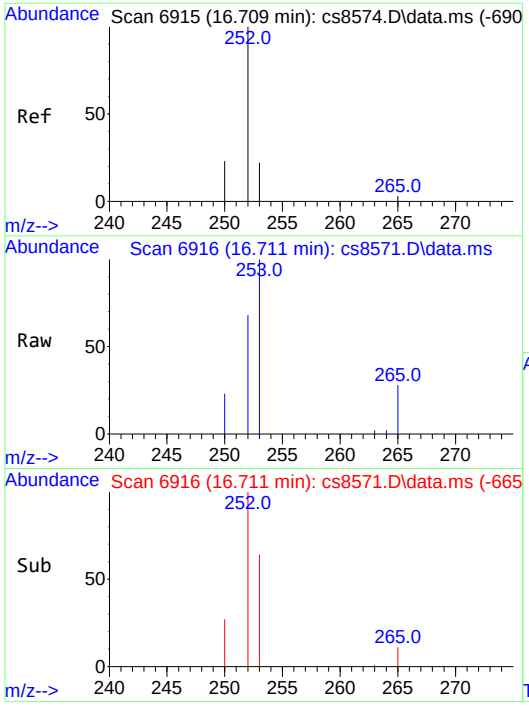


#29
Benzo[b]fluoranthene
Concen: 19.44 ppb
RT: 16.679 min Scan# 6899
Delta R.T. 0.004 min
Lab File: cs8571.D
Acq: 17 Sep 2025 12:48 pm

Tgt Ion:252 Resp: 2650

Ion	Ratio	Lower	Upper
252	100		
253	21.4	0.0	51.5
250	22.3	0.0	53.4

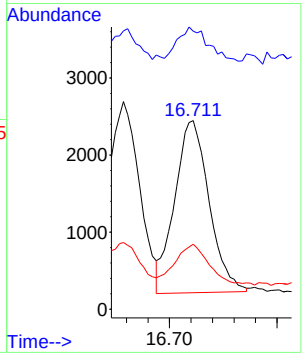


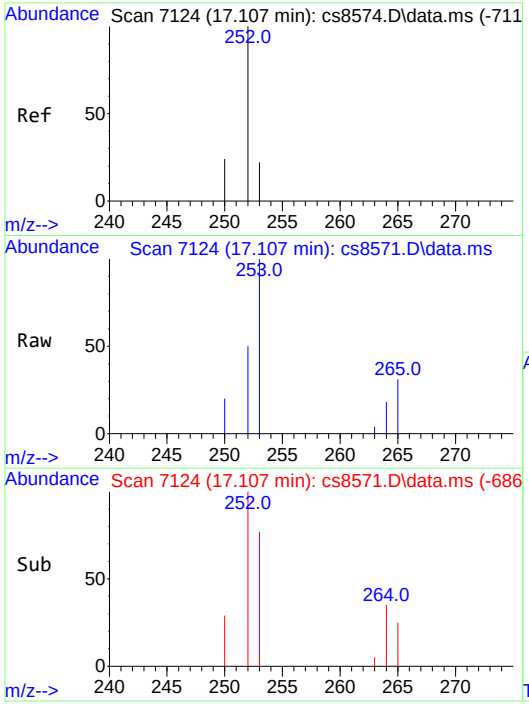


#30
Benzo[k]fluoranthene
Concen: 18.72 ppb
RT: 16.711 min Scan# 6916
Delta R.T. 0.002 min
Lab File: cs8571.D
Acq: 17 Sep 2025 12:48 pm

Tgt Ion:252 Resp: 2478

Ion	Ratio	Lower	Upper
252	100		
253	15.2	0.0	51.3
250	23.5	0.0	53.2

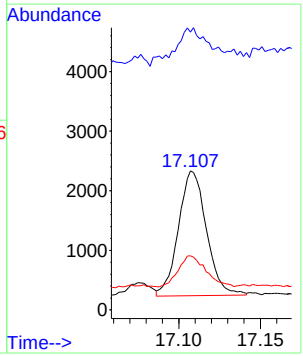


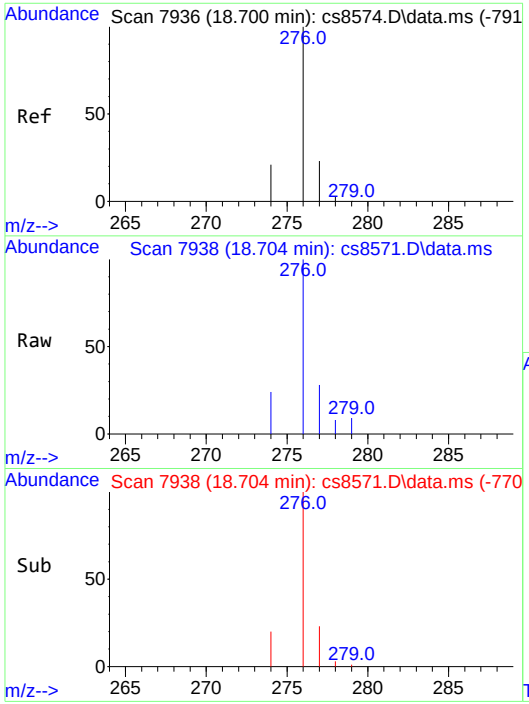


#31
Benzo[a]pyrene
Concen: 19.79 ppb
RT: 17.107 min Scan# 7124
Delta R.T. -0.000 min
Lab File: cs8571.D
Acq: 17 Sep 2025 12:48 pm

Tgt Ion:252 Resp: 2488

Ion	Ratio	Lower	Upper
252	100		
253	18.6	0.0	51.3
250	25.0	0.0	53.7

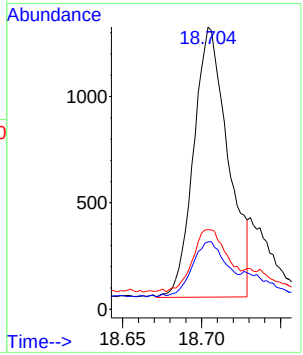


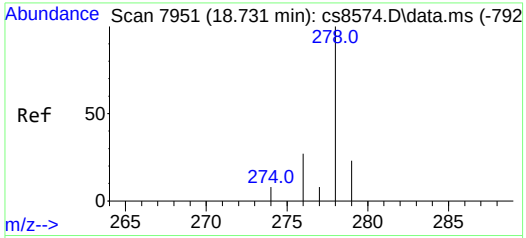


#32
Indeno[1,2,3-cd]pyrene
Concen: 18.77 ppb m
RT: 18.704 min Scan# 7938
Delta R.T. 0.004 min
Lab File: cs8571.D
Acq: 17 Sep 2025 12:48 pm

Tgt Ion:276 Resp: 1927

Ion	Ratio	Lower	Upper
276	100		
274	23.8	0.0	50.4
277	28.2	0.0	52.4

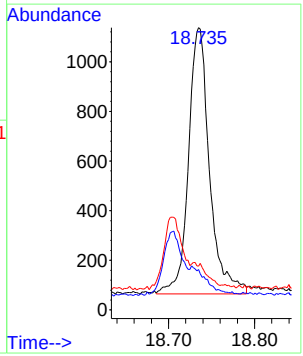


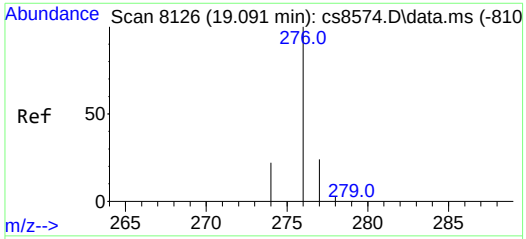


#33
Dibenz[a,h]anthracene
Concen: 18.73 ppb m
RT: 18.735 min Scan# 7953
Delta R.T. 0.004 min
Lab File: cs8571.D
Acq: 17 Sep 2025 12:48 pm

Tgt Ion:278 Resp: 1819

Ion	Ratio	Lower	Upper
278	100		
274	14.3	0.0	38.4
277	15.6	0.0	37.8

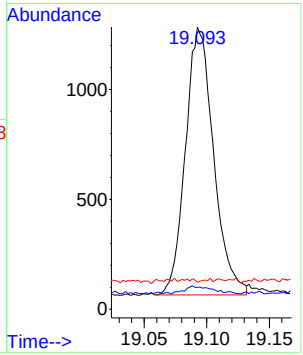




#34
Benzo[g,h,i]perylene
Concen: 19.09 ppb
RT: 19.093 min Scan# 8127
Delta R.T. 0.002 min
Lab File: cs8571.D
Acq: 17 Sep 2025 12:48 pm

Tgt Ion:276 Resp: 1905

Ion	Ratio	Lower	Upper
276	100		
278	1.8	0.0	32.6
279	0.0	0.0	30.2



Manual Integration Approval Summary

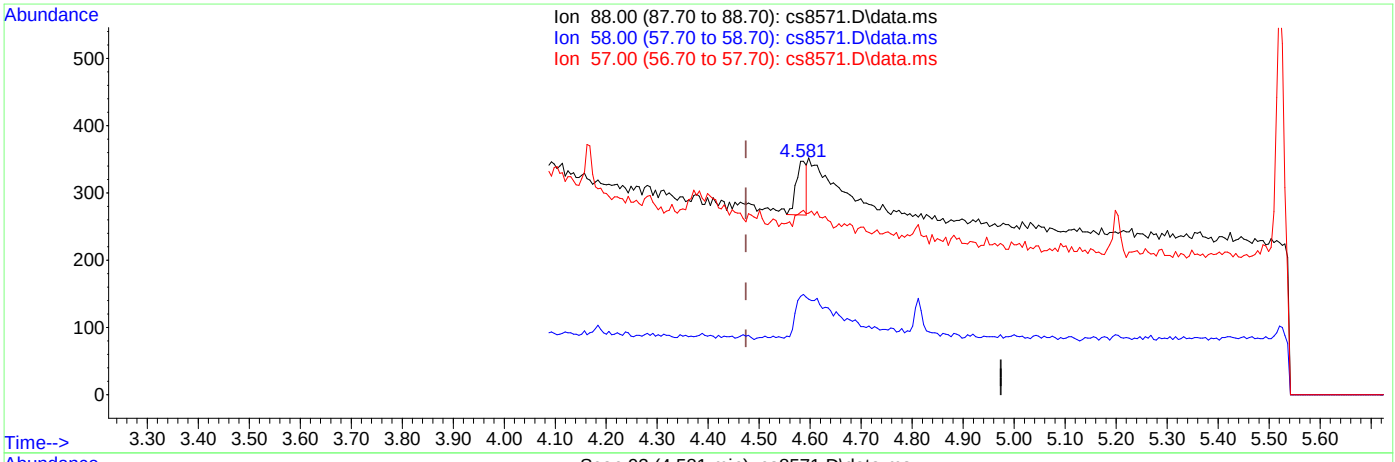
Sample Number: ECS446-IC446
Lab FileID: CS8571.D
Injection Time: 09/17/25 12:48
Method: SW846 8270E BY SIM
Analyst approved: 09/17/25 18:29 Rocquan Salters
Supervisor approved: 09/18/25 10:52 Ying Li

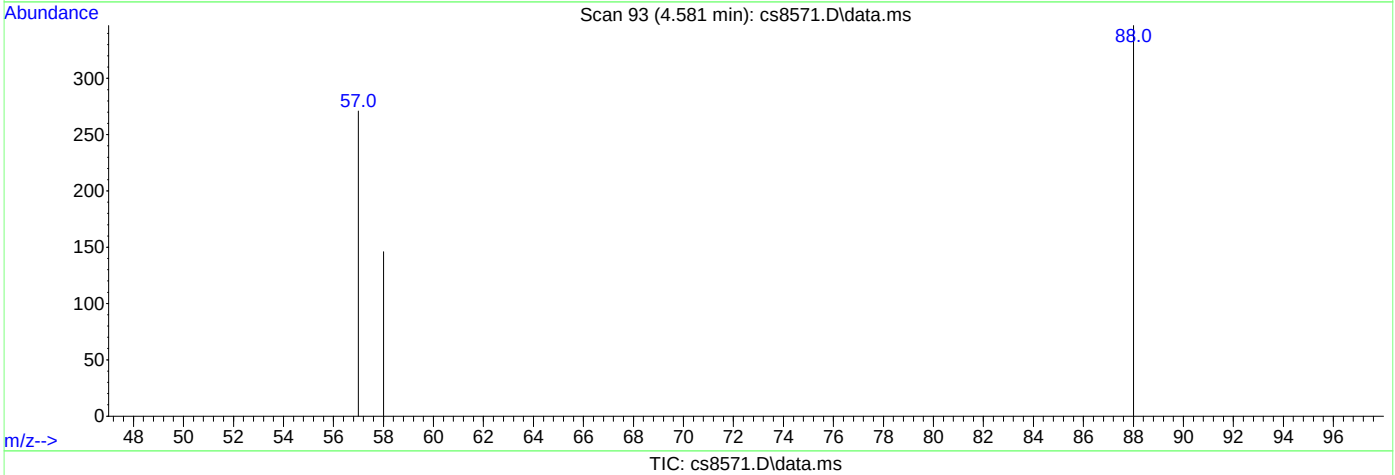
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,4-Dioxane	123-91-1		4.60	Baseline ripple
4,6-Dinitro-o-cresol	534-52-1		10.52	Baseline ripple
Indeno(1,2,3-cd)pyrene	193-39-5		18.70	Baseline ripple
Dibenzo(a,h)anthracene	53-70-3		18.73	Baseline ripple

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8571.D
Acq On : 17 Sep 2025 12:48 pm
Operator : rocquans
Sample : ic446-0.02
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Sep 17 15:45:50 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 15:40:02 2025
Response via : Initial Calibration





TIC: cs8571.D\data.ms

(2) 1,4-Dioxane (t)

4.581min (+0.107) 4.20ppb

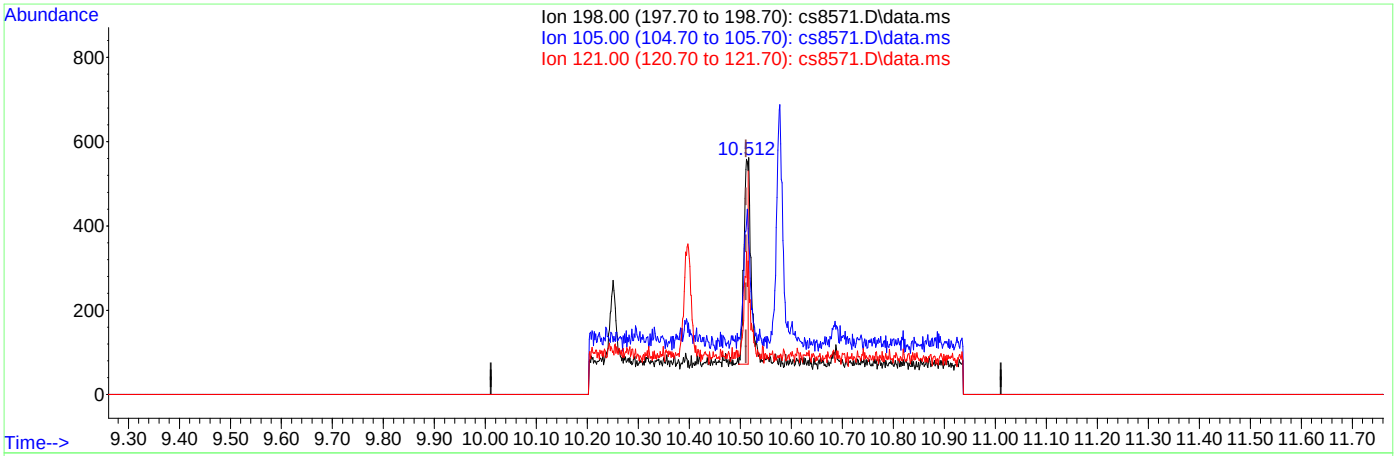
response 112

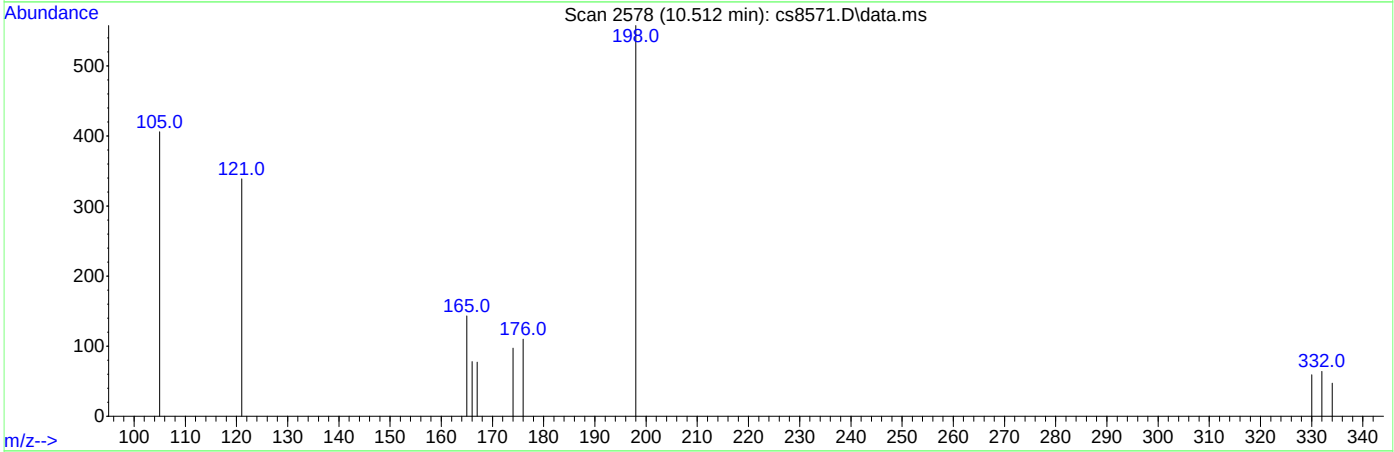
Ion	Exp%	Act%
88.00	100	100
58.00	81.30	70.59
57.00	25.80	21.18
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8571.D
Acq On : 17 Sep 2025 12:48 pm
Operator : rocquans
Sample : ic446-0.02
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Sep 17 15:45:50 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 15:40:02 2025
Response via : Initial Calibration





TIC: cs8571.D\data.ms

(16) 4,6-dinitro-2-methylphenol

10.512min (+0.001) 0.00ppb

response 278

Ion	Exp%	Act%
198.00	100	100
105.00	49.90	55.17
121.00	39.30	52.63
0.00	0.00	0.00

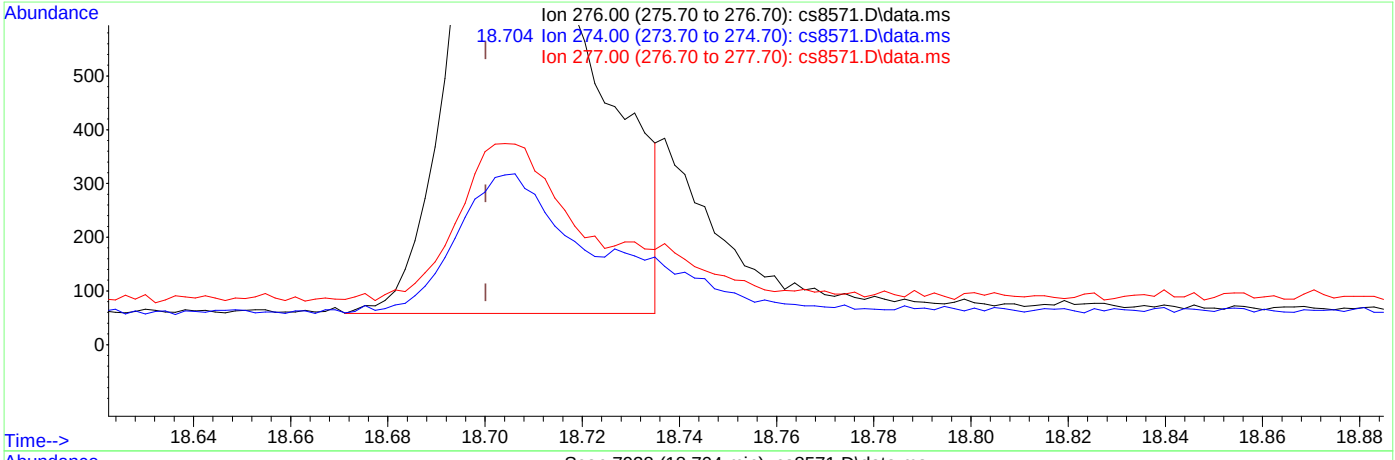
9.6.4.3

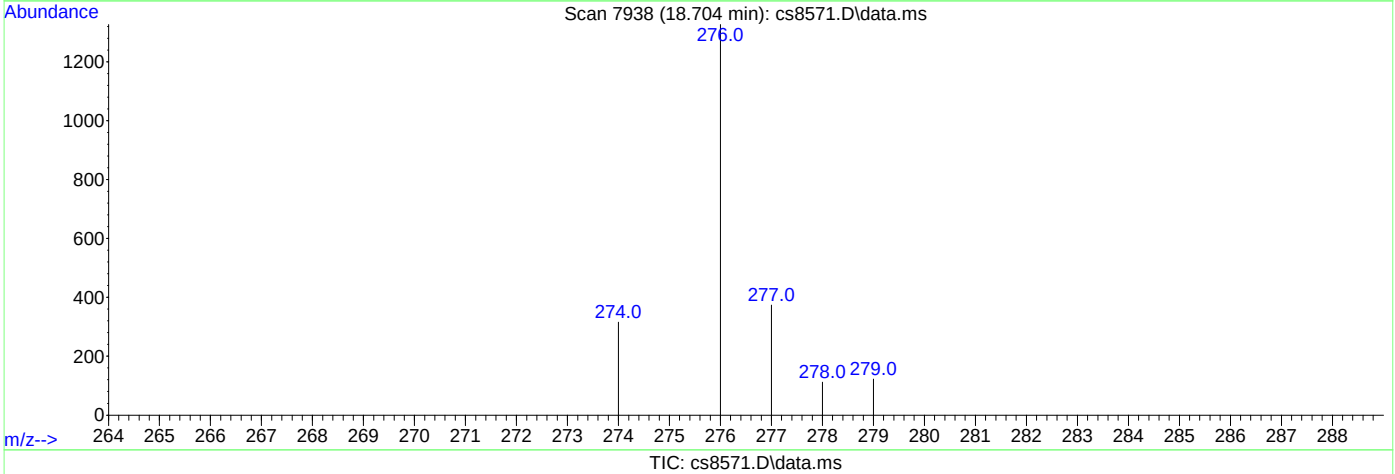
9

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8571.D
Acq On : 17 Sep 2025 12:48 pm
Operator : rocquans
Sample : ic446-0.02
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Sep 17 15:45:50 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 15:40:02 2025
Response via : Initial Calibration





TIC: cs8571.D\data.ms

(32) Indeno[1,2,3-cd]pyrene (t)

18.704min (+0.004) 19.97ppb

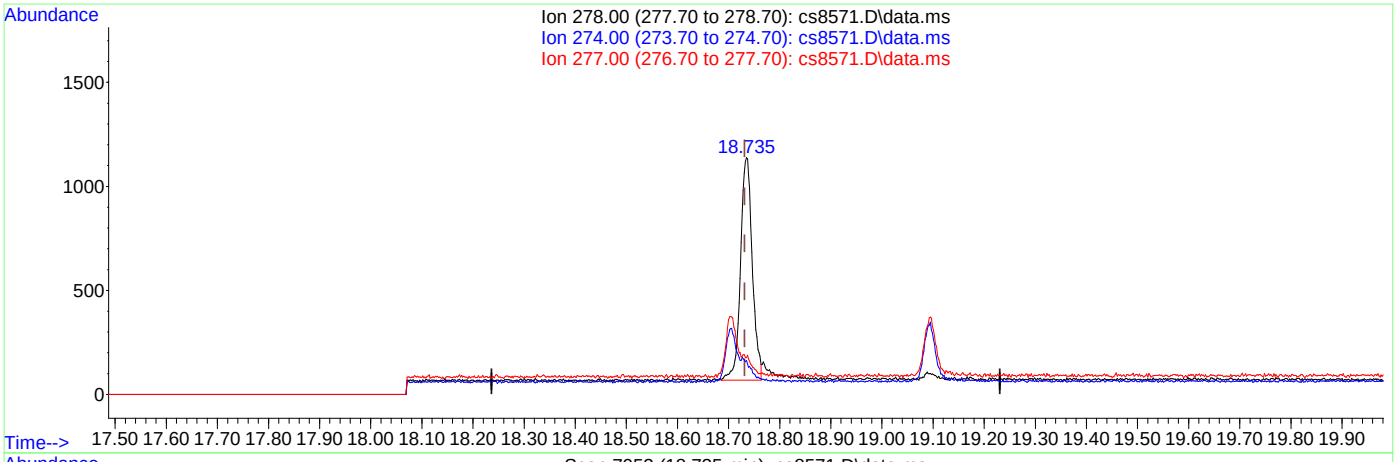
response 2050

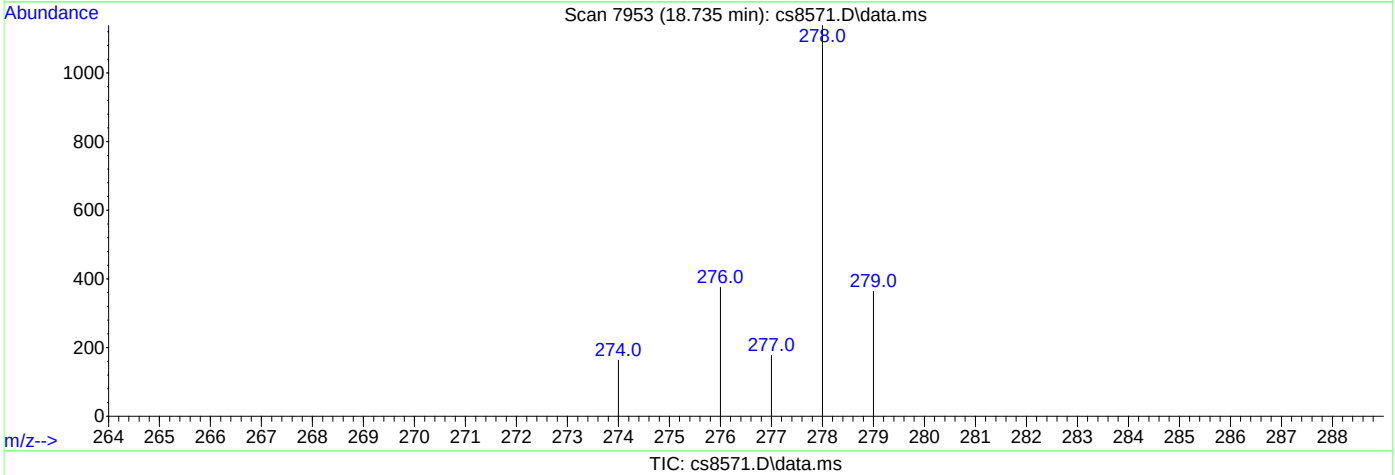
Ion	Exp%	Act%
276.00	100	100
274.00	20.40	18.46
277.00	22.40	21.93
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8571.D
Acq On : 17 Sep 2025 12:48 pm
Operator : rocquans
Sample : ic446-0.02
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Sep 17 15:45:50 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 15:40:02 2025
Response via : Initial Calibration





TIC: cs8571.D\data.ms

(33) Dibenz[a,h]anthracene (t)

18.735min (+0.004) 17.69ppb

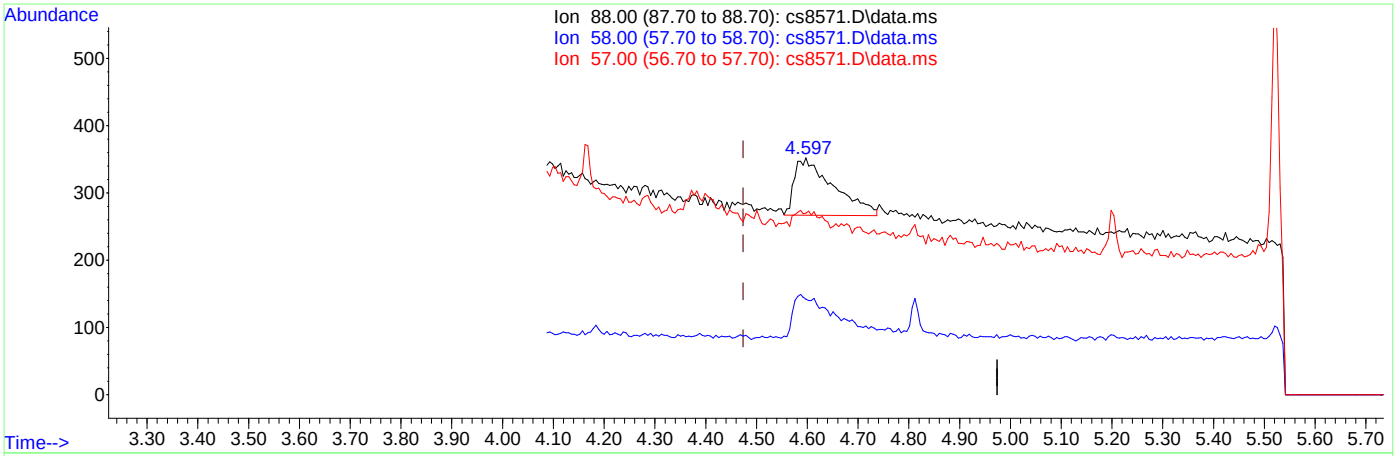
response 1718

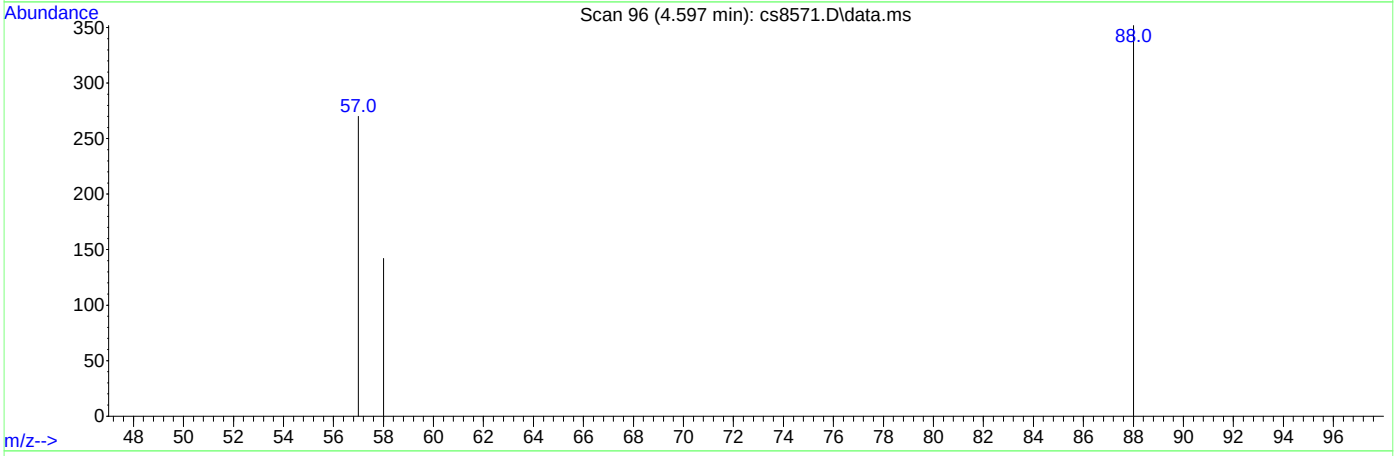
Ion	Exp%	Act%
278.00	100	100
274.00	8.40	7.75
277.00	7.80	6.78
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8571.D
Acq On : 17 Sep 2025 12:48 pm
Operator : rocquans
Sample : ic446-0.02
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Sep 17 16:21:40 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration





TIC: cs8571.D\data.ms

(2) 1,4-Dioxane (t)

4.597min (+0.123) 17.04ppb m

response 454

Ion	Exp%	Act%
88.00	100	100
58.00	81.30	40.34#
57.00	25.80	76.70#
0.00	0.00	0.00

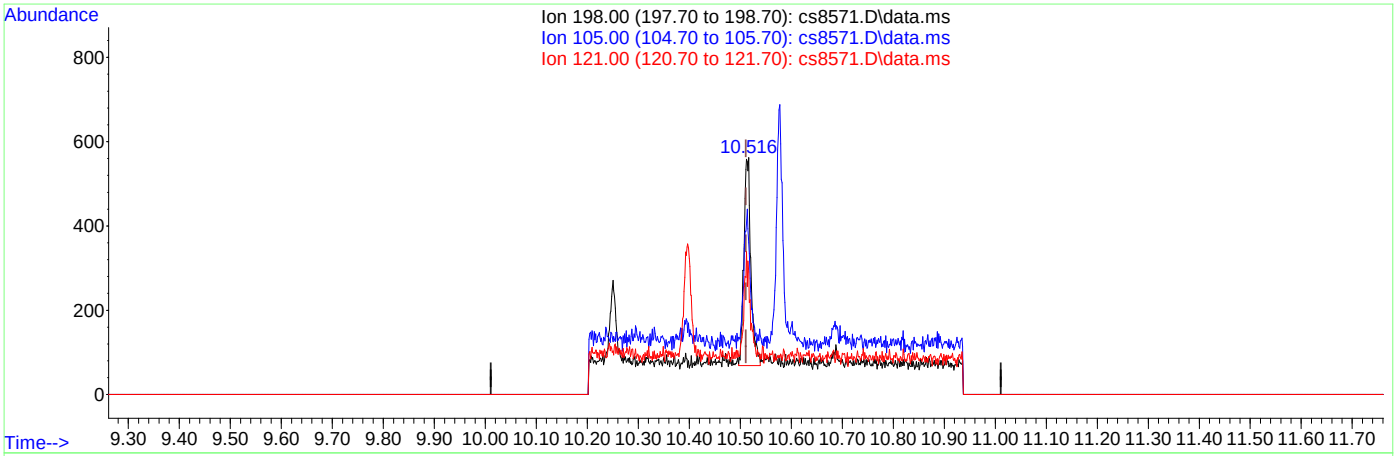
9.6.4.6

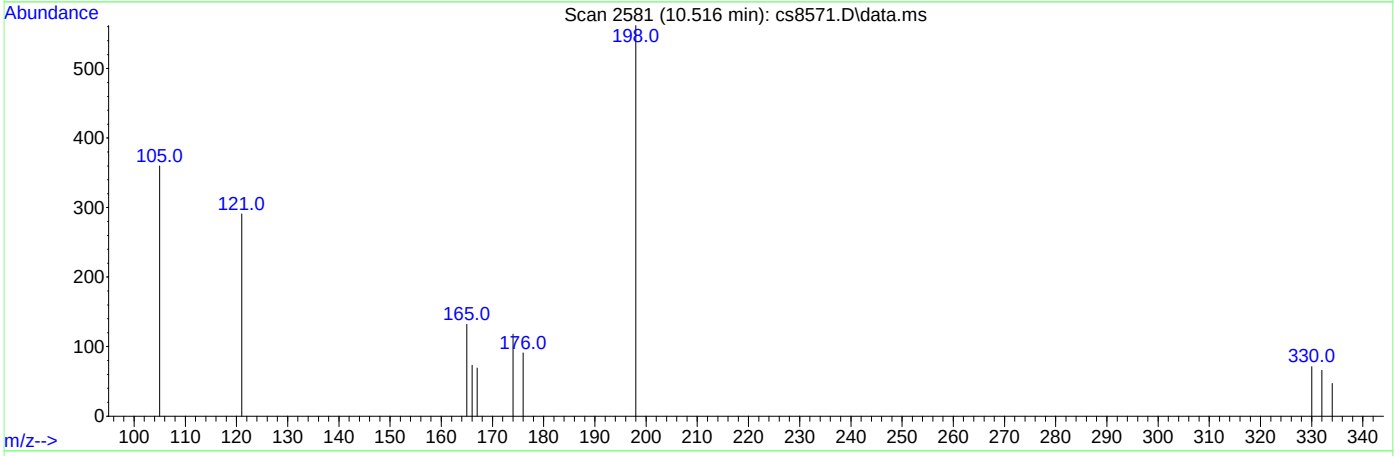
9

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8571.D
Acq On : 17 Sep 2025 12:48 pm
Operator : rocquans
Sample : ic446-0.02
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Sep 17 16:21:40 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration





TIC: cs8571.D\data.ms

(16) 4,6-dinitro-2-methylphenol

10.516min (+0.005) 36.09ppb m

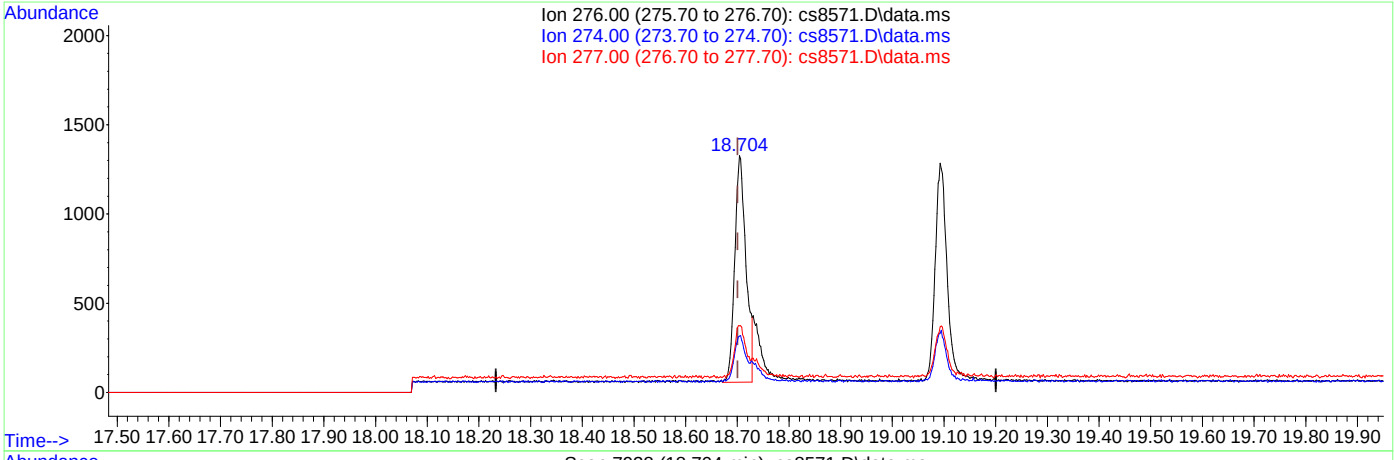
response 472

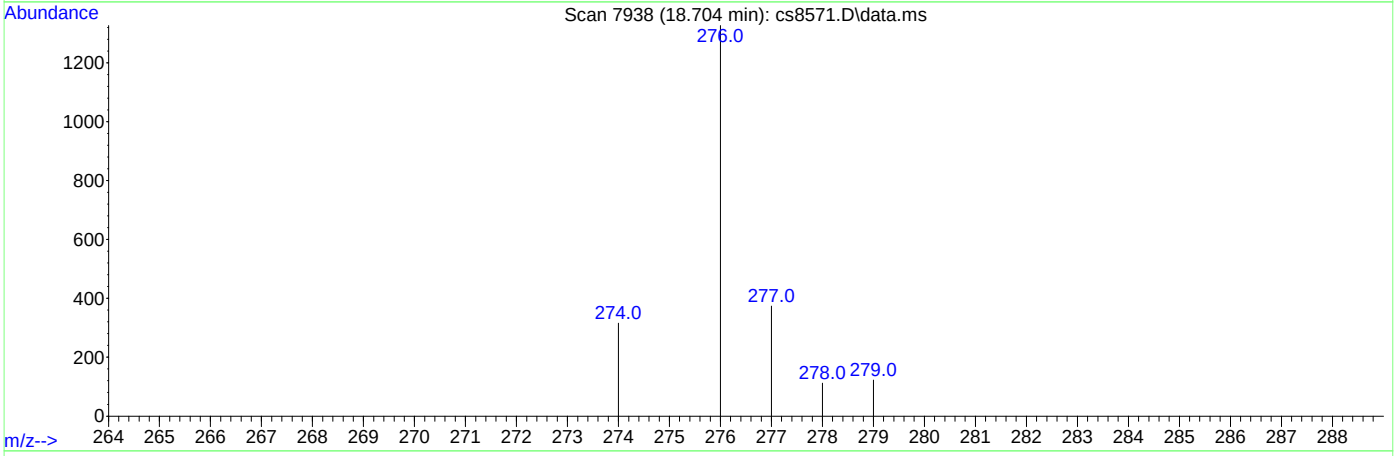
Ion	Exp%	Act%
198.00	100	100
105.00	49.90	64.06
121.00	39.30	51.78
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8571.D
Acq On : 17 Sep 2025 12:48 pm
Operator : rocquans
Sample : ic446-0.02
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Sep 17 16:21:40 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration





TIC: cs8571.D\data.ms

(32) Indeno[1,2,3-cd]pyrene (t)

18.704min (+0.004) 18.77ppb m

response 1927

Ion	Exp%	Act%
276.00	100	100
274.00	20.40	23.81
277.00	22.40	28.18
0.00	0.00	0.00

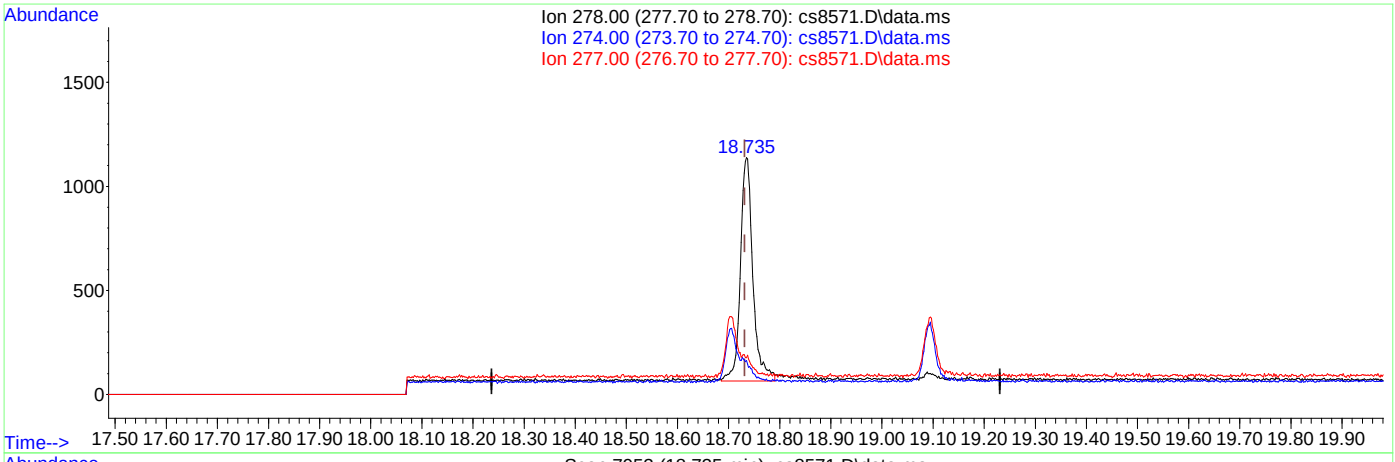
9.6.4.8

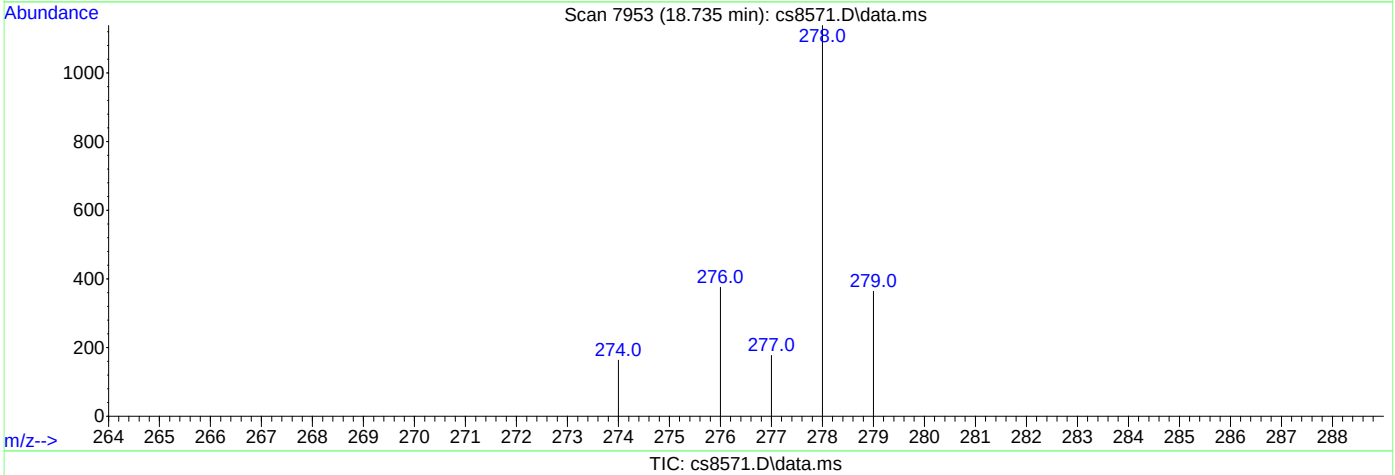
9

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8571.D
Acq On : 17 Sep 2025 12:48 pm
Operator : rocquans
Sample : ic446-0.02
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Sep 17 16:21:40 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration





TIC: cs8571.D\data.ms

(33) Dibenz[a,h]anthracene (t)

18.735min (+0.004) 18.73ppb m

response 1819

Ion	Exp%	Act%
278.00	100	100
274.00	8.40	14.32
277.00	7.80	15.55
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Ying Li
09/18/25 10:52

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8572.D
Acq On : 17 Sep 2025 01:15 pm
Operator : rocquans
Sample : ic446-0.04
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 46 Sample Multiplier: 1

Quant Time: Sep 17 16:33:50 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	9.077	150	57464	800.00	ppb	0.00
11) Fluorene-d10	10.394	176	74334	800.00	ppb	0.00
18) Fluoranthene-d10	12.984	212	113384	800.00	ppb	0.00
28) Benzo(a)pyrene-d12	17.076	264	61693	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	6.263	112	46238	769.82	ppb	0.00
Spiked Amount 10000.000			Recovery =	7.70%		
4) Phenol-d5	7.188	99	54300	781.71	ppb	0.00
Spiked Amount 10000.000			Recovery =	7.82%		
6) Nitrobenzene-d5	7.887	82	45136	800.15	ppb	0.00
Spiked Amount 10000.000			Recovery =	8.00%		
12) 2-Fluorobiphenyl	9.329	172	105061	845.89	ppb	0.00
Spiked Amount 10000.000			Recovery =	8.46%		
17) 2,4,6-Tribromophenol	10.686	330	10014	711.66	ppb	0.00
Spiked Amount 10000.000			Recovery =	7.12%		
25) Terphenyl-d14	13.589	244	69181	803.99	ppb	0.00
Spiked Amount 10000.000			Recovery =	8.04%		
Target Compounds						Qvalue
2) 1,4-Dioxane	4.549	88	834m	31.32	ppb	
5) Phenol	7.198	94	15548	197.76	ppb	97
7) Naphthalene	8.467	128	8137	39.62	ppb	100
8) Hexachlorobutadiene	8.622	225	1198	39.87	ppb	98
9) 2-Methylnaphthalene	9.018	141	4465	39.28	ppb	99
10) 1-Methylnaphthalene	9.104	141	4302	39.31	ppb	99
13) Acenaphthylene	9.778	152	6996	37.03	ppb	99
14) Acenaphthene	9.943	153	5030	38.97	ppb	98
15) Fluorene	10.423	166	5781	39.65	ppb	98
16) 4,6-dinitro-2-methylph...	10.511	198	1192	91.28	ppb	97
19) Hexachlorobenzene	11.095	284	1492	38.65	ppb	98
20) Pentachlorophenol	11.293	266	1576	79.79	ppb	99
21) Phenanthrene	11.462	178	7995	38.63	ppb	98
22) Anthracene	11.517	178	7256	37.00	ppb	98
23) Fluoranthene	13.009	202	8484	39.16	ppb	97
24) Pyrene	13.318	202	8320	37.79	ppb	99
26) Benzo[a]anthracene	15.101	228	5973	37.21	ppb	99
27) Chrysene	15.163	228	6066	37.54	ppb	100
29) Benzo[b]fluoranthene	16.677	252	5319	38.69	ppb	99
30) Benzo[k]fluoranthene	16.709	252	4973	37.26	ppb	98
31) Benzo[a]pyrene	17.107	252	4837	38.15	ppb	100
32) Indeno[1,2,3-cd]pyrene	18.704	276	3785m	36.57	ppb	
33) Dibenz[a,h]anthracene	18.735	278	3257	33.26	ppb	77
34) Benzo[g,h,i]perylene	19.094	276	3827	38.03	ppb	100

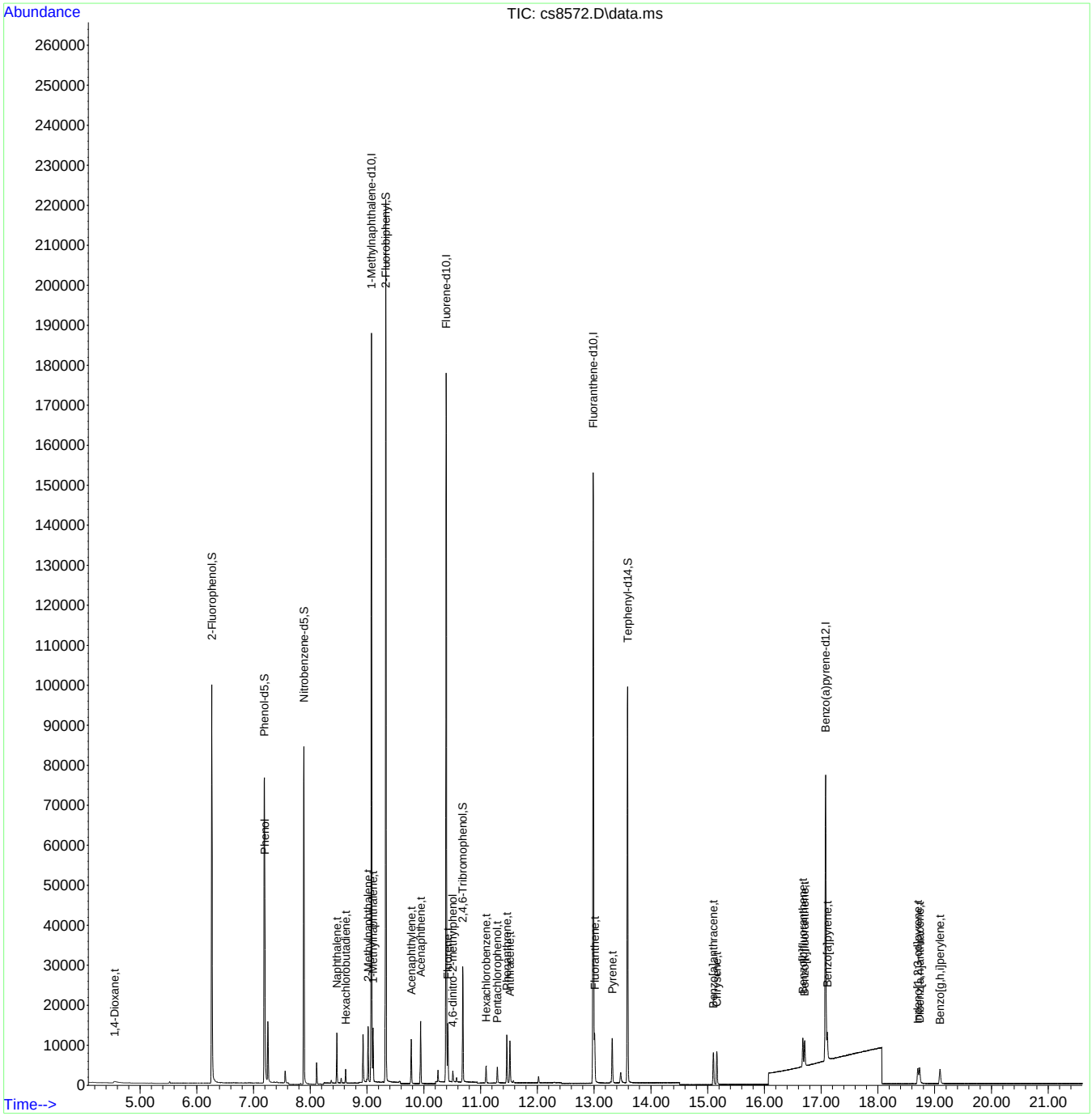
(#) = qualifier out of range (m) = manual integration (+) = signals summed

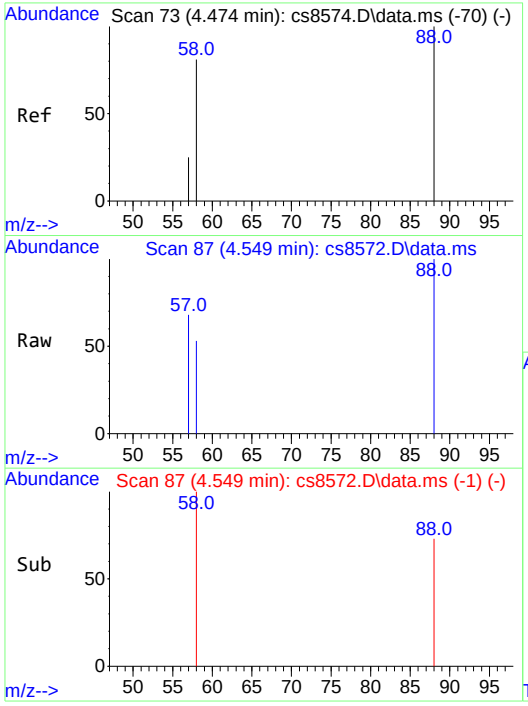
9.6.5

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8572.D
Acq On : 17 Sep 2025 01:15 pm
Operator : rocquans
Sample : ic446-0.04
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 46 Sample Multiplier: 1

Quant Time: Sep 17 16:33:50 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration

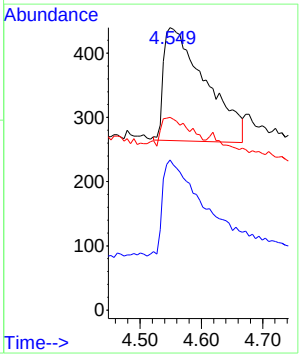


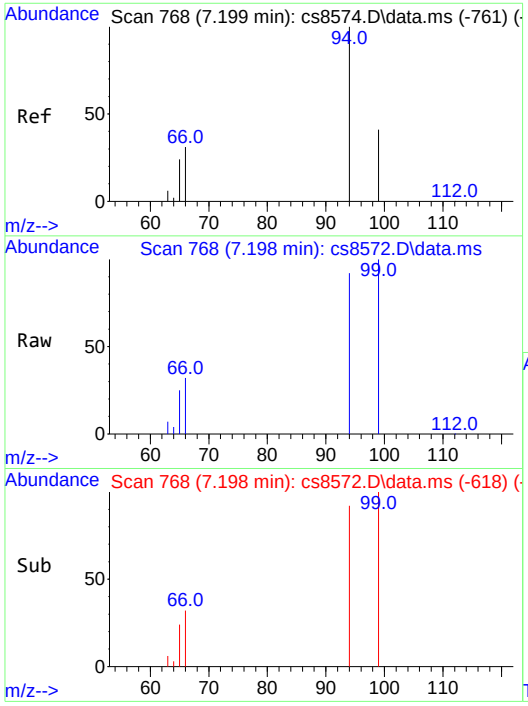


#2
1,4-Dioxane
Concen: 31.32 ppb m
RT: 4.549 min Scan# 87
Delta R.T. 0.075 min
Lab File: cs8572.D
Acq: 17 Sep 2025 01:15 pm

Tgt Ion: 88 Resp: 834

Ion	Ratio	Lower	Upper
88	100		
58	53.2	61.3	101.3#
57	68.2	5.8	45.8#

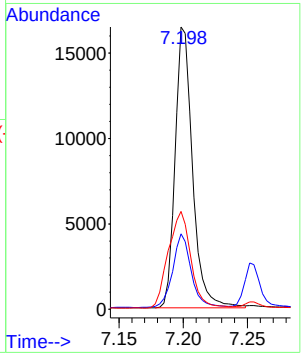


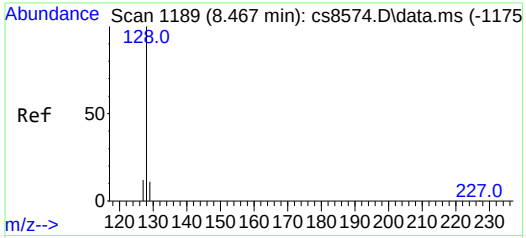


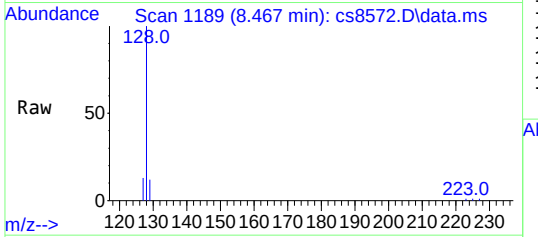
#5
Phenol
Concen: 197.76 ppb
RT: 7.198 min Scan# 768
Delta R.T. -0.000 min
Lab File: cs8572.D
Acq: 17 Sep 2025 01:15 pm

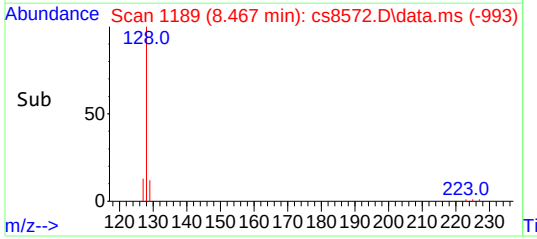
Tgt Ion: 94 Resp: 15548

Ion	Ratio	Lower	Upper
94	100		
65	21.1	17.0	25.4
66	33.1	24.6	37.0





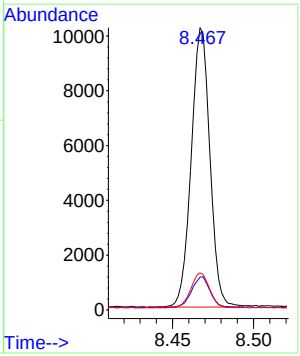


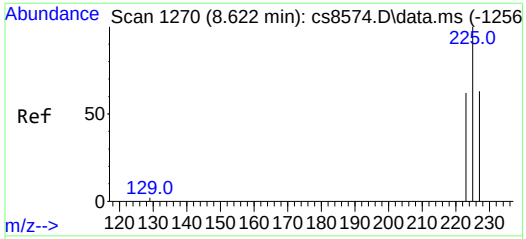


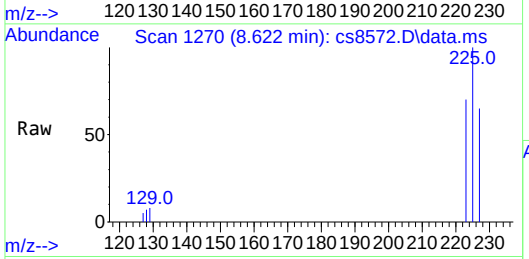
#7
Naphthalene
Concen: 39.62 ppb
RT: 8.467 min Scan# 1189
Delta R.T. -0.000 min
Lab File: cs8572.D
Acq: 17 Sep 2025 01:15 pm

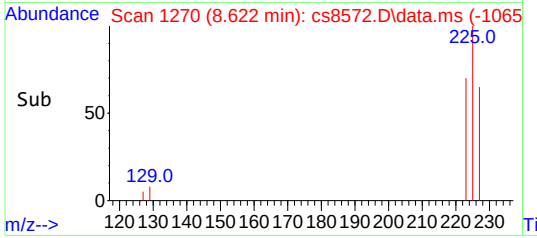
Tgt Ion:128 Resp: 8137

Ion	Ratio	Lower	Upper
128	100		
129	10.9	0.0	40.8
127	12.5	0.0	42.4





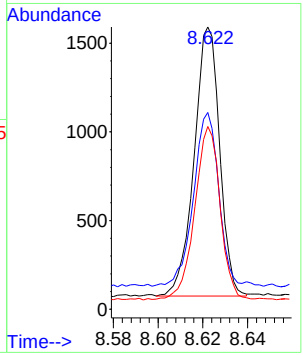


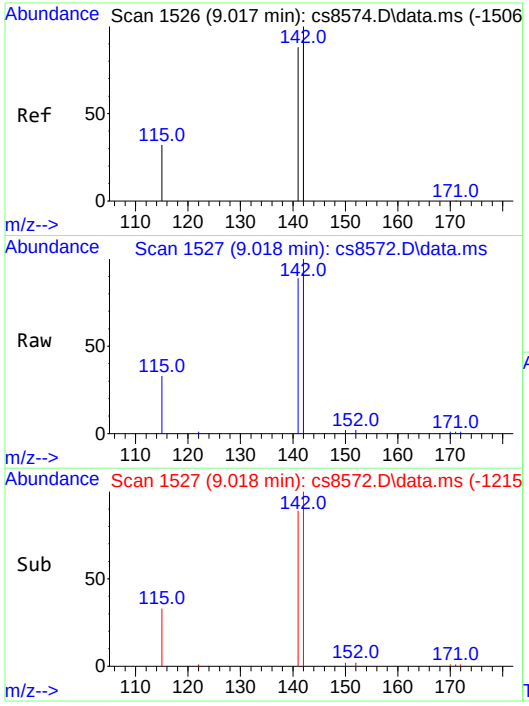


#8
Hexachlorobutadiene
Concen: 39.87 ppb
RT: 8.622 min Scan# 1270
Delta R.T. -0.000 min
Lab File: cs8572.D
Acq: 17 Sep 2025 01:15 pm

Tgt Ion:225 Resp: 1198

Ion	Ratio	Lower	Upper
225	100		
223	63.8	31.8	91.8
227	64.2	32.6	92.6

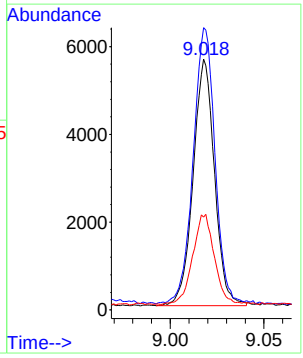


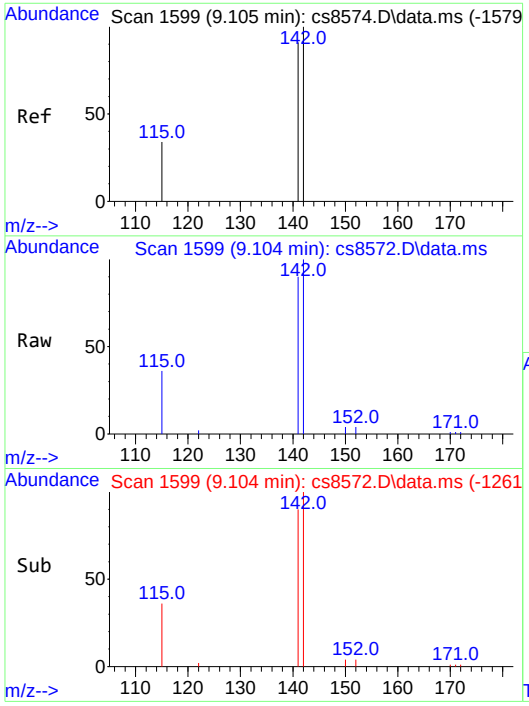


#9
2-Methylnaphthalene
Concen: 39.28 ppb
RT: 9.018 min Scan# 1527
Delta R.T. 0.001 min
Lab File: cs8572.D
Acq: 17 Sep 2025 01:15 pm

Tgt Ion:141 Resp: 4465

Ion	Ratio	Lower	Upper
141	100		
142	112.1	83.1	143.1
115	35.2	5.8	65.8

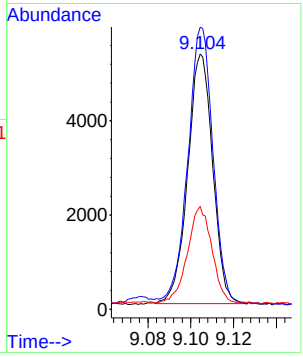


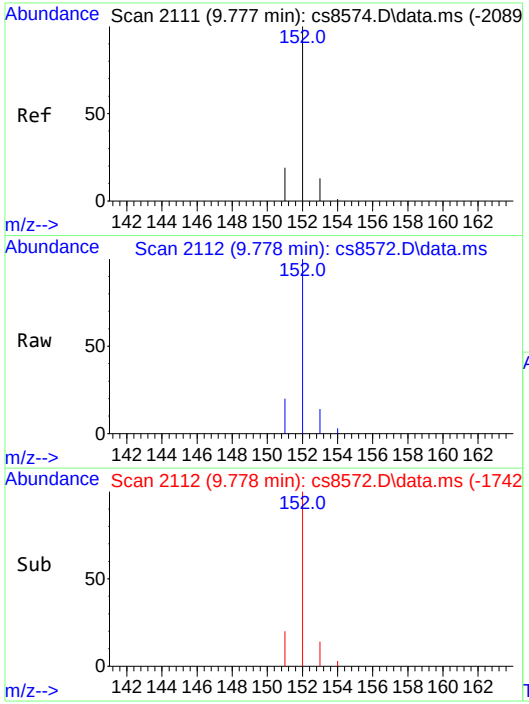


#10
1-Methylnaphthalene
Concen: 39.31 ppb
RT: 9.104 min Scan# 1599
Delta R.T. -0.000 min
Lab File: cs8572.D
Acq: 17 Sep 2025 01:15 pm

Tgt Ion:141 Resp: 4302

Ion	Ratio	Lower	Upper
141	100		
142	109.9	80.8	140.8
115	38.5	7.2	67.2

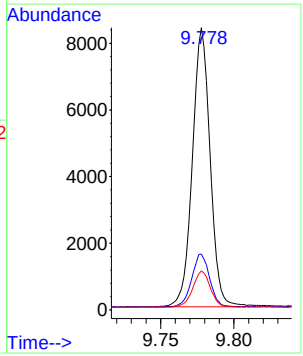


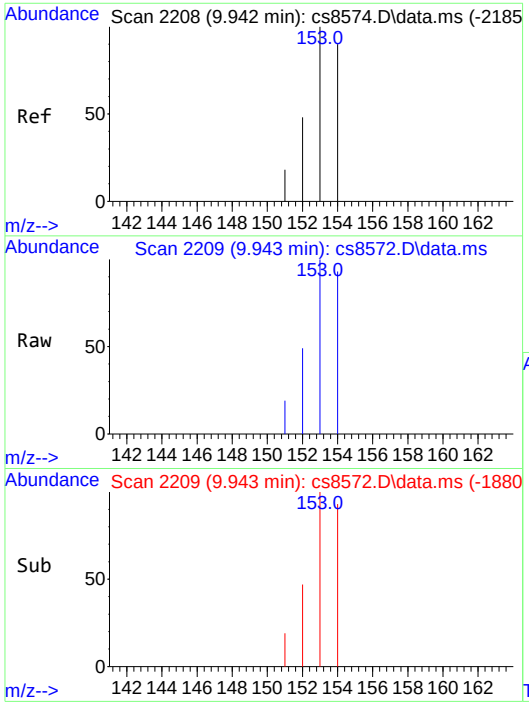


#13
Acenaphthylene
Concen: 37.03 ppb
RT: 9.778 min Scan# 2112
Delta R.T. 0.001 min
Lab File: cs8572.D
Acq: 17 Sep 2025 01:15 pm

Tgt Ion:152 Resp: 6996

Ion	Ratio	Lower	Upper
152	100		
151	18.9	0.0	49.3
153	13.0	0.0	42.7

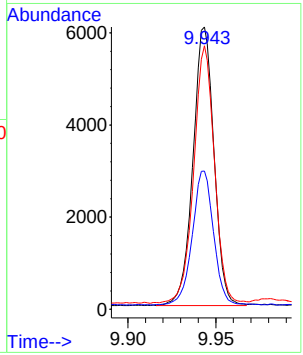


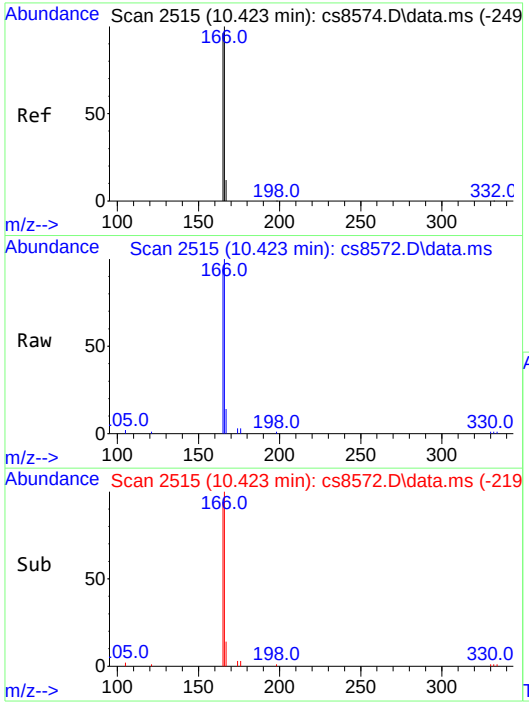


#14
Acenaphthene
Concen: 38.97 ppb
RT: 9.943 min Scan# 2209
Delta R.T. 0.001 min
Lab File: cs8572.D
Acq: 17 Sep 2025 01:15 pm

Tgt Ion:153 Resp: 5030

Ion	Ratio	Lower	Upper
153	100		
152	47.9	17.7	77.7
154	92.1	59.5	119.5

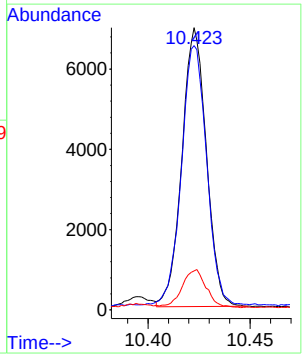


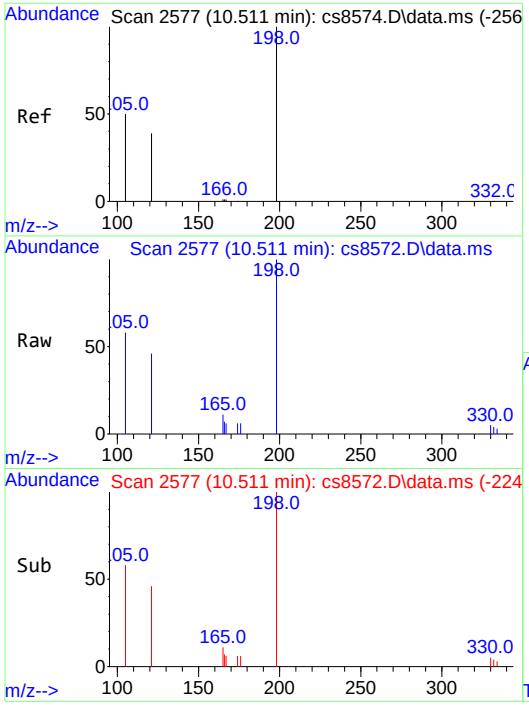


#15
Fluorene
Concen: 39.65 ppb
RT: 10.423 min Scan# 2515
Delta R.T. -0.000 min
Lab File: cs8572.D
Acq: 17 Sep 2025 01:15 pm

Tgt Ion:166 Resp: 5781

Ion	Ratio	Lower	Upper
166	100		
165	93.1	65.7	125.7
167	12.8	0.0	42.4

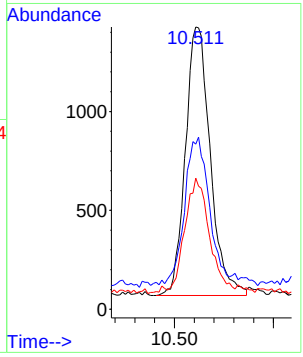


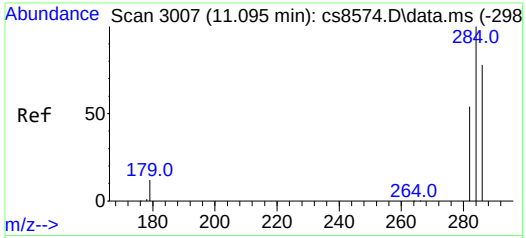


#16
4,6-dinitro-2-methylphenol
Concen: 91.28 ppb
RT: 10.511 min Scan# 2577
Delta R.T. -0.000 min
Lab File: cs8572.D
Acq: 17 Sep 2025 01:15 pm

Tgt Ion:198 Resp: 1192

Ion	Ratio	Lower	Upper
198	100		
105	51.0	29.9	69.9
121	41.9	19.3	59.3

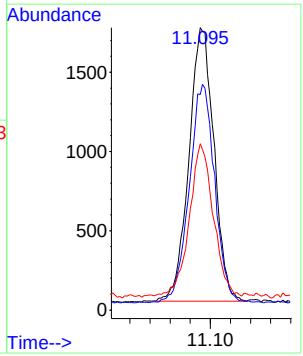


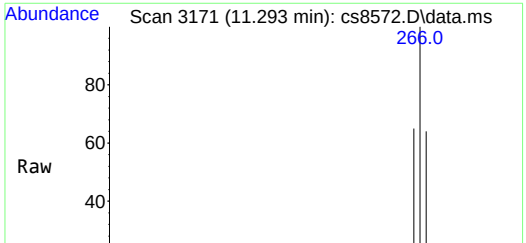


#19
Hexachlorobenzene
Concen: 38.65 ppb
RT: 11.095 min Scan# 3007
Delta R.T. -0.000 min
Lab File: cs8572.D
Acq: 17 Sep 2025 01:15 pm

Tgt Ion:284 Resp: 1492

Ion	Ratio	Lower	Upper
284	100		
286	75.6	48.0	108.0
282	55.1	23.8	83.8

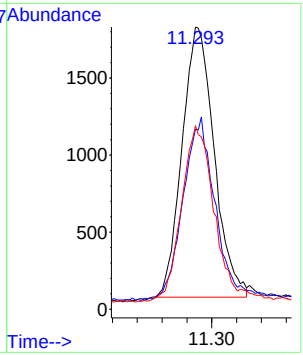


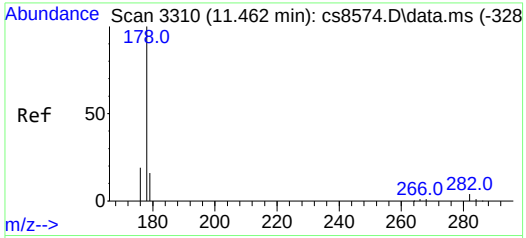


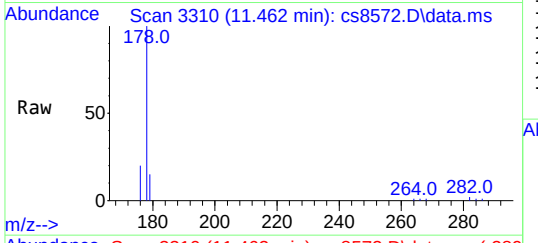
#20
Pentachlorophenol
Concen: 79.79 ppb
RT: 11.293 min Scan# 3171
Delta R.T. -0.000 min
Lab File: cs8572.D
Acq: 17 Sep 2025 01:15 pm

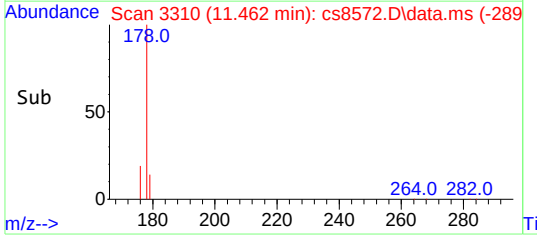
Tgt Ion:266 Resp: 1576

Ion	Ratio	Lower	Upper
266	100		
268	64.3	43.1	83.1
264	64.0	43.0	83.0





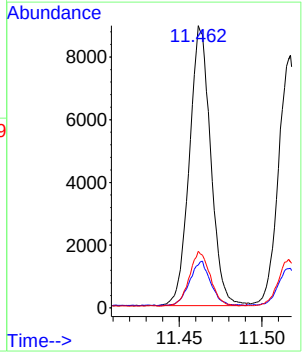


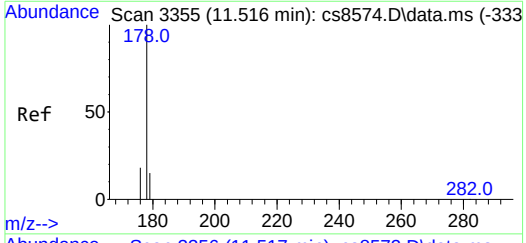


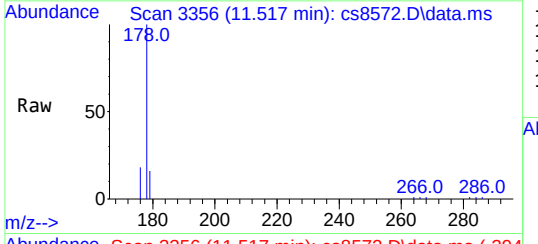
#21
Phenanthrene
Concen: 38.63 ppb
RT: 11.462 min Scan# 3310
Delta R.T. -0.000 min
Lab File: cs8572.D
Acq: 17 Sep 2025 01:15 pm

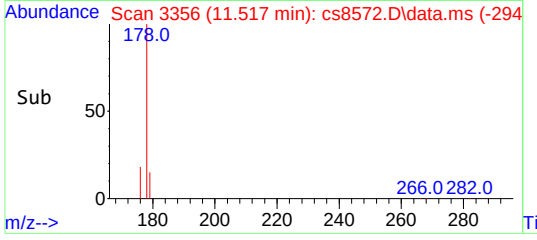
Tgt Ion:178 Resp: 7995

Ion	Ratio	Lower	Upper
178	100		
179	14.4	0.0	45.7
176	19.6	0.0	49.2





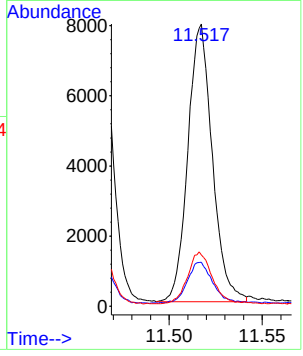


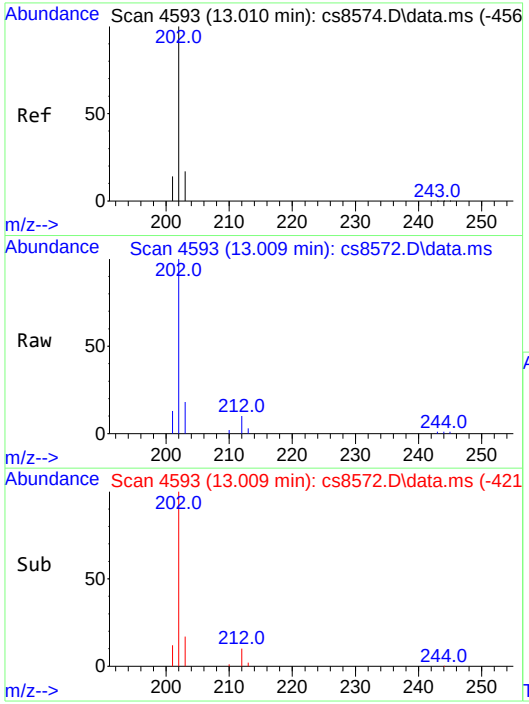


#22
Anthracene
Concen: 37.00 ppb
RT: 11.517 min Scan# 3356
Delta R.T. 0.001 min
Lab File: cs8572.D
Acq: 17 Sep 2025 01:15 pm

Tgt Ion:178 Resp: 7256

Ion	Ratio	Lower	Upper
178	100		
179	14.6	0.0	45.2
176	17.5	0.0	48.4

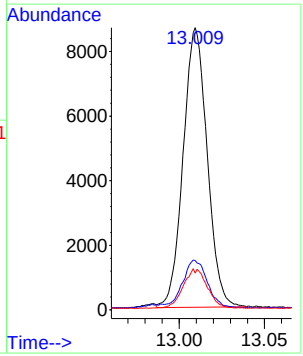


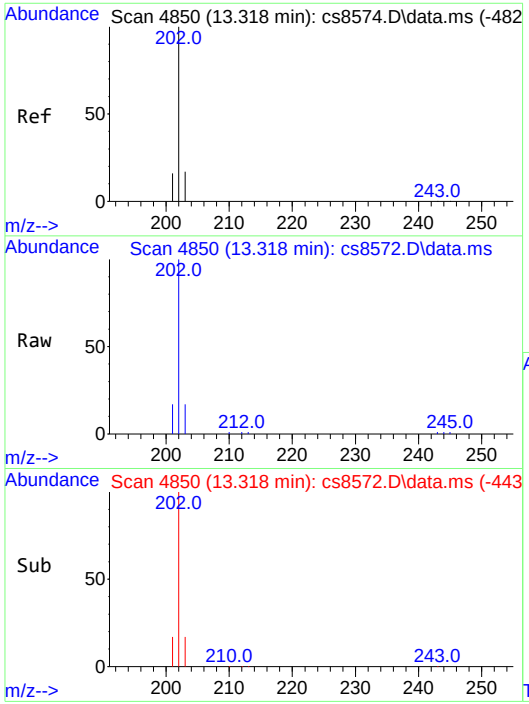


#23
Fluoranthene
Concen: 39.16 ppb
RT: 13.009 min Scan# 4593
Delta R.T. -0.000 min
Lab File: cs8572.D
Acq: 17 Sep 2025 01:15 pm

Tgt Ion:202 Resp: 8484

Ion	Ratio	Lower	Upper
202	100		
203	16.4	0.0	47.2
201	12.5	0.0	44.0

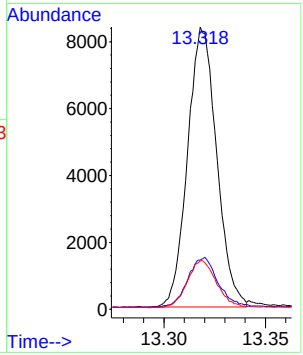


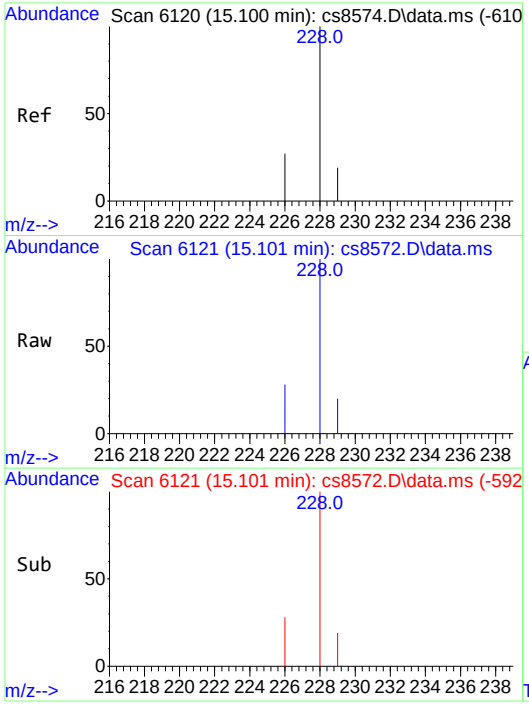


#24
Pyrene
Concen: 37.79 ppb
RT: 13.318 min Scan# 4850
Delta R.T. -0.000 min
Lab File: cs8572.D
Acq: 17 Sep 2025 01:15 pm

Tgt Ion:202 Resp: 8320

Ion	Ratio	Lower	Upper
202	100		
203	16.4	0.0	47.1
201	16.5	0.0	46.4

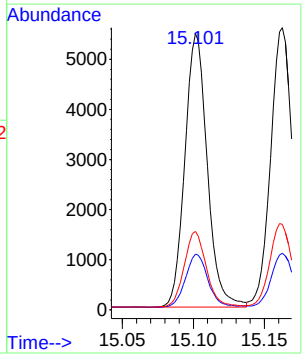


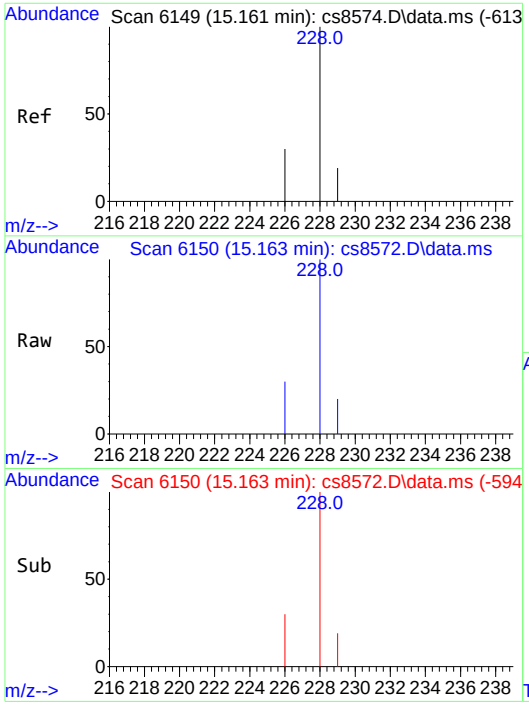


#26
Benzo[a]anthracene
Concen: 37.21 ppb
RT: 15.101 min Scan# 6121
Delta R.T. 0.002 min
Lab File: cs8572.D
Acq: 17 Sep 2025 01:15 pm

Tgt Ion:228 Resp: 5973

Ion	Ratio	Lower	Upper
228	100		
229	19.3	0.0	49.1
226	27.6	0.0	57.0

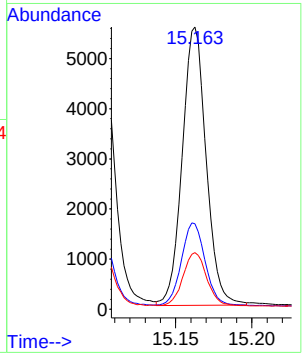


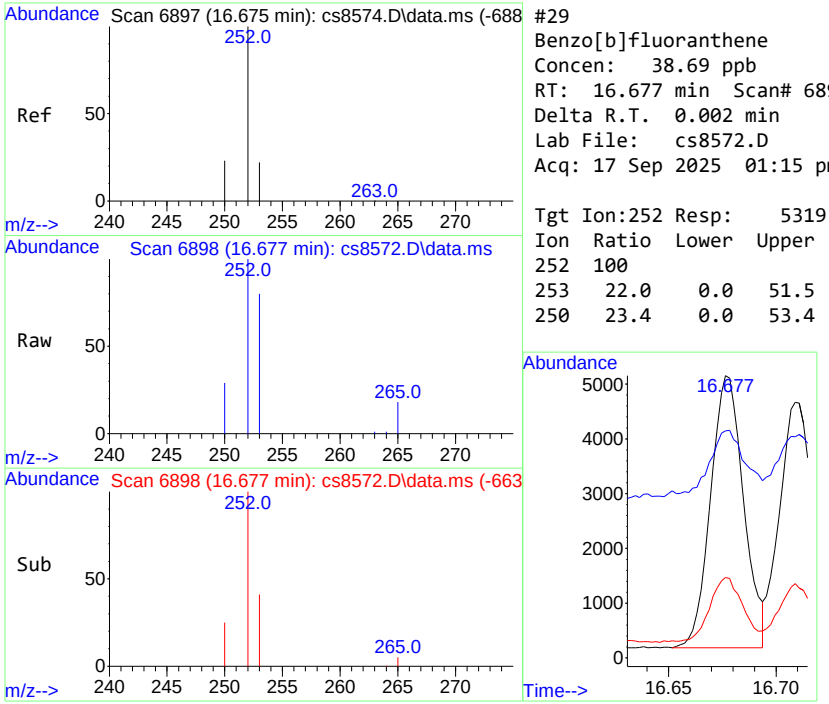


#27
Chrysene
Concen: 37.54 ppb
RT: 15.163 min Scan# 6150
Delta R.T. 0.002 min
Lab File: cs8572.D
Acq: 17 Sep 2025 01:15 pm

Tgt Ion:228 Resp: 6066

Ion	Ratio	Lower	Upper
228	100		
226	29.6	0.0	59.6
229	19.2	0.0	49.1

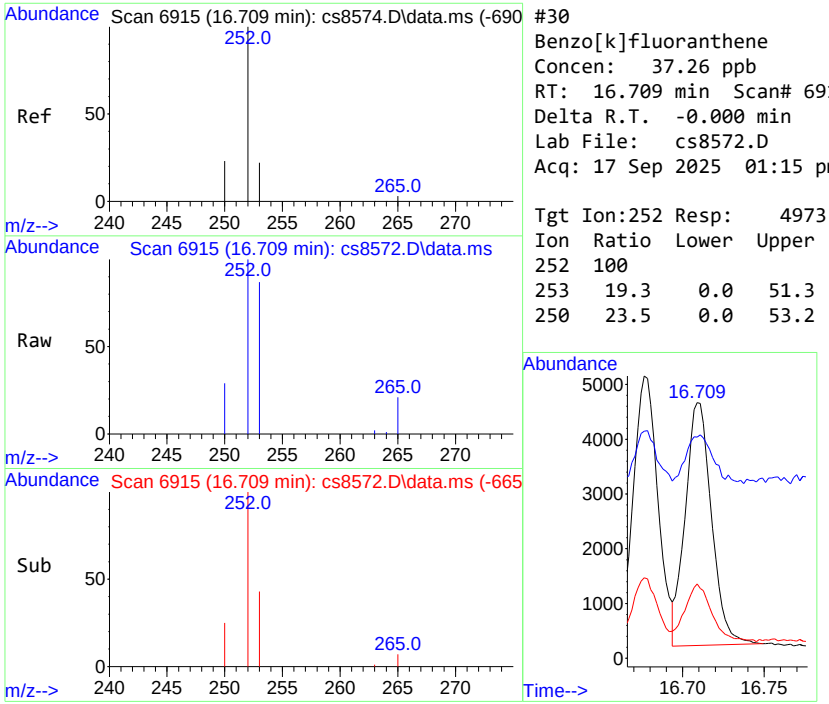




#29
Benzo[b]fluoranthene
Concen: 38.69 ppb
RT: 16.677 min Scan# 6898
Delta R.T. 0.002 min
Lab File: cs8572.D
Acq: 17 Sep 2025 01:15 pm

Tgt Ion:252 Resp: 5319

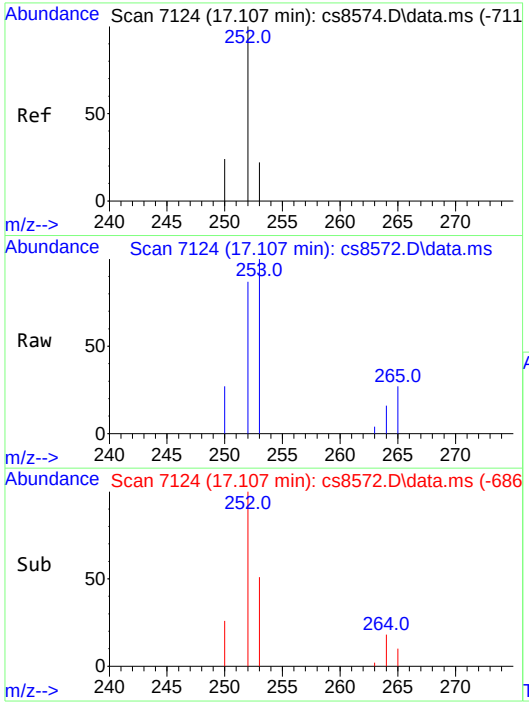
Ion	Ratio	Lower	Upper
252	100		
253	22.0	0.0	51.5
250	23.4	0.0	53.4



#30
Benzo[k]fluoranthene
Concen: 37.26 ppb
RT: 16.709 min Scan# 6915
Delta R.T. -0.000 min
Lab File: cs8572.D
Acq: 17 Sep 2025 01:15 pm

Tgt Ion:252 Resp: 4973

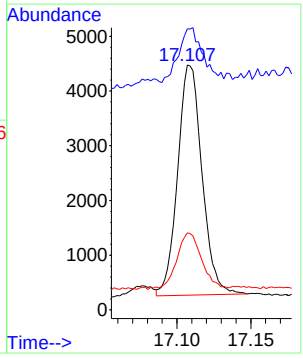
Ion	Ratio	Lower	Upper
252	100		
253	19.3	0.0	51.3
250	23.5	0.0	53.2

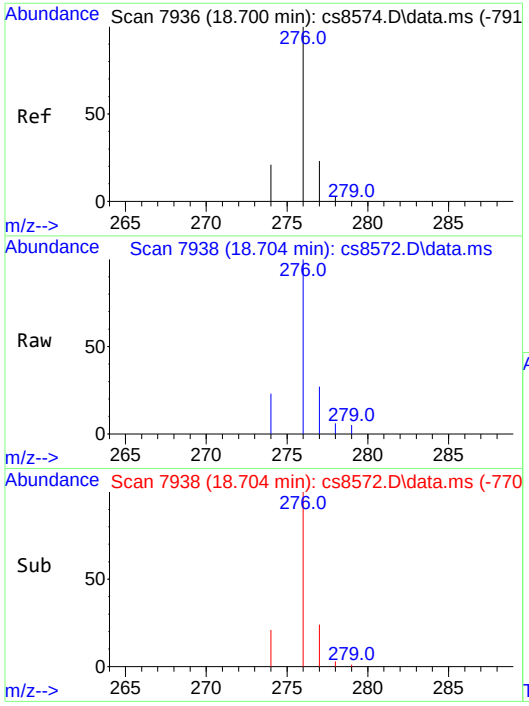


#31
Benzo[a]pyrene
Concen: 38.15 ppb
RT: 17.107 min Scan# 7124
Delta R.T. -0.000 min
Lab File: cs8572.D
Acq: 17 Sep 2025 01:15 pm

Tgt Ion:252 Resp: 4837

Ion	Ratio	Lower	Upper
252	100		
253	21.3	0.0	51.3
250	24.0	0.0	53.7

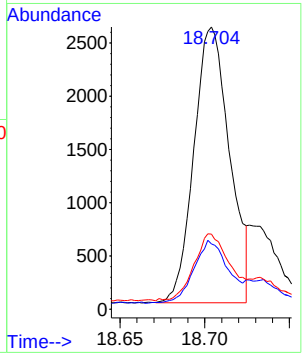


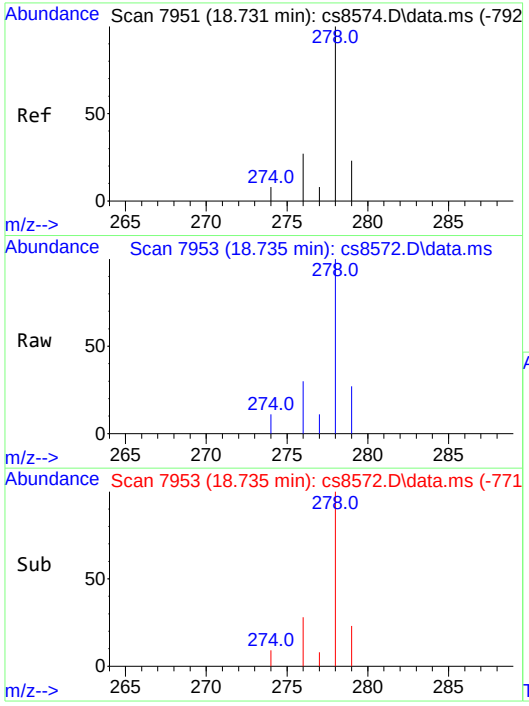


#32
Indeno[1,2,3-cd]pyrene
Concen: 36.57 ppb m
RT: 18.704 min Scan# 7938
Delta R.T. 0.004 min
Lab File: cs8572.D
Acq: 17 Sep 2025 01:15 pm

Tgt Ion:276 Resp: 3785

Ion	Ratio	Lower	Upper
276	100		
274	23.1	0.0	50.4
277	26.6	0.0	52.4

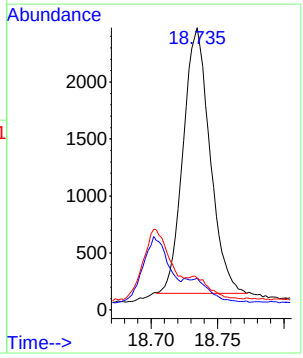


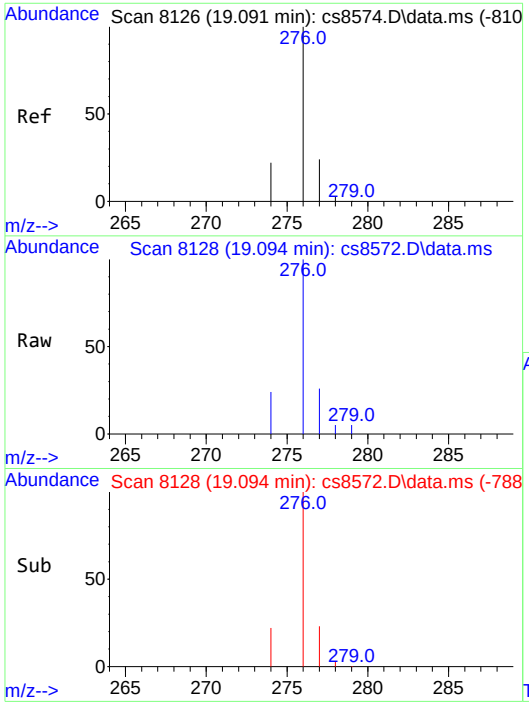


#33
Dibenz[a,h]anthracene
Concen: 33.26 ppb
RT: 18.735 min Scan# 7953
Delta R.T. 0.004 min
Lab File: cs8572.D
Acq: 17 Sep 2025 01:15 pm

Tgt Ion:278 Resp: 3257

Ion	Ratio	Lower	Upper
278	100		
274	0.0	0.0	38.4
277	0.0	0.0	37.8

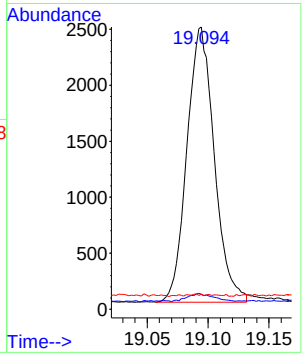




#34
Benzo[g,h,i]perylene
Concen: 38.03 ppb
RT: 19.094 min Scan# 8128
Delta R.T. 0.004 min
Lab File: cs8572.D
Acq: 17 Sep 2025 01:15 pm

Tgt Ion:276 Resp: 3827

Ion	Ratio	Lower	Upper
276	100		
278	2.5	0.0	32.6
279	0.3	0.0	30.2



Manual Integration Approval Summary

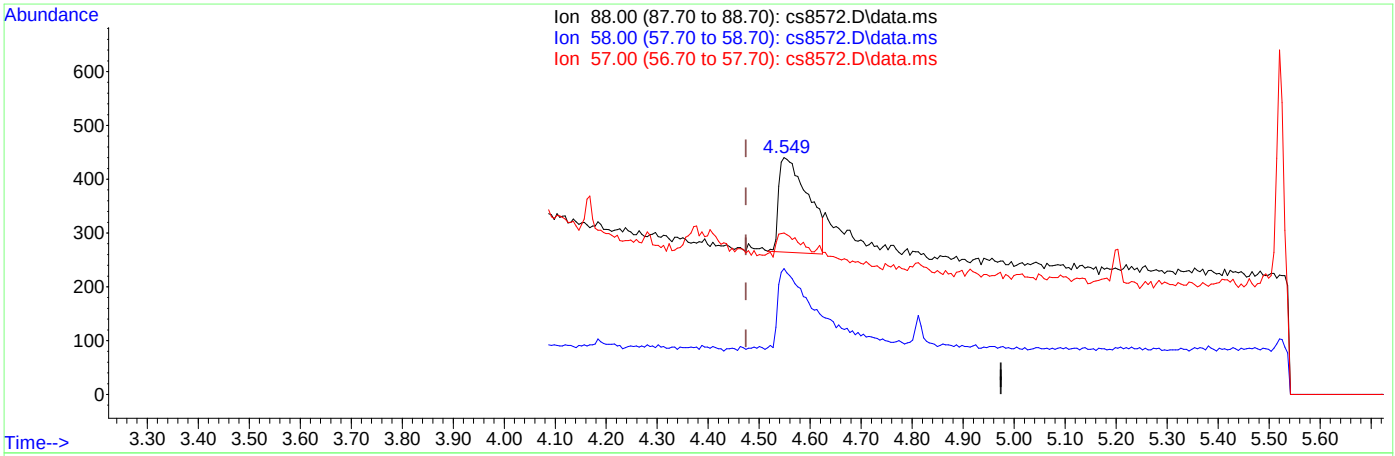
Sample Number: ECS446-IC446
Lab FileID: CS8572.D
Injection Time: 09/17/25 13:15
Method: SW846 8270E BY SIM
Analyst approved: 09/17/25 18:29 Rocquan Salters
Supervisor approved: 09/18/25 10:52 Ying Li

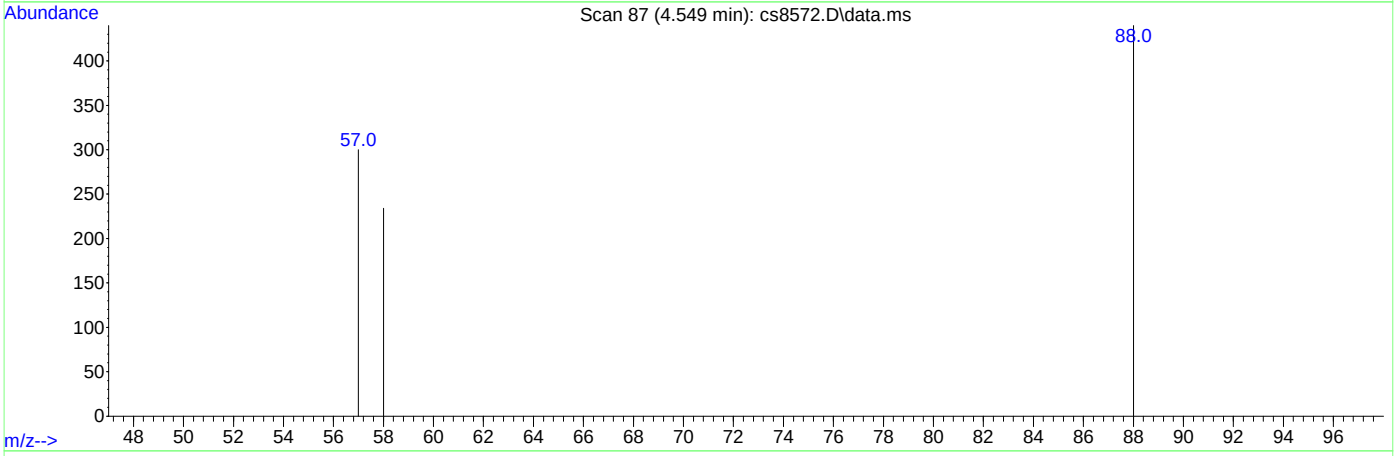
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,4-Dioxane	123-91-1		4.55	Baseline ripple
Indeno(1,2,3-cd)pyrene	193-39-5		18.70	Baseline ripple

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8572.D
Acq On : 17 Sep 2025 01:15 pm
Operator : rocquans
Sample : ic446-0.04
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 46 Sample Multiplier: 1

Quant Time: Sep 17 16:33:50 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration





TIC: cs8572.D\data.ms

(2) 1,4-Dioxane (t)

4.549min (+0.075) 26.36ppb

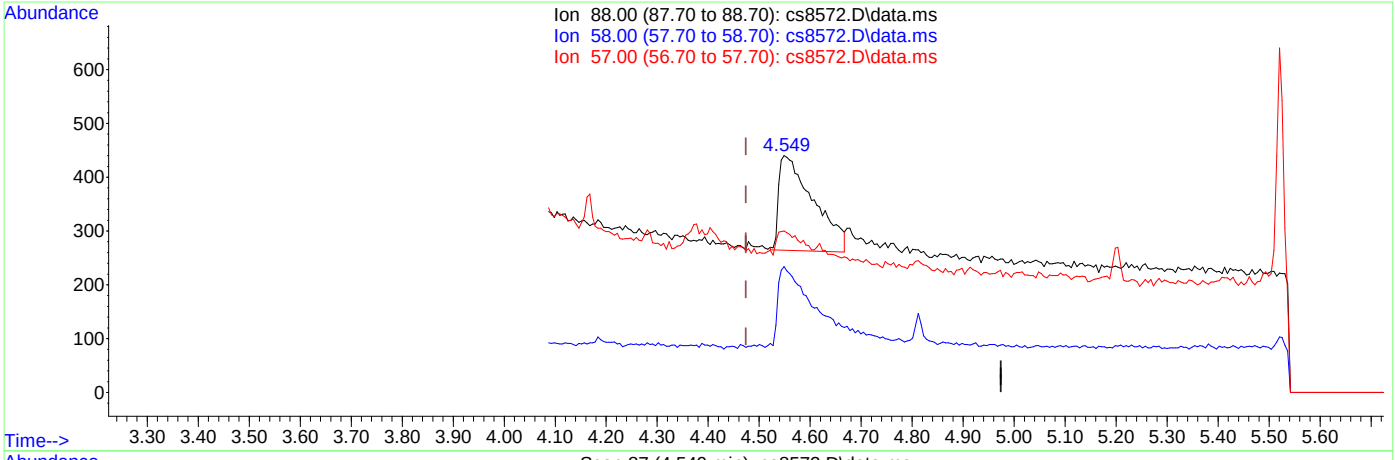
response 702

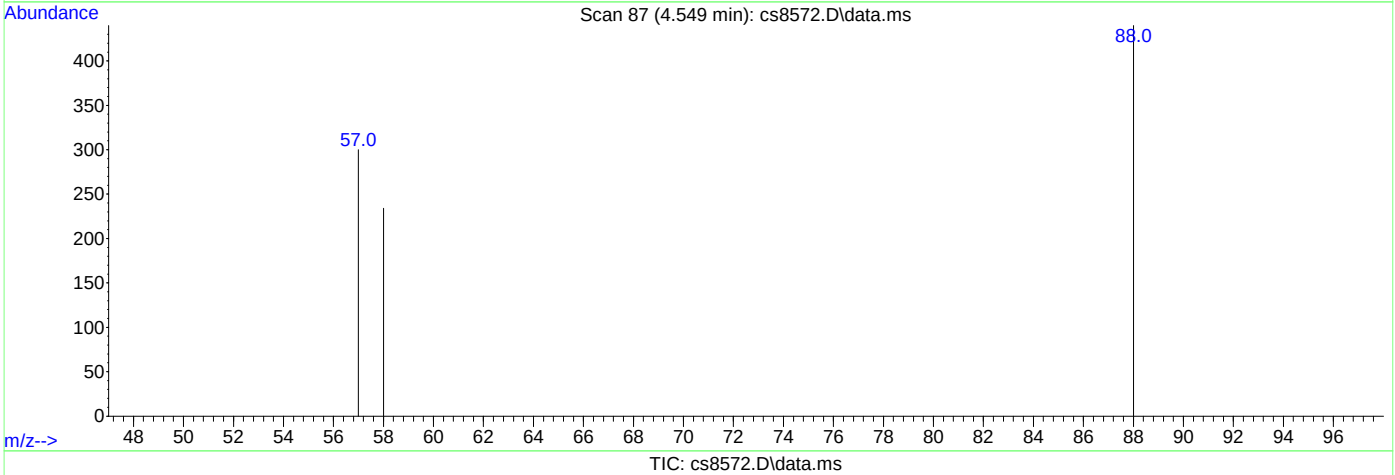
Ion	Exp%	Act%
88.00	100	100
58.00	81.30	82.52
57.00	25.80	25.87
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8572.D
Acq On : 17 Sep 2025 01:15 pm
Operator : rocquans
Sample : ic446-0.04
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 46 Sample Multiplier: 1

Quant Time: Sep 17 16:33:50 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration





TIC: cs8572.D\data.ms

(2) 1,4-Dioxane (t)

4.549min (+0.075) 31.32ppb m

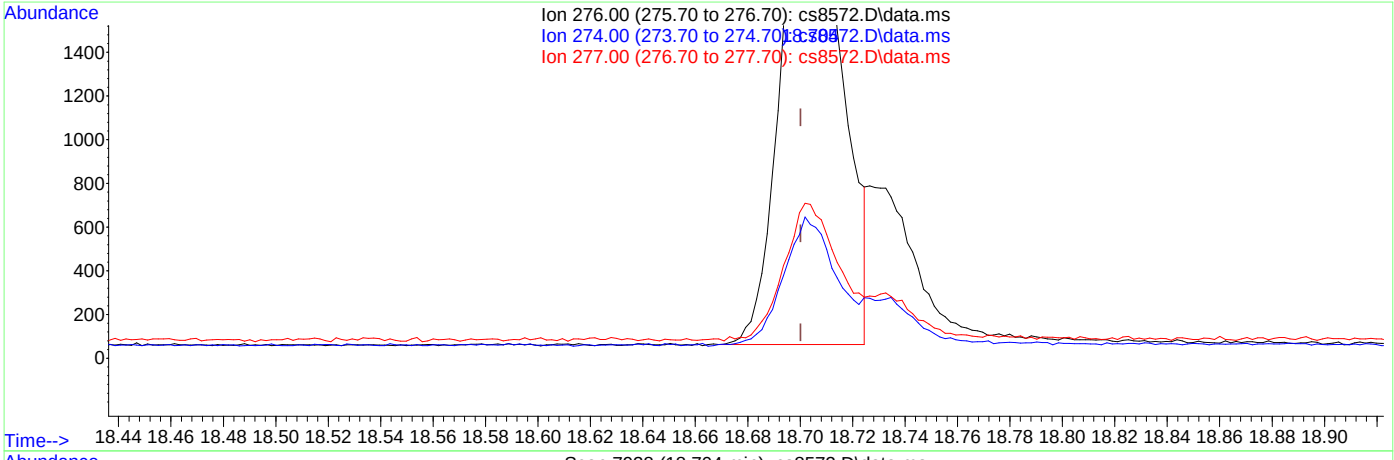
response 834

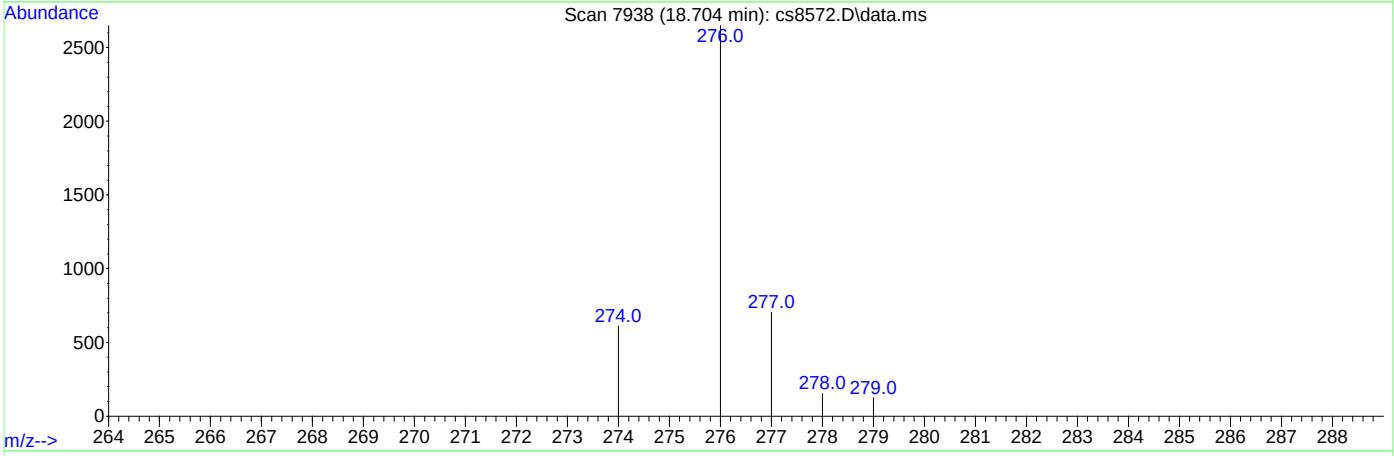
Ion	Exp%	Act%
88.00	100	100
58.00	81.30	53.18#
57.00	25.80	68.18#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8572.D
Acq On : 17 Sep 2025 01:15 pm
Operator : rocquans
Sample : ic446-0.04
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 46 Sample Multiplier: 1

Quant Time: Sep 17 16:33:50 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration





TIC: cs8572.D\data.ms

(32) Indeno[1,2,3-cd]pyrene (t)

18.704min (+0.004) 36.55ppb

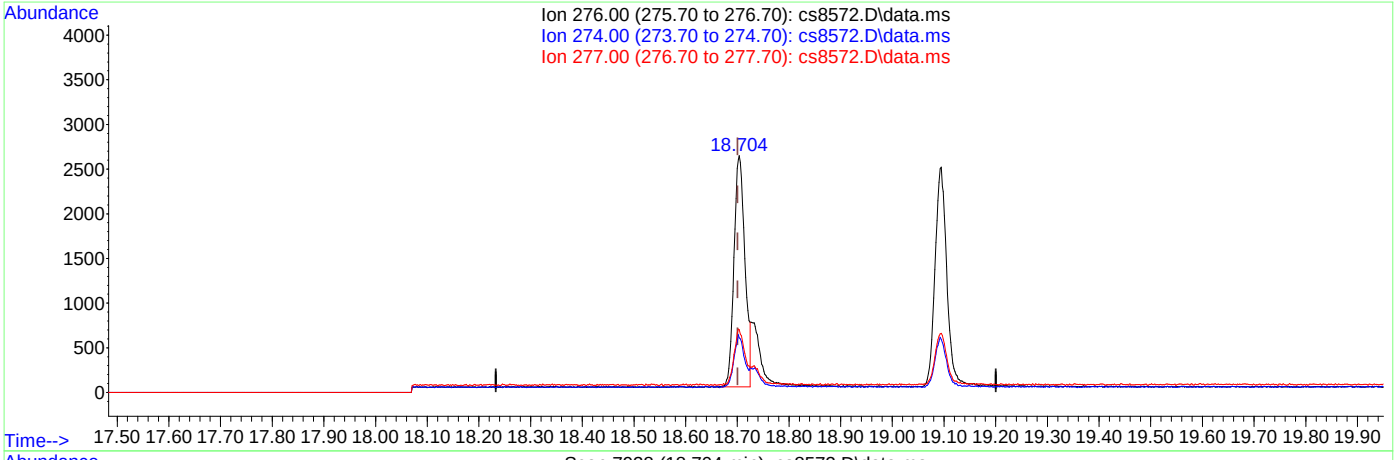
response 3783

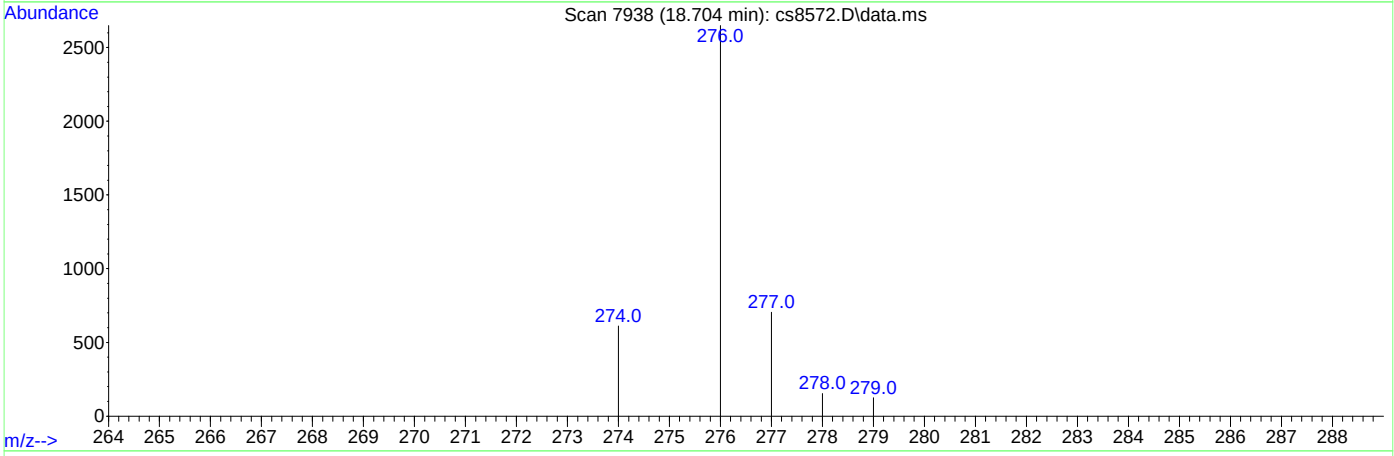
Ion	Exp%	Act%
276.00	100	100
274.00	20.40	19.85
277.00	22.40	23.35
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8572.D
Acq On : 17 Sep 2025 01:15 pm
Operator : rocquans
Sample : ic446-0.04
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 46 Sample Multiplier: 1

Quant Time: Sep 17 16:33:50 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration





TIC: cs8572.D\data.ms

(32) Indeno[1,2,3-cd]pyrene (t)

18.704min (+0.004) 36.57ppb m

response 3785

Ion	Exp%	Act%
276.00	100	100
274.00	20.40	23.09
277.00	22.40	26.57
0.00	0.00	0.00

9.6.5.5

6

Manual Integrations APPROVED (compounds with "m" flag)
Ying Li
09/18/25 10:52

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8573.D
Acq On : 17 Sep 2025 01:42 pm
Operator : rocquans
Sample : ic446-0.1
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 47 Sample Multiplier: 1

Quant Time: Sep 17 15:46:00 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 15:40:02 2025
Response via : Initial Calibration

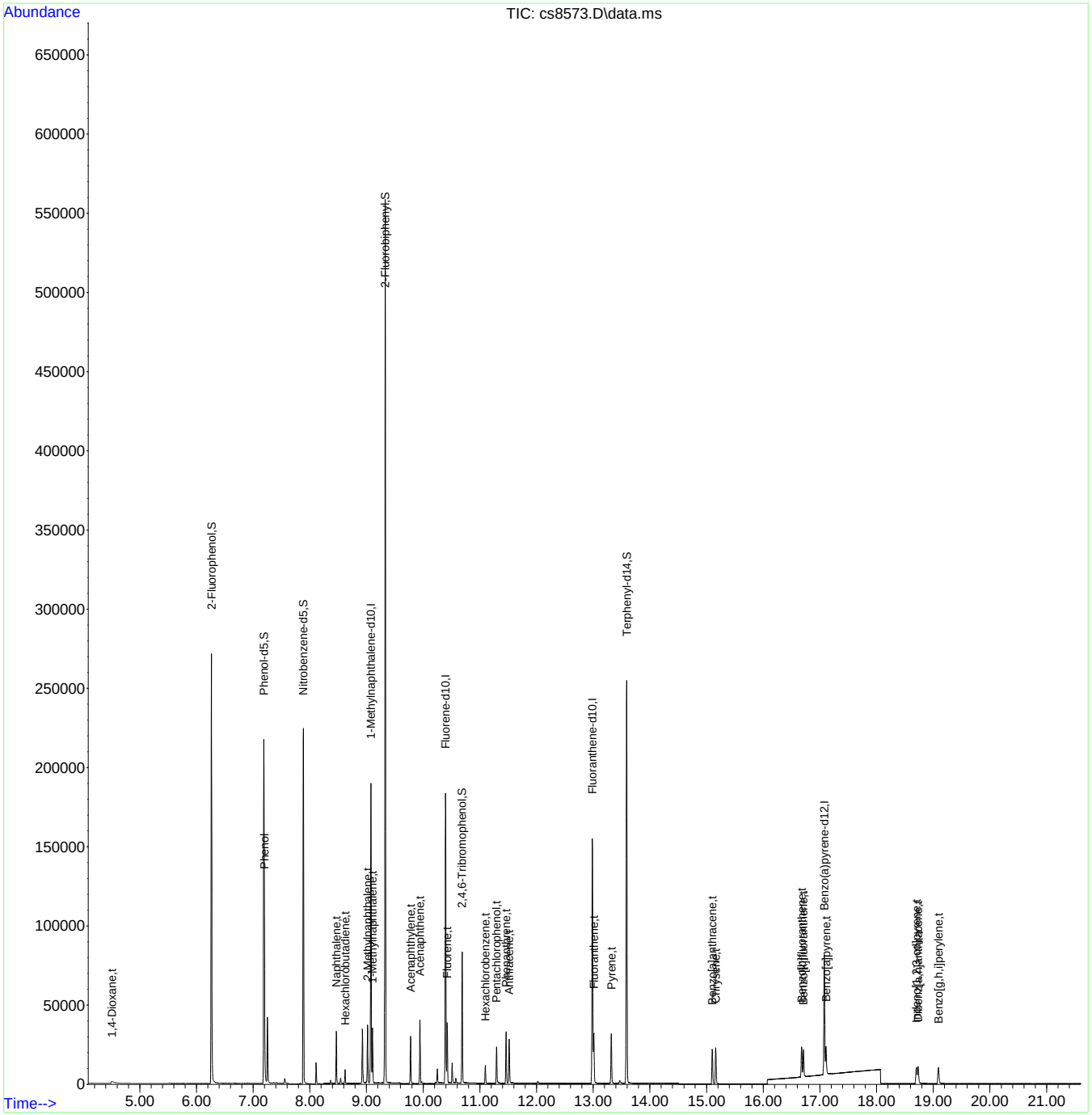
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	9.077	150	59364	800.00	ppb	0.00
11) Fluorene-d10	10.394	176	77696	800.00	ppb	0.00
18) Fluoranthene-d10	12.985	212	118826	800.00	ppb	0.00
28) Benzo(a)pyrene-d12	17.077	264	63608	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	6.263	112	123033	1982.83	ppb	0.00
Spiked Amount 10000.000			Recovery = 19.83%			
4) Phenol-d5	7.188	99	144359	2011.69	ppb	0.00
Spiked Amount 10000.000			Recovery = 20.12%			
6) Nitrobenzene-d5	7.883	82	118239	2028.99	ppb	0.00
Spiked Amount 10000.000			Recovery = 20.29%			
12) 2-Fluorobiphenyl	9.331	172	268696	2069.78	ppb	0.00
Spiked Amount 10000.000			Recovery = 20.70%			
17) 2,4,6-Tribromophenol	10.686	330	28878	1963.45	ppb	0.00
Spiked Amount 10000.000			Recovery = 19.63%			
25) Terphenyl-d14	13.589	244	183155	2031.06	ppb	0.00
Spiked Amount 10000.000			Recovery = 20.31%			
Target Compounds						Qvalue
2) 1,4-Dioxane	4.506	88	2513	91.34	ppb	99
5) Phenol	7.199	94	41003	504.84	ppb	97
7) Naphthalene	8.467	128	21270	100.25	ppb	100
8) Hexachlorobutadiene	8.622	225	3116	100.39	ppb	98
9) 2-Methylnaphthalene	9.018	141	11709	99.70	ppb	98
10) 1-Methylnaphthalene	9.105	141	11291	99.87	ppb	99
13) Acenaphthylene	9.777	152	18815	95.28	ppb	100
14) Acenaphthene	9.942	153	13251	98.22	ppb	99
15) Fluorene	10.423	166	15167	99.52	ppb	97
19) Hexachlorobenzene	11.095	284	3992	98.69	ppb	98
20) Pentachlorophenol	11.295	266	9182	443.58	ppb	99
21) Phenanthrene	11.463	178	21403	98.67	ppb	98
22) Anthracene	11.516	178	19666	95.68	ppb	99
23) Fluoranthene	13.011	202	22782	100.33	ppb	99
24) Pyrene	13.318	202	22726	98.51	ppb	100
26) Benzo[a]anthracene	15.100	228	16126	95.86	ppb	100
27) Chrysene	15.161	228	16371	96.67	ppb	100
29) Benzo[b]fluoranthene	16.677	252	14039	99.04	ppb	99
30) Benzo[k]fluoranthene	16.709	252	13112	95.27	ppb	99
31) Benzo[a]pyrene	17.107	252	12848	98.29	ppb	99
32) Indeno[1,2,3-cd]pyrene	18.702	276	9950m	93.23	ppb	
33) Dibenz[a,h]anthracene	18.731	278	9848	97.53	ppb	99
34) Benzo[g,h,i]perylene	19.091	276	10037	96.73	ppb	100

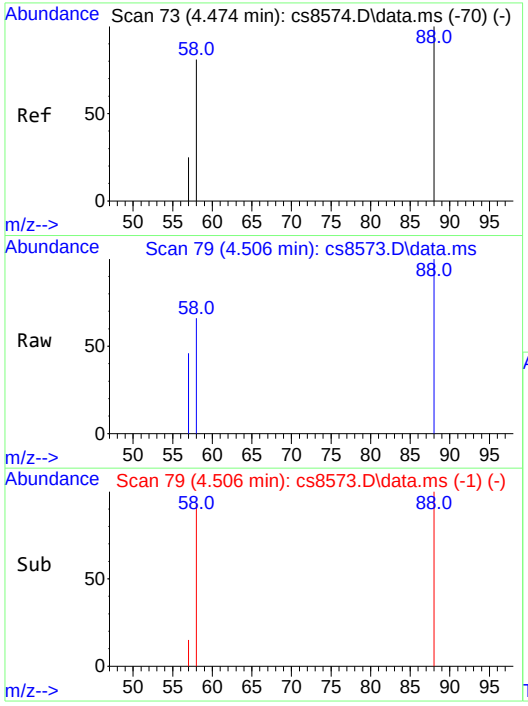
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8573.D
Acq On : 17 Sep 2025 01:42 pm
Operator : rocquans
Sample : ic446-0.1
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 47 Sample Multiplier: 1

Quant Time: Sep 17 15:46:00 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 15:40:02 2025
Response via : Initial Calibration

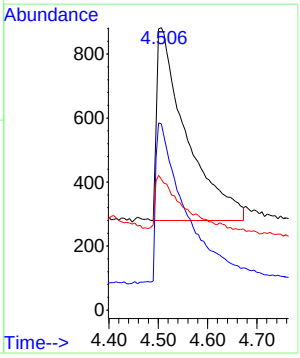


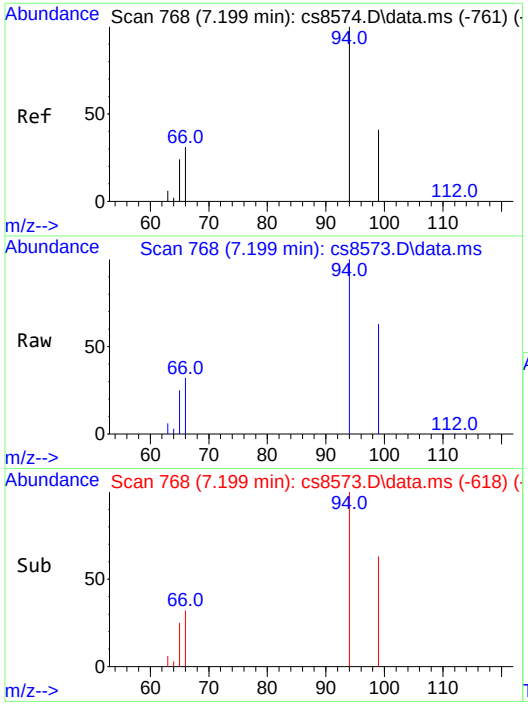


#2
1,4-Dioxane
Concen: 91.34 ppb
RT: 4.506 min Scan# 79
Delta R.T. 0.032 min
Lab File: cs8573.D
Acq: 17 Sep 2025 01:42 pm

Tgt Ion: 88 Resp: 2513

Ion	Ratio	Lower	Upper
88	100		
58	80.7	61.3	101.3
57	25.5	5.8	45.8

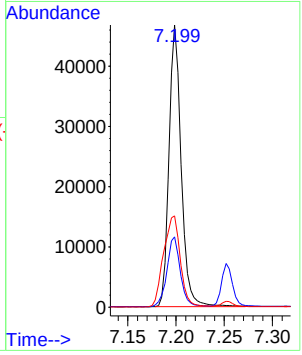


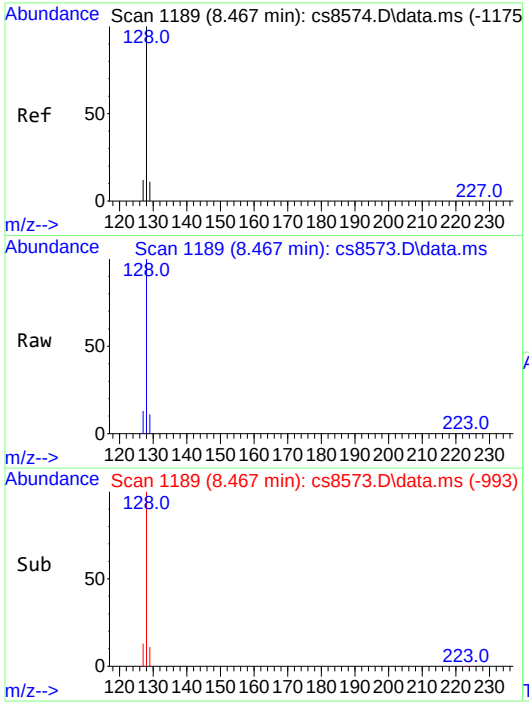


#5
Phenol
Concen: 504.84 ppb
RT: 7.199 min Scan# 768
Delta R.T. -0.000 min
Lab File: cs8573.D
Acq: 17 Sep 2025 01:42 pm

Tgt Ion: 94 Resp: 41003

Ion	Ratio	Lower	Upper
94	100		
65	24.3	17.0	25.4
66	31.1	24.6	37.0

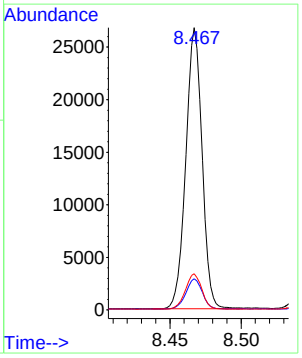


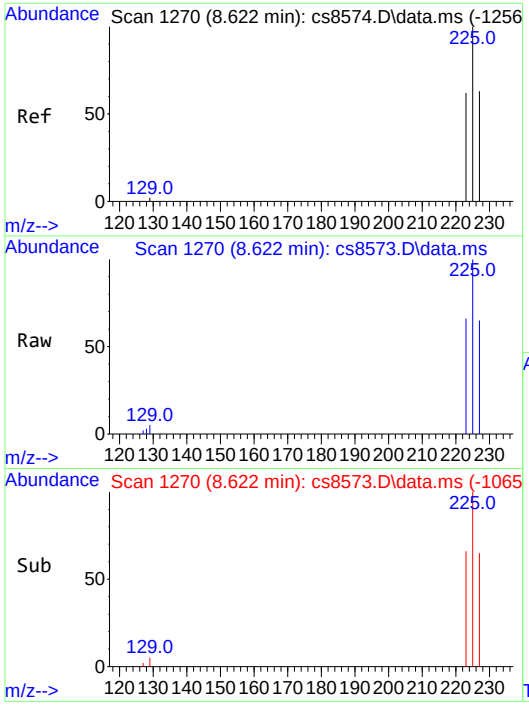


#7
Naphthalene
Concen: 100.25 ppb
RT: 8.467 min Scan# 1189
Delta R.T. -0.000 min
Lab File: cs8573.D
Acq: 17 Sep 2025 01:42 pm

Tgt Ion:128 Resp: 21270

Ion	Ratio	Lower	Upper
128	100		
129	10.7	0.0	40.8
127	12.6	0.0	42.4

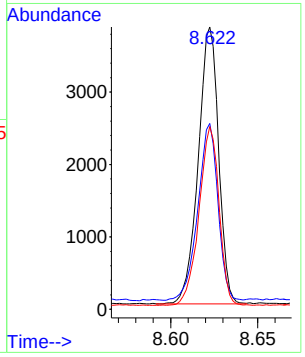


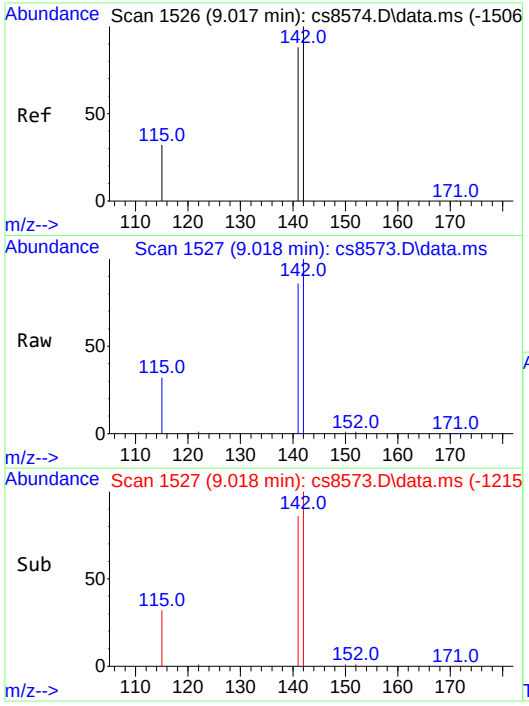


#8
Hexachlorobutadiene
Concen: 100.39 ppb
RT: 8.622 min Scan# 1270
Delta R.T. -0.000 min
Lab File: cs8573.D
Acq: 17 Sep 2025 01:42 pm

Tgt Ion:225 Resp: 3116

Ion	Ratio	Lower	Upper
225	100		
223	63.6	31.8	91.8
227	64.4	32.6	92.6

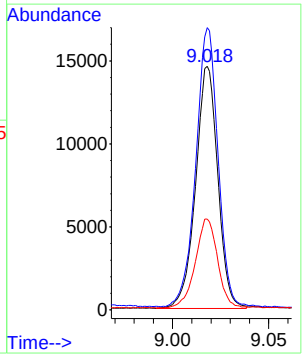


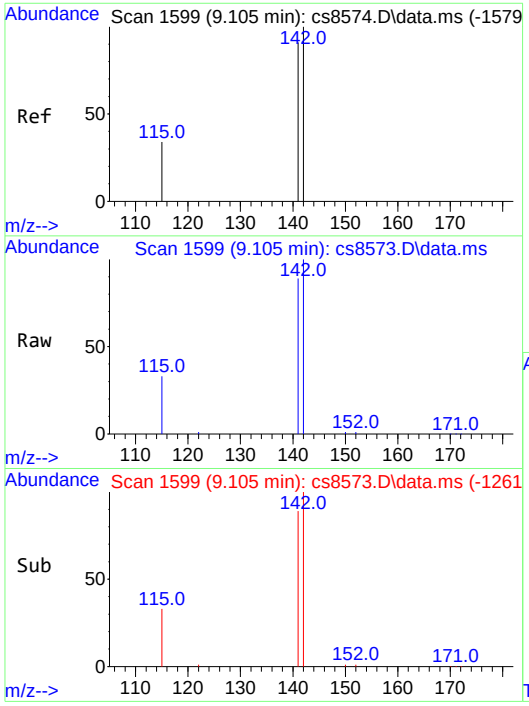


#9
2-Methylnaphthalene
Concen: 99.70 ppb
RT: 9.018 min Scan# 1527
Delta R.T. 0.001 min
Lab File: cs8573.D
Acq: 17 Sep 2025 01:42 pm

Tgt Ion:141 Resp: 11709

Ion	Ratio	Lower	Upper
141	100		
142	115.4	83.1	143.1
115	36.6	5.8	65.8

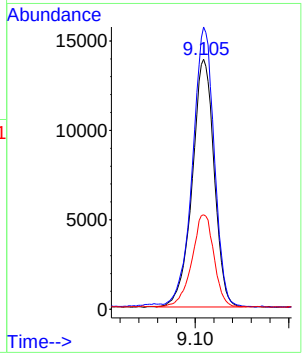


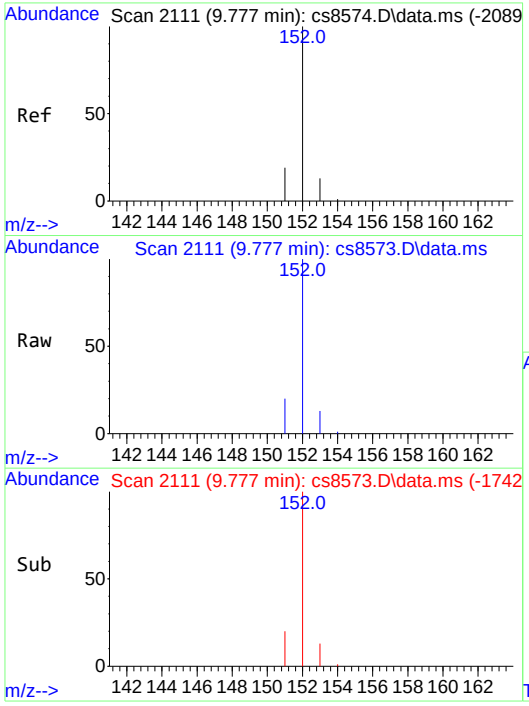


#10
1-Methylnaphthalene
Concen: 99.87 ppb
RT: 9.105 min Scan# 1599
Delta R.T. -0.000 min
Lab File: cs8573.D
Acq: 17 Sep 2025 01:42 pm

Tgt Ion:141 Resp: 11291

Ion	Ratio	Lower	Upper
141	100		
142	112.4	80.8	140.8
115	37.0	7.2	67.2

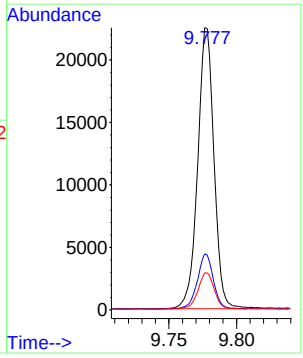


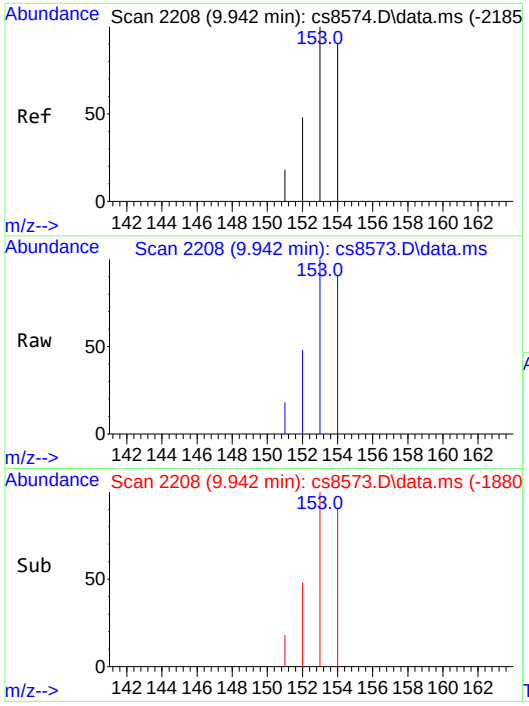


#13
Acenaphthylene
Concen: 95.28 ppb
RT: 9.777 min Scan# 2111
Delta R.T. -0.000 min
Lab File: cs8573.D
Acq: 17 Sep 2025 01:42 pm

Tgt Ion:152 Resp: 18815

Ion	Ratio	Lower	Upper
152	100		
151	19.6	0.0	49.3
153	12.8	0.0	42.7

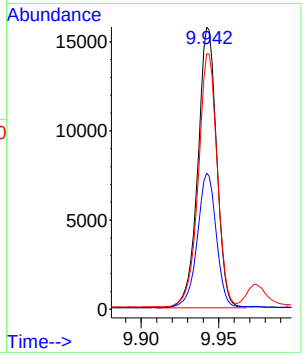


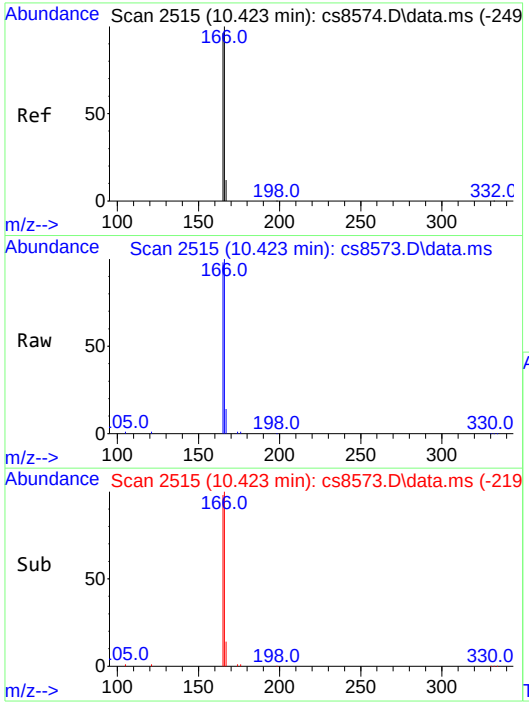


#14
Acenaphthene
Concen: 98.22 ppb
RT: 9.942 min Scan# 2208
Delta R.T. -0.000 min
Lab File: cs8573.D
Acq: 17 Sep 2025 01:42 pm

Tgt Ion:153 Resp: 13251

Ion	Ratio	Lower	Upper
153	100		
152	47.8	17.7	77.7
154	88.0	59.5	119.5

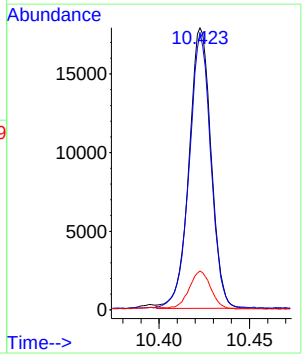


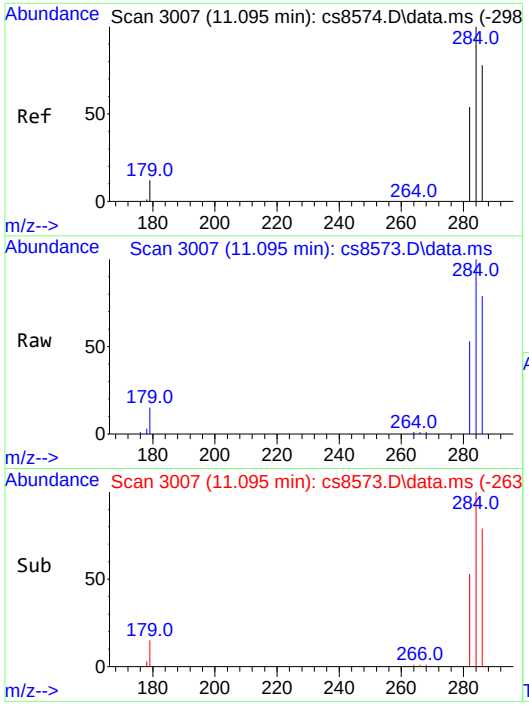


#15
Fluorene
Concen: 99.52 ppb
RT: 10.423 min Scan# 2515
Delta R.T. -0.000 min
Lab File: cs8573.D
Acq: 17 Sep 2025 01:42 pm

Tgt Ion:166 Resp: 15167

Ion	Ratio	Lower	Upper
166	100		
165	98.5	65.7	125.7
167	13.4	0.0	42.4

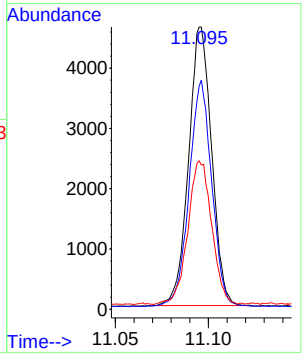


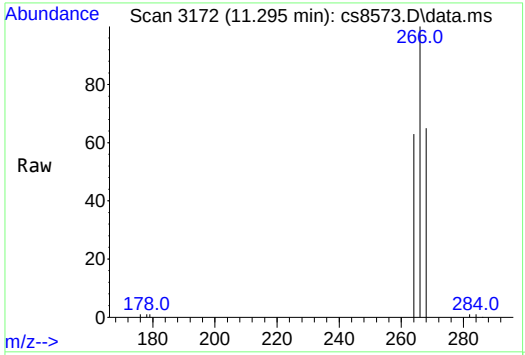


#19
Hexachlorobenzene
Concen: 98.69 ppb
RT: 11.095 min Scan# 3007
Delta R.T. -0.000 min
Lab File: cs8573.D
Acq: 17 Sep 2025 01:42 pm

Tgt Ion:284 Resp: 3992

Ion	Ratio	Lower	Upper
284	100		
286	78.6	48.0	108.0
282	51.3	23.8	83.8

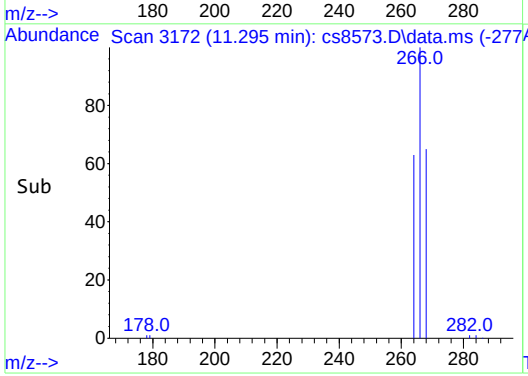


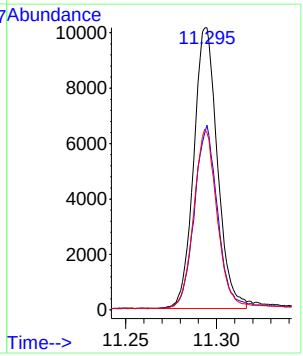


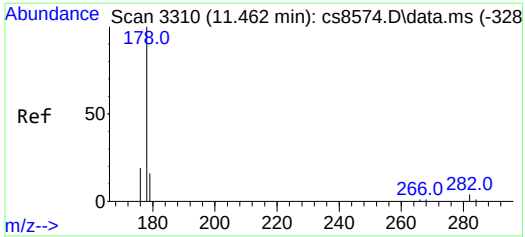
#20
Pentachlorophenol
Concen: 443.58 ppb
RT: 11.295 min Scan# 3172
Delta R.T. 0.001 min
Lab File: cs8573.D
Acq: 17 Sep 2025 01:42 pm

Tgt Ion:266 Resp: 9182

Ion	Ratio	Lower	Upper
266	100		
268	63.6	43.1	83.1
264	62.6	43.0	83.0



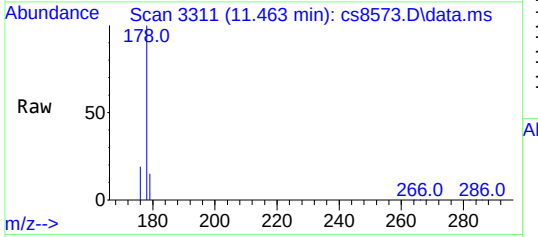


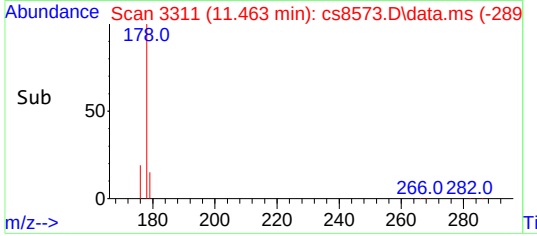


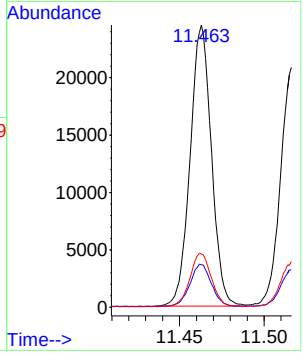
#21
Phenanthrene
Concen: 98.67 ppb
RT: 11.463 min Scan# 3311
Delta R.T. 0.001 min
Lab File: cs8573.D
Acq: 17 Sep 2025 01:42 pm

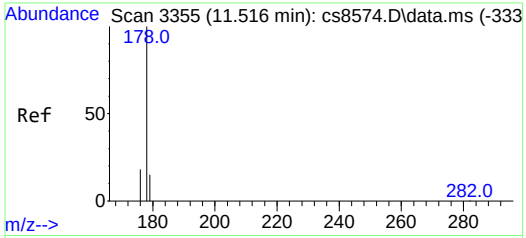
Tgt Ion:178 Resp: 21403

Ion	Ratio	Lower	Upper
178	100		
179	14.7	0.0	45.7
176	18.7	0.0	49.2





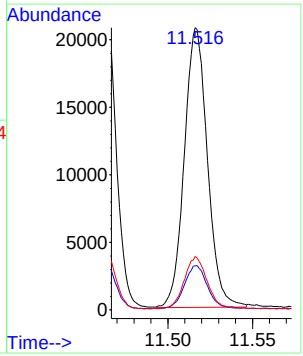


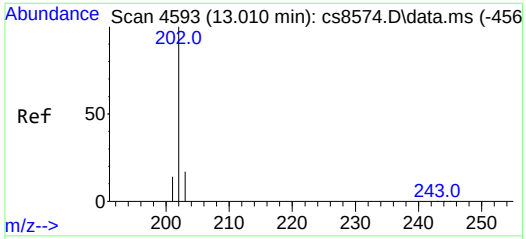


#22
Anthracene
Concen: 95.68 ppb
RT: 11.516 min Scan# 3355
Delta R.T. -0.000 min
Lab File: cs8573.D
Acq: 17 Sep 2025 01:42 pm

Tgt Ion:178 Resp: 19666

Ion	Ratio	Lower	Upper
178	100		
179	15.3	0.0	45.2
176	18.8	0.0	48.4

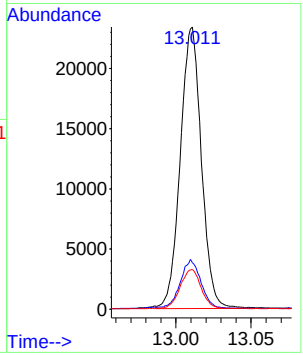


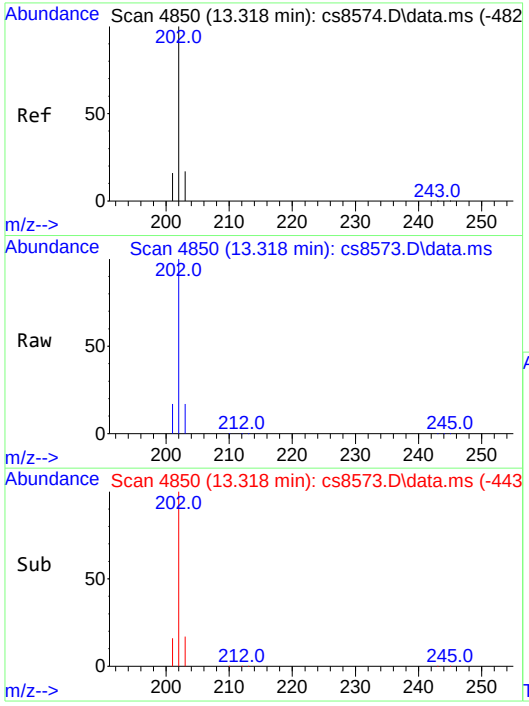


#23
Fluoranthene
Concen: 100.33 ppb
RT: 13.011 min Scan# 4594
Delta R.T. 0.001 min
Lab File: cs8573.D
Acq: 17 Sep 2025 01:42 pm

Tgt Ion:202 Resp: 22782

Ion	Ratio	Lower	Upper
202	100		
203	16.1	0.0	47.2
201	14.0	0.0	44.0

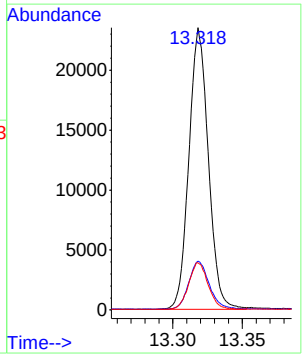


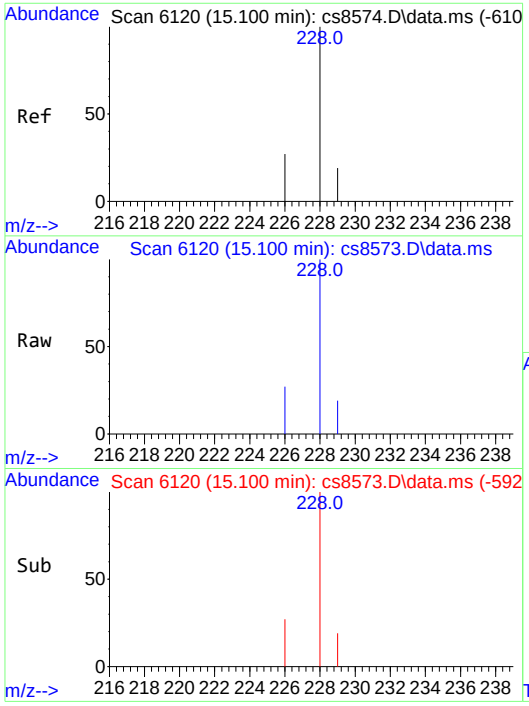


#24
Pyrene
Concen: 98.51 ppb
RT: 13.318 min Scan# 4850
Delta R.T. -0.000 min
Lab File: cs8573.D
Acq: 17 Sep 2025 01:42 pm

Tgt Ion:202 Resp: 22726

Ion	Ratio	Lower	Upper
202	100		
203	17.1	0.0	47.1
201	16.5	0.0	46.4

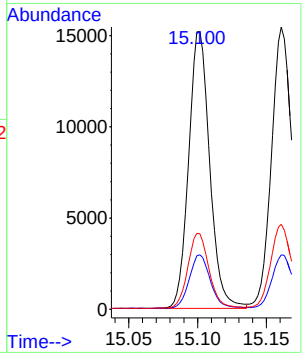


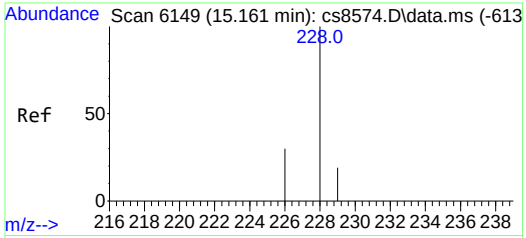


#26
Benzo[a]anthracene
Concen: 95.86 ppb
RT: 15.100 min Scan# 6120
Delta R.T. -0.000 min
Lab File: cs8573.D
Acq: 17 Sep 2025 01:42 pm

Tgt Ion:228 Resp: 16126

Ion	Ratio	Lower	Upper
228	100		
229	19.0	0.0	49.1
226	27.1	0.0	57.0

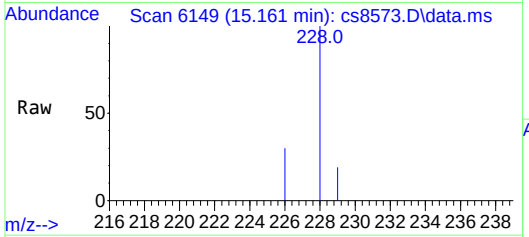


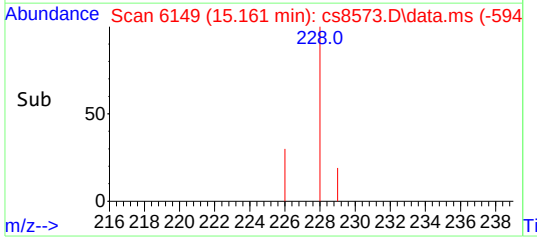


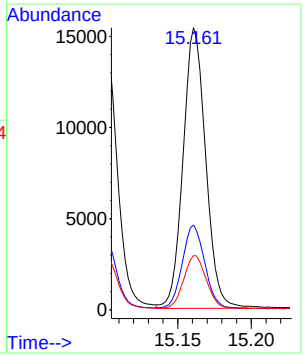
#27
Chrysene
Concen: 96.67 ppb
RT: 15.161 min Scan# 6149
Delta R.T. -0.000 min
Lab File: cs8573.D
Acq: 17 Sep 2025 01:42 pm

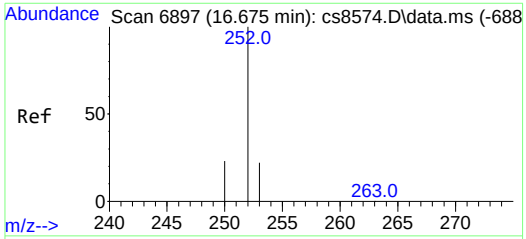
Tgt Ion:228 Resp: 16371

Ion	Ratio	Lower	Upper
228	100		
226	29.9	0.0	59.6
229	19.0	0.0	49.1





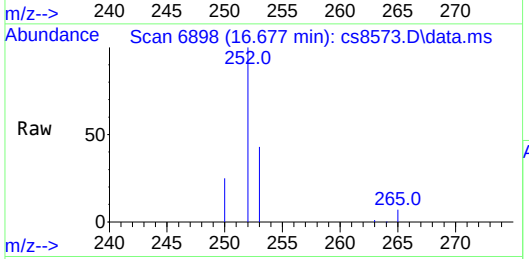


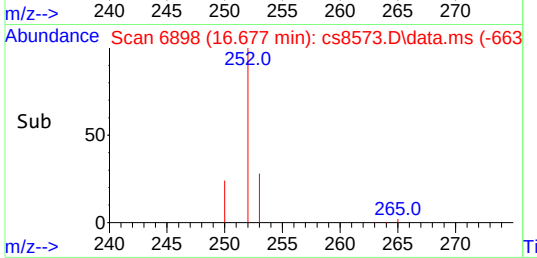


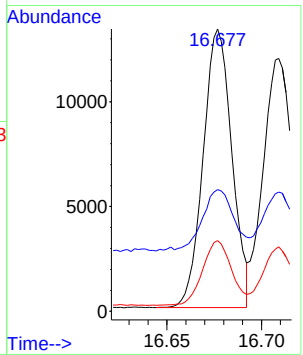
#29
Benzo[b]fluoranthene
Concen: 99.04 ppb
RT: 16.677 min Scan# 6898
Delta R.T. 0.002 min
Lab File: cs8573.D
Acq: 17 Sep 2025 01:42 pm

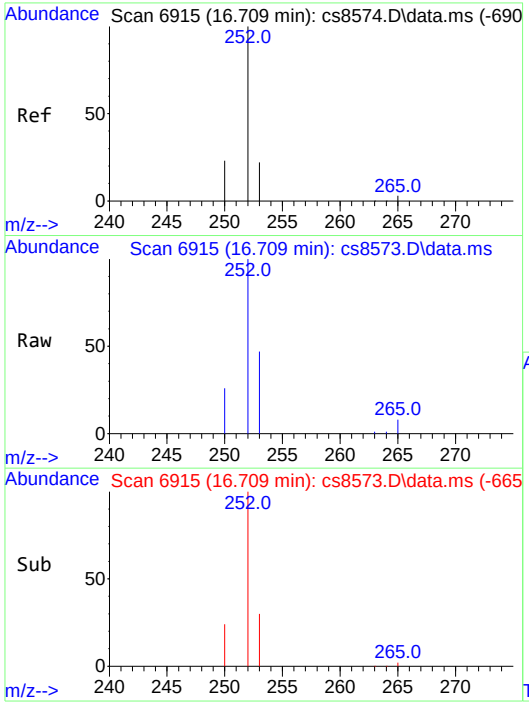
Tgt Ion:252 Resp: 14039

Ion	Ratio	Lower	Upper
252	100		
253	21.3	0.0	51.5
250	23.1	0.0	53.4





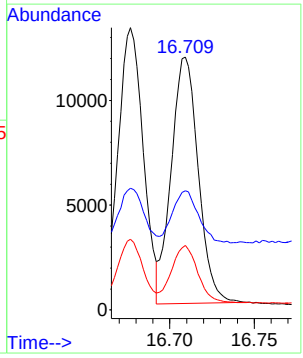


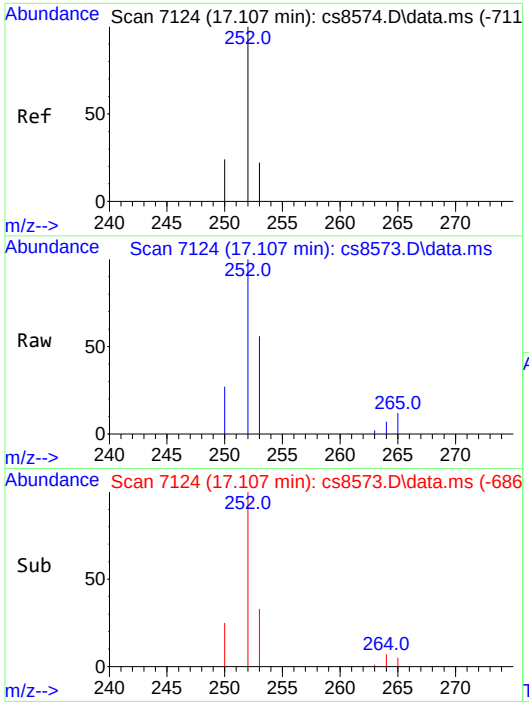


#30
Benzo[k]fluoranthene
Concen: 95.27 ppb
RT: 16.709 min Scan# 6915
Delta R.T. -0.000 min
Lab File: cs8573.D
Acq: 17 Sep 2025 01:42 pm

Tgt Ion:252 Resp: 13112

Ion	Ratio	Lower	Upper
252	100		
253	21.6	0.0	51.3
250	23.4	0.0	53.2

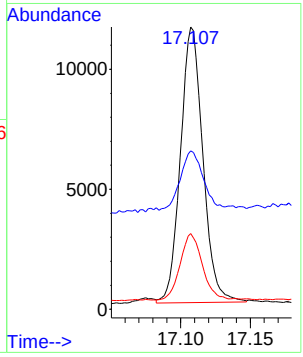


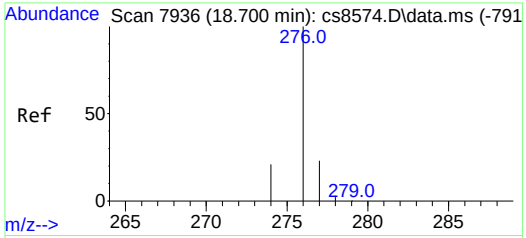


#31
Benzo[a]pyrene
Concen: 98.29 ppb
RT: 17.107 min Scan# 7124
Delta R.T. -0.000 min
Lab File: cs8573.D
Acq: 17 Sep 2025 01:42 pm

Tgt Ion:252 Resp: 12848

Ion	Ratio	Lower	Upper
252	100		
253	21.0	0.0	51.3
250	24.0	0.0	53.7

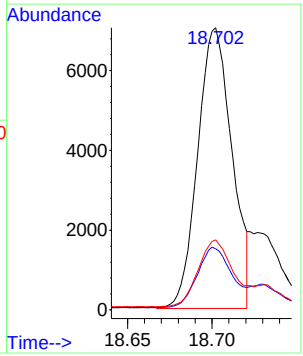


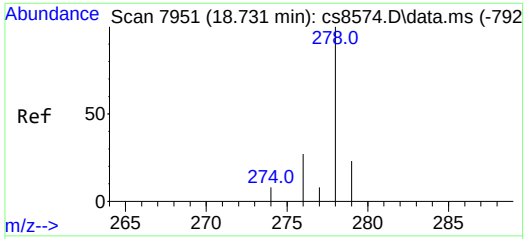


#32
Indeno[1,2,3-cd]pyrene
Concen: 93.23 ppb m
RT: 18.702 min Scan# 7937
Delta R.T. 0.002 min
Lab File: cs8573.D
Acq: 17 Sep 2025 01:42 pm

Tgt Ion:276 Resp: 9950

Ion	Ratio	Lower	Upper
276	100		
274	21.6	0.0	50.4
277	24.8	0.0	52.4

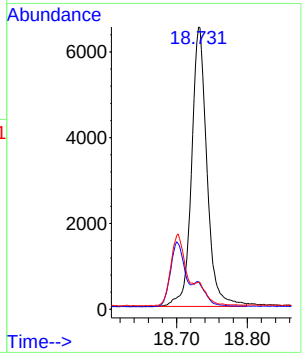


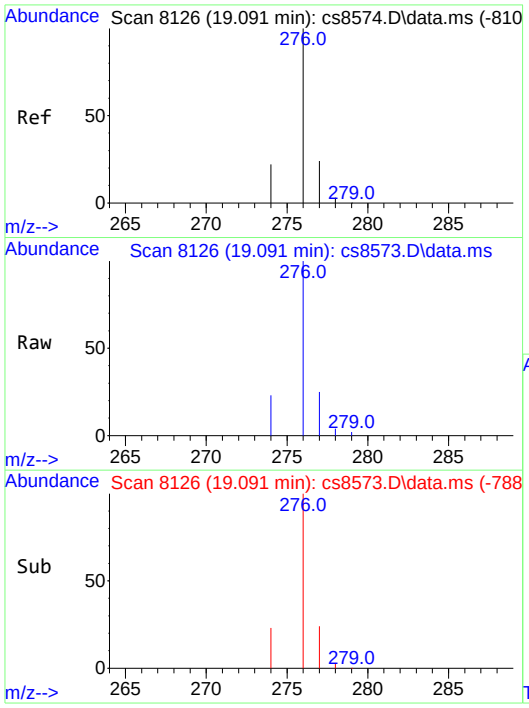


#33
Dibenz[a,h]anthracene
Concen: 97.53 ppb
RT: 18.731 min Scan# 7951
Delta R.T. -0.000 min
Lab File: cs8573.D
Acq: 17 Sep 2025 01:42 pm

Tgt Ion:278 Resp: 9848

Ion	Ratio	Lower	Upper
278	100		
274	8.8	0.0	38.4
277	8.4	0.0	37.8

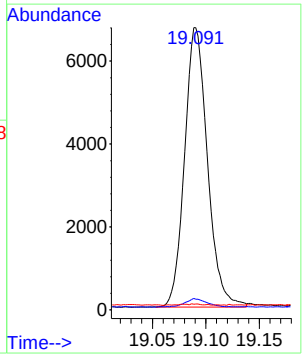




#34
Benzo[g,h,i]perylene
Concen: 96.73 ppb
RT: 19.091 min Scan# 8126
Delta R.T. -0.000 min
Lab File: cs8573.D
Acq: 17 Sep 2025 01:42 pm

Tgt Ion:276 Resp: 10037

Ion	Ratio	Lower	Upper
276	100		
278	2.7	0.0	32.6
279	0.4	0.0	30.2



Manual Integration Approval Summary

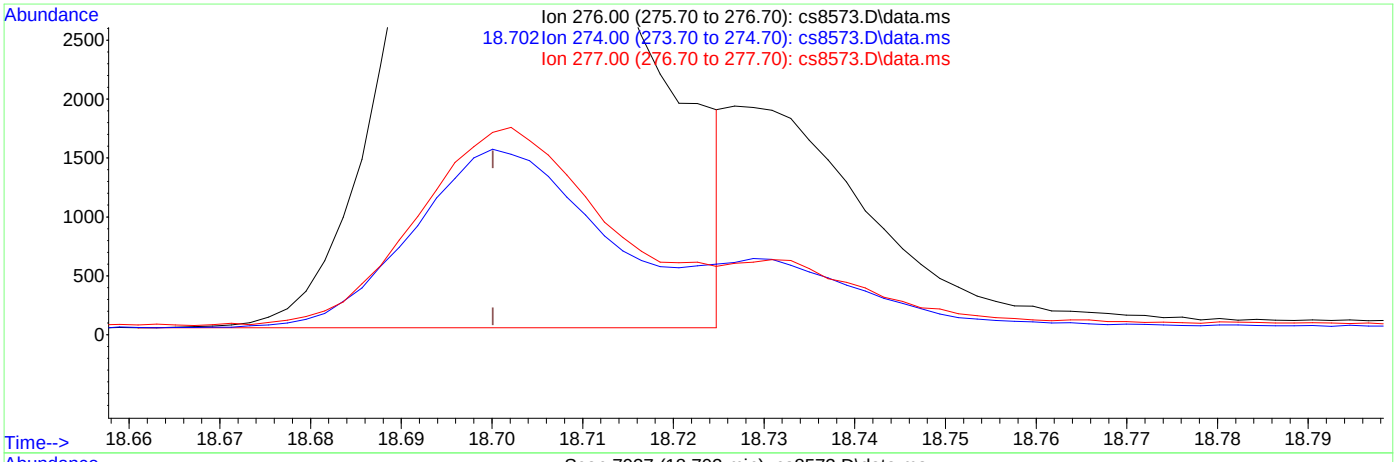
Sample Number: ECS446-IC446
Lab FileID: CS8573.D
Injection Time: 09/17/25 13:42
Method: SW846 8270E BY SIM
Analyst approved: 09/17/25 18:29 Rocquan Salters
Supervisor approved: 09/18/25 10:52 Ying Li

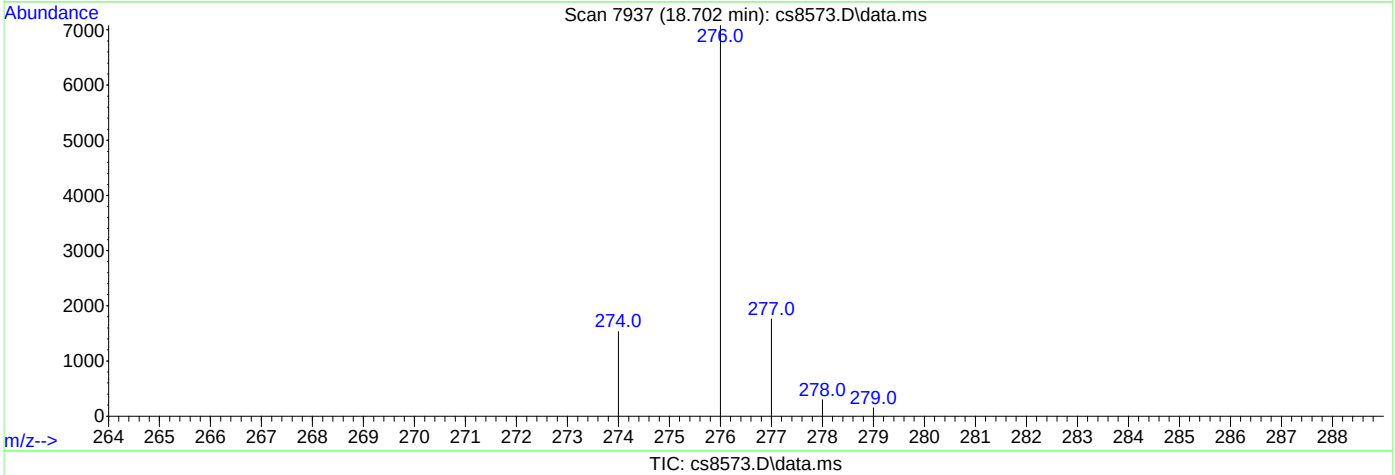
Parameter	CAS	Sig#	R.T. (min.)	Reason
Indeno(1,2,3-cd)pyrene	193-39-5		18.70	Baseline ripple

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8573.D
Acq On : 17 Sep 2025 01:42 pm
Operator : rocquans
Sample : ic446-0.1
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 47 Sample Multiplier: 1

Quant Time: Sep 17 15:46:00 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 15:40:02 2025
Response via : Initial Calibration





TIC: cs8573.D\data.ms

(32) Indeno[1,2,3-cd]pyrene (t)

18.702min (+0.002) 96.88ppb

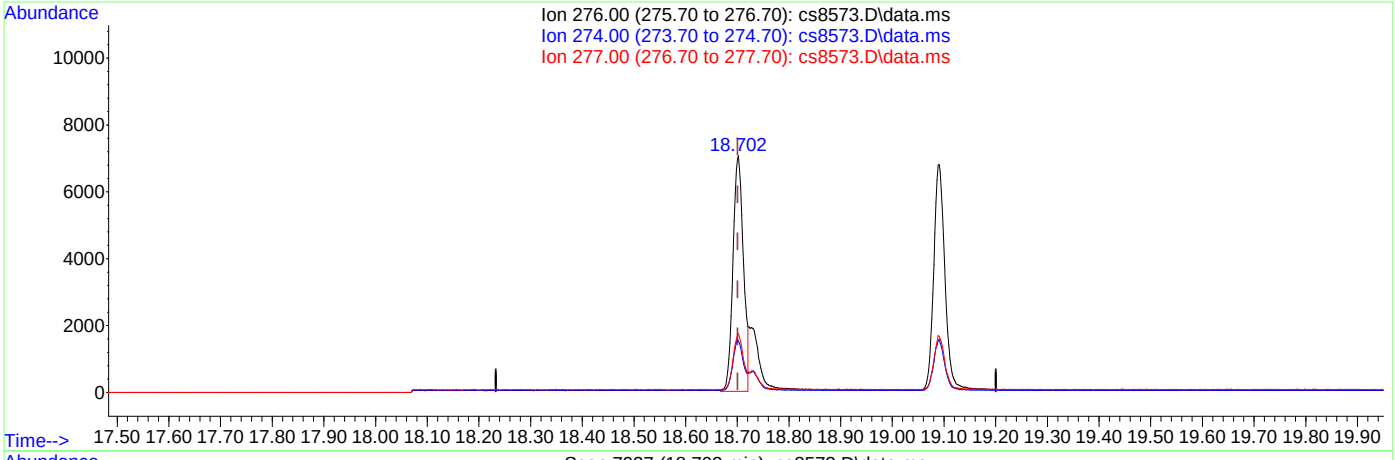
response 10339

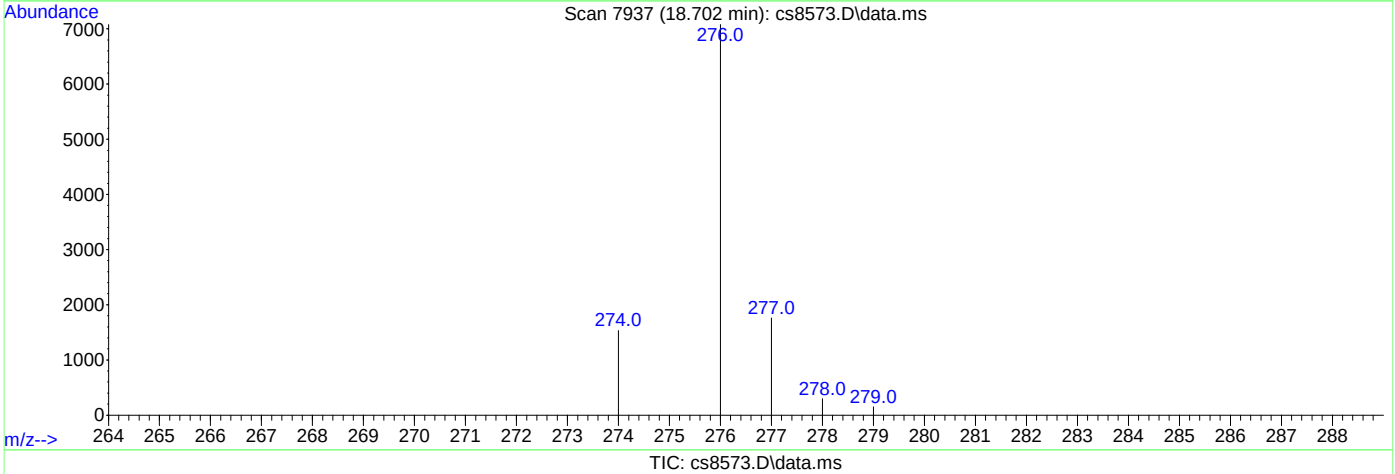
Ion	Exp%	Act%
276.00	100	100
274.00	20.40	19.70
277.00	22.40	23.43
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8573.D
Acq On : 17 Sep 2025 01:42 pm
Operator : rocquans
Sample : ic446-0.1
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 47 Sample Multiplier: 1

Quant Time: Sep 17 15:46:00 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 15:40:02 2025
Response via : Initial Calibration





TIC: cs8573.D\data.ms

(32) Indeno[1,2,3-cd]pyrene (t)

18.702min (+0.002) 93.23ppb m

response 9950

Ion	Exp%	Act%
276.00	100	100
274.00	20.40	21.64
277.00	22.40	24.84
0.00	0.00	0.00

9.6.6.3

9

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8574.D
Acq On : 17 Sep 2025 02:09 pm
Operator : rocquans
Sample : icc446-0.2
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Sep 17 16:36:31 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration

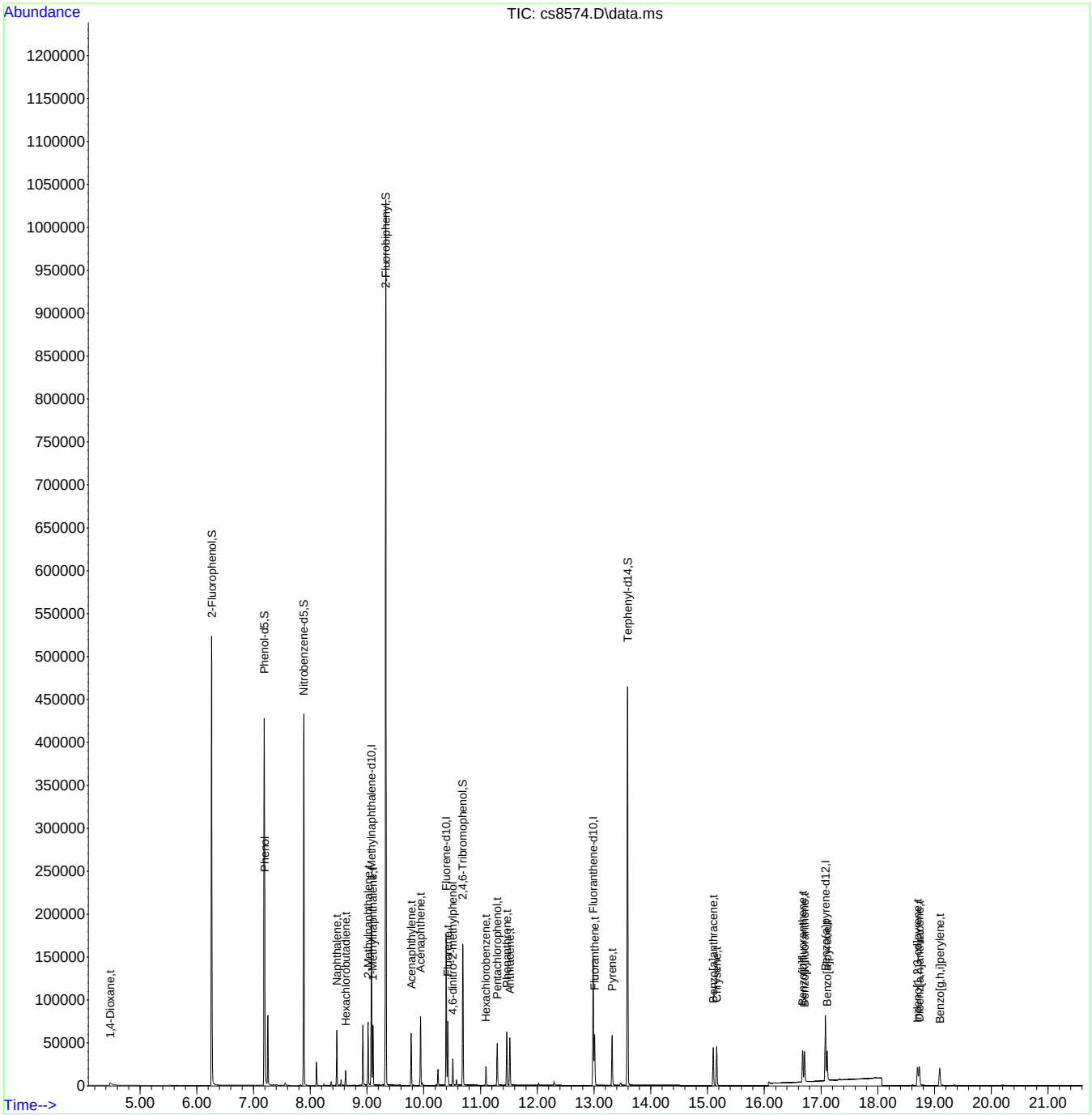
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	9.077	150	57384	800.00	ppb	0.00
11) Fluorene-d10	10.396	176	74464	800.00	ppb	0.00
18) Fluoranthene-d10	12.985	212	111847	800.00	ppb	0.00
28) Benzo(a)pyrene-d12	17.077	264	62466	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	6.263	112	239919	4000.00	ppb	0.00
Spiked Amount 10000.000			Recovery = 40.00%			
4) Phenol-d5	7.189	99	277466	4000.00	ppb	0.00
Spiked Amount 10000.000			Recovery = 40.00%			
6) Nitrobenzene-d5	7.883	82	225324	4000.00	ppb	0.00
Spiked Amount 10000.000			Recovery = 40.00%			
12) 2-Fluorobiphenyl	9.331	172	497674	4000.00	ppb	0.00
Spiked Amount 10000.000			Recovery = 40.00%			
17) 2,4,6-Tribromophenol	10.687	330	56384	4000.00	ppb	0.00
Spiked Amount 10000.000			Recovery = 40.00%			
25) Terphenyl-d14	13.591	244	339522	4000.00	ppb	0.00
Spiked Amount 10000.000			Recovery = 40.00%			
Target Compounds						Qvalue
2) 1,4-Dioxane	4.474	88	5319	200.00	ppb	100
5) Phenol	7.199	94	78511	1000.00	ppb	100
7) Naphthalene	8.467	128	41017	200.00	ppb	100
8) Hexachlorobutadiene	8.622	225	6001	200.00	ppb	100
9) 2-Methylnaphthalene	9.017	141	22704	200.00	ppb	100
10) 1-Methylnaphthalene	9.105	141	21857	200.00	ppb	100
13) Acenaphthylene	9.777	152	37852	200.00	ppb	100
14) Acenaphthene	9.942	153	25861	200.00	ppb	100
15) Fluorene	10.423	166	29213	200.00	ppb	100
16) 4,6-dinitro-2-methylph...	10.511	198	13081	1000.00	ppb	100
19) Hexachlorobenzene	11.095	284	7615	200.00	ppb	100
20) Pentachlorophenol	11.294	266	19484	1000.00	ppb	100
21) Phenanthrene	11.462	178	40833	200.00	ppb	100
22) Anthracene	11.516	178	38695	200.00	ppb	100
23) Fluoranthene	13.010	202	42748	200.00	ppb	100
24) Pyrene	13.318	202	43431	200.00	ppb	100
26) Benzo[a]anthracene	15.100	228	31670	200.00	ppb	100
27) Chrysene	15.161	228	31880	200.00	ppb	100
29) Benzo[b]fluoranthene	16.675	252	27840	200.00	ppb	100
30) Benzo[k]fluoranthene	16.709	252	27031	200.00	ppb	100
31) Benzo[a]pyrene	17.107	252	25674	200.00	ppb	100
32) Indeno[1,2,3-cd]pyrene	18.700	276	20961	200.00	ppb	100
33) Dibenz[a,h]anthracene	18.731	278	19833	200.00	ppb	100
34) Benzo[g,h,i]perylene	19.091	276	20381	200.00	ppb	100

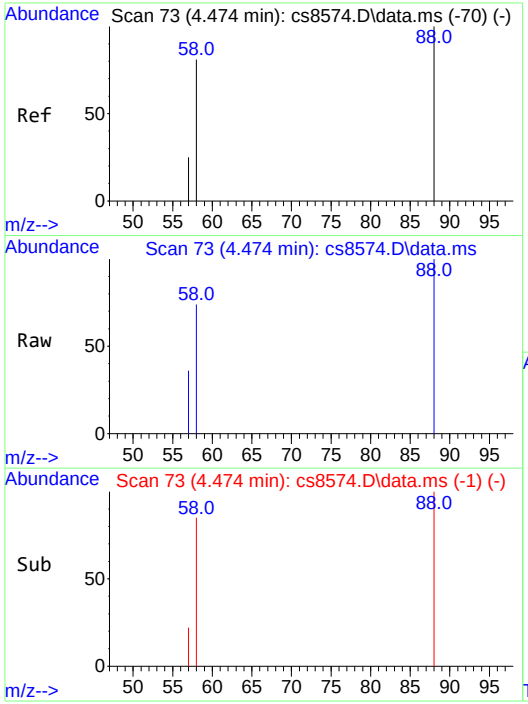
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8574.D
Acq On : 17 Sep 2025 02:09 pm
Operator : rocquans
Sample : icc446-0.2
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Sep 17 16:36:31 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration

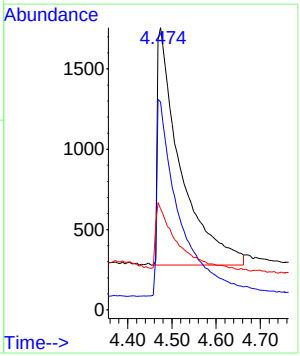


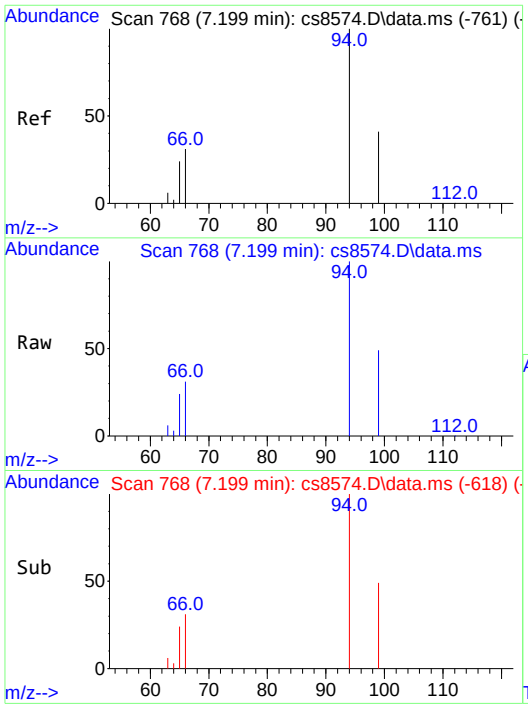


#2
1,4-Dioxane
Concen: 200.00 ppb
RT: 4.474 min Scan# 73
Delta R.T. 0.000 min
Lab File: cs8574.D
Acq: 17 Sep 2025 02:09 pm

Tgt Ion: 88 Resp: 5319

Ion	Ratio	Lower	Upper
88	100		
58	81.3	61.3	101.3
57	25.8	5.8	45.8

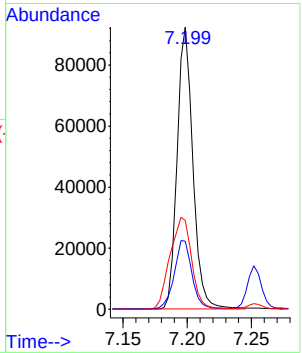


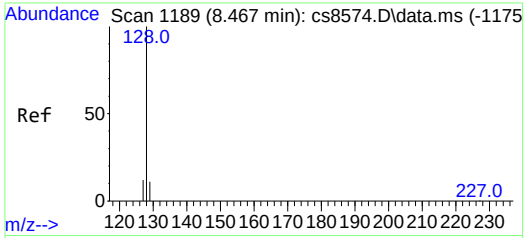


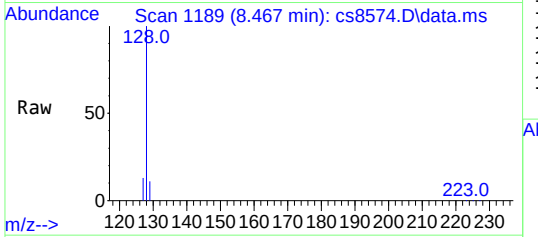
#5
Phenol
Concen: 1000.00 ppb
RT: 7.199 min Scan# 768
Delta R.T. 0.000 min
Lab File: cs8574.D
Acq: 17 Sep 2025 02:09 pm

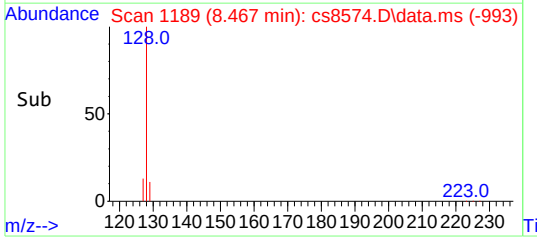
Tgt Ion: 94 Resp: 78511

Ion	Ratio	Lower	Upper
94	100		
65	21.2	17.0	25.4
66	30.8	24.6	37.0





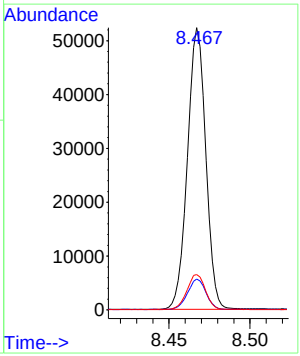


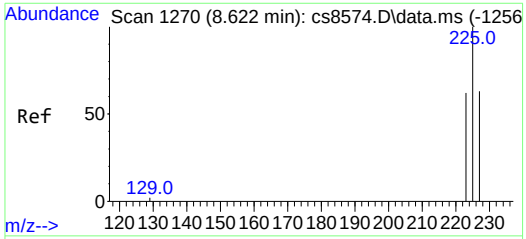


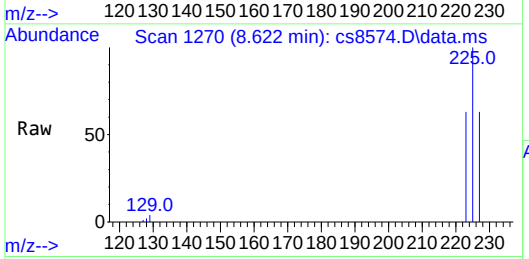
#7
Naphthalene
Concen: 200.00 ppb
RT: 8.467 min Scan# 1189
Delta R.T. 0.000 min
Lab File: cs8574.D
Acq: 17 Sep 2025 02:09 pm

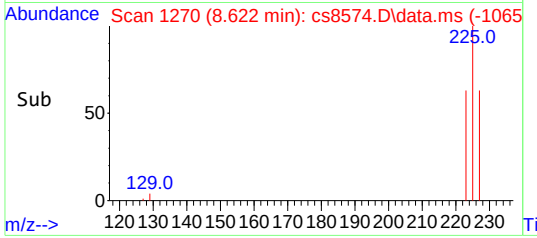
Tgt Ion:128 Resp: 41017

Ion	Ratio	Lower	Upper
128	100		
129	10.8	0.0	40.8
127	12.4	0.0	42.4





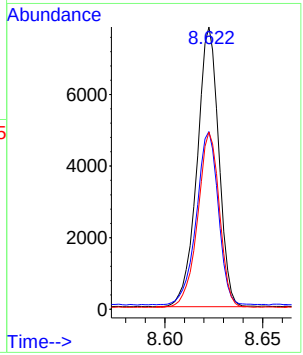


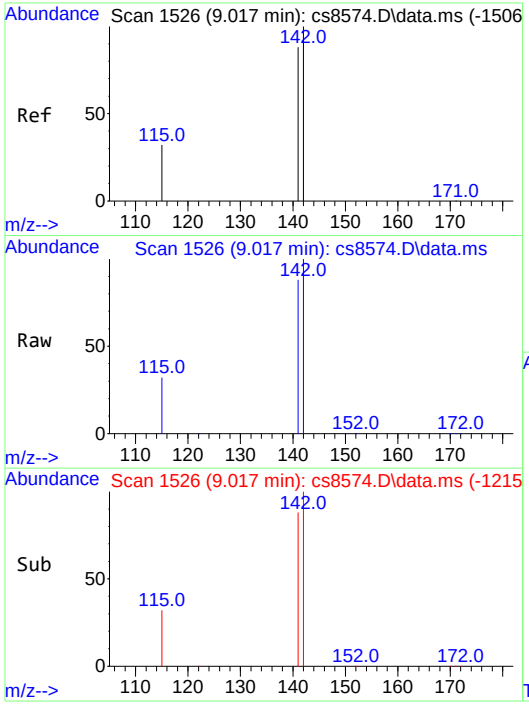


#8
Hexachlorobutadiene
Concen: 200.00 ppb
RT: 8.622 min Scan# 1270
Delta R.T. 0.000 min
Lab File: cs8574.D
Acq: 17 Sep 2025 02:09 pm

Tgt Ion:225 Resp: 6001

Ion	Ratio	Lower	Upper
225	100		
223	61.8	31.8	91.8
227	62.6	32.6	92.6

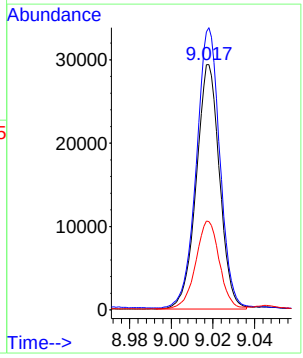


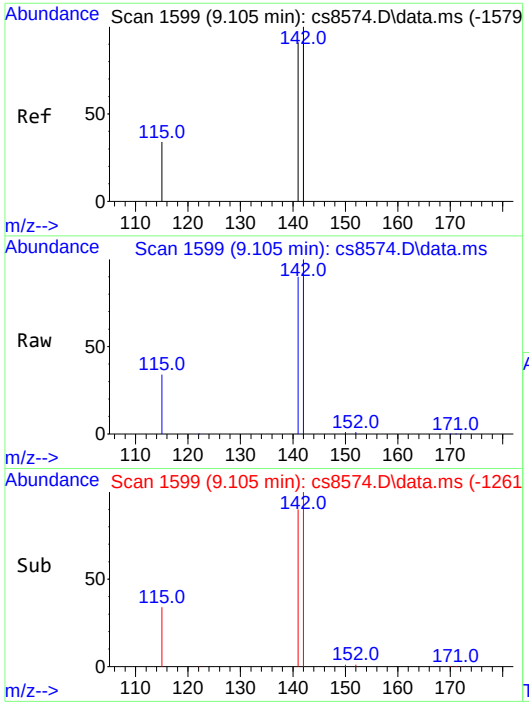


#9
2-Methylnaphthalene
Concen: 200.00 ppb
RT: 9.017 min Scan# 1526
Delta R.T. 0.000 min
Lab File: cs8574.D
Acq: 17 Sep 2025 02:09 pm

Tgt Ion:141 Resp: 22704

Ion	Ratio	Lower	Upper
141	100		
142	113.1	83.1	143.1
115	35.8	5.8	65.8

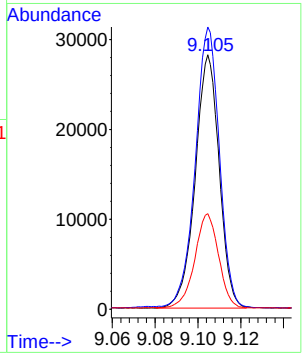


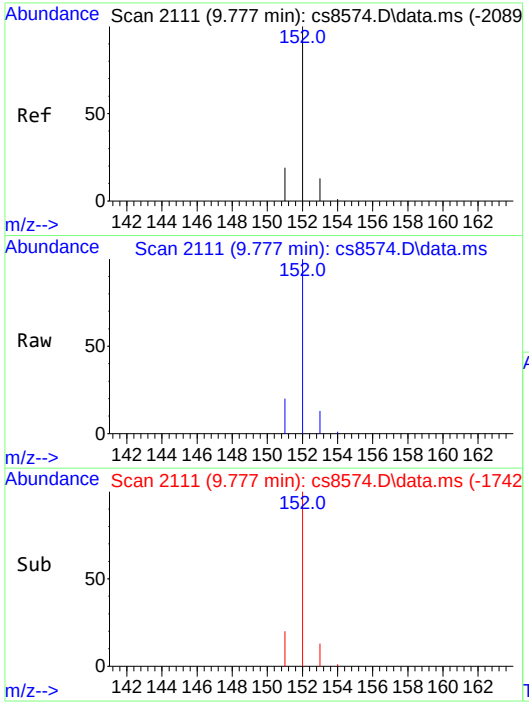


#10
1-Methylnaphthalene
Concen: 200.00 ppb
RT: 9.105 min Scan# 1599
Delta R.T. 0.000 min
Lab File: cs8574.D
Acq: 17 Sep 2025 02:09 pm

Tgt Ion:141 Resp: 21857

Ion	Ratio	Lower	Upper
141	100		
142	110.8	80.8	140.8
115	37.2	7.2	67.2

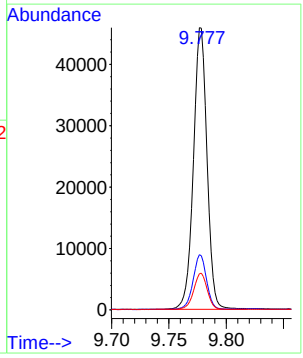


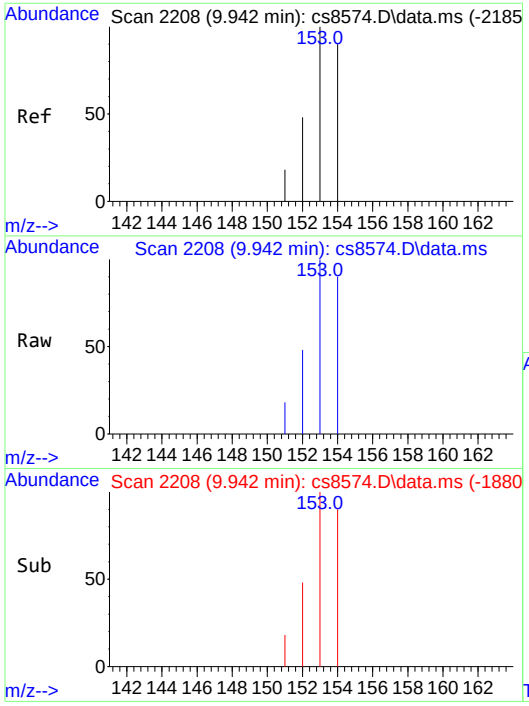


#13
Acenaphthylene
Concen: 200.00 ppb
RT: 9.777 min Scan# 2111
Delta R.T. 0.000 min
Lab File: cs8574.D
Acq: 17 Sep 2025 02:09 pm

Tgt Ion:152 Resp: 37852

Ion	Ratio	Lower	Upper
152	100		
151	19.3	0.0	49.3
153	12.7	0.0	42.7

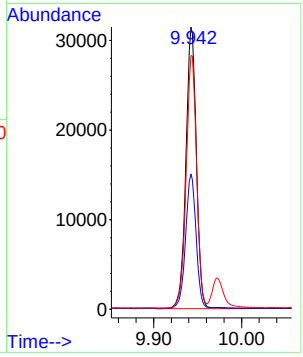


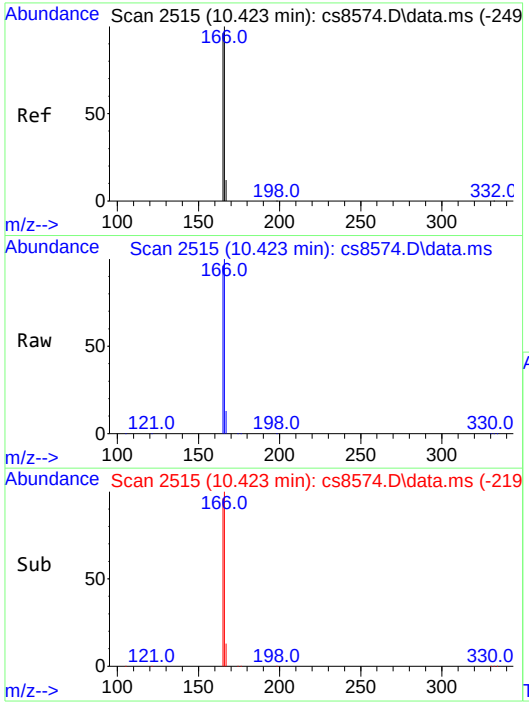


#14
Acenaphthene
Concen: 200.00 ppb
RT: 9.942 min Scan# 2208
Delta R.T. 0.000 min
Lab File: cs8574.D
Acq: 17 Sep 2025 02:09 pm

Tgt Ion:153 Resp: 25861

Ion	Ratio	Lower	Upper
153	100		
152	47.7	17.7	77.7
154	89.5	59.5	119.5

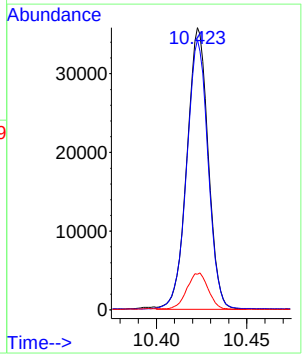


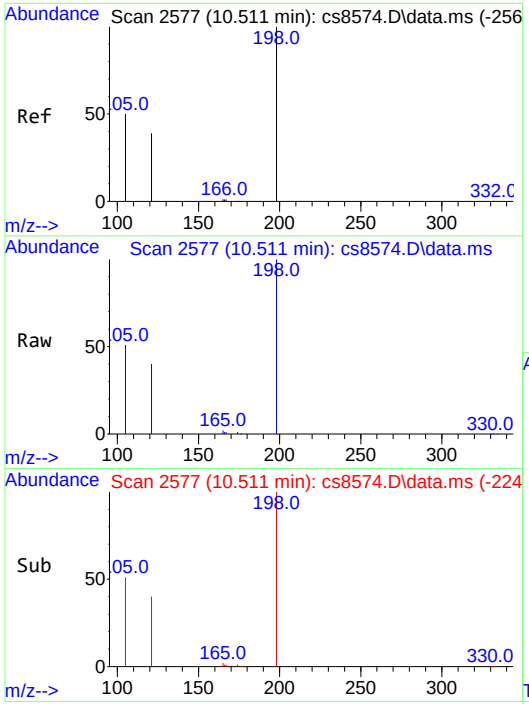


#15
Fluorene
Concen: 200.00 ppb
RT: 10.423 min Scan# 2515
Delta R.T. 0.000 min
Lab File: cs8574.D
Acq: 17 Sep 2025 02:09 pm

Tgt Ion:166 Resp: 29213

Ion	Ratio	Lower	Upper
166	100		
165	95.7	65.7	125.7
167	12.4	0.0	42.4

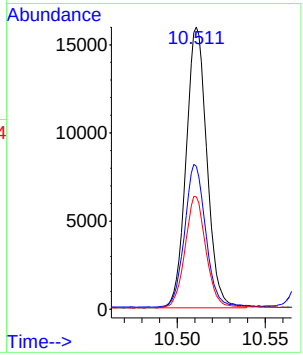


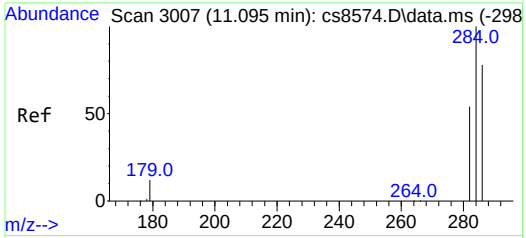


#16
4,6-dinitro-2-methylphenol
Concen: 1000.00 ppb
RT: 10.511 min Scan# 2577
Delta R.T. -0.000 min
Lab File: cs8574.D
Acq: 17 Sep 2025 02:09 pm

Tgt Ion:198 Resp: 13081

Ion	Ratio	Lower	Upper
198	100		
105	49.9	29.9	69.9
121	39.3	19.3	59.3

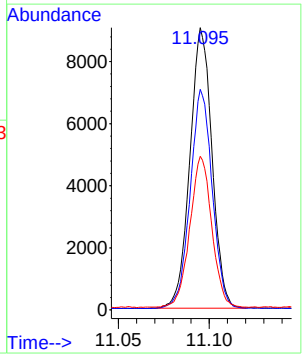


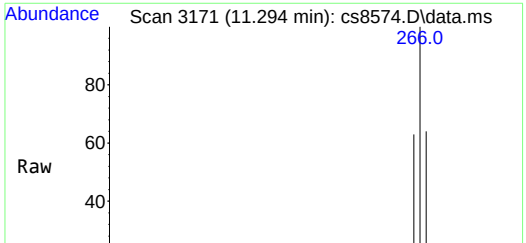


#19
Hexachlorobenzene
Concen: 200.00 ppb
RT: 11.095 min Scan# 3007
Delta R.T. 0.000 min
Lab File: cs8574.D
Acq: 17 Sep 2025 02:09 pm

Tgt Ion:284 Resp: 7615

Ion	Ratio	Lower	Upper
284	100		
286	78.0	48.0	108.0
282	53.8	23.8	83.8

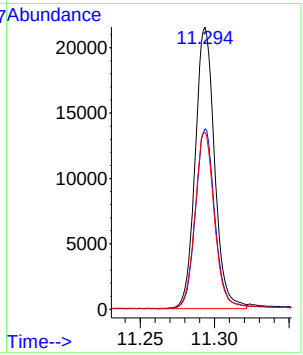


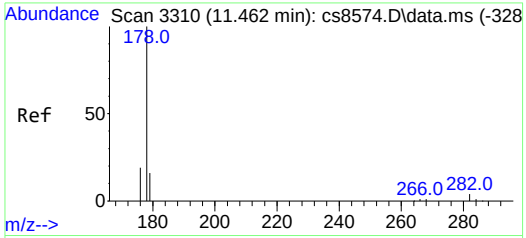


#20
Pentachlorophenol
Concen: 1000.00 ppb
RT: 11.294 min Scan# 3171
Delta R.T. 0.000 min
Lab File: cs8574.D
Acq: 17 Sep 2025 02:09 pm

Tgt Ion:266 Resp: 19484

Ion	Ratio	Lower	Upper
266	100		
268	63.1	43.1	83.1
264	63.0	43.0	83.0

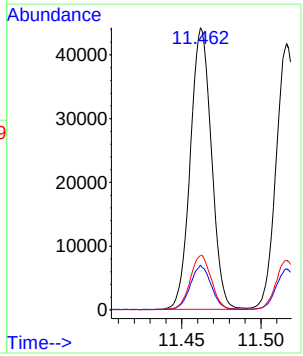


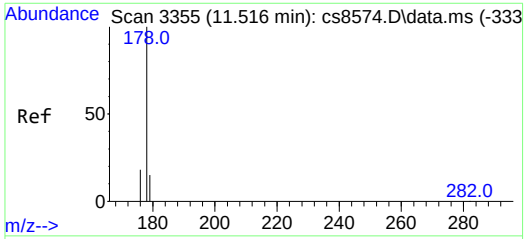


#21
Phenanthrene
Concen: 200.00 ppb
RT: 11.462 min Scan# 3310
Delta R.T. 0.000 min
Lab File: cs8574.D
Acq: 17 Sep 2025 02:09 pm

Tgt Ion:178 Resp: 40833

Ion	Ratio	Lower	Upper
178	100		
179	15.7	0.0	45.7
176	19.2	0.0	49.2

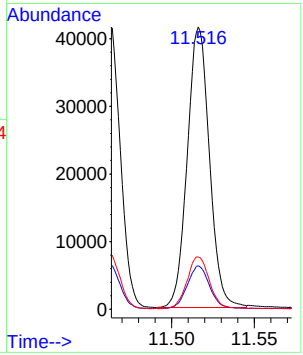


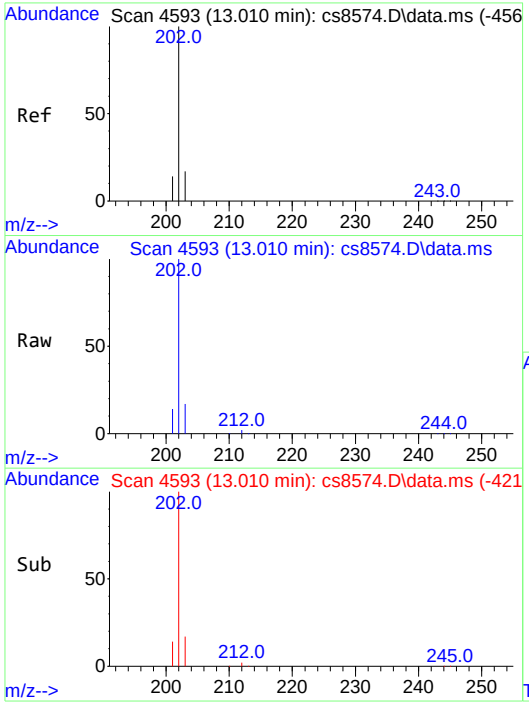


#22
Anthracene
Concen: 200.00 ppb
RT: 11.516 min Scan# 3355
Delta R.T. 0.000 min
Lab File: cs8574.D
Acq: 17 Sep 2025 02:09 pm

Tgt Ion:178 Resp: 38695

Ion	Ratio	Lower	Upper
178	100		
179	15.2	0.0	45.2
176	18.4	0.0	48.4

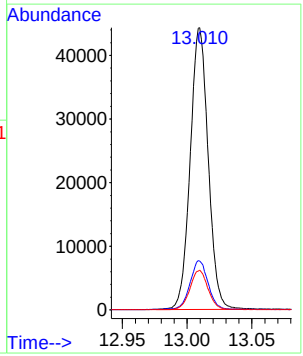


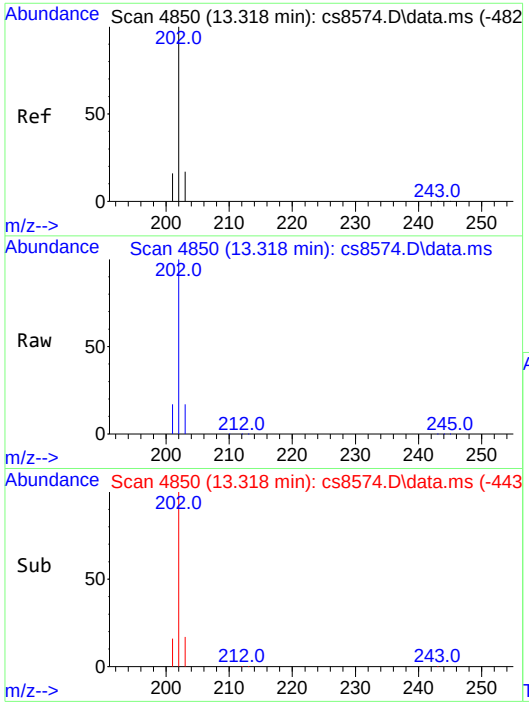


#23
Fluoranthene
Concen: 200.00 ppb
RT: 13.010 min Scan# 4593
Delta R.T. 0.000 min
Lab File: cs8574.D
Acq: 17 Sep 2025 02:09 pm

Tgt Ion:202 Resp: 42748

Ion	Ratio	Lower	Upper
202	100		
203	17.2	0.0	47.2
201	14.0	0.0	44.0

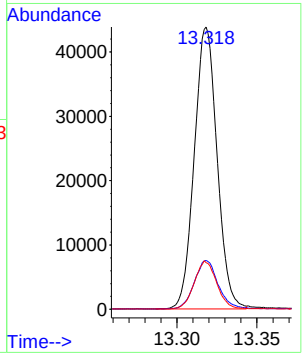


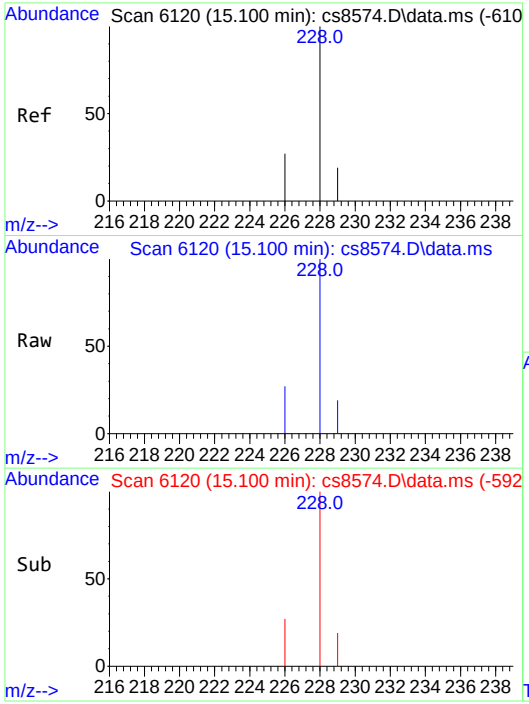


#24
Pyrene
Concen: 200.00 ppb
RT: 13.318 min Scan# 4850
Delta R.T. 0.000 min
Lab File: cs8574.D
Acq: 17 Sep 2025 02:09 pm

Tgt Ion:202 Resp: 43431

Ion	Ratio	Lower	Upper
202	100		
203	17.1	0.0	47.1
201	16.4	0.0	46.4

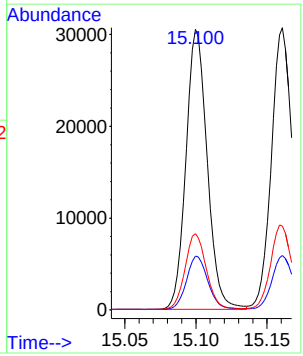


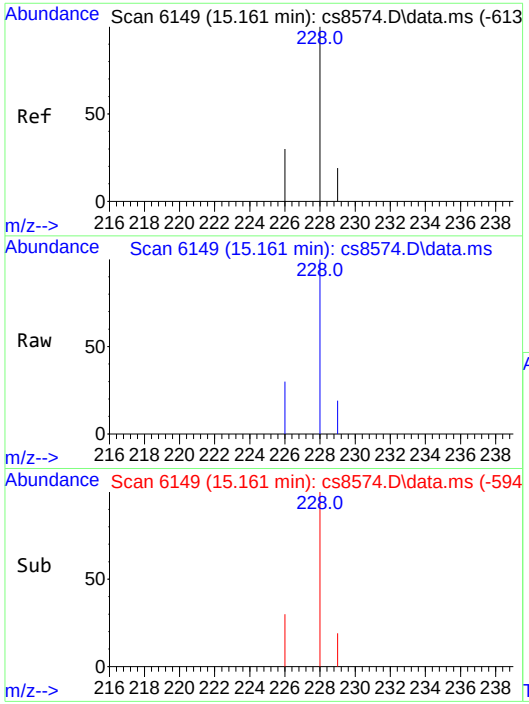


#26
Benzo[a]anthracene
Concen: 200.00 ppb
RT: 15.100 min Scan# 6120
Delta R.T. 0.000 min
Lab File: cs8574.D
Acq: 17 Sep 2025 02:09 pm

Tgt Ion:228 Resp: 31670

Ion	Ratio	Lower	Upper
228	100		
229	19.1	0.0	49.1
226	27.0	0.0	57.0

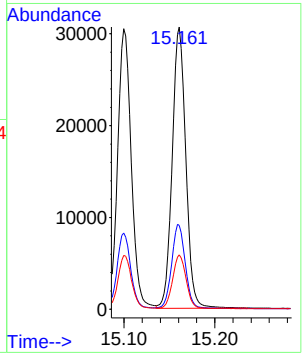


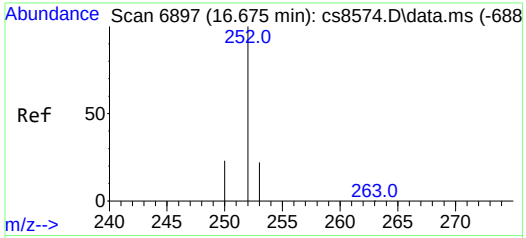


#27
Chrysene
Concen: 200.00 ppb
RT: 15.161 min Scan# 6149
Delta R.T. 0.000 min
Lab File: cs8574.D
Acq: 17 Sep 2025 02:09 pm

Tgt Ion:228 Resp: 31880

Ion	Ratio	Lower	Upper
228	100		
226	29.6	0.0	59.6
229	19.1	0.0	49.1

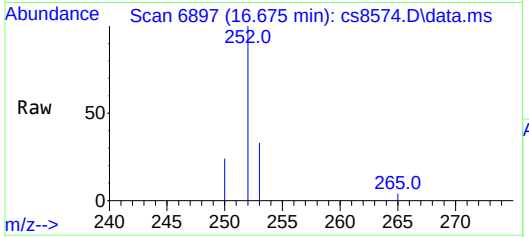


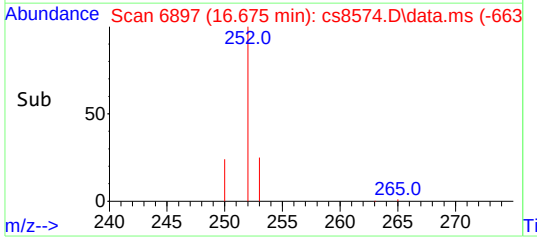


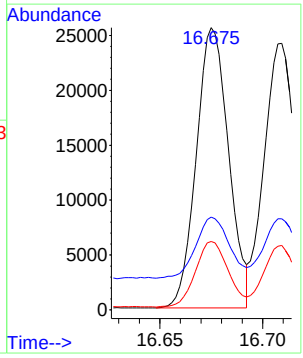
#29
Benzo[b]fluoranthene
Concen: 200.00 ppb
RT: 16.675 min Scan# 6897
Delta R.T. 0.000 min
Lab File: cs8574.D
Acq: 17 Sep 2025 02:09 pm

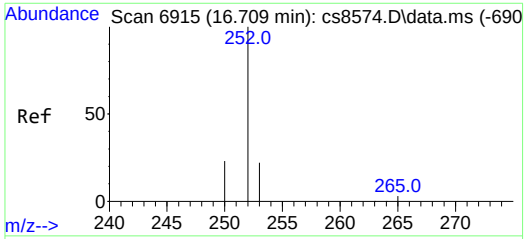
Tgt Ion:252 Resp: 27840

Ion	Ratio	Lower	Upper
252	100		
253	21.5	0.0	51.5
250	23.4	0.0	53.4





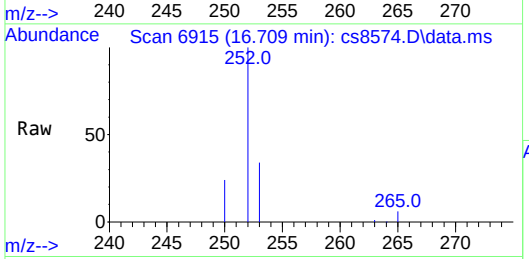


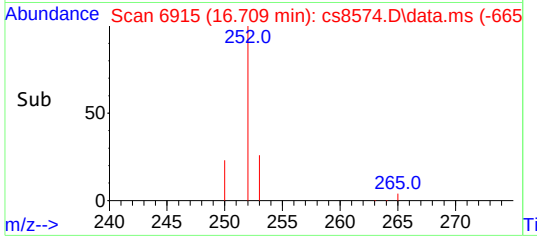


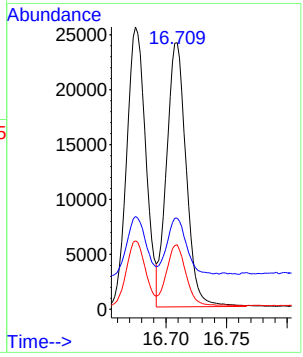
#30
Benzo[k]fluoranthene
Concen: 200.00 ppb
RT: 16.709 min Scan# 6915
Delta R.T. 0.000 min
Lab File: cs8574.D
Acq: 17 Sep 2025 02:09 pm

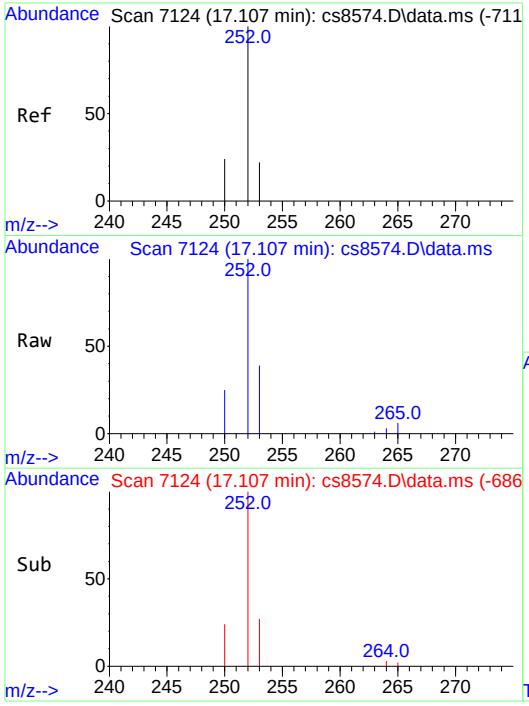
Tgt Ion:252 Resp: 27031

Ion	Ratio	Lower	Upper
252	100		
253	21.3	0.0	51.3
250	23.2	0.0	53.2





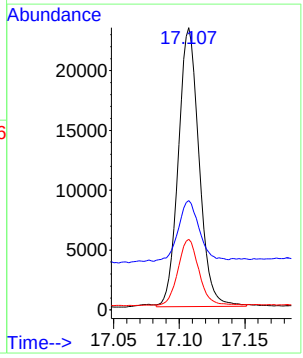


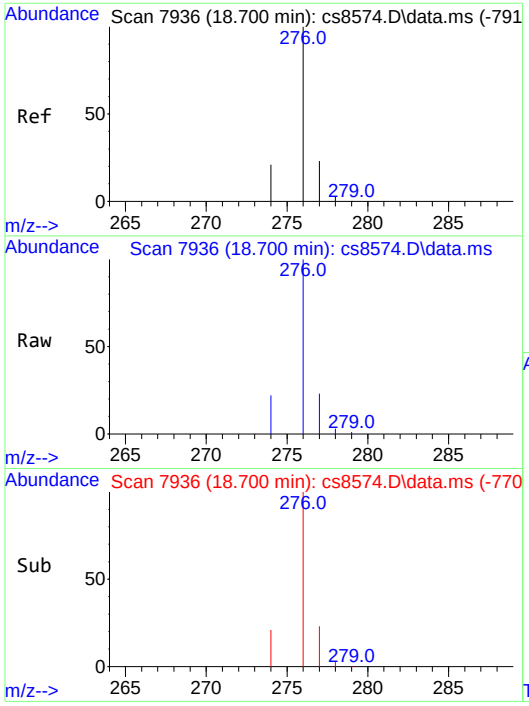


#31
Benzo[a]pyrene
Concen: 200.00 ppb
RT: 17.107 min Scan# 7124
Delta R.T. 0.000 min
Lab File: cs8574.D
Acq: 17 Sep 2025 02:09 pm

Tgt Ion:252 Resp: 25674

Ion	Ratio	Lower	Upper
252	100		
253	21.3	0.0	51.3
250	23.7	0.0	53.7

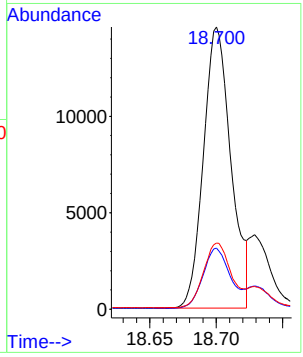


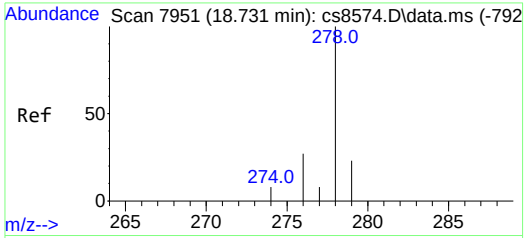


#32
Indeno[1,2,3-cd]pyrene
Concen: 200.00 ppb
RT: 18.700 min Scan# 7936
Delta R.T. 0.000 min
Lab File: cs8574.D
Acq: 17 Sep 2025 02:09 pm

Tgt Ion:276 Resp: 20961

Ion	Ratio	Lower	Upper
276	100		
274	20.4	0.0	50.4
277	22.4	0.0	52.4

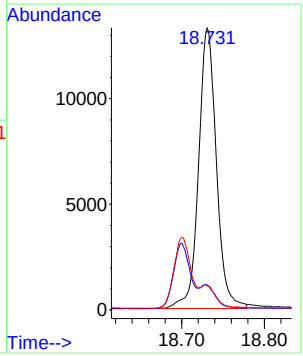


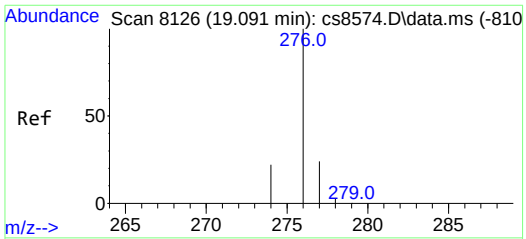


#33
Dibenz[a,h]anthracene
Concen: 200.00 ppb
RT: 18.731 min Scan# 7951
Delta R.T. 0.000 min
Lab File: cs8574.D
Acq: 17 Sep 2025 02:09 pm

Tgt Ion:278 Resp: 19833

Ion	Ratio	Lower	Upper
278	100		
274	8.4	0.0	38.4
277	7.8	0.0	37.8

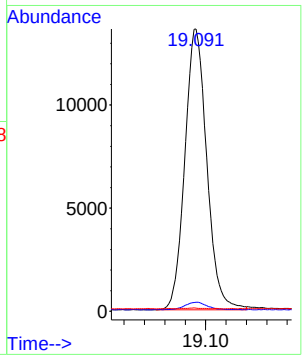




#34
Benzo[g,h,i]perylene
Concen: 200.00 ppb
RT: 19.091 min Scan# 8126
Delta R.T. 0.000 min
Lab File: cs8574.D
Acq: 17 Sep 2025 02:09 pm

Tgt Ion:276 Resp: 20381

Ion	Ratio	Lower	Upper
276	100		
278	2.6	0.0	32.6
279	0.2	0.0	30.2



Manual Integrations APPROVED (compounds with "m" flag)
Ying Li
09/18/25 10:52

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8575.D
Acq On : 17 Sep 2025 02:35 pm
Operator : rocquans
Sample : ic446-0.5
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Sep 17 16:37:09 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	9.077	150	56583	800.00	ppb	0.00
11) Fluorene-d10	10.394	176	73302	800.00	ppb	0.00
18) Fluoranthene-d10	12.985	212	109470	800.00	ppb	0.00
28) Benzo(a)pyrene-d12	17.075	264	60379	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	6.260	112	555532	9393.11	ppb	0.00
Spiked Amount 10000.000			Recovery = 93.93%			
4) Phenol-d5	7.188	99	650257	9506.93	ppb	0.00
Spiked Amount 10000.000			Recovery = 95.07%			
6) Nitrobenzene-d5	7.887	82	522478	9406.44	ppb	0.00
Spiked Amount 10000.000			Recovery = 94.06%			
12) 2-Fluorobiphenyl	9.332	172	1117247	9122.10	ppb	0.00
Spiked Amount 10000.000			Recovery = 91.22%			
17) 2,4,6-Tribromophenol	10.687	330	138817	10004.08	ppb	0.00
Spiked Amount 10000.000			Recovery = 100.04%			
25) Terphenyl-d14	13.594	244	765497	9214.35	ppb	0.00
Spiked Amount 10000.000			Recovery = 92.14%			
Target Compounds						Qvalue
2) 1,4-Dioxane	4.442	88	13533	516.06	ppb	99
5) Phenol	7.198	94	182784	2361.09	ppb	97
7) Naphthalene	8.467	128	99500	492.03	ppb	100
8) Hexachlorobutadiene	8.622	225	14392	486.44	ppb	99
9) 2-Methylnaphthalene	9.018	141	55412	495.04	ppb	99
10) 1-Methylnaphthalene	9.104	141	53041	492.22	ppb	100
13) Acenaphthylene	9.778	152	94126	505.22	ppb	100
14) Acenaphthene	9.944	153	62116	488.00	ppb	99
15) Fluorene	10.423	166	71568	497.74	ppb	100
16) 4,6-dinitro-2-methylph...	10.512	198	43390	3369.61	ppb	95
19) Hexachlorobenzene	11.095	284	18647	500.38	ppb	98
20) Pentachlorophenol	11.294	266	57986	3040.70	ppb	100
21) Phenanthrene	11.462	178	99951	500.19	ppb	99
22) Anthracene	11.516	178	97165	513.11	ppb	100
23) Fluoranthene	13.009	202	103962	496.96	ppb	100
24) Pyrene	13.318	202	105765	497.62	ppb	100
26) Benzo[a]anthracene	15.100	228	77310	498.82	ppb	100
27) Chrysene	15.161	228	76305	489.10	ppb	100
29) Benzo[b]fluoranthene	16.675	252	66583	494.86	ppb	100
30) Benzo[k]fluoranthene	16.707	252	64850	496.40	ppb	100
31) Benzo[a]pyrene	17.105	252	61941	499.20	ppb	100
32) Indeno[1,2,3-cd]pyrene	18.698	276	50325m	496.77	ppb	
33) Dibenz[a,h]anthracene	18.729	278	49183	513.11	ppb	100
34) Benzo[g,h,i]perylene	19.087	276	49113	498.61	ppb	100

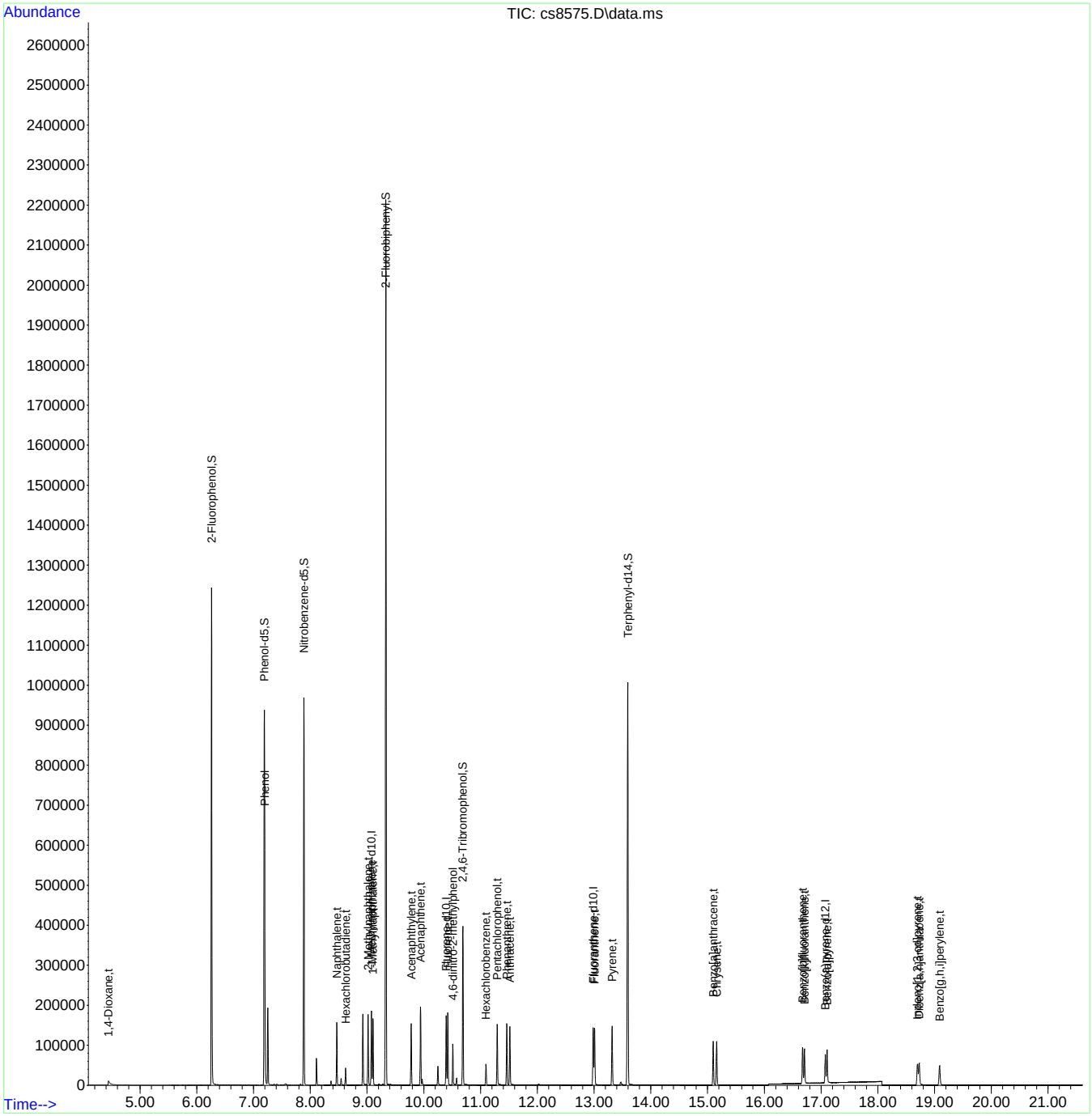
(#) = qualifier out of range (m) = manual integration (+) = signals summed

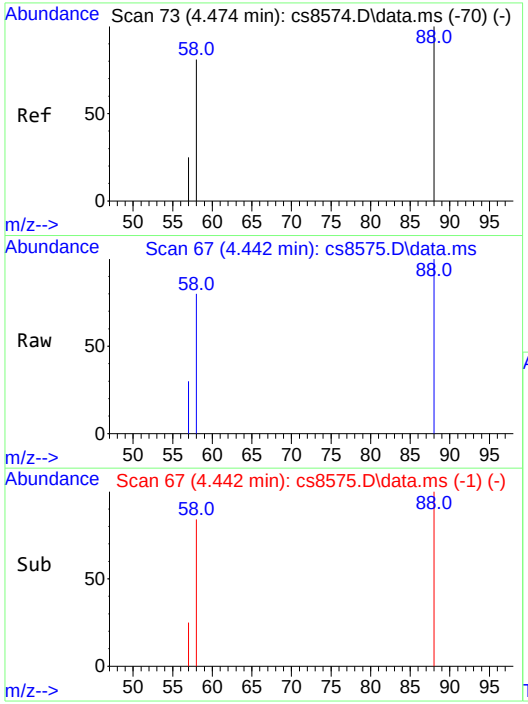
9.6.8

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8575.D
Acq On : 17 Sep 2025 02:35 pm
Operator : rocquans
Sample : ic446-0.5
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Sep 17 16:37:09 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration

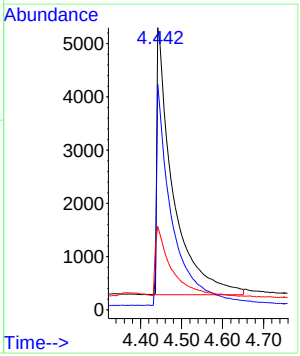


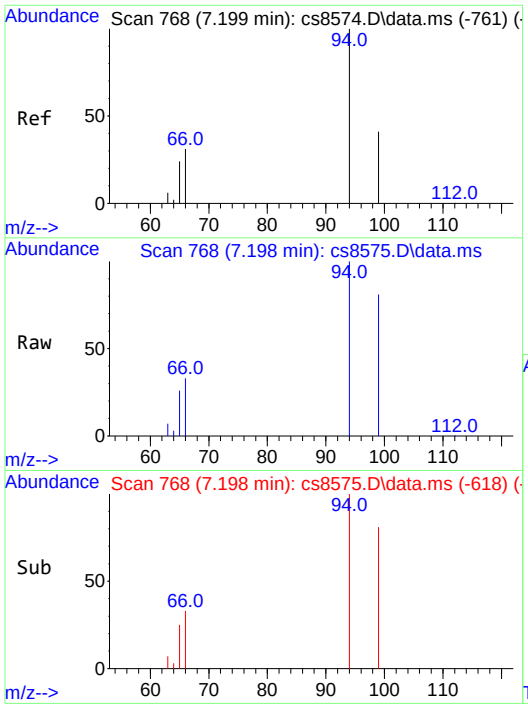


#2
1,4-Dioxane
Concen: 516.06 ppb
RT: 4.442 min Scan# 67
Delta R.T. -0.032 min
Lab File: cs8575.D
Acq: 17 Sep 2025 02:35 pm

Tgt Ion: 88 Resp: 13533

Ion	Ratio	Lower	Upper
88	100		
58	82.7	61.3	101.3
57	26.4	5.8	45.8

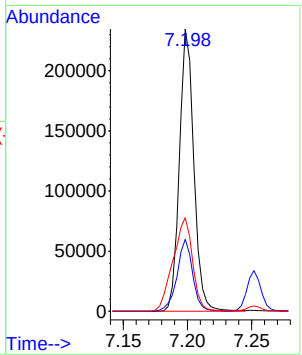


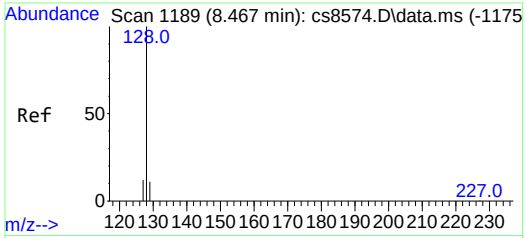


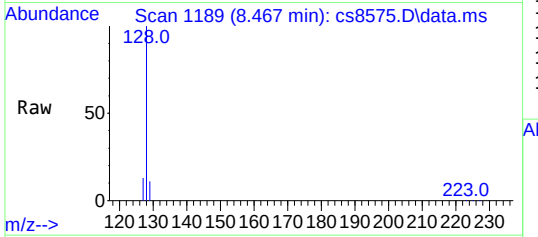
#5
Phenol
Concen: 2361.09 ppb
RT: 7.198 min Scan# 768
Delta R.T. -0.000 min
Lab File: cs8575.D
Acq: 17 Sep 2025 02:35 pm

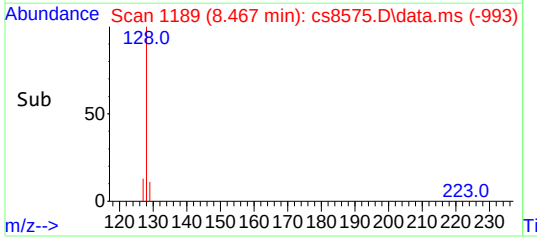
Tgt Ion: 94 Resp: 182784

Ion	Ratio	Lower	Upper
94	100		
65	22.5	17.0	25.4
66	32.7	24.6	37.0





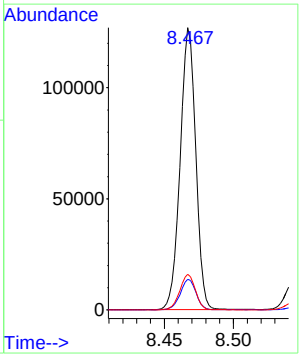


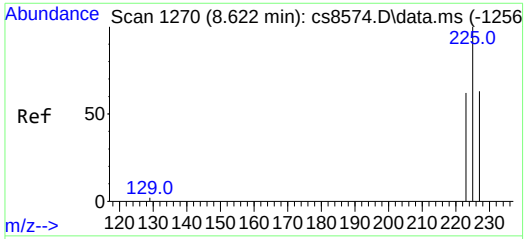


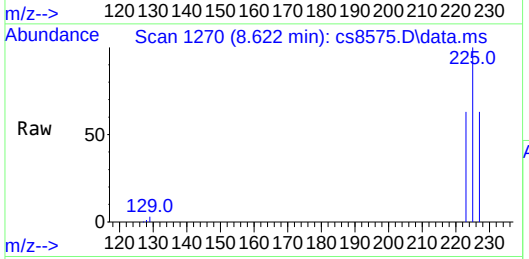
#7
Naphthalene
Concen: 492.03 ppb
RT: 8.467 min Scan# 1189
Delta R.T. -0.000 min
Lab File: cs8575.D
Acq: 17 Sep 2025 02:35 pm

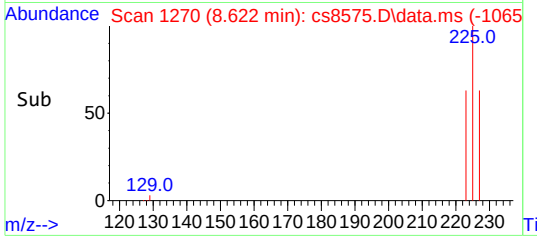
Tgt Ion:128 Resp: 99500

Ion	Ratio	Lower	Upper
128	100		
129	10.8	0.0	40.8
127	12.5	0.0	42.4





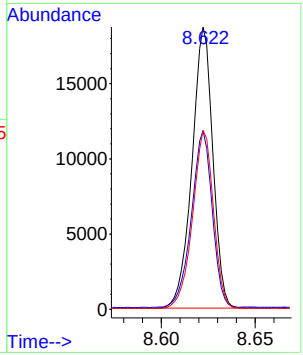


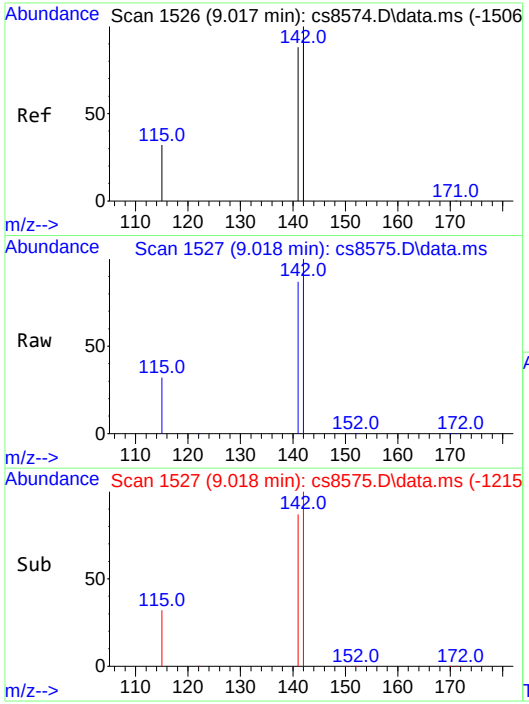


#8
Hexachlorobutadiene
Concen: 486.44 ppb
RT: 8.622 min Scan# 1270
Delta R.T. -0.000 min
Lab File: cs8575.D
Acq: 17 Sep 2025 02:35 pm

Tgt Ion:225 Resp: 14392

Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.8	91.8
227	63.3	32.6	92.6

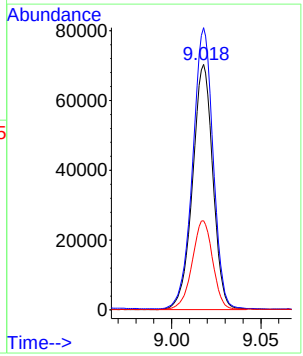


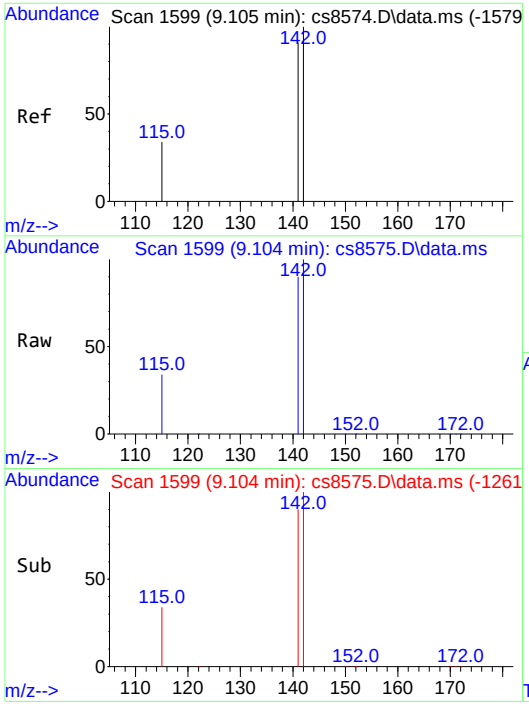


#9
2-Methylnaphthalene
Concen: 495.04 ppb
RT: 9.018 min Scan# 1527
Delta R.T. 0.001 min
Lab File: cs8575.D
Acq: 17 Sep 2025 02:35 pm

Tgt Ion:141 Resp: 55412

Ion	Ratio	Lower	Upper
141	100		
142	114.8	83.1	143.1
115	36.2	5.8	65.8

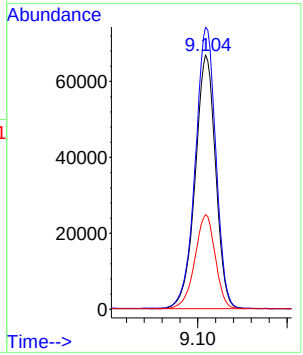


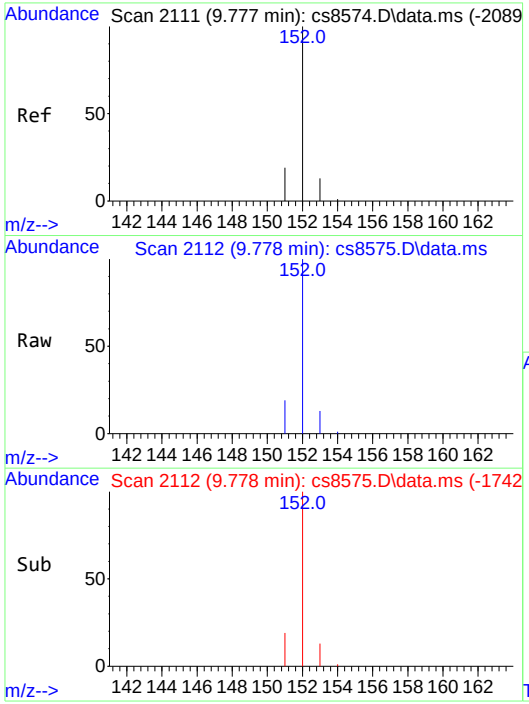


#10
1-Methylnaphthalene
Concen: 492.22 ppb
RT: 9.104 min Scan# 1599
Delta R.T. -0.000 min
Lab File: cs8575.D
Acq: 17 Sep 2025 02:35 pm

Tgt Ion:141 Resp: 53041

Ion	Ratio	Lower	Upper
141	100		
142	110.8	80.8	140.8
115	37.1	7.2	67.2

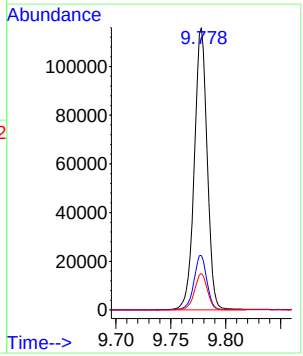


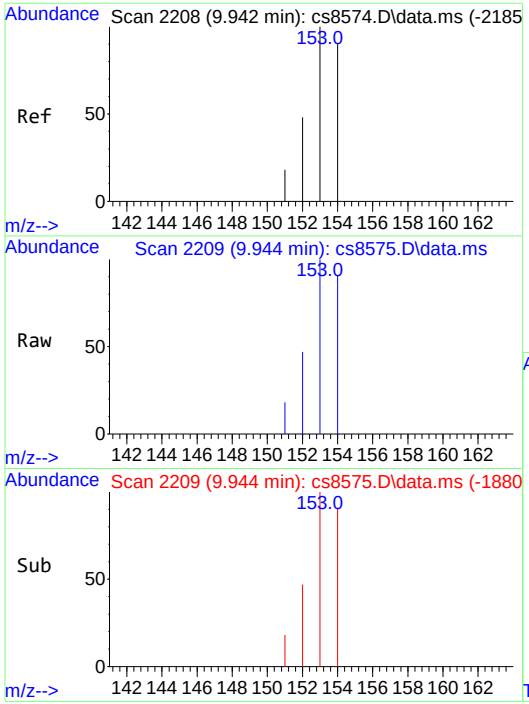


#13
Acenaphthylene
Concen: 505.22 ppb
RT: 9.778 min Scan# 2112
Delta R.T. 0.001 min
Lab File: cs8575.D
Acq: 17 Sep 2025 02:35 pm

Tgt Ion:152 Resp: 94126

Ion	Ratio	Lower	Upper
152	100		
151	19.3	0.0	49.3
153	12.8	0.0	42.7

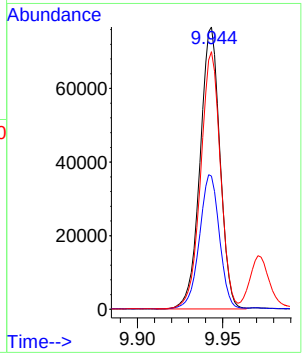


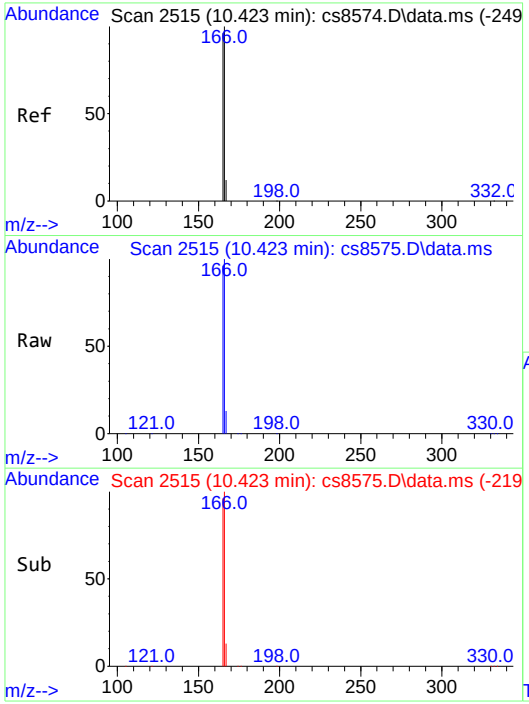


#14
Acenaphthene
Concen: 488.00 ppb
RT: 9.944 min Scan# 2209
Delta R.T. 0.001 min
Lab File: cs8575.D
Acq: 17 Sep 2025 02:35 pm

Tgt Ion:153 Resp: 62116

Ion	Ratio	Lower	Upper
153	100		
152	47.0	17.7	77.7
154	88.1	59.5	119.5

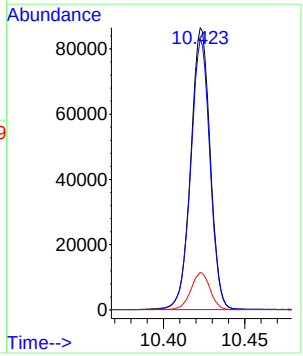


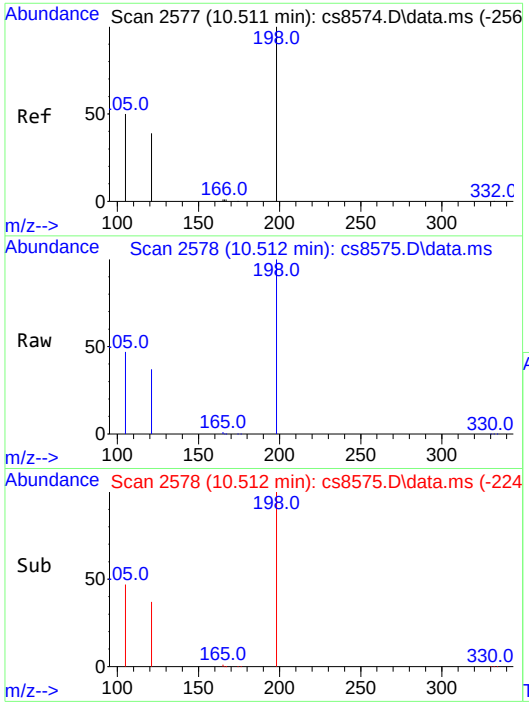


#15
Fluorene
Concen: 497.74 ppb
RT: 10.423 min Scan# 2515
Delta R.T. -0.000 min
Lab File: cs8575.D
Acq: 17 Sep 2025 02:35 pm

Tgt Ion:166 Resp: 71568

Ion	Ratio	Lower	Upper
166	100		
165	95.9	65.7	125.7
167	13.3	0.0	42.4

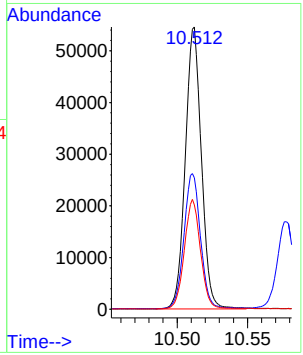


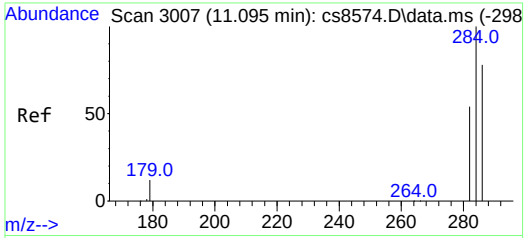


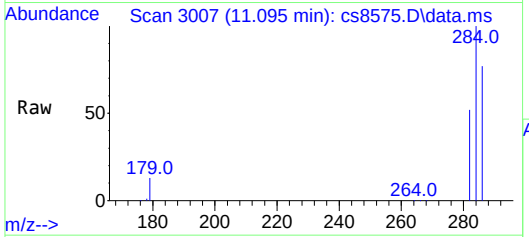
#16
4,6-dinitro-2-methylphenol
Concen: 3369.61 ppb
RT: 10.512 min Scan# 2578
Delta R.T. 0.001 min
Lab File: cs8575.D
Acq: 17 Sep 2025 02:35 pm

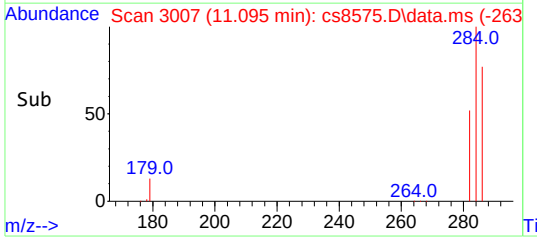
Tgt Ion:198 Resp: 43390

Ion	Ratio	Lower	Upper
198	100		
105	46.4	29.9	69.9
121	36.8	19.3	59.3





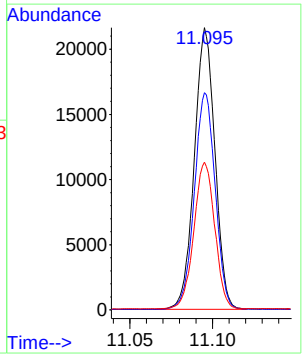


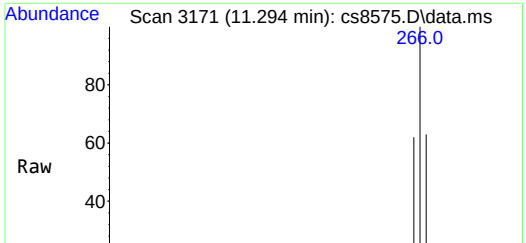


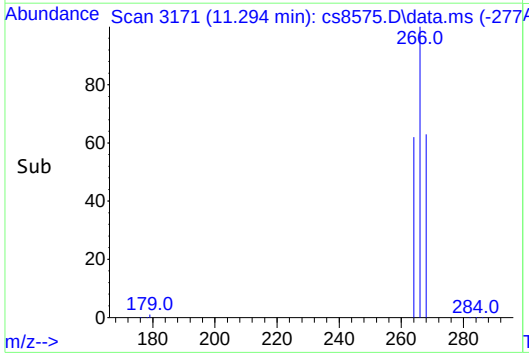
#19
Hexachlorobenzene
Concen: 500.38 ppb
RT: 11.095 min Scan# 3007
Delta R.T. 0.000 min
Lab File: cs8575.D
Acq: 17 Sep 2025 02:35 pm

Tgt Ion:284 Resp: 18647

Ion	Ratio	Lower	Upper
284	100		
286	76.8	48.0	108.0
282	52.0	23.8	83.8



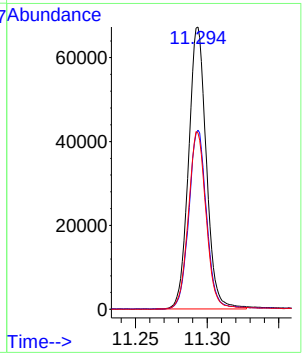


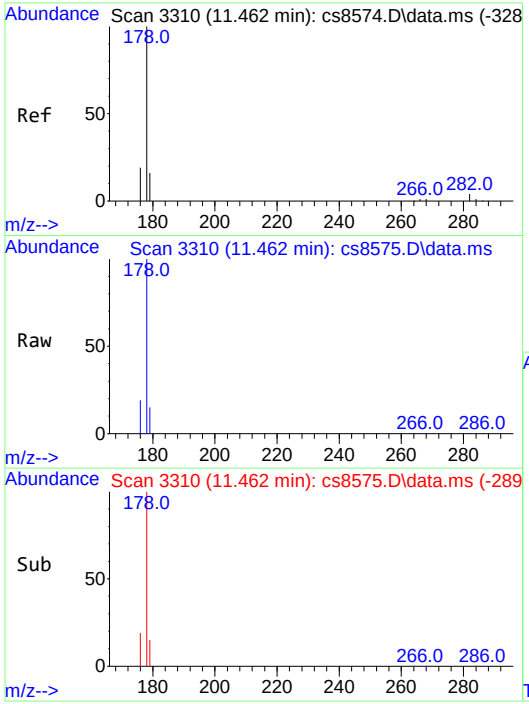


#20
Pentachlorophenol
Concen: 3040.70 ppb
RT: 11.294 min Scan# 3171
Delta R.T. 0.000 min
Lab File: cs8575.D
Acq: 17 Sep 2025 02:35 pm

Tgt Ion:266 Resp: 57986

Ion	Ratio	Lower	Upper
266	100		
268	62.9	43.1	83.1
264	62.7	43.0	83.0

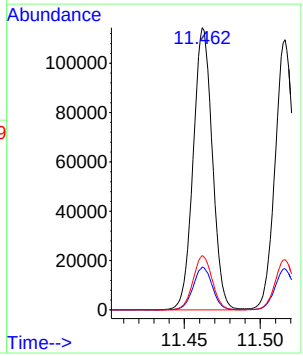


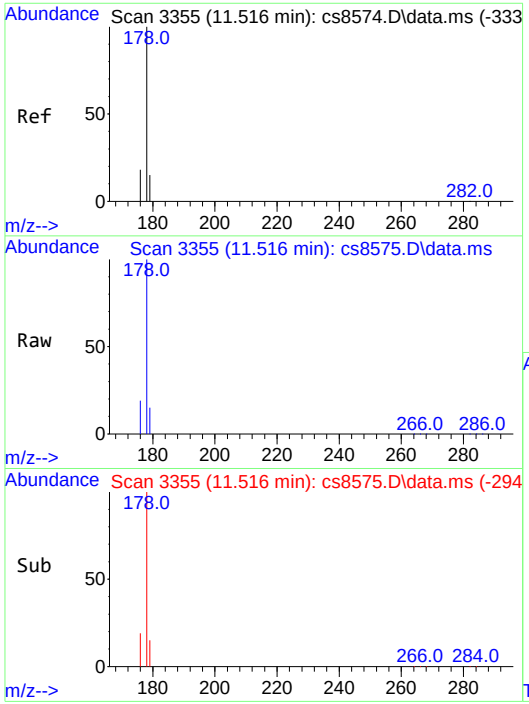


#21
Phenanthrene
Concen: 500.19 ppb
RT: 11.462 min Scan# 3310
Delta R.T. 0.000 min
Lab File: cs8575.D
Acq: 17 Sep 2025 02:35 pm

Tgt Ion:178 Resp: 99951

Ion	Ratio	Lower	Upper
178	100		
179	15.2	0.0	45.7
176	19.3	0.0	49.2

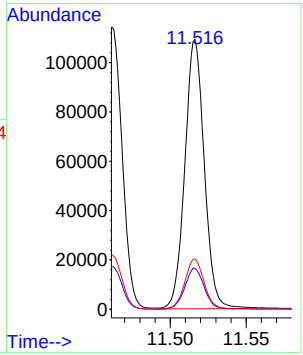


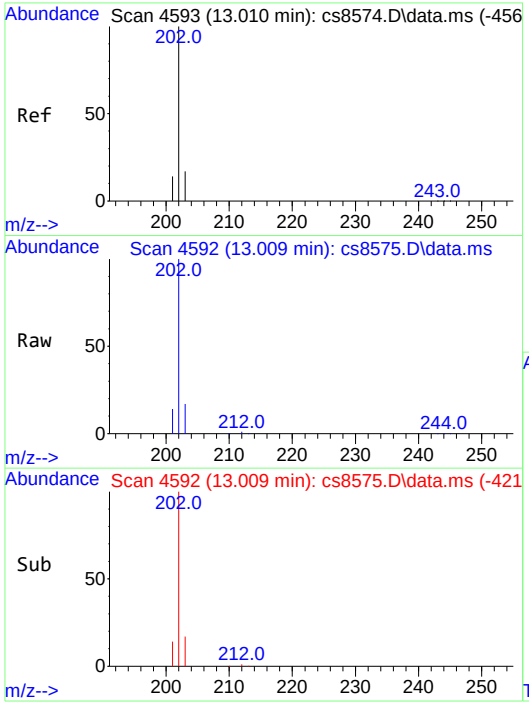


#22
Anthracene
Concen: 513.11 ppb
RT: 11.516 min Scan# 3355
Delta R.T. 0.000 min
Lab File: cs8575.D
Acq: 17 Sep 2025 02:35 pm

Tgt Ion:178 Resp: 97165

Ion	Ratio	Lower	Upper
178	100		
179	15.2	0.0	45.2
176	18.5	0.0	48.4

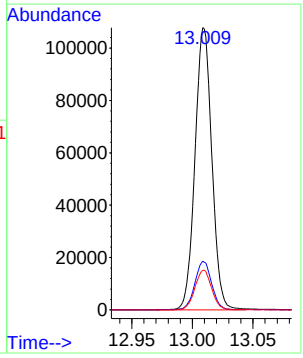


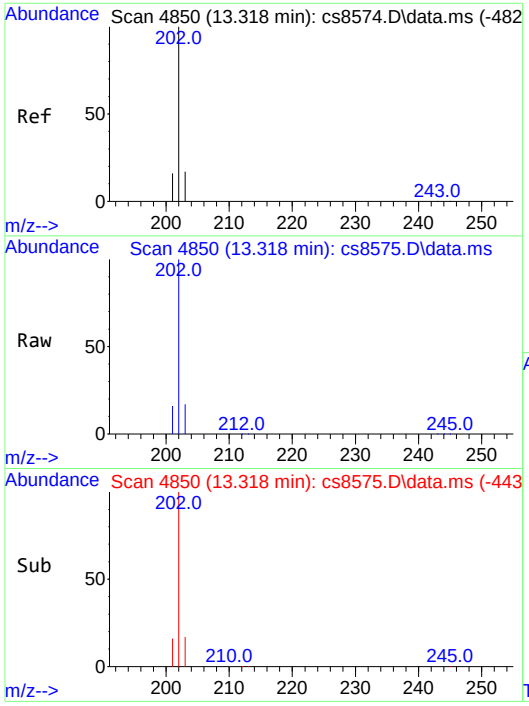


#23
Fluoranthene
Concen: 496.96 ppb
RT: 13.009 min Scan# 4592
Delta R.T. -0.001 min
Lab File: cs8575.D
Acq: 17 Sep 2025 02:35 pm

Tgt Ion:202 Resp: 103962

Ion	Ratio	Lower	Upper
202	100		
203	17.2	0.0	47.2
201	14.0	0.0	44.0

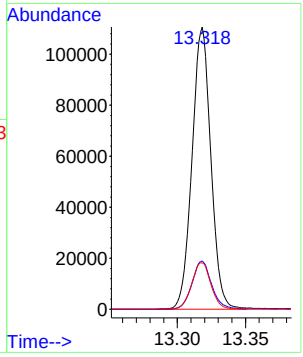


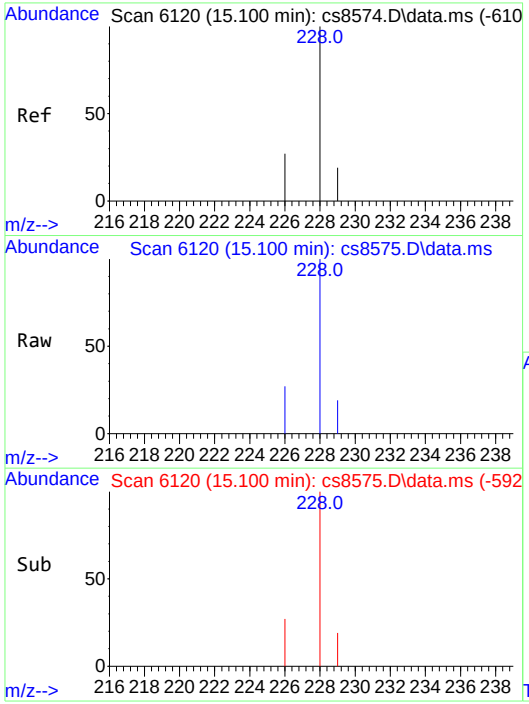


#24
Pyrene
Concen: 497.62 ppb
RT: 13.318 min Scan# 4850
Delta R.T. 0.000 min
Lab File: cs8575.D
Acq: 17 Sep 2025 02:35 pm

Tgt Ion:202 Resp: 105765

Ion	Ratio	Lower	Upper
202	100		
203	17.0	0.0	47.1
201	16.4	0.0	46.4

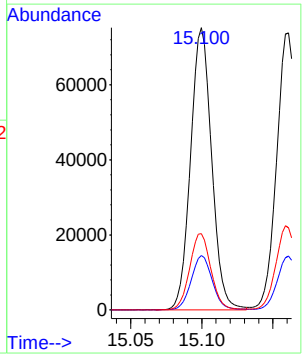


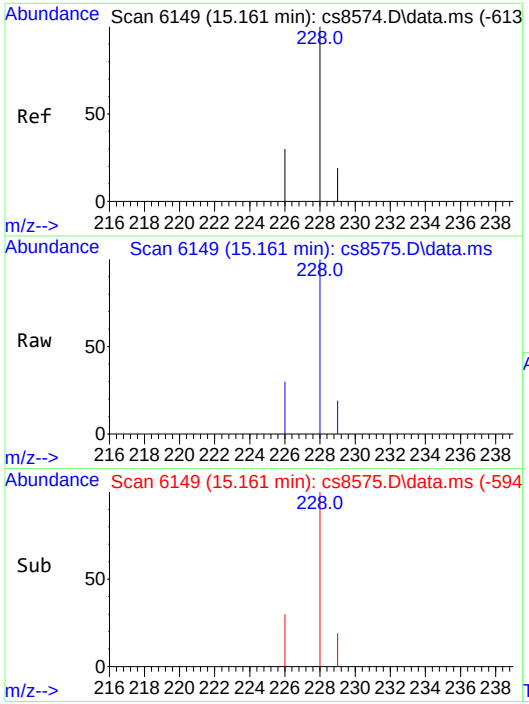


#26
Benzo[a]anthracene
Concen: 498.82 ppb
RT: 15.100 min Scan# 6120
Delta R.T. 0.000 min
Lab File: cs8575.D
Acq: 17 Sep 2025 02:35 pm

Tgt Ion:228 Resp: 77310

Ion	Ratio	Lower	Upper
228	100		
229	19.2	0.0	49.1
226	27.0	0.0	57.0

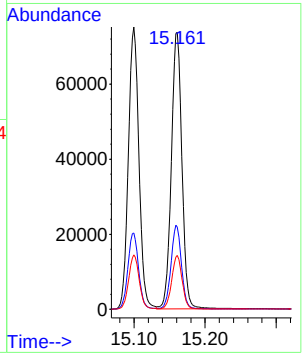


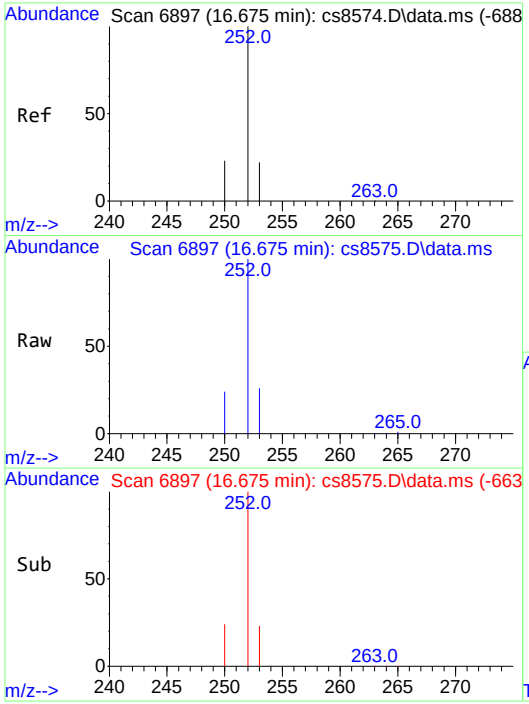


#27
Chrysene
Concen: 489.10 ppb
RT: 15.161 min Scan# 6149
Delta R.T. 0.000 min
Lab File: cs8575.D
Acq: 17 Sep 2025 02:35 pm

Tgt Ion:228 Resp: 76305

Ion	Ratio	Lower	Upper
228	100		
226	29.6	0.0	59.6
229	19.4	0.0	49.1

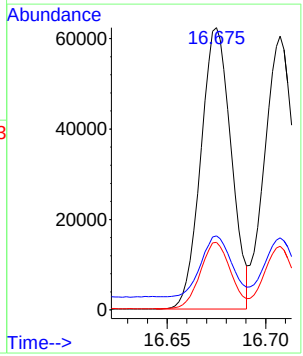


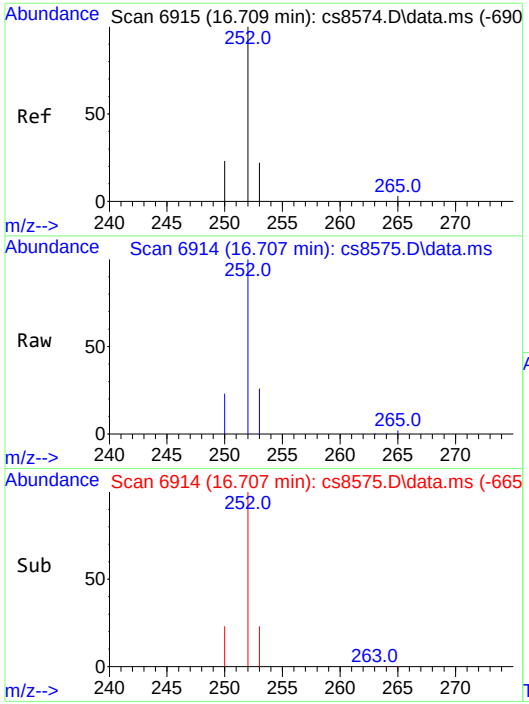


#29
Benzo[b]fluoranthene
Concen: 494.86 ppb
RT: 16.675 min Scan# 6897
Delta R.T. 0.000 min
Lab File: cs8575.D
Acq: 17 Sep 2025 02:35 pm

Tgt Ion:252 Resp: 66583

Ion	Ratio	Lower	Upper
252	100		
253	21.5	0.0	51.5
250	23.6	0.0	53.4

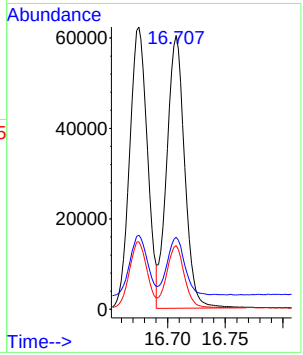


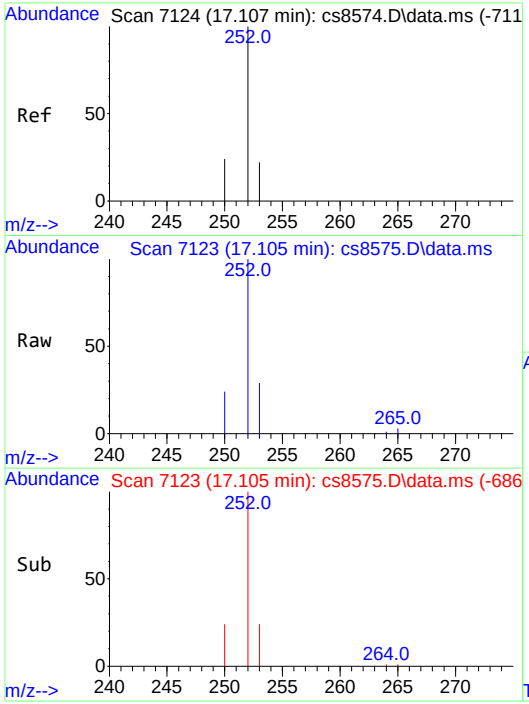


#30
Benzo[k]fluoranthene
Concen: 496.40 ppb
RT: 16.707 min Scan# 6914
Delta R.T. -0.002 min
Lab File: cs8575.D
Acq: 17 Sep 2025 02:35 pm

Tgt Ion:252 Resp: 64850

Ion	Ratio	Lower	Upper
252	100		
253	21.3	0.0	51.3
250	22.8	0.0	53.2

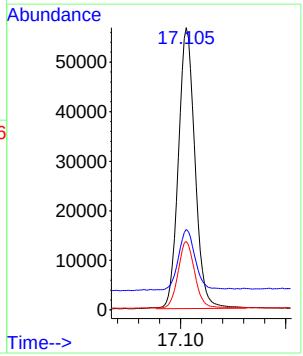


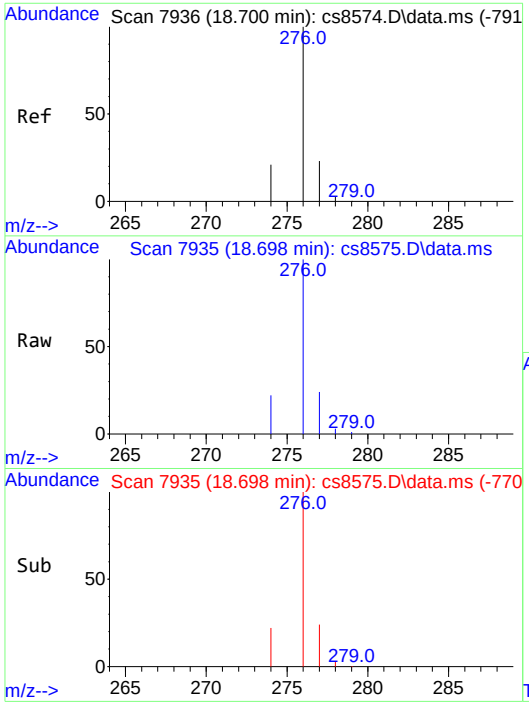


#31
Benzo[a]pyrene
Concen: 499.20 ppb
RT: 17.105 min Scan# 7123
Delta R.T. -0.002 min
Lab File: cs8575.D
Acq: 17 Sep 2025 02:35 pm

Tgt Ion:252 Resp: 61941

Ion	Ratio	Lower	Upper
252	100		
253	21.3	0.0	51.3
250	23.7	0.0	53.7

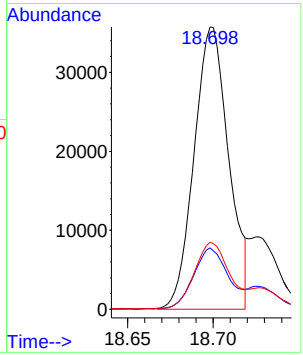


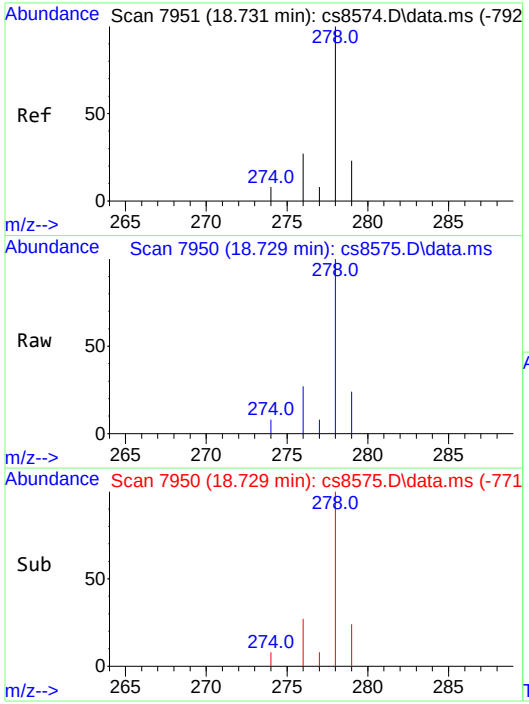


#32
Indeno[1,2,3-cd]pyrene
Concen: 496.77 ppb m
RT: 18.698 min Scan# 7935
Delta R.T. -0.002 min
Lab File: cs8575.D
Acq: 17 Sep 2025 02:35 pm

Tgt Ion:276 Resp: 50325

Ion	Ratio	Lower	Upper
276	100		
274	21.7	0.0	50.4
277	23.7	0.0	52.4

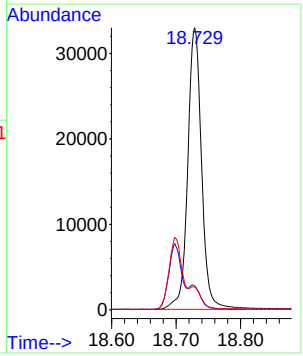


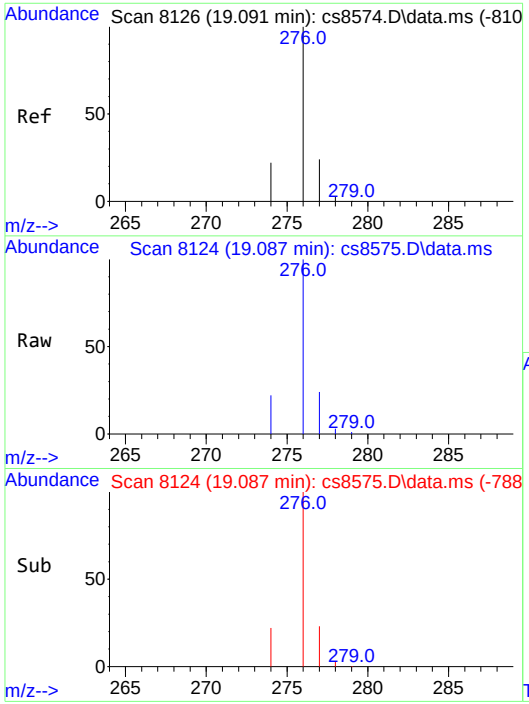


#33
Dibenz[a,h]anthracene
Concen: 513.11 ppb
RT: 18.729 min Scan# 7950
Delta R.T. -0.002 min
Lab File: cs8575.D
Acq: 17 Sep 2025 02:35 pm

Tgt Ion:278 Resp: 49183

Ion	Ratio	Lower	Upper
278	100		
274	8.2	0.0	38.4
277	7.8	0.0	37.8

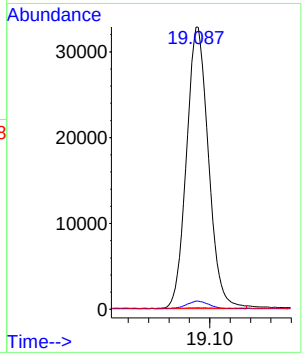




#34
Benzo[g,h,i]perylene
Concen: 498.61 ppb
RT: 19.087 min Scan# 8124
Delta R.T. -0.004 min
Lab File: cs8575.D
Acq: 17 Sep 2025 02:35 pm

Tgt Ion:276 Resp: 49113

Ion	Ratio	Lower	Upper
276	100		
278	2.7	0.0	32.6
279	0.2	0.0	30.2



Manual Integration Approval Summary

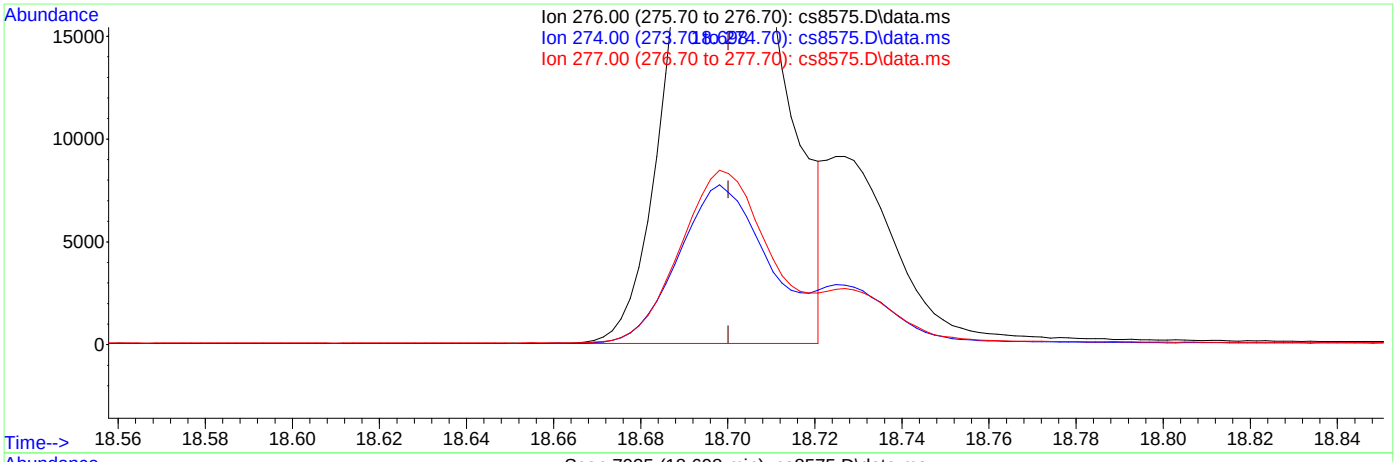
Sample Number: ECS446-IC446
Lab FileID: CS8575.D
Injection Time: 09/17/25 14:35
Method: SW846 8270E BY SIM
Analyst approved: 09/17/25 18:29 Rocquan Salters
Supervisor approved: 09/18/25 10:52 Ying Li

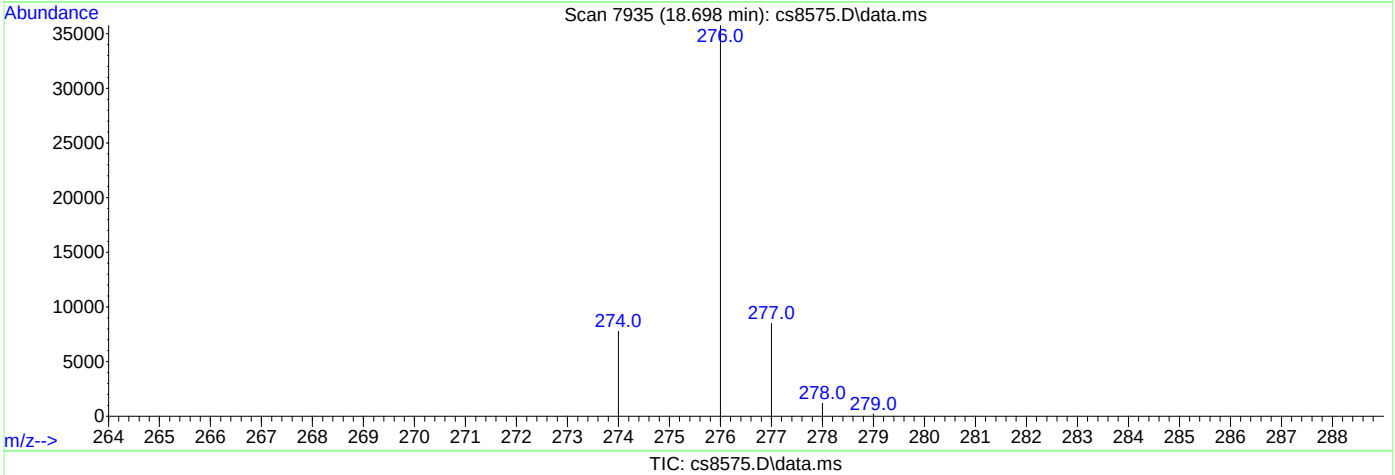
Parameter	CAS	Sig#	R.T. (min.)	Reason
Indeno(1,2,3-cd)pyrene	193-39-5		18.70	Baseline ripple

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8575.D
Acq On : 17 Sep 2025 02:35 pm
Operator : rocquans
Sample : ic446-0.5
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Sep 17 16:37:09 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration





TIC: cs8575.D\data.ms

(32) Indeno[1,2,3-cd]pyrene (t)

18.698min (-0.002) 505.91ppb

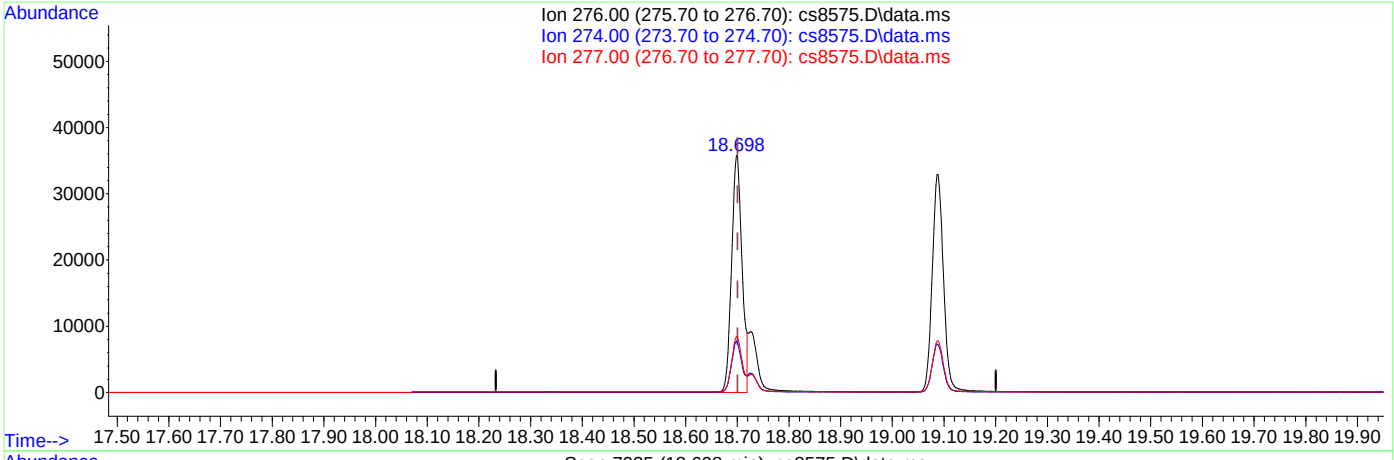
response 51250

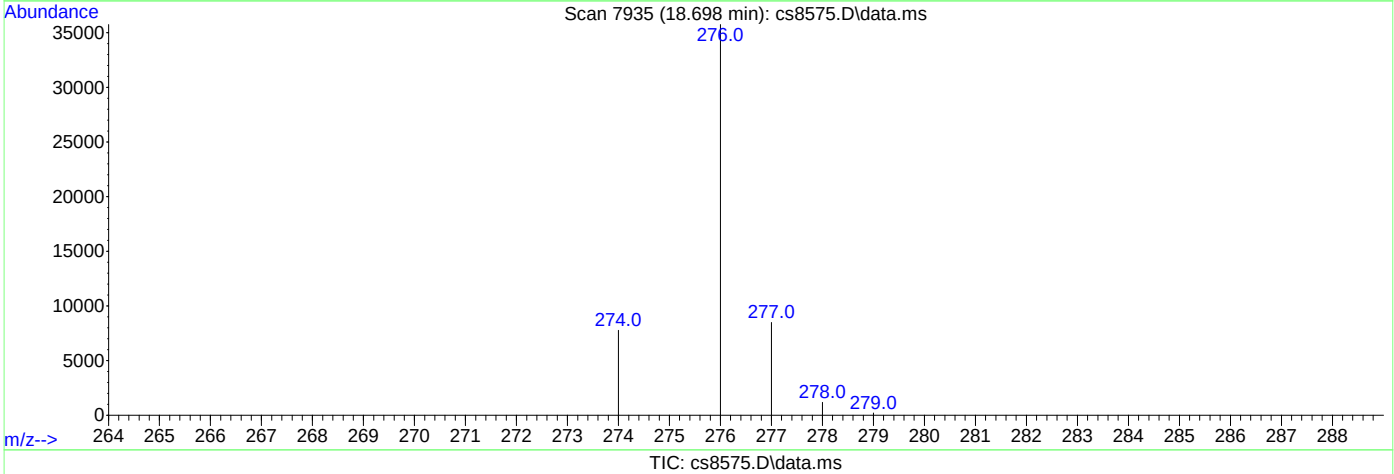
Ion	Exp%	Act%
276.00	100	100
274.00	20.40	20.51
277.00	22.40	22.97
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8575.D
Acq On : 17 Sep 2025 02:35 pm
Operator : rocquans
Sample : ic446-0.5
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Sep 17 16:37:09 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration





TIC: cs8575.D\data.ms

(32) Indeno[1,2,3-cd]pyrene (t)

18.698min (-0.002) 496.77ppb m

response 50325

Ion	Exp%	Act%
276.00	100	100
274.00	20.40	21.73
277.00	22.40	23.73
0.00	0.00	0.00

9.6.83

6

Manual Integrations APPROVED (compounds with "m" flag)
Ying Li
09/18/25 10:52

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8576.D
Acq On : 17 Sep 2025 03:02 pm
Operator : rocquans
Sample : ic446-1
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 50 Sample Multiplier: 1

Quant Time: Sep 17 15:46:10 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 15:40:02 2025
Response via : Initial Calibration

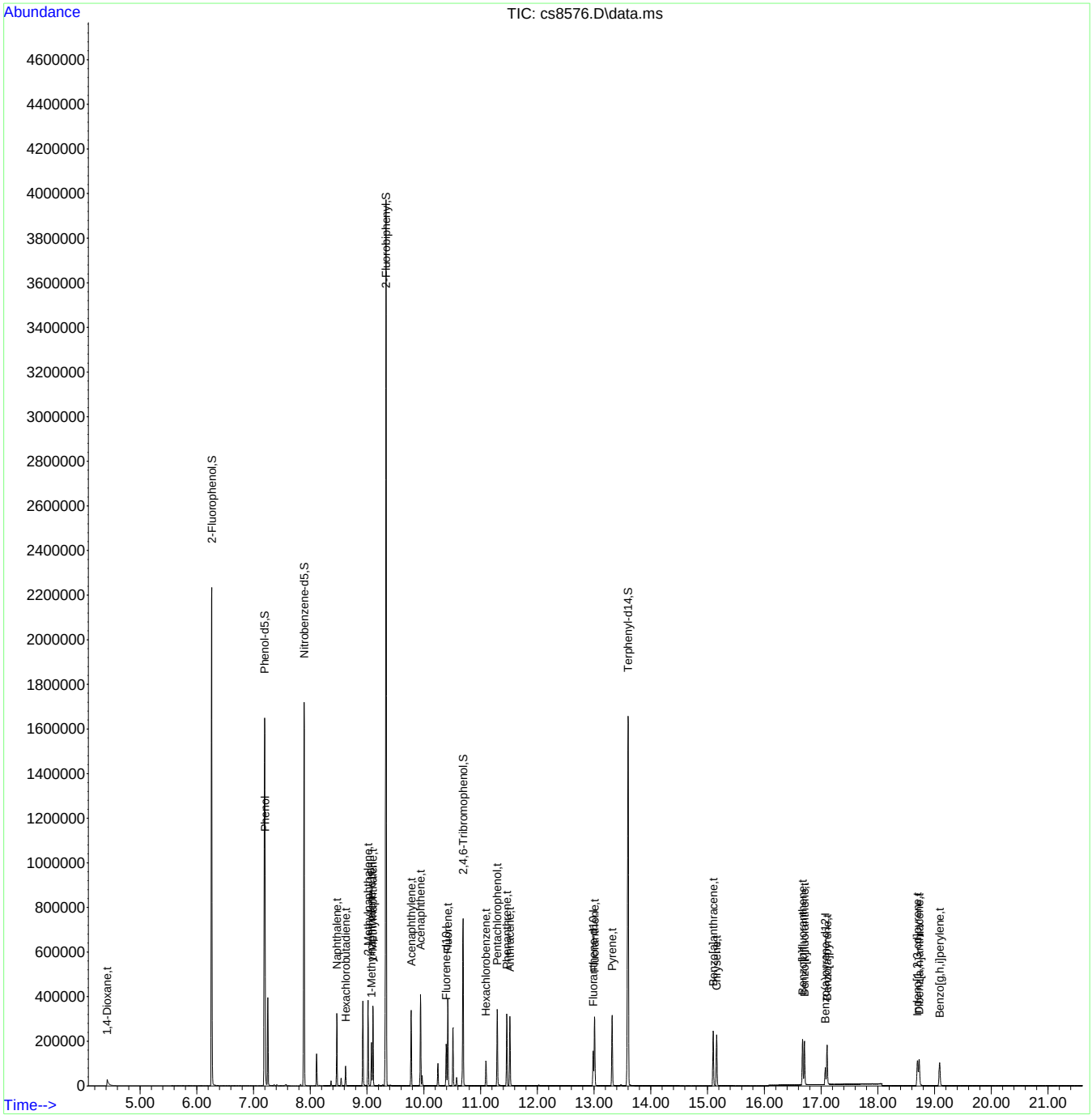
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	9.077	150	60156	800.00	ppb	0.00
11) Fluorene-d10	10.394	176	79374	800.00	ppb	0.00
18) Fluoranthene-d10	12.985	212	117618	800.00	ppb	0.00
28) Benzo(a)pyrene-d12	17.075	264	65526	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	6.263	112	1058000	16826.46	ppb	0.00
Spiked Amount 10000.000			Recovery = 168.26%			
4) Phenol-d5	7.195	99	1274005	17519.96	ppb	0.00
Spiked Amount 10000.000			Recovery = 175.20%			
6) Nitrobenzene-d5	7.890	82	1037375	17567.10	ppb	0.00
Spiked Amount 10000.000			Recovery = 175.67%			
12) 2-Fluorobiphenyl	9.335	172	2126424	16033.67	ppb	0.00
Spiked Amount 10000.000			Recovery = 160.34%			
17) 2,4,6-Tribromophenol	10.692	330	284310	18921.88	ppb	0.00
Spiked Amount 10000.000			Recovery = 189.22%			
25) Terphenyl-d14	13.600	244	1477606	16553.94	ppb	0.00
Spiked Amount 10000.000			Recovery = 165.54%			
Target Compounds						Qvalue
2) 1,4-Dioxane	4.420	88	29061	1042.37	ppb	96
5) Phenol	7.205	94	358959	4361.40	ppb	99
7) Naphthalene	8.469	128	208563	970.10	ppb	100
8) Hexachlorobutadiene	8.622	225	29957	952.39	ppb	98
9) 2-Methylnaphthalene	9.018	141	116599	979.79	ppb	98
10) 1-Methylnaphthalene	9.104	141	111382	972.22	ppb	100
13) Acenaphthylene	9.776	152	205731	1019.79	ppb	100
14) Acenaphthene	9.942	153	131302	952.63	ppb	97
15) Fluorene	10.423	166	152914	982.13	ppb	99
19) Hexachlorobenzene	11.095	284	39631	989.80	ppb	99
20) Pentachlorophenol	11.295	266	133992	6539.60	ppb	100
21) Phenanthrene	11.463	178	212312	988.88	ppb	100
22) Anthracene	11.516	178	208803	1026.27	ppb	100
23) Fluoranthene	13.009	202	221889	987.19	ppb	100
24) Pyrene	13.318	202	227826	997.66	ppb	100
26) Benzo[a]anthracene	15.100	228	170027	1021.06	ppb	100
27) Chrysene	15.159	228	162015	966.53	ppb	99
29) Benzo[b]fluoranthene	16.675	252	145730	998.02	ppb	100
30) Benzo[k]fluoranthene	16.707	252	140586	991.61	ppb	99
31) Benzo[a]pyrene	17.105	252	135639	1007.28	ppb	100
32) Indeno[1,2,3-cd]pyrene	18.698	276	108510m	987.00	ppb	
33) Dibenz[a,h]anthracene	18.727	278	104113	1000.87	ppb	100
34) Benzo[g,h,i]perylene	19.089	276	104407	976.71	ppb	100

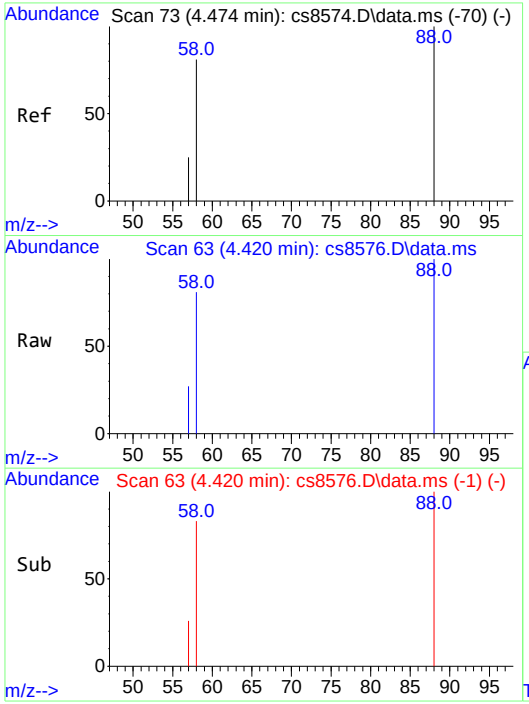
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8576.D
Acq On : 17 Sep 2025 03:02 pm
Operator : rocquans
Sample : ic446-1
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 50 Sample Multiplier: 1

Quant Time: Sep 17 15:46:10 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 15:40:02 2025
Response via : Initial Calibration

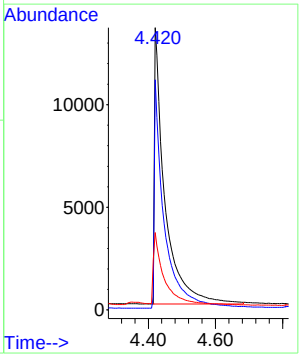


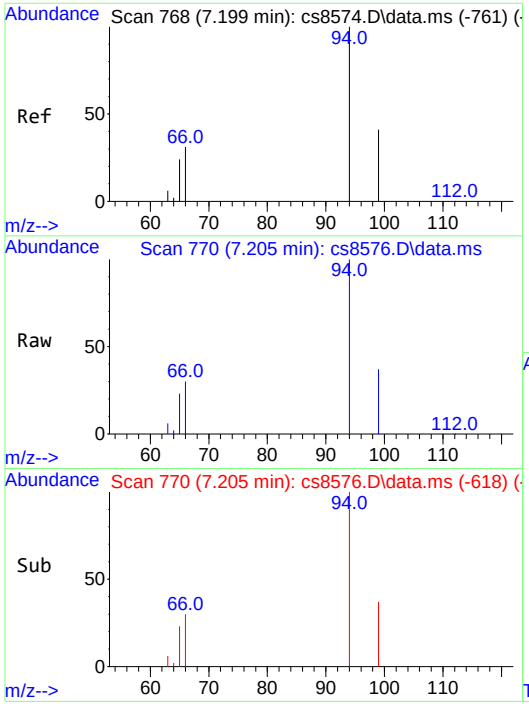


#2
1,4-Dioxane
Concen: 1042.37 ppb
RT: 4.420 min Scan# 63
Delta R.T. -0.054 min
Lab File: cs8576.D
Acq: 17 Sep 2025 03:02 pm

Tgt Ion: 88 Resp: 29061

Ion	Ratio	Lower	Upper
88	100		
58	80.4	61.3	101.3
57	18.1	5.8	45.8

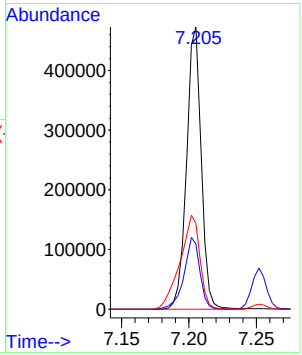


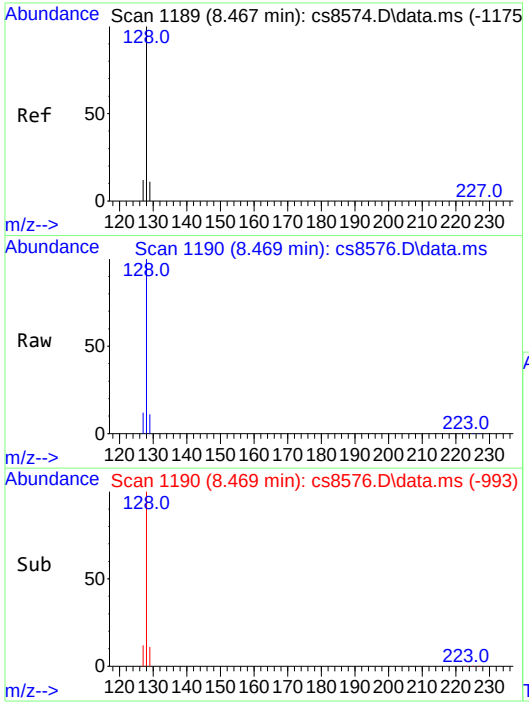


#5
Phenol
Concen: 4361.40 ppb
RT: 7.205 min Scan# 770
Delta R.T. 0.007 min
Lab File: cs8576.D
Acq: 17 Sep 2025 03:02 pm

Tgt Ion: 94 Resp: 358959

Ion	Ratio	Lower	Upper
94	100		
65	22.2	17.0	25.4
66	30.3	24.6	37.0

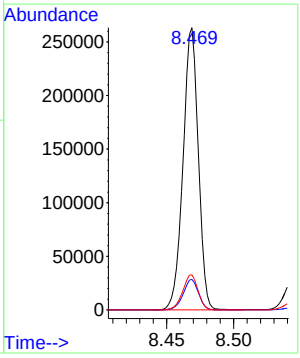


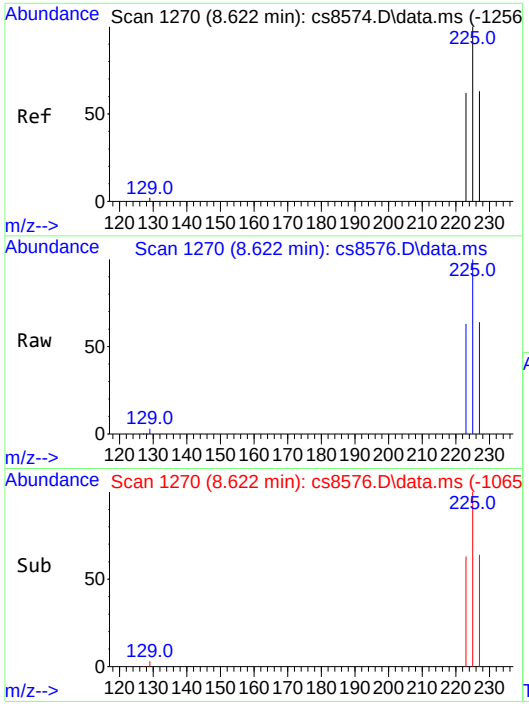


#7
Naphthalene
Concen: 970.10 ppb
RT: 8.469 min Scan# 1190
Delta R.T. 0.002 min
Lab File: cs8576.D
Acq: 17 Sep 2025 03:02 pm

Tgt Ion:128 Resp: 208563

Ion	Ratio	Lower	Upper
128	100		
129	10.8	0.0	40.8
127	12.4	0.0	42.4

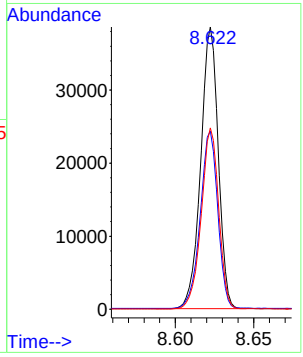


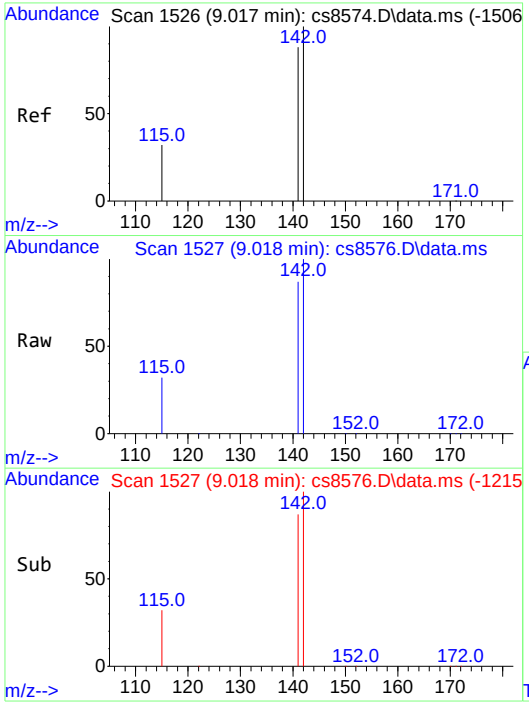


#8
Hexachlorobutadiene
Concen: 952.39 ppb
RT: 8.622 min Scan# 1270
Delta R.T. -0.000 min
Lab File: cs8576.D
Acq: 17 Sep 2025 03:02 pm

Tgt Ion:225 Resp: 29957

Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.8	91.8
227	64.2	32.6	92.6

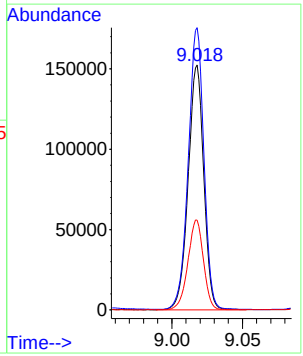


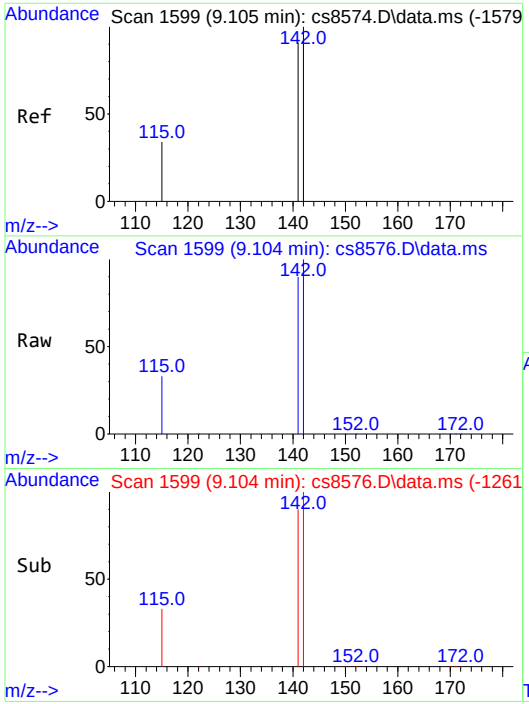


#9
2-Methylnaphthalene
Concen: 979.79 ppb
RT: 9.018 min Scan# 1527
Delta R.T. 0.001 min
Lab File: cs8576.D
Acq: 17 Sep 2025 03:02 pm

Tgt Ion:141 Resp: 116599

Ion	Ratio	Lower	Upper
141	100		
142	115.2	83.1	143.1
115	36.5	5.8	65.8

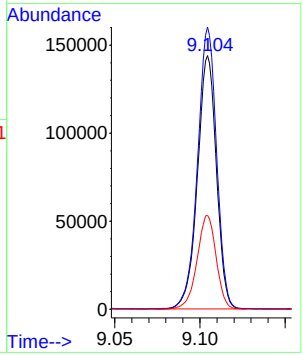


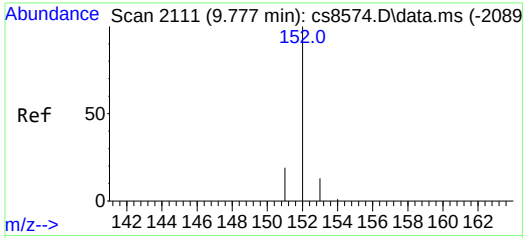


#10
1-Methylnaphthalene
Concen: 972.22 ppb
RT: 9.104 min Scan# 1599
Delta R.T. -0.000 min
Lab File: cs8576.D
Acq: 17 Sep 2025 03:02 pm

Tgt Ion:141 Resp: 111382

Ion	Ratio	Lower	Upper
141	100		
142	111.2	80.8	140.8
115	37.0	7.2	67.2

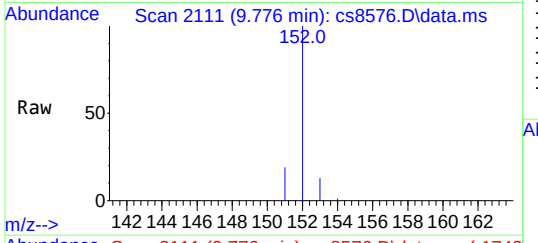


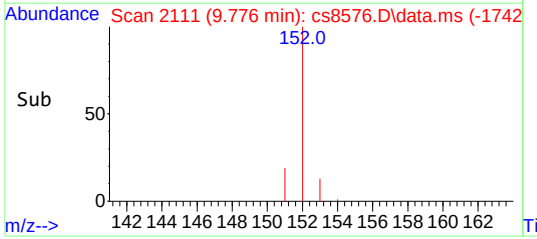


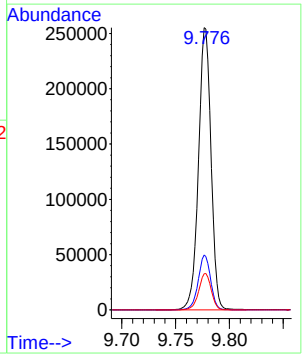
#13
Acenaphthylene
Concen: 1019.79 ppb
RT: 9.776 min Scan# 2111
Delta R.T. -0.000 min
Lab File: cs8576.D
Acq: 17 Sep 2025 03:02 pm

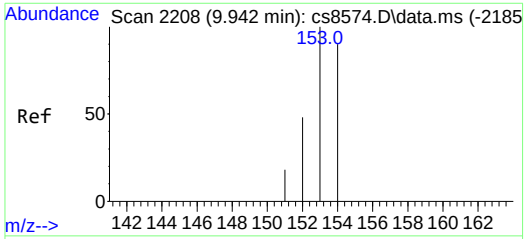
Tgt Ion:152 Resp: 205731

Ion	Ratio	Lower	Upper
152	100		
151	19.4	0.0	49.3
153	12.8	0.0	42.7





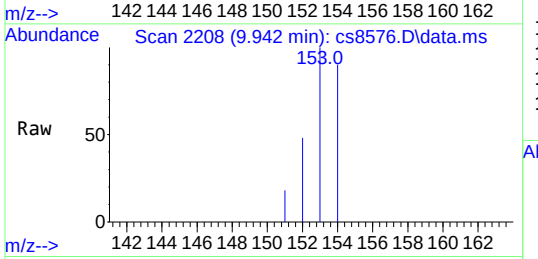


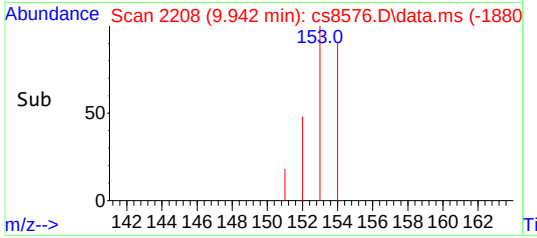


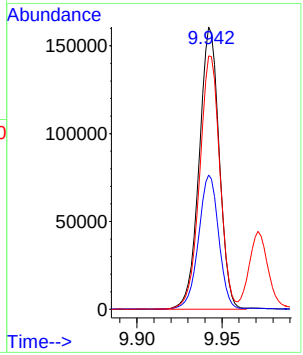
#14
Acenaphthene
Concen: 952.63 ppb
RT: 9.942 min Scan# 2208
Delta R.T. -0.000 min
Lab File: cs8576.D
Acq: 17 Sep 2025 03:02 pm

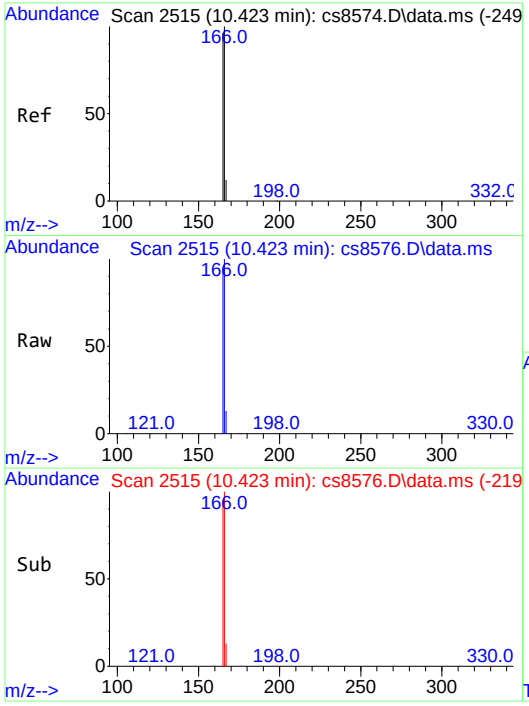
Tgt Ion:153 Resp: 131302

Ion	Ratio	Lower	Upper
153	100		
152	47.4	17.7	77.7
154	84.7	59.5	119.5





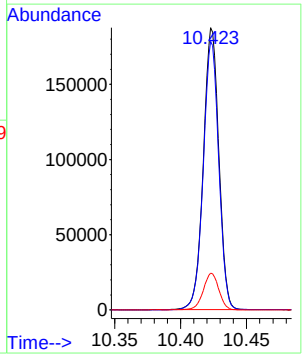


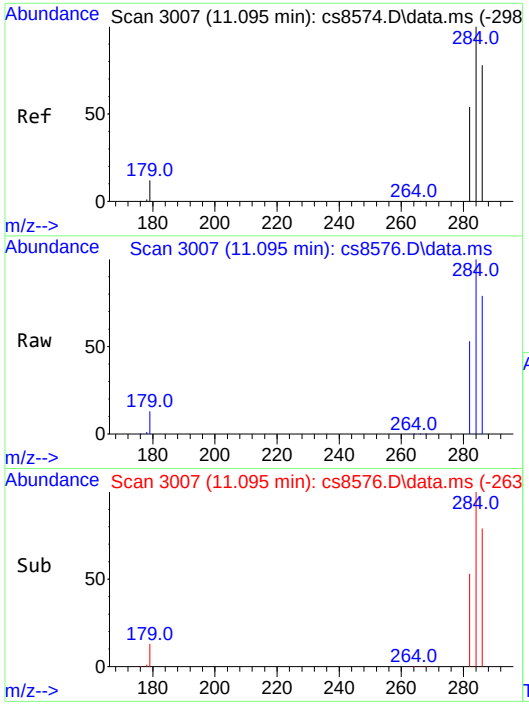


#15
Fluorene
Concen: 982.13 ppb
RT: 10.423 min Scan# 2515
Delta R.T. 0.000 min
Lab File: cs8576.D
Acq: 17 Sep 2025 03:02 pm

Tgt Ion:166 Resp: 152914

Ion	Ratio	Lower	Upper
166	100		
165	95.1	65.7	125.7
167	12.9	0.0	42.4

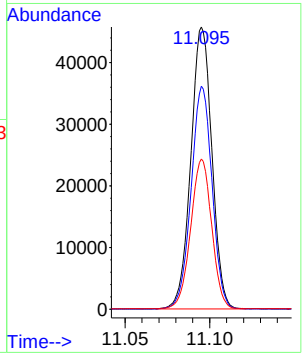


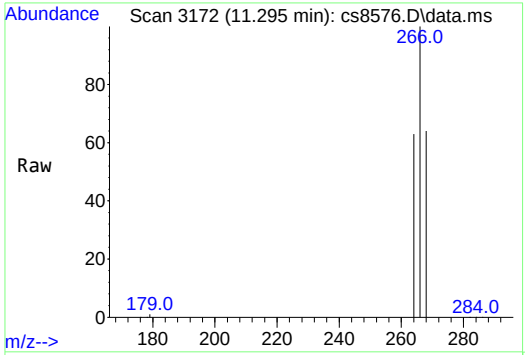


#19
Hexachlorobenzene
Concen: 989.80 ppb
RT: 11.095 min Scan# 3007
Delta R.T. 0.000 min
Lab File: cs8576.D
Acq: 17 Sep 2025 03:02 pm

Tgt Ion:284 Resp: 39631

Ion	Ratio	Lower	Upper
284	100		
286	79.0	48.0	108.0
282	53.0	23.8	83.8

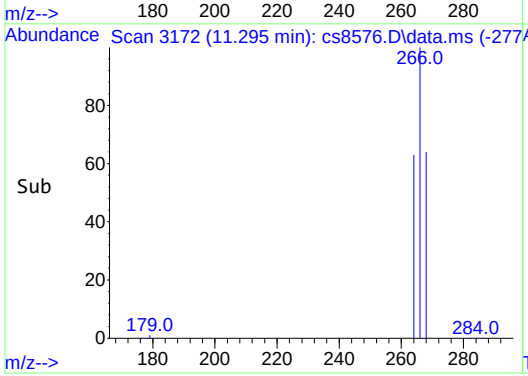


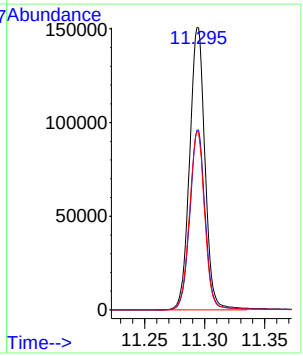


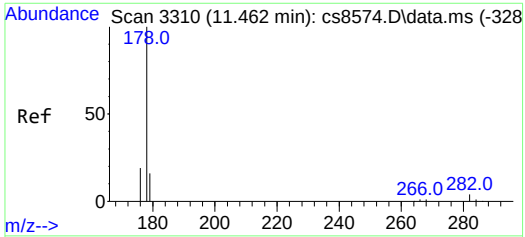
#20
Pentachlorophenol
Concen: 6539.60 ppb
RT: 11.295 min Scan# 3172
Delta R.T. 0.001 min
Lab File: cs8576.D
Acq: 17 Sep 2025 03:02 pm

Tgt Ion:266 Resp: 133992

Ion	Ratio	Lower	Upper
266	100		
268	63.3	43.1	83.1
264	62.7	43.0	83.0



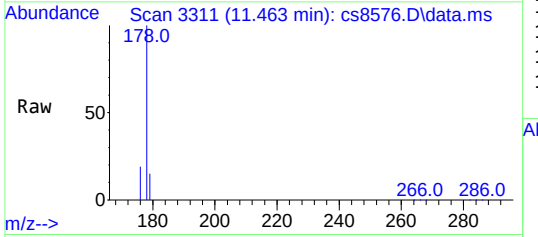


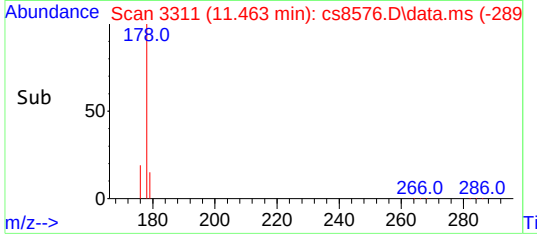


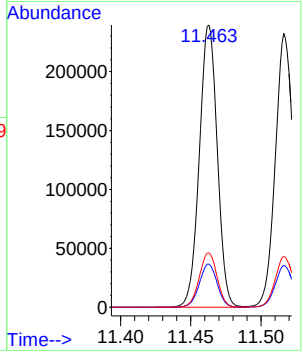
#21
Phenanthrene
Concen: 988.88 ppb
RT: 11.463 min Scan# 3311
Delta R.T. 0.001 min
Lab File: cs8576.D
Acq: 17 Sep 2025 03:02 pm

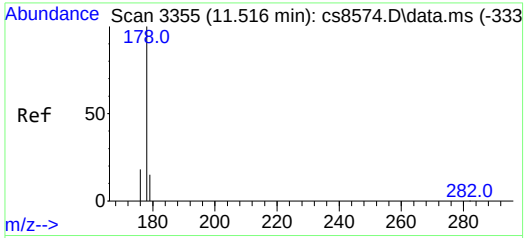
Tgt Ion:178 Resp: 212312

Ion	Ratio	Lower	Upper
178	100		
179	15.3	0.0	45.7
176	19.3	0.0	49.2





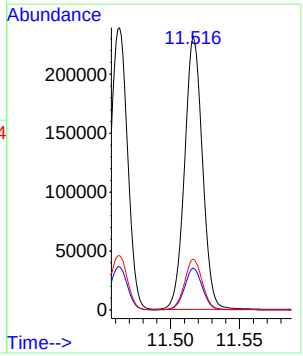


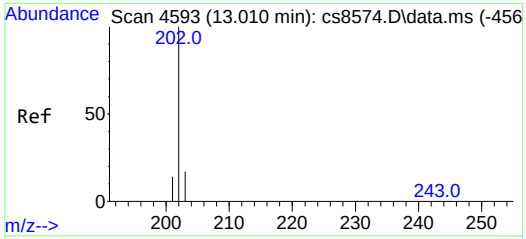


#22
Anthracene
Concen: 1026.27 ppb
RT: 11.516 min Scan# 3355
Delta R.T. 0.000 min
Lab File: cs8576.D
Acq: 17 Sep 2025 03:02 pm

Tgt Ion:178 Resp: 208803

Ion	Ratio	Lower	Upper
178	100		
179	15.3	0.0	45.2
176	18.5	0.0	48.4

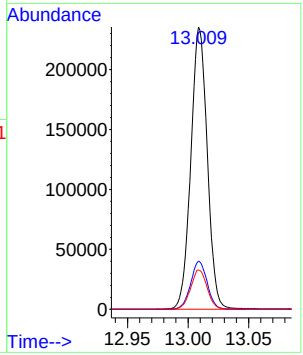


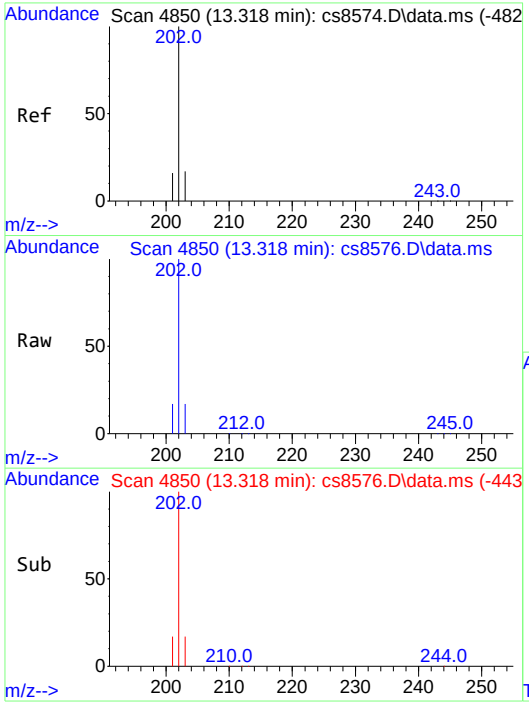


#23
Fluoranthene
Concen: 987.19 ppb
RT: 13.009 min Scan# 4592
Delta R.T. -0.001 min
Lab File: cs8576.D
Acq: 17 Sep 2025 03:02 pm

Tgt Ion:202 Resp: 221889

Ion	Ratio	Lower	Upper
202	100		
203	17.1	0.0	47.2
201	13.9	0.0	44.0

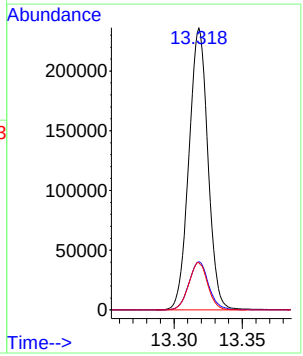


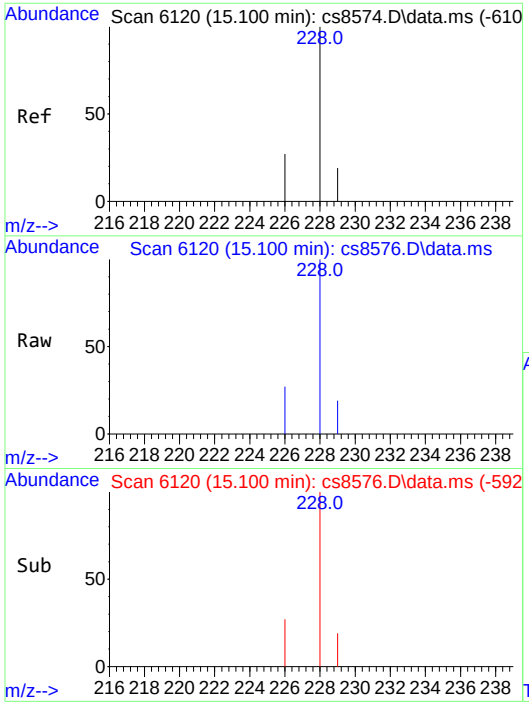


#24
Pyrene
Concen: 997.66 ppb
RT: 13.318 min Scan# 4850
Delta R.T. 0.000 min
Lab File: cs8576.D
Acq: 17 Sep 2025 03:02 pm

Tgt Ion:202 Resp: 227826

Ion	Ratio	Lower	Upper
202	100		
203	17.0	0.0	47.1
201	16.7	0.0	46.4

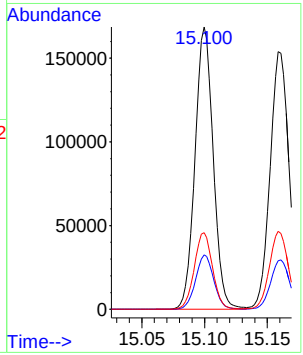


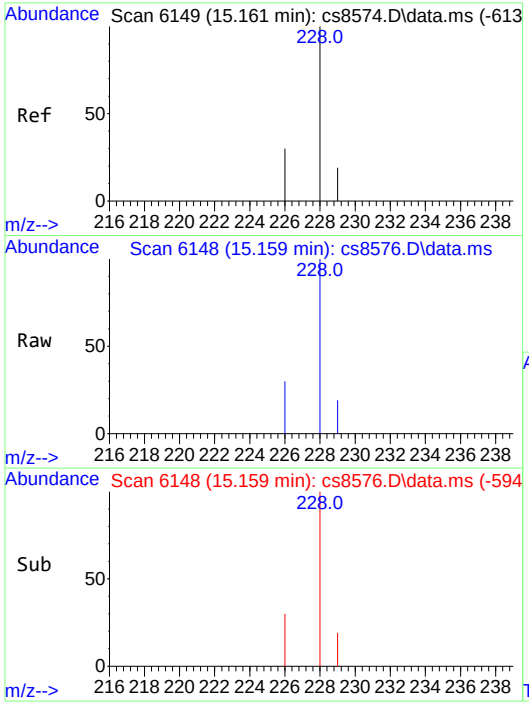


#26
Benzo[a]anthracene
Concen: 1021.06 ppb
RT: 15.100 min Scan# 6120
Delta R.T. -0.000 min
Lab File: cs8576.D
Acq: 17 Sep 2025 03:02 pm

Tgt Ion:228 Resp: 170027

Ion	Ratio	Lower	Upper
228	100		
229	19.2	0.0	49.1
226	27.1	0.0	57.0

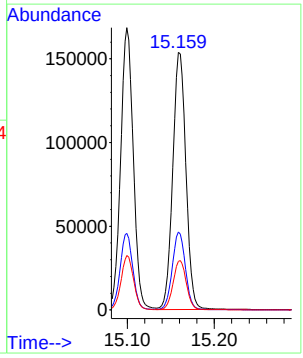


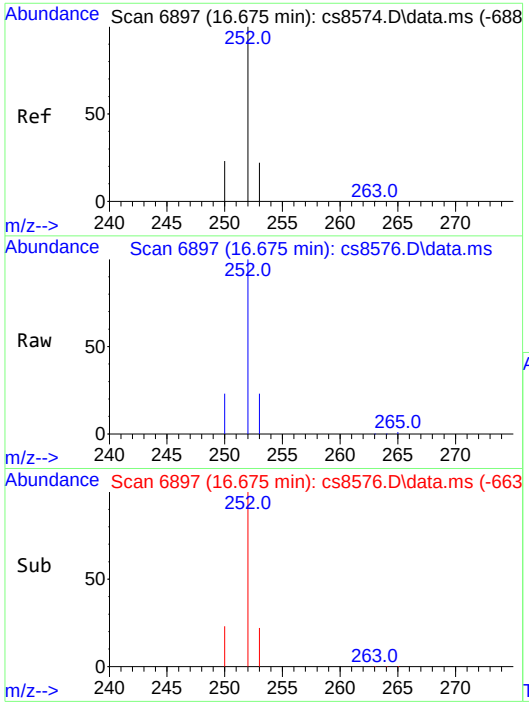


#27
Chrysene
Concen: 966.53 ppb
RT: 15.159 min Scan# 6148
Delta R.T. -0.002 min
Lab File: cs8576.D
Acq: 17 Sep 2025 03:02 pm

Tgt Ion:228 Resp: 162015

Ion	Ratio	Lower	Upper
228	100		
226	30.3	0.0	59.6
229	18.8	0.0	49.1

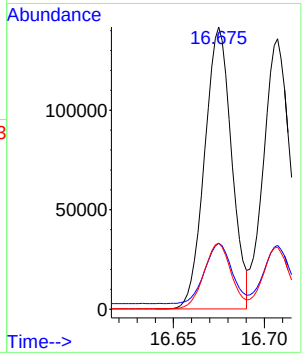


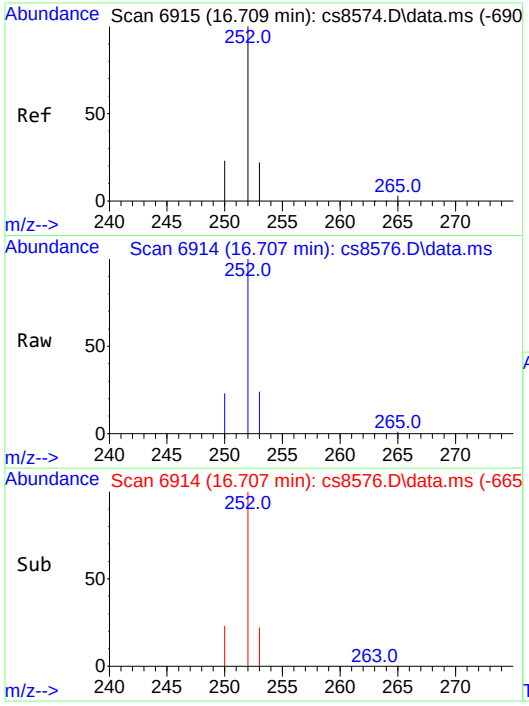


#29
Benzo[b]fluoranthene
Concen: 998.02 ppb
RT: 16.675 min Scan# 6897
Delta R.T. -0.000 min
Lab File: cs8576.D
Acq: 17 Sep 2025 03:02 pm

Tgt Ion:252 Resp: 145730

Ion	Ratio	Lower	Upper
252	100		
253	21.3	0.0	51.5
250	23.3	0.0	53.4

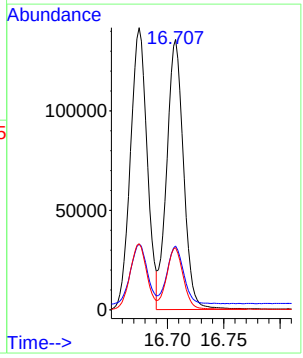


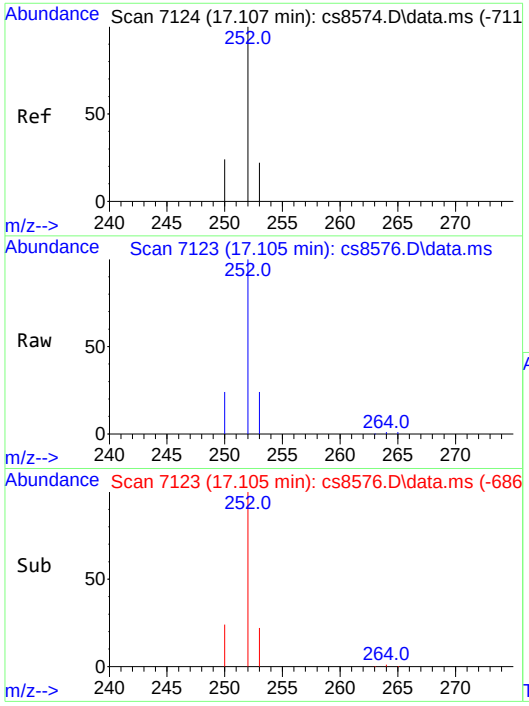


#30
Benzo[k]fluoranthene
Concen: 991.61 ppb
RT: 16.707 min Scan# 6914
Delta R.T. -0.002 min
Lab File: cs8576.D
Acq: 17 Sep 2025 03:02 pm

Tgt Ion:252 Resp: 140586

Ion	Ratio	Lower	Upper
252	100		
253	21.4	0.0	51.3
250	22.8	0.0	53.2

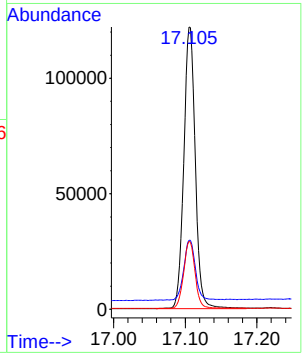


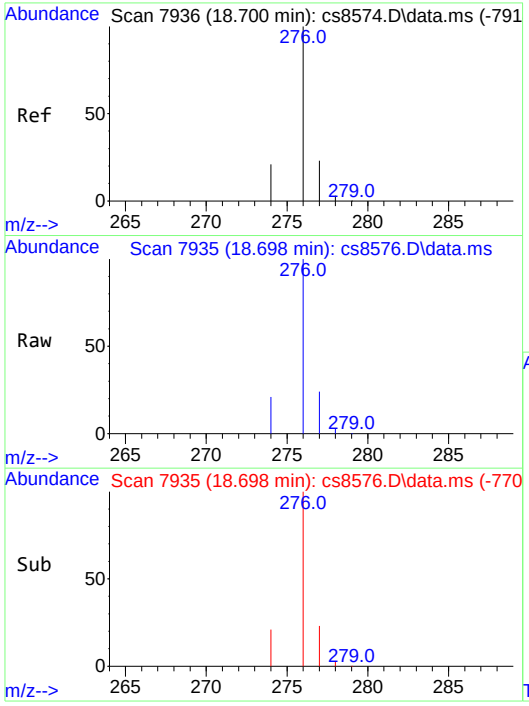


#31
Benzo[a]pyrene
Concen: 1007.28 ppb
RT: 17.105 min Scan# 7123
Delta R.T. -0.002 min
Lab File: cs8576.D
Acq: 17 Sep 2025 03:02 pm

Tgt Ion:252 Resp: 135639

Ion	Ratio	Lower	Upper
252	100		
253	21.1	0.0	51.3
250	23.8	0.0	53.7

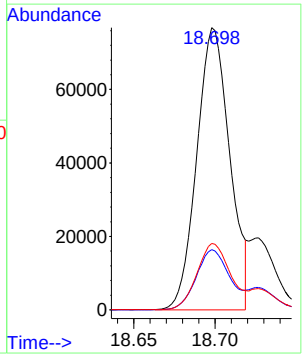


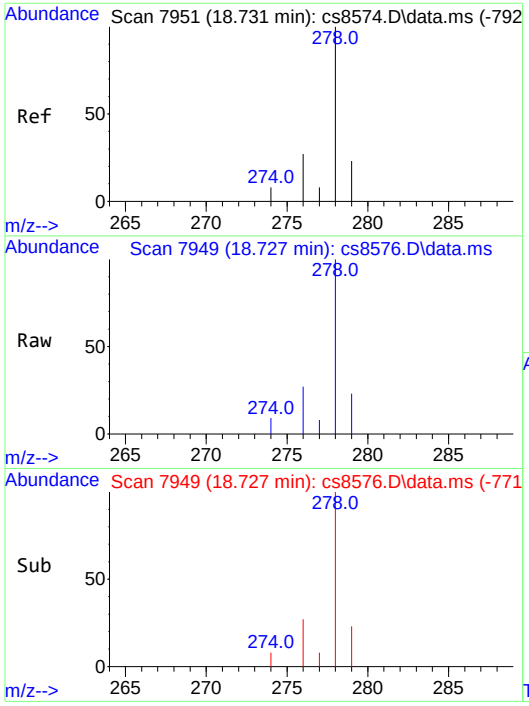


#32
Indeno[1,2,3-cd]pyrene
Concen: 987.00 ppb m
RT: 18.698 min Scan# 7935
Delta R.T. -0.002 min
Lab File: cs8576.D
Acq: 17 Sep 2025 03:02 pm

Tgt Ion:276 Resp: 108510

Ion	Ratio	Lower	Upper
276	100		
274	21.4	0.0	50.4
277	23.5	0.0	52.4

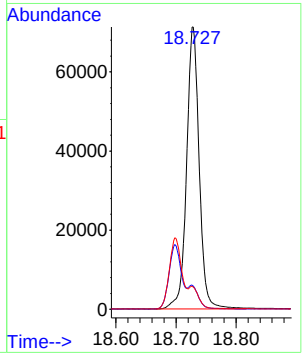


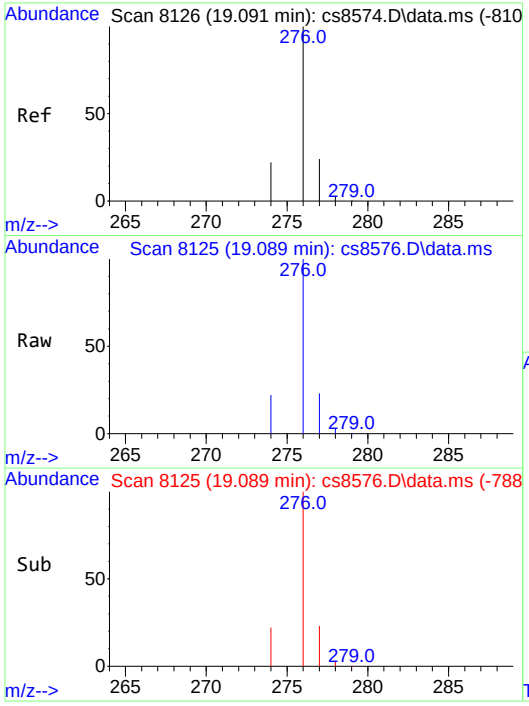


#33
Dibenz[a,h]anthracene
Concen: 1000.87 ppb
RT: 18.727 min Scan# 7949
Delta R.T. -0.004 min
Lab File: cs8576.D
Acq: 17 Sep 2025 03:02 pm

Tgt Ion:278 Resp: 104113

Ion	Ratio	Lower	Upper
278	100		
274	8.4	0.0	38.4
277	8.0	0.0	37.8

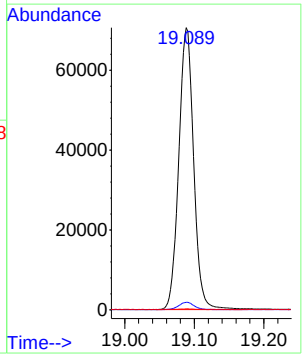




#34
Benzo[g,h,i]perylene
Concen: 976.71 ppb
RT: 19.089 min Scan# 8125
Delta R.T. -0.002 min
Lab File: cs8576.D
Acq: 17 Sep 2025 03:02 pm

Tgt Ion:276 Resp: 104407

Ion	Ratio	Lower	Upper
276	100		
278	2.6	0.0	32.6
279	0.2	0.0	30.2



Manual Integration Approval Summary

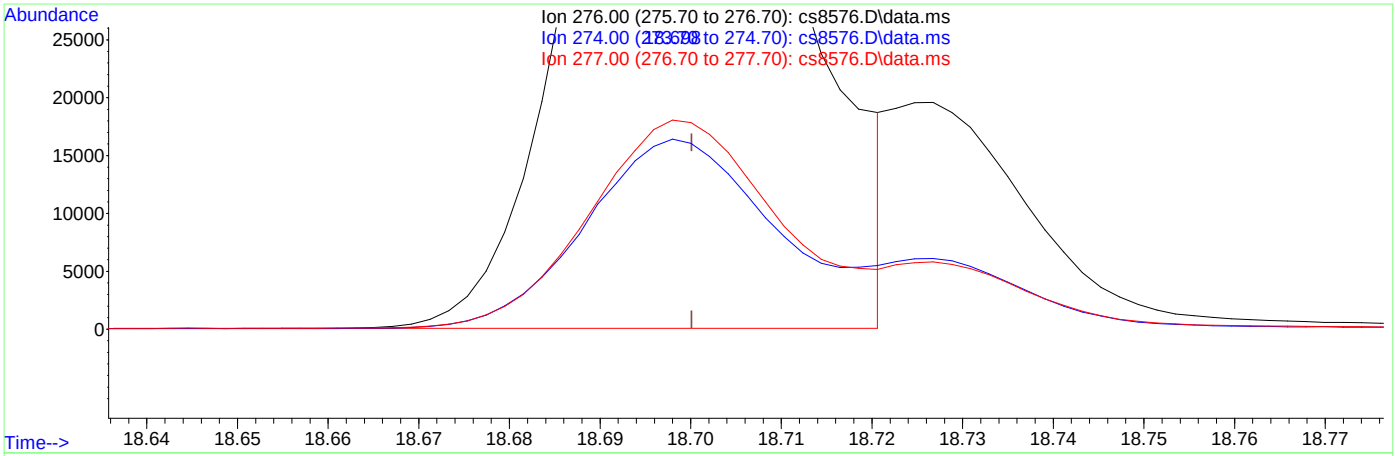
Sample Number: ECS446-IC446
Lab FileID: CS8576.D
Injection Time: 09/17/25 15:02
Method: SW846 8270E BY SIM
Analyst approved: 09/17/25 18:29 Rocquan Salters
Supervisor approved: 09/18/25 10:52 Ying Li

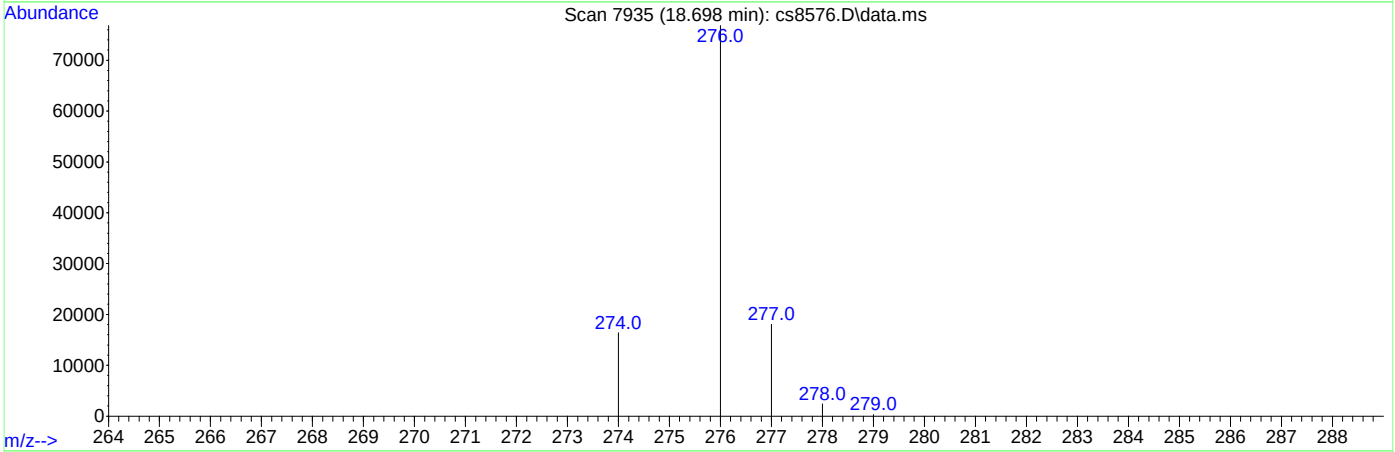
Parameter	CAS	Sig#	R.T. (min.)	Reason
Indeno(1,2,3-cd)pyrene	193-39-5		18.70	Baseline ripple

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8576.D
Acq On : 17 Sep 2025 03:02 pm
Operator : rocquans
Sample : ic446-1
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 50 Sample Multiplier: 1

Quant Time: Sep 17 15:46:10 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 15:40:02 2025
Response via : Initial Calibration





TIC: cs8576.D\data.ms

(32) Indeno[1,2,3-cd]pyrene (t)

18.698min (-0.002) 1005.87ppb

response 110584

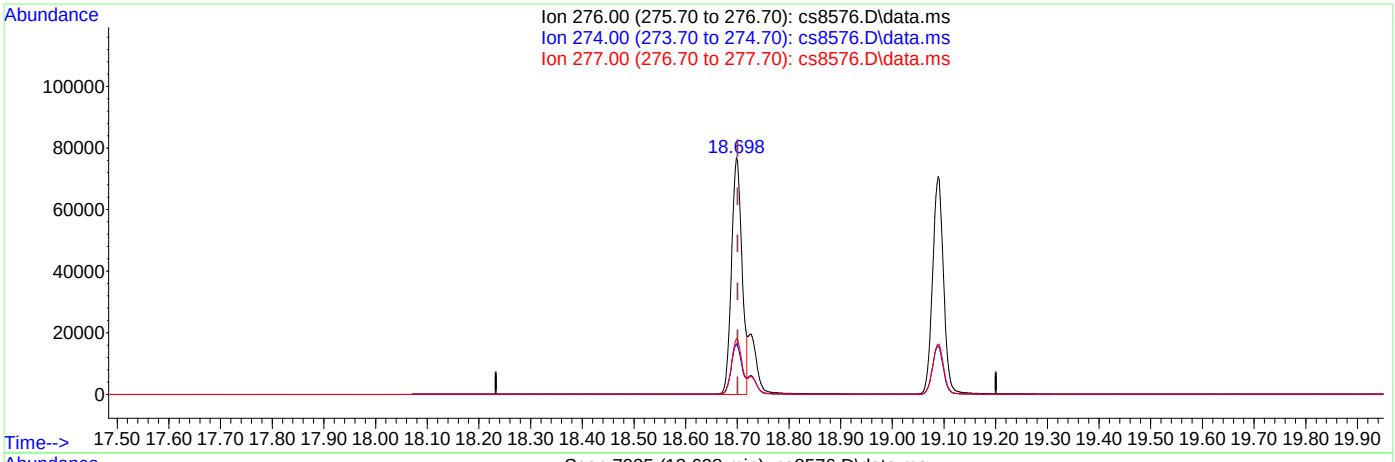
Ion	Exp%	Act%
276.00	100	100
274.00	20.40	20.22
277.00	22.40	22.92
0.00	0.00	0.00

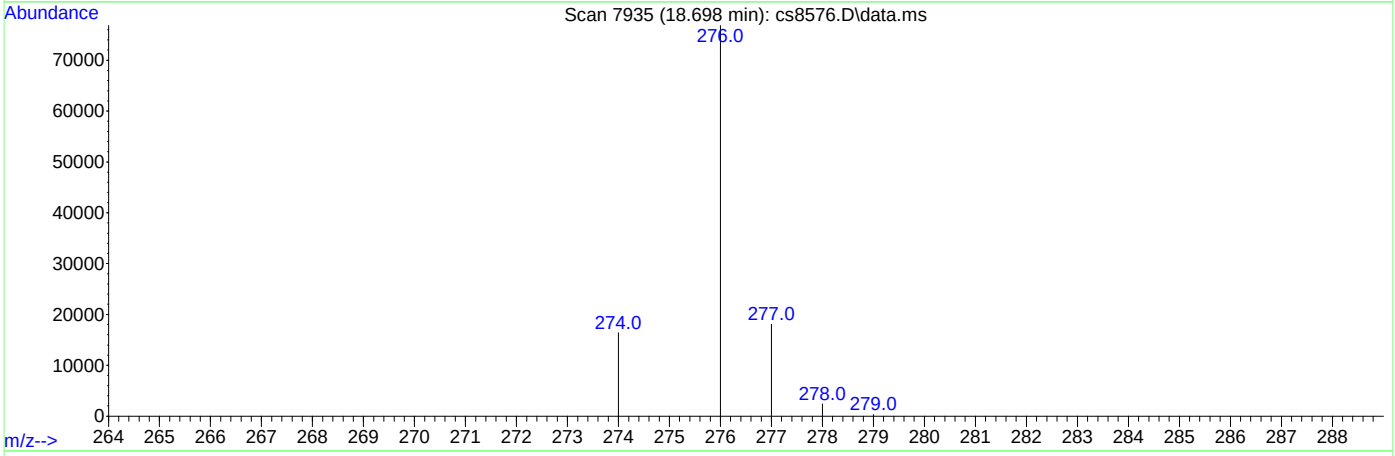
CS8576.D edits: Indeno[1,2,3-cd]pyrene

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8576.D
Acq On : 17 Sep 2025 03:02 pm
Operator : rocquans
Sample : ic446-1
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 50 Sample Multiplier: 1

Quant Time: Sep 17 15:46:10 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 15:40:02 2025
Response via : Initial Calibration





TIC: cs8576.D\data.ms

(32) Indeno[1,2,3-cd]pyrene (t)

18.698min (-0.002) 987.00ppb m

response 108510

Ion	Exp%	Act%
276.00	100	100
274.00	20.40	21.36
277.00	22.40	23.53
0.00	0.00	0.00

9.6.9.3

9

Manual Integrations APPROVED (compounds with "m" flag)
Ying Li
09/18/25 10:52

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8577.D
Acq On : 17 Sep 2025 03:29 pm
Operator : rocquans
Sample : ic446-2
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 51 Sample Multiplier: 1

Quant Time: Sep 17 16:38:41 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	9.077	150	59396	800.00	ppb	0.00
11) Fluorene-d10	10.396	176	77728	800.00	ppb	0.00
18) Fluoranthene-d10	12.983	212	112324	800.00	ppb	0.00
28) Benzo(a)pyrene-d12	17.075	264	63084	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	6.263	112	1894843	30521.24	ppb	0.00
Spiked Amount 10000.000			Recovery = 305.21%			
4) Phenol-d5	7.199	99	2334911	32520.27	ppb	0.00
Spiked Amount 10000.000			Recovery = 325.20%			
6) Nitrobenzene-d5	7.897	82	1931353	33124.38	ppb	0.01
Spiked Amount 10000.000			Recovery = 331.24%			
12) 2-Fluorobiphenyl	9.339	172	3663724	28210.23	ppb	0.00
Spiked Amount 10000.000			Recovery = 282.10%			
17) 2,4,6-Tribromophenol	10.696	330	501420	34078.04	ppb	0.00
Spiked Amount 10000.000			Recovery = 340.78%			
25) Terphenyl-d14	13.609	244	2498404	29309.37	ppb	0.02
Spiked Amount 10000.000			Recovery = 293.09%			
Target Compounds						Qvalue
2) 1,4-Dioxane	4.410	88	58312	2118.32	ppb	94
5) Phenol	7.212	94	664747	8180.12	ppb	98
7) Naphthalene	8.469	128	405696	1911.17	ppb	100
8) Hexachlorobutadiene	8.622	225	58487	1883.21	ppb	98
9) 2-Methylnaphthalene	9.018	141	225567	1919.72	ppb	98
10) 1-Methylnaphthalene	9.105	141	215048	1901.12	ppb	100
13) Acenaphthylene	9.777	152	403271	2041.30	ppb	100
14) Acenaphthene	9.944	153	250132	1853.20	ppb	98
15) Fluorene	10.424	166	291682	1913.08	ppb	99
16) 4,6-dinitro-2-methylph...	10.518	198	225979	16549.92	ppb	96
19) Hexachlorobenzene	11.095	284	75614	1977.49	ppb	100
20) Pentachlorophenol	11.296	266	261670	13372.96	ppb	100
21) Phenanthrene	11.464	178	397782	1940.06	ppb	100
22) Anthracene	11.517	178	394237	2029.01	ppb	100
23) Fluoranthene	13.010	202	413370	1925.77	ppb	100
24) Pyrene	13.318	202	423178	1940.46	ppb	99
26) Benzo[a]anthracene	15.100	228	316299	1988.99	ppb	99
27) Chrysene	15.161	228	295788	1847.75	ppb	99
29) Benzo[b]fluoranthene	16.677	252	274888	1955.42	ppb	100
30) Benzo[k]fluoranthene	16.709	252	261573	1916.40	ppb	100
31) Benzo[a]pyrene	17.107	252	256016	1974.82	ppb	100
32) Indeno[1,2,3-cd]pyrene	18.700	276	215645m	2037.43	ppb	
33) Dibenz[a,h]anthracene	18.729	278	202717	2024.21	ppb	100
34) Benzo[g,h,i]perylene	19.091	276	201983	1962.65	ppb	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

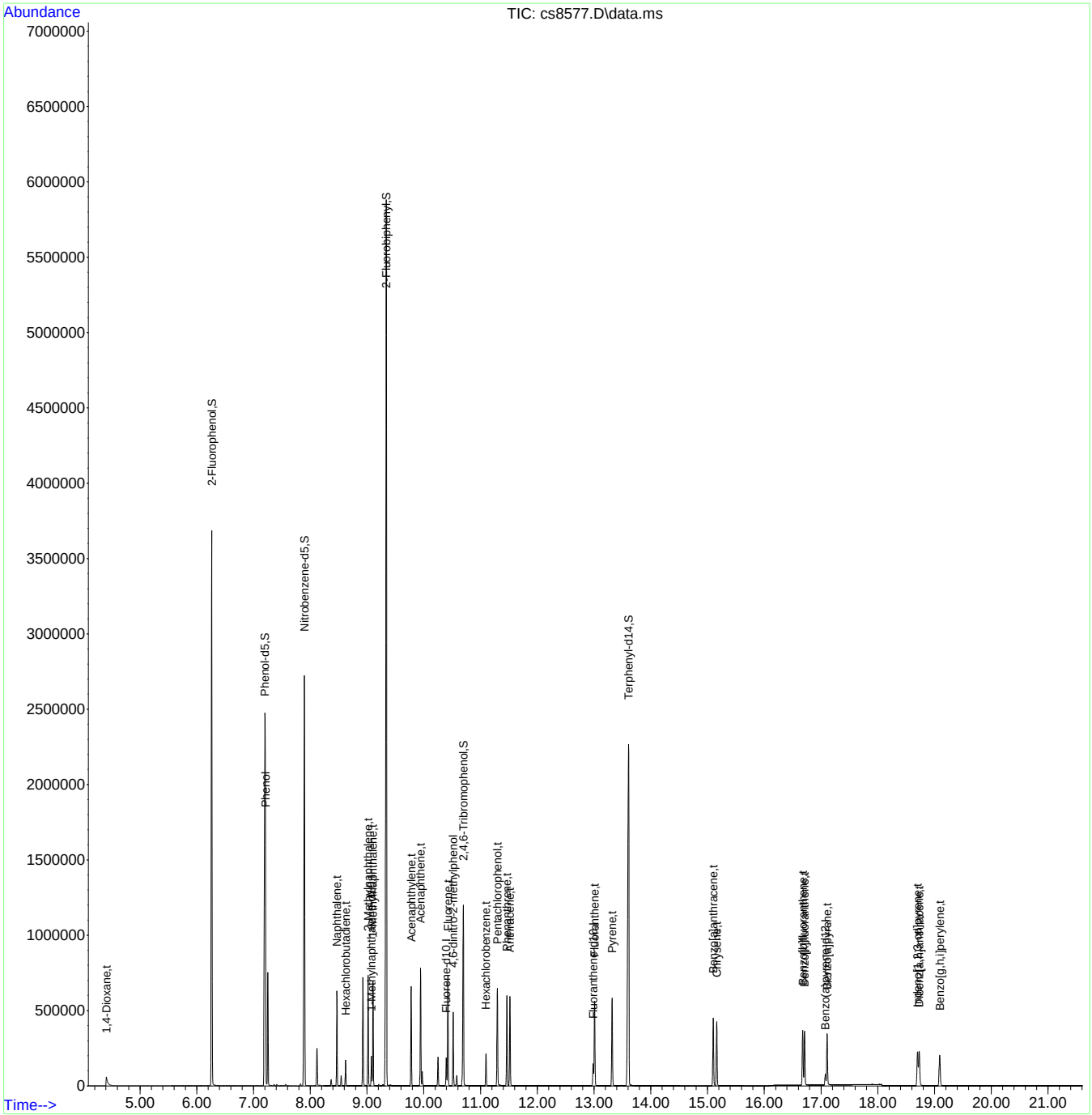
9.6.10

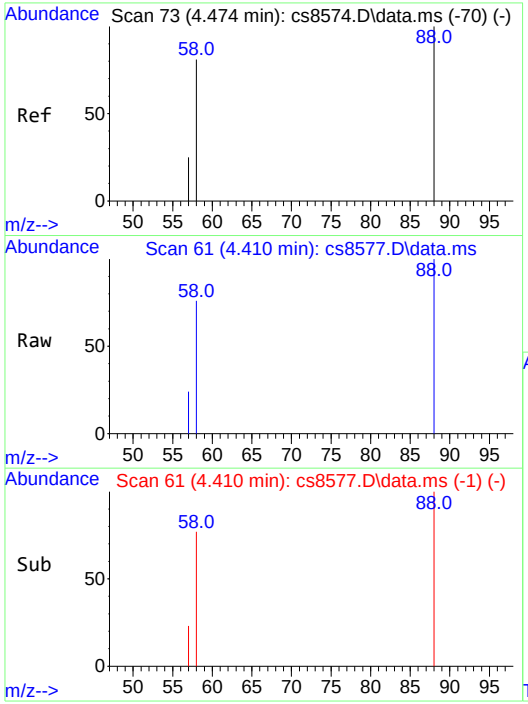
6

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8577.D
Acq On : 17 Sep 2025 03:29 pm
Operator : rocquans
Sample : ic446-2
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 51 Sample Multiplier: 1

Quant Time: Sep 17 16:38:41 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration

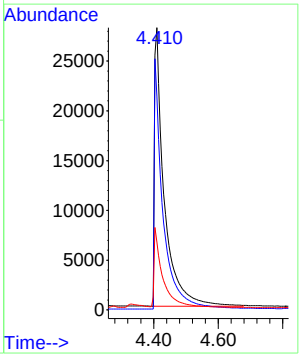


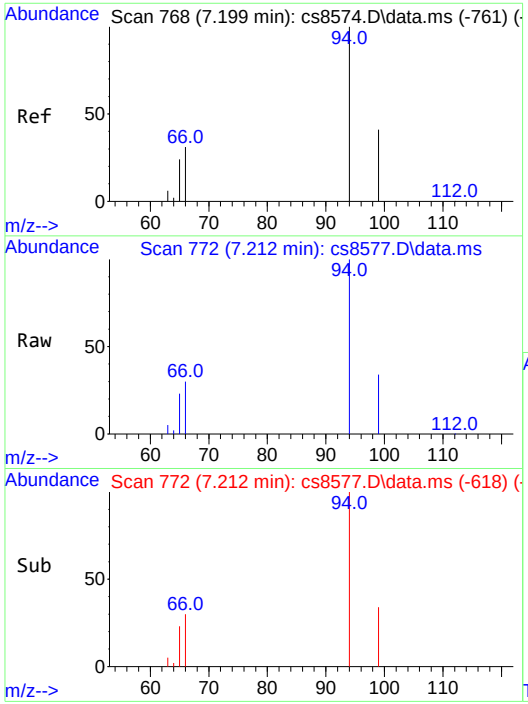


#2
1,4-Dioxane
Concen: 2118.32 ppb
RT: 4.410 min Scan# 61
Delta R.T. -0.064 min
Lab File: cs8577.D
Acq: 17 Sep 2025 03:29 pm

Tgt Ion: 88 Resp: 58312

Ion	Ratio	Lower	Upper
88	100		
58	76.4	61.3	101.3
57	21.6	5.8	45.8

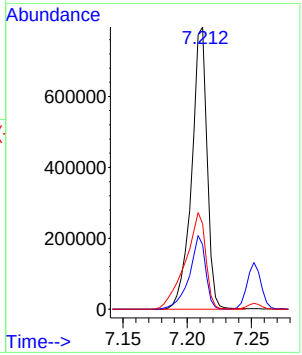


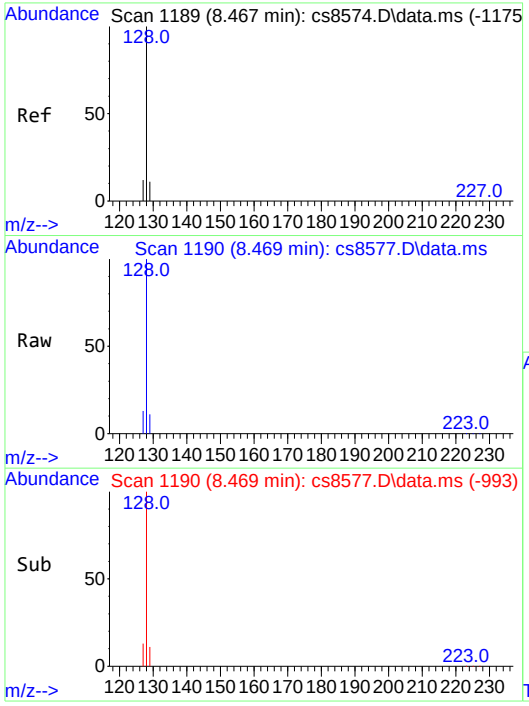


#5
Phenol
Concen: 8180.12 ppb
RT: 7.212 min Scan# 772
Delta R.T. 0.013 min
Lab File: cs8577.D
Acq: 17 Sep 2025 03:29 pm

Tgt Ion: 94 Resp: 664747

Ion	Ratio	Lower	Upper
94	100		
65	19.5	17.0	25.4
66	29.9	24.6	37.0

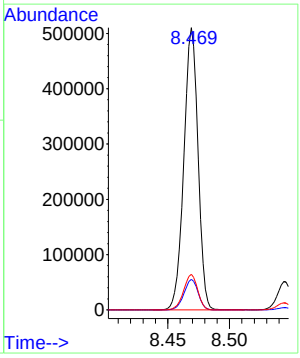


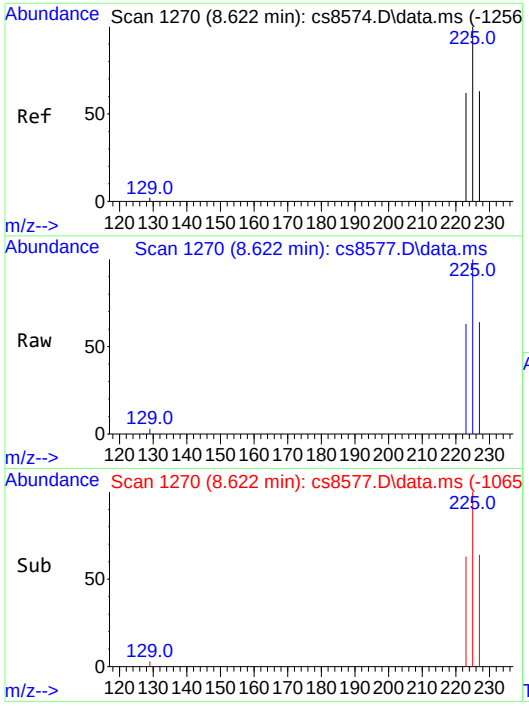


#7
Naphthalene
Concen: 1911.17 ppb
RT: 8.469 min Scan# 1190
Delta R.T. 0.002 min
Lab File: cs8577.D
Acq: 17 Sep 2025 03:29 pm

Tgt Ion:128 Resp: 405696

Ion	Ratio	Lower	Upper
128	100		
129	10.8	0.0	40.8
127	12.6	0.0	42.4

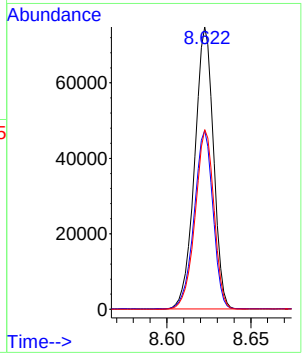


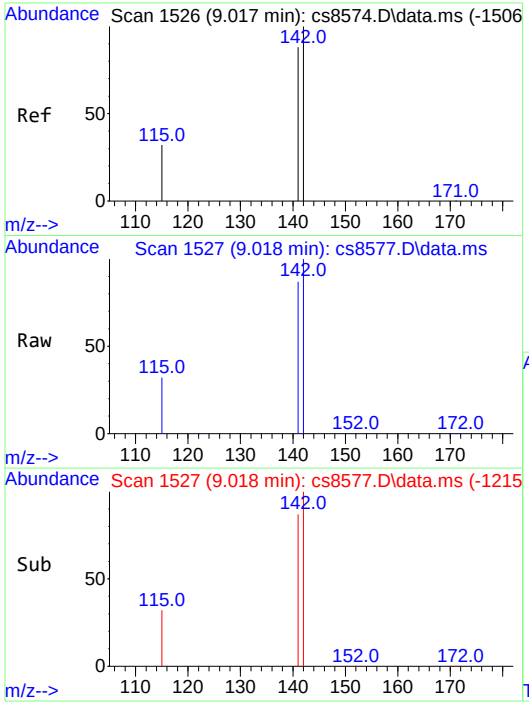


#8
Hexachlorobutadiene
Concen: 1883.21 ppb
RT: 8.622 min Scan# 1270
Delta R.T. -0.000 min
Lab File: cs8577.D
Acq: 17 Sep 2025 03:29 pm

Tgt Ion:225 Resp: 58487

Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.8	91.8
227	63.7	32.6	92.6

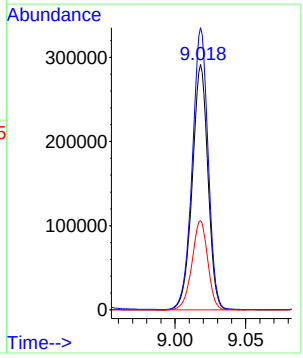


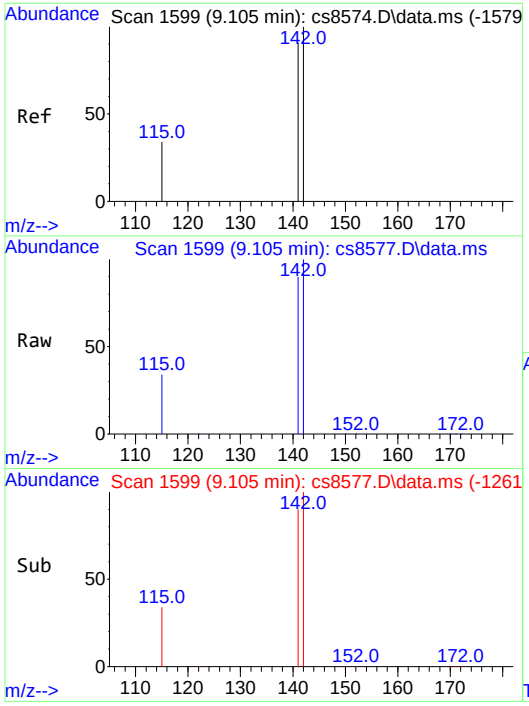


#9
2-Methylnaphthalene
Concen: 1919.72 ppb
RT: 9.018 min Scan# 1527
Delta R.T. 0.001 min
Lab File: cs8577.D
Acq: 17 Sep 2025 03:29 pm

Tgt Ion:141 Resp: 225567

Ion	Ratio	Lower	Upper
141	100		
142	114.9	83.1	143.1
115	36.4	5.8	65.8

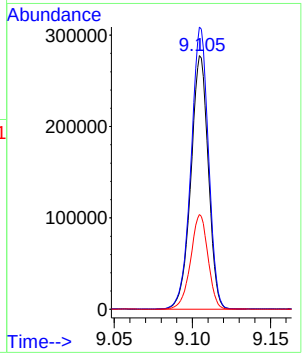


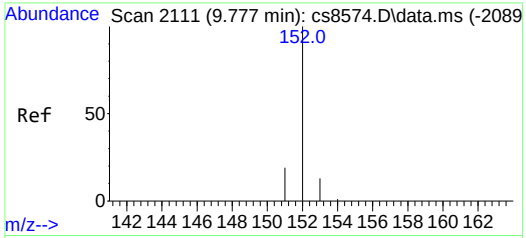


#10
1-Methylnaphthalene
Concen: 1901.12 ppb
RT: 9.105 min Scan# 1599
Delta R.T. -0.000 min
Lab File: cs8577.D
Acq: 17 Sep 2025 03:29 pm

Tgt Ion:141 Resp: 215048

Ion	Ratio	Lower	Upper
141	100		
142	111.3	80.8	140.8
115	37.3	7.2	67.2

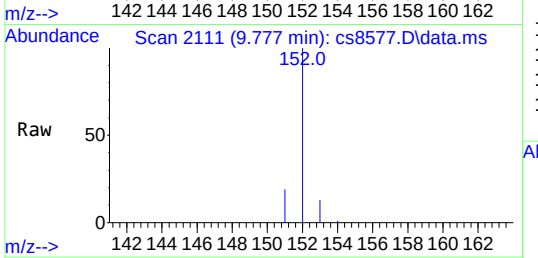


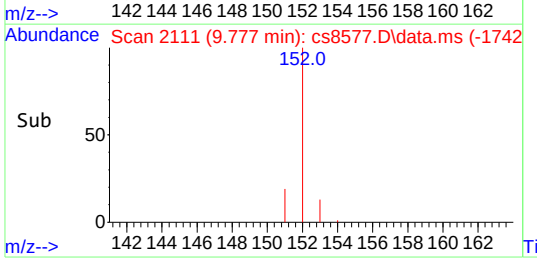


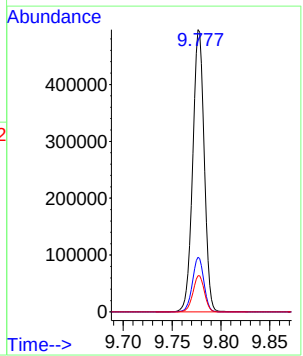
#13
Acenaphthylene
Concen: 2041.30 ppb
RT: 9.777 min Scan# 2111
Delta R.T. -0.000 min
Lab File: cs8577.D
Acq: 17 Sep 2025 03:29 pm

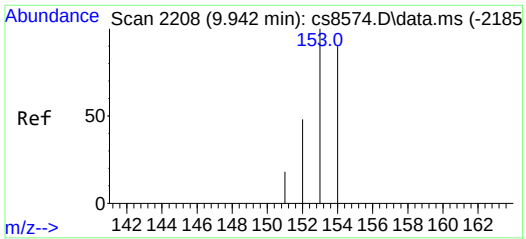
Tgt Ion:152 Resp: 403271

Ion	Ratio	Lower	Upper
152	100		
151	19.4	0.0	49.3
153	12.8	0.0	42.7





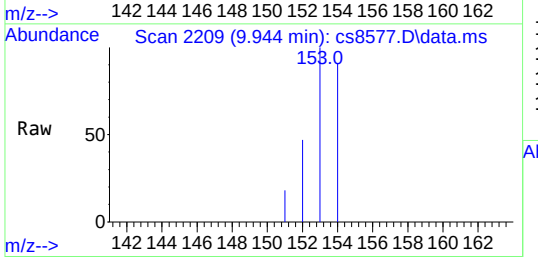


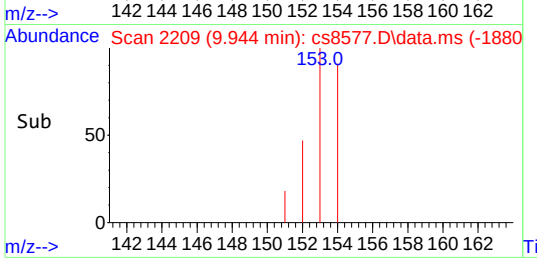


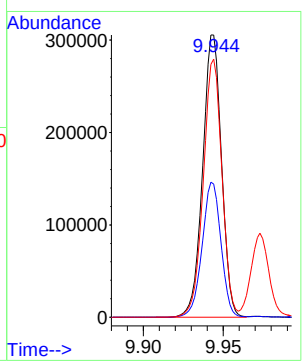
#14
Acenaphthene
Concen: 1853.20 ppb
RT: 9.944 min Scan# 2209
Delta R.T. 0.002 min
Lab File: cs8577.D
Acq: 17 Sep 2025 03:29 pm

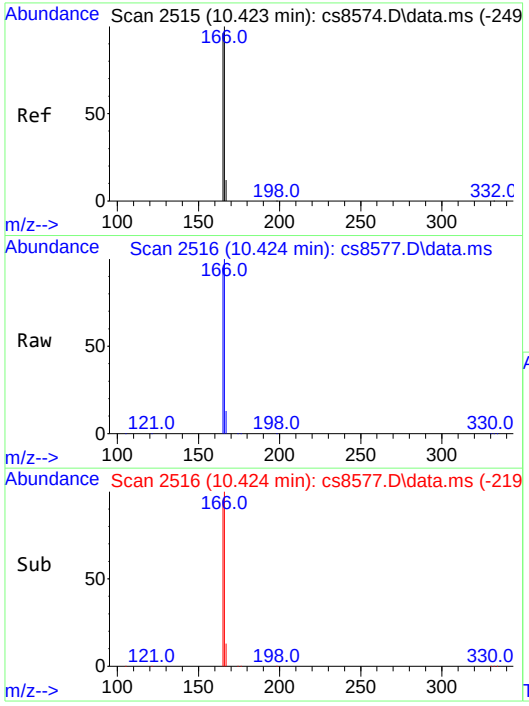
Tgt Ion:153 Resp: 250132

Ion	Ratio	Lower	Upper
153	100		
152	47.1	17.7	77.7
154	87.7	59.5	119.5





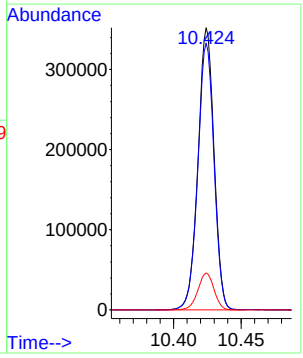


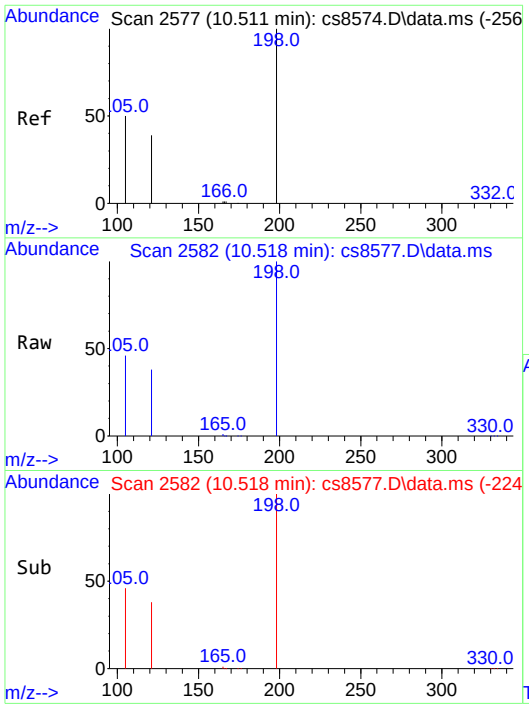


#15
Fluorene
Concen: 1913.08 ppb
RT: 10.424 min Scan# 2516
Delta R.T. 0.001 min
Lab File: cs8577.D
Acq: 17 Sep 2025 03:29 pm

Tgt Ion:166 Resp: 291682

Ion	Ratio	Lower	Upper
166	100		
165	94.6	65.7	125.7
167	13.1	0.0	42.4

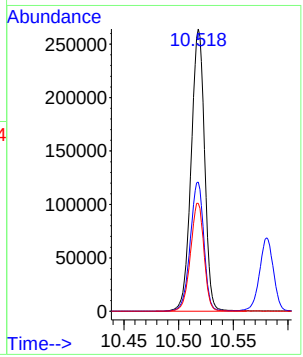


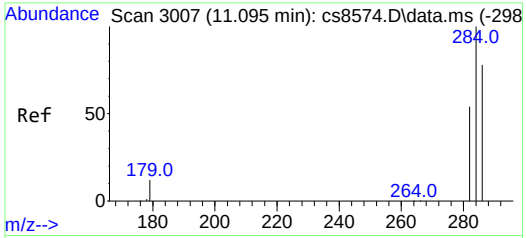


#16
4,6-dinitro-2-methylphenol
Concen: 16549.92 ppb
RT: 10.518 min Scan# 2582
Delta R.T. 0.007 min
Lab File: cs8577.D
Acq: 17 Sep 2025 03:29 pm

Tgt Ion:198 Resp: 225979

Ion	Ratio	Lower	Upper
198	100		
105	45.4	29.9	69.9
121	38.2	19.3	59.3

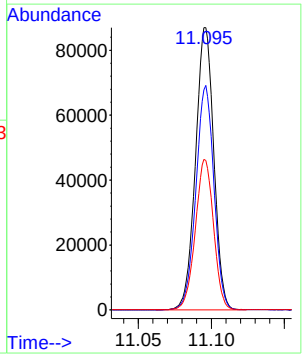


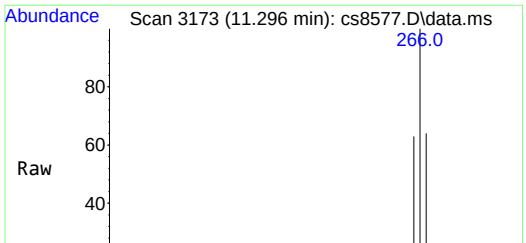


#19
Hexachlorobenzene
Concen: 1977.49 ppb
RT: 11.095 min Scan# 3007
Delta R.T. -0.000 min
Lab File: cs8577.D
Acq: 17 Sep 2025 03:29 pm

Tgt Ion:284 Resp: 75614

Ion	Ratio	Lower	Upper
284	100		
286	77.9	48.0	108.0
282	53.3	23.8	83.8

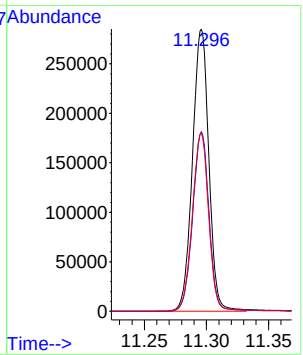


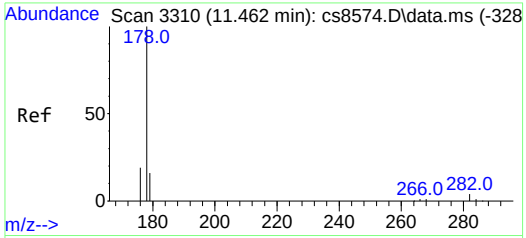


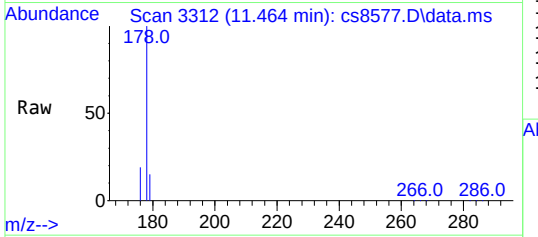
#20
Pentachlorophenol
Concen: 13372.96 ppb
RT: 11.296 min Scan# 3173
Delta R.T. 0.002 min
Lab File: cs8577.D
Acq: 17 Sep 2025 03:29 pm

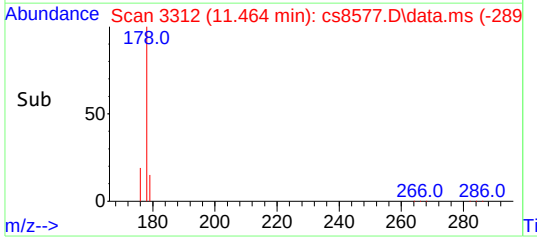
Tgt Ion:266 Resp: 261670

Ion	Ratio	Lower	Upper
266	100		
268	63.3	43.1	83.1
264	63.2	43.0	83.0





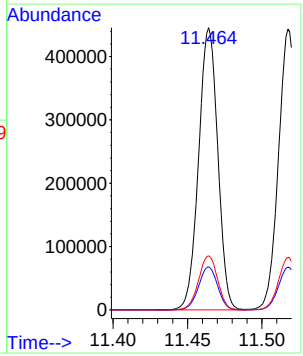


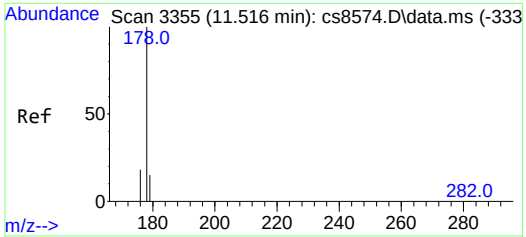


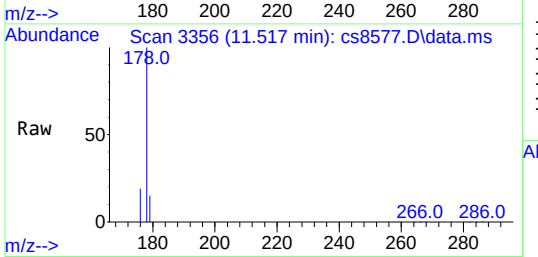
#21
Phenanthrene
Concen: 1940.06 ppb
RT: 11.464 min Scan# 3312
Delta R.T. 0.002 min
Lab File: cs8577.D
Acq: 17 Sep 2025 03:29 pm

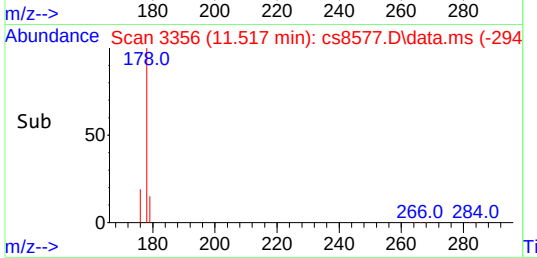
Tgt Ion:178 Resp: 397782

Ion	Ratio	Lower	Upper
178	100		
179	15.3	0.0	45.7
176	19.2	0.0	49.2





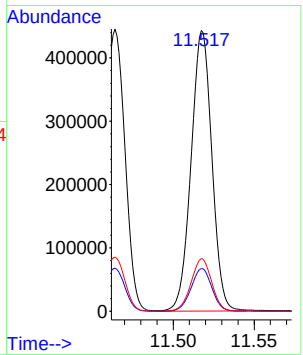


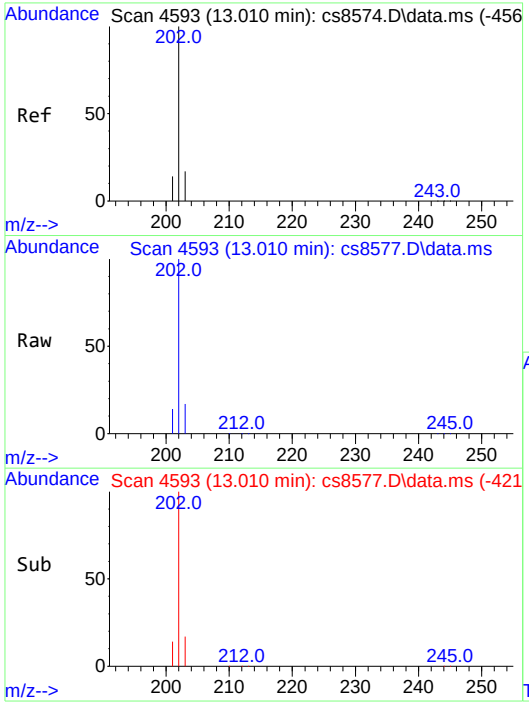


#22
Anthracene
Concen: 2029.01 ppb
RT: 11.517 min Scan# 3356
Delta R.T. 0.001 min
Lab File: cs8577.D
Acq: 17 Sep 2025 03:29 pm

Tgt Ion:178 Resp: 394237

Ion	Ratio	Lower	Upper
178	100		
179	15.2	0.0	45.2
176	18.7	0.0	48.4

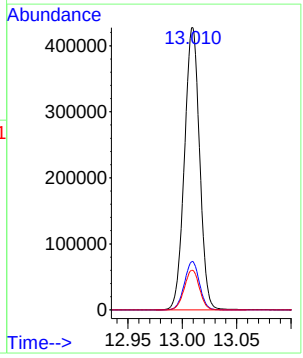


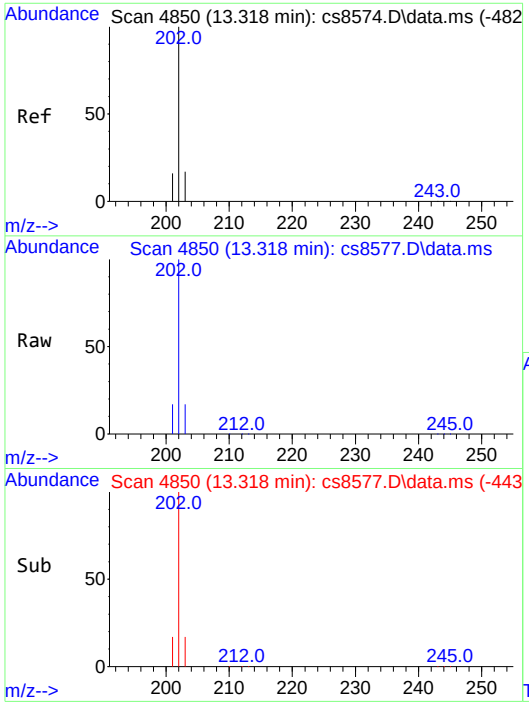


#23
Fluoranthene
Concen: 1925.77 ppb
RT: 13.010 min Scan# 4593
Delta R.T. -0.000 min
Lab File: cs8577.D
Acq: 17 Sep 2025 03:29 pm

Tgt Ion:202 Resp: 413370

Ion	Ratio	Lower	Upper
202	100		
203	17.2	0.0	47.2
201	14.0	0.0	44.0

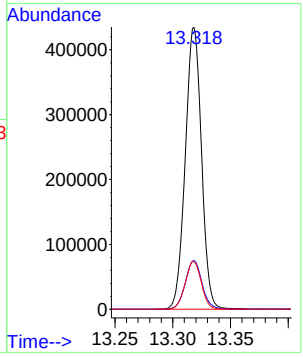


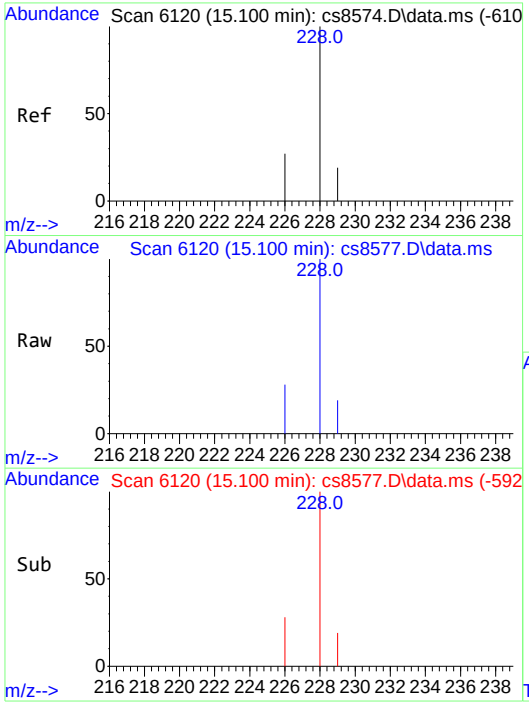


#24
Pyrene
Concen: 1940.46 ppb
RT: 13.318 min Scan# 4850
Delta R.T. -0.000 min
Lab File: cs8577.D
Acq: 17 Sep 2025 03:29 pm

Tgt Ion:202 Resp: 423178

Ion	Ratio	Lower	Upper
202	100		
203	17.3	0.0	47.1
201	16.8	0.0	46.4

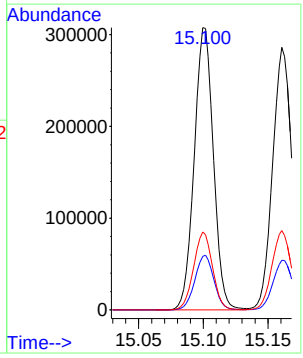


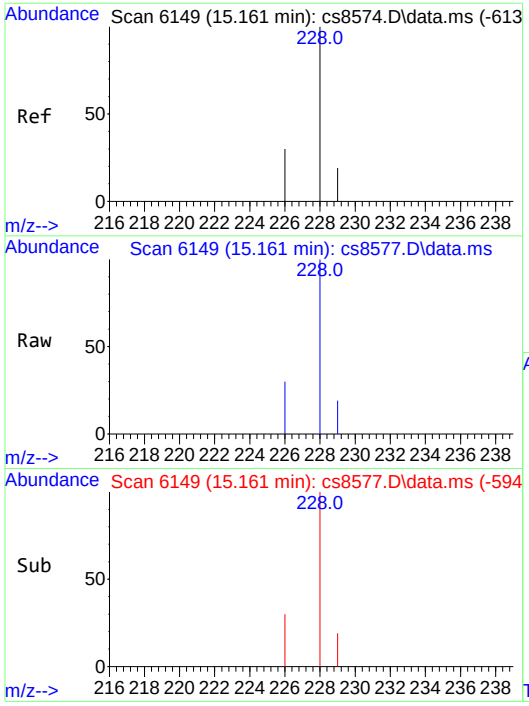


#26
Benzo[a]anthracene
Concen: 1988.99 ppb
RT: 15.100 min Scan# 6120
Delta R.T. -0.000 min
Lab File: cs8577.D
Acq: 17 Sep 2025 03:29 pm

Tgt Ion:228 Resp: 316299

Ion	Ratio	Lower	Upper
228	100		
229	19.0	0.0	49.1
226	27.6	0.0	57.0

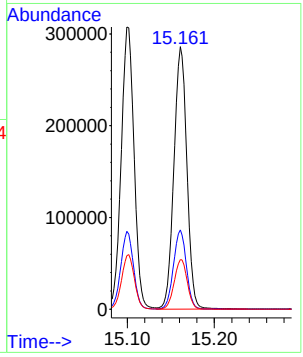


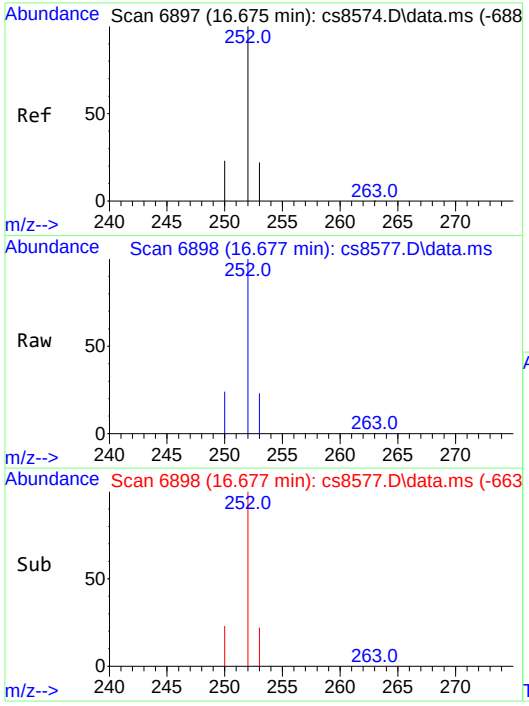


#27
Chrysene
Concen: 1847.75 ppb
RT: 15.161 min Scan# 6149
Delta R.T. -0.000 min
Lab File: cs8577.D
Acq: 17 Sep 2025 03:29 pm

Tgt Ion:228 Resp: 295788

Ion	Ratio	Lower	Upper
228	100		
226	30.2	0.0	59.6
229	18.9	0.0	49.1

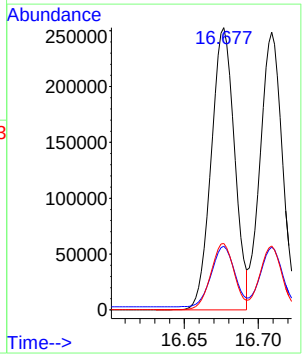


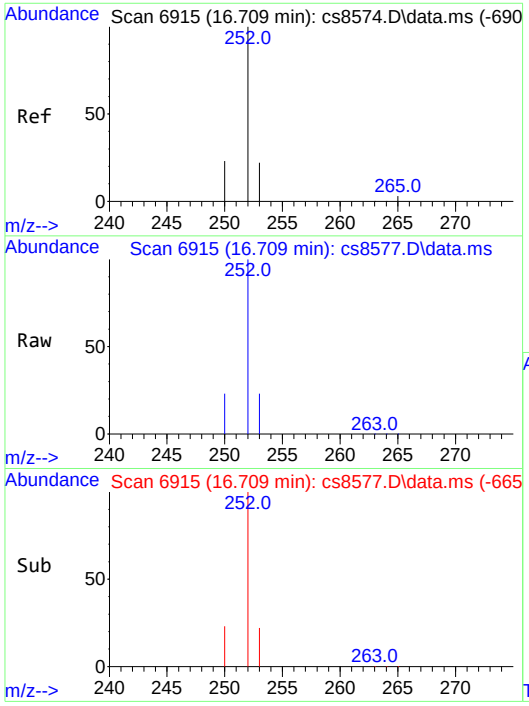


#29
Benzo[b]fluoranthene
Concen: 1955.42 ppb
RT: 16.677 min Scan# 6898
Delta R.T. 0.002 min
Lab File: cs8577.D
Acq: 17 Sep 2025 03:29 pm

Tgt Ion:252 Resp: 274888

Ion	Ratio	Lower	Upper
252	100		
253	21.4	0.0	51.5
250	23.5	0.0	53.4

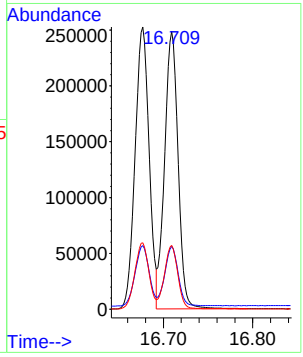


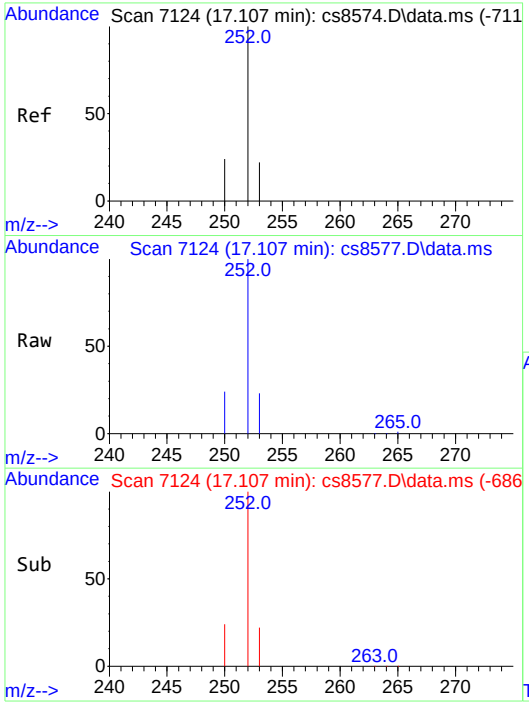


#30
Benzo[k]fluoranthene
Concen: 1916.40 ppb
RT: 16.709 min Scan# 6915
Delta R.T. -0.000 min
Lab File: cs8577.D
Acq: 17 Sep 2025 03:29 pm

Tgt Ion:252 Resp: 261573

Ion	Ratio	Lower	Upper
252	100		
253	21.5	0.0	51.3
250	22.9	0.0	53.2

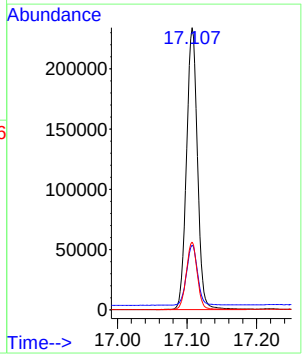


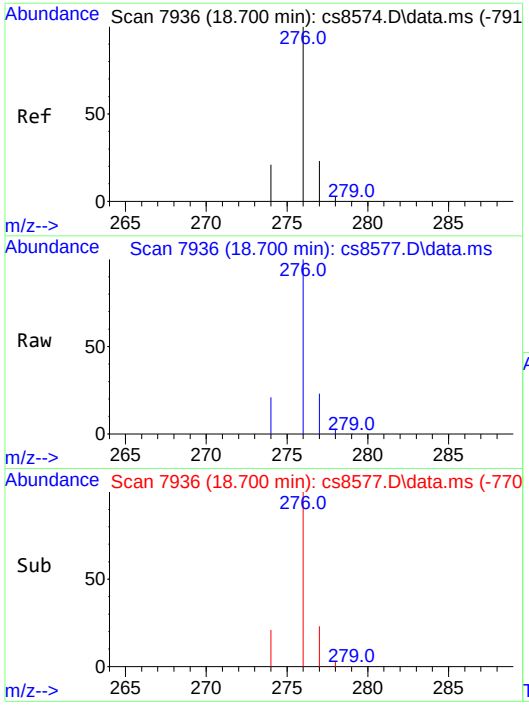


#31
Benzo[a]pyrene
Concen: 1974.82 ppb
RT: 17.107 min Scan# 7124
Delta R.T. -0.000 min
Lab File: cs8577.D
Acq: 17 Sep 2025 03:29 pm

Tgt Ion:252 Resp: 256016

Ion	Ratio	Lower	Upper
252	100		
253	21.3	0.0	51.3
250	23.9	0.0	53.7

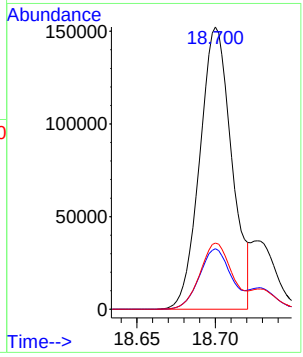


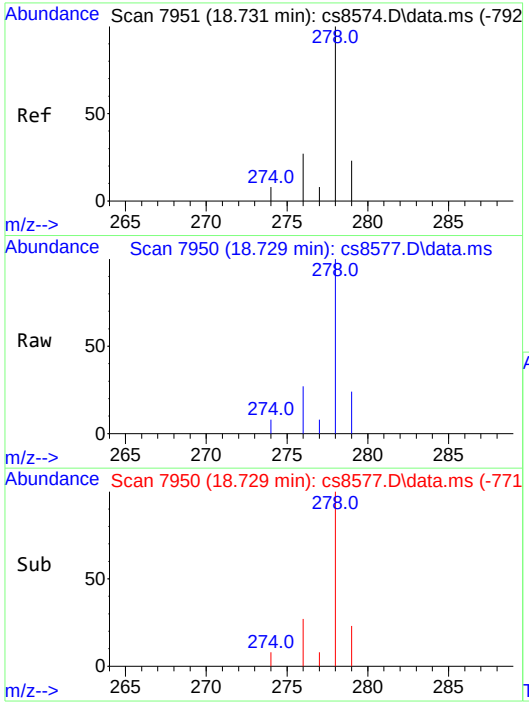


#32
Indeno[1,2,3-cd]pyrene
Concen: 2037.43 ppb m
RT: 18.700 min Scan# 7936
Delta R.T. -0.000 min
Lab File: cs8577.D
Acq: 17 Sep 2025 03:29 pm

Tgt Ion:276 Resp: 215645

Ion	Ratio	Lower	Upper
276	100		
274	21.5	0.0	50.4
277	23.4	0.0	52.4

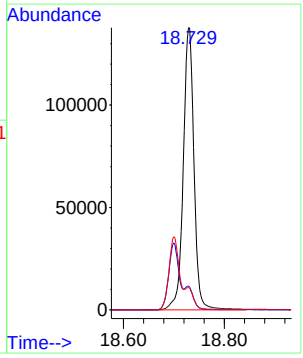


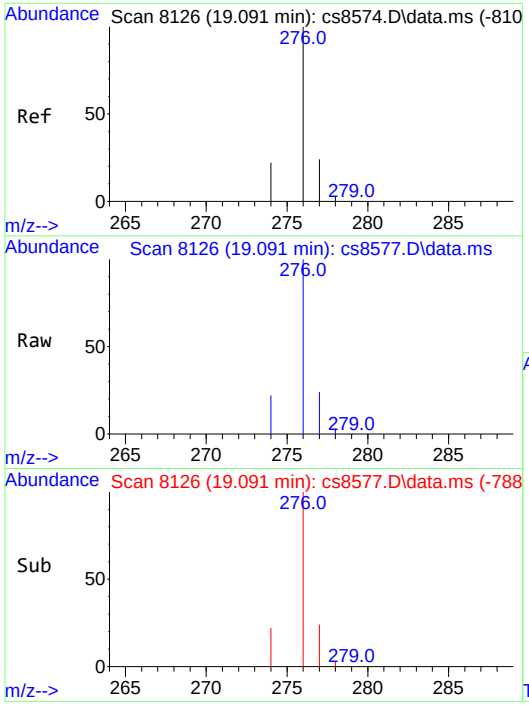


#33
Dibenz[a,h]anthracene
Concen: 2024.21 ppb
RT: 18.729 min Scan# 7950
Delta R.T. -0.002 min
Lab File: cs8577.D
Acq: 17 Sep 2025 03:29 pm

Tgt Ion:278 Resp: 202717

Ion	Ratio	Lower	Upper
278	100		
274	8.4	0.0	38.4
277	7.9	0.0	37.8

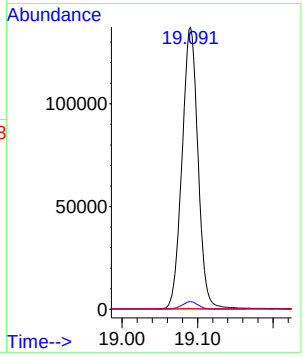




#34
Benzo[g,h,i]perylene
Concen: 1962.65 ppb
RT: 19.091 min Scan# 8126
Delta R.T. -0.000 min
Lab File: cs8577.D
Acq: 17 Sep 2025 03:29 pm

Tgt Ion:276 Resp: 201983

Ion	Ratio	Lower	Upper
276	100		
278	2.6	0.0	32.6
279	0.2	0.0	30.2



Manual Integration Approval Summary

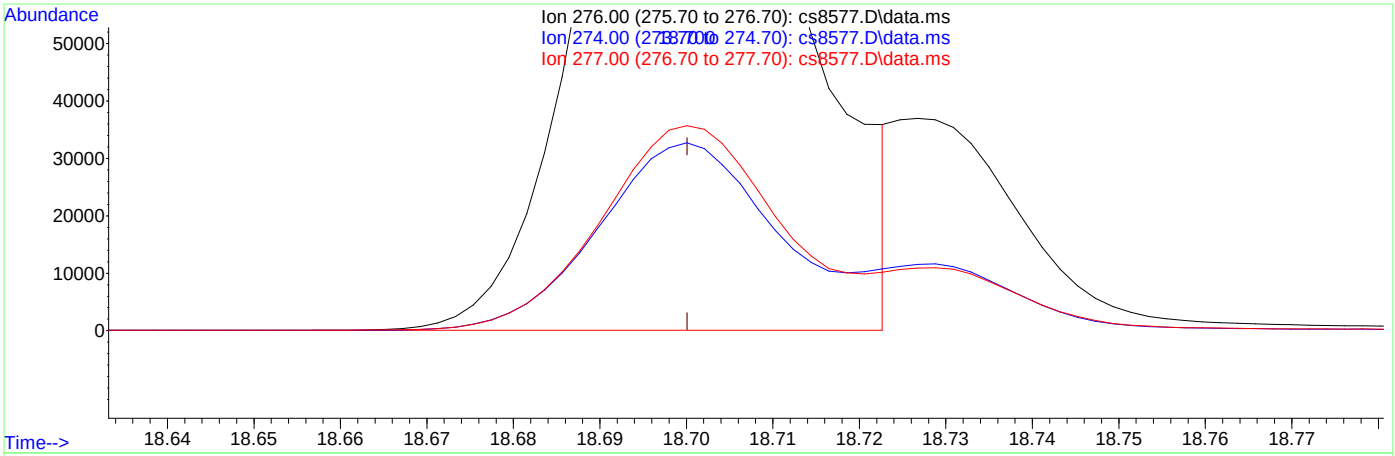
Sample Number: ECS446-IC446
Lab FileID: CS8577.D
Injection Time: 09/17/25 15:29
Method: SW846 8270E BY SIM
Analyst approved: 09/17/25 18:29 Rocquan Salters
Supervisor approved: 09/18/25 10:52 Ying Li

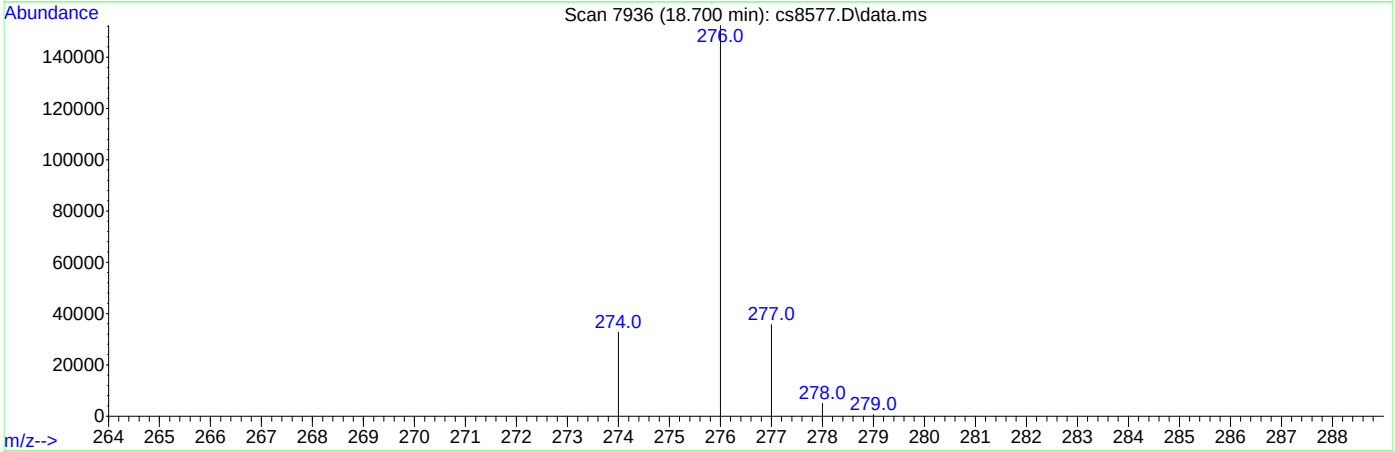
Parameter	CAS	Sig#	R.T. (min.)	Reason
Indeno(1,2,3-cd)pyrene	193-39-5		18.70	Baseline ripple

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8577.D
Acq On : 17 Sep 2025 03:29 pm
Operator : rocquans
Sample : ic446-2
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 51 Sample Multiplier: 1

Quant Time: Sep 17 16:38:41 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration





TIC: cs8577.D\data.ms

(32) Indeno[1,2,3-cd]pyrene (t)

18.700min (-0.000) 2076.68ppb

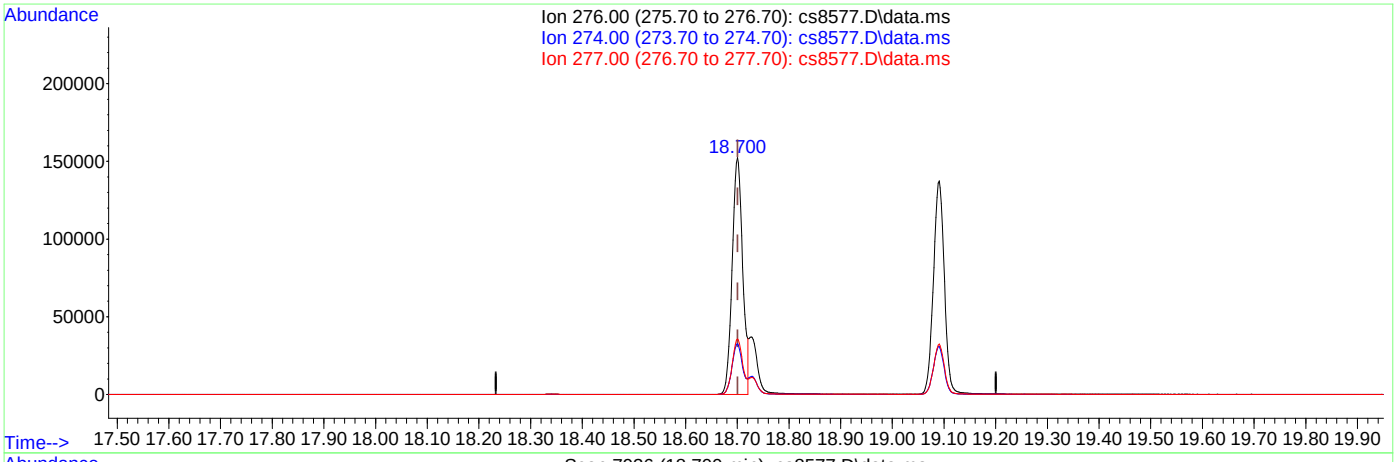
response 219800

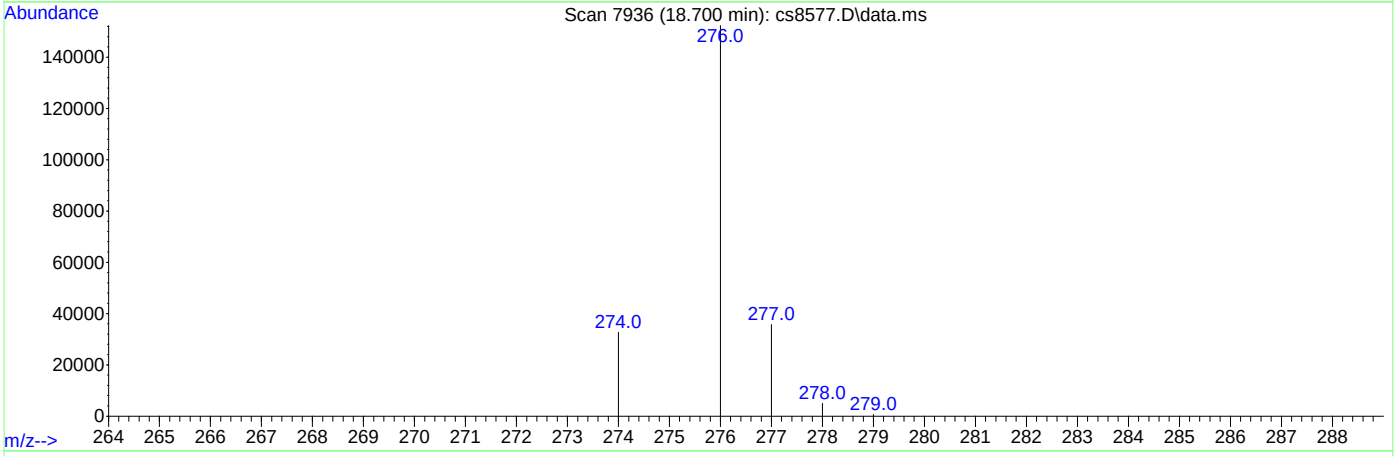
Ion	Exp%	Act%
276.00	100	100
274.00	20.40	20.33
277.00	22.40	22.75
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8577.D
Acq On : 17 Sep 2025 03:29 pm
Operator : rocquans
Sample : ic446-2
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 51 Sample Multiplier: 1

Quant Time: Sep 17 16:38:41 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration





TIC: cs8577.D\data.ms

(32) Indeno[1,2,3-cd]pyrene (t)

18.700min (-0.000) 2037.43ppb m

response 215645

Ion	Exp%	Act%
276.00	100	100
274.00	20.40	21.48
277.00	22.40	23.44
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8578.D
Acq On : 17 Sep 2025 03:56 pm
Operator : rocquans
Sample : icv446-0.2
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 17 17:28:32 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 17:26:33 2025
Response via : Initial Calibration

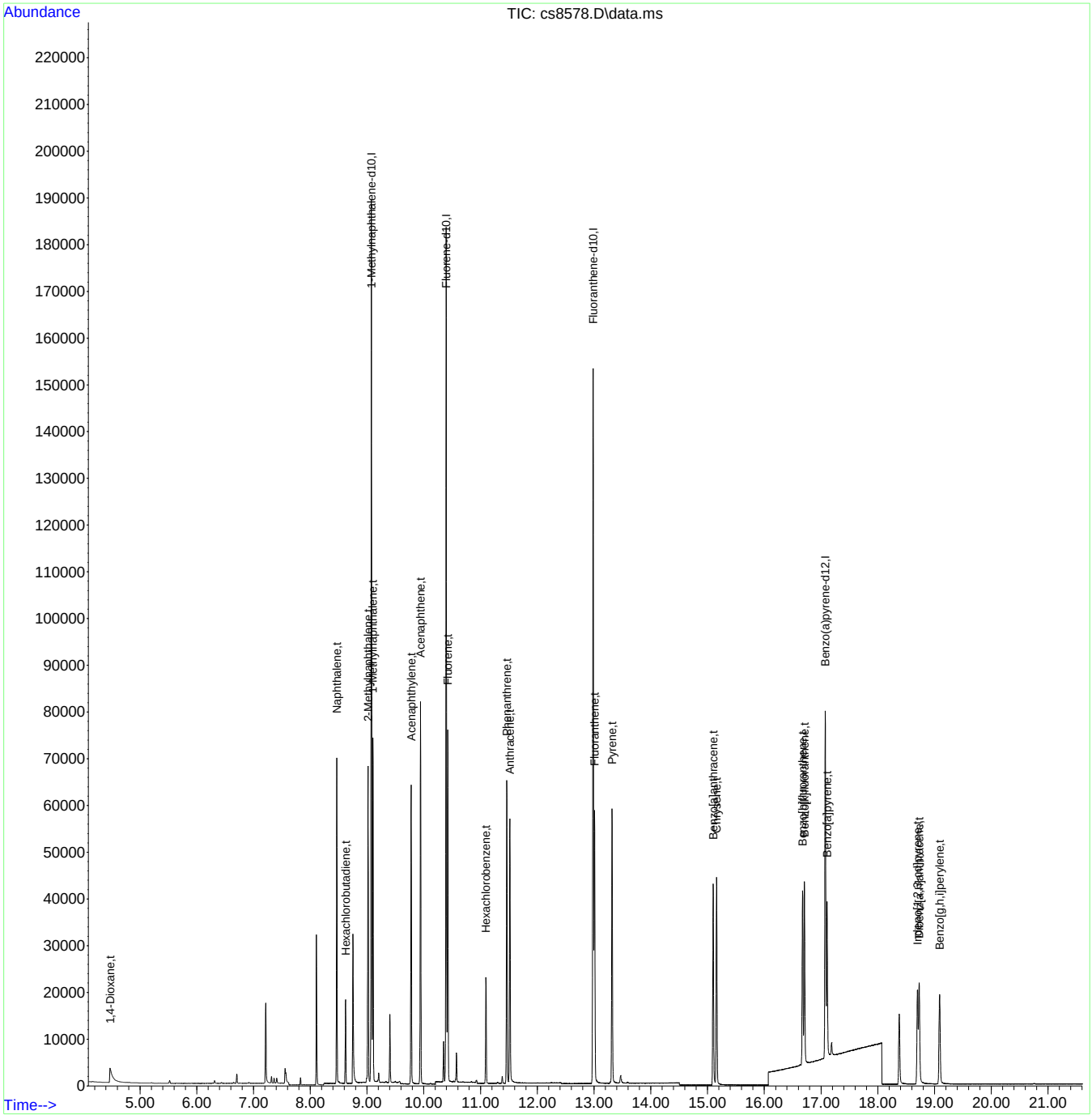
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	9.077	150	58487	800.00	ppb	0.00
11) Fluorene-d10	10.394	176	75874	800.00	ppb	0.00
18) Fluoranthene-d10	12.983	212	113938	800.00	ppb	0.00
28) Benzo(a)pyrene-d12	17.075	264	62103	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	0.000	112	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
4) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
6) Nitrobenzene-d5	0.000	82	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
12) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
17) 2,4,6-Tribromophenol	0.000	330	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
25) Terphenyl-d14	0.000	244	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	4.474	88	5213	201.48	ppb	97
7) Naphthalene	8.467	128	43801	208.64	ppb	100
8) Hexachlorobutadiene	8.622	225	6249	203.27	ppb	99
9) 2-Methylnaphthalene	9.017	141	21257	182.33	ppb	98
10) 1-Methylnaphthalene	9.105	141	23089	208.14	ppb	99
13) Acenaphthylene	9.777	152	39616	213.62	ppb	99
14) Acenaphthene	9.942	153	25986	201.38	ppb	99
15) Fluorene	10.423	166	29577	200.78	ppb	98
19) Hexachlorobenzene	11.095	284	8047	207.05	ppb	99
21) Phenanthrene	11.463	178	42229	208.97	ppb	99
22) Anthracene	11.516	178	38960	209.08	ppb	99
23) Fluoranthene	13.009	202	42873	202.11	ppb	100
24) Pyrene	13.317	202	42989	199.47	ppb	99
26) Benzo[a]anthracene	15.100	228	31019	199.33	ppb	99
27) Chrysene	15.159	228	31165	201.76	ppb	99
29) Benzo[b]fluoranthene	16.675	252	27193	200.37	ppb	100
30) Benzo[k]fluoranthene	16.707	252	28551	225.60	ppb	97
31) Benzo[a]pyrene	17.105	252	25197	200.22	ppb	99
32) Indeno[1,2,3-cd]pyrene	18.700	276	20257	204.08	ppb	100
33) Dibenz[a,h]anthracene	18.729	278	19392	208.39	ppb	99
34) Benzo[g,h,i]perylene	19.089	276	19763	199.72	ppb	100

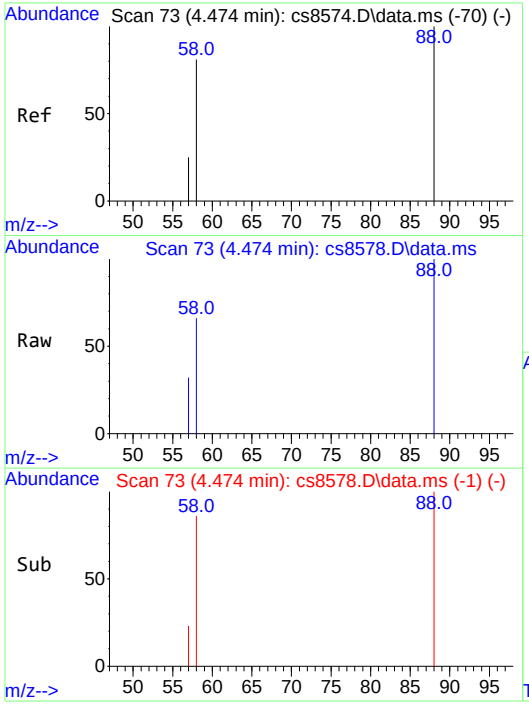
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8578.D
Acq On : 17 Sep 2025 03:56 pm
Operator : rocquans
Sample : icv446-0.2
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 17 17:28:32 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 17:26:33 2025
Response via : Initial Calibration

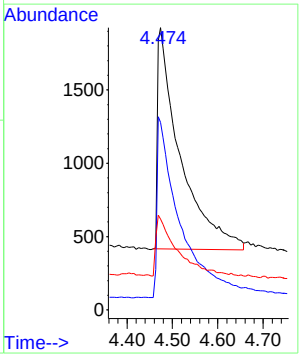


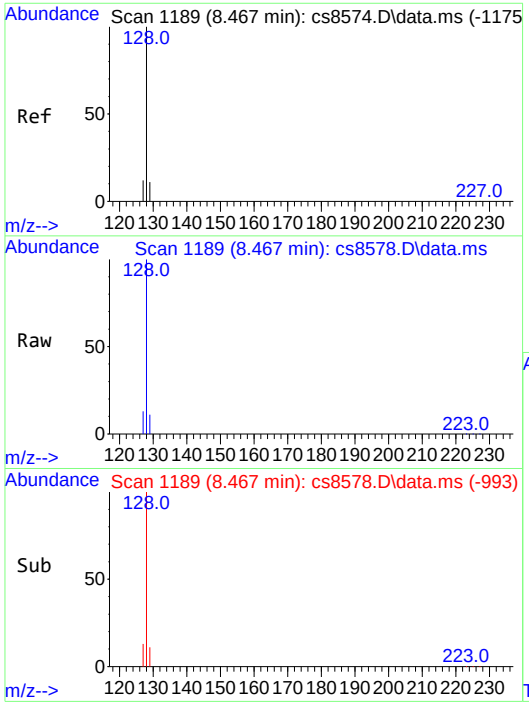


#2
1,4-Dioxane
Concen: 201.48 ppb
RT: 4.474 min Scan# 73
Delta R.T. -0.000 min
Lab File: cs8578.D
Acq: 17 Sep 2025 03:56 pm

Tgt Ion: 88 Resp: 5213

Ion	Ratio	Lower	Upper
88	100		
58	78.0	61.3	101.3
57	26.0	5.8	45.8

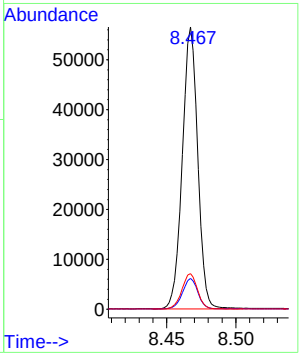


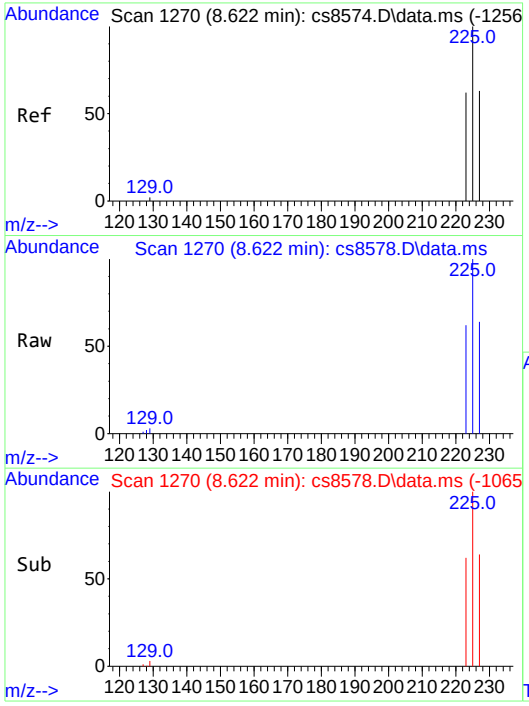


#7
Naphthalene
Concen: 208.64 ppb
RT: 8.467 min Scan# 1189
Delta R.T. 0.000 min
Lab File: cs8578.D
Acq: 17 Sep 2025 03:56 pm

Tgt Ion:128 Resp: 43801

Ion	Ratio	Lower	Upper
128	100		
129	10.8	0.0	40.8
127	12.5	0.0	42.4

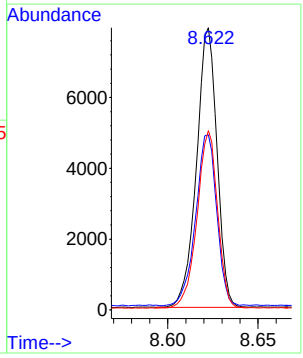


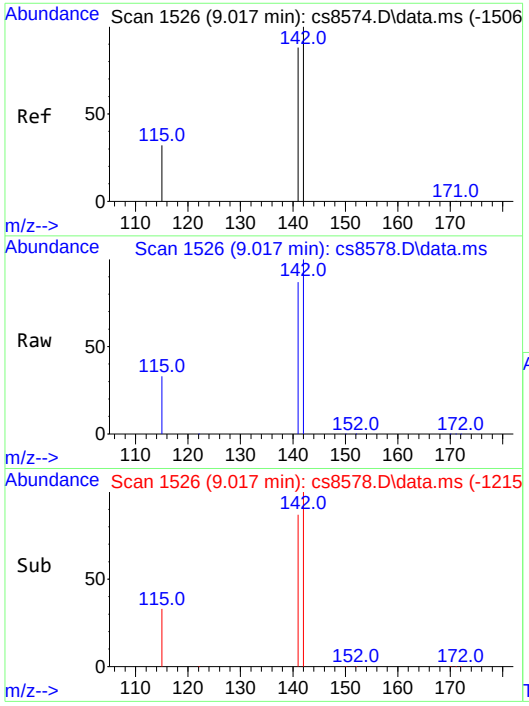


#8
Hexachlorobutadiene
Concen: 203.27 ppb
RT: 8.622 min Scan# 1270
Delta R.T. 0.000 min
Lab File: cs8578.D
Acq: 17 Sep 2025 03:56 pm

Tgt Ion:225 Resp: 6249

Ion	Ratio	Lower	Upper
225	100		
223	60.9	31.8	91.8
227	63.5	32.6	92.6

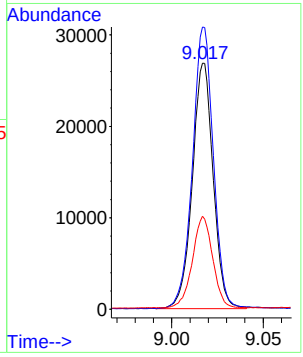


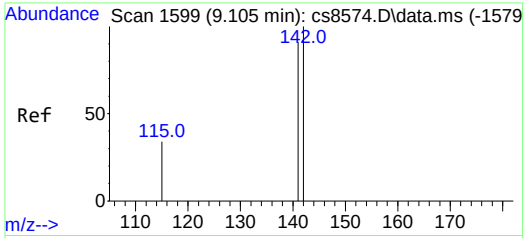


#9
2-Methylnaphthalene
Concen: 182.33 ppb
RT: 9.017 min Scan# 1526
Delta R.T. -0.000 min
Lab File: cs8578.D
Acq: 17 Sep 2025 03:56 pm

Tgt Ion:141 Resp: 21257

Ion	Ratio	Lower	Upper
141	100		
142	114.8	83.1	143.1
115	37.4	5.8	65.8

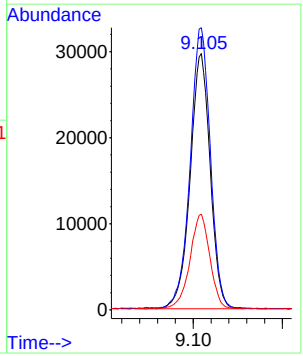


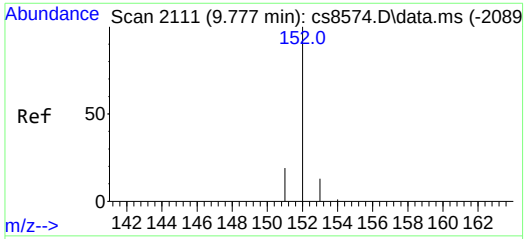


#10
1-Methylnaphthalene
Concen: 208.14 ppb
RT: 9.105 min Scan# 1599
Delta R.T. -0.000 min
Lab File: cs8578.D
Acq: 17 Sep 2025 03:56 pm

Tgt Ion:141 Resp: 23089

Ion	Ratio	Lower	Upper
141	100		
142	110.0	80.8	140.8
115	37.0	7.2	67.2

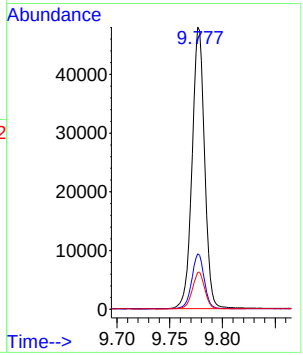


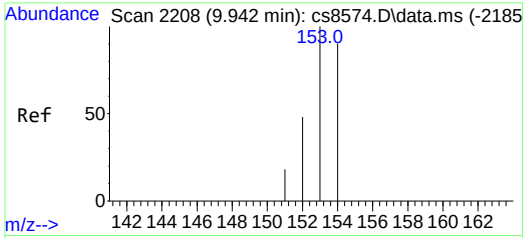


#13
Acenaphthylene
Concen: 213.62 ppb
RT: 9.777 min Scan# 2111
Delta R.T. -0.000 min
Lab File: cs8578.D
Acq: 17 Sep 2025 03:56 pm

Tgt Ion:152 Resp: 39616

Ion	Ratio	Lower	Upper
152	100		
151	19.5	0.0	49.3
153	13.0	0.0	42.7

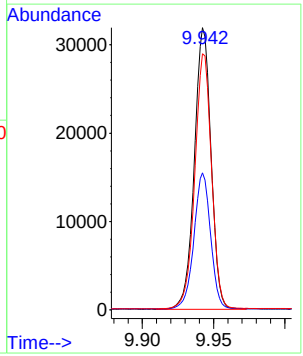


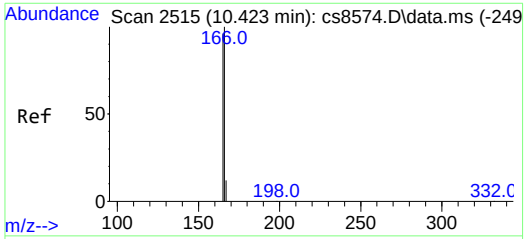


#14
Acenaphthene
Concen: 201.38 ppb
RT: 9.942 min Scan# 2208
Delta R.T. 0.000 min
Lab File: cs8578.D
Acq: 17 Sep 2025 03:56 pm

Tgt Ion:153 Resp: 25986

Ion	Ratio	Lower	Upper
153	100		
152	48.3	17.7	77.7
154	90.5	59.5	119.5

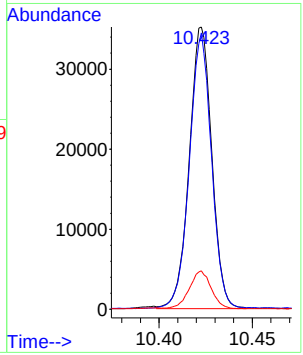


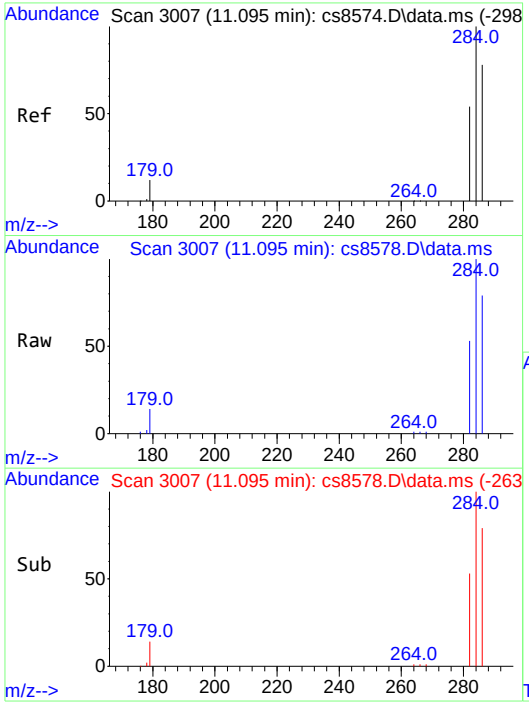


#15
Fluorene
Concen: 200.78 ppb
RT: 10.423 min Scan# 2515
Delta R.T. -0.000 min
Lab File: cs8578.D
Acq: 17 Sep 2025 03:56 pm

Tgt Ion:166 Resp: 29577

Ion	Ratio	Lower	Upper
166	100		
165	98.0	65.7	125.7
167	13.3	0.0	42.4

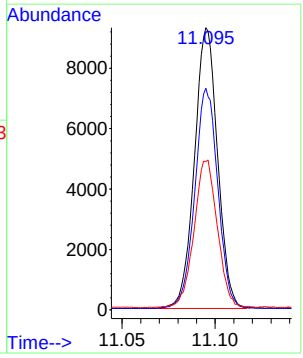


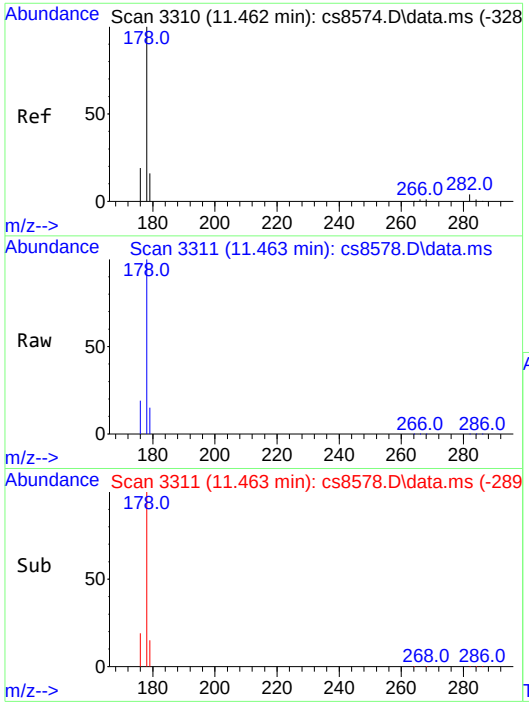


#19
Hexachlorobenzene
Concen: 207.05 ppb
RT: 11.095 min Scan# 3007
Delta R.T. 0.000 min
Lab File: cs8578.D
Acq: 17 Sep 2025 03:56 pm

Tgt Ion:284 Resp: 8047

Ion	Ratio	Lower	Upper
284	100		
286	78.4	48.0	108.0
282	51.8	23.8	83.8

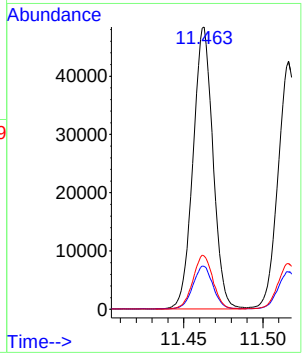


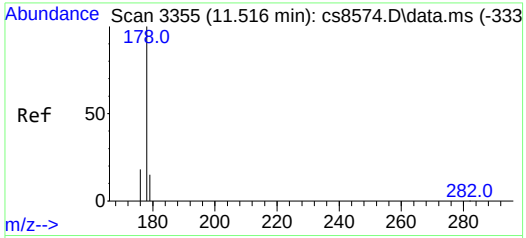


#21
Phenanthrene
Concen: 208.97 ppb
RT: 11.463 min Scan# 3311
Delta R.T. 0.001 min
Lab File: cs8578.D
Acq: 17 Sep 2025 03:56 pm

Tgt Ion:178 Resp: 42229

Ion	Ratio	Lower	Upper
178	100		
179	15.0	0.0	45.7
176	18.7	0.0	49.2

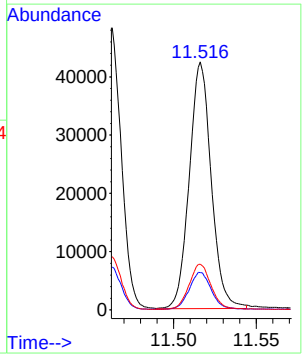


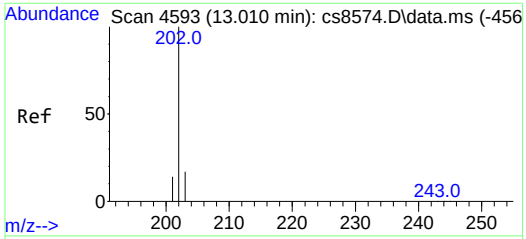


#22
Anthracene
Concen: 209.08 ppb
RT: 11.516 min Scan# 3355
Delta R.T. 0.000 min
Lab File: cs8578.D
Acq: 17 Sep 2025 03:56 pm

Tgt Ion:178 Resp: 38960

Ion	Ratio	Lower	Upper
178	100		
179	14.8	0.0	45.2
176	18.3	0.0	48.4

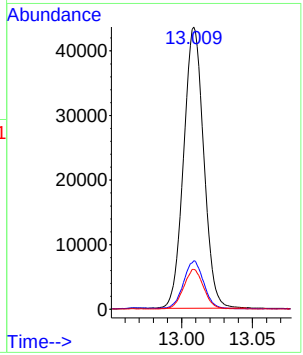


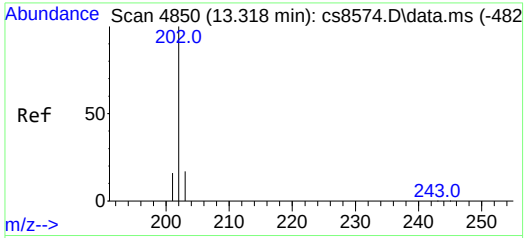


#23
Fluoranthene
Concen: 202.11 ppb
RT: 13.009 min Scan# 4592
Delta R.T. -0.002 min
Lab File: cs8578.D
Acq: 17 Sep 2025 03:56 pm

Tgt Ion:202 Resp: 42873

Ion	Ratio	Lower	Upper
202	100		
203	17.0	0.0	47.2
201	14.1	0.0	44.0

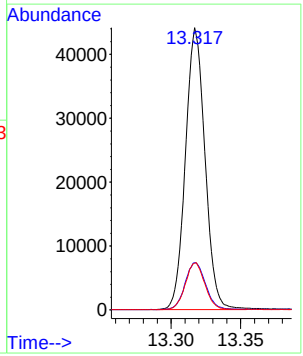


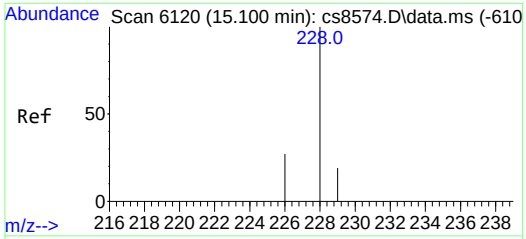


#24
Pyrene
Concen: 199.47 ppb
RT: 13.317 min Scan# 4849
Delta R.T. -0.001 min
Lab File: cs8578.D
Acq: 17 Sep 2025 03:56 pm

Tgt Ion:202 Resp: 42989

Ion	Ratio	Lower	Upper
202	100		
203	16.7	0.0	47.1
201	16.4	0.0	46.4

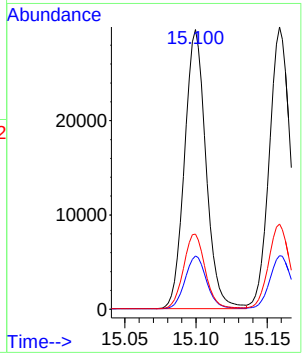


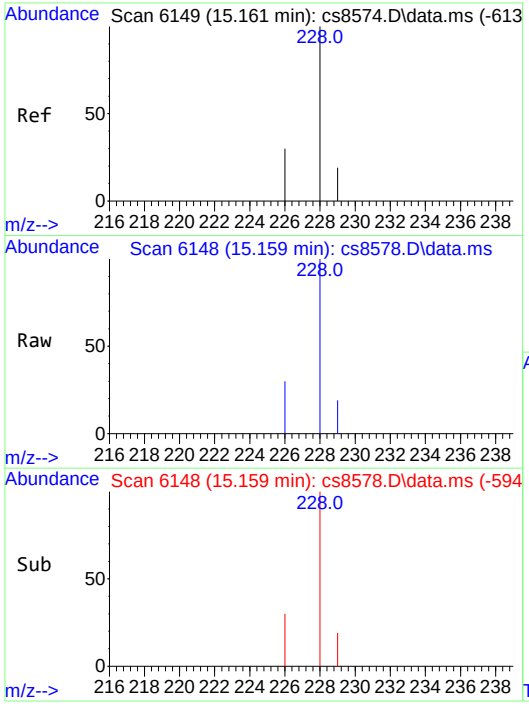


#26
Benzo[a]anthracene
Concen: 199.33 ppb
RT: 15.100 min Scan# 6120
Delta R.T. -0.000 min
Lab File: cs8578.D
Acq: 17 Sep 2025 03:56 pm

Tgt Ion:228 Resp: 31019

Ion	Ratio	Lower	Upper
228	100		
229	18.9	0.0	49.1
226	26.7	0.0	57.0

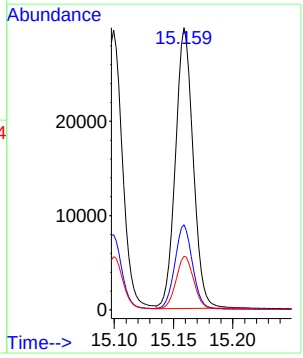


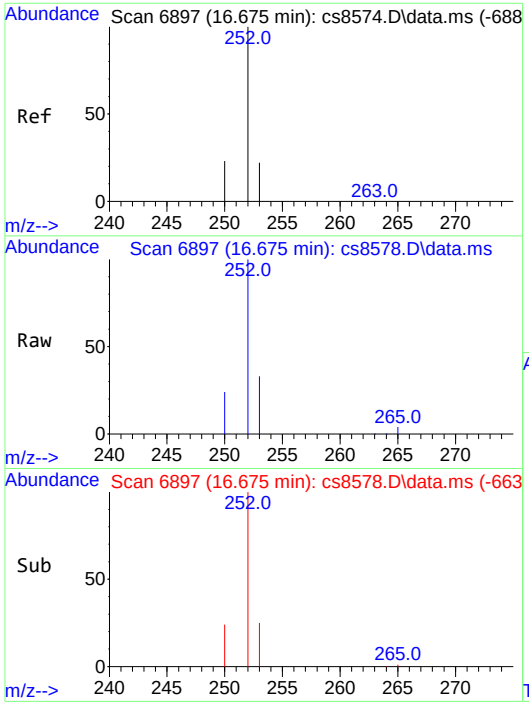


#27
Chrysene
Concen: 201.76 ppb
RT: 15.159 min Scan# 6148
Delta R.T. -0.002 min
Lab File: cs8578.D
Acq: 17 Sep 2025 03:56 pm

Tgt Ion:228 Resp: 31165

Ion	Ratio	Lower	Upper
228	100		
226	30.0	0.0	59.6
229	18.8	0.0	49.1

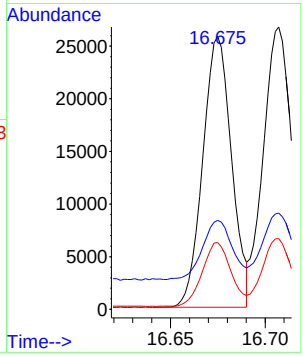


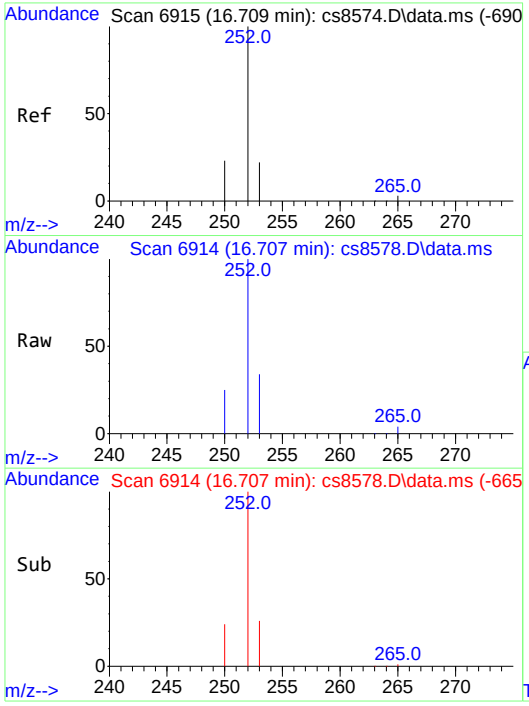


#29
Benzo[b]fluoranthene
Concen: 200.37 ppb
RT: 16.675 min Scan# 6897
Delta R.T. -0.000 min
Lab File: cs8578.D
Acq: 17 Sep 2025 03:56 pm

Tgt Ion:252 Resp: 27193

Ion	Ratio	Lower	Upper
252	100		
253	21.5	0.0	51.5
250	23.4	0.0	53.4

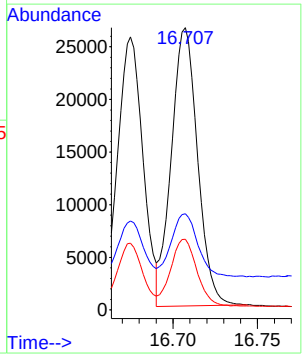


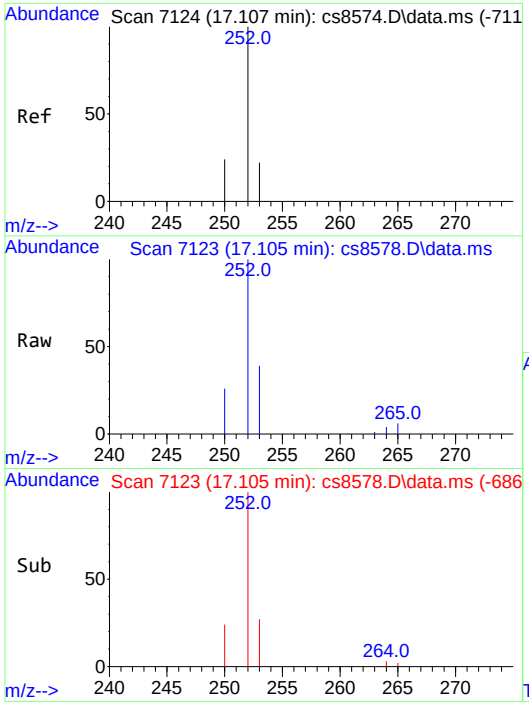


#30
Benzo[k]fluoranthene
Concen: 225.60 ppb
RT: 16.707 min Scan# 6914
Delta R.T. -0.002 min
Lab File: cs8578.D
Acq: 17 Sep 2025 03:56 pm

Tgt Ion:252 Resp: 28551

Ion	Ratio	Lower	Upper
252	100		
253	22.9	0.0	51.3
250	24.0	0.0	53.2

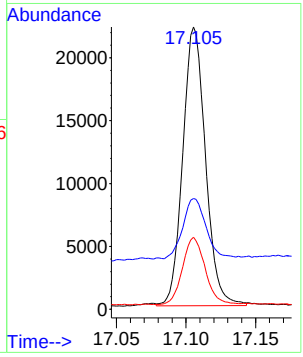


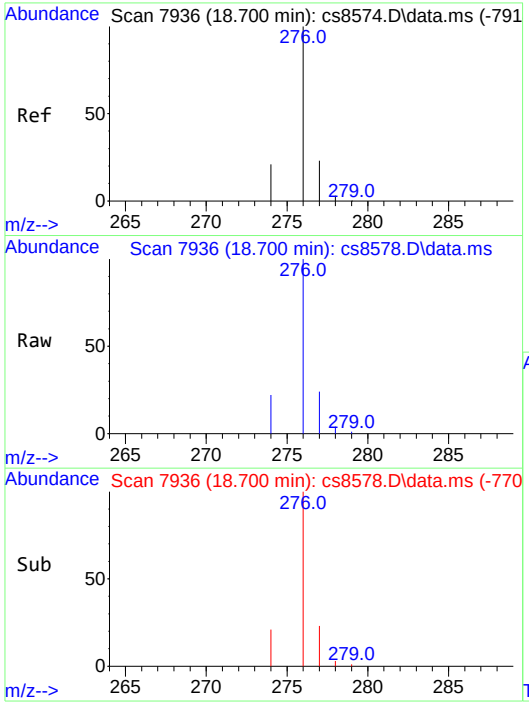


#31
Benzo[a]pyrene
Concen: 200.22 ppb
RT: 17.105 min Scan# 7123
Delta R.T. -0.002 min
Lab File: cs8578.D
Acq: 17 Sep 2025 03:56 pm

Tgt Ion:252 Resp: 25197

Ion	Ratio	Lower	Upper
252	100		
253	21.2	0.0	51.3
250	24.2	0.0	53.7

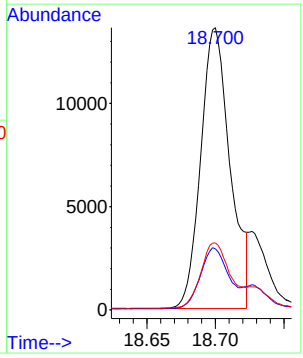


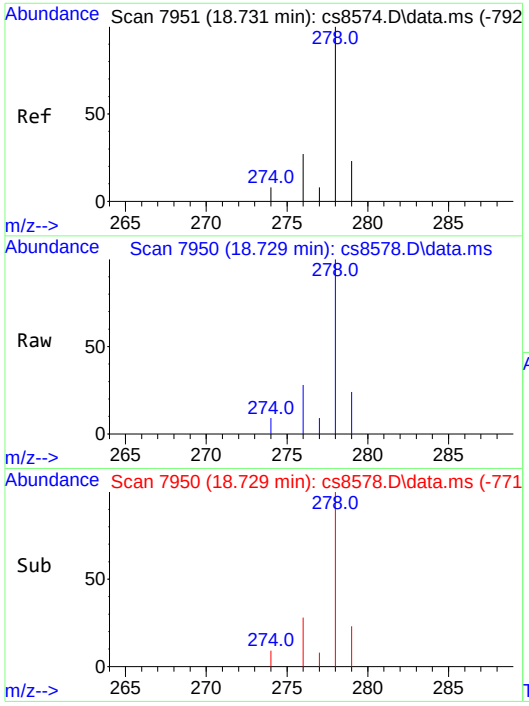


#32
Indeno[1,2,3-cd]pyrene
Concen: 204.08 ppb
RT: 18.700 min Scan# 7936
Delta R.T. 0.000 min
Lab File: cs8578.D
Acq: 17 Sep 2025 03:56 pm

Tgt Ion:276 Resp: 20257

Ion	Ratio	Lower	Upper
276	100		
274	20.1	0.0	50.4
277	22.6	0.0	52.4

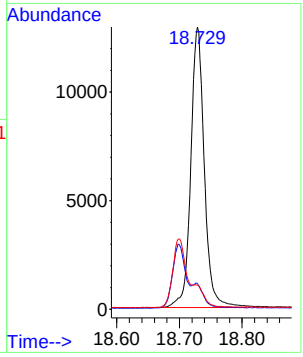


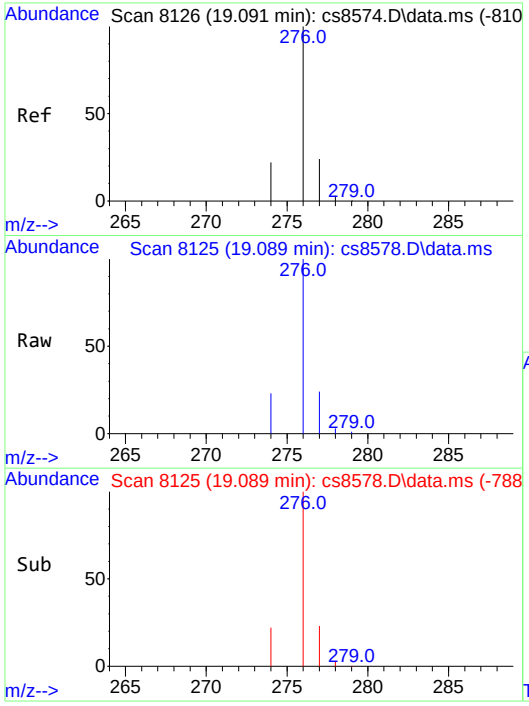


#33
Dibenz[a,h]anthracene
Concen: 208.39 ppb
RT: 18.729 min Scan# 7950
Delta R.T. -0.002 min
Lab File: cs8578.D
Acq: 17 Sep 2025 03:56 pm

Tgt Ion:278 Resp: 19392

Ion	Ratio	Lower	Upper
278	100		
274	8.7	0.0	38.4
277	8.0	0.0	37.8

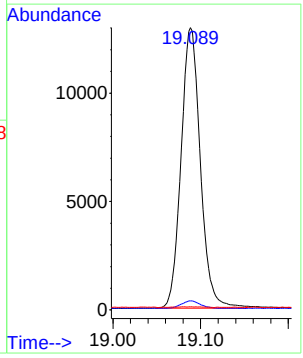




#34
Benzo[g,h,i]perylene
Concen: 199.72 ppb
RT: 19.089 min Scan# 8125
Delta R.T. -0.002 min
Lab File: cs8578.D
Acq: 17 Sep 2025 03:56 pm

Tgt Ion:276 Resp: 19763

Ion	Ratio	Lower	Upper
276	100		
278	2.6	0.0	32.6
279	0.2	0.0	30.2



9.6.11

9

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8579.D
Acq On : 17 Sep 2025 04:22 pm
Operator : rocquans
Sample : icv446-1
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Sep 17 17:36:04 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 17:26:33 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	9.075	150	58786	800.00	ppb	0.00
11) Fluorene-d10	10.394	176	77141	800.00	ppb	0.00
18) Fluoranthene-d10	12.983	212	114538	800.00	ppb	0.00
28) Benzo(a)pyrene-d12	17.074	264	60461	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	0.000	112	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
4) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
6) Nitrobenzene-d5	0.000	82	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
12) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
17) 2,4,6-Tribromophenol	0.000	330	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
25) Terphenyl-d14	0.000	244	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
Target Compounds						Qvalue
5) Phenol	7.198	94	88062	1144.99	ppb	97
16) 4,6-dinitro-2-methylph...	10.510	198	18599	1276.44	ppb	98
20) Pentachlorophenol	11.291	266	53707	2274.39	ppb	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

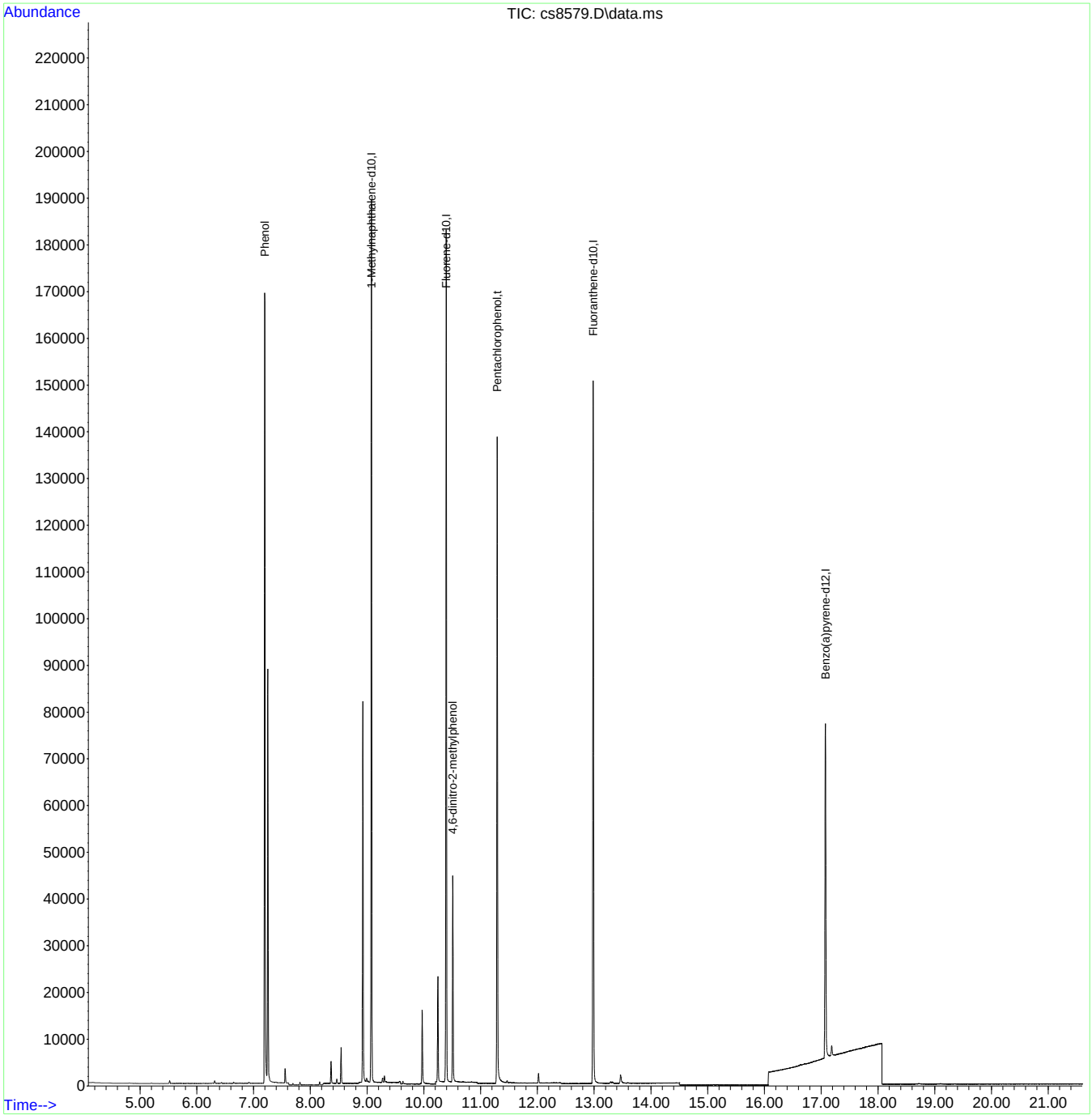
9.6.12

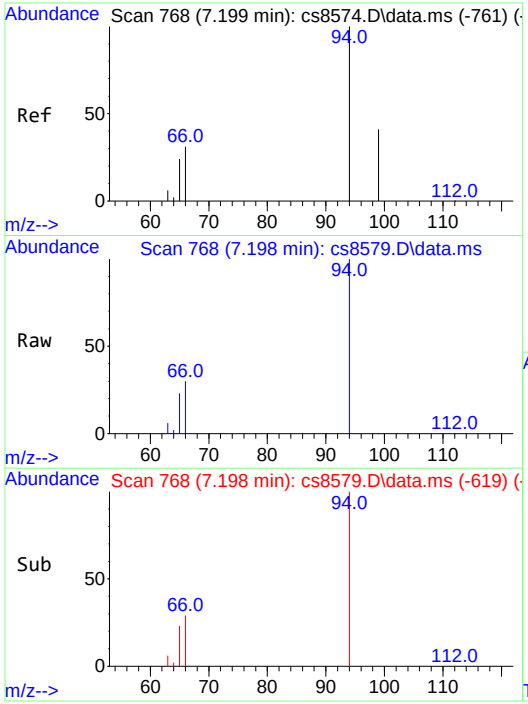
9

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8579.D
Acq On : 17 Sep 2025 04:22 pm
Operator : rocquans
Sample : icv446-1
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Sep 17 17:36:04 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 17:26:33 2025
Response via : Initial Calibration

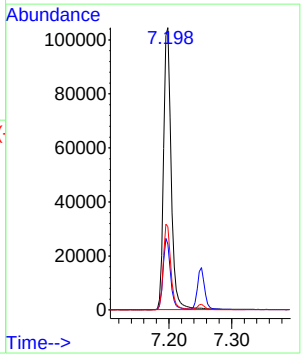


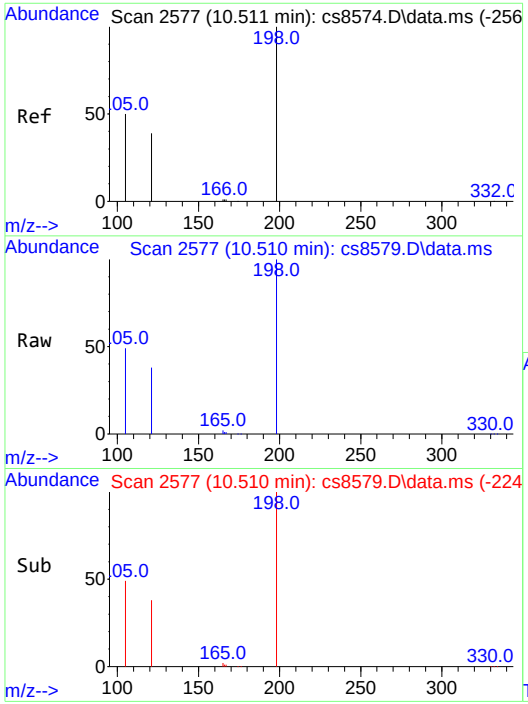


#5
Phenol
Concen: 1144.99 ppb
RT: 7.198 min Scan# 768
Delta R.T. -0.001 min
Lab File: cs8579.D
Acq: 17 Sep 2025 04:22 pm

Tgt Ion: 94 Resp: 88062

Ion	Ratio	Lower	Upper
94	100		
65	23.2	17.0	25.4
66	29.5	24.6	37.0

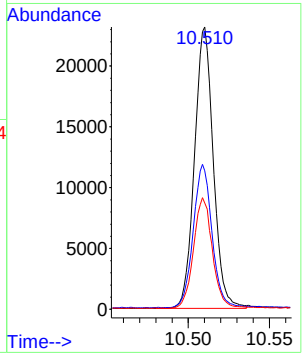


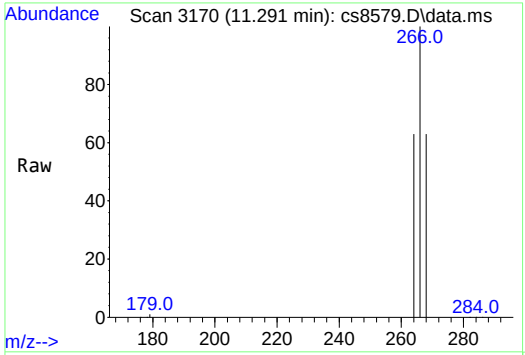


#16
4,6-dinitro-2-methylphenol
Concen: 1276.44 ppb
RT: 10.510 min Scan# 2577
Delta R.T. -0.001 min
Lab File: cs8579.D
Acq: 17 Sep 2025 04:22 pm

Tgt Ion:198 Resp: 18599

Ion	Ratio	Lower	Upper
198	100		
105	48.6	29.9	69.9
121	37.4	19.3	59.3

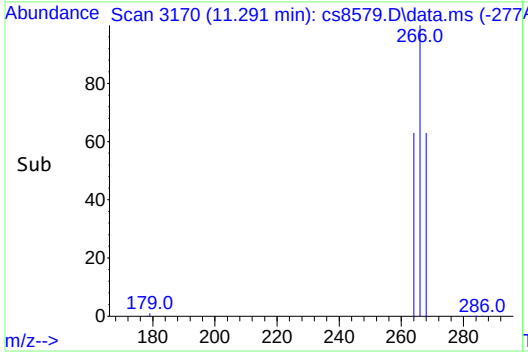


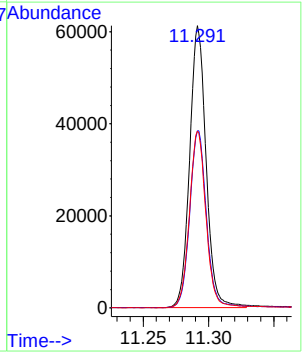


#20
Pentachlorophenol
Concen: 2274.39 ppb
RT: 11.291 min Scan# 3170
Delta R.T. -0.003 min
Lab File: cs8579.D
Acq: 17 Sep 2025 04:22 pm

Tgt Ion:266 Resp: 53707

Ion	Ratio	Lower	Upper
266	100		
268	63.4	43.1	83.1
264	63.1	43.0	83.0





Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\recheleb\ecs468\
Data File : cs9061.D
Acq On : 16 Oct 2025 02:46 pm
Operator : alejanda
Sample : cc446-0.2 Inst : GCMS_CS
Misc : op68079a,ecs468,250,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 17 01:37:22 2025
Quant Method : X:\Dayton SVOA GCMS\recheleb\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Fri Oct 17 01:37:14 2025
Response via : Initial Calibration

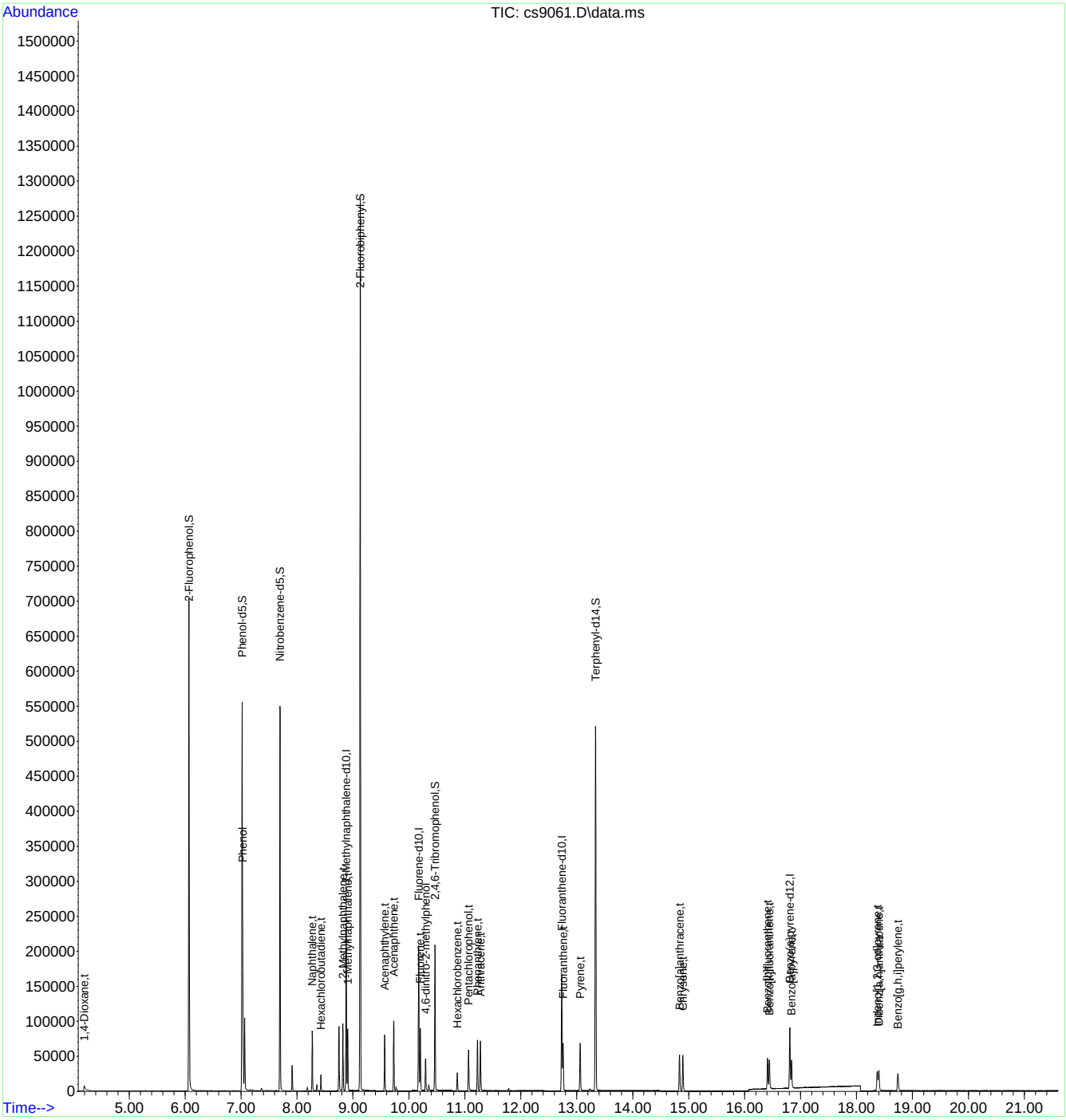
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	8.877	150	69876	800.00	ppb	0.00
11) Fluorene-d10	10.174	176	85184	800.00	ppb	0.00
18) Fluoranthene-d10	12.731	212	122565	800.00	ppb	0.00
28) Benzo(a)pyrene-d12	16.808	264	72185	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	6.069	112	318309	4754.20	ppb	-0.06
Spiked Amount 10000.000			Recovery =	47.54%		
4) Phenol-d5	7.018	99	367381	4647.03	ppb	-0.01
Spiked Amount 10000.000			Recovery =	46.47%		
6) Nitrobenzene-d5	7.694	82	288999	4430.11	ppb	-0.02
Spiked Amount 10000.000			Recovery =	44.30%		
12) 2-Fluorobiphenyl	9.130	172	595441	4312.42	ppb	0.00
Spiked Amount 10000.000			Recovery =	43.12%		
17) 2,4,6-Tribromophenol	10.465	330	70388	4968.80	ppb	0.00
Spiked Amount 10000.000			Recovery =	49.69%		
25) Terphenyl-d14	13.336	244	370497	4213.97	ppb	0.01
Spiked Amount 10000.000			Recovery =	42.14%		
Target Compounds						Qvalue
2) 1,4-Dioxane	4.195	88	7288	235.7655	ppb	98
5) Phenol	7.028	94	104472	1142.7723	ppb	97
7) Naphthalene	8.273	128	52561	209.5599	ppb	100
8) Hexachlorobutadiene	8.426	225	7750	211.0077	ppb	99
9) 2-Methylnaphthalene	8.820	141	28421	204.0402	ppb	100
10) 1-Methylnaphthalene	8.905	141	27154	204.8920	ppb	98
13) Acenaphthylene	9.566	152	47825	229.7027	ppb	100
14) Acenaphthene	9.729	153	30924	213.4580	ppb	100
15) Fluorene	10.203	166	34642	209.4652	ppb	98
16) 4,6-dinitro-2-methylph...	10.298	198	19792	1237.6097	ppb	99
19) Hexachlorobenzene	10.864	284	9241	221.0348	ppb	96
20) Pentachlorophenol	11.066	266	23351	1139.9188	ppb	100
21) Phenanthrene	11.225	178	47211	217.1777	ppb	99
22) Anthracene	11.277	178	46796	233.4564	ppb	99
23) Fluoranthene	12.755	202	48290	211.6222	ppb	99
24) Pyrene	13.060	202	49344	212.8407	ppb	100
26) Benzo[a]anthracene	14.837	228	37282	222.7129	ppb	100
27) Chrysene	14.896	228	35275	212.2915	ppb	100
29) Benzo[b]fluoranthene	16.410	252	32369	205.1927	ppb	100
30) Benzo[k]fluoranthene	16.442	252	30803	209.3967	ppb	99
31) Benzo[a]pyrene	16.838	252	29924	204.5738	ppb	99
32) Indeno[1,2,3-cd]pyrene	18.371	276	26307	228.0125	ppb	97
33) Dibenz[a,h]anthracene	18.397	278	24292	224.5887	ppb	99
34) Benzo[g,h,i]perylene	18.739	276	24096	209.4945	ppb	98

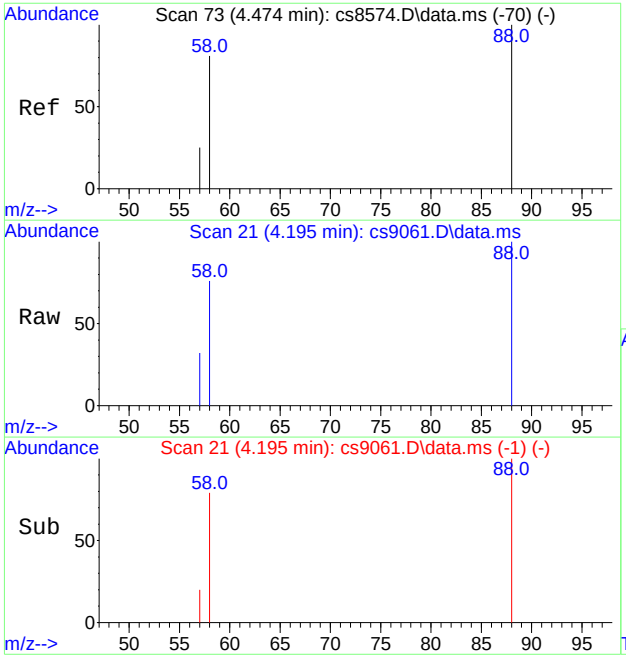
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\recheleb\ecs468\
Data File : cs9061.D
Acq On : 16 Oct 2025 02:46 pm
Operator : alejanda
Sample : cc446-0.2 Inst : GCMS_CS
Misc : op68079a,ecs468,250,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 17 01:37:22 2025
Quant Method : X:\Dayton SVOA GCMS\recheleb\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Fri Oct 17 01:37:14 2025
Response via : Initial Calibration

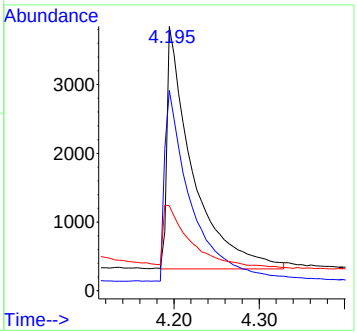


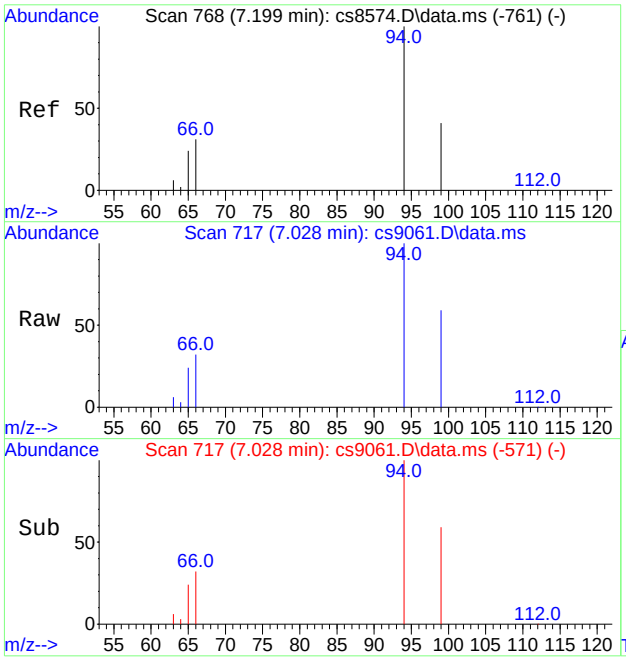


#2
1,4-Dioxane
Concen: 235.7655 ppb
RT: 4.195 min Scan# 21
Delta R.T. -0.181 min
Lab File: cs9061.D
Acq: 16 Oct 2025 02:46 pm

Tgt Ion: 88 Resp: 7288

Ion	Ratio	Lower	Upper
88	100		
58	78.8	61.3	101.3
57	25.2	5.8	45.8

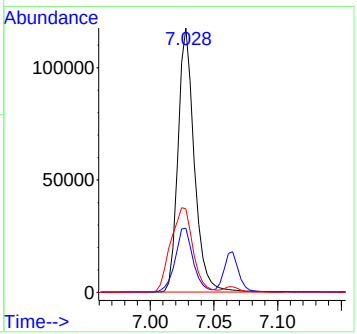


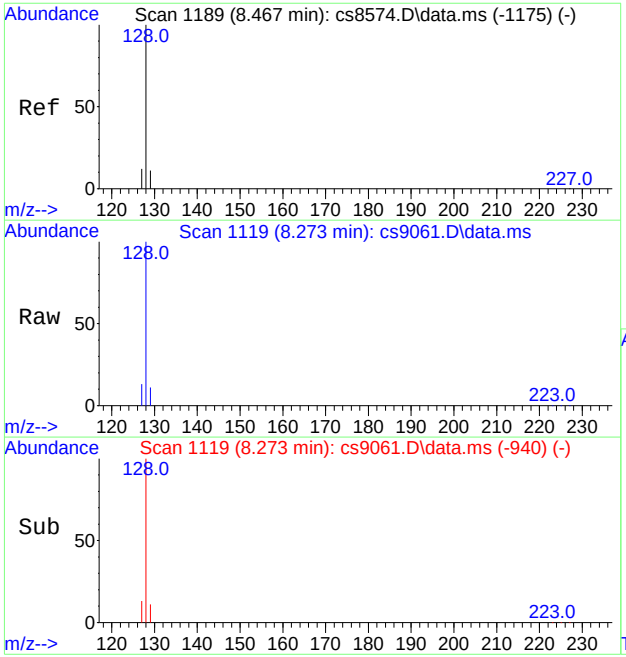


#5
Phenol
Concen: 1142.7723 ppb
RT: 7.028 min Scan# 717
Delta R.T. -0.013 min
Lab File: cs9061.D
Acq: 16 Oct 2025 02:46 pm

Tgt Ion: 94 Resp: 104472

Ion	Ratio	Lower	Upper
94	100		
65	23.9	17.0	25.4
66	30.1	24.6	37.0

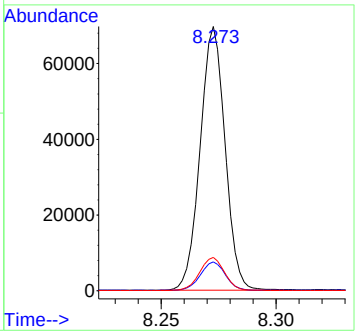


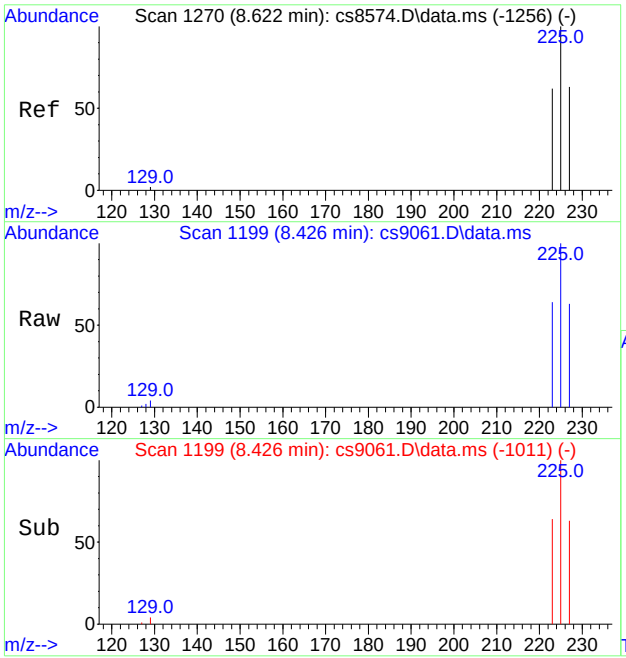


#7
Naphthalene
Concen: 209.5599 ppb
RT: 8.273 min Scan# 1119
Delta R.T. -0.008 min
Lab File: cs9061.D
Acq: 16 Oct 2025 02:46 pm

Tgt Ion:128 Resp: 52561

Ion	Ratio	Lower	Upper
128	100		
129	10.8	0.0	40.8
127	12.5	0.0	42.4

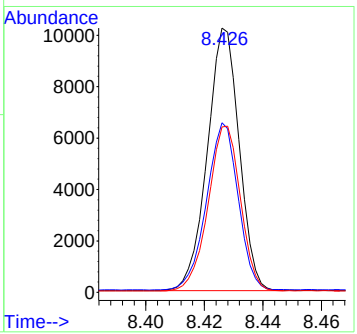


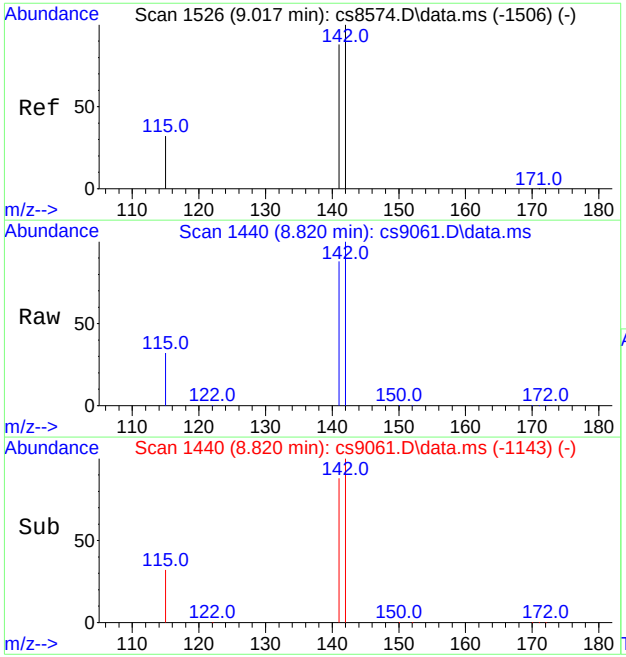


#8
Hexachlorobutadiene
Concen: 211.0077 ppb
RT: 8.426 min Scan# 1199
Delta R.T. -0.006 min
Lab File: cs9061.D
Acq: 16 Oct 2025 02:46 pm

Tgt Ion:225 Resp: 7750

Ion	Ratio	Lower	Upper
225	100		
223	63.6	31.8	91.8
227	62.4	32.6	92.6

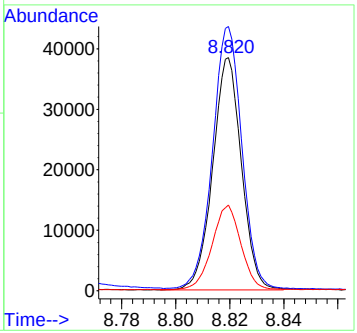


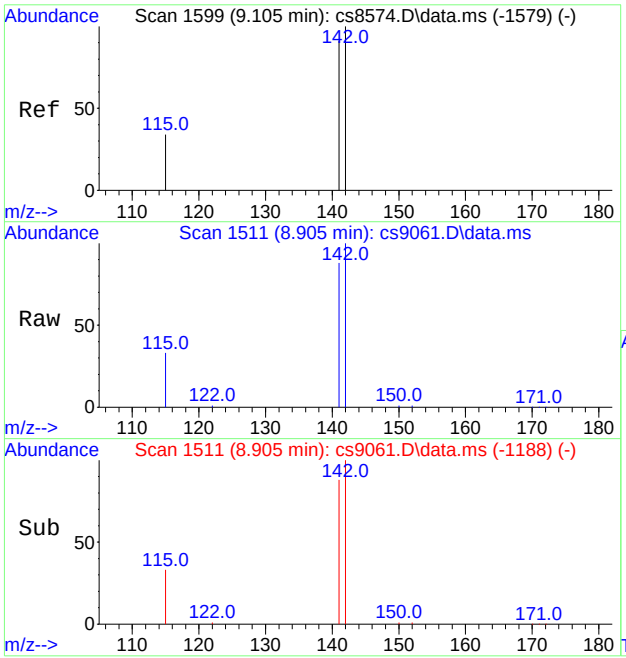


#9
2-Methylnaphthalene
Concen: 204.0402 ppb
RT: 8.820 min Scan# 1440
Delta R.T. 0.001 min
Lab File: cs9061.D
Acq: 16 Oct 2025 02:46 pm

Tgt Ion:141 Resp: 28421

Ion	Ratio	Lower	Upper
141	100		
142	112.9	83.1	143.1
115	36.4	5.8	65.8

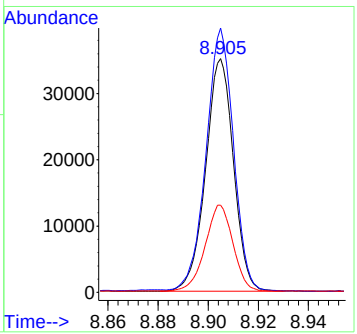


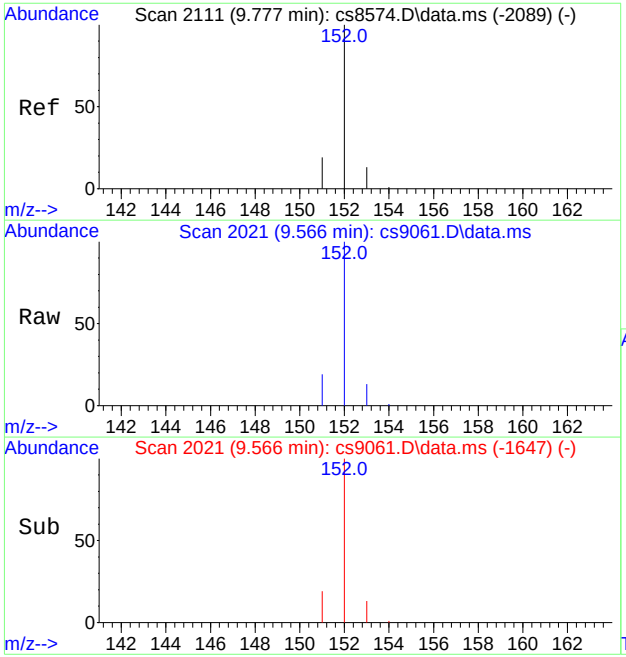


#10
1-Methylnaphthalene
Concen: 204.8920 ppb
RT: 8.905 min Scan# 1511
Delta R.T. 0.000 min
Lab File: cs9061.D
Acq: 16 Oct 2025 02:46 pm

Tgt Ion:141 Resp: 27154

Ion	Ratio	Lower	Upper
141	100		
142	112.8	80.8	140.8
115	37.0	7.2	67.2

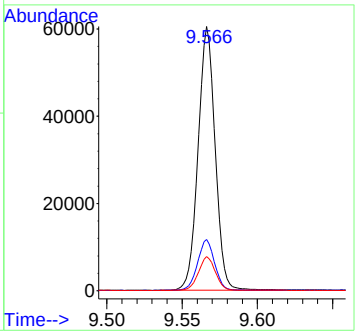


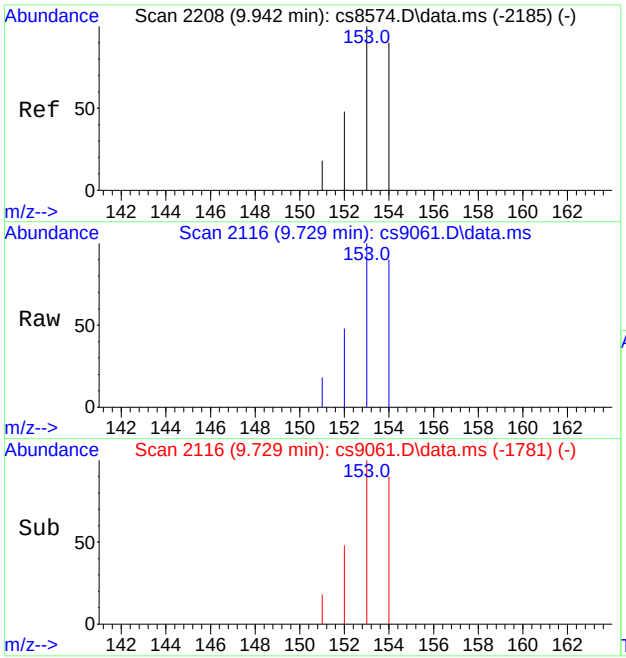


#13
Acenaphthylene
Concen: 229.7027 ppb
RT: 9.566 min Scan# 2021
Delta R.T. -0.002 min
Lab File: cs9061.D
Acq: 16 Oct 2025 02:46 pm

Tgt Ion:152 Resp: 47825

Ion	Ratio	Lower	Upper
152	100		
151	19.3	0.0	49.3
153	12.8	0.0	42.7

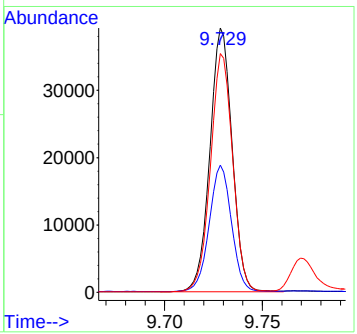


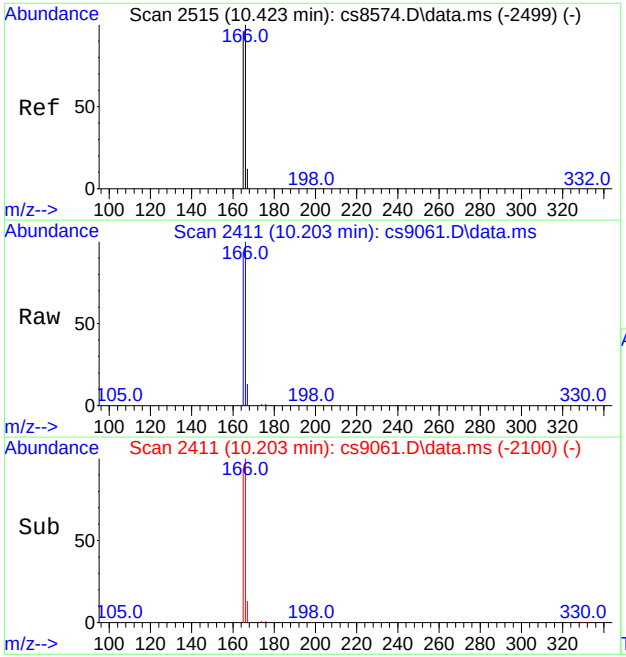


#14
Acenaphthene
Concen: 213.4580 ppb
RT: 9.729 min Scan# 2116
Delta R.T. -0.002 min
Lab File: cs9061.D
Acq: 16 Oct 2025 02:46 pm

Tgt Ion:153 Resp: 30924

Ion	Ratio	Lower	Upper
153	100		
152	47.9	17.7	77.7
154	89.2	59.5	119.5

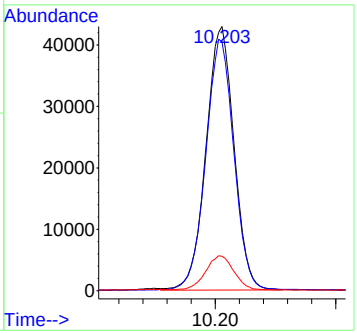


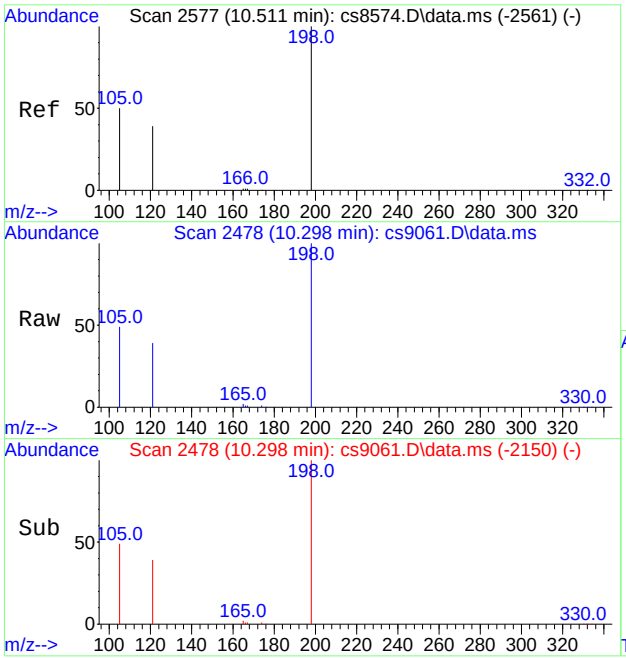


#15
Fluorene
Concen: 209.4652 ppb
RT: 10.203 min Scan# 2411
Delta R.T. 0.002 min
Lab File: cs9061.D
Acq: 16 Oct 2025 02:46 pm

Tgt Ion:166 Resp: 34642

Ion	Ratio	Lower	Upper
166	100		
165	94.1	65.7	125.7
167	12.6	0.0	42.4

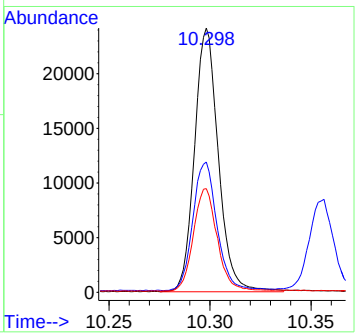


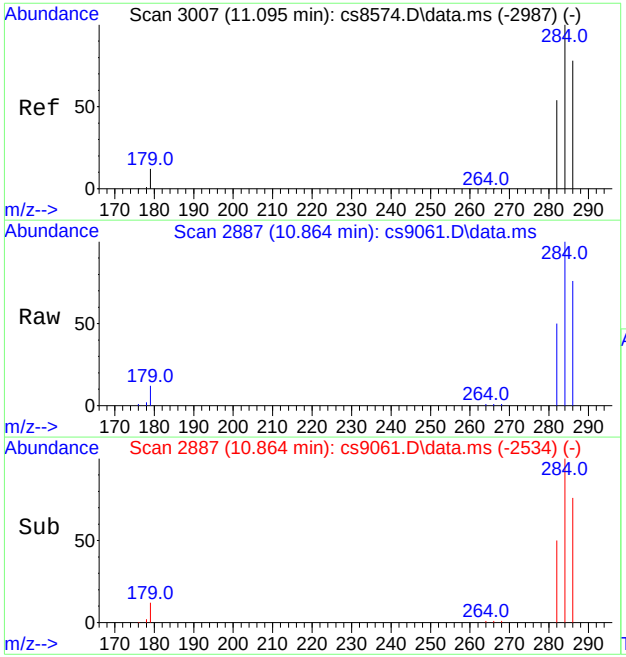


#16
4,6-dinitro-2-methylphenol
Concen: 1237.6097 ppb
RT: 10.298 min Scan# 2478
Delta R.T. 0.011 min
Lab File: cs9061.D
Acq: 16 Oct 2025 02:46 pm

Tgt Ion:198 Resp: 19792

Ion	Ratio	Lower	Upper
198	100		
105	48.5	29.9	69.9
121	38.8	19.3	59.3

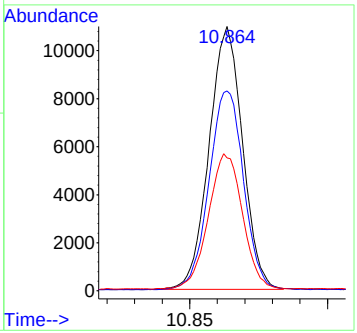


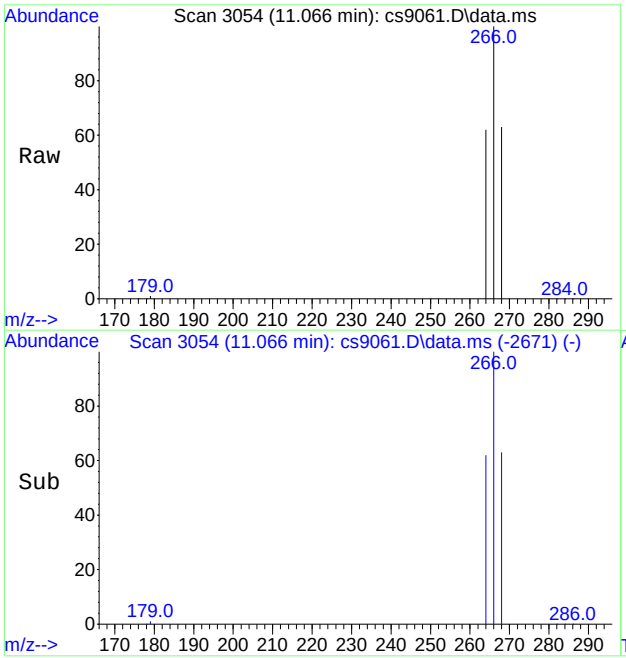


#19
Hexachlorobenzene
Concen: 221.0348 ppb
RT: 10.864 min Scan# 2887
Delta R.T. -0.014 min
Lab File: cs9061.D
Acq: 16 Oct 2025 02:46 pm

Tgt Ion:284 Resp: 9241

Ion	Ratio	Lower	Upper
284	100		
286	75.4	48.0	108.0
282	49.7	23.8	83.8

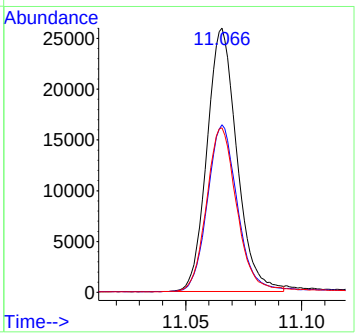


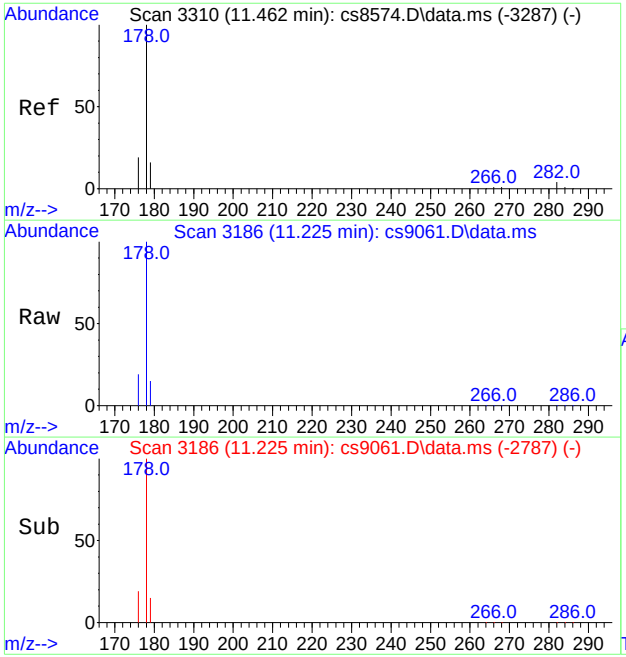


#20
Pentachlorophenol
Concen: 1139.9188 ppb
RT: 11.066 min Scan# 3054
Delta R.T. -0.007 min
Lab File: cs9061.D
Acq: 16 Oct 2025 02:46 pm

Tgt Ion:266 Resp: 23351

Ion	Ratio	Lower	Upper
266	100		
268	63.4	43.1	83.1
264	62.7	43.0	83.0

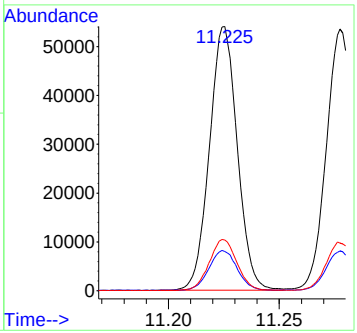


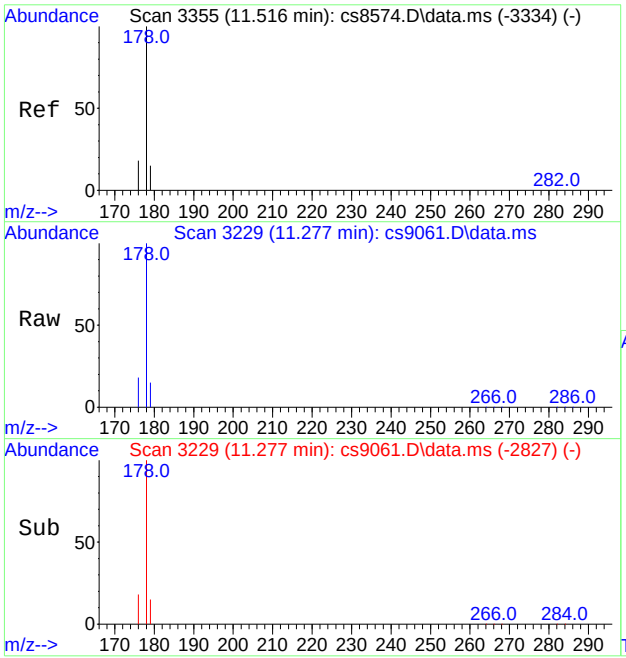


#21
Phenanthrene
Concen: 217.1777 ppb
RT: 11.225 min Scan# 3186
Delta R.T. -0.012 min
Lab File: cs9061.D
Acq: 16 Oct 2025 02:46 pm

Tgt Ion:178 Resp: 47211

Ion	Ratio	Lower	Upper
178	100		
179	14.6	0.0	45.7
176	19.0	0.0	49.2

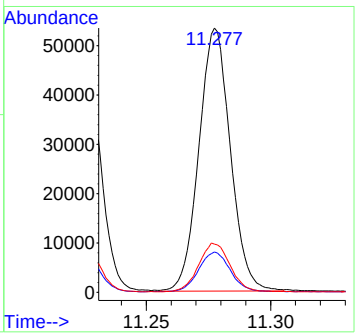


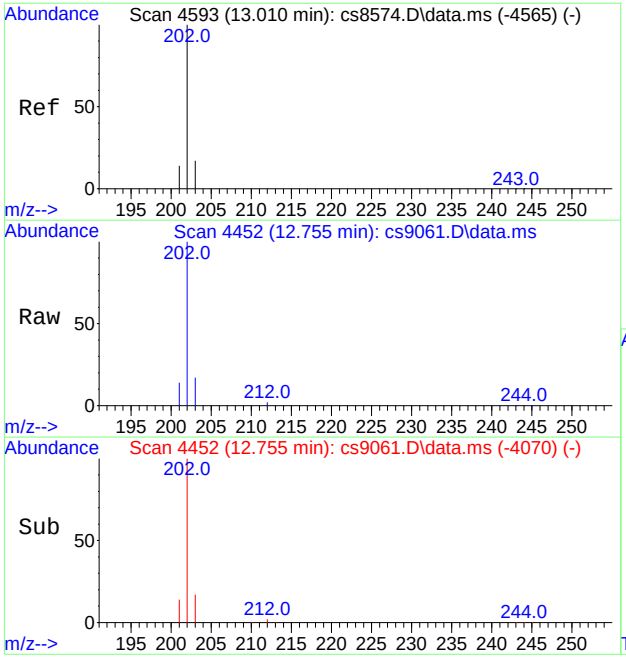


#22
Anthracene
Concen: 233.4564 ppb
RT: 11.277 min Scan# 3229
Delta R.T. -0.013 min
Lab File: cs9061.D
Acq: 16 Oct 2025 02:46 pm

Tgt Ion:178 Resp: 46796

Ion	Ratio	Lower	Upper
178	100		
179	15.0	0.0	45.2
176	18.1	0.0	48.4

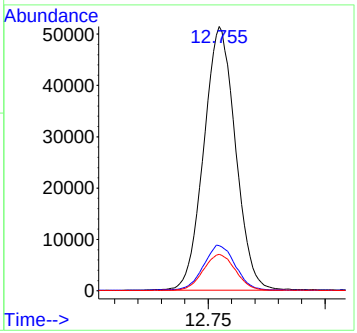


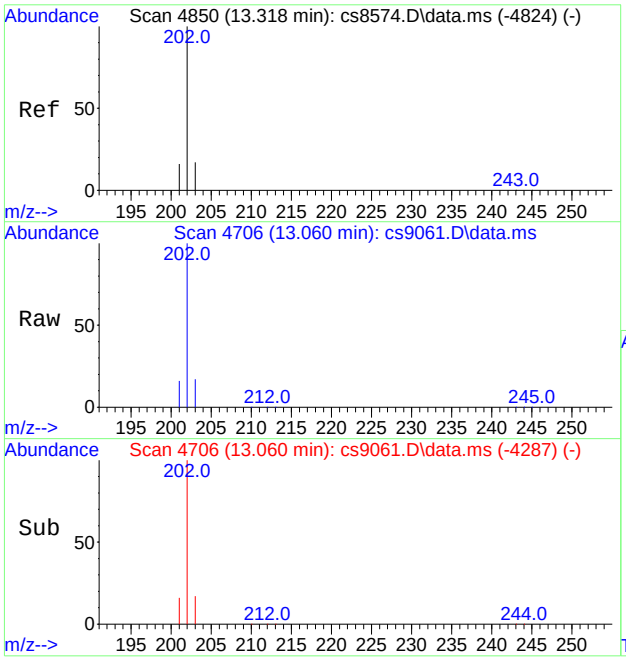


#23
Fluoranthene
Concen: 211.6222 ppb
RT: 12.755 min Scan# 4452
Delta R.T. -0.001 min
Lab File: cs9061.D
Acq: 16 Oct 2025 02:46 pm

Tgt Ion:202 Resp: 48290

Ion	Ratio	Lower	Upper
202	100		
203	16.8	0.0	47.2
201	13.6	0.0	44.0

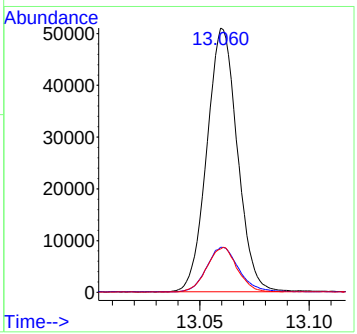


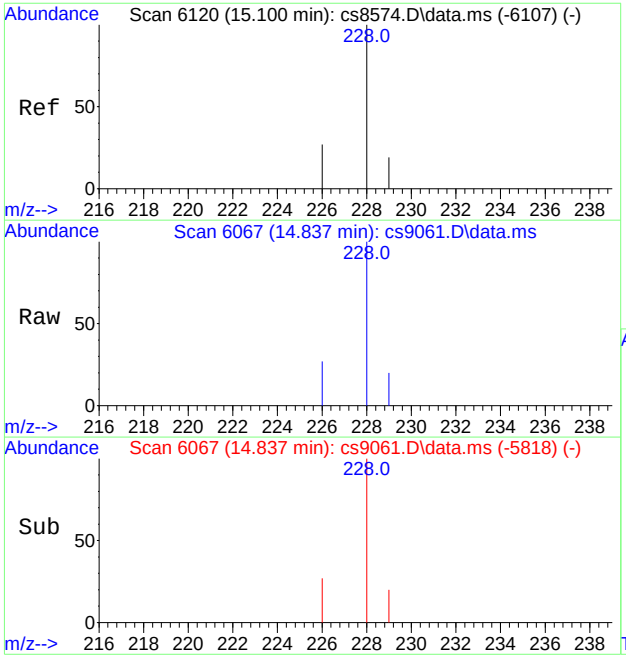


#24
Pyrene
Concen: 212.8407 ppb
RT: 13.060 min Scan# 4706
Delta R.T. 0.002 min
Lab File: cs9061.D
Acq: 16 Oct 2025 02:46 pm

Tgt Ion:202 Resp: 49344

Ion	Ratio	Lower	Upper
202	100		
203	16.8	0.0	47.1
201	16.3	0.0	46.4

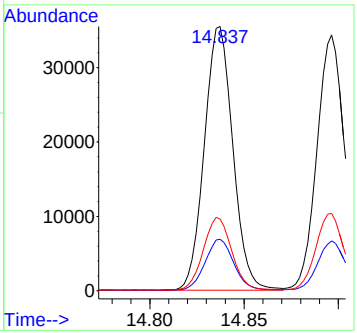


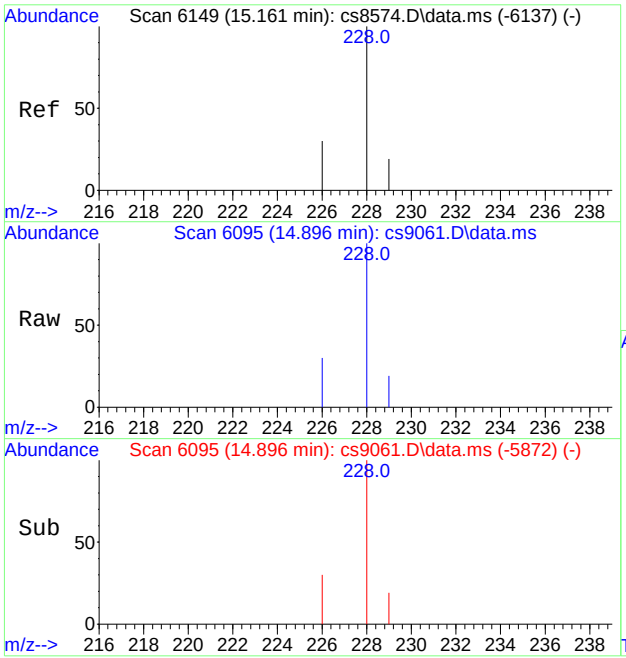


#26
Benzo[a]anthracene
Concen: 222.7129 ppb
RT: 14.837 min Scan# 6067
Delta R.T. 0.033 min
Lab File: cs9061.D
Acq: 16 Oct 2025 02:46 pm

Tgt Ion:228 Resp: 37282

Ion	Ratio	Lower	Upper
228	100		
229	19.3	0.0	49.1
226	27.0	0.0	57.0

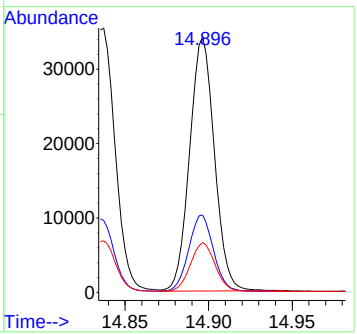


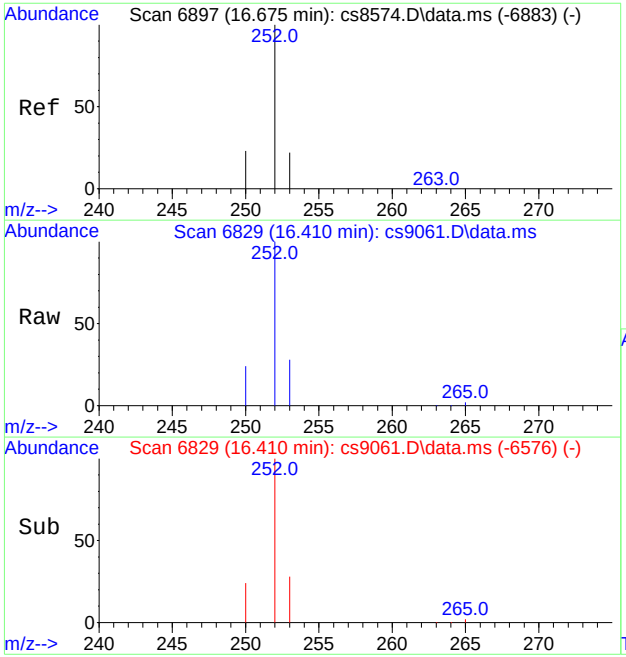


#27
Chrysene
Concen: 212.2915 ppb
RT: 14.896 min Scan# 6095
Delta R.T. 0.000 min
Lab File: cs9061.D
Acq: 16 Oct 2025 02:46 pm

Tgt Ion:228 Resp: 35275

Ion	Ratio	Lower	Upper
228	100		
226	30.0	0.2	60.2
229	19.2	0.0	49.5

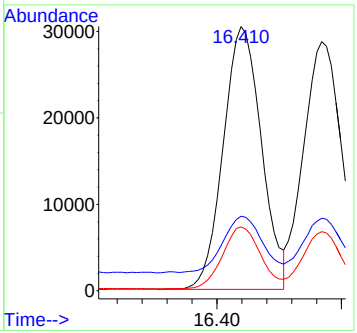


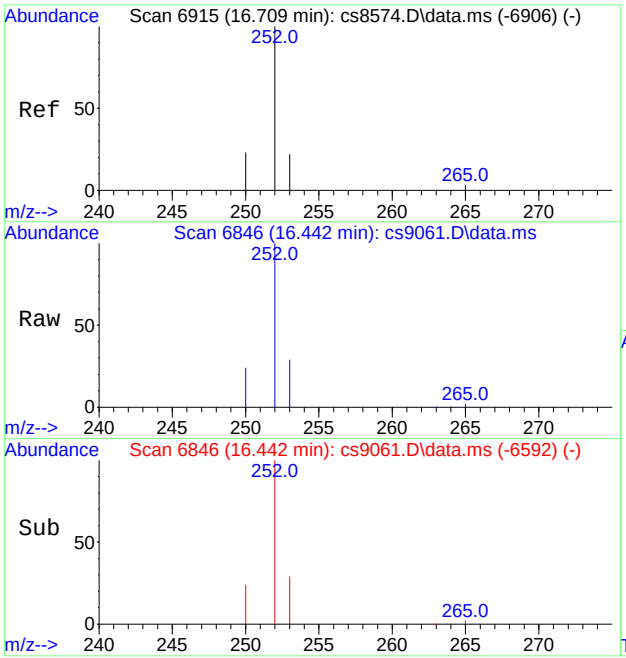


#29
Benzo[b]fluoranthene
Concen: 205.1927 ppb
RT: 16.410 min Scan# 6829
Delta R.T. -0.002 min
Lab File: cs9061.D
Acq: 16 Oct 2025 02:46 pm

Tgt Ion:252 Resp: 32369

Ion	Ratio	Lower	Upper
252	100		
253	21.4	0.0	51.5
250	23.5	0.0	53.4

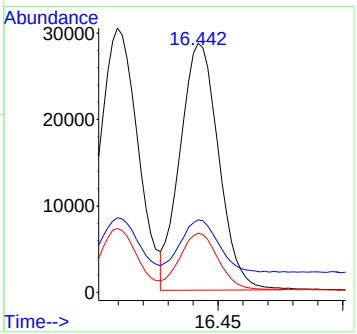


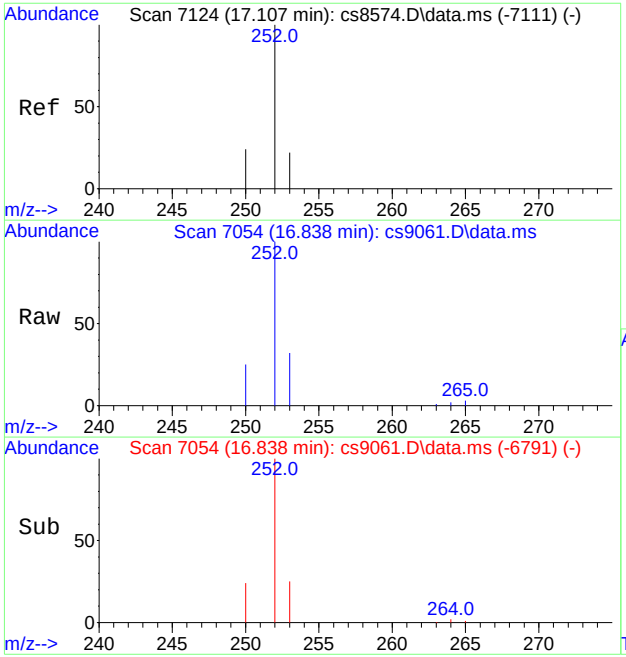


#30
Benzo[k]fluoranthene
Concen: 209.3967 ppb
RT: 16.442 min Scan# 6846
Delta R.T. -0.004 min
Lab File: cs9061.D
Acq: 16 Oct 2025 02:46 pm

Tgt Ion:252 Resp: 30803

Ion	Ratio	Lower	Upper
252	100		
253	21.6	0.0	51.3
250	22.9	0.0	53.2

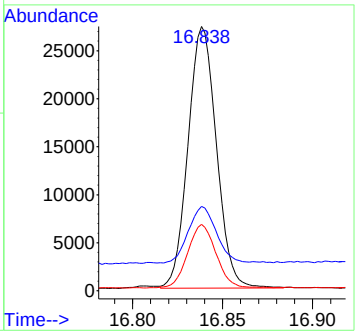


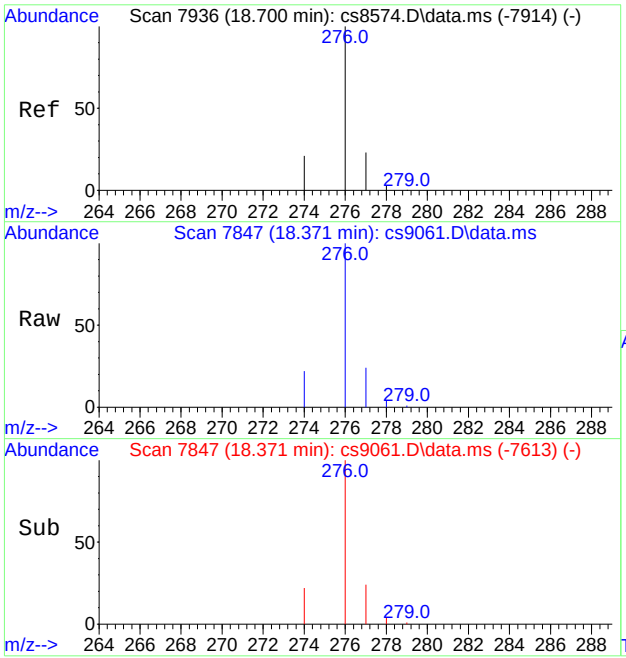


#31
Benzo[a]pyrene
Concen: 204.5738 ppb
RT: 16.838 min Scan# 7054
Delta R.T. 0.001 min
Lab File: cs9061.D
Acq: 16 Oct 2025 02:46 pm

Tgt Ion:252 Resp: 29924

Ion	Ratio	Lower	Upper
252	100		
253	21.6	0.0	51.3
250	24.2	0.0	53.7

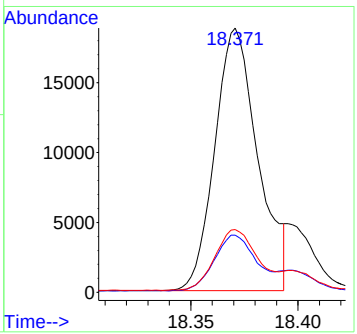


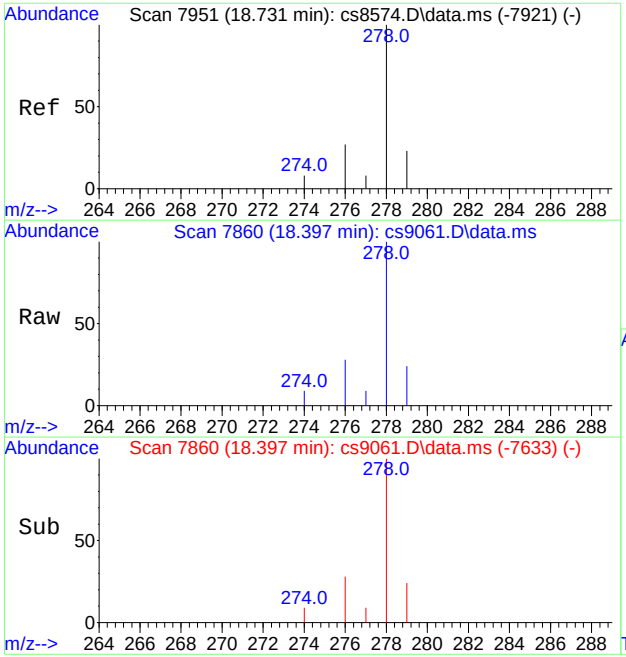


#32
Indeno[1,2,3-cd]pyrene
Concen: 228.0125 ppb
RT: 18.371 min Scan# 7847
Delta R.T. 0.000 min
Lab File: cs9061.D
Acq: 16 Oct 2025 02:46 pm

Tgt Ion:276 Resp: 26307

Ion	Ratio	Lower	Upper
276	100		
274	19.8	0.0	51.6
277	22.3	0.0	53.8

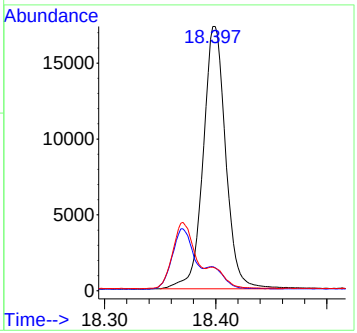


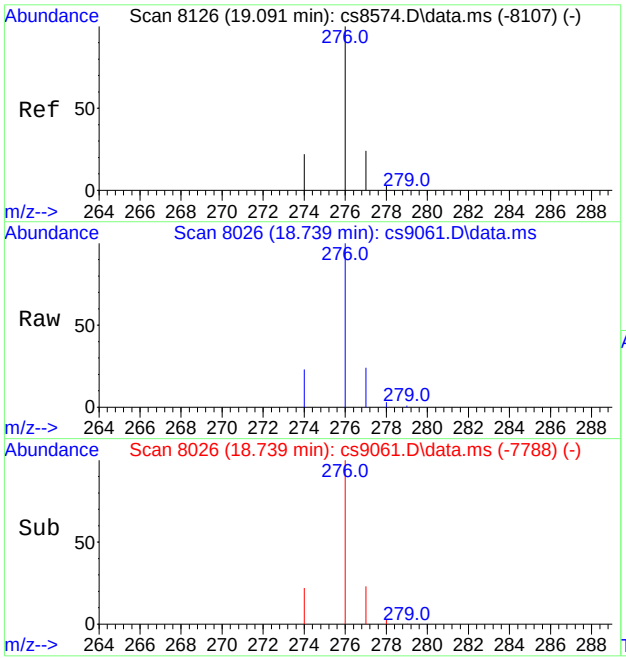


#33
Dibenz[a,h]anthracene
Concen: 224.5887 ppb
RT: 18.397 min Scan# 7860
Delta R.T. -0.038 min
Lab File: cs9061.D
Acq: 16 Oct 2025 02:46 pm

Tgt Ion:278 Resp: 24292

Ion	Ratio	Lower	Upper
278	100		
274	7.8	0.0	38.4
277	7.5	0.0	37.8

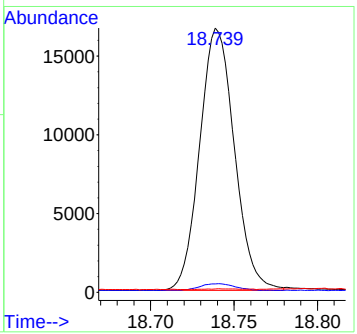




#34
Benzo[g,h,i]perylene
Concen: 209.4945 ppb
RT: 18.739 min Scan# 8026
Delta R.T. -0.010 min
Lab File: cs9061.D
Acq: 16 Oct 2025 02:46 pm

Tgt Ion:276 Resp: 24096

Ion	Ratio	Lower	Upper
276	100		
278	2.5	0.0	33.3
279	0.1	0.0	31.1



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\johanv\ecs475\
Data File : cs9243.D
Acq On : 24 Oct 2025 12:23 pm
Operator : alejanda
Sample : cc446-0.2 Inst : GCMS_CS
Misc : op68446c,ecs475,250,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 24 20:36:22 2025
Quant Method : X:\Dayton SVOA GCMS\johanv\ecs475\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Fri Oct 24 20:35:37 2025
Response via : Initial Calibration

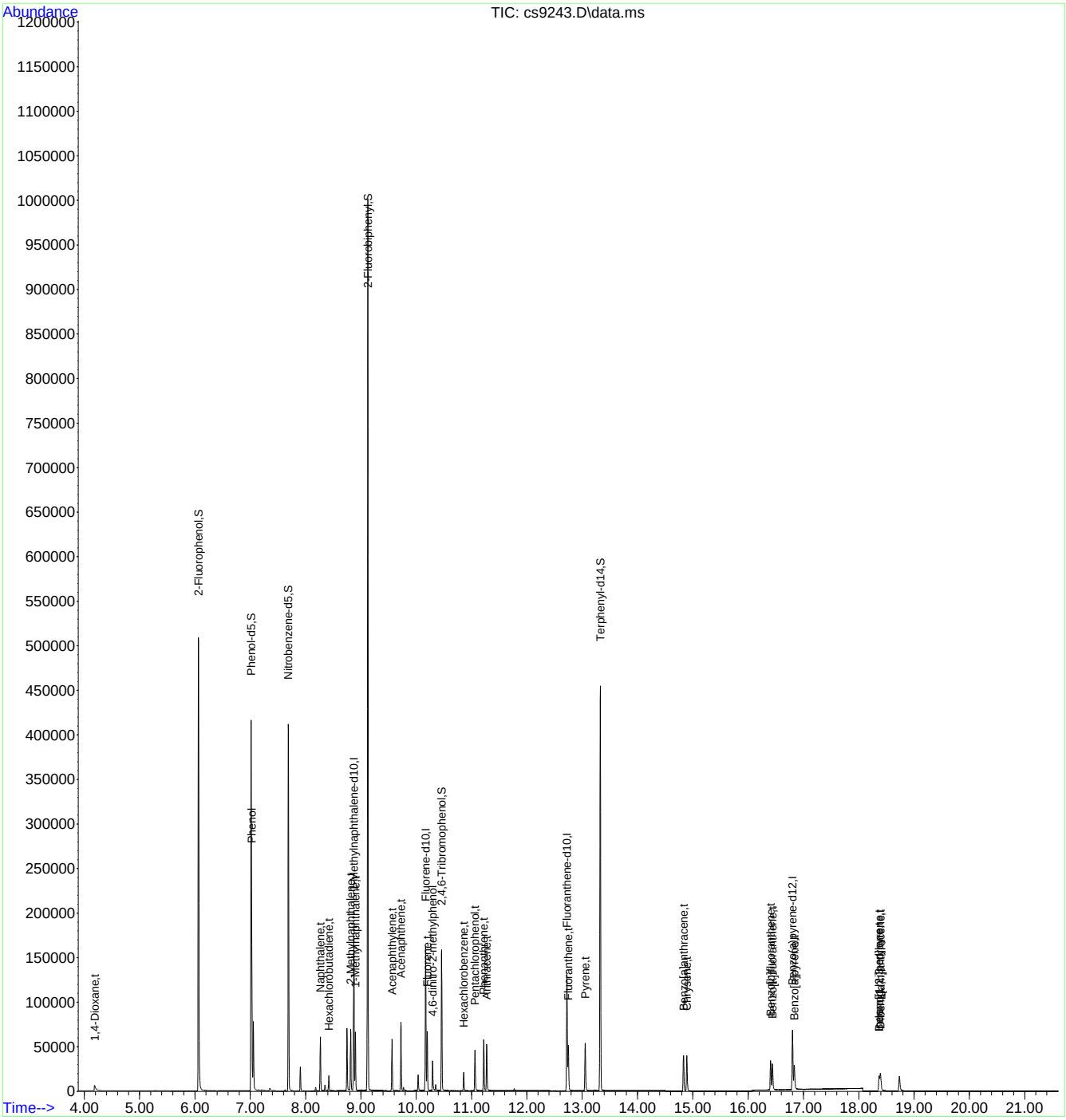
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	8.872	150	55622	800.00	ppb	0.00
11) Fluorene-d10	10.168	176	69395	800.00	ppb	0.00
18) Fluoranthene-d10	12.724	212	101806	800.00	ppb	0.00
28) Benzo(a)pyrene-d12	16.801	264	55967	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	6.065	112	251356	4716.28	ppb	0.00
Spiked Amount 10000.000			Recovery =	47.16%		
4) Phenol-d5	7.013	99	288217	4579.94	ppb	0.00
Spiked Amount 10000.000			Recovery =	45.80%		
6) Nitrobenzene-d5	7.687	82	227148	4374.30	ppb	0.00
Spiked Amount 10000.000			Recovery =	43.74%		
12) 2-Fluorobiphenyl	9.124	172	486822	4327.95	ppb	0.00
Spiked Amount 10000.000			Recovery =	43.28%		
17) 2,4,6-Tribromophenol	10.459	330	55841	4838.78	ppb	0.00
Spiked Amount 10000.000			Recovery =	48.39%		
25) Terphenyl-d14	13.328	244	320419	4387.51	ppb	0.00
Spiked Amount 10000.000			Recovery =	43.88%		
Target Compounds						Qvalue
2) 1,4-Dioxane	4.188	88	6146	249.7733	ppb	95
5) Phenol	7.023	94	82991	1140.4395	ppb	97
7) Naphthalene	8.267	128	41503	207.8765	ppb	100
8) Hexachlorobutadiene	8.420	225	6104	208.7818	ppb	98
9) 2-Methylnaphthalene	8.814	141	22491	202.8461	ppb	99
10) 1-Methylnaphthalene	8.898	141	21573	204.4952	ppb	100
13) Acenaphthylene	9.562	152	36439	214.8361	ppb	99
14) Acenaphthene	9.724	153	24799	210.1265	ppb	99
15) Fluorene	10.197	166	27990	207.7503	ppb	99
16) 4,6-dinitro-2-methylph...	10.295	198	15727	1212.1120	ppb	99
19) Hexachlorobenzene	10.858	284	7463	214.9058	ppb	99
20) Pentachlorophenol	11.061	266	19122	1126.8994	ppb	100
21) Phenanthrene	11.220	178	38658	214.0940	ppb	99
22) Anthracene	11.273	178	37246	223.7019	ppb	99
23) Fluoranthene	12.749	202	40285	212.5399	ppb	100
24) Pyrene	13.053	202	40342	209.4937	ppb	99
26) Benzo[a]anthracene	14.831	228	29718	213.7268	ppb	100
27) Chrysene	14.891	228	29549	214.0925	ppb	99
29) Benzo[b]fluoranthene	16.404	252	24936	203.8798	ppb	100
30) Benzo[k]fluoranthene	16.439	252	24276	212.8476	ppb	99
31) Benzo[a]pyrene	16.833	252	23010	202.8906	ppb	99
32) Indeno[1,2,3-cd]pyrene	18.365	276	21716	242.7628	ppb	99
33) Dibenz[a,h]anthracene	18.392	278	17347	206.8540	ppb	94
34) Benzo[g,h,i]perylene	18.365	276	21716	243.5131	ppb	99

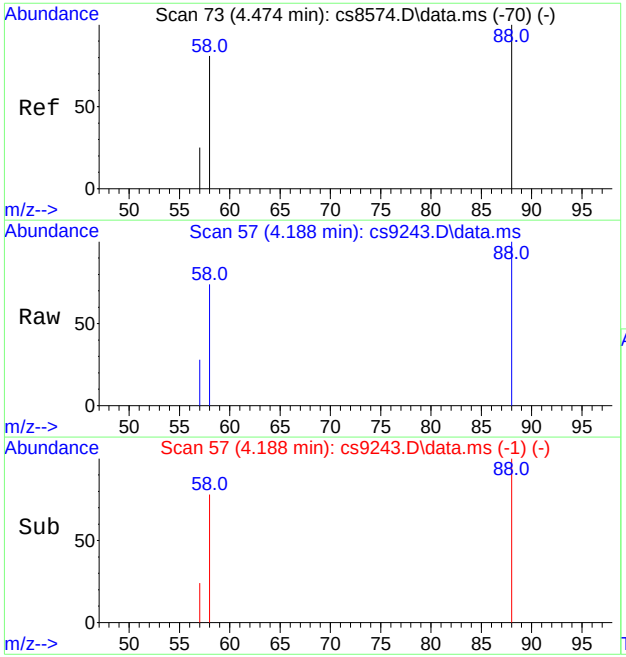
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\johanv\ecs475\
Data File : cs9243.D
Acq On : 24 Oct 2025 12:23 pm
Operator : alejanda
Sample : cc446-0.2 Inst : GCMS_CS
Misc : op68446c,ecs475,250,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 24 20:36:22 2025
Quant Method : X:\Dayton SVOA GCMS\johanv\ecs475\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Fri Oct 24 20:35:37 2025
Response via : Initial Calibration

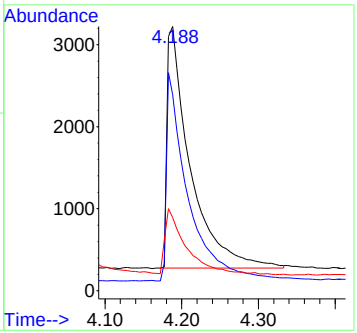


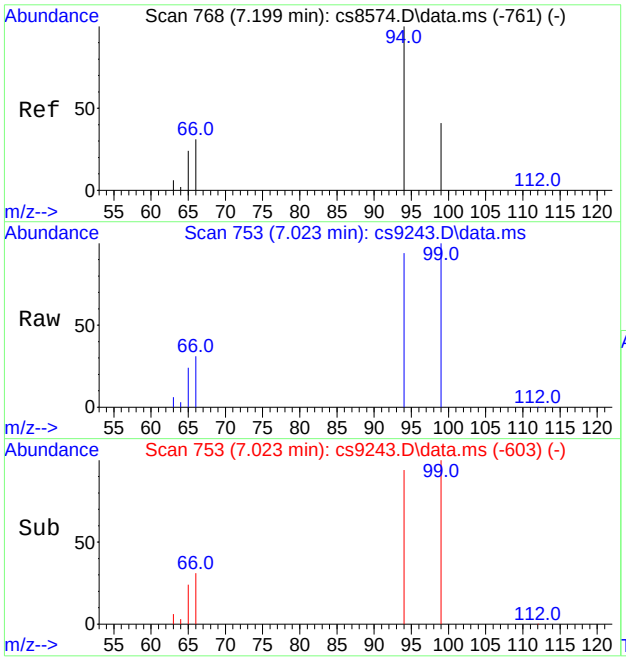


#2
1,4-Dioxane
Concen: 249.7733 ppb
RT: 4.188 min Scan# 57
Delta R.T. 0.000 min
Lab File: cs9243.D
Acq: 24 Oct 2025 12:23 pm

Tgt Ion: 88 Resp: 6146

Ion	Ratio	Lower	Upper
88	100		
58	76.7	61.3	101.3
57	23.4	4.8	44.8

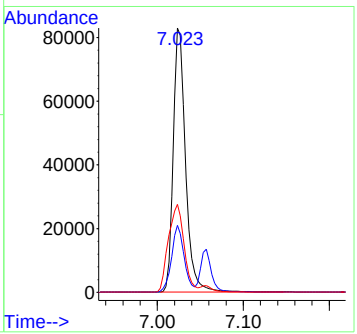


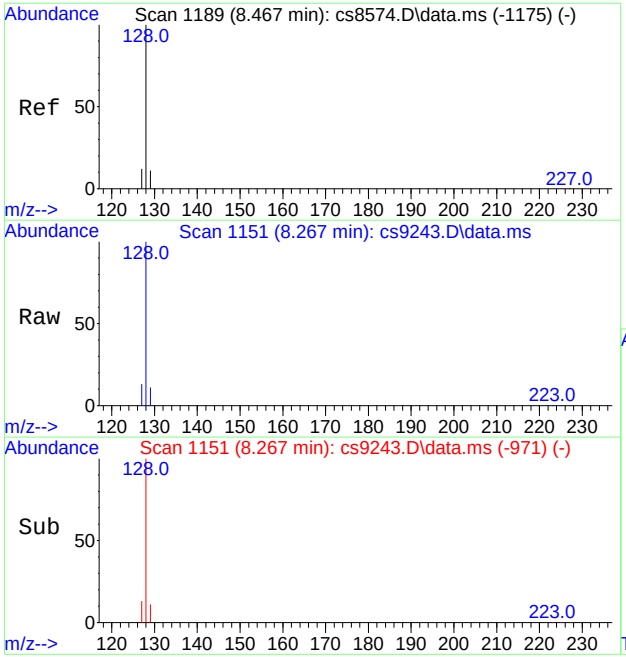


#5
Phenol
Concen: 1140.4395 ppb
RT: 7.023 min Scan# 753
Delta R.T. 0.000 min
Lab File: cs9243.D
Acq: 24 Oct 2025 12:23 pm

Tgt Ion: 94 Resp: 82991

Ion	Ratio	Lower	Upper
94	100		
65	25.1	19.1	28.7
66	32.5	24.6	37.0

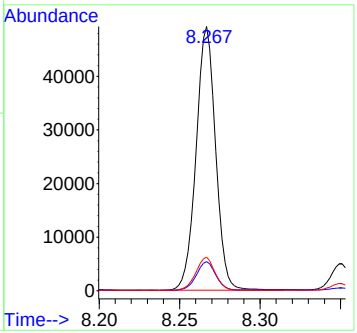


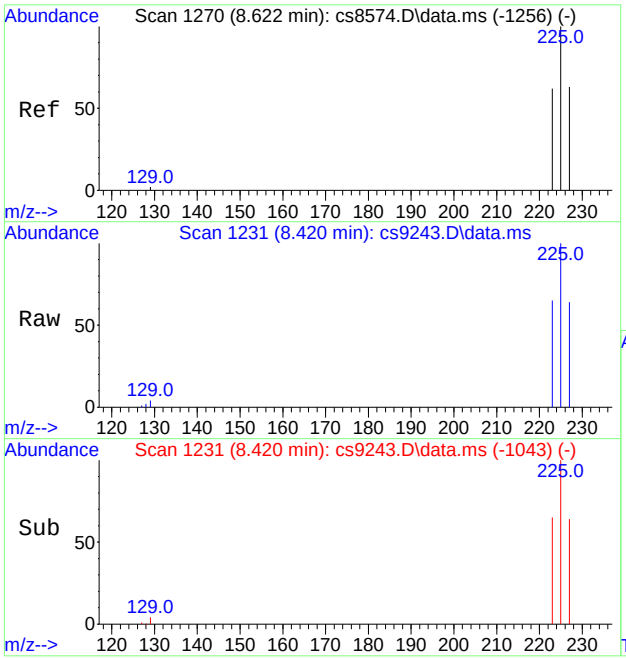


#7
Naphthalene
Concen: 207.8765 ppb
RT: 8.267 min Scan# 1151
Delta R.T. 0.000 min
Lab File: cs9243.D
Acq: 24 Oct 2025 12:23 pm

Tgt Ion:128 Resp: 41503

Ion	Ratio	Lower	Upper
128	100		
129	10.8	0.0	40.8
127	12.6	0.0	42.4

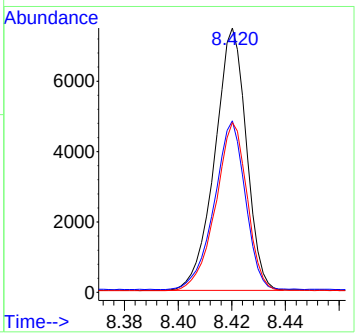


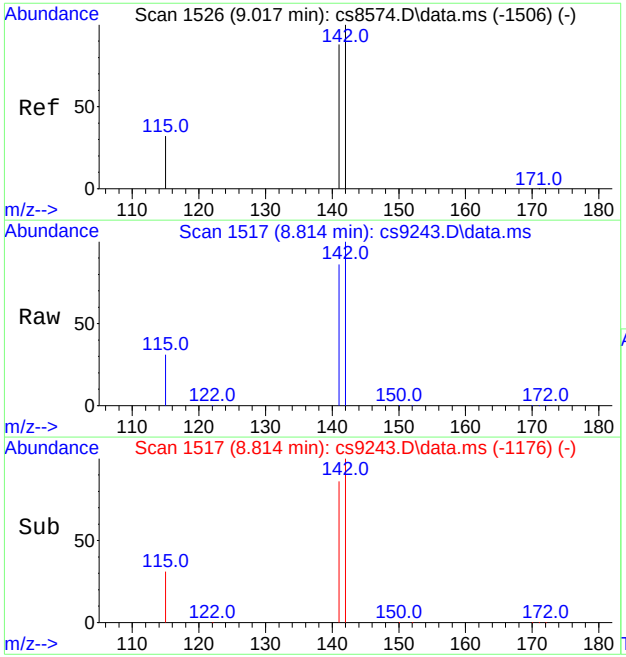


#8
Hexachlorobutadiene
Concen: 208.7818 ppb
RT: 8.420 min Scan# 1231
Delta R.T. 0.000 min
Lab File: cs9243.D
Acq: 24 Oct 2025 12:23 pm

Tgt Ion:225 Resp: 6104

Ion	Ratio	Lower	Upper
225	100		
223	64.2	31.9	91.9
227	64.1	32.6	92.6

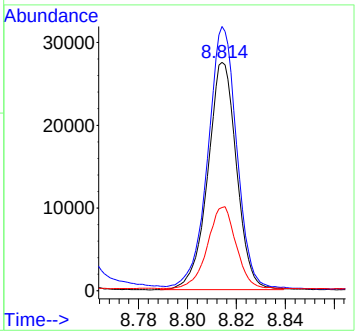


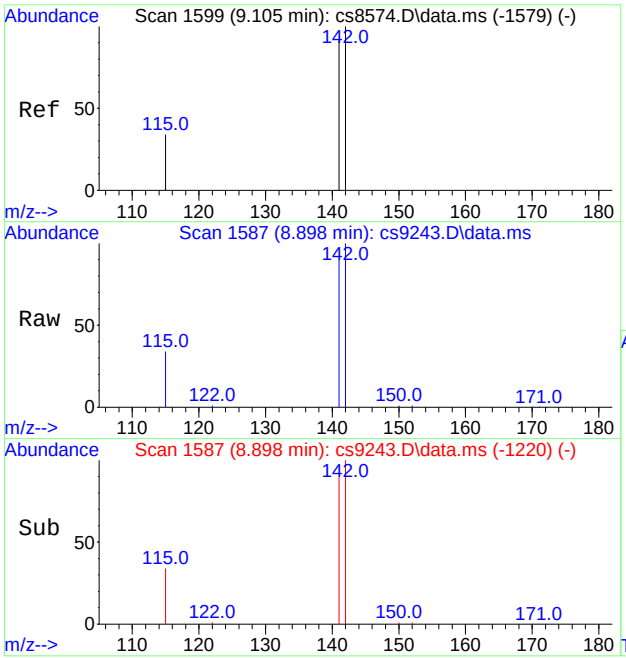


#9
2-Methylnaphthalene
Concen: 202.8461 ppb
RT: 8.814 min Scan# 1517
Delta R.T. 0.000 min
Lab File: cs9243.D
Acq: 24 Oct 2025 12:23 pm

Tgt Ion:141 Resp: 22491

Ion	Ratio	Lower	Upper
141	100		
142	114.8	83.0	143.0
115	35.6	5.9	65.9

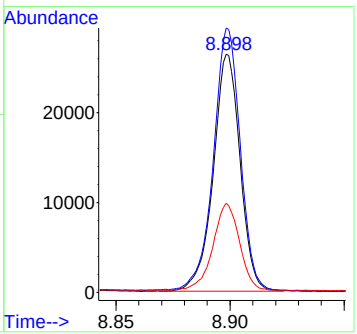


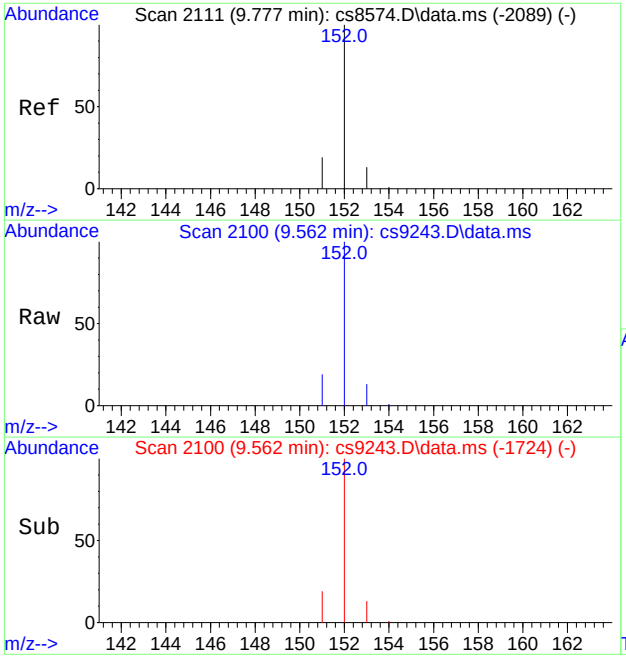


#10
1-Methylnaphthalene
Concen: 204.4952 ppb
RT: 8.898 min Scan# 1587
Delta R.T. 0.000 min
Lab File: cs9243.D
Acq: 24 Oct 2025 12:23 pm

Tgt Ion:141 Resp: 21573

Ion	Ratio	Lower	Upper
141	100		
142	110.5	80.5	140.5
115	36.7	7.1	67.1

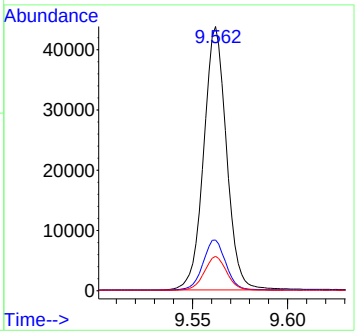


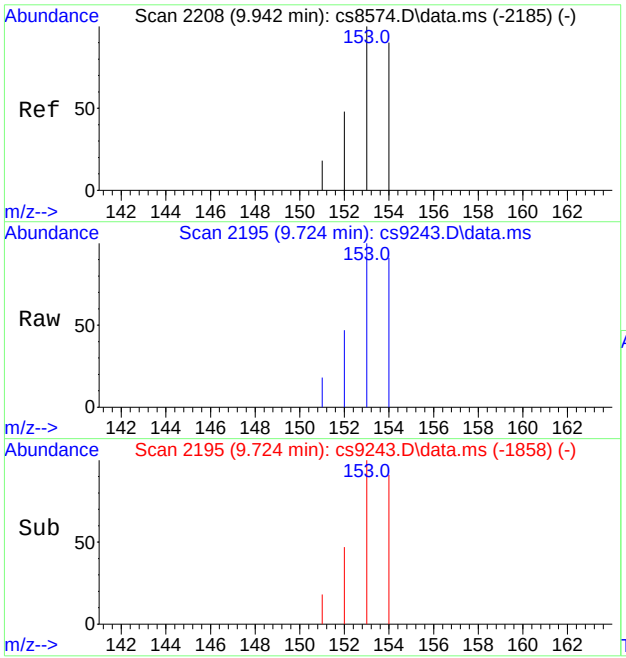


#13
Acenaphthylene
Concen: 214.8361 ppb
RT: 9.562 min Scan# 2100
Delta R.T. -0.001 min
Lab File: cs9243.D
Acq: 24 Oct 2025 12:23 pm

Tgt Ion:152 Resp: 36439

Ion	Ratio	Lower	Upper
152	100		
151	19.1	0.0	49.3
153	12.9	0.0	42.7

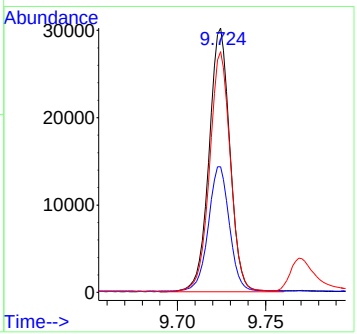


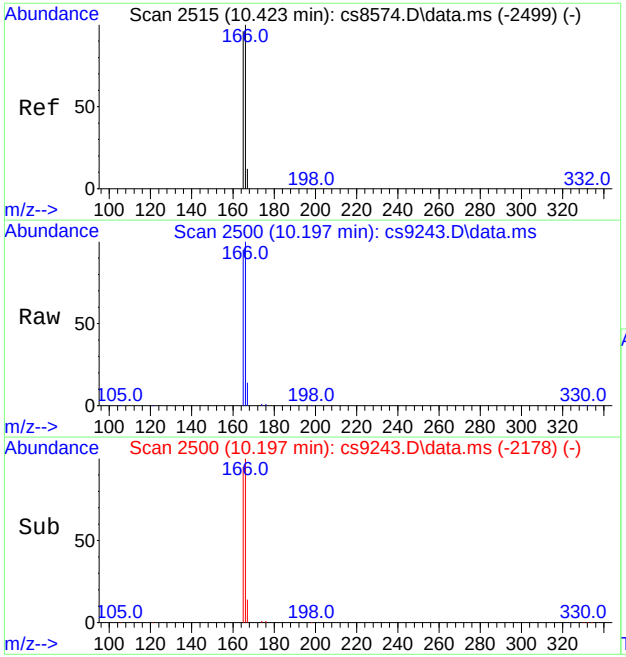


#14
Acenaphthene
Concen: 210.1265 ppb
RT: 9.724 min Scan# 2195
Delta R.T. 0.000 min
Lab File: cs9243.D
Acq: 24 Oct 2025 12:23 pm

Tgt Ion:153 Resp: 24799

Ion	Ratio	Lower	Upper
153	100		
152	47.1	17.7	77.7
154	89.9	59.5	119.5

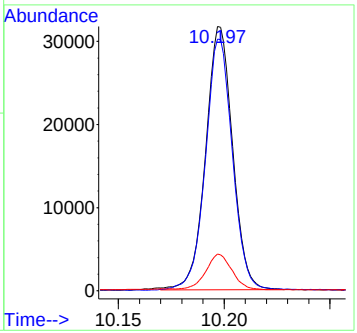


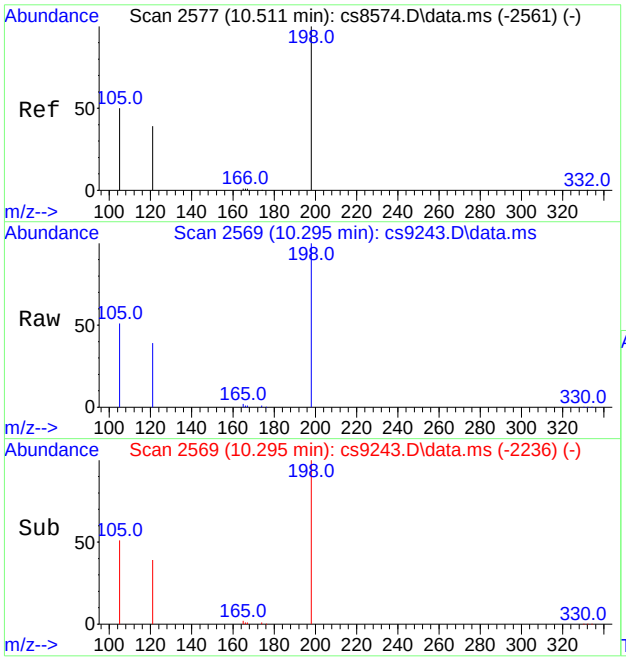


#15
Fluorene
Concen: 207.7503 ppb
RT: 10.197 min Scan# 2500
Delta R.T. 0.002 min
Lab File: cs9243.D
Acq: 24 Oct 2025 12:23 pm

Tgt Ion:166 Resp: 27990

Ion	Ratio	Lower	Upper
166	100		
165	95.4	65.7	125.7
167	13.4	0.0	42.4

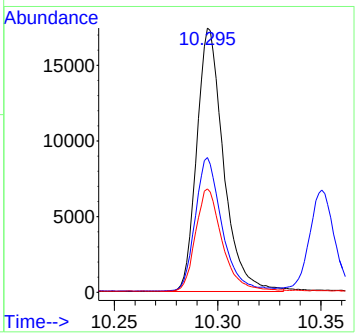


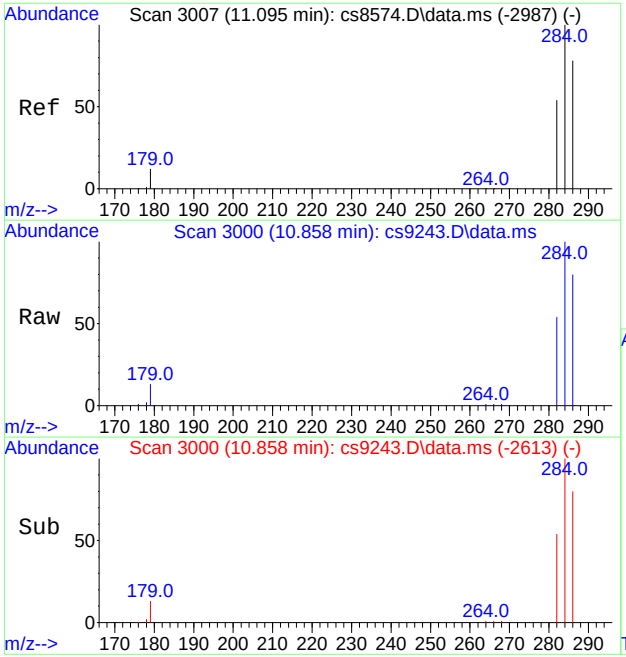


#16
4,6-dinitro-2-methylphenol
Concen: 1212.1120 ppb
RT: 10.295 min Scan# 2569
Delta R.T. 0.000 min
Lab File: cs9243.D
Acq: 24 Oct 2025 12:23 pm

Tgt Ion:198 Resp: 15727

Ion	Ratio	Lower	Upper
198	100		
105	50.3	30.1	70.1
121	38.8	19.4	59.4

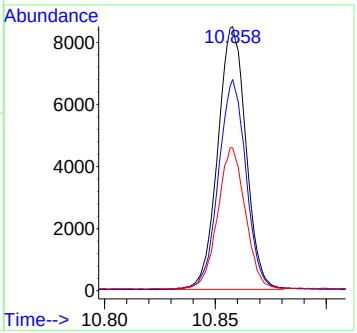


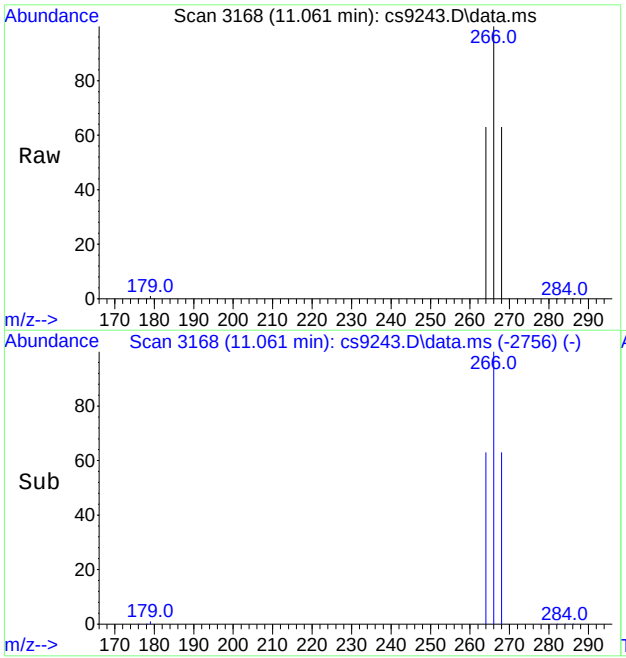


#19
Hexachlorobenzene
Concen: 214.9058 ppb
RT: 10.858 min Scan# 3000
Delta R.T. 0.000 min
Lab File: cs9243.D
Acq: 24 Oct 2025 12:23 pm

Tgt Ion:284 Resp: 7463

Ion	Ratio	Lower	Upper
284	100		
286	79.7	48.0	108.0
282	53.7	23.8	83.8

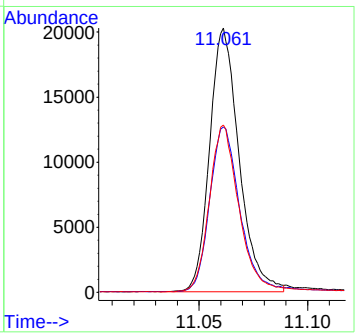


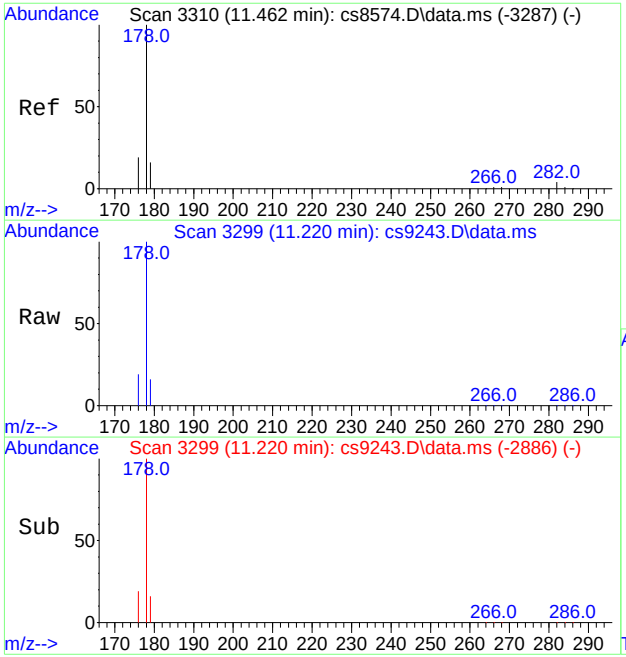


#20
Pentachlorophenol
Concen: 1126.8994 ppb
RT: 11.061 min Scan# 3168
Delta R.T. 0.000 min
Lab File: cs9243.D
Acq: 24 Oct 2025 12:23 pm

Tgt Ion:266 Resp: 19122

Ion	Ratio	Lower	Upper
266	100		
268	62.9	42.5	82.5
264	63.2	43.3	83.3

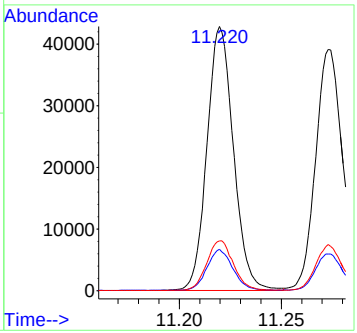


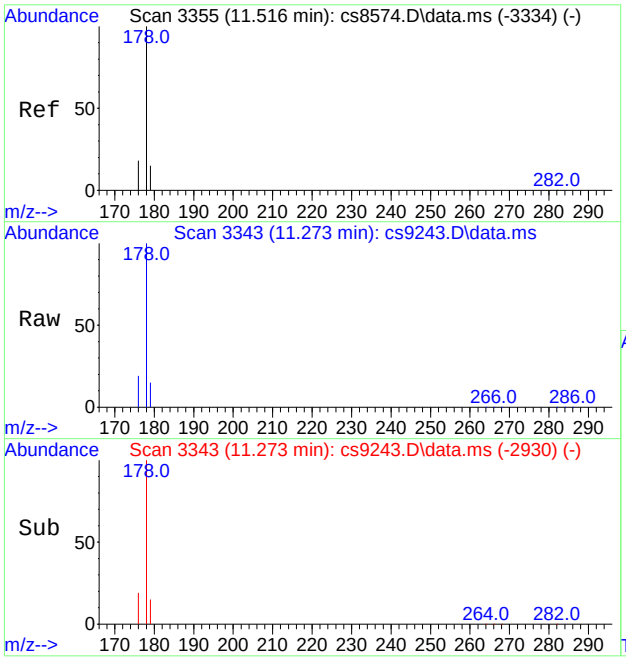


#21
Phenanthrene
Concen: 214.0940 ppb
RT: 11.220 min Scan# 3299
Delta R.T. 0.000 min
Lab File: cs9243.D
Acq: 24 Oct 2025 12:23 pm

Tgt Ion:178 Resp: 38658

Ion	Ratio	Lower	Upper
178	100		
179	15.5	0.0	45.8
176	18.8	0.0	49.2

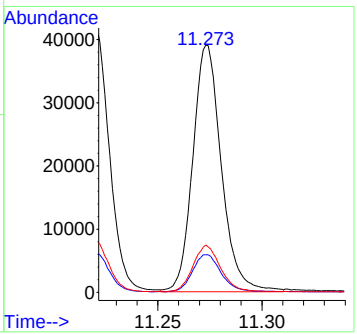


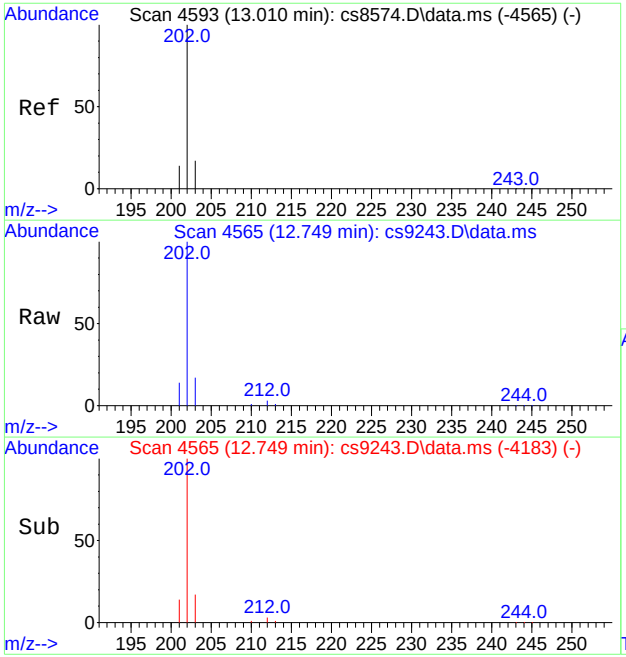


#22
Anthracene
Concen: 223.7019 ppb
RT: 11.273 min Scan# 3343
Delta R.T. 0.000 min
Lab File: cs9243.D
Acq: 24 Oct 2025 12:23 pm

Tgt Ion:178 Resp: 37246

Ion	Ratio	Lower	Upper
178	100		
179	15.1	0.0	45.2
176	19.1	0.0	48.4

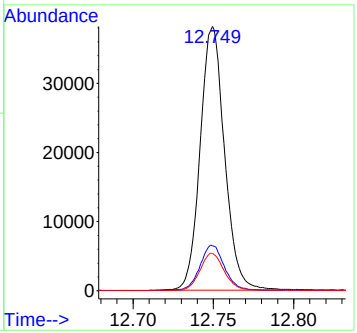


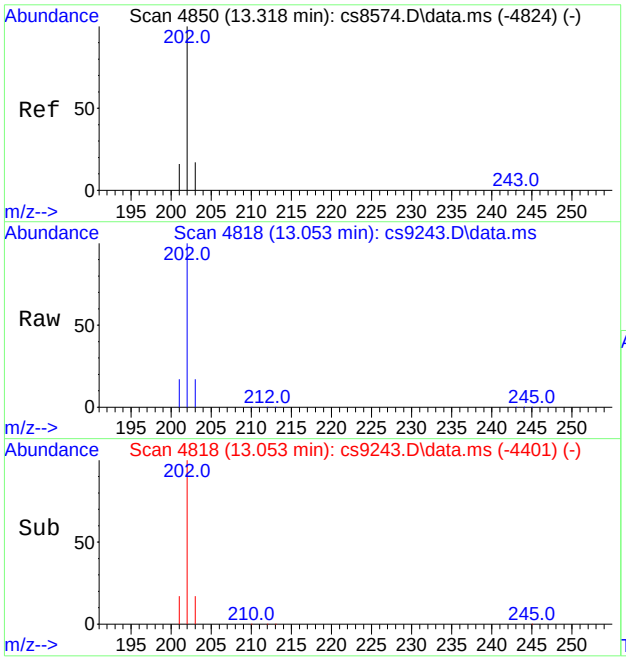


#23
Fluoranthene
Concen: 212.5399 ppb
RT: 12.749 min Scan# 4565
Delta R.T. 0.000 min
Lab File: cs9243.D
Acq: 24 Oct 2025 12:23 pm

Tgt Ion:202 Resp: 40285

Ion	Ratio	Lower	Upper
202	100		
203	16.9	0.0	47.2
201	14.0	0.0	44.0

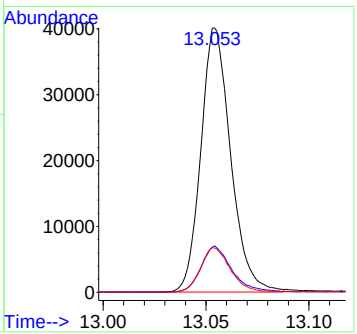


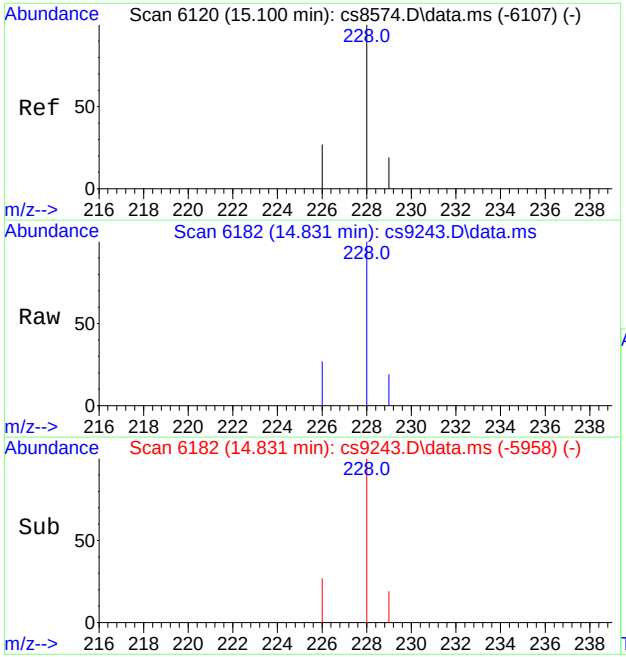


#24
Pyrene
Concen: 209.4937 ppb
RT: 13.053 min Scan# 4818
Delta R.T. 0.000 min
Lab File: cs9243.D
Acq: 24 Oct 2025 12:23 pm

Tgt Ion:202 Resp: 40342

Ion	Ratio	Lower	Upper
202	100		
203	17.0	0.0	47.2
201	16.7	0.0	46.4

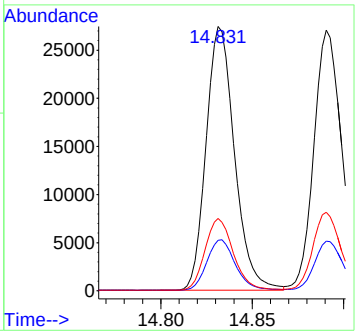


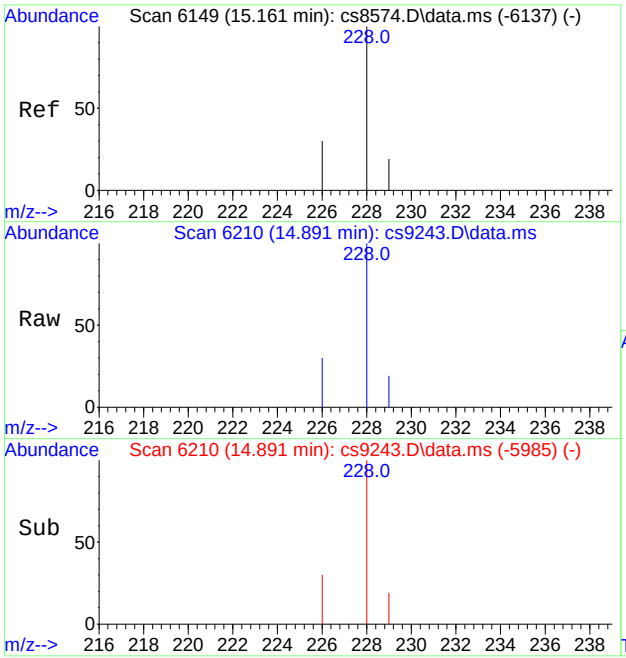


#26
Benzo[a]anthracene
Concen: 213.7268 ppb
RT: 14.831 min Scan# 6182
Delta R.T. 0.000 min
Lab File: cs9243.D
Acq: 24 Oct 2025 12:23 pm

Tgt Ion:228 Resp: 29718

Ion	Ratio	Lower	Upper
228	100		
229	19.0	0.0	49.1
226	27.2	0.0	57.0

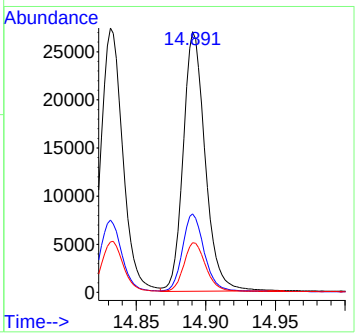


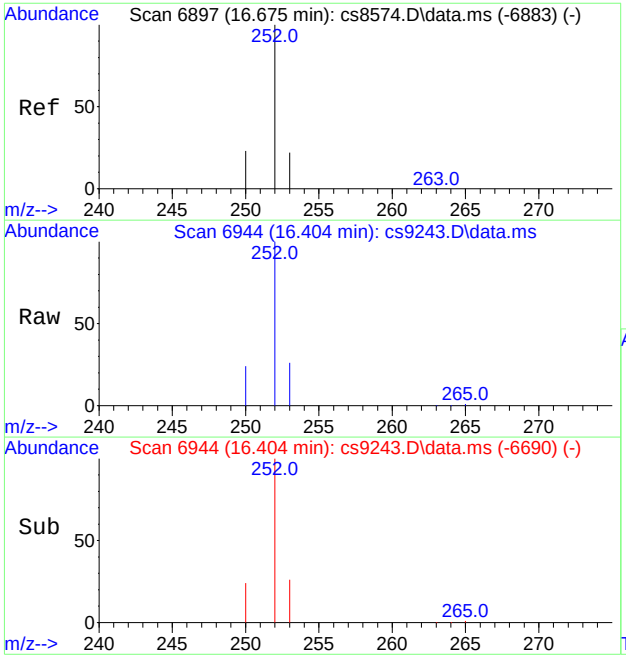


#27
Chrysene
Concen: 214.0925 ppb
RT: 14.891 min Scan# 6210
Delta R.T. 0.000 min
Lab File: cs9243.D
Acq: 24 Oct 2025 12:23 pm

Tgt Ion:228 Resp: 29549

Ion	Ratio	Lower	Upper
228	100		
226	30.0	0.0	59.6
229	18.8	0.0	49.1

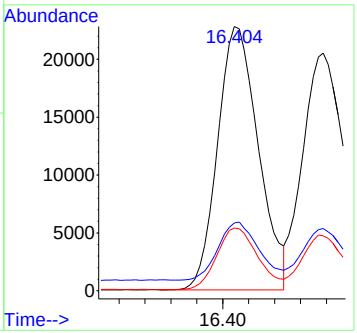


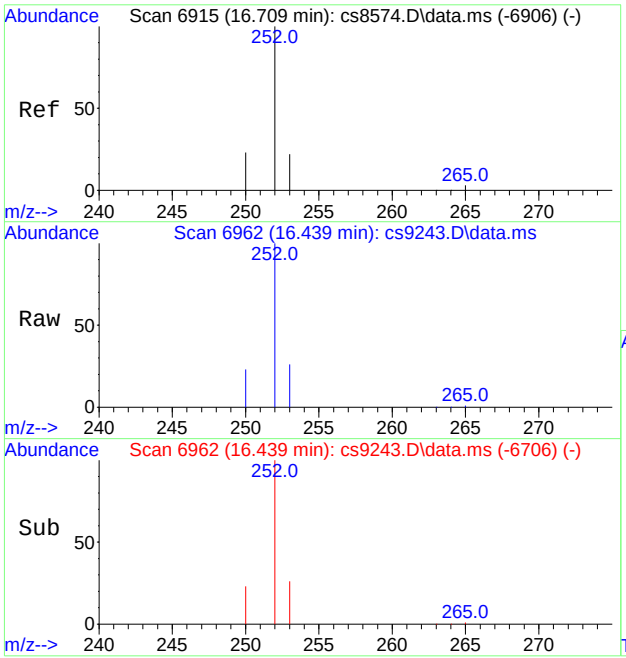


#29
Benzo[b]fluoranthene
Concen: 203.8798 ppb
RT: 16.404 min Scan# 6944
Delta R.T. -0.001 min
Lab File: cs9243.D
Acq: 24 Oct 2025 12:23 pm

Tgt Ion:252 Resp: 24936

Ion	Ratio	Lower	Upper
252	100		
253	21.5	0.0	51.5
250	23.3	0.0	53.4

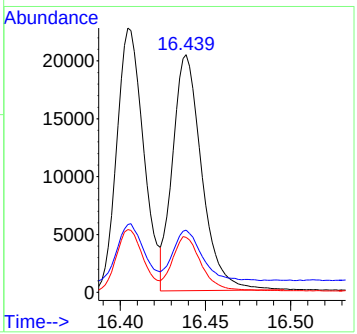


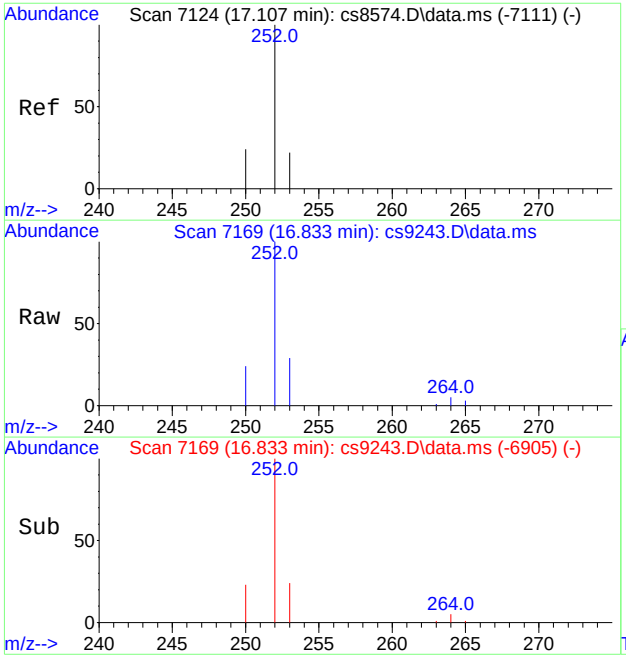


#30
Benzo[k]fluoranthene
Concen: 212.8476 ppb
RT: 16.439 min Scan# 6962
Delta R.T. 0.000 min
Lab File: cs9243.D
Acq: 24 Oct 2025 12:23 pm

Tgt Ion:252 Resp: 24276

Ion	Ratio	Lower	Upper
252	100		
253	21.5	0.0	51.3
250	22.6	0.0	53.2

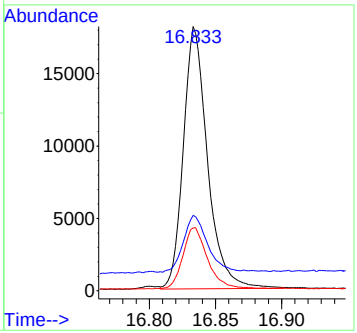


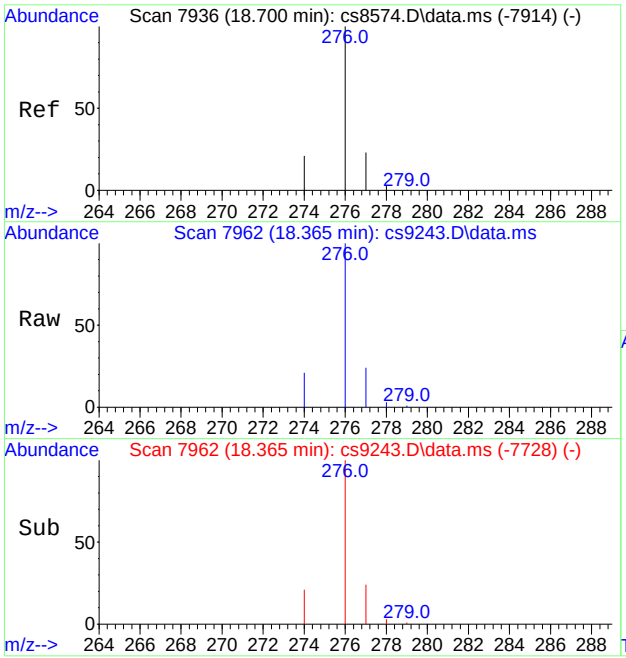


#31
Benzo[a]pyrene
Concen: 202.8906 ppb
RT: 16.833 min Scan# 7169
Delta R.T. 0.003 min
Lab File: cs9243.D
Acq: 24 Oct 2025 12:23 pm

Tgt Ion:252 Resp: 23010

Ion	Ratio	Lower	Upper
252	100		
253	21.5	0.0	51.3
250	23.1	0.0	53.7

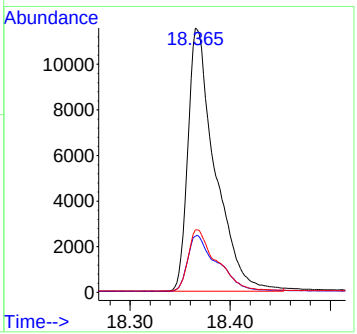


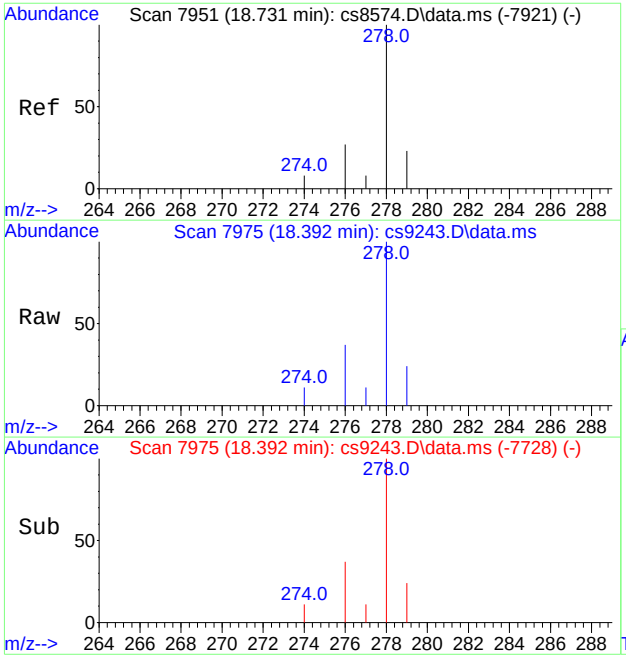


#32
Indeno[1,2,3-cd]pyrene
Concen: 242.7628 ppb
RT: 18.365 min Scan# 7962
Delta R.T. 0.000 min
Lab File: cs9243.D
Acq: 24 Oct 2025 12:23 pm

Tgt Ion:276 Resp: 21716

Ion	Ratio	Lower	Upper
276	100		
274	20.8	0.0	51.3
277	23.2	0.0	53.0

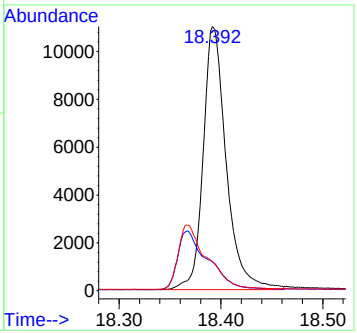


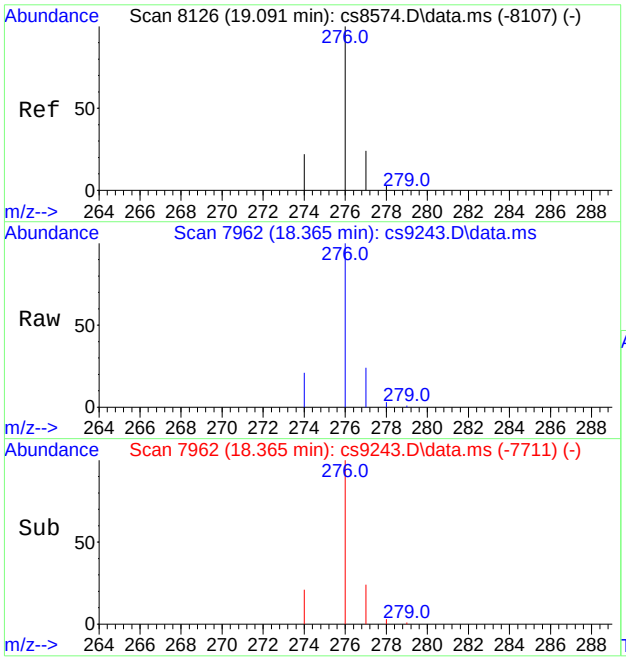


#33
Dibenz[a,h]anthracene
Concen: 206.8540 ppb
RT: 18.392 min Scan# 7975
Delta R.T. 0.000 min
Lab File: cs9243.D
Acq: 24 Oct 2025 12:23 pm

Tgt Ion:278 Resp: 17347

Ion	Ratio	Lower	Upper
278	100		
274	10.3	0.0	38.4
277	10.4	0.0	37.8

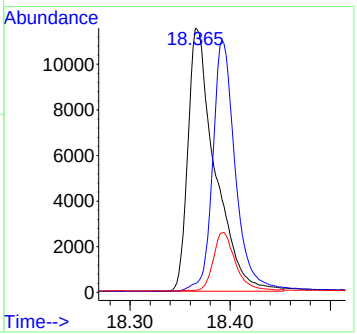




#34
Benzo[g,h,i]perylene
Concen: 243.5131 ppb
RT: 18.365 min Scan# 7962
Delta R.T. 0.000 min
Lab File: cs9243.D
Acq: 24 Oct 2025 12:23 pm

Tgt Ion:276 Resp: 21716

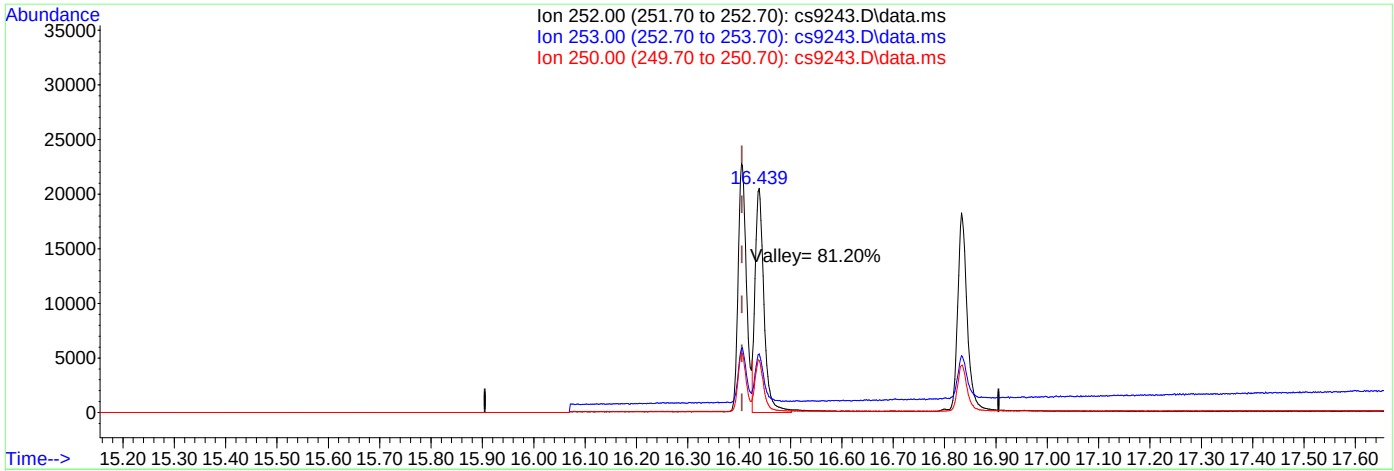
Ion	Ratio	Lower	Upper
276	100		
278	2.2	0.0	32.6
279	0.1	0.0	30.3

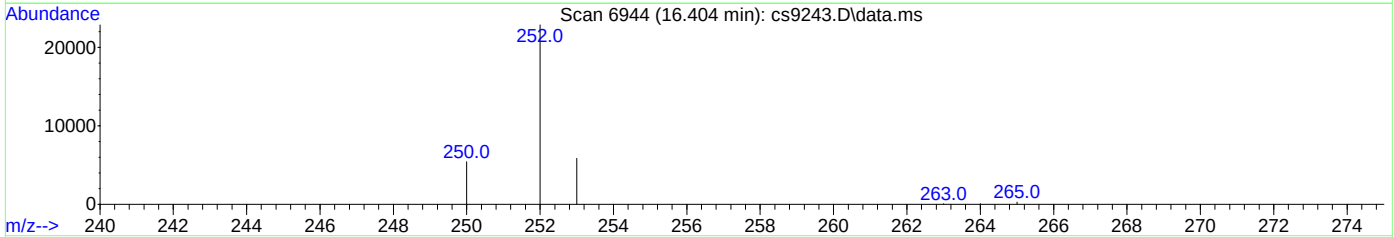


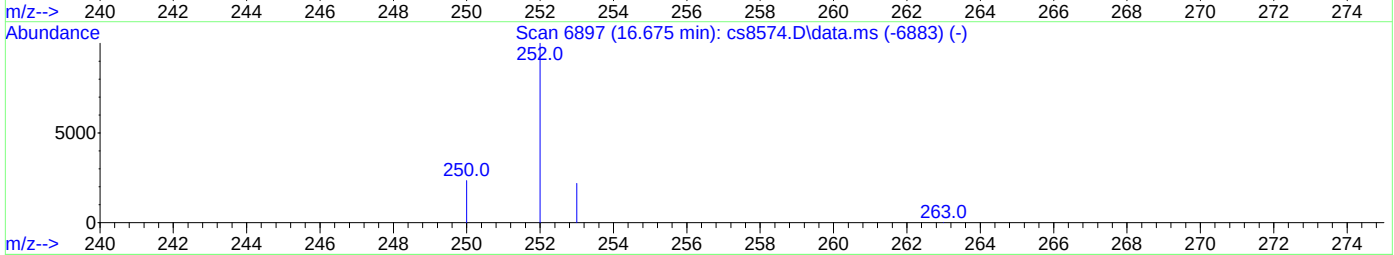
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\johanv\ecs475\
Data File : cs9243.D
Acq On : 24 Oct 2025 12:23 pm
Operator : alejanda
Sample : cc446-0.2 Inst : GCMS_CS
Misc : op68446c,ecs475,250,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 24 20:36:22 2025
Quant Method : X:\Dayton SVOA GCMS\johanv\ecs475\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Fri Oct 24 20:35:37 2025
Response via : Initial Calibration







TIC: cs9243.D\data.ms

(29) Benzo[b]fluoranthene (t)

16.404min (-0.001) 203.88ppb

response 24936

Ion	Exp%	Act%
252.00	100	100
253.00	21.50	21.54
250.00	23.40	23.33
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175453.D
Acq On : 10 Sep 2025 12:13 pm
Operator : rocquans
Sample : ic8654-0.002
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 11 11:46:18 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration

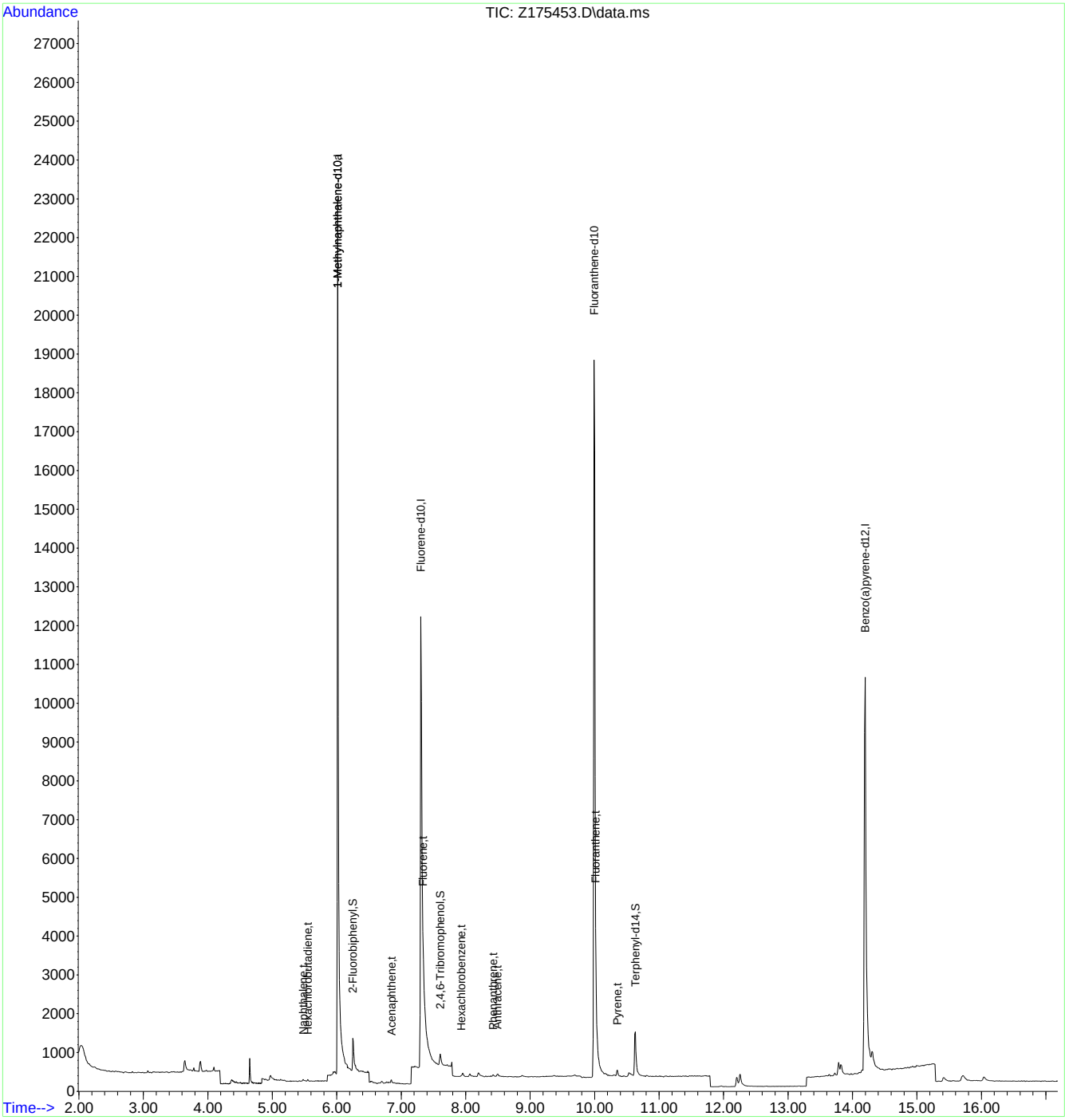
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1-Methylnaphthalene-d10	6.011	150	10890	800.00	ppb		0.00
12) Fluorene-d10	7.302	176	14122	800.00	ppb		0.00
19) Fluoranthene-d10	9.992	212	24099	800.00	ppb		0.00
29) Benzo(a)pyrene-d12	14.198	264	17008	800.00	ppb		0.00
36) 1-Methylnaphthalene-d10a	6.011	150	10983m	800.00	ppb		-0.08
System Monitoring Compounds							
3) 2-Fluorophenol	0.000	112	0d	0.00	ppb		
Spiked Amount 10000.000			Recovery =	0.00%			
4) Phenol-d5	0.000	99	0d	0.00	ppb		
Spiked Amount 10000.000			Recovery =	0.00%			
6) Nitrobenzene-d5	0.000	82	0d	0.00	ppb		
Spiked Amount 10000.000			Recovery =	0.00%			
13) 2-Fluorobiphenyl	6.250	172	794	37.98	ppb		0.00
Spiked Amount 10000.000			Recovery =	0.38%			
18) 2,4,6-Tribromophenol	7.606	330	151	40.48	ppb		0.02
Spiked Amount 10000.000			Recovery =	0.40%			
26) Terphenyl-d14	10.632	244	1453	67.72	ppb		0.02
Spiked Amount 10000.000			Recovery =	0.68%			
Target Compounds							Qvalue
7) Naphthalene	5.478	128	52	1.67	ppb		84
8) Hexachlorobutadiene	5.550	225	17	2.06	ppb		91
15) Acenaphthene	6.849	153	46	2.16	ppb		78
16) Fluorene	7.334	166	59	2.41	ppb	#	47
20) Hexachlorobenzene	7.930	284	25	2.88	ppb		75
22) Phenanthrene	8.426	178	72	2.36	ppb		91
23) Anthracene	8.494	178	104	2.75	ppb		91
24) Fluoranthene	10.016	202	182	5.01	ppb		94
25) Pyrene	10.353	202	190	4.97	ppb		97

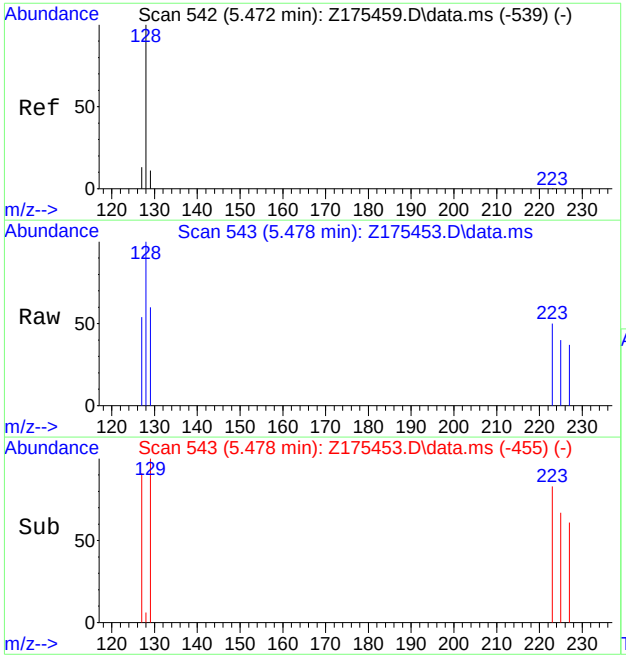
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175453.D
Acq On : 10 Sep 2025 12:13 pm
Operator : rocquans
Sample : ic8654-0.002
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 11 11:46:18 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration

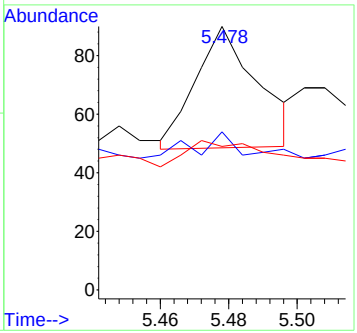


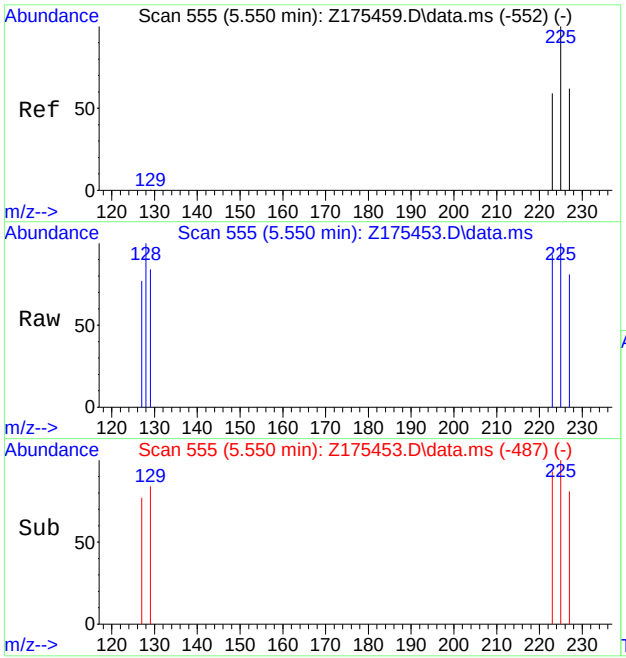


#7
Naphthalene
Concen: 1.67 ppb
RT: 5.478 min Scan# 543
Delta R.T. 0.006 min
Lab File: Z175453.D
Acq: 10 Sep 2025 12:13 pm

Tgt Ion:128 Resp: 52

Ion	Ratio	Lower	Upper
128	100		
129	21.5	0.0	40.6
127	15.4	0.0	43.3

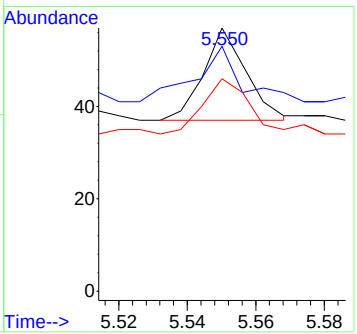


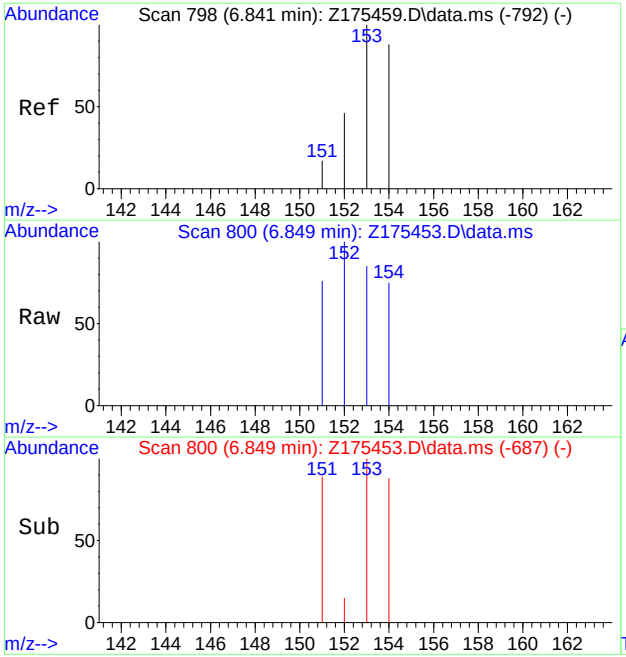


#8
Hexachlorobutadiene
Concen: 2.06 ppb
RT: 5.550 min Scan# 555
Delta R.T. 0.000 min
Lab File: Z175453.D
Acq: 10 Sep 2025 12:13 pm

Tgt Ion:225 Resp: 17

Ion	Ratio	Lower	Upper
225	100		
223	48.7	29.0	89.0
227	59.0	32.1	92.1

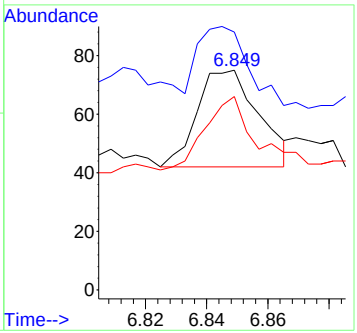


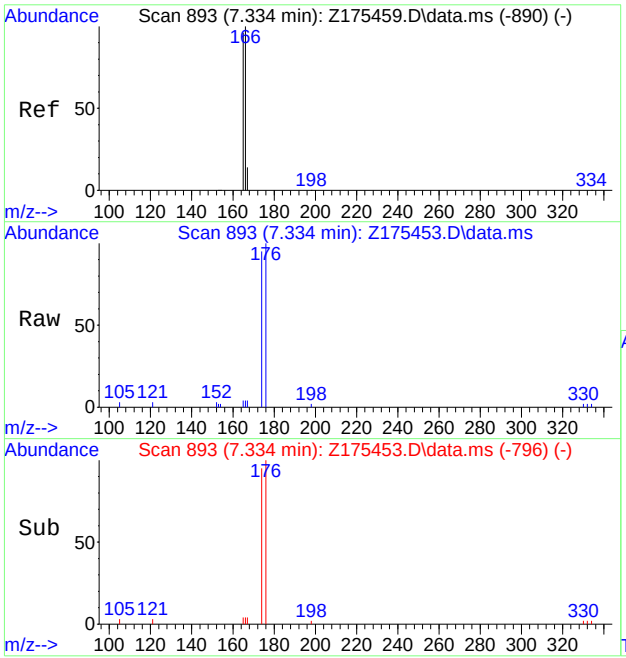


#15
Acenaphthene
Concen: 2.16 ppb
RT: 6.849 min Scan# 800
Delta R.T. 0.008 min
Lab File: Z175453.D
Acq: 10 Sep 2025 12:13 pm

Tgt Ion:153 Resp: 46

Ion	Ratio	Lower	Upper
153	100		
152	73.7	16.6	76.6
154	77.2	57.9	117.9

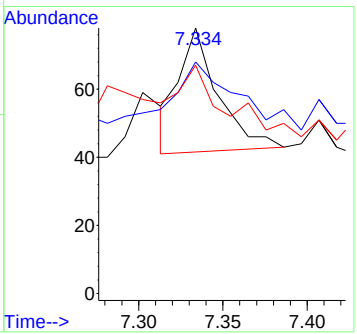


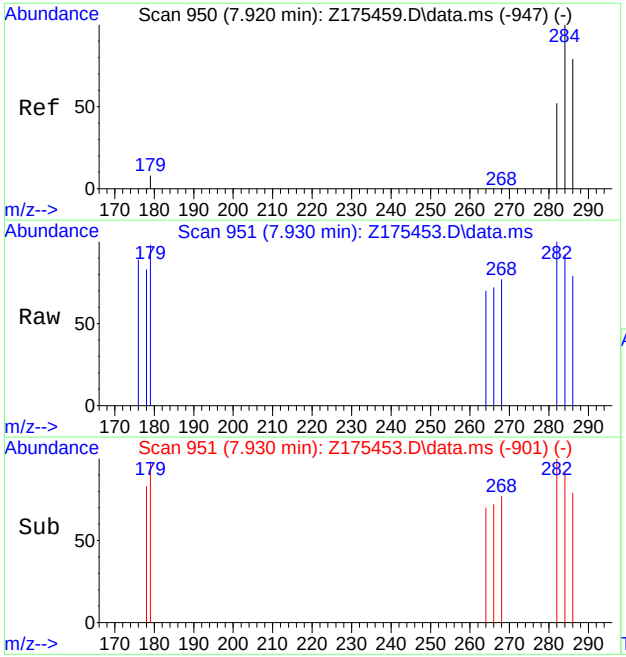


#16
Fluorene
Concen: 2.41 ppb
RT: 7.334 min Scan# 893
Delta R.T. 0.000 min
Lab File: Z175453.D
Acq: 10 Sep 2025 12:13 pm

Tgt Ion:166 Resp: 59

Ion	Ratio	Lower	Upper
166	100		
165	48.3	65.8	125.8#
167	48.3	0.0	43.5#

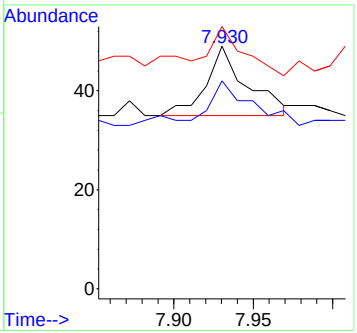


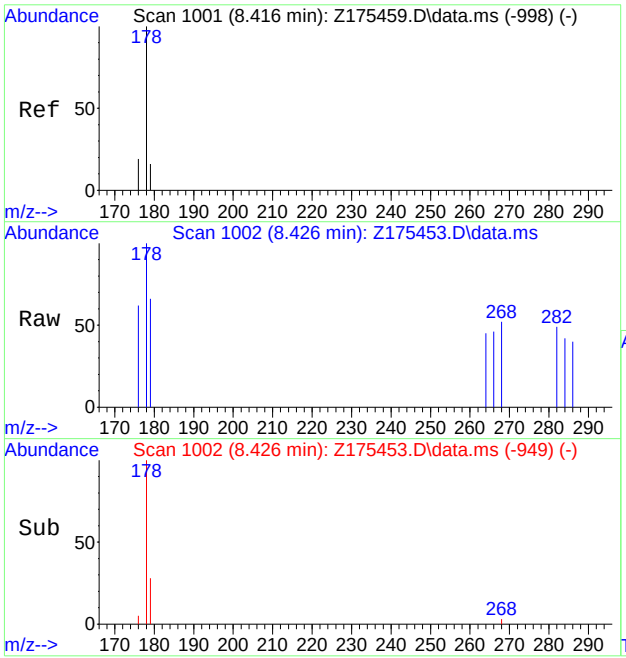


#20
Hexachlorobenzene
Concen: 2.88 ppb
RT: 7.930 min Scan# 951
Delta R.T. 0.010 min
Lab File: Z175453.D
Acq: 10 Sep 2025 12:13 pm

Tgt Ion:284 Resp: 25

Ion	Ratio	Lower	Upper
284	100		
286	50.0	48.9	108.9
282	61.5	22.1	82.1

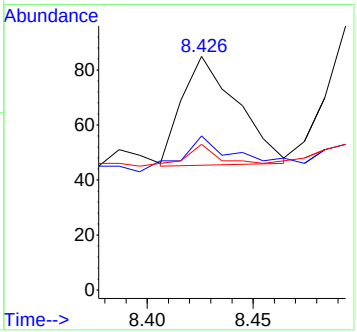


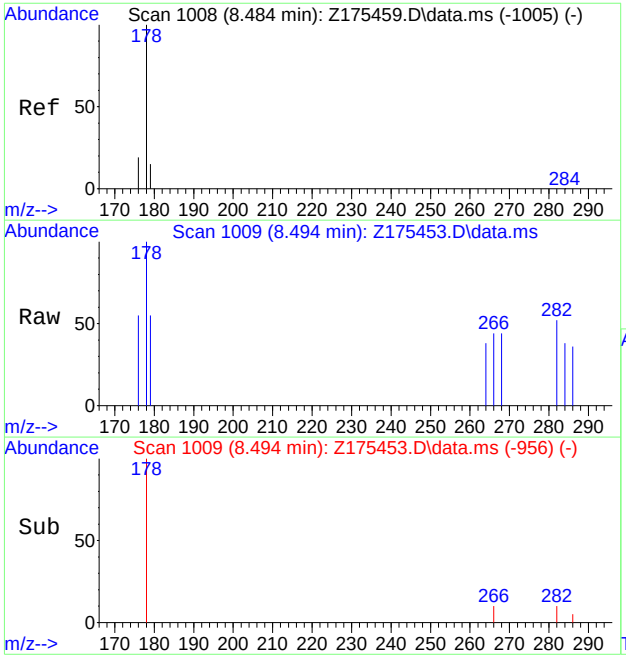


#22
Phenanthrene
Concen: 2.36 ppb
RT: 8.426 min Scan# 1002
Delta R.T. 0.010 min
Lab File: Z175453.D
Acq: 10 Sep 2025 12:13 pm

Tgt Ion:178 Resp: 72

Ion	Ratio	Lower	Upper
178	100		
179	22.4	0.0	45.6
176	17.1	0.0	48.6

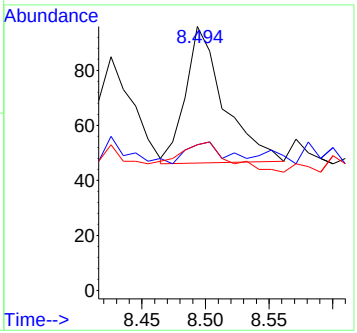


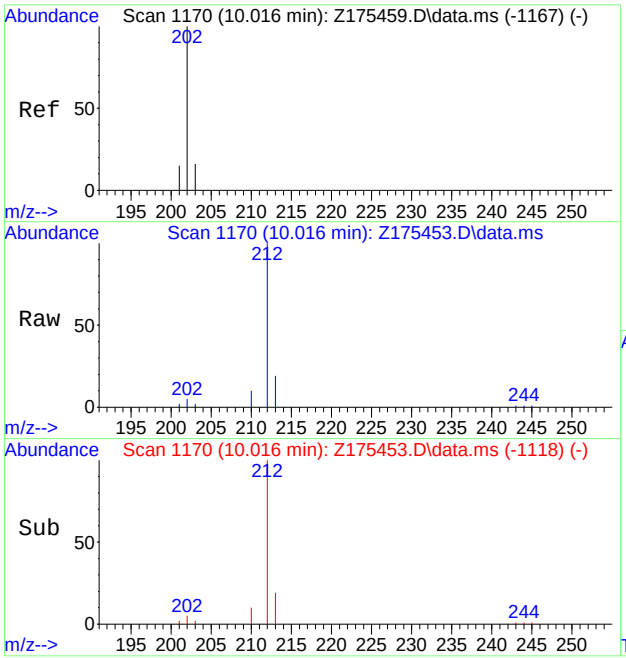


#23
Anthracene
Concen: 2.75 ppb
RT: 8.494 min Scan# 1009
Delta R.T. 0.010 min
Lab File: Z175453.D
Acq: 10 Sep 2025 12:13 pm

Tgt Ion:178 Resp: 104

Ion	Ratio	Lower	Upper
178	100		
179	9.3	0.0	44.8
176	16.5	0.0	48.7

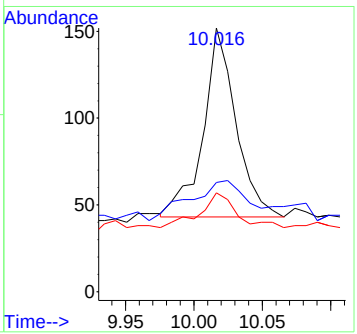


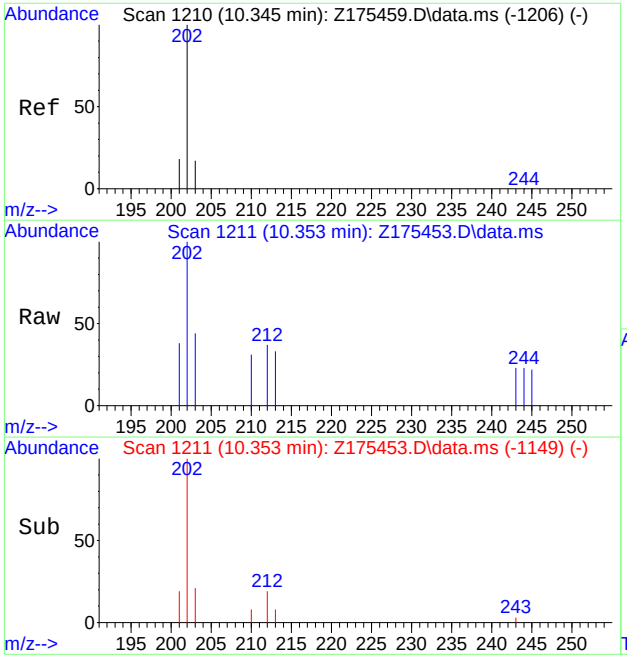


#24
Fluoranthene
Concen: 5.01 ppb
RT: 10.016 min Scan# 1170
Delta R.T. 0.000 min
Lab File: Z175453.D
Acq: 10 Sep 2025 12:13 pm

Tgt Ion:202 Resp: 182

Ion	Ratio	Lower	Upper
202	100		
203	14.8	0.0	46.4
201	18.5	0.0	45.1

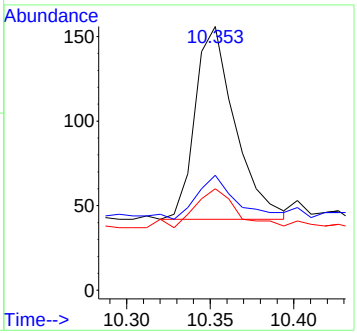




#25
Pyrene
Concen: 4.97 ppb
RT: 10.353 min Scan# 1211
Delta R.T. 0.008 min
Lab File: Z175453.D
Acq: 10 Sep 2025 12:13 pm

Tgt Ion:202 Resp: 190

Ion	Ratio	Lower	Upper
202	100		
203	20.2	0.0	47.4
201	17.9	0.0	47.8



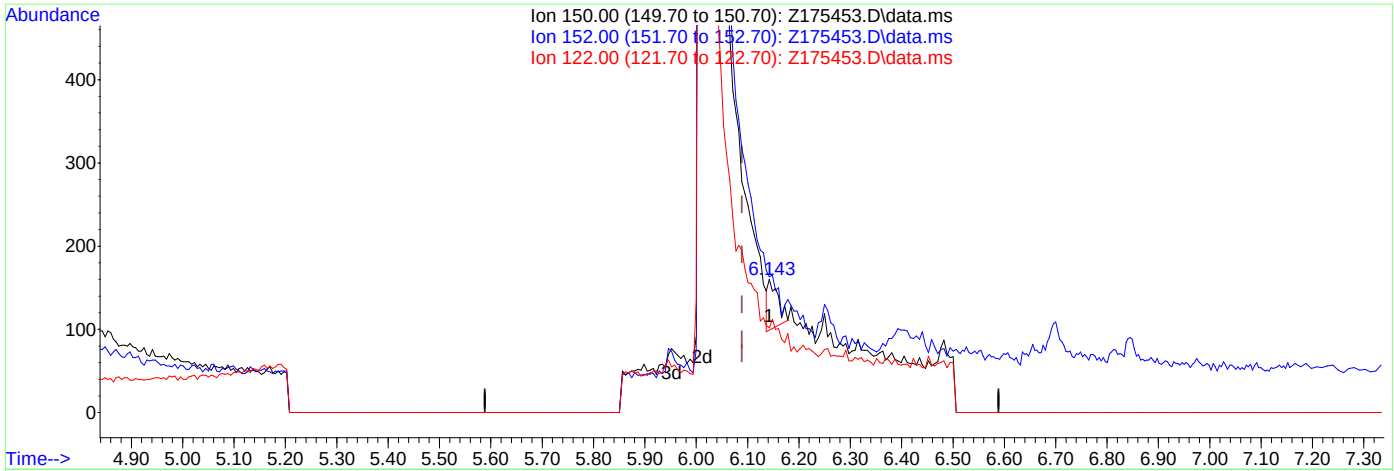
9.6.15

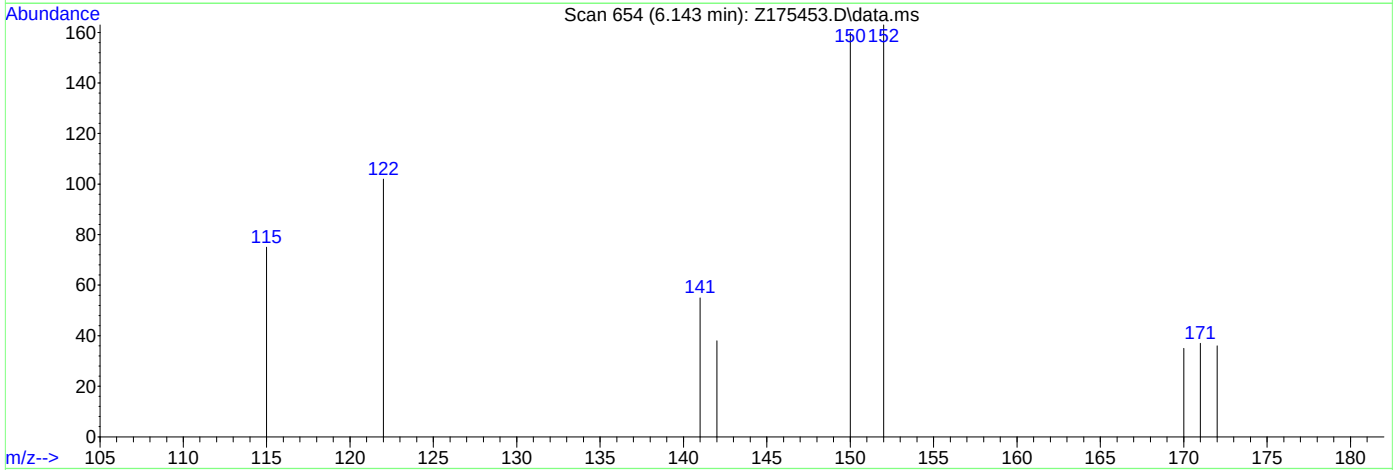
6

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175453.D
Acq On : 10 Sep 2025 12:13 pm
Operator : rocquans
Sample : ic8654-0.002
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 16:49:22 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175453.D\data.ms

(36) 1-Methylnaphthalene-d10a

6.143min (+0.054) 800.00ppb

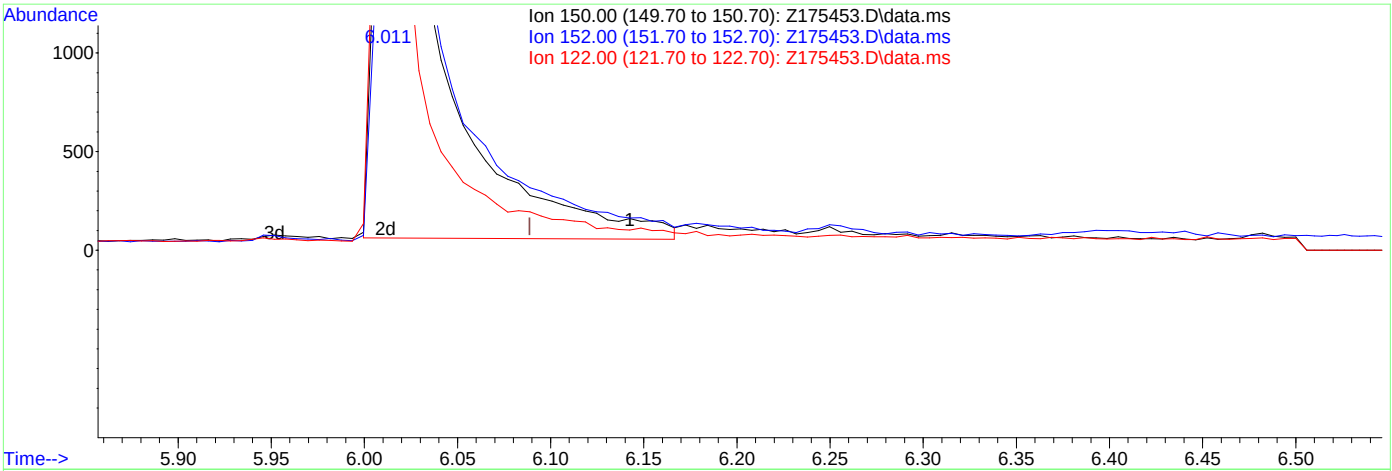
response 79

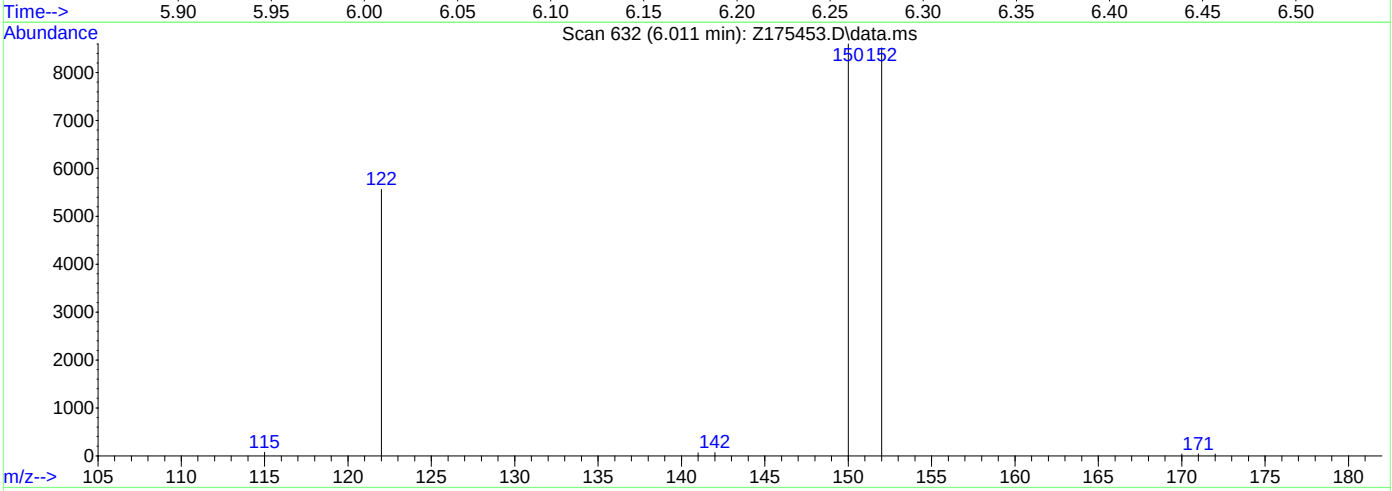
Ion	Exp%	Act%
150.00	100	100
152.00	80.50	30.16#
122.00	40.20	6.35#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175453.D
Acq On : 10 Sep 2025 12:13 pm
Operator : rocquans
Sample : ic8654-0.002
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 16:49:22 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175453.D\data.ms

(36) 1-Methylnaphthalene-d10a

6.011min (-0.077) 800.00ppb m

response 10983

Ion	Exp%	Act%
150.00	100	100
152.00	80.50	99.00
122.00	40.20	64.68#
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
09/15/25 15:51

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175454.D
Acq On : 10 Sep 2025 12:38 pm
Operator : rocquans
Sample : ic8654-0.004
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 11 11:47:14 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	6.017	150	10071	800.00	ppb	0.00
12) Fluorene-d10	7.313	176	12827	800.00	ppb	0.01
19) Fluoranthene-d10	10.000	212	24087	800.00	ppb	0.00
29) Benzo(a)pyrene-d12	14.197	264	17267	800.00	ppb	0.00
36) 1-Methylnaphthalene-d10a	6.017	150	10100m	800.00	ppb	-0.07
System Monitoring Compounds						
3) 2-Fluorophenol	3.667	112	365	47.70	ppb	0.05
Spiked Amount 10000.000			Recovery =	0.48%		
4) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
6) Nitrobenzene-d5	0.000	82	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
13) 2-Fluorobiphenyl	6.262	172	1412	74.36	ppb	0.02
Spiked Amount 10000.000			Recovery =	0.74%		
18) 2,4,6-Tribromophenol	7.616	330	216	63.75	ppb	0.03
Spiked Amount 10000.000			Recovery =	0.64%		
26) Terphenyl-d14	10.632	244	1768	82.44	ppb	0.02
Spiked Amount 10000.000			Recovery =	0.82%		
Target Compounds						Qvalue
7) Naphthalene	5.490	128	93	3.23	ppb	93
8) Hexachlorobutadiene	5.556	225	29	3.80	ppb	76
14) Acenaphthylene	6.708	152	90	3.28	ppb	88
15) Acenaphthene	6.853	153	73	3.78	ppb	83
16) Fluorene	7.344	166	47	2.11	ppb	83
20) Hexachlorobenzene	7.930	284	33	3.80	ppb	94
21) Pentachlorophenol	8.241	266	44m	15.32	ppb	
22) Phenanthrene	8.435	178	108	3.54	ppb	81
23) Anthracene	8.513	178	148m	3.91	ppb	
24) Fluoranthene	10.025	202	173m	4.77	ppb	
25) Pyrene	10.353	202	185	4.84	ppb	94
27) Benzo[a]anthracene	12.221	228	133	5.50	ppb	88
28) Chrysene	12.267	228	256	6.16	ppb	89
30) Benzo[b]fluoranthene	13.783	252	153	6.40	ppb	92
31) Benzo[k]fluoranthene	13.829	252	160	4.24	ppb	77
32) Benzo[a]pyrene	14.220	252	206	7.14	ppb	96
33) Indeno[1,2,3-cd]pyrene	15.723	276	161m	4.93	ppb	
34) Dibenz[a,h]anthracene	15.751	278	141	5.22	ppb	83
35) Benzo[g,h,i]perylene	16.049	276	133	4.67	ppb	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

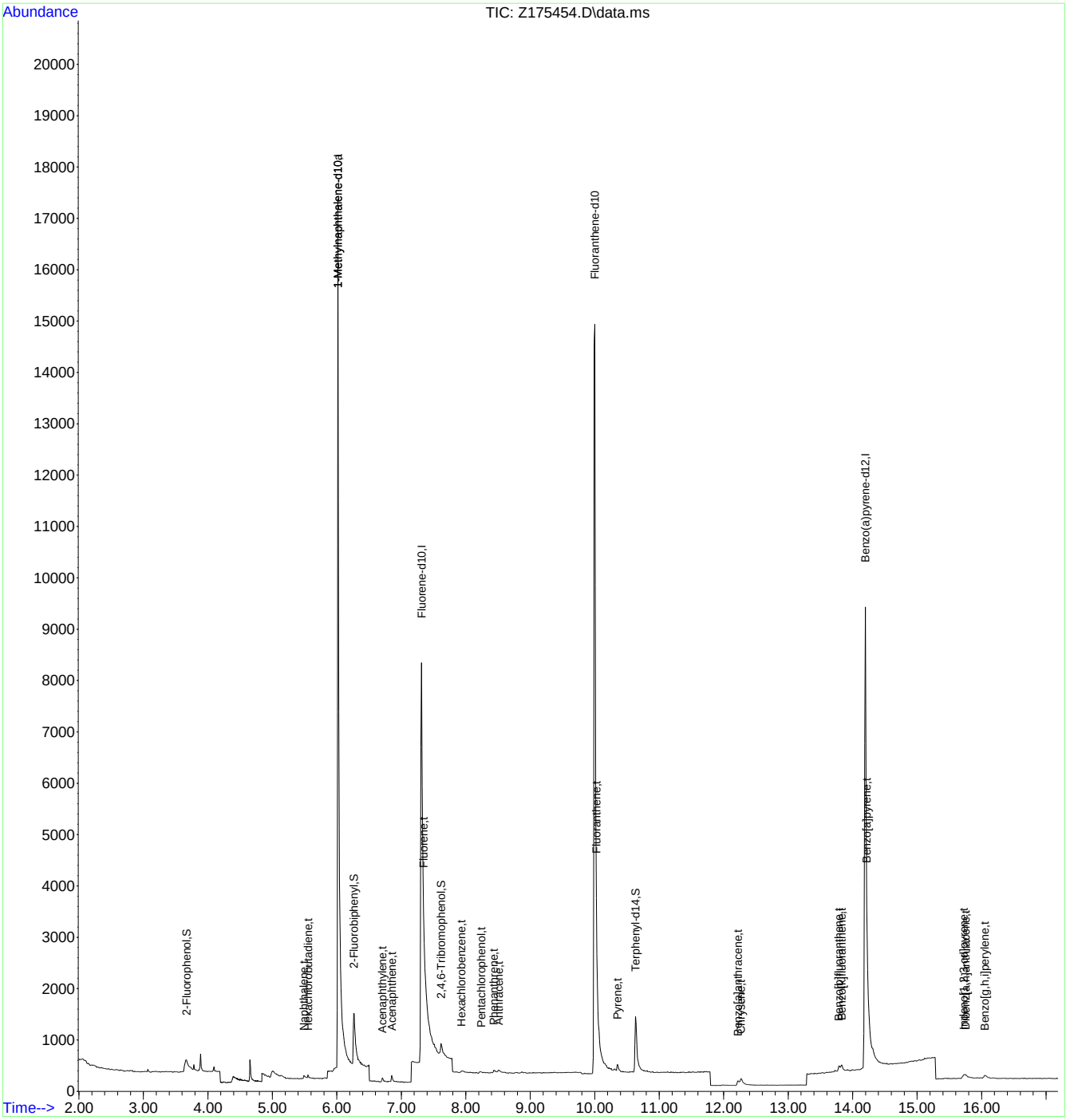
9.6.16

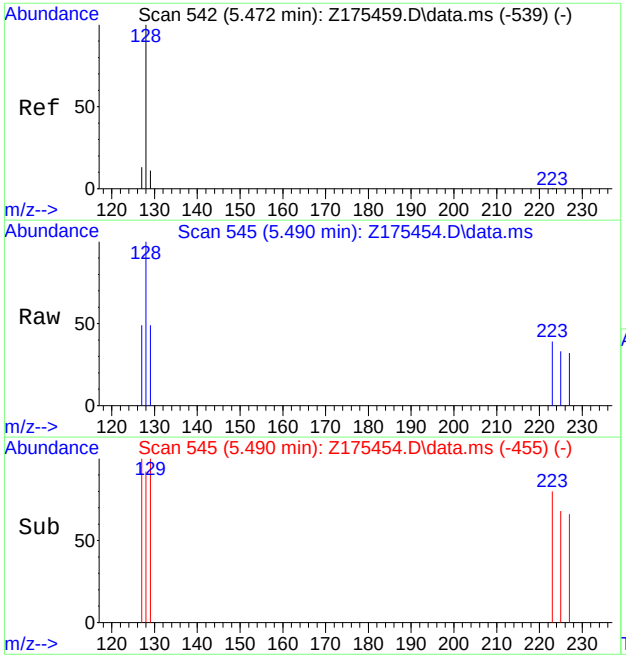
6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175454.D
Acq On : 10 Sep 2025 12:38 pm
Operator : rocquans
Sample : ic8654-0.004
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 11 11:47:14 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration

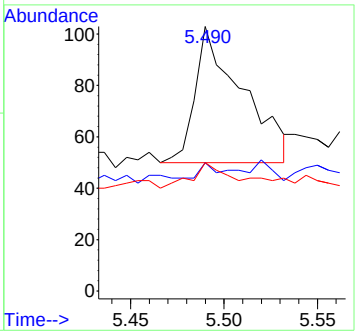


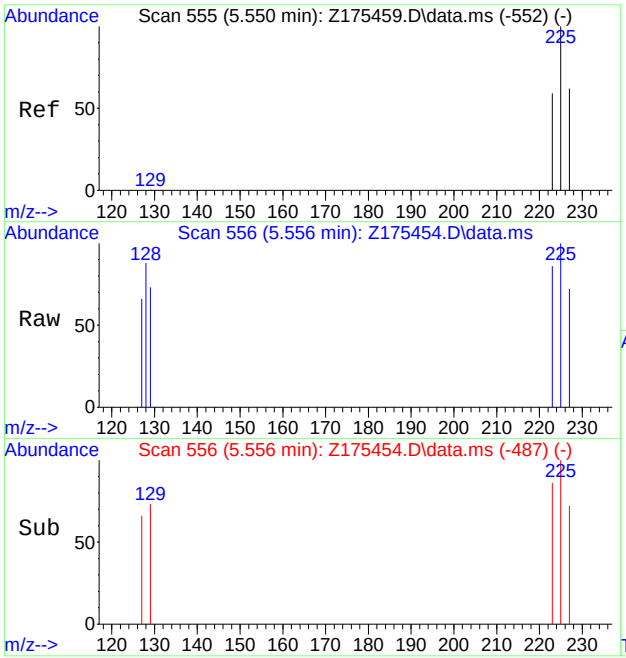


#7
Naphthalene
Concen: 3.23 ppb
RT: 5.490 min Scan# 545
Delta R.T. 0.018 min
Lab File: Z175454.D
Acq: 10 Sep 2025 12:38 pm

Tgt Ion:128 Resp: 93

Ion	Ratio	Lower	Upper
128	100		
129	12.6	0.0	40.6
127	16.8	0.0	43.3

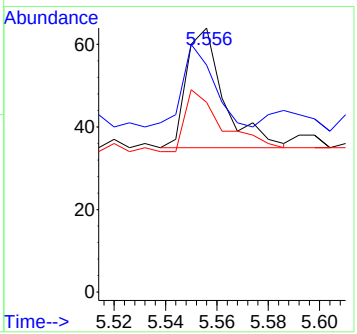


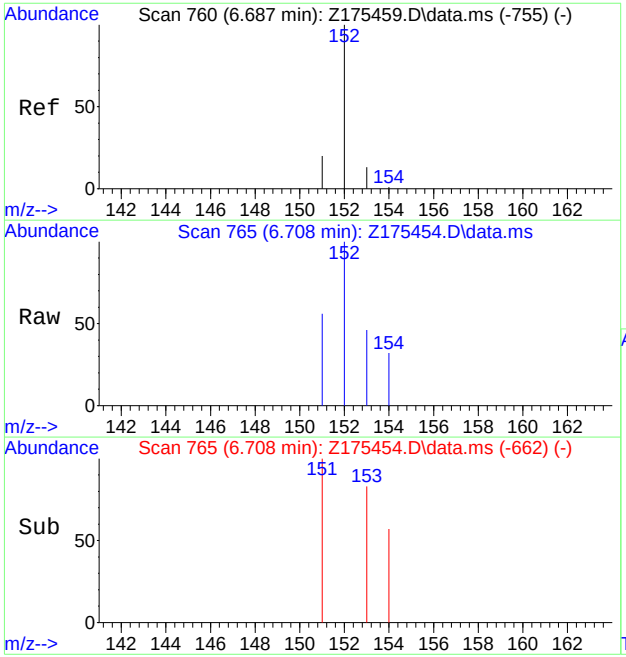


#8
Hexachlorobutadiene
Concen: 3.80 ppb
RT: 5.556 min Scan# 556
Delta R.T. 0.006 min
Lab File: Z175454.D
Acq: 10 Sep 2025 12:38 pm

Tgt Ion:225 Resp: 29

Ion	Ratio	Lower	Upper
225	100		
223	43.9	29.0	89.0
227	40.4	32.1	92.1

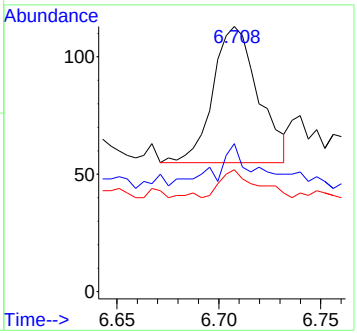


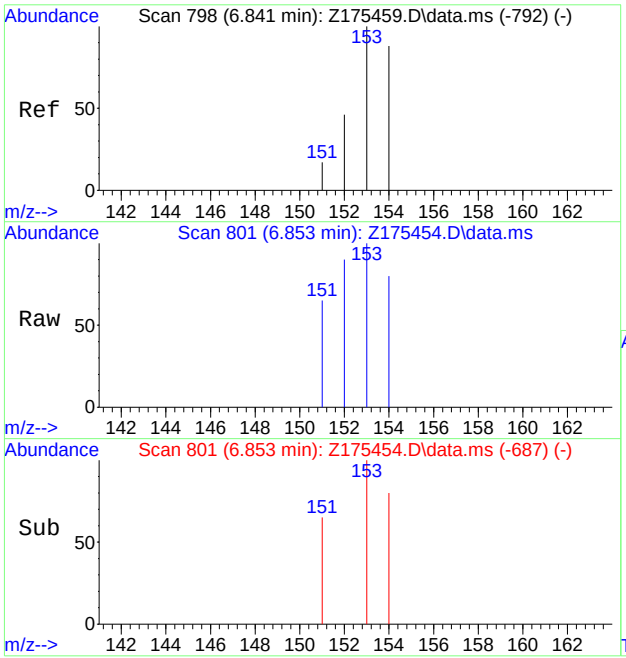


#14
Acenaphthylene
Concen: 3.28 ppb
RT: 6.708 min Scan# 765
Delta R.T. 0.020 min
Lab File: Z175454.D
Acq: 10 Sep 2025 12:38 pm

Tgt Ion:152 Resp: 90

Ion	Ratio	Lower	Upper
152	100		
151	25.0	0.0	50.1
153	18.3	0.0	42.6

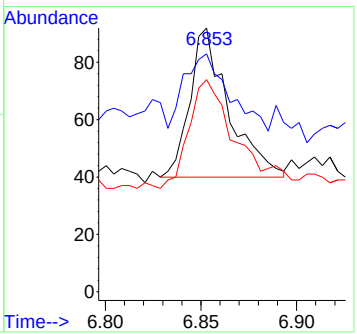




#15
Acenaphthene
Concen: 3.78 ppb
RT: 6.853 min Scan# 801
Delta R.T. 0.012 min
Lab File: Z175454.D
Acq: 10 Sep 2025 12:38 pm

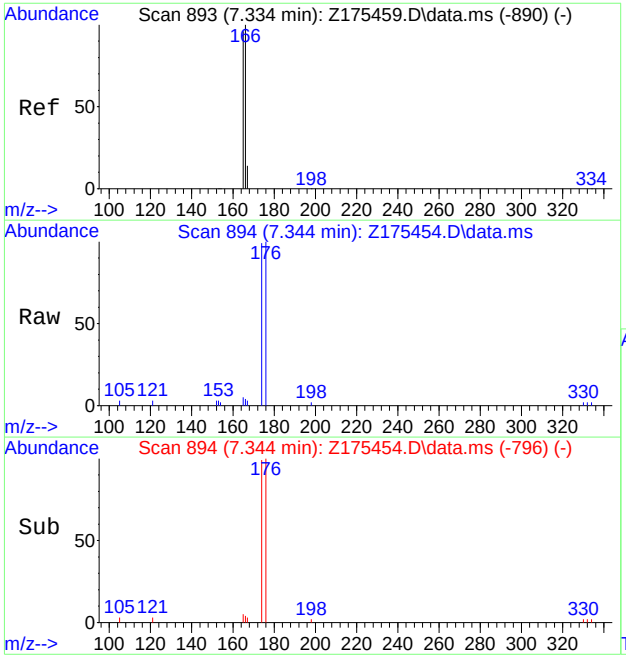
Tgt Ion:153 Resp: 73

Ion	Ratio	Lower	Upper
153	100		
152	40.2	16.6	76.6
154	68.6	57.9	117.9



9.6.16

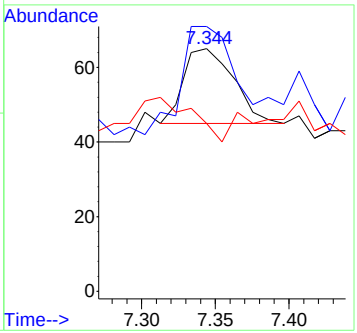
6

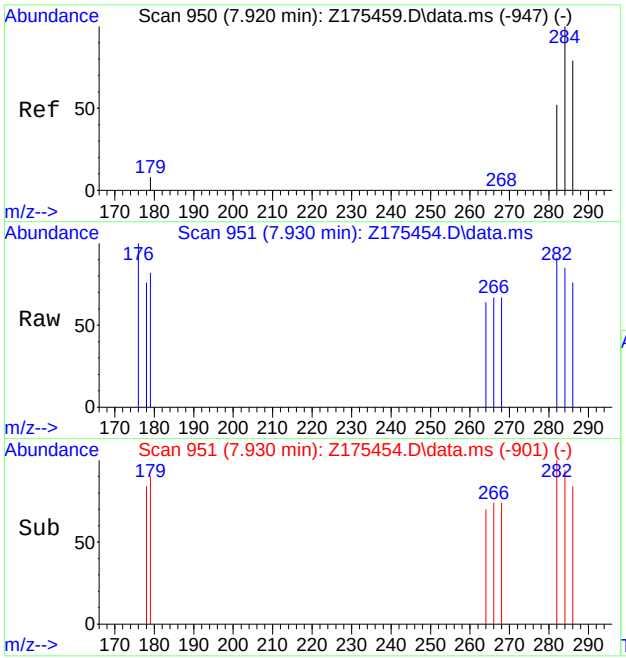


#16
Fluorene
Concen: 2.11 ppb
RT: 7.344 min Scan# 894
Delta R.T. 0.010 min
Lab File: Z175454.D
Acq: 10 Sep 2025 12:38 pm

Tgt Ion:166 Resp: 47

Ion	Ratio	Lower	Upper
166	100		
165	110.0	65.8	125.8
167	0.0	0.0	43.5

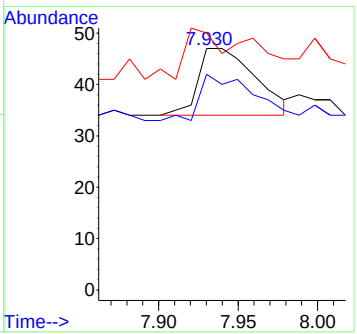




#20
Hexachlorobenzene
Concen: 3.80 ppb
RT: 7.930 min Scan# 951
Delta R.T. 0.010 min
Lab File: Z175454.D
Acq: 10 Sep 2025 12:38 pm

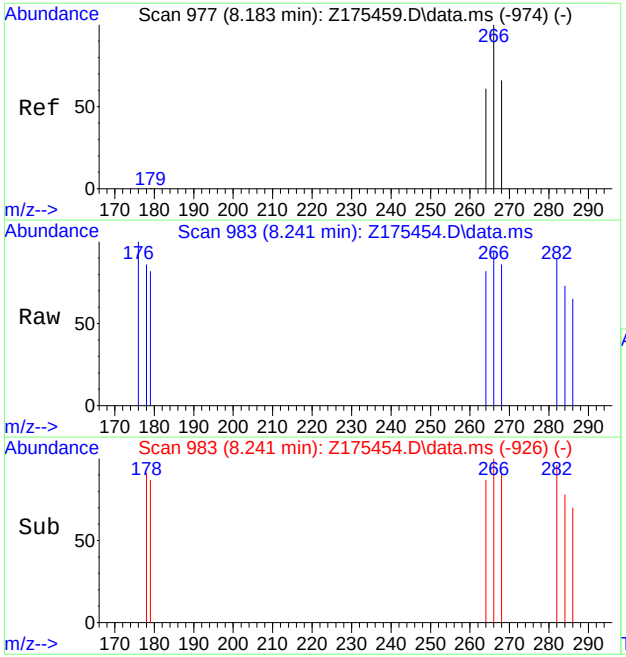
Tgt Ion:284 Resp: 33

Ion	Ratio	Lower	Upper
284	100		
286	69.6	48.9	108.9
282	52.2	22.1	82.1



9.6.16

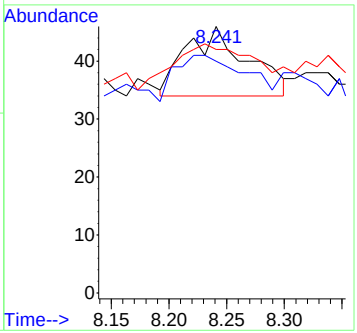
6

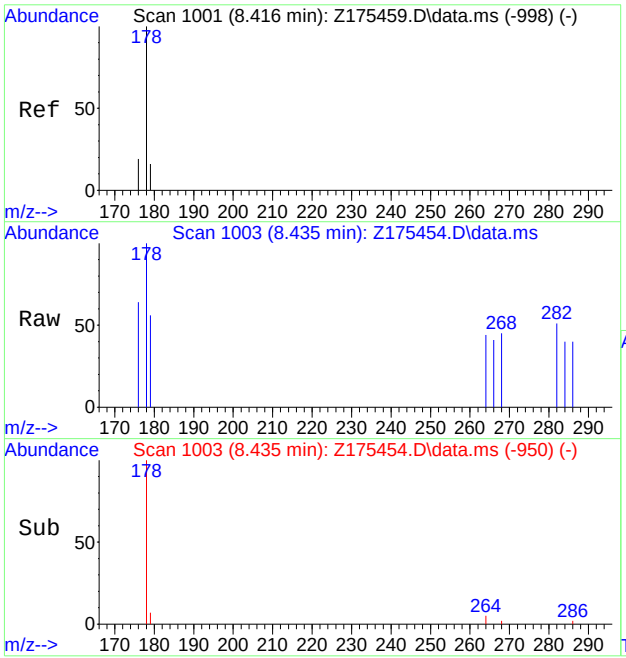


#21
Pentachlorophenol
Concen: 15.32 ppb m
RT: 8.241 min Scan# 983
Delta R.T. 0.058 min
Lab File: Z175454.D
Acq: 10 Sep 2025 12:38 pm

Tgt Ion:266 Resp: 44

Ion	Ratio	Lower	Upper
266	100		
264	87.0	30.8	90.8
268	91.3	36.3	96.3

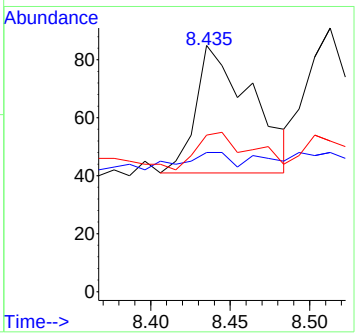


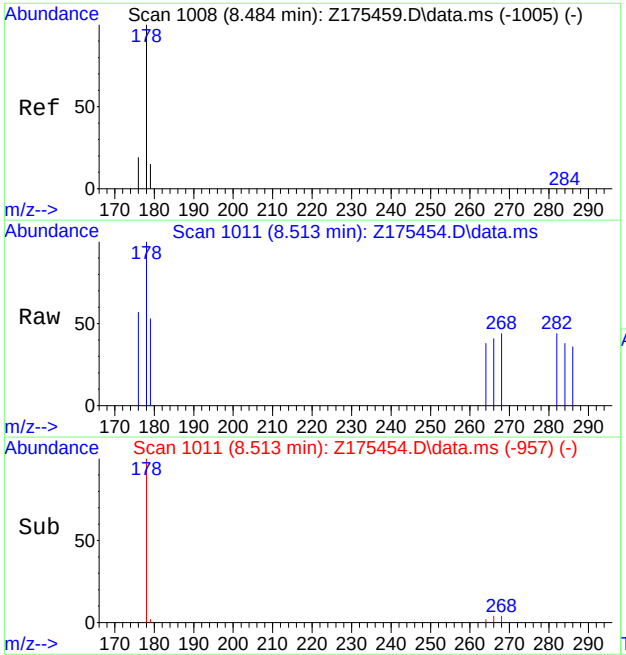


#22
Phenanthrene
Concen: 3.54 ppb
RT: 8.435 min Scan# 1003
Delta R.T. 0.019 min
Lab File: Z175454.D
Acq: 10 Sep 2025 12:38 pm

Tgt Ion:178 Resp: 108

Ion	Ratio	Lower	Upper
178	100		
179	8.2	0.0	45.6
176	27.4	0.0	48.6

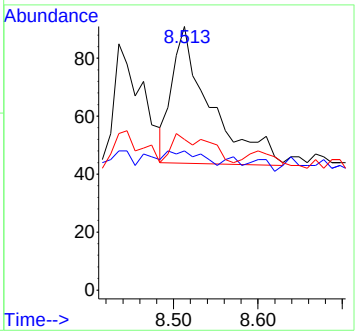


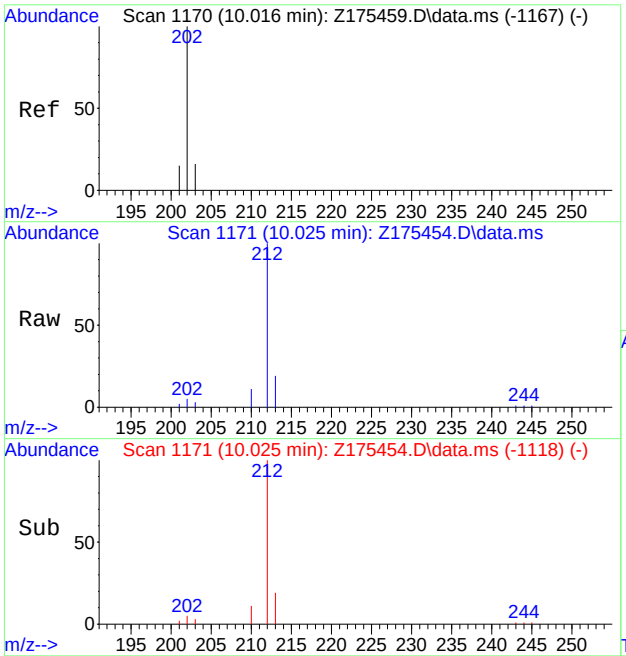


#23
Anthracene
Concen: 3.91 ppb m
RT: 8.513 min Scan# 1011
Delta R.T. 0.029 min
Lab File: Z175454.D
Acq: 10 Sep 2025 12:38 pm

Tgt Ion:178 Resp: 148

Ion	Ratio	Lower	Upper
178	100		
179	52.7	0.0	44.8#
176	57.1	0.0	48.7#

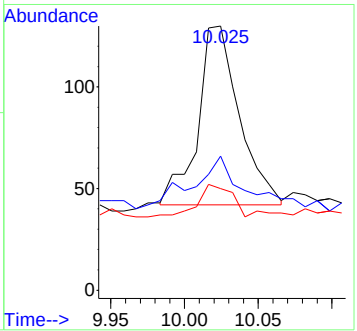


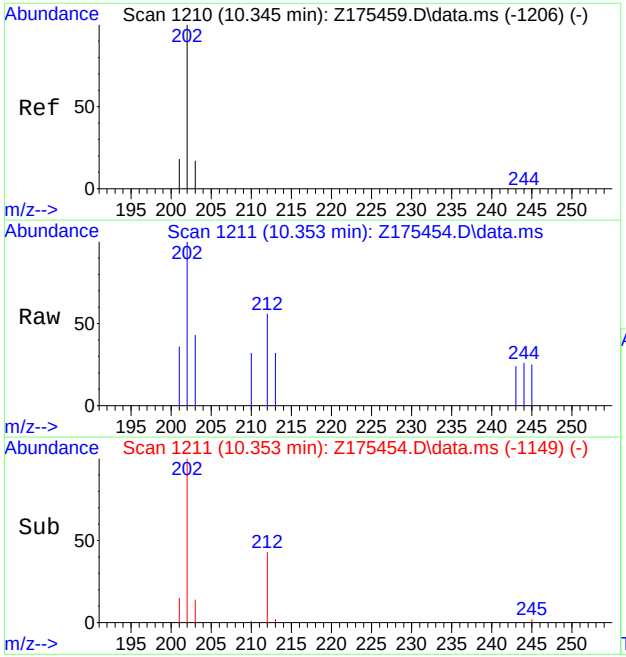


#24
Fluoranthene
Concen: 4.77 ppb m
RT: 10.025 min Scan# 1171
Delta R.T. 0.008 min
Lab File: Z175454.D
Acq: 10 Sep 2025 12:38 pm

Tgt Ion:202 Resp: 173

Ion	Ratio	Lower	Upper
202	100		
203	50.8	0.0	46.4#
201	38.5	0.0	45.1

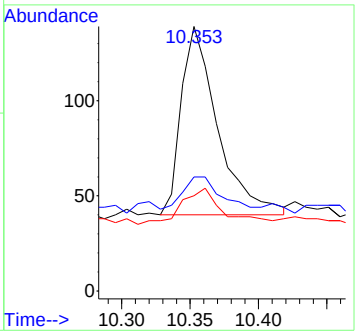


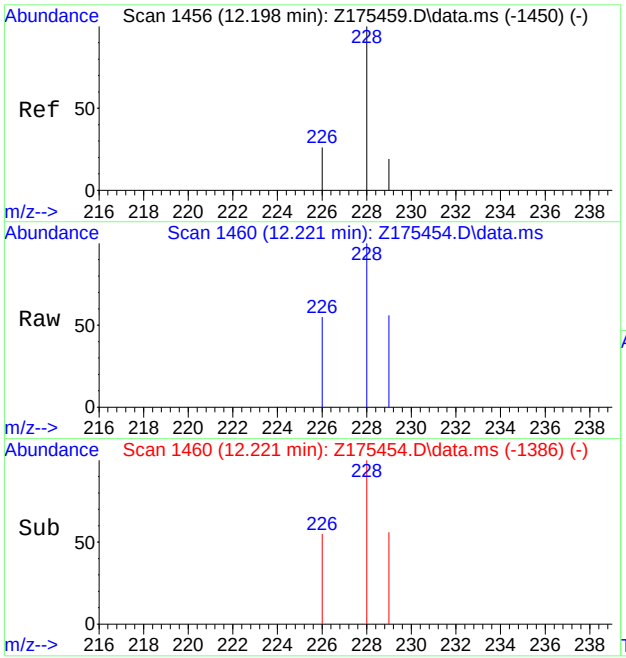


#25
Pyrene
Concen: 4.84 ppb
RT: 10.353 min Scan# 1211
Delta R.T. 0.008 min
Lab File: Z175454.D
Acq: 10 Sep 2025 12:38 pm

Tgt Ion:202 Resp: 185

Ion	Ratio	Lower	Upper
202	100		
203	17.0	0.0	47.4
201	12.9	0.0	47.8

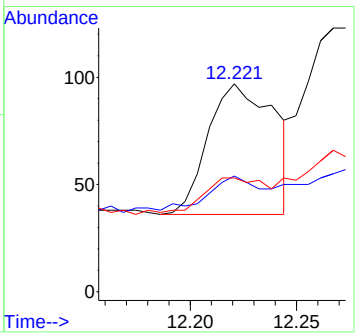




#27
Benzo[a]anthracene
Concen: 5.50 ppb
RT: 12.221 min Scan# 1460
Delta R.T. 0.023 min
Lab File: Z175454.D
Acq: 10 Sep 2025 12:38 pm

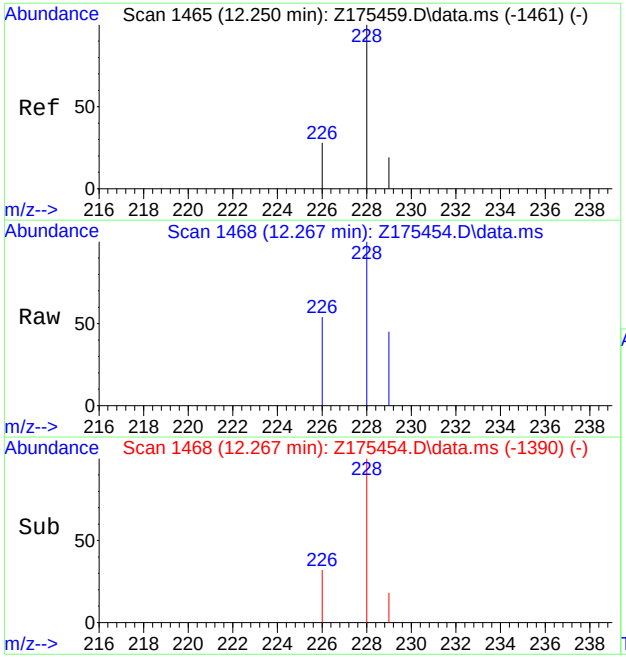
Tgt Ion:228 Resp: 133

Ion	Ratio	Lower	Upper
228	100		
229	25.6	0.0	49.3
226	20.5	0.0	55.6



9.6.16

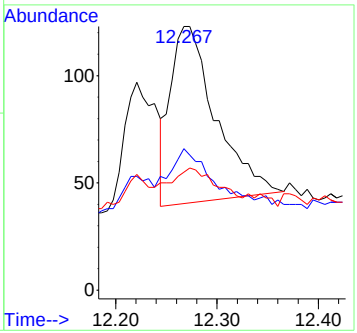
6

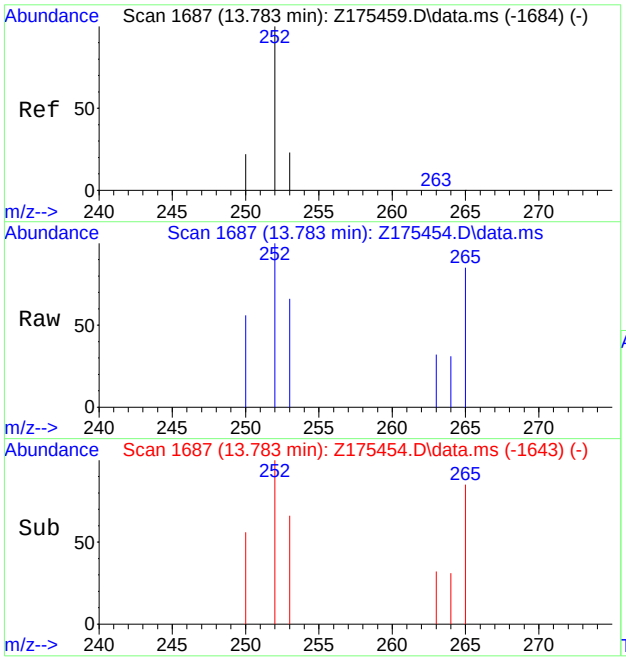


#28
Chrysene
Concen: 6.16 ppb
RT: 12.267 min Scan# 1468
Delta R.T. 0.017 min
Lab File: Z175454.D
Acq: 10 Sep 2025 12:38 pm

Tgt Ion:228 Resp: 256

Ion	Ratio	Lower	Upper
228	100		
226	32.5	0.0	58.4
229	12.5	0.0	49.1

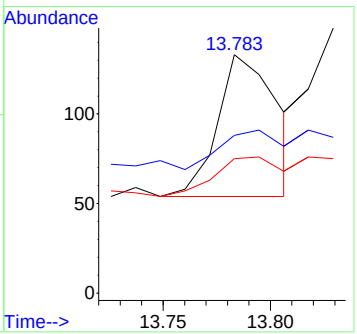


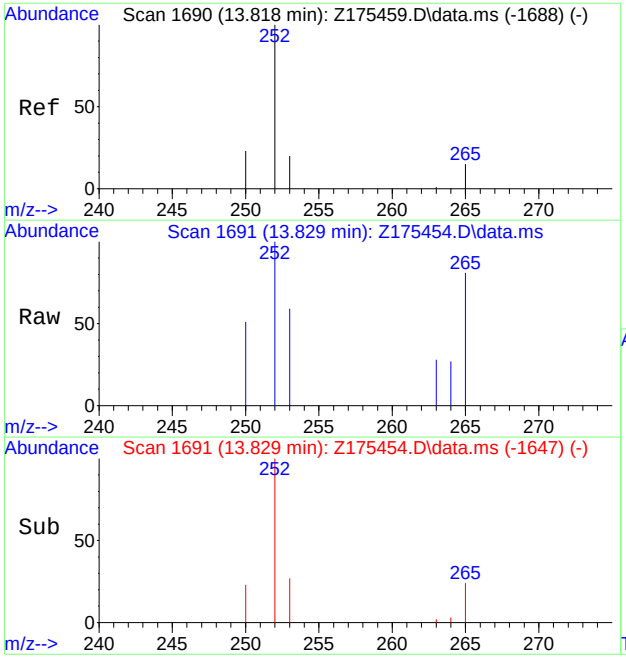


#30
Benzo[b]fluoranthene
Concen: 6.40 ppb
RT: 13.783 min Scan# 1687
Delta R.T. 0.000 min
Lab File: Z175454.D
Acq: 10 Sep 2025 12:38 pm

Tgt Ion:252 Resp: 153

Ion	Ratio	Lower	Upper
252	100		
253	18.0	0.0	52.6
250	25.2	0.0	51.9

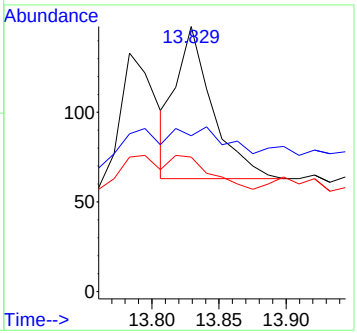


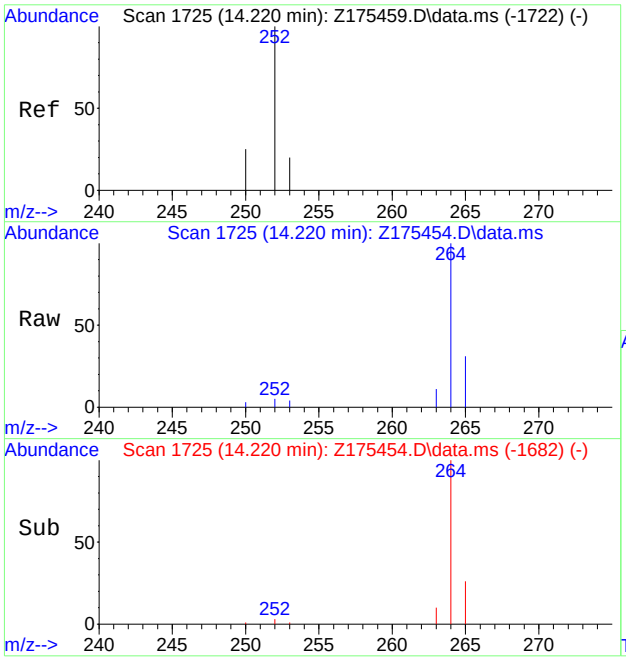


#31
Benzo[k]fluoranthene
Concen: 4.24 ppb
RT: 13.829 min Scan# 1691
Delta R.T. 0.012 min
Lab File: Z175454.D
Acq: 10 Sep 2025 12:38 pm

Tgt Ion:252 Resp: 160

Ion	Ratio	Lower	Upper
252	100		
253	8.3	0.0	51.0
250	13.6	0.0	53.1

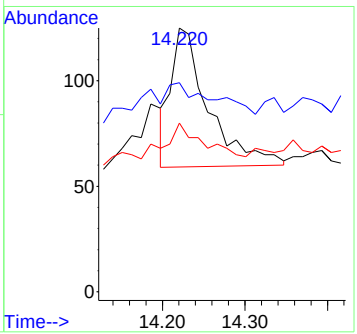


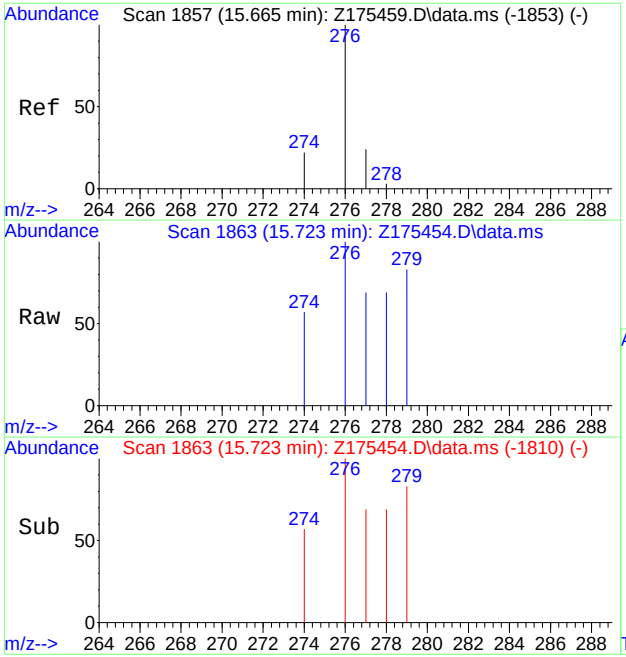


#32
Benzo[a]pyrene
Concen: 7.14 ppb
RT: 14.220 min Scan# 1725
Delta R.T. 0.000 min
Lab File: Z175454.D
Acq: 10 Sep 2025 12:38 pm

Tgt Ion:252 Resp: 206

Ion	Ratio	Lower	Upper
252	100		
253	23.8	0.0	50.2
250	24.8	0.0	54.3

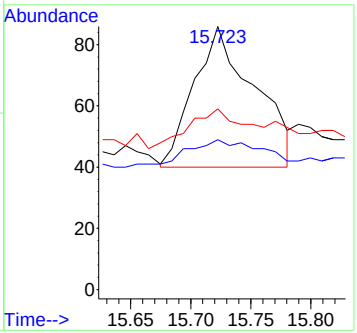


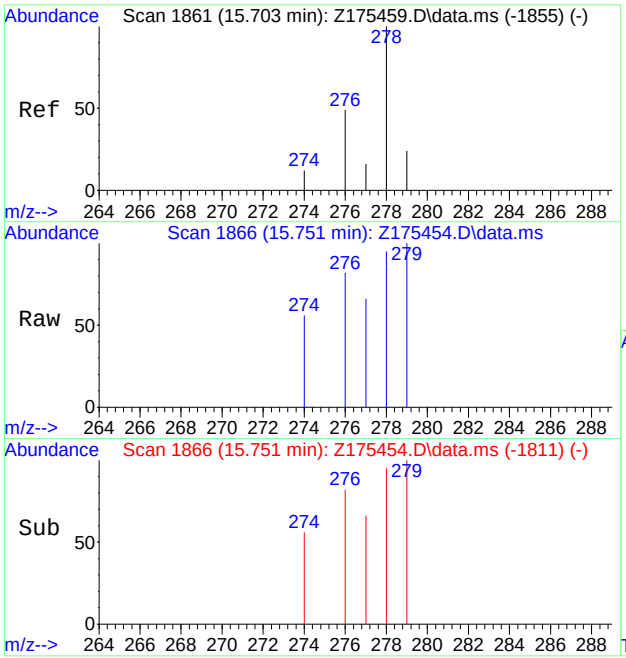


#33
Indeno[1,2,3-cd]pyrene
Concen: 4.93 ppb m
RT: 15.723 min Scan# 1863
Delta R.T. 0.058 min
Lab File: Z175454.D
Acq: 10 Sep 2025 12:38 pm

Tgt Ion:276 Resp: 161

Ion	Ratio	Lower	Upper
276	100		
274	57.0	0.0	51.7#
277	68.6	0.0	53.6#

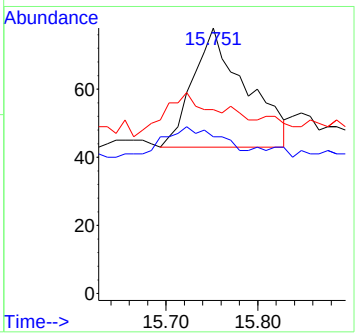


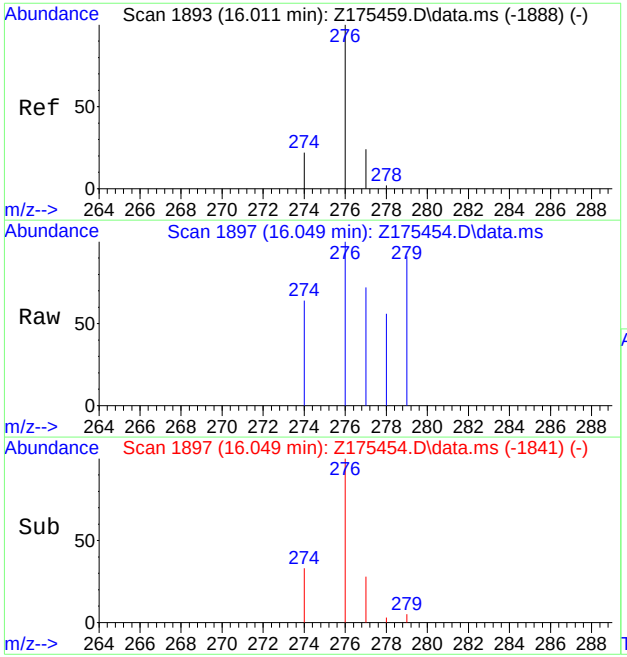


#34
Dibenz[a,h]anthracene
Concen: 5.22 ppb
RT: 15.751 min Scan# 1866
Delta R.T. 0.048 min
Lab File: Z175454.D
Acq: 10 Sep 2025 12:38 pm

Tgt Ion:278 Resp: 141

Ion	Ratio	Lower	Upper
278	100		
274	4.8	0.0	44.0
277	11.3	0.0	46.5

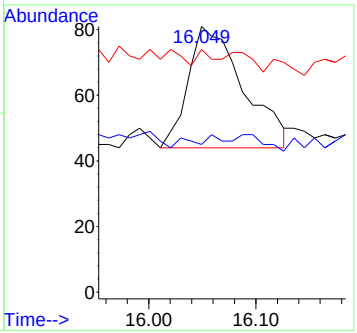




#35
Benzo[g,h,i]perylene
Concen: 4.67 ppb
RT: 16.049 min Scan# 1897
Delta R.T. 0.038 min
Lab File: Z175454.D
Acq: 10 Sep 2025 12:38 pm

Tgt Ion:276 Resp: 133

Ion	Ratio	Lower	Upper
276	100		
278	1.5	0.0	32.8
279	10.3	0.0	30.0



9.6.16

6

Manual Integration Approval Summary

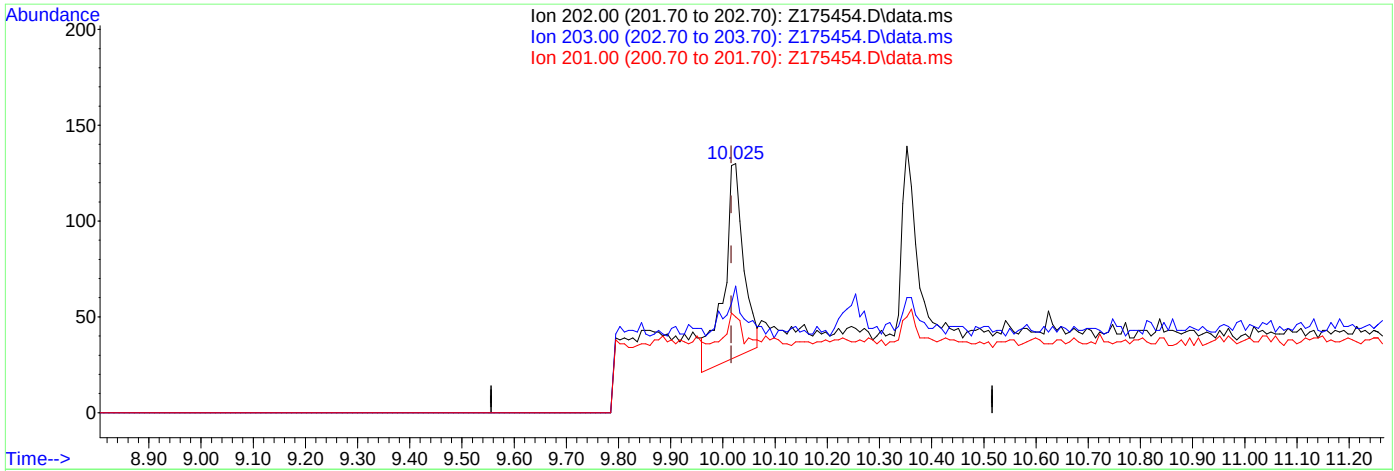
Sample Number: EZ8654-IC8654
Lab FileID: Z175454.D
Injection Time: 09/10/25 12:38
Method: SW846 8270E BY SIM
Analyst approved: 09/11/25 12:07 Ying Li
Supervisor approved: 09/15/25 15:51 Nina Pandya

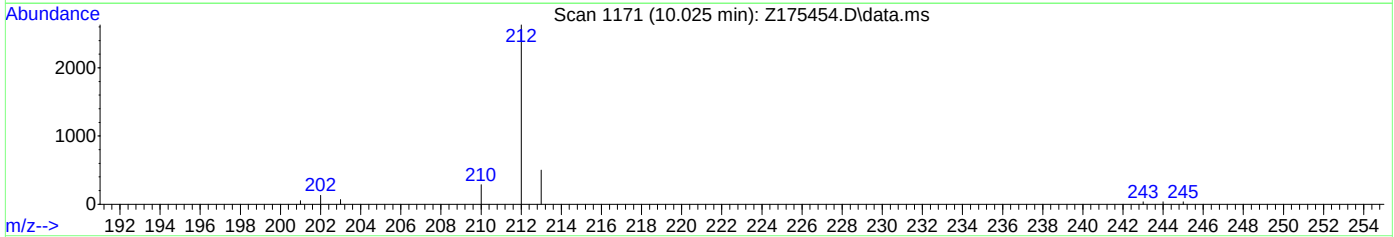
Parameter	CAS	Sig#	R.T. (min.)	Reason
Pentachlorophenol	87-86-5		8.24	Poor instrument integration
Anthracene	120-12-7		8.51	Poor instrument integration
Fluoranthene	206-44-0		10.02	Poor instrument integration
Indeno(1,2,3-cd)pyrene	193-39-5		15.72	Poor instrument integration

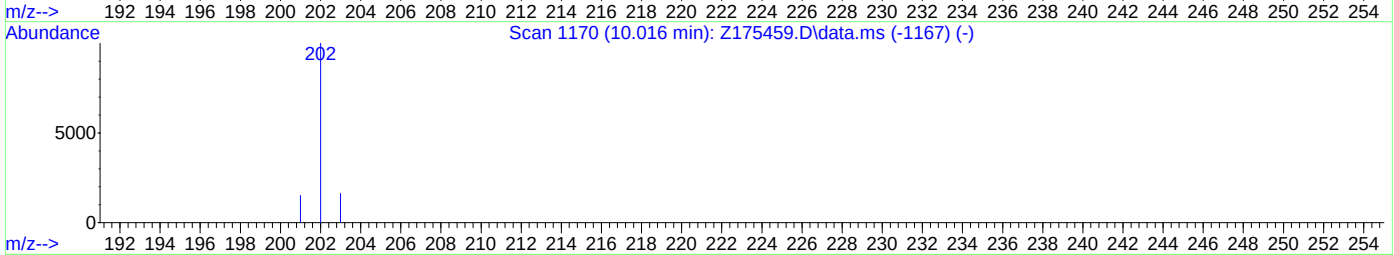
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175454.D
Acq On : 10 Sep 2025 12:38 pm
Operator : rocquans
Sample : ic8654-0.004
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 10 16:44:11 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration







TIC: Z175454.D\data.ms

(24) Fluoranthene (t)

10.025min (+0.008) 7.33ppb

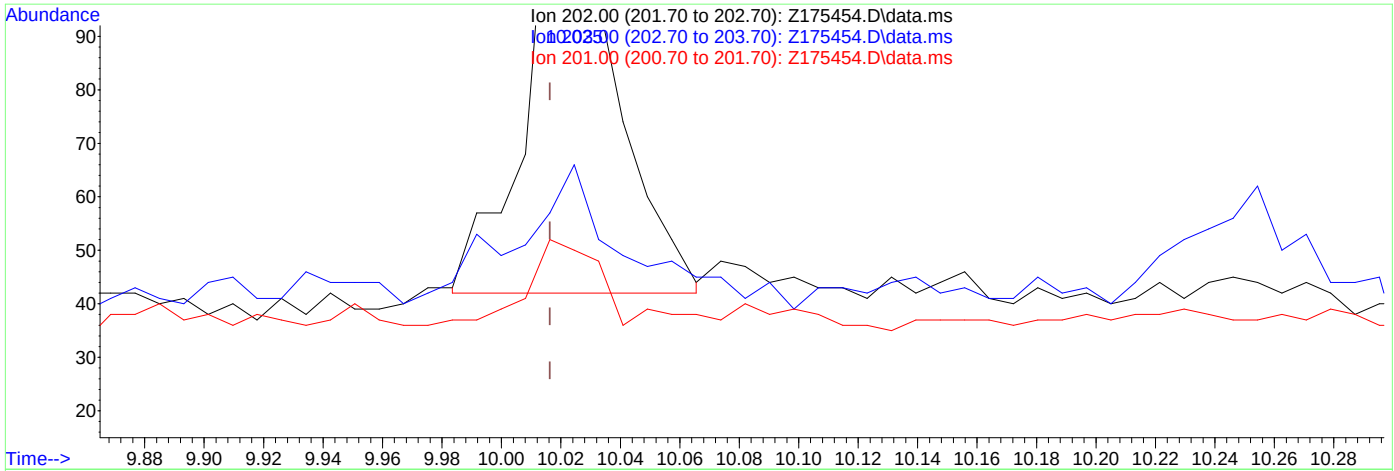
response 266

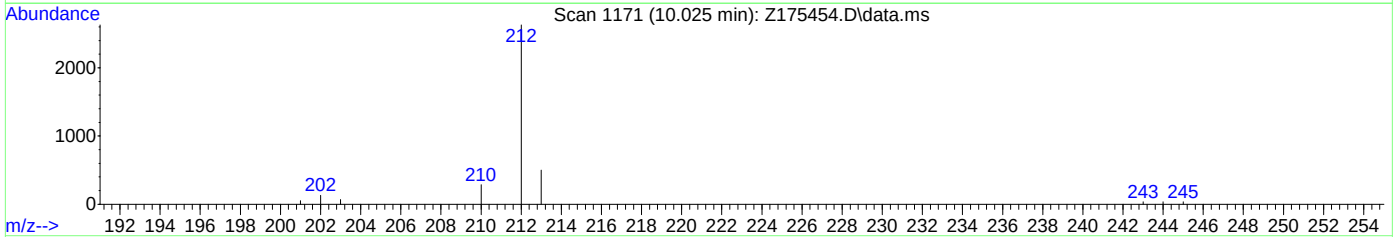
Ion	Exp%	Act%
202.00	100	100
203.00	16.40	24.29
201.00	15.10	14.12
0.00	0.00	0.00

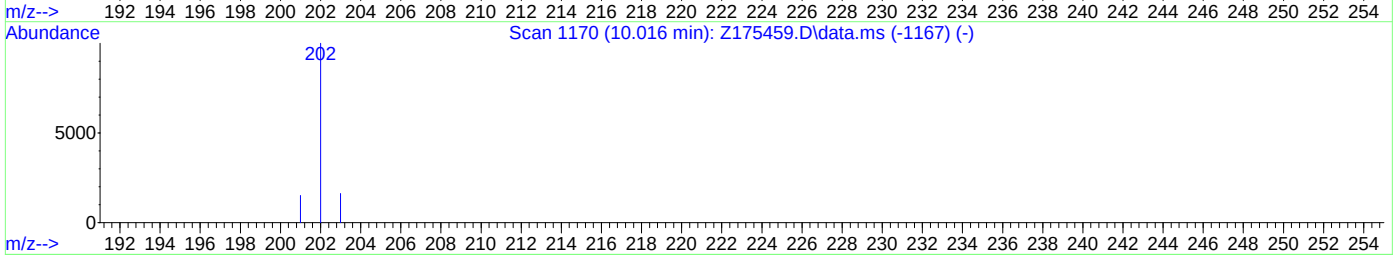
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175454.D
Acq On : 10 Sep 2025 12:38 pm
Operator : rocquans
Sample : ic8654-0.004
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 10 16:44:11 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration







TIC: Z175454.D\data.ms

(24) Fluoranthene (t)

10.025min (+0.008) 4.77ppb m

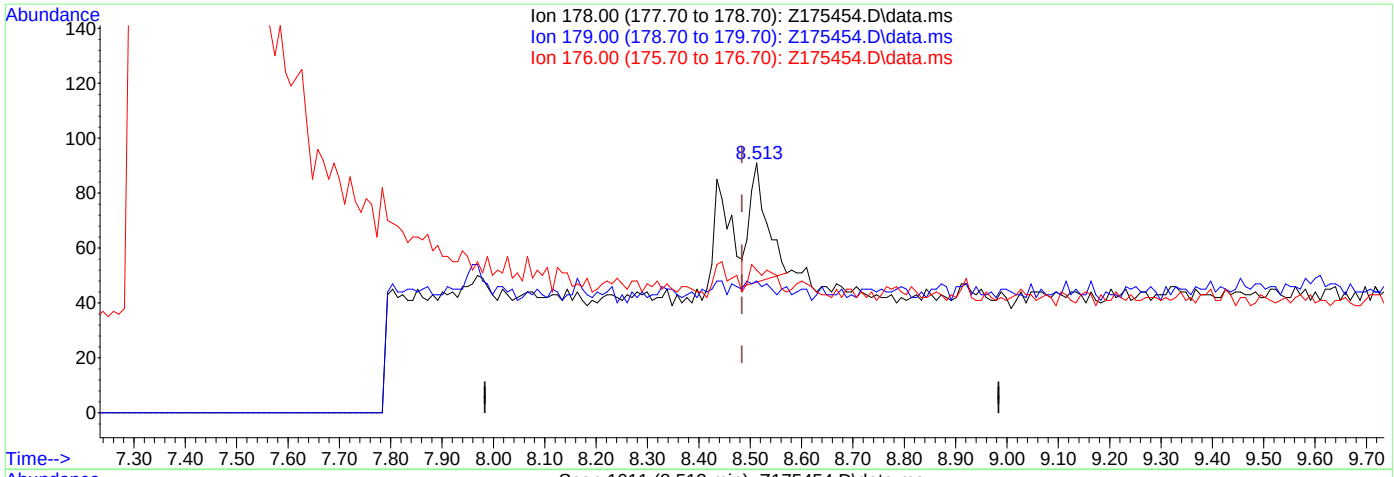
response 173

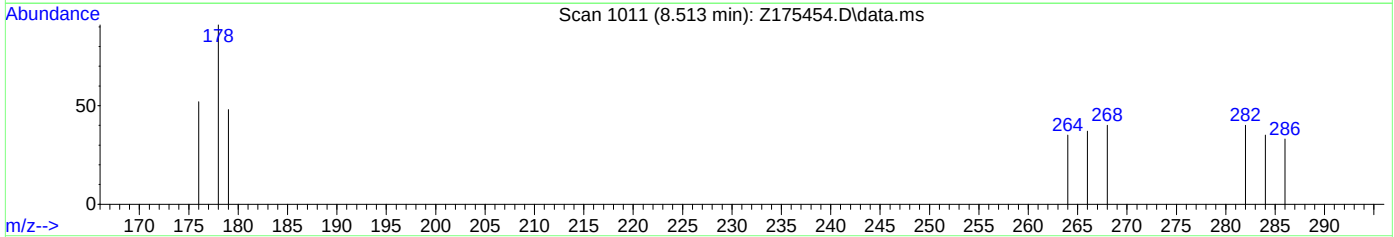
Ion	Exp%	Act%
202.00	100	100
203.00	16.40	50.77#
201.00	15.10	38.46
0.00	0.00	0.00

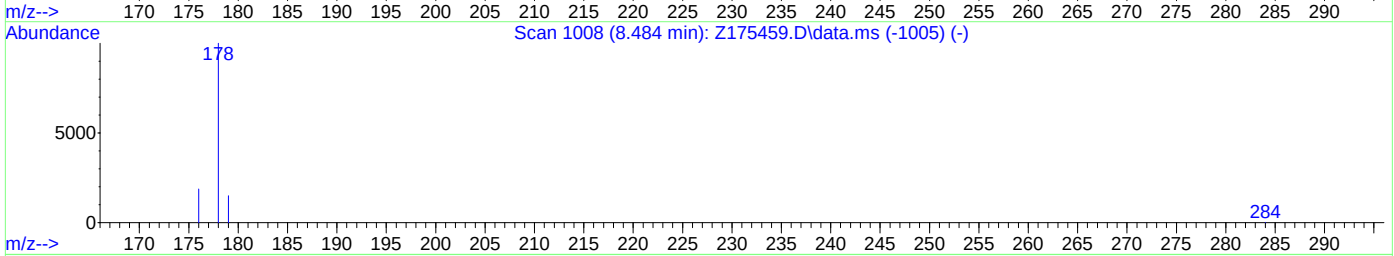
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175454.D
Acq On : 10 Sep 2025 12:38 pm
Operator : rocquans
Sample : ic8654-0.004
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 10 16:44:11 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration







TIC: Z175454.D\data.ms

(23) Anthracene (t)

8.513min (+0.029) 2.67ppb

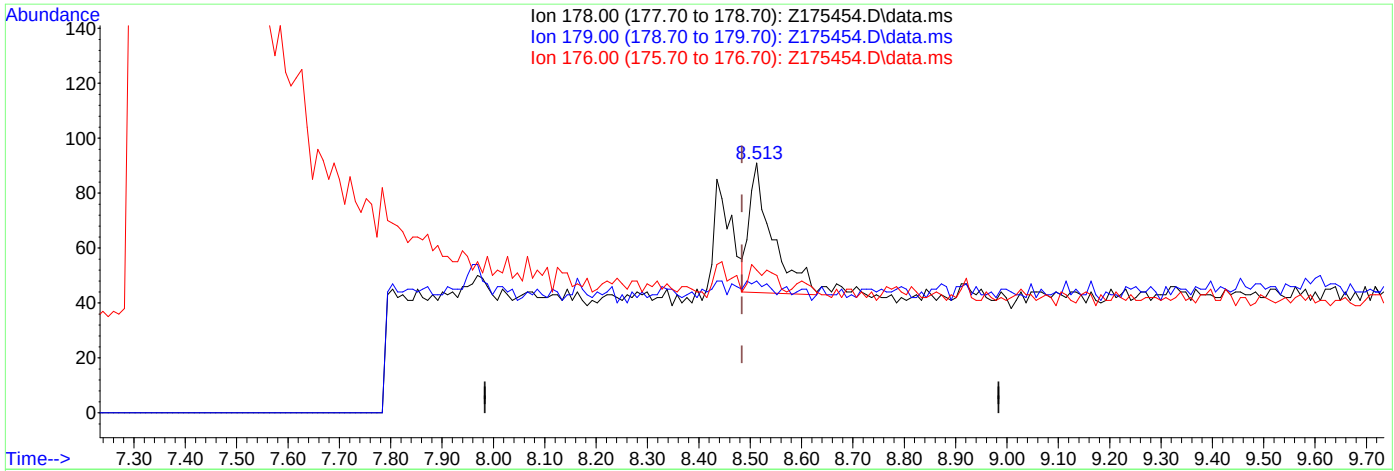
response 101

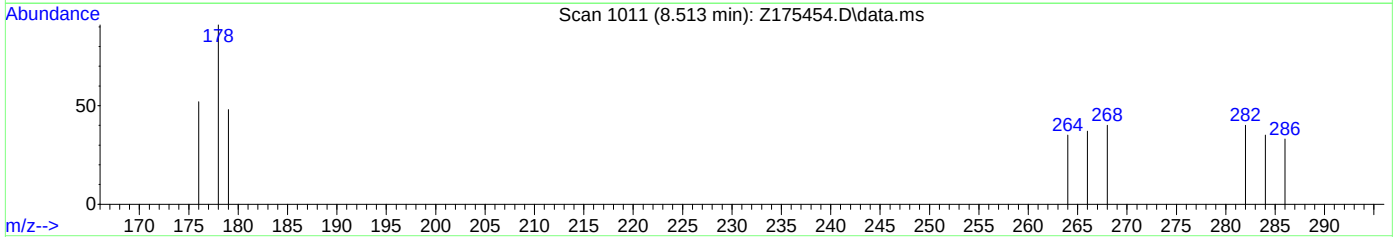
Ion	Exp%	Act%
178.00	100	100
179.00	14.80	6.67
176.00	18.70	21.33
0.00	0.00	0.00

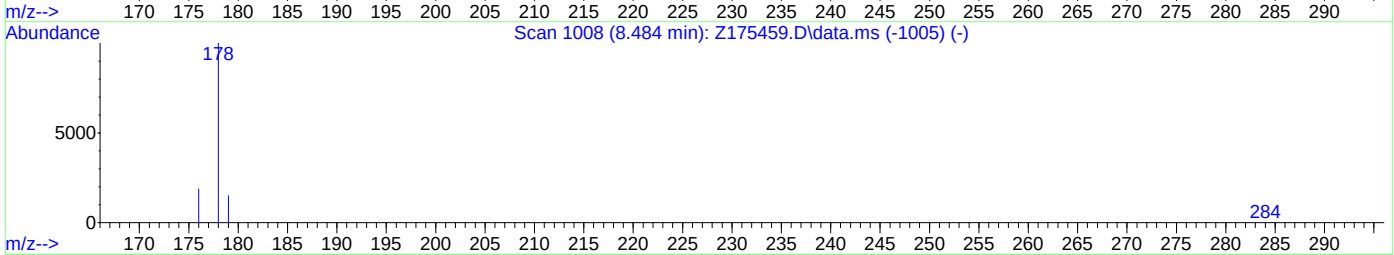
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175454.D
Acq On : 10 Sep 2025 12:38 pm
Operator : rocquans
Sample : ic8654-0.004
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 10 16:44:11 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration







TIC: Z175454.D\data.ms

(23) Anthracene (t)

8.513min (+0.029) 3.91ppb m

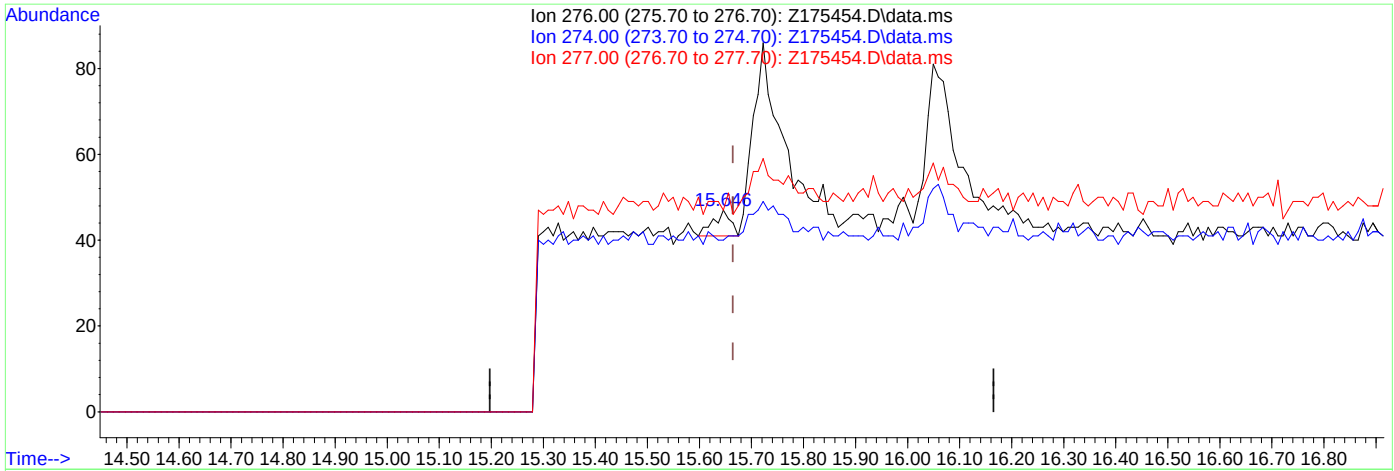
response 148

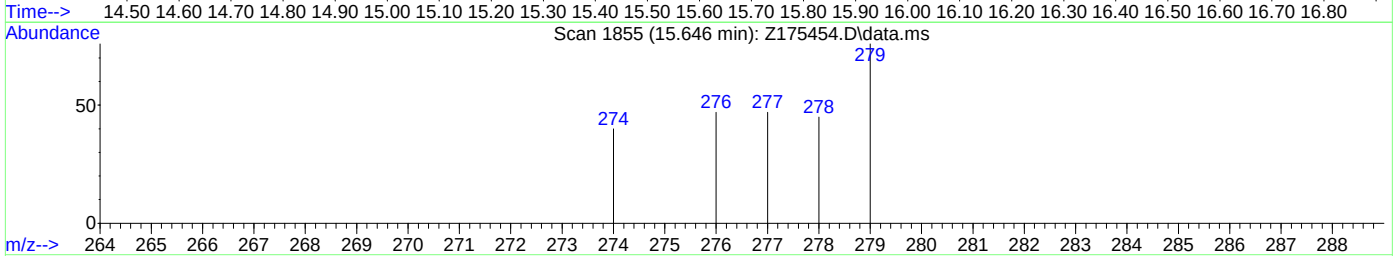
Ion	Exp%	Act%
178.00	100	100
179.00	14.80	52.75#
176.00	18.70	57.14#
0.00	0.00	0.00

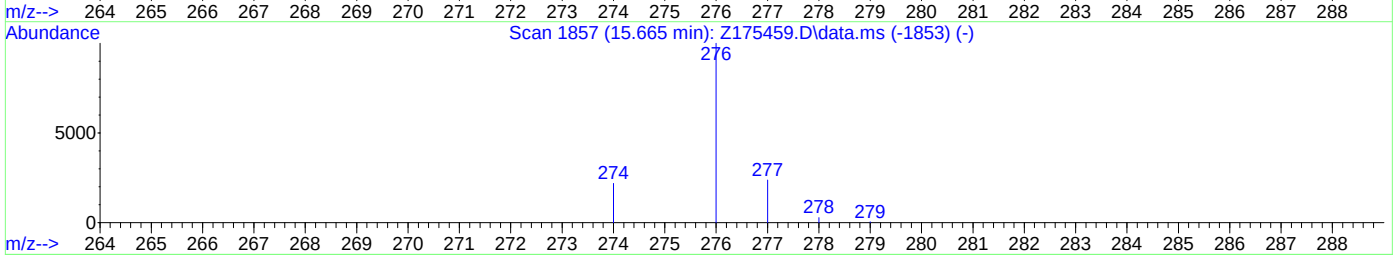
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175454.D
Acq On : 10 Sep 2025 12:38 pm
Operator : rocquans
Sample : ic8654-0.004
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 10 16:44:11 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration







TIC: Z175454.D\data.ms

(33) Indeno[1,2,3-cd]pyrene (t)

15.646min (-0.019) 0.43ppb

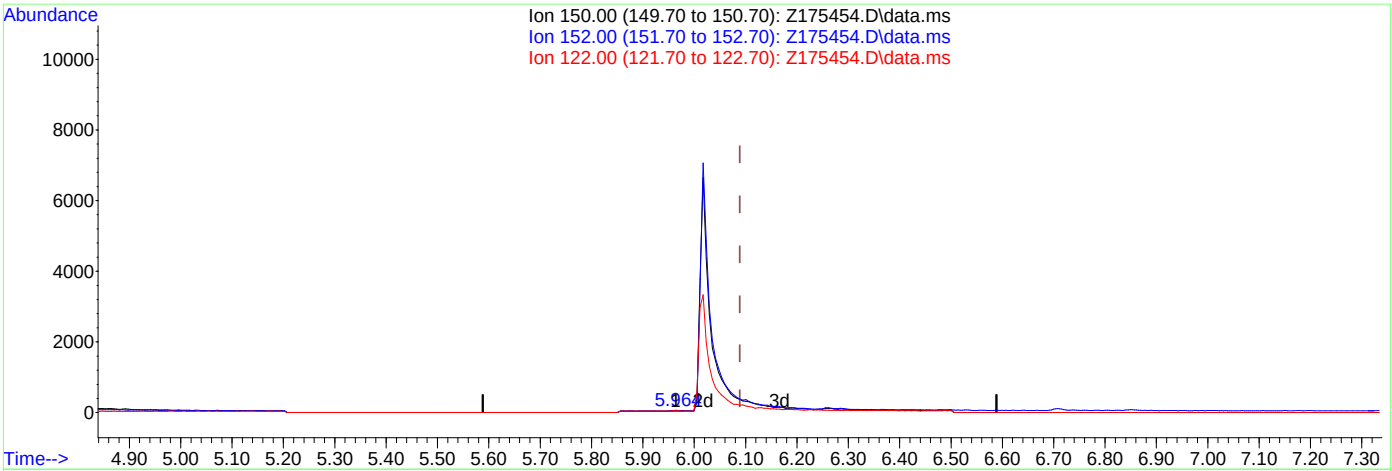
response 14

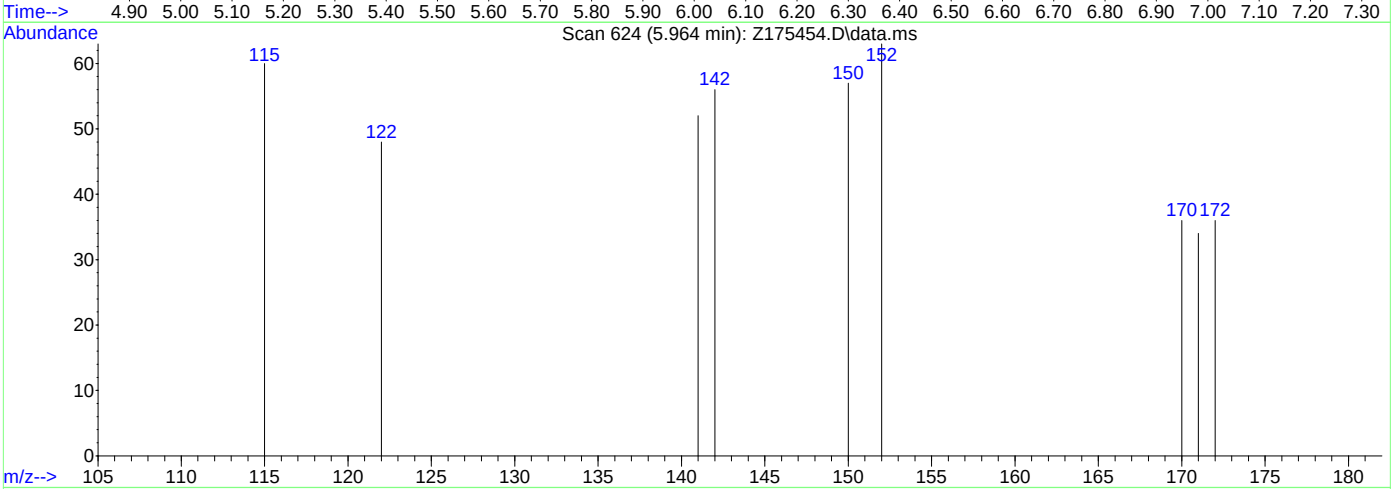
Ion	Exp%	Act%
276.00	100	100
274.00	21.70	0.00
277.00	23.60	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175454.D
Acq On : 10 Sep 2025 12:38 pm
Operator : rocquans
Sample : ic8654-0.004
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 10 18:01:29 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175454.D\data.ms

(36) 1-Methylnaphthalene-d10a

5.964min (-0.125) 800.00ppb

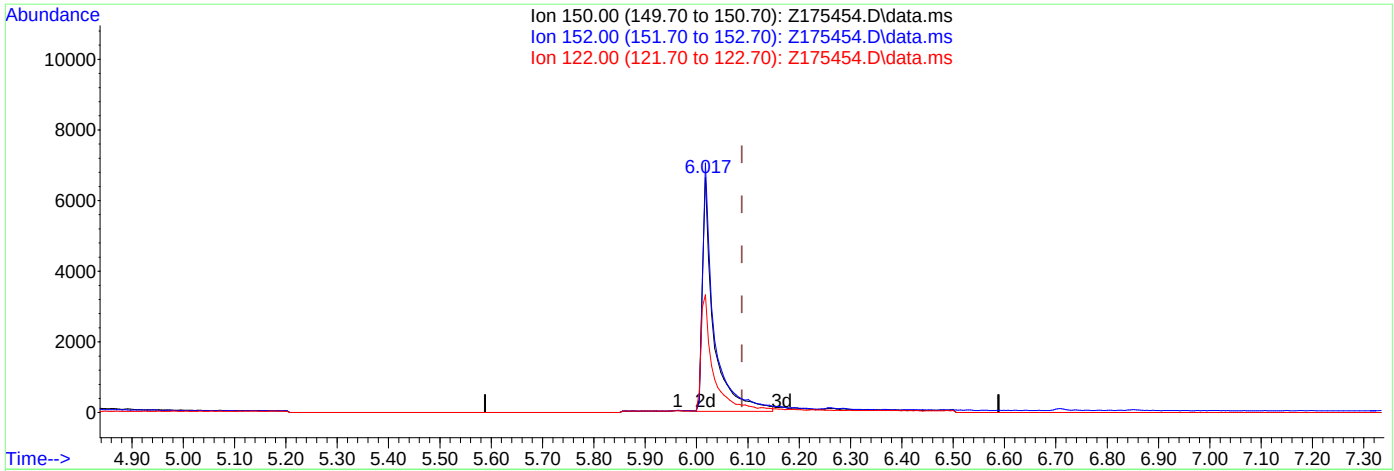
response 35

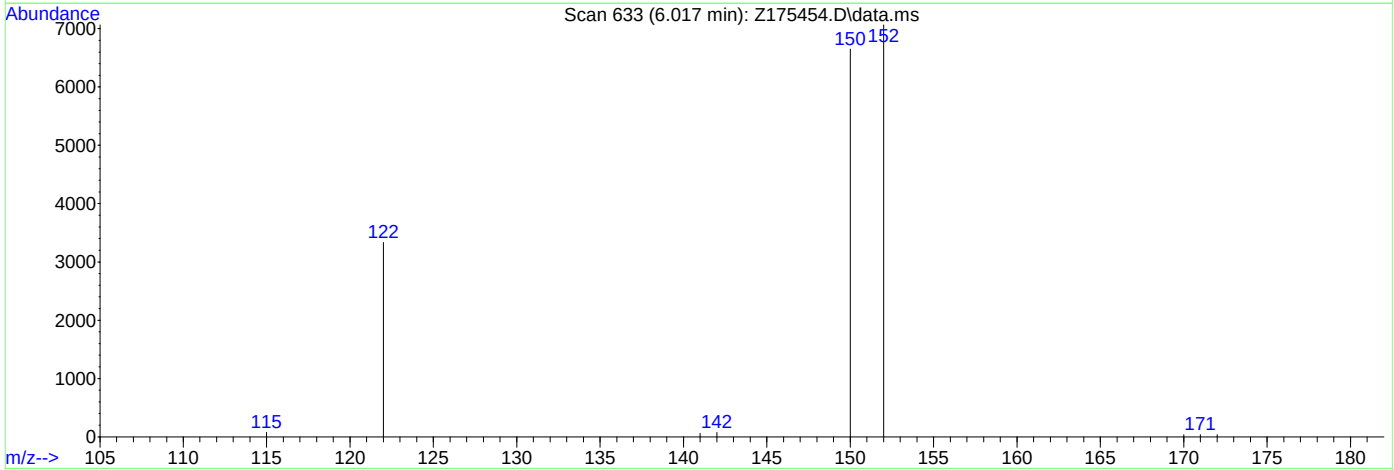
Ion	Exp%	Act%
150.00	100	100
152.00	80.50	87.10
122.00	40.20	29.03
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175454.D
Acq On : 10 Sep 2025 12:38 pm
Operator : rocquans
Sample : ic8654-0.004
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 10 18:01:29 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175454.D\data.ms

(36) 1-Methylnaphthalene-d10a

6.017min (-0.071) 800.00ppb m

response 10100

Ion	Exp%	Act%
150.00	100	100
152.00	80.50	106.22#
122.00	40.20	50.13
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
09/15/25 15:51

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175455.D
Acq On : 10 Sep 2025 1:05 pm
Operator : rocquans
Sample : ic8654-0.01
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 16:43:55 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	6.017	150	10204	800.00	ppb	0.00
12) Fluorene-d10	7.313	176	13993	800.00	ppb	0.01
19) Fluoranthene-d10	10.000	212	25030	800.00	ppb	0.00
29) Benzo(a)pyrene-d12	14.197	264	17238	800.00	ppb	0.00
36) 1-Methylnaphthalene-d10a	6.017	150	10204	800.00	ppb	#-0.07
System Monitoring Compounds						
3) 2-Fluorophenol	3.656	112	1275	164.46	ppb	0.03
Spiked Amount 10000.000			Recovery =	1.64%		
4) Phenol-d5	4.372	99	1220m	143.89	ppb	0.05
Spiked Amount 10000.000			Recovery =	1.44%		
6) Nitrobenzene-d5	4.984	82	1461m	155.18	ppb	0.04
Spiked Amount 10000.000			Recovery =	1.55%		
13) 2-Fluorobiphenyl	6.261	172	3990	192.63	ppb	0.02
Spiked Amount 10000.000			Recovery =	1.93%		
18) 2,4,6-Tribromophenol	7.616	330	564m	152.59	ppb	0.03
Spiked Amount 10000.000			Recovery =	1.53%		
26) Terphenyl-d14	10.632	244	4187	187.88	ppb	0.02
Spiked Amount 10000.000			Recovery =	1.88%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.241	88	35m	8.47	ppb	
5) Phenol	4.372	94	304m	35.37	ppb	
7) Naphthalene	5.490	128	310m	10.63	ppb	
8) Hexachlorobutadiene	5.550	225	74	9.56	ppb	82
9) 2-Methylnaphthalene	5.981	141	159m	8.79	ppb	
10) 1-Methylnaphthalene	6.041	141	176	9.51	ppb	86
14) Acenaphthylene	6.704	152	206	6.88	ppb	100
15) Acenaphthene	6.853	153	171	8.12	ppb	96
16) Fluorene	7.344	166	124m	5.11	ppb	
20) Hexachlorobenzene	7.940	284	71	7.87	ppb	95
21) Pentachlorophenol	8.221	266	67	22.45	ppb	81
22) Phenanthrene	8.445	178	240	7.58	ppb	98
23) Anthracene	8.513	178	369m	9.39	ppb	
24) Fluoranthene	10.024	202	418	11.09	ppb	99
25) Pyrene	10.353	202	408	10.28	ppb	97
27) Benzo[a]anthracene	12.221	228	273	10.85	ppb	98
28) Chrysene	12.267	228	525m	12.15	ppb	
30) Benzo[b]fluoranthene	13.783	252	291	12.19	ppb	92
31) Benzo[k]fluoranthene	13.829	252	369	9.80	ppb	96
32) Benzo[a]pyrene	14.220	252	400	13.89	ppb	98
33) Indeno[1,2,3-cd]pyrene	15.703	276	366	11.23	ppb	85
34) Dibenz[a,h]anthracene	15.742	278	274m	10.15	ppb	
35) Benzo[g,h,i]perylene	16.049	276	323m	11.37	ppb	

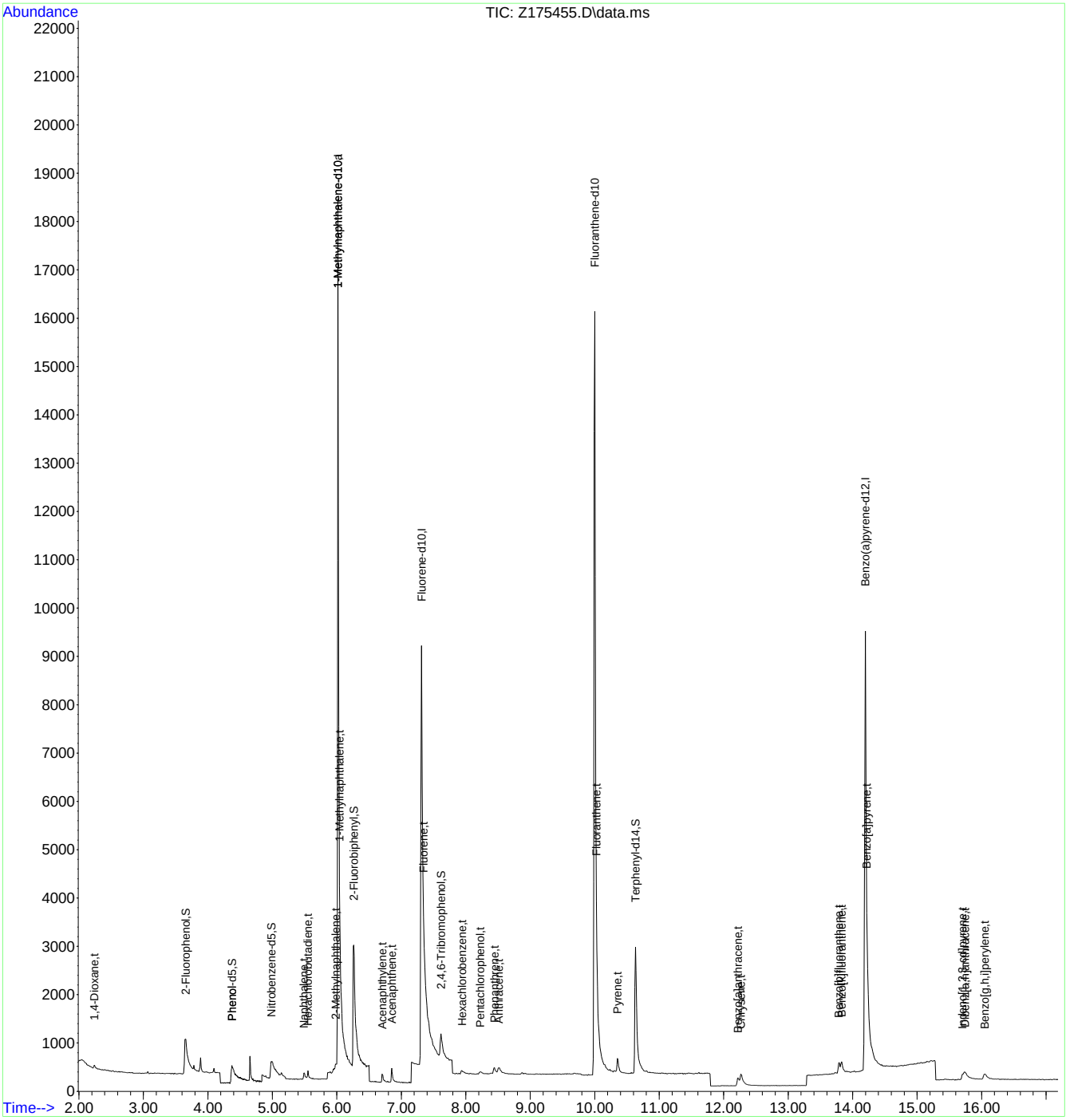
(#) = qualifier out of range (m) = manual integration (+) = signals summed

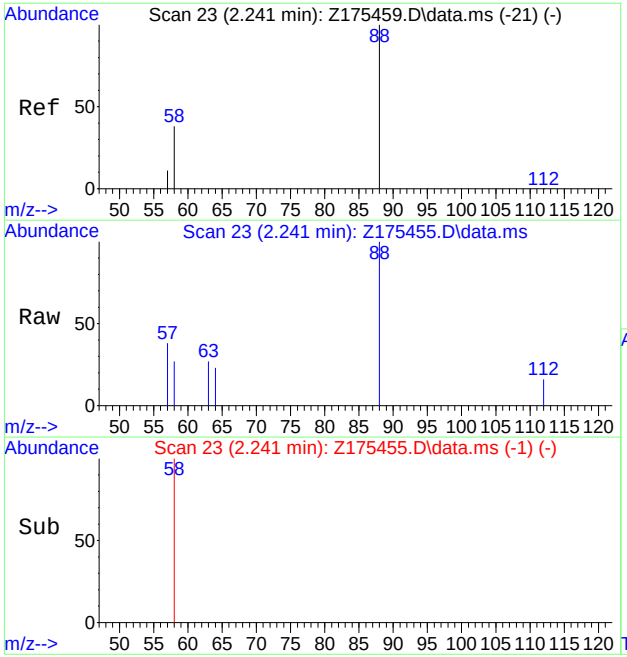
9.6.17
6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175455.D
Acq On : 10 Sep 2025 1:05 pm
Operator : rocquans
Sample : ic8654-0.01
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 16:43:55 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration

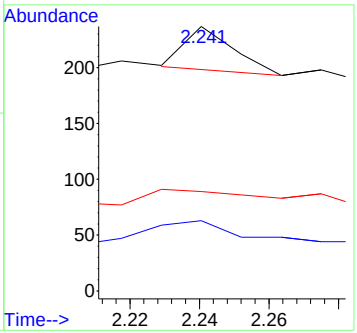


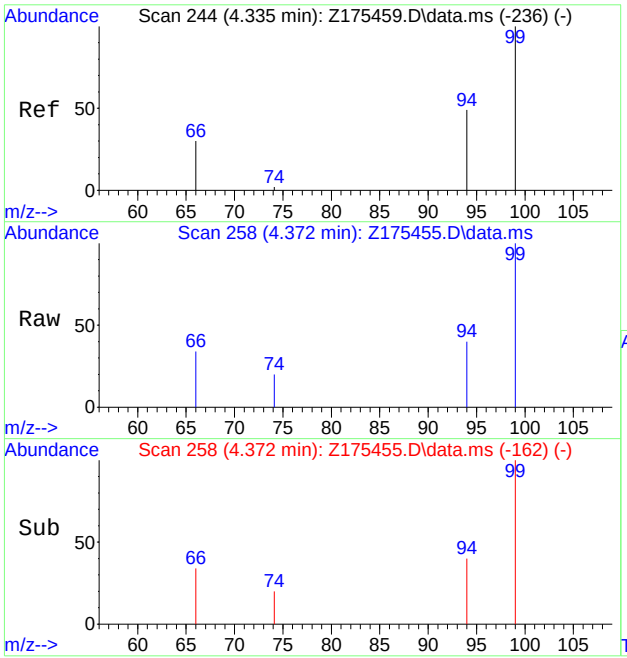


#2
1,4-Dioxane
Concen: 8.47 ppb m
RT: 2.241 min Scan# 23
Delta R.T. 0.000 min
Lab File: Z175455.D
Acq: 10 Sep 2025 1:05 pm

Tgt Ion: 88 Resp: 35

Ion	Ratio	Lower	Upper
88	100		
58	26.6	15.6	55.6
57	37.6	0.0	40.0

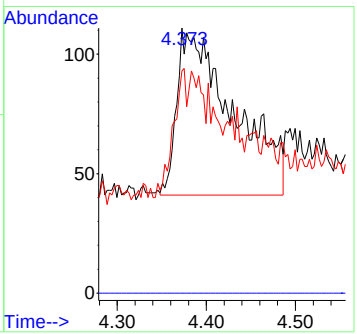


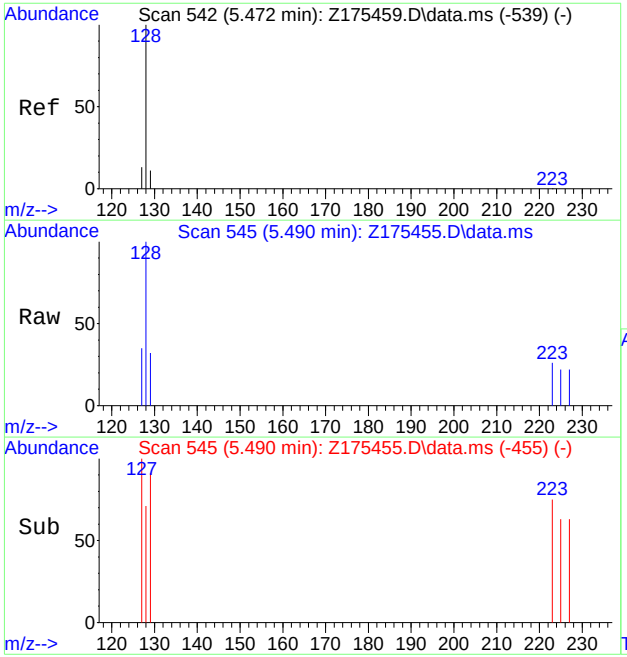


#5
Phenol
Concen: 35.37 ppb m
RT: 4.372 min Scan# 258
Delta R.T. 0.038 min
Lab File: Z175455.D
Acq: 10 Sep 2025 1:05 pm

Tgt Ion: 94 Resp: 304

Ion	Ratio	Lower	Upper
94	100		
65	0.0	0.0	0.0
66	83.8	49.8	74.8#

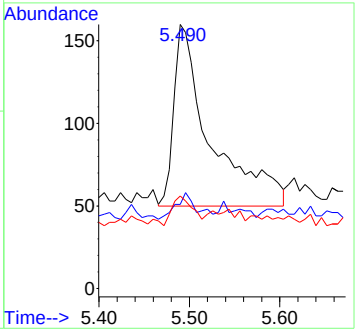


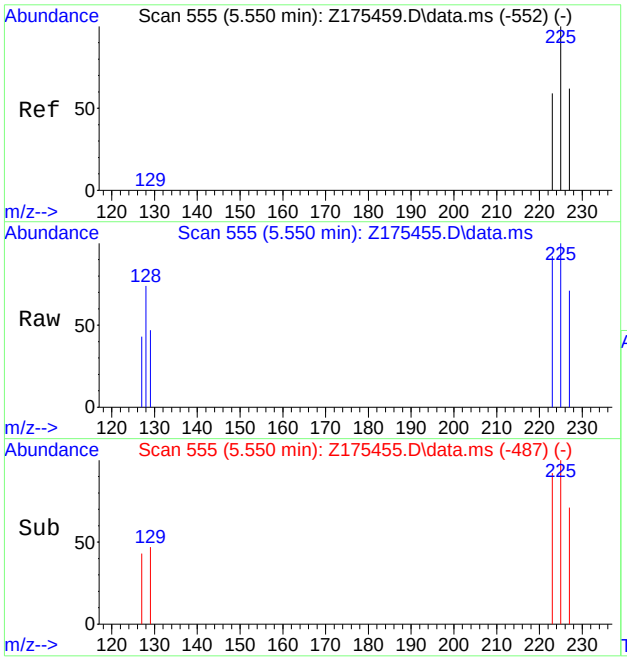


#7
Naphthalene
Concen: 10.63 ppb m
RT: 5.490 min Scan# 545
Delta R.T. 0.018 min
Lab File: Z175455.D
Acq: 10 Sep 2025 1:05 pm

Tgt Ion:128 Resp: 310

Ion	Ratio	Lower	Upper
128	100		
129	31.9	0.0	40.6
127	35.0	0.0	43.3

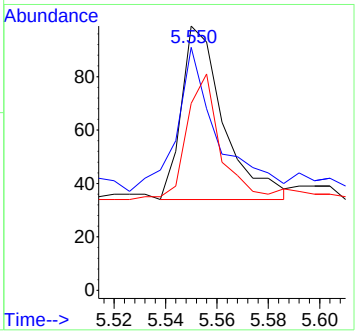


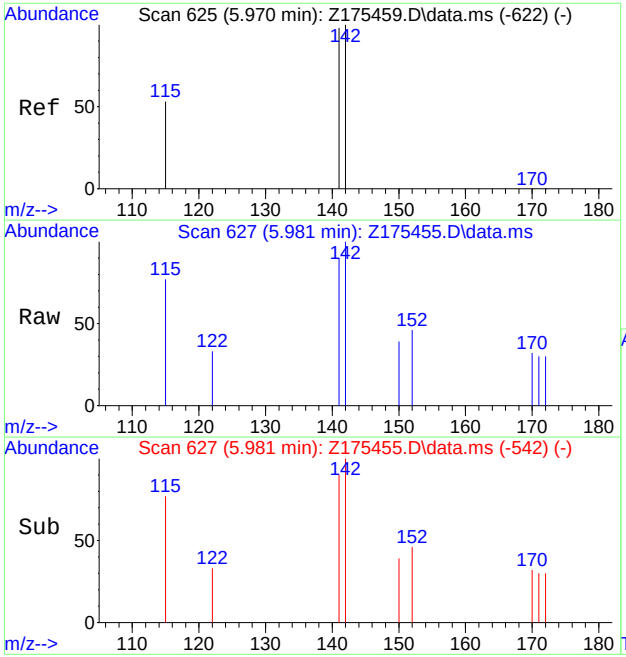


#8
Hexachlorobutadiene
Concen: 9.56 ppb
RT: 5.550 min Scan# 555
Delta R.T. 0.000 min
Lab File: Z175455.D
Acq: 10 Sep 2025 1:05 pm

Tgt Ion:225 Resp: 74

Ion	Ratio	Lower	Upper
225	100		
223	77.0	29.0	89.0
227	53.2	32.1	92.1

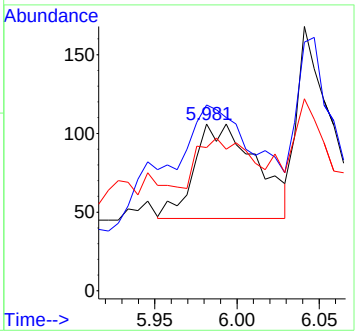


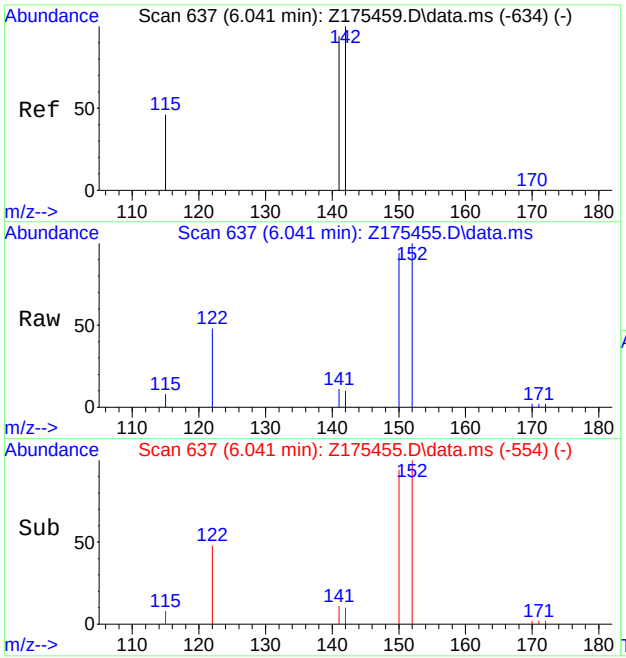


#9
2-Methylnaphthalene
Concen: 8.79 ppb m
RT: 5.981 min Scan# 627
Delta R.T. 0.012 min
Lab File: Z175455.D
Acq: 10 Sep 2025 1:05 pm

Tgt Ion:141 Resp: 159

Ion	Ratio	Lower	Upper
141	100		
142	111.3	77.1	137.1
115	85.8	24.3	84.3#

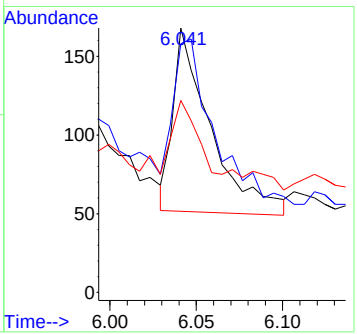


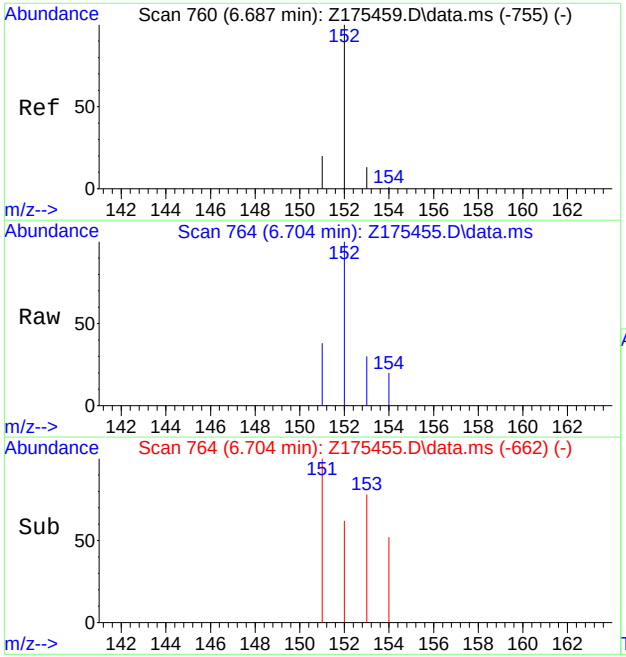


#10
1-Methylnaphthalene
Concen: 9.51 ppb
RT: 6.041 min Scan# 637
Delta R.T. 0.000 min
Lab File: Z175455.D
Acq: 10 Sep 2025 1:05 pm

Tgt Ion:141 Resp: 176

Ion	Ratio	Lower	Upper
141	100		
142	86.1	77.6	137.6
115	49.8	19.1	79.1

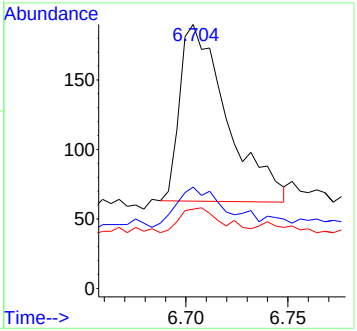


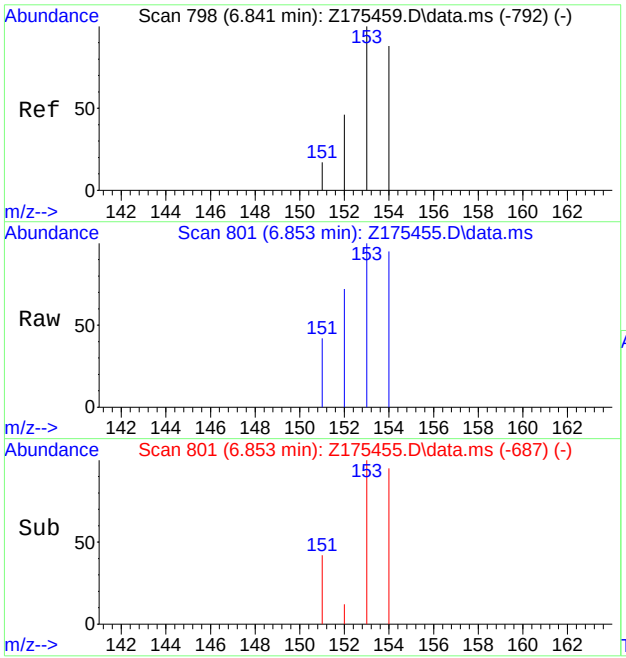


#14
Acenaphthylene
Concen: 6.88 ppb
RT: 6.704 min Scan# 764
Delta R.T. 0.016 min
Lab File: Z175455.D
Acq: 10 Sep 2025 1:05 pm

Tgt Ion:152 Resp: 206

Ion	Ratio	Lower	Upper
152	100		
151	20.1	0.0	50.1
153	12.3	0.0	42.6

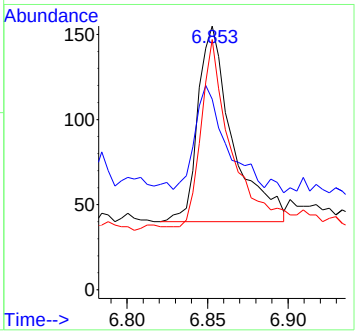




#15
Acenaphthene
Concen: 8.12 ppb
RT: 6.853 min Scan# 801
Delta R.T. 0.012 min
Lab File: Z175455.D
Acq: 10 Sep 2025 1:05 pm

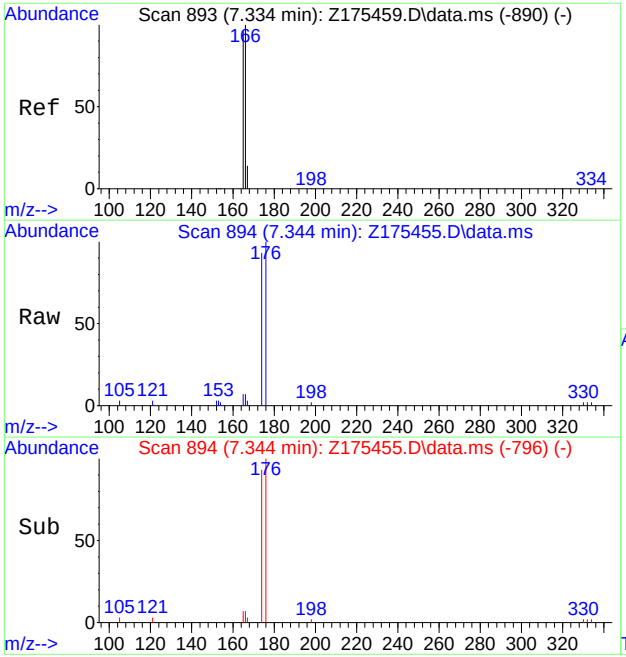
Tgt Ion:153 Resp: 171

Ion	Ratio	Lower	Upper
153	100		
152	46.9	16.6	76.6
154	93.8	57.9	117.9



9.6.17

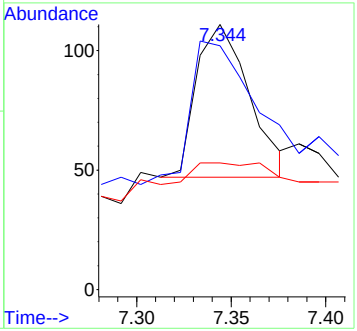
9

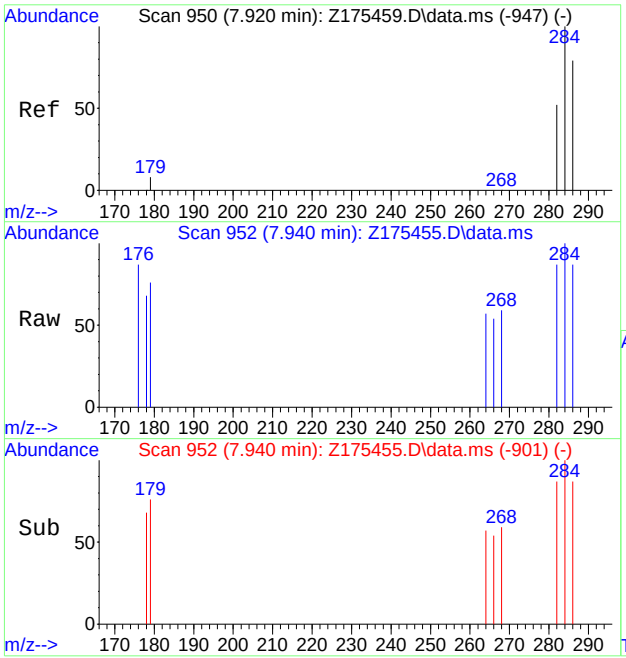


#16
Fluorene
Concen: 5.11 ppb m
RT: 7.344 min Scan# 894
Delta R.T. 0.010 min
Lab File: Z175455.D
Acq: 10 Sep 2025 1:05 pm

Tgt Ion:166 Resp: 124

Ion	Ratio	Lower	Upper
166	100		
165	91.9	65.8	125.8
167	47.7	0.0	43.5#

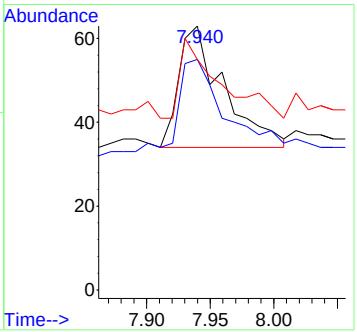


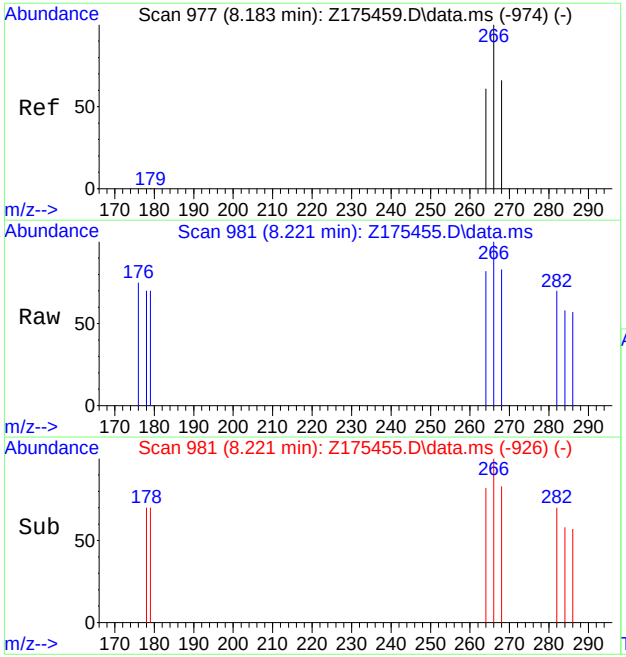


#20
Hexachlorobenzene
Concen: 7.87 ppb
RT: 7.940 min Scan# 952
Delta R.T. 0.019 min
Lab File: Z175455.D
Acq: 10 Sep 2025 1:05 pm

Tgt Ion:284 Resp: 71

Ion	Ratio	Lower	Upper
284	100		
286	73.2	48.9	108.9
282	50.0	22.1	82.1

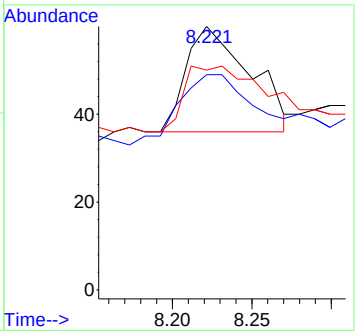


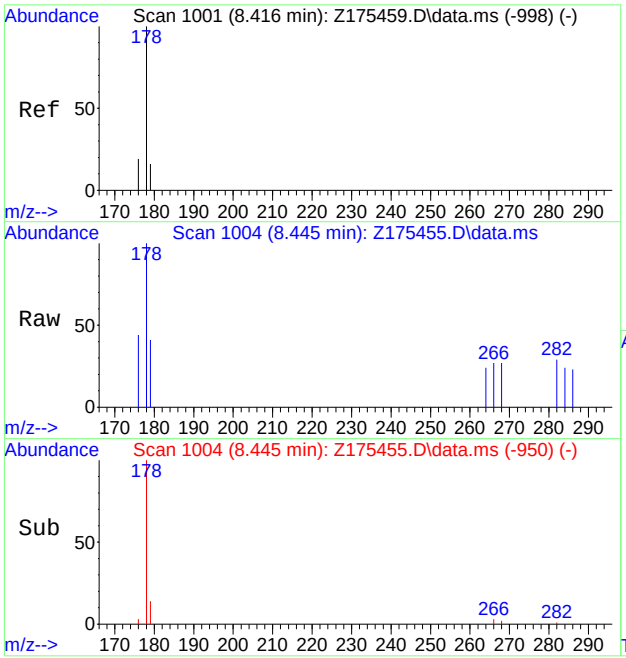


#21
Pentachlorophenol
Concen: 22.45 ppb
RT: 8.221 min Scan# 981
Delta R.T. 0.039 min
Lab File: Z175455.D
Acq: 10 Sep 2025 1:05 pm

Tgt Ion:266 Resp: 67

Ion	Ratio	Lower	Upper
266	100		
264	54.5	30.8	90.8
268	43.2	36.3	96.3

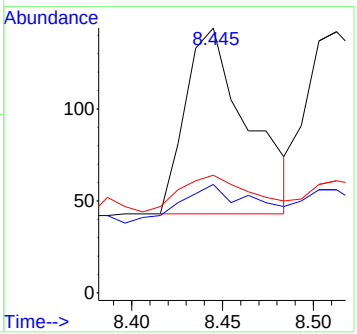




#22
Phenanthrene
Concen: 7.58 ppb
RT: 8.445 min Scan# 1004
Delta R.T. 0.029 min
Lab File: Z175455.D
Acq: 10 Sep 2025 1:05 pm

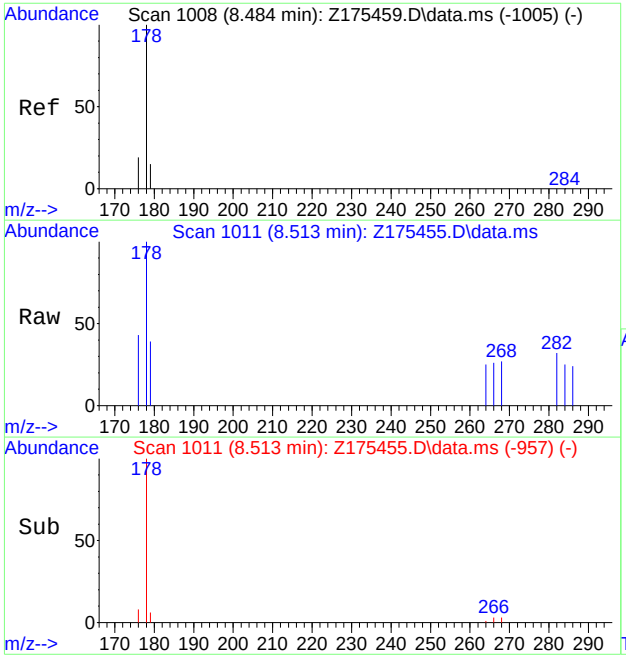
Tgt Ion:178 Resp: 240

Ion	Ratio	Lower	Upper
178	100		
179	17.0	0.0	45.6
176	18.1	0.0	48.6



9.6.17

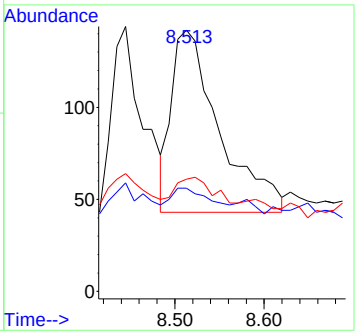
9

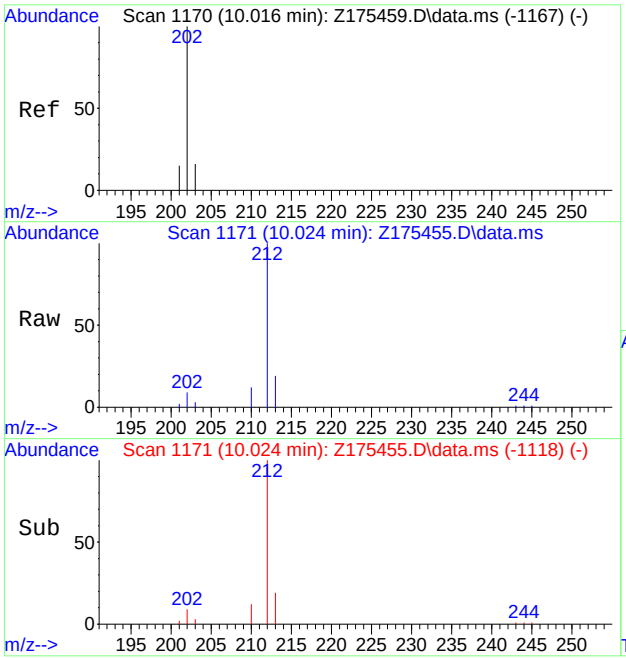


#23
Anthracene
Concen: 9.39 ppb m
RT: 8.513 min Scan# 1011
Delta R.T. 0.029 min
Lab File: Z175455.D
Acq: 10 Sep 2025 1:05 pm

Tgt Ion:178 Resp: 369

Ion	Ratio	Lower	Upper
178	100		
179	39.4	0.0	44.8
176	43.0	0.0	48.7

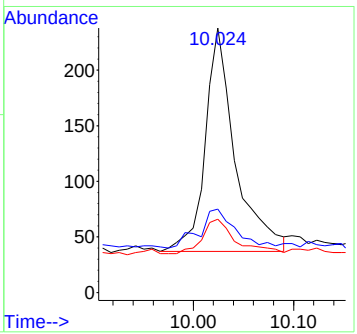


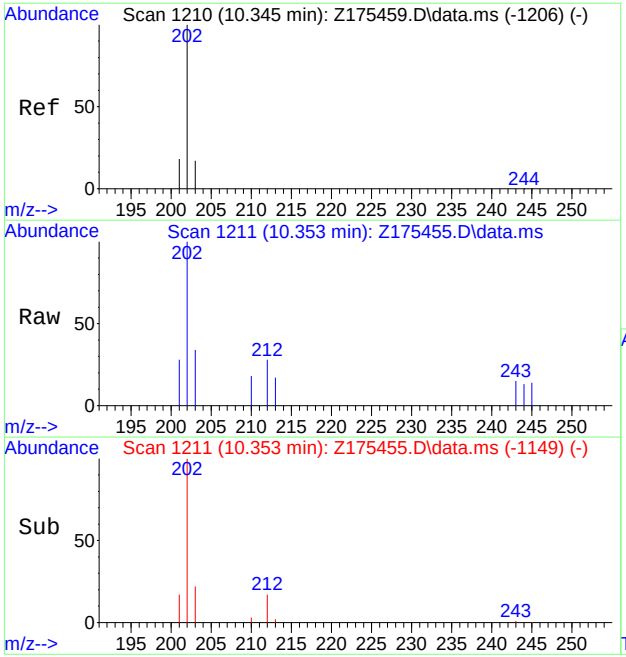


#24
Fluoranthene
Concen: 11.09 ppb
RT: 10.024 min Scan# 1171
Delta R.T. 0.008 min
Lab File: Z175455.D
Acq: 10 Sep 2025 1:05 pm

Tgt Ion:202 Resp: 418

Ion	Ratio	Lower	Upper
202	100		
203	16.7	0.0	46.4
201	15.7	0.0	45.1

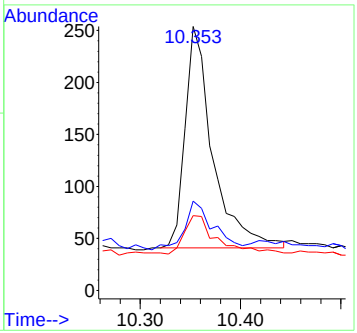


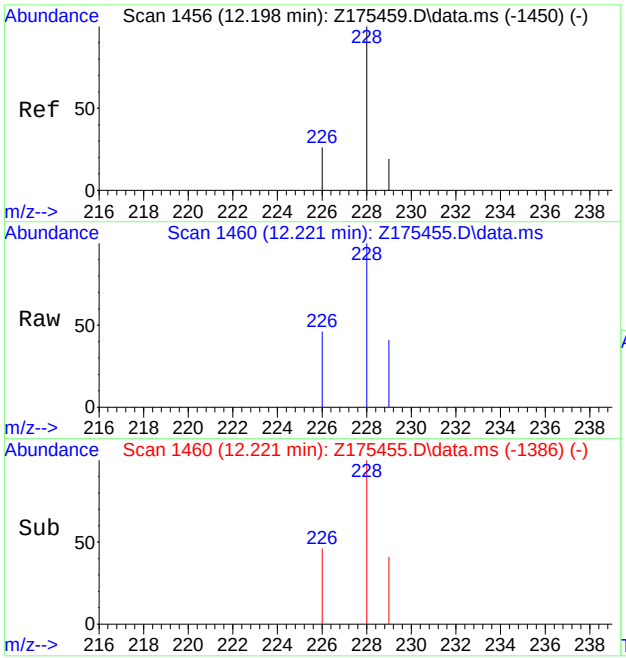


#25
Pyrene
Concen: 10.28 ppb
RT: 10.353 min Scan# 1211
Delta R.T. 0.008 min
Lab File: Z175455.D
Acq: 10 Sep 2025 1:05 pm

Tgt Ion:202 Resp: 408

Ion	Ratio	Lower	Upper
202	100		
203	19.3	0.0	47.4
201	17.1	0.0	47.8

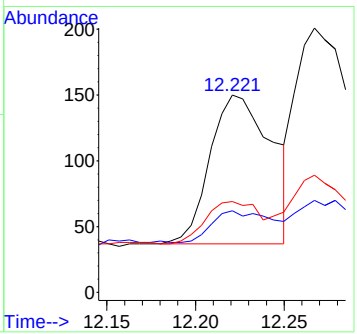


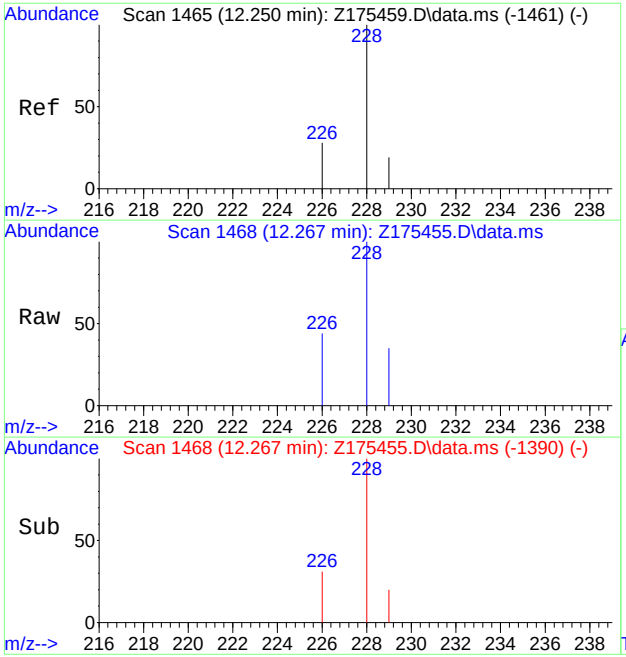


#27
Benzo[a]anthracene
Concen: 10.85 ppb
RT: 12.221 min Scan# 1460
Delta R.T. 0.023 min
Lab File: Z175455.D
Acq: 10 Sep 2025 1:05 pm

Tgt Ion:228 Resp: 273

Ion	Ratio	Lower	Upper
228	100		
229	20.5	0.0	49.3
226	26.5	0.0	55.6

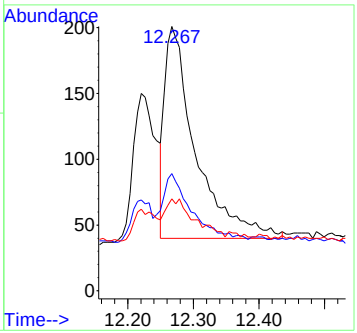


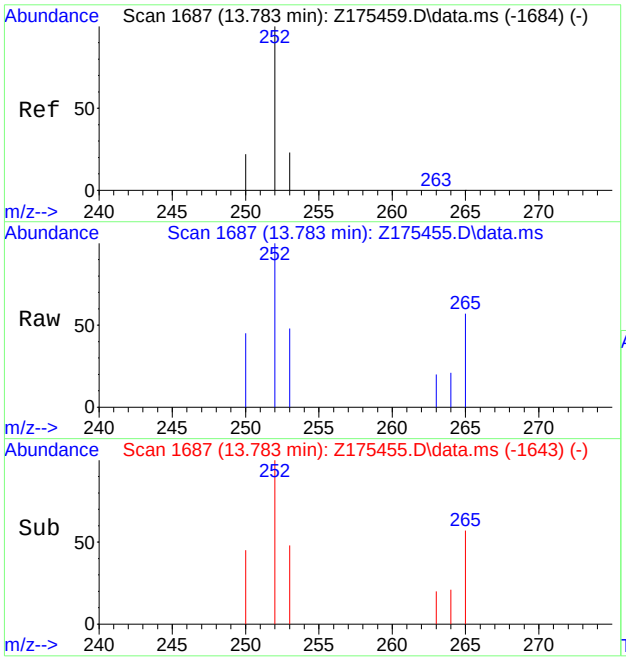


#28
Chrysene
Concen: 12.15 ppb m
RT: 12.267 min Scan# 1468
Delta R.T. 0.017 min
Lab File: Z175455.D
Acq: 10 Sep 2025 1:05 pm

Tgt Ion:228 Resp: 525

Ion	Ratio	Lower	Upper
228	100		
226	44.3	0.0	58.4
229	34.8	0.0	49.1

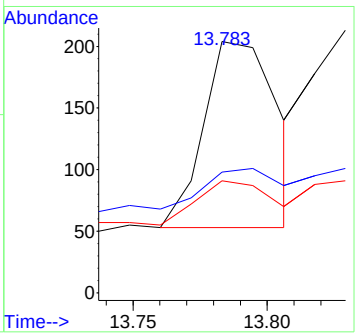


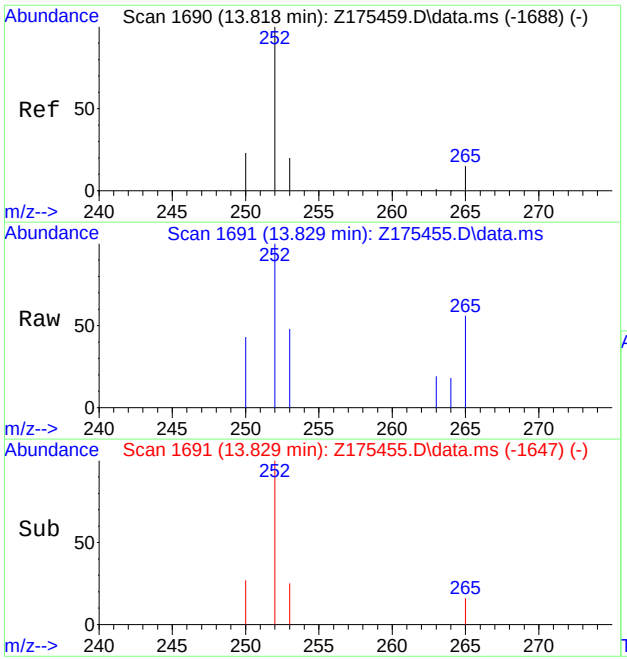


#30
Benzo[b]fluoranthene
Concen: 12.19 ppb
RT: 13.783 min Scan# 1687
Delta R.T. 0.000 min
Lab File: Z175455.D
Acq: 10 Sep 2025 1:05 pm

Tgt Ion:252 Resp: 291

Ion	Ratio	Lower	Upper
252	100		
253	19.1	0.0	52.6
250	26.5	0.0	51.9

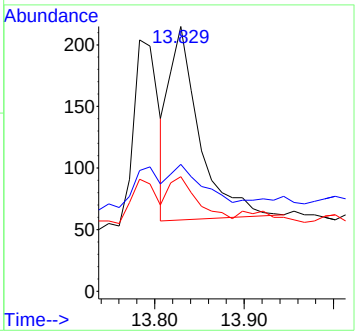


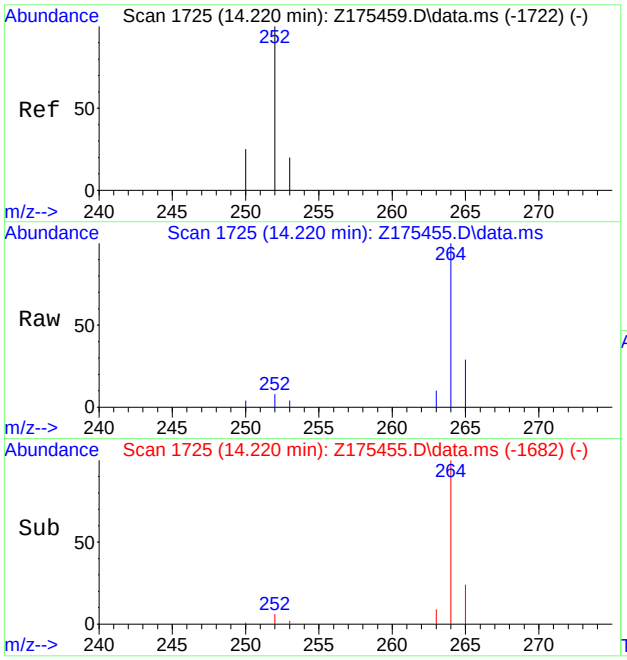


#31
Benzo[k]fluoranthene
Concen: 9.80 ppb
RT: 13.829 min Scan# 1691
Delta R.T. 0.012 min
Lab File: Z175455.D
Acq: 10 Sep 2025 1:05 pm

Tgt Ion:252 Resp: 369

Ion	Ratio	Lower	Upper
252	100		
253	18.4	0.0	51.0
250	24.6	0.0	53.1

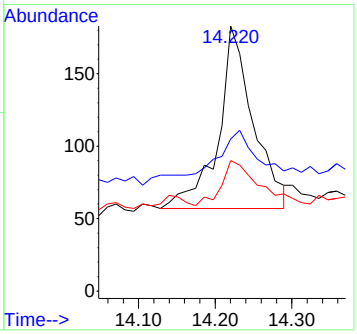




#32
Benzo[a]pyrene
Concen: 13.89 ppb
RT: 14.220 min Scan# 1725
Delta R.T. 0.000 min
Lab File: Z175455.D
Acq: 10 Sep 2025 1:05 pm

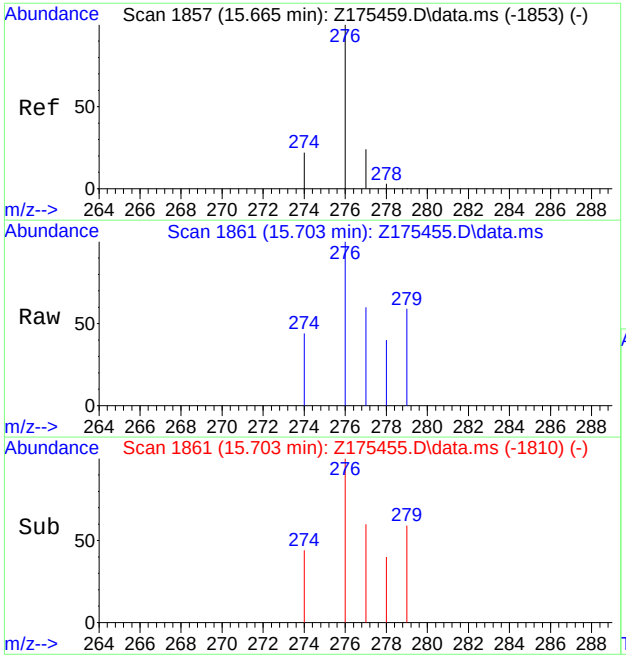
Tgt Ion:252 Resp: 400

Ion	Ratio	Lower	Upper
252	100		
253	19.9	0.0	50.2
250	22.5	0.0	54.3



9.6.17

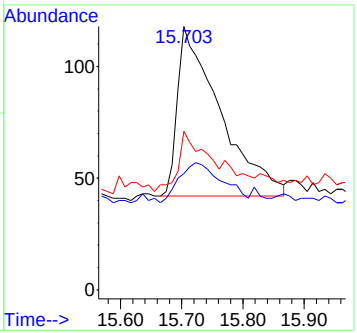
9

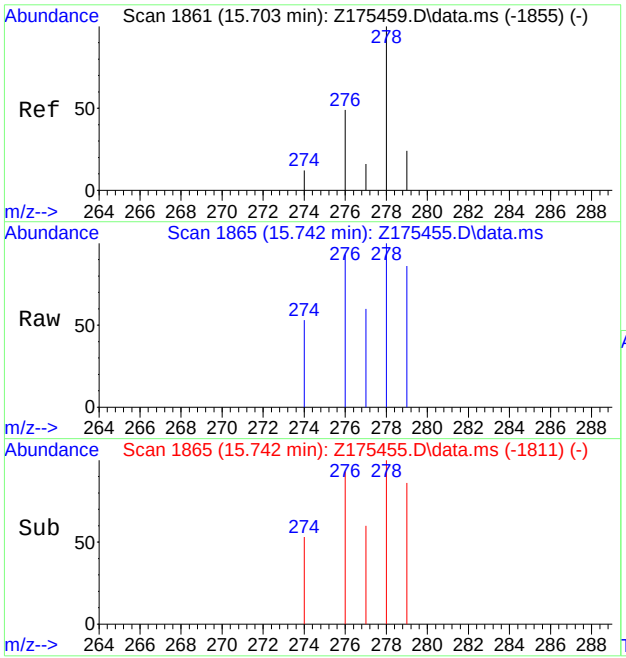


#33
Indeno[1,2,3-cd]pyrene
Concen: 11.23 ppb
RT: 15.703 min Scan# 1861
Delta R.T. 0.038 min
Lab File: Z175455.D
Acq: 10 Sep 2025 1:05 pm

Tgt Ion:276 Resp: 366

Ion	Ratio	Lower	Upper
276	100		
274	15.0	0.0	51.7
277	31.3	0.0	53.6

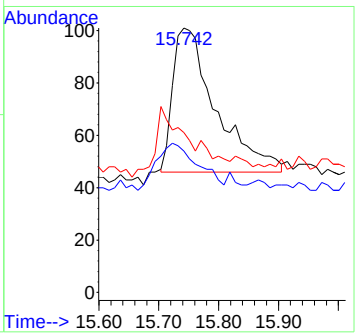


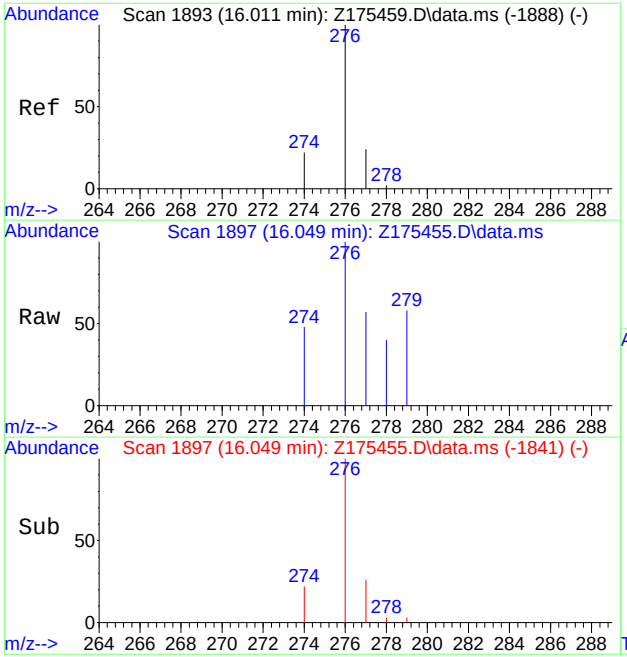


#34
Dibenz[a,h]anthracene
Concen: 10.15 ppb m
RT: 15.742 min Scan# 1865
Delta R.T. 0.038 min
Lab File: Z175455.D
Acq: 10 Sep 2025 1:05 pm

Tgt Ion:278 Resp: 274

Ion	Ratio	Lower	Upper
278	100		
274	53.5	0.0	44.0#
277	60.4	0.0	46.5#

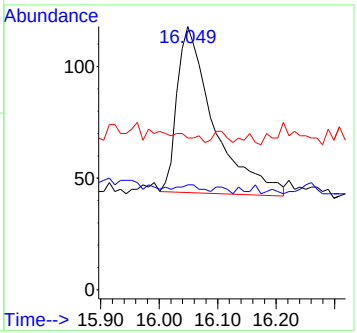




#35
Benzo[g,h,i]perylene
Concen: 11.37 ppb m
RT: 16.049 min Scan# 1897
Delta R.T. 0.038 min
Lab File: Z175455.D
Acq: 10 Sep 2025 1:05 pm

Tgt Ion:276 Resp: 323

Ion	Ratio	Lower	Upper
276	100		
278	39.8	0.0	32.8#
279	57.6	0.0	30.0#



9.6.17

9

Manual Integration Approval Summary

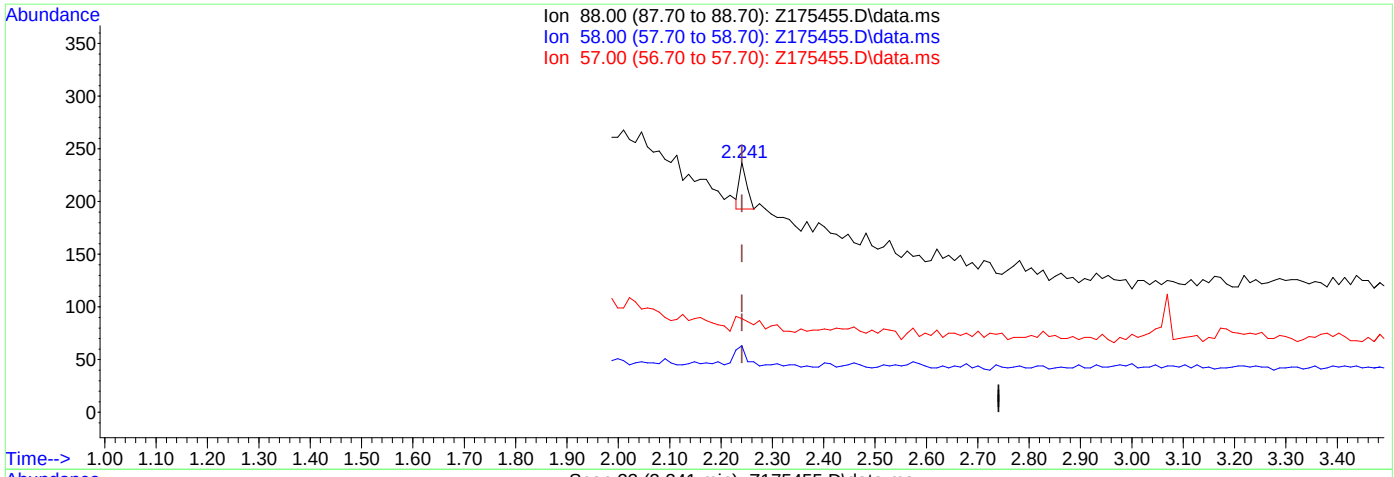
Sample Number: EZ8654-IC8654
Lab FileID: Z175455.D
Injection Time: 09/10/25 13:05
Method: SW846 8270E BY SIM
Analyst approved: 09/11/25 12:10 Ying Li
Supervisor approved: 09/15/25 15:51 Nina Pandya

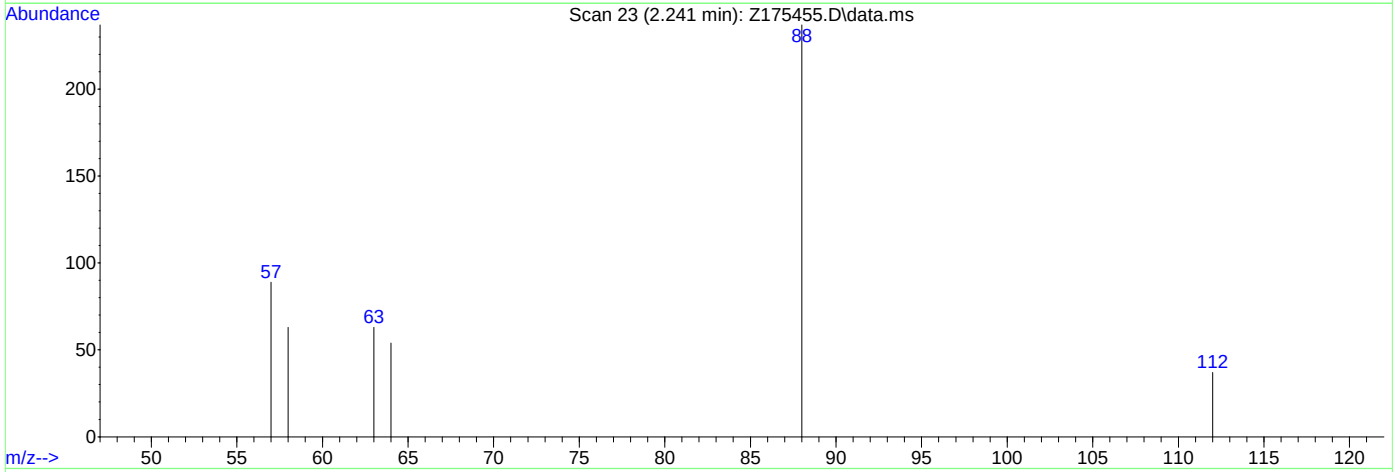
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,4-Dioxane	123-91-1		2.24	Poor instrument integration
Phenol	108-95-2		4.37	Poor instrument integration
Phenol-d5	4165-62-2		4.37	Poor instrument integration
Nitrobenzene-d5	4165-60-0		4.98	Poor instrument integration
Naphthalene	91-20-3		5.49	Poor instrument integration
2-Methylnaphthalene	91-57-6		5.98	Poor instrument integration
Fluorene	86-73-7		7.34	Poor instrument integration
2,4,6-Tribromophenol	118-79-6		7.62	Poor instrument integration
Anthracene	120-12-7		8.51	Poor instrument integration
Chrysene	218-01-9		12.27	Poor instrument integration
Dibenzo(a,h)anthracene	53-70-3		15.74	Poor instrument integration
Benzo(g,h,i)perylene	191-24-2		16.05	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175455.D
Acq On : 10 Sep 2025 1:05 pm
Operator : rocquans
Sample : ic8654-0.01
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 16:39:08 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175455.D\data.ms

(2) 1,4-Dioxane (t)

2.241min (+0.000) 10.64ppb

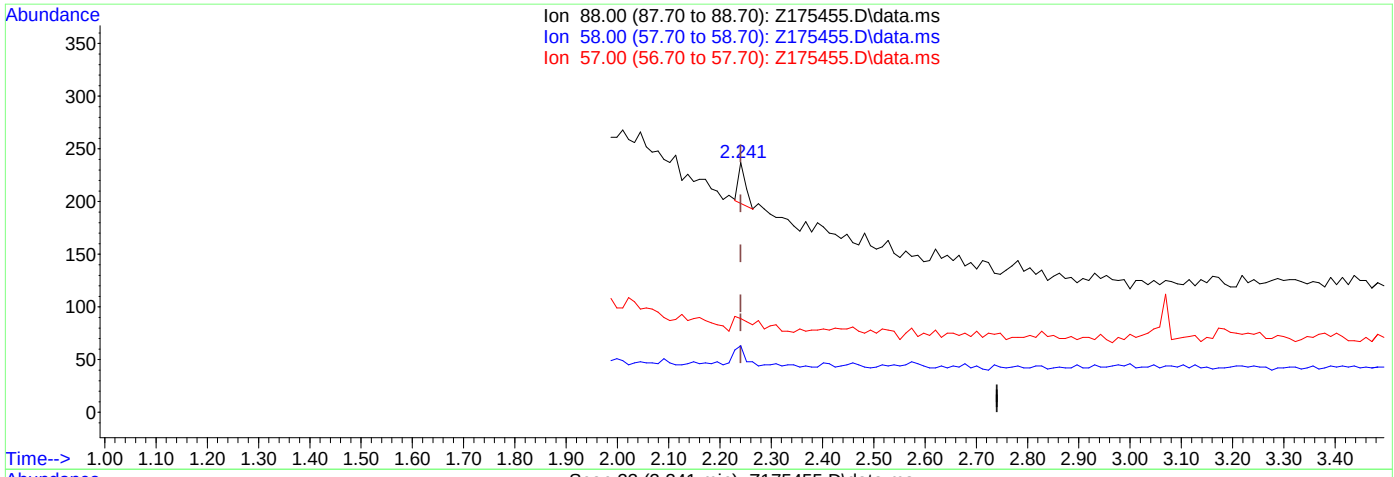
response 44

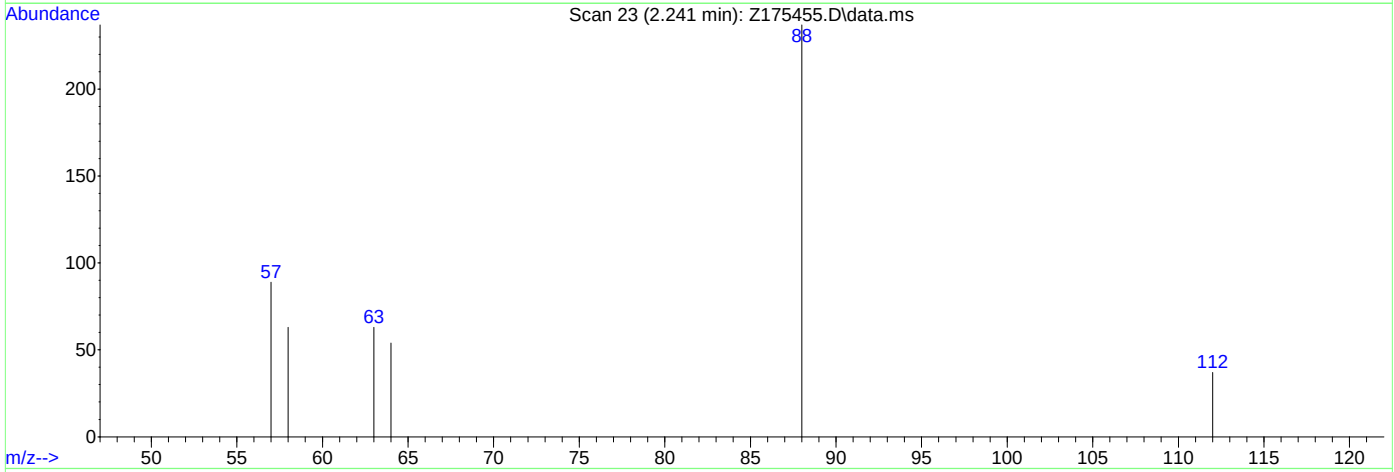
Ion	Exp%	Act%
88.00	100	100
58.00	35.60	24.05
57.00	20.00	5.06
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175455.D
Acq On : 10 Sep 2025 1:05 pm
Operator : rocquans
Sample : ic8654-0.01
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 16:39:08 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175455.D\data.ms

(2) 1,4-Dioxane (t)

2.241min (+0.000) 8.47ppb m

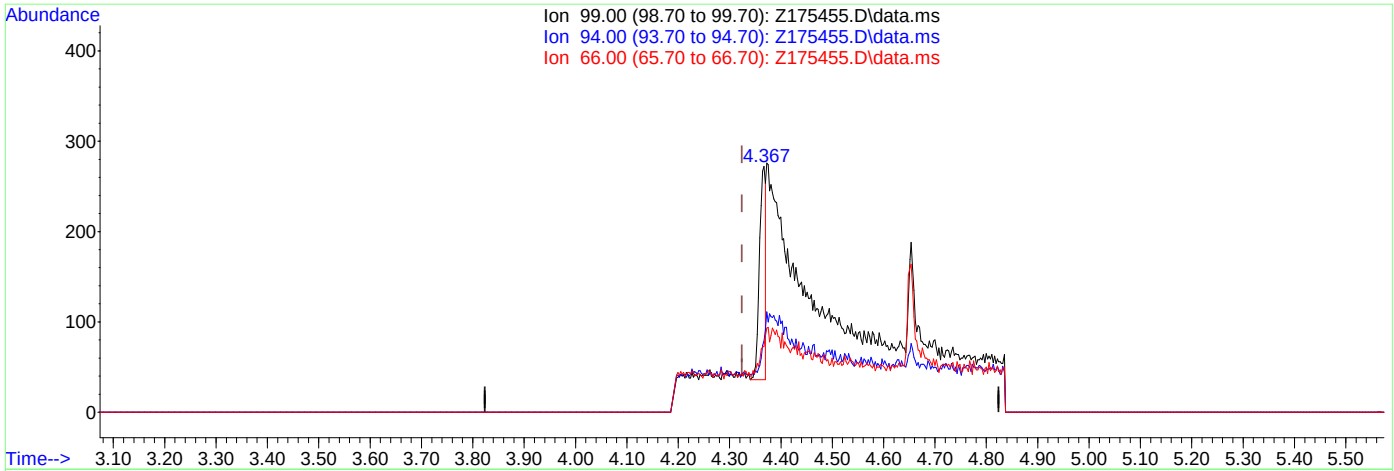
response 35

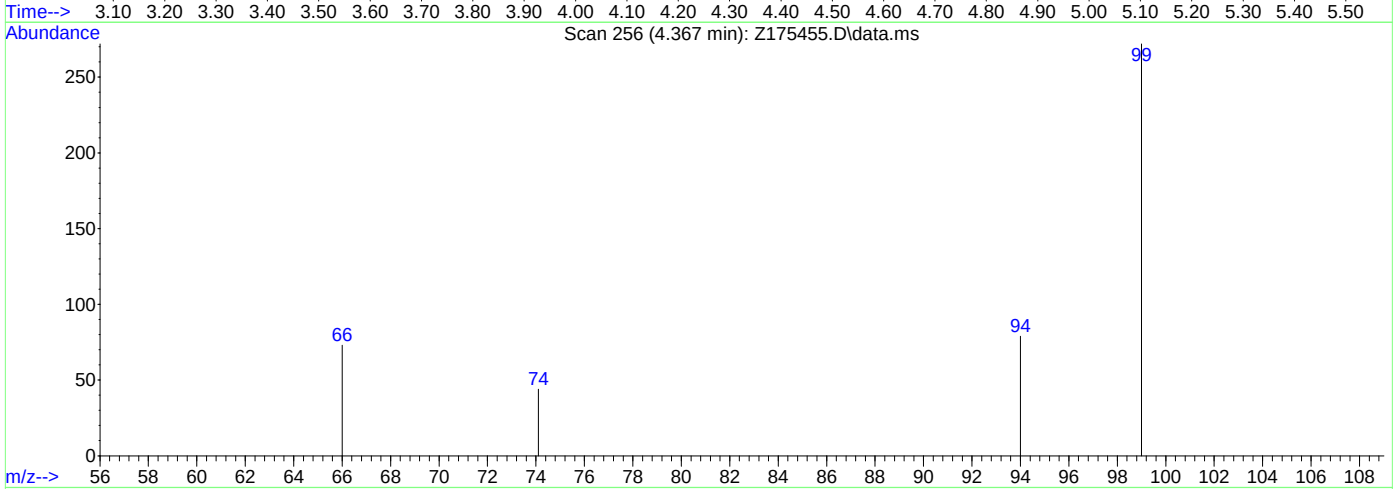
Ion	Exp%	Act%
88.00	100	100
58.00	35.60	26.58
57.00	20.00	37.55
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175455.D
Acq On : 10 Sep 2025 1:05 pm
Operator : rocquans
Sample : ic8654-0.01
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 16:39:08 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175455.D\data.ms

(4) Phenol-d5 (S)

4.367min (+0.043) 23.00ppb

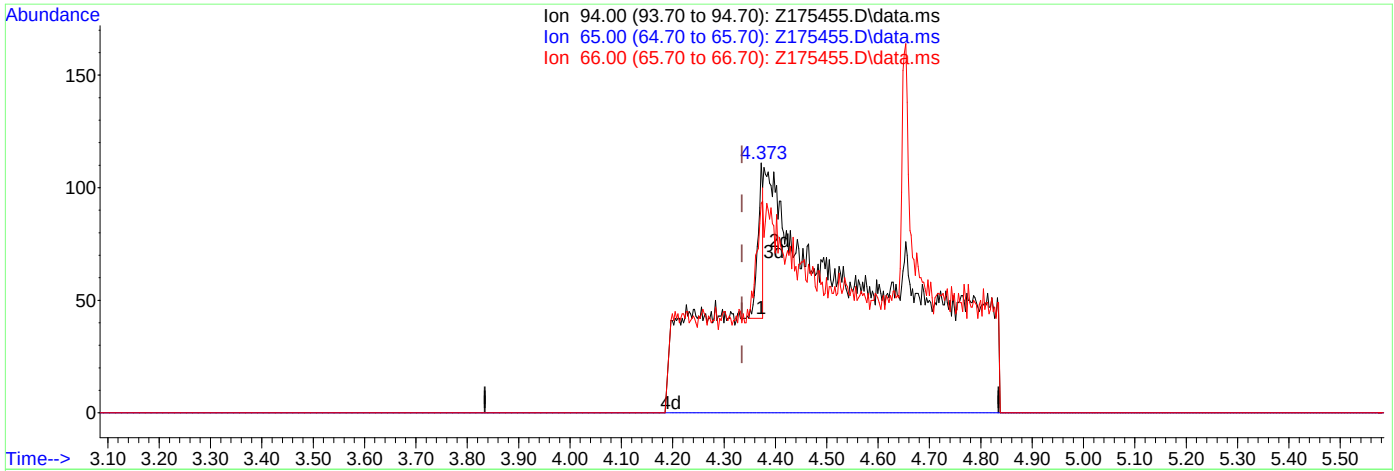
response 195

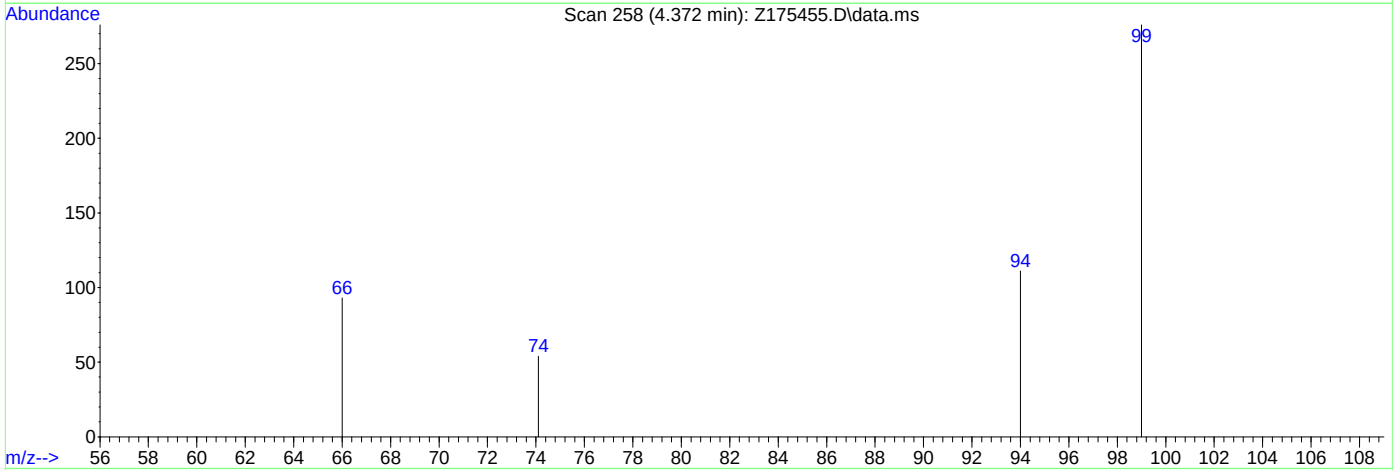
Ion	Exp%	Act%
99.00	100	100
94.00	0.40	9.80
66.00	7.40	8.63
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175455.D
Acq On : 10 Sep 2025 1:05 pm
Operator : rocquans
Sample : ic8654-0.01
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 16:39:08 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175455.D\data.ms

(5) Phenol

4.372min (+0.038) 5.35ppb

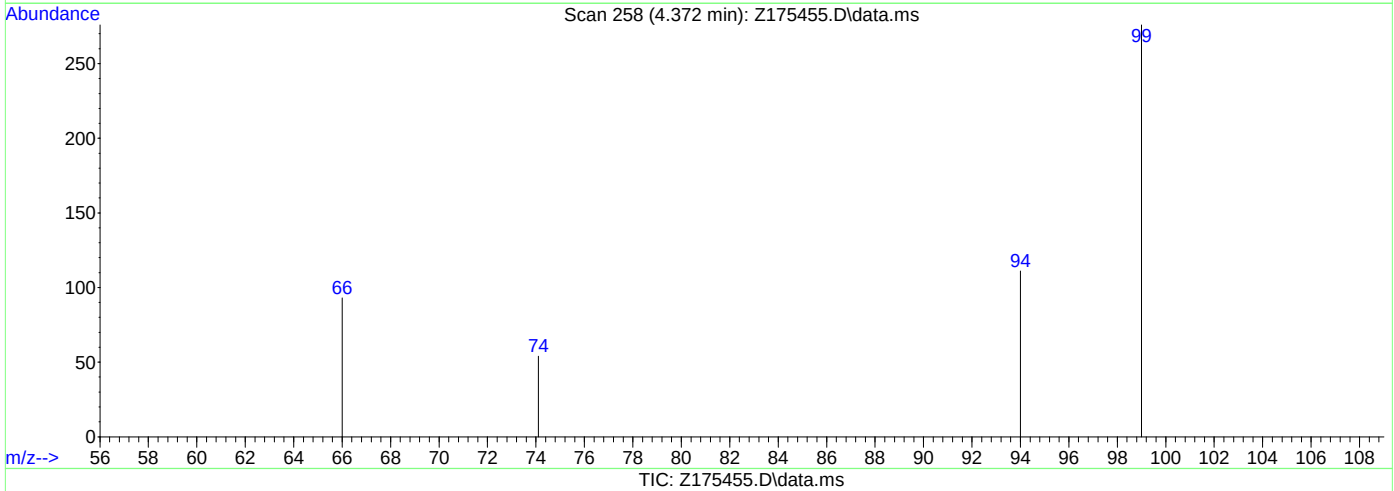
response 46

Ion	Exp%	Act%
94.00	100	100
65.00	0.00	0.00
66.00	62.30	61.25
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175455.D
Acq On : 10 Sep 2025 1:05 pm
Operator : rocquans
Sample : ic8654-0.01
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 16:39:08 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration



TIC: Z175455.D\data.ms

(5) Phenol

4.372min (+0.038) 35.37ppb m

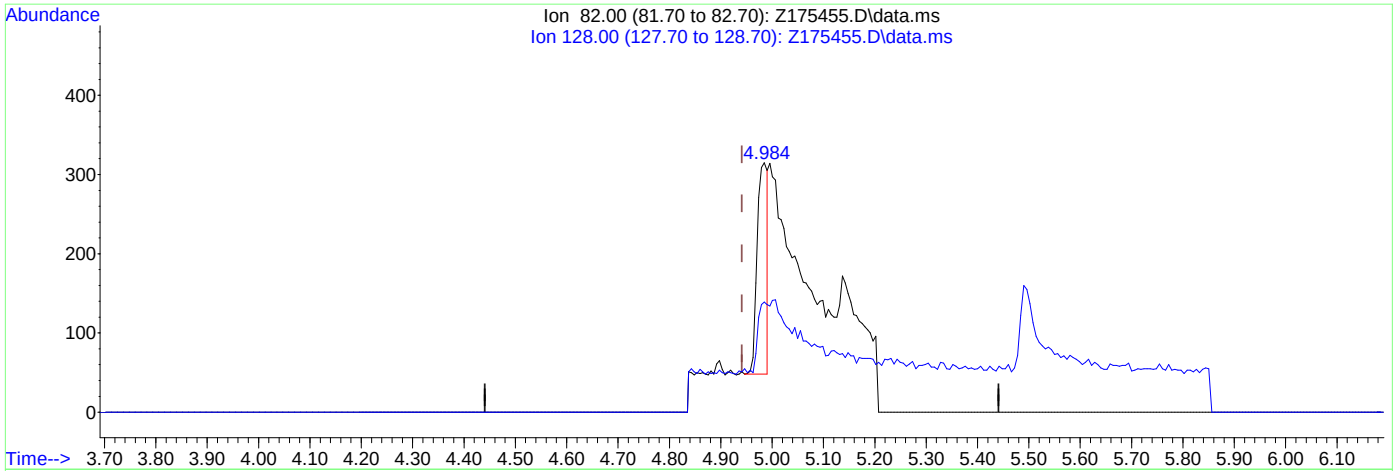
response 304

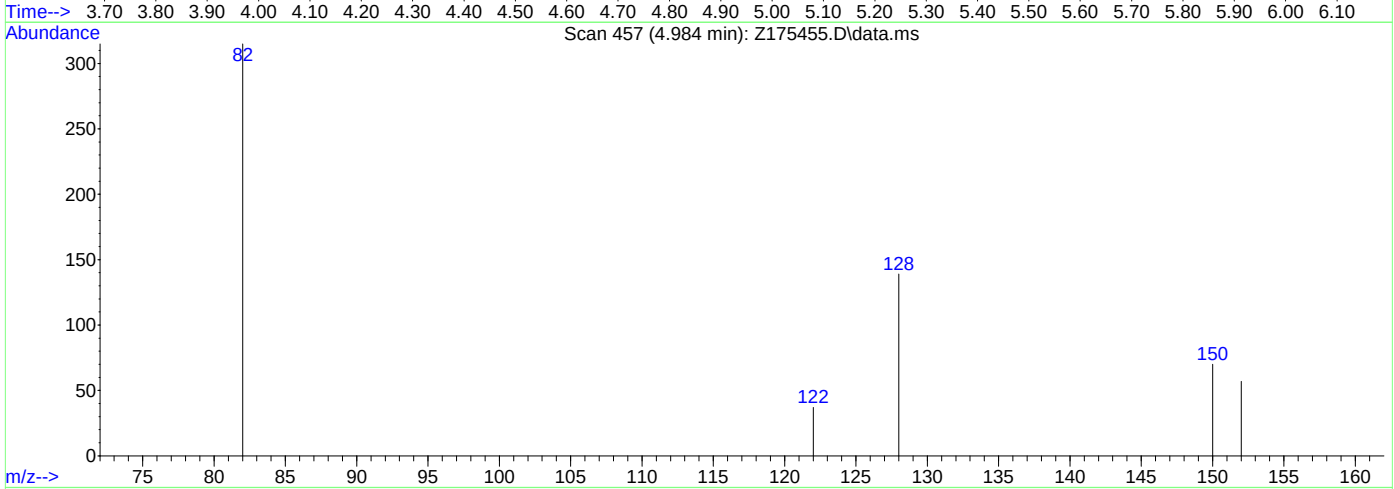
Ion	Exp%	Act%
94.00	100	100
65.00	0.00	0.00
66.00	62.30	83.78#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175455.D
Acq On : 10 Sep 2025 1:05 pm
Operator : rocquans
Sample : ic8654-0.01
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 16:39:08 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175455.D\data.ms

(6) Nitrobenzene-d5 (S)

4.984min (+0.044) 39.83ppb

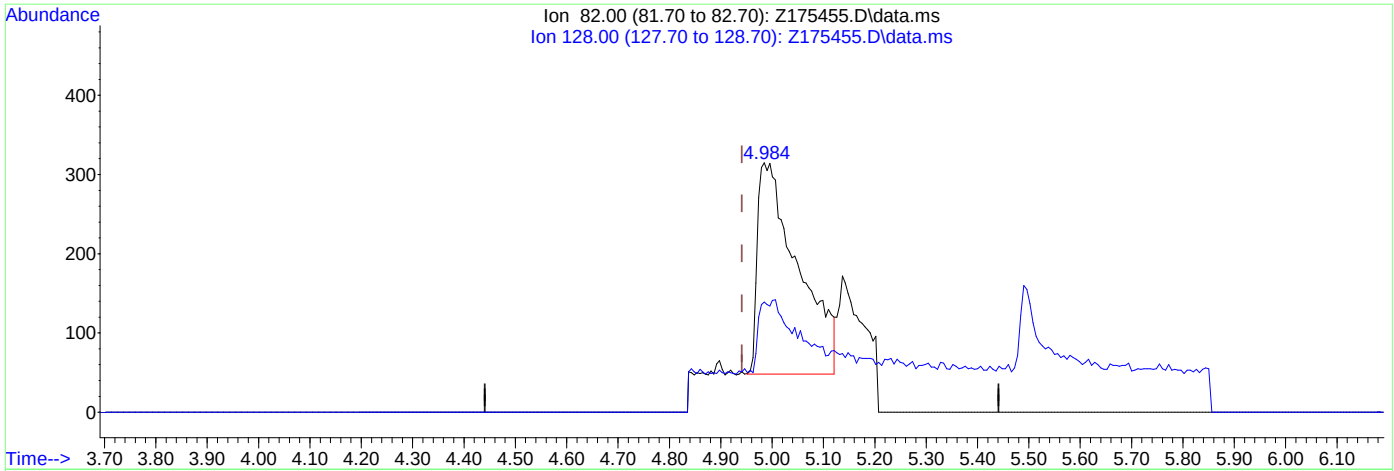
response 375

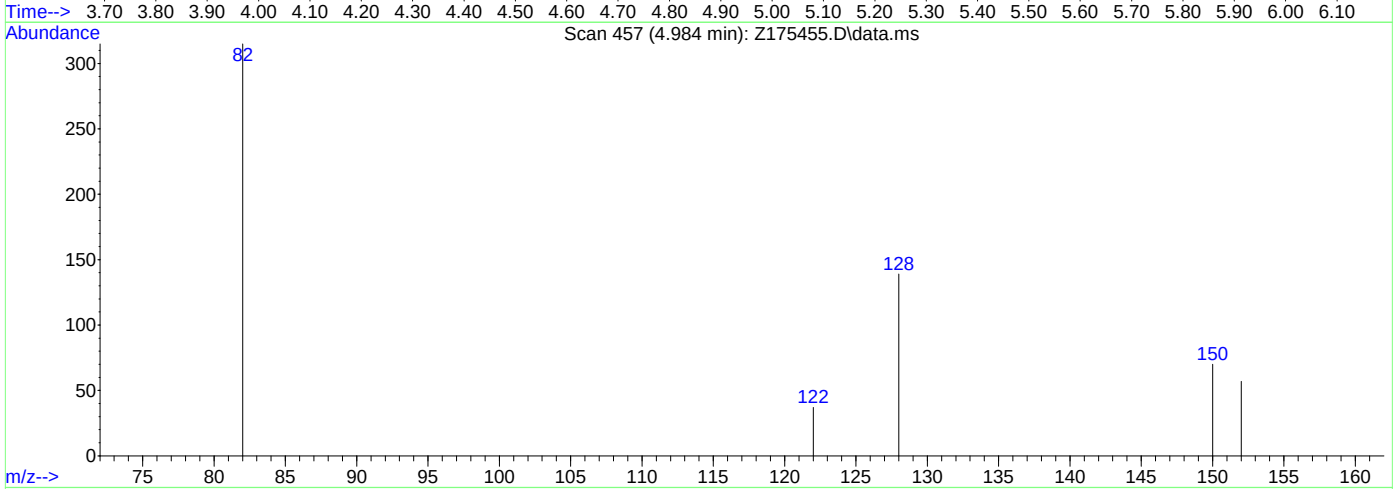
Ion	Exp%	Act%
82.00	100	100
128.00	23.60	31.41
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175455.D
Acq On : 10 Sep 2025 1:05 pm
Operator : rocquans
Sample : ic8654-0.01
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 16:39:08 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175455.D\data.ms

(6) Nitrobenzene-d5 (S)

4.984min (+0.044) 155.18ppb m

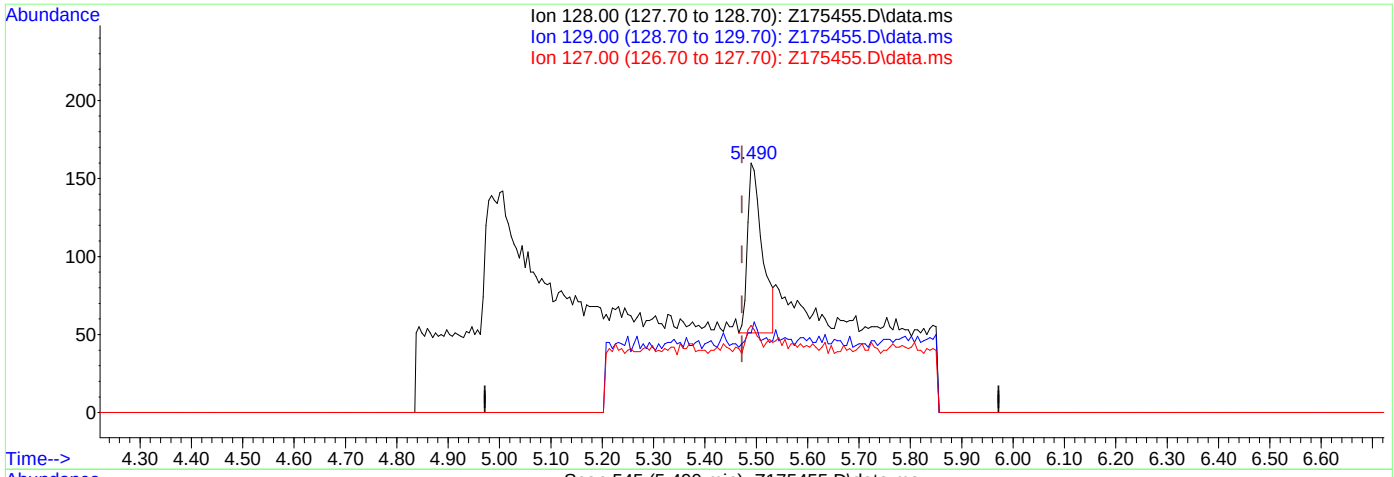
response 1461

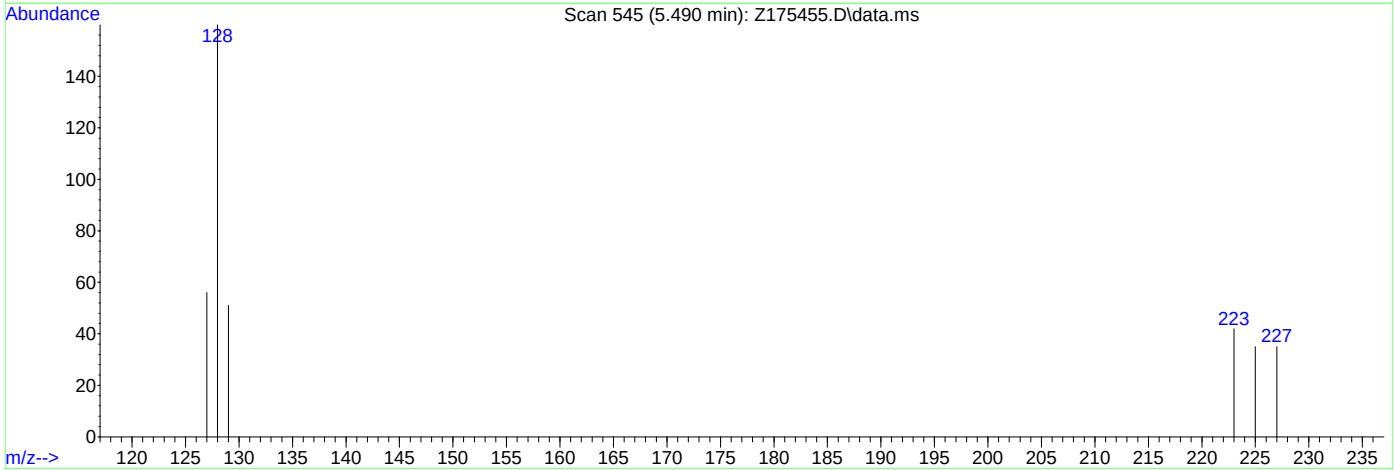
Ion	Exp%	Act%
82.00	100	100
128.00	23.60	44.13
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175455.D
Acq On : 10 Sep 2025 1:05 pm
Operator : rocquans
Sample : ic8654-0.01
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 16:39:08 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175455.D\data.ms

(7) Naphthalene (t)

5.490min (+0.018) 7.44ppb

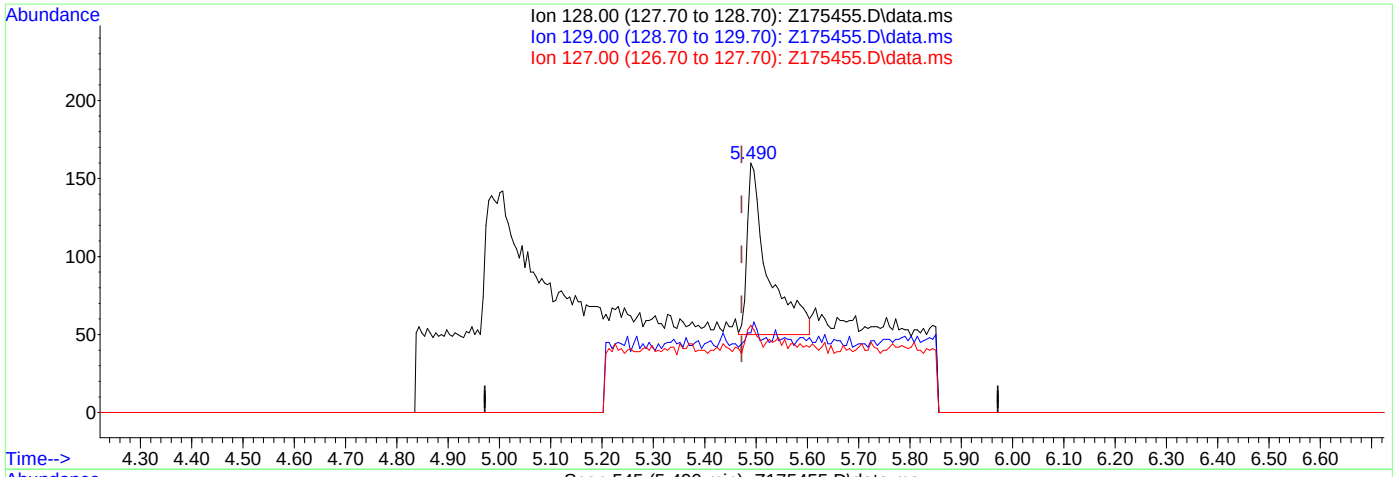
response 217

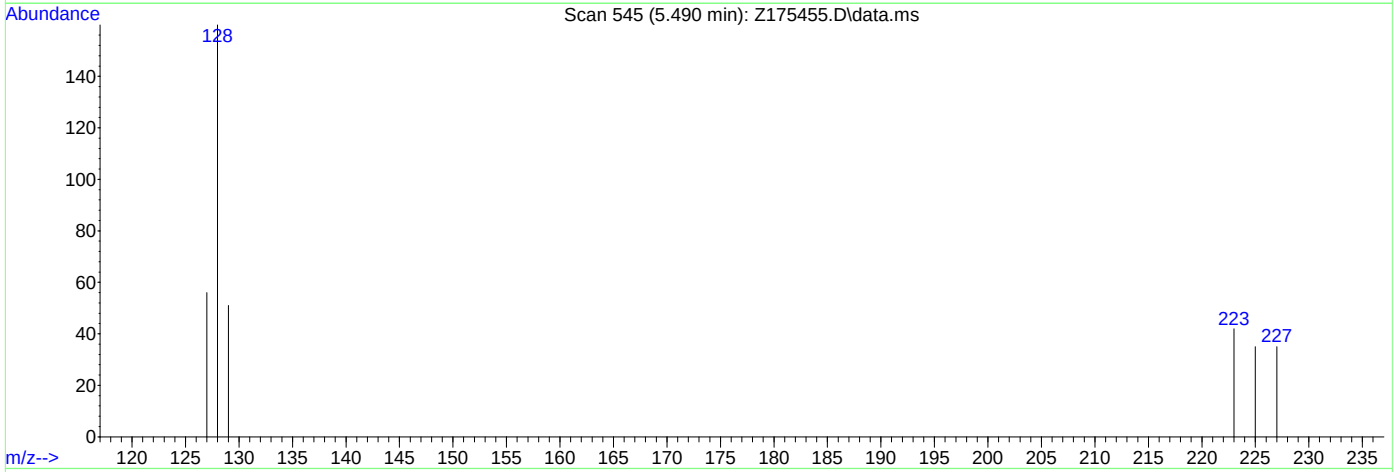
Ion	Exp%	Act%
128.00	100	100
129.00	10.60	7.41
127.00	13.30	13.76
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175455.D
Acq On : 10 Sep 2025 1:05 pm
Operator : rocquans
Sample : ic8654-0.01
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 16:39:08 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175455.D\data.ms

(7) Naphthalene (t)

5.490min (+0.018) 10.63ppb m

response 310

Ion	Exp%	Act%
128.00	100	100
129.00	10.60	31.87
127.00	13.30	35.00
0.00	0.00	0.00

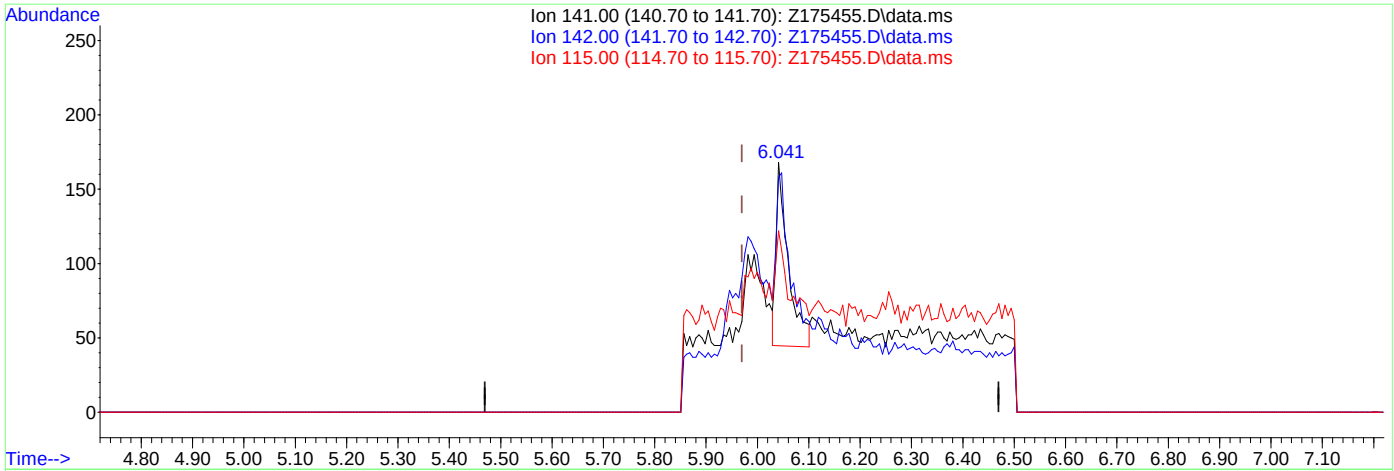
SGS 1653 of 2826

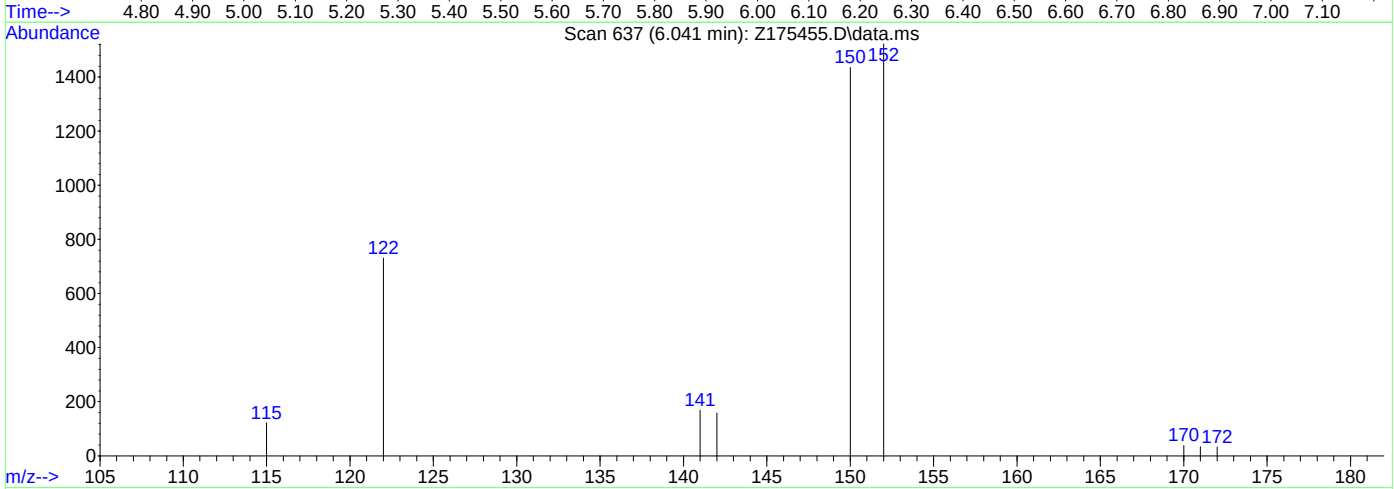
JE20825

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175455.D
Acq On : 10 Sep 2025 1:05 pm
Operator : rocquans
Sample : ic8654-0.01
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 16:39:08 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175455.D\data.ms

(9) 2-Methylnaphthalene (t)

6.041min (+0.072) 11.16ppb

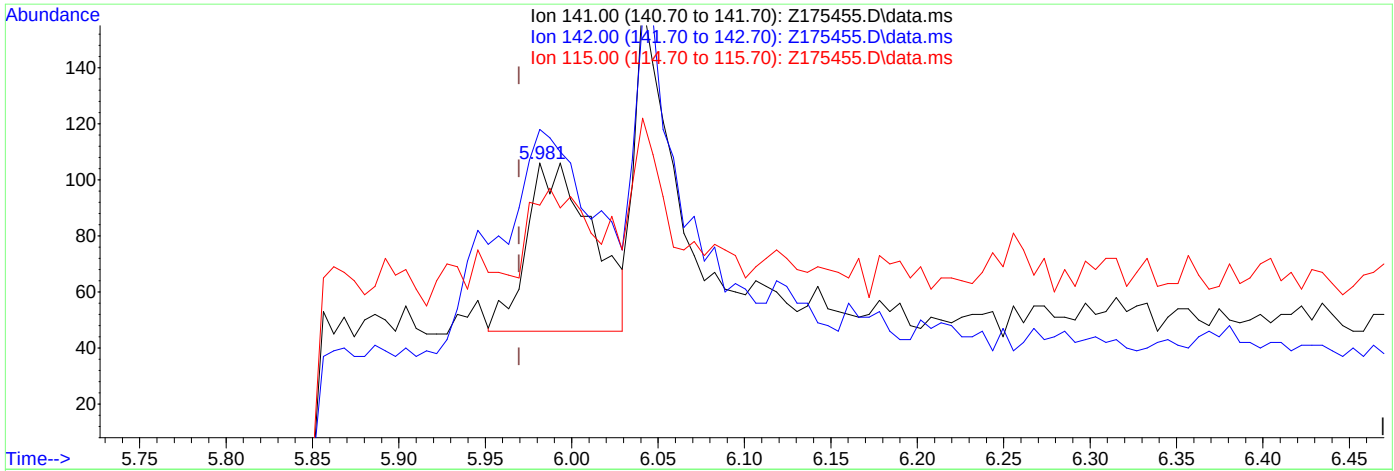
response 202

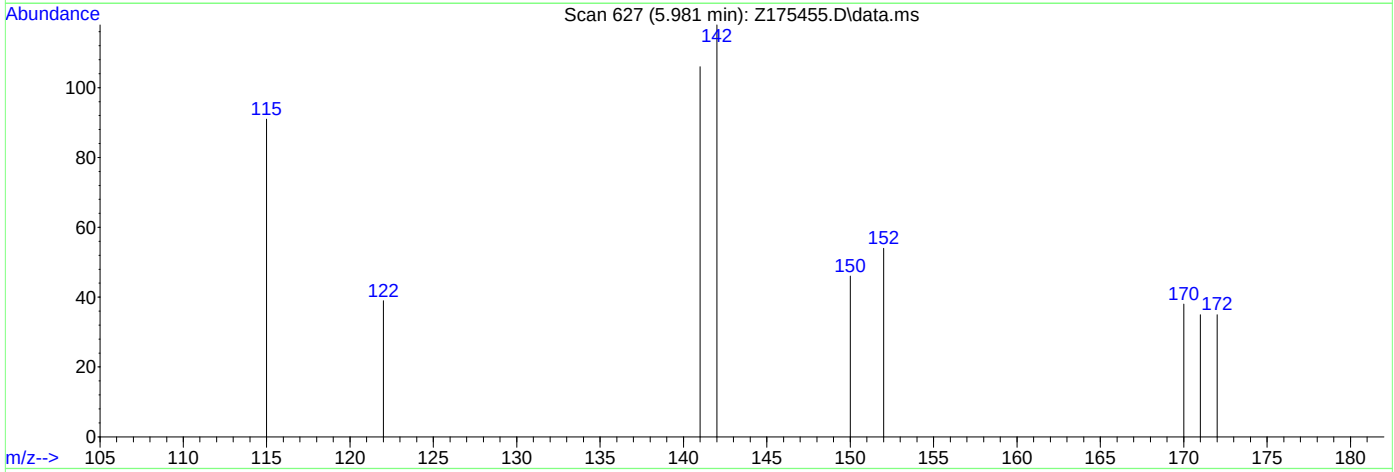
Ion	Exp%	Act%
141.00	100	100
142.00	107.10	86.12
115.00	54.30	49.76
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175455.D
Acq On : 10 Sep 2025 1:05 pm
Operator : rocquans
Sample : ic8654-0.01
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 16:39:08 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175455.D\data.ms

(9) 2-Methylnaphthalene (t)

5.981min (+0.012) 8.79ppb m

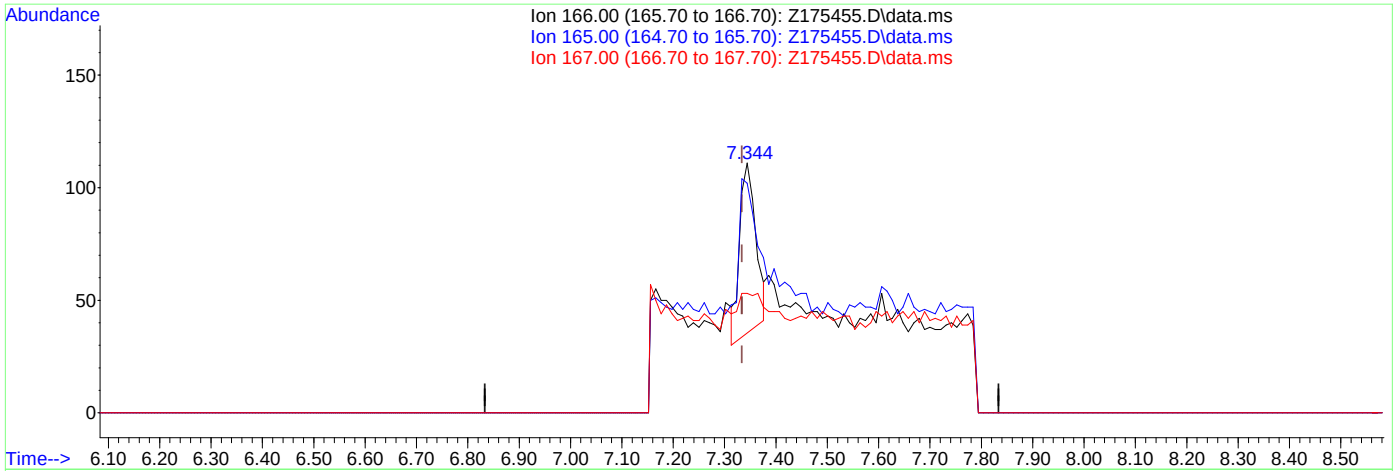
response 159

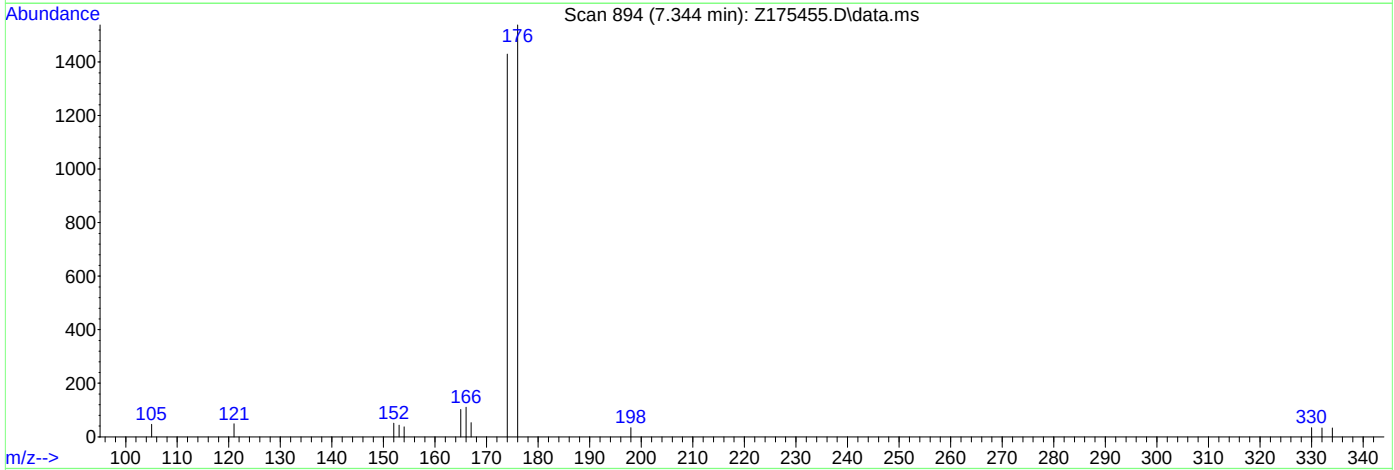
Ion	Exp%	Act%
141.00	100	100
142.00	107.10	111.32
115.00	54.30	85.85#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175455.D
Acq On : 10 Sep 2025 1:05 pm
Operator : rocquans
Sample : ic8654-0.01
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 16:39:08 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175455.D\data.ms

(16) Fluorene (t)

7.344min (+0.010) 6.92ppb

response 168

Ion	Exp%	Act%
166.00	100	100
165.00	95.80	74.36
167.00	13.50	12.82
0.00	0.00	0.00

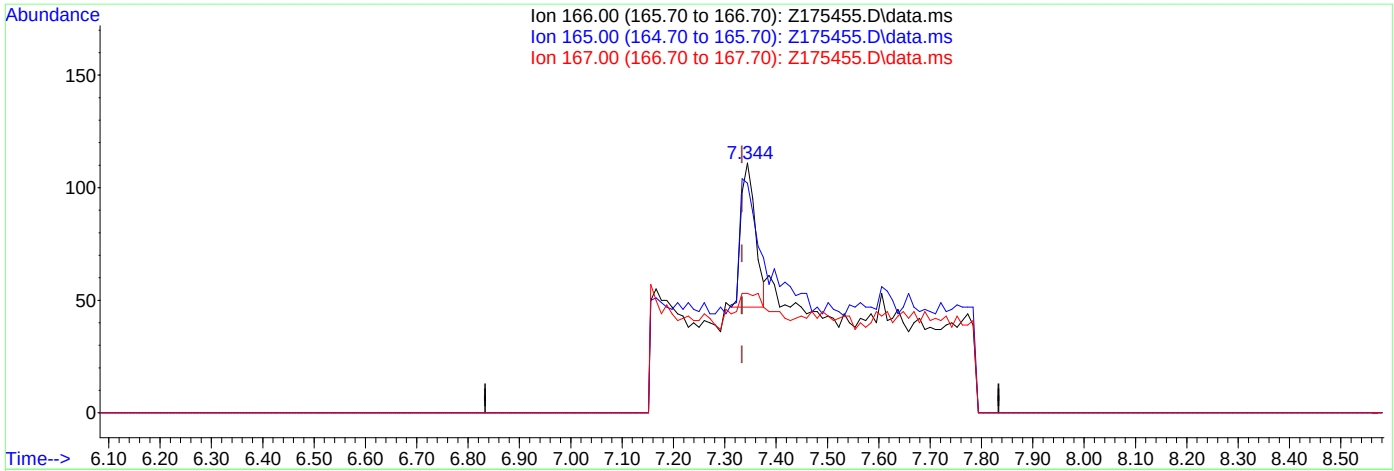
9.6.17.13

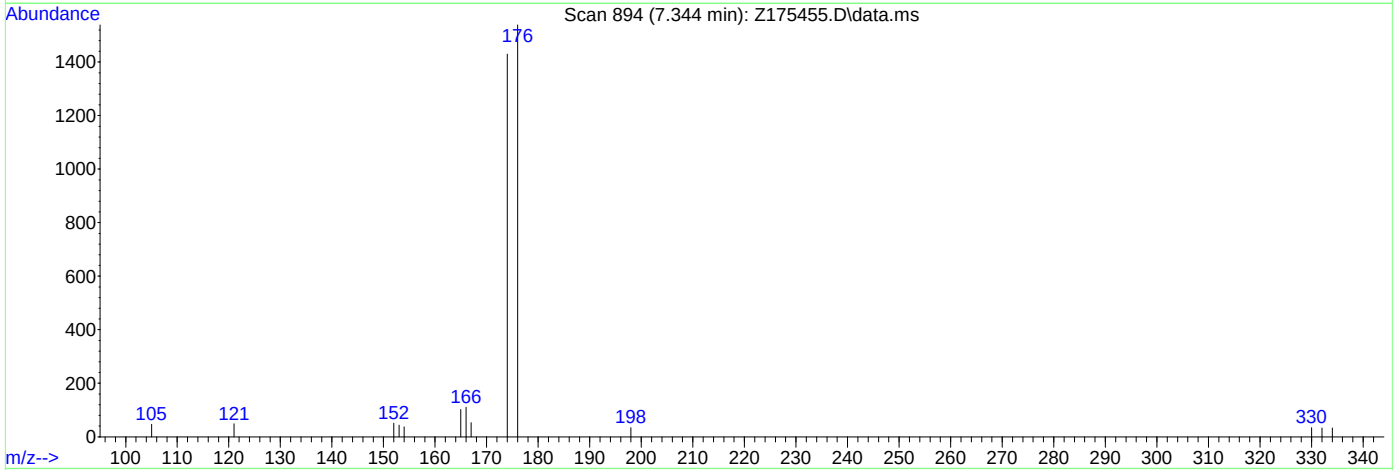
9

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175455.D
Acq On : 10 Sep 2025 1:05 pm
Operator : rocquans
Sample : ic8654-0.01
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 16:39:08 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175455.D\data.ms

(16) Fluorene (t)

7.344min (+0.010) 5.11ppb m

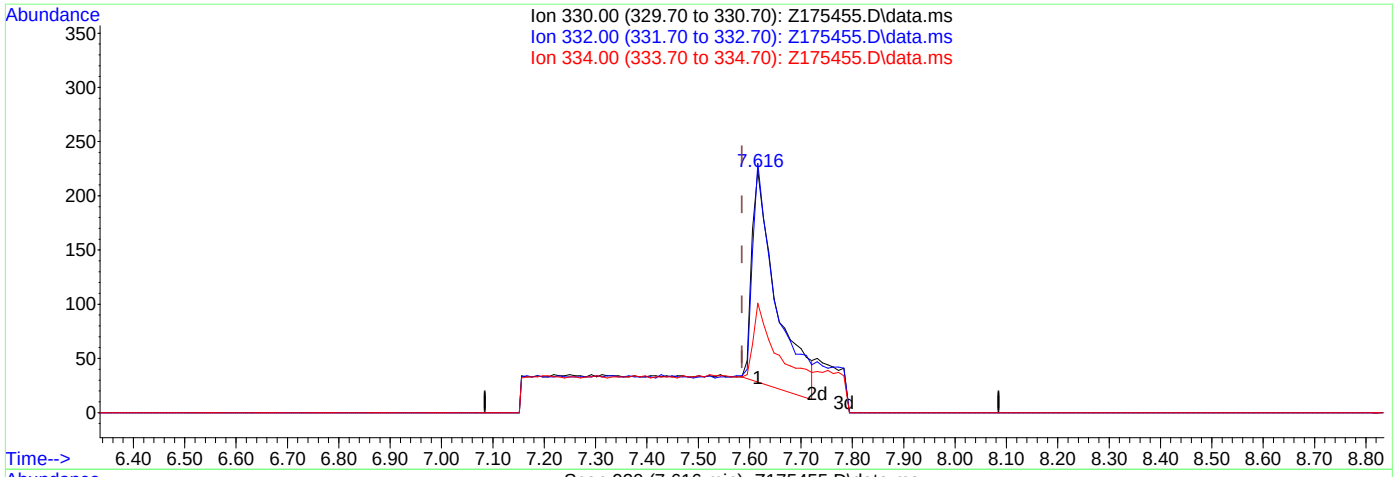
response 124

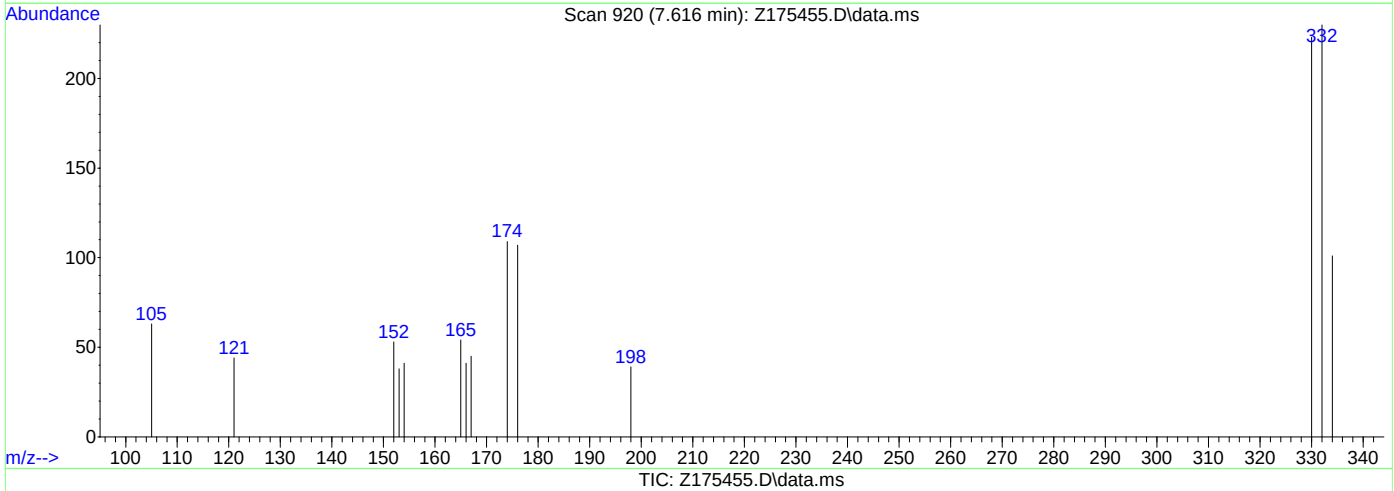
Ion	Exp%	Act%
166.00	100	100
165.00	95.80	91.89
167.00	13.50	47.75#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175455.D
Acq On : 10 Sep 2025 1:05 pm
Operator : rocquans
Sample : ic8654-0.01
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 16:39:08 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175455.D\data.ms

(18) 2,4,6-Tribromophenol (S)

7.616min (+0.031) 174.77ppb

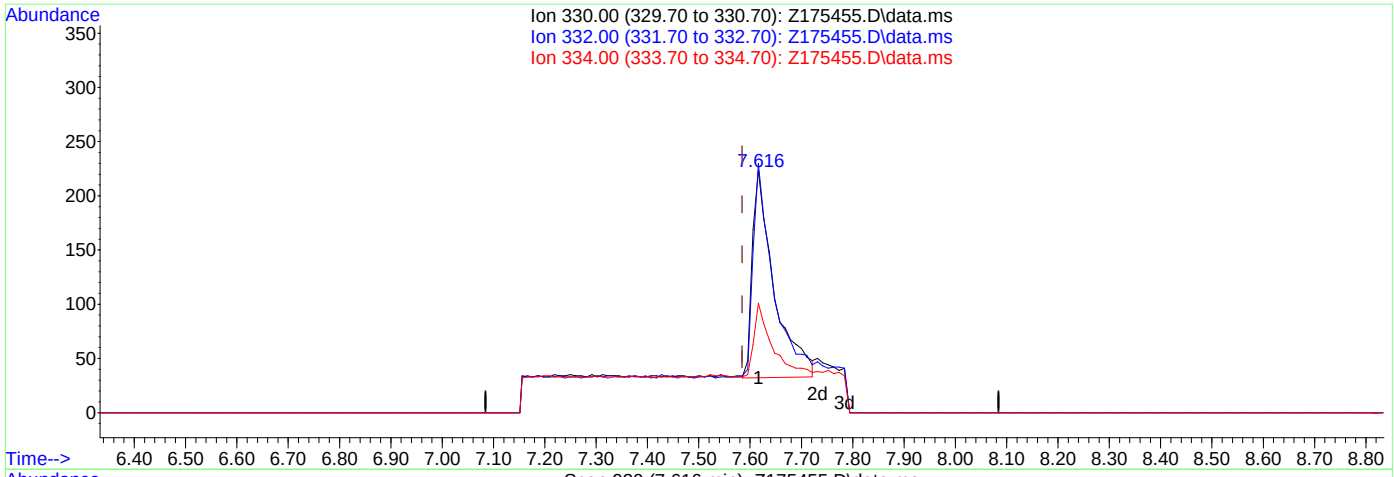
response 646

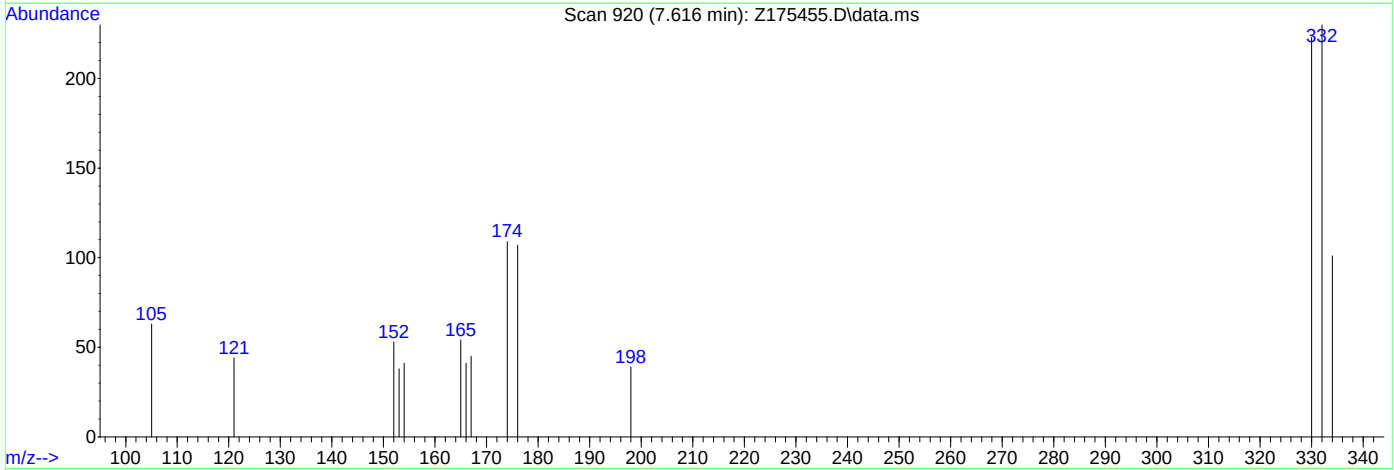
Ion	Exp%	Act%
330.00	100	100
332.00	86.00	104.66
334.00	23.80	36.16
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175455.D
Acq On : 10 Sep 2025 1:05 pm
Operator : rocquans
Sample : ic8654-0.01
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 16:39:08 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175455.D\data.ms

(18) 2,4,6-Tribromophenol (S)

7.616min (+0.031) 152.59ppb m

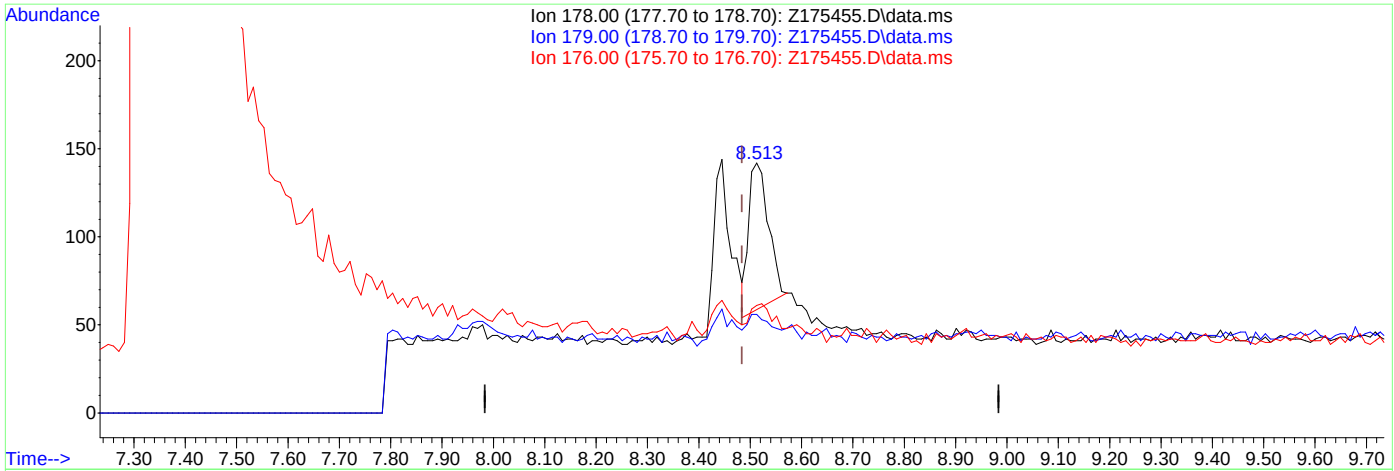
response 564

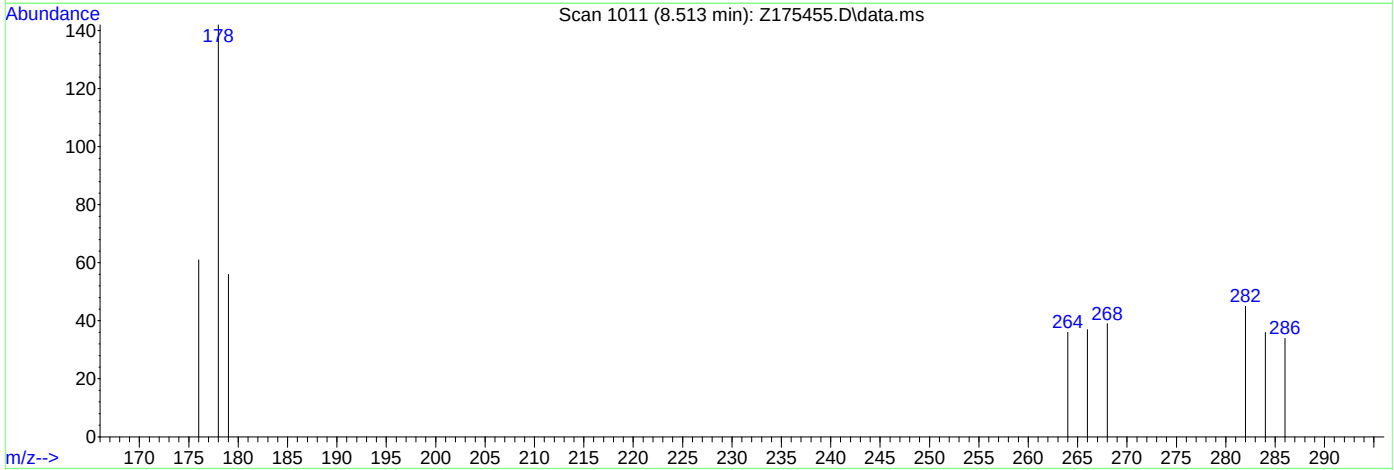
Ion	Exp%	Act%
330.00	100	100
332.00	86.00	103.14
334.00	23.80	45.29
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175455.D
Acq On : 10 Sep 2025 1:05 pm
Operator : rocquans
Sample : ic8654-0.01
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 16:39:08 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175455.D\data.ms

(23) Anthracene (t)

8.513min (+0.029) 5.72ppb

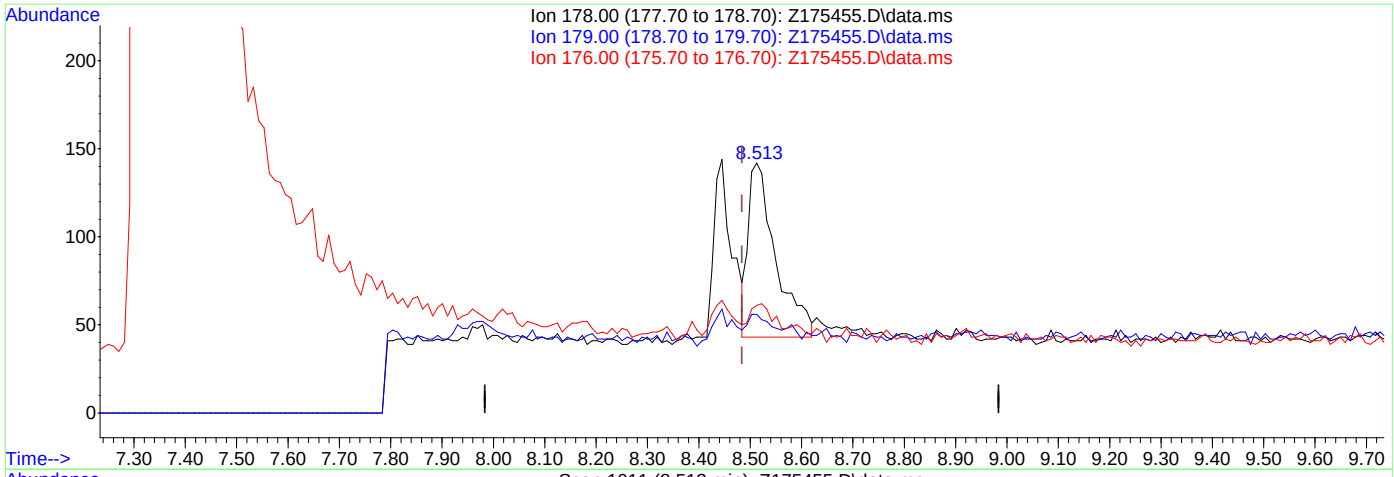
response 225

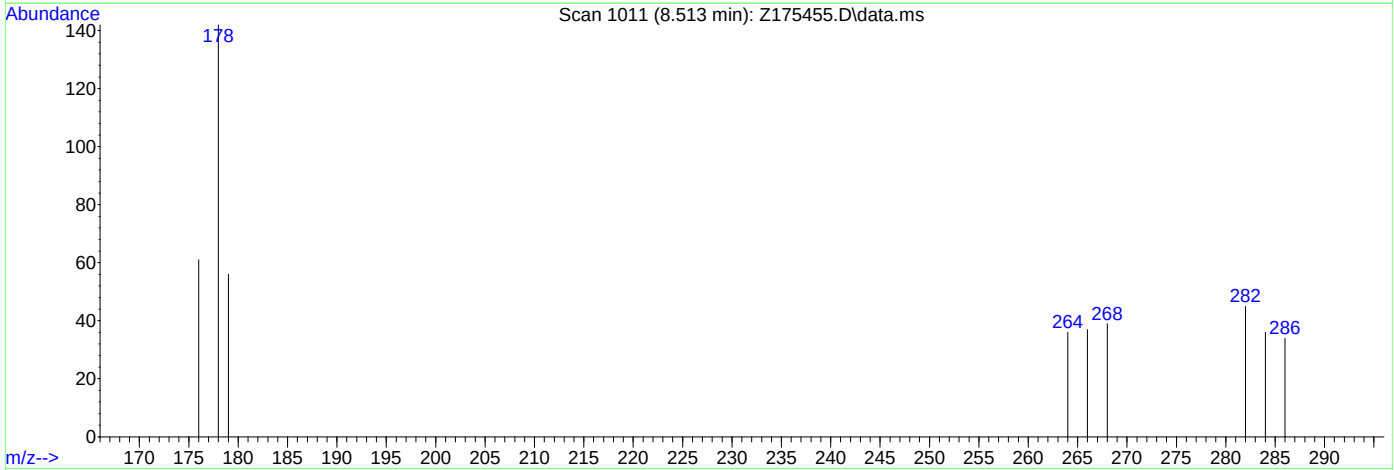
Ion	Exp%	Act%
178.00	100	100
179.00	14.80	11.97
176.00	18.70	16.90
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175455.D
Acq On : 10 Sep 2025 1:05 pm
Operator : rocquans
Sample : ic8654-0.01
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 16:39:08 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175455.D\data.ms

(23) Anthracene (t)

8.513min (+0.029) 9.39ppb m

response 369

Ion	Exp%	Act%
178.00	100	100
179.00	14.80	39.44
176.00	18.70	42.96
0.00	0.00	0.00

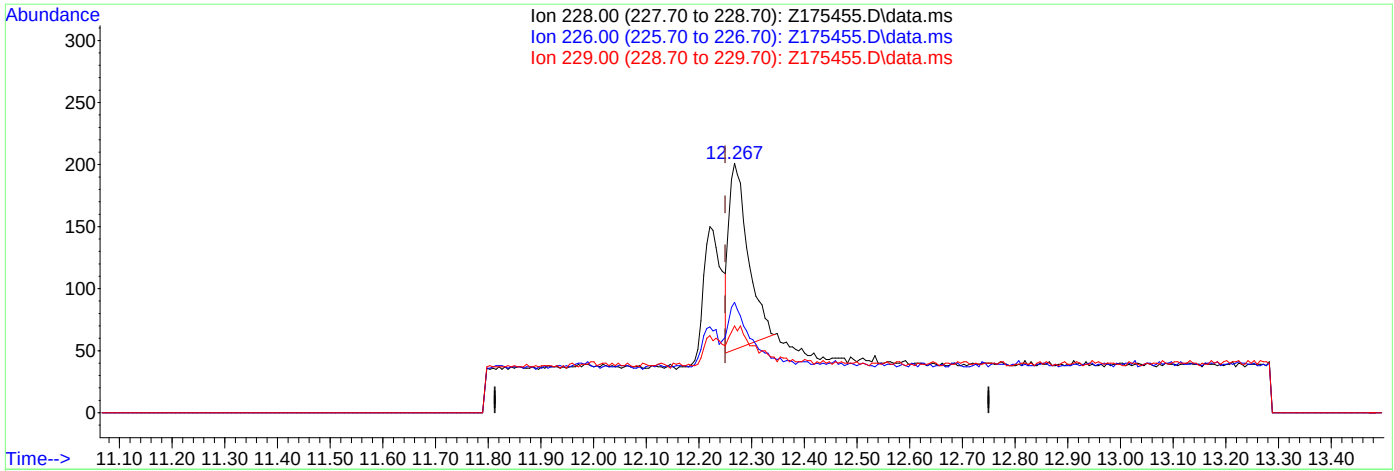
9.6.17.18

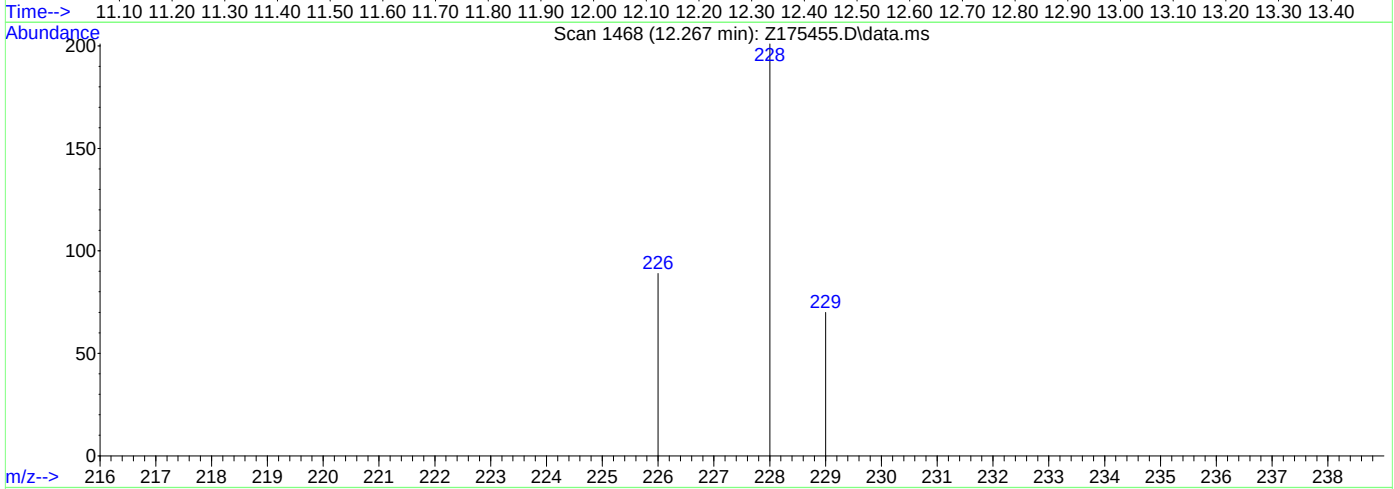
9

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175455.D
Acq On : 10 Sep 2025 1:05 pm
Operator : rocquans
Sample : ic8654-0.01
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 16:39:08 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175455.D\data.ms

(28) Chrysene (t)

12.267min (+0.017) 8.75ppb

response 378

Ion	Exp%	Act%
228.00	100	100
226.00	28.40	32.16
229.00	19.10	18.06
0.00	0.00	0.00

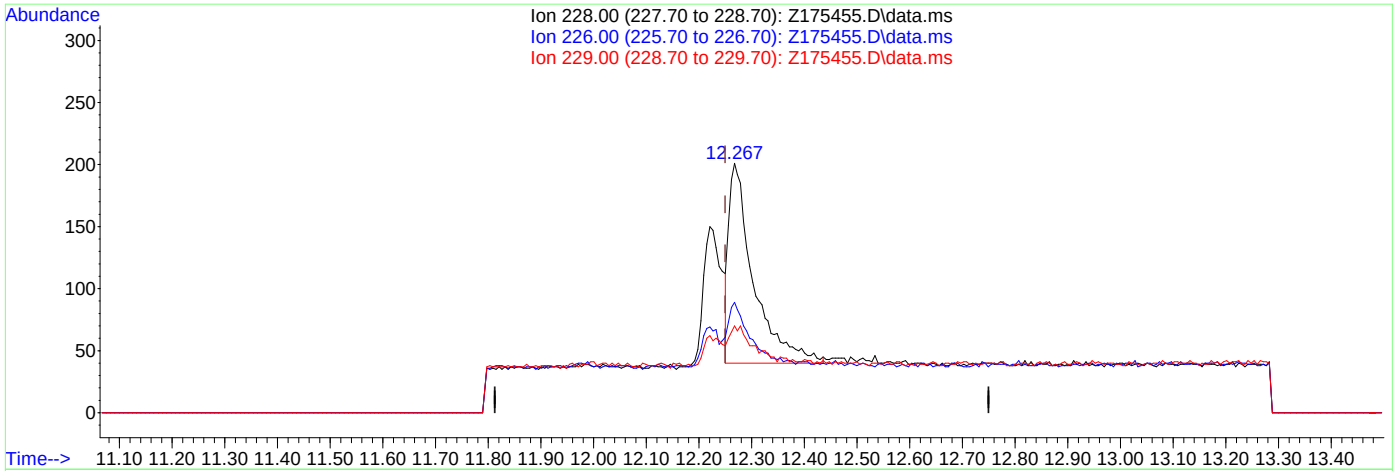
9.6.17.19

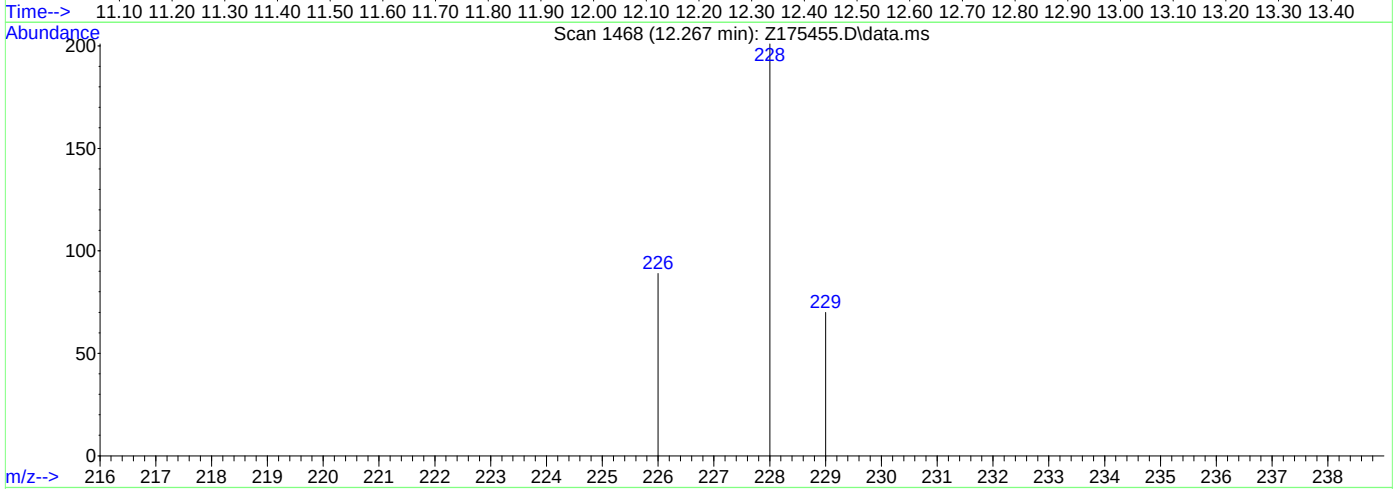
6

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175455.D
Acq On : 10 Sep 2025 1:05 pm
Operator : rocquans
Sample : ic8654-0.01
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 16:39:08 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175455.D\data.ms

(28) Chrysene (t)

12.267min (+0.017) 12.15ppb m

response 525

Ion	Exp%	Act%
228.00	100	100
226.00	28.40	44.28
229.00	19.10	34.83
0.00	0.00	0.00

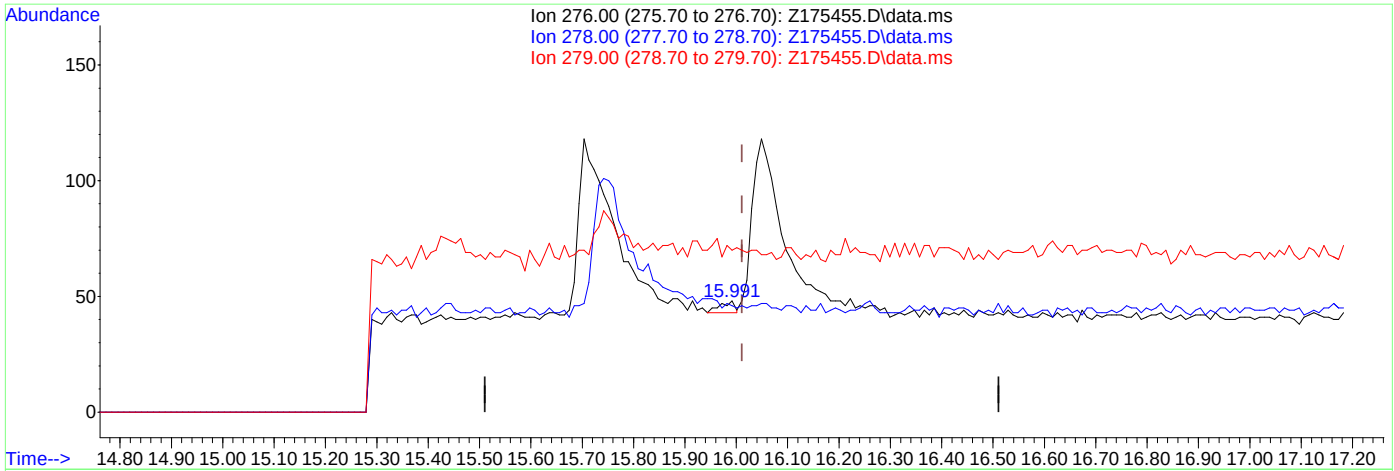
9.6.17.20

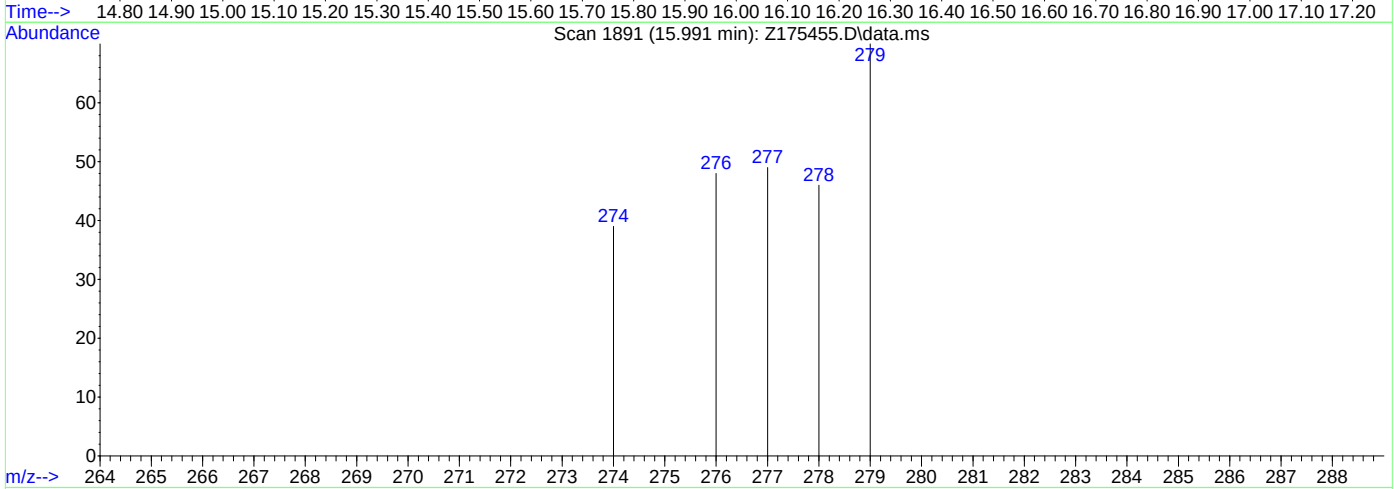
9

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175455.D
Acq On : 10 Sep 2025 1:05 pm
Operator : rocquans
Sample : ic8654-0.01
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 16:39:08 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175455.D\data.ms

(35) Benzo[g,h,i]perylene (t)

15.991min (-0.019) 0.35ppb

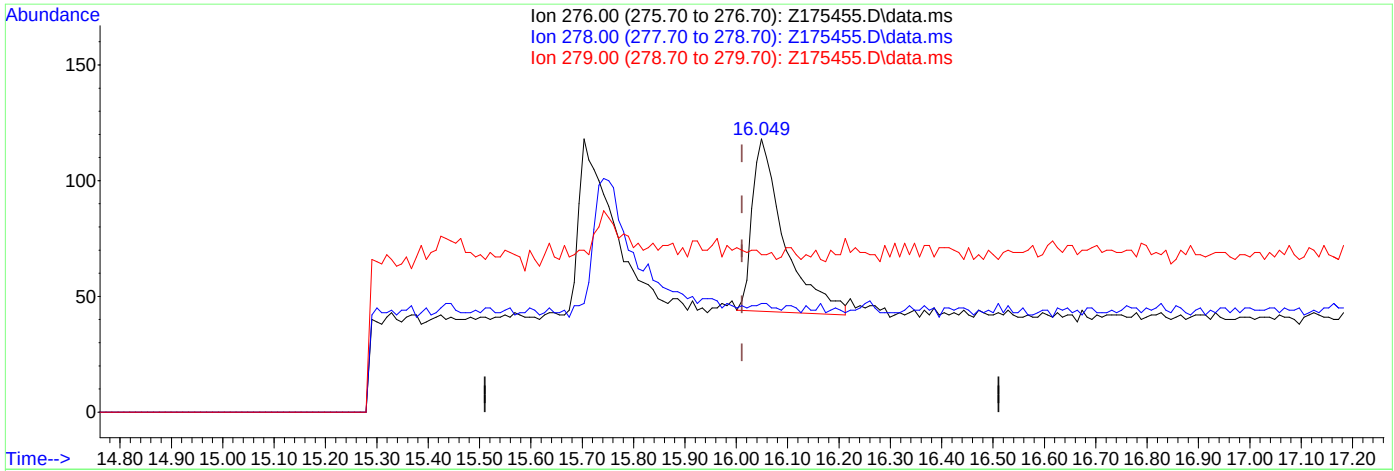
response 10

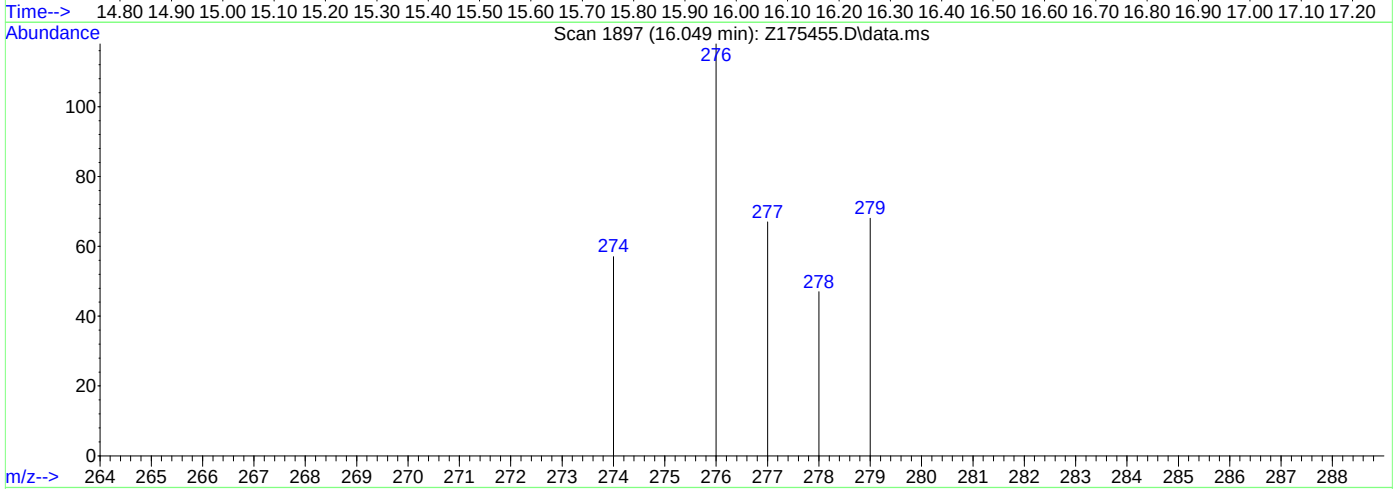
Ion	Exp%	Act%
276.00	100	100
278.00	2.80	0.00
279.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175455.D
Acq On : 10 Sep 2025 1:05 pm
Operator : rocquans
Sample : ic8654-0.01
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 16:39:08 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175455.D\data.ms

(35) Benzo[g,h,i]perylene (t)

16.049min (+0.038) 11.37ppb m

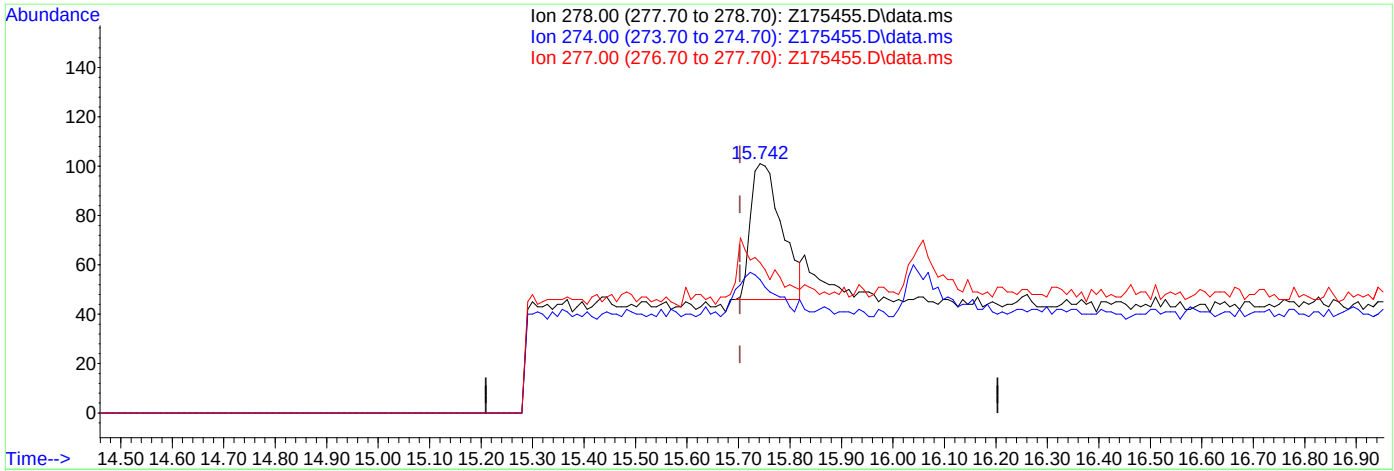
response 323

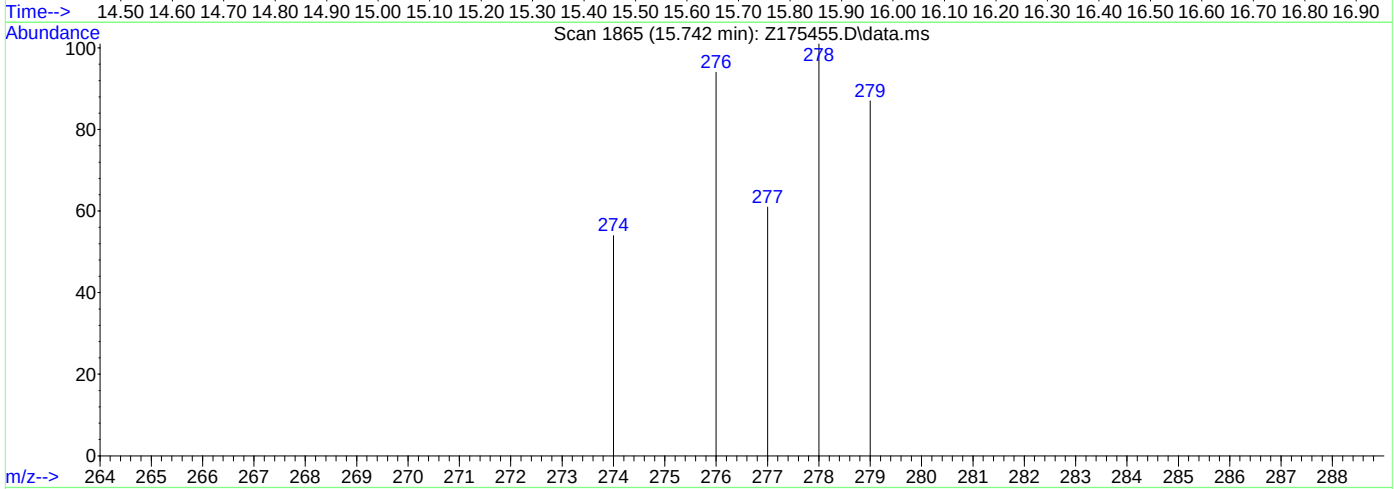
Ion	Exp%	Act%
276.00	100	100
278.00	2.80	39.83#
279.00	0.00	57.63#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175455.D
Acq On : 10 Sep 2025 1:05 pm
Operator : rocquans
Sample : ic8654-0.01
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 16:39:08 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175455.D\data.ms

(34) Dibenz[a,h]anthracene (t)

15.742min (+0.038) 8.60ppb

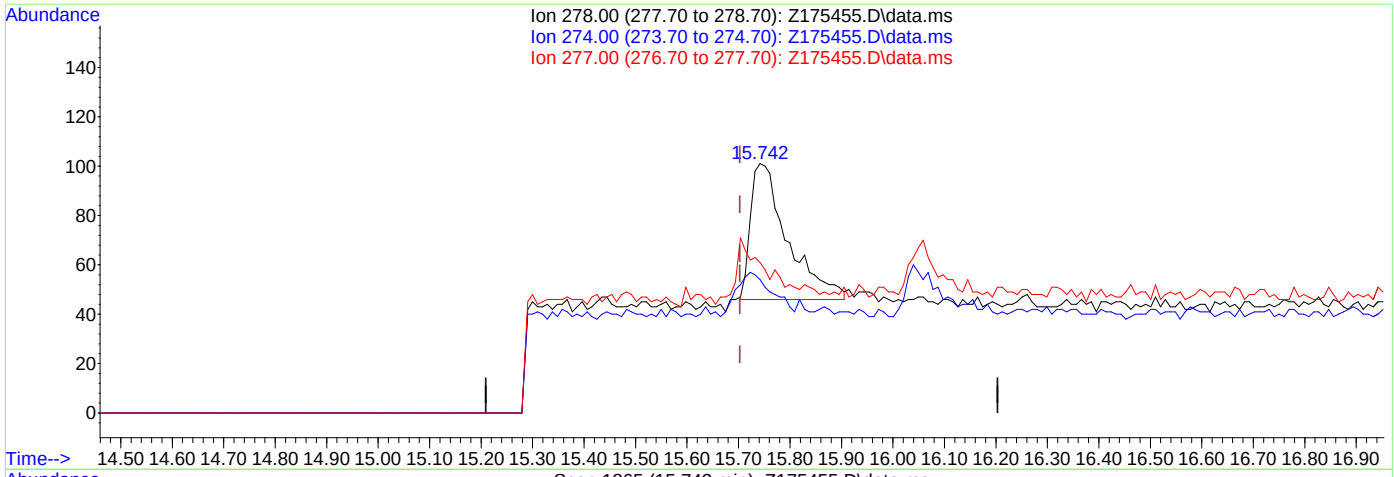
response 232

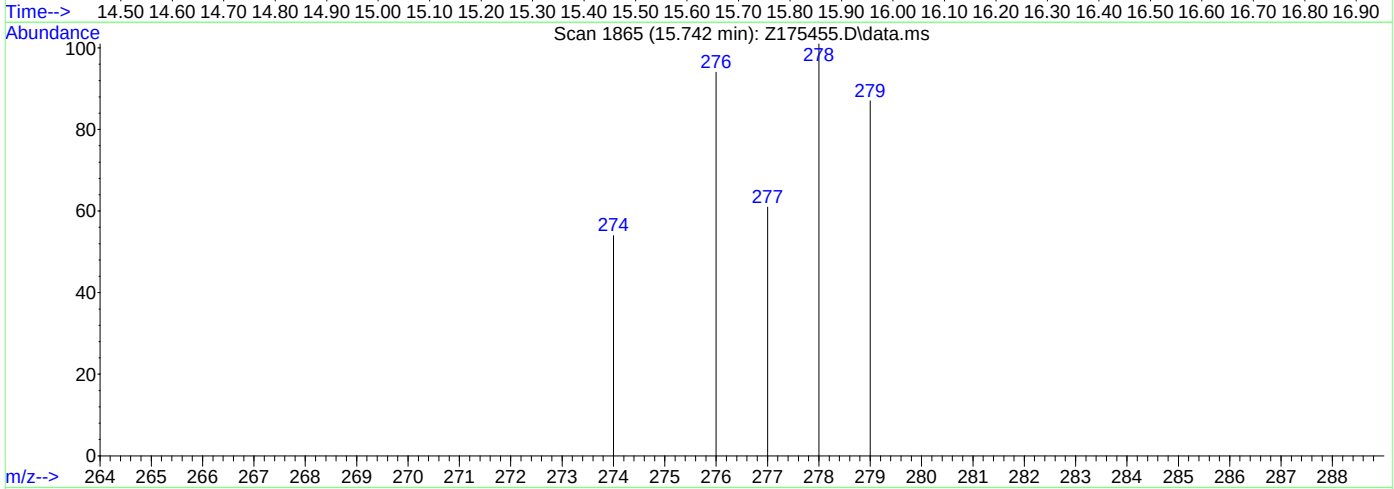
Ion	Exp%	Act%
278.00	100	100
274.00	14.00	12.63
277.00	16.50	20.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175455.D
Acq On : 10 Sep 2025 1:05 pm
Operator : rocquans
Sample : ic8654-0.01
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 16:39:08 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175455.D\data.ms

(34) Dibenz[a,h]anthracene (t)

15.742min (+0.038) 10.15ppb m

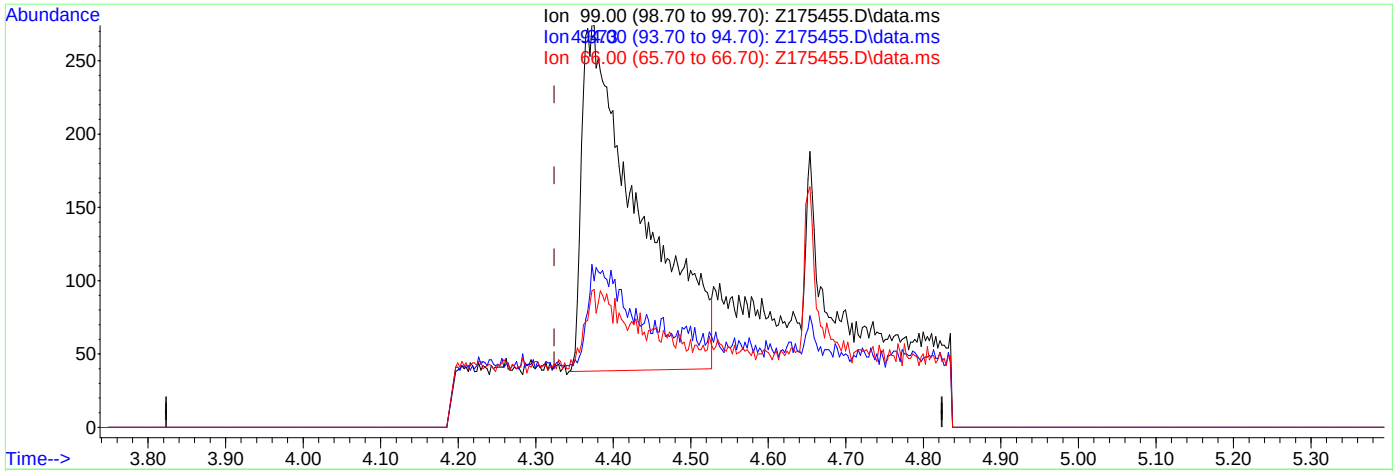
response 274

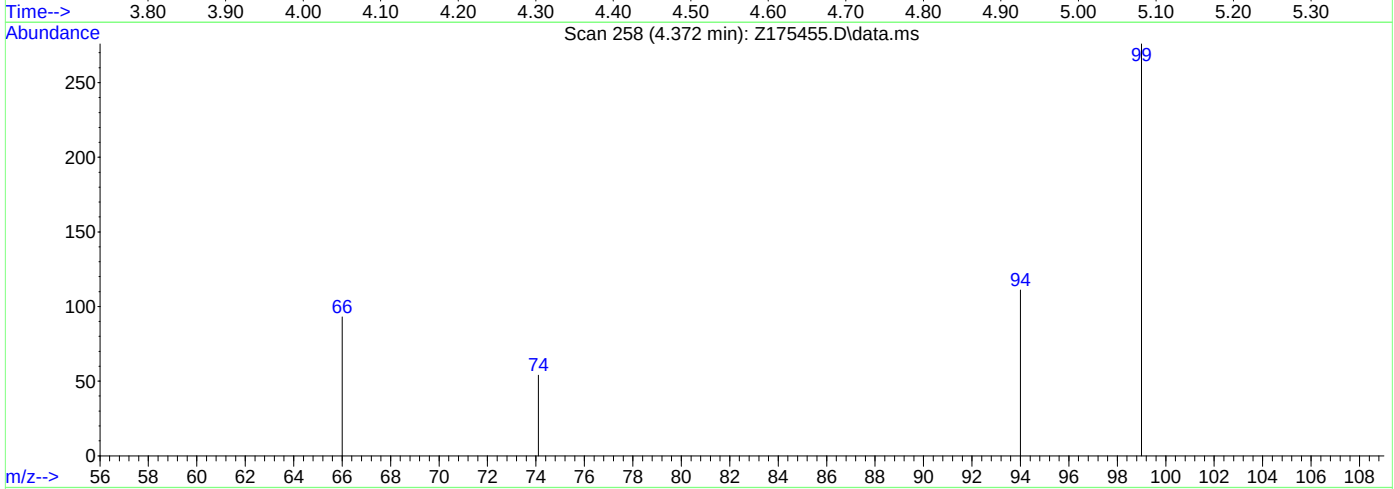
Ion	Exp%	Act%
278.00	100	100
274.00	14.00	53.47#
277.00	16.50	60.40#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175455.D
Acq On : 10 Sep 2025 1:05 pm
Operator : rocquans
Sample : ic8654-0.01
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 16:43:55 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175455.D\data.ms

(4) Phenol-d5 (S)

4.372min (+0.049) 143.89ppb m

response 1220

Ion	Exp%	Act%
99.00	100	100
94.00	0.40	40.22#
66.00	7.40	33.70
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
09/15/25 15:51

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175456.D
Acq On : 10 Sep 2025 1:29 pm
Operator : rocquans
Sample : ic8654-0.02
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 16:38:38 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	6.017	150	10064	800.00	ppb	0.00
12) Fluorene-d10	7.313	176	13198	800.00	ppb	0.01
19) Fluoranthene-d10	10.000	212	23004	800.00	ppb	0.00
29) Benzo(a)pyrene-d12	14.197	264	16137	800.00	ppb	0.00
36) 1-Methylnaphthalene-d10a	6.017	150	10064	800.00	ppb	#-0.07
System Monitoring Compounds						
3) 2-Fluorophenol	3.644	112	2759	360.82	ppb	0.02
Spiked Amount 10000.000			Recovery =	3.61%		
4) Phenol-d5	4.356	99	3157m	377.52	ppb	0.03
Spiked Amount 10000.000			Recovery =	3.78%		
6) Nitrobenzene-d5	4.968	82	2828	304.55	ppb	0.03
Spiked Amount 10000.000			Recovery =	3.05%		
13) 2-Fluorobiphenyl	6.256	172	8324	426.06	ppb	0.01
Spiked Amount 10000.000			Recovery =	4.26%		
18) 2,4,6-Tribromophenol	7.616	330	1038	297.74	ppb	0.03
Spiked Amount 10000.000			Recovery =	2.98%		
26) Terphenyl-d14	10.632	244	8227	401.68	ppb	0.02
Spiked Amount 10000.000			Recovery =	4.02%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.241	88	71m	17.41	ppb	
5) Phenol	4.362	94	754m	88.94	ppb	
7) Naphthalene	5.490	128	546m	18.98	ppb	
8) Hexachlorobutadiene	5.550	225	138	18.08	ppb	88
9) 2-Methylnaphthalene	5.982	141	244m	13.67	ppb	
10) 1-Methylnaphthalene	6.047	141	378	20.70	ppb	92
14) Acenaphthylene	6.704	152	521m	18.45	ppb	
15) Acenaphthene	6.849	153	366m	18.42	ppb	
16) Fluorene	7.334	166	367m	16.03	ppb	
17) 4,6-dinitro-2-methylph...	7.480	198	45	25.92	ppb #	39
20) Hexachlorobenzene	7.930	284	145	17.48	ppb	93
21) Pentachlorophenol	8.212	266	168	61.24	ppb	92
22) Phenanthrene	8.435	178	511	17.56	ppb	88
23) Anthracene	8.513	178	696m	19.26	ppb	
24) Fluoranthene	10.025	202	730	21.07	ppb	97
25) Pyrene	10.353	202	700	19.19	ppb	94
27) Benzo[a]anthracene	12.221	228	392	16.96	ppb	95
28) Chrysene	12.267	228	795	20.03	ppb	95
30) Benzo[b]fluoranthene	13.783	252	493	22.07	ppb	95
31) Benzo[k]fluoranthene	13.829	252	682	19.34	ppb	95
32) Benzo[a]pyrene	14.220	252	579	21.48	ppb	97
33) Indeno[1,2,3-cd]pyrene	15.713	276	653	21.41	ppb	96
34) Dibenz[a,h]anthracene	15.732	278	496	19.64	ppb	98
35) Benzo[g,h,i]perylene	16.040	276	507	19.06	ppb	97

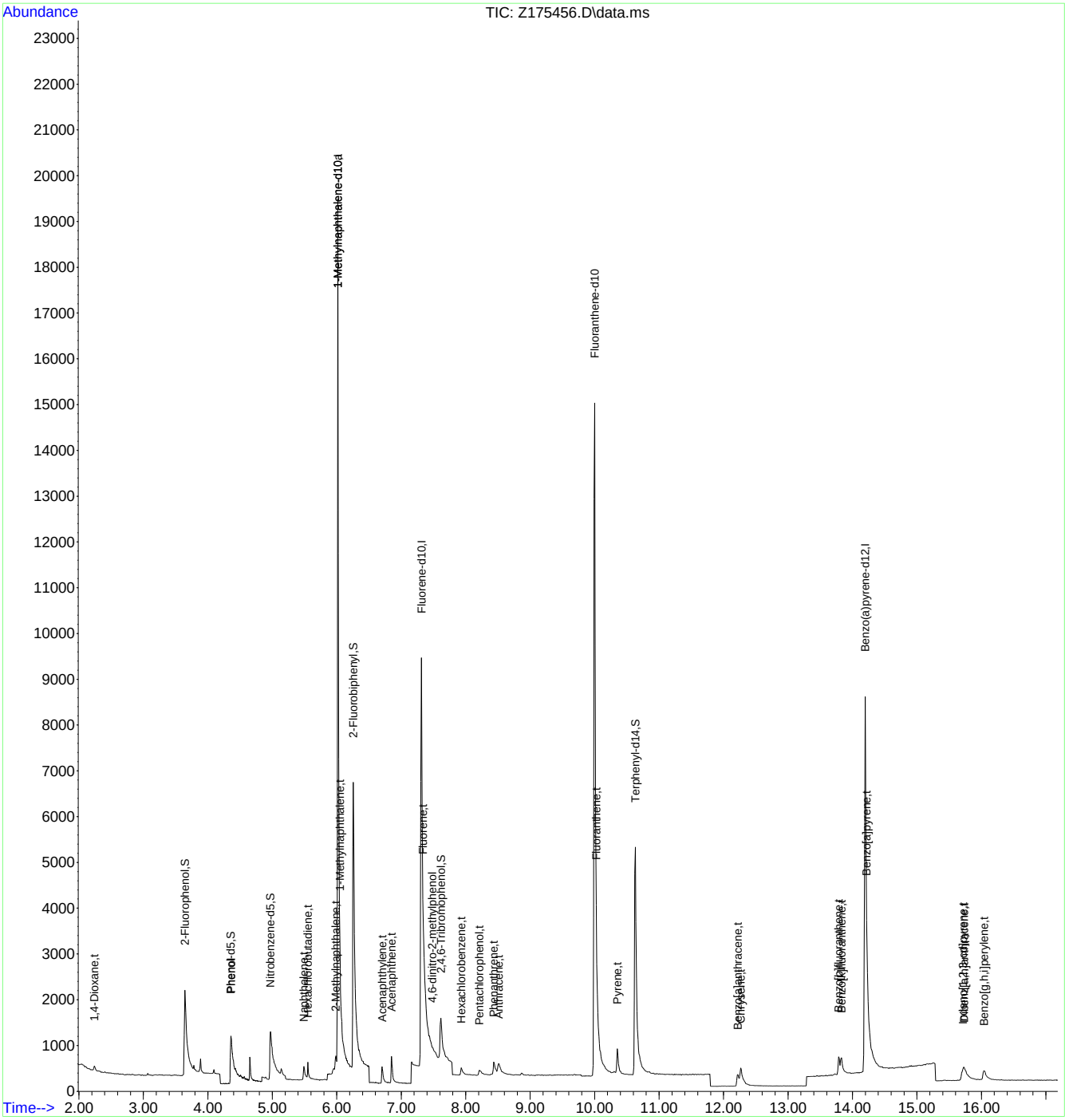
(#) = qualifier out of range (m) = manual integration (+) = signals summed

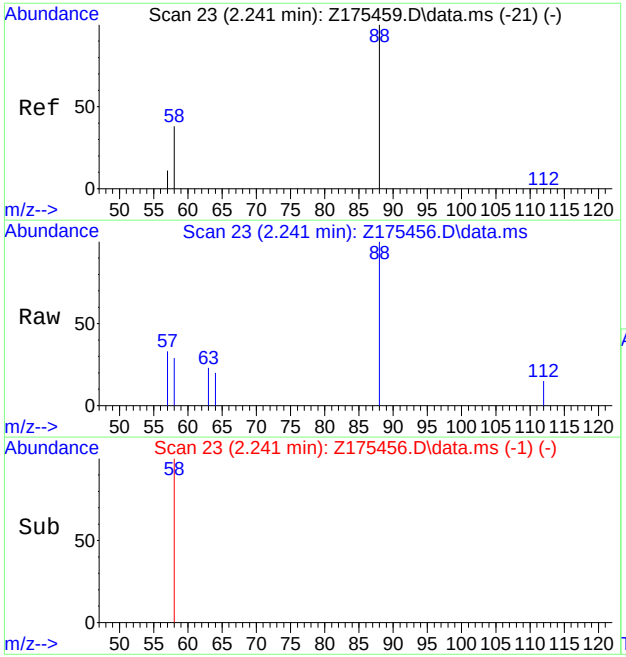
9.6.18
6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175456.D
Acq On : 10 Sep 2025 1:29 pm
Operator : rocquans
Sample : ic8654-0.02
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 16:38:38 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration

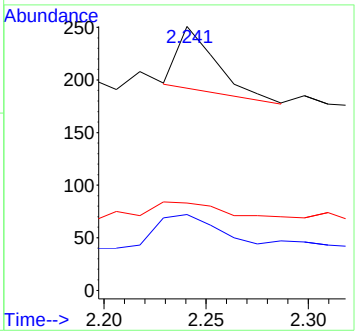


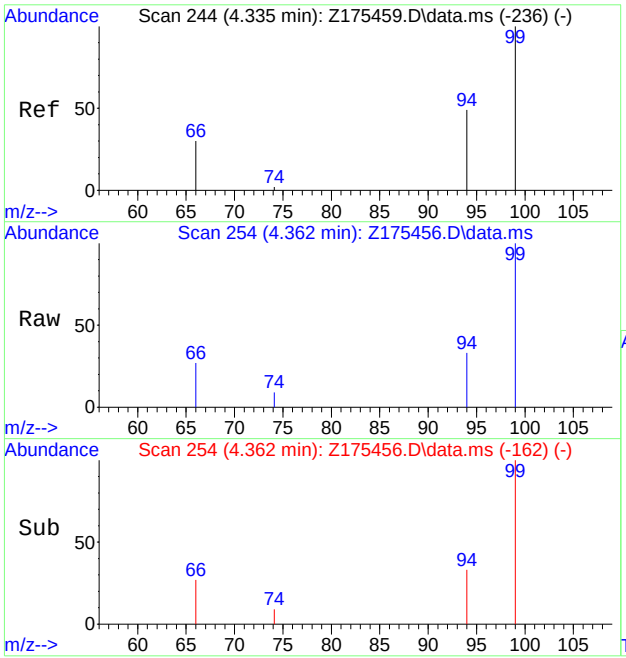


#2
1,4-Dioxane
Concen: 17.41 ppb m
RT: 2.241 min Scan# 23
Delta R.T. 0.000 min
Lab File: Z175456.D
Acq: 10 Sep 2025 1:29 pm

Tgt Ion: 88 Resp: 71

Ion	Ratio	Lower	Upper
88	100		
58	28.7	15.6	55.6
57	33.1	0.0	40.0

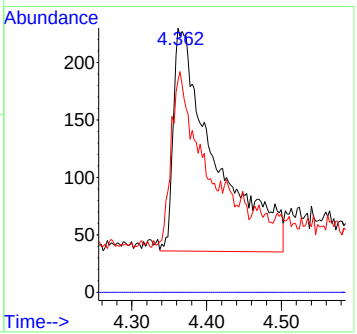


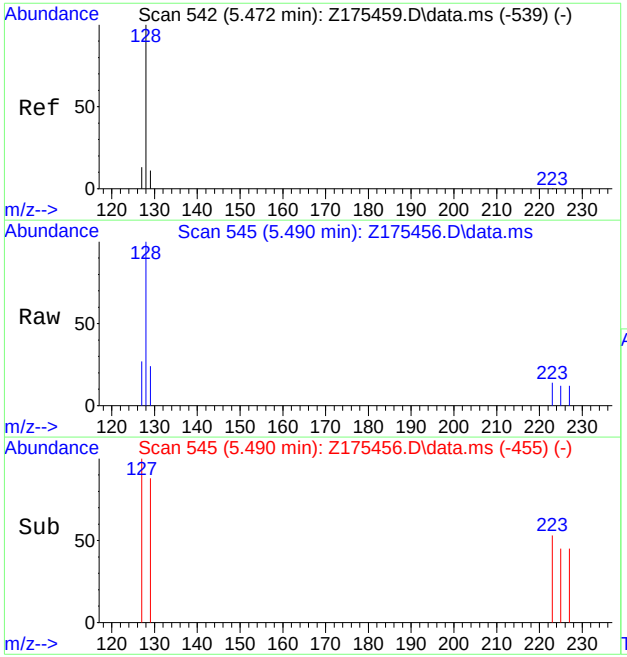


#5
Phenol
Concen: 88.94 ppb m
RT: 4.362 min Scan# 254
Delta R.T. 0.027 min
Lab File: Z175456.D
Acq: 10 Sep 2025 1:29 pm

Tgt Ion: 94 Resp: 754

Ion	Ratio	Lower	Upper
94	100		
65	0.0	0.0	0.0
66	80.0	49.8	74.8#

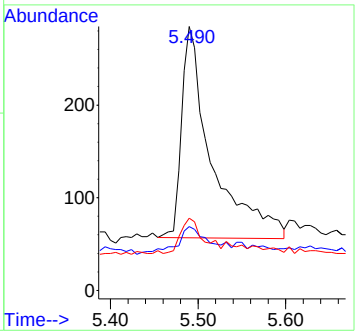


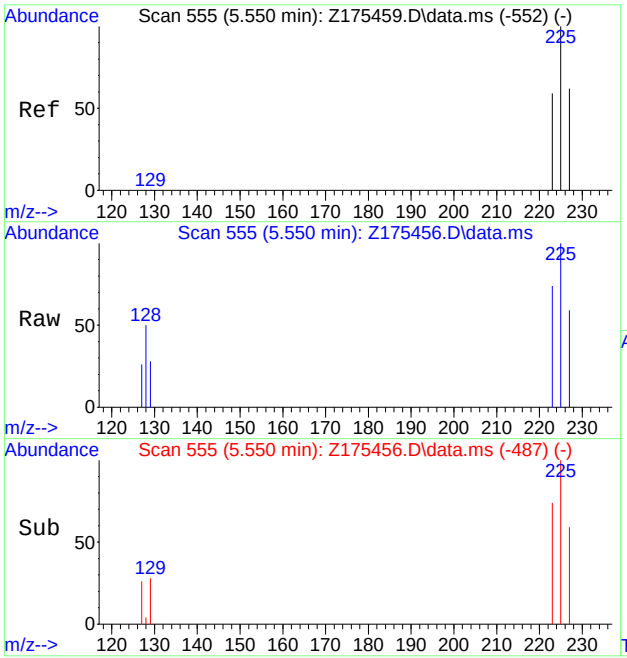


#7
Naphthalene
Concen: 18.98 ppb m
RT: 5.490 min Scan# 545
Delta R.T. 0.018 min
Lab File: Z175456.D
Acq: 10 Sep 2025 1:29 pm

Tgt Ion:128 Resp: 546

Ion	Ratio	Lower	Upper
128	100		
129	24.2	0.0	40.6
127	27.4	0.0	43.3

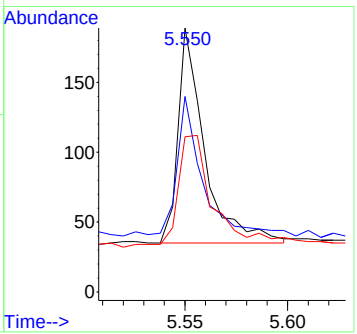




#8
Hexachlorobutadiene
Concen: 18.08 ppb
RT: 5.550 min Scan# 555
Delta R.T. 0.000 min
Lab File: Z175456.D
Acq: 10 Sep 2025 1:29 pm

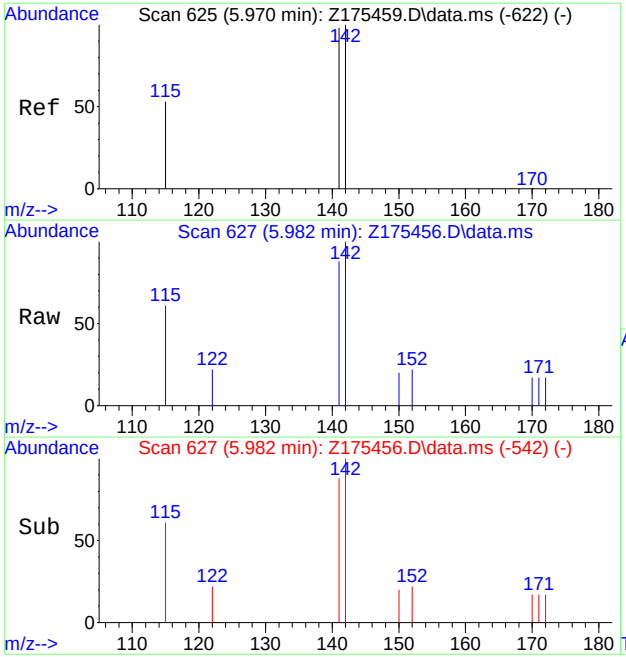
Tgt Ion:225 Resp: 138

Ion	Ratio	Lower	Upper
225	100		
223	63.6	29.0	89.0
227	48.9	32.1	92.1



9.6.18

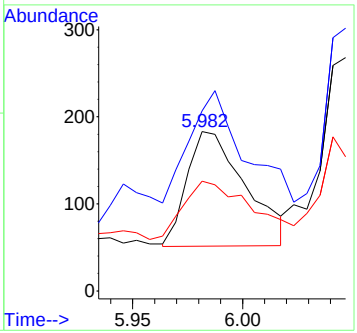
6

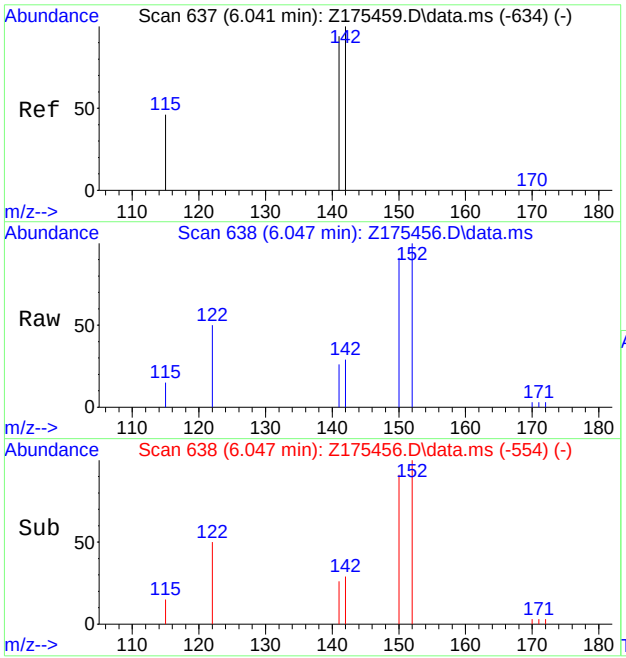


#9
2-Methylnaphthalene
Concen: 13.67 ppb m
RT: 5.982 min Scan# 627
Delta R.T. 0.012 min
Lab File: Z175456.D
Acq: 10 Sep 2025 1:29 pm

Tgt Ion:141 Resp: 244

Ion	Ratio	Lower	Upper
141	100		
142	113.1	77.1	137.1
115	68.9	24.3	84.3

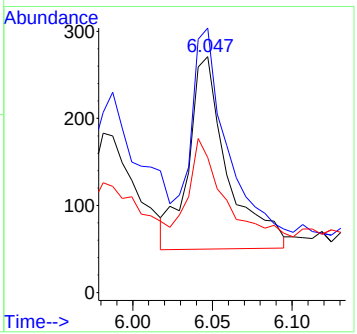


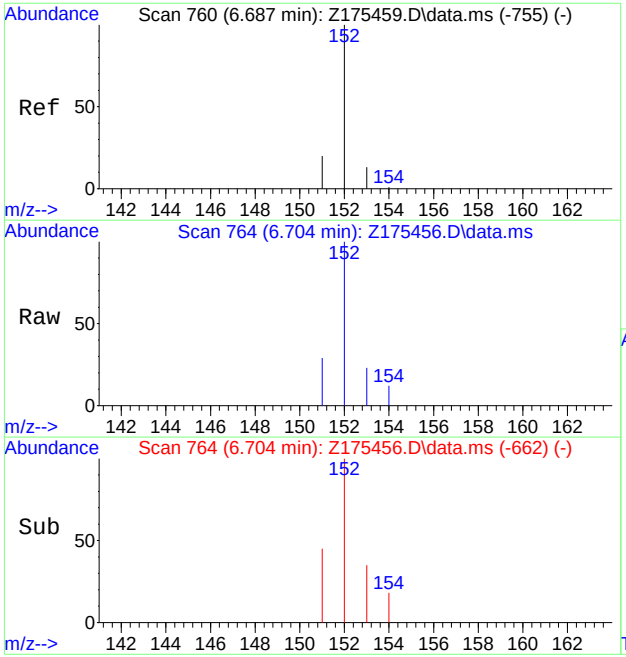


#10
1-Methylnaphthalene
Concen: 20.70 ppb
RT: 6.047 min Scan# 638
Delta R.T. 0.006 min
Lab File: Z175456.D
Acq: 10 Sep 2025 1:29 pm

Tgt Ion:141 Resp: 378

Ion	Ratio	Lower	Upper
141	100		
142	100.8	77.6	137.6
115	40.8	19.1	79.1

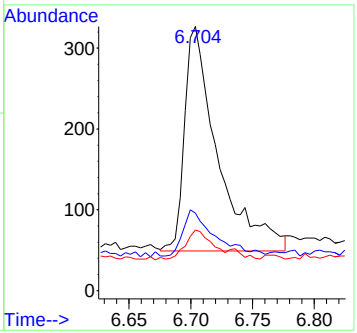


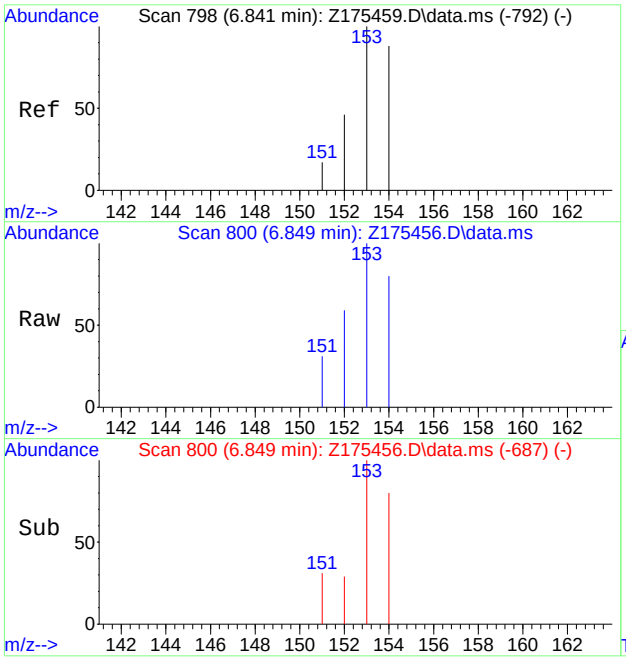


#14
Acenaphthylene
Concen: 18.45 ppb m
RT: 6.704 min Scan# 764
Delta R.T. 0.016 min
Lab File: Z175456.D
Acq: 10 Sep 2025 1:29 pm

Tgt Ion:152 Resp: 521

Ion	Ratio	Lower	Upper
152	100		
151	29.4	0.0	50.1
153	22.9	0.0	42.6

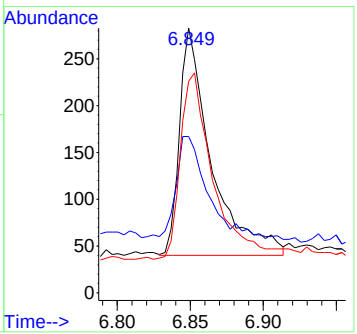


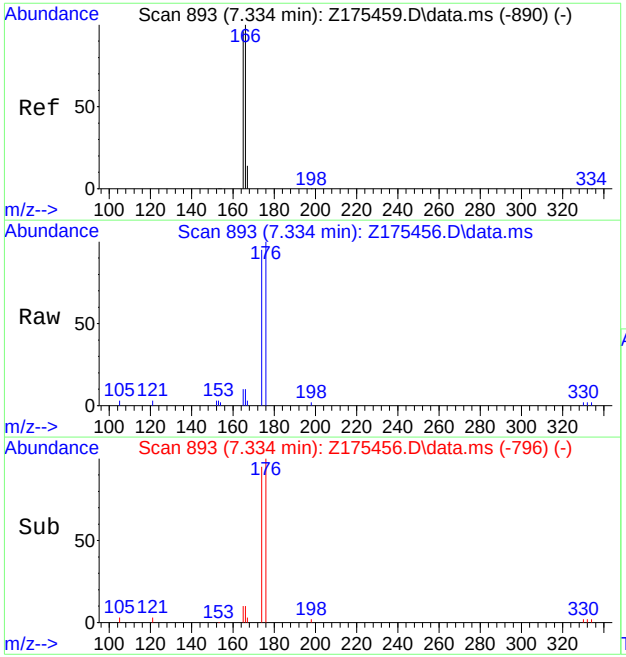


#15
Acenaphthene
Concen: 18.42 ppb m
RT: 6.849 min Scan# 800
Delta R.T. 0.008 min
Lab File: Z175456.D
Acq: 10 Sep 2025 1:29 pm

Tgt Ion:153 Resp: 366

Ion	Ratio	Lower	Upper
153	100		
152	59.0	16.6	76.6
154	79.9	57.9	117.9

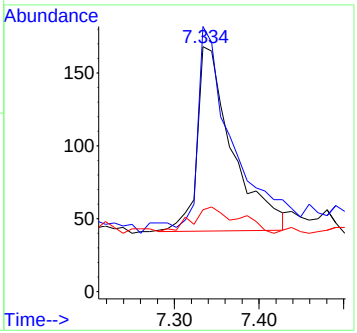


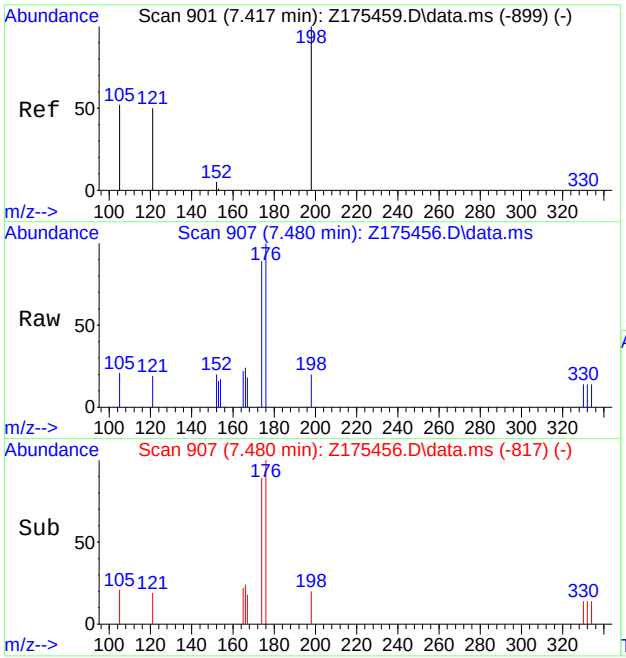


#16
Fluorene
Concen: 16.03 ppb m
RT: 7.334 min Scan# 893
Delta R.T. 0.000 min
Lab File: Z175456.D
Acq: 10 Sep 2025 1:29 pm

Tgt Ion:166 Resp: 367

Ion	Ratio	Lower	Upper
166	100		
165	108.3	65.8	125.8
167	33.3	0.0	43.5

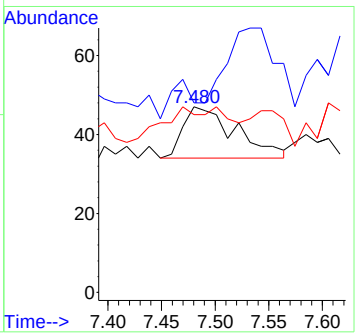


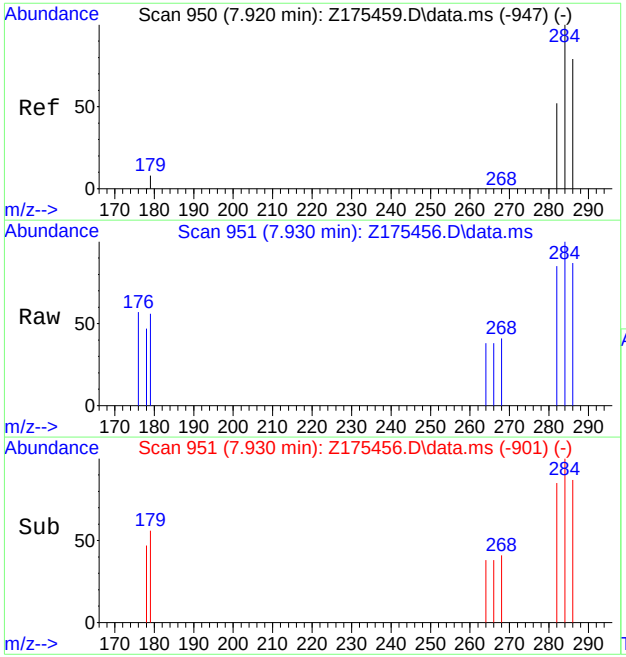


#17
4,6-dinitro-2-methylphenol
Concen: 25.92 ppb
RT: 7.480 min Scan# 907
Delta R.T. 0.063 min
Lab File: Z175456.D
Acq: 10 Sep 2025 1:29 pm

Tgt Ion:198 Resp: 45

Ion	Ratio	Lower	Upper
198	100		
105	0.0	25.6	65.6#
121	12.5	29.8	69.8#

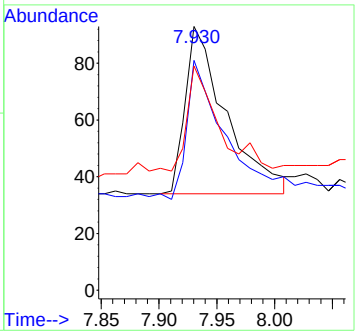


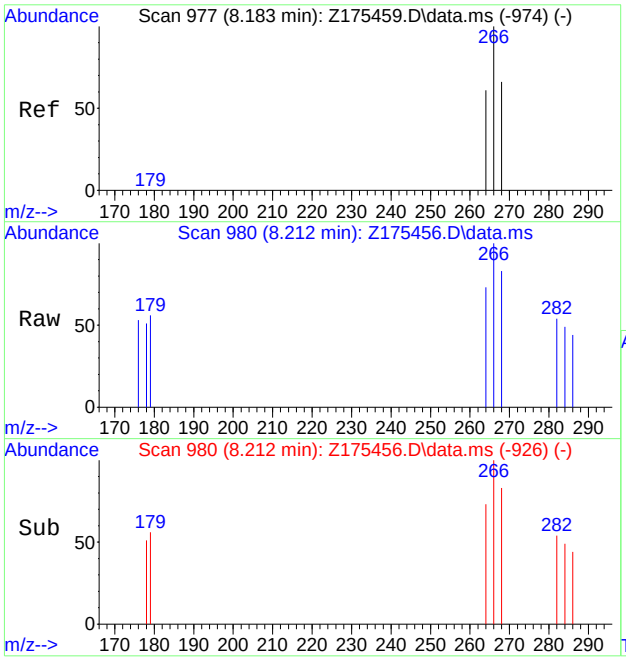


#20
Hexachlorobenzene
Concen: 17.48 ppb
RT: 7.930 min Scan# 951
Delta R.T. 0.010 min
Lab File: Z175456.D
Acq: 10 Sep 2025 1:29 pm

Tgt Ion:284 Resp: 145

Ion	Ratio	Lower	Upper
284	100		
286	78.6	48.9	108.9
282	63.4	22.1	82.1

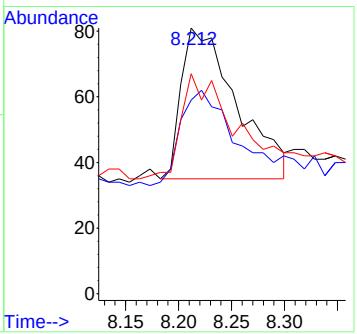


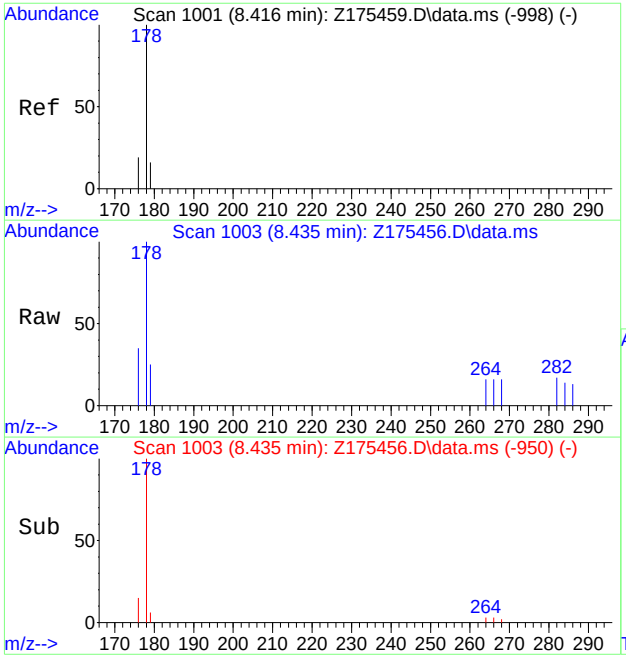


#21
Pentachlorophenol
Concen: 61.24 ppb
RT: 8.212 min Scan# 980
Delta R.T. 0.029 min
Lab File: Z175456.D
Acq: 10 Sep 2025 1:29 pm

Tgt Ion:266 Resp: 168

Ion	Ratio	Lower	Upper
266	100		
264	50.0	30.8	90.8
268	64.3	36.3	96.3

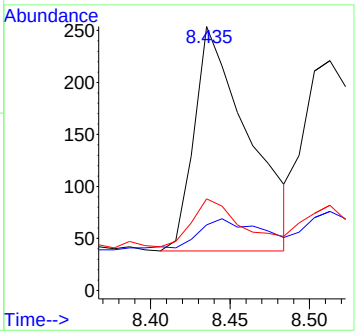


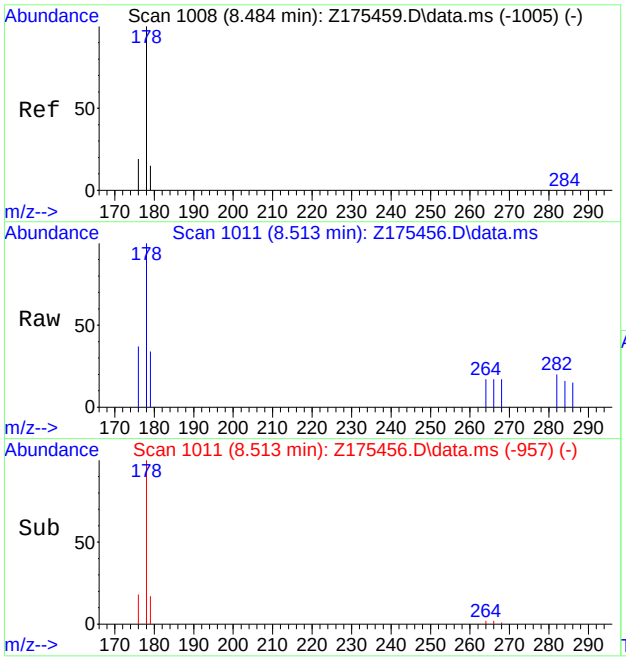


#22
Phenanthrene
Concen: 17.56 ppb
RT: 8.435 min Scan# 1003
Delta R.T. 0.020 min
Lab File: Z175456.D
Acq: 10 Sep 2025 1:29 pm

Tgt Ion:178 Resp: 511

Ion	Ratio	Lower	Upper
178	100		
179	9.0	0.0	45.6
176	22.3	0.0	48.6

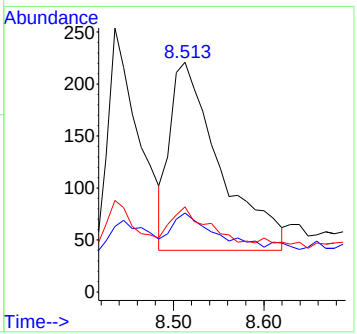


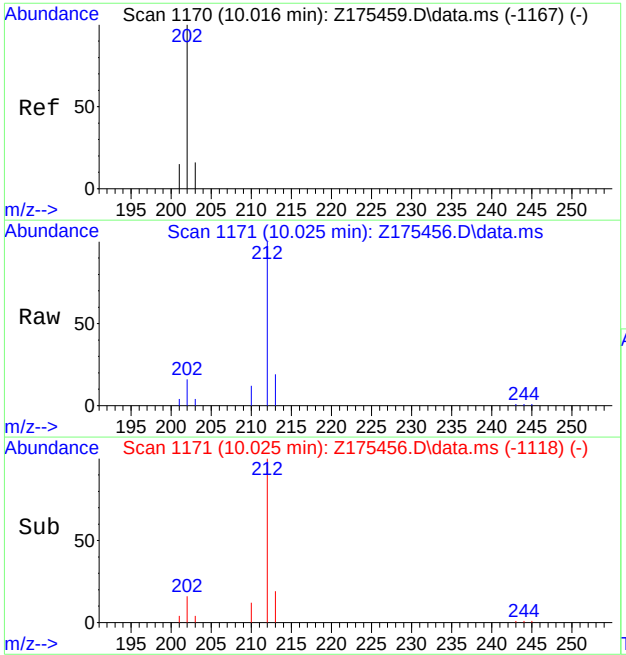


#23
Anthracene
Concen: 19.26 ppb m
RT: 8.513 min Scan# 1011
Delta R.T. 0.029 min
Lab File: Z175456.D
Acq: 10 Sep 2025 1:29 pm

Tgt Ion:178 Resp: 696

Ion	Ratio	Lower	Upper
178	100		
179	34.4	0.0	44.8
176	37.1	0.0	48.7

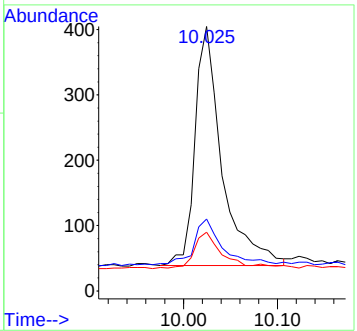


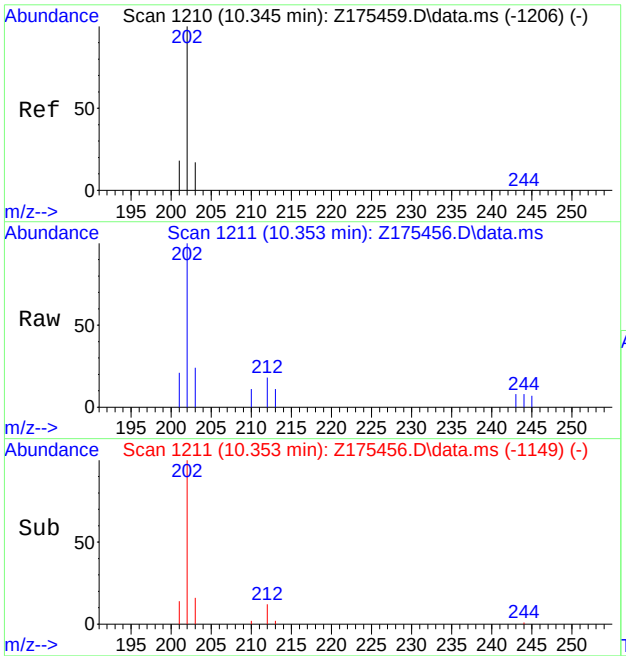


#24
Fluoranthene
Concen: 21.07 ppb
RT: 10.025 min Scan# 1171
Delta R.T. 0.008 min
Lab File: Z175456.D
Acq: 10 Sep 2025 1:29 pm

Tgt Ion:202 Resp: 730

Ion	Ratio	Lower	Upper
202	100		
203	18.6	0.0	46.4
201	14.5	0.0	45.1

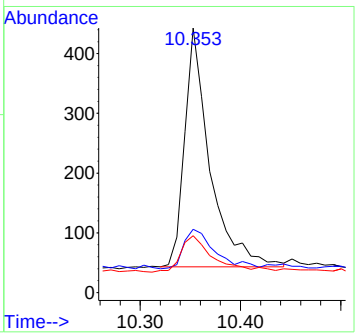


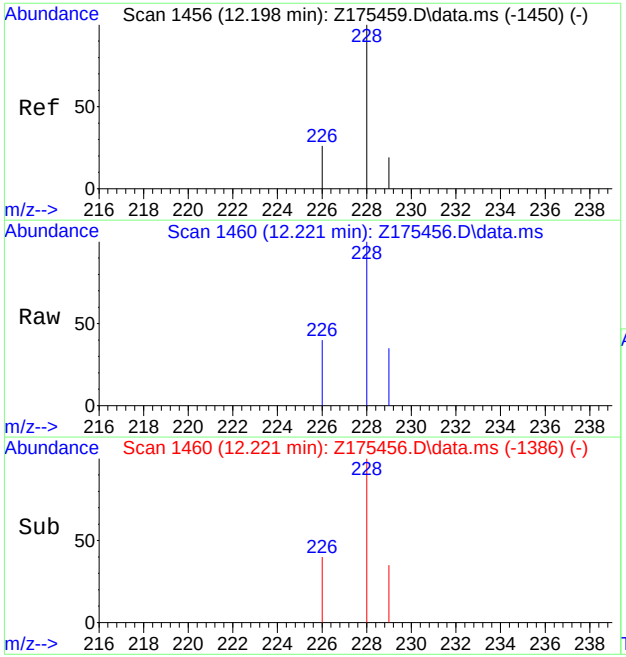


#25
Pyrene
Concen: 19.19 ppb
RT: 10.353 min Scan# 1211
Delta R.T. 0.008 min
Lab File: Z175456.D
Acq: 10 Sep 2025 1:29 pm

Tgt Ion:202 Resp: 700

Ion	Ratio	Lower	Upper
202	100		
203	15.6	0.0	47.4
201	14.2	0.0	47.8

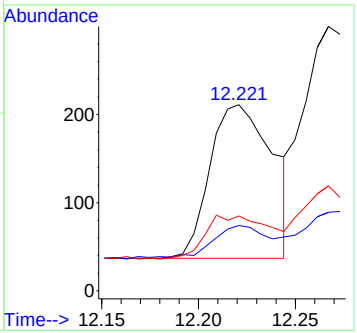


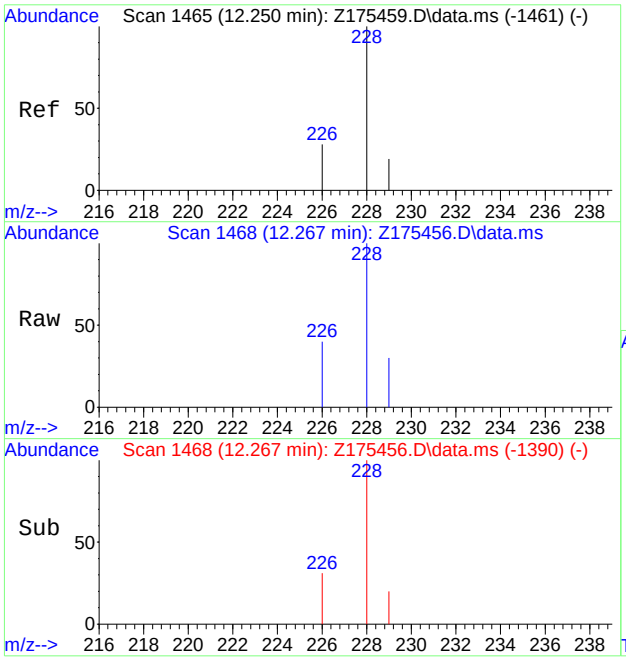


#27
Benzo[a]anthracene
Concen: 16.96 ppb
RT: 12.221 min Scan# 1460
Delta R.T. 0.023 min
Lab File: Z175456.D
Acq: 10 Sep 2025 1:29 pm

Tgt Ion:228 Resp: 392

Ion	Ratio	Lower	Upper
228	100		
229	20.6	0.0	49.3
226	28.8	0.0	55.6

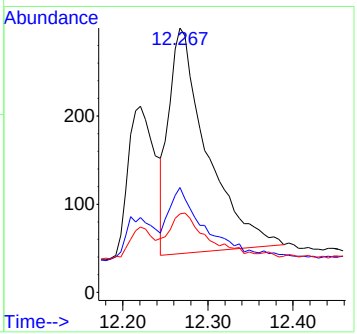


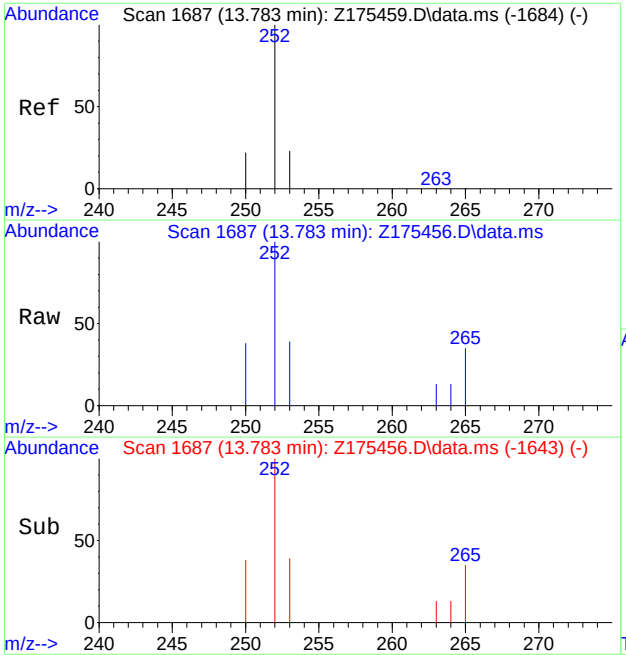


#28
Chrysene
Concen: 20.03 ppb
RT: 12.267 min Scan# 1468
Delta R.T. 0.017 min
Lab File: Z175456.D
Acq: 10 Sep 2025 1:29 pm

Tgt Ion:228 Resp: 795

Ion	Ratio	Lower	Upper
228	100		
226	32.5	0.0	58.4
229	19.3	0.0	49.1

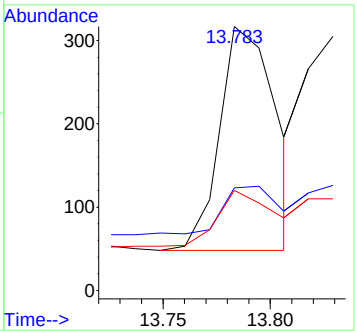


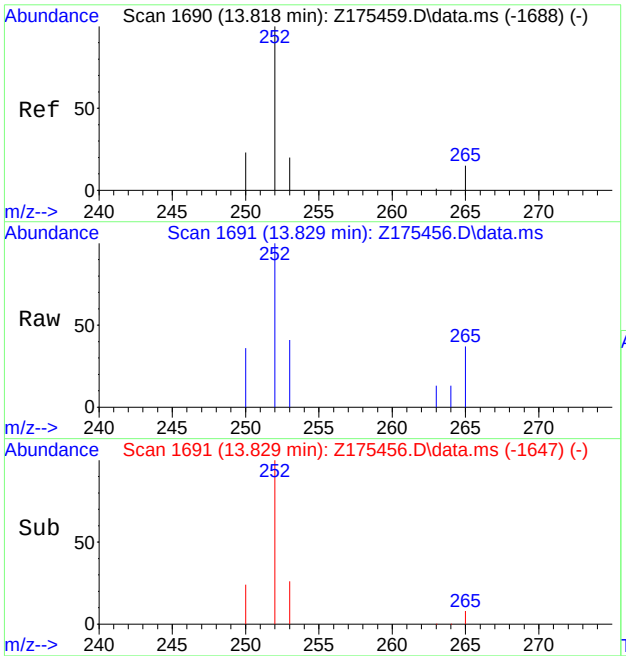


#30
Benzo[b]fluoranthene
Concen: 22.07 ppb
RT: 13.783 min Scan# 1687
Delta R.T. 0.000 min
Lab File: Z175456.D
Acq: 10 Sep 2025 1:29 pm

Tgt Ion:252 Resp: 493

Ion	Ratio	Lower	Upper
252	100		
253	20.4	0.0	52.6
250	24.9	0.0	51.9

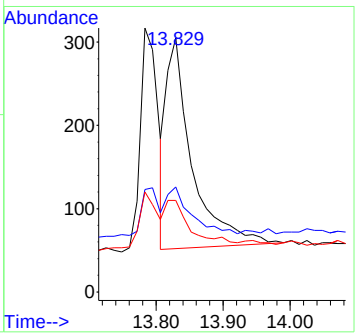


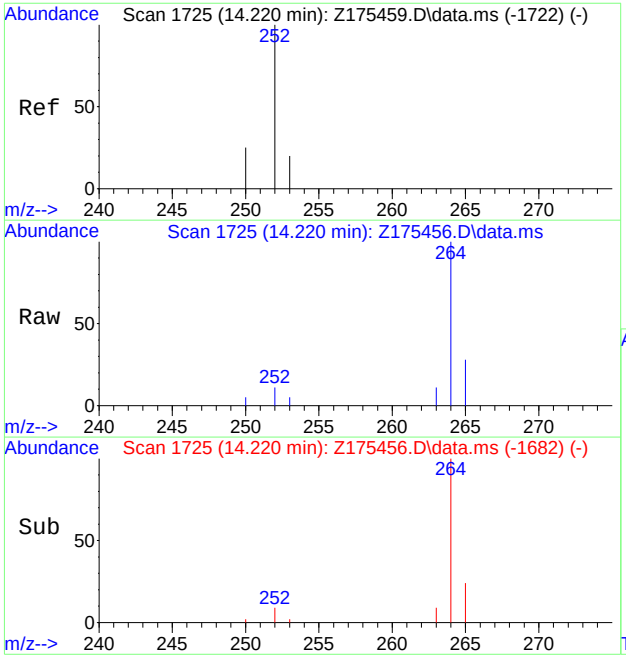


#31
Benzo[k]fluoranthene
Concen: 19.34 ppb
RT: 13.829 min Scan# 1691
Delta R.T. 0.012 min
Lab File: Z175456.D
Acq: 10 Sep 2025 1:29 pm

Tgt Ion:252 Resp: 682

Ion	Ratio	Lower	Upper
252	100		
253	23.2	0.0	51.0
250	20.2	0.0	53.1

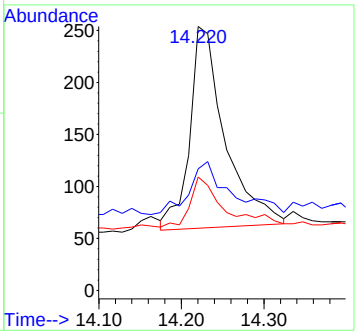


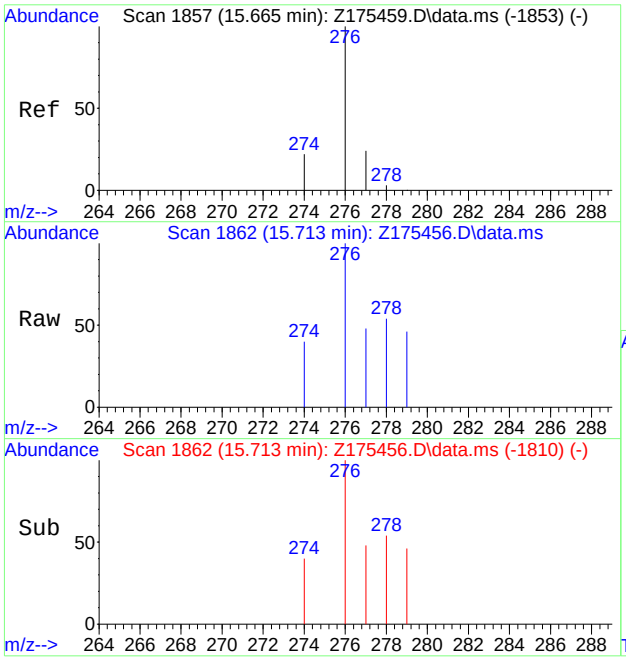


#32
Benzo[a]pyrene
Concen: 21.48 ppb
RT: 14.220 min Scan# 1725
Delta R.T. 0.000 min
Lab File: Z175456.D
Acq: 10 Sep 2025 1:29 pm

Tgt Ion:252 Resp: 579

Ion	Ratio	Lower	Upper
252	100		
253	22.6	0.0	50.2
250	25.0	0.0	54.3

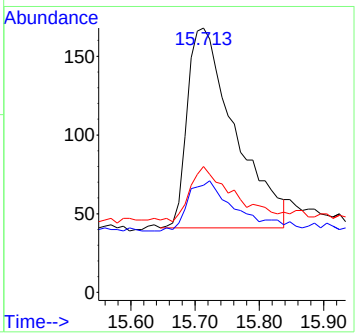


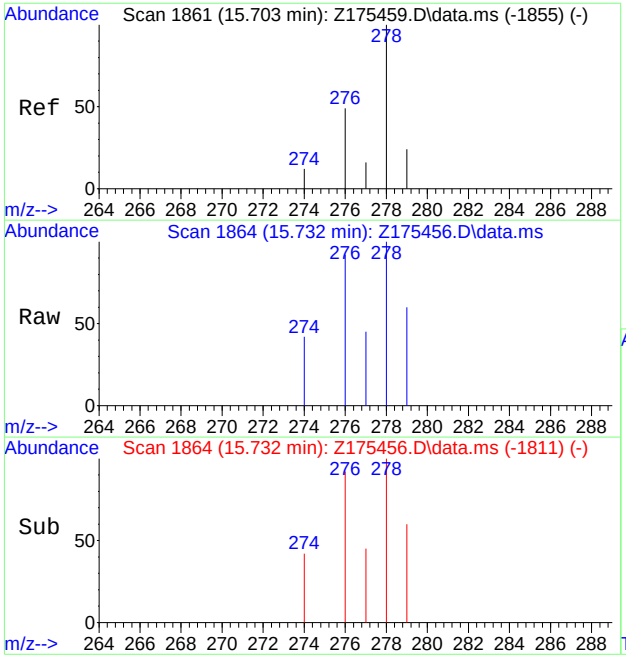


#33
Indeno[1,2,3-cd]pyrene
Concen: 21.41 ppb
RT: 15.713 min Scan# 1862
Delta R.T. 0.048 min
Lab File: Z175456.D
Acq: 10 Sep 2025 1:29 pm

Tgt Ion:276 Resp: 653

Ion	Ratio	Lower	Upper
276	100		
274	22.9	0.0	51.7
277	26.7	0.0	53.6

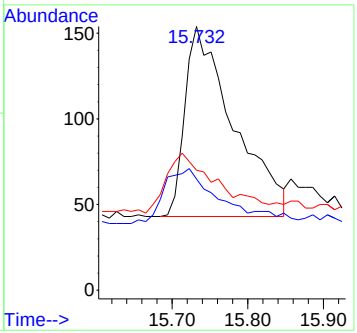


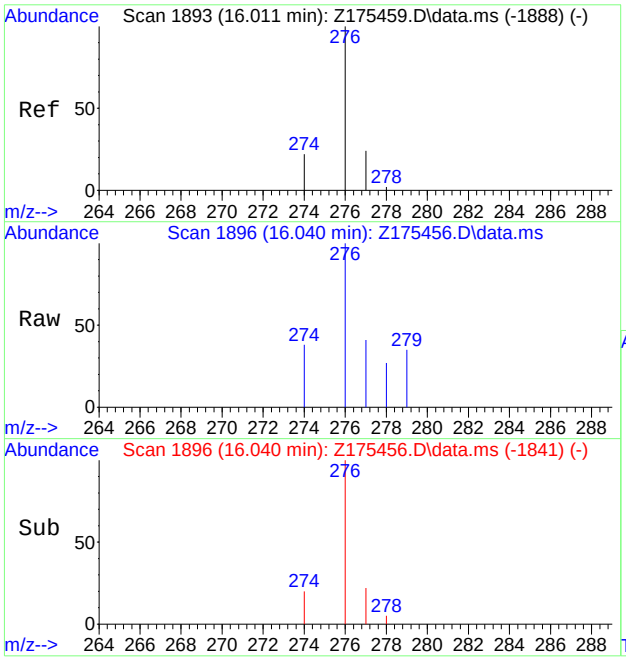


#34
Dibenz[a,h]anthracene
Concen: 19.64 ppb
RT: 15.732 min Scan# 1864
Delta R.T. 0.029 min
Lab File: Z175456.D
Acq: 10 Sep 2025 1:29 pm

Tgt Ion:278 Resp: 496

Ion	Ratio	Lower	Upper
278	100		
274	15.5	0.0	44.0
277	16.5	0.0	46.5

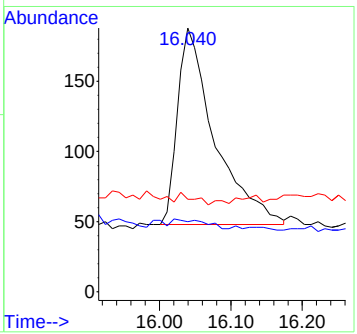




#35
Benzo[g,h,i]perylene
Concen: 19.06 ppb
RT: 16.040 min Scan# 1896
Delta R.T. 0.029 min
Lab File: Z175456.D
Acq: 10 Sep 2025 1:29 pm

Tgt Ion:276 Resp: 507

Ion	Ratio	Lower	Upper
276	100		
278	1.8	0.0	32.8
279	0.0	0.0	30.0



Manual Integration Approval Summary

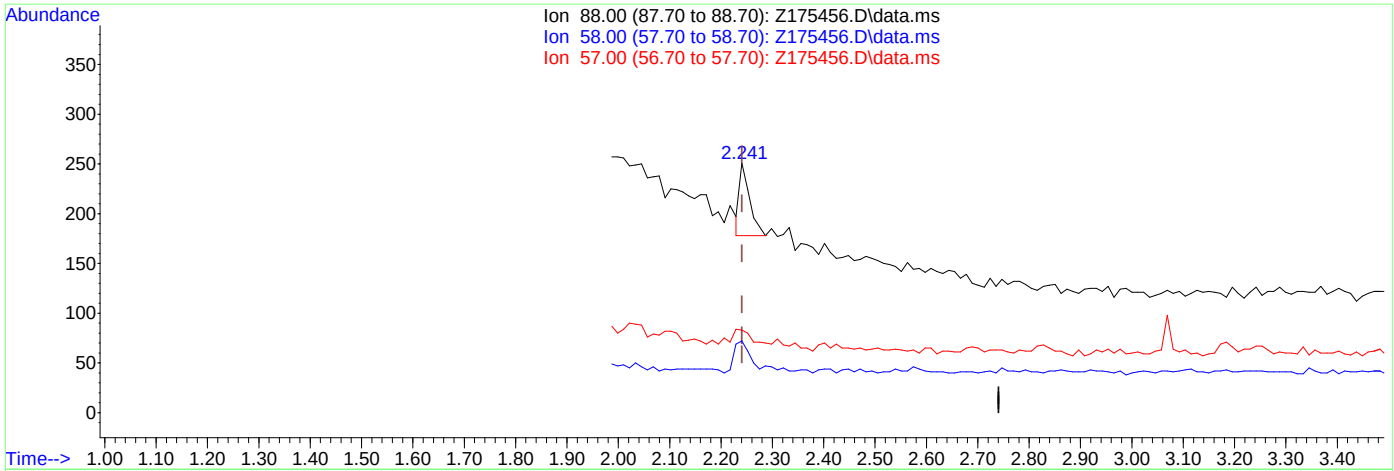
Sample Number: EZ8654-IC8654
Lab FileID: Z175456.D
Injection Time: 09/10/25 13:29
Method: SW846 8270E BY SIM
Analyst approved: 09/11/25 12:10 Ying Li
Supervisor approved: 09/15/25 15:51 Nina Pandya

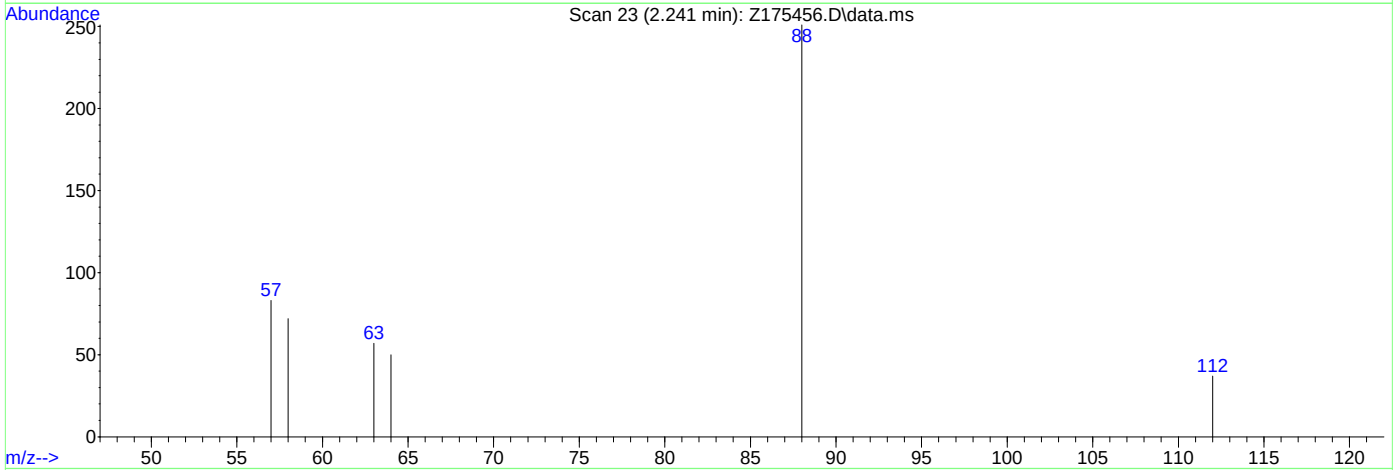
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,4-Dioxane	123-91-1		2.24	Poor instrument integration
Phenol	108-95-2		4.36	Poor instrument integration
Phenol-d5	4165-62-2		4.36	Poor instrument integration
Naphthalene	91-20-3		5.49	Poor instrument integration
2-Methylnaphthalene	91-57-6		5.98	Poor instrument integration
Acenaphthylene	208-96-8		6.70	Poor instrument integration
Acenaphthene	83-32-9		6.85	Poor instrument integration
Fluorene	86-73-7		7.33	Poor instrument integration
Anthracene	120-12-7		8.51	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175456.D
Acq On : 10 Sep 2025 1:29 pm
Operator : rocquans
Sample : ic8654-0.02
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 16:35:34 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175456.D\data.ms

(2) 1,4-Dioxane (t)

2.241min (+0.000) 24.77ppb

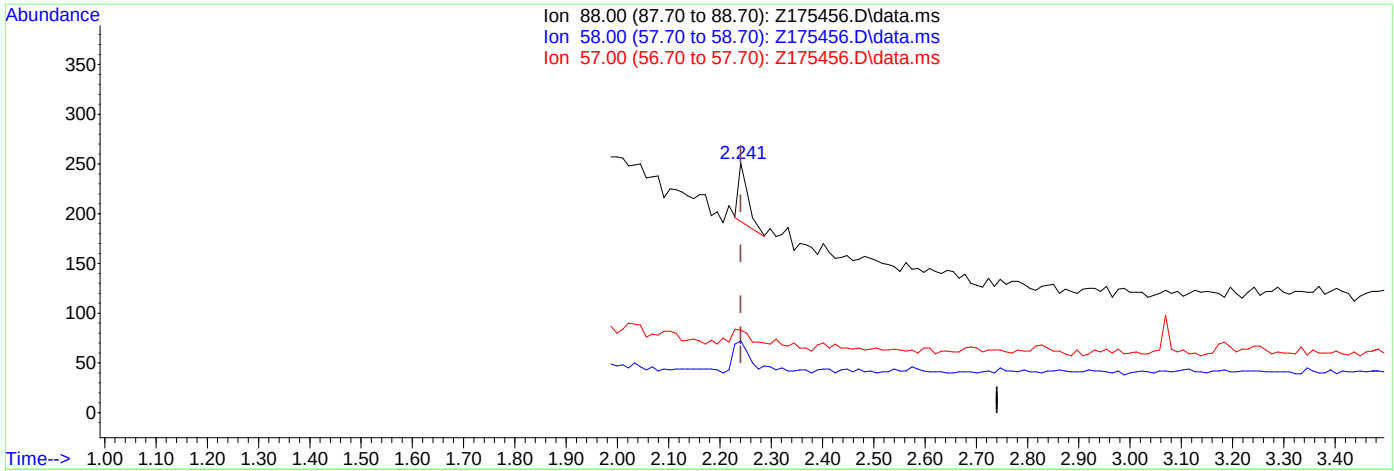
response 101

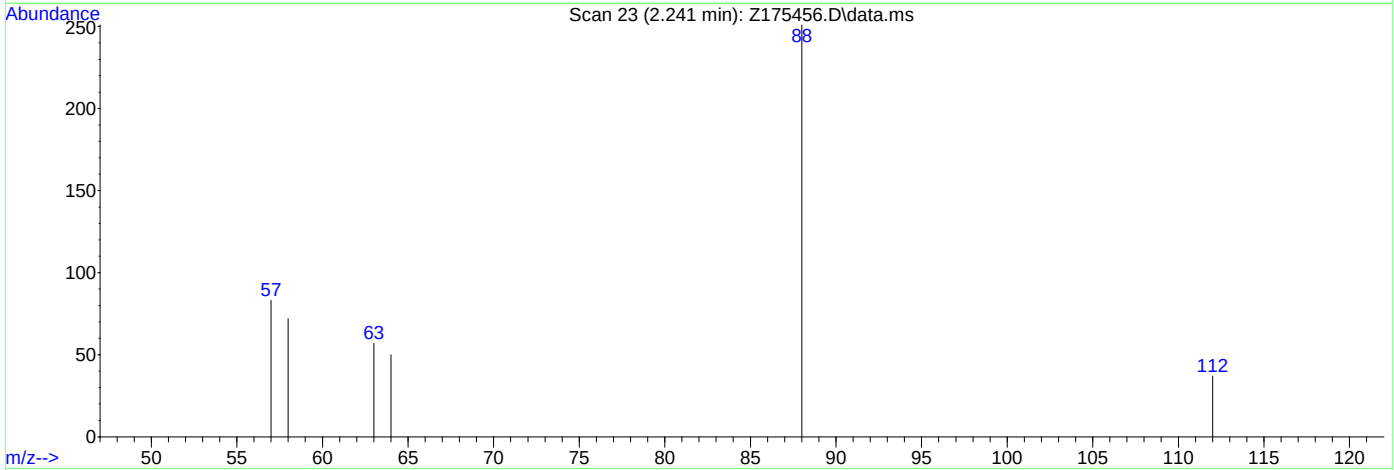
Ion	Exp%	Act%
88.00	100	100
58.00	35.60	22.05
57.00	20.00	9.45
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175456.D
Acq On : 10 Sep 2025 1:29 pm
Operator : rocquans
Sample : ic8654-0.02
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 16:35:34 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175456.D\data.ms

(2) 1,4-Dioxane (t)

2.241min (+0.000) 17.41ppb m

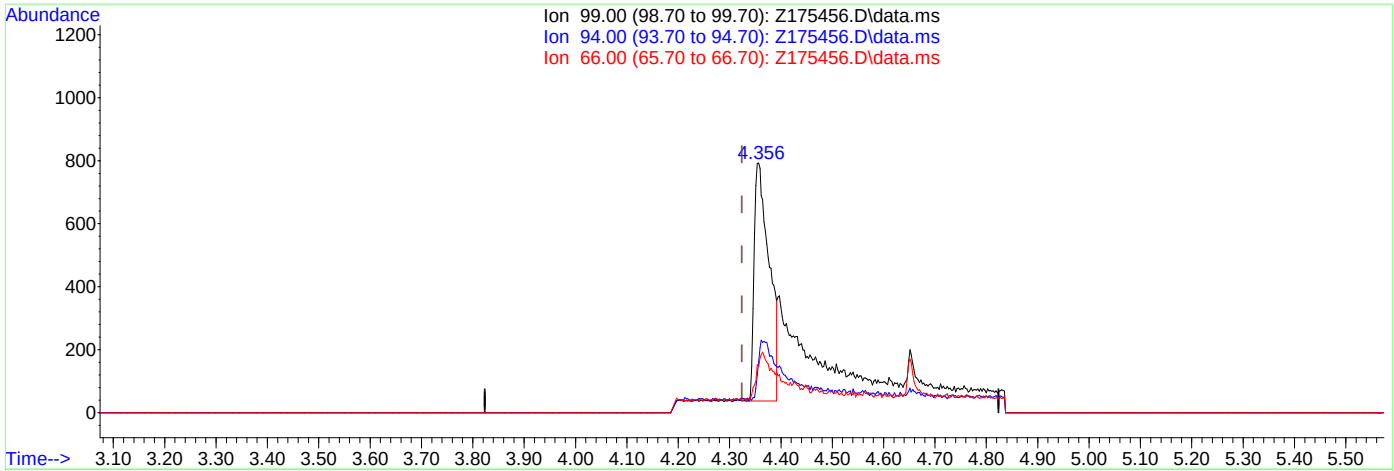
response 71

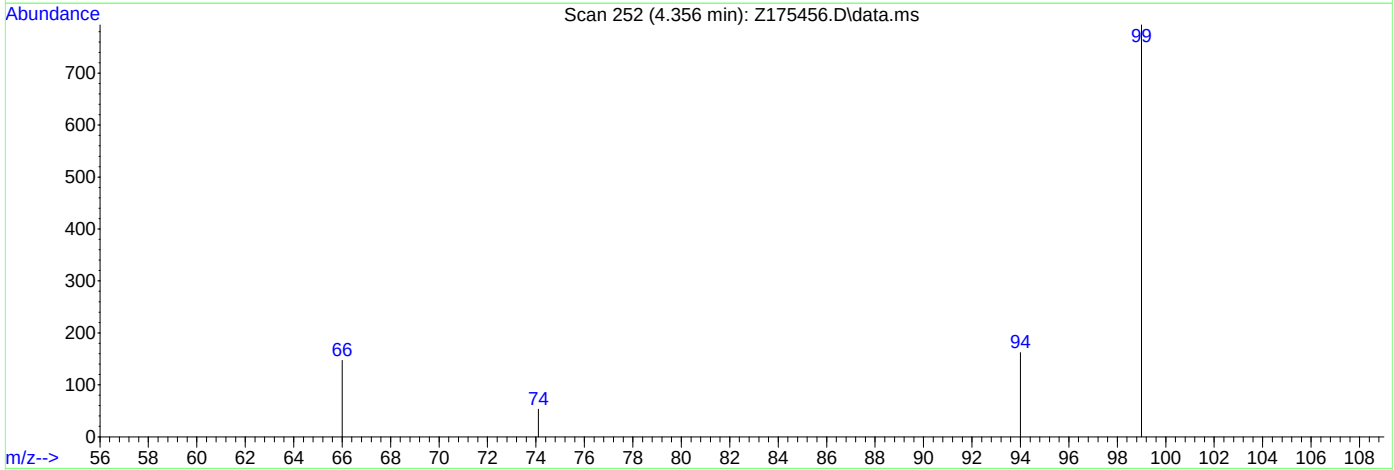
Ion	Exp%	Act%
88.00	100	100
58.00	35.60	28.69
57.00	20.00	33.07
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175456.D
Acq On : 10 Sep 2025 1:29 pm
Operator : rocquans
Sample : ic8654-0.02
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 16:35:34 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175456.D\data.ms

(4) Phenol-d5 (S)

4.356min (+0.033) 184.04ppb

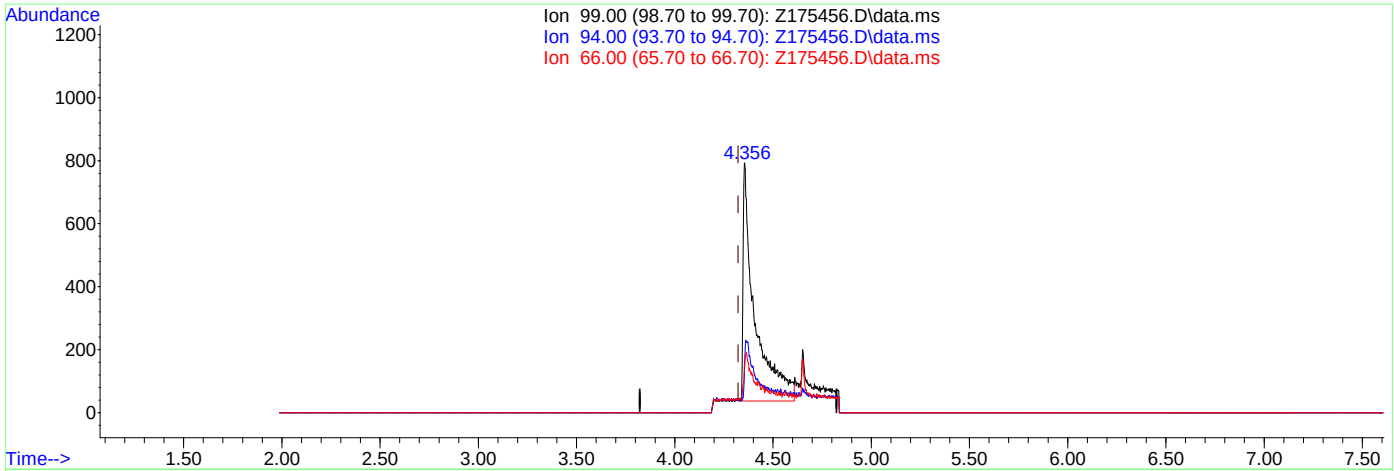
response 1539

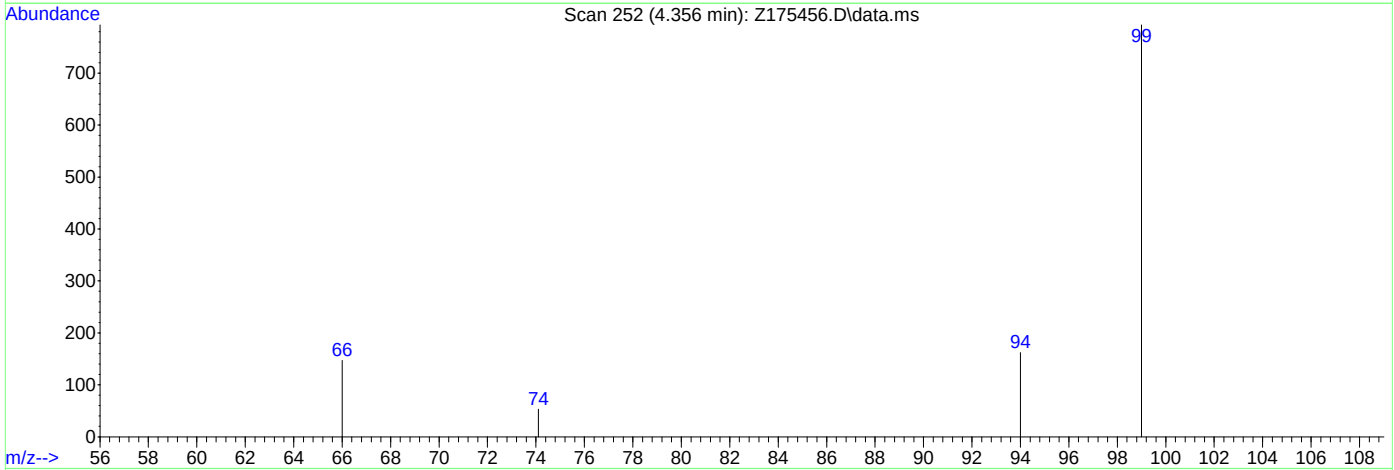
Ion	Exp%	Act%
99.00	100	100
94.00	0.40	11.22
66.00	7.40	10.39
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175456.D
Acq On : 10 Sep 2025 1:29 pm
Operator : rocquans
Sample : ic8654-0.02
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 16:35:34 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175456.D\data.ms

(4) Phenol-d5 (S)

4.356min (+0.033) 377.52ppb m

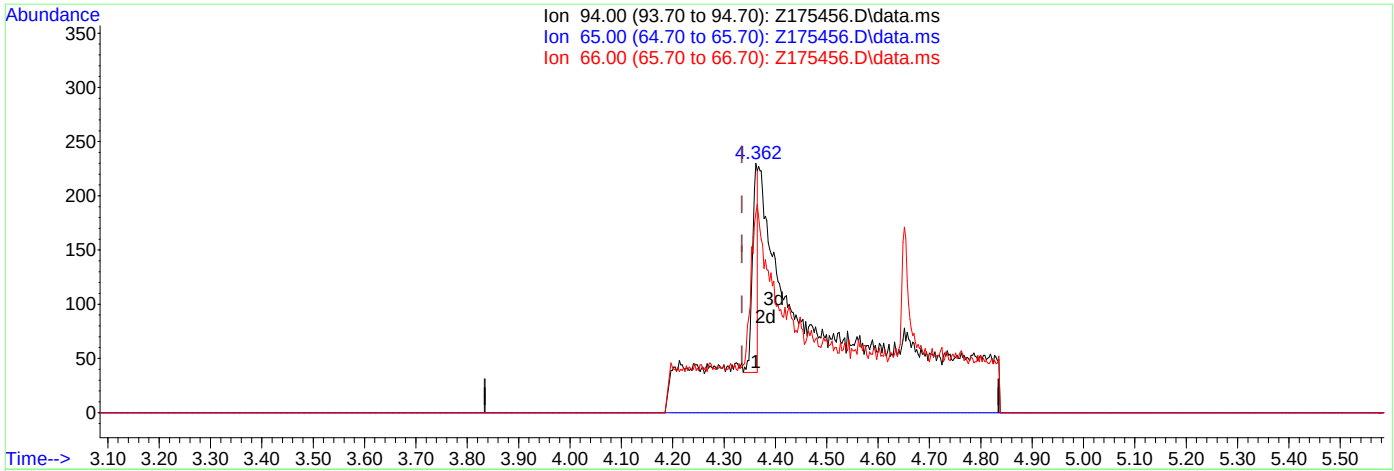
response 3157

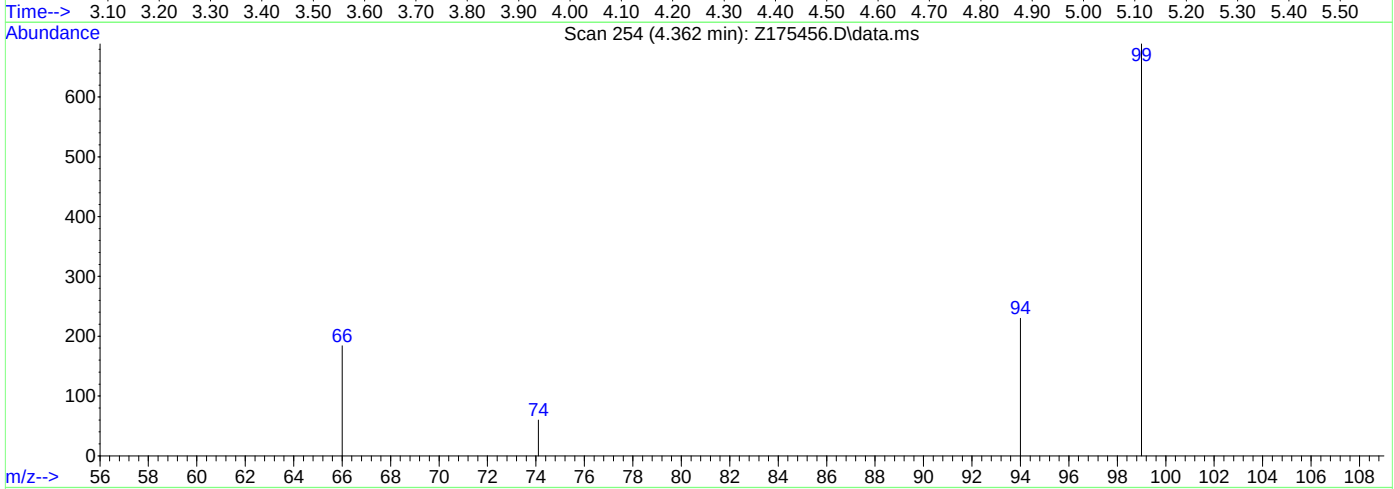
Ion	Exp%	Act%
99.00	100	100
94.00	0.40	20.43
66.00	7.40	18.54
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175456.D
Acq On : 10 Sep 2025 1:29 pm
Operator : rocquans
Sample : ic8654-0.02
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 16:35:34 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175456.D\data.ms

(5) Phenol

4.362min (+0.027) 15.81ppb

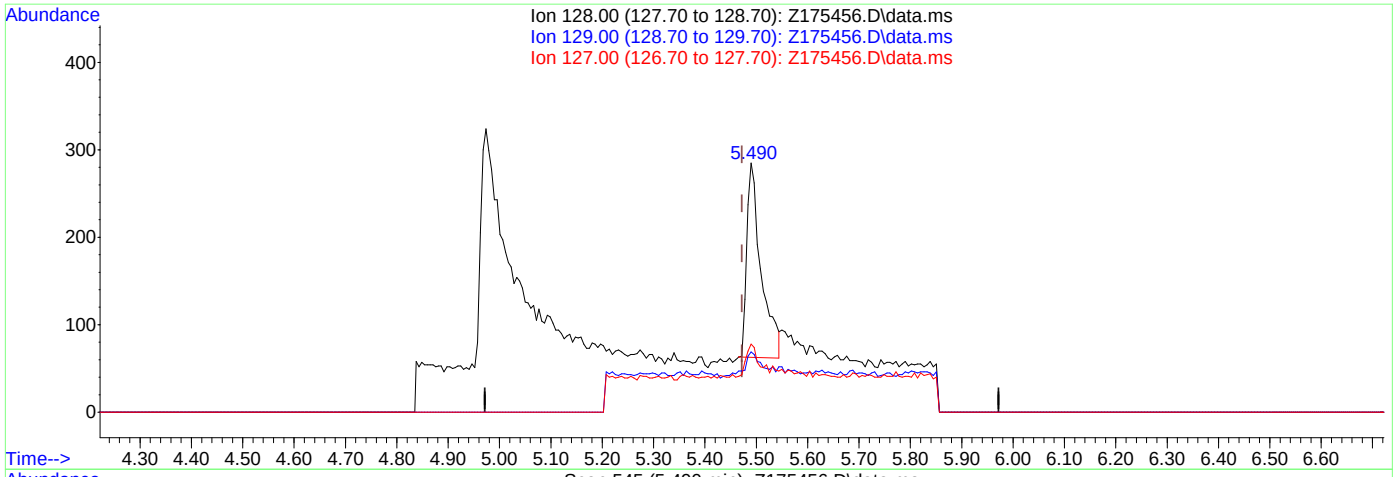
response 134

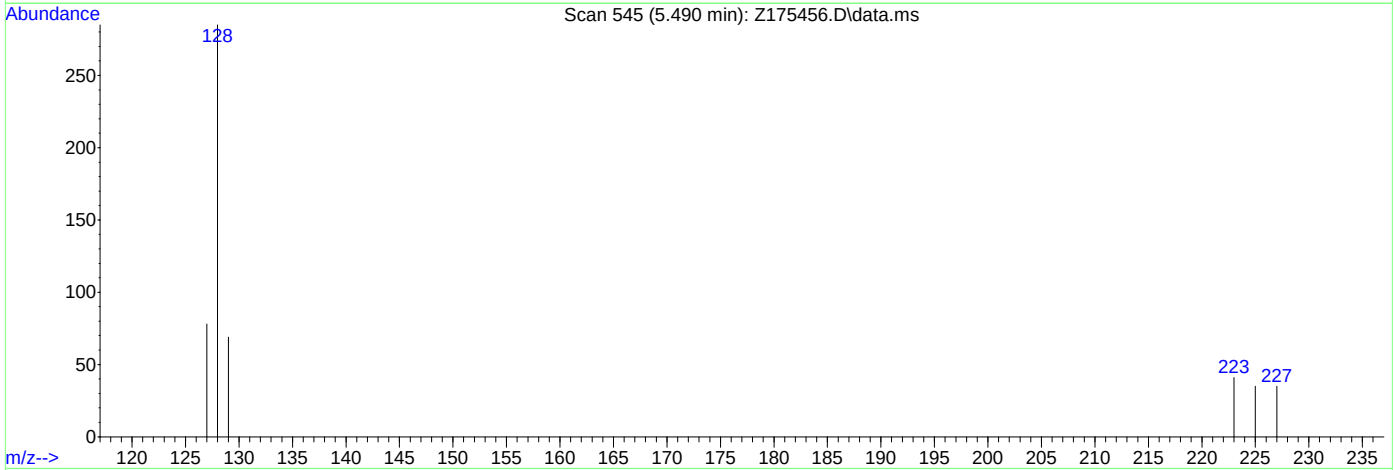
Ion	Exp%	Act%
94.00	100	100
65.00	0.00	0.00
66.00	62.30	66.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175456.D
Acq On : 10 Sep 2025 1:29 pm
Operator : rocquans
Sample : ic8654-0.02
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 16:35:34 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175456.D\data.ms

(7) Naphthalene (t)

5.490min (+0.018) 15.02ppb

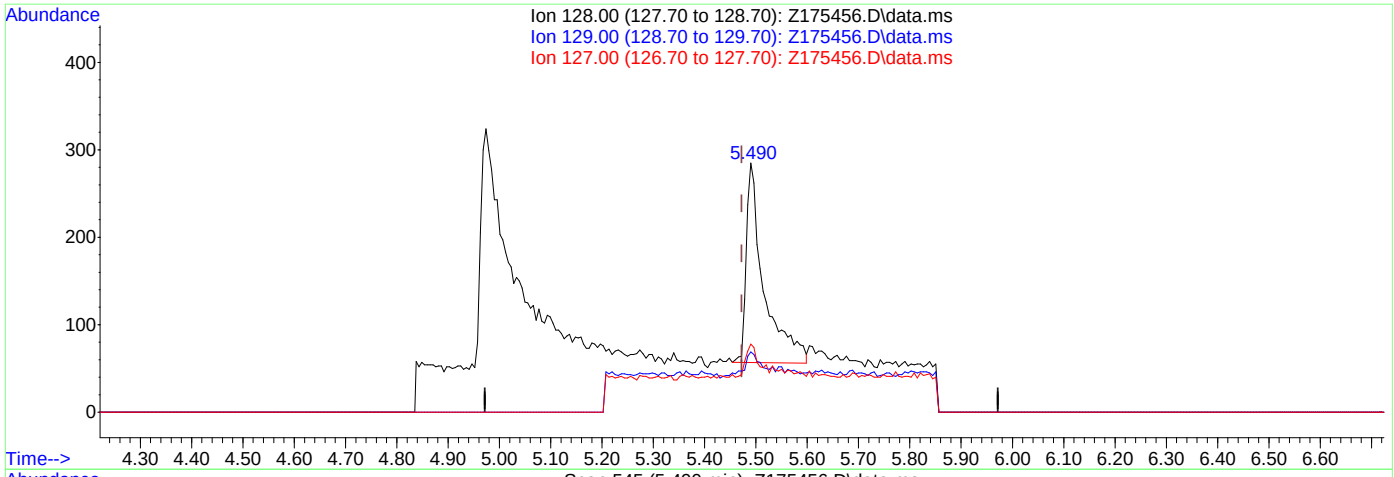
response 432

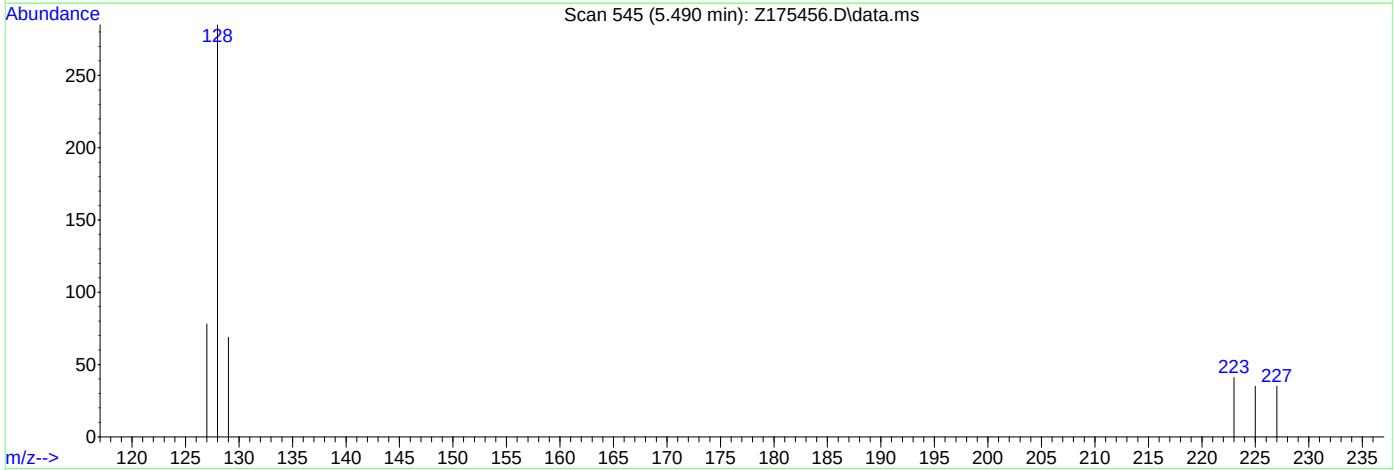
Ion	Exp%	Act%
128.00	100	100
129.00	10.60	9.40
127.00	13.30	16.39
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175456.D
Acq On : 10 Sep 2025 1:29 pm
Operator : rocquans
Sample : ic8654-0.02
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 16:35:34 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175456.D\data.ms

(7) Naphthalene (t)

5.490min (+0.018) 18.98ppb m

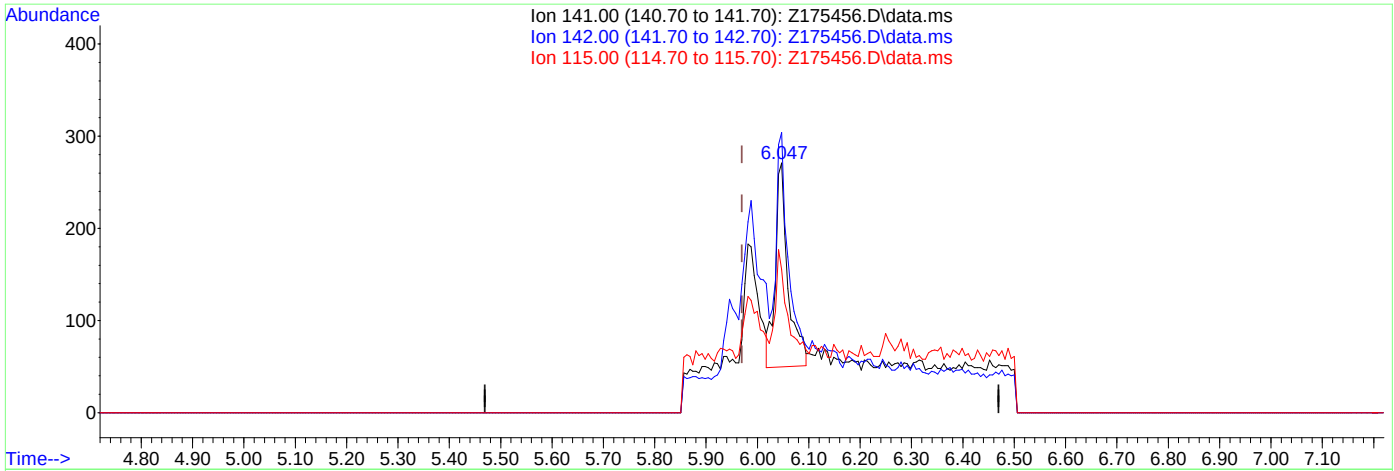
response 546

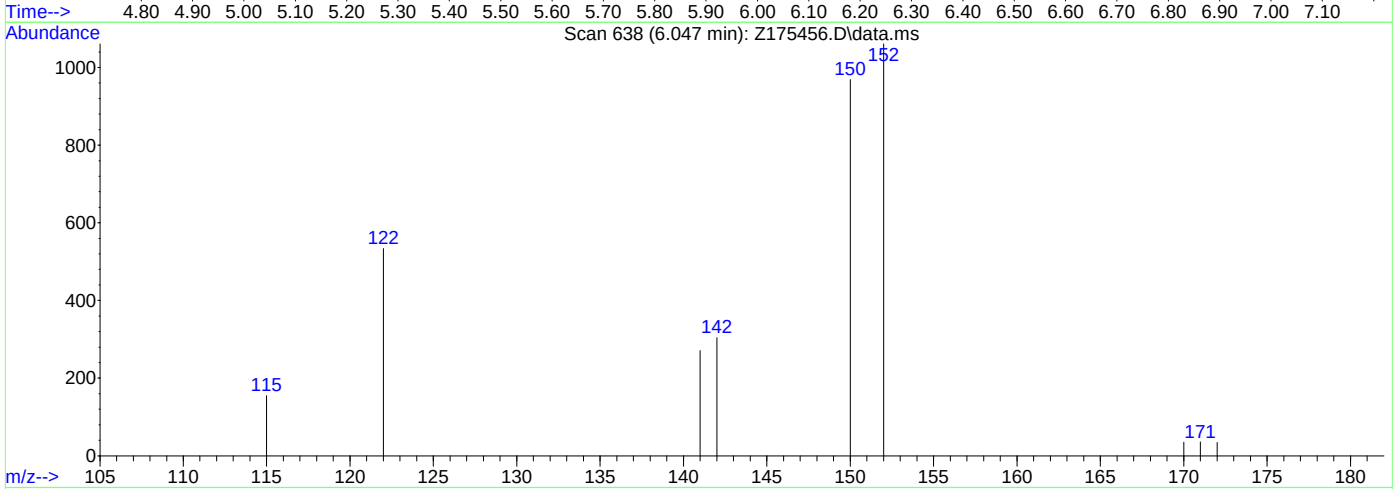
Ion	Exp%	Act%
128.00	100	100
129.00	10.60	24.21
127.00	13.30	27.37
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175456.D
Acq On : 10 Sep 2025 1:29 pm
Operator : rocquans
Sample : ic8654-0.02
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 16:35:34 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175456.D\data.ms

(9) 2-Methylnaphthalene (t)

6.047min (+0.078) 21.18ppb

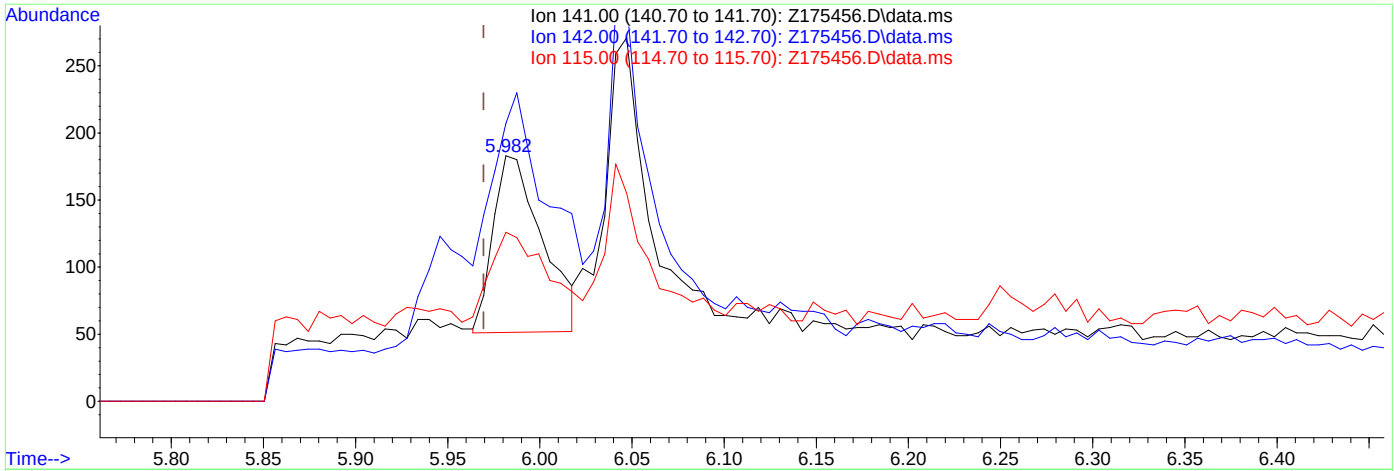
response 378

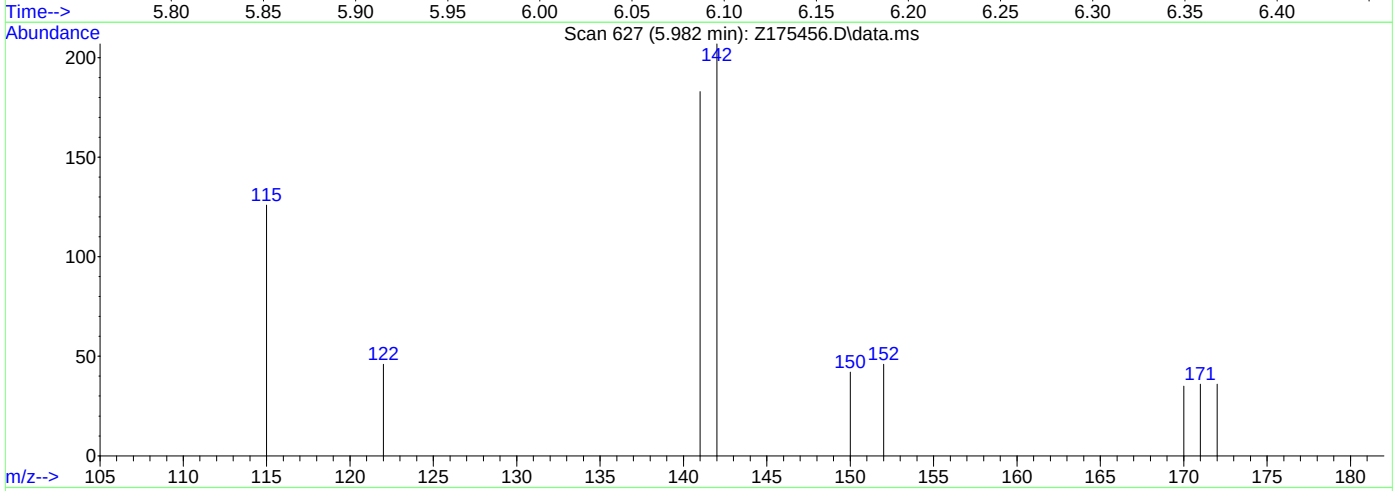
Ion	Exp%	Act%
141.00	100	100
142.00	107.10	100.77
115.00	54.30	40.82
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175456.D
Acq On : 10 Sep 2025 1:29 pm
Operator : rocquans
Sample : ic8654-0.02
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 16:35:34 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175456.D\data.ms

(9) 2-Methylnaphthalene (t)

5.982min (+0.012) 13.67ppb m

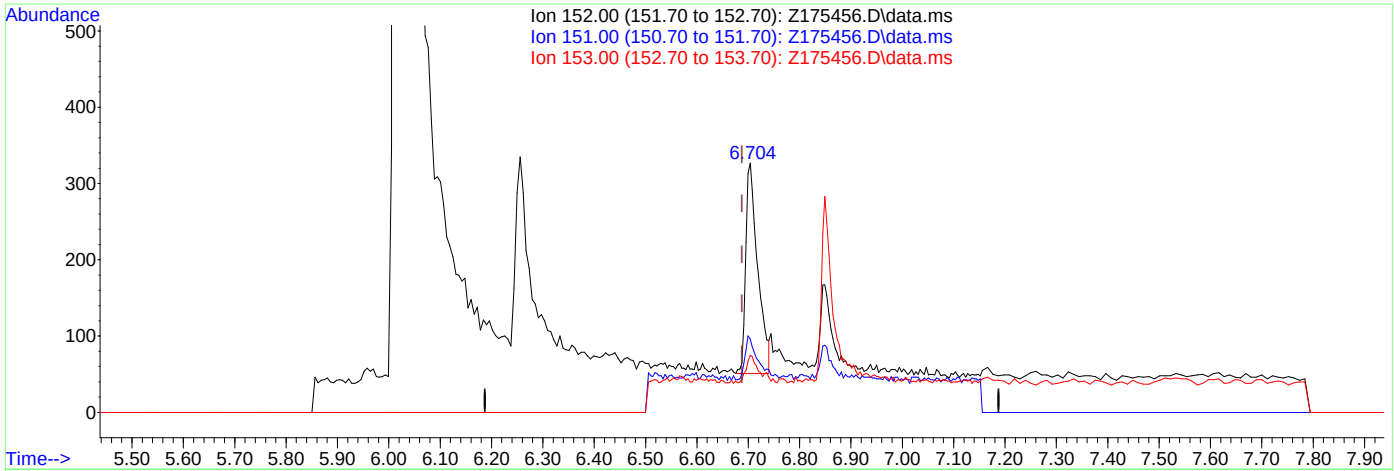
response 244

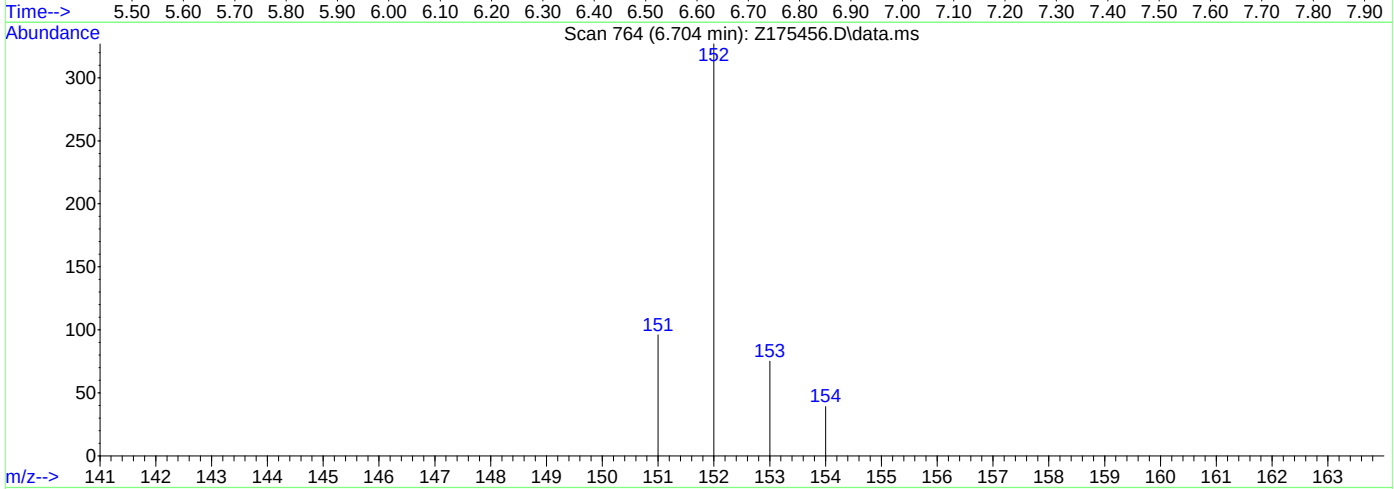
Ion	Exp%	Act%
141.00	100	100
142.00	107.10	113.11
115.00	54.30	68.85
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175456.D
Acq On : 10 Sep 2025 1:29 pm
Operator : rocquans
Sample : ic8654-0.02
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 16:35:34 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175456.D\data.ms

(14) Acenaphthylene (t)

6.704min (+0.016) 15.86ppb

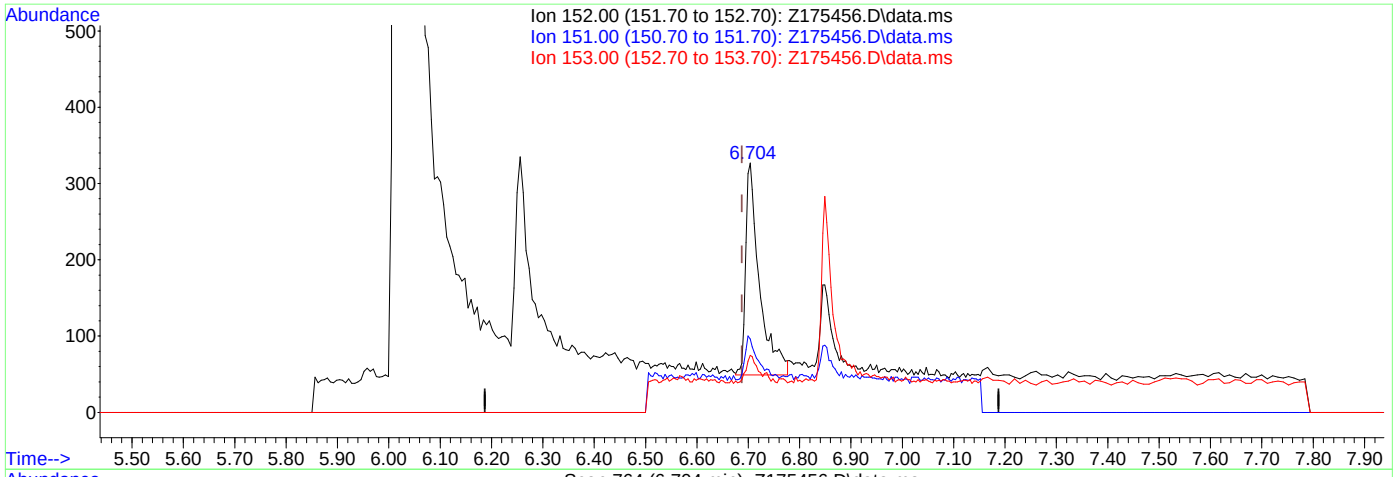
response 448

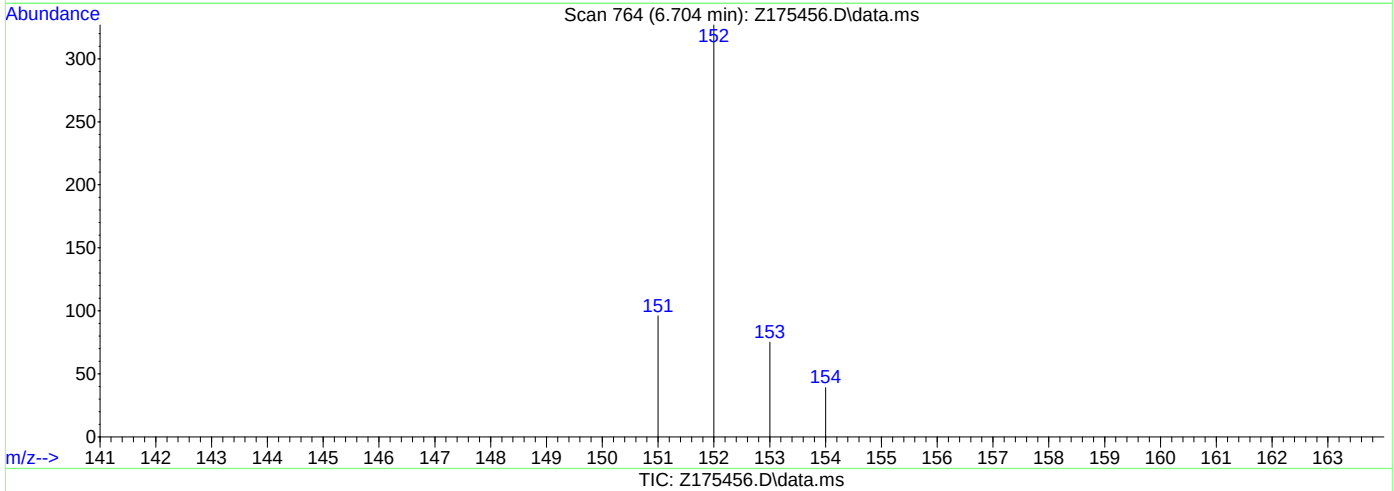
Ion	Exp%	Act%
152.00	100	100
151.00	20.10	18.27
153.00	12.60	12.38
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175456.D
Acq On : 10 Sep 2025 1:29 pm
Operator : rocquans
Sample : ic8654-0.02
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 16:35:34 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175456.D\data.ms

(14) Acenaphthylene (t)

6.704min (+0.016) 18.45ppb m

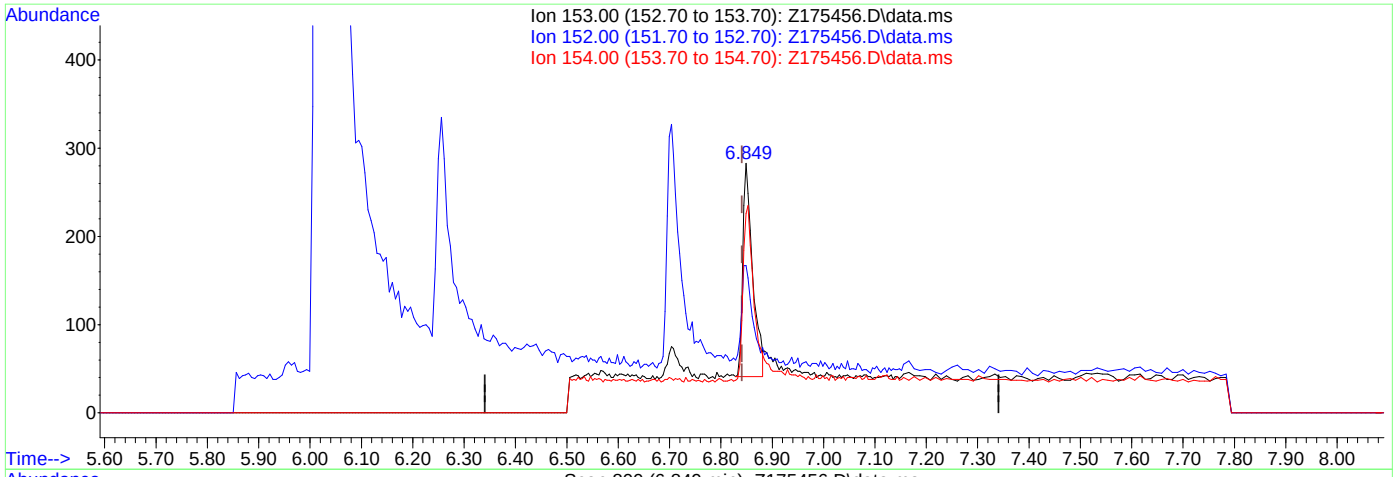
response 521

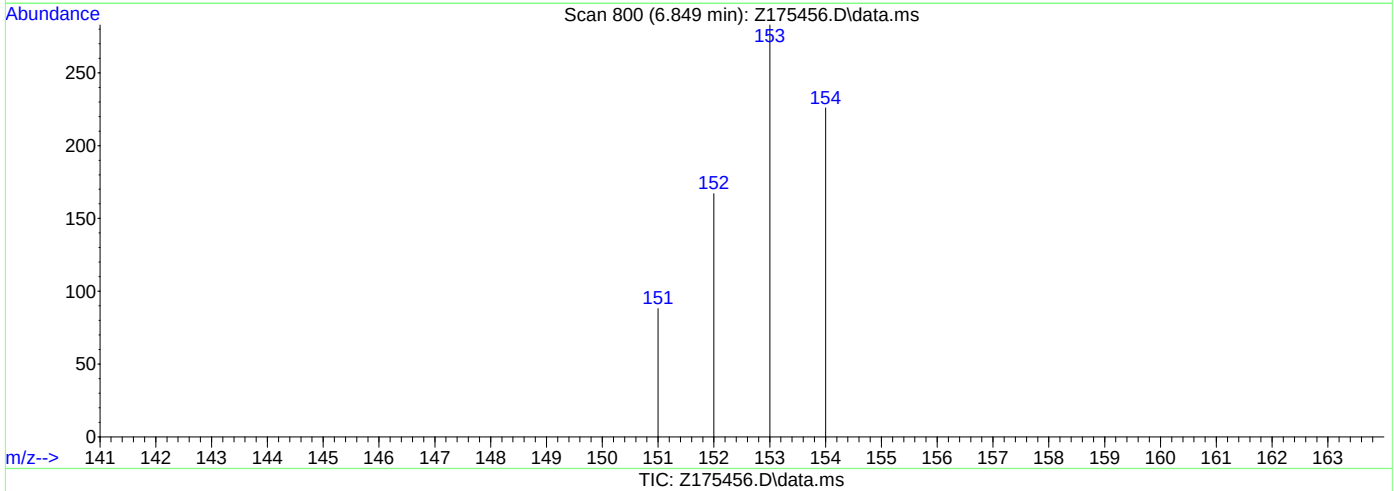
Ion	Exp%	Act%
152.00	100	100
151.00	20.10	29.36
153.00	12.60	22.94
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175456.D
Acq On : 10 Sep 2025 1:29 pm
Operator : rocquans
Sample : ic8654-0.02
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 16:35:34 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175456.D\data.ms

(15) Acenaphthene (t)

6.849min (+0.008) 16.26ppb

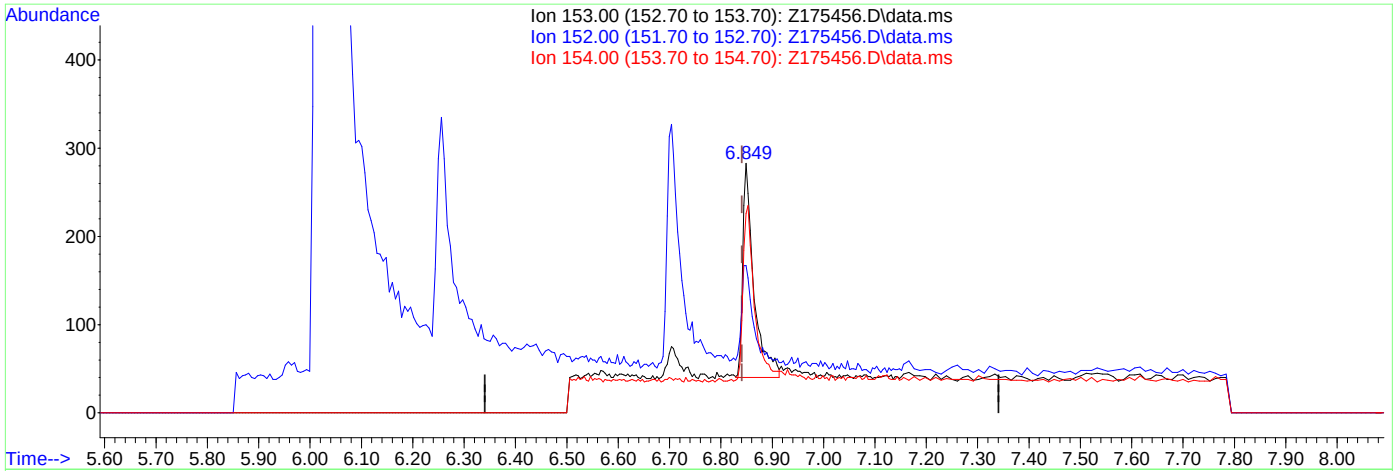
response 323

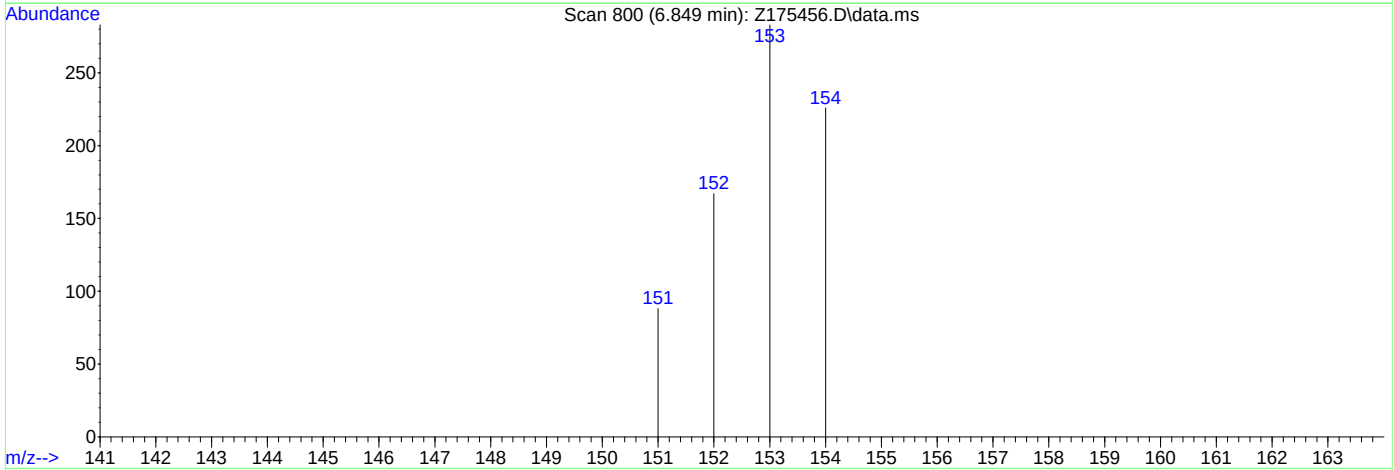
Ion	Exp%	Act%
153.00	100	100
152.00	46.60	43.86
154.00	87.90	76.54
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175456.D
Acq On : 10 Sep 2025 1:29 pm
Operator : rocquans
Sample : ic8654-0.02
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 16:35:34 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175456.D\data.ms

(15) Acenaphthene (t)

6.849min (+0.008) 18.42ppb m

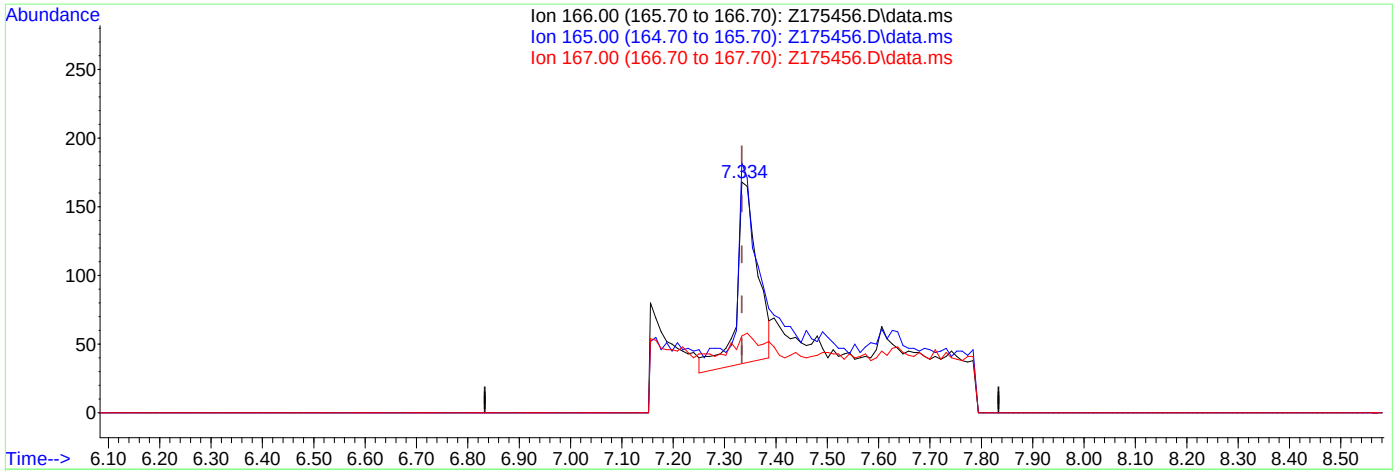
response 366

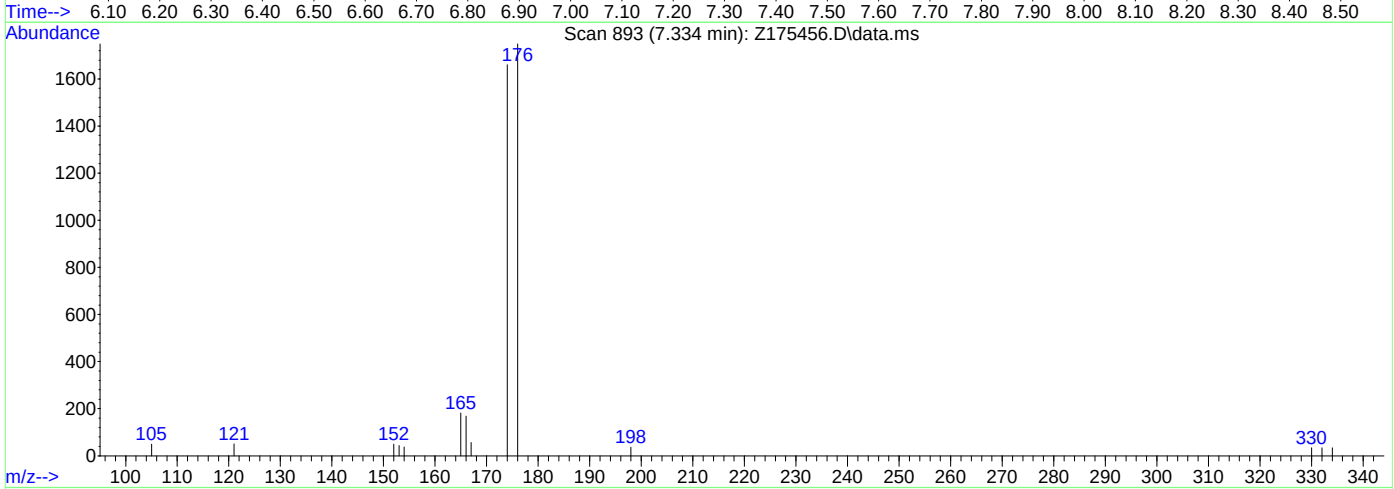
Ion	Exp%	Act%
153.00	100	100
152.00	46.60	59.01
154.00	87.90	79.86
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175456.D
Acq On : 10 Sep 2025 1:29 pm
Operator : rocquans
Sample : ic8654-0.02
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 16:35:34 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175456.D\data.ms

(16) Fluorene (t)

7.334min (+0.000) 16.43ppb

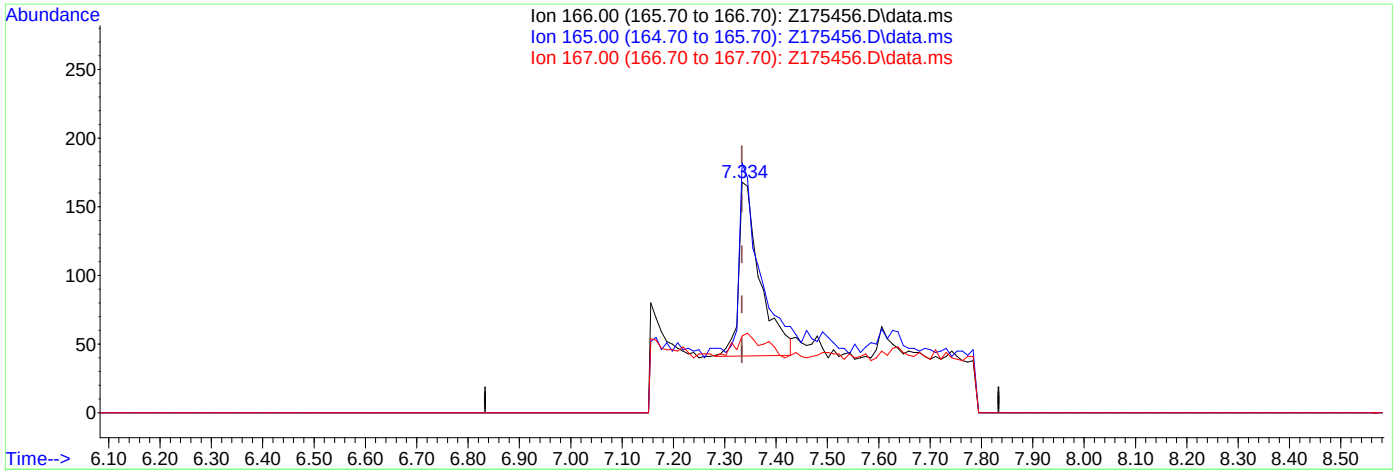
response 376

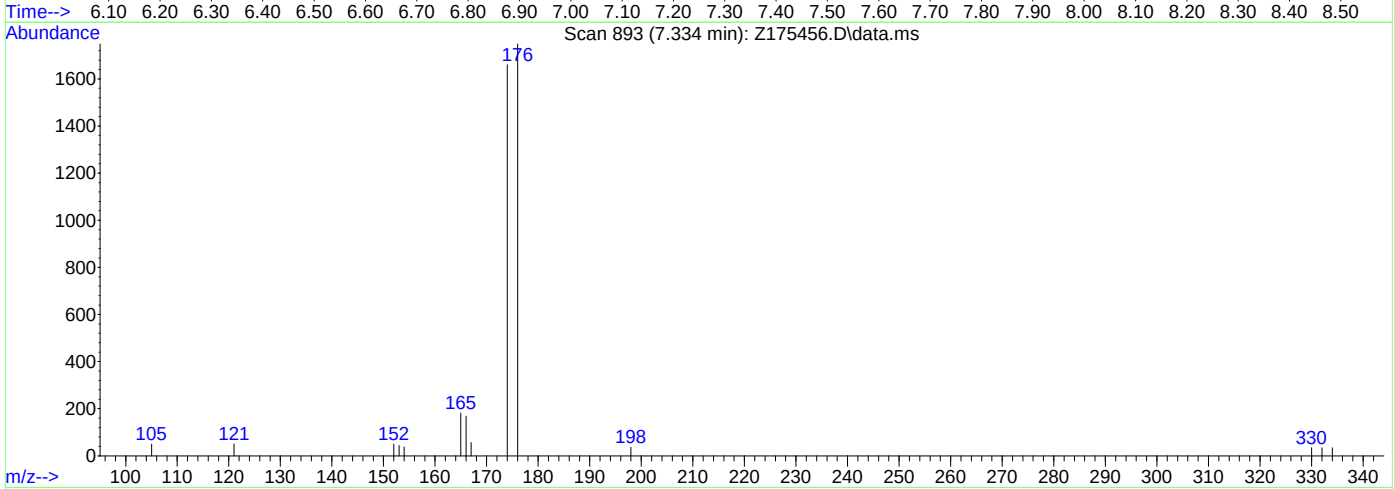
Ion	Exp%	Act%
166.00	100	100
165.00	95.80	105.68
167.00	13.50	7.42
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175456.D
Acq On : 10 Sep 2025 1:29 pm
Operator : rocquans
Sample : ic8654-0.02
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 16:35:34 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175456.D\data.ms

(16) Fluorene (t)

7.334min (+0.000) 16.03ppb m

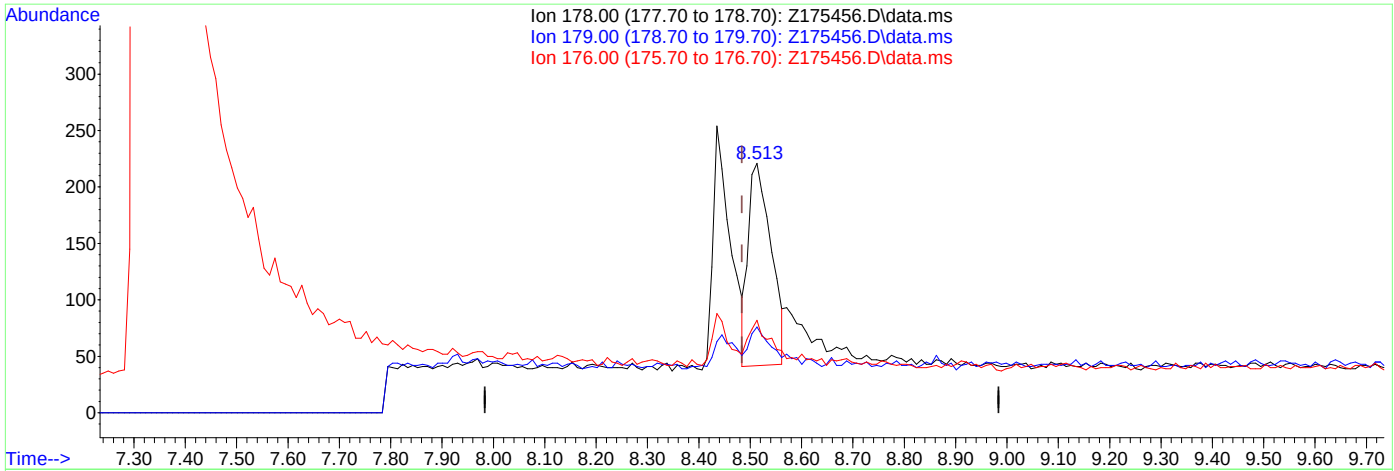
response 367

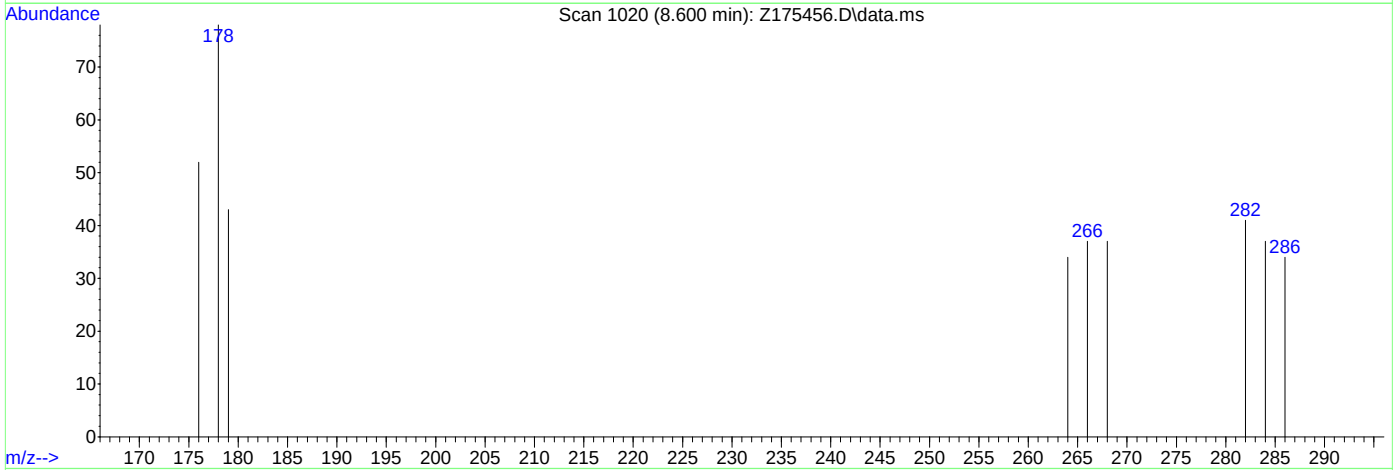
Ion	Exp%	Act%
166.00	100	100
165.00	95.80	108.33
167.00	13.50	33.33
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175456.D
Acq On : 10 Sep 2025 1:29 pm
Operator : rocquans
Sample : ic8654-0.02
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 16:35:34 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175456.D\data.ms

(23) Anthracene (t)

8.513min (+0.029) 15.31ppb

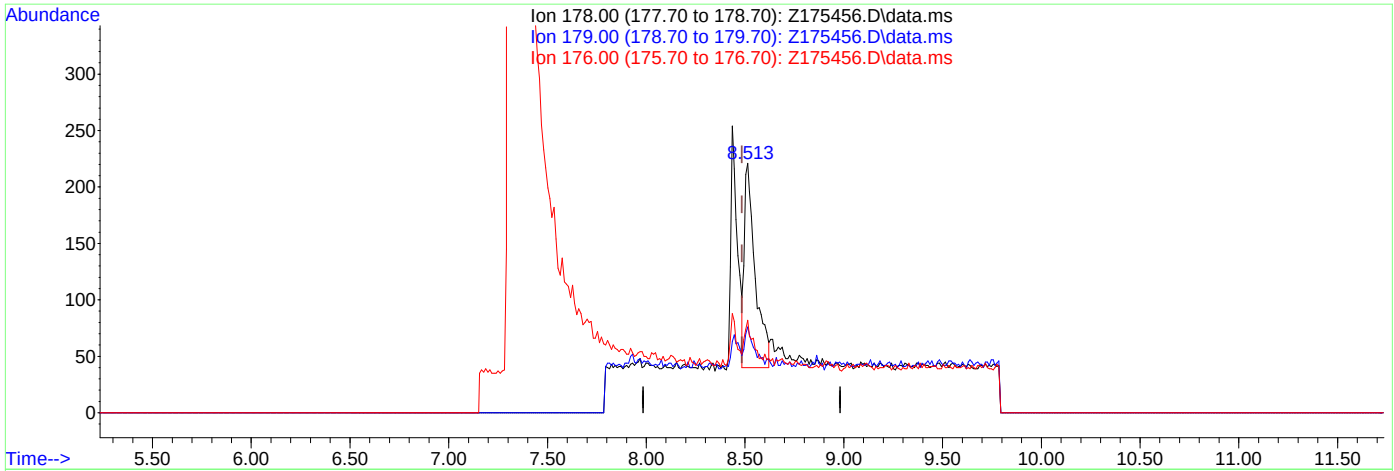
response 553

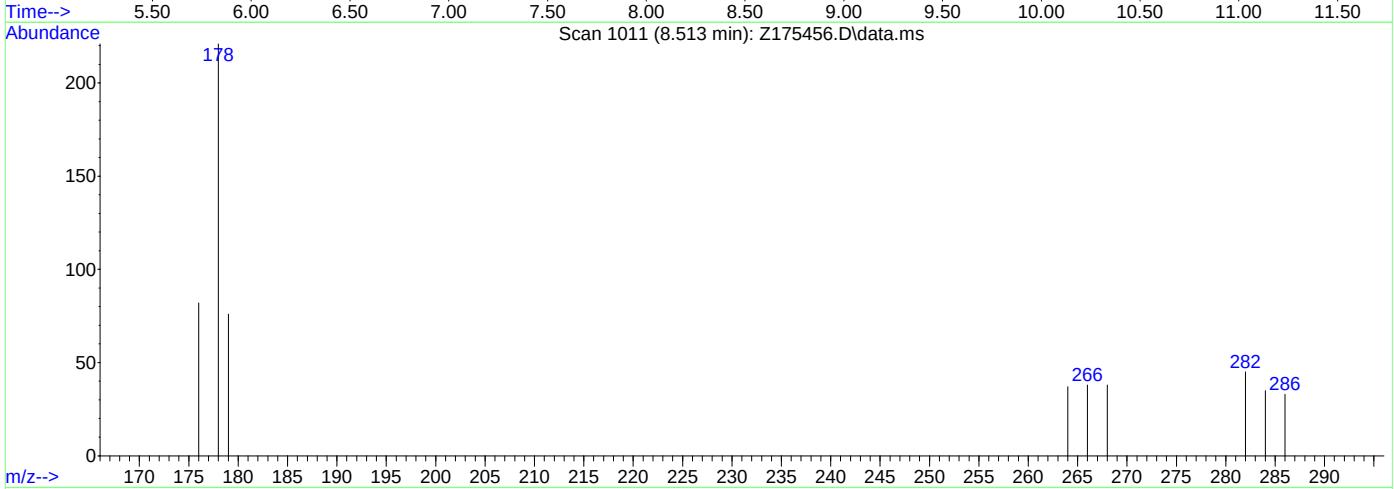
Ion	Exp%	Act%
178.00	100	100
179.00	14.80	20.97
176.00	18.70	22.98
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175456.D
Acq On : 10 Sep 2025 1:29 pm
Operator : rocquans
Sample : ic8654-0.02
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 16:35:34 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175456.D\data.ms

(23) Anthracene (t)

8.513min (+0.029) 19.26ppb m

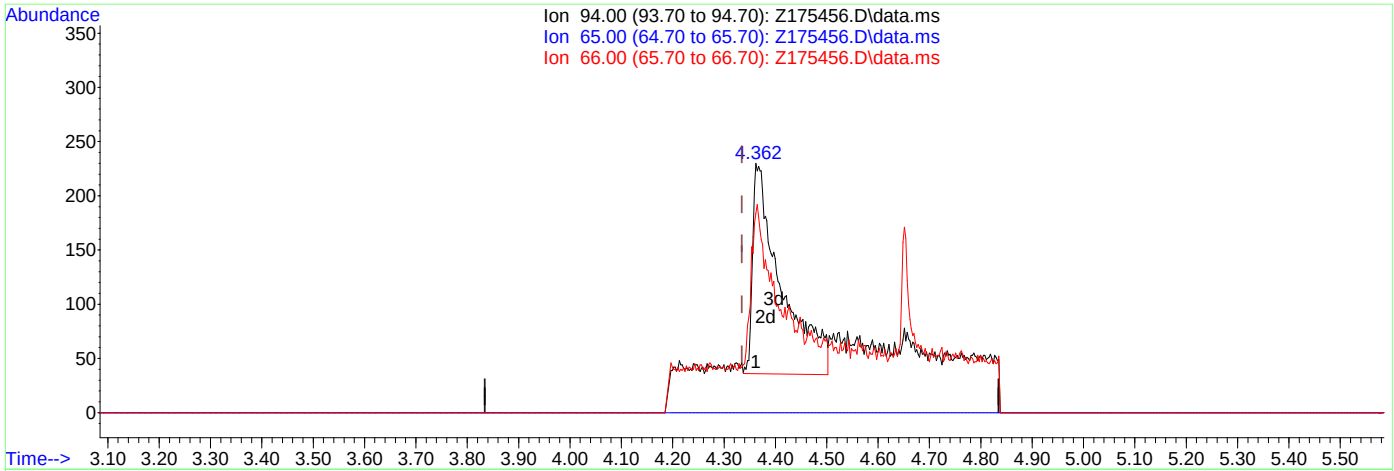
response 696

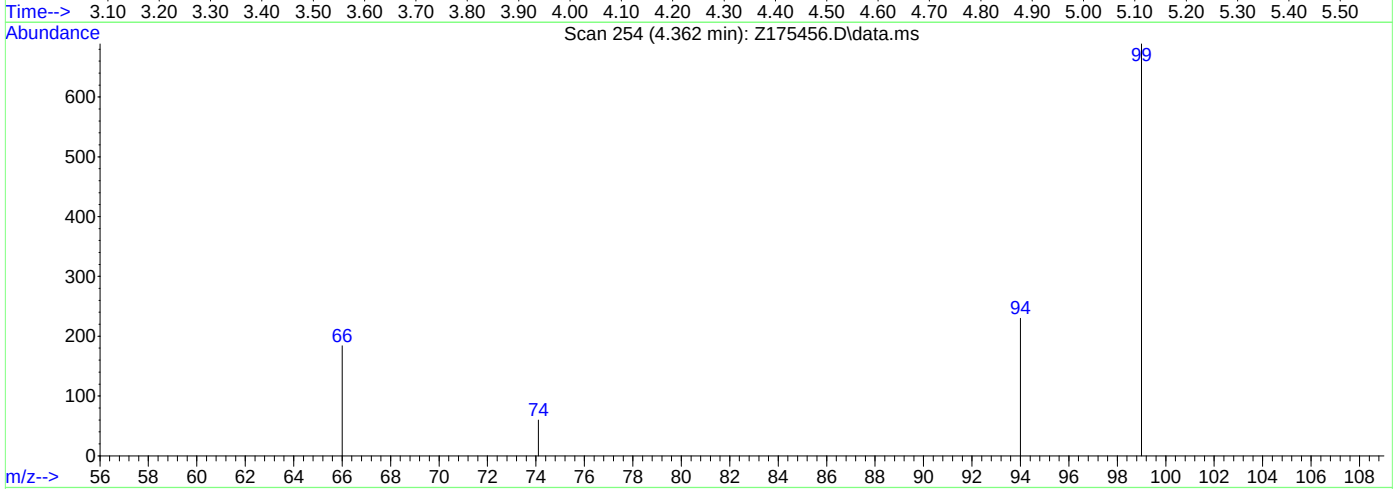
Ion	Exp%	Act%
178.00	100	100
179.00	14.80	34.39
176.00	18.70	37.10
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175456.D
Acq On : 10 Sep 2025 1:29 pm
Operator : rocquans
Sample : ic8654-0.02
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 16:38:38 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175456.D\data.ms

(5) Phenol

4.362min (+0.027) 88.94ppb m

response 754

Ion	Exp%	Act%
94.00	100	100
65.00	0.00	0.00
66.00	62.30	80.00#
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
09/15/25 15:51

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175457.D
Acq On : 10 Sep 2025 1:54 pm
Operator : rocquans
Sample : ic8654-0.04
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 11 11:56:16 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration

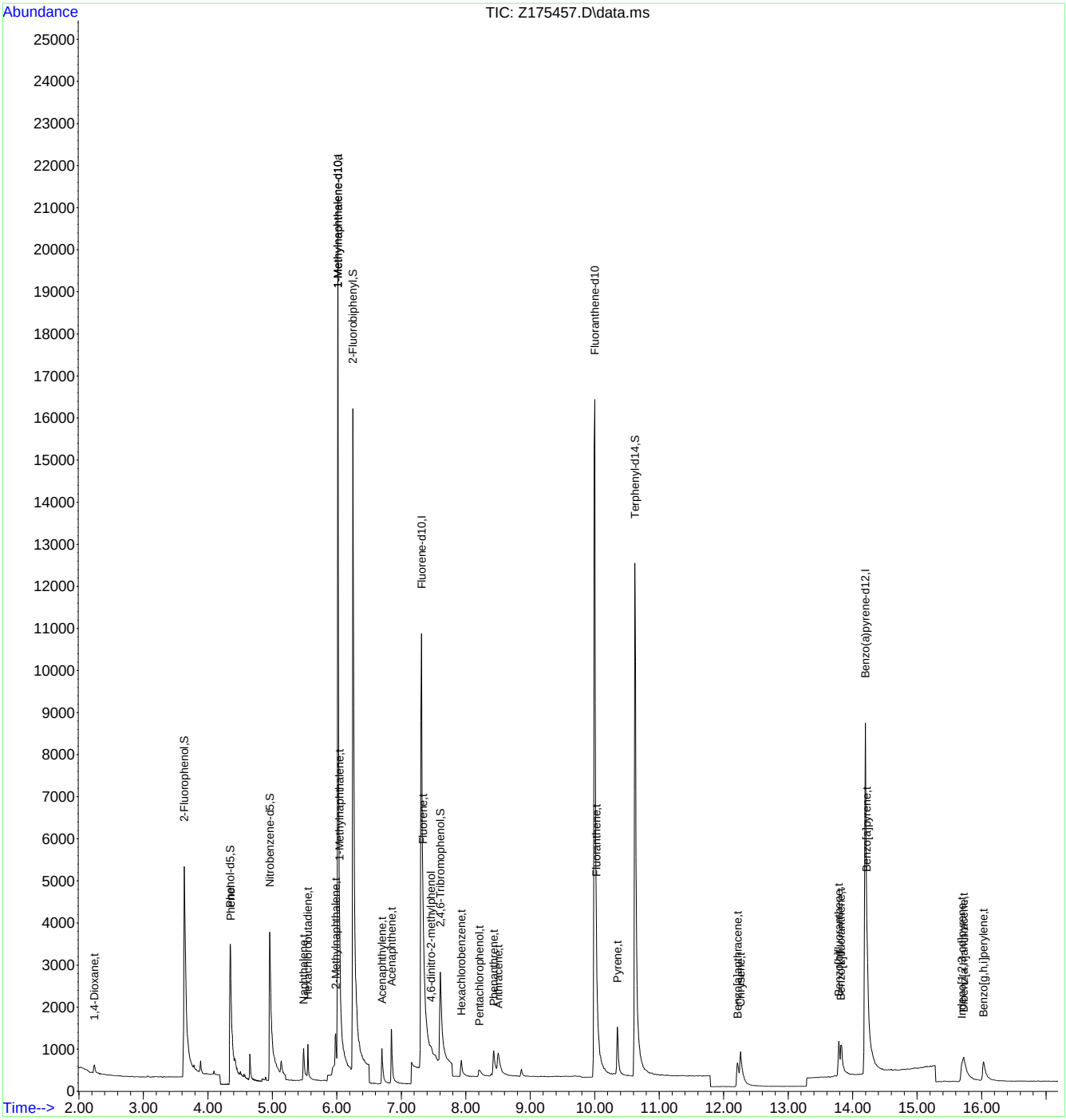
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	6.017	150	10297	800.00	ppb	0.00
12) Fluorene-d10	7.313	176	13513	800.00	ppb	0.01
19) Fluoranthene-d10	10.000	212	23479	800.00	ppb	0.00
29) Benzo(a)pyrene-d12	14.197	264	16762	800.00	ppb	0.00
36) 1-Methylnaphthalene-d10a	6.017	150	10649m	800.00	ppb	-0.07
System Monitoring Compounds						
3) 2-Fluorophenol	3.633	112	6047	772.92	ppb	0.01
Spiked Amount 10000.000			Recovery =	7.73%		
4) Phenol-d5	4.343	99	6981m	815.92	ppb	0.02
Spiked Amount 10000.000			Recovery =	8.16%		
6) Nitrobenzene-d5	4.957	82	7025m	739.41	ppb	0.02
Spiked Amount 10000.000			Recovery =	7.39%		
13) 2-Fluorobiphenyl	6.250	172	16805	840.11	ppb	0.00
Spiked Amount 10000.000			Recovery =	8.40%		
18) 2,4,6-Tribromophenol	7.606	330	2451	686.66	ppb	0.02
Spiked Amount 10000.000			Recovery =	6.87%		
26) Terphenyl-d14	10.624	244	17343	829.64	ppb	0.00
Spiked Amount 10000.000			Recovery =	8.30%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.241	88	168m	40.27	ppb	
5) Phenol	4.354	94	1807m	208.32	ppb	
7) Naphthalene	5.484	128	1232m	41.86	ppb	
8) Hexachlorobutadiene	5.550	225	287	36.75	ppb	90
9) 2-Methylnaphthalene	5.982	141	597	32.69	ppb	91
10) 1-Methylnaphthalene	6.041	141	644	34.47	ppb	91
14) Acenaphthylene	6.700	152	1008	34.86	ppb	99
15) Acenaphthene	6.849	153	747	36.73	ppb	95
16) Fluorene	7.334	166	797m	34.01	ppb	
17) 4,6-dinitro-2-methylph...	7.459	198	158m	88.88	ppb	
20) Hexachlorobenzene	7.930	284	291	34.38	ppb	96
21) Pentachlorophenol	8.212	266	255	91.07	ppb	85
22) Phenanthrene	8.435	178	1021	34.37	ppb	98
23) Anthracene	8.503	178	1402	38.02	ppb	95
24) Fluoranthene	10.025	202	1418	40.10	ppb	96
25) Pyrene	10.353	202	1505	40.43	ppb	98
27) Benzo[a]anthracene	12.215	228	835	35.39	ppb	99
28) Chrysene	12.261	228	1613	39.81	ppb	99
30) Benzo[b]fluoranthene	13.783	252	1017	43.82	ppb	94
31) Benzo[k]fluoranthene	13.818	252	1277	34.87	ppb	96
32) Benzo[a]pyrene	14.220	252	1169	41.75	ppb	99
33) Indeno[1,2,3-cd]pyrene	15.694	276	1354	42.74	ppb	97
34) Dibenz[a,h]anthracene	15.723	278	1087	41.43	ppb	95
35) Benzo[g,h,i]perylene	16.030	276	1079	39.05	ppb	100

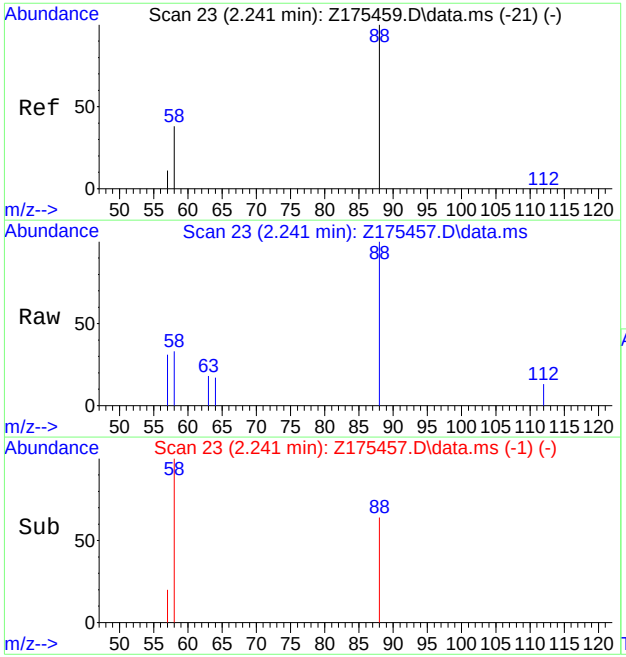
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175457.D
Acq On : 10 Sep 2025 1:54 pm
Operator : rocquans
Sample : ic8654-0.04
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 11 11:56:16 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration

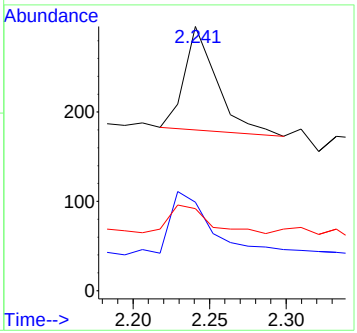


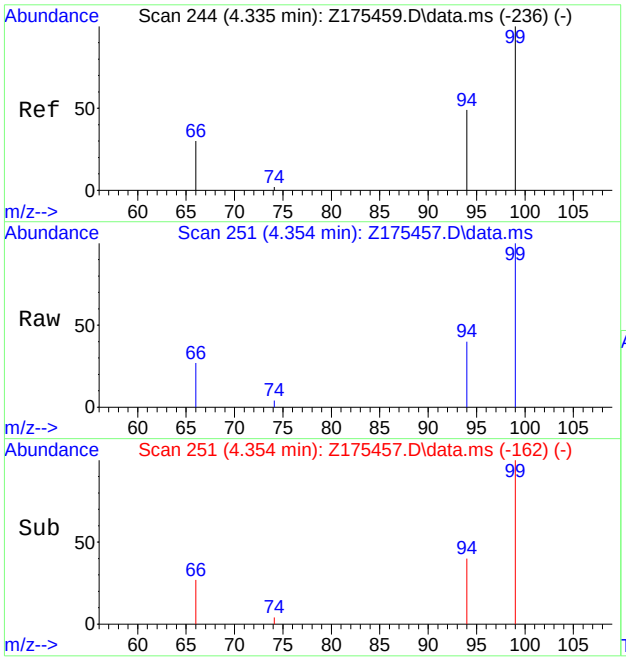


#2
1,4-Dioxane
Concen: 40.27 ppb m
RT: 2.241 min Scan# 23
Delta R.T. 0.000 min
Lab File: Z175457.D
Acq: 10 Sep 2025 1:54 pm

Tgt Ion: 88 Resp: 168

Ion	Ratio	Lower	Upper
88	100		
58	33.4	15.6	55.6
57	31.1	0.0	40.0

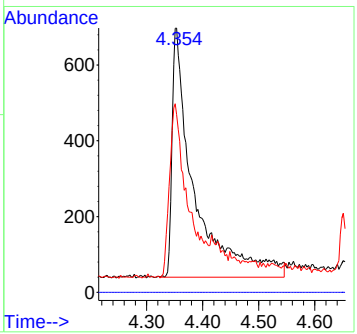


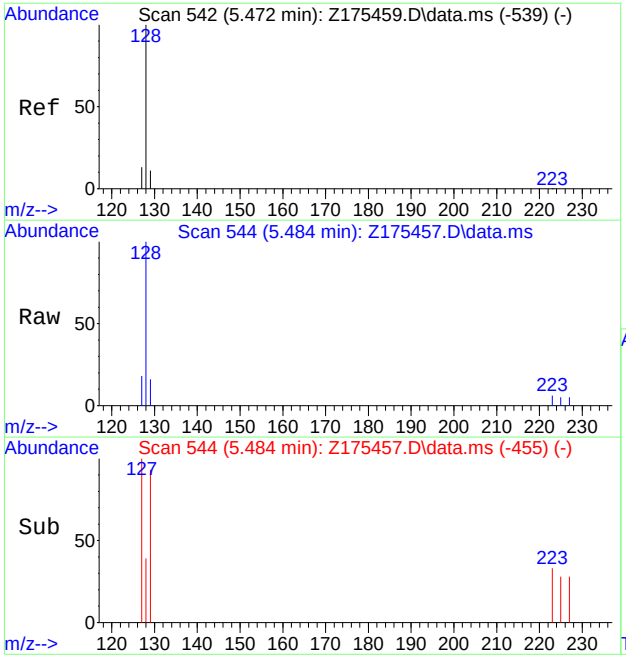


#5
Phenol
Concen: 208.32 ppb m
RT: 4.354 min Scan# 251
Delta R.T. 0.019 min
Lab File: Z175457.D
Acq: 10 Sep 2025 1:54 pm

Tgt Ion: 94 Resp: 1807

Ion	Ratio	Lower	Upper
94	100		
65	0.0	0.0	0.0
66	67.2	49.8	74.8

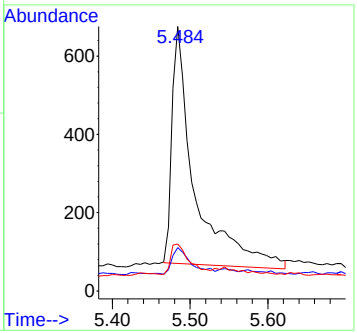


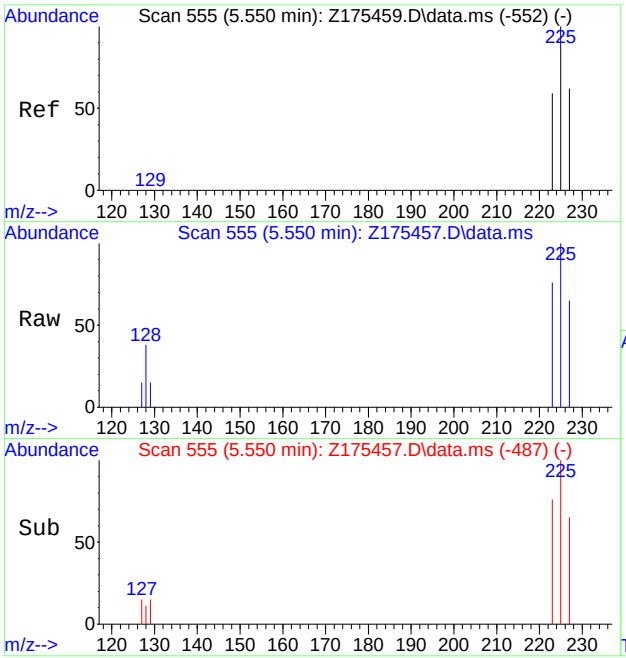


#7
Naphthalene
Concen: 41.86 ppb m
RT: 5.484 min Scan# 544
Delta R.T. 0.012 min
Lab File: Z175457.D
Acq: 10 Sep 2025 1:54 pm

Tgt Ion:128 Resp: 1232

Ion	Ratio	Lower	Upper
128	100		
129	16.4	0.0	40.6
127	17.8	0.0	43.3

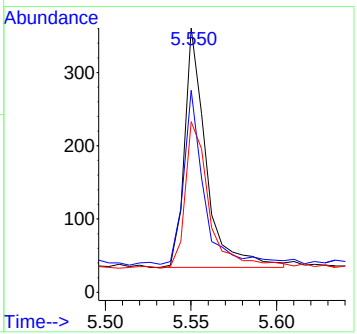


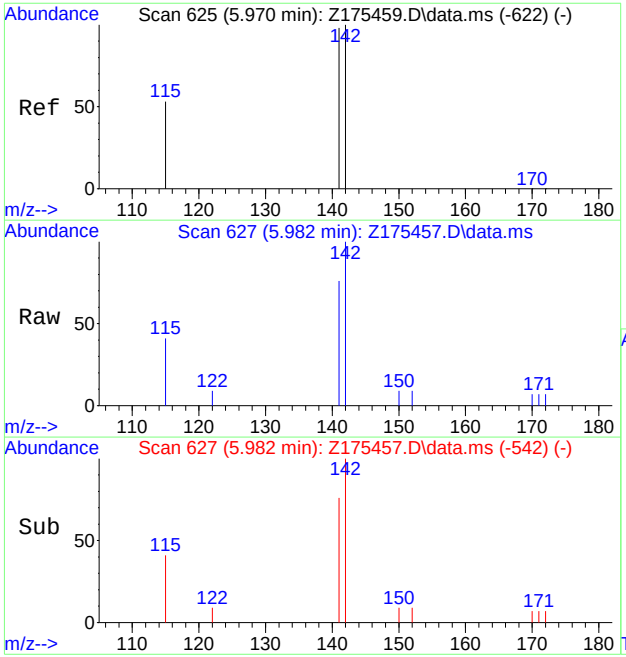


#8
Hexachlorobutadiene
Concen: 36.75 ppb
RT: 5.550 min Scan# 555
Delta R.T. 0.000 min
Lab File: Z175457.D
Acq: 10 Sep 2025 1:54 pm

Tgt Ion:225 Resp: 287

Ion	Ratio	Lower	Upper
225	100		
223	72.7	29.0	89.0
227	60.8	32.1	92.1

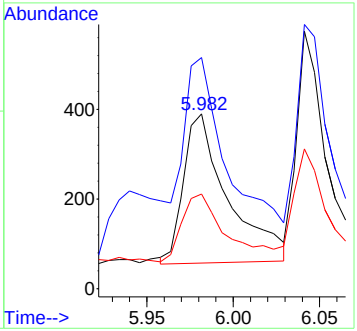


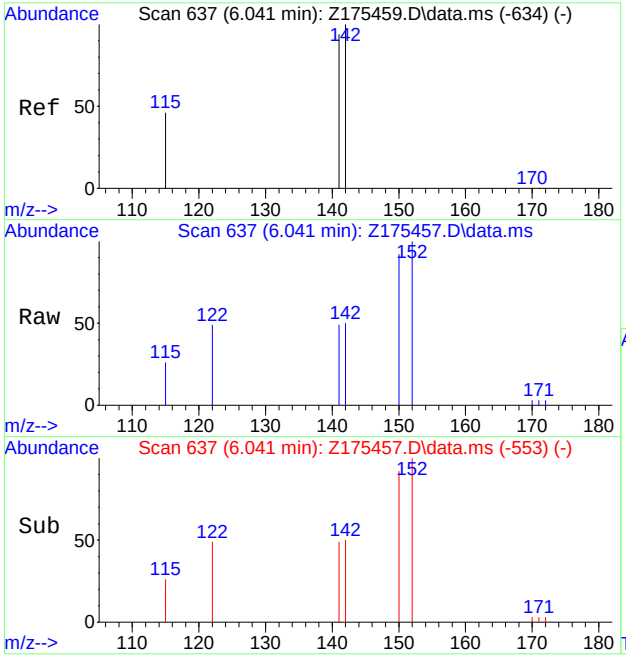


#9
2-Methylnaphthalene
Concen: 32.69 ppb
RT: 5.982 min Scan# 627
Delta R.T. 0.012 min
Lab File: Z175457.D
Acq: 10 Sep 2025 1:54 pm

Tgt Ion:141 Resp: 597

Ion	Ratio	Lower	Upper
141	100		
142	113.5	77.1	137.1
115	44.0	24.3	84.3

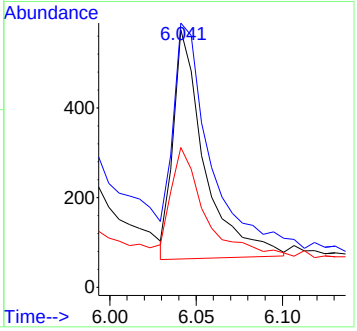


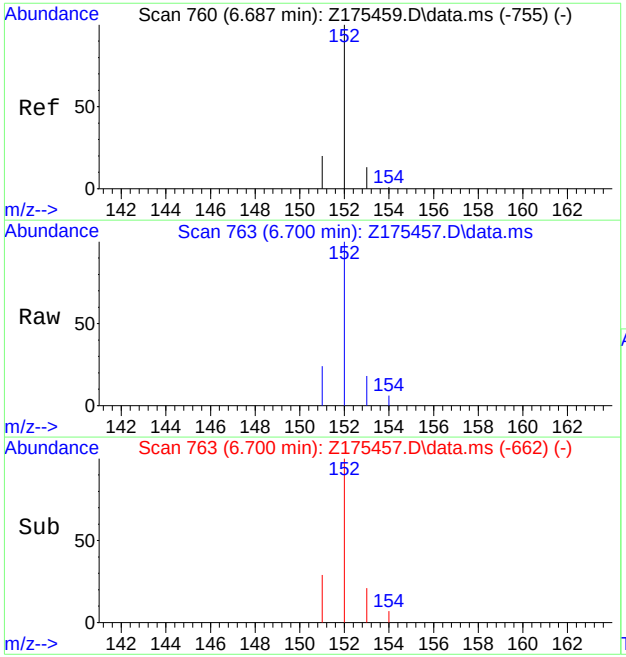


#10
1-Methylnaphthalene
Concen: 34.47 ppb
RT: 6.041 min Scan# 637
Delta R.T. 0.000 min
Lab File: Z175457.D
Acq: 10 Sep 2025 1:54 pm

Tgt Ion:141 Resp: 644

Ion	Ratio	Lower	Upper
141	100		
142	95.4	77.6	137.6
115	46.6	19.1	79.1

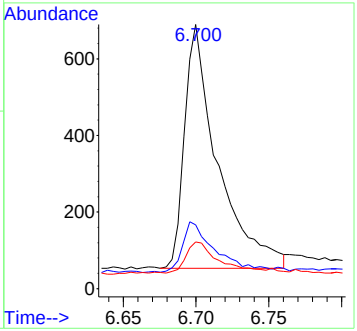


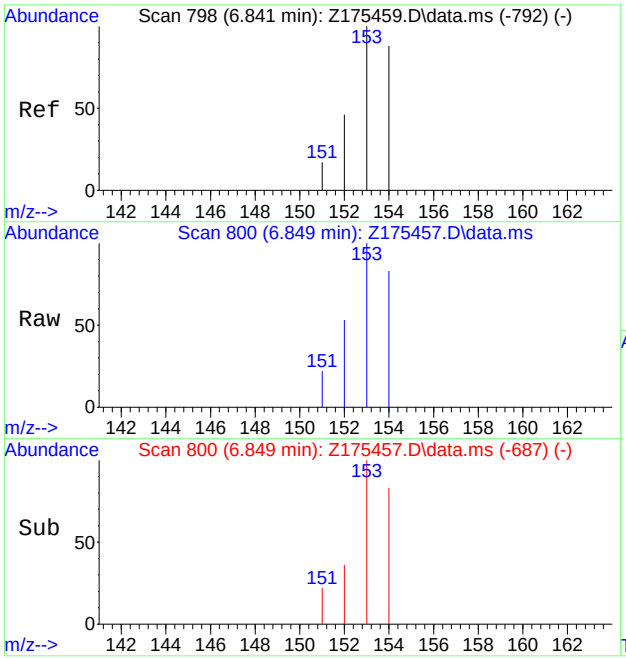


#14
Acenaphthylene
Concen: 34.86 ppb
RT: 6.700 min Scan# 763
Delta R.T. 0.012 min
Lab File: Z175457.D
Acq: 10 Sep 2025 1:54 pm

Tgt Ion:152 Resp: 1008

Ion	Ratio	Lower	Upper
152	100		
151	19.2	0.0	50.1
153	12.7	0.0	42.6

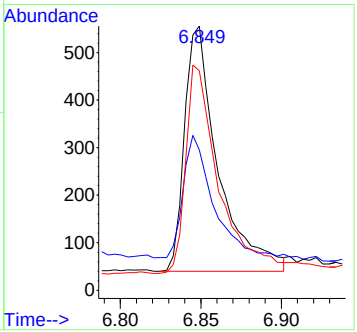


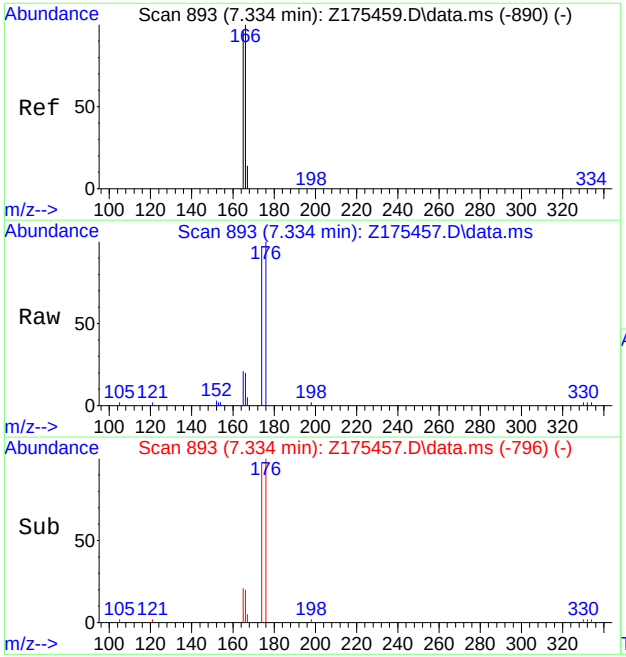


#15
Acenaphthene
Concen: 36.73 ppb
RT: 6.849 min Scan# 800
Delta R.T. 0.008 min
Lab File: Z175457.D
Acq: 10 Sep 2025 1:54 pm

Tgt Ion:153 Resp: 747

Ion	Ratio	Lower	Upper
153	100		
152	44.4	16.6	76.6
154	82.8	57.9	117.9

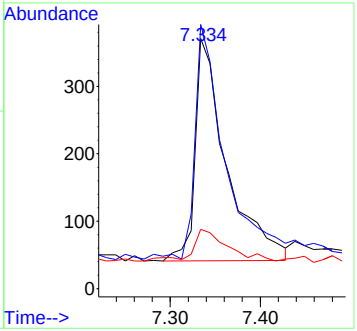


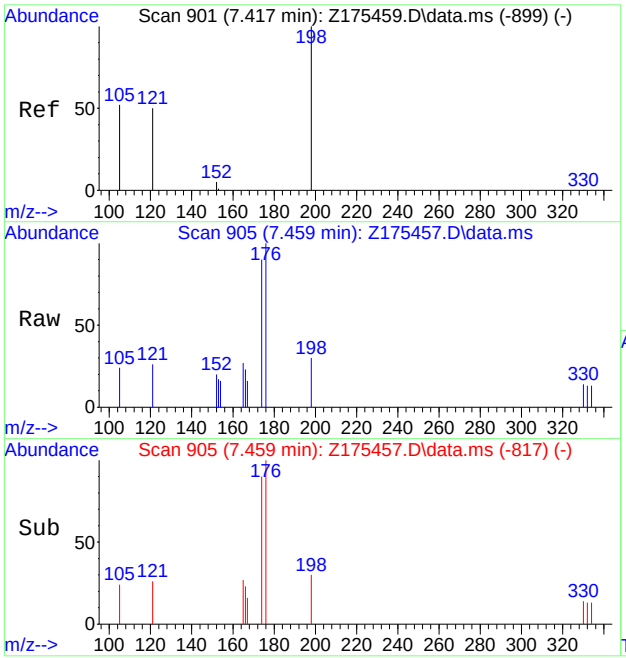


#16
Fluorene
Concen: 34.01 ppb m
RT: 7.334 min Scan# 893
Delta R.T. 0.000 min
Lab File: Z175457.D
Acq: 10 Sep 2025 1:54 pm

Tgt Ion:166 Resp: 797

Ion	Ratio	Lower	Upper
166	100		
165	105.7	65.8	125.8
167	23.7	0.0	43.5

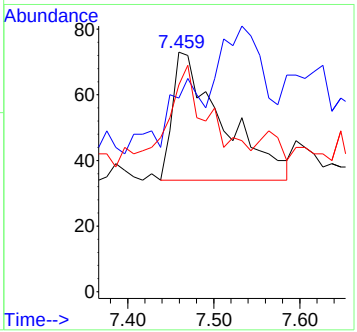


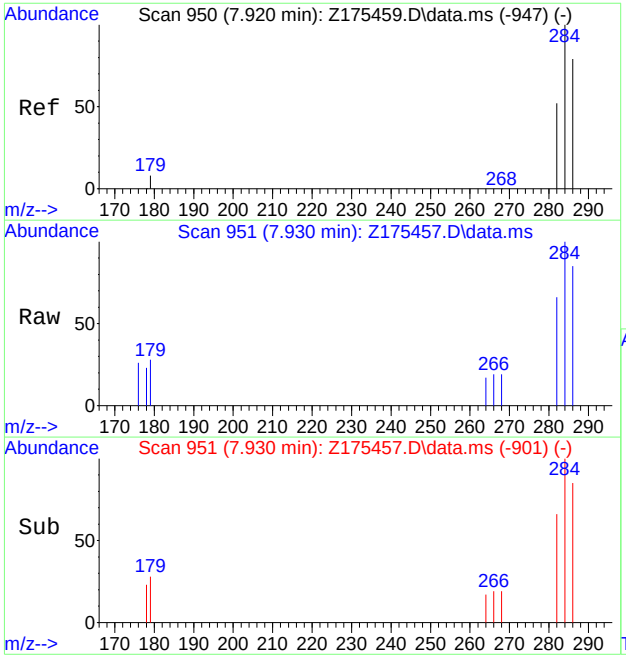


#17
4,6-dinitro-2-methylphenol
Concen: 88.88 ppb m
RT: 7.459 min Scan# 905
Delta R.T. 0.042 min
Lab File: Z175457.D
Acq: 10 Sep 2025 1:54 pm

Tgt Ion:198 Resp: 158

Ion	Ratio	Lower	Upper
198	100		
105	80.8	25.6	65.6#
121	86.3	29.8	69.8#

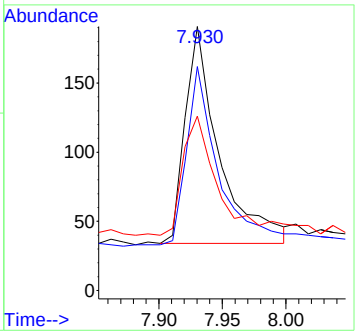


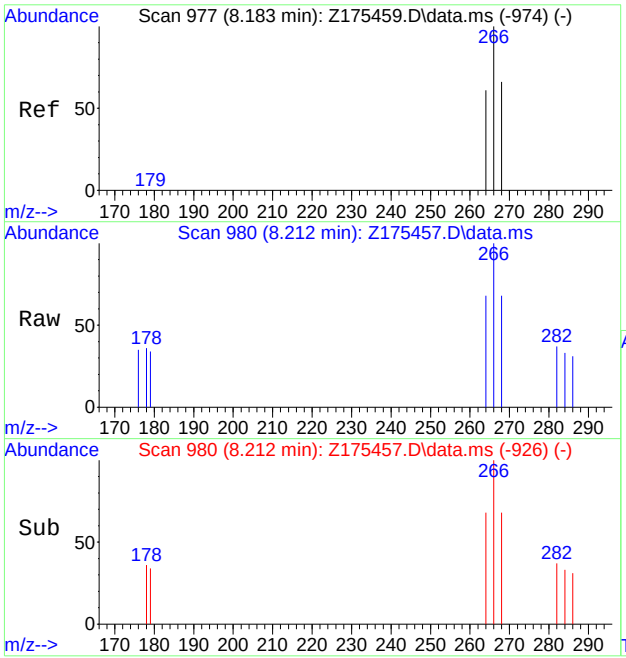


#20
Hexachlorobenzene
Concen: 34.38 ppb
RT: 7.930 min Scan# 951
Delta R.T. 0.010 min
Lab File: Z175457.D
Acq: 10 Sep 2025 1:54 pm

Tgt Ion:284 Resp: 291

Ion	Ratio	Lower	Upper
284	100		
286	82.8	48.9	108.9
282	54.3	22.1	82.1

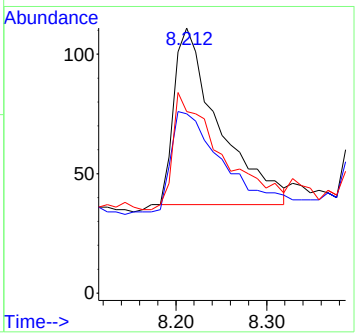


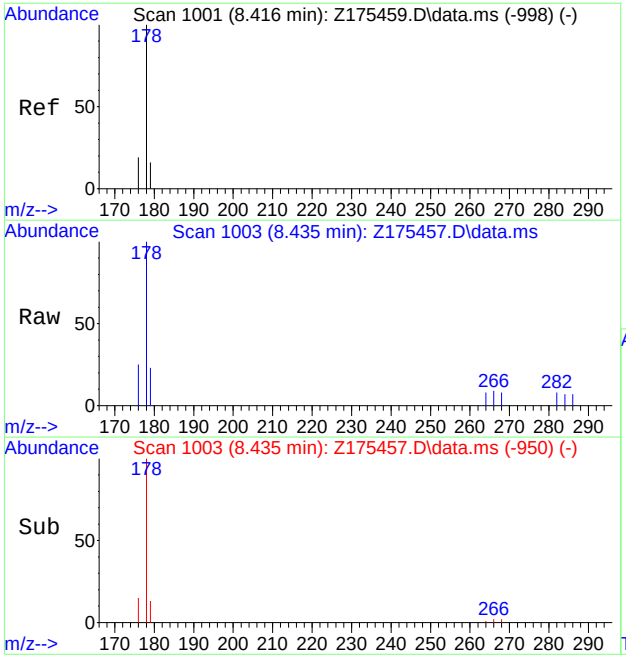


#21
Pentachlorophenol
Concen: 91.07 ppb
RT: 8.212 min Scan# 980
Delta R.T. 0.029 min
Lab File: Z175457.D
Acq: 10 Sep 2025 1:54 pm

Tgt Ion:266 Resp: 255

Ion	Ratio	Lower	Upper
266	100		
264	52.5	30.8	90.8
268	51.8	36.3	96.3

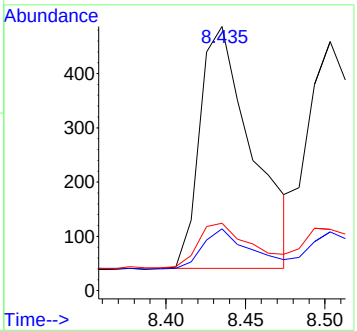


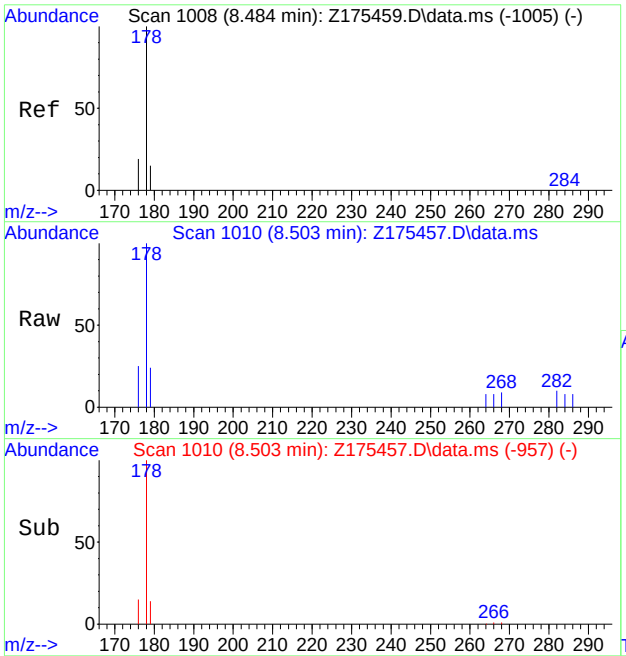


#22
Phenanthrene
Concen: 34.37 ppb
RT: 8.435 min Scan# 1003
Delta R.T. 0.020 min
Lab File: Z175457.D
Acq: 10 Sep 2025 1:54 pm

Tgt Ion:178 Resp: 1021

Ion	Ratio	Lower	Upper
178	100		
179	17.3	0.0	45.6
176	18.4	0.0	48.6

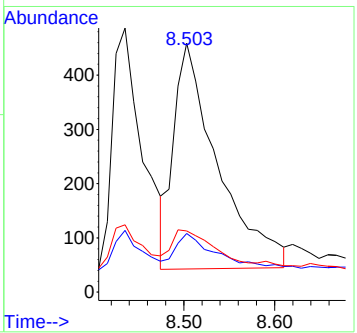


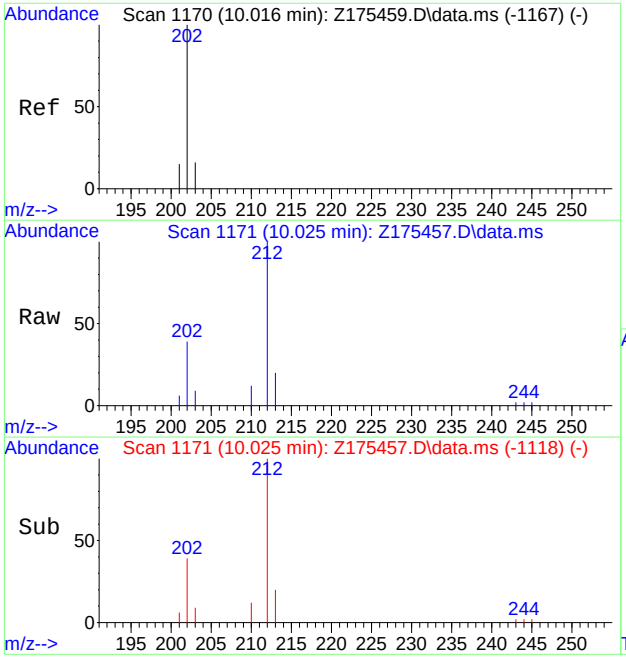


#23
Anthracene
Concen: 38.02 ppb
RT: 8.503 min Scan# 1010
Delta R.T. 0.020 min
Lab File: Z175457.D
Acq: 10 Sep 2025 1:54 pm

Tgt Ion:178 Resp: 1402

Ion	Ratio	Lower	Upper
178	100		
179	17.0	0.0	44.8
176	16.7	0.0	48.7

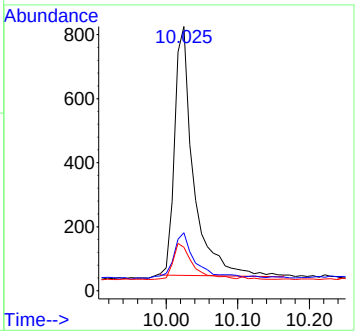


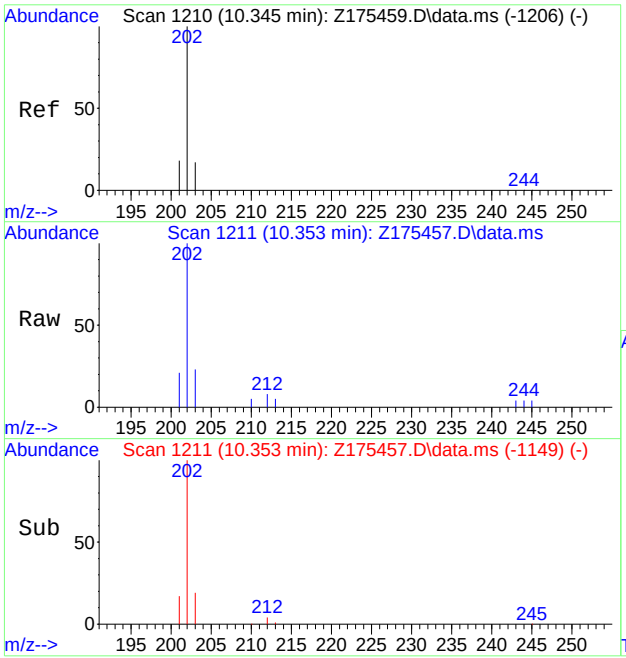


#24
Fluoranthene
Concen: 40.10 ppb
RT: 10.025 min Scan# 1171
Delta R.T. 0.008 min
Lab File: Z175457.D
Acq: 10 Sep 2025 1:54 pm

Tgt Ion:202 Resp: 1418

Ion	Ratio	Lower	Upper
202	100		
203	17.6	0.0	46.4
201	12.7	0.0	45.1

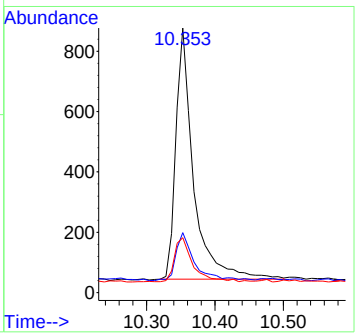


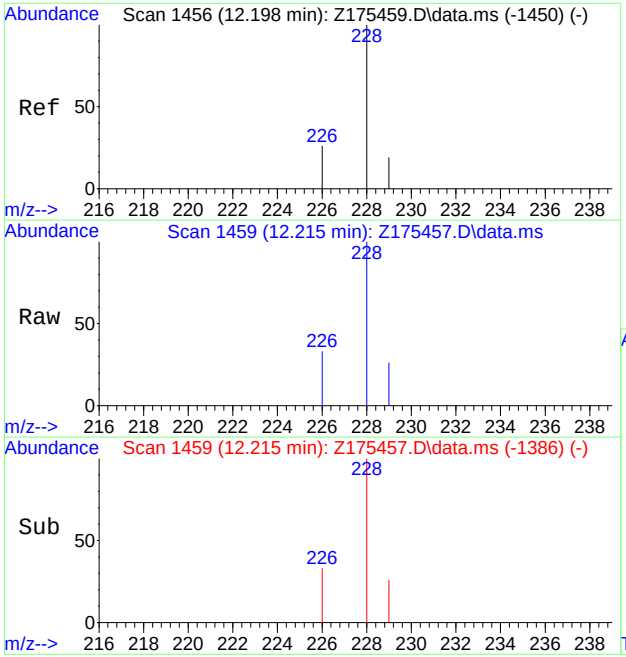


#25
Pyrene
Concen: 40.43 ppb
RT: 10.353 min Scan# 1211
Delta R.T. 0.008 min
Lab File: Z175457.D
Acq: 10 Sep 2025 1:54 pm

Tgt Ion:202 Resp: 1505

Ion	Ratio	Lower	Upper
202	100		
203	18.7	0.0	47.4
201	17.2	0.0	47.8

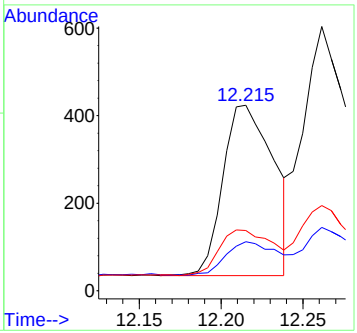


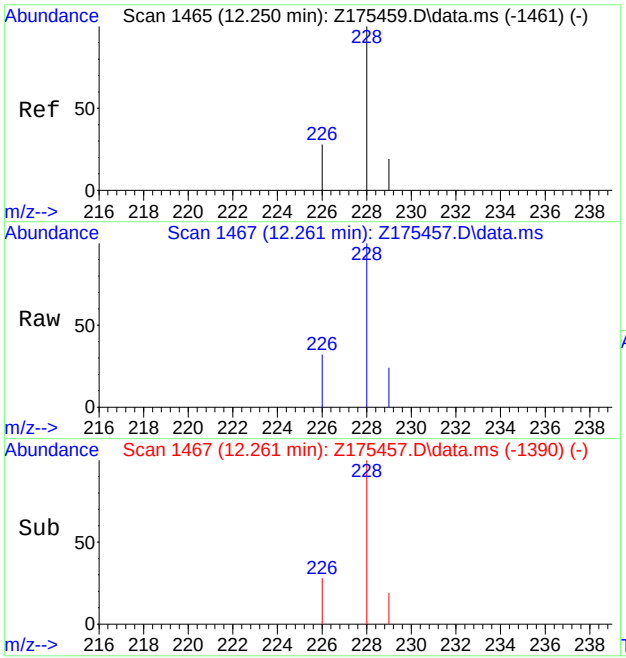


#27
Benzo[a]anthracene
Concen: 35.39 ppb
RT: 12.215 min Scan# 1459
Delta R.T. 0.018 min
Lab File: Z175457.D
Acq: 10 Sep 2025 1:54 pm

Tgt Ion:228 Resp: 835

Ion	Ratio	Lower	Upper
228	100		
229	18.9	0.0	49.3
226	26.3	0.0	55.6

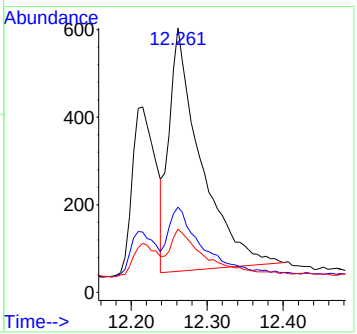


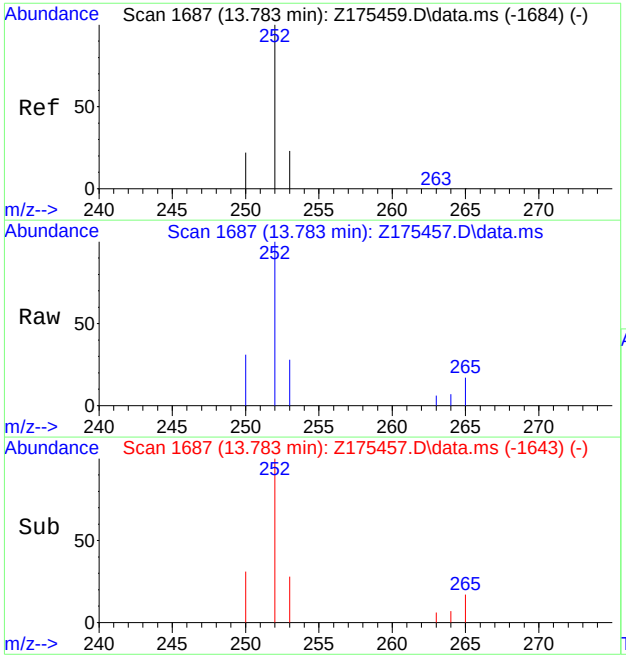


#28
Chrysene
Concen: 39.81 ppb
RT: 12.261 min Scan# 1467
Delta R.T. 0.012 min
Lab File: Z175457.D
Acq: 10 Sep 2025 1:54 pm

Tgt Ion:228 Resp: 1613

Ion	Ratio	Lower	Upper
228	100		
226	28.5	0.0	58.4
229	18.5	0.0	49.1

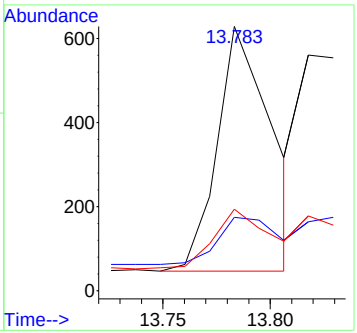


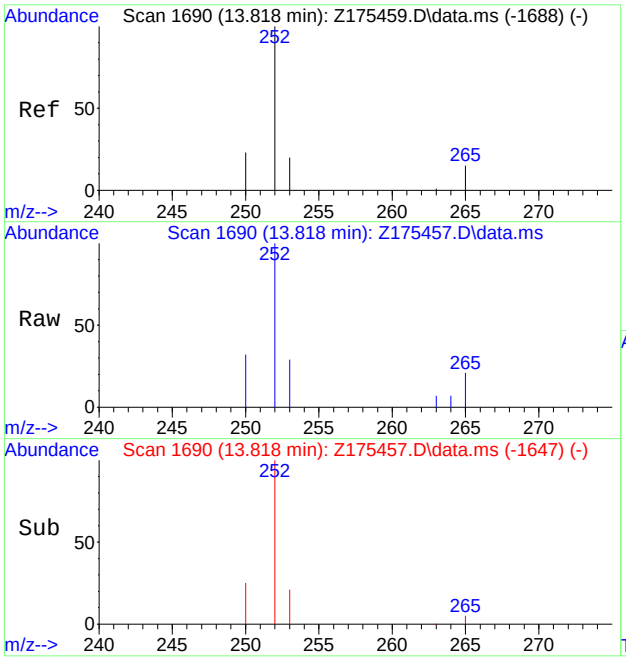


#30
Benzo[b]fluoranthene
Concen: 43.82 ppb
RT: 13.783 min Scan# 1687
Delta R.T. 0.000 min
Lab File: Z175457.D
Acq: 10 Sep 2025 1:54 pm

Tgt Ion:252 Resp: 1017

Ion	Ratio	Lower	Upper
252	100		
253	18.7	0.0	52.6
250	24.0	0.0	51.9

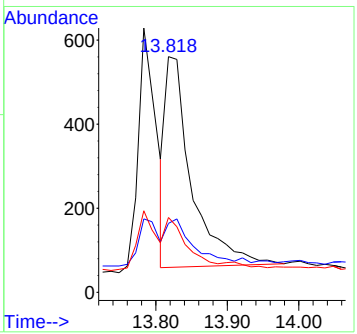


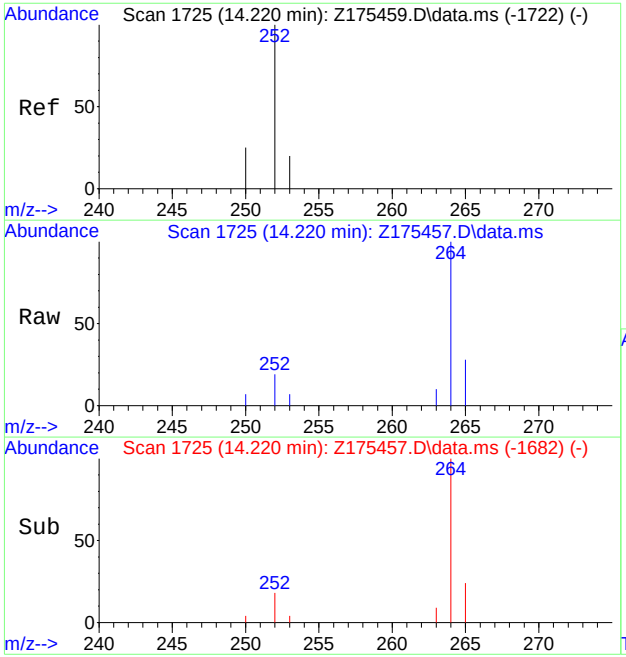


#31
Benzo[k]fluoranthene
Concen: 34.87 ppb
RT: 13.818 min Scan# 1690
Delta R.T. 0.000 min
Lab File: Z175457.D
Acq: 10 Sep 2025 1:54 pm

Tgt Ion:252 Resp: 1277

Ion	Ratio	Lower	Upper
252	100		
253	18.3	0.0	51.0
250	24.2	0.0	53.1

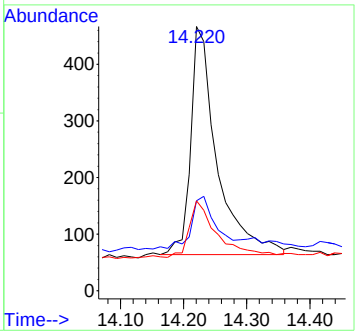


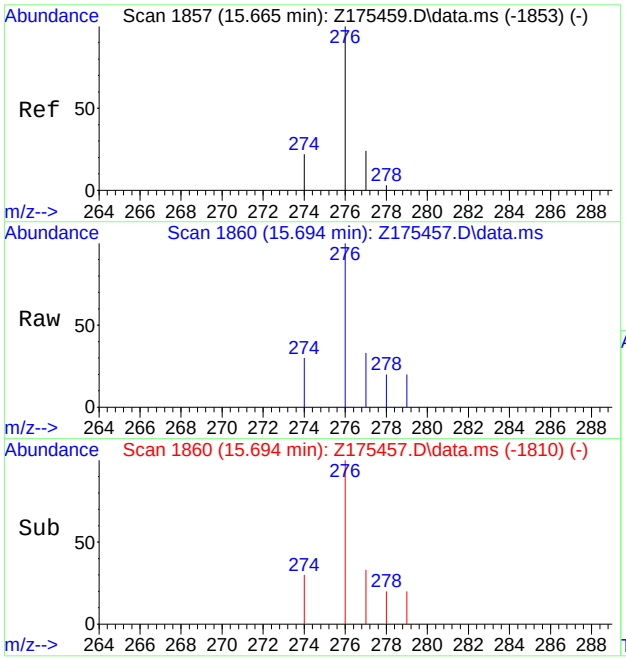


#32
Benzo[a]pyrene
Concen: 41.75 ppb
RT: 14.220 min Scan# 1725
Delta R.T. 0.000 min
Lab File: Z175457.D
Acq: 10 Sep 2025 1:54 pm

Tgt Ion:252 Resp: 1169

Ion	Ratio	Lower	Upper
252	100		
253	19.7	0.0	50.2
250	24.1	0.0	54.3

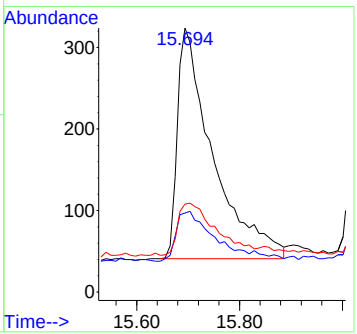


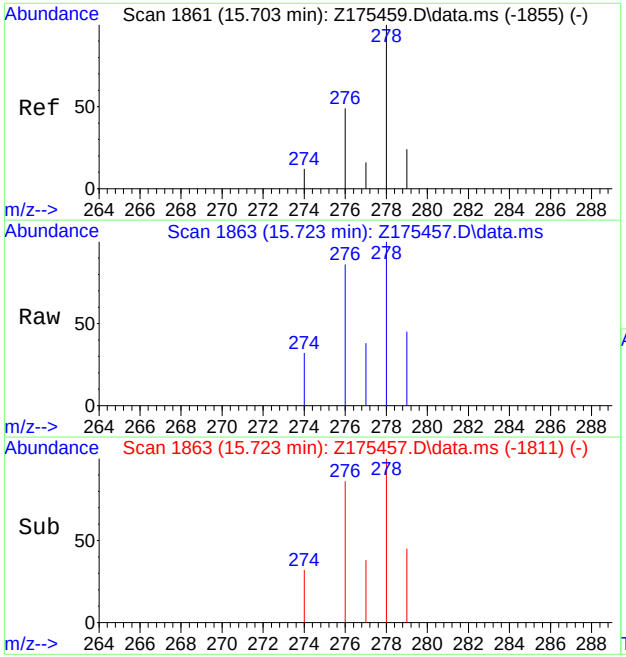


#33
Indeno[1,2,3-cd]pyrene
Concen: 42.74 ppb
RT: 15.694 min Scan# 1860
Delta R.T. 0.029 min
Lab File: Z175457.D
Acq: 10 Sep 2025 1:54 pm

Tgt Ion:276 Resp: 1354

Ion	Ratio	Lower	Upper
276	100		
274	20.8	0.0	51.7
277	21.7	0.0	53.6

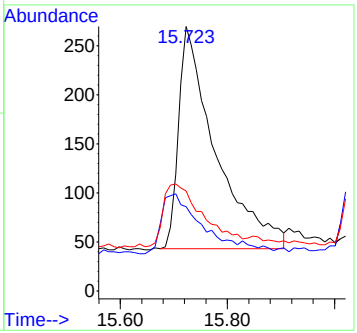


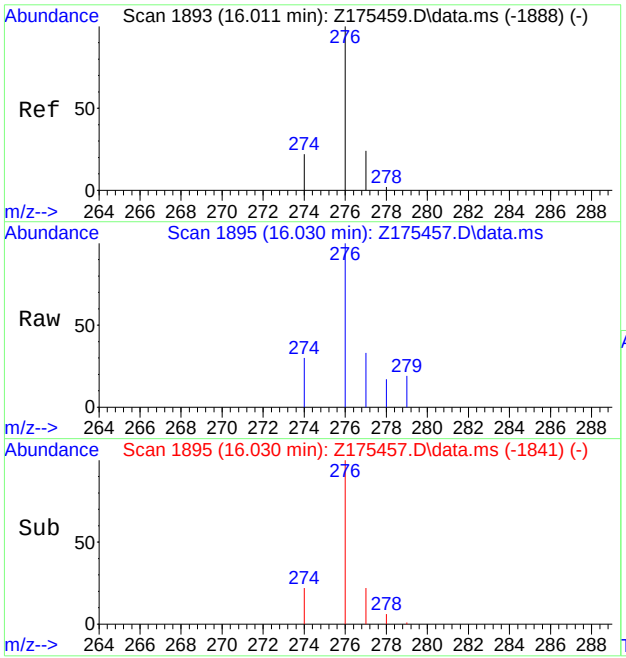


#34
Dibenz[a,h]anthracene
Concen: 41.43 ppb
RT: 15.723 min Scan# 1863
Delta R.T. 0.019 min
Lab File: Z175457.D
Acq: 10 Sep 2025 1:54 pm

Tgt Ion:278 Resp: 1087

Ion	Ratio	Lower	Upper
278	100		
274	13.5	0.0	44.0
277	20.1	0.0	46.5

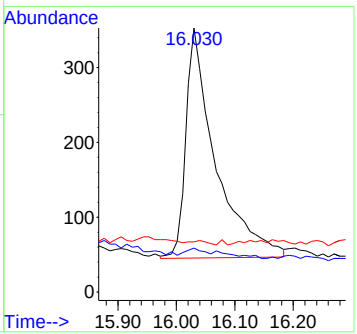




#35
Benzo[g,h,i]perylene
Concen: 39.05 ppb
RT: 16.030 min Scan# 1895
Delta R.T. 0.019 min
Lab File: Z175457.D
Acq: 10 Sep 2025 1:54 pm

Tgt Ion:276 Resp: 1079

Ion	Ratio	Lower	Upper
276	100		
278	2.7	0.0	32.8
279	0.0	0.0	30.0



Manual Integration Approval Summary

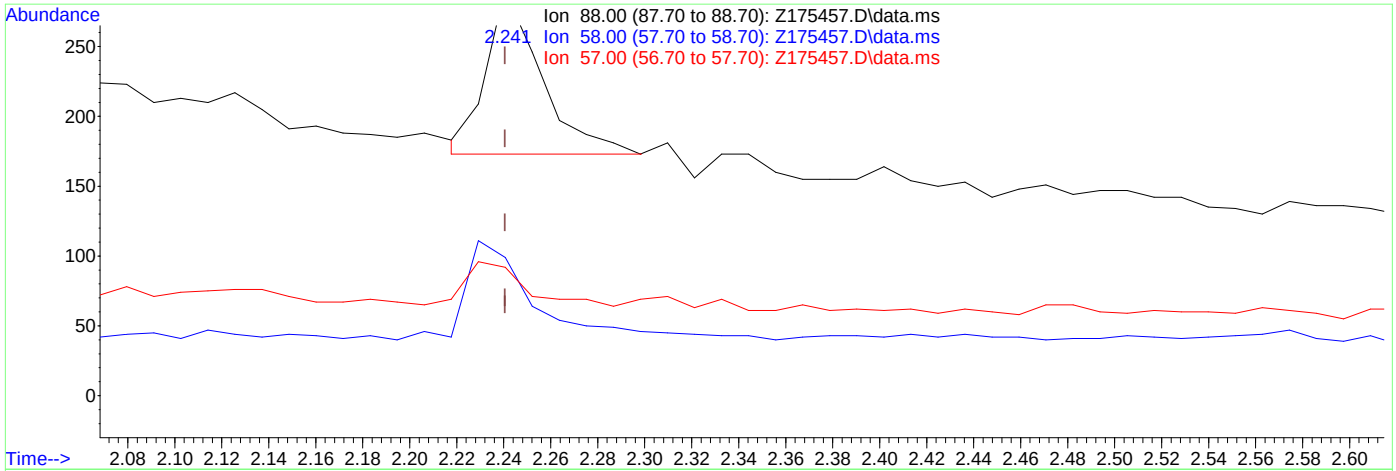
Sample Number: EZ8654-IC8654
Lab FileID: Z175457.D
Injection Time: 09/10/25 13:54
Method: SW846 8270E BY SIM
Analyst approved: 09/11/25 12:07 Ying Li
Supervisor approved: 09/15/25 15:51 Nina Pandya

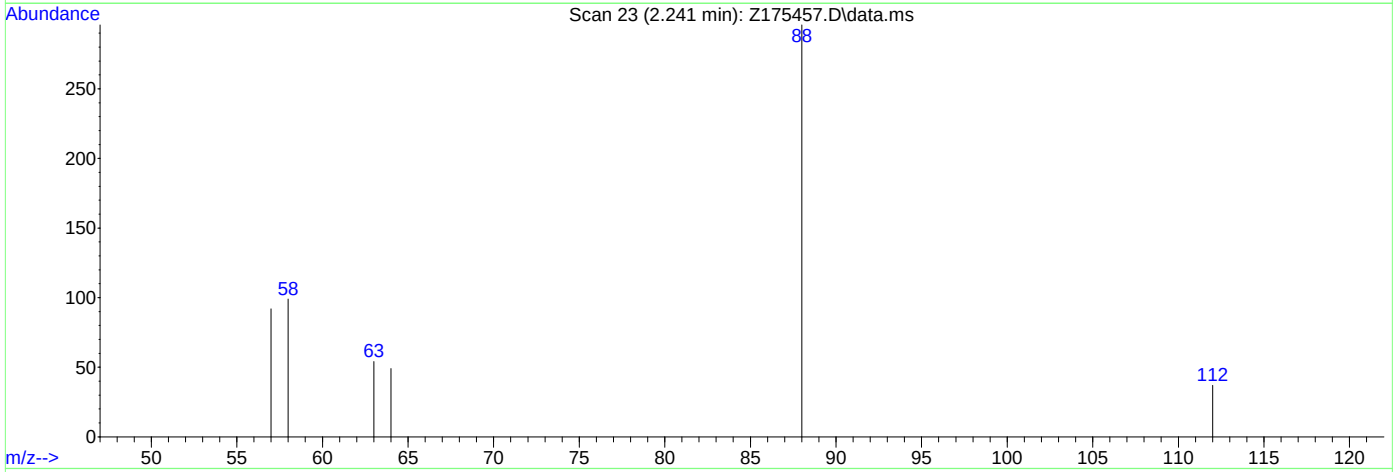
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,4-Dioxane	123-91-1		2.24	Poor instrument integration
Phenol-d5	4165-62-2		4.34	Poor instrument integration
Phenol	108-95-2		4.35	Poor instrument integration
Nitrobenzene-d5	4165-60-0		4.96	Poor instrument integration
Naphthalene	91-20-3		5.48	Poor instrument integration
Fluorene	86-73-7		7.33	Poor instrument integration
4,6-Dinitro-o-cresol	534-52-1		7.46	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175457.D
Acq On : 10 Sep 2025 1:54 pm
Operator : rocquans
Sample : ic8654-0.04
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 10 16:32:46 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175457.D\data.ms

(2) 1,4-Dioxane (t)

2.241min (+0.000) 46.02ppb

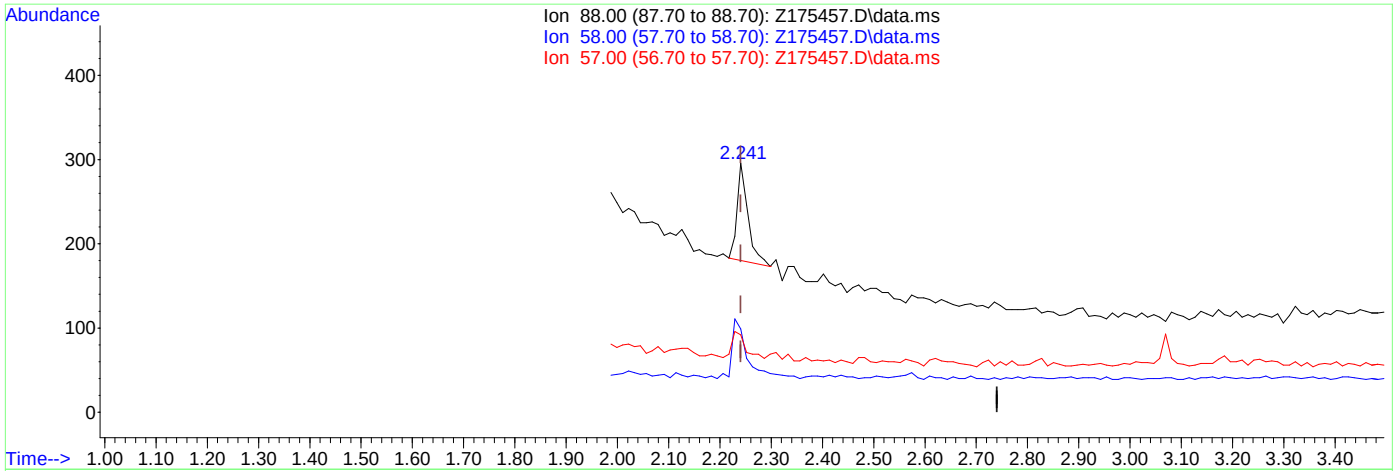
response 192

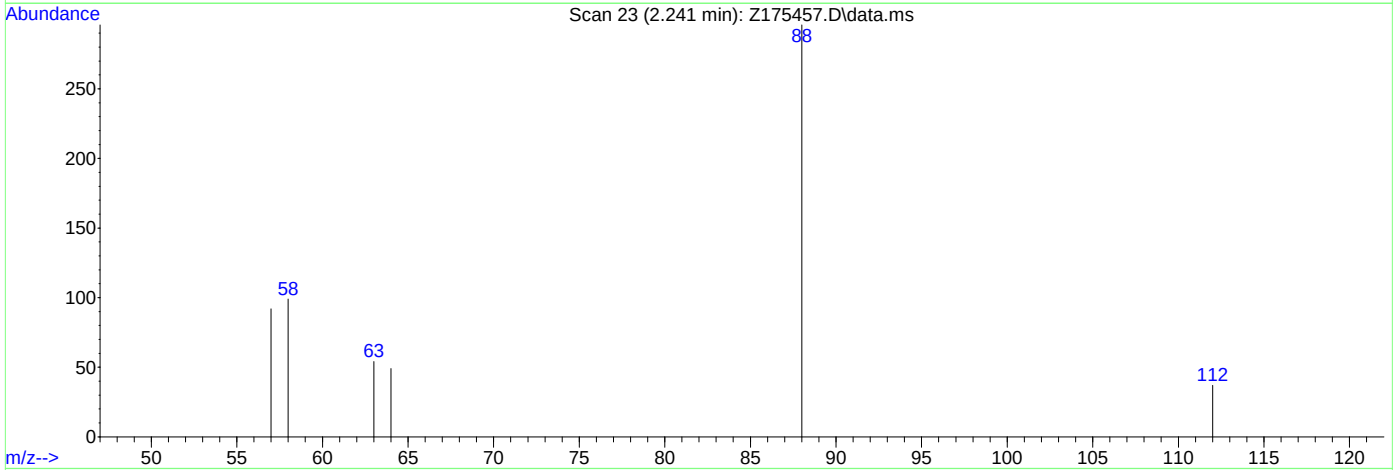
Ion	Exp%	Act%
88.00	100	100
58.00	35.60	46.61
57.00	20.00	19.49
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175457.D
Acq On : 10 Sep 2025 1:54 pm
Operator : rocquans
Sample : ic8654-0.04
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 10 16:32:46 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175457.D\data.ms

(2) 1,4-Dioxane (t)

2.241min (+0.000) 40.27ppb m

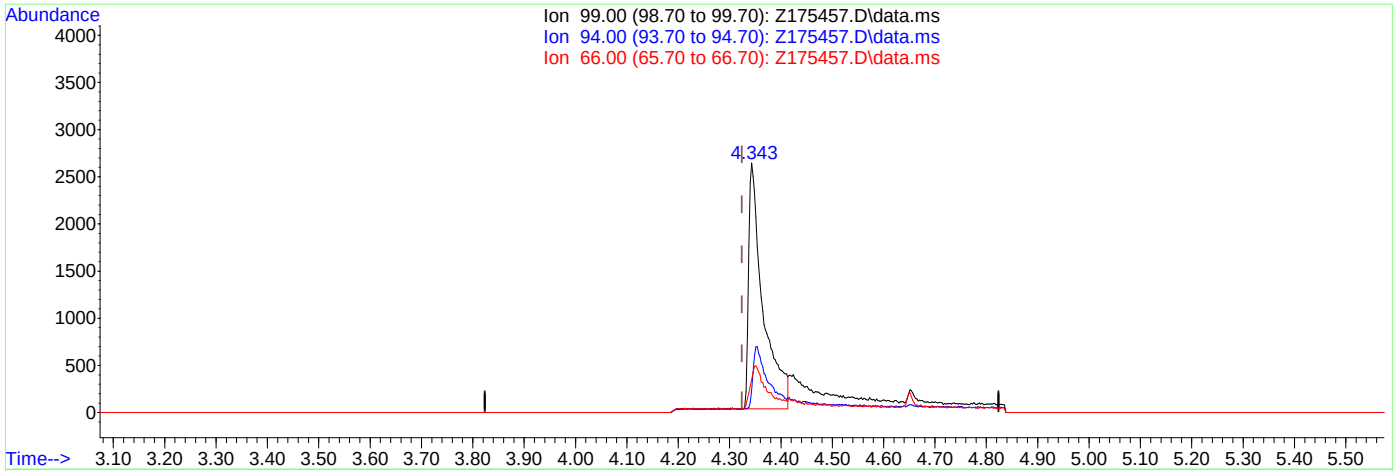
response 168

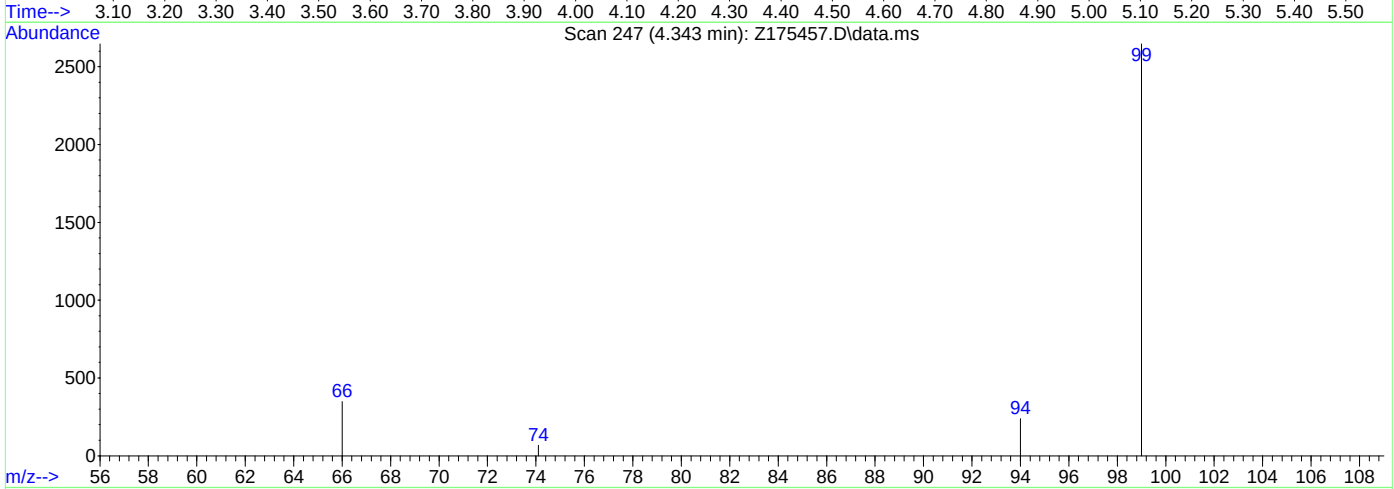
Ion	Exp%	Act%
88.00	100	100
58.00	35.60	33.45
57.00	20.00	31.08
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175457.D
Acq On : 10 Sep 2025 1:54 pm
Operator : rocquans
Sample : ic8654-0.04
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 10 16:32:46 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175457.D\data.ms

(4) Phenol-d5 (S)

4.343min (+0.019) 592.22ppb

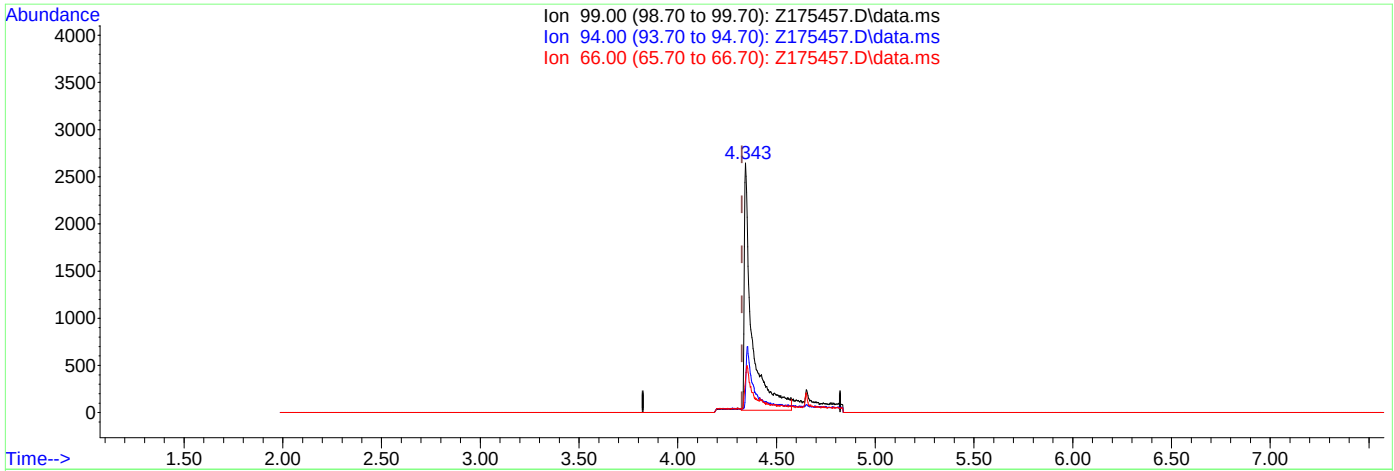
response 5067

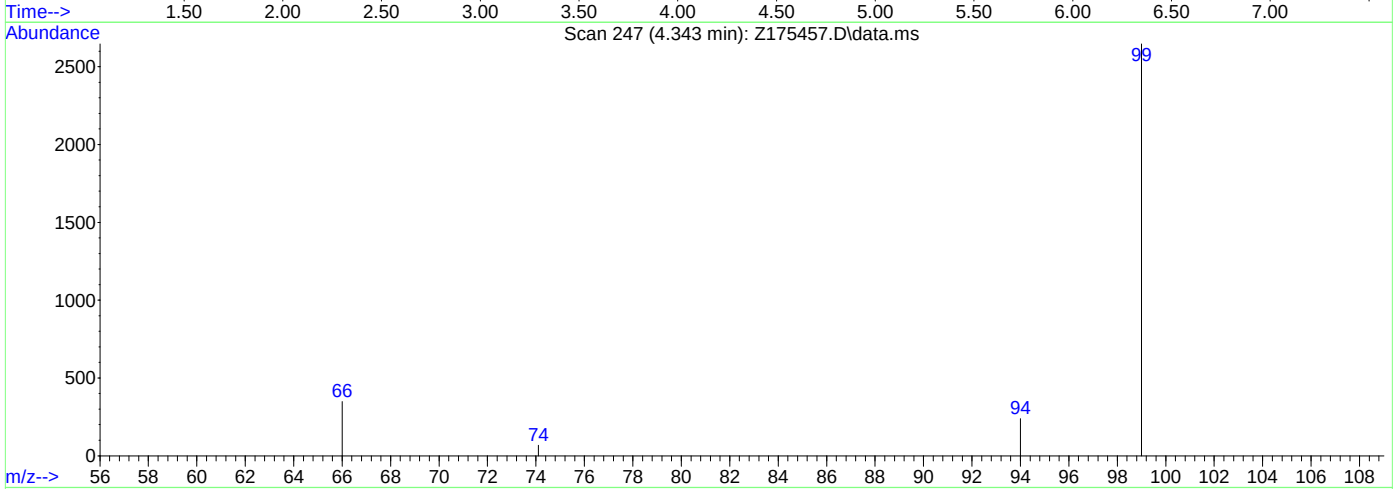
Ion	Exp%	Act%
99.00	100	100
94.00	0.40	5.76
66.00	7.40	10.89
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175457.D
Acq On : 10 Sep 2025 1:54 pm
Operator : rocquans
Sample : ic8654-0.04
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 10 16:32:46 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175457.D\data.ms

(4) Phenol-d5 (S)

4.343min (+0.019) 815.92ppb m

response 6981

Ion	Exp%	Act%
99.00	100	100
94.00	0.40	9.03
66.00	7.40	13.18
0.00	0.00	0.00

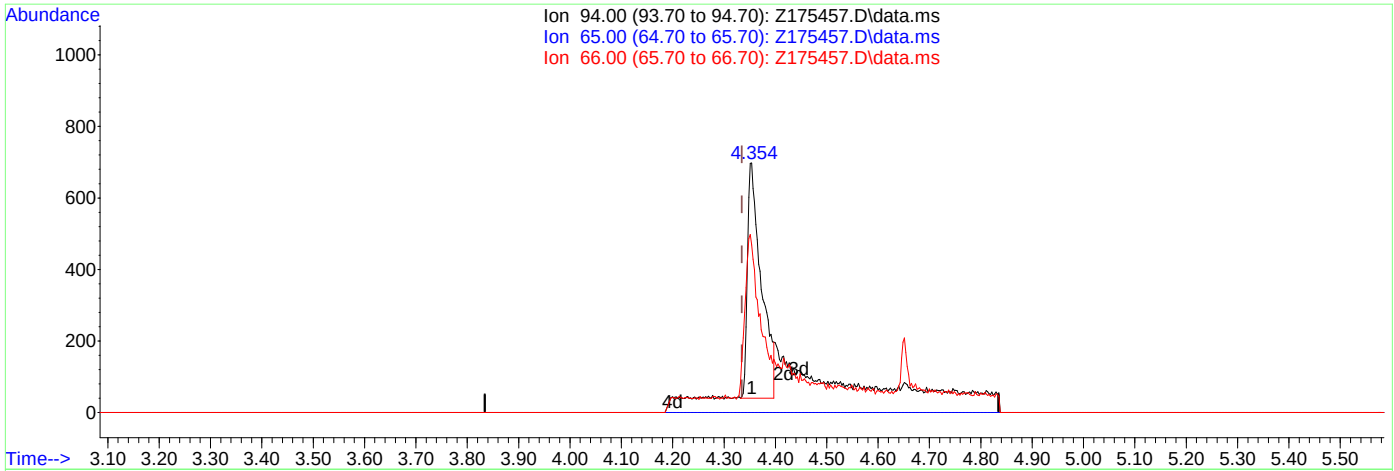
9.6.19.5

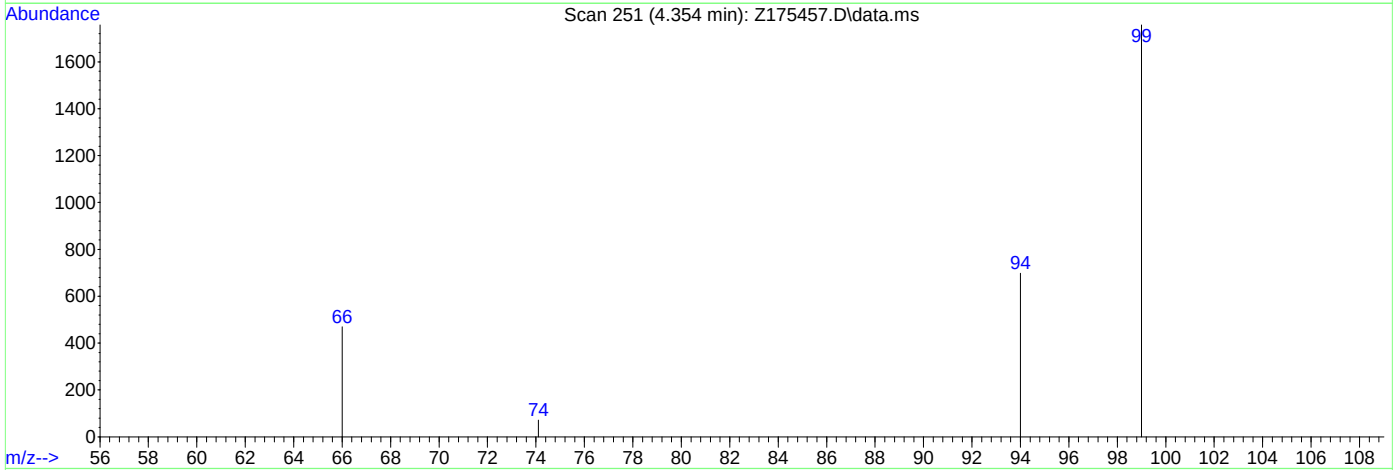
9

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175457.D
Acq On : 10 Sep 2025 1:54 pm
Operator : rocquans
Sample : ic8654-0.04
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 10 16:32:46 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175457.D\data.ms

(5) Phenol

4.354min (+0.019) 141.57ppb

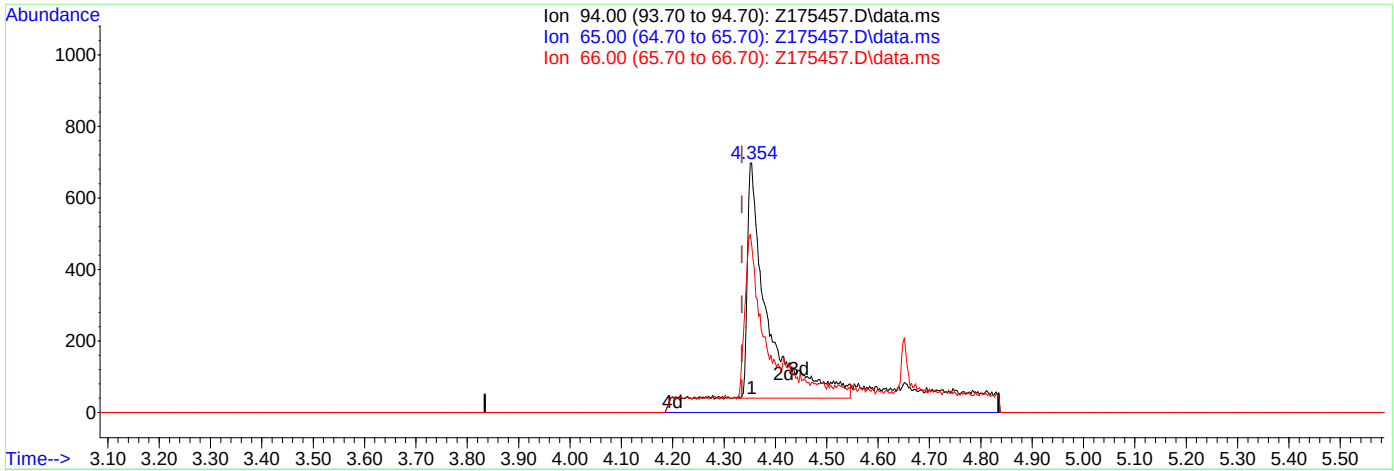
response 1228

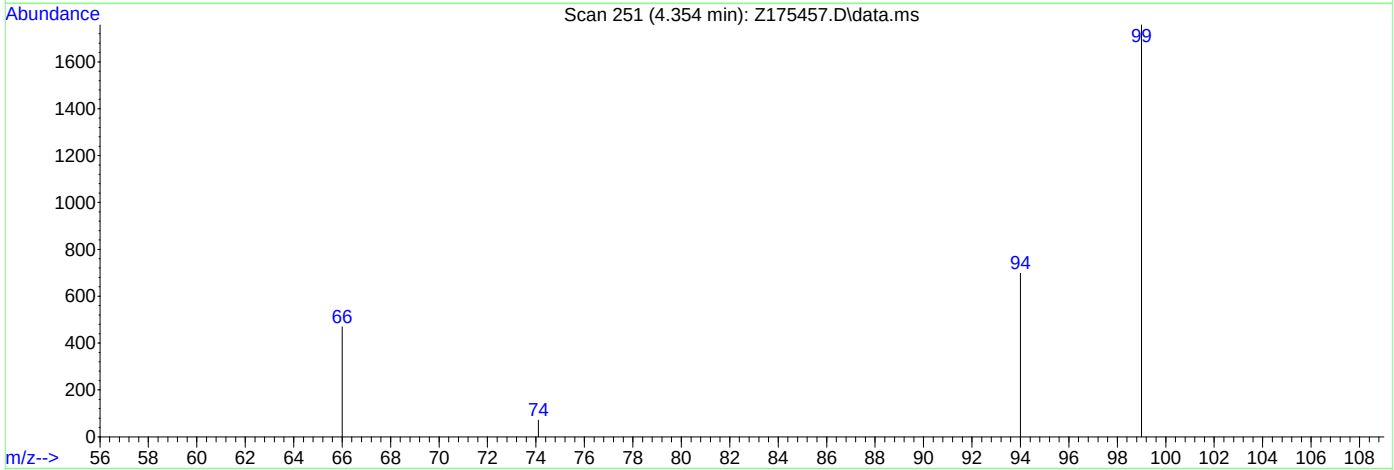
Ion	Exp%	Act%
94.00	100	100
65.00	0.00	0.00
66.00	62.30	61.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175457.D
Acq On : 10 Sep 2025 1:54 pm
Operator : rocquans
Sample : ic8654-0.04
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 10 16:32:46 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175457.D\data.ms

(5) Phenol

4.354min (+0.019) 208.32ppb m

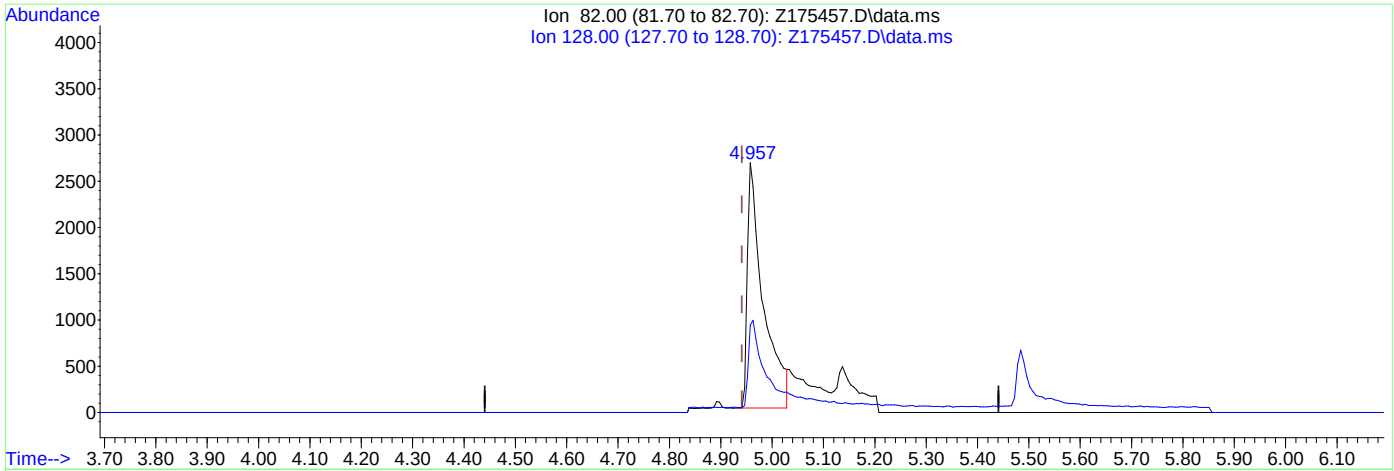
response 1807

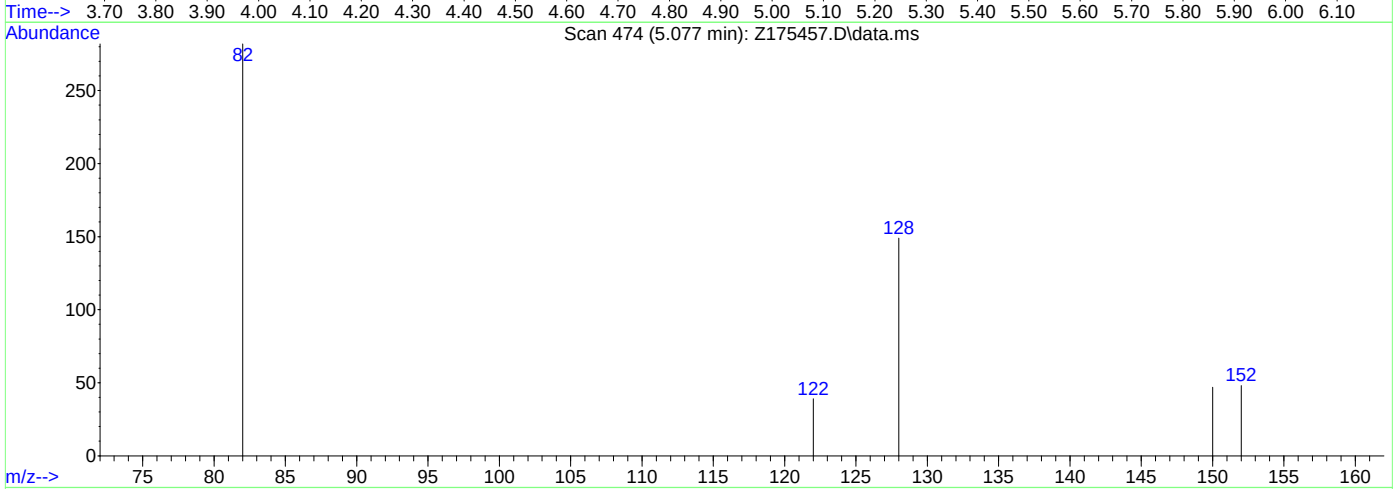
Ion	Exp%	Act%
94.00	100	100
65.00	0.00	0.00
66.00	62.30	67.19
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175457.D
Acq On : 10 Sep 2025 1:54 pm
Operator : rocquans
Sample : ic8654-0.04
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 10 16:32:46 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175457.D\data.ms

(6) Nitrobenzene-d5 (S)

4.957min (+0.016) 596.58ppb

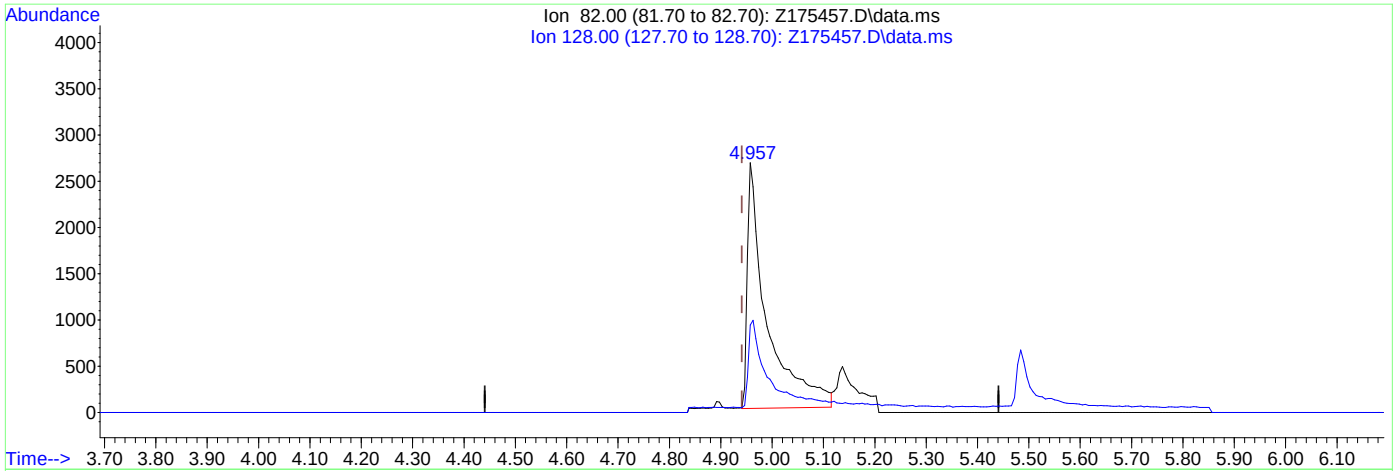
response 5668

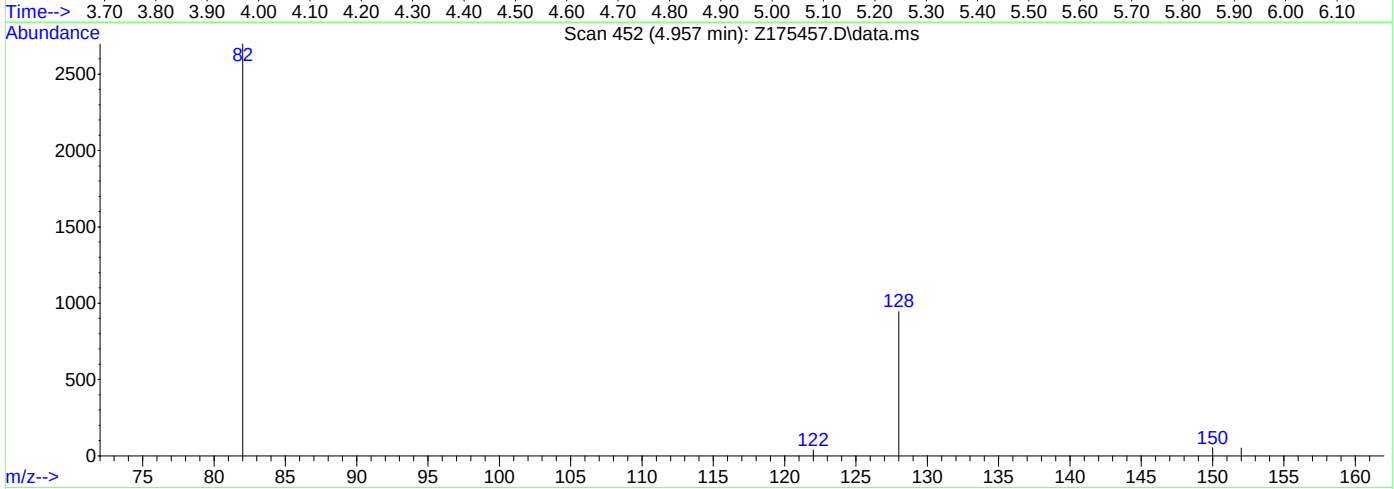
Ion	Exp%	Act%
82.00	100	100
128.00	23.60	33.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175457.D
Acq On : 10 Sep 2025 1:54 pm
Operator : rocquans
Sample : ic8654-0.04
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 10 16:32:46 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175457.D\data.ms

(6) Nitrobenzene-d5 (S)

4.957min (+0.016) 739.41ppb m

response 7025

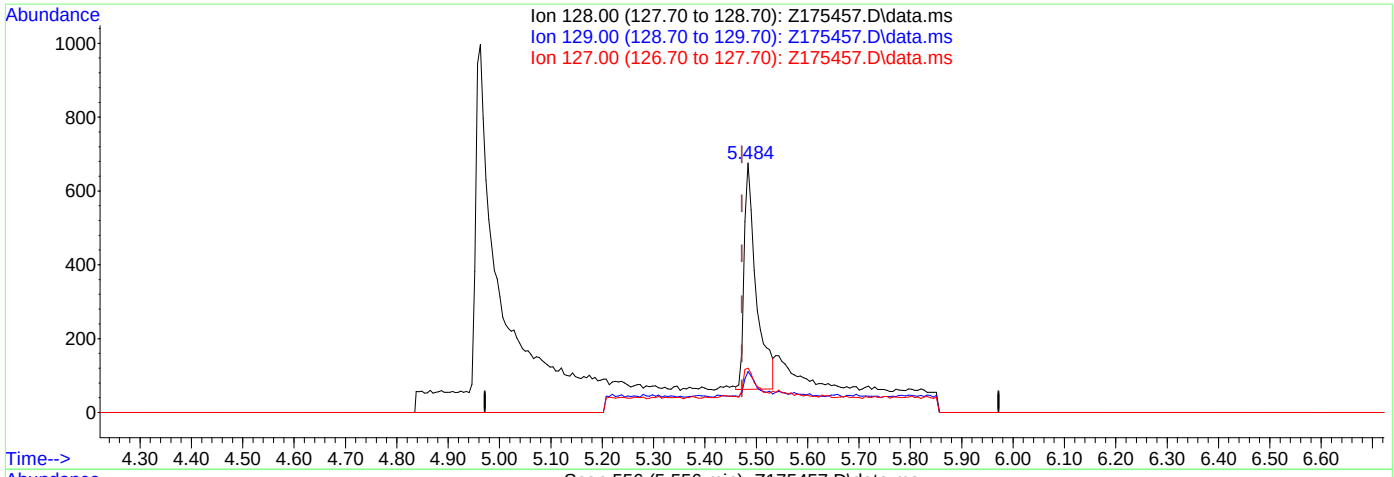
Ion	Exp%	Act%
82.00	100	100
128.00	23.60	35.01
0.00	0.00	0.00
0.00	0.00	0.00

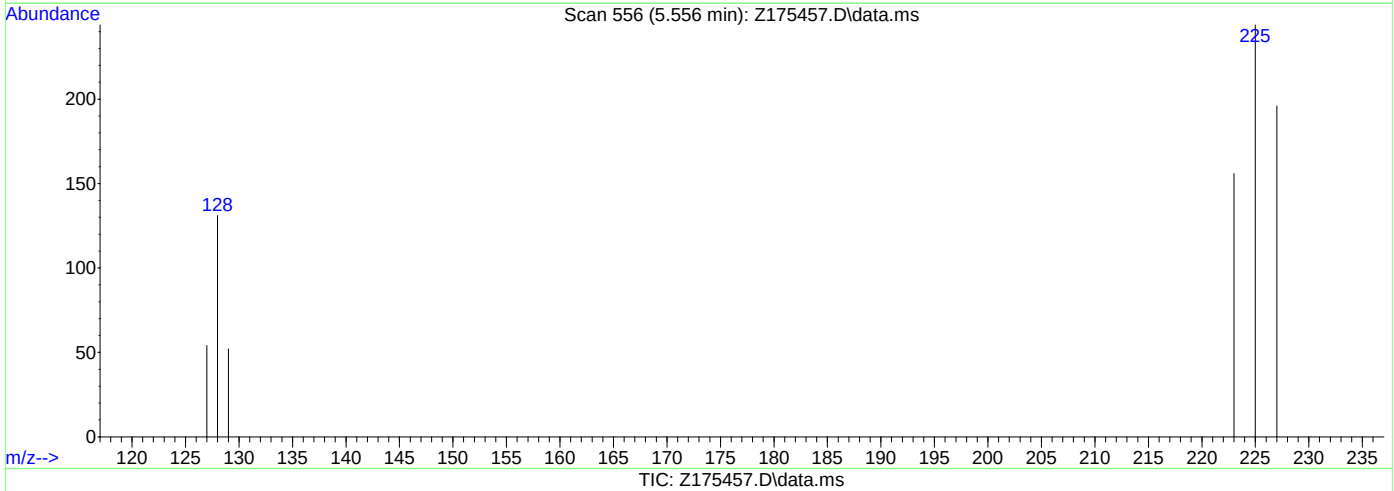
9.6.19.9

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175457.D
Acq On : 10 Sep 2025 1:54 pm
Operator : rocquans
Sample : ic8654-0.04
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 10 16:32:46 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175457.D\data.ms

(7) Naphthalene (t)

5.484min (+0.012) 34.14ppb

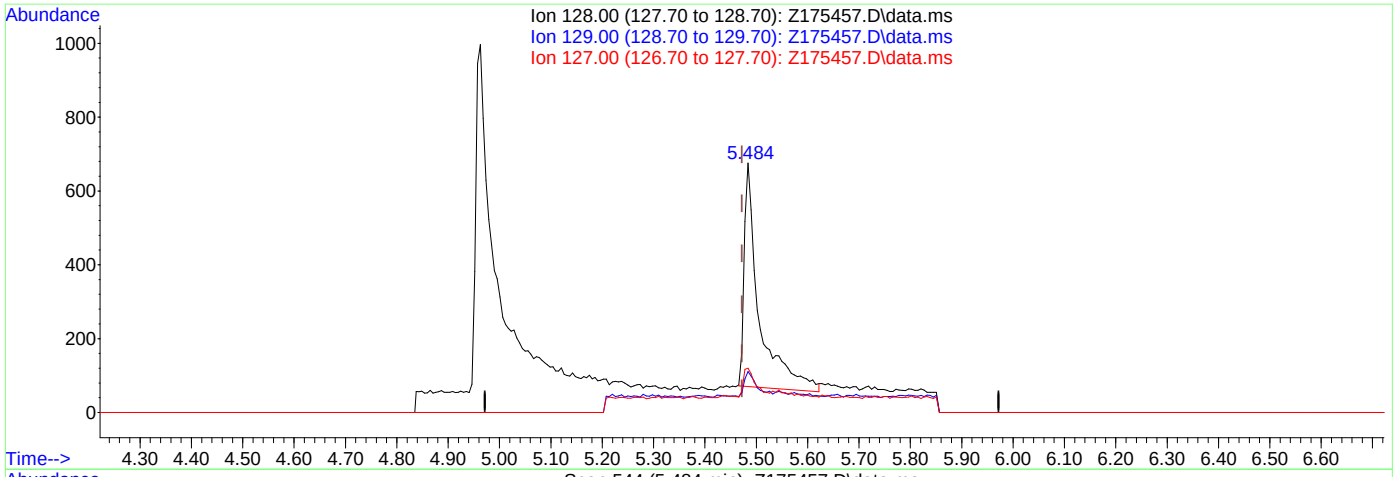
response 1005

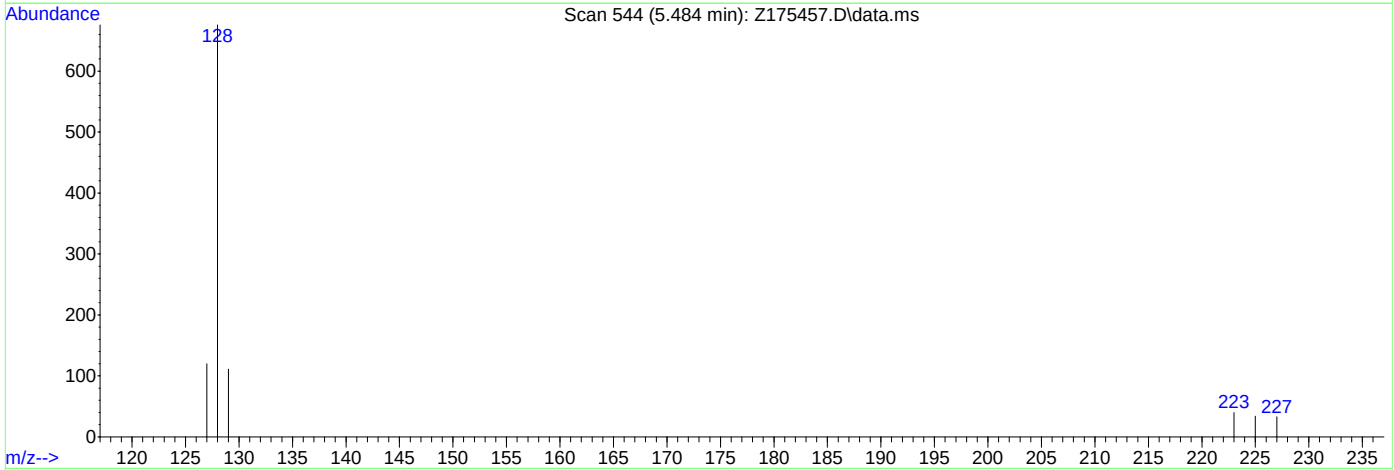
Ion	Exp%	Act%
128.00	100	100
129.00	10.60	11.18
127.00	13.30	12.24
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175457.D
Acq On : 10 Sep 2025 1:54 pm
Operator : rocquans
Sample : ic8654-0.04
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 10 16:32:46 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175457.D\data.ms

(7) Naphthalene (t)

5.484min (+0.012) 41.86ppb m

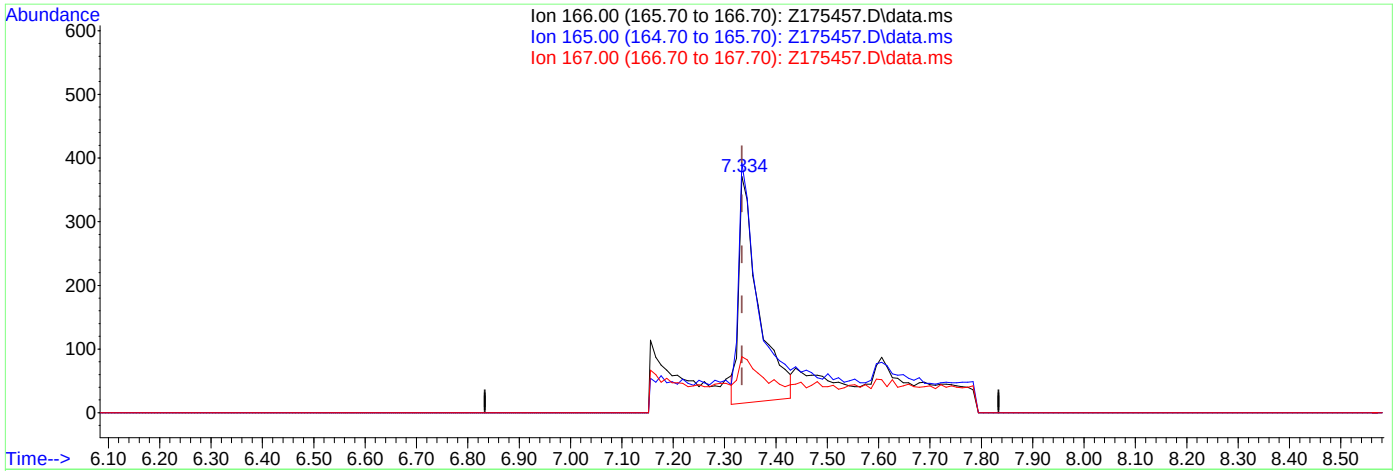
response 1232

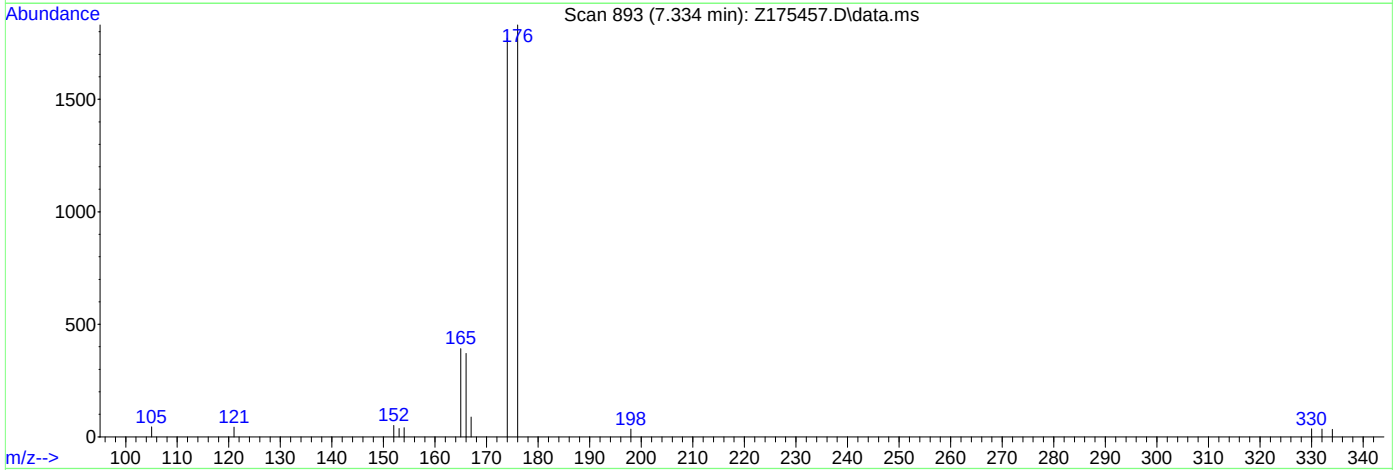
Ion	Exp%	Act%
128.00	100	100
129.00	10.60	16.42
127.00	13.30	17.75
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175457.D
Acq On : 10 Sep 2025 1:54 pm
Operator : rocquans
Sample : ic8654-0.04
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 10 16:32:46 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175457.D\data.ms

(16) Fluorene (t)

7.334min (+0.000) 40.20ppb

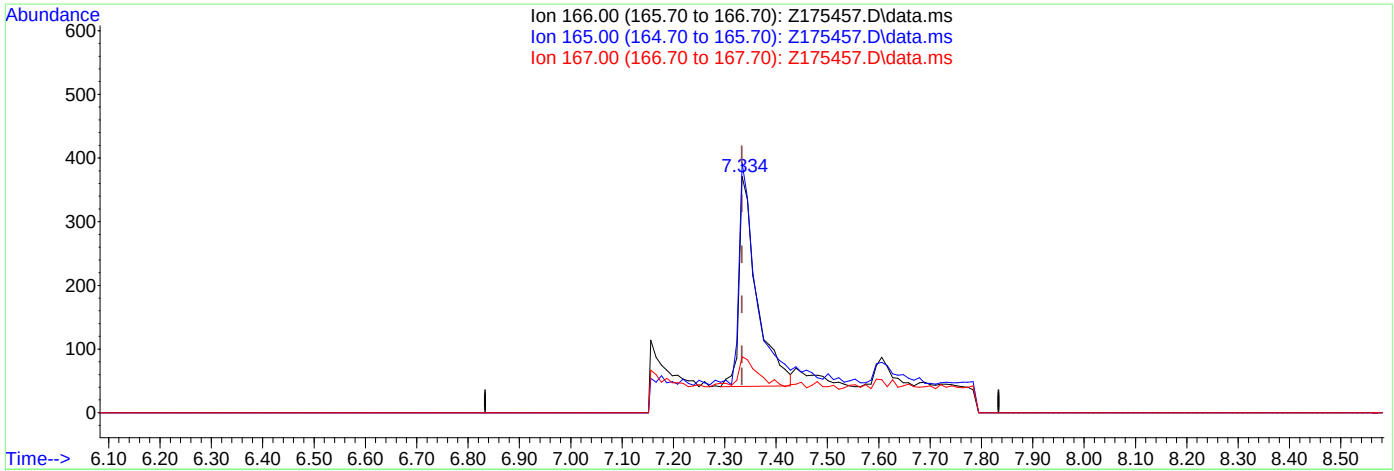
response 942

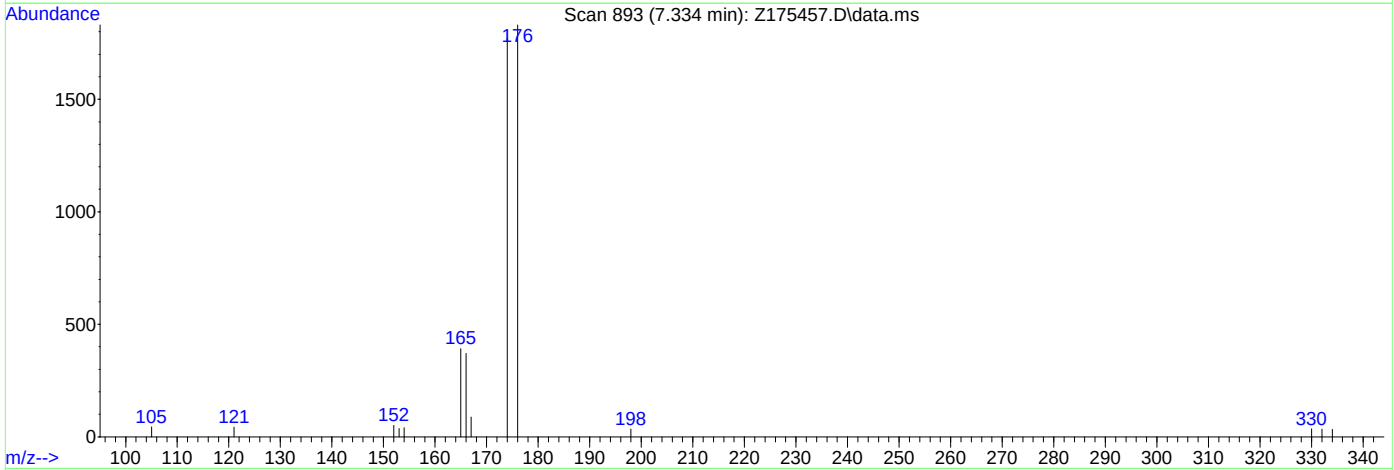
Ion	Exp%	Act%
166.00	100	100
165.00	95.80	107.85
167.00	13.50	14.26
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175457.D
Acq On : 10 Sep 2025 1:54 pm
Operator : rocquans
Sample : ic8654-0.04
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 10 16:32:46 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175457.D\data.ms

(16) Fluorene (t)

7.334min (+0.000) 34.01ppb m

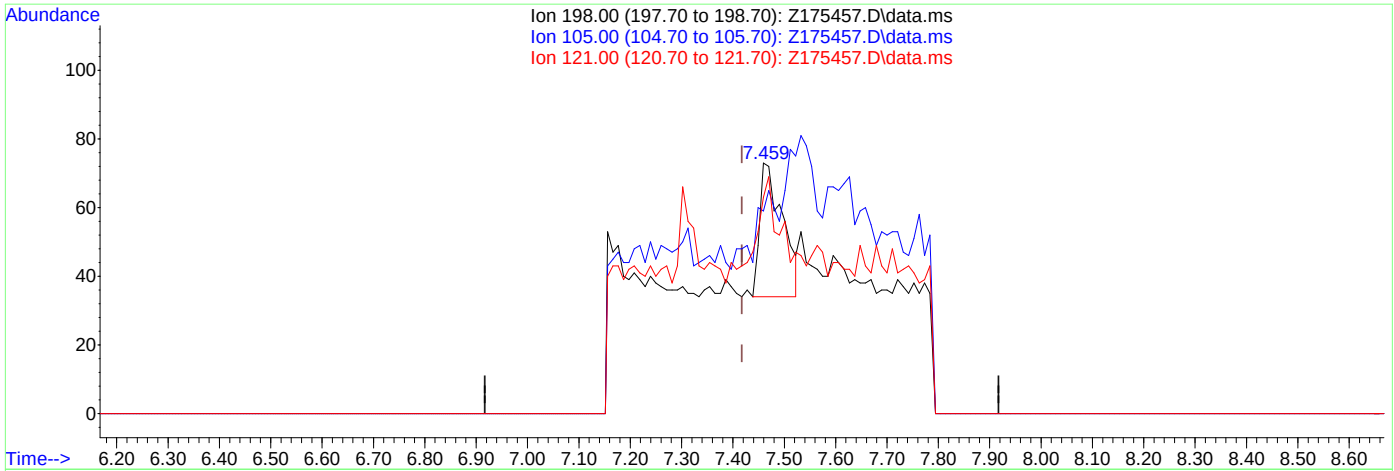
response 797

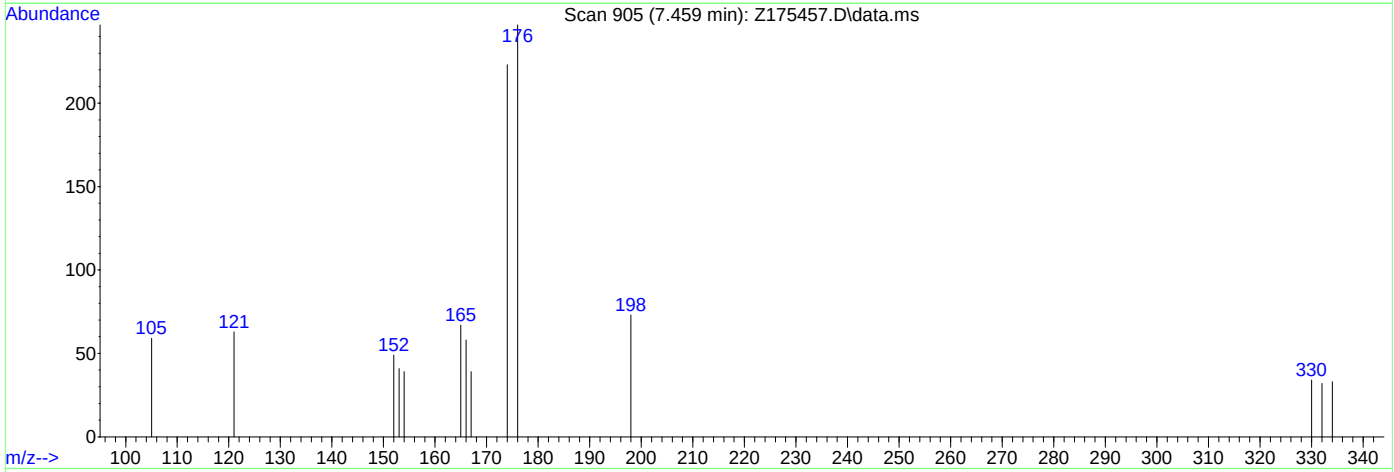
Ion	Exp%	Act%
166.00	100	100
165.00	95.80	105.66
167.00	13.50	23.72
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175457.D
Acq On : 10 Sep 2025 1:54 pm
Operator : rocquans
Sample : ic8654-0.04
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 10 16:32:46 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175457.D\data.ms

(17) 4,6-dinitro-2-methylphenol

7.459min (+0.042) 68.06ppb

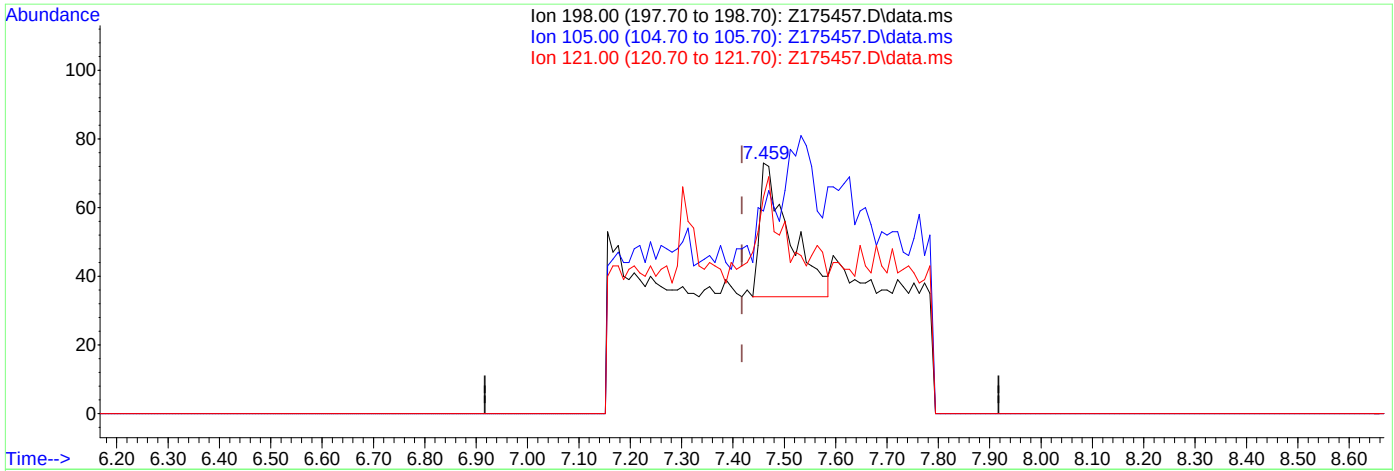
response 121

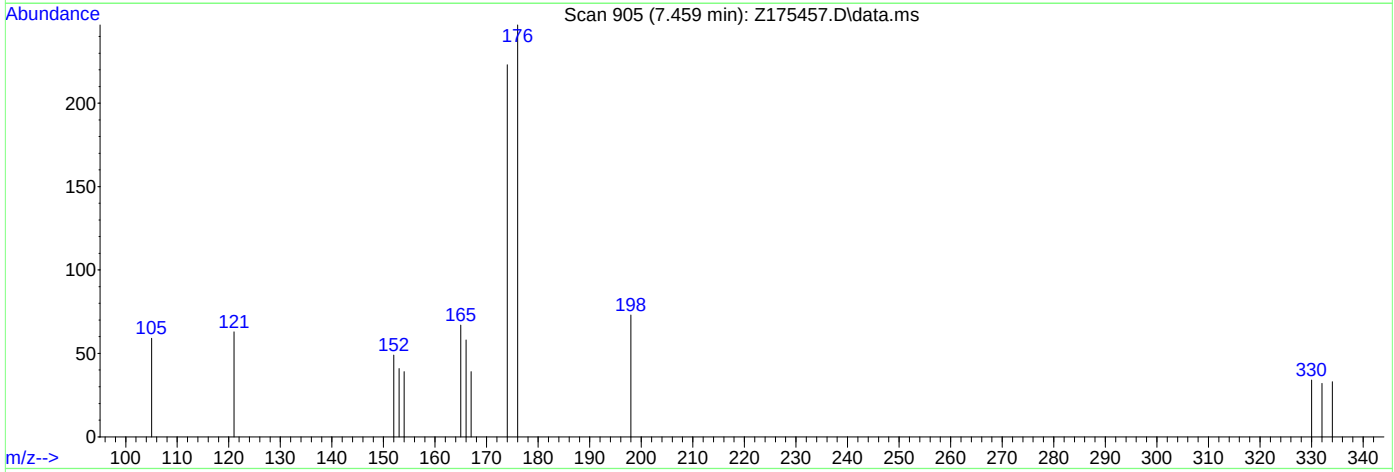
Ion	Exp%	Act%
198.00	100	100
105.00	45.60	0.00#
121.00	49.80	48.48
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175457.D
Acq On : 10 Sep 2025 1:54 pm
Operator : rocquans
Sample : ic8654-0.04
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 10 16:32:46 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175457.D\data.ms

(17) 4,6-dinitro-2-methylphenol

7.459min (+0.042) 88.88ppb m

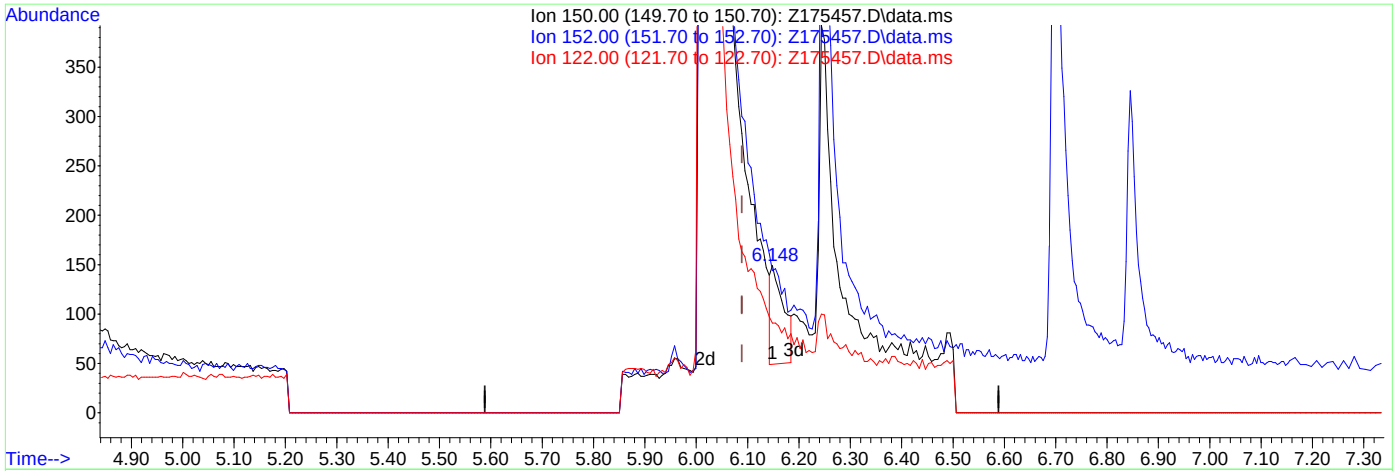
response 158

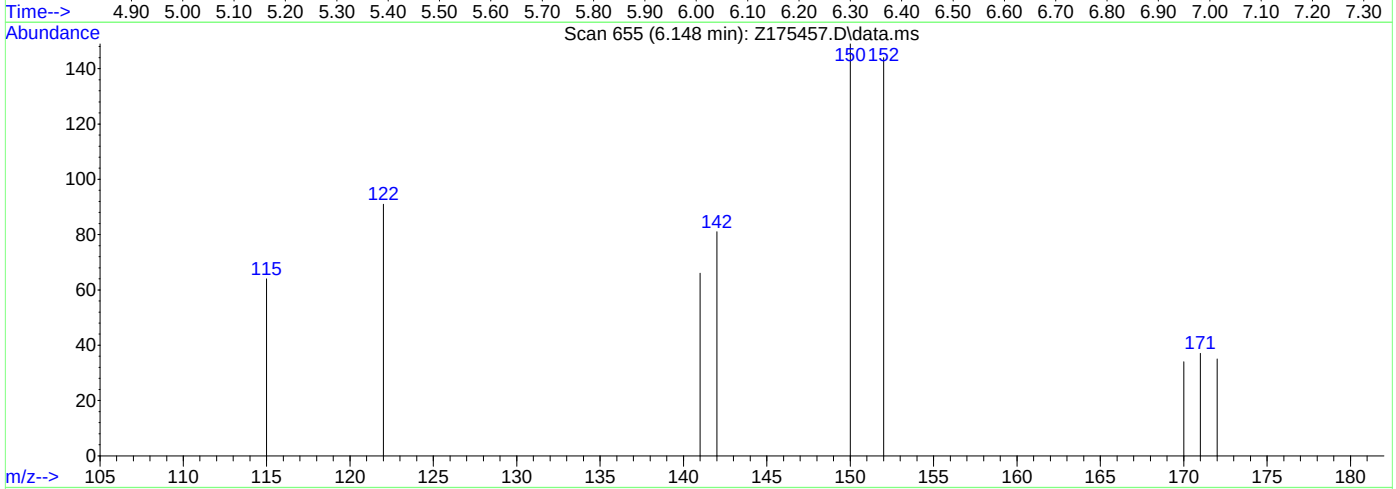
Ion	Exp%	Act%
198.00	100	100
105.00	45.60	80.82#
121.00	49.80	86.30#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175457.D
Acq On : 10 Sep 2025 1:54 pm
Operator : rocquans
Sample : ic8654-0.04
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 10 16:34:58 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175457.D\data.ms

(36) 1-Methylnaphthalene-d10a

6.148min (+0.060) 800.00ppb

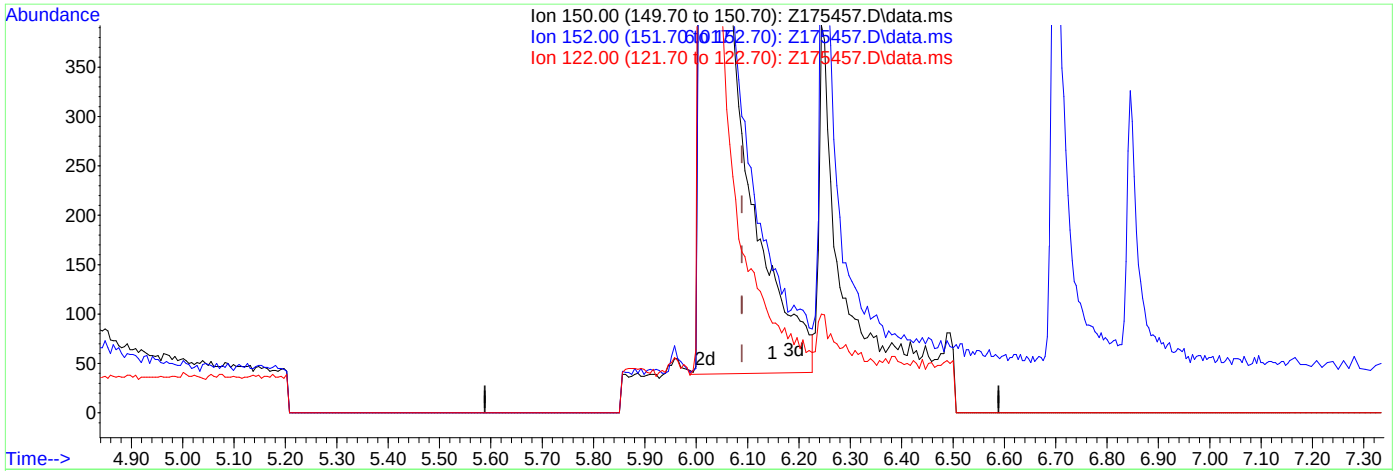
response 169

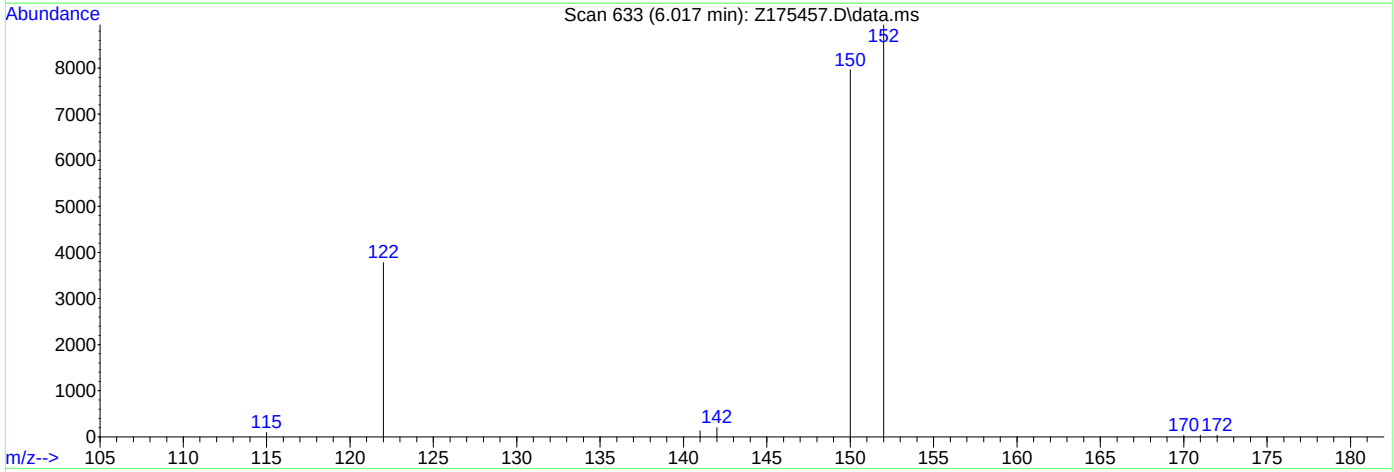
Ion	Exp%	Act%
150.00	100	100
152.00	80.50	37.70#
122.00	40.20	8.20#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175457.D
Acq On : 10 Sep 2025 1:54 pm
Operator : rocquans
Sample : ic8654-0.04
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 10 16:34:58 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175457.D\data.ms

(36) 1-Methylnaphthalene-d10a

6.017min (-0.071) 800.00ppb m

response 10649

Ion	Exp%	Act%
150.00	100	100
152.00	80.50	112.29#
122.00	40.20	47.48
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
09/15/25 15:51

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175458.D
Acq On : 10 Sep 2025 2:19 pm
Operator : rocquans
Sample : ic8654-0.1
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 11 11:56:38 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration

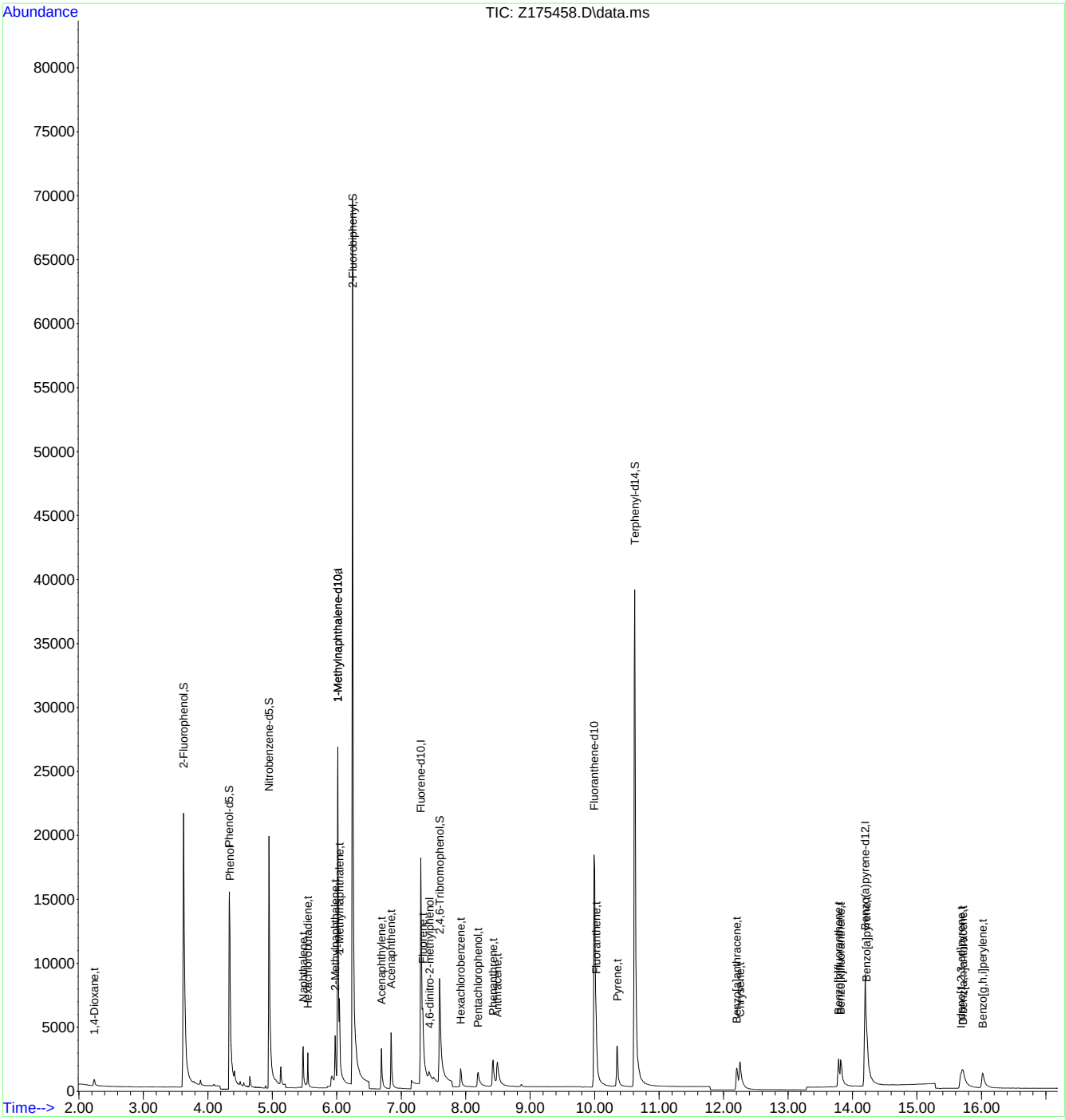
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	6.017	150	11218	800.00	ppb	0.00
12) Fluorene-d10	7.302	176	14903	800.00	ppb	0.00
19) Fluoranthene-d10	9.992	212	26082	800.00	ppb	0.00
29) Benzo(a)pyrene-d12	14.197	264	16774	800.00	ppb	0.00
36) 1-Methylnaphthalene-d10a	6.017	150	11711m	800.00	ppb	-0.07
System Monitoring Compounds						
3) 2-Fluorophenol	3.621	112	18398	2158.55	ppb	0.00
Spiked Amount 10000.000			Recovery =	21.59%		
4) Phenol-d5	4.332	99	17578	1885.80	ppb	0.00
Spiked Amount 10000.000			Recovery =	18.86%		
6) Nitrobenzene-d5	4.946	82	21537	2080.75	ppb	0.00
Spiked Amount 10000.000			Recovery =	20.81%		
13) 2-Fluorobiphenyl	6.244	172	48644	2204.99	ppb	0.00
Spiked Amount 10000.000			Recovery =	22.05%		
18) 2,4,6-Tribromophenol	7.595	330	7806	1982.91	ppb	0.01
Spiked Amount 10000.000			Recovery =	19.83%		
26) Terphenyl-d14	10.624	244	47319	2037.69	ppb	0.00
Spiked Amount 10000.000			Recovery =	20.38%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.240	88	441m	97.03	ppb	
5) Phenol	4.340	94	4575	484.13	ppb	93
7) Naphthalene	5.478	128	3002	93.62	ppb	97
8) Hexachlorobutadiene	5.550	225	843	99.08	ppb	96
9) 2-Methylnaphthalene	5.975	141	1945	97.75	ppb	98
10) 1-Methylnaphthalene	6.041	141	1982	97.36	ppb	97
14) Acenaphthylene	6.691	152	3175	99.55	ppb	100
15) Acenaphthene	6.841	153	2184	97.36	ppb	93
16) Fluorene	7.334	166	2520	97.50	ppb	96
17) 4,6-dinitro-2-methylph...	7.438	198	812m	414.15	ppb	
20) Hexachlorobenzene	7.920	284	917	97.52	ppb	94
21) Pentachlorophenol	8.192	266	1513m	486.44	ppb	
22) Phenanthrene	8.425	178	3072	93.09	ppb	99
23) Anthracene	8.493	178	4290	104.72	ppb	97
24) Fluoranthene	10.024	202	3901	99.32	ppb	96
25) Pyrene	10.353	202	4004	96.84	ppb	99
27) Benzo[a]anthracene	12.203	228	2340	89.28	ppb	95
28) Chrysene	12.256	228	4345	96.54	ppb	96
30) Benzo[b]fluoranthene	13.783	252	2606	112.21	ppb	99
31) Benzo[k]fluoranthene	13.818	252	3312	90.37	ppb	99
32) Benzo[a]pyrene	14.220	252	2830	101.01	ppb	98
33) Indeno[1,2,3-cd]pyrene	15.684	276	3368	106.24	ppb	97
34) Dibenz[a,h]anthracene	15.713	278	2725	103.78	ppb	92
35) Benzo[g,h,i]perylene	16.020	276	2806	101.47	ppb	99

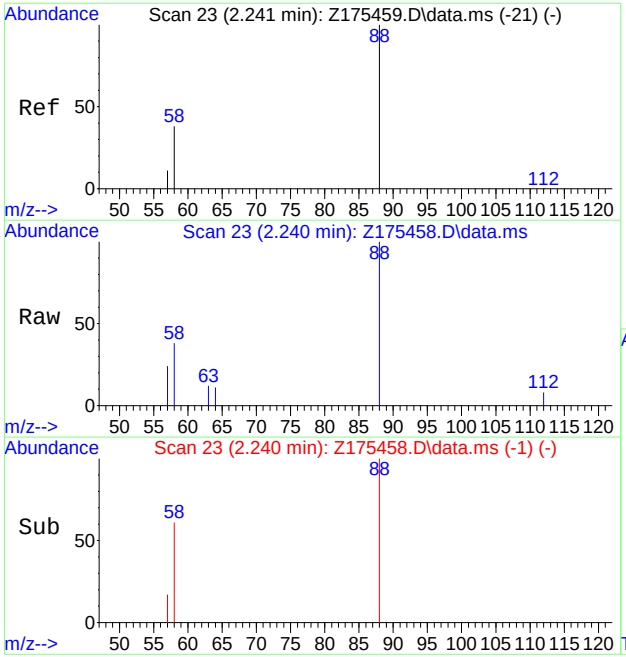
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175458.D
Acq On : 10 Sep 2025 2:19 pm
Operator : rocquans
Sample : ic8654-0.1
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 11 11:56:38 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration

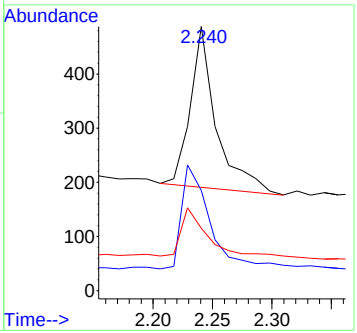


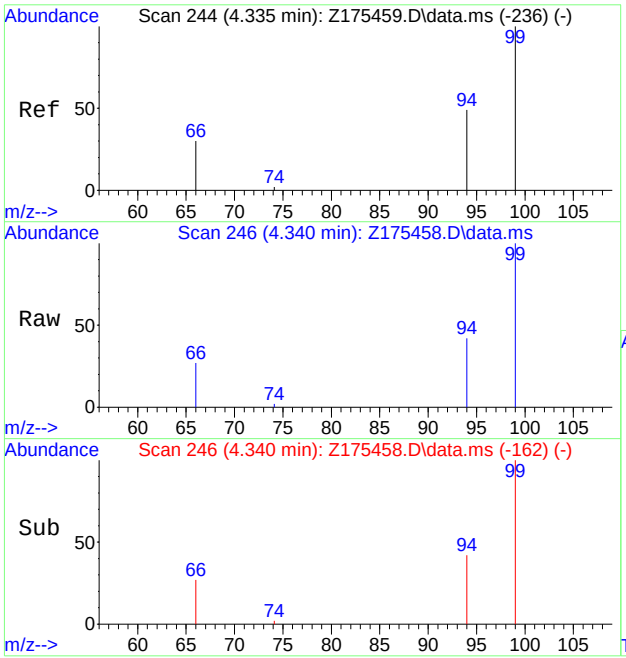


#2
1,4-Dioxane
Concen: 97.03 ppb m
RT: 2.240 min Scan# 23
Delta R.T. -0.000 min
Lab File: Z175458.D
Acq: 10 Sep 2025 2:19 pm

Tgt Ion: 88 Resp: 441

Ion	Ratio	Lower	Upper
88	100		
58	37.9	15.6	55.6
57	23.6	0.0	40.0

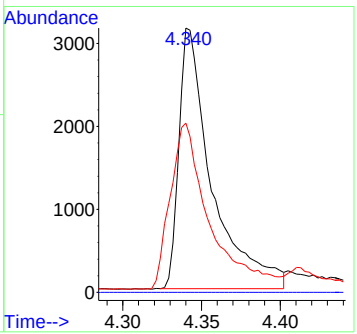


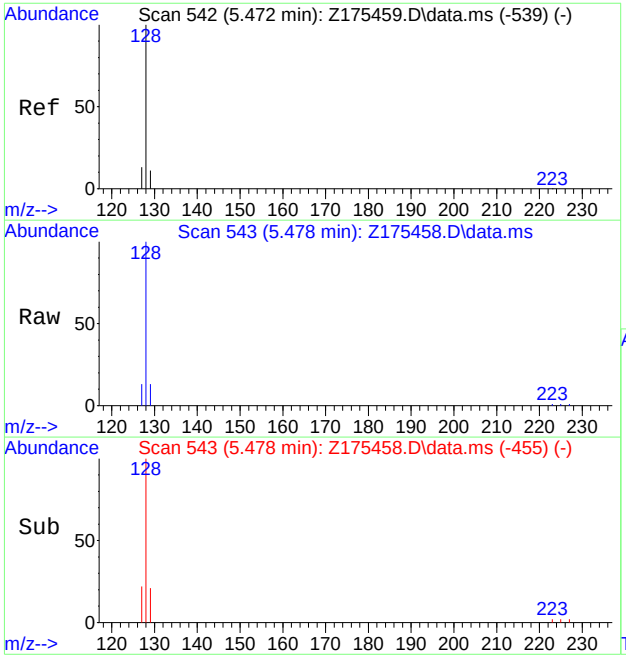


#5
Phenol
Concen: 484.13 ppb
RT: 4.340 min Scan# 246
Delta R.T. 0.005 min
Lab File: Z175458.D
Acq: 10 Sep 2025 2:19 pm

Tgt Ion: 94 Resp: 4575

Ion	Ratio	Lower	Upper
94	100		
65	0.0	0.0	0.0
66	57.1	49.8	74.8

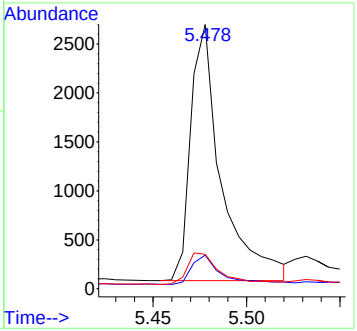


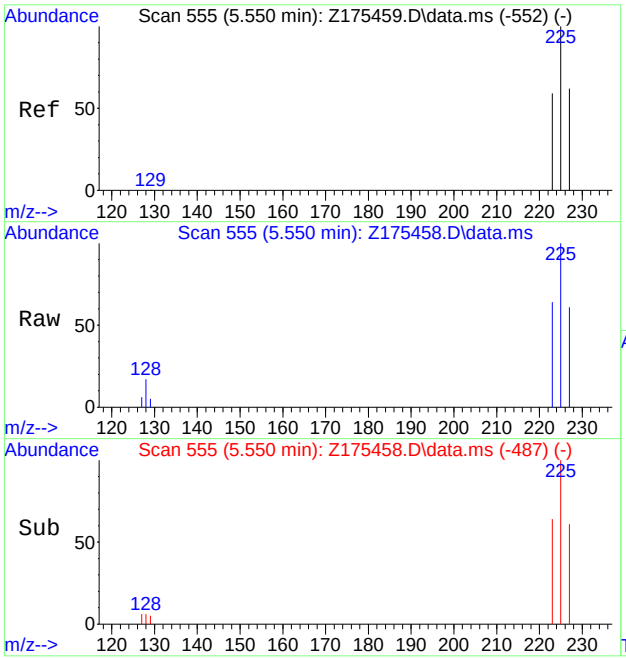


#7
Naphthalene
Concen: 93.62 ppb
RT: 5.478 min Scan# 543
Delta R.T. 0.006 min
Lab File: Z175458.D
Acq: 10 Sep 2025 2:19 pm

Tgt Ion:128 Resp: 3002

Ion	Ratio	Lower	Upper
128	100		
129	11.3	0.0	40.6
127	11.7	0.0	43.3

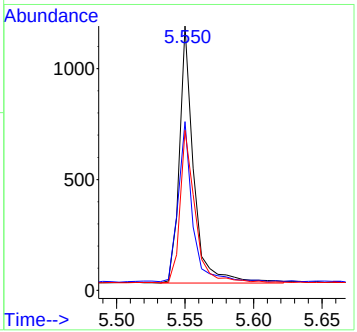


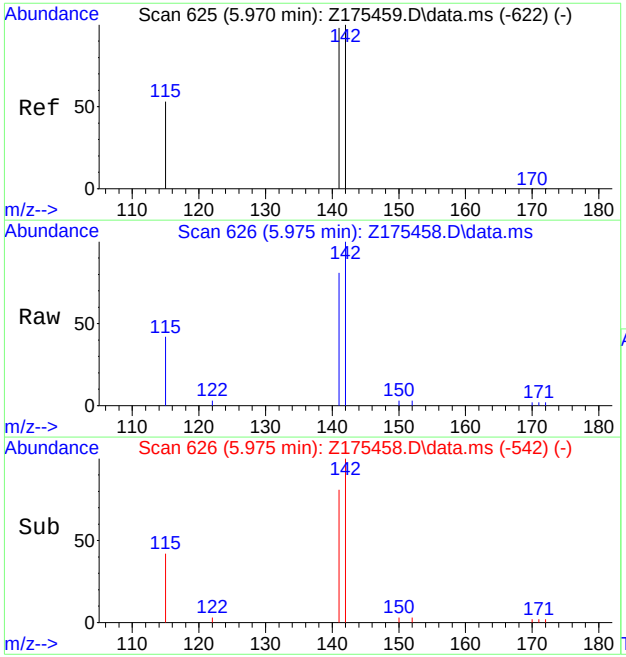


#8
Hexachlorobutadiene
Concen: 99.08 ppb
RT: 5.550 min Scan# 555
Delta R.T. -0.000 min
Lab File: Z175458.D
Acq: 10 Sep 2025 2:19 pm

Tgt Ion:225 Resp: 843

Ion	Ratio	Lower	Upper
225	100		
223	62.4	29.0	89.0
227	59.4	32.1	92.1

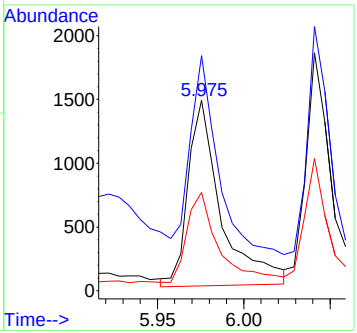


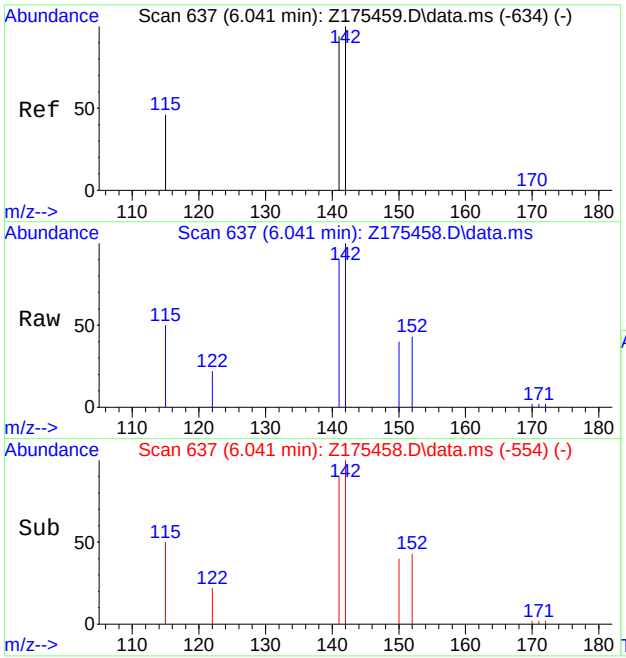


#9
2-Methylnaphthalene
Concen: 97.75 ppb
RT: 5.975 min Scan# 626
Delta R.T. 0.006 min
Lab File: Z175458.D
Acq: 10 Sep 2025 2:19 pm

Tgt Ion:141 Resp: 1945

Ion	Ratio	Lower	Upper
141	100		
142	107.8	77.1	137.1
115	50.1	24.3	84.3

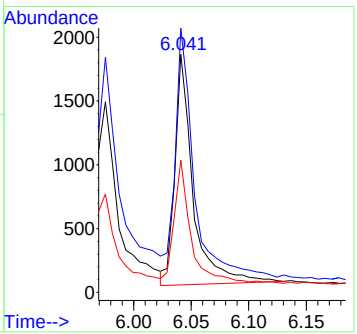




#10
1-Methylnaphthalene
Concen: 97.36 ppb
RT: 6.041 min Scan# 637
Delta R.T. -0.000 min
Lab File: Z175458.D
Acq: 10 Sep 2025 2:19 pm

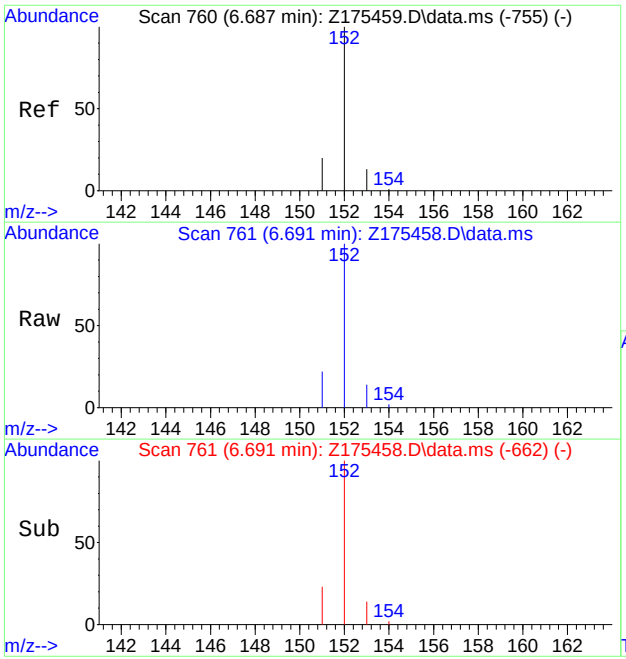
Tgt Ion:141 Resp: 1982

Ion	Ratio	Lower	Upper
141	100		
142	107.1	77.6	137.6
115	54.5	19.1	79.1



9.6.20

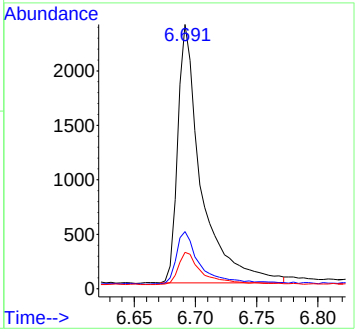
9

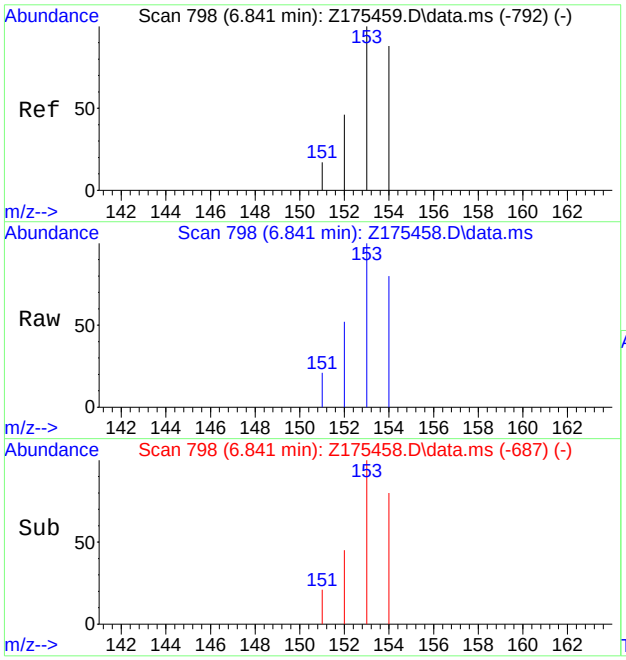


#14
Acenaphthylene
Concen: 99.55 ppb
RT: 6.691 min Scan# 761
Delta R.T. 0.004 min
Lab File: Z175458.D
Acq: 10 Sep 2025 2:19 pm

Tgt Ion:152 Resp: 3175

Ion	Ratio	Lower	Upper
152	100		
151	20.2	0.0	50.1
153	12.4	0.0	42.6

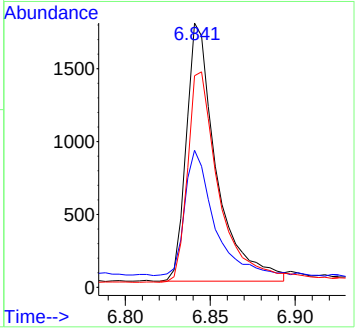


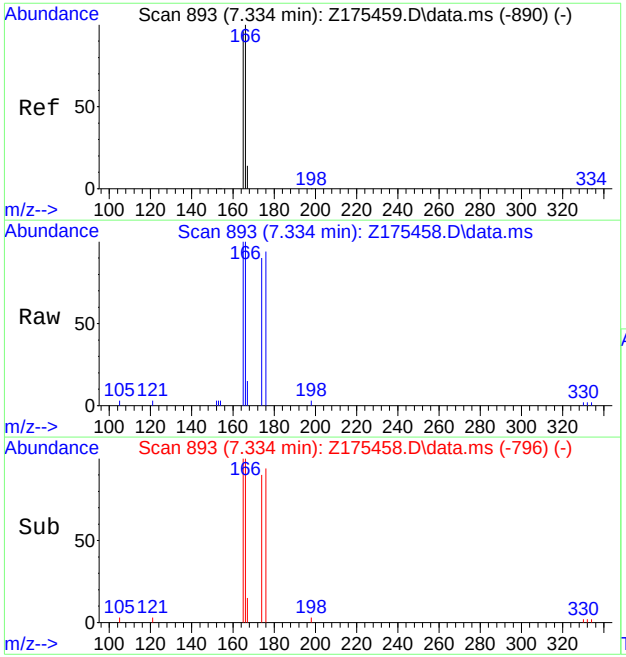


#15
Acenaphthene
Concen: 97.36 ppb
RT: 6.841 min Scan# 798
Delta R.T. -0.000 min
Lab File: Z175458.D
Acq: 10 Sep 2025 2:19 pm

Tgt Ion:153 Resp: 2184

Ion	Ratio	Lower	Upper
153	100		
152	48.6	16.6	76.6
154	79.5	57.9	117.9

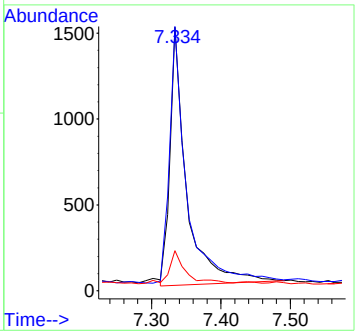


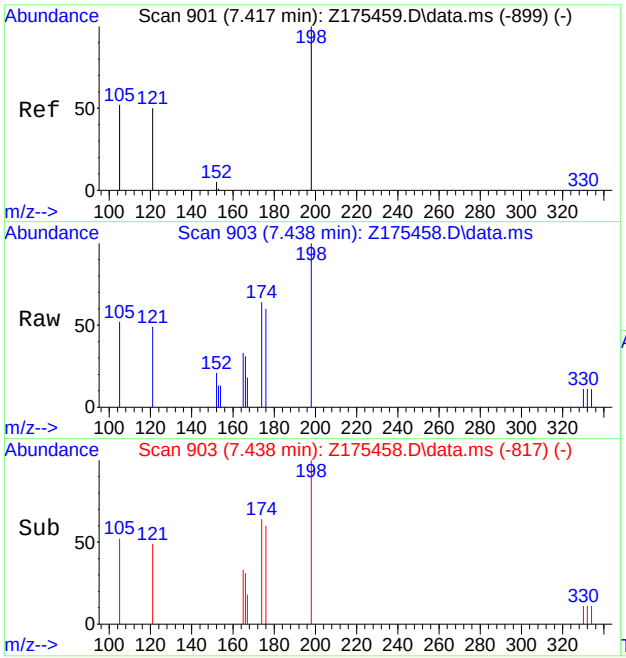


#16
Fluorene
Concen: 97.50 ppb
RT: 7.334 min Scan# 893
Delta R.T. -0.000 min
Lab File: Z175458.D
Acq: 10 Sep 2025 2:19 pm

Tgt Ion:166 Resp: 2520

Ion	Ratio	Lower	Upper
166	100		
165	100.4	65.8	125.8
167	12.6	0.0	43.5

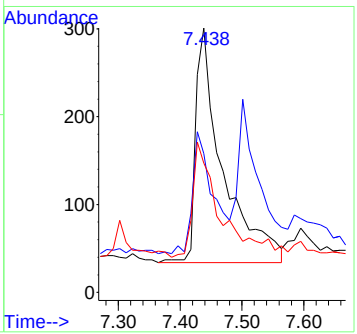




#17
4,6-dinitro-2-methylphenol
Concen: 414.15 ppb m
RT: 7.438 min Scan# 903
Delta R.T. 0.021 min
Lab File: Z175458.D
Acq: 10 Sep 2025 2:19 pm

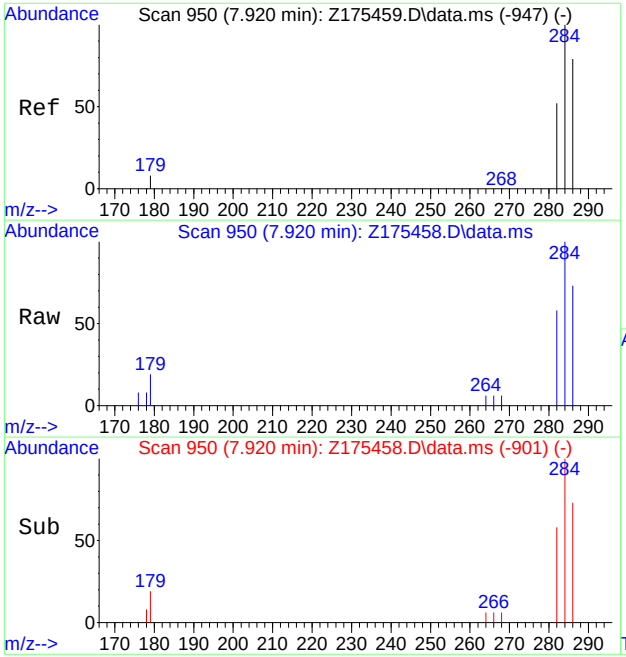
Tgt Ion:198 Resp: 812

Ion	Ratio	Lower	Upper
198	100		
105	52.5	25.6	65.6
121	48.8	29.8	69.8



9.6.20

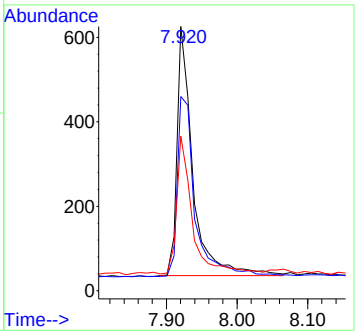
9

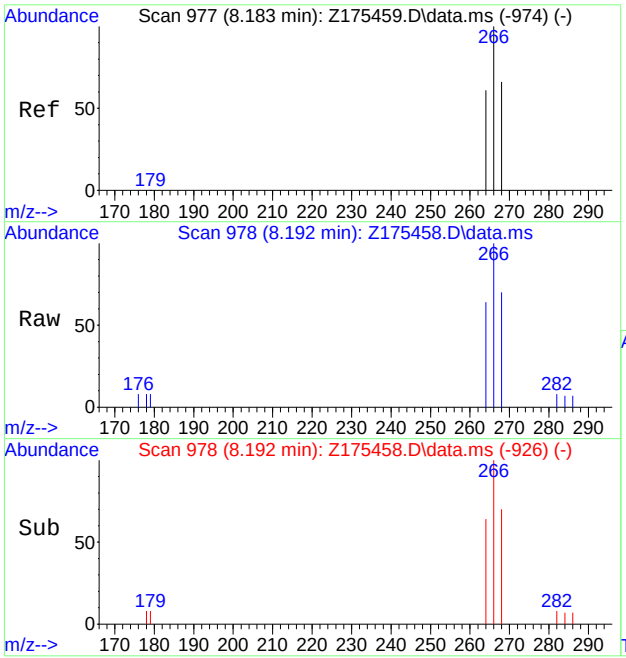


#20
Hexachlorobenzene
Concen: 97.52 ppb
RT: 7.920 min Scan# 950
Delta R.T. -0.000 min
Lab File: Z175458.D
Acq: 10 Sep 2025 2:19 pm

Tgt Ion:284 Resp: 917

Ion	Ratio	Lower	Upper
284	100		
286	72.1	48.9	108.9
282	54.5	22.1	82.1

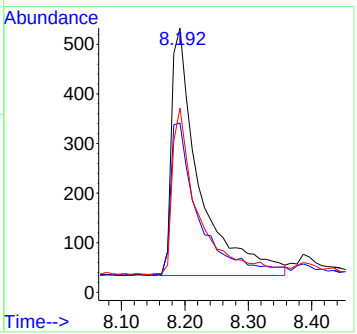


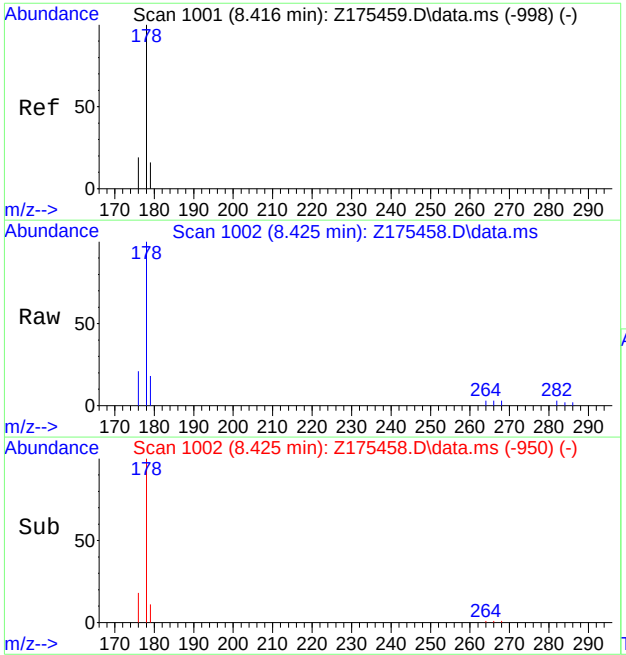


#21
Pentachlorophenol
Concen: 486.44 ppb m
RT: 8.192 min Scan# 978
Delta R.T. 0.010 min
Lab File: Z175458.D
Acq: 10 Sep 2025 2:19 pm

Tgt Ion:266 Resp: 1513

Ion	Ratio	Lower	Upper
266	100		
264	64.0	30.8	90.8
268	69.8	36.3	96.3

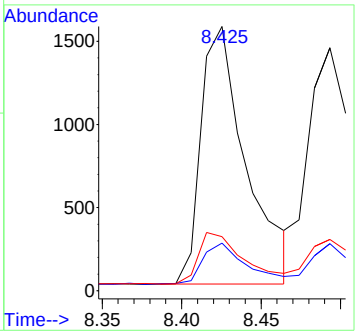


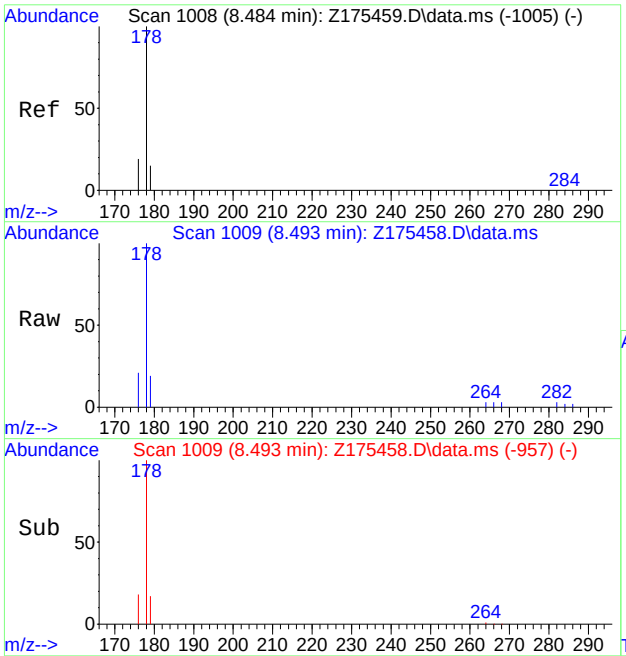


#22
Phenanthrene
Concen: 93.09 ppb
RT: 8.425 min Scan# 1002
Delta R.T. 0.010 min
Lab File: Z175458.D
Acq: 10 Sep 2025 2:19 pm

Tgt Ion:178 Resp: 3072

Ion	Ratio	Lower	Upper
178	100		
179	16.0	0.0	45.6
176	18.3	0.0	48.6

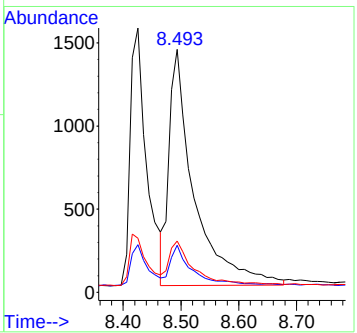


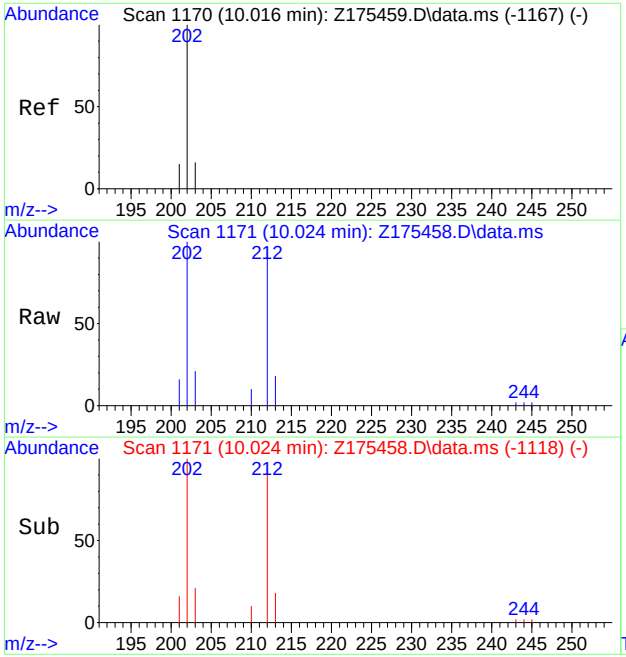


#23
Anthracene
Concen: 104.72 ppb
RT: 8.493 min Scan# 1009
Delta R.T. 0.010 min
Lab File: Z175458.D
Acq: 10 Sep 2025 2:19 pm

Tgt Ion:178 Resp: 4290

Ion	Ratio	Lower	Upper
178	100		
179	17.5	0.0	44.8
176	18.7	0.0	48.7

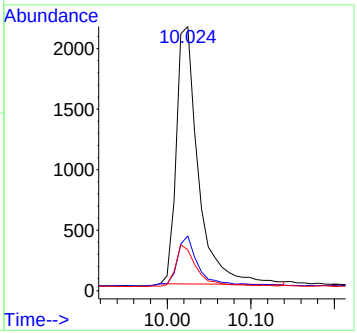


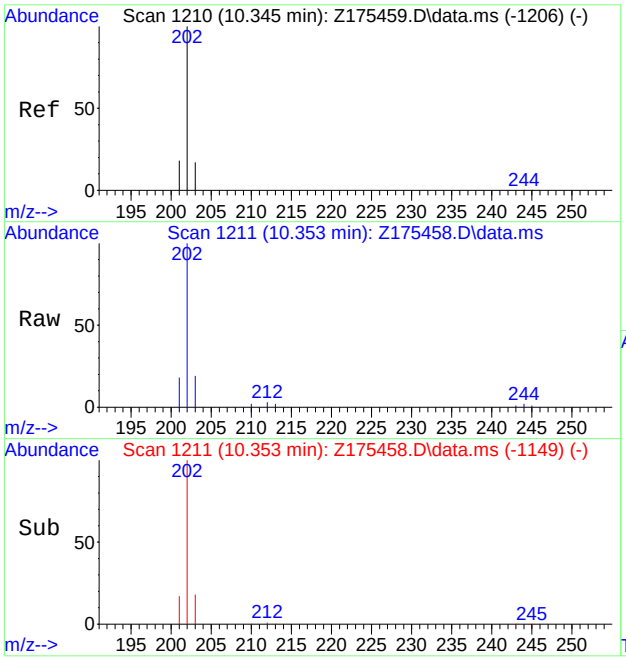


#24
Fluoranthene
Concen: 99.32 ppb
RT: 10.024 min Scan# 1171
Delta R.T. 0.008 min
Lab File: Z175458.D
Acq: 10 Sep 2025 2:19 pm

Tgt Ion:202 Resp: 3901

Ion	Ratio	Lower	Upper
202	100		
203	19.0	0.0	46.4
201	14.1	0.0	45.1

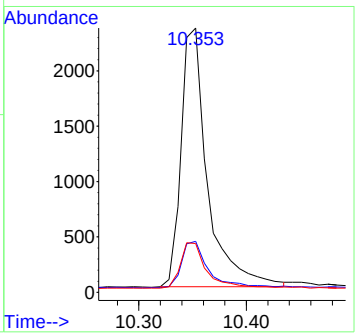


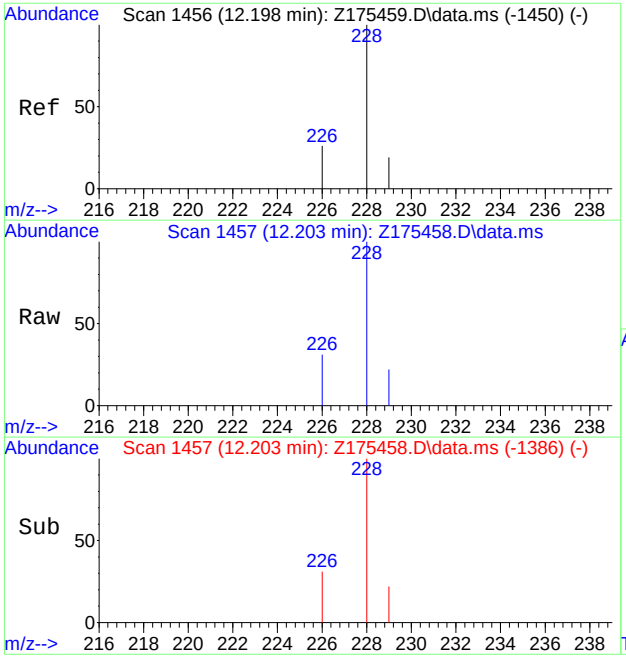


#25
Pyrene
Concen: 96.84 ppb
RT: 10.353 min Scan# 1211
Delta R.T. 0.008 min
Lab File: Z175458.D
Acq: 10 Sep 2025 2:19 pm

Tgt Ion:202 Resp: 4004

Ion	Ratio	Lower	Upper
202	100		
203	17.8	0.0	47.4
201	17.2	0.0	47.8

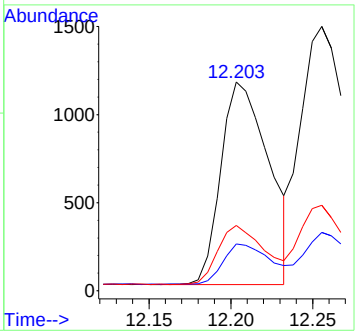


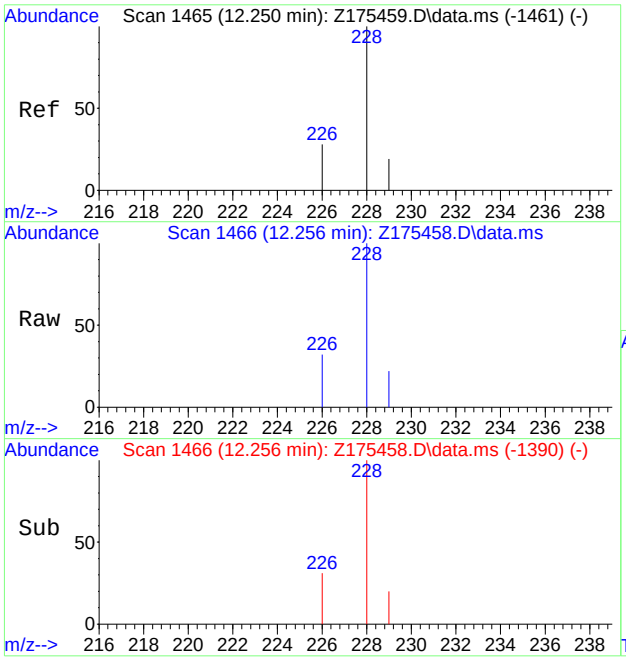


#27
Benzo[a]anthracene
Concen: 89.28 ppb
RT: 12.203 min Scan# 1457
Delta R.T. 0.006 min
Lab File: Z175458.D
Acq: 10 Sep 2025 2:19 pm

Tgt Ion:228 Resp: 2340

Ion	Ratio	Lower	Upper
228	100		
229	19.5	0.0	49.3
226	29.6	0.0	55.6

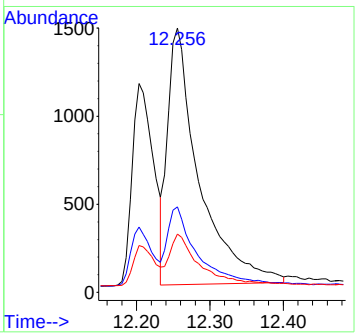


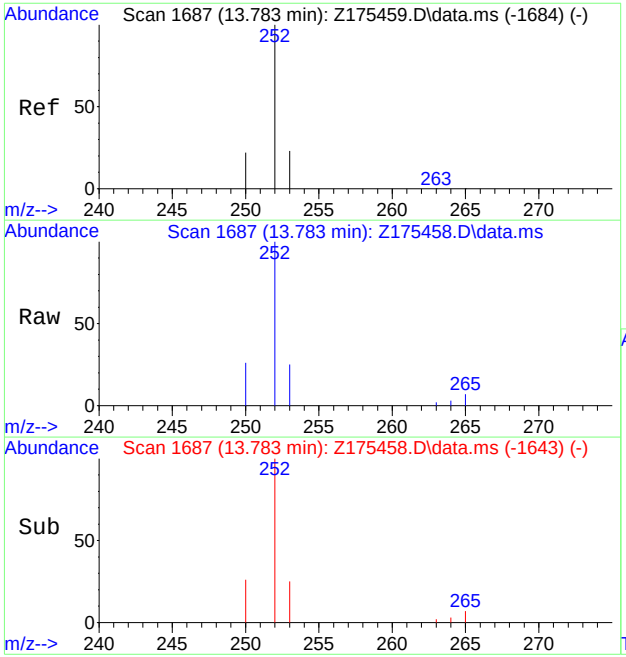


#28
Chrysene
Concen: 96.54 ppb
RT: 12.256 min Scan# 1466
Delta R.T. 0.006 min
Lab File: Z175458.D
Acq: 10 Sep 2025 2:19 pm

Tgt Ion:228 Resp: 4345

Ion	Ratio	Lower	Upper
228	100		
226	31.5	0.0	58.4
229	19.7	0.0	49.1

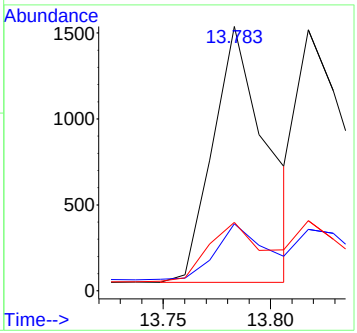


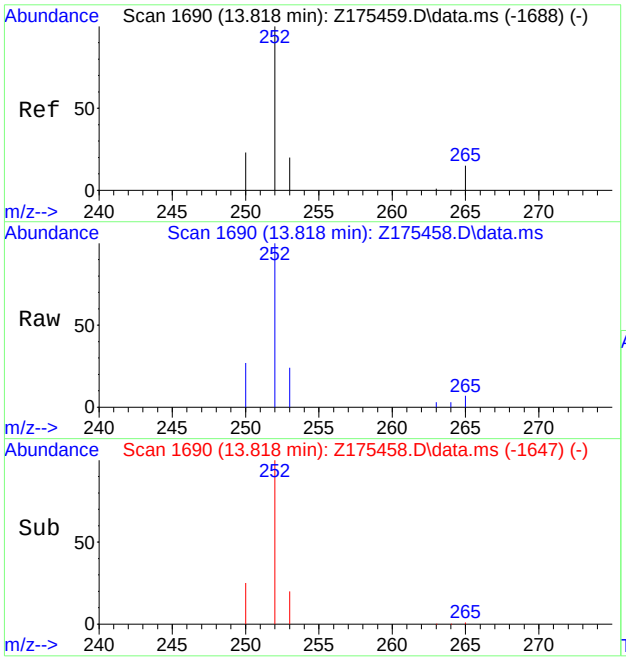


#30
Benzo[b]fluoranthene
Concen: 112.21 ppb
RT: 13.783 min Scan# 1687
Delta R.T. -0.000 min
Lab File: Z175458.D
Acq: 10 Sep 2025 2:19 pm

Tgt Ion:252 Resp: 2606

Ion	Ratio	Lower	Upper
252	100		
253	22.2	0.0	52.6
250	21.8	0.0	51.9

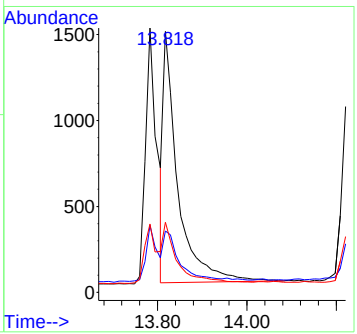


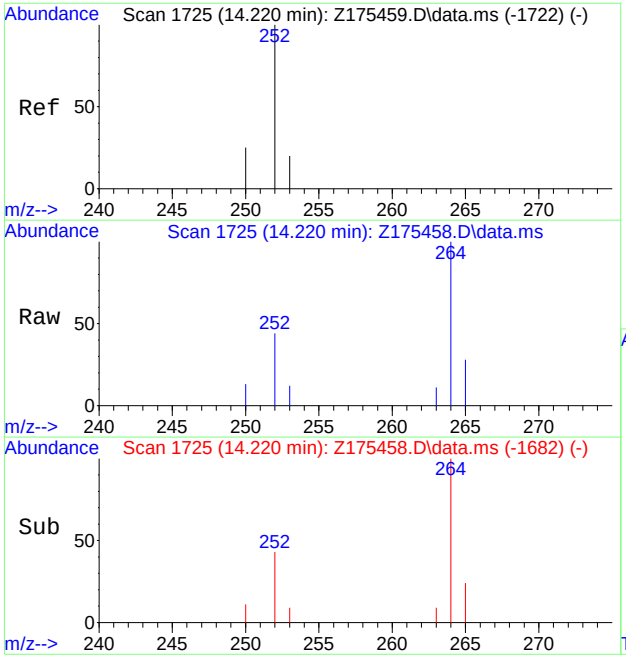


#31
Benzo[k]fluoranthene
Concen: 90.37 ppb
RT: 13.818 min Scan# 1690
Delta R.T. -0.000 min
Lab File: Z175458.D
Acq: 10 Sep 2025 2:19 pm

Tgt Ion:252 Resp: 3312

Ion	Ratio	Lower	Upper
252	100		
253	19.6	0.0	51.0
250	23.1	0.0	53.1

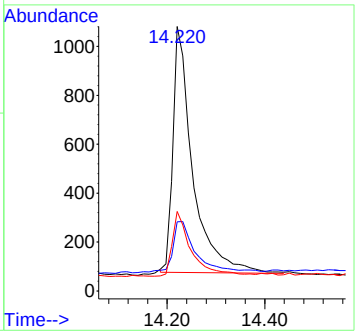


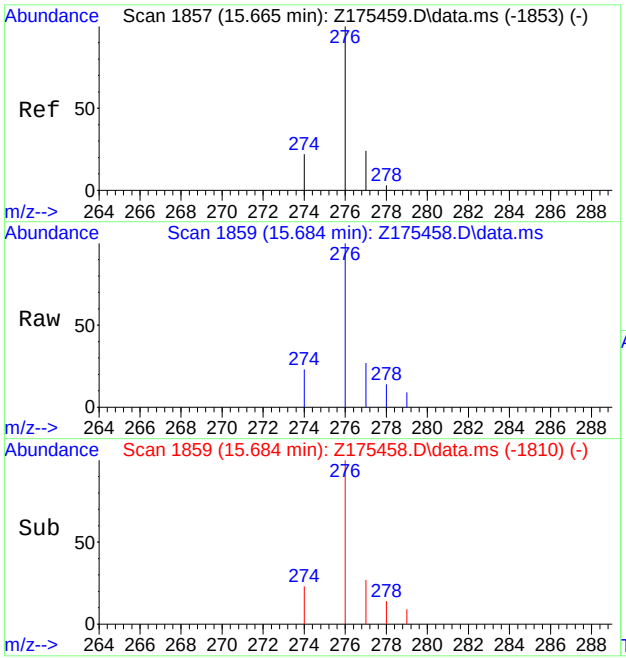


#32
Benzo[a]pyrene
Concen: 101.01 ppb
RT: 14.220 min Scan# 1725
Delta R.T. -0.000 min
Lab File: Z175458.D
Acq: 10 Sep 2025 2:19 pm

Tgt Ion:252 Resp: 2830

Ion	Ratio	Lower	Upper
252	100		
253	20.0	0.0	50.2
250	26.1	0.0	54.3

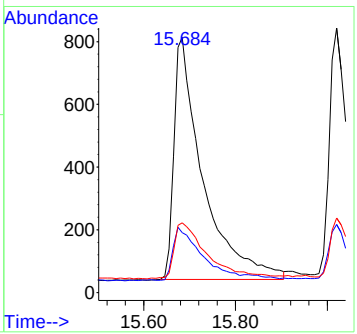


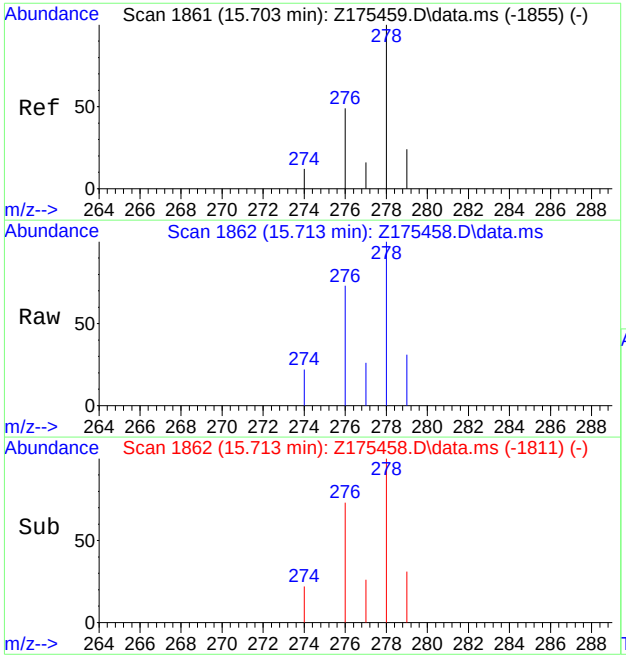


#33
Indeno[1,2,3-cd]pyrene
Concen: 106.24 ppb
RT: 15.684 min Scan# 1859
Delta R.T. 0.019 min
Lab File: Z175458.D
Acq: 10 Sep 2025 2:19 pm

Tgt Ion:276 Resp: 3368

Ion	Ratio	Lower	Upper
276	100		
274	19.6	0.0	51.7
277	22.6	0.0	53.6

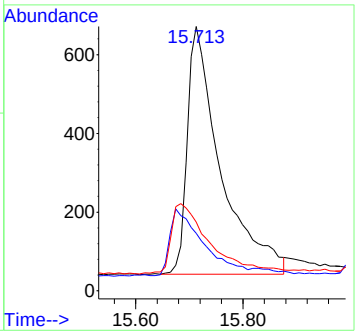


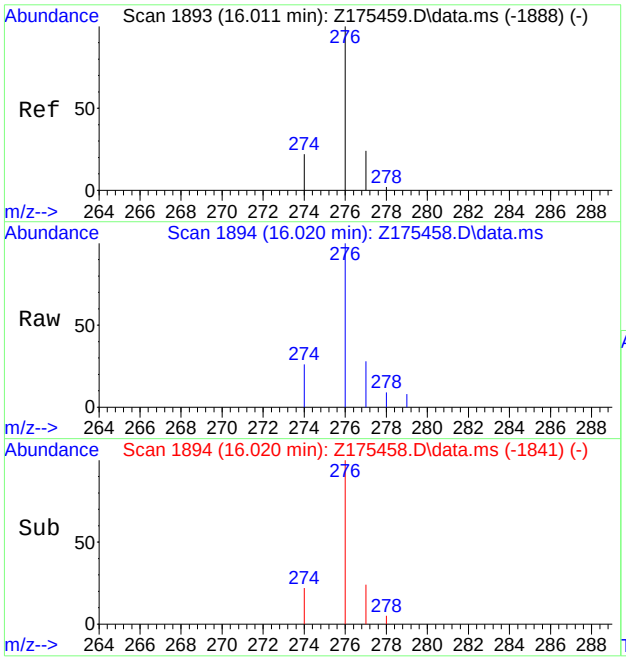


#34
Dibenz[a,h]anthracene
Concen: 103.78 ppb
RT: 15.713 min Scan# 1862
Delta R.T. 0.010 min
Lab File: Z175458.D
Acq: 10 Sep 2025 2:19 pm

Tgt Ion:278 Resp: 2725

Ion	Ratio	Lower	Upper
278	100		
274	16.5	0.0	44.0
277	20.5	0.0	46.5

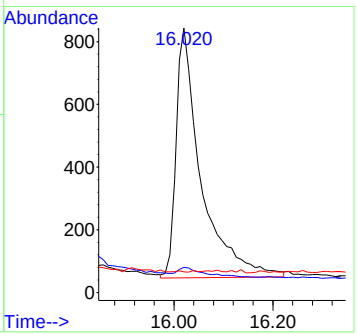




#35
Benzo[g,h,i]perylene
Concen: 101.47 ppb
RT: 16.020 min Scan# 1894
Delta R.T. 0.010 min
Lab File: Z175458.D
Acq: 10 Sep 2025 2:19 pm

Tgt Ion:276 Resp: 2806

Ion	Ratio	Lower	Upper
276	100		
278	3.1	0.0	32.8
279	0.0	0.0	30.0



Manual Integration Approval Summary

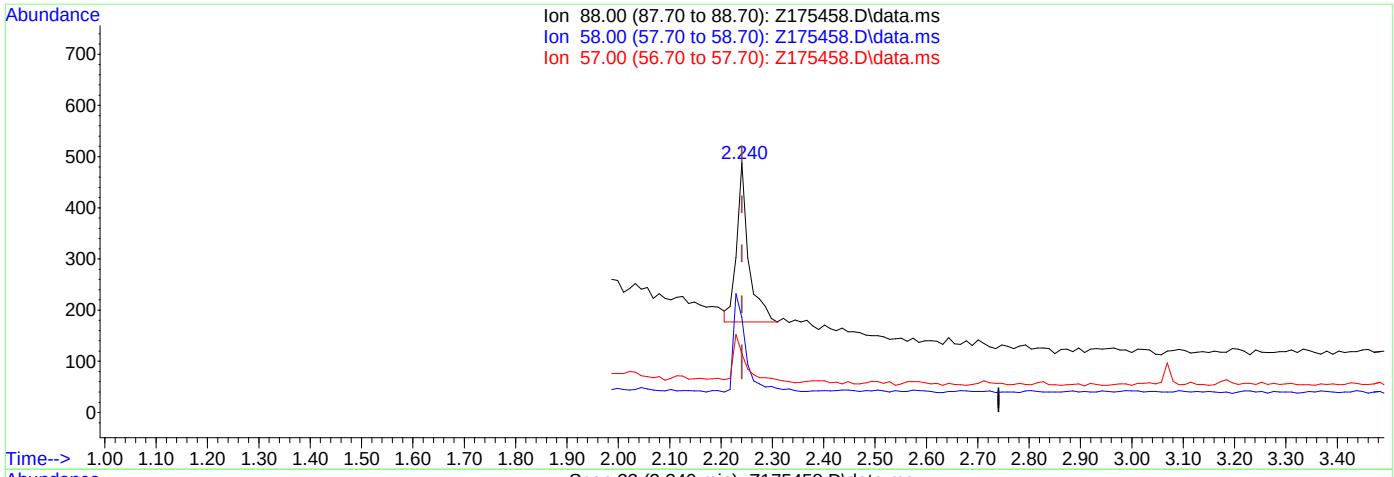
Sample Number: EZ8654-IC8654
Lab FileID: Z175458.D
Injection Time: 09/10/25 14:19
Method: SW846 8270E BY SIM
Analyst approved: 09/11/25 12:07 Ying Li
Supervisor approved: 09/15/25 15:51 Nina Pandya

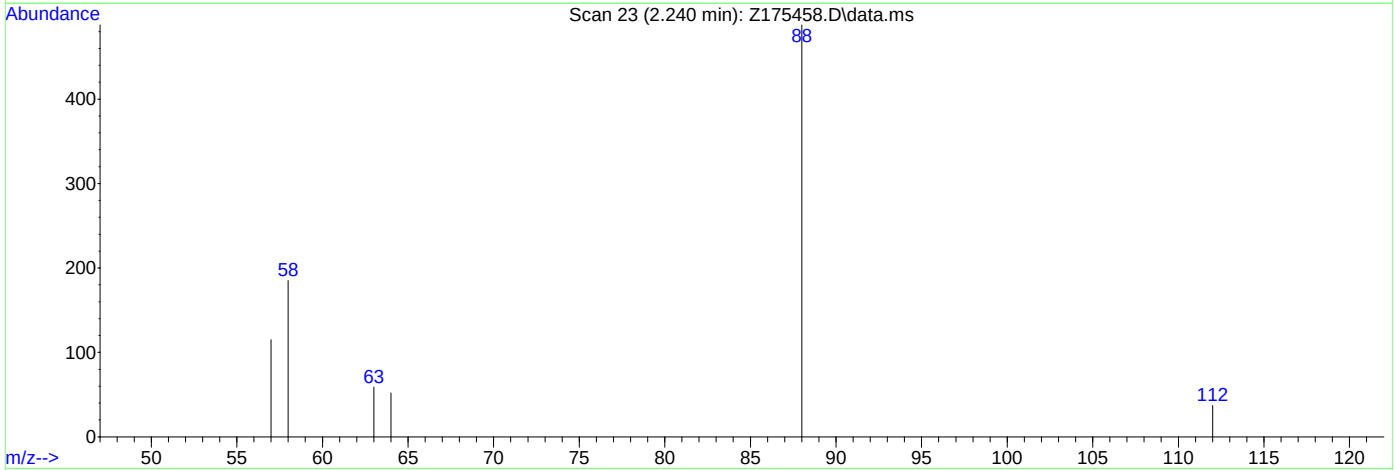
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,4-Dioxane	123-91-1		2.24	Poor instrument integration
4,6-Dinitro-o-cresol	534-52-1		7.44	Poor instrument integration
Pentachlorophenol	87-86-5		8.19	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175458.D
Acq On : 10 Sep 2025 2:19 pm
Operator : rocquans
Sample : ic8654-0.1
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 10 16:30:41 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175458.D\data.ms

(2) 1,4-Dioxane (t)

2.240min (-0.000) 110.67ppb

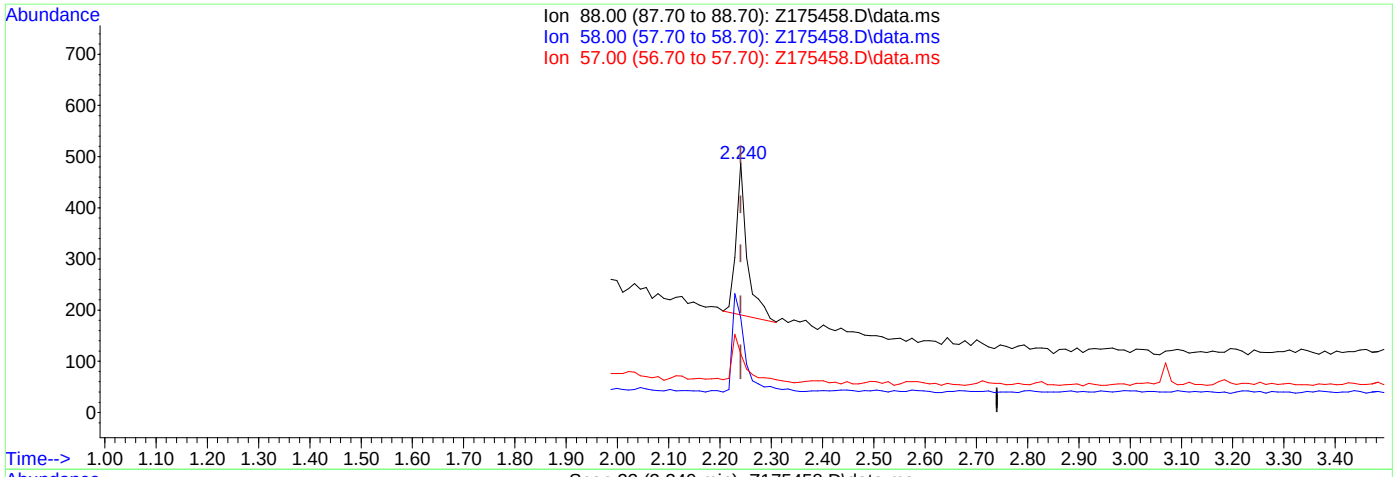
response 503

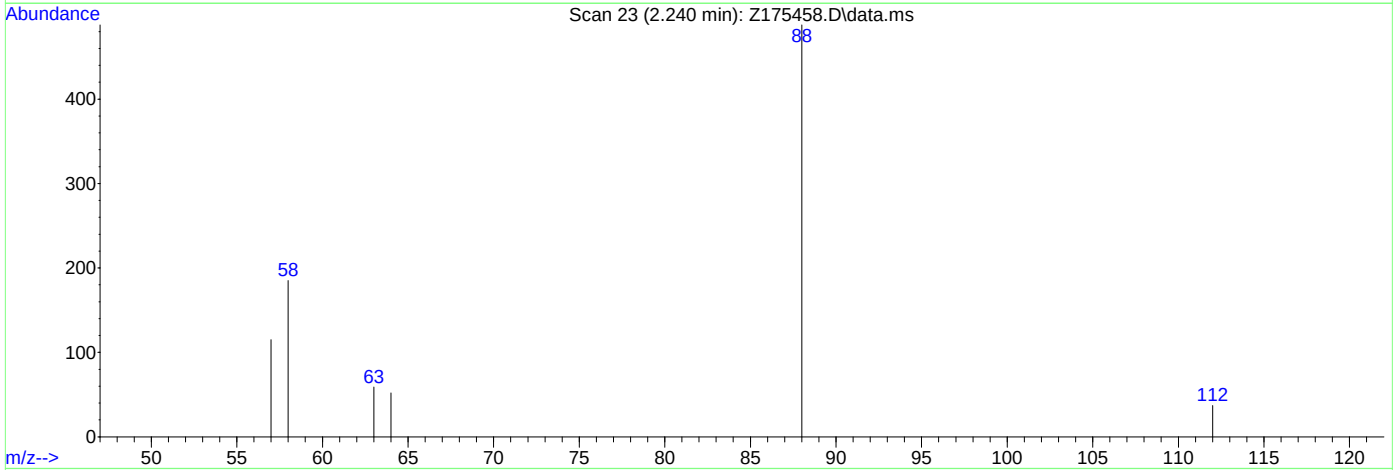
Ion	Exp%	Act%
88.00	100	100
58.00	35.60	47.09
57.00	20.00	16.97
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175458.D
Acq On : 10 Sep 2025 2:19 pm
Operator : rocquans
Sample : ic8654-0.1
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 10 16:30:41 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175458.D\data.ms

(2) 1,4-Dioxane (t)

2.240min (-0.000) 97.03ppb m

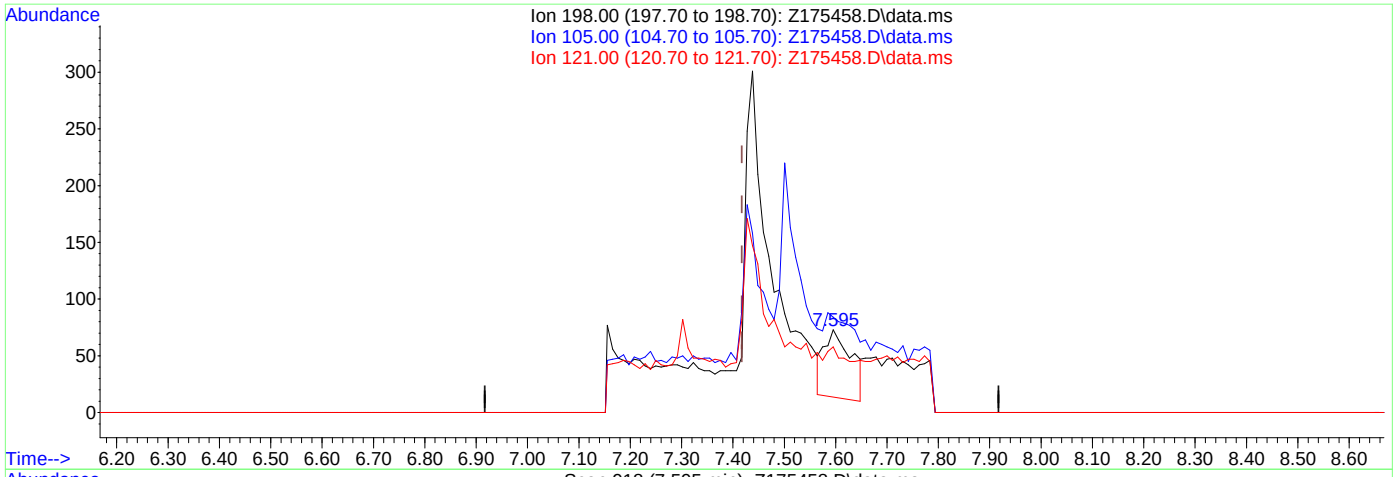
response 441

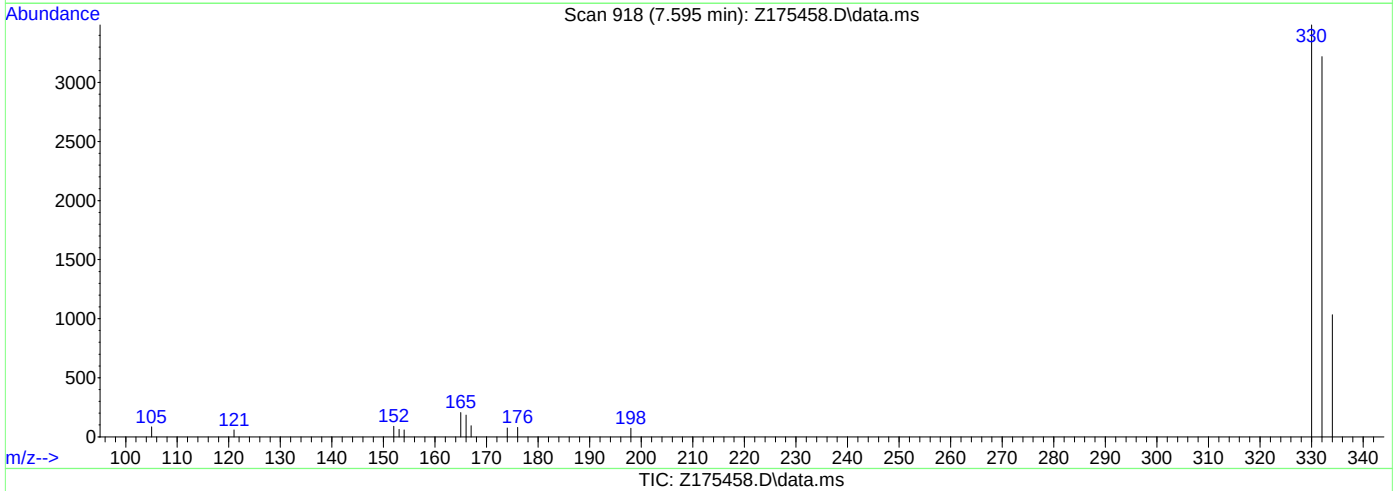
Ion	Exp%	Act%
88.00	100	100
58.00	35.60	37.91
57.00	20.00	23.57
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175458.D
Acq On : 10 Sep 2025 2:19 pm
Operator : rocquans
Sample : ic8654-0.1
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 10 16:30:41 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175458.D\data.ms

(17) 4,6-dinitro-2-methylphenol

7.595min (+0.178) 113.23ppb

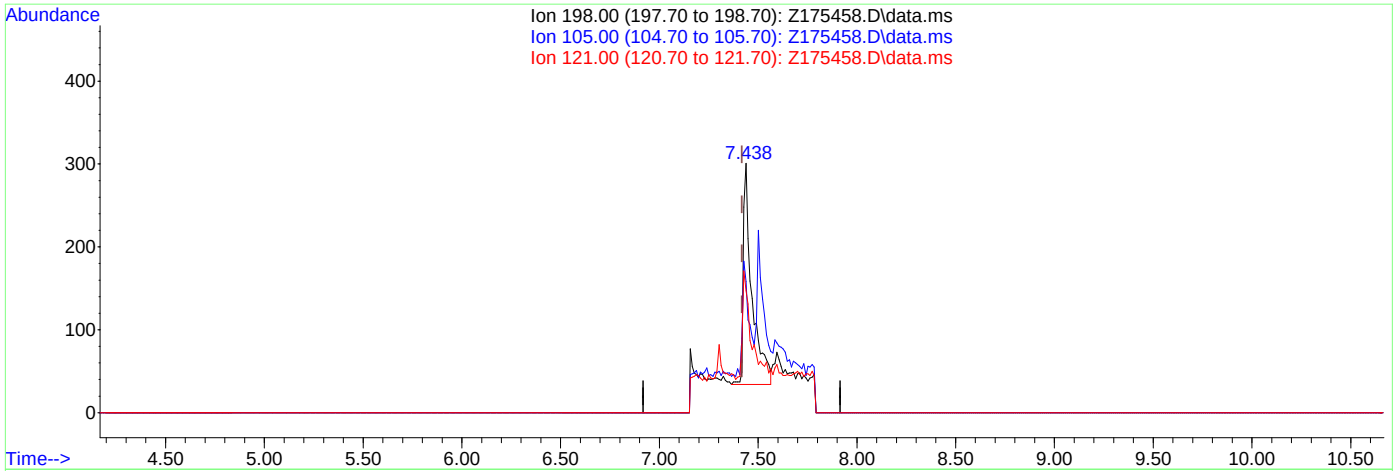
response 222

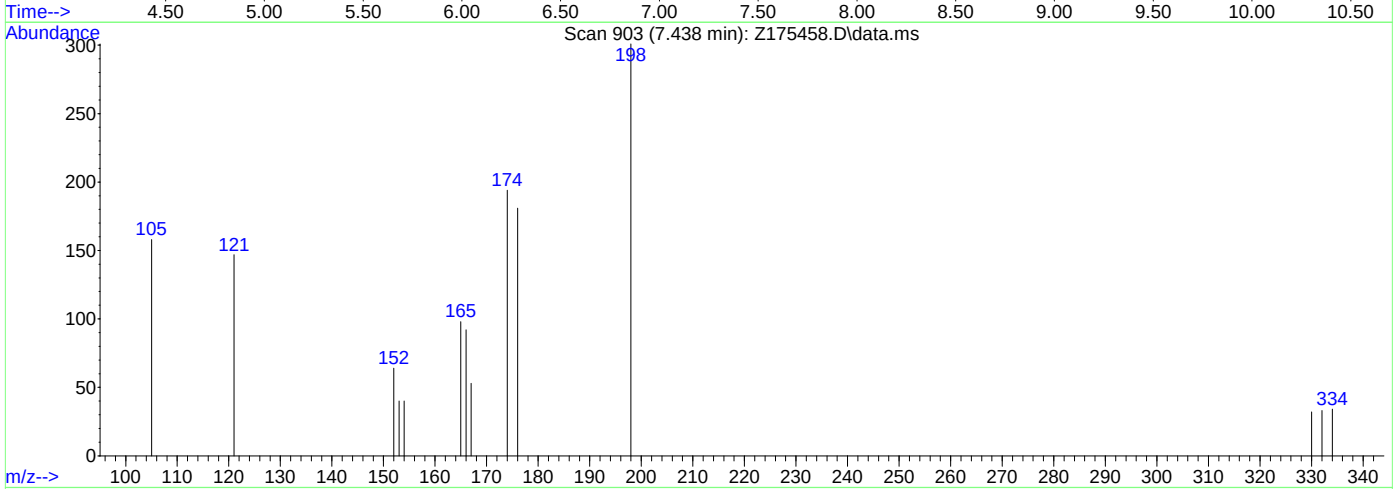
Ion	Exp%	Act%
198.00	100	100
105.00	45.60	65.31
121.00	49.80	34.69
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175458.D
Acq On : 10 Sep 2025 2:19 pm
Operator : rocquans
Sample : ic8654-0.1
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 10 16:30:41 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175458.D\data.ms

(17) 4,6-dinitro-2-methylphenol

7.438min (+0.021) 414.15ppb m

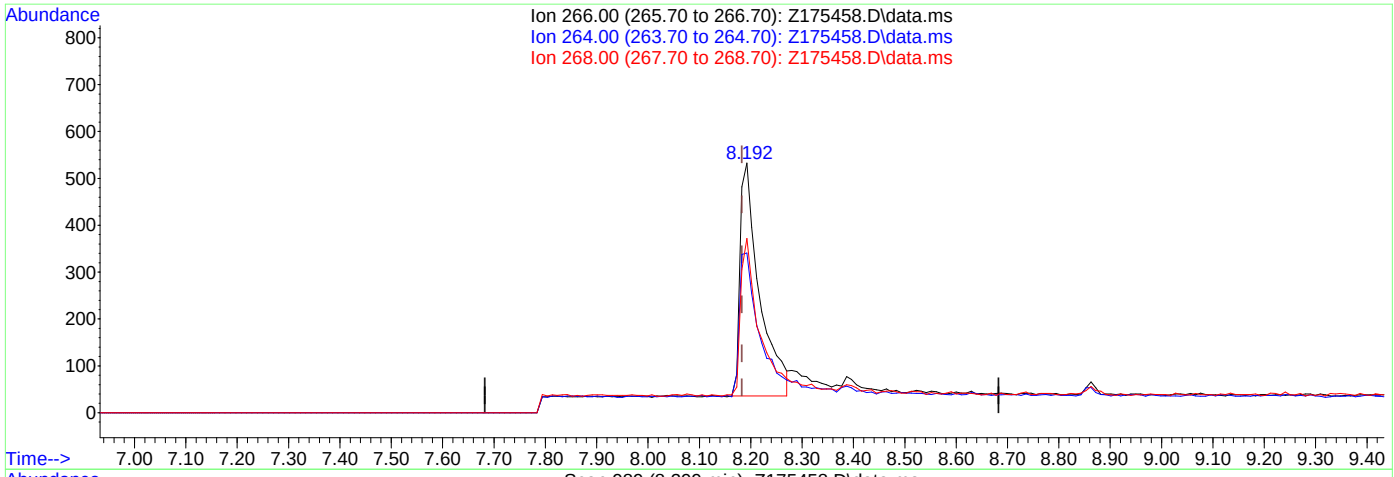
response 812

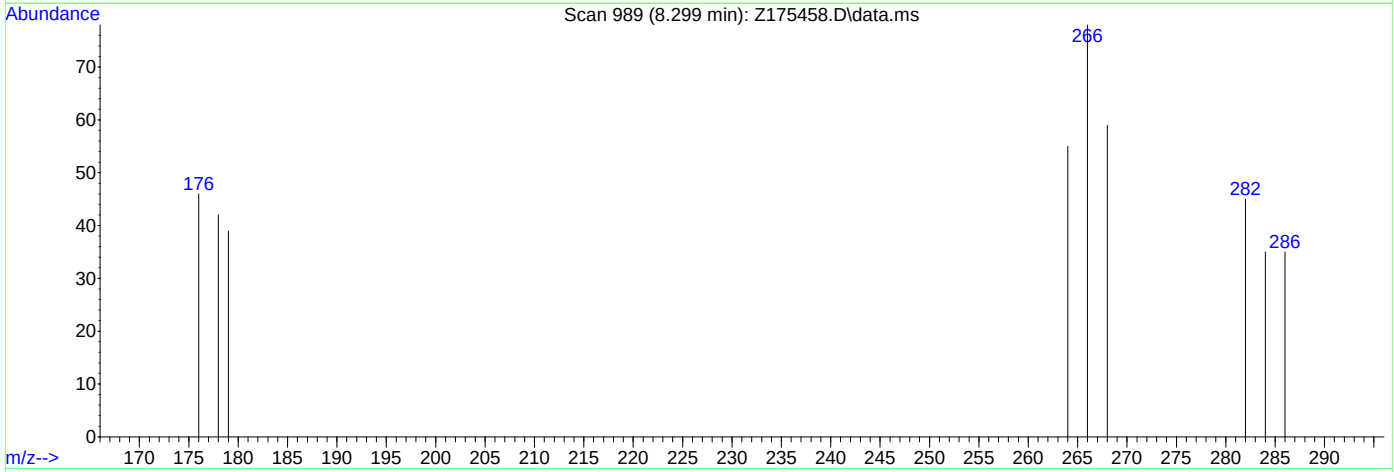
Ion	Exp%	Act%
198.00	100	100
105.00	45.60	52.49
121.00	49.80	48.84
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175458.D
Acq On : 10 Sep 2025 2:19 pm
Operator : rocquans
Sample : ic8654-0.1
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 10 16:30:41 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175458.D\data.ms

(21) Pentachlorophenol (t)

8.192min (+0.010) 418.93ppb

response 1303

Ion	Exp%	Act%
266.00	100	100
264.00	60.80	61.42
268.00	66.30	67.27
0.00	0.00	0.00

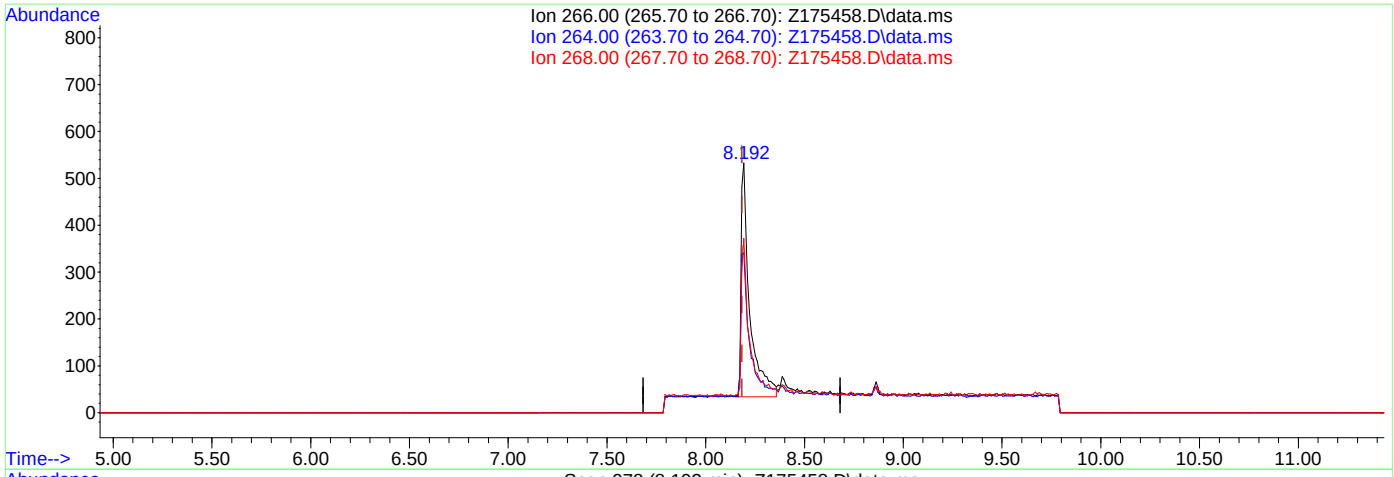
9.6.20.6

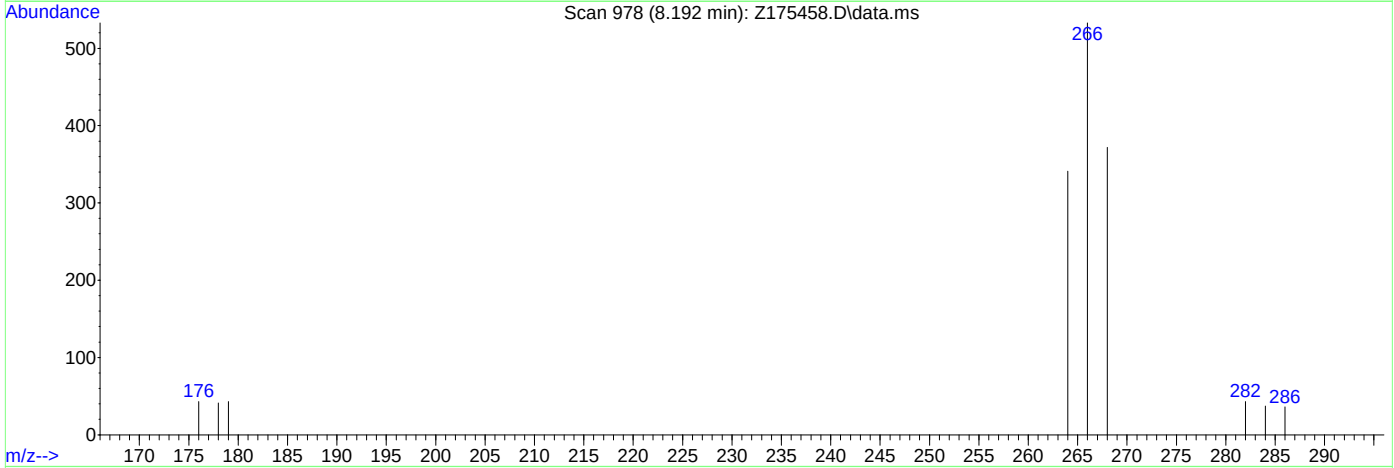
9

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175458.D
Acq On : 10 Sep 2025 2:19 pm
Operator : rocquans
Sample : ic8654-0.1
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 10 16:30:41 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175458.D\data.ms

(21) Pentachlorophenol (t)

8.192min (+0.010) 486.44ppb m

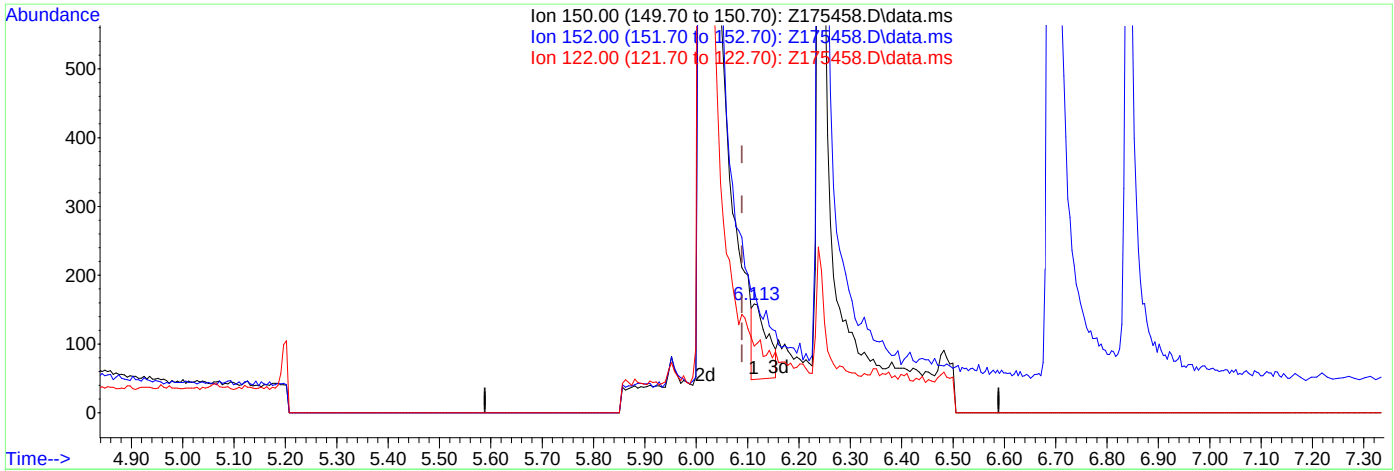
response 1513

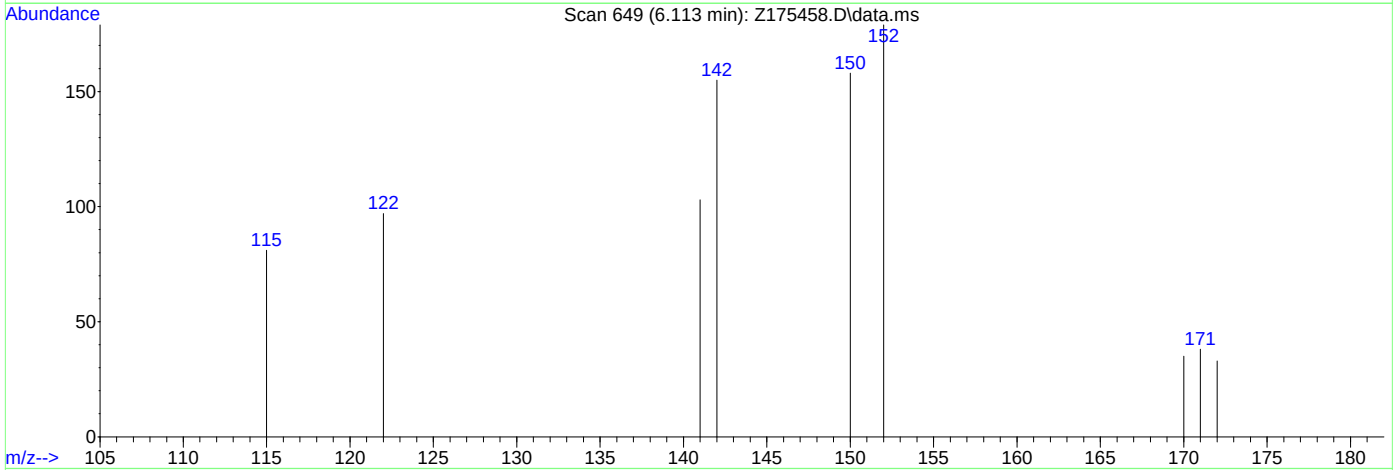
Ion	Exp%	Act%
266.00	100	100
264.00	60.80	63.98
268.00	66.30	69.79
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175458.D
Acq On : 10 Sep 2025 2:19 pm
Operator : rocquans
Sample : ic8654-0.1
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 10 16:32:12 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175458.D\data.ms

(36) 1-Methylnaphthalene-d10a

6.113min (+0.024) 800.00ppb

response 212

Ion	Exp%	Act%
150.00	100	100
152.00	80.50	87.50
122.00	40.20	0.00#
0.00	0.00	0.00

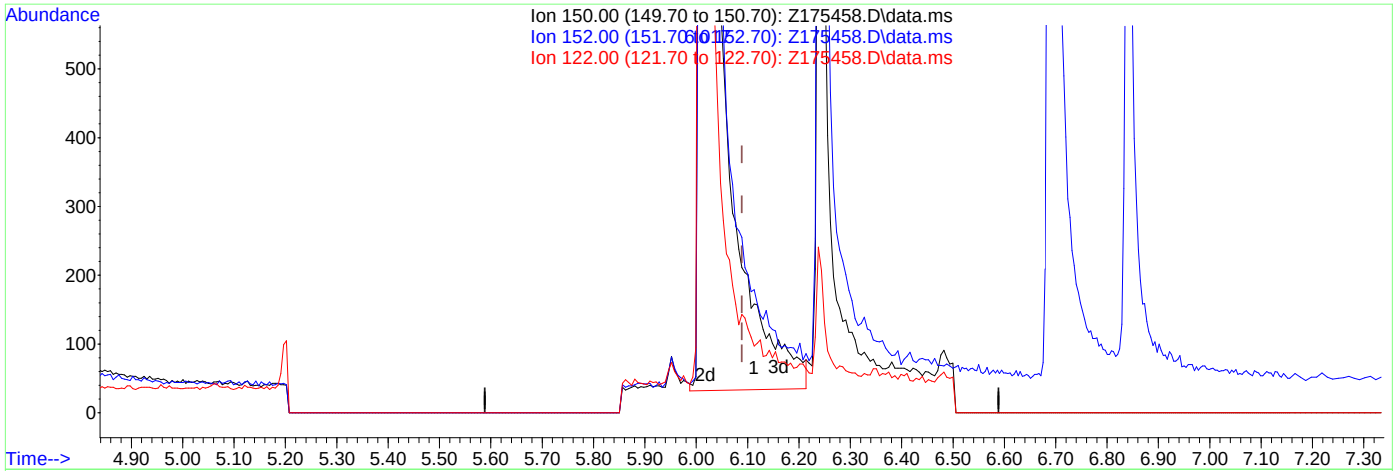
9.6.20.8

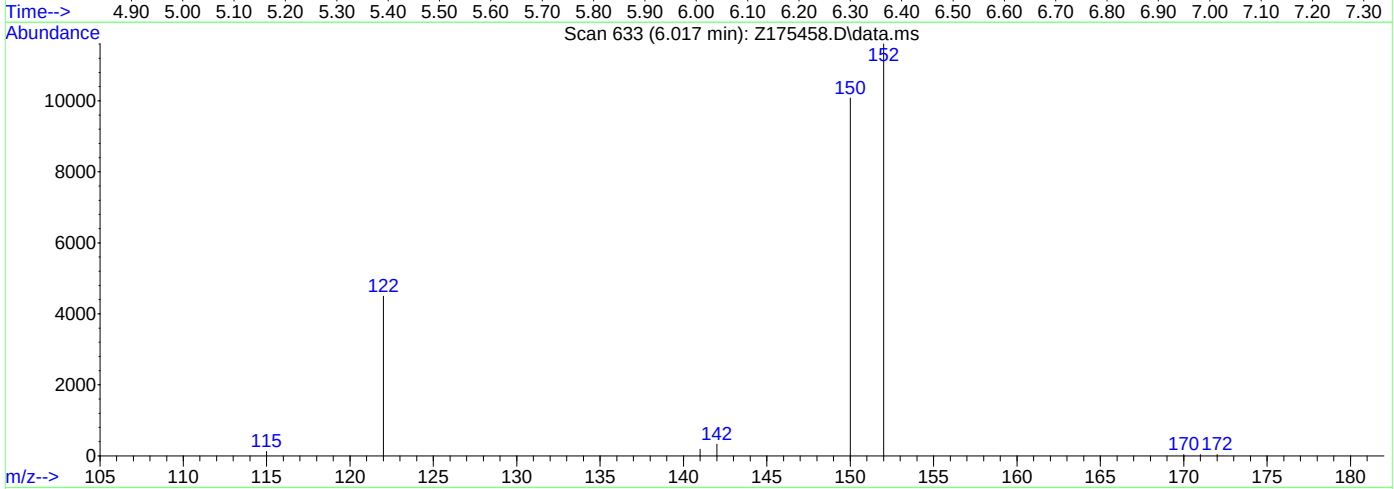
9

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175458.D
Acq On : 10 Sep 2025 2:19 pm
Operator : rocquans
Sample : ic8654-0.1
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 10 16:32:12 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175458.D\data.ms

(36) 1-Methylnaphthalene-d10a

6.017min (-0.072) 800.00ppb m

response 11711

Ion	Exp%	Act%
150.00	100	100
152.00	80.50	115.14#
122.00	40.20	44.64
0.00	0.00	0.00

Z175459.D

Manual Integrations APPROVED (compounds with "m" flag)

Nina Pandya
09/15/25 15:51

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175459.D
Acq On : 10 Sep 2025 2:44 pm
Operator : rocquans
Sample : icc8654-0.2
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 11 11:57:05 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	6.011	150	10983	800.00	ppb	0.00
12) Fluorene-d10	7.302	176	15035	800.00	ppb	0.00
19) Fluoranthene-d10	9.992	212	24964	800.00	ppb	0.00
29) Benzo(a)pyrene-d12	14.197	264	17111	800.00	ppb	0.00
36) 1-Methylnaphthalene-d10a	6.011	150	11585m	800.00	ppb	-0.08
System Monitoring Compounds						
3) 2-Fluorophenol	3.621	112	33379	4000.00	ppb	0.00
Spiked Amount 10000.000			Recovery = 40.00%			
4) Phenol-d5	4.324	99	36504	4000.00	ppb	0.00
Spiked Amount 10000.000			Recovery = 40.00%			
6) Nitrobenzene-d5	4.941	82	40535	4000.00	ppb	0.00
Spiked Amount 10000.000			Recovery = 40.00%			
13) 2-Fluorobiphenyl	6.244	172	89025	4000.00	ppb	0.00
Spiked Amount 10000.000			Recovery = 40.00%			
18) 2,4,6-Tribromophenol	7.585	330	15886	4000.00	ppb	0.00
Spiked Amount 10000.000			Recovery = 40.00%			
26) Terphenyl-d14	10.615	244	88906	4000.00	ppb	0.00
Spiked Amount 10000.000			Recovery = 40.00%			
Target Compounds						Qvalue
2) 1,4-Dioxane	2.241	88	877m	197.08	ppb	
5) Phenol	4.335	94	9252	1000.00	ppb	100
7) Naphthalene	5.472	128	6279	200.00	ppb	100
8) Hexachlorobutadiene	5.550	225	1666	200.00	ppb	100
9) 2-Methylnaphthalene	5.970	141	3896	200.00	ppb	100
10) 1-Methylnaphthalene	6.041	141	3986	200.00	ppb	100
14) Acenaphthylene	6.687	152	6435	200.00	ppb	100
15) Acenaphthene	6.841	153	4526	200.00	ppb	100
16) Fluorene	7.334	166	5215	200.00	ppb	100
17) 4,6-dinitro-2-methylph...	7.417	198	1978	1000.00	ppb	100
20) Hexachlorobenzene	7.920	284	1800	200.00	ppb	100
21) Pentachlorophenol	8.183	266	2977	1000.00	ppb	100
22) Phenanthrene	8.416	178	6317	200.00	ppb	100
23) Anthracene	8.484	178	7842	200.00	ppb	100
24) Fluoranthene	10.016	202	7519	200.00	ppb	100
25) Pyrene	10.345	202	7915	200.00	ppb	100
27) Benzo[a]anthracene	12.198	228	5017	200.00	ppb	100
28) Chrysene	12.250	228	8616	200.00	ppb	100
30) Benzo[b]fluoranthene	13.783	252	4738	200.00	ppb	100
31) Benzo[k]fluoranthene	13.818	252	7477	200.00	ppb	100
32) Benzo[a]pyrene	14.220	252	5716	200.00	ppb	100
33) Indeno[1,2,3-cd]pyrene	15.665	276	6468	200.00	ppb	100
34) Dibenz[a,h]anthracene	15.703	278	5357	200.00	ppb	100
35) Benzo[g,h,i]perylene	16.011	276	5642	200.00	ppb	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

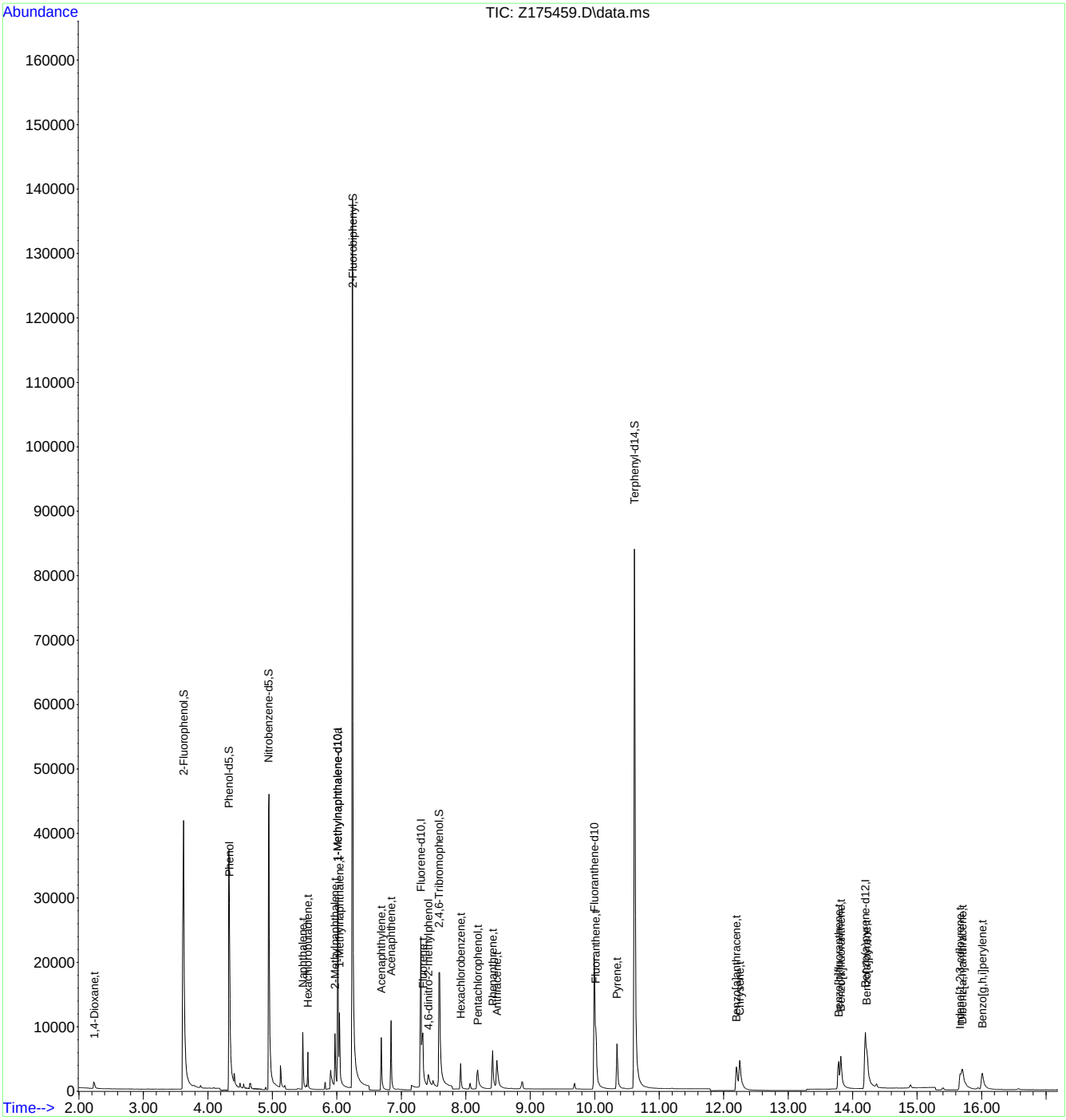
9.6.21

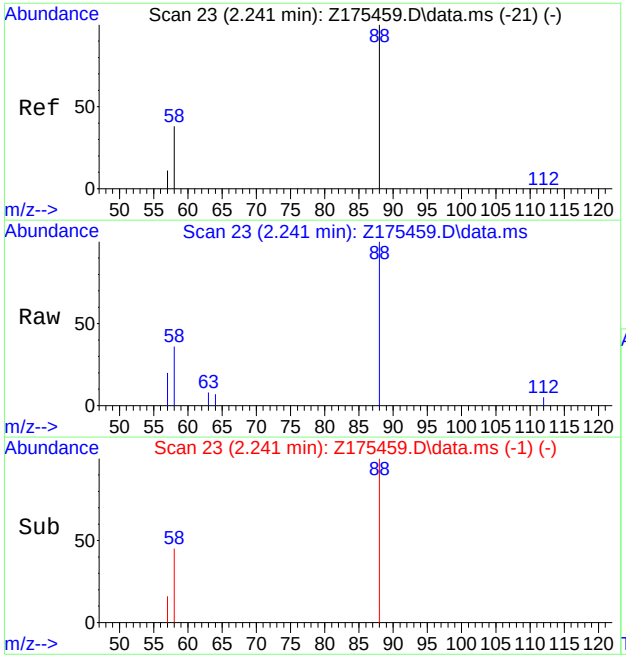
9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175459.D
Acq On : 10 Sep 2025 2:44 pm
Operator : rocquans
Sample : icc8654-0.2
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 11 11:57:05 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration

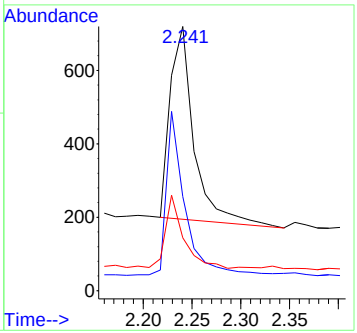


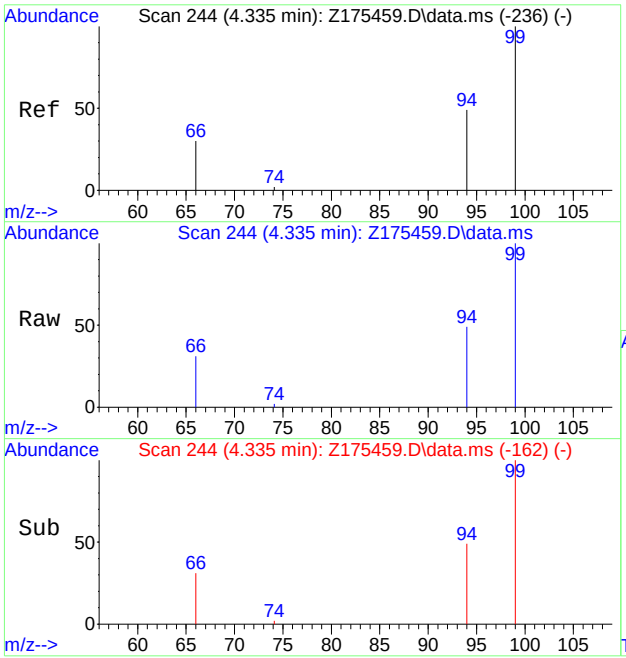


#2
1,4-Dioxane
Concen: 197.08 ppb m
RT: 2.241 min Scan# 23
Delta R.T. 0.000 min
Lab File: Z175459.D
Acq: 10 Sep 2025 2:44 pm

Tgt Ion: 88 Resp: 877

Ion	Ratio	Lower	Upper
88	100		
58	35.6	15.6	55.6
57	20.0	0.0	40.0

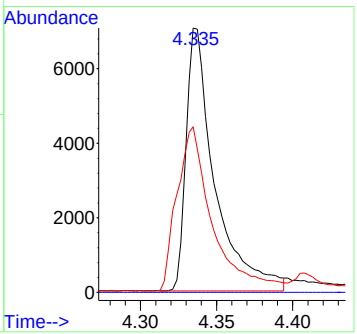


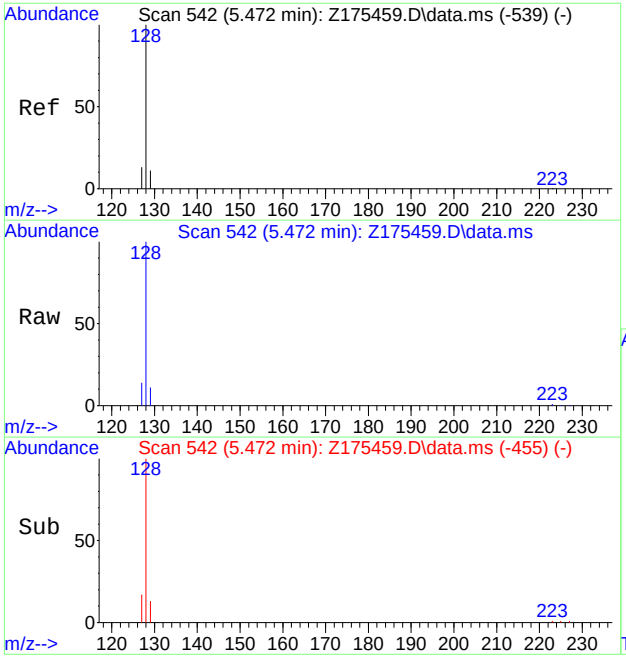


#5
Phenol
Concen: 1000.00 ppb
RT: 4.335 min Scan# 244
Delta R.T. 0.000 min
Lab File: Z175459.D
Acq: 10 Sep 2025 2:44 pm

Tgt Ion: 94 Resp: 9252

Ion	Ratio	Lower	Upper
94	100		
65	0.0	0.0	0.0
66	62.3	49.8	74.8

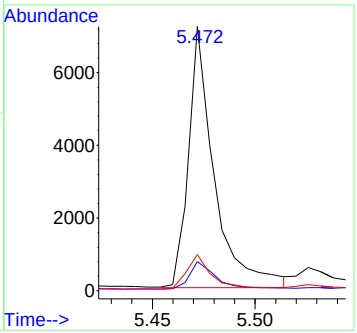


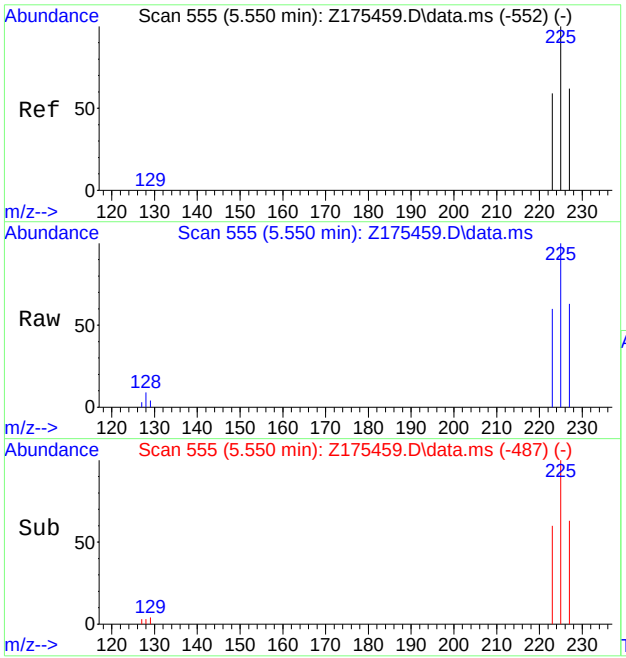


#7
Naphthalene
Concen: 200.00 ppb
RT: 5.472 min Scan# 542
Delta R.T. 0.000 min
Lab File: Z175459.D
Acq: 10 Sep 2025 2:44 pm

Tgt Ion:128 Resp: 6279

Ion	Ratio	Lower	Upper
128	100		
129	10.6	0.0	40.6
127	13.3	0.0	43.3

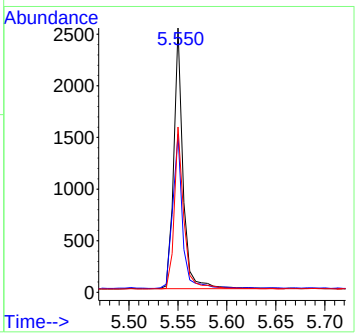


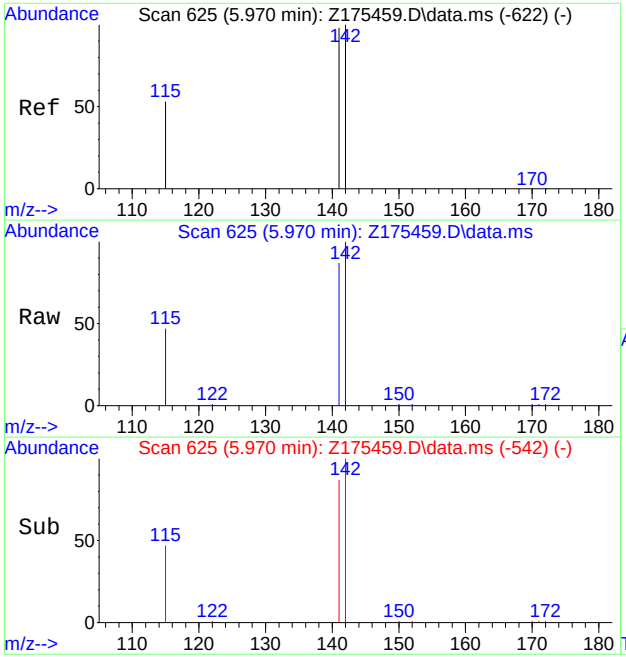


#8
Hexachlorobutadiene
Concen: 200.00 ppb
RT: 5.550 min Scan# 555
Delta R.T. 0.000 min
Lab File: Z175459.D
Acq: 10 Sep 2025 2:44 pm

Tgt Ion:225 Resp: 1666

Ion	Ratio	Lower	Upper
225	100		
223	59.0	29.0	89.0
227	62.1	32.1	92.1

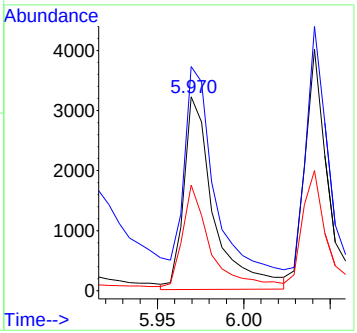


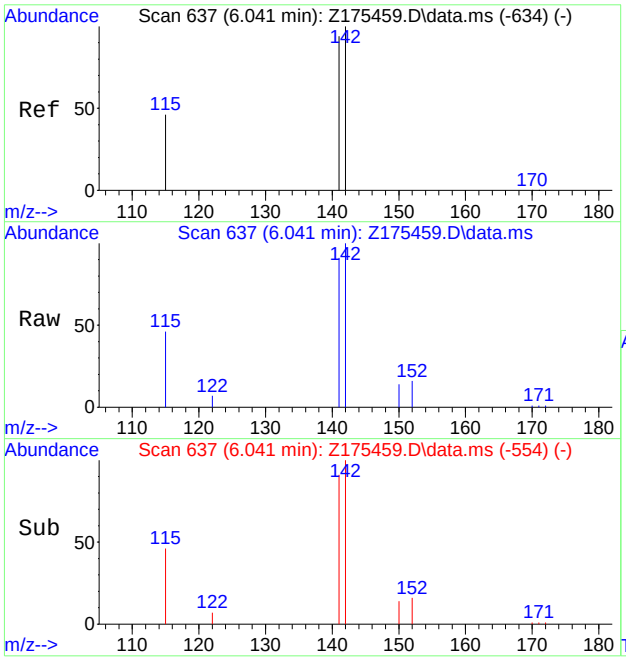


#9
2-Methylnaphthalene
Concen: 200.00 ppb
RT: 5.970 min Scan# 625
Delta R.T. 0.000 min
Lab File: Z175459.D
Acq: 10 Sep 2025 2:44 pm

Tgt Ion:141 Resp: 3896

Ion	Ratio	Lower	Upper
141	100		
142	107.1	77.1	137.1
115	54.3	24.3	84.3

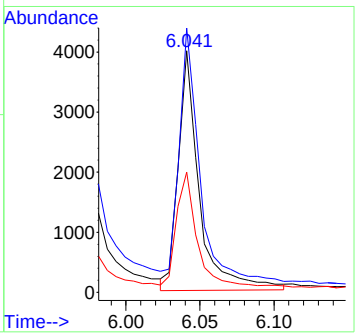


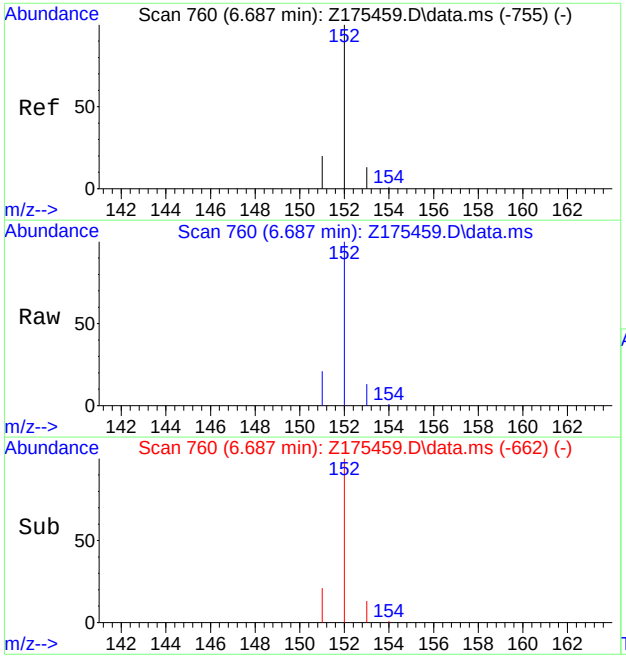


#10
1-Methylnaphthalene
Concen: 200.00 ppb
RT: 6.041 min Scan# 637
Delta R.T. 0.000 min
Lab File: Z175459.D
Acq: 10 Sep 2025 2:44 pm

Tgt Ion:141 Resp: 3986

Ion	Ratio	Lower	Upper
141	100		
142	107.6	77.6	137.6
115	49.1	19.1	79.1

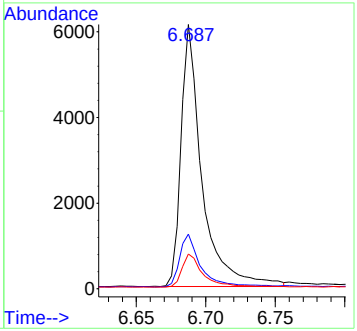


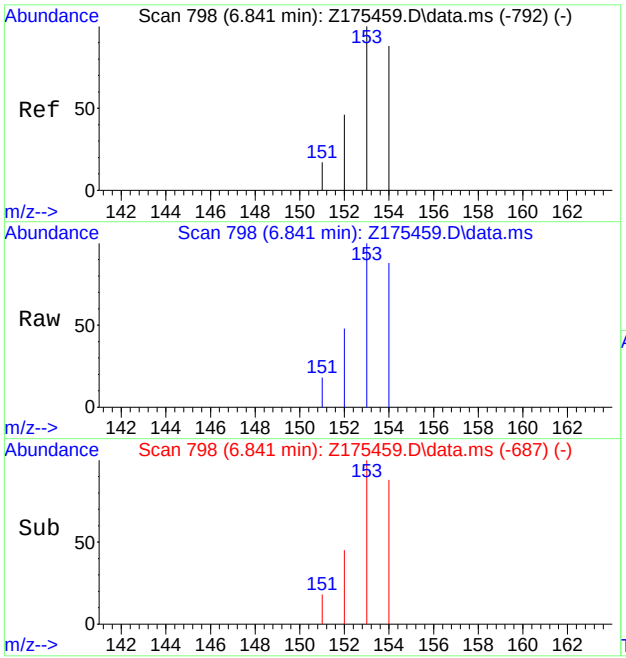


#14
Acenaphthylene
Concen: 200.00 ppb
RT: 6.687 min Scan# 760
Delta R.T. 0.000 min
Lab File: Z175459.D
Acq: 10 Sep 2025 2:44 pm

Tgt Ion:152 Resp: 6435

Ion	Ratio	Lower	Upper
152	100		
151	20.1	0.0	50.1
153	12.6	0.0	42.6

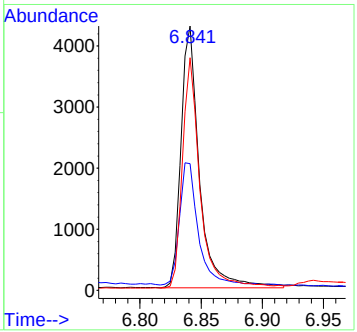


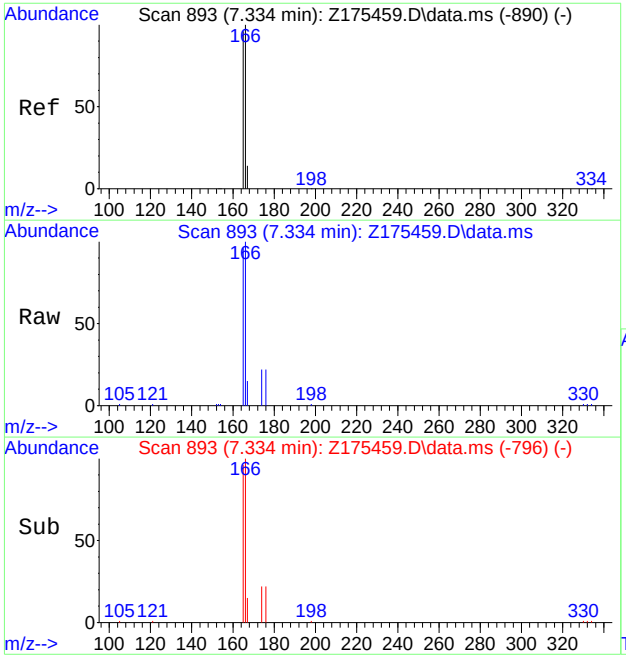


#15
Acenaphthene
Concen: 200.00 ppb
RT: 6.841 min Scan# 798
Delta R.T. 0.000 min
Lab File: Z175459.D
Acq: 10 Sep 2025 2:44 pm

Tgt Ion:153 Resp: 4526

Ion	Ratio	Lower	Upper
153	100		
152	46.6	16.6	76.6
154	87.9	57.9	117.9

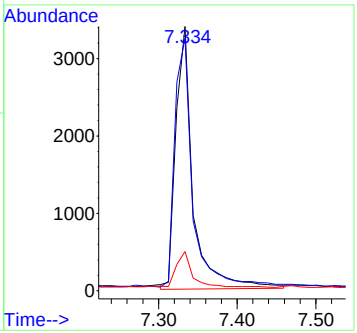


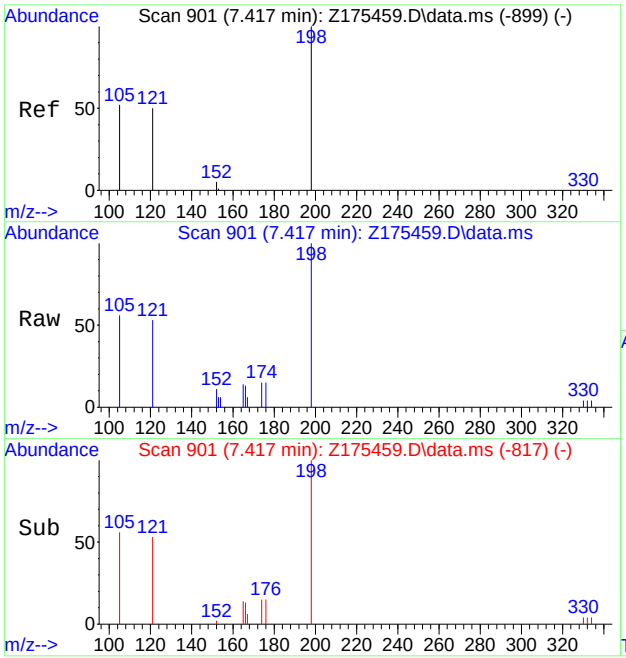


#16
Fluorene
Concen: 200.00 ppb
RT: 7.334 min Scan# 893
Delta R.T. 0.000 min
Lab File: Z175459.D
Acq: 10 Sep 2025 2:44 pm

Tgt Ion:166 Resp: 5215

Ion	Ratio	Lower	Upper
166	100		
165	95.8	65.8	125.8
167	13.5	0.0	43.5

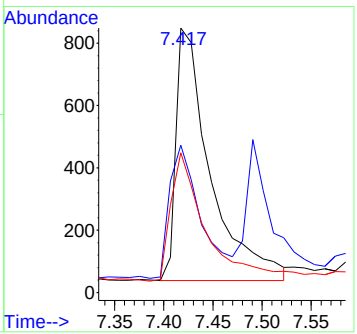




#17
4,6-dinitro-2-methylphenol
Concen: 1000.00 ppb
RT: 7.417 min Scan# 901
Delta R.T. 0.000 min
Lab File: Z175459.D
Acq: 10 Sep 2025 2:44 pm

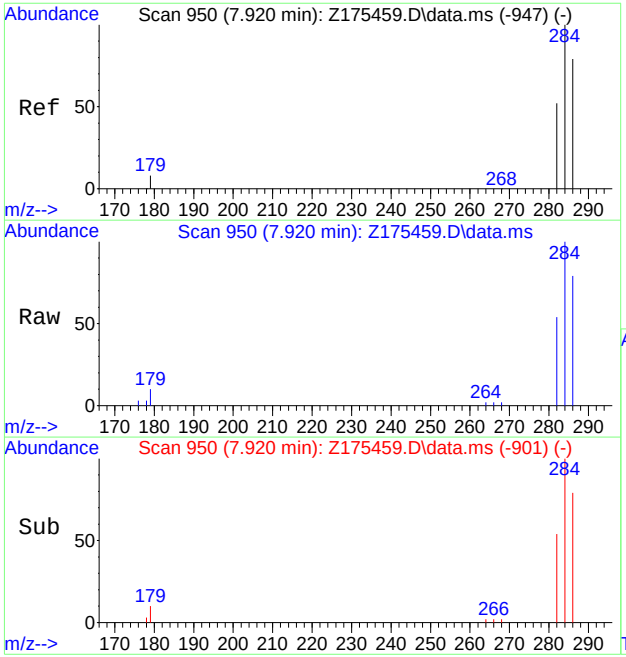
Tgt Ion:198 Resp: 1978

Ion	Ratio	Lower	Upper
198	100		
105	45.6	25.6	65.6
121	49.8	29.8	69.8



9.6.21

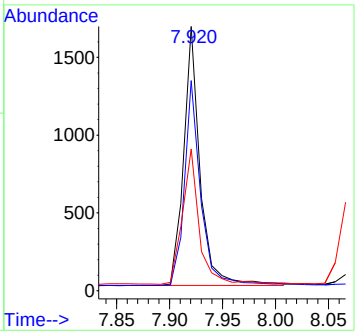
9

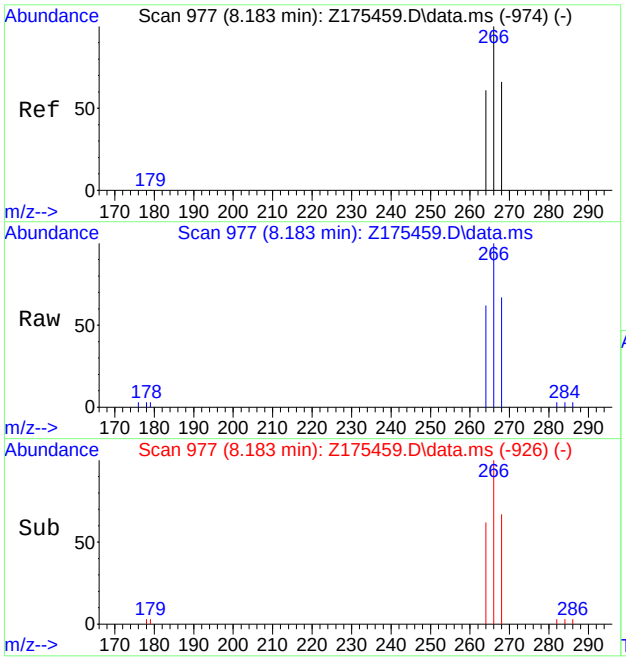


#20
Hexachlorobenzene
Concen: 200.00 ppb
RT: 7.920 min Scan# 950
Delta R.T. 0.000 min
Lab File: Z175459.D
Acq: 10 Sep 2025 2:44 pm

Tgt Ion:284 Resp: 1800

Ion	Ratio	Lower	Upper
284	100		
286	78.9	48.9	108.9
282	52.1	22.1	82.1

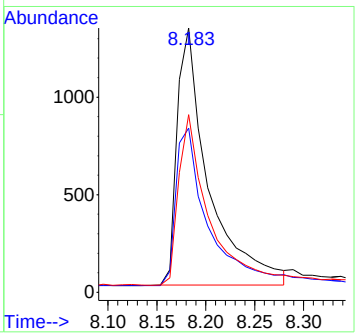




#21
Pentachlorophenol
Concen: 1000.00 ppb
RT: 8.183 min Scan# 977
Delta R.T. 0.000 min
Lab File: Z175459.D
Acq: 10 Sep 2025 2:44 pm

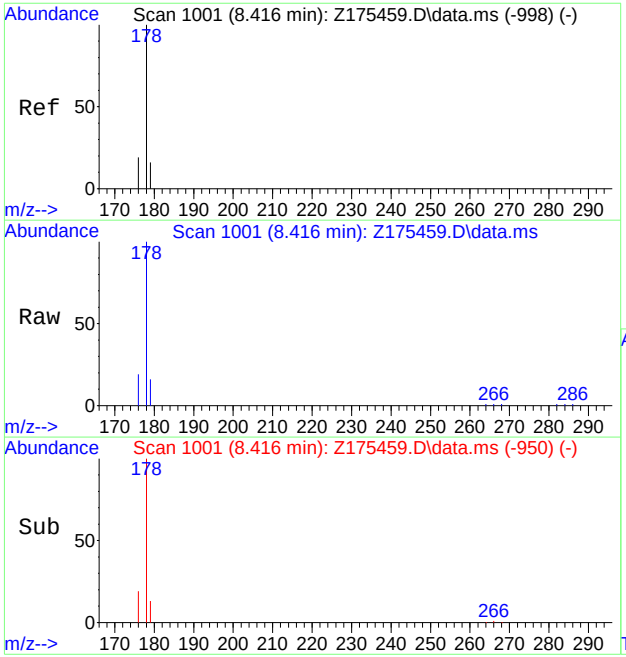
Tgt Ion:266 Resp: 2977

Ion	Ratio	Lower	Upper
266	100		
264	60.8	30.8	90.8
268	66.3	36.3	96.3



9.6.21

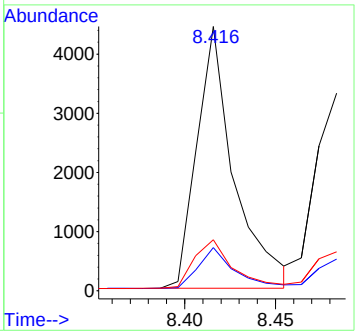
9

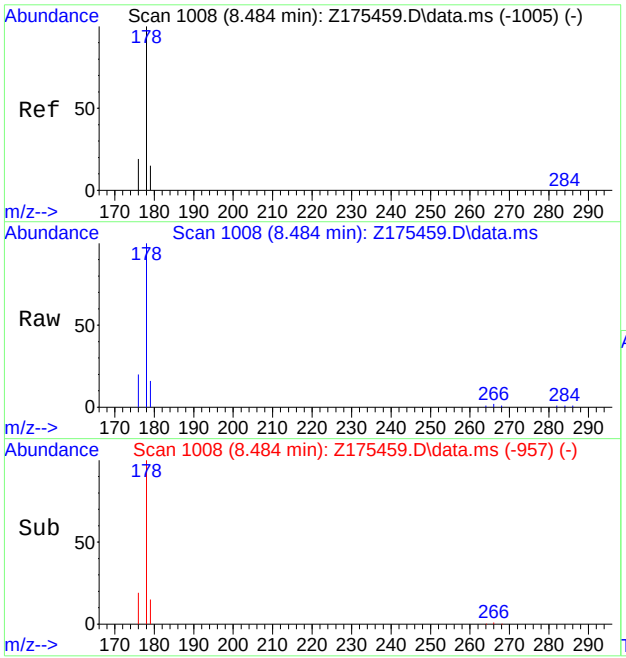


#22
Phenanthrene
Concen: 200.00 ppb
RT: 8.416 min Scan# 1001
Delta R.T. 0.000 min
Lab File: Z175459.D
Acq: 10 Sep 2025 2:44 pm

Tgt Ion:178 Resp: 6317

Ion	Ratio	Lower	Upper
178	100		
179	15.6	0.0	45.6
176	18.6	0.0	48.6

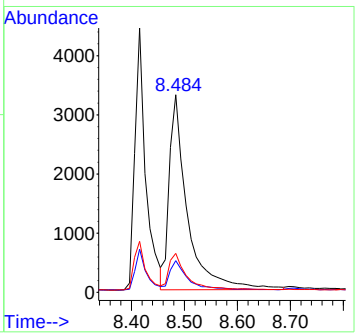


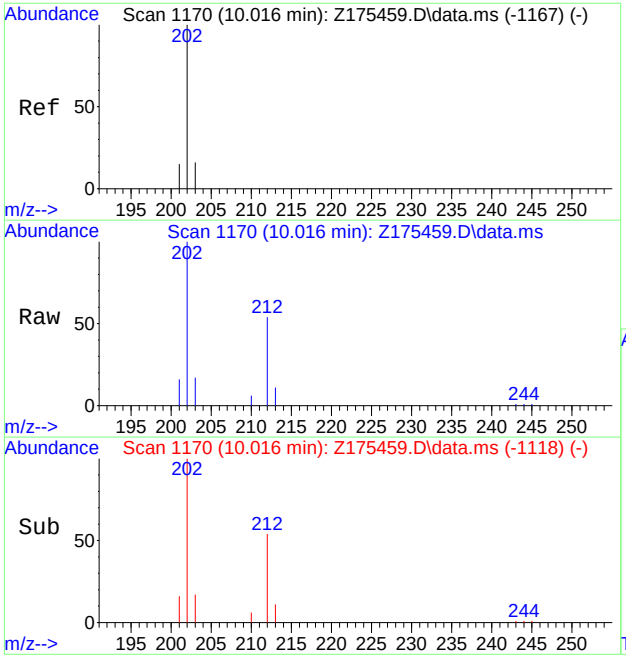


#23
Anthracene
Concen: 200.00 ppb
RT: 8.484 min Scan# 1008
Delta R.T. 0.000 min
Lab File: Z175459.D
Acq: 10 Sep 2025 2:44 pm

Tgt Ion:178 Resp: 7842

Ion	Ratio	Lower	Upper
178	100		
179	14.8	0.0	44.8
176	18.7	0.0	48.7

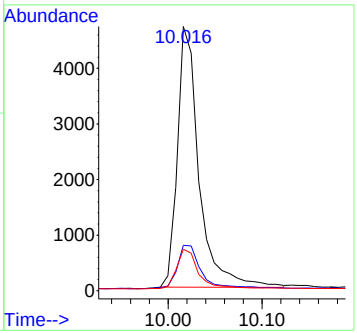


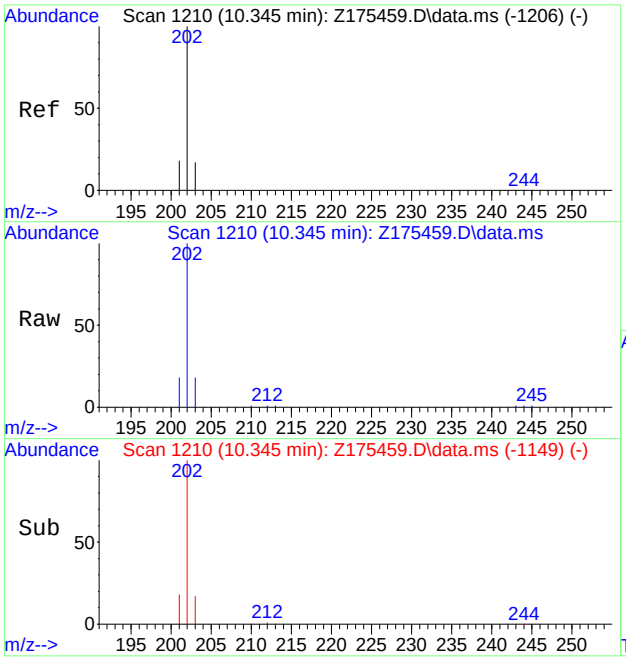


#24
Fluoranthene
Concen: 200.00 ppb
RT: 10.016 min Scan# 1170
Delta R.T. 0.000 min
Lab File: Z175459.D
Acq: 10 Sep 2025 2:44 pm

Tgt Ion:202 Resp: 7519

Ion	Ratio	Lower	Upper
202	100		
203	16.4	0.0	46.4
201	15.1	0.0	45.1

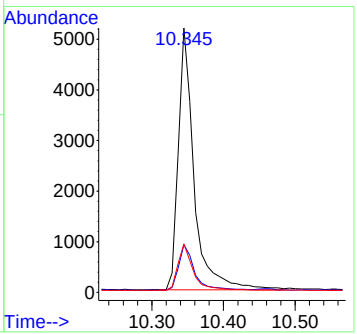




#25
Pyrene
Concen: 200.00 ppb
RT: 10.345 min Scan# 1210
Delta R.T. 0.000 min
Lab File: Z175459.D
Acq: 10 Sep 2025 2:44 pm

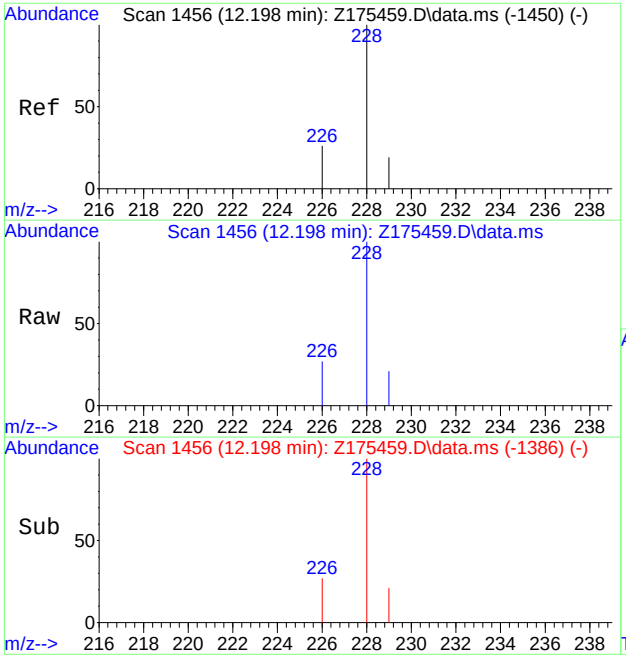
Tgt Ion:202 Resp: 7915

Ion	Ratio	Lower	Upper
202	100		
203	17.4	0.0	47.4
201	17.8	0.0	47.8



9.6.21

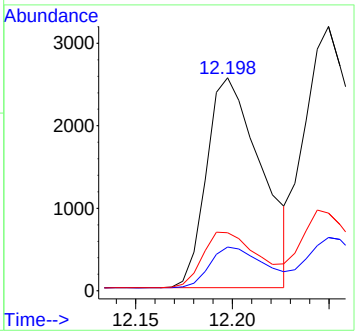
9

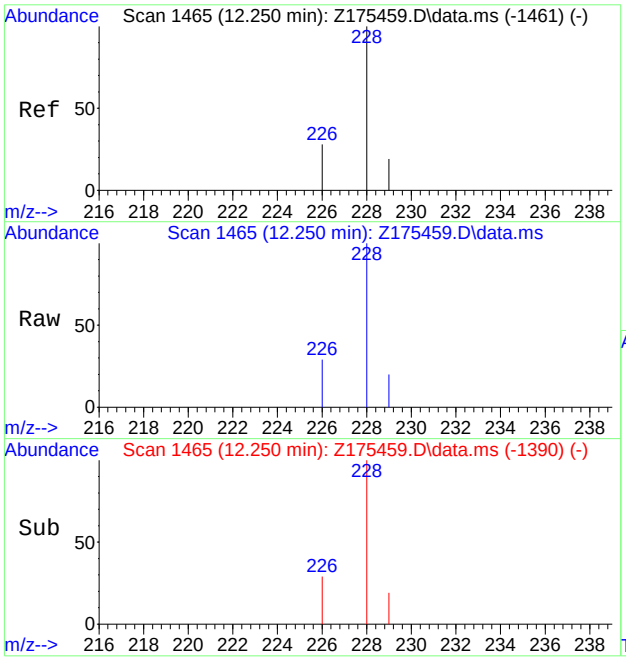


#27
Benzo[a]anthracene
Concen: 200.00 ppb
RT: 12.198 min Scan# 1456
Delta R.T. 0.000 min
Lab File: Z175459.D
Acq: 10 Sep 2025 2:44 pm

Tgt Ion:228 Resp: 5017

Ion	Ratio	Lower	Upper
228	100		
229	19.3	0.0	49.3
226	25.6	0.0	55.6

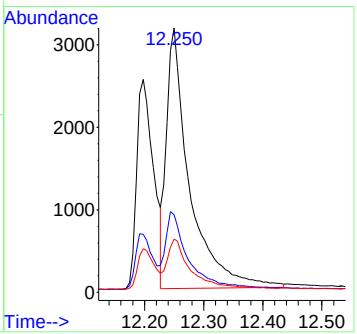


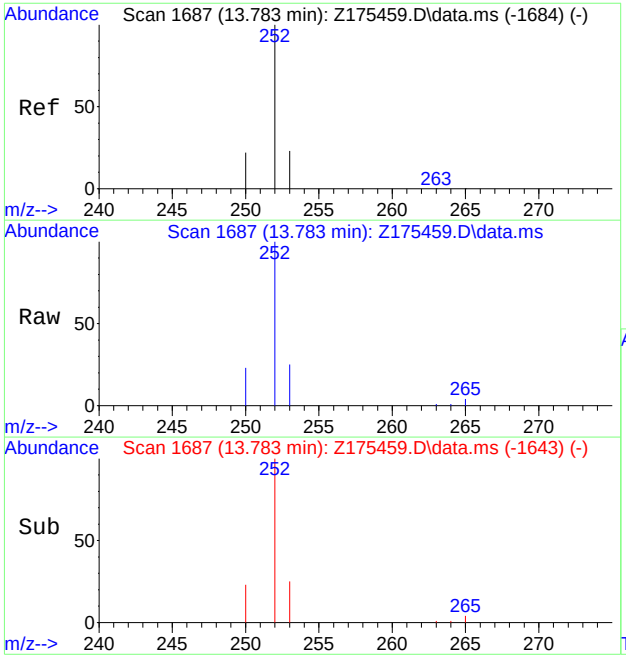


#28
Chrysene
Concen: 200.00 ppb
RT: 12.250 min Scan# 1465
Delta R.T. 0.000 min
Lab File: Z175459.D
Acq: 10 Sep 2025 2:44 pm

Tgt Ion:228 Resp: 8616

Ion	Ratio	Lower	Upper
228	100		
226	28.4	0.0	58.4
229	19.1	0.0	49.1

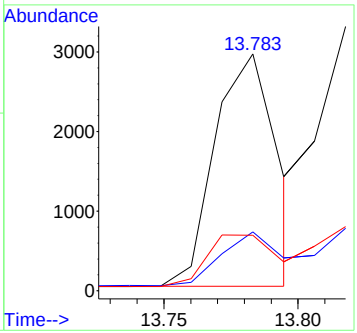


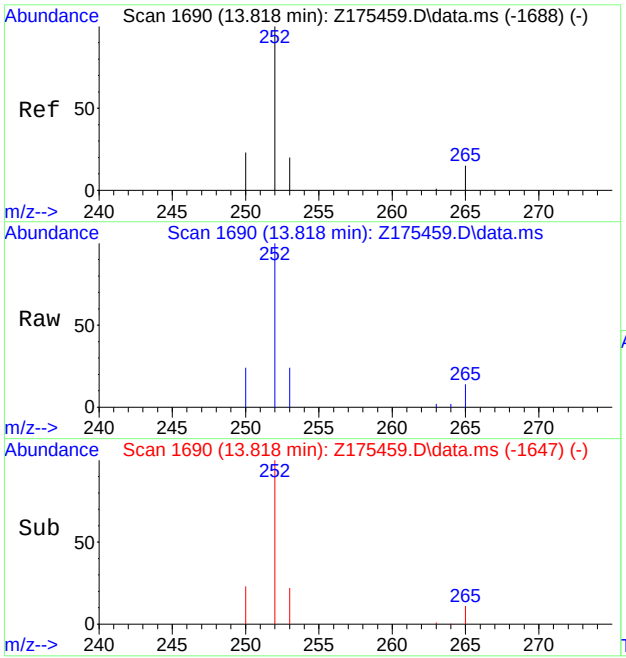


#30
Benzo[b]fluoranthene
Concen: 200.00 ppb
RT: 13.783 min Scan# 1687
Delta R.T. 0.000 min
Lab File: Z175459.D
Acq: 10 Sep 2025 2:44 pm

Tgt Ion:252 Resp: 4738

Ion	Ratio	Lower	Upper
252	100		
253	22.6	0.0	52.6
250	21.9	0.0	51.9

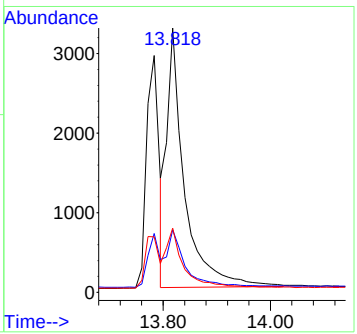


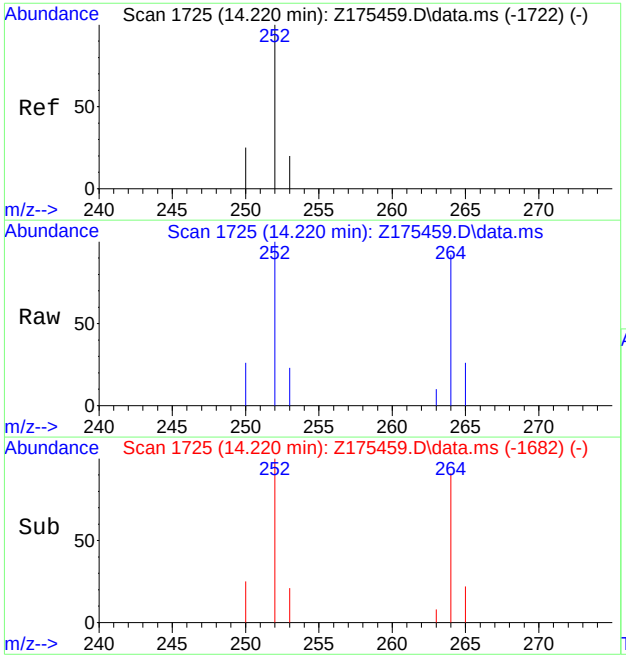


#31
Benzo[k]fluoranthene
Concen: 200.00 ppb
RT: 13.818 min Scan# 1690
Delta R.T. 0.000 min
Lab File: Z175459.D
Acq: 10 Sep 2025 2:44 pm

Tgt Ion:252 Resp: 7477

Ion	Ratio	Lower	Upper
252	100		
253	21.0	0.0	51.0
250	23.1	0.0	53.1

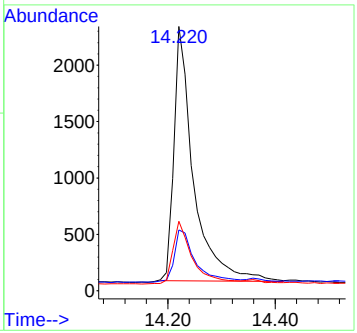


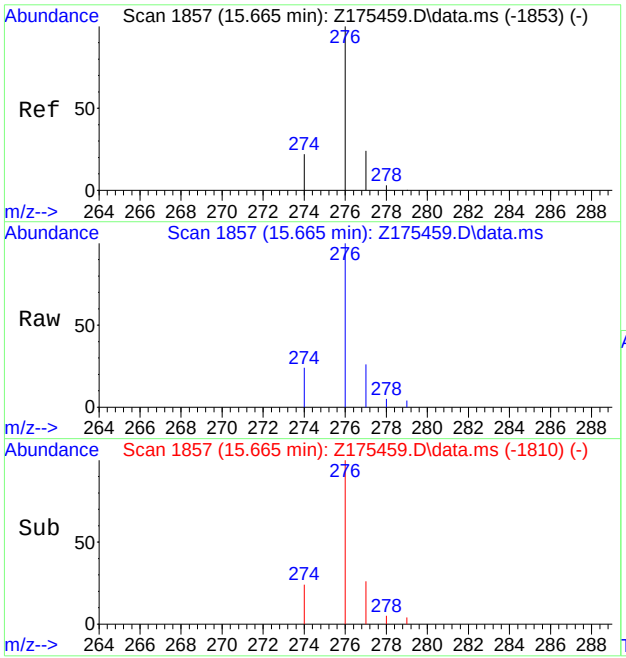


#32
Benzo[a]pyrene
Concen: 200.00 ppb
RT: 14.220 min Scan# 1725
Delta R.T. 0.000 min
Lab File: Z175459.D
Acq: 10 Sep 2025 2:44 pm

Tgt Ion:252 Resp: 5716

Ion	Ratio	Lower	Upper
252	100		
253	20.2	0.0	50.2
250	24.3	0.0	54.3

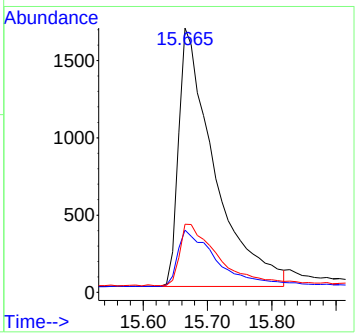


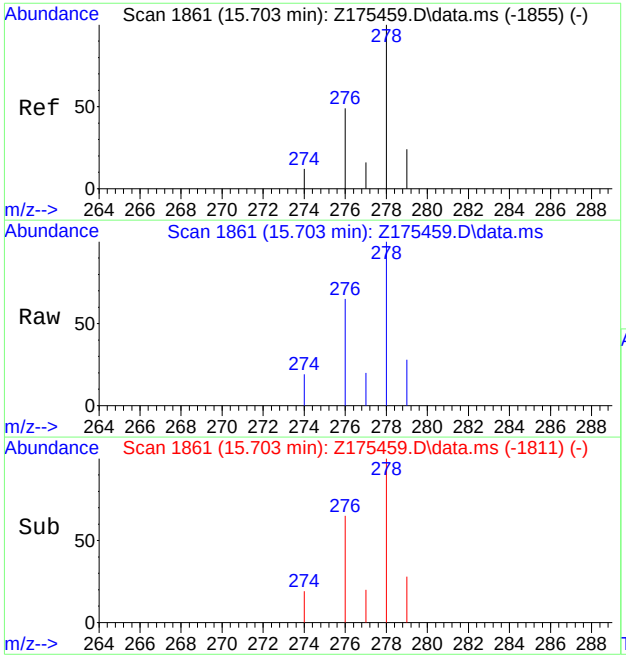


#33
Indeno[1,2,3-cd]pyrene
Concen: 200.00 ppb
RT: 15.665 min Scan# 1857
Delta R.T. 0.000 min
Lab File: Z175459.D
Acq: 10 Sep 2025 2:44 pm

Tgt Ion:276 Resp: 6468

Ion	Ratio	Lower	Upper
276	100		
274	21.7	0.0	51.7
277	23.6	0.0	53.6

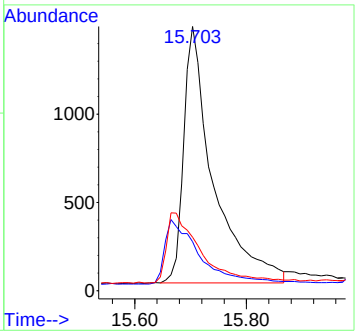


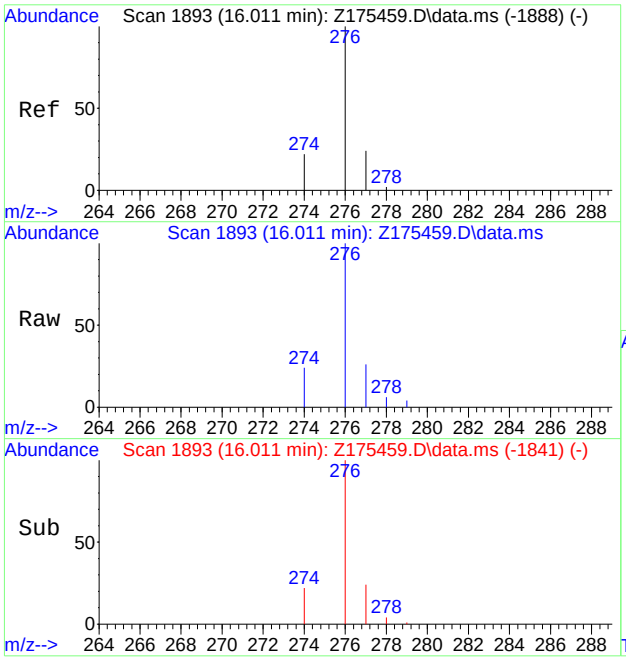


#34
Dibenz[a,h]anthracene
Concen: 200.00 ppb
RT: 15.703 min Scan# 1861
Delta R.T. 0.000 min
Lab File: Z175459.D
Acq: 10 Sep 2025 2:44 pm

Tgt Ion:278 Resp: 5357

Ion	Ratio	Lower	Upper
278	100		
274	14.0	0.0	44.0
277	16.5	0.0	46.5

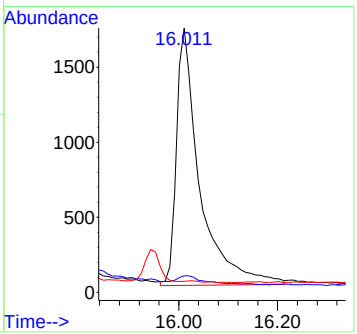




#35
Benzo[g,h,i]perylene
Concen: 200.00 ppb
RT: 16.011 min Scan# 1893
Delta R.T. 0.000 min
Lab File: Z175459.D
Acq: 10 Sep 2025 2:44 pm

Tgt Ion:276 Resp: 5642

Ion	Ratio	Lower	Upper
276	100		
278	2.8	0.0	32.8
279	0.0	0.0	30.0



Manual Integration Approval Summary

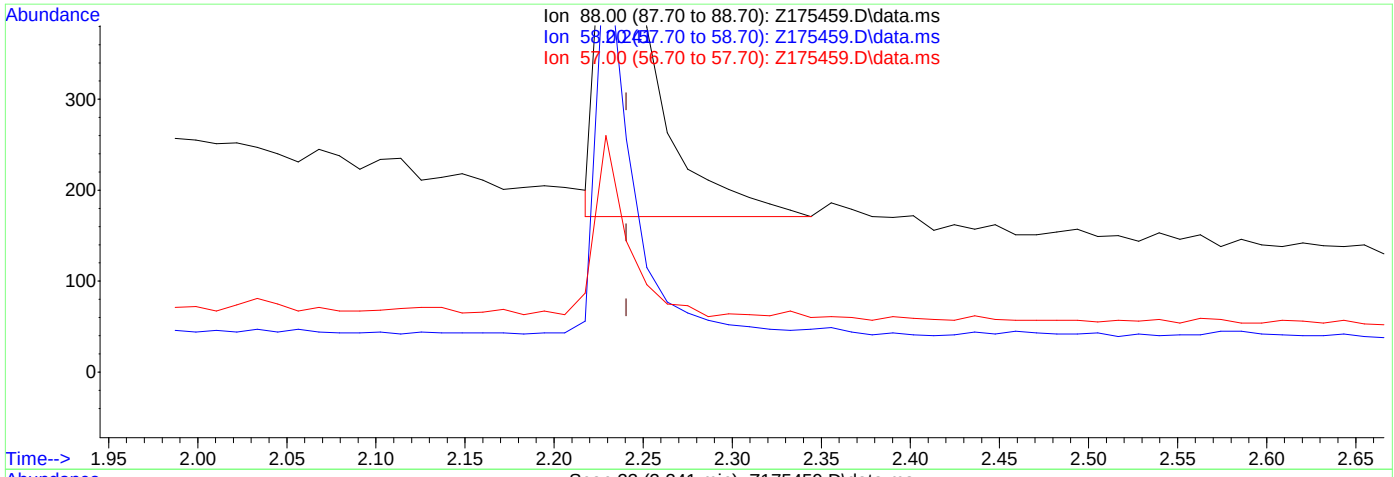
Sample Number:	EZ8654-ICC8654	**Method:**	SW846 8270E BY SIM
Lab FileID:	Z175459.D	**Analyst approved:**	09/11/25 12:07 Ying Li
Injection Time:	09/10/25 14:44	**Supervisor approved:**	09/15/25 15:51 Nina Pandya

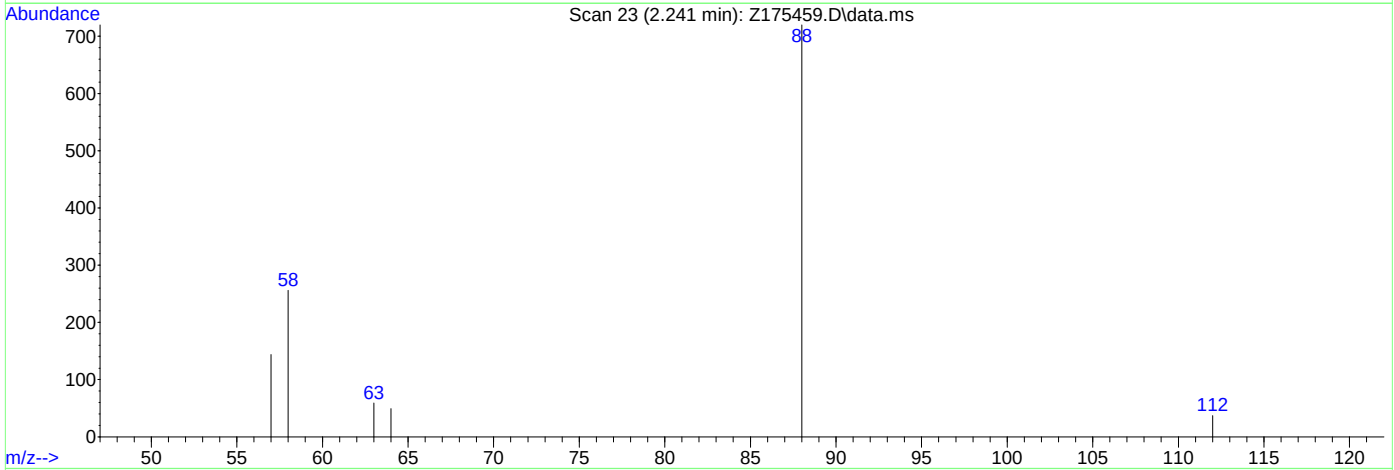
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,4-Dioxane	123-91-1		2.24	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175459.D
Acq On : 10 Sep 2025 2:44 pm
Operator : rocquans
Sample : icc8654-0.2
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 10 16:22:53 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175459.D\data.ms

(2) 1,4-Dioxane (t)

2.241min (0.000) 221.80ppb

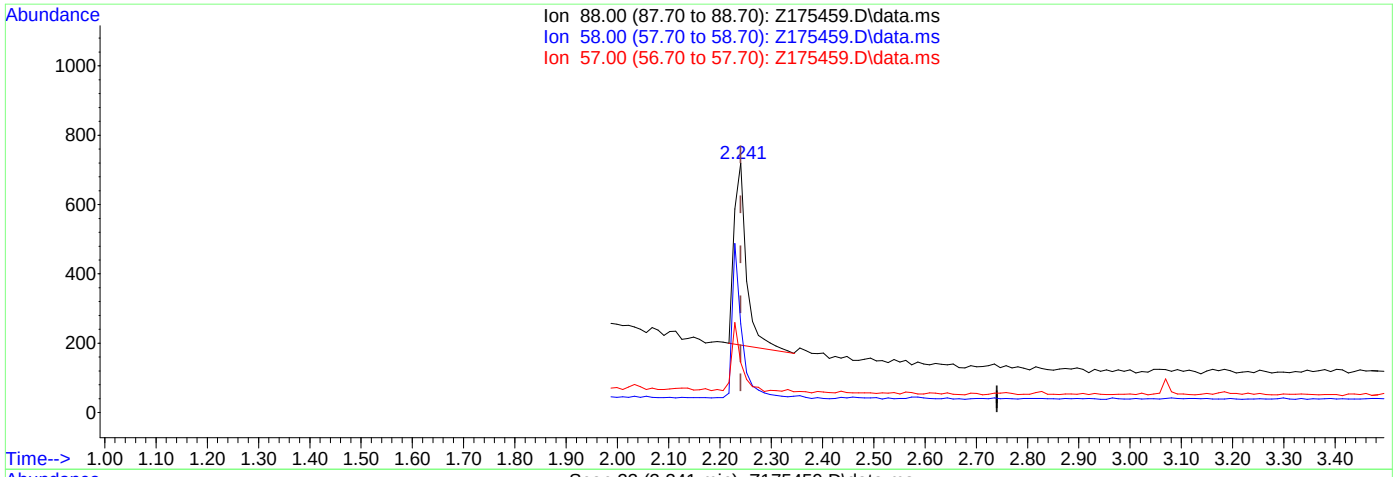
response 987

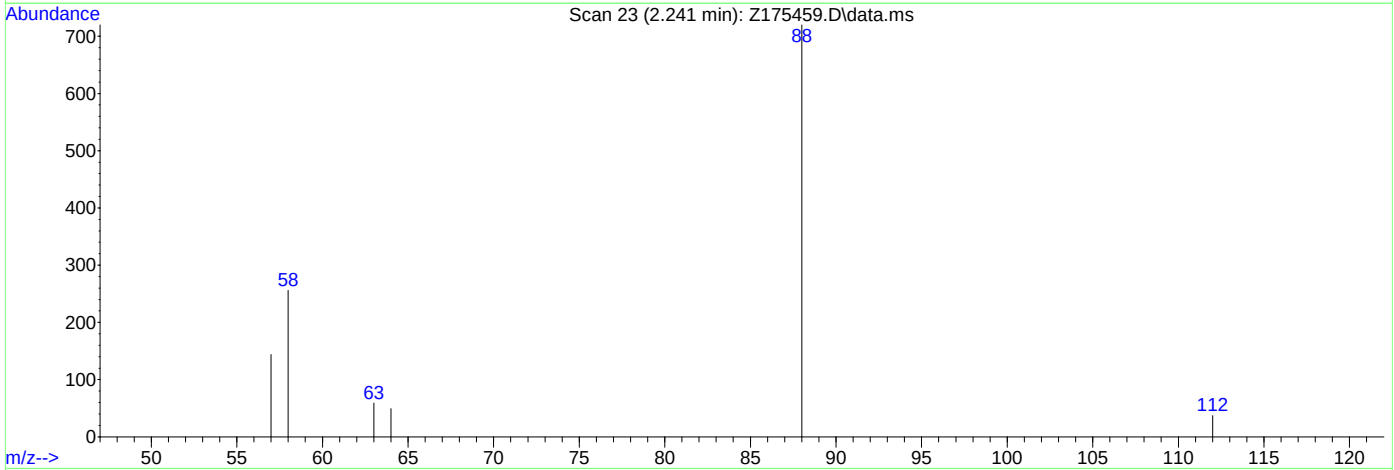
Ion	Exp%	Act%
88.00	100	100
58.00	35.60	38.26
57.00	20.00	13.19
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175459.D
Acq On : 10 Sep 2025 2:44 pm
Operator : rocquans
Sample : icc8654-0.2
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 10 16:22:53 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175459.D\data.ms

(2) 1,4-Dioxane (t)

2.241min (0.000) 197.08ppb m

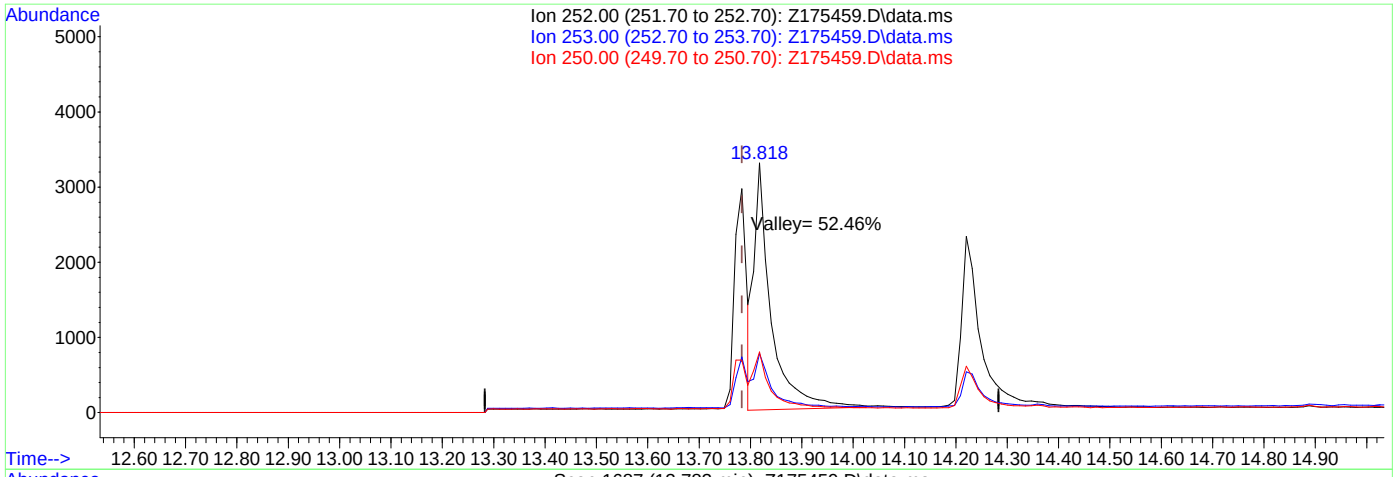
response 877

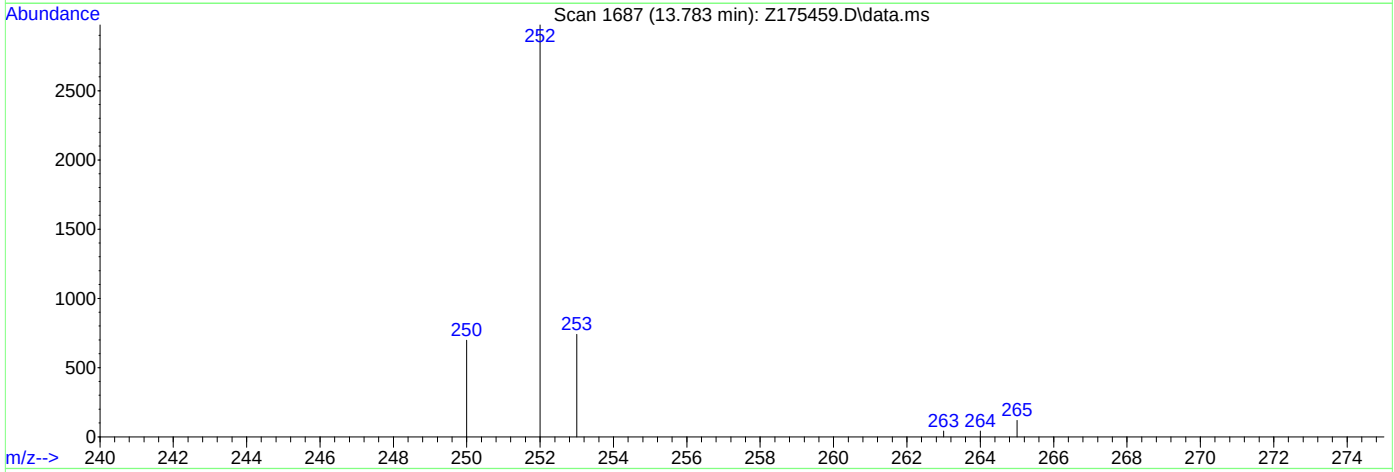
Ion	Exp%	Act%
88.00	100	100
58.00	35.60	35.56
57.00	20.00	20.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175459.D
Acq On : 10 Sep 2025 2:44 pm
Operator : rocquans
Sample : icc8654-0.2
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 10 16:22:53 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175459.D\data.ms

(30) Benzo[b]fluoranthene (t)

13.783min (0.000) 200.00ppb

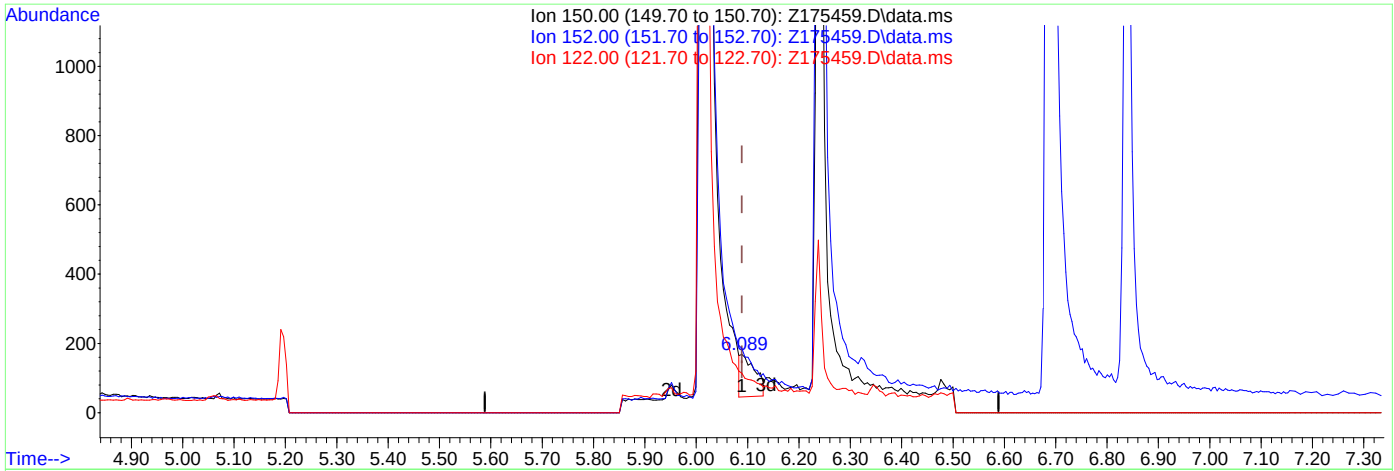
response 4738

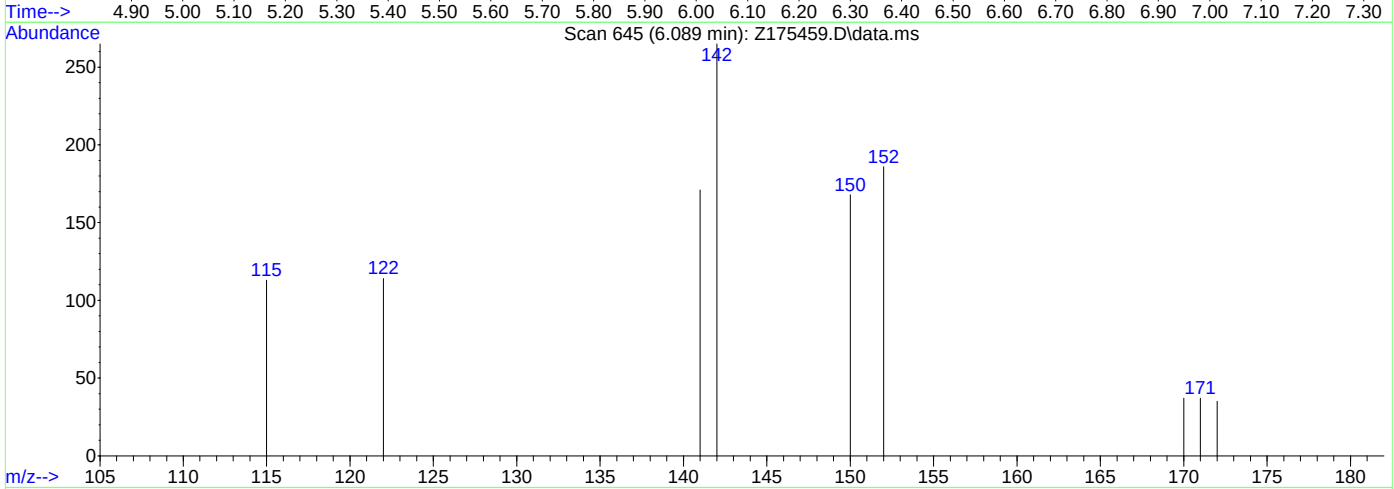
Ion	Exp%	Act%
252.00	100	100
253.00	22.60	22.56
250.00	21.90	21.93
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175459.D
Acq On : 10 Sep 2025 2:44 pm
Operator : rocquans
Sample : icc8654-0.2
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 10 16:23:09 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175459.D\data.ms

(36) 1-Methylnaphthalene-d10a

6.089min (0.000) 800.00ppb

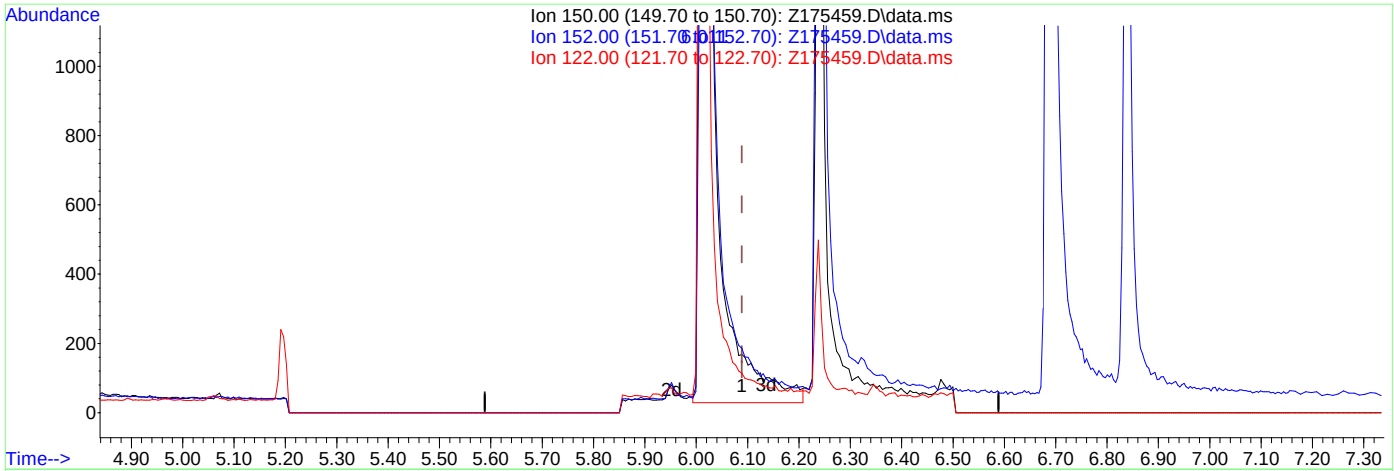
response 241

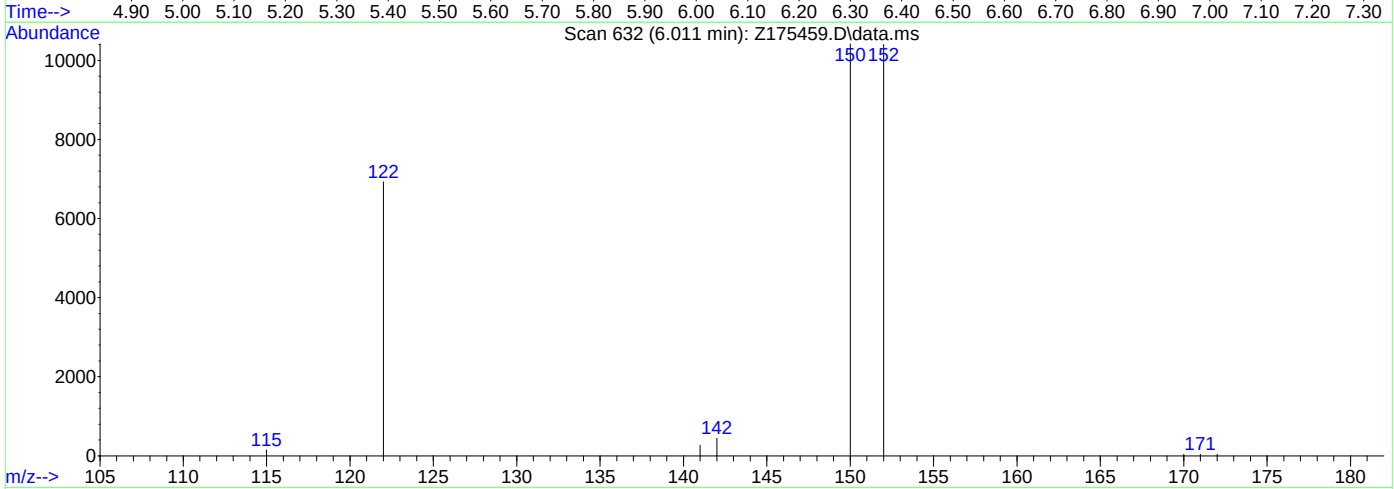
Ion	Exp%	Act%
150.00	100	100
152.00	80.50	80.49
122.00	40.20	40.24
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175459.D
Acq On : 10 Sep 2025 2:44 pm
Operator : rocquans
Sample : icc8654-0.2
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 10 16:23:09 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175459.D\data.ms

(36) 1-Methylnaphthalene-d10a

6.011min (-0.077) 800.00ppb m

response 11585

Ion	Exp%	Act%
150.00	100	100
152.00	80.50	99.87
122.00	40.20	66.49#
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
09/15/25 15:51

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175460.D
Acq On : 10 Sep 2025 3:09 pm
Operator : rocquans
Sample : ic8654-0.5
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 11 11:57:36 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	6.011	150	11557	800.00	ppb	0.00
12) Fluorene-d10	7.302	176	16239	800.00	ppb	0.00
19) Fluoranthene-d10	9.992	212	26679	800.00	ppb	0.00
29) Benzo(a)pyrene-d12	14.197	264	17489	800.00	ppb	0.00
36) 1-Methylnaphthalene-d10a	6.011	150	11741m	800.00	ppb	-0.08
System Monitoring Compounds						
3) 2-Fluorophenol	3.610	112	86272	9825.00	ppb	-0.01
Spiked Amount 10000.000			Recovery = 98.25%			
4) Phenol-d5	4.318	99	92144	9595.39	ppb	0.00
Spiked Amount 10000.000			Recovery = 95.95%			
6) Nitrobenzene-d5	4.941	82	101714	9538.64	ppb	0.00
Spiked Amount 10000.000			Recovery = 95.39%			
13) 2-Fluorobiphenyl	6.244	172	209773	8726.53	ppb	0.00
Spiked Amount 10000.000			Recovery = 87.27%			
18) 2,4,6-Tribromophenol	7.585	330	40516	9445.31	ppb	0.00
Spiked Amount 10000.000			Recovery = 94.45%			
26) Terphenyl-d14	10.615	244	203891	8583.64	ppb	0.00
Spiked Amount 10000.000			Recovery = 85.84%			
Target Compounds						Qvalue
2) 1,4-Dioxane	2.229	88	2249m	480.29	ppb	
5) Phenol	4.329	94	23983	2463.45	ppb	88
7) Naphthalene	5.472	128	16572	501.64	ppb	97
8) Hexachlorobutadiene	5.550	225	4096	467.29	ppb	98
9) 2-Methylnaphthalene	5.970	141	9991	487.41	ppb	94
10) 1-Methylnaphthalene	6.041	141	9910	472.54	ppb	98
14) Acenaphthylene	6.683	152	17091	491.81	ppb	98
15) Acenaphthene	6.837	153	11426	467.47	ppb	96
16) Fluorene	7.323	166	13867	492.38	ppb	87
17) 4,6-dinitro-2-methylph...	7.407	198	7064	3306.50	ppb	89
20) Hexachlorobenzene	7.920	284	4813	500.40	ppb	92
21) Pentachlorophenol	8.173	266	9878	3104.81	ppb	99
22) Phenanthrene	8.406	178	18694	553.82	ppb	98
23) Anthracene	8.474	178	19960	476.33	ppb	99
24) Fluoranthene	10.016	202	20482	509.78	ppb	98
25) Pyrene	10.345	202	21503	508.42	ppb	98
27) Benzo[a]anthracene	12.186	228	14765	550.76	ppb	96
28) Chrysene	12.238	228	19254	418.21	ppb	97
30) Benzo[b]fluoranthene	13.772	252	14268	589.26	ppb	95
31) Benzo[k]fluoranthene	13.818	252	16993	444.72	ppb	94
32) Benzo[a]pyrene	14.220	252	14665	502.03	ppb	97
33) Indeno[1,2,3-cd]pyrene	15.655	276	16777	507.56	ppb	99
34) Dibenz[a,h]anthracene	15.694	278	13811	504.48	ppb	96
35) Benzo[g,h,i]perylene	16.001	276	13615	472.20	ppb	100

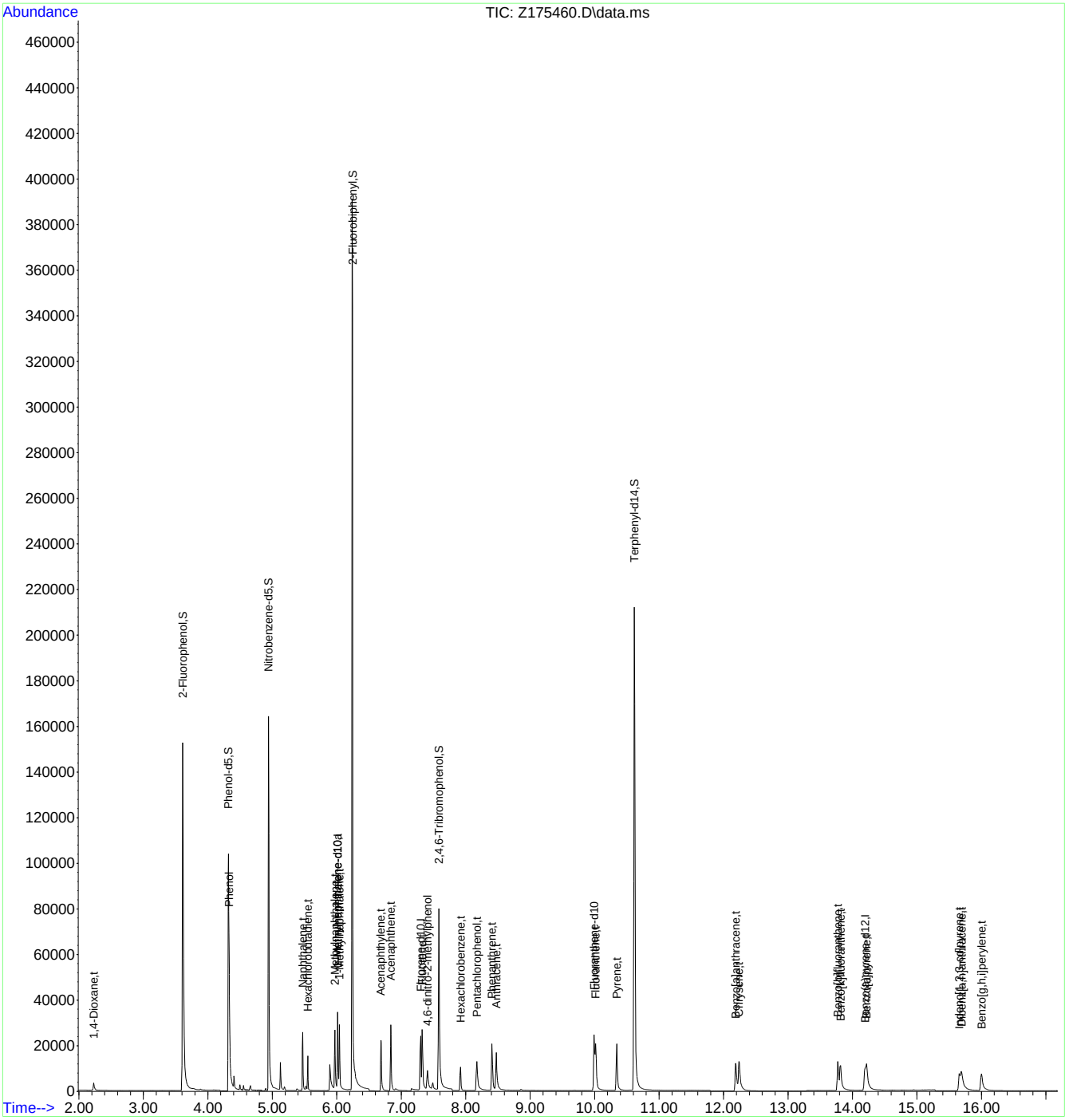
(#) = qualifier out of range (m) = manual integration (+) = signals summed

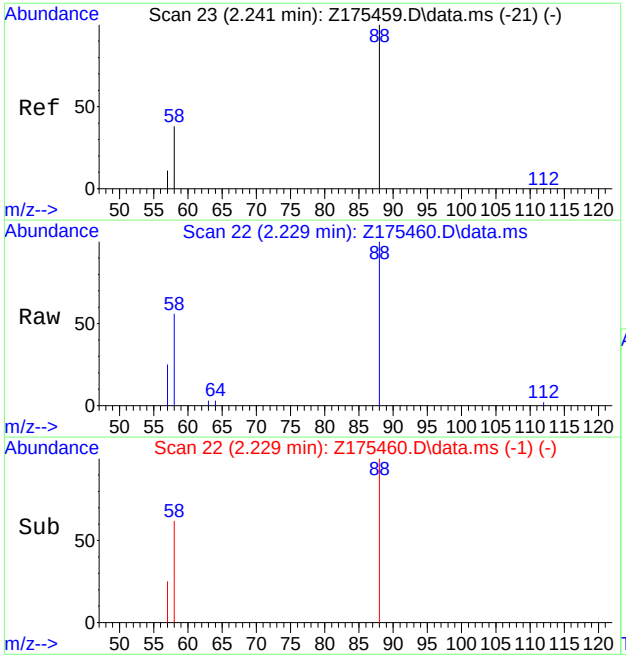
9.6.22
9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175460.D
Acq On : 10 Sep 2025 3:09 pm
Operator : rocquans
Sample : ic8654-0.5
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 11 11:57:36 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration

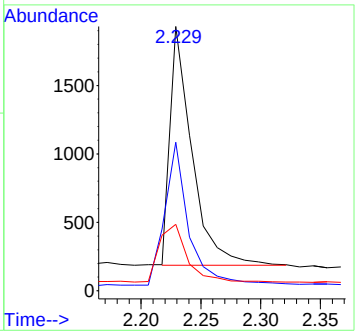


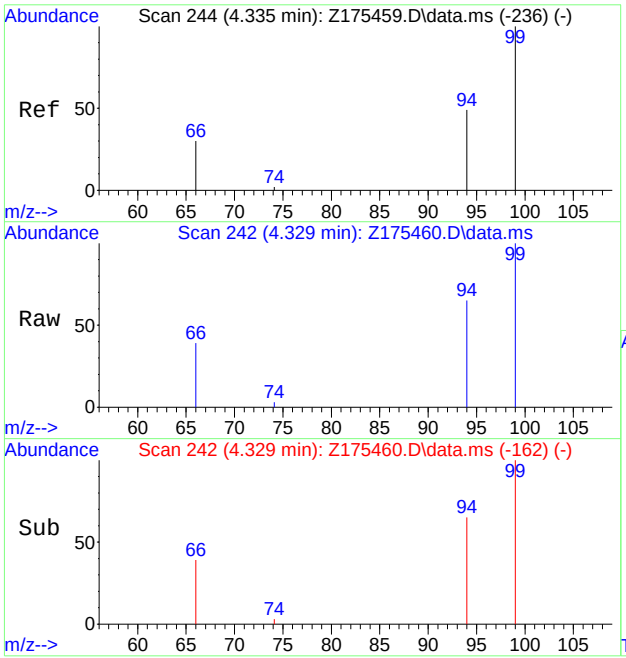


#2
1,4-Dioxane
Concen: 480.29 ppb m
RT: 2.229 min Scan# 22
Delta R.T. -0.011 min
Lab File: Z175460.D
Acq: 10 Sep 2025 3:09 pm

Tgt Ion: 88 Resp: 2249

Ion	Ratio	Lower	Upper
88	100		
58	56.2	15.6	55.6#
57	25.2	0.0	40.0

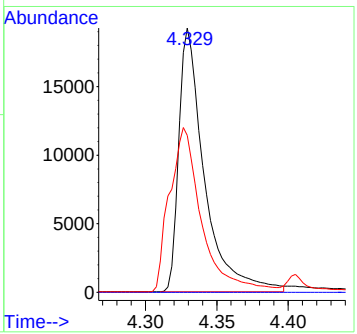


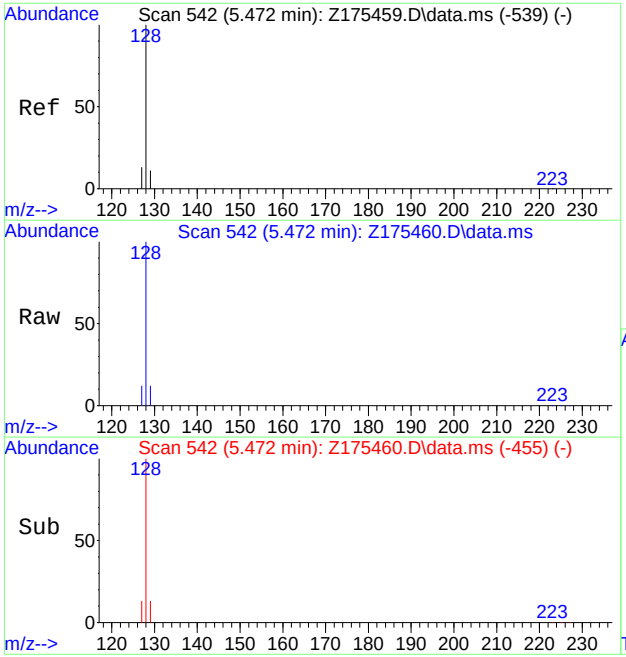


#5
Phenol
Concen: 2463.45 ppb
RT: 4.329 min Scan# 242
Delta R.T. -0.005 min
Lab File: Z175460.D
Acq: 10 Sep 2025 3:09 pm

Tgt Ion: 94 Resp: 23983

Ion	Ratio	Lower	Upper
94	100		
65	0.0	0.0	0.0
66	52.9	49.8	74.8

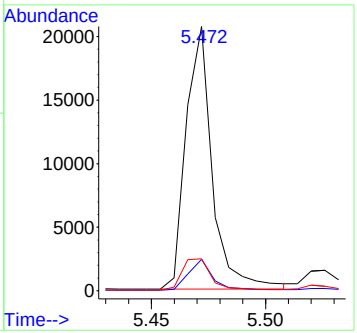


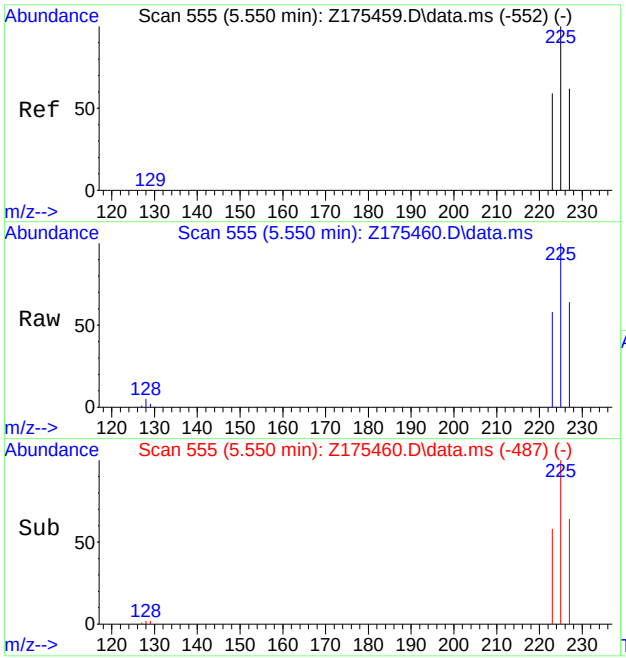


#7
Naphthalene
Concen: 501.64 ppb
RT: 5.472 min Scan# 542
Delta R.T. 0.000 min
Lab File: Z175460.D
Acq: 10 Sep 2025 3:09 pm

Tgt Ion:128 Resp: 16572

Ion	Ratio	Lower	Upper
128	100		
129	11.7	0.0	40.6
127	11.9	0.0	43.3

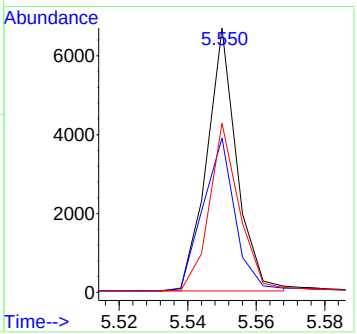




#8
Hexachlorobutadiene
Concen: 467.29 ppb
RT: 5.550 min Scan# 555
Delta R.T. 0.000 min
Lab File: Z175460.D
Acq: 10 Sep 2025 3:09 pm

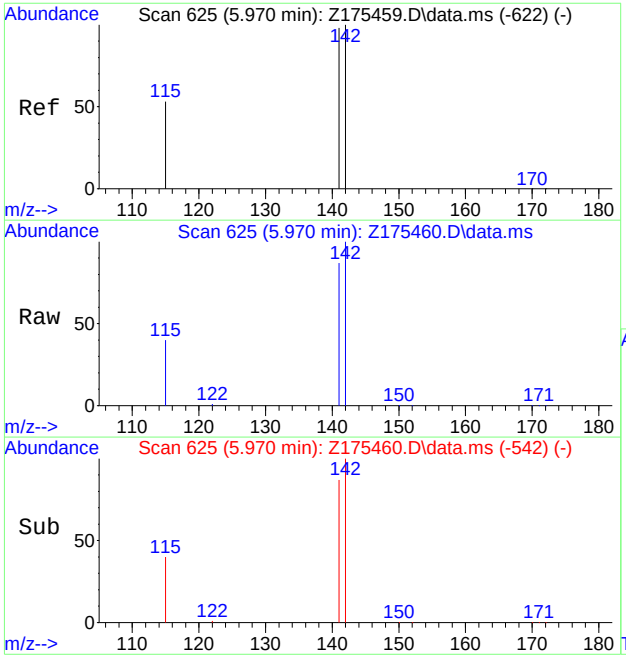
Tgt Ion:225 Resp: 4096

Ion	Ratio	Lower	Upper
225	100		
223	58.2	29.0	89.0
227	63.8	32.1	92.1



9.6.22

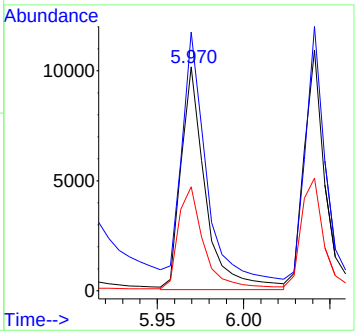
9

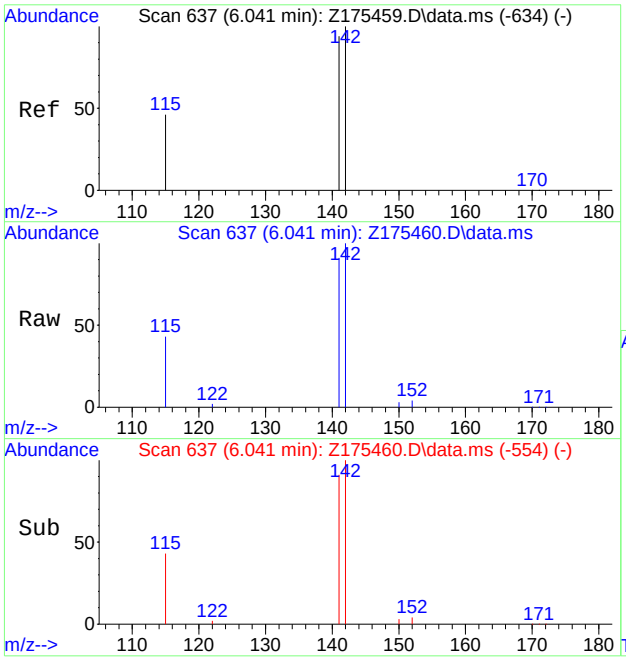


#9
2-Methylnaphthalene
Concen: 487.41 ppb
RT: 5.970 min Scan# 625
Delta R.T. 0.000 min
Lab File: Z175460.D
Acq: 10 Sep 2025 3:09 pm

Tgt Ion:141 Resp: 9991

Ion	Ratio	Lower	Upper
141	100		
142	110.8	77.1	137.1
115	46.3	24.3	84.3

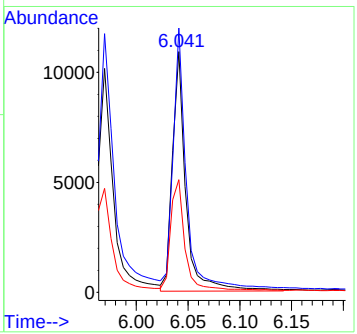


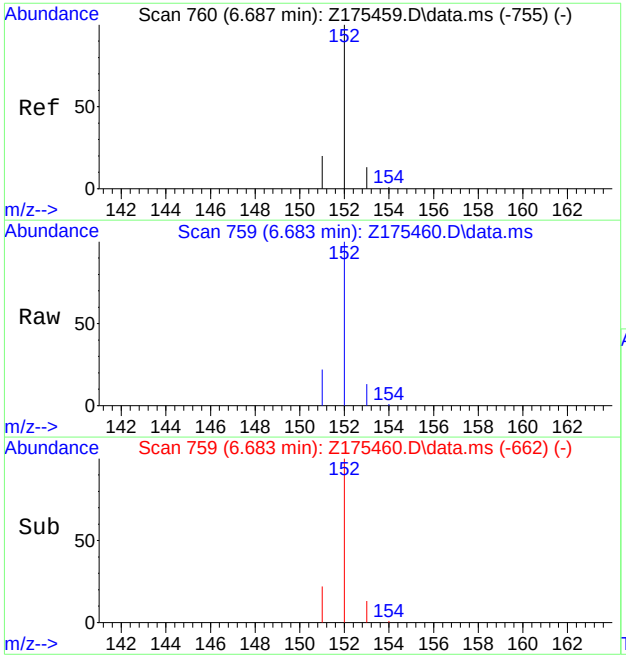


#10
1-Methylnaphthalene
Concen: 472.54 ppb
RT: 6.041 min Scan# 637
Delta R.T. 0.000 min
Lab File: Z175460.D
Acq: 10 Sep 2025 3:09 pm

Tgt Ion:141 Resp: 9910

Ion	Ratio	Lower	Upper
141	100		
142	108.6	77.6	137.6
115	46.5	19.1	79.1

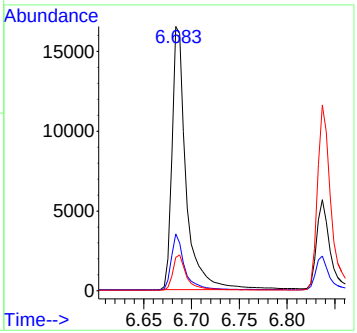


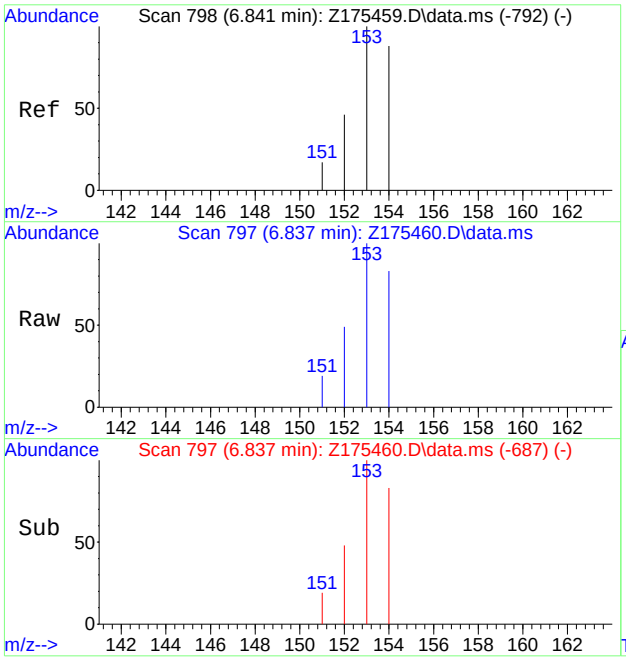


#14
Acenaphthylene
Concen: 491.81 ppb
RT: 6.683 min Scan# 759
Delta R.T. -0.004 min
Lab File: Z175460.D
Acq: 10 Sep 2025 3:09 pm

Tgt Ion:152 Resp: 17091

Ion	Ratio	Lower	Upper
152	100		
151	21.3	0.0	50.1
153	12.4	0.0	42.6

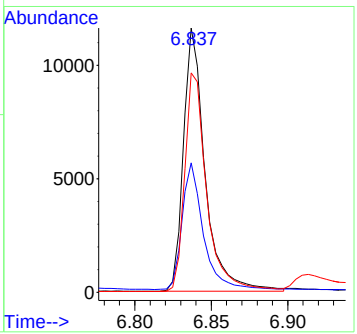


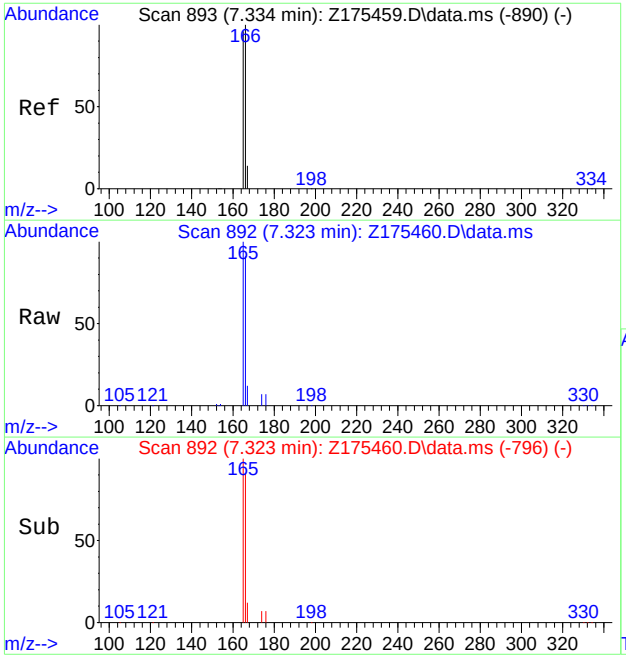


#15
Acenaphthene
Concen: 467.47 ppb
RT: 6.837 min Scan# 797
Delta R.T. -0.004 min
Lab File: Z175460.D
Acq: 10 Sep 2025 3:09 pm

Tgt Ion:153 Resp: 11426

Ion	Ratio	Lower	Upper
153	100		
152	48.2	16.6	76.6
154	82.9	57.9	117.9

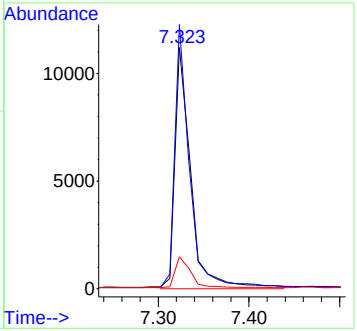


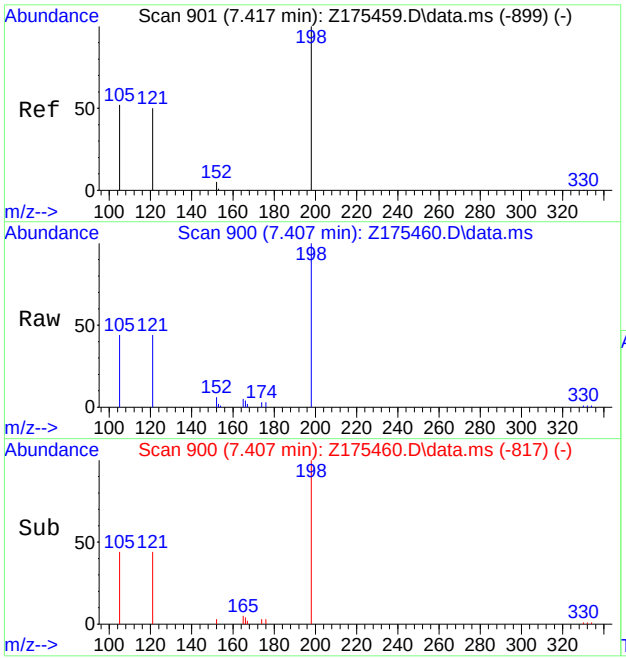


#16
Fluorene
Concen: 492.38 ppb
RT: 7.323 min Scan# 892
Delta R.T. -0.010 min
Lab File: Z175460.D
Acq: 10 Sep 2025 3:09 pm

Tgt Ion:166 Resp: 13867

Ion	Ratio	Lower	Upper
166	100		
165	109.7	65.8	125.8
167	12.9	0.0	43.5

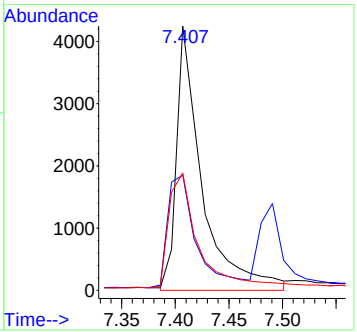




#17
4,6-dinitro-2-methylphenol
Concen: 3306.50 ppb
RT: 7.407 min Scan# 900
Delta R.T. -0.010 min
Lab File: Z175460.D
Acq: 10 Sep 2025 3:09 pm

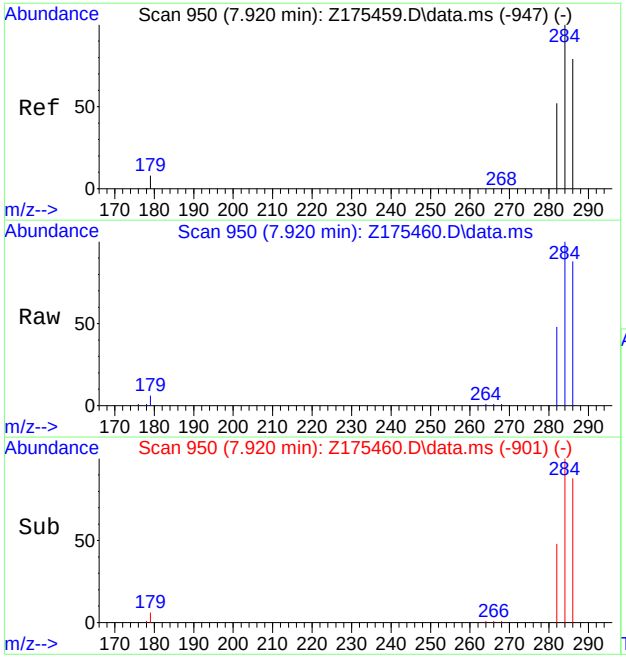
Tgt Ion:198 Resp: 7064

Ion	Ratio	Lower	Upper
198	100		
105	37.8	25.6	65.6
121	43.3	29.8	69.8



9.6.22

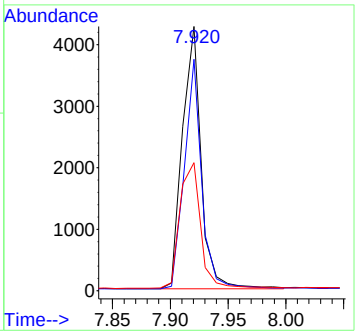
9

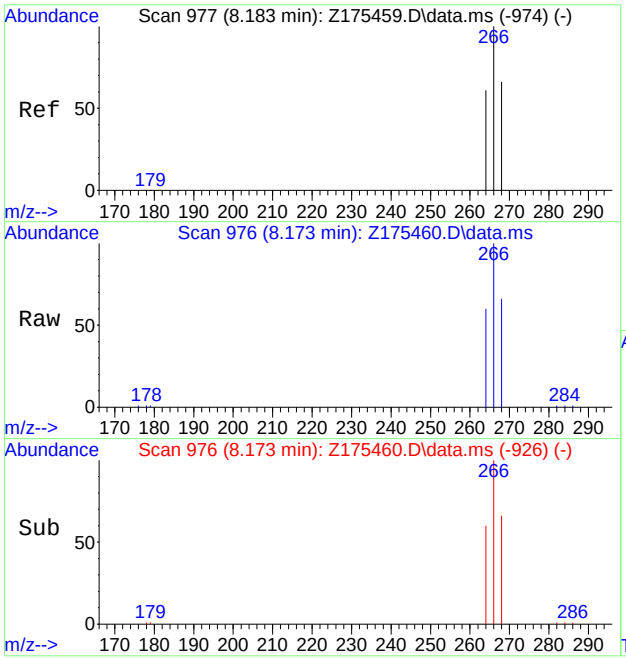


#20
Hexachlorobenzene
Concen: 500.40 ppb
RT: 7.920 min Scan# 950
Delta R.T. 0.000 min
Lab File: Z175460.D
Acq: 10 Sep 2025 3:09 pm

Tgt Ion:284 Resp: 4813

Ion	Ratio	Lower	Upper
284	100		
286	87.5	48.9	108.9
282	47.9	22.1	82.1

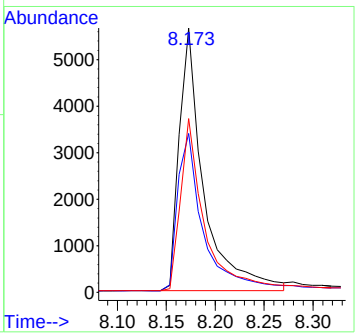


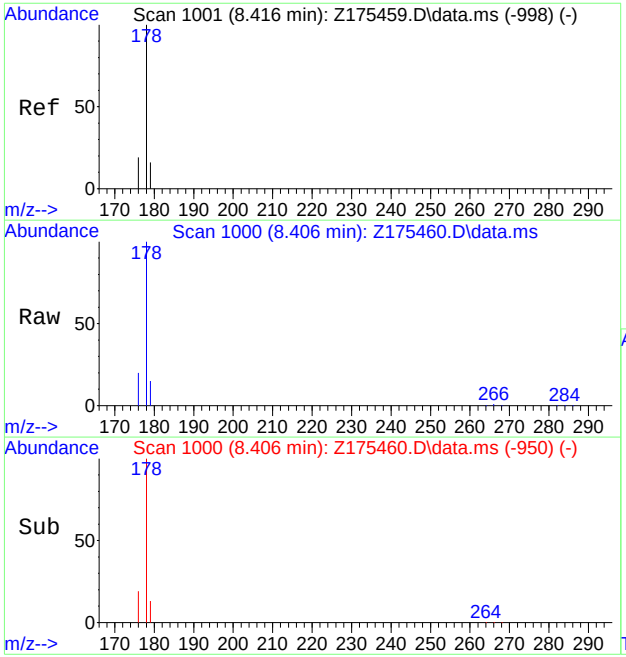


#21
Pentachlorophenol
Concen: 3104.81 ppb
RT: 8.173 min Scan# 976
Delta R.T. -0.010 min
Lab File: Z175460.D
Acq: 10 Sep 2025 3:09 pm

Tgt Ion:266 Resp: 9878

Ion	Ratio	Lower	Upper
266	100		
264	59.8	30.8	90.8
268	65.5	36.3	96.3

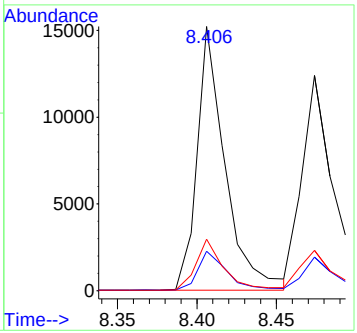


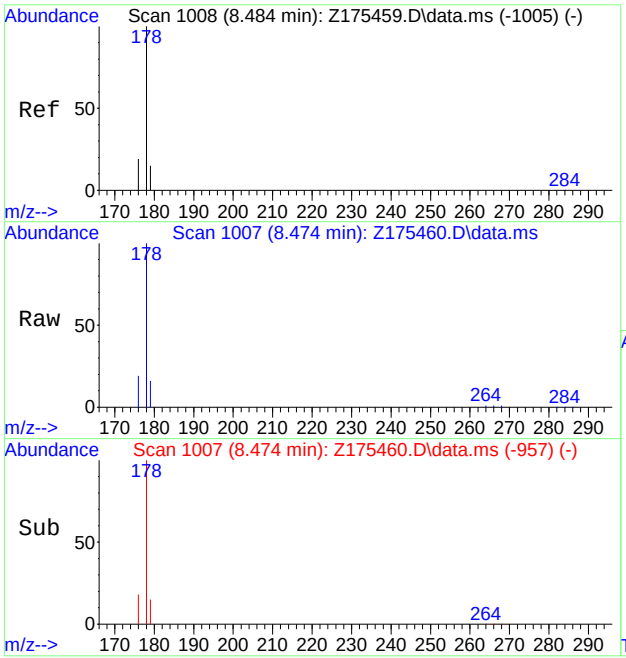


#22
Phenanthrene
Concen: 553.82 ppb
RT: 8.406 min Scan# 1000
Delta R.T. -0.010 min
Lab File: Z175460.D
Acq: 10 Sep 2025 3:09 pm

Tgt Ion:178 Resp: 18694

Ion	Ratio	Lower	Upper
178	100		
179	14.7	0.0	45.6
176	19.3	0.0	48.6

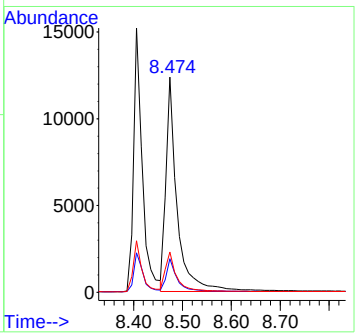




#23
Anthracene
Concen: 476.33 ppb
RT: 8.474 min Scan# 1007
Delta R.T. -0.010 min
Lab File: Z175460.D
Acq: 10 Sep 2025 3:09 pm

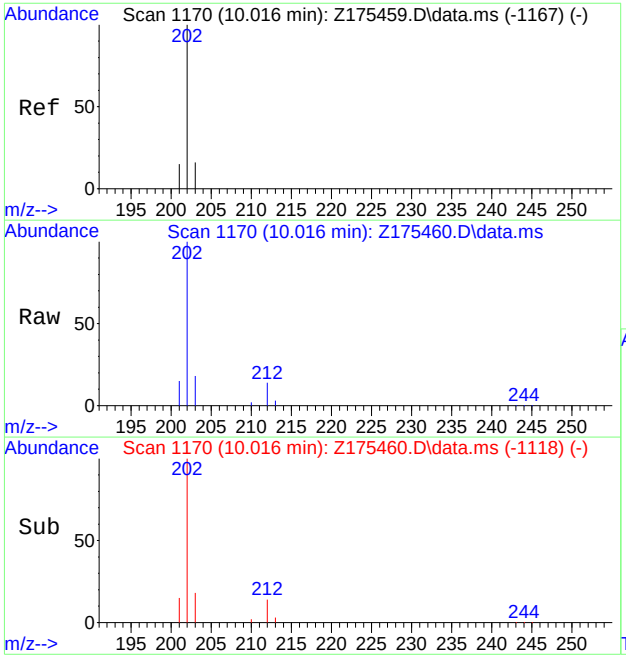
Tgt Ion:178 Resp: 19960

Ion	Ratio	Lower	Upper
178	100		
179	15.4	0.0	44.8
176	18.4	0.0	48.7



9.6.22

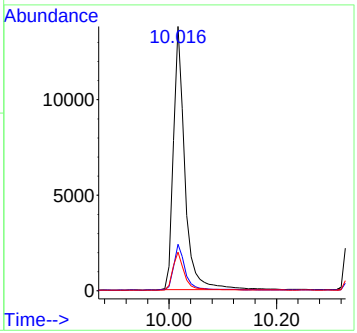
9

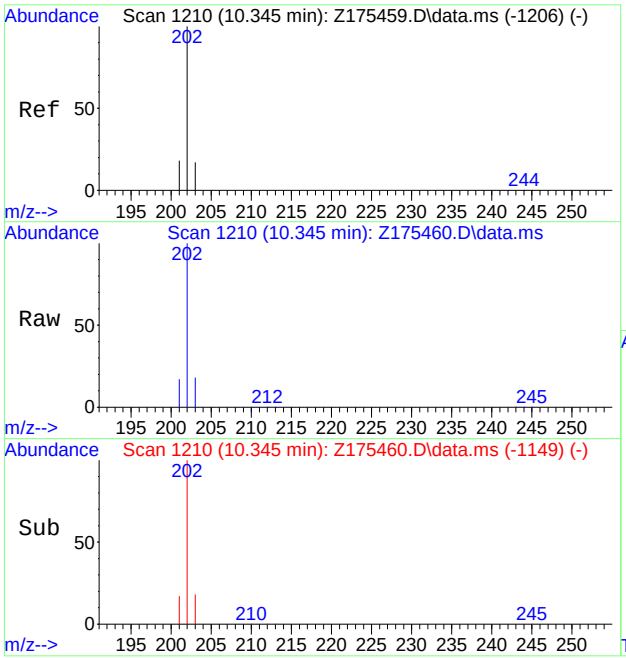


#24
Fluoranthene
Concen: 509.78 ppb
RT: 10.016 min Scan# 1170
Delta R.T. 0.000 min
Lab File: Z175460.D
Acq: 10 Sep 2025 3:09 pm

Tgt Ion:202 Resp: 20482

Ion	Ratio	Lower	Upper
202	100		
203	17.3	0.0	46.4
201	14.4	0.0	45.1

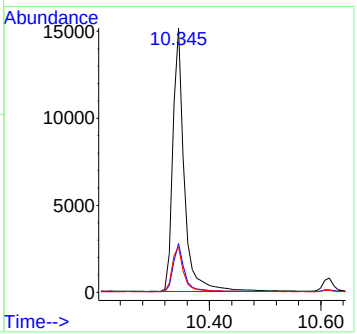


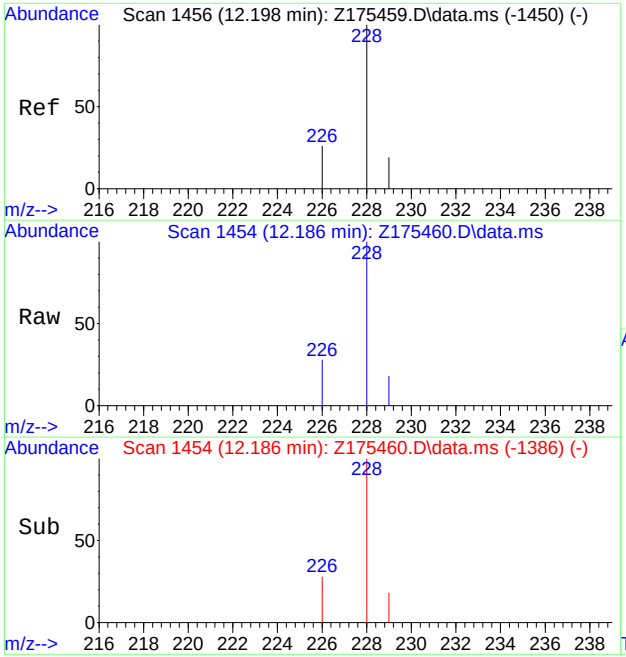


#25
Pyrene
Concen: 508.42 ppb
RT: 10.345 min Scan# 1210
Delta R.T. 0.000 min
Lab File: Z175460.D
Acq: 10 Sep 2025 3:09 pm

Tgt Ion:202 Resp: 21503

Ion	Ratio	Lower	Upper
202	100		
203	18.2	0.0	47.4
201	17.0	0.0	47.8

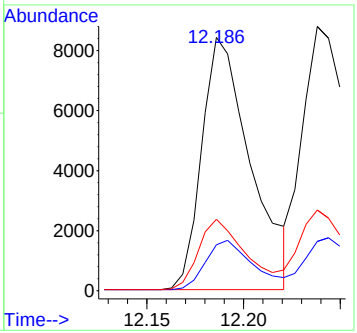


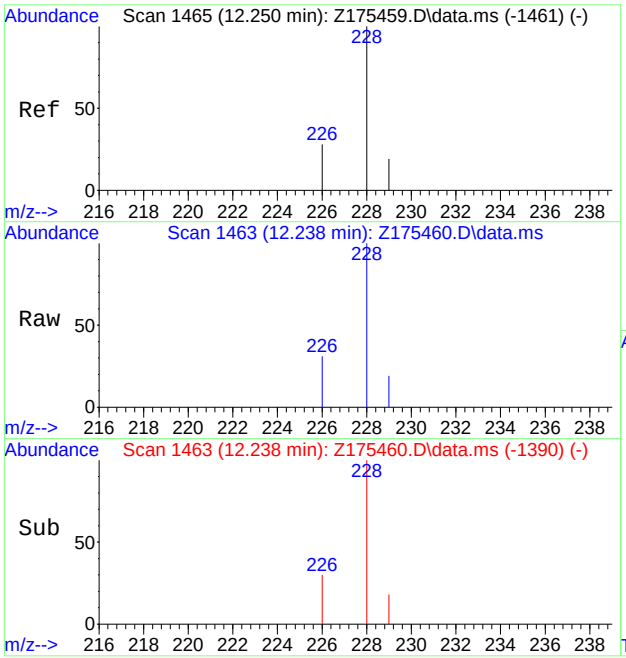


#27
Benzo[a]anthracene
Concen: 550.76 ppb
RT: 12.186 min Scan# 1454
Delta R.T. -0.012 min
Lab File: Z175460.D
Acq: 10 Sep 2025 3:09 pm

Tgt Ion:228 Resp: 14765

Ion	Ratio	Lower	Upper
228	100		
229	17.7	0.0	49.3
226	27.4	0.0	55.6

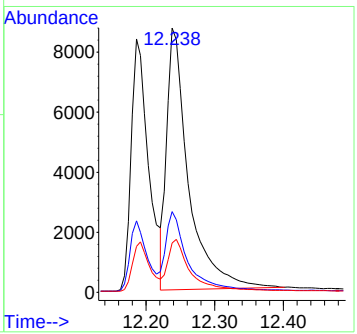


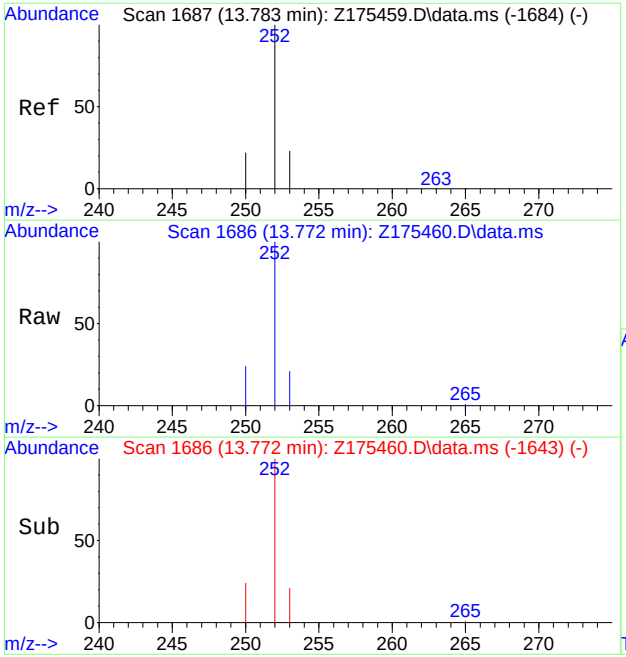


#28
Chrysene
Concen: 418.21 ppb
RT: 12.238 min Scan# 1463
Delta R.T. -0.012 min
Lab File: Z175460.D
Acq: 10 Sep 2025 3:09 pm

Tgt Ion:228 Resp: 19254

Ion	Ratio	Lower	Upper
228	100		
226	30.1	0.0	58.4
229	18.2	0.0	49.1

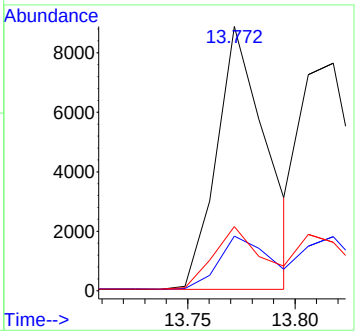


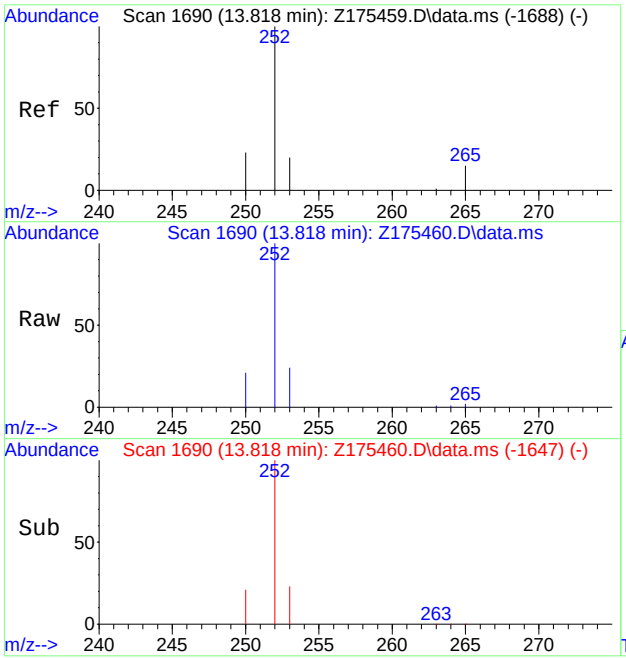


#30
Benzo[b]fluoranthene
Concen: 589.26 ppb
RT: 13.772 min Scan# 1686
Delta R.T. -0.011 min
Lab File: Z175460.D
Acq: 10 Sep 2025 3:09 pm

Tgt Ion:252 Resp: 14268

Ion	Ratio	Lower	Upper
252	100		
253	19.8	0.0	52.6
250	23.5	0.0	51.9

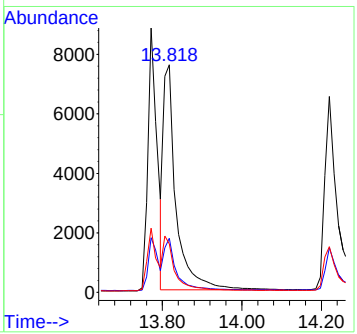


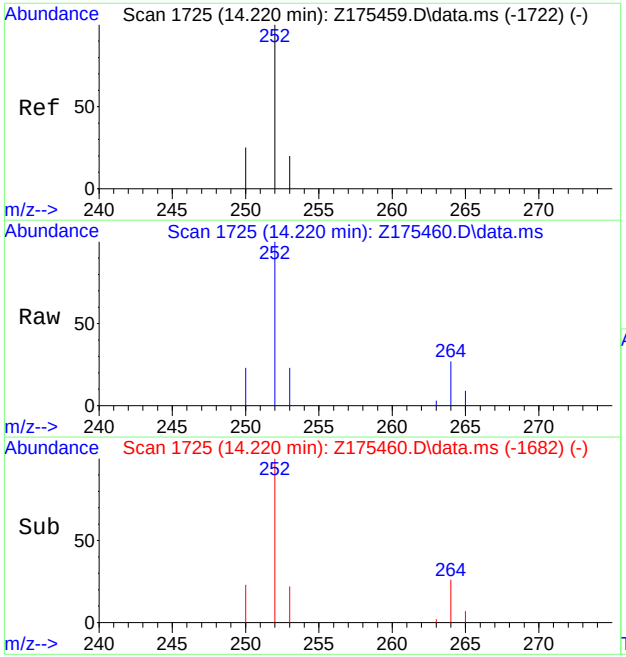


#31
Benzo[k]fluoranthene
Concen: 444.72 ppb
RT: 13.818 min Scan# 1690
Delta R.T. 0.000 min
Lab File: Z175460.D
Acq: 10 Sep 2025 3:09 pm

Tgt Ion:252 Resp: 16993

Ion	Ratio	Lower	Upper
252	100		
253	23.4	0.0	51.0
250	19.6	0.0	53.1

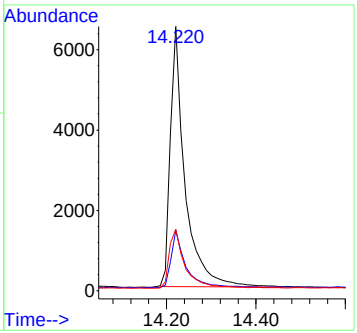


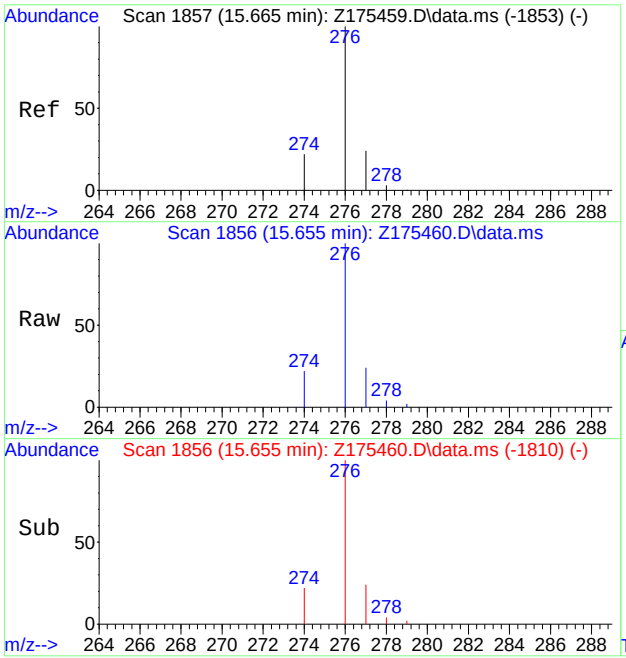


#32
Benzo[a]pyrene
Concen: 502.03 ppb
RT: 14.220 min Scan# 1725
Delta R.T. 0.000 min
Lab File: Z175460.D
Acq: 10 Sep 2025 3:09 pm

Tgt Ion:252 Resp: 14665

Ion	Ratio	Lower	Upper
252	100		
253	21.9	0.0	50.2
250	22.6	0.0	54.3

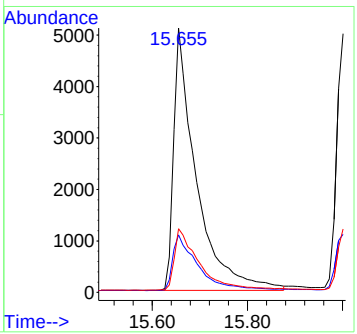


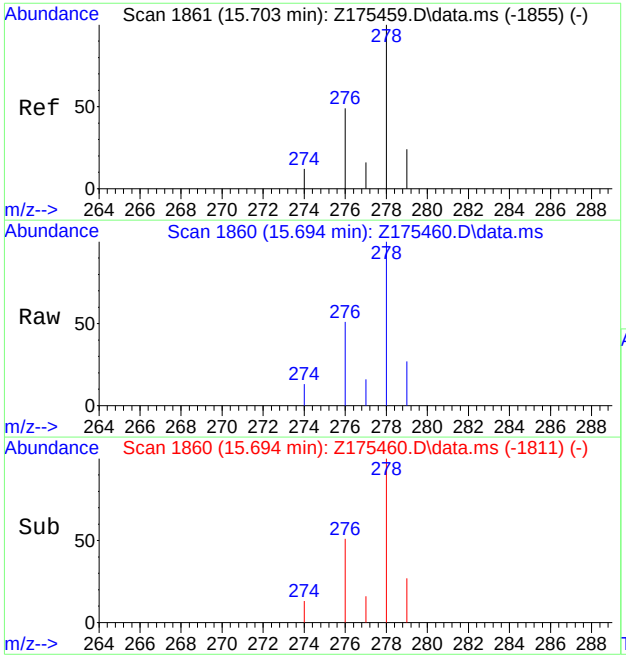


#33
Indeno[1,2,3-cd]pyrene
Concen: 507.56 ppb
RT: 15.655 min Scan# 1856
Delta R.T. -0.010 min
Lab File: Z175460.D
Acq: 10 Sep 2025 3:09 pm

Tgt Ion:276 Resp: 16777

Ion	Ratio	Lower	Upper
276	100		
274	21.1	0.0	51.7
277	23.3	0.0	53.6

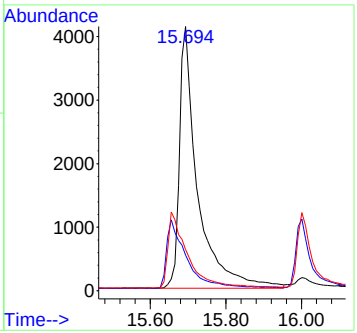


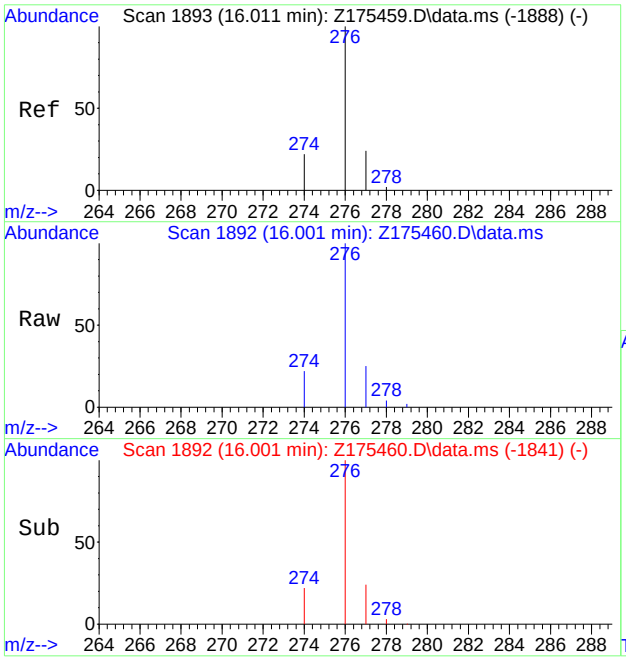


#34
Dibenz[a,h]anthracene
Concen: 504.48 ppb
RT: 15.694 min Scan# 1860
Delta R.T. -0.010 min
Lab File: Z175460.D
Acq: 10 Sep 2025 3:09 pm

Tgt Ion:278 Resp: 13811

Ion	Ratio	Lower	Upper
278	100		
274	12.5	0.0	44.0
277	14.5	0.0	46.5

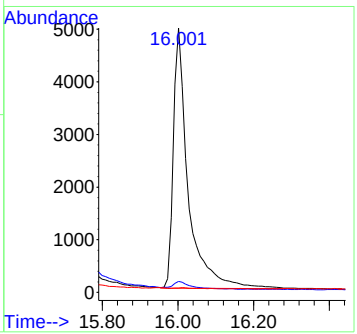




#35
Benzo[g,h,i]perylene
Concen: 472.20 ppb
RT: 16.001 min Scan# 1892
Delta R.T. -0.010 min
Lab File: Z175460.D
Acq: 10 Sep 2025 3:09 pm

Tgt Ion:276 Resp: 13615

Ion	Ratio	Lower	Upper
276	100		
278	2.8	0.0	32.8
279	0.0	0.0	30.0



Manual Integration Approval Summary

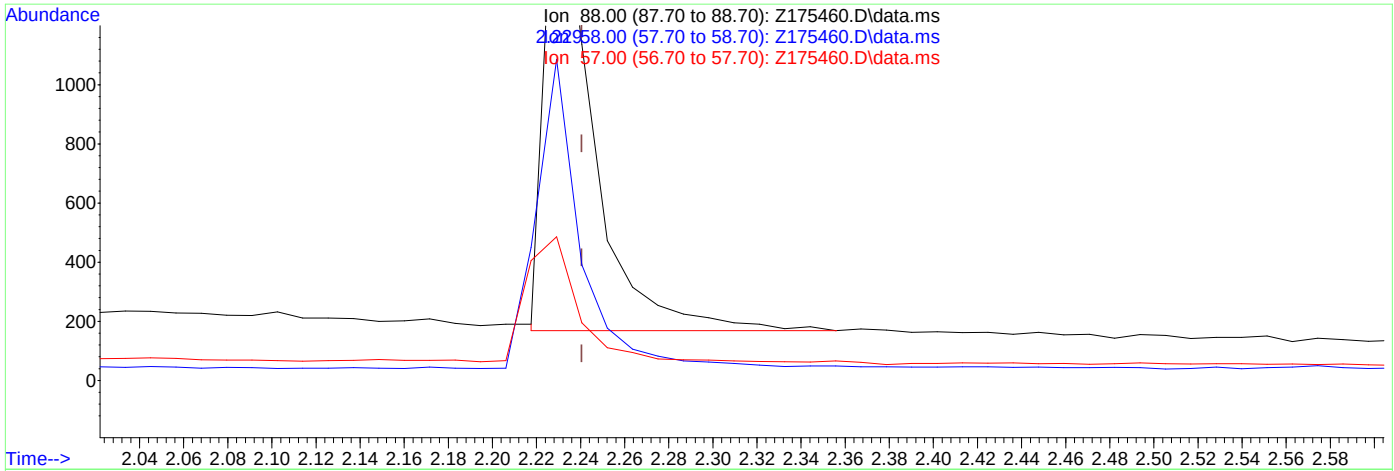
Sample Number:	EZ8654-IC8654	**Method:**	SW846 8270E BY SIM
Lab FileID:	Z175460.D	**Analyst approved:**	09/11/25 12:07 Ying Li
Injection Time:	09/10/25 15:09	**Supervisor approved:**	09/15/25 15:51 Nina Pandya

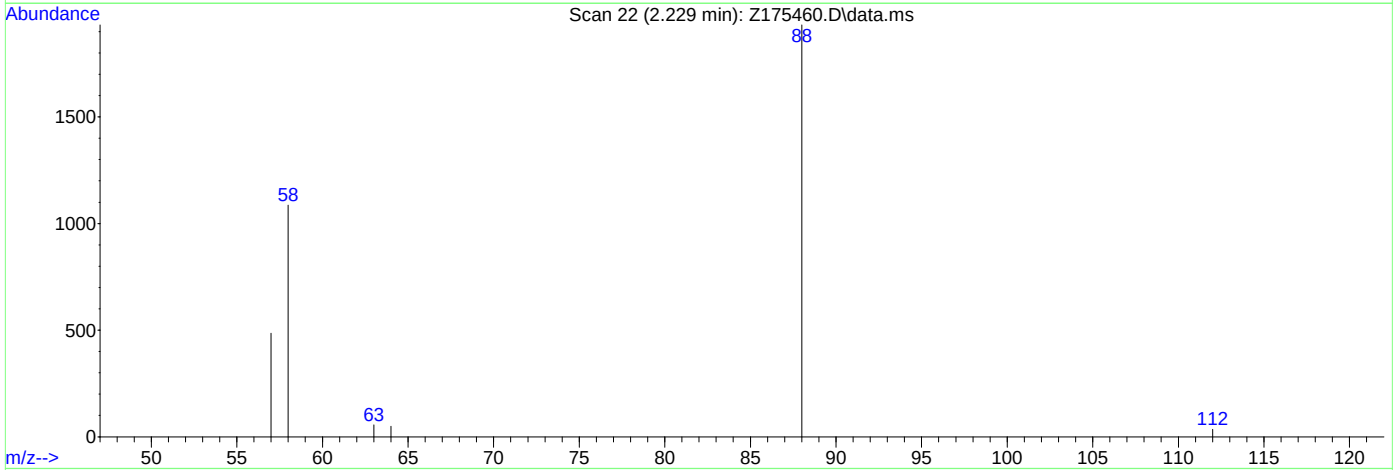
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,4-Dioxane	123-91-1		2.23	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175460.D
Acq On : 10 Sep 2025 3:09 pm
Operator : rocquans
Sample : ic8654-0.5
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 10 16:24:54 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175460.D\data.ms

(2) 1,4-Dioxane (t)

2.229min (-0.011) 505.71ppb

response 2368

Ion	Exp%	Act%
88.00	100	100
58.00	35.60	47.73
57.00	20.00	14.29
0.00	0.00	0.00

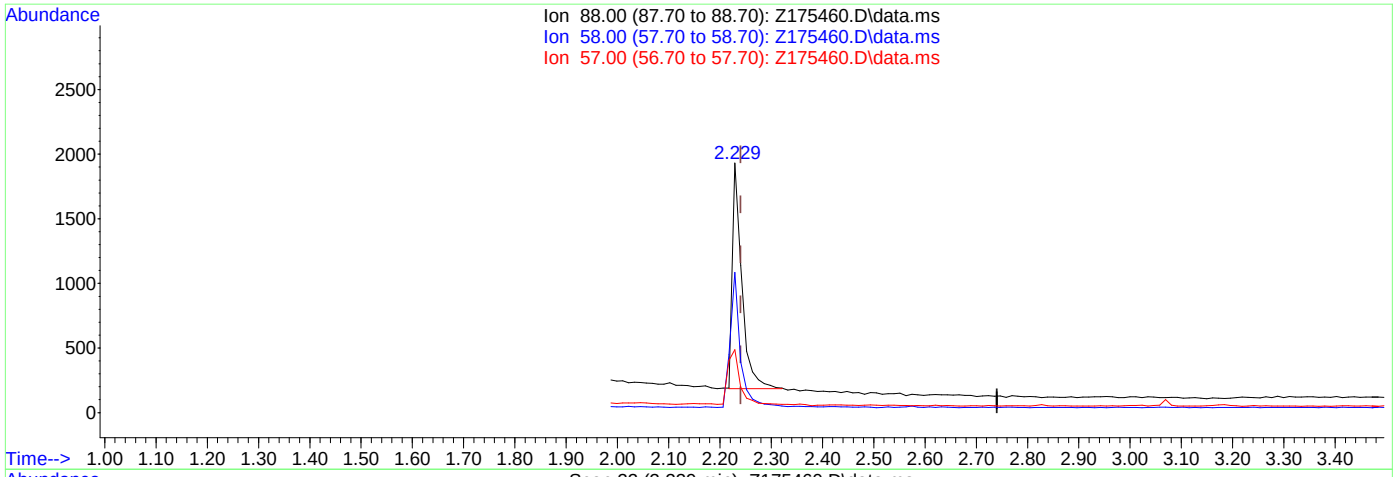
9.6.22.2

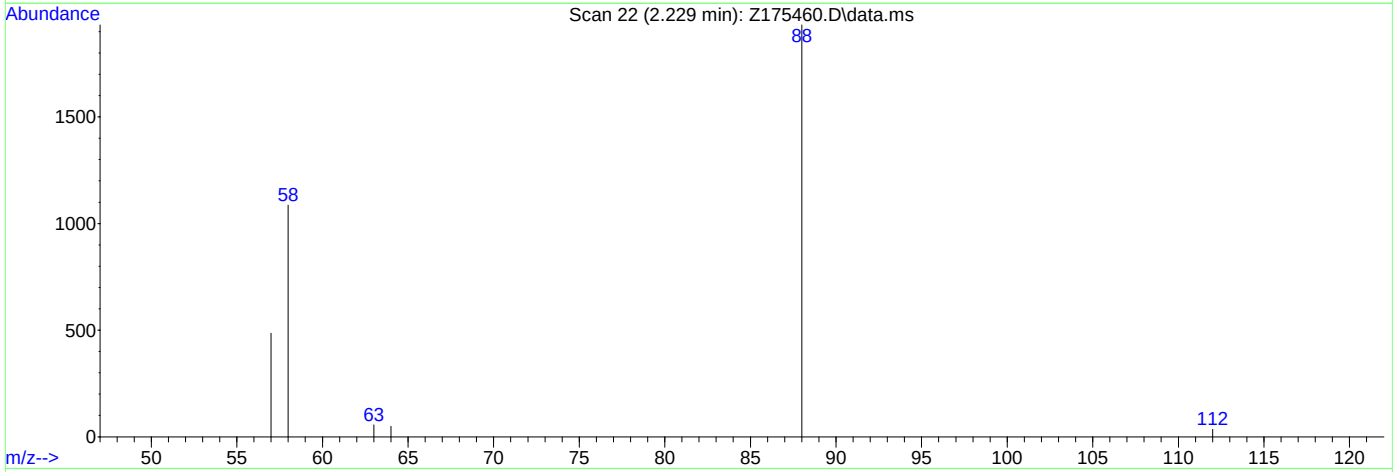
9

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175460.D
Acq On : 10 Sep 2025 3:09 pm
Operator : rocquans
Sample : ic8654-0.5
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 10 16:26:34 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175460.D\data.ms

(2) 1,4-Dioxane (t)

2.229min (-0.011) 480.29ppb m

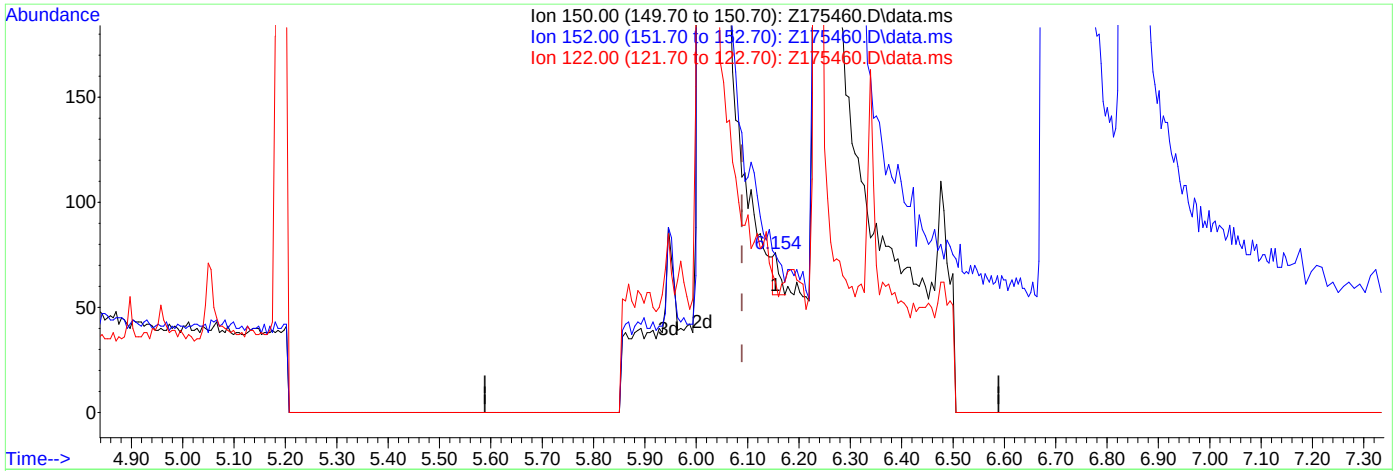
response 2249

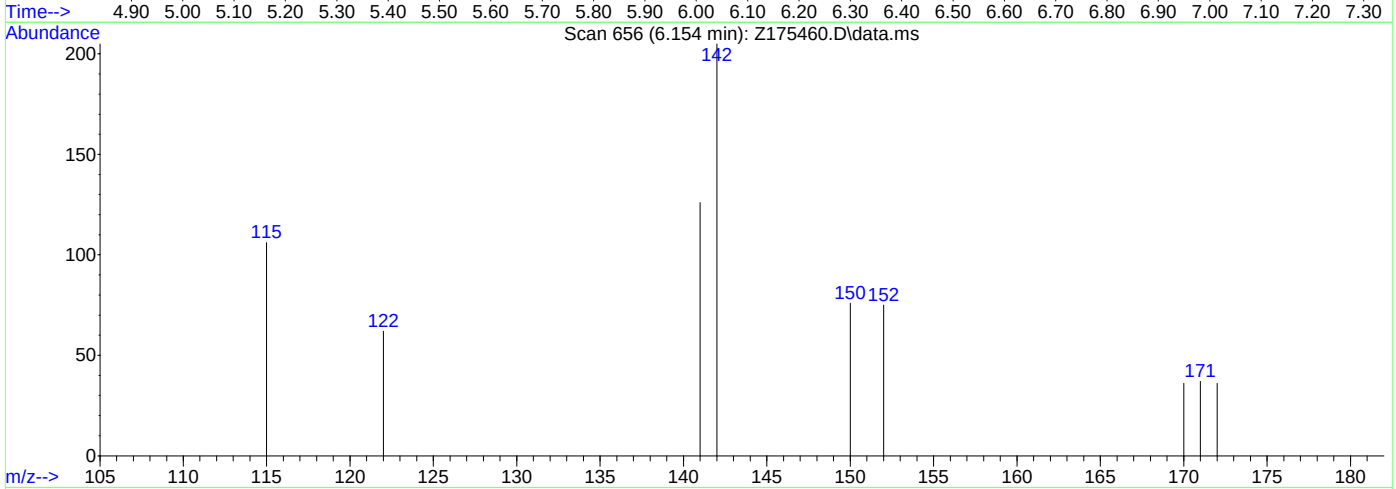
Ion	Exp%	Act%
88.00	100	100
58.00	35.60	56.21#
57.00	20.00	25.16
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175460.D
Acq On : 10 Sep 2025 3:09 pm
Operator : rocquans
Sample : ic8654-0.5
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 10 16:27:21 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175460.D\data.ms

(36) 1-Methylnaphthalene-d10a

6.154min (+0.066) 800.00ppb

response 13

Ion	Exp%	Act%
150.00	100	100
152.00	80.50	50.00#
122.00	40.20	0.00#
0.00	0.00	0.00

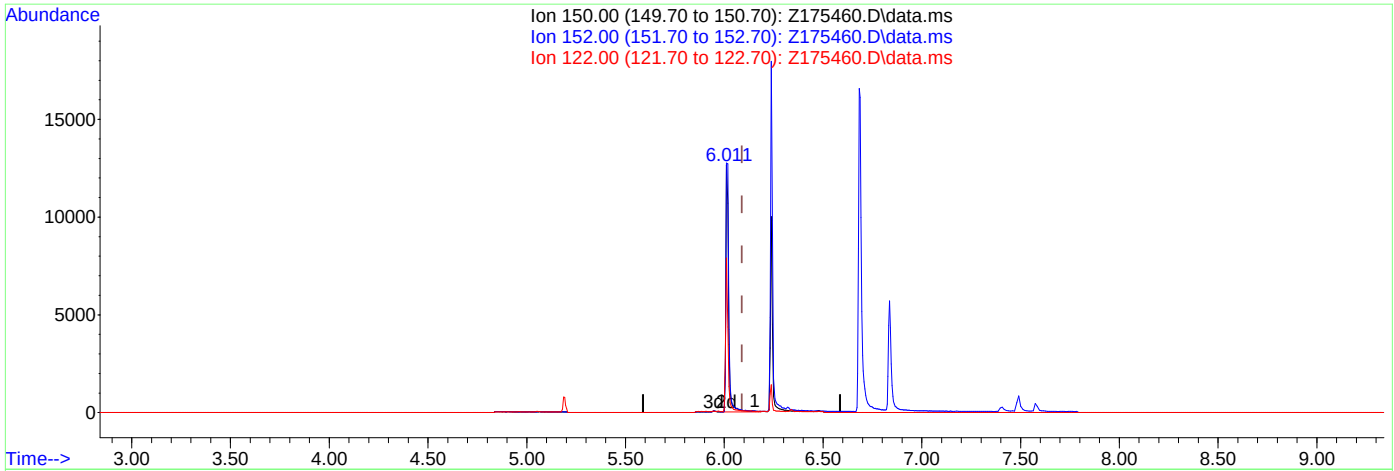
9.6.22.4

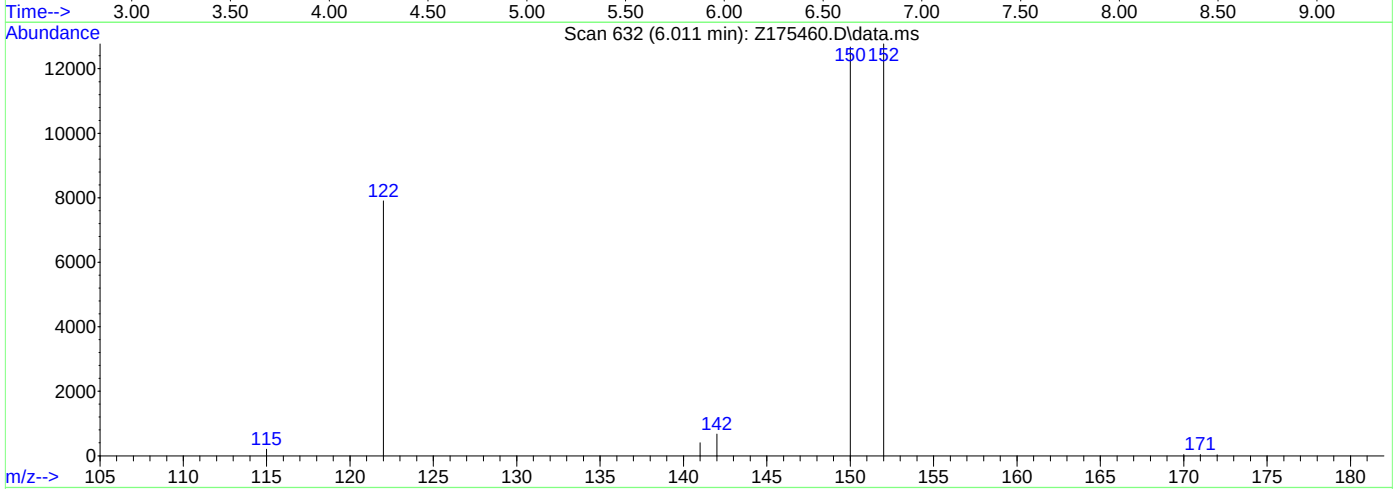
9

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175460.D
Acq On : 10 Sep 2025 3:09 pm
Operator : rocquans
Sample : ic8654-0.5
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 10 16:27:21 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175460.D\data.ms

(36) 1-Methylnaphthalene-d10a

6.011min (-0.077) 800.00ppb m

response 11741

Ion	Exp%	Act%
150.00	100	100
152.00	80.50	100.80
122.00	40.20	62.36#
0.00	0.00	0.00

9.6.22.5

9

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
09/15/25 15:51

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175461.D
Acq On : 10 Sep 2025 3:36 pm
Operator : rocquans
Sample : ic8654-1
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 11 11:57:56 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1-Methylnaphthalene-d10	6.011	150	11366	800.00	ppb		0.00
12) Fluorene-d10	7.292	176	15093	800.00	ppb		-0.01
19) Fluoranthene-d10	9.992	212	25028	800.00	ppb		0.00
29) Benzo(a)pyrene-d12	14.186	264	16881	800.00	ppb		-0.01
36) 1-Methylnaphthalene-d10a	6.011	150	11540m	800.00	ppb		-0.08
System Monitoring Compounds							
3) 2-Fluorophenol	3.610	112	143529	16620.33	ppb		-0.01
Spiked Amount 10000.000			Recovery = 166.20%				
4) Phenol-d5	4.310	99	179931	19051.92	ppb		-0.01
Spiked Amount 10000.000			Recovery = 190.52%				
6) Nitrobenzene-d5	4.941	82	192862	18390.34	ppb		0.00
Spiked Amount 10000.000			Recovery = 183.90%				
13) 2-Fluorobiphenyl	6.238	172	354819	15881.18	ppb		0.00
Spiked Amount 10000.000			Recovery = 158.81%				
18) 2,4,6-Tribromophenol	7.585	330	73195	18359.24	ppb		0.00
Spiked Amount 10000.000			Recovery = 183.59%				
26) Terphenyl-d14	10.624	244	358179	16073.74	ppb		0.00
Spiked Amount 10000.000			Recovery = 160.74%				
Target Compounds							Qvalue
2) 1,4-Dioxane	2.229	88	4684m	1017.12	ppb		
5) Phenol	4.321	94	49071	5125.10	ppb		92
7) Naphthalene	5.466	128	33491	1030.82	ppb		98
8) Hexachlorobutadiene	5.550	225	7930	919.90	ppb		91
9) 2-Methylnaphthalene	5.964	141	19197	952.26	ppb		95
10) 1-Methylnaphthalene	6.041	141	17625	854.55	ppb		92
14) Acenaphthylene	6.684	152	33004	1021.82	ppb		98
15) Acenaphthene	6.837	153	21726	956.36	ppb		97
16) Fluorene	7.323	166	25555	976.29	ppb		94
17) 4,6-dinitro-2-methylph...	7.407	198	16662	8391.29	ppb	#	63
20) Hexachlorobenzene	7.921	284	9047	1002.65	ppb		86
21) Pentachlorophenol	8.163	266	22862	7659.91	ppb		93
22) Phenanthrene	8.406	178	34144	1078.26	ppb		99
23) Anthracene	8.474	178	35662	907.19	ppb		96
24) Fluoranthene	10.016	202	37042	982.77	ppb		97
25) Pyrene	10.345	202	38775	977.28	ppb		96
27) Benzo[a]anthracene	12.186	228	28984	1152.48	ppb		99
28) Chrysene	12.238	228	36098	835.79	ppb		98
30) Benzo[b]fluoranthene	13.772	252	30405	1300.94	ppb		97
31) Benzo[k]fluoranthene	13.806	252	29651	803.93	ppb		99
32) Benzo[a]pyrene	14.221	252	28968	1027.39	ppb		95
33) Indeno[1,2,3-cd]pyrene	15.646	276	37957	1189.68	ppb		99
34) Dibenz[a,h]anthracene	15.684	278	30082	1138.39	ppb		91
35) Benzo[g,h,i]perylene	15.992	276	32562	1170.00	ppb		100

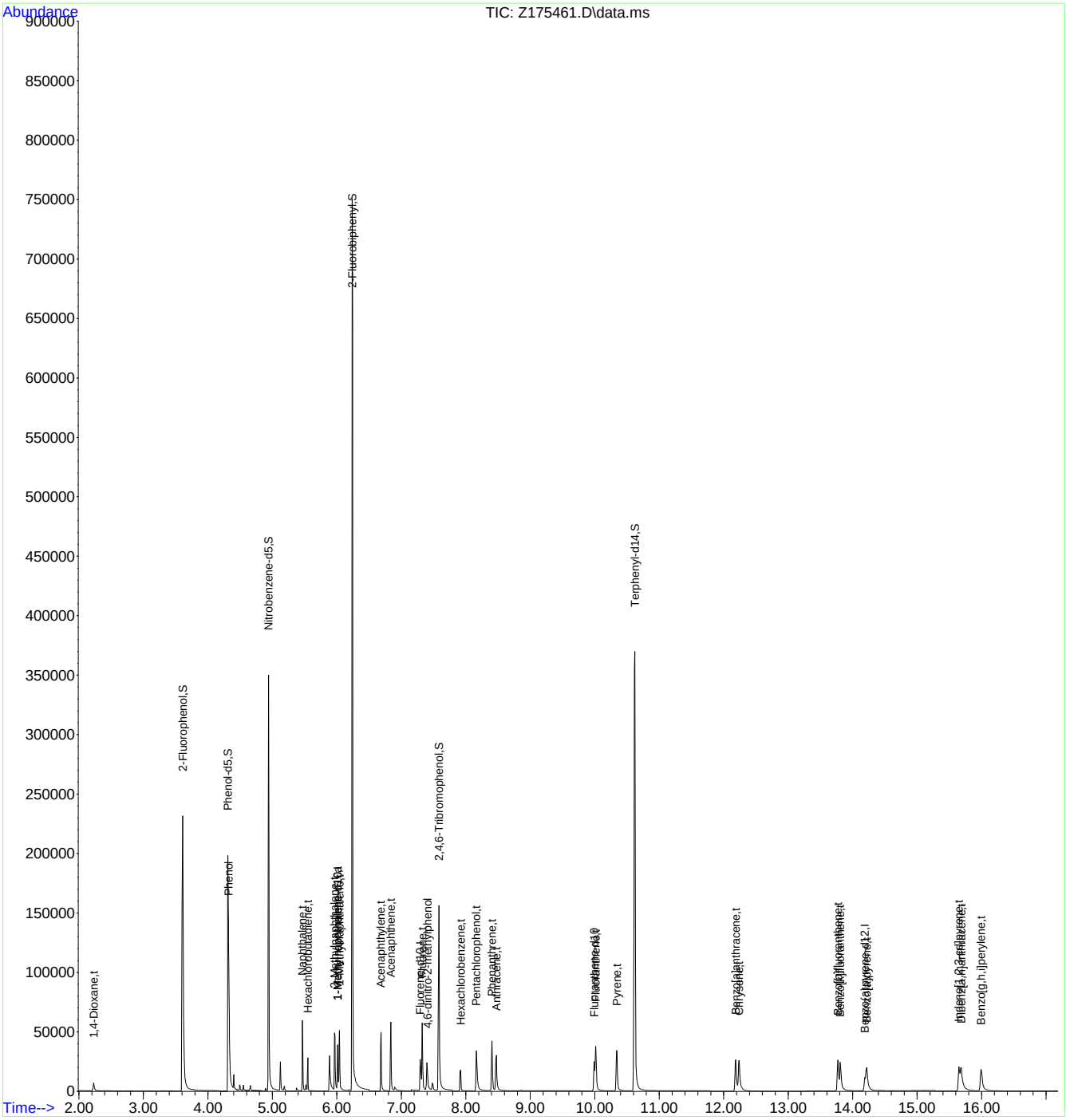
(#) = qualifier out of range (m) = manual integration (+) = signals summed

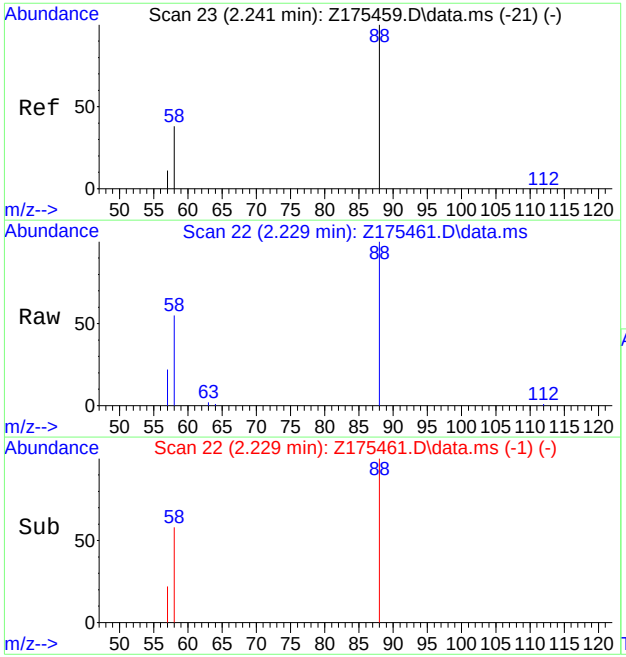
9.6.23
9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175461.D
Acq On : 10 Sep 2025 3:36 pm
Operator : rocquans
Sample : ic8654-1
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 11 11:57:56 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration

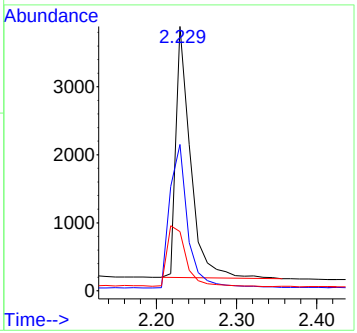


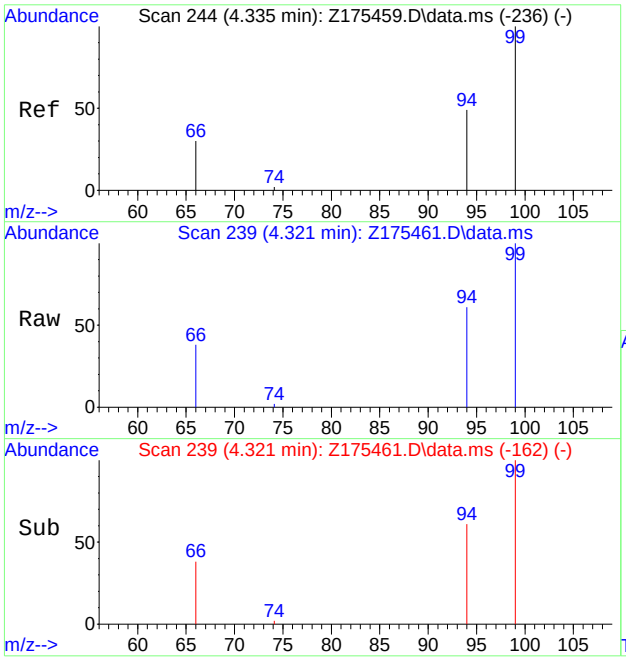


#2
1,4-Dioxane
Concen: 1017.12 ppb m
RT: 2.229 min Scan# 22
Delta R.T. -0.011 min
Lab File: Z175461.D
Acq: 10 Sep 2025 3:36 pm

Tgt Ion: 88 Resp: 4684

Ion	Ratio	Lower	Upper
88	100		
58	55.3	15.6	55.6
57	22.3	0.0	40.0

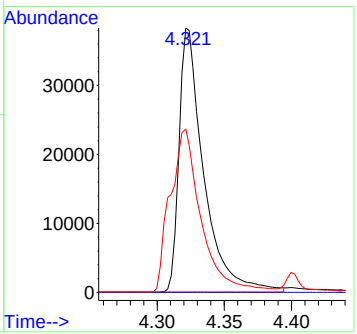


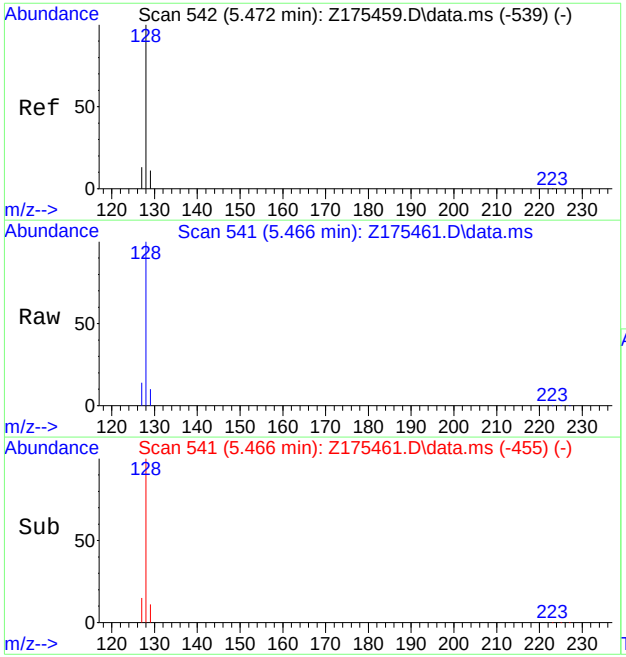


#5
Phenol
Concen: 5125.10 ppb
RT: 4.321 min Scan# 239
Delta R.T. -0.013 min
Lab File: Z175461.D
Acq: 10 Sep 2025 3:36 pm

Tgt Ion: 94 Resp: 49071

Ion	Ratio	Lower	Upper
94	100		
65	0.0	0.0	0.0
66	55.9	49.8	74.8

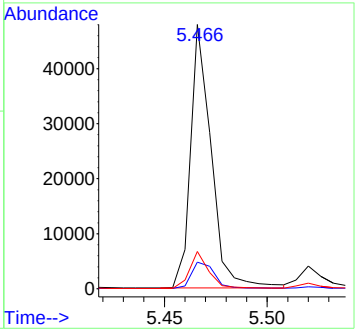


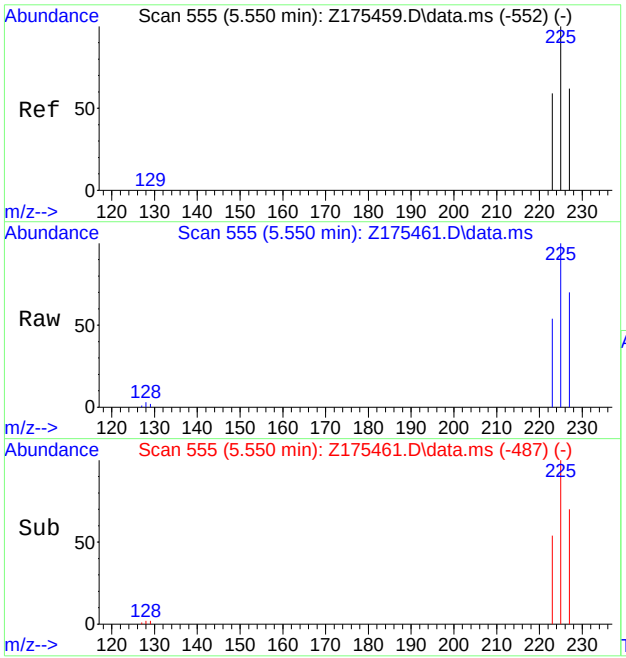


#7
Naphthalene
Concen: 1030.82 ppb
RT: 5.466 min Scan# 541
Delta R.T. -0.006 min
Lab File: Z175461.D
Acq: 10 Sep 2025 3:36 pm

Tgt Ion:128 Resp: 33491

Ion	Ratio	Lower	Upper
128	100		
129	10.0	0.0	40.6
127	14.1	0.0	43.3

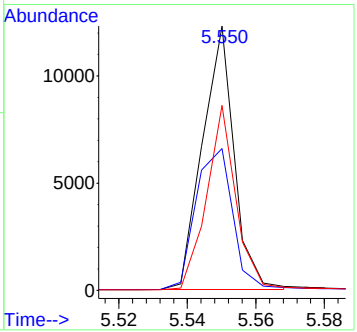


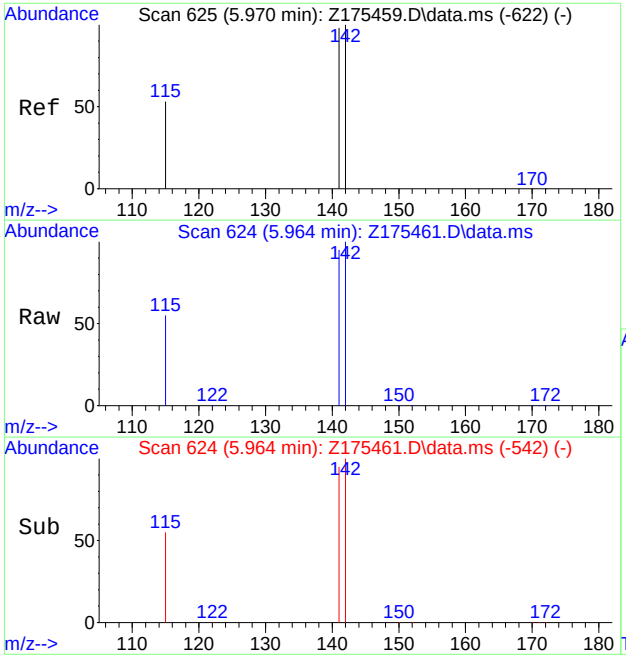


#8
Hexachlorobutadiene
Concen: 919.90 ppb
RT: 5.550 min Scan# 555
Delta R.T. 0.000 min
Lab File: Z175461.D
Acq: 10 Sep 2025 3:36 pm

Tgt Ion:225 Resp: 7930

Ion	Ratio	Lower	Upper
225	100		
223	53.4	29.0	89.0
227	69.8	32.1	92.1

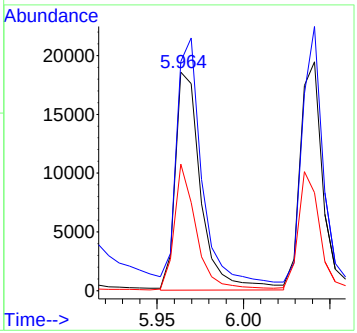


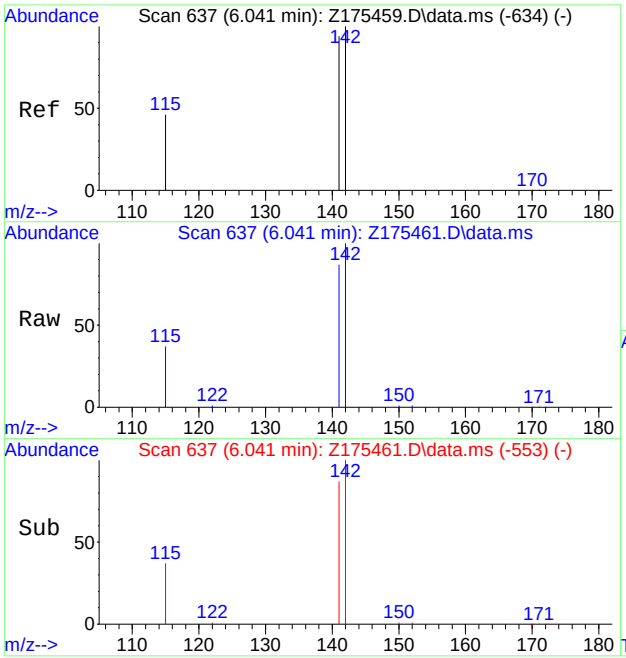


#9
2-Methylnaphthalene
Concen: 952.26 ppb
RT: 5.964 min Scan# 624
Delta R.T. -0.006 min
Lab File: Z175461.D
Acq: 10 Sep 2025 3:36 pm

Tgt Ion:141 Resp: 19197

Ion	Ratio	Lower	Upper
141	100		
142	101.6	77.1	137.1
115	58.0	24.3	84.3

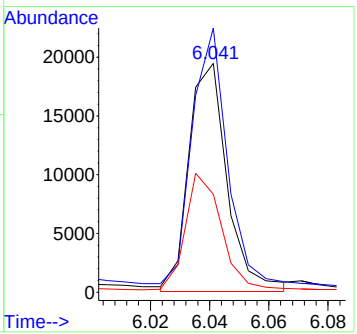


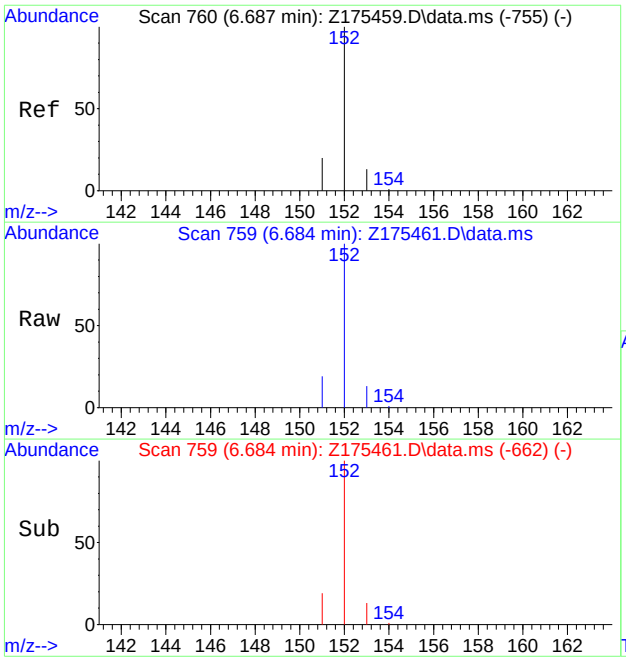


#10
1-Methylnaphthalene
Concen: 854.55 ppb
RT: 6.041 min Scan# 637
Delta R.T. 0.000 min
Lab File: Z175461.D
Acq: 10 Sep 2025 3:36 pm

Tgt Ion:141 Resp: 17625

Ion	Ratio	Lower	Upper
141	100		
142	115.2	77.6	137.6
115	42.8	19.1	79.1

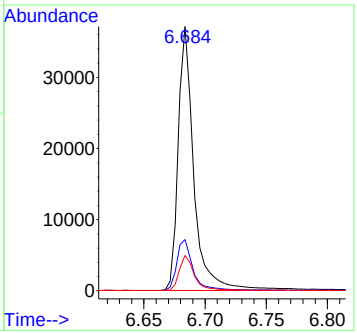


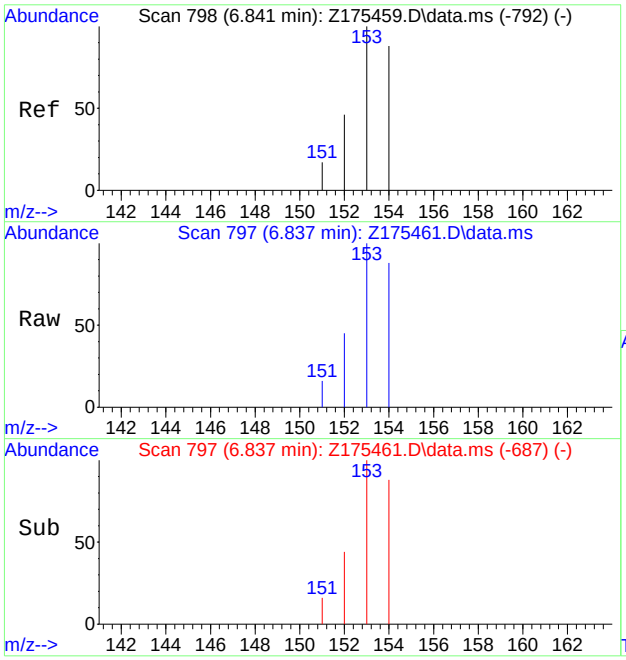


#14
Acenaphthylene
Concen: 1021.82 ppb
RT: 6.684 min Scan# 759
Delta R.T. -0.004 min
Lab File: Z175461.D
Acq: 10 Sep 2025 3:36 pm

Tgt Ion:152 Resp: 33004

Ion	Ratio	Lower	Upper
152	100		
151	19.3	0.0	50.1
153	13.3	0.0	42.6

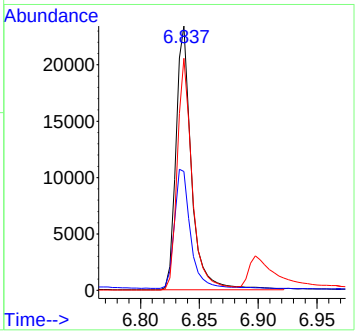


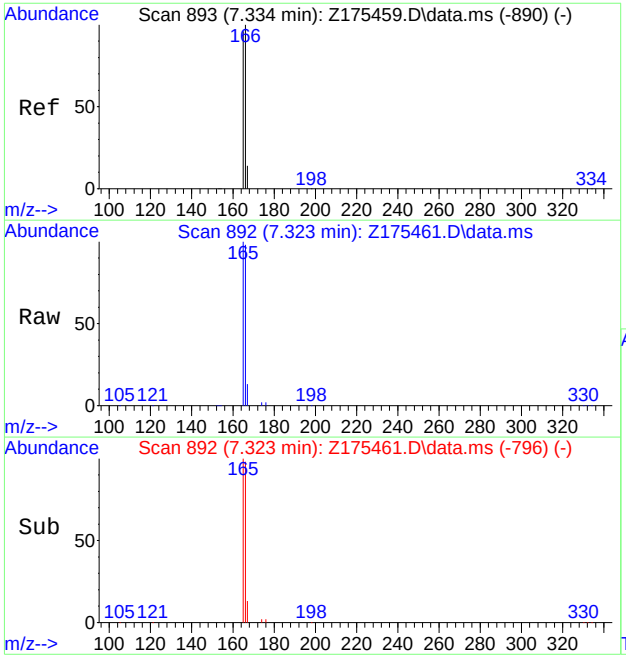


#15
Acenaphthene
Concen: 956.36 ppb
RT: 6.837 min Scan# 797
Delta R.T. -0.004 min
Lab File: Z175461.D
Acq: 10 Sep 2025 3:36 pm

Tgt Ion:153 Resp: 21726

Ion	Ratio	Lower	Upper
153	100		
152	44.4	16.6	76.6
154	85.7	57.9	117.9

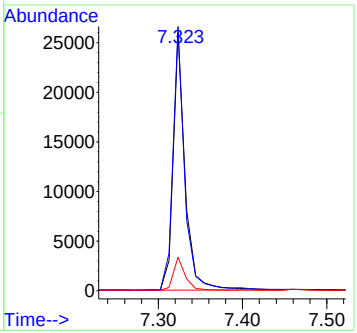


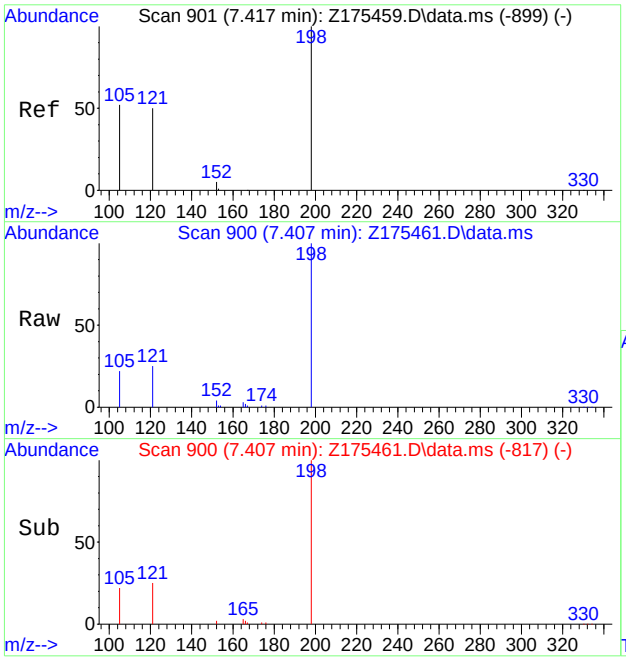


#16
Fluorene
Concen: 976.29 ppb
RT: 7.323 min Scan# 892
Delta R.T. -0.010 min
Lab File: Z175461.D
Acq: 10 Sep 2025 3:36 pm

Tgt Ion:166 Resp: 25555

Ion	Ratio	Lower	Upper
166	100		
165	102.4	65.8	125.8
167	12.9	0.0	43.5

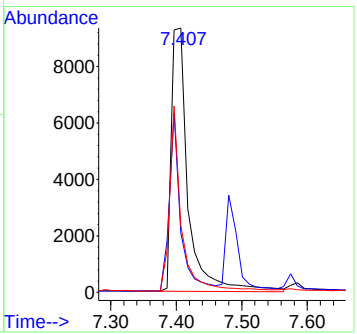


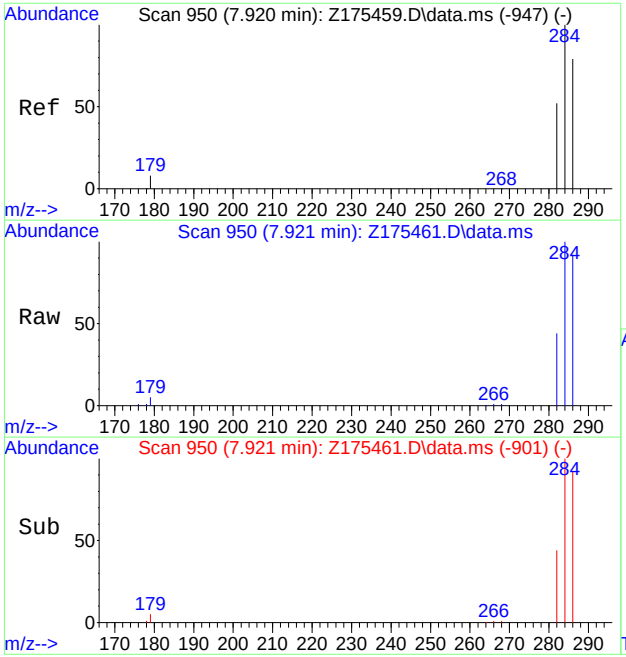


#17
4,6-dinitro-2-methylphenol
Concen: 8391.29 ppb
RT: 7.407 min Scan# 900
Delta R.T. -0.010 min
Lab File: Z175461.D
Acq: 10 Sep 2025 3:36 pm

Tgt Ion:198 Resp: 16662

Ion	Ratio	Lower	Upper
198	100		
105	21.3	25.6	65.6#
121	24.9	29.8	69.8#

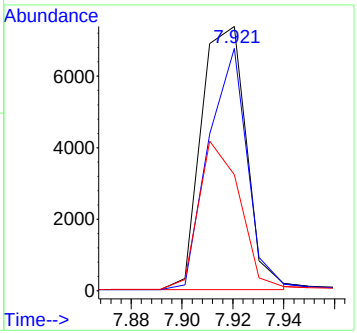


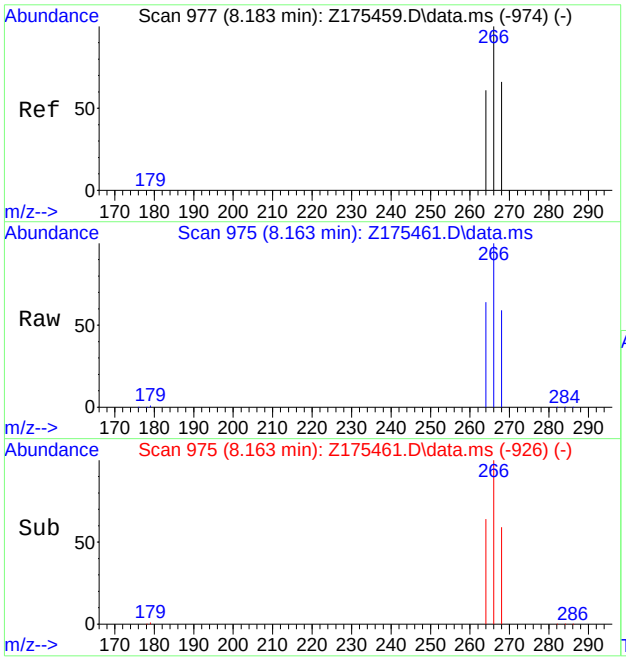


#20
Hexachlorobenzene
Concen: 1002.65 ppb
RT: 7.921 min Scan# 950
Delta R.T. 0.000 min
Lab File: Z175461.D
Acq: 10 Sep 2025 3:36 pm

Tgt Ion:284 Resp: 9047

Ion	Ratio	Lower	Upper
284	100		
286	91.6	48.9	108.9
282	43.5	22.1	82.1

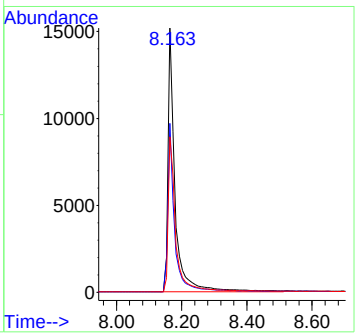


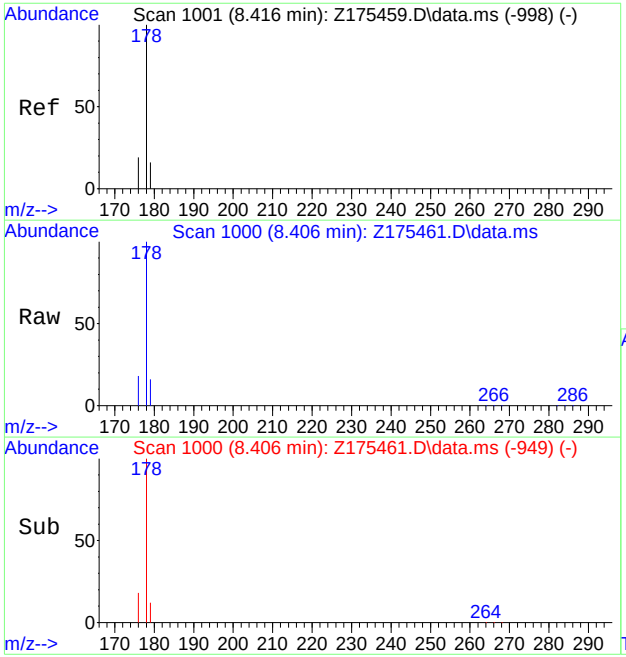


#21
Pentachlorophenol
Concen: 7659.91 ppb
RT: 8.163 min Scan# 975
Delta R.T. -0.019 min
Lab File: Z175461.D
Acq: 10 Sep 2025 3:36 pm

Tgt Ion:266 Resp: 22862

Ion	Ratio	Lower	Upper
266	100		
264	63.9	30.8	90.8
268	58.7	36.3	96.3

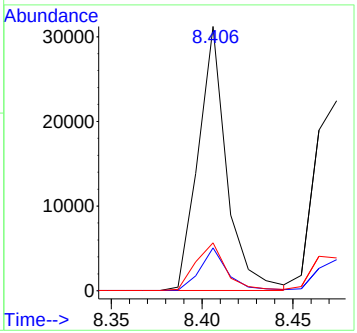


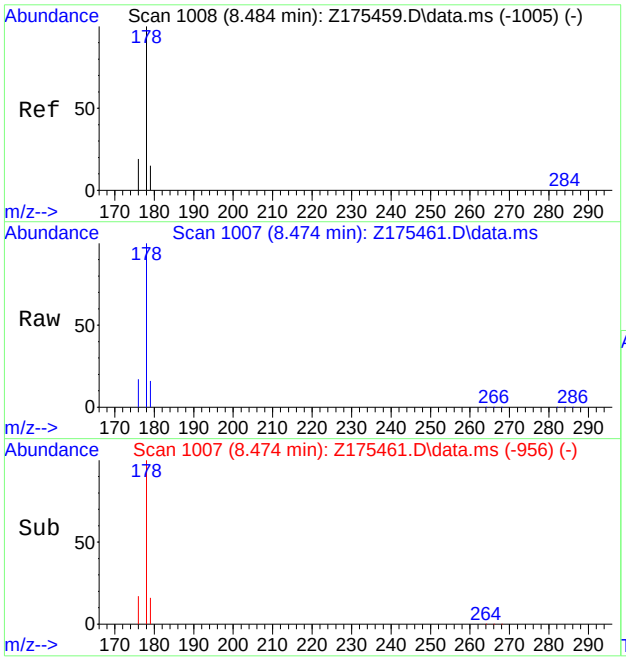


#22
Phenanthrene
Concen: 1078.26 ppb
RT: 8.406 min Scan# 1000
Delta R.T. -0.010 min
Lab File: Z175461.D
Acq: 10 Sep 2025 3:36 pm

Tgt Ion:178 Resp: 34144

Ion	Ratio	Lower	Upper
178	100		
179	16.2	0.0	45.6
176	18.1	0.0	48.6

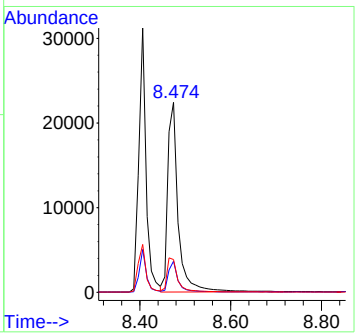


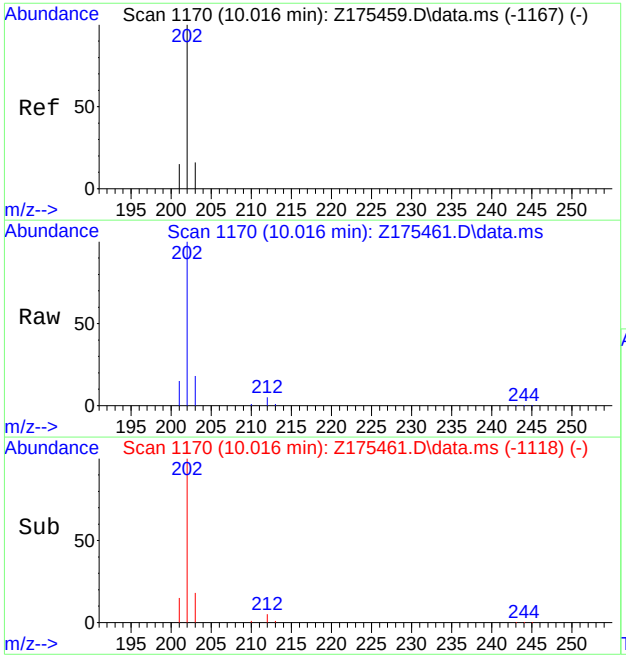


#23
Anthracene
Concen: 907.19 ppb
RT: 8.474 min Scan# 1007
Delta R.T. -0.010 min
Lab File: Z175461.D
Acq: 10 Sep 2025 3:36 pm

Tgt Ion:178 Resp: 35662

Ion	Ratio	Lower	Upper
178	100		
179	16.3	0.0	44.8
176	17.0	0.0	48.7

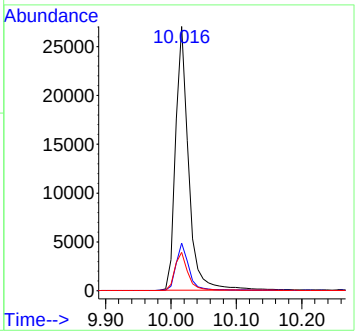


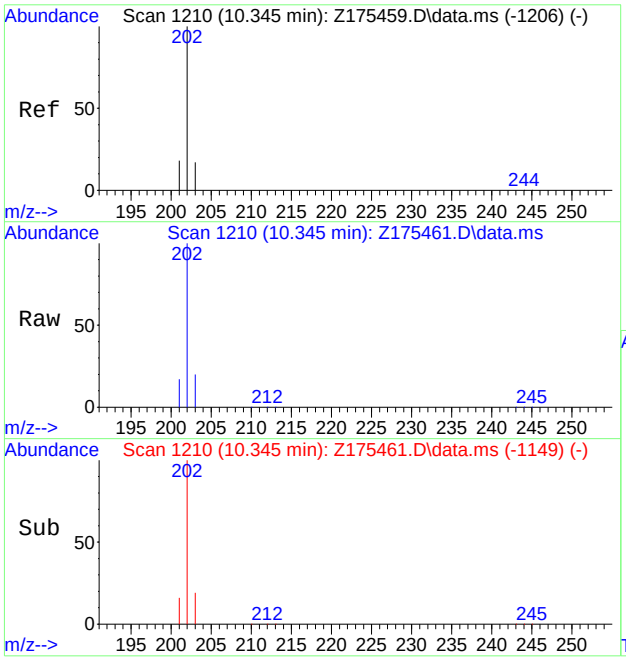


#24
Fluoranthene
Concen: 982.77 ppb
RT: 10.016 min Scan# 1170
Delta R.T. 0.000 min
Lab File: Z175461.D
Acq: 10 Sep 2025 3:36 pm

Tgt Ion:202 Resp: 37042

Ion	Ratio	Lower	Upper
202	100		
203	17.9	0.0	46.4
201	14.4	0.0	45.1

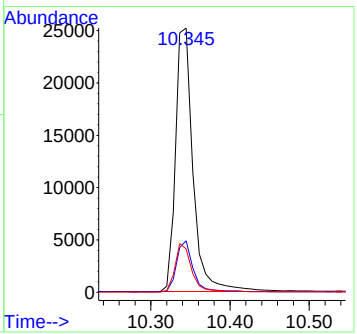


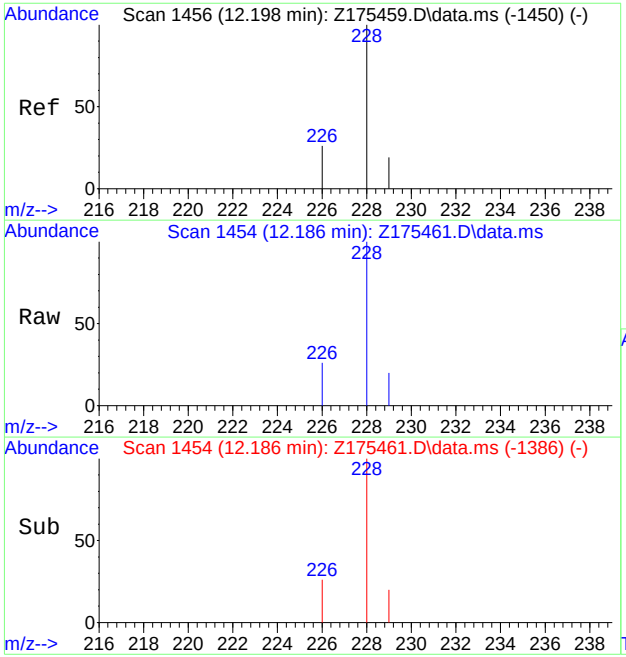


#25
Pyrene
Concen: 977.28 ppb
RT: 10.345 min Scan# 1210
Delta R.T. 0.000 min
Lab File: Z175461.D
Acq: 10 Sep 2025 3:36 pm

Tgt Ion:202 Resp: 38775

Ion	Ratio	Lower	Upper
202	100		
203	19.4	0.0	47.4
201	16.4	0.0	47.8

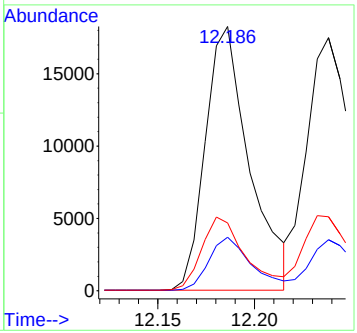


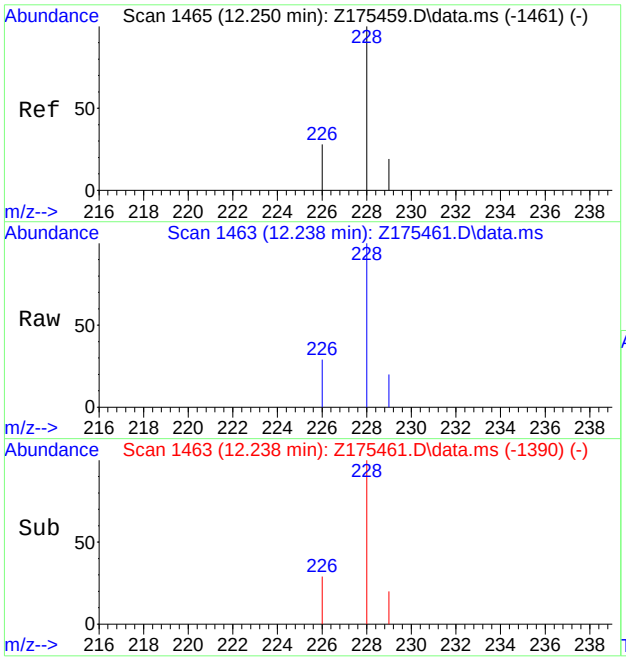


#27
Benzo[a]anthracene
Concen: 1152.48 ppb
RT: 12.186 min Scan# 1454
Delta R.T. -0.011 min
Lab File: Z175461.D
Acq: 10 Sep 2025 3:36 pm

Tgt Ion:228 Resp: 28984

Ion	Ratio	Lower	Upper
228	100		
229	20.1	0.0	49.3
226	25.2	0.0	55.6

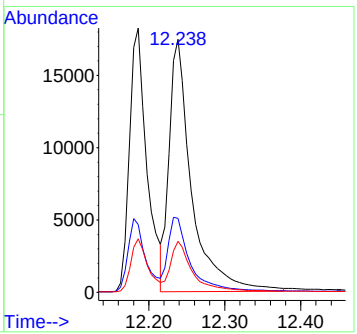


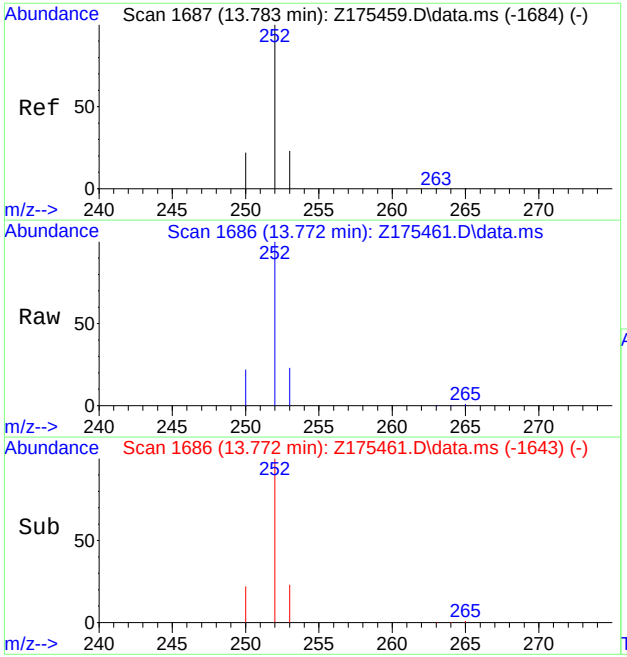


#28
Chrysene
Concen: 835.79 ppb
RT: 12.238 min Scan# 1463
Delta R.T. -0.011 min
Lab File: Z175461.D
Acq: 10 Sep 2025 3:36 pm

Tgt Ion:228 Resp: 36098

Ion	Ratio	Lower	Upper
228	100		
226	29.2	0.0	58.4
229	20.0	0.0	49.1

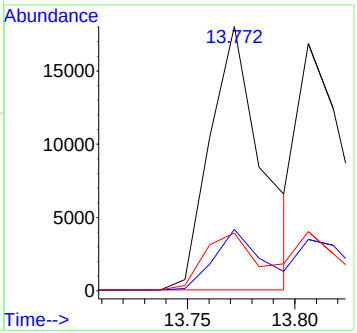


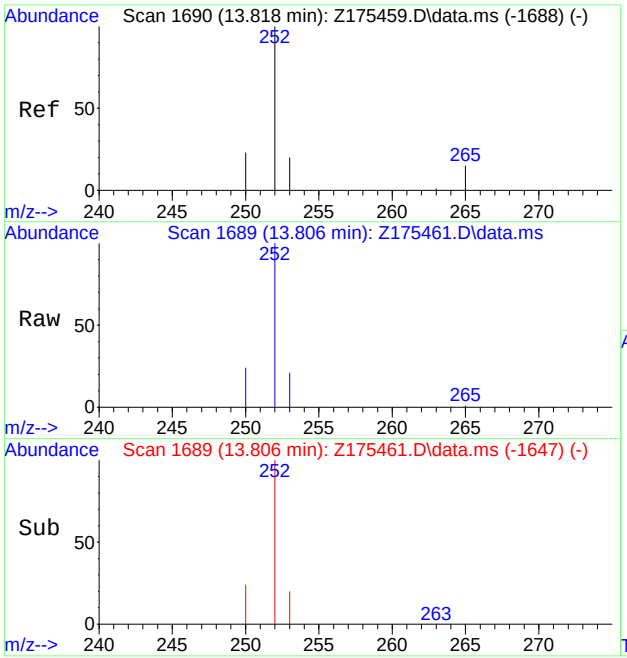


#30
Benzo[b]fluoranthene
Concen: 1300.94 ppb
RT: 13.772 min Scan# 1686
Delta R.T. -0.011 min
Lab File: Z175461.D
Acq: 10 Sep 2025 3:36 pm

Tgt Ion:252 Resp: 30405

Ion	Ratio	Lower	Upper
252	100		
253	23.7	0.0	52.6
250	20.4	0.0	51.9

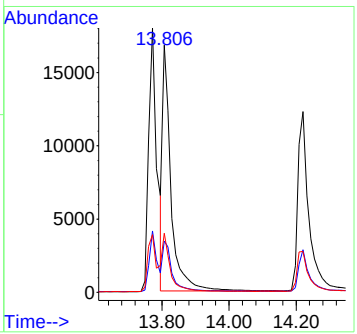


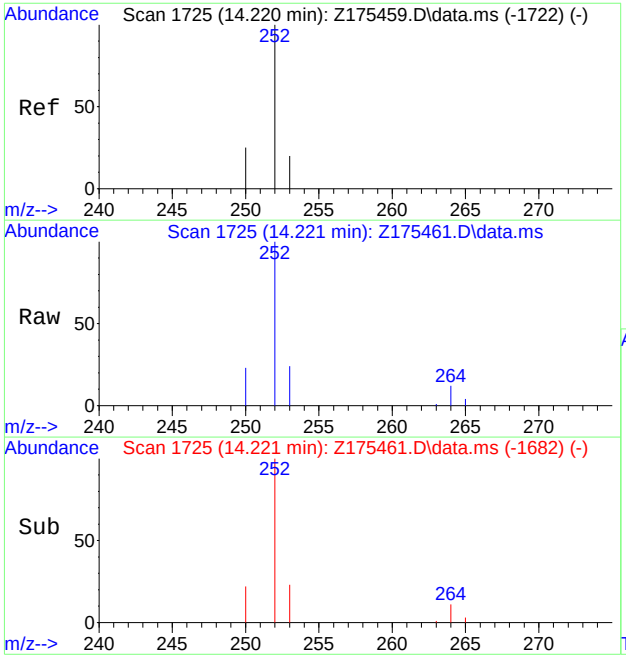


#31
Benzo[k]fluoranthene
Concen: 803.93 ppb
RT: 13.806 min Scan# 1689
Delta R.T. -0.011 min
Lab File: Z175461.D
Acq: 10 Sep 2025 3:36 pm

Tgt Ion:252 Resp: 29651

Ion	Ratio	Lower	Upper
252	100		
253	20.7	0.0	51.0
250	22.8	0.0	53.1

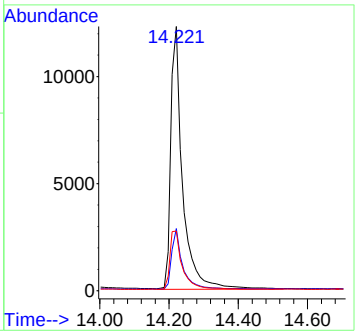


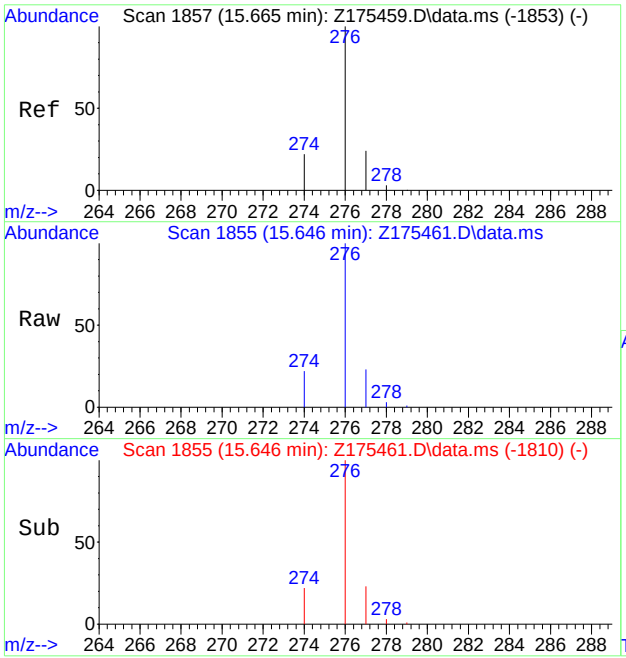


#32
Benzo[a]pyrene
Concen: 1027.39 ppb
RT: 14.221 min Scan# 1725
Delta R.T. 0.000 min
Lab File: Z175461.D
Acq: 10 Sep 2025 3:36 pm

Tgt Ion:252 Resp: 28968

Ion	Ratio	Lower	Upper
252	100		
253	23.1	0.0	50.2
250	22.2	0.0	54.3

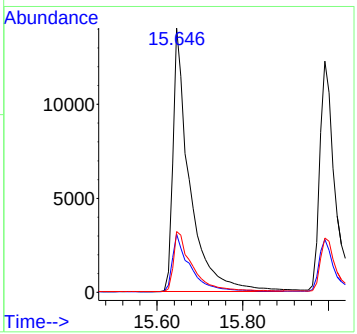


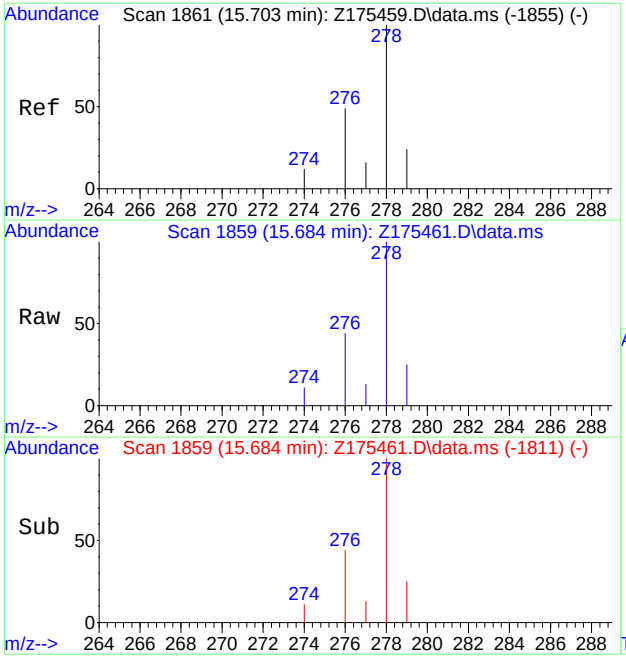


#33
Indeno[1,2,3-cd]pyrene
Concen: 1189.68 ppb
RT: 15.646 min Scan# 1855
Delta R.T. -0.019 min
Lab File: Z175461.D
Acq: 10 Sep 2025 3:36 pm

Tgt Ion:276 Resp: 37957

Ion	Ratio	Lower	Upper
276	100		
274	21.9	0.0	51.7
277	22.7	0.0	53.6

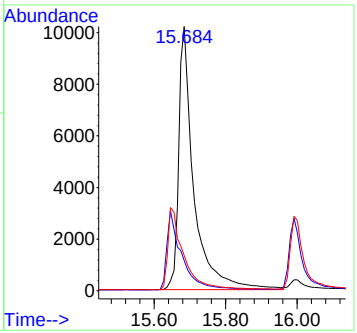


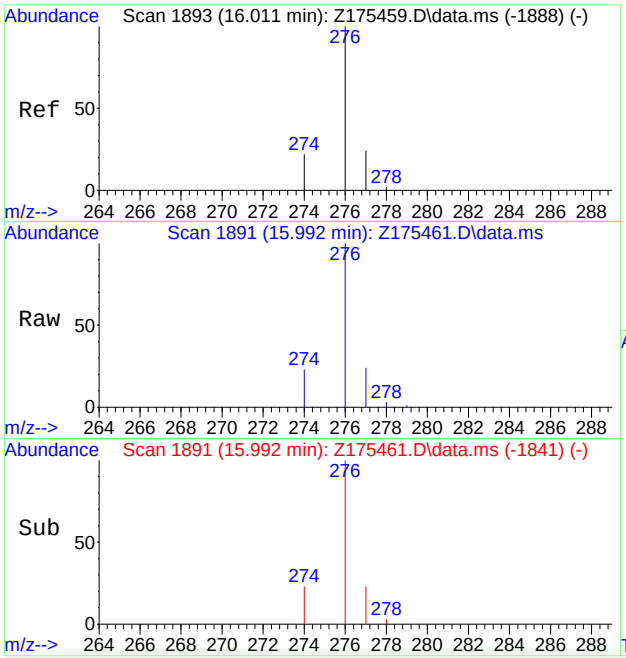


#34
Dibenz[a,h]anthracene
Concen: 1138.39 ppb
RT: 15.684 min Scan# 1859
Delta R.T. -0.019 min
Lab File: Z175461.D
Acq: 10 Sep 2025 3:36 pm

Tgt Ion:278 Resp: 30082

Ion	Ratio	Lower	Upper
278	100		
274	10.5	0.0	44.0
277	12.8	0.0	46.5

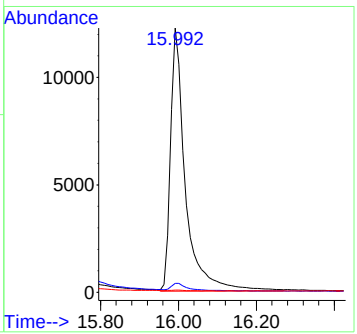




#35
Benzo[g,h,i]perylene
Concen: 1170.00 ppb
RT: 15.992 min Scan# 1891
Delta R.T. -0.019 min
Lab File: Z175461.D
Acq: 10 Sep 2025 3:36 pm

Tgt Ion:276 Resp: 32562

Ion	Ratio	Lower	Upper
276	100		
278	2.7	0.0	32.8
279	0.2	0.0	30.0



Manual Integration Approval Summary

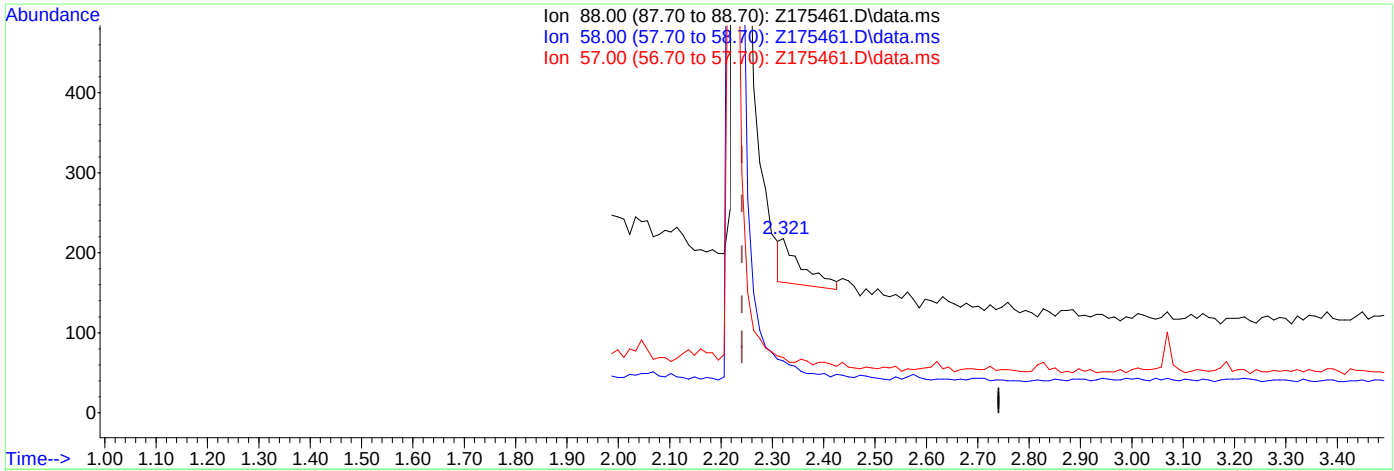
Sample Number:	EZ8654-IC8654	**Method:**	SW846 8270E BY SIM
Lab FileID:	Z175461.D	**Analyst approved:**	09/11/25 12:07 Ying Li
Injection Time:	09/10/25 15:36	**Supervisor approved:**	09/15/25 15:51 Nina Pandya

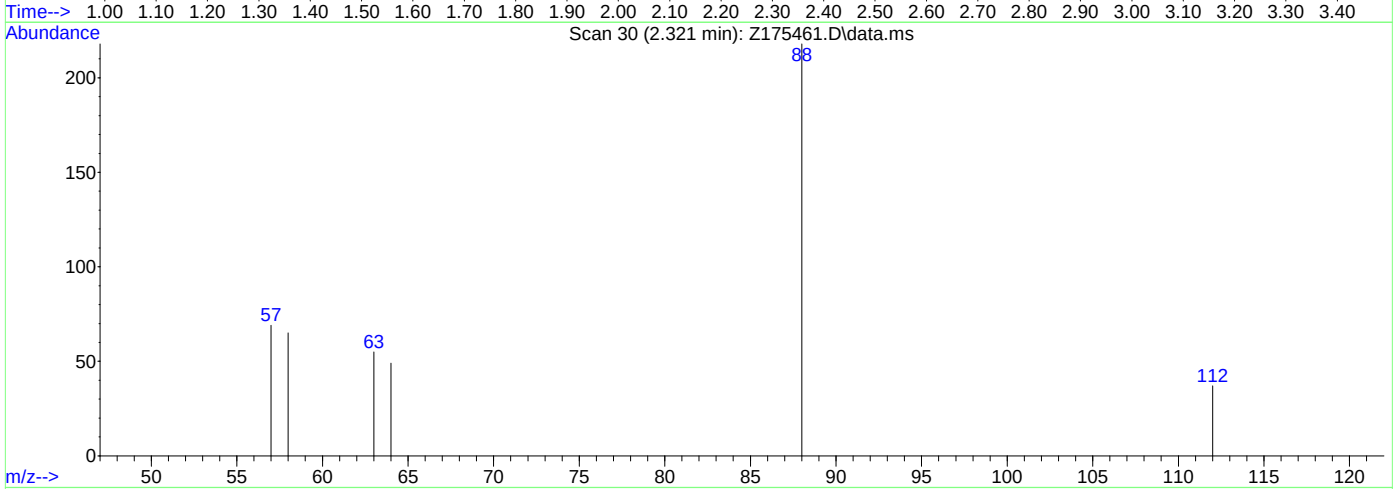
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,4-Dioxane	123-91-1		2.23	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175461.D
Acq On : 10 Sep 2025 3:36 pm
Operator : rocquans
Sample : ic8654-1
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 10 16:28:09 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175461.D\data.ms

(2) 1,4-Dioxane (t)

2.321min (+0.081) 33.87ppb

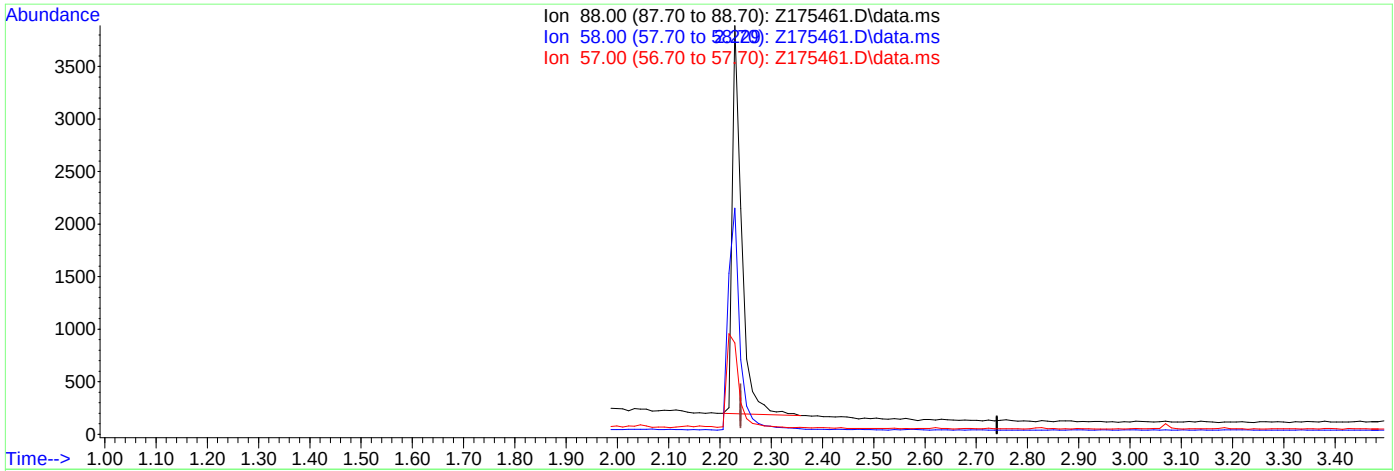
response 156

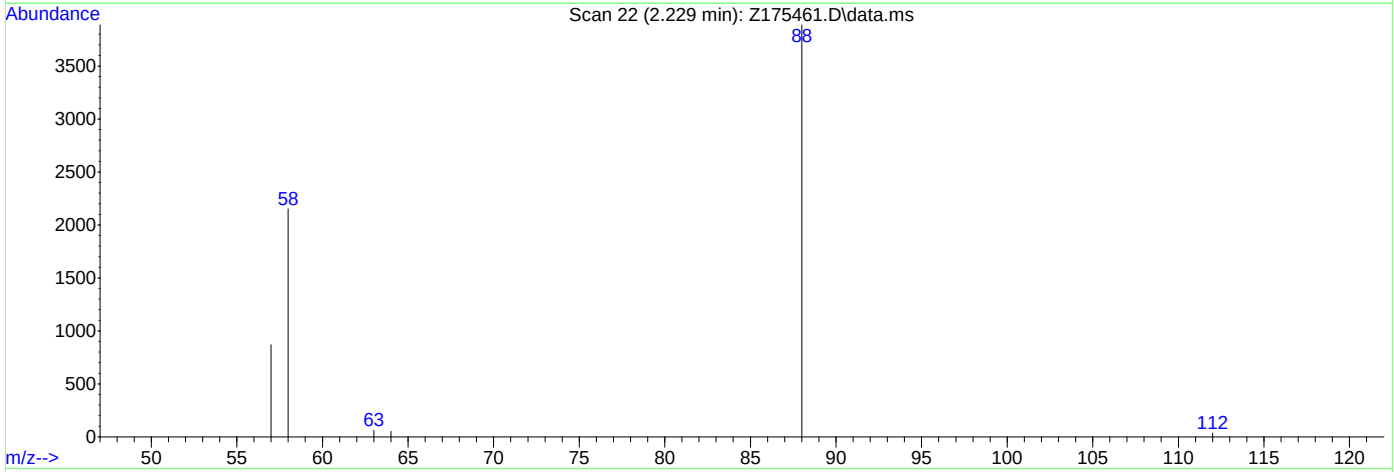
Ion	Exp%	Act%
88.00	100	100
58.00	35.60	25.86
57.00	20.00	15.52
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175461.D
Acq On : 10 Sep 2025 3:36 pm
Operator : rocquans
Sample : ic8654-1
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 10 16:28:09 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175461.D\data.ms

(2) 1,4-Dioxane (t)

2.229min (-0.011) 1017.12ppb m

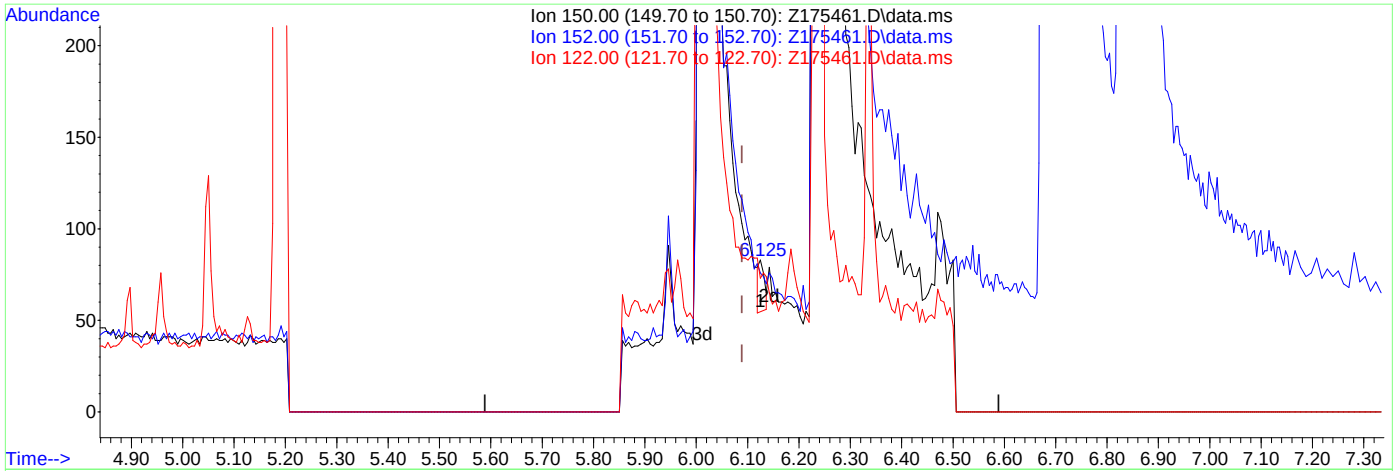
response 4684

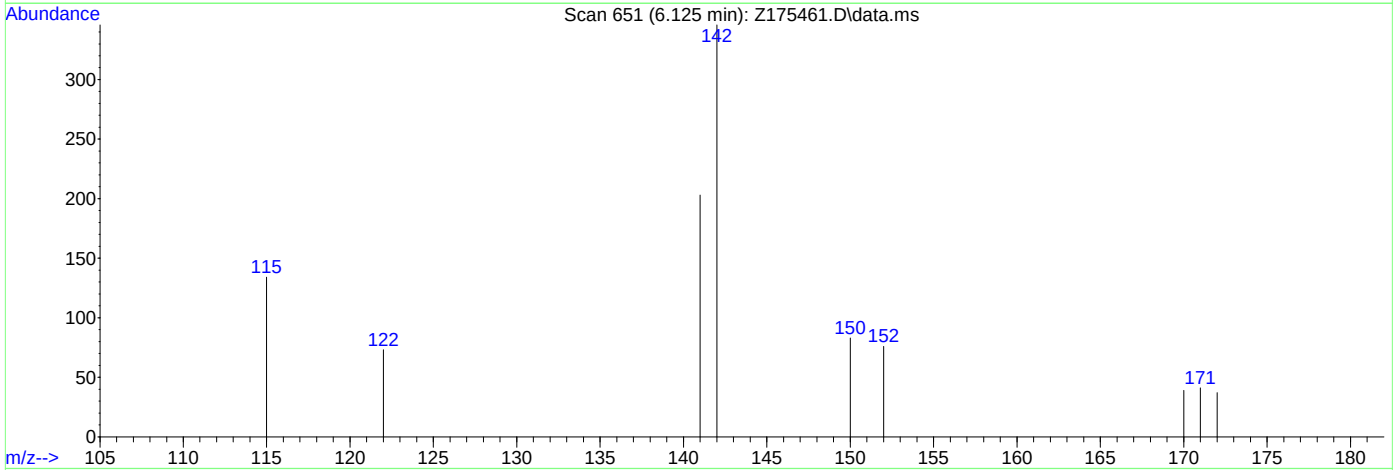
Ion	Exp%	Act%
88.00	100	100
58.00	35.60	55.34
57.00	20.00	22.35
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175461.D
Acq On : 10 Sep 2025 3:36 pm
Operator : rocquans
Sample : ic8654-1
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 10 16:29:02 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175461.D\data.ms

(36) 1-Methylnaphthalene-d10a

6.125min (+0.036) 800.00ppb

response 21

Ion	Exp%	Act%
150.00	100	100
152.00	80.50	4.55#
122.00	40.20	0.00#
0.00	0.00	0.00

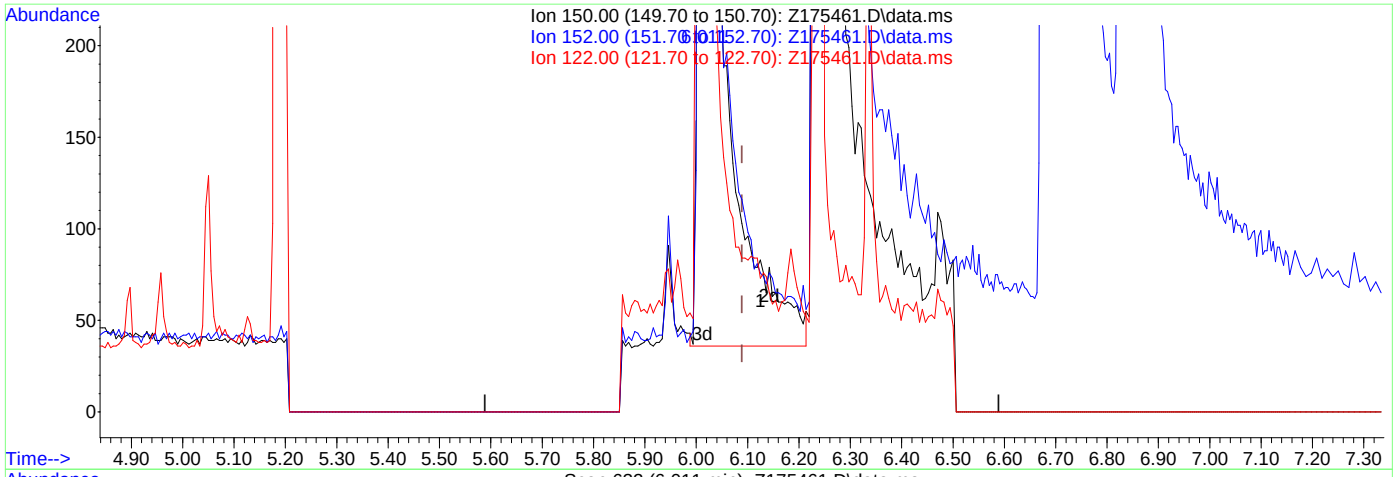
9.6.23.4

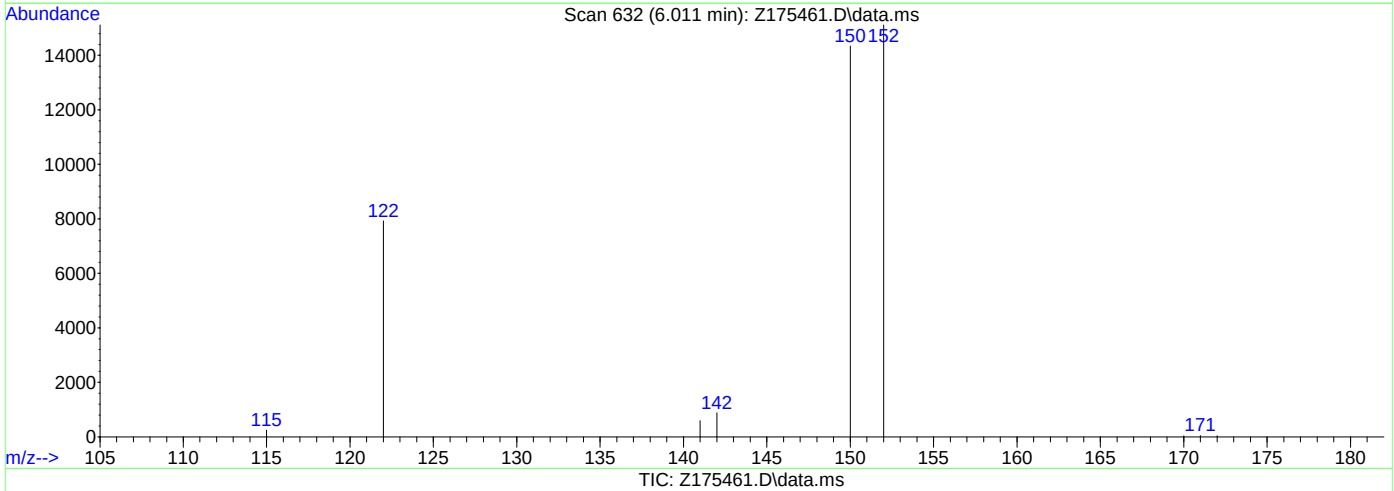
9

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175461.D
Acq On : 10 Sep 2025 3:36 pm
Operator : rocquans
Sample : ic8654-1
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 10 16:29:02 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175461.D\data.ms

(36) 1-Methylnaphthalene-d10a

6.011min (-0.077) 800.00ppb m

response 11540

Ion	Exp%	Act%
150.00	100	100
152.00	80.50	105.40#
122.00	40.20	55.26#
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
09/15/25 15:51

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175462.D
Acq On : 10 Sep 2025 4:01 pm
Operator : rocquans
Sample : ic8654-2
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 11 11:58:16 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	6.011	150	12387	800.00	ppb	0.00
12) Fluorene-d10	7.292	176	17478	800.00	ppb	-0.01
19) Fluoranthene-d10	9.992	212	27974	800.00	ppb	0.00
29) Benzo(a)pyrene-d12	14.186	264	17322	800.00	ppb	-0.01
36) 1-Methylnaphthalene-d10a	6.011	150	12575m	800.00	ppb	-0.08
System Monitoring Compounds						
3) 2-Fluorophenol	3.598	112	313527	33313.21	ppb	-0.02
Spiked Amount 10000.000			Recovery = 333.13%			
4) Phenol-d5	4.305	99	384582	37364.86	ppb	-0.02
Spiked Amount 10000.000			Recovery = 373.65%			
6) Nitrobenzene-d5	4.941	82	398459	34863.28	ppb	0.00
Spiked Amount 10000.000			Recovery = 348.63%			
13) 2-Fluorobiphenyl	6.244	172	771923	29835.53	ppb	0.00
Spiked Amount 10000.000			Recovery = 298.36%			
18) 2,4,6-Tribromophenol	7.585	330	147274	31899.45	ppb	0.00
Spiked Amount 10000.000			Recovery = 318.99%			
26) Terphenyl-d14	10.624	244	712487	28606.55	ppb	0.00
Spiked Amount 10000.000			Recovery = 286.07%			
Target Compounds						Qvalue
2) 1,4-Dioxane	2.229	88	9440m	1880.90	ppb	
5) Phenol	4.319	94	117793	11288.56	ppb	85
7) Naphthalene	5.466	128	68015	1920.87	ppb	99
8) Hexachlorobutadiene	5.550	225	16455	1751.49	ppb	91
9) 2-Methylnaphthalene	5.964	141	39109	1780.09	ppb	98
10) 1-Methylnaphthalene	6.035	141	36200	1610.48	ppb	91
14) Acenaphthylene	6.683	152	71999	1924.95	ppb	97
15) Acenaphthene	6.833	153	45646	1735.12	ppb	94
16) Fluorene	7.323	166	54519	1798.60	ppb	98
17) 4,6-dinitro-2-methylph...	7.396	198	40566	17641.99	ppb	76
20) Hexachlorobenzene	7.911	284	19861	1969.33	ppb	88
21) Pentachlorophenol	8.163	266	52132	15627.34	ppb	97
22) Phenanthrene	8.406	178	74087	2093.25	ppb	97
23) Anthracene	8.464	178	74685	1699.79	ppb	99
24) Fluoranthene	10.016	202	78732	1868.88	ppb	96
25) Pyrene	10.336	202	82515	1860.68	ppb	98
27) Benzo[a]anthracene	12.180	228	62367	2218.71	ppb	99
28) Chrysene	12.232	228	71662	1484.47	ppb	96
30) Benzo[b]fluoranthene	13.760	252	56497	2355.80	ppb	89
31) Benzo[k]fluoranthene	13.806	252	61920	1636.10	ppb	96
32) Benzo[a]pyrene	14.209	252	56893	1966.41	ppb	99
33) Indeno[1,2,3-cd]pyrene	15.646	276	89471	2732.87	ppb	95
34) Dibenz[a,h]anthracene	15.675	278	68648	2531.71	ppb	93
35) Benzo[g,h,i]perylene	15.992	276	76698	2685.71	ppb	100

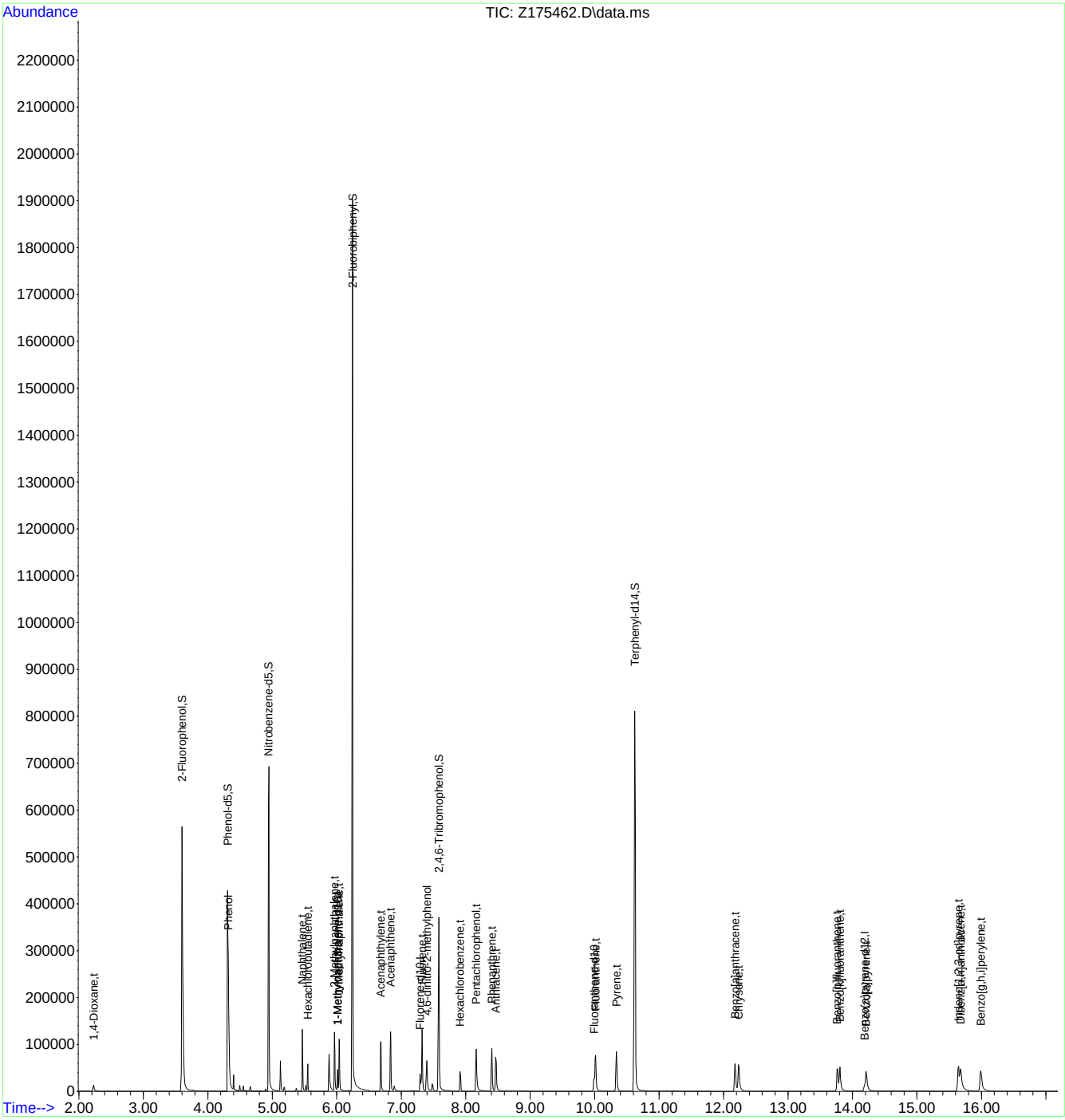
(#) = qualifier out of range (m) = manual integration (+) = signals summed

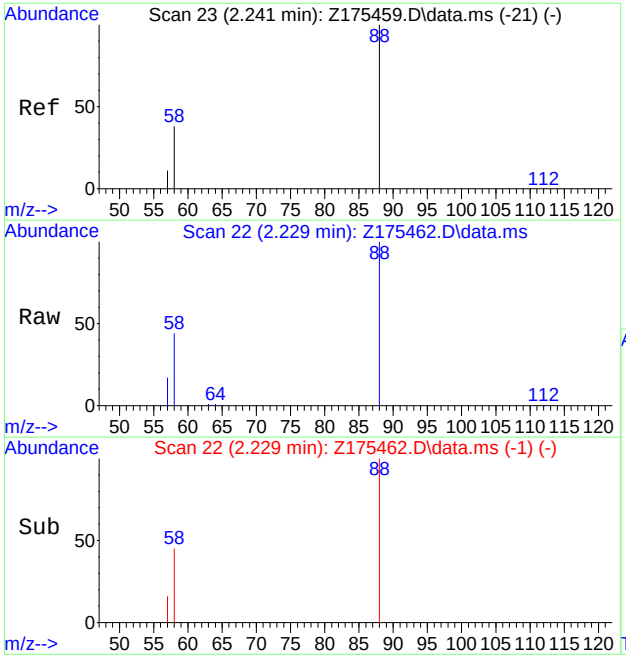
9.6.24
9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175462.D
Acq On : 10 Sep 2025 4:01 pm
Operator : rocquans
Sample : ic8654-2
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 11 11:58:16 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration

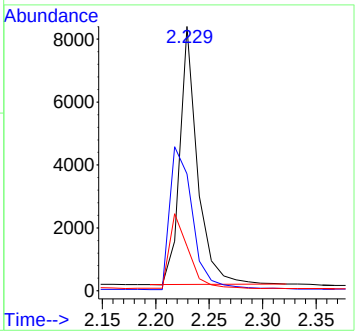


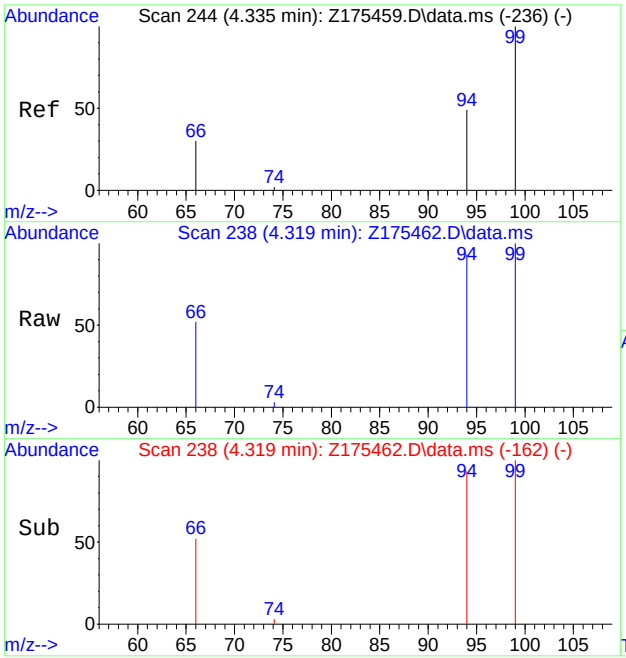


#2
1,4-Dioxane
Concen: 1880.90 ppb m
RT: 2.229 min Scan# 22
Delta R.T. -0.011 min
Lab File: Z175462.D
Acq: 10 Sep 2025 4:01 pm

Tgt Ion: 88 Resp: 9440

Ion	Ratio	Lower	Upper
88	100		
58	44.2	15.6	55.6
57	16.9	0.0	40.0

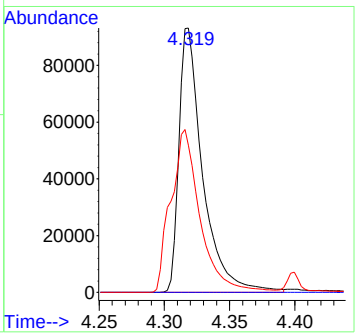




#5
Phenol
Concen: 11288.56 ppb
RT: 4.319 min Scan# 238
Delta R.T. -0.016 min
Lab File: Z175462.D
Acq: 10 Sep 2025 4:01 pm

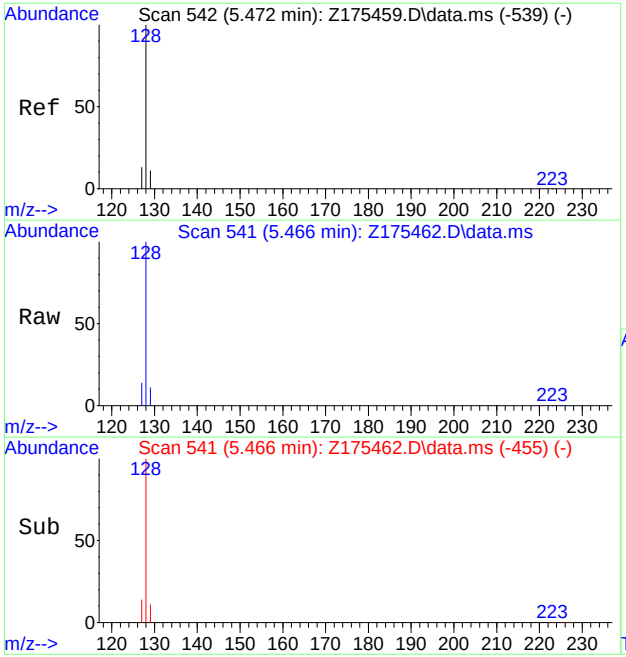
Tgt Ion: 94 Resp: 117793

Ion	Ratio	Lower	Upper
94	100		
65	0.0	0.0	0.0
66	50.8	49.8	74.8



9.6.24

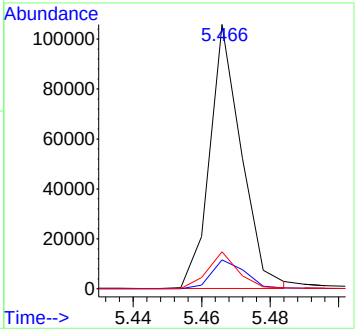
9

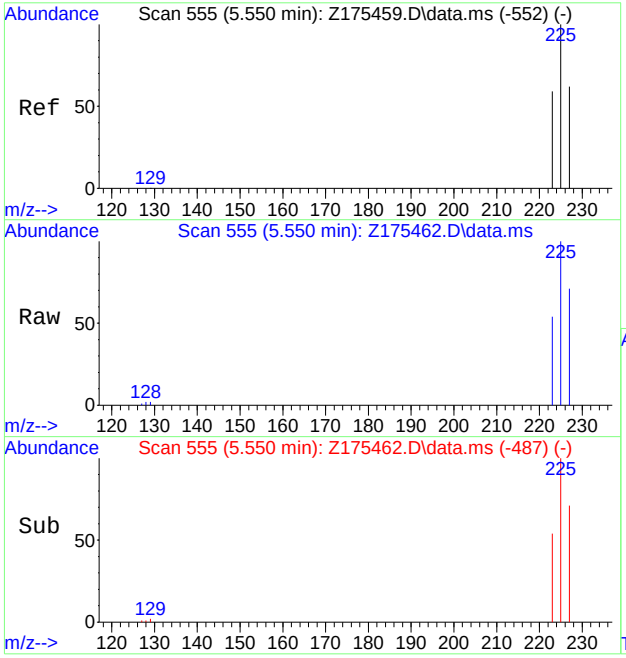


#7
Naphthalene
Concen: 1920.87 ppb
RT: 5.466 min Scan# 541
Delta R.T. -0.006 min
Lab File: Z175462.D
Acq: 10 Sep 2025 4:01 pm

Tgt Ion:128 Resp: 68015

Ion	Ratio	Lower	Upper
128	100		
129	10.9	0.0	40.6
127	14.0	0.0	43.3

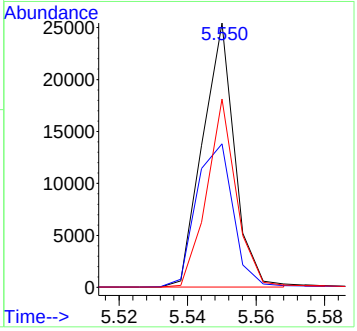


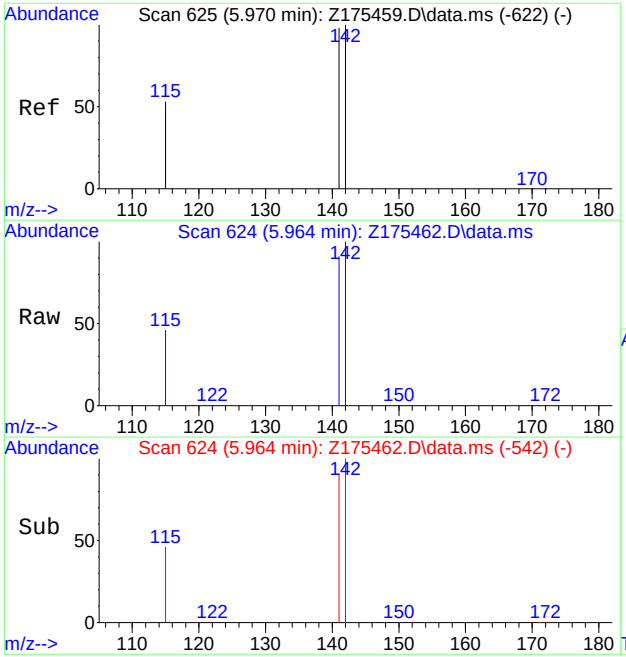


#8
Hexachlorobutadiene
Concen: 1751.49 ppb
RT: 5.550 min Scan# 555
Delta R.T. 0.000 min
Lab File: Z175462.D
Acq: 10 Sep 2025 4:01 pm

Tgt Ion:225 Resp: 16455

Ion	Ratio	Lower	Upper
225	100		
223	54.2	29.0	89.0
227	71.3	32.1	92.1

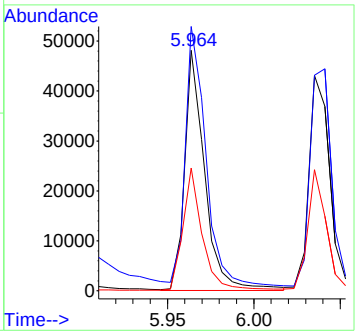


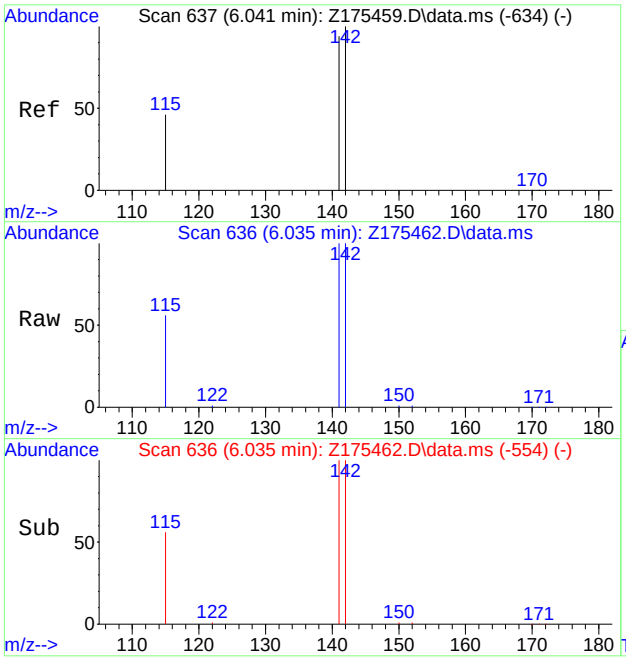


#9
2-Methylnaphthalene
Concen: 1780.09 ppb
RT: 5.964 min Scan# 624
Delta R.T. -0.006 min
Lab File: Z175462.D
Acq: 10 Sep 2025 4:01 pm

Tgt Ion:141 Resp: 39109

Ion	Ratio	Lower	Upper
141	100		
142	107.9	77.1	137.1
115	51.1	24.3	84.3

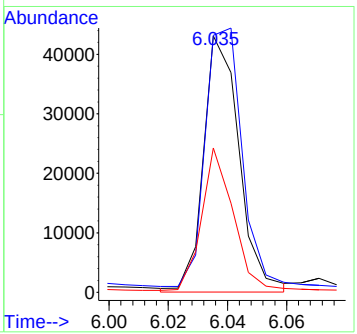


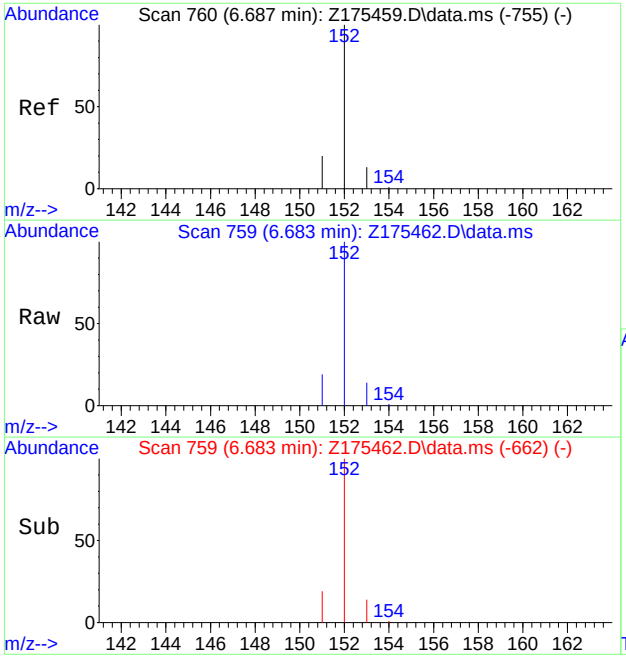


#10
1-Methylnaphthalene
Concen: 1610.48 ppb
RT: 6.035 min Scan# 636
Delta R.T. -0.006 min
Lab File: Z175462.D
Acq: 10 Sep 2025 4:01 pm

Tgt Ion:141 Resp: 36200

Ion	Ratio	Lower	Upper
141	100		
142	99.6	77.6	137.6
115	56.6	19.1	79.1

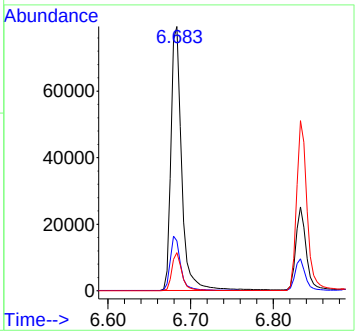


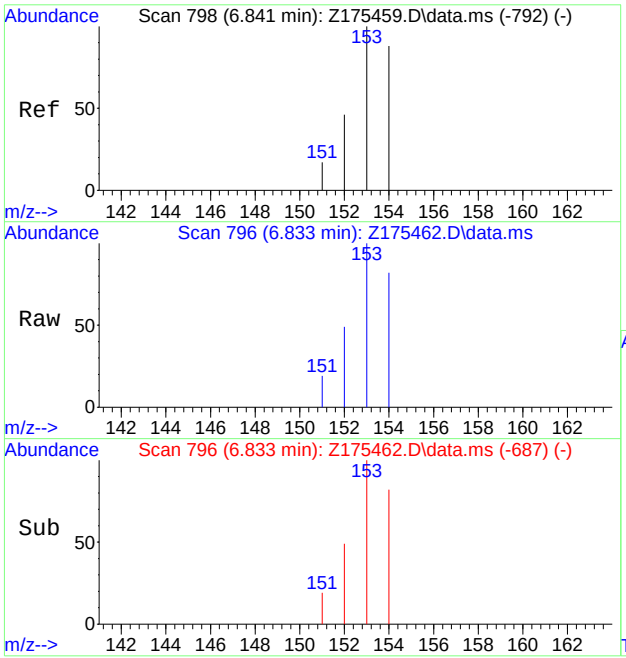


#14
Acenaphthylene
Concen: 1924.95 ppb
RT: 6.683 min Scan# 759
Delta R.T. -0.004 min
Lab File: Z175462.D
Acq: 10 Sep 2025 4:01 pm

Tgt Ion:152 Resp: 71999

Ion	Ratio	Lower	Upper
152	100		
151	18.8	0.0	50.1
153	14.4	0.0	42.6

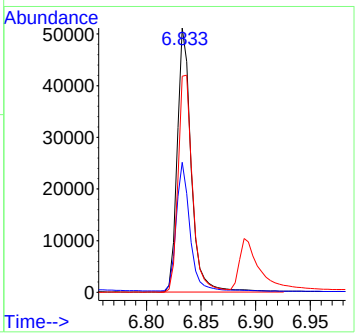


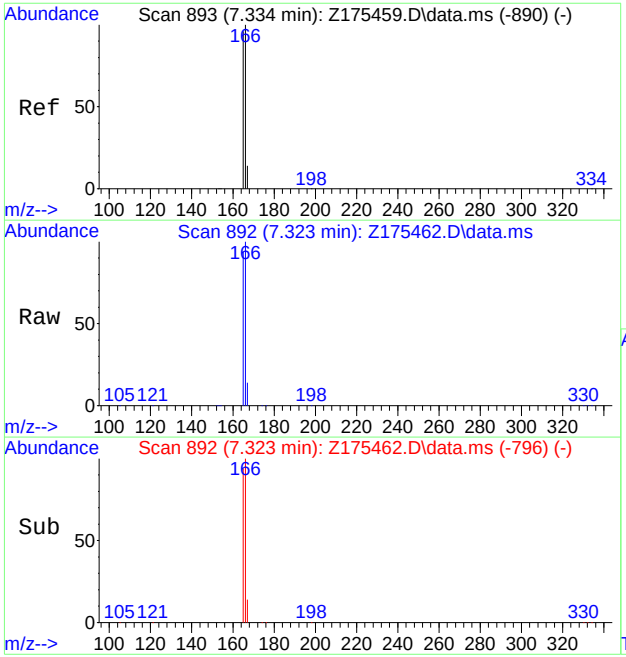


#15
Acenaphthene
Concen: 1735.12 ppb
RT: 6.833 min Scan# 796
Delta R.T. -0.008 min
Lab File: Z175462.D
Acq: 10 Sep 2025 4:01 pm

Tgt Ion:153 Resp: 45646

Ion	Ratio	Lower	Upper
153	100		
152	48.8	16.6	76.6
154	80.6	57.9	117.9

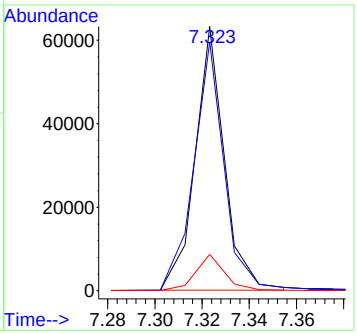


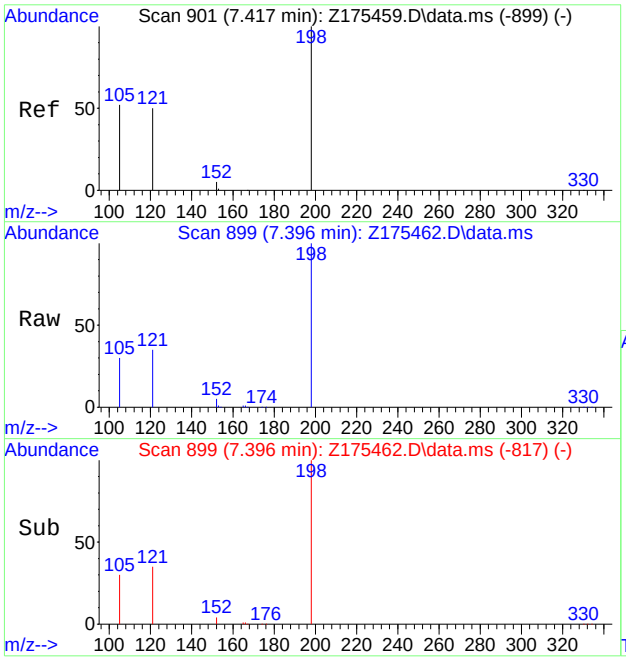


#16
Fluorene
Concen: 1798.60 ppb
RT: 7.323 min Scan# 892
Delta R.T. -0.010 min
Lab File: Z175462.D
Acq: 10 Sep 2025 4:01 pm

Tgt Ion:166 Resp: 54519

Ion	Ratio	Lower	Upper
166	100		
165	94.1	65.8	125.8
167	13.7	0.0	43.5

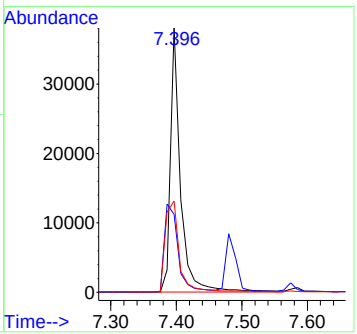




#17
4,6-dinitro-2-methylphenol
Concen: 17641.99 ppb
RT: 7.396 min Scan# 899
Delta R.T. -0.021 min
Lab File: Z175462.D
Acq: 10 Sep 2025 4:01 pm

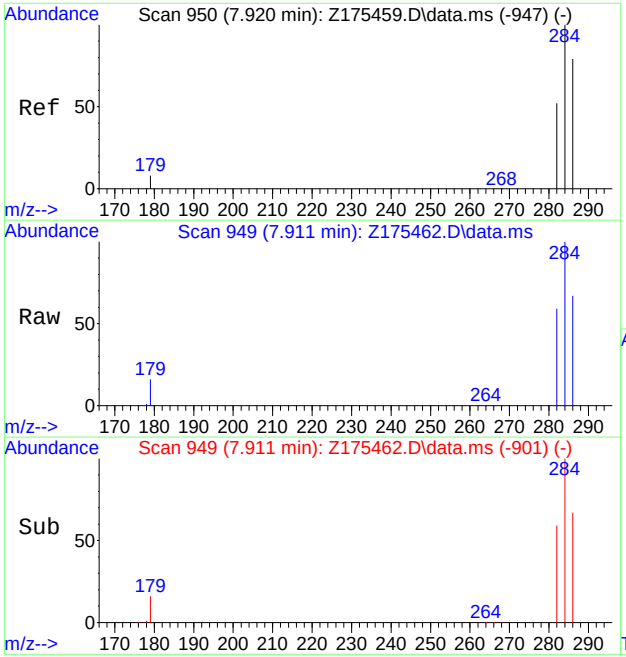
Tgt Ion:198 Resp: 40566

Ion	Ratio	Lower	Upper
198	100		
105	28.9	25.6	65.6
121	34.3	29.8	69.8



9.6.24

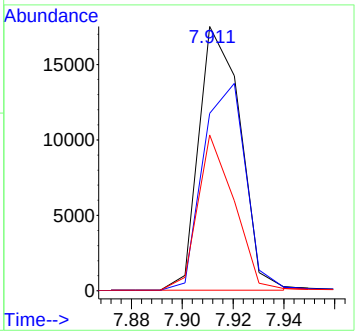
9

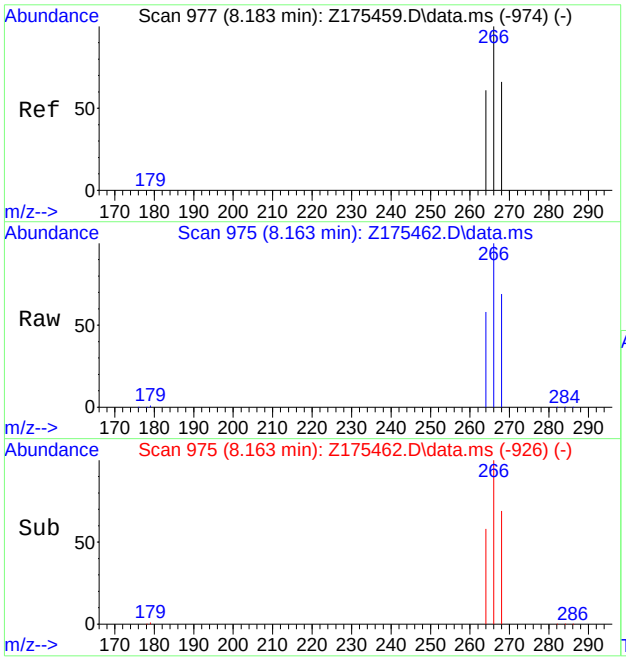


#20
Hexachlorobenzene
Concen: 1969.33 ppb
RT: 7.911 min Scan# 949
Delta R.T. -0.010 min
Lab File: Z175462.D
Acq: 10 Sep 2025 4:01 pm

Tgt Ion:284 Resp: 19861

Ion	Ratio	Lower	Upper
284	100		
286	66.9	48.9	108.9
282	58.9	22.1	82.1

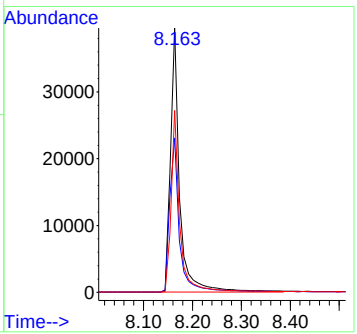


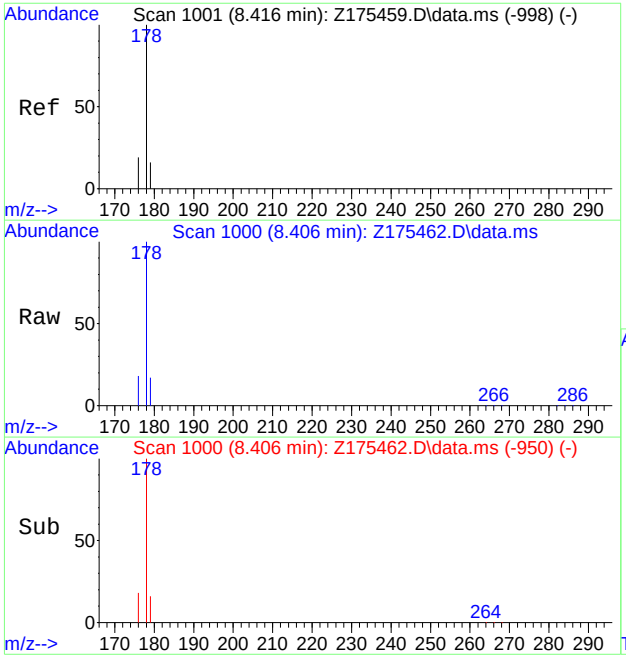


#21
Pentachlorophenol
Concen: 15627.34 ppb
RT: 8.163 min Scan# 975
Delta R.T. -0.019 min
Lab File: Z175462.D
Acq: 10 Sep 2025 4:01 pm

Tgt Ion:266 Resp: 52132

Ion	Ratio	Lower	Upper
266	100		
264	58.4	30.8	90.8
268	68.8	36.3	96.3

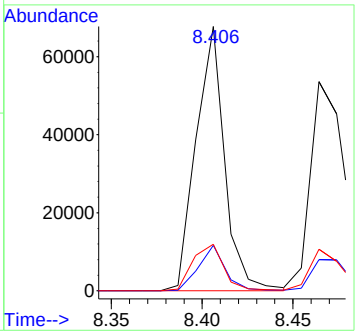


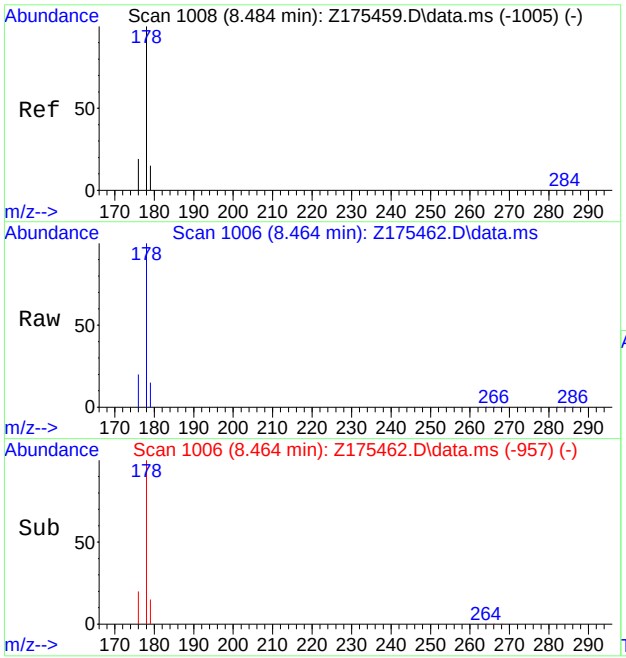


#22
Phenanthrene
Concen: 2093.25 ppb
RT: 8.406 min Scan# 1000
Delta R.T. -0.010 min
Lab File: Z175462.D
Acq: 10 Sep 2025 4:01 pm

Tgt Ion:178 Resp: 74087

Ion	Ratio	Lower	Upper
178	100		
179	17.2	0.0	45.6
176	17.6	0.0	48.6

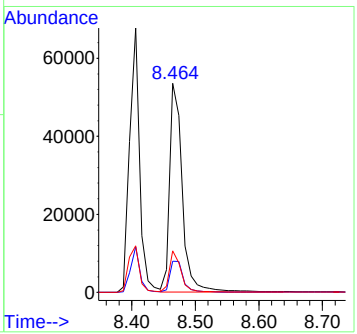


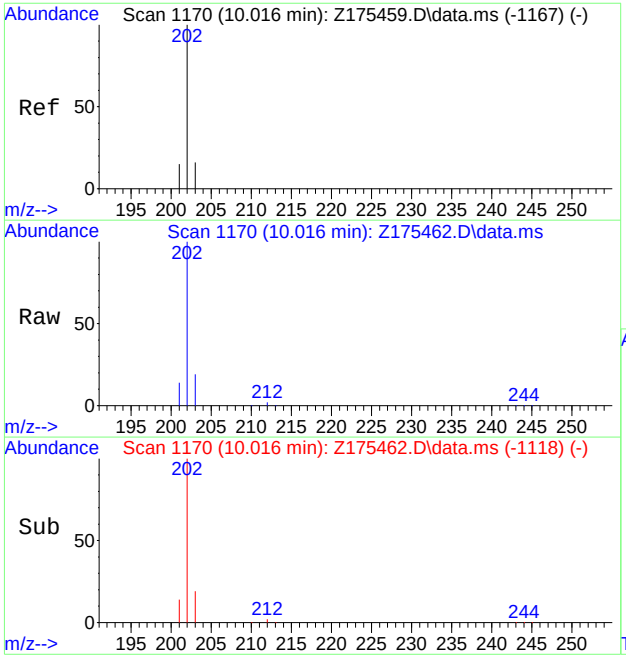


#23
Anthracene
Concen: 1699.79 ppb
RT: 8.464 min Scan# 1006
Delta R.T. -0.019 min
Lab File: Z175462.D
Acq: 10 Sep 2025 4:01 pm

Tgt Ion:178 Resp: 74685

Ion	Ratio	Lower	Upper
178	100		
179	14.8	0.0	44.8
176	19.8	0.0	48.7

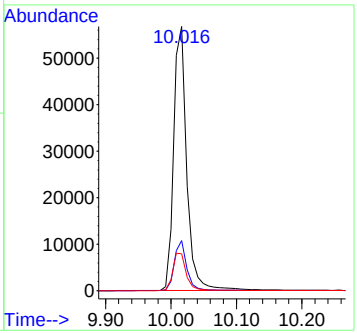


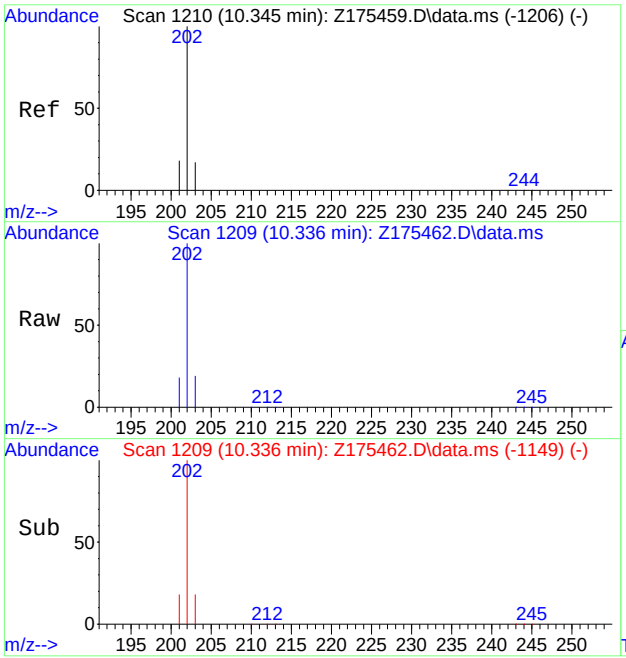


#24
Fluoranthene
Concen: 1868.88 ppb
RT: 10.016 min Scan# 1170
Delta R.T. 0.000 min
Lab File: Z175462.D
Acq: 10 Sep 2025 4:01 pm

Tgt Ion:202 Resp: 78732

Ion	Ratio	Lower	Upper
202	100		
203	18.9	0.0	46.4
201	14.0	0.0	45.1

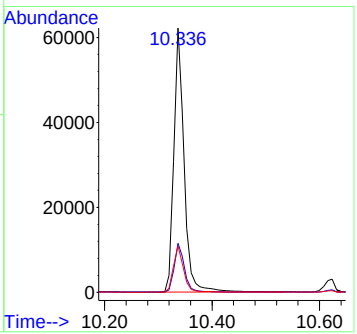


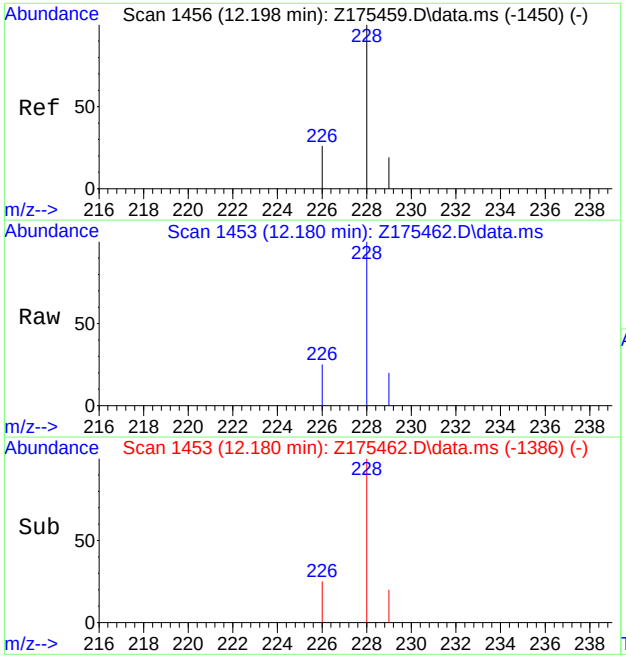


#25
Pyrene
Concen: 1860.68 ppb
RT: 10.336 min Scan# 1209
Delta R.T. -0.008 min
Lab File: Z175462.D
Acq: 10 Sep 2025 4:01 pm

Tgt Ion:202 Resp: 82515

Ion	Ratio	Lower	Upper
202	100		
203	18.5	0.0	47.4
201	17.5	0.0	47.8

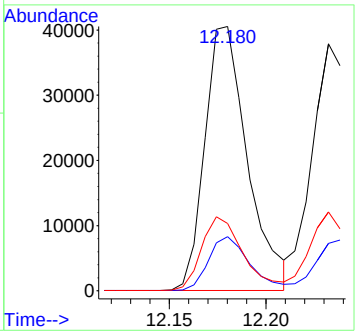


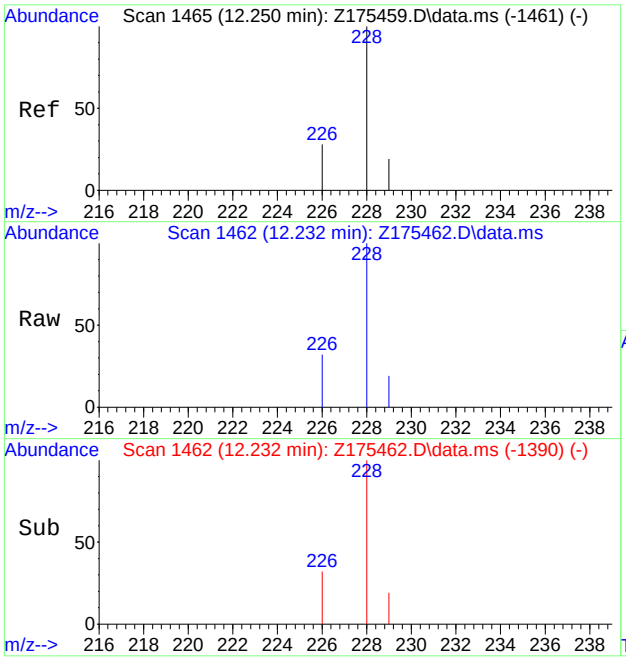


#27
Benzo[a]anthracene
Concen: 2218.71 ppb
RT: 12.180 min Scan# 1453
Delta R.T. -0.017 min
Lab File: Z175462.D
Acq: 10 Sep 2025 4:01 pm

Tgt Ion:228 Resp: 62367

Ion	Ratio	Lower	Upper
228	100		
229	20.4	0.0	49.3
226	25.2	0.0	55.6

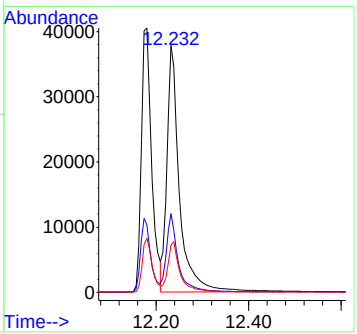


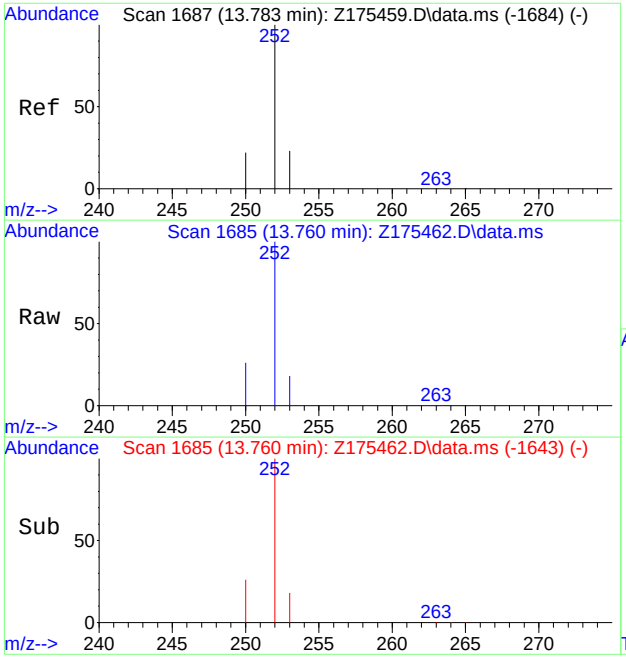


#28
Chrysene
Concen: 1484.47 ppb
RT: 12.232 min Scan# 1462
Delta R.T. -0.017 min
Lab File: Z175462.D
Acq: 10 Sep 2025 4:01 pm

Tgt Ion:228 Resp: 71662

Ion	Ratio	Lower	Upper
228	100		
226	32.0	0.0	58.4
229	19.0	0.0	49.1

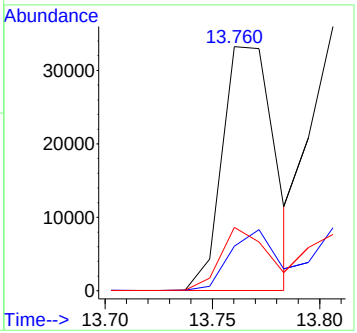


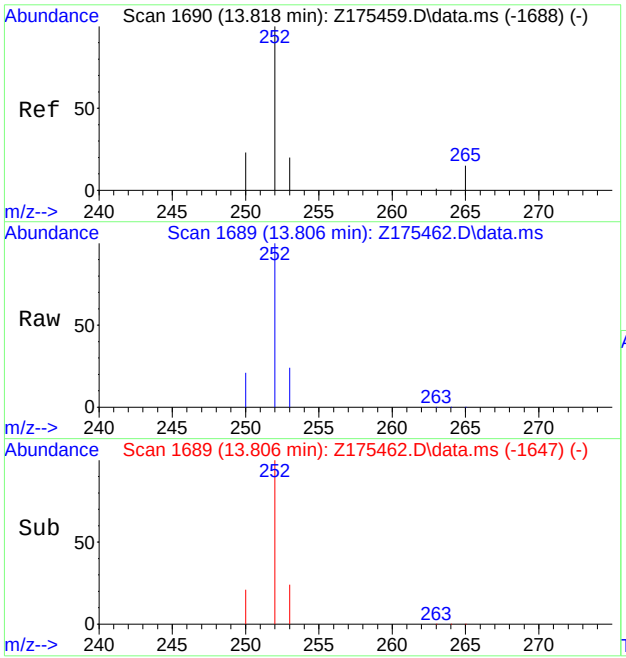


#30
Benzo[b]fluoranthene
Concen: 2355.80 ppb
RT: 13.760 min Scan# 1685
Delta R.T. -0.023 min
Lab File: Z175462.D
Acq: 10 Sep 2025 4:01 pm

Tgt Ion:252 Resp: 56497

Ion	Ratio	Lower	Upper
252	100		
253	16.5	0.0	52.6
250	26.8	0.0	51.9

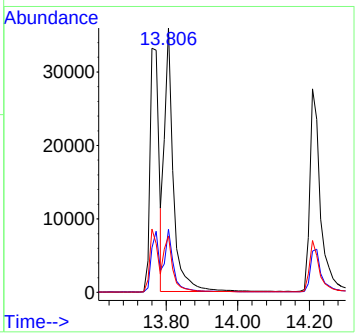


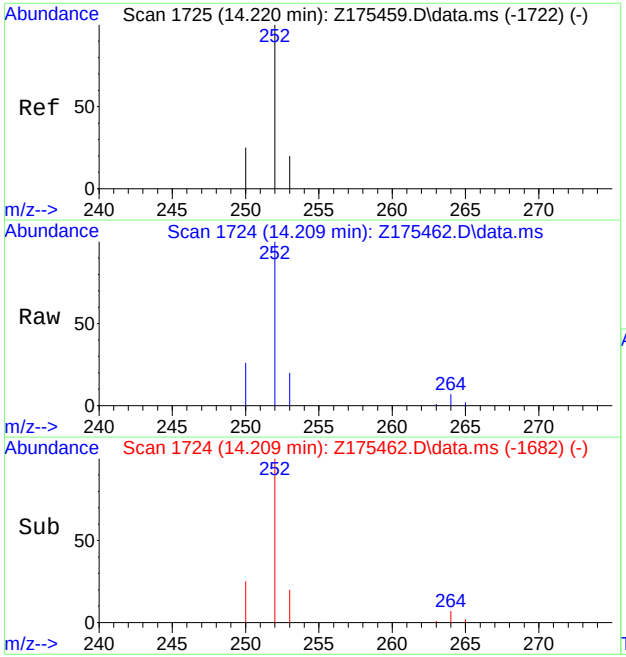


#31
Benzo[k]fluoranthene
Concen: 1636.10 ppb
RT: 13.806 min Scan# 1689
Delta R.T. -0.011 min
Lab File: Z175462.D
Acq: 10 Sep 2025 4:01 pm

Tgt Ion:252 Resp: 61920

Ion	Ratio	Lower	Upper
252	100		
253	23.4	0.0	51.0
250	21.2	0.0	53.1

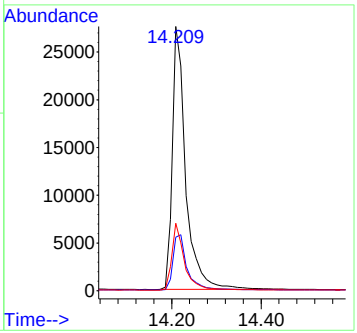


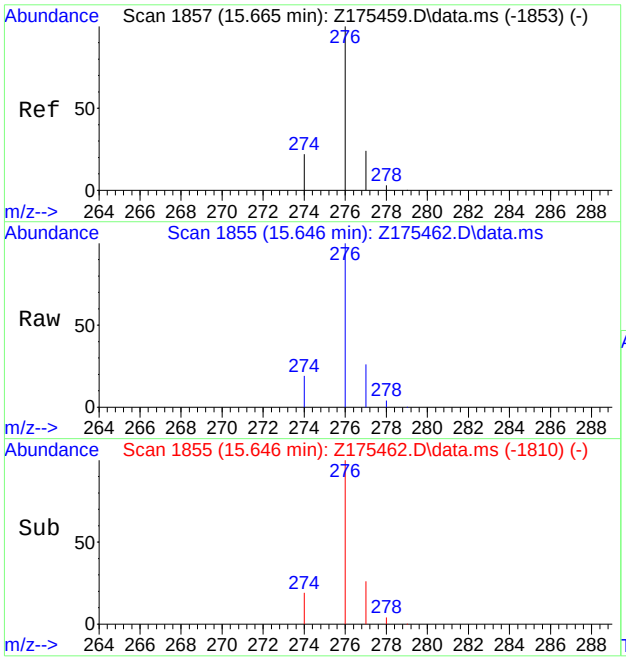


#32
Benzo[a]pyrene
Concen: 1966.41 ppb
RT: 14.209 min Scan# 1724
Delta R.T. -0.011 min
Lab File: Z175462.D
Acq: 10 Sep 2025 4:01 pm

Tgt Ion:252 Resp: 56893

Ion	Ratio	Lower	Upper
252	100		
253	20.0	0.0	50.2
250	25.4	0.0	54.3

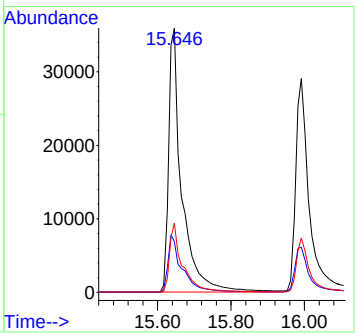


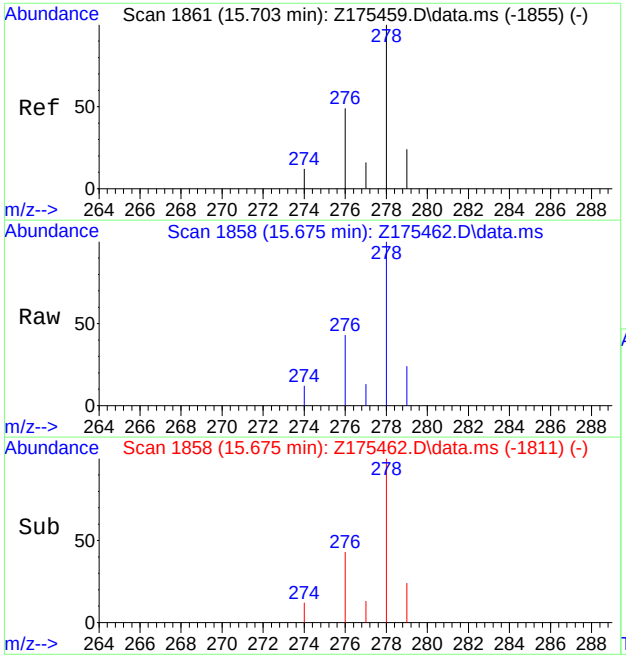


#33
Indeno[1,2,3-cd]pyrene
Concen: 2732.87 ppb
RT: 15.646 min Scan# 1855
Delta R.T. -0.019 min
Lab File: Z175462.D
Acq: 10 Sep 2025 4:01 pm

Tgt Ion:276 Resp: 89471

Ion	Ratio	Lower	Upper
276	100		
274	19.1	0.0	51.7
277	26.1	0.0	53.6

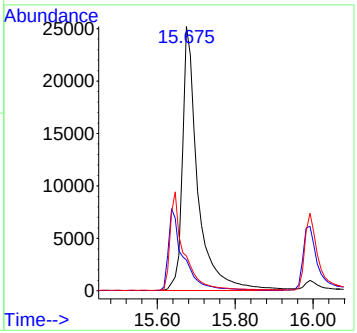


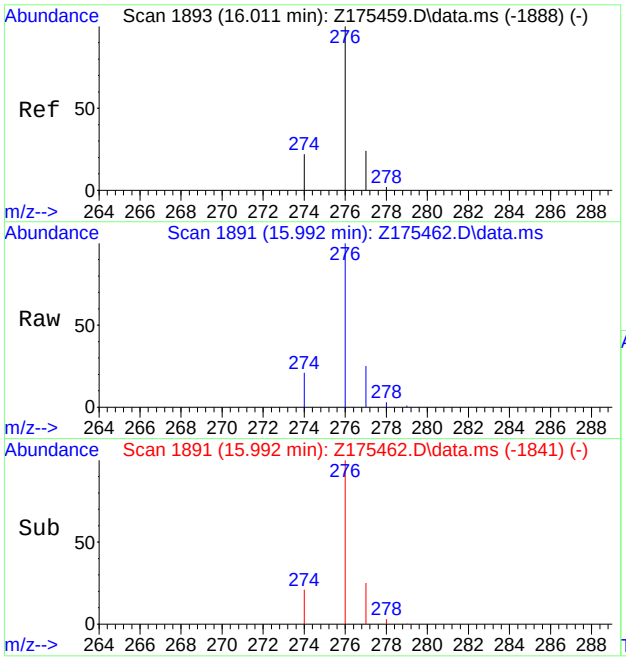


#34
Dibenz[a,h]anthracene
Concen: 2531.71 ppb
RT: 15.675 min Scan# 1858
Delta R.T. -0.029 min
Lab File: Z175462.D
Acq: 10 Sep 2025 4:01 pm

Tgt Ion:278 Resp: 68648

Ion	Ratio	Lower	Upper
278	100		
274	11.5	0.0	44.0
277	13.0	0.0	46.5

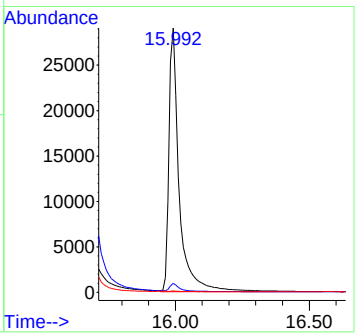




#35
Benzo[g,h,i]perylene
Concen: 2685.71 ppb
RT: 15.992 min Scan# 1891
Delta R.T. -0.019 min
Lab File: Z175462.D
Acq: 10 Sep 2025 4:01 pm

Tgt Ion:276 Resp: 76698

Ion	Ratio	Lower	Upper
276	100		
278	2.9	0.0	32.8
279	0.1	0.0	30.0



Manual Integration Approval Summary

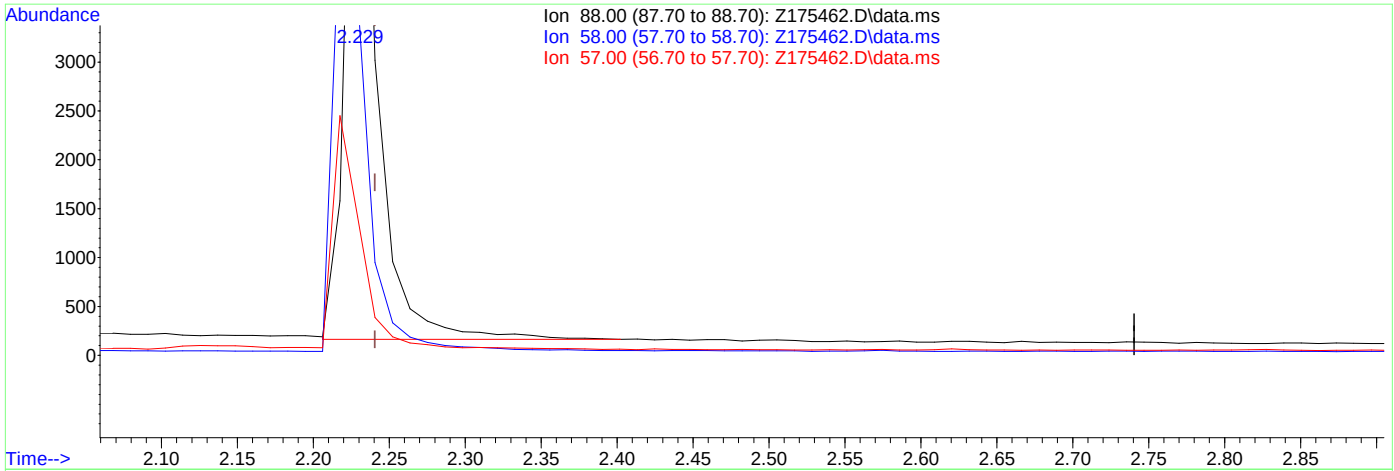
Sample Number:	EZ8654-IC8654	**Method:**	SW846 8270E BY SIM
Lab FileID:	Z175462.D	**Analyst approved:**	09/11/25 12:08 Ying Li
Injection Time:	09/10/25 16:01	**Supervisor approved:**	09/15/25 15:51 Nina Pandya

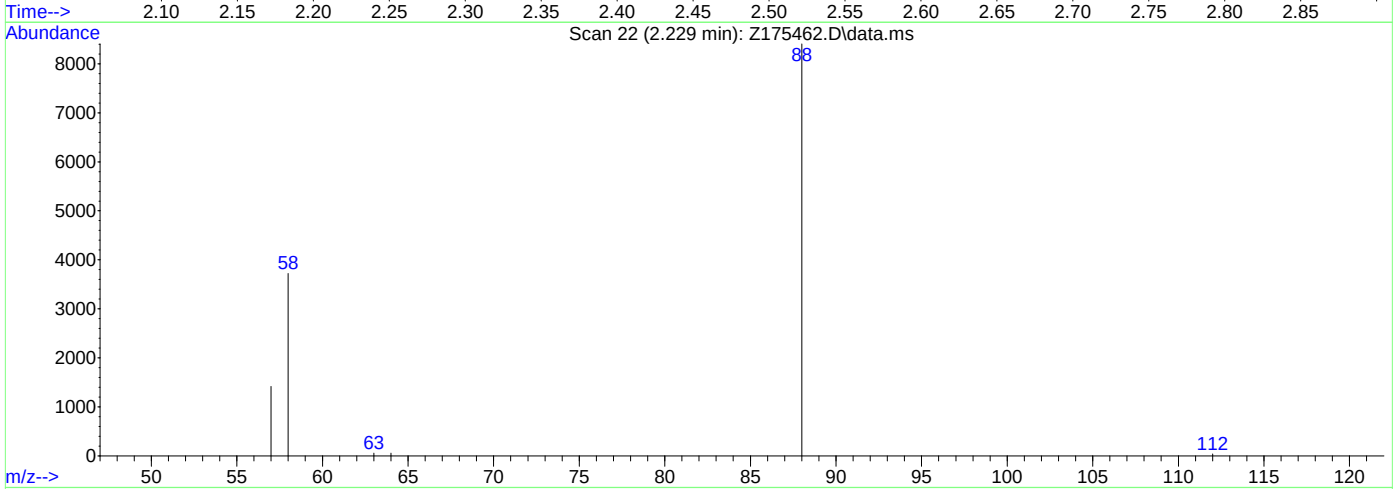
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,4-Dioxane	123-91-1		2.23	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175462.D
Acq On : 10 Sep 2025 4:01 pm
Operator : rocquans
Sample : ic8654-2
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 10 16:29:26 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175462.D\data.ms

(2) 1,4-Dioxane (t)

2.229min (-0.011) 1962.60ppb

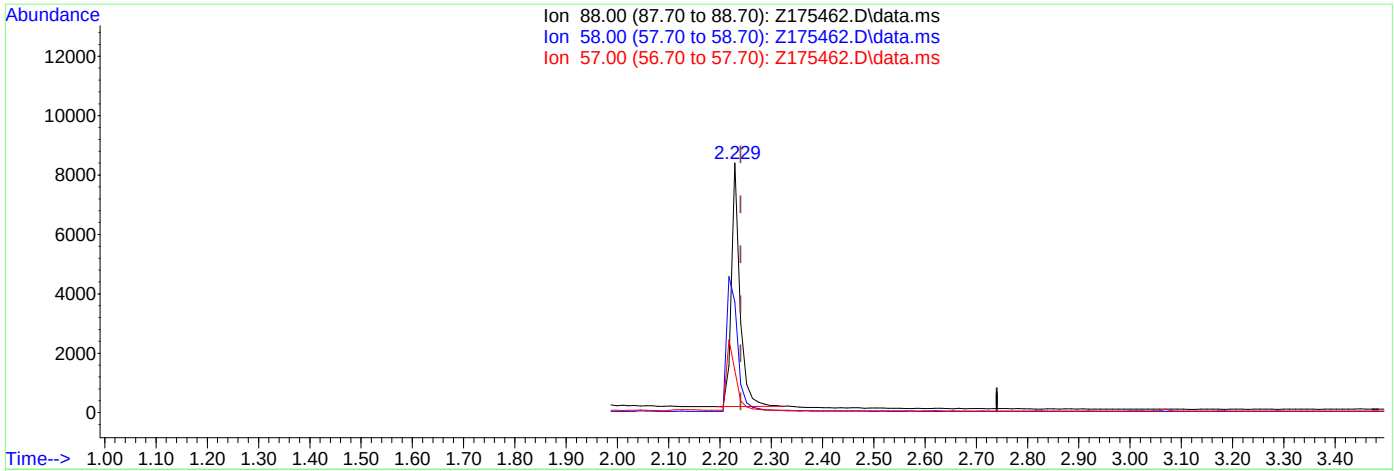
response 9850

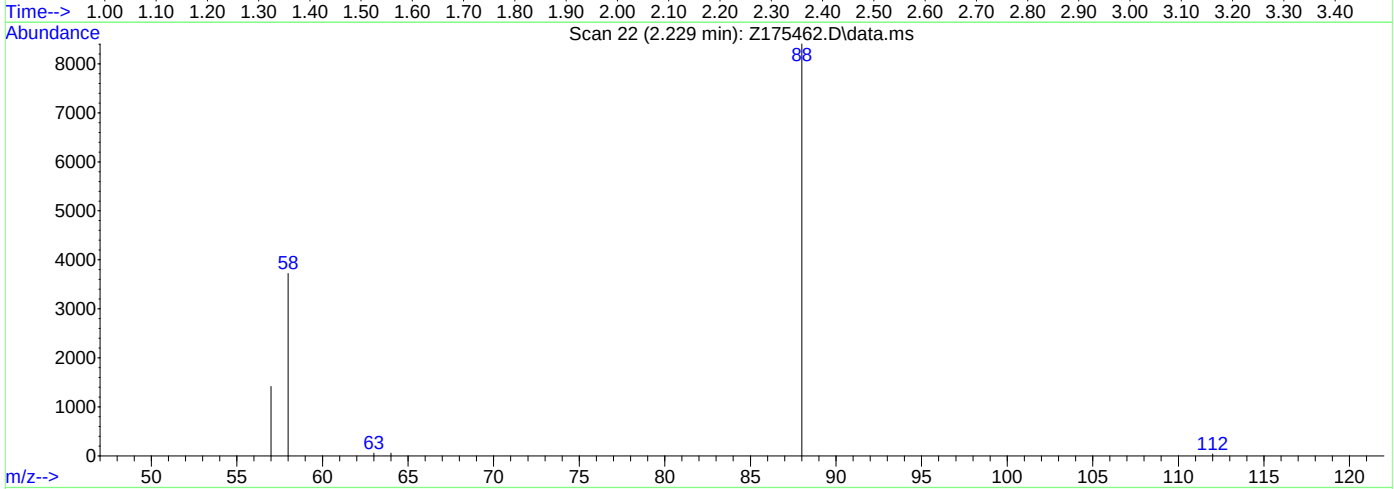
Ion	Exp%	Act%
88.00	100	100
58.00	35.60	44.62
57.00	20.00	16.36
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175462.D
Acq On : 10 Sep 2025 4:01 pm
Operator : rocquans
Sample : ic8654-2
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 10 16:29:26 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175462.D\data.ms

(2) 1,4-Dioxane (t)

2.229min (-0.011) 1880.90ppb m

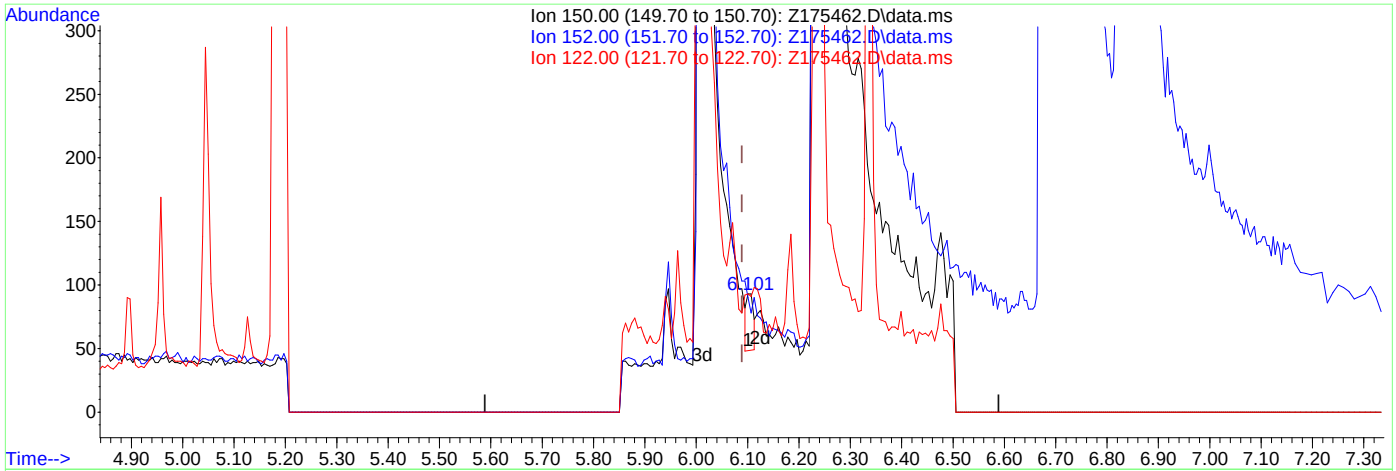
response 9440

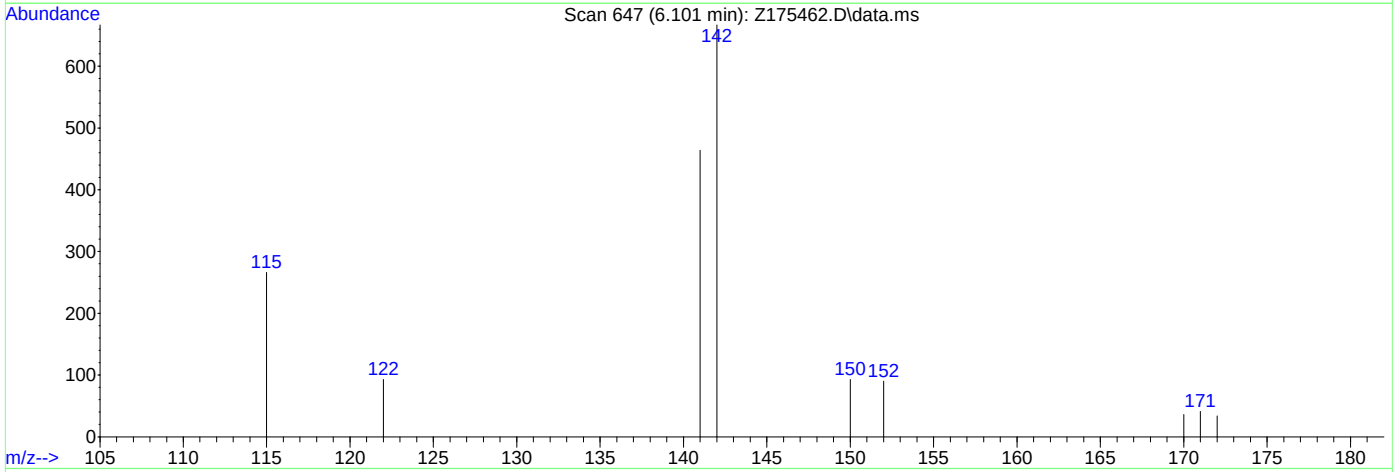
Ion	Exp%	Act%
88.00	100	100
58.00	35.60	44.23
57.00	20.00	16.85
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175462.D
Acq On : 10 Sep 2025 4:01 pm
Operator : rocquans
Sample : ic8654-2
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 10 16:30:26 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175462.D\data.ms

(36) 1-Methylnaphthalene-d10a

6.101min (+0.012) 800.00ppb

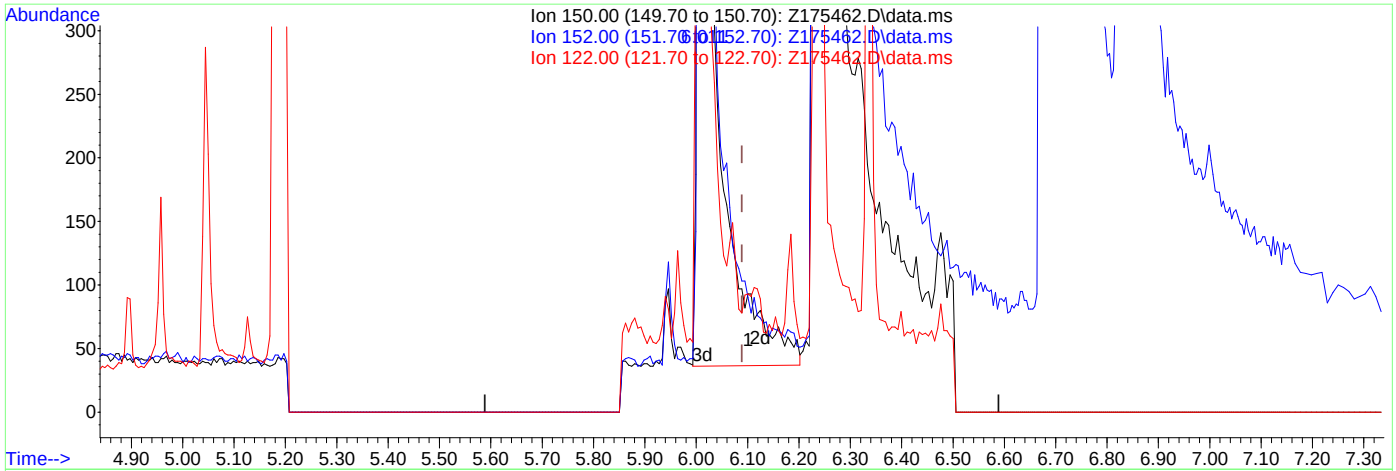
response 41

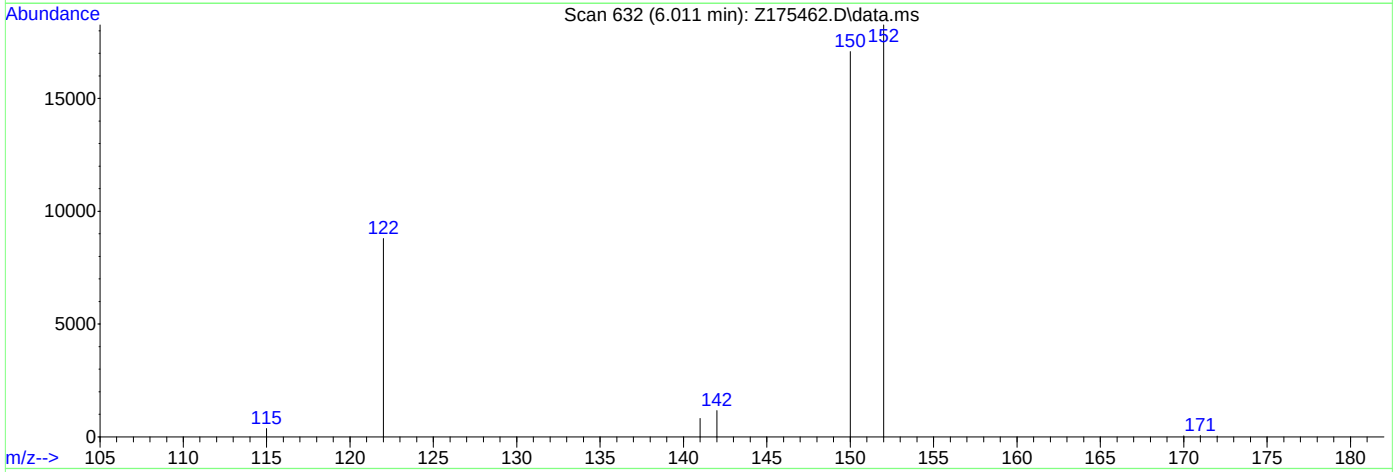
Ion	Exp%	Act%
150.00	100	100
152.00	80.50	0.00#
122.00	40.20	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175462.D
Acq On : 10 Sep 2025 4:01 pm
Operator : rocquans
Sample : ic8654-2
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 10 16:30:26 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175462.D\data.ms

(36) 1-Methylnaphthalene-d10a

6.011min (-0.077) 800.00ppb m

response 12575

Ion	Exp%	Act%
150.00	100	100
152.00	80.50	106.93#
122.00	40.20	51.47
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
09/15/25 15:51

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175464.D
Acq On : 10 Sep 2025 4:51 pm
Operator : rocquans
Sample : icv8654-1
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 11 12:01:46 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Sep 11 12:00:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	6.017	150	11731	800.00	ppb	0.00
12) Fluorene-d10	7.302	176	15411	800.00	ppb	0.00
19) Fluoranthene-d10	10.000	212	25735	800.00	ppb	0.00
29) Benzo(a)pyrene-d12	14.197	264	14985	800.00	ppb	0.00
36) 1-Methylnaphthalene-d10a	6.017	150	11731	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	0.000	112	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
4) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
6) Nitrobenzene-d5	0.000	82	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
13) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
18) 2,4,6-Tribromophenol	0.000	330	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
26) Terphenyl-d14	0.000	244	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
Target Compounds						Qvalue
5) Phenol	4.345	94	11172m	1167.63	ppb	
17) 4,6-dinitro-2-methylph...	7.417	198	2935	1166.24	ppb	91

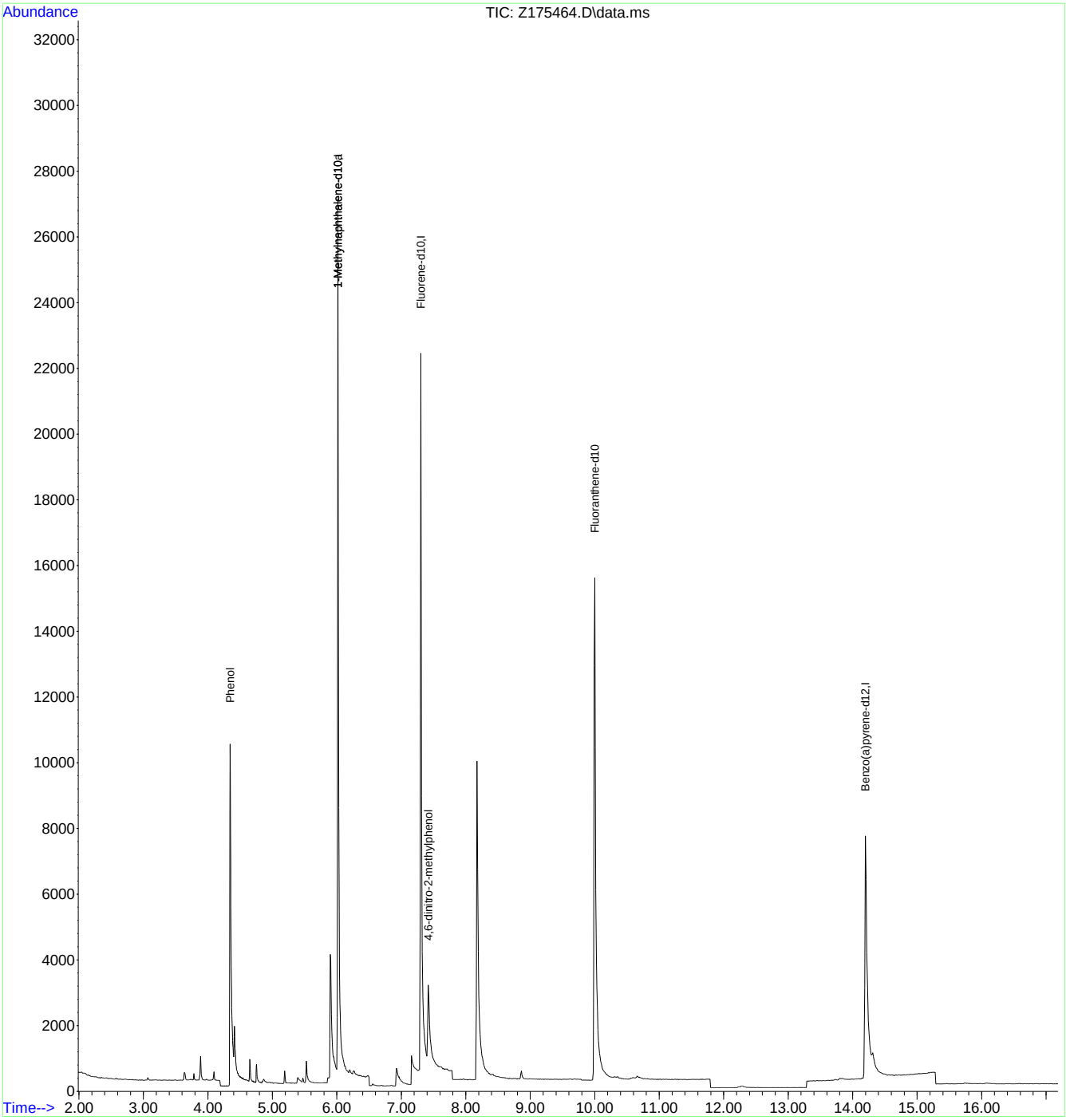
(#) = qualifier out of range (m) = manual integration (+) = signals summed

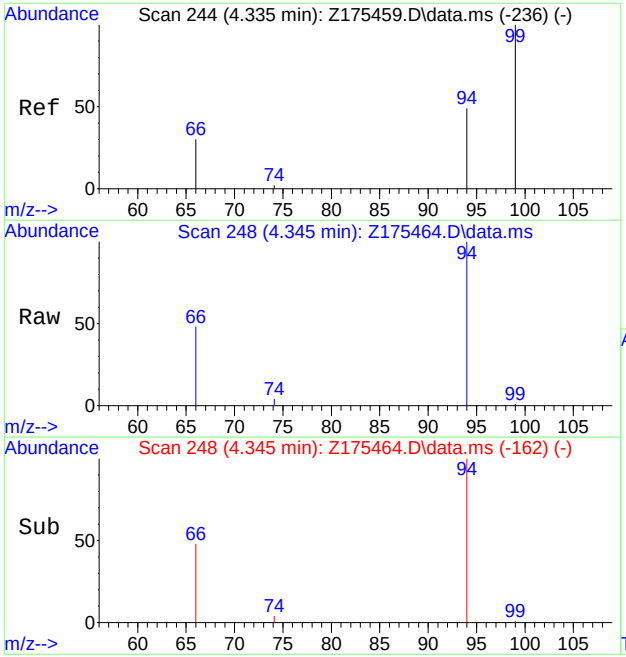
9.6.25
9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175464.D
Acq On : 10 Sep 2025 4:51 pm
Operator : rocquans
Sample : icv8654-1
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 11 12:01:46 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Sep 11 12:00:16 2025
Response via : Initial Calibration

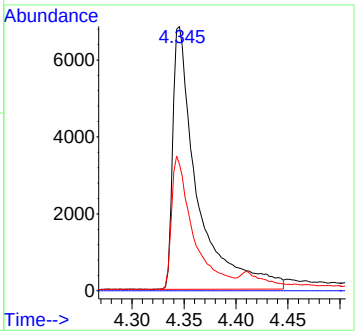


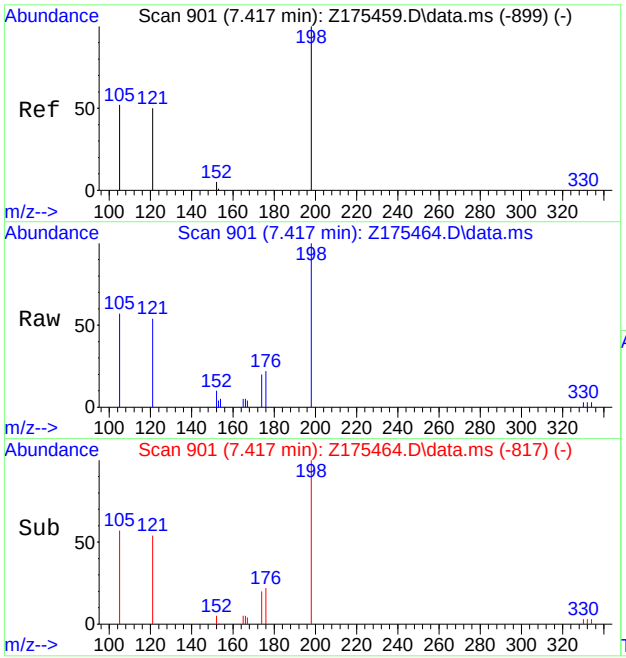


#5
Phenol
Concen: 1167.63 ppb m
RT: 4.345 min Scan# 248
Delta R.T. 0.011 min
Lab File: Z175464.D
Acq: 10 Sep 2025 4:51 pm

Tgt Ion: 94 Resp: 11172

Ion	Ratio	Lower	Upper
94	100		
65	0.0	0.0	0.0
66	47.9	49.8	74.8#

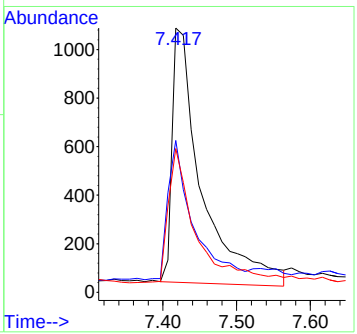




#17
4,6-dinitro-2-methylphenol
Concen: 1166.24 ppb
RT: 7.417 min Scan# 901
Delta R.T. -0.000 min
Lab File: Z175464.D
Acq: 10 Sep 2025 4:51 pm

Tgt Ion:198 Resp: 2935

Ion	Ratio	Lower	Upper
198	100		
105	54.6	25.6	65.6
121	52.8	29.8	69.8



9.6.25

9

Manual Integration Approval Summary

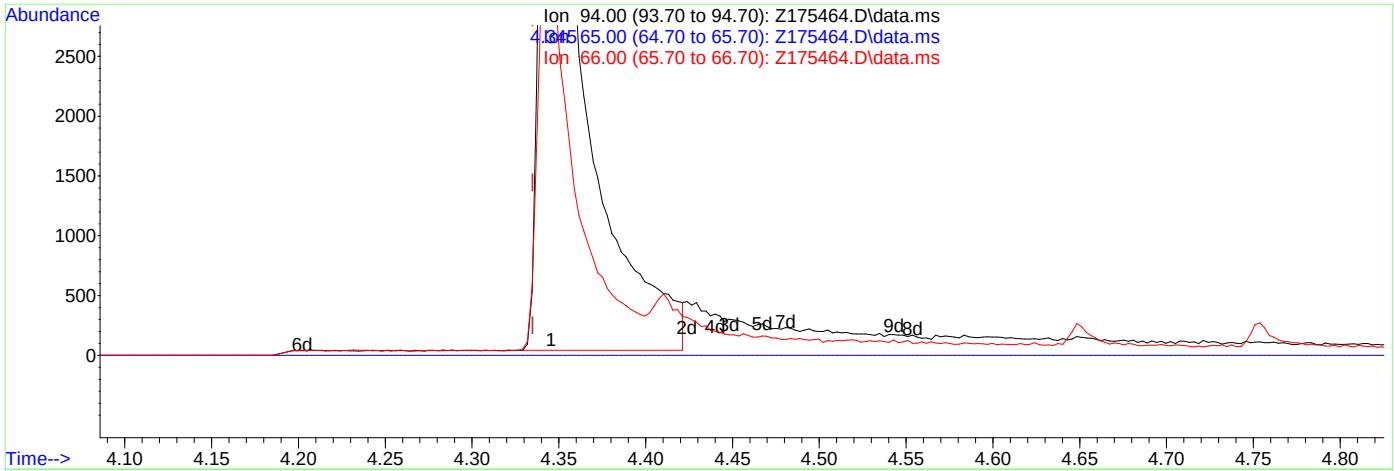
Sample Number:	EZ8654-ICV8654	**Method:**	SW846 8270E BY SIM
Lab FileID:	Z175464.D	**Analyst approved:**	09/11/25 12:08 Ying Li
Injection Time:	09/10/25 16:51	**Supervisor approved:**	09/15/25 15:51 Nina Pandya

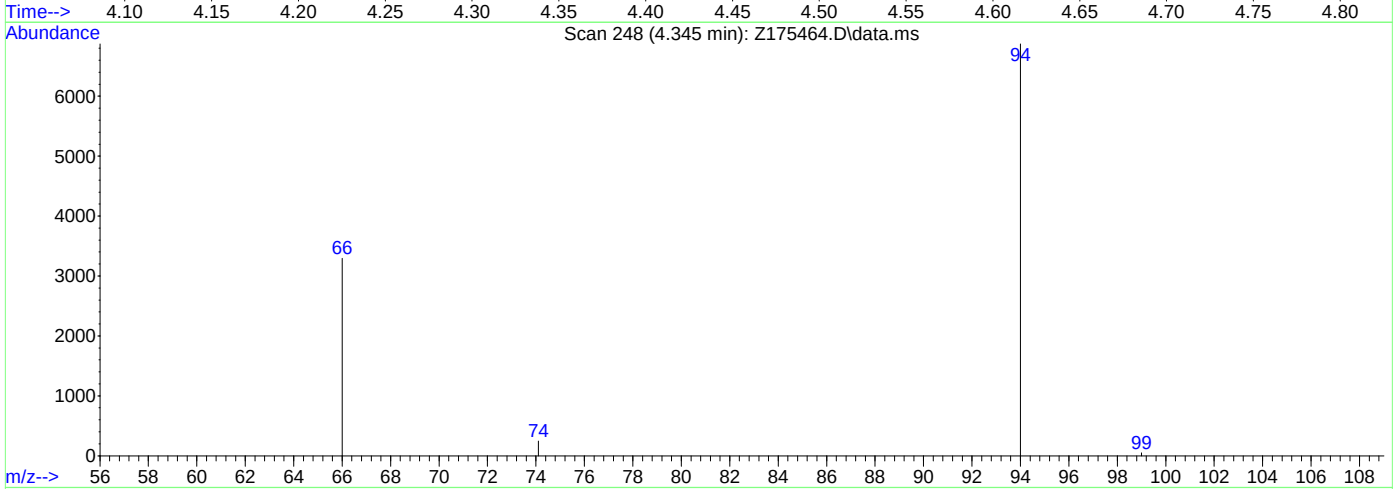
Parameter	CAS	Sig#	R.T. (min.)	Reason
Phenol	108-95-2		4.35	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175464.D
Acq On : 10 Sep 2025 4:51 pm
Operator : rocquans
Sample : icv8654-1
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 11 11:32:06 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Sep 11 11:26:20 2025
Response via : Initial Calibration





TIC: Z175464.D\data.ms

(5) Phenol

4.345min (+0.010) 1117.56ppb

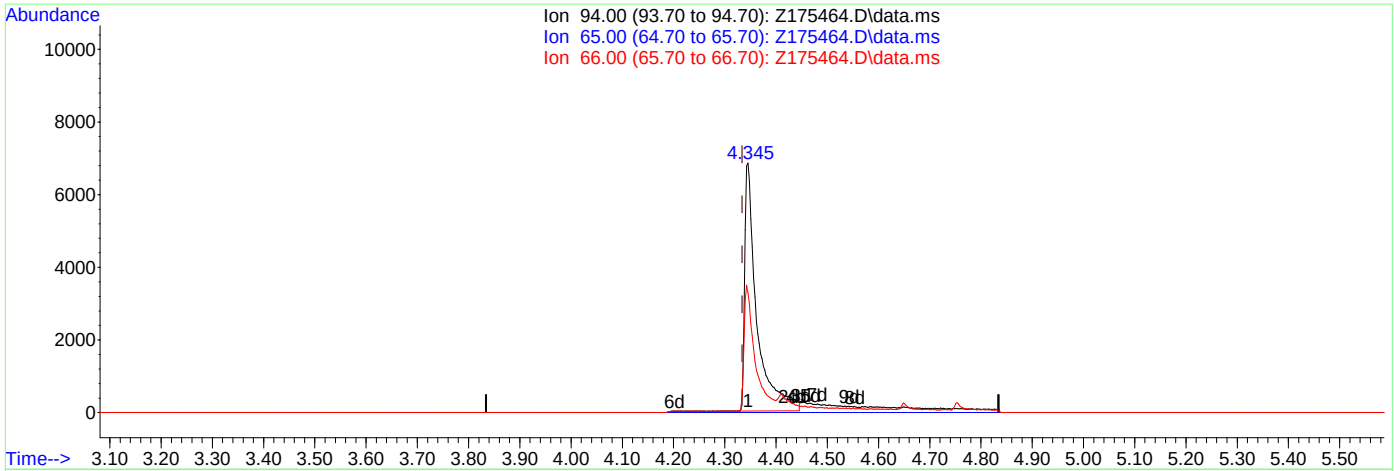
response 10693

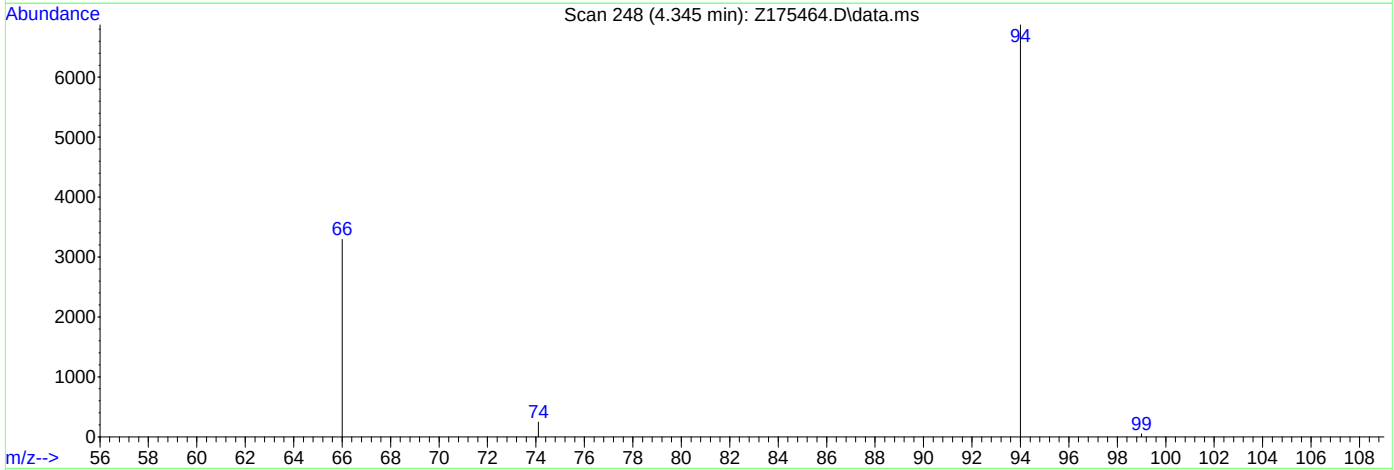
Ion	Exp%	Act%
94.00	100	100
65.00	0.00	0.00
66.00	62.30	46.85#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175464.D
Acq On : 10 Sep 2025 4:51 pm
Operator : rocquans
Sample : icv8654-1
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 11 12:00:41 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Sep 11 12:00:16 2025
Response via : Initial Calibration





TIC: Z175464.D\data.ms

(5) Phenol

4.345min (+0.011) 1167.63ppb m

response 11172

Ion	Exp%	Act%
94.00	100	100
65.00	0.00	0.00
66.00	62.30	47.92#
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
09/15/25 15:51

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175466.D
Acq On : 10 Sep 2025 5:41 pm
Operator : rocquans
Sample : icv8654-0.2
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 11 12:03:05 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Sep 11 12:00:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	6.011	150	10302	800.00	ppb	0.00
12) Fluorene-d10	7.302	176	14605	800.00	ppb	0.00
19) Fluoranthene-d10	10.000	212	24063	800.00	ppb	0.00
29) Benzo(a)pyrene-d12	14.197	264	15693	800.00	ppb	0.00
36) 1-Methylnaphthalene-d10a	6.011	150	10302	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	0.000	112	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
4) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
6) Nitrobenzene-d5	0.000	82	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
13) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
18) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
26) Terphenyl-d14	0.000	244	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.195	88	911m	229.81	ppb	
7) Naphthalene	5.472	128	6250	220.35	ppb	99
8) Hexachlorobutadiene	5.550	225	1567	211.59	ppb	94
9) 2-Methylnaphthalene	5.976	141	2802	171.01	ppb	91
10) 1-Methylnaphthalene	6.041	141	3837	221.13	ppb	95
14) Acenaphthylene	6.692	152	5809	202.39	ppb	100
15) Acenaphthene	6.841	153	4114	198.86	ppb	94
16) Fluorene	7.334	166	4631	209.00	ppb	94
20) Hexachlorobenzene	7.930	284	1664	194.29	ppb	95
22) Phenanthrene	8.426	178	5724	193.33	ppb	98
23) Anthracene	8.494	178	7597	201.79	ppb	99
24) Fluoranthene	10.025	202	7136	190.83	ppb	96
25) Pyrene	10.353	202	7473	193.69	ppb	97
27) Benzo[a]anthracene	12.198	228	4493	177.00	ppb	97
28) Chrysene	12.250	228	8210	208.34	ppb	98
30) Benzo[b]fluoranthene	13.783	252	5205	199.68	ppb	98
31) Benzo[k]fluoranthene	13.818	252	7047	223.02	ppb	99
32) Benzo[a]pyrene	14.220	252	5524	197.61	ppb	99
33) Indeno[1,2,3-cd]pyrene	15.665	276	6729	201.58	ppb	98
34) Dibenz[a,h]anthracene	15.703	278	5496	205.72	ppb	98
35) Benzo[g,h,i]perylene	16.011	276	5550	198.92	ppb	100

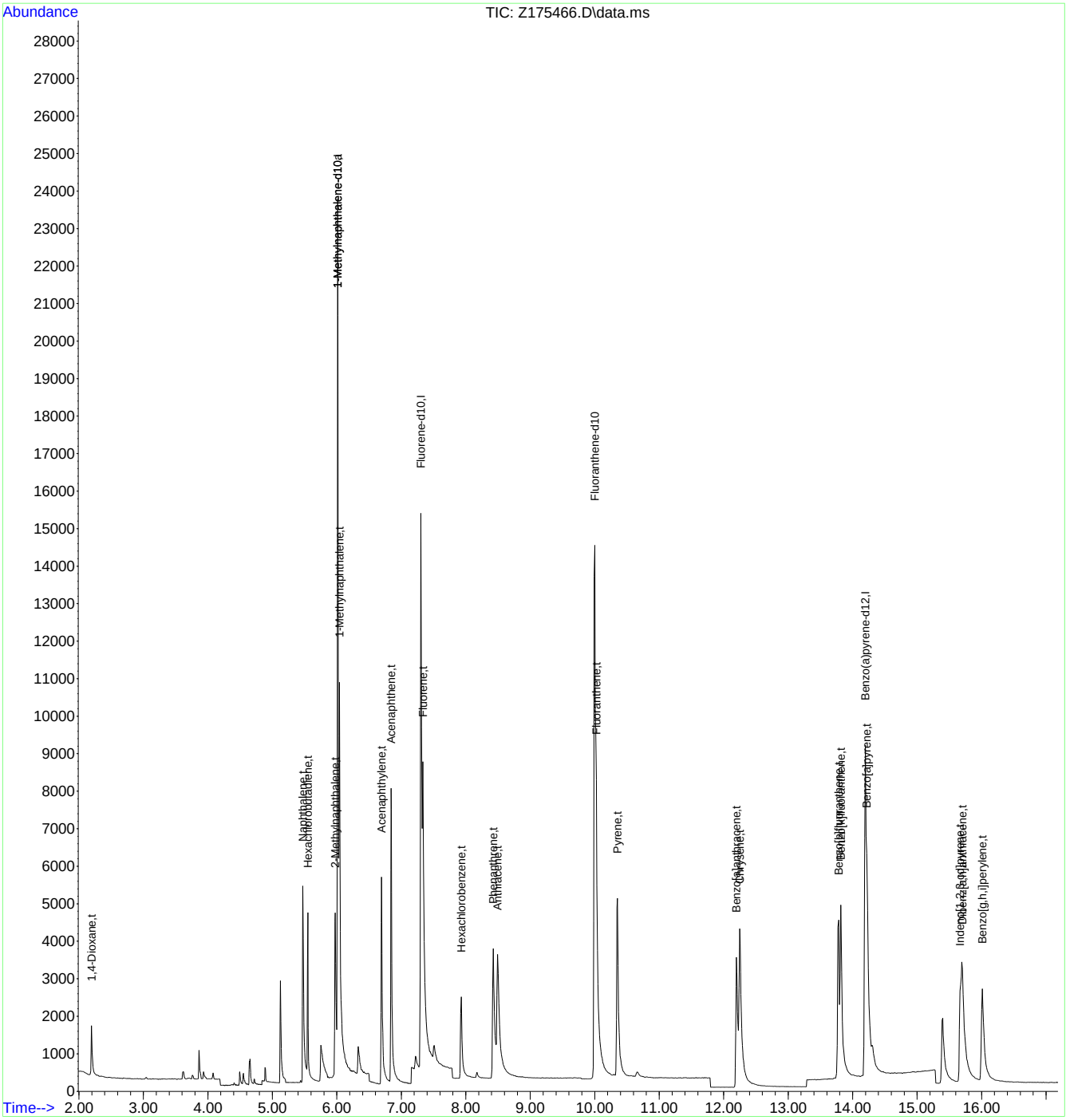
(#) = qualifier out of range (m) = manual integration (+) = signals summed

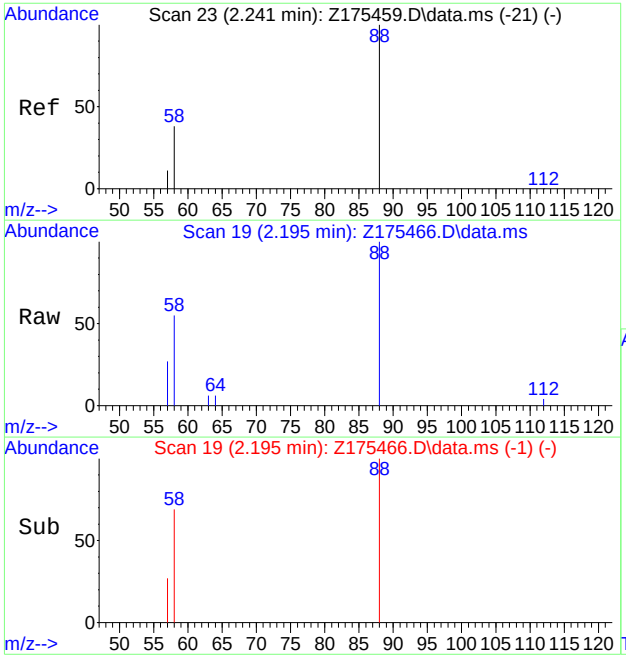
9.6.26
9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175466.D
Acq On : 10 Sep 2025 5:41 pm
Operator : rocquans
Sample : icv8654-0.2
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 11 12:03:05 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Sep 11 12:00:16 2025
Response via : Initial Calibration

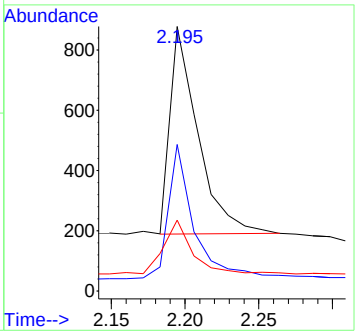


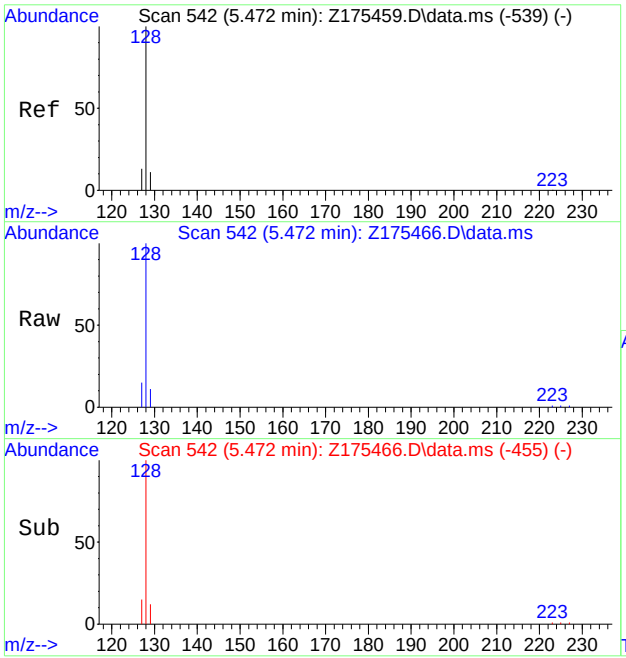


#2
1,4-Dioxane
Concen: 229.81 ppb m
RT: 2.195 min Scan# 19
Delta R.T. -0.046 min
Lab File: Z175466.D
Acq: 10 Sep 2025 5:41 pm

Tgt Ion: 88 Resp: 911

Ion	Ratio	Lower	Upper
88	100		
58	55.4	15.6	55.6
57	26.7	0.0	40.0

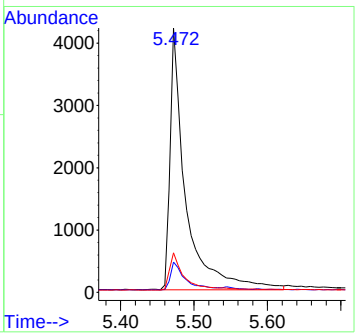


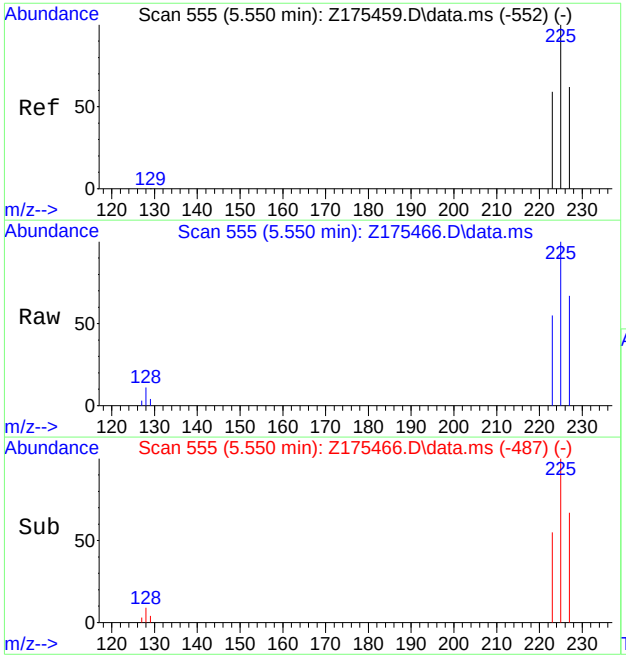


#7
Naphthalene
Concen: 220.35 ppb
RT: 5.472 min Scan# 542
Delta R.T. 0.000 min
Lab File: Z175466.D
Acq: 10 Sep 2025 5:41 pm

Tgt Ion:128 Resp: 6250

Ion	Ratio	Lower	Upper
128	100		
129	10.6	0.0	40.6
127	14.2	0.0	43.3

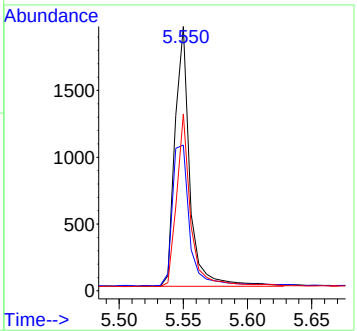


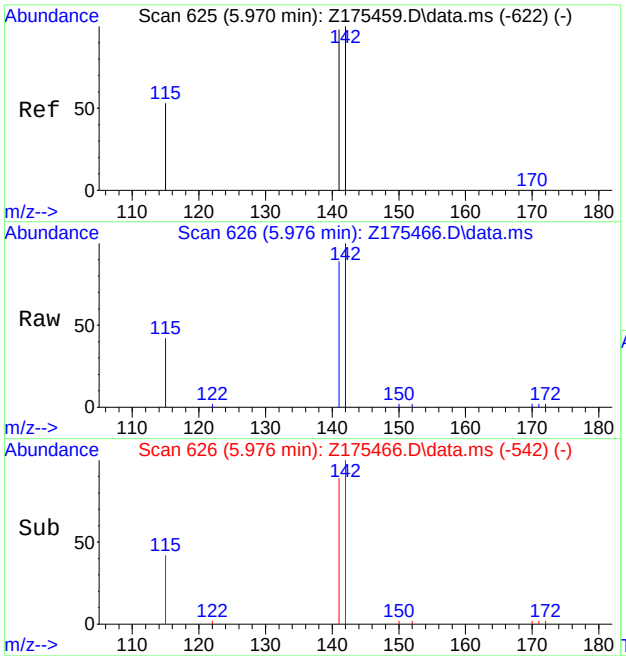


#8
Hexachlorobutadiene
Concen: 211.59 ppb
RT: 5.550 min Scan# 555
Delta R.T. 0.000 min
Lab File: Z175466.D
Acq: 10 Sep 2025 5:41 pm

Tgt Ion:225 Resp: 1567

Ion	Ratio	Lower	Upper
225	100		
223	54.0	29.0	89.0
227	66.3	32.1	92.1

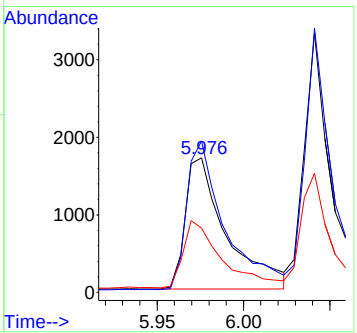


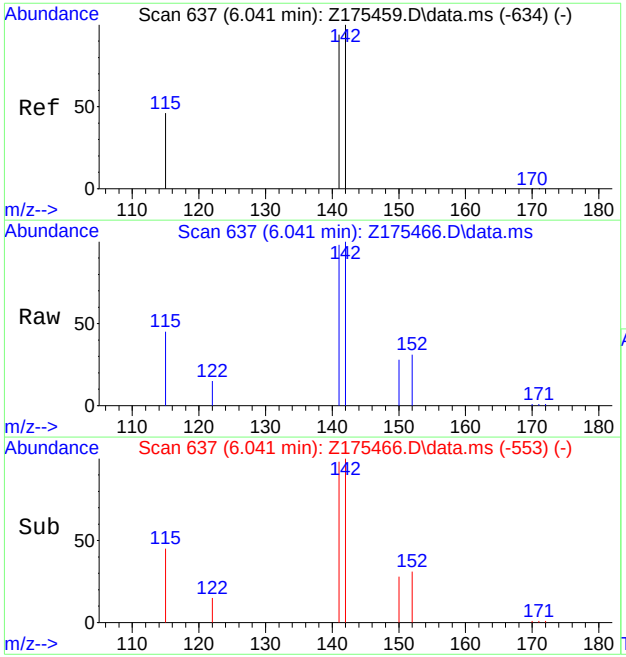


#9
2-Methylnaphthalene
Concen: 171.01 ppb
RT: 5.976 min Scan# 626
Delta R.T. 0.006 min
Lab File: Z175466.D
Acq: 10 Sep 2025 5:41 pm

Tgt Ion:141 Resp: 2802

Ion	Ratio	Lower	Upper
141	100		
142	115.1	77.1	137.1
115	45.5	24.3	84.3

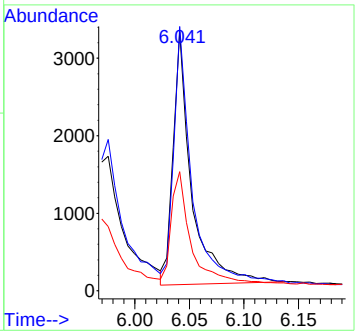


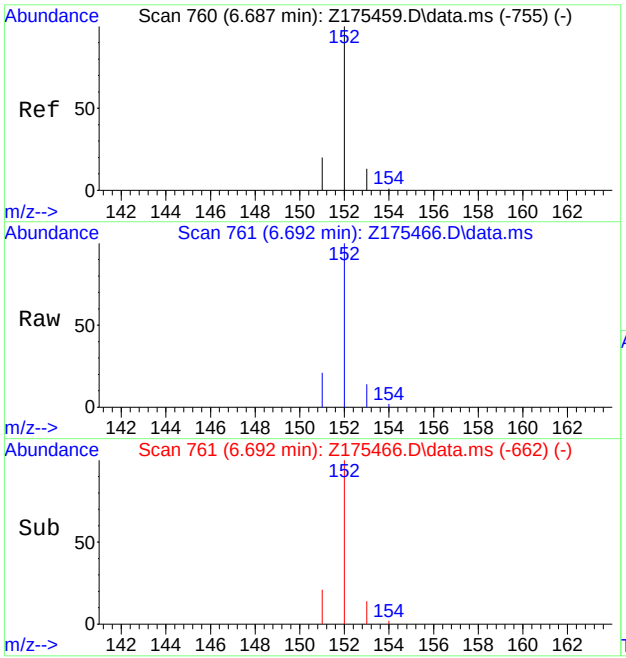


#10
1-Methylnaphthalene
Concen: 221.13 ppb
RT: 6.041 min Scan# 637
Delta R.T. 0.000 min
Lab File: Z175466.D
Acq: 10 Sep 2025 5:41 pm

Tgt Ion:141 Resp: 3837

Ion	Ratio	Lower	Upper
141	100		
142	102.6	77.6	137.6
115	44.7	19.1	79.1

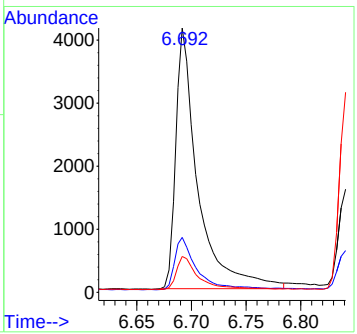


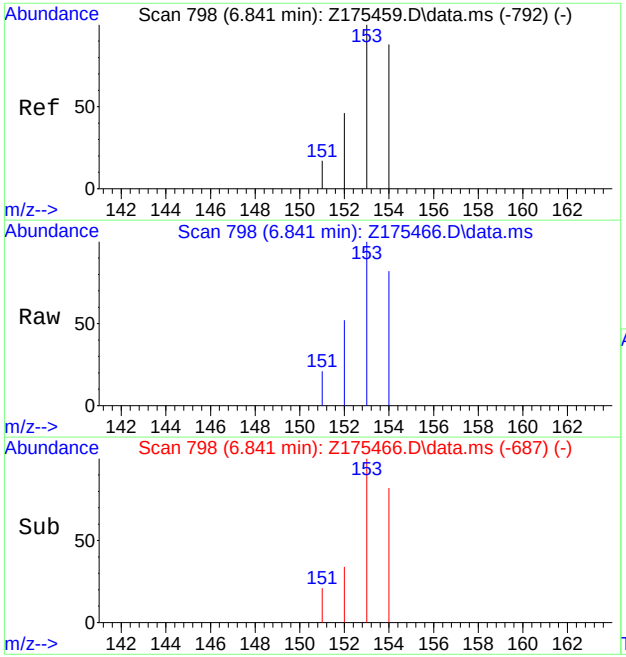


#14
Acenaphthylene
Concen: 202.39 ppb
RT: 6.692 min Scan# 761
Delta R.T. 0.004 min
Lab File: Z175466.D
Acq: 10 Sep 2025 5:41 pm

Tgt Ion:152 Resp: 5809

Ion	Ratio	Lower	Upper
152	100		
151	20.1	0.0	50.1
153	12.7	0.0	42.6

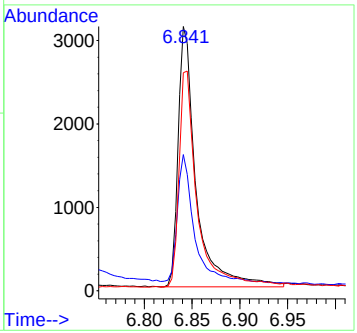


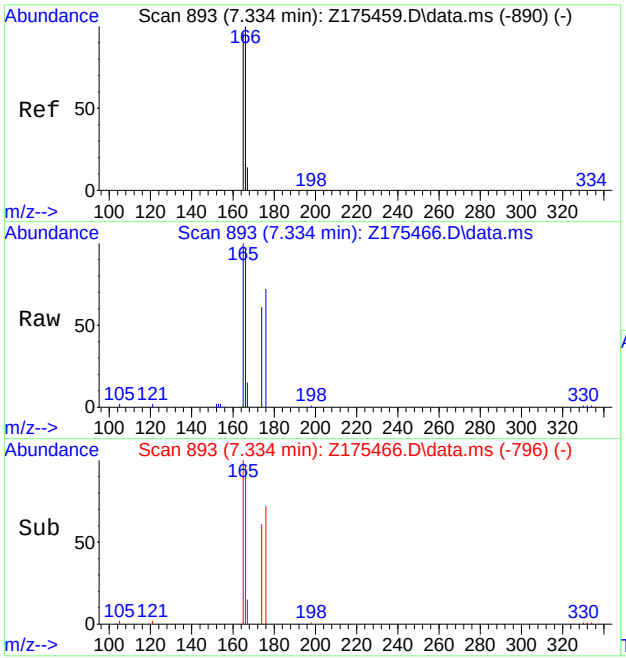


#15
Acenaphthene
Concen: 198.86 ppb
RT: 6.841 min Scan# 798
Delta R.T. 0.000 min
Lab File: Z175466.D
Acq: 10 Sep 2025 5:41 pm

Tgt Ion:153 Resp: 4114

Ion	Ratio	Lower	Upper
153	100		
152	49.3	16.6	76.6
154	82.0	57.9	117.9

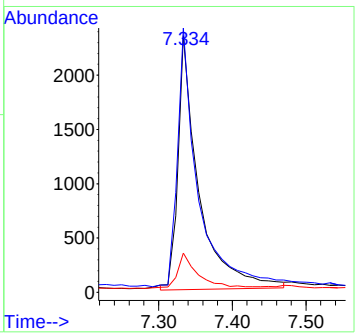


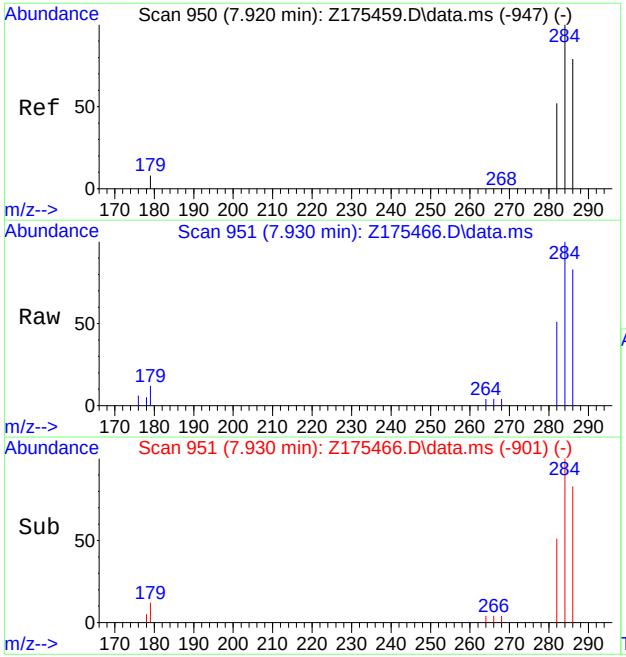


#16
Fluorene
Concen: 209.00 ppb
RT: 7.334 min Scan# 893
Delta R.T. 0.000 min
Lab File: Z175466.D
Acq: 10 Sep 2025 5:41 pm

Tgt Ion:166 Resp: 4631

Ion	Ratio	Lower	Upper
166	100		
165	102.7	65.8	125.8
167	13.4	0.0	43.5

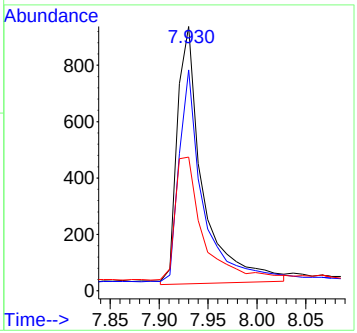


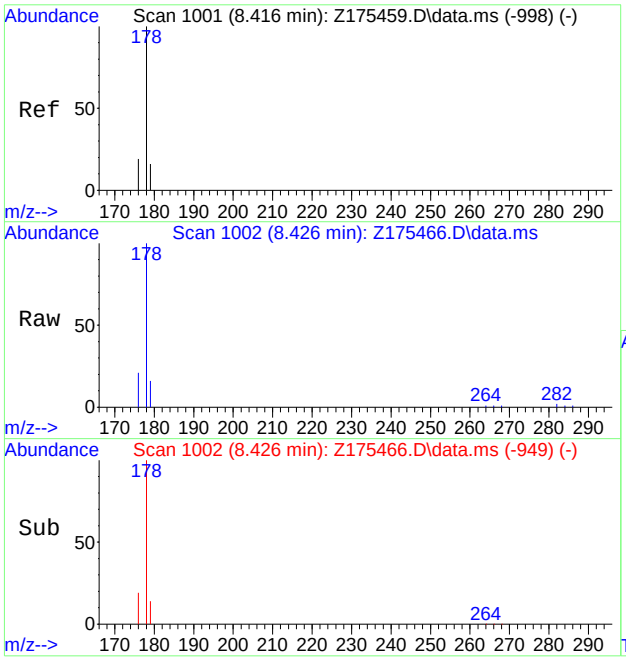


#20
Hexachlorobenzene
Concen: 194.29 ppb
RT: 7.930 min Scan# 951
Delta R.T. 0.010 min
Lab File: Z175466.D
Acq: 10 Sep 2025 5:41 pm

Tgt Ion:284 Resp: 1664

Ion	Ratio	Lower	Upper
284	100		
286	82.8	48.9	108.9
282	47.8	22.1	82.1

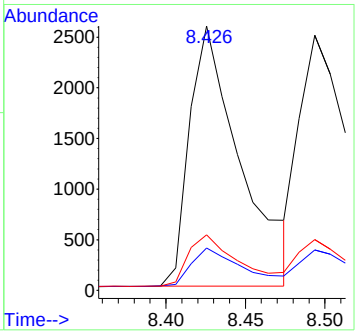


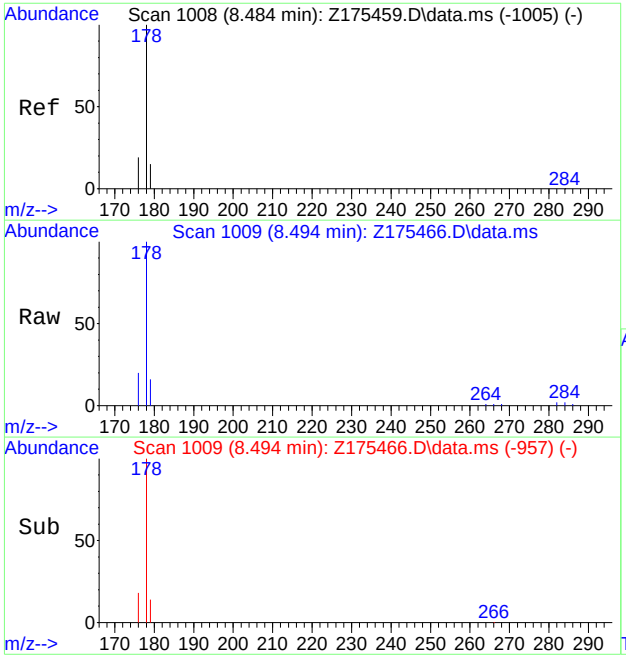


#22
Phenanthrene
Concen: 193.33 ppb
RT: 8.426 min Scan# 1002
Delta R.T. 0.010 min
Lab File: Z175466.D
Acq: 10 Sep 2025 5:41 pm

Tgt Ion:178 Resp: 5724

Ion	Ratio	Lower	Upper
178	100		
179	14.6	0.0	45.6
176	19.5	0.0	48.6

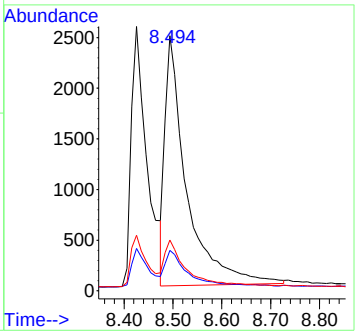


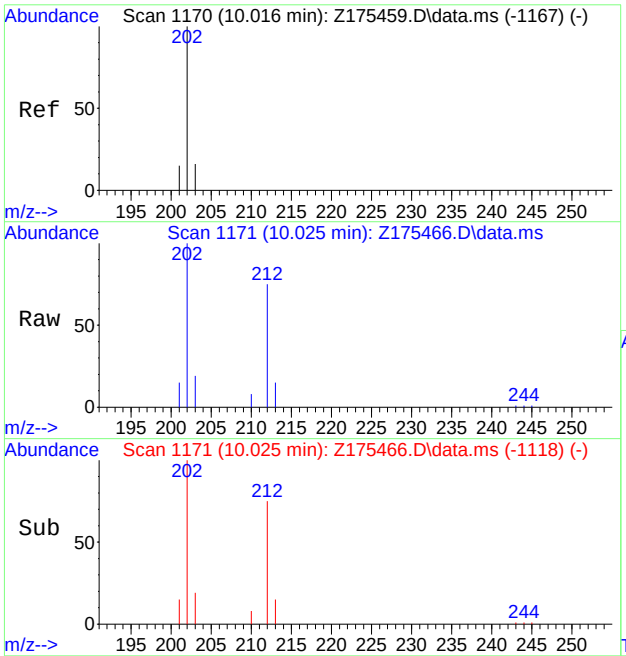


#23
Anthracene
Concen: 201.79 ppb
RT: 8.494 min Scan# 1009
Delta R.T. 0.010 min
Lab File: Z175466.D
Acq: 10 Sep 2025 5:41 pm

Tgt Ion:178 Resp: 7597

Ion	Ratio	Lower	Upper
178	100		
179	14.1	0.0	44.8
176	18.1	0.0	48.7

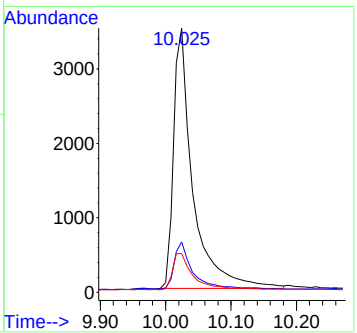


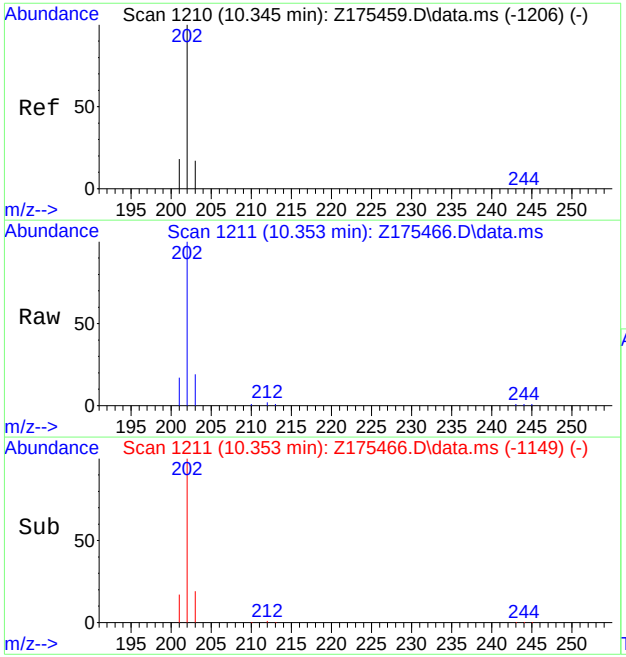


#24
Fluoranthene
Concen: 190.83 ppb
RT: 10.025 min Scan# 1171
Delta R.T. 0.008 min
Lab File: Z175466.D
Acq: 10 Sep 2025 5:41 pm

Tgt Ion:202 Resp: 7136

Ion	Ratio	Lower	Upper
202	100		
203	18.1	0.0	46.4
201	13.8	0.0	45.1

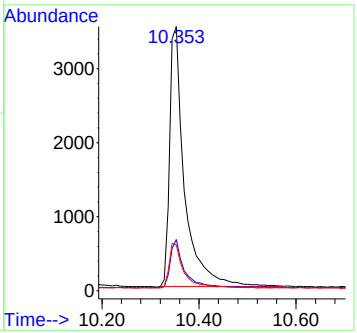


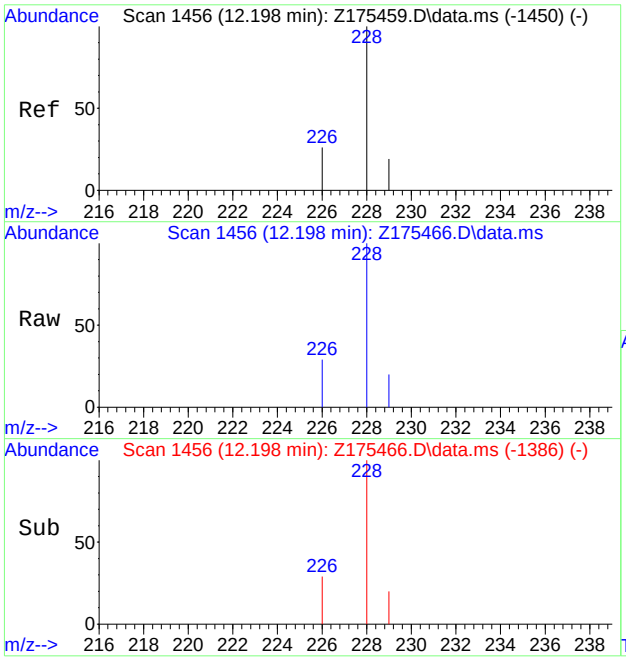


#25
Pyrene
Concen: 193.69 ppb
RT: 10.353 min Scan# 1211
Delta R.T. 0.008 min
Lab File: Z175466.D
Acq: 10 Sep 2025 5:41 pm

Tgt Ion:202 Resp: 7473

Ion	Ratio	Lower	Upper
202	100		
203	18.6	0.0	47.4
201	16.4	0.0	47.8

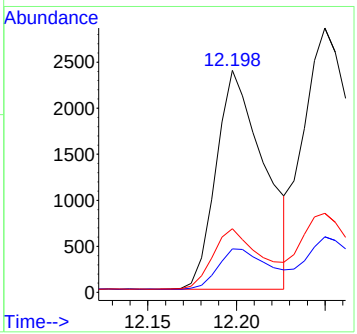


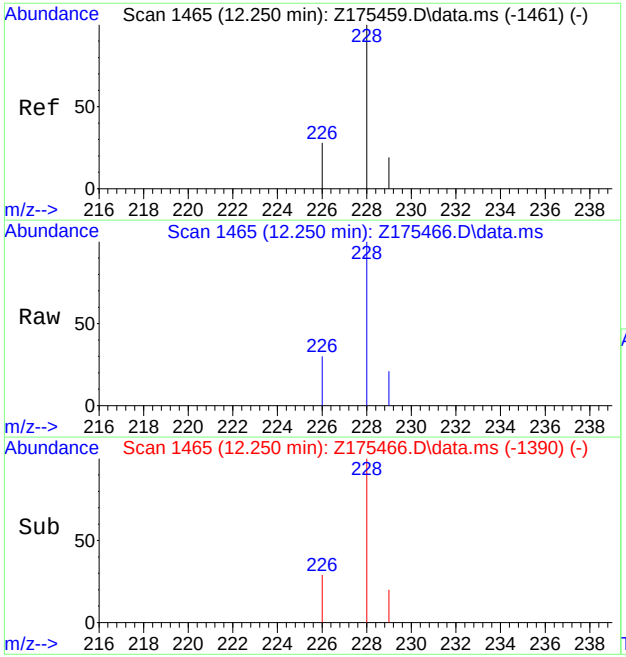


#27
Benzo[a]anthracene
Concen: 177.00 ppb
RT: 12.198 min Scan# 1456
Delta R.T. 0.000 min
Lab File: Z175466.D
Acq: 10 Sep 2025 5:41 pm

Tgt Ion:228 Resp: 4493

Ion	Ratio	Lower	Upper
228	100		
229	17.9	0.0	49.3
226	27.2	0.0	55.6

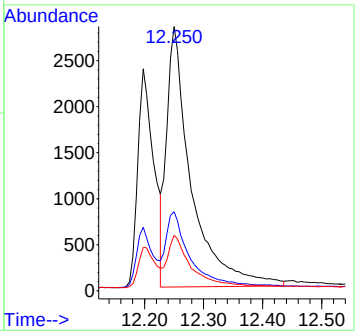


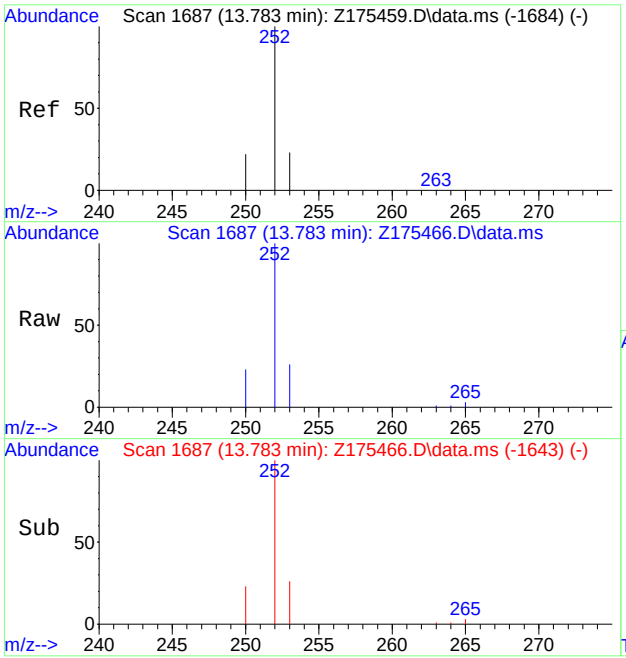


#28
Chrysene
Concen: 208.34 ppb
RT: 12.250 min Scan# 1465
Delta R.T. 0.000 min
Lab File: Z175466.D
Acq: 10 Sep 2025 5:41 pm

Tgt Ion:228 Resp: 8210

Ion	Ratio	Lower	Upper
228	100		
226	29.2	0.0	58.4
229	19.9	0.0	49.1

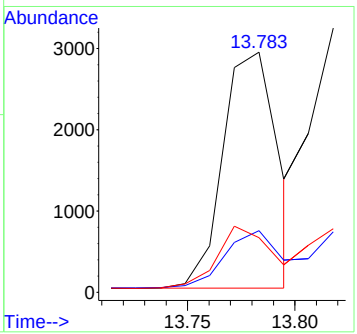


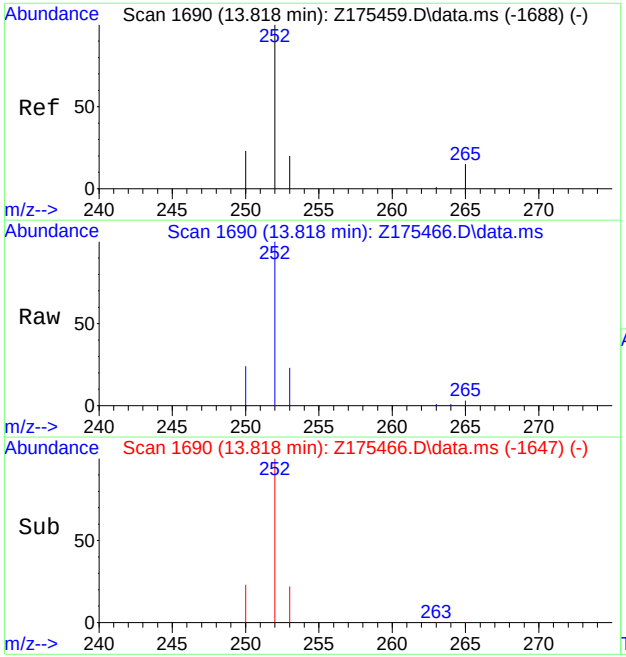


#30
Benzo[b]fluoranthene
Concen: 199.68 ppb
RT: 13.783 min Scan# 1687
Delta R.T. 0.000 min
Lab File: Z175466.D
Acq: 10 Sep 2025 5:41 pm

Tgt Ion:252 Resp: 5205

Ion	Ratio	Lower	Upper
252	100		
253	23.8	0.0	52.6
250	21.2	0.0	51.9

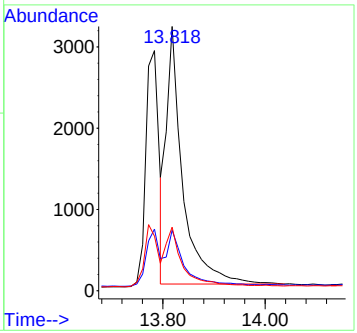


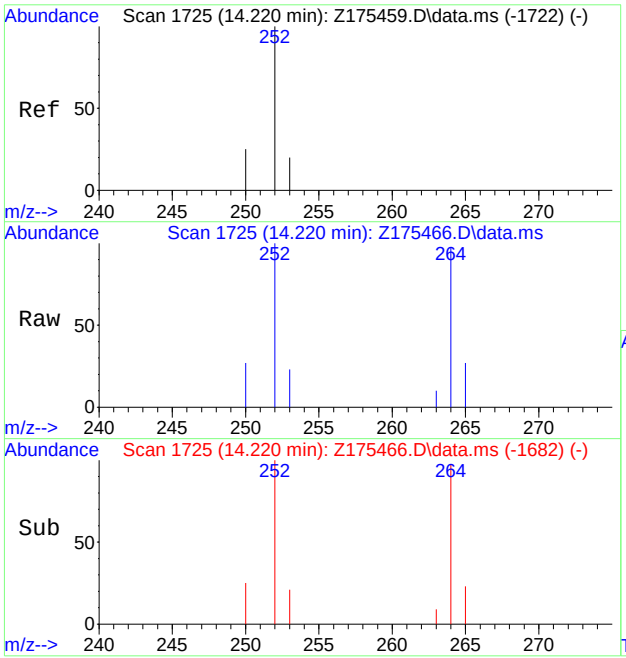


#31
Benzo[k]fluoranthene
Concen: 223.02 ppb
RT: 13.818 min Scan# 1690
Delta R.T. 0.000 min
Lab File: Z175466.D
Acq: 10 Sep 2025 5:41 pm

Tgt Ion:252 Resp: 7047

Ion	Ratio	Lower	Upper
252	100		
253	20.3	0.0	51.0
250	23.2	0.0	53.1

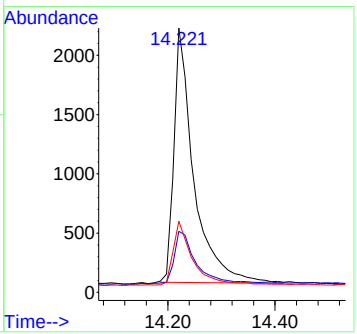


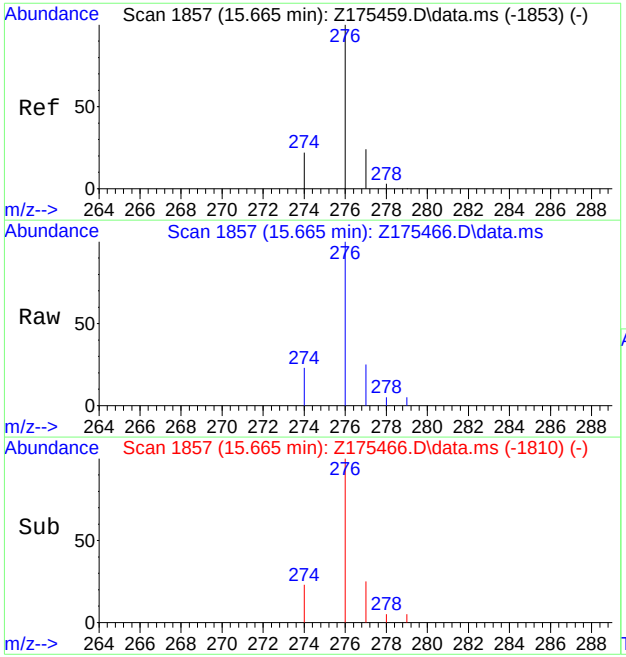


#32
Benzo[a]pyrene
Concen: 197.61 ppb
RT: 14.220 min Scan# 1725
Delta R.T. 0.000 min
Lab File: Z175466.D
Acq: 10 Sep 2025 5:41 pm

Tgt Ion:252 Resp: 5524

Ion	Ratio	Lower	Upper
252	100		
253	20.4	0.0	50.2
250	24.9	0.0	54.3

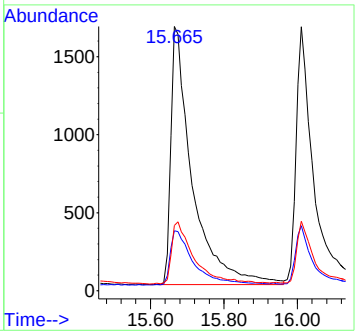


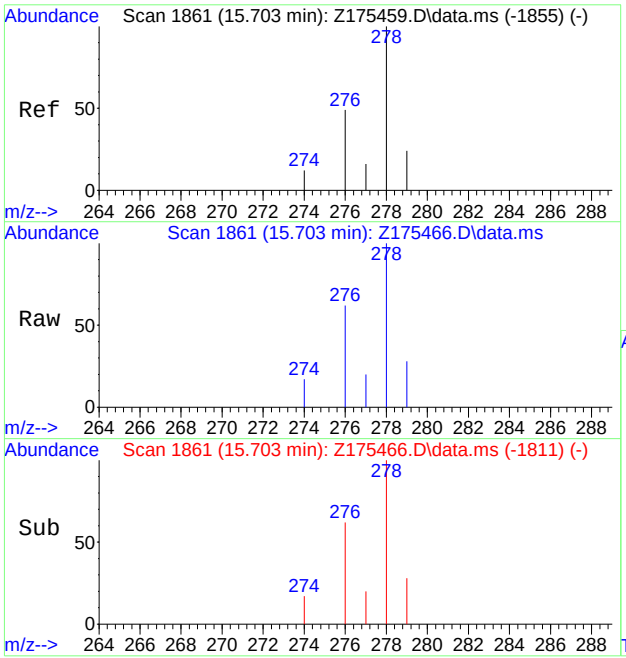


#33
Indeno[1,2,3-cd]pyrene
Concen: 201.58 ppb
RT: 15.665 min Scan# 1857
Delta R.T. 0.000 min
Lab File: Z175466.D
Acq: 10 Sep 2025 5:41 pm

Tgt Ion:276 Resp: 6729

Ion	Ratio	Lower	Upper
276	100		
274	20.8	0.0	51.7
277	22.6	0.0	53.6

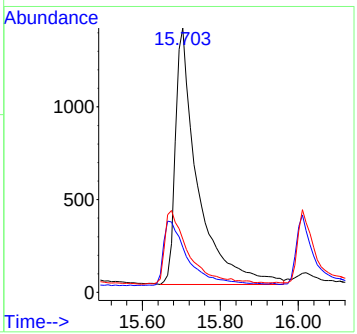


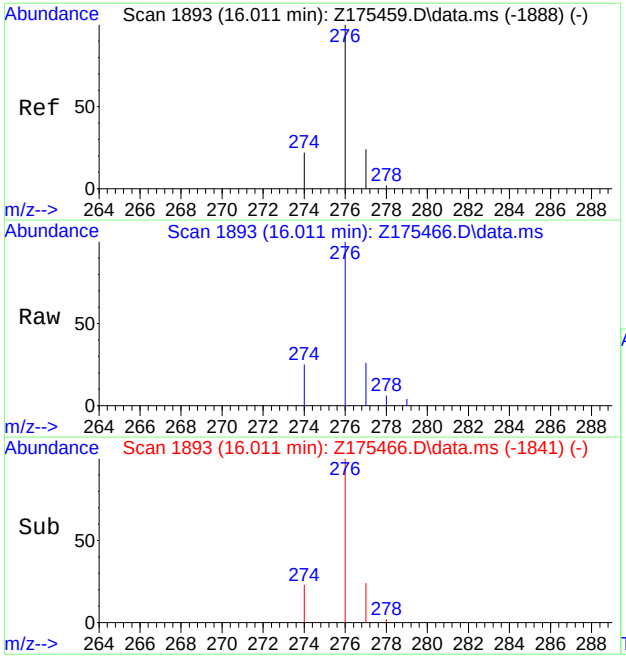


#34
Dibenz[a,h]anthracene
Concen: 205.72 ppb
RT: 15.703 min Scan# 1861
Delta R.T. 0.000 min
Lab File: Z175466.D
Acq: 10 Sep 2025 5:41 pm

Tgt Ion:278 Resp: 5496

Ion	Ratio	Lower	Upper
278	100		
274	12.5	0.0	44.0
277	16.4	0.0	46.5

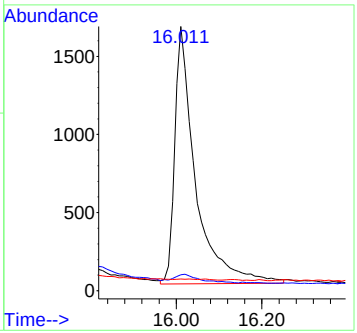




#35
Benzo[g,h,i]perylene
Concen: 198.92 ppb
RT: 16.011 min Scan# 1893
Delta R.T. 0.000 min
Lab File: Z175466.D
Acq: 10 Sep 2025 5:41 pm

Tgt Ion:276 Resp: 5550

Ion	Ratio	Lower	Upper
276	100		
278	2.8	0.0	32.8
279	0.1	0.0	30.0



Manual Integration Approval Summary

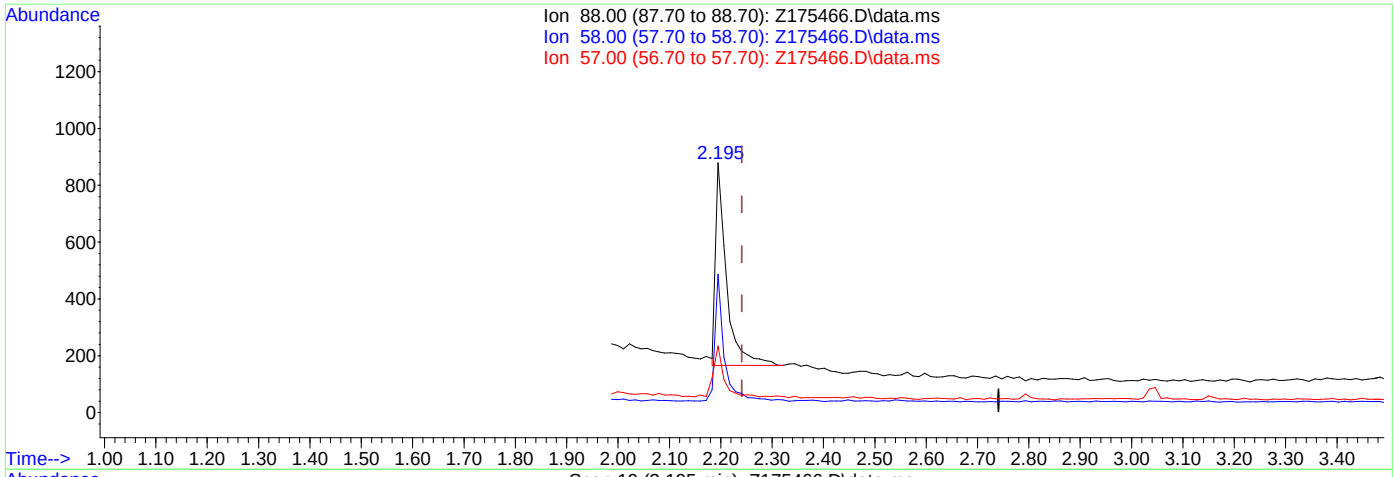
Sample Number:	EZ8654-ICV8654	**Method:**	SW846 8270E BY SIM
Lab FileID:	Z175466.D	**Analyst approved:**	09/11/25 12:08 Ying Li
Injection Time:	09/10/25 17:41	**Supervisor approved:**	09/15/25 15:51 Nina Pandya

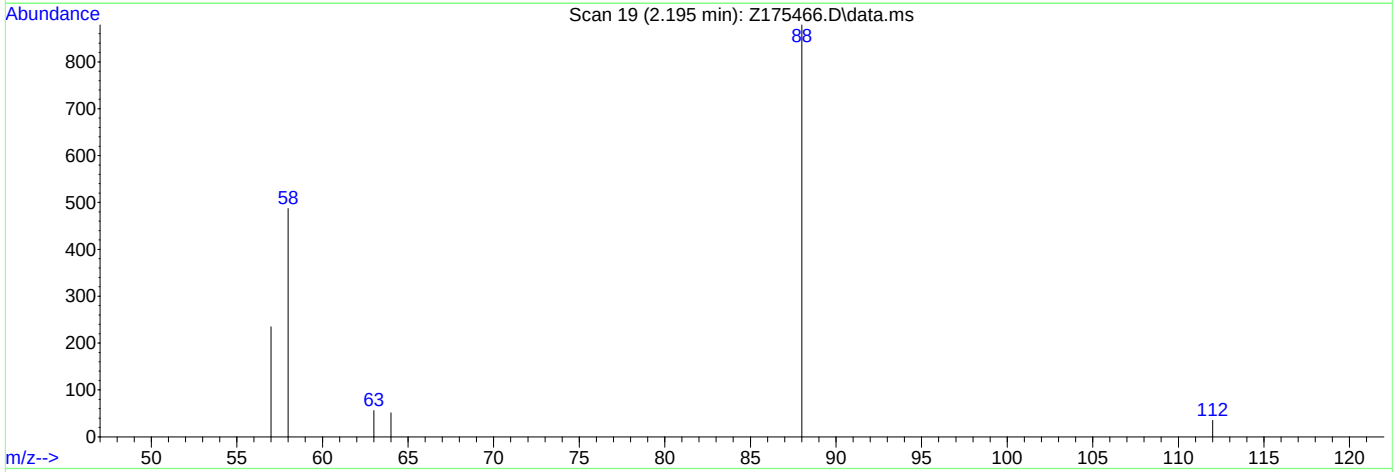
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,4-Dioxane	123-91-1		2.19	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175466.D
Acq On : 10 Sep 2025 5:41 pm
Operator : rocquans
Sample : icv86540.2
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 11 11:28:56 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Sep 11 11:26:20 2025
Response via : Initial Calibration





TIC: Z175466.D\data.ms

(2) 1,4-Dioxane (t)

2.195min (-0.046) 268.66ppb

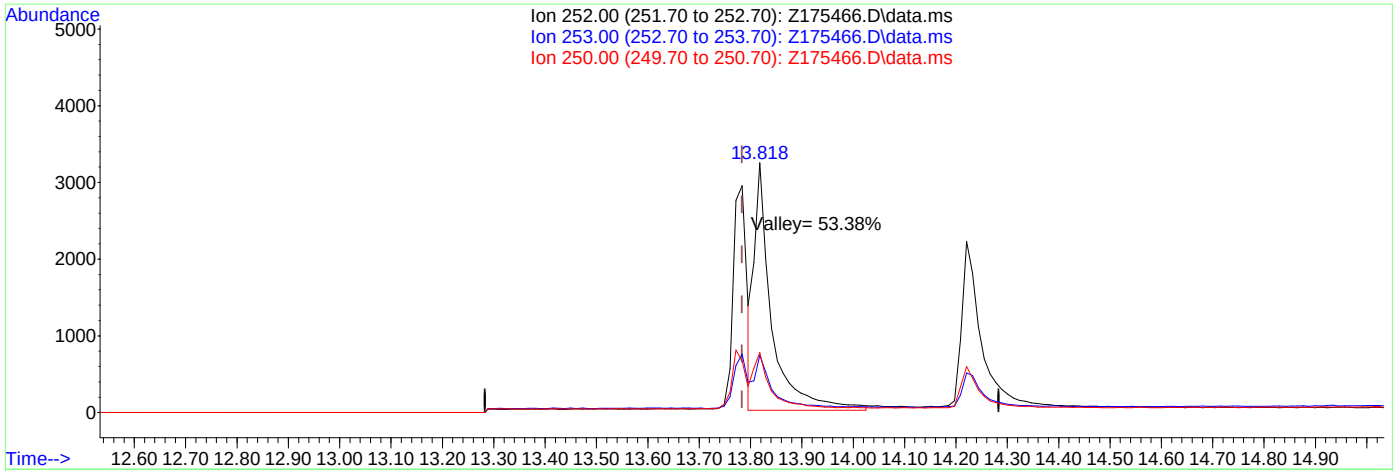
response 1065

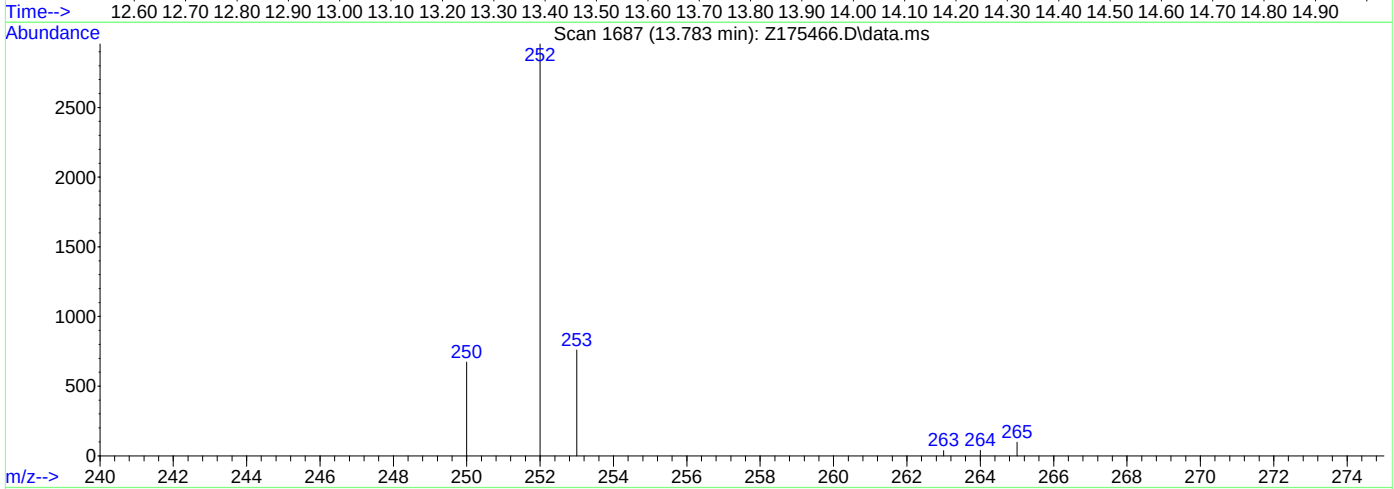
Ion	Exp%	Act%
88.00	100	100
58.00	35.60	60.56#
57.00	20.00	20.61
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175466.D
Acq On : 10 Sep 2025 5:41 pm
Operator : rocquans
Sample : icv8654-0.2
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 11 11:29:50 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Sep 11 11:26:20 2025
Response via : Initial Calibration





TIC: Z175466.D\data.ms

(30) Benzo[b]fluoranthene (t)

13.783min (+0.000) 199.68ppb

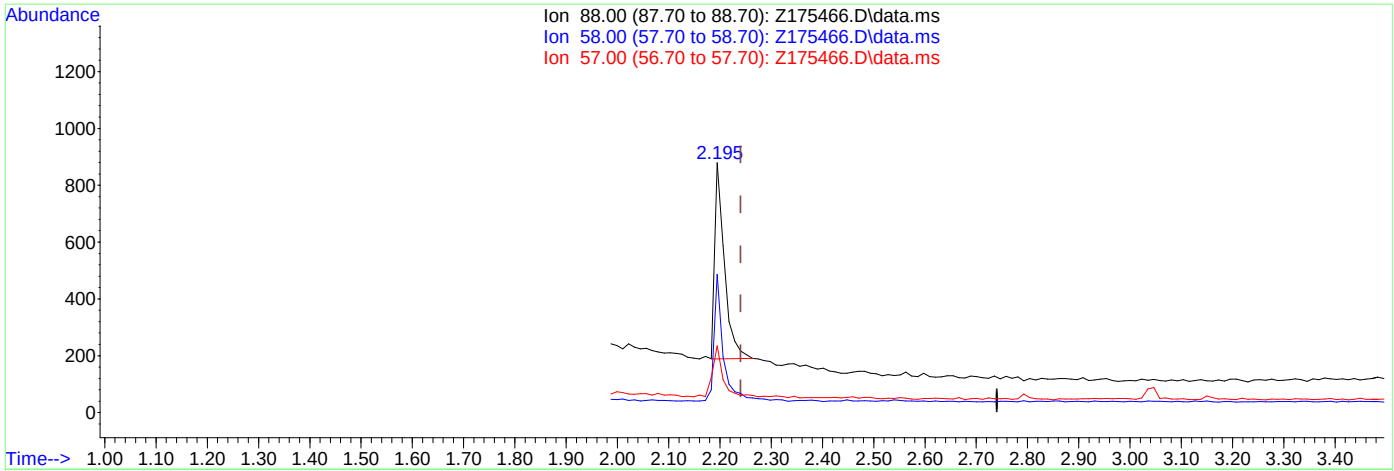
response 5205

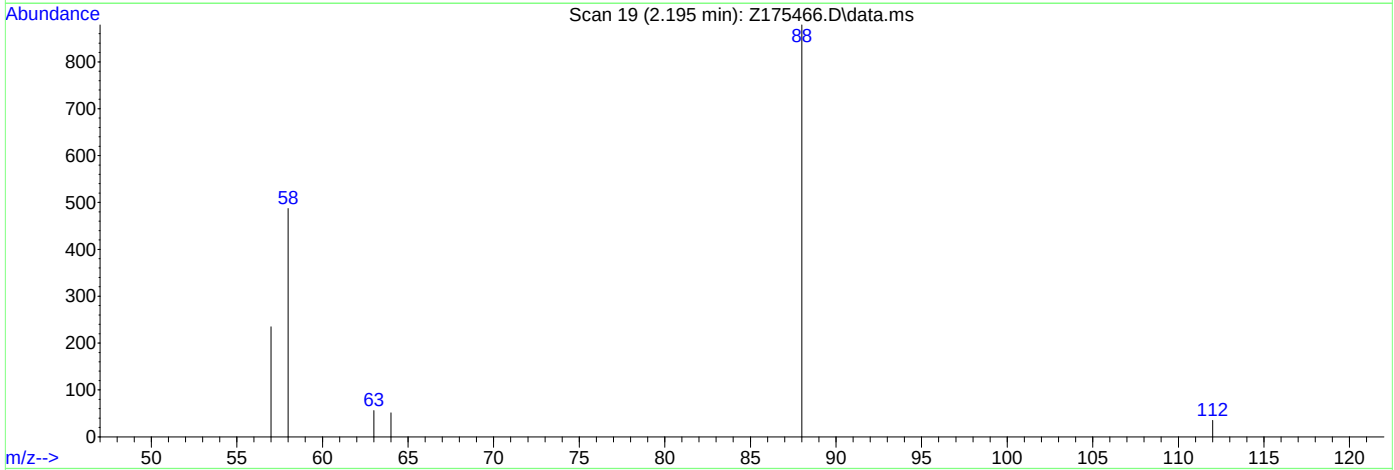
Ion	Exp%	Act%
252.00	100	100
253.00	22.60	23.81
250.00	21.90	21.24
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175466.D
Acq On : 10 Sep 2025 5:41 pm
Operator : rocquans
Sample : icv8654-0.2
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 11 12:02:08 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Sep 11 12:00:16 2025
Response via : Initial Calibration





TIC: Z175466.D\data.ms

(2) 1,4-Dioxane (t)

2.195min (-0.046) 229.81ppb m

response 911

Ion	Exp%	Act%
88.00	100	100
58.00	35.60	55.40
57.00	20.00	26.73
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
09/15/25 15:54

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\EZ8655\
Data File : Z175470.D
Acq On : 11 Sep 2025 12:56 pm
Operator : rocquans
Sample : ic8655-0.002
Misc : op66828a,ez8655,250,,,1,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 11 16:38:14 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Sep 11 16:28:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	6.005	150	11976	800.00	ppb	0.00
12) Fluorene-d10	7.292	176	16178	800.00	ppb	-0.01
19) Fluoranthene-d10	9.975	212	29900	800.00	ppb	-0.02
28) Benzo(a)pyrene-d12	14.174	264	24164	800.00	ppb	-0.02
35) 1-Methylnaphthalene-d10a	6.005	150	11976	800.00	ppb	0.00
37) Fluoranthene-d10a	9.975	212	29900	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	0.000	112	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
4) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
6) Nitrobenzene-d5	0.000	82	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
13) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
18) 2,4,6-Tribromophenol	0.000	330	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
25) Terphenyl-d14	0.000	244	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
Target Compounds						Qvalue
38) Pentachlorophenol	8.173	266	82m	22.26	ppb	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

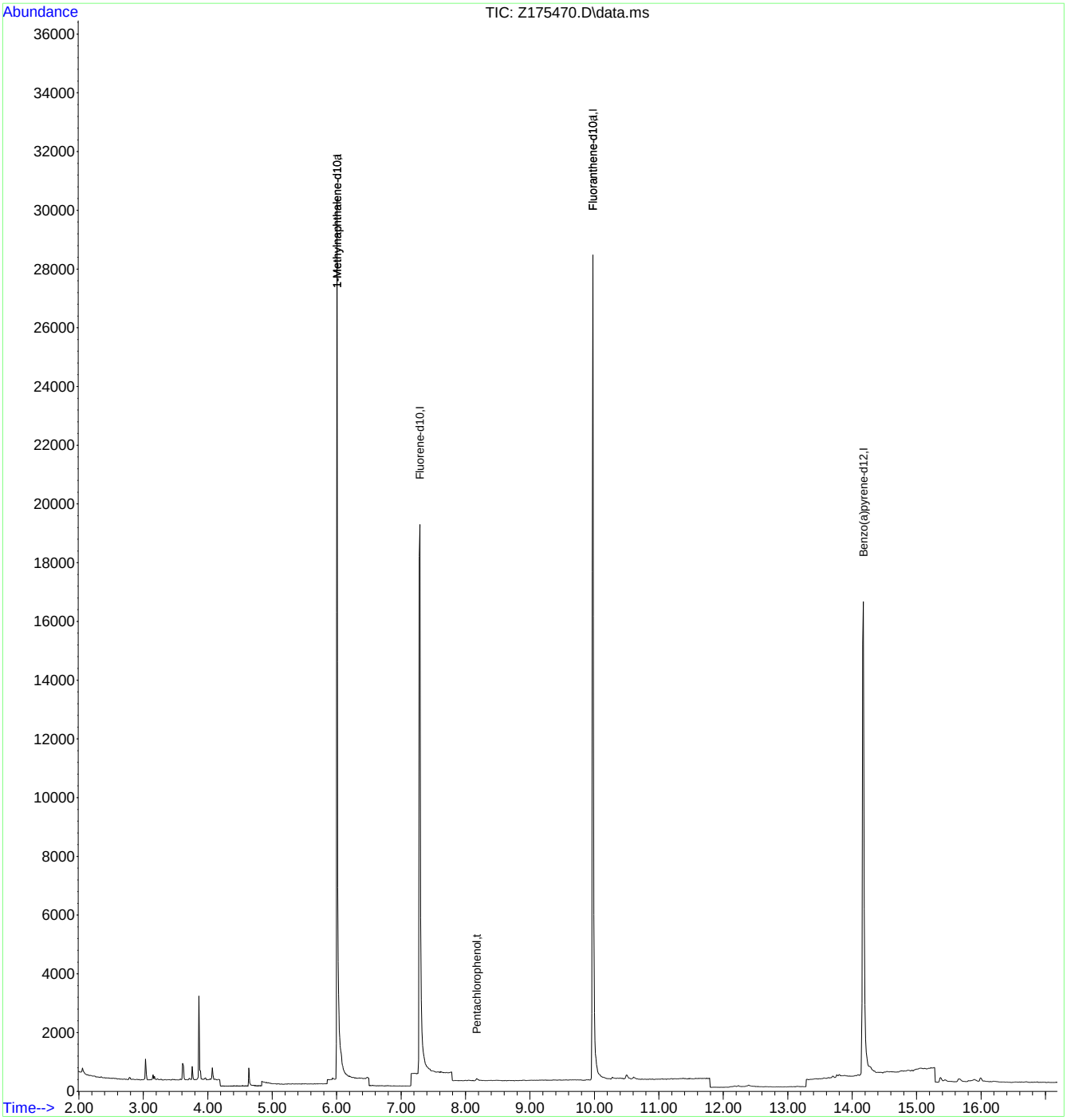
9.6.27

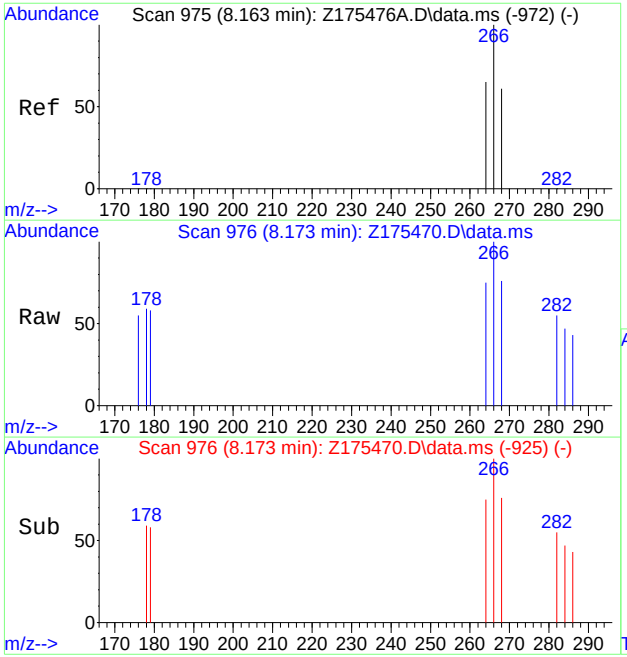
9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\EZ8655\
Data File : Z175470.D
Acq On : 11 Sep 2025 12:56 pm
Operator : rocquans
Sample : ic8655-0.002
Misc : op66828a,ez8655,250,,,1,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 11 16:38:14 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Sep 11 16:28:08 2025
Response via : Initial Calibration

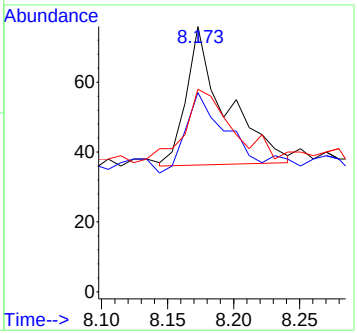




#38
Pentachlorophenol
Concen: 22.26 ppb m
RT: 8.173 min Scan# 976
Delta R.T. 0.010 min
Lab File: Z175470.D
Acq: 11 Sep 2025 12:56 pm

Tgt Ion:266 Resp: 82

Ion	Ratio	Lower	Upper
266	100		
264	61.0	43.1	83.1
268	58.5	45.0	85.0



Manual Integration Approval Summary

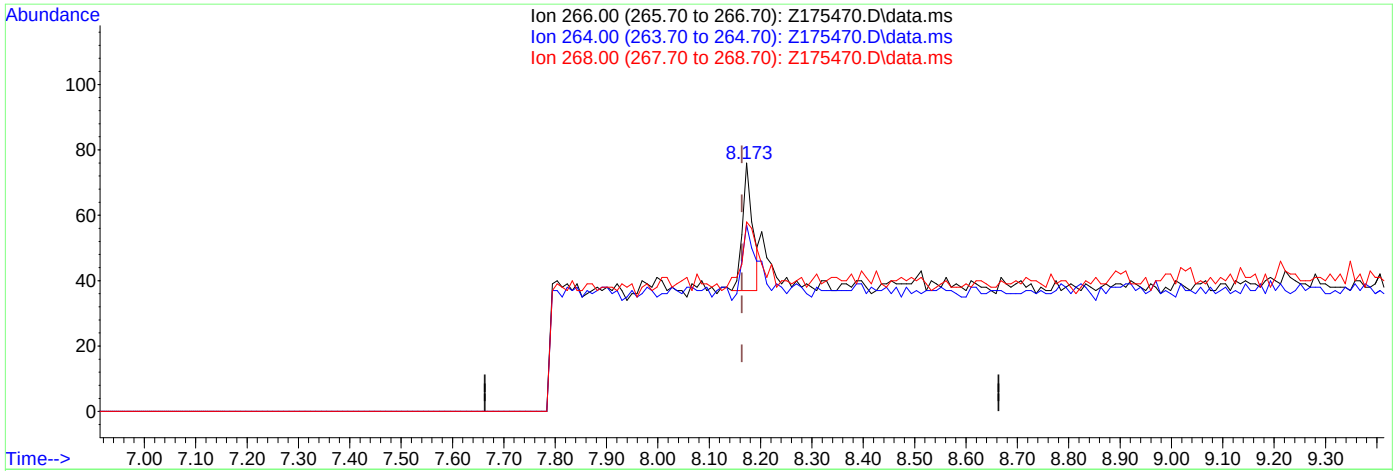
Sample Number: EZ8655-IC8655
Lab FileID: Z175470.D
Injection Time: 09/11/25 12:56
Method: SW846 8270E BY SIM
Analyst approved: 09/11/25 17:41 Ying Li
Supervisor approved: 09/15/25 15:54 Nina Pandya

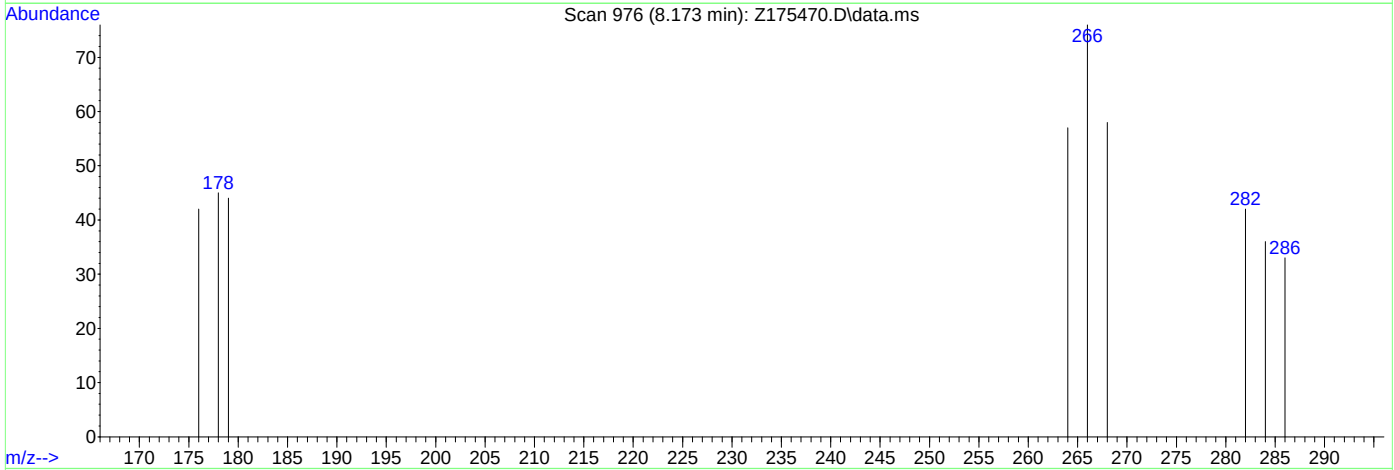
Parameter	CAS	Sig#	R.T. (min.)	Reason
Pentachlorophenol	87-86-5		8.17	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8655\
Data File : Z175470.D
Acq On : 11 Sep 2025 12:56 pm
Operator : rocquans
Sample : ic8655-0.002
Misc : op66828a,ez8655,250,,,1,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 11 16:37:24 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Sep 11 16:28:08 2025
Response via : Initial Calibration





TIC: Z175470.D\data.ms

(38) Pentachlorophenol (t)

8.173min (+0.010) 14.66ppb

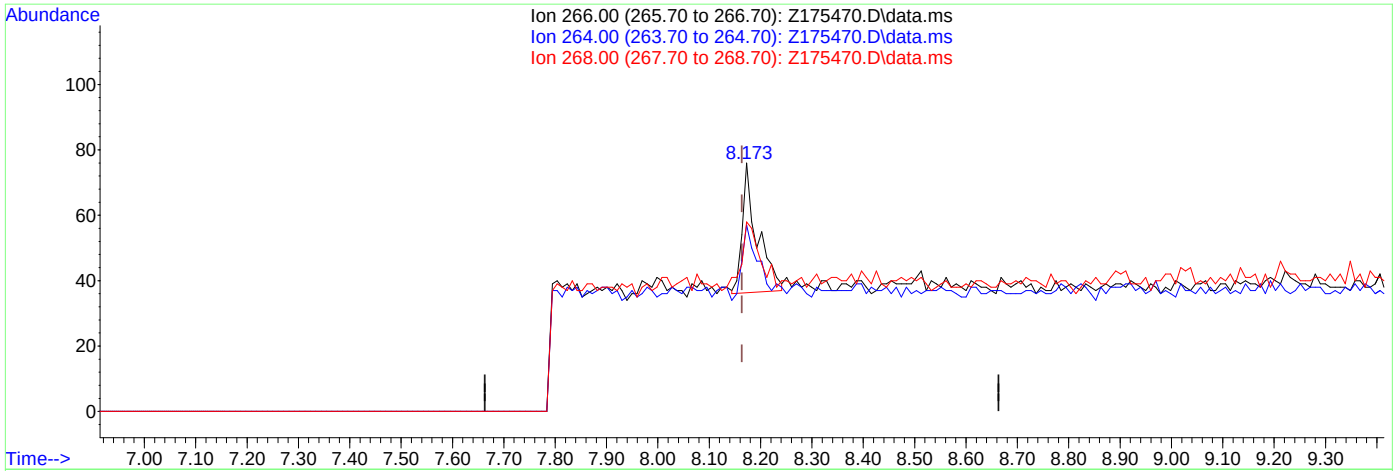
response 54

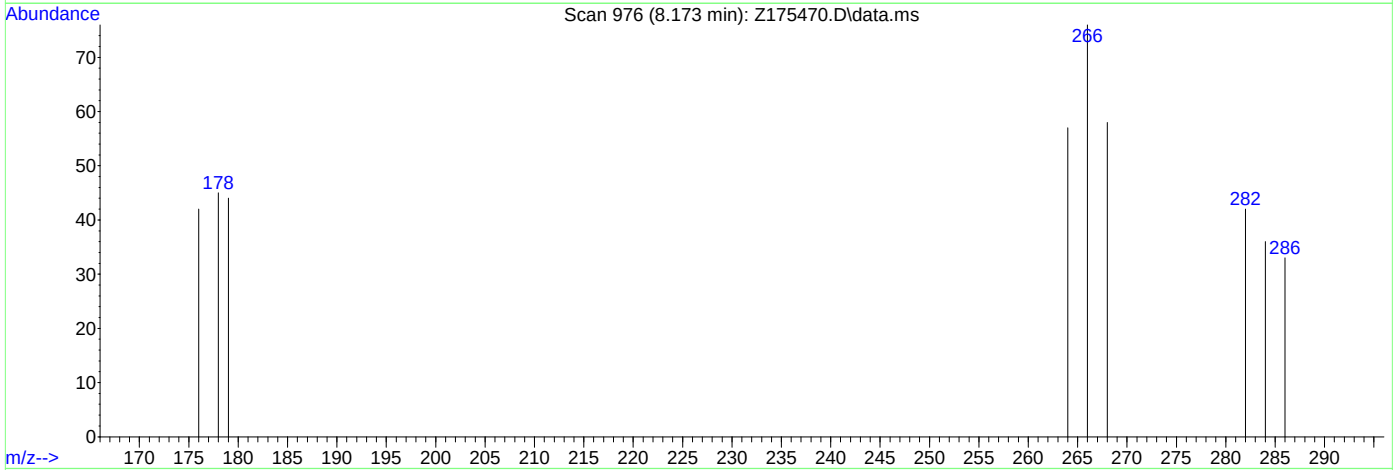
Ion	Exp%	Act%
266.00	100	100
264.00	63.10	92.59#
268.00	65.00	88.89#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8655\
Data File : Z175470.D
Acq On : 11 Sep 2025 12:56 pm
Operator : rocquans
Sample : ic8655-0.002
Misc : op66828a,ez8655,250,,,1,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 11 16:37:24 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Sep 11 16:28:08 2025
Response via : Initial Calibration





TIC: Z175470.D\data.ms

(38) Pentachlorophenol (t)

8.173min (+0.010) 22.26ppb m

response 82

Ion	Exp%	Act%
266.00	100	100
264.00	63.10	60.98
268.00	65.00	58.54
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
09/15/25 15:54

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\EZ8655\
Data File : Z175471.D
Acq On : 11 Sep 2025 1:22 pm
Operator : rocquans
Sample : ic8655-0.004
Misc : op66828a,ez8655,250,,,1,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 11 16:36:53 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Sep 11 16:28:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	6.005	150	10620	800.00	ppb	0.00
12) Fluorene-d10	7.292	176	15471	800.00	ppb	-0.01
19) Fluoranthene-d10	9.975	212	27959	800.00	ppb	-0.02
28) Benzo(a)pyrene-d12	14.174	264	22688	800.00	ppb	-0.02
35) 1-Methylnaphthalene-d10a	6.005	150	10620	800.00	ppb	0.00
37) Fluoranthene-d10a	9.975	212	27959	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	0.000	112	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
4) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
6) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
13) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
18) 2,4,6-Tribromophenol	0.000	330	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
25) Terphenyl-d14	0.000	244	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
Target Compounds						Qvalue
38) Pentachlorophenol	8.183	266	104m	30.20	ppb	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

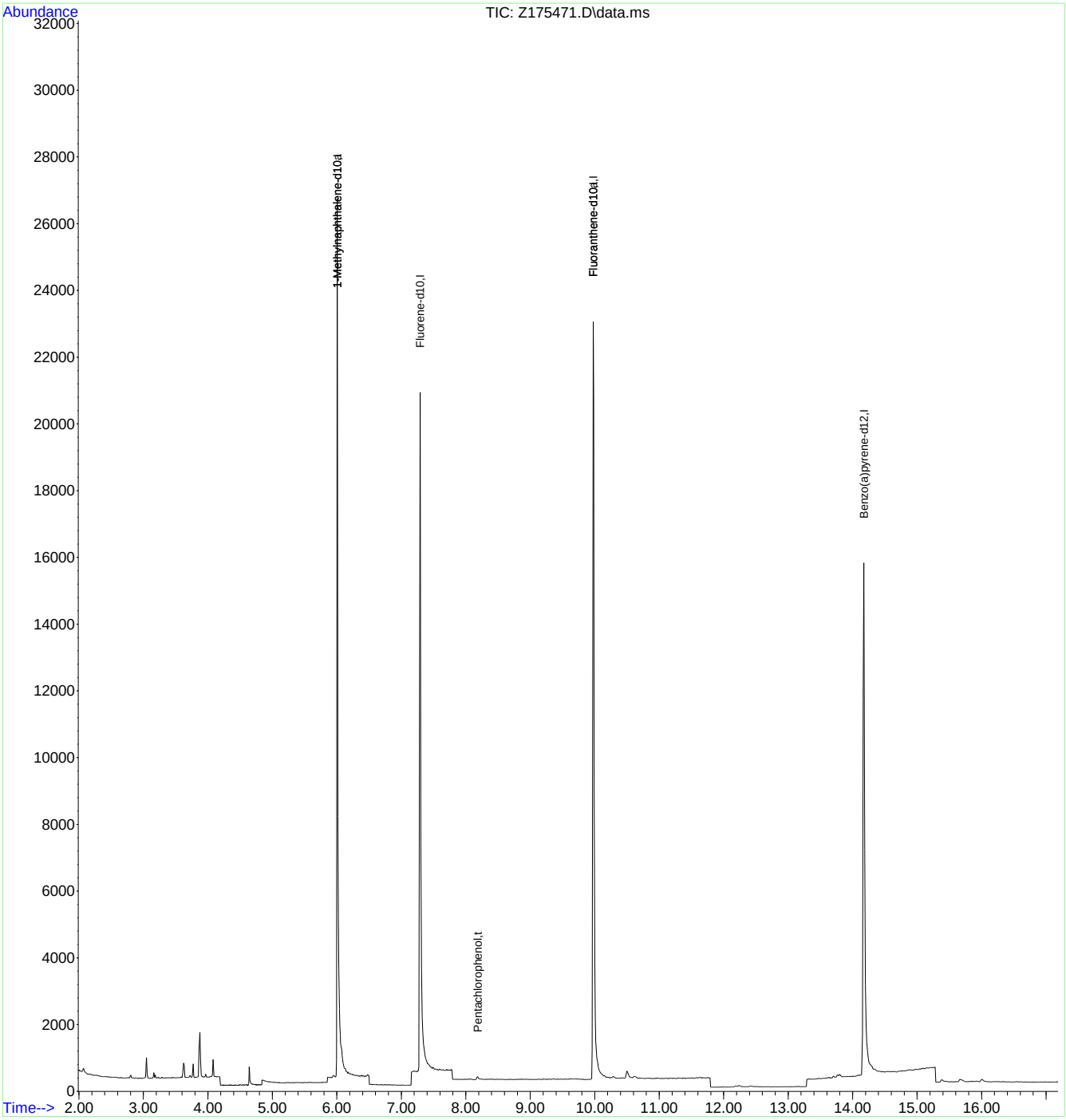
9.6.28

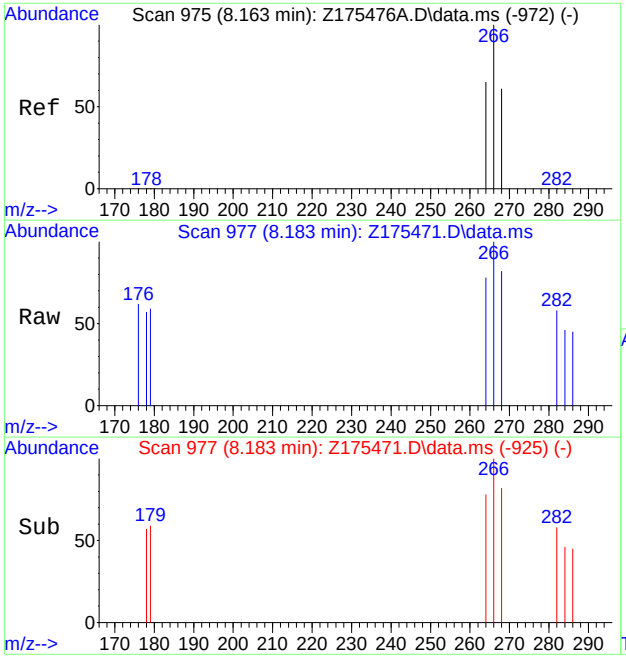
9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\EZ8655\
Data File : Z175471.D
Acq On : 11 Sep 2025 1:22 pm
Operator : rocquans
Sample : ic8655-0.004
Misc : op66828a,ez8655,250,,,1,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 11 16:36:53 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Sep 11 16:28:08 2025
Response via : Initial Calibration

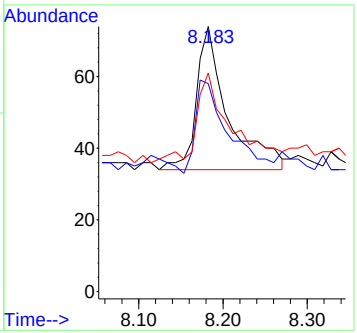




#38
Pentachlorophenol
Concen: 30.20 ppb m
RT: 8.183 min Scan# 977
Delta R.T. 0.019 min
Lab File: Z175471.D
Acq: 11 Sep 2025 1:22 pm

Tgt Ion:266 Resp: 104

Ion	Ratio	Lower	Upper
266	100		
264	68.3	43.1	83.1
268	56.7	45.0	85.0



9.6.28

9

Manual Integration Approval Summary

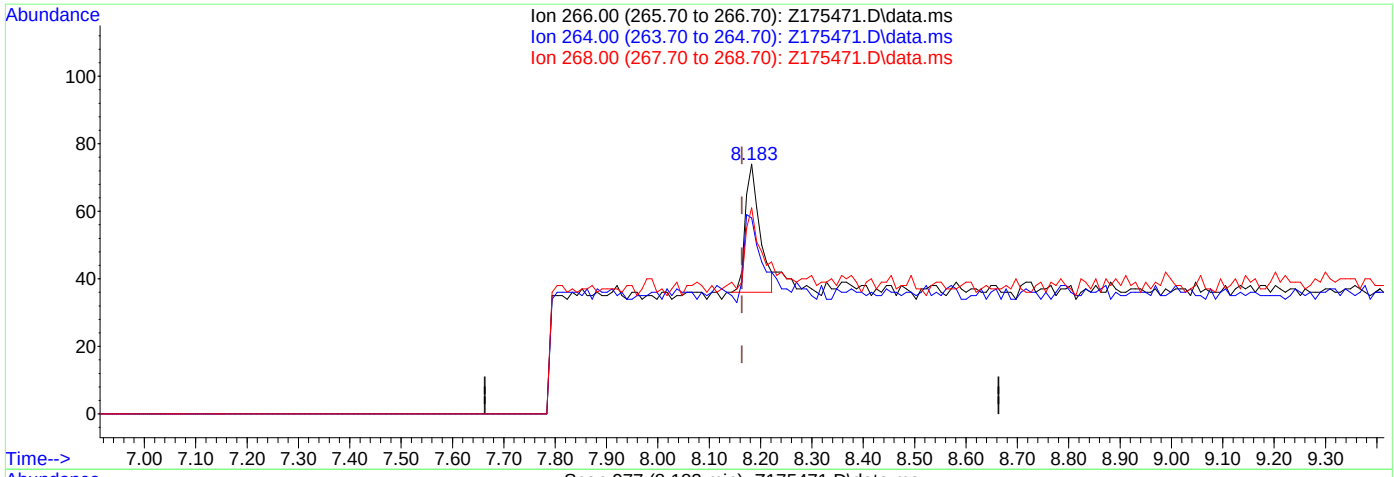
Sample Number: EZ8655-IC8655
Lab FileID: Z175471.D
Injection Time: 09/11/25 13:22
Method: SW846 8270E BY SIM
Analyst approved: 09/11/25 17:41 Ying Li
Supervisor approved: 09/15/25 15:54 Nina Pandya

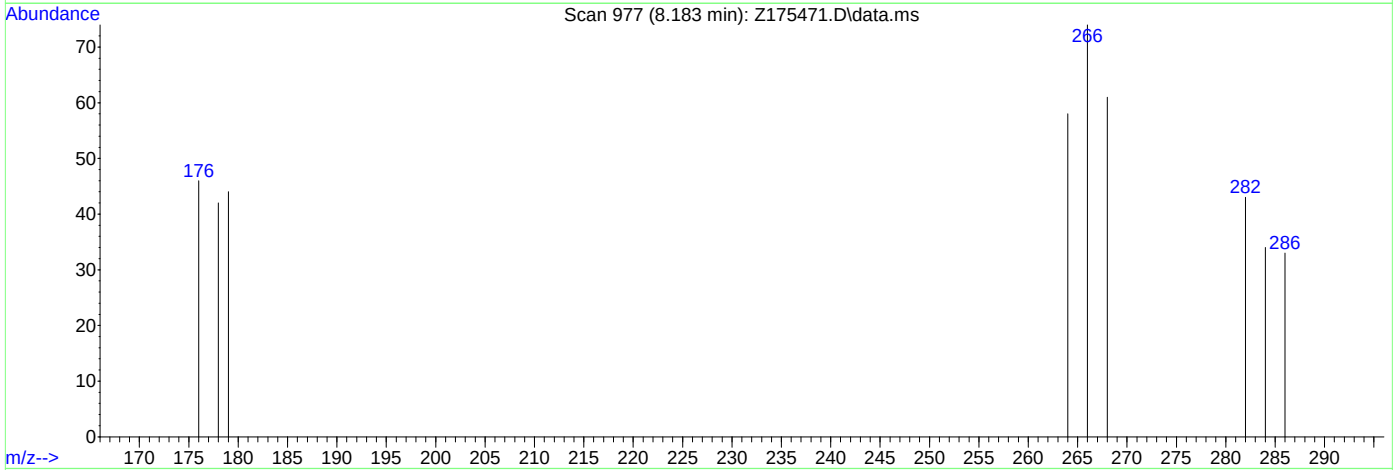
Parameter	CAS	Sig#	R.T. (min.)	Reason
Pentachlorophenol	87-86-5		8.18	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8655\
Data File : Z175471.D
Acq On : 11 Sep 2025 1:22 pm
Operator : rocquans
Sample : ic8655-0.004
Misc : op66828a,ez8655,250,,,1,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 11 16:35:38 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Sep 11 16:28:08 2025
Response via : Initial Calibration





TIC: Z175471.D\data.ms

(38) Pentachlorophenol (t)

8.183min (+0.019) 21.78ppb

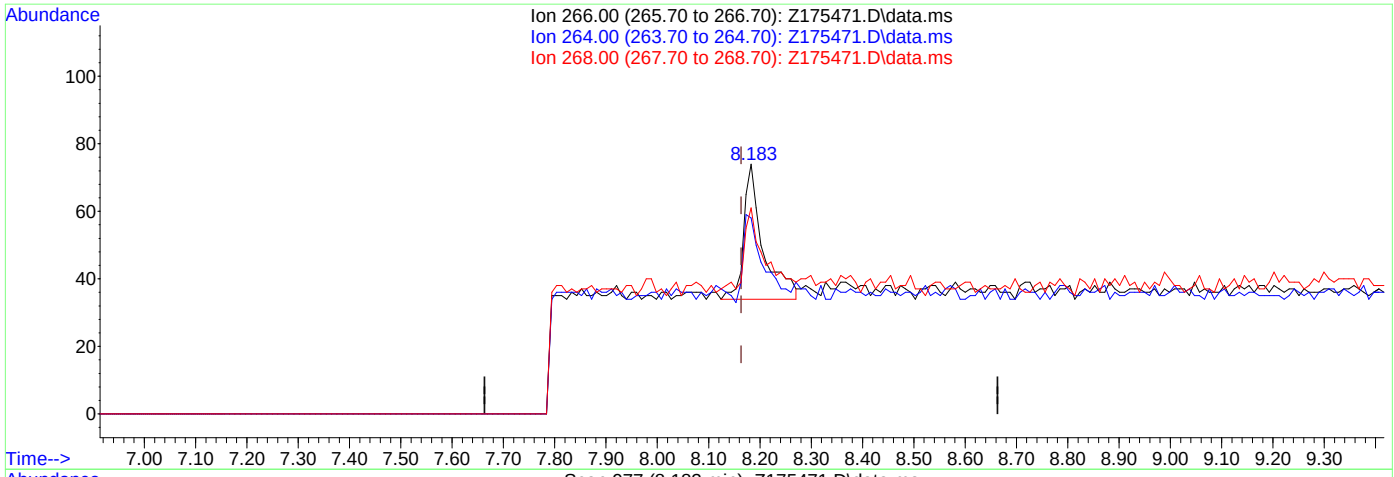
response 75

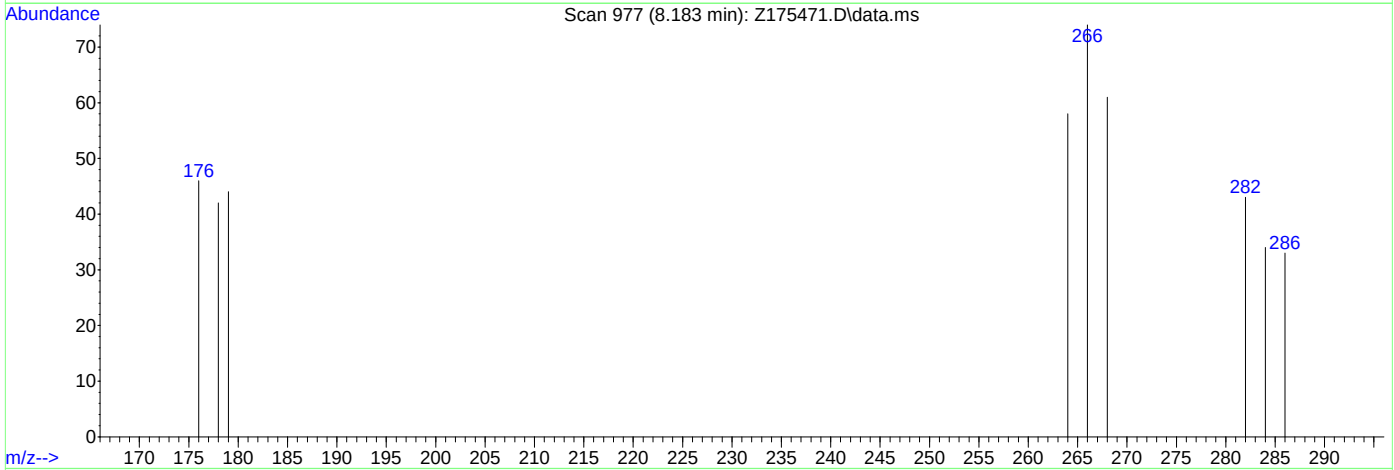
Ion	Exp%	Act%
266.00	100	100
264.00	63.10	94.67#
268.00	65.00	78.67
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8655\
Data File : Z175471.D
Acq On : 11 Sep 2025 1:22 pm
Operator : rocquans
Sample : ic8655-0.004
Misc : op66828a,ez8655,250,,,1,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 11 16:35:38 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Sep 11 16:28:08 2025
Response via : Initial Calibration





TIC: Z175471.D\data.ms

(38) Pentachlorophenol (t)

8.183min (+0.019) 30.20ppb m

response 104

Ion	Exp%	Act%
266.00	100	100
264.00	63.10	68.27
268.00	65.00	56.73
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\EZ8655\
Data File : Z175472.D
Acq On : 11 Sep 2025 1:47 pm
Operator : rocquans
Sample : ic8655-0.01
Misc : op66828a,ez8655,250,,,1,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 11 16:34:33 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Sep 11 16:28:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	6.005	150	11531	800.00	ppb	0.00
12) Fluorene-d10	7.292	176	15636	800.00	ppb	-0.01
19) Fluoranthene-d10	9.975	212	28540	800.00	ppb	-0.02
28) Benzo(a)pyrene-d12	14.174	264	22484	800.00	ppb	-0.02
35) 1-Methylnaphthalene-d10a	6.005	150	11531	800.00	ppb	0.00
37) Fluoranthene-d10a	9.975	212	28540	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	0.000	112	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
4) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
6) Nitrobenzene-d5	0.000	82	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
13) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
18) 2,4,6-Tribromophenol	0.000	330	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
25) Terphenyl-d14	0.000	244	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
Target Compounds						Qvalue
38) Pentachlorophenol	8.183	266	195	55.47	ppb	87

(#) = qualifier out of range (m) = manual integration (+) = signals summed

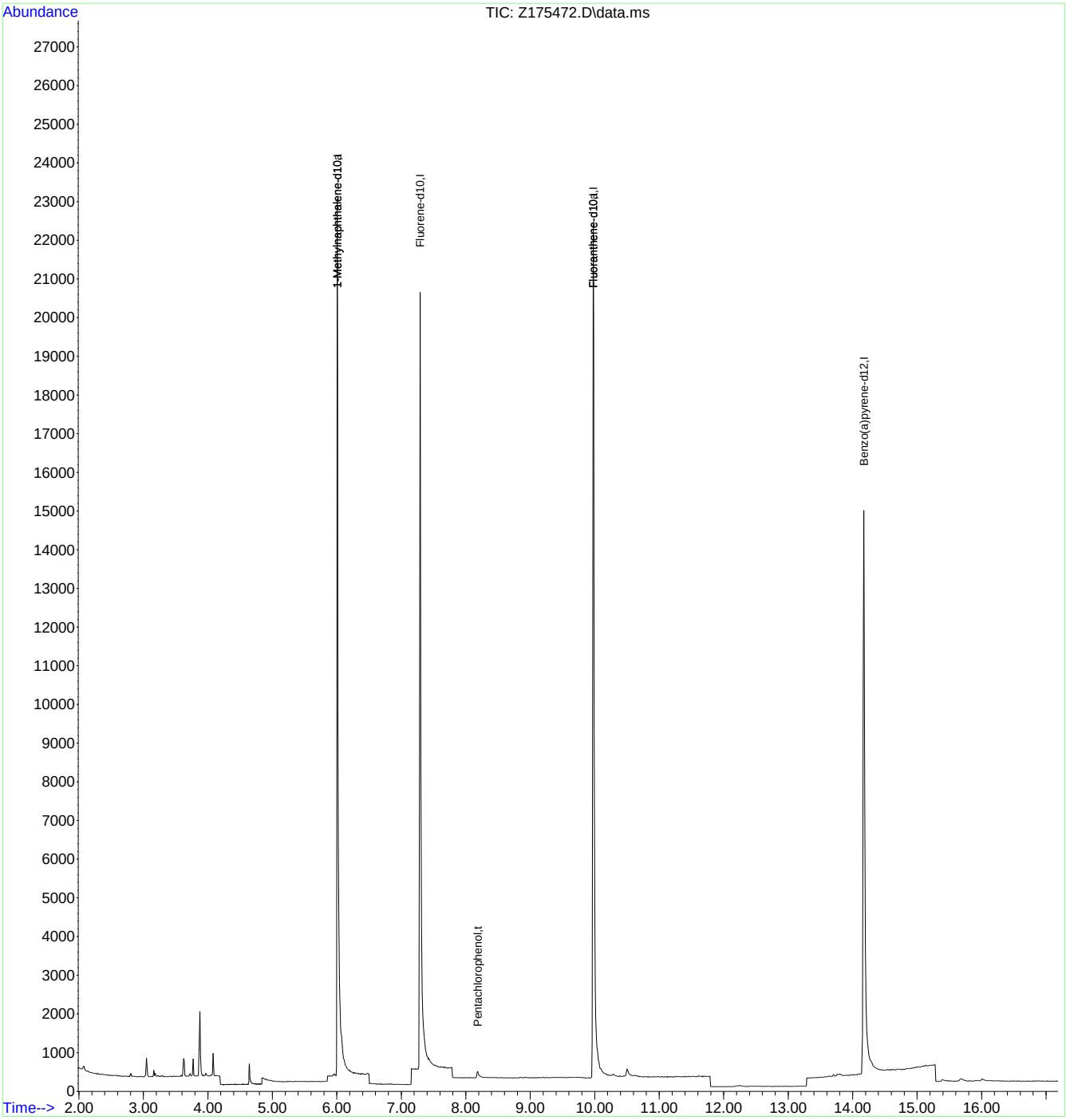
9.6.29

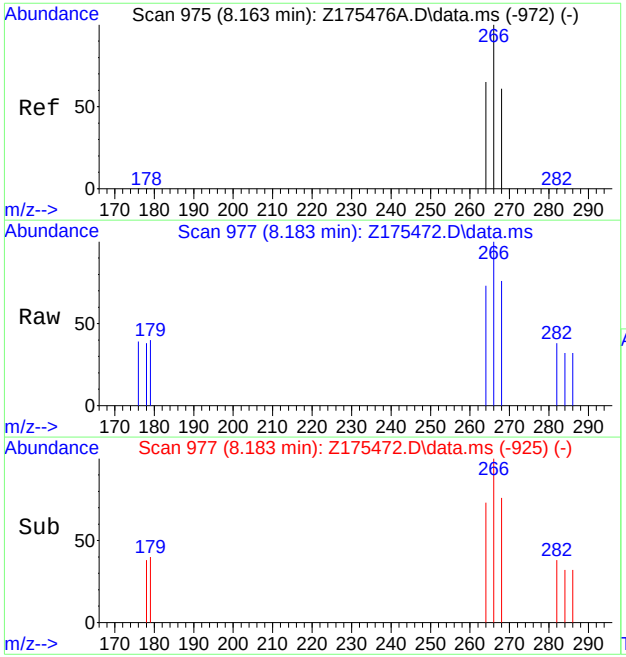
9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\EZ8655\
Data File : Z175472.D
Acq On : 11 Sep 2025 1:47 pm
Operator : rocquans
Sample : ic8655-0.01
Misc : op66828a,ez8655,250,,,1,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 11 16:34:33 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Sep 11 16:28:08 2025
Response via : Initial Calibration

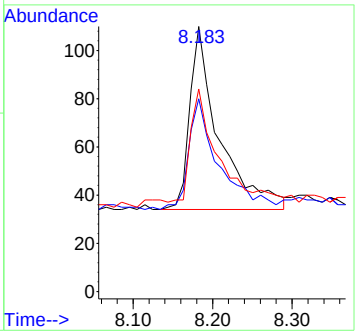




#38
Pentachlorophenol
Concen: 55.47 ppb
RT: 8.183 min Scan# 977
Delta R.T. 0.019 min
Lab File: Z175472.D
Acq: 11 Sep 2025 1:47 pm

Tgt Ion:266 Resp: 195

Ion	Ratio	Lower	Upper
266	100		
264	57.9	43.1	83.1
268	49.2	45.0	85.0



9.6.29

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\EZ8655\
Data File : Z175473.D
Acq On : 11 Sep 2025 2:11 pm
Operator : rocquans
Sample : ic8655-0.02
Misc : op66828a,ez8655,250,,,1,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 11 16:33:49 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Sep 11 16:28:08 2025
Response via : Initial Calibration

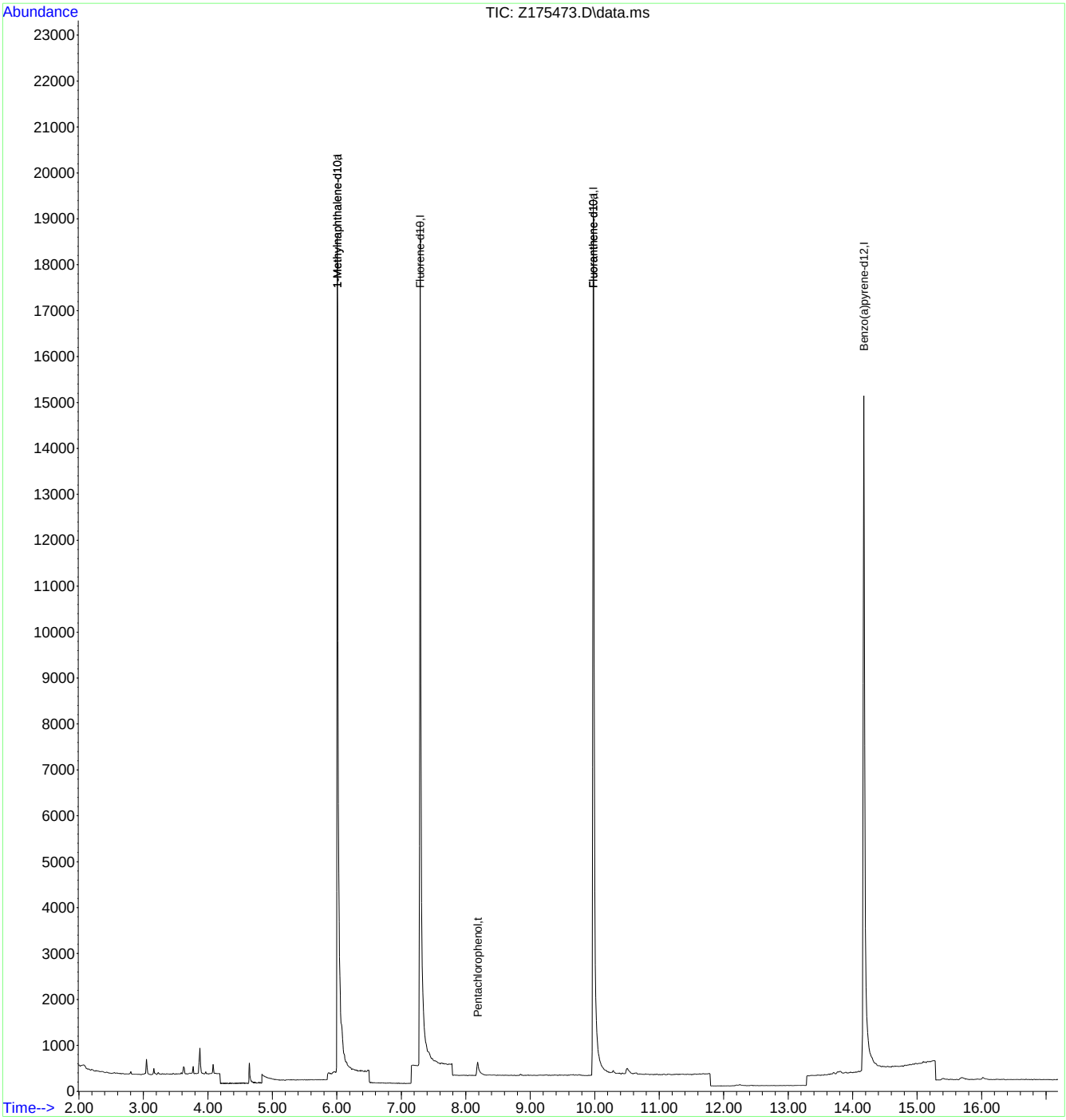
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	6.005	150	10642	800.00	ppb	0.00
12) Fluorene-d10	7.292	176	14402	800.00	ppb	-0.01
19) Fluoranthene-d10	9.975	212	26067	800.00	ppb	-0.02
28) Benzo(a)pyrene-d12	14.174	264	22205	800.00	ppb	-0.02
35) 1-Methylnaphthalene-d10a	6.005	150	10642	800.00	ppb	0.00
37) Fluoranthene-d10a	9.975	212	26067	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	0.000	112	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
4) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
6) Nitrobenzene-d5	0.000	82	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
13) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
18) 2,4,6-Tribromophenol	0.000	330	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
25) Terphenyl-d14	0.000	244	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
Target Compounds						Qvalue
38) Pentachlorophenol	8.183	266	329	102.46	ppb	97

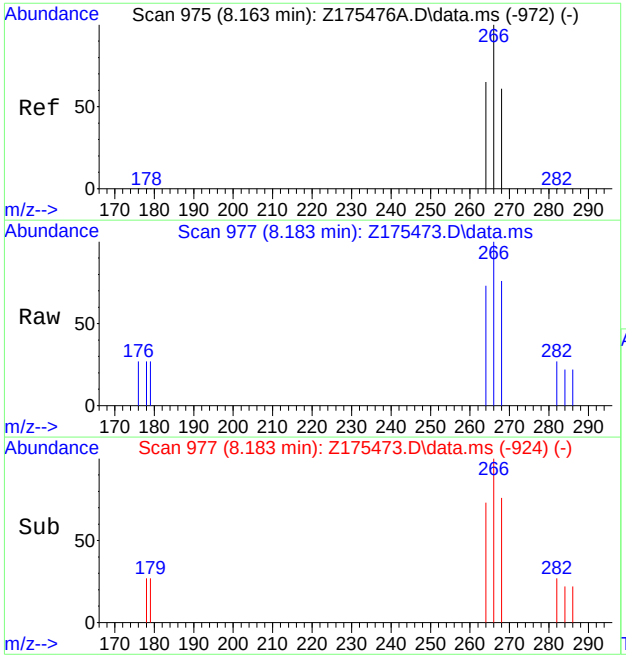
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\EZ8655\
Data File : Z175473.D
Acq On : 11 Sep 2025 2:11 pm
Operator : rocquans
Sample : ic8655-0.02
Misc : op66828a,ez8655,250,,,1,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 11 16:33:49 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Sep 11 16:28:08 2025
Response via : Initial Calibration

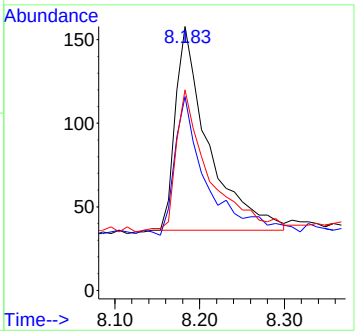




#38
Pentachlorophenol
Concen: 102.46 ppb
RT: 8.183 min Scan# 977
Delta R.T. 0.019 min
Lab File: Z175473.D
Acq: 11 Sep 2025 2:11 pm

Tgt Ion:266 Resp: 329

Ion	Ratio	Lower	Upper
266	100		
264	60.2	43.1	83.1
268	63.8	45.0	85.0



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\EZ8655\
Data File : Z175474.D
Acq On : 11 Sep 2025 2:36 pm
Operator : rocquans
Sample : ic8655-0.04
Misc : op66828a,ez8655,250,,,1,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 11 16:32:02 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Sep 11 16:28:08 2025
Response via : Initial Calibration

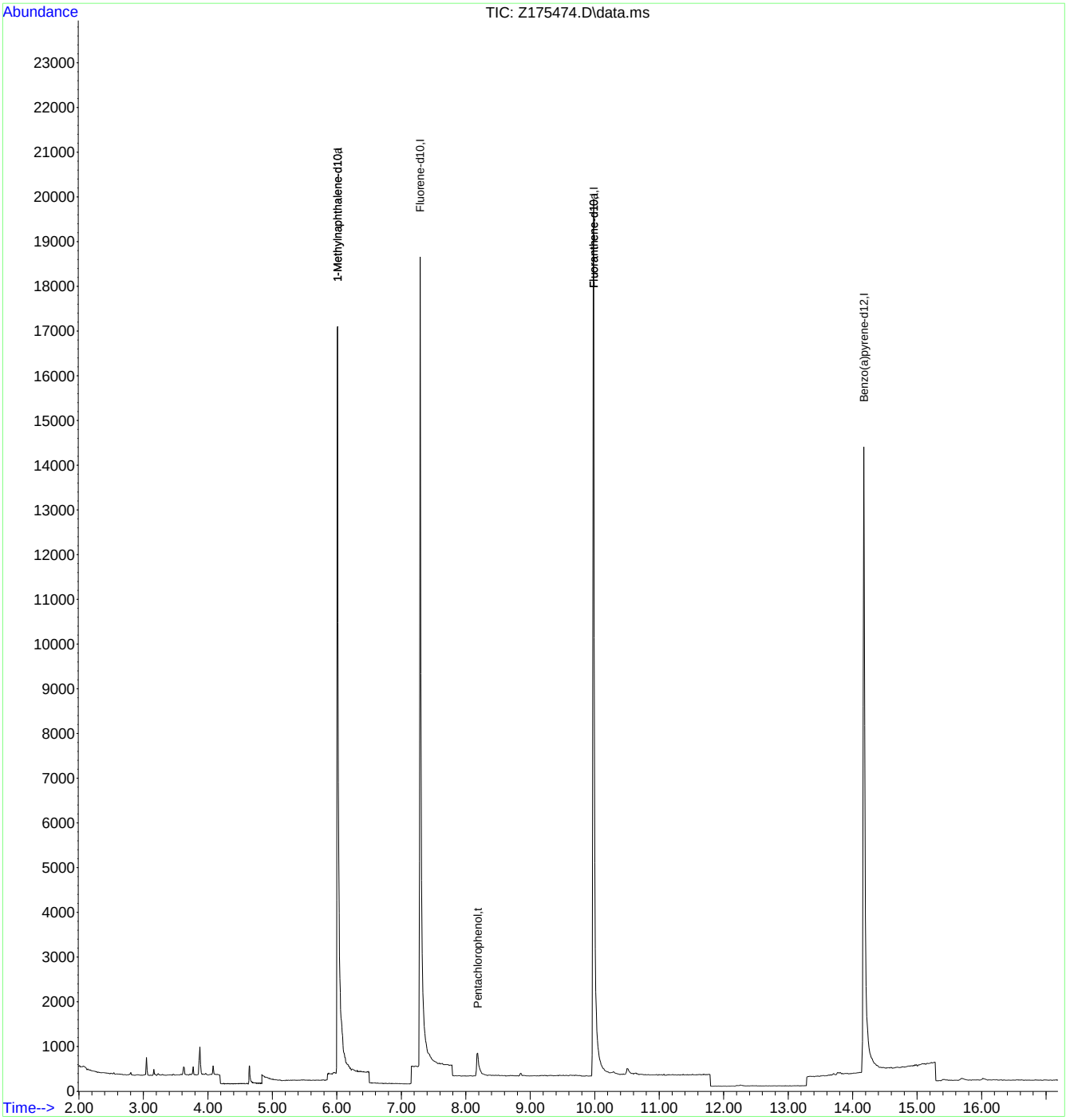
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	6.011	150	10903	800.00	ppb	0.00
12) Fluorene-d10	7.292	176	14295	800.00	ppb	-0.01
19) Fluoranthene-d10	9.983	212	27357	800.00	ppb	0.00
28) Benzo(a)pyrene-d12	14.174	264	22200	800.00	ppb	-0.02
35) 1-Methylnaphthalene-d10a	6.011	150	10903	800.00	ppb	# 0.00
37) Fluoranthene-d10a	9.983	212	27357	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	0.000	112	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
4) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
6) Nitrobenzene-d5	0.000	82	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
13) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
18) 2,4,6-Tribromophenol	0.000	330	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
25) Terphenyl-d14	0.000	244	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
Target Compounds						Qvalue
38) Pentachlorophenol	8.183	266	642	190.51	ppb	98

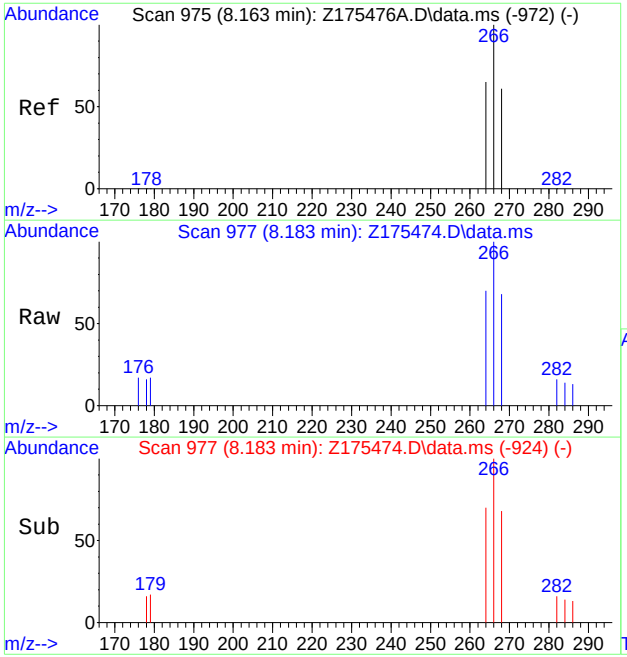
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\EZ8655\
Data File : Z175474.D
Acq On : 11 Sep 2025 2:36 pm
Operator : rocquans
Sample : ic8655-0.04
Misc : op66828a,ez8655,250,,,1,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 11 16:32:02 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Sep 11 16:28:08 2025
Response via : Initial Calibration

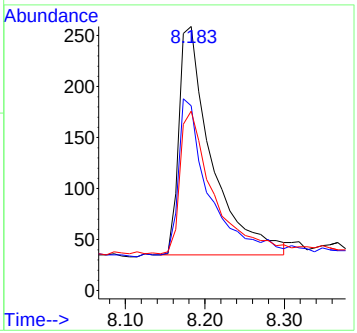




#38
Pentachlorophenol
Concen: 190.51 ppb
RT: 8.183 min Scan# 977
Delta R.T. 0.019 min
Lab File: Z175474.D
Acq: 11 Sep 2025 2:36 pm

Tgt Ion:266 Resp: 642

Ion	Ratio	Lower	Upper
266	100		
264	61.2	43.1	83.1
268	64.3	45.0	85.0



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\EZ8655\
Data File : Z175475.D
Acq On : 11 Sep 2025 3:01 pm
Operator : rocquans
Sample : ic8655-0.1
Misc : op66828a,ez8655,250,,,1,1
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 11 16:31:08 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Sep 11 16:28:08 2025
Response via : Initial Calibration

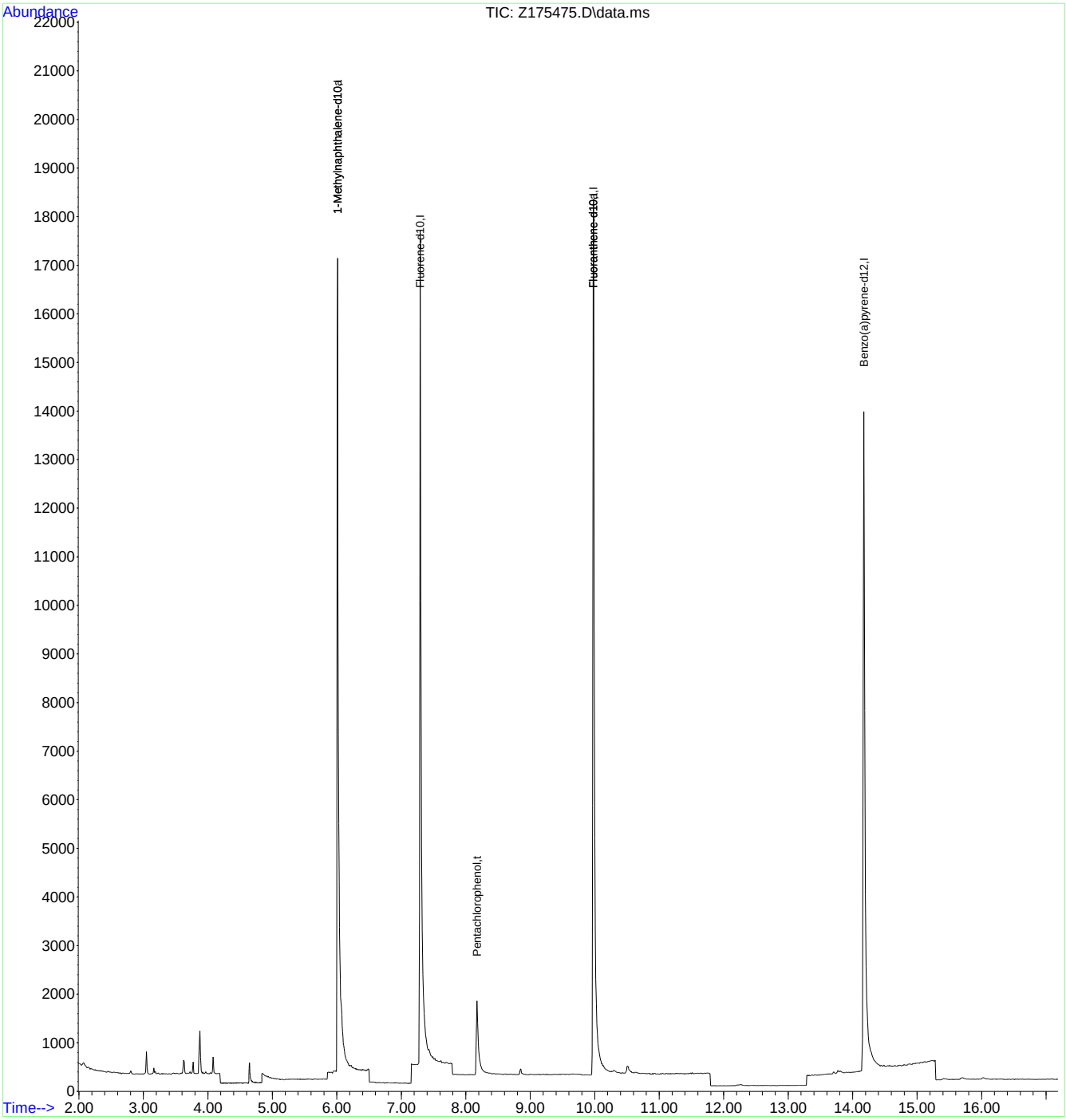
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	6.011	150	11109	800.00	ppb	0.00
12) Fluorene-d10	7.292	176	14751	800.00	ppb	-0.01
19) Fluoranthene-d10	9.975	212	26628	800.00	ppb	-0.02
28) Benzo(a)pyrene-d12	14.175	264	22107	800.00	ppb	-0.02
35) 1-Methylnaphthalene-d10a	6.011	150	11109	800.00	ppb	# 0.00
37) Fluoranthene-d10a	9.975	212	26628	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	0.000	112	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
4) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
6) Nitrobenzene-d5	0.000	82	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
13) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
18) 2,4,6-Tribromophenol	0.000	330	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
25) Terphenyl-d14	0.000	244	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
Target Compounds						Qvalue
38) Pentachlorophenol	8.173	266	1610	490.83	ppb	97

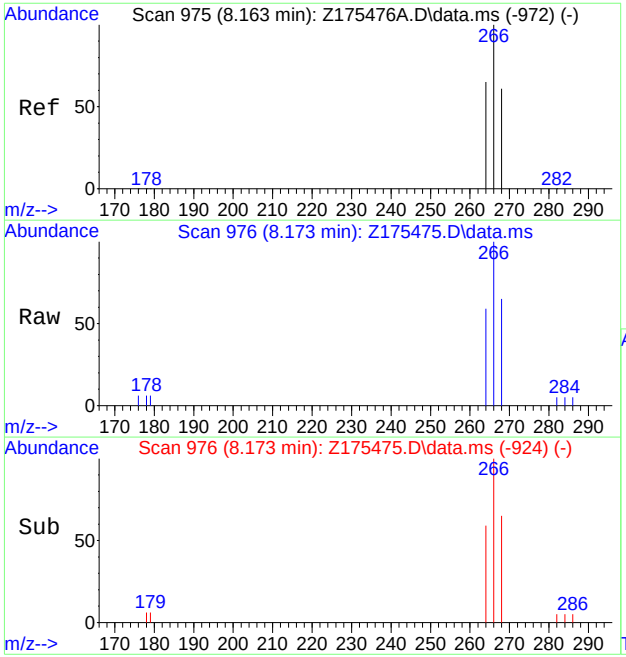
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\EZ8655\
Data File : Z175475.D
Acq On : 11 Sep 2025 3:01 pm
Operator : rocquans
Sample : ic8655-0.1
Misc : op66828a,ez8655,250,,,1,1
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 11 16:31:08 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Sep 11 16:28:08 2025
Response via : Initial Calibration

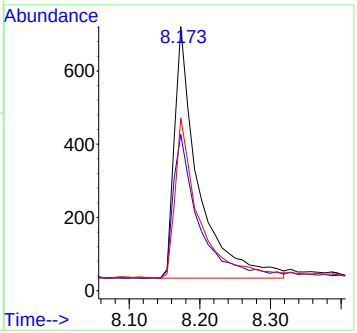




#38
Pentachlorophenol
Concen: 490.83 ppb
RT: 8.173 min Scan# 976
Delta R.T. 0.010 min
Lab File: Z175475.D
Acq: 11 Sep 2025 3:01 pm

Tgt Ion:266 Resp: 1610

Ion	Ratio	Lower	Upper
266	100		
264	60.4	43.1	83.1
268	63.4	45.0	85.0



9.6.32

9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\EZ8655\
Data File : Z175476.D
Acq On : 11 Sep 2025 3:27 pm
Operator : rocquans
Sample : ic8655-0.2
Misc : op66828a,ez8655,250,,,1,1
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 11 16:29:19 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Sep 11 16:28:08 2025
Response via : Initial Calibration

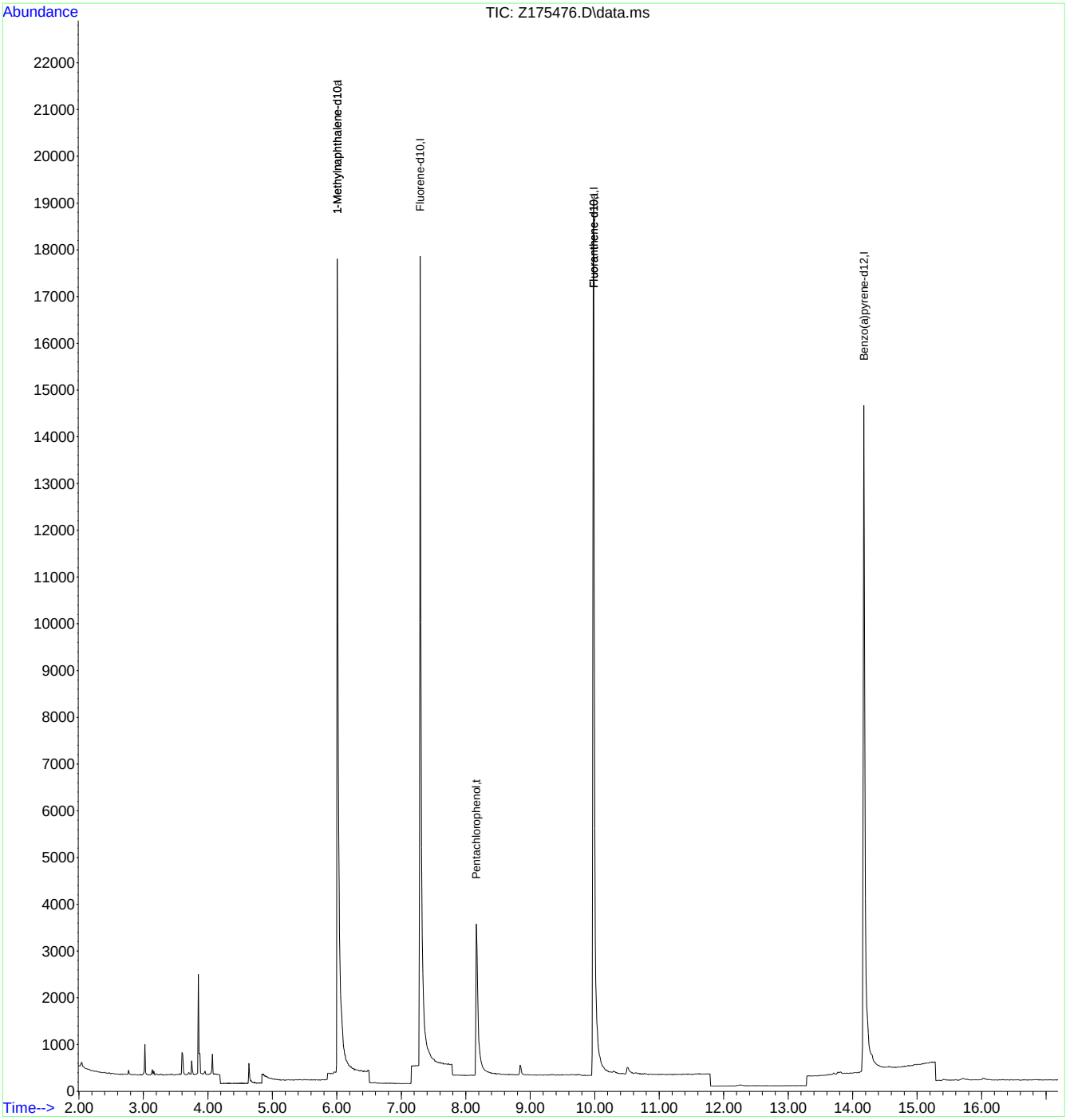
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	6.005	150	11126	800.00	ppb	0.00
12) Fluorene-d10	7.292	176	15158	800.00	ppb	-0.01
19) Fluoranthene-d10	9.984	212	27601	800.00	ppb	0.00
28) Benzo(a)pyrene-d12	14.175	264	22515	800.00	ppb	-0.02
35) 1-Methylnaphthalene-d10a	6.005	150	11126	800.00	ppb	0.00
37) Fluoranthene-d10a	9.984	212	27601	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	0.000	112	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
4) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
6) Nitrobenzene-d5	0.000	82	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
13) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
18) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
25) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
Target Compounds						Qvalue
38) Pentachlorophenol	8.163	266	3400	1000.00	ppb	100

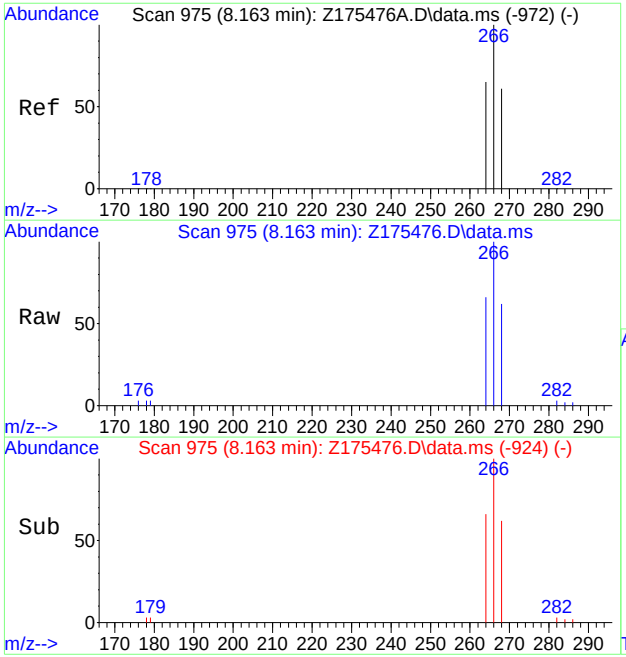
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\EZ8655\
Data File : Z175476.D
Acq On : 11 Sep 2025 3:27 pm
Operator : rocquans
Sample : ic8655-0.2
Misc : op66828a,ez8655,250,,,1,1
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 11 16:29:19 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Sep 11 16:28:08 2025
Response via : Initial Calibration

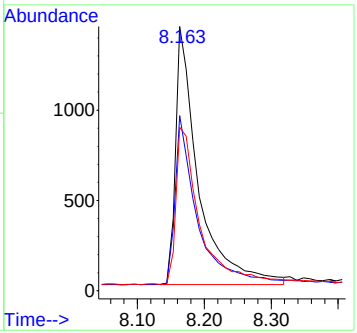




#38
Pentachlorophenol
Concen: 1000.00 ppb
RT: 8.163 min Scan# 975
Delta R.T. 0.000 min
Lab File: Z175476.D
Acq: 11 Sep 2025 3:27 pm

Tgt Ion:266 Resp: 3400

Ion	Ratio	Lower	Upper
266	100		
264	63.1	43.1	83.1
268	65.0	45.0	85.0



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\EZ8655\
Data File : Z175477.D
Acq On : 11 Sep 2025 3:52 pm
Operator : rocquans
Sample : ic8655-0.5
Misc : op66828a,ez8655,250,,,1,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 11 16:30:14 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Sep 11 16:28:08 2025
Response via : Initial Calibration

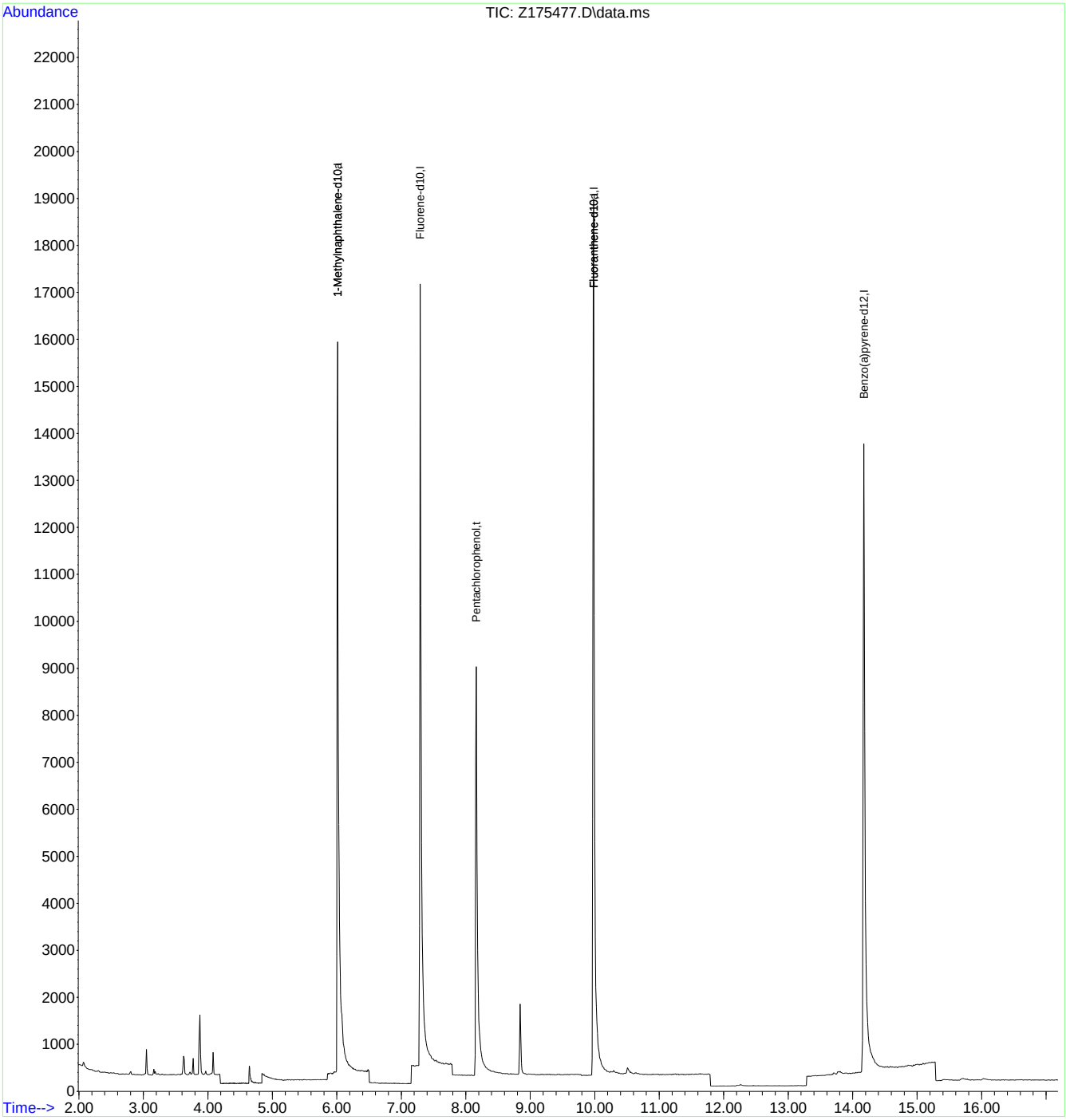
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	6.011	150	10645	800.00	ppb	0.00
12) Fluorene-d10	7.292	176	14365	800.00	ppb	-0.01
19) Fluoranthene-d10	9.984	212	26869	800.00	ppb	0.00
28) Benzo(a)pyrene-d12	14.174	264	22510	800.00	ppb	-0.02
35) 1-Methylnaphthalene-d10a	6.011	150	10645	800.00	ppb	0.00
37) Fluoranthene-d10a	9.984	212	26869	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	0.000	112	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
4) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
6) Nitrobenzene-d5	0.000	82	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
13) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
18) 2,4,6-Tribromophenol	0.000	330	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
25) Terphenyl-d14	0.000	244	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
Target Compounds						Qvalue
38) Pentachlorophenol	8.163	266	8118	2452.69	ppb	96

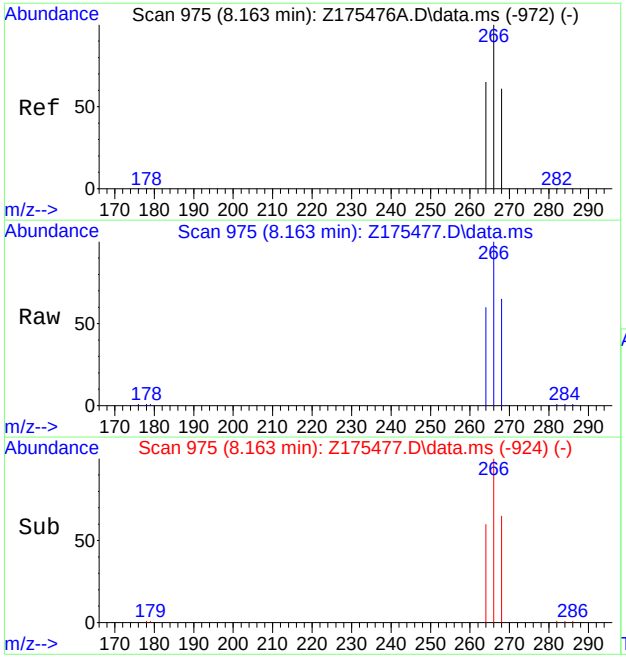
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\EZ8655\
Data File : Z175477.D
Acq On : 11 Sep 2025 3:52 pm
Operator : rocquans
Sample : ic8655-0.5
Misc : op66828a,ez8655,250,,,1,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 11 16:30:14 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Sep 11 16:28:08 2025
Response via : Initial Calibration

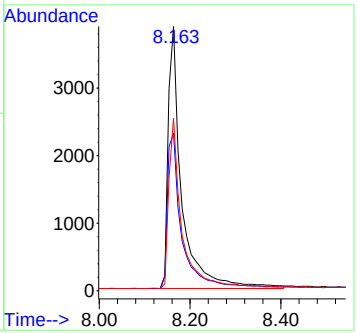




#38
Pentachlorophenol
Concen: 2452.69 ppb
RT: 8.163 min Scan# 975
Delta R.T. -0.000 min
Lab File: Z175477.D
Acq: 11 Sep 2025 3:52 pm

Tgt Ion:266 Resp: 8118

Ion	Ratio	Lower	Upper
266	100		
264	61.1	43.1	83.1
268	60.3	45.0	85.0



9.6.34

9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\EZ8655\
Data File : Z175478.D
Acq On : 11 Sep 2025 4:18 pm
Operator : rocquans
Sample : ic8655-1
Misc : op66828a,ez8655,250,,,1,1
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 11 16:40:11 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Sep 11 16:28:08 2025
Response via : Initial Calibration

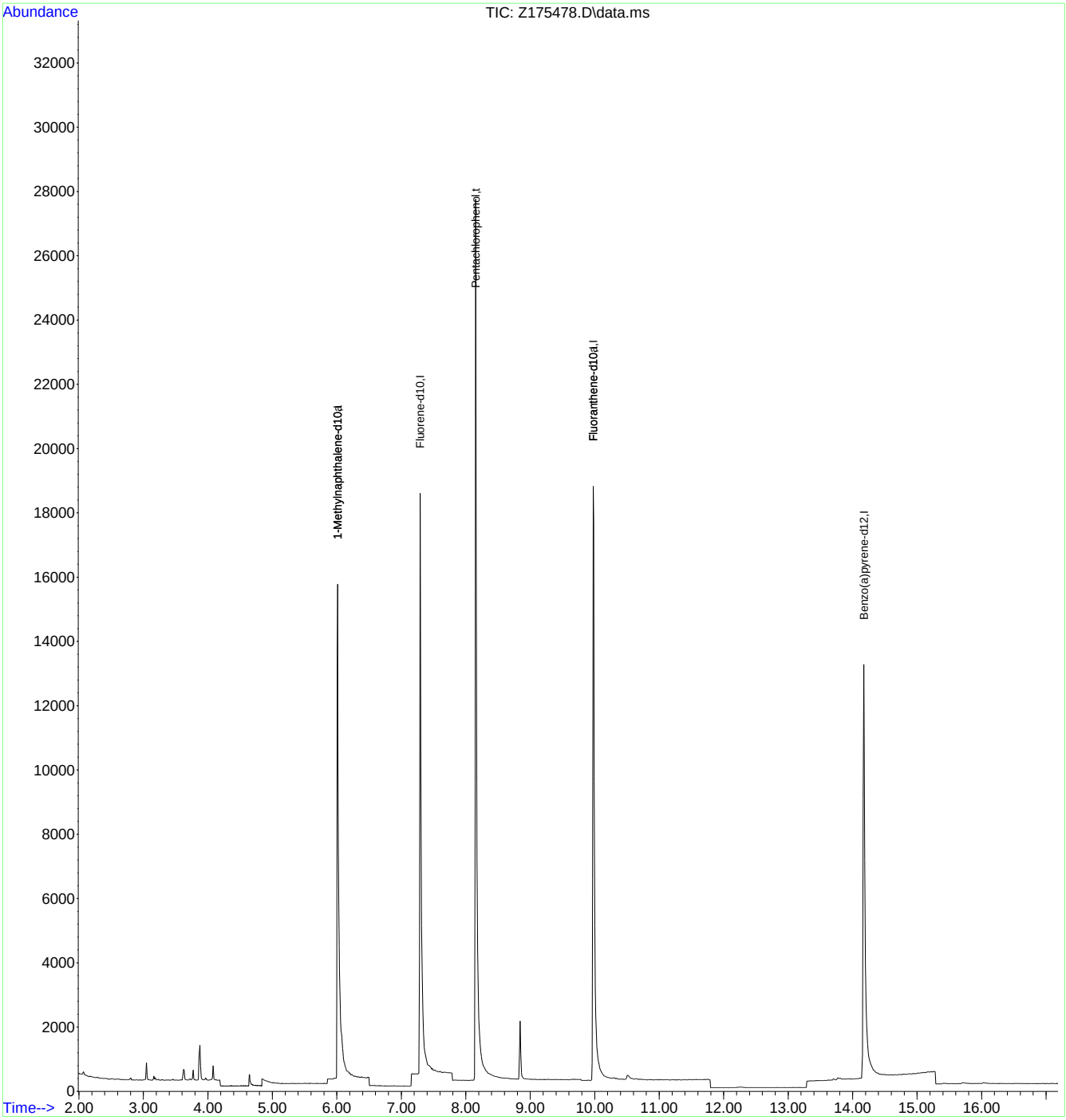
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	6.011	150	11055	800.00	ppb	0.00
12) Fluorene-d10	7.292	176	15343	800.00	ppb	-0.01
19) Fluoranthene-d10	9.975	212	26892	800.00	ppb	-0.02
28) Benzo(a)pyrene-d12	14.174	264	22350	800.00	ppb	-0.02
35) 1-Methylnaphthalene-d10a	6.011	150	11055	800.00	ppb	0.00
37) Fluoranthene-d10a	9.975	212	26892	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	0.000	112	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
4) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
6) Nitrobenzene-d5	0.000	82	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
13) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
18) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
25) Terphenyl-d14	0.000	244	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
Target Compounds						Qvalue
38) Pentachlorophenol	8.154	266	19449	5871.11	ppb	99

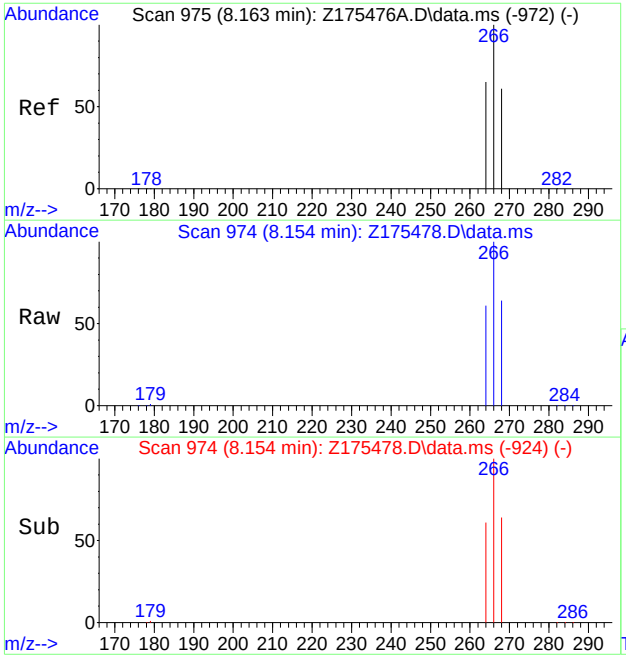
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\EZ8655\
Data File : Z175478.D
Acq On : 11 Sep 2025 4:18 pm
Operator : rocquans
Sample : ic8655-1
Misc : op66828a,ez8655,250,,,1,1
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 11 16:40:11 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Sep 11 16:28:08 2025
Response via : Initial Calibration

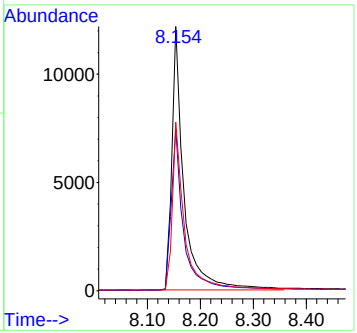




#38
Pentachlorophenol
Concen: 5871.11 ppb
RT: 8.154 min Scan# 974
Delta R.T. -0.010 min
Lab File: Z175478.D
Acq: 11 Sep 2025 4:18 pm

Tgt Ion:266 Resp: 19449

Ion	Ratio	Lower	Upper
266	100		
264	63.2	43.1	83.1
268	63.7	45.0	85.0



9.6.35

9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\EZ8655\
Data File : Z175479.D
Acq On : 11 Sep 2025 4:42 pm
Operator : rocquans
Sample : ic8655-2
Misc : op66828a,ez8655,250,,,1,1
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 11 17:08:03 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Sep 11 16:53:50 2025
Response via : Initial Calibration

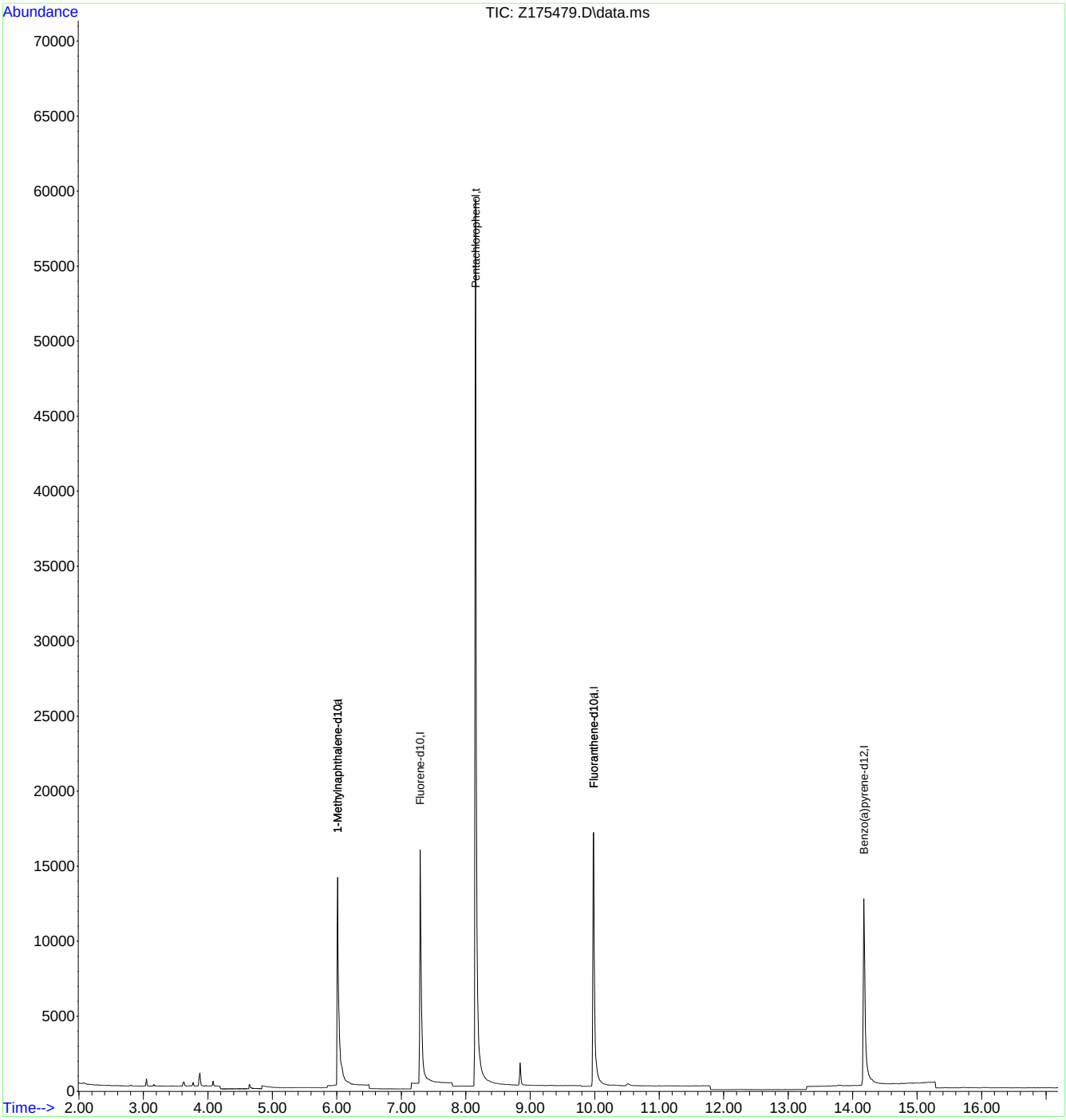
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	6.011	150	10232	800.00	ppb	0.00
12) Fluorene-d10	7.292	176	13490	800.00	ppb	-0.01
19) Fluoranthene-d10	9.984	212	25545	800.00	ppb	0.00
28) Benzo(a)pyrene-d12	14.175	264	21395	800.00	ppb	-0.02
35) 1-Methylnaphthalene-d10a	6.011	150	10232	800.00	ppb	0.00
37) Fluoranthene-d10a	9.984	212	25545	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	0.000	112	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
4) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
6) Nitrobenzene-d5	0.000	82	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
13) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
18) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
25) Terphenyl-d14	0.000	244	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
Target Compounds						Qvalue
38) Pentachlorophenol	8.154	266	43413	12637.88	ppb	99

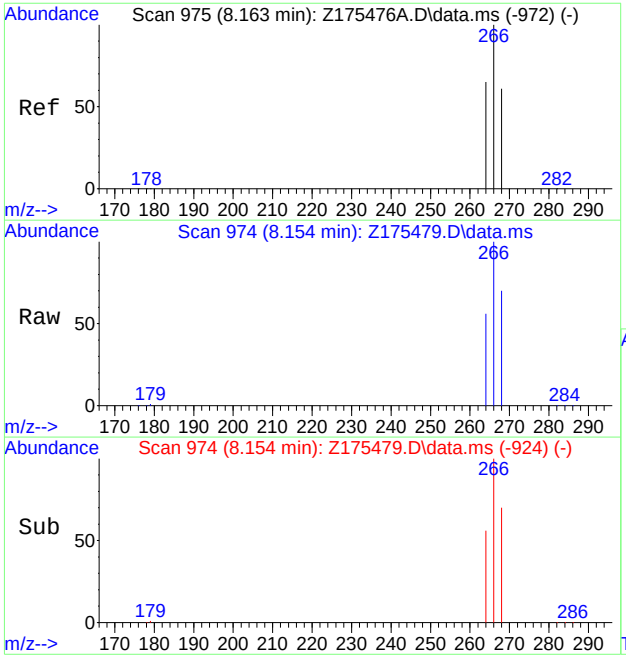
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\EZ8655\
Data File : Z175479.D
Acq On : 11 Sep 2025 4:42 pm
Operator : rocquans
Sample : ic8655-2
Misc : op66828a,ez8655,250,,,1,1
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 11 17:08:03 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Sep 11 16:53:50 2025
Response via : Initial Calibration

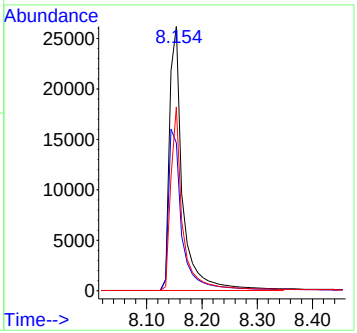




#38
Pentachlorophenol
Concen: 12637.88 ppb
RT: 8.154 min Scan# 974
Delta R.T. -0.009 min
Lab File: Z175479.D
Acq: 11 Sep 2025 4:42 pm

Tgt Ion:266 Resp: 43413

Ion	Ratio	Lower	Upper
266	100		
264	62.9	43.1	83.1
268	63.8	45.0	85.0



9.6.36

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\EZ8655\
Data File : Z175480.D
Acq On : 11 Sep 2025 5:07 pm
Operator : rocquans
Sample : icv8655-1
Misc : op66828a,ez8655,250,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 11 17:33:35 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Sep 11 17:29:52 2025
Response via : Initial Calibration

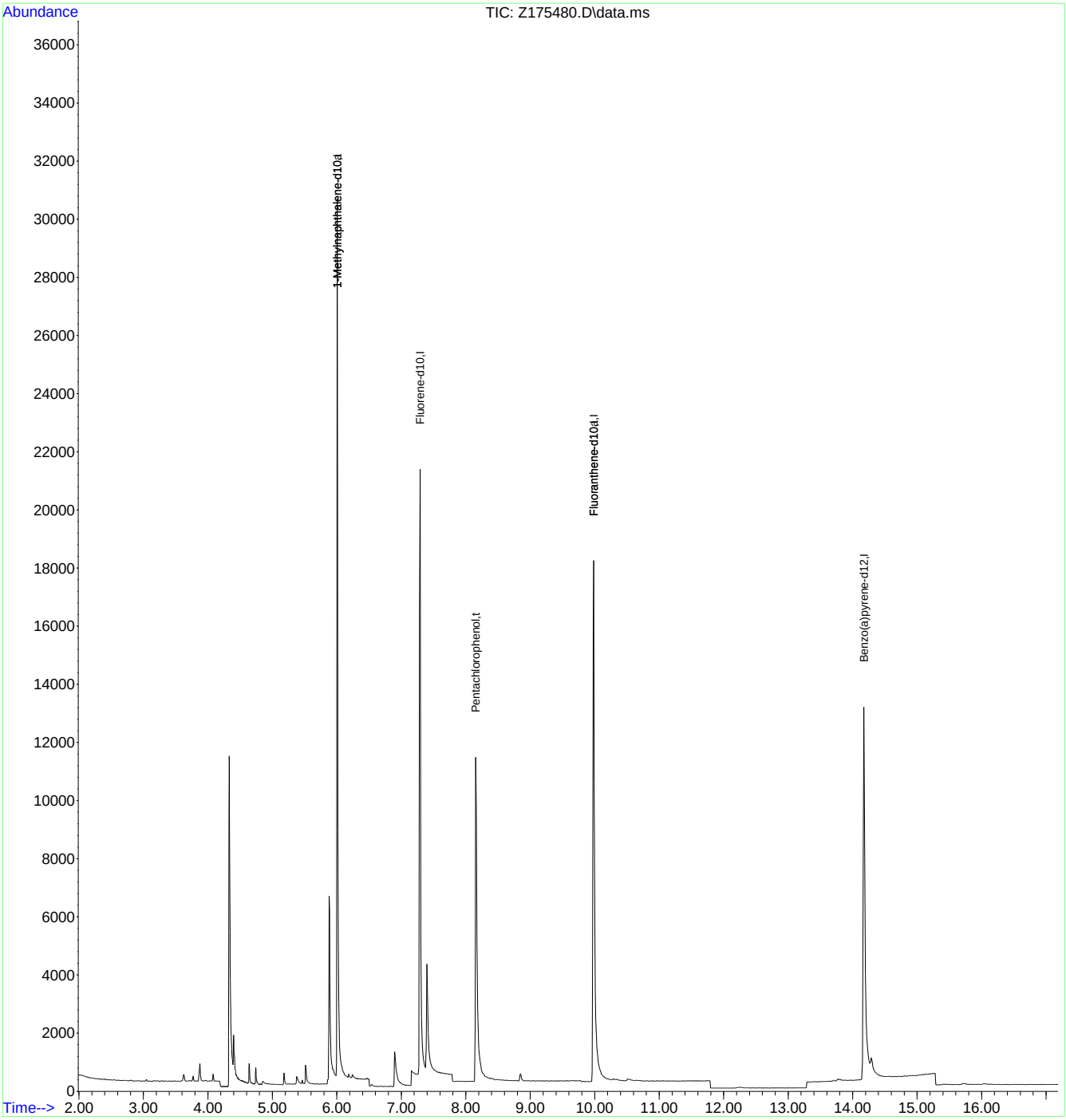
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	6.006	150	11533	800.00	ppb	0.00
12) Fluorene-d10	7.292	176	14977	800.00	ppb	-0.01
19) Fluoranthene-d10	9.984	212	26170	800.00	ppb	0.00
28) Benzo(a)pyrene-d12	14.175	264	20175	800.00	ppb	-0.02
35) 1-Methylnaphthalene-d10a	6.006	150	11533	800.00	ppb	0.00
37) Fluoranthene-d10a	9.984	212	26170	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	0.000	112	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
4) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
6) Nitrobenzene-d5	0.000	82	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
13) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
18) 2,4,6-Tribromophenol	0.000	330	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
25) Terphenyl-d14	0.000	244	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
Target Compounds						Qvalue
38) Pentachlorophenol	8.154	266	9580	2378.23	ppb	98

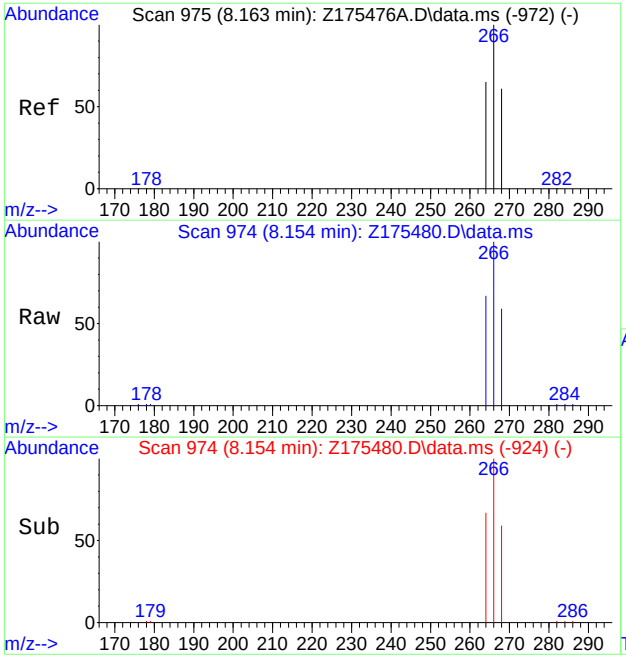
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\EZ8655\
Data File : Z175480.D
Acq On : 11 Sep 2025 5:07 pm
Operator : rocquans
Sample : icv8655-1
Misc : op66828a,ez8655,250,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 11 17:33:35 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Sep 11 17:29:52 2025
Response via : Initial Calibration

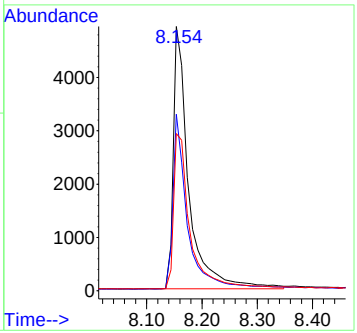




#38
Pentachlorophenol
Concen: 2378.23 ppb
RT: 8.154 min Scan# 974
Delta R.T. -0.009 min
Lab File: Z175480.D
Acq: 11 Sep 2025 5:07 pm

Tgt Ion:266 Resp: 9580

Ion	Ratio	Lower	Upper
266	100		
264	62.5	43.1	83.1
268	62.5	45.0	85.0



Manual Integrations APPROVED (compounds with "m" flag)
Ying Li
10/24/25 13:07

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\nerirose\EZ8689\
Data File : Z176436.d
Acq On : 18 Oct 2025 1:05 pm
Operator : rocquans
Sample : cc8654-0.2 Inst : GCMSZ
Misc : op68111a,ez8689,250,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 20 15:23:30 2025
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Sep 11 17:29:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	5.891	150	11528	800.00	ppb	#-0.12
12) Fluorene-d10	7.135	176	16543	800.00	ppb	-0.17
19) Fluoranthene-d10	9.778	212	30209	800.00	ppb	-0.21
28) Benzo(a)pyrene-d12	13.947	264	21012	800.00	ppb	-0.25
35) 1-Methylnaphthalene-d10a	5.891	150	11528	800.00	ppb	0.00
37) Fluoranthene-d10a	9.778	212	30209	800.00	ppb	-0.21
System Monitoring Compounds						
3) 2-Fluorophenol	3.437	112	41123	5273.76	ppb	-0.18
Spiked Amount 10000.000			Recovery =	52.74%		
4) Phenol-d5	4.182	99	43066	4813.45	ppb	-0.14
Spiked Amount 10000.000			Recovery =	48.13%		
6) Nitrobenzene-d5	4.816	82	43426	4506.98	ppb	-0.13
Spiked Amount 10000.000			Recovery =	45.07%		
13) 2-Fluorobiphenyl	6.112	172	93123	4015.51	ppb	-0.13
Spiked Amount 10000.000			Recovery =	40.16%		
18) 2,4,6-Tribromophenol	7.418	330	16777	4350.01	ppb	-0.17
Spiked Amount 10000.000			Recovery =	43.50%		
25) Terphenyl-d14	10.410	244	95045	3782.91	ppb	-0.21
Spiked Amount 10000.000			Recovery =	37.83%		
Target Compounds						Qvalue
2) 1,4-Dioxane	1.895	88	1039m	234.2248	ppb	
5) Phenol	4.193	94	11072	1177.5518	ppb	# 75
7) Naphthalene	5.346	128	6676	210.3383	ppb	99
8) Hexachlorobutadiene	5.430	225	1584	191.1398	ppb	93
9) 2-Methylnaphthalene	5.844	141	4121	224.7581	ppb	94
10) 1-Methylnaphthalene	5.915	141	4108	211.5675	ppb	94
14) Acenaphthylene	6.541	152	6942	213.5332	ppb	99
15) Acenaphthene	6.687	153	4762	203.2133	ppb	89
16) Fluorene	7.166	166	5459	217.5104	ppb	98
17) 4,6-dinitro-2-methylph...	7.250	198	3634	1320.7135	ppb	# 69
20) Hexachlorobenzene	7.741	284	1957	182.0102	ppb	99
21) Phenanthrene	8.217	178	8033	216.1142	ppb	95
22) Anthracene	8.285	178	8155	172.5459	ppb	99
23) Fluoranthene	9.803	202	9412	200.4845	ppb	99
24) Pyrene	10.131	202	9989	206.2251	ppb	97
26) Benzo[a]anthracene	11.963	228	8055	252.7710	ppb	99
27) Chrysene	12.015	228	9323m	188.4527	ppb	
29) Benzo[b]fluoranthene	13.545	252	6941	198.8723	ppb	98
30) Benzo[k]fluoranthene	13.579	252	8010	189.3290	ppb	99
31) Benzo[a]pyrene	13.982	252	7129	190.4651	ppb	96
32) Indeno[1,2,3-cd]pyrene	15.399	276	8371	187.2869	ppb	97
33) Dibenz[a,h]anthracene	15.418	278	6973	194.9319	ppb	99
34) Benzo[g,h,i]perylene	15.716	276	6844	183.2066	ppb	99
38) Pentachlorophenol	7.984	266	4155	1009.0426	ppb	97

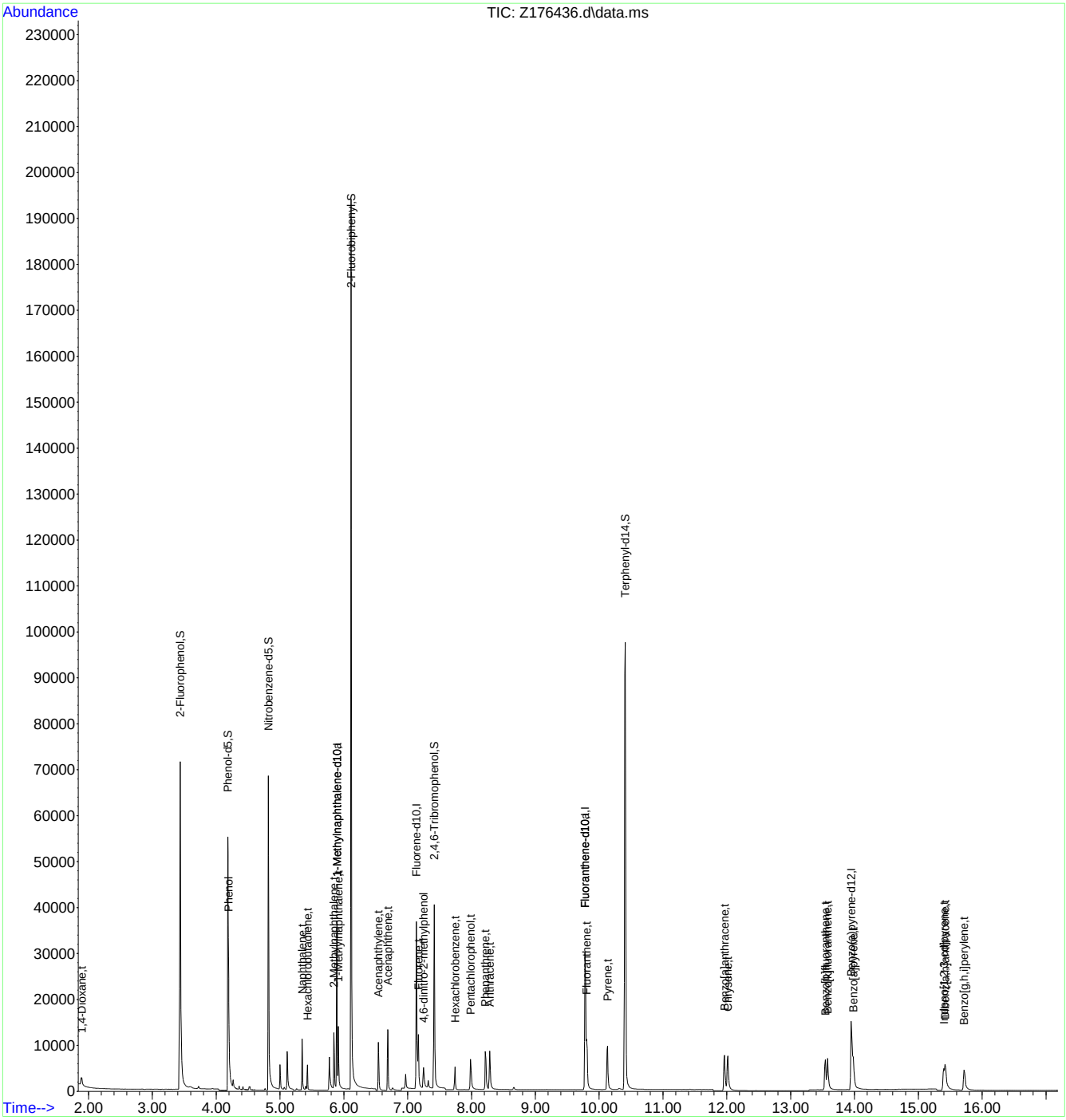
(#) = qualifier out of range (m) = manual integration (+) = signals summed

9.6.38
6

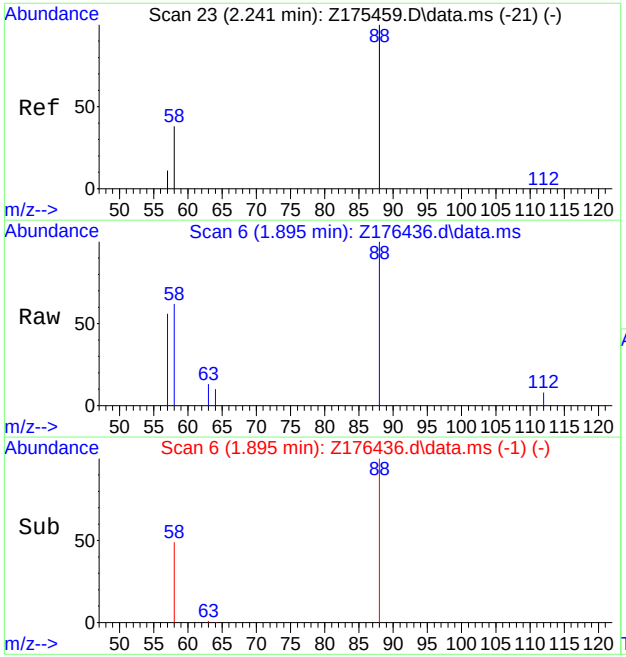
Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\nerirose\EZ8689\
Data File : Z176436.d
Acq On : 18 Oct 2025 1:05 pm
Operator : rocquans
Sample : cc8654-0.2 Inst : GCMSZ
Misc : op68111a,ez8689,250,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 20 15:23:30 2025
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Sep 11 17:29:52 2025
Response via : Initial Calibration



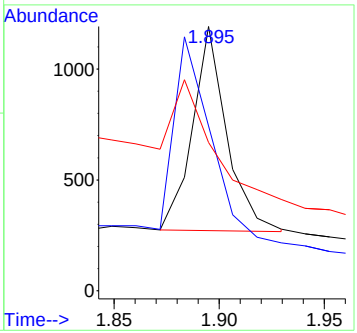
9.6.38
6

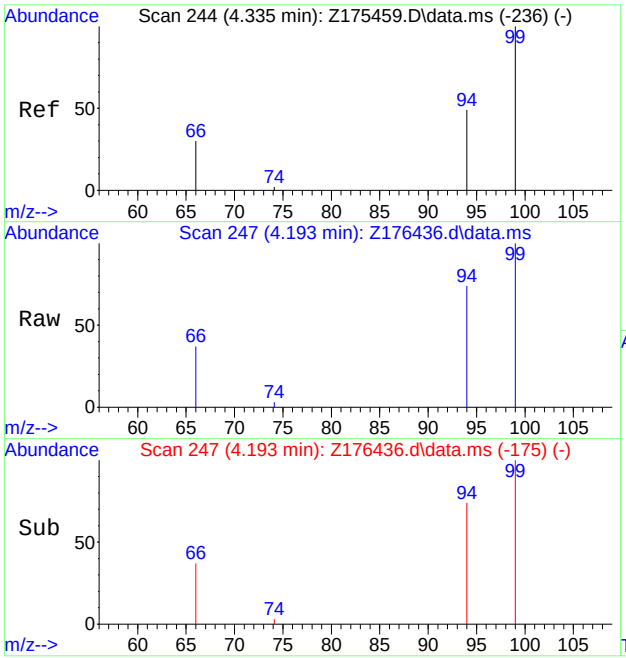


#2
1,4-Dioxane
Concen: 234.2248 ppb m
RT: 1.895 min Scan# 6
Delta R.T. 0.000 min
Lab File: Z176436.d
Acq: 18 Oct 2025 1:05 pm

Tgt Ion: 88 Resp: 1039

Ion	Ratio	Lower	Upper
88	100		
58	62.3	42.3	82.3
57	56.1	36.1	76.1

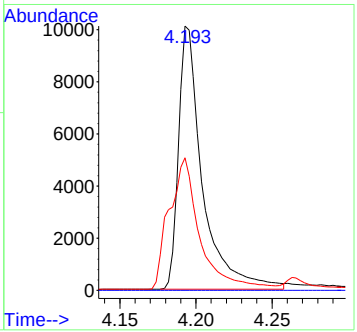


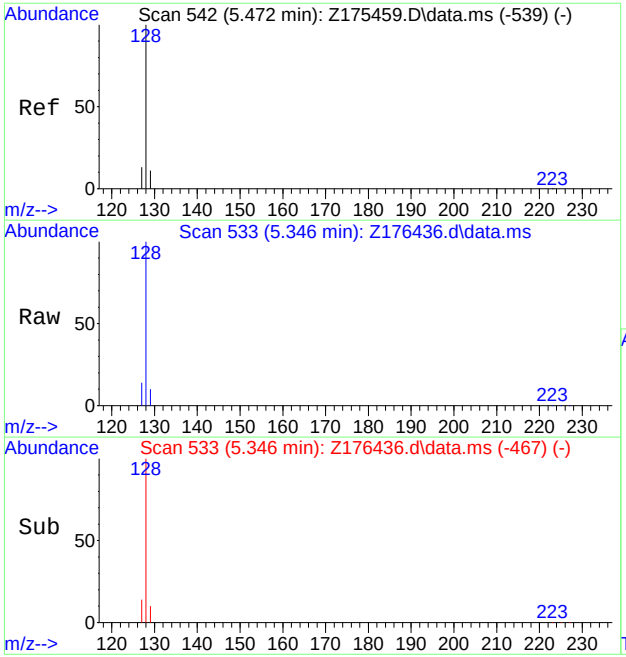


#5
Phenol
Concen: 1177.5518 ppb
RT: 4.193 min Scan# 247
Delta R.T. -0.142 min
Lab File: Z176436.d
Acq: 18 Oct 2025 1:05 pm

Tgt Ion: 94 Resp: 11072

Ion	Ratio	Lower	Upper
94	100		
65	0.0	0.0	0.0
66	42.7	49.8	74.8#

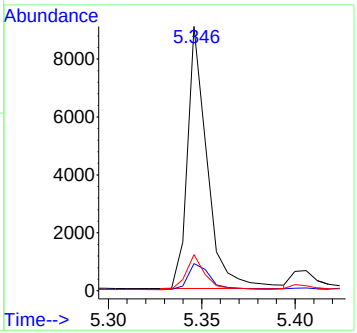


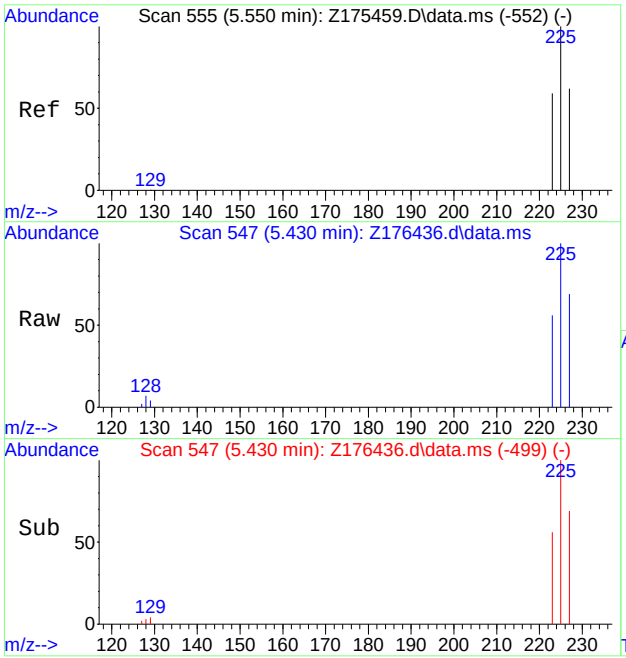


#7
Naphthalene
Concen: 210.3383 ppb
RT: 5.346 min Scan# 533
Delta R.T. -0.126 min
Lab File: Z176436.d
Acq: 18 Oct 2025 1:05 pm

Tgt Ion:128 Resp: 6676

Ion	Ratio	Lower	Upper
128	100		
129	9.9	0.0	40.6
127	13.2	0.0	43.3

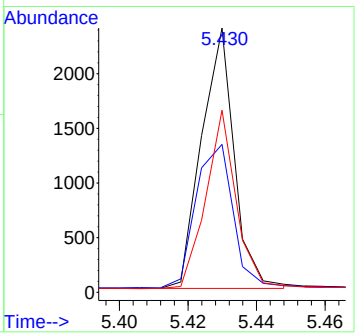


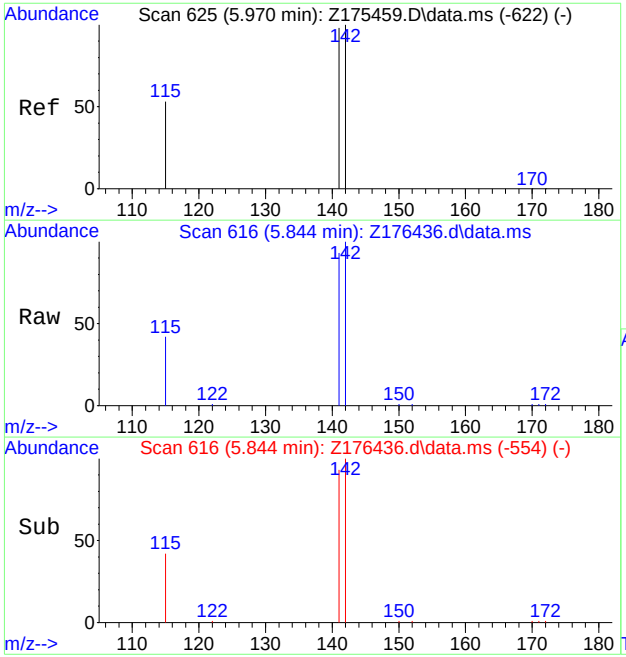


#8
Hexachlorobutadiene
Concen: 191.1398 ppb
RT: 5.430 min Scan# 547
Delta R.T. -0.120 min
Lab File: Z176436.d
Acq: 18 Oct 2025 1:05 pm

Tgt Ion:225 Resp: 1584

Ion	Ratio	Lower	Upper
225	100		
223	55.2	29.0	89.0
227	68.5	32.1	92.1

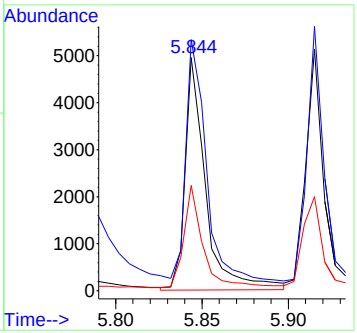


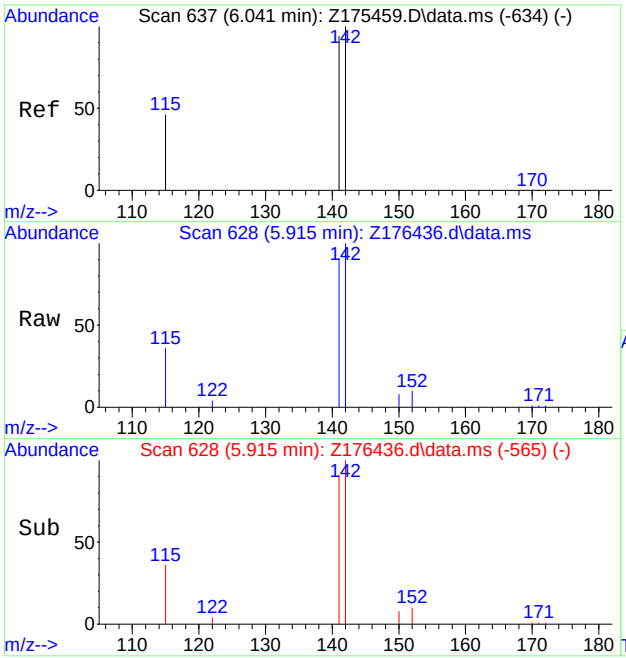


#9
2-Methylnaphthalene
Concen: 224.7581 ppb
RT: 5.844 min Scan# 616
Delta R.T. -0.126 min
Lab File: Z176436.d
Acq: 18 Oct 2025 1:05 pm

Tgt Ion:141 Resp: 4121

Ion	Ratio	Lower	Upper
141	100		
142	104.7	77.1	137.1
115	44.4	24.3	84.3

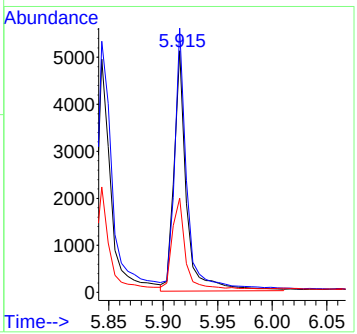


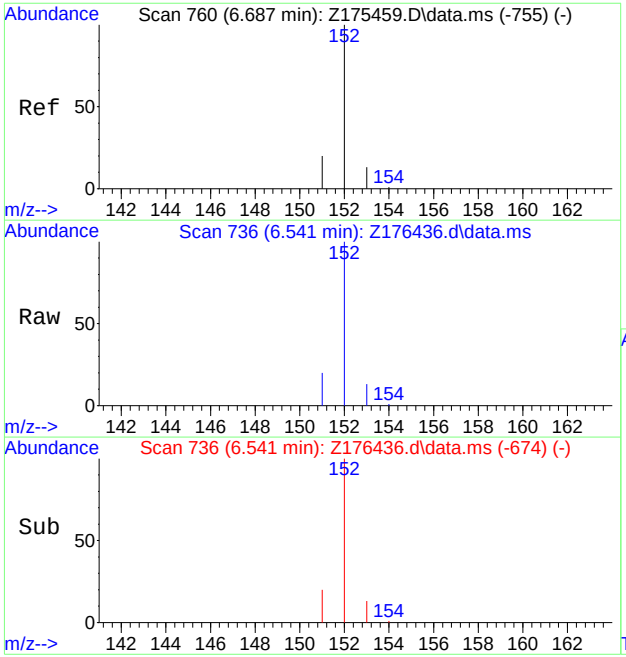


#10
1-Methylnaphthalene
Concen: 211.5675 ppb
RT: 5.915 min Scan# 628
Delta R.T. -0.126 min
Lab File: Z176436.d
Acq: 18 Oct 2025 1:05 pm

Tgt Ion:141 Resp: 4108

Ion	Ratio	Lower	Upper
141	100		
142	108.9	77.6	137.6
115	37.8	19.1	79.1

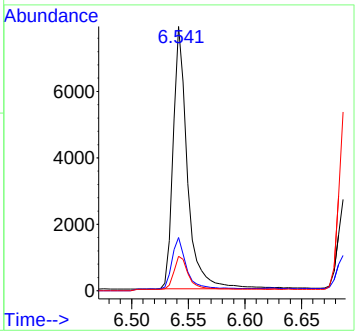


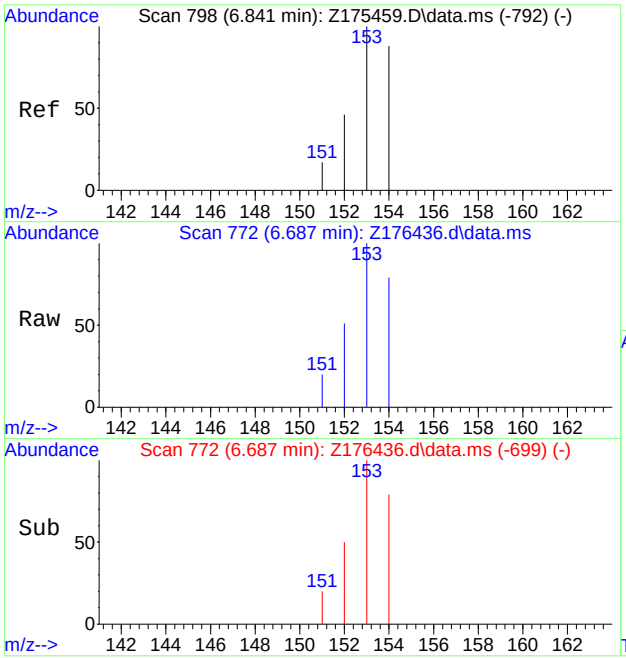


#14
Acenaphthylene
Concen: 213.5332 ppb
RT: 6.541 min Scan# 736
Delta R.T. -0.146 min
Lab File: Z176436.d
Acq: 18 Oct 2025 1:05 pm

Tgt Ion:152 Resp: 6942

Ion	Ratio	Lower	Upper
152	100		
151	19.5	0.0	50.1
153	12.6	0.0	42.6

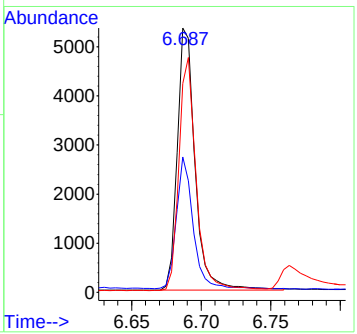


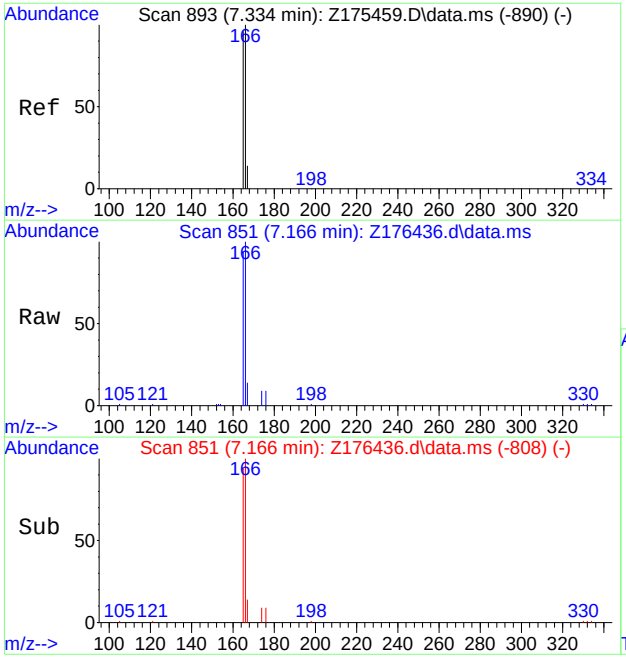


#15
Acenaphthene
Concen: 203.2133 ppb
RT: 6.687 min Scan# 772
Delta R.T. -0.154 min
Lab File: Z176436.d
Acq: 18 Oct 2025 1:05 pm

Tgt Ion:153 Resp: 4762

Ion	Ratio	Lower	Upper
153	100		
152	50.2	16.6	76.6
154	75.1	57.9	117.9

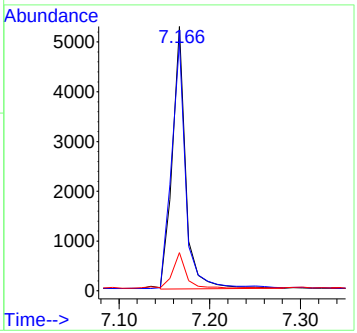


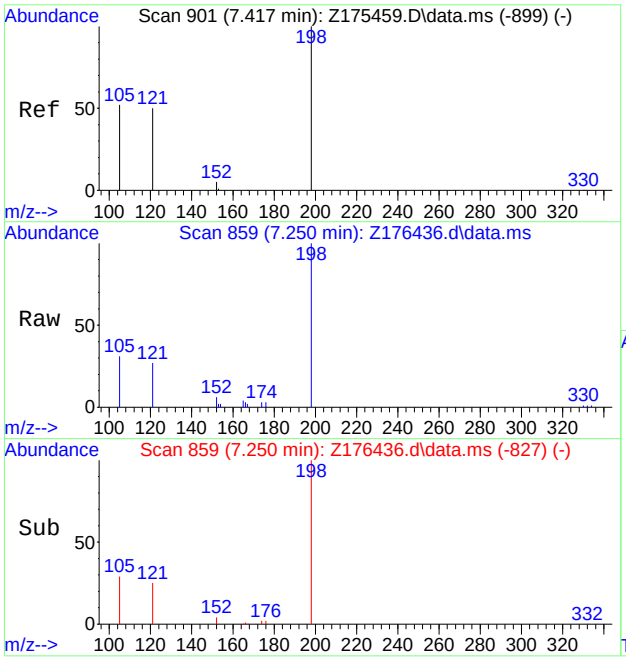


#16
Fluorene
Concen: 217.5104 ppb
RT: 7.166 min Scan# 851
Delta R.T. -0.167 min
Lab File: Z176436.d
Acq: 18 Oct 2025 1:05 pm

Tgt Ion:166 Resp: 5459

Ion	Ratio	Lower	Upper
166	100		
165	93.9	65.8	125.8
167	13.4	0.0	43.5

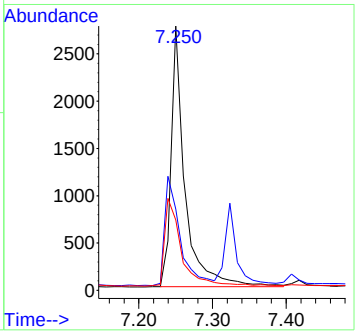


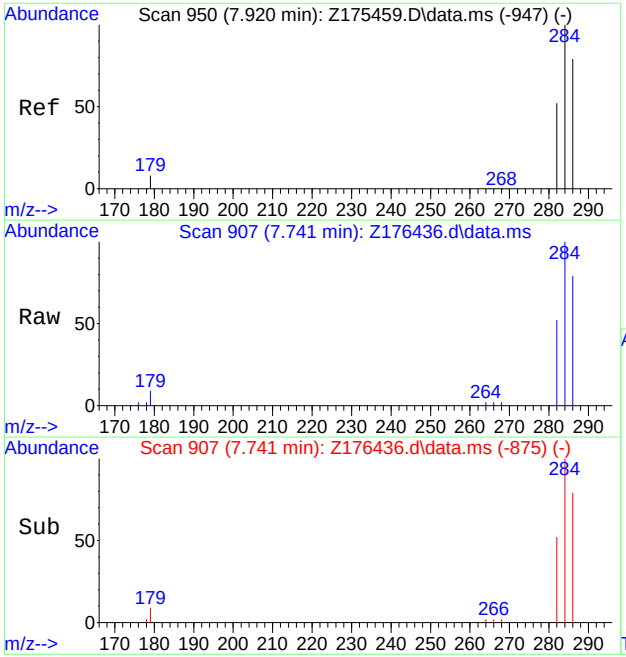


#17
4,6-dinitro-2-methylphenol
Concen: 1320.7135 ppb
RT: 7.250 min Scan# 859
Delta R.T. -0.167 min
Lab File: Z176436.d
Acq: 18 Oct 2025 1:05 pm

Tgt Ion:198 Resp: 3634

Ion	Ratio	Lower	Upper
198	100		
105	28.3	25.6	65.6
121	25.1	29.8	69.8#

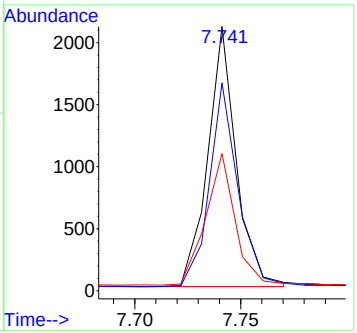


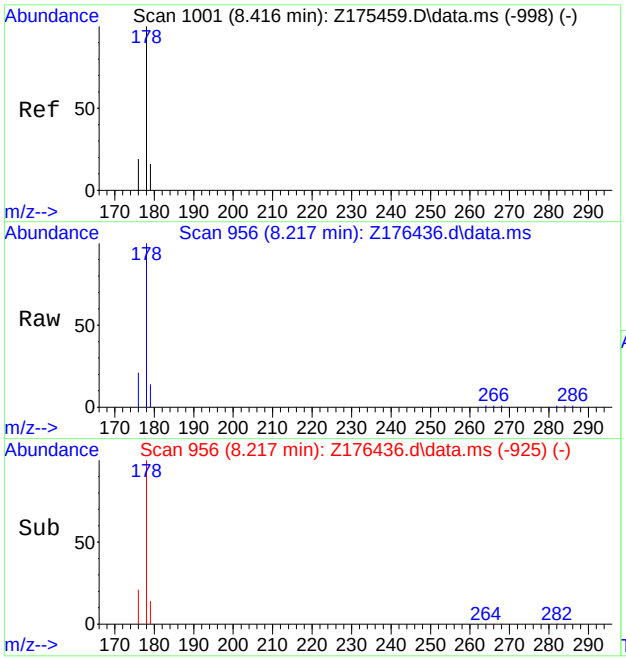


#20
Hexachlorobenzene
Concen: 182.0102 ppb
RT: 7.741 min Scan# 907
Delta R.T. -0.179 min
Lab File: Z176436.d
Acq: 18 Oct 2025 1:05 pm

Tgt Ion:284 Resp: 1957

Ion	Ratio	Lower	Upper
284	100		
286	78.4	48.9	108.9
282	50.7	22.1	82.1

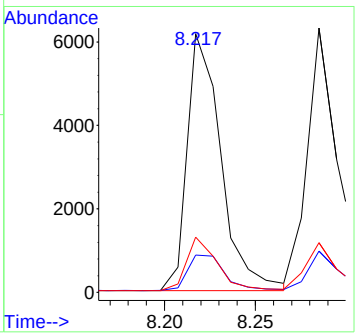


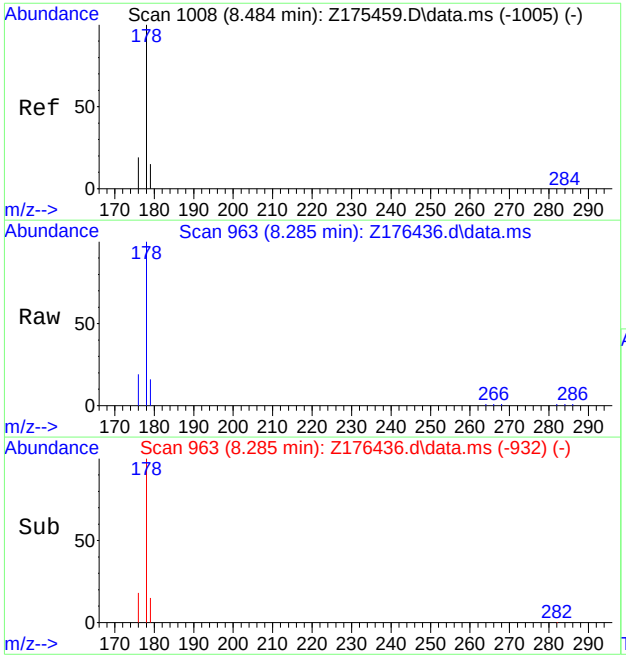


#21
Phenanthrene
Concen: 216.1142 ppb
RT: 8.217 min Scan# 956
Delta R.T. -0.199 min
Lab File: Z176436.d
Acq: 18 Oct 2025 1:05 pm

Tgt Ion:178 Resp: 8033

Ion	Ratio	Lower	Upper
178	100		
179	13.8	0.0	45.6
176	20.9	0.0	48.6

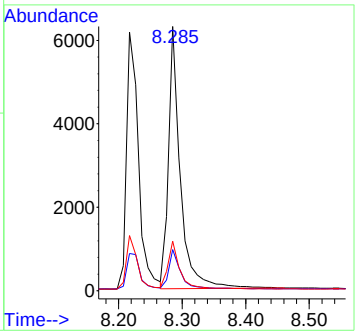


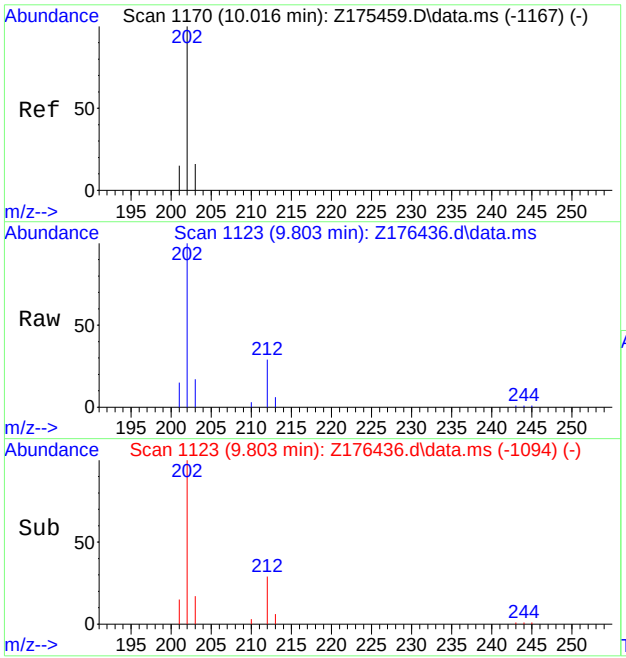


#22
Anthracene
Concen: 172.5459 ppb
RT: 8.285 min Scan# 963
Delta R.T. -0.199 min
Lab File: Z176436.d
Acq: 18 Oct 2025 1:05 pm

Tgt Ion:178 Resp: 8155

Ion	Ratio	Lower	Upper
178	100		
179	15.0	0.0	44.8
176	18.3	0.0	48.7

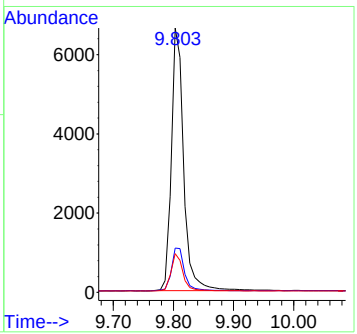


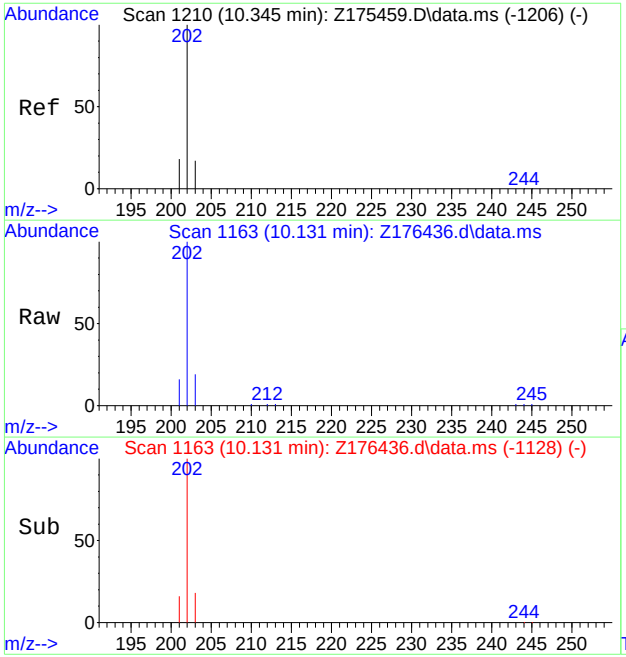


#23
Fluoranthene
Concen: 200.4845 ppb
RT: 9.803 min Scan# 1123
Delta R.T. -0.214 min
Lab File: Z176436.d
Acq: 18 Oct 2025 1:05 pm

Tgt Ion:202 Resp: 9412

Ion	Ratio	Lower	Upper
202	100		
203	16.2	0.0	46.4
201	14.2	0.0	45.1

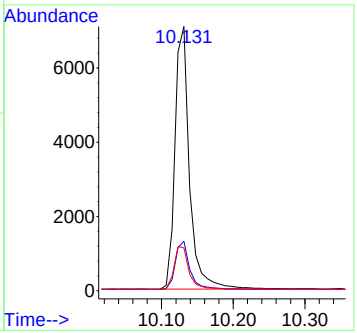


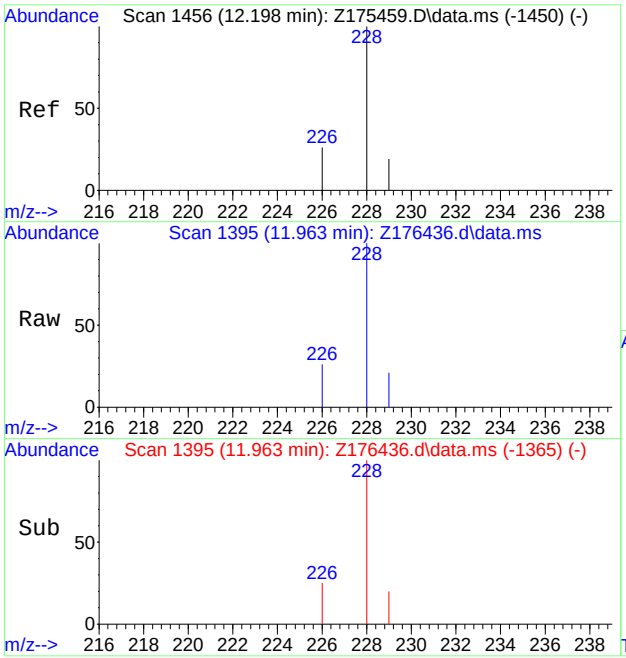


#24
Pyrene
Concen: 206.2251 ppb
RT: 10.131 min Scan# 1163
Delta R.T. -0.214 min
Lab File: Z176436.d
Acq: 18 Oct 2025 1:05 pm

Tgt Ion:202 Resp: 9989

Ion	Ratio	Lower	Upper
202	100		
203	18.3	0.0	47.4
201	15.8	0.0	47.8

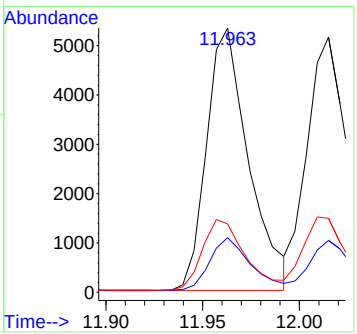


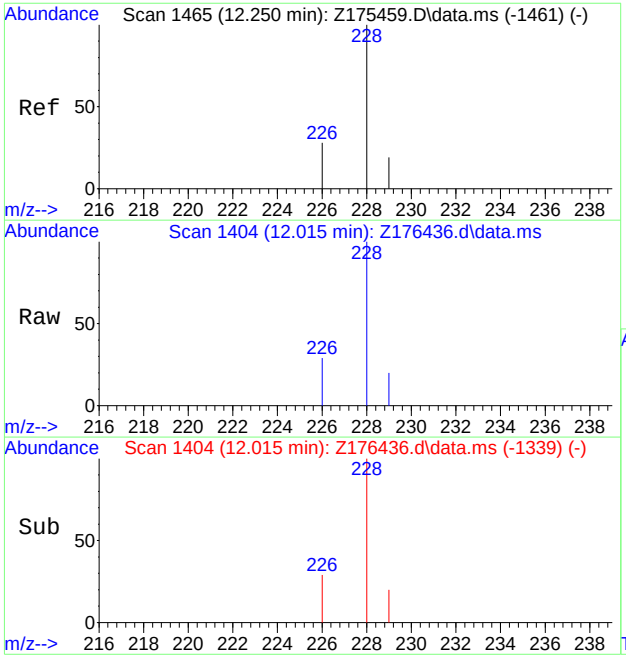


#26
Benzo[a]anthracene
Concen: 252.7710 ppb
RT: 11.963 min Scan# 1395
Delta R.T. -0.235 min
Lab File: Z176436.d
Acq: 18 Oct 2025 1:05 pm

Tgt Ion:228 Resp: 8055

Ion	Ratio	Lower	Upper
228	100		
229	20.0	0.0	49.3
226	25.0	0.0	55.6

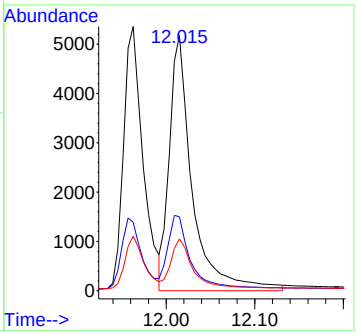


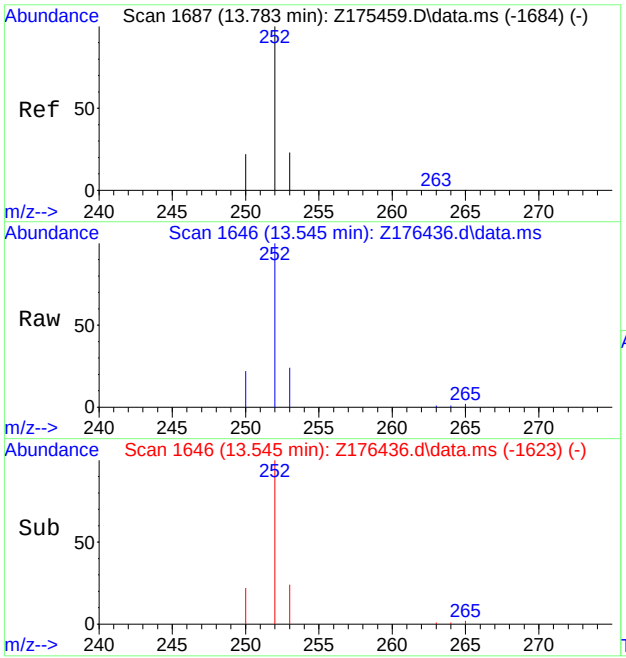


#27
Chrysene
Concen: 188.4527 ppb m
RT: 12.015 min Scan# 1404
Delta R.T. 0.000 min
Lab File: Z176436.d
Acq: 18 Oct 2025 1:05 pm

Tgt Ion:228 Resp: 9323

Ion	Ratio	Lower	Upper
228	100		
226	29.0	0.0	59.0
229	20.3	0.0	50.3

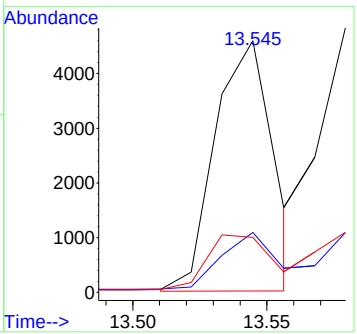


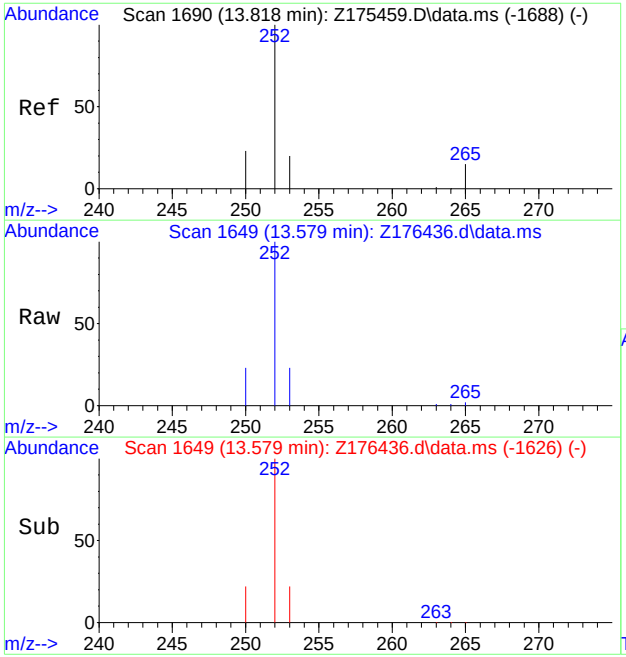


#29
Benzo[b]fluoranthene
Concen: 198.8723 ppb
RT: 13.545 min Scan# 1646
Delta R.T. -0.238 min
Lab File: Z176436.d
Acq: 18 Oct 2025 1:05 pm

Tgt Ion:252 Resp: 6941

Ion	Ratio	Lower	Upper
252	100		
253	22.2	0.0	52.6
250	20.8	0.0	51.9

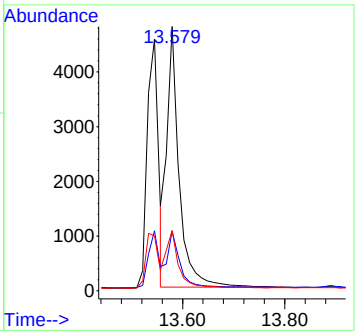


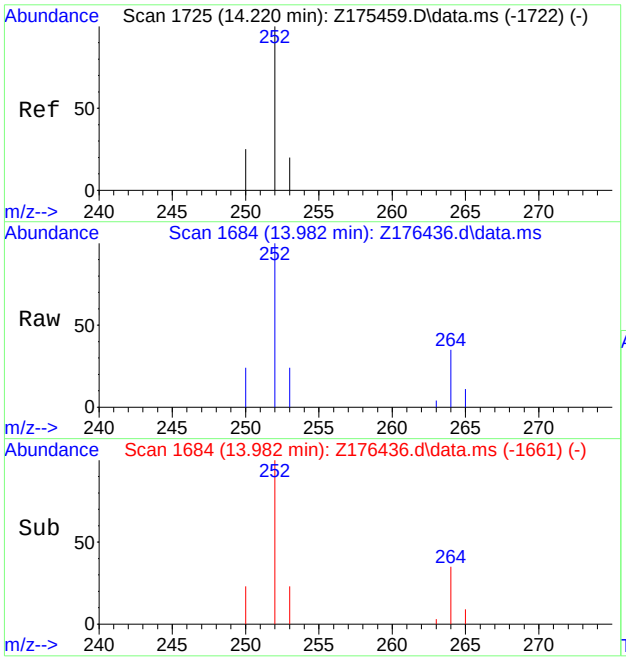


#30
Benzo[k]fluoranthene
Concen: 189.3290 ppb
RT: 13.579 min Scan# 1649
Delta R.T. -0.238 min
Lab File: Z176436.d
Acq: 18 Oct 2025 1:05 pm

Tgt Ion:252 Resp: 8010

Ion	Ratio	Lower	Upper
252	100		
253	20.8	0.0	51.0
250	22.0	0.0	53.1

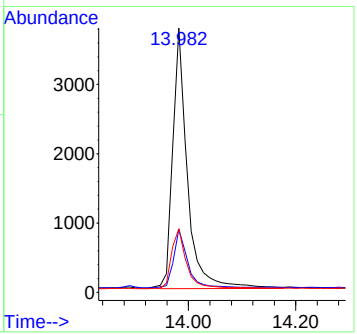


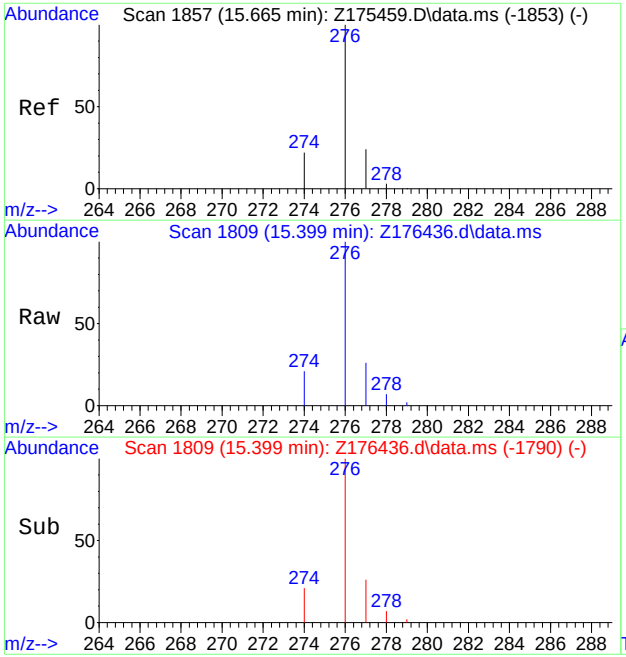


#31
Benzo[a]pyrene
Concen: 190.4651 ppb
RT: 13.982 min Scan# 1684
Delta R.T. -0.238 min
Lab File: Z176436.d
Acq: 18 Oct 2025 1:05 pm

Tgt Ion:252 Resp: 7129

Ion	Ratio	Lower	Upper
252	100		
253	22.5	0.0	50.2
250	23.0	0.0	54.3

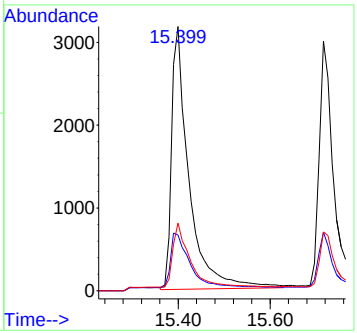


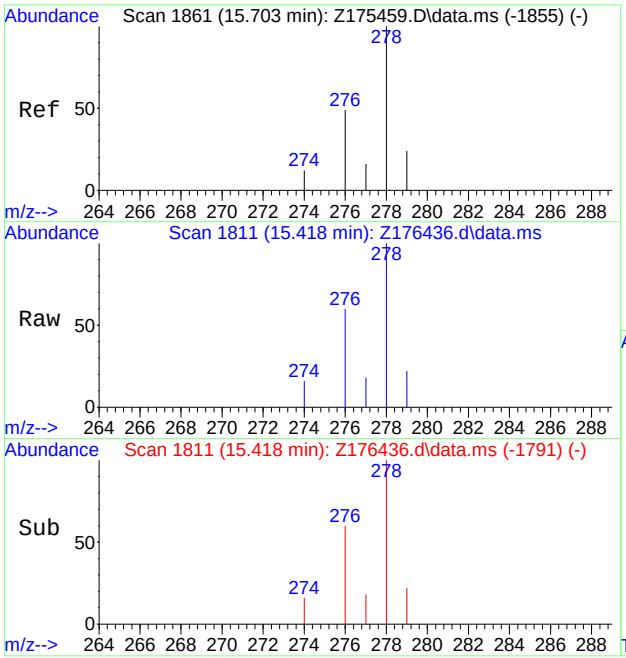


#32
Indeno[1,2,3-cd]pyrene
Concen: 187.2869 ppb
RT: 15.399 min Scan# 1809
Delta R.T. -0.266 min
Lab File: Z176436.d
Acq: 18 Oct 2025 1:05 pm

Tgt Ion:276 Resp: 8371

Ion	Ratio	Lower	Upper
276	100		
274	20.1	0.0	51.7
277	24.6	0.0	53.6

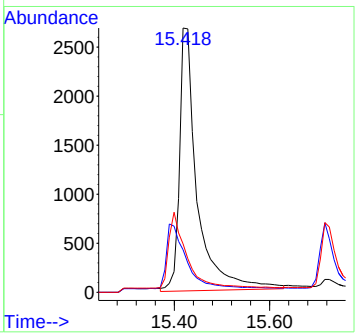


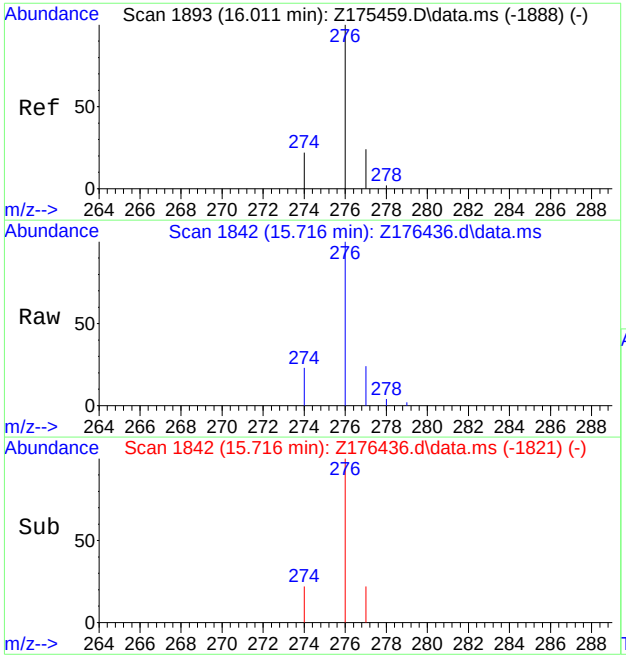


#33
Dibenz[a,h]anthracene
Concen: 194.9319 ppb
RT: 15.418 min Scan# 1811
Delta R.T. -0.285 min
Lab File: Z176436.d
Acq: 18 Oct 2025 1:05 pm

Tgt Ion:278 Resp: 6973

Ion	Ratio	Lower	Upper
278	100		
274	14.6	0.0	44.0
277	16.9	0.0	46.5

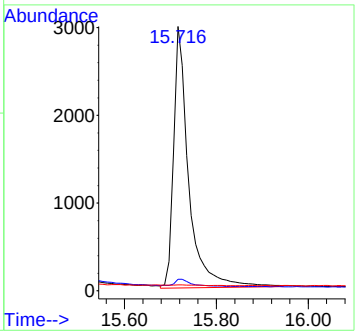


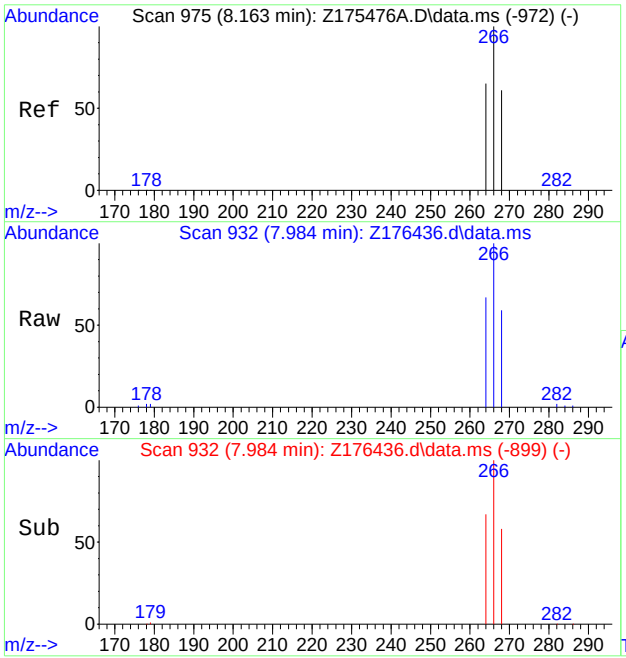


#34
Benzo[g,h,i]perylene
Concen: 183.2066 ppb
RT: 15.716 min Scan# 1842
Delta R.T. -0.294 min
Lab File: Z176436.d
Acq: 18 Oct 2025 1:05 pm

Tgt Ion:276 Resp: 6844

Ion	Ratio	Lower	Upper
276	100		
278	2.6	0.0	32.8
279	0.2	0.0	30.0

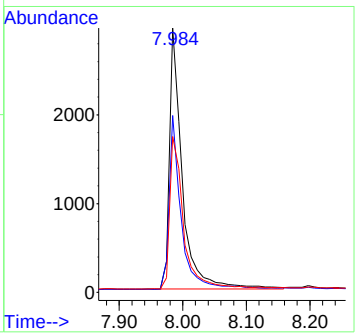




#38
Pentachlorophenol
Concen: 1009.0426 ppb
RT: 7.984 min Scan# 932
Delta R.T. -0.179 min
Lab File: Z176436.d
Acq: 18 Oct 2025 1:05 pm

Tgt Ion:266 Resp: 4155

Ion	Ratio	Lower	Upper
266	100		
264	60.6	43.1	83.1
268	63.2	45.0	85.0



Manual Integration Approval Summary

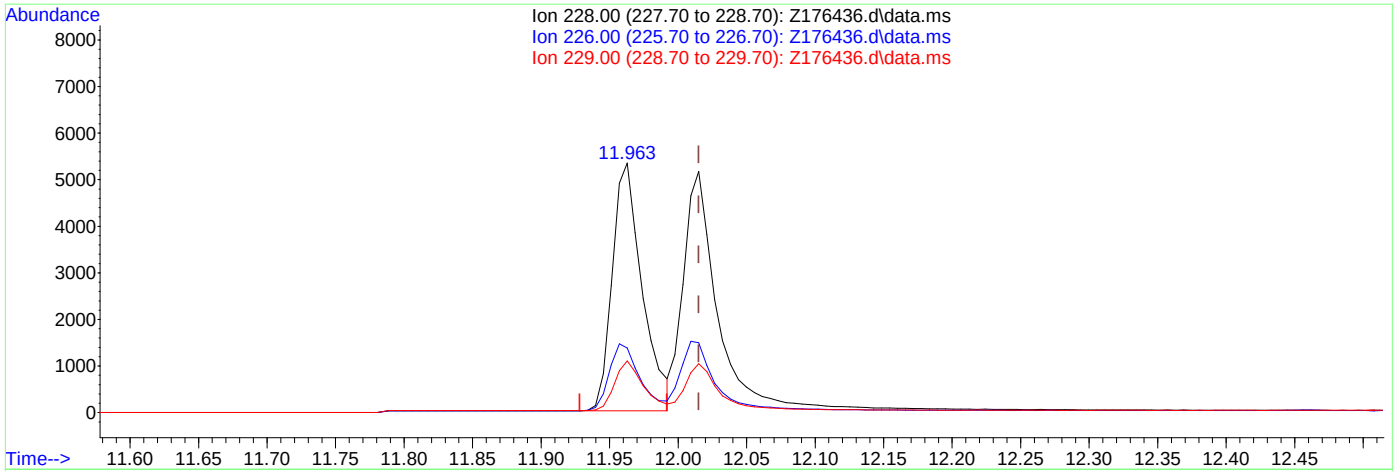
Sample Number: EZ8689-CC8654
Lab FileID: Z176436.D
Injection Time: 10/18/25 13:05
Method: SW846 8270E BY SIM
Analyst approved: 10/20/25 03:30 NeriRose Cuevas
Supervisor approved: 10/24/25 13:07 Ying Li

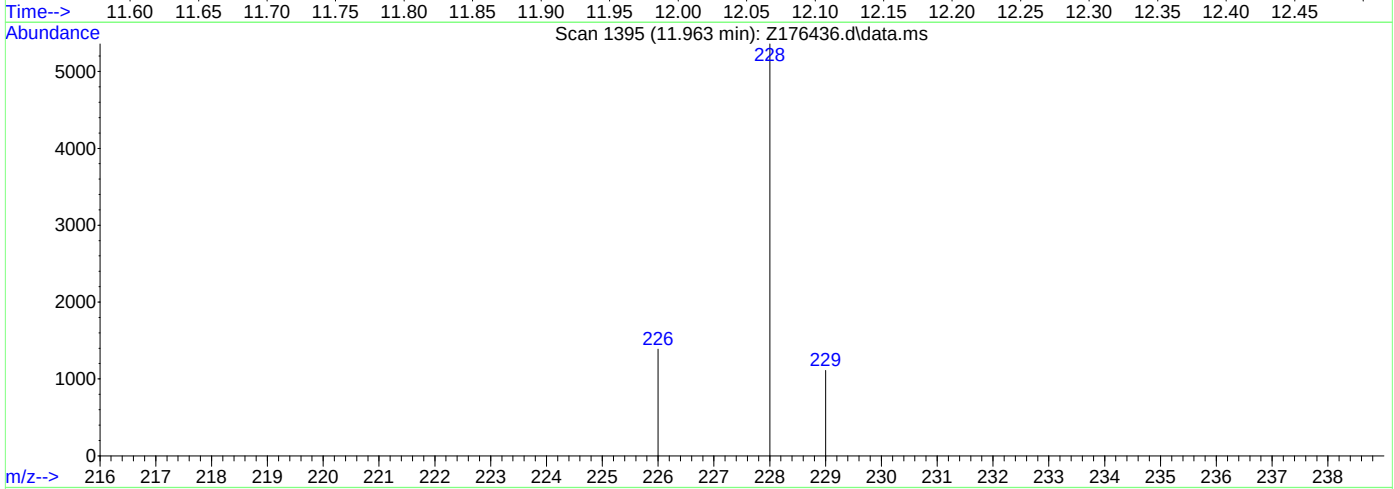
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,4-Dioxane	123-91-1		1.89	Poor instrument integration
Chrysene	218-01-9		12.02	Poor instrument integration

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\nerirose\EZ8689\
Data File : Z176436.d
Acq On : 18 Oct 2025 1:05 pm
Operator : rocquans
Sample : cc8654-0.2 Inst : GCMSZ
Misc : op68111a,ez8689,250,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 20 15:22:22 2025
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Sep 11 17:29:52 2025
Response via : Initial Calibration





TIC: Z176436.d\data.ms

(27) Chrysene (t)

11.963min (-0.052) 162.82ppb

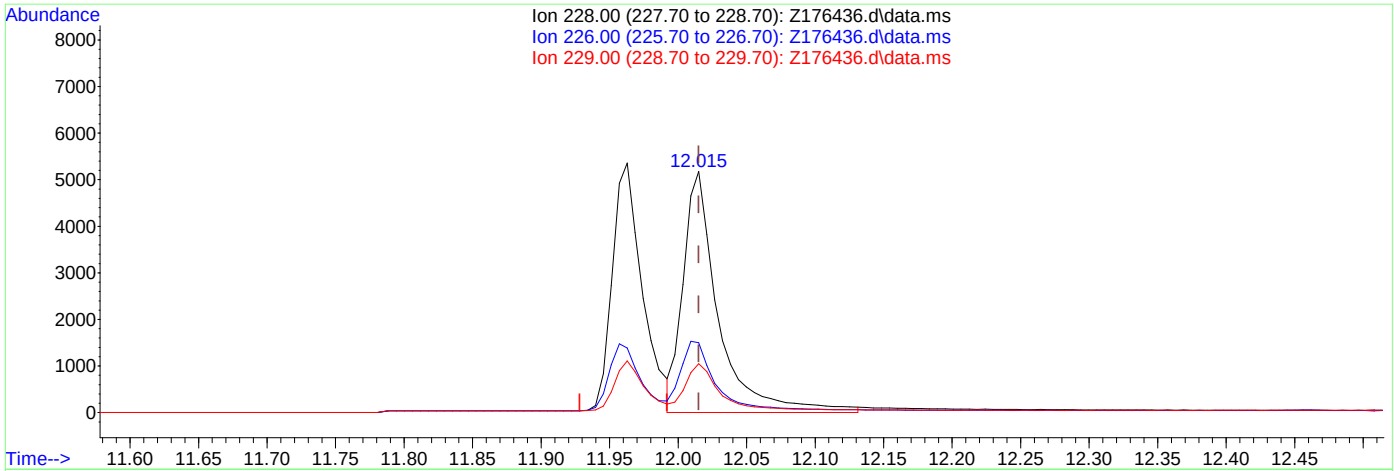
response 8055

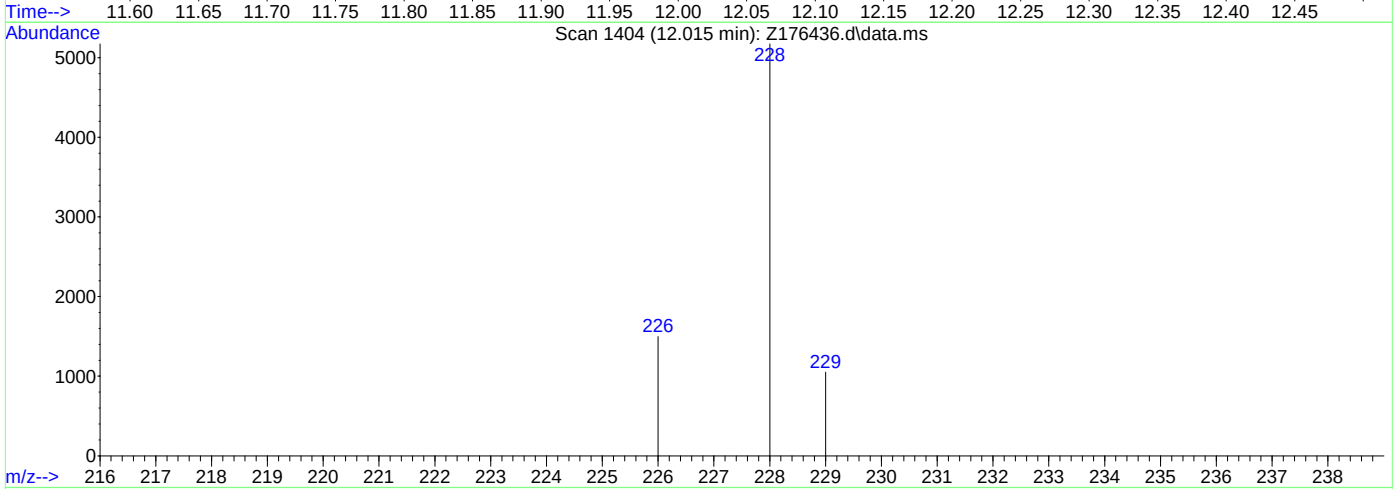
Ion	Exp%	Act%
228.00	100	100
226.00	29.00	25.00
229.00	20.30	20.04
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\nerirose\EZ8689\
Data File : Z176436.d
Acq On : 18 Oct 2025 1:05 pm
Operator : rocquans
Sample : cc8654-0.2 Inst : GCMSZ
Misc : op68111a,ez8689,250,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 20 15:22:22 2025
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Sep 11 17:29:52 2025
Response via : Initial Calibration





TIC: Z176436.d\data.ms

(27) Chrysene (t)

12.015min (+0.000) 188.45ppb m

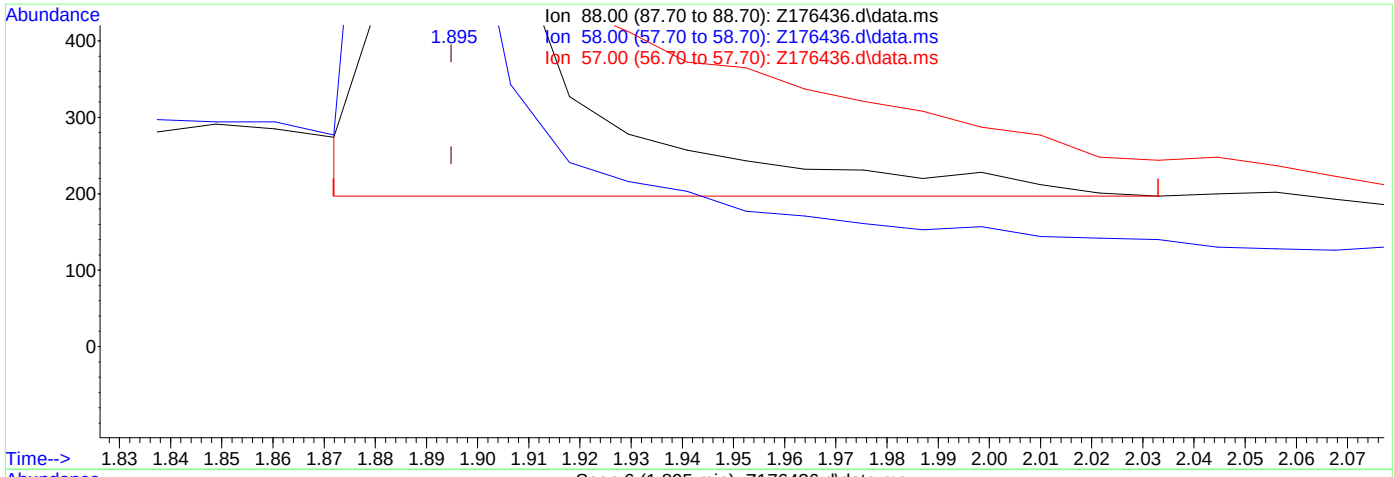
response 9323

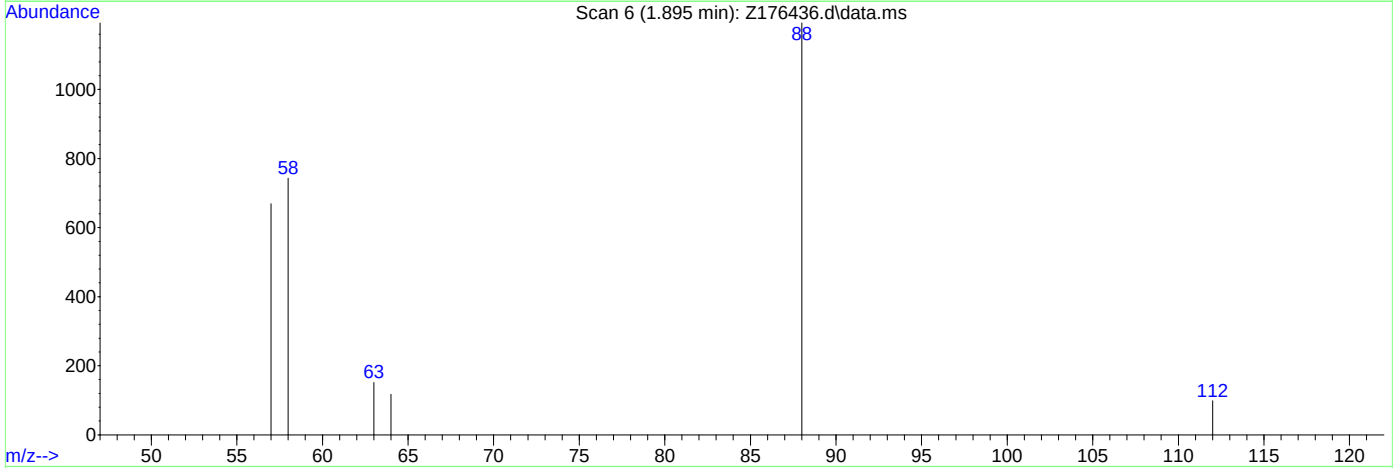
Ion	Exp%	Act%
228.00	100	100
226.00	29.00	28.97
229.00	20.30	20.29
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\nerirose\EZ8689\
Data File : Z176436.d
Acq On : 18 Oct 2025 1:05 pm
Operator : rocquans
Sample : cc8654-0.2 Inst : GCMSZ
Misc : op68111a,ez8689,250,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 20 15:22:22 2025
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Sep 11 17:29:52 2025
Response via : Initial Calibration





TIC: Z176436.d\data.ms

(2) 1,4-Dioxane (t)

1.895min (0.000) 330.03ppb

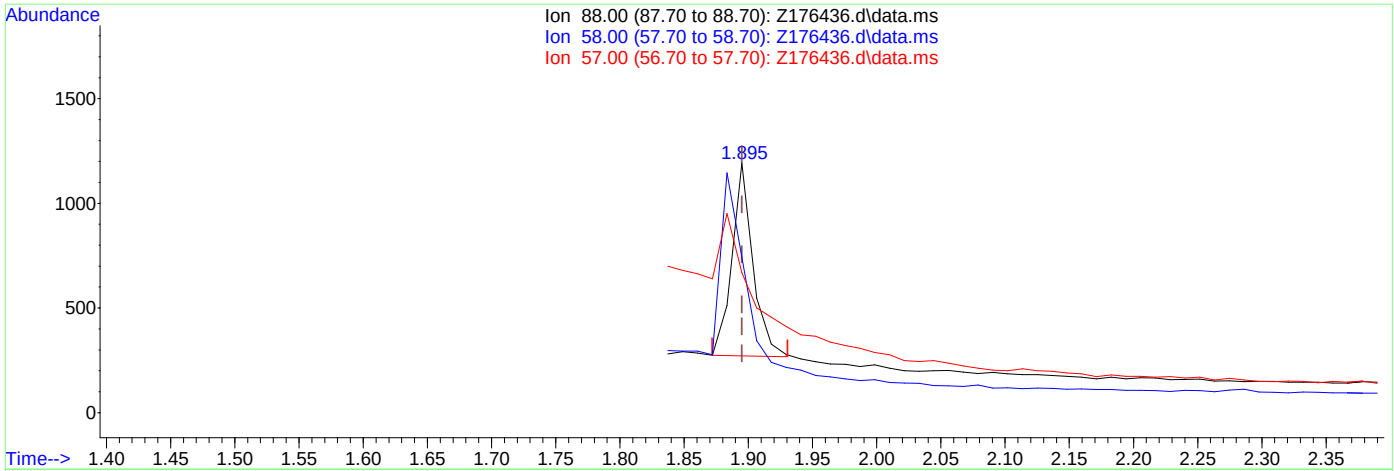
response 1464

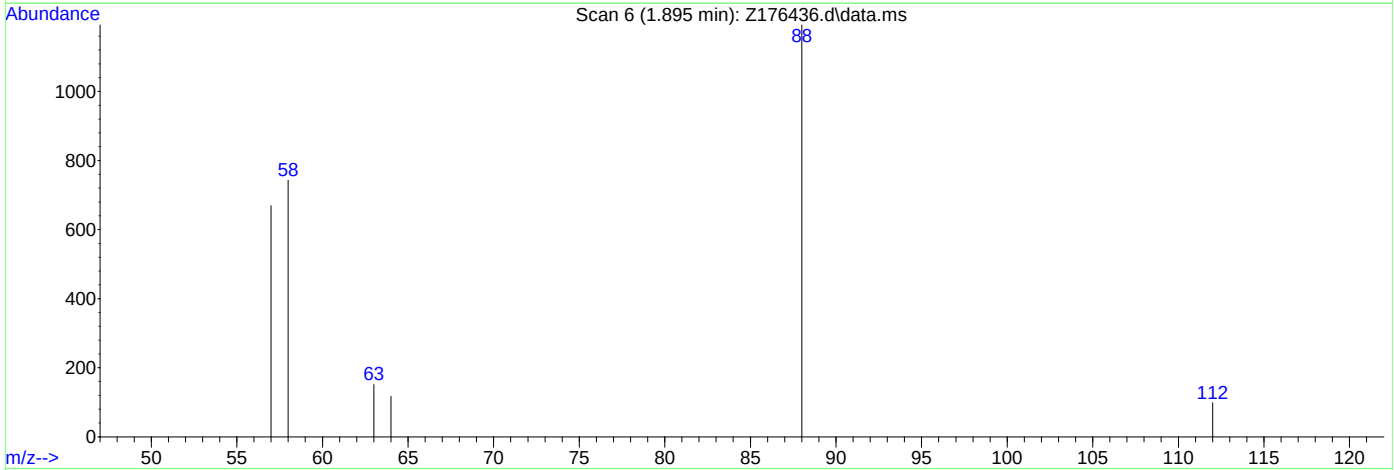
Ion	Exp%	Act%
88.00	100	100
58.00	62.30	55.82
57.00	56.10	23.76#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\nerirose\EZ8689\
Data File : Z176436.d
Acq On : 18 Oct 2025 1:05 pm
Operator : rocquans
Sample : cc8654-0.2 Inst : GCMSZ
Misc : op68111a,ez8689,250,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 20 15:22:22 2025
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Sep 11 17:29:52 2025
Response via : Initial Calibration





TIC: Z176436.d\data.ms

(2) 1,4-Dioxane (t)

1.895min (0.000) 234.22ppb m

response 1039

Ion	Exp%	Act%
88.00	100	100
58.00	62.30	62.28
57.00	56.10	56.08
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Ying Li
10/28/25 09:25

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\Octubre\10-27\ez8699\
Data File : Z176712.d
Acq On : 27 Oct 2025 10:05 am
Operator : rocquans
Sample : cc8654-0.2 Inst : GCMSZ
Misc : op68372a,ez8699,250,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 27 13:55:47 2025
Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 27 13:52:42 2025
Response via : Initial Calibration

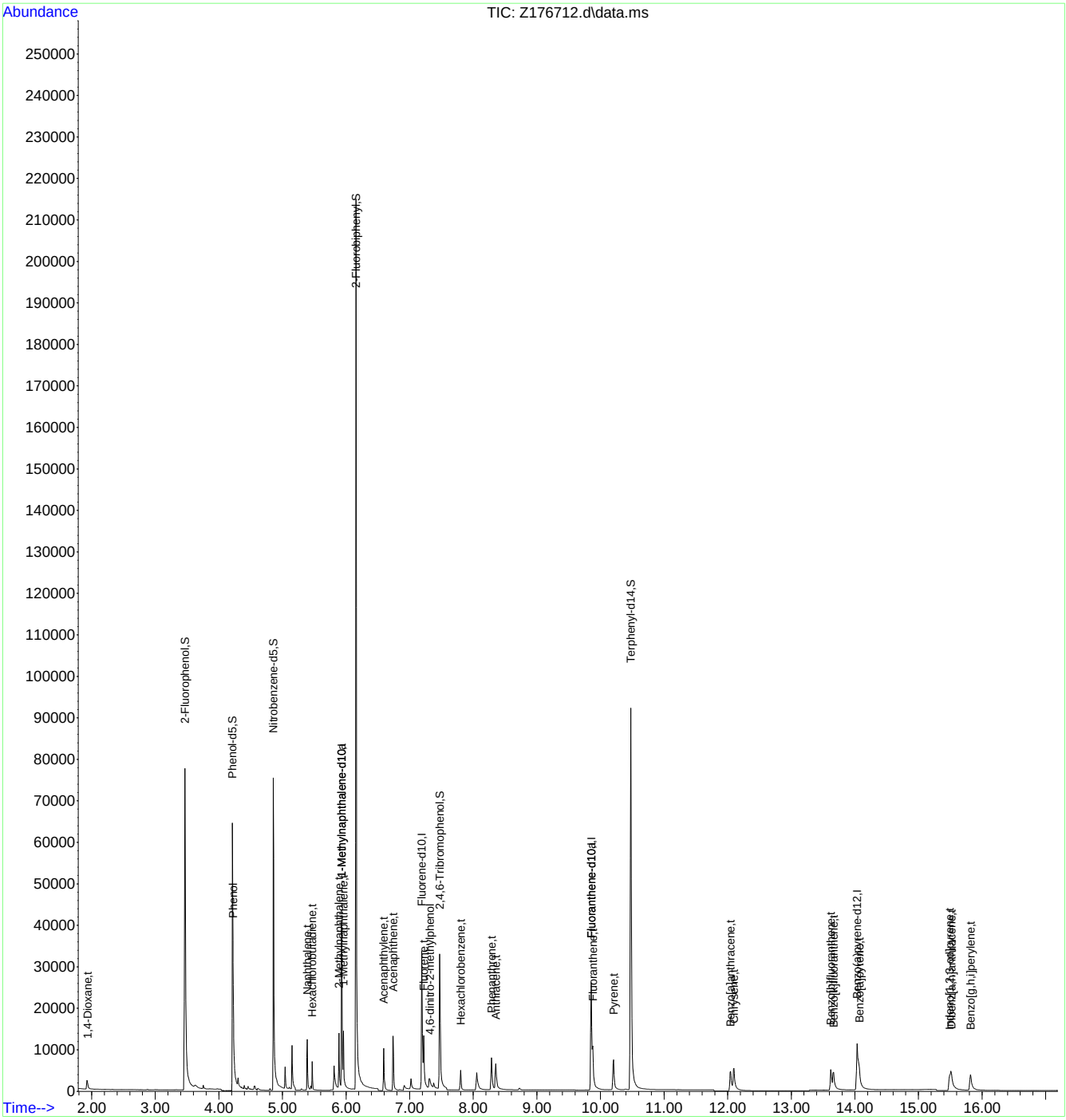
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1-Methylnaphthalene-d10	5.929	150	13664	800.00	ppb		0.00
12) Fluorene-d10	7.189	176	18689	800.00	ppb		0.00
19) Fluoranthene-d10	9.853	212	28018	800.00	ppb		0.00
28) Benzo(a)pyrene-d12	14.035	264	18278	800.00	ppb		0.00
35) 1-Methylnaphthalene-d10a	5.929	150	13664	800.00	ppb	#	0.00
37) Fluoranthene-d10a	9.853	212	28018	800.00	ppb		0.00
System Monitoring Compounds							
3) 2-Fluorophenol	3.467	112	48405	5237.23	ppb		0.01
Spiked Amount 10000.000			Recovery =	52.37%			
4) Phenol-d5	4.213	99	51190	4827.06	ppb		0.00
Spiked Amount 10000.000			Recovery =	48.27%			
6) Nitrobenzene-d5	4.855	82	52582	4604.15	ppb		0.00
Spiked Amount 10000.000			Recovery =	46.04%			
13) 2-Fluorobiphenyl	6.156	172	107311	4095.96	ppb		0.00
Spiked Amount 10000.000			Recovery =	40.96%			
18) 2,4,6-Tribromophenol	7.472	330	16113	3698.12	ppb		0.00
Spiked Amount 10000.000			Recovery =	36.98%			
25) Terphenyl-d14	10.477	244	91585	3930.25	ppb		-0.01
Spiked Amount 10000.000			Recovery =	39.30%			
Target Compounds							Qvalue
2) 1,4-Dioxane	1.937	88	1198m	227.8506	ppb		
5) Phenol	4.224	94	13329	1195.9902	ppb	#	1
7) Naphthalene	5.390	128	8323	221.2371	ppb		94
8) Hexachlorobutadiene	5.468	225	1871	190.4785	ppb		91
9) 2-Methylnaphthalene	5.887	141	4659m	214.3787	ppb		
10) 1-Methylnaphthalene	5.959	141	4618m	200.6544	ppb		
14) Acenaphthylene	6.592	152	7617	207.3924	ppb		61
15) Acenaphthene	6.741	153	5407	204.2431	ppb		72
16) Fluorene	7.221	166	6050	213.3785	ppb		96
17) 4,6-dinitro-2-methylph...	7.315	198	2929m	985.8875	ppb		
20) Hexachlorobenzene	7.801	284	2043	204.8672	ppb		97
21) Phenanthrene	8.286	178	7516	218.0176	ppb		91
22) Anthracene	8.354	178	8430	192.3125	ppb		85
23) Fluoranthene	9.878	202	8634	198.2942	ppb		98
24) Pyrene	10.206	202	9028	200.9603	ppb		96
26) Benzo[a]anthracene	12.045	228	5661	191.5376	ppb		98
27) Chrysene	12.098	228	8283	180.5234	ppb		98
29) Benzo[b]fluoranthene	13.621	252	5436	179.0484	ppb		98
30) Benzo[k]fluoranthene	13.667	252	7100	192.9220	ppb		91
31) Benzo[a]pyrene	14.069	252	6389	196.2269	ppb		81
32) Indeno[1,2,3-cd]pyrene	15.491	276	7905	203.3156	ppb		98
33) Dibenz[a,h]anthracene	15.520	278	6308	202.7186	ppb		98
34) Benzo[g,h,i]perylene	15.817	276	6603	203.1942	ppb		98

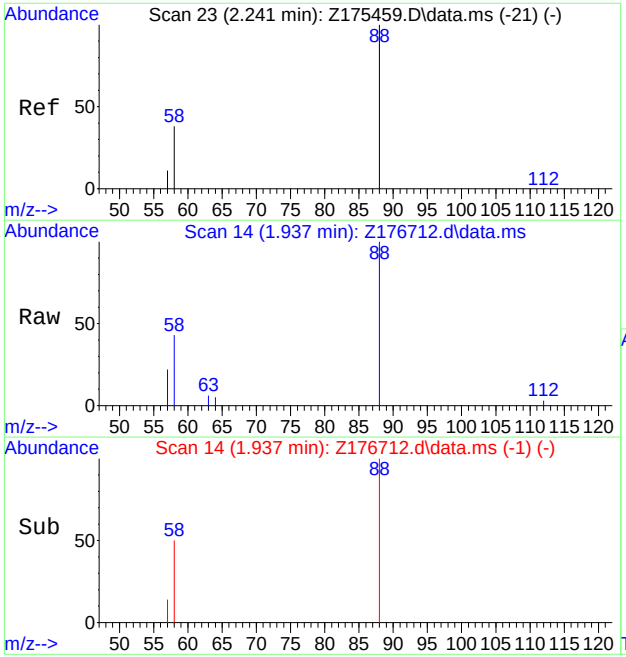
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\Octubre\10-27\ez8699\
Data File : Z176712.d
Acq On : 27 Oct 2025 10:05 am
Operator : rocquans
Sample : cc8654-0.2 Inst : GCMSZ
Misc : op68372a,ez8699,250,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 27 13:55:47 2025
Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 27 13:52:42 2025
Response via : Initial Calibration

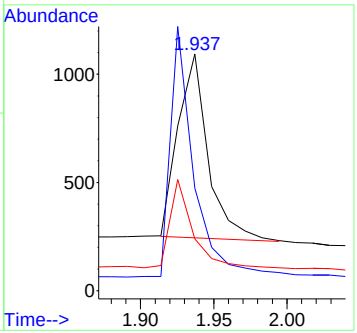


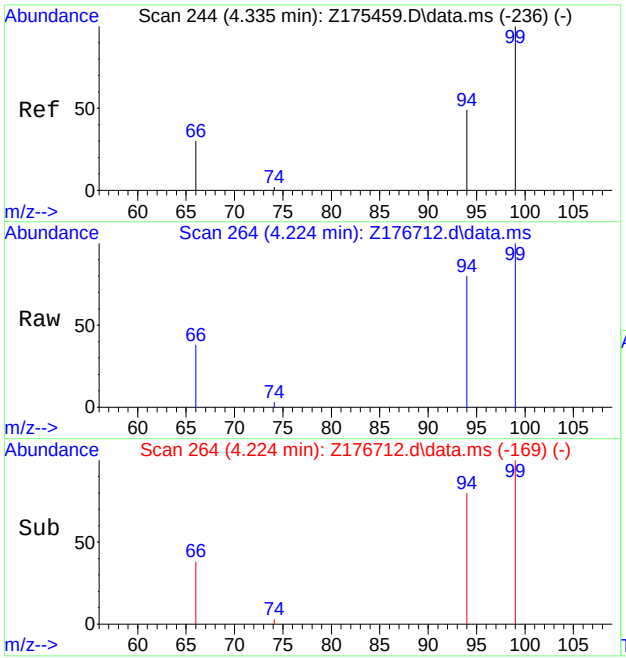


#2
1,4-Dioxane
Concen: 227.8506 ppb m
RT: 1.937 min Scan# 14
Delta R.T. 0.008 min
Lab File: Z176712.d
Acq: 27 Oct 2025 10:05 am

Tgt Ion: 88 Resp: 1198

Ion	Ratio	Lower	Upper
88	100		
58	43.3	44.4	84.4#
57	21.9	171.1	211.1#

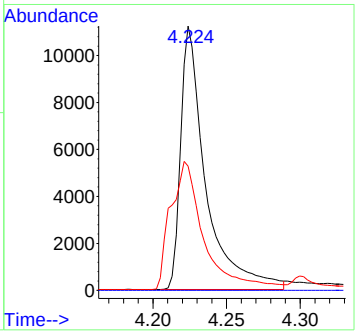


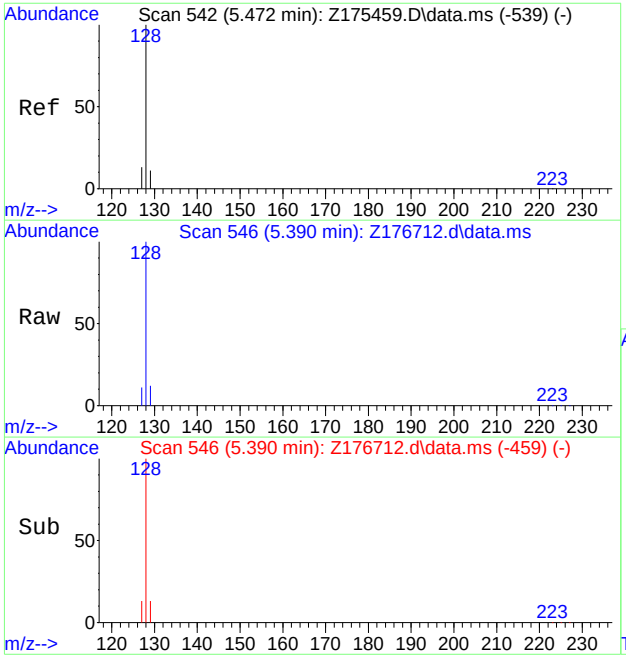


#5
Phenol
Concen: 1195.9902 ppb
RT: 4.224 min Scan# 264
Delta R.T. 0.009 min
Lab File: Z176712.d
Acq: 27 Oct 2025 10:05 am

Tgt Ion: 94 Resp: 13329

Ion	Ratio	Lower	Upper
94	100		
65	0.0	0.0	0.0
66	44.4	632.3	948.5#

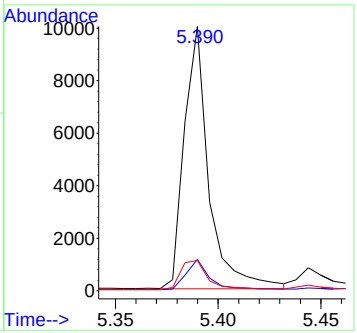


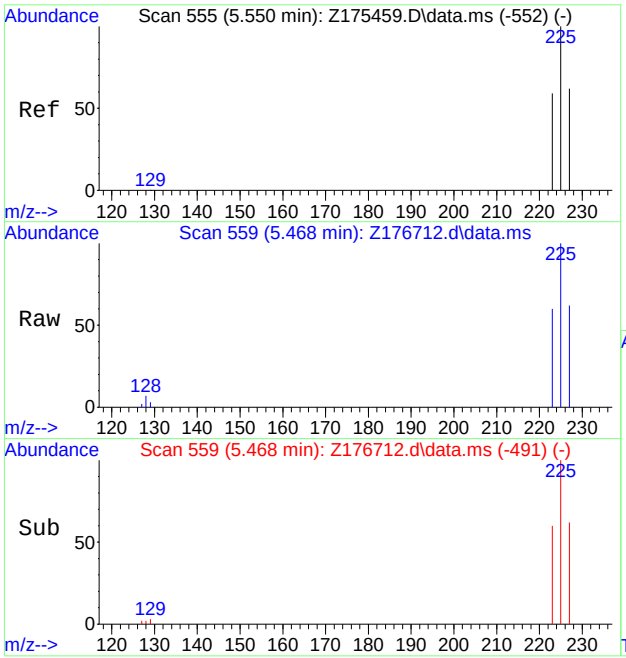


#7
Naphthalene
Concen: 221.2371 ppb
RT: 5.390 min Scan# 546
Delta R.T. -0.012 min
Lab File: Z176712.d
Acq: 27 Oct 2025 10:05 am

Tgt Ion:128 Resp: 8323

Ion	Ratio	Lower	Upper
128	100		
129	11.5	0.0	42.2
127	11.1	0.0	36.1

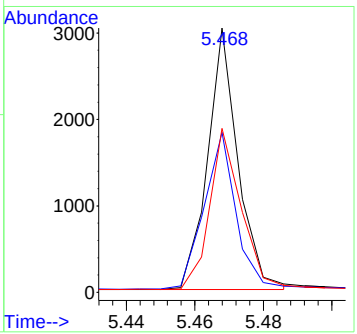




#8
Hexachlorobutadiene
Concen: 190.4785 ppb
RT: 5.468 min Scan# 559
Delta R.T. -0.003 min
Lab File: Z176712.d
Acq: 27 Oct 2025 10:05 am

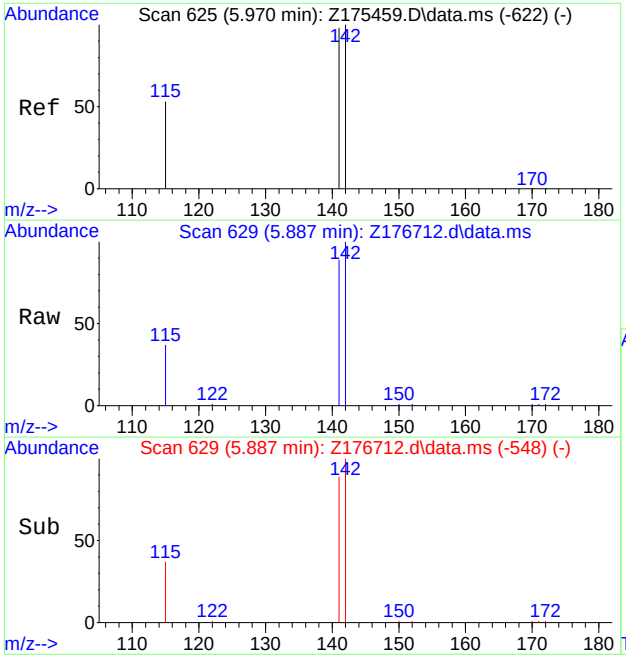
Tgt Ion:225 Resp: 1871

Ion	Ratio	Lower	Upper
225	100		
223	60.0	37.7	97.7
227	61.5	25.6	85.6



9.6.39

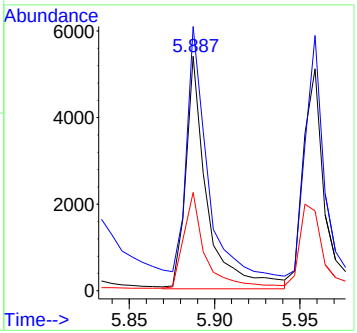
6

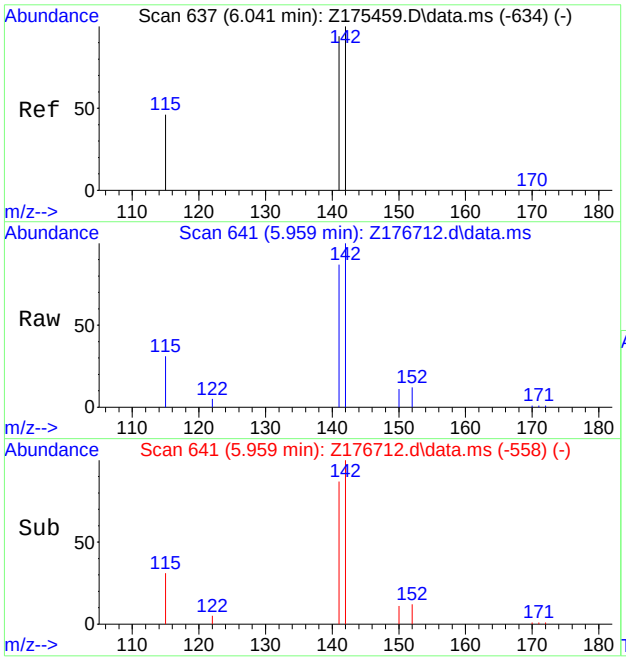


#9
2-Methylnaphthalene
Concen: 214.3787 ppb m
RT: 5.887 min Scan# 629
Delta R.T. -0.015 min
Lab File: Z176712.d
Acq: 27 Oct 2025 10:05 am

Tgt Ion:141 Resp: 4659

Ion	Ratio	Lower	Upper
141	100		
142	112.7	46.2	106.2#
115	41.9	17.6	77.6

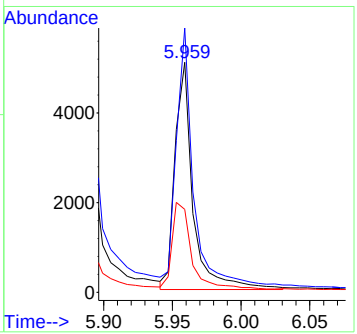


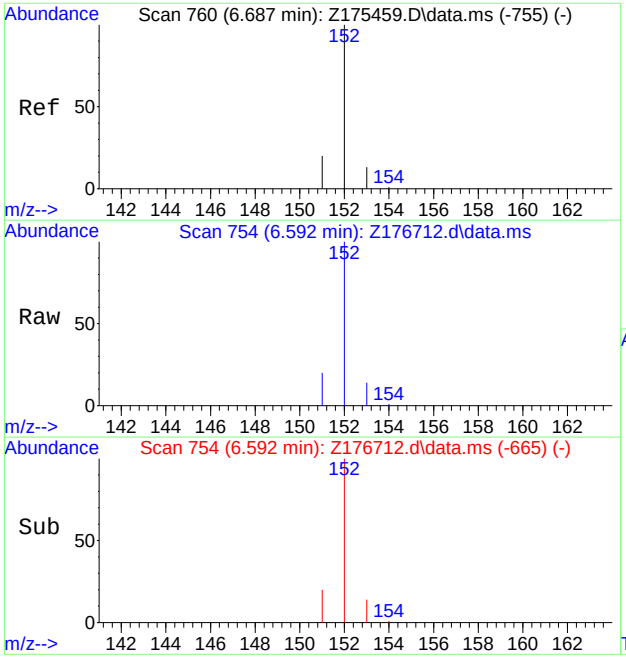


#10
1-Methylnaphthalene
Concen: 200.6544 ppb m
RT: 5.959 min Scan# 641
Delta R.T. -0.003 min
Lab File: Z176712.d
Acq: 27 Oct 2025 10:05 am

Tgt Ion:141 Resp: 4618

Ion	Ratio	Lower	Upper
141	100		
142	115.0	79.2	139.2
115	36.0	9.9	69.9

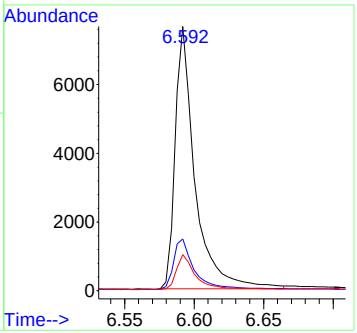


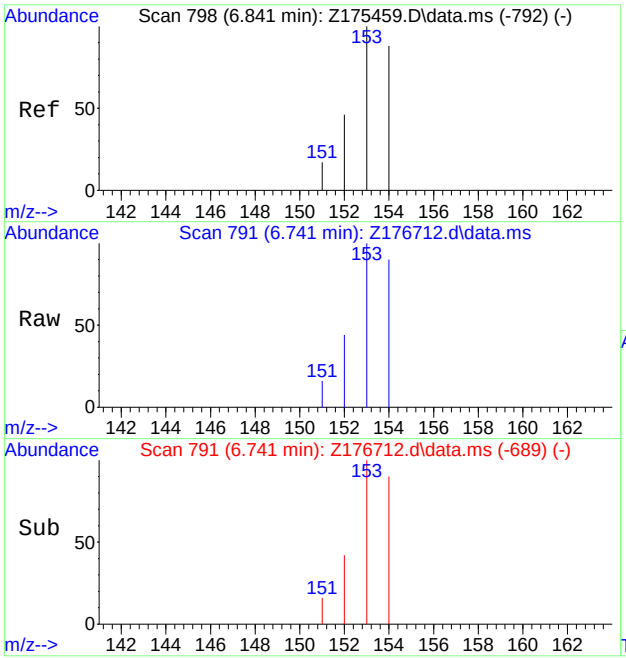


#14
Acenaphthylene
Concen: 207.3924 ppb
RT: 6.592 min Scan# 754
Delta R.T. -0.008 min
Lab File: Z176712.d
Acq: 27 Oct 2025 10:05 am

Tgt Ion:152 Resp: 7617

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.8	75.8
153	13.2	0.0	34.2

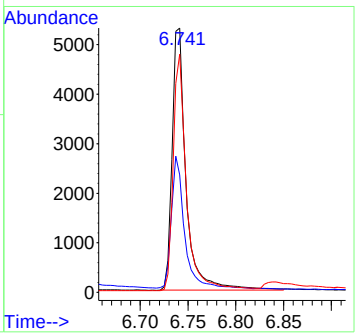




#15
Acenaphthene
Concen: 204.2431 ppb
RT: 6.741 min Scan# 791
Delta R.T. -0.005 min
Lab File: Z176712.d
Acq: 27 Oct 2025 10:05 am

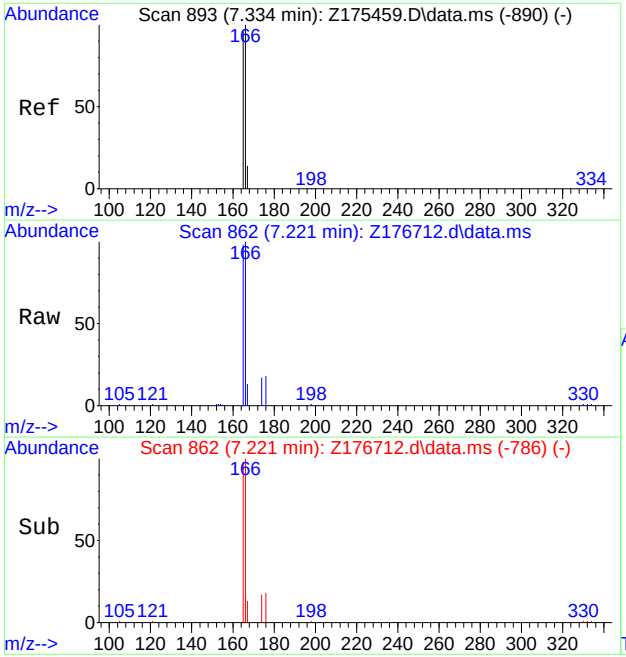
Tgt Ion:153 Resp: 5407

Ion	Ratio	Lower	Upper
153	100		
152	43.3	0.8	60.8
154	89.0	35.4	95.4



9.6.39

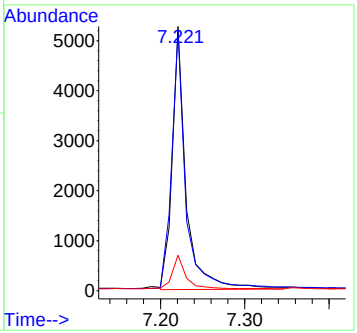
6

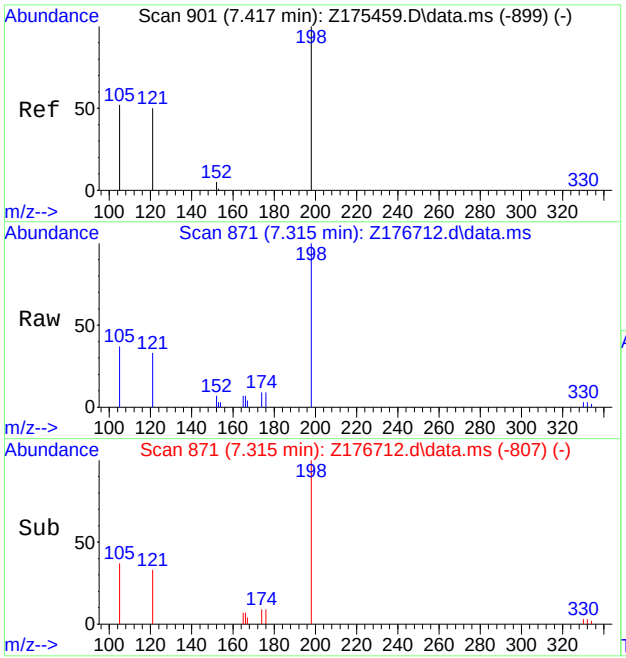


#16
Fluorene
Concen: 213.3785 ppb
RT: 7.221 min Scan# 862
Delta R.T. 0.000 min
Lab File: Z176712.d
Acq: 27 Oct 2025 10:05 am

Tgt Ion:166 Resp: 6050

Ion	Ratio	Lower	Upper
166	100		
165	98.4	64.5	124.5
167	12.7	0.0	44.2

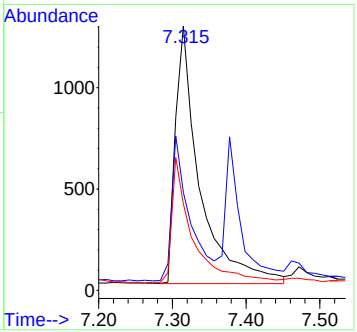


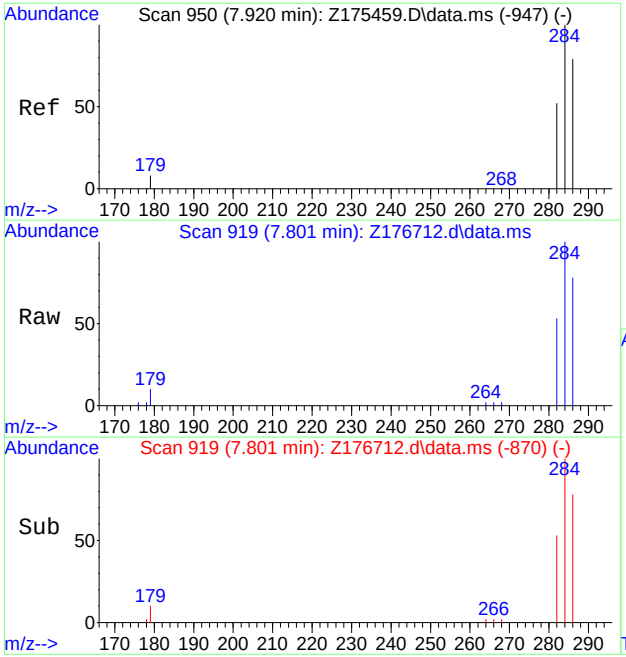


#17
4,6-dinitro-2-methylphenol
Concen: 985.8875 ppb m
RT: 7.315 min Scan# 871
Delta R.T. 0.011 min
Lab File: Z176712.d
Acq: 27 Oct 2025 10:05 am

Tgt Ion:198 Resp: 2929

Ion	Ratio	Lower	Upper
198	100		
105	37.2	32.9	72.9
121	32.8	26.8	66.8

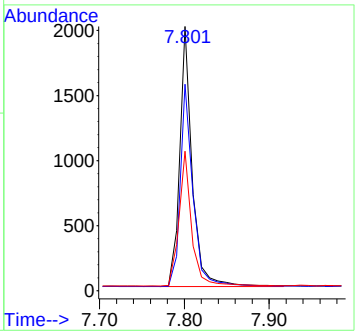


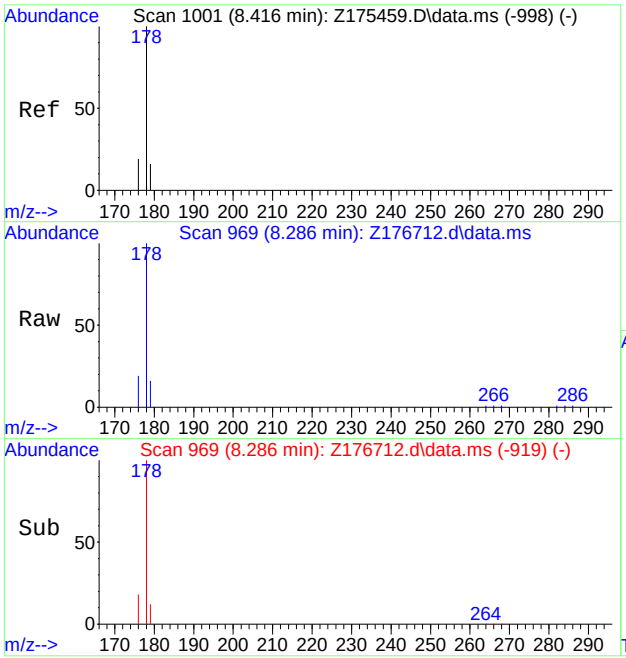


#20
Hexachlorobenzene
Concen: 204.8672 ppb
RT: 7.801 min Scan# 919
Delta R.T. -0.003 min
Lab File: Z176712.d
Acq: 27 Oct 2025 10:05 am

Tgt Ion:284 Resp: 2043

Ion	Ratio	Lower	Upper
284	100		
286	77.8	50.6	110.6
282	51.8	19.4	79.4

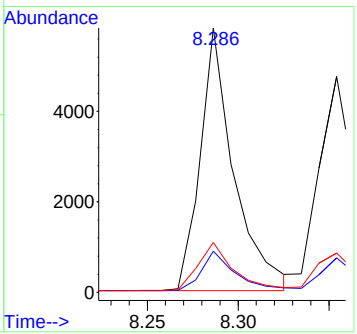


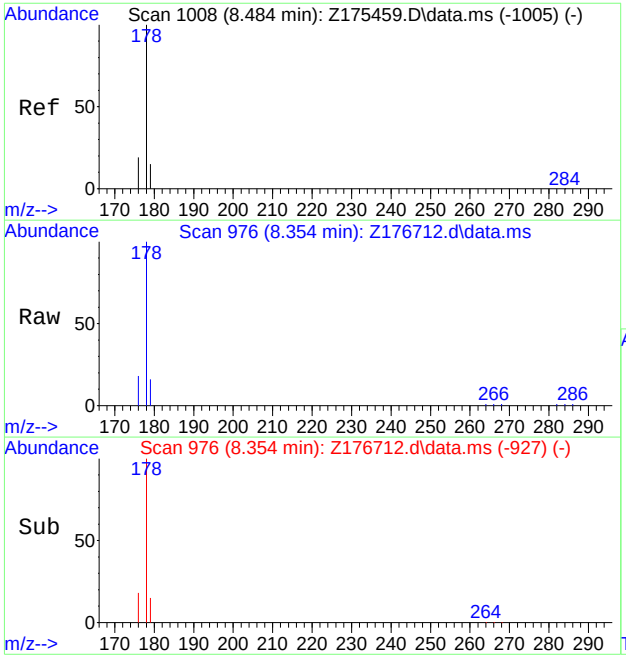


#21
Phenanthrene
Concen: 218.0176 ppb
RT: 8.286 min Scan# 969
Delta R.T. -0.012 min
Lab File: Z176712.d
Acq: 27 Oct 2025 10:05 am

Tgt Ion:178 Resp: 7516

Ion	Ratio	Lower	Upper
178	100		
179	15.0	0.0	48.2
176	18.3	0.0	53.6

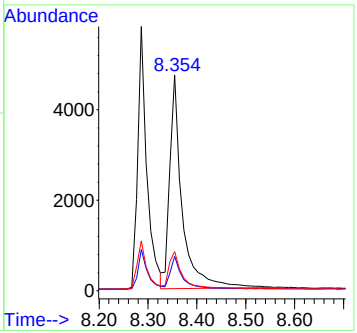


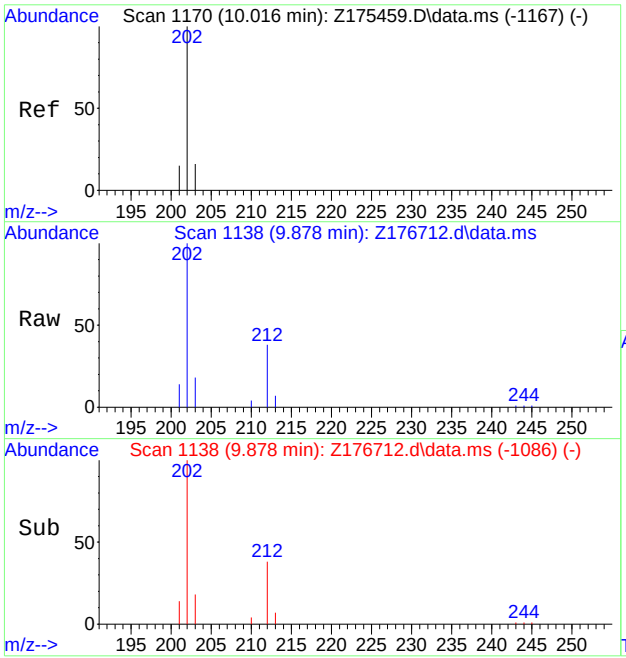


#22
Anthracene
Concen: 192.3125 ppb
RT: 8.354 min Scan# 976
Delta R.T. -0.022 min
Lab File: Z176712.d
Acq: 27 Oct 2025 10:05 am

Tgt Ion:178 Resp: 8430

Ion	Ratio	Lower	Upper
178	100		
179	15.3	0.0	33.8
176	17.5	0.0	53.1

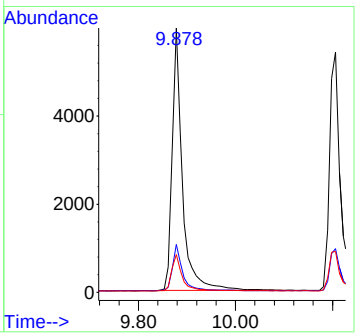


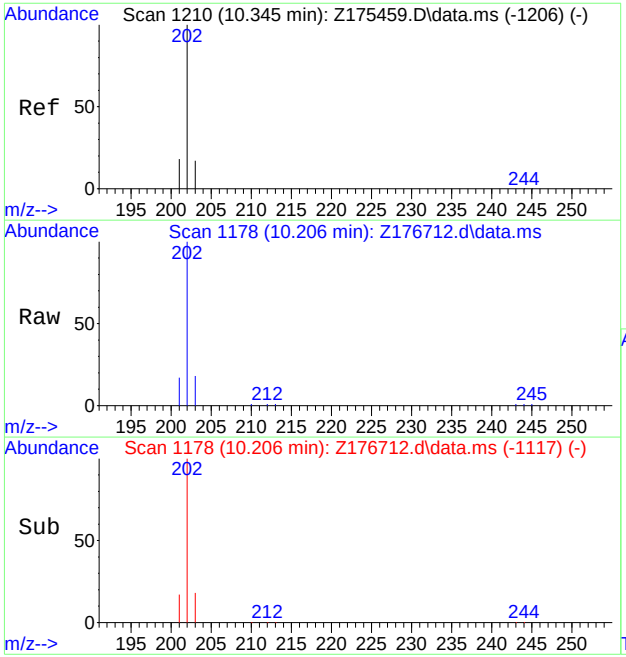


#23
Fluoranthene
Concen: 198.2942 ppb
RT: 9.878 min Scan# 1138
Delta R.T. -0.008 min
Lab File: Z176712.d
Acq: 27 Oct 2025 10:05 am

Tgt Ion:202 Resp: 8634

Ion	Ratio	Lower	Upper
202	100		
203	17.5	0.0	47.8
201	13.8	0.0	45.5

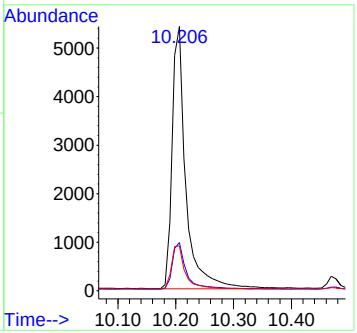


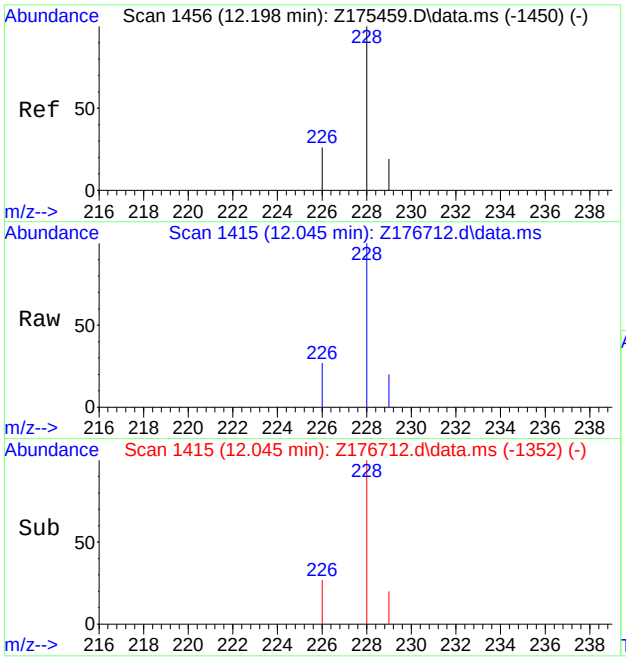


#24
Pyrene
Concen: 200.9603 ppb
RT: 10.206 min Scan# 1178
Delta R.T. -0.002 min
Lab File: Z176712.d
Acq: 27 Oct 2025 10:05 am

Tgt Ion:202 Resp: 9028

Ion	Ratio	Lower	Upper
202	100		
203	17.7	0.0	49.8
201	16.5	0.0	47.9

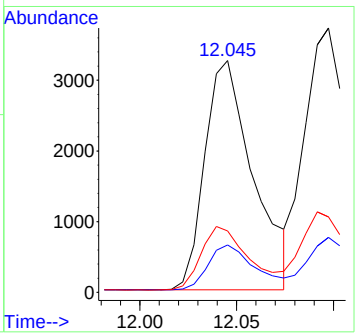


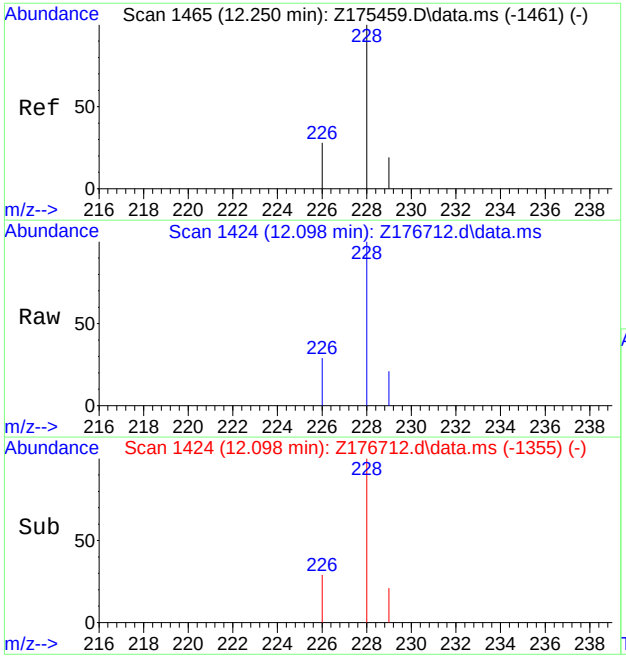


#26
Benzo[a]anthracene
Concen: 191.5376 ppb
RT: 12.045 min Scan# 1415
Delta R.T. 0.004 min
Lab File: Z176712.d
Acq: 27 Oct 2025 10:05 am

Tgt Ion:228 Resp: 5661

Ion	Ratio	Lower	Upper
228	100		
229	19.6	0.0	50.8
226	25.0	0.0	55.9

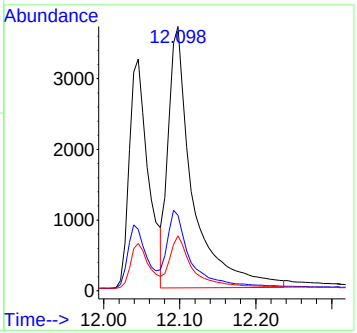


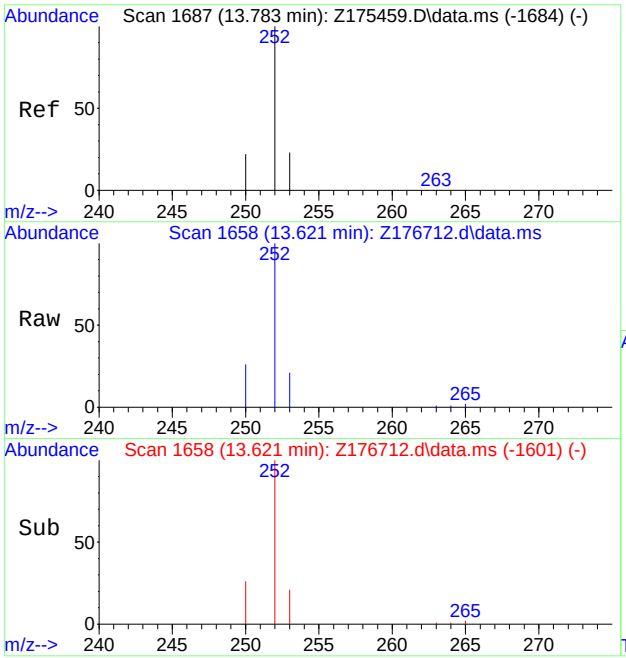


#27
Chrysene
Concen: 180.5234 ppb
RT: 12.098 min Scan# 1424
Delta R.T. 0.004 min
Lab File: Z176712.d
Acq: 27 Oct 2025 10:05 am

Tgt Ion:228 Resp: 8283

Ion	Ratio	Lower	Upper
228	100		
226	27.5	0.0	58.5
229	20.1	0.0	50.6

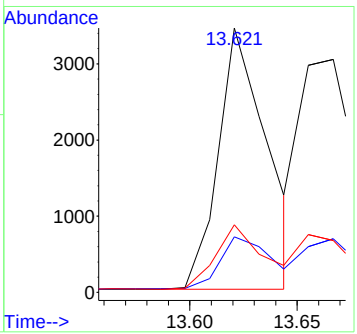


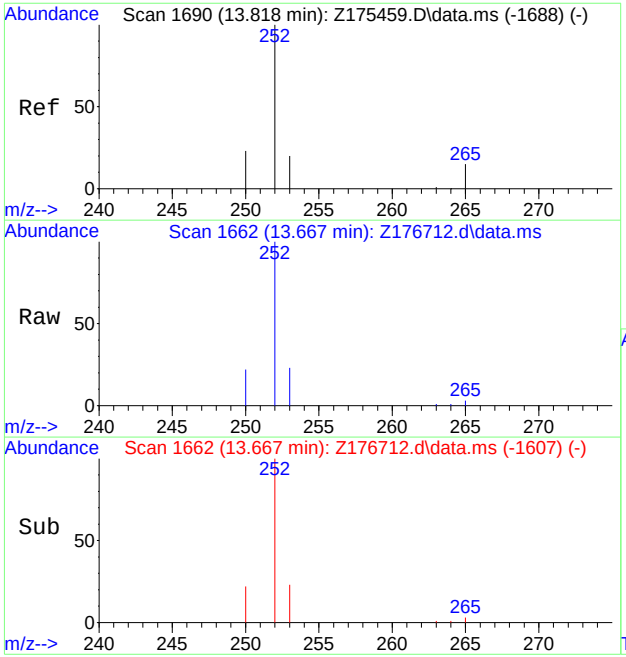


#29
Benzo[b]fluoranthene
Concen: 179.0484 ppb
RT: 13.621 min Scan# 1658
Delta R.T. -0.003 min
Lab File: Z176712.d
Acq: 27 Oct 2025 10:05 am

Tgt Ion:252 Resp: 5436

Ion	Ratio	Lower	Upper
252	100		
253	19.6	0.0	51.1
250	24.5	0.0	54.7

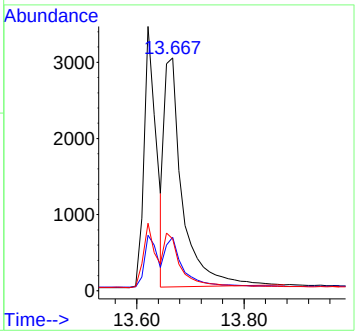


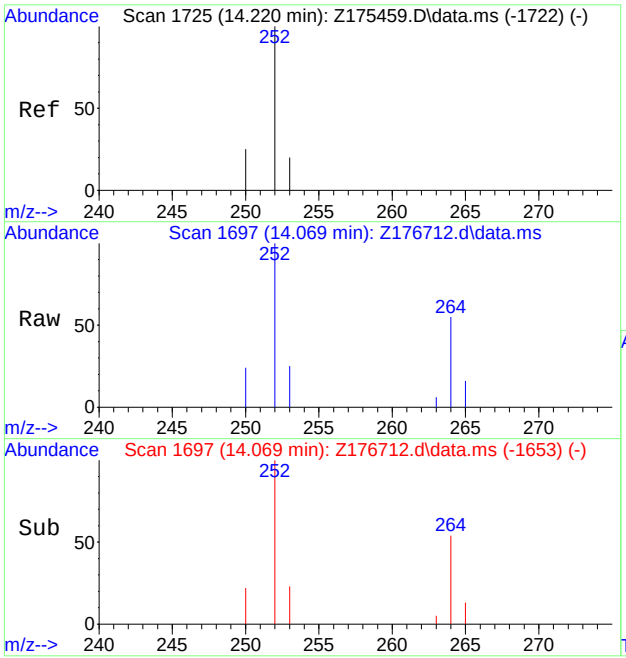


#30
Benzo[k]fluoranthene
Concen: 192.9220 ppb
RT: 13.667 min Scan# 1662
Delta R.T. 0.008 min
Lab File: Z176712.d
Acq: 27 Oct 2025 10:05 am

Tgt Ion:252 Resp: 7100

Ion	Ratio	Lower	Upper
252	100		
253	21.9	0.0	49.9
250	20.1	0.0	56.5

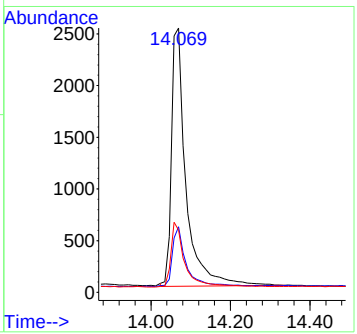


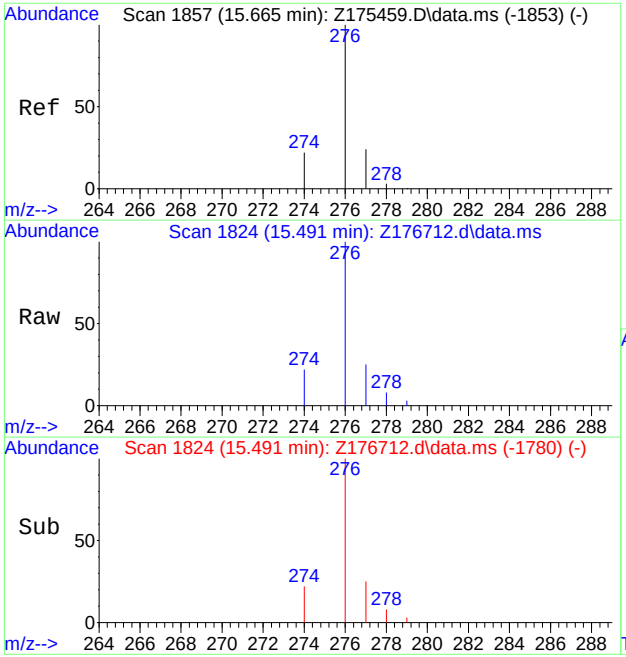


#31
Benzo[a]pyrene
Concen: 196.2269 ppb
RT: 14.069 min Scan# 1697
Delta R.T. 0.008 min
Lab File: Z176712.d
Acq: 27 Oct 2025 10:05 am

Tgt Ion:252 Resp: 6389

Ion	Ratio	Lower	Upper
252	100		
253	23.0	0.0	48.2
250	22.1	0.0	34.5

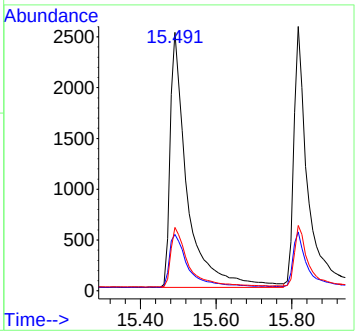


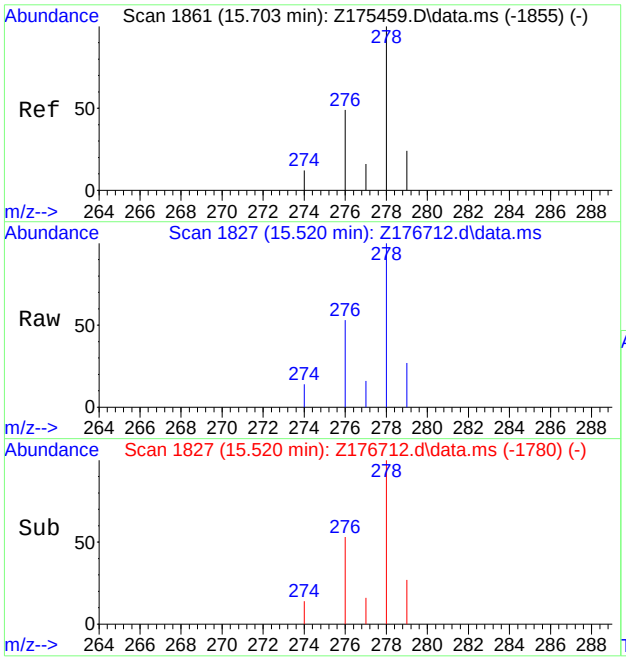


#32
Indeno[1,2,3-cd]pyrene
Concen: 203.3156 ppb
RT: 15.491 min Scan# 1824
Delta R.T. 0.000 min
Lab File: Z176712.d
Acq: 27 Oct 2025 10:05 am

Tgt Ion:276 Resp: 7905

Ion	Ratio	Lower	Upper
276	100		
274	20.7	0.0	51.8
277	23.3	0.0	53.7

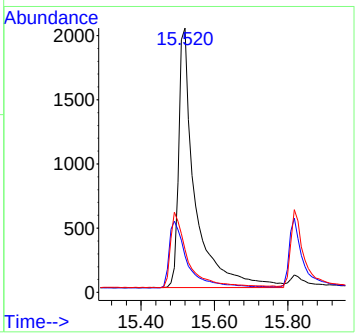


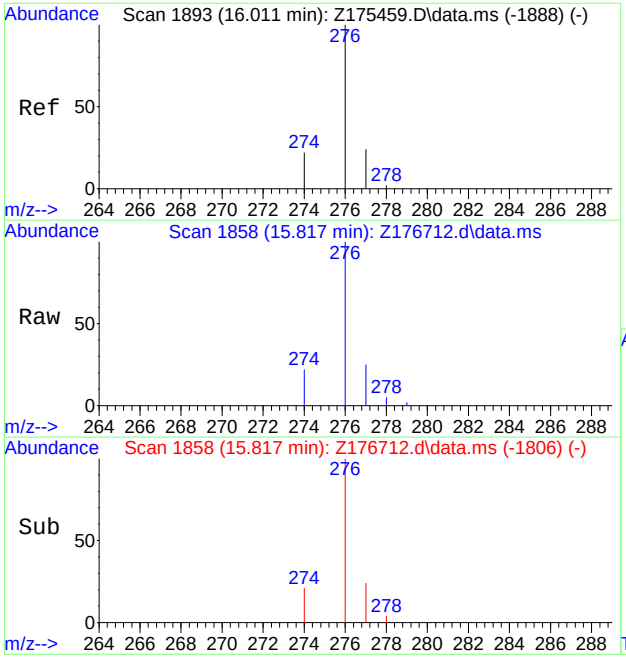


#33
Dibenz[a,h]anthracene
Concen: 202.7186 ppb
RT: 15.520 min Scan# 1827
Delta R.T. 0.000 min
Lab File: Z176712.d
Acq: 27 Oct 2025 10:05 am

Tgt Ion:278 Resp: 6308

Ion	Ratio	Lower	Upper
278	100		
274	12.0	0.0	41.9
277	14.4	0.0	45.6

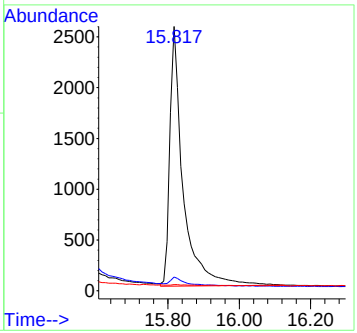




#34
Benzo[g,h,i]perylene
Concen: 203.1942 ppb
RT: 15.817 min Scan# 1858
Delta R.T. 0.000 min
Lab File: Z176712.d
Acq: 27 Oct 2025 10:05 am

Tgt Ion:276 Resp: 6603

Ion	Ratio	Lower	Upper
276	100		
278	3.0	0.0	32.3
279	0.2	0.0	30.0



9.6.39

6

Manual Integration Approval Summary

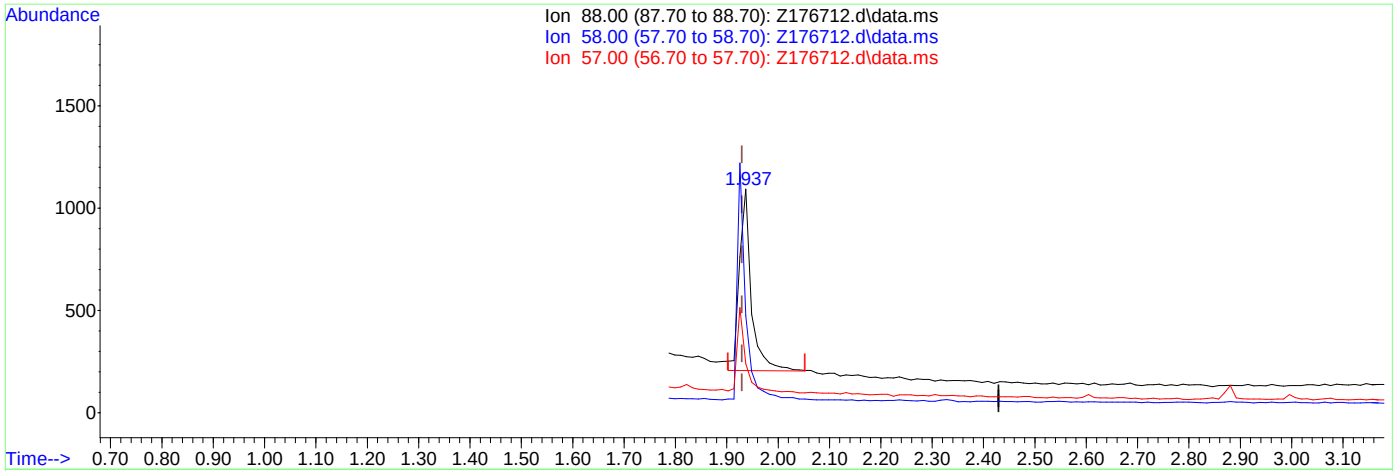
Sample Number: EZ8699-CC8654
Lab FileID: Z176712.D
Injection Time: 10/27/25 10:05
Method: SW846 8270E BY SIM
Analyst approved: 10/27/25 15:02 Hayder Mogollon
Supervisor approved: 10/28/25 09:25 Ying Li

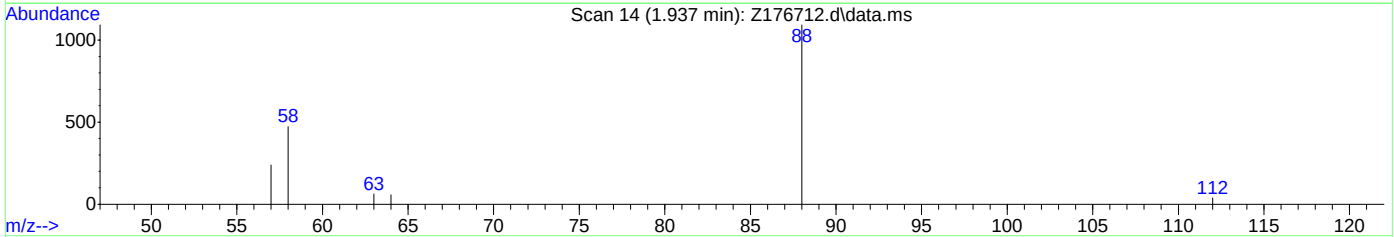
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,4-Dioxane	123-91-1		1.94	Poor instrument integration
2-Methylnaphthalene	91-57-6		5.89	Poor instrument integration
1-Methylnaphthalene	90-12-0		5.96	Poor instrument integration
4,6-Dinitro-o-cresol	534-52-1		7.31	Poor instrument integration

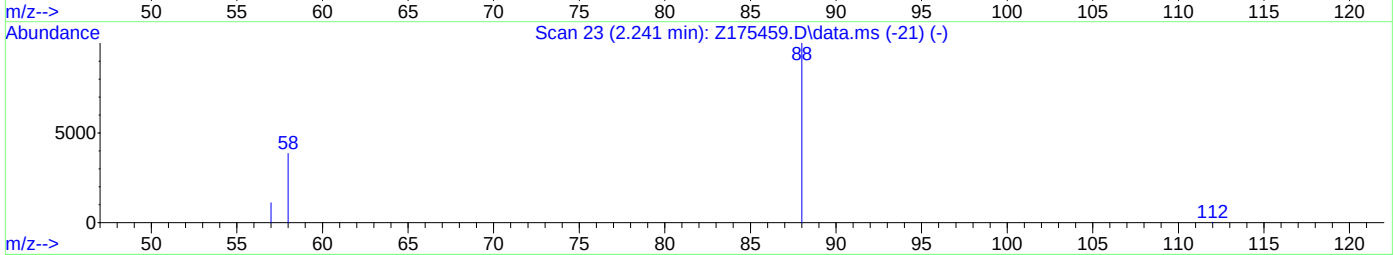
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\Octubre\10-27\ez8699\
Data File : Z176712.d
Acq On : 27 Oct 2025 10:05 am
Operator : rocquans
Sample : cc8654-0.2 Inst : GCMSZ
Misc : op68372a,ez8699,250,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 27 13:52:50 2025
Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 27 13:52:42 2025
Response via : Initial Calibration







TIC: Z176712.d\data.ms

(2) 1,4-Dioxane (t)

1.937min (+0.008) 271.59ppb

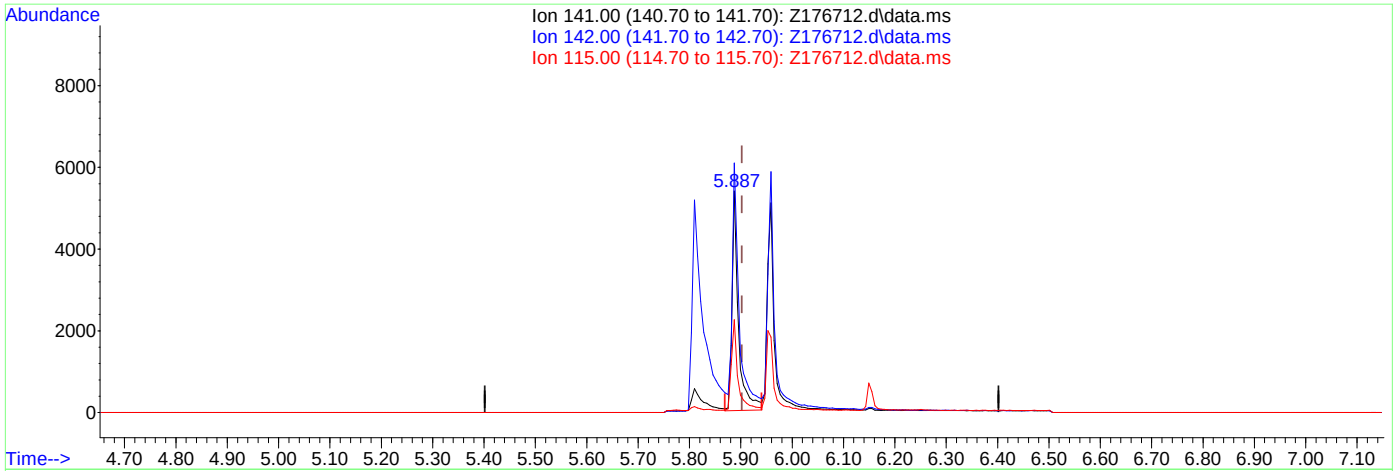
response 1428

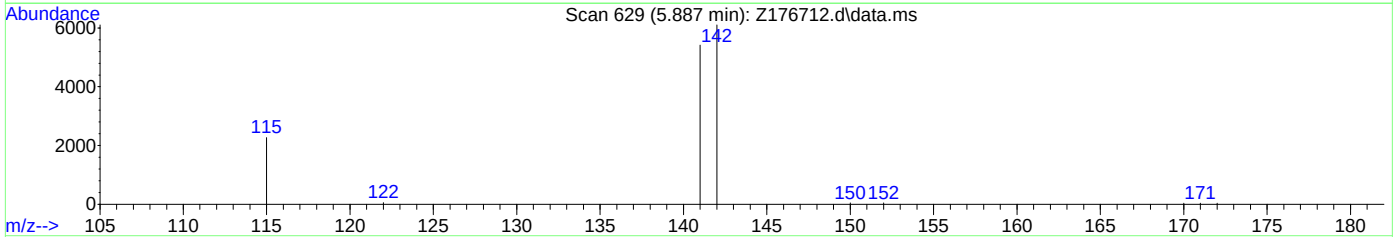
Ion	Exp%	Act%
88.00	100	100
58.00	64.40	47.11
57.00	191.10	15.91#
0.00	0.00	0.00

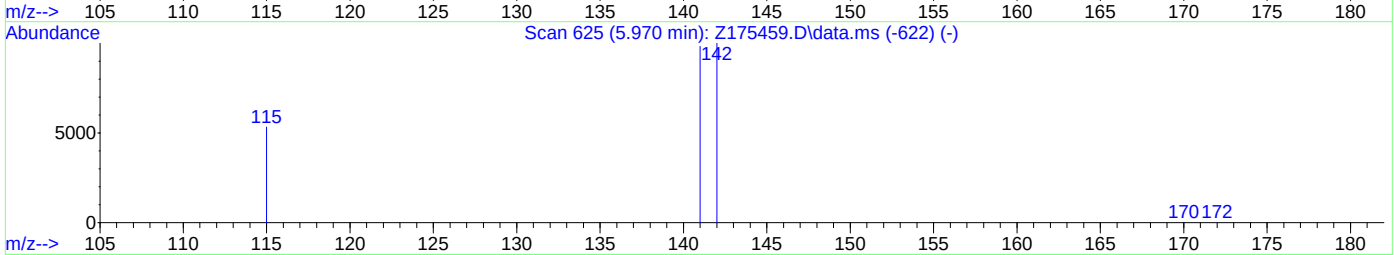
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\Octubre\10-27\ez8699\
Data File : Z176712.d
Acq On : 27 Oct 2025 10:05 am
Operator : rocquans
Sample : cc8654-0.2 Inst : GCMSZ
Misc : op68372a,ez8699,250,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 27 13:52:50 2025
Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 27 13:52:42 2025
Response via : Initial Calibration







TIC: Z176712.d\data.ms

(9) 2-Methylnaphthalene (t)

5.887min (-0.015) 213.09ppb

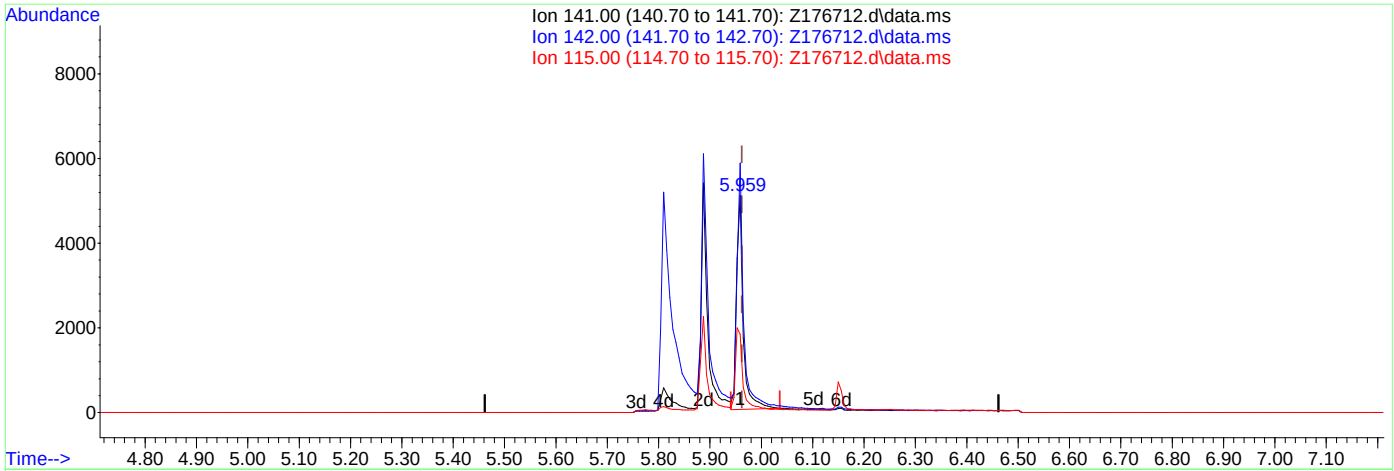
response 4631

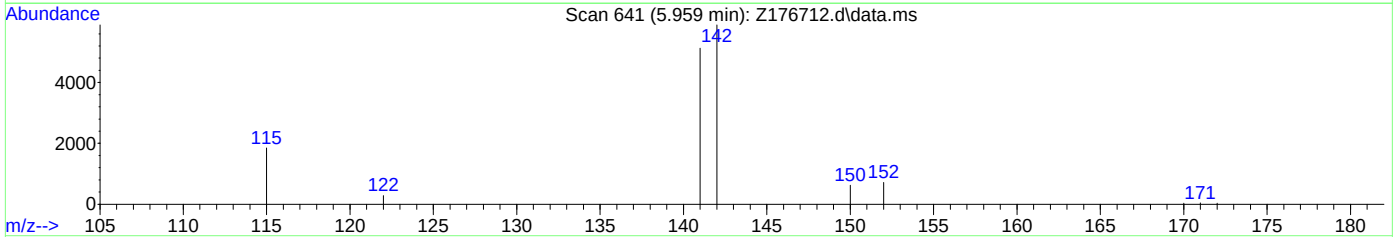
Ion	Exp%	Act%
141.00	100	100
142.00	76.20	108.50#
115.00	47.60	41.58
0.00	0.00	0.00

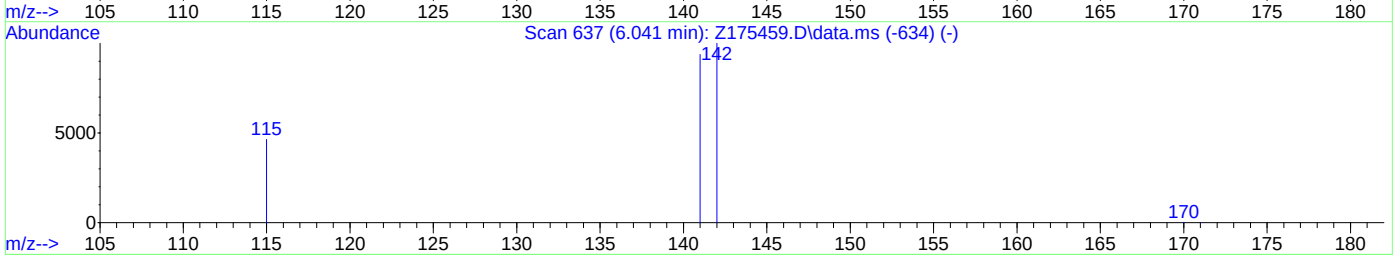
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\Octubre\10-27\ez8699\
Data File : Z176712.d
Acq On : 27 Oct 2025 10:05 am
Operator : rocquans
Sample : cc8654-0.2 Inst : GCMSZ
Misc : op68372a,ez8699,250,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 27 13:52:50 2025
Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 27 13:52:42 2025
Response via : Initial Calibration







TIC: Z176712.d\data.ms

(10) 1-Methylnaphthalene (t)

5.959min (-0.003) 196.48ppb

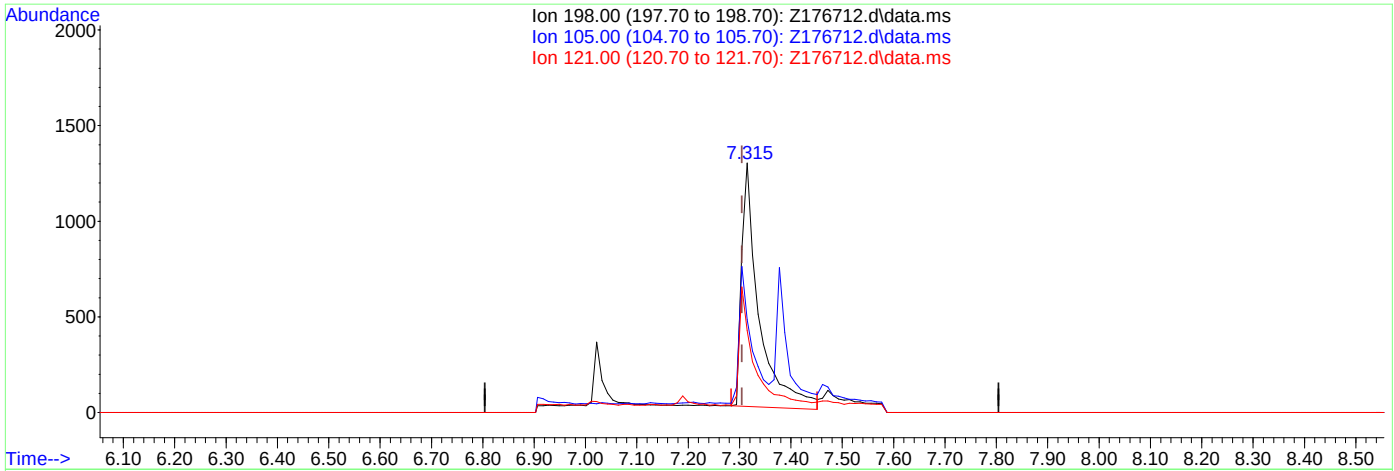
response 4522

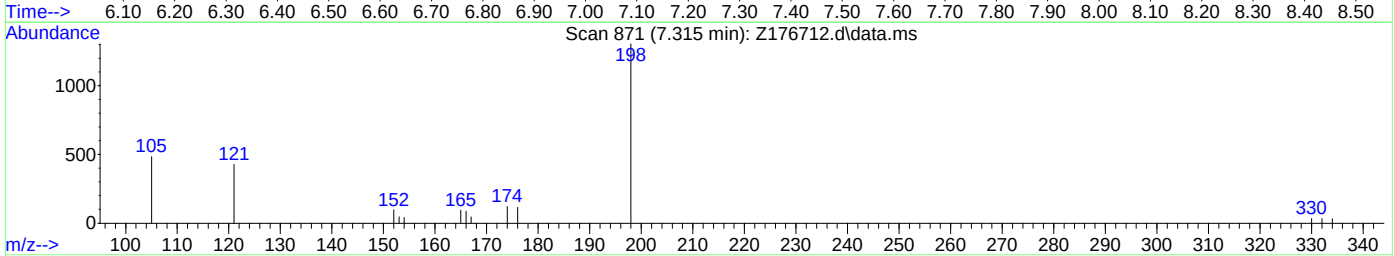
Ion	Exp%	Act%
141.00	100	100
142.00	109.20	113.91
115.00	39.90	35.35
0.00	0.00	0.00

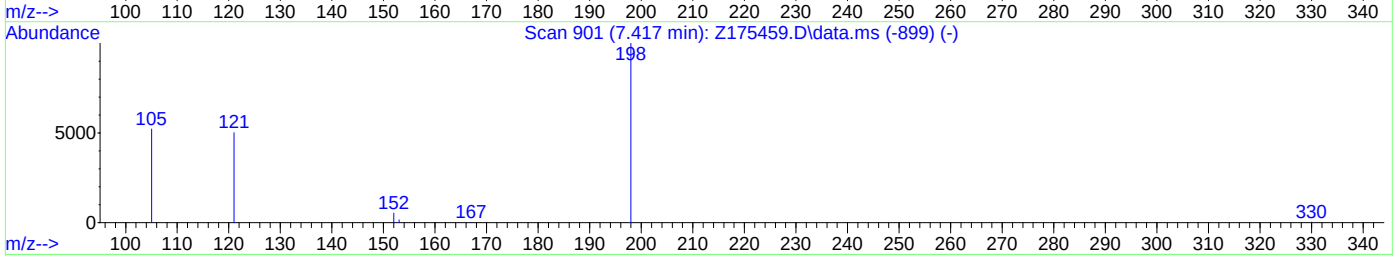
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\Octubre\10-27\ez8699\
Data File : Z176712.d
Acq On : 27 Oct 2025 10:05 am
Operator : rocquans
Sample : cc8654-0.2 Inst : GCMSZ
Misc : op68372a,ez8699,250,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 27 13:52:50 2025
Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 27 13:52:42 2025
Response via : Initial Calibration







TIC: Z176712.d\data.ms

(17) 4,6-dinitro-2-methylphenol

7.315min (+0.011) 1007.47ppb

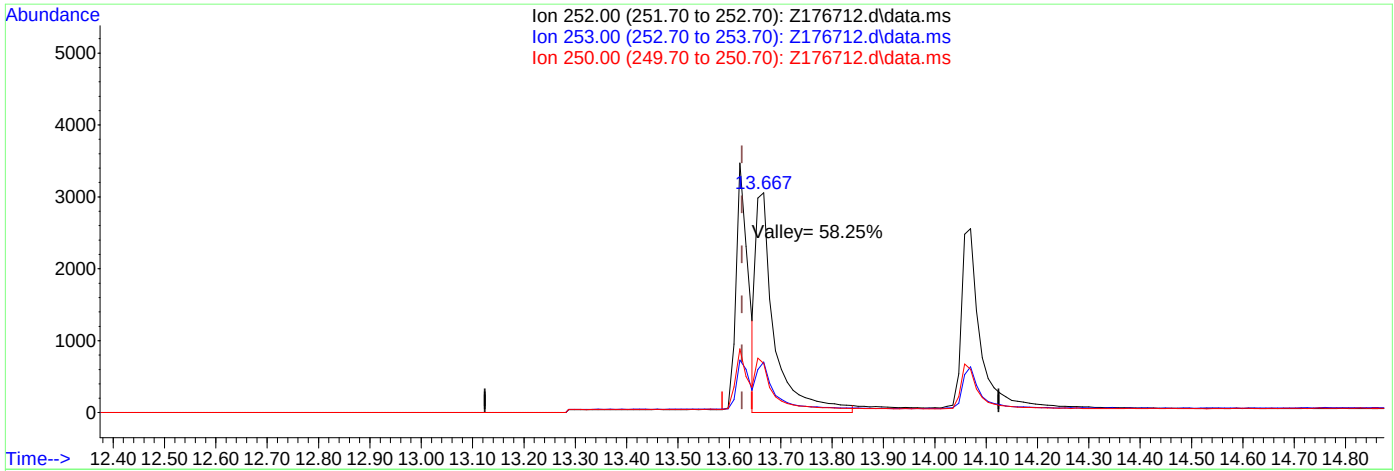
response 3004

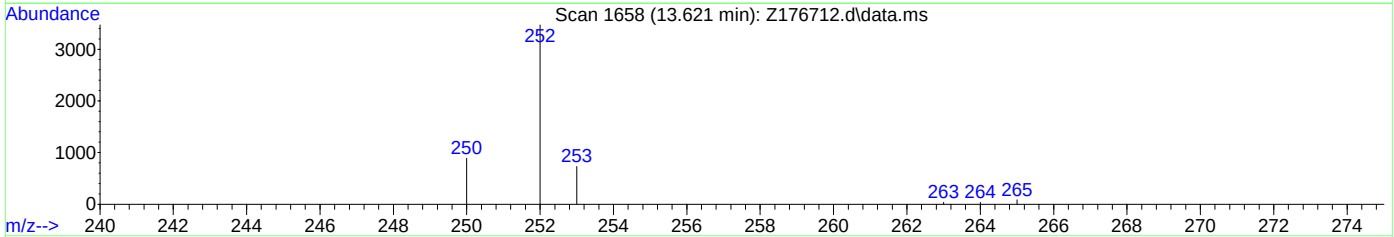
Ion	Exp%	Act%
198.00	100	100
105.00	52.90	32.99
121.00	46.80	30.43
0.00	0.00	0.00

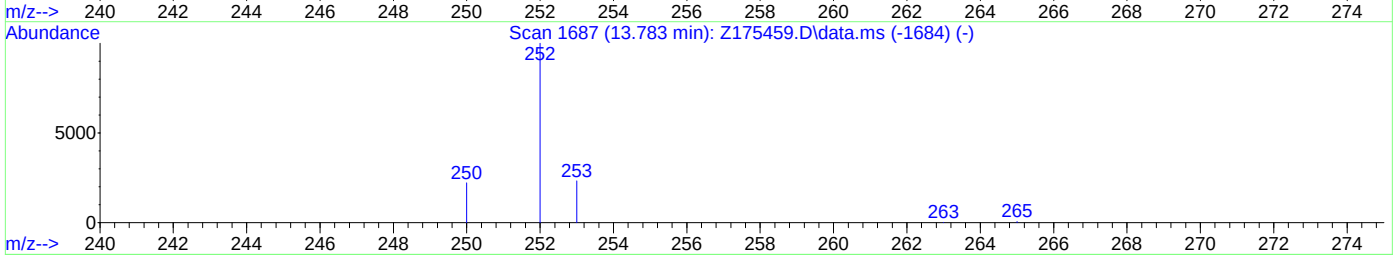
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\Octubre\10-27\ez8699\
Data File : Z176712.d
Acq On : 27 Oct 2025 10:05 am
Operator : rocquans
Sample : cc8654-0.2 Inst : GCMSZ
Misc : op68372a,ez8699,250,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 27 13:52:50 2025
Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 27 13:52:42 2025
Response via : Initial Calibration







TIC: Z176712.d\data.ms

(29) Benzo[b]fluoranthene (t)

13.621min (-0.003) 179.05ppb

response 5436

Ion	Exp%	Act%
252.00	100	100
253.00	21.10	19.61
250.00	24.70	24.53
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\Octubre\10-27\ez8699\
Data File : Z176713.d
Acq On : 27 Oct 2025 10:30 am
Operator : rocquans
Sample : cc8655-0.2 Inst : GCMSZ
Misc : op68372a,ez8699,250,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 27 13:57:57 2025
Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 27 13:56:18 2025
Response via : Initial Calibration

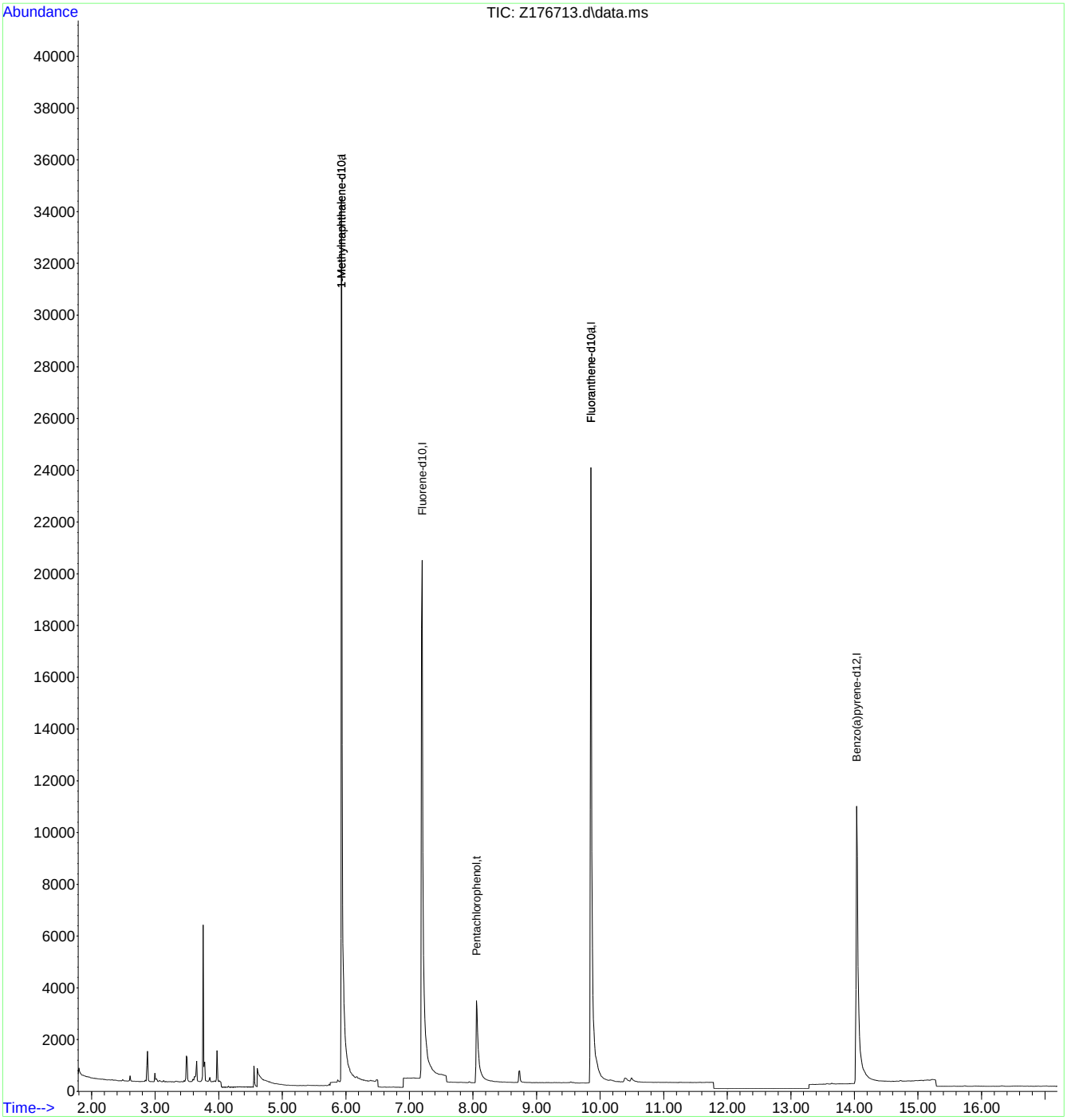
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1-Methylnaphthalene-d10	5.929	150	17765	800.00	ppb		0.00
12) Fluorene-d10	7.200	176	21104	800.00	ppb		0.01
19) Fluoranthene-d10	9.853	212	33743	800.00	ppb		0.00
28) Benzo(a)pyrene-d12	14.035	264	21536	800.00	ppb		0.00
35) 1-Methylnaphthalene-d10a	5.929	150	17765	800.00	ppb	#	0.00
37) Fluoranthene-d10a	9.853	212	33743	800.00	ppb		0.00
System Monitoring Compounds							
3) 2-Fluorophenol	0.000	112	0d	0.00	ppb		
Spiked Amount 10000.000			Recovery =	0.00%			
4) Phenol-d5	0.000	99	0d	0.00	ppb		
Spiked Amount 10000.000			Recovery =	0.00%			
6) Nitrobenzene-d5	0.000	82	0d	0.00	ppb		
Spiked Amount 10000.000			Recovery =	0.00%			
13) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb		
Spiked Amount 10000.000			Recovery =	0.00%			
18) 2,4,6-Tribromophenol	0.000	330	0d	0.00	ppb		
Spiked Amount 10000.000			Recovery =	0.00%			
25) Terphenyl-d14	0.000	244	0d	0.00	ppb		
Spiked Amount 10000.000			Recovery =	0.00%			
Target Compounds							Qvalue
38) Pentachlorophenol	8.053	266	3853	869.1134	ppb		99

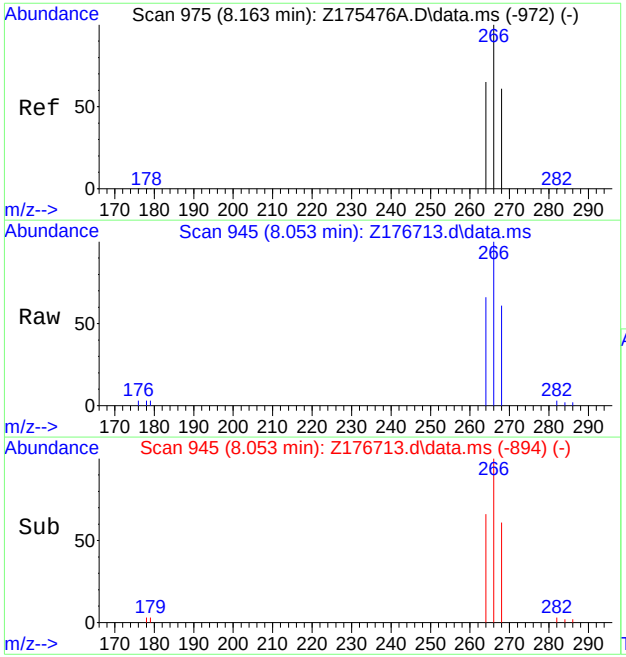
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\hayderm\BATCH\Octubre\10-27\ez8699\
Data File : Z176713.d
Acq On : 27 Oct 2025 10:30 am
Operator : rocquans
Sample : cc8655-0.2 Inst : GCMSZ
Misc : op68372a,ez8699,250,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 27 13:57:57 2025
Quant Method : X:\Dayton SVOA GCMS\hayderm\Method\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 27 13:56:18 2025
Response via : Initial Calibration

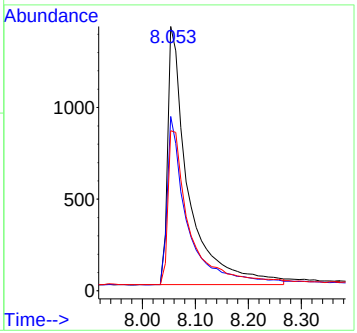




#38
Pentachlorophenol
Concen: 869.1134 ppb
RT: 8.053 min Scan# 945
Delta R.T. -0.006 min
Lab File: Z176713.d
Acq: 27 Oct 2025 10:30 am

Tgt Ion:266 Resp: 3853

Ion	Ratio	Lower	Upper
266	100		
264	62.2	41.6	81.6
268	62.5	41.2	81.2



9.6.40

9

SGS

SEMIVOLATILE by GCMS ANALYSIS LOG

Date: 9/17/2025

Batch ID:ECS446

Print Analyst Name:
rocquans
Analyst Signature:
RS

Columns: ZB5MS Plus 30mx0.25mmx0.25um

Method: 8270e

Initial Cal. Method: MCS436SIM.M

Injection vol. - 1.0 µl

Standard data

Lot#	Description	concentration
sv25-145b	sim lvi	1ppm
sv25-145c	sim lvi	0.5ppm
sv25-145d	sim lvi	0.2ppm
sv25-145e	sim lvi	0.1ppm
sv25-145f	sim lvi	0.04ppm
sv25-145g	sim lvi	0.02ppm
sv25-145h	sim lvi	0.01ppm
sv25-145i	sim lvi	0.004ppm
sv25-145j	sim lvi	0.002ppm
sv25-145a	sim lvi	2ppm
sv25-167	svoc1	0.2ppm
sc25-166	svoc2	1ppm
Lot#	Description	concentration

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Method	File ID	OP Batch, Run ID, Vi,,,Vf, Dil.	Test Code	IS	SURR	Status	Comments
41	sim lvi test	mcs446SIMLVI.M	cs8564	op66906a,ecs445,1000,,,1,20					
41	sim lvi test	mcs446SIMLVI.M	cs8565	op66906a,ecs445,1000,,,1,20					
41	dftpp	dftppcs.m	cs8566	op67159a,ecs446,250,,,1,1					
41	dftpp	dftppcs.m	cs8567	op67159a,ecs446,250,,,1,1				ok	
42	ic446-0.002	mcs446SIMLVI.M	cs8568	op67159a,ecs446,250,,,1,1				ok	
43	ic446-0.004	mcs446SIMLVI.M	cs8569	op67159a,ecs446,250,,,1,1				ok	
44	ic446-0.01	mcs446SIMLVI.M	cs8570	op67159a,ecs446,250,,,1,1				ok	
45	ic446-0.02	mcs446SIMLVI.M	cs8571	op67159a,ecs446,250,,,1,1				ok	
46	ic446-0.04	mcs446SIMLVI.M	cs8572	op67159a,ecs446,250,,,1,1				ok	
47	ic446-0.1	mcs446SIMLVI.M	cs8573	op67159a,ecs446,250,,,1,1				ok	
48	icc446-0.2	mcs446SIMLVI.M	cs8574	op67159a,ecs446,250,,,1,1				ok	
49	ic446-0.5	mcs446SIMLVI.M	cs8575	op67159a,ecs446,250,,,1,1				ok	
50	ic446-1	mcs446SIMLVI.M	cs8576	op67159a,ecs446,250,,,1,1				ok	
51	ic446-2	mcs446SIMLVI.M	cs8577	op67159a,ecs446,250,,,1,1				ok	
52	icv446-0.2	mcs446SIMLVI.M	cs8578	op67159a,ecs446,250,,,1,1				ok	
53	icv446-1	mcs446SIMLVI.M	cs8579	op67159a,ecs446,250,,,1,1				ok	PCP double in mix/ recalculated

SGS

SEMIVOLATILE by GCMS ANALYSIS LOG

Date: 10/16/2025

Standard data

Lot#	Description	concentration
sv25-145d	sim lvi	0.2ppm
sv25-202	dftpp	50ppm
sv25-141	sim internal std	400ppm
250510	DCM- Fisher	

Batch ID:ECS468

Print Analyst Name:
alejanda
Analyst Signature:
ac

Columns: ZB5MS Plus 30mx0.25mmx0.25um

Method: 8270e

Initial Cal. Method: MCS446SIMLVI.M
Injection vol. - 5.0 µl
Processed by: Recheleb/AlodiaB

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Method	File ID	OP Batch, Run ID, Vi,,,Vf, Dil.	Test Code	IS	SURR	Status	Comments
1	dcm	mcs446SIMLVI.M	cs9059	op68079a,ecs468,250,,,1,1					
2	dftpp	DFTPPCS	cs9060	op68079a,ecs468,250,,,1,1				ok	tune/14:29
3	cc446-0.2	mcs446SIMLVI.M	cs9061	op68079a,ecs468,250,,,1,1				ok	sim lvi
1	dcm	mcs446SIMLVI.M	cs9062	op68079a,ecs468,250,,,1,1				ok	
4	op68138a-mb1	mcs446SIMLVI.M	cs9063	op68138a,ecs468,250,,,1,1		Y	Y	ok	
5	op68138a-bs12	mcs446SIMLVI.M	cs9064	op68138a,ecs468,250,,,1,1		Y	Y	ok	
6	op68138a-bsd12	mcs446SIMLVI.M	cs9065	op68138a,ecs468,250,,,1,1		Y	Y	ok	
7	je20825-1	mcs446SIMLVI.M	cs9066	op68138a,ecs468,250,,,1,1		Y	Y	ok	rr 20x dl
8	je20825-2	mcs446SIMLVI.M	cs9067	op68138a,ecs468,250,,,1,1					invalid samplenum
9	je20825-3	mcs446SIMLVI.M	cs9068	op68138a,ecs468,250,,,1,1		Y	Y	ok	rr 25x dl
10	je20825-4	mcs446SIMLVI.M	cs9069	op68138a,ecs468,250,,,1,1	BLV8270SIMPAH	Y	Y	ok	
11	je20825-5	mcs446SIMLVI.M	cs9070	op68138a,ecs468,250,,,1,1	BLV8270SIMPAH	Y	Y	ok	
12	je20827-1	mcs446SIMLVI.M	cs9071	op68138a,ecs468,250,,,1,1	ABLV8270SIMSL	Y	Y	ok	
13	je20827-2	mcs446SIMLVI.M	cs9072	op68138a,ecs468,250,,,1,1	ABLV8270SIMSL	Y	Y	ok	
14	je20827-3	mcs446SIMLVI.M	cs9073	op68138a,ecs468,250,,,1,1	ABLV8270SIMSL	Y	Y	ok	
15	je20827-4	mcs446SIMLVI.M	cs9074	op68138a,ecs468,250,,,1,1	ABLV8270SIMSL	Y	N	ok	surr low

SGS

SEMIVOLATILE by GCMS ANALYSIS LOG

Date: 10/16/2025

Standard data

Lot#	Description	concentration
sv25-145d	sim lvi	0.2ppm
sv25-202	dftpp	50ppm
sv25-141	sim internal std	400ppm
250510	DCM- Fisher	

Batch ID:ECS468

Print Analyst Name:
alejanda
Analyst Signature:
ac

Columns: ZB5MS Plus 30mx0.25mmx0.25um

Method: 8270e

Initial Cal. Method: MCS446SIMLVI.M
Injection vol. - 5.0 µl
Processed by: Recheleb/AlodiaB

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Method	File ID	OP Batch, Run ID, Vi,,,Vf, Dil.	Test Code	IS	SURR	Status	Comments
16	je20827-5	mcs446SIMLVI.M	cs9075	op68138a,ecs468,250,,,1,1	ABLV8270SIMSL	Y	Y	ok	
17	je20827-6	mcs446SIMLVI.M	cs9076	op68138a,ecs468,250,,,1,1	ABLV8270SIMSL	Y	Y	ok	
18	je20500-2	mcs446SIMLVI.M	cs9077	op67981a,ecs468,250,,,1,50	ABLV8270SIMPAH, ASIM+PCP	Y	Y	ok	rr dl 1000x done 2M144170
19	je20500-4	mcs446SIMLVI.M	cs9078	op67981a,ecs468,250,,,1,20	ABLV8270SIMPAH, ASIM+PCP	Y	Y	ok	rr dl 1000x done 2M144172
20	je20500-6	mcs446SIMLVI.M	cs9079	op67981a,ecs468,250,,,1,20	ABLV8270SIMPAH, ASIM+PCP	Y	Y	ok	rr dl 1000x done 2M144173
21	je20803-10	mcs446SIMLVI.M	cs9080	op68079a,ecs468,250,,,1,5	BLV8270SIMPAH+2MNAP	Y	Y	ok	
22	je20803-15	mcs446SIMLVI.M	cs9081	op68079a,ecs468,250,,,1,5	BLV8270SIMPAH+2MNAP	Y	Y	ok	
23	je20803-16	mcs446SIMLVI.M	cs9082	op68079a,ecs468,250,,,1,20	BLV8270SIMPAH+2MNAP	Y	Y	ok	
24	je20803-17	mcs446SIMLVI.M	cs9083	op68079a,ecs468,250,,,1,5	BLV8270SIMPAH+2MNAP	Y	Y	ok	12:35 AM

SGS

SEMIVOLATILE by GCMS ANALYSIS LOG

Date: 10/24/2025

Standard data

Lot#	Description	concentration
sv25-145d	sim lvi	0.2ppm
sv25-202	dftpp	50ppm
sv25-141	sim internal std	400ppm
250510	DCM- Fisher	

Batch ID:ECS475

Print Analyst Name:
alejanda
Analyst Signature:
ac

Columns: ZB5MS Plus 30mx0.25mmx0.25um

Method: 8270e

Initial Cal. Method: MCS446SIMLVI.M

Injection vol. - 5.0 µl

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Method	File ID	OP Batch, Run ID, Vi,,,Vf, Dil.	Test Code	IS	SURR	Status	Comments
1	dcm	mcs446SIMLVI.M	cs9241	op68446c,ecs475,250,,,1,1					
1	dcm	mcs446SIMLVI.M	cs9242	op68446c,ecs475,250,,,1,1					
2	cc446-0.2	mcs446SIMLVI.M	cs9243	op68446c,ecs475,250,,,1,1		y	y	ok	12:23
1	dcm	mcs446SIMLVI.M	cs9244	op68446c,ecs475,250,,,1,1		y	y	ok	
3	op68290a-mb1	mcs446SIMLVI.M	cs9245	op68290a,ecs475,250,,,1,1		y	y	ok	
4	op68406a-mb1	mcs446SIMLVI.M	cs9246	op68406a,ecs475,250,,,1,1		y	y	ok	
5	je21275-5	mcs446SIMLVI.M	cs9247	op68290a,ecs475,250,,,1,1		y	y	ok	
6	op68290a-bs12	mcs446SIMLVI.M	cs9248	op68290a,ecs475,250,,,1,1		y	y	ok	rec high
7	op68290a-bsd12	mcs446SIMLVI.M	cs9249	op68290a,ecs475,250,,,1,1		y	y	ok	
8	op68406a-bs12	mcs446SIMLVI.M	cs9250	op68406a,ecs475,250,,,1,1		y	y	ok	rec high
9	op68406a-bsd12	mcs446SIMLVI.M	cs9251	op68406a,ecs475,250,,,1,1		y	y	ok	
10	je20825-1	mcs446SIMLVI.M	cs9252	op68290a,ecs475,250,,,1,1		y	y	ok	rr dl 5x,50x
11	je20825-3	mcs446SIMLVI.M	cs9253	op68290a,ecs475,250,,,1,1		y	y	ok	rr dl 5x,50x
12	je20825-4	mcs446SIMLVI.M	cs9254	op68290a,ecs475,250,,,1,1		y	y	ok	
13	je20825-5	mcs446SIMLVI.M	cs9255	op68290a,ecs475,250,,,1,1		y	y	ok	
14	je21275-1	mcs446SIMLVI.M	cs9256	op68290a,ecs475,250,,,1,1		y	y	ok	
15	je21275-2	mcs446SIMLVI.M	cs9257	op68290a,ecs475,250,,,1,1		y	y	ok	
16	je21275-3	mcs446SIMLVI.M	cs9258	op68290a,ecs475,250,,,1,1		y	y	ok	

SGS

SEMIVOLATILE by GCMS ANALYSIS LOG

Date: 10/24/2025

Standard data

Lot#	Description	concentration
sv25-145d	sim lvi	0.2ppm
sv25-202	dftpp	50ppm
sv25-141	sim internal std	400ppm
250510	DCM- Fisher	

Batch ID:ECS475

Print Analyst Name:
alejanda
Analyst Signature:
ac

Columns: ZB5MS Plus 30mx0.25mmx0.25um

Method: 8270e

Initial Cal. Method: MCS446SIMLVI.M

Injection vol. - 5.0 µl

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Method	File ID	OP Batch, Run ID, Vi,,,Vf, Dil.	Test Code	IS	SURR	Status	Comments
17	je21275-4	mcs446SIMLVI.M	cs9259	op68290a,ecs475,250,,,1,1		y	y	ok	
18	je21275-6	mcs446SIMLVI.M	cs9260	op68290a,ecs475,250,,,1,1		y	y	ok	
19	je21275-7	mcs446SIMLVI.M	cs9261	op68290a,ecs475,250,,,1,1		y	y	ok	
20	je21275-8	mcs446SIMLVI.M	cs9262	op68290a,ecs475,250,,,1,1		y	y	ok	
21	je21275-9	mcs446SIMLVI.M	cs9263	op68290a,ecs475,250,,,1,1		y	y	ok	
22	je20904-5	mcs446SIMLVI.M	cs9264	op68406a,ecs475,250,,,1,1		y	y	ok	
23	je21034-8	mcs446SIMLVI.M	cs9265	op68406a,ecs475,250,,,1,1		y	y	ok	
24	je21455-6	mcs446SIMLVI.M	cs9266	op68406a,ecs475,250,,,1,1		y	y	ok	
25	je21563-4	mcs446SIMLVI.M	cs9267	op68406a,ecs475,250,,,1,1		1h	low	ok	
26	je21563-5	mcs446SIMLVI.M	cs9268	op68406a,ecs475,250,,,1,1		y	y	ok	
27	je21563-6	mcs446SIMLVI.M	cs9269	op68406a,ecs475,250,,,1,1		y	y	ok	11:58:00 PM/rrdl 10x

SGS

SEMIVOLATILE by GCMS ANALYSIS LOG

Date: 9/10/2025

Standard data

Lot#	Description	concentration
sv25-145a	sim lvi	2ppm
sv25-145b	sim lvi	1ppm
sv25-145c	sim lvi	0.5ppm
sv25-145D	sim lvi	0.2ppm
sv25-145E	sim lvi	0.1ppm
sv25-145F	sim lvi	0.04ppm
sv25-145G	sim lvi	0.02ppm
sv25-145H	sim lvi	0.01ppm
sv25-145I	sim lvi	0.004ppm
sv25-145J	sim lvi	0.002ppm
sv25-167	svoc2	1ppm
sv25-166	svoc1	0.2ppm
sv25-2993-114	dftpp	50ppm
Lot#	Description	concentration

Batch ID:EZ8654

Print Analyst Name:
rocquans
Analyst Signature:
RS
Columns:zb-5MSplus 30M x 0.25MM x 0.25UM

Method:8270e
Initial Cal. Method:MZ8651simlvi
Injection vol. - 5.0 µl

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Method	File ID	OP Batch, Run ID, Vi,,,Vf, Dil.	Test code	IS	SURR	Comments
1	dftpp	DFTPPZ	Z175452	op66828a,ez8654,250,,,1,1				ok
2	ic8654-0.002	MZ8654SIMLVI	Z175453	op66828a,ez8654,250,,,1,1				ok
3	ic8654-0.004	MZ8654SIMLVI	Z175454	op66828a,ez8654,250,,,1,1				ok
4	ic8654-0.01	MZ8654SIMLVI	Z175455	op66828a,ez8654,250,,,1,1				ok
5	ic8654-0.02	MZ8654SIMLVI	Z175456	op66828a,ez8654,250,,,1,1				ok
6	ic8654-0.04	MZ8654SIMLVI	Z175457	op66828a,ez8654,250,,,1,1				ok
7	ic8654-0.1	MZ8654SIMLVI	Z175458	op66828a,ez8654,250,,,1,1				ok
8	ic8654-0.2	MZ8654SIMLVI	Z175459	op66828a,ez8654,250,,,1,1				ok
9	ic8654-0.5	MZ8654SIMLVI	Z175460	op66828a,ez8654,250,,,1,1				ok
10	ic8654-1	MZ8654SIMLVI	Z175461	op66828a,ez8654,250,,,1,1				ok
11	ic8654-2	MZ8654SIMLVI	Z175462	op66828a,ez8654,250,,,1,1				ok
12	icv8654-0.2	MZ8654SIMLVI	Z175463	op66828a,ez8654,250,,,1,1				not use
13	icv8654-1	MZ8654SIMLVI	Z175464	op66828a,ez8654,250,,,1,1				ok
6	ic8654-0.04	MZ8654SIMLVI	Z175465	op66828a,ez8654,250,,,1,1				not use
14	icv8654-0.2	MZ8654SIMLVI	Z175466	op66828a,ez8654,250,,,1,1				ok

SGS

SEMIVOLATILE by GCMS ANALYSIS LOG

Date: 9/11/2025

Standard data

Lot#	Description	concentration
sv25-197a	sim pcp lvi	2ppm
sv25-197b	sim pcp lvi	1ppm
sv25-197c	sim pcp lvi	0.5ppm
sv25-197D	sim pcp lvi	0.2ppm
sv25-197E	sim pcp lvi	0.1ppm
sv25-197F	sim pcp lvi	0.04ppm
sv25-197G	sim pcp lvi	0.02ppm
sv25-197H	sim pcp lvi	0.01ppm
sv25-197I	sim pcp lvi	0.004ppm
sv25-197J	sim pcp lvi	0.002ppm
sv25-167	svoc2	1ppm
sv25-166	svoc1	0.2ppm
sv25-2993-114	dftpp	50ppm
Lot#	Description	concentration

Batch ID:EZ8655

Print Analyst Name:
rocquans
Analyst Signature:
RS
Columns:zb-5MSplus 30M x 0.25MM x 0.25UM

Method:8270e
Initial Cal. Method:MZ8651simlvi
Injection vol. - 5.0 µl

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Method	File ID	OP Batch, Run ID, Vi,,,Vf, Dil.	Test code	IS	SURR	Comments
1	dftpp	DFTPPZ	Z175468	op66828a,ez8655,250,,,1,1				ion fail
1	dftpp	DFTPPZ	Z175469	op66828a,ez8655,250,,,1,1				ok
16	ic8655-0.002	MZ8654SIMLVI	Z175470	op66828a,ez8655,250,,,1,1				ok
17	ic8655-0.004	MZ8654SIMLVI	Z175471	op66828a,ez8655,250,,,1,1				ok
18	ic8655-0.01	MZ8654SIMLVI	Z175472	op66828a,ez8655,250,,,1,1				ok
19	ic8655-0.02	MZ8654SIMLVI	Z175473	op66828a,ez8655,250,,,1,1				ok
20	ic8655-0.04	MZ8654SIMLVI	Z175474	op66828a,ez8655,250,,,1,1				ok
21	ic8655-0.1	MZ8654SIMLVI	Z175475	op66828a,ez8655,250,,,1,1				ok
22	ic8655-0.2	MZ8654SIMLVI	Z175476	op66828a,ez8655,250,,,1,1				ok
23	ic8655-0.5	MZ8654SIMLVI	Z175477	op66828a,ez8655,250,,,1,1				ok
24	ic8655-1	MZ8654SIMLVI	Z175478	op66828a,ez8655,250,,,1,1				ok
25	ic8655-2	MZ8654SIMLVI	Z175479	op66828a,ez8655,250,,,1,1				ok
13	icv8655-1	MZ8654SIMLVI	Z175480	op66828a,ez8655,250,,,1,1				ok

SEMIVOLATILE by GCMS ANALYSIS LOG

Date: 10/17/2025

Standard data

Lot#	Description	concentration
sv25-197D	sim pcp lvi	0.2ppm
sv25-145D	sim lvi	0.2ppm
SV25-141	sim internal	400ppm
250510	DCM-Fisher	
Lot#	**Description**	**concentration**

Batch ID:EZ8689

Print Analyst Name:
rocquans
Analyst Signature:
RS
Columns:zb-5MSplus 30M x 0.25MM x 0.25UM

Method:8270e
Initial Cal. Method:MZ8654simlvi
Injection vol. - 5.0 µl

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Method	File ID	OP Batch, Run ID, Vi,,,Vf, Dil.	Test code	IS	SURR	Comments
1	dcm	MZ8654SIMLVI	Z176433	op68111a,ez8689,250,,,1,1				
2	cc8654-0.2	MZ8654SIMLVI	Z176434	op68111a,ez8689,250,,,1,1				not using
3	cc8655-0.2	MZ8654SIMLVI	Z176435	op68111a,ez8689,250,,,1,1				not using/change liner
2	cc8654-0.2	MZ8654SIMLVI	Z176436	op68111a,ez8689,250,,,1,1				OK/13:05
3	cc8655-0.2	MZ8654SIMLVI	Z176437	op68111a,ez8689,250,,,1,1				not using/ wrong vial
3	cc8655-0.2	MZ8654SIMLVI	Z176438	op68111a,ez8689,250,,,1,1				not using
1	dcm	MZ8654SIMLVI	Z176439	op68111a,ez8689,250,,,1,1				OK
31	op68209a-mb1	MZ8654SIMLVI	Z176440	op68209a,ez8689,250,,,1,1		y	y	OK
32	je3763-7	MZ8654SIMLVI	Z176441	op68209a,ez8689,250,,,1,1		y	y	OK
33	op68192a-mb1	MZ8654SIMLVI	Z176442	op68192a,ez8689,250,,,1,1		y	y	OK
34	op68138a-mb2	MZ8654SIMLVI	Z176443	op68138a,ez8689,250,,,1,1		y	y	OK
35	op68255a-mb1	MZ8654SIMLVI	Z176444	op68255a,ez8689,250,,,1,1		y	y	OK

SGS

SEMIVOLATILE by GCMS ANALYSIS LOG

Date: 10/17/2025

Standard data

Lot#	Description	concentration
sv25-197D	sim pcp lvi	0.2ppm
sv25-145D	sim lvi	0.2ppm
SV25-141	sim internal	400ppm
250510	DCM-Fisher	
Lot#	**Description**	**concentration**

Batch ID:EZ8689

Print Analyst Name:
rocquans
Analyst Signature:
RS
Columns:zb-5MSplus 30M x 0.25MM x 0.25UM

Method:8270e
Initial Cal. Method:MZ8654simlvi
Injection vol. - 5.0 µl

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Method	File ID	OP Batch, Run ID, Vi,,,Vf, Dil.	Test code	IS	SURR	Comments
36	op65192a-bs12	MZ8654SIMLVI	Z176445	op68192a,ez8689,250,,,1,1		y	y	OK
37	op65192a-bsd12	MZ8654SIMLVI	Z176446	op68192a,ez8689,250,,,1,1		y	y	OK
38	op68138a-bs122	MZ8654SIMLVI	Z176447	op68138a,ez8689,250,,,1,1		y	low	OK
39	op68255a-bs12	MZ8654SIMLVI	Z176448	op68255a,ez8689,250,,,1,1		y	y	OK
40	op68255a-bsd12	MZ8654SIMLVI	Z176449	op68255a,ez8689,250,,,1,1		y	y	OK
41	je20990-1	MZ8654SIMLVI	Z176450	op68192a,ez8689,250,,,1,1		y	y	OK
42	je20990-2	MZ8654SIMLVI	Z176451	op68192a,ez8689,250,,,1,1		y	y	OK
43	je21172-1	MZ8654SIMLVI	Z176452	op68255a,ez8689,250,,,1,1		y	y	RR DL 5X
44	je21172-2	MZ8654SIMLVI	Z176453	op68255a,ez8689,250,,,1,1		y	y	OK
45	je21172-4	MZ8654SIMLVI	Z176454	op68255a,ez8689,250,,,1,1		y	y	OK
46	je21172-5	MZ8654SIMLVI	Z176455	op68255a,ez8689,250,,,1,1		y	y	OK
47	je21172-11	MZ8654SIMLVI	Z176456	op68255a,ez8689,250,,,1,1		y	y	OK

SEMIVOLATILE by GCMS ANALYSIS LOG

Date: 10/17/2025

Standard data

Lot#	Description	concentration
sv25-197D	sim pcp lvi	0.2ppm
sv25-145D	sim lvi	0.2ppm
SV25-141	sim internal	400ppm
250510	DCM-Fisher	
Lot#	**Description**	**concentration**

Batch ID:EZ8689

Print Analyst Name:
rocquans
Analyst Signature:
RS
Columns:zb-5MSplus 30M x 0.25MM x 0.25UM

Method:8270e
Initial Cal. Method:MZ8654simlvi
Injection vol. - 5.0 µl

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Method	File ID	OP Batch, Run ID, Vi,,,Vf, Dil.	Test code	IS	SURR	Comments
48	op68138a-msa	MZ8654SIMLVI	Z176457	op68255a,ez8689,250,,,1,1		y	y	OK
49	op68138a-msd	MZ8654SIMLVI	Z176458	op68255a,ez8689,250,,,1,1		y	y	OK/23:08

SGS

SEMIVOLATILE by GCMS ANALYSIS LOG

Date: 10/27/2025

Standard data

Lot#	Description	concentration
SV25-202	DFTPP	50ppm
sv25-197D	sim pcp lvi	0.2ppm
sv25-145D	sim lvi	0.2ppm
SV25-141	sim internal	400ppm
250510	DCM-Fisher	
Lot#	**Description**	**concentration**

Batch ID:EZ8699

Print Analyst Name:
rocquans
Analyst Signature:
RS
Columns:zb-5MSplus 30M x 0.25MM x 0.25UM

Method:8270e
Initial Cal. Method:MZ8654simlvi
Injection vol. - 5.0 µl
Processed By:
HayderM/AlodiaB

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Method	File ID	OP Batch, Run ID, Vi,,,Vf, Dil.	Test code	IS	SURR	Status	Comments
1	dcm	MZ8654SIMLVI	Z176711	op68372a,ez8699,250,,,1,1					ok
2	cc8654-0.2	MZ8654SIMLVI	Z176712	op68372a,ez8699,250,,,1,1				ok	sim lvi/10:05 am
3	cc8655-0.2	MZ8654SIMLVI	Z176713	op68372a,ez8699,250,,,1,1				ok	sim pcp
1	dcm	MZ8654SIMLVI	Z176714	op68372a,ez8699,250,,,1,1				ok	
4	je21622-26	MZ8654SIMLVI	Z176715	op68440a,ez8699,250,,,1,1		Y	Y	ok	
5	je21622-30	MZ8654SIMLVI	Z176716	op68440a,ez8699,250,,,1,1		Y	Y	ok	
6	je21622-38	MZ8654SIMLVI	Z176717	op68440a,ez8699,250,,,1,1		Y	Y	ok	
7	je21536-7	MZ8654SIMLVI	Z176718	op68406a,ez8699,250,,,1,1	BLV8270SIMPAH*	Y	Y	ok	rr 10x dil
8	je21536-8	MZ8654SIMLVI	Z176719	op68406a,ez8699,250,,,1,1	BLV8270SIMPAH*	Y	Y	ok	rr 20 x dil
9	je21704-11	MZ8654SIMLVI	Z176720	op68471a,ez8699,250,,,1,1	BLV8270SIMNJ*	Y	Y	ok	
10	je21706-1	MZ8654SIMLVI	Z176721	op68471a,ez8699,250,,,1,1	ABLV8270SIMNJAO*,	Y	Y	ok	
11	je21706-2	MZ8654SIMLVI	Z176722	op68471a,ez8699,250,,,1,1	ABLV8270SIMNJAO*,	Y	Y	ok	
12	je21706-3	MZ8654SIMLVI	Z176723	op68471a,ez8699,250,,,1,1	ABLV8270SIMNJAO*,	Y	Y	ok	
13	je21454-1	MZ8654SIMLVI	Z176724	op68372a,ez8699,250,,,1,5	BLV8270SIM14DIOX*	Y	low	ok	
14	je21454-2	MZ8654SIMLVI	Z176725	op68372a,ez8699,250,,,1,5	BLV8270SIM14DIOX*	Y	Y	ok	
15	je21616-1	MZ8654SIMLVI	Z176726	op68440a,ez8699,250,,,1,1	ABLV8270SIMNJ*, BSIM+14DIOX*	Y	Y	ok	
16	je21622-25	MZ8654SIMLVI	Z176727	op68440a,ez8699,250,,,1,1	BLV8270SIM14DIOX*	Y	Y	ok	

SGS

SEMIVOLATILE by GCMS ANALYSIS LOG

Date: 10/27/2025

Standard data

Lot#	Description	concentration
SV25-202	DFTPP	50ppm
sv25-197D	sim pcp lvi	0.2ppm
sv25-145D	sim lvi	0.2ppm
SV25-141	sim internal	400ppm
250510	DCM-Fisher	
Lot#	**Description**	**concentration**

Batch ID:EZ8699

Print Analyst Name:
rocquans
Analyst Signature:
RS
Columns:zb-5MSplus 30M x 0.25MM x 0.25UM

Method:8270e
Initial Cal. Method:MZ8654simlvi
Injection vol. - 5.0 µl
Processed By:
HayderM/AlodiaB

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Method	File ID	OP Batch, Run ID, Vi,,,Vf, Dil.	Test code	IS	SURR	Status	Comments
17	je21704-10	MZ8654SIMLVI	Z176728	op68471a,ez8699,250,,,1,1		Y	Y	ok	
18	je21547-2	MZ8654SIMLVI	Z176729	op68440a,ez8699,250,,,1,1	BLV8270SIMHEXCBNZ	Y	Y	ok	
19	je20825-1	MZ8654SIMLVI	Z176730	op68290a,ez8699,250,,,1,10	BLV8270SIMPAH	Y	Y	ok	dilutions made from op68138a; Sample extracted outside the holding time.
20	je20825-1	MZ8654SIMLVI	Z176731	op68290a,ez8699,250,,,1,50	BLV8270SIMPAH	Y	Y	ok	dilutions made from op68138a; Sample extracted outside the holding time.
21	je20825-3	MZ8654SIMLVI	Z176732	op68290a,ez8699,250,,,1,10	BLV8270SIMPAH	Y	Y	ok	dilutions made from op68138a; rr dl done on Z176733; Sample extracted outside the holding time.
22	je20825-3	MZ8654SIMLVI	Z176733	op68290a,ez8699,250,,,1,50	BLV8270SIMPAH	Y	Y	ok	dilutions made from op68138a; Sample extracted outside the holding time.
23	je21563-6	MZ8654SIMLVI	Z176734	op68406a,ez8699,250,,,1,50	BLV8270SIMPAH	Y	Y	ok	
24	je21563-4	MZ8654SIMLVI	Z176735	op68406a,ez8699,250,,,1,2	BLV8270SIMPAH	Y	Y	ok	7:46 PM

ABN Aqueous Extraction Logbook

Update A batch

LOGBOOK ID:

Date Started: 10/15/25 Time Started: 6:45
Date Finished: 10/15/25 Time Finished: 17:48

Extract Method (CHECK OFF "√" /DO NOT CIRCLE):
Separatory Funnel: SW846 3510C/CLP/other ✓ 3510C SIM
Continuous Liquid Liquid: SW846 3520C/CLP/other

BATCH # MS OP68138	RACK# Orange
Set-up by:	AY GO
Extracted by:	AY GO KB AM MM
Concentrated by:	KB
Final Vol. Top-up:	
Vialed by:	KB
Vials:	24122086 - Fisher
Vial Labels verified by:	
Supervisor Review:	NT 10/17/2025

Equipment/ Range	ID	Observed Temp (°C)	Correction Factor (°C)	Corrected Temp (°C)	Pressure/ Flowrate
Buchi (65-71°C)					
Buchi Chiller					
Waterbath (70-80°C)	6	75	+1	76	OK
Waterbath Chiller (GPM)	F2	5	–	–	OK
NEVAP (32-36°C, LPM)	3	35	–	–	10

SURROGATE	LOT #	CONC (ppm)	AMT (mL)
ABN	SV25-221	50	0.2
ABN DOD SIM			
WITNESS SIGN: BA		SPIKE SIGN: AY	
MATRIX SPIKE	LOT #	CONC (ppm)	AMT (mL)
Acid			Acid:
Acid (for SIM)			A(SIM):
~~Base #1~~ mix1	SV25-222	50/100	0.2
~~Base #2~~ mix2	SV25-184	50	0.2
Anilines			
BSIM	SV25-058	50	0.2
WITNESS SIGN: BA		SPIKE SIGN: AY	
SOLVENT	LOT #	BRAND	AMT (mL)
METH CHLOR	254902	Fisher	6.15
REAGENT	LOT #	BATCH #	BRAND
NaOH	245169		Fisher
H2SO4	4606F28		Ricca
Sodium Sulfate	526201	10/10/25	LSS
Glass Wool	05802		LSS
Filter Paper			
pH strips	202325		Hydrion

Special Client Spike Instructions

QC ID# for Special Spike	Amt to Spike	Spike ID	Lot #	Conc.	Amt. Spiked

WITNESS SIGN: SPIKE SIGN:
Manager/Supervisor/Team Lead Approval:

SPECIAL PROCESSING INSTRUCTIONS

Rx Reason:

Spiking:

Weights/Volumes:

Required MS/MSD:

Final Volume:

Other: HT 10/15 Rec 10/15

	Sample #	Analysis Type (LV1)	Sample Bottle #	Sample Description	Sample Volume (mL)	Final pH: Acid Extract	Final pH: BN/ABN Extract	Final Extract: Color	Final Extract: Vol(mL)	Comments
	MB1	ABN		DI H_2O	250	1	14	Clear	1	
	BS1			DI H_2O	250	1	14	L.Yellow	1	
	~~MS BSD~~			DI H_2O	250	1	14	L.Yellow	1	
	MSD									
	BS12	SIM		DI H_2O	250	1	14	Clear	1	
	~~MS BSD12~~			DI H_2O	250	1	14	Clear	1	
	MSD									
	BS									
	MS									
	MSD									
1	JE20730-1	ABN	4	Yellow	250	1	14	Clear	1	
2	-2		3	Clear	250	1		Clear	1	
3	-3		2	L Yellow	250	1		Clear	1	
4	JE20827-1		3	Orange	250	1		Clear	1	
5	-2		4	L Yellow	250	1		Clear	1	
6	-3		4	L Yellow	250	1		Clear	1	
7	-4		4	Yellow	250	1		L.Yellow	1	
8	-5		4	L Yellow	250	1		Clear	1	
9	-6		3	Clear	250	1		Clear	1	
10	JE20842-5		7	lt. yellow	250	1	14	clear	1	
11	JE20825-1	SIM	1	L Brown	250	1	14	L.Yellow	1	X
12	-2		1	L Brown	250	1		L.Yellow	1	X
13	-3		2	L Brown	250	1		L.Yellow	1	X
14	-4		1	Clear	250	1		Clear	1	
15	-5		1	Yellow	250	1		Clear	1	X
16	JE20842-1	ABN	2	Yellow	250	1		Clear	1	X
17	-2		1	Yellow	250	1		Clear	1	
18	-3		1	Clear	250	1		Clear	1	
19	-4		1	Yellow	250	1		Clear	1	X
20										

Comments: QC Samples (MS, MSD, LINK and/or DUP, Link) Confirmed by:
~~Blue Cap Bottles~~ x sediment • - emulsion

SGS
Form: OP022-16
Rev Date: 6/13/2025

3

ABN Aqueous Extraction Logbook

update A batch!

LOGBOOK ID:

Date Started: 10/16/25 Time Started: 21:40
Date Finished: 10/17/25 Time Finished: 14:30

Extract Method (CHECK OFF "√" /DO NOT CIRCLE):
Separatory Funnel: SW846 3510C/CLP/other ✓ 3510C SIM ✓
Continuous Liquid Liquid: SW846 3520C/CLP/other

BATCH # MS OP68138-2	RACK# Orange
Set-up by:	AY GO
Extracted by:	GO AM MM AY
Concentrated by:	AY
Final Vol. Top-up:	
Vialed by:	AY
Vials:	24122085 Fisher
Vial Labels verified by:	
Supervisor Review:	NT 10-17-2025

Equipment/ Range	ID	Observed Temp (°C)	Correction Factor (°C)	Corrected Temp (°C)	Pressure/ Flowrate
Buchi (65-71°C)					
Buchi Chiller					
Waterbath (70-80°C)	6	75.0	+1	76.0	OK
Waterbath Chiller (GPM)	F2	5	-	-	OK
NEVAP (32-38°C, LPM)	3	35.0	✓	-	10

SURROGATE	LOT #	CONC (ppm)	AMT (mL)
ABN	SV25 221	50	0.2
ABN DOD SIM			

WITNESS SIGN: SGC SPIKE SIGN: BO

MATRIX SPIKE	LOT #	CONC (ppm)	AMT (mL)
Acid			Acid:
Acid (for SIM)			A(SIM):
~~Base~~ #1 Mix	SV25 222	50/100	0.2
Base #2 Mix	SV25 184	50	0.2
Anilines			
BSIM	SV25 054	1-4	0.2

WITNESS SIGN: SGC SPIKE SIGN: BO

SOLVENT	LOT #	BRAND	AMT (mL)
METH CHLOR	254902	Fisher	Gx15

REAGENT	LOT #	BATCH #	BRAND
NaOH	245464		Fisher
H2SO4	450615-28		Ricca
Sodium Sulfate	526201	10/14/25	L33
Glass Wool	051802		L33
Filter Paper			
pH strips	202325		Hydrion

Special Client Spike Instructions

QC ID# for Special Spike	Amt to Spike	Spike ID	Lot #	Conc.	Amt. Spiked

WITNESS SIGN: SPIKE SIGN:
Manager/Supervisor/Team Lead Approval:

SPECIAL PROCESSING INSTRUCTIONS

Rx Reason:

Spiking:

Weights/Volumes:

Required MS/MSD:

Final Volume:

Other: HT 10/16

	Sample #	LV1 Analysis Type	Sample Bottle #	Sample Description	Sample Volume (mL)	Final pH: Acid Extract	Final pH: BN/ABN Extract	Final Extract: Color	Final Extract: Vol(mL)	Comments
	MB2	ABN		DI H2O	250	1	14	Clear	1	
	BS122	SIM		DI H2O	250	1	14	Clear	1	
	MSJE20825-1		25	L. Brown	250	1	14	yellow	1	
	MSD		26	L. Brown	250	1	14	yellow	1	
	BS									
	MS									
	MSD									
	BS									
	MS									
	MSD									
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										

Comments: QC Samples (MS, MSD, LINK and/or DUP, Link) Confirmed by:

SGS
Form: OP022-16
Rev Date: 6/13/2025

8

EPA625 ABN Aqueous Extraction Logbook

LOGBOOK ID:

Date Started: 10/20/25 Time Started: 19:30
Date Finished: 10/21/25 Time Finished: 12.00

Extract Method (CHECK OFF "√" /DO NOT CIRCLE):

Separatory Funnel: EPA625_____ SW3510C SIM_____

BATCH # MS OP68290	RACK# Blue
Set-up by:	KB, AM, BD 0500
Extracted by:	BD
Concentrated by:	AM
Final Vol. Top-up:	
Vialed by:	AM
VIALS:	24122085
Vial Labels verified by:	
Supervisor Review:	BA 10/22/25

Special Client Spike Instructions

QC ID# for Special Spike	Amt to Spike	Spike ID	Lot #	Conc.	Amt. Spiked

WITNESS SIGN SPIKE SIGN:

Manager/Supervisor/Team Lead Approval:

SPECIAL PROCESSING INSTRUCTIONS

Rx Reason:

Spiking:

Weights/Volumes:

Required MS/MSD:

Final Volume:

Other:

Due 10/24

	Sample #	Analysis Type	Sample Bottle #	Sample Description	Sample Volume (mL)	Final pH: Acids Extract	Final pH: BN/ABN Extract	Final Extract: Color	Final Extract: Vol(mL)	Comments
	MB1	ABN		DI H2O	~~950~~ 1000	1	14	clear	1	
	BS1			DI H2O	250	1	14	yellow	1	
	BSD ~~MS~~			DI H2O	250	1	14	yellow	1	
	MSD									
	BS	12 SIM		DI H2O	250	1	14	clear	1	
	BSD12 ~~MS~~	1		DI H2O	250	1	14	clear	1	
	MSD									
1	JE20825-1 (Rx)	sim	2	1. yellow	250	1	14	yellow	1	0
2	-3		1	1. yellow	250	1	14	clear	1	0
3	-4		2	clear	250	1	14	clear	1	0
4	-5		2	1. yellow	250	1	14	clear	1	0
5	JE21275-1		1	1. yellow	250	1	14	clear	1	
6	-2		1	yellow	250	1	14	clear	1	0
7	-3		1	1. yellow	250	1	14	clear	1	0
8	-4		2	clear	250	1	14	clear	1	0
9	-5		2	clear	250	1	14	clear	1	
10	-6		2	yellow	250	1	14	clear	1	0
11	-7		2	yellow	250	1	14	clear	1	0
12	-8		2	1. yellow	250	1	14	clear	1	0
13	-9		2	clear	250	1	14	clear	1	0
14	JE21329-1		4	clear	250	1	14	clear	1	0
15										
16										
17										
18										
19										
20										

Comments: QC Samples (MS, MSD, LINK and/or DUP, Link) Confirmed by:

0-emulsion

Equipment/ Range	ID	Observed Temp (°C)	Correction Factor (°C)	Corrected Temp (°C)	Pressure/ Flowrate
Buchi (65-71°C)					
Buchi Chiller					
Waterbath (70-80°C)	6	75	+1	76	OK
Waterbath Chiller (GPM)	F2	5	—	—	OK
NEVAP (32-38°C, LPM)	3	35	—	—	10

SURROGATE	LOT #	CONC (ppm)	AMT (mL)
ABN	SUS-221	50	0.2

WITNESS SIGN: SGC SPIKE SIGN: BD

MATRIX SPIKE	LOT #	CONC (ppm)	AMT (mL)
Acid			Acid:
Acid (for SIM)			A(SIM):
~~Base~~ #1 mix	SUS-222	50/100	0.2
~~Base~~ #2 mix	SUS-184	50	0.2
Anilines			
BSIM	SUS-058	50	0.2

WITNESS SIGN: SGC SPIKE SIGN: BD

SOLVENT	LOT #	BRAND	AMT (mL)
METH CHLOR	254902	Fisher	6x15

REAGENT	LOT #	BAKE BATCH #	BRAND
NaOH	242169		Fisher
H2SO4	450682		Ricca
Sodium Sulfate	526029	10110125	LSS
Glass Wool	05802		LSS
Filter Paper			
pH strips	202325		Hydrion

SGS
Form: OP051-07
Rev Date: 6/13/2025

5

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries
- GC Surrogate Retention Time Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method Blank Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GKM591-MB2	KM14108.D	1	10/13/25	JN	n/a	n/a	GKM591

The QC reported here applies to the following samples: **Method:** SW846 8015D

JE20825-5

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.11	mg/l	

CAS No.	Surrogate Recoveries		Limits
98-08-8	aaa-Trifluorotoluene	86%	63-120%

Method Blank Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GKM593-MB	KM14146.D	1	10/14/25	JN	n/a	n/a	GKM593

The QC reported here applies to the following samples: **Method:** SW846 8015D

JE20825-3

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.11	mg/l	

CAS No.	Surrogate Recoveries		Limits
98-08-8	aaa-Trifluorotoluene	87%	63-120%

Method Blank Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GKM598-MB	KM14255.D	1	10/21/25	JN	n/a	n/a	GKM598

The QC reported here applies to the following samples: **Method:** SW846 8015D

JE20825-1

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.11	mg/l	

CAS No.	Surrogate Recoveries		Limits
98-08-8	aaa-Trifluorotoluene	86%	63-120%

Method Blank Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GKM591-MB	KM14098.D	1	10/13/25	JN	n/a	n/a	GKM591

The QC reported here applies to the following samples: **Method:** SW846 8015D

GKM591-BSD, GKM591-BS, JE20921-1DUP, JE20921-2MS

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.11	mg/l	

CAS No.	Surrogate Recoveries		Limits
98-08-8	aaa-Trifluorotoluene	86%	63-120%

Method Blank Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GKM593-MB2	KM14156.D	1	10/14/25	JN	n/a	n/a	GKM593

The QC reported here applies to the following samples: **Method:** SW846 8015D

JE20971-2DUP

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.11	mg/l	

CAS No.	Surrogate Recoveries		Limits
98-08-8	aaa-Trifluorotoluene	86%	63-120%

Method Blank Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GAA3393-MB	AA118141.D	1	10/22/25	WC	n/a	n/a	GAA3393

The QC reported here applies to the following samples: **Method:** RSK-175

JE20825-1, JE20825-3, JE20825-5

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	ND	0.11	0.080	ug/l	

Blank Spike Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GKM593-BS	KM14147.D	1	10/14/25	JN	n/a	n/a	GKM593

The QC reported here applies to the following samples: **Method:** SW846 8015D

JE20825-3

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH-GRO (C6-C10)	8	8.84	111	56-129

CAS No.	Surrogate Recoveries	BSP	Limits
98-08-8	aaa-Trifluorotoluene	100%	63-120%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GKM598-BS	KM14256.D	1	10/21/25	JN	n/a	n/a	GKM598

The QC reported here applies to the following samples: **Method:** SW846 8015D

JE20825-1

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH-GRO (C6-C10)	8	8.45	106	56-129

CAS No.	Surrogate Recoveries	BSP	Limits
98-08-8	aaa-Trifluorotoluene	96%	63-120%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GKM591-BS	KM14099.D	1	10/13/25	JN	n/a	n/a	GKM591
GKM591-BSD	KM14100.D	1	10/13/25	JN	n/a	n/a	GKM591

The QC reported here applies to the following samples: **Method:** SW846 8015D

JE20825-5

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	BSD mg/l	BSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	8	8.29	104	8.42	105	2	56-129/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
98-08-8	aaa-Trifluorotoluene	97%	97%	63-120%

10.3.1
10

* = Outside of Control Limits.

Laboratory Control Sample Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GAA3393-LCS	AA118180.D	1	10/22/25	WC	n/a	n/a	GAA3393

The QC reported here applies to the following samples: **Method:** RSK-175

JE20825-1, JE20825-3, JE20825-5

CAS No.	Compound	Spike ug/l	LCS ug/l	LCS %	Limits
74-82-8	Methane	10.8	9.81	91	85-115

* = Outside of Control Limits.

Matrix Spike Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE20921-2MS	KM14106.D	1	10/13/25	JN	n/a	n/a	GKM591
JE20921-2	KM14103.D	1	10/13/25	JN	n/a	n/a	GKM591

The QC reported here applies to the following samples: **Method:** SW846 8015D

JE20825-5

CAS No.	Compound	JE20921-2 mg/l	Q	Spike mg/l	MS mg/l	MS %	Limits
	TPH-GRO (C6-C10)	ND		8	8.38	105	23-168

CAS No.	Surrogate Recoveries	MS	JE20921-2	Limits
98-08-8	aaa-Trifluorotoluene	100%	90%	63-120%

10.5.1
10

* = Outside of Control Limits.

Matrix Spike Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE20971-1MS	KM14154.D	1	10/14/25	JN	n/a	n/a	GKM593
JE20971-1	KM14148.D	1	10/14/25	JN	n/a	n/a	GKM593

The QC reported here applies to the following samples: **Method:** SW846 8015D

JE20825-3

CAS No.	Compound	JE20971-1 mg/l	Q	Spike mg/l	MS mg/l	MS %	Limits
	TPH-GRO (C6-C10)	0.608		8	9.90	116	23-168

CAS No.	Surrogate Recoveries	MS	JE20971-1	Limits
98-08-8	aaa-Trifluorotoluene	102%	87%	63-120%

10.5.2

10

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE20825-1MS	KM14262.D	1	10/21/25	JN	n/a	n/a	GKM598
JE20825-1MSD	KM14263.D	1	10/21/25	JN	n/a	n/a	GKM598
JE20825-1	KM14257.D	1	10/21/25	JN	n/a	n/a	GKM598

The QC reported here applies to the following samples: **Method:** SW846 8015D

JE20825-1

CAS No.	Compound	JE20825-1 mg/l	Q	Spike mg/l	MS mg/l	MS %	Spike mg/l	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	0.742		8	9.82	113	8	9.83	114	0	23-168/25

CAS No.	Surrogate Recoveries	MS	MSD	JE20825-1	Limits
98-08-8	aaa-Trifluorotoluene	102%	101%	90%	63-120%

* = Outside of Control Limits.

Duplicate Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE20921-1DUP	KM14102.D	1	10/13/25	JN	n/a	n/a	GKM591
JE20921-1	KM14101.D	1	10/13/25	JN	n/a	n/a	GKM591

The QC reported here applies to the following samples: **Method:** SW846 8015D

JE20825-5

CAS No.	Compound	JE20921-1 mg/l	Q	DUP mg/l	Q	RPD	Limits
	TPH-GRO (C6-C10)	0.132	J	0.118	J	11	56

CAS No.	Surrogate Recoveries	DUP	JE20921-1	Limits
98-08-8	aaa-Trifluorotoluene	88%	86%	63-120%

* = Outside of Control Limits.

Duplicate Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE20971-2DUP	KM14159.D	1	10/14/25	JN	n/a	n/a	GKM593
JE20971-2	KM14149.D	1	10/14/25	JN	n/a	n/a	GKM593

The QC reported here applies to the following samples: **Method:** SW846 8015D

JE20825-3

CAS No.	Compound	JE20971-2 mg/l	Q	DUP mg/l	Q	RPD	Limits
	TPH-GRO (C6-C10)	0.124	J	0.117	J	6	56

CAS No.	Surrogate Recoveries	DUP	JE20971-2	Limits
98-08-8	aaa-Trifluorotoluene	87%	90%	63-120%

* = Outside of Control Limits.

Duplicate Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE20825-1DUP	AA118151.D	1	10/22/25	WC	n/a	n/a	GAA3393
JE20825-1	AA118150.D	1	10/22/25	WC	n/a	n/a	GAA3393
JE20825-1	AA118152.D	100	10/22/25	WC	n/a	n/a	GAA3393

The QC reported here applies to the following samples: **Method:** RSK-175

JE20825-1, JE20825-3, JE20825-5

CAS No.	Compound	JE20825-1 ug/l	Q	DUP ug/l	Q	RPD	Limits
74-82-8	Methane	3150 [a]		3140	E	0	20

(a) Result is from Run #2.

10.7.3 10

* = Outside of Control Limits.

Surrogate Recovery Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Method: SW846 8015D **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]
JE20825-1	KM14257.D	90
JE20825-3	KM14153.D	89
JE20825-5	KM14114.D	88
GKM591-BS	KM14099.D	97
GKM591-BSD	KM14100.D	97
GKM591-MB2	KM14108.D	86
GKM593-BS	KM14147.D	100
GKM593-MB	KM14146.D	87
GKM598-BS	KM14256.D	96
GKM598-MB	KM14255.D	86
JE20825-1MS	KM14262.D	102
JE20825-1MSD	KM14263.D	101
JE20921-1DUP	KM14102.D	88
JE20921-2MS	KM14106.D	100
JE20971-1MS	KM14154.D	102
JE20971-2DUP	KM14159.D	87
GKM591-MB	KM14098.D	86
GKM593-MB2	KM14156.D	86

Surrogate Compounds	Recovery Limits
S1 = aaa-Trifluorotoluene	63-120%

(a) Recovery from GC signal #1

GC Surrogate Retention Time Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Check Std:	GKM591-CC588	**Injection Date:**	10/13/25
Lab File ID:	KM14097.D	**Injection Time:**	11:05
Instrument ID:	GCKM	**Method:**	SW846 8015D

	S1 [a] **RT**
Check Std	10.98

Lab Sample ID	**Lab File ID**	**Date Analyzed**	**Time Analyzed**	**S1** [a] **RT**
GKM591-MB	KM14098.D	10/13/25	11:41	10.98
GKM591-BS	KM14099.D	10/13/25	12:50	10.98
GKM591-BSD	KM14100.D	10/13/25	13:15	10.98
JE20921-1	KM14101.D	10/13/25	14:15	10.98
JE20921-1DUP	KM14102.D	10/13/25	14:39	10.98
JE20921-2	KM14103.D	10/13/25	15:04	10.98
ZZZZZZ	KM14104.D	10/13/25	15:28	10.98
ZZZZZZ	KM14105.D	10/13/25	15:52	10.98
JE20921-2MS	KM14106.D	10/13/25	16:16	10.98

Surrogate Compounds

S1 = aaa-Trifluorotoluene

(a) Retention time from GC signal #1

GC Surrogate Retention Time Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Check Std:	GKM591-CC588	**Injection Date:**	10/13/25
Lab File ID:	KM14107.D	**Injection Time:**	16:41
Instrument ID:	GCKM	**Method:**	SW846 8015D

	S1 [a] **RT**
Check Std	10.98

Lab Sample ID	**Lab File ID**	**Date Analyzed**	**Time Analyzed**	**S1** [a] **RT**
GKM591-MB2	KM14108.D	10/13/25	17:15	10.98
ZZZZZZ	KM14109.D	10/13/25	18:02	10.98
ZZZZZZ	KM14110.D	10/13/25	18:26	10.98
ZZZZZZ	KM14111.D	10/13/25	18:50	10.98
ZZZZZZ	KM14112.D	10/13/25	19:15	10.98
ZZZZZZ	KM14113.D	10/13/25	19:39	10.98
JE20825-5	KM14114.D	10/13/25	20:03	10.98
ZZZZZZ	KM14116.D	10/13/25	20:52	10.98

Surrogate Compounds

S1 = aaa-Trifluorotoluene

(a) Retention time from GC signal #1

GC Surrogate Retention Time Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Check Std:	GKM592-CC588	**Injection Date:**	10/14/25
Lab File ID:	KM14141.D	**Injection Time:**	06:59
Instrument ID:	GCKM	**Method:**	SW846 8015D

	S1 [a] **RT**
Check Std	10.98

Lab Sample ID	**Lab File ID**	**Date Analyzed**	**Time Analyzed**	**S1** [a] **RT**
GKM593-RT	KM14144.D	10/14/25	10:50	10.98

Surrogate Compounds

S1 = aaa-Trifluorotoluene

(a) Retention time from GC signal #1

10.9.3 10

GC Surrogate Retention Time Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Check Std:	GKM593-CC588	**Injection Date:**	10/14/25
Lab File ID:	KM14145.D	**Injection Time:**	11:14
Instrument ID:	GCKM	**Method:**	SW846 8015D

	S1 [a] **RT**
Check Std	10.98

Lab Sample ID	**Lab File ID**	**Date Analyzed**	**Time Analyzed**	**S1** [a] **RT**
GKM593-MB	KM14146.D	10/14/25	11:57	10.98
GKM593-BS	KM14147.D	10/14/25	12:36	10.98
JE20971-1	KM14148.D	10/14/25	13:42	10.98
JE20971-2	KM14149.D	10/14/25	14:06	10.98
ZZZZZZ	KM14150.D	10/14/25	14:31	10.98
ZZZZZZ	KM14152.D	10/14/25	15:20	10.98
JE20825-3	KM14153.D	10/14/25	15:44	10.98
JE20971-1MS	KM14154.D	10/14/25	16:54	10.98

Surrogate Compounds

S1 = aaa-Trifluorotoluene

(a) Retention time from GC signal #1

GC Surrogate Retention Time Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Check Std:	GKM593-CC588	**Injection Date:**	10/14/25
Lab File ID:	KM14155.D	**Injection Time:**	17:18
Instrument ID:	GCKM	**Method:**	SW846 8015D

	S1 [a] **RT**
Check Std	10.98

Lab Sample ID	**Lab File ID**	**Date Analyzed**	**Time Analyzed**	**S1** [a] **RT**
GKM593-MB2	KM14156.D	10/14/25	18:09	10.98
ZZZZZZ	KM14157.D	10/14/25	18:56	10.98
ZZZZZZ	KM14158.D	10/14/25	19:20	10.98
JE20971-2DUP	KM14159.D	10/14/25	19:45	10.98

Surrogate Compounds

S1 = aaa-Trifluorotoluene

(a) Retention time from GC signal #1

GC Surrogate Retention Time Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Check Std:	GKM597-CC588	**Injection Date:**	10/20/25
Lab File ID:	KM14250.D	**Injection Time:**	22:52
Instrument ID:	GCKM	**Method:**	SW846 8015D

	S1 [a] **RT**
Check Std	10.98

Lab Sample ID	**Lab File ID**	**Date Analyzed**	**Time Analyzed**	**S1** [a] **RT**
GKM598-RT	KM14253.D	10/21/25	10:15	10.98

Surrogate Compounds

S1 = aaa-Trifluorotoluene

(a) Retention time from GC signal #1

10.9.6
10

GC Surrogate Retention Time Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Check Std:	GKM598-CC588	**Injection Date:**	10/21/25
Lab File ID:	KM14254.D	**Injection Time:**	10:39
Instrument ID:	GCKM	**Method:**	SW846 8015D

	S1 [a] **RT**
Check Std	10.98

Lab Sample ID	**Lab File ID**	**Date Analyzed**	**Time Analyzed**	**S1** [a] **RT**
GKM598-MB	KM14255.D	10/21/25	11:30	10.98
GKM598-BS	KM14256.D	10/21/25	12:04	10.98
JE20825-1	KM14257.D	10/21/25	12:41	10.98
ZZZZZZ	KM14258.D	10/21/25	13:05	10.98
ZZZZZZ	KM14259.D	10/21/25	13:30	10.98
ZZZZZZ	KM14260.D	10/21/25	13:54	10.98
ZZZZZZ	KM14261.D	10/21/25	14:19	10.98
JE20825-1MS	KM14262.D	10/21/25	15:06	10.98
JE20825-1MSD	KM14263.D	10/21/25	15:30	10.98

Surrogate Compounds

S1 = aaa-Trifluorotoluene

(a) Retention time from GC signal #1

10.9.7
10

Initial Calibration Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: GAA3333-ICC3333
Lab FileID: AA116754.D

Response Factor Report GCAA

Method : C:\MSDCHEM\1\METHODS\MAA3333.M (ChemStation Integrator)
Title : METHOD V8015 DG by GC-FID
Last Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration

Calibration Files
1 =aa116759.d 2 =aa116760.d 10 =aa116752.d 20 =aa116753.d
100 =aa116754.d 200 =aa116755.d 500 =aa116756.d 1000=aa116757.d

Compound	1	2	10	20	100	200	500	1000	Avg	%RSD
1) Methane	1.793	1.573	1.651	1.629	1.711	1.650	1.541	1.566	1.639 E4	5.08
2) Ethane	3.351	2.829	3.126	3.066	3.300	3.189	2.969	3.004	3.104 E4	5.61
3) Ethene	3.472	2.791	3.144	3.078	3.310	3.199	2.983	3.015	3.124 E4	6.70
4) Propane	4.958	4.366	4.784	4.701	5.075	4.938	4.568	4.612	4.750 E4	4.95

(#) = Out of Range ### Number of calibration levels exceeded format ###

MAA3333.M Fri Jul 25 16:27:47 2025 AA

Initial Calibration Verification

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: GAA3333-ICV3333
Lab FileID: AA116761.D

Evaluate Continuing Calibration Report

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa116761.d
Signal(s) : FID1A.ch
Acq On : 25 Jul 2025 4:13 pm
Operator : williamc
Sample : icv3333-100
Misc : GC65024,GAA3333,,,,,1
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jul 25 16:23:52 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	Methane	16.391	15.585 E3	4.9	91	0.00
2	Ethane	31.042	29.913 E3	3.6	91	0.00
3	Ethene	31.239	29.965 E3	4.1	91	0.00
4	Propane	47.504	42.478 E3	10.6	84	0.00

Evaluate Continuing Calibration Report - Not Founds

(#) = Out of Range SPCC's out = 0 CCC's out = 0

MAA3333.M Fri Jul 25 16:27:34 2025 AA

Continuing Calibration Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: GAA3393-CC3333
Lab FileID: AA118139.D

Evaluate Continuing Calibration Report

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118139.d
Signal(s) : FID1A.ch
Acq On : 22 Oct 2025 6:05 am
Operator : williamc
Sample : cc3333-100
Misc : GC65408,GAA3393,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 22 06:15:50 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	Methane	16.391	16.563 E3	-1.0	97	0.00
2	Ethane	31.042	31.724 E3	-2.2	96	0.00
3	Ethene	31.239	31.822 E3	-1.9	96	0.00
4	Propane	47.504	48.555 E3	-2.2	96	0.00

Evaluate Continuing Calibration Report - Not Founds

(#) = Out of Range SPCC's out = 0 CCC's out = 0

MAA3333.M Wed Oct 22 17:03:53 2025 AA

Continuing Calibration Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: GAA3393-CC3333
Lab FileID: AA118158.D

Evaluate Continuing Calibration Report

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118158.d
Signal(s) : FID1A.ch
Acq On : 22 Oct 2025 10:39 am
Operator : williamc
Sample : cc3333-100
Misc : GC65402,GAA3393,,,,,1
ALS Vial : 20 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 22 10:50:01 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	Methane	16.391	16.218 E3	1.1	95	0.00
2	Ethane	31.042	31.132 E3	-0.3	94	0.00
3	Ethene	31.239	31.276 E3	-0.1	94	0.00
4	Propane	47.504	47.791 E3	-0.6	94	0.00

Evaluate Continuing Calibration Report - Not Founds

(#) = Out of Range SPCC's out = 0 CCC's out = 0

MAA3333.M Wed Oct 22 17:03:55 2025 AA

Continuing Calibration Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: GAA3393-CC3333
Lab FileID: AA118173.D

Evaluate Continuing Calibration Report

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118173.d
Signal(s) : FID1A.ch
Acq On : 22 Oct 2025 2:55 pm
Operator : williamc
Sample : cc3333-100
Misc : GC65392,GAA3393,,,,,1
ALS Vial : 35 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 22 15:05:49 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	Methane	16.391	14.351 E3	12.4	84	0.00
2	Ethane	31.042	27.487 E3	11.5	83	0.00
3	Ethene	31.239	27.615 E3	11.6	83	0.00
4	Propane	47.504	42.180 E3	11.2	83	0.00

Evaluate Continuing Calibration Report - Not Founds

(#) = Out of Range SPCC's out = 0 CCC's out = 0

MAA3333.M Wed Oct 22 17:03:57 2025 AA

Continuing Calibration Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: GAA3393-CC3333
Lab FileID: AA118181.D

Evaluate Continuing Calibration Report

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118181.d
Signal(s) : FID1A.ch
Acq On : 22 Oct 2025 4:52 pm
Operator : williamc
Sample : cc3333-100
Misc : GC65392,GAA3393,,,,,1
ALS Vial : 43 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 22 17:02:14 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	Methane	16.391	16.558 E3	-1.0	97	0.00
2	Ethane	31.042	31.829 E3	-2.5	96	0.00
3	Ethene	31.239	31.964 E3	-2.3	97	0.00
4	Propane	47.504	48.832 E3	-2.8	96	0.00

Evaluate Continuing Calibration Report - Not Founds

(#) = Out of Range SPCC's out = 0 CCC's out = 0

MAA3333.M Wed Oct 22 17:03:59 2025 AA

Initial Calibration Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: GKM588-ICC588
Lab FileID: KM14017.D

Response Factor Report HP G1530A

Method Path : C:\MSDCHEM\1\METHODS\
Method File : MKM588.M
Title : Method SW846 8015C (GRO) .
Last Update : Fri Oct 10 09:53:32 2025
Response Via : Initial Calibration

Calibration Files
0.2 =KM14014.D 0.8 =KM14015.D 4 =KM14016.D
8 =KM14017.D 20 =KM14018.D 30 =KM14019.D

	Compound	0.2	0.8	4	8	20	30	Avg		%RSD
1) H	TPH-GRO (C6-C10)	4.492	3.561	3.693	3.498	3.944	3.876	3.844	E5	9.41
2) H	TPH-GRO (C6-C12)	4.266	3.033	3.052	2.917	3.326	3.230	3.304	E5	14.94
3) S	a,a,a-Trifluo...	6.977	7.010	7.321	7.535	8.868	9.943	7.942	E5	15.12

(#) = Out of Range ### Number of calibration levels exceeded format ###

MKM588.M Fri Oct 10 09:54:19 2025 RPT1

10.10.7 10

Initial Calibration Verification

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: GKM588-ICV588
Lab FileID: KM14025.D

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\DATA\GKM588\
Data File : KM14025.D
Signal(s) : FID1A.CH
Acq On : 09 Oct 2025 8:38 pm
Operator : johnn
Sample : ICV588-8000
Misc : GC65359,GKM588,5.0,,,,1
ALS Vial : 19 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 10 09:53:40 2025
Quant Method : C:\MSDCHEM\1\METHODS\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1 H	TPH-GRO (C6-C10)	384.394	383.139 E3	0.3	110	0.00
2 H	TPH-GRO (C6-C12)	330.393	366.797 E3	-11.0	126	0.00
3 S	a,a,a-Trifluorotoluene	794.230	755.724 E3	4.8	100	0.00

Evaluate Continuing Calibration Report - Not Founds

(#) = Out of Range SPCC's out = 0 CCC's out = 0

MKM588.M Fri Oct 10 09:55:36 2025 RPT1

10.10.8 10

Continuing Calibration Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: GKM591-CC588
Lab FileID: KM14097.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\b...2025\GKM591\KM14097.D Vial: 4
Acq On : 13 Oct 2025 11:05 am Operator: johnn
Sample : CC588-8000 Inst : HP G1530A
Misc : GC65358,GKM591,5.0,,100,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E

Method : C:\msdchem\1\methods\MKM588.M (ChemStation Integrator)
Title : Method SW846 8015C (GRO) .
Last Update : Fri Oct 10 09:53:32 2025
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 H	TPH-GRO (C6-C10)	384.394	393.028 E3	-2.2	112	0.00	8.18-14.72
2 H	TPH-GRO (C6-C12)	330.393	342.677 E3	-3.7	117	0.00	8.70-15.84
3 S	a,a,a-Trifluorotoluene	794.230	793.588 E3	0.1	105	0.00	10.92-11.02

(#) = Out of Range SPCC's out = 0 CCC's out = 0
KM14017.D MKM588.M Tue Oct 14 19:19:12 2025

10.10.9 10

Continuing Calibration Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: GKM591-CC588
Lab FileID: KM14107.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\b...2025\GKM591\KM14107.D Vial: 14
Acq On : 13 Oct 2025 4:41 pm Operator: johnn
Sample : cc588-4000 Inst : HP G1530A
Misc : GC65370,GKM591,5.0,,,,1 Multiplr: 1.00
IntFile : AUTOINT1.E

Method : C:\msdchem\1\methods\MKM588.M (ChemStation Integrator)
Title : Method SW846 8015C (GRO) .
Last Update : Fri Oct 10 09:53:32 2025
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 H	TPH-GRO (C6-C10)	384.394	388.709 E3	-1.1	105	0.00	8.18-14.72
2 H	TPH-GRO (C6-C12)	330.393	348.499 E3	-5.5	114	0.00	8.70-15.84
3 S	a,a,a-Trifluorotoluene	794.230	743.194 E3	6.4	102	0.00	10.92-11.02

(#) = Out of Range SPCC's out = 0 CCC's out = 0
KM14016.D MKM588.M Tue Oct 14 19:19:40 2025

10.10.10

Continuing Calibration Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: GKM591-CC588
Lab FileID: KM14117.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\b...2025\GKM591\KM14117.D Vial: 24
Acq On : 13 Oct 2025 9:16 pm Operator: johnn
Sample : cc588-8000 Inst : HP G1530A
Misc : GC65370,GKM591,5.0,,,,1 Multiplr: 1.00
IntFile : AUTOINT1.E

Method : C:\msdchem\1\methods\MKM588.M (ChemStation Integrator)
Title : Method SW846 8015C (GRO) .
Last Update : Fri Oct 10 09:53:32 2025
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 H	TPH-GRO (C6-C10)	384.394	463.623 E3	-20.6#	133	0.00	8.18-14.72
2 H	TPH-GRO (C6-C12)	330.393	429.301 E3	-29.9#	147	0.00	8.70-15.84
3 S	a,a,a-Trifluorotoluene	794.230	795.837 E3	-0.2	106	0.00	10.92-11.02

(#) = Out of Range SPCC's out = 0 CCC's out = 0
KM14017.D MKM588.M Tue Oct 14 19:19:15 2025

10.10.11 10

Continuing Calibration Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: GKM592-CC588
Lab FileID: KM14141.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\k...1425\gkm592\KM14141.D Vial: 48
Acq On : 14 Oct 2025 6:59 am Operator: johnn
Sample : cc588-4000 Inst : HP G1530A
Misc : GC65371,GKM592,5.0,,100,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E

Method : C:\msdchem\1\methods\MKM588.M (ChemStation Integrator)
Title : Method SW846 8015C (GRO) .
Last Update : Fri Oct 10 09:53:32 2025
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 H	TPH-GRO (C6-C10)	384.394	390.090 E3	-1.5	106	0.00	8.18-14.72
2 H	TPH-GRO (C6-C12)	330.393	349.183 E3	-5.7	114	0.00	8.70-15.84
3 S	a,a,a-Trifluorotoluene	794.230	768.116 E3	3.3	105	0.00	10.92-11.02

(#) = Out of Range SPCC's out = 0 CCC's out = 0
KM14016.D MKM588.M Tue Oct 14 15:11:46 2025

10.10.12 10

Continuing Calibration Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: GKM593-CC588
Lab FileID: KM14145.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\l...0-15\GKM593\KM14145.D Vial: 4
Acq On : 14 Oct 2025 11:14 am Operator: johnn
Sample : cc588-8000 Inst : HP G1530A
Misc : GC65359,GKM593,5.0,,,,1 Multiplr: 1.00
IntFile : AUTOINT1.E

Method : C:\msdchem\1\methods\MKM588.M (ChemStation Integrator)
Title : Method SW846 8015C (GRO) .
Last Update : Fri Oct 10 09:53:32 2025
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 H	TPH-GRO (C6-C10)	384.394	444.027 E3	-15.5	127	0.00	7.70-14.24
2 H	TPH-GRO (C6-C12)	330.393	396.458 E3	-20.0	136	0.00	7.40-14.54
3 S	a,a,a-Trifluorotoluene	794.230	811.326 E3	-2.2	108	0.00	10.93-11.03

(#) = Out of Range SPCC's out = 0 CCC's out = 0
KM14017.D MKM588.M Wed Oct 15 14:58:45 2025

10.10.13 10

Continuing Calibration Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: GKM593-CC588
Lab FileID: KM14155.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\l...0-15\GKM593\KM14155.D Vial: 14
Acq On : 14 Oct 2025 5:18 pm Operator: johnn
Sample : cc588-4000 Inst : HP G1530A
Misc : GC65378,GKM593,5.0,,,,1 Multiplr: 1.00
IntFile : AUTOINT1.E

Method : C:\msdchem\1\methods\MKM588.M (ChemStation Integrator)
Title : Method SW846 8015C (GRO) .
Last Update : Fri Oct 10 09:53:32 2025
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 H	TPH-GRO (C6-C10)	384.394	434.502 E3	-13.0	118	0.00	7.70-14.24
2 H	TPH-GRO (C6-C12)	330.393	395.335 E3	-19.7	130	0.00	7.40-14.54
3 S	a,a,a-Trifluorotoluene	794.230	767.350 E3	3.4	105	0.00	10.93-11.03

(#) = Out of Range SPCC's out = 0 CCC's out = 0
KM14016.D MKM588.M Wed Oct 15 15:07:03 2025

10.10.14 10

Continuing Calibration Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: GKM593-CC588
Lab FileID: KM14160.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\l...0-15\GKM593\KM14160.D Vial: 19
Acq On : 14 Oct 2025 8:09 pm Operator: johnn
Sample : cc588-8000 Inst : HP G1530A
Misc : GC65378,GKM593,5.0,,,,1 Multiplr: 1.00
IntFile : AUTOINT1.E

Method : C:\msdchem\1\methods\MKM588.M (ChemStation Integrator)
Title : Method SW846 8015C (GRO) .
Last Update : Fri Oct 10 09:53:32 2025
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 H	TPH-GRO (C6-C10)	384.394	433.671 E3	-12.8	124	0.00	7.70-14.24
2 H	TPH-GRO (C6-C12)	330.393	386.075 E3	-16.9	132	0.00	7.40-14.54
3 S	a,a,a-Trifluorotoluene	794.230	806.271 E3	-1.5	107	0.00	10.93-11.03

(#) = Out of Range SPCC's out = 0 CCC's out = 0
KM14017.D MKM588.M Wed Oct 15 15:18:41 2025

10.10.15 10

Continuing Calibration Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: GKM597-CC588
Lab FileID: KM14250.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\C...2025\GKM597\KM14250.D Vial: 29
Acq On : 20 Oct 2025 10:52 pm Operator: johnn
Sample : cc588-4000 Inst : HP G1530A
Misc : GC65322,GKM597,5.0,,100,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E

Method : C:\msdchem\1\methods\MKM588.M (ChemStation Integrator)
Title : Method SW846 8015C (GRO) .
Last Update : Fri Oct 10 09:53:32 2025
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 H	TPH-GRO (C6-C10)	384.394	383.758 E3	0.2	104	0.00	8.18-14.72
2 H	TPH-GRO (C6-C12)	330.393	329.690 E3	0.2	108	0.00	8.70-15.84
3 S	a,a,a-Trifluorotoluene	794.230	749.155 E3	5.7	102	0.00	10.92-11.02

(#) = Out of Range SPCC's out = 0 CCC's out = 0
KM14016.D MKM588.M Wed Oct 22 00:30:26 2025

10.10.16
10

Continuing Calibration Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: GKM598-CC588
Lab FileID: KM14254.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\r...2-25\GKM598\KM14254.D Vial: 4
Acq On : 21 Oct 2025 10:39 am Operator: johnn
Sample : cc588-8000 Inst : HP G1530A
Misc : GC65322,GKM598,5.0,,100,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E

Method : C:\msdchem\1\methods\MKM588.M (ChemStation Integrator)
Title : Method SW846 8015C (GRO) .
Last Update : Fri Oct 10 09:53:32 2025
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 H	TPH-GRO (C6-C10)	384.394	398.675 E3	-3.7	114	0.00	7.70-14.24
2 H	TPH-GRO (C6-C12)	330.393	346.993 E3	-5.0	119	0.00	7.40-14.54
3 S	a,a,a-Trifluorotoluene	794.230	785.032 E3	1.2	104	0.00	10.93-11.03

(#) = Out of Range SPCC's out = 0 CCC's out = 0
KM14017.D MKM588.M Wed Oct 22 06:53:32 2025

10.10.17

Continuing Calibration Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: GKM598-CC588
Lab FileID: KM14264.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\r...2-25\GKM598\KM14264.D Vial: 14
Acq On : 21 Oct 2025 3:55 pm Operator: johnn
Sample : cc588-4000 Inst : HP G1530A
Misc : GC65370,GKM598,5.0,,,,1 Multiplr: 1.00
IntFile : AUTOINT1.E

Method : C:\msdchem\1\methods\MKM588.M (ChemStation Integrator)
Title : Method SW846 8015C (GRO) .
Last Update : Fri Oct 10 09:53:32 2025
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 H	TPH-GRO (C6-C10)	384.394	408.269 E3	-6.2	111	0.00	7.70-14.24
2 H	TPH-GRO (C6-C12)	330.393	364.590 E3	-10.4	119	0.00	7.40-14.54
3 S	a,a,a-Trifluorotoluene	794.230	753.525 E3	5.1	103	0.00	10.93-11.03

(#) = Out of Range SPCC's out = 0 CCC's out = 0
KM14016.D MKM588.M Wed Oct 22 06:54:15 2025

10.10.18
10

Run Sequence Report

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Run ID: GAA3333	**Method:** RSK-175	**Instrument ID:** GCAA

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
GAA3333-IC3333	AA116752.D	07/25/25 13:55	n/a	Initial cal 10
GAA3333-IC3333	AA116753.D	07/25/25 14:13	n/a	Initial cal 20
GAA3333-ICC3333	AA116754.D	07/25/25 14:27	n/a	Initial cal 100
GAA3333-IC3333	AA116755.D	07/25/25 14:40	n/a	Initial cal 200
GAA3333-IC3333	AA116756.D	07/25/25 14:53	n/a	Initial cal 500
GAA3333-IC3333	AA116757.D	07/25/25 15:06	n/a	Initial cal 1000
GAA3333-IC3333	AA116759.D	07/25/25 15:46	n/a	Initial cal 1
GAA3333-IC3333	AA116760.D	07/25/25 15:59	n/a	Initial cal 2
GAA3333-ICV3333	AA116761.D	07/25/25 16:13	n/a	Initial cal verification 100

Run Sequence Report

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Run ID: GAA3393 **Method:** RSK-175 **Instrument ID:** GCAA

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
GAA3393-CC3333	AA118139.D	10/22/25 06:05	n/a	Continuing cal 100
GAA3393-MB	AA118141.D	10/22/25 06:36	n/a	Method Blank
ZZZZZZ	AA118142.D	10/22/25 06:55	n/a	(unrelated sample)
ZZZZZZ	AA118143.D	10/22/25 07:11	n/a	(unrelated sample)
JE20901-3	AA118144.D	10/22/25 07:24	n/a	(used for QC only; not part of job JE20825)
JE20901-3DUP	AA118145.D	10/22/25 07:37	n/a	Duplicate
JE20901-3	AA118146.D	10/22/25 07:50	n/a	(used for QC only; not part of job JE20825)
ZZZZZZ	AA118147.D	10/22/25 08:13	n/a	(unrelated sample)
ZZZZZZ	AA118148.D	10/22/25 08:26	n/a	(unrelated sample)
ZZZZZZ	AA118149.D	10/22/25 08:39	n/a	(unrelated sample)
JE20825-1	AA118150.D	10/22/25 08:52	n/a	MW-EPA-07-10092025
JE20825-1DUP	AA118151.D	10/22/25 09:05	n/a	Duplicate
JE20825-1	AA118152.D	10/22/25 09:18	n/a	MW-EPA-07-10092025
JE20825-3	AA118153.D	10/22/25 09:31	n/a	DUP-10092025
JE20825-3	AA118154.D	10/22/25 09:44	n/a	DUP-10092025
JE20825-5	AA118155.D	10/22/25 10:00	n/a	MW-SS-08-08-10092025
JE20825-5	AA118156.D	10/22/25 10:14	n/a	MW-SS-08-08-10092025
ZZZZZZ	AA118157.D	10/22/25 10:27	n/a	(unrelated sample)
GAA3393-CC3333	AA118158.D	10/22/25 10:39	n/a	Continuing cal 100
ZZZZZZ	AA118159.D	10/22/25 10:53	n/a	(unrelated sample)
ZZZZZZ	AA118160.D	10/22/25 11:56	n/a	(unrelated sample)
ZZZZZZ	AA118161.D	10/22/25 12:09	n/a	(unrelated sample)
ZZZZZZ	AA118162.D	10/22/25 12:22	n/a	(unrelated sample)
ZZZZZZ	AA118163.D	10/22/25 12:39	n/a	(unrelated sample)
ZZZZZZ	AA118164.D	10/22/25 12:54	n/a	(unrelated sample)
ZZZZZZ	AA118165.D	10/22/25 13:07	n/a	(unrelated sample)
ZZZZZZ	AA118166.D	10/22/25 13:20	n/a	(unrelated sample)
ZZZZZZ	AA118167.D	10/22/25 13:34	n/a	(unrelated sample)
ZZZZZZ	AA118168.D	10/22/25 13:47	n/a	(unrelated sample)
ZZZZZZ	AA118169.D	10/22/25 14:01	n/a	(unrelated sample)
ZZZZZZ	AA118170.D	10/22/25 14:15	n/a	(unrelated sample)
ZZZZZZ	AA118171.D	10/22/25 14:28	n/a	(unrelated sample)
ZZZZZZ	AA118172.D	10/22/25 14:41	n/a	(unrelated sample)
GAA3393-CC3333	AA118173.D	10/22/25 14:55	n/a	Continuing cal 100
ZZZZZZ	AA118174.D	10/22/25 15:08	n/a	(unrelated sample)
ZZZZZZ	AA118175.D	10/22/25 15:32	n/a	(unrelated sample)
ZZZZZZ	AA118176.D	10/22/25 15:45	n/a	(unrelated sample)
ZZZZZZ	AA118177.D	10/22/25 15:59	n/a	(unrelated sample)
ZZZZZZ	AA118178.D	10/22/25 16:12	n/a	(unrelated sample)
ZZZZZZ	AA118179.D	10/22/25 16:25	n/a	(unrelated sample)
GAA3393-LCS	AA118180.D	10/22/25 16:38	n/a	Laboratory Control Sample
GAA3393-CC3333	AA118181.D	10/22/25 16:52	n/a	Continuing cal 100

Run Sequence Report

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Run ID: GKM588	**Method:** SW846 8015D	**Instrument ID:** GCKM

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
GKM588-RT	KM14012.D	10/09/25 14:42	n/a	Retention Time Marker
GKM588-IC588	KM14014.D	10/09/25 15:58	n/a	Initial cal 200
GKM588-IC588	KM14015.D	10/09/25 16:23	n/a	Initial cal 800
GKM588-IC588	KM14016.D	10/09/25 16:49	n/a	Initial cal 4000
GKM588-ICC588	KM14017.D	10/09/25 17:15	n/a	Initial cal 8000
GKM588-IC588	KM14018.D	10/09/25 17:41	n/a	Initial cal 20000
GKM588-IC588	KM14019.D	10/09/25 18:06	n/a	Initial cal 30000
GKM588-ICV588	KM14025.D	10/09/25 20:38	n/a	Initial cal verification 8000

Run Sequence Report

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Run ID: GKM591 **Method:** SW846 8015D **Instrument ID:** GCKM

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
GKM591-RT	KM14096.D	10/13/25 10:41	n/a	Retention Time Marker
GKM591-CC588	KM14097.D	10/13/25 11:05	n/a	Continuing cal 8000
GKM591-MB	KM14098.D	10/13/25 11:41	n/a	Method Blank
GKM591-BS	KM14099.D	10/13/25 12:50	n/a	Blank Spike
GKM591-BSD	KM14100.D	10/13/25 13:15	n/a	Blank Spike Duplicate
JE20921-1	KM14101.D	10/13/25 14:15	n/a	(used for QC only; not part of job JE20825)
JE20921-1DUP	KM14102.D	10/13/25 14:39	n/a	Duplicate
JE20921-2	KM14103.D	10/13/25 15:04	n/a	(used for QC only; not part of job JE20825)
ZZZZZZ	KM14104.D	10/13/25 15:28	n/a	(unrelated sample)
ZZZZZZ	KM14105.D	10/13/25 15:52	n/a	(unrelated sample)
JE20921-2MS	KM14106.D	10/13/25 16:16	n/a	Matrix Spike
GKM591-CC588	KM14107.D	10/13/25 16:41	n/a	Continuing cal 4000
GKM591-MB2	KM14108.D	10/13/25 17:15	n/a	Method Blank
ZZZZZZ	KM14109.D	10/13/25 18:02	n/a	(unrelated sample)
ZZZZZZ	KM14110.D	10/13/25 18:26	n/a	(unrelated sample)
ZZZZZZ	KM14111.D	10/13/25 18:50	n/a	(unrelated sample)
ZZZZZZ	KM14112.D	10/13/25 19:15	n/a	(unrelated sample)
ZZZZZZ	KM14113.D	10/13/25 19:39	n/a	(unrelated sample)
JE20825-5	KM14114.D	10/13/25 20:03	n/a	MW-SS-08-08-10092025
ZZZZZZ	KM14116.D	10/13/25 20:52	n/a	(unrelated sample)
GKM591-CC588	KM14117.D	10/13/25 21:16	n/a	Continuing cal 8000
GKM591-MB3	KM14119.D	10/13/25 22:05	n/a	Method Blank
ZZZZZZ	KM14120.D	10/13/25 22:29	n/a	(unrelated sample)
ZZZZZZ	KM14121.D	10/13/25 22:53	n/a	(unrelated sample)
GKM591-CC588	KM14125.D	10/14/25 00:30	n/a	Continuing cal 4000

Run Sequence Report

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Run ID: GKM592	**Method:** SW846 8015D	**Instrument ID:** GCKM

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
GKM592-MB	KM14126.D	10/14/25 00:55	n/a	Method Blank
GKM592-BS	KM14127.D	10/14/25 01:19	n/a	Blank Spike
GKM592-BSD	KM14128.D	10/14/25 01:43	n/a	Blank Spike Duplicate
JE20904-2	KM14129.D	10/14/25 02:07	n/a	(used for QC only; not part of job JE20825)
ZZZZZZ	KM14130.D	10/14/25 02:32	n/a	(unrelated sample)
ZZZZZZ	KM14131.D	10/14/25 02:56	n/a	(unrelated sample)
ZZZZZZ	KM14132.D	10/14/25 03:21	n/a	(unrelated sample)
JE20904-2MS	KM14133.D	10/14/25 03:45	n/a	Matrix Spike
JE20904-2MSD	KM14134.D	10/14/25 04:09	n/a	Matrix Spike Duplicate
GKM592-CC588	KM14135.D	10/14/25 04:33	n/a	Continuing cal 8000
GKM592-MB2	KM14137.D	10/14/25 05:22	n/a	Method Blank
ZZZZZZ	KM14138.D	10/14/25 05:46	n/a	(unrelated sample)
ZZZZZZ	KM14139.D	10/14/25 06:10	n/a	(unrelated sample)
ZZZZZZ	KM14140.D	10/14/25 06:35	n/a	(unrelated sample)
GKM592-CC588	KM14141.D	10/14/25 06:59	n/a	Continuing cal 4000

Run Sequence Report

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Run ID: GKM593	**Method:** SW846 8015D	**Instrument ID:** GCKM

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
GKM593-RT	KM14144.D	10/14/25 10:50	n/a	Retention Time Marker
GKM593-CC588	KM14145.D	10/14/25 11:14	n/a	Continuing cal 8000
GKM593-MB	KM14146.D	10/14/25 11:57	n/a	Method Blank
GKM593-BS	KM14147.D	10/14/25 12:36	n/a	Blank Spike
JE20971-1	KM14148.D	10/14/25 13:42	n/a	(used for QC only; not part of job JE20825)
JE20971-2	KM14149.D	10/14/25 14:06	n/a	(used for QC only; not part of job JE20825)
ZZZZZZ	KM14150.D	10/14/25 14:31	n/a	(unrelated sample)
ZZZZZZ	KM14152.D	10/14/25 15:20	n/a	(unrelated sample)
JE20825-3	KM14153.D	10/14/25 15:44	n/a	DUP-10092025
JE20971-1MS	KM14154.D	10/14/25 16:54	n/a	Matrix Spike
GKM593-CC588	KM14155.D	10/14/25 17:18	n/a	Continuing cal 4000
GKM593-MB2	KM14156.D	10/14/25 18:09	n/a	Method Blank
ZZZZZZ	KM14157.D	10/14/25 18:56	n/a	(unrelated sample)
ZZZZZZ	KM14158.D	10/14/25 19:20	n/a	(unrelated sample)
JE20971-2DUP	KM14159.D	10/14/25 19:45	n/a	Duplicate
GKM593-CC588	KM14160.D	10/14/25 20:09	n/a	Continuing cal 8000

Run Sequence Report

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Run ID: GKM597 **Method:** SW846 8015D **Instrument ID:** GCKM

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
GKM597-RT	KM14224.D	10/20/25 10:26	n/a	Retention Time Marker
GKM597-CC588	KM14225.D	10/20/25 10:51	n/a	Continuing cal 8000
GKM597-MB	KM14226.D	10/20/25 11:41	n/a	Method Blank
GKM597-BS	KM14227.D	10/20/25 12:20	n/a	Blank Spike
JE21445-1	KM14228.D	10/20/25 13:06	n/a	(used for QC only; not part of job JE20825)
ZZZZZZ	KM14229.D	10/20/25 13:30	n/a	(unrelated sample)
ZZZZZZ	KM14230.D	10/20/25 13:55	n/a	(unrelated sample)
ZZZZZZ	KM14231.D	10/20/25 14:19	n/a	(unrelated sample)
ZZZZZZ	KM14232.D	10/20/25 14:44	n/a	(unrelated sample)
JE21445-1MS	KM14233.D	10/20/25 15:37	n/a	Matrix Spike
JE21445-1MSD	KM14234.D	10/20/25 16:01	n/a	Matrix Spike Duplicate
GKM597-CC588	KM14235.D	10/20/25 16:26	n/a	Continuing cal 4000
GKM597-MB2	KM14236.D	10/20/25 17:08	n/a	Method Blank
ZZZZZZ	KM14237.D	10/20/25 17:36	n/a	(unrelated sample)
ZZZZZZ	KM14238.D	10/20/25 18:00	n/a	(unrelated sample)
ZZZZZZ	KM14239.D	10/20/25 18:24	n/a	(unrelated sample)
ZZZZZZ	KM14240.D	10/20/25 18:49	n/a	(unrelated sample)
ZZZZZZ	KM14241.D	10/20/25 19:13	n/a	(unrelated sample)
ZZZZZZ	KM14242.D	10/20/25 19:37	n/a	(unrelated sample)
ZZZZZZ	KM14243.D	10/20/25 20:02	n/a	(unrelated sample)
ZZZZZZ	KM14244.D	10/20/25 20:26	n/a	(unrelated sample)
GKM597-CC588	KM14245.D	10/20/25 20:50	n/a	Continuing cal 8000
GKM597-MB3	KM14246.D	10/20/25 21:15	n/a	Method Blank
ZZZZZZ	KM14247.D	10/20/25 21:39	n/a	(unrelated sample)
ZZZZZZ	KM14248.D	10/20/25 22:04	n/a	(unrelated sample)
ZZZZZZ	KM14249.D	10/20/25 22:28	n/a	(unrelated sample)
GKM597-CC588	KM14250.D	10/20/25 22:52	n/a	Continuing cal 4000

Run Sequence Report

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Run ID: GKM598 **Method:** SW846 8015D **Instrument ID:** GCKM

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
GKM598-RT	KM14253.D	10/21/25 10:15	n/a	Retention Time Marker
GKM598-CC588	KM14254.D	10/21/25 10:39	n/a	Continuing cal 8000
GKM598-MB	KM14255.D	10/21/25 11:30	n/a	Method Blank
GKM598-BS	KM14256.D	10/21/25 12:04	n/a	Blank Spike
JE20825-1	KM14257.D	10/21/25 12:41	n/a	MW-EPA-07-10092025
ZZZZZZ	KM14258.D	10/21/25 13:05	n/a	(unrelated sample)
ZZZZZZ	KM14259.D	10/21/25 13:30	n/a	(unrelated sample)
ZZZZZZ	KM14260.D	10/21/25 13:54	n/a	(unrelated sample)
ZZZZZZ	KM14261.D	10/21/25 14:19	n/a	(unrelated sample)
JE20825-1MS	KM14262.D	10/21/25 15:06	n/a	Matrix Spike
JE20825-1MSD	KM14263.D	10/21/25 15:30	n/a	Matrix Spike Duplicate
GKM598-CC588	KM14264.D	10/21/25 15:55	n/a	Continuing cal 4000
GKM598-MB2	KM14265.D	10/21/25 16:29	n/a	Method Blank
ZZZZZZ	KM14266.D	10/21/25 17:11	n/a	(unrelated sample)
ZZZZZZ	KM14267.D	10/21/25 17:36	n/a	(unrelated sample)
GKM598-CC588	KM14268.D	10/21/25 18:01	n/a	Continuing cal 8000

GC Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Oct 2025\10-22-25\GKM598\
Data File : KM14257.D
Signal(s) : FID1A.CH
Acq On : 21 Oct 2025 12:41 pm
Operator : johnn
Sample : je20825-1
Misc : GC65370,GKM598,5.0,,,,1
ALS Vial : 7 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 22 06:49:16 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) S a,a,a-Trifluorotoluene	10.981	213770305	269.154 ug/l
Spiked Amount 300.000	Range 70 - 116	Recovery = 89.72%	
Target Compounds			
1) H TPH-GRO (C6-C10)	10.970	285214471	741.985 ug/l
2) H TPH-GRO (C6-C12)	10.970	533545542	1614.883 ug/l

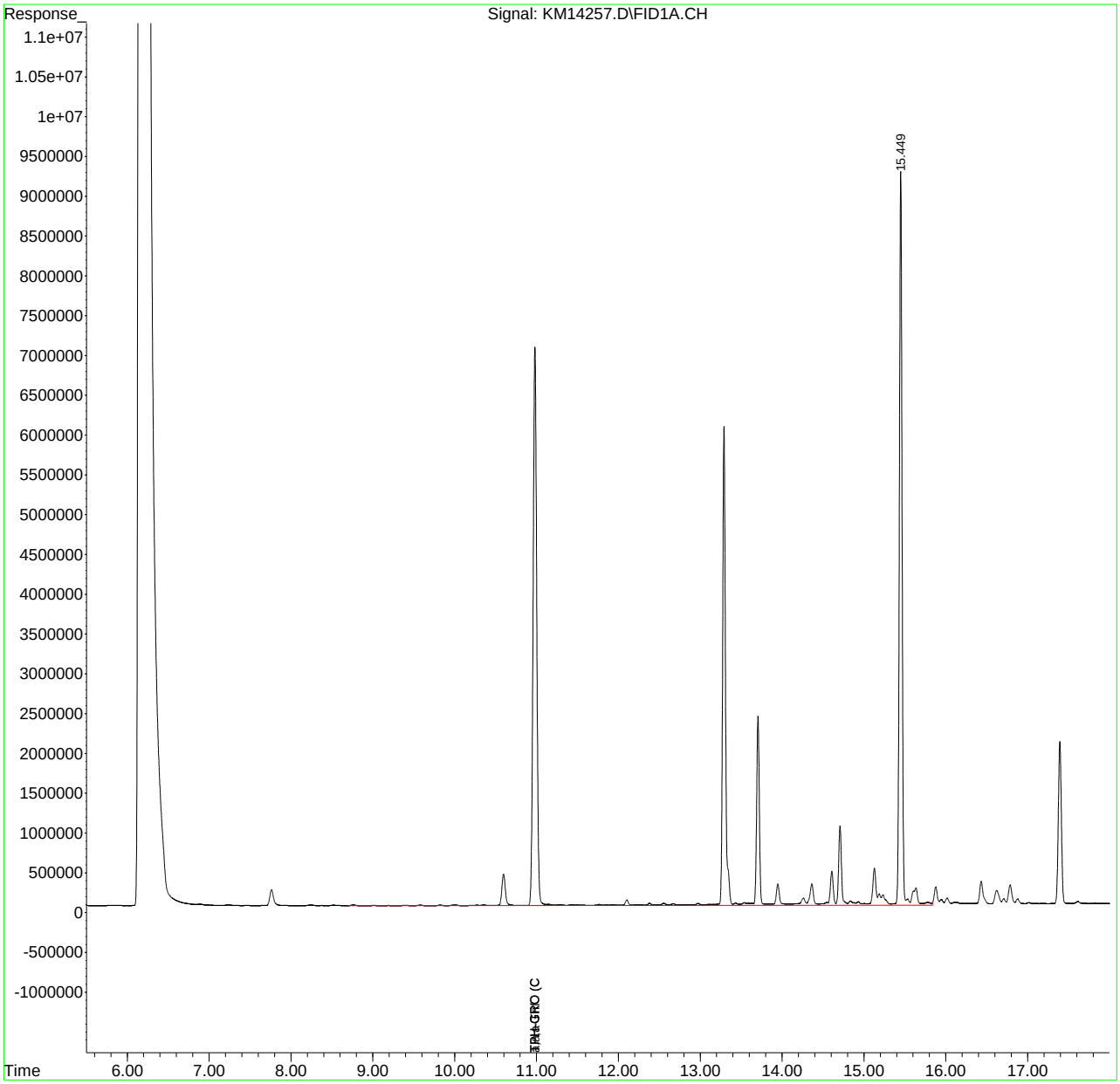
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

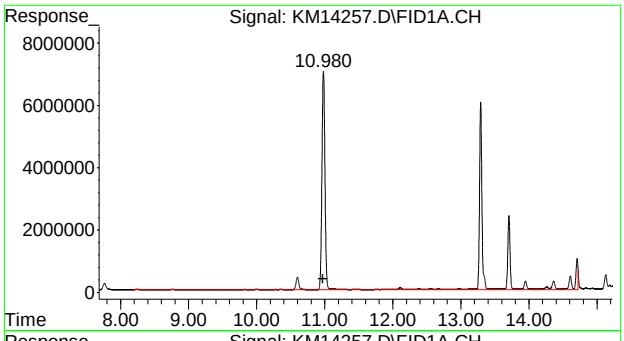
Data Path : X:\Dayton VOA GCMS\rosanlie\Oct 2025\10-22-25\GKM598\
Data File : KM14257.D
Signal(s) : FID1A.CH
Acq On : 21 Oct 2025 12:41 pm
Operator : johnn
Sample : je20825-1
Misc : GC65370,GKM598,5.0,,,,1
ALS Vial : 7 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 22 06:49:16 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

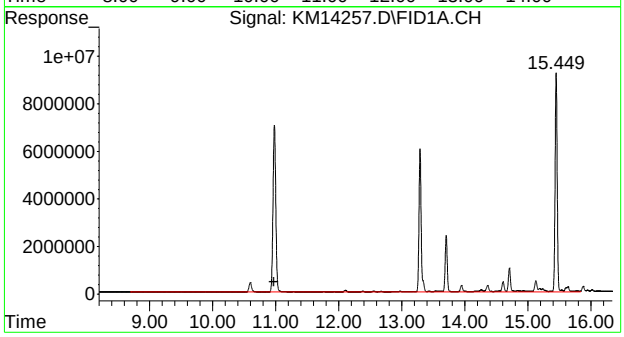


MKM588.M Wed Oct 22 06:58:26 2025 Page: 2



#1 TPH-GRO (C6-C10)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 285214471
Conc: 741.99 ug/l



#2 TPH-GRO (C6-C12)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 533545542
Conc: 1614.88 ug/l

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\lotusa\Oct-2025\10-15\GKM593\
Data File : KM14153.D
Signal(s) : FID1A.CH
Acq On : 14 Oct 2025 3:44 pm
Operator : johnn
Sample : je20825-3
Misc : GC65370,GKM593,5.0,,,,1
ALS Vial : 12 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 15 14:46:50 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) S a,a,a-Trifluorotoluene	10.977	210981748	265.643 ug/l
Spiked Amount 300.000	Range 70 - 116	Recovery = 88.55%	
Target Compounds			
1) H TPH-GRO (C6-C10)	10.970	216008311	561.945 ug/l
2) H TPH-GRO (C6-C12)	10.970	418782915	1267.531 ug/l

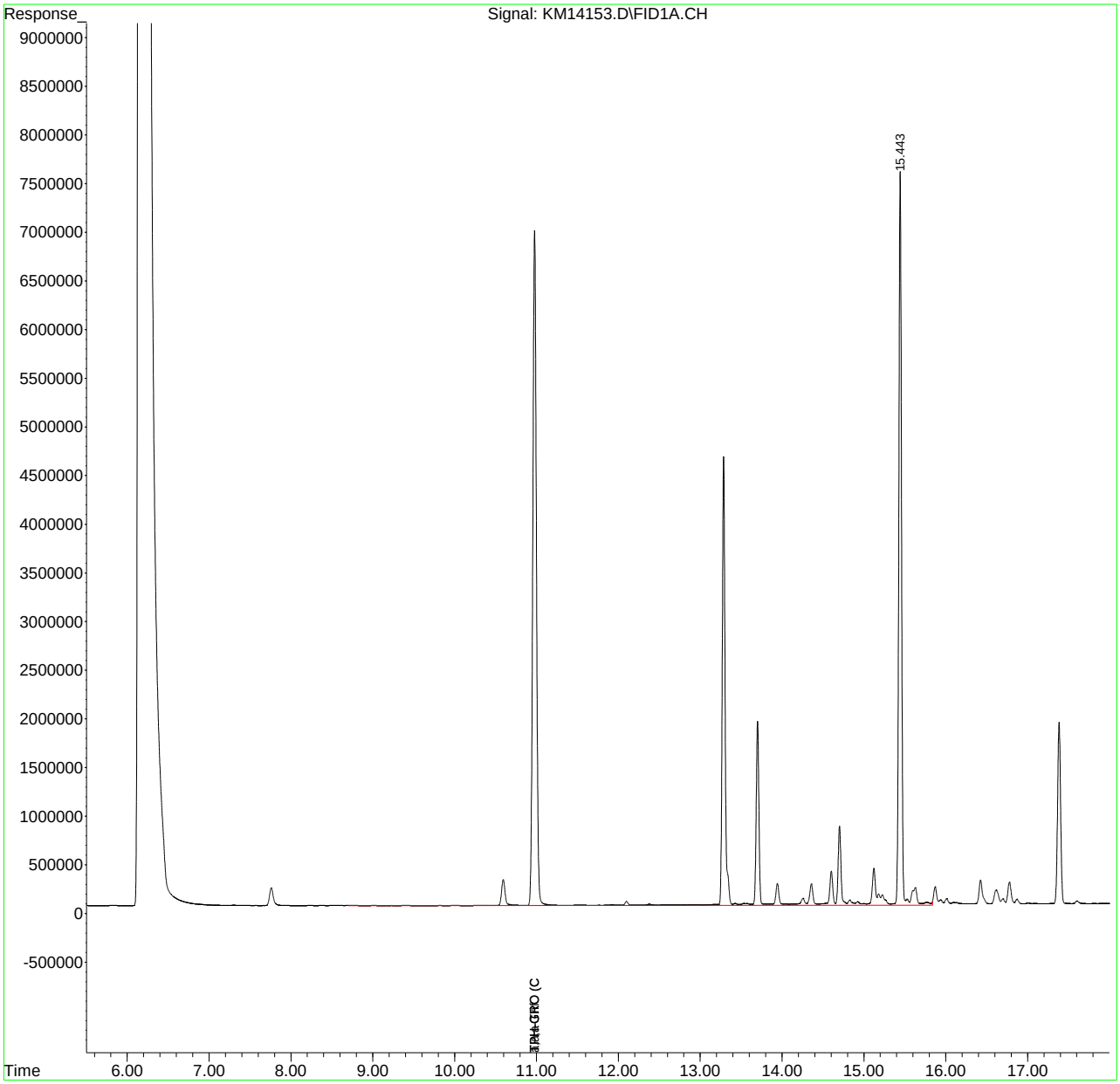
(f)=RT Delta > 1/2 Window (m)=manual int.

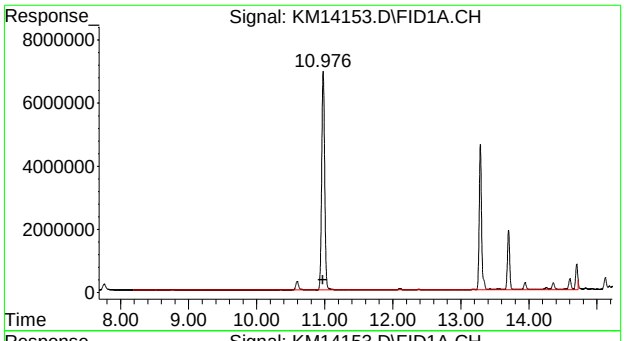
Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\lotusa\Oct-2025\10-15\GKM593\
Data File : KM14153.D
Signal(s) : FID1A.CH
Acq On : 14 Oct 2025 3:44 pm
Operator : johnn
Sample : je20825-3
Misc : GC65370,GKM593,5.0,,,,1
ALS Vial : 12 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 15 14:46:50 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

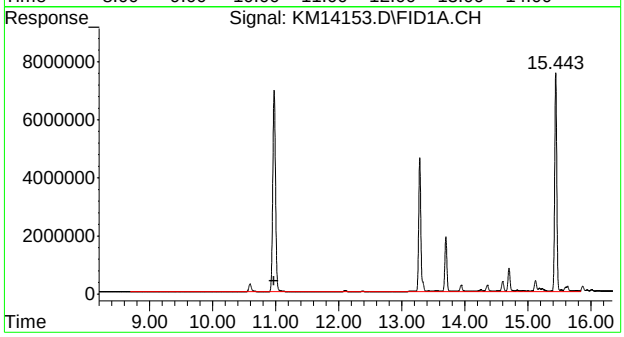
Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um





#1 TPH-GRO (C6-C10)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 216008311
Conc: 561.95 ug/l



#2 TPH-GRO (C6-C12)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 418782915
Conc: 1267.53 ug/l

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\braianc\2025\10. October\14102025\GKM591\
Data File : KM14114.D
Signal(s) : FID1A.CH
Acq On : 13 Oct 2025 8:03 pm
Operator : johnn
Sample : je20825-5
Misc : GC65370,GKM591,5.0,,,,1
ALS Vial : 21 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 14 19:12:36 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) S a,a,a-Trifluorotoluene	10.978	210253456	264.726 ug/l
Spiked Amount 300.000	Range 70 - 116	Recovery = 88.24%	
Target Compounds			
2) H TPH-GRO (C6-C12)	10.970	59242848	179.310 ug/l

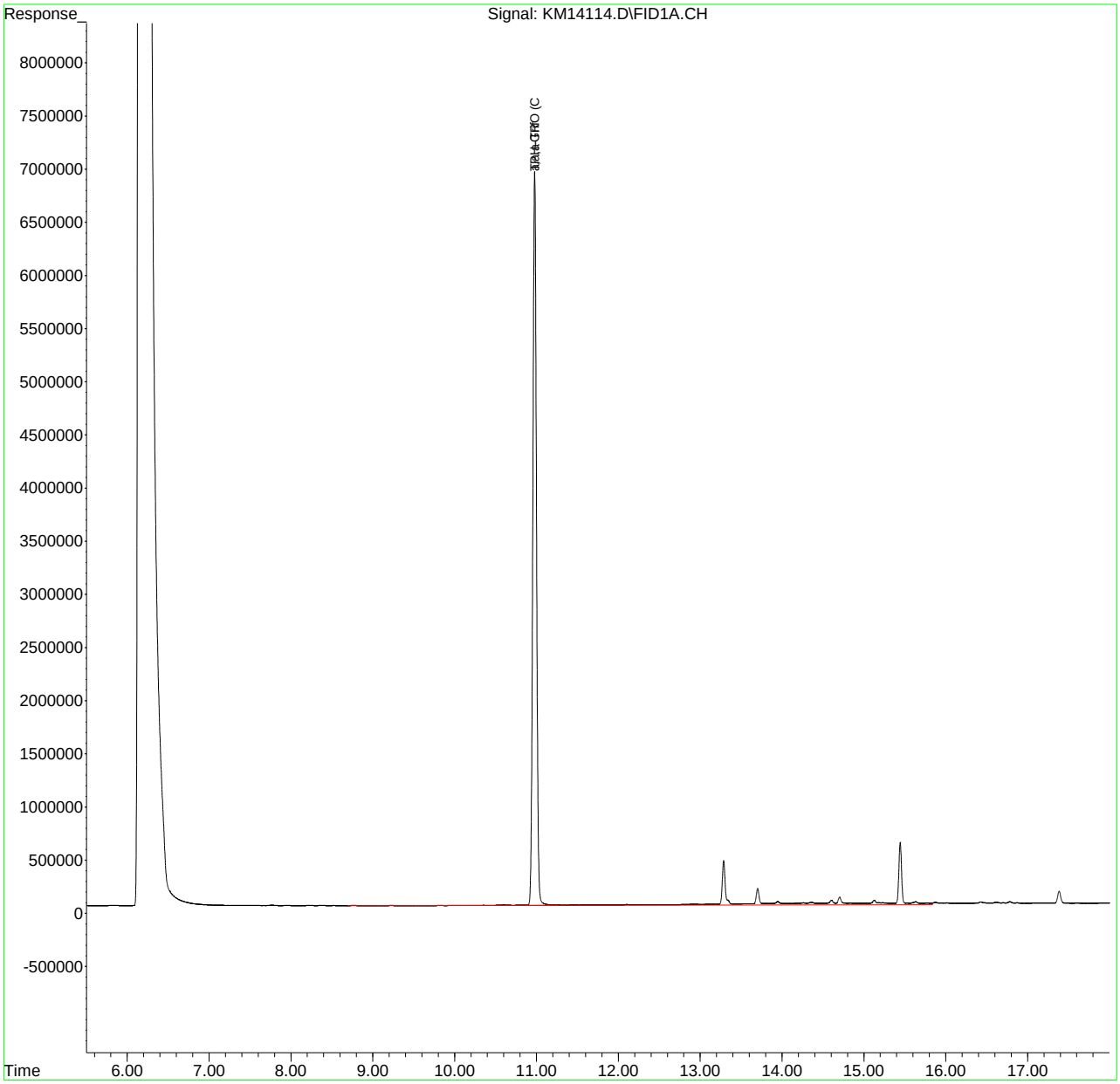
(f)=RT Delta > 1/2 Window (m)=manual int.

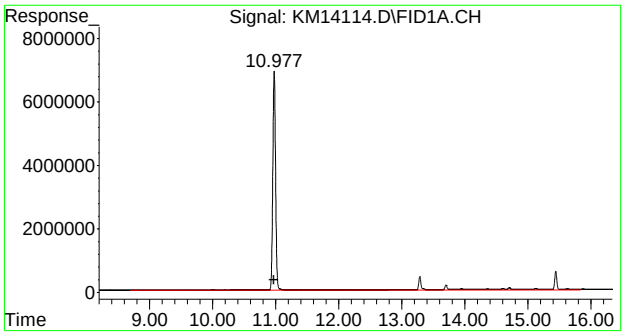
Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\braianc\2025\10. October\14102025\GKM591\
Data File : KM14114.D
Signal(s) : FID1A.CH
Acq On : 13 Oct 2025 8:03 pm
Operator : johnn
Sample : je20825-5
Misc : GC65370,GKM591,5.0,,,,1
ALS Vial : 21 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 14 19:12:36 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um





#2 TPH-GRO (C6-C12)

R.T.:	10.970 min
Delta R.T.:	0.000 min
Response:	59242848
Conc:	179.31 ug/l

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118150.d
Signal(s) : FID1A.ch
Acq On : 22 Oct 2025 8:52 am
Operator : williamc
Sample : je20825-1
Misc : GC65375,GAA3393,,,,,1
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 22 09:03:32 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df

	Compound	R.T.	Response	Conc Units
Target Compounds				
1)	Methane	1.330	464267375	28323.854 PPMV
2)	Ethane	1.732	1219448	39.284 PPMV

(f)=RT Delta > 1/2 Window (m)=manual int.

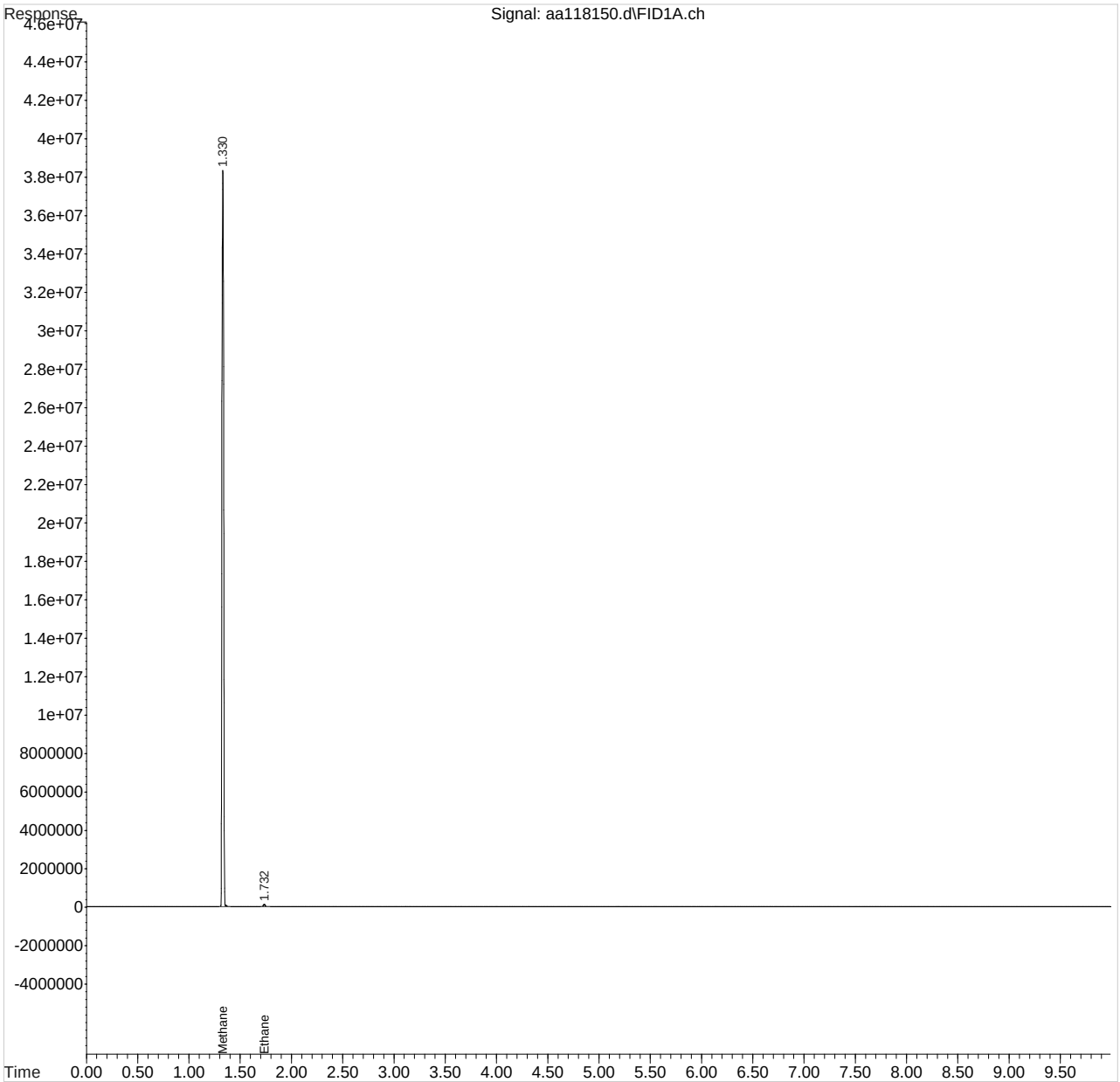
11.1.4
11

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118150.d
Signal(s) : FID1A.ch
Acq On : 22 Oct 2025 8:52 am
Operator : williamc
Sample : je20825-1
Misc : GC65375,GAA3393,,,,,1
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 22 09:03:32 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



Dissolved Gas Calculation Worksheet

Data File Name **aa118150.d**
Date Acquired **10/22/2025 8:52**
Sample Name **je20825-1**
Sample Multiplier **1**
Temperature(C) **24**
Headspace Vol. (cc) **5**
Sample Vol(cc) **38**

Compound	MW	Molar Volume(L)	Water g-moles/L	Temp K	Corrected Gas dens.	Peak Area	Helium Blank	Headspace (ppmv)*	Headspace (ug/l)	Water (ug/l)	Henry's Constant	Saturation Conc.(ug/l)	Total (ug/L)	MDL (ug/l)	Report (ug/l)
METHANE	16	22.4	55.5	297	24.37	4.6E+008	4647	28323.57	18596.28	2446.88	40560	620.102	3066.98	0.08	**3066.98**
ETHANE	30	22.4	55.5	297	24.37	1219448	0	39.28	48.36	6.36	29420	2.223	8.586	0.14	**8.586**
ETHYLENE	28	22.4	55.5	297	24.29	0	0	#DIV/0!	#DIV/0!	#DIV/0!	11160	#DIV/0!	#DIV/0!	0.16	**#DIV/0!**
PROPANE	44	22.4	55.5	297	24.29	0	0	#DIV/0!	#DIV/0!	#DIV/0!	35857	#DIV/0!	#DIV/0!	0.07	**#DIV/0!**

*** ppmv is corrected for helium blank background peak area**

Definitions,

Molar Volume	**The volume of 1 mole of any gas at standard temperature and pressure(STP)**
Water g/Moles	**1 Liter of water is equal to 55.5g-moles**
Temp-kelvin	**Is defined as 273 + degress C**
Corrected Gas Density	**Gas density corrected for temperature is equal to (molar volume) x (temp-k/273)**
Headspace conc(ug/l)	**Is equal to (ppmv reading) x (mw/corrected gas density)**
Water Concentration(ug/l)	**Is equal to headspace conc(ug/l) x headspace vol/sample vol**
Saturation Concentration(ug/l)	**Gas which remains at equilibrium in the sample is equal to (headspace conc-ppm) x (mw) x (55.5)/(Henry's Constant)**

Henry's Constants

temp-c	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43460	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Oxygen	40100	40840	41580	42320	43060	43800	44540	45280	46020	46760	47500
CO	52600	53680	54760	55840	56920	58000	58800	59600	60400	61200	62000
CO2	14200	14640	15080	15520	15960	16400	16840	17280	17720	18160	18600
Nitrogen	80400	81620	82840	84060	85280	86500	87680	88860	90040	91220	92400
Hydrogen	68300	68780	69260	69740	70220	70700	71140	71580	72020	72460	72900
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Manual Integrations APPROVED
(compounds with "m" flag)
Kanya Veerawat
10/22/25 20:50

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118152.d
Signal(s) : FID1A.ch
Acq On : 22 Oct 2025 9:18 am
Operator : williamc
Sample : je20825-1
Misc : GC65375,GAA3393,,,,,100
ALS Vial : 14 Sample Multiplier: 100

Integration File: autoint1.e
Quant Time: Oct 22 09:29:32 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df

	Compound	R.T.	Response	Conc Units
Target Compounds				
1)	Methane	1.340	4776441	29139.938 PPMV
2)	Ethane	1.740	13592	43.785 PPMV m

(f)=RT Delta > 1/2 Window (m)=manual int.

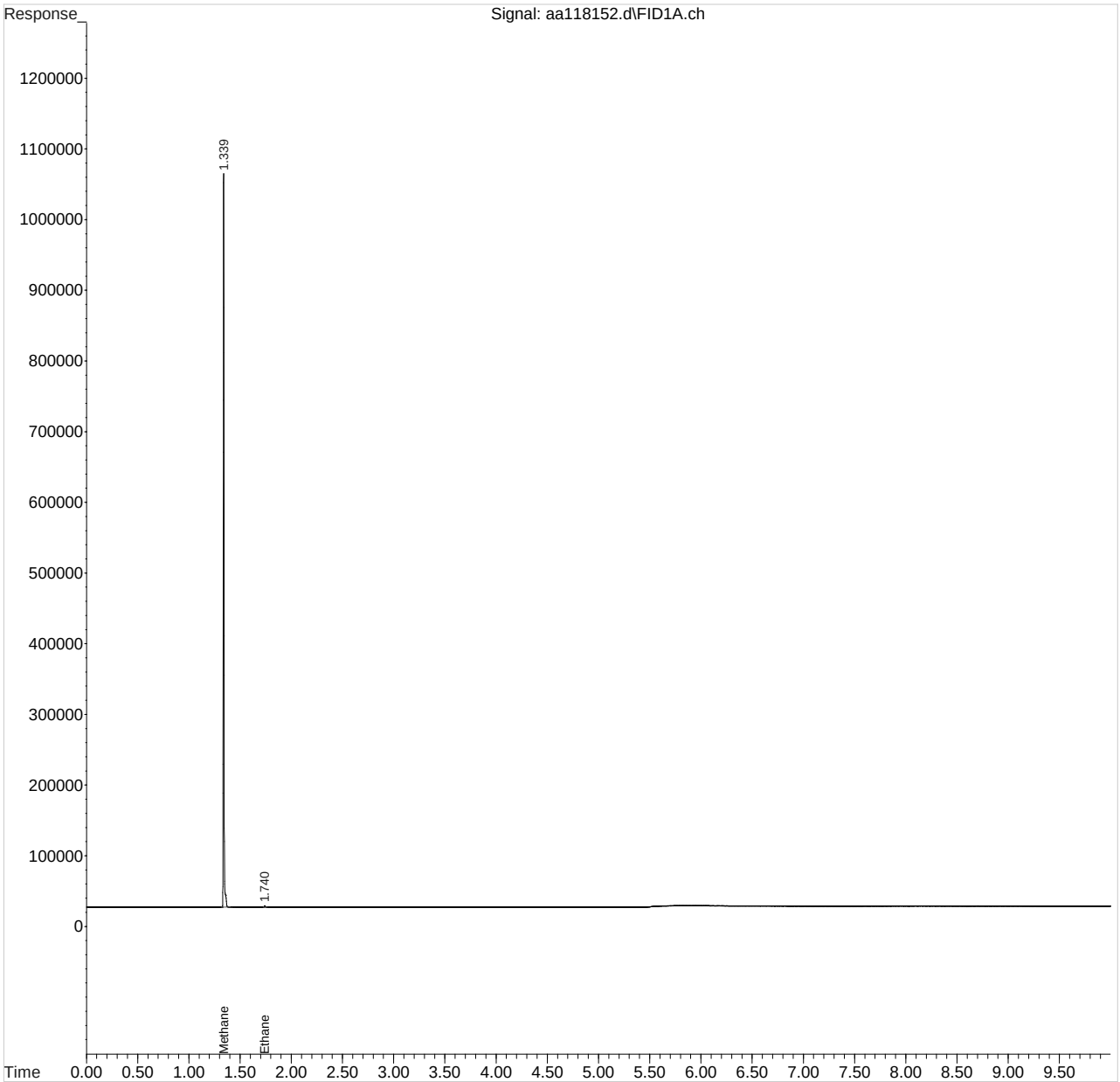
11.1.6
11

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118152.d
Signal(s) : FID1A.ch
Acq On : 22 Oct 2025 9:18 am
Operator : williamc
Sample : je20825-1
Misc : GC65375,GAA3393,,,,,100
ALS Vial : 14 Sample Multiplier: 100

Integration File: autoint1.e
Quant Time: Oct 22 09:29:32 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



MAA3333.M Wed Oct 22 16:43:42 2025 AA

11.1.6
11

Manual Integration Approval Summary

Sample Number: JE20825-1
Lab FileID: AA118152.D
Injection Time: 10/22/25 09:18

Method: RSK-175
Analyst approved: 10/22/25 17:26 William Cruser
Supervisor approved: 10/22/25 20:50 Kanya Veerawat

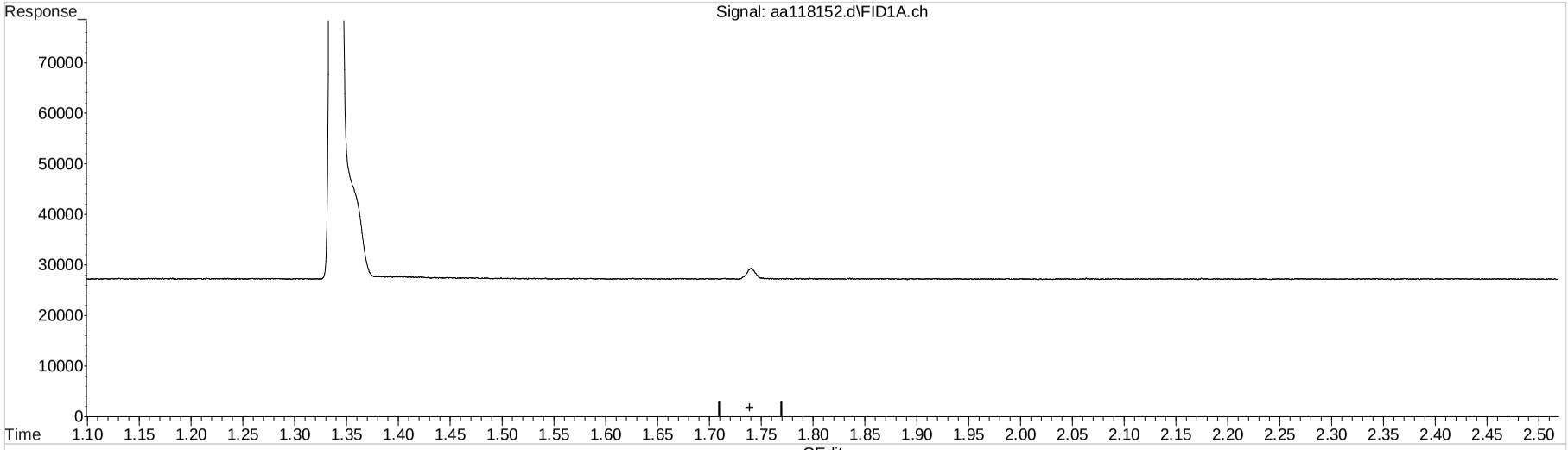
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethane	74-84-0	1	1.74	Missed peak

Quantitation Report (Qedit)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118152.d
Signal(s) : FID1A.ch
Acq On : 22 Oct 2025 9:18 am
Operator : williamc
Sample : je20825-1
Misc : GC65375,GAA3393,,,,,100
ALS Vial : 14 Sample Multiplier: 100

Integration File: autoint1.e
Quant Time: Oct 22 09:28:23 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



(2) Ethane
1.739min 0.000PPMV
response 0

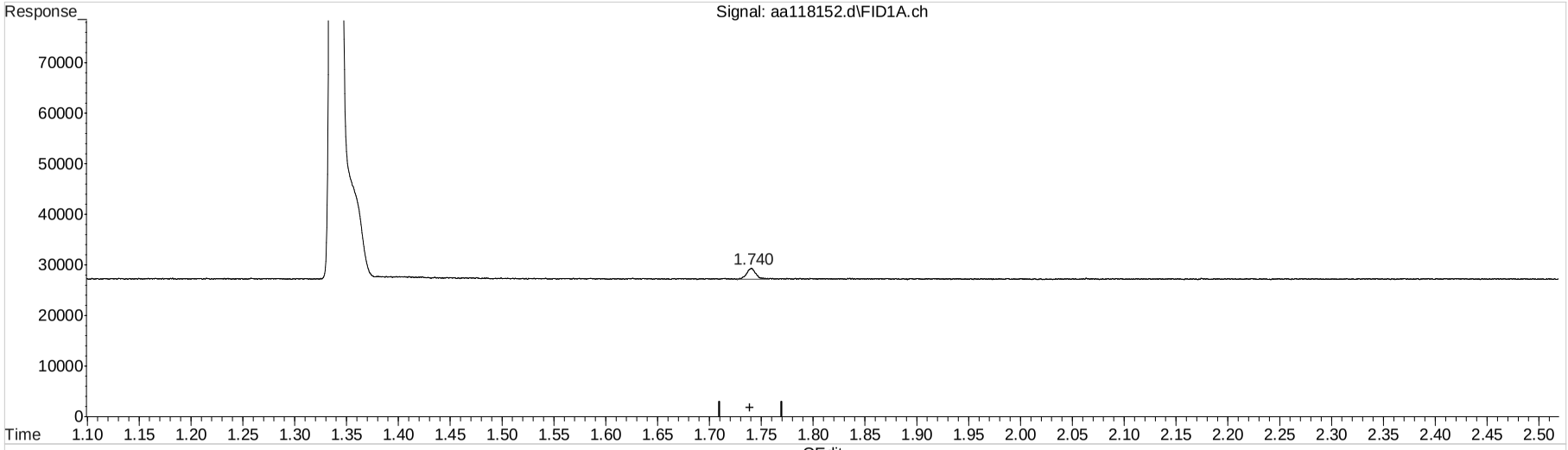
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118152.d
Signal(s) : FID1A.ch
Acq On : 22 Oct 2025 9:18 am
Operator : williamc
Sample : je20825-1
Misc : GC65375,GAA3393,,,,,100
ALS Vial : 14 Sample Multiplier: 100

Integration File: autoint1.e
Quant Time: Oct 22 09:28:23 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



(2) Ethane
1.740min 43.785PPMV m
response 13592

(+) = Expected Retention Time

Dissolved Gas Calculation Worksheet

Data File Name **aa118152.d**
Date Acquired **10/22/2025 9:18**
Sample Name **je20825-1**
Sample Multiplier **100**
Temperature(C) **24**
Headspace Vol. (cc) **5**
Sample Vol(cc) **38**

Compound	MW	Molar Volume(L)	Water g-moles/L	Temp K	Corrected Gas dens.	Peak Area	Helium Blank	Headspace (ppmv)*	Headspace (ug/l)	Water (ug/l)	Henry's Constant	Saturation Conc.(ug/l)	Total (ug/L)	MDL (ug/l)	Report (ug/l)
METHANE	16	22.4	55.5	297	24.37	4776441	4647	29111.59	19113.67	2514.96	40560	637.354	3152.31	8.00	**3152.31**
ETHANE	30	22.4	55.5	297	24.37	13592	0	43.79	53.90	7.09	29420	2.478	9.570	14.00	**ND**
ETHYLENE	28	22.4	55.5	297	24.29	0	0	#DIV/0!	#DIV/0!	#DIV/0!	11160	#DIV/0!	#DIV/0!	16.00	**#DIV/0!**
PROPANE	44	22.4	55.5	297	24.29	0	0	#DIV/0!	#DIV/0!	#DIV/0!	35857	#DIV/0!	#DIV/0!	7.00	**#DIV/0!**

*** ppmv is corrected for helium blank background peak area**

Definitions,

Molar Volume	The volume of 1 mole of any gas at standard temperature and pressure(STP)
Water g/Moles	1 Liter of water is equal to 55.5g-moles
Temp-kelvin	Is defined as 273 + degress C
Corrected Gas Density	Gas density corrected for temperature is equal to (molar volume) x (temp-k/273)
Headspace conc(ug/l)	Is equal to (ppmv reading) x (mw/corrected gas density)
Water Concentration(ug/l)	Is equal to headspace conc(ug/l) x headspace vol/sample vol
Saturation Concentration(ug/l)	Gas which remains at equilibrium in the sample is equal to (headspace conc-ppm) x (mw) x (55.5)/(Henry's Constant)

Henry's Constants

temp-c	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43460	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Oxygen	40100	40840	41580	42320	43060	43800	44540	45280	46020	46760	47500
CO	52600	53680	54760	55840	56920	58000	58800	59600	60400	61200	62000
CO2	14200	14640	15080	15520	15960	16400	16840	17280	17720	18160	18600
Nitrogen	80400	81620	82840	84060	85280	86500	87680	88860	90040	91220	92400
Hydrogen	68300	68780	69260	69740	70220	70700	71140	71580	72020	72460	72900
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118153.d
Signal(s) : FID1A.ch
Acq On : 22 Oct 2025 9:31 am
Operator : williamc
Sample : je20825-3
Misc : GC65375,GAA3393,,,,,1
ALS Vial : 15 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 22 09:41:45 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	1.332	522779294	31893.528	PPMV
2)	Ethane	1.734	1385134	44.621	PPMV

(f)=RT Delta > 1/2 Window (m)=manual int.

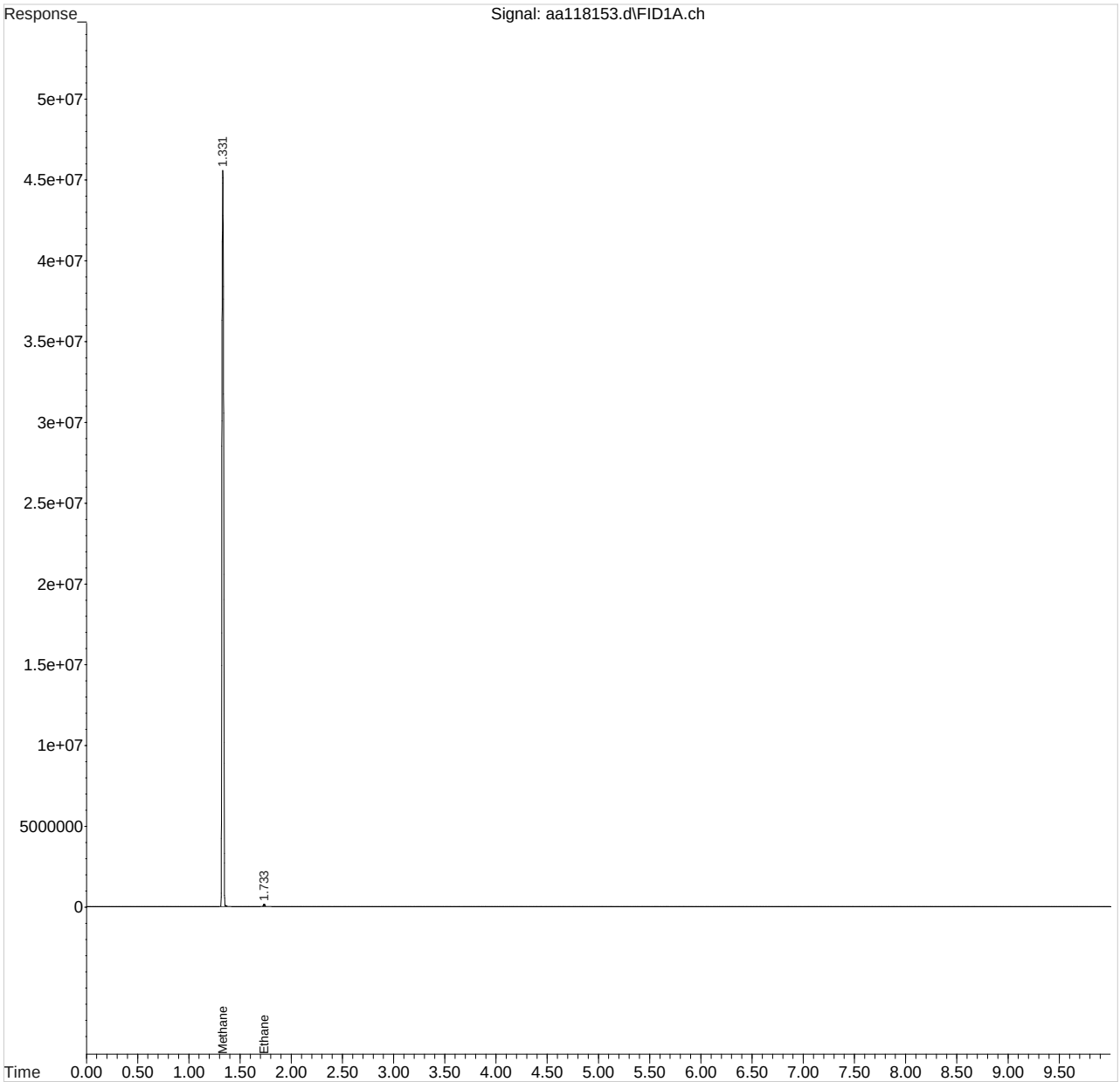
11.1.8
11

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118153.d
Signal(s) : FID1A.ch
Acq On : 22 Oct 2025 9:31 am
Operator : williamc
Sample : je20825-3
Misc : GC65375,GAA3393,,,,,1
ALS Vial : 15 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 22 09:41:45 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



Dissolved Gas Calculation Worksheet

Data File Name **aa118153.d**
Date Acquired **10/22/2025 9:31**
Sample Name **je20825-3**
Sample Multiplier **1**
Temperature(C) **24**
Headspace Vol. (cc) **5**
Sample Vol(cc) **38**

Compound	MW	Molar Volume(L)	Water g-moles/L	Temp K	Corrected Gas dens.	Peak Area	Helium Blank	Headspace (ppmv)*	Headspace (ug/l)	Water (ug/l)	Henry's Constant	Saturation Conc.(ug/l)	Total (ug/L)	MDL (ug/l)	Report (ug/l)
METHANE	16	22.4	55.5	297	24.37	5.2E+008	4647	31893.24	20940.01	2755.26	40560	698.254	3453.52	0.08	**3453.52**
ETHANE	30	22.4	55.5	297	24.37	1385134	0	44.62	54.93	7.23	29420	2.525	9.753	0.14	**9.753**
ETHYLENE	28	22.4	55.5	297	24.29	0	0	#DIV/0!	#DIV/0!	#DIV/0!	11160	#DIV/0!	#DIV/0!	0.16	**#DIV/0!**
PROPANE	44	22.4	55.5	297	24.29	0	0	#DIV/0!	#DIV/0!	#DIV/0!	35857	#DIV/0!	#DIV/0!	0.07	**#DIV/0!**

*** ppmv is corrected for helium blank background peak area**

Definitions,

Molar Volume	**The volume of 1 mole of any gas at standard temperature and pressure(STP)**
Water g/Moles	**1 Liter of water is equal to 55.5g-moles**
Temp-kelvin	**Is defined as 273 + degress C**
Corrected Gas Density	**Gas density corrected for temperature is equal to (molar volume) x (temp-k/273)**
Headspace conc(ug/l)	**Is equal to (ppmv reading) x (mw/corrected gas density)**
Water Concentration(ug/l)	**Is equal to headspace conc(ug/l) x headspace vol/sample vol**
Saturation Concentration(ug/l)	**Gas which remains at equilibrium in the sample is equal to (headspace conc-ppm) x (mw) x (55.5)/(Henry's Constant)**

Henry's Constants

temp-c	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43460	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Oxygen	40100	40840	41580	42320	43060	43800	44540	45280	46020	46760	47500
CO	52600	53680	54760	55840	56920	58000	58800	59600	60400	61200	62000
CO2	14200	14640	15080	15520	15960	16400	16840	17280	17720	18160	18600
Nitrogen	80400	81620	82840	84060	85280	86500	87680	88860	90040	91220	92400
Hydrogen	68300	68780	69260	69740	70220	70700	71140	71580	72020	72460	72900
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Manual Integrations APPROVED
(compounds with "m" flag)
Kanya Veerawat
10/22/25 20:55

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118154.d
Signal(s) : FID1A.ch
Acq On : 22 Oct 2025 9:44 am
Operator : williamc
Sample : je20825-3
Misc : GC65375,GAA3393,,,,,100
ALS Vial : 16 Sample Multiplier: 100

Integration File: autoint1.e
Quant Time: Oct 22 09:55:42 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df

	Compound	R.T.	Response	Conc	Units
	Target Compounds				
1)	Methane	1.341	5571560	33990.766	PPMV
2)	Ethane	1.742	13441	43.301	PPMV m

(f)=RT Delta > 1/2 Window (m)=manual int.

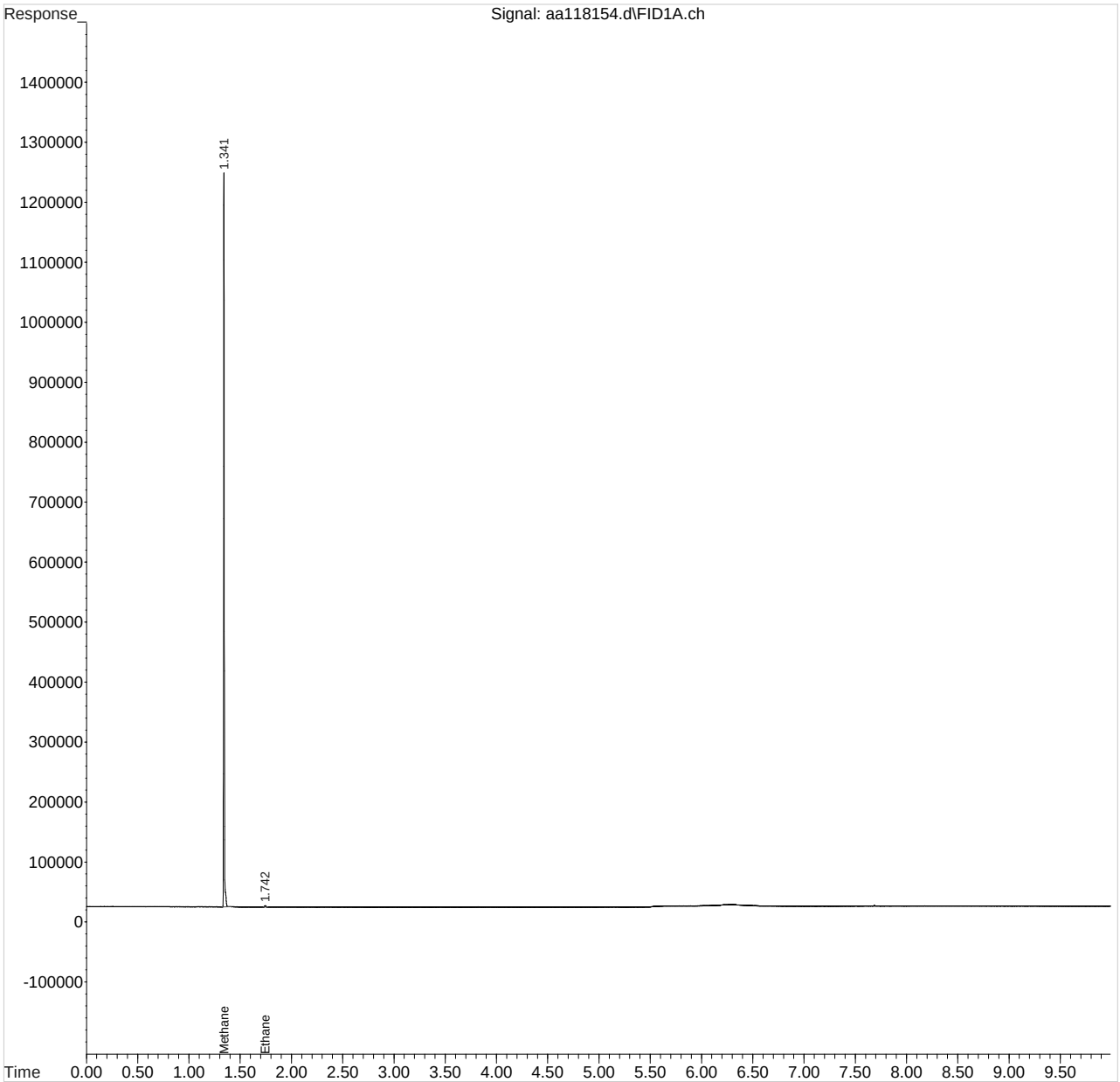
11.1.10
11

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118154.d
Signal(s) : FID1A.ch
Acq On : 22 Oct 2025 9:44 am
Operator : williamc
Sample : je20825-3
Misc : GC65375,GAA3393,,,,,100
ALS Vial : 16 Sample Multiplier: 100

Integration File: autoint1.e
Quant Time: Oct 22 09:55:42 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



Manual Integration Approval Summary

Sample Number: JE20825-3
Lab FileID: AA118154.D
Injection Time: 10/22/25 09:44
Method: RSK-175
Analyst approved: 10/22/25 17:26 William Cruser
Supervisor approved: 10/22/25 20:55 Kanya Veerawat

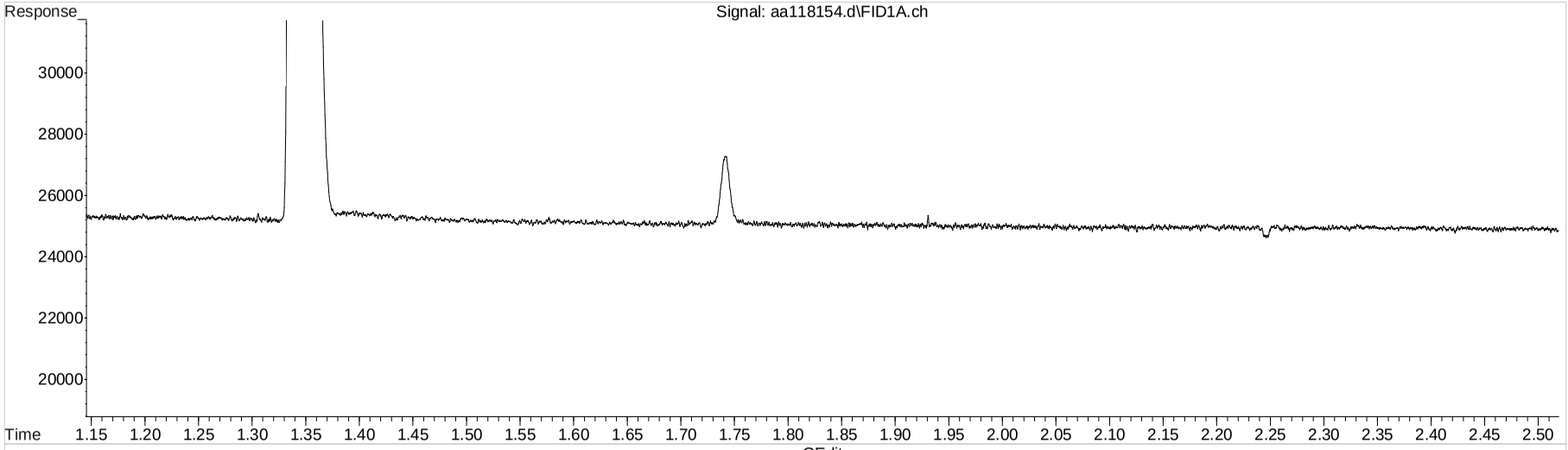
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethane	74-84-0	1	1.74	Missed peak

Quantitation Report (Qedit)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118154.d
Signal(s) : FID1A.ch
Acq On : 22 Oct 2025 9:44 am
Operator : williamc
Sample : je20825-3
Misc : GC65375,GAA3393,,,,,100
ALS Vial : 16 Sample Multiplier: 100

Integration File: autoint1.e
Quant Time: Oct 22 09:54:24 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



(2) Ethane
1.739min 0.000PPMV
response 0

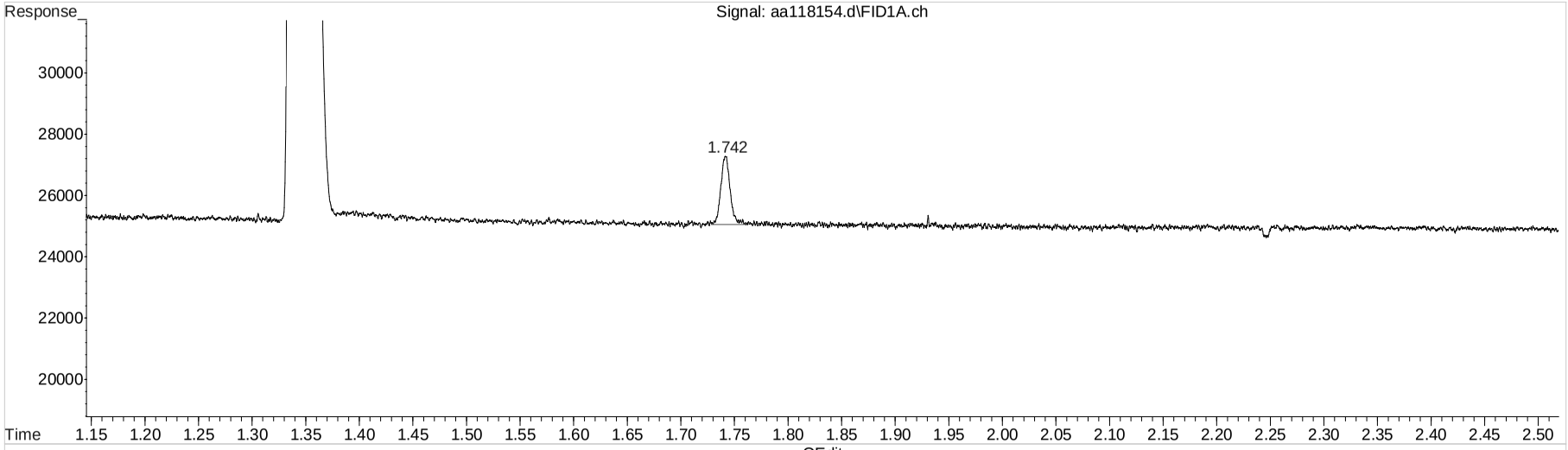
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118154.d
Signal(s) : FID1A.ch
Acq On : 22 Oct 2025 9:44 am
Operator : williamc
Sample : je20825-3
Misc : GC65375,GAA3393,,,,,100
ALS Vial : 16 Sample Multiplier: 100

Integration File: autoint1.e
Quant Time: Oct 22 09:54:24 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



(2) Ethane
1.742min 43.301PPMV m
response 13441

(+) = Expected Retention Time

Dissolved Gas Calculation Worksheet

Data File Name **aa118154.d**
Date Acquired **10/22/2025 9:44**
Sample Name **je20825-3**
Sample Multiplier **100**
Temperature(C) **24**
Headspace Vol. (cc) **5**
Sample Vol(cc) **38**

Compound	MW	Molar Volume(L)	Water g-moles/L	Temp K	Corrected Gas dens.	Peak Area	Helium Blank	Headspace (ppmv)*	Headspace (ug/l)	Water (ug/l)	Henry's Constant	Saturation Conc.(ug/l)	Total (ug/L)	MDL (ug/l)	Report (ug/l)
METHANE	16	22.4	55.5	297	24.37	5571560	4647	33962.42	22298.56	2934.02	40560	743.556	3677.58	8.00	**3677.58**
ETHANE	30	22.4	55.5	297	24.37	13441	0	43.30	53.31	7.01	29420	2.451	9.465	14.00	**ND**
ETHYLENE	28	22.4	55.5	297	24.29	0	0	#DIV/0!	#DIV/0!	#DIV/0!	11160	#DIV/0!	#DIV/0!	16.00	**#DIV/0!**
PROPANE	44	22.4	55.5	297	24.29	0	0	#DIV/0!	#DIV/0!	#DIV/0!	35857	#DIV/0!	#DIV/0!	7.00	**#DIV/0!**

*** ppmv is corrected for helium blank background peak area**

Definitions,

Molar Volume	The volume of 1 mole of any gas at standard temperature and pressure(STP)
Water g/Moles	1 Liter of water is equal to 55.5g-moles
Temp-kelvin	Is defined as 273 + degress C
Corrected Gas Density	Gas density corrected for temperature is equal to (molar volume) x (temp-k/273)
Headspace conc(ug/l)	Is equal to (ppmv reading) x (mw/corrected gas density)
Water Concentration(ug/l)	Is equal to headspace conc(ug/l) x headspace vol/sample vol
Saturation Concentration(ug/l)	Gas which remains at equilibrium in the sample is equal to (headspace conc-ppm) x (mw) x (55.5)/(Henry's Constant)

Henry's Constants

temp-c	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43460	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Oxygen	40100	40840	41580	42320	43060	43800	44540	45280	46020	46760	47500
CO	52600	53680	54760	55840	56920	58000	58800	59600	60400	61200	62000
CO2	14200	14640	15080	15520	15960	16400	16840	17280	17720	18160	18600
Nitrogen	80400	81620	82840	84060	85280	86500	87680	88860	90040	91220	92400
Hydrogen	68300	68780	69260	69740	70220	70700	71140	71580	72020	72460	72900
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 10/22/25 20:56

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118155.d
Signal(s) : FID1A.ch
Acq On : 22 Oct 2025 10:00 am
Operator : williamc
Sample : je20825-5
Misc : GC65375,GAA3393,,,,,1
ALS Vial : 17 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 22 10:11:27 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df

	Compound	R.T.	Response	Conc Units
Target Compounds				
1)	Methane	1.331	180894212	11035.928 PPMV
2)	Ethane	1.732	316765	10.204 PPMV m

(f)=RT Delta > 1/2 Window (m)=manual int.

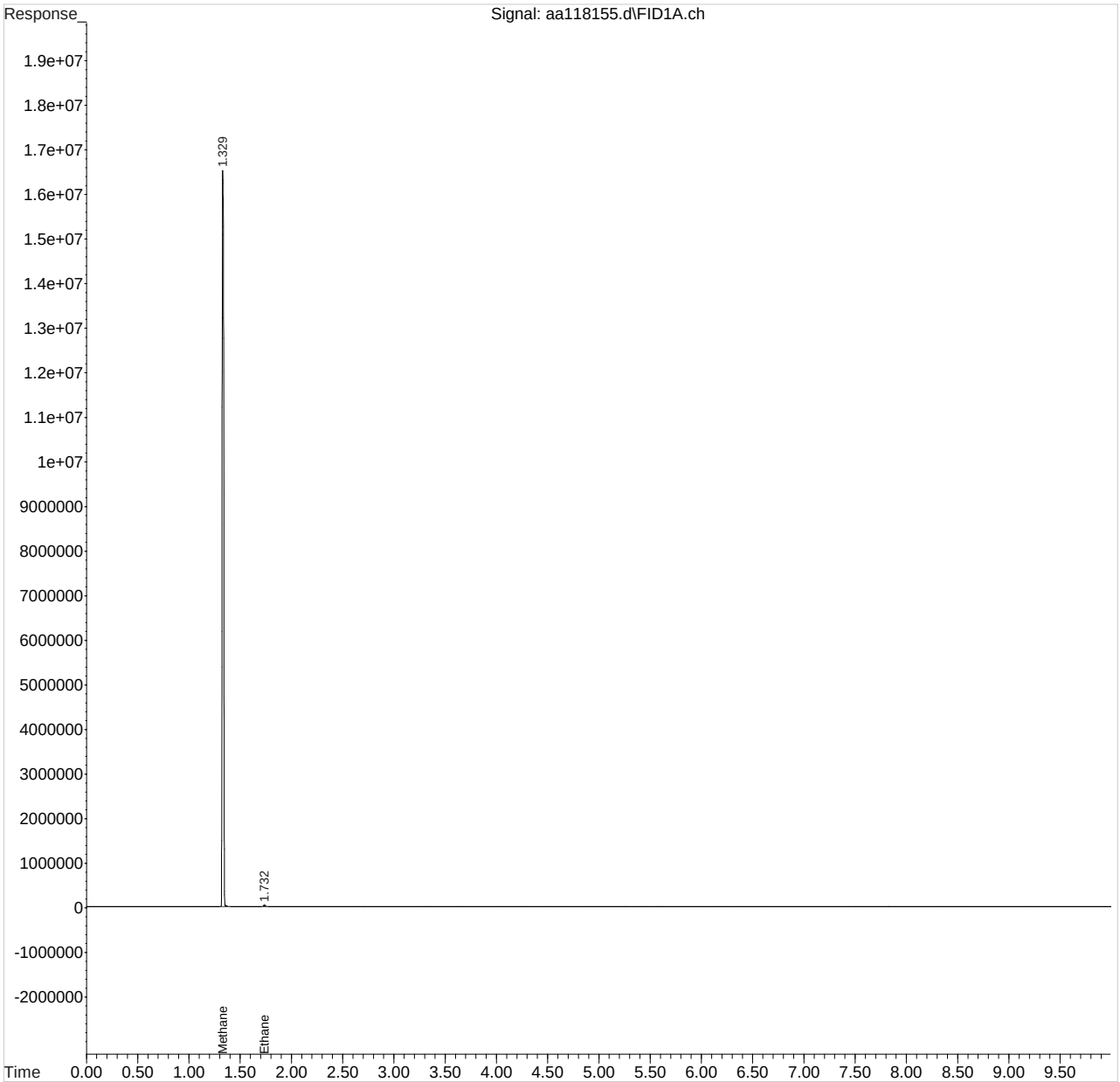
11.1.12
11

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118155.d
Signal(s) : FID1A.ch
Acq On : 22 Oct 2025 10:00 am
Operator : williamc
Sample : je20825-5
Misc : GC65375,GAA3393,,,,,1
ALS Vial : 17 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 22 10:11:27 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



Manual Integration Approval Summary

Sample Number: JE20825-5
Lab FileID: AA118155.D
Injection Time: 10/22/25 10:00
Method: RSK-175
Analyst approved: 10/22/25 17:26 William Cruser
Supervisor approved: 10/22/25 20:56 Kanya Veerawat

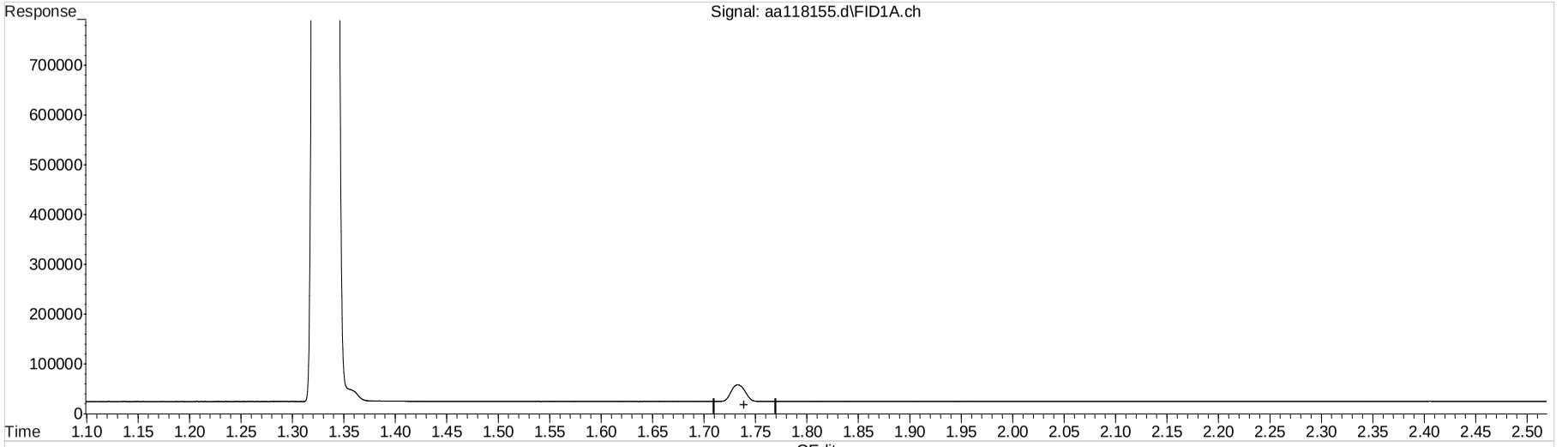
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethane	74-84-0	1	1.73	Missed peak

Quantitation Report (Qedit)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118155.d
Signal(s) : FID1A.ch
Acq On : 22 Oct 2025 10:00 am
Operator : williamc
Sample : je20825-5
Misc : GC65375,GAA3393,,,,,1
ALS Vial : 17 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 22 10:10:49 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



(2) Ethane
1.739min 0.000PPMV
response 0

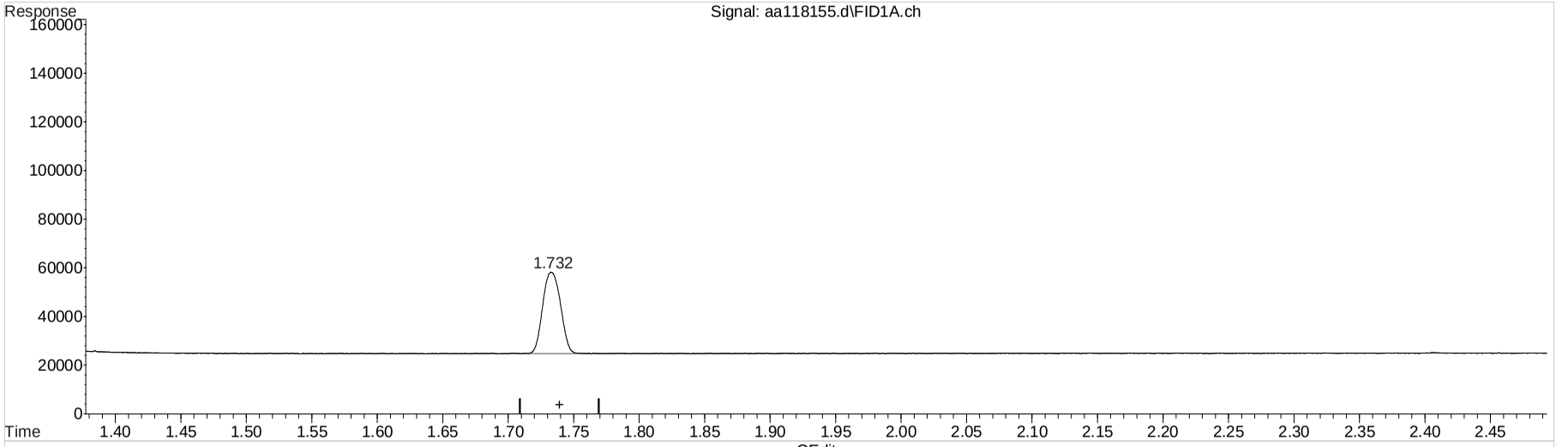
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118155.d
Signal(s) : FID1A.ch
Acq On : 22 Oct 2025 10:00 am
Operator : williamc
Sample : je20825-5
Misc : GC65375,GAA3393,,,,,1
ALS Vial : 17 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 22 10:10:49 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



(2) Ethane
1.732min 10.204PPMV m
response 316765

(+) = Expected Retention Time

Dissolved Gas Calculation Worksheet

Data File Name **aa118155.d**
Date Acquired **10/22/2025 10:00**
Sample Name **je20825-5**
Sample Multiplier **1**
Temperature(C) **24**
Headspace Vol. (cc) **5**
Sample Vol(cc) **38**

Compound	MW	Molar Volume(L)	Water g-moles/L	Temp K	Corrected Gas dens.	Peak Area	Helium Blank	Headspace (ppmv)*	Headspace (ug/l)	Water (ug/l)	Henry's Constant	Saturation Conc.(ug/l)	Total (ug/L)	MDL (ug/l)	Report (ug/l)
METHANE	16	22.4	55.5	297	24.37	1.8E+008	4647	11035.64	7245.63	953.37	40560	241.609	1194.98	0.08	**1194.98**
ETHANE	30	22.4	55.5	297	24.37	316765	0	10.20	12.56	1.65	29420	0.578	2.230	0.14	**2.230**
ETHYLENE	28	22.4	55.5	297	24.29	0	0	#DIV/0!	#DIV/0!	#DIV/0!	11160	#DIV/0!	#DIV/0!	0.16	**#DIV/0!**
PROPANE	44	22.4	55.5	297	24.29	0	0	#DIV/0!	#DIV/0!	#DIV/0!	35857	#DIV/0!	#DIV/0!	0.07	**#DIV/0!**

*** ppmv is corrected for helium blank background peak area**

Definitions,

Molar Volume	**The volume of 1 mole of any gas at standard temperature and pressure(STP)**
Water g/Moles	**1 Liter of water is equal to 55.5g-moles**
Temp-kelvin	**Is defined as 273 + degress C**
Corrected Gas Density	**Gas density corrected for temperature is equal to (molar volume) x (temp-k/273)**
Headspace conc(ug/l)	**Is equal to (ppmv reading) x (mw/corrected gas density)**
Water Concentration(ug/l)	**Is equal to headspace conc(ug/l) x headspace vol/sample vol**
Saturation Concentration(ug/l)	**Gas which remains at equilibrium in the sample is equal to (headspace conc-ppm) x (mw) x (55.5)/(Henry's Constant)**

Henry's Constants

temp-c	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43460	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Oxygen	40100	40840	41580	42320	43060	43800	44540	45280	46020	46760	47500
CO	52600	53680	54760	55840	56920	58000	58800	59600	60400	61200	62000
CO2	14200	14640	15080	15520	15960	16400	16840	17280	17720	18160	18600
Nitrogen	80400	81620	82840	84060	85280	86500	87680	88860	90040	91220	92400
Hydrogen	68300	68780	69260	69740	70220	70700	71140	71580	72020	72460	72900
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118156.d
Signal(s) : FID1A.ch
Acq On : 22 Oct 2025 10:14 am
Operator : williamc
Sample : je20825-5
Misc : GC65375,GAA3393,,,,,50
ALS Vial : 18 Sample Multiplier: 50

Integration File: autoint1.e
Quant Time: Oct 22 10:24:15 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df

	Compound	R.T.	Response	Conc	Units
	Target Compounds				
1)	Methane	1.337	3830000	11682.963	PPMV

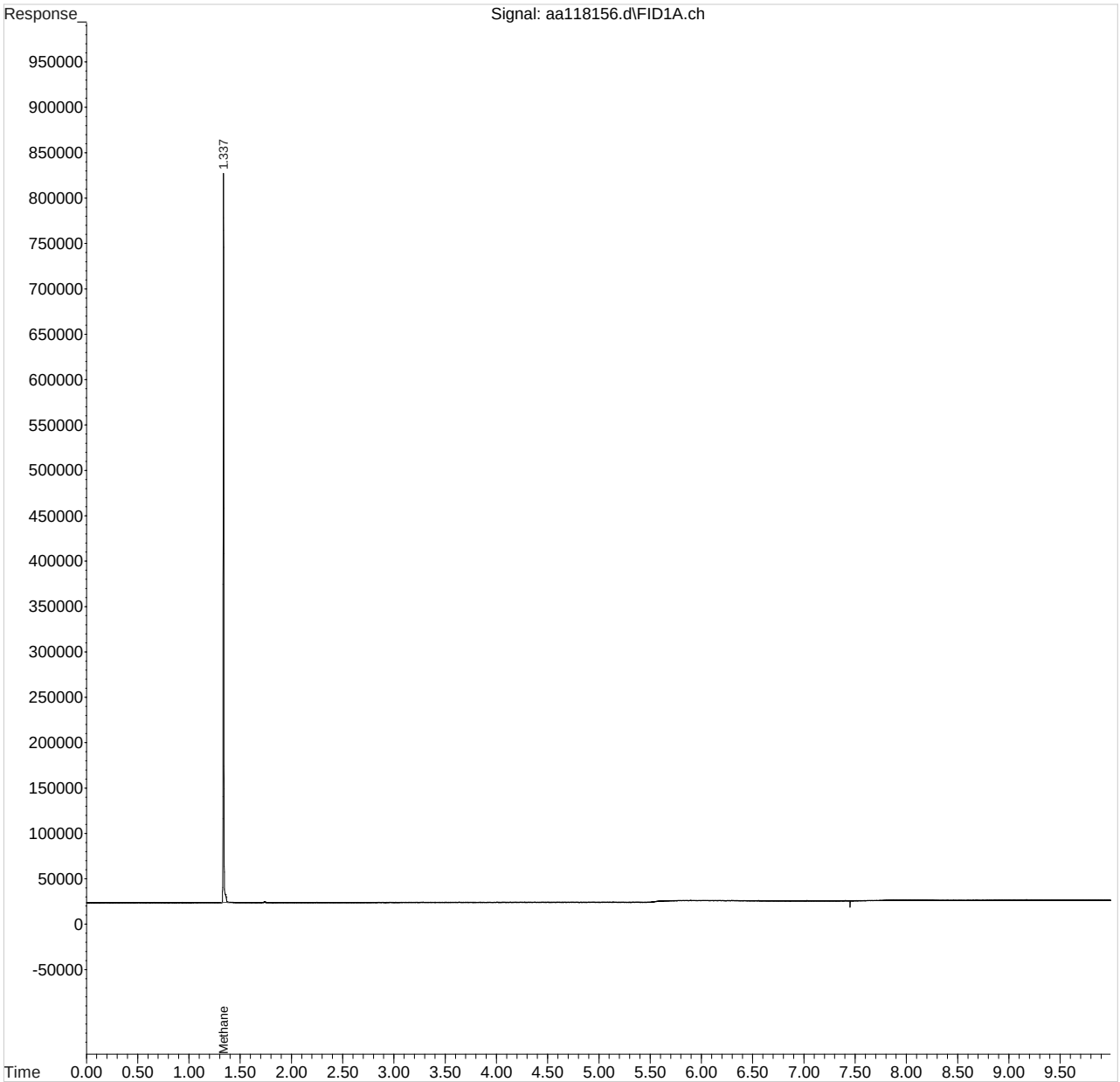
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118156.d
Signal(s) : FID1A.ch
Acq On : 22 Oct 2025 10:14 am
Operator : williamc
Sample : je20825-5
Misc : GC65375,GAA3393,,,,,50
ALS Vial : 18 Sample Multiplier: 50

Integration File: autoint1.e
Quant Time: Oct 22 10:24:15 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



Dissolved Gas Calculation Worksheet

Data File Name **aa118156.d**
Date Acquired **10/22/2025 10:14**
Sample Name **je20825-5**
Sample Multiplier **50**
Temperature(C) **24**
Headspace Vol. (cc) **5**
Sample Vol(cc) **38**

Compound	MW	Molar Volume(L)	Water g-moles/L	Temp K	Corrected Gas dens.	Peak Area	Helium Blank	Headspace (ppmv)*	Headspace (ug/l)	Water (ug/l)	Henry's Constant	Saturation Conc.(ug/l)	Total (ug/L)	MDL (ug/l)	Report (ug/l)
METHANE	16	22.4	55.5	297	24.37	3830000	4647	11668.79	7661.33	1008.07	40560	255.470	1263.54	4.00	**1263.54**
ETHANE	30	22.4	55.5	297	24.37	0	0	#DIV/0!	#DIV/0!	#DIV/0!	29420	#DIV/0!	#DIV/0!	7.00	**#DIV/0!**
ETHYLENE	28	22.4	55.5	297	24.29	0	0	#DIV/0!	#DIV/0!	#DIV/0!	11160	#DIV/0!	#DIV/0!	8.00	**#DIV/0!**
PROPANE	44	22.4	55.5	297	24.29	0	0	#DIV/0!	#DIV/0!	#DIV/0!	35857	#DIV/0!	#DIV/0!	3.50	**#DIV/0!**

*** ppmv is corrected for helium blank background peak area**

Definitions,

Molar Volume	The volume of 1 mole of any gas at standard temperature and pressure(STP)
Water g/Moles	1 Liter of water is equal to 55.5g-moles
Temp-kelvin	Is defined as 273 + degress C
Corrected Gas Density	Gas density corrected for temperature is equal to (molar volume) x (temp-k/273)
Headspace conc(ug/l)	Is equal to (ppmv reading) x (mw/corrected gas density)
Water Concentration(ug/l)	Is equal to headspace conc(ug/l) x headspace vol/sample vol
Saturation Concentration(ug/l)	Gas which remains at equilibrium in the sample is equal to (headspace conc-ppm) x (mw) x (55.5)/(Henry's Constant)

Henry's Constants

temp-c	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43460	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Oxygen	40100	40840	41580	42320	43060	43800	44540	45280	46020	46760	47500
CO	52600	53680	54760	55840	56920	58000	58800	59600	60400	61200	62000
CO2	14200	14640	15080	15520	15960	16400	16840	17280	17720	18160	18600
Nitrogen	80400	81620	82840	84060	85280	86500	87680	88860	90040	91220	92400
Hydrogen	68300	68780	69260	69740	70220	70700	71140	71580	72020	72460	72900
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\braianc\2025\10. October\14102025\GKM591\
Data File : KM14108.D
Signal(s) : FID1A.CH
Acq On : 13 Oct 2025 5:15 pm
Operator : johnn
Sample : mb2
Misc : GC65370,GKM591,5.0,,,,1
ALS Vial : 15 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 14 19:11:47 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) S a,a,a-Trifluorotoluene	10.978	205968965	259.332 ug/l
Spiked Amount 300.000	Range 70 - 116	Recovery = 86.44%	
Target Compounds			
2) H TPH-GRO (C6-C12)	10.970	38117486	115.370 ug/l

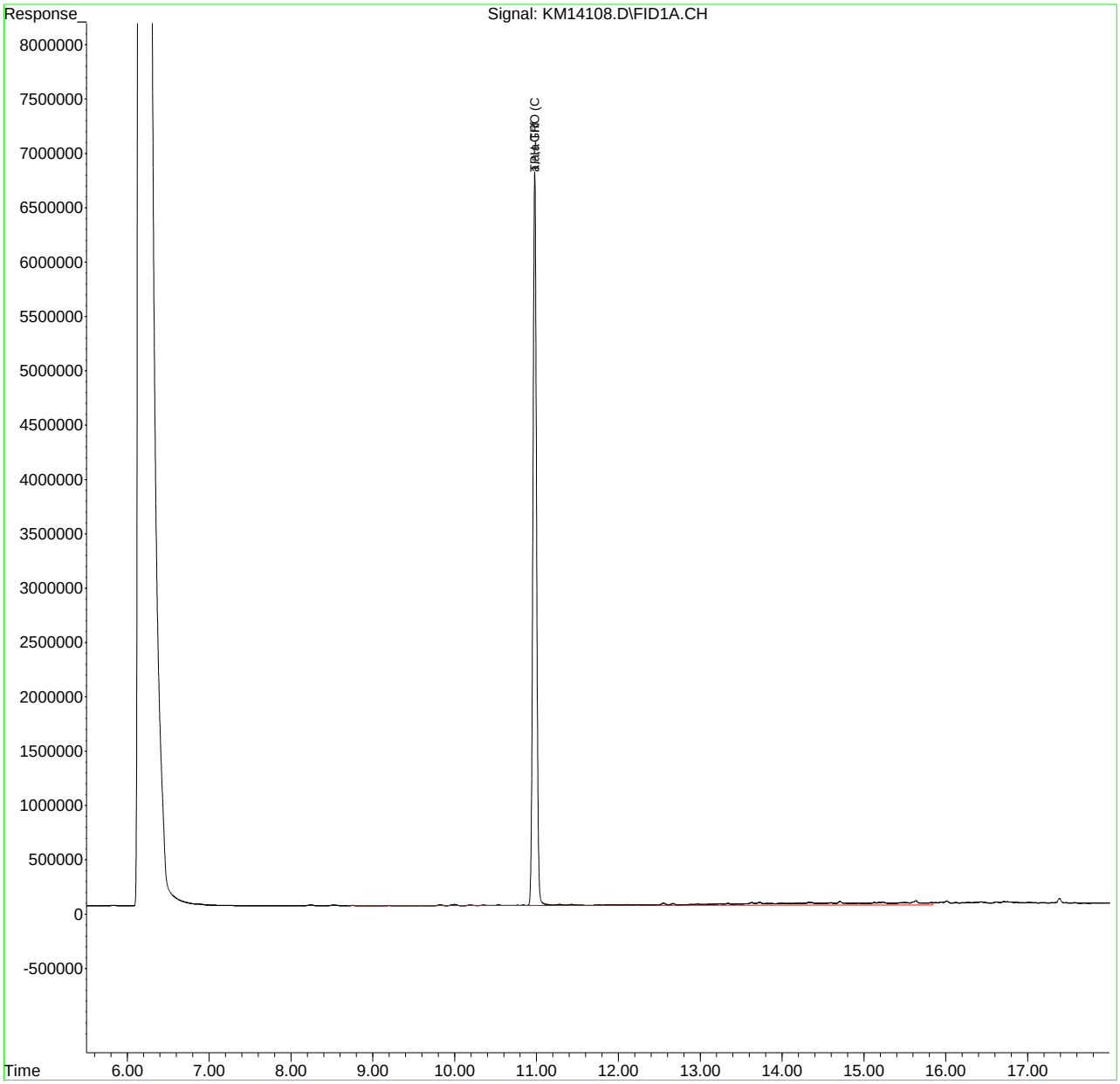
(f)=RT Delta > 1/2 Window (m)=manual int.

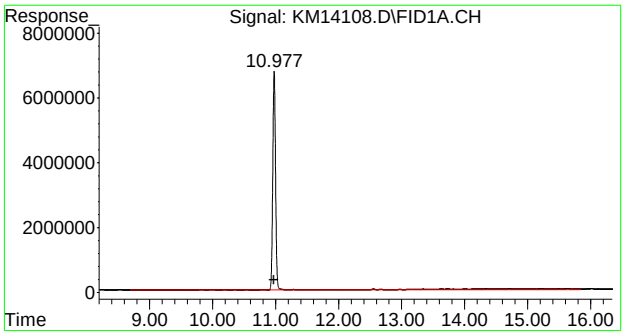
Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\braianc\2025\10. October\14102025\GKM591\
Data File : KM14108.D
Signal(s) : FID1A.CH
Acq On : 13 Oct 2025 5:15 pm
Operator : johnn
Sample : mb2
Misc : GC65370,GKM591,5.0,,,,1
ALS Vial : 15 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 14 19:11:47 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um





#2 TPH-GRO (C6-C12)

R.T.:	10.970 min
Delta R.T.:	0.000 min
Response:	38117486
Conc:	115.37 ug/l

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\lotusa\Oct-2025\10-15\GKM593\
Data File : KM14146.D
Signal(s) : FID1A.CH
Acq On : 14 Oct 2025 11:57 am
Operator : johnn
Sample : mb
Misc : GC65359,GKM593,5.0,,,,1
ALS Vial : 5 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 15 14:46:22 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) S a,a,a-Trifluorotoluene	10.978	207100627	260.757 ug/l
Spiked Amount 300.000	Range 70 - 116	Recovery = 86.92%	
Target Compounds			
1) H TPH-GRO (C6-C10)	10.970	32367635	84.204 ug/l
2) H TPH-GRO (C6-C12)	10.970	43342494	131.185 ug/l

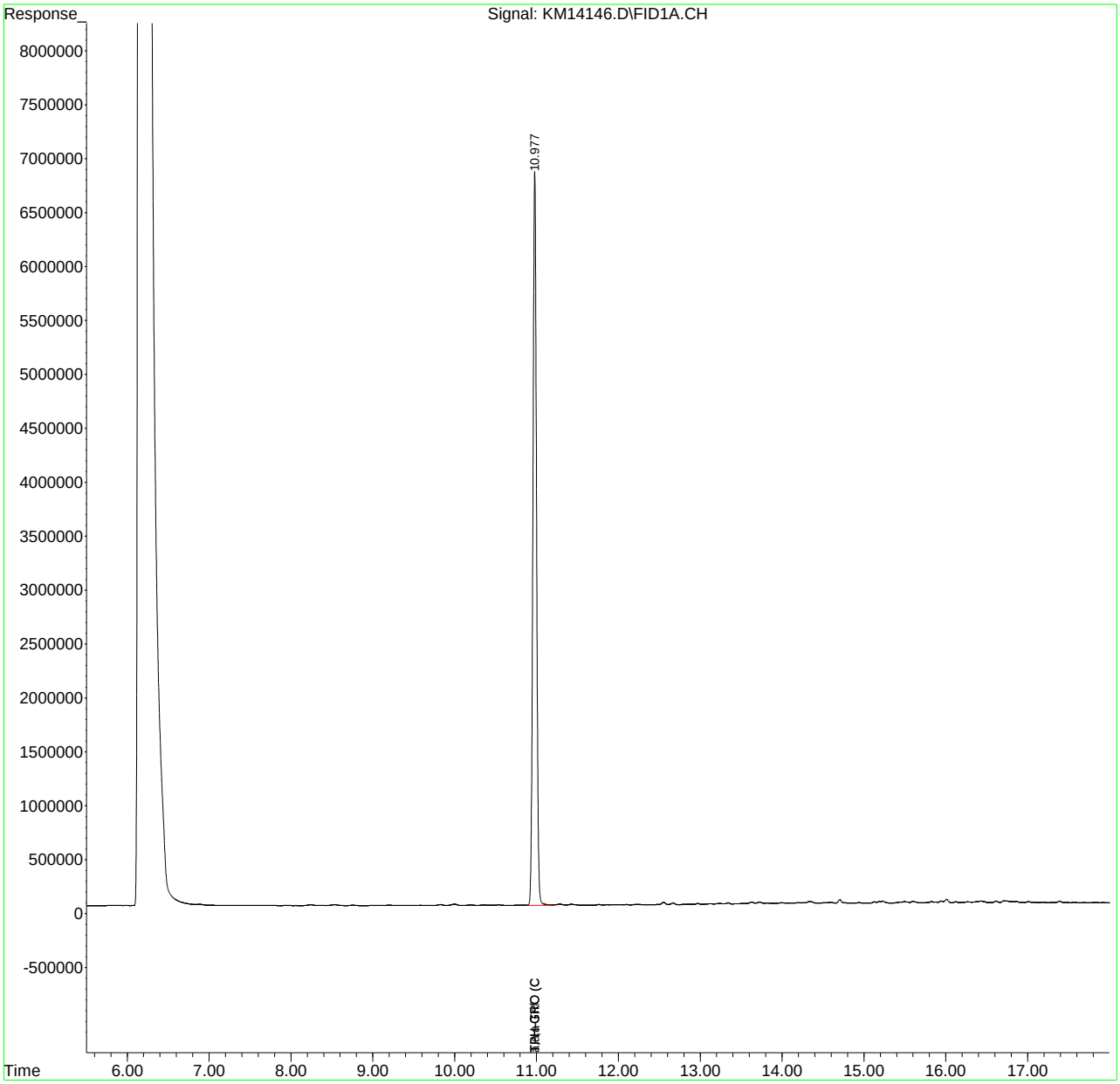
(f)=RT Delta > 1/2 Window (m)=manual int.

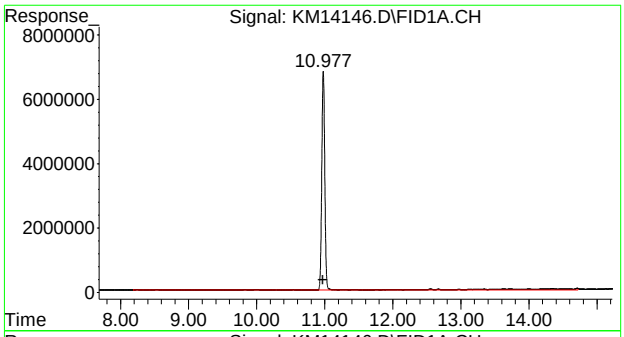
Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\lotusa\Oct-2025\10-15\GKM593\
Data File : KM14146.D
Signal(s) : FID1A.CH
Acq On : 14 Oct 2025 11:57 am
Operator : johnn
Sample : mb
Misc : GC65359,GKM593,5.0,,,,1
ALS Vial : 5 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 15 14:46:22 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

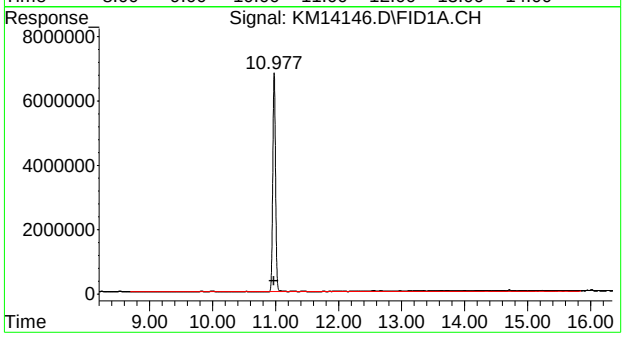
Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um





#1 TPH-GRO (C6-C10)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 32367635
Conc: 84.20 ug/l



#2 TPH-GRO (C6-C12)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 43342494
Conc: 131.18 ug/l

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Oct 2025\10-22-25\GKM598\
Data File : KM14255.D
Signal(s) : FID1A.CH
Acq On : 21 Oct 2025 11:30 am
Operator : johnn
Sample : mb
Misc : GC65400,GKM598,5.0,,,,1
ALS Vial : 5 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 22 06:54:38 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) S a,a,a-Trifluorotoluene	10.980	205729486	259.030 ug/l
Spiked Amount 300.000	Range 70 - 116	Recovery = 86.34%	
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

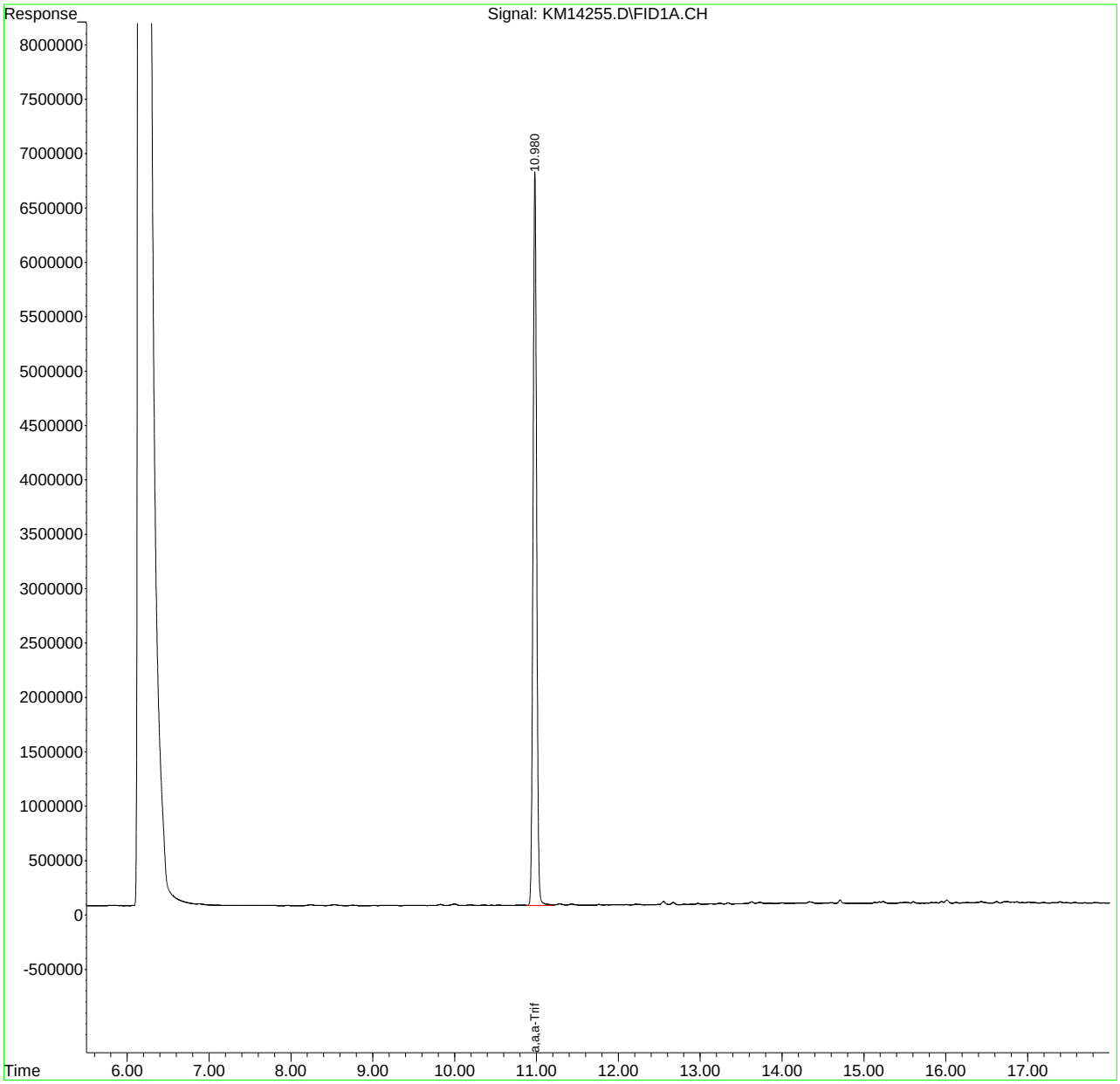
11.2.3 11

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Oct 2025\10-22-25\GKM598\
Data File : KM14255.D
Signal(s) : FID1A.CH
Acq On : 21 Oct 2025 11:30 am
Operator : johnn
Sample : mb
Misc : GC65400,GKM598,5.0,,,,1
ALS Vial : 5 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 22 06:54:38 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\braianc\2025\10. October\14102025\GKM591\
Data File : KM14098.D
Signal(s) : FID1A.CH
Acq On : 13 Oct 2025 11:41 am
Operator : johnn
Sample : mb
Misc : GC65370,GKM591,5.0,,,,1
ALS Vial : 5 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 14 19:10:50 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) S a,a,a-Trifluorotoluene	10.979	204533954	257.525 ug/l
Spiked Amount 300.000	Range 70 - 116	Recovery = 85.84%	
Target Compounds			
2) H TPH-GRO (C6-C12)	10.970	42191720	127.702 ug/l

(f)=RT Delta > 1/2 Window (m)=manual int.

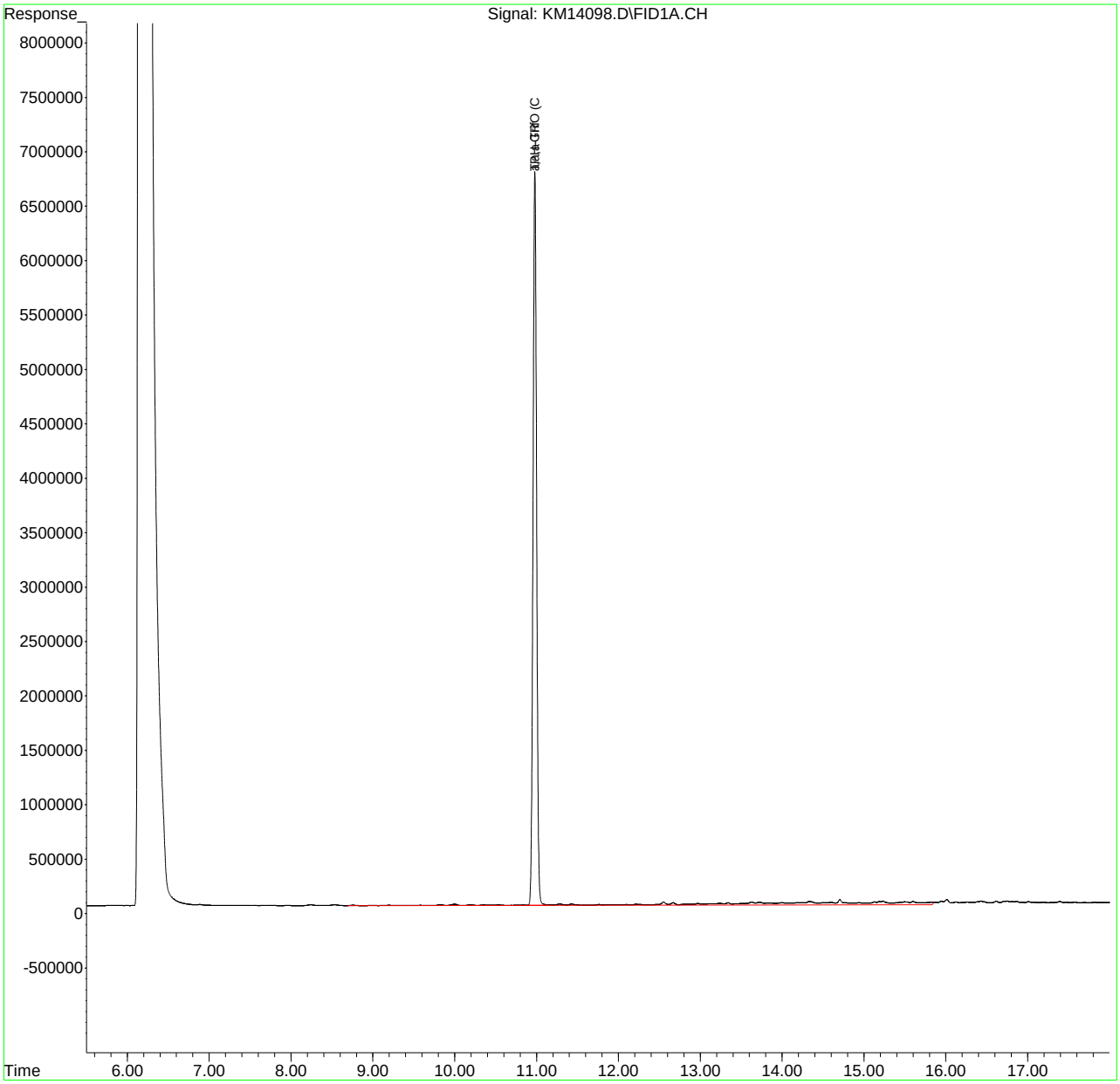
11.2.4 11

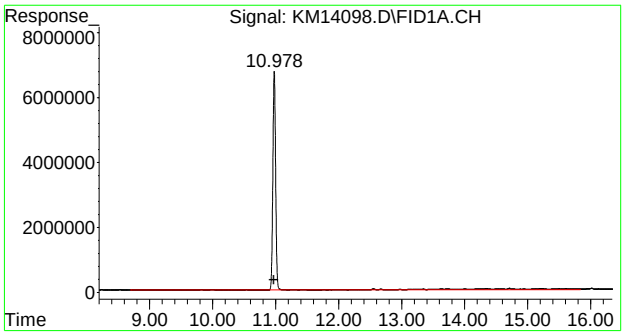
Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\braianc\2025\10. October\14102025\GKM591\
Data File : KM14098.D
Signal(s) : FID1A.CH
Acq On : 13 Oct 2025 11:41 am
Operator : johnn
Sample : mb
Misc : GC65370,GKM591,5.0,,,,1
ALS Vial : 5 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 14 19:10:50 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um





#2 TPH-GRO (C6-C12)

R.T.:	10.970 min
Delta R.T.:	0.000 min
Response:	42191720
Conc:	127.70 ug/l

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 10/22/25 20:39

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118141.d
Signal(s) : FID1A.ch
Acq On : 22 Oct 2025 6:36 am
Operator : williamc
Sample : mb
Misc : GC65408,GAA3393,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 22 06:53:36 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df

	Compound	R.T.	Response	Conc Units
Target Compounds				
1)	Methane	1.321f	4668	0.285 PPMV m

(f)=RT Delta > 1/2 Window (m)=manual int.

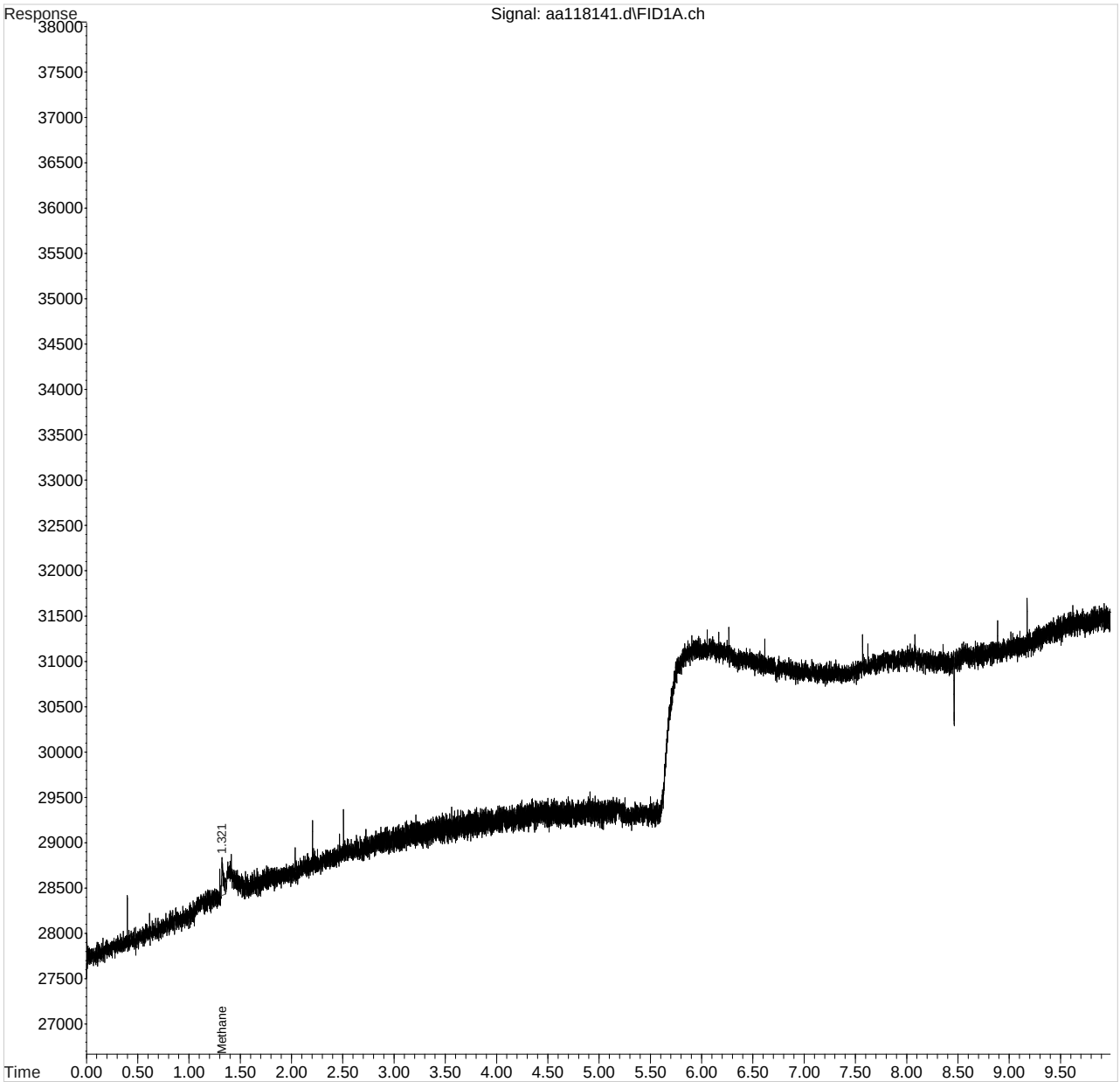
11.2.6 11

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118141.d
Signal(s) : FID1A.ch
Acq On : 22 Oct 2025 6:36 am
Operator : williamc
Sample : mb
Misc : GC65408,GAA3393,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 22 06:53:36 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



Manual Integration Approval Summary

Sample Number: GAA3393-MB
Lab FileID: AA118141.D
Injection Time: 10/22/25 06:36
Method: RSK-175
Analyst approved: 10/22/25 17:26 William Cruser
Supervisor approved: 10/22/25 20:39 Kanya Veerawat

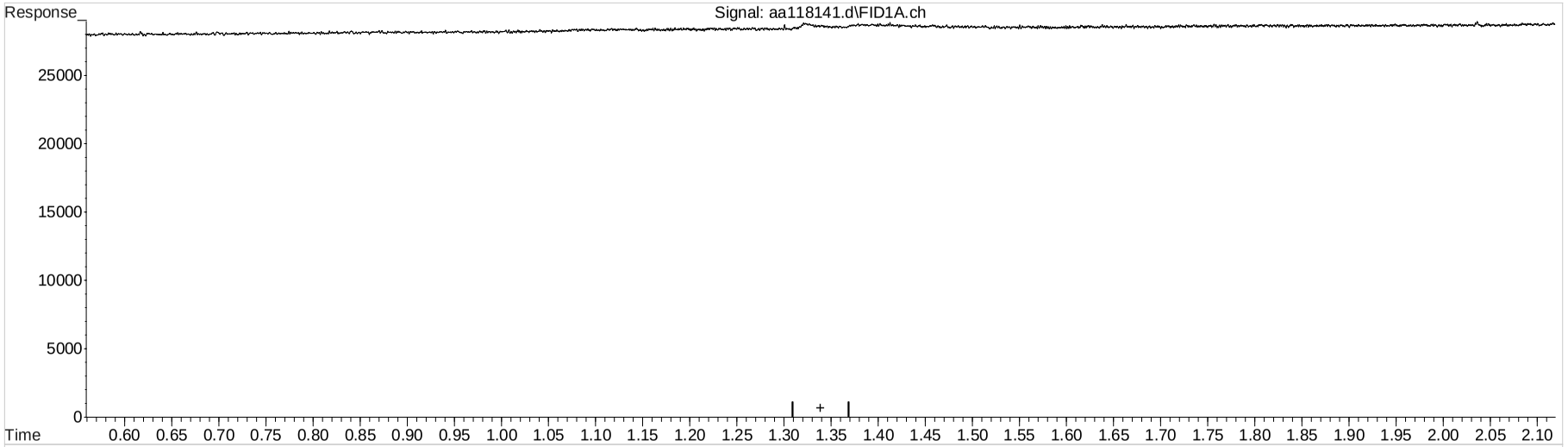
Parameter	CAS	Sig#	R.T. (min.)	Reason
Methane	74-82-8	1	1.32	Missed peak

Quantitation Report (Qedit)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118141.d
Signal(s) : FID1A.ch
Acq On : 22 Oct 2025 6:36 am
Operator : williamc
Sample : mb
Misc : GC65408,GAA3393,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 22 06:46:55 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



(1) Methane
1.339min 0.000PPMV
response 0

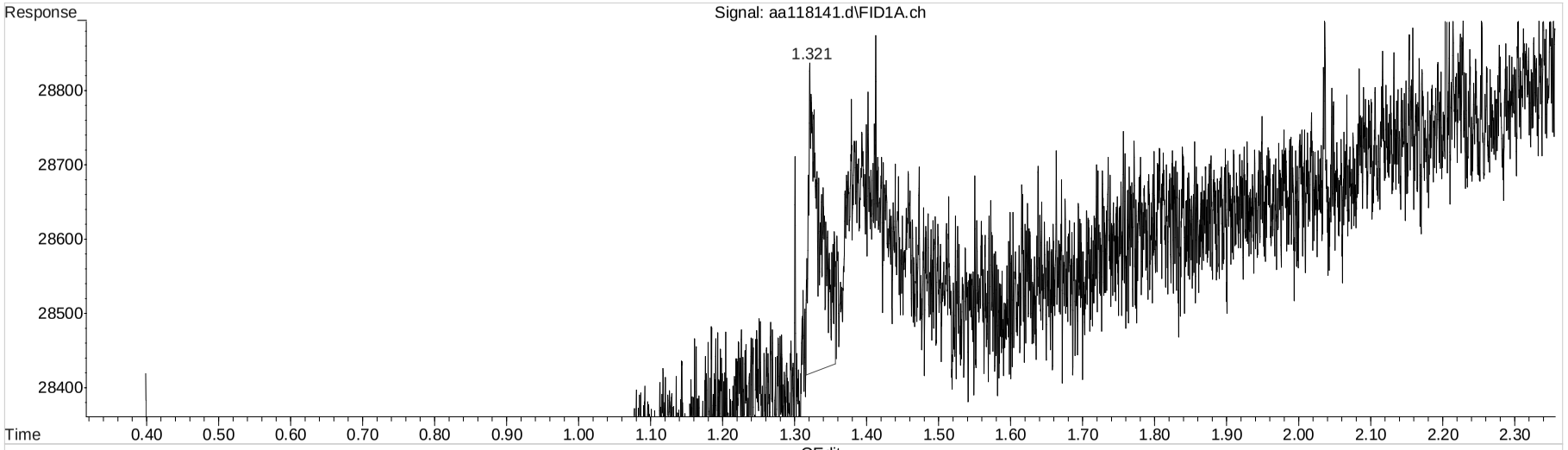
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118141.d
Signal(s) : FID1A.ch
Acq On : 22 Oct 2025 6:36 am
Operator : williamc
Sample : mb
Misc : GC65408,GAA3393,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 22 06:46:55 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



(1) Methane
1.321min 0.285PPMV m
response 4668

(+) = Expected Retention Time
AA3333.M Wed Oct 22 06:53:40 2025 AA

Dissolved Gas Calculation Worksheet

Data File Name **aa118141.d**
Date Acquired **10/22/2025 6:36**
Sample Name **mb**
Sample Multiplier **1**
Temperature(C) **24**
Headspace Vol. (cc) **5**
Sample Vol(cc) **38**

Compound	MW	Molar Volume(L)	Water g-moles/L	Temp K	Corrected Gas dens.	Peak Area	Helium Blank	Headspace (ppmv)*	Headspace (ug/l)	Water (ug/l)	Henry's Constant	Saturation Conc.(ug/l)	Total (ug/L)	MDL (ug/l)	Report (ug/l)
METHANE	16	22.4	55.5	297	24.37	4667.969	4647	0.00	0.00	0.00	40560	0.000	0.00	0.08	**ND**
ETHANE	30	22.4	55.5	297	24.37	0	0	#DIV/0!	#DIV/0!	#DIV/0!	29420	#DIV/0!	#DIV/0!	0.14	**#DIV/0!**
ETHYLENE	28	22.4	55.5	297	24.29	0	0	#DIV/0!	#DIV/0!	#DIV/0!	11160	#DIV/0!	#DIV/0!	0.16	**#DIV/0!**
PROPANE	44	22.4	55.5	297	24.29	0	0	#DIV/0!	#DIV/0!	#DIV/0!	35857	#DIV/0!	#DIV/0!	0.07	**#DIV/0!**

*** ppmv is corrected for helium blank background peak area**

Definitions,

Molar Volume	The volume of 1 mole of any gas at standard temperature and pressure(STP)
Water g/Moles	1 Liter of water is equal to 55.5g-moles
Temp-kelvin	Is defined as 273 + degress C
Corrected Gas Density	Gas density corrected for temperature is equal to (molar volume) x (temp-k/273)
Headspace conc(ug/l)	Is equal to (ppmv reading) x (mw/corrected gas density)
Water Concentration(ug/l)	Is equal to headspace conc(ug/l) x headspace vol/sample vol
Saturation Concentration(ug/l)	Gas which remains at equilibrium in the sample is equal to (headspace conc-ppm) x (mw) x (55.5)/(Henry's Constant)

Henry's Constants

temp-c	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43460	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Oxygen	40100	40840	41580	42320	43060	43800	44540	45280	46020	46760	47500
CO	52600	53680	54760	55840	56920	58000	58800	59600	60400	61200	62000
CO2	14200	14640	15080	15520	15960	16400	16840	17280	17720	18160	18600
Nitrogen	80400	81620	82840	84060	85280	86500	87680	88860	90040	91220	92400
Hydrogen	68300	68780	69260	69740	70220	70700	71140	71580	72020	72460	72900
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\braianc\2025\10. October\14102025\GKM591\
Data File : KM14099.D
Signal(s) : FID1A.CH
Acq On : 13 Oct 2025 12:50 pm
Operator : johnn
Sample : bs
Misc : GC65370,GKM591,5.0,,,,1
ALS Vial : 6 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 14 19:02:25 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) S a,a,a-Trifluorotoluene	10.978	231101841	290.976 ug/l
Spiked Amount 300.000	Range 70 - 116	Recovery = 96.99%	
Target Compounds			
1) H TPH-GRO (C6-C10)	10.970	3184889345	8285.487 ug/l
2) H TPH-GRO (C6-C12)	10.970	3090787335	9354.891 ug/l

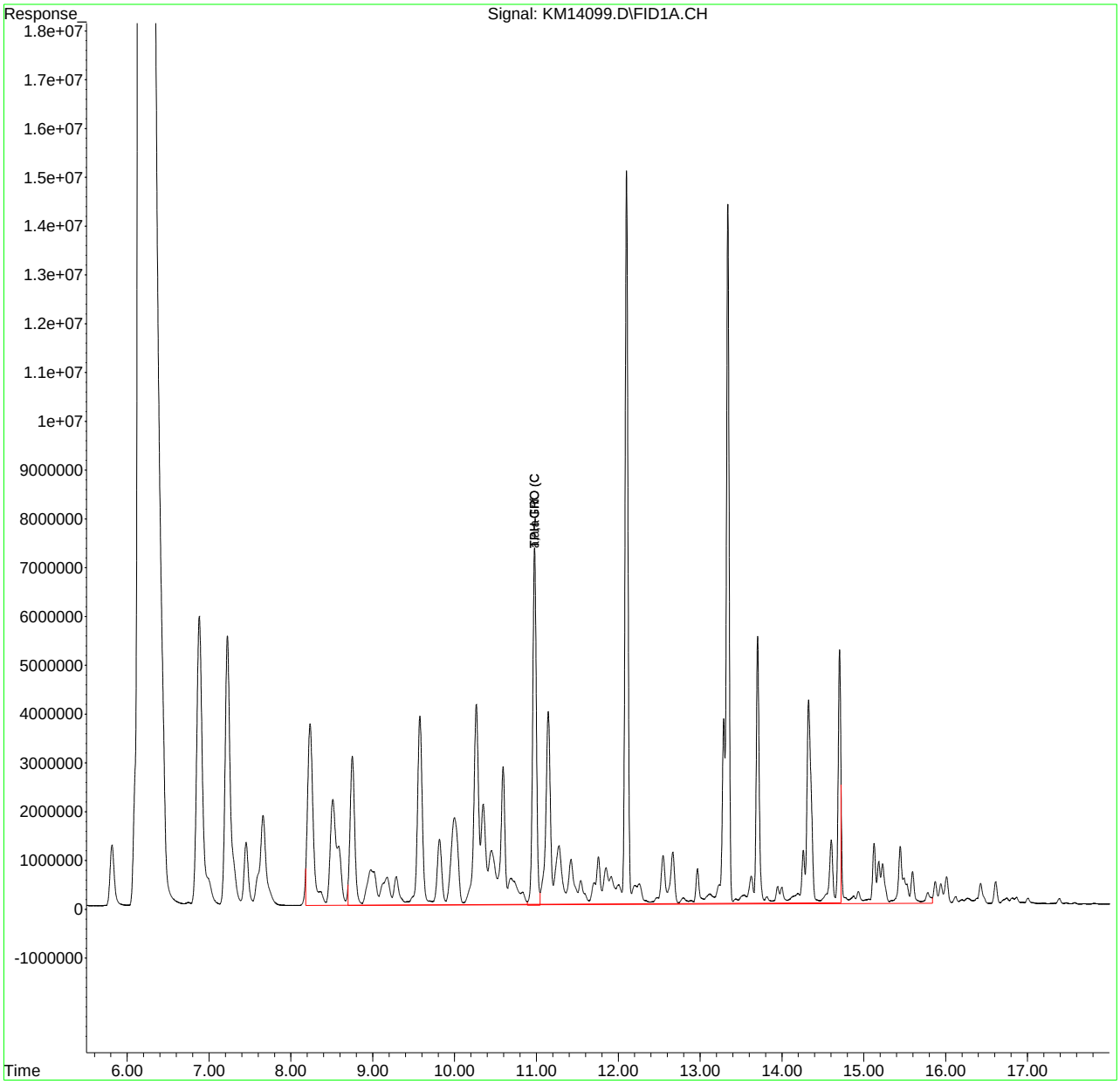
(f)=RT Delta > 1/2 Window (m)=manual int.

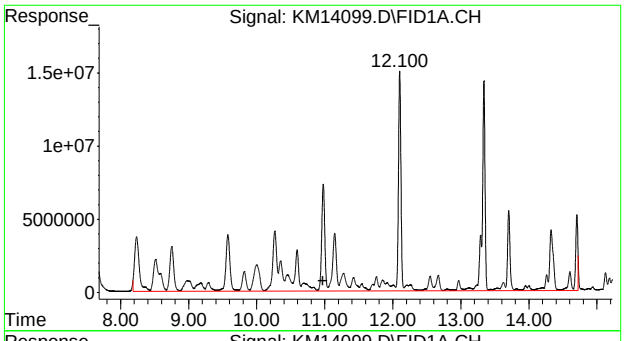
Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\braianc\2025\10. October\14102025\GKM591\
Data File : KM14099.D
Signal(s) : FID1A.CH
Acq On : 13 Oct 2025 12:50 pm
Operator : johnn
Sample : bs
Misc : GC65370,GKM591,5.0,,,,1
ALS Vial : 6 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 14 19:02:25 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

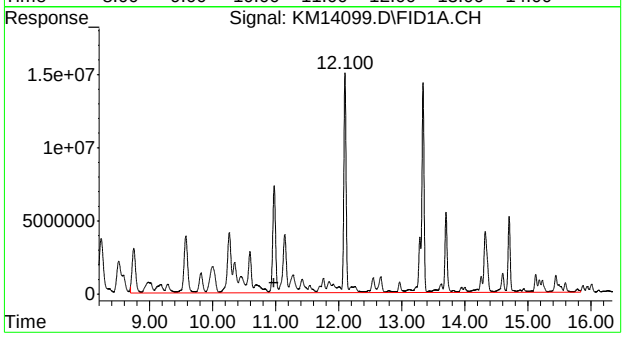
Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um





#1 TPH-GRO (C6-C10)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 3184889345
Conc: 8285.49 ug/l



#2 TPH-GRO (C6-C12)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 3090787335
Conc: 9354.89 ug/l

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\braianc\2025\10. October\14102025\GKM591\
Data File : KM14100.D
Signal(s) : FID1A.CH
Acq On : 13 Oct 2025 1:15 pm
Operator : johnn
Sample : bsd
Misc : GC65370,GKM591,5.0,,,,1
ALS Vial : 7 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 14 19:02:31 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) S a,a,a-Trifluorotoluene	10.977	230232926	289.882 ug/l
Spiked Amount 300.000	Range 70 - 116	Recovery = 96.63%	
Target Compounds			
1) H TPH-GRO (C6-C10)	10.970	3237487868	8422.322 ug/l
2) H TPH-GRO (C6-C12)	10.970	3110010941	9413.075 ug/l

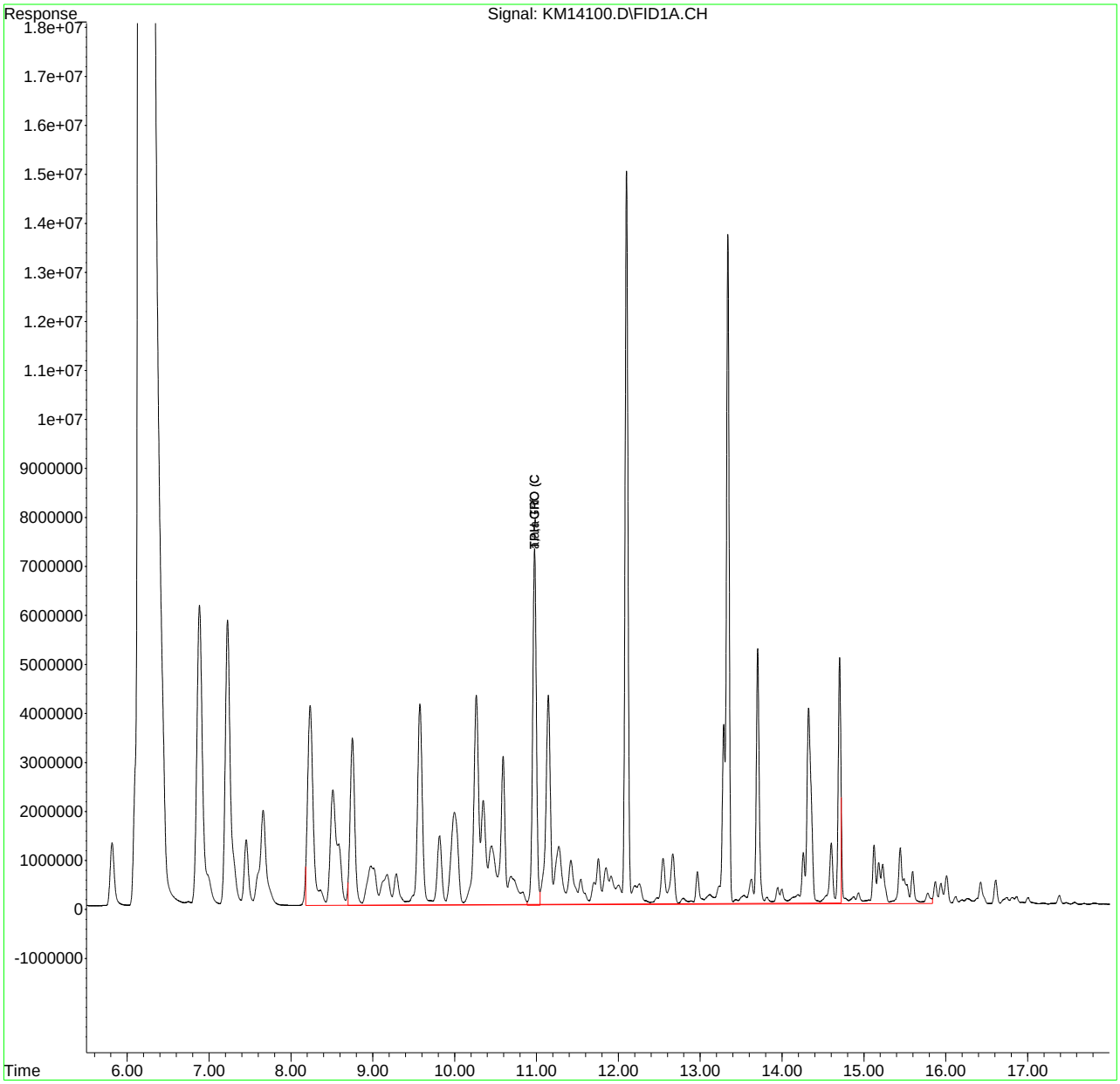
(f)=RT Delta > 1/2 Window (m)=manual int.

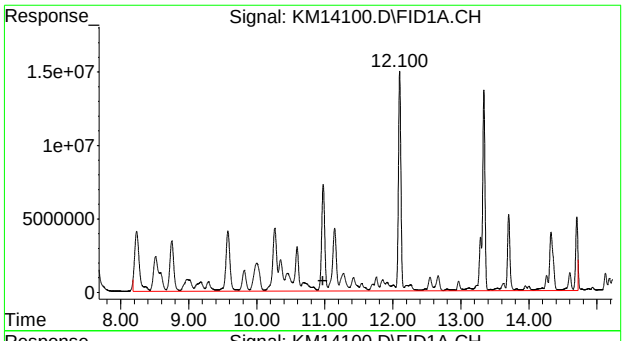
Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\braianc\2025\10. October\14102025\GKM591\
Data File : KM14100.D
Signal(s) : FID1A.CH
Acq On : 13 Oct 2025 1:15 pm
Operator : johnn
Sample : bsd
Misc : GC65370,GKM591,5.0,,,,1
ALS Vial : 7 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 14 19:02:31 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

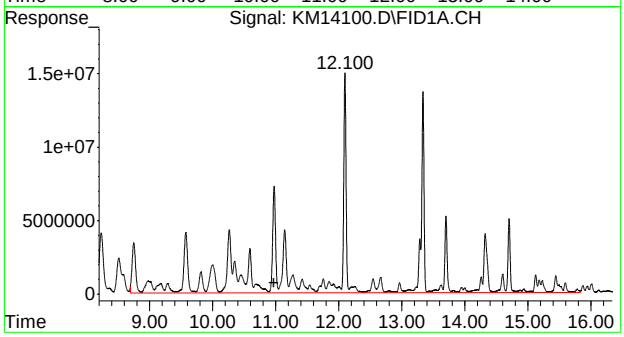
Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um





#1 TPH-GRO (C6-C10)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 3237487868
Conc: 8422.32 ug/l



#2 TPH-GRO (C6-C12)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 3110010941
Conc: 9413.08 ug/l

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\lotusa\Oct-2025\10-15\GKM593\
Data File : KM14147.D
Signal(s) : FID1A.CH
Acq On : 14 Oct 2025 12:36 pm
Operator : johnn
Sample : bs
Misc : GC65359,GKM593,5.0,,,,1
ALS Vial : 6 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 15 14:46:25 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) S a,a,a-Trifluorotoluene	10.977	237618708	299.181 ug/l
Spiked Amount 300.000	Range 70 - 116	Recovery = 99.73%	
Target Compounds			
1) H TPH-GRO (C6-C10)	10.970	3396962703	8837.195 ug/l
2) H TPH-GRO (C6-C12)	10.970	3258901354	9863.722 ug/l

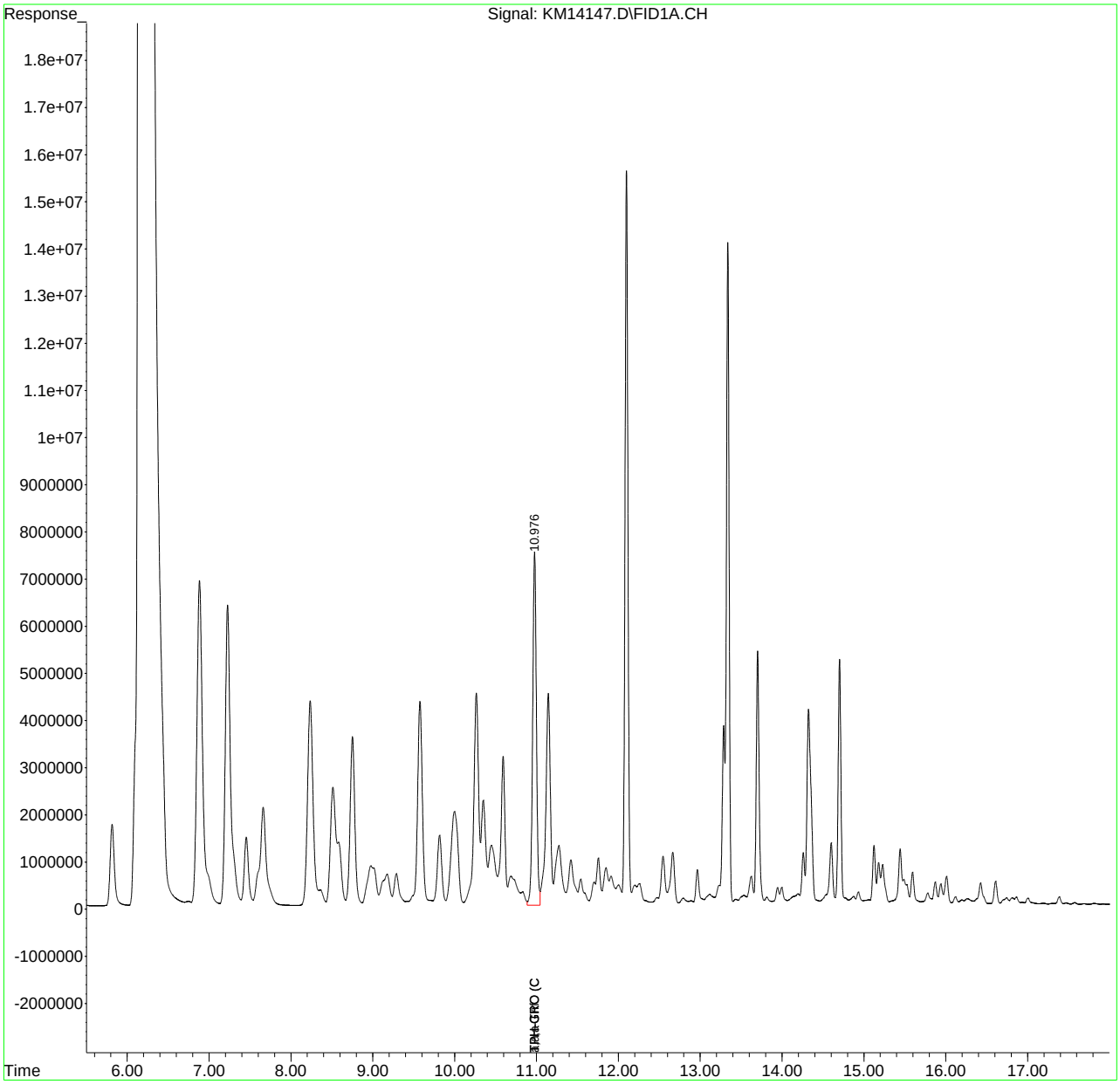
(f)=RT Delta > 1/2 Window (m)=manual int.

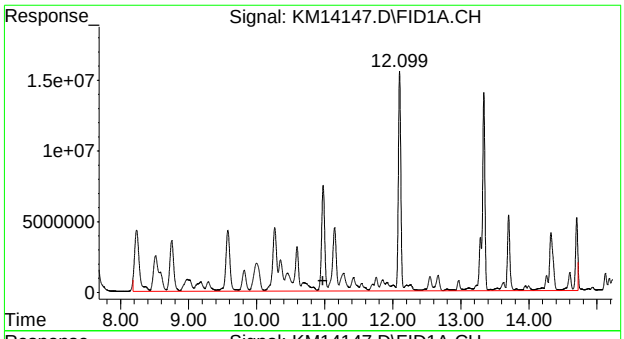
Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\lotusa\Oct-2025\10-15\GKM593\
Data File : KM14147.D
Signal(s) : FID1A.CH
Acq On : 14 Oct 2025 12:36 pm
Operator : johnn
Sample : bs
Misc : GC65359,GKM593,5.0,,,,1
ALS Vial : 6 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 15 14:46:25 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

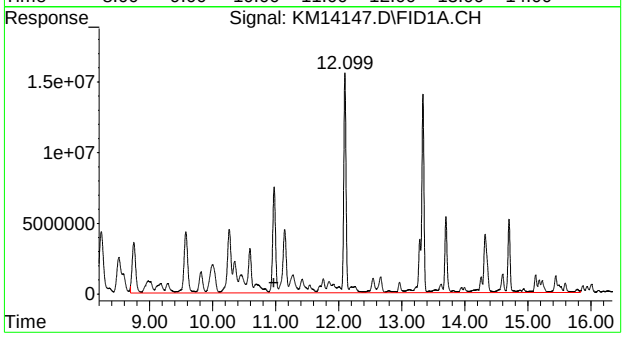
Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um





#1 TPH-GRO (C6-C10)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 3396962703
Conc: 8837.20 ug/l



#2 TPH-GRO (C6-C12)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 3258901354
Conc: 9863.72 ug/l

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Oct 2025\10-22-25\GKM598\
Data File : KM14256.D
Signal(s) : FID1A.CH
Acq On : 21 Oct 2025 12:04 pm
Operator : johnn
Sample : bs
Misc : GC65400,GKM598,5.0,,,,1
ALS Vial : 6 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 22 06:49:12 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) S a,a,a-Trifluorotoluene	10.979	228590838	287.814 ug/l
Spiked Amount 300.000	Range 70 - 116	Recovery = 95.94%	
Target Compounds			
1) H TPH-GRO (C6-C10)	10.970	3247333205	8447.934 ug/l
2) H TPH-GRO (C6-C12)	10.970	3114434627	9426.464 ug/l

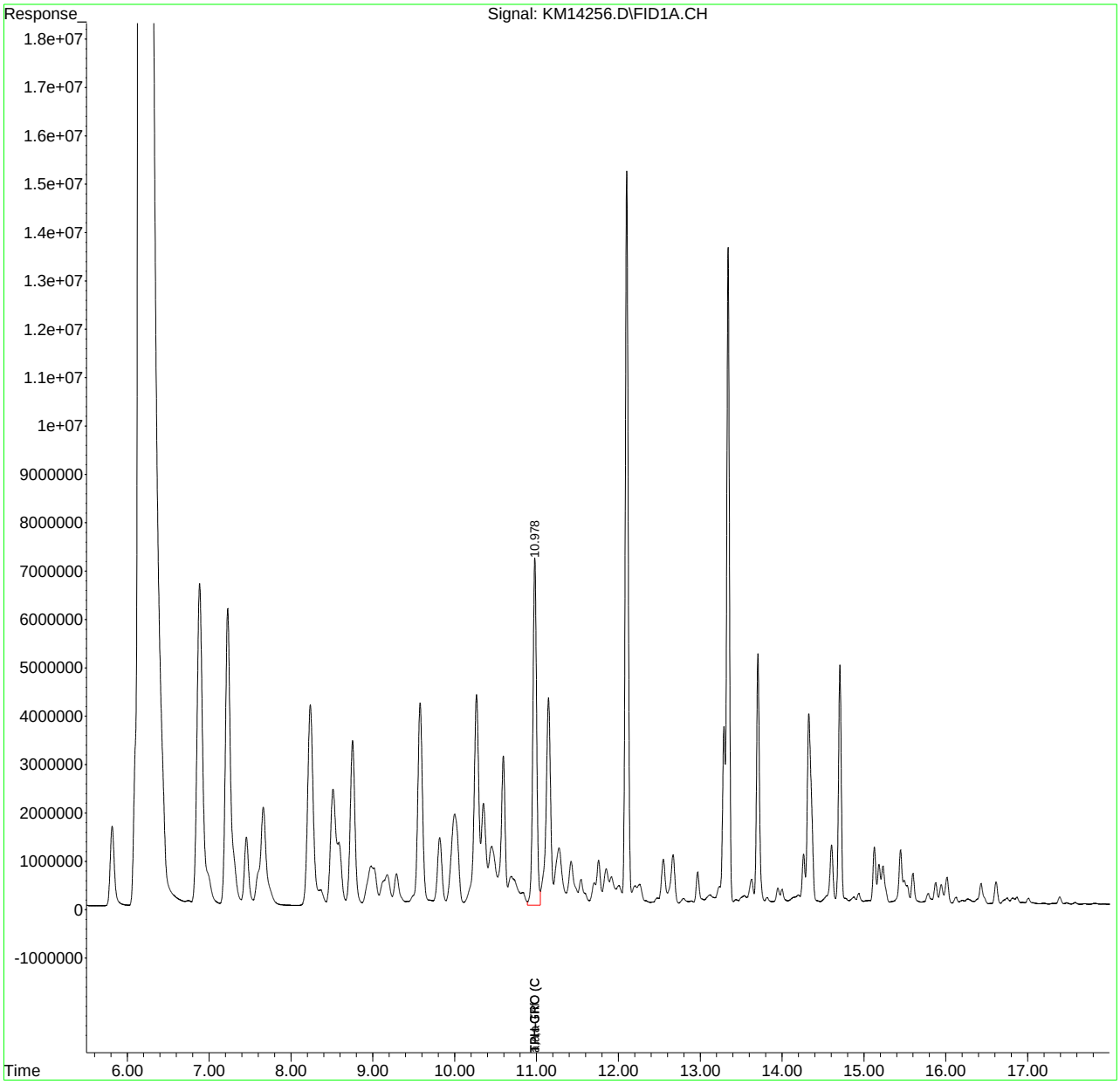
(f)=RT Delta > 1/2 Window (m)=manual int.

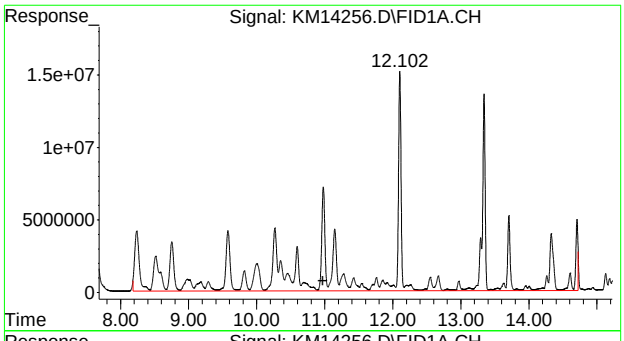
Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Oct 2025\10-22-25\GKM598\
Data File : KM14256.D
Signal(s) : FID1A.CH
Acq On : 21 Oct 2025 12:04 pm
Operator : johnn
Sample : bs
Misc : GC65400,GKM598,5.0,,,,1
ALS Vial : 6 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 22 06:49:12 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

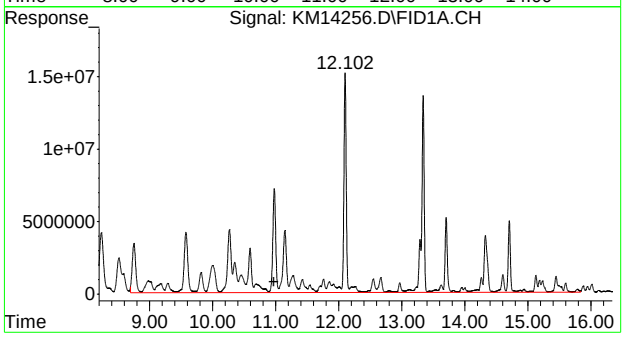
Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um





#1 TPH-GRO (C6-C10)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 3247333205
Conc: 8447.93 ug/l



#2 TPH-GRO (C6-C12)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 3114434627
Conc: 9426.46 ug/l

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118180.d
Signal(s) : FID1A.ch
Acq On : 22 Oct 2025 4:38 pm
Operator : williamc
Sample : lcs
Misc : GC65392,GAA3393,,,,,1
ALS Vial : 42 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 22 16:48:53 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df

	Compound	R.T.	Response	Conc Units
Target Compounds				
1)	Methane	1.338	1485214	90.609 PPMV
2)	Ethane	1.738	2857127	92.041 PPMV
3)	Ethene	2.412	2861010	91.583 PPMV
4)	Propane	2.841	4048978	85.234 PPMV

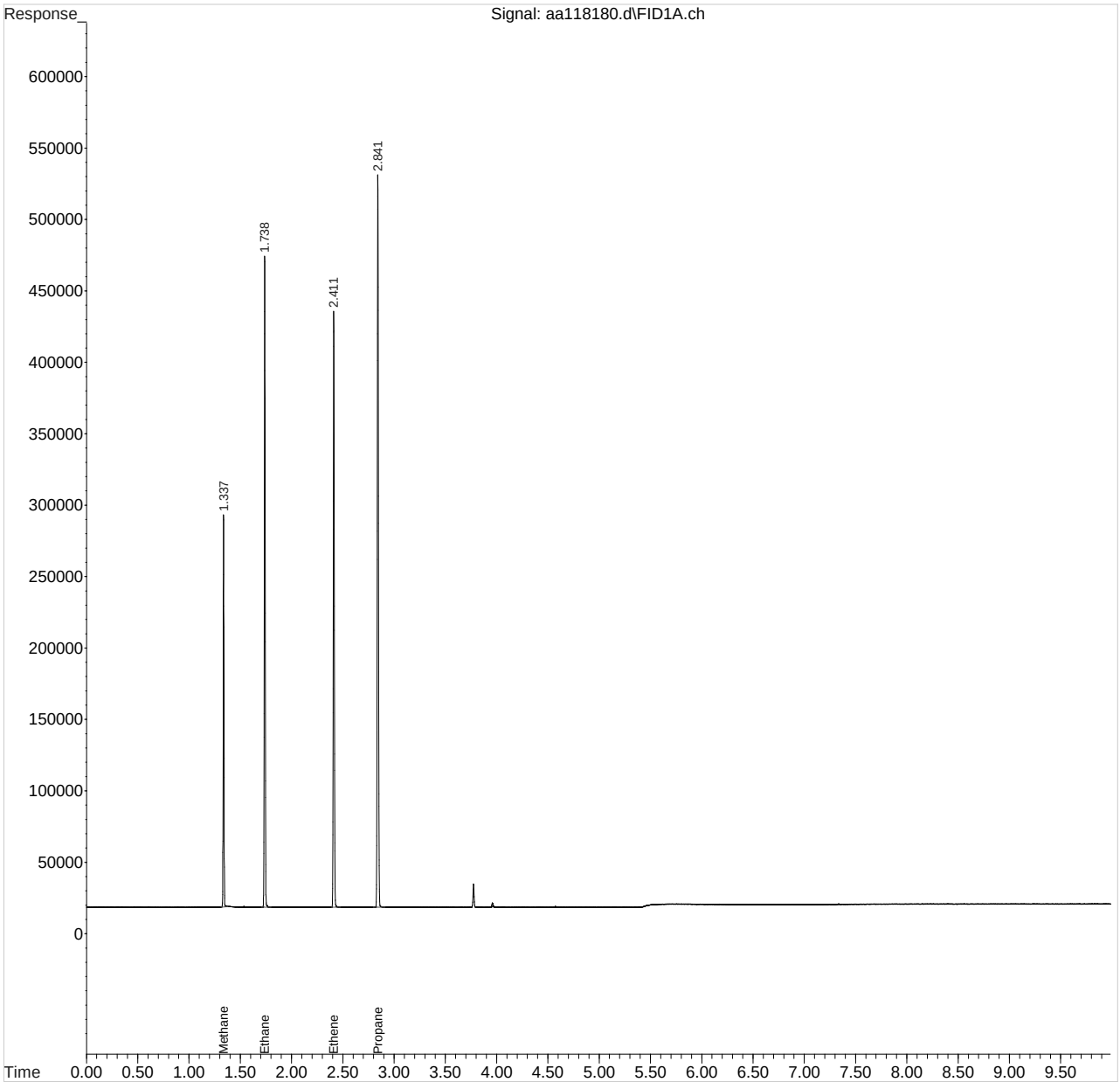
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118180.d
Signal(s) : FID1A.ch
Acq On : 22 Oct 2025 4:38 pm
Operator : williamc
Sample : lcs
Misc : GC65392,GAA3393,,,,,1
ALS Vial : 42 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 22 16:48:53 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



Dissolved Gas Calculation Worksheet

Data File Name **aa118180.d**
Date Acquired **10/22/2025 16:38**
Sample Name **lcs**
Sample Multiplier **1**
Temperature(C) **24**
Headspace Vol. (cc) **5**
Sample Vol(cc) **38**

Compound	MW	Molar Volume(L)	Water g-moles/L	Temp K	Corrected Gas dens.	Peak Area	Helium Blank	Headspace (ppmv)*	Headspace (ug/l)	Water (ug/l)	Henry's Constant	Saturation Conc.(ug/l)	Total (ug/L)	MDL (ug/l)	Report (ug/l)
METHANE	16	22.4	55.5	297	24.37	1485214	0	90.61	59.49	7.83	40560	1.984	9.81	0.08	**9.81**
ETHANE	30	22.4	55.5	297	24.37	2857127	0	92.04	113.31	14.91	29420	5.209	20.118	0.14	**20.118**
ETHYLENE	28	22.4	55.5	297	24.29	2861010	0	91.58	105.23	13.85	11160	12.753	26.599	0.16	**26.599**
PROPANE	44	22.4	55.5	297	24.29	4048978	0	85.23	153.90	20.25	35857	5.805	26.054	0.07	**26.054**

*** ppmv is corrected for helium blank background peak area**

Definitions,

Molar Volume	**The volume of 1 mole of any gas at standard temperature and pressure(STP)**
Water g/Moles	**1 Liter of water is equal to 55.5g-moles**
Temp-kelvin	**Is defined as 273 + degress C**
Corrected Gas Density	**Gas density corrected for temperature is equal to (molar volume) x (temp-k/273)**
Headspace conc(ug/l)	**Is equal to (ppmv reading) x (mw/corrected gas density)**
Water Concentration(ug/l)	**Is equal to headspace conc(ug/l) x headspace vol/sample vol**
Saturation Concentration(ug/l)	**Gas which remains at equilibrium in the sample is equal to (headspace conc-ppm) x (mw) x (55.5)/(Henry's Constant)**

Henry's Constants

temp-c	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43460	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Oxygen	40100	40840	41580	42320	43060	43800	44540	45280	46020	46760	47500
CO	52600	53680	54760	55840	56920	58000	58800	59600	60400	61200	62000
CO2	14200	14640	15080	15520	15960	16400	16840	17280	17720	18160	18600
Nitrogen	80400	81620	82840	84060	85280	86500	87680	88860	90040	91220	92400
Hydrogen	68300	68780	69260	69740	70220	70700	71140	71580	72020	72460	72900
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\braianc\2025\10. October\14102025\GKM591\
Data File : KM14106.D
Signal(s) : FID1A.CH
Acq On : 13 Oct 2025 4:16 pm
Operator : johnn
Sample : je20921-2ms
Misc : GC65370,GKM591,5.0,,,,1
ALS Vial : 13 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 14 19:02:52 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) S a,a,a-Trifluorotoluene	10.977	239007660	300.930 ug/l
Spiked Amount 300.000	Range 70 - 116	Recovery = 100.31%	
Target Compounds			
1) H TPH-GRO (C6-C10)	10.970	3222938746	8384.472 ug/l
2) H TPH-GRO (C6-C12)	10.970	2875600853	8703.586 ug/l

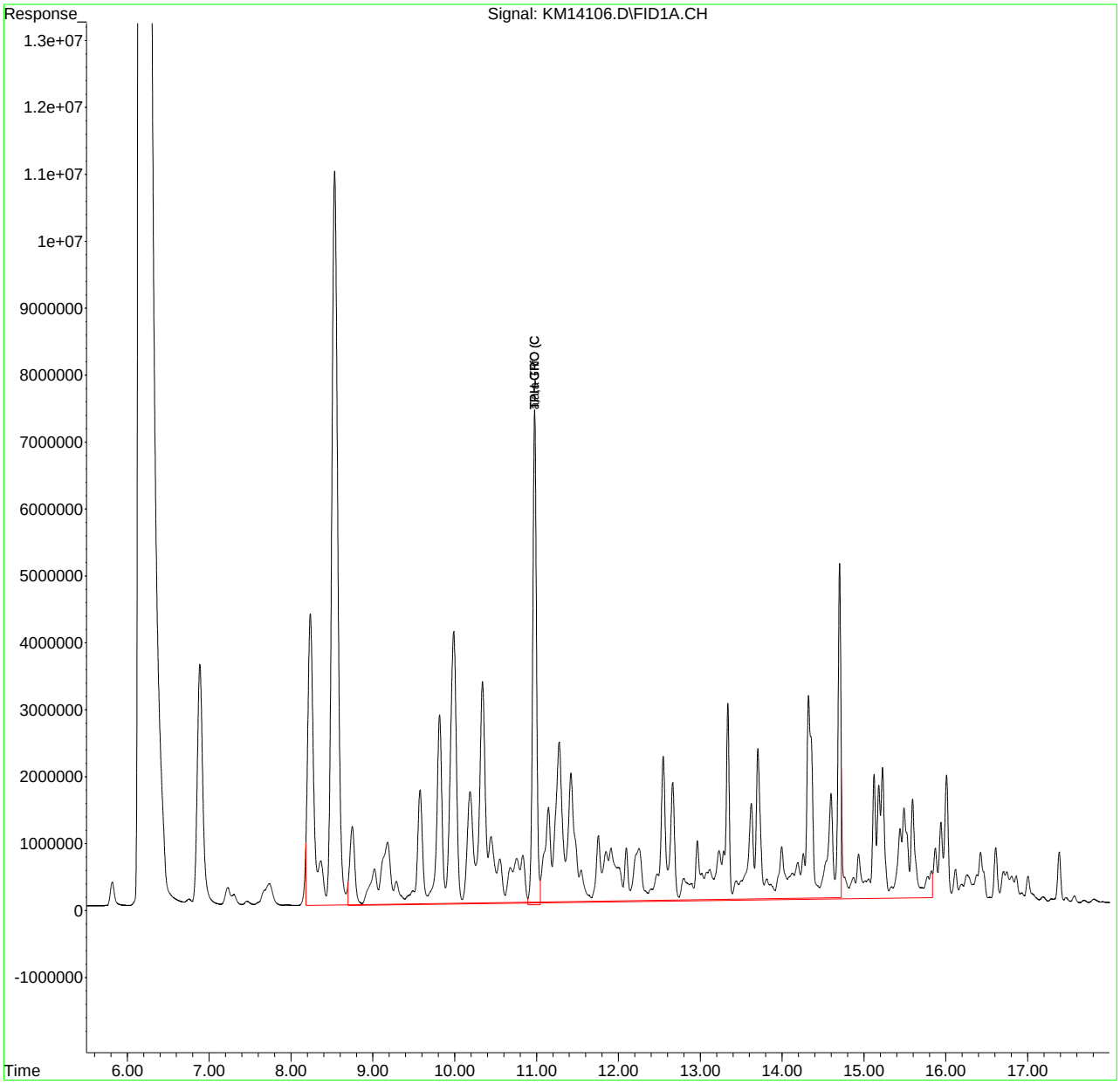
(f)=RT Delta > 1/2 Window (m)=manual int.

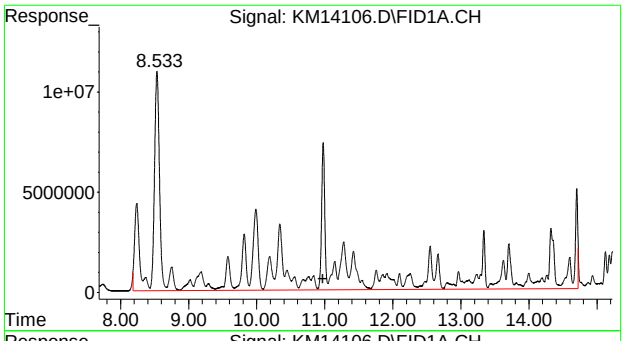
Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\braianc\2025\10. October\14102025\GKM591\
Data File : KM14106.D
Signal(s) : FID1A.CH
Acq On : 13 Oct 2025 4:16 pm
Operator : johnn
Sample : je20921-2ms
Misc : GC65370,GKM591,5.0,,,,1
ALS Vial : 13 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 14 19:02:52 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

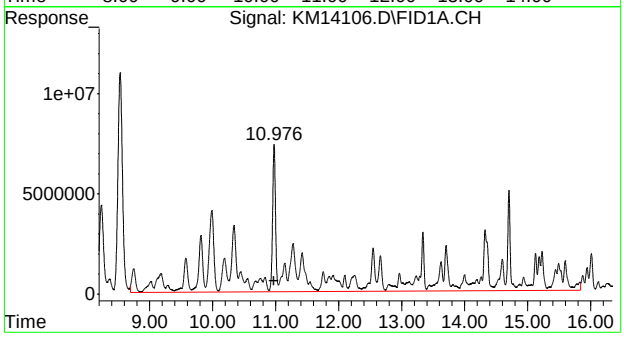
Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um





#1 TPH-GRO (C6-C10)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 3222938746
Conc: 8384.47 ug/l



#2 TPH-GRO (C6-C12)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 2875600853
Conc: 8703.59 ug/l

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\lotusa\Oct-2025\10-15\GKM593\
Data File : KM14154.D
Signal(s) : FID1A.CH
Acq On : 14 Oct 2025 4:54 pm
Operator : johnn
Sample : je20971-1ms
Misc : GC65378,GKM593,5.0,,,,1
ALS Vial : 13 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 15 14:46:54 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) S a,a,a-Trifluorotoluene	10.978	242906035	305.838 ug/l
Spiked Amount 300.000	Range 70 - 116	Recovery = 101.95%	
Target Compounds			
1) H TPH-GRO (C6-C10)	10.970	3806076034	9901.503 ug/l
2) H TPH-GRO (C6-C12)	10.970	3552536638	10752.468 ug/l

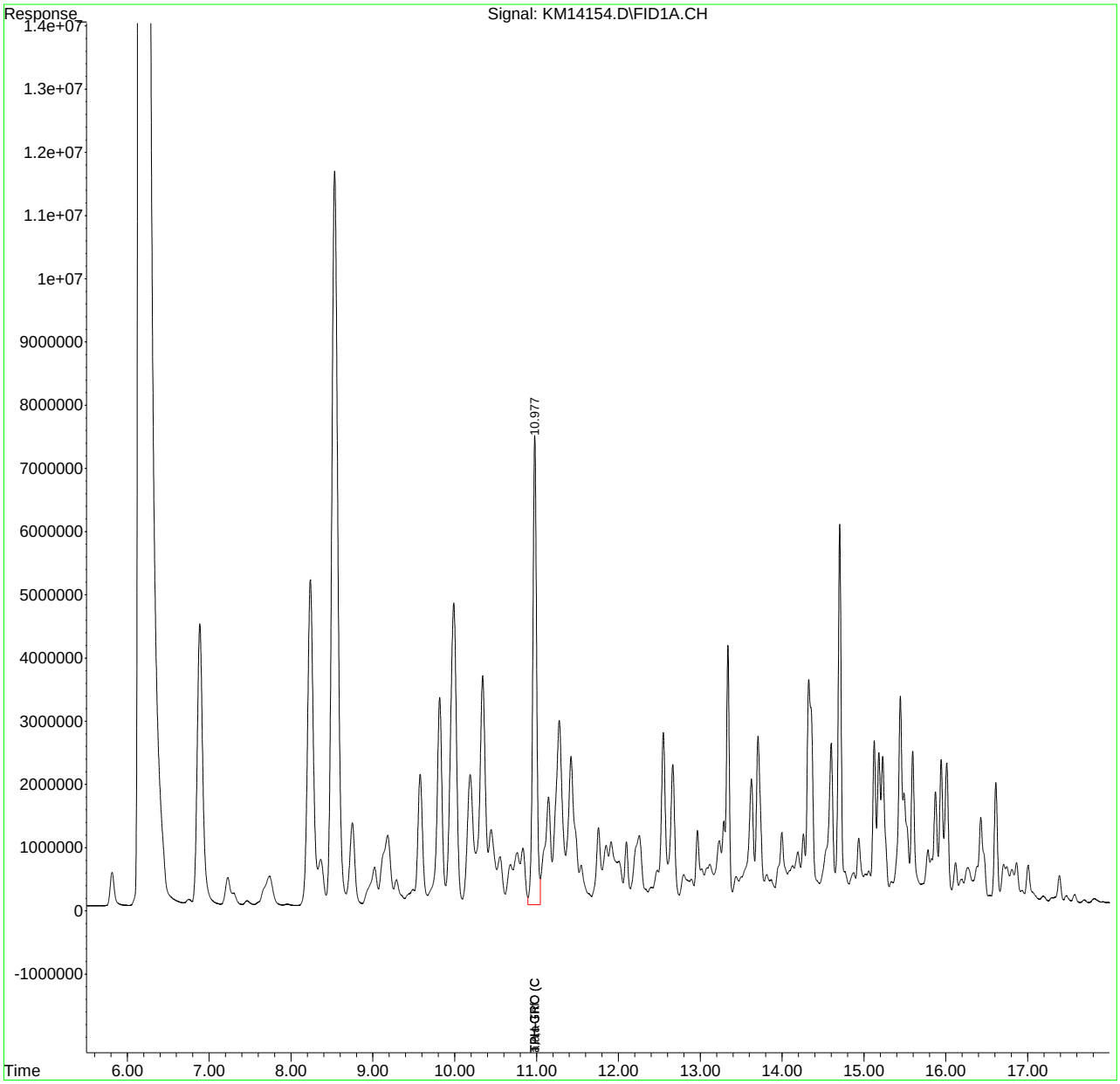
(f)=RT Delta > 1/2 Window (m)=manual int.

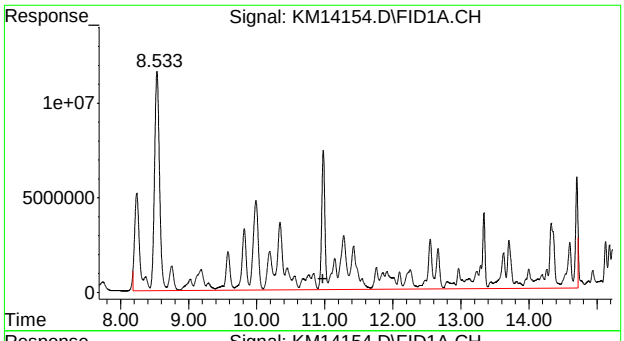
Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\lotusa\Oct-2025\10-15\GKM593\
Data File : KM14154.D
Signal(s) : FID1A.CH
Acq On : 14 Oct 2025 4:54 pm
Operator : johnn
Sample : je20971-1ms
Misc : GC65378,GKM593,5.0,,,,1
ALS Vial : 13 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 15 14:46:54 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

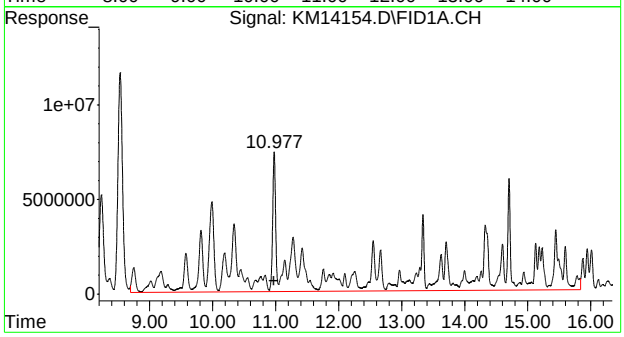
Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um





#1 TPH-GRO (C6-C10)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 3806076034
Conc: 9901.50 ug/l



#2 TPH-GRO (C6-C12)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 3552536638
Conc: 10752.47 ug/l

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Oct 2025\10-22-25\GKM598\
Data File : KM14262.D
Signal(s) : FID1A.CH
Acq On : 21 Oct 2025 3:06 pm
Operator : johnn
Sample : je20825-1ms
Misc : GC65370,GKM598,5.0,,,,1
ALS Vial : 12 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 22 06:49:37 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) S a,a,a-Trifluorotoluene	10.979	243579081	306.686 ug/l
Spiked Amount 300.000	Range 70 - 116	Recovery = 102.23%	
Target Compounds			
1) H TPH-GRO (C6-C10)	10.970	3776368952	9824.220 ug/l
2) H TPH-GRO (C6-C12)	10.970	3779598019	11439.715 ug/l

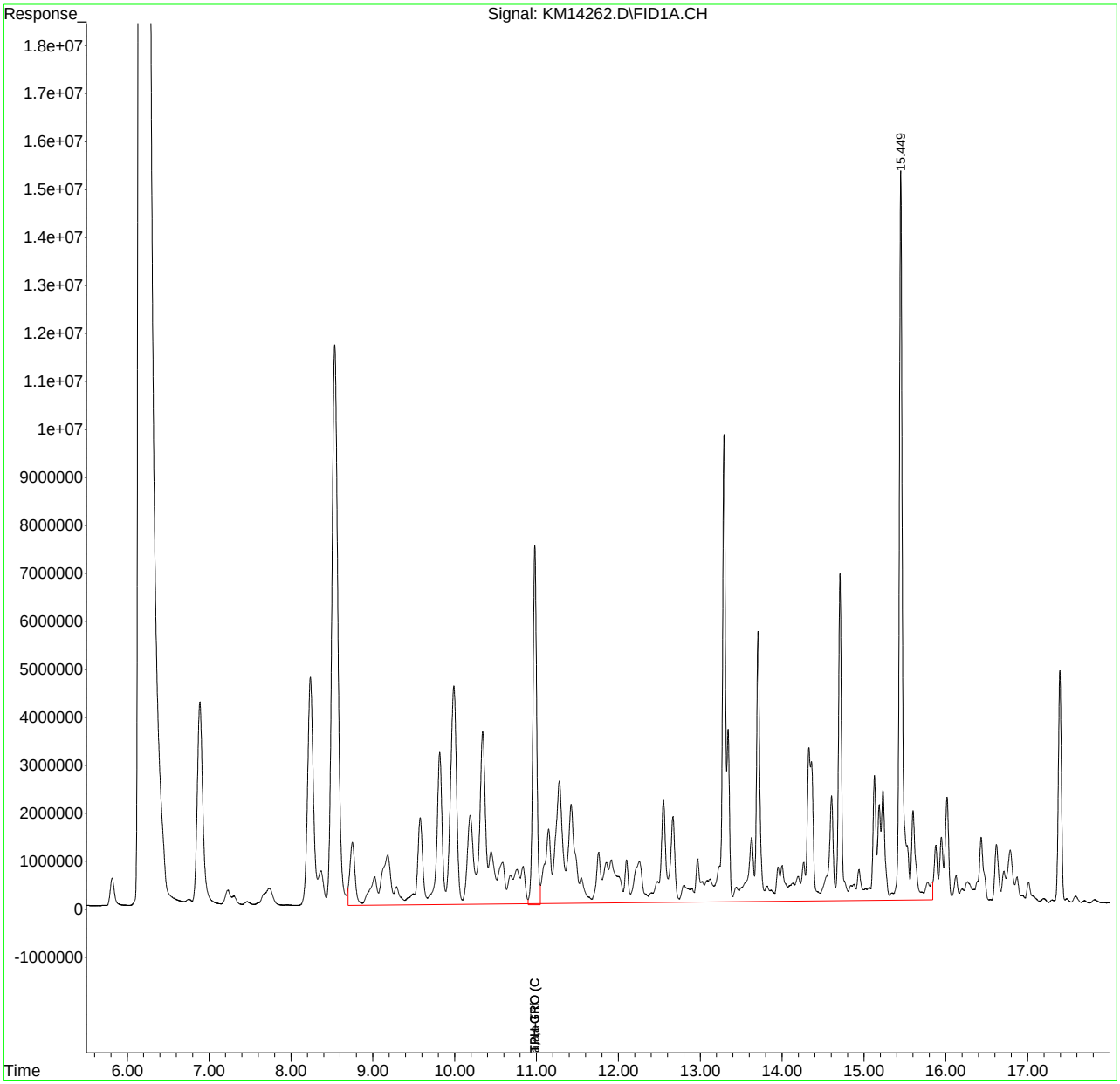
(f)=RT Delta > 1/2 Window (m)=manual int.

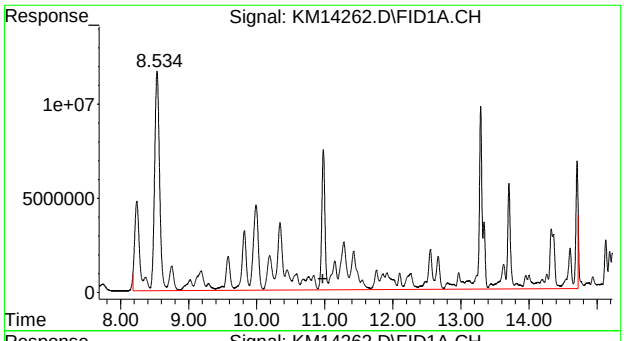
Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Oct 2025\10-22-25\GKM598\
Data File : KM14262.D
Signal(s) : FID1A.CH
Acq On : 21 Oct 2025 3:06 pm
Operator : johnn
Sample : je20825-1ms
Misc : GC65370,GKM598,5.0,,,,1
ALS Vial : 12 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 22 06:49:37 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

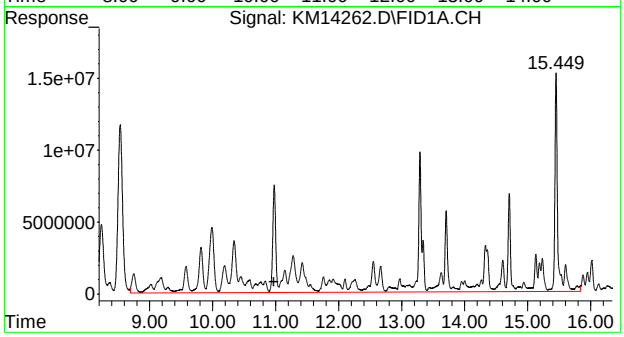
Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um





#1 TPH-GRO (C6-C10)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 3776368952
Conc: 9824.22 ug/l



#2 TPH-GRO (C6-C12)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 3779598019
Conc: 11439.72 ug/l

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Oct 2025\10-22-25\GKM598\
Data File : KM14263.D
Signal(s) : FID1A.CH
Acq On : 21 Oct 2025 3:30 pm
Operator : johnn
Sample : je20825-1msd
Misc : GC65370,GKM598,5.0,,,,1
ALS Vial : 13 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 22 06:49:41 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) S a,a,a-Trifluorotoluene	10.978	240676222	303.031 ug/l
Spiked Amount 300.000	Range 70 - 116	Recovery = 101.01%	
Target Compounds			
1) H TPH-GRO (C6-C10)	10.970	3777584569	9827.383 ug/l
2) H TPH-GRO (C6-C12)	10.970	3712127391	11235.502 ug/l

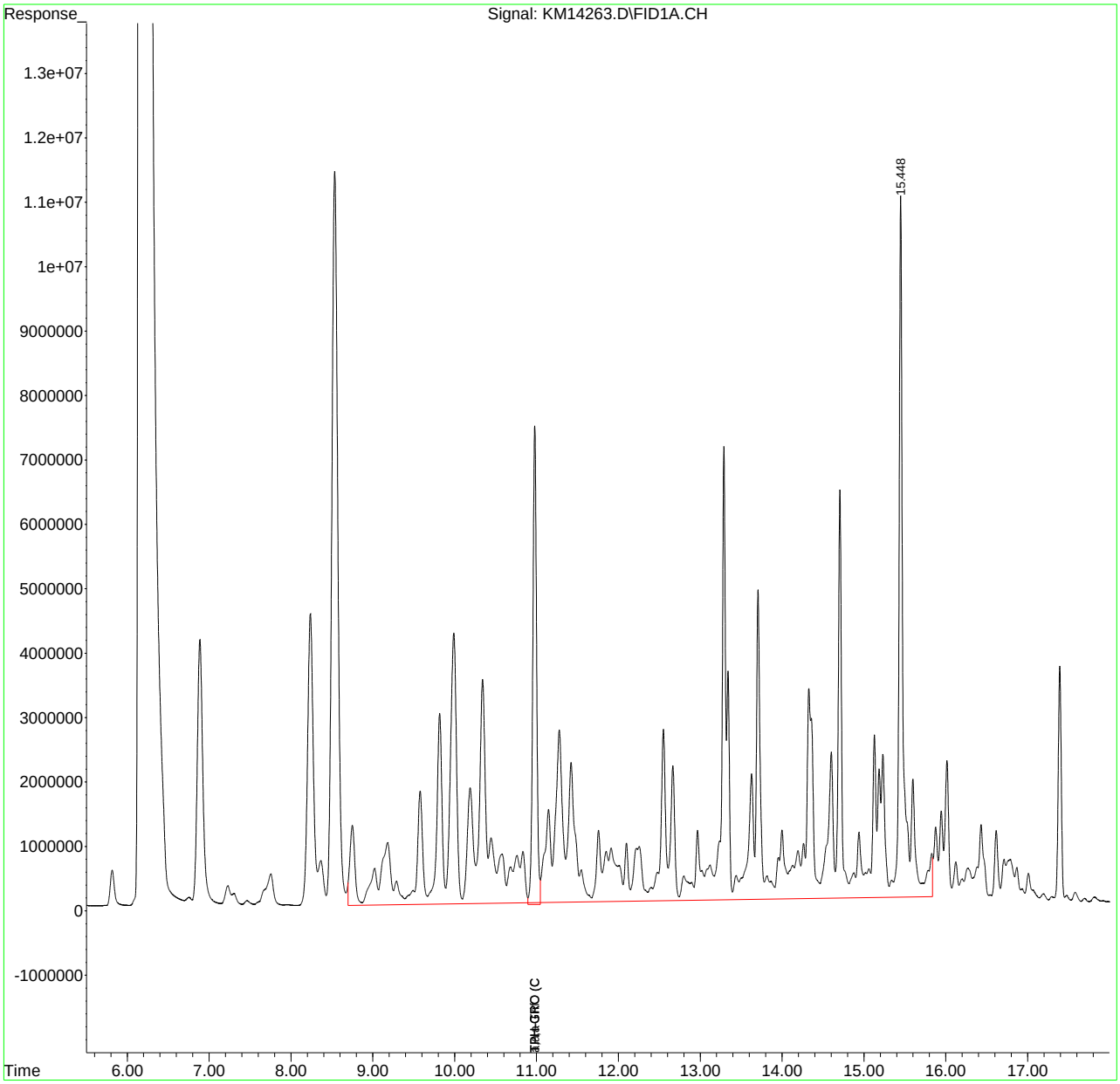
(f)=RT Delta > 1/2 Window (m)=manual int.

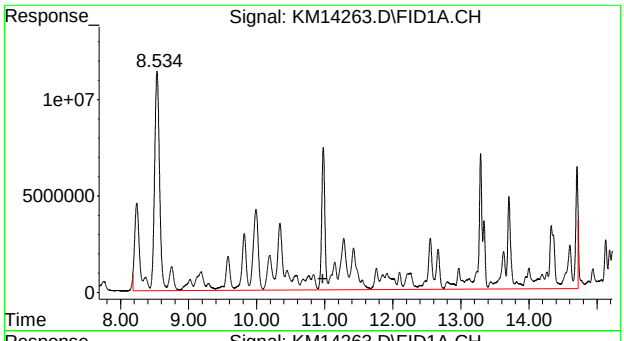
Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Oct 2025\10-22-25\GKM598\
Data File : KM14263.D
Signal(s) : FID1A.CH
Acq On : 21 Oct 2025 3:30 pm
Operator : johnn
Sample : je20825-1msd
Misc : GC65370,GKM598,5.0,,,,1
ALS Vial : 13 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 22 06:49:41 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

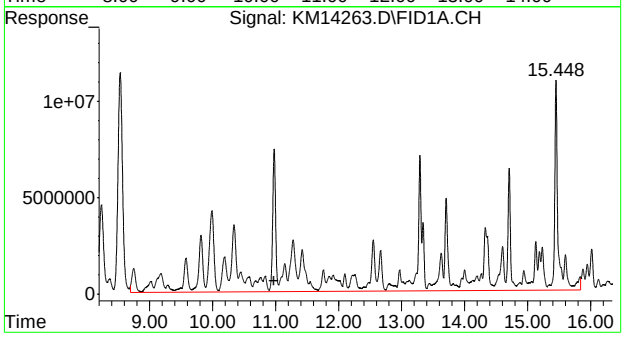
Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um





#1 TPH-GRO (C6-C10)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 3777584569
Conc: 9827.38 ug/l



#2 TPH-GRO (C6-C12)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 3712127391
Conc: 11235.50 ug/l

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\braianc\2025\10. October\14102025\GKM591\
Data File : KM14102.D
Signal(s) : FID1A.CH
Acq On : 13 Oct 2025 2:39 pm
Operator : johnn
Sample : je20921-1dup
Misc : GC65370,GKM591,5.0,,,,1
ALS Vial : 9 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 14 19:02:38 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) S a,a,a-Trifluorotoluene	10.977	209222666	263.428 ug/l
Spiked Amount 300.000	Range 70 - 116	Recovery = 87.81%	
Target Compounds			
1) H TPH-GRO (C6-C10)	10.970	45461347	118.268 ug/l
2) H TPH-GRO (C6-C12)	10.970	34669904	104.935 ug/l

(f)=RT Delta > 1/2 Window (m)=manual int.

11.6.1

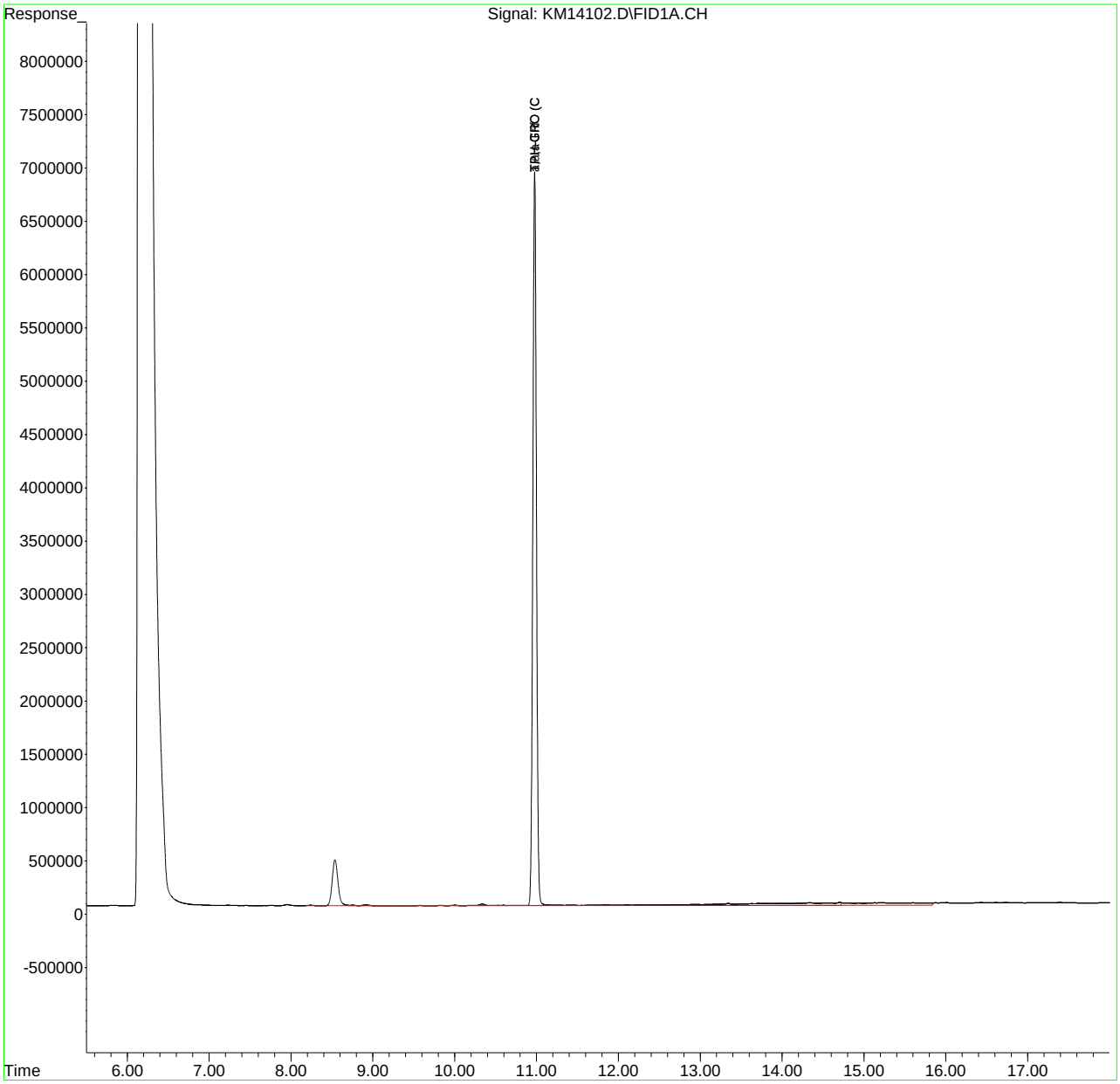
11

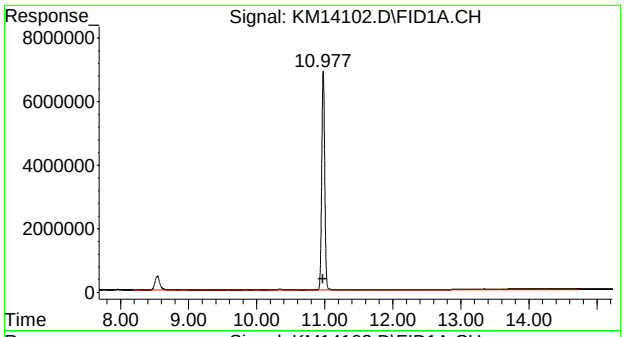
Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\braianc\2025\10. October\14102025\GKM591\
Data File : KM14102.D
Signal(s) : FID1A.CH
Acq On : 13 Oct 2025 2:39 pm
Operator : johnn
Sample : je20921-1dup
Misc : GC65370,GKM591,5.0,,,,1
ALS Vial : 9 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 14 19:02:38 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

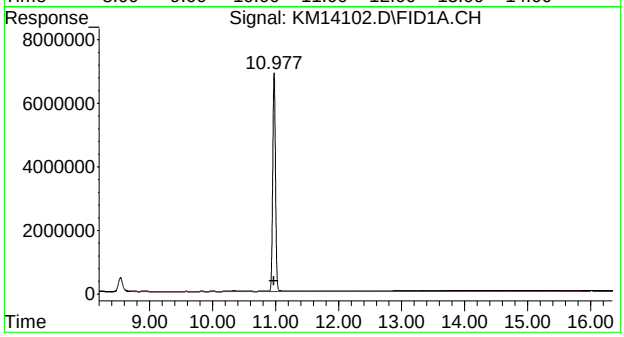
Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um





#1 TPH-GRO (C6-C10)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 45461347
Conc: 118.27 ug/l



#2 TPH-GRO (C6-C12)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 34669904
Conc: 104.94 ug/l

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\lotusa\Oct-2025\10-15\GKM593\
Data File : KM14159.D
Signal(s) : FID1A.CH
Acq On : 14 Oct 2025 7:45 pm
Operator : johnn
Sample : je20971-2dup
Misc : GC65321,GKM593,5.0,,,,1
ALS Vial : 18 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 15 14:47:15 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) S a,a,a-Trifluorotoluene	10.977	206401195	259.876 ug/l
Spiked Amount 300.000	Range 70 - 116	Recovery = 86.63%	
Target Compounds			
1) H TPH-GRO (C6-C10)	10.970	44845467	116.665 ug/l
2) H TPH-GRO (C6-C12)	10.970	63444548	192.028 ug/l

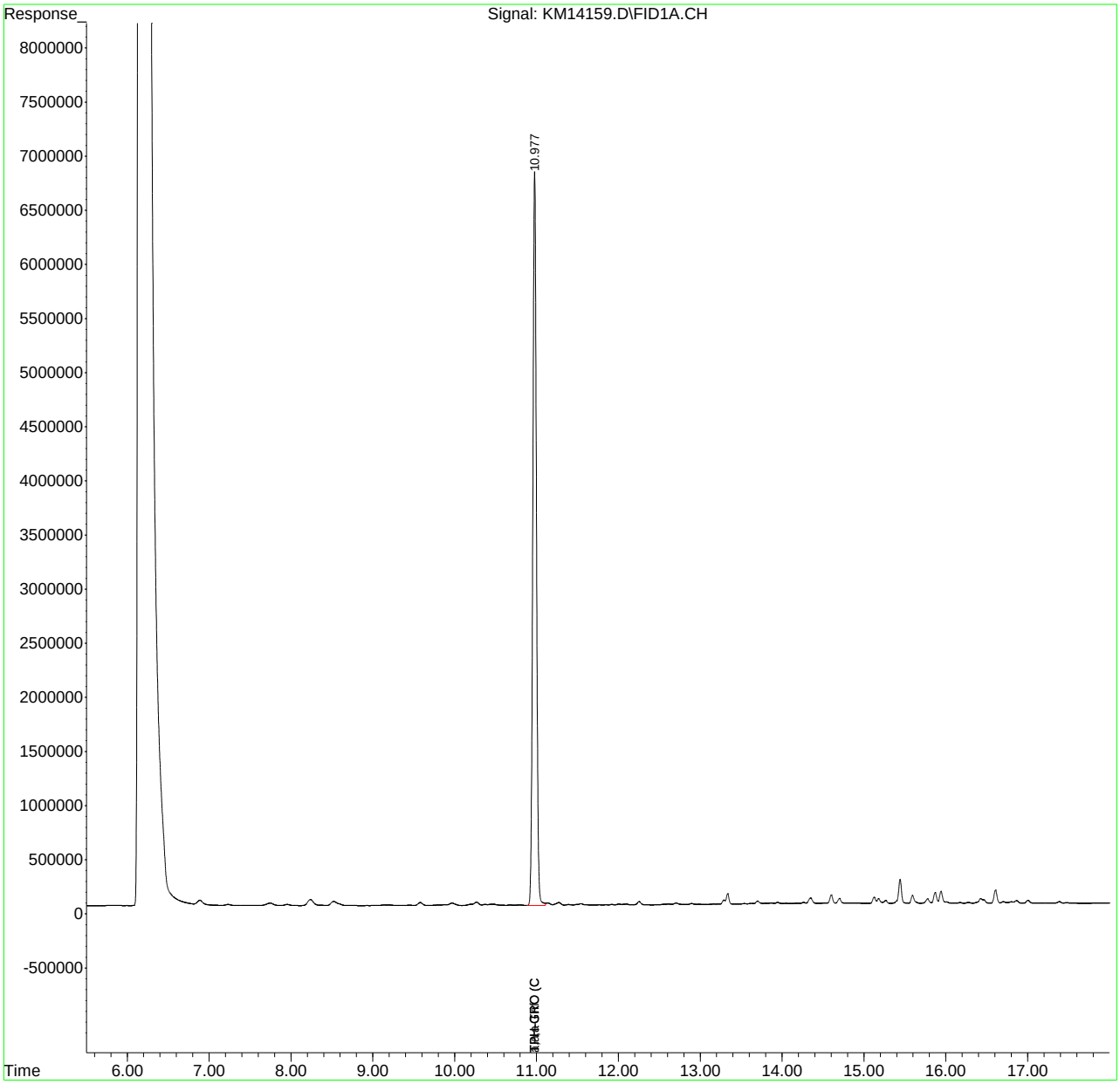
(f)=RT Delta > 1/2 Window (m)=manual int.

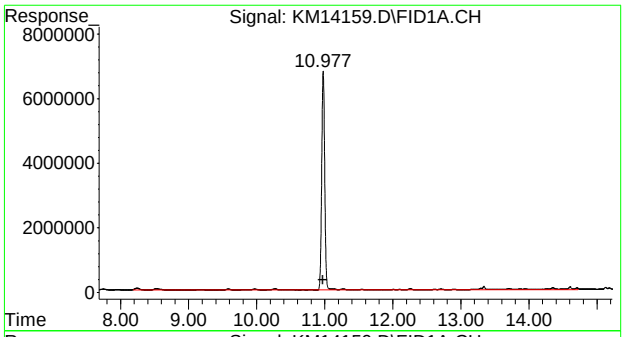
Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\lotusa\Oct-2025\10-15\GKM593\
Data File : KM14159.D
Signal(s) : FID1A.CH
Acq On : 14 Oct 2025 7:45 pm
Operator : johnn
Sample : je20971-2dup
Misc : GC65321,GKM593,5.0,,,,1
ALS Vial : 18 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 15 14:47:15 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

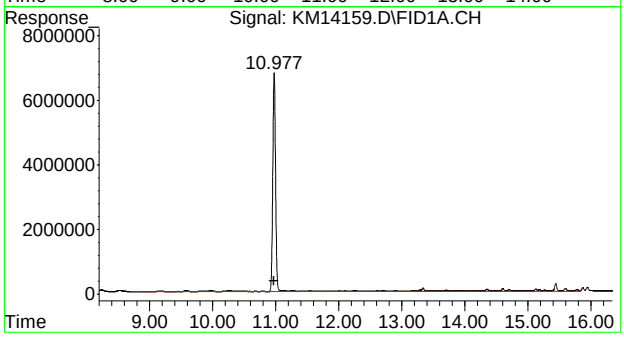
Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um





#1 TPH-GRO (C6-C10)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 44845467
Conc: 116.67 ug/l



#2 TPH-GRO (C6-C12)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 63444548
Conc: 192.03 ug/l

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118151.d
Signal(s) : FID1A.ch
Acq On : 22 Oct 2025 9:05 am
Operator : williamc
Sample : je20825-1dup
Misc : GC65375,GAA3393,,,,,1
ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 22 09:15:29 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df

	Compound	R.T.	Response	Conc Units
Target Compounds				
1)	Methane	1.320f	475132484	28986.708 PPMV
2)	Ethane	1.725	1244382	40.087 PPMV

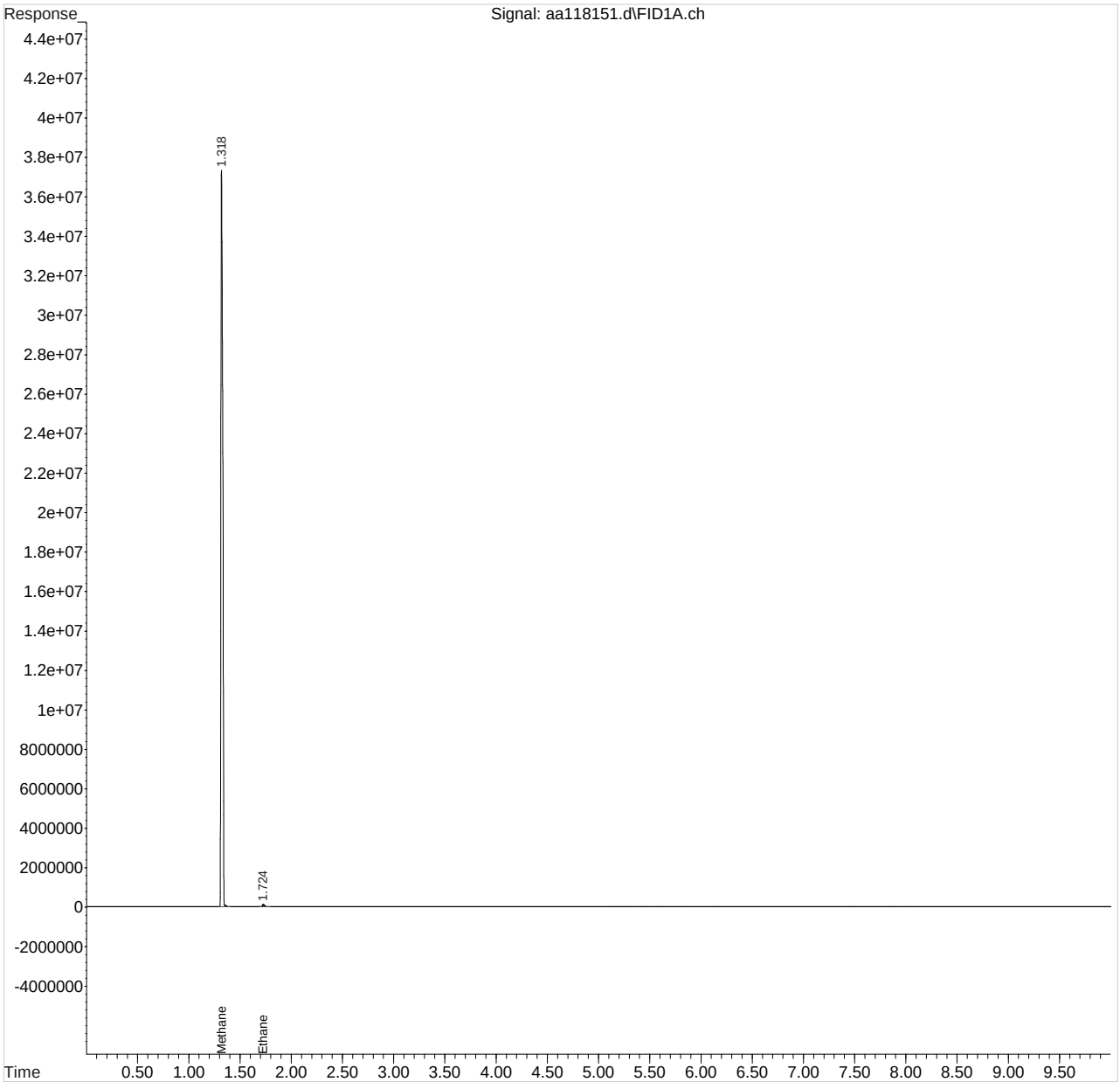
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118151.d
Signal(s) : FID1A.ch
Acq On : 22 Oct 2025 9:05 am
Operator : williamc
Sample : je20825-1dup
Misc : GC65375,GAA3393,,,,,1
ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 22 09:15:29 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



Dissolved Gas Calculation Worksheet

Data File Name **aa118151.d**
Date Acquired **10/22/2025 9:05**
Sample Name **je20825-1dup**
Sample Multiplier **1**
Temperature(C) **24**
Headspace Vol. (cc) **5**
Sample Vol(cc) **38**

Compound	MW	Molar Volume(L)	Water g-moles/L	Temp K	Corrected Gas dens.	Peak Area	Helium Blank	Headspace (ppmv)*	Headspace (ug/l)	Water (ug/l)	Henry's Constant	Saturation Conc.(ug/l)	Total (ug/L)	MDL (ug/l)	Report (ug/l)
METHANE	16	22.4	55.5	297	24.37	4.8E+008	4647	28986.42	19031.49	2504.14	40560	634.614	3138.76	0.08	**3138.76**
ETHANE	30	22.4	55.5	297	24.37	1244382	0	40.09	49.35	6.49	29420	2.269	8.762	0.14	**8.762**
ETHYLENE	28	22.4	55.5	297	24.29	0	0	#DIV/0!	#DIV/0!	#DIV/0!	11160	#DIV/0!	#DIV/0!	0.16	**#DIV/0!**
PROPANE	44	22.4	55.5	297	24.29	0	0	#DIV/0!	#DIV/0!	#DIV/0!	35857	#DIV/0!	#DIV/0!	0.07	**#DIV/0!**

*** ppmv is corrected for helium blank background peak area**

Definitions,

Molar Volume	The volume of 1 mole of any gas at standard temperature and pressure(STP)
Water g/Moles	1 Liter of water is equal to 55.5g-moles
Temp-kelvin	Is defined as 273 + degress C
Corrected Gas Density	Gas density corrected for temperature is equal to (molar volume) x (temp-k/273)
Headspace conc(ug/l)	Is equal to (ppmv reading) x (mw/corrected gas density)
Water Concentration(ug/l)	Is equal to headspace conc(ug/l) x headspace vol/sample vol
Saturation Concentration(ug/l)	Gas which remains at equilibrium in the sample is equal to (headspace conc-ppm) x (mw) x (55.5)/(Henry's Constant)

Henry's Constants

temp-c	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43460	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Oxygen	40100	40840	41580	42320	43060	43800	44540	45280	46020	46760	47500
CO	52600	53680	54760	55840	56920	58000	58800	59600	60400	61200	62000
CO2	14200	14640	15080	15520	15960	16400	16840	17280	17720	18160	18600
Nitrogen	80400	81620	82840	84060	85280	86500	87680	88860	90040	91220	92400
Hydrogen	68300	68780	69260	69740	70220	70700	71140	71580	72020	72460	72900
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\GKM588\
Data File : KM14012.D
Signal(s) : FID1A.CH
Acq On : 09 Oct 2025 2:42 pm
Operator : johnn
Sample : RT
Misc : GC65359,GKM588,5.0,,,,1
ALS Vial : 6 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 09 18:43:21 2025
Quant Method : C:\msdchem\1\METHODS\MKMGRORT2.M
Quant Title : VPH
QLast Update : Thu Oct 09 18:43:11 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 mm df

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
5) S	a,a,a-Trifluorotoluene	10.970	207753817	66.162 ppb
Spiked Amount	300.000		Recovery =	22.05%
	Target Compounds			
1)	2-methylpentane	8.231	27902351	127.677
2)	1,2,4-Trimethylbenzene	14.694	88741554	101.258
3) t	n-Hexane	8.748	28893018	92.927
4) t	n-Dodecane	15.810	23900461	76.869

(f)=RT Delta > 1/2 Window (m)=manual int.

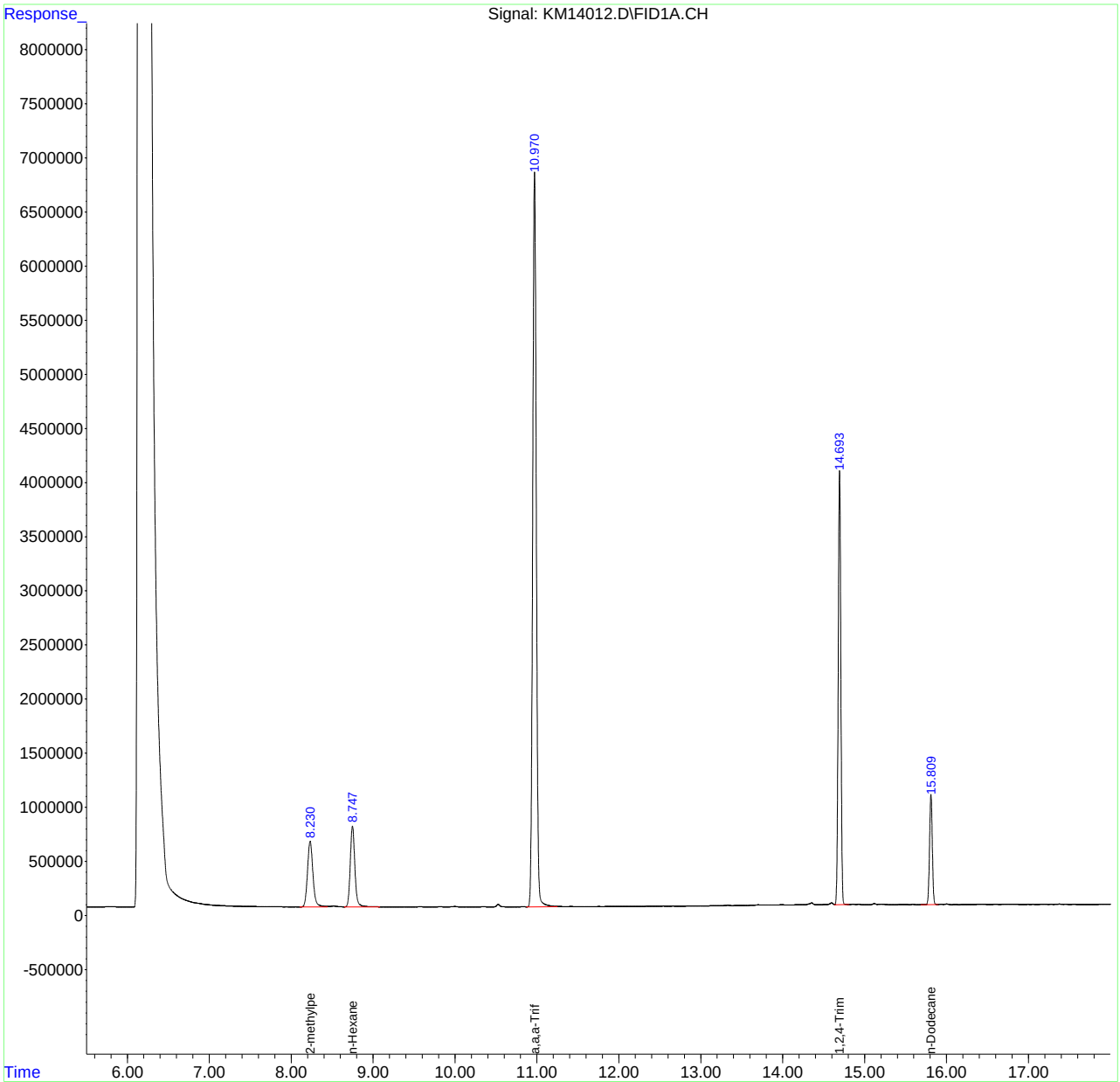
11.7.1
11

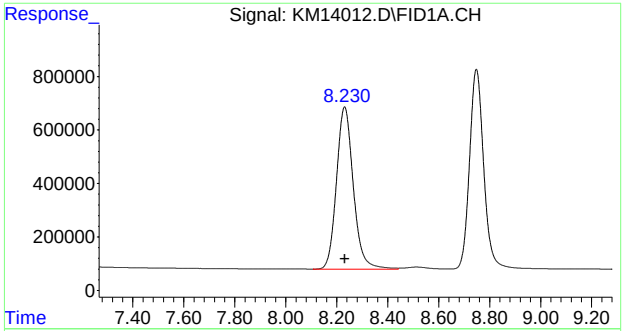
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\GKM588\
Data File : KM14012.D
Signal(s) : FID1A.CH
Acq On : 09 Oct 2025 2:42 pm
Operator : johnn
Sample : RT
Misc : GC65359,GKM588,5.0,,,,1
ALS Vial : 6 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 09 18:43:21 2025
Quant Method : C:\msdchem\1\METHODS\MKMGRORT2.M
Quant Title : VPH
QLast Update : Thu Oct 09 18:43:11 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

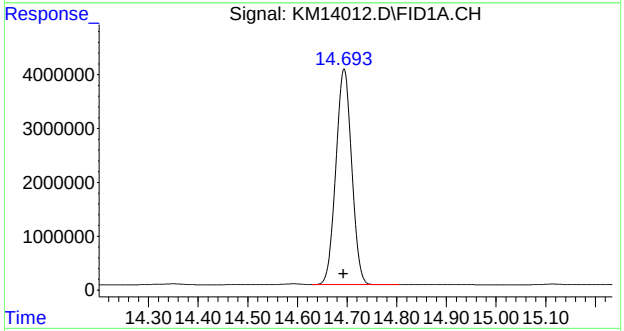
Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 mm df





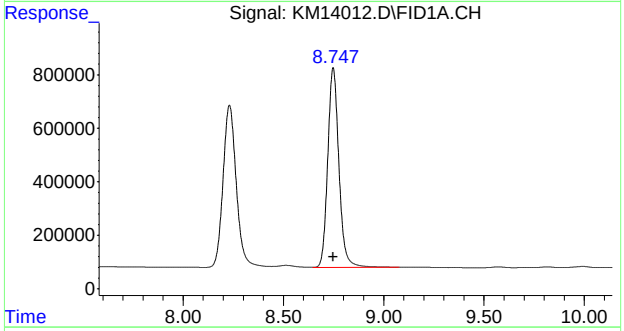
#1 2-methylpentane

R.T.: 8.231 min
Delta R.T.: 0.000 min
Response: 27902351
Conc: 127.68



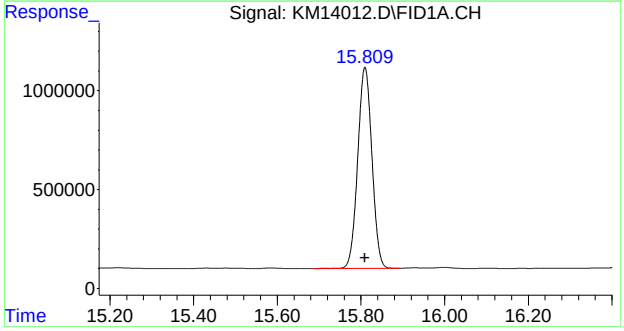
#2 1,2,4-Trimethylbenzene

R.T.: 14.694 min
Delta R.T.: 0.001 min
Response: 88741554
Conc: 101.26



#3 n-Hexane

R.T.: 8.748 min
Delta R.T.: 0.000 min
Response: 28893018
Conc: 92.93



#4 n-Dodecane

R.T.: 15.810 min
Delta R.T.: 0.000 min
Response: 23900461
Conc: 76.87

11.7.1
11

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\braianc\2025\10. October\14102025\GKM591\
Data File : KM14096.D
Signal(s) : FID1A.CH
Acq On : 13 Oct 2025 10:41 am
Operator : johnn
Sample : rt
Misc : GC65358,GKM591,5.0,,100,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 14 19:22:23 2025
Quant Method : C:\msdchem\1\methods\MKMGRORT2.M
Quant Title : VPH
QLast Update : Thu Oct 09 18:43:11 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 mm df

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
5) S	a,a,a-Trifluorotoluene	10.980	203490733	64.805 ppb
Spiked Amount	300.000		Recovery =	21.60%
	Target Compounds			
1)	2-methylpentane	8.238	24184428	110.665
2)	1,2,4-Trimethylbenzene	14.706	84823352	96.787
3) t	n-Hexane	8.756	25193109	81.027
4) t	n-Dodecane	15.823	21548061	69.304

(f)=RT Delta > 1/2 Window (m)=manual int.

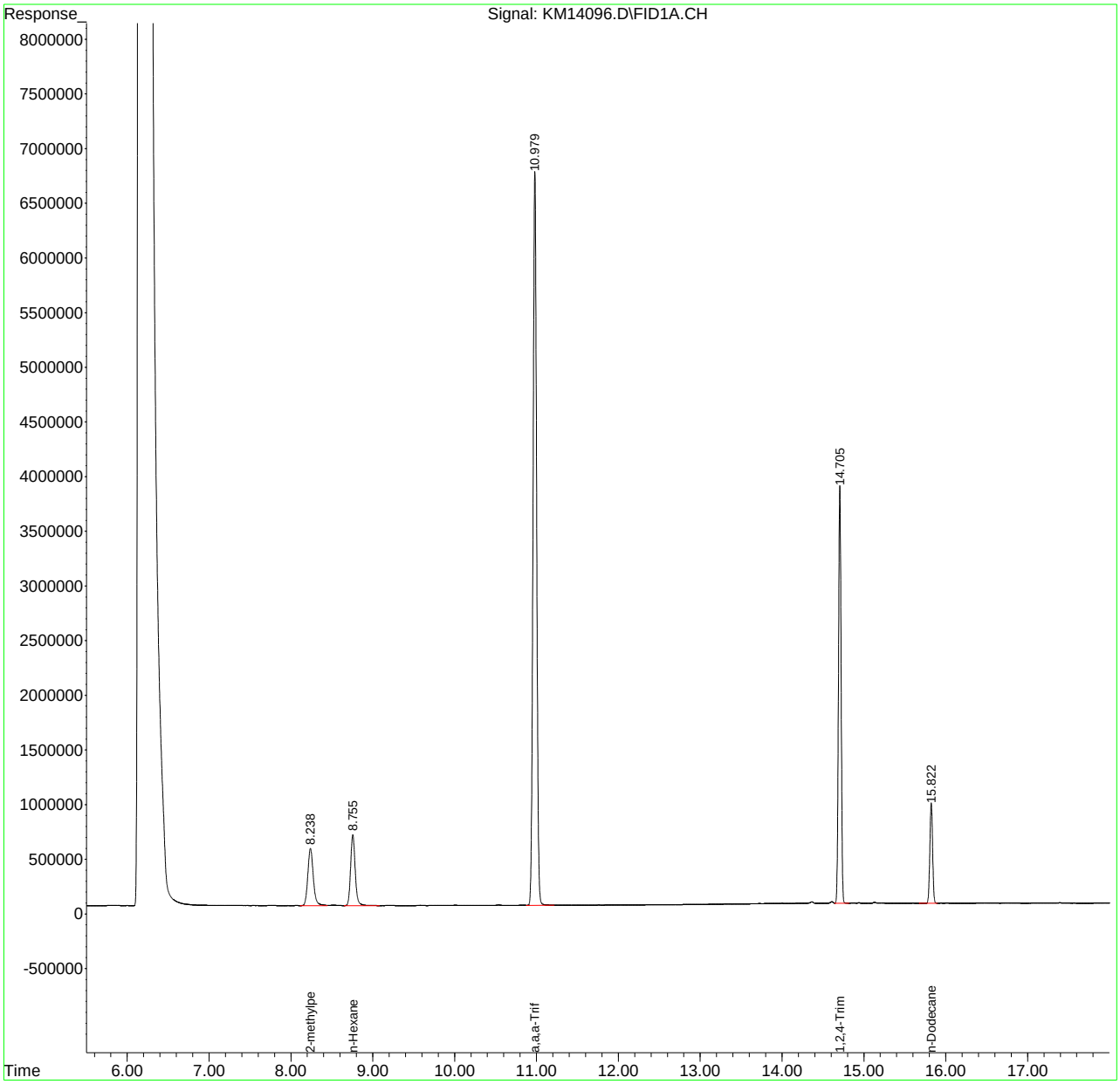
11.7.2
11

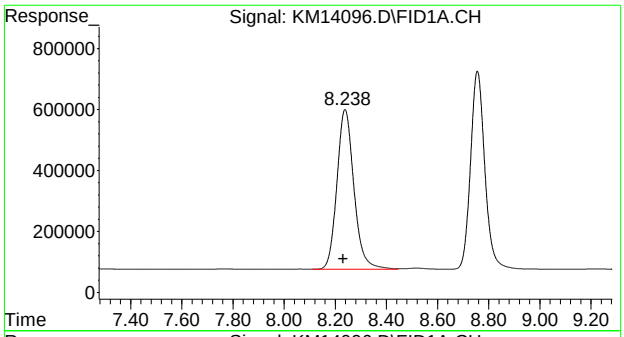
Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\braianc\2025\10. October\14102025\GKM591\
Data File : KM14096.D
Signal(s) : FID1A.CH
Acq On : 13 Oct 2025 10:41 am
Operator : johnn
Sample : rt
Misc : GC65358,GKM591,5.0,,100,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 14 19:22:23 2025
Quant Method : C:\msdchem\1\methods\MKMGRORT2.M
Quant Title : VPH
QLast Update : Thu Oct 09 18:43:11 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

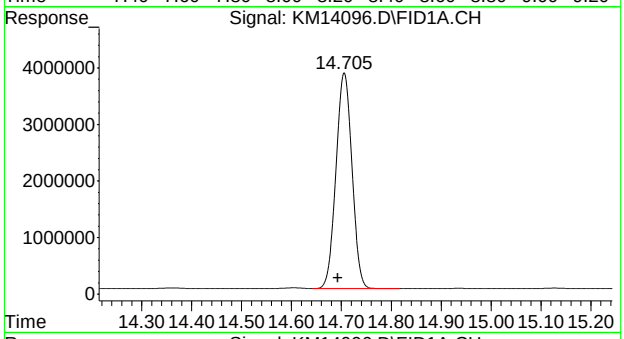
Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 mm df





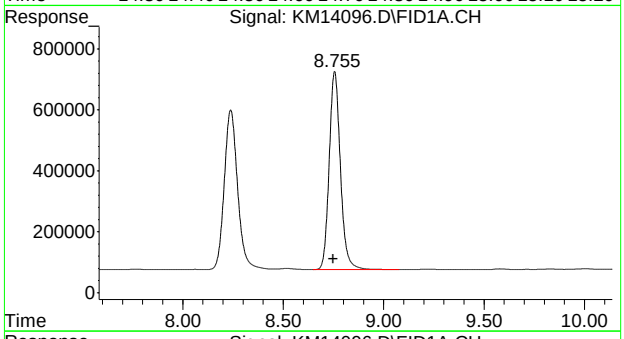
#1 2-methylpentane

R.T.: 8.238 min
Delta R.T.: 0.007 min
Response: 24184428
Conc: 110.66



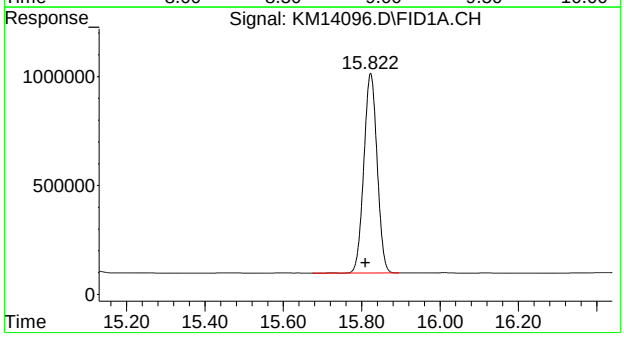
#2 1,2,4-Trimethylbenzene

R.T.: 14.706 min
Delta R.T.: 0.013 min
Response: 84823352
Conc: 96.79



#3 n-Hexane

R.T.: 8.756 min
Delta R.T.: 0.008 min
Response: 25193109
Conc: 81.03



#4 n-Dodecane

R.T.: 15.823 min
Delta R.T.: 0.014 min
Response: 21548061
Conc: 69.30

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\lotusa\Oct-2025\10-15\GKM593\
Data File : KM14144.D
Signal(s) : FID1A.CH
Acq On : 14 Oct 2025 10:50 am
Operator : johnn
Sample : rt
Misc : GC65359,GKM593,5.0,,,,1
ALS Vial : 3 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 15 14:50:50 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) S a,a,a-Trifluorotoluene	10.977	206395218	259.868 ug/l
Spiked Amount 300.000	Range 70 - 116	Recovery = 86.62%	
Target Compounds			
1) H TPH-GRO (C6-C10)	10.970	154750480	402.583 ug/l
2) H TPH-GRO (C6-C12)	10.970	164004538	496.393 ug/l

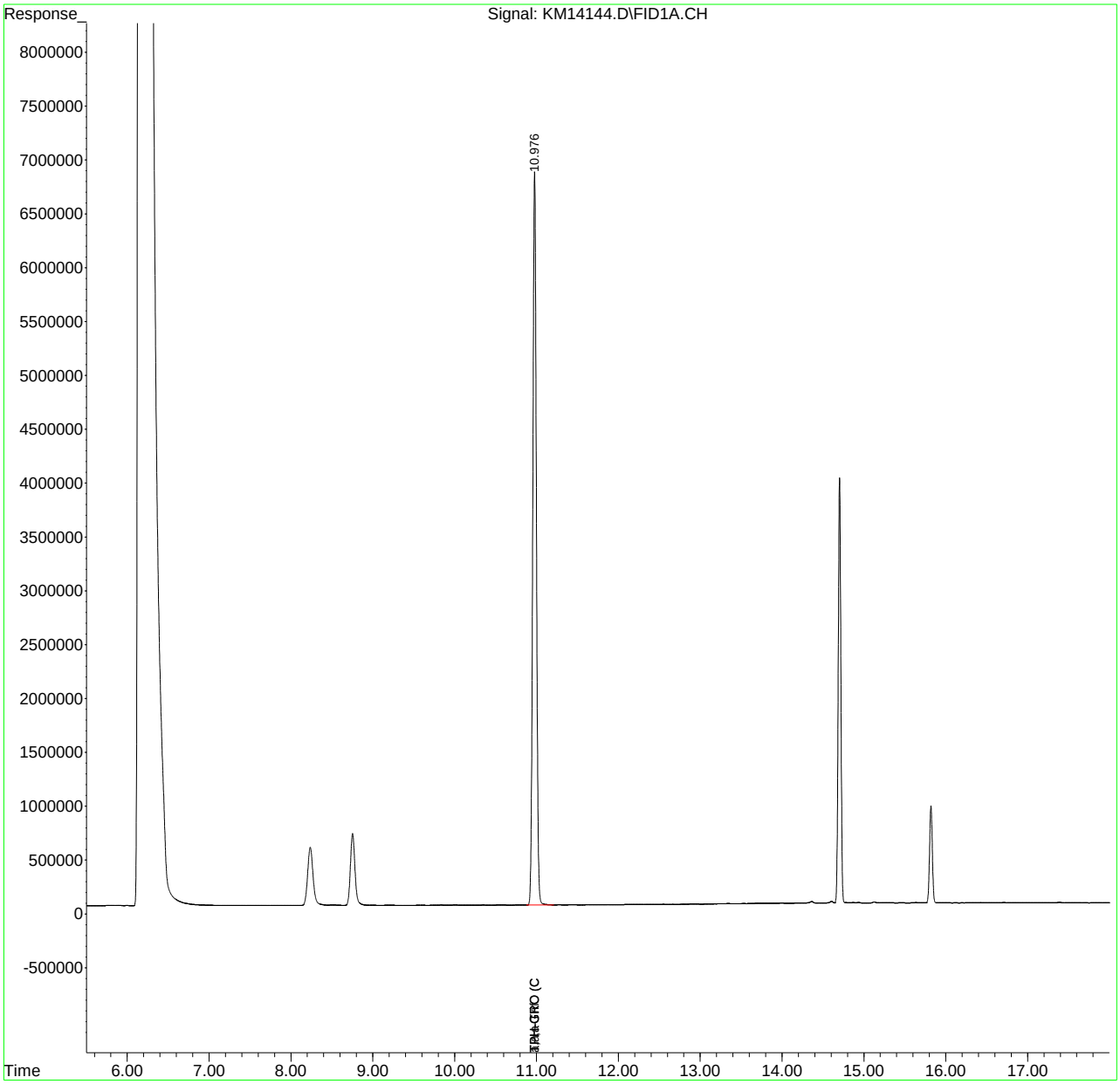
(f)=RT Delta > 1/2 Window (m)=manual int.

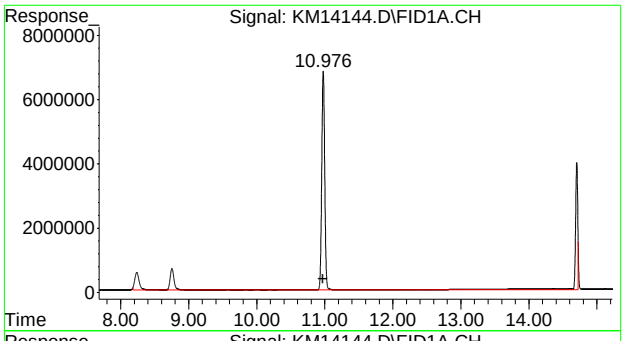
Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\lotusa\Oct-2025\10-15\GKM593\
Data File : KM14144.D
Signal(s) : FID1A.CH
Acq On : 14 Oct 2025 10:50 am
Operator : johnn
Sample : rt
Misc : GC65359,GKM593,5.0,,,,1
ALS Vial : 3 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 15 14:50:50 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

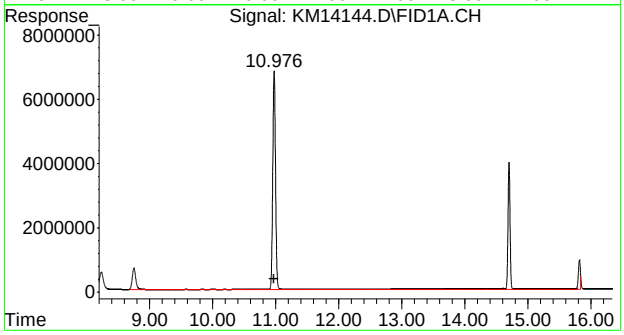
Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um





#1 TPH-GRO (C6-C10)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 154750480
Conc: 402.58 ug/l



#2 TPH-GRO (C6-C12)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 164004538
Conc: 496.39 ug/l

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Oct 2025\10-22-25\GKM598\
Data File : KM14253.D
Signal(s) : FID1A.CH
Acq On : 21 Oct 2025 10:15 am
Operator : johnn
Sample : rt
Misc : GC65322,GKM598,5.0,,100,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 22 06:45:18 2025
Quant Method : C:\msdchem\1\methods\MKMGRORT2.M
Quant Title : VPH
QLast Update : Thu Oct 09 18:43:11 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 mm df

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
5) S	a,a,a-Trifluorotoluene	10.980	203707451	64.874 ppb
Spiked Amount	300.000		Recovery =	21.62%
	Target Compounds			
1)	2-methylpentane	8.240	26522835	121.365
2)	1,2,4-Trimethylbenzene	14.707	89419667	102.031
3) t	n-Hexane	8.757	27794064	89.392
4) t	n-Dodecane	15.825f	22070770	70.985

(f)=RT Delta > 1/2 Window (m)=manual int.

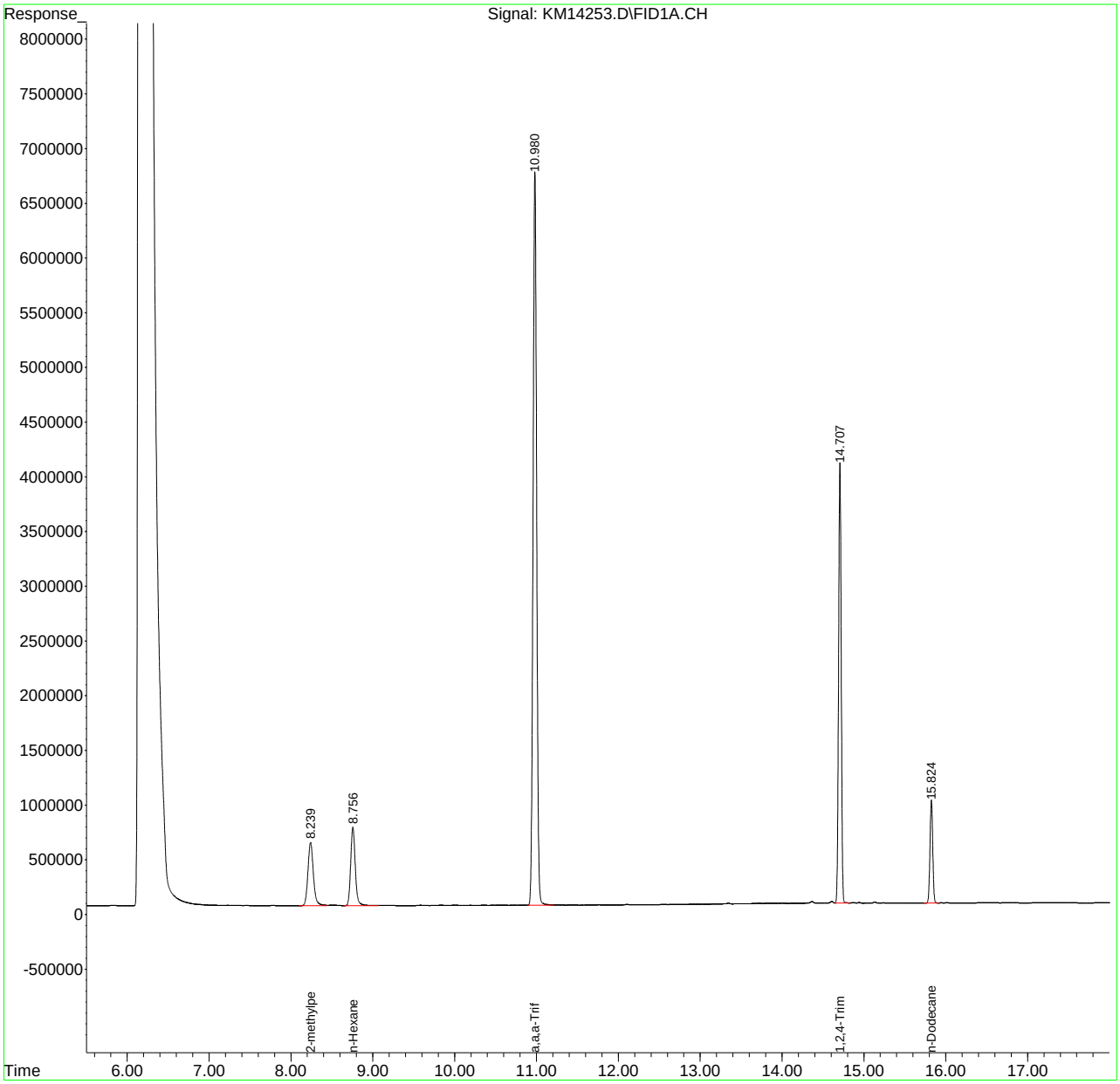
11.7.4
11

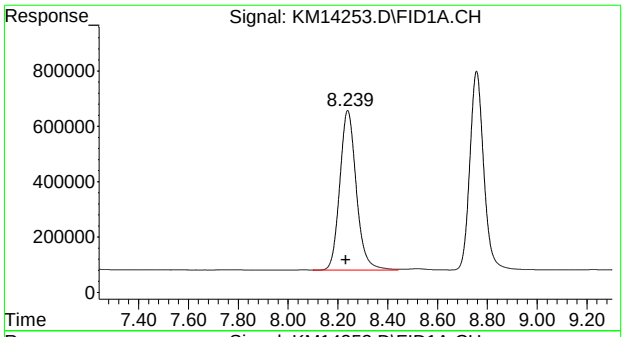
Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Oct 2025\10-22-25\GKM598\
Data File : KM14253.D
Signal(s) : FID1A.CH
Acq On : 21 Oct 2025 10:15 am
Operator : johnn
Sample : rt
Misc : GC65322,GKM598,5.0,,100,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 22 06:45:18 2025
Quant Method : C:\msdchem\1\methods\MKMGRORT2.M
Quant Title : VPH
QLast Update : Thu Oct 09 18:43:11 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

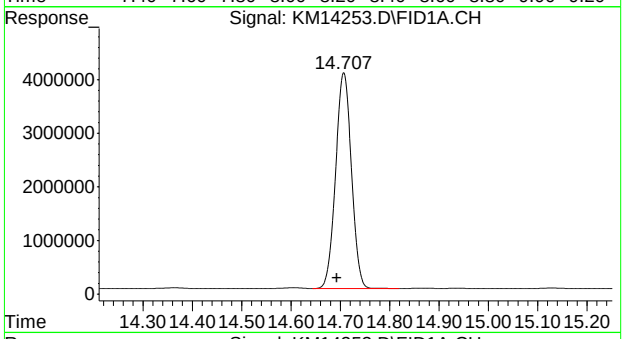
Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 mm df





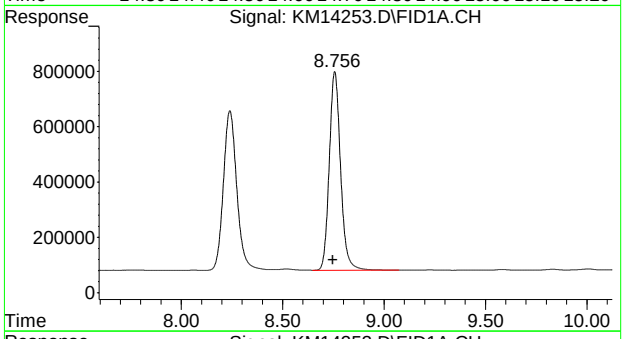
#1 2-methylpentane

R.T.: 8.240 min
Delta R.T.: 0.009 min
Response: 26522835
Conc: 121.36



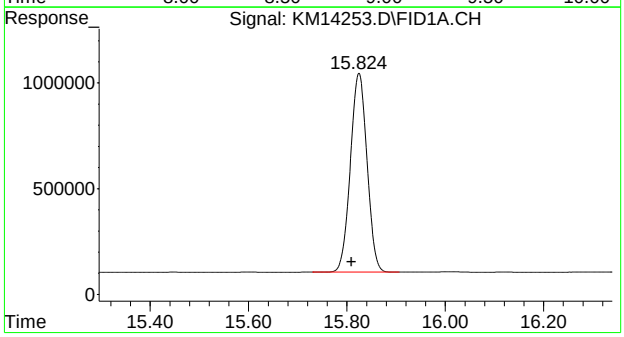
#2 1,2,4-Trimethylbenzene

R.T.: 14.707 min
Delta R.T.: 0.014 min
Response: 89419667
Conc: 102.03



#3 n-Hexane

R.T.: 8.757 min
Delta R.T.: 0.009 min
Response: 27794064
Conc: 89.39



#4 n-Dodecane

R.T.: 15.825 min
Delta R.T.: 0.016 min
Response: 22070770
Conc: 70.98

11.7.4 11

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa116752.d
Signal(s) : FID1A.ch
Acq On : 25 Jul 2025 1:55 pm
Operator : williamc
Sample : ic3333-10
Misc : GC65024,GAA3333,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jul 25 14:05:35 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Mon Jul 14 10:45:48 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	1.339	165070	10.466	PPMV
2)	Ethane	1.739	312564	10.476	PPMV
3)	Ethene	2.407f	314351	10.446	PPMV
4)	Propane	2.839	478366	11.360	PPMV

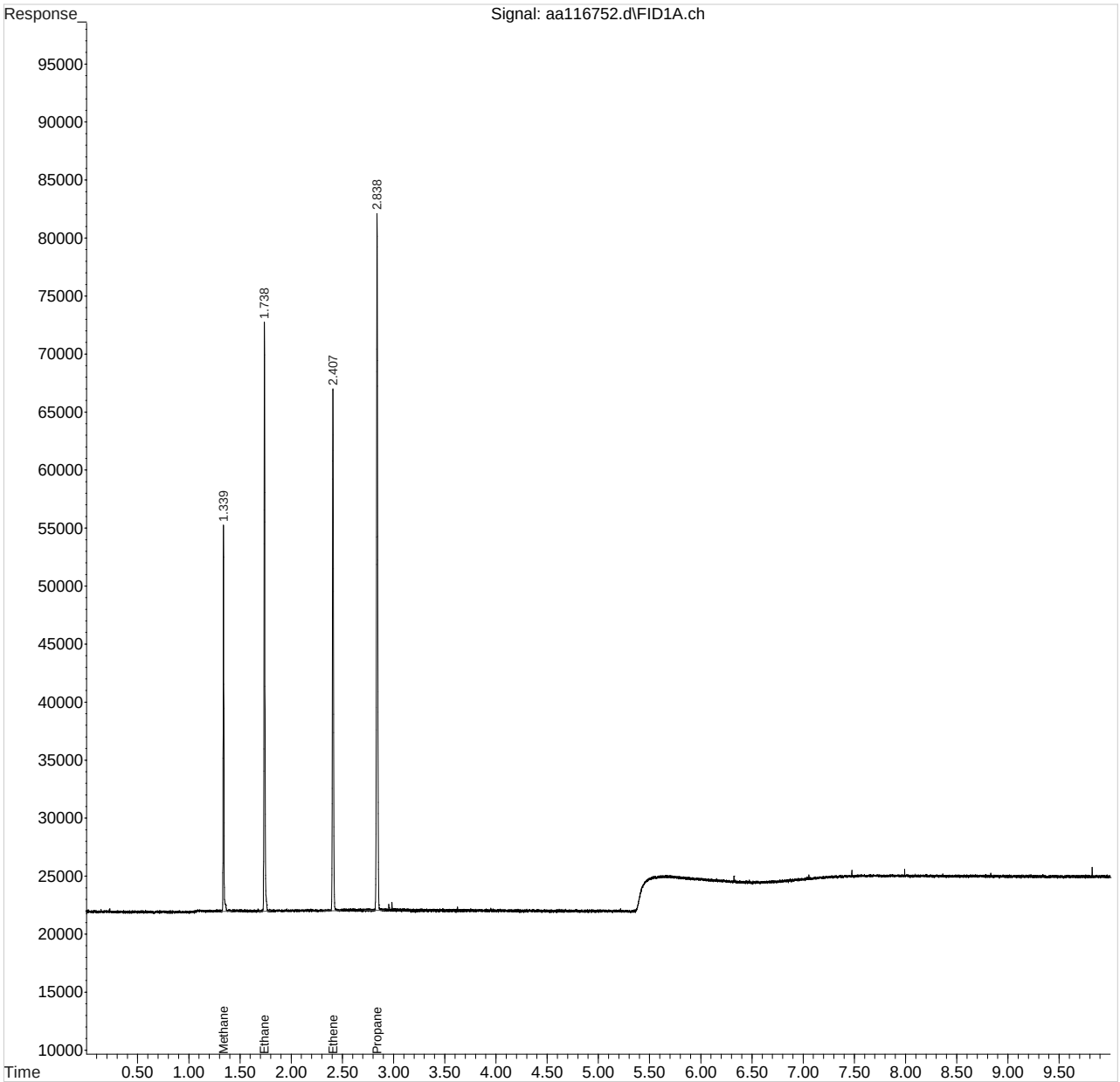
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa116752.d
Signal(s) : FID1A.ch
Acq On : 25 Jul 2025 1:55 pm
Operator : williamc
Sample : ic3333-10
Misc : GC65024,GAA3333,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jul 25 14:05:35 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Mon Jul 14 10:45:48 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa116753.d
Signal(s) : FID1A.ch
Acq On : 25 Jul 2025 2:13 pm
Operator : williamc
Sample : ic3333-20
Misc : GC65024,GAA3333,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jul 25 14:23:52 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Mon Jul 14 10:45:48 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	1.339	325865	20.661	PPMV
2)	Ethane	1.738	613273	20.555	PPMV
3)	Ethene	2.408f	615572	20.456	PPMV
4)	Propane	2.839	940211	22.327	PPMV

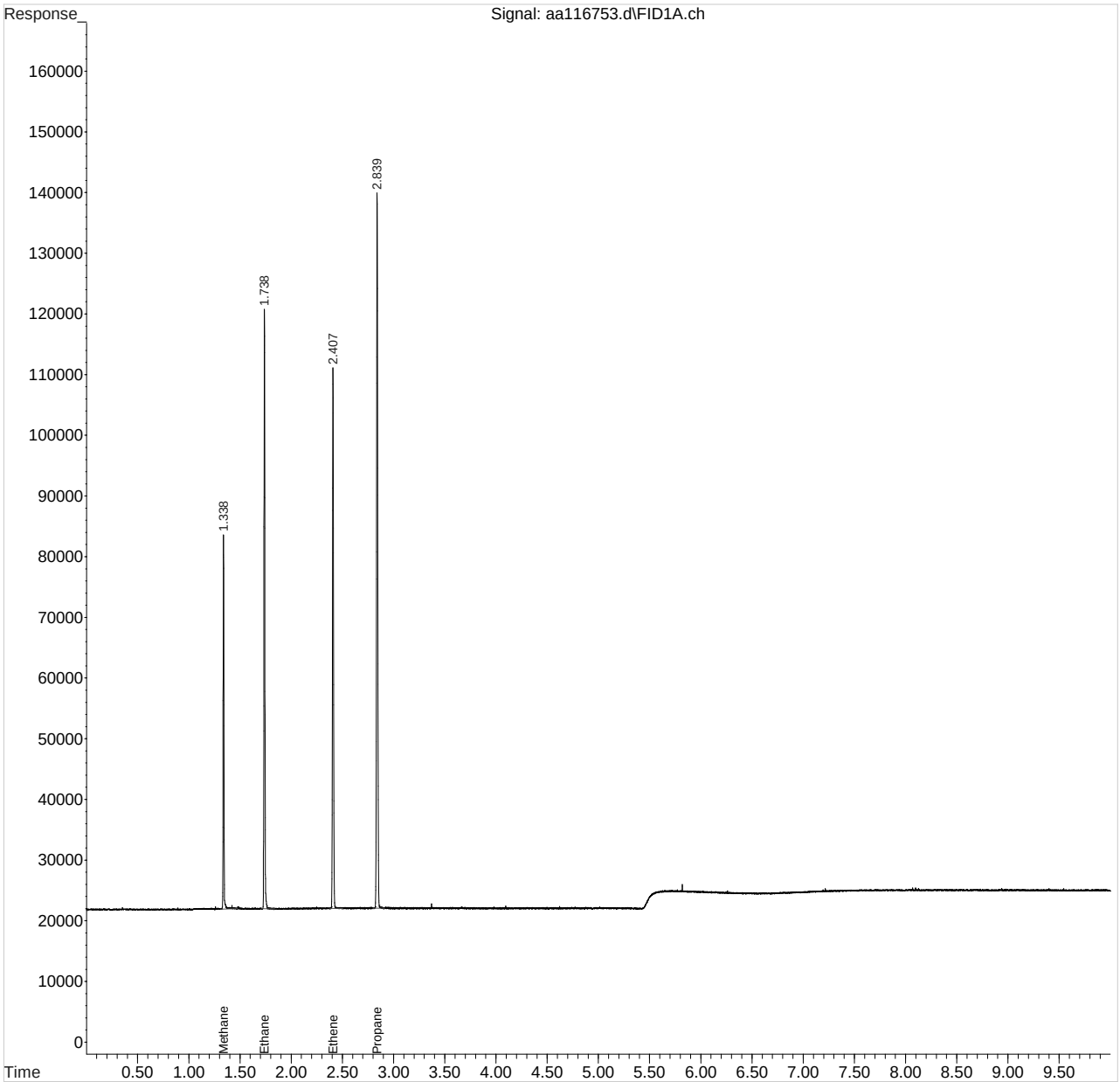
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa116753.d
Signal(s) : FID1A.ch
Acq On : 25 Jul 2025 2:13 pm
Operator : williamc
Sample : ic3333-20
Misc : GC65024,GAA3333,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jul 25 14:23:52 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Mon Jul 14 10:45:48 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa116754.d
Signal(s) : FID1A.ch
Acq On : 25 Jul 2025 2:27 pm
Operator : williamc
Sample : icc3333-100
Misc : GC65024,GAA3333,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jul 25 14:37:50 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Mon Jul 14 10:45:48 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	1.339	1710878	108.476	PPMV
2)	Ethane	1.739	3300234	110.616	PPMV
3)	Ethene	2.407f	3310390	110.006	PPMV
4)	Propane	2.838	5075436	120.525	PPMV

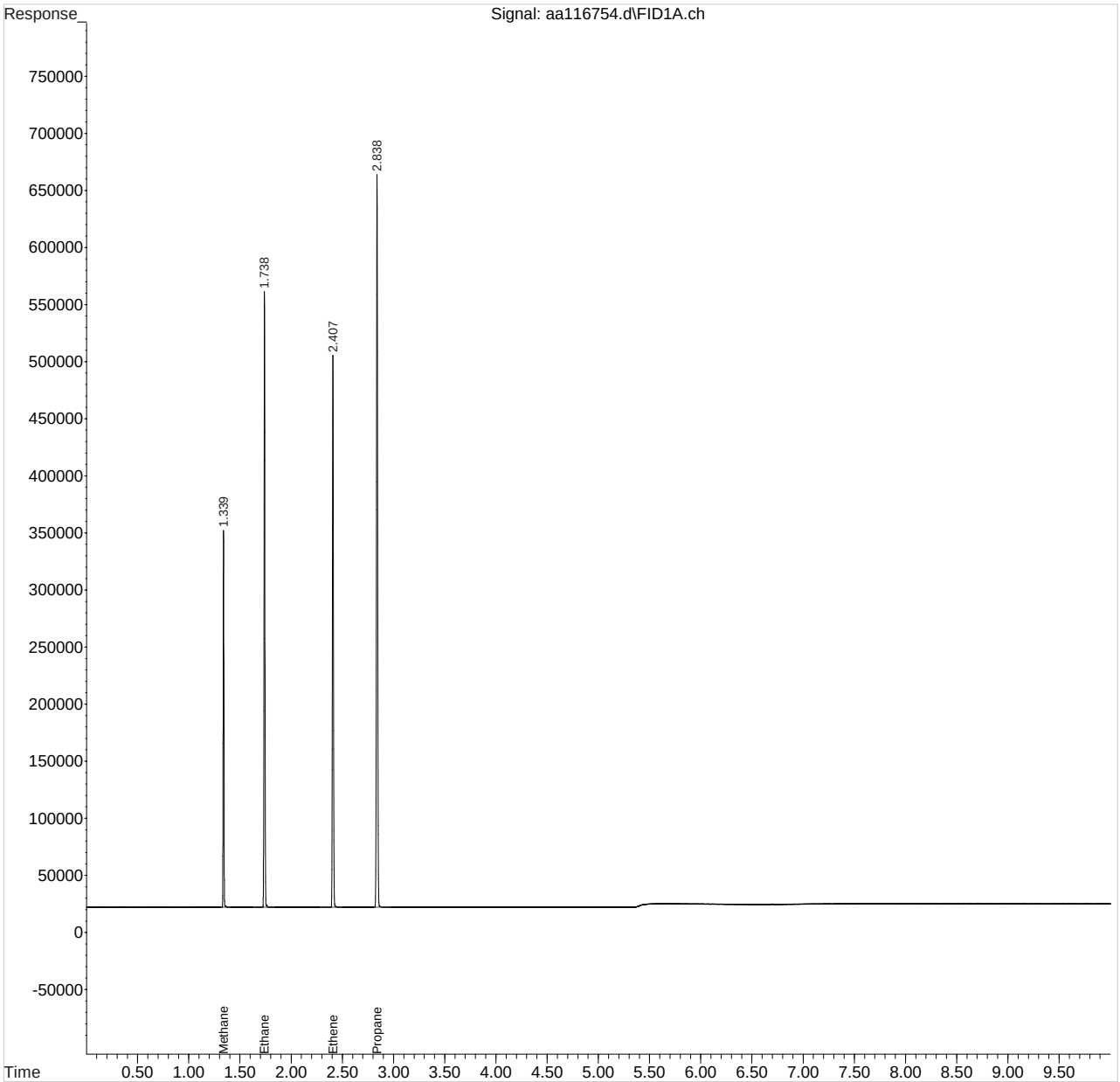
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa116754.d
Signal(s) : FID1A.ch
Acq On : 25 Jul 2025 2:27 pm
Operator : williamc
Sample : icc3333-100
Misc : GC65024,GAA3333,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jul 25 14:37:50 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Mon Jul 14 10:45:48 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa116755.d
Signal(s) : FID1A.ch
Acq On : 25 Jul 2025 2:40 pm
Operator : williamc
Sample : ic3333-200
Misc : GC65024,GAA3333,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jul 25 14:50:53 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Mon Jul 14 10:45:48 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	1.340	3299909	209.226	PPMV
2)	Ethane	1.739	6377027	213.743	PPMV
3)	Ethene	2.407f	6397977	212.608	PPMV
4)	Propane	2.838	9876936	234.545	PPMV

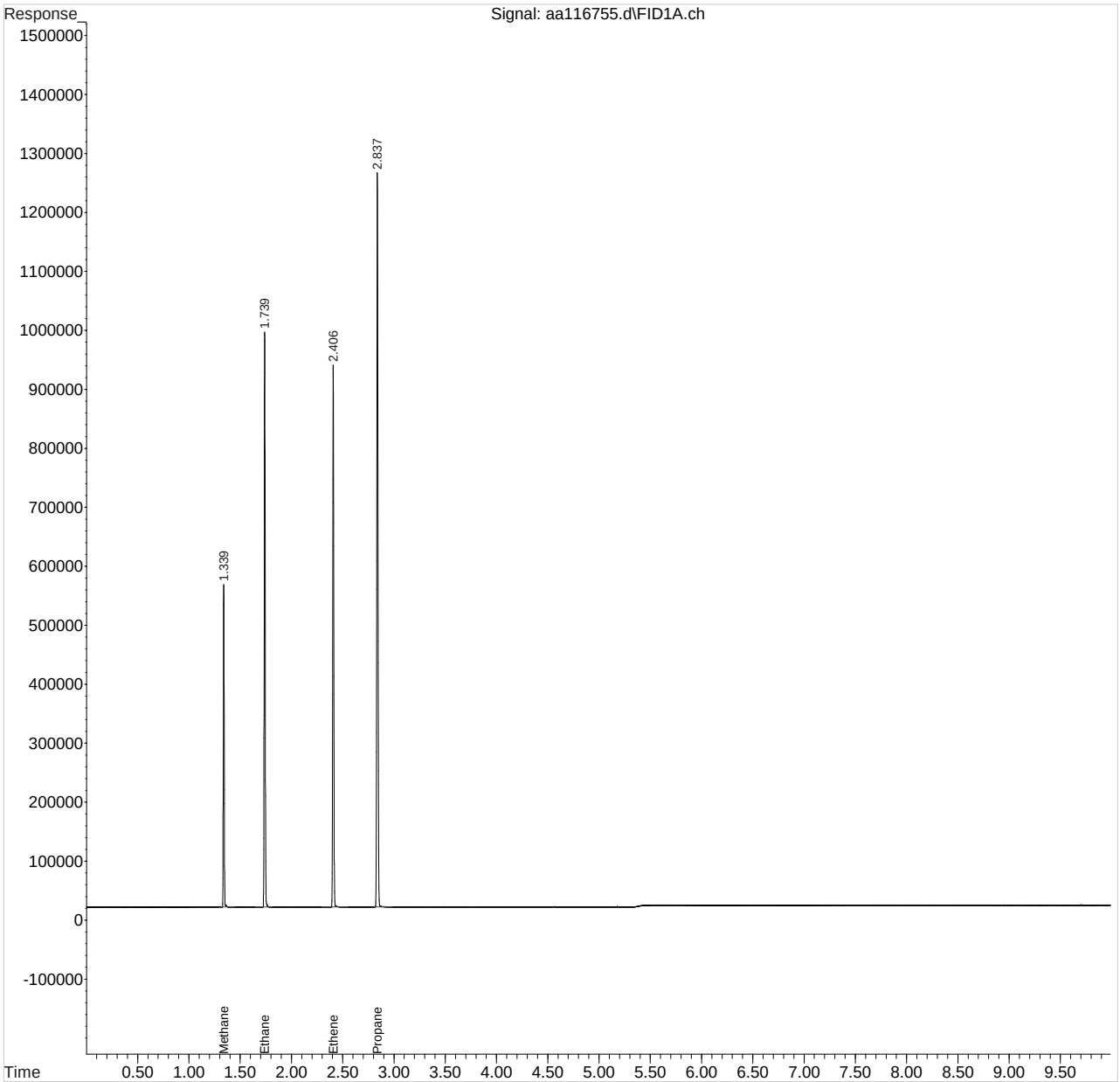
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa116755.d
Signal(s) : FID1A.ch
Acq On : 25 Jul 2025 2:40 pm
Operator : williamc
Sample : ic3333-200
Misc : GC65024,GAA3333,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jul 25 14:50:53 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Mon Jul 14 10:45:48 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa116756.d
Signal(s) : FID1A.ch
Acq On : 25 Jul 2025 2:53 pm
Operator : williamc
Sample : ic3333-500
Misc : GC65024,GAA3333,,,,,1
ALS Vial : 7 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jul 25 15:03:48 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Mon Jul 14 10:45:48 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	1.336	7704500	488.493	PPMV
2)	Ethane	1.737	14845864	497.598	PPMV
3)	Ethene	2.405	14912547	495.551	PPMV
4)	Propane	2.836	22837510	542.316	PPMV

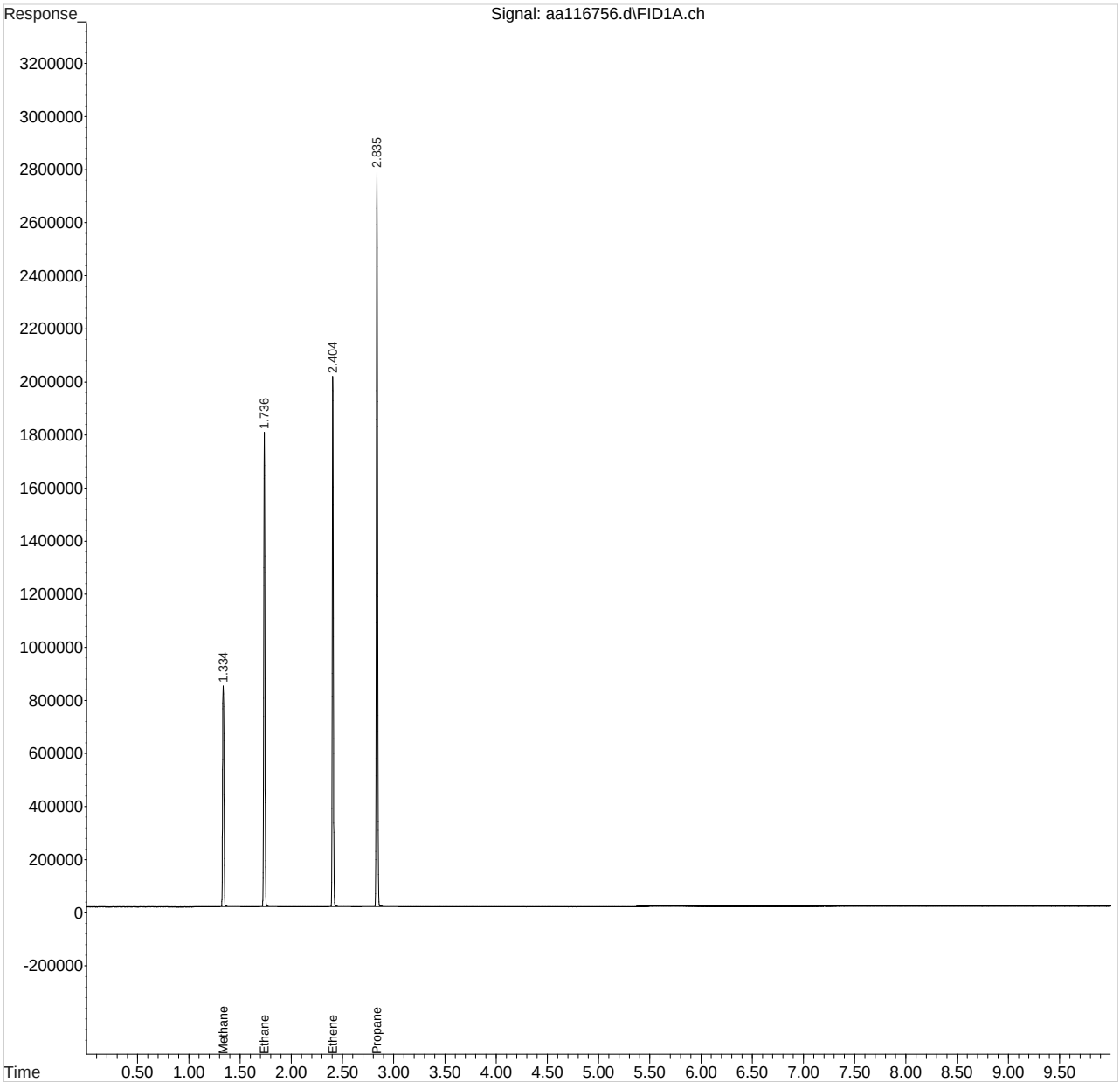
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa116756.d
Signal(s) : FID1A.ch
Acq On : 25 Jul 2025 2:53 pm
Operator : williamc
Sample : ic3333-500
Misc : GC65024,GAA3333,,,,,1
ALS Vial : 7 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jul 25 15:03:48 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Mon Jul 14 10:45:48 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa116757.d
Signal(s) : FID1A.ch
Acq On : 25 Jul 2025 3:06 pm
Operator : williamc
Sample : ic3333-1000
Misc : GC65024,GAA3333,,,,,1
ALS Vial : 8 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jul 25 15:16:56 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Mon Jul 14 10:45:48 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	1.316f	15658088	992.778	PPMV
2)	Ethane	1.717	30044866	1007.032	PPMV
3)	Ethene	2.394	30152286	1001.975	PPMV
4)	Propane	2.828	46124946	1095.317	PPMV

(f)=RT Delta > 1/2 Window (m)=manual int.

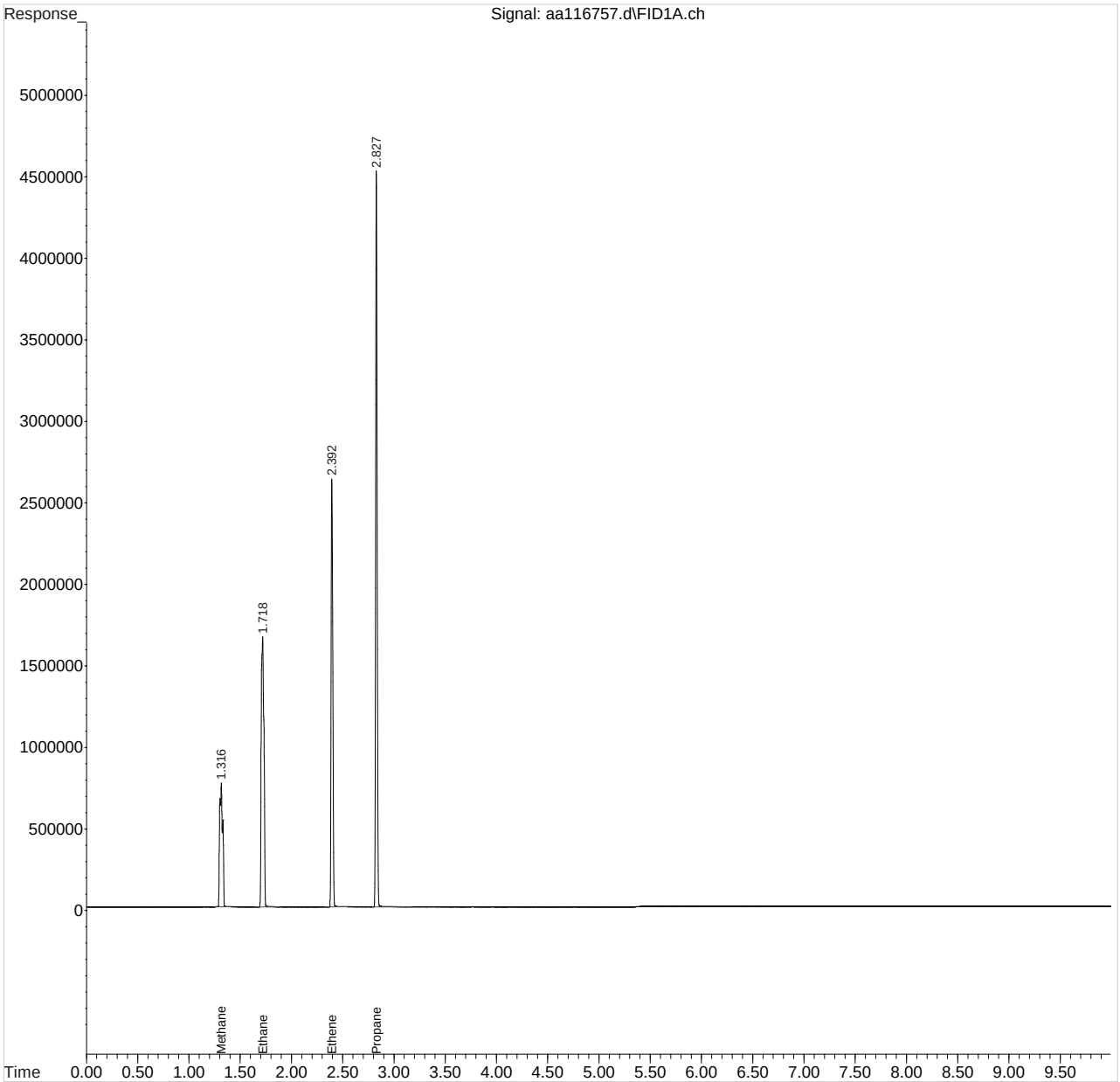
11.8.6 11

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa116757.d
Signal(s) : FID1A.ch
Acq On : 25 Jul 2025 3:06 pm
Operator : williamc
Sample : ic3333-1000
Misc : GC65024,GAA3333,,,,,1
ALS Vial : 8 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jul 25 15:16:56 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Mon Jul 14 10:45:48 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



AA116759.D

Manual Integrations APPROVED (compounds with "m" flag)

Kanya Veerawat 07/28/25 10:57

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa116759.d
Signal(s) : FID1A.ch
Acq On : 25 Jul 2025 3:46 pm
Operator : williamc
Sample : ic3333-1
Misc : GC65024,GAA3333,,,,,1
ALS Vial : 10 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jul 25 15:57:19 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Mon Jul 14 10:45:48 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df

	Compound	R.T.	Response	Conc Units
Target Compounds				
1)	Methane	1.335	17929	1.137 PPMV m
2)	Ethane	1.736	33505	1.123 PPMV
3)	Ethene	2.407f	34721	1.154 PPMV
4)	Propane	2.839	49584	1.177 PPMV

(f)=RT Delta > 1/2 Window (m)=manual int.

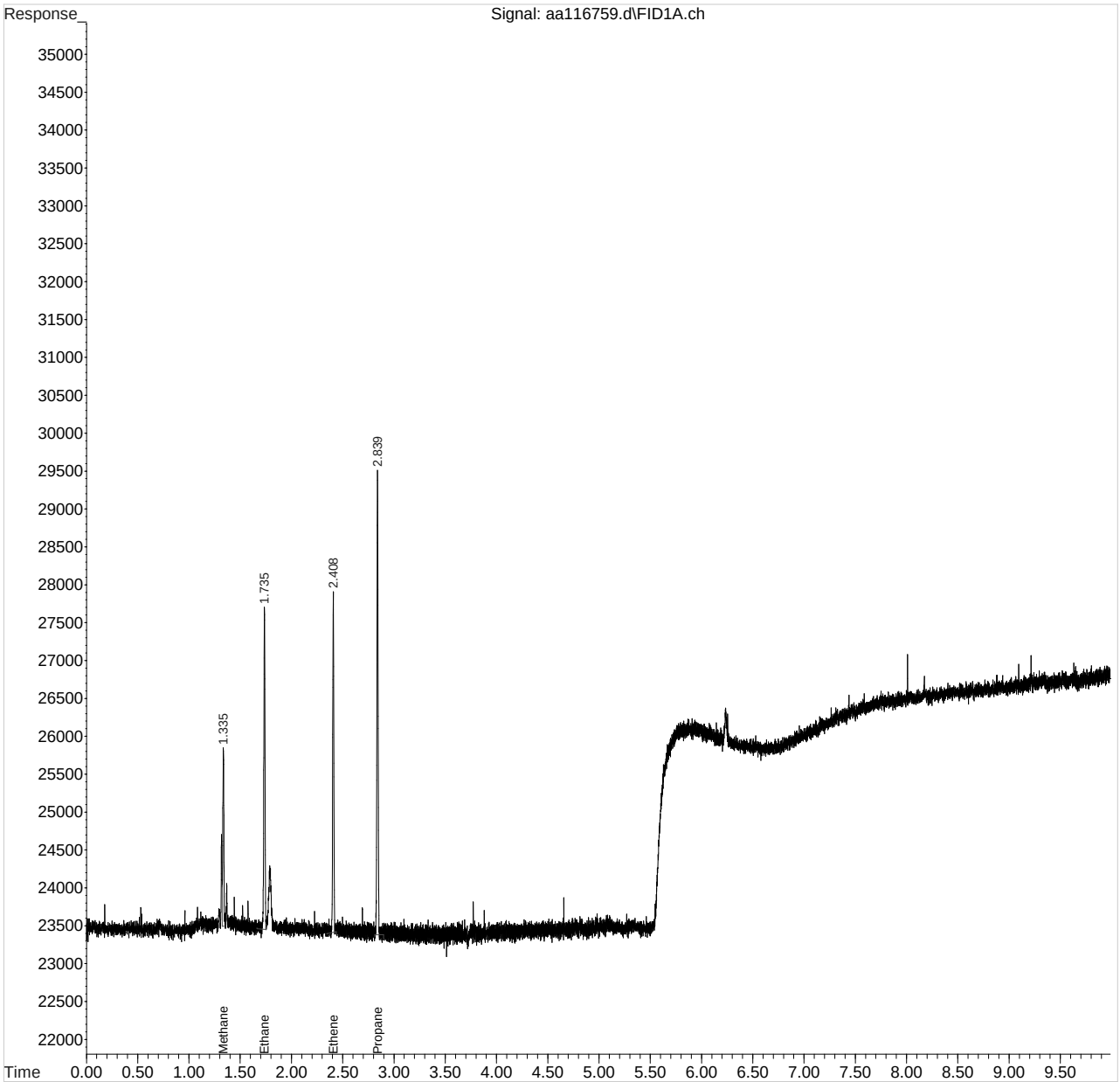
11.8.7 11

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa116759.d
Signal(s) : FID1A.ch
Acq On : 25 Jul 2025 3:46 pm
Operator : williamc
Sample : ic3333-1
Misc : GC65024,GAA3333,,,,,1
ALS Vial : 10 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jul 25 15:57:19 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Mon Jul 14 10:45:48 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



Manual Integration Approval Summary

Sample Number: GAA3333-IC3333 **Method:** RSK-175
Lab FileID: AA116759.D **Analyst approved:** 07/25/25 16:32 William Cruser
Injection Time: 07/25/25 15:46 **Supervisor approved:** 07/28/25 10:57 Kanya Veerawat

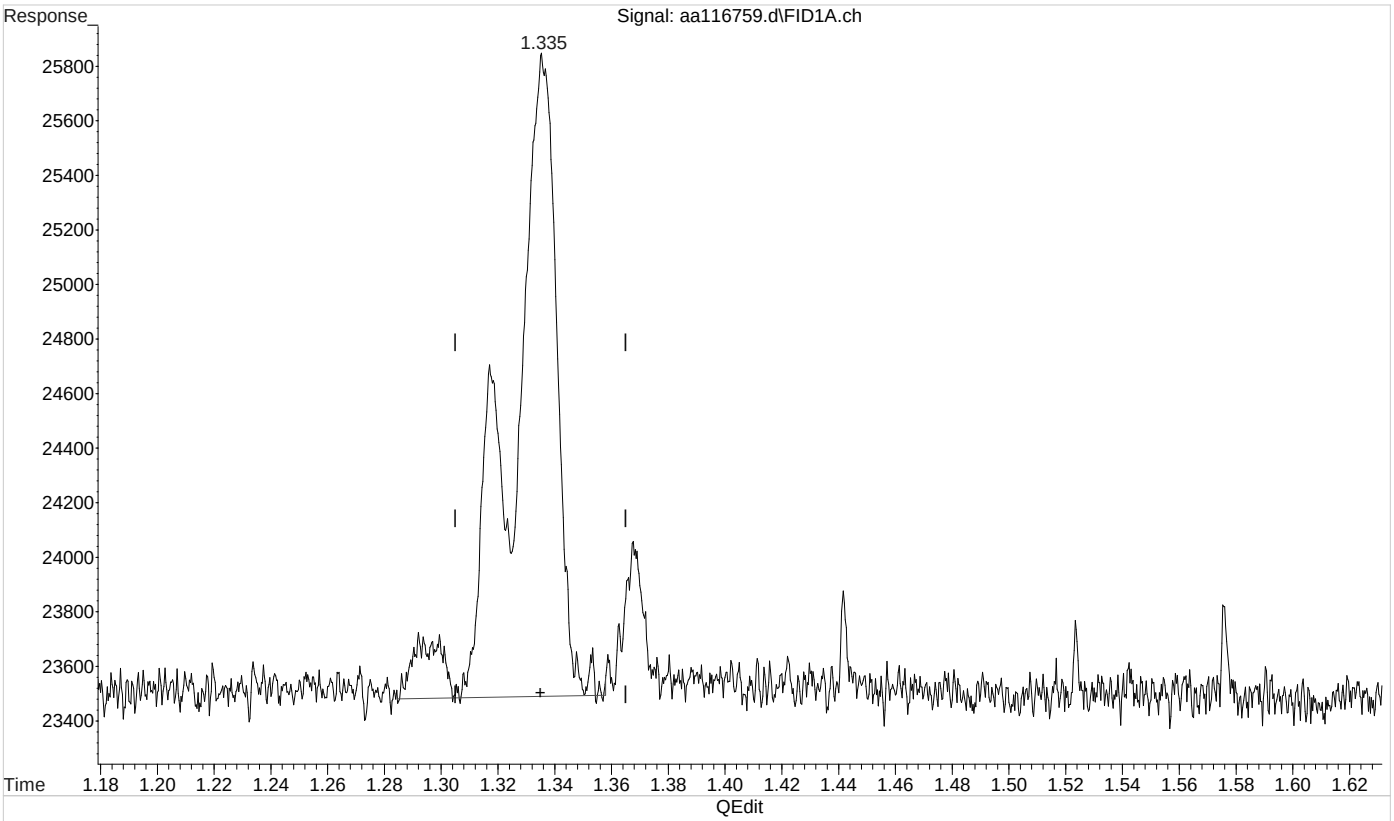
Parameter	CAS	Sig#	R.T. (min.)	Reason
Methane	74-82-8	1	1.34	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa116759.d
Signal(s) : FID1A.ch
Acq On : 25 Jul 2025 3:46 pm
Operator : williamc
Sample : ic3333-1
Misc : GC65024,GAA3333,,,,,1
ALS Vial : 10 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jul 25 15:56:43 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Mon Jul 14 10:45:48 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



(1) Methane

1.336min 1.682PPMV

response 26529

(+) = Expected Retention Time
MAA3333.M Fri Jul 25 15:57:16 2025 AA

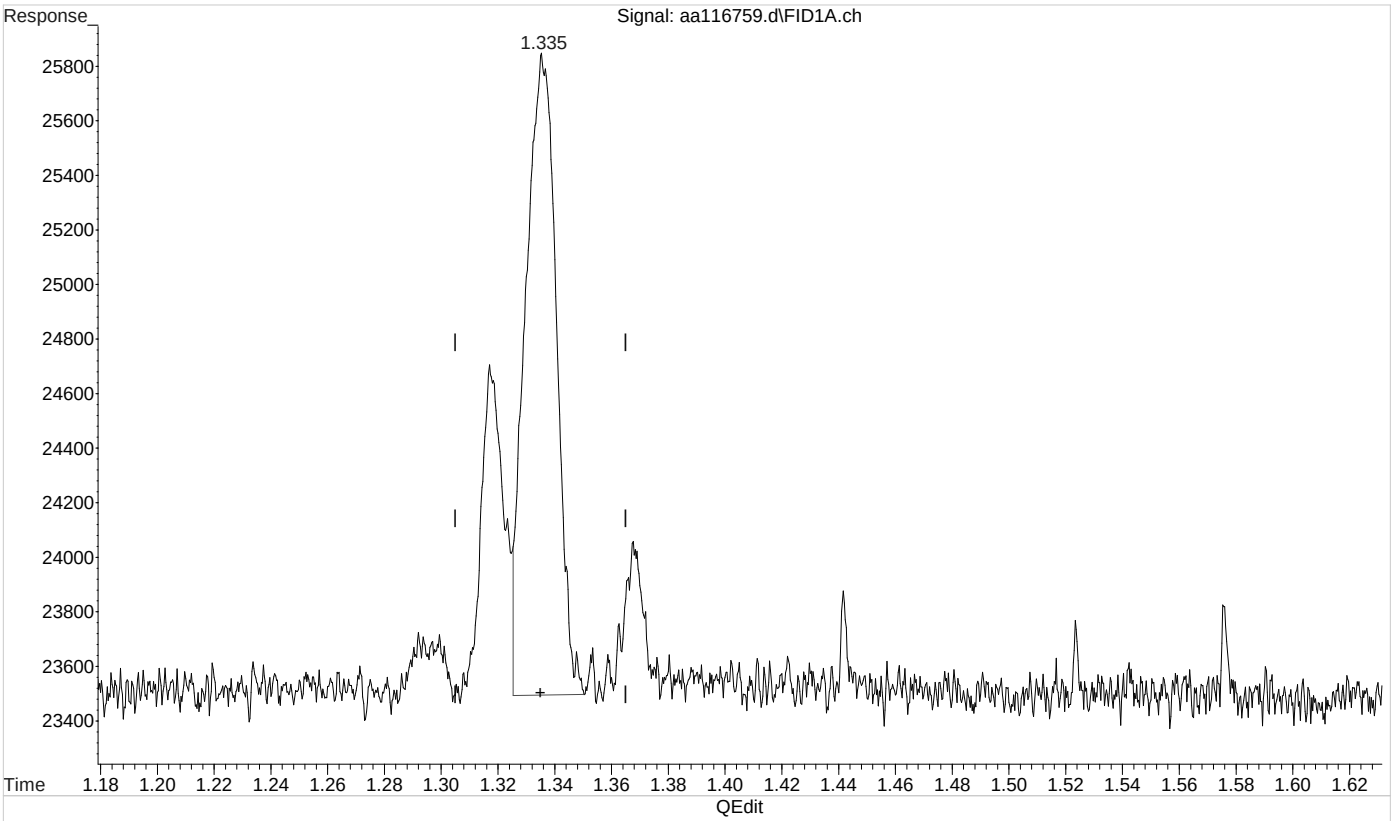
11.8.7.2

Quantitation Report (Qedit)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa116759.d
Signal(s) : FID1A.ch
Acq On : 25 Jul 2025 3:46 pm
Operator : williamc
Sample : ic3333-1
Misc : GC65024,GAA3333,,,,,1
ALS Vial : 10 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jul 25 15:56:43 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Mon Jul 14 10:45:48 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



(1) Methane

1.335min 1.137PPMV m

response 17929

(+) = Expected Retention Time
MAA3333.M Fri Jul 25 15:57:22 2025 AA

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 07/28/25 10:57

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa116760.d
Signal(s) : FID1A.ch
Acq On : 25 Jul 2025 3:59 pm
Operator : williamc
Sample : ic3333-2
Misc : GC65024,GAA3333,,,,,1
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jul 25 16:10:16 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Mon Jul 14 10:45:48 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df

	Compound	R.T.	Response	Conc Units
Target Compounds				
1)	Methane	1.335	31454	1.994 PPMV
2)	Ethane	1.736	56573	1.896 PPMV
3)	Ethene	2.406f	55819	1.855 PPMV m
4)	Propane	2.837	87326	2.074 PPMV

(f)=RT Delta > 1/2 Window (m)=manual int.

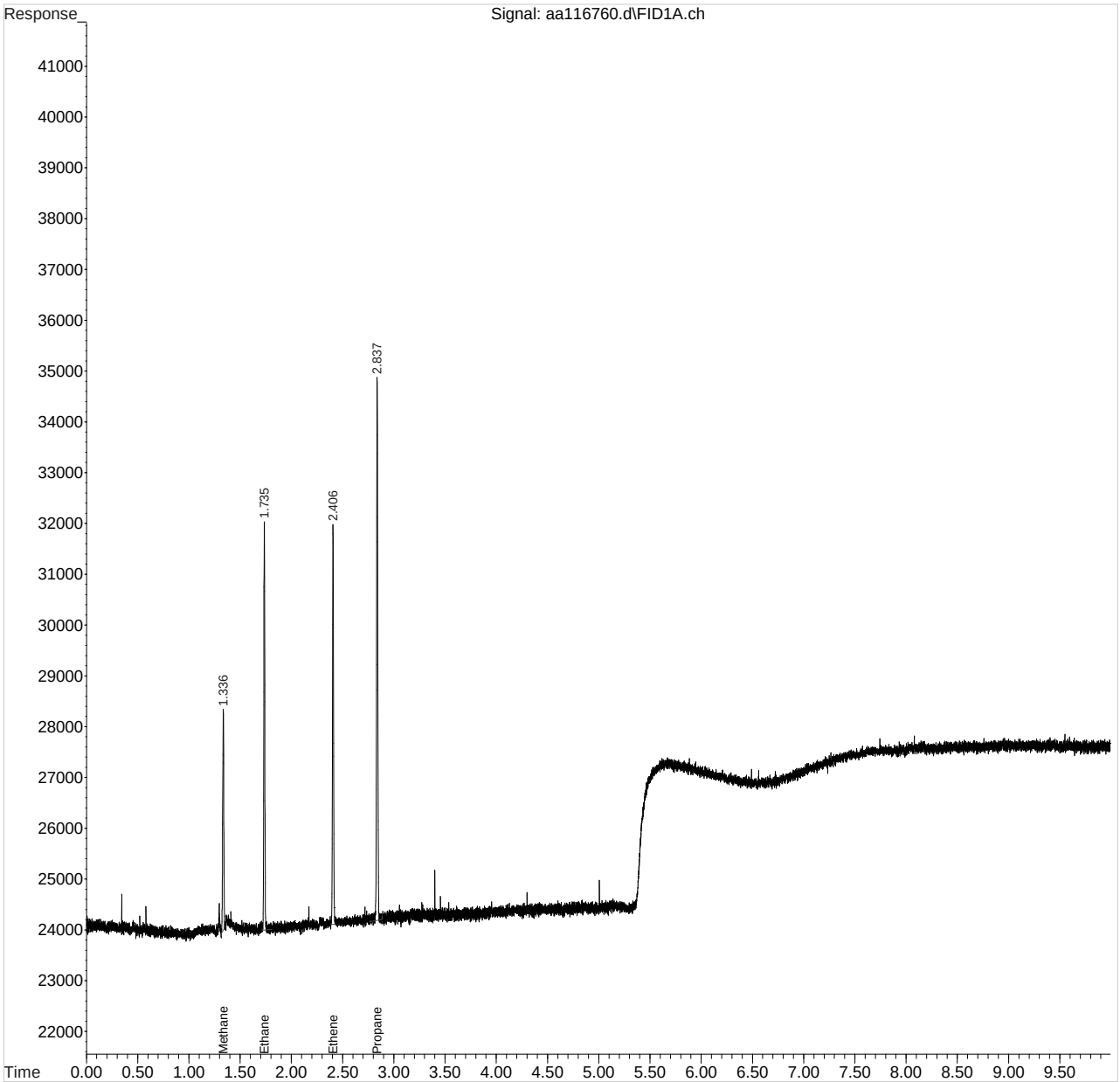
11.8.8 11

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa116760.d
Signal(s) : FID1A.ch
Acq On : 25 Jul 2025 3:59 pm
Operator : williamc
Sample : ic3333-2
Misc : GC65024,GAA3333,,,,,1
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jul 25 16:10:16 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Mon Jul 14 10:45:48 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



Manual Integration Approval Summary

Sample Number: GAA3333-IC3333
Lab FileID: AA116760.D
Injection Time: 07/25/25 15:59
Method: RSK-175
Analyst approved: 07/25/25 16:32 William Cruser
Supervisor approved: 07/28/25 10:57 Kanya Veerawat

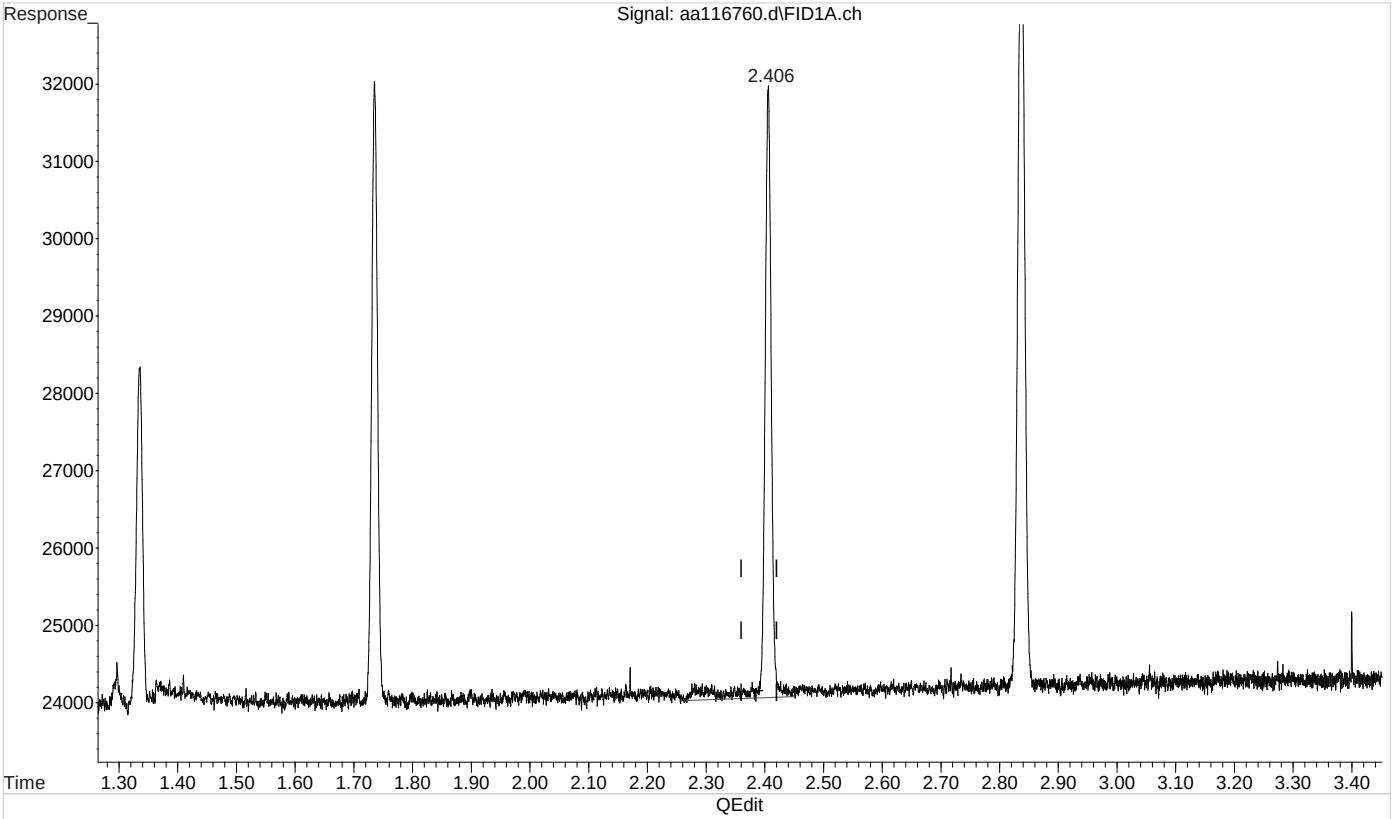
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethene	74-85-1	1	2.41	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa116760.d
Signal(s) : FID1A.ch
Acq On : 25 Jul 2025 3:59 pm
Operator : williamc
Sample : ic3333-2
Misc : GC65024,GAA3333,,,,,1
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jul 25 16:09:37 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Mon Jul 14 10:45:48 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



(3) Ethene

2.406min 2.122PPMV

response 63852

(+) = Expected Retention Time
MAA3333.M Fri Jul 25 16:10:08 2025 AA

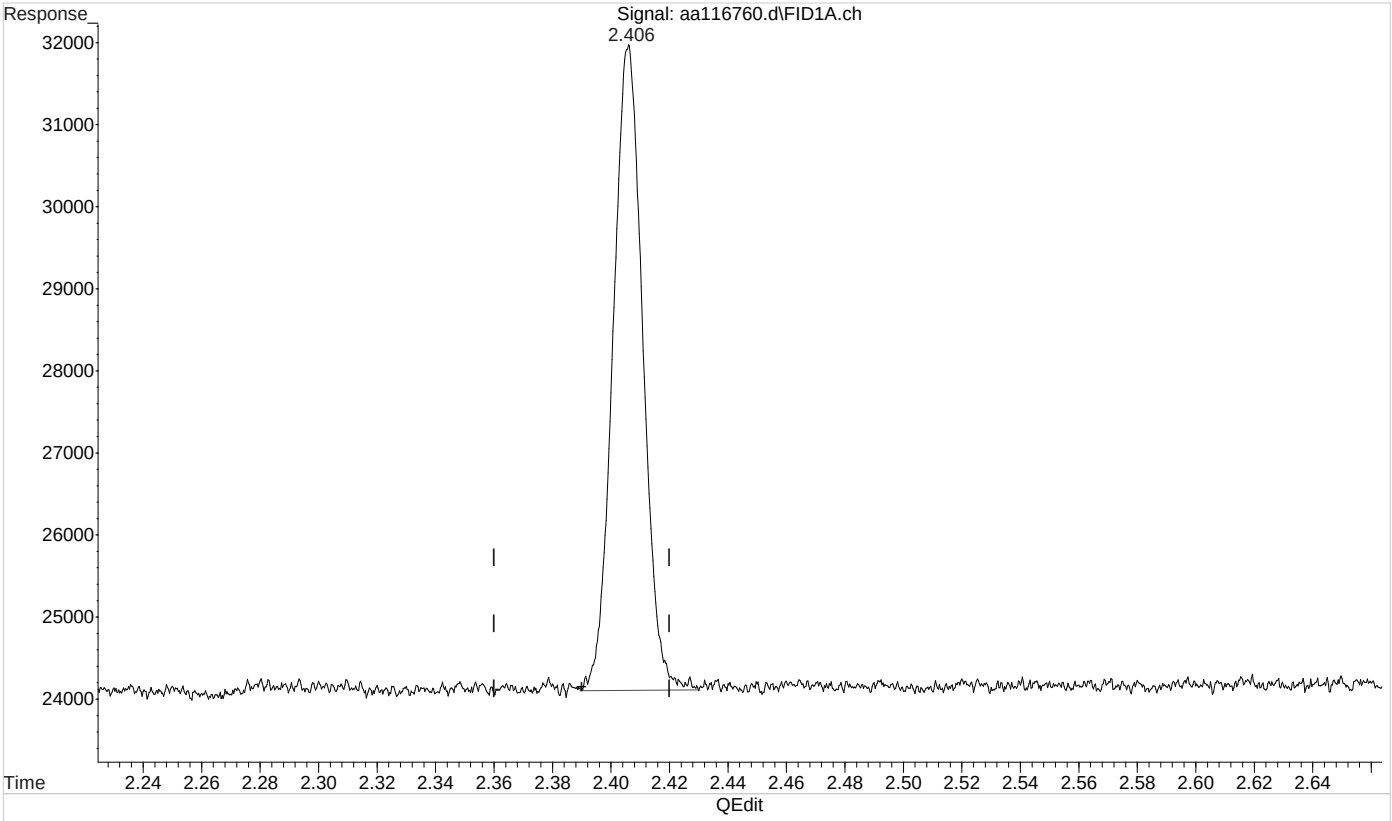
11.8.8.2
11

Quantitation Report (Qedit)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa116760.d
Signal(s) : FID1A.ch
Acq On : 25 Jul 2025 3:59 pm
Operator : williamc
Sample : ic3333-2
Misc : GC65024,GAA3333,,,,,1
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jul 25 16:09:37 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Mon Jul 14 10:45:48 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



(3) Ethene

2.406min 1.855PPMV m

response 55819

(+) = Expected Retention Time
MAA3333.M Fri Jul 25 16:10:19 2025 AA

11.8.8.3
11

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa116761.d
Signal(s) : FID1A.ch
Acq On : 25 Jul 2025 4:13 pm
Operator : williamc
Sample : icv3333-100
Misc : GC65024,GAA3333,,,,,1
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jul 25 16:23:52 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df

	Compound	R.T.	Response	Conc Units
Target Compounds				
1)	Methane	1.338	1558496	95.080 PPMV
2)	Ethane	1.738	2991336	96.364 PPMV
3)	Ethene	2.406	2996463	95.919 PPMV
4)	Propane	2.838	4247792	89.419 PPMV

(f)=RT Delta > 1/2 Window (m)=manual int.

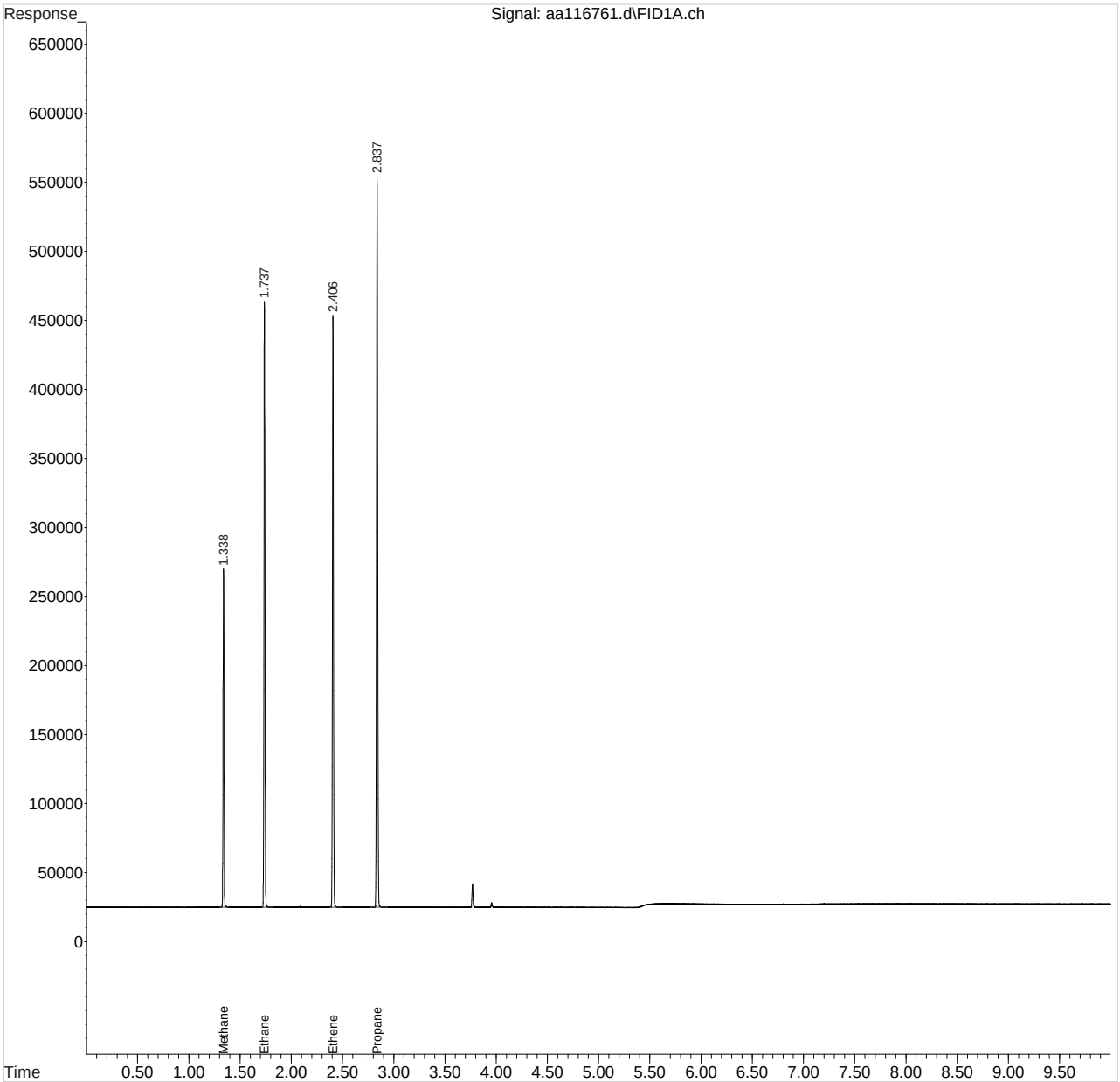
11.8.9 11

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa116761.d
Signal(s) : FID1A.ch
Acq On : 25 Jul 2025 4:13 pm
Operator : williamc
Sample : icv3333-100
Misc : GC65024,GAA3333,,,,,1
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jul 25 16:23:52 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118139.d
Signal(s) : FID1A.ch
Acq On : 22 Oct 2025 6:05 am
Operator : williamc
Sample : cc3333-100
Misc : GC65408,GAA3393,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 22 06:15:50 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	1.341	1656339	101.049	PPMV
2)	Ethane	1.741	3172377	102.196	PPMV
3)	Ethene	2.411	3182170	101.864	PPMV
4)	Propane	2.842	4855528	102.213	PPMV

(f)=RT Delta > 1/2 Window (m)=manual int.

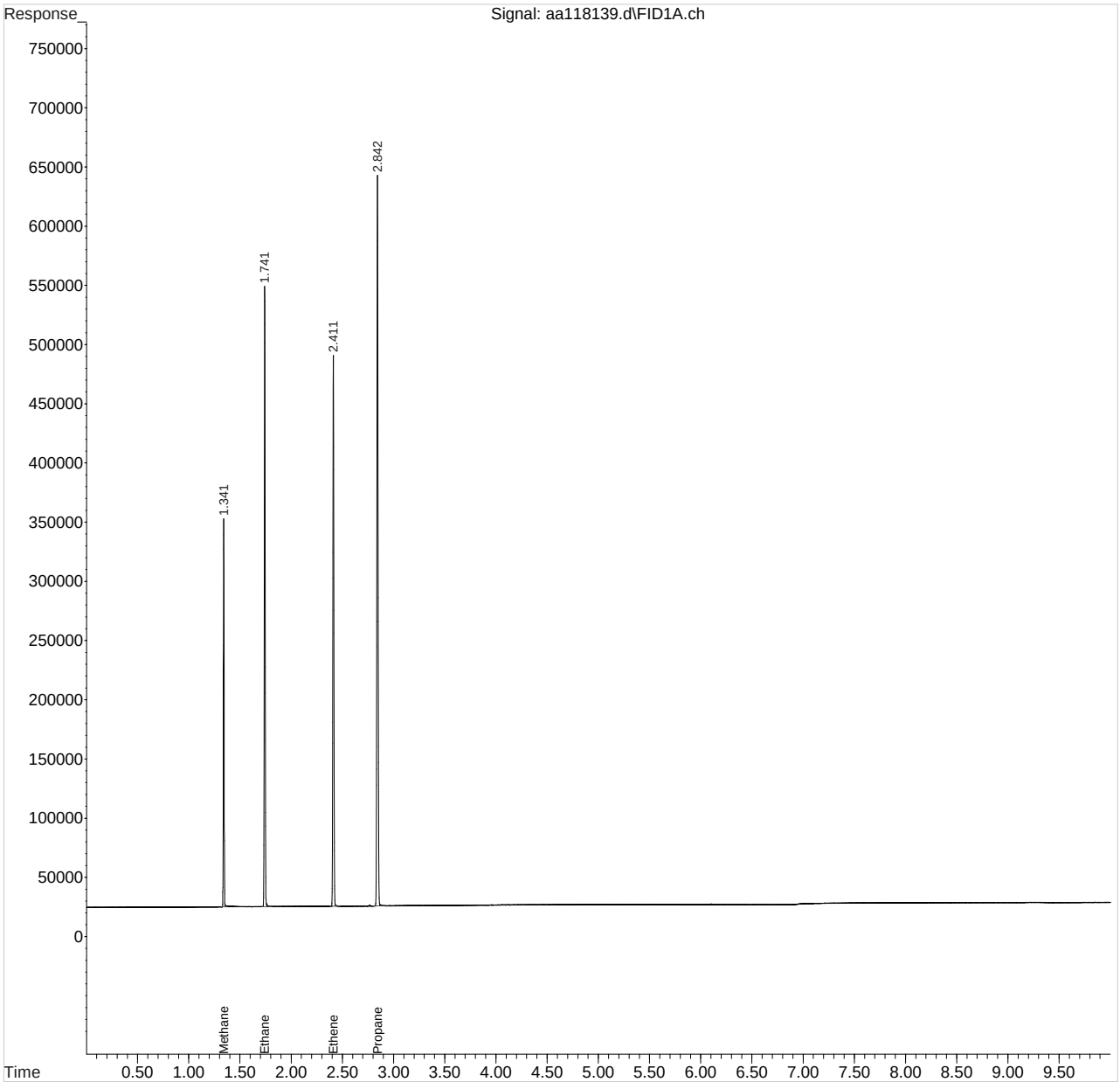
11.8.10 11

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118139.d
Signal(s) : FID1A.ch
Acq On : 22 Oct 2025 6:05 am
Operator : williamc
Sample : cc3333-100
Misc : GC65408,GAA3393,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 22 06:15:50 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118158.d
Signal(s) : FID1A.ch
Acq On : 22 Oct 2025 10:39 am
Operator : williamc
Sample : cc3333-100
Misc : GC65402,GAA3393,,,,,1
ALS Vial : 20 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 22 10:50:01 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	1.341	1621817	98.943	PPMV
2)	Ethane	1.741	3113215	100.290	PPMV
3)	Ethene	2.412	3127579	100.117	PPMV
4)	Propane	2.842	4779081	100.604	PPMV

(f)=RT Delta > 1/2 Window (m)=manual int.

11.8.11

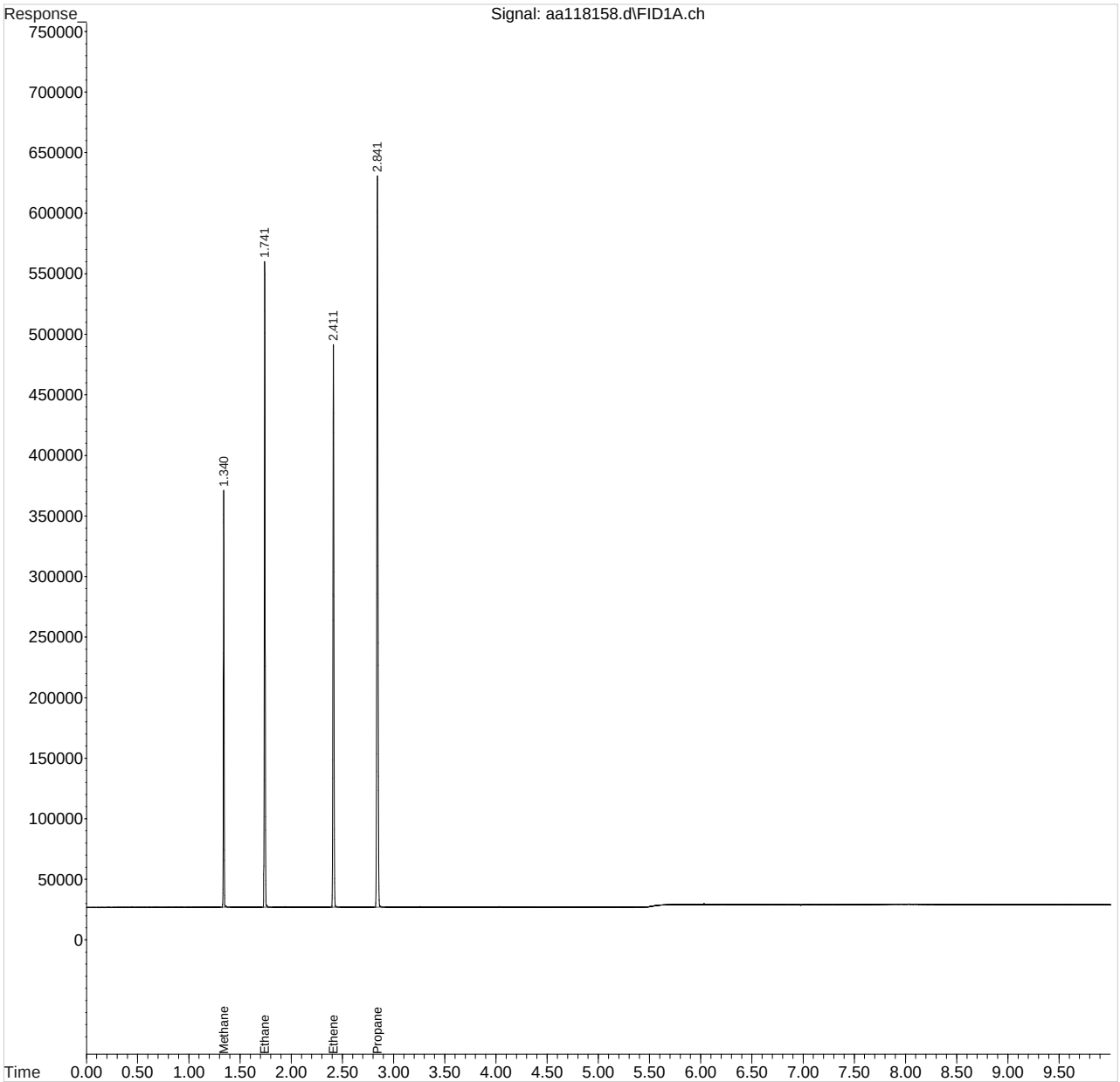
11

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118158.d
Signal(s) : FID1A.ch
Acq On : 22 Oct 2025 10:39 am
Operator : williamc
Sample : cc3333-100
Misc : GC65402,GAA3393,,,,,1
ALS Vial : 20 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 22 10:50:01 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118173.d
Signal(s) : FID1A.ch
Acq On : 22 Oct 2025 2:55 pm
Operator : williamc
Sample : cc3333-100
Misc : GC65392,GAA3393,,,,,1
ALS Vial : 35 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 22 15:05:49 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	1.336	1435063	87.550	PPMV
2)	Ethane	1.737	2748723	88.548	PPMV
3)	Ethene	2.411	2761469	88.397	PPMV
4)	Propane	2.841	4218043	88.793	PPMV

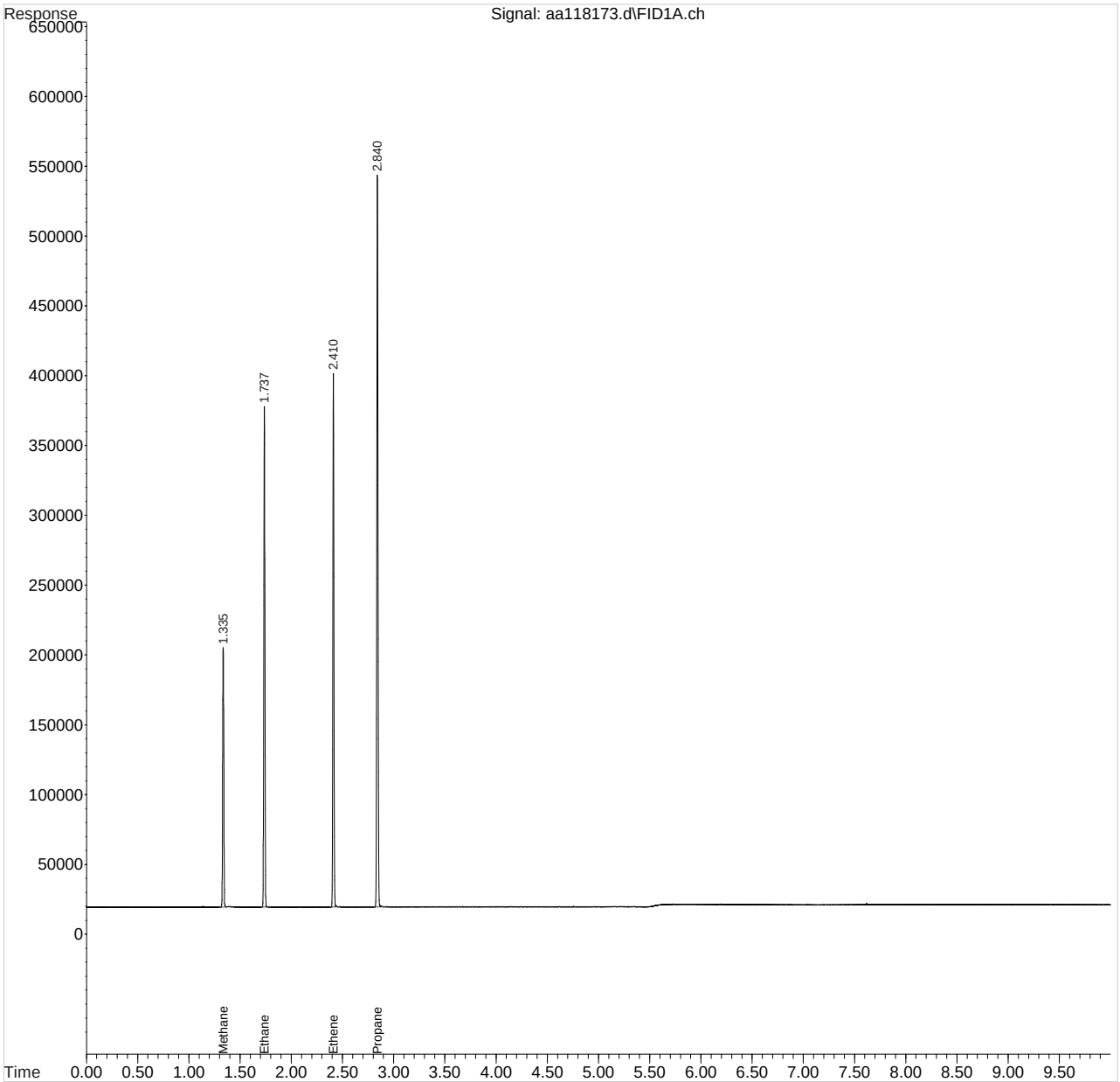
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118173.d
Signal(s) : FID1A.ch
Acq On : 22 Oct 2025 2:55 pm
Operator : williamc
Sample : cc3333-100
Misc : GC65392,GAA3393,,,,,1
ALS Vial : 35 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 22 15:05:49 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118181.d
Signal(s) : FID1A.ch
Acq On : 22 Oct 2025 4:52 pm
Operator : williamc
Sample : cc3333-100
Misc : GC65392,GAA3393,,,,,1
ALS Vial : 43 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 22 17:02:14 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	1.340	1655839	101.019	PPMV
2)	Ethane	1.741	3182902	102.535	PPMV
3)	Ethene	2.414	3196427	102.320	PPMV
4)	Propane	2.843	4883177	102.795	PPMV

(f)=RT Delta > 1/2 Window (m)=manual int.

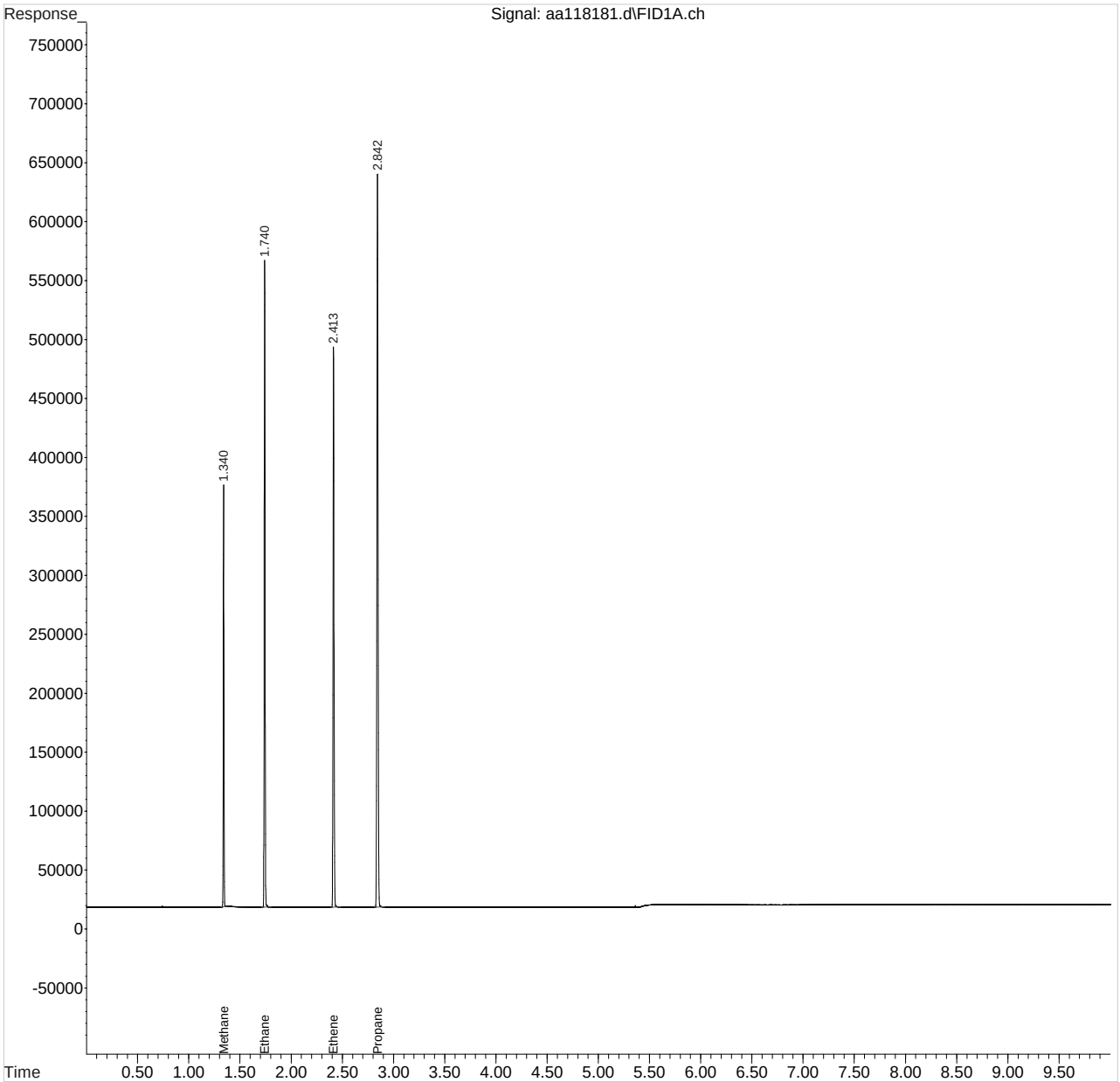
11.8.13 11

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118181.d
Signal(s) : FID1A.ch
Acq On : 22 Oct 2025 4:52 pm
Operator : williamc
Sample : cc3333-100
Misc : GC65392,GAA3393,,,,,1
ALS Vial : 43 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 22 17:02:14 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\GKM588\
Data File : KM14014.D
Signal(s) : FID1A.CH
Acq On : 09 Oct 2025 3:58 pm
Operator : johnn
Sample : IC588-200
Misc : GC65359,GKM588,5.0,,,,1
ALS Vial : 8 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 09 18:50:21 2025
Quant Method : C:\MSDCHEM\1\METHODS\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Thu Oct 09 18:50:07 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) S a,a,a-Trifluorotoluene	10.971	209303400	277.757 ug/l
Spiked Amount 300.000	Range 70 - 116	Recovery = 92.59%	
Target Compounds			
1) H TPH-GRO (C6-C10)	10.970	89843651	256.868 ug/l
2) H TPH-GRO (C6-C12)	10.970	85320459	292.522 ug/l

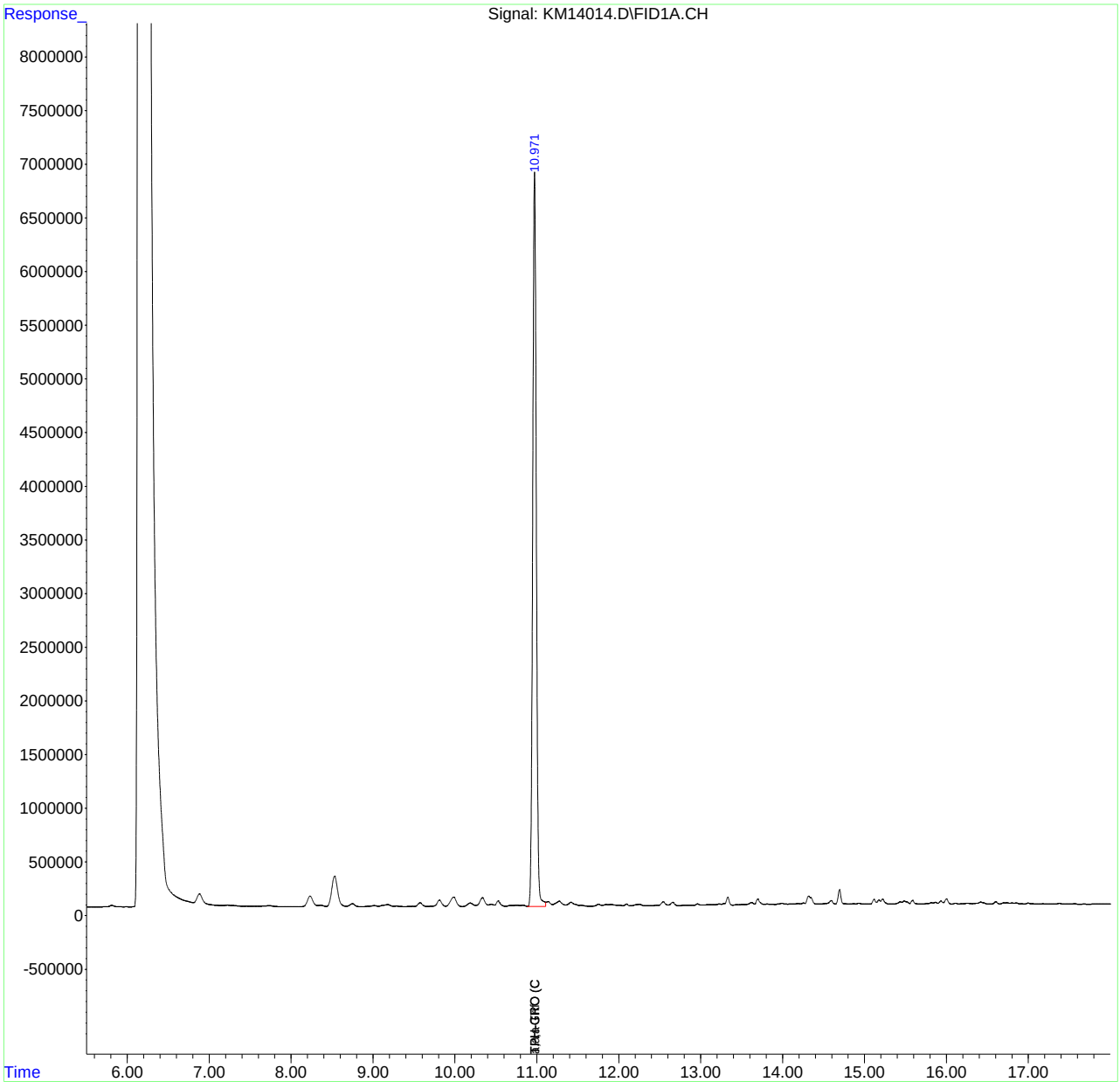
(f)=RT Delta > 1/2 Window (m)=manual int.

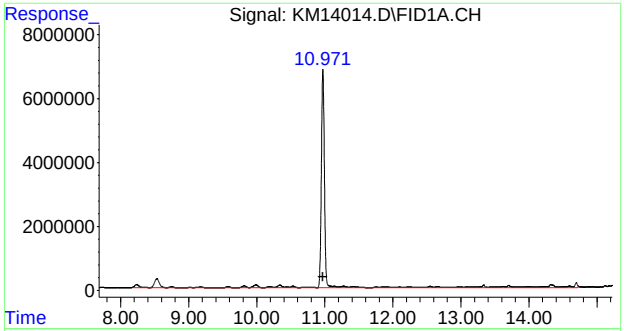
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\GKM588\
Data File : KM14014.D
Signal(s) : FID1A.CH
Acq On : 09 Oct 2025 3:58 pm
Operator : johnn
Sample : IC588-200
Misc : GC65359,GKM588,5.0,,,,1
ALS Vial : 8 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 09 18:50:21 2025
Quant Method : C:\MSDCHEM\1\METHODS\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Thu Oct 09 18:50:07 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

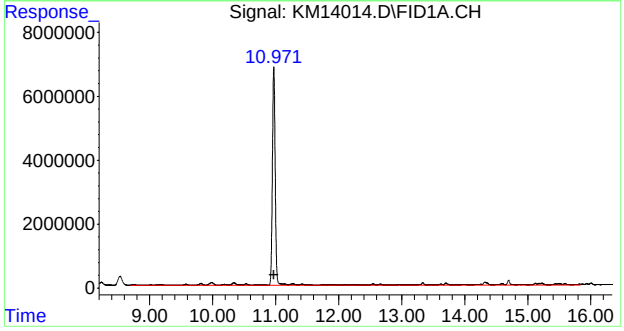
Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um





#1 TPH-GRO (C6-C10)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 89843651
Conc: 256.87 ug/l m



#2 TPH-GRO (C6-C12)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 85320459
Conc: 292.52 ug/l m

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\GKM588\
Data File : KM14015.D
Signal(s) : FID1A.CH
Acq On : 09 Oct 2025 4:23 pm
Operator : johnn
Sample : IC588-800
Misc : GC65359,GKM588,5.0,,,,1
ALS Vial : 9 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 09 18:50:22 2025
Quant Method : C:\MSDCHEM\1\METHODS\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Thu Oct 09 18:50:07 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) S a,a,a-Trifluorotoluene	10.969	210295055	279.073 ug/l
Spiked Amount 300.000	Range 70 - 116	Recovery = 93.02%	
Target Compounds			
1) H TPH-GRO (C6-C10)	10.970	284901427	814.548 ug/l
2) H TPH-GRO (C6-C12)	10.970	242615077	831.807 ug/l

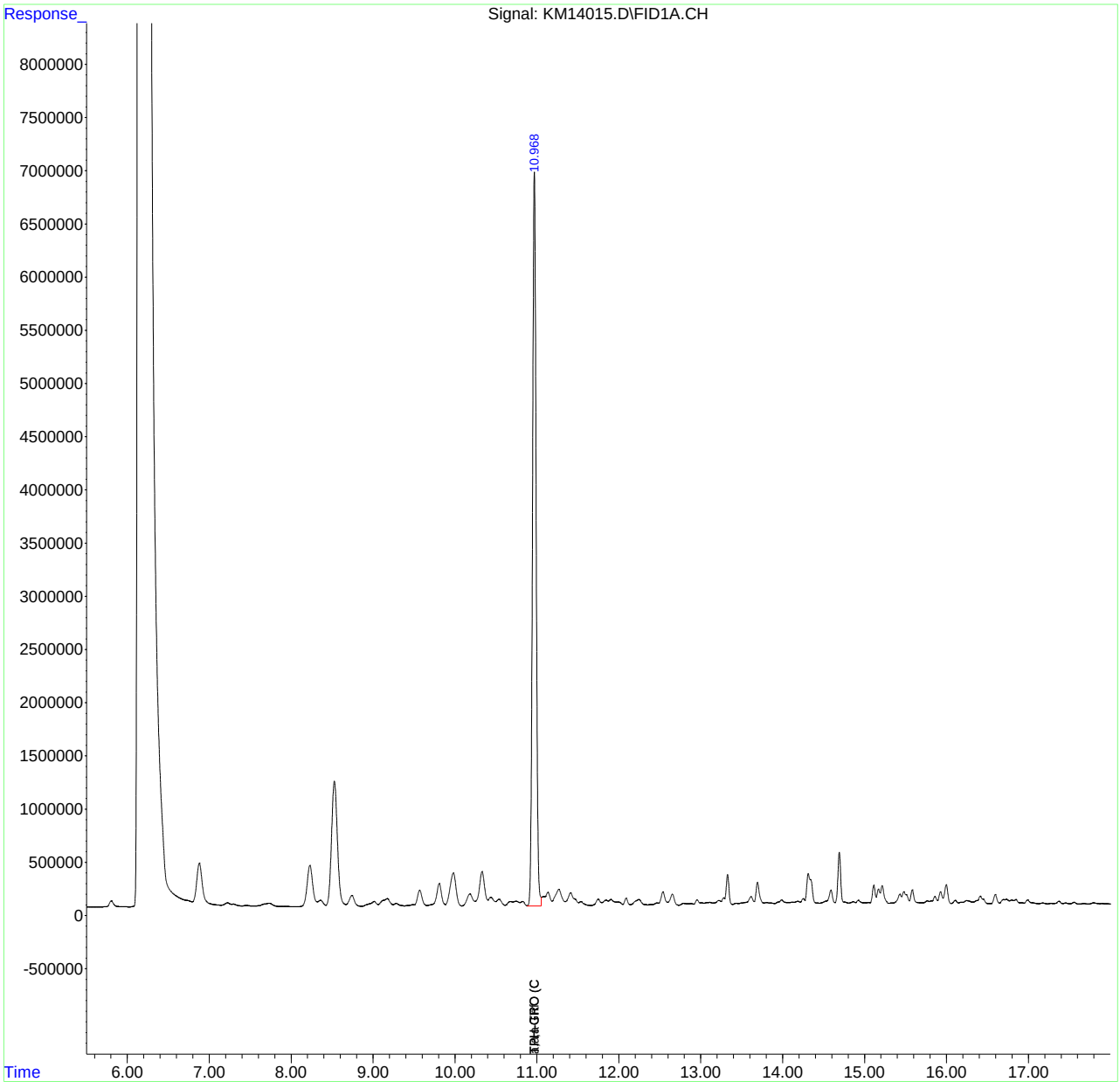
(f)=RT Delta > 1/2 Window (m)=manual int.

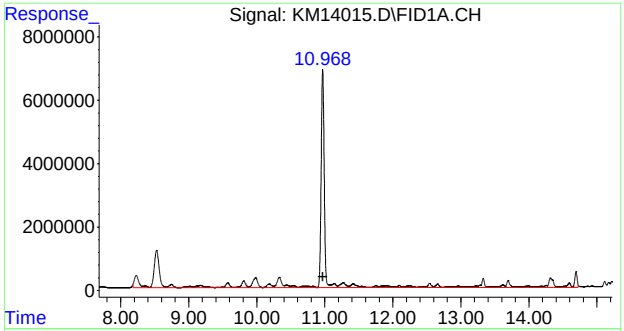
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\GKM588\
Data File : KM14015.D
Signal(s) : FID1A.CH
Acq On : 09 Oct 2025 4:23 pm
Operator : johnn
Sample : IC588-800
Misc : GC65359,GKM588,5.0,,,,1
ALS Vial : 9 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 09 18:50:22 2025
Quant Method : C:\MSDCHEM\1\METHODS\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Thu Oct 09 18:50:07 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

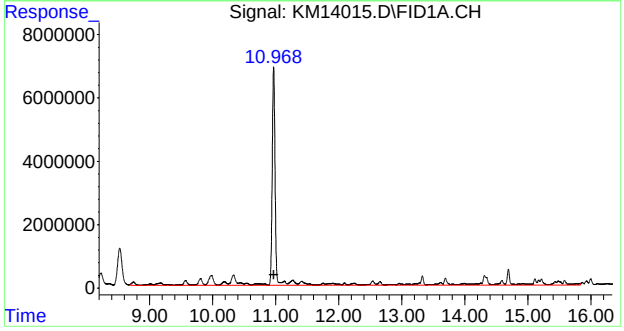
Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um





#1 TPH-GRO (C6-C10)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 284901427
Conc: 814.55 ug/l m



#2 TPH-GRO (C6-C12)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 242615077
Conc: 831.81 ug/l m

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\GKM588\
Data File : KM14016.D
Signal(s) : FID1A.CH
Acq On : 09 Oct 2025 4:49 pm
Operator : johnn
Sample : IC588-4000
Misc : GC65359,GKM588,5.0,,,,1
ALS Vial : 10 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 09 18:50:23 2025
Quant Method : C:\MSDCHEM\1\METHODS\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Thu Oct 09 18:50:07 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) S a,a,a-Trifluorotoluene	10.970	219616982	291.444 ug/l
Spiked Amount 300.000	Range 70 - 116	Recovery = 97.15%	
Target Compounds			
1) H TPH-GRO (C6-C10)	10.970	1477217736	4223.442 ug/l
2) H TPH-GRO (C6-C12)	10.970	1220920848	4185.933 ug/l

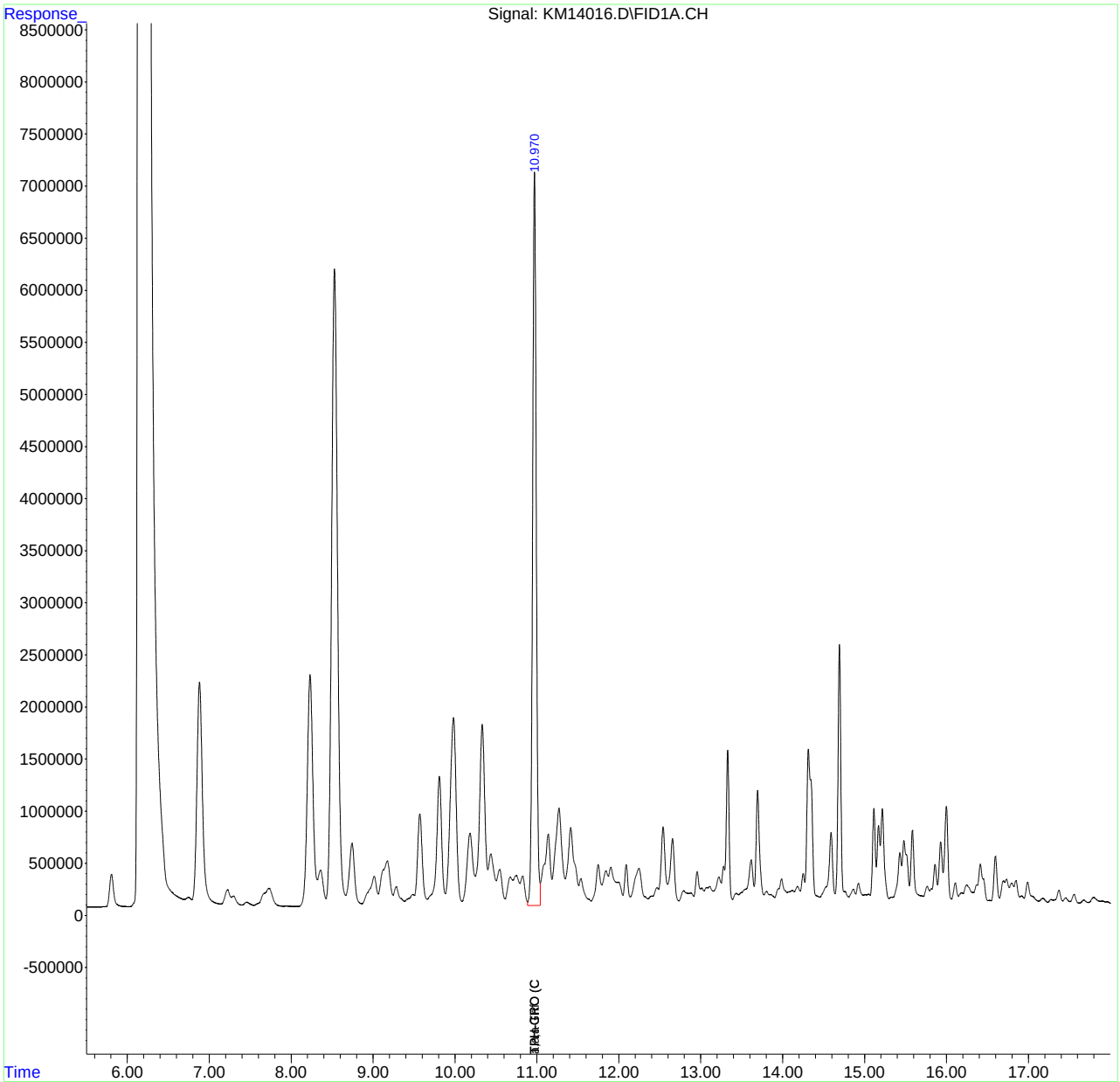
(f)=RT Delta > 1/2 Window (m)=manual int.

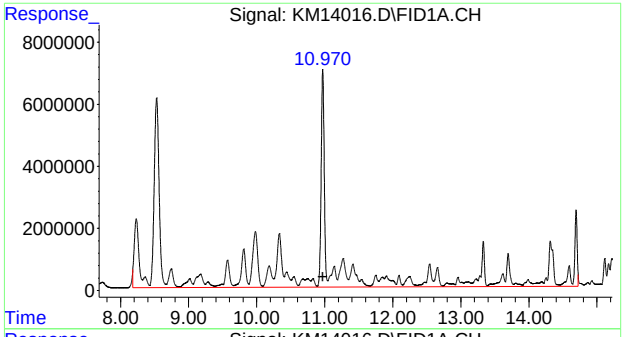
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\GKM588\
Data File : KM14016.D
Signal(s) : FID1A.CH
Acq On : 09 Oct 2025 4:49 pm
Operator : johnn
Sample : IC588-4000
Misc : GC65359,GKM588,5.0,,,,1
ALS Vial : 10 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 09 18:50:23 2025
Quant Method : C:\MSDCHEM\1\METHODS\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Thu Oct 09 18:50:07 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

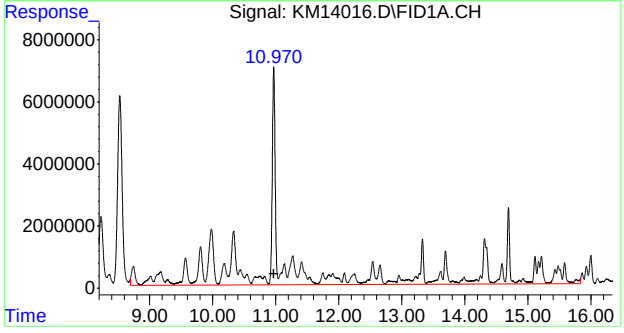
Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um





#1 TPH-GRO (C6-C10)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 1477217736
Conc: 4223.44 ug/l m



#2 TPH-GRO (C6-C12)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 1220920848
Conc: 4185.93 ug/l m

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\GKM588\
Data File : KM14017.D
Signal(s) : FID1A.CH
Acq On : 09 Oct 2025 5:15 pm
Operator : johnn
Sample : ICC588-8000
Misc : GC65359,GKM588,5.0,,,,1
ALS Vial : 11 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 09 18:50:24 2025
Quant Method : C:\MSDCHEM\1\METHODS\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Thu Oct 09 18:50:07 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) S a,a,a-Trifluorotoluene	10.969	226064251	300.000 ug/l
Spiked Amount 300.000	Range 70 - 116	Recovery = 100.00%	
Target Compounds			
1) H TPH-GRO (C6-C10)	10.970	2798130192	8000.000 ug/l
2) H TPH-GRO (C6-C12)	10.970	2333378751	8000.000 ug/l

(f)=RT Delta > 1/2 Window (m)=manual int.

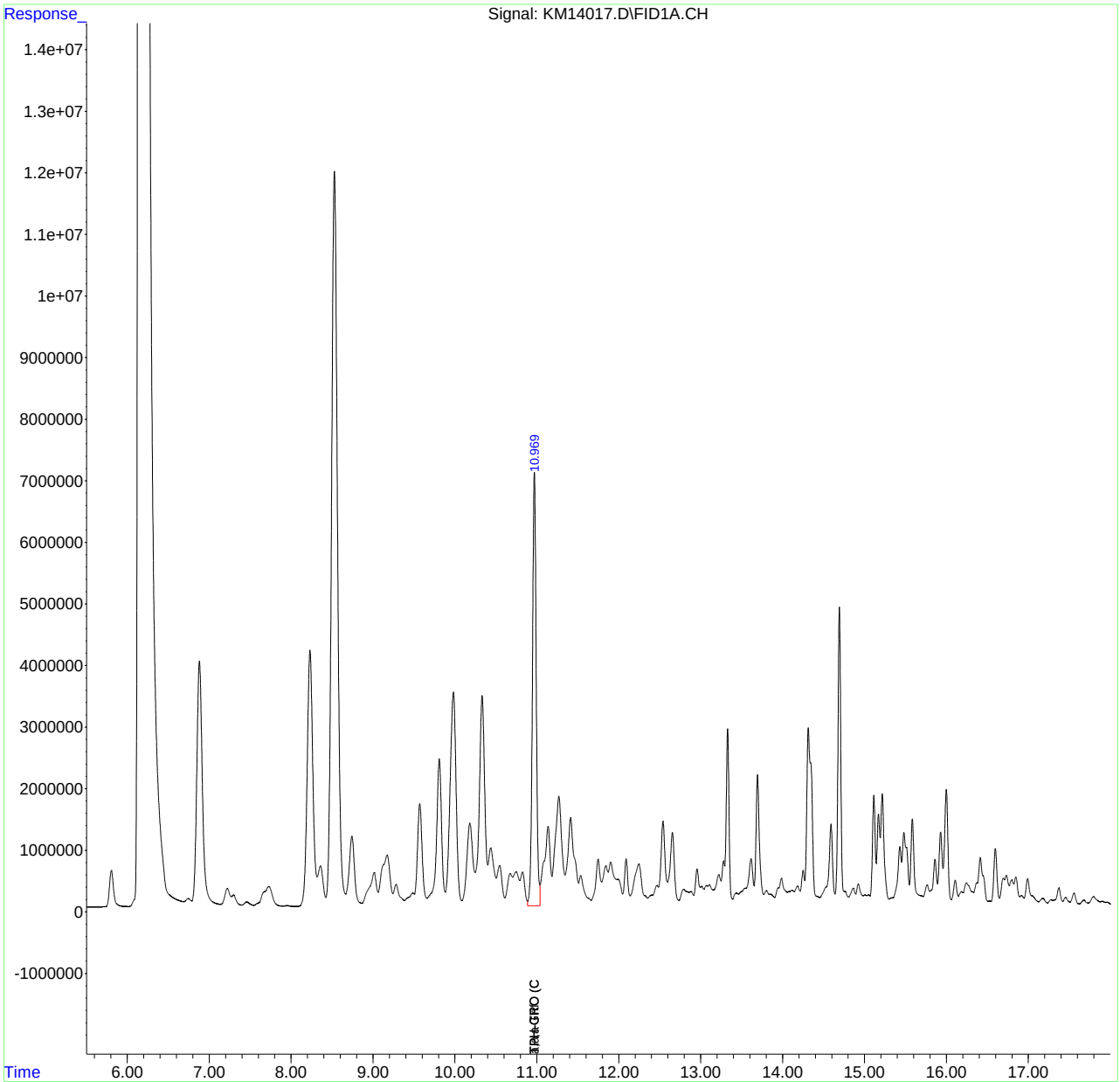
11.8.17 11

Quantitation Report (QT Reviewed)

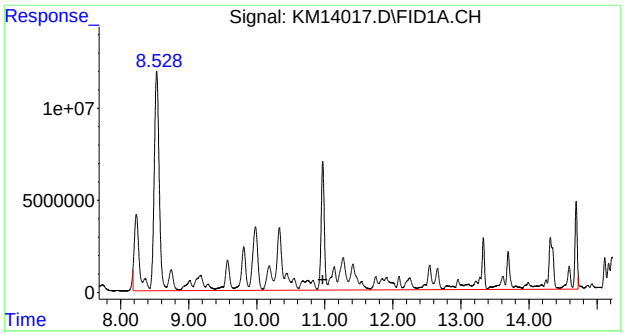
Data Path : C:\msdchem\1\DATA\GKM588\
Data File : KM14017.D
Signal(s) : FID1A.CH
Acq On : 09 Oct 2025 5:15 pm
Operator : johnn
Sample : ICC588-8000
Misc : GC65359,GKM588,5.0,,,,1
ALS Vial : 11 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 09 18:50:24 2025
Quant Method : C:\MSDCHEM\1\METHODS\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Thu Oct 09 18:50:07 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

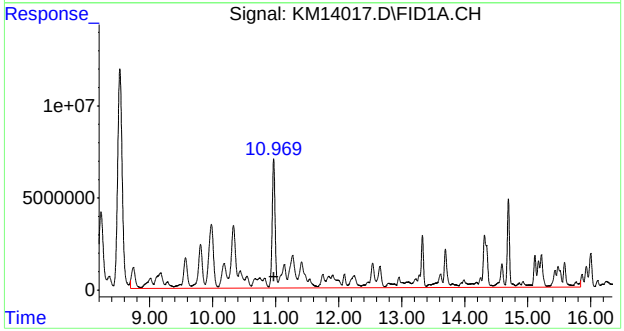


11.8.17 11



#1 TPH-GRO (C6-C10)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 2798130192
Conc: 8000.00 ug/l m



#2 TPH-GRO (C6-C12)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 2333378751
Conc: 8000.00 ug/l m

11.8.17
11

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\GKM588\
Data File : KM14018.D
Signal(s) : FID1A.CH
Acq On : 09 Oct 2025 5:41 pm
Operator : johnn
Sample : IC588-20000
Misc : GC65359,GKM588,5.0,,,,1
ALS Vial : 12 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 09 18:50:25 2025
Quant Method : C:\MSDCHEM\1\METHODS\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Thu Oct 09 18:50:07 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) S a,a,a-Trifluorotoluene	10.968	266036602	353.046 ug/l
Spiked Amount 300.000	Range 70 - 116	Recovery = 117.68%#	
Target Compounds			
1) H TPH-GRO (C6-C10)	10.970	7887732908	22551.439 ug/l
2) H TPH-GRO (C6-C12)	10.970	6651209776	22803.704 ug/l

(f)=RT Delta > 1/2 Window (m)=manual int.

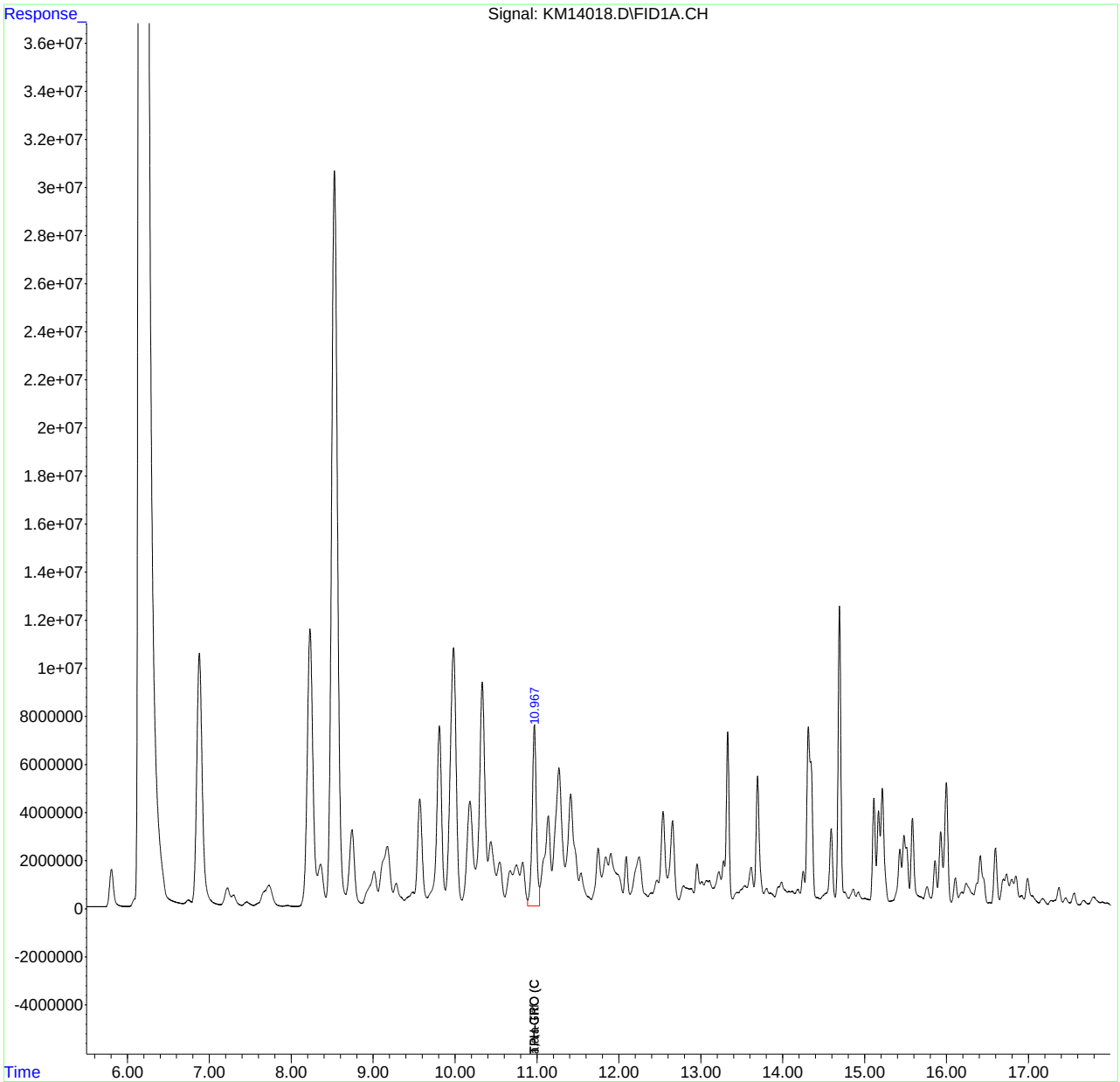
11.8.18 11

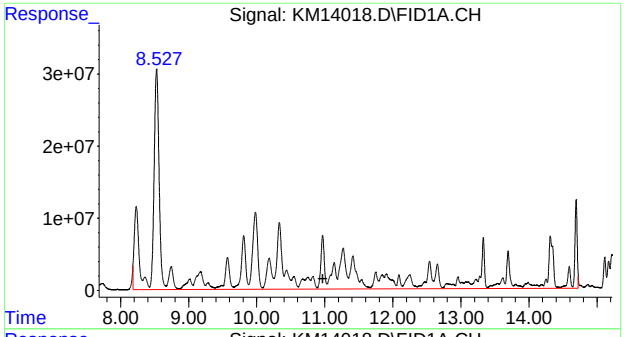
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\GKM588\
Data File : KM14018.D
Signal(s) : FID1A.CH
Acq On : 09 Oct 2025 5:41 pm
Operator : johnn
Sample : IC588-20000
Misc : GC65359,GKM588,5.0,,,,1
ALS Vial : 12 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 09 18:50:25 2025
Quant Method : C:\MSDCHEM\1\METHODS\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Thu Oct 09 18:50:07 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

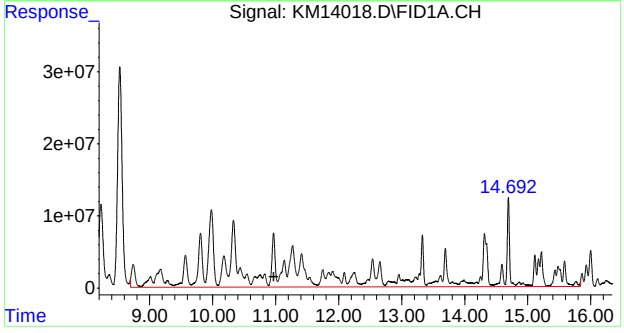
Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um





#1 TPH-GRO (C6-C10)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 7887732908
Conc: 22551.44 ug/l m



#2 TPH-GRO (C6-C12)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 6651209776
Conc: 22803.70 ug/l m

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\GKM588\
Data File : KM14019.D
Signal(s) : FID1A.CH
Acq On : 09 Oct 2025 6:06 pm
Operator : johnn
Sample : IC588-30000
Misc : GC65359,GKM588,5.0,,,,1
ALS Vial : 13 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 09 18:50:26 2025
Quant Method : C:\MSDCHEM\1\METHODS\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Thu Oct 09 18:50:07 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) S a,a,a-Trifluorotoluene	10.968	298297452	395.858 ug/l
Spiked Amount 300.000	Range 70 - 116	Recovery = 131.95%#	
Target Compounds			
1) H TPH-GRO (C6-C10)	10.970	11626805444	33241.643 ug/l
2) H TPH-GRO (C6-C12)	10.970	9690653022	33224.449 ug/l

(f)=RT Delta > 1/2 Window (m)=manual int.

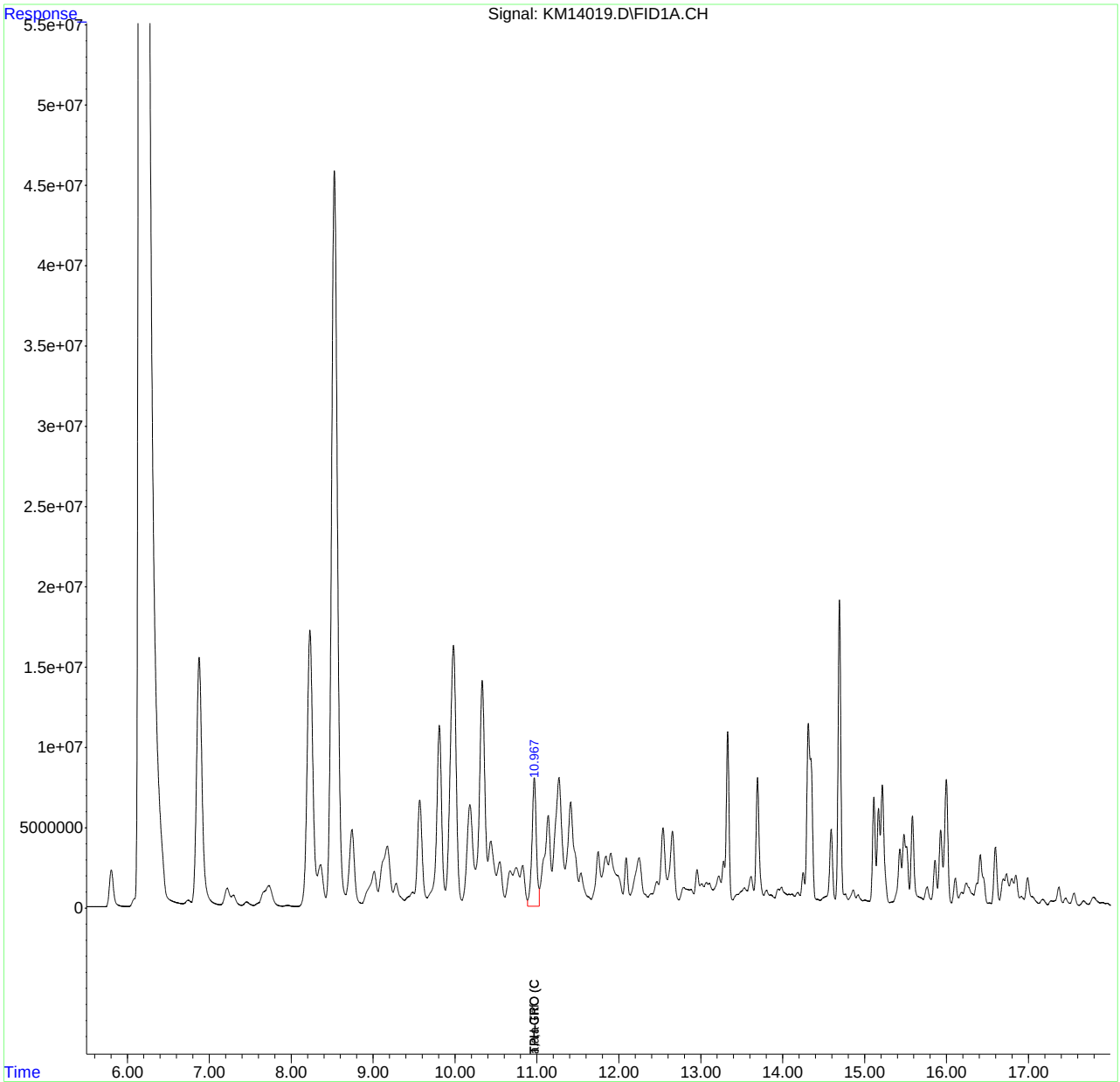
11.8.19
11

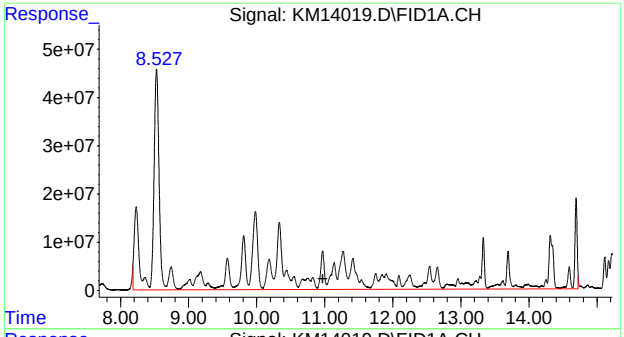
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\GKM588\
Data File : KM14019.D
Signal(s) : FID1A.CH
Acq On : 09 Oct 2025 6:06 pm
Operator : johnn
Sample : IC588-30000
Misc : GC65359,GKM588,5.0,,,,1
ALS Vial : 13 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 09 18:50:26 2025
Quant Method : C:\MSDCHEM\1\METHODS\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Thu Oct 09 18:50:07 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

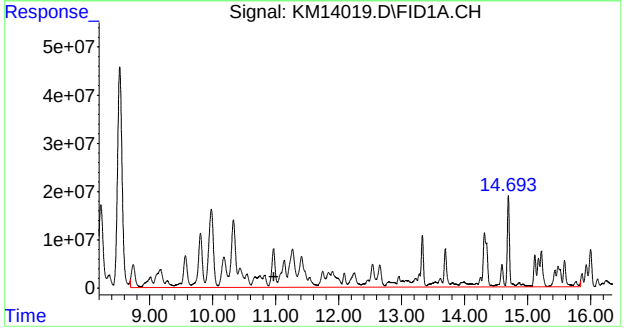
Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um





#1 TPH-GRO (C6-C10)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 11626805444
Conc: 33241.64 ug/l m



#2 TPH-GRO (C6-C12)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 9690653022
Conc: 33224.45 ug/l m

11.8.19
11

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\GKM588\
Data File : KM14025.D
Signal(s) : FID1A.CH
Acq On : 09 Oct 2025 8:38 pm
Operator : johnn
Sample : ICV588-8000
Misc : GC65359,GKM588,5.0,,,,1
ALS Vial : 19 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 10 09:53:40 2025
Quant Method : C:\MSDCHEM\1\METHODS\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) S a,a,a-Trifluorotoluene	10.969	226717190	285.455 ug/l
Spiked Amount 300.000	Range 70 - 116	Recovery = 95.15%	
Target Compounds			
1) H TPH-GRO (C6-C10)	10.970	3065113348	7973.889 ug/l
2) H TPH-GRO (C6-C12)	10.970	2934378004	8881.487 ug/l

(f)=RT Delta > 1/2 Window (m)=manual int.

11.8.20

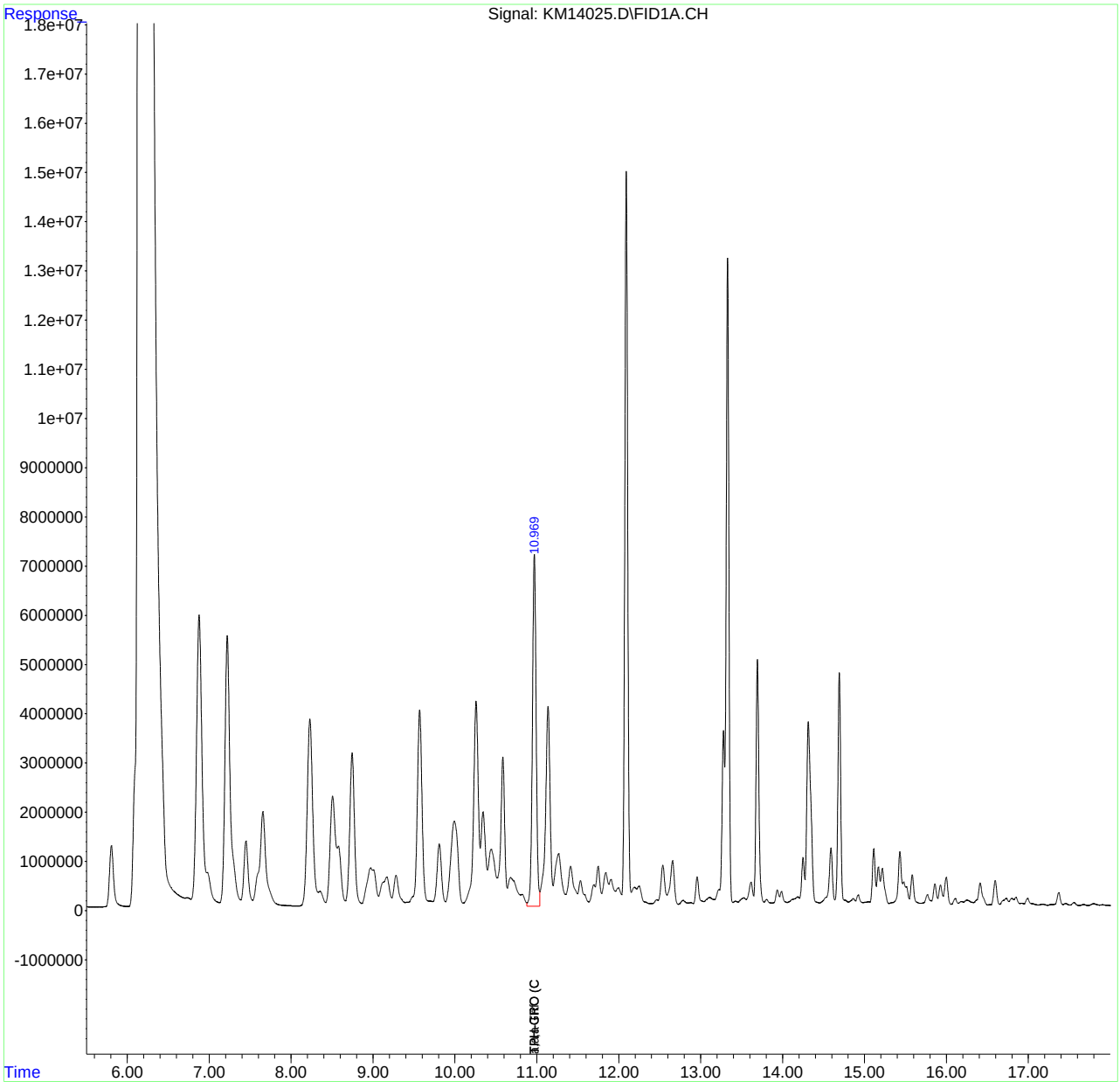
11

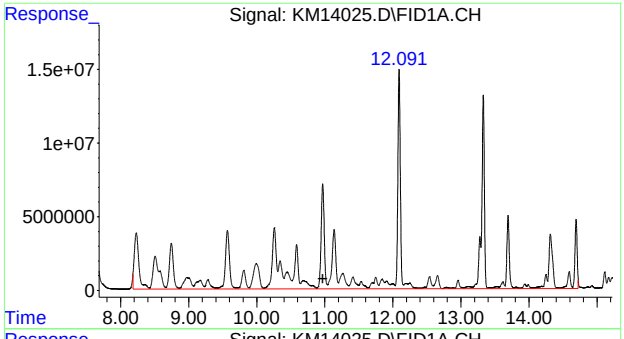
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\GKM588\
Data File : KM14025.D
Signal(s) : FID1A.CH
Acq On : 09 Oct 2025 8:38 pm
Operator : johnn
Sample : ICV588-8000
Misc : GC65359,GKM588,5.0,,,,1
ALS Vial : 19 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 10 09:53:40 2025
Quant Method : C:\MSDCHEM\1\METHODS\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

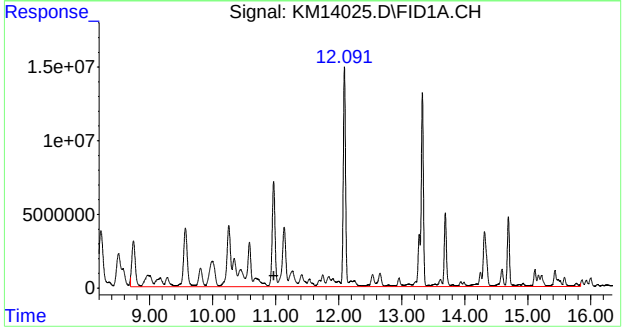
Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um





#1 TPH-GRO (C6-C10)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 3065113348
Conc: 7973.89 ug/l m



#2 TPH-GRO (C6-C12)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 2934378004
Conc: 8881.49 ug/l m

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\braianc\2025\10. October\14102025\GKM591\
Data File : KM14097.D
Signal(s) : FID1A.CH
Acq On : 13 Oct 2025 11:05 am
Operator : johnn
Sample : CC588-8000
Misc : GC65358,GKM591,5.0,,100,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 14 19:02:19 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) S a,a,a-Trifluorotoluene	10.978	238076362	299.758 ug/l
Spiked Amount 300.000	Range 70 - 116	Recovery = 99.92%	
Target Compounds			
1) H TPH-GRO (C6-C10)	10.970	3144224084	8179.696 ug/l
2) H TPH-GRO (C6-C12)	10.970	2741416274	8297.449 ug/l

(f)=RT Delta > 1/2 Window (m)=manual int.

11.8.21

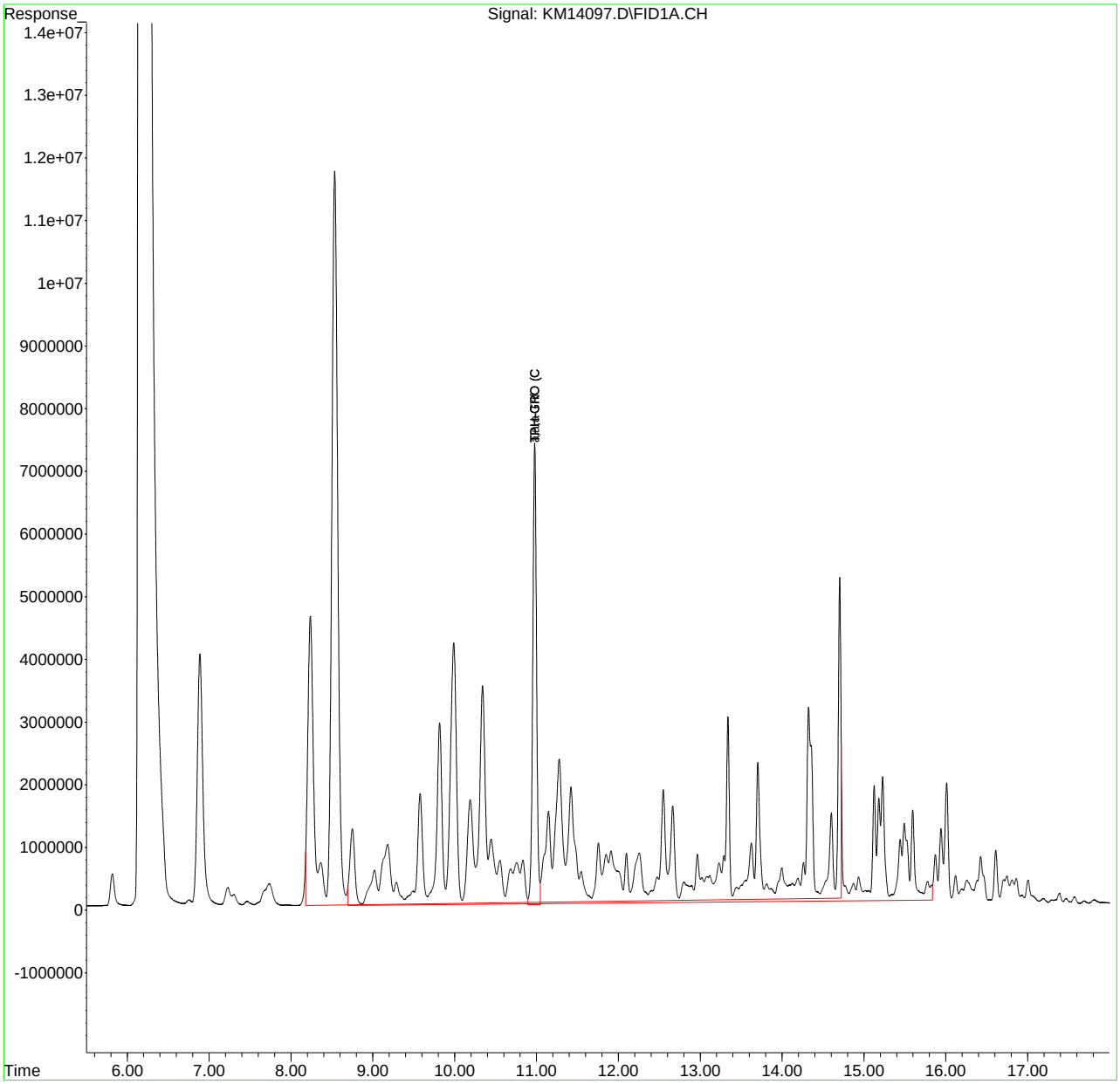
11

Quantitation Report (QT Reviewed)

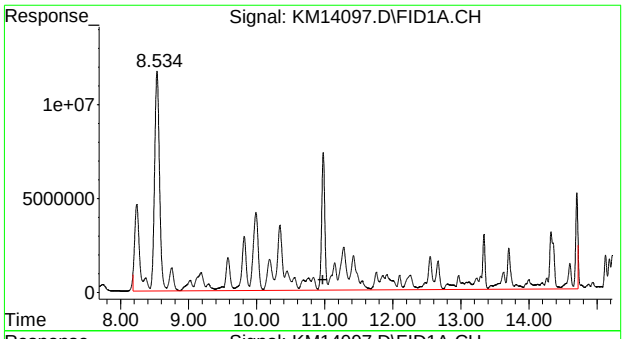
Data Path : X:\Dayton VOA GCMS\braianc\2025\10. October\14102025\GKM591\
Data File : KM14097.D
Signal(s) : FID1A.CH
Acq On : 13 Oct 2025 11:05 am
Operator : johnn
Sample : CC588-8000
Misc : GC65358,GKM591,5.0,,100,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 14 19:02:19 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

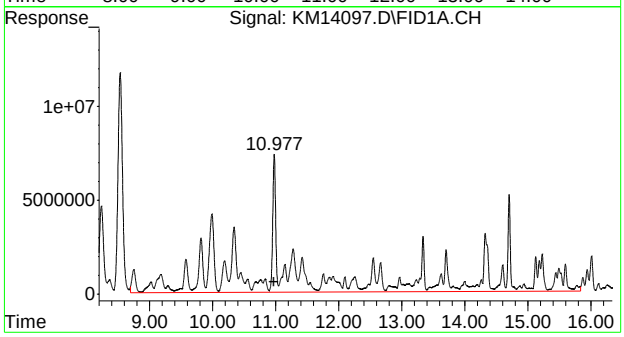


11.8.21
11



#1 TPH-GRO (C6-C10)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 3144224084
Conc: 8179.70 ug/l



#2 TPH-GRO (C6-C12)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 2741416274
Conc: 8297.45 ug/l

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\braianc\2025\10. October\14102025\GKM591\
Data File : KM14107.D
Signal(s) : FID1A.CH
Acq On : 13 Oct 2025 4:41 pm
Operator : johnn
Sample : cc588-4000
Misc : GC65370,GKM591,5.0,,,,1
ALS Vial : 14 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 14 19:02:55 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) S a,a,a-Trifluorotoluene	10.977	222958074	280.722 ug/l
Spiked Amount 300.000	Range 70 - 116	Recovery = 93.57%	
Target Compounds			
1) H TPH-GRO (C6-C10)	10.970	1554834488	4044.900 ug/l
2) H TPH-GRO (C6-C12)	10.970	1393996305	4219.211 ug/l

(f)=RT Delta > 1/2 Window (m)=manual int.

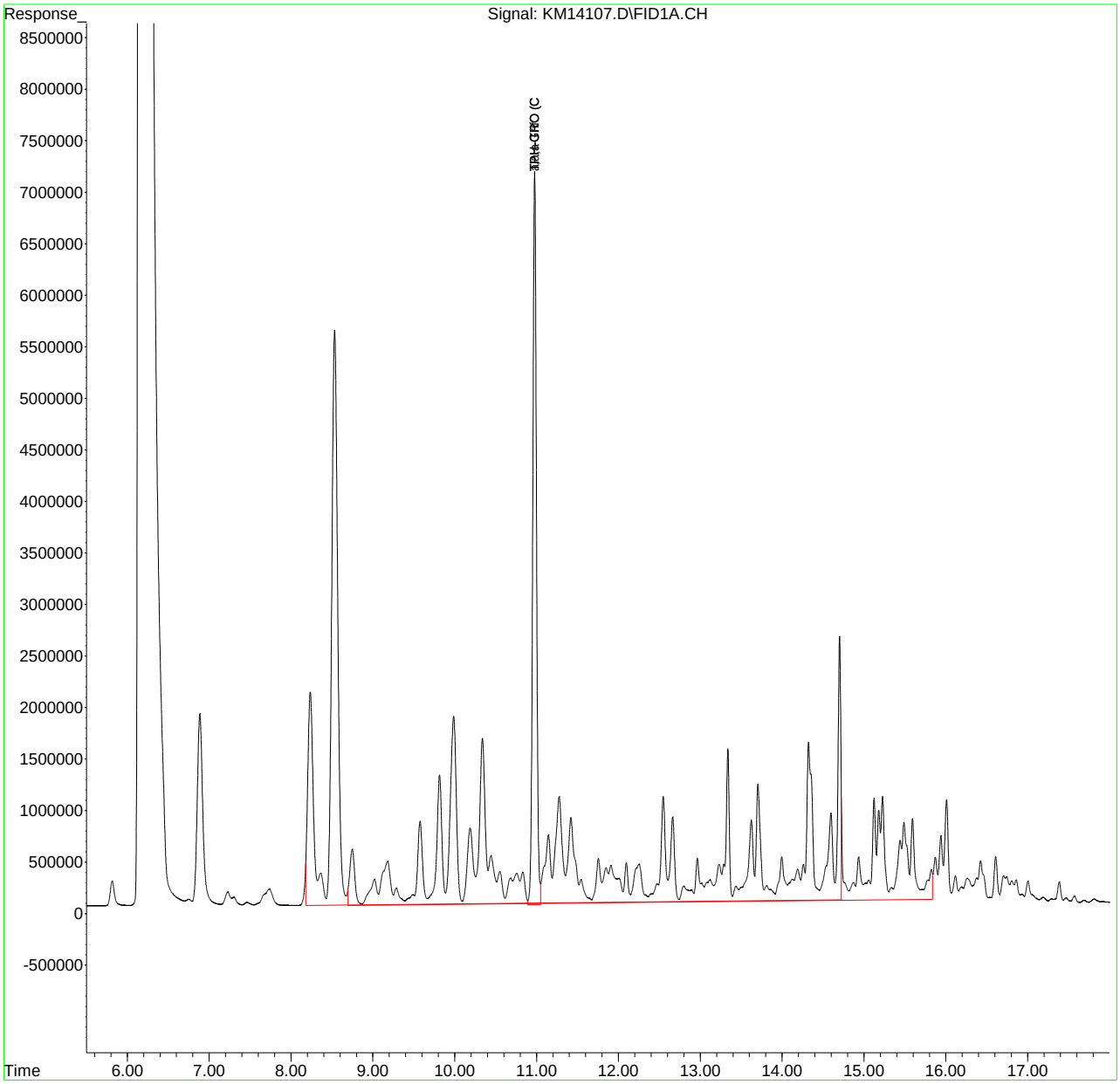
11.8.22
11

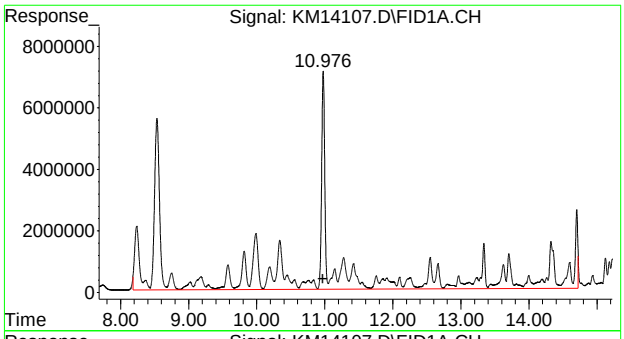
Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\braianc\2025\10. October\14102025\GKM591\
Data File : KM14107.D
Signal(s) : FID1A.CH
Acq On : 13 Oct 2025 4:41 pm
Operator : johnn
Sample : cc588-4000
Misc : GC65370,GKM591,5.0,,,,1
ALS Vial : 14 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 14 19:02:55 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

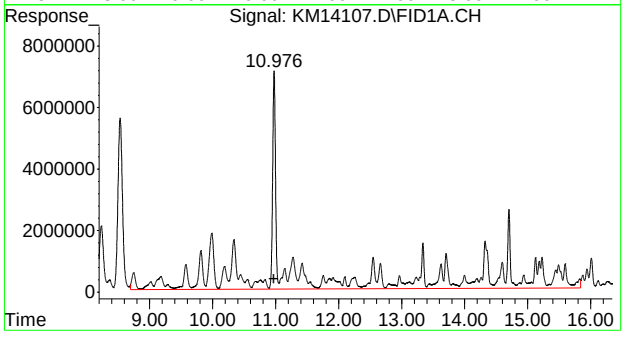
Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um





#1 TPH-GRO (C6-C10)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 1554834488
Conc: 4044.90 ug/l



#2 TPH-GRO (C6-C12)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 1393996305
Conc: 4219.21 ug/l

11.8.22
11

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\braianc\2025\10. October\14102025\GKM591\
Data File : KM14117.D
Signal(s) : FID1A.CH
Acq On : 13 Oct 2025 9:16 pm
Operator : johnn
Sample : cc588-8000
Misc : GC65370,GKM591,5.0,,,,1
ALS Vial : 24 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 14 19:03:31 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) S a,a,a-Trifluorotoluene	10.977	238751025	300.607 ug/l
Spiked Amount 300.000	Range 70 - 116	Recovery = 100.20%	
Target Compounds			
1) H TPH-GRO (C6-C10)	10.970	3708984675	9648.920 ug/l
2) H TPH-GRO (C6-C12)	10.970	3434411733	10394.940 ug/l

(f)=RT Delta > 1/2 Window (m)=manual int.

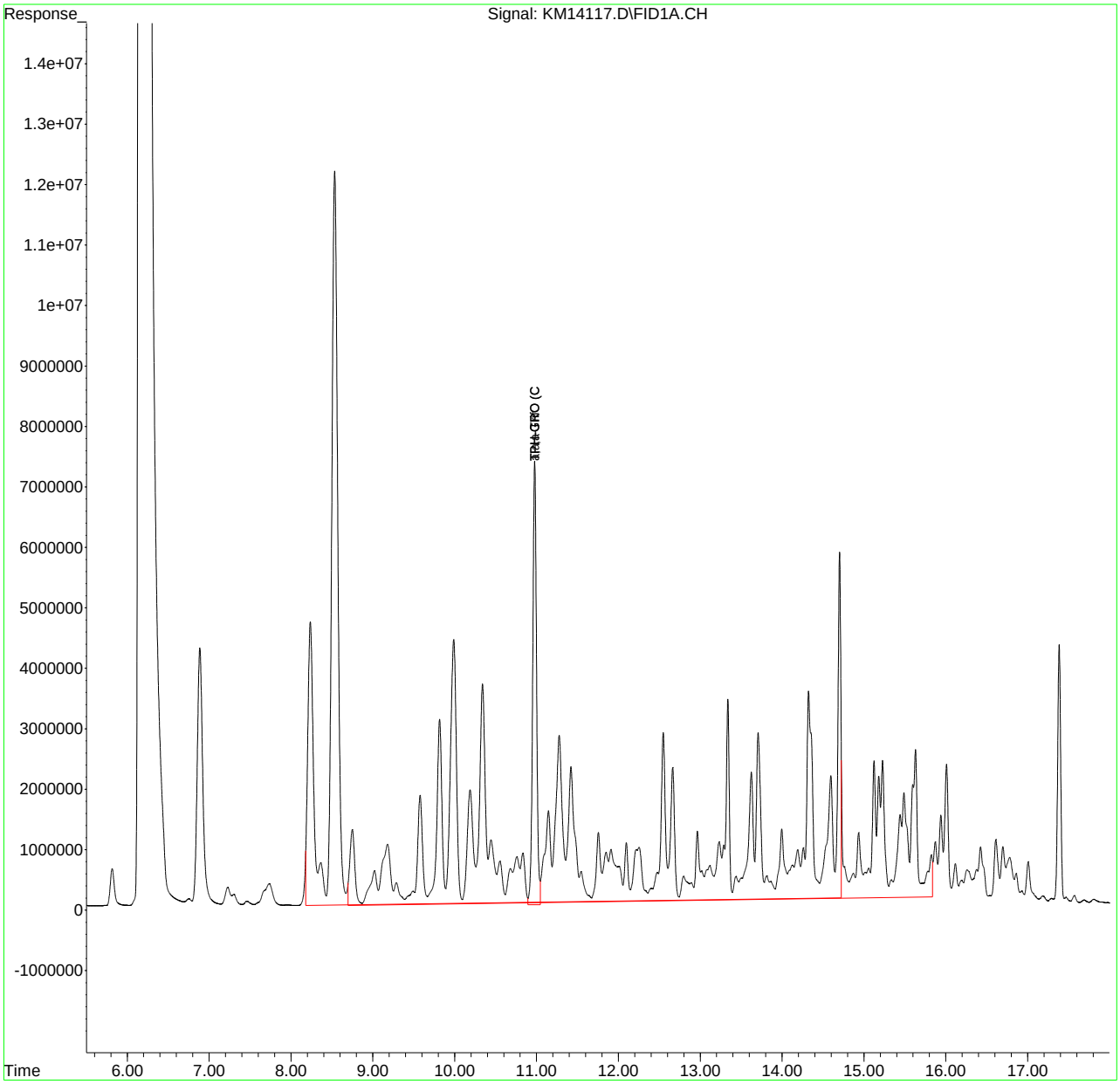
11.8.23 11

Quantitation Report (QT Reviewed)

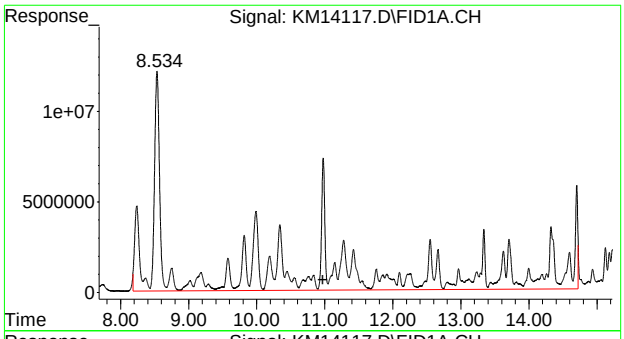
Data Path : X:\Dayton VOA GCMS\braianc\2025\10. October\14102025\GKM591\
Data File : KM14117.D
Signal(s) : FID1A.CH
Acq On : 13 Oct 2025 9:16 pm
Operator : johnn
Sample : cc588-8000
Misc : GC65370,GKM591,5.0,,,,1
ALS Vial : 24 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 14 19:03:31 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

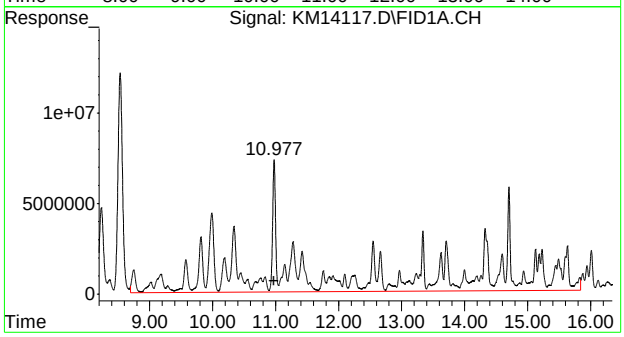


11.8.23 11



#1 TPH-GRO (C6-C10)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 3708984675
Conc: 9648.92 ug/l



#2 TPH-GRO (C6-C12)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 3434411733
Conc: 10394.94 ug/l

11.8.23 11

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\101425\gkm592\
Data File : KM14141.D
Signal(s) : FID1A.CH
Acq On : 14 Oct 2025 6:59 am
Operator : johnn
Sample : cc588-4000
Misc : GC65371,GKM592,5.0,,100,5,1
ALS Vial : 48 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 14 15:03:10 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) S a,a,a-Trifluorotoluene	10.976	230434669	290.136 ug/l
Spiked Amount 300.000	Range 70 - 116	Recovery =	96.71%
Target Compounds			
1) H TPH-GRO (C6-C10)	10.970	1560361949	4059.280 ug/l
2) H TPH-GRO (C6-C12)	10.970	1396731905	4227.491 ug/l

(f)=RT Delta > 1/2 Window (m)=manual int.

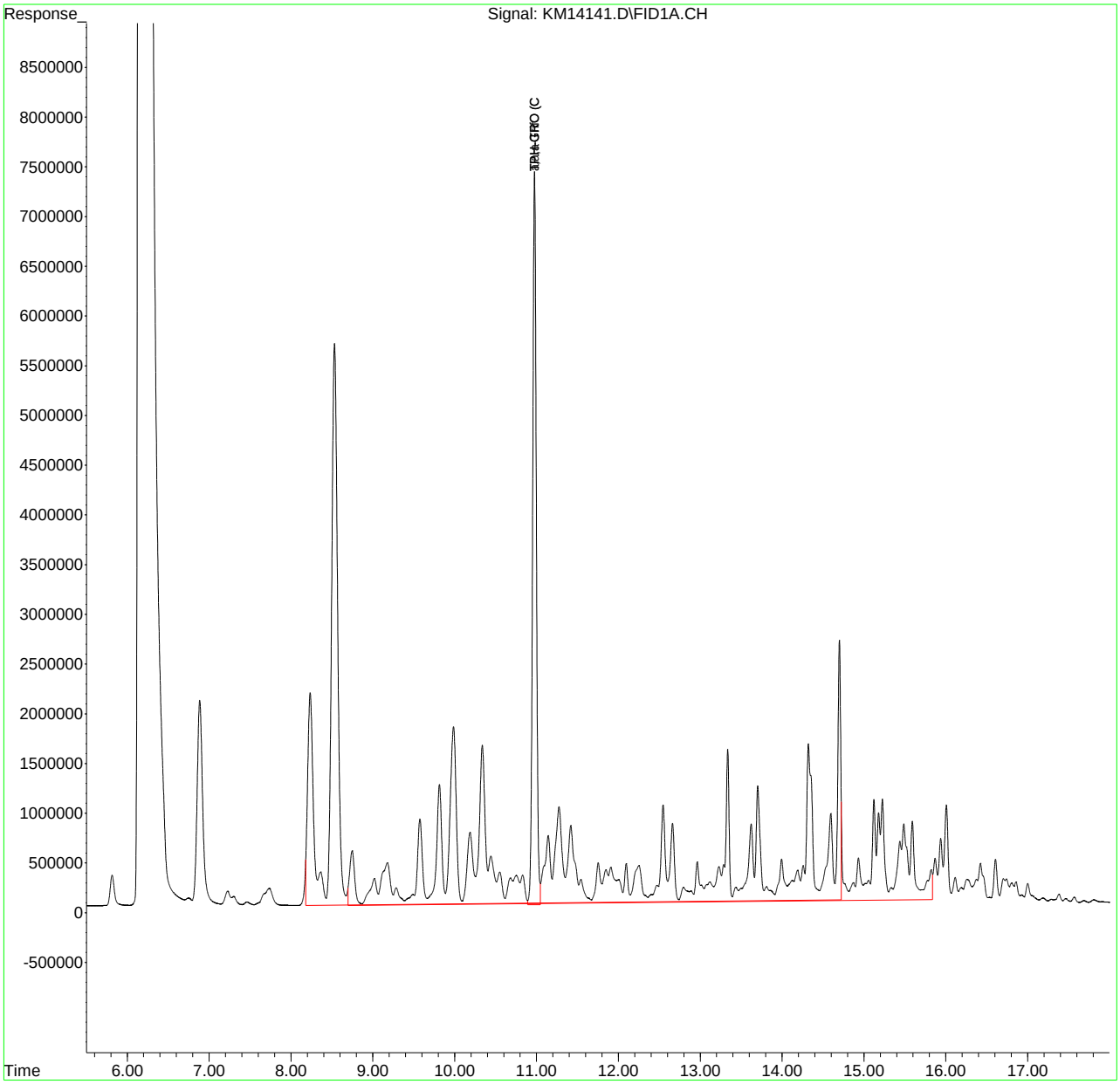
11.8.24
11

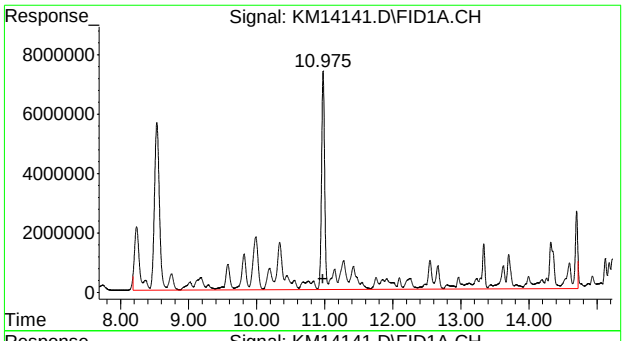
Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\101425\gkm592\
Data File : KM14141.D
Signal(s) : FID1A.CH
Acq On : 14 Oct 2025 6:59 am
Operator : johnn
Sample : cc588-4000
Misc : GC65371,GKM592,5.0,,100,5,1
ALS Vial : 48 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 14 15:03:10 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

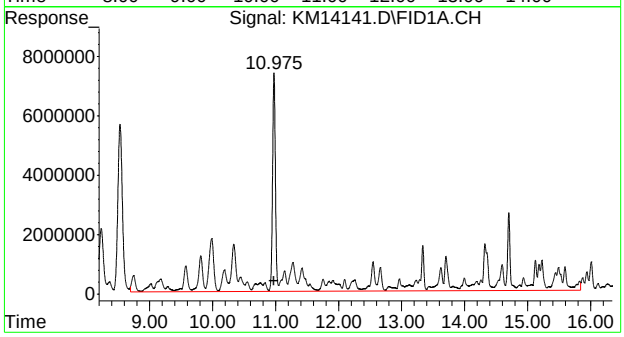
Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um





#1 TPH-GRO (C6-C10)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 1560361949
Conc: 4059.28 ug/l



#2 TPH-GRO (C6-C12)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 1396731905
Conc: 4227.49 ug/l

11.8.24
11

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\lotusa\Oct-2025\10-15\GKM593\
Data File : KM14145.D
Signal(s) : FID1A.CH
Acq On : 14 Oct 2025 11:14 am
Operator : johnn
Sample : cc588-8000
Misc : GC65359,GKM593,5.0,,,,1
ALS Vial : 4 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 15 14:46:18 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) S a,a,a-Trifluorotoluene	10.976	243397746	306.458 ug/l
Spiked Amount 300.000	Range 70 - 116	Recovery = 102.15%	
Target Compounds			
1) H TPH-GRO (C6-C10)	10.970	3552218308	9241.092 ug/l
2) H TPH-GRO (C6-C12)	10.970	3171661901	9599.674 ug/l

(f)=RT Delta > 1/2 Window (m)=manual int.

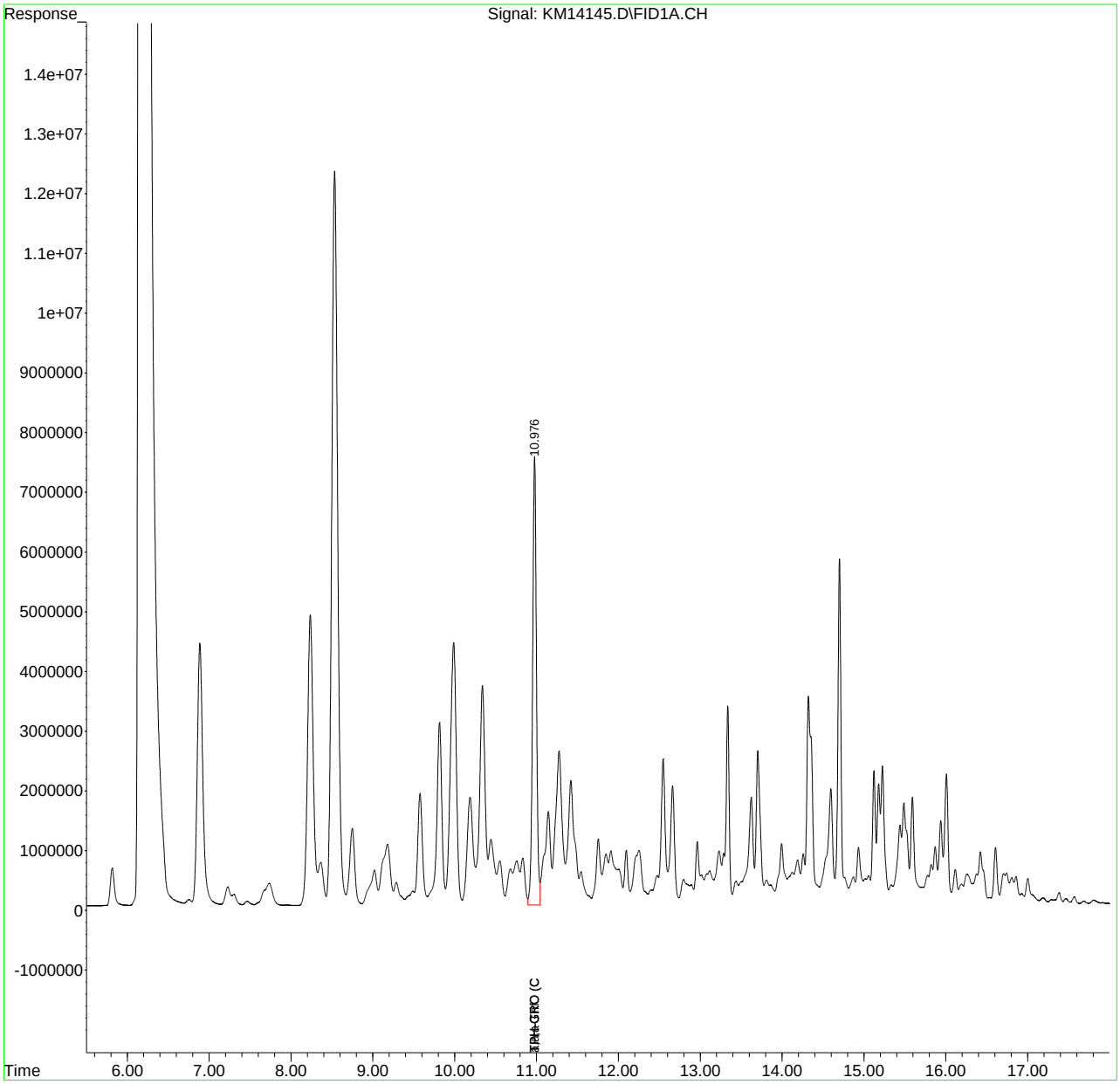
11.8.25
11

Quantitation Report (QT Reviewed)

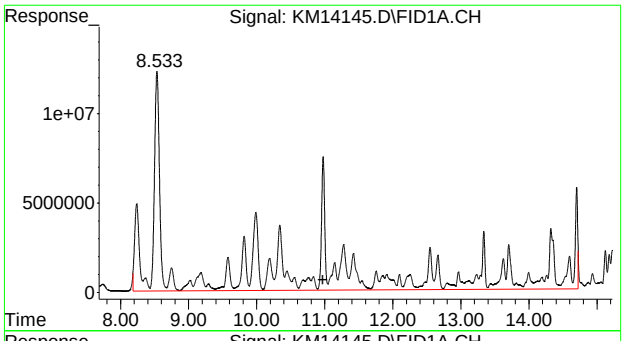
Data Path : X:\Dayton VOA GCMS\lotusa\Oct-2025\10-15\GKM593\
Data File : KM14145.D
Signal(s) : FID1A.CH
Acq On : 14 Oct 2025 11:14 am
Operator : johnn
Sample : cc588-8000
Misc : GC65359,GKM593,5.0,,,,1
ALS Vial : 4 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 15 14:46:18 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

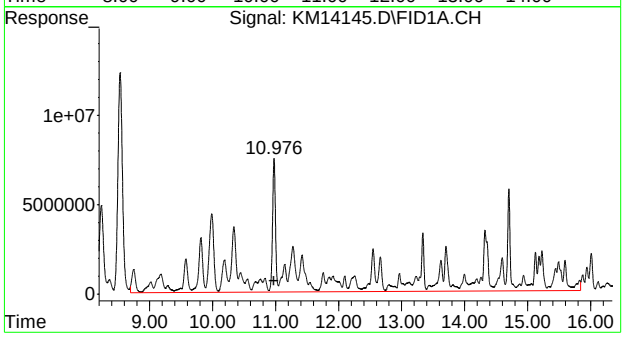


11.8.25 11



#1 TPH-GRO (C6-C10)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 3552218308
Conc: 9241.09 ug/l



#2 TPH-GRO (C6-C12)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 3171661901
Conc: 9599.67 ug/l

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\lotusa\Oct-2025\10-15\GKM593\
Data File : KM14155.D
Signal(s) : FID1A.CH
Acq On : 14 Oct 2025 5:18 pm
Operator : johnn
Sample : cc588-4000
Misc : GC65378,GKM593,5.0,,,,1
ALS Vial : 14 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 15 14:46:57 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) S a,a,a-Trifluorotoluene	10.977	230205043	289.847 ug/l
Spiked Amount 300.000	Range 70 - 116	Recovery =	96.62%
Target Compounds			
1) H TPH-GRO (C6-C10)	10.970	1738007224	4521.424 ug/l
2) H TPH-GRO (C6-C12)	10.970	1581341811	4786.250 ug/l

(f)=RT Delta > 1/2 Window (m)=manual int.

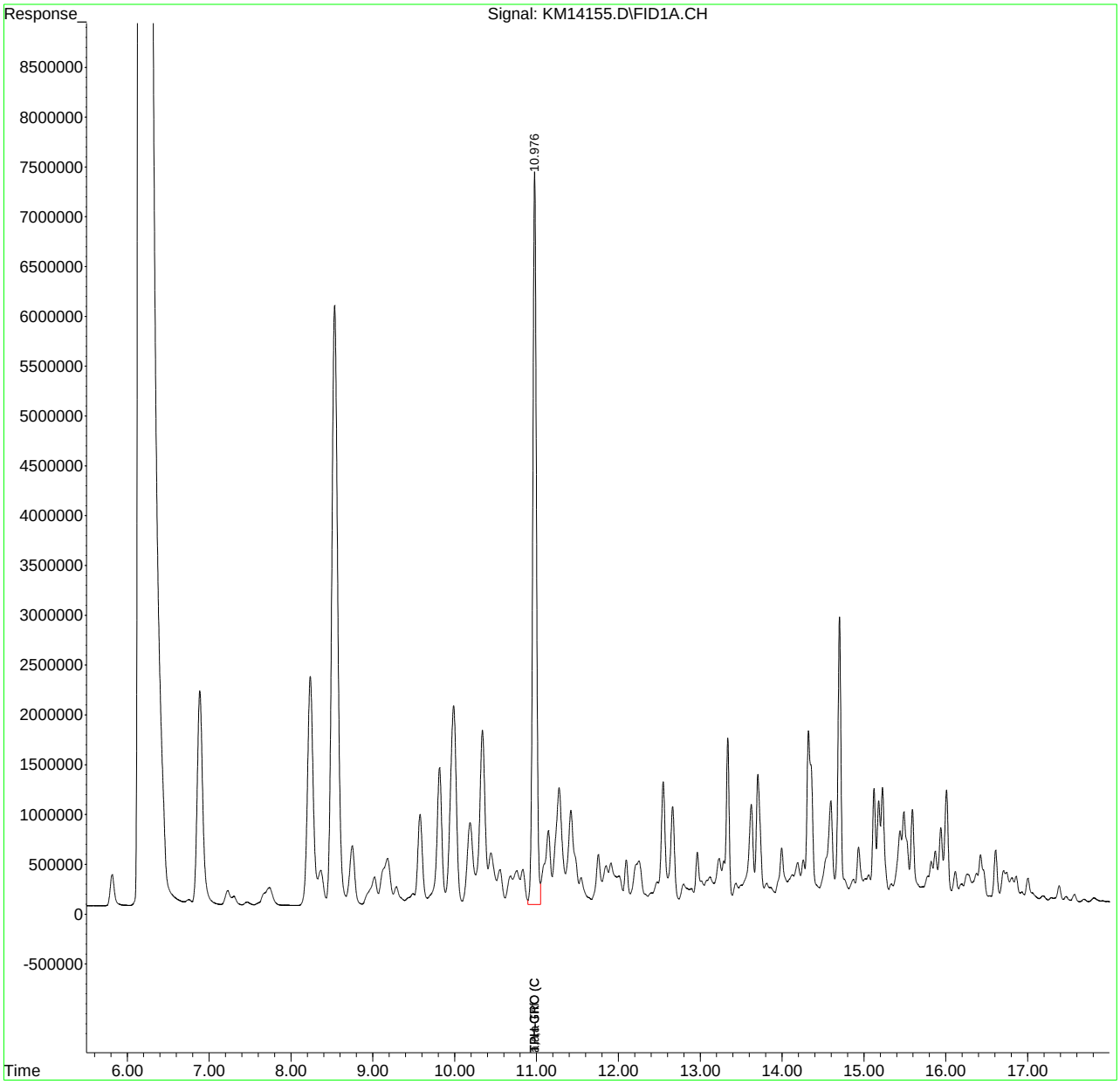
11.8.26
11

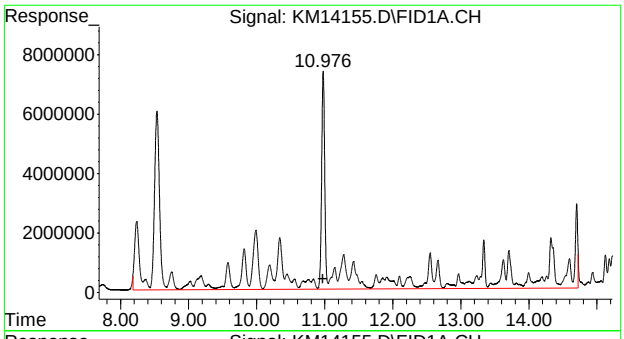
Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\lotusa\Oct-2025\10-15\GKM593\
Data File : KM14155.D
Signal(s) : FID1A.CH
Acq On : 14 Oct 2025 5:18 pm
Operator : johnn
Sample : cc588-4000
Misc : GC65378,GKM593,5.0,,,,1
ALS Vial : 14 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 15 14:46:57 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

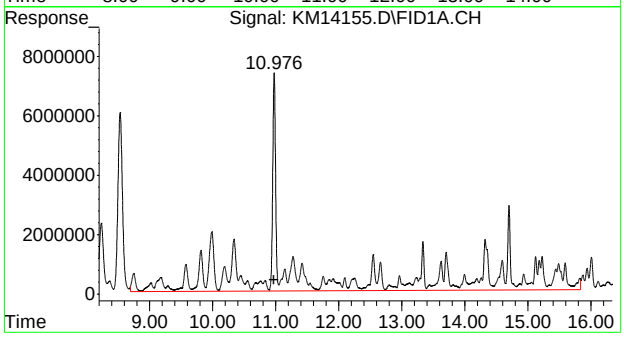
Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um





#1 TPH-GRO (C6-C10)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 1738007224
Conc: 4521.42 ug/l



#2 TPH-GRO (C6-C12)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 1581341811
Conc: 4786.25 ug/l

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\lotusa\Oct-2025\10-15\GKM593\
Data File : KM14160.D
Signal(s) : FID1A.CH
Acq On : 14 Oct 2025 8:09 pm
Operator : johnn
Sample : cc588-8000
Misc : GC65378,GKM593,5.0,,,,1
ALS Vial : 19 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 15 14:47:18 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) S a,a,a-Trifluorotoluene	10.976	241881212	304.548 ug/l
Spiked Amount 300.000	Range 70 - 116	Recovery = 101.52%	
Target Compounds			
1) H TPH-GRO (C6-C10)	10.970	3469366676	9025.554 ug/l
2) H TPH-GRO (C6-C12)	10.970	3088602509	9348.278 ug/l

(f)=RT Delta > 1/2 Window (m)=manual int.

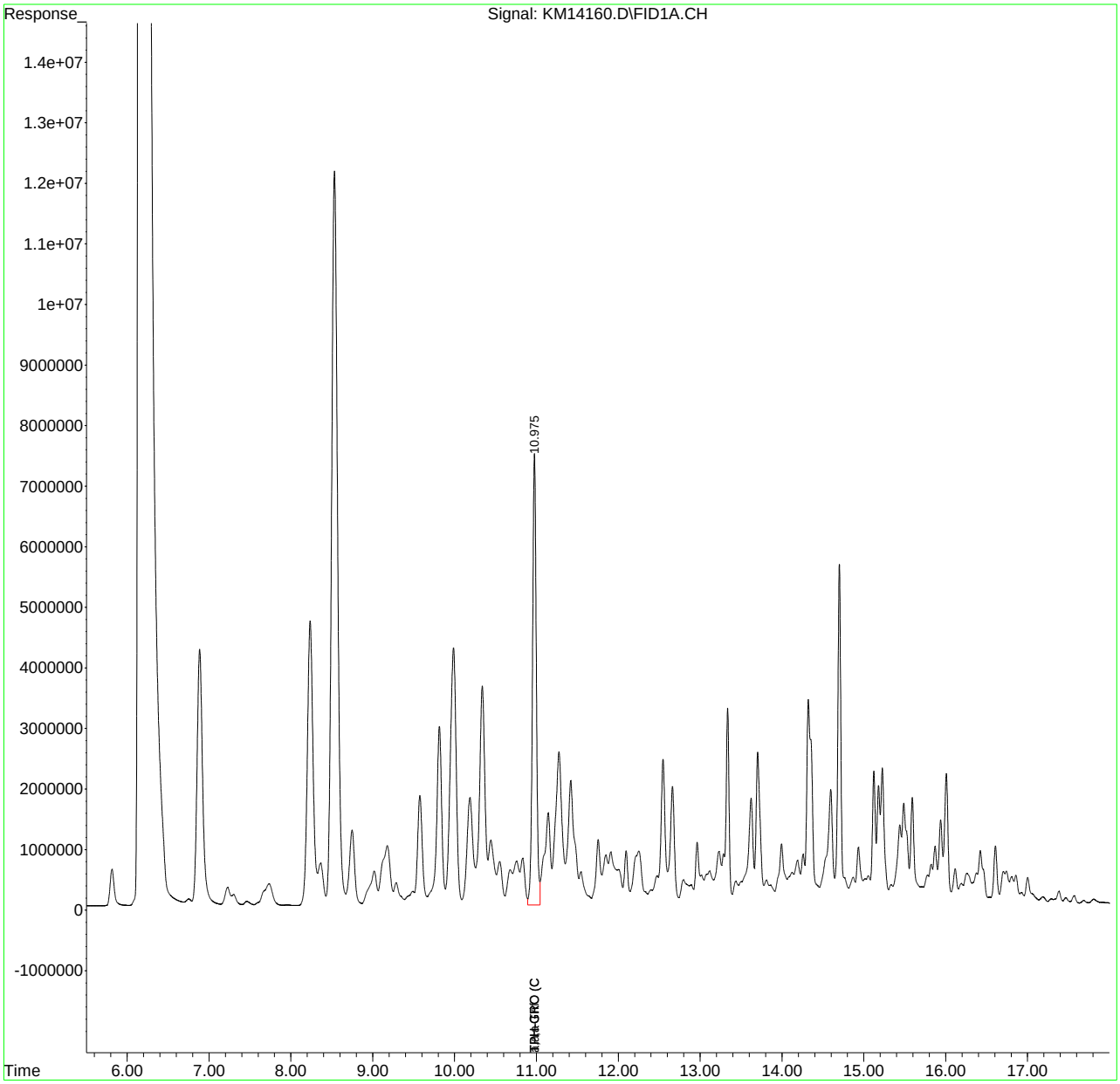
11.8.27 11

Quantitation Report (QT Reviewed)

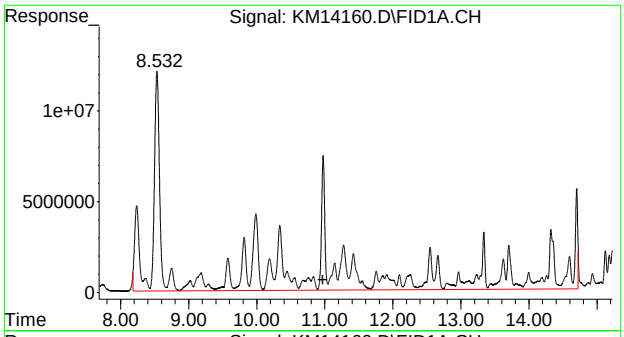
Data Path : X:\Dayton VOA GCMS\lotusa\Oct-2025\10-15\GKM593\
Data File : KM14160.D
Signal(s) : FID1A.CH
Acq On : 14 Oct 2025 8:09 pm
Operator : johnn
Sample : cc588-8000
Misc : GC65378,GKM593,5.0,,,,1
ALS Vial : 19 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 15 14:47:18 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

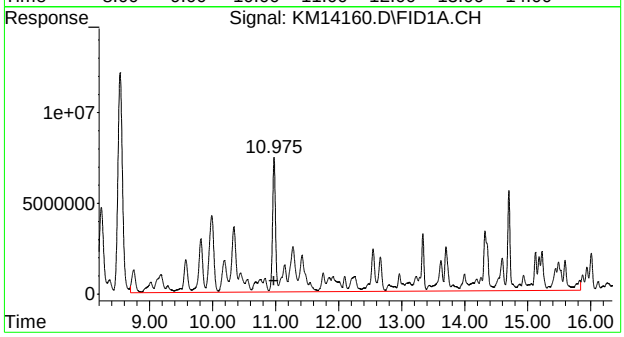


11.8.27 11



#1 TPH-GRO (C6-C10)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 3469366676
Conc: 9025.55 ug/l



#2 TPH-GRO (C6-C12)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 3088602509
Conc: 9348.28 ug/l

11.8.27 11

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\Claireb\1. Batches\2025\10. October\10-21-2025\GKM597\
Data File : KM14250.D
Signal(s) : FID1A.CH
Acq On : 20 Oct 2025 10:52 pm
Operator : johnn
Sample : cc588-4000
Misc : GC65322,GKM597,5.0,,100,5,1
ALS Vial : 29 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 22 00:04:53 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) S a,a,a-Trifluorotoluene	10.978	224746527	282.974 ug/l
Spiked Amount 300.000	Range 70 - 116	Recovery = 94.32%	
Target Compounds			
1) H TPH-GRO (C6-C10)	10.970	1535030240	3993.380 ug/l
2) H TPH-GRO (C6-C12)	10.970	1318760663	3991.495 ug/l

(f)=RT Delta > 1/2 Window (m)=manual int.

11.8.28

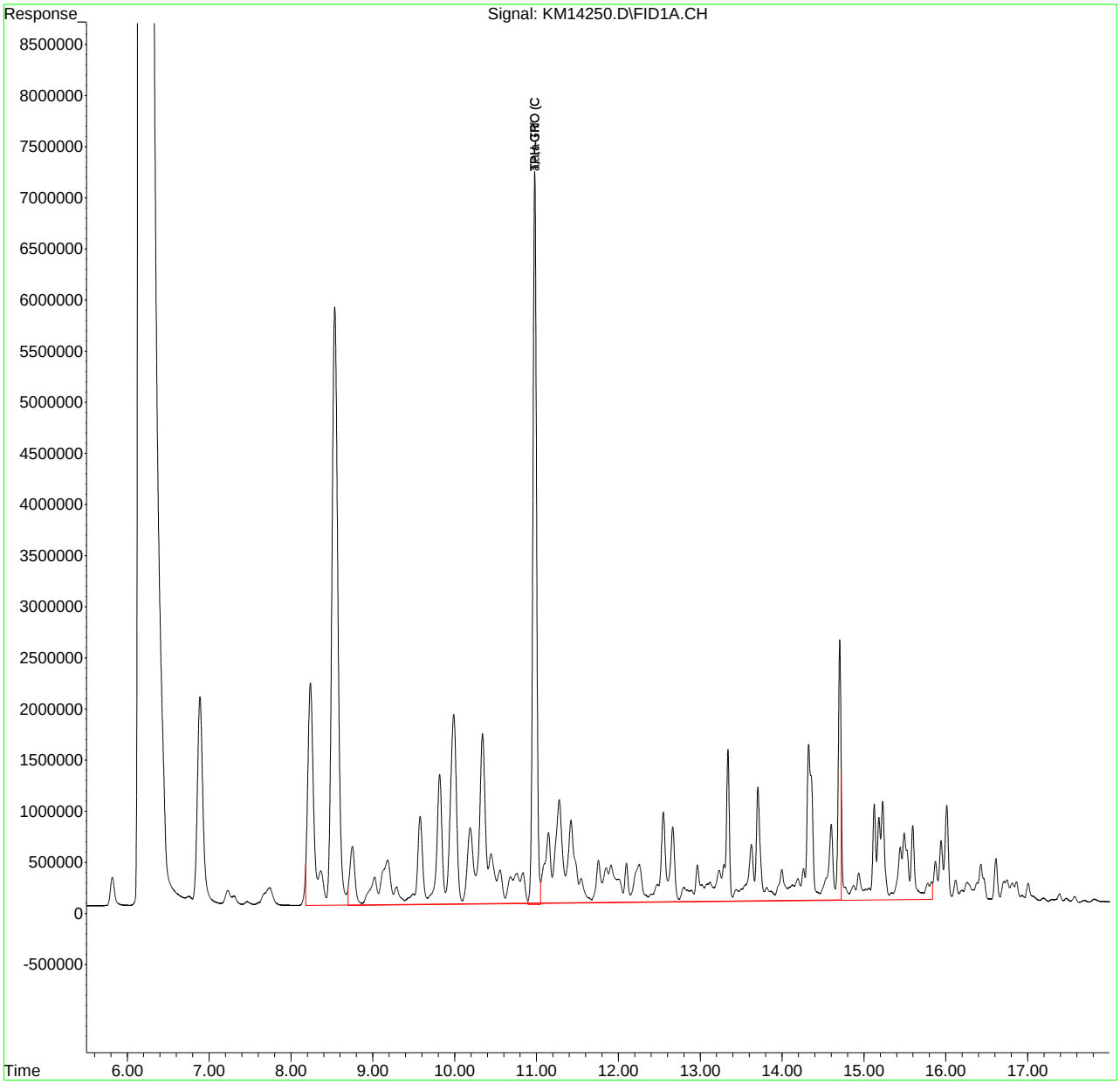
11

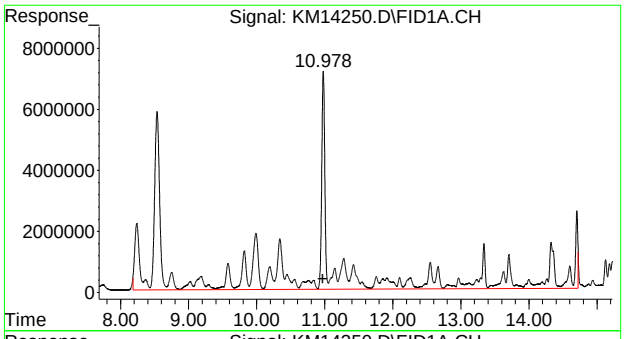
Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\Claireb\1. Batches\2025\10. October\10-21-2025\GKM597\
Data File : KM14250.D
Signal(s) : FID1A.CH
Acq On : 20 Oct 2025 10:52 pm
Operator : johnn
Sample : cc588-4000
Misc : GC65322,GKM597,5.0,,100,5,1
ALS Vial : 29 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 22 00:04:53 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

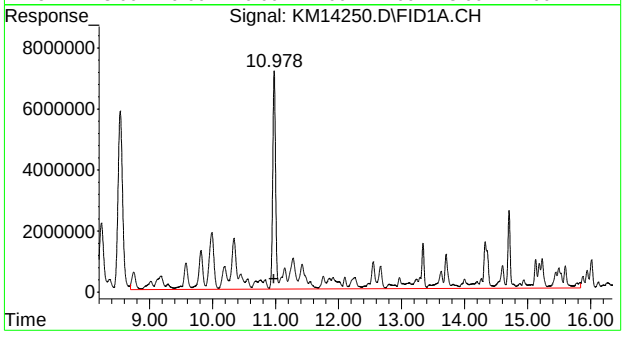
Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um





#1 TPH-GRO (C6-C10)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 1535030240
Conc: 3993.38 ug/l



#2 TPH-GRO (C6-C12)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 1318760663
Conc: 3991.50 ug/l

11.8.28
11

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Oct 2025\10-22-25\GKM598\
Data File : KM14254.D
Signal(s) : FID1A.CH
Acq On : 21 Oct 2025 10:39 am
Operator : johnn
Sample : cc588-8000
Misc : GC65322,GKM598,5.0,,100,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 22 06:49:02 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) S a,a,a-Trifluorotoluene	10.979	235509484	296.526 ug/l
Spiked Amount 300.000	Range 70 - 116	Recovery = 98.84%	
Target Compounds			
1) H TPH-GRO (C6-C10)	10.970	3189396503	8297.212 ug/l
2) H TPH-GRO (C6-C12)	10.970	2775944547	8401.956 ug/l

(f)=RT Delta > 1/2 Window (m)=manual int.

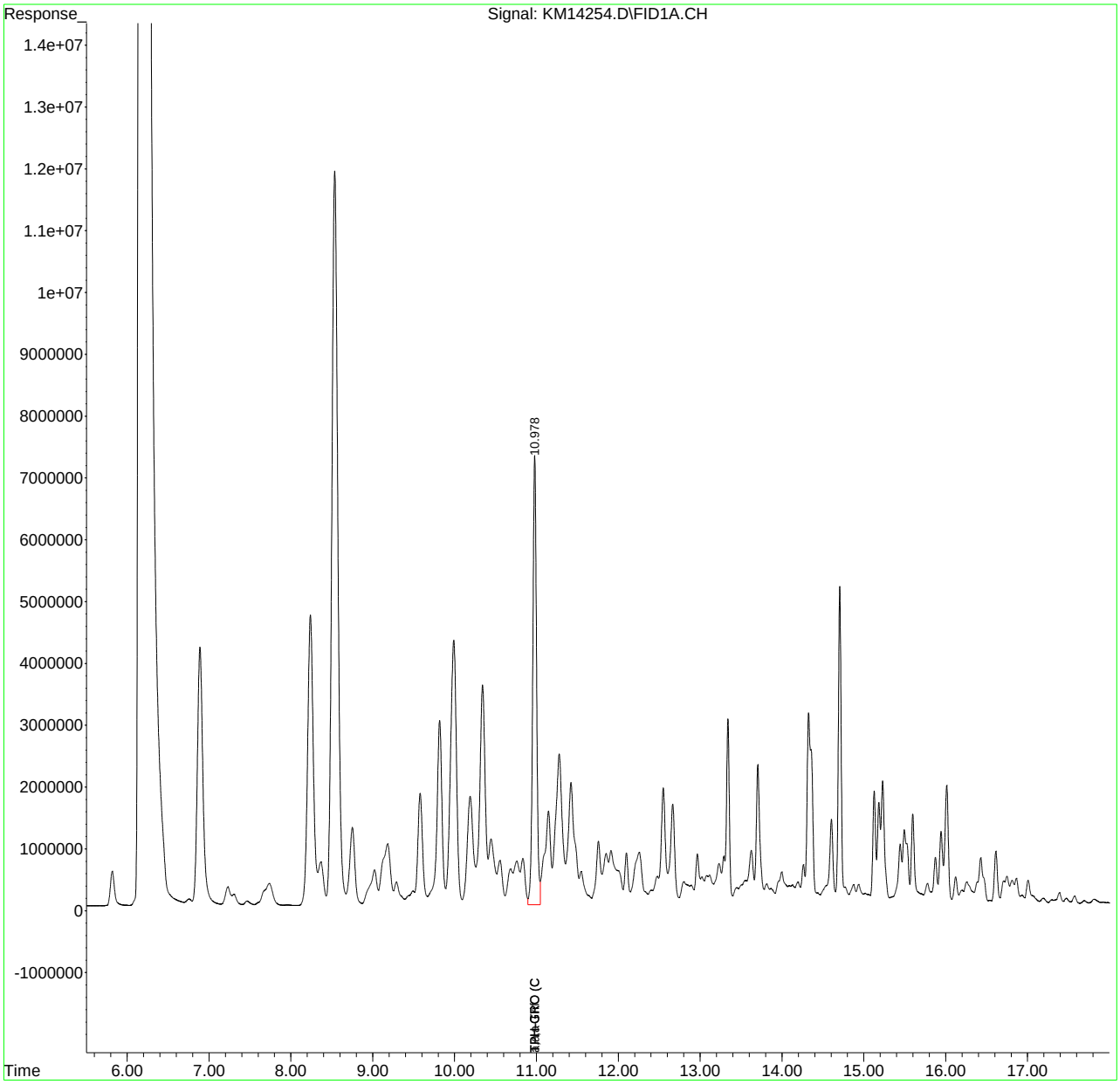
11.8.29 11

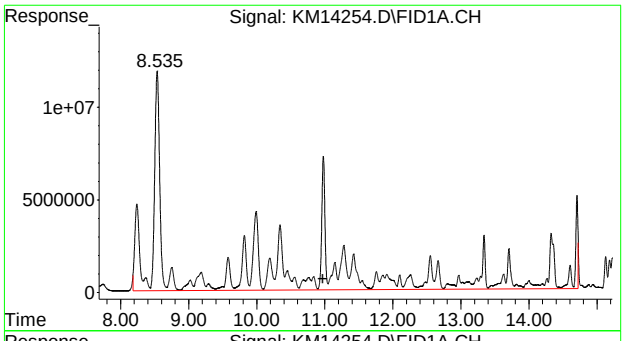
Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Oct 2025\10-22-25\GKM598\
Data File : KM14254.D
Signal(s) : FID1A.CH
Acq On : 21 Oct 2025 10:39 am
Operator : johnn
Sample : cc588-8000
Misc : GC65322,GKM598,5.0,,100,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 22 06:49:02 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

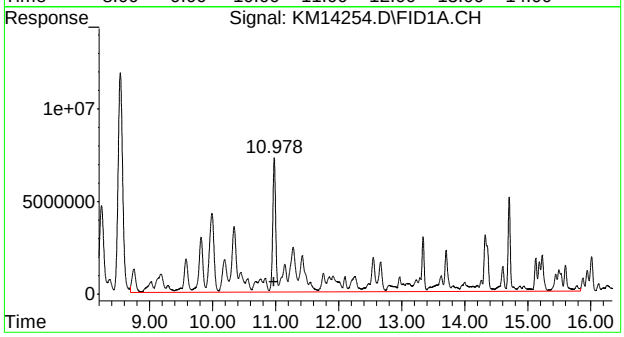
Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um





#1 TPH-GRO (C6-C10)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 3189396503
Conc: 8297.21 ug/l



#2 TPH-GRO (C6-C12)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 2775944547
Conc: 8401.96 ug/l

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Oct 2025\10-22-25\GKM598\
Data File : KM14264.D
Signal(s) : FID1A.CH
Acq On : 21 Oct 2025 3:55 pm
Operator : johnn
Sample : cc588-4000
Misc : GC65370,GKM598,5.0,,,,1
ALS Vial : 14 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 22 06:49:45 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
3) S a,a,a-Trifluorotoluene	10.979	226057543	284.625	ug/l
Spiked Amount 300.000	Range 70 - 116	Recovery = 94.88%		
Target Compounds				
1) H TPH-GRO (C6-C10)	10.970	1633077065	4248.448	ug/l
2) H TPH-GRO (C6-C12)	10.970	1458361466	4414.025	ug/l

(f)=RT Delta > 1/2 Window (m)=manual int.

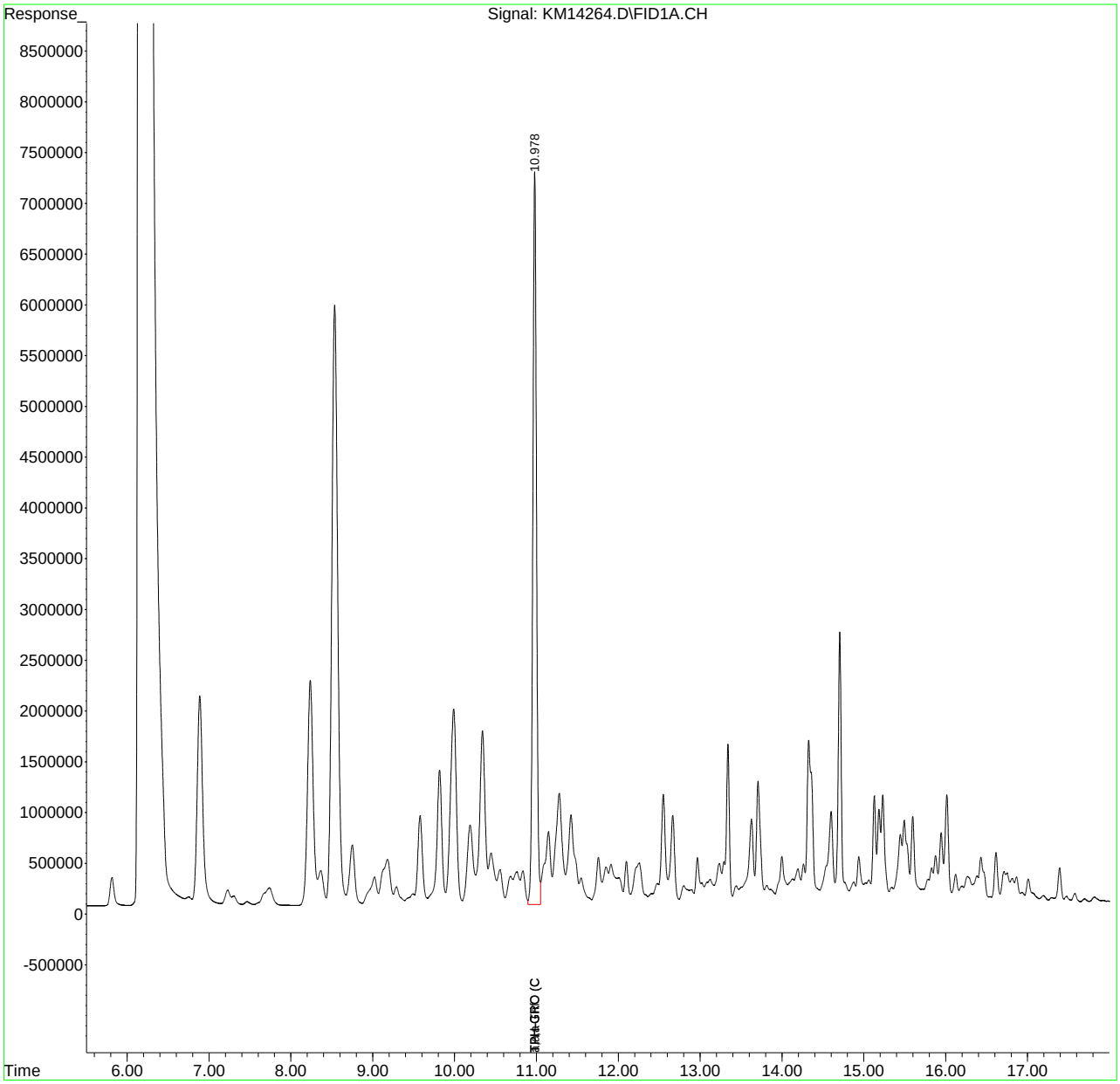
11.8.30 11

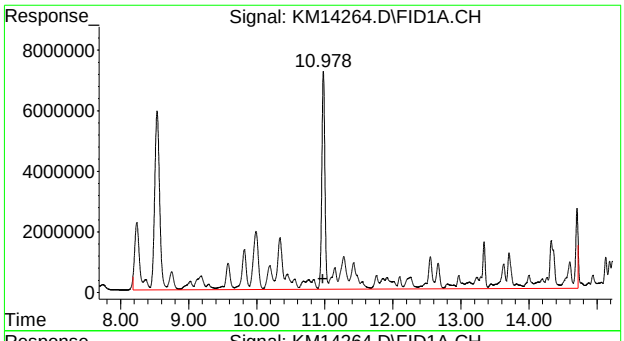
Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Oct 2025\10-22-25\GKM598\
Data File : KM14264.D
Signal(s) : FID1A.CH
Acq On : 21 Oct 2025 3:55 pm
Operator : johnn
Sample : cc588-4000
Misc : GC65370,GKM598,5.0,,,,1
ALS Vial : 14 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 22 06:49:45 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

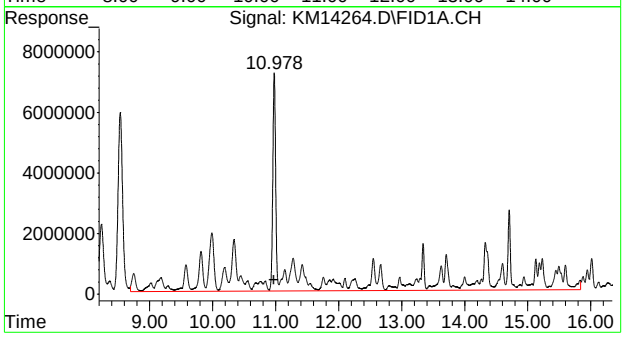
Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um





#1 TPH-GRO (C6-C10)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 1633077065
Conc: 4248.45 ug/l



#2 TPH-GRO (C6-C12)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 1458361466
Conc: 4414.03 ug/l

SGS

DISSOLVED GASES by GC-FID/TCD ANALYSIS LOG (RSK-175)

		Standard Information							
		Standard (Primary)				LCS (Secondary)			
Target Analytes	MW (g/mol)	Lot #	Expiration Date	Conc. (ppmv)	**Conc. (µg/L)	Lot #	Expiration Date	Conc. (ppmv)	**Conc. (µg/L)
Methane	16	AS10705	7/17/2026	1000	654	AS10657	4/30/2026	1000	654
Ethane	30	AS10705	7/17/2026	1000	1227	AS10657	4/30/2026	1000	1227
Ethene	28	AS10705	7/17/2026	1000	1145	AS10657	4/30/2026	1000	1145
Propane	44	AS10705	7/17/2026	1000	1800	AS10657	4/30/2026	1000	1800
Carbon Monoxide	28	AS10705	7/17/2026	1000	1145	AS10657	4/30/2026	1000	1145
Carbon Dioxide	44	AS10705	7/17/2026	1000	1800	AS10657	4/30/2026	1000	1800

**mg/L = ppmv x (MW/24.45)

	ID / LOT #	Expiration Date
Thermometer	57339	8/19/2025
pH Paper	234223	12/1/2026
Helium Cylinder	N2443173RS	N/A

Batch ID: GAA3333
Date: 7/25/2025
Laboratory Analyst: William Cruser

GC-AA Column: Rt-Alumina BOND/Na_2SO_4 (50m x 0.53mm
GC-FID/TCD Method - MEE: MAA3333.M
Initial Calibration Method - MEE: MAA3333.M
Sequence File - MEE: AA20250725.s

GC-WW Column: Sulpelco Carboxen 1006 PLOT (30m x 0.53
GC-FID/TCD Method - CO_2: MWW5777.M
Initial Calibration Method - CO_2: MWW5777.M
Sequence File - CO_2: N/A

LGX-50 Method: DGA
Data Validator: William Cruser

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.
*If pH > 2.0, comment on sample result.

ALS	Sample ID	Data File ID	GC Code	TEST CODE	VOA Vial Volume (cc)	Headspace Volume (cc)	Final Sample Volume (cc)	Injection Volume (cc)	Temp. °C	Dilution Factor	STATUS	COMMENTS	*pH < 2.0
1	ic3321-1	AA116750						0.05	23		RR	AS10713 (10ppmv)	
2	ic3321-2	AA116751						0.1	23		RR	AS10713 (10ppmv)	
3	ic3321-10	AA116752						0.005	23		OK		
4	ic3321-20	AA116753						0.01	23		OK		
5	icc3321-100	AA116754						0.05	23		OK		
6	ic3321-200	AA116755						0.1	23		OK		
7	ic3321-500	AA116756						0.25	23		OK		
8	ic3321-1000	AA116757						0.5	23		OK		
9	icv3321-100	AA116758						0.05	23		RR		
10	ic3321-1	AA116750						0.05	23		OK	AS10713 (10ppmv)	
11	ic3321-2	AA116751						0.1	23		OK	AS10713 (10ppmv)	
12	icv3321-100	AA116758						0.05	23		OK		

SGS

DISSOLVED GASES by GC-FID/TCD ANALYSIS LOG (RSK-175)

Batch ID: GAA3393
Date: 10/22/2025
Laboratory Analyst: William Cruser

		Standard Information							
		Standard (Primary)				LCS (Secondary)			
Target Analytes	MW (g/mol)	Lot #	Expiration Date	Conc. (ppmv)	**Conc. (µg/L)	Lot #	Expiration Date	Conc. (ppmv)	**Conc. (µg/L)
Methane	16	AS10705	7/17/2026	1000	654	AS10657	4/30/2026	1000	654
Ethane	30	AS10705	7/17/2026	1000	1227	AS10657	4/30/2026	1000	1227
Ethene	28	AS10705	7/17/2026	1000	1145	AS10657	4/30/2026	1000	1145
Propane	44	AS10705	7/17/2026	1000	1800	AS10657	4/30/2026	1000	1800
Carbon Monoxide	28	AS10705	7/17/2026	1000	1145	AS10657	4/30/2026	1000	1145
Carbon Dioxide	44	AS10705	7/17/2026	1000	1800	AS10657	4/30/2026	1000	1800

**mg/L = ppmv x (MW/24.45)

	ID / LOT #	Expiration Date
Thermometer	57339	8/19/2026
pH Paper	234223	12/1/2026
Helium Cylinder	N2443173RS	N/A

GC-AA Column: Rt-Alumina BOND/Na_2SO_4 (50m x 0.53mm
GC-FID/TCD Method - MEE: MAA3333.M
Initial Calibration Method - MEE: MAA3333.M
Sequence File - MEE: AA20251022.s

GC-WW Column: Sulpelco Carboxen 1006 PLOT (30m x 0.53
GC-FID/TCD Method - CO_2: MWW5884.M
Initial Calibration Method - CO_2: MWW5884.M
Sequence File - CO_2: N/A

LGX-50 Method: DGA
Data Validator: William Cruser

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.
*If pH > 2.0, comment on sample result.

ALS	Sample ID	Data File ID	GC Code	TEST CODE	VOA Vial Volume (cc)	Headspace Volume (cc)	Final Sample Volume (cc)	Injection Volume (cc)	Temp. °C	Dilution Factor	STATUS	COMMENTS	*pH < 2.0
1	cc3333-100	AA118139						0.05	24		OK		
2	helium blank	AA118140						0.5	24		OK		
3	mb	AA118141						0.5	24		OK		
4	je20901-1	AA118142	GC65375	DGMEE	43	5	38	0.5	24	1	OK/DL	CH4↑, bubble in headspace	✔
5	je20901-1	AA118143	GC65375	DGMEE	43	5	38	0.005	24	100	OK/DL		✔
6	je20901-3	AA118144	GC65375	DGMEE	43	5	38	0.5	24	1	OK/DL	CH4↑	✔
7	je20901-3dup	AA118145	GC65375	DGMEE	43	5	38	0.5	24	1	OK		✔
8	je20901-3	AA118146	GC65375	DGMEE	43	5	38	0.005	24	100	OK/DL		✔
9	je20901-4	AA118147	GC65375	DGMEE	43	5	38	0.5	24	1	OK/DL	CH4↑, bubble in headspace	✔
10	je20901-4	AA118148	GC65375	DGMEE	43	5	38	0.005	24	100	OK/DL		✔
11	je20901-5	AA118149	GC65375	DGMEE	43	5	38	0.5	24	1	OK	bubble in headspace	✔
12	je20825-1	AA118150	GC65375	CH4	43	5	38	0.5	24	1	OK/DL	CH4↑	✔
13	je20825-1dup	AA118151	GC65375	CH4	43	5	38	0.5	24	1	OK		✔
14	je20825-1	AA118152	GC65375	CH4	43	5	38	0.005	24	100	OK/DL		✔
15	je20825-3	AA118153	GC65375	CH4	43	5	38	0.5	24	1	OK/DL	CH4↑	✔
16	je20825-3	AA118154	GC65375	CH4	43	5	38	0.005	24	100	OK/DL		✔
17	je20825-5	AA118155	GC65375	CH4	43	5	38	0.5	24	1	OK/DL	CH4↑	✔
18	je20825-5	AA118156	GC65375	CH4	43	5	38	0.01	24	50	OK/DL		✔
19	je21034-1	AA118157	GC65402	CH4	44	5	39	0.5	24	1	OK		6
20	cc3333-100	AA118158						0.05	24		OK		
21	je21034-6	AA118159	GC65402	CH4	44	5	39	0.5	24	1	OK/DL	CH4↑, bubble in headspace	✔
22	je21034-6	AA118160	GC65402	CH4	44	5	39	0.05	24	10	OK/DL		✔
23	je21153-1	AA118161	GC65392	DGMEE	43	5	38	0.5	24	1	OK/DL	CH4↑	✔
24	je21153-1	AA118162	GC65392	DGMEE	43	5	38	0.02	24	25	OK/DL		✔
25	je21153-2	AA118163	GC65392	DGMEE	43	5	38	0.5	24	1	OK/DL	CH4↑	✔
26	je21153-2	AA118164	GC65392	DGMEE	43	5	38	0.05	24	10	OK/DL		✔
27	je21153-3	AA118165	GC65392	DGMEE	43	5	38	0.5	24	1	OK/DL	CH4↑	✔
28	je21153-3	AA118166	GC65392	DGMEE	43	5	38	0.05	24	10	OK/DL		✔
29	je21153-4	AA118167	GC65392	DGMEE	43	5	38	0.5	24	1	OK/DL	CH4↑	✔
30	je21153-4	AA118168	GC65392	DGMEE	43	5	38	0.005	24	100	OK/DL		✔
31	je21153-5	AA118169	GC65392	DGMEE	43	5	38	0.5	24	1	OK/DL	CH4↑	✔
32	je21153-5	AA118170	GC65392	DGMEE	43	5	38	0.01	24	50	OK/DL		✔
33	je21153-6	AA118171	GC65392	DGMEE	43	5	38	0.5	24	1	OK/DL	CH4↑	✔
34	je21153-6	AA118172	GC65392	DGMEE	43	5	38	0.02	24	25	OK/DL		✔
35	cc3333-100	AA118173			38		38				OK		
36	je21153-7	AA118174	GC65392	DGMEE	43	5	38	0.5	24	1	OK		✔

SGS

DISSOLVED GASES by GC-FID/TCD ANALYSIS LOG (RSK-175)

Batch ID: GAA3393
Date: 10/22/2025
Laboratory Analyst: William Cruser

GC-AA Column: Rt-Alumina BOND/Na_2SO_4 (50m x 0.53mm
GC-FID/TCD Method - MEE: MAA3333.M
Initial Calibration Method - MEE: MAA3333.M
Sequence File - MEE: AA20251022.s

GC-WW Column: Sulpelco Carboxen 1006 PLOT (30m x 0.53
GC-FID/TCD Method - CO_2: MWW5884.M
Initial Calibration Method - CO_2: MWW5884.M
Sequence File - CO_2: N/A

LGX-50 Method: DGA
Data Validator: William Cruser

		Standard Information							
		Standard (Primary)				LCS (Secondary)			
Target Analytes	MW (g/mol)	Lot #	Expiration Date	Conc. (ppmv)	**Conc. (µg/L)	Lot #	Expiration Date	Conc. (ppmv)	**Conc. (µg/L)
Methane	16	AS10705	7/17/2026	1000	654	AS10657	4/30/2026	1000	654
Ethane	30	AS10705	7/17/2026	1000	1227	AS10657	4/30/2026	1000	1227
Ethene	28	AS10705	7/17/2026	1000	1145	AS10657	4/30/2026	1000	1145
Propane	44	AS10705	7/17/2026	1000	1800	AS10657	4/30/2026	1000	1800
Carbon Monoxide	28	AS10705	7/17/2026	1000	1145	AS10657	4/30/2026	1000	1145
Carbon Dioxide	44	AS10705	7/17/2026	1000	1800	AS10657	4/30/2026	1000	1800

**mg/L = ppmv x (MW/24.45)

	ID / LOT #	Expiration Date
Thermometer	57339	8/19/2026
pH Paper	234223	12/1/2026
Helium Cylinder	N2443173RS	N/A

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.
*If pH > 2.0, comment on sample result.

ALS	Sample ID	Data File ID	GC Code	TEST CODE	VOA Vial Volume (cc)	Headspace Volume (cc)	Final Sample Volume (cc)	Injection Volume (cc)	Temp. °C	Dilution Factor	STATUS	COMMENTS	*pH < 2.0
37	je21153-8	AA118175	GC65392	DGMEE	43	5	38	0.5	24	1	OK		✔
38	da76334-1a	AA118176	GC65408	DGMEP	43	5	38	0.5	24	1	OK/DL	CH4↑, bubble in headspace	✔
39	da76334-1a	AA118177	GC65408	DGMEP	43	5	38	0.0025	24	200	OK/DL		✔
40	je21190-1	AA118178	GC65392	CH4	43	5	38	0.5	24	1	OK		✔
41	je21190-2	AA118179	GC65392	CH4	43	5	38	0.5	24	1	OK		✔
42	lcs	AA118180			38		38	0.05	24		OK		
43	cc3333-100	AA118181			38		38	0.05	24		OK		

SGS

VOLATILE by GCMS ANALYSIS LOG

Date:10/9/2025

Standard data

Lot Number	Expiration Date	Concentration	Standard ID
V025-2804-39	11/9/2025	20000ppm	GRO STD
V025-2804-35	11/6/2025	5000ppm	GRO STD(2)
V024-2790-138	12/19/2025	250/500ppm	GRO Marker

Internal/Surrogate data

Lot Number	Expiration Date	Concentration	Surrogate ID
V025-2804-31	10/25/2025	250ppm	GRO Surrogate

Batch ID: GKM588

Print Analyst Name: John Nieradka

Data Processed By: John Nieradka

Columns:RTX-502.2(105m x 0.53mm x 3µm)

Method: V8015GRO

Initial Cal. Method: KM588

pH Method: V8260d

Date Archived:_____

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

Supervisor Signature- _____

ALS	Sample ID	Method	File ID	MS Batch, Run ID, Pv,,,, Dil.	Vial #	Purge Vol	IS/SURR	pH	STATUS	Comments
5	IB	MKM588	KM14011	GC65359,GKM588,5.0,,,,1		5ml				
6	RT	MKM588	KM14012	GC65359,GKM588,5.0,,,,1		5ml			ok	10uL GRO Marker/50ml
7	IB	MKM588	KM14013	GC65359,GKM588,5.0,,,,1		5ml				
8	IC588-200	MKM588	KM14014	GC65359,GKM588,5.0,,,,1		5ml			ok	2uL GRO STD/200ml
9	IC588-800	MKM588	KM14015	GC65359,GKM588,5.0,,,,1		5ml			ok	4uL GRO STD/100ml
10	IC588-4000	MKM588	KM14016	GC65359,GKM588,5.0,,,,1		5ml			ok	10uL GRO STD/50ml
11	ICC588-8000	MKM588	KM14017	GC65359,GKM588,5.0,,,,1		5ml			ok	20uL GRO STD/50ml
12	IC588-20000	MKM588	KM14018	GC65359,GKM588,5.0,,,,1		5ml			ok	50uL GRO STD/50ml
13	IC588-30000	MKM588	KM14019	GC65359,GKM588,5.0,,,,1		5ml			ok	75uL GRO STD/50ml
14	IB	MKM588	KM14020	GC65359,GKM588,5.0,,,,1		5ml				
15	IC588-40000	MKM588	KM14021	GC65359,GKM588,5.0,,,,1		5ml			ok	100uL GRO STD/50ml
16	IB	MKM588	KM14022	GC65359,GKM588,5.0,,,,1		5ml				
17	IB	MKM588	KM14023	GC65359,GKM588,5.0,,,,1		5ml				
18	IB	MKM588	KM14024	GC65359,GKM588,5.0,,,,1		5ml				
19	ICV588-8000	MKM588	KM14025	GC65359,GKM588,5.0,,,,1		5ml			ok	80uL GRO STD(2)/50ml

SGS

VOLATILE by GCMS ANALYSIS LOG

Date:10/13/2025

Standard data

Lot Number	Expiration Date	Concentration	Standard ID
V025-2804-39	11/9/2025	20000ppm	GRO STD
V025-2804-35	11/6/2025	5000ppm	GRO STD(2)
V024-2790-138	12/19/2025	250/500ppm	GRO Marker

Internal/Surrogate data

Lot Number	Expiration Date	Concentration	Surrogate ID
V025-2804-31	10/25/2025	250ppm	GRO Surrogate

Batch ID: GKM591

Print Analyst Name: John Nieradka

Data Processed By: GeralynG

Columns:RTX-502.2(105m x 0.53mm x 3µm)

Method: V8015GRO

Initial Cal. Method: KM588

pH Method: V8260d

Date Archived:_____

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

Supervisor Signature- _____

ALS	Sample ID	Method	File ID	MS Batch, Run ID, Pv,,,, Dil.	Vial #	Purge Vol	IS/SURR	pH	STATUS	Comments
1	ib	MKM588	KM14094	GC65358,GKM591,5.0,,100,5,1		5ml			ok	
2	ib	MKM588	KM14095	GC65358,GKM591,5.0,,100,5,1		5ml			ok	
3	rt	MKM588	KM14096	GC65358,GKM591,5.0,,100,5,1		5ml			ok	10uL GRO Marker/50ml
4	CC588-8000	MKM588	KM14097	GC65358,GKM591,5.0,,100,5,1		5ml			ok	20uL GRO STD/50ml
5	mb	MKM588	KM14098	GC65370,GKM591,5.0,,,,1		5ml			ok	
6	bs	MKM588	KM14099	GC65370,GKM591,5.0,,,,1		5ml			ok	80uL GRO STD(2)/50ml
7	bsd	MKM588	KM14100	GC65370,GKM591,5.0,,,,1		5ml			ok	80uL GRO STD(2)/50ml
8	je20921-1	MKM588	KM14101	GC65370,GKM591,5.0,,,,1		5ml		1	ok	
9	je20921-1dup	MKM588	KM14102	GC65370,GKM591,5.0,,,,1		5ml		1	ok	
10	je20921-2	MKM588	KM14103	GC65370,GKM591,5.0,,,,1		5ml		1	ok	
11	je20904-5	MKM588	KM14104	GC65370,GKM591,5.0,,,,1		5ml		6	ok	
12	je20599-1	MKM588	KM14105	GC65359,GKM591,5.0,,,,10		5ml		1	ok	
13	je20921-2ms	MKM588	KM14106	GC65370,GKM591,5.0,,,,1		5ml		1	ok	20uL GRO STD/50ml
14	cc588-4000	MKM588	KM14107	GC65370,GKM591,5.0,,,,1		5ml			ok	10uL GRO STD/50ml
15	mb2	MKM588	KM14108	GC65370,GKM591,5.0,,,,1		5ml			ok	
16	je20599-4	MKM588	KM14109	GC65359,GKM591,5.0,,,,1		5ml		1	ok	
17	je20888-1	MKM588	KM14110	GC65370,GKM591,5.0,,,,1		5ml		1	ok	
18	je20888-2	MKM588	KM14111	GC65370,GKM591,5.0,,,,1		5ml		1	ok	
19	je20888-3	MKM588	KM14112	GC65370,GKM591,5.0,,,,1		5ml		1	ok	
20	je20921-4	MKM588	KM14113	GC65370,GKM591,5.0,,,,1		5ml		1	ok	
21	je20825-5	MKM588	KM14114	GC65370,GKM591,5.0,,,,1		5ml		1	ok	
22	je20599-2	MKM588	KM14115	GC65359,GKM591,5.0,,,,1		5ml		1	ok	
23	je20599-1	MKM588	KM14116	GC65359,GKM591,5.0,,,,1		5ml		1	ok	
24	cc588-8000	MKM588	KM14117	GC65370,GKM591,5.0,,,,1		5ml			ok	20uL GRO STD/50ml
25	ib	MKM588	KM14118	GC65370,GKM591,5.0,,,,1		5ml			ok	
26	mb3	MKM588	KM14119	GC65370,GKM591,5.0,,,,1		5ml			ok	
27	je3729-7	MKM588	KM14120	GC65321,GKM591,5.0,,,,1		5ml			ok	MDL: 200ppb

SGS

VOLATILE by GCMS ANALYSIS LOG

Date:10/13/2025

Standard data

Lot Number	Expiration Date	Concentration	Standard ID
V025-2804-39	11/9/2025	20000ppm	GRO STD
V025-2804-35	11/6/2025	5000ppm	GRO STD(2)
V024-2790-138	12/19/2025	250/500ppm	GRO Marker

Internal/Surrogate data

Lot Number	Expiration Date	Concentration	Surrogate ID
V025-2804-31	10/25/2025	250ppm	GRO Surrogate

Batch ID: GKM591

Print Analyst Name: John Nieradka

Data Processed By: GeralynG

Columns:RTX-502.2(105m x 0.53mm x 3µm)

Method: V8015GRO

Initial Cal. Method: KM588

pH Method: V8260d

Date Archived:_____

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

Supervisor Signature- _____

ALS	Sample ID	Method	File ID	MS Batch, Run ID, Pv,,,, Dil.	Vial #	Purge Vol	IS/SURR	pH	STATUS	Comments
28	je20921-3	MKM588	KM14121	GC65370,GKM591,5.0,,,,1		5ml		1	ok	
29	je20825-3	MKM588	KM14122	GC65370,GKM591,5.0,,,,1		5ml		1	ok	
30	je20825-1	MKM588	KM14123	GC65370,GKM591,5.0,,,,1		5ml		1	ok	
31	je20825-2	MKM588	KM14124	GC65370,GKM591,5.0,,,,1		5ml		1	ok	
32	cc588-4000	MKM588	KM14125	GC65370,GKM591,5.0,,,,1		5ml			ok	10uL GRO STD/50ml

SGS

VOLATILE by GCMS ANALYSIS LOG

Date:10/13/2025

Standard data

Lot Number	Expiration Date	Concentration	Standard ID
V025-2804-39	11/9/2025	20000ppm	GRO STD
V025-2804-35	11/6/2025	5000ppm	GRO STD(2)
V024-2790-138	12/19/2025	250/500ppm	GRO Marker

Internal/Surrogate data

Lot Number	Expiration Date	Concentration	Surrogate ID
V025-2804-31	10/25/2025	250ppm	GRO Surrogate

Batch ID: GKM592

Print Analyst Name: John Nieradka

Data Processed By: KristelV

Columns:RTX-502.2(105m x 0.53mm x 3µm)

Method: V8015GRO

Initial Cal. Method: KM588

pH Method: V8260d

Date Archived:_____

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

Supervisor Signature- _____

ALS	Sample ID	Method	File ID	MS Batch, Run ID, Pv,,,, Dil.	Vial #	Purge Vol	IS/SURR	pH	STATUS	Comments
33	mb	MKM588	KM14126	GC65371,GKM592,5.0,,100,5,1		5ml			ok	
34	bs	MKM588	KM14127	GC65371,GKM592,5.0,,100,5,1		5ml			ok	80uL GRO STD(2)/50ml
35	bsd	MKM588	KM14128	GC65371,GKM592,5.0,,100,5,1		5ml			ok	80uL GRO STD(2)/50ml
36	je20904-2	MKM588	KM14129	GC65371,GKM592,5.5,,100,10,1		5ml			ok	
37	je20849-1	MKM588	KM14130	GC65371,GKM592,5.6,,100,10,1		5ml			ok	
38	je20849-2	MKM588	KM14131	GC65371,GKM592,6.1,,100,10,1		5ml			ok	
39	je20904-1	MKM588	KM14132	GC65371,GKM592,3.7,,100,10,1		5ml			ok	
40	je20904-2ms	MKM588	KM14133	GC65371,GKM592,5.5,,100,10,1		5ml			ok	20uL GRO STD/50ml
41	je20904-2msd	MKM588	KM14134	GC65371,GKM592,5.5,,100,10,1		5ml			ok	20uL GRO STD/50ml
42	cc588-8000	MKM588	KM14135	GC65371,GKM592,5.0,,100,5,1		5ml			ok	20uL GRO STD/50ml; FOLLOW SAMPLE ID IN RUNLOG
43	ib	MKM588	KM14136	GC65371,GKM592,5.0,,100,5,1		5ml			ok	
44	mb2	MKM588	KM14137	GC65371,GKM592,5.0,,100,5,1		5ml			ok	
45	je3730-7	MKM588	KM14138	GC65322,GKM592,5.0,,100,5,1		5ml			ok	MDL: 200ppb
46	je20904-3	MKM588	KM14139	GC65371,GKM592,4.3,,100,10,1		5ml			ok	
47	je20904-4	MKM588	KM14140	GC65371,GKM592,5.0,,100,10,1		5ml			ok	
48	cc588-4000	MKM588	KM14141	GC65371,GKM592,5.0,,100,5,1		5ml			ok	GRO STD/50ml; FOLLOW SAMPLE ID IN RUNLOG; 6:59am

SGS

VOLATILE by GCMS ANALYSIS LOG

Date:10/14/2025

Standard data

Lot Number	Expiration Date	Concentration	Standard ID
V025-2804-39	11/9/2025	20000ppm	GRO STD
V025-2804-35	11/6/2025	5000ppm	GRO STD(2)
V024-2790-138	12/19/2025	250/500ppm	GRO Marker

Internal/Surrogate data

Lot Number	Expiration Date	Concentration	Surrogate ID
V025-2804-31	10/25/2025	250ppm	GRO Surrogate

Batch ID: GKM593

Print Analyst Name: John Nieradka

Data Processed By:

Columns:RTX-502.2(105m x 0.53mm x 3µm)

Method: V8015GRO

Initial Cal. Method: KM588

pH Method: V8260d

Date Archived:_____

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

Supervisor Signature- _____

ALS	Sample ID	Method	File ID	MS Batch, Run ID, Pv,,,, Dil.	Vial #	Purge Vol	IS/SURR	pH	STATUS	Comments
1	ib	MKM588	KM14142	GC65359,GKM593,5.0,,,,1		5ml				
2	ib	MKM588	KM14143	GC65359,GKM593,5.0,,,,1		5ml				
3	rt	MKM588	KM14144	GC65359,GKM593,5.0,,,,1		5ml			ok	10uL GRO Marker/50ml
4	cc588-8000	MKM588	KM14145	GC65359,GKM593,5.0,,,,1		5ml			ok	20uL GRO STD/50ml
5	mb	MKM588	KM14146	GC65359,GKM593,5.0,,,,1		5ml			ok	
6	bs	MKM588	KM14147	GC65359,GKM593,5.0,,,,1		5ml			ok	80uL GRO STD(2)/50ml
7	je20971-1	MKM588	KM14148	GC65378,GKM593,5.0,,,,1		5ml		1	ok	
8	je20971-2	MKM588	KM14149	GC65378,GKM593,5.0,,,,1		5ml		1	ok	
9	je20599-2	MKM588	KM14150	GC65359,GKM593,5.0,,,,1		5ml		1	ok	
10	je20825-1	MKM588	KM14151	GC65370,GKM593,5.0,,,,1		5ml		1	ok	
11	je20825-2	MKM588	KM14152	GC65370,GKM593,5.0,,,,1		5ml		1	ok	
12	je20825-3	MKM588	KM14153	GC65370,GKM593,5.0,,,,1		5ml		1	ok	
13	je20971-1ms	MKM588	KM14154	GC65378,GKM593,5.0,,,,1		5ml		1	ok	20uL GRO STD/50ml
14	cc588-4000	MKM588	KM14155	GC65378,GKM593,5.0,,,,1		5ml			ok	10uL GRO STD/50ml
15	mb2	MKM588	KM14156	GC65378,GKM593,5.0,,,,1		5ml			ok	
16	je3729-8	MKM588	KM14157	GC65321,GKM593,5.0,,,,1		5ml			ok	MDL: 200ppb
17	je20971-3	MKM588	KM14158	GC65378,GKM593,5.0,,,,1		5ml		1	ok	
18	je20971-2dup	MKM588	KM14159	GC65378,GKM593,5.0,,,,1		5ml		1	ok	
19	cc588-8000	MKM588	KM14160	GC65378,GKM593,5.0,,,,1		5ml			ok	20uL GRO STD/50ml

SGS

VOLATILE by GCMS ANALYSIS LOG

Date:10/20/2025

Standard data

Lot Number	Expiration Date	Concentration	Standard ID
V025-2804-39	11/9/2025	20000ppm	GRO STD
V025-2804-35	11/6/2025	5000ppm	GRO STD(2)
V024-2790-138	12/19/2025	250/500ppm	GRO Marker

Internal/Surrogate data

Lot Number	Expiration Date	Concentration	Surrogate ID
V025-2804-31	10/25/2025	250ppm	GRO Surrogate

Batch ID: GKM597

Print Analyst Name: John Nieradka

Data Processed By: ClaireB

Columns:RTX-502.2(105m x 0.53mm x 3µm)

Method: V8015GRO

Initial Cal. Method: KM588

pH Method: V8260d

Date Archived:_____

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

Supervisor Signature- _____

ALS	Sample ID	Method	File ID	MS Batch, Run ID, Pv,,,, Dil.	Vial #	Purge Vol	IS/SURR	pH	STATUS	Comments
1	ib	MKM588	KM14222	GC65400,GKM597,5.0,,,,1		5ml			OK	
2	ib	MKM588	KM14223	GC65400,GKM597,5.0,,,,1		5ml			OK	
3	rt	MKM588	KM14224	GC65400,GKM597,5.0,,,,1		5ml			OK	10uL GRO Marker/50ml; 10:26 AM
4	cc588-8000	MKM588	KM14225	GC65400,GKM597,5.0,,,,1		5ml			OK	20uL GRO STD/50ml
5	mb	MKM588	KM14226	GC65407,GKM597,5.0,,100,5,1		5ml			OK	
6	bs	MKM588	KM14227	GC65407,GKM597,5.0,,100,5,1		5ml			OK	80uL GRO STD(2)/50ml
7	je21445-1	MKM588	KM14228	GC65407,GKM597,8.9,,100,10,1		5ml			OK	
8	je21445-2	MKM588	KM14229	GC65407,GKM597,8.2,,100,10,1		5ml			OK	
9	je21445-3	MKM588	KM14230	GC65407,GKM597,10.2,,100,10,1		5ml			OK	
10	je21445-4	MKM588	KM14231	GC65407,GKM597,6.8,,100,10,1		5ml			OK	
11	je21445-5	MKM588	KM14232	GC65407,GKM597,9.0,,100,10,1		5ml			OK	
12	je21445-1ms	MKM588	KM14233	GC65407,GKM597,8.9,,100,10,1		5ml			OK	20uL GRO STD/50ml
13	je21445-1msd	MKM588	KM14234	GC65407,GKM597,8.9,,100,10,1		5ml			OK	20uL GRO STD/50ml
14	cc588-4000	MKM588	KM14235	GC65407,GKM597,5.0,,100,5,1		5ml			OK	10uL GRO STD/50ml
15	mb2	MKM588	KM14236	GC65407,GKM597,5.0,,100,5,1		5ml			OK	
16	je21445-6	MKM588	KM14237	GC65407,GKM597,9.4,,100,10,1		5ml			OK	
17	je21445-7	MKM588	KM14238	GC65407,GKM597,7.2,,100,10,1		5ml			OK	
18	je21445-8	MKM588	KM14239	GC65407,GKM597,8.8,,100,10,1		5ml			OK	
19	je21445-9	MKM588	KM14240	GC65407,GKM597,7.8,,100,10,1		5ml			OK	
20	je21445-10	MKM588	KM14241	GC65407,GKM597,9.8,,100,10,1		5ml			OK	
21	je21445-11	MKM588	KM14242	GC65407,GKM597,8.1,,100,10,1		5ml			OK	
22	je21445-12	MKM588	KM14243	GC65407,GKM597,8.5,,100,10,1		5ml			OK	
23	je21445-13	MKM588	KM14244	GC65407,GKM597,9.1,,100,10,1		5ml			OK	
24	cc588-8000	MKM588	KM14245	GC65322,GKM597,5.0,,100,5,1		5ml			OK	20uL GRO STD/50ml
25	mb3	MKM588	KM14246	GC65322,GKM597,5.0,,100,5,1		5ml			OK	
26	je3730-8	MKM588	KM14247	GC65322,GKM597,5.0,,100,5,1		5ml			OK	MDL
27	je21445-14	MKM588	KM14248	GC65407,GKM597,7.7,,100,10,1		5ml			OK	

SGS

VOLATILE by GCMS ANALYSIS LOG

Date:10/20/2025

Standard data

Lot Number	Expiration Date	Concentration	Standard ID
V025-2804-39	11/9/2025	20000ppm	GRO STD
V025-2804-35	11/6/2025	5000ppm	GRO STD(2)
V024-2790-138	12/19/2025	250/500ppm	GRO Marker

Internal/Surrogate data

Lot Number	Expiration Date	Concentration	Surrogate ID
V025-2804-31	10/25/2025	250ppm	GRO Surrogate

Batch ID: GKM597

Print Analyst Name: John Nieradka

Data Processed By: ClaireB

Columns:RTX-502.2(105m x 0.53mm x 3µm)

Method: V8015GRO

Initial Cal. Method: KM588

pH Method: V8260d

Date Archived:_____

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

Supervisor Signature- _____

ALS	Sample ID	Method	File ID	MS Batch, Run ID, Pv,,,, Dil.	Vial #	Purge Vol	IS/SURR	pH	STATUS	Comments
28	je21445-15	MKM588	KM14249	GC65407,GKM597,8.2,,100,10,1		5ml			OK	
29	cc588-4000	MKM588	KM14250	GC65322,GKM597,5.0,,100,5,1		5ml			OK	10uL GRO STD/50ml; 10:52 PM

SGS

VOLATILE by GCMS ANALYSIS LOG

Date:10/21/2025

Standard data

Lot Number	Expiration Date	Concentration	Standard ID
V025-2804-39	11/9/2025	20000ppm	GRO STD
V025-2804-35	11/6/2025	5000ppm	GRO STD(2)
V024-2790-138	12/19/2025	250/500ppm	GRO Marker

Internal/Surrogate data

Lot Number	Expiration Date	Concentration	Surrogate ID
V025-2804-31	10/25/2025	250ppm	GRO Surrogate

Batch ID: GKM598

Print Analyst Name: John Nieradka

Data Processed By: RosanlieA

Columns:RTX-502.2(105m x 0.53mm x 3µm)

Method: V8015GRO

Initial Cal. Method: KM588

pH Method: V8260d

Date Archived:_____

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

Supervisor Signature- _____

ALS	Sample ID	Method	File ID	MS Batch, Run ID, Pv,,,, Dil.	Vial #	Purge Vol	IS/SURR	pH	STATUS	Comments
1	ib	MKM588	KM14251	GC65322,GKM598,5.0,,100,5,1		5ml			ok	
2	ib	MKM588	KM14252	GC65322,GKM598,5.0,,100,5,1		5ml			ok	
3	rt	MKM588	KM14253	GC65322,GKM598,5.0,,100,5,1		5ml			ok	10uL GRO Marker/50ml
4	cc588-8000	MKM588	KM14254	GC65322,GKM598,5.0,,100,5,1		5ml			ok	20uL GRO STD/50ml
5	mb	MKM588	KM14255	GC65400,GKM598,5.0,,,,1		5ml			ok	
6	bs	MKM588	KM14256	GC65400,GKM598,5.0,,,,1		5ml			ok	80uL GRO STD(2)/50ml
7	je20825-1	MKM588	KM14257	GC65370,GKM598,5.0,,,,1		5ml		1	ok	
8	je21034-1	MKM588	KM14258	GC65400,GKM598,5.0,,,,1		5ml		1	ok	
9	je21034-6	MKM588	KM14259	GC65400,GKM598,5.0,,,,1		5ml		1	ok	
10	je21472-3	MKM588	KM14260	GC65411,GKM598,5.0,,,,1		5ml		1	ok	
11	je21472-1	MKM588	KM14261	GC65411,GKM598,5.0,,,,1		5ml		1	ok	
12	je20825-1ms	MKM588	KM14262	GC65370,GKM598,5.0,,,,1		5ml		1	ok	20uL GRO STD/50ml
13	je20825-1msd	MKM588	KM14263	GC65370,GKM598,5.0,,,,1		5ml		1	ok	20uL GRO STD/50ml
14	cc588-4000	MKM588	KM14264	GC65370,GKM598,5.0,,,,1		5ml			ok	10uL GRO STD/50ml
15	mb2	MKM588	KM14265	GC65370,GKM598,5.0,,,,1		5ml			ok	
16	je21513-1	MKM588	KM14266	GC65414,GKM598,5.0,,,,1		5ml		1	ok	
17	je21472-2	MKM588	KM14267	GC65411,GKM598,5.0,,,,1		5ml		1	ok	
18	cc588-8000	MKM588	KM14268	GC65370,GKM598,5.0,,,,1		5ml			ok	20uL GRO STD/50ml

GC/LC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries
- GC Surrogate Retention Time Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method Blank Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP68149-MB1	3Y97045.D	1	10/17/25	CB	10/14/25	OP68149	G3Y3746

The QC reported here applies to the following samples: **Method:** SW846 8015D

JE20825-1, JE20825-3, JE20825-5, JE20825-1A, JE20825-3A, JE20825-5A

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.080	0.039	mg/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	101%	70-130%
438-22-2	5a-Androstane	100%	70-130%

Method Blank Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP68149-MB2	3Y97048.D	1	10/17/25	CB	10/14/25	OP68149	G3Y3746

The QC reported here applies to the following samples: **Method:** SW846 8015D

JE20825-1, JE20825-3, JE20825-5, JE20825-1A, JE20825-3A, JE20825-5A

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.081	0.039	mg/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	86%	70-130%
438-22-2	5a-Androstane	84%	70-130%

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP68149-BS1	3Y97046.D	1	10/17/25	CB	10/14/25	OP68149	G3Y3746
OP68149-BSD	3Y97047.D	1	10/17/25	CB	10/14/25	OP68149	G3Y3746

The QC reported here applies to the following samples: **Method:** SW846 8015D

JE20825-1, JE20825-3, JE20825-5, JE20825-1A, JE20825-3A, JE20825-5A

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	BSD mg/l	BSD %	RPD	Limits Rec/RPD
	TPH-DRO (C10-C28)	2	1.97	99	1.99	99	2	70-130/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
84-15-1	o-Terphenyl	115%	110%	70-130%
438-22-2	5a-Androstane	110%	109%	70-130%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP68149-BS2	3Y97049.D	1	10/17/25	CB	10/14/25	OP68149	G3Y3746
OP68149-BSD2	3Y97050.D	1	10/17/25	CB	10/14/25	OP68149	G3Y3746

The QC reported here applies to the following samples: **Method:** SW846 8015D

JE20825-1, JE20825-3, JE20825-5, JE20825-1A, JE20825-3A, JE20825-5A

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	BSD mg/l	BSD %	RPD	Limits Rec/RPD
	TPH-DRO (C10-C28)	2.03	1.95	96	1.94	96	1	70-130/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
84-15-1	o-Terphenyl	111%	112%	70-130%
438-22-2	5a-Androstane	107%	111%	70-130%

12.2.2
12

* = Outside of Control Limits.

Matrix Spike Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP68149-MS2	3Z97173.D	1	10/20/25	RK	10/16/25	OP68149	G3Z3747
JE20825-1A	3Y97070.D	1	10/18/25	CB	10/14/25	OP68149	G3Y3746

The QC reported here applies to the following samples: **Method:** SW846 8015D

JE20825-1A

CAS No.	Compound	JE20825-1A mg/l	Q	Spike mg/l	MS mg/l	MS %	Limits
	TPH-DRO (C10-C28)	0.951		2.21	3.25	104	70-130

CAS No.	Surrogate Recoveries	MS	JE20825-1A	Limits
84-15-1	o-Terphenyl	113%	103%	70-130%
438-22-2	5a-Androstane	93%	95%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP68149-MS	3Z97169.D	1	10/20/25	RK	10/16/25	OP68149	G3Z3747
OP68149-MSD	3Z97170.D	1	10/20/25	RK	10/16/25	OP68149	G3Z3747
JE20825-1	3Y97066.D	1	10/18/25	CB	10/14/25	OP68149	G3Y3746

The QC reported here applies to the following samples: **Method:** SW846 8015D

JE20825-1, JE20825-3, JE20825-5, JE20825-3A, JE20825-5A

CAS No.	Compound	JE20825-1 mg/l	Q	Spike mg/l	MS mg/l	MS %	Spike mg/l	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-DRO (C10-C28)	0.994		2.22	3.25	102	2.31	3.24	97	5	70-130/30

CAS No.	Surrogate Recoveries	MS	MSD	JE20825-1	Limits
84-15-1	o-Terphenyl	113%	109%	109%	70-130%
438-22-2	5a-Androstane	95%	94%	100%	70-130%

* = Outside of Control Limits.

Surrogate Recovery Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Method: SW846 8015D **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S2 [a]
JE20825-1	3Y97066.D	109	100
JE20825-3	3Y97068.D	107	100
JE20825-5	3Y97069.D	103	98
JE20825-1A	3Y97070.D	103	95
JE20825-3A	3Y97072.D	109	96
JE20825-5A	3Y97073.D	103	96
OP68149-BS1	3Y97046.D	115	110
OP68149-BS2	3Y97049.D	111	107
OP68149-BSD	3Y97047.D	110	109
OP68149-BSD2	3Y97050.D	112	111
OP68149-MB1	3Y97045.D	101	100
OP68149-MB2	3Y97048.D	86	84
OP68149-MS	3Z97169.D	113	95
OP68149-MS2	3Z97173.D	113	93
OP68149-MSD	3Z97170.D	109	94

Surrogate Compounds	Recovery Limits
S1 = o-Terphenyl	70-130%
S2 = 5a-Androstane	70-130%

(a) Recovery from GC signal #1

GC Surrogate Retention Time Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Check Std:	G3Y3746-CC3745	**Injection Date:**	10/17/25
Lab File ID:	3Y97042.D	**Injection Time:**	16:19
Instrument ID:	GC3Y	**Method:**	SW846 8015D

	S1 [a] RT	S2 [a] RT
Check Std	3.91	4.11

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT
G3Y3746-RT	3Y97044.D	10/17/25	16:58		
OP68149-MB1	3Y97045.D	10/17/25	17:18	3.91	4.11
OP68149-BS1	3Y97046.D	10/17/25	17:38	3.91	4.12
OP68149-BSD	3Y97047.D	10/17/25	17:58	3.91	4.11
OP68149-MB2	3Y97048.D	10/17/25	18:17	3.91	4.11
OP68149-BS2	3Y97049.D	10/17/25	18:37	3.91	4.11
OP68149-BSD2	3Y97050.D	10/17/25	18:57	3.91	4.11
OP68121-MB1	3Y97051.D	10/17/25	19:17	3.91	4.11

Surrogate Compounds

S1 = o-Terphenyl
S2 = 5a-Androstane

(a) Retention time from GC signal #1

GC Surrogate Retention Time Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Check Std:	G3Y3746-CC3745	**Injection Date:**	10/17/25
Lab File ID:	3Y97064.D	**Injection Time:**	23:34
Instrument ID:	GC3Y	**Method:**	SW846 8015D

	S1 [a] RT	S2 [a] RT
Check Std	3.90	4.11

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT
JE20825-1	3Y97066.D	10/18/25	00:14	3.91	4.11
JE20825-3	3Y97068.D	10/18/25	00:54	3.91	4.11
JE20825-5	3Y97069.D	10/18/25	01:14	3.91	4.11
JE20825-1A	3Y97070.D	10/18/25	01:34	3.91	4.11
JE20825-3A	3Y97072.D	10/18/25	02:13	3.91	4.11
JE20825-5A	3Y97073.D	10/18/25	02:33	3.91	4.11

Surrogate Compounds

S1 = o-Terphenyl
S2 = 5a-Androstane

(a) Retention time from GC signal #1

GC Surrogate Retention Time Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Check Std:	G3Z3747-CC3740	**Injection Date:**	10/20/25
Lab File ID:	3Z97167.D	**Injection Time:**	01:25
Instrument ID:	GC3Z	**Method:**	SW846 8015D

	S1 [a] RT	S2 [a] RT
Check Std	3.87	4.07

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT
OP68149-MS	3Z97169.D	10/20/25	02:05	3.87	4.08
OP68149-MSD	3Z97170.D	10/20/25	02:25	3.87	4.08
OP68149-MS2	3Z97173.D	10/20/25	03:25	3.87	4.07

Surrogate Compounds

S1 = o-Terphenyl
S2 = 5a-Androstane

(a) Retention time from GC signal #1

Initial Calibration Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: G3Y3745-ICC3745
Lab FileID: 3Y97026.D

Response Factor Report GC3Y3Z

Method : C:\msdchem\1\methods\DROLVI3y3745.M (ChemStation Integrator)
Title : GCTPHS
Last Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration

Calibration Files
1 =3y97037.d 2 =3y97022.d 4 =3y97023.d 10 =3y97024.d
20 =3y97025.d 40 =3y97026.d 100 =3y97027.d 200 =3y97028.d
400 =3y97029.d = = =

Compound

	1	2	4	10	20	40	100	200	400	2000	Avg	%RSD
1) TPH-DRO	4.099	3.460	3.329	3.274	3.263	3.232	3.390	3.620	3.294		3.440 E7	7.99
2) TPH-DRO (C10-C44)	4.099	3.460	3.329	3.274	3.263	3.232	3.390	3.620	3.294		3.440 E7	7.99
3) TPH-ORO (>C28-C40)	4.099	3.460	3.329	3.274	3.263	3.232	3.390	3.620	3.294		3.440 E7	7.99
4) TPH-DRO (C10-C20)	4.099	3.460	3.329	3.274	3.263	3.232	3.390	3.620	3.294		3.440 E7	7.99
5) TPH-ORO (C20-C34)	4.099	3.460	3.329	3.274	3.263	3.232	3.390	3.620	3.294		3.440 E7	7.99
6) o-TERPHENYL			4.046	4.600	4.351	4.286	4.616	5.159			4.510 E7	8.48
7) 5a-ANDROSTANE			3.519	4.095	3.662	3.876	4.126	4.515			3.966 E7	9.05

(#) = Out of Range ### Number of calibration levels exceeded format ###

DROLVI3y3745.M Sat Oct 18 23:10:15 2025

Initial Calibration Verification

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: G3Y3745-ICV3745
Lab FileID: 3Y97039.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\g3y3745\3y97039.d Vial: 142
Acq On : 17 Oct 2025 3:19 pm Operator: claudiab
Sample : icv3745-40 Inst : GC3Y3Z
Misc : op68028,g3y3745,5.0,,,10,1 Multiplr: 1.00
IntFile : autoint1.e

Method : C:\msdchem\1\methods\DROLVI3y3745.M (ChemStation Integrator)
Title : GCTPHS
Last Update : Sat Oct 18 23:08:00 2025
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	H	TPH-DRO	34.400	40.329 E6	-17.2	125	0.00	2.00- 5.20
2	H	TPH-DRO (C10-C44)		----------NA----------				
3	H	TPH-ORO (>C28-C40)		----------NA----------				
4	H	TPH-DRO (C10-C20)		----------NA----------				
5	H	TPH-ORO (C20-C34)		----------NA----------				
6	S	o-TERPHENYL		----------NA----------				
7	S	5a-ANDROSTANE		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3y97026.d DROLVI3y3745.M Sat Oct 18 23:08:39 2025

12.7.2 12

Continuing Calibration Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY
Sample: G3Y3746-CC3745
Lab FileID: 3Y97042.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\g3y3745\3y97042.d Vial: 4
Acq On : 17 Oct 2025 4:19 pm Operator: claudiab
Sample : cc3745-40 Inst : GC3Y3Z
Misc : op68028,g3y3746,5.0,,,10,1 Multiplr: 1.00
IntFile : autoint1.e

Method : C:\msdchem\1\methods\DROLVI3y3745.M (ChemStation Integrator)
Title : GCTPHS
Last Update : Mon Oct 20 20:54:45 2025
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 H	TPH-DRO	34.400	39.463 E6	-14.7	122	0.00	2.00- 5.20
2 H	TPH-DRO (C10-C44)		----------NA----------				
3 H	TPH-ORO (>C28-C40)		----------NA----------				
4 H	TPH-DRO (C10-C20)		----------NA----------				
5 H	TPH-ORO (C20-C34)		----------NA----------				
6 S	o-TERPHENYL	45.097	54.831 E6	-21.6#	128	-0.01	3.88- 3.94
7 S	5a-ANDROSTANE	39.656	49.102 E6	-23.8#	127	-0.01	4.08- 4.14

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3y97026.d DROLVI3y3745.M Mon Oct 20 21:28:06 2025

12.7.3 12

Continuing Calibration Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: G3Y3746-CC3745
Lab FileID: 3Y97053.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\g3y3745\3y97053.d Vial: 3
Acq On : 17 Oct 2025 7:56 pm Operator: claudiab
Sample : cc3745-20 Inst : GC3Y3Z
Misc : op68028,g3y3746,5.0,,,10,1 Multiplr: 1.00
IntFile : autoint1.e

Method : C:\msdchem\1\methods\DROLVI3y3745.M (ChemStation Integrator)
Title : GCTPHS
Last Update : Mon Oct 20 20:54:45 2025
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	H	TPH-DRO	34.400	37.493 E6	-9.0	115	0.00	2.00- 5.20
2	H	TPH-DRO (C10-C44)		----------NA----------				
3	H	TPH-ORO (>C28-C40)		----------NA----------				
4	H	TPH-DRO (C10-C20)		----------NA----------				
5	H	TPH-ORO (C20-C34)		----------NA----------				
6	S	o-TERPHENYL	45.097	54.293 E6	-20.4#	125	-0.01	3.87- 3.93
7	S	5a-ANDROSTANE	39.656	45.498 E6	-14.7	124	-0.02	4.08- 4.14

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3y97025.d DROLVI3y3745.M Mon Oct 20 21:27:43 2025

12.7.4 12

Continuing Calibration Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: G3Y3746-CC3745
Lab FileID: 3Y97064.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\g3y3745\3y97064.d Vial: 4
Acq On : 17 Oct 2025 11:34 pm Operator: claudiab
Sample : cc3745-40 Inst : GC3Y3Z
Misc : op68028,g3y3746,5.0,,,10,1 Multiplr: 1.00
IntFile : autoint1.e

Method : C:\msdchem\1\methods\DROLVI3y3745.M (ChemStation Integrator)
Title : GCTPHS
Last Update : Mon Oct 20 20:54:45 2025
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	H	TPH-DRO	34.400	39.725 E6	-15.5	123	0.00	2.00- 5.20
2	H	TPH-DRO (C10-C44)		----------NA----------				
3	H	TPH-ORO (>C28-C40)		----------NA----------				
4	H	TPH-DRO (C10-C20)		----------NA----------				
5	H	TPH-ORO (C20-C34)		----------NA----------				
6	S	o-TERPHENYL	45.097	54.939 E6	-21.8#	128	-0.01	3.87- 3.93
7	S	5a-ANDROSTANE	39.656	48.154 E6	-21.4#	124	-0.02	4.08- 4.14

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3y97026.d DROLVI3y3745.M Mon Oct 20 21:36:52 2025

12.7.5 12

Continuing Calibration Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: G3Y3746-CC3745
Lab FileID: 3Y97075.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\g3y3745\3y97075.d Vial: 3
Acq On : 18 Oct 2025 3:13 am Operator: claudiab
Sample : cc3745-20 Inst : GC3Y3Z
Misc : op68028,g3y3746,5.0,,,10,1 Multiplr: 1.00
IntFile : autoint1.e

Method : C:\msdchem\1\methods\DROLVI3y3745.M (ChemStation Integrator)
Title : GCTPHS
Last Update : Mon Oct 20 20:54:45 2025
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 H	TPH-DRO	34.400	38.762 E6	-12.7	119	0.00	2.00- 5.20
2 H	TPH-DRO (C10-C44)		----------NA----------				
3 H	TPH-ORO (>C28-C40)		----------NA----------				
4 H	TPH-DRO (C10-C20)		----------NA----------				
5 H	TPH-ORO (C20-C34)		----------NA----------				
6 S	o-TERPHENYL	45.097	53.674 E6	-19.0	123	-0.01	3.87- 3.93
7 S	5a-ANDROSTANE	39.656	47.622 E6	-20.1#	130	-0.01	4.08- 4.14

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3y97025.d DROLVI3y3745.M Mon Oct 20 21:45:44 2025

12.7.6 12

Initial Calibration Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: G3Z3740-ICC3740
Lab FileID: 3Z96919.D

Response Factor Report GC3Y3Z

Method : C:\MSDCHEM\1\METHODS\DROLVI3Z3740.M (ChemStation Integrator)
Title : GCTPHS
Last Update : Tue Oct 14 05:45:41 2025
Response via : Initial Calibration

Calibration Files
1 =3z96914.D 2 =3z96915.D 4 =3z96916.D 10 =3z96917.D
20 =3z96918.D 40 =3z96919.D 100 =3z96920.D 200 =3z96921.D
400 =3z96922.D 2000=3z96034.D = =

Compound

	1	2	4	10	20	40	100	200	400	2000	Avg	%RSD
1) TPH-DRO	4.873	3.869	3.593	3.577	3.664	3.509	3.564	3.682	3.887		3.802 E7	11.11
2) TPH-DRO (C10-C44)	4.873	3.869	3.593	3.577	3.664	3.509	3.564	3.682	3.887		3.802 E7	11.11
3) TPH-ORO (>C28-C40)	4.873	3.869	3.593	3.577	3.664	3.509	3.564	3.682	3.887		3.802 E7	11.11
4) TPH-DRO (C10-C20)	4.873	3.869	3.593	3.577	3.664	3.509	3.564	3.682	3.887		3.802 E7	11.11
5) TPH-ORO (C20-C34)	4.873	3.869	3.593	3.577	3.664	3.509	3.564	3.682	3.887		3.802 E7	11.11
6) o-TERPHENYL	5.801	4.500	5.137	5.420	4.996	5.326	5.304	5.423			5.238 E7	7.25
7) 5a-ANDROSTANE	6.077	4.421	4.634	4.960	5.044	5.002	5.170	5.401			5.089 E7	9.85

(#) = Out of Range ### Number of calibration levels exceeded format ###

DROLVI3Z3740.M Tue Oct 14 05:48:30 2025

12.7.7 12

Initial Calibration Verification

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: G3Z3740-ICV3740
Lab FileID: 3Z96923.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\G3Z3740\3z96923.D Vial: 150
Acq On : 14 Oct 2025 12:41 am Operator: rebeccak
Sample : icv3740-40 Inst : GC3Y3Z
Misc : op68028,g3z3740,5.0,,,10,1 Multiplr: 1.00
IntFile : autoint1.e

Method : C:\MSDCHEM\1\METHODS\DROLVI3Z3740.M (ChemStation Integrator)
Title : GCTPHS
Last Update : Tue Oct 14 05:45:41 2025
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 H	TPH-DRO	38.019	39.525 E6	-4.0	113	0.00	1.98- 5.22
2 H	TPH-DRO (C10-C44)		----------NA----------				
3 H	TPH-ORO (>C28-C40)		----------NA----------				
4 H	TPH-DRO (C10-C20)		----------NA----------				
5 H	TPH-ORO (C20-C34)		----------NA----------				
6 S	o-TERPHENYL		----------NA----------				
7 S	5a-ANDROSTANE		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3z96919.D DROLVI3Z3740.M Tue Oct 14 05:46:37 2025

12.7.8 12

Continuing Calibration Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY
Sample: G3Z3747-CC3740
Lab FileID: 3Z97167.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\laylanie\G3Z3747\3z97167.D Vial: 4
Acq On : 20 Oct 2025 1:25 am Operator: rebeccak
Sample : cc3740-40 Inst : GC3Y3Z
Misc : op68245,g3z3747,5.0,,,10,1 Multiplr: 1.00
IntFile : autoint1.e

Method : C:\msdchem\1\dat...7\DROLVI3Z3740.M (ChemStation Integrator)
Title : GCTPHS
Last Update : Mon Oct 20 11:32:14 2025
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 H	TPH-DRO	38.019	39.843 E6	-4.8	114	0.00	1.98- 5.22
2 H	TPH-DRO (C10-C44)		----------NA----------				
3 H	TPH-ORO (>C28-C40)		----------NA----------				
4 H	TPH-DRO (C10-C20)		----------NA----------				
5 H	TPH-ORO (C20-C34)		----------NA----------				
6 S	o-TERPHENYL	52.383	61.724 E6	-17.8	116	0.00	3.84- 3.90
7 S	5a-ANDROSTANE	50.887	52.863 E6	-3.9	106	0.00	4.04- 4.10

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3z97020.D DROLVI3Z3740.M Tue Oct 21 08:45:34 2025

12.7.9 12

Continuing Calibration Summary

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: G3Z3747-CC3740
Lab FileID: 3Z97175.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\laylanie\G3Z3747\3z97175.D Vial: 3
Acq On : 20 Oct 2025 4:05 am Operator: rebeccak
Sample : cc3740-20 Inst : GC3Y3Z
Misc : op68149,g3z3747,55.0,,,2,1 Multiplr: 1.00
IntFile : autoint1.e

Method : C:\msdchem\1\dat...7\DROLVI3Z3740.M (ChemStation Integrator)
Title : GCTPHS
Last Update : Mon Oct 20 11:32:14 2025
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 H	TPH-DRO	38.019	40.300 E6	-6.0	110	0.00	1.98- 5.22
2 H	TPH-DRO (C10-C44)		----------NA----------				
3 H	TPH-ORO (>C28-C40)		----------NA----------				
4 H	TPH-DRO (C10-C20)		----------NA----------				
5 H	TPH-ORO (C20-C34)		----------NA----------				
6 S	o-TERPHENYL	52.383	61.157 E6	-16.7	122	0.00	3.84- 3.90
7 S	5a-ANDROSTANE	50.887	52.495 E6	-3.2	104	0.00	4.04- 4.10

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3z96918.D DROLVI3Z3740.M Tue Oct 21 08:53:58 2025

12.7.10 12

Run Sequence Report

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Run ID: G3Y3745 **Method:** SW846 8015D **Instrument ID:** GC3Y

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
G3Y3745-RT	3Y97020.D	10/17/25 08:38	n/a	Retention Time Marker
G3Y3745-IC3745	3Y97022.D	10/17/25 09:41	n/a	Initial cal 2
G3Y3745-IC3745	3Y97023.D	10/17/25 10:01	n/a	Initial cal 4
G3Y3745-IC3745	3Y97024.D	10/17/25 10:20	n/a	Initial cal 10
G3Y3745-IC3745	3Y97025.D	10/17/25 10:40	n/a	Initial cal 20
G3Y3745-ICC3745	3Y97026.D	10/17/25 11:00	n/a	Initial cal 40
G3Y3745-IC3745	3Y97027.D	10/17/25 11:20	n/a	Initial cal 100
G3Y3745-IC3745	3Y97028.D	10/17/25 11:40	n/a	Initial cal 200
G3Y3745-IC3745	3Y97029.D	10/17/25 12:00	n/a	Initial cal 400
G3Y3745-IC3745	3Y97037.D	10/17/25 14:39	n/a	Initial cal 1
G3Y3745-ICV3745	3Y97039.D	10/17/25 15:19	n/a	Initial cal verification 40

Run Sequence Report

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Run ID: G3Y3746 **Method:** SW846 8015D **Instrument ID:** GC3Y

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
G3Y3746-CC3745	3Y97042.D	10/17/25 16:19	n/a	Continuing cal 40
G3Y3746-RT	3Y97044.D	10/17/25 16:58	n/a	Retention Time Marker
OP68149-MB1	3Y97045.D	10/17/25 17:18	OP68149	Method Blank
OP68149-BS1	3Y97046.D	10/17/25 17:38	OP68149	Blank Spike
OP68149-BSD	3Y97047.D	10/17/25 17:58	OP68149	Blank Spike Duplicate
OP68149-MB2	3Y97048.D	10/17/25 18:17	OP68149	Method Blank
OP68149-BS2	3Y97049.D	10/17/25 18:37	OP68149	Blank Spike
OP68149-BSD2	3Y97050.D	10/17/25 18:57	OP68149	Blank Spike Duplicate
OP68121-MB1	3Y97051.D	10/17/25 19:17	OP68121	Method Blank
G3Y3746-CC3745	3Y97053.D	10/17/25 19:56	n/a	Continuing cal 20
OP68121-BS1	3Y97055.D	10/17/25 20:36	OP68121	Blank Spike
JE20904-1	3Y97056.D	10/17/25 20:56	OP68121	(used for QC only; not part of job JE20825)
OP68121-MS	3Y97057.D	10/17/25 21:16	OP68121	Matrix Spike
OP68121-MSD	3Y97058.D	10/17/25 21:35	OP68121	Matrix Spike Duplicate
ZZZZZZ	3Y97059.D	10/17/25 21:55	OP68121	(unrelated sample)
ZZZZZZ	3Y97061.D	10/17/25 22:35	OP68121	(unrelated sample)
G3Y3746-CC3745	3Y97064.D	10/17/25 23:34	n/a	Continuing cal 40
JE20825-1	3Y97066.D	10/18/25 00:14	OP68149	MW-EPA-07-10092025
JE20825-3	3Y97068.D	10/18/25 00:54	OP68149	DUP-10092025
JE20825-5	3Y97069.D	10/18/25 01:14	OP68149	MW-SS-08-08-10092025
JE20825-1A	3Y97070.D	10/18/25 01:34	OP68149	MW-EPA-07-10092025
JE20825-3A	3Y97072.D	10/18/25 02:13	OP68149	DUP-10092025
JE20825-5A	3Y97073.D	10/18/25 02:33	OP68149	MW-SS-08-08-10092025
G3Y3746-CC3745	3Y97075.D	10/18/25 03:13	n/a	Continuing cal 20

Run Sequence Report

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Run ID: G3Z3740	**Method:** SW846 8015D	**Instrument ID:** GC3Z

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
G3Z3740-RT	3Z96912.D	10/13/25 21:01	n/a	Retention Time Marker
G3Z3740-IC3740	3Z96914.D	10/13/25 21:41	n/a	Initial cal 1
G3Z3740-IC3740	3Z96915.D	10/13/25 22:01	n/a	Initial cal 2
G3Z3740-IC3740	3Z96916.D	10/13/25 22:21	n/a	Initial cal 4
G3Z3740-IC3740	3Z96917.D	10/13/25 22:41	n/a	Initial cal 10
G3Z3740-IC3740	3Z96918.D	10/13/25 23:01	n/a	Initial cal 20
G3Z3740-ICC3740	3Z96919.D	10/13/25 23:21	n/a	Initial cal 40
G3Z3740-IC3740	3Z96920.D	10/13/25 23:41	n/a	Initial cal 100
G3Z3740-IC3740	3Z96921.D	10/14/25 00:01	n/a	Initial cal 200
G3Z3740-IC3740	3Z96922.D	10/14/25 00:21	n/a	Initial cal 400
G3Z3740-ICV3740	3Z96923.D	10/14/25 00:41	n/a	Initial cal verification 40

Run Sequence Report

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Run ID: G3Z3747 **Method:** SW846 8015D **Instrument ID:** GC3Z

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
G3Z3747-CC3740	3Z97080.D	10/18/25 13:01	n/a	Continuing cal 20
G3Z3747-RT	3Z97082.D	10/18/25 14:47	n/a	Retention Time Marker
OP68275-MB1	3Z97083.D	10/18/25 15:06	OP68275	Method Blank
OP68275-BS1	3Z97084.D	10/18/25 15:26	OP68275	Blank Spike
OP68275-MS	3Z97085.D	10/18/25 15:46	OP68275	Matrix Spike
OP68275-MSD	3Z97086.D	10/18/25 16:05	OP68275	Matrix Spike Duplicate
JE20800-3	3Z97087.D	10/18/25 16:25	OP68275	(used for QC only; not part of job JE20825)
ZZZZZZ	3Z97088.D	10/18/25 16:45	OP68275	(unrelated sample)
ZZZZZZ	3Z97089.D	10/18/25 17:05	OP68275	(unrelated sample)
G3Z3747-CC3740	3Z97091.D	10/18/25 17:45	n/a	Continuing cal 40
ZZZZZZ	3Z97093.D	10/18/25 18:24	OP68275	(unrelated sample)
ZZZZZZ	3Z97094.D	10/18/25 18:44	OP68275	(unrelated sample)
ZZZZZZ	3Z97095.D	10/18/25 19:04	OP68275	(unrelated sample)
ZZZZZZ	3Z97096.D	10/18/25 19:23	OP68275	(unrelated sample)
OP68183-MB1	3Z97099.D	10/18/25 20:22	OP68183	Method Blank
OP68183-BS1	3Z97100.D	10/18/25 20:42	OP68183	Blank Spike
G3Z3747-CC3740	3Z97102.D	10/18/25 21:21	n/a	Continuing cal 20
OP68183-MS	3Z97104.D	10/18/25 22:15	OP68183	Matrix Spike
OP68183-MSD	3Z97105.D	10/18/25 22:35	OP68183	Matrix Spike Duplicate
JE21108-1	3Z97106.D	10/18/25 22:54	OP68183	(used for QC only; not part of job JE20825)
ZZZZZZ	3Z97107.D	10/18/25 23:14	OP68183	(unrelated sample)
ZZZZZZ	3Z97109.D	10/18/25 23:53	OP68183	(unrelated sample)
ZZZZZZ	3Z97110.D	10/19/25 00:13	OP68183	(unrelated sample)
ZZZZZZ	3Z97111.D	10/19/25 00:32	OP68183	(unrelated sample)
G3Z3747-CC3740	3Z97113.D	10/19/25 01:11	n/a	Continuing cal 40
ZZZZZZ	3Z97115.D	10/19/25 01:51	OP68183	(unrelated sample)
ZZZZZZ	3Z97116.D	10/19/25 02:10	OP68183	(unrelated sample)
ZZZZZZ	3Z97117.D	10/19/25 02:30	OP68183	(unrelated sample)
ZZZZZZ	3Z97118.D	10/19/25 02:50	OP68183	(unrelated sample)
ZZZZZZ	3Z97119.D	10/19/25 03:09	OP68183	(unrelated sample)
ZZZZZZ	3Z97120.D	10/19/25 03:29	OP68183	(unrelated sample)
ZZZZZZ	3Z97121.D	10/19/25 03:49	OP68183	(unrelated sample)
ZZZZZZ	3Z97122.D	10/19/25 04:08	OP68183	(unrelated sample)
G3Z3747-CC3740	3Z97124.D	10/19/25 04:48	n/a	Continuing cal 20
ZZZZZZ	3Z97126.D	10/19/25 05:27	OP68183	(unrelated sample)
ZZZZZZ	3Z97127.D	10/19/25 05:47	OP68183	(unrelated sample)
ZZZZZZ	3Z97128.D	10/19/25 06:06	OP68183	(unrelated sample)
G3Z3747-CC3740	3Z97138.D	10/19/25 16:15	n/a	Continuing cal 20
G3Z3747-RT	3Z97141.D	10/19/25 16:55	n/a	Retention Time Marker
ZZZZZZ	3Z97143.D	10/19/25 17:15	OP68245	(unrelated sample)
ZZZZZZ	3Z97144.D	10/19/25 17:35	OP68245	(unrelated sample)
ZZZZZZ	3Z97145.D	10/19/25 17:55	OP68245	(unrelated sample)
ZZZZZZ	3Z97146.D	10/19/25 18:15	OP68245	(unrelated sample)
ZZZZZZ	3Z97147.D	10/19/25 18:35	OP68245	(unrelated sample)
ZZZZZZ	3Z97148.D	10/19/25 18:55	OP68245	(unrelated sample)
ZZZZZZ	3Z97149.D	10/19/25 19:15	OP68245	(unrelated sample)

Run Sequence Report

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Run ID: G3Z3747	**Method:** SW846 8015D	**Instrument ID:** GC3Z

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
G3Z3747-CC3740	3Z97151.D	10/19/25 19:55	n/a	Continuing cal 20
ZZZZZZ	3Z97153.D	10/19/25 20:35	OP68245	(unrelated sample)
ZZZZZZ	3Z97154.D	10/19/25 20:54	OP68245	(unrelated sample)
G3Z3747-CC3740	3Z97156.D	10/19/25 21:34	n/a	Continuing cal 40
OP68245-MB1	3Z97161.D	10/19/25 23:26	OP68245	Method Blank
OP68245-BS1	3Z97162.D	10/19/25 23:46	OP68245	Blank Spike
OP68245-MS	3Z97163.D	10/20/25 00:06	OP68245	Matrix Spike
OP68245-MSD	3Z97164.D	10/20/25 00:26	OP68245	Matrix Spike Duplicate
JE21173-1	3Z97165.D	10/20/25 00:46	OP68245	(used for QC only; not part of job JE20825)
G3Z3747-CC3740	3Z97167.D	10/20/25 01:25	n/a	Continuing cal 40
OP68149-MS	3Z97169.D	10/20/25 02:05	OP68149	Matrix Spike
OP68149-MSD	3Z97170.D	10/20/25 02:25	OP68149	Matrix Spike Duplicate
OP68149-MS2	3Z97173.D	10/20/25 03:25	OP68149	Matrix Spike
G3Z3747-CC3740	3Z97175.D	10/20/25 04:05	n/a	Continuing cal 20

GC/LC Semi-volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97066.d
Signal(s) : FID1A.ch
Acq On : 18 Oct 2025 12:14 am
Operator : claudiab
Sample : je20825-1
Misc : op68149,g3y3746,50.0,,,2,1
ALS Vial : 21 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 21:39:36 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Mon Oct 20 20:54:45 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
6) S o-TERPHENYL	3.907	123106142	2.730 PPM
Spiked Amount 50.000		Recovery =	5.46%
7) S 5a-ANDROSTANE	4.111	99425800	2.507 PPM
Spiked Amount 50.000		Recovery =	5.01%
Target Compounds			
1) H TPH-DRO	3.600	855046358	24.856 PPM

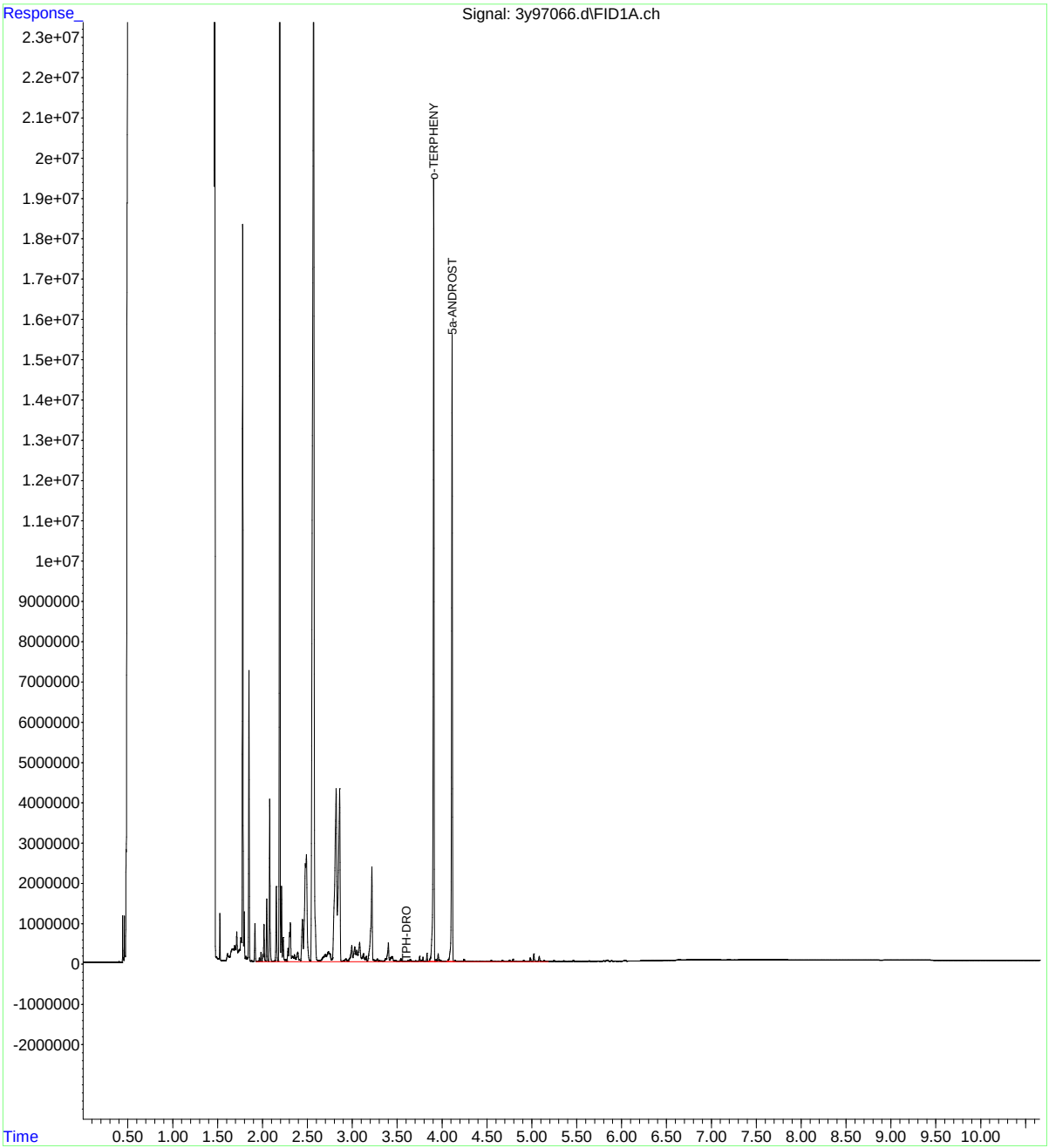
(f)=RT Delta > 1/2 Window (m)=manual int.

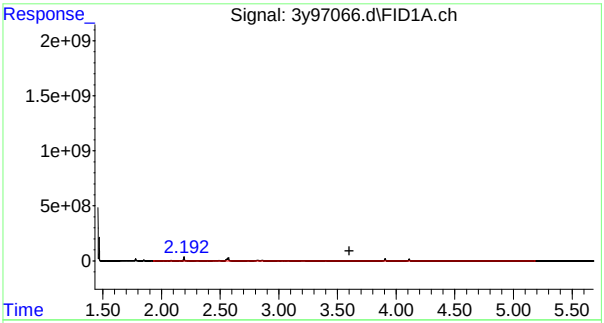
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97066.d
Signal(s) : FID1A.ch
Acq On : 18 Oct 2025 12:14 am
Operator : claudiab
Sample : je20825-1
Misc : op68149,g3y3746,50.0,,,2,1
ALS Vial : 21 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 21:39:36 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Mon Oct 20 20:54:45 2025
Response via : Initial Calibration
Integrator: ChemStation

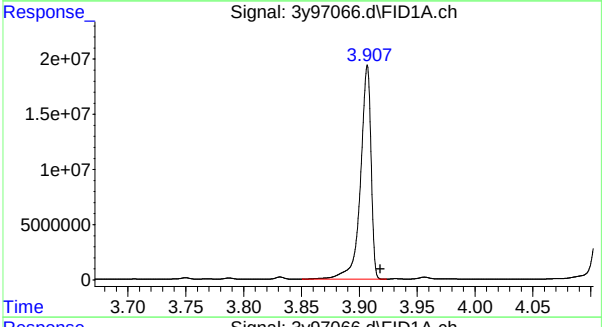
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





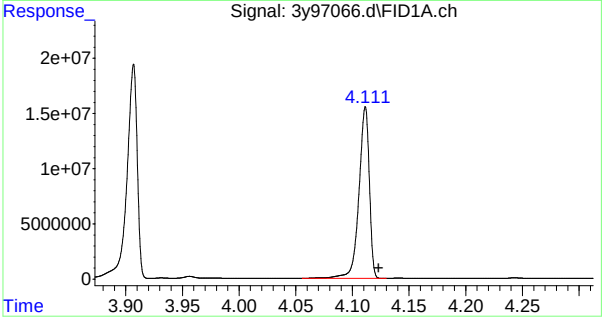
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 855046358
Conc: 24.86 PPM



#6 o-TERPHENYL

R.T.: 3.907 min
Delta R.T.: -0.011 min
Response: 123106142
Conc: 2.73 PPM



#7 5a-ANDROSTANE

R.T.: 4.111 min
Delta R.T.: -0.012 min
Response: 99425800
Conc: 2.51 PPM

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97070.d
Signal(s) : FID1A.ch
Acq On : 18 Oct 2025 1:34 am
Operator : claudiab
Sample : je20825-1a
Misc : op68149,g3y3746,48.5,,,2,1
ALS Vial : 25 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 21:42:44 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Mon Oct 20 20:54:45 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
6) S o-TERPHENYL	3.907	115881382	2.570 PPM
Spiked Amount 50.000		Recovery =	5.14%
7) S 5a-ANDROSTANE	4.112	93937416	2.369 PPM
Spiked Amount 50.000		Recovery =	4.74%
Target Compounds			
1) H TPH-DRO	3.600	793245411	23.060 PPM

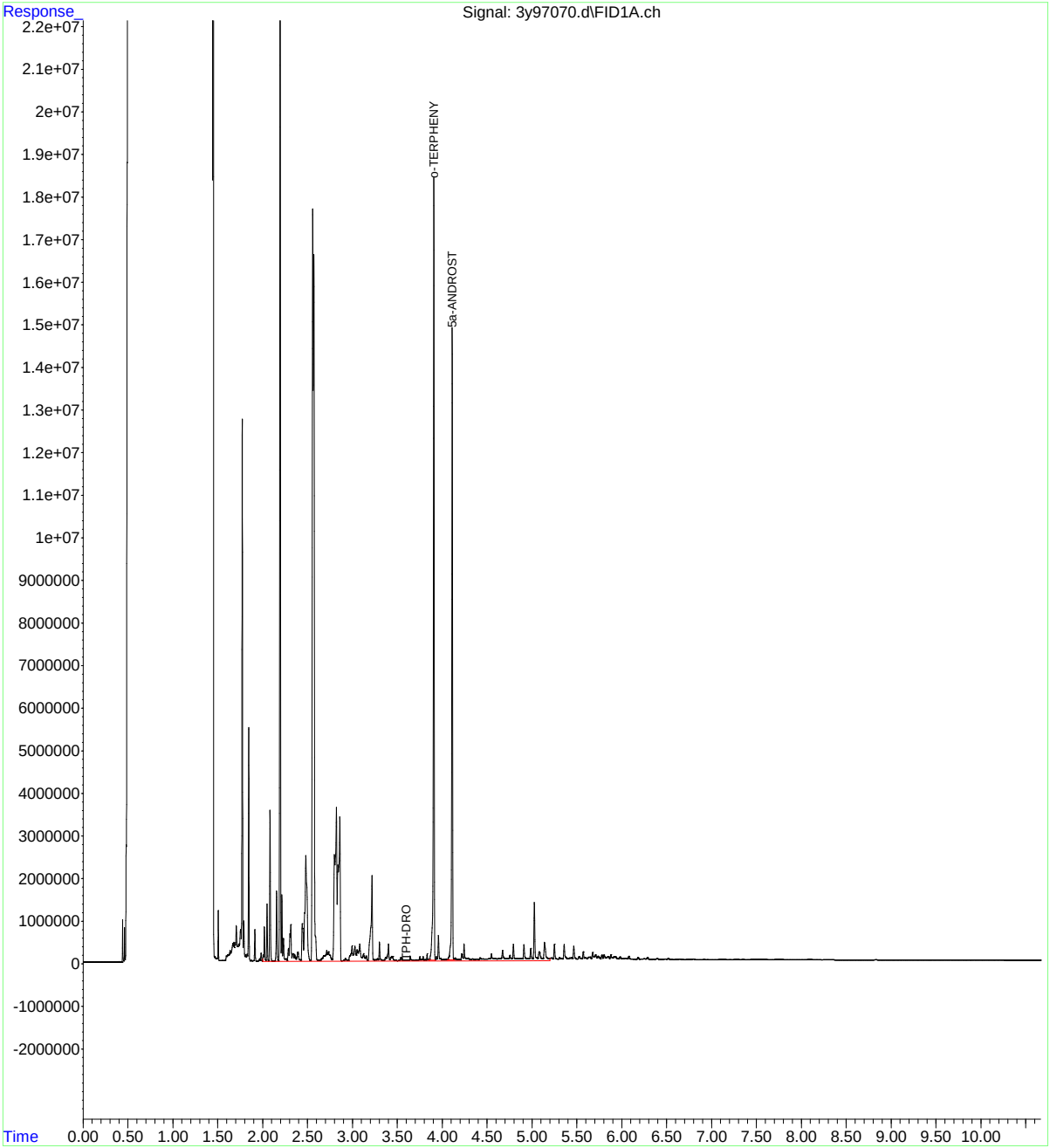
(f)=RT Delta > 1/2 Window (m)=manual int.

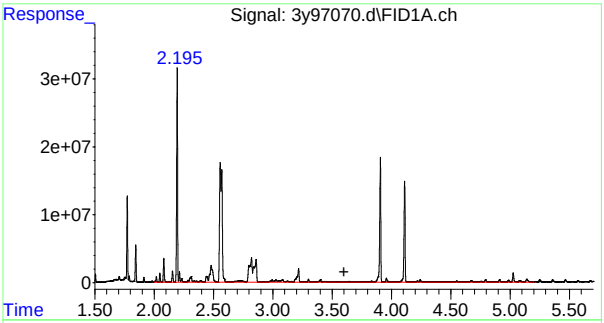
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97070.d
Signal(s) : FID1A.ch
Acq On : 18 Oct 2025 1:34 am
Operator : claudiab
Sample : je20825-1a
Misc : op68149,g3y3746,48.5,,,2,1
ALS Vial : 25 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 21:42:44 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Mon Oct 20 20:54:45 2025
Response via : Initial Calibration
Integrator: ChemStation

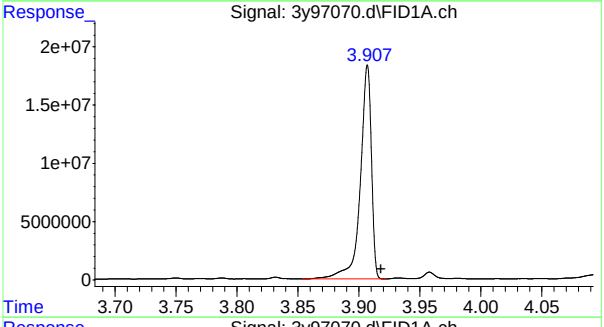
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





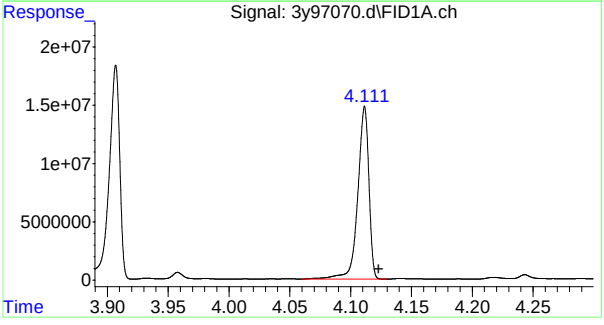
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 793245411
Conc: 23.06 PPM



#6 o-TERPHENYL

R.T.: 3.907 min
Delta R.T.: -0.011 min
Response: 115881382
Conc: 2.57 PPM



#7 5a-ANDROSTANE

R.T.: 4.112 min
Delta R.T.: -0.011 min
Response: 93937416
Conc: 2.37 PPM

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97068.d
Signal(s) : FID1A.ch
Acq On : 18 Oct 2025 12:54 am
Operator : claudiab
Sample : je20825-3
Misc : op68149,g3y3746,45.6,,,2,1
ALS Vial : 23 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 21:40:53 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Mon Oct 20 20:54:45 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
6) S o-TERPHENYL	3.906	120233242	2.666 PPM
Spiked Amount 50.000		Recovery =	5.33%
7) S 5a-ANDROSTANE	4.110	99044334	2.498 PPM
Spiked Amount 50.000		Recovery =	5.00%
Target Compounds			
1) H TPH-DRO	3.600	1067068378	31.020 PPM

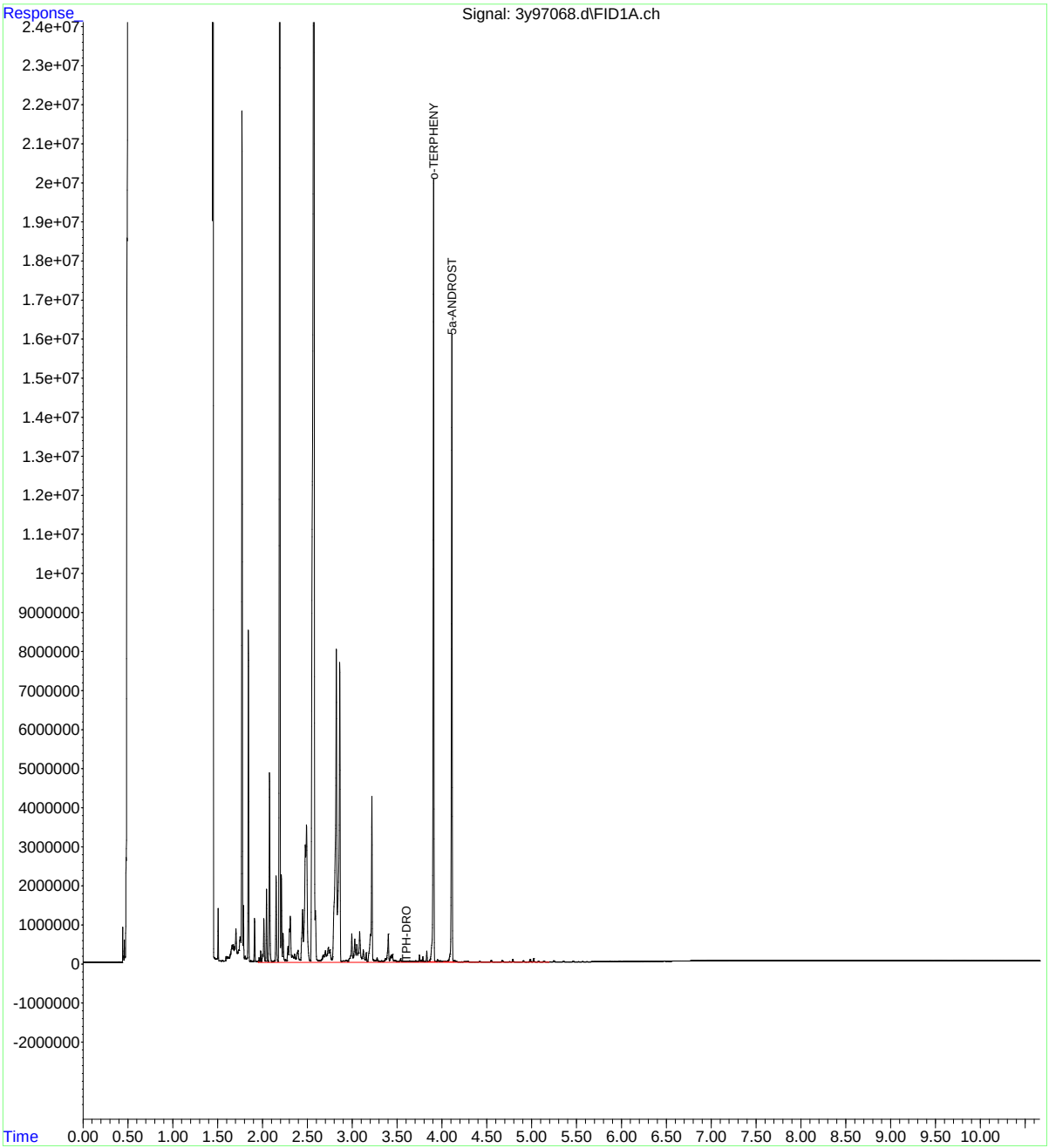
(f)=RT Delta > 1/2 Window (m)=manual int.

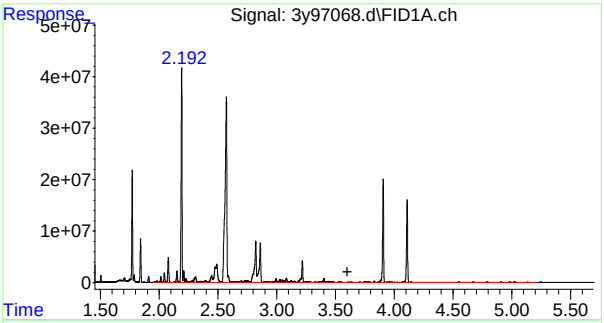
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97068.d
Signal(s) : FID1A.ch
Acq On : 18 Oct 2025 12:54 am
Operator : claudiab
Sample : je20825-3
Misc : op68149,g3y3746,45.6,,,2,1
ALS Vial : 23 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 21:40:53 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Mon Oct 20 20:54:45 2025
Response via : Initial Calibration
Integrator: ChemStation

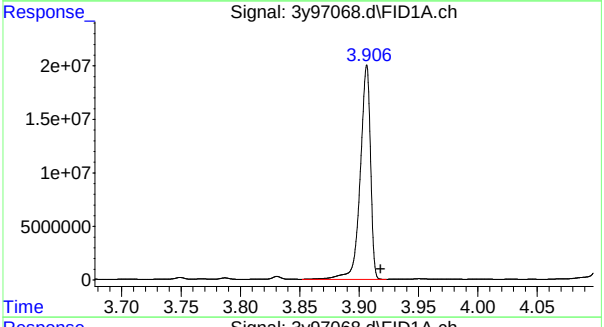
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





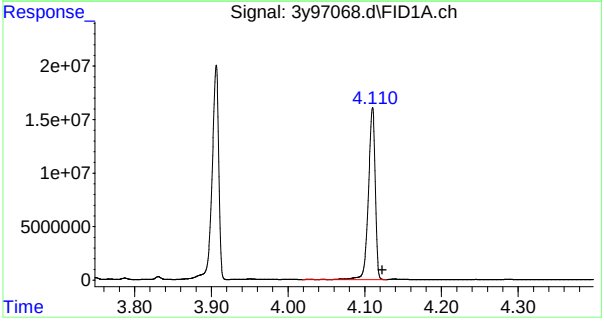
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 1067068378
Conc: 31.02 PPM



#6 o-TERPHENYL

R.T.: 3.906 min
Delta R.T.: -0.012 min
Response: 120233242
Conc: 2.67 PPM



#7 5a-ANDROSTANE

R.T.: 4.110 min
Delta R.T.: -0.013 min
Response: 99044334
Conc: 2.50 PPM

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97072.d
Signal(s) : FID1A.ch
Acq On : 18 Oct 2025 2:13 am
Operator : claudiab
Sample : je20825-3a
Misc : op68149,g3y3746,50.4,,,2,1
ALS Vial : 27 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 21:43:59 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Mon Oct 20 20:54:45 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
6) S o-TERPHENYL	3.908	122650277	2.720 PPM
Spiked Amount 50.000		Recovery =	5.44%
7) S 5a-ANDROSTANE	4.111	95369650	2.405 PPM
Spiked Amount 50.000		Recovery =	4.81%
Target Compounds			
1) H TPH-DRO	3.600	1217893900	35.404 PPM

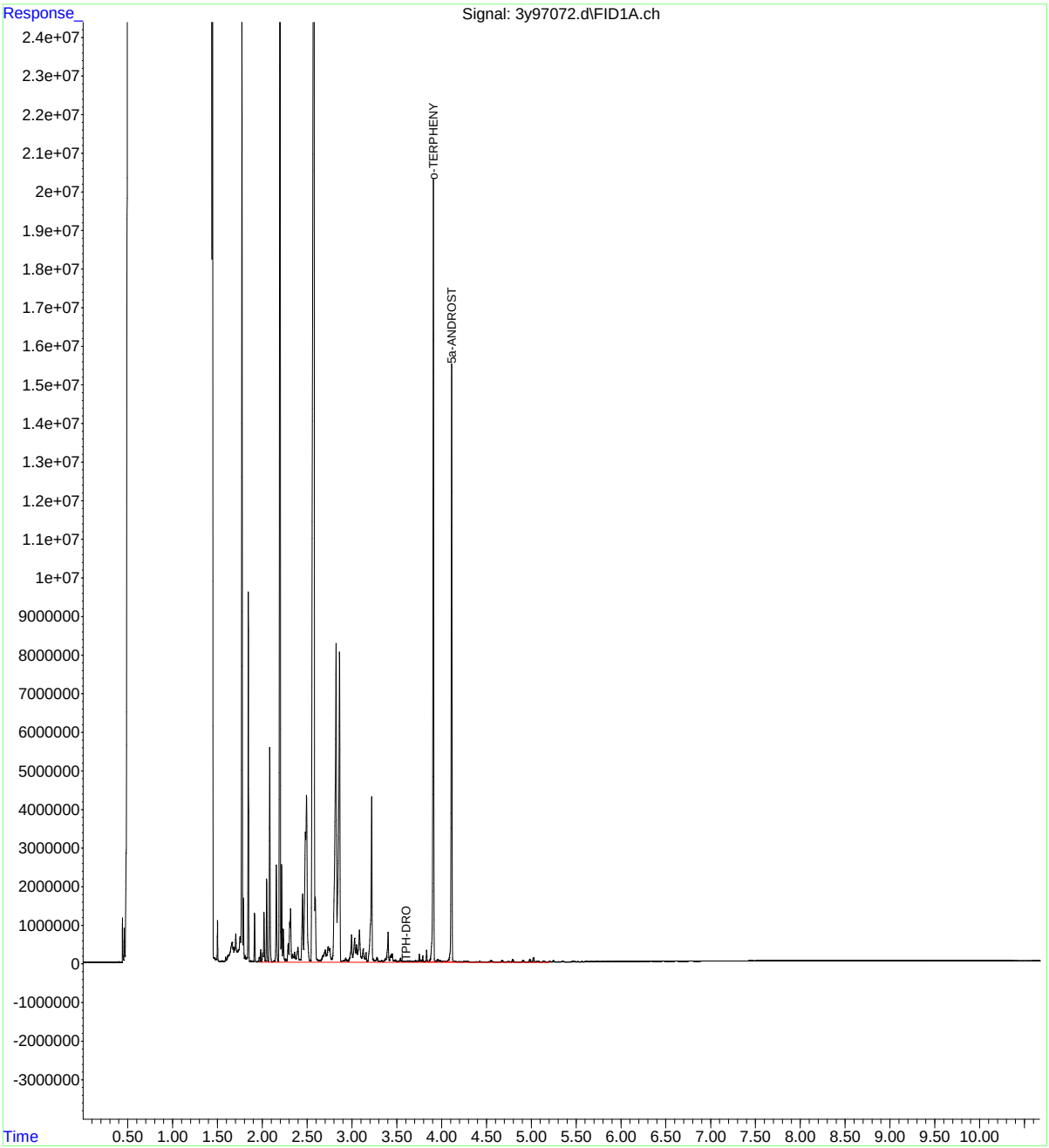
(f)=RT Delta > 1/2 Window (m)=manual int.

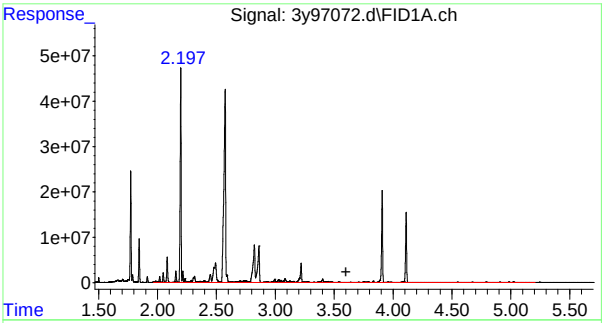
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97072.d
Signal(s) : FID1A.ch
Acq On : 18 Oct 2025 2:13 am
Operator : claudiab
Sample : je20825-3a
Misc : op68149,g3y3746,50.4,,,2,1
ALS Vial : 27 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 21:43:59 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Mon Oct 20 20:54:45 2025
Response via : Initial Calibration
Integrator: ChemStation

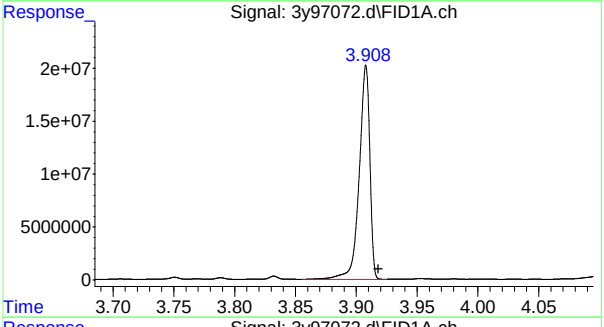
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





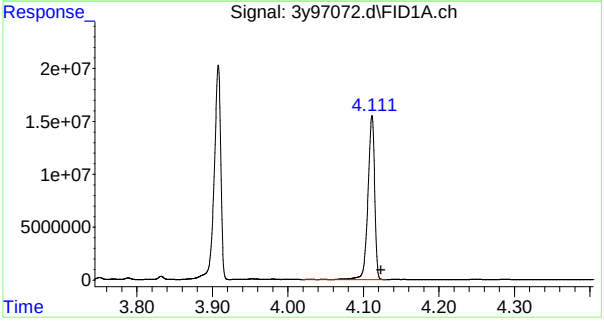
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 1217893900
Conc: 35.40 PPM



#6 o-TERPHENYL

R.T.: 3.908 min
Delta R.T.: -0.010 min
Response: 122650277
Conc: 2.72 PPM



#7 5a-ANDROSTANE

R.T.: 4.111 min
Delta R.T.: -0.012 min
Response: 95369650
Conc: 2.40 PPM

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97069.d
Signal(s) : FID1A.ch
Acq On : 18 Oct 2025 1:14 am
Operator : claudiab
Sample : je20825-5
Misc : op68149,g3y3746,44.5,,,2,1
ALS Vial : 24 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 21:42:00 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Mon Oct 20 20:54:45 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
6) S o-TERPHENYL	3.906	115935997	2.571 PPM
Spiked Amount 50.000		Recovery =	5.14%
7) S 5a-ANDROSTANE	4.110	97258729	2.453 PPM
Spiked Amount 50.000		Recovery =	4.91%
Target Compounds			
1) H TPH-DRO	3.600	39820452	1.158 PPM

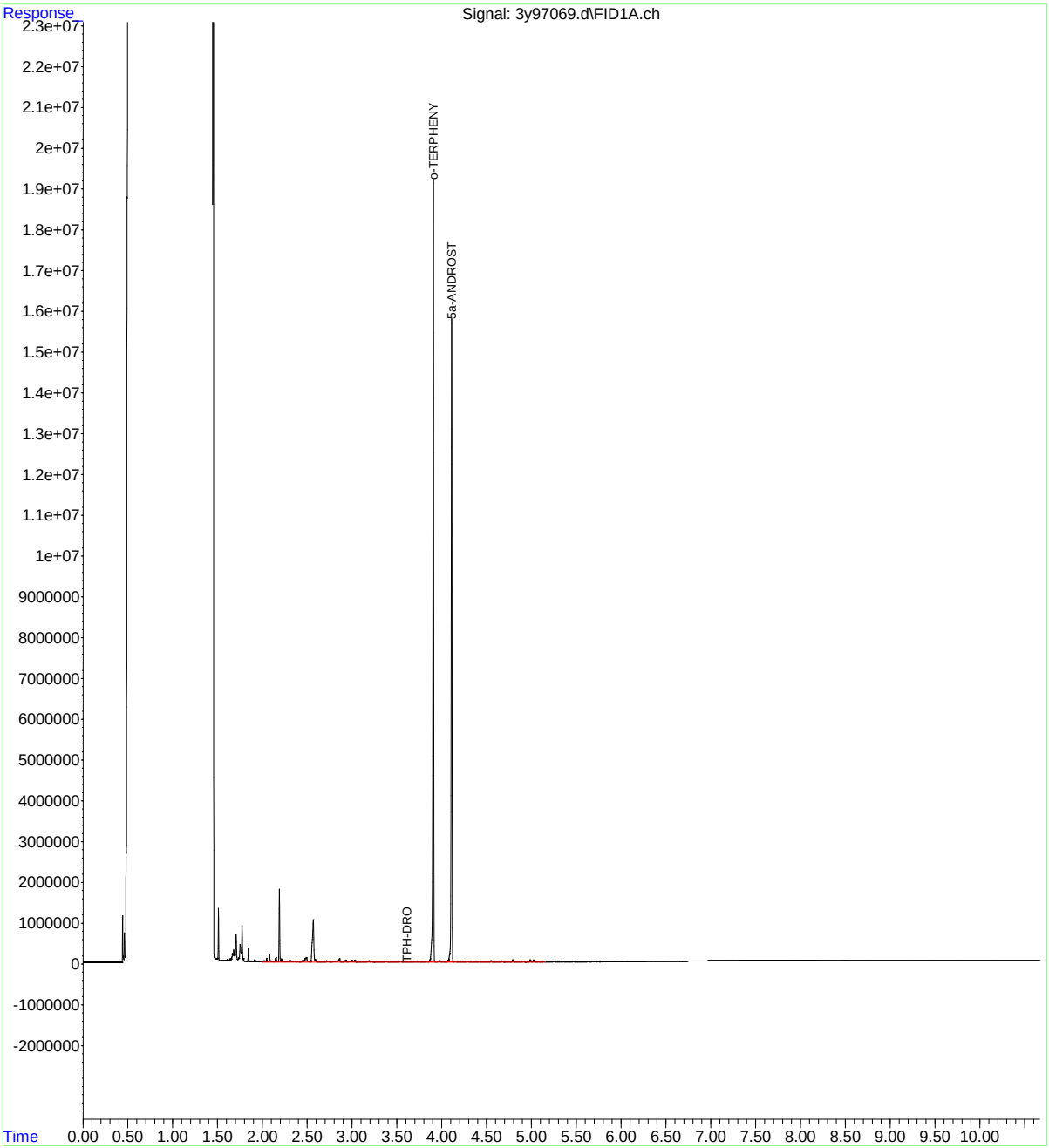
(f)=RT Delta > 1/2 Window (m)=manual int.

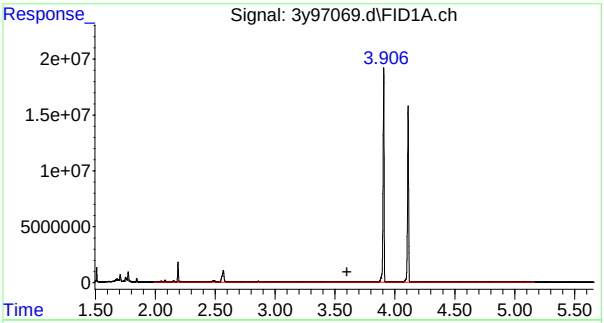
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97069.d
Signal(s) : FID1A.ch
Acq On : 18 Oct 2025 1:14 am
Operator : claudiab
Sample : je20825-5
Misc : op68149,g3y3746,44.5,,,2,1
ALS Vial : 24 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 21:42:00 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Mon Oct 20 20:54:45 2025
Response via : Initial Calibration
Integrator: ChemStation

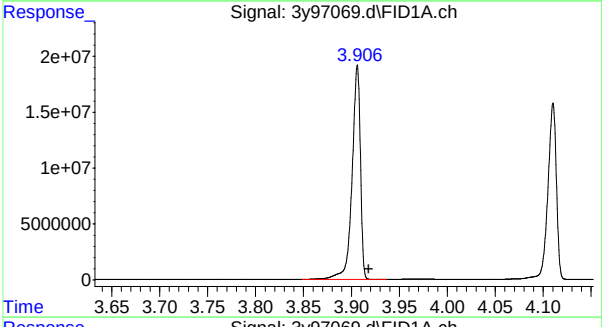
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





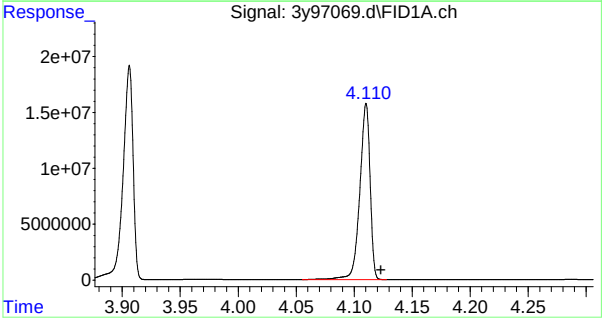
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 39820452
Conc: 1.16 PPM



#6 o-TERPHENYL

R.T.: 3.906 min
Delta R.T.: -0.012 min
Response: 115935997
Conc: 2.57 PPM



#7 5a-ANDROSTANE

R.T.: 4.110 min
Delta R.T.: -0.013 min
Response: 97258729
Conc: 2.45 PPM

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97073.d
Signal(s) : FID1A.ch
Acq On : 18 Oct 2025 2:33 am
Operator : claudiab
Sample : je20825-5a
Misc : op68149,g3y3746,47.3,,,2,1
ALS Vial : 28 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 21:44:34 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Mon Oct 20 20:54:45 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
6) S o-TERPHENYL	3.909	116326047	2.579 PPM
Spiked Amount 50.000		Recovery =	5.16%
7) S 5a-ANDROSTANE	4.113	94969127	2.395 PPM
Spiked Amount 50.000		Recovery =	4.79%
Target Compounds			
1) H TPH-DRO	3.600	58598054	1.703 PPM

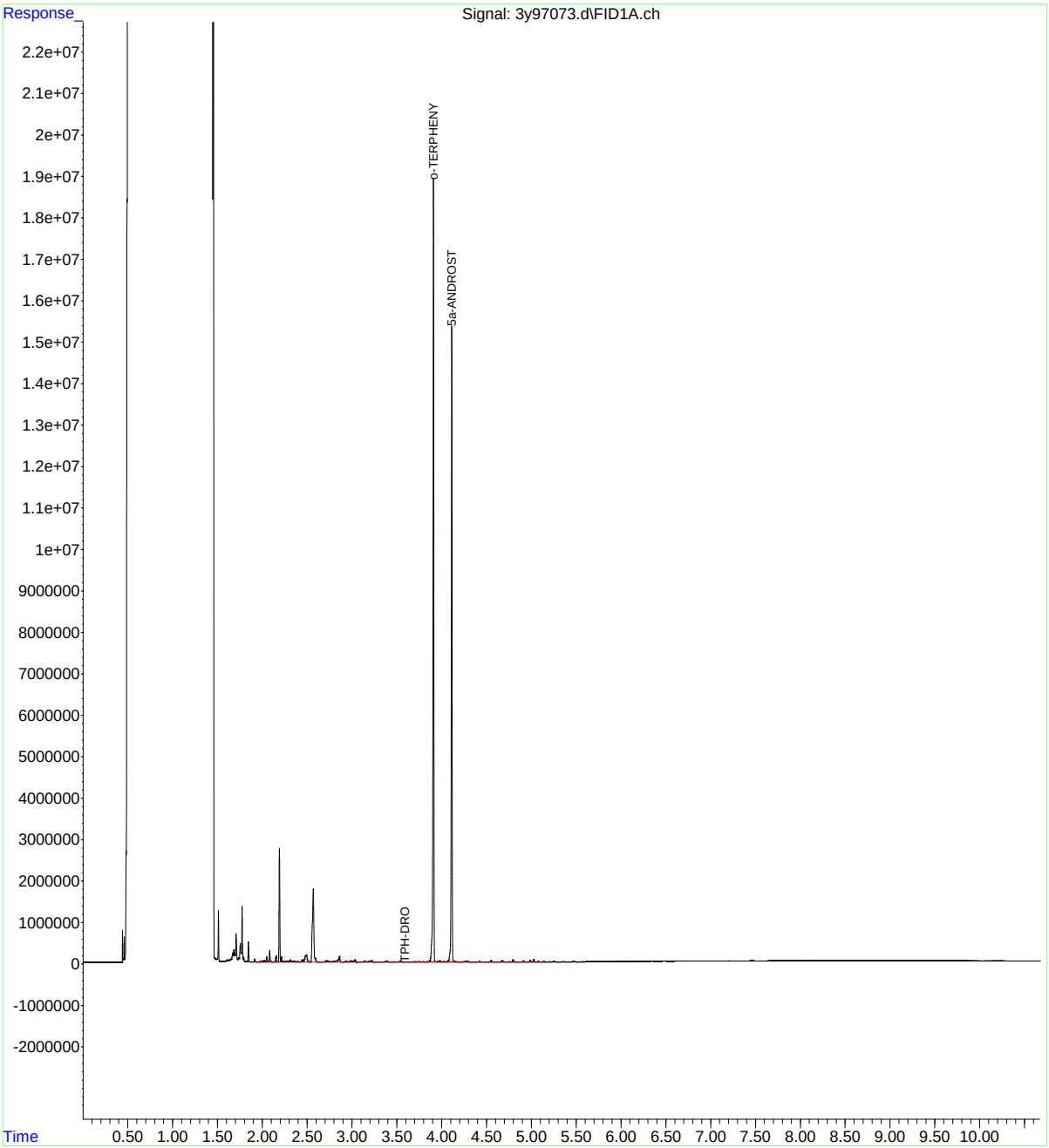
(f)=RT Delta > 1/2 Window (m)=manual int.

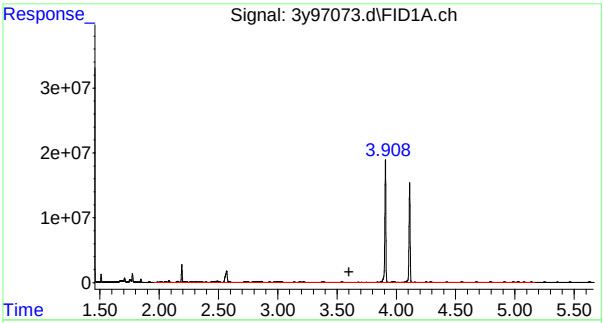
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97073.d
Signal(s) : FID1A.ch
Acq On : 18 Oct 2025 2:33 am
Operator : claudiab
Sample : je20825-5a
Misc : op68149,g3y3746,47.3,,,2,1
ALS Vial : 28 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 21:44:34 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Mon Oct 20 20:54:45 2025
Response via : Initial Calibration
Integrator: ChemStation

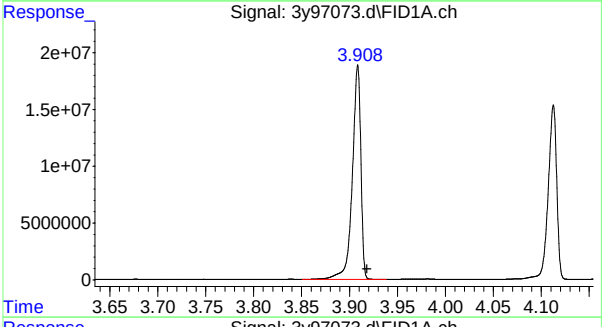
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





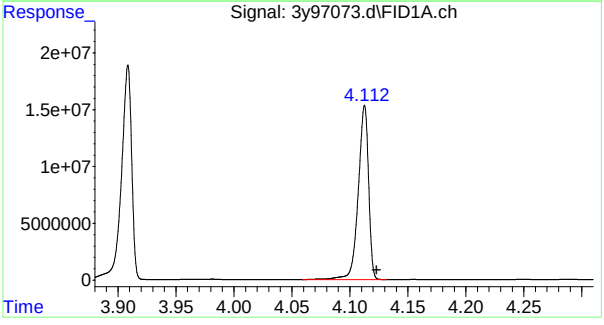
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 58598054
Conc: 1.70 PPM



#6 o-TERPHENYL

R.T.: 3.909 min
Delta R.T.: -0.009 min
Response: 116326047
Conc: 2.58 PPM



#7 5a-ANDROSTANE

R.T.: 4.113 min
Delta R.T.: -0.010 min
Response: 94969127
Conc: 2.39 PPM

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97045.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 5:18 pm
Operator : claudiab
Sample : op68149-mb1
Misc : op68149,g3y3746,49.8,,,2,1
ALS Vial : 6 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 21:23:23 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Mon Oct 20 20:54:45 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
6) S o-TERPHENYL	3.908	113416487	2.515 PPM
Spiked Amount 50.000		Recovery =	5.03%
7) S 5a-ANDROSTANE	4.111	99078053	2.498 PPM
Spiked Amount 50.000		Recovery =	5.00%
Target Compounds			

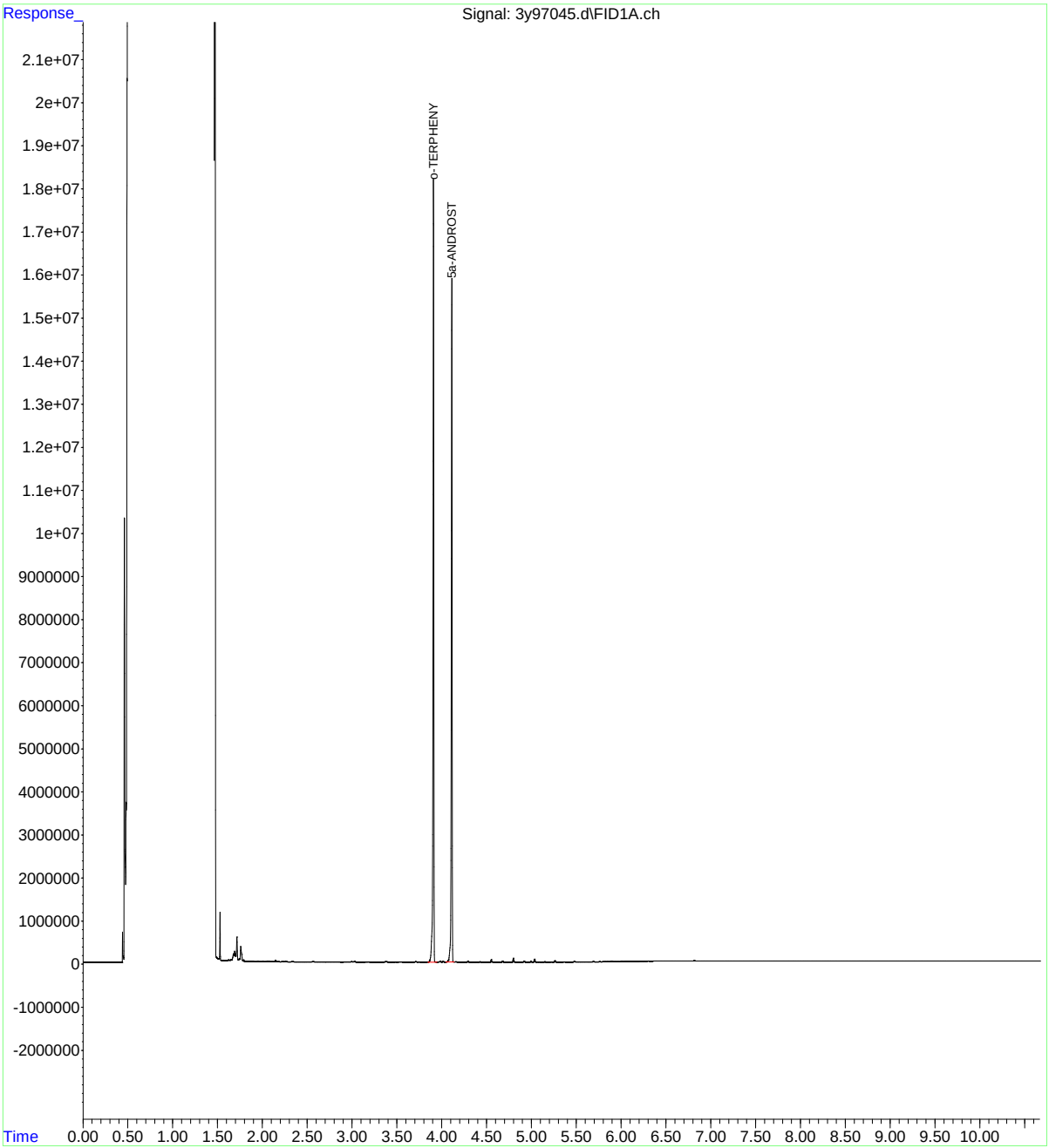
(f)=RT Delta > 1/2 Window (m)=manual int.

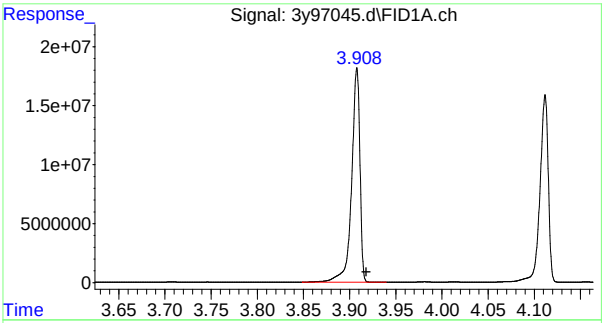
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97045.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 5:18 pm
Operator : claudiab
Sample : op68149-mb1
Misc : op68149,g3y3746,49.8,,,2,1
ALS Vial : 6 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 21:23:23 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Mon Oct 20 20:54:45 2025
Response via : Initial Calibration
Integrator: ChemStation

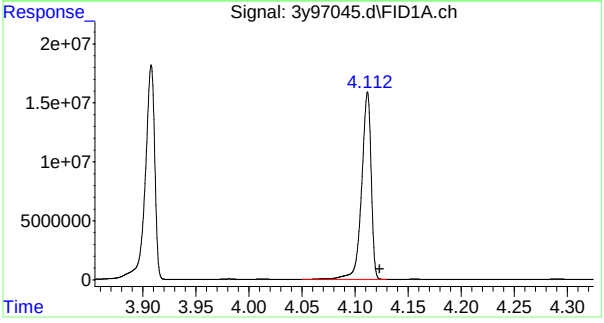
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





#6 o-TERPHENYL

R.T.: 3.908 min
Delta R.T.: -0.010 min
Response: 113416487
Conc: 2.51 PPM



#7 5a-ANDROSTANE

R.T.: 4.111 min
Delta R.T.: -0.012 min
Response: 99078053
Conc: 2.50 PPM

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97048.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 6:17 pm
Operator : claudiab
Sample : op68149-mb2
Misc : op68149,g3y3746,49.5,,,2,1
ALS Vial : 9 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 21:24:58 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Mon Oct 20 20:54:45 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
6) S o-TERPHENYL	3.907	97004437	2.151 PPM
Spiked Amount 50.000		Recovery =	4.30%
7) S 5a-ANDROSTANE	4.110	82921903	2.091 PPM
Spiked Amount 50.000		Recovery =	4.18%
Target Compounds			

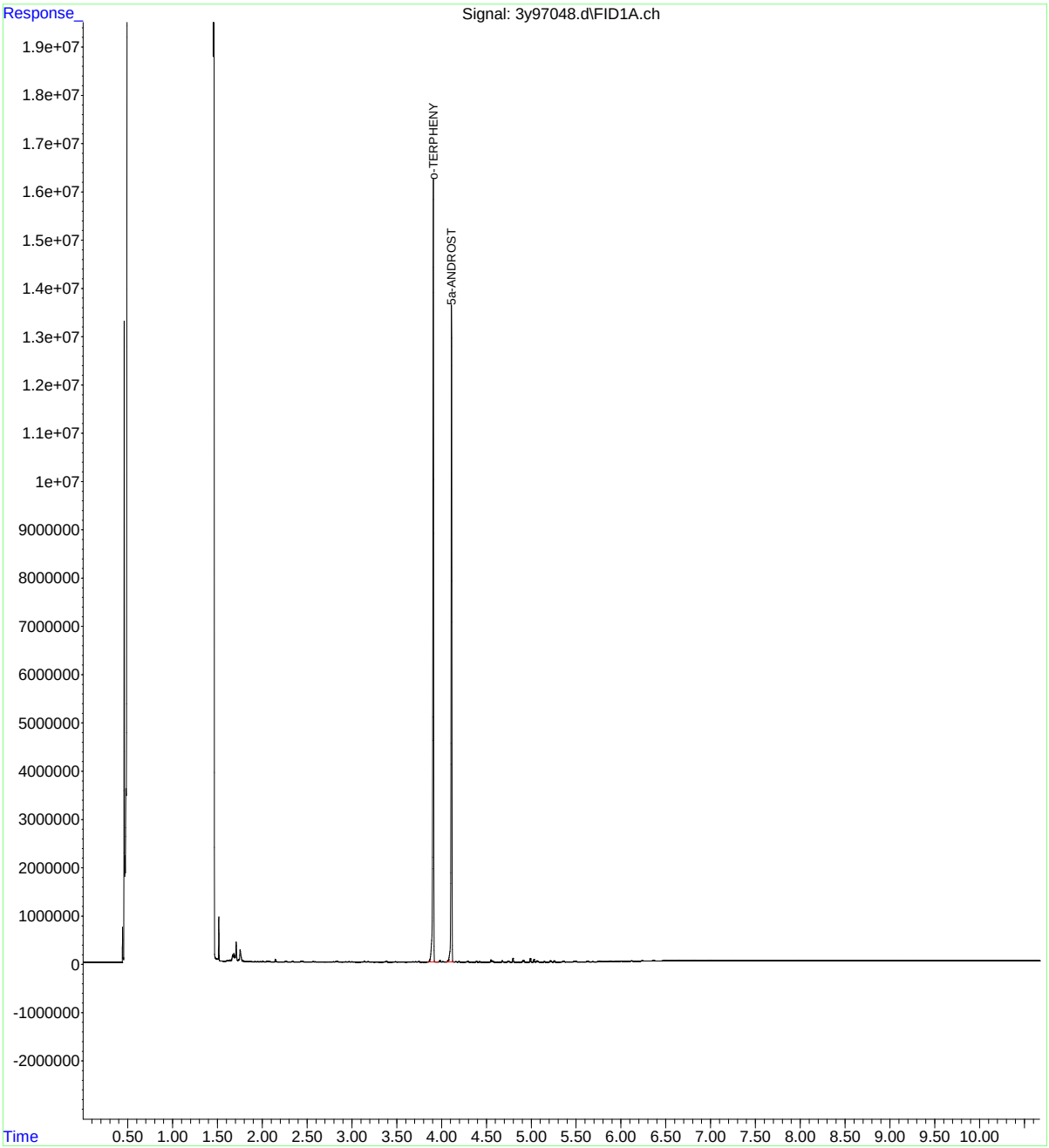
(f)=RT Delta > 1/2 Window (m)=manual int.

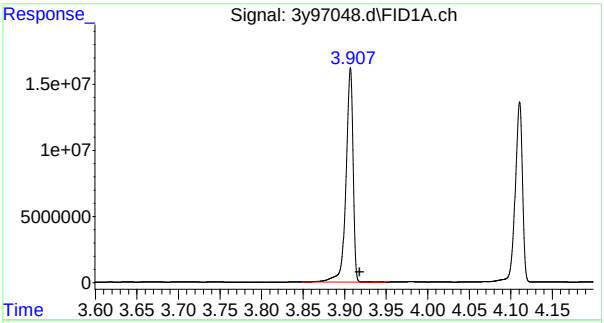
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97048.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 6:17 pm
Operator : claudiab
Sample : op68149-mb2
Misc : op68149,g3y3746,49.5,,,2,1
ALS Vial : 9 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 21:24:58 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Mon Oct 20 20:54:45 2025
Response via : Initial Calibration
Integrator: ChemStation

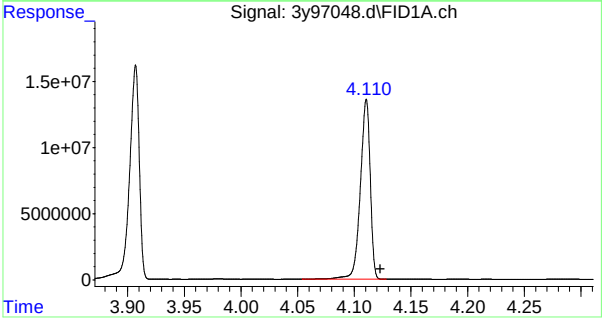
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





#6 o-TERPHENYL

R.T.: 3.907 min
Delta R.T.: -0.011 min
Response: 97004437
Conc: 2.15 PPM



#7 5a-ANDROSTANE

R.T.: 4.110 min
Delta R.T.: -0.013 min
Response: 82921903
Conc: 2.09 PPM

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97046.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 5:38 pm
Operator : claudiab
Sample : op68149-bs1
Misc : op68149,g3y3746,50.0,,,2,1
ALS Vial : 7 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 21:23:45 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Mon Oct 20 20:54:45 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
6) S o-TERPHENYL	3.911	130185014	2.887 PPM
Spiked Amount 50.000		Recovery =	5.77%
7) S 5a-ANDROSTANE	4.115	109202252	2.754 PPM
Spiked Amount 50.000		Recovery =	5.51%
Target Compounds			
1) H TPH-DRO	3.600	1692192251	49.192 PPM

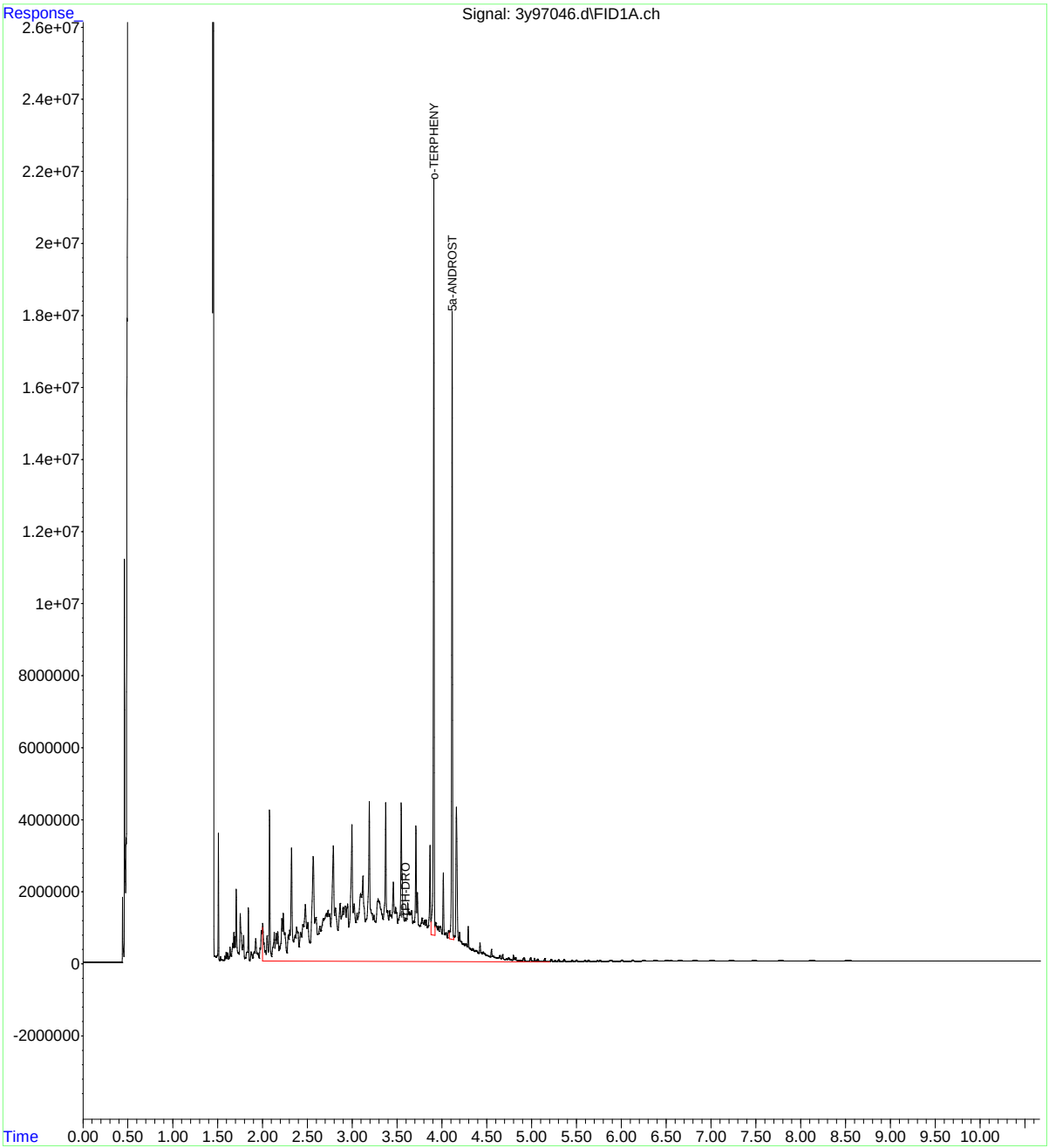
(f)=RT Delta > 1/2 Window (m)=manual int.

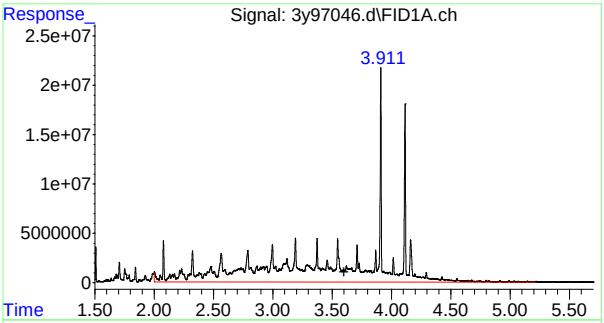
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97046.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 5:38 pm
Operator : claudiab
Sample : op68149-bs1
Misc : op68149,g3y3746,50.0,,,2,1
ALS Vial : 7 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 21:23:45 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Mon Oct 20 20:54:45 2025
Response via : Initial Calibration
Integrator: ChemStation

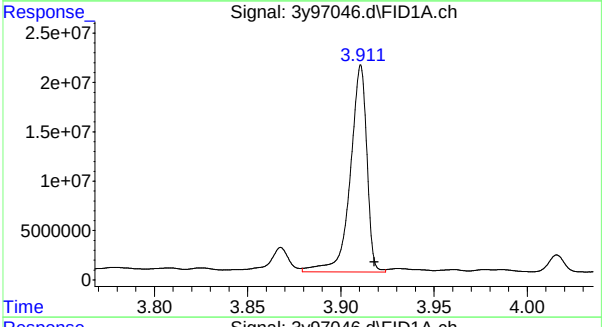
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





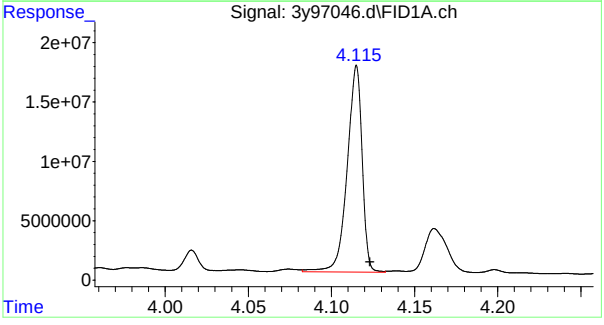
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 1692192251
Conc: 49.19 PPM



#6 o-TERPHENYL

R.T.: 3.911 min
Delta R.T.: -0.007 min
Response: 130185014
Conc: 2.89 PPM



#7 5a-ANDROSTANE

R.T.: 4.115 min
Delta R.T.: -0.008 min
Response: 109202252
Conc: 2.75 PPM

Manual Integrations APPROVED (compounds with "m" flag)
Rebecca Krug
10/20/25 21:56

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97047.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 5:58 pm
Operator : claudiab
Sample : op68149-bsd
Misc : op68149,g3y3746,49.8,,,2,1
ALS Vial : 8 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 21:24:34 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Mon Oct 20 20:54:45 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
6) S o-TERPHENYL	3.908	124347869	2.757	PPM	m
Spiked Amount 50.000		Recovery = 5.51%			
7) S 5a-ANDROSTANE	4.112	108526573	2.737	PPM	m
Spiked Amount 50.000		Recovery = 5.47%			
Target Compounds					
1) H TPH-DRO	3.600	1701709414	49.469	PPM	

(f)=RT Delta > 1/2 Window (m)=manual int.

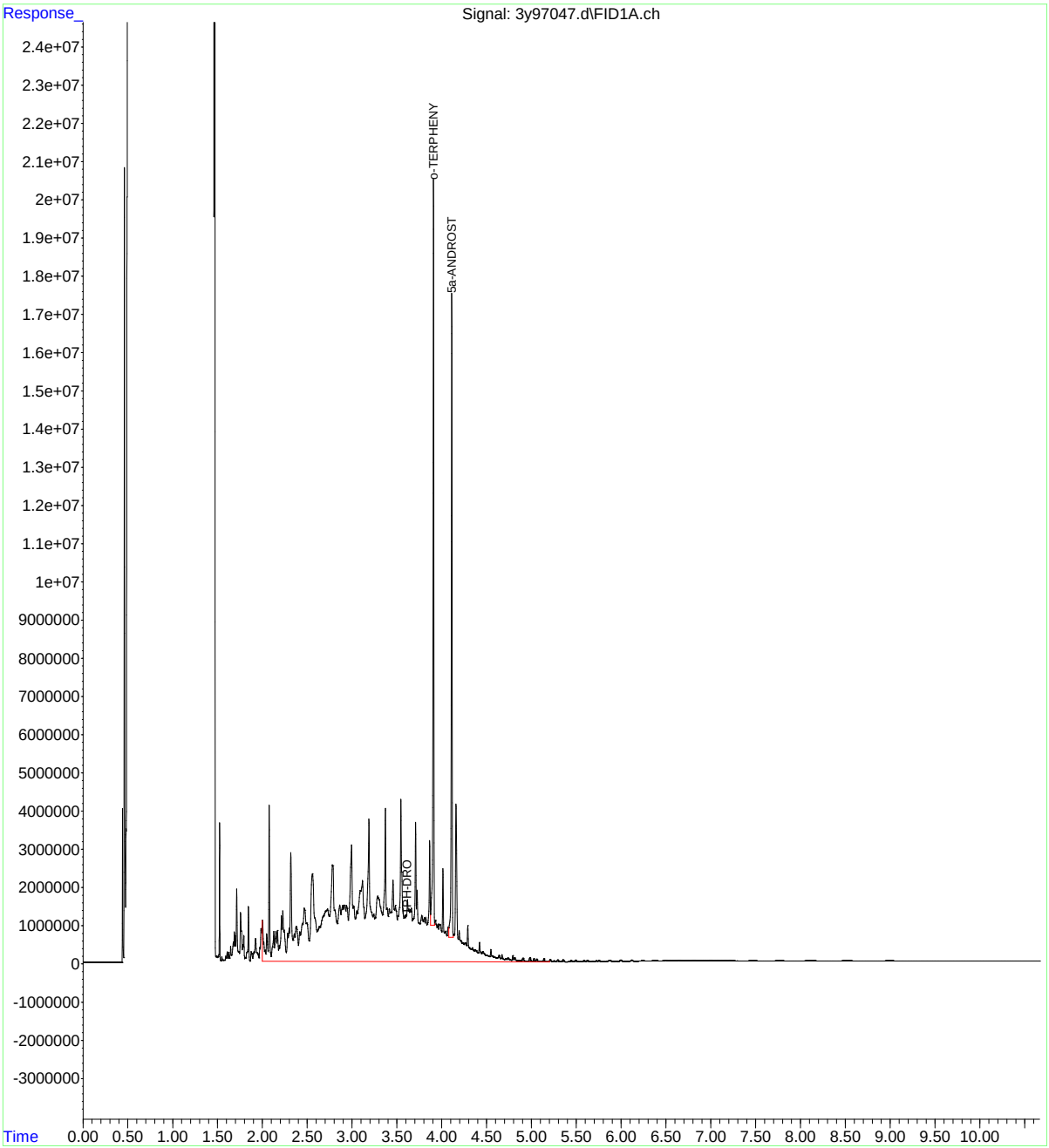
13.3.2
13

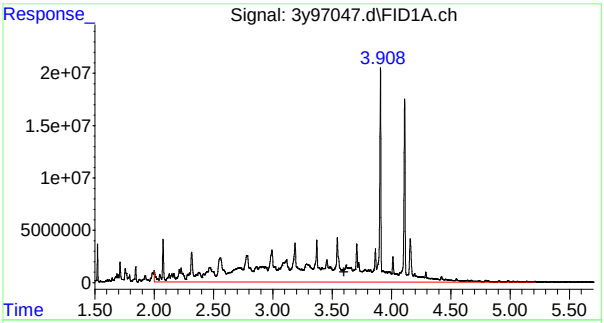
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97047.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 5:58 pm
Operator : claudiab
Sample : op68149-bsd
Misc : op68149,g3y3746,49.8,,,2,1
ALS Vial : 8 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 21:24:34 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Mon Oct 20 20:54:45 2025
Response via : Initial Calibration
Integrator: ChemStation

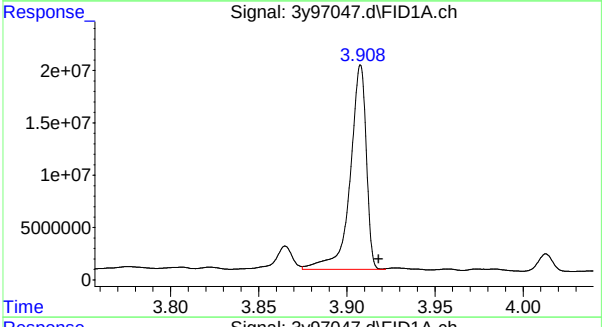
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





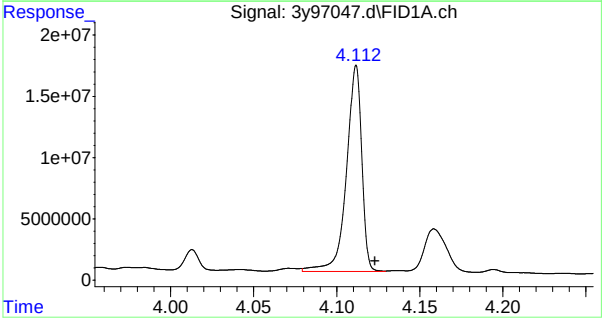
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 1701709414
Conc: 49.47 PPM



#6 o-TERPHENYL

R.T.: 3.908 min
Delta R.T.: -0.010 min
Response: 124347869
Conc: 2.76 PPM m



#7 5a-ANDROSTANE

R.T.: 4.112 min
Delta R.T.: -0.011 min
Response: 108526573
Conc: 2.74 PPM m

Manual Integration Approval Summary

Sample Number:	OP68149-BSD	**Method:**	SW846 8015D
Lab FileID:	3Y97047.D	**Analyst approved:**	10/20/25 21:37 Rebecca Krug
Injection Time:	10/17/25 17:58	**Supervisor approved:**	10/20/25 21:56 Rebecca Krug

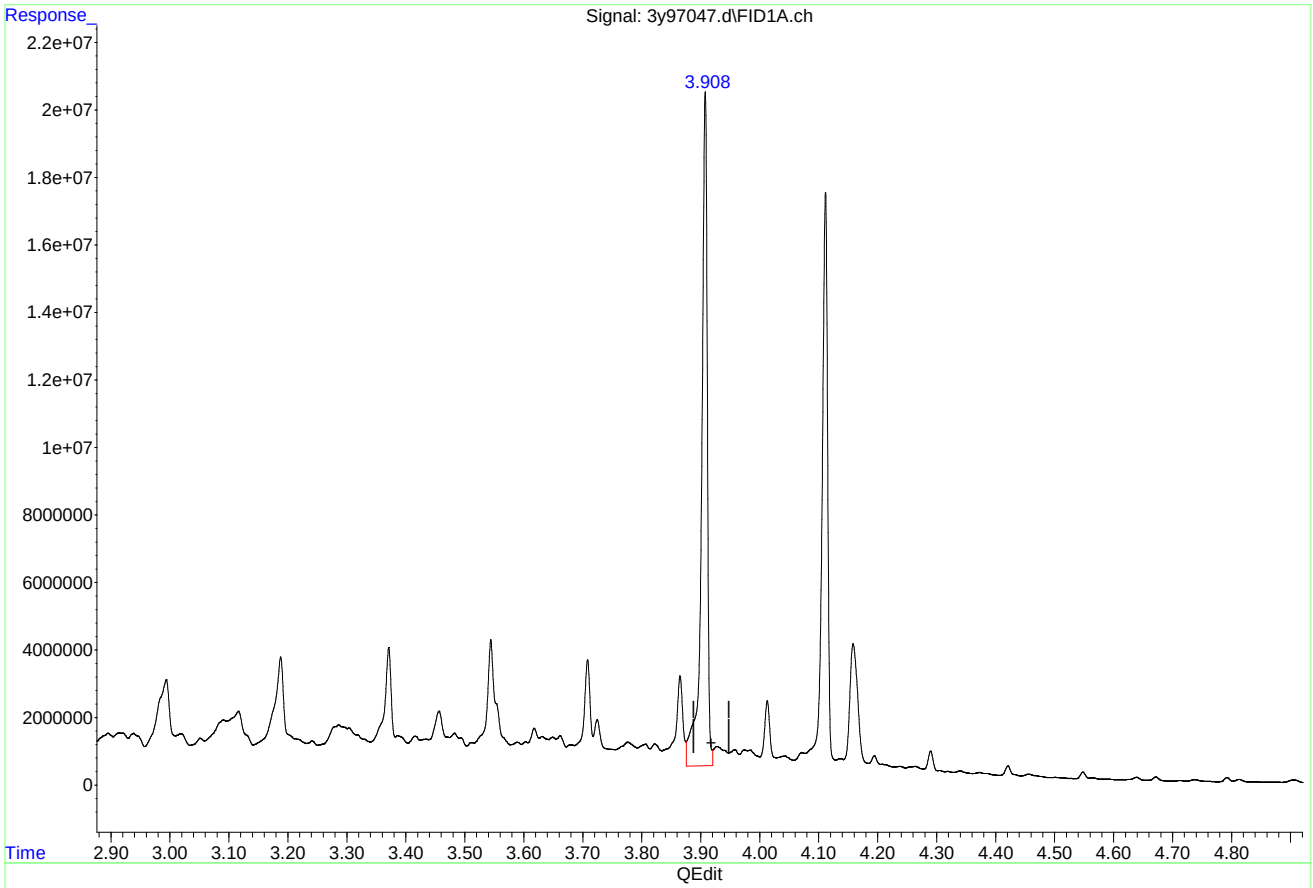
Parameter	CAS	Sig#	R.T. (min.)	Reason
o-Terphenyl	84-15-1	1	3.91	Poorly defined baseline
5a-Androstane	438-22-2	1	4.11	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97047.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 5:58 pm
Operator : claudiab
Sample : op68149-bsd
Misc : op68149,g3y3746,49.8,,,2,1
ALS Vial : 8 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 21:24:03 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Mon Oct 20 20:54:45 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.908min 3.016 PPM

response 135993134

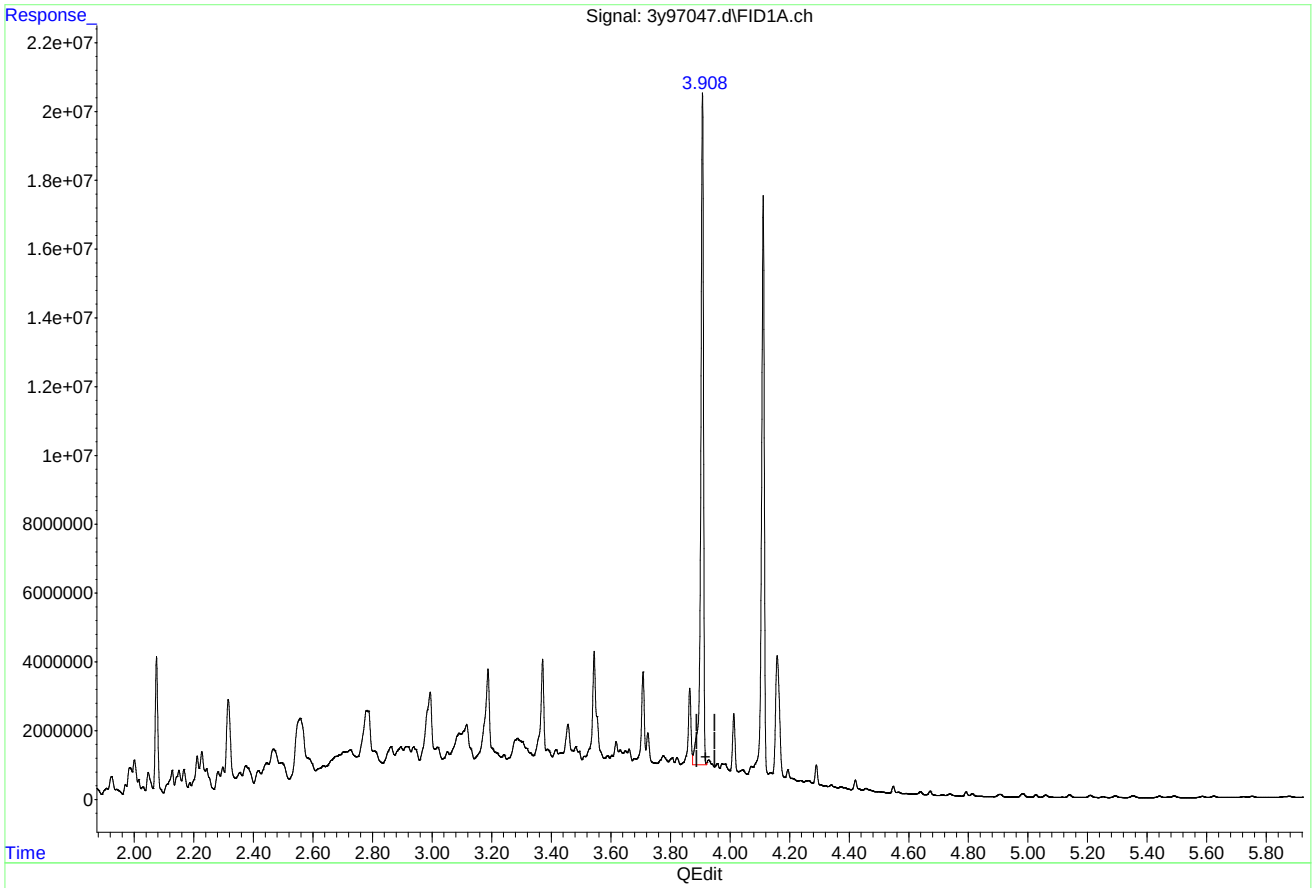
(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 21:24:15 2025 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97047.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 5:58 pm
Operator : claudiab
Sample : op68149-bsd
Misc : op68149,g3y3746,49.8,,,2,1
ALS Vial : 8 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 21:24:03 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Mon Oct 20 20:54:45 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.908min 2.757 PPM m

response 124347869

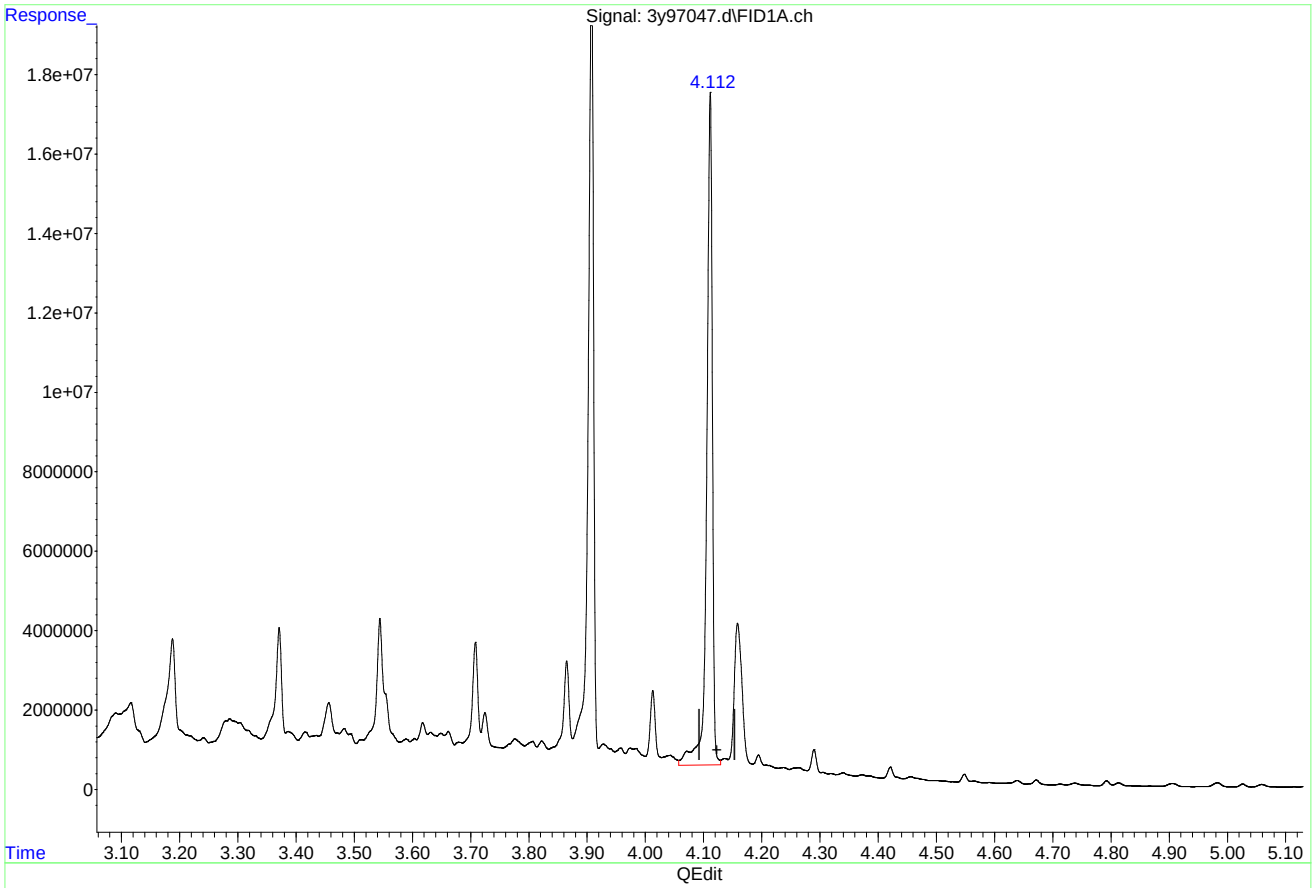
(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 21:24:22 2025 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97047.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 5:58 pm
Operator : claudiab
Sample : op68149-bsd
Misc : op68149,g3y3746,49.8,,,2,1
ALS Vial : 8 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 21:24:03 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Mon Oct 20 20:54:45 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.112min 2.883 PPM

response 114320629

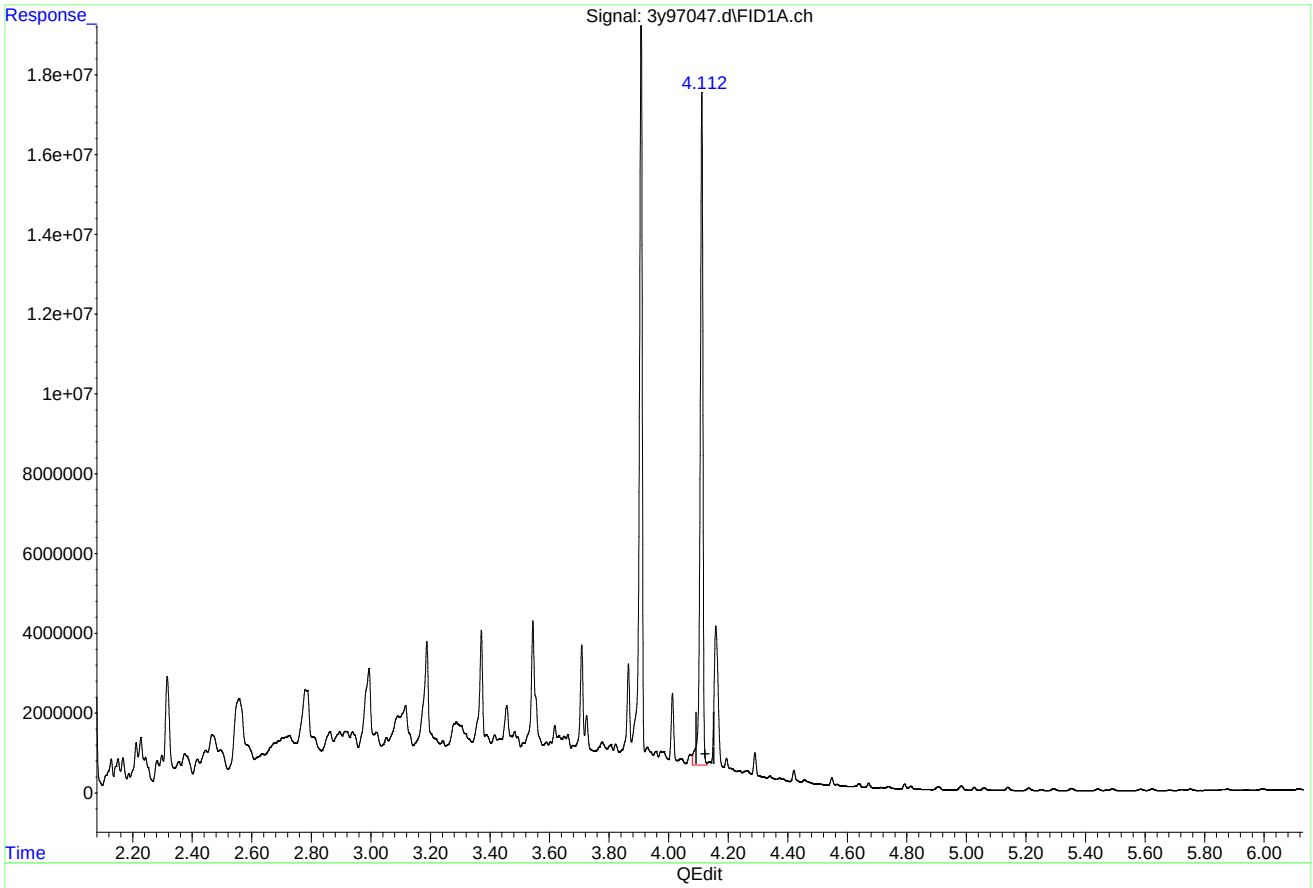
(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 21:24:26 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97047.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 5:58 pm
Operator : claudiab
Sample : op68149-bsd
Misc : op68149,g3y3746,49.8,,,2,1
ALS Vial : 8 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 21:24:03 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Mon Oct 20 20:54:45 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.112min 2.737 PPM m

response 108526573

(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 21:24:38 2025 Page: 1

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97049.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 6:37 pm
Operator : claudiab
Sample : op68149-bs2
Misc : op68149,g3y3746,49.3,,,2,1
ALS Vial : 10 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 21:25:22 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Mon Oct 20 20:54:45 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
6) S o-TERPHENYL	3.908	124854617	2.769 PPM
Spiked Amount 50.000		Recovery =	5.54%
7) S 5a-ANDROSTANE	4.112	105946974	2.672 PPM
Spiked Amount 50.000		Recovery =	5.34%
Target Compounds			
1) H TPH-DRO	3.600	1655143883	48.115 PPM

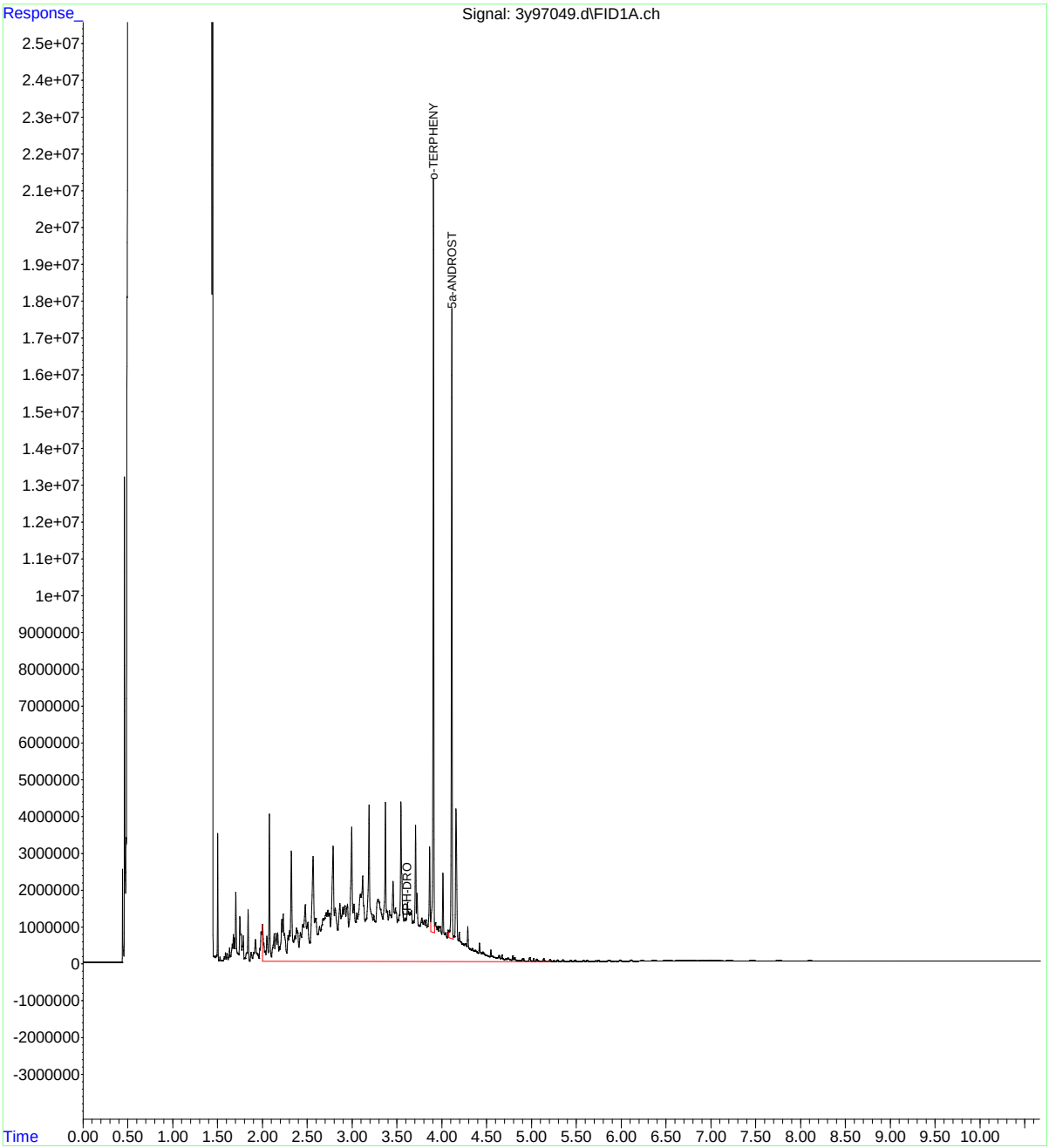
(f)=RT Delta > 1/2 Window (m)=manual int.

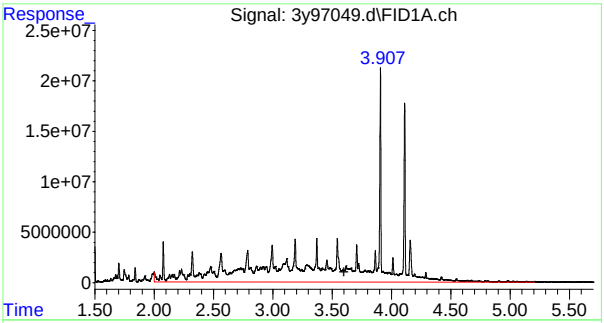
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97049.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 6:37 pm
Operator : claudiab
Sample : op68149-bs2
Misc : op68149,g3y3746,49.3,,,2,1
ALS Vial : 10 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 21:25:22 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Mon Oct 20 20:54:45 2025
Response via : Initial Calibration
Integrator: ChemStation

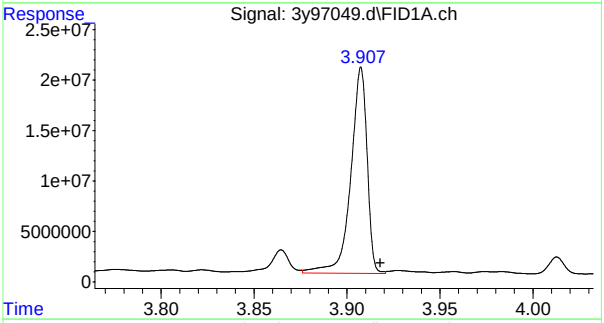
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





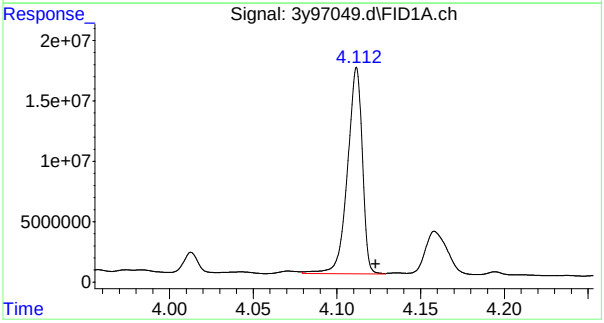
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 1655143883
Conc: 48.12 PPM



#6 o-TERPHENYL

R.T.: 3.908 min
Delta R.T.: -0.010 min
Response: 124854617
Conc: 2.77 PPM



#7 5a-ANDROSTANE

R.T.: 4.112 min
Delta R.T.: -0.011 min
Response: 105946974
Conc: 2.67 PPM

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97050.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 6:57 pm
Operator : claudiab
Sample : op68149-bsd2
Misc : op68149,g3y3746,49.4,,,2,1
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 21:26:04 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Mon Oct 20 20:54:45 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
6) S o-TERPHENYL	3.907	126766097	2.811 PPM
Spiked Amount 50.000		Recovery =	5.62%
7) S 5a-ANDROSTANE	4.111	109940917	2.772 PPM
Spiked Amount 50.000		Recovery =	5.54%
Target Compounds			
1) H TPH-DRO	3.600	1647264180	47.886 PPM

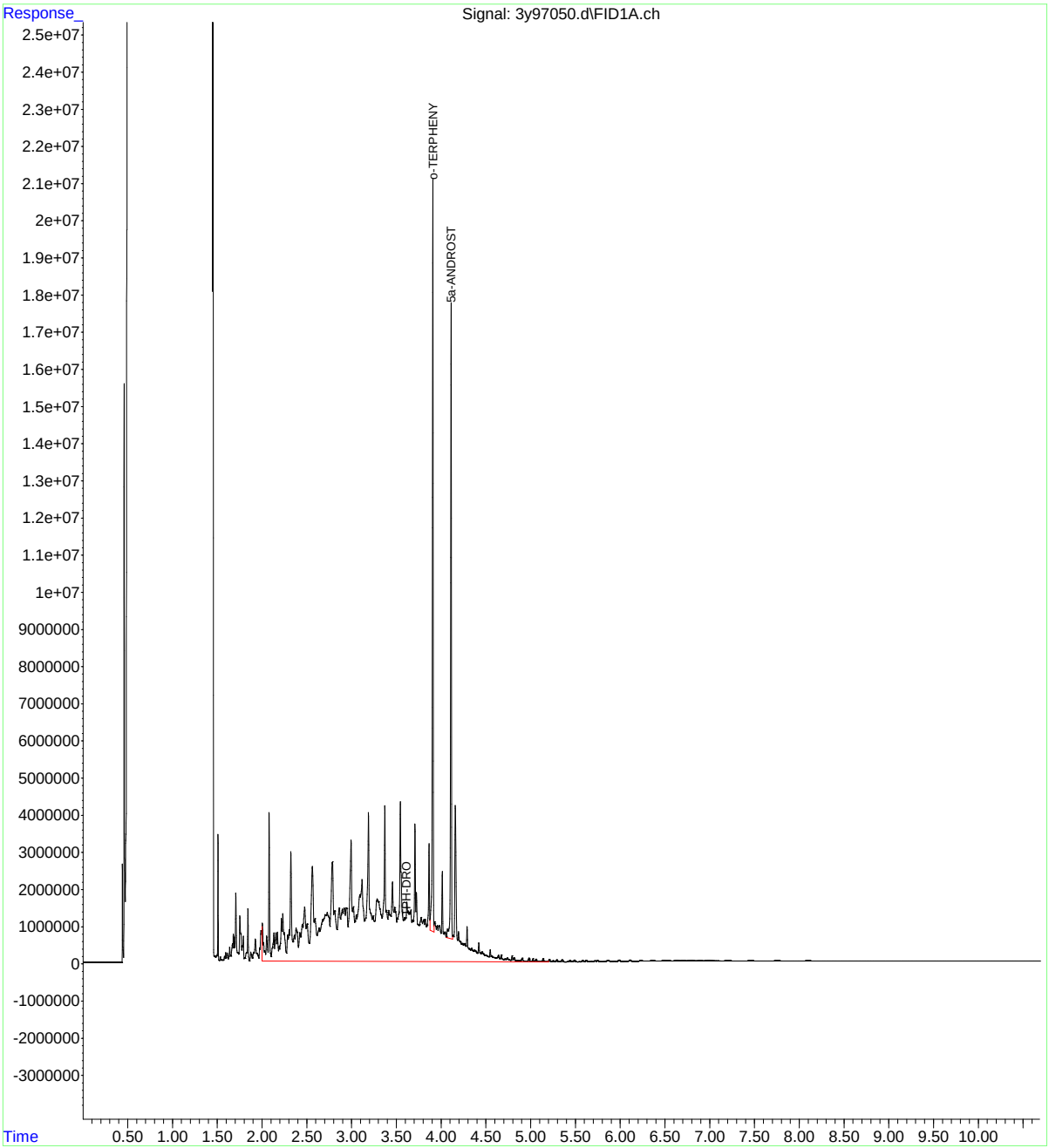
(f)=RT Delta > 1/2 Window (m)=manual int.

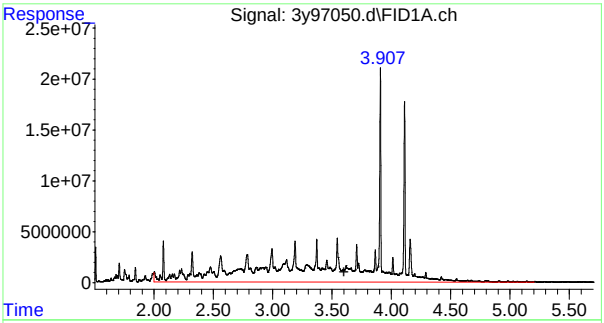
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97050.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 6:57 pm
Operator : claudiab
Sample : op68149-bsd2
Misc : op68149,g3y3746,49.4,,,2,1
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 21:26:04 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Mon Oct 20 20:54:45 2025
Response via : Initial Calibration
Integrator: ChemStation

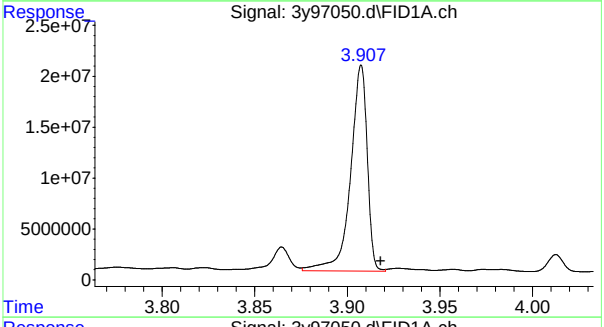
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





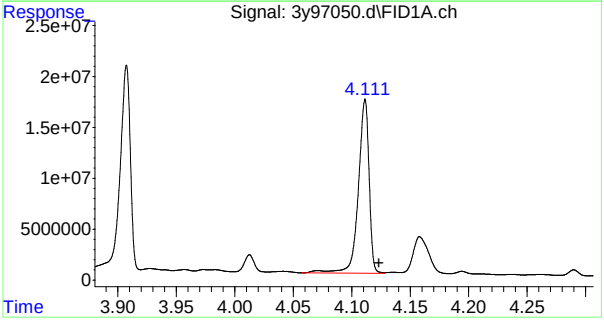
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 1647264180
Conc: 47.89 PPM



#6 o-TERPHENYL

R.T.: 3.907 min
Delta R.T.: -0.011 min
Response: 126766097
Conc: 2.81 PPM



#7 5a-ANDROSTANE

R.T.: 4.111 min
Delta R.T.: -0.012 min
Response: 109940917
Conc: 2.77 PPM

Manual Integrations APPROVED (compounds with "m" flag)
Sarah Cruz
10/22/25 01:28

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\laylanie\G3Z3747\
Data File : 3z97169.D
Signal(s) : FID2B.ch
Acq On : 20 Oct 2025 2:05 am
Operator : rebeccak
Sample : op68149-ms
Misc : op68149,g3z3747,45.1,,,2,1
ALS Vial : 37 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 21 08:48:55 2025
Quant Method : C:\msdchem\1\data\laylanie\G3Z3747\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Mon Oct 20 11:32:14 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
6) S o-TERPHENYL	3.873	148389719	2.833	PPM	m
Spiked Amount 50.000		Recovery = 5.67%			
7) S 5a-ANDROSTANE	4.076	120593871	2.370	PPM	m
Spiked Amount 50.000		Recovery = 4.74%			
Target Compounds					
1) H TPH-DRO	3.600	2787073463	73.307	PPM	

(f)=RT Delta > 1/2 Window (m)=manual int.

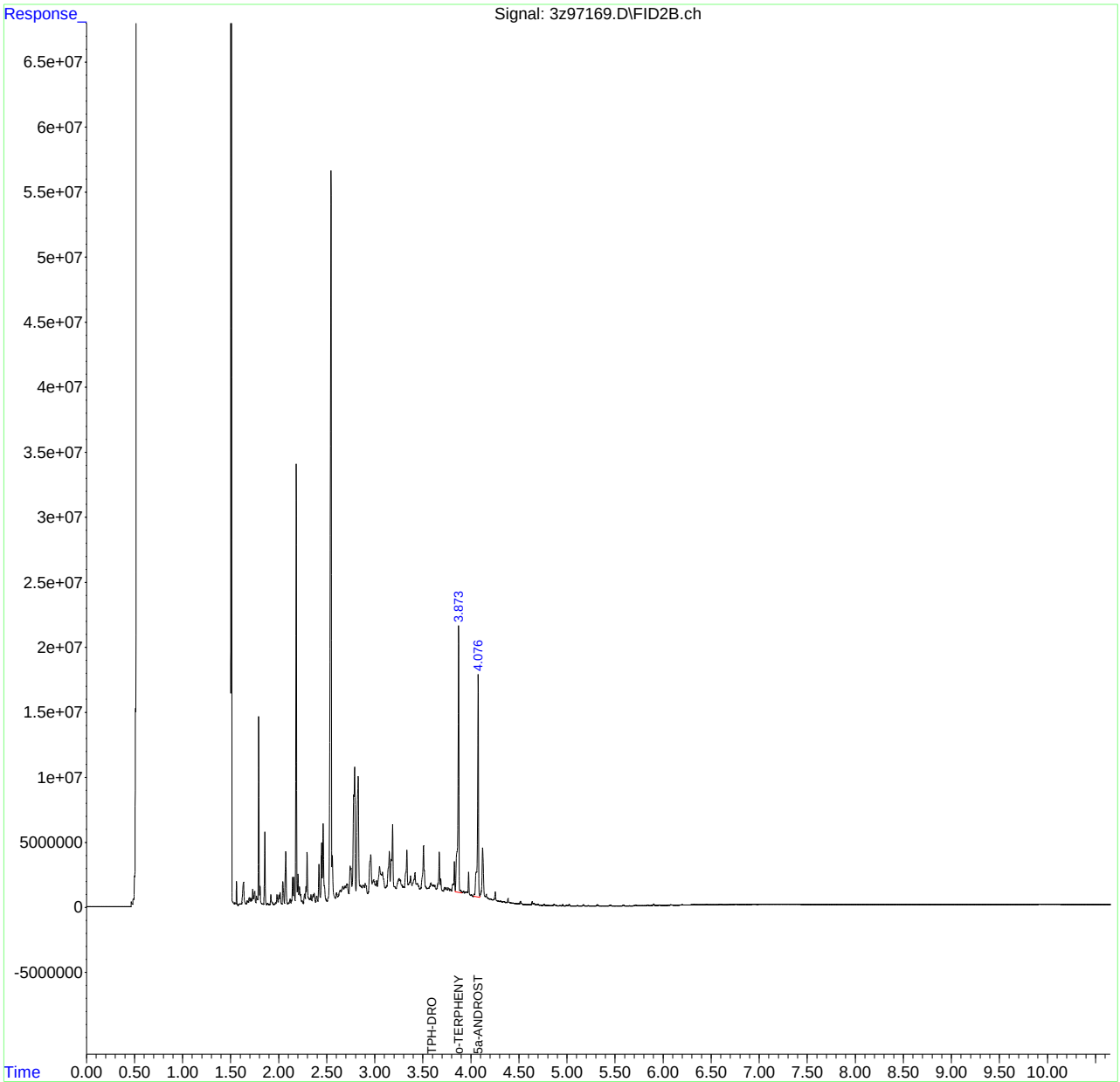
13.4.1
13

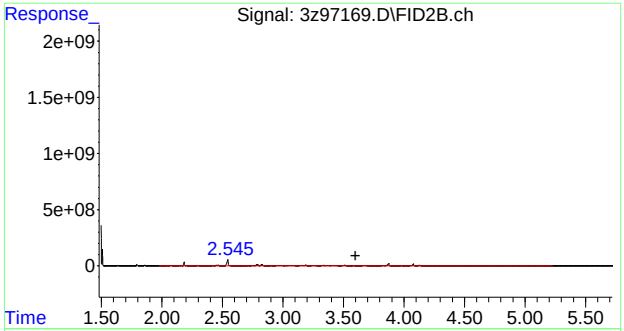
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\laylanie\G3Z3747\
Data File : 3z97169.D
Signal(s) : FID2B.ch
Acq On : 20 Oct 2025 2:05 am
Operator : rebeccak
Sample : op68149-ms
Misc : op68149,g3z3747,45.1,,,2,1
ALS Vial : 37 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 21 08:48:55 2025
Quant Method : C:\msdchem\1\data\laylanie\G3Z3747\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Mon Oct 20 11:32:14 2025
Response via : Initial Calibration
Integrator: ChemStation

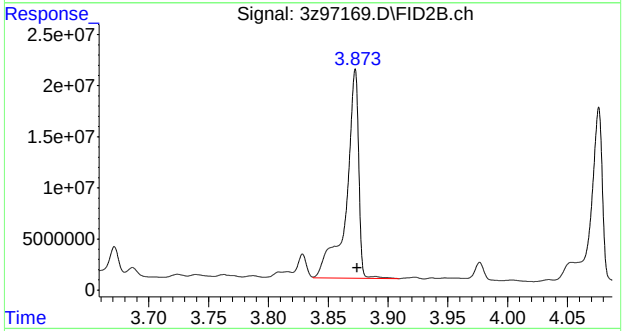
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





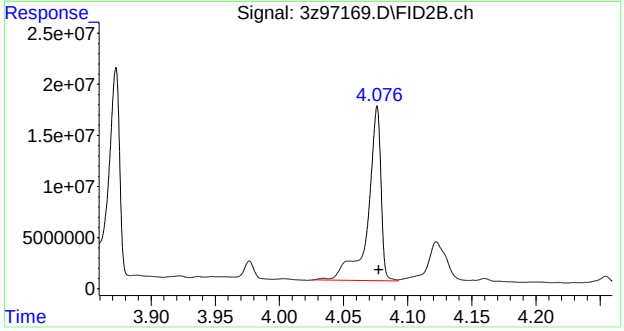
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 2787073463
Conc: 73.31 PPM



#6 o-TERPHENYL

R.T.: 3.873 min
Delta R.T.: -0.002 min
Response: 148389719
Conc: 2.83 PPM m



#7 5a-ANDROSTANE

R.T.: 4.076 min
Delta R.T.: -0.001 min
Response: 120593871
Conc: 2.37 PPM m

Manual Integration Approval Summary

Sample Number: OP68149-MS
Lab FileID: 3Z97169.D
Injection Time: 10/20/25 02:05
Method: SW846 8015D
Analyst approved: 10/20/25 21:05 Laylanie Caunin
Supervisor approved: 10/22/25 01:28 Sarah Cruz

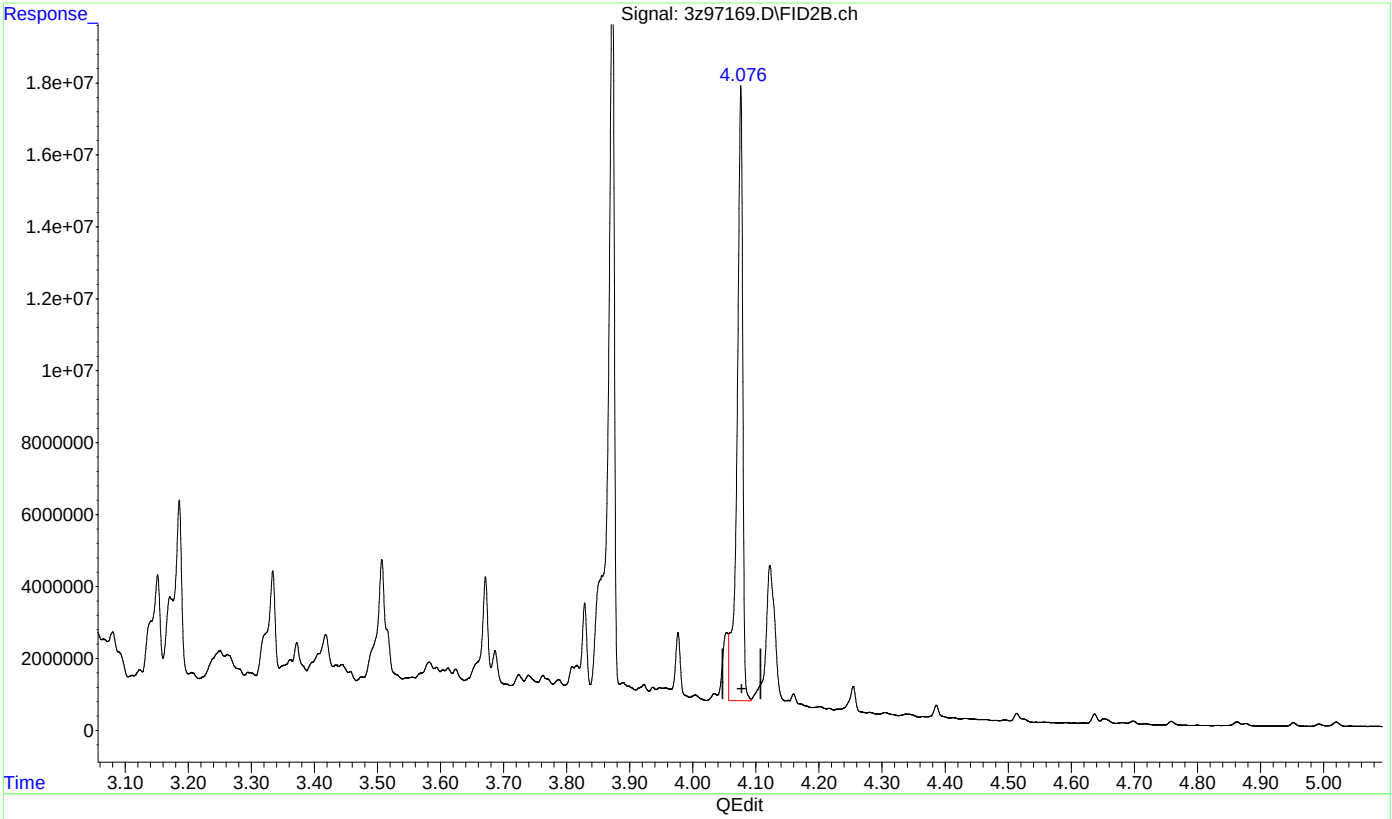
Parameter	CAS	Sig#	R.T. (min.)	Reason
o-Terphenyl	84-15-1	1	3.87	Poorly defined baseline
5a-Androstane	438-22-2	1	4.08	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\laylanie\G3Z3747\
Data File : 3z97169.D
Signal(s) : FID2B.ch
Acq On : 20 Oct 2025 2:05 am
Operator : rebeccak
Sample : op68149-ms
Misc : op68149,g3z3747,45.1,,,2,1
ALS Vial : 37 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 21 06:45:01 2025
Quant Method : C:\msdchem\1\data\laylanie\G3Z3747\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Mon Oct 20 11:32:14 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.076min 2.111 PPM

response 107418292

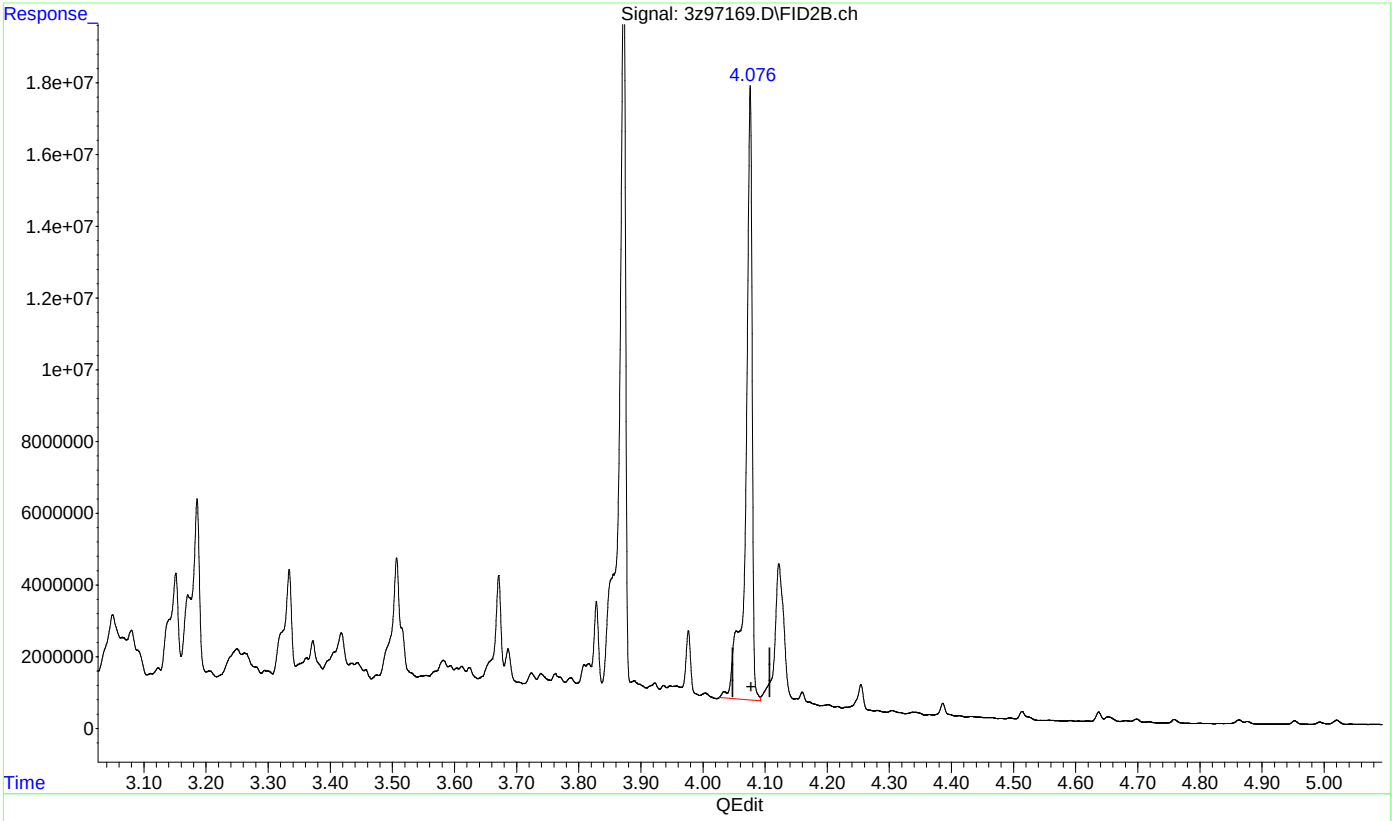
(+) = Expected Retention Time
DROLVI3Z3740.M Tue Oct 21 08:46:59 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\laylanie\G3Z3747\
Data File : 3z97169.D
Signal(s) : FID2B.ch
Acq On : 20 Oct 2025 2:05 am
Operator : rebeccak
Sample : op68149-ms
Misc : op68149,g3z3747,45.1,,,2,1
ALS Vial : 37 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 21 06:45:01 2025
Quant Method : C:\msdchem\1\data\laylanie\G3Z3747\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Mon Oct 20 11:32:14 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.076min 2.370 PPM m

response 120593871

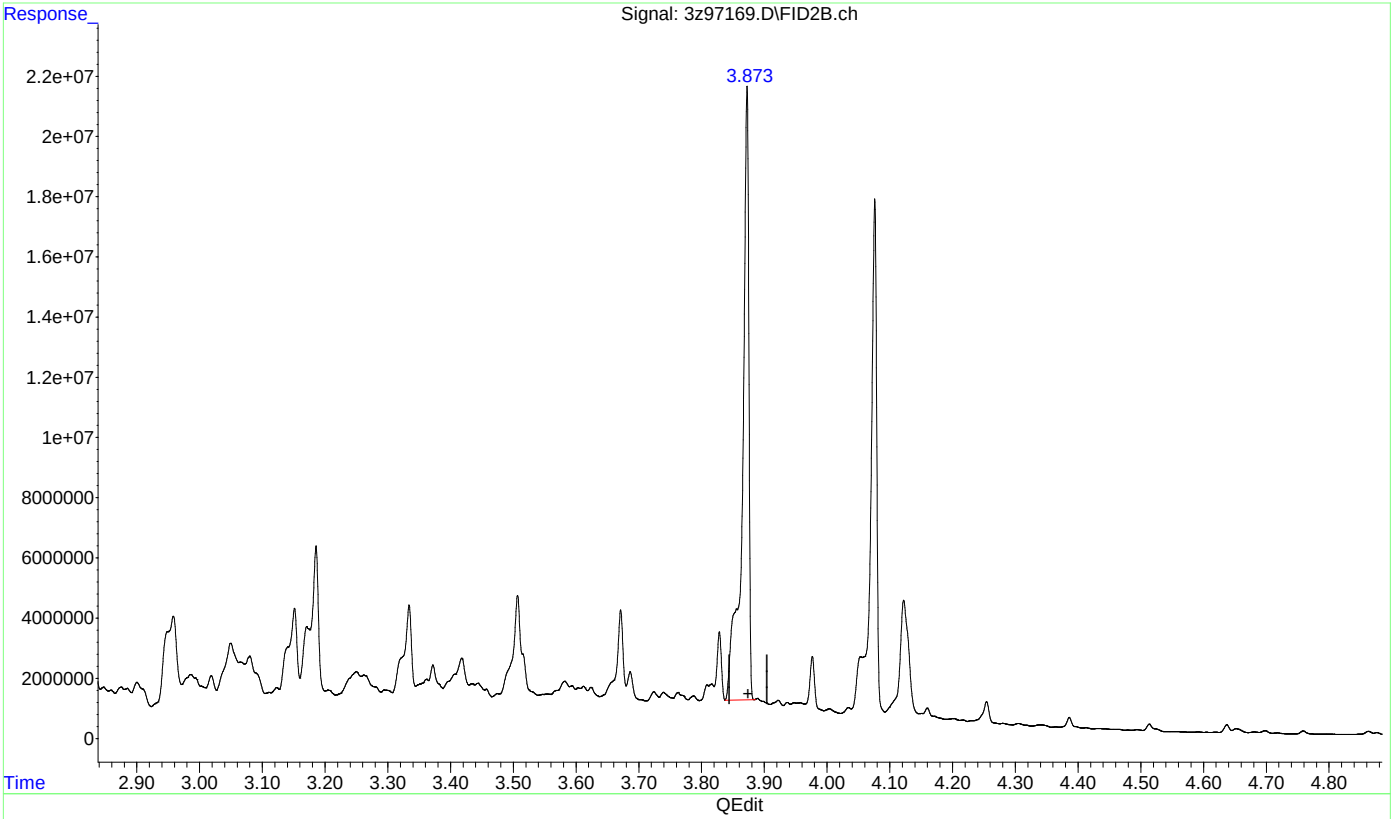
(+) = Expected Retention Time
DROLVI3Z3740.M Tue Oct 21 08:47:16 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\laylanie\G3Z3747\
Data File : 3z97169.D
Signal(s) : FID2B.ch
Acq On : 20 Oct 2025 2:05 am
Operator : rebeccak
Sample : op68149-ms
Misc : op68149,g3z3747,45.1,,,2,1
ALS Vial : 37 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 21 06:45:01 2025
Quant Method : C:\msdchem\1\data\laylanie\G3Z3747\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Mon Oct 20 11:32:14 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.873min 2.743 PPM

response 143668078

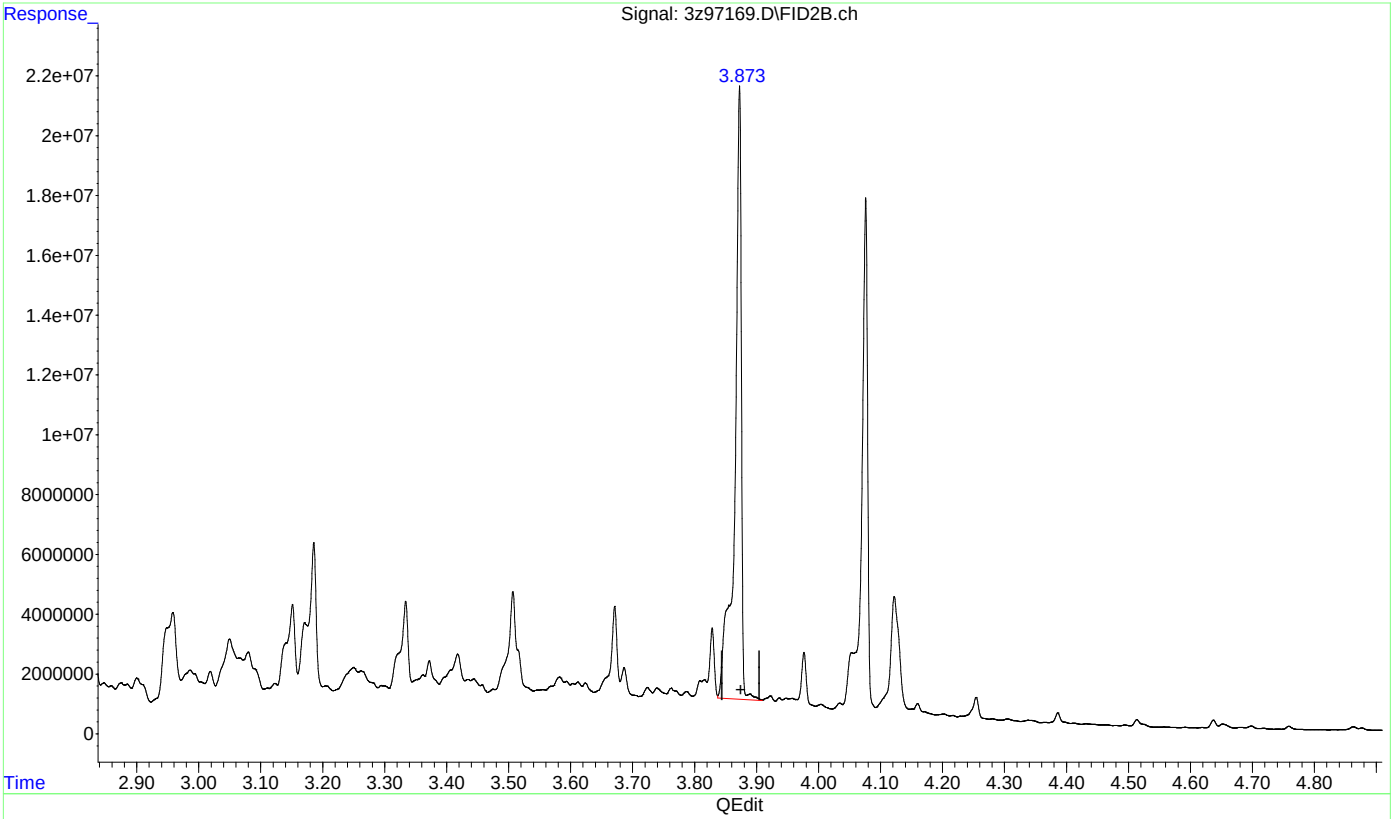
(+) = Expected Retention Time
DROLVI3Z3740.M Tue Oct 21 08:47:19 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\laylanie\G3Z3747\
Data File : 3z97169.D
Signal(s) : FID2B.ch
Acq On : 20 Oct 2025 2:05 am
Operator : rebeccak
Sample : op68149-ms
Misc : op68149,g3z3747,45.1,,,2,1
ALS Vial : 37 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 21 06:45:01 2025
Quant Method : C:\msdchem\1\data\laylanie\G3Z3747\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Mon Oct 20 11:32:14 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.873min 2.833 PPM m

response 148389719

(+) = Expected Retention Time
DROLVI3Z3740.M Tue Oct 21 08:47:30 2025

Manual Integrations APPROVED (compounds with "m" flag)
Sarah Cruz
10/22/25 01:28

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\laylanie\G3Z3747\
Data File : 3z97170.D
Signal(s) : FID2B.ch
Acq On : 20 Oct 2025 2:25 am
Operator : rebeccak
Sample : op68149-msd
Misc : op68149,g3z3747,43.2,,,2,1
ALS Vial : 38 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 21 08:49:32 2025
Quant Method : C:\msdchem\1\data\laylanie\G3Z3747\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Mon Oct 20 11:32:14 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
6) S o-TERPHENYL	3.873	143376291	2.737 PPM m
Spiked Amount 50.000		Recovery =	5.47%
7) S 5a-ANDROSTANE	4.076	119056389	2.340 PPM m
Spiked Amount 50.000		Recovery =	4.68%
Target Compounds			
1) H TPH-DRO	3.600	2661195416	69.996 PPM

(f)=RT Delta > 1/2 Window (m)=manual int.

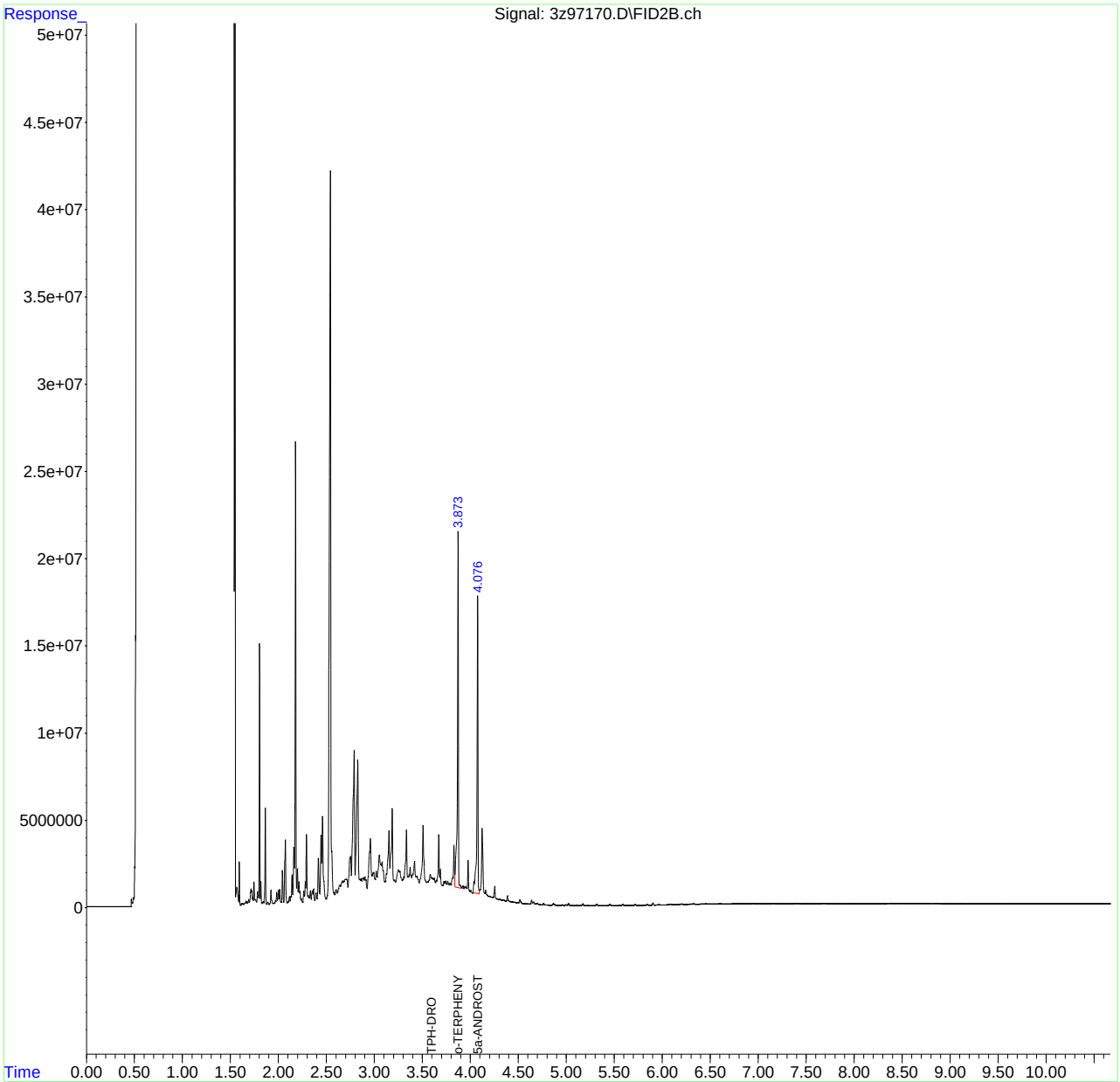
13.4.2
13

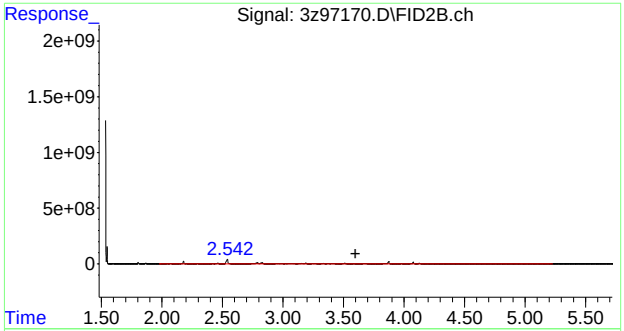
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\laylanie\G3Z3747\
Data File : 3z97170.D
Signal(s) : FID2B.ch
Acq On : 20 Oct 2025 2:25 am
Operator : rebeccak
Sample : op68149-msd
Misc : op68149,g3z3747,43.2,,,2,1
ALS Vial : 38 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 21 08:49:32 2025
Quant Method : C:\msdchem\1\data\laylanie\G3Z3747\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Mon Oct 20 11:32:14 2025
Response via : Initial Calibration
Integrator: ChemStation

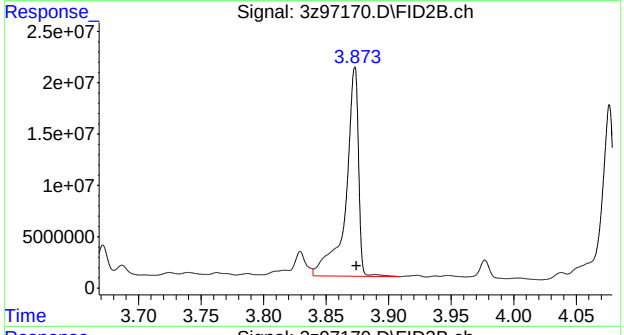
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





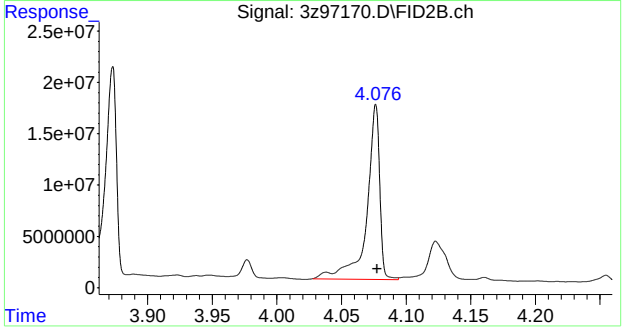
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 2661195416
Conc: 70.00 PPM



#6 o-TERPHENYL

R.T.: 3.873 min
Delta R.T.: -0.001 min
Response: 143376291
Conc: 2.74 PPM m



#7 5a-ANDROSTANE

R.T.: 4.076 min
Delta R.T.: -0.001 min
Response: 119056389
Conc: 2.34 PPM m

Manual Integration Approval Summary

Sample Number: OP68149-MSD
Lab FileID: 3Z97170.D
Injection Time: 10/20/25 02:25
Method: SW846 8015D
Analyst approved: 10/20/25 21:05 Laylanie Caunin
Supervisor approved: 10/22/25 01:28 Sarah Cruz

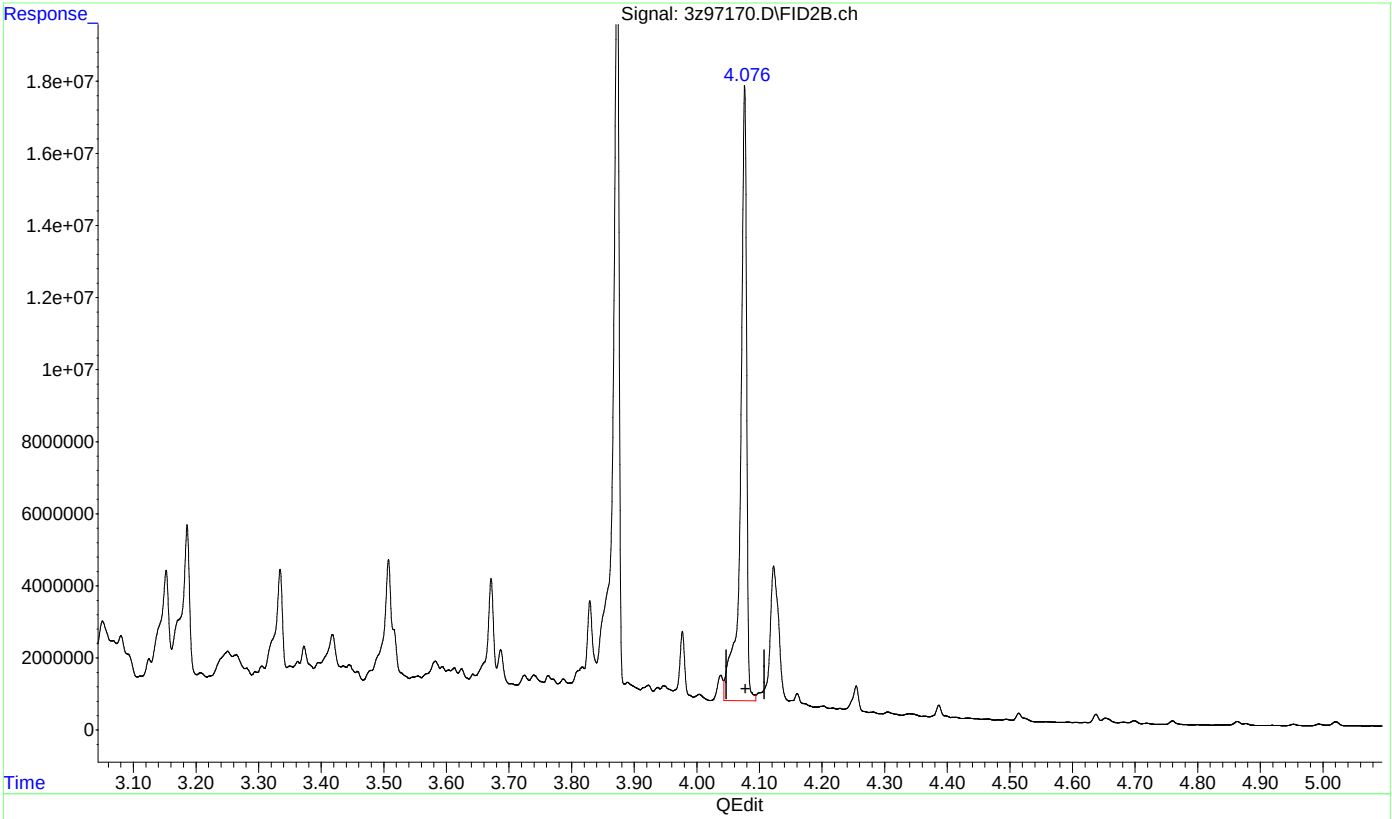
Parameter	CAS	Sig#	R.T. (min.)	Reason
o-Terphenyl	84-15-1	1	3.87	Poorly defined baseline
5a-Androstane	438-22-2	1	4.08	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\laylanie\G3Z3747\
Data File : 3z97170.D
Signal(s) : FID2B.ch
Acq On : 20 Oct 2025 2:25 am
Operator : rebeccak
Sample : op68149-msd
Misc : op68149,g3z3747,43.2,,,2,1
ALS Vial : 38 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 21 06:45:04 2025
Quant Method : C:\msdchem\1\data\laylanie\G3Z3747\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Mon Oct 20 11:32:14 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.077min 2.267 PPM

response 115354213

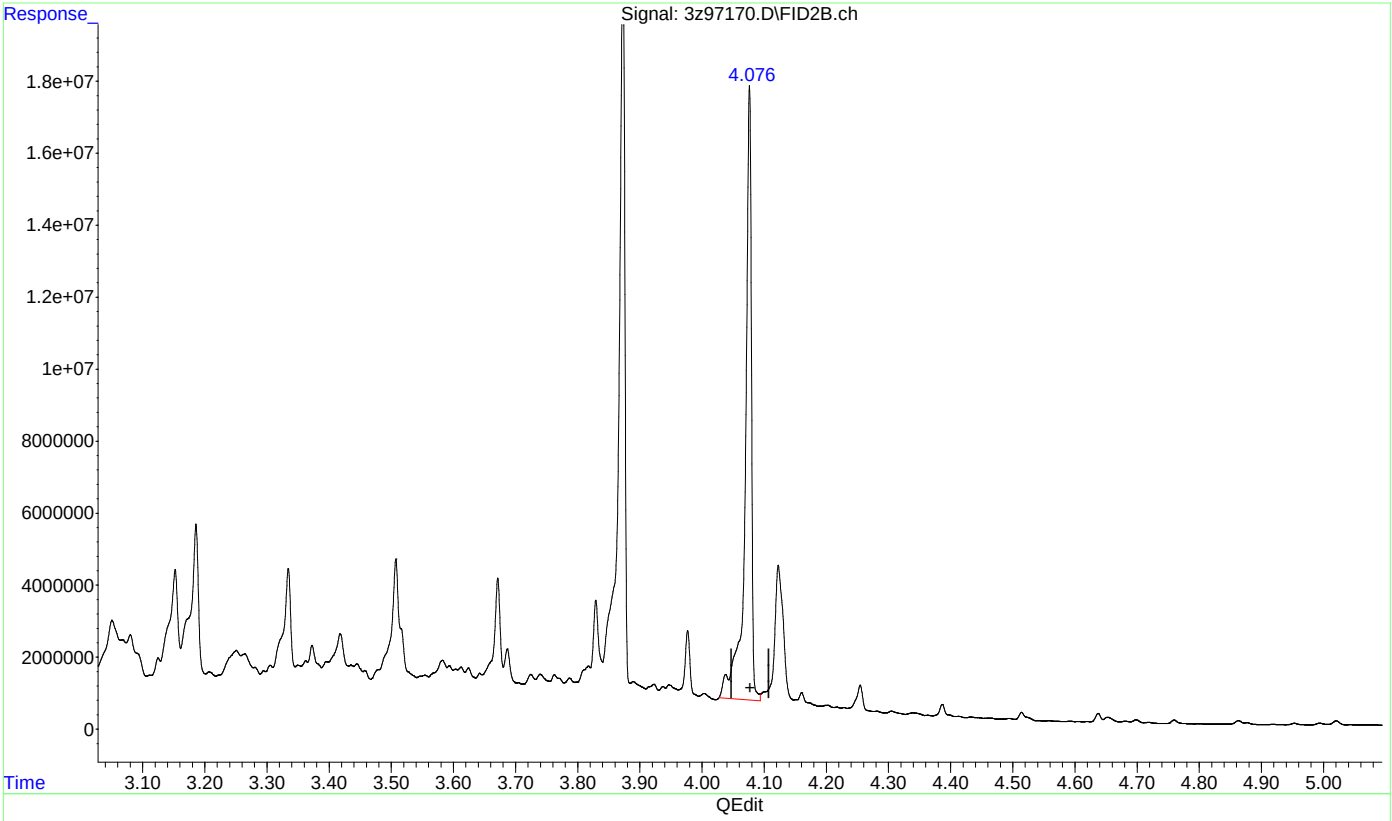
(+) = Expected Retention Time
DROLVI3Z3740.M Tue Oct 21 08:49:08 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\laylanie\G3Z3747\
Data File : 3z97170.D
Signal(s) : FID2B.ch
Acq On : 20 Oct 2025 2:25 am
Operator : rebeccak
Sample : op68149-msd
Misc : op68149,g3z3747,43.2,,,2,1
ALS Vial : 38 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 21 06:45:04 2025
Quant Method : C:\msdchem\1\data\laylanie\G3Z3747\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Mon Oct 20 11:32:14 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.076min 2.340 PPM m

response 119056389

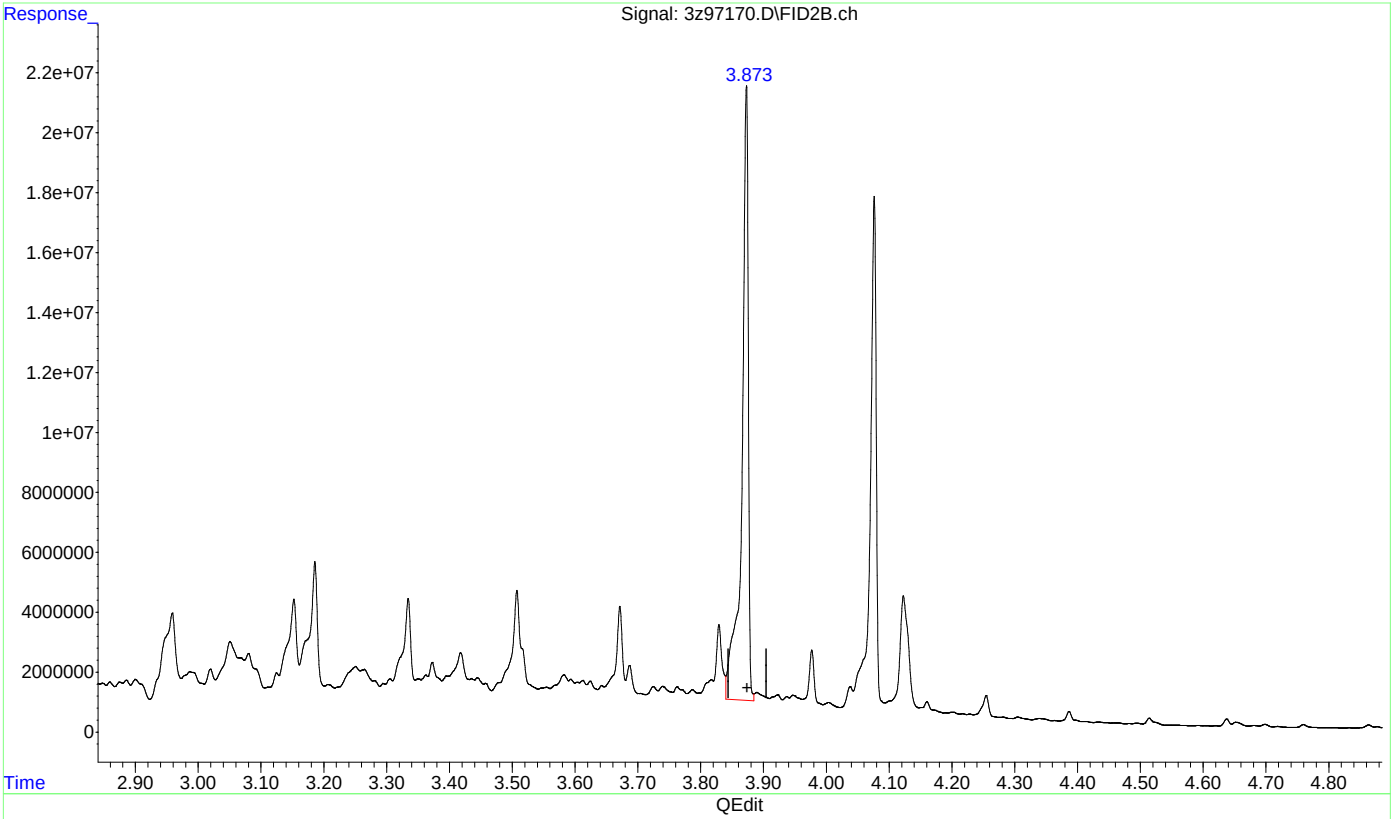
(+) = Expected Retention Time
DROLVI3Z3740.M Tue Oct 21 08:49:22 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\laylanie\G3Z3747\
Data File : 3z97170.D
Signal(s) : FID2B.ch
Acq On : 20 Oct 2025 2:25 am
Operator : rebeccak
Sample : op68149-msd
Misc : op68149,g3z3747,43.2,,,2,1
ALS Vial : 38 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 21 06:45:04 2025
Quant Method : C:\msdchem\1\data\laylanie\G3Z3747\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Mon Oct 20 11:32:14 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.873min 2.758 PPM

response 144484658

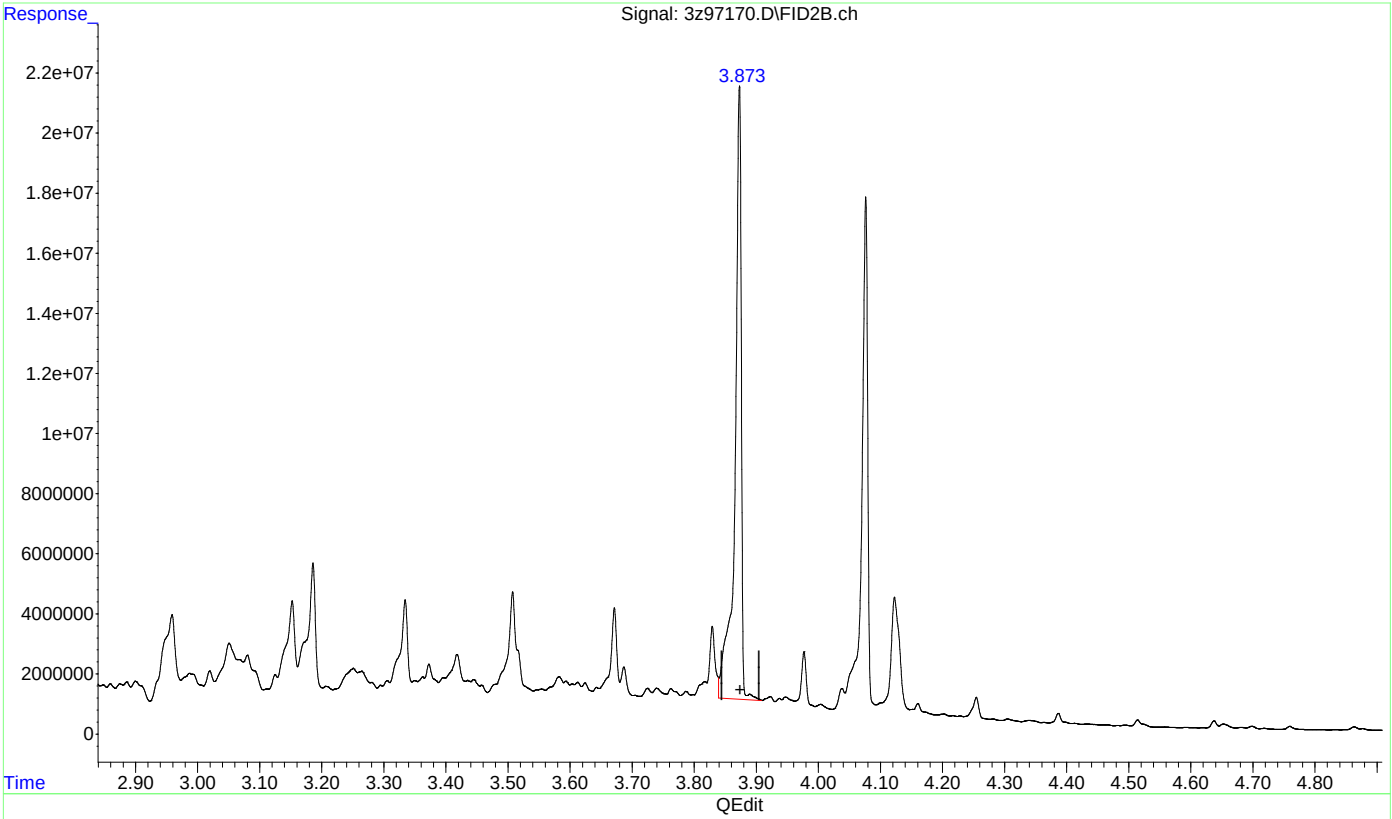
(+) = Expected Retention Time
DROLVI3Z3740.M Tue Oct 21 08:49:24 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\laylanie\G3Z3747\
Data File : 3z97170.D
Signal(s) : FID2B.ch
Acq On : 20 Oct 2025 2:25 am
Operator : rebeccak
Sample : op68149-msd
Misc : op68149,g3z3747,43.2,,,2,1
ALS Vial : 38 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 21 06:45:04 2025
Quant Method : C:\msdchem\1\data\laylanie\G3Z3747\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Mon Oct 20 11:32:14 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.873min 2.737 PPM m

response 143376291

(+) = Expected Retention Time
DROLVI3Z3740.M Tue Oct 21 08:49:45 2025

Manual Integrations APPROVED (compounds with "m" flag)
Sarah Cruz
10/22/25 01:28

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\laylanie\G3Z3747\
Data File : 3z97173.D
Signal(s) : FID2B.ch
Acq On : 20 Oct 2025 3:25 am
Operator : rebeccak
Sample : op68149-ms2
Misc : op68149,g3z3747,45.3,,,2,1
ALS Vial : 41 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 21 08:52:05 2025
Quant Method : C:\msdchem\1\data\laylanie\G3Z3747\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Mon Oct 20 11:32:14 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
6) S o-TERPHENYL	3.871	147889412	2.823	PPM	m
Spiked Amount 50.000		Recovery = 5.65%			
7) S 5a-ANDROSTANE	4.074	118412240	2.327	PPM	m
Spiked Amount 50.000		Recovery = 4.65%			
Target Compounds					
1) H TPH-DRO	3.600	2798914262	73.618	PPM	

(f)=RT Delta > 1/2 Window (m)=manual int.

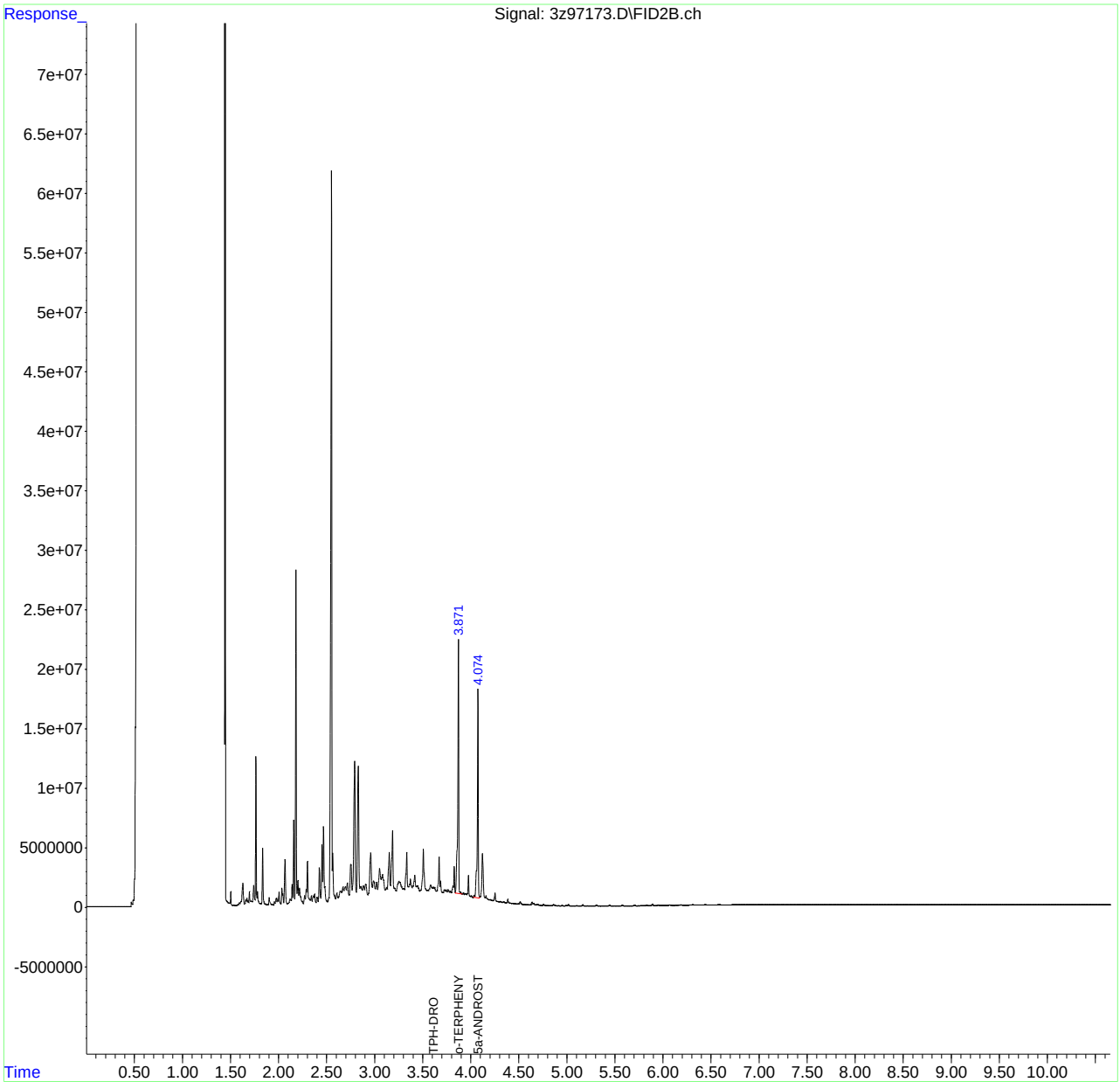
13.4.3
13

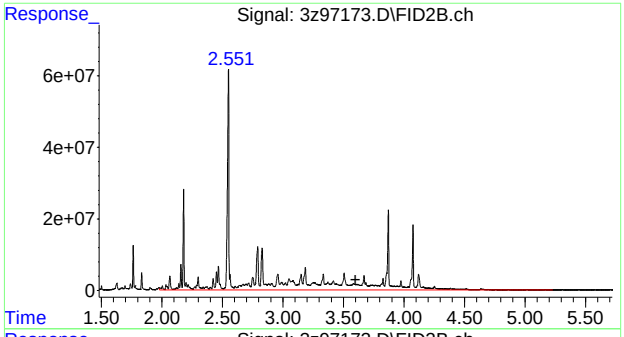
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\laylanie\G3Z3747\
Data File : 3z97173.D
Signal(s) : FID2B.ch
Acq On : 20 Oct 2025 3:25 am
Operator : rebeccak
Sample : op68149-ms2
Misc : op68149,g3z3747,45.3,,,2,1
ALS Vial : 41 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 21 08:52:05 2025
Quant Method : C:\msdchem\1\data\laylanie\G3Z3747\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Mon Oct 20 11:32:14 2025
Response via : Initial Calibration
Integrator: ChemStation

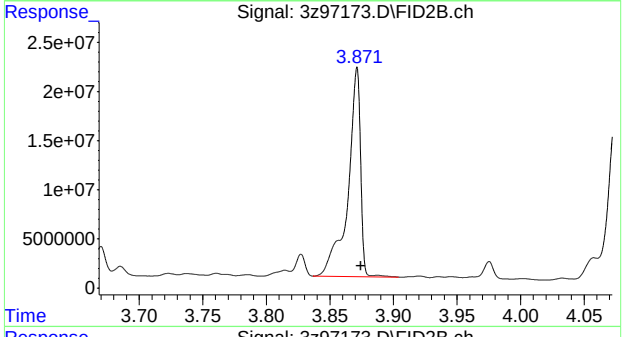
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





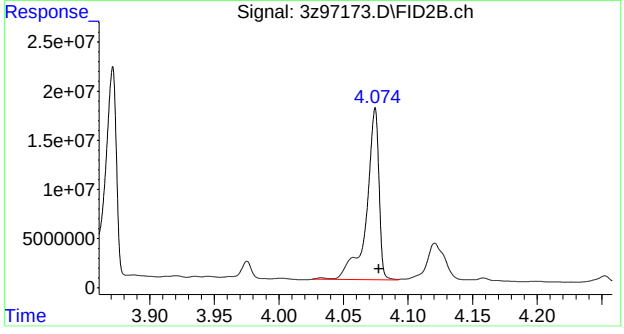
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 2798914262
Conc: 73.62 PPM



#6 o-TERPHENYL

R.T.: 3.871 min
Delta R.T.: -0.003 min
Response: 147889412
Conc: 2.82 PPM m



#7 5a-ANDROSTANE

R.T.: 4.074 min
Delta R.T.: -0.003 min
Response: 118412240
Conc: 2.33 PPM m

Manual Integration Approval Summary

Sample Number: OP68149-MS2
Lab FileID: 3Z97173.D
Injection Time: 10/20/25 03:25
Method: SW846 8015D
Analyst approved: 10/20/25 21:05 Laylanie Caunin
Supervisor approved: 10/22/25 01:28 Sarah Cruz

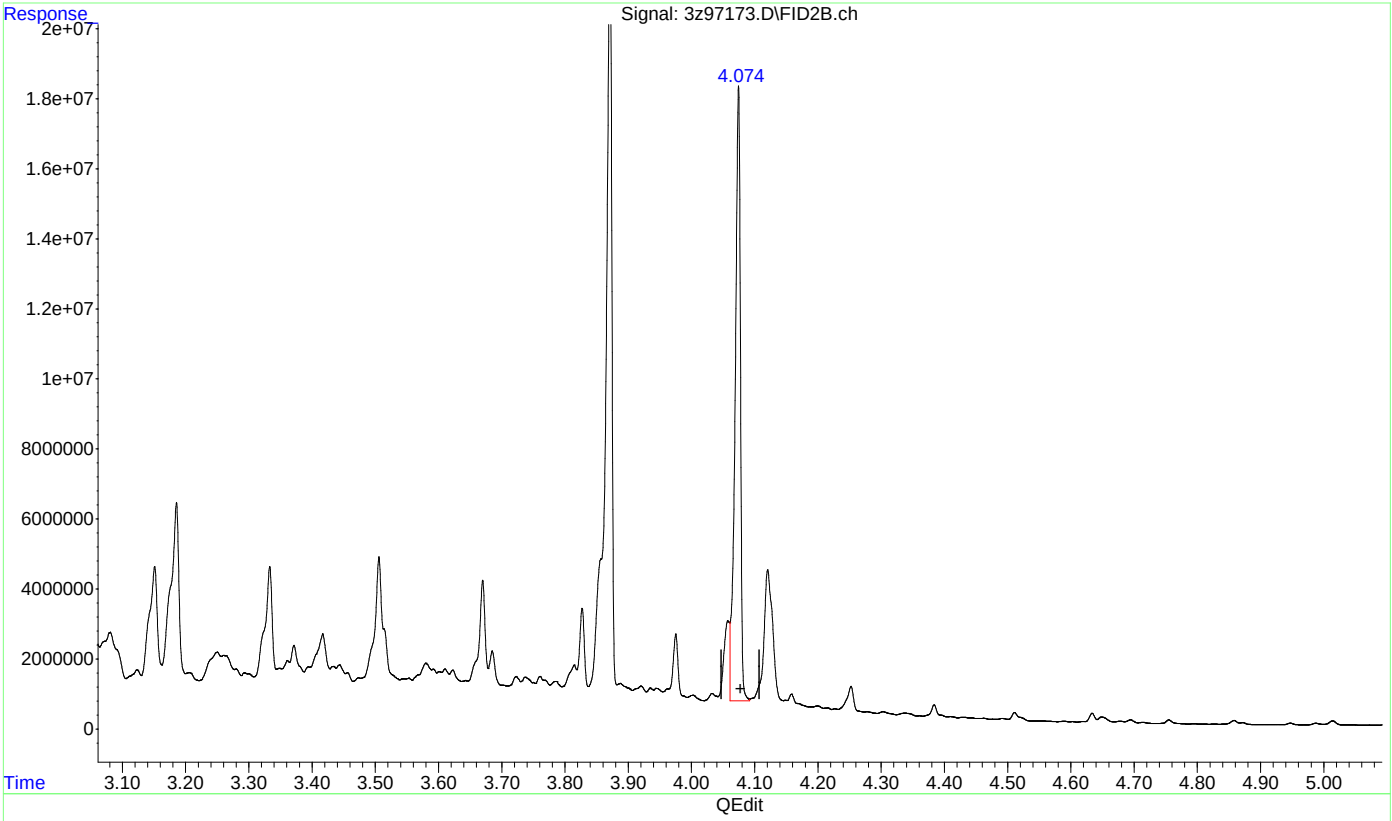
Parameter	CAS	Sig#	R.T. (min.)	Reason
o-Terphenyl	84-15-1	1	3.87	Poorly defined baseline
5a-Androstane	438-22-2	1	4.07	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\laylanie\G3Z3747\
Data File : 3z97173.D
Signal(s) : FID2B.ch
Acq On : 20 Oct 2025 3:25 am
Operator : rebeccak
Sample : op68149-ms2
Misc : op68149,g3z3747,45.3,,,2,1
ALS Vial : 41 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 21 06:45:13 2025
Quant Method : C:\msdchem\1\data\laylanie\G3Z3747\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Mon Oct 20 11:32:14 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.075min 2.025 PPM

response 103054603

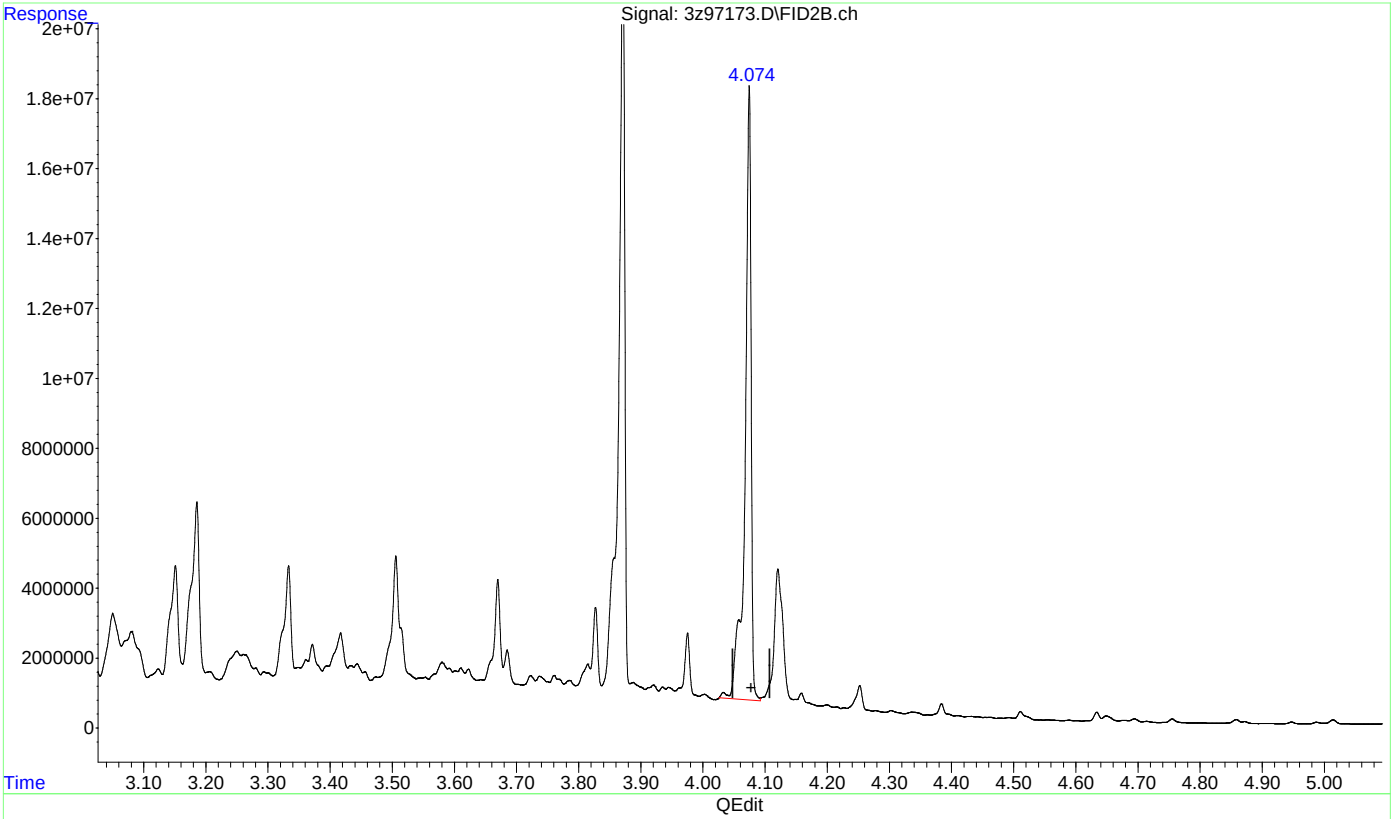
(+) = Expected Retention Time
DROLVI3Z3740.M Tue Oct 21 08:51:39 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\laylanie\G3Z3747\
Data File : 3z97173.D
Signal(s) : FID2B.ch
Acq On : 20 Oct 2025 3:25 am
Operator : rebeccak
Sample : op68149-ms2
Misc : op68149,g3z3747,45.3,,,2,1
ALS Vial : 41 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 21 06:45:13 2025
Quant Method : C:\msdchem\1\data\laylanie\G3Z3747\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Mon Oct 20 11:32:14 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.074min 2.327 PPM m

response 118412240

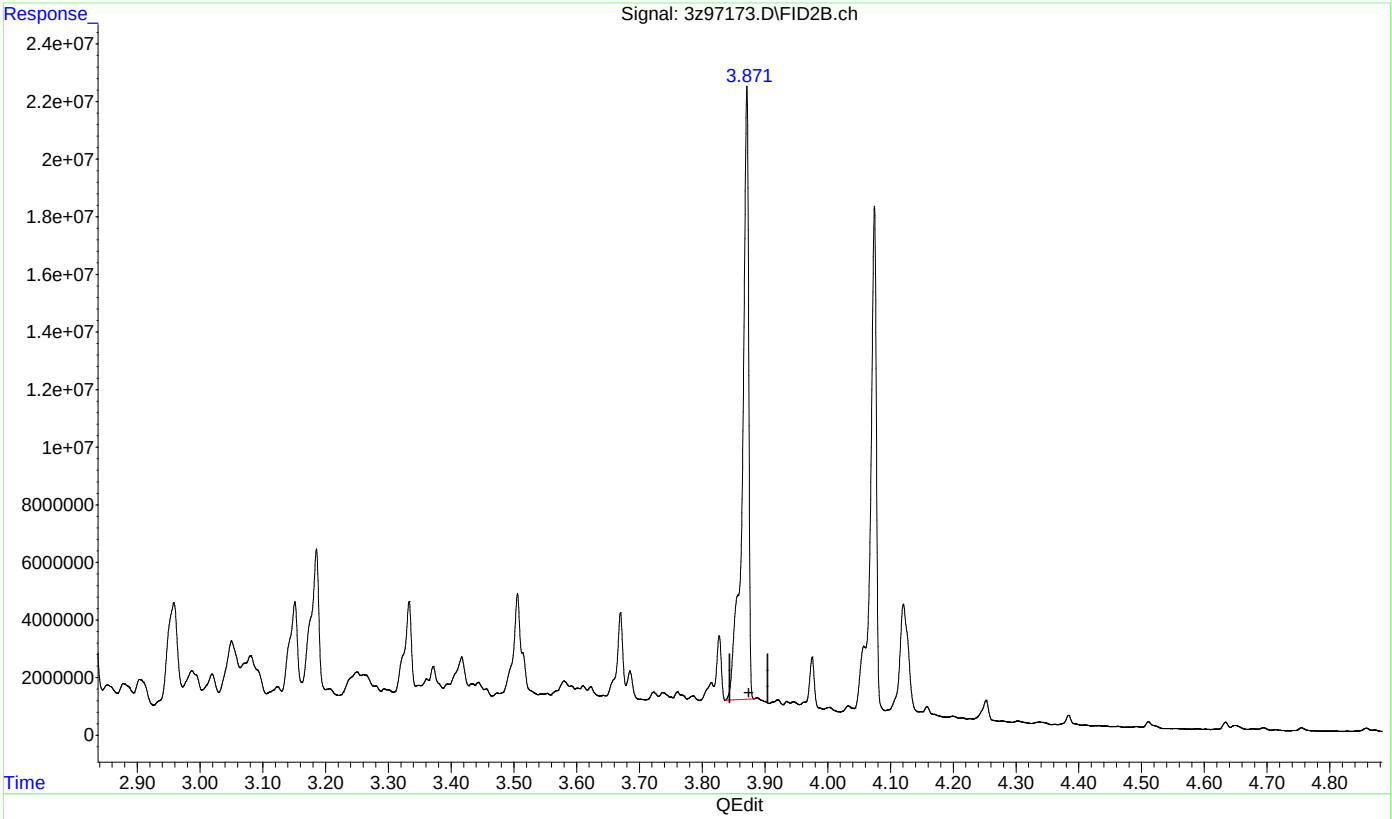
(+) = Expected Retention Time
DROLVI3Z3740.M Tue Oct 21 08:51:58 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\laylanie\G3Z3747\
Data File : 3z97173.D
Signal(s) : FID2B.ch
Acq On : 20 Oct 2025 3:25 am
Operator : rebeccak
Sample : op68149-ms2
Misc : op68149,g3z3747,45.3,,,2,1
ALS Vial : 41 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 21 06:45:13 2025
Quant Method : C:\msdchem\1\data\laylanie\G3Z3747\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Mon Oct 20 11:32:14 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.872min 2.769 PPM

response 145049615

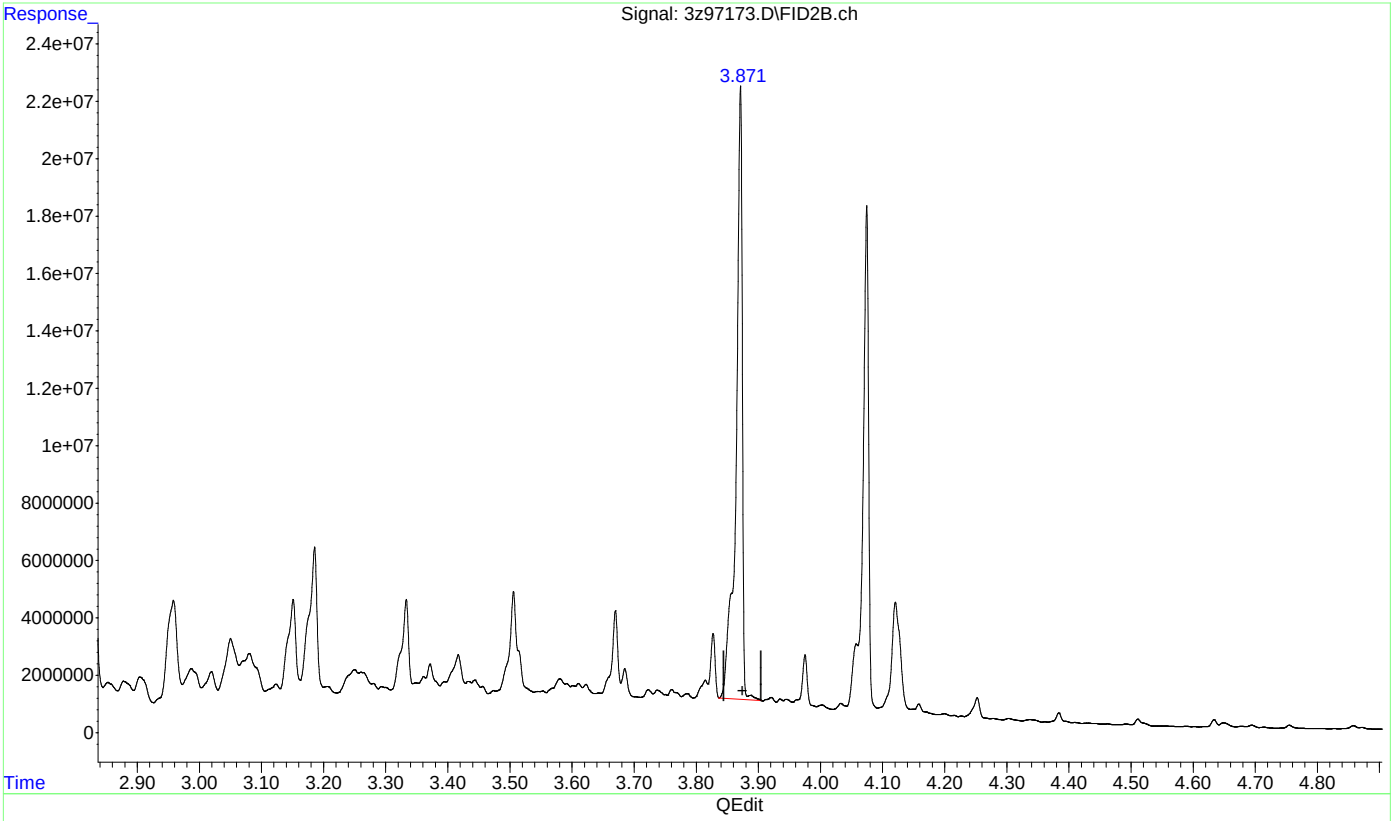
(+) = Expected Retention Time
DROLVI3Z3740.M Tue Oct 21 08:52:00 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\laylanie\G3Z3747\
Data File : 3z97173.D
Signal(s) : FID2B.ch
Acq On : 20 Oct 2025 3:25 am
Operator : rebeccak
Sample : op68149-ms2
Misc : op68149,g3z3747,45.3,,,2,1
ALS Vial : 41 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 21 06:45:13 2025
Quant Method : C:\msdchem\1\data\laylanie\G3Z3747\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Mon Oct 20 11:32:14 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.871min 2.823 PPM m

response 147889412

(+) = Expected Retention Time
DROLVI3Z3740.M Tue Oct 21 08:52:09 2025

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97022.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 9:41 am
Operator : claudiab
Sample : ic3745-2
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 132 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:04:32 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
Target Compounds			
1) H TPH-DRO	3.600	69196013	0.668 PPM

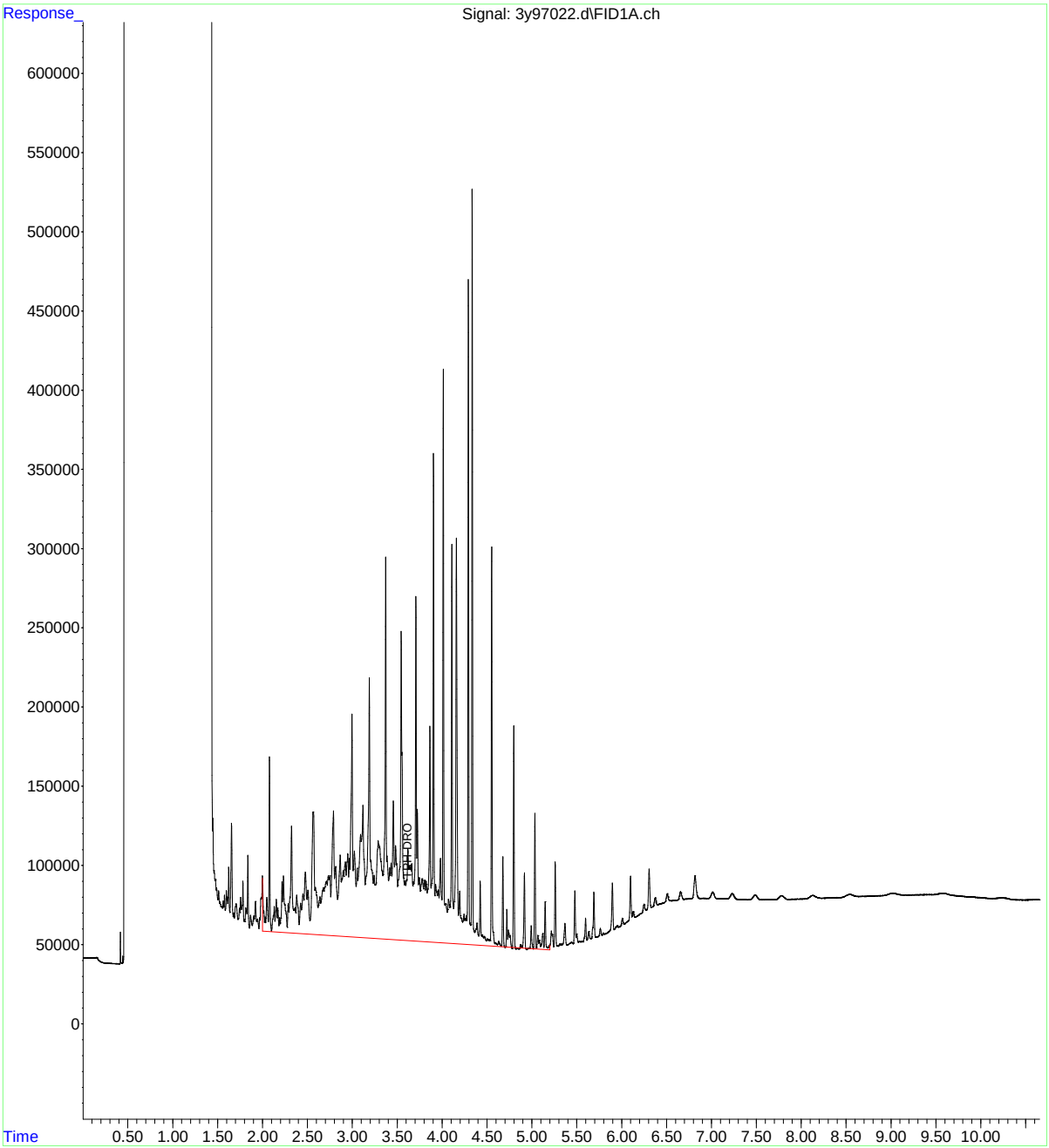
(f)=RT Delta > 1/2 Window (m)=manual int.

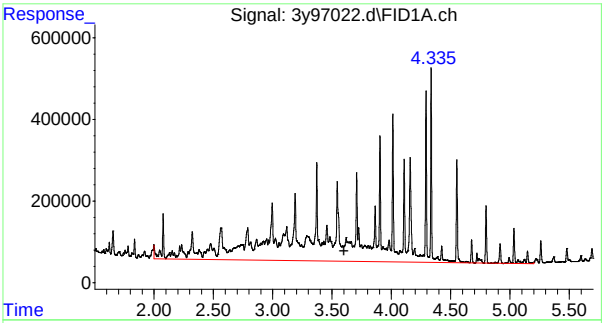
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97022.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 9:41 am
Operator : claudiab
Sample : ic3745-2
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 132 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:04:32 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

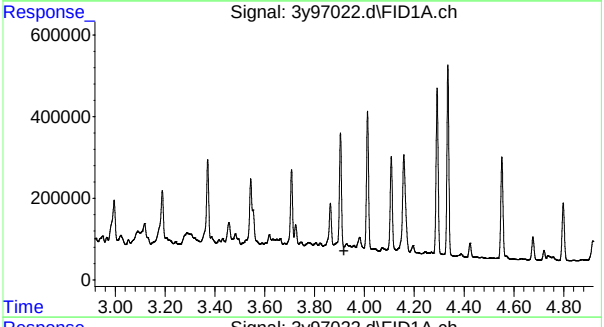
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





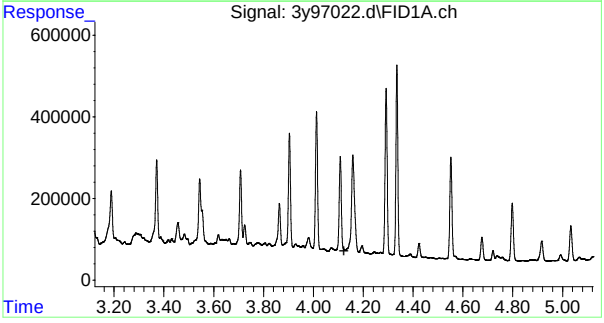
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 69196013
Conc: 0.67 PPM



#6 o-TERPHENYL

R.T.: 0.000 min
Exp R.T. : 3.918 min
Response: 0
Conc: N.D.



#7 5a-ANDROSTANE

R.T.: 0.000 min
Exp R.T. : 4.123 min
Response: 0
Conc: N.D.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97023.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 10:01 am
Operator : claudiab
Sample : ic3745-4
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 133 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:04:15 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
6) S	o-TERPHENYL	3.904	3236715	0.046 PPM
Spiked Amount	50.000		Recovery =	0.09%
7) S	5a-ANDROSTANE	4.108	2815059	0.044 PPM
Spiked Amount	50.000		Recovery =	0.09%
	Target Compounds			
1) H	TPH-DRO	3.600	133156978	1.960 PPM

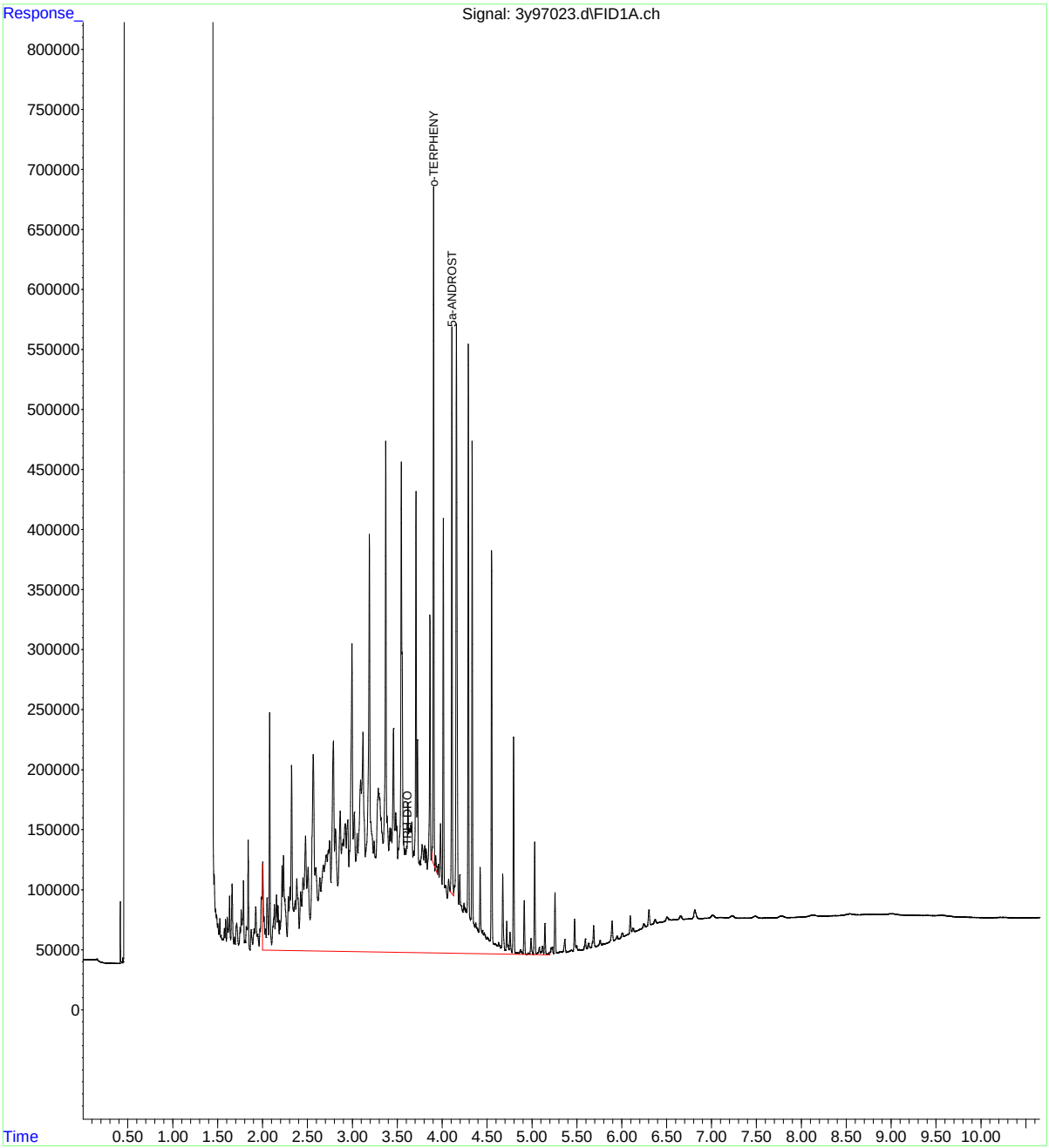
(f)=RT Delta > 1/2 Window (m)=manual int.

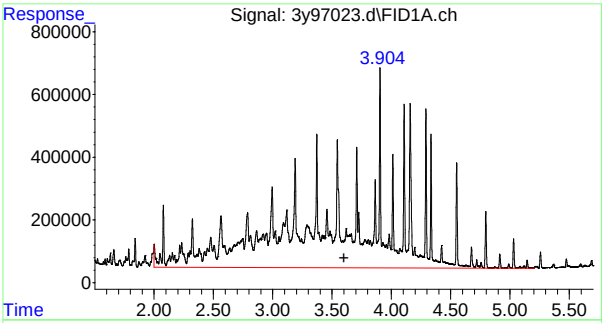
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97023.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 10:01 am
Operator : claudiab
Sample : ic3745-4
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 133 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:04:15 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

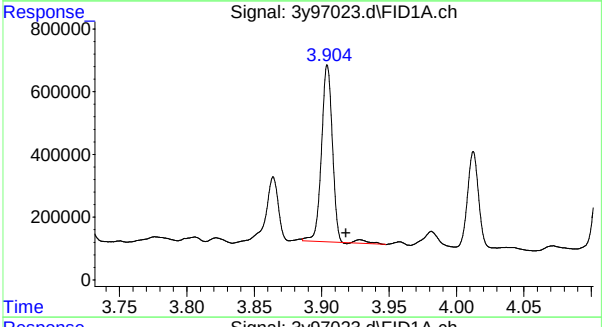
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





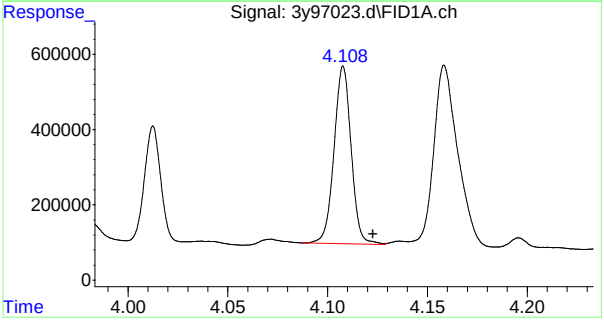
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 133156978
Conc: 1.96 PPM



#6 o-TERPHENYL

R.T.: 3.904 min
Delta R.T.: -0.013 min
Response: 3236715
Conc: 0.05 PPM



#7 5a-ANDROSTANE

R.T.: 4.108 min
Delta R.T.: -0.015 min
Response: 2815059
Conc: 0.04 PPM

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97024.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 10:20 am
Operator : claudiab
Sample : ic3745-10
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 134 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:03:59 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
6) S o-TERPHENYL	3.904	9199901	0.130 PPM
Spiked Amount 50.000		Recovery =	0.26%
7) S 5a-ANDROSTANE	4.107f	8190109	0.127 PPM
Spiked Amount 50.000		Recovery =	0.25%
Target Compounds			
1) H TPH-DRO	3.600	327407314	5.888 PPM

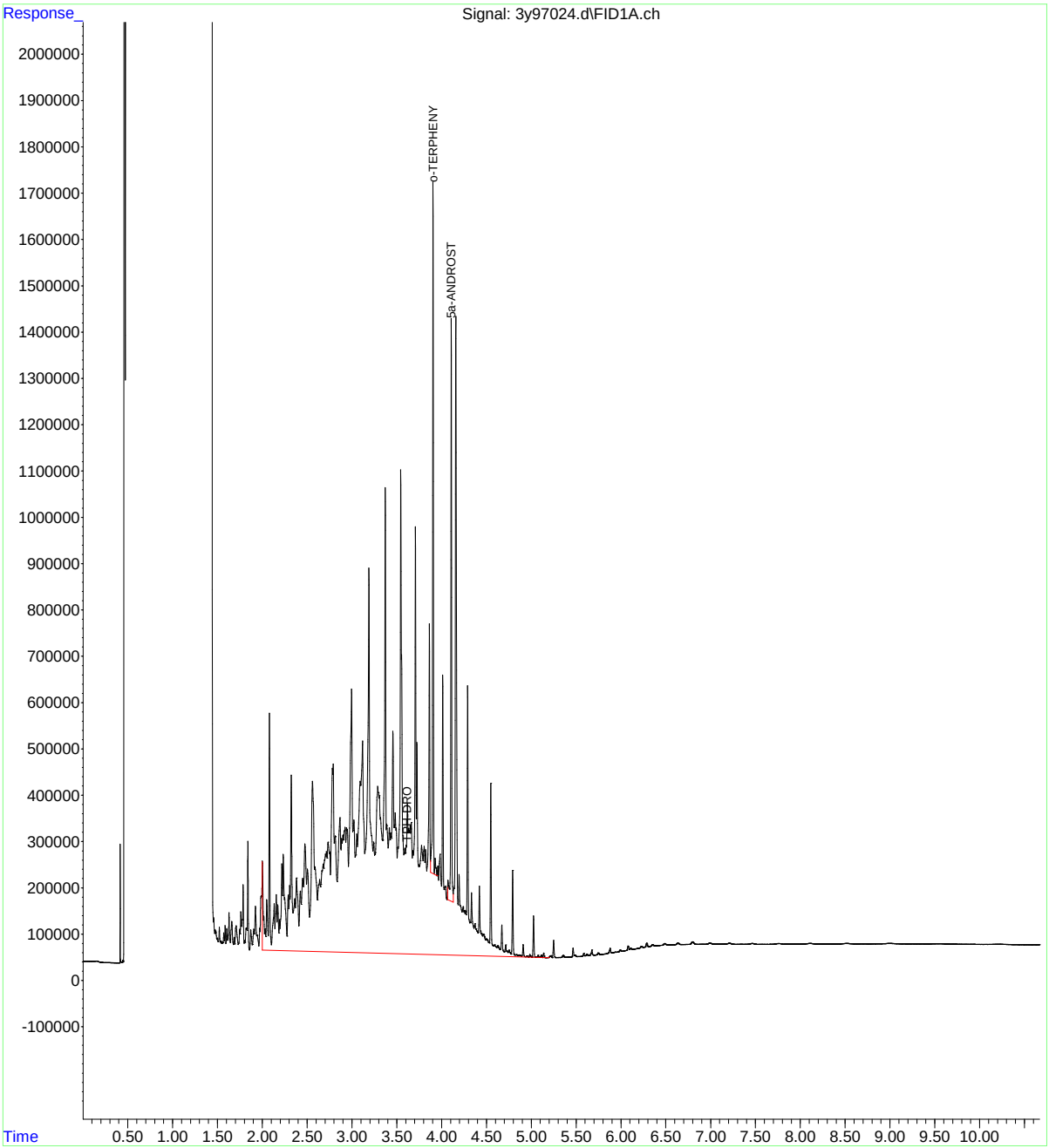
(f)=RT Delta > 1/2 Window (m)=manual int.

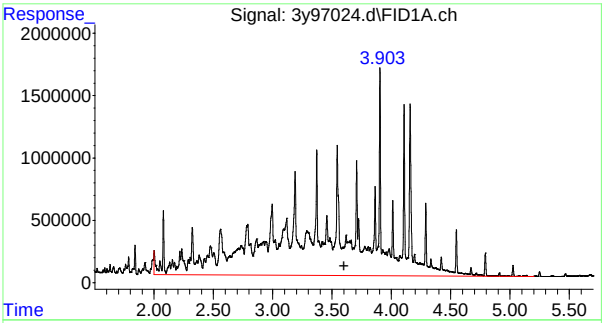
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97024.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 10:20 am
Operator : claudiab
Sample : ic3745-10
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 134 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:03:59 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

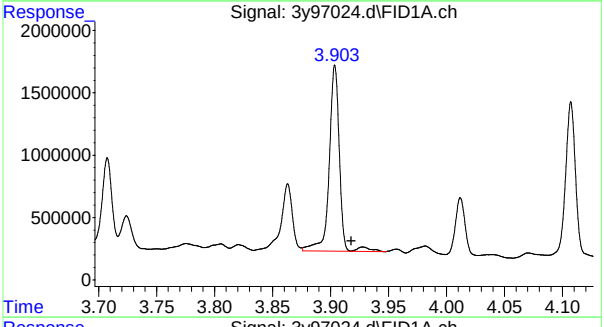
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





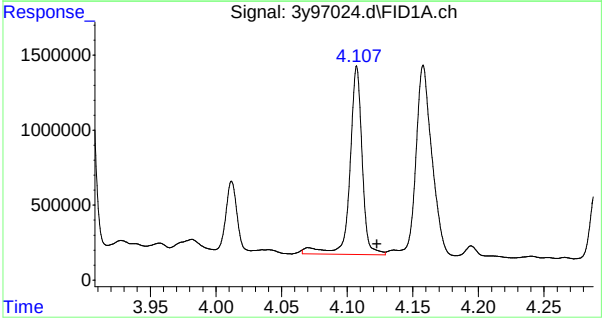
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 327407314
Conc: 5.89 PPM



#6 o-TERPHENYL

R.T.: 3.904 min
Delta R.T.: -0.014 min
Response: 9199901
Conc: 0.13 PPM



#7 5a-ANDROSTANE

R.T.: 4.107 min
Delta R.T.: -0.015 min
Response: 8190109
Conc: 0.13 PPM

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97025.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 10:40 am
Operator : claudiab
Sample : ic3745-20
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 135 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:00:31 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
6) S	o-TERPHENYL	3.906	17405115	0.246 PPM
Spiked Amount	50.000		Recovery =	0.49%
7) S	5a-ANDROSTANE	4.109	14649715	0.227 PPM
Spiked Amount	50.000		Recovery =	0.45%
	Target Compounds			
1) H	TPH-DRO	3.600	652639623	12.465 PPM

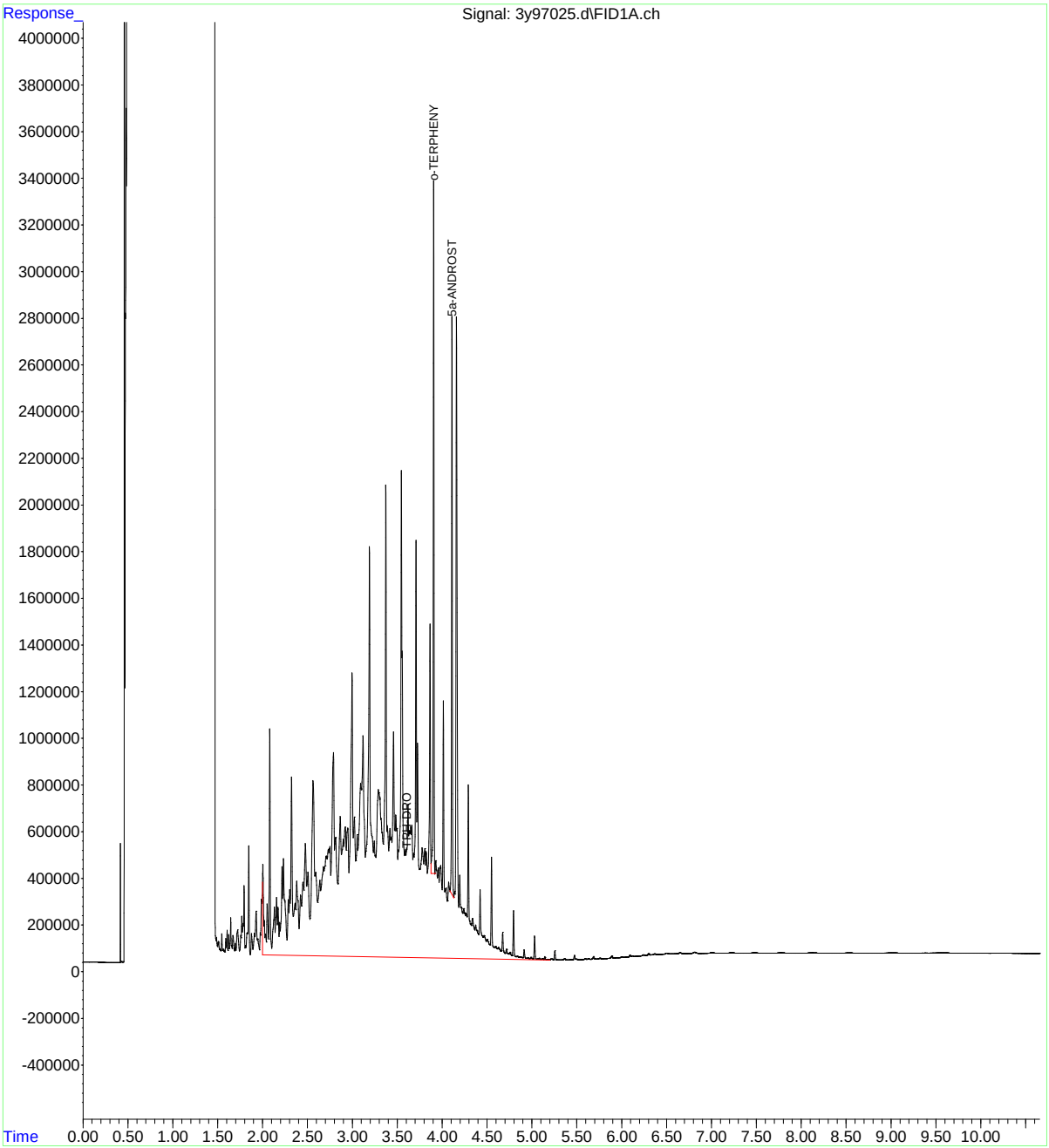
(f)=RT Delta > 1/2 Window (m)=manual int.

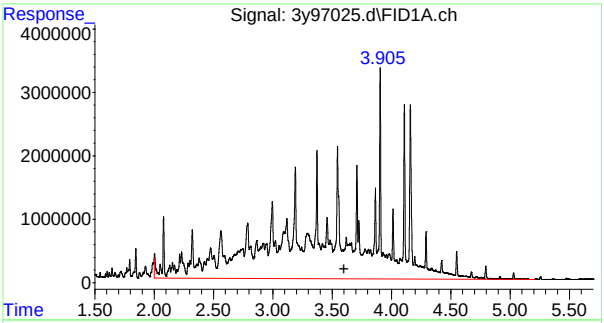
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97025.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 10:40 am
Operator : claudiab
Sample : ic3745-20
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 135 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:00:31 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

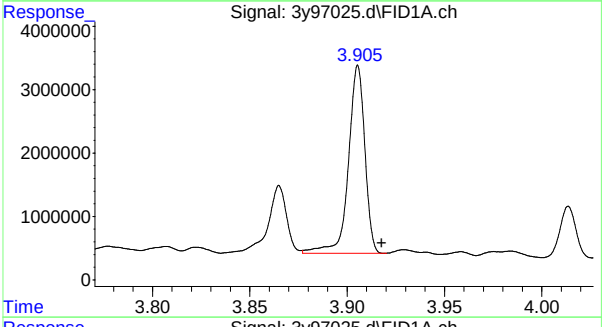
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





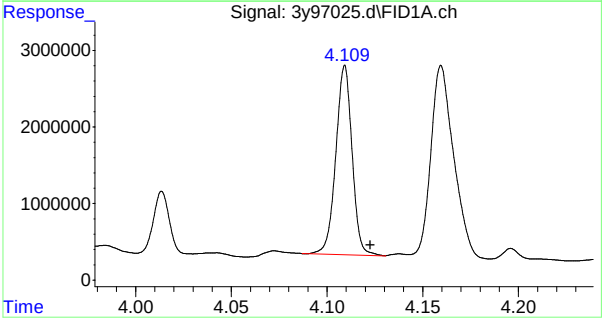
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 652639623
Conc: 12.47 PPM



#6 o-TERPHENYL

R.T.: 3.906 min
Delta R.T.: -0.012 min
Response: 17405115
Conc: 0.25 PPM



#7 5a-ANDROSTANE

R.T.: 4.109 min
Delta R.T.: -0.013 min
Response: 14649715
Conc: 0.23 PPM

Manual Integrations APPROVED (compounds with "m" flag)
Gwendolyn Burns 10/25/25 12:13

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97026.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 11:00 am
Operator : claudiab
Sample : ic3745-40
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 136 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:00:54 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
6) S o-TERPHENYL	3.905	34285624	0.485	PPM	m
Spiked Amount 50.000		Recovery = 0.97%			
7) S 5a-ANDROSTANE	4.110	31004308	0.481	PPM	
Spiked Amount 50.000		Recovery = 0.96%			
Target Compounds					
1) H TPH-DRO	3.600	1292790640	25.420	PPM	

(f)=RT Delta > 1/2 Window (m)=manual int.

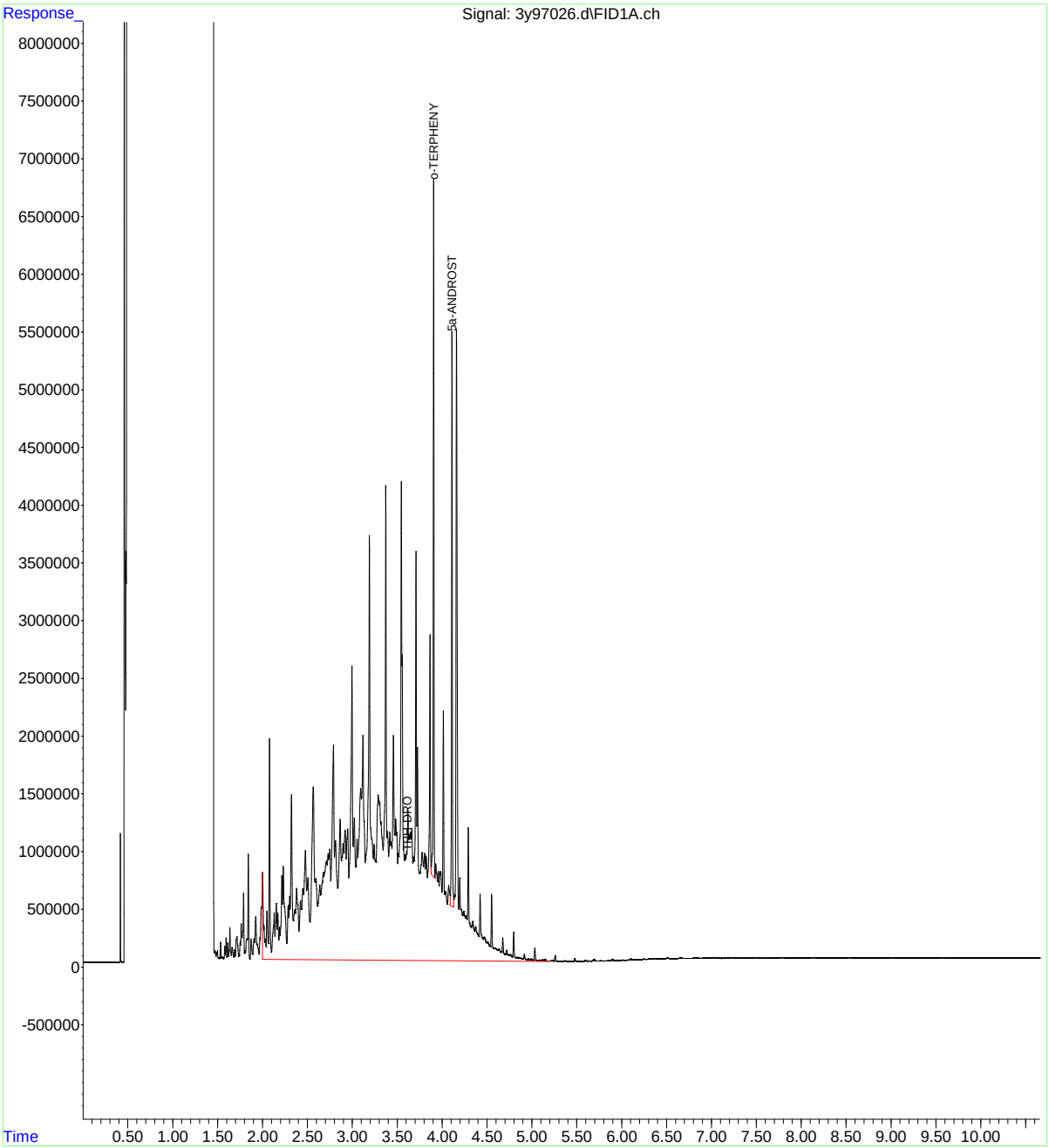
13.5.5 13

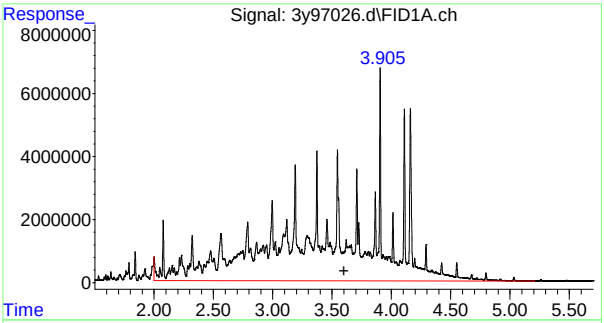
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97026.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 11:00 am
Operator : claudiab
Sample : ic3745-40
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 136 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:00:54 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

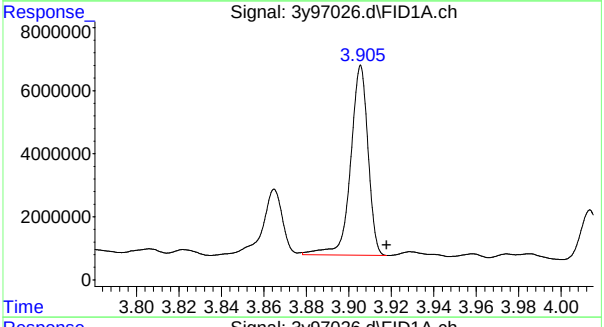
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





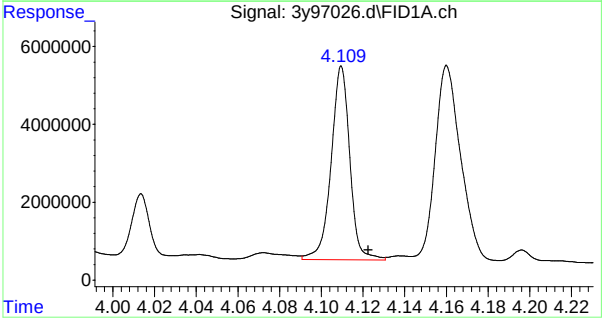
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 1292790640
Conc: 25.42 PPM



#6 o-TERPHENYL

R.T.: 3.905 min
Delta R.T.: -0.012 min
Response: 34285624
Conc: 0.49 PPM m



#7 5a-ANDROSTANE

R.T.: 4.110 min
Delta R.T.: -0.013 min
Response: 31004308
Conc: 0.48 PPM

Manual Integration Approval Summary

Sample Number: G3Y3745-ICC3745
Lab FileID: 3Y97026.D
Injection Time: 10/17/25 11:00
Method: SW846 8015D
Analyst approved: 10/25/25 12:07 Gwendolyn Burns
Supervisor approved: 10/25/25 12:13 Gwendolyn Burns

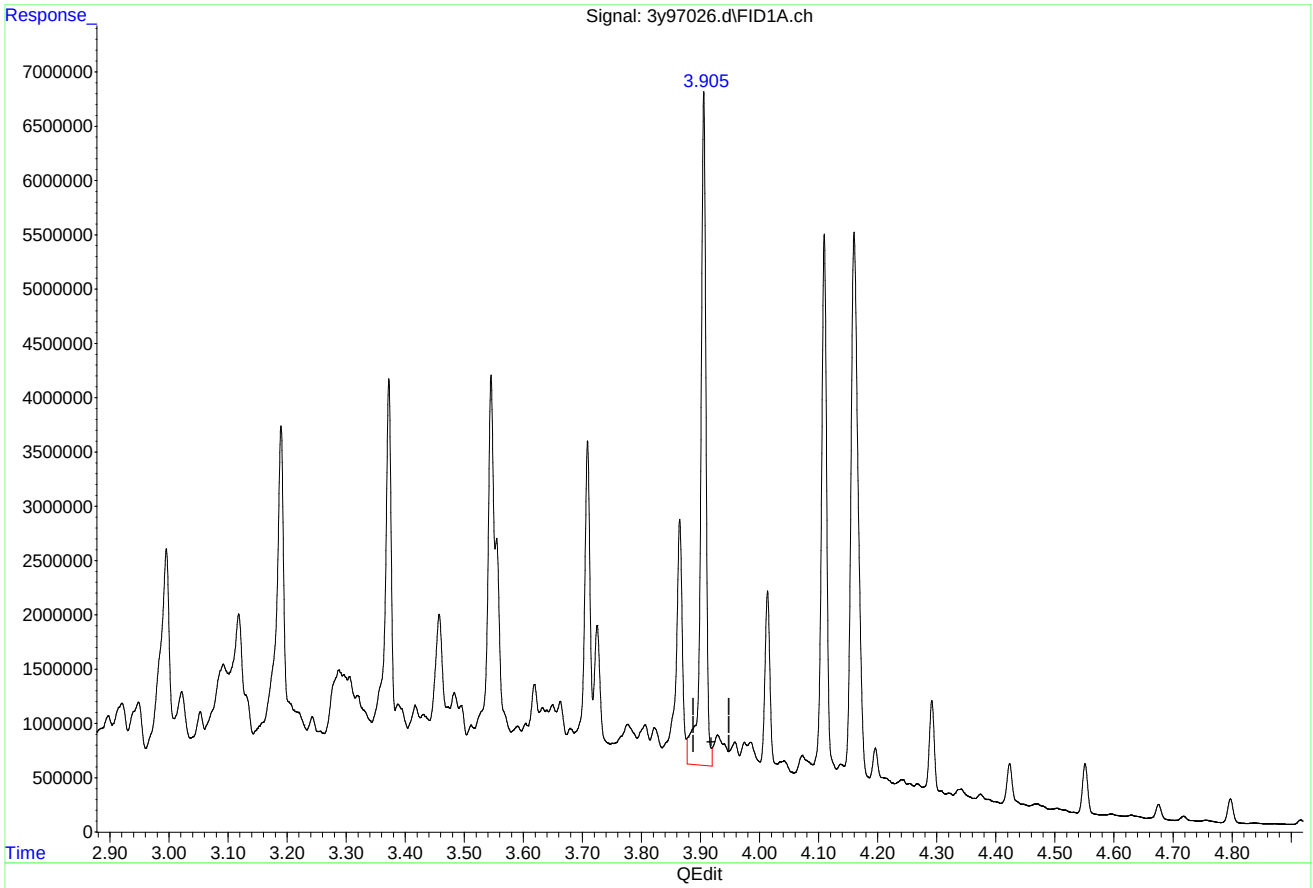
Parameter	CAS	Sig#	R.T. (min.)	Reason
o-Terphenyl	84-15-1	1	3.91	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97026.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 11:00 am
Operator : claudiab
Sample : ic3745-40
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 136 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:00:41 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.906min 0.547 PPM

response 38647313

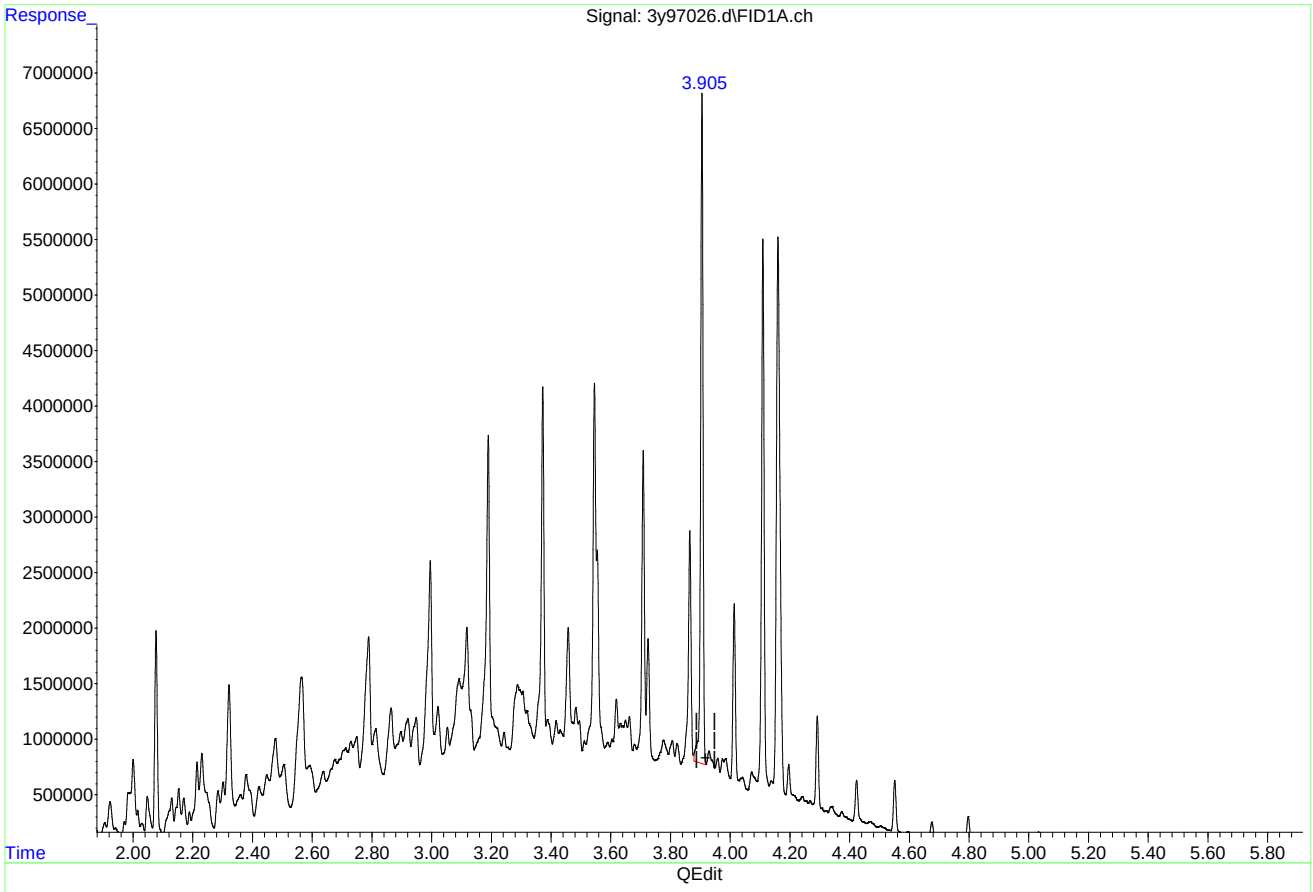
(+) = Expected Retention Time
DROLVI3y3745.M Fri Oct 17 14:00:50 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97026.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 11:00 am
Operator : claudiab
Sample : ic3745-40
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 136 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:00:41 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.905min 0.485 PPM m

response 34285624

(+) = Expected Retention Time
DROLVI3y3745.M Fri Oct 17 14:00:56 2025 Page: 1

Manual Integrations APPROVED (compounds with "m" flag)
Gwendolyn Burns 10/25/25 12:13

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97027.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 11:20 am
Operator : claudiab
Sample : ic3745-100
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 137 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:01:25 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
6) S o-TERPHENYL	3.907	92323723	1.307	PPM	m
Spiked Amount 50.000		Recovery = 2.61%			
7) S 5a-ANDROSTANE	4.112	82527841	1.280	PPM	m
Spiked Amount 50.000		Recovery = 2.56%			
Target Compounds					
1) H TPH-DRO	3.600	3389808656	67.936	PPM	

(f)=RT Delta > 1/2 Window (m)=manual int.

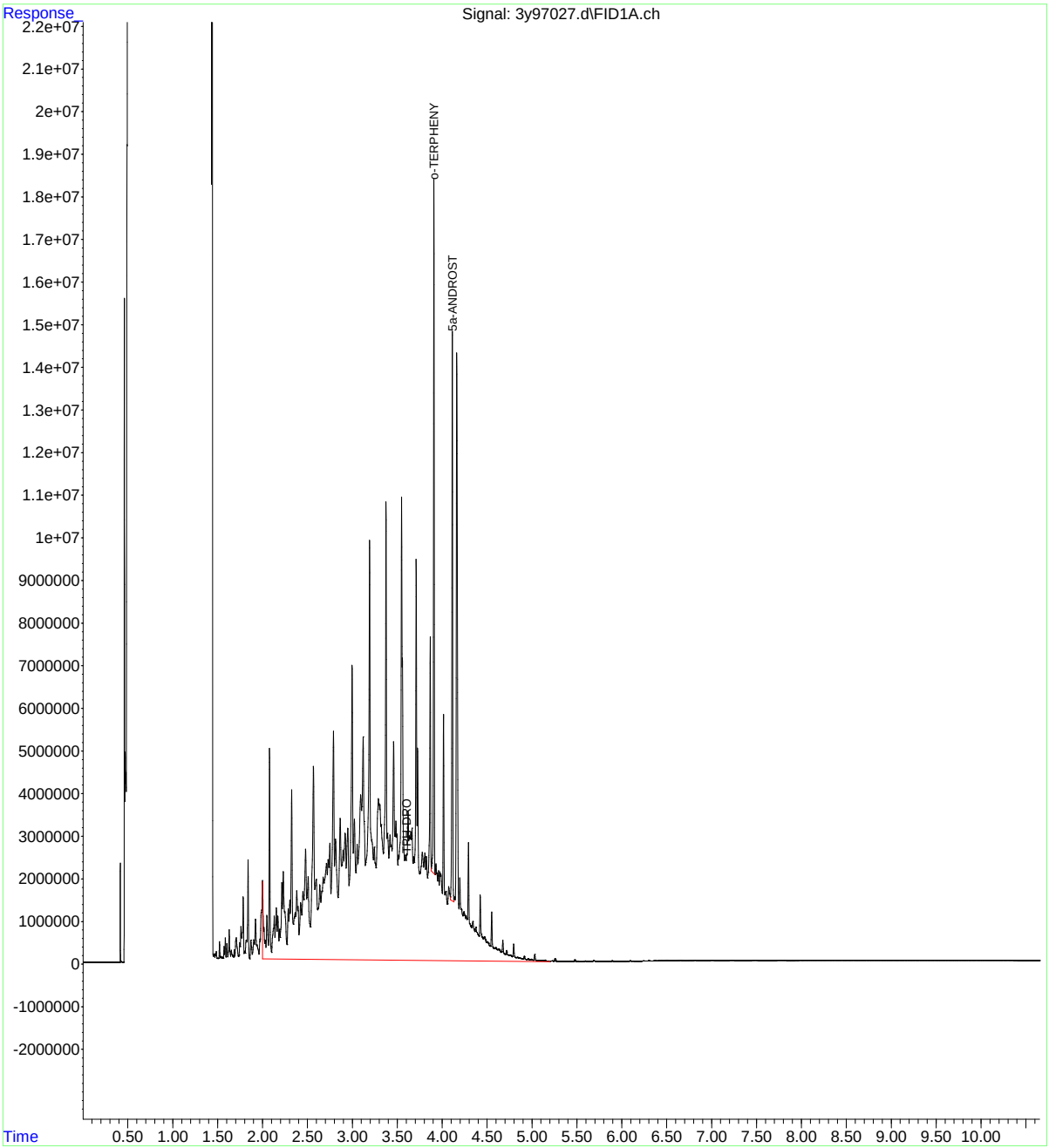
13.5.6
13

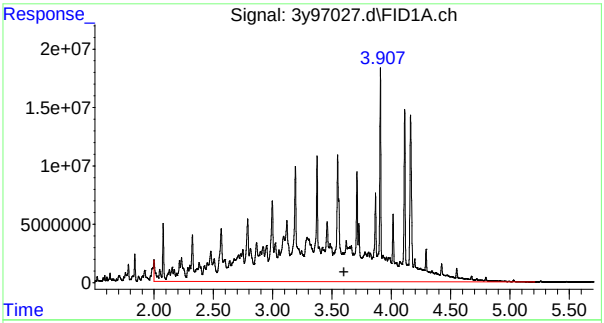
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97027.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 11:20 am
Operator : claudiab
Sample : ic3745-100
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 137 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:01:25 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

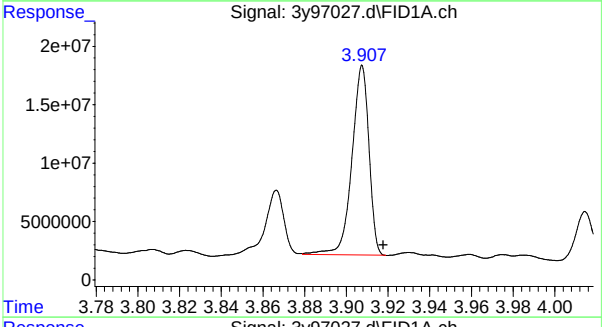
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





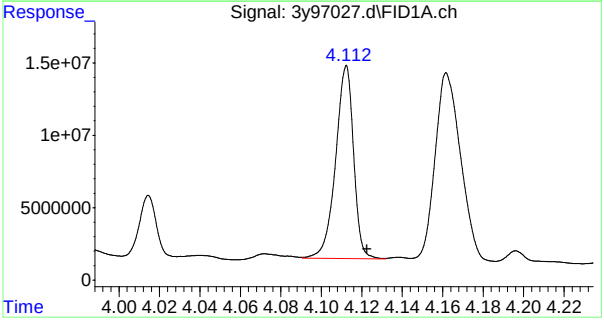
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 3389808656
Conc: 67.94 PPM



#6 o-TERPHENYL

R.T.: 3.907 min
Delta R.T.: -0.010 min
Response: 92323723
Conc: 1.31 PPM m



#7 5a-ANDROSTANE

R.T.: 4.112 min
Delta R.T.: -0.010 min
Response: 82527841
Conc: 1.28 PPM m

Manual Integration Approval Summary

Sample Number: G3Y3745-IC3745
Lab FileID: 3Y97027.D
Injection Time: 10/17/25 11:20
Method: SW846 8015D
Analyst approved: 10/18/25 23:12 Rebecca Krug
Supervisor approved: 10/25/25 12:13 Gwendolyn Burns

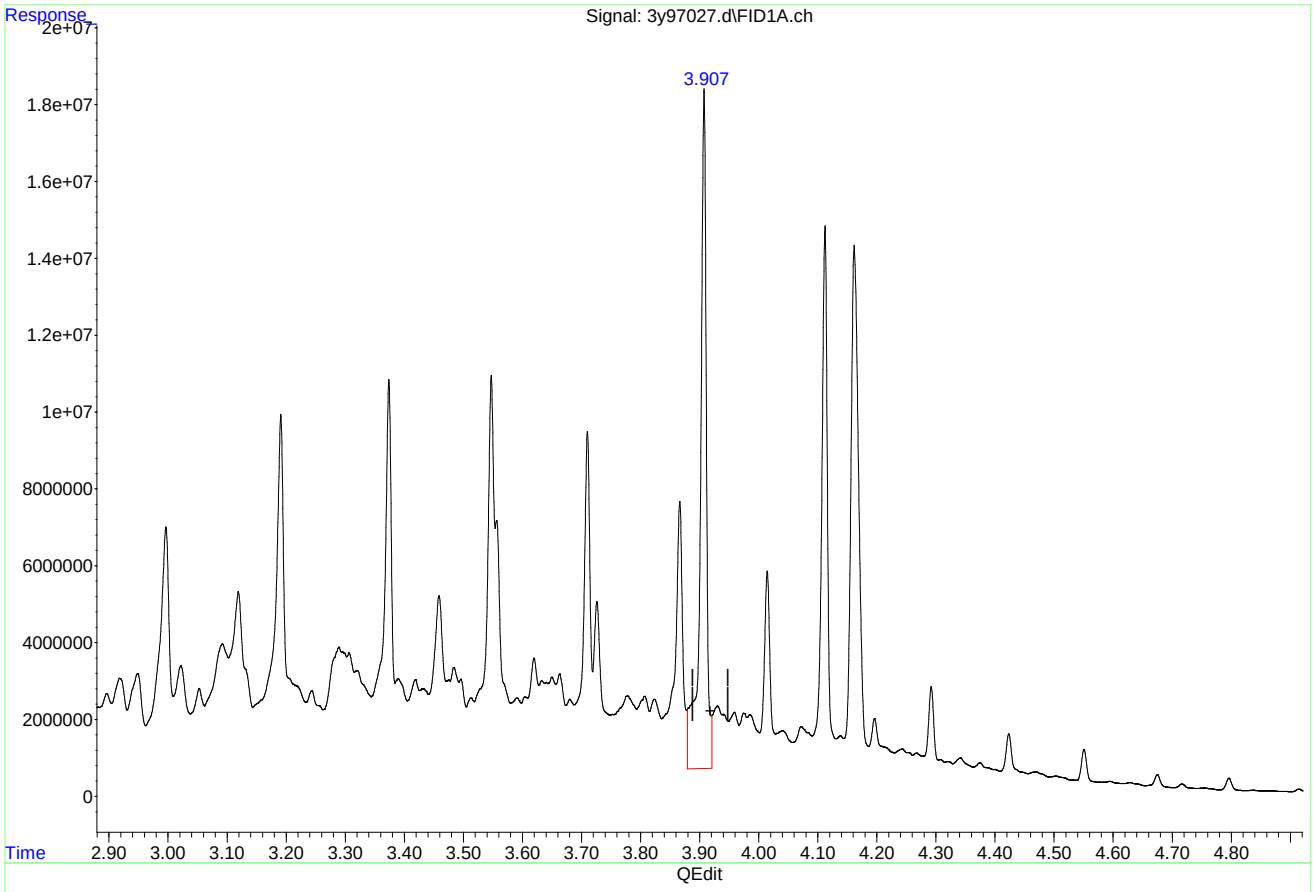
Parameter	CAS	Sig#	R.T. (min.)	Reason
o-Terphenyl	84-15-1	1	3.91	Poorly defined baseline
5a-Androstane	438-22-2	1	4.11	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97027.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 11:20 am
Operator : claudiab
Sample : ic3745-100
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 137 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:01:08 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.908min 1.811 PPM

response 127897560

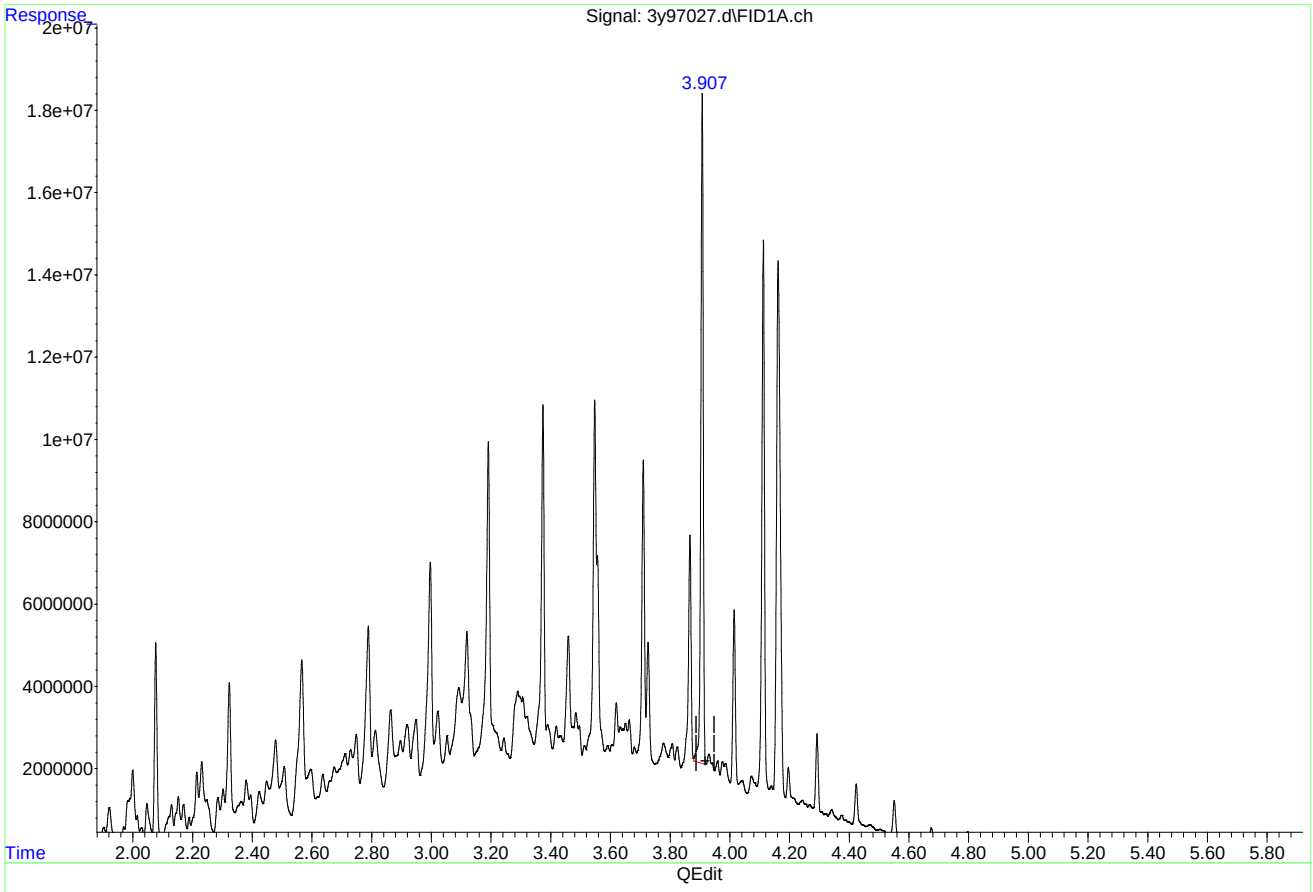
(+) = Expected Retention Time
DROLVI3y3745.M Fri Oct 17 14:01:16 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97027.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 11:20 am
Operator : claudiab
Sample : ic3745-100
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 137 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:01:08 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.907min 1.307 PPM m

response 92323723

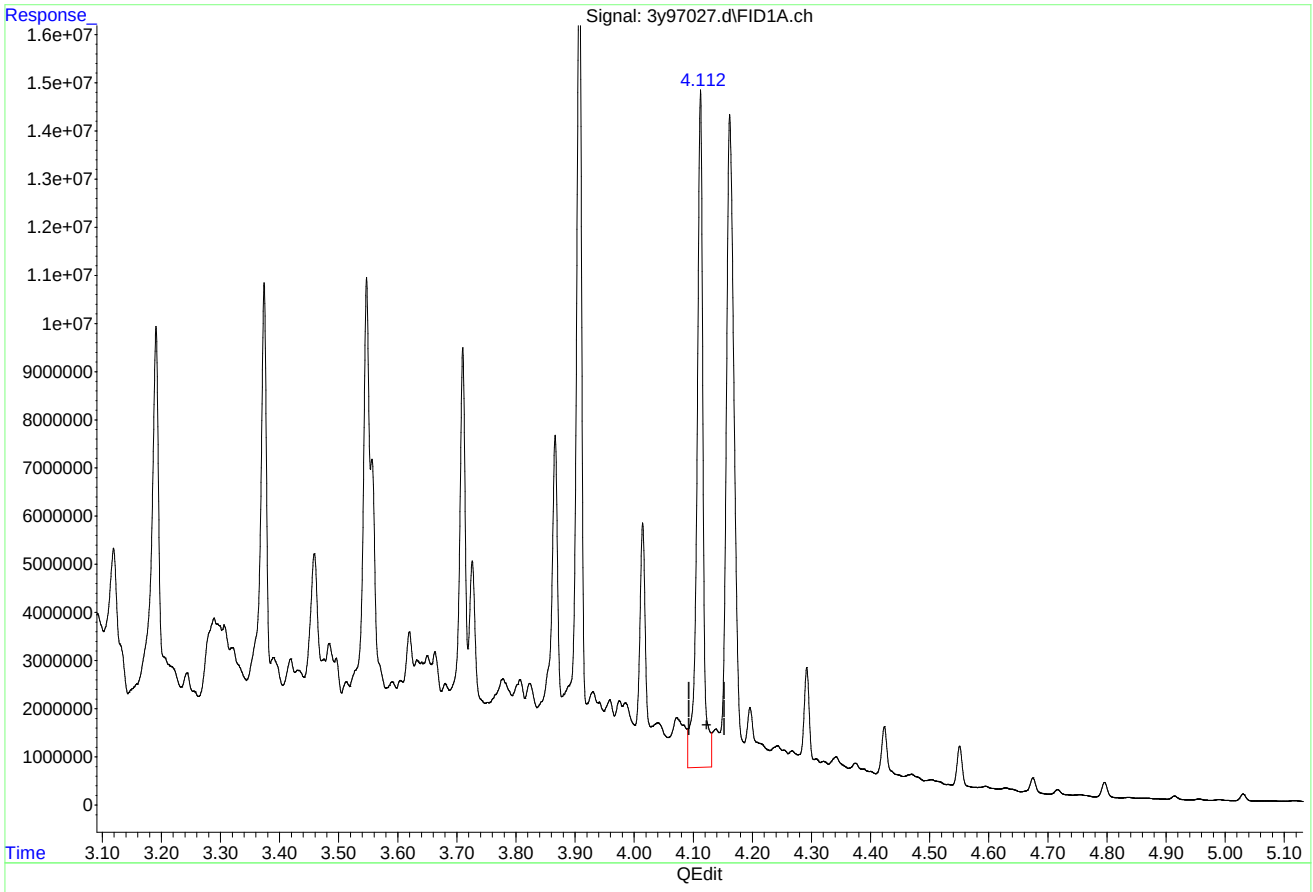
(+) = Expected Retention Time
DROLVI3y3745.M Fri Oct 17 14:01:20 2025 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97027.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 11:20 am
Operator : claudiab
Sample : ic3745-100
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 137 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:01:08 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.112min 1.546 PPM

response 99694553

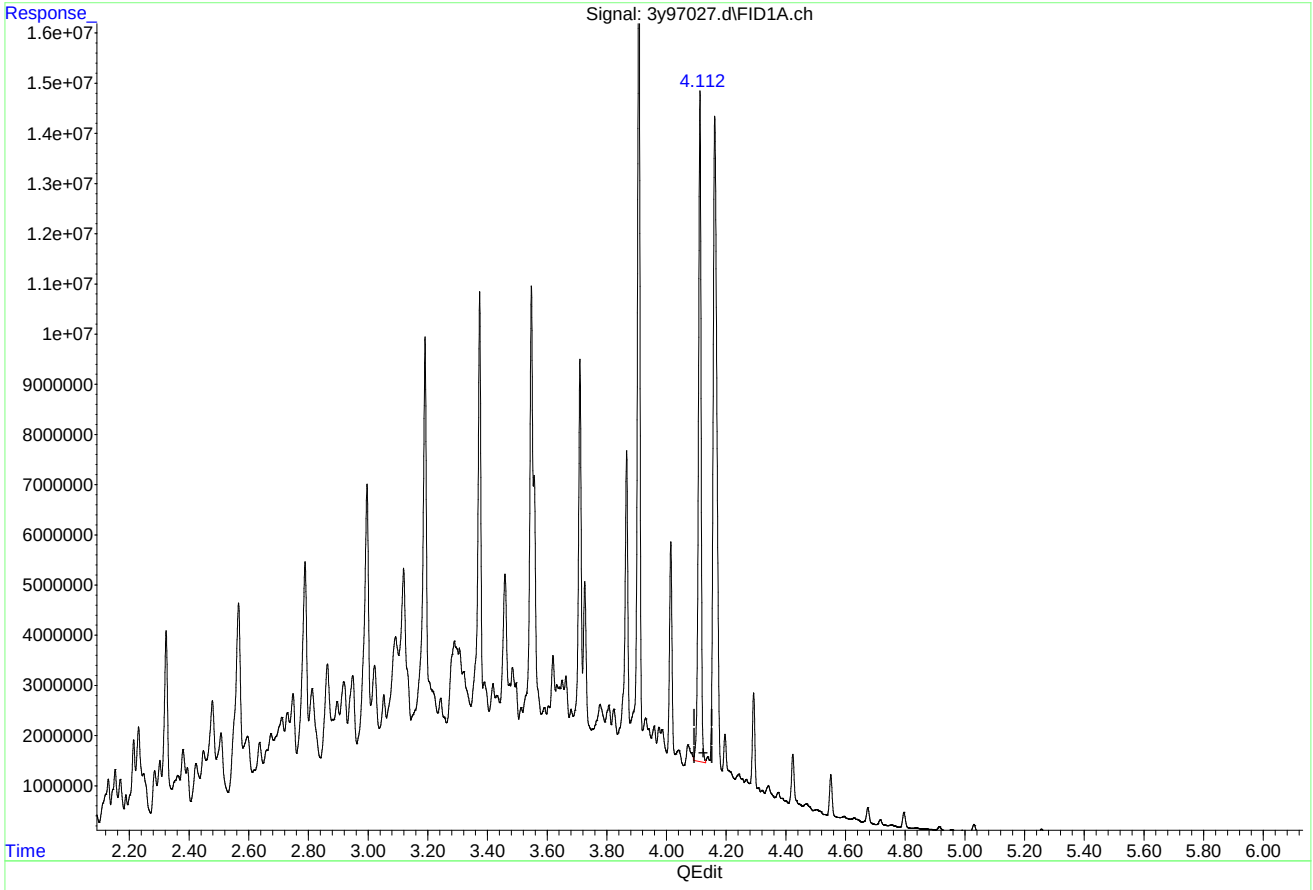
(+) = Expected Retention Time
DROLVI3y3745.M Fri Oct 17 14:01:23 2025 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97027.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 11:20 am
Operator : claudiab
Sample : ic3745-100
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 137 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:01:08 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.112min 1.280 PPM m

response 82527841

(+) = Expected Retention Time
DROLVI3y3745.M Fri Oct 17 14:01:27 2025

3Y97028.D

Manual Integrations APPROVED (compounds with "m" flag)

Gwendolyn Burns 10/25/25 12:13

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97028.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 11:40 am
Operator : claudiab
Sample : ic3745-200
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 138 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:01:54 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
6) S o-TERPHENYL	3.913	206356929	2.922	PPM	m
Spiked Amount 50.000		Recovery = 5.84%			
7) S 5a-ANDROSTANE	4.118	180618165	2.802	PPM	m
Spiked Amount 50.000		Recovery = 5.60%			
Target Compounds					
1) H TPH-DRO	3.600	7239306246	146.292	PPM	

(f)=RT Delta > 1/2 Window (m)=manual int.

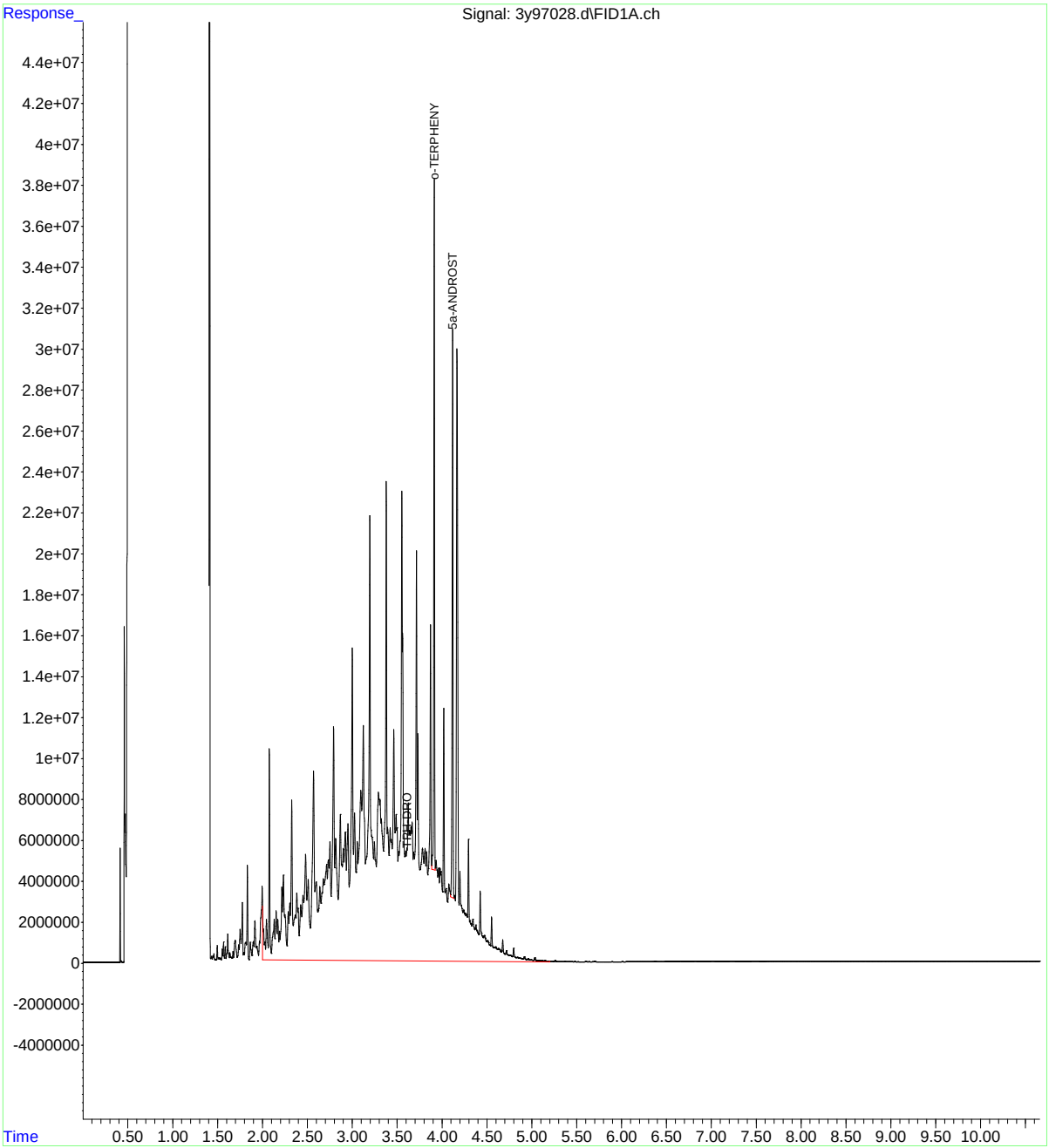
13.5.7 13

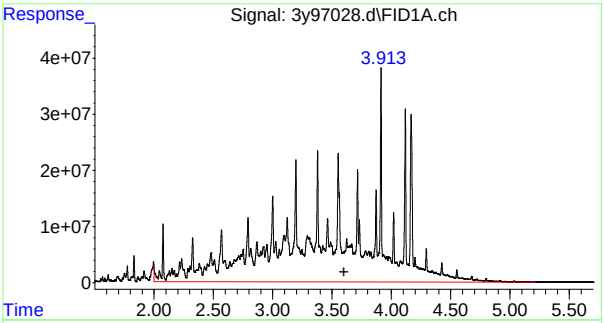
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97028.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 11:40 am
Operator : claudiab
Sample : ic3745-200
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 138 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:01:54 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

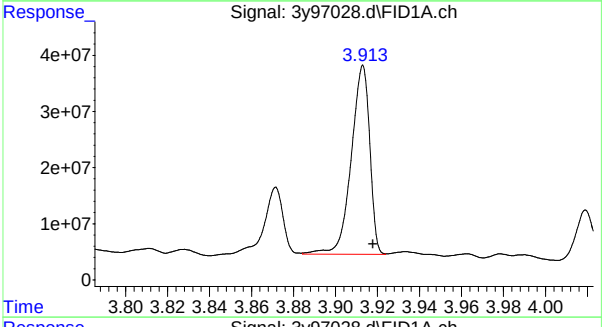
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





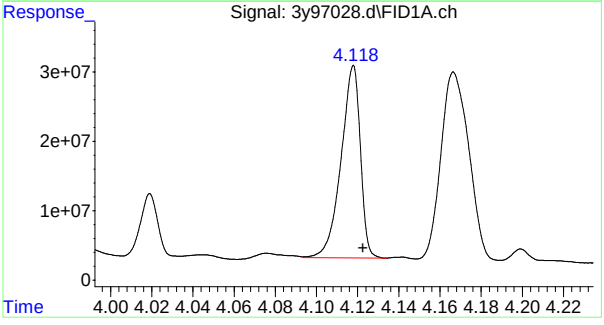
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 7239306246
Conc: 146.29 PPM



#6 o-TERPHENYL

R.T.: 3.913 min
Delta R.T.: -0.005 min
Response: 206356929
Conc: 2.92 PPM m



#7 5a-ANDROSTANE

R.T.: 4.118 min
Delta R.T.: -0.005 min
Response: 180618165
Conc: 2.80 PPM m

Manual Integration Approval Summary

Sample Number: G3Y3745-IC3745
Lab FileID: 3Y97028.D
Injection Time: 10/17/25 11:40
Method: SW846 8015D
Analyst approved: 10/18/25 23:12 Rebecca Krug
Supervisor approved: 10/25/25 12:13 Gwendolyn Burns

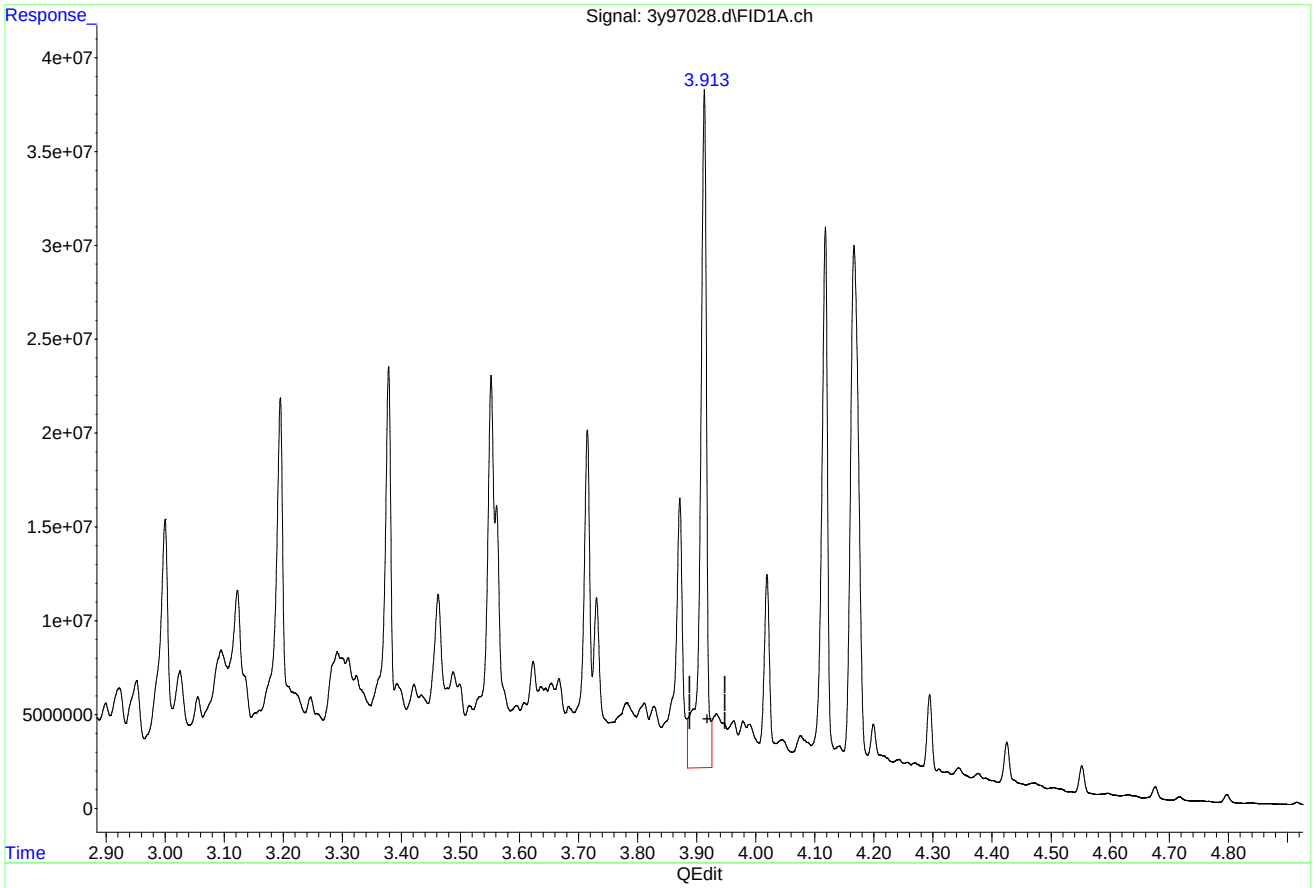
Parameter	CAS	Sig#	R.T. (min.)	Reason
o-Terphenyl	84-15-1	1	3.91	Poorly defined baseline
5a-Androstane	438-22-2	1	4.12	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97028.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 11:40 am
Operator : claudiab
Sample : ic3745-200
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 138 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:01:38 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.913min 3.774 PPM

response 266590751

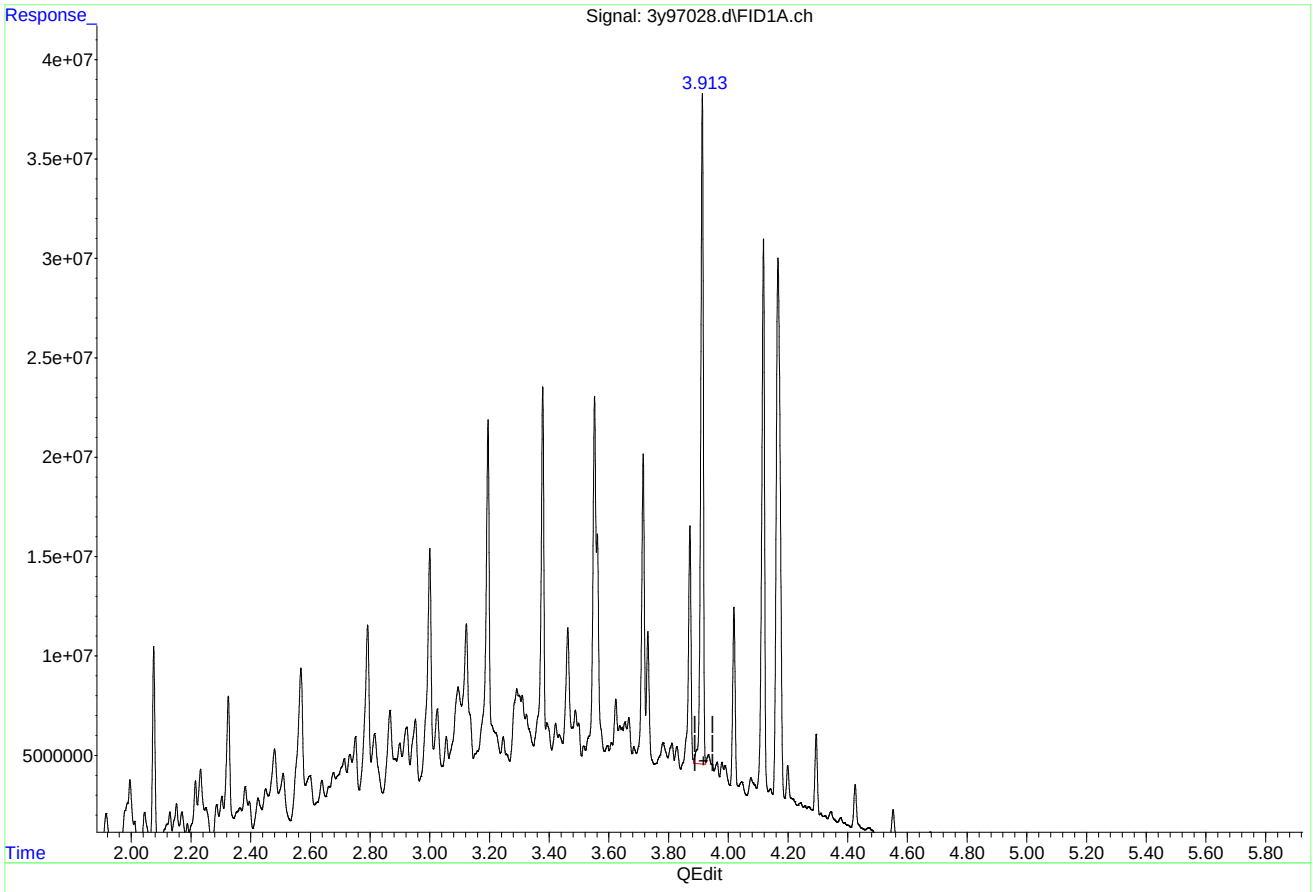
(+) = Expected Retention Time
DROLVI3y3745.M Fri Oct 17 14:01:45 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97028.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 11:40 am
Operator : claudiab
Sample : ic3745-200
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 138 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:01:38 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.913min 2.922 PPM m

response 206356929

(+) = Expected Retention Time
DROLVI3y3745.M Fri Oct 17 14:01:49 2025 Page: 1

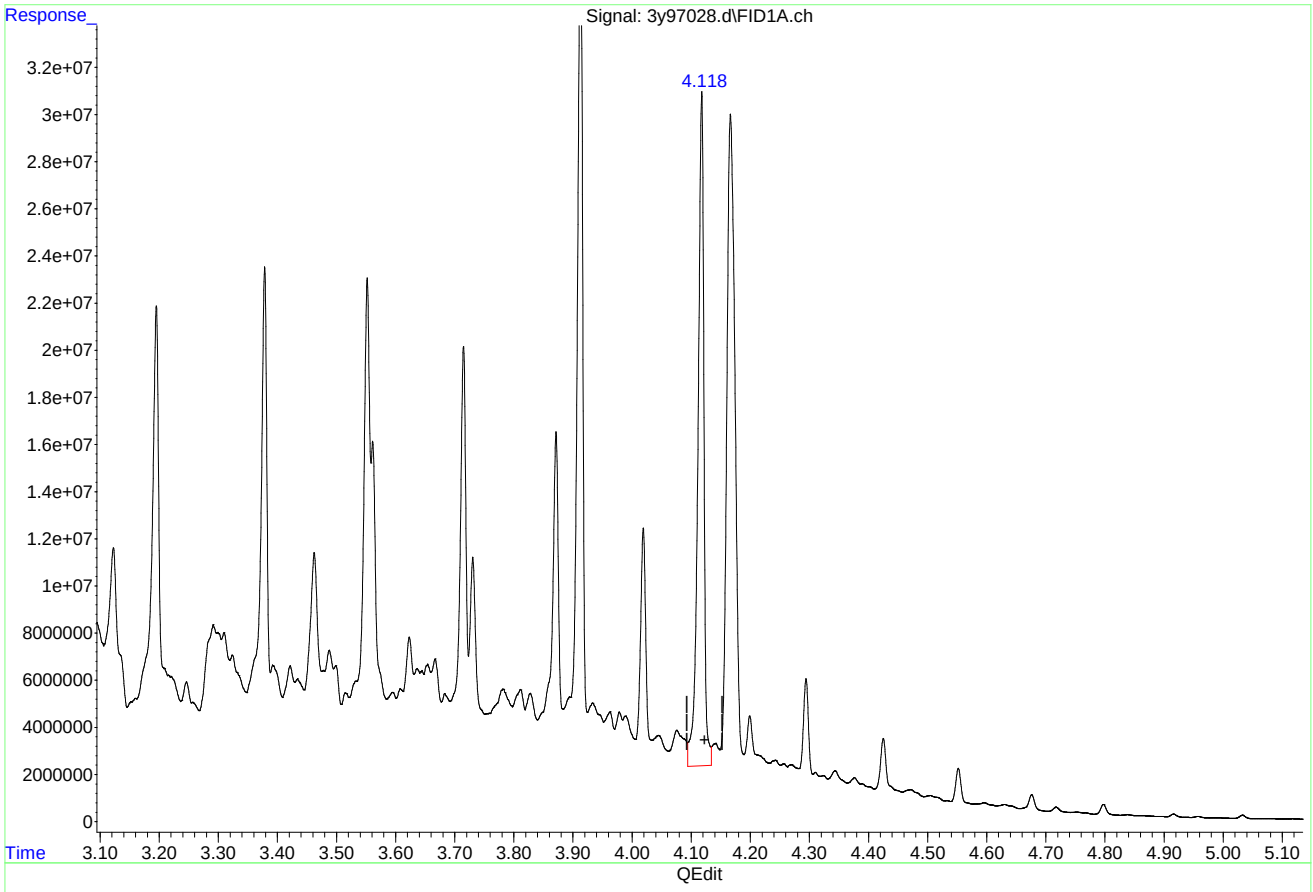
13.5.7.3
13

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97028.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 11:40 am
Operator : claudiab
Sample : ic3745-200
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 138 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:01:38 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.118min 3.115 PPM

response 200844082

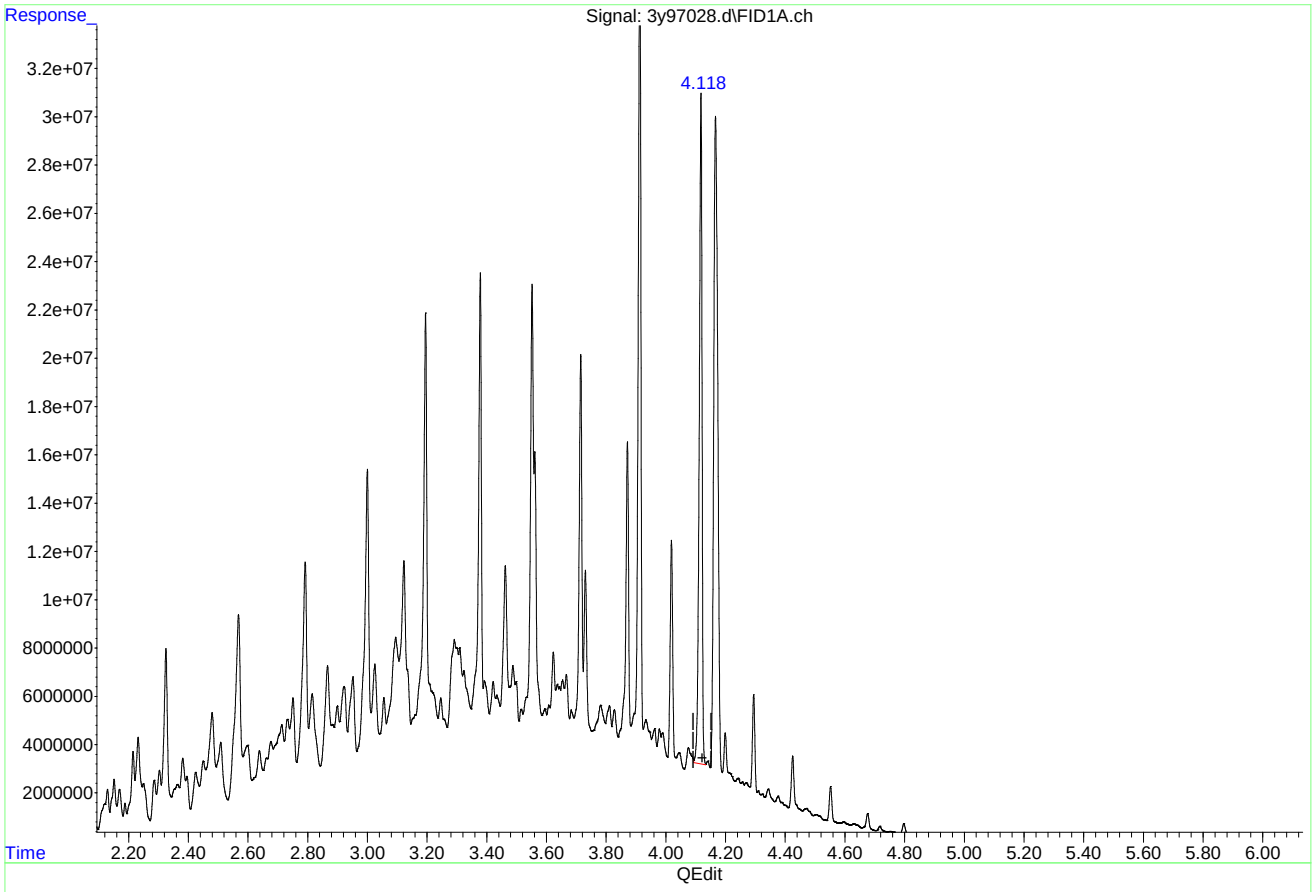
(+) = Expected Retention Time
DROLVI3y3745.M Fri Oct 17 14:01:51 2025 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97028.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 11:40 am
Operator : claudiab
Sample : ic3745-200
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 138 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:01:38 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.118min 2.802 PPM m

response 180618165

(+) = Expected Retention Time
DROLVI3y3745.M Fri Oct 17 14:01:56 2025

13.5.7.5
13

Manual Integrations APPROVED (compounds with "m" flag)
Gwendolyn Burns 10/25/25 12:13

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97029.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 12:00 pm
Operator : claudiab
Sample : ic3745-400
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 139 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:02:21 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
6) S o-TERPHENYL	3.918	384822176	5.448	PPM	m
Spiked Amount 50.000		Recovery = 10.90%			
7) S 5a-ANDROSTANE	4.124	347709577	5.393	PPM	m
Spiked Amount 50.000		Recovery = 10.79%			
Target Compounds					
1) H TPH-DRO	3.600	13174046853	267.894	PPM	

(f)=RT Delta > 1/2 Window (m)=manual int.

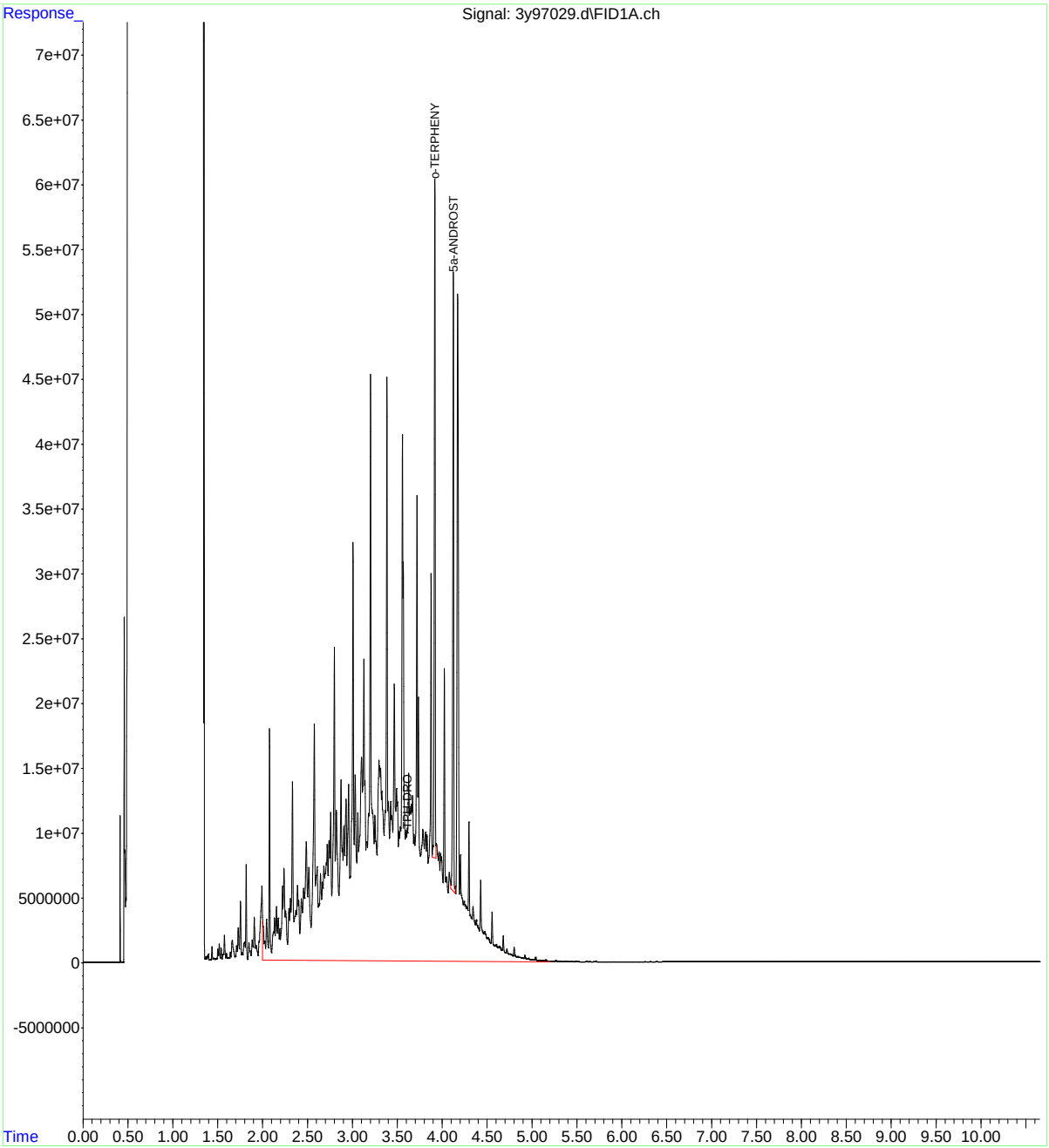
13.5.8
13

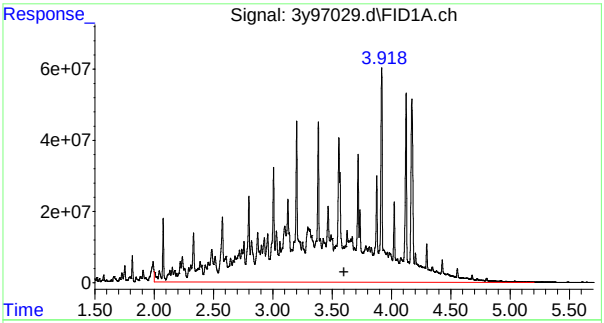
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97029.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 12:00 pm
Operator : claudiab
Sample : ic3745-400
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 139 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:02:21 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

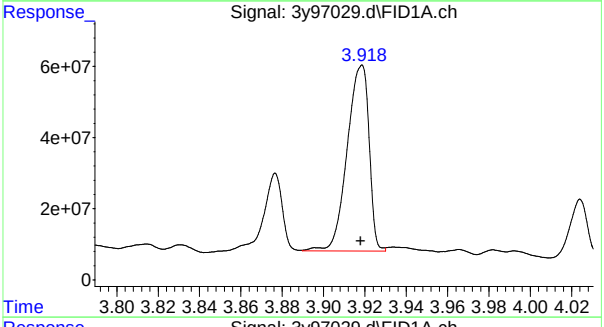
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





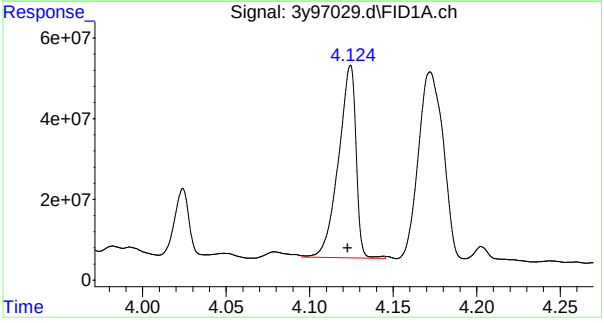
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 13174046853
Conc: 267.89 PPM



#6 o-TERPHENYL

R.T.: 3.918 min
Delta R.T.: 0.000 min
Response: 384822176
Conc: 5.45 PPM m



#7 5a-ANDROSTANE

R.T.: 4.124 min
Delta R.T.: 0.002 min
Response: 347709577
Conc: 5.39 PPM m

Manual Integration Approval Summary

Sample Number: G3Y3745-IC3745 **Method:** SW846 8015D
Lab FileID: 3Y97029.D **Analyst approved:** 10/18/25 23:12 Rebecca Krug
Injection Time: 10/17/25 12:00 **Supervisor approved:** 10/25/25 12:13 Gwendolyn Burns

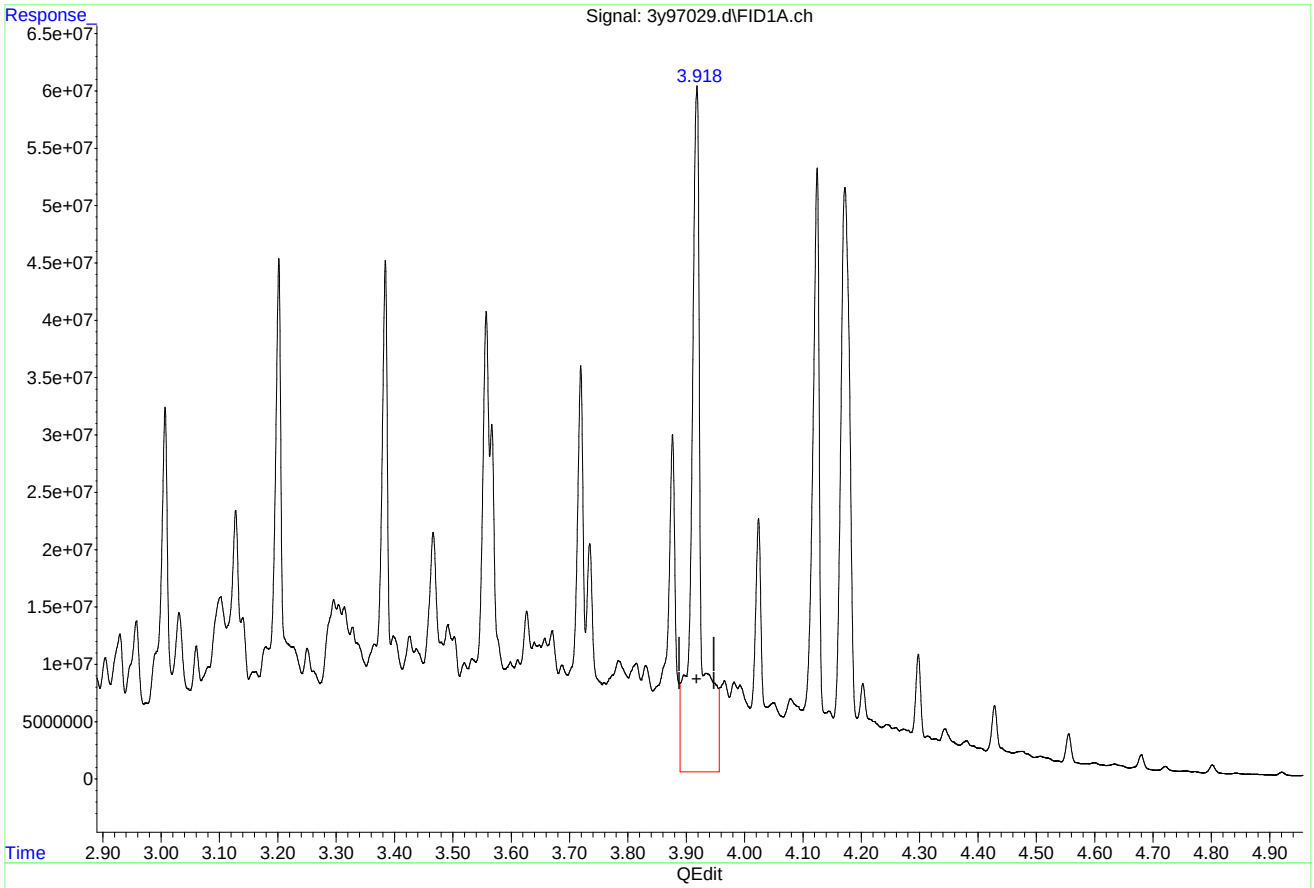
Parameter	CAS	Sig#	R.T. (min.)	Reason
o-Terphenyl	84-15-1	1	3.92	Poorly defined baseline
5a-Androstane	438-22-2	1	4.12	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97029.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 12:00 pm
Operator : claudiab
Sample : ic3745-400
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 139 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:02:04 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.918min 9.851 PPM

response 695828807

(+) = Expected Retention Time
DROLVI3y3745.M Fri Oct 17 14:02:10 2025 Page: 1

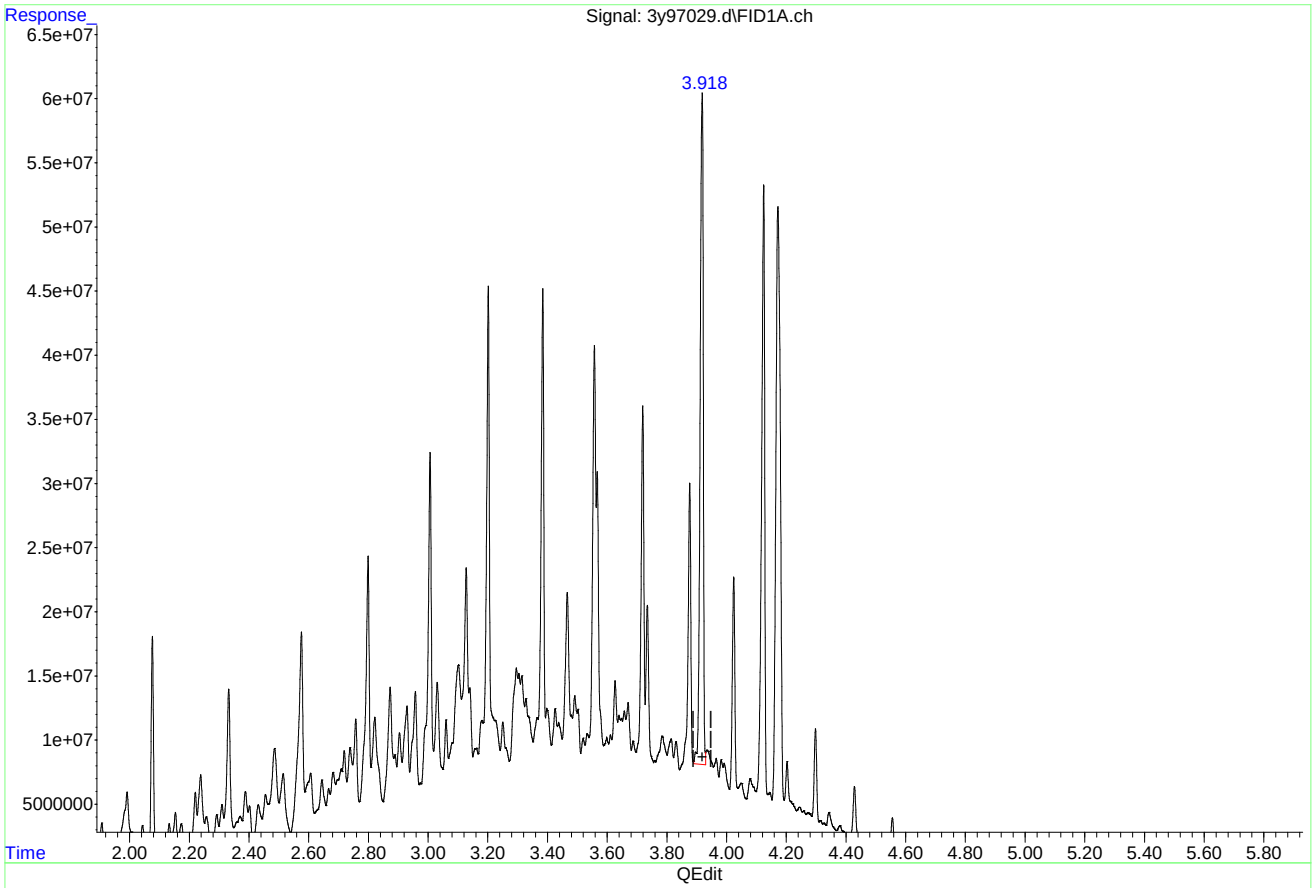
13.5.8.2
13

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97029.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 12:00 pm
Operator : claudiab
Sample : ic3745-400
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 139 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:02:04 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.918min 5.448 PPM m

response 384822176

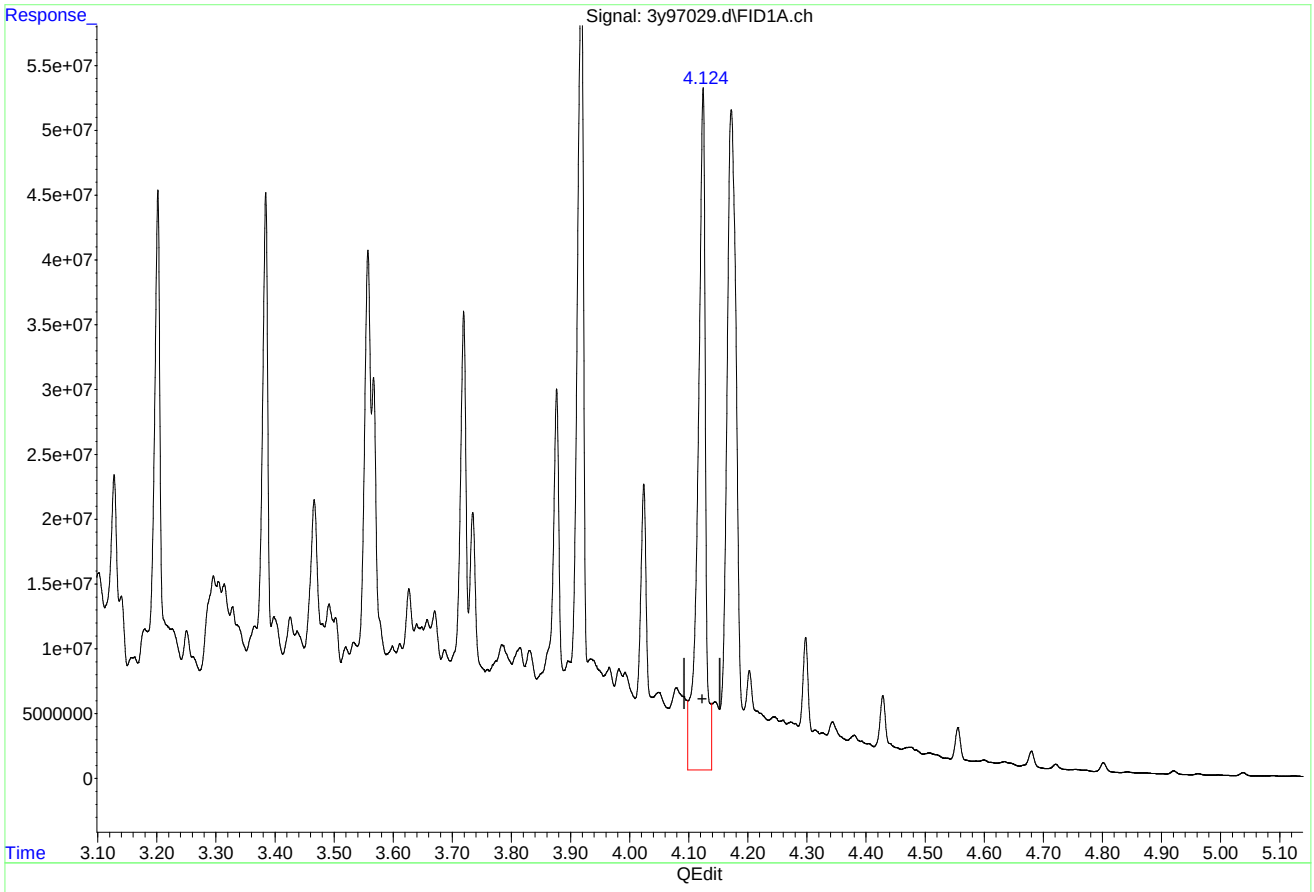
(+) = Expected Retention Time
DROLVI3y3745.M Fri Oct 17 14:02:16 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97029.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 12:00 pm
Operator : claudiab
Sample : ic3745-400
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 139 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:02:04 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.124min 7.221 PPM

response 465543004

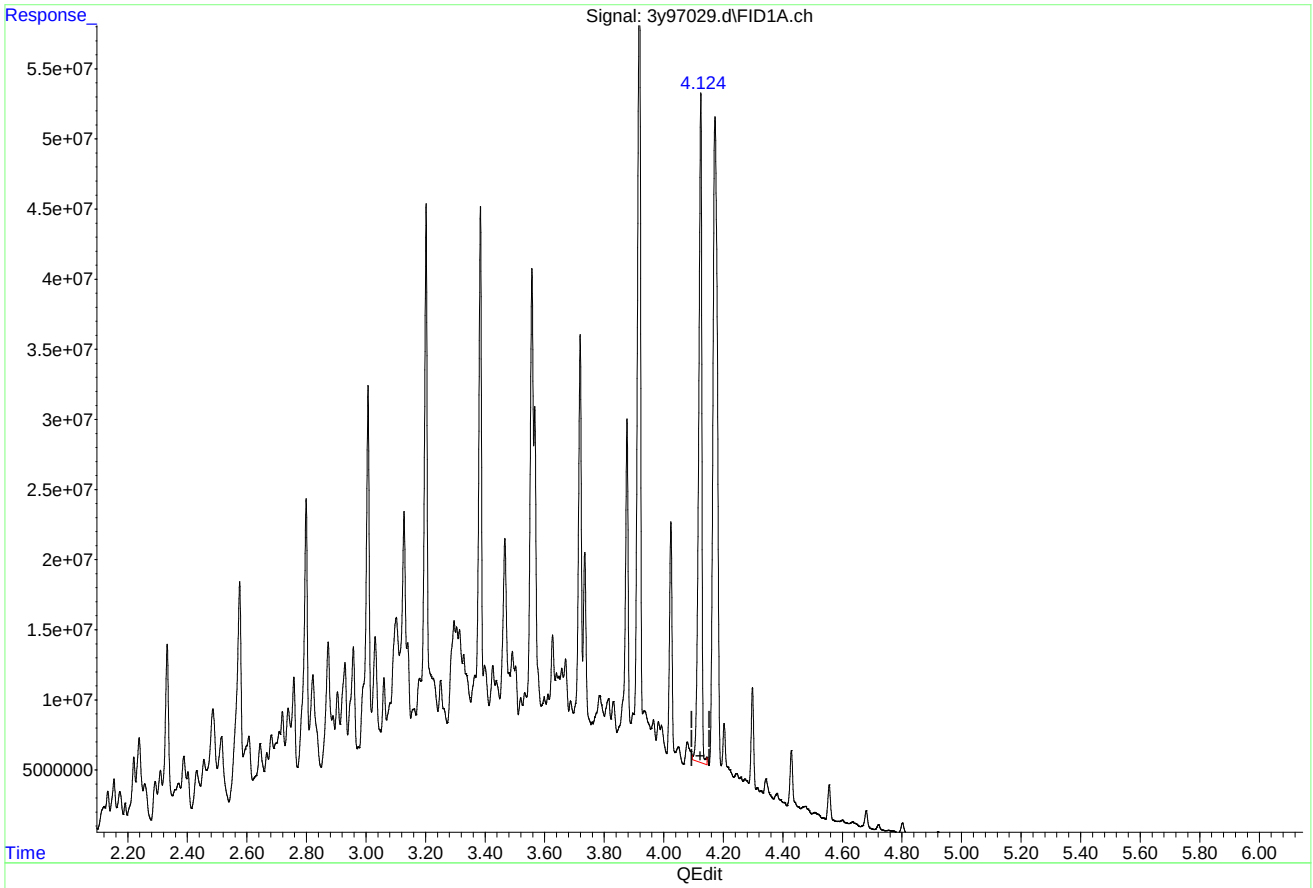
(+) = Expected Retention Time
DROLVI3y3745.M Fri Oct 17 14:02:18 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97029.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 12:00 pm
Operator : claudiab
Sample : ic3745-400
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 139 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:02:04 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.124min 5.393 PPM m

response 347709577

(+) = Expected Retention Time
DROLVI3y3745.M Fri Oct 17 14:02:23 2025

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97037.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 2:39 pm
Operator : claudiab
Sample : ic3745-1
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 131 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:52:59 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Fri Oct 17 14:07:02 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
Target Compounds			
1) H TPH-DRO	3.600	40988050	2.736 PPM

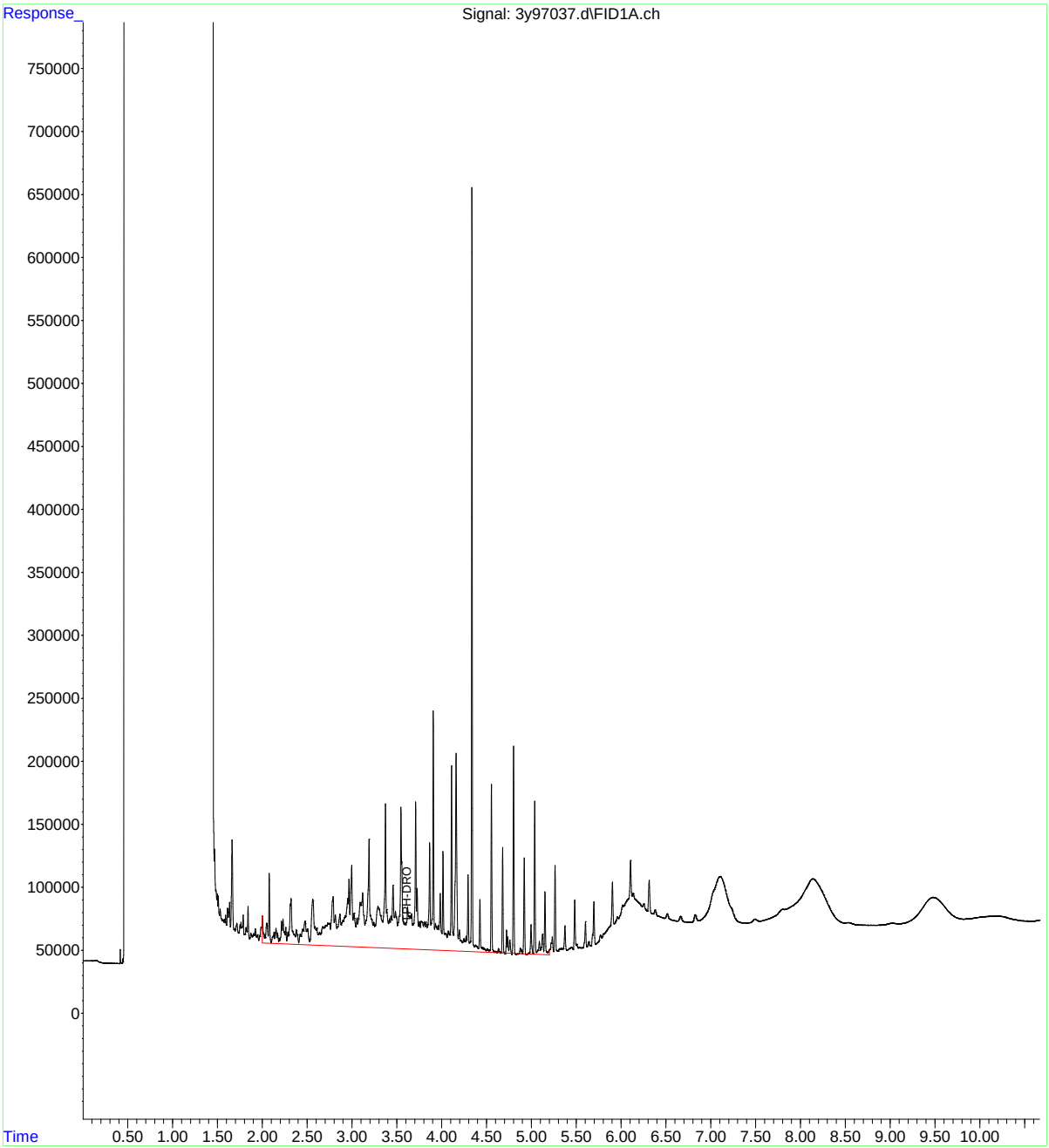
(f)=RT Delta > 1/2 Window (m)=manual int.

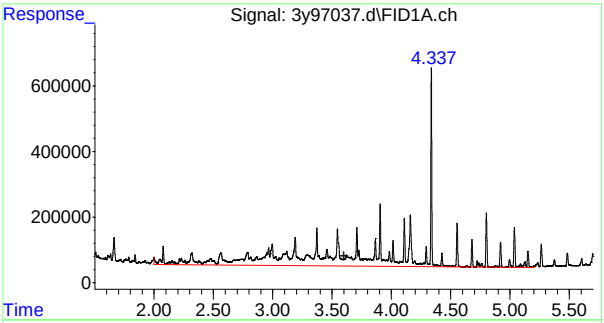
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97037.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 2:39 pm
Operator : claudiab
Sample : ic3745-1
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 131 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:52:59 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Fri Oct 17 14:07:02 2025
Response via : Initial Calibration
Integrator: ChemStation

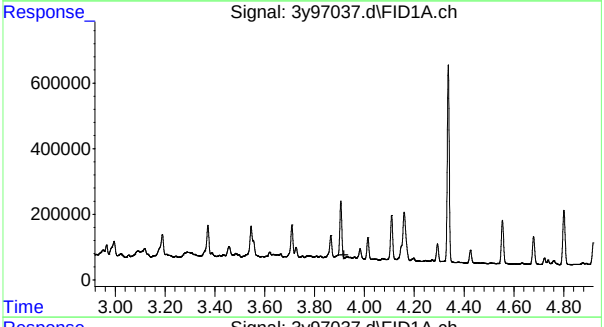
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





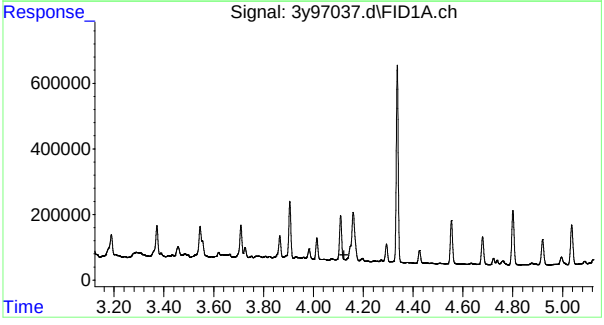
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 40988050
Conc: 2.74 PPM



#6 o-TERPHENYL

R.T.: 0.000 min
Exp R.T. : 3.918 min
Response: 0
Conc: N.D.



#7 5a-ANDROSTANE

R.T.: 0.000 min
Exp R.T. : 4.123 min
Response: 0
Conc: N.D.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97039.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 3:19 pm
Operator : claudiab
Sample : icv3745-40
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 142 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 18 23:07:04 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:06:51 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
Target Compounds			
1) H TPH-DRO	3.600	1613162091	46.895 PPM

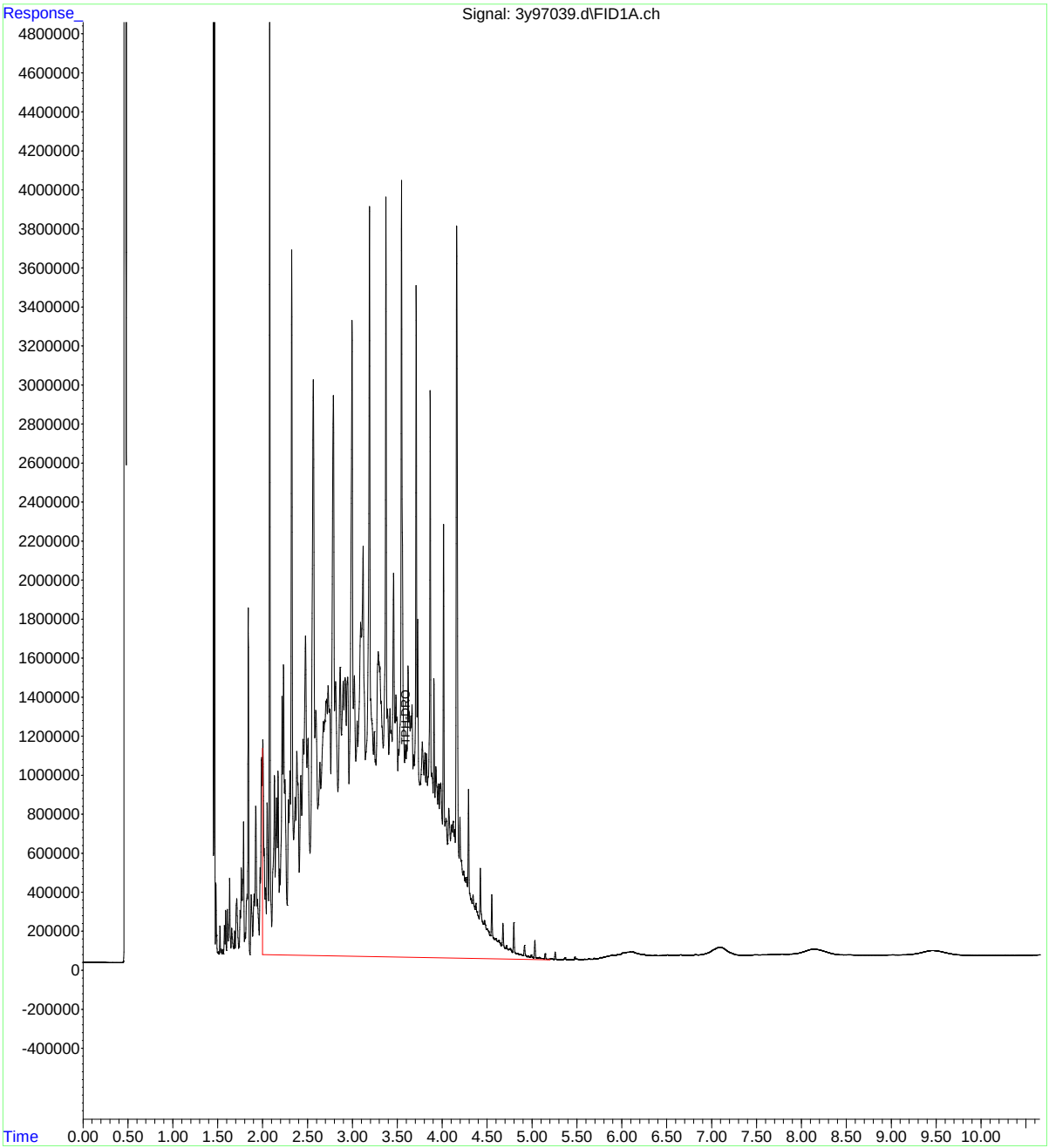
(f)=RT Delta > 1/2 Window (m)=manual int.

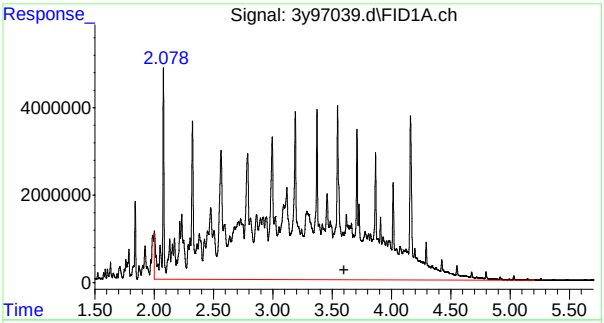
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97039.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 3:19 pm
Operator : claudiab
Sample : icv3745-40
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 142 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 18 23:07:04 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:06:51 2025
Response via : Initial Calibration
Integrator: ChemStation

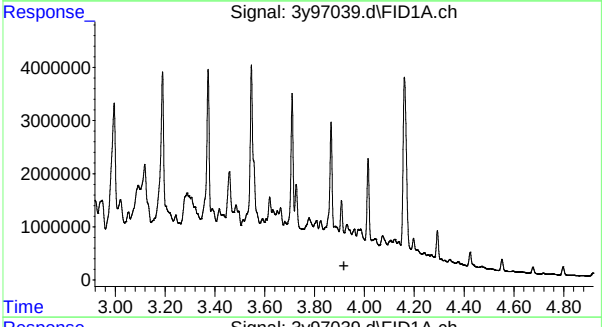
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





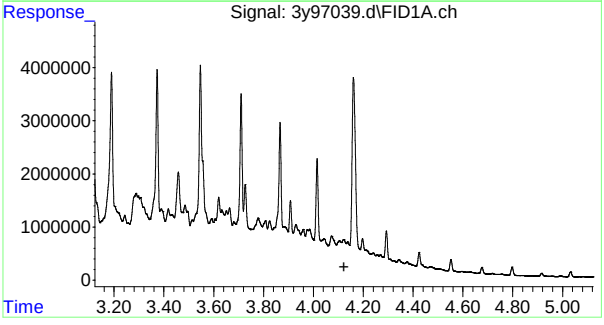
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 1613162091
Conc: 46.89 PPM



#6 o-TERPHENYL

R.T.: 0.000 min
Exp R.T. : 3.918 min
Response: 0
Conc: N.D.



#7 5a-ANDROSTANE

R.T.: 0.000 min
Exp R.T. : 4.123 min
Response: 0
Conc: N.D.

Manual Integrations APPROVED
(compounds with "m" flag)
Rebecca Krug
10/20/25 21:56

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97042.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 4:19 pm
Operator : claudiab
Sample : cc3745-40
Misc : op68028,g3y3746,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 21:22:35 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Mon Oct 20 20:54:45 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
6) S o-TERPHENYL	3.906	43864608	0.973	PPM	m
Spiked Amount 50.000		Recovery = 1.95%			
7) S 5a-ANDROSTANE	4.111	39281314	0.991	PPM	m
Spiked Amount 50.000		Recovery = 1.98%			
Target Compounds					
1) H TPH-DRO	3.600	1578532633	45.888	PPM	

(f)=RT Delta > 1/2 Window (m)=manual int.

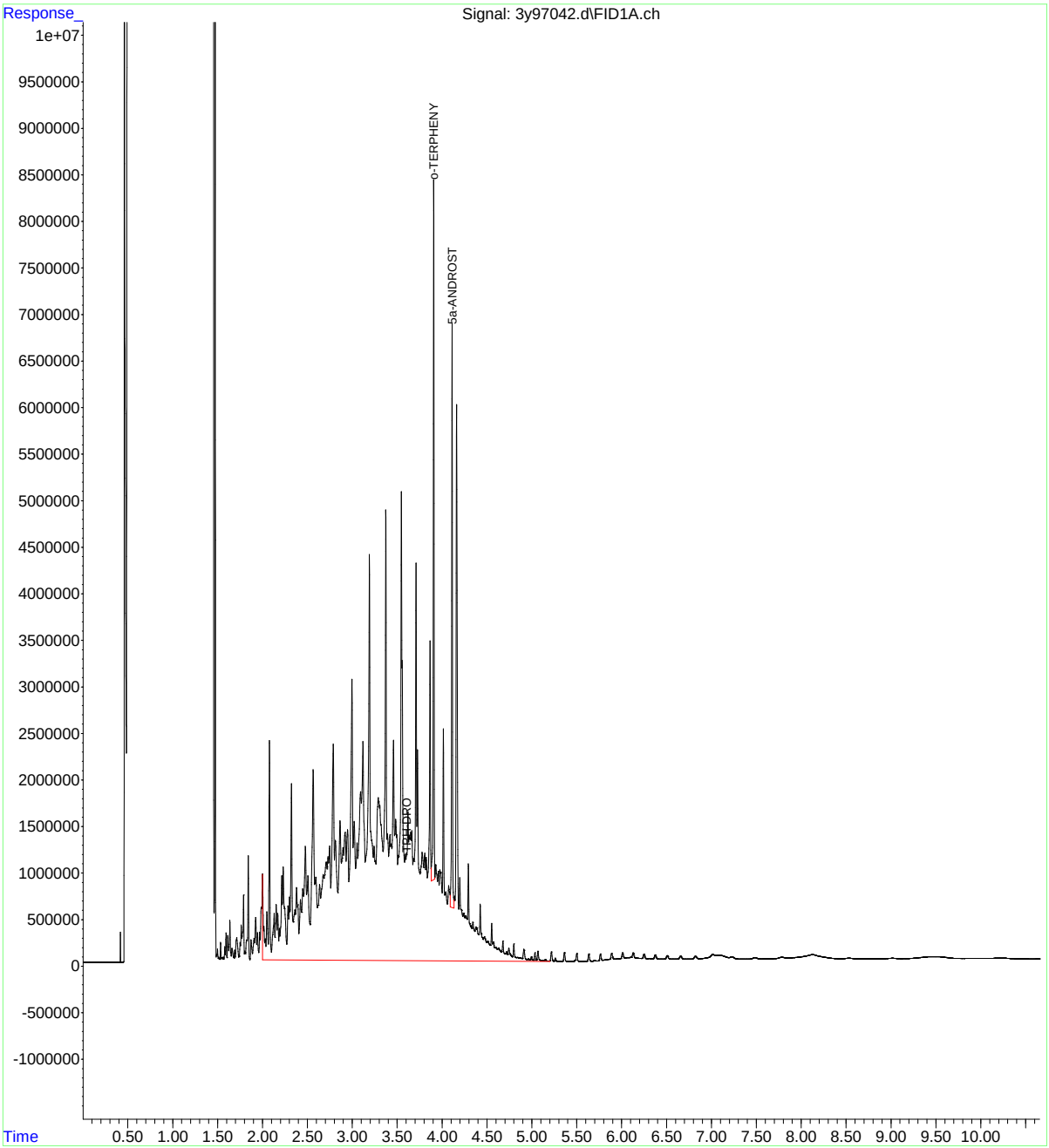
13.5.11
13

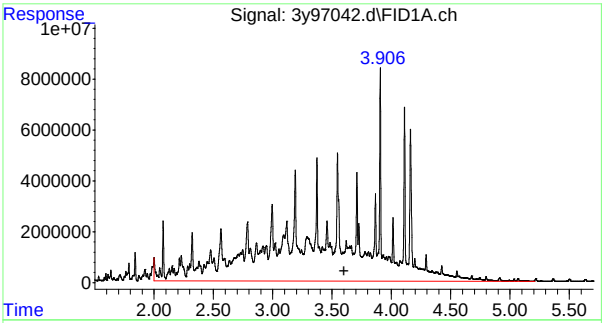
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97042.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 4:19 pm
Operator : claudiab
Sample : cc3745-40
Misc : op68028,g3y3746,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 21:22:35 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Mon Oct 20 20:54:45 2025
Response via : Initial Calibration
Integrator: ChemStation

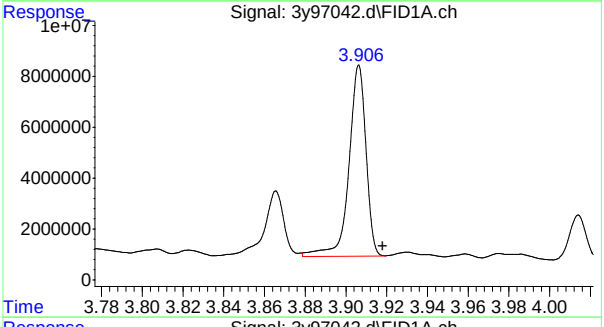
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





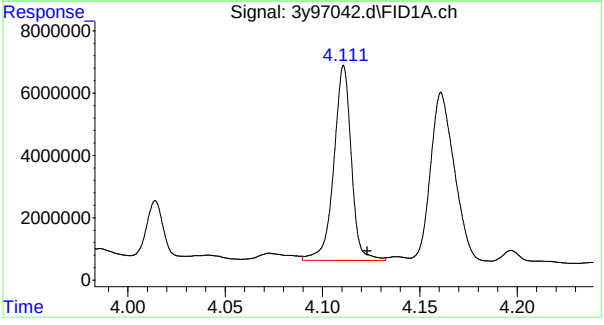
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 1578532633
Conc: 45.89 PPM



#6 o-TERPHENYL

R.T.: 3.906 min
Delta R.T.: -0.012 min
Response: 43864608
Conc: 0.97 PPM m



#7 5a-ANDROSTANE

R.T.: 4.111 min
Delta R.T.: -0.012 min
Response: 39281314
Conc: 0.99 PPM m

Manual Integration Approval Summary

Sample Number: G3Y3746-CC3745
Lab FileID: 3Y97042.D
Injection Time: 10/17/25 16:19
Method: SW846 8015D
Analyst approved: 10/20/25 21:37 Rebecca Krug
Supervisor approved: 10/20/25 21:56 Rebecca Krug

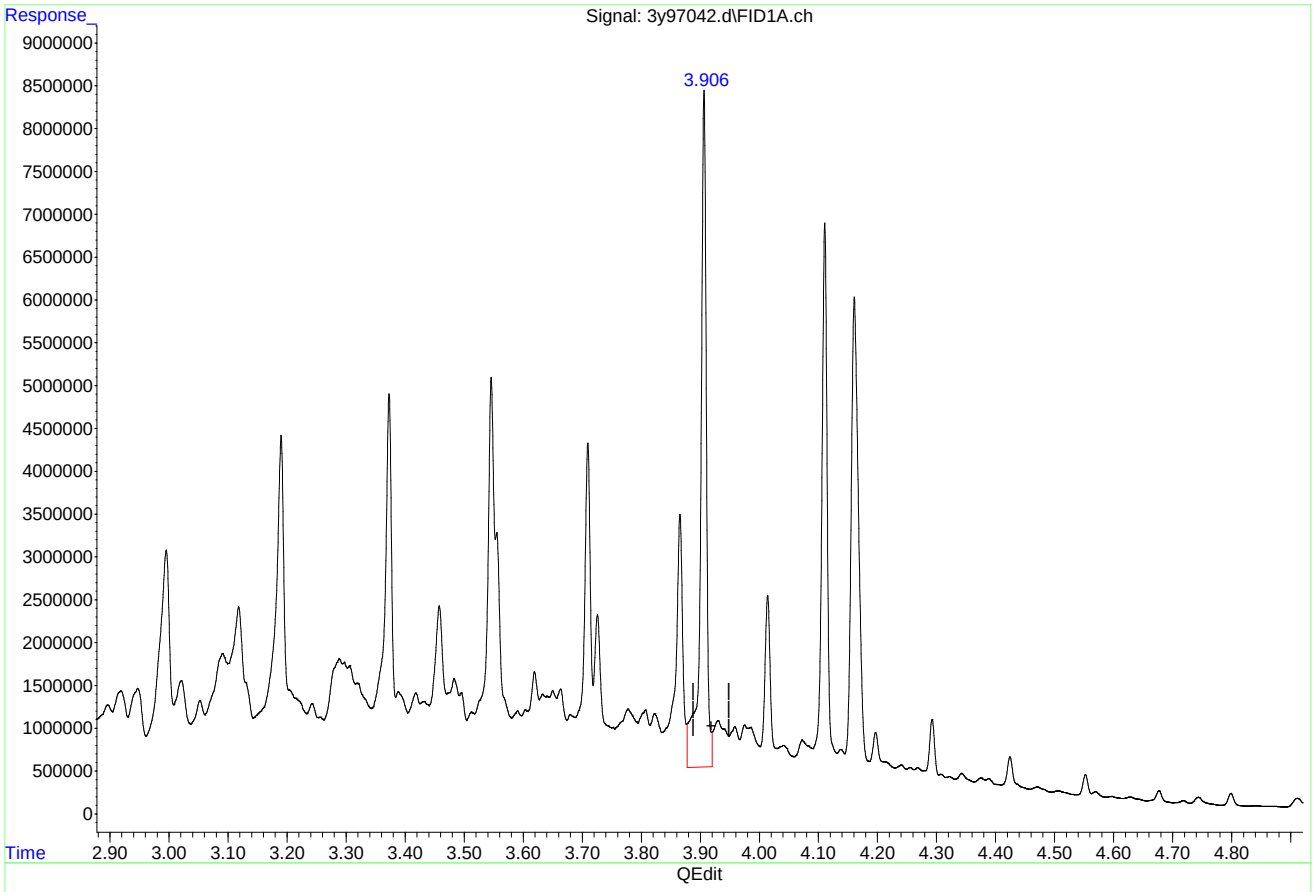
Parameter	CAS	Sig#	R.T. (min.)	Reason
o-Terphenyl	84-15-1	1	3.91	Poorly defined baseline
5a-Androstane	438-22-2	1	4.11	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97042.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 4:19 pm
Operator : claudiab
Sample : cc3745-40
Misc : op68028,g3y3746,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 21:22:05 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Mon Oct 20 20:54:45 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.906min 1.191 PPM

response 53731160

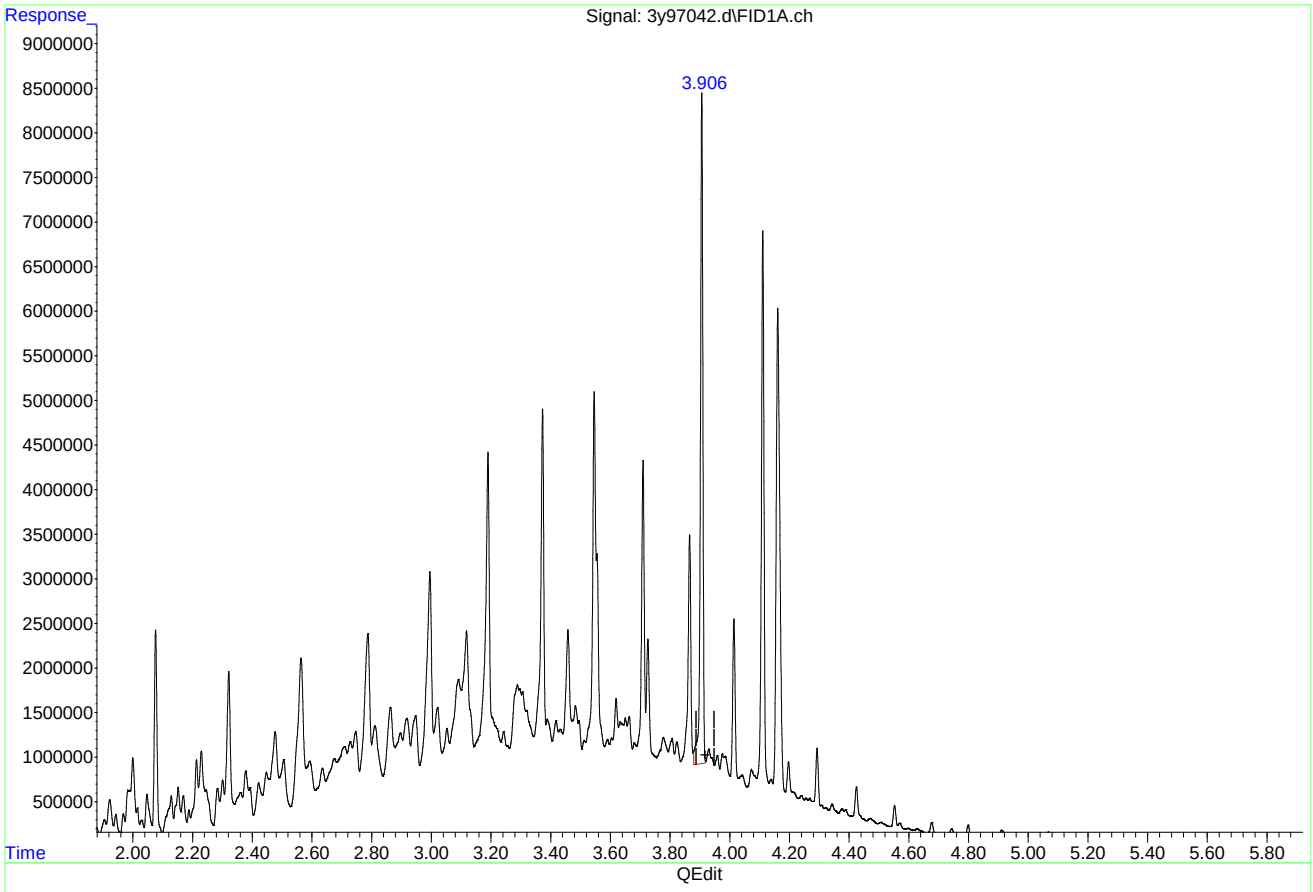
(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 21:22:17 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97042.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 4:19 pm
Operator : claudiab
Sample : cc3745-40
Misc : op68028,g3y3746,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 21:22:05 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Mon Oct 20 20:54:45 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.906min 0.973 PPM m

response 43864608

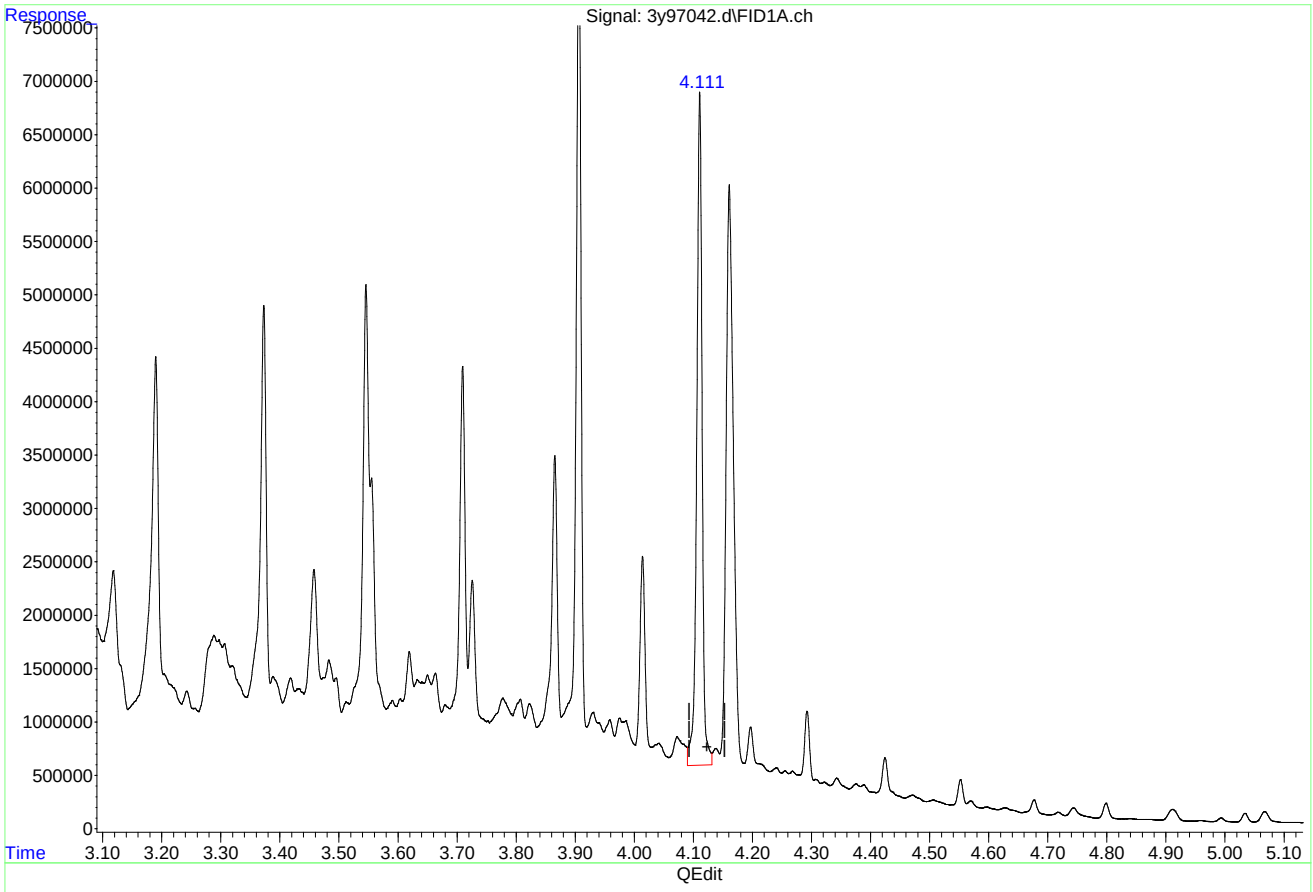
(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 21:22:25 2025 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97042.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 4:19 pm
Operator : claudiab
Sample : cc3745-40
Misc : op68028,g3y3746,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 21:22:05 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Mon Oct 20 20:54:45 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.111min 1.012 PPM

response 40115832

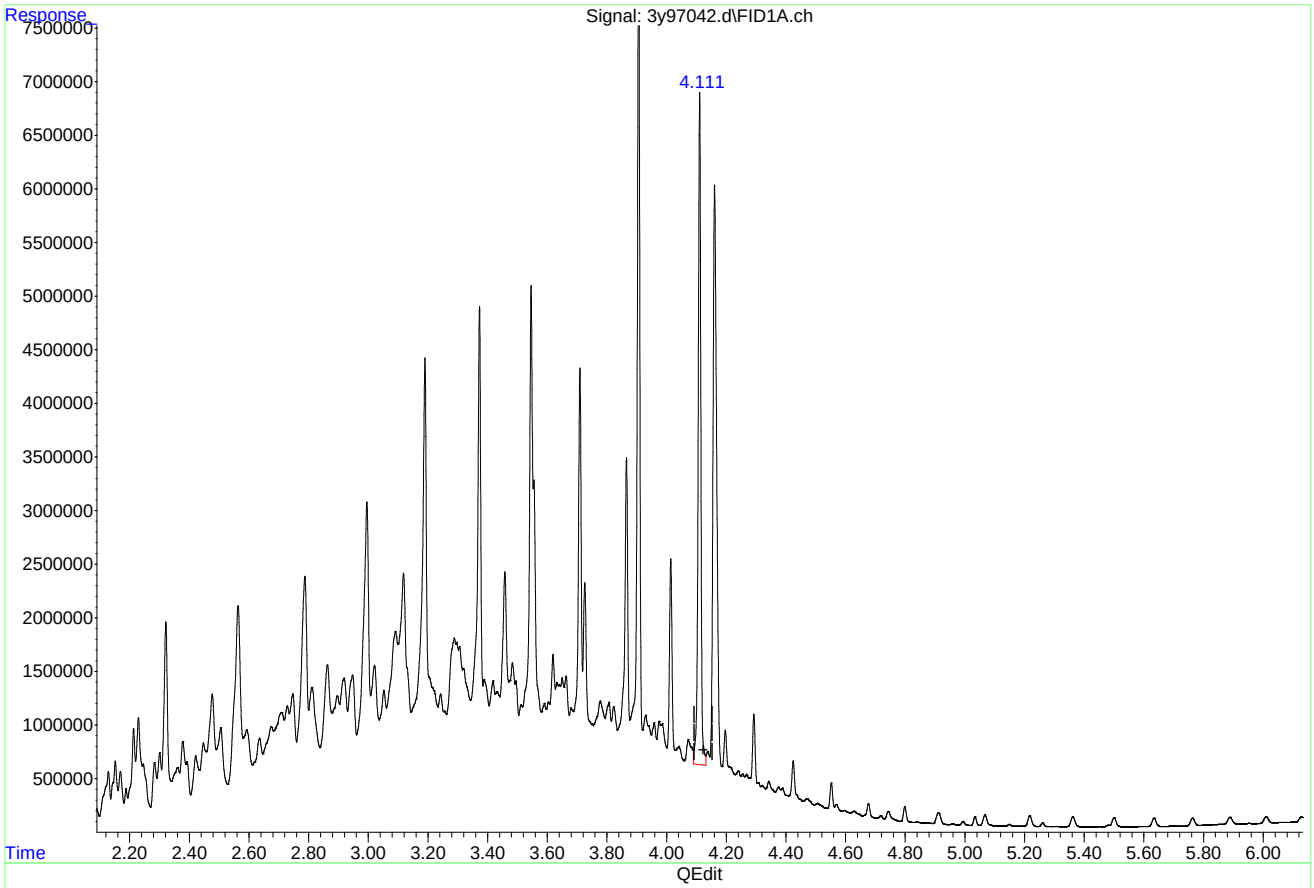
(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 21:22:30 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97042.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 4:19 pm
Operator : claudiab
Sample : cc3745-40
Misc : op68028,g3y3746,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 21:22:05 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Mon Oct 20 20:54:45 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.111min 0.991 PPM m

response 39281314

(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 21:22:38 2025

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97053.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 7:56 pm
Operator : claudiab
Sample : cc3745-20
Misc : op68028,g3y3746,5.0,,,10,1
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 21:26:57 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Mon Oct 20 20:54:45 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
6) S o-TERPHENYL	3.904	21717028	0.482 PPM
Spiked Amount 50.000		Recovery =	0.96%
7) S 5a-ANDROSTANE	4.108f	18199226	0.459 PPM
Spiked Amount 50.000		Recovery =	0.92%
Target Compounds			
1) H TPH-DRO	3.600	749863289	21.799 PPM

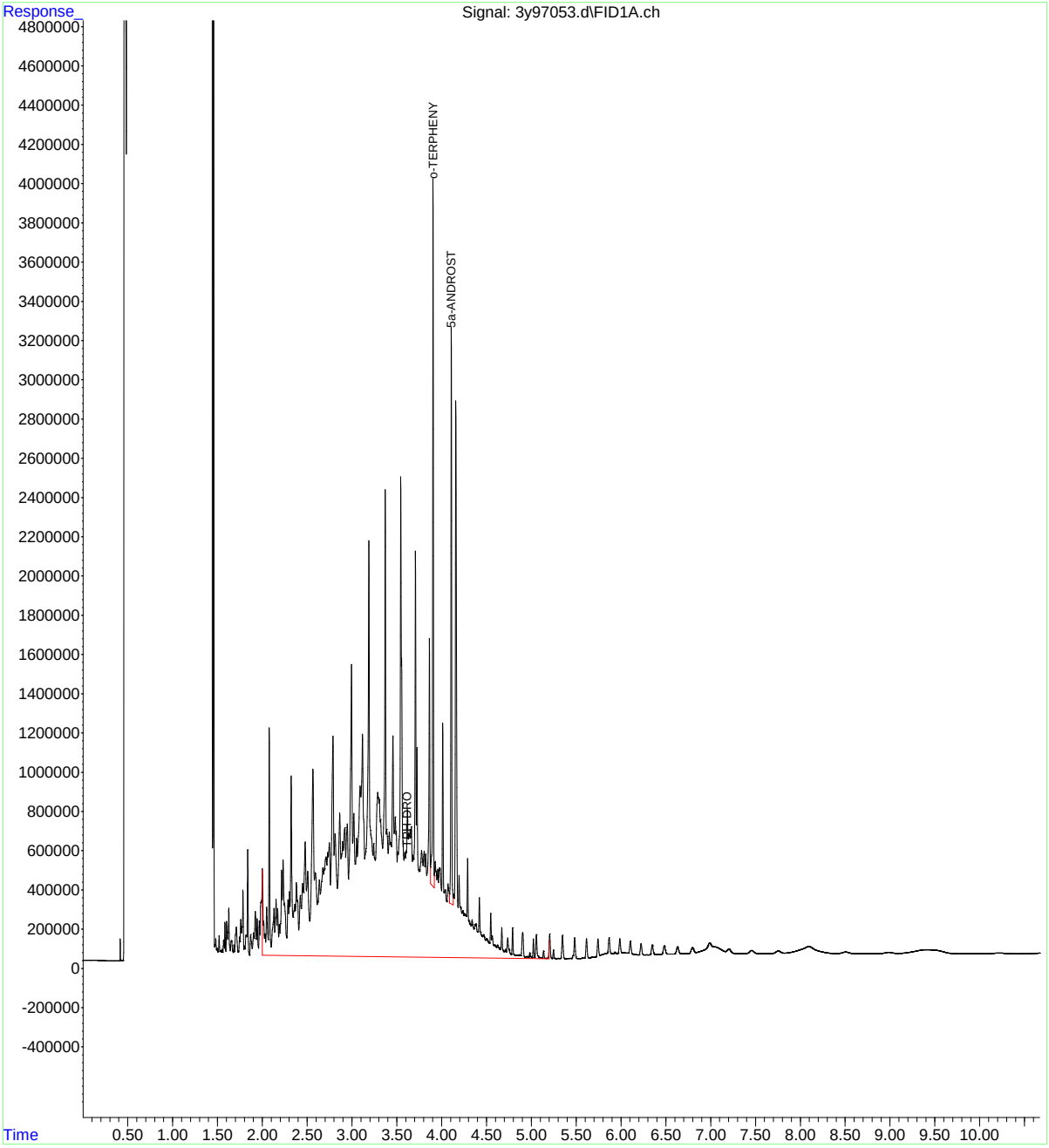
(f)=RT Delta > 1/2 Window (m)=manual int.

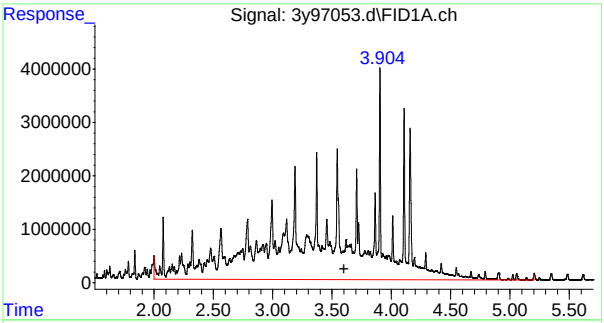
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97053.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 7:56 pm
Operator : claudiab
Sample : cc3745-20
Misc : op68028,g3y3746,5.0,,,10,1
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 21:26:57 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Mon Oct 20 20:54:45 2025
Response via : Initial Calibration
Integrator: ChemStation

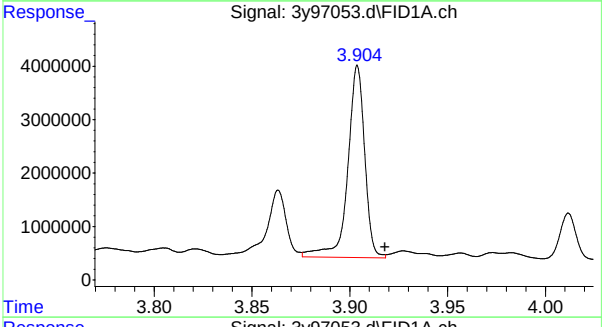
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





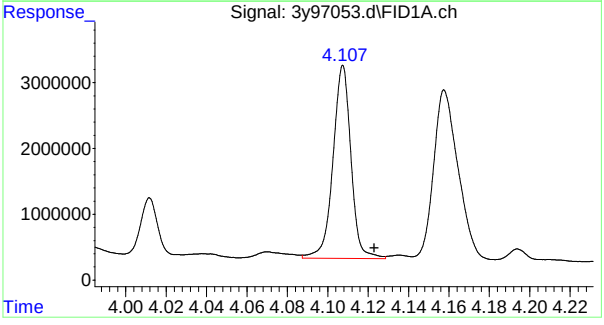
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 749863289
Conc: 21.80 PPM



#6 o-TERPHENYL

R.T.: 3.904 min
Delta R.T.: -0.014 min
Response: 21717028
Conc: 0.48 PPM



#7 5a-ANDROSTANE

R.T.: 4.108 min
Delta R.T.: -0.015 min
Response: 18199226
Conc: 0.46 PPM

Manual Integrations APPROVED
(compounds with "m" flag)
Rebecca Krug
10/20/25 21:56

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97064.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 11:34 pm
Operator : claudiab
Sample : cc3745-40
Misc : op68028,g3y3746,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 21:36:01 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Mon Oct 20 20:54:45 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
6) S o-TERPHENYL	3.903	43951403	0.975 PPM m
Spiked Amount 50.000		Recovery =	1.95%
7) S 5a-ANDROSTANE	4.108f	38523173	0.971 PPM
Spiked Amount 50.000		Recovery =	1.94%
Target Compounds			
1) H TPH-DRO	3.600	1589010148	46.193 PPM

(f)=RT Delta > 1/2 Window (m)=manual int.

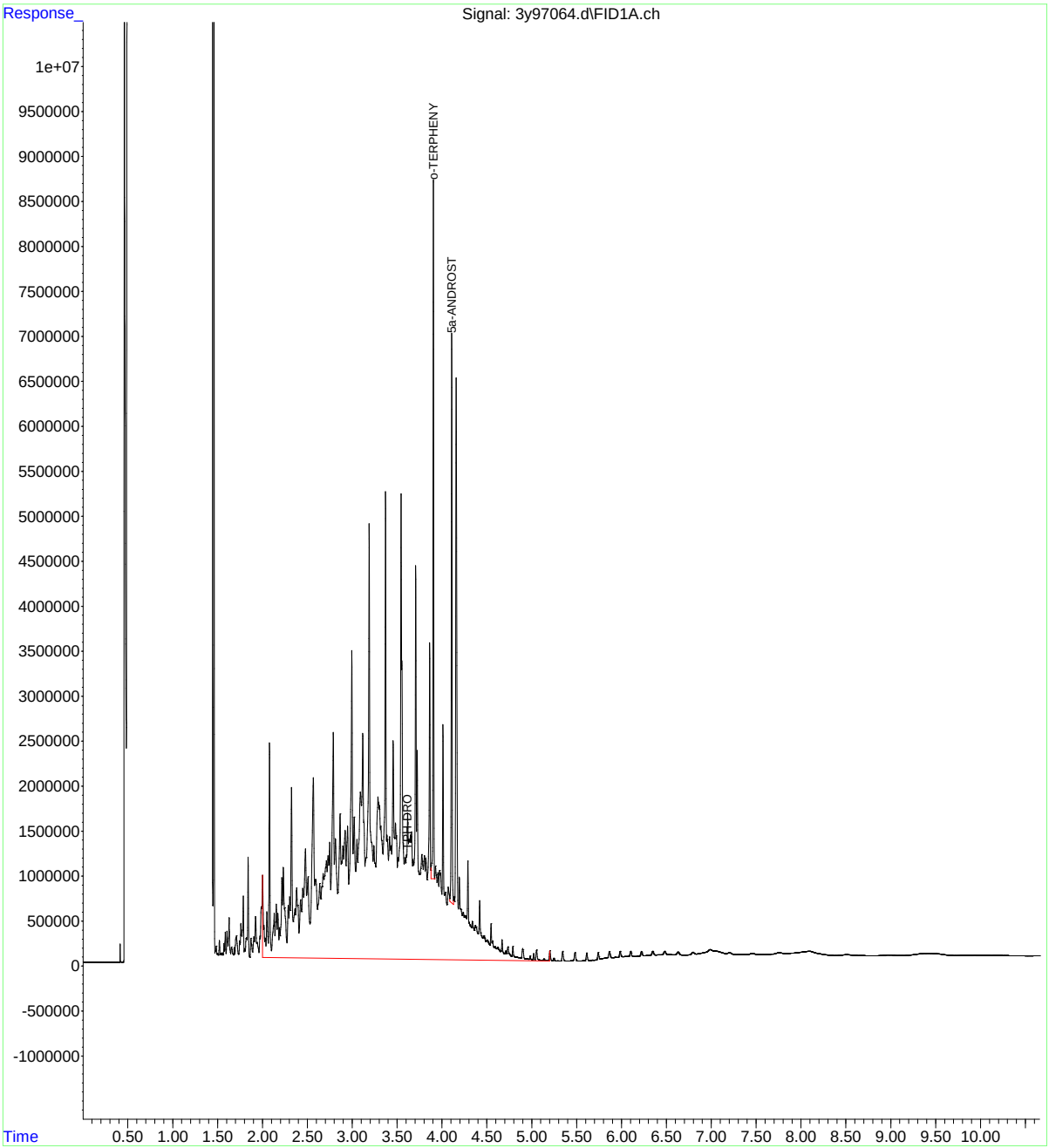
13.5.13
13

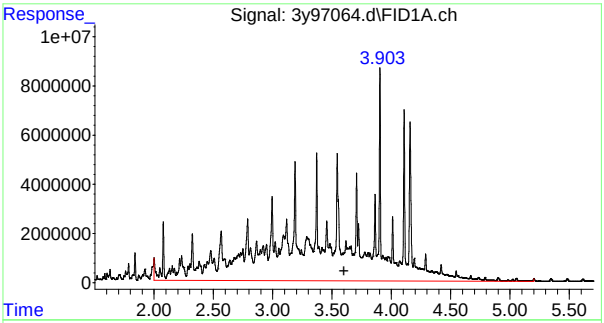
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97064.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 11:34 pm
Operator : claudiab
Sample : cc3745-40
Misc : op68028,g3y3746,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 21:36:01 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Mon Oct 20 20:54:45 2025
Response via : Initial Calibration
Integrator: ChemStation

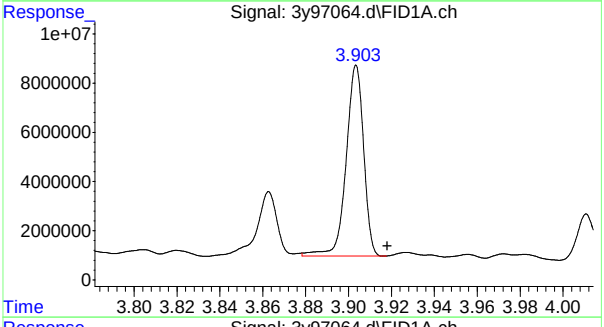
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





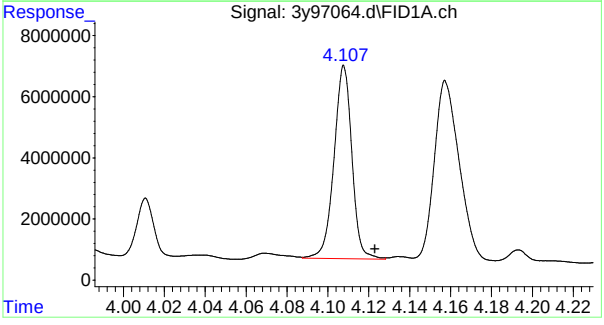
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 1589010148
Conc: 46.19 PPM



#6 o-TERPHENYL

R.T.: 3.903 min
Delta R.T.: -0.015 min
Response: 43951403
Conc: 0.97 PPM m



#7 5a-ANDROSTANE

R.T.: 4.108 min
Delta R.T.: -0.015 min
Response: 38523173
Conc: 0.97 PPM

Manual Integration Approval Summary

Sample Number:	G3Y3746-CC3745	**Method:**	SW846 8015D
Lab FileID:	3Y97064.D	**Analyst approved:**	10/20/25 21:42 Rebecca Krug
Injection Time:	10/17/25 23:34	**Supervisor approved:**	10/20/25 21:56 Rebecca Krug

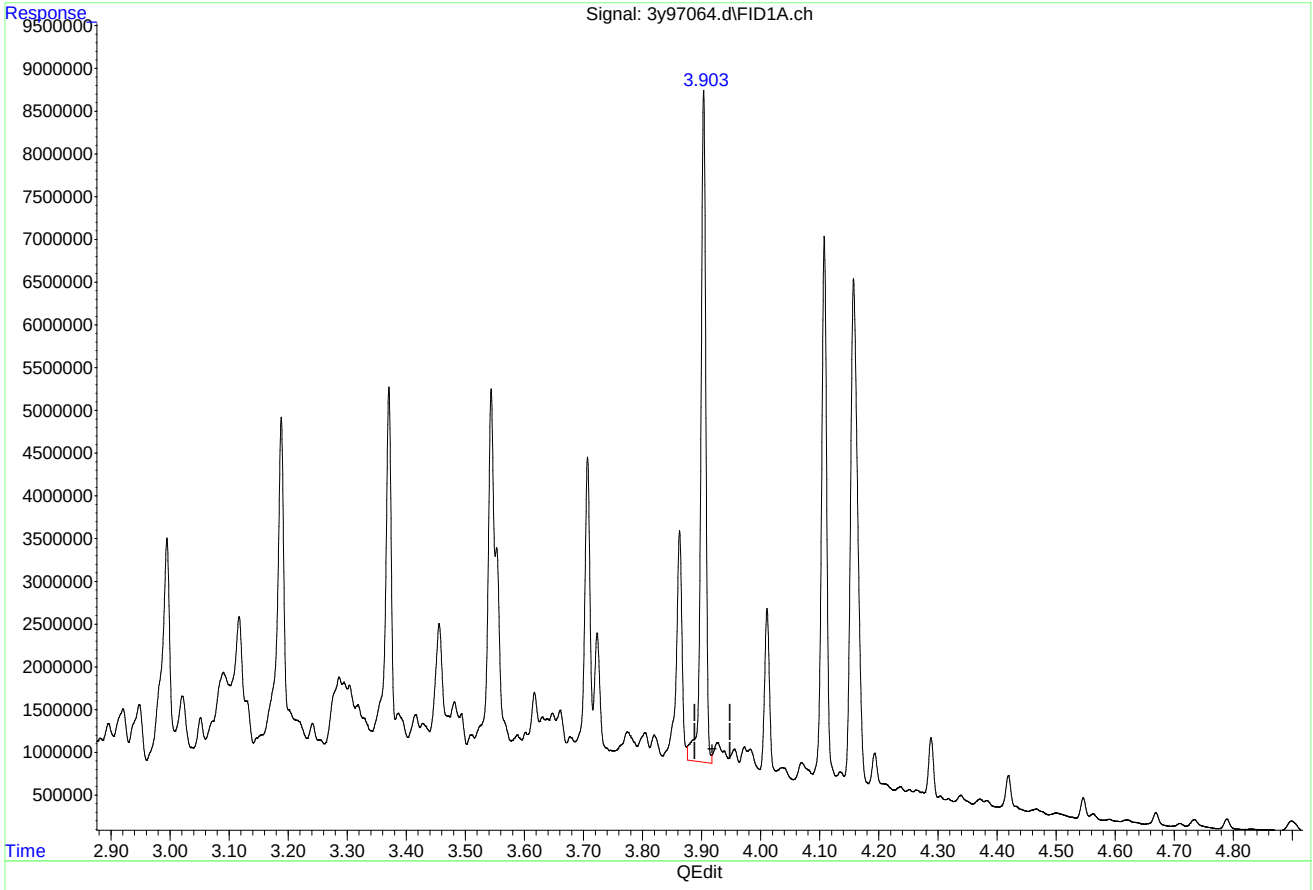
Parameter	CAS	Sig#	R.T. (min.)	Reason
o-Terphenyl	84-15-1	1	3.90	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97064.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 11:34 pm
Operator : claudiab
Sample : cc3745-40
Misc : op68028,g3y3746,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 21:35:47 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Mon Oct 20 20:54:45 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.904min 1.024 PPM

response 46159937

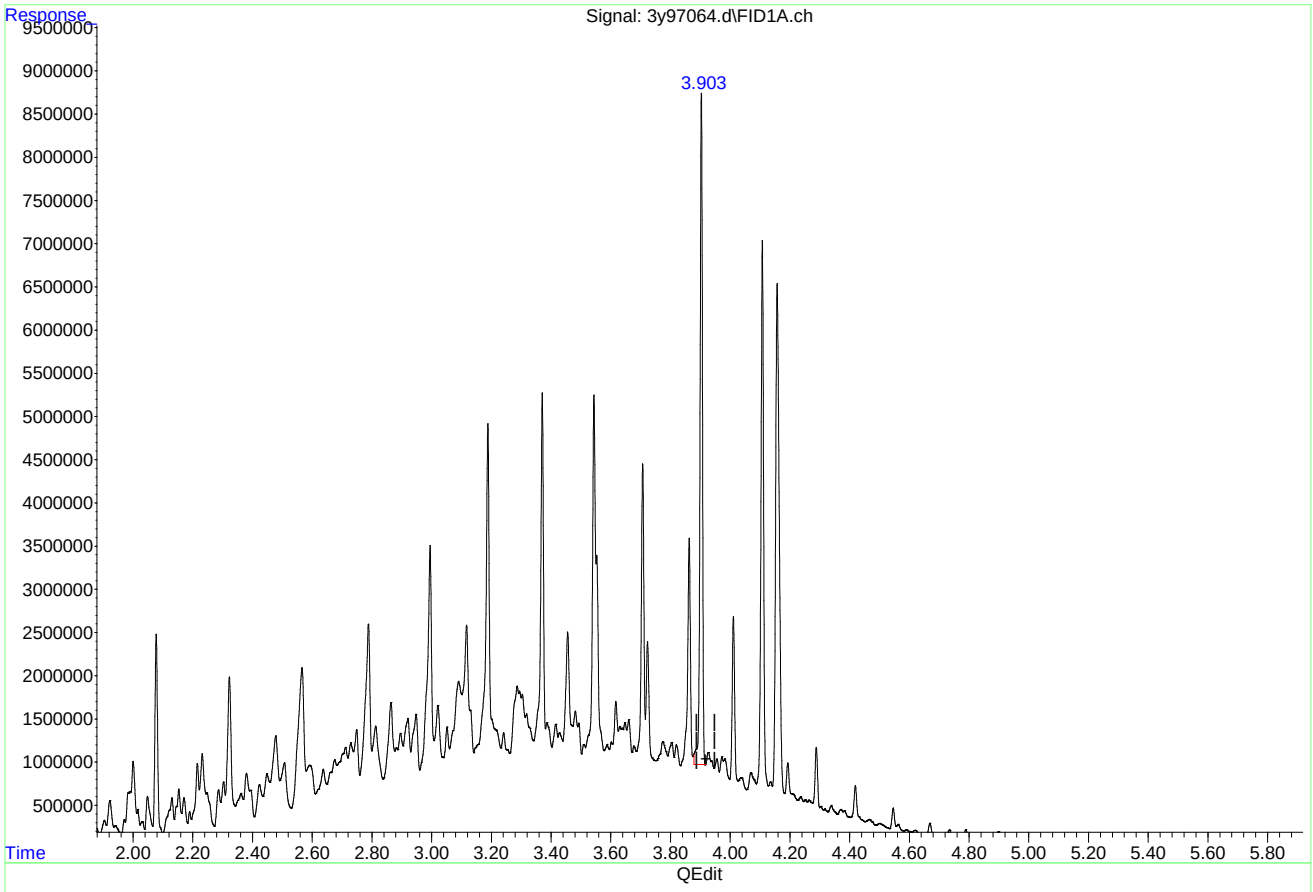
(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 21:35:58 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97064.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 11:34 pm
Operator : claudiab
Sample : cc3745-40
Misc : op68028,g3y3746,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 21:35:47 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Mon Oct 20 20:54:45 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.903min 0.975 PPM m

response 43951403

(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 21:36:04 2025 Page: 1

Manual Integrations APPROVED (compounds with "m" flag)
Rebecca Krug
10/20/25 21:56

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97075.d
Signal(s) : FID1A.ch
Acq On : 18 Oct 2025 3:13 am
Operator : claudiab
Sample : cc3745-20
Misc : op68028,g3y3746,5.0,,,10,1
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 21:45:07 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Mon Oct 20 20:54:45 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
6) S o-TERPHENYL	3.904	21469521	0.476	PPM	m
Spiked Amount 50.000		Recovery =	0.95%		
7) S 5a-ANDROSTANE	4.109	19048783	0.480	PPM	
Spiked Amount 50.000		Recovery =	0.96%		
Target Compounds					
1) H TPH-DRO	3.600	775239575	22.536	PPM	

(f)=RT Delta > 1/2 Window (m)=manual int.

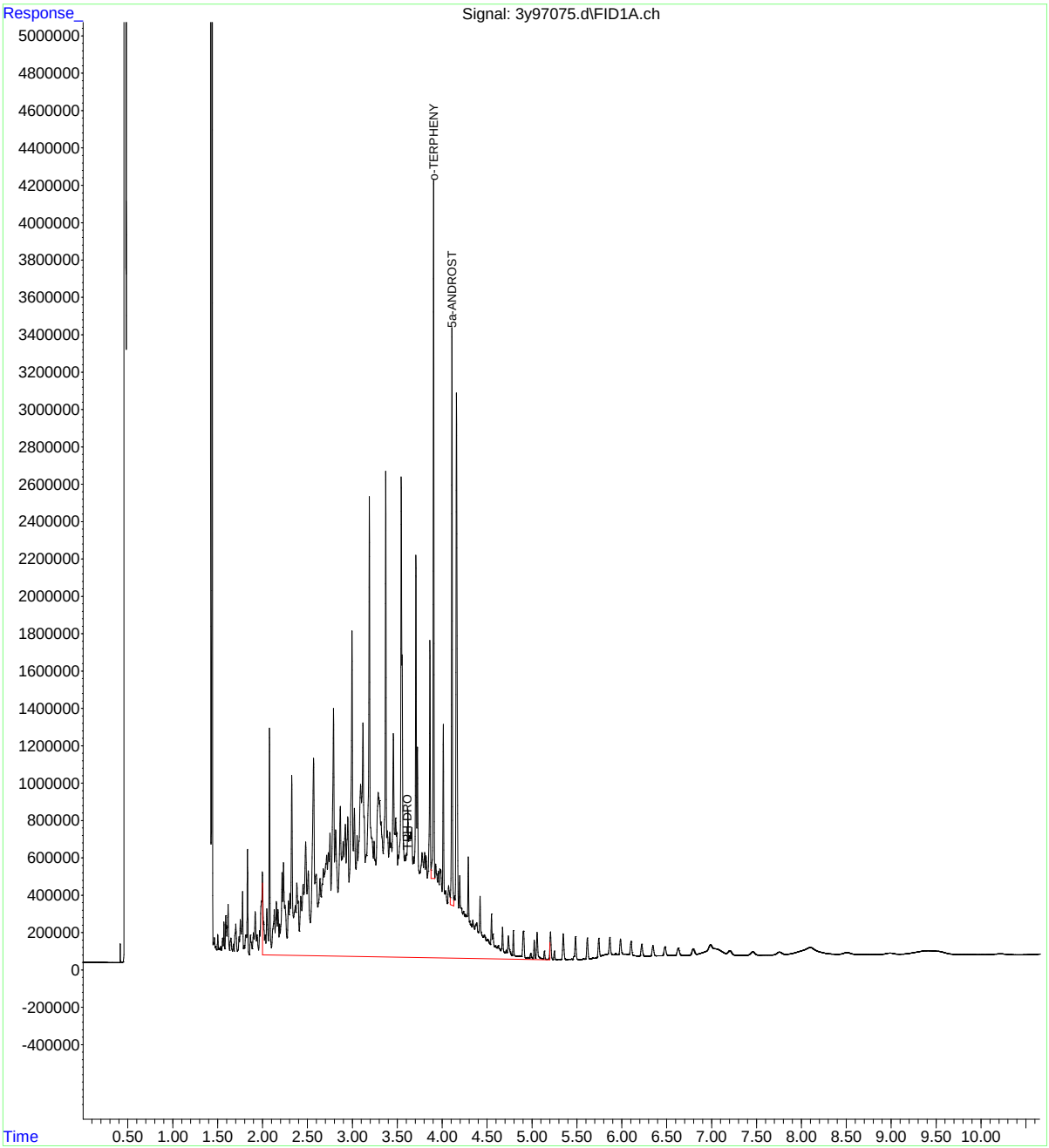
13.5.14
13

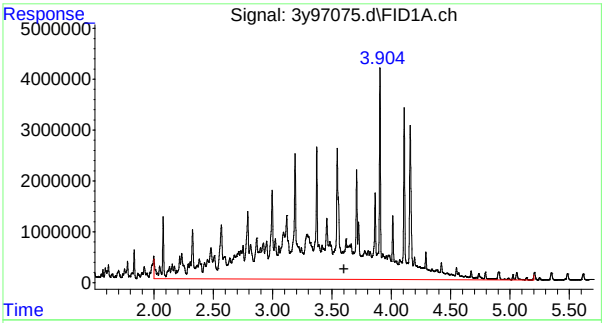
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97075.d
Signal(s) : FID1A.ch
Acq On : 18 Oct 2025 3:13 am
Operator : claudiab
Sample : cc3745-20
Misc : op68028,g3y3746,5.0,,,10,1
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 21:45:07 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Mon Oct 20 20:54:45 2025
Response via : Initial Calibration
Integrator: ChemStation

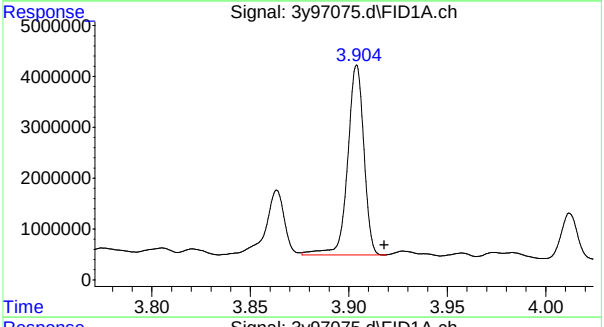
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





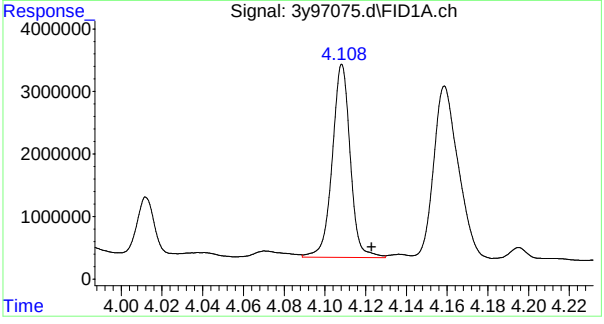
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 775239575
Conc: 22.54 PPM



#6 o-TERPHENYL

R.T.: 3.904 min
Delta R.T.: -0.014 min
Response: 21469521
Conc: 0.48 PPM m



#7 5a-ANDROSTANE

R.T.: 4.109 min
Delta R.T.: -0.014 min
Response: 19048783
Conc: 0.48 PPM

Manual Integration Approval Summary

Sample Number:	G3Y3746-CC3745	**Method:**	SW846 8015D
Lab FileID:	3Y97075.D	**Analyst approved:**	10/20/25 21:49 Rebecca Krug
Injection Time:	10/18/25 03:13	**Supervisor approved:**	10/20/25 21:56 Rebecca Krug

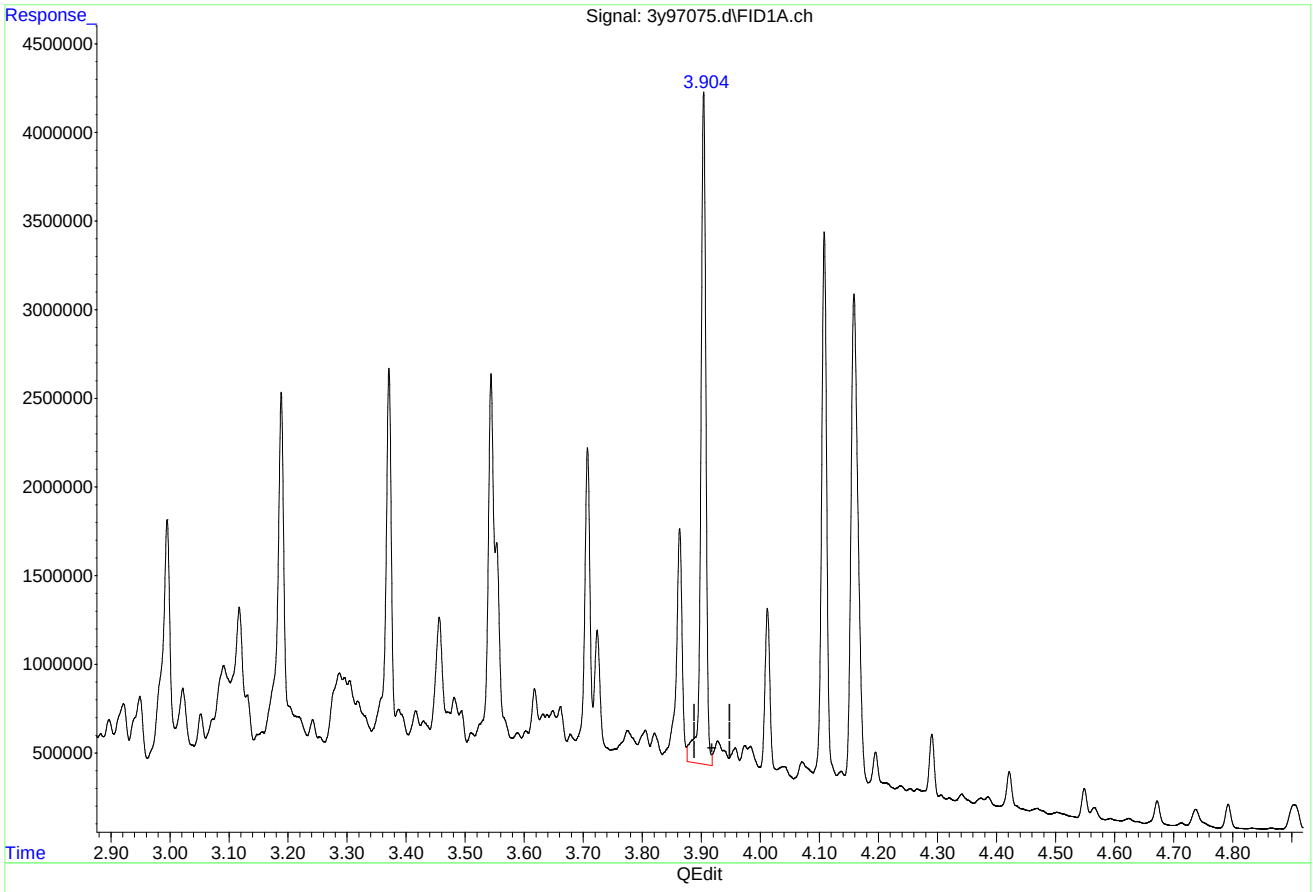
Parameter	CAS	Sig#	R.T. (min.)	Reason
o-Terphenyl	84-15-1	1	3.90	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97075.d
Signal(s) : FID1A.ch
Acq On : 18 Oct 2025 3:13 am
Operator : claudiab
Sample : cc3745-20
Misc : op68028,g3y3746,5.0,,,10,1
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 21:44:54 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Mon Oct 20 20:54:45 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.904min 0.505 PPM

response 22752020

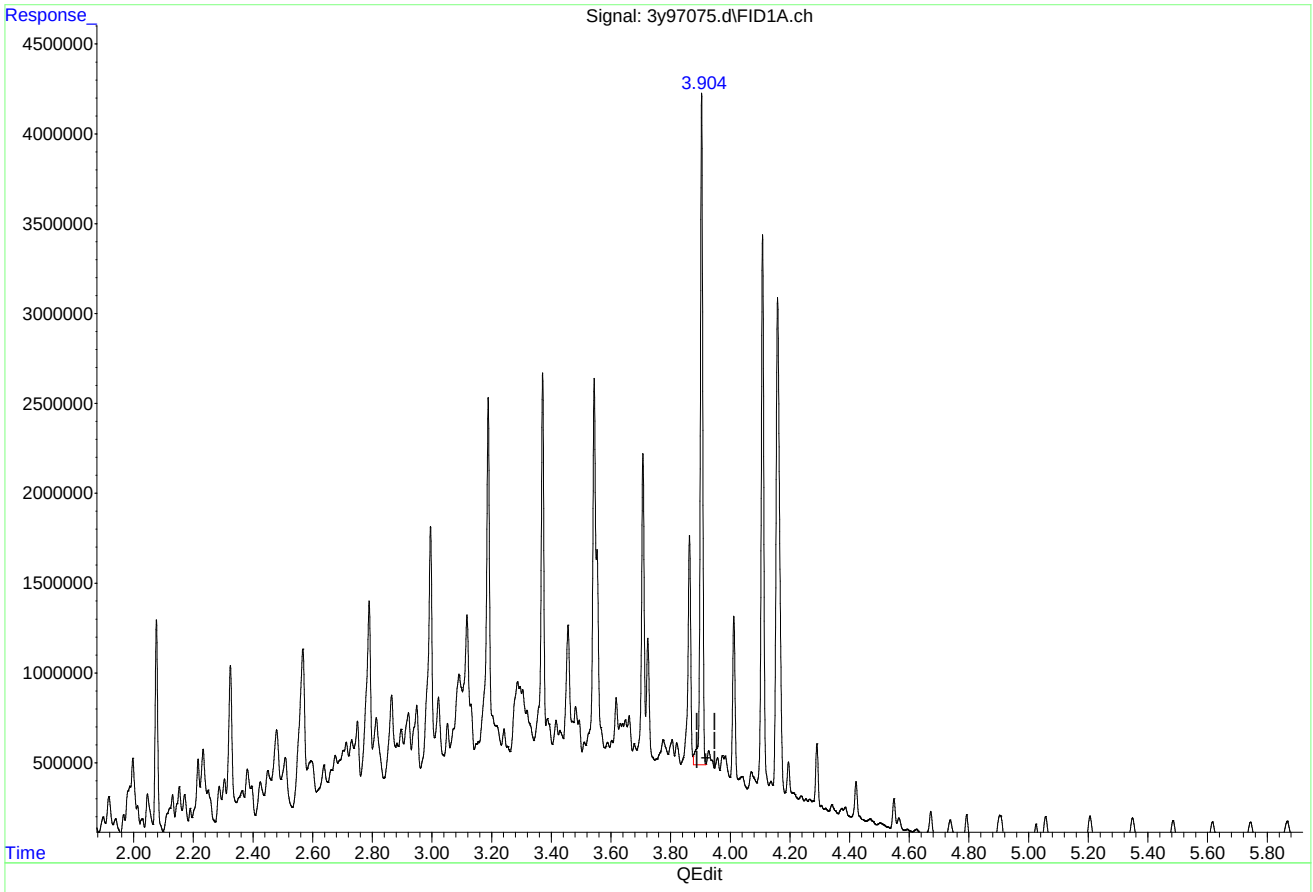
(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 21:45:04 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97075.d
Signal(s) : FID1A.ch
Acq On : 18 Oct 2025 3:13 am
Operator : claudiab
Sample : cc3745-20
Misc : op68028,g3y3746,5.0,,,10,1
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 21:44:54 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Mon Oct 20 20:54:45 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.904min 0.476 PPM m

response 21469521

(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 21:45:11 2025 Page: 1

Manual Integrations APPROVED (compounds with "m" flag)
Rebecca Krug
10/14/25 05:57

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\G3Z3740\
Data File : 3z96914.D
Signal(s) : FID2B.ch
Acq On : 13 Oct 2025 9:41 pm
Operator : rebeccak
Sample : ic3740-1
Misc : op68028,g3z3740,5.0,,,10,1
ALS Vial : 141 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 14 05:29:01 2025
Quant Method : C:\MSDCHEM\1\METHODS\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Tue Oct 14 05:28:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
6) S o-TERPHENYL	3.883	1160160	0.018	PPM	m
Spiked Amount 50.000		Recovery = 0.04%			
7) S 5a-ANDROSTANE	4.085	1215396	0.020	PPM	m
Spiked Amount 50.000		Recovery = 0.04%			
Target Compounds					
1) H TPH-DRO	3.600	48727300	0.991	PPM	

(f)=RT Delta > 1/2 Window (m)=manual int.

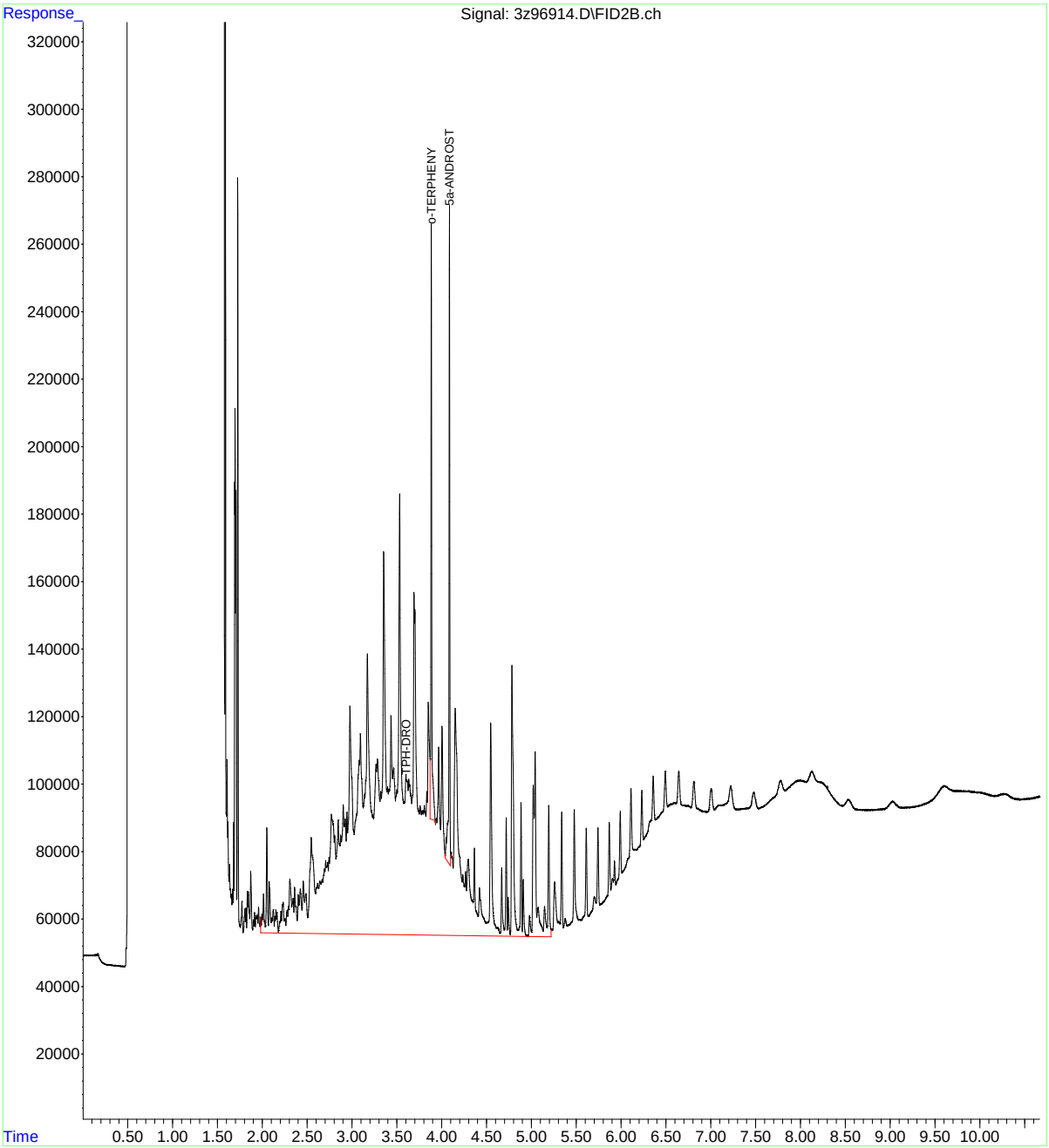
13.5.15
13

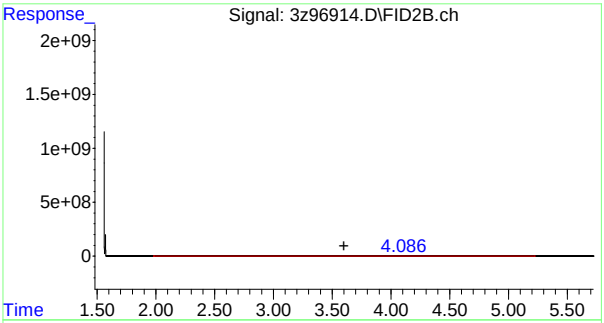
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\G3Z3740\
Data File : 3z96914.D
Signal(s) : FID2B.ch
Acq On : 13 Oct 2025 9:41 pm
Operator : rebeccak
Sample : ic3740-1
Misc : op68028,g3z3740,5.0,,,10,1
ALS Vial : 141 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 14 05:29:01 2025
Quant Method : C:\MSDCHEM\1\METHODS\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Tue Oct 14 05:28:06 2025
Response via : Initial Calibration
Integrator: ChemStation

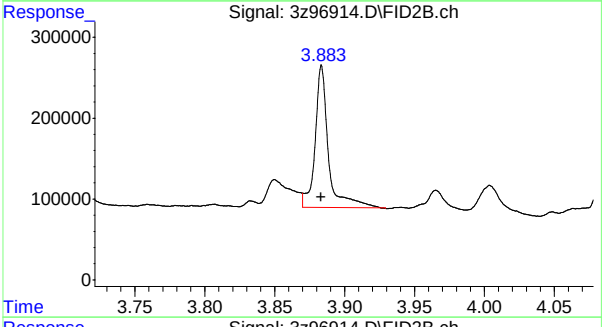
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





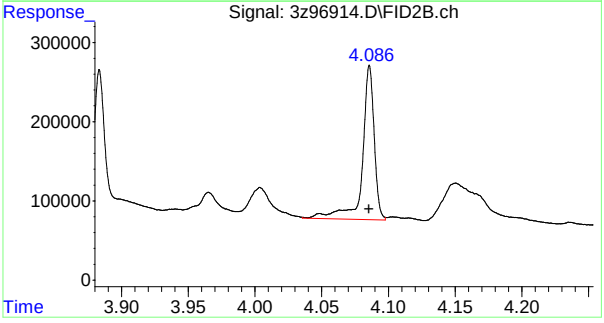
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 48727300
Conc: 0.99 PPM



#6 o-TERPHENYL

R.T.: 3.883 min
Delta R.T.: 0.000 min
Response: 1160160
Conc: 0.02 PPM m



#7 5a-ANDROSTANE

R.T.: 4.085 min
Delta R.T.: 0.000 min
Response: 1215396
Conc: 0.02 PPM m

13.5.15
13

Manual Integration Approval Summary

Sample Number: G3Z3740-IC3740
Lab FileID: 3Z96914.D
Injection Time: 10/13/25 21:41
Method: SW846 8015D
Analyst approved: 10/14/25 05:55 Rebecca Krug
Supervisor approved: 10/14/25 05:57 Rebecca Krug

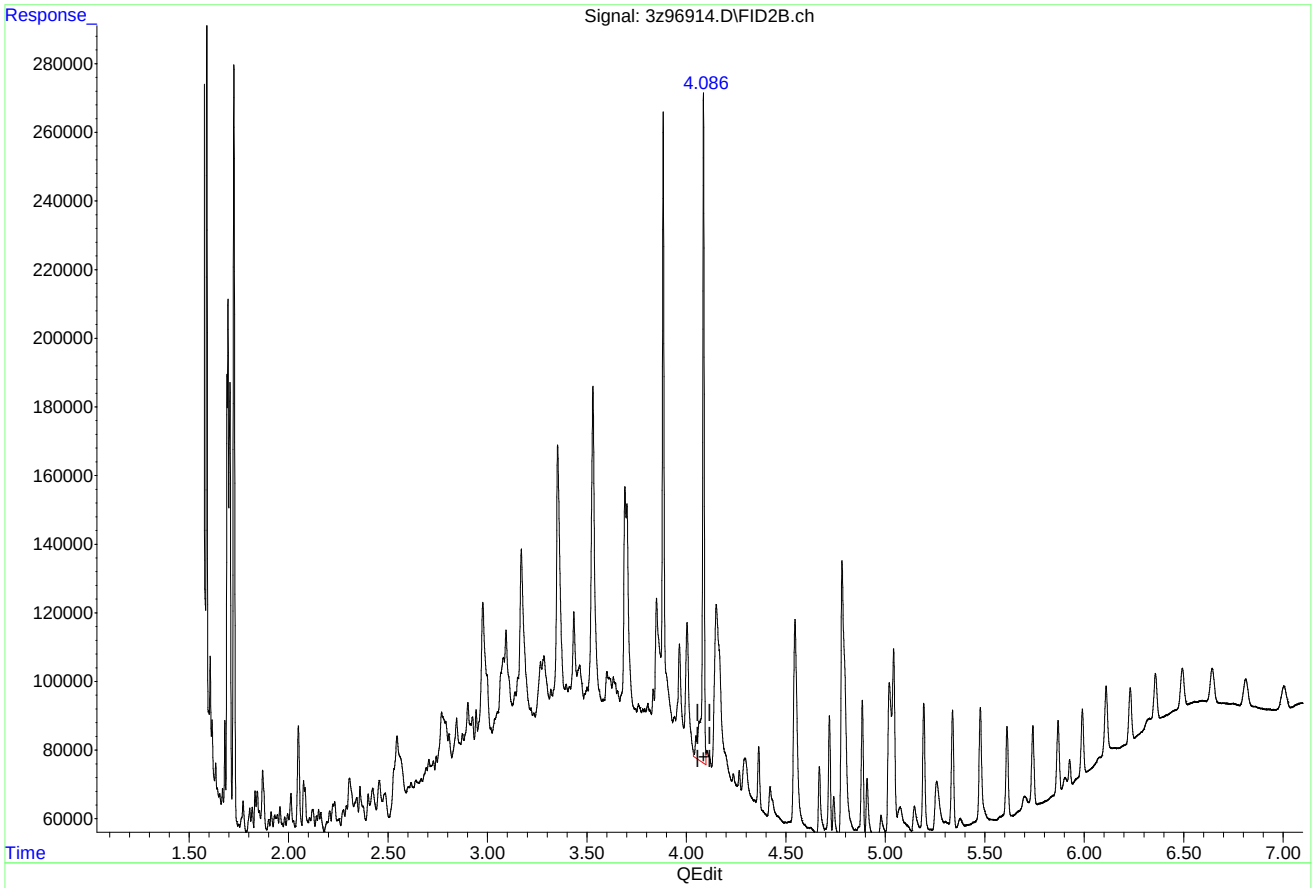
Parameter	CAS	Sig#	R.T. (min.)	Reason
o-Terphenyl	84-15-1	1	3.88	Poorly defined baseline
5a-Androstane	438-22-2	1	4.09	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G3Z3740\
Data File : 3z96914.D
Signal(s) : FID2B.ch
Acq On : 13 Oct 2025 9:41 pm
Operator : rebeccak
Sample : ic3740-1
Misc : op68028,g3z3740,5.0,,,10,1
ALS Vial : 141 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 14 05:28:14 2025
Quant Method : C:\MSDCHEM\1\METHODS\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Tue Oct 14 05:28:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.085min 0.020 PPM m

response 1215396

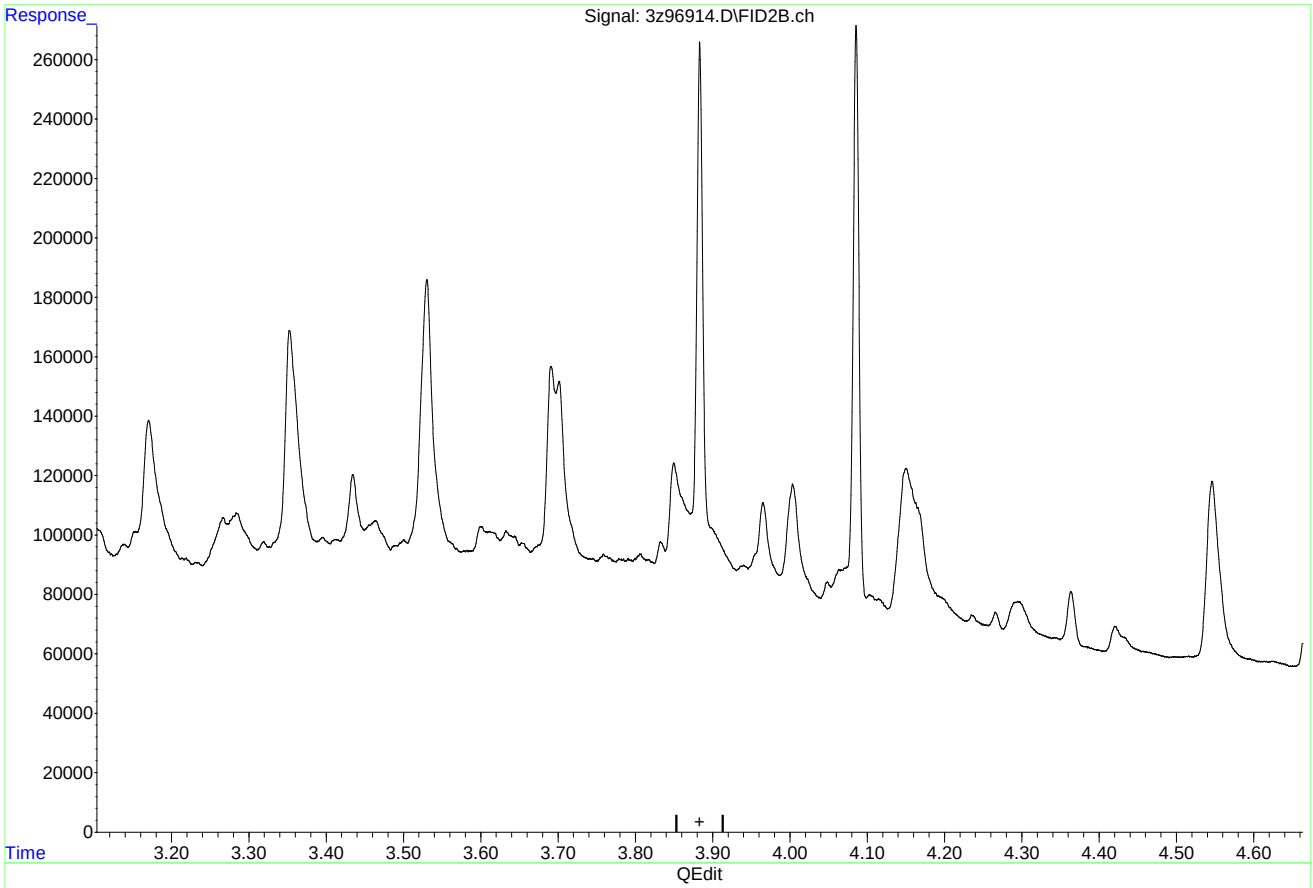
(+) = Expected Retention Time
DROLVI3Z3740.M Tue Oct 14 05:29:04 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G3Z3740\
Data File : 3z96914.D
Signal(s) : FID2B.ch
Acq On : 13 Oct 2025 9:41 pm
Operator : rebeccak
Sample : ic3740-1
Misc : op68028,g3z3740,5.0,,,10,1
ALS Vial : 141 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 14 05:28:14 2025
Quant Method : C:\MSDCHEM\1\METHODS\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Tue Oct 14 05:28:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.883min 0.000 PPM

response 0

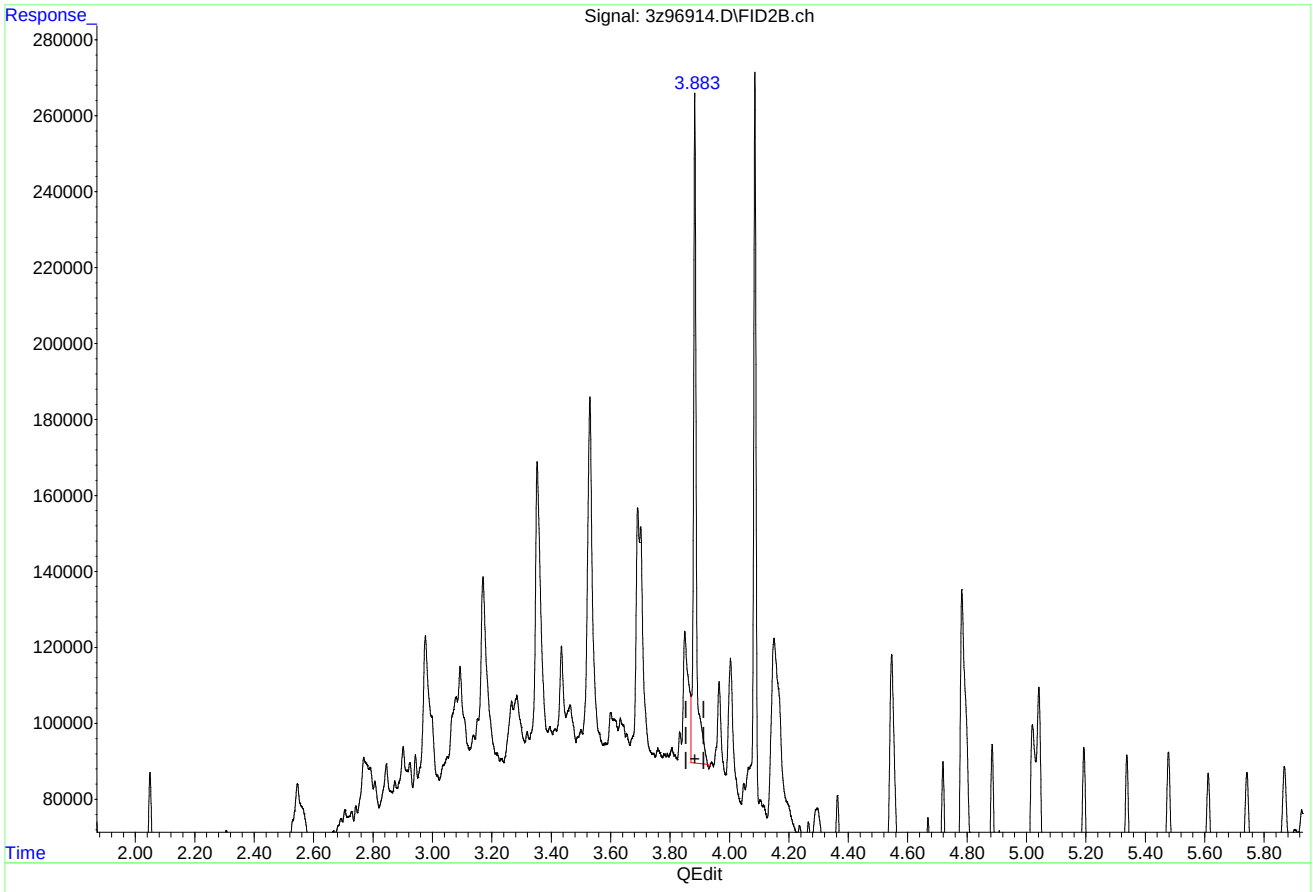
(+) = Expected Retention Time
DROLVI3Z3740.M Tue Oct 14 05:28:28 2025 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G3Z3740\
Data File : 3z96914.D
Signal(s) : FID2B.ch
Acq On : 13 Oct 2025 9:41 pm
Operator : rebeccak
Sample : ic3740-1
Misc : op68028,g3z3740,5.0,,,10,1
ALS Vial : 141 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 14 05:28:14 2025
Quant Method : C:\MSDCHEM\1\METHODS\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Tue Oct 14 05:28:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.883min 0.018 PPM m

response 1160160

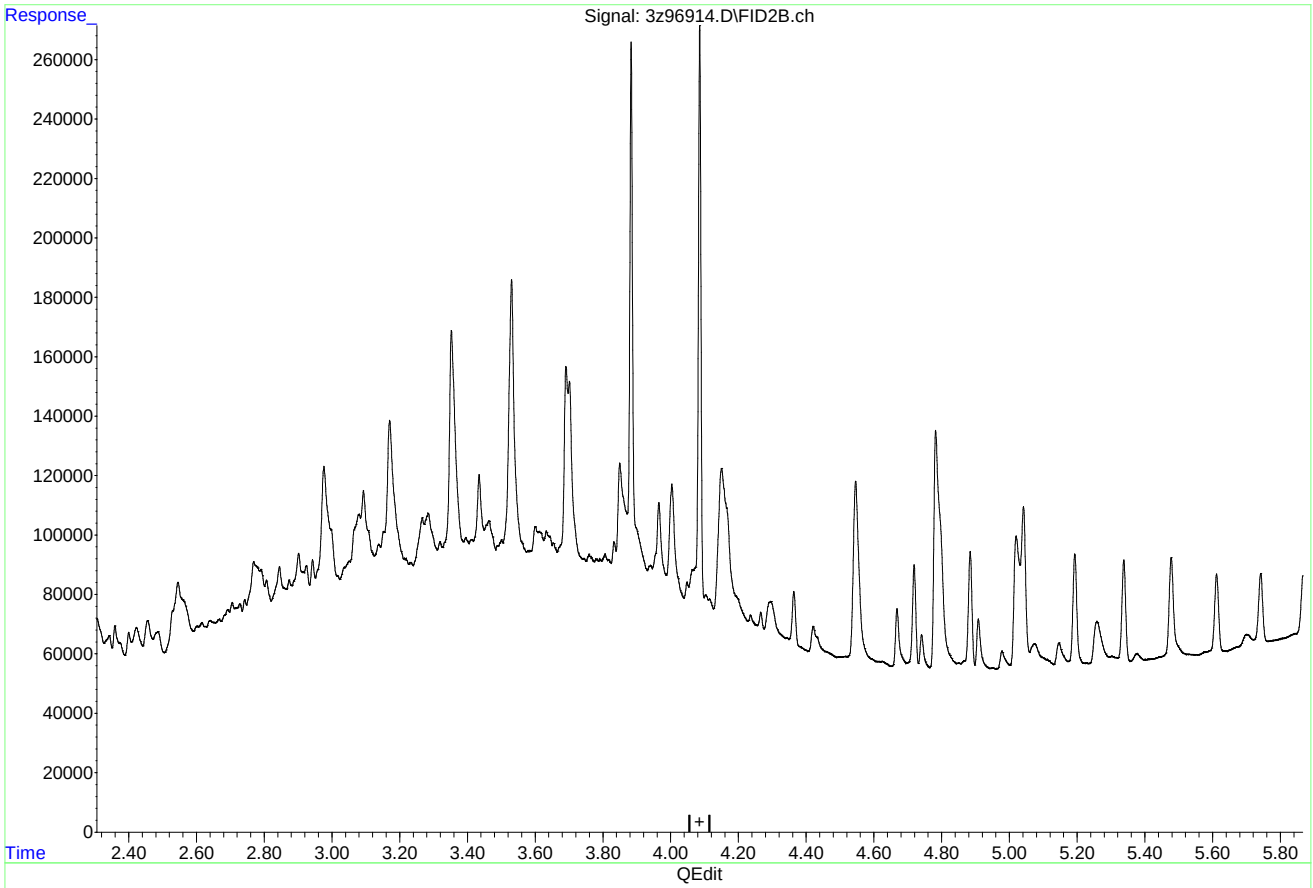
(+) = Expected Retention Time
DROLVI3Z3740.M Tue Oct 14 05:28:44 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G3Z3740\
Data File : 3z96914.D
Signal(s) : FID2B.ch
Acq On : 13 Oct 2025 9:41 pm
Operator : rebeccak
Sample : ic3740-1
Misc : op68028,g3z3740,5.0,,,10,1
ALS Vial : 141 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 14 05:28:14 2025
Quant Method : C:\MSDCHEM\1\METHODS\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Tue Oct 14 05:28:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.085min 0.000 PPM

response 0

(+) = Expected Retention Time
DROLVI3Z3740.M Tue Oct 14 05:28:52 2025 Page: 1

Manual Integrations APPROVED (compounds with "m" flag)
Rebecca Krug
10/14/25 05:57

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\G3Z3740\
Data File : 3z96915.D
Signal(s) : FID2B.ch
Acq On : 13 Oct 2025 10:01 pm
Operator : rebeccak
Sample : ic3740-2
Misc : op68028,g3z3740,5.0,,,10,1
ALS Vial : 142 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 14 05:30:01 2025
Quant Method : C:\MSDCHEM\1\METHODS\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Tue Oct 14 05:28:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
6) S o-TERPHENYL	3.884	1799899	0.027	PPM	m
Spiked Amount 50.000		Recovery =	0.05%		
7) S 5a-ANDROSTANE	4.087	1768495	0.030	PPM	m
Spiked Amount 50.000		Recovery =	0.06%		
Target Compounds					
1) H TPH-DRO	3.600	77389377	1.575	PPM	

(f)=RT Delta > 1/2 Window (m)=manual int.

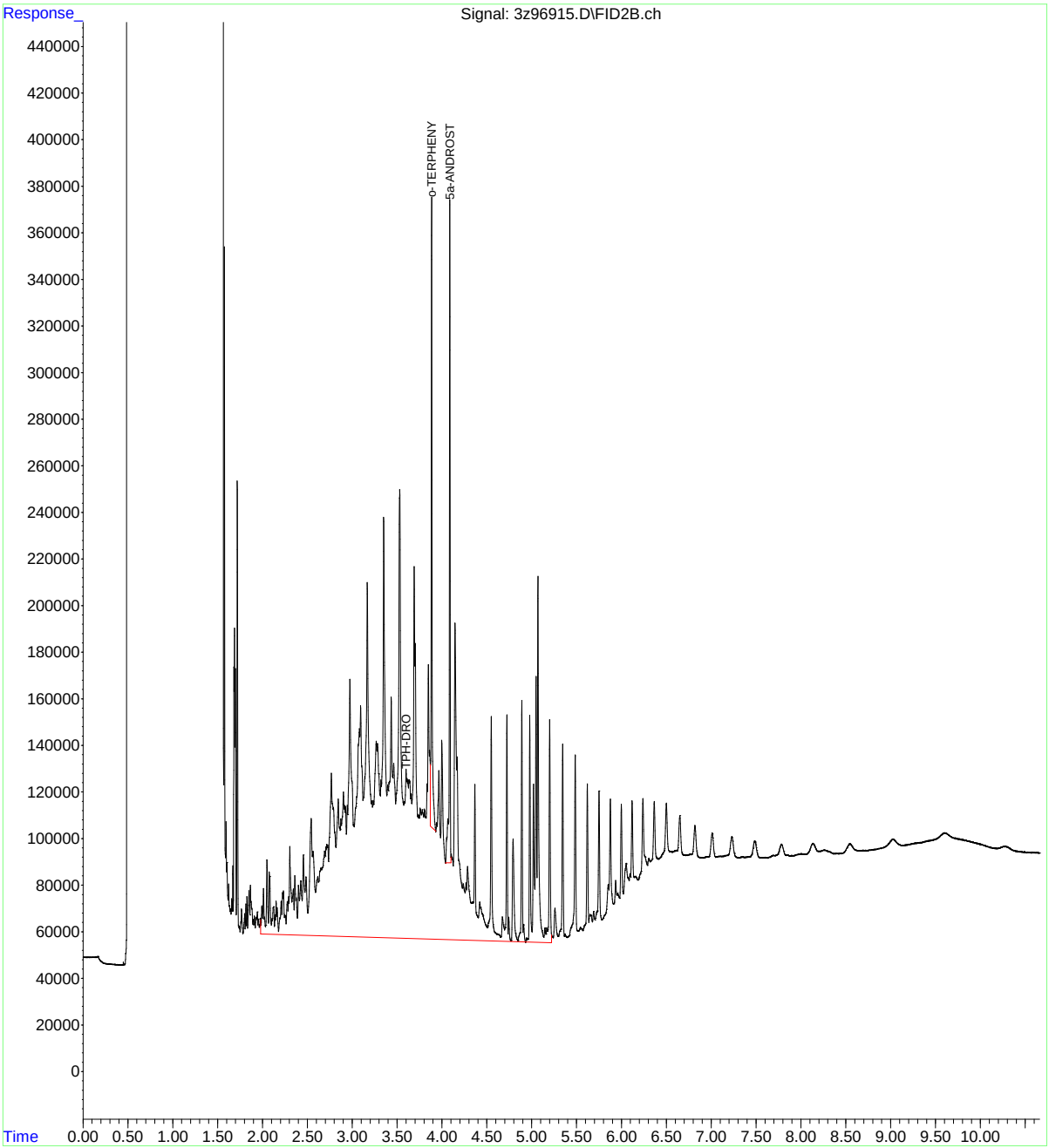
13.5.16
13

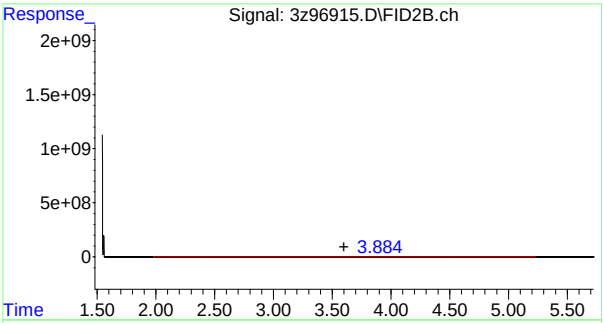
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\G3Z3740\
Data File : 3z96915.D
Signal(s) : FID2B.ch
Acq On : 13 Oct 2025 10:01 pm
Operator : rebeccak
Sample : ic3740-2
Misc : op68028,g3z3740,5.0,,,10,1
ALS Vial : 142 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 14 05:30:01 2025
Quant Method : C:\MSDCHEM\1\METHODS\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Tue Oct 14 05:28:06 2025
Response via : Initial Calibration
Integrator: ChemStation

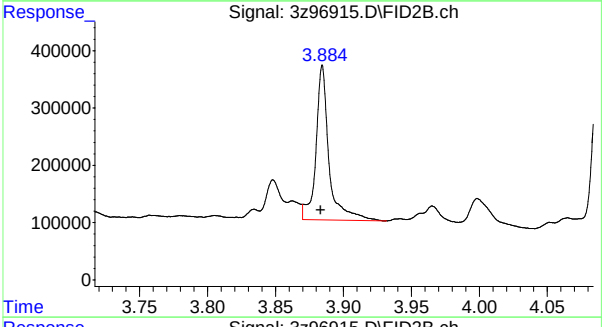
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





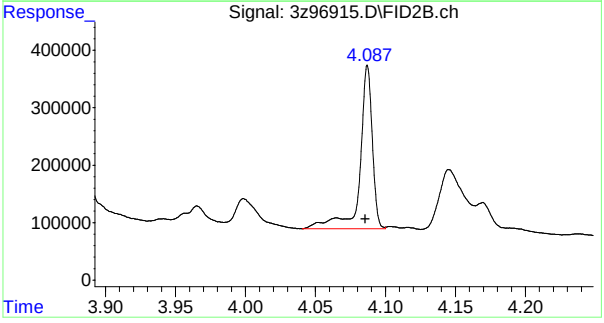
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 77389377
Conc: 1.57 PPM



#6 o-TERPHENYL

R.T.: 3.884 min
Delta R.T.: 0.001 min
Response: 1799899
Conc: 0.03 PPM m



#7 5a-ANDROSTANE

R.T.: 4.087 min
Delta R.T.: 0.001 min
Response: 1768495
Conc: 0.03 PPM m

13.5.16
13

Manual Integration Approval Summary

Sample Number:	G3Z3740-IC3740	**Method:**	SW846 8015D
Lab FileID:	3Z96915.D	**Analyst approved:**	10/14/25 05:55 Rebecca Krug
Injection Time:	10/13/25 22:01	**Supervisor approved:**	10/14/25 05:57 Rebecca Krug

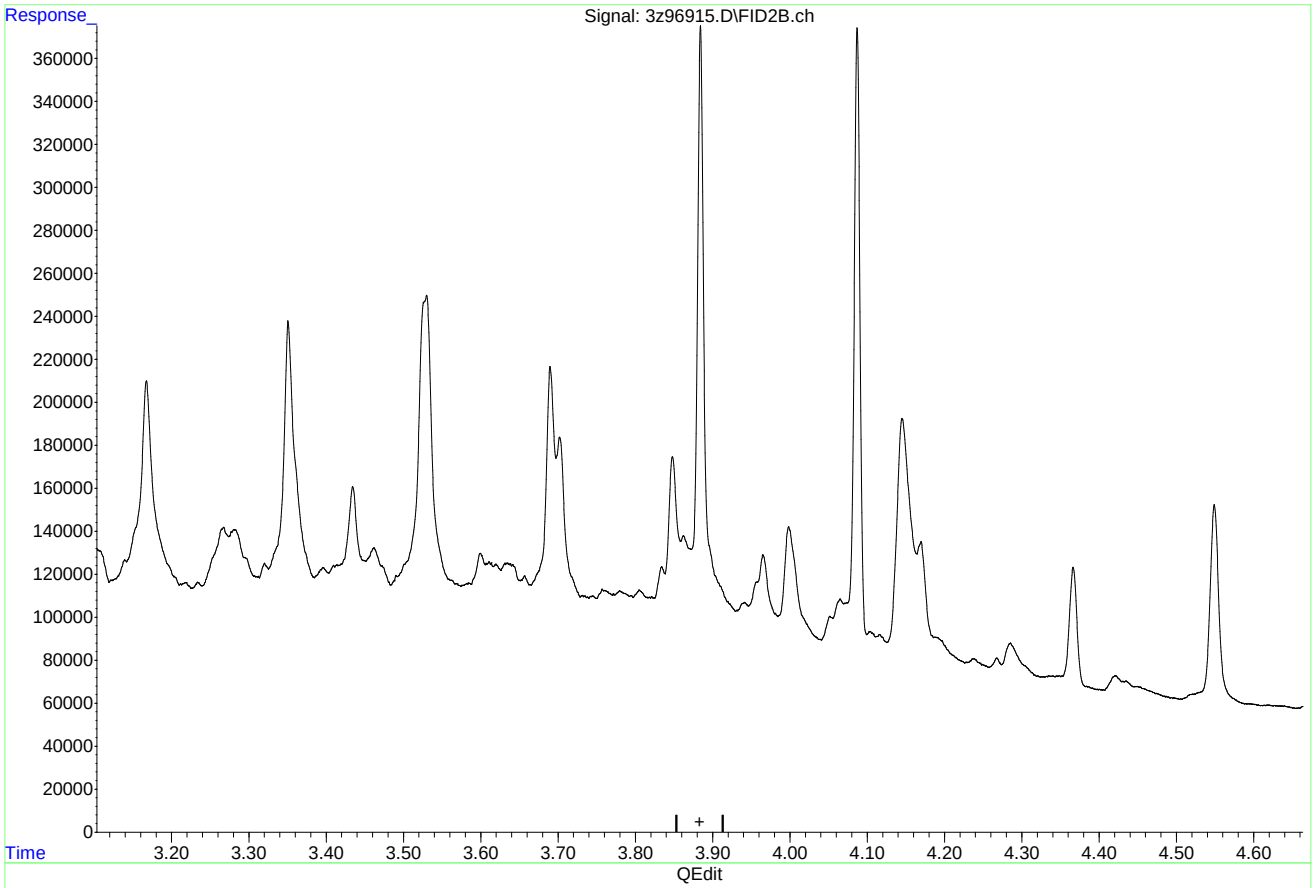
Parameter	CAS	Sig#	R.T. (min.)	Reason
o-Terphenyl	84-15-1	1	3.88	Poorly defined baseline
5a-Androstane	438-22-2	1	4.09	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G3Z3740\
Data File : 3z96915.D
Signal(s) : FID2B.ch
Acq On : 13 Oct 2025 10:01 pm
Operator : rebeccak
Sample : ic3740-2
Misc : op68028,g3z3740,5.0,,,10,1
ALS Vial : 142 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 14 05:29:22 2025
Quant Method : C:\MSDCHEM\1\METHODS\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Tue Oct 14 05:28:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.883min 0.000 PPM

response 0

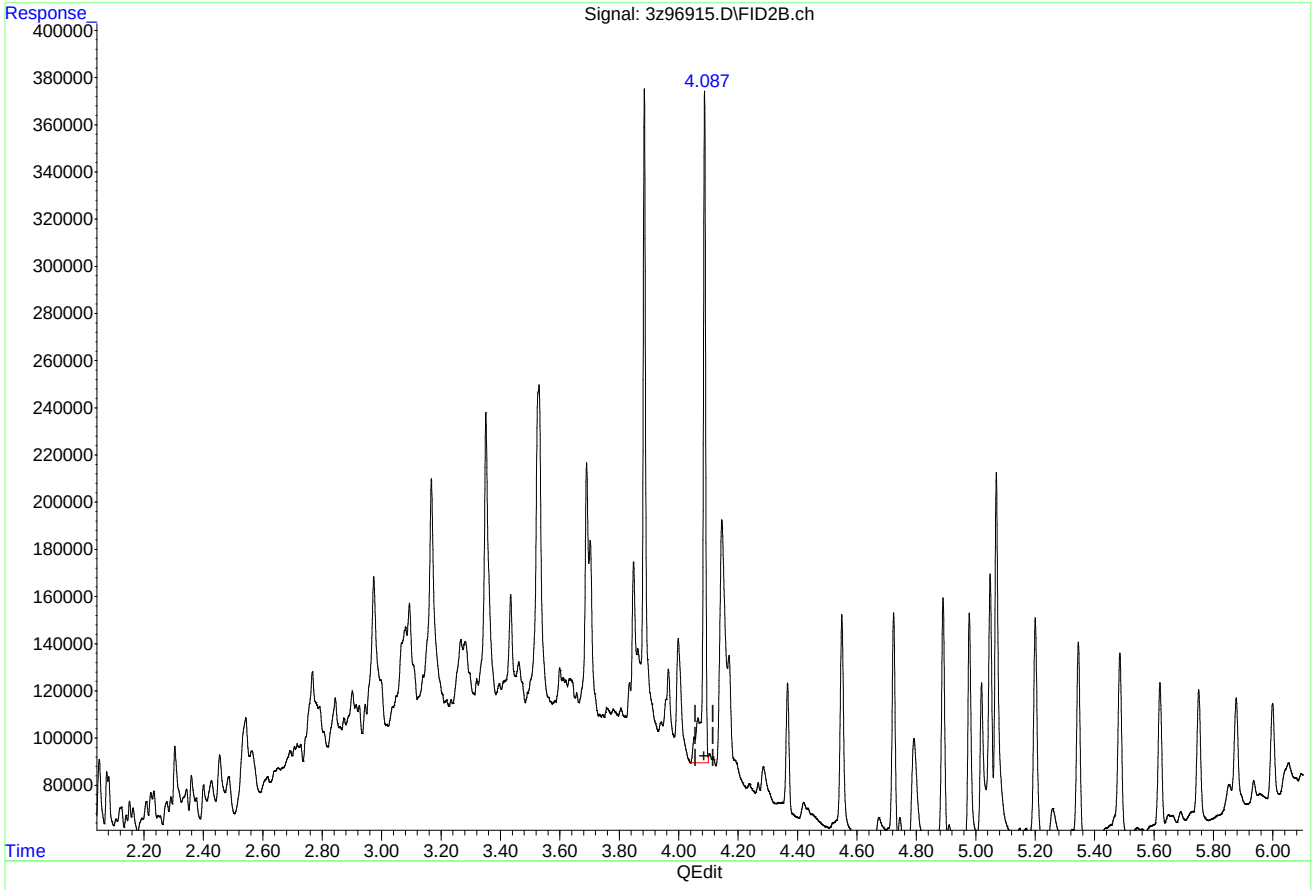
(+) = Expected Retention Time
DROLVI3Z3740.M Tue Oct 14 05:29:37 2025 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G3Z3740\
Data File : 3z96915.D
Signal(s) : FID2B.ch
Acq On : 13 Oct 2025 10:01 pm
Operator : rebeccak
Sample : ic3740-2
Misc : op68028,g3z3740,5.0,,,10,1
ALS Vial : 142 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 14 05:29:22 2025
Quant Method : C:\MSDCHEM\1\METHODS\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Tue Oct 14 05:28:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.087min 0.030 PPM m

response 1768495

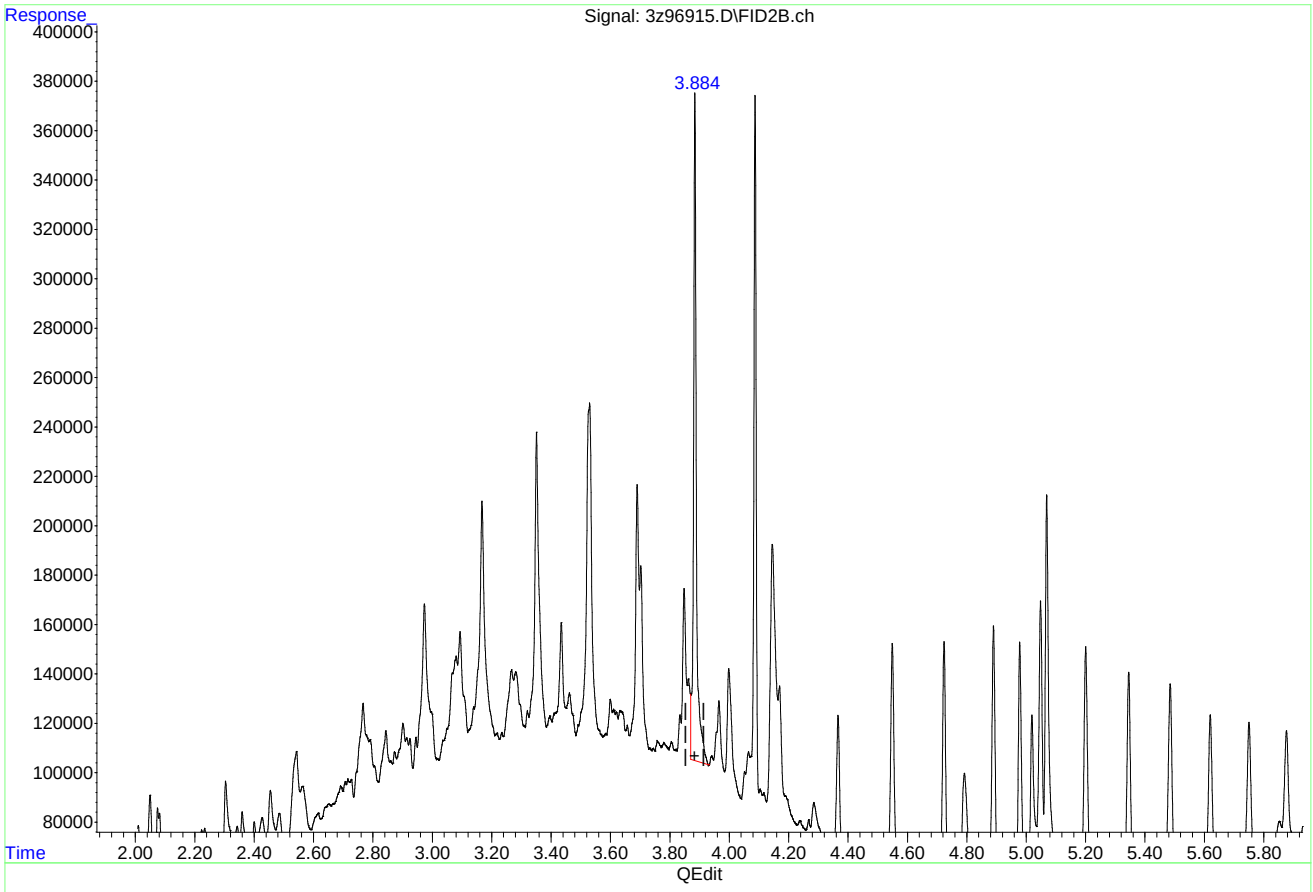
(+) = Expected Retention Time
DROLVI3Z3740.M Tue Oct 14 05:30:05 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G3Z3740\
Data File : 3z96915.D
Signal(s) : FID2B.ch
Acq On : 13 Oct 2025 10:01 pm
Operator : rebeccak
Sample : ic3740-2
Misc : op68028,g3z3740,5.0,,,10,1
ALS Vial : 142 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 14 05:29:22 2025
Quant Method : C:\MSDCHEM\1\METHODS\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Tue Oct 14 05:28:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.884min 0.027 PPM m

response 1799899

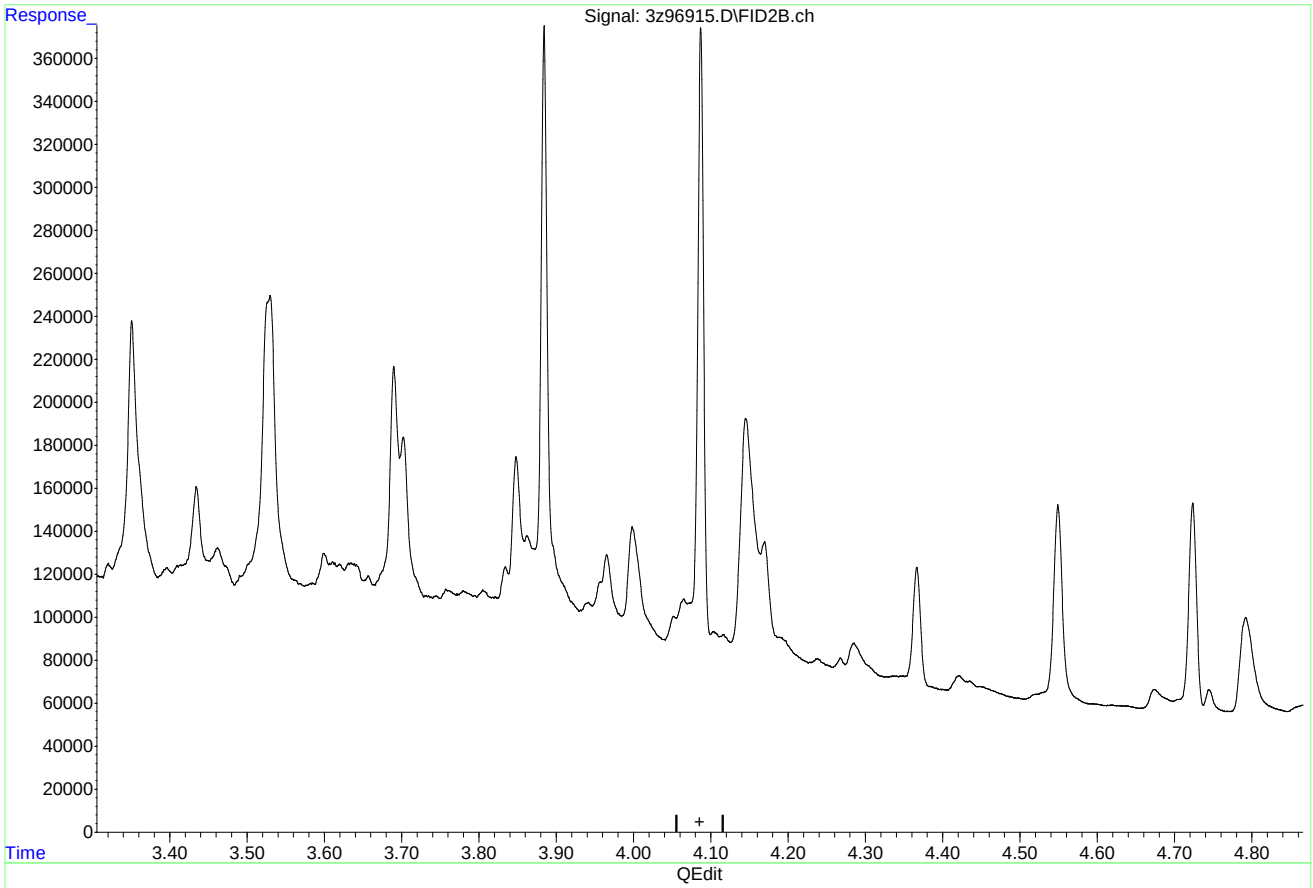
(+) = Expected Retention Time
DROLVI3Z3740.M Tue Oct 14 05:29:48 2025 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G3Z3740\
Data File : 3z96915.D
Signal(s) : FID2B.ch
Acq On : 13 Oct 2025 10:01 pm
Operator : rebeccak
Sample : ic3740-2
Misc : op68028,g3z3740,5.0,,,10,1
ALS Vial : 142 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 14 05:29:22 2025
Quant Method : C:\MSDCHEM\1\METHODS\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Tue Oct 14 05:28:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.085min 0.000 PPM

response 0

(+) = Expected Retention Time
DROLVI3Z3740.M Tue Oct 14 05:29:53 2025

Manual Integrations APPROVED (compounds with "m" flag)
Rebecca Krug
10/14/25 05:57

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\G3Z3740\
Data File : 3z96916.D
Signal(s) : FID2B.ch
Acq On : 13 Oct 2025 10:21 pm
Operator : rebeccak
Sample : ic3740-4
Misc : op68028,g3z3740,5.0,,,10,1
ALS Vial : 143 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 14 05:31:09 2025
Quant Method : C:\MSDCHEM\1\METHODS\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Tue Oct 14 05:28:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
6) S o-TERPHENYL	3.884	4109589	0.062	PPM	m
Spiked Amount 50.000		Recovery = 0.12%			
7) S 5a-ANDROSTANE	4.087	3707517	0.062	PPM	m
Spiked Amount 50.000		Recovery = 0.12%			
Target Compounds					
1) H TPH-DRO	3.600	143700396	2.924	PPM	

(f)=RT Delta > 1/2 Window (m)=manual int.

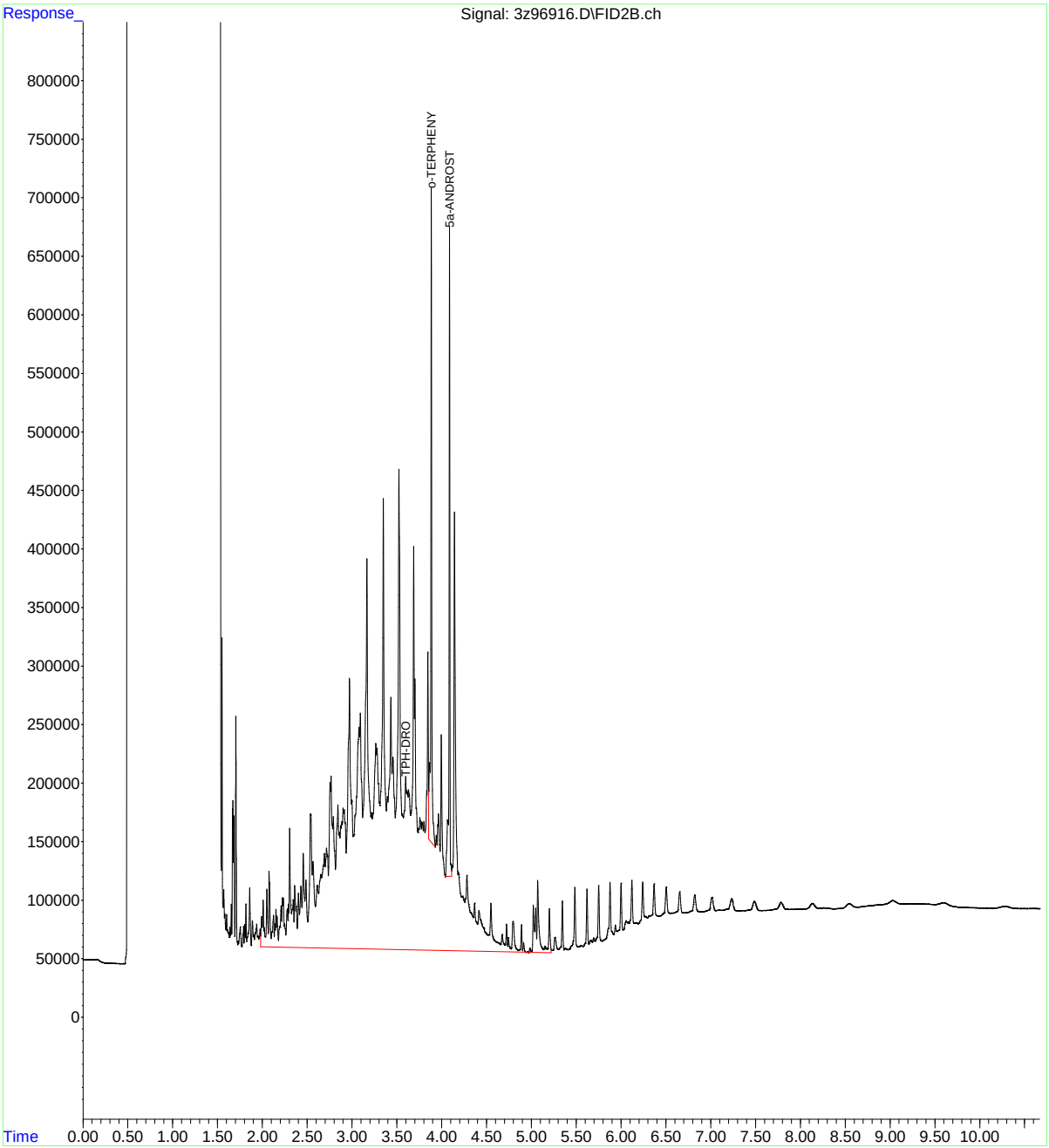
13.5.17
13

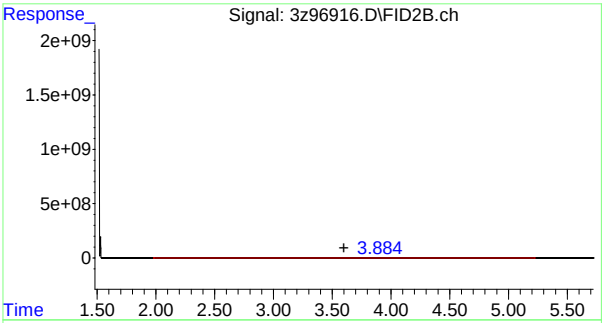
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\G3Z3740\
Data File : 3z96916.D
Signal(s) : FID2B.ch
Acq On : 13 Oct 2025 10:21 pm
Operator : rebeccak
Sample : ic3740-4
Misc : op68028,g3z3740,5.0,,,10,1
ALS Vial : 143 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 14 05:31:09 2025
Quant Method : C:\MSDCHEM\1\METHODS\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Tue Oct 14 05:28:06 2025
Response via : Initial Calibration
Integrator: ChemStation

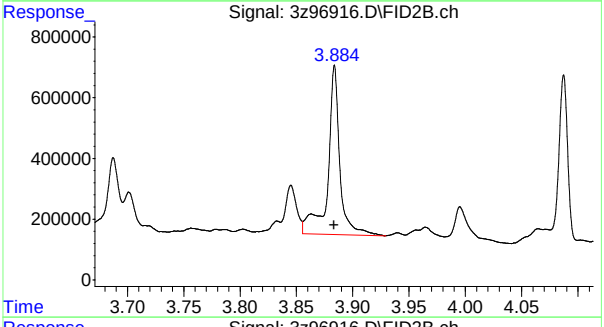
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





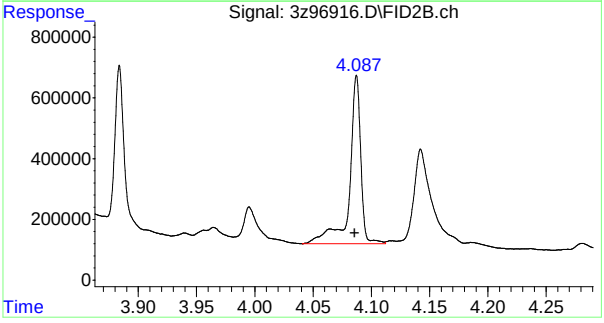
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 143700396
Conc: 2.92 PPM



#6 o-TERPHENYL

R.T.: 3.884 min
Delta R.T.: 0.000 min
Response: 4109589
Conc: 0.06 PPM m



#7 5a-ANDROSTANE

R.T.: 4.087 min
Delta R.T.: 0.002 min
Response: 3707517
Conc: 0.06 PPM m

13.5.17
13

Manual Integration Approval Summary

Sample Number:	G3Z3740-IC3740	**Method:**	SW846 8015D
Lab FileID:	3Z96916.D	**Analyst approved:**	10/14/25 05:55 Rebecca Krug
Injection Time:	10/13/25 22:21	**Supervisor approved:**	10/14/25 05:57 Rebecca Krug

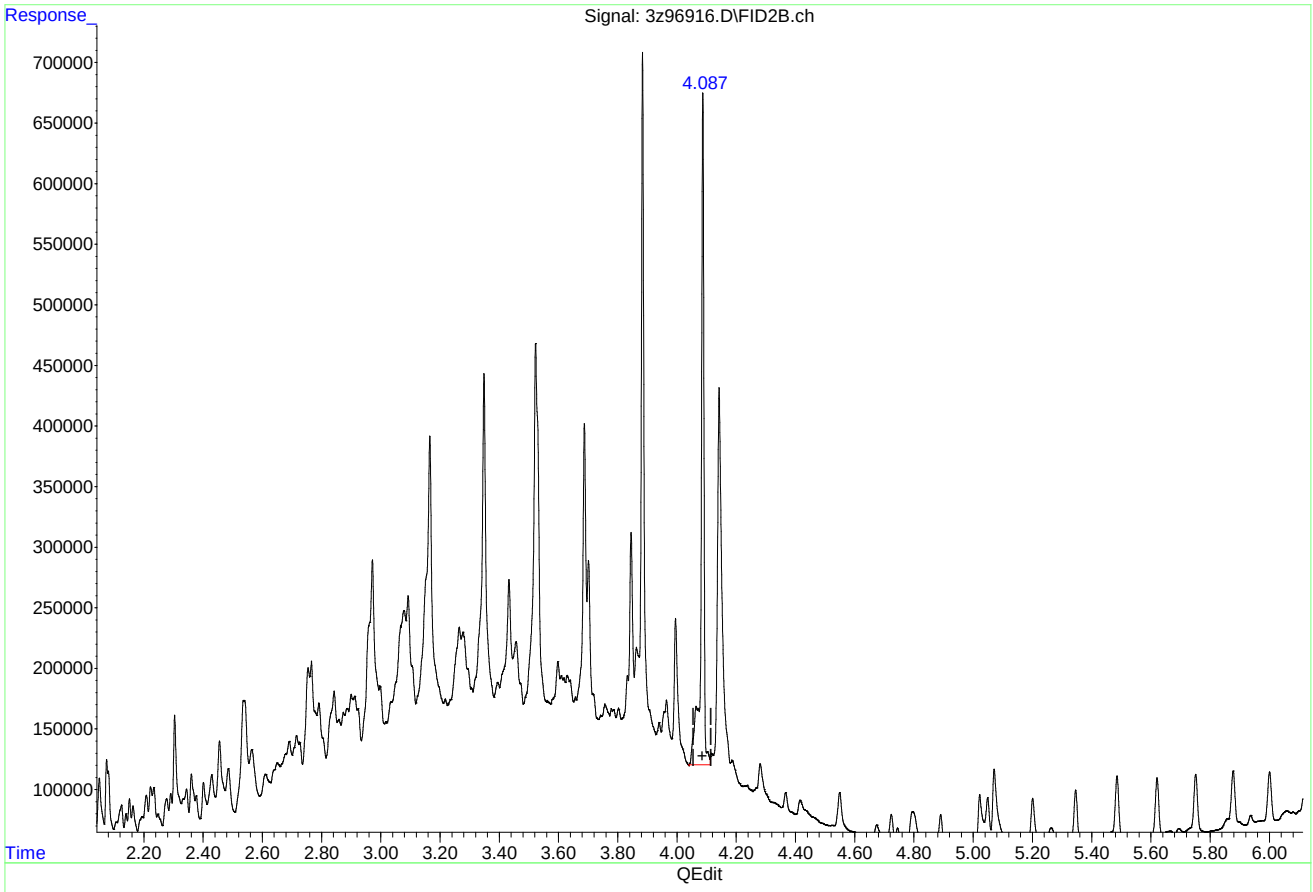
Parameter	CAS	Sig#	R.T. (min.)	Reason
o-Terphenyl	84-15-1	1	3.88	Poorly defined baseline
5a-Androstane	438-22-2	1	4.09	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G3Z3740\
Data File : 3z96916.D
Signal(s) : FID2B.ch
Acq On : 13 Oct 2025 10:21 pm
Operator : rebeccak
Sample : ic3740-4
Misc : op68028,g3z3740,5.0,,,10,1
ALS Vial : 143 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 14 05:30:22 2025
Quant Method : C:\MSDCHEM\1\METHODS\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Tue Oct 14 05:28:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.087min 0.062 PPM m

response 3707517

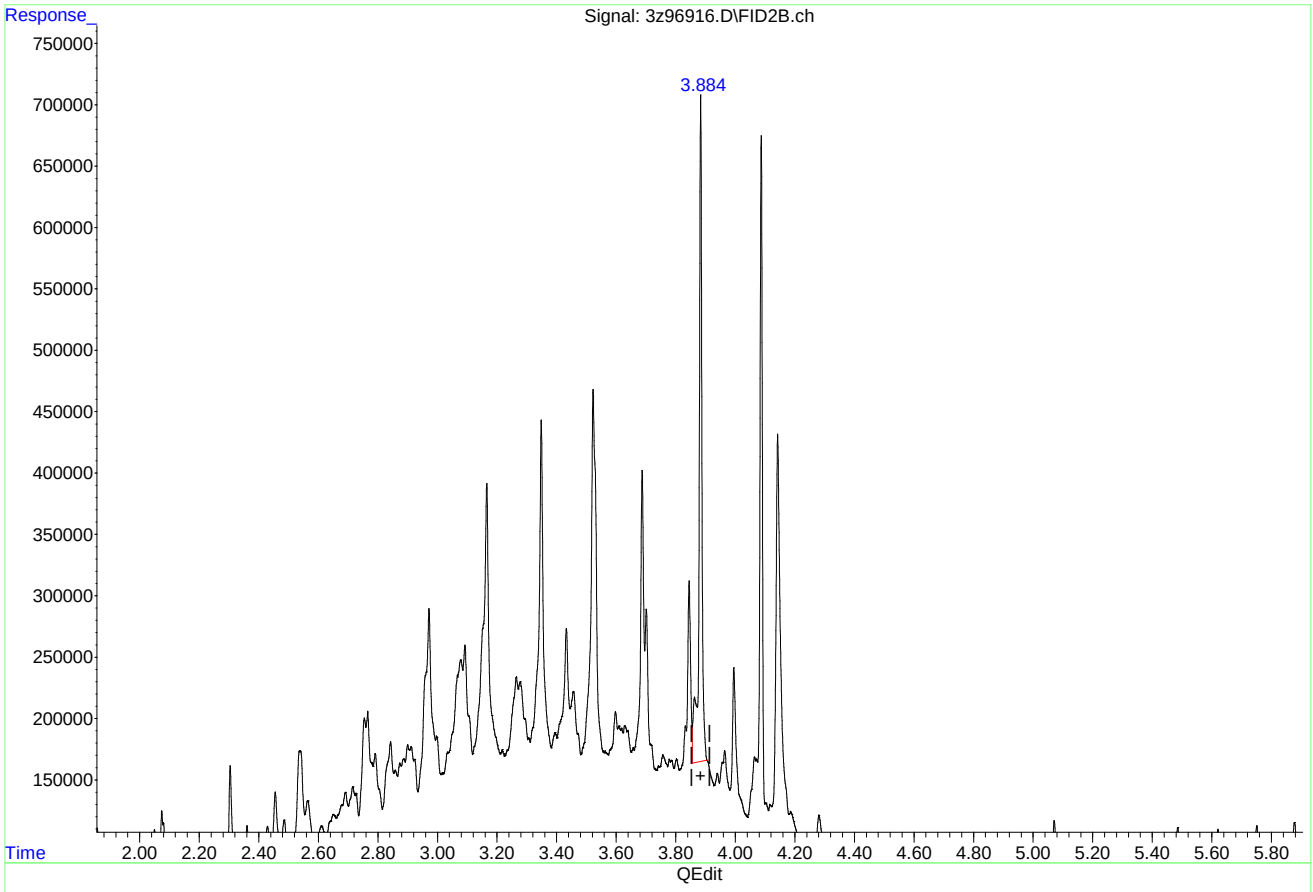
(+) = Expected Retention Time
DROLVI3Z3740.M Tue Oct 14 05:31:13 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G3Z3740\
Data File : 3z96916.D
Signal(s) : FID2B.ch
Acq On : 13 Oct 2025 10:21 pm
Operator : rebeccak
Sample : ic3740-4
Misc : op68028,g3z3740,5.0,,,10,1
ALS Vial : 143 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 14 05:30:22 2025
Quant Method : C:\MSDCHEM\1\METHODS\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Tue Oct 14 05:28:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.884min 0.053 PPM

response 3544739

(+) = Expected Retention Time
DROLVI3Z3740.M Tue Oct 14 05:30:41 2025 Page: 1

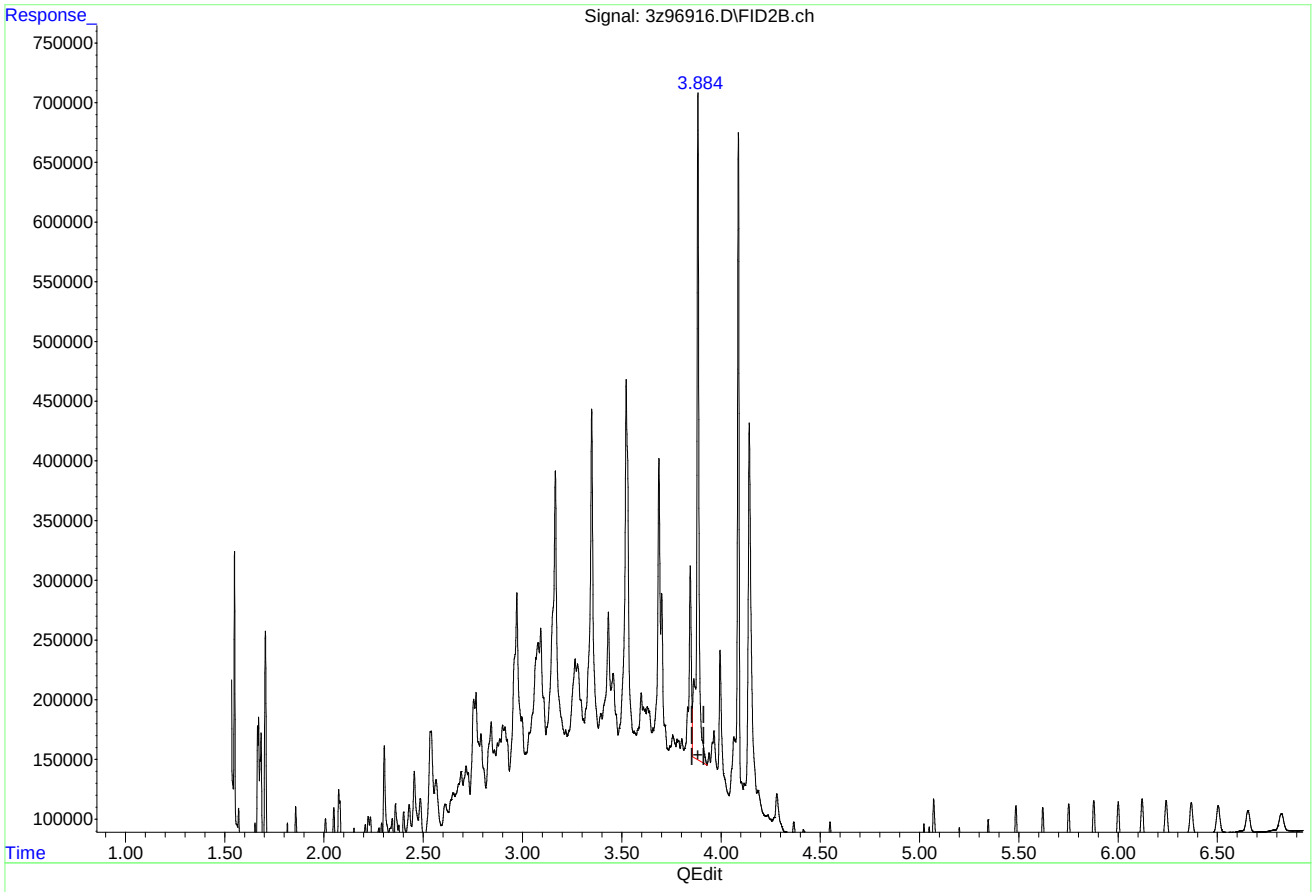
13.5.17.3
13

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G3Z3740\
Data File : 3z96916.D
Signal(s) : FID2B.ch
Acq On : 13 Oct 2025 10:21 pm
Operator : rebeccak
Sample : ic3740-4
Misc : op68028,g3z3740,5.0,,,10,1
ALS Vial : 143 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 14 05:30:22 2025
Quant Method : C:\MSDCHEM\1\METHODS\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Tue Oct 14 05:28:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.884min 0.062 PPM m

response 4109589

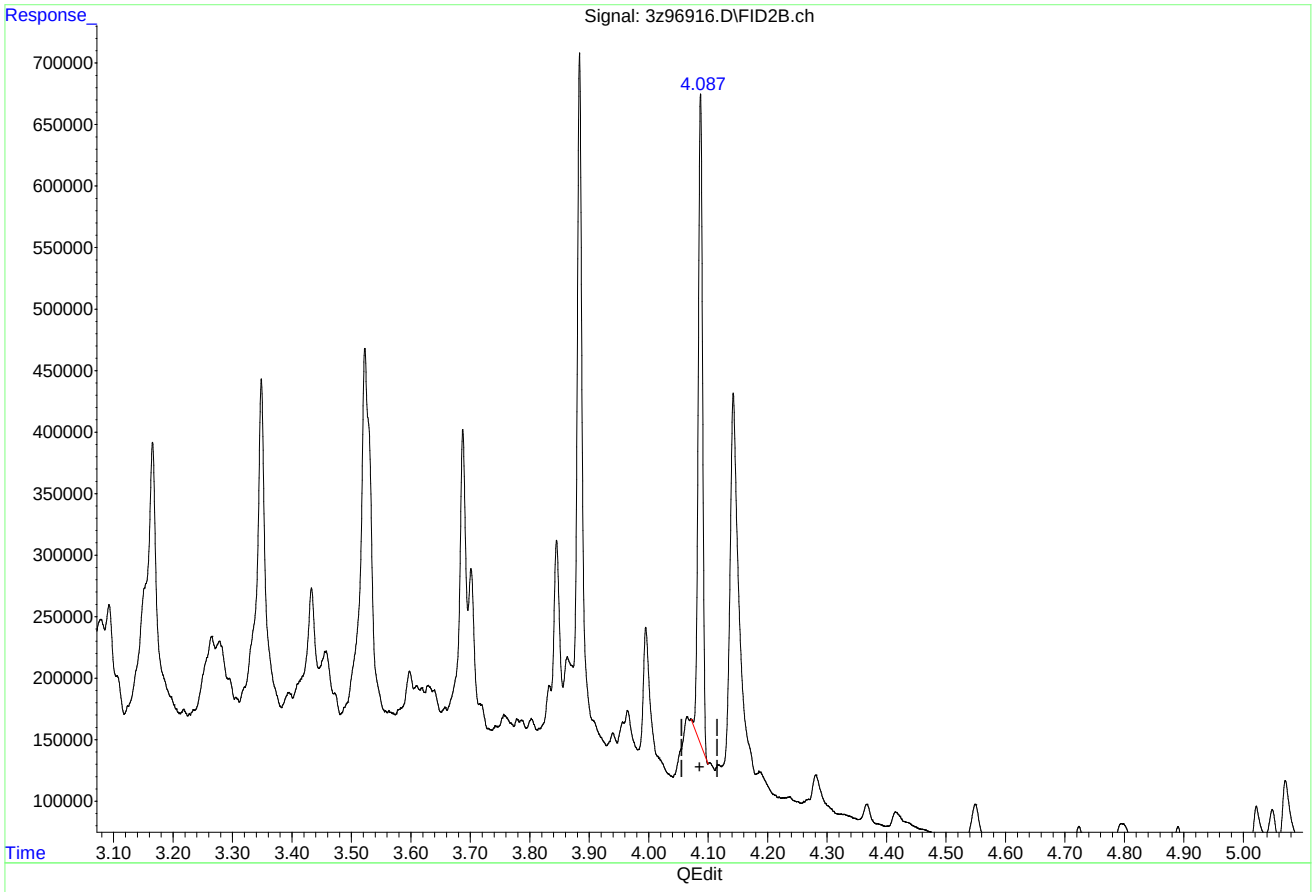
(+) = Expected Retention Time
DROLVI3Z3740.M Tue Oct 14 05:30:59 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G3Z3740\
Data File : 3z96916.D
Signal(s) : FID2B.ch
Acq On : 13 Oct 2025 10:21 pm
Operator : rebeccak
Sample : ic3740-4
Misc : op68028,g3z3740,5.0,,,10,1
ALS Vial : 143 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 14 05:30:22 2025
Quant Method : C:\MSDCHEM\1\METHODS\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Tue Oct 14 05:28:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.087min 0.045 PPM

response 2692386

(+) = Expected Retention Time
DROLVI3Z3740.M Tue Oct 14 05:31:03 2025

Manual Integrations APPROVED (compounds with "m" flag)
Rebecca Krug
10/14/25 05:57

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\G3Z3740\
Data File : 3z96917.D
Signal(s) : FID2B.ch
Acq On : 13 Oct 2025 10:41 pm
Operator : rebeccak
Sample : ic3740-10
Misc : op68028,g3z3740,5.0,,,10,1
ALS Vial : 144 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 14 05:33:08 2025
Quant Method : C:\MSDCHEM\1\METHODS\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Tue Oct 14 05:28:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
6) S o-TERPHENYL	3.883	10840955	0.164	PPM	m
Spiked Amount 50.000		Recovery = 0.33%			
7) S 5a-ANDROSTANE	4.086	9919407	0.166	PPM	m
Spiked Amount 50.000		Recovery = 0.33%			
Target Compounds					
1) H TPH-DRO	3.600	357709322	7.278	PPM	

(f)=RT Delta > 1/2 Window (m)=manual int.

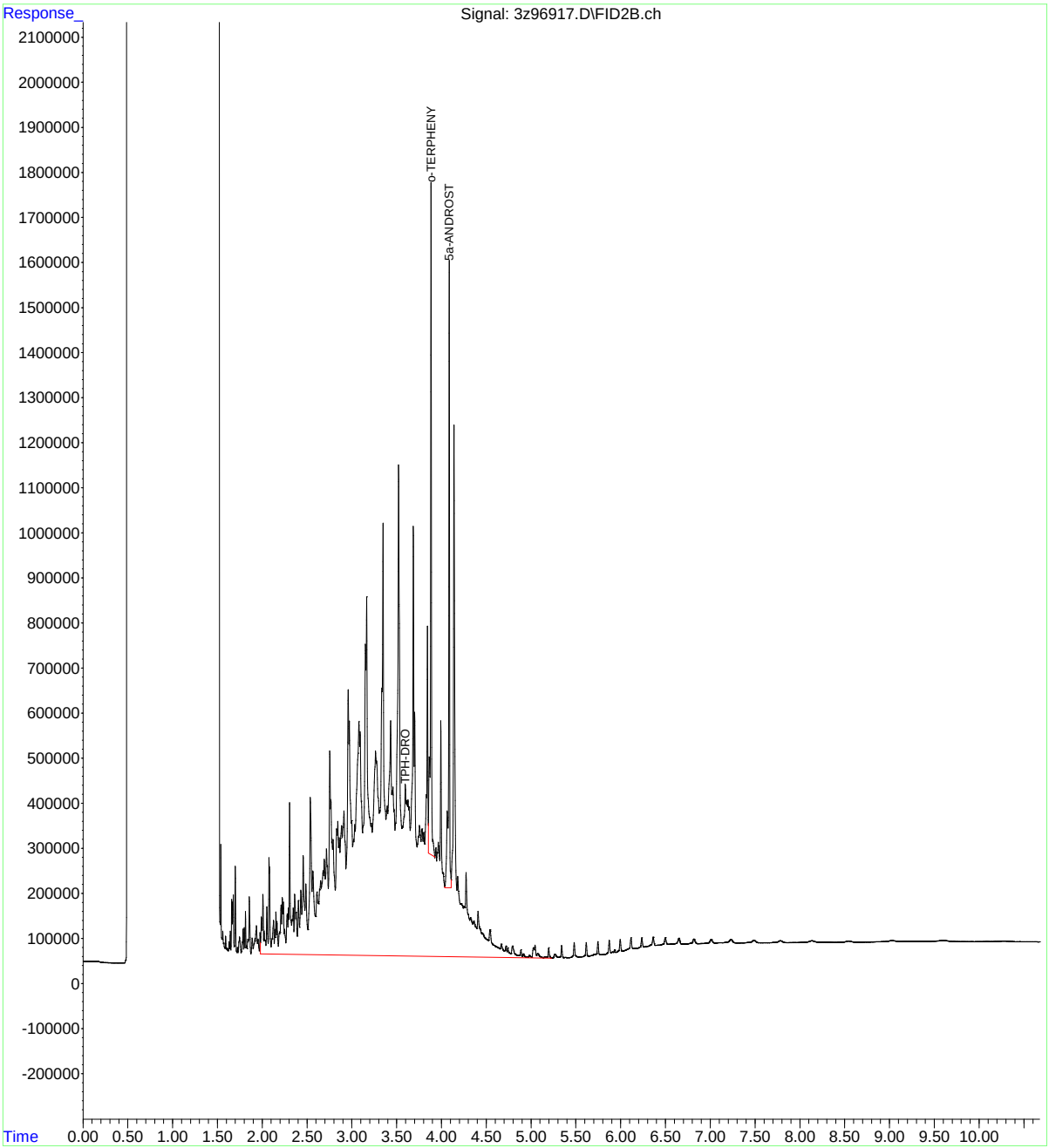
13.5.18
13

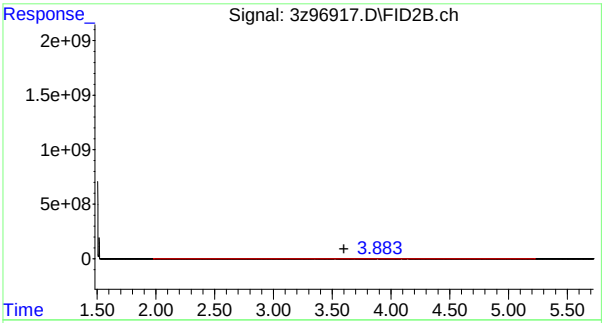
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\G3Z3740\
Data File : 3z96917.D
Signal(s) : FID2B.ch
Acq On : 13 Oct 2025 10:41 pm
Operator : rebeccak
Sample : ic3740-10
Misc : op68028,g3z3740,5.0,,,10,1
ALS Vial : 144 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 14 05:33:08 2025
Quant Method : C:\MSDCHEM\1\METHODS\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Tue Oct 14 05:28:06 2025
Response via : Initial Calibration
Integrator: ChemStation

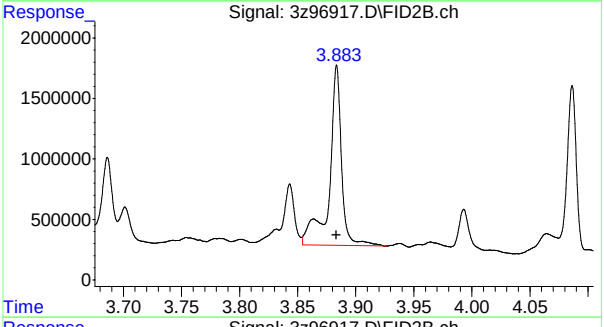
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





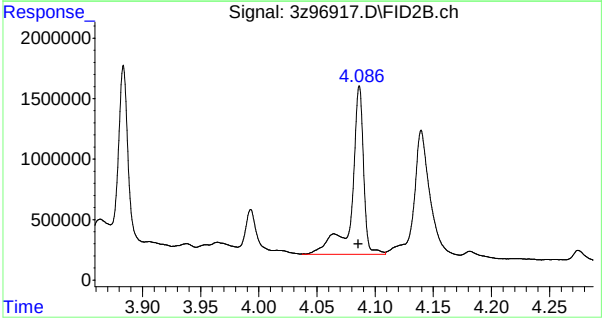
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 357709322
Conc: 7.28 PPM



#6 o-TERPHENYL

R.T.: 3.883 min
Delta R.T.: 0.000 min
Response: 10840955
Conc: 0.16 PPM m



#7 5a-ANDROSTANE

R.T.: 4.086 min
Delta R.T.: 0.000 min
Response: 9919407
Conc: 0.17 PPM m

13.5.18
13

Manual Integration Approval Summary

Sample Number:	G3Z3740-IC3740	**Method:**	SW846 8015D
Lab FileID:	3Z96917.D	**Analyst approved:**	10/14/25 05:55 Rebecca Krug
Injection Time:	10/13/25 22:41	**Supervisor approved:**	10/14/25 05:57 Rebecca Krug

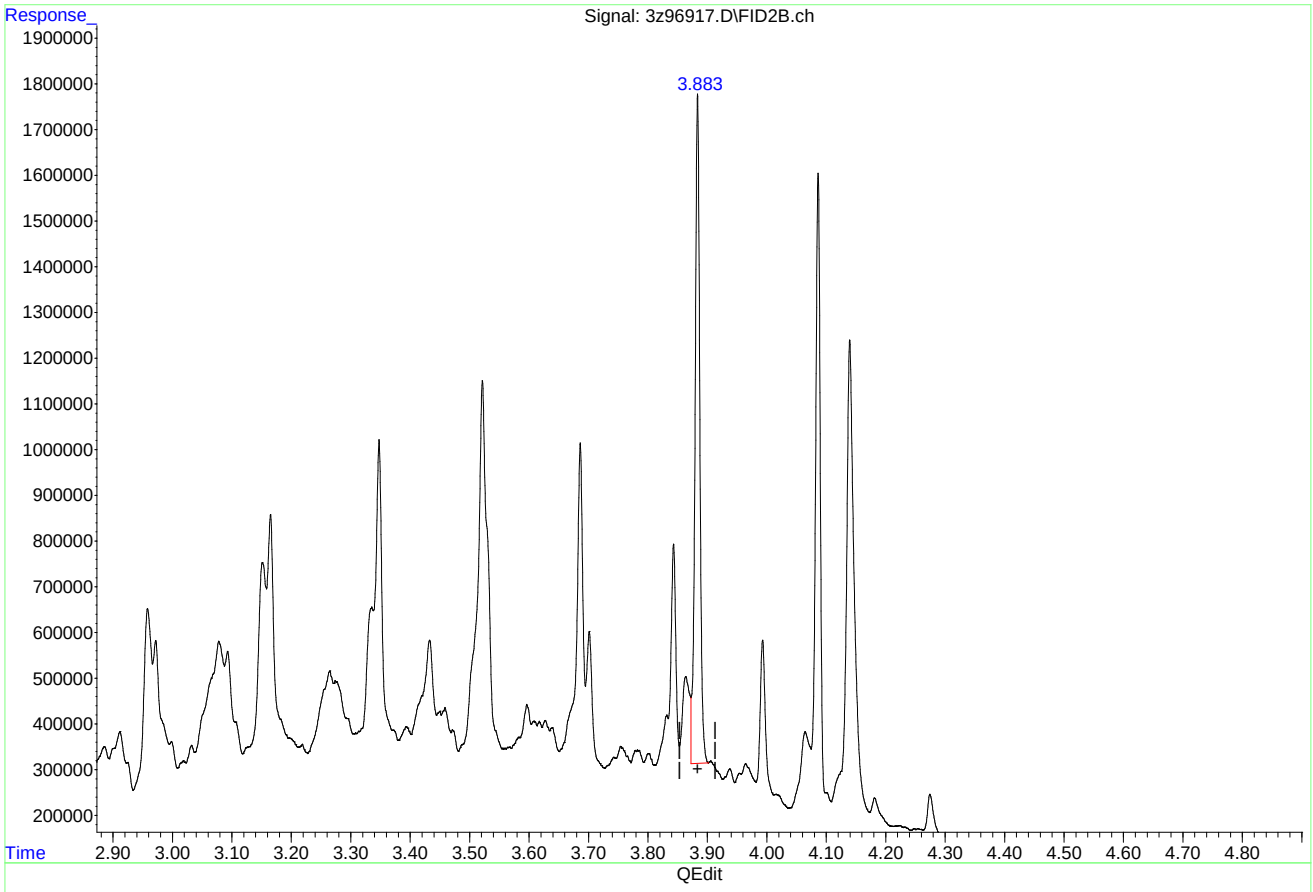
Parameter	CAS	Sig#	R.T. (min.)	Reason
o-Terphenyl	84-15-1	1	3.88	Poorly defined baseline
5a-Androstane	438-22-2	1	4.09	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G3Z3740\
Data File : 3z96917.D
Signal(s) : FID2B.ch
Acq On : 13 Oct 2025 10:41 pm
Operator : rebeccak
Sample : ic3740-10
Misc : op68028,g3z3740,5.0,,,10,1
ALS Vial : 144 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 14 05:31:57 2025
Quant Method : C:\MSDCHEM\1\METHODS\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Tue Oct 14 05:28:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.884min 0.124 PPM

response 8216367

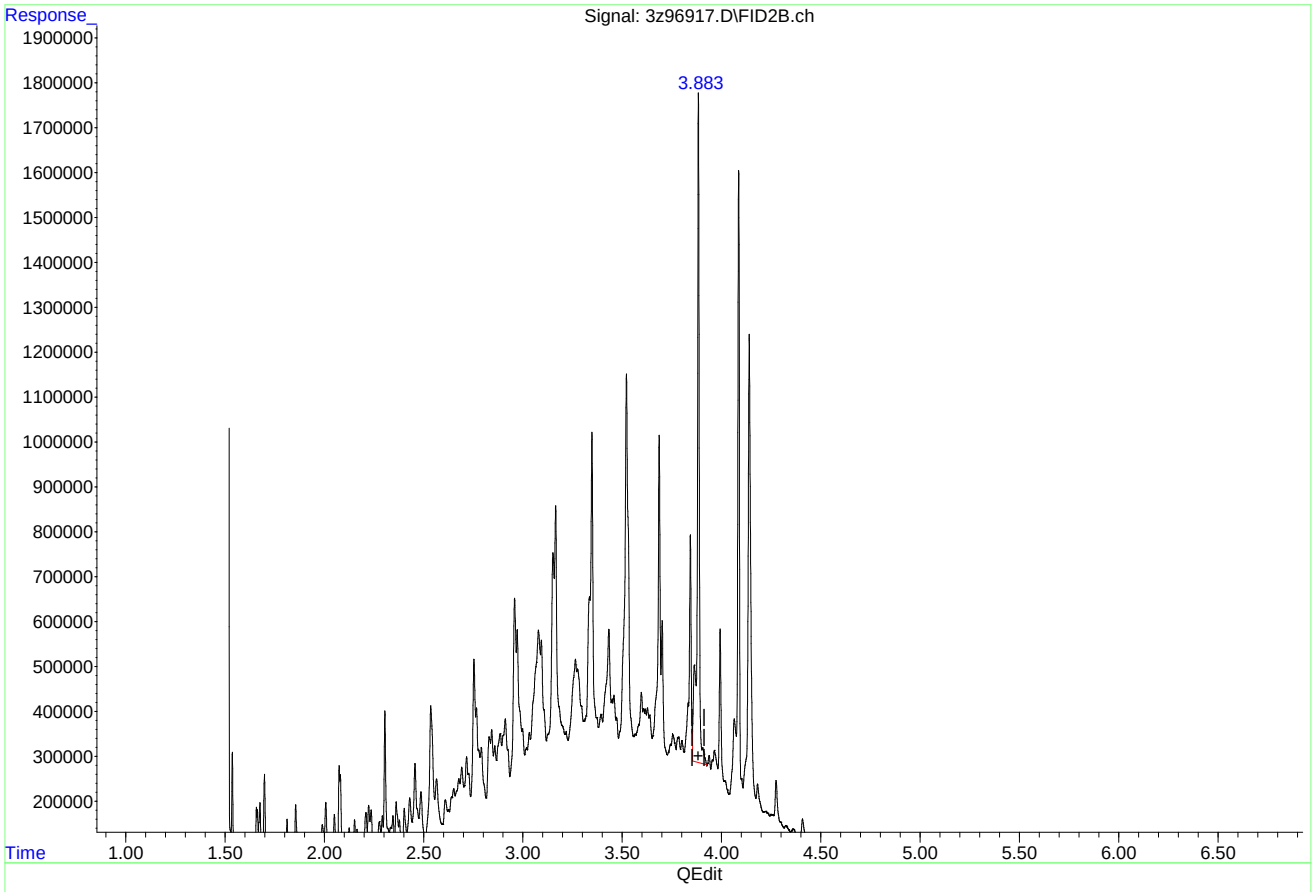
(+) = Expected Retention Time
DROLVI3Z3740.M Tue Oct 14 05:32:37 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G3Z3740\
Data File : 3z96917.D
Signal(s) : FID2B.ch
Acq On : 13 Oct 2025 10:41 pm
Operator : rebeccak
Sample : ic3740-10
Misc : op68028,g3z3740,5.0,,,10,1
ALS Vial : 144 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 14 05:31:57 2025
Quant Method : C:\MSDCHEM\1\METHODS\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Tue Oct 14 05:28:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.883min 0.164 PPM m

response 10840955

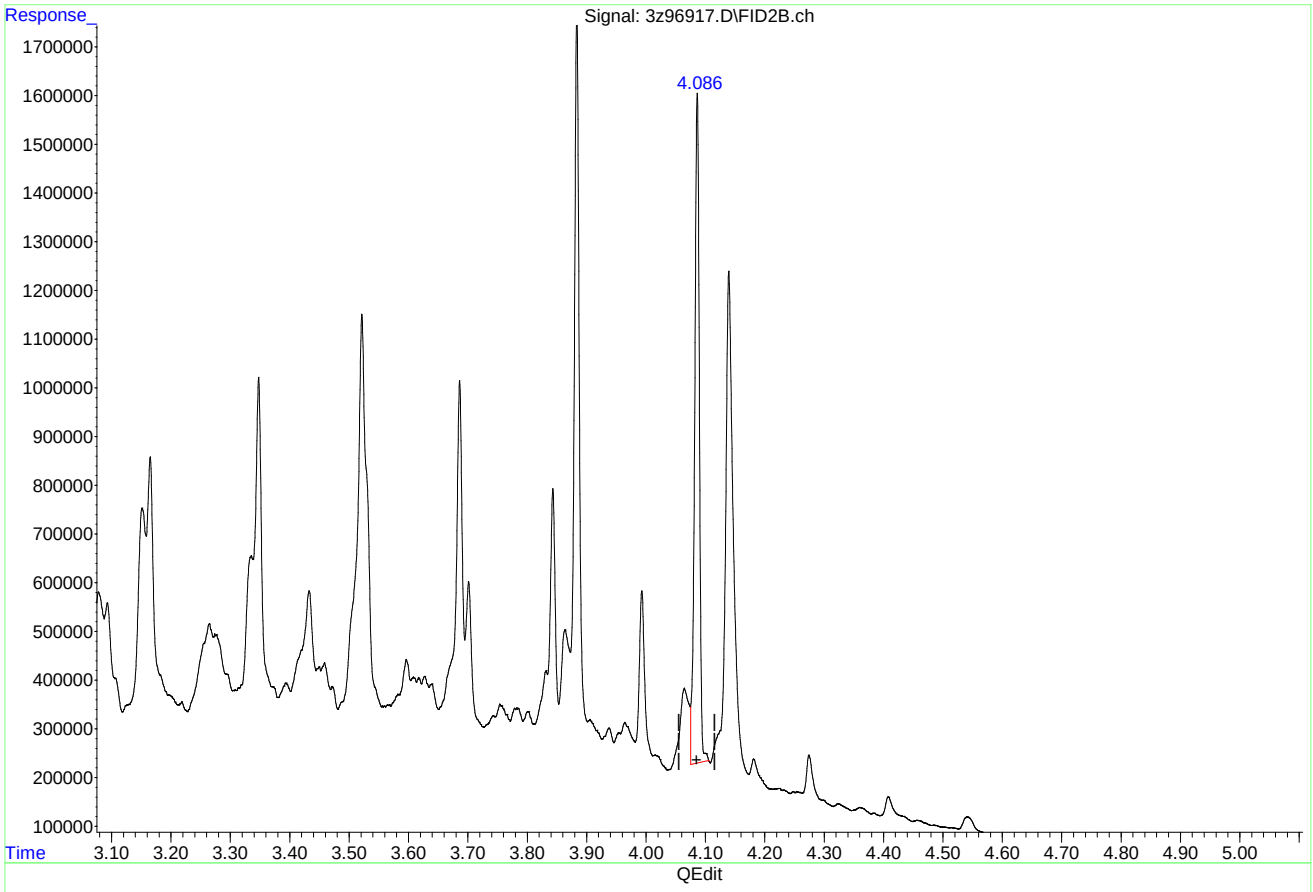
(+) = Expected Retention Time
DROLVI3Z3740.M Tue Oct 14 05:32:56 2025 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G3Z3740\
Data File : 3z96917.D
Signal(s) : FID2B.ch
Acq On : 13 Oct 2025 10:41 pm
Operator : rebeccak
Sample : ic3740-10
Misc : op68028,g3z3740,5.0,,,10,1
ALS Vial : 144 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 14 05:31:57 2025
Quant Method : C:\MSDCHEM\1\METHODS\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Tue Oct 14 05:28:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.087min 0.128 PPM

response 7633566

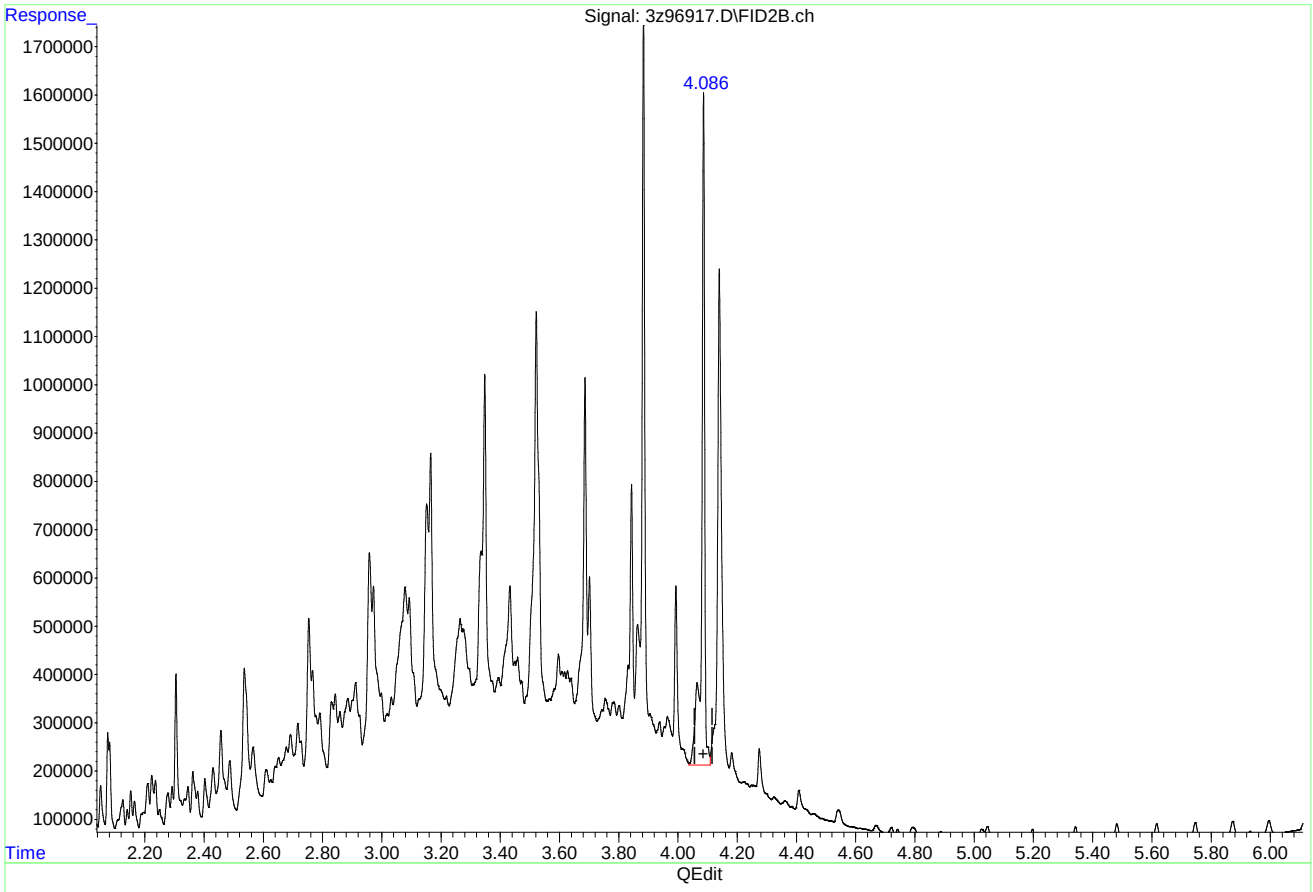
(+) = Expected Retention Time
DROLVI3Z3740.M Tue Oct 14 05:33:00 2025 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G3Z3740\
Data File : 3z96917.D
Signal(s) : FID2B.ch
Acq On : 13 Oct 2025 10:41 pm
Operator : rebeccak
Sample : ic3740-10
Misc : op68028,g3z3740,5.0,,,10,1
ALS Vial : 144 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 14 05:31:57 2025
Quant Method : C:\MSDCHEM\1\METHODS\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Tue Oct 14 05:28:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.086min 0.166 PPM m

response 9919407

(+) = Expected Retention Time
DROLVI3Z3740.M Tue Oct 14 05:33:12 2025

Manual Integrations APPROVED (compounds with "m" flag)
Rebecca Krug
10/14/25 05:57

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\G3Z3740\
Data File : 3z96918.D
Signal(s) : FID2B.ch
Acq On : 13 Oct 2025 11:01 pm
Operator : rebeccak
Sample : ic3740-20
Misc : op68028,g3z3740,5.0,,,10,1
ALS Vial : 145 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 14 05:34:04 2025
Quant Method : C:\MSDCHEM\1\METHODS\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Tue Oct 14 05:28:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
6) S o-TERPHENYL	3.884	19982771	0.301	PPM	
Spiked Amount 50.000		Recovery =	0.60%		
7) S 5a-ANDROSTANE	4.086	20176550	0.338	PPM	m
Spiked Amount 50.000		Recovery =	0.68%		
Target Compounds					
1) H TPH-DRO	3.600	732761727	14.910	PPM	

(f)=RT Delta > 1/2 Window (m)=manual int.

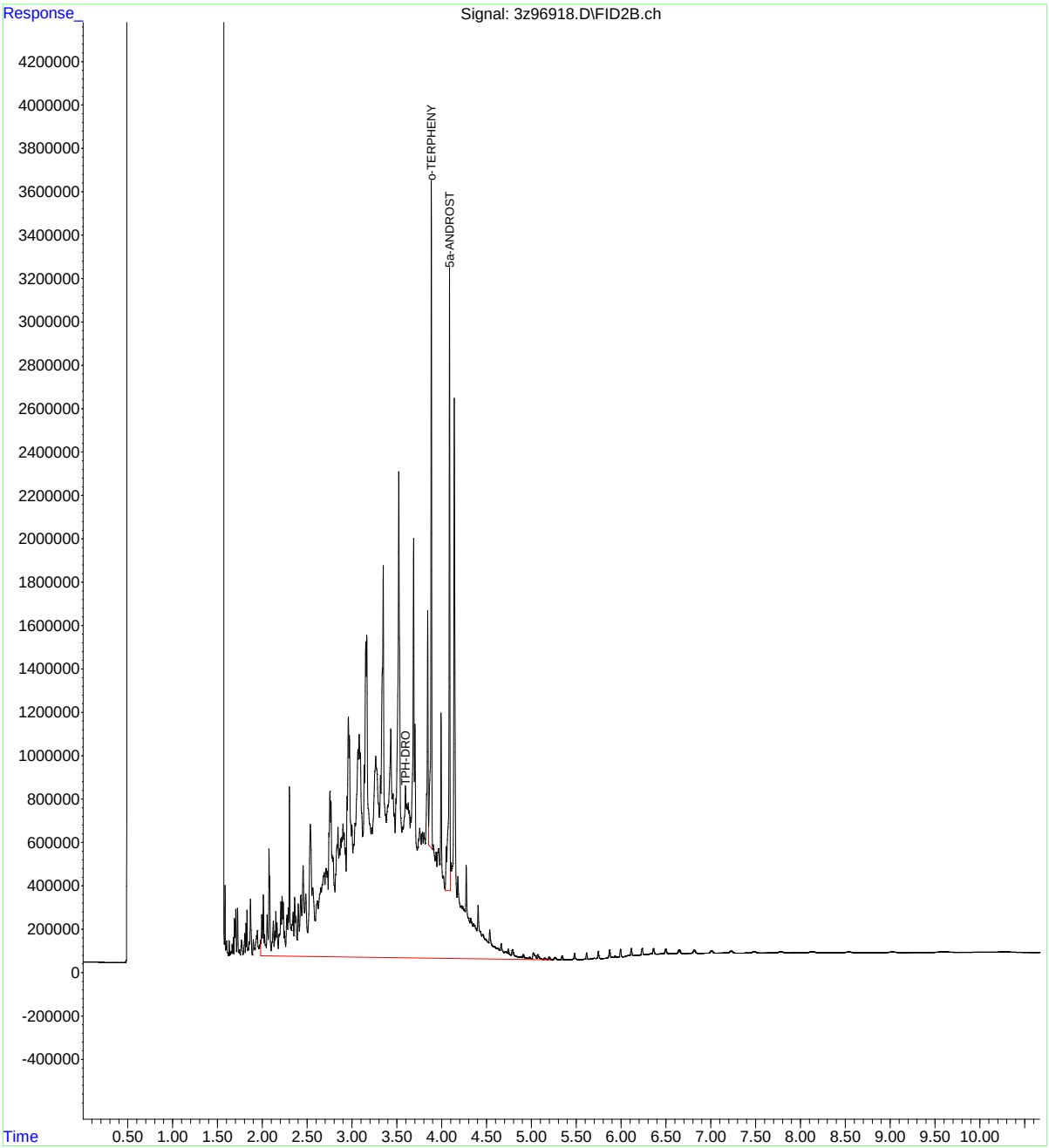
13.5.19
13

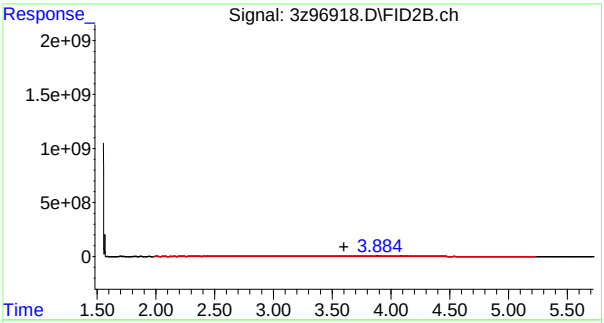
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\G3Z3740\
Data File : 3z96918.D
Signal(s) : FID2B.ch
Acq On : 13 Oct 2025 11:01 pm
Operator : rebeccak
Sample : ic3740-20
Misc : op68028,g3z3740,5.0,,,10,1
ALS Vial : 145 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 14 05:34:04 2025
Quant Method : C:\MSDCHEM\1\METHODS\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Tue Oct 14 05:28:06 2025
Response via : Initial Calibration
Integrator: ChemStation

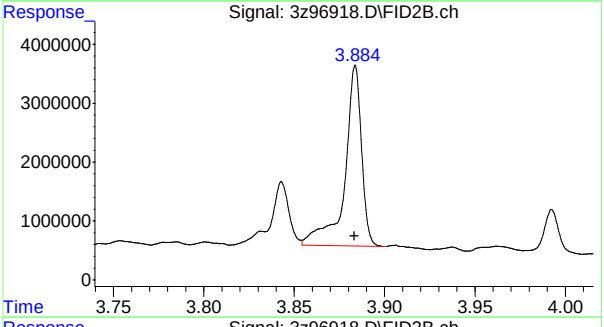
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





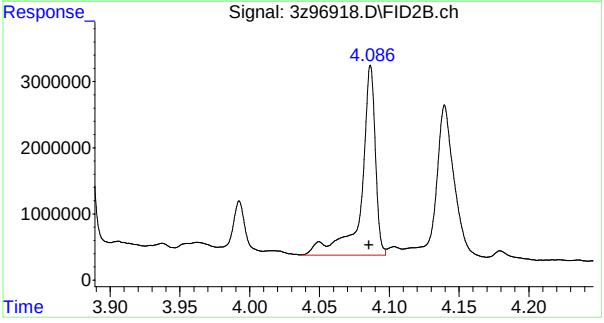
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 732761727
Conc: 14.91 PPM



#6 o-TERPHENYL

R.T.: 3.884 min
Delta R.T.: 0.000 min
Response: 19982771
Conc: 0.30 PPM



#7 5a-ANDROSTANE

R.T.: 4.086 min
Delta R.T.: 0.000 min
Response: 20176550
Conc: 0.34 PPM m

13.5.19
13

Manual Integration Approval Summary

Sample Number:	G3Z3740-IC3740	**Method:**	SW846 8015D
Lab FileID:	3Z96918.D	**Analyst approved:**	10/14/25 05:55 Rebecca Krug
Injection Time:	10/13/25 23:01	**Supervisor approved:**	10/14/25 05:57 Rebecca Krug

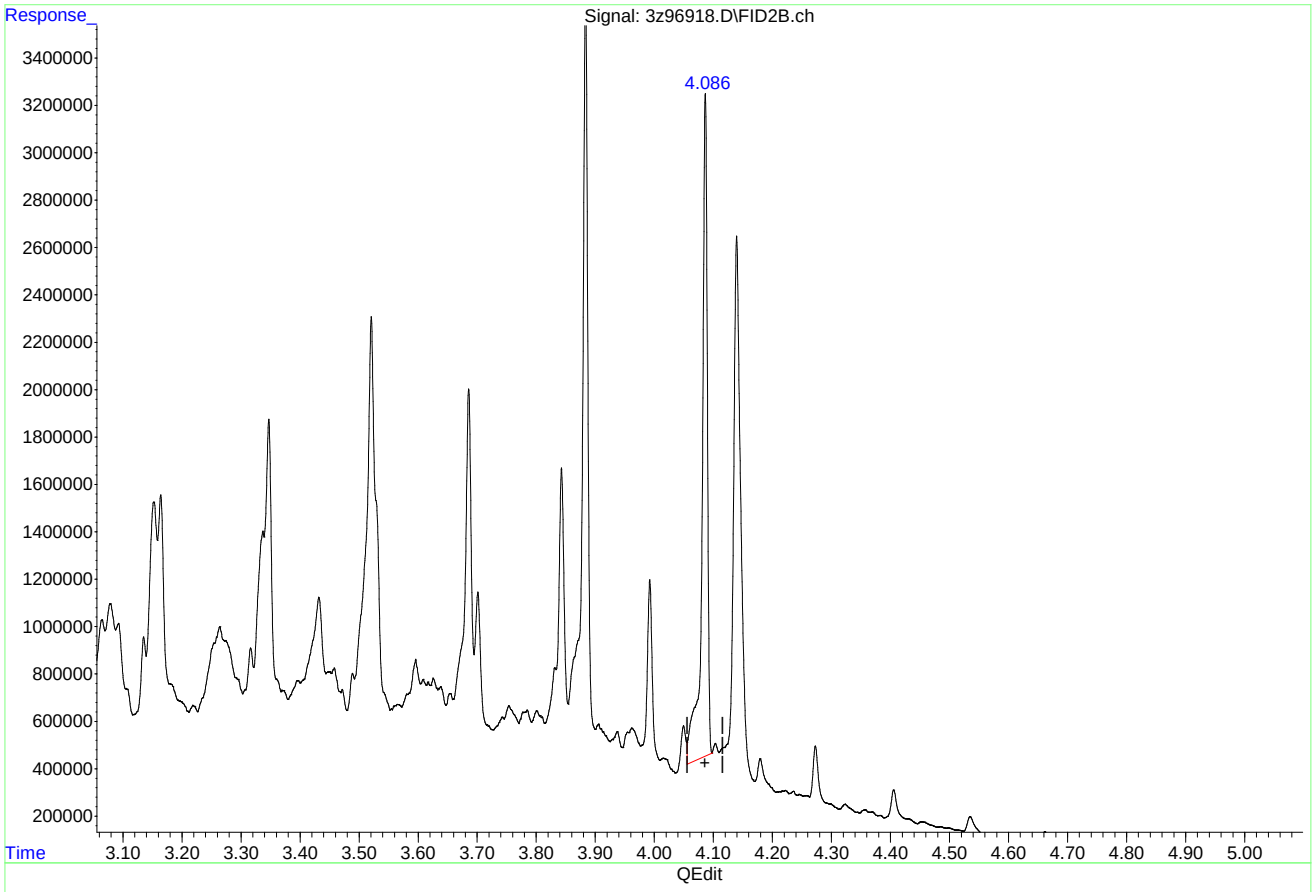
Parameter	CAS	Sig#	R.T. (min.)	Reason
5a-Androstane	438-22-2	1	4.09	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G3Z3740\
Data File : 3z96918.D
Signal(s) : FID2B.ch
Acq On : 13 Oct 2025 11:01 pm
Operator : rebeccak
Sample : ic3740-20
Misc : op68028,g3z3740,5.0,,,10,1
ALS Vial : 145 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 14 05:33:31 2025
Quant Method : C:\MSDCHEM\1\METHODS\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Tue Oct 14 05:28:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.087min 0.291 PPM

response 17379311

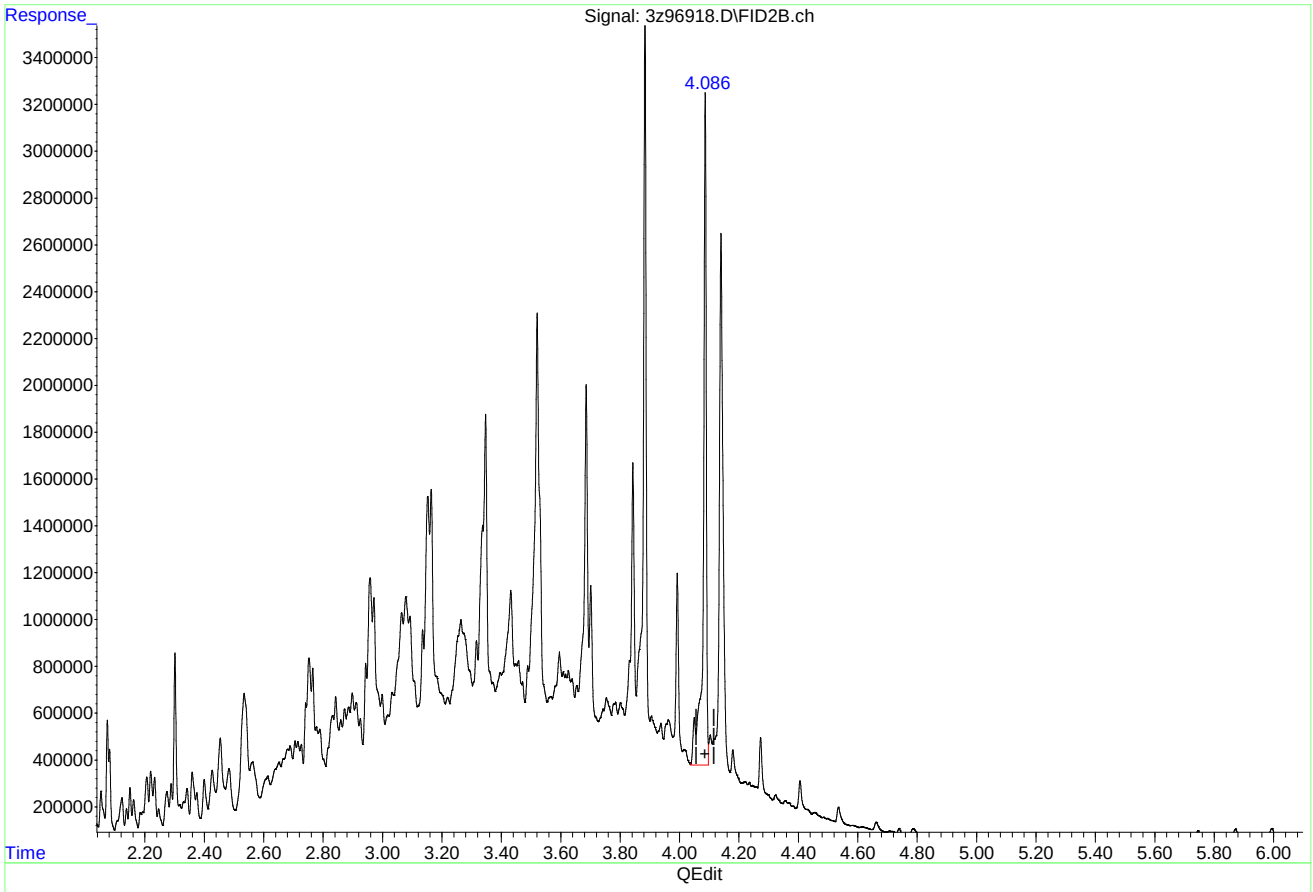
(+) = Expected Retention Time
DROLVI3Z3740.M Tue Oct 14 05:33:53 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G3Z3740\
Data File : 3z96918.D
Signal(s) : FID2B.ch
Acq On : 13 Oct 2025 11:01 pm
Operator : rebeccak
Sample : ic3740-20
Misc : op68028,g3z3740,5.0,,,10,1
ALS Vial : 145 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 14 05:33:31 2025
Quant Method : C:\MSDCHEM\1\METHODS\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Tue Oct 14 05:28:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.086min 0.338 PPM m

response 20176550

(+) = Expected Retention Time
DROLVI3Z3740.M Tue Oct 14 05:34:08 2025

Manual Integrations APPROVED (compounds with "m" flag)
Rebecca Krug 10/14/25 05:57

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\G3Z3740\
Data File : 3z96919.D
Signal(s) : FID2B.ch
Acq On : 13 Oct 2025 11:21 pm
Operator : rebeccak
Sample : icc3740-40
Misc : op68028,g3z3740,5.0,,,10,1
ALS Vial : 146 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 14 05:35:10 2025
Quant Method : C:\MSDCHEM\1\METHODS\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Tue Oct 14 05:28:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
6) S o-TERPHENYL	3.885	42606485	0.643	PPM	m
Spiked Amount 50.000		Recovery = 1.29%			
7) S 5a-ANDROSTANE	4.088	40018120	0.670	PPM	m
Spiked Amount 50.000		Recovery = 1.34%			
Target Compounds					
1) H TPH-DRO	3.600	1403727434	28.562	PPM	

(f)=RT Delta > 1/2 Window (m)=manual int.

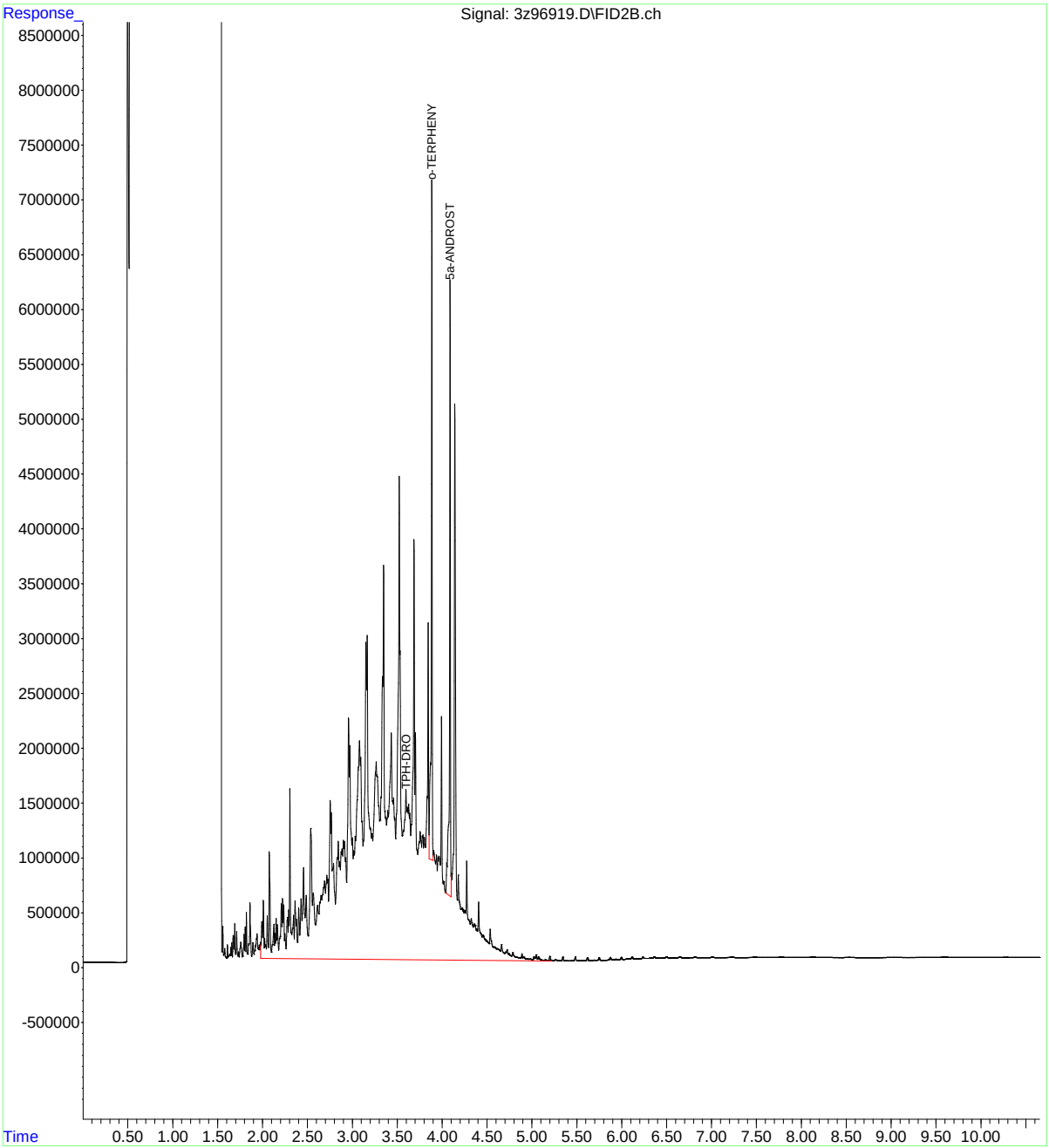
13.5.20
13

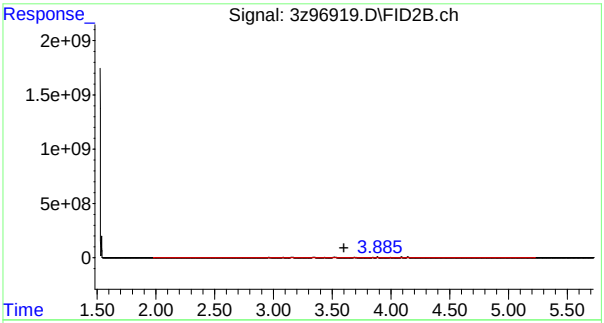
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\G3Z3740\
Data File : 3z96919.D
Signal(s) : FID2B.ch
Acq On : 13 Oct 2025 11:21 pm
Operator : rebeccak
Sample : icc3740-40
Misc : op68028,g3z3740,5.0,,,10,1
ALS Vial : 146 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 14 05:35:10 2025
Quant Method : C:\MSDCHEM\1\METHODS\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Tue Oct 14 05:28:06 2025
Response via : Initial Calibration
Integrator: ChemStation

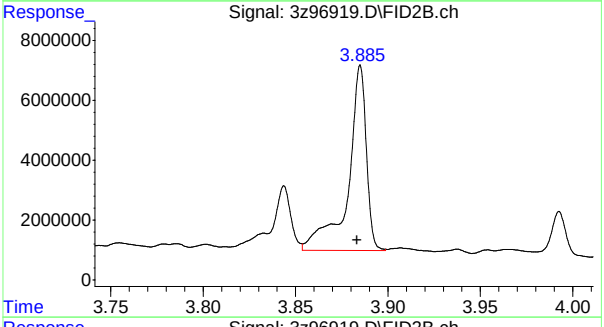
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





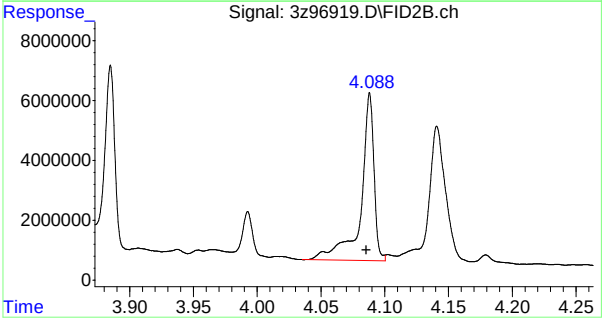
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 1403727434
Conc: 28.56 PPM



#6 o-TERPHENYL

R.T.: 3.885 min
Delta R.T.: 0.002 min
Response: 42606485
Conc: 0.64 PPM m



#7 5a-ANDROSTANE

R.T.: 4.088 min
Delta R.T.: 0.002 min
Response: 40018120
Conc: 0.67 PPM m

13.5.20
13

Manual Integration Approval Summary

Sample Number: G3Z3740-ICC3740
Lab FileID: 3Z96919.D
Injection Time: 10/13/25 23:21
Method: SW846 8015D
Analyst approved: 10/14/25 05:55 Rebecca Krug
Supervisor approved: 10/14/25 05:57 Rebecca Krug

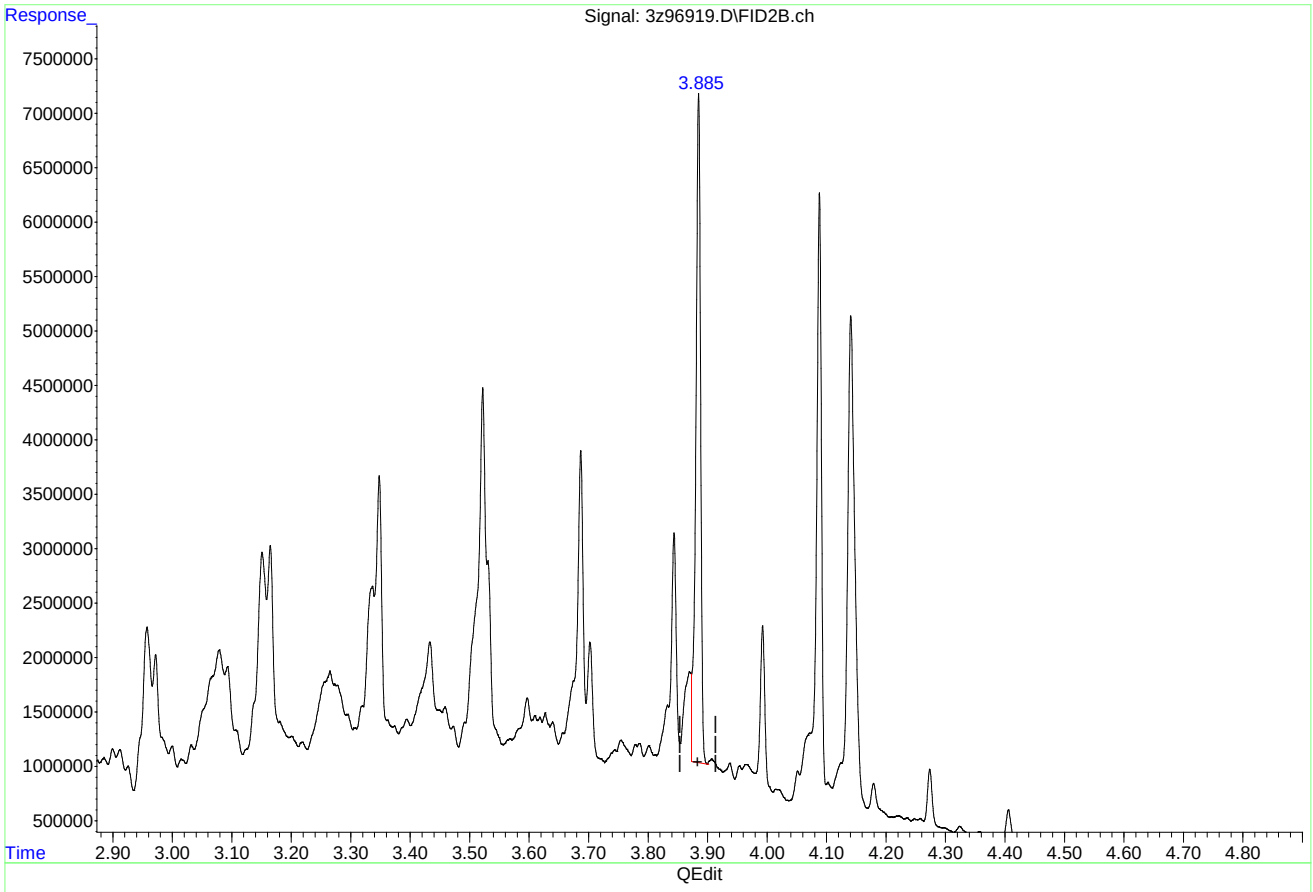
Parameter	CAS	Sig#	R.T. (min.)	Reason
o-Terphenyl	84-15-1	1	3.88	Poorly defined baseline
5a-Androstane	438-22-2	1	4.09	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G3Z3740\
Data File : 3z96919.D
Signal(s) : FID2B.ch
Acq On : 13 Oct 2025 11:21 pm
Operator : rebeccak
Sample : icc3740-40
Misc : op68028,g3z3740,5.0,,,10,1
ALS Vial : 146 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 14 05:34:36 2025
Quant Method : C:\MSDCHEM\1\METHODS\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Tue Oct 14 05:28:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.885min 0.522 PPM

response 34577895

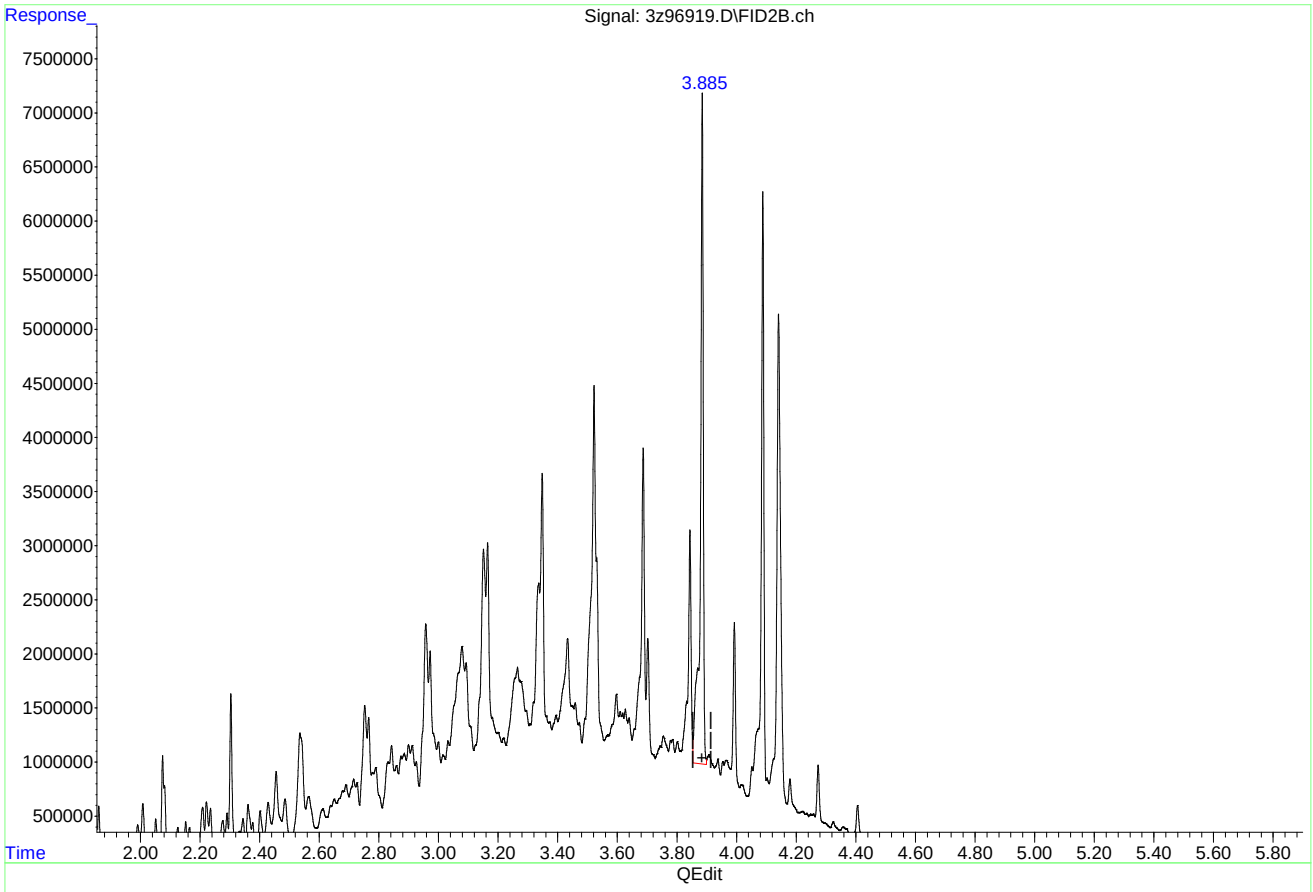
(+) = Expected Retention Time
DROLVI3Z3740.M Tue Oct 14 05:34:49 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G3Z3740\
Data File : 3z96919.D
Signal(s) : FID2B.ch
Acq On : 13 Oct 2025 11:21 pm
Operator : rebeccak
Sample : icc3740-40
Misc : op68028,g3z3740,5.0,,,10,1
ALS Vial : 146 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 14 05:34:36 2025
Quant Method : C:\MSDCHEM\1\METHODS\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Tue Oct 14 05:28:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.885min 0.643 PPM m

response 42606485

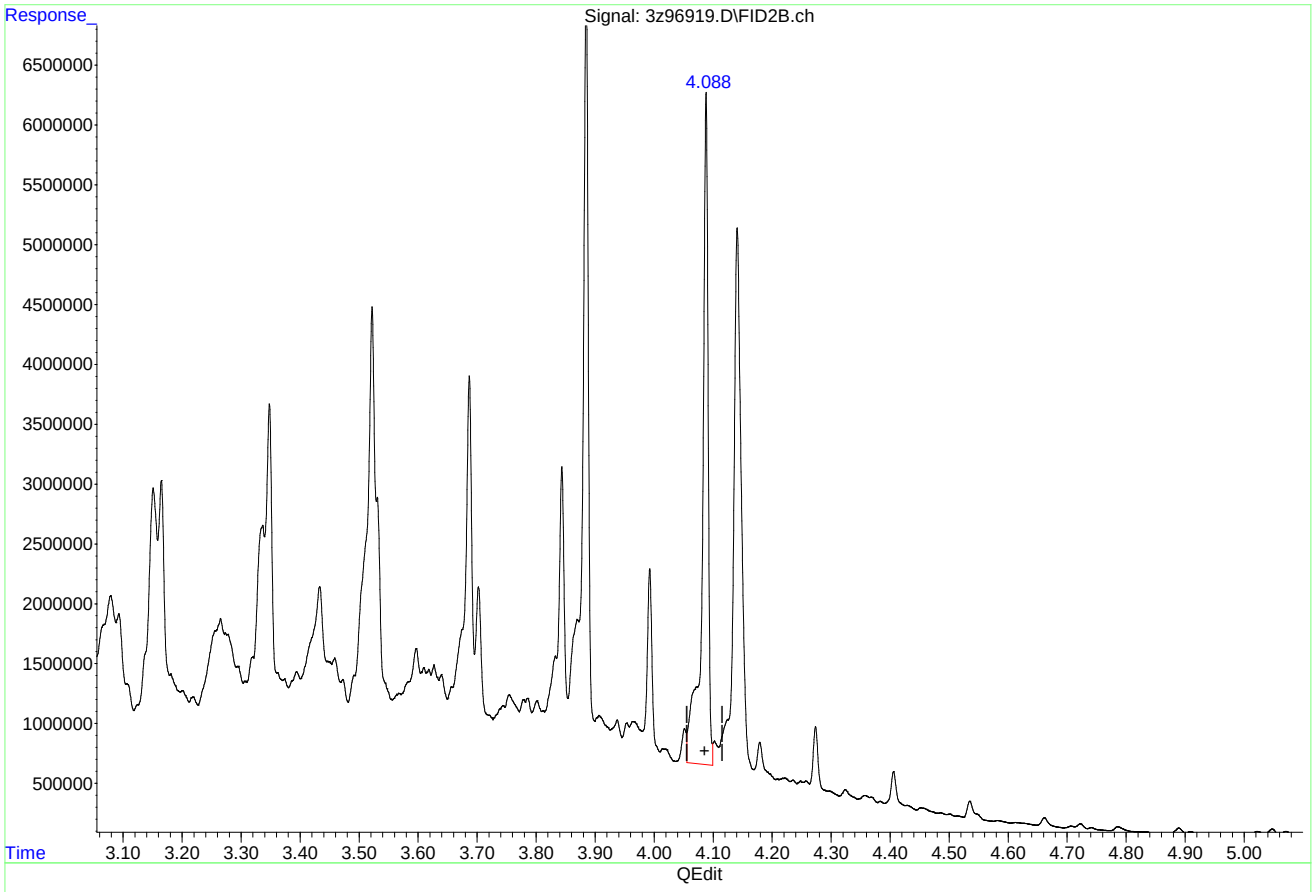
(+) = Expected Retention Time
DROLVI3Z3740.M Tue Oct 14 05:35:00 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G3Z3740\
Data File : 3z96919.D
Signal(s) : FID2B.ch
Acq On : 13 Oct 2025 11:21 pm
Operator : rebeccak
Sample : icc3740-40
Misc : op68028,g3z3740,5.0,,,10,1
ALS Vial : 146 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 14 05:34:36 2025
Quant Method : C:\MSDCHEM\1\METHODS\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Tue Oct 14 05:28:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.088min 0.641 PPM

response 38295345

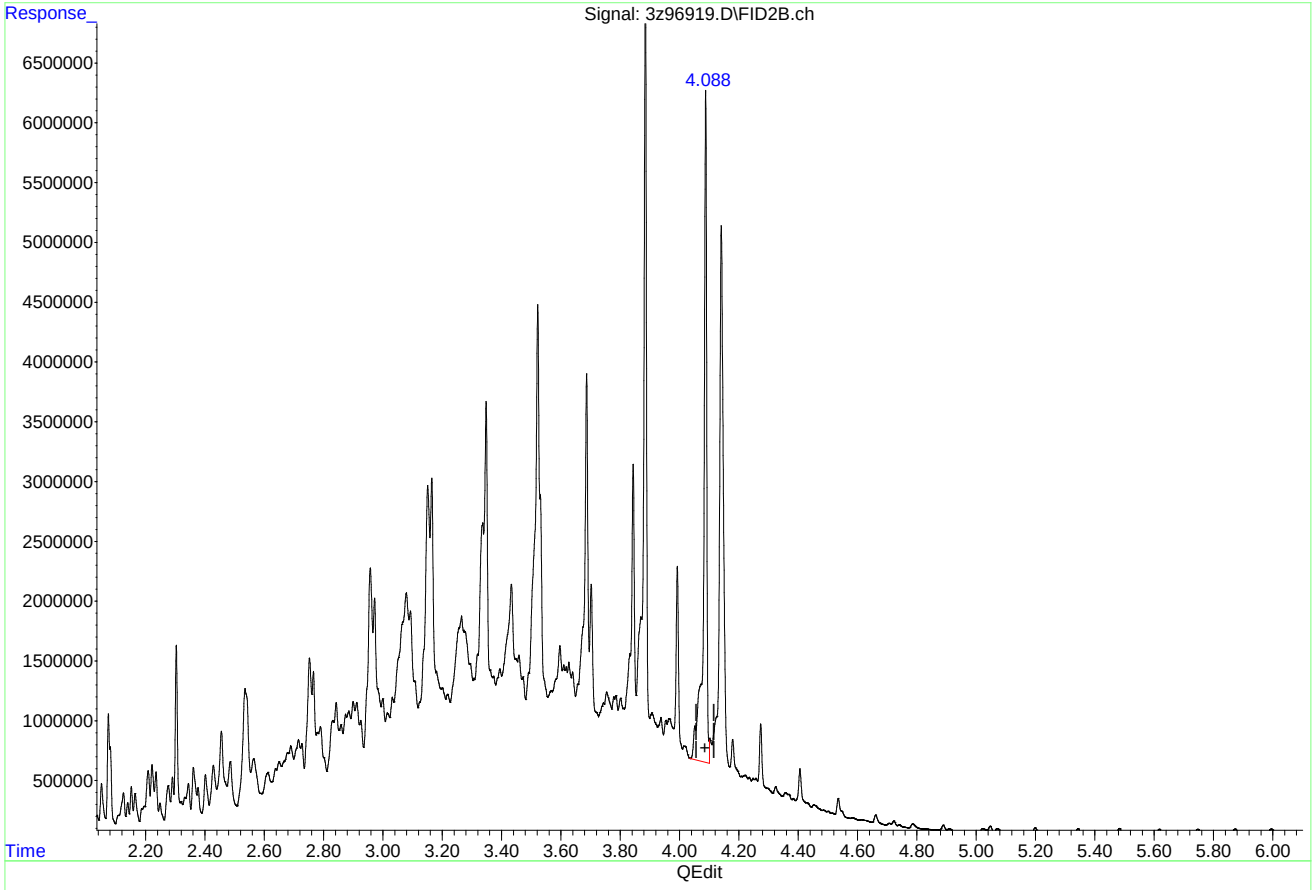
(+) = Expected Retention Time
DROLVI3Z3740.M Tue Oct 14 05:35:04 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G3Z3740\
Data File : 3z96919.D
Signal(s) : FID2B.ch
Acq On : 13 Oct 2025 11:21 pm
Operator : rebeccak
Sample : icc3740-40
Misc : op68028,g3z3740,5.0,,,10,1
ALS Vial : 146 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 14 05:34:36 2025
Quant Method : C:\MSDCHEM\1\METHODS\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Tue Oct 14 05:28:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.088min 0.670 PPM m

response 40018120

(+) = Expected Retention Time
DROLVI3Z3740.M Tue Oct 14 05:35:14 2025

3Z96920.D

Manual Integrations APPROVED (compounds with "m" flag)

Rebecca Krug
10/14/25 05:57

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\G3Z3740\
Data File : 3z96920.D
Signal(s) : FID2B.ch
Acq On : 13 Oct 2025 11:41 pm
Operator : rebeccak
Sample : ic3740-100
Misc : op68028,g3z3740,5.0,,,10,1
ALS Vial : 147 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 14 05:36:10 2025
Quant Method : C:\MSDCHEM\1\METHODS\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Tue Oct 14 05:28:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
6) S o-TERPHENYL	3.887	106087683	1.600	PPM	m
Spiked Amount 50.000		Recovery = 3.20%			
7) S 5a-ANDROSTANE	4.091	103398420	1.730	PPM	m
Spiked Amount 50.000		Recovery = 3.46%			
Target Compounds					
1) H TPH-DRO	3.600	3563671839	72.511	PPM	

(f)=RT Delta > 1/2 Window (m)=manual int.

13.5.21

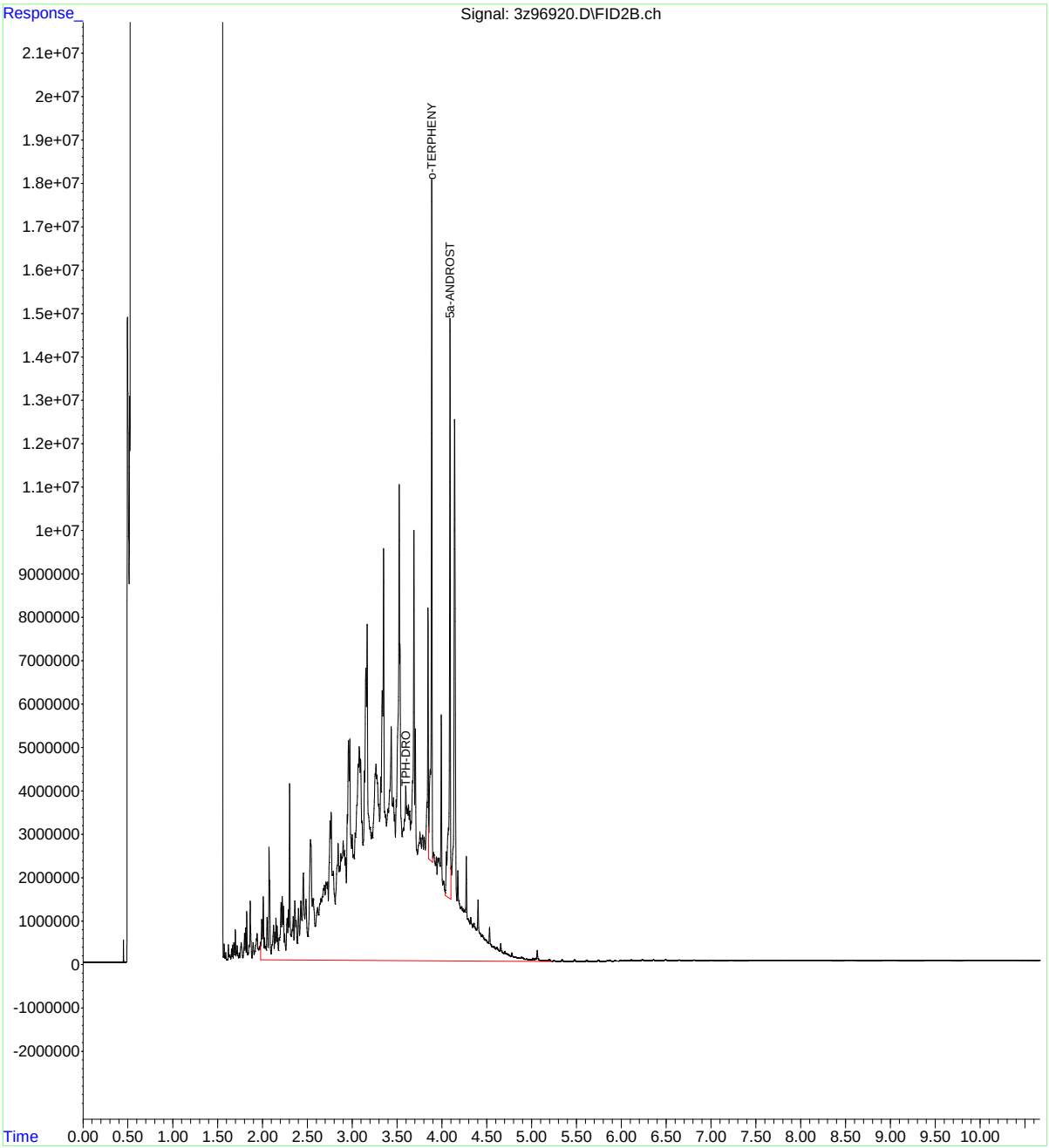
13

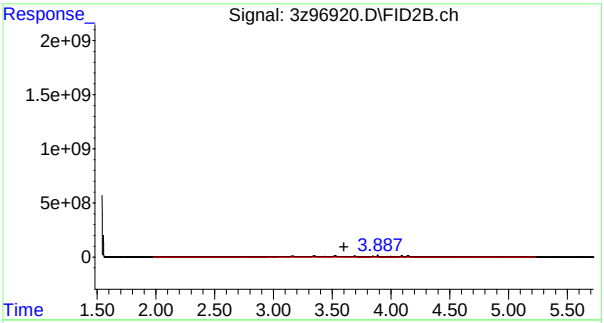
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\G3Z3740\
Data File : 3z96920.D
Signal(s) : FID2B.ch
Acq On : 13 Oct 2025 11:41 pm
Operator : rebeccak
Sample : ic3740-100
Misc : op68028,g3z3740,5.0,,,10,1
ALS Vial : 147 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 14 05:36:10 2025
Quant Method : C:\MSDCHEM\1\METHODS\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Tue Oct 14 05:28:06 2025
Response via : Initial Calibration
Integrator: ChemStation

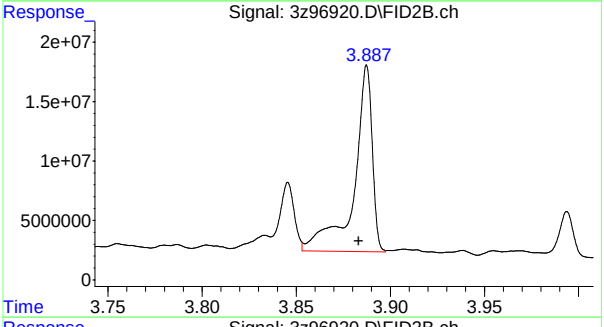
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





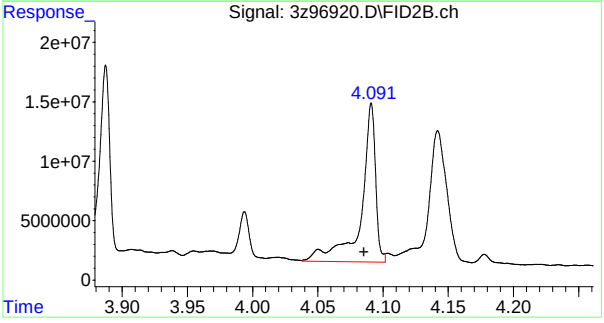
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 3563671839
Conc: 72.51 PPM



#6 o-TERPHENYL

R.T.: 3.887 min
Delta R.T.: 0.004 min
Response: 106087683
Conc: 1.60 PPM m



#7 5a-ANDROSTANE

R.T.: 4.091 min
Delta R.T.: 0.005 min
Response: 103398420
Conc: 1.73 PPM m

13.5.21
13

Manual Integration Approval Summary

Sample Number:	G3Z3740-IC3740	**Method:**	SW846 8015D
Lab FileID:	3Z96920.D	**Analyst approved:**	10/14/25 05:55 Rebecca Krug
Injection Time:	10/13/25 23:41	**Supervisor approved:**	10/14/25 05:57 Rebecca Krug

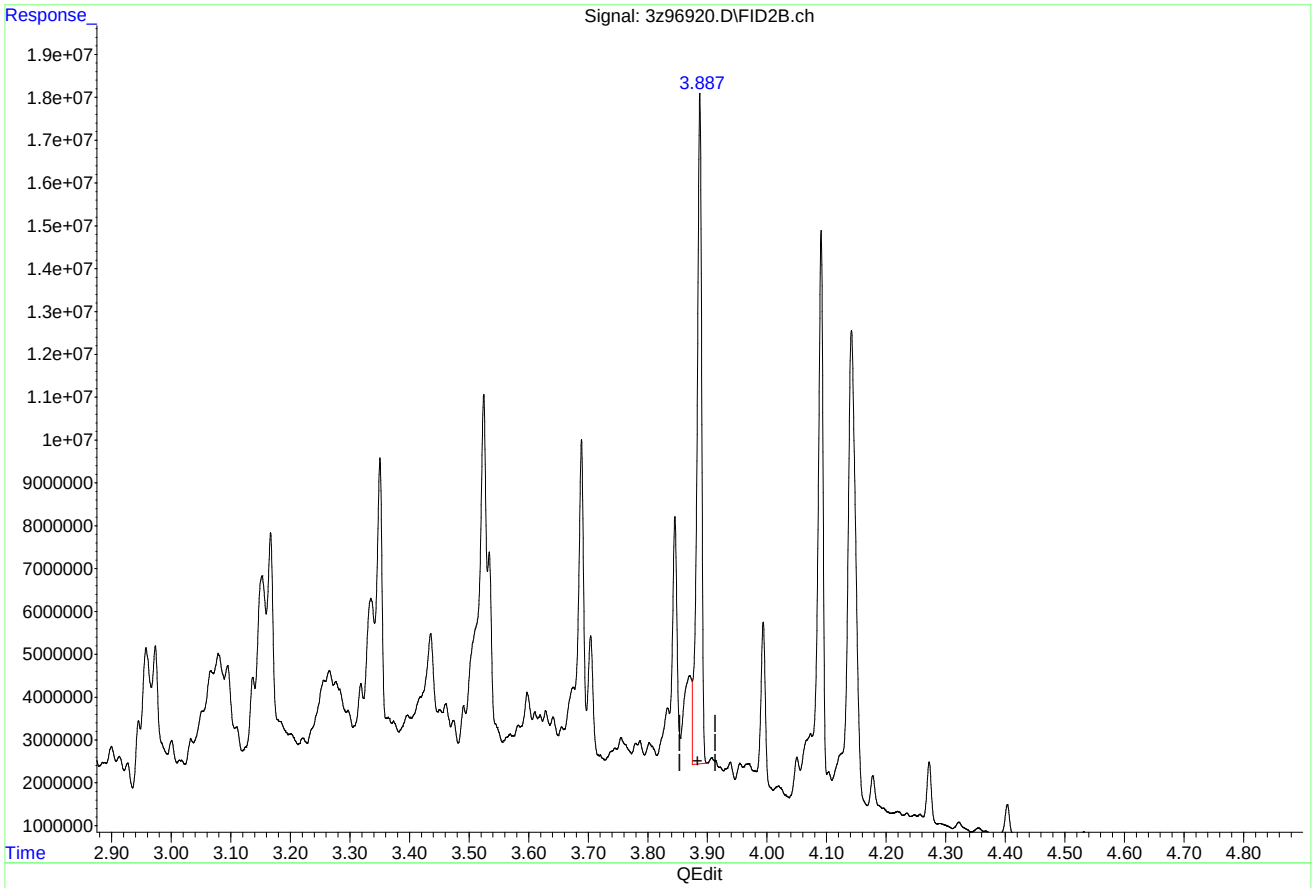
Parameter	CAS	Sig#	R.T. (min.)	Reason
o-Terphenyl	84-15-1	1	3.89	Poorly defined baseline
5a-Androstane	438-22-2	1	4.09	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G3Z3740\
Data File : 3z96920.D
Signal(s) : FID2B.ch
Acq On : 13 Oct 2025 11:41 pm
Operator : rebeccak
Sample : ic3740-100
Misc : op68028,g3z3740,5.0,,,10,1
ALS Vial : 147 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 14 05:35:37 2025
Quant Method : C:\MSDCHEM\1\METHODS\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Tue Oct 14 05:28:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.888min 1.283 PPM

response 85065313

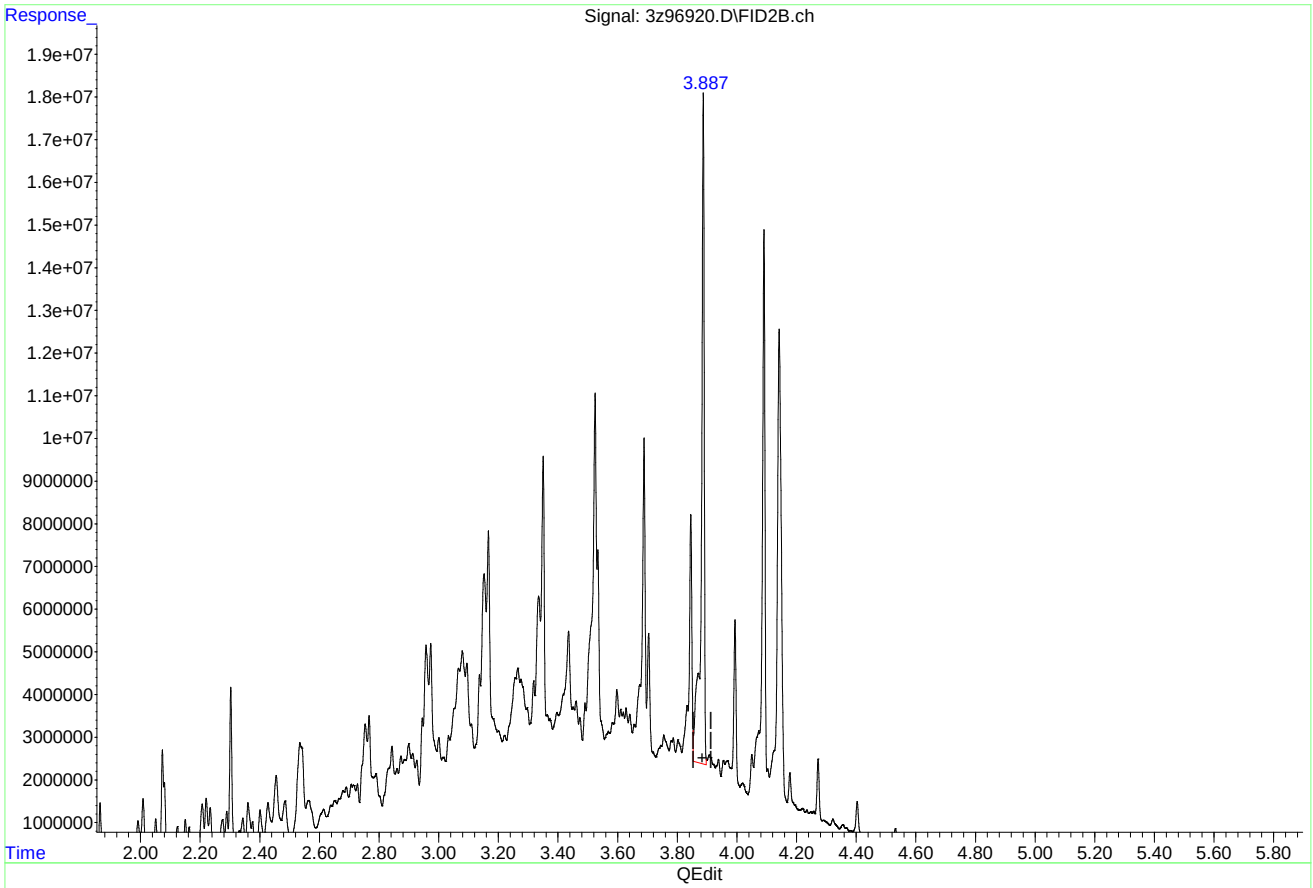
(+) = Expected Retention Time
DROLVI3Z3740.M Tue Oct 14 05:35:49 2025 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G3Z3740\
Data File : 3z96920.D
Signal(s) : FID2B.ch
Acq On : 13 Oct 2025 11:41 pm
Operator : rebeccak
Sample : ic3740-100
Misc : op68028,g3z3740,5.0,,,10,1
ALS Vial : 147 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 14 05:35:37 2025
Quant Method : C:\MSDCHEM\1\METHODS\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Tue Oct 14 05:28:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.887min 1.600 PPM m

response 106087683

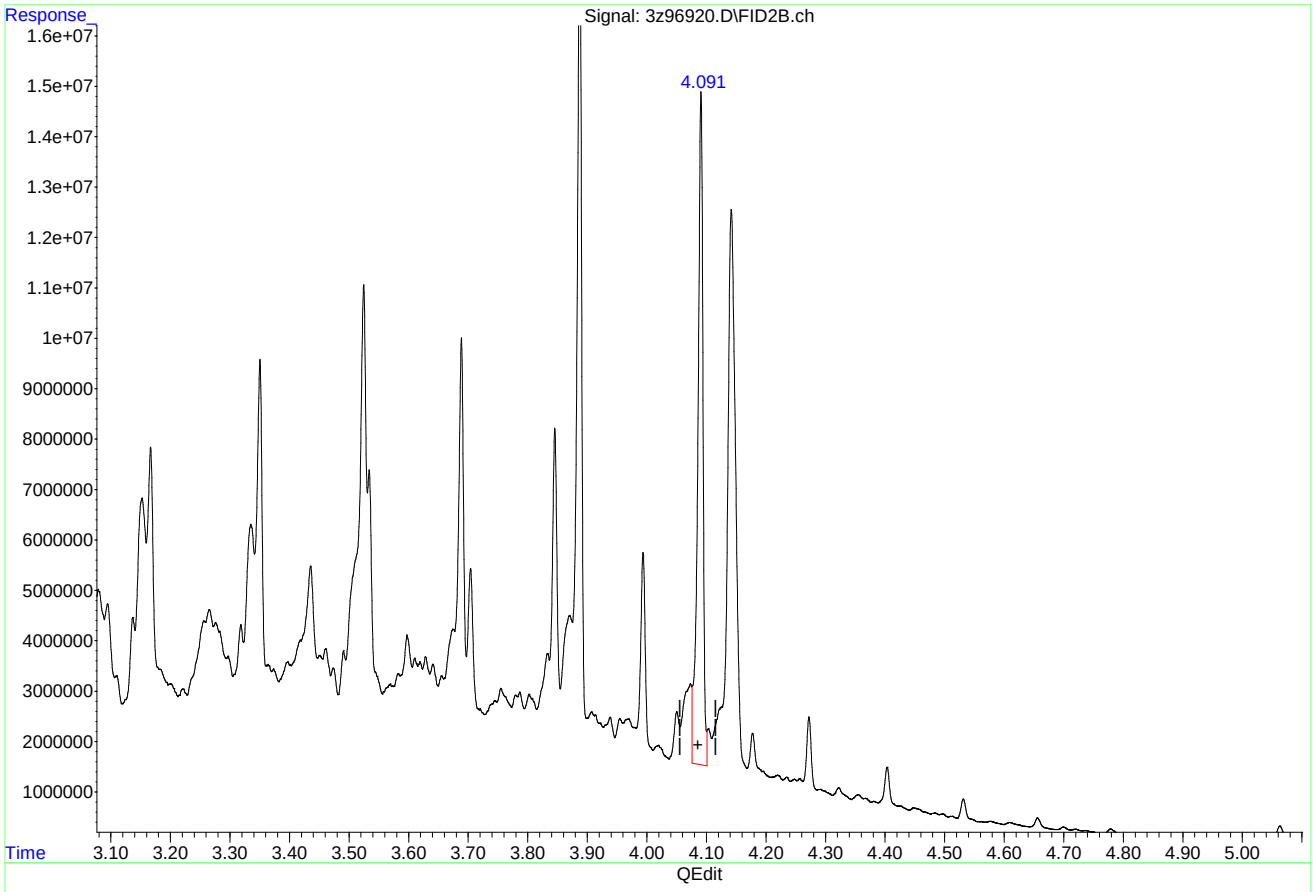
(+) = Expected Retention Time
DROLVI3Z3740.M Tue Oct 14 05:36:00 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G3Z3740\
Data File : 3z96920.D
Signal(s) : FID2B.ch
Acq On : 13 Oct 2025 11:41 pm
Operator : rebeccak
Sample : ic3740-100
Misc : op68028,g3z3740,5.0,,,10,1
ALS Vial : 147 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 14 05:35:37 2025
Quant Method : C:\MSDCHEM\1\METHODS\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Tue Oct 14 05:28:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.091min 1.352 PPM

response 80781933

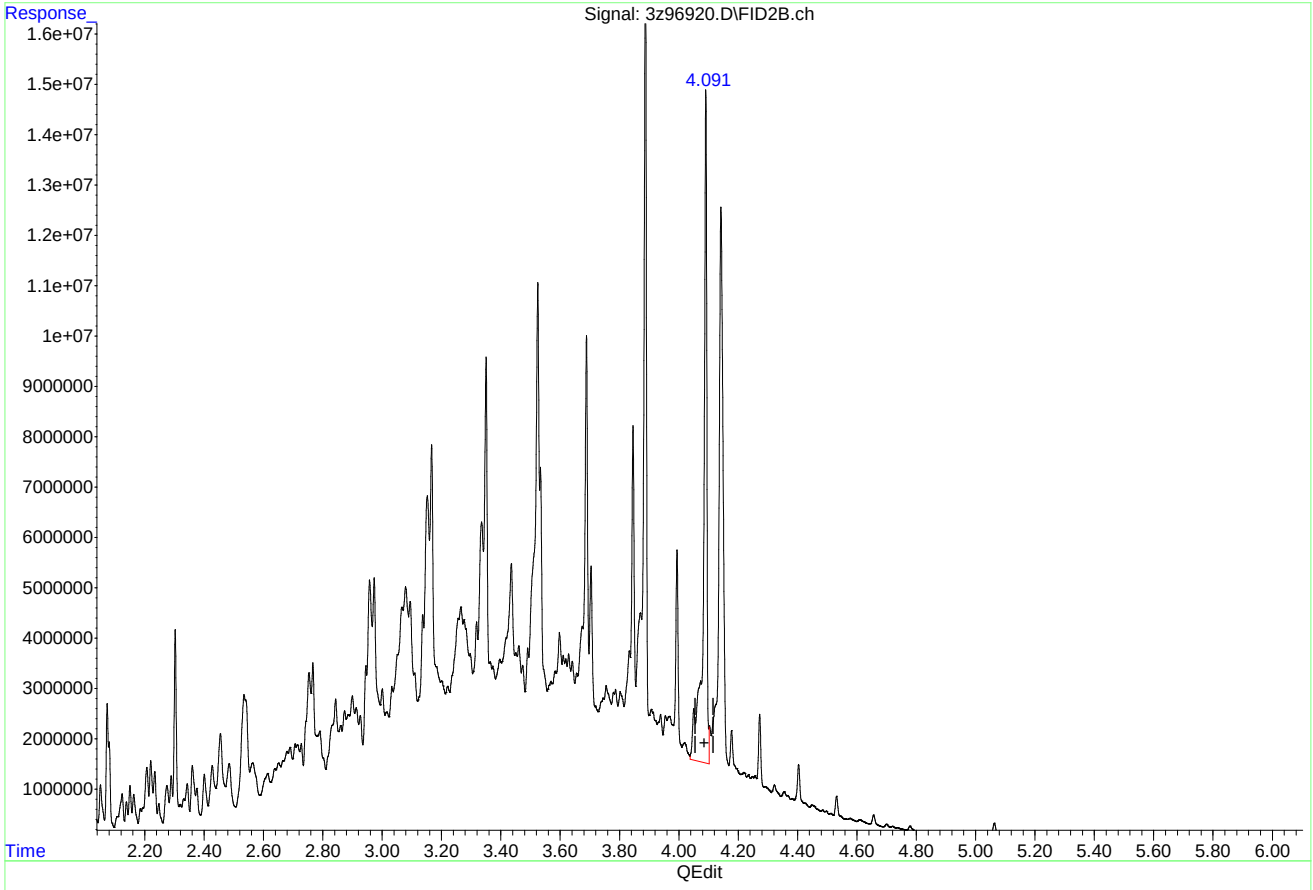
(+) = Expected Retention Time
DROLVI3Z3740.M Tue Oct 14 05:36:05 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G3Z3740\
Data File : 3z96920.D
Signal(s) : FID2B.ch
Acq On : 13 Oct 2025 11:41 pm
Operator : rebeccak
Sample : ic3740-100
Misc : op68028,g3z3740,5.0,,,10,1
ALS Vial : 147 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 14 05:35:37 2025
Quant Method : C:\MSDCHEM\1\METHODS\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Tue Oct 14 05:28:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.091min 1.730 PPM m

response 103398420

(+) = Expected Retention Time
DROLVI3Z3740.M Tue Oct 14 05:36:15 2025

Manual Integrations APPROVED (compounds with "m" flag)
Rebecca Krug 10/14/25 05:57

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\G3Z3740\
Data File : 3z96921.D
Signal(s) : FID2B.ch
Acq On : 14 Oct 2025 12:01 am
Operator : rebeccak
Sample : ic3740-200
Misc : op68028,g3z3740,5.0,,,10,1
ALS Vial : 148 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 14 05:37:22 2025
Quant Method : C:\MSDCHEM\1\METHODS\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Tue Oct 14 05:28:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
6) S o-TERPHENYL	3.891	216906059	3.272	PPM	m
Spiked Amount 50.000		Recovery = 6.54%			
7) S 5a-ANDROSTANE	4.096	216041837	3.616	PPM	m
Spiked Amount 50.000		Recovery = 7.23%			
Target Compounds					
1) H TPH-DRO	3.600	7364373115	149.844	PPM	

(f)=RT Delta > 1/2 Window (m)=manual int.

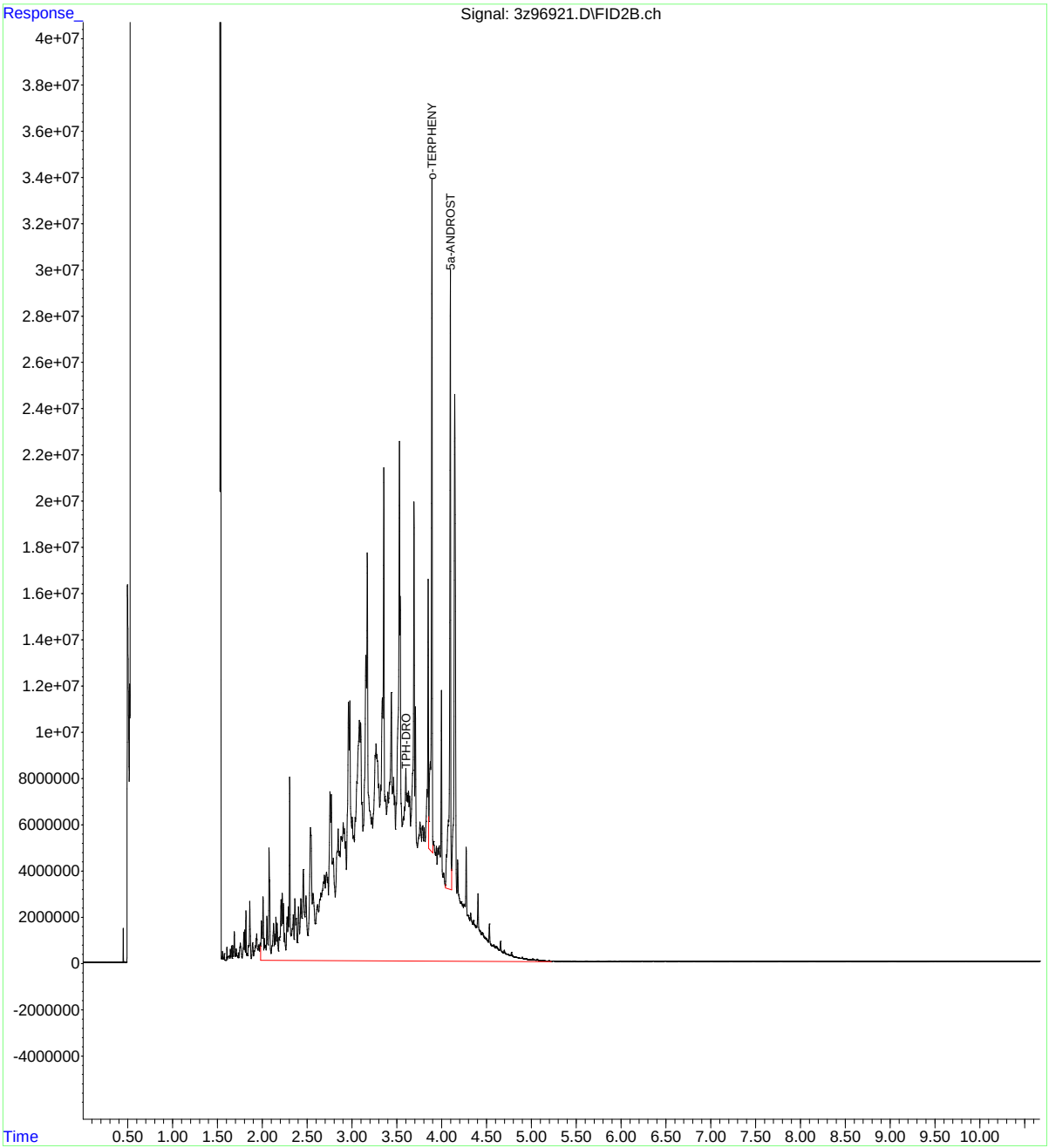
13.5.22
13

Quantitation Report (QT Reviewed)

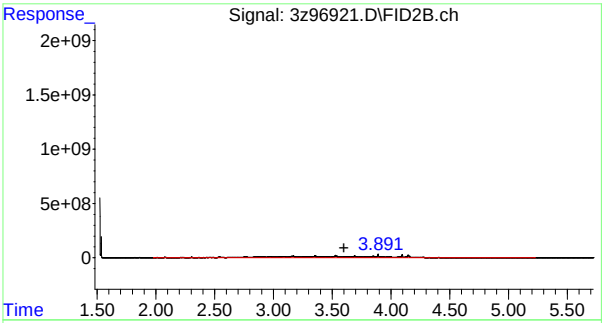
Data Path : C:\msdchem\1\data\G3Z3740\
Data File : 3z96921.D
Signal(s) : FID2B.ch
Acq On : 14 Oct 2025 12:01 am
Operator : rebeccak
Sample : ic3740-200
Misc : op68028,g3z3740,5.0,,,10,1
ALS Vial : 148 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 14 05:37:22 2025
Quant Method : C:\MSDCHEM\1\METHODS\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Tue Oct 14 05:28:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

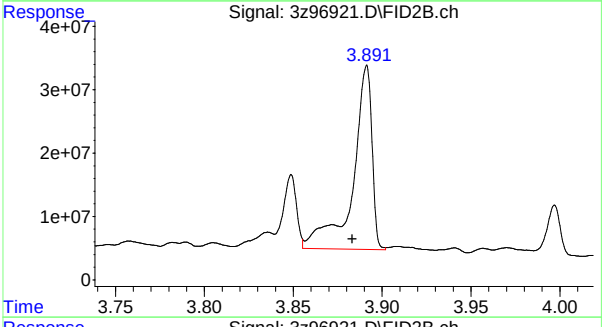


13.5.22 13



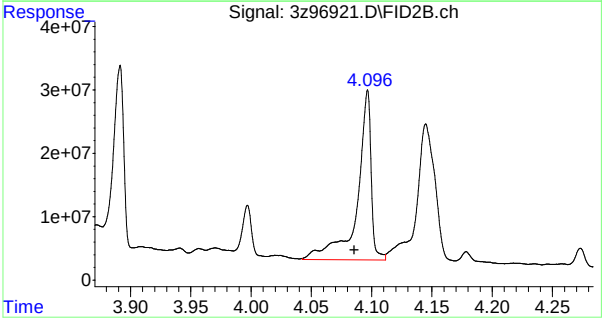
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 7364373115
Conc: 149.84 PPM



#6 o-TERPHENYL

R.T.: 3.891 min
Delta R.T.: 0.008 min
Response: 216906059
Conc: 3.27 PPM m



#7 5a-ANDROSTANE

R.T.: 4.096 min
Delta R.T.: 0.011 min
Response: 216041837
Conc: 3.62 PPM m

13.5.22
13

Manual Integration Approval Summary

Sample Number: G3Z3740-IC3740
Lab FileID: 3Z96921.D
Injection Time: 10/14/25 00:01
Method: SW846 8015D
Analyst approved: 10/14/25 05:55 Rebecca Krug
Supervisor approved: 10/14/25 05:57 Rebecca Krug

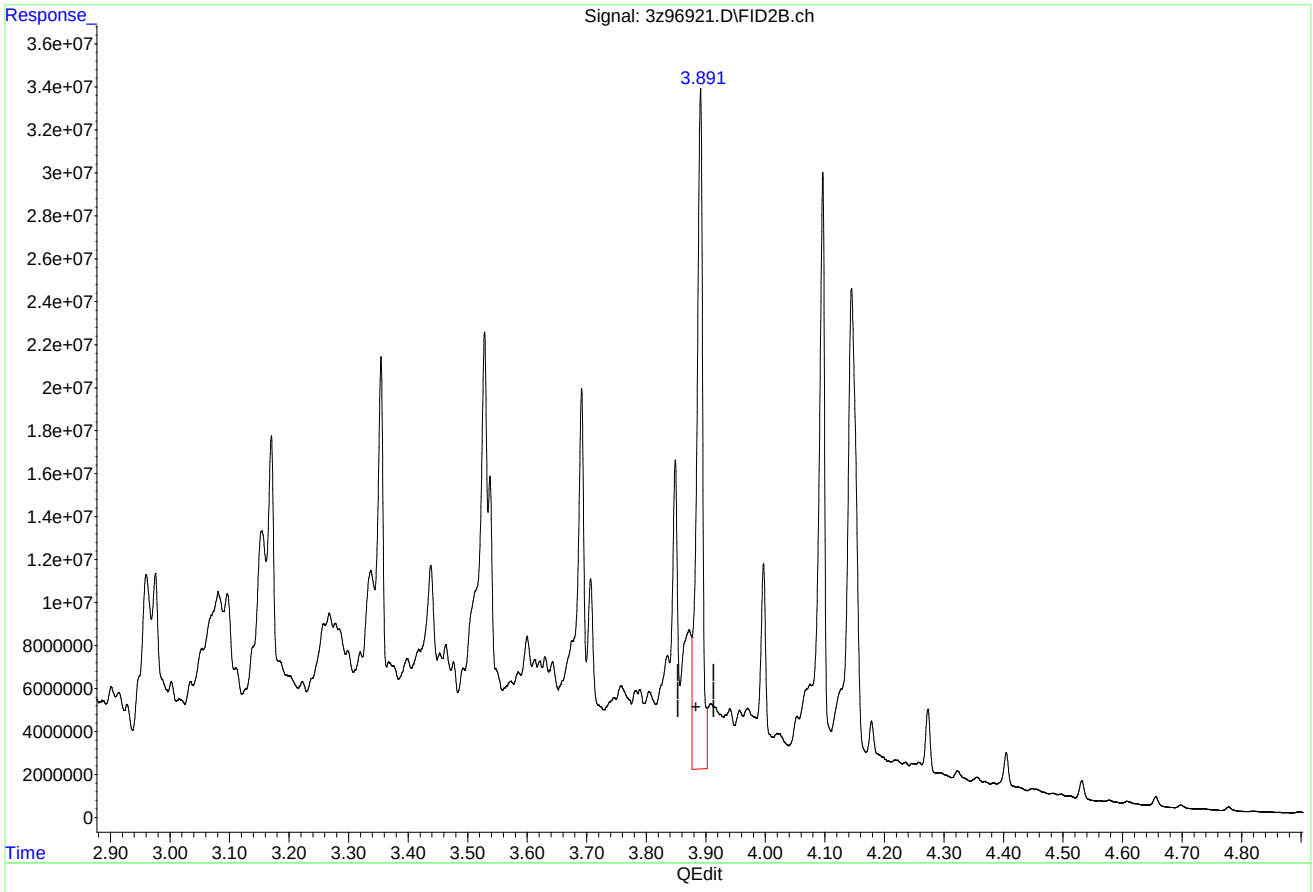
Parameter	CAS	Sig#	R.T. (min.)	Reason
o-Terphenyl	84-15-1	1	3.89	Poorly defined baseline
5a-Androstane	438-22-2	1	4.10	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G3Z3740\
Data File : 3z96921.D
Signal(s) : FID2B.ch
Acq On : 14 Oct 2025 12:01 am
Operator : rebeccak
Sample : ic3740-200
Misc : op68028,g3z3740,5.0,,,10,1
ALS Vial : 148 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 14 05:36:37 2025
Quant Method : C:\MSDCHEM\1\METHODS\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Tue Oct 14 05:28:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.891min 3.305 PPM

response 219087575

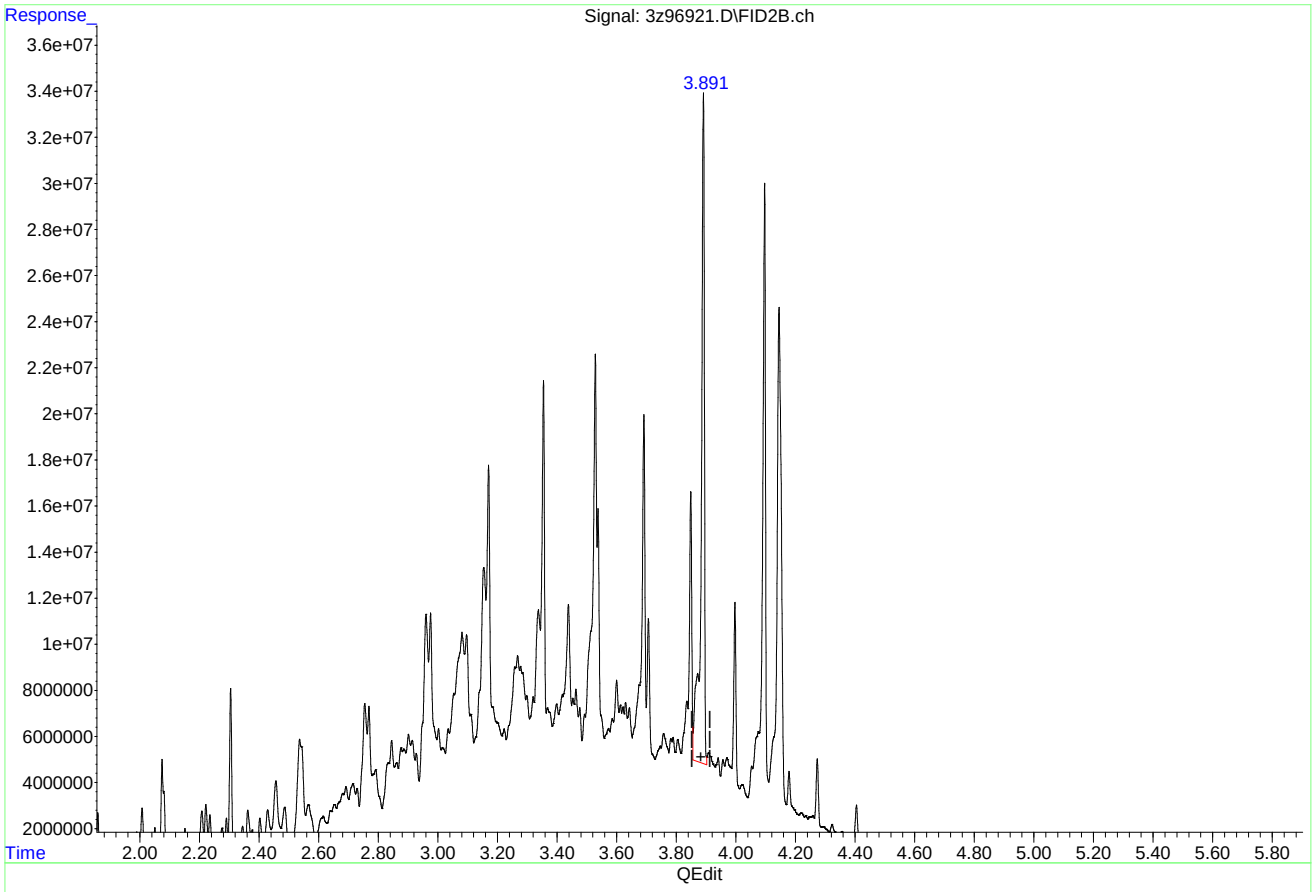
(+) = Expected Retention Time
DROLVI3Z3740.M Tue Oct 14 05:36:55 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G3Z3740\
Data File : 3z96921.D
Signal(s) : FID2B.ch
Acq On : 14 Oct 2025 12:01 am
Operator : rebeccak
Sample : ic3740-200
Misc : op68028,g3z3740,5.0,,,10,1
ALS Vial : 148 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 14 05:36:37 2025
Quant Method : C:\MSDCHEM\1\METHODS\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Tue Oct 14 05:28:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.891min 3.272 PPM m

response 216906059

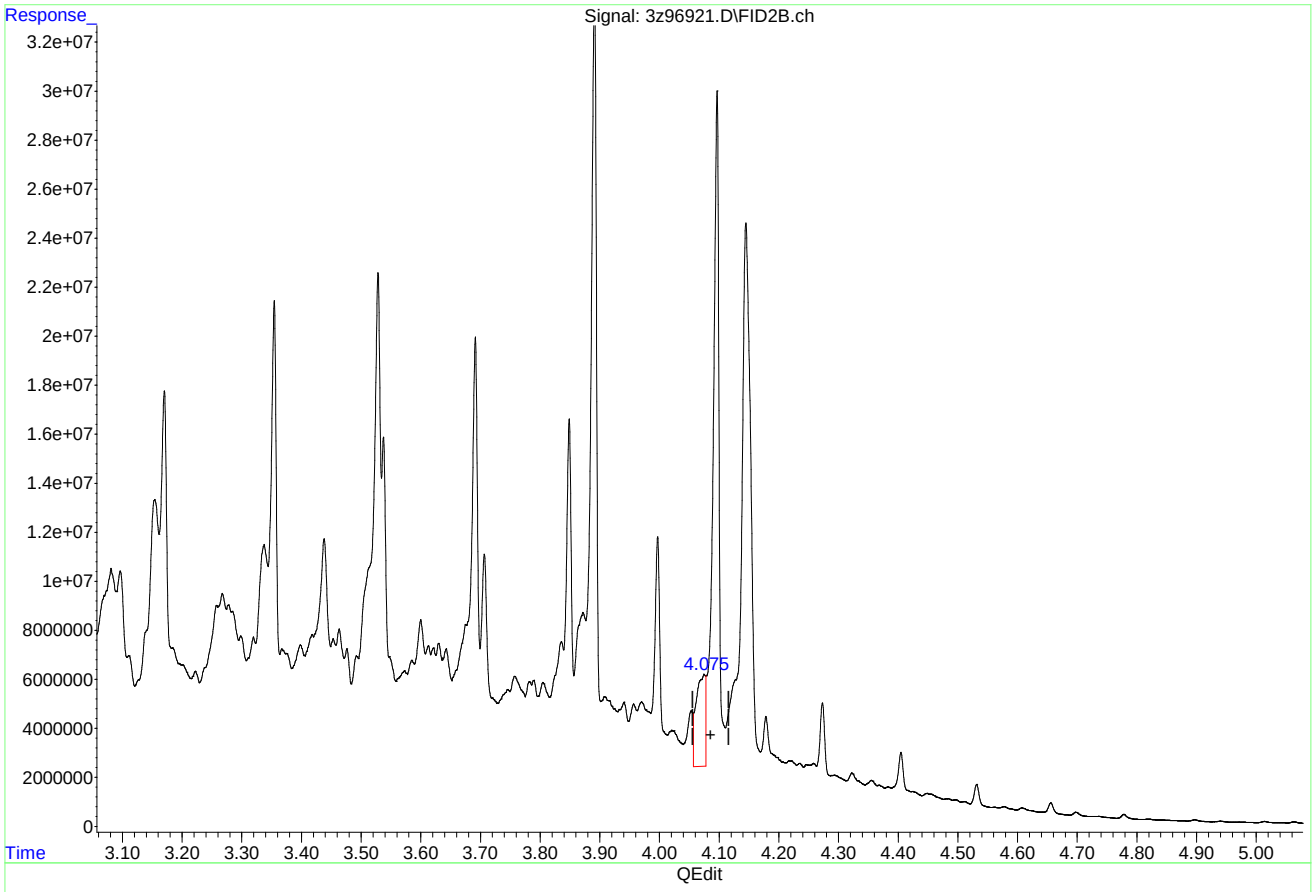
(+) = Expected Retention Time
DROLVI3Z3740.M Tue Oct 14 05:37:10 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G3Z3740\
Data File : 3z96921.D
Signal(s) : FID2B.ch
Acq On : 14 Oct 2025 12:01 am
Operator : rebeccak
Sample : ic3740-200
Misc : op68028,g3z3740,5.0,,,10,1
ALS Vial : 148 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 14 05:36:37 2025
Quant Method : C:\MSDCHEM\1\METHODS\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Tue Oct 14 05:28:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.075min 0.666 PPM

response 39785746

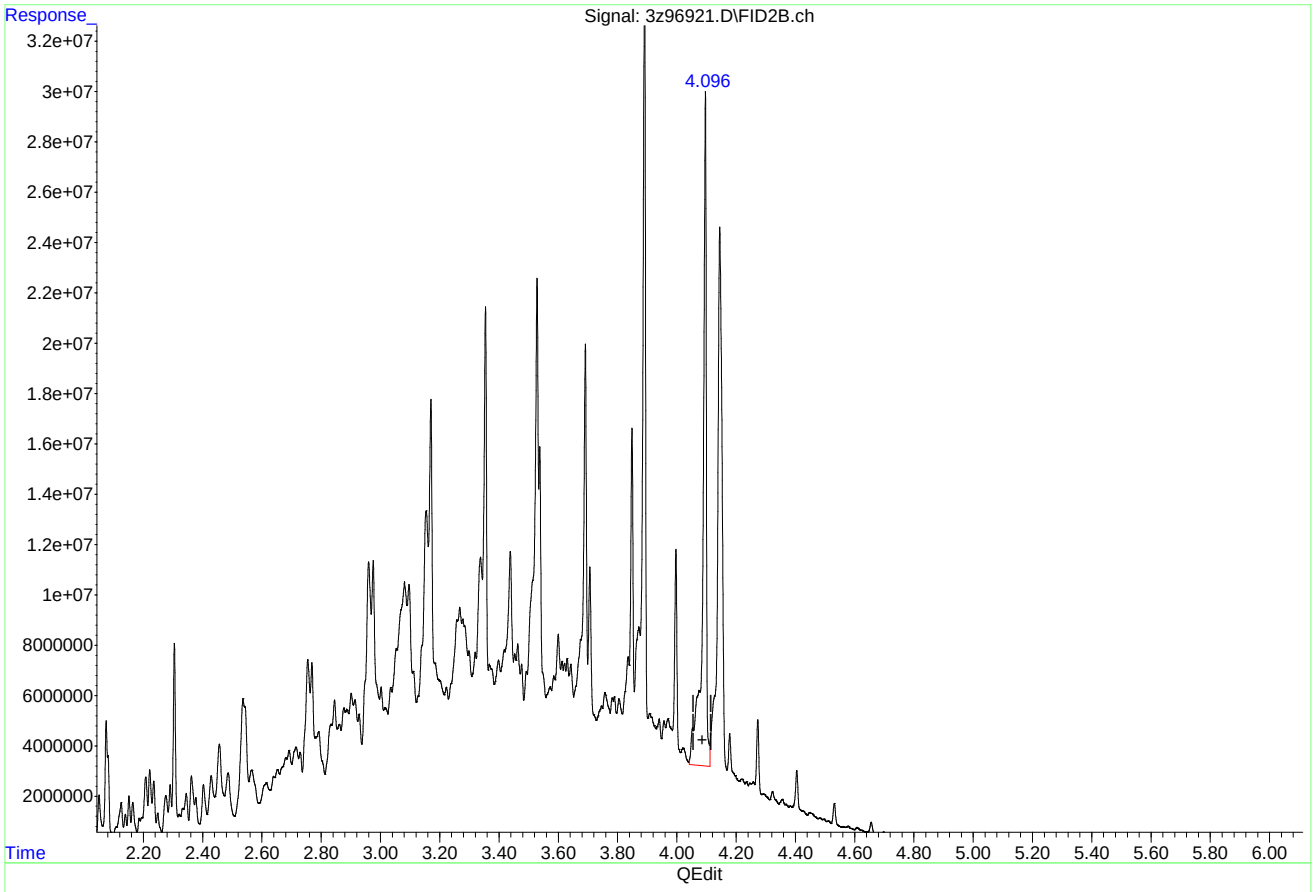
(+) = Expected Retention Time
DROLVI3Z3740.M Tue Oct 14 05:37:16 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\G3Z3740\
Data File : 3z96921.D
Signal(s) : FID2B.ch
Acq On : 14 Oct 2025 12:01 am
Operator : rebeccak
Sample : ic3740-200
Misc : op68028,g3z3740,5.0,,,10,1
ALS Vial : 148 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 14 05:36:37 2025
Quant Method : C:\MSDCHEM\1\METHODS\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Tue Oct 14 05:28:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.096min 3.616 PPM m

response 216041837

(+) = Expected Retention Time
DROLVI3Z3740.M Tue Oct 14 05:37:27 2025

13.5.22.5
13

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\G3Z3740\
Data File : 3z96922.D
Signal(s) : FID2B.ch
Acq On : 14 Oct 2025 12:21 am
Operator : rebeccak
Sample : ic3740-400
Misc : op68028,g3z3740,5.0,,,10,1
ALS Vial : 149 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 14 05:38:07 2025
Quant Method : C:\MSDCHEM\1\METHODS\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Tue Oct 14 05:28:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
Target Compounds			
1) H TPH-DRO	3.600	15546094487	316.319 PPM

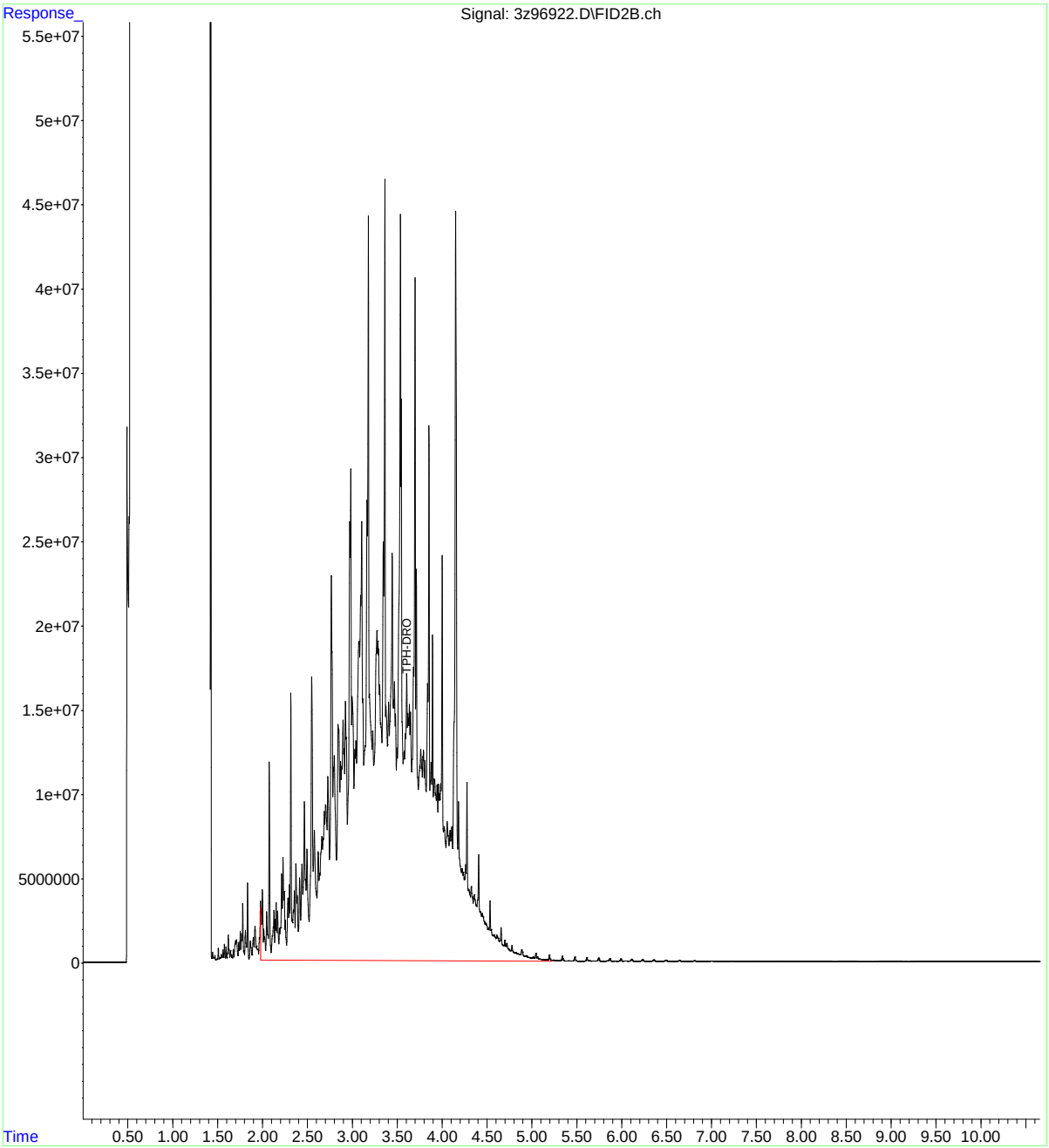
(f)=RT Delta > 1/2 Window (m)=manual int.

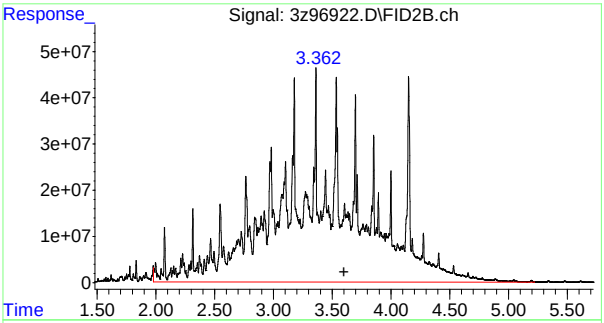
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\G3Z3740\
Data File : 3z96922.D
Signal(s) : FID2B.ch
Acq On : 14 Oct 2025 12:21 am
Operator : rebeccak
Sample : ic3740-400
Misc : op68028,g3z3740,5.0,,,10,1
ALS Vial : 149 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 14 05:38:07 2025
Quant Method : C:\MSDCHEM\1\METHODS\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Tue Oct 14 05:28:06 2025
Response via : Initial Calibration
Integrator: ChemStation

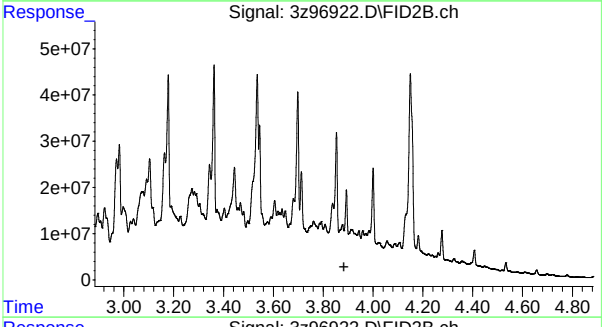
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





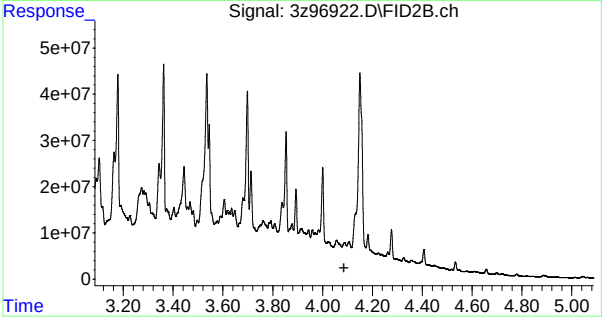
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 15546094487
Conc: 316.32 PPM



#6 o-TERPHENYL

R.T.: 0.000 min
Exp R.T. : 3.883 min
Response: 0
Conc: N.D.



#7 5a-ANDROSTANE

R.T.: 0.000 min
Exp R.T. : 4.085 min
Response: 0
Conc: N.D.

13.5.23
13

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\G3Z3740\
Data File : 3z96923.D
Signal(s) : FID2B.ch
Acq On : 14 Oct 2025 12:41 am
Operator : rebeccak
Sample : icv3740-40
Misc : op68028,g3z3740,5.0,,,10,1
ALS Vial : 150 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 14 05:46:05 2025
Quant Method : C:\MSDCHEM\1\METHODS\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Tue Oct 14 05:45:41 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
Target Compounds			
1) H TPH-DRO	3.600	1581008619	41.584 PPM

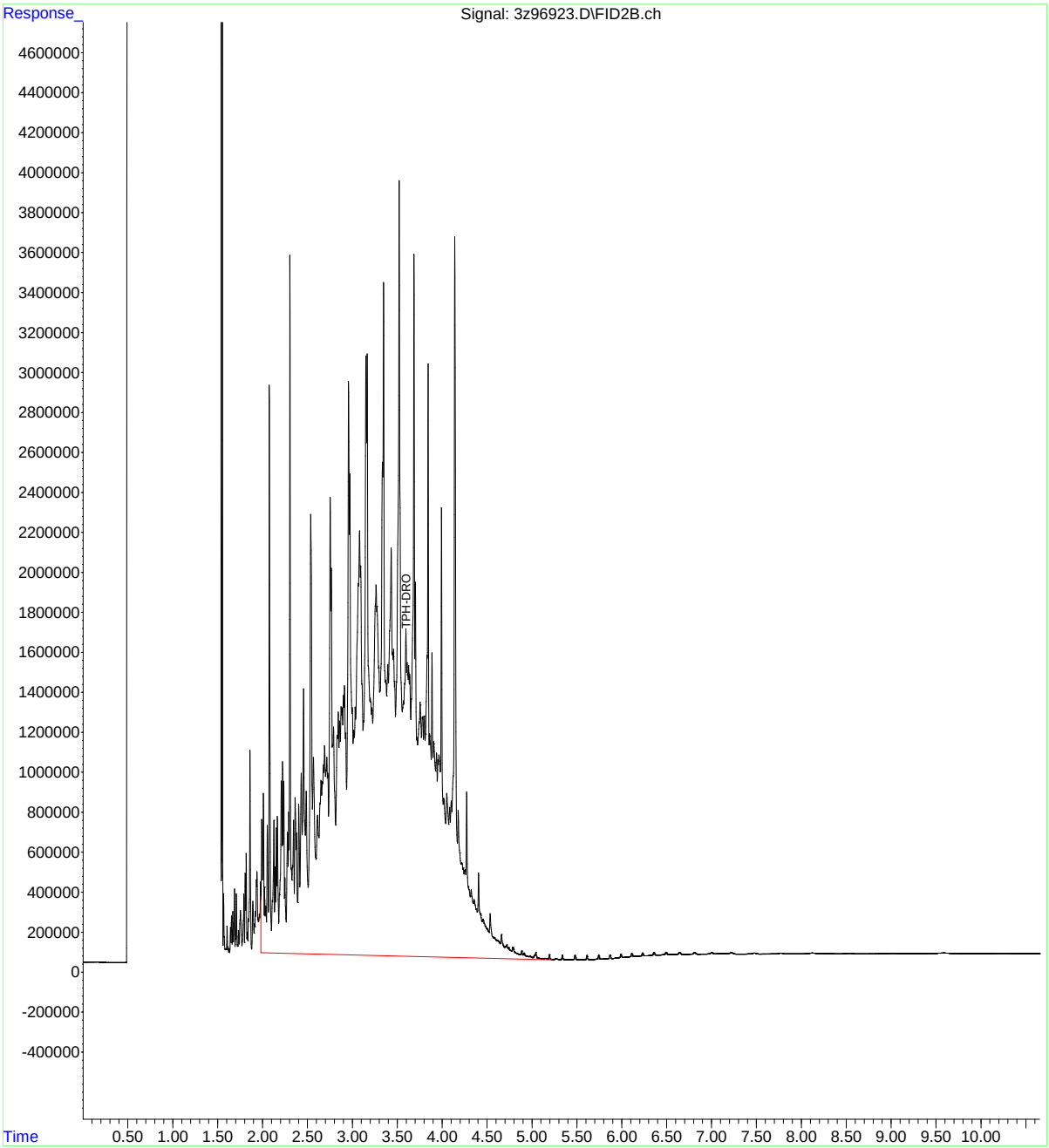
(f)=RT Delta > 1/2 Window (m)=manual int.

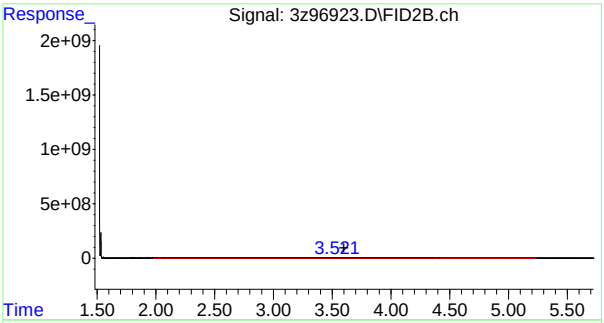
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\G3Z3740\
Data File : 3z96923.D
Signal(s) : FID2B.ch
Acq On : 14 Oct 2025 12:41 am
Operator : rebeccak
Sample : icv3740-40
Misc : op68028,g3z3740,5.0,,,10,1
ALS Vial : 150 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 14 05:46:05 2025
Quant Method : C:\MSDCHEM\1\METHODS\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Tue Oct 14 05:45:41 2025
Response via : Initial Calibration
Integrator: ChemStation

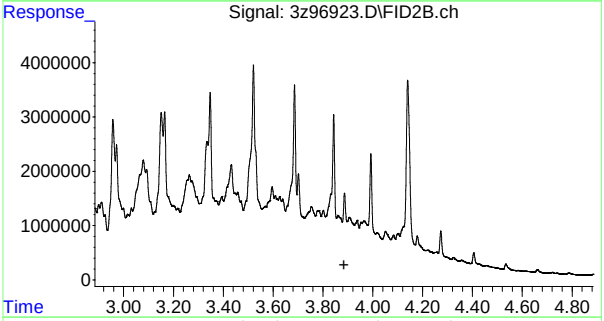
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





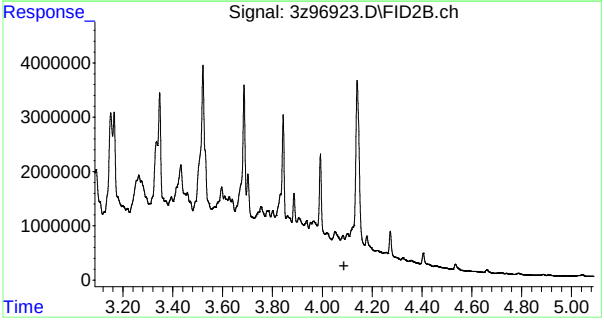
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 1581008619
Conc: 41.58 PPM



#6 o-TERPHENYL

R.T.: 0.000 min
Exp R.T. : 3.884 min
Response: 0
Conc: N.D.



#7 5a-ANDROSTANE

R.T.: 0.000 min
Exp R.T. : 4.087 min
Response: 0
Conc: N.D.

13.5.24
13

Manual Integrations APPROVED (compounds with "m" flag)
Sarah Cruz
10/22/25 01:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\laylanie\G3Z3747\
Data File : 3z97167.D
Signal(s) : FID2B.ch
Acq On : 20 Oct 2025 1:25 am
Operator : rebeccak
Sample : cc3740-40
Misc : op68245,g3z3747,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 21 08:45:12 2025
Quant Method : C:\msdchem\1\data\laylanie\G3Z3747\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Mon Oct 20 11:32:14 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
6) S o-TERPHENYL	3.870	49379527	0.943 PPM m
Spiked Amount 50.000		Recovery =	1.89%
7) S 5a-ANDROSTANE	4.074	42290331	0.831 PPM m
Spiked Amount 50.000		Recovery =	1.66%
Target Compounds			
1) H TPH-DRO	3.600	1593718315	41.919 PPM

(f)=RT Delta > 1/2 Window (m)=manual int.

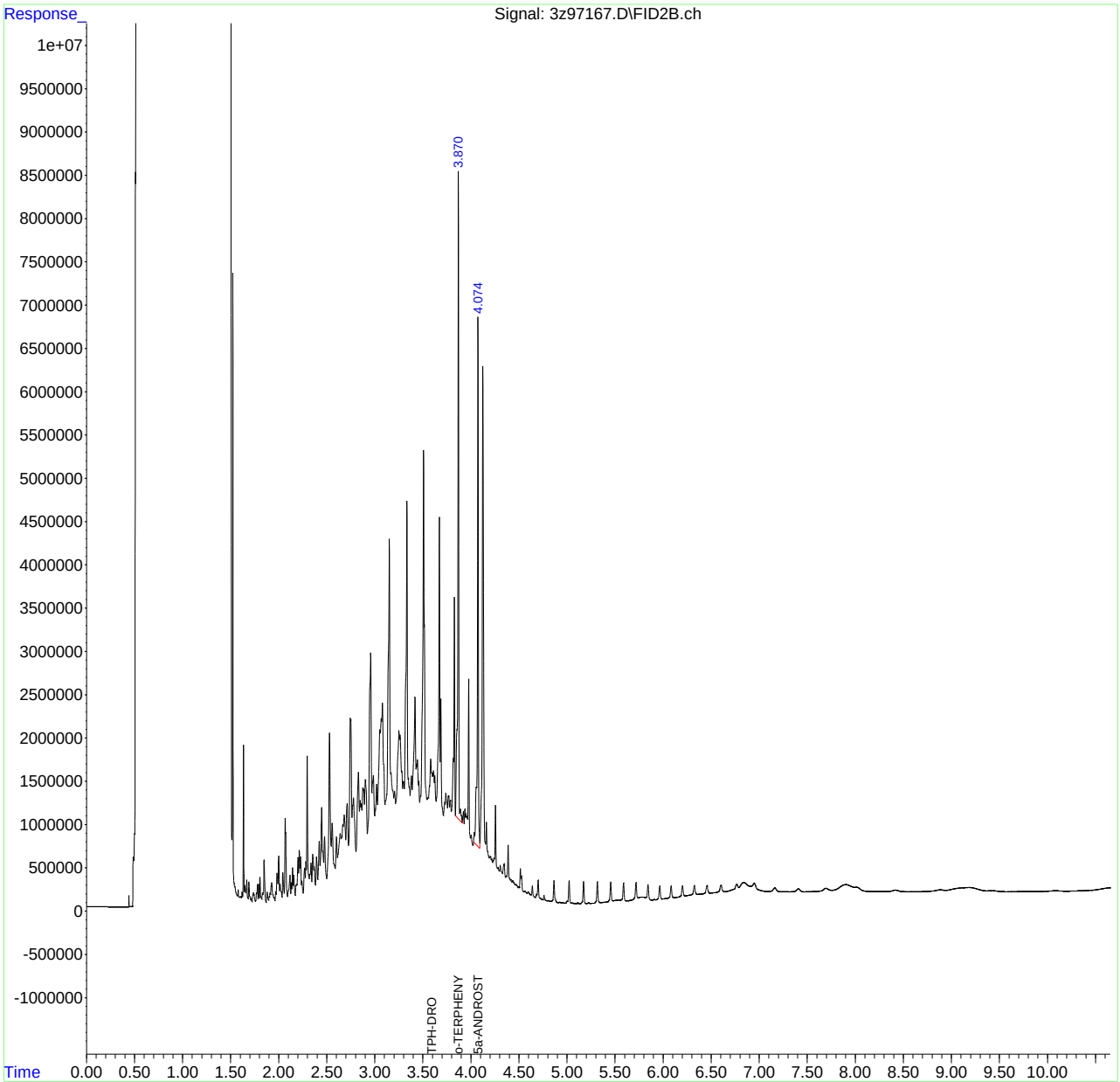
13.5.25
13

Quantitation Report (QT Reviewed)

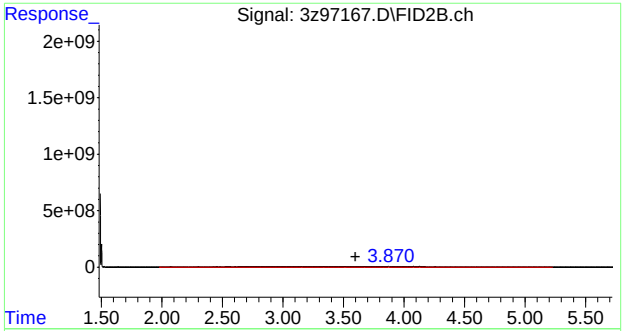
Data Path : C:\msdchem\1\data\laylanie\G3Z3747\
Data File : 3z97167.D
Signal(s) : FID2B.ch
Acq On : 20 Oct 2025 1:25 am
Operator : rebeccak
Sample : cc3740-40
Misc : op68245,g3z3747,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 21 08:45:12 2025
Quant Method : C:\msdchem\1\data\laylanie\G3Z3747\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Mon Oct 20 11:32:14 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

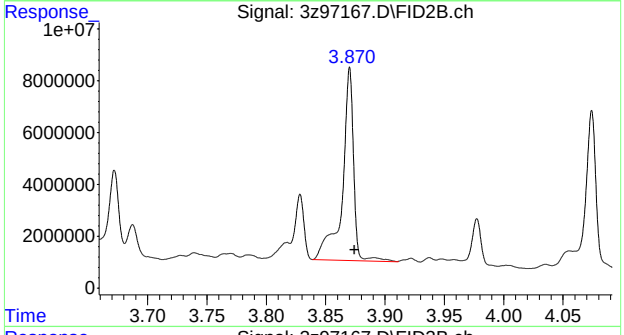


13.5.25 13



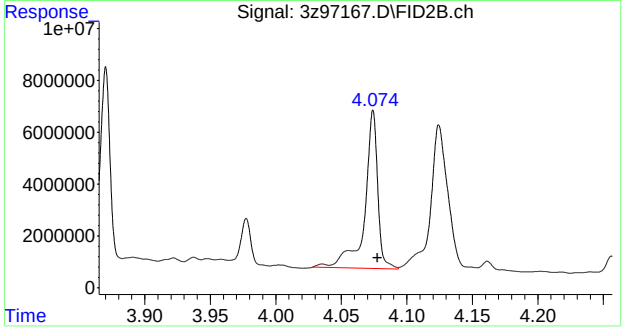
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 1593718315
Conc: 41.92 PPM



#6 o-TERPHENYL

R.T.: 3.870 min
Delta R.T.: -0.004 min
Response: 49379527
Conc: 0.94 PPM m



#7 5a-ANDROSTANE

R.T.: 4.074 min
Delta R.T.: -0.004 min
Response: 42290331
Conc: 0.83 PPM m

13.5.25
13

Manual Integration Approval Summary

Sample Number: G3Z3747-CC3740 **Method:** SW846 8015D
Lab FileID: 3Z97167.D **Analyst approved:** 10/20/25 21:05 Laylanie Caunin
Injection Time: 10/20/25 01:25 **Supervisor approved:** 10/22/25 01:15 Sarah Cruz

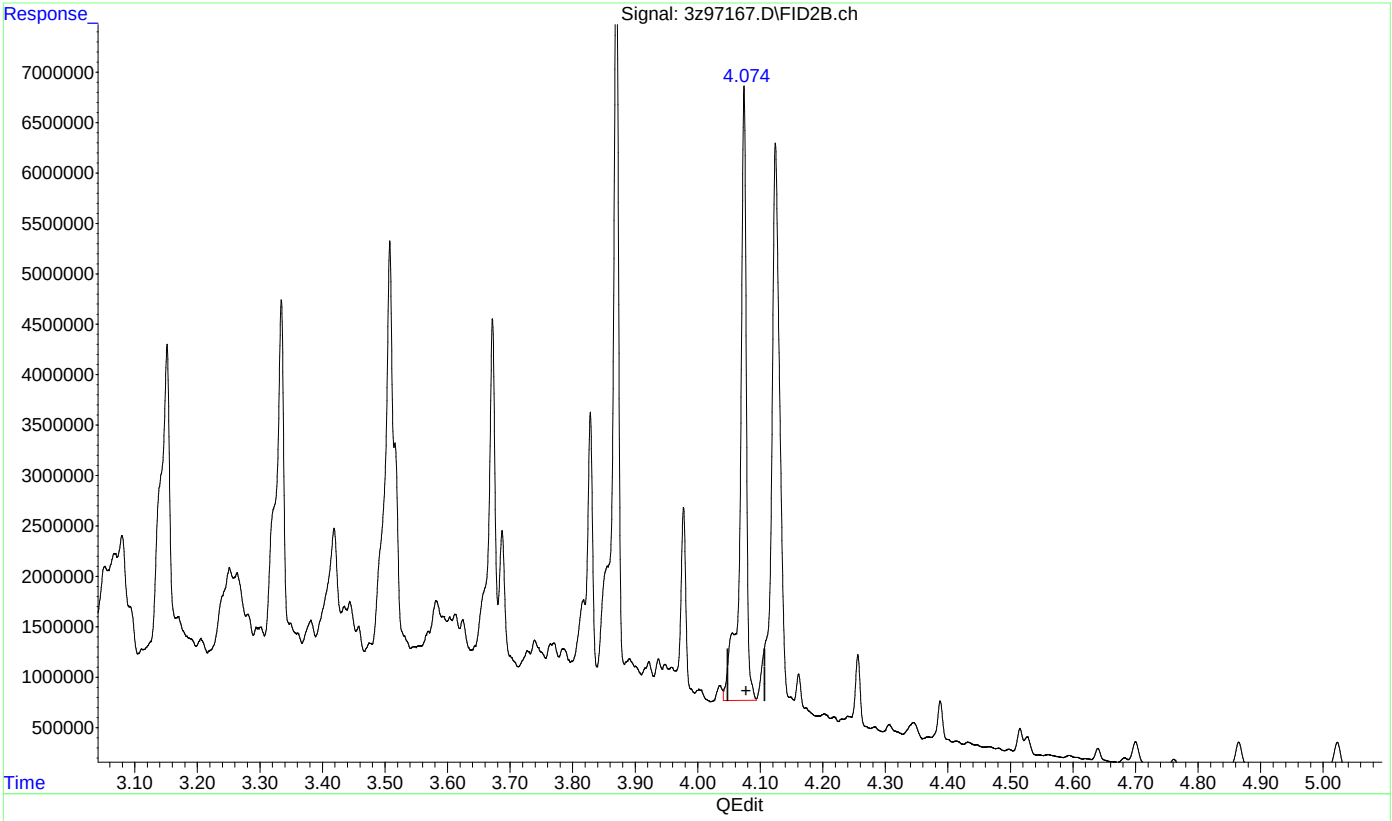
Parameter	CAS	Sig#	R.T. (min.)	Reason
o-Terphenyl	84-15-1	1	3.87	Poorly defined baseline
5a-Androstane	438-22-2	1	4.07	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\laylanie\G3Z3747\
Data File : 3z97167.D
Signal(s) : FID2B.ch
Acq On : 20 Oct 2025 1:25 am
Operator : rebeccak
Sample : cc3740-40
Misc : op68245,g3z3747,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 21 06:44:55 2025
Quant Method : C:\msdchem\1\data\laylanie\G3Z3747\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Mon Oct 20 11:32:14 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.074min 0.811 PPM

response 41249729

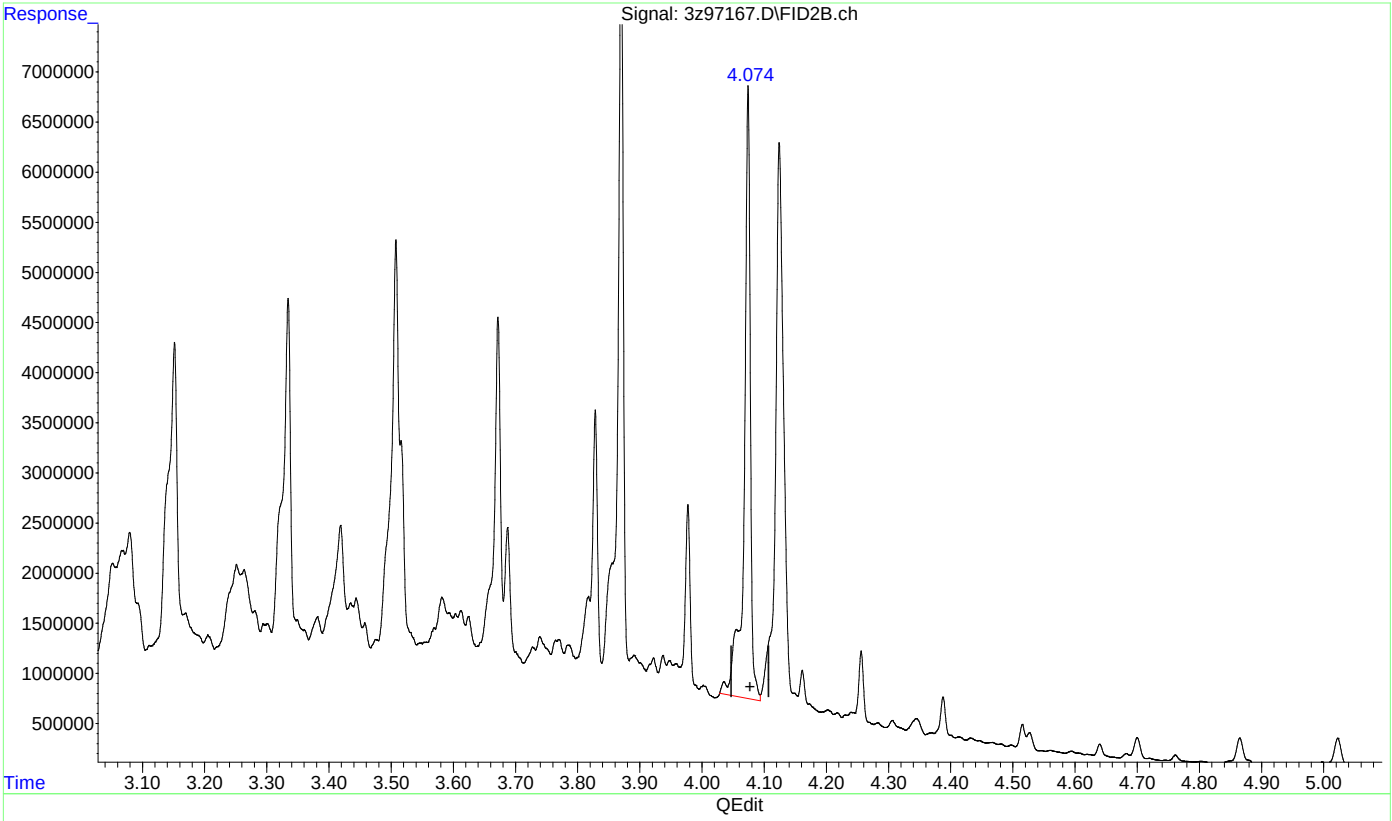
(+) = Expected Retention Time
DROLVI3Z3740.M Tue Oct 21 08:44:20 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\laylanie\G3Z3747\
Data File : 3z97167.D
Signal(s) : FID2B.ch
Acq On : 20 Oct 2025 1:25 am
Operator : rebeccak
Sample : cc3740-40
Misc : op68245,g3z3747,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 21 06:44:55 2025
Quant Method : C:\msdchem\1\data\laylanie\G3Z3747\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Mon Oct 20 11:32:14 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.074min 0.831 PPM m

response 42290331

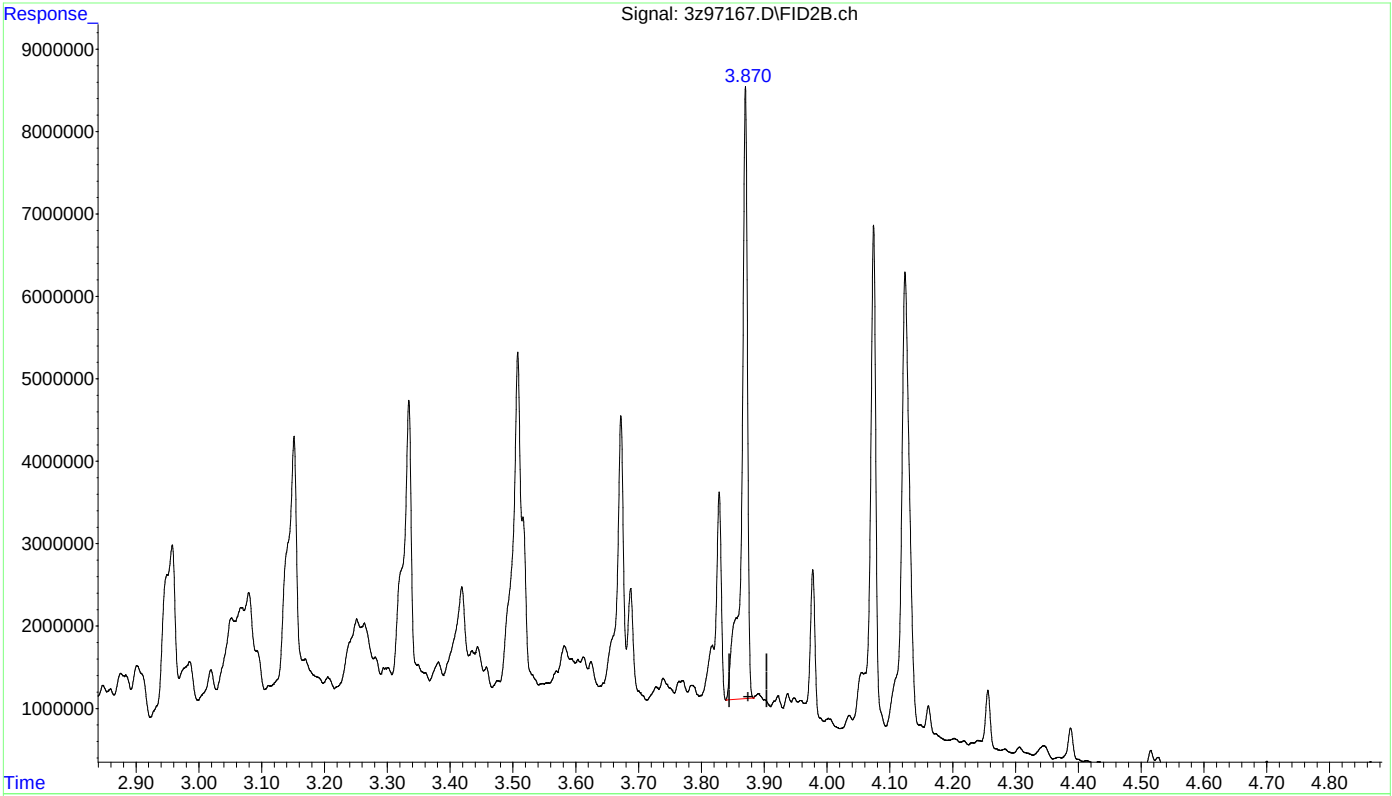
(+) = Expected Retention Time
DROLVI3Z3740.M Tue Oct 21 08:44:32 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\laylanie\G3Z3747\
Data File : 3z97167.D
Signal(s) : FID2B.ch
Acq On : 20 Oct 2025 1:25 am
Operator : rebeccak
Sample : cc3740-40
Misc : op68245,g3z3747,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 21 06:44:55 2025
Quant Method : C:\msdchem\1\data\laylanie\G3Z3747\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Mon Oct 20 11:32:14 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.870min 0.898 PPM

response 47018348

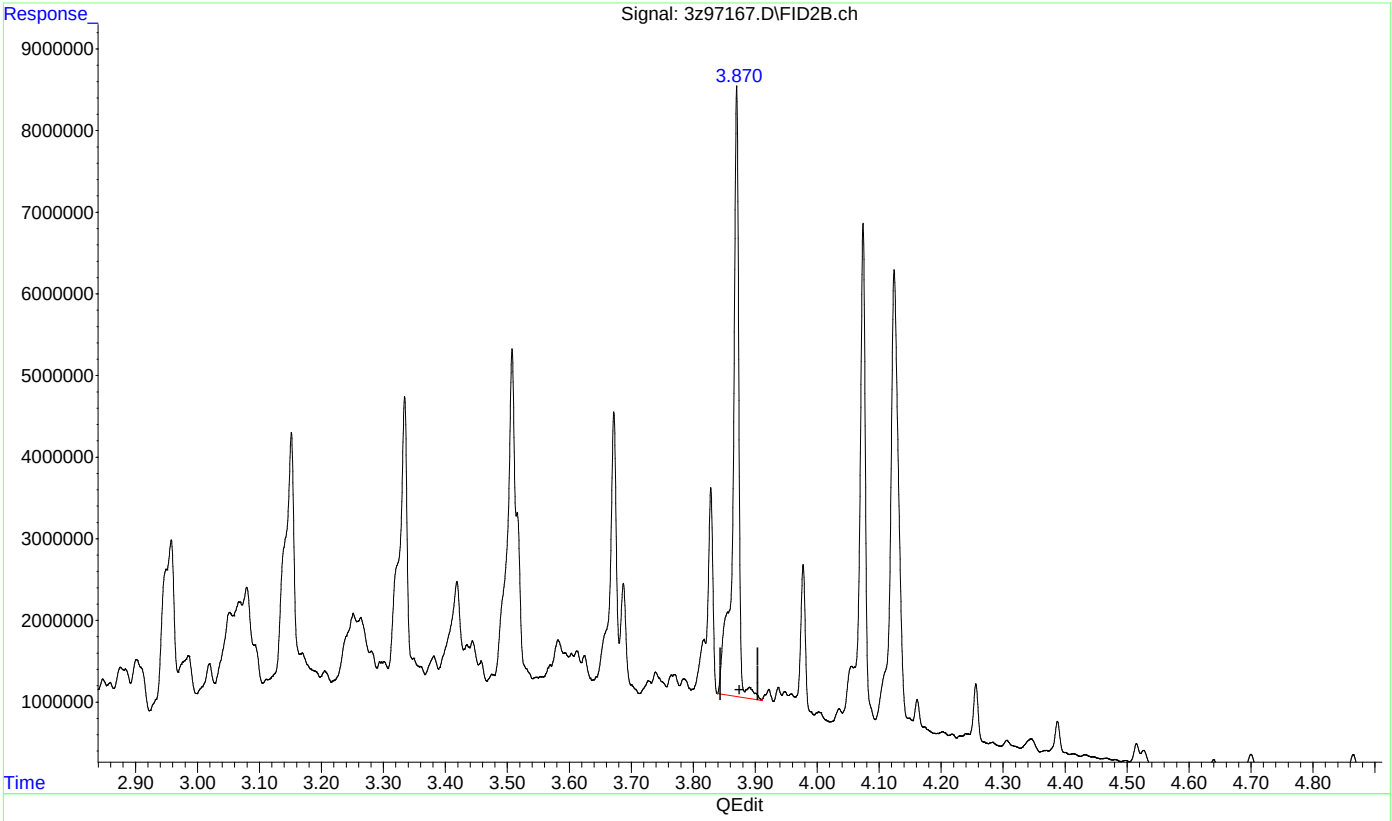
(+) = Expected Retention Time
DROLVI3Z3740.M Tue Oct 21 08:44:38 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\laylanie\G3Z3747\
Data File : 3z97167.D
Signal(s) : FID2B.ch
Acq On : 20 Oct 2025 1:25 am
Operator : rebeccak
Sample : cc3740-40
Misc : op68245,g3z3747,5.0,,,10,1
ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 21 06:44:55 2025
Quant Method : C:\msdchem\1\data\laylanie\G3Z3747\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Mon Oct 20 11:32:14 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.870min 0.943 PPM m

response 49379527

(+) = Expected Retention Time
DROLVI3Z3740.M Tue Oct 21 08:45:16 2025

Manual Integrations APPROVED (compounds with "m" flag)
Sarah Cruz
10/22/25 01:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\laylanie\G3Z3747\
Data File : 3z97175.D
Signal(s) : FID2B.ch
Acq On : 20 Oct 2025 4:05 am
Operator : rebeccak
Sample : cc3740-20
Misc : op68149,g3z3747,55.0,,,2,1
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 21 08:53:28 2025
Quant Method : C:\msdchem\1\data\laylanie\G3Z3747\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Mon Oct 20 11:32:14 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
6) S o-TERPHENYL	3.867	24462769	0.467 PPM m
Spiked Amount 50.000		Recovery =	0.93%
7) S 5a-ANDROSTANE	4.070	20997827	0.413 PPM m
Spiked Amount 50.000		Recovery =	0.83%
Target Compounds			
1) H TPH-DRO	3.600	806006746	21.200 PPM

(f)=RT Delta > 1/2 Window (m)=manual int.

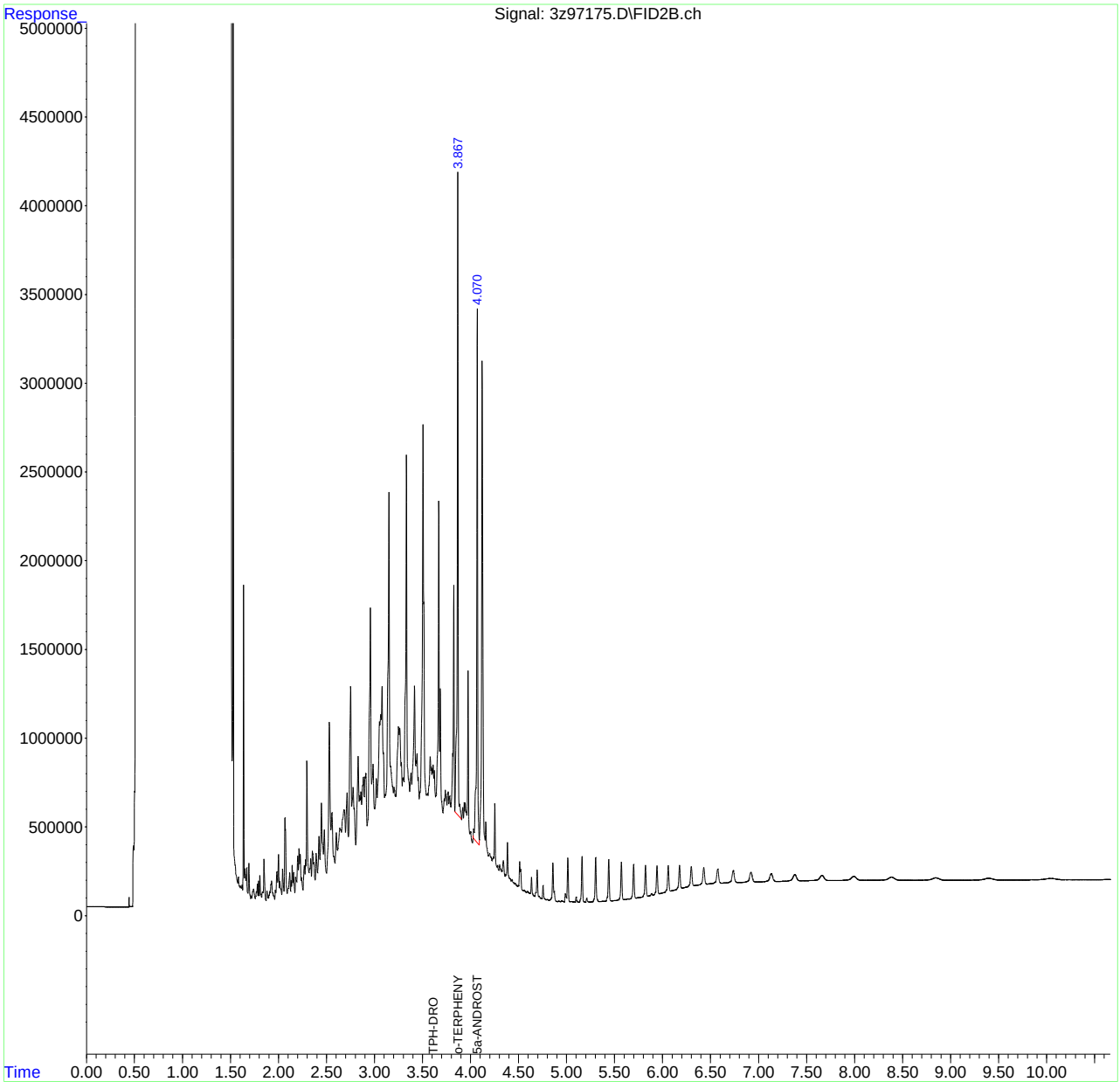
13.5.26
13

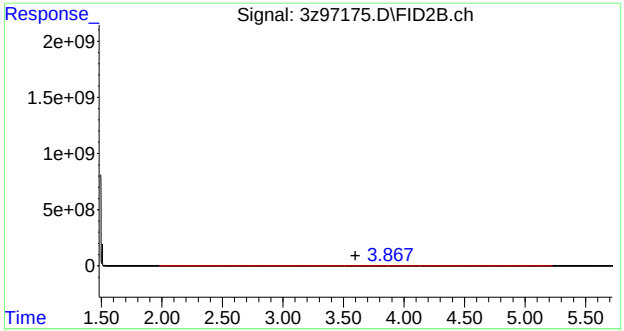
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\laylanie\G3Z3747\
Data File : 3z97175.D
Signal(s) : FID2B.ch
Acq On : 20 Oct 2025 4:05 am
Operator : rebeccak
Sample : cc3740-20
Misc : op68149,g3z3747,55.0,,,2,1
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 21 08:53:28 2025
Quant Method : C:\msdchem\1\data\laylanie\G3Z3747\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Mon Oct 20 11:32:14 2025
Response via : Initial Calibration
Integrator: ChemStation

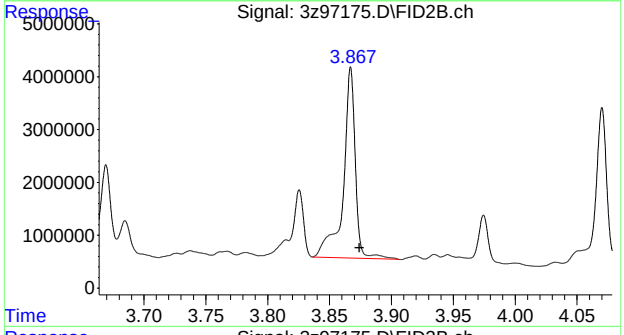
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





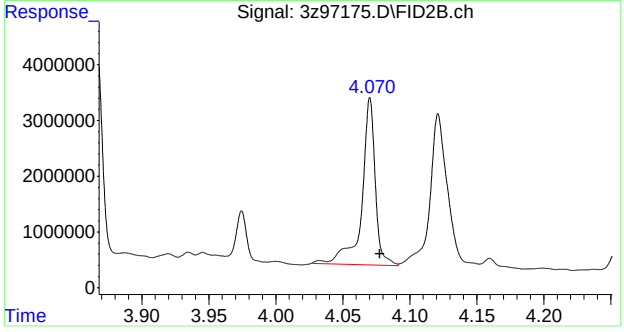
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 806006746
Conc: 21.20 PPM



#6 o-TERPHENYL

R.T.: 3.867 min
Delta R.T.: -0.007 min
Response: 24462769
Conc: 0.47 PPM m



#7 5a-ANDROSTANE

R.T.: 4.070 min
Delta R.T.: -0.007 min
Response: 20997827
Conc: 0.41 PPM m

13.5.26
13

Manual Integration Approval Summary

Sample Number: G3Z3747-CC3740
Lab FileID: 3Z97175.D
Injection Time: 10/20/25 04:05
Method: SW846 8015D
Analyst approved: 10/20/25 21:05 Laylanie Caunin
Supervisor approved: 10/22/25 01:15 Sarah Cruz

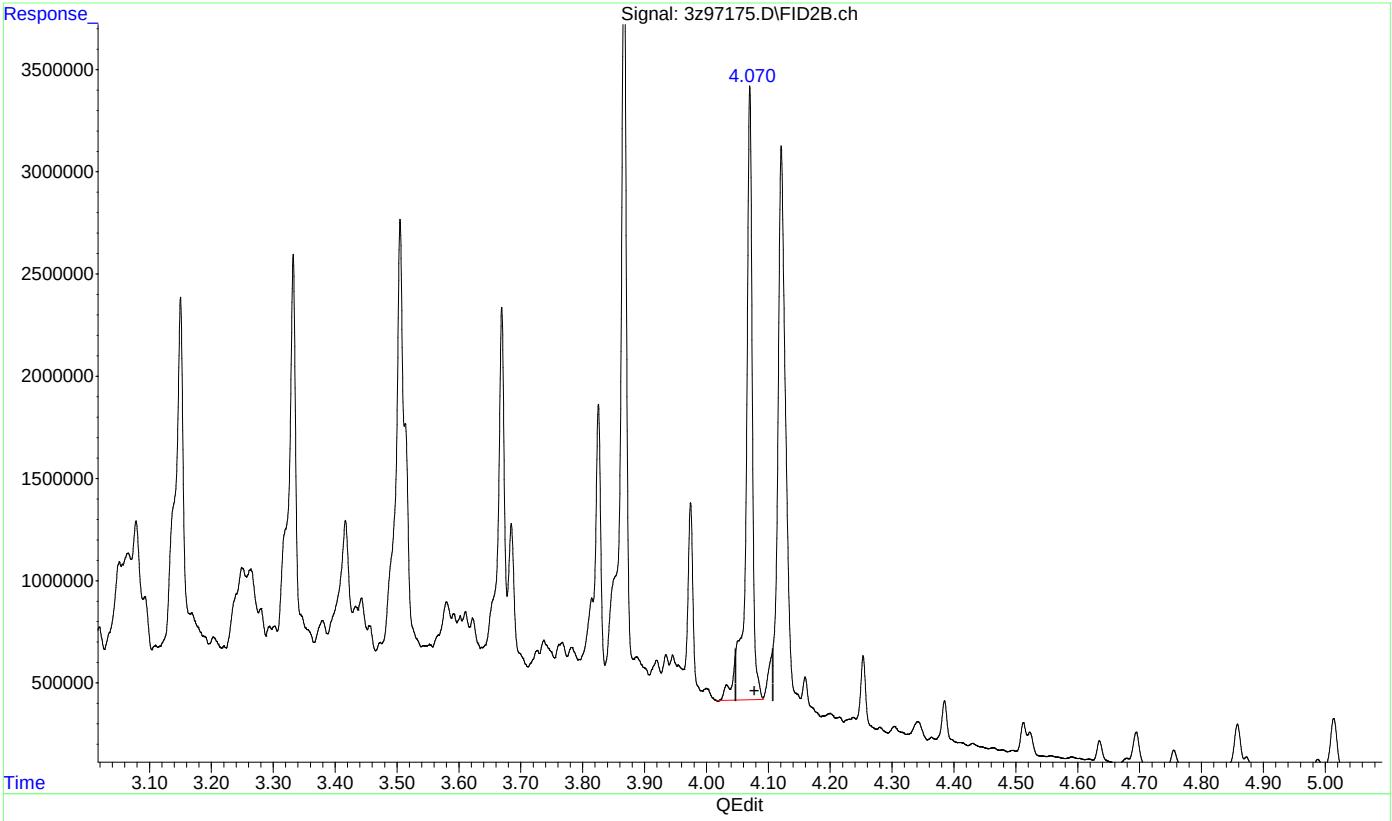
Parameter	CAS	Sig#	R.T. (min.)	Reason
o-Terphenyl	84-15-1	1	3.87	Poorly defined baseline
5a-Androstane	438-22-2	1	4.07	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\laylanie\G3Z3747\
Data File : 3z97175.D
Signal(s) : FID2B.ch
Acq On : 20 Oct 2025 4:05 am
Operator : rebeccak
Sample : cc3740-20
Misc : op68149,g3z3747,55.0,,,2,1
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 21 06:45:19 2025
Quant Method : C:\msdchem\1\data\laylanie\G3Z3747\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Mon Oct 20 11:32:14 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.070min 0.414 PPM

response 21046778

13.5.26.2

13

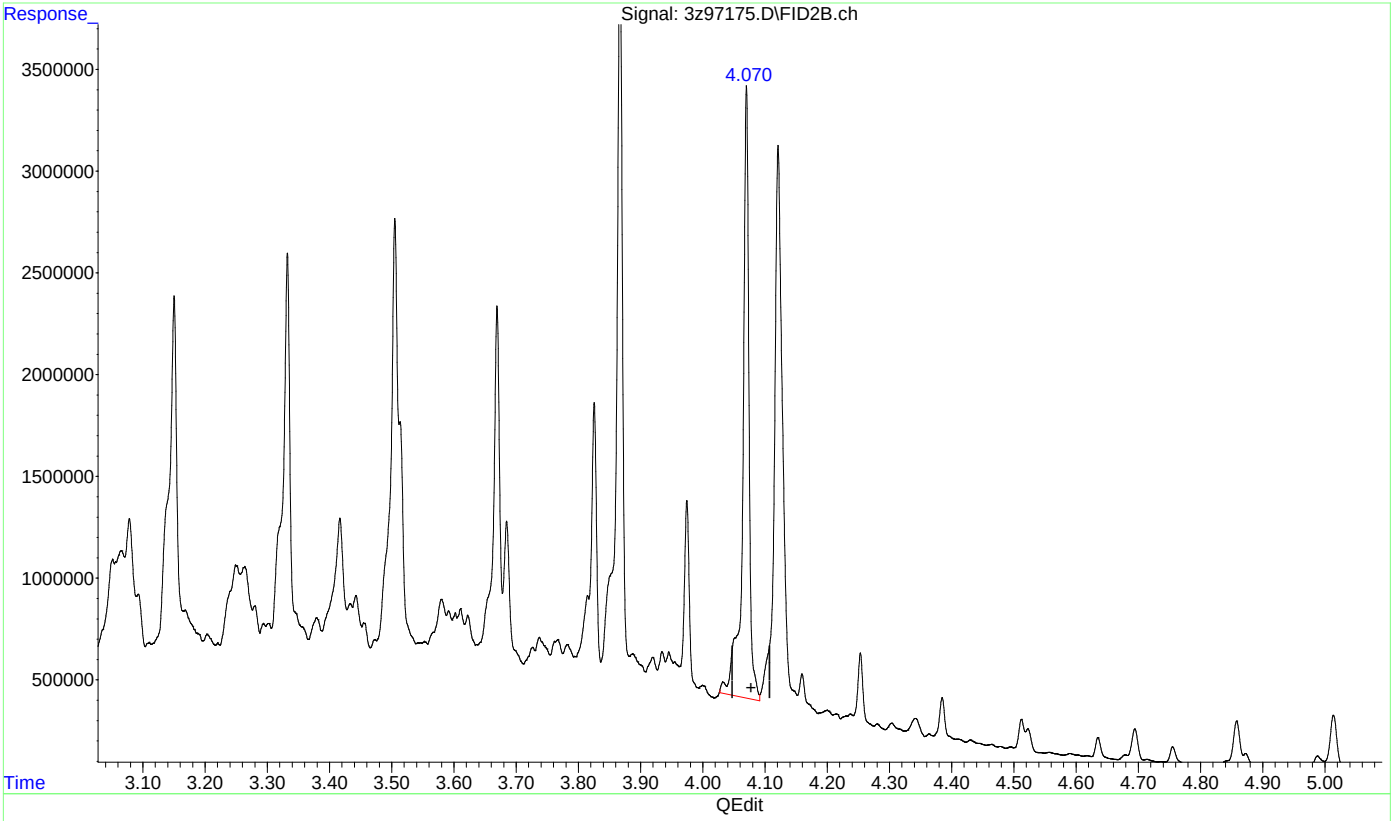
(+) = Expected Retention Time
DROLVI3Z3740.M Tue Oct 21 08:53:08 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\laylanie\G3Z3747\
Data File : 3z97175.D
Signal(s) : FID2B.ch
Acq On : 20 Oct 2025 4:05 am
Operator : rebeccak
Sample : cc3740-20
Misc : op68149,g3z3747,55.0,,,2,1
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 21 06:45:19 2025
Quant Method : C:\msdchem\1\data\laylanie\G3Z3747\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Mon Oct 20 11:32:14 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.070min 0.413 PPM m

response 20997827

(+) = Expected Retention Time
DROLVI3Z3740.M Tue Oct 21 08:53:20 2025

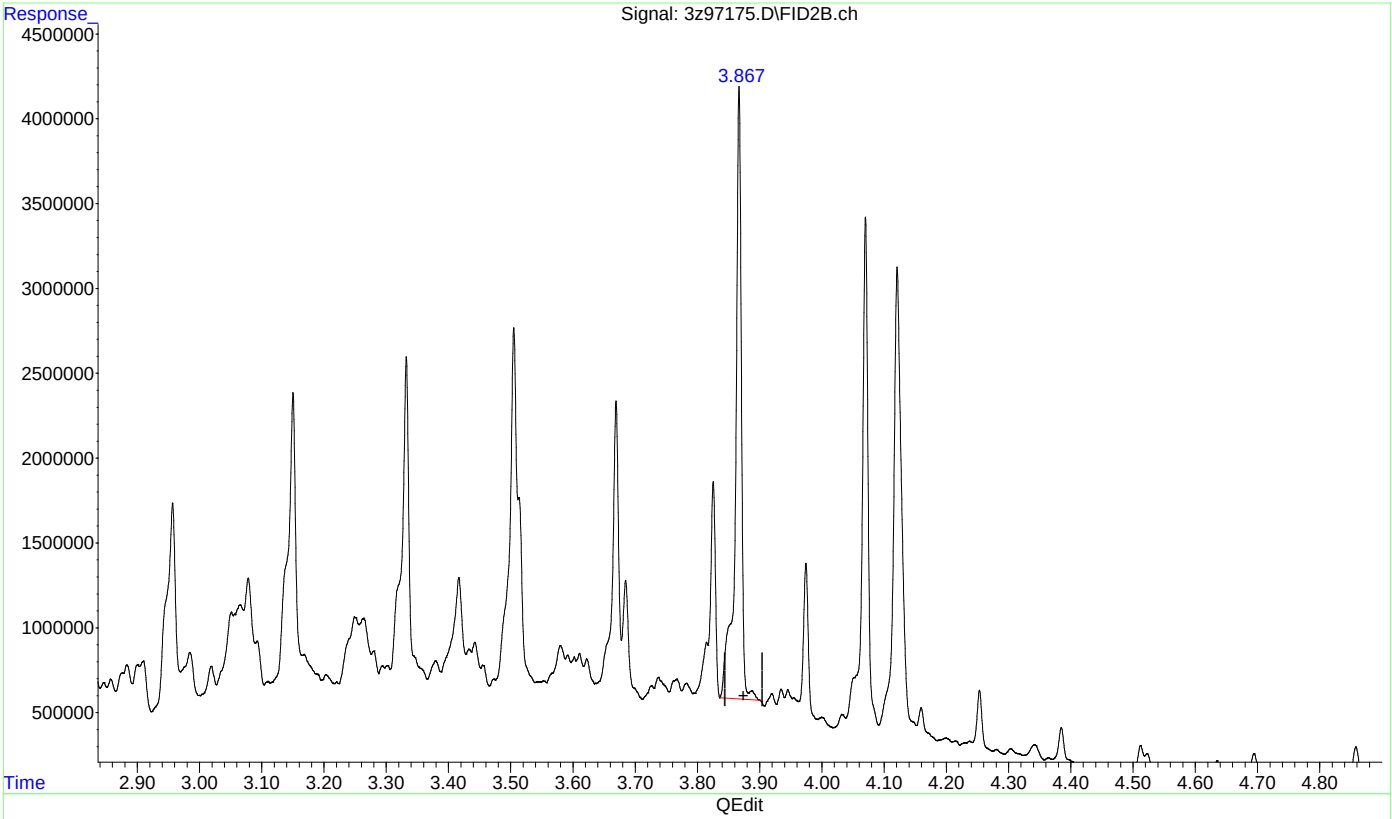
13.5.26.3
13

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\laylanie\G3Z3747\
Data File : 3z97175.D
Signal(s) : FID2B.ch
Acq On : 20 Oct 2025 4:05 am
Operator : rebeccak
Sample : cc3740-20
Misc : op68149,g3z3747,55.0,,,2,1
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 21 06:45:19 2025
Quant Method : C:\msdchem\1\data\laylanie\G3Z3747\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Mon Oct 20 11:32:14 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.867min 0.456 PPM

response 23876256

(+) = Expected Retention Time
DROLVI3Z3740.M Tue Oct 21 08:53:23 2025

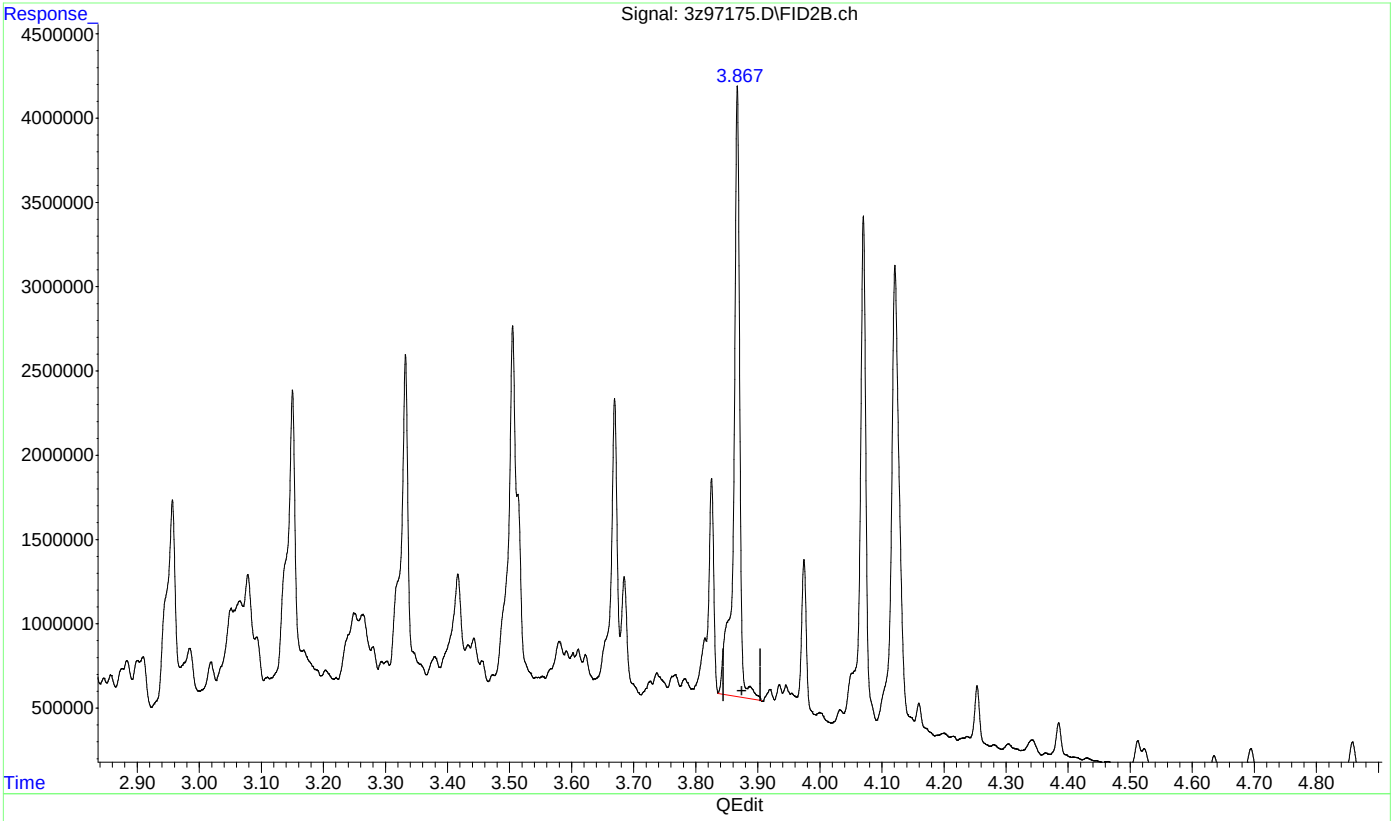
13.5.26.4
13

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\laylanie\G3Z3747\
Data File : 3z97175.D
Signal(s) : FID2B.ch
Acq On : 20 Oct 2025 4:05 am
Operator : rebeccak
Sample : cc3740-20
Misc : op68149,g3z3747,55.0,,,2,1
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 21 06:45:19 2025
Quant Method : C:\msdchem\1\data\laylanie\G3Z3747\DROLVI3Z3740.M
Quant Title : GCTPHS
QLast Update : Mon Oct 20 11:32:14 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.867min 0.467 PPM m

response 24462769

(+) = Expected Retention Time
DROLVI3Z3740.M Tue Oct 21 08:53:31 2025

SEMIVOLATILE by GC ANALYSIS LOG

Date: 10/17/25

Standard Data

Lot#	Description	Concentration
SV25-170A	DRO Standard	20 ppm
SV25-170B	DRO Standard	40 ppm
SV25-148	RT Window	10 ppm
SV25-149	DRO LVI IB	50 ppm
254902	dcm (Fisher)	-
I1416471524	hexane (Supelco)	-

Standard data

Lot#	Description	Concentration
SV24-2992-129	DRO Stock	5000 ppm
SV24-2992-130	DRO Stock (No Surrogate)	2000 ppm
SV24-2992-31	DRO 2nd Source	1000 ppm

Batch ID: g3y3745

Analyst Name: Claudia Baydar

Columns: MXT-5

Method: DRO LVI

Initial Cal. Method: DROLVI3Y3741

Injection Volume: 25ul

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data file	OP Batch, Run ID, Vi,,,Vf, Dil.	SU	Status(data)	Comments
99	hex	3y97018	op68028,g3y3745,5.0,,,10,1		-	
1	ib	3y97019	op68028,g3y3745,5.0,,,10,1		ok	
2	rt	3y97020	op68028,g3y3745,5.0,,,10,1		ok	
131	ic3745-1	3y97021	op68028,g3y3745,5.0,,,10,1		not using	
132	ic3745-2	3y97022	op68028,g3y3745,5.0,,,10,1		ok	
133	ic3745-4	3y97023	op68028,g3y3745,5.0,,,10,1		ok	
134	ic3745-10	3y97024	op68028,g3y3745,5.0,,,10,1		ok	
135	ic3745-20	3y97025	op68028,g3y3745,5.0,,,10,1		ok	
136	ic3745-40	3y97026	op68028,g3y3745,5.0,,,10,1		ok	
137	ic3745-100	3y97027	op68028,g3y3745,5.0,,,10,1		ok	
138	ic3745-200	3y97028	op68028,g3y3745,5.0,,,10,1		ok	
139	ic3745-400	3y97029	op68028,g3y3745,5.0,,,10,1		ok	
140	ic3745-2000	3y97030	op68028,g3y3745,5.0,,,10,1		not using	
141	ic3745-5000	3y97031	op68028,g3y3745,5.0,,,10,1		not using	
142	icv3745-40	3y97032	op68028,g3y3745,5.0,,,10,1		not using	
99	hex	3y97033	op68028,g3y3745,5.0,,,10,1		-	
99	hex	3y97036	op68028,g3y3745,5.0,,,10,1		-	
131	ic3745-1	3y97037	op68028,g3y3745,5.0,,,10,1		ok	
99	hex	3y97038	op68028,g3y3745,5.0,,,10,1		-	
142	icv3745-40	3y97039	op68028,g3y3745,5.0,,,10,1		ok	
99	hex	3y97040	op68028,g3y3745,5.0,,,10,1		-	
99	hex	3y97041	op68028,g3y3745,5.0,,,10,1		-	

SEMIVOLATILE by GC ANALYSIS LOG

Date: 10/17/25

Standard Data

Lot#	Description	Concentration
SV25-170A	DRO Standard	20 ppm
SV25-170B	DRO Standard	40 ppm
SV25-148	RT Window	10 ppm
SV25-149	DRO LVI IB	50 ppm
254902	dcm (Fisher)	-
I1416471524	hexane (Supelco)	-

Standard data

Lot#	Description	Concentration
SV24-2992-129	DRO Stock	5000 ppm
SV24-2992-130	DRO Stock (No Surrogate)	2000 ppm
SV24-2992-31	DRO 2nd Source	1000 ppm

Batch ID: g3y3746

Analyst Name: Claudia Baydar

Columns: MXT-5

Method: DRO LVI

Initial Cal. Method: DROLVI3Y3745

Injection Volume: 25ul

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data file	OP Batch, Run ID, Vi,,,Vf, Dil.	SU	Status(data)	Comments
4	cc3745-40	3y97042	op68028,g3y3746,5.0,,,10,1		ok	
1	ib	3y97043	op68028,g3y3746,5.0,,,10,1		ok	
2	rt	3y97044	op68028,g3y3746,5.0,,,10,1		ok	
6	op68149-mb1	3y97045	op68149,g3y3746,49.8,,,2,1		ok	
7	op68149-bs1	3y97046	op68149,g3y3746,50.0,,,2,1		ok	
8	op68149-bsd	3y97047	op68149,g3y3746,49.8,,,2,1		ok	
9	op68149-mb2	3y97048	op68149,g3y3746,49.5,,,2,1		ok	
10	op68149-bs2	3y97049	op68149,g3y3746,49.3,,,2,1		ok	
11	op68149-bsd2	3y97050	op68149,g3y3746,49.4,,,2,1		ok	
12	op68121-mb1 m	3y97051	op68121,g3y3746,5.0,,,10,1		ok	
99	hex	3y97052	op68028,g3y3746,5.0,,,10,1		-	
3	cc3745-20	3y97053	op68028,g3y3746,5.0,,,10,1		ok	
1	ib	3y97054	op68028,g3y3746,5.0,,,10,1		ok	
13	op68121-bs1 m	3y97055	op68121,g3y3746,5.0,,,10,1		ok	
14	je20904-1 m	3y97056	op68121,g3y3746,5.0,,,10,1		ok	
15	op68121-ms m	3y97057	op68121,g3y3746,5.3,,,10,1		ok	
16	op68121-msd m	3y97058	op68121,g3y3746,5.1,,,10,1		ok	
18	je20904-2 m	3y97059	op68121,g3y3746,5.2,,,10,1		ok	
19	je20904-3 m	3y97060	op68121,g3y3746,5.1,,,10,1		ok	
20	je20904-4 m	3y97061	op68121,g3y3746,5.2,,,10,1		ok	
99	hex	3y97062	op68028,g3y3746,5.0,,,10,1		-	
99	hex	3y97063	op68028,g3y3746,5.0,,,10,1		-	
4	cc3745-40	3y97064	op68028,g3y3746,5.0,,,10,1		ok	
1	ib	3y97065	op68028,g3y3746,5.0,,,10,1		ok	
21	je20825-1	3y97066	op68149,g3y3746,50.0,,,2,1		ok	
22	je20825-2	3y97067	op68149,g3y3746,46.5,,,2,1		ok	
23	je20825-3	3y97068	op68149,g3y3746,45.6,,,2,1		ok	
24	je20825-5	3y97069	op68149,g3y3746,44.5,,,2,1		ok	
25	je20825-1a	3y97070	op68149,g3y3746,48.5,,,2,1		ok	
26	je20825-2a	3y97071	op68149,g3y3746,43.1,,,2,1		ok	
27	je20825-3a	3y97072	op68149,g3y3746,50.4,,,2,1		ok	
28	je20825-5a	3y97073	op68149,g3y3746,47.3,,,2,1		ok	
99	hex	3y97074	op68028,g3y3746,5.0,,,10,1		-	
3	cc3745-20	3y97075	op68028,g3y3746,5.0,,,10,1		ok	
1	ib	3y97076	op68028,g3y3746,5.0,,,10,1		ok	

SGS

SEMIVOLATILE by GC ANALYSIS LOG

Date: 10/13/25

Standard Data

Lot#	Description	Concentration
SV24-2992-133A	DRO Standard	20 ppm
SV24-2992-133B	DRO Standard	40 ppm
SV24-2992-47	RT Window	10 ppm
SV24-2992-45	DRO LVI IB	2 ppm
254902	dcm (Fisher)	-
I1416471524	hexane (Supelco)	-

Standard data

Lot#	Description	Concentration
SV24-2992-129	DRO Stock	5000 ppm
SV24-2992-130	DRO Stock (No Surrogate)	2000 ppm
SV24-2992-31	DRO 2nd Source	1000 ppm

Batch ID: G3z3740

Analyst Name: Claudia Baydar

Columns: MXT-5

Method: DRO LVI

Initial Cal. Method: DROLVI3z3716

Injection Volume: 25ul

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data file	OP Batch, Run ID, Vi,,,Vf, Dil.	SU	Status(data)	Comments
100	hex	3z96892	op68028,g3z3740,5.0,,,10,1		not using	
100	hex	3z96893	op68028,g3z3740,5.0,,,10,1		not using	
3	cc3716-20	3z96894	op68028,g3z3740,5.0,,,10,1		not using	
100	hex	3z96895	op68028,g3z3740,5.0,,,10,1		not using	
100	hex	3z96896	op68028,g3z3740,5.0,,,10,1		not using	
100	hex	3z96897	op68028,g3z3740,5.0,,,10,1		not using	
100	hex	3z96898	op68028,g3z3740,5.0,,,10,1		not using	
100	hex	3z96899	op68028,g3z3740,5.0,,,10,1		not using	
150	icv3740-40	3z96900	op68028,g3z3740,5.0,,,10,1		not using	icv must run last, rt needs to run before calibration
141	ic3740-1	3z96901	op68028,g3z3740,5.0,,,10,1		not using	
142	ic3740-2	3z96902	op68028,g3z3740,5.0,,,10,1		not using	
143	ic3740-4	3z96903	op68028,g3z3740,5.0,,,10,1		not using	
144	ic3740-10	3z96904	op68028,g3z3740,5.0,,,10,1		not using	
145	ic3740-20	3z96905	op68028,g3z3740,5.0,,,10,1		not using	
146	ic3740-40	3z96906	op68028,g3z3740,5.0,,,10,1		not using	
147	ic3740-100	3z96907	op68028,g3z3740,5.0,,,10,1		not using	
148	ic3740-200	3z96908	op68028,g3z3740,5.0,,,10,1		not using	
149	ic3740-400	3z96909	op68028,g3z3740,5.0,,,10,1		not using	
100	rinse	3z96910	op68028,g3z3740,5.0,,,10,1		not using	
100	rinse	3z96911	op68028,g3z3740,5.0,,,10,1		not using	
2	rt	3z96912	op68028,g3z3740,5.0,,,10,1		ok	
51	ib	3z96913	op68028,g3z3740,5.0,,,10,1		ok	
141	ic3740-1	3z96914	op68028,g3z3740,5.0,,,10,1		ok	
142	ic3740-2	3z96915	op68028,g3z3740,5.0,,,10,1		ok	
143	ic3740-4	3z96916	op68028,g3z3740,5.0,,,10,1		ok	
144	ic3740-10	3z96917	op68028,g3z3740,5.0,,,10,1		ok	
145	ic3740-20	3z96918	op68028,g3z3740,5.0,,,10,1		ok	
146	icc3740-40	3z96919	op68028,g3z3740,5.0,,,10,1		ok	
147	ic3740-100	3z96920	op68028,g3z3740,5.0,,,10,1		ok	
148	ic3740-200	3z96921	op68028,g3z3740,5.0,,,10,1		ok	
149	ic3740-400	3z96922	op68028,g3z3740,5.0,,,10,1		ok	
150	icv3740-40	3z96923	op68028,g3z3740,5.0,,,10,1		ok	

SGS

SEMIVOLATILE by GC ANALYSIS LOG

Date: 10/18/25

Standard Data

Lot#	Description	Concentration
SV24-2992-133A	DRO Standard	20 ppm
SV24-2992-133B	DRO Standard	40 ppm
SV24-2992-47	RT Window	10 ppm
SV24-2992-45	DRO LVI IB	2 ppm
254902	dcm (Fisher)	-
I1416471524	hexane (Supelco)	-

Standard data

Lot#	Description	Concentration
SV24-2992-129	DRO Stock	5000 ppm
SV24-2992-130	DRO Stock (No Surrogate)	2000 ppm
SV24-2992-31	DRO 2nd Source	1000 ppm

Batch ID: G3z3747

Analyst Name: Rebecca Krug

Columns: MXT-5

Method: DRO LVI

Initial Cal. Method: DROLVI3z3740

Injection Volume: 25ul

lca 10/21/25

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data file	OP Batch, Run ID, Vi,,,Vf, Dil.	SU	Status(data)	Comments
100	rinse	3z97077	op68101,g3z3747,49.6,,,2,1			
100	rinse	3z97078	op68101,g3z3747,49.6,,,2,1			
3	cc3740-20	3z97079	op68101,g3z3747,49.6,,,2,1			not used
3	cc3740-20	3z97080	op68101,g3z3747,49.6,,,2,1		ok	
51	ib	3z97081	op68101,g3z3747,49.6,,,2,1			
2	rt	3z97082	op68101,g3z3747,49.6,,,2,1		ok	
54	op68275-mb1 m	3z97083	op68275,g3z3747,5.0,,,10,1		ok	
55	op68275-bs1 m	3z97084	op68275,g3z3747,5.0,,,10,1		ok	
56	op68275-ms m	3z97085	op68275,g3z3747,5.5,,,10,1		ok	
57	op68275-msd m	3z97086	op68275,g3z3747,5.5,,,10,1		ok	
58	je20800-3 m	3z97087	op68275,g3z3747,5.5,,,10,1		ok	
59	je20805-2 m	3z97088	op68275,g3z3747,5.5,,,10,1		ok	
60	je20805-3 m	3z97089	op68275,g3z3747,5.3,,,10,1		ok	
100	rinse	3z97090	op68275,g3z3747,5.0,,,10,1			
4	cc3740-40	3z97091	op68275,g3z3747,5.0,,,10,1		ok	
51	ib	3z97092	op68275,g3z3747,5.0,,,10,1			
61	je20805-5 m	3z97093	op68275,g3z3747,5.5,,,10,1		ok	
62	je20805-7 m	3z97094	op68275,g3z3747,5.1,,,10,1		ok	
63	je20849-1 m	3z97095	op68275,g3z3747,5.2,,,10,1		ok	
64	je20849-2 m	3z97096	op68275,g3z3747,5.2,,,10,1		ok	
65	je20850-1 m	3z97097	op68275,g3z3747,5.5,,,10,1		ok	
66	je20850-2 m	3z97098	op68275,g3z3747,5.2,,,10,1		ok	
67	op68183-mb1 m	3z97099	op68183,g3z3747,5.0,,,10,1		ok	
68	op68183-bs1 m	3z97100	op68183,g3z3747,5.0,,,10,1		ok	
100	rinse	3z97101	op68183,g3z3747,5.0,,,10,1			
3	cc3740-20	3z97102	op68183,g3z3747,5.0,,,10,1		ok	
51	ib	3z97103	op68183,g3z3747,5.0,,,10,1			
69	op68183-ms m	3z97104	op68183,g3z3747,5.2,,,10,1		ok	
70	op68183-msd m	3z97105	op68183,g3z3747,5.2,,,10,1		ok	
71	je21108-1 m	3z97106	op68183,g3z3747,5.0,,,10,1		ok	
72	je21108-2 m	3z97107	op68183,g3z3747,5.2,,,10,1		ok	
73	je21108-3 m	3z97108	op68183,g3z3747,5.1,,,10,1		ok	
74	je21136-3 m	3z97109	op68183,g3z3747,5.2,,,10,1		ok	
75	je21136-4 m	3z97110	op68183,g3z3747,5.0,,,10,1		ok	
76	je21136-5 m	3z97111	op68183,g3z3747,5.3,,,10,1		ok	
100	rinse	3z97112	op68183,g3z3747,5.0,,,10,1			
4	cc3740-40	3z97113	op68183,g3z3747,5.0,,,10,1		ok	
51	ib	3z97114	op68183,g3z3747,5.0,,,10,1			
77	je21136-6 m	3z97115	op68183,g3z3747,5.0,,,10,1		ok	
78	je21136-7 m	3z97116	op68183,g3z3747,5.1,,,10,1		ok	
79	je21136-8 m	3z97117	op68183,g3z3747,5.4,,,10,1		ok	
80	je21136-9 m	3z97118	op68183,g3z3747,5.4,,,10,1		ok	
81	je21087-1 m	3z97119	op68183,g3z3747,5.1,,,10,1		ok	
82	je21087-3 m	3z97120	op68183,g3z3747,5.2,,,10,1		ok	
83	je21087-4 m	3z97121	op68183,g3z3747,5.4,,,10,1		ok	
84	je21087-5 m	3z97122	op68183,g3z3747,5.2,,,10,1		ok	
100	rinse	3z97123	op68183,g3z3747,5.0,,,10,1			
3	cc3740-20	3z97124	op68183,g3z3747,5.0,,,10,1		ok	
51	ib	3z97125	op68183,g3z3747,5.0,,,10,1			
85	je21087-6 m	3z97126	op68183,g3z3747,5.4,,,10,1		ok	
86	je21087-8 m	3z97127	op68183,g3z3747,5.2,,,10,1		ok	
87	je21087-9 m	3z97128	op68183,g3z3747,5.4,,,10,1		ok	
88	op68245-mb1 m	3z97129	op68245,g3z3747,5.0,,,10,1		ok	
89	op68245-bs1 m	3z97130	op68245,g3z3747,5.0,,,10,1		ok	
90	op68245-ms m	3z97131	op68245,g3z3747,5.2,,,10,1		ok	bad injection
91	op68245-msd m	3z97132	op68245,g3z3747,5.2,,,10,1		ok	bad injection
92	je21173-1 m	3z97133	op68245,g3z3747,5.1,,,10,1		ok	bad injection
100	rinse	3z97134	op68245,g3z3747,5.0,,,10,1			

SGS

SEMIVOLATILE by GC ANALYSIS LOG

Date: 10/18/25

Standard Data

Lot#	Description	Concentration
SV24-2992-133A	DRO Standard	20 ppm
SV24-2992-133B	DRO Standard	40 ppm
SV24-2992-47	RT Window	10 ppm
SV24-2992-45	DRO LVI IB	2 ppm
254902	dcm (Fisher)	-
I1416471524	hexane (Supelco)	-

Standard data

Lot#	Description	Concentration
SV24-2992-129	DRO Stock	5000 ppm
SV24-2992-130	DRO Stock (No Surrogate)	2000 ppm
SV24-2992-31	DRO 2nd Source	1000 ppm

Batch ID: G3z3747

Analyst Name: Rebecca Krug

Columns: MXT-5

Method: DRO LVI

Initial Cal. Method: DROLVI3z3740

Injection Volume: 25ul

lca 10/21/25

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data file	OP Batch, Run ID, Vi,,,Vf, Dil.	SU	Status(data)	Comments
4	cc3740-40	3z97135	op68245,g3z3747,5.0,,,10,1			flame out
100	rinse	3z97136	op68101,g3z3747,49.6,,,2,1			cleaned jet + restarted
100	rinse	3z97137	op68101,g3z3747,49.6,,,2,1			
3	cc3740-20	3z97138	op68101,g3z3747,49.6,,,2,1		ok	
3	cc3740-20	3z97139	op68101,g3z3747,49.6,,,2,1			missing df
51	ib	3z97140	op68101,g3z3747,49.6,,,2,1			
2	rt	3z97141	op68101,g3z3747,49.6,,,2,1		ok	
93	je21173-2 m	3z97143	op68245,g3z3747,5.1,,,10,1		ok	
94	je21173-3 m	3z97144	op68245,g3z3747,5.1,,,10,1		ok	
95	je21173-4 m	3z97145	op68245,g3z3747,5.2,,,10,1		ok	
96	je21173-5 m	3z97146	op68245,g3z3747,5.2,,,10,1		ok	
97	je21174-1 m	3z97147	op68245,g3z3747,5.2,,,10,1		ok	
98	je21174-2 m	3z97148	op68245,g3z3747,5.2,,,10,1		ok	
43	je21174-3 m	3z97149	op68245,g3z3747,5.0,,,10,1		ok	
100	rinse	3z97150	op68245,g3z3747,5.0,,,10,1		ok	
3	cc3740-20	3z97151	op68245,g3z3747,5.0,,,10,1			
51	ib	3z97152	op68245,g3z3747,5.0,,,10,1			
44	je21174-4 m	3z97153	op68245,g3z3747,5.2,,,10,1		ok	
45	je21174-5 m	3z97154	op68245,g3z3747,5.1,,,10,1		ok	
100	rinse	3z97155	op68245,g3z3747,5.0,,,10,1			
4	cc3740-40	3z97156	op68245,g3z3747,5.0,,,10,1		ok	
51	ib	3z97157	op68245,g3z3747,5.0,,,10,1			
85	je21087-6 m	3z97158	op68183,g3z3747,5.4,,,10,1		ok	
86	je21087-8 m	3z97159	op68183,g3z3747,5.2,,,10,1		ok	
87	je21087-9 m	3z97160	op68183,g3z3747,5.4,,,10,1		ok	
88	op68245-mb1 m	3z97161	op68245,g3z3747,5.0,,,10,1		ok	
89	op68245-bs1 m	3z97162	op68245,g3z3747,5.0,,,10,1		ok	
90	op68245-ms m	3z97163	op68245,g3z3747,5.2,,,10,1		ok	
91	op68245-msd m	3z97164	op68245,g3z3747,5.2,,,10,1		ok	
92	je21173-1 m	3z97165	op68245,g3z3747,5.1,,,10,1		ok	
100	rinse	3z97166	op68245,g3z3747,5.0,,,10,1			
4	cc3740-40	3z97167	op68245,g3z3747,5.0,,,10,1		ok	
51	ib	3z97168	op68245,g3z3747,5.0,,,10,1			
37	op68149-ms	3z97169	op68149,g3z3747,45.1,,,2,1		ok	
38	op68149-msd	3z97170	op68149,g3z3747,43.2,,,2,1		ok	
39	op68149-mb4	3z97171	op68149,g3z3747,51.0,,,2,1		ok	not in wgs- invalid sample in lims
40	op68149-bs4	3z97172	op68149,g3z3747,49.2,,,2,1		ok	not in wgs- invalid sample in lims
41	op68149-ms2	3z97173	op68149,g3z3747,45.3,,,2,1		ok	
42	op68149-msd2	3z97174	op68149,g3z3747,46.2,,,2,1		ok	not in wgs- invalid sample in lims
3	cc3740-20	3z97175	op68149,g3z3747,55.0,,,2,1		ok	
1	ib	3z97176	op68149,g3z3747,55.0,,,2,1			

3511 Extraction Log - Aqueous

Date Started: 10/14/25 Time Started: 19:00
Date Finished: 10/14/25 Time Finished: 20:40
Balance ID B-11X
Analytical Method: DRO
60ml Vial LOT# 047125-38LD

	Bottle#	Initial Weight, g	Final Weight, g	Sample Weight by Difference*	Surrogate Vol.(ul)	NaCl(g)	Spike Vol.(ul)	Centrifuge (5min) Start Time	Centrifuge (5min) Stop Time	Final Vol.(ml)	pH	Copper Cleanup	Comments
MB		87.9	37.1	49.8	50	7				2			
BS		87.4	37.4	50.0	50	7	100			2			
BSD		87.8	38.0	49.8	50	7	100			2			
~~MS~~													
~~MSD~~													
1 JE20887-1	8	87.6	38.0	49.6	50	7				2			X-unvial'd
2 JE20825-1	14	88.3	38.3	50.0	50	7				2			
3 -2	14	88.3	41.8	46.5	50	7				2			
4 -3	14	87.7	42.1	45.6	50	7				2			
5 -5	13	82.4	37.9	44.5	50	7				2			
6 JE20825-1A	14	89.9	41.4	48.5	50	7				2			Silica Gel Cleanup X
7 -2A	15	85.5	42.4	43.1	50	7				2			
8 -3A	15	89.2	38.8	50.4	50	7				2			
9 -5A	14	84.4	37.1	47.3	50	7				2			
10 MB2		87.6	38.1	489.5	50	7				2			
11 BS2		87.5	34.2	49.3	50	7				2			
12 BSD2		87.9	38.5	49.4	50	7				2			
13													
14													
15													
16													
17													
18													
19													
20													

QC Samples (MS, MSD, LINK and/or DUP, Link) Confirmed by:

*(initial weight)-(final weight)=Sample Wt. by diffrence

BATCH # GC	OP68149
RACK#	FID73
Set-up by:	SGC
Extracted by:	SGC
Final Vol. Top-up:	
Vialed by:	SGC
Vial Labels verified by :	
Supervisor Review:	ED 10-14-25

SURROGATE	LOT #	CONC (ppb)	AMT (mL)
DRO	5024-29482-70	100	50

WITNESS SIGN: SGC SPIKE SIGN: ED

MATRIX SPIKE	LOT #	CONC	AMT (mL)
DRO	5024-29482-49	1000	100

WITNESS SIGN: SGC SPIKE SIGN: ED

SOLVENT	LOT #	BRAND	AMT (mL)
METH CHLOR			
HEXANE	114G471524	Supelco	2

REAGENT	LOT #	BAKE BATCH #	BRAND
Sodium Chloride	242981	6/21/25	Fisher
Filter Paper			
Chlorine Strips			
VIAL LOT#	24122085		Thermo
Copper Cleanup			
Silica Gel	A0434391		Fisher

SGS Form: OP065-04
Rev.Date:6/13/2025

3511 Extraction Log - Aqueous

Date Started: 10/16/25 Time Started: 21:40
Date Finished: 10/16/25 Time Finished: 23:00
Balance ID B-11 Analytical Method: DRO
60ml Vial LOT# 047126-38LD

	Bottle#	Initial Weight, g	Final Weight, g	Sample Weight by Difference*	Surrogate Vol.(ul)	NaCl(g)	Spike Vol.(ul)	Centrifuge (5min) Start Time	Centrifuge (5min) Stop Time	Final Vol.(ml)	pH	Copper Cleanup	Comments
MB2		88.6	37.7		50	7				2			
BS2		88.7	37.7		50	7	100			2			
~~BSD~~													
MS JE20825-1	36	87.2	42.1		50	7	100			2			
MSD	39	85.3	42.1		50	7	100			2			
1 MB4		89.2	38.2		50	7				2			Silica Gel Clean up!
2 BS4		88.4	38.3		50	7	1000			2			
3 JE20825-1A MS2	40	88.2	42.9		50	7	100			2			
4 MSD2	37	89.1	42.4		50	7	100			2			
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													

QC Samples (MS, MSD, LINK and/or DUP, Link) Confirmed by:

*(initial weight)-(final weight)=Sample Wt. by diffrence

BATCH # GC OP68149-2	RACK# FID 3B
Set-up by:	SGL
Extracted by:	SGL
Final Vol. Top-up:	
Vialed by:	SGL
Vial Labels verified by:	

Supervisor Review: NT 10/17/2025

SURROGATE	LOT #	CONC (ppb)	AMT (mL)
DRO	SQ24-2902-76	100	50

WITNESS SIGN: SGL SPIKE SIGN: BD

MATRIX SPIKE	LOT #	CONC	AMT (mL)
DRO	SQ24-2902-49	1000	100

WITNESS SIGN: SGL SPIKE SIGN: BD

SOLVENT	LOT #	BRAND	AMT (mL)
METH CHLOR			
HEXANE	114647152A	Supelco	2

REAGENT	LOT #	BAKE BATCH #	BRAND
Sodium Chloride	242981	9/10/25	FisherSci
Filter Paper			
Chlorine Strips			
VIAL LOT#	24172085		Thermo
Copper Cleanup			
Silica Gel	A0434391		Fisher

SGS Form: OP06S-04
Rev.Date:6/13/2025

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries
- IDL and Linear Range Summaries

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD101525M1.ICP Date Analyzed: 10/15/25 Methods: EPA 200.7, SW846 6010D
Analyst: LM Run ID: MA59558
Parameters: Fe,Mn

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:59	MA59558-STD1	1		STDA
10:04	MA59558-STD2	1		STDB
10:10	ZZZZZZ	1		
10:20	MA59558-ICV1	1		
10:28	MA59558-ICB1	1		
10:33	MA59558-ICCV1	1		
10:44	MA59558-CCB1	1		
10:48	MA59558-CRI1	1		
10:53	MA59558-CRID1	1		
10:58	MA59558-ICSA1	1		
11:03	MA59558-ICSAB1	1		
11:09	MA59558-HSTD1	1		
11:15	MA59558-HSTD2	1		
11:20	MA59558-CCV1	1		
11:25	MA59558-CCB2	1		
11:30	MA59558-CRI2	1		
11:35	MP56990-MB2	1		CCB out
11:40	ZZZZZZ	1		
11:45	ZZZZZZ	1		
11:50	MA59558-CCV2	1		
11:56	MA59558-CCB3	1		
12:01	MP57936-MB1	1		
12:06	MP57936-B1	1		
12:11	MP57936-S1	1		
12:16	MP57936-S2	1		
12:22	JE20519-1	1		(sample used for QC only; not part of login JE20825)
12:27	MP57936-SD1	5		
12:32	ZZZZZZ	1		
12:37	MA59558-CCV3	1		
12:43	MA59558-CCB4	1		
12:48	ZZZZZZ	1		
12:53	ZZZZZZ	1		
12:58	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD101525M1.ICP Date Analyzed: 10/15/25 Methods: EPA 200.7, SW846 6010D
Analyst: LM Run ID: MA59558
Parameters: Fe,Mn

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:03	ZZZZZZ	1		
13:07	ZZZZZZ	1		
13:12	ZZZZZZ	1		
13:17	ZZZZZZ	1		
13:23	ZZZZZZ	2		
13:28	MA59558-CCV4	1		
13:33	MA59558-CCB5	1		
13:38	MA59558-CRI3	1		
13:43	MA59558-ICSA2	1		
13:48	MA59558-ICSAB2	1		
13:54	MA59558-CCV5	1		
13:59	MA59558-CCB6	1		
14:04	ZZZZZZ	1		
14:09	ZZZZZZ	1		
14:14	ZZZZZZ	1		
14:19	ZZZZZZ	1		
14:24	ZZZZZZ	1		
14:30	ZZZZZZ	1		
14:35	ZZZZZZ	1		
14:40	ZZZZZZ	1		
14:45	ZZZZZZ	1		
14:50	ZZZZZZ	1		
14:55	MA59558-CCV6	1		
15:00	MA59558-CCB7	1		
15:06	ZZZZZZ	1		
15:10	MP57971-MB1	1		
15:15	MP57971-B1	1		
15:21	MP57971-S1	1		
15:26	MP57971-S2	1		
15:32	JE20964-1	1		(sample used for QC only; not part of login JE20825)
15:37	MP57971-SD1	5		
15:42	ZZZZZZ	1		
15:47	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD101525M1.ICP Date Analyzed: 10/15/25 Methods: EPA 200.7, SW846 6010D
Analyst: LM Run ID: MA59558
Parameters: Fe,Mn

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:52	MA59558-CCV7	1		
15:57	MA59558-CCB8	1		
16:02	MP57939-MB1	1		
16:07	MP57939-S1	5		
16:12	MP57939-S2	5		
16:17	JE20877-1	5		(sample used for QC only; not part of login JE20825)
16:22	MP57939-SD1	25		
16:27	MA59558-CCV8	1		
16:32	MA59558-CCB9	1		
16:37	MP57934-S1	5		
16:42	MP57934-S2	5		
16:47	JE20850-1	5		(sample used for QC only; not part of login JE20825)
16:52	MP57934-SD1	25		
16:57	MP57934-PS1	5		
17:02	ZZZZZZ	2		
17:07	ZZZZZZ	5		
17:12	ZZZZZZ	10		
17:17	ZZZZZZ	50		
17:22	MA59558-CCV9	1		
17:27	MA59558-CCB10	1		
17:32	ZZZZZZ	1		
17:37	ZZZZZZ	1		
17:42	ZZZZZZ	1		
17:48	ZZZZZZ	1		
17:53	ZZZZZZ	1		
17:58	ZZZZZZ	1		
18:03	ZZZZZZ	1		
18:07	MA59558-CCV10	1		
18:13	MA59558-CCB11	1		
18:18	MP57944-MB1	1		
18:23	MP57944-B1	1		
18:28	MP57944-S1	1		
18:33	MP57944-S2	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD101525M1.ICP Date Analyzed: 10/15/25 Methods: EPA 200.7, SW846 6010D
Analyst: LM Run ID: MA59558
Parameters: Fe,Mn

Time	Sample Description	Dilution Factor	PS Recov	Comments
18:38	JE20847-4	1		(sample used for QC only; not part of login JE20825)
18:43	MP57944-SD1	5		
18:48	ZZZZZZ	1		
18:53	MA59558-CCV11	1		
18:59	MA59558-CCB12	1		
19:04	ZZZZZZ	1		
19:09	ZZZZZZ	1		
19:14	JE20825-1	1		
19:19	JE20825-3	1		
19:24	JE20825-5	1		
---------->	Last reportable sample/prep for job JE20825			
19:29	ZZZZZZ	1		
19:35	ZZZZZZ	1		
19:40	ZZZZZZ	1		
19:45	MA59558-CCV12	1		
19:50	MA59558-CCB13	1		
---------->	Last reportable CCB for job JE20825			
19:55	ZZZZZZ	1		
20:01	ZZZZZZ	1		
20:06	ZZZZZZ	1		
20:11	ZZZZZZ	1		
20:16	ZZZZZZ	1		
20:21	ZZZZZZ	1		
20:26	ZZZZZZ	1		
20:31	ZZZZZZ	1		
20:36	MA59558-CCV13	1		
20:42	MA59558-CCB14	1		
20:47	MP57967-MB1	1		
20:52	MP57967-B1	1		
20:57	MP57967-S1	1		
21:02	MP57967-S2	1		
21:08	JE19113-11R	1		(sample used for QC only; not part of login JE20825)
21:13	MP57967-SD1	5		
21:18	MP57967-PS1	1		
21:24	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD101525M1.ICP Date Analyzed: 10/15/25 Methods: EPA 200.7, SW846 6010D
Analyst: LM Run ID: MA59558
Parameters: Fe,Mn

Time	Sample Description	Dilution Factor	PS Recov	Comments
21:29	MA59558-CCV14	1		
21:34	MA59558-CCB15	1		
21:39	ZZZZZZ	1		
21:45	ZZZZZZ	1		
21:50	ZZZZZZ	1		
21:55	ZZZZZZ	1		
22:00	ZZZZZZ	1		
22:05	ZZZZZZ	1		
22:11	ZZZZZZ	1		
22:16	ZZZZZZ	1		
22:21	ZZZZZZ	1		
22:26	MA59558-CCV15	1		
22:31	MA59558-CCB16	1		
22:36	ZZZZZZ	1		
22:41	ZZZZZZ	1		
22:47	ZZZZZZ	1		
22:52	ZZZZZZ	1		
22:57	ZZZZZZ	1		
23:02	ZZZZZZ	1		
23:07	ZZZZZZ	1		
23:12	ZZZZZZ	1		
23:17	ZZZZZZ	1		
23:22	MA59558-CCV16	1		
23:28	MA59558-CCB17	1		
23:33	MP57963-MB1	1		
23:38	MP57963-B1	1		
23:43	MP57963-B2	1		
23:48	MP57963-S1	1		
23:54	MP57963-S2	1		
23:59	JE20975-2	1		(sample used for QC only; not part of login JE20825)
00:04	MP57963-SD1	5		
00:09	ZZZZZZ	1		
00:15	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD101525M1.ICP Date Analyzed: 10/15/25 Methods: EPA 200.7, SW846 6010D
Analyst: LM Run ID: MA59558
Parameters: Fe,Mn

Time	Sample Description	Dilution Factor	PS Recov	Comments
00:20	MA59558-CCV17	1		
00:25	MA59558-CCB18	1		
00:30	ZZZZZZ	1		
00:35	ZZZZZZ	1		
00:41	ZZZZZZ	1		
00:46	ZZZZZZ	1		
00:51	ZZZZZZ	1		
00:56	ZZZZZZ	1		
01:01	ZZZZZZ	1		
01:07	ZZZZZZ	1		
01:12	ZZZZZZ	1		
01:17	ZZZZZZ	1		
01:22	MA59558-CCV18	1		
01:27	MA59558-CCB19	1		
01:32	ZZZZZZ	1		
01:37	ZZZZZZ	1		
01:42	ZZZZZZ	1		
01:47	ZZZZZZ	1		
01:52	ZZZZZZ	1		
01:57	ZZZZZZ	1		
02:02	ZZZZZZ	1		
02:07	ZZZZZZ	1		
02:13	ZZZZZZ	1		
02:18	MA59558-CCV19	1		
02:23	MA59558-CCB20	1		
02:28	MP57983-MB1	1		
02:33	MP57983-LB1	1		
02:38	MP57983-B1	1		
02:44	MP57983-LS1	1		
02:49	MP57983-S1	1		
02:54	MP57983-S2	1		
03:00	JE20589-9A	1		(sample used for QC only; not part of login JE20825)
03:05	MP57983-SD1	5		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD101525M1.ICP Date Analyzed: 10/15/25 Methods: EPA 200.7, SW846 6010D
Analyst: LM Run ID: MA59558
Parameters: Fe,Mn

Time	Sample Description	Dilution Factor	PS Recov	Comments
03:10	ZZZZZZ	1		
03:15	MA59558-CCV20	1		
03:20	MA59558-CCB21	1		
03:26	ZZZZZZ	1		
03:31	ZZZZZZ	1		
03:36	ZZZZZZ	1		
03:41	ZZZZZZ	1		
03:46	ZZZZZZ	1		
03:51	ZZZZZZ	1		
03:56	ZZZZZZ	1		
04:01	ZZZZZZ	1		
04:07	ZZZZZZ	1		
04:12	ZZZZZZ	1		
04:17	MA59558-CCV21	1		
04:22	MA59558-CCB22	1		

Refer to raw data for calibration curve and standards.

REPORTED ELEMENTS SUMMARY

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD101525M1.ICP Date Analyzed: 10/15/25 Methods: EPA 200.7, SW846 6010D
Analyst: LM Run ID: MA59558
Parameters: Fe,Mn

Time	Sample Description	Element: Dilution	Fe	Mn	
10:10	ZZZZZZ	1			
10:20	MA59558-ICV1	1	X	X	
10:28	MA59558-ICB1	1	X	X	
10:33	MA59558-ICCV1	1	X	X	
10:44	MA59558-CCB1	1	X	X	
10:48	MA59558-CRI1	1			
10:53	MA59558-CRID1	1	X	X	
10:58	MA59558-ICSA1	1	X	X	
11:03	MA59558-ICSAB1	1	X	X	
11:09	MA59558-HSTD1	1	X	X	
11:15	MA59558-HSTD2	1	X	X	
11:20	MA59558-CCV1	1	X	X	
11:25	MA59558-CCB2	1	X	X	
11:30	MA59558-CRI2	1	X	X	
11:35	MP56990-MB2	1	X	X	
11:40	ZZZZZZ	1			
11:45	ZZZZZZ	1			
11:50	MA59558-CCV2	1	X	X	
11:56	MA59558-CCB3	1	X	X	
12:01	MP57936-MB1	1	X	X	
12:06	MP57936-B1	1	X	X	
12:11	MP57936-S1	1	X	X	
12:16	MP57936-S2	1	X	X	
12:22	JE20519-1	1	X	X	(a)
12:27	MP57936-SD1	5	X	X	
12:32	ZZZZZZ	1			
12:37	MA59558-CCV3	1	X	X	
12:43	MA59558-CCB4	1	X	X	
12:48	ZZZZZZ	1			
12:53	ZZZZZZ	1			
12:58	ZZZZZZ	1			
13:03	ZZZZZZ	1			
13:07	ZZZZZZ	1			
		Element:	Fe	Mn	

REPORTED ELEMENTS SUMMARY

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD101525M1.ICP Date Analyzed: 10/15/25 Methods: EPA 200.7, SW846 6010D
Analyst: LM Run ID: MA59558
Parameters: Fe,Mn

Time	Sample Description	Element: Dilution	Fe	Mn	
13:12	ZZZZZZ	1			
13:17	ZZZZZZ	1			
13:23	ZZZZZZ	2			
13:28	MA59558-CCV4	1	X	X	
13:33	MA59558-CCB5	1	X	X	
13:38	MA59558-CRI3	1	X	X	
13:43	MA59558-ICSA2	1	X	X	
13:48	MA59558-ICSAB2	1	X	X	
13:54	MA59558-CCV5	1	X	X	
13:59	MA59558-CCB6	1	X	X	
14:04	ZZZZZZ	1			
14:09	ZZZZZZ	1			
14:14	ZZZZZZ	1			
14:19	ZZZZZZ	1			
14:24	ZZZZZZ	1			
14:30	ZZZZZZ	1			
14:35	ZZZZZZ	1			
14:40	ZZZZZZ	1			
14:45	ZZZZZZ	1			
14:50	ZZZZZZ	1			
14:55	MA59558-CCV6	1	X	X	
15:00	MA59558-CCB7	1	X	X	
15:06	ZZZZZZ	1			
15:10	MP57971-MB1	1	X	X	
15:15	MP57971-B1	1	X	X	
15:21	MP57971-S1	1	X	X	
15:26	MP57971-S2	1	X	X	
15:32	JE20964-1	1	X		(a)
15:37	MP57971-SD1	5	X	X	
15:42	ZZZZZZ	1			
15:47	ZZZZZZ	1			
15:52	MA59558-CCV7	1	X	X	
15:57	MA59558-CCB8	1	X	X	
		Element:	Fe	Mn	

REPORTED ELEMENTS SUMMARY

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD101525M1.ICP Date Analyzed: 10/15/25 Methods: EPA 200.7, SW846 6010D
Analyst: LM Run ID: MA59558
Parameters: Fe,Mn

Time	Sample Description	Dilution	Element: Fe	Mn	
16:02	MP57939-MB1	1			
16:07	MP57939-S1	5	X		
16:12	MP57939-S2	5	X		
16:17	JE20877-1	5	X		(a)
16:22	MP57939-SD1	25	X		
16:27	MA59558-CCV8	1	X	X	
16:32	MA59558-CCB9	1	X	X	
16:37	MP57934-S1	5			
16:42	MP57934-S2	5			
16:47	JE20850-1	5			(a)
16:52	MP57934-SD1	25			
16:57	MP57934-PS1	5			
17:02	ZZZZZZ	2			
17:07	ZZZZZZ	5			
17:12	ZZZZZZ	10			
17:17	ZZZZZZ	50			
17:22	MA59558-CCV9	1	X	X	
17:27	MA59558-CCB10	1	X	X	
17:32	ZZZZZZ	1			
17:37	ZZZZZZ	1			
17:42	ZZZZZZ	1			
17:48	ZZZZZZ	1			
17:53	ZZZZZZ	1			
17:58	ZZZZZZ	1			
18:03	ZZZZZZ	1			
18:07	MA59558-CCV10	1	X	X	
18:13	MA59558-CCB11	1	X	X	
18:18	MP57944-MB1	1	X	X	
18:23	MP57944-B1	1	X	X	
18:28	MP57944-S1	1	X	X	
18:33	MP57944-S2	1	X	X	
18:38	JE20847-4	1	X	X	(a)
18:43	MP57944-SD1	5	X	X	
		Element:	Fe	Mn	

REPORTED ELEMENTS SUMMARY

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD101525M1.ICP Date Analyzed: 10/15/25 Methods: EPA 200.7, SW846 6010D
Analyst: LM Run ID: MA59558
Parameters: Fe,Mn

Time	Sample Description	Element: Dilution	Fe	Mn	
18:48	ZZZZZZ	1			
18:53	MA59558-CCV11	1	X	X	
18:59	MA59558-CCB12	1	X	X	
19:04	ZZZZZZ	1			
19:09	ZZZZZZ	1			
19:14	JE20825-1	1	X	X	
19:19	JE20825-3	1	X	X	
19:24	JE20825-5	1	X	X	
19:29	ZZZZZZ	1			
19:35	ZZZZZZ	1			
19:40	ZZZZZZ	1			
19:45	MA59558-CCV12	1	X	X	
19:50	MA59558-CCB13	1	X	X	
19:55	ZZZZZZ	1			
20:01	ZZZZZZ	1			
20:06	ZZZZZZ	1			
20:11	ZZZZZZ	1			
20:16	ZZZZZZ	1			
20:21	ZZZZZZ	1			
20:26	ZZZZZZ	1			
20:31	ZZZZZZ	1			
20:36	MA59558-CCV13	1	X	X	
20:42	MA59558-CCB14	1	X	X	
20:47	MP57967-MB1	1			
20:52	MP57967-B1	1			
20:57	MP57967-S1	1			
21:02	MP57967-S2	1			
21:08	JE19113-11R	1			(a)
21:13	MP57967-SD1	5			
21:18	MP57967-PS1	1			
21:24	ZZZZZZ	1			
21:29	MA59558-CCV14	1	X	X	
21:34	MA59558-CCB15	1	X	X	
		Element:	Fe	Mn	

REPORTED ELEMENTS SUMMARY

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD101525M1.ICP Date Analyzed: 10/15/25 Methods: EPA 200.7, SW846 6010D
Analyst: LM Run ID: MA59558
Parameters: Fe,Mn

Time	Sample Description	Element: Dilution	Fe	Mn	
21:39	ZZZZZZ	1			
21:45	ZZZZZZ	1			
21:50	ZZZZZZ	1			
21:55	ZZZZZZ	1			
22:00	ZZZZZZ	1			
22:05	ZZZZZZ	1			
22:11	ZZZZZZ	1			
22:16	ZZZZZZ	1			
22:21	ZZZZZZ	1			
22:26	MA59558-CCV15	1	X	X	
22:31	MA59558-CCB16	1	X	X	
22:36	ZZZZZZ	1			
22:41	ZZZZZZ	1			
22:47	ZZZZZZ	1			
22:52	ZZZZZZ	1			
22:57	ZZZZZZ	1			
23:02	ZZZZZZ	1			
23:07	ZZZZZZ	1			
23:12	ZZZZZZ	1			
23:17	ZZZZZZ	1			
23:22	MA59558-CCV16	1	X	X	
23:28	MA59558-CCB17	1	X	X	
23:33	MP57963-MB1	1		X	
23:38	MP57963-B1	1		X	
23:43	MP57963-B2	1		X	
23:48	MP57963-S1	1		X	
23:54	MP57963-S2	1		X	
23:59	JE20975-2	1		X	(a)
00:04	MP57963-SD1	5		X	
00:09	ZZZZZZ	1			
00:15	ZZZZZZ	1			
00:20	MA59558-CCV17	1	X	X	
00:25	MA59558-CCB18	1	X	X	
		Element:	Fe	Mn	

REPORTED ELEMENTS SUMMARY

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD101525M1.ICP Date Analyzed: 10/15/25 Methods: EPA 200.7, SW846 6010D
Analyst: LM Run ID: MA59558
Parameters: Fe,Mn

Time	Sample Description	Element: Dilution	Fe	Mn	
00:30	ZZZZZZ	1			
00:35	ZZZZZZ	1			
00:41	ZZZZZZ	1			
00:46	ZZZZZZ	1			
00:51	ZZZZZZ	1			
00:56	ZZZZZZ	1			
01:01	ZZZZZZ	1			
01:07	ZZZZZZ	1			
01:12	ZZZZZZ	1			
01:17	ZZZZZZ	1			
01:22	MA59558-CCV18	1	X	X	
01:27	MA59558-CCB19	1	X	X	
01:32	ZZZZZZ	1			
01:37	ZZZZZZ	1			
01:42	ZZZZZZ	1			
01:47	ZZZZZZ	1			
01:52	ZZZZZZ	1			
01:57	ZZZZZZ	1			
02:02	ZZZZZZ	1			
02:07	ZZZZZZ	1			
02:13	ZZZZZZ	1			
02:18	MA59558-CCV19	1	X	X	
02:23	MA59558-CCB20	1	X	X	
02:28	MP57983-MB1	1			
02:33	MP57983-LB1	1			
02:38	MP57983-B1	1			
02:44	MP57983-LS1	1			
02:49	MP57983-S1	1			
02:54	MP57983-S2	1			
03:00	JE20589-9A	1			(a)
03:05	MP57983-SD1	5			
03:10	ZZZZZZ	1			
03:15	MA59558-CCV20	1	X	X	
		Element:	Fe	Mn	

REPORTED ELEMENTS SUMMARY

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD101525M1.ICP Date Analyzed: 10/15/25 Methods: EPA 200.7, SW846 6010D
Analyst: LM Run ID: MA59558
Parameters: Fe,Mn

Time	Sample Description	Element: Dilution	F e	M n
03:20	MA59558-CCB21	1	X	X
03:26	ZZZZZZ	1		
03:31	ZZZZZZ	1		
03:36	ZZZZZZ	1		
03:41	ZZZZZZ	1		
03:46	ZZZZZZ	1		
03:51	ZZZZZZ	1		
03:56	ZZZZZZ	1		
04:01	ZZZZZZ	1		
04:07	ZZZZZZ	1		
04:12	ZZZZZZ	1		
04:17	MA59558-CCV21	1	X	X
04:22	MA59558-CCB22	1	X	X

(a) Sample used for QC only; not part of login JE20825.

Element:	F e	M n

INTERNAL STANDARD SUMMARY

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD101525M1.ICP Date Analyzed: 10/15/25 Methods: EPA 200.7, SW846 6010D
Analyst: LM Run ID: MA59558
Parameters: Fe,Mn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
09:59	MA59558-STD1	10481 R	254440 R	38132 R	21404 R
10:04	MA59558-STD2	9931	235530	37446	19277
10:10	ZZZZZZ	10188	243270	38041	19933
10:20	MA59558-ICV1	10165	245000	37931	19892
10:28	MA59558-ICB1	10463	250270	38393	21390
10:33	MA59558-ICCV1	10138	243020	37932	19892
10:44	MA59558-CCB1	10441	253850	38516	21401
10:48	MA59558-CRI1	No results reported for the elements associated with this internal standard.			
10:53	MA59558-CRID1	10453	251580	38199	21447
10:58	MA59558-ICSA1	9398	218010	37024	18115
11:03	MA59558-ICSAB1	9432	215590	36833	18169
11:09	MA59558-HSTD1	10274	247820	38654	21094
11:15	MA59558-HSTD2	9495	222260	36762	18165
11:20	MA59558-CCV1	10161	242080	37982	19950
11:25	MA59558-CCB2	10437	253430	38293	21371
11:30	MA59558-CRI2	10362	251470	38138	21074
11:35	MP56990-MB2	10551	251700	39141	21705
11:40	ZZZZZZ	10465	253310	38936	21130
11:45	ZZZZZZ	10492	255340	39168	21319
11:50	MA59558-CCV2	10190	242650	38179	19859
11:56	MA59558-CCB3	10498	254280	38428	21306
12:01	MP57936-MB1	10469	255080	38411	21208
12:06	MP57936-B1	10307	249330	38204	20263
12:11	MP57936-S1	10227	242940	39021	19191
12:16	MP57936-S2	10211	242460	38941	19241
12:22	JE20519-1	10409	247420	39168	19623
12:27	MP57936-SD1	10514	254910	39364	20955
12:32	ZZZZZZ	9802	233130	37561	18903
12:37	MA59558-CCV3	10135	240140	37900	20038
12:43	MA59558-CCB4	10444	251180	38312	21518
12:48	ZZZZZZ	10130	243900	38344	20355
12:53	ZZZZZZ	10221	242570	38683	20489
12:58	ZZZZZZ	10179	244490	38421	20322

INTERNAL STANDARD SUMMARY

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD101525M1.ICP Date Analyzed: 10/15/25 Methods: EPA 200.7, SW846 6010D
Analyst: LM Run ID: MA59558
Parameters: Fe,Mn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
13:03	ZZZZZZ	10206	246040	37936	20304
13:07	ZZZZZZ	10408	253200	38216	21102
13:12	ZZZZZZ	10365	253910	38504	21087
13:17	ZZZZZZ	9714	227640	37871	17891
13:23	ZZZZZZ	9923	239740	37571	19524
13:28	MA59558-CCV4	10095	242130	37765	19942
13:33	MA59558-CCB5	10397	248800	38167	21492
13:38	MA59558-CRI3	10305	246370	37925	21177
13:43	MA59558-ICSA2	9386	214330	36492	18209
13:48	MA59558-ICSAB2	9375	215770	36809	18224
13:54	MA59558-CCV5	10108	241650	37682	20037
13:59	MA59558-CCB6	10402	251990	38401	21443
14:04	ZZZZZZ	9753	232510	37119	19054
14:09	ZZZZZZ	10324	248290	37948	21369
14:14	ZZZZZZ	10658	234700	39048	19834
14:19	ZZZZZZ	9707	232460	36972	19158
14:24	ZZZZZZ	10380	254220	37993	21280
14:30	ZZZZZZ	10145	251450	38310	21395
14:35	ZZZZZZ	10423	249930	38153	21486
14:40	ZZZZZZ	10392	249540	38157	21477
14:45	ZZZZZZ	10468	249210	38310	21621
14:50	ZZZZZZ	10423	249950	38207	21583
14:55	MA59558-CCV6	10139	238130	37830	19993
15:00	MA59558-CCB7	10428	256340	38111	21357
15:06	ZZZZZZ	10361	254740	37875	20995
15:10	MP57971-MB1	10485	256420	38370	21638
15:15	MP57971-B1	10211	244020	38341	20358
15:21	MP57971-S1	9705	233590	37939	18619
15:26	MP57971-S2	9683	231350	37417	18567
15:32	JE20964-1	9655	233120	37668	18818
15:37	MP57971-SD1	10157	243690	38795	20428
15:42	ZZZZZZ	10277	247610	38735	21071
15:47	ZZZZZZ	10152	241360	38392	20631

INTERNAL STANDARD SUMMARY

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD101525M1.ICP Date Analyzed: 10/15/25 Methods: EPA 200.7, SW846 6010D
Analyst: LM Run ID: MA59558
Parameters: Fe,Mn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
15:52	MA59558-CCV7	10067	239160	37752	19933
15:57	MA59558-CCB8	10426	254910	38098	21378
16:02	MP57939-MB1	10443	259160	38602	21356
16:07	MP57939-S1	10176	244480	38332	19754
16:12	MP57939-S2	10144	245580	38343	19770
16:17	JE20877-1	10178	242970	38366	19991
16:22	MP57939-SD1	10396	252800	38698	21037
16:27	MA59558-CCV8	10086	241270	37878	20051
16:32	MA59558-CCB9	10346	246740	38249	21521
16:37	MP57934-S1	10418	247360	38585	20922
16:42	MP57934-S2	10435	246310	38710	20931
16:47	JE20850-1	10478	251860	38679	21030
16:52	MP57934-SD1	10396	255420	37722	21169
16:57	MP57934-PS1	10445	255180	38514	20816
17:02	ZZZZZZ	10455	254230	38845	20880
17:07	ZZZZZZ	10379	251120	38440	21229
17:12	ZZZZZZ	10484	253700	38902	21309
17:17	ZZZZZZ	10262	241560	37900	20891
17:22	MA59558-CCV9	10106	239280	37752	20114
17:27	MA59558-CCB10	10420	250660	37896	21587
17:32	ZZZZZZ	10461	253310	38421	21563
17:37	ZZZZZZ	9707	223660	38019	17877
17:42	ZZZZZZ	9869	231650	37596	19159
17:48	ZZZZZZ	10445	251510	38134	21230
17:53	ZZZZZZ	10401	251190	38186	21137
17:58	ZZZZZZ	10452	253420	38251	21241
18:03	ZZZZZZ	10455	248510	38991	20675
18:07	MA59558-CCV10	10151	244790	37820	19875
18:13	MA59558-CCB11	10458	252180	38221	21368
18:18	MP57944-MB1	10495	255440	38714	21417
18:23	MP57944-B1	10251	246720	38273	20280
18:28	MP57944-S1	10060	239340	37727	19664
18:33	MP57944-S2	10088	241330	38337	19705

INTERNAL STANDARD SUMMARY

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD101525M1.ICP Date Analyzed: 10/15/25 Methods: EPA 200.7, SW846 6010D
Analyst: LM Run ID: MA59558
Parameters: Fe,Mn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
18:38	JE20847-4	10174	243510	38046	19956
18:43	MP57944-SD1	10353	249540	38140	20905
18:48	ZZZZZZ	10200	245420	38301	20286
18:53	MA59558-CCV11	10204	242730	37818	19946
18:59	MA59558-CCB12	10500	254740	38185	21442
19:04	ZZZZZZ	10352	249630	38302	20909
19:09	ZZZZZZ	10204	243720	37898	20228
19:14	JE20825-1	9769	230600	37334	18894
19:19	JE20825-3	9819	233060	37555	19017
19:24	JE20825-5	9778	235930	37085	19252
19:29	ZZZZZZ	9593	223510	36872	18632
19:35	ZZZZZZ	10166	241770	37711	20059
19:40	ZZZZZZ	9577	225040	36736	18628
19:45	MA59558-CCV12	10199	240470	37250	20073
19:50	MA59558-CCB13	10504	253960	38022	21578
19:55	ZZZZZZ	9581	222570	36804	18678
20:01	ZZZZZZ	10148	238610	37484	20111
20:06	ZZZZZZ	10143	239200	37576	20082
20:11	ZZZZZZ	9598	221880	36638	18703
20:16	ZZZZZZ	10042	237110	37521	20015
20:21	ZZZZZZ	No results reported for the elements associated with this internal standard.			
20:26	ZZZZZZ	10315	247940	38137	20776
20:31	ZZZZZZ	10385	246430	37948	21035
20:36	MA59558-CCV13	10186	242610	37164	20112
20:42	MA59558-CCB14	10455	249950	37657	21560
20:47	MP57967-MB1	10499	252720	38005	21627
20:52	MP57967-B1	10227	242820	37565	20477
20:57	MP57967-S1	10211	240650	37992	20185
21:02	MP57967-S2	10204	239420	37980	20071
21:08	JE19113-11R	10423	244900	38297	20715
21:13	MP57967-SD1	10515	250450	37937	21201
21:18	MP57967-PS1	10235	243640	37810	20267
21:24	ZZZZZZ	10504	250210	38369	20917

INTERNAL STANDARD SUMMARY

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD101525M1.ICP Date Analyzed: 10/15/25 Methods: EPA 200.7, SW846 6010D
Analyst: LM Run ID: MA59558
Parameters: Fe,Mn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
21:29	MA59558-CCV14	10182	239970	37027	20145
21:34	MA59558-CCB15	10492	252560	37697	21675
21:39	ZZZZZZ	10463	245520	38246	21036
21:45	ZZZZZZ	10642	251330	38725	20980
21:50	ZZZZZZ	10773	251360	39644	20469
21:55	ZZZZZZ	10537	252330	38103	21647
22:00	ZZZZZZ	10608	251730	38610	20797
22:05	ZZZZZZ	10323	243750	37780	20741
22:11	ZZZZZZ	11005	257760	40425	21008
22:16	ZZZZZZ	11000	256930	40628	20663
22:21	ZZZZZZ	11833	279130	43297	21012
22:26	MA59558-CCV15	10160	238270	37353	20135
22:31	MA59558-CCB16	10447	250920	37463	21618
22:36	ZZZZZZ	11123	258400	40859	20986
22:41	ZZZZZZ	12027	284650	44223	21028
22:47	ZZZZZZ	10755	250900	39184	20947
22:52	ZZZZZZ	11642	274220	43258	20797
22:57	ZZZZZZ	12082	279190	44199	20930
23:02	ZZZZZZ	13218	308560	48394	21040
23:07	ZZZZZZ	11626	274840	43303	21691
23:12	ZZZZZZ	11864	278650	43762	20866
23:17	ZZZZZZ	10431	248040	37959	21073
23:22	MA59558-CCV16	10157	237670	37423	20205
23:28	MA59558-CCB17	10386	248880	37093	21624
23:33	MP57963-MB1	10475	248360	37745	21727
23:38	MP57963-B1	10227	242910	37454	20526
23:43	MP57963-B2	10258	244710	37481	20603
23:48	MP57963-S1	9975	234090	37044	19668
23:54	MP57963-S2	9951	236400	37090	19633
23:59	JE20975-2	10043	235790	37071	20003
00:04	MP57963-SD1	10274	246410	37107	20987
00:09	ZZZZZZ	9478	218710	36326	18189
00:15	ZZZZZZ	8677	195000	34927	16226

INTERNAL STANDARD SUMMARY

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD101525M1.ICP Date Analyzed: 10/15/25 Methods: EPA 200.7, SW846 6010D
Analyst: LM Run ID: MA59558
Parameters: Fe,Mn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
00:20	MA59558-CCV17	10111	236900	36801	20143
00:25	MA59558-CCB18	10416	246240	37038	21661
00:30	ZZZZZZ	10310	245070	37547	20807
00:35	ZZZZZZ	10015	235260	37052	19898
00:41	ZZZZZZ	9910	229780	36533	19524
00:46	ZZZZZZ	9903	224970	37220	19760
00:51	ZZZZZZ	10092	231930	36847	20703
00:56	ZZZZZZ	10124	237000	37338	20103
01:01	ZZZZZZ	10185	243880	37274	20237
01:07	ZZZZZZ	10121	240550	37294	20001
01:12	ZZZZZZ	10125	243380	37248	20114
01:17	ZZZZZZ	10154	240290	37094	20207
01:22	MA59558-CCV18	10176	241330	36947	20024
01:27	MA59558-CCB19	10463	250170	37367	21524
01:32	ZZZZZZ	10110	241180	36899	20229
01:37	ZZZZZZ	10468	252670	37556	21599
01:42	ZZZZZZ	10353	244530	36965	21341
01:47	ZZZZZZ	10366	241070	36936	21341
01:52	ZZZZZZ	10328	242450	36974	21271
01:57	ZZZZZZ	10429	244900	37251	21607
02:02	ZZZZZZ	9841	218620	37356	19816
02:07	ZZZZZZ	9513	213550	36212	18615
02:13	ZZZZZZ	10003	237620	37224	19995
02:18	MA59558-CCV19	10211	241980	37118	19941
02:23	MA59558-CCB20	10480	252810	37183	21372
02:28	MP57983-MB1	10432	251000	37434	21324
02:33	MP57983-LB1	9439	210410	35797	17737
02:38	MP57983-B1	10134	241920	36941	20149
02:44	MP57983-LS1	9415	213220	35683	17542
02:49	MP57983-S1	9394	211610	35783	17564
02:54	MP57983-S2	9454	211310	36166	17925
03:00	JE20589-9A	9357	203480	36170	18153
03:05	MP57983-SD1	9908	228780	36361	19660

INTERNAL STANDARD SUMMARY

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD101525M1.ICP Date Analyzed: 10/15/25 Methods: EPA 200.7, SW846 6010D
Analyst: LM Run ID: MA59558
Parameters: Fe,Mn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
03:10	ZZZZZZ	9333	211730	35720	17534
03:15	MA59558-CCV20	10151	241950	37047	19838
03:20	MA59558-CCB21	10427	249080	37110	21250
03:26	ZZZZZZ	9403	211490	35929	17647
03:31	ZZZZZZ	9247	212470	35597	17311
03:36	ZZZZZZ	9396	210900	35606	17775
03:41	ZZZZZZ	9296	206330	36863	17911
03:46	ZZZZZZ	9323	204820	35883	17885
03:51	ZZZZZZ	9385	212750	35995	17765
03:56	ZZZZZZ	9504	213650	36070	17821
04:01	ZZZZZZ	9426	212990	35623	17635
04:07	ZZZZZZ	9490	216860	35753	17899
04:12	ZZZZZZ	9482	214210	36021	17832
04:17	MA59558-CCV21	10087	235890	36532	20114
04:22	MA59558-CCB22	10278	236350	37382	21694

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	70-130 %
Istd#2	Yttrium (3600)	70-130 %
Istd#3	Yttrium (3710)	70-130 %
Istd#4	Indium	70-130 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD101525M1.ICP Date Analyzed: 10/15/25 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA59558 Units: ug/l

Time: / Sample ID:			10:28 ICB1		10:44 CCB1		11:25 CCB2		11:56 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	27	anr							
Antimony	6.0	2.2	anr							
Arsenic	3.0	1.3	anr							
Barium	200	1	anr							
Beryllium	1.0	.2	anr							
Bismuth	20	2.1	anr							
Boron	100	1	anr							
Cadmium	3.0	.2	anr							
Calcium	5000	7.7	anr							
Cerium	100									
Chromium	10	.5	anr							
Cobalt	50	.4	anr							
Copper	10	6.8	anr							
Iron	100	15	8.70	<100	15.9	<100	39.8	<100	7.50	<100
Lead	3.0	1.6	anr							
Lithium	50	3.7	anr							
Magnesium	5000	54	anr							
Manganese	15	.1	0.500	<15	1.10	<15	1.40	<15	0.400	<15
Molybdenum	20	.5	anr							
Nickel	10	.3	anr							
Phosphorus	50	1.8	anr							
Potassium	10000	77	anr							
Selenium	10	2	anr							
Silicon	200	1.3	anr							
Silver	10	.9	anr							
Sodium	10000	23	anr							
Strontium	10	.4	anr							
Sulfur	50	4.1	anr							
Thallium	10	1.6	anr							
Tin	10	.9	anr							
Titanium	10	.9	anr							
Tungsten	50	2	anr							
Vanadium	50	.8	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD101525M1.ICP Date Analyzed: 10/15/25 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA59558 Units: ug/l

Time: / Sample ID:			10:28 ICB1		10:44 CCB1		11:25 CCB2		11:56 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zinc	20	.2	anr							
Zirconium	10	.5	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD101525M1.ICP Date Analyzed: 10/15/25 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA59558 Units: ug/l

Time: / Sample ID:			12:43 CCB4		13:33 CCB5		13:59 CCB6		15:00 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	27	anr							
Antimony	6.0	2.2	anr							
Arsenic	3.0	1.3	anr							
Barium	200	1	anr							
Beryllium	1.0	.2	anr							
Bismuth	20	2.1	anr							
Boron	100	1	anr							
Cadmium	3.0	.2	anr							
Calcium	5000	7.7	anr							
Cerium	100									
Chromium	10	.5	anr							
Cobalt	50	.4	anr							
Copper	10	6.8	anr							
Iron	100	15	20.4	<100	9.30	<100	26.2	<100	16.5	<100
Lead	3.0	1.6	anr							
Lithium	50	3.7	anr							
Magnesium	5000	54	anr							
Manganese	15	.1	2.70	<15	0.300	<15	1.90	<15	1.50	<15
Molybdenum	20	.5	anr							
Nickel	10	.3	anr							
Phosphorus	50	1.8	anr							
Potassium	10000	77	anr							
Selenium	10	2	anr							
Silicon	200	1.3	anr							
Silver	10	.9	anr							
Sodium	10000	23	anr							
Strontium	10	.4	anr							
Sulfur	50	4.1	anr							
Thallium	10	1.6	anr							
Tin	10	.9	anr							
Titanium	10	.9	anr							
Tungsten	50	2	anr							
Vanadium	50	.8	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD101525M1.ICP Date Analyzed: 10/15/25 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA59558 Units: ug/l

Time: / Sample ID:			12:43 CCB4		13:33 CCB5		13:59 CCB6		15:00 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zinc	20	.2	anr							
Zirconium	10	.5	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD101525M1.ICP Date Analyzed: 10/15/25 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA59558 Units: ug/l

Time: / Sample ID:			15:57 CCB8		16:32 CCB9		17:27 CCB10		18:13 CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	27	anr							
Antimony	6.0	2.2	anr							
Arsenic	3.0	1.3	anr							
Barium	200	1	anr							
Beryllium	1.0	.2	anr							
Bismuth	20	2.1	anr							
Boron	100	1	anr							
Cadmium	3.0	.2	anr							
Calcium	5000	7.7	anr							
Cerium	100									
Chromium	10	.5	anr							
Cobalt	50	.4	anr							
Copper	10	6.8	anr							
Iron	100	15	10.1	<100	30.1	<100	19.7	<100	14.9	<100
Lead	3.0	1.6	anr							
Lithium	50	3.7	anr							
Magnesium	5000	54	anr							
Manganese	15	.1	1.00	<15	1.30	<15	0.300	<15	0.900	<15
Molybdenum	20	.5	anr							
Nickel	10	.3	anr							
Phosphorus	50	1.8	anr							
Potassium	10000	77	anr							
Selenium	10	2	anr							
Silicon	200	1.3	anr							
Silver	10	.9	anr							
Sodium	10000	23	anr							
Strontium	10	.4	anr							
Sulfur	50	4.1	anr							
Thallium	10	1.6	anr							
Tin	10	.9	anr							
Titanium	10	.9	anr							
Tungsten	50	2	anr							
Vanadium	50	.8	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD101525M1.ICP Date Analyzed: 10/15/25 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA59558 Units: ug/l

Time: / Sample ID:			15:57 CCB8		16:32 CCB9		17:27 CCB10		18:13 CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zinc	20	.2	anr							
Zirconium	10	.5	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD101525M1.ICP Date Analyzed: 10/15/25 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA59558 Units: ug/l

Time:			18:59		19:50	
Sample ID:			CCB12		CCB13	
Metal	RL	IDL	raw	final	raw	final
Aluminum	200	27	anr			
Antimony	6.0	2.2	anr			
Arsenic	3.0	1.3	anr			
Barium	200	1	anr			
Beryllium	1.0	.2	anr			
Bismuth	20	2.1	anr			
Boron	100	1	anr			
Cadmium	3.0	.2	anr			
Calcium	5000	7.7	anr			
Cerium	100					
Chromium	10	.5	anr			
Cobalt	50	.4	anr			
Copper	10	6.8	anr			
Iron	100	15	13.5	<100	7.30	<100
Lead	3.0	1.6	anr			
Lithium	50	3.7	anr			
Magnesium	5000	54	anr			
Manganese	15	.1	1.30	<15	0.300	<15
Molybdenum	20	.5	anr			
Nickel	10	.3	anr			
Phosphorus	50	1.8	anr			
Potassium	10000	77	anr			
Selenium	10	2	anr			
Silicon	200	1.3	anr			
Silver	10	.9	anr			
Sodium	10000	23	anr			
Strontium	10	.4	anr			
Sulfur	50	4.1	anr			
Thallium	10	1.6	anr			
Tin	10	.9	anr			
Titanium	10	.9	anr			
Tungsten	50	2	anr			
Vanadium	50	.8	anr			

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD101525M1.ICP Date Analyzed: 10/15/25 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA59558 Units: ug/l

Time:			18:59		19:50	
Sample ID:			CCB12		CCB13	
Metal	RL	IDL	raw	final	raw	final
Zinc	20	.2	anr			
Zirconium	10	.5	anr			

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD101525M1.ICP Date Analyzed: 10/15/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA59558 Units: ug/l

Time:		10:33	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Bismuth	anr		
Boron	anr		
Cadmium	anr		
Calcium	anr		
Cerium			
Chromium	anr		
Cobalt	anr		
Copper	anr		
Iron	40000	40600	101.5
Lead	anr		
Lithium	anr		
Magnesium	anr		
Manganese	2000	2060	103.0
Molybdenum	anr		
Nickel	anr		
Phosphorus	anr		
Potassium	anr		
Selenium	anr		
Silicon	anr		
Silver	anr		
Sodium	anr		
Strontium	anr		
Sulfur	anr		
Thallium	anr		
Tin	anr		
Titanium	anr		
Tungsten	anr		
Vanadium	anr		

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD101525M1.ICP Date Analyzed: 10/15/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA59558 Units: ug/l

Time:		10:33	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec
Zinc	anr		
Zirconium	anr		

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD101525M1.ICP Date Analyzed: 10/15/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA59558 Units: ug/l

Time:		10:20			11:20			11:50	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Bismuth	anr								
Boron	anr								
Cadmium	anr								
Calcium	anr								
Cerium									
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	40000	40000	100.0	40000	40600	101.5	40000	40800	102.0
Lead	anr								
Lithium	anr								
Magnesium	anr								
Manganese	2000	2040	102.0	2000	2070	103.5	2000	2070	103.5
Molybdenum	anr								
Nickel	anr								
Phosphorus	anr								
Potassium	anr								
Selenium	anr								
Silicon	anr								
Silver	anr								
Sodium	anr								
Strontium	anr								
Sulfur	anr								
Thallium	anr								
Tin	anr								
Titanium	anr								
Tungsten	anr								
Vanadium	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD101525M1.ICP Date Analyzed: 10/15/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA59558 Units: ug/l

Time:		10:20			11:20			11:50	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	anr								
Zirconium	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD101525M1.ICP Date Analyzed: 10/15/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA59558 Units: ug/l

Time:		12:37			13:28			13:54	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Bismuth	anr								
Boron	anr								
Cadmium	anr								
Calcium	anr								
Cerium									
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	40000	40600	101.5	40000	40400	101.0	40000	40800	102.0
Lead	anr								
Lithium	anr								
Magnesium	anr								
Manganese	2000	2070	103.5	2000	2040	102.0	2000	2060	103.0
Molybdenum	anr								
Nickel	anr								
Phosphorus	anr								
Potassium	anr								
Selenium	anr								
Silicon	anr								
Silver	anr								
Sodium	anr								
Strontium	anr								
Sulfur	anr								
Thallium	anr								
Tin	anr								
Titanium	anr								
Tungsten	anr								
Vanadium	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD101525M1.ICP Date Analyzed: 10/15/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA59558 Units: ug/l

Time:		12:37			13:28			13:54	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	anr								
Zirconium	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD101525M1.ICP Date Analyzed: 10/15/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA59558 Units: ug/l

Time:		14:55			15:52			16:27	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Bismuth	anr								
Boron	anr								
Cadmium	anr								
Calcium	anr								
Cerium									
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	40000	40700	101.8	40000	40700	101.8	40000	40400	101.0
Lead	anr								
Lithium	anr								
Magnesium	anr								
Manganese	2000	2080	104.0	2000	2060	103.0	2000	2040	102.0
Molybdenum	anr								
Nickel	anr								
Phosphorus	anr								
Potassium	anr								
Selenium	anr								
Silicon	anr								
Silver	anr								
Sodium	anr								
Strontium	anr								
Sulfur	anr								
Thallium	anr								
Tin	anr								
Titanium	anr								
Tungsten	anr								
Vanadium	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD101525M1.ICP Date Analyzed: 10/15/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA59558 Units: ug/l

Time:		14:55			15:52			16:27	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	anr								
Zirconium	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD101525M1.ICP Date Analyzed: 10/15/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA59558 Units: ug/l

Time:		17:22			18:07			18:53	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Bismuth	anr								
Boron	anr								
Cadmium	anr								
Calcium	anr								
Cerium									
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	40000	40100	100.3	40000	40500	101.3	40000	40300	100.8
Lead	anr								
Lithium	anr								
Magnesium	anr								
Manganese	2000	2060	103.0	2000	2030	101.5	2000	2050	102.5
Molybdenum	anr								
Nickel	anr								
Phosphorus	anr								
Potassium	anr								
Selenium	anr								
Silicon	anr								
Silver	anr								
Sodium	anr								
Strontium	anr								
Sulfur	anr								
Thallium	anr								
Tin	anr								
Titanium	anr								
Tungsten	anr								
Vanadium	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD101525M1.ICP Date Analyzed: 10/15/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA59558 Units: ug/l

Time:		17:22			18:07			18:53	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	anr								
Zirconium	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD101525M1.ICP Date Analyzed: 10/15/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA59558 Units: ug/l

Time:		19:45	
Sample ID:	CCV	CCV12	
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Bismuth	anr		
Boron	anr		
Cadmium	anr		
Calcium	anr		
Cerium			
Chromium	anr		
Cobalt	anr		
Copper	anr		
Iron	40000	40000	100.0
Lead	anr		
Lithium	anr		
Magnesium	anr		
Manganese	2000	2040	102.0
Molybdenum	anr		
Nickel	anr		
Phosphorus	anr		
Potassium	anr		
Selenium	anr		
Silicon	anr		
Silver	anr		
Sodium	anr		
Strontium	anr		
Sulfur	anr		
Thallium	anr		
Tin	anr		
Titanium	anr		
Tungsten	anr		
Vanadium	anr		

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD101525M1.ICP Date Analyzed: 10/15/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA59558 Units: ug/l

Time:		19:45	
Sample ID:	CCV	CCV12	
Metal	True	Results	% Rec
Zinc	anr		
Zirconium	anr		

(*) Outside of QC limits
(anr) Analyte not requested

HIGH STANDARD CHECK SUMMARY

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD101525M1.ICP Date Analyzed: 10/15/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 90 to 110 % Recovery Run ID: MA59558 Units: ug/l

Time:		11:09			11:15	
Sample ID:	HSTD	HSTD1		HSTD	HSTD2	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum						
Antimony	anr					
Arsenic	anr					
Barium	anr					
Beryllium	anr					
Bismuth	anr					
Boron	anr					
Cadmium	anr					
Calcium						
Cerium						
Chromium	anr					
Cobalt	anr					
Copper	anr					
Iron				200000	187000	93.5
Lead	anr					
Lithium	anr					
Magnesium						
Manganese	8000	7920	99.0			
Molybdenum	anr					
Nickel	anr					
Phosphorus	anr					
Potassium						
Selenium	anr					
Silicon	anr					
Silver	anr					
Sodium						
Strontium	anr					
Sulfur	anr					
Thallium	anr					
Tin	anr					
Titanium	anr					
Tungsten	anr					
Vanadium	anr					

HIGH STANDARD CHECK SUMMARY

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD101525M1.ICP Date Analyzed: 10/15/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 90 to 110 % Recovery Run ID: MA59558 Units: ug/l

Time:		11:09			11:15	
Sample ID:	HSTD	HSTD1		HSTD	HSTD2	
Metal	True	Results	% Rec	True	Results	% Rec
Zinc	anr					
Zirconium	anr					

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD101525M1.ICP Date Analyzed: 10/15/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 80 to 120 % Recovery Run ID: MA59558 Units: ug/l

Time:				10:53		11:30		13:38	
Sample ID:	CRI	CRIA	CRID	CRID1		CRI2		CRI3	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	anr					
Antimony	6.0	20	3.0						
Arsenic	8.0	20	3.0	anr					
Barium	200		4.0	anr					
Beryllium	2.0		1.0	anr					
Bismuth	20								
Boron	100		10						
Cadmium	3.0		1.0	anr					
Calcium	5000	2000	1000	anr					
Cerium									
Chromium	10		2.0	anr					
Cobalt	50		3.0	anr					
Copper	10		2.0						
Iron	100	500				116	116.0	109	109.0
Lead	3.0	20	2.5						
Lithium	50								
Magnesium	5000	2000	100	anr					
Manganese	15		3.0	3.40	113.3	16.2	108.0	16.4	109.3
Molybdenum	20								
Nickel	10		4.0	anr					
Phosphorus	50								
Potassium	5000		2000	anr					
Selenium	10	20	5.0	anr					
Silicon	200								
Silver	5.0		2.0						
Sodium	5000		1000	anr					
Strontium	10								
Sulfur	50								
Thallium	10		2.0	anr					
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	anr					

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD101525M1.ICP Date Analyzed: 10/15/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 80 to 120 % Recovery Run ID: MA59558 Units: ug/l

Time:				10:53		11:30		13:38	
Sample ID:	CRI	CRIA	CRID	CRID1		CRI2		CRI3	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Zinc	20		10	anr					
Zirconium	10								

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD101525M1.ICP Date Analyzed: 10/15/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 80 to 120 % Recovery Run ID: MA59558 Units: ug/l

Time:			10:58		11:03		13:43		13:48	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	495000	99.0	497000	99.4	500000	100.0	499000	99.8
Antimony		1000	-4.50		1000	100.0	-3.80		1010	101.0
Arsenic		1000	-1.90		988	98.8	-1.90		996	99.6
Barium		500	-6.50		492	98.4	-6.70		492	98.4
Beryllium		500	0.400		493	98.6	0.400		489	97.8
Bismuth		500	2.20		499	99.8	3.30		505	101.0
Boron		500	1.40		497	99.4	1.10		499	99.8
Cadmium		1000	-2.50		1020	102.0	-2.50		1030	103.0
Calcium	400000	400000	376000	94.0	370000	92.5	384000	96.0	377000	94.3
Cerium			5.60		511*		10.6		511*	
Chromium		500	0.200		479	95.8	-0.200		482	96.4
Cobalt		500	-2.30		479	95.8	-2.60		478	95.6
Copper		500	-2.30		523	104.6	-2.80		515	103.0
Iron	200000	200000	188000	94.0	188000	94.0	189000	94.5	189000	94.5
Lead		1000	-2.30		926	92.6	-2.30		928	92.8
Lithium		500	2.10		545	109.0	4.70		544	108.8
Magnesium	500000	500000	492000	98.4	486000	97.2	493000	98.6	487000	97.4
Manganese		500	-2.10		510	102.0	-2.10		510	102.0
Molybdenum		500	-5.00		478	95.6	-4.90		482	96.4
Nickel		1000	0.900		975	97.5	0.800		975	97.5
Phosphorus		500	-12.3		505	101.0	-11.0		513	102.6
Potassium			114		110		181		159	
Selenium		1000	2.00		989	98.9	-2.60		991	99.1
Silicon		500	2.70		486	97.2	3.70		491	98.2
Silver		1000	1.30		1140	114.0	0.800		1140	114.0
Sodium			51.5		35.4		162		131	
Strontium		500	-0.800		494	98.8	-0.800		496	99.2
Sulfur		500	-9.40		477	95.4	-3.10		490	98.0
Thallium		1000	1.70		953	95.3	1.90		943	94.3
Tin		500	-0.900		467	93.4	-0.300		471	94.2
Titanium		500	-0.600		494	98.8	-0.600		502	100.4
Tungsten		500	-0.800		464	92.8	-0.400		468	93.6
Vanadium		500	-2.10		500	100.0	-2.10		501	100.2

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD101525M1.ICP Date Analyzed: 10/15/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 80 to 120 % Recovery Run ID: MA59558 Units: ug/l

Time:			10:58		11:03		13:43		13:48	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Zinc		1000	-3.10		935	93.5	-3.30		940	94.0
Zirconium		500	0.700		491	98.2	0.800		470	94.0

(*) Outside of QC limits
(anr) Analyte not requested

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
Analyst: LM Run ID: MA59580
Parameters: Fe,Mn

Time	Sample Description	Dilution Factor	PS Recov	Comments
07:19	MA59580-STD1	1		STDA
07:25	MA59580-STD2	1		STDB
07:30	MA59580-ICV1	1		
07:36	MA59580-ICB1	1		
07:43	MA59580-ICCV1	1		
07:48	MA59580-CCB1	1		
07:53	MA59580-CRI1	1		
07:58	MA59580-CRID1	1		
08:03	MA59580-ICSA1	1		
08:08	MA59580-ICSAB1	1		
08:13	MA59580-HSTD1	1		
08:18	MA59580-HSTD2	1		
08:23	ZZZZZZ	1		
08:28	ZZZZZZ	1		
08:33	ZZZZZZ	1		
08:38	ZZZZZZ	1		
08:43	MA59580-CCV1	1		
08:48	MA59580-CCB2	1		
08:53	ZZZZZZ	1		
08:58	ZZZZZZ	1		
09:12	ZZZZZZ	1		
09:17	MA59580-CRI2	1		
09:22	MA59580-CCV2	1		
09:27	MA59580-CCB3	1		
09:32	MP58070-MB1	1		
09:37	MP58070-B1	1		
09:41	MP58070-S1	1		
09:46	MP58070-S2	1		
09:51	JE21274-7	1		(sample used for QC only; not part of login JE20825)
09:56	MP58070-SD1	5		
10:01	MP58070-PS1	1		
10:05	ZZZZZZ	1		
10:10	MA59580-CCV3	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
Analyst: LM Run ID: MA59580
Parameters: Fe,Mn

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:15	MA59580-CCB4	1		
10:20	MP58091-MB1	1		
10:25	MP58091-LB1	1		
10:30	MP58091-B1	1		
10:34	MP58091-LS1	1		
10:39	MP58091-S1	1		
10:44	MP58091-S2	1		
10:48	JE21185-16	1		(sample used for QC only; not part of login JE20825)
10:53	MP58091-SD1	5		
10:58	ZZZZZZ	1		
11:03	ZZZZZZ	1		
11:08	MA59580-CCV4	1		
11:13	MA59580-CCB5	1		
11:18	MP58034-MB1	1		bad reading for AS and PB
11:23	MP58034-B1	1		
11:27	MP58034-S1	1		Ca and Na high
11:32	MP58034-S2	1		Ca and Na high
11:37	JE21222-1	1		(sample used for QC only; not part of login JE20825)
11:42	MP58034-SD1	5		Ca and Na high
11:47	ZZZZZZ	1		
11:52	ZZZZZZ	1		
11:57	ZZZZZZ	1		
12:02	MA59580-CCV5	1		
12:06	MA59580-CCB6	1		
12:11	MP57944-MB2	1		
12:16	MP57944-B3	1		
12:21	MP57944-S5	1		
12:26	MP57944-S6	1		
12:31	JE20847-4	1		(sample used for QC only; not part of login JE20825)
12:36	MP57944-SD2	5		
---------->	Last reportable sample/prep for job JE20825			
12:41	ZZZZZZ	1		
12:46	ZZZZZZ	1		
12:51	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
Analyst: LM Run ID: MA59580
Parameters: Fe,Mn

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	12:56	ZZZZZZ	1		
	13:01	MA59580-CCV6	1		
	13:05	MA59580-CCB7	1		
---------->	Last reportable CCB for job JE20825				
	13:10	MP58070-S1	2		
	13:15	MP58070-S2	2		
	13:19	JE21274-7	2		(sample used for QC only; not part of login JE20825)
	13:24	MP58070-SD1	10		
	13:29	ZZZZZZ	1		
	13:34	ZZZZZZ	1		
	13:39	ZZZZZZ	1		
	13:44	ZZZZZZ	1		
	13:49	ZZZZZZ	1		
	13:54	ZZZZZZ	1		
	13:59	MA59580-CCV7	1		
	14:03	MA59580-CCB8	1		
	14:08	ZZZZZZ	1		
	14:13	ZZZZZZ	1		
	14:18	ZZZZZZ	1		
	14:23	ZZZZZZ	1		
	14:28	ZZZZZZ	1		
	14:33	ZZZZZZ	1		
	14:38	ZZZZZZ	1		
	14:43	ZZZZZZ	1		
	14:48	ZZZZZZ	1		
	14:53	MA59580-CCV8	1		
	14:57	MA59580-CCB9	1		
	15:02	MP58017-MB2	1		
	15:07	MP58017-LB2	1		
	15:12	MP58102-MB1	1		
	15:17	MP58102-LB1	1		
	15:22	MP58102-B1	1		
	15:26	MP58102-LS1	1		
	15:31	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
Analyst: LM Run ID: MA59580
Parameters: Fe,Mn

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:36	ZZZZZZ	1		
15:41	ZZZZZZ	1		
15:47	ZZZZZZ	1		
15:52	MA59580-CCV9	1		
15:56	MA59580-CCB10	1		
16:01	ZZZZZZ	1		
16:06	MP58017-B2	1		
16:11	MP58017-LS2	1		
16:15	MP58017-S1	1		
16:20	MP58017-S2	1		
16:25	JE20703-4	1		(sample used for QC only; not part of login JE20825)
16:30	MP58017-SD1	5		
16:35	ZZZZZZ	1		
16:40	ZZZZZZ	1		
16:45	ZZZZZZ	1		
16:50	MA59580-CCV10	1		
16:55	MA59580-CCB11	1		
17:00	ZZZZZZ	1		
17:05	ZZZZZZ	1		
17:10	MP58102-S1	1		
17:15	MP58102-S2	1		
17:19	JE21055-1A	1		(sample used for QC only; not part of login JE20825)
17:24	MP58102-SD1	5		
17:29	ZZZZZZ	1		
17:35	ZZZZZZ	1		
17:40	ZZZZZZ	1		
17:45	ZZZZZZ	1		
17:51	MA59580-CCV11	1		
17:55	MA59580-CCB12	1		
18:00	ZZZZZZ	1		
18:05	ZZZZZZ	1		
18:10	ZZZZZZ	1		
18:15	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
Analyst: LM Run ID: MA59580
Parameters: Fe,Mn

Time	Sample Description	Dilution Factor	PS Recov	Comments
18:20	ZZZZZZ	1		
18:25	ZZZZZZ	1		
18:30	ZZZZZZ	1		
18:35	ZZZZZZ	1		
18:40	ZZZZZZ	1		
18:45	MA59580-CCV12	1		
18:50	MA59580-CCB13	1		
18:55	MP58071-MB1	1		
19:00	MP58071-B1	1		
19:04	MP58071-S1	1		Ca, FE high
19:09	MP58071-S2	1		Ca, FE high
19:14	JE21301-1	1		(sample used for QC only; not part of login JE20825)
19:19	MP58071-SD1	5		
19:24	MP58071-PS1	1		
19:28	ZZZZZZ	1		
19:34	ZZZZZZ	1		
19:38	MA59580-CCV13	1		
19:43	MA59580-CCB14	1		

Refer to raw data for calibration curve and standards.

REPORTED ELEMENTS SUMMARY

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
Analyst: LM Run ID: MA59580
Parameters: Fe,Mn

Time	Sample Description	Dilution	Fe	Mn	
07:30	MA59580-ICV1	1	X	X	
07:36	MA59580-ICB1	1	X	X	
07:43	MA59580-ICCV1	1	X	X	
07:48	MA59580-CCB1	1	X	X	
07:53	MA59580-CRI1	1	X	X	
07:58	MA59580-CRID1	1	X	X	
08:03	MA59580-ICSA1	1	X	X	
08:08	MA59580-ICSAB1	1	X	X	
08:13	MA59580-HSTD1	1	X	X	
08:18	MA59580-HSTD2	1	X	X	
08:23	ZZZZZZ	1			
08:28	ZZZZZZ	1			
08:33	ZZZZZZ	1			
08:38	ZZZZZZ	1			
08:43	MA59580-CCV1	1	X	X	
08:48	MA59580-CCB2	1	X	X	
08:53	ZZZZZZ	1			
08:58	ZZZZZZ	1			
09:12	ZZZZZZ	1			
09:17	MA59580-CRI2	1	X	X	
09:22	MA59580-CCV2	1	X	X	
09:27	MA59580-CCB3	1	X	X	
09:32	MP58070-MB1	1	X	X	
09:37	MP58070-B1	1	X	X	
09:41	MP58070-S1	1	X	X	
09:46	MP58070-S2	1	X	X	
09:51	JE21274-7	1	X	X	(a)
09:56	MP58070-SD1	5	X	X	
10:01	MP58070-PS1	1			
10:05	ZZZZZZ	1			
10:10	MA59580-CCV3	1	X	X	
10:15	MA59580-CCB4	1	X	X	
10:20	MP58091-MB1	1			

Element:	Fe	Mn

REPORTED ELEMENTS SUMMARY

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
Analyst: LM Run ID: MA59580
Parameters: Fe,Mn

Time	Sample Description	Dilution	Element: Fe	Mn	
10:25	MP58091-LB1	1			
10:30	MP58091-B1	1			
10:34	MP58091-LS1	1			
10:39	MP58091-S1	1			
10:44	MP58091-S2	1			
10:48	JE21185-16	1			(a)
10:53	MP58091-SD1	5			
10:58	ZZZZZZ	1			
11:03	ZZZZZZ	1			
11:08	MA59580-CCV4	1	X	X	
11:13	MA59580-CCB5	1	X	X	
11:18	MP58034-MB1	1	X	X	
11:23	MP58034-B1	1	X	X	
11:27	MP58034-S1	1	X	X	
11:32	MP58034-S2	1	X	X	
11:37	JE21222-1	1	X	X	(a)
11:42	MP58034-SD1	5	X	X	
11:47	ZZZZZZ	1			
11:52	ZZZZZZ	1			
11:57	ZZZZZZ	1			
12:02	MA59580-CCV5	1	X	X	
12:06	MA59580-CCB6	1	X	X	
12:11	MP57944-MB2	1	X	X	
12:16	MP57944-B3	1	X	X	
12:21	MP57944-S5	1	X	X	
12:26	MP57944-S6	1	X	X	
12:31	JE20847-4	1			
12:36	MP57944-SD2	5	X	X	
12:41	ZZZZZZ	1			
12:46	ZZZZZZ	1			
12:51	ZZZZZZ	1			
12:56	ZZZZZZ	1			
13:01	MA59580-CCV6	1	X	X	
		Element:	Fe	Mn	

REPORTED ELEMENTS SUMMARY

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
Analyst: LM Run ID: MA59580
Parameters: Fe,Mn

Time	Sample Description	Dilution	Element: Fe	Mn	
13:05	MA59580-CCB7	1	X	X	
13:10	MP58070-S1	2			
13:15	MP58070-S2	2			
13:19	JE21274-7	2			(a)
13:24	MP58070-SD1	10			
13:29	ZZZZZZ	1			
13:34	ZZZZZZ	1			
13:39	ZZZZZZ	1			
13:44	ZZZZZZ	1			
13:49	ZZZZZZ	1			
13:54	ZZZZZZ	1			
13:59	MA59580-CCV7	1	X	X	
14:03	MA59580-CCB8	1	X	X	
14:08	ZZZZZZ	1			
14:13	ZZZZZZ	1			
14:18	ZZZZZZ	1			
14:23	ZZZZZZ	1			
14:28	ZZZZZZ	1			
14:33	ZZZZZZ	1			
14:38	ZZZZZZ	1			
14:43	ZZZZZZ	1			
14:48	ZZZZZZ	1			
14:53	MA59580-CCV8	1	X	X	
14:57	MA59580-CCB9	1	X	X	
15:02	MP58017-MB2	1			
15:07	MP58017-LB2	1			
15:12	MP58102-MB1	1			
15:17	MP58102-LB1	1			
15:22	MP58102-B1	1			
15:26	MP58102-LS1	1			
15:31	ZZZZZZ	1			
15:36	ZZZZZZ	1			
15:41	ZZZZZZ	1			
		Element:	Fe	Mn	

REPORTED ELEMENTS SUMMARY

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
Analyst: LM Run ID: MA59580
Parameters: Fe,Mn

Time	Sample Description	Dilution	Element: Fe	Mn	
15:47	ZZZZZZ	1			
15:52	MA59580-CCV9	1	X	X	
15:56	MA59580-CCB10	1	X	X	
16:01	ZZZZZZ	1			
16:06	MP58017-B2	1			
16:11	MP58017-LS2	1			
16:15	MP58017-S1	1			
16:20	MP58017-S2	1			
16:25	JE20703-4	1			(a)
16:30	MP58017-SD1	5			
16:35	ZZZZZZ	1			
16:40	ZZZZZZ	1			
16:45	ZZZZZZ	1			
16:50	MA59580-CCV10	1	X	X	
16:55	MA59580-CCB11	1	X	X	
17:00	ZZZZZZ	1			
17:05	ZZZZZZ	1			
17:10	MP58102-S1	1			
17:15	MP58102-S2	1			
17:19	JE21055-1A	1			(a)
17:24	MP58102-SD1	5			
17:29	ZZZZZZ	1			
17:35	ZZZZZZ	1			
17:40	ZZZZZZ	1			
17:45	ZZZZZZ	1			
17:51	MA59580-CCV11	1	X	X	
17:55	MA59580-CCB12	1	X	X	
18:00	ZZZZZZ	1			
18:05	ZZZZZZ	1			
18:10	ZZZZZZ	1			
18:15	ZZZZZZ	1			
18:20	ZZZZZZ	1			
18:25	ZZZZZZ	1			
		Element:	Fe	Mn	

REPORTED ELEMENTS SUMMARY

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
Analyst: LM Run ID: MA59580
Parameters: Fe,Mn

Time	Sample Description	Dilution	Element: Fe	Mn	
18:30	ZZZZZZ	1			
18:35	ZZZZZZ	1			
18:40	ZZZZZZ	1			
18:45	MA59580-CCV12	1	X	X	
18:50	MA59580-CCB13	1	X	X	
18:55	MP58071-MB1	1	X	X	
19:00	MP58071-B1	1	X	X	
19:04	MP58071-S1	1		X	
19:09	MP58071-S2	1		X	
19:14	JE21301-1	1	X	X	(a)
19:19	MP58071-SD1	5	X	X	
19:24	MP58071-PS1	1			
19:28	ZZZZZZ	1			
19:34	ZZZZZZ	1			
19:38	MA59580-CCV13	1	X	X	
19:43	MA59580-CCB14	1	X	X	

(a) Sample used for QC only; not part of login JE20825.

	Element: Fe	Mn

INTERNAL STANDARD SUMMARY

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
Analyst: LM Run ID: MA59580
Parameters: Fe,Mn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
07:19	MA59580-STD1	3100 R	99934 R	16913 R	6127 R
07:25	MA59580-STD2	3023	99958	16687	6126
07:30	MA59580-ICV1	3050	98710	16702	6127
07:36	MA59580-ICB1	3129	100210	16775	6183
07:43	MA59580-ICCV1	3083	99628	16670	6190
07:48	MA59580-CCB1	3114	100020	16771	6163
07:53	MA59580-CRI1	3119	99141	16572	6187
07:58	MA59580-CRID1	3121	100630	16885	6164
08:03	MA59580-ICSA1	2944	97398	16858	5889
08:08	MA59580-ICSAB1	2926	98115	16843	5871
08:13	MA59580-HSTD1	3062	100970	16973	6220
08:18	MA59580-HSTD2	2956	98067	16576	5907
08:23	ZZZZZZ	3102	100430	16556	6286
08:28	ZZZZZZ	3227	101180	17941	6185
08:33	ZZZZZZ	2988	100170	16429	5949
08:38	ZZZZZZ	3107	100890	16719	6117
08:43	MA59580-CCV1	3066	99827	16889	6129
08:48	MA59580-CCB2	3115	99635	16613	6136
08:53	ZZZZZZ	3106	101320	16761	6137
08:58	ZZZZZZ	3119	99947	16887	6140
09:12	ZZZZZZ	3106	100830	16611	6129
09:17	MA59580-CRI2	3113	100970	16846	6136
09:22	MA59580-CCV2	3071	100620	16676	6125
09:27	MA59580-CCB3	3103	100590	16808	6108
09:32	MP58070-MB1	3130	100700	16718	6160
09:37	MP58070-B1	3088	99842	16745	6177
09:41	MP58070-S1	3077	101650	17077	6089
09:46	MP58070-S2	3067	101480	17177	6031
09:51	JE21274-7	3096	101850	17178	6107
09:56	MP58070-SD1	3101	101010	16870	6139
10:01	MP58070-PS1	3060	102270	17097	6074
10:05	ZZZZZZ	3153	103870	17699	6150
10:10	MA59580-CCV3	3067	99994	16687	6131

INTERNAL STANDARD SUMMARY

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
Analyst: LM Run ID: MA59580
Parameters: Fe,Mn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
10:15	MA59580-CCB4	3120	100700	16661	6141
10:20	MP58091-MB1	3123	100090	16631	6154
10:25	MP58091-LB1	3022	100210	16406	5833
10:30	MP58091-B1	3092	101050	16832	6168
10:34	MP58091-LS1	3023	100100	16633	5825
10:39	MP58091-S1	3002	100160	16588	5799
10:44	MP58091-S2	3029	100780	16754	5837
10:48	JE21185-16	3028	100780	16596	5844
10:53	MP58091-SD1	3110	102220	16615	6128
10:58	ZZZZZZ	2969	100060	16580	5754
11:03	ZZZZZZ	2959	99573	16565	5694
11:08	MA59580-CCV4	3077	100950	16540	6136
11:13	MA59580-CCB5	3121	101030	16964	6124
11:18	MP58034-MB1	3115	101330	16923	6124
11:23	MP58034-B1	3088	100360	16931	6169
11:27	MP58034-S1	2957	99309	16383	5853
11:32	MP58034-S2	2975	99381	16542	5892
11:37	JE21222-1	2944	100390	16306	5816
11:42	MP58034-SD1	3072	100360	16555	6092
11:47	ZZZZZZ	3085	100120	16734	6090
11:52	ZZZZZZ	3033	99409	16338	6016
11:57	ZZZZZZ	3059	101640	16693	6070
12:02	MA59580-CCV5	3069	101040	16754	6109
12:06	MA59580-CCB6	3117	100460	16655	6122
12:11	MP57944-MB2	3130	103080	17077	6151
12:16	MP57944-B3	3102	101930	16943	6173
12:21	MP57944-S5	3004	101130	16457	5958
12:26	MP57944-S6	2998	100740	16720	5940
12:31	JE20847-4	No results reported for the elements associated with this internal standard.			
12:36	MP57944-SD2	3090	101380	16745	6107
12:41	ZZZZZZ	3231	105200	17433	6229
12:46	ZZZZZZ	3268	107670	17973	6242
12:51	ZZZZZZ	2944	100560	16532	5672

INTERNAL STANDARD SUMMARY

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
Analyst: LM Run ID: MA59580
Parameters: Fe,Mn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
12:56	ZZZZZZ	3013	101690	16651	5765
13:01	MA59580-CCV6	3086	101030	16648	6132
13:05	MA59580-CCB7	3115	101510	16824	6114
13:10	MP58070-S1	3091	103040	17277	6114
13:15	MP58070-S2	3088	101970	17175	6067
13:19	JE21274-7	3095	102960	17207	6101
13:24	MP58070-SD1	3132	102270	16934	6166
13:29	ZZZZZZ	3026	100600	16612	5817
13:34	ZZZZZZ	3035	101740	16585	5856
13:39	ZZZZZZ	2984	99911	16485	5761
13:44	ZZZZZZ	3004	100550	16461	5803
13:49	ZZZZZZ	3067	102400	16446	5910
13:54	ZZZZZZ	2993	100840	16568	5771
13:59	MA59580-CCV7	3103	102020	16810	6163
14:03	MA59580-CCB8	3117	102960	17090	6110
14:08	ZZZZZZ	2998	102140	16622	5783
14:13	ZZZZZZ	2977	100910	16564	5727
14:18	ZZZZZZ	2964	100450	16654	5715
14:23	ZZZZZZ	2993	101320	16571	5773
14:28	ZZZZZZ	2983	100580	16917	5765
14:33	ZZZZZZ	3004	102340	16620	5801
14:38	ZZZZZZ	3015	101480	16538	5812
14:43	ZZZZZZ	2944	100400	16537	5663
14:48	ZZZZZZ	2948	100080	16385	5708
14:53	MA59580-CCV8	3066	101990	16828	6094
14:57	MA59580-CCB9	3118	102620	16777	6105
15:02	MP58017-MB2	3118	101120	17179	6100
15:07	MP58017-LB2	3013	100250	16432	5789
15:12	MP58102-MB1	3099	102910	17302	6082
15:17	MP58102-LB1	3005	102080	16723	5780
15:22	MP58102-B1	3073	102220	17184	6125
15:26	MP58102-LS1	2983	101990	16904	5721
15:31	ZZZZZZ	2863	99392	16446	5518

INTERNAL STANDARD SUMMARY

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
Analyst: LM Run ID: MA59580
Parameters: Fe,Mn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
15:36	ZZZZZZ	2839	99336	16478	5474
15:41	ZZZZZZ	2860	100090	16551	5503
15:47	ZZZZZZ	2854	100080	16513	5499
15:52	MA59580-CCV9	3089	103430	17032	6140
15:56	MA59580-CCB10	3122	103430	17168	6108
16:01	ZZZZZZ	2859	99929	16479	5485
16:06	MP58017-B2	3086	103960	17279	6133
16:11	MP58017-LS2	3060	103260	17124	5876
16:15	MP58017-S1	3050	106370	17297	5853
16:20	MP58017-S2	3081	105760	17987	5921
16:25	JE20703-4	3059	107240	17552	5887
16:30	MP58017-SD1	3157	108230	17910	6220
16:35	ZZZZZZ	3009	104120	17515	5830
16:40	ZZZZZZ	3033	105470	17627	5863
16:45	ZZZZZZ	3030	105040	17598	5854
16:50	MA59580-CCV10	3123	107760	18020	6228
16:55	MA59580-CCB11	3199	107450	18293	6301
17:00	ZZZZZZ	3053	105550	17646	5866
17:05	ZZZZZZ	3044	106270	17501	5837
17:10	MP58102-S1	3013	105340	17668	5781
17:15	MP58102-S2	3053	104700	17683	5866
17:19	JE21055-1A	3051	106870	17716	5873
17:24	MP58102-SD1	3155	109100	18021	6222
17:29	ZZZZZZ	2940	104940	17187	5676
17:35	ZZZZZZ	2918	103450	17290	5630
17:40	ZZZZZZ	2911	103760	17189	5620
17:45	ZZZZZZ	2901	103040	17023	5591
17:51	MA59580-CCV11	3165	107630	17899	6308
17:55	MA59580-CCB12	3198	107090	18003	6295
18:00	ZZZZZZ	3059	105330	17469	5884
18:05	ZZZZZZ	3060	106370	17568	5918
18:10	ZZZZZZ	3046	106130	17683	5899
18:15	ZZZZZZ	3057	106000	17505	5898

INTERNAL STANDARD SUMMARY

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
Analyst: LM Run ID: MA59580
Parameters: Fe,Mn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
18:20	ZZZZZZ	3258	109000	18607	6354
18:25	ZZZZZZ	2948	101600	17191	5643
18:30	ZZZZZZ	2899	100600	16855	5589
18:35	ZZZZZZ	3071	105740	17458	5889
18:40	ZZZZZZ	2991	105070	17275	5724
18:45	MA59580-CCV12	3184	107360	17815	6331
18:50	MA59580-CCB13	3231	107940	17853	6354
18:55	MP58071-MB1	3206	106700	17923	6301
19:00	MP58071-B1	3191	107690	17984	6366
19:04	MP58071-S1	3221	110680	18535	6333
19:09	MP58071-S2	3151	109200	18439	6154
19:14	JE21301-1	3192	108570	18322	6240
19:19	MP58071-SD1	3237	107790	18075	6376
19:24	MP58071-PS1	3148	109140	18319	6209
19:28	ZZZZZZ	3027	104880	17483	5789
19:34	ZZZZZZ	3174	107350	17620	6270
19:38	MA59580-CCV13	3189	106850	17816	6340
19:43	MA59580-CCB14	3237	108260	18037	6363

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	70-130 %
Istd#2	Yttrium (3600)	70-130 %
Istd#3	Yttrium (3710)	70-130 %
Istd#4	Indium	70-130 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA59580 Units: ug/l

Time: / Sample ID:			07:36 ICB1		07:48 CCB1		08:48 CCB2		09:27 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	17	anr							
Antimony	6.0	1.7	anr							
Arsenic	3.0	2.1	anr							
Barium	200	.8	anr							
Beryllium	1.0	.3	anr							
Bismuth	20	2.3								
Boron	100	2.3								
Cadmium	3.0	.3	anr							
Calcium	5000	6.6	anr							
Cerium	100									
Chromium	10	.3	anr							
Cobalt	50	.4	anr							
Copper	10	.8	anr							
Iron	100	5.3	0.600	<100	3.20	<100	2.20	<100	2.20	<100
Lead	3.0	1.1	anr							
Lithium	50	4.8								
Magnesium	5000	32	anr							
Manganese	15	.1	0.00	<15	0.100	<15	0.300	<15	0.200	<15
Molybdenum	20	.6								
Nickel	10	.4	anr							
Phosphorus	50	1.2								
Potassium	10000	77	anr							
Selenium	10	3.2	anr							
Silicon	200	1.7								
Silver	10	1	anr							
Sodium	10000	34	anr							
Strontium	10	.3								
Sulfur	50	3								
Thallium	10	1.8	anr							
Tin	10	.8								
Titanium	10	.5								
Tungsten	50	2.6								
Vanadium	50	.6	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA59580 Units: ug/l

Time: / Sample ID:			07:36 ICB1		07:48 CCB1		08:48 CCB2		09:27 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zinc	20	.1	anr							
Zirconium	10	.3								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA59580 Units: ug/l

Time: / Sample ID:			10:15 CCB4		11:13 CCB5		12:06 CCB6		13:05 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	17	anr							
Antimony	6.0	1.7	anr							
Arsenic	3.0	2.1	anr							
Barium	200	.8	anr							
Beryllium	1.0	.3	anr							
Bismuth	20	2.3								
Boron	100	2.3								
Cadmium	3.0	.3	anr							
Calcium	5000	6.6	anr							
Cerium	100									
Chromium	10	.3	anr							
Cobalt	50	.4	anr							
Copper	10	.8	anr							
Iron	100	5.3	2.30	<100	1.40	<100	3.00	<100	3.40	<100
Lead	3.0	1.1	anr							
Lithium	50	4.8								
Magnesium	5000	32	anr							
Manganese	15	.1	0.300	<15	0.100	<15	0.300	<15	0.800	<15
Molybdenum	20	.6								
Nickel	10	.4	anr							
Phosphorus	50	1.2								
Potassium	10000	77	anr							
Selenium	10	3.2	anr							
Silicon	200	1.7								
Silver	10	1	anr							
Sodium	10000	34	anr							
Strontium	10	.3								
Sulfur	50	3								
Thallium	10	1.8	anr							
Tin	10	.8								
Titanium	10	.5								
Tungsten	50	2.6								
Vanadium	50	.6	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA59580 Units: ug/l

Time: / Sample ID:			10:15 CCB4		11:13 CCB5		12:06 CCB6		13:05 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zinc	20	.1	anr							
Zirconium	10	.3								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
QC Limits: to % Recovery Run ID: MA59580 Units: ug/l

Time:		07:43	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Bismuth			
Boron			
Cadmium	anr		
Calcium	anr		
Cerium			
Chromium	anr		
Cobalt	anr		
Copper	anr		
Iron	40000	40100	100.3
Lead	anr		
Lithium			
Magnesium	anr		
Manganese	2000	2080	104.0
Molybdenum			
Nickel	anr		
Phosphorus			
Potassium	anr		
Selenium	anr		
Silicon			
Silver	anr		
Sodium	anr		
Strontium			
Sulfur			
Thallium	anr		
Tin			
Titanium			
Tungsten			
Vanadium	anr		

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
QC Limits: to % Recovery Run ID: MA59580 Units: ug/l

Time:		07:43	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec
Zinc	anr		
Zirconium			

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA59580 Units: ug/l

Time:		07:30			08:43			09:22	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Bismuth									
Boron									
Cadmium	anr								
Calcium	anr								
Cerium									
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	40000	39700	99.3	40000	40400	101.0	40000	40600	101.5
Lead	anr								
Lithium									
Magnesium	anr								
Manganese	2000	2100	105.0	2000	2090	104.5	2000	2070	103.5
Molybdenum									
Nickel	anr								
Phosphorus									
Potassium	anr								
Selenium	anr								
Silicon									
Silver	anr								
Sodium	anr								
Strontium									
Sulfur									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA59580 Units: ug/l

Time:		07:30			08:43			09:22	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	anr								
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA59580 Units: ug/l

Time:		10:10			11:08			12:02	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Bismuth									
Boron									
Cadmium	anr								
Calcium	anr								
Cerium									
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	40000	40500	101.3	40000	40600	101.5	40000	40500	101.3
Lead	anr								
Lithium									
Magnesium	anr								
Manganese	2000	2090	104.5	2000	2070	103.5	2000	2080	104.0
Molybdenum									
Nickel	anr								
Phosphorus									
Potassium	anr								
Selenium	anr								
Silicon									
Silver	anr								
Sodium	anr								
Strontium									
Sulfur									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA59580 Units: ug/l

Time:		10:10			11:08			12:02	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	anr								
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA59580 Units: ug/l

Time:		13:01	
Sample ID:	CCV	CCV6	
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Bismuth			
Boron			
Cadmium	anr		
Calcium	anr		
Cerium			
Chromium	anr		
Cobalt	anr		
Copper	anr		
Iron	40000	40700	101.8
Lead	anr		
Lithium			
Magnesium	anr		
Manganese	2000	2080	104.0
Molybdenum			
Nickel	anr		
Phosphorus			
Potassium	anr		
Selenium	anr		
Silicon			
Silver	anr		
Sodium	anr		
Strontium			
Sulfur			
Thallium	anr		
Tin			
Titanium			
Tungsten			
Vanadium	anr		

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA59580 Units: ug/l

Time:		13:01	
Sample ID:	CCV	CCV6	
Metal	True	Results	% Rec
Zinc	anr		
Zirconium			

(*) Outside of QC limits
(anr) Analyte not requested

HIGH STANDARD CHECK SUMMARY

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 90 to 110 % Recovery Run ID: MA59580 Units: ug/l

Time:		08:13			08:18	
Sample ID:	HSTD	HSTD1		HSTD	HSTD2	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum						
Antimony	anr					
Arsenic	anr					
Barium	anr					
Beryllium	anr					
Bismuth						
Boron						
Cadmium	anr					
Calcium						
Cerium						
Chromium	anr					
Cobalt	anr					
Copper	anr					
Iron				200000	183000	91.5
Lead	anr					
Lithium						
Magnesium						
Manganese	8000	7970	99.6			
Molybdenum						
Nickel	anr					
Phosphorus						
Potassium						
Selenium	anr					
Silicon						
Silver	anr					
Sodium						
Strontium						
Sulfur						
Thallium	anr					
Tin						
Titanium						
Tungsten						
Vanadium	anr					

HIGH STANDARD CHECK SUMMARY

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 90 to 110 % Recovery Run ID: MA59580 Units: ug/l

Time:		08:13			08:18	
Sample ID:	HSTD	HSTD1		HSTD	HSTD2	
Metal	True	Results	% Rec	True	Results	% Rec
Zinc	anr					
Zirconium						

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
QC Limits: CRI 80-120% CRIA 80-120% Run ID: MA59580 Units: ug/l

Time:				07:53		07:58		09:17	
Sample ID:	CRI	CRIA	CRID	CRI1		CRID1		CRI2	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	anr					
Antimony	6.0	20	3.0	anr					
Arsenic	8.0	20	3.0	anr					
Barium	200		4.0	anr					
Beryllium	2.0		1.0	anr					
Bismuth	20								
Boron	100		10						
Cadmium	3.0		1.0	anr					
Calcium	5000	2000	1000	anr					
Cerium									
Chromium	10		2.0	anr					
Cobalt	50		3.0	anr					
Copper	10		2.0	anr					
Iron	100	500		109	109.0			101	101.0
Lead	3.0	20	2.5	anr					
Lithium	50								
Magnesium	5000	2000	100	anr					
Manganese	15		3.0	16.4	109.3	3.10	103.3	15.5	103.3
Molybdenum	20								
Nickel	10		4.0	anr					
Phosphorus	50								
Potassium	5000		2000	anr					
Selenium	10	20	5.0	anr					
Silicon	200								
Silver	5.0		2.0	anr					
Sodium	5000		1000	anr					
Strontium	10								
Sulfur	50								
Thallium	10		2.0	anr					
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	anr					

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
QC Limits: CRI 80-120% CRIA 80-120% Run ID: MA59580 Units: ug/l

Time:				07:53		07:58		09:17	
Sample ID:	CRI	CRIA	CRID	CRI1		CRID1		CRI2	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Zinc	20		10	anr					
Zirconium	10								

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 80 to 120 % Recovery Run ID: MA59580 Units: ug/l

Time:			08:03		08:08	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	500000	500000	497000	99.4	504000	100.8
Antimony		1000	-1.90		1060	106.0
Arsenic		1000	-1.80		989	98.9
Barium		500	1.90		490	98.0
Beryllium		500	-0.500		503	100.6
Bismuth		500	-7.50		521	104.2
Boron		500	0.100		533	106.6
Cadmium		1000	-1.70		1100	110.0
Calcium	400000	400000	373000	93.3	388000	97.0
Cerium			26.1		540*	
Chromium		500	0.200		481	96.2
Cobalt		500	0.700		530	106.0
Copper		500	0.00		543	108.6
Iron	200000	200000	185000	92.5	190000	95.0
Lead		1000	2.40		1010	101.0
Lithium		500	-3.60		551	110.2
Magnesium	500000	500000	495000	99.0	505000	101.0
Manganese		500	-6.00		512	102.4
Molybdenum		500	1.60		516	103.2
Nickel		1000	-1.40		1040	104.0
Phosphorus		500	-20.5		524	104.8
Potassium			-113		-126	
Selenium		1000	-1.10		1030	103.0
Silicon		500	-9.40		438	87.6
Silver		1000	0.800		1130	113.0
Sodium			39.6		52.3	
Strontium		500	1.00		501	100.2
Sulfur		500	-28.7		503	100.6
Thallium		1000	2.50		1010	101.0
Tin		500	-2.60		498	99.6
Titanium		500	-1.80		499	99.8
Tungsten		500	-1.20		506	101.2
Vanadium		500	0.800		507	101.4

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 80 to 120 % Recovery Run ID: MA59580 Units: ug/l

Time:			08:03		08:08	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1	
Metal	True	True	Results	% Rec	Results	% Rec
Zinc		1000	2.40		984	98.4
Zirconium		500	2.70		482	96.4

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

QC Batch ID: MP57944
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

Prep Date:				10/14/25		10/14/25	
Metal	RL	IDL	MDL	MB raw	final	MB raw	final
Aluminum	200	17	150				
Antimony	6.0	1.7	4.7				
Arsenic	3.0	1.3	2.8				
Barium	200	.8	13				
Beryllium	1.0	.2	.5				
Bismuth	20	2.1	8.6				
Boron	100	1	10				
Cadmium	3.0	.2	1				
Calcium	5000	6.6	99				
Cerium	100						
Chromium	10	.3	2				
Cobalt	50	.4	2.6				
Copper	10	.8	5.9				
Iron	100	5.3	32	11.5	<100	1.1	<100
Lead	3.0	1.1	1.8				
Lithium	50	3.7	7.3				
Magnesium	5000	32	140				
Manganese	15	.1	1.4	0.20	<15	-0.10	<15
Molybdenum	20	.5	3.6				
Nickel	10	.3	1.7				
Phosphorus	50	1.2	18				
Potassium	10000	77	200				
Selenium	10	2	4.9				
Silicon	200	1.3	32				
Silver	10	.9	6.1				
Sodium	10000	23	570				
Strontium	10	.3	2.7				
Sulfur	50	3	45				
Thallium	10	1.6	1.8				
Tin	10	.8	3.7				
Titanium	10	.5	2.5				
Tungsten	50	2	40				
Vanadium	50	.6	1.8				

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

QC Batch ID: MP57944
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

Prep Date:				10/14/25		10/14/25	
Metal	RL	IDL	MDL	MB raw	final	MB raw	final
Zinc	20	.1	6.9				
Zirconium	10	.3	4.1				

Associated samples MP57944: JE20825-1, JE20825-3, JE20825-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

QC Batch ID: MP57944
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

Prep Date: 10/14/25

Metal	JE20825-1 Original	MS	Spikelot MPSPK2	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic					
Barium					
Beryllium					
Bismuth					
Boron					
Cadmium					
Calcium					
Cerium					
Chromium	anr				
Cobalt					
Copper	anr				
Iron	3000	27500	25000	98.0	75-125
Lead	anr				
Lithium					
Magnesium					
Manganese	152	2080	2000	96.4	75-125
Molybdenum					
Nickel	anr				
Phosphorus					
Potassium	anr				
Selenium					
Silicon					
Silver					
Sodium					
Strontium					
Sulfur					
Thallium					
Tin					
Titanium					
Tungsten					
Vanadium					

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

QC Batch ID: MP57944
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

Prep Date: 10/14/25

Metal	JE20825-1 Original MS	Spikelot MPSPK2	% Rec	QC Limits
Zinc				
Zirconium				

Associated samples MP57944: JE20825-1, JE20825-3, JE20825-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

QC Batch ID: MP57944
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

Prep Date: 10/14/25

Metal	JE20825-1 Original	MSD	Spikelot MPSPK2	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Bismuth						
Boron						
Cadmium						
Calcium						
Cerium						
Chromium	anr					
Cobalt						
Copper	anr					
Iron	3000	27700	25000	98.8	0.7	20
Lead	anr					
Lithium						
Magnesium						
Manganese	152	2090	2000	96.9	0.5	20
Molybdenum						
Nickel	anr					
Phosphorus						
Potassium	anr					
Selenium						
Silicon						
Silver						
Sodium						
Strontium						
Sulfur						
Thallium						
Tin						
Titanium						
Tungsten						
Vanadium						

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

QC Batch ID: MP57944 Methods: SW846 6010D
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 10/14/25

Metal	JE20825-1 Original MSD	Spikelot MPSPK2	% Rec	MSD RPD	QC Limit
Zinc					
Zirconium					

Associated samples MP57944: JE20825-1, JE20825-3, JE20825-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

QC Batch ID: MP57944
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

Prep Date: 10/14/25 10/14/25

Metal	BSP Result	Spikelot MPSPK2	% Rec	QC Limits	BSP Result	Spikelot MPSPK2	% Rec	QC Limits
Aluminum								
Antimony								
Arsenic								
Barium								
Beryllium								
Bismuth								
Boron								
Cadmium								
Calcium								
Cerium								
Chromium	anr							
Cobalt								
Copper	anr							
Iron	25400	25000	101.6	80-120	24900	25000	99.6	80-120
Lead	anr							
Lithium								
Magnesium								
Manganese	2010	2000	100.5	80-120	2000	2000	100.0	80-120
Molybdenum								
Nickel	anr							
Phosphorus								
Potassium	anr							
Selenium								
Silicon								
Silver								
Sodium								
Strontium								
Sulfur								
Thallium								
Tin								
Titanium								
Tungsten								
Vanadium								

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

QC Batch ID: MP57944
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

Prep Date: 10/14/25 10/14/25

Metal	BSP Result	Spikelot MPSPK2	% Rec	QC Limits	BSP Result	Spikelot MPSPK2	% Rec	QC Limits
Zinc								
Zirconium								

Associated samples MP57944: JE20825-1, JE20825-3, JE20825-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

QC Batch ID: MP57944
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

Prep Date:			10/14/25				10/14/25	
Metal	JE20847-4 Original	SDL 1:5	%DIF	QC Limits	JE20825-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum								
Antimony								
Arsenic								
Barium								
Beryllium								
Bismuth								
Boron								
Cadmium								
Calcium								
Cerium								
Chromium	anr							
Cobalt								
Copper	anr							
Iron	0.00	0.00	NC	0-10	3000	3050	1.5	0-10
Lead	anr							
Lithium								
Magnesium								
Manganese	454	453	0.3	0-10	152	151	0.4	0-10
Molybdenum								
Nickel	anr							
Phosphorus								
Potassium	anr							
Selenium								
Silicon								
Silver								
Sodium								
Strontium								
Sulfur								
Thallium								
Tin								
Titanium								
Tungsten								
Vanadium								

SERIAL DILUTION RESULTS SUMMARY

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

QC Batch ID: MP57944
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

Prep Date:	10/14/25			10/14/25		
Metal	JE20847-4 Original SDL 1:5	%DIF	QC Limits	JE20825-1 Original SDL 1:5	%DIF	QC Limits
Zinc						
Zirconium						

Associated samples MP57944: JE20825-1, JE20825-3, JE20825-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

Instrument Detection Limits

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Instrument ID: SSTRACE3 **Effective Date:** 02/11/21

Analyte	IDL ug/l
Aluminum	16.6
Antimony	1.7
Arsenic	2.1
Barium	.8
Beryllium	.3
Bismuth	2.3
Boron	2.3
Cadmium	.3
Calcium	6.6
Chromium	.3
Cobalt	.4
Copper	.8
Iron	5.3
Lead	1.1
Lithium	4.8
Magnesium	32.3
Manganese	.1
Molybdenum	.6
Nickel	.4
Phosphorus	1.2
Potassium	76.5
Selenium	3.2
Silicon	1.7
Silver	1
Sodium	34.4
Sulfur	3
Strontium	.3
Thallium	1.8
Tin	.8
Titanium	.5
Tungsten	2.6
Vanadium	.6
Yttrium	5
Zinc	.1
Zirconium	.3

The above applies to the following instrument runs:
MA59580

Instrument Detection Limits

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Instrument ID: SSTRACE4 **Effective Date:** 02/11/21

Analyte	IDL ug/l
Aluminum	26.5
Antimony	2.2
Arsenic	1.3
Barium	1
Beryllium	.2
Bismuth	2.1
Boron	1
Cadmium	.2
Calcium	7.7
Chromium	.5
Cobalt	.4
Copper	6.8
Iron	14.6
Lead	1.6
Lithium	3.7
Magnesium	53.9
Manganese	.1
Molybdenum	.5
Nickel	.3
Phosphorus	1.8
Potassium	76.8
Selenium	2
Silicon	1.3
Silver	.9
Sodium	23.4
Sulfur	4.1
Strontium	.4
Thallium	1.6
Tin	.9
Titanium	.9
Tungsten	2
Vanadium	.8
Zinc	.2
Zirconium	.5

The above applies to the following instrument runs:
MA59558

Instrument Linear Ranges

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Instrument ID: SSTRACE3 **Effective Date:** 08/22/19

Analyte	Linear Range ug/l
Aluminum	300000
Antimony	8000
Arsenic	8000
Barium	8000
Beryllium	8000
Bismuth	8000
Boron	8000
Cadmium	8000
Calcium	200000
Cerium	8000
Chromium	8000
Cobalt	8000
Copper	8000
Iron	200000
Lead	8000
Lithium	8000
Magnesium	300000
Manganese	8000
Molybdenum	8000
Nickel	8000
Palladium	8000
Phosphorus	8000
Potassium	200000
Selenium	8000
Silicon	25000
Silver	625
Sodium	200000
Sulfur	100000
Strontium	8000
Thallium	8000
Tin	8000
Titanium	8000
Tungsten	8000
Vanadium	8000
Zinc	8000
Zirconium	8000

The above applies to the following instrument runs:
MA59580

Instrument Linear Ranges

Job Number: JE20825
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Instrument ID: SSTRACE4 **Effective Date:** 08/22/19

Analyte	Linear Range ug/l
Aluminum	300000
Antimony	8000
Arsenic	8000
Barium	8000
Beryllium	8000
Bismuth	8000
Boron	8000
Cadmium	8000
Calcium	200000
Cerium	8000
Chromium	8000
Cobalt	8000
Copper	8000
Iron	200000
Lead	8000
Lithium	8000
Magnesium	300000
Manganese	8000
Molybdenum	8000
Nickel	8000
Palladium	8000
Phosphorus	8000
Potassium	200000
Selenium	8000
Silicon	25000
Silver	625
Sodium	200000
Sulfur	100000
Strontium	8000
Thallium	8000
Tin	8000
Titanium	8000
Tungsten	8000
Vanadium	8000
Zinc	8000
Zirconium	8000

The above applies to the following instrument runs:
MA59558

Metals Analysis

Raw Data

Inst QC: MA59558

Zoom In ▶ Zoom Out

Sample Name: STDA Acquired: 10/15/2025 9:59:44 Type: Cal
Method: SGS No Vlave3(v286) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0003**	**.0009**	**.0002**	**.0002**	**.0031**	**.0006**	**.0003**	**.0083**	**.0003**
Stddev	.0000	.0004	.0001	.0000	.0002	.0001	.0002	.0002	.0001
%RSD	5.573	47.55	24.33	20.69	5.551	16.20	47.41	2.264	46.15
#1	-.0003	.0014	.0002	.0003	.0029	.0006	.0002	.0081	.0001
#2	-.0003	.0006	.0003	.0002	.0033	.0006	.0005	.0085	.0004
#3	-.0003	.0007	.0002	.0002	.0030	.0008	.0003	.0082	.0003

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0000**	**-.0002**	**-.0001**	**.0042**	**-.0003**	**.0048**	**.0002**	**-.0001**	**-.0001**
Stddev	.0001	.0000	.0000	.0001	.0001	.0002	.0004	.0001	.0000
%RSD	327.1	16.95	55.91	1.790	28.96	3.962	167.8	90.35	16.77
#1	-.0001	-.0002	-.0001	.0041	-.0002	.0049	.0000	-.0001	-.0001
#2	.0000	-.0002	-.0001	.0042	-.0002	.0050	-.0000	-.0000	-.0001
#3	.0000	-.0002	-.0000	.0042	-.0003	.0046	.0006	-.0002	-.0001

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0001**	**-.0011**	**-.0003**	**-.0001**	**-.0002**	**-.0001**	**-.0003**	**.0001**	**.0028**
Stddev	.0000	.0002	.0000	.0001	.0001	.0000	.0001	.0000	.0001
%RSD	12.25	22.99	9.942	60.88	32.08	11.60	28.24	33.07	2.167
#1	.0002	-.0012	-.0003	-.0001	-.0003	-.0001	-.0002	.0000	.0028
#2	.0001	-.0008	-.0002	-.0001	-.0002	-.0001	-.0004	.0001	.0027
#3	.0001	-.0012	-.0002	-.0000	-.0002	-.0002	-.0003	.0001	.0028

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0001**	**-.0003**	**-.0000**	**-.0001**	**-.0001**	**.0000**	**.0001**	**-.0003**
Stddev	.0001	.0001	.0000	.0000	.0000	.0002	.0001	.0000
%RSD	69.12	45.62	106.6	19.52	19.59	612.5	97.84	11.49
#1	.0001	-.0003	-.0000	-.0001	-.0001	-.0002	-.0000	-.0003
#2	.0001	-.0004	-.0001	-.0000	-.0001	.0003	.0001	-.0003
#3	.0000	-.0001	-.0000	-.0000	-.0001	-.0000	.0002	-.0003

◀ Zoom In ▶ Zoom Out

Sample Name: STDA Acquired: 10/15/2025 9:59:44 Type: Cal
Method: SGS No Vlave3(v286) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**21404.**	**254440.**	**38132.**	**10481.**
Stddev	68.	2318.	119.	36.
%RSD	.31746	.91104	.31136	.34486
#1	21481.	256570.	38083.	10522.
#2	21379.	254770.	38047.	10468.
#3	21352.	251970.	38268.	10454.

◀ Zoom In ▶ Zoom Out

Sample Name: STDB Acquired: 10/15/2025 10:04:44 Type: Cal
Method: SGS No Vlave3(v286) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0724**	**2.587**	**.4464**	**.7463**	**6.962**	**11.72**	**.7835**	**8.111**	**4.073**
Stddev	.0004	.002	.0003	.0012	.177	.08	.0011	.115	.006
%RSD	.5917	.0731	.0683	.1545	2.550	.6649	.1386	1.418	.1458
#1	.0729	2.585	.4465	.7454	6.771	11.63	.7824	8.015	4.069
#2	.0724	2.587	.4460	.7460	7.122	11.77	.7834	8.239	4.070
#3	.0720	2.588	.4466	.7476	6.994	11.76	.7846	8.081	4.080

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.1104**	**2.512**	**.5947**	**.7944**	**4.812**	**1.184**	**1.057**	**.9001**	**3.168**
Stddev	.0006	.003	.0021	.0051	.004	.001	.001	.0019	.027
%RSD	.5291	.1021	.3491	.6429	.0800	.0650	.1045	.2161	.8424
#1	.1110	2.510	.5970	.7998	4.815	1.183	1.058	.8980	3.172
#2	.1104	2.512	.5940	.7938	4.808	1.184	1.057	.9002	3.192
#3	.1099	2.515	.5930	.7896	4.814	1.183	1.056	.9019	3.139

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2.920**	**3.632**	**1.854**	**.4041**	**.8687**	**.2159**	**.5627**	**.3146**	**1.994**
Stddev	.003	.004	.001	.0008	.0005	.0001	.0006	.0003	.002
%RSD	.1095	.1232	.0769	.1876	.0616	.0603	.1127	.1108	.0810
#1	2.919	3.627	1.852	.4041	.8687	.2159	.5626	.3144	1.993
#2	2.917	3.636	1.854	.4033	.8682	.2158	.5622	.3144	1.993
#3	2.924	3.633	1.855	.4048	.8693	.2161	.5634	.3150	1.996

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.7044**	**13.88**	**.7045**	**.1922**	**.7786**	**1.596**	**5.161**	**1.389**
Stddev	.0016	.17	.0022	.0004	.0035	.003	.013	.014
%RSD	.2301	1.220	.3133	.1939	.4483	.1719	.2493	1.019
#1	.7045	13.70	.7069	.1918	.7822	1.595	5.160	1.372
#2	.7028	14.04	.7042	.1921	.7782	1.595	5.149	1.398
#3	.7060	13.91	.7025	.1926	.7753	1.599	5.174	1.396

◀ Zoom In ▶ Zoom Out

Sample Name: STDB Acquired: 10/15/2025 10:04:44 Type: Cal
Method: SGS No Vlave3(v286) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**19277.**	**235530.**	**37446.**	**9930.8**
Stddev	46.	827.	410.	37.1
%RSD	.23861	.35111	1.0948	.37399
#1	19277.	234750.	37890.	9927.4
#2	19323.	235440.	37365.	9969.5
#3	19231.	236390.	37083.	9895.4

Inst QC: MA59558

Zoom In Zoom Out

Sample Name: SAMPLECONF Acquired: 10/15/2025 10:10:23 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2592**	**40.05**	**1.985**	**2.057**	**2.027**	**2.052**	**2.022**	**40.06**	**2.031**
Stddev	.0023	.01	.005	.003	.002	.035	.005	.03	.005
%RSD	.8699	.0281	.2615	.1458	.1169	1.692	.2384	.0630	.2559
#1	.2615	40.05	1.983	2.054	2.030	2.063	2.019	40.05	2.027
#2	.2570	40.07	1.982	2.055	2.025	2.080	2.021	40.09	2.030
#3	.2592	40.04	1.991	2.060	2.027	2.013	2.028	40.04	2.037

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.039**	**2.032**	**2.034**	**2.016**	**40.01**	**39.76**	**2.106**	**40.40**	**2.048**
Stddev	.017	.003	.015	.021	.02	.05	.002	.09	.019
%RSD	.8430	.1383	.7117	1.059	.0485	.1324	.1037	.2221	.9373
#1	2.058	2.032	2.049	2.039	40.00	39.74	2.106	40.39	2.065
#2	2.024	2.030	2.020	1.997	40.04	39.82	2.108	40.50	2.051
#3	2.034	2.036	2.032	2.012	40.01	39.73	2.103	40.32	2.027

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.007**	**40.20**	**2.046**	**2.042**	**2.039**	**2.009**	**2.028**	**2.052**	**5.054**
Stddev	.004	.04	.001	.006	.001	.004	.007	.005	.006
%RSD	.1864	.1060	.0512	.3126	.0304	.2183	.3370	.2683	.1195
#1	2.005	40.21	2.046	2.038	2.039	2.010	2.022	2.053	5.050
#2	2.005	40.24	2.045	2.039	2.040	2.004	2.028	2.046	5.052
#3	2.012	40.16	2.047	2.049	2.039	2.013	2.035	2.057	5.061

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.045**	**2.012**	**1.995**	**2.059**	**2.022**	**1.978**	**2.060**	**2.038**
Stddev	.006	.016	.014	.001	.017	.003	.002	.015
%RSD	.2919	.7809	.6787	.0331	.8568	.1639	.1052	.7201
#1	2.039	2.002	2.009	2.059	2.040	1.975	2.059	2.053
#2	2.044	2.030	1.982	2.059	2.006	1.978	2.058	2.025
#3	2.051	2.004	1.994	2.060	2.021	1.981	2.062	2.035

Zoom In Zoom Out

Sample Name: SAMPLECONF Acquired: 10/15/2025 10:10:23 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**19933.**	**243270.**	**38041.**	**10188.**
Stddev	21.	2028.	388.	21.
%RSD	.10728	.83359	1.0202	.20239
#1	19957.	240980.	38217.	10211.
#2	19916.	244840.	37596.	10185.
#3	19926.	243990.	38310.	10170.

Zoom In Zoom Out

Sample Name: ICV Acquired: 10/15/2025 10:20:00 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2575**	**39.99**	**1.989**	**2.055**	**2.027**	**2.040**	**2.024**	**40.04**	**2.033**
Stddev	.0021	.07	.003	.003	.004	.040	.004	.01	.005
%RSD	.7999	.1840	.1664	.1571	.1844	1.955	.1853	.0184	.2364
#1	.2560	40.04	1.986	2.054	2.024	2.068	2.024	40.03	2.030
#2	.2599	39.90	1.988	2.053	2.025	1.994	2.020	40.04	2.030
#3	.2567	40.02	1.992	2.059	2.031	2.057	2.027	40.04	2.038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.020**	**2.033**	**2.012**	**1.999**	**39.97**	**39.74**	F **2.105**	**40.37**	**2.035**
Stddev	.014	.003	.020	.013	.03	.08	.005	.06	.013
%RSD	.6963	.1315	1.010	.6606	.0855	.2030	.2356	.1566	.6196
#1	2.009	2.030	1.998	1.990	39.98	39.70	2.103	40.44	2.021
#2	2.036	2.033	2.035	2.014	39.94	39.69	2.101	40.33	2.039
#3	2.015	2.036	2.002	1.992	40.00	39.83	2.111	40.33	2.045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value							2.000		
Range							5.000%		

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.008**	**40.14**	**2.048**	**2.043**	**2.041**	**2.016**	**2.027**	**2.052**	**5.056**
Stddev	.004	.06	.003	.006	.003	.007	.006	.004	.007
%RSD	.1930	.1474	.1431	.2765	.1559	.3501	.2827	.1929	.1487
#1	2.005	40.11	2.045	2.040	2.038	2.016	2.023	2.049	5.053
#2	2.006	40.11	2.048	2.040	2.041	2.009	2.023	2.052	5.050
#3	2.012	40.21	2.051	2.050	2.045	2.023	2.033	2.057	5.064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ICV Acquired: 10/15/2025 10:20:00 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.047**	**2.011**	**1.972**	**2.064**	**2.004**	**1.976**	**2.064**	**2.011**
Stddev	.007	.033	.019	.006	.018	.004	.006	.020
%RSD	.3204	1.658	.9697	.3092	.9239	.2129	.2806	.9730
#1	2.043	2.048	1.957	2.056	1.992	1.974	2.059	1.996
#2	2.045	2.002	1.993	2.067	2.025	1.973	2.063	2.033
#3	2.055	1.983	1.964	2.067	1.994	1.981	2.070	2.003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**19892.**	**245000.**	**37931.**	**10165.**
Stddev	47.	2929.	201.	36.
%RSD	.23746	1.1956	.52872	.35542
#1	19933.	246270.	37781.	10191.
#2	19902.	241650.	38159.	10180.
#3	19840.	247090.	37854.	10124.

Zoom In Zoom Out

Sample Name: ICB Acquired: 10/15/2025 10:28:14 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0082**	**.0000**	**.0048**	**.0004**	**.0003**	**.0001**	**.0076**	**.0004**
Stddev	.0001	.0126	.0005	.0005	.0001	.0000	.0006	.0014	.0002
%RSD	34.27	153.0	1608.	9.860	32.83	13.04	607.0	18.76	46.42
#1	.0001	.0122	-.0005	.0052	.0004	.0004	-.0005	.0083	.0006
#2	.0002	-.0059	.0003	.0043	.0003	.0003	.0004	.0086	.0004
#3	.0002	.0183	.0003	.0048	.0005	.0004	.0004	.0060	.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**.0002**	**.0005**	**.0007**	**.0087**	**.0417**	**.0020**	**.0155**	**.0005**
Stddev	.0011	.0002	.0002	.0004	.0007	.0207	.0019	.0049	.0001
%RSD	488.1	79.85	41.16	59.42	8.257	49.63	91.71	31.56	19.21
#1	-.0014	.0005	.0004	.0011	.0095	.0361	-.0001	.0101	.0006
#2	.0000	.0002	.0003	.0009	.0081	.0244	.0035	.0167	.0005
#3	.0007	.0001	.0007	.0003	.0085	.0647	.0027	.0197	.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0175**	**.0004**	**-.0004**	**.0003**	**-.0010**	**.0025**	**.0011**	**.0020**
Stddev	.0002	.0045	.0001	.0005	.0010	.0010	.0003	.0006	.0022
%RSD	63.16	25.42	31.68	116.8	288.8	97.17	10.49	53.15	113.2
#1	.0004	.0224	.0005	-.0006	.0005	-.0001	.0025	.0005	.0008
#2	.0006	.0137	.0004	.0001	.0012	-.0020	.0023	.0011	.0006
#3	.0001	.0164	.0002	-.0007	-.0007	-.0009	.0028	.0017	.0046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ICB Acquired: 10/15/2025 10:28:14 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0004**	**.0005**	**.0002**	**.0004**	**.0005**	**.0002**	**.0006**
Stddev	.0002	.0000	.0001	.0005	.0002	.0006	.0002	.0002
%RSD	162.4	12.71	13.00	209.7	38.91	127.7	78.18	27.85
#1	.0004	.0004	.0005	.0001	.0006	.0001	.0004	.0008
#2	-.0001	.0003	.0005	.0008	.0004	.0012	.0001	.0006
#3	.0002	.0004	.0006	-.0002	.0003	.0002	.0001	.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**21390.**	**250270.**	**38393.**	**10463.**
Stddev	42.	1381.	117.	19.
%RSD	.19790	.55174	.30377	.17915
#1	21409.	249450.	38501.	10481.
#2	21341.	251870.	38269.	10444.
#3	21419.	249500.	38409.	10465.

Zoom In Zoom Out

Sample Name: ICCV Acquired: 10/15/2025 10:33:36 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2469**	**40.11**	**2.017**	**2.040**	**2.032**	**2.082**	**2.010**	**40.48**	**2.037**
Stddev	.0023	.04	.002	.001	.002	.023	.003	.02	.002
%RSD	.9338	.0907	.0876	.0581	.1166	1.091	.1561	.0414	.0728
#1	.2484	40.12	2.018	2.040	2.034	2.056	2.012	40.47	2.035
#2	.2455	40.12	2.014	2.039	2.030	2.074	2.011	40.46	2.037
#3	.2493	40.13	2.018	2.041	2.033	2.088	2.011	40.50	2.039
#4	.2444	40.05	2.018	2.039	2.030	2.110	2.005	40.48	2.037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.022**	**2.029**	**2.036**	**2.003**	**40.63**	**40.27**	**2.030**	**40.32**	**2.056**
Stddev	.017	.001	.019	.022	.02	.07	.004	.07	.009
%RSD	.8366	.0358	.9474	1.118	.0552	.1821	.1854	.1734	.4518
#1	2.030	2.028	2.044	2.017	40.65	40.22	2.036	40.22	2.060
#2	2.012	2.029	2.027	1.989	40.61	40.38	2.029	40.36	2.061
#3	2.042	2.029	2.059	2.027	40.65	40.24	2.030	40.35	2.062
#4	2.005	2.030	2.015	1.980	40.61	40.24	2.027	40.36	2.042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.033**	**40.42**	**2.048**	**2.041**	**2.038**	**2.004**	**2.027**	**2.038**	**4.995**
Stddev	.002	.03	.000	.005	.004	.003	.002	.004	.004
%RSD	.0822	.0750	.0141	.2527	.1910	.1421	.1115	.1800	.0731
#1	2.033	40.44	2.048	2.037	2.032	2.005	2.027	2.041	4.998
#2	2.033	40.43	2.048	2.038	2.037	2.001	2.025	2.037	4.990
#3	2.036	40.44	2.048	2.048	2.039	2.008	2.030	2.042	4.998
#4	2.032	40.38	2.049	2.041	2.041	2.003	2.026	2.034	4.995
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ICCV Acquired: 10/15/2025 10:33:36 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.061**	**2.008**	**2.021**	**2.068**	**2.024**	**1.998**	**2.063**	**2.026**
Stddev	.003	.027	.018	.003	.017	.001	.004	.017
%RSD	.1643	1.351	.8658	.1586	.8199	.0640	.2020	.8397
#1	2.057	2.025	2.028	2.070	2.030	1.997	2.057	2.032
#2	2.061	2.023	2.013	2.064	2.014	1.998	2.064	2.017
#3	2.065	1.968	2.042	2.066	2.044	1.999	2.066	2.046
#4	2.062	2.017	2.002	2.071	2.008	1.999	2.066	2.007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**19892.**	**243020.**	**37932.**	**10138.**
Stddev	74.	1678.	116.	47.
%RSD	.36991	.69061	.30689	.46000
#1	20002.	242690.	38094.	10208.
#2	19844.	244250.	37861.	10114.
#3	19867.	240780.	37835.	10111.
#4	19856.	244380.	37938.	10119.

Zoom In Zoom Out

Sample Name: CCB Acquired: 10/15/2025 10:44:18 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0233**	**.0006**	**.0057**	**.0010**	**.0008**	**-.0008**	**.0151**	**.0004**
Stddev	.0004	.0031	.0003	.0006	.0002	.0001	.0009	.0021	.0002
%RSD	146.1	13.26	62.17	9.706	20.32	16.43	109.5	14.07	39.46
#1	.0007	.0260	.0002	.0063	.0012	.0010	.0002	.0175	.0005
#2	.0001	.0199	.0005	.0055	.0011	.0008	-.0010	.0142	.0005
#3	.0000	.0241	.0009	.0053	.0008	.0007	-.0015	.0136	.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0006**	**.0003**	**.0012**	**.0006**	**.0159**	**.0777**	**.0023**	**.0225**	**.0011**
Stddev	.0026	.0000	.0003	.0003	.0036	.0168	.0005	.0095	.0002
%RSD	407.7	11.70	21.74	46.29	22.48	21.68	22.88	42.32	18.73
#1	-.0022	.0004	.0012	.0004	.0200	.0958	.0017	.0124	.0012
#2	-.0020	.0003	.0015	.0008	.0145	.0626	.0025	.0313	.0013
#3	.0023	.0004	.0009	.0005	.0133	.0746	.0027	.0239	.0009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007**	**.0422**	**.0005**	**.0003**	**.0004**	**.0011**	**.0007**	**.0026**	**.0020**
Stddev	.0001	.0045	.0001	.0012	.0005	.0015	.0000	.0018	.0006
%RSD	12.37	10.76	24.23	394.4	135.4	127.9	.5505	69.44	31.52	
#1	.0008	.0472	.0007	-.0003	-.0002	-.0004	.0006	.0040	.0013
#2	.0007	.0411	.0005	.0017	.0008	.0025	.0007	.0033	.0026
#3	.0006	.0383	.0004	-.0004	.0004	.0013	.0006	.0006	.0021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: CCB Acquired: 10/15/2025 10:44:18 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0010**	**.0009**	**.0010**	**-.0001**	**.0011**	**.0007**	**.0005**	**.0010**
Stddev	.0006	.0001	.0000	.0005	.0002	.0006	.0000	.0001
%RSD	57.57	16.49	.0753	935.6	21.32	93.75	3.302	13.64
#1	.0013	.0011	.0010	-.0006	.0013	.0008	.0005	.0009
#2	.0003	.0008	.0010	.0001	.0012	-.0000	.0004	.0012
#3	.0013	.0008	.0010	.0004	.0008	.0013	.0005	.0010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**21401.**	**253850.**	**38516.**	**10441.**
Stddev	15.	1540.	130.	15.
%RSD	.07089	.60662	.33692	.14710
#1	21384.	254720.	38432.	10423.
#2	21410.	254760.	38451.	10449.
#3	21410.	252070.	38665.	10450.

Zoom In Zoom Out

Sample Name: CRI Acquired: 10/15/2025 10:48:30 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0059**	**.2210**	**.0090**	**.1078**	**.2057**	**F .0027**	**.0219**	**5.156**	**.0035**
Stddev	.0003	.0065	.0004	.0005	.0003	.0001	.0007	.007	.0001
%RSD	4.255	2.932	4.055	.4446	.1399	3.956	3.320	.1426	1.778
#1	.0062	.2195	.0089	.1073	.2054	.0028	.0218	5.156	.0035
#2	.0058	.2281	.0094	.1078	.2058	.0028	.0227	5.163	.0035
#3	.0058	.2154	.0087	.1082	.2059	.0026	.0212	5.148	.0034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value						.0020			
Range						20.00%			

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0008**	**.0507**	**.0109**	**.0101**	**.1186**	**5.147**	**.0546**	**5.255**	**.0164**
Stddev	.0011	.0000	.0002	.0002	.0013	.011	.0018	.007	.0001
%RSD	140.3	.0272	1.393	1.747	1.094	.2184	3.347	.1413	.6046
#1	.0001	.0507	.0111	.0099	.1200	5.144	.0565	5.263	.0163
#2	-.0004	.0507	.0109	.0102	.1180	5.137	.0543	5.249	.0163
#3	-.0020	.0507	.0108	.0102	.1176	5.159	.0529	5.253	.0165
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0217**	**5.265**	**.0110**	**.0509**	**F .0038**	**.0517**	**F .0075**	**.0114**	**.2060**
Stddev	.0002	.014	.0002	.0001	.0003	.0017	.0005	.0021	.0004
%RSD	.9975	.2625	1.384	.1239	8.262	3.262	6.291	18.09	.2146
#1	.0217	5.263	.0109	.0510	.0035	.0501	.0078	.0104	.2055
#2	.0215	5.280	.0109	.0510	.0039	.0535	.0078	.0138	.2062
#3	.0219	5.252	.0112	.0509	.0041	.0513	.0070	.0101	.2063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value					.0030		.0060		
Range					20.00%		20.00%		

Zoom In Zoom Out

Sample Name: CRI Acquired: 10/15/2025 10:48:30 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0105**	**.0109**	**.0106**	**.0099**	**.0524**	**.0512**	**.0223**	**.0108**
Stddev	.0002	.0002	.0002	.0004	.0005	.0003	.0001	.0001
%RSD	1.445	1.420	1.447	3.996	.9555	.5200	.4169	1.090
#1	.0105	.0110	.0107	.0104	.0521	.0509	.0222	.0106
#2	.0107	.0110	.0106	.0098	.0521	.0515	.0224	.0108
#3	.0104	.0108	.0104	.0096	.0530	.0511	.0224	.0108
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**21141.**	**250470.**	**38226.**	**10358.**
Stddev	48.	3147.	237.	36.
%RSD	.22590	1.2565	.62003	.34936
#1	21137.	253270.	37956.	10370.
#2	21191.	251070.	38323.	10386.
#3	21096.	247060.	38400.	10317.

Inst QC: MA59558

Zoom In Zoom Out

Sample Name: CRID Acquired: 10/15/2025 10:53:27 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**.1096**	**.0031**	**.0040**	**.0042**	**.0012**	**.0000**	**1.047**	F **.0012**
Stddev	.0005	.0039	.0005	.0008	.0001	.0000	.0009	.001	.0000
%RSD	3936.	3.563	15.32	20.78	1.743	2.005	3263.	.0728	3.967
#1	-.0002	.1127	.0025	.0047	.0043	.0011	.0008	1.047	.0013
#2	-.0003	.1107	.0033	.0042	.0042	.0011	.0002	1.046	.0012
#3	.0005	.1052	.0034	.0031	.0043	.0012	-.0010	1.048	.0012
Check ?	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail
Value									.0010
Range									20.00%

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0026**	**.0033**	**.0024**	**-.0000**	**.0039**	**2.094**	**.0015**	**.1199**	**.0034**
Stddev	.0009	.0000	.0001	.0003	.0008	.004	.0010	.0062	.0000
%RSD	32.49	.9703	2.434	952.2	20.02	.1734	64.57	5.175	1.318
#1	-.0034	.0033	.0023	-.0002	.0031	2.097	.0026	.1264	.0034
#2	-.0017	.0032	.0024	-.0002	.0041	2.096	.0013	.1140	.0034
#3	-.0028	.0033	.0024	.0003	.0046	2.090	.0007	.1195	.0033
Check ?	None	Chk Pass	Chk Pass	None	None	Chk Pass	None	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**1.067**	**.0043**	**-.0001**	**.0011**	**-.0012**	**.0001**	**.0057**	**-.0022**
Stddev	.0001	.003	.0001	.0005	.0003	.0004	.0004	.0012	.0010
%RSD	26.63	.2996	2.113	467.1	25.47	36.16	322.3	20.43	46.19
#1	.0003	1.066	.0044	-.0005	.0014	-.0016	-.0003	.0069	-.0028
#2	.0004	1.071	.0044	.0005	.0011	-.0012	.0004	.0057	-.0010
#3	.0004	1.065	.0042	-.0003	.0009	-.0007	.0003	.0046	-.0028
Check ?	None	Chk Pass	Chk Pass	None	None	None	None	Chk Pass	None
Value									
Range									

Zoom In Zoom Out

Sample Name: CRID Acquired: 10/15/2025 10:53:27 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**.0001**	**.0002**	**.0022**	**.0023**	**.0009**	**.0119**	**.0002**
Stddev	.0003	.0001	.0001	.0002	.0001	.0006	.0000	.0001
%RSD	2827.	62.83	31.97	10.33	3.047	66.80	.3267	28.78
#1	.0001	.0001	.0003	.0024	.0023	.0006	.0120	.0002
#2	.0002	.0001	.0002	.0022	.0023	.0004	.0119	.0002
#3	-.0003	.0002	.0002	.0020	.0022	.0015	.0120	.0003
Check ?	None	None	None	Chk Pass	Chk Pass	None	Chk Pass	None
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**21447.**	**251580.**	**38199.**	**10453.**
Stddev	34.	1085.	195.	23.
%RSD	.15712	.43126	.51061	.22318
#1	21442.	252830.	38154.	10438.
#2	21416.	250920.	38031.	10442.
#3	21483.	250980.	38413.	10480.

Zoom In Zoom Out

Sample Name: ICSA Acquired: 10/15/2025 10:58:27 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0013**	**494.7**	**-.0019**	**.0014**	**-.0065**	**.0004**	**.0022**	**376.1**	**-.0025**
Stddev	.0001	5.6	.0010	.0018	.0002	.0000	.0009	3.2	.0003
%RSD	6.268	1.129	52.64	130.7	2.422	3.290	40.54	.8570	10.64
#1	.0012	500.4	-.0021	.0015	-.0067	.0004	.0012	379.8	-.0029
#2	.0013	494.5	-.0027	.0031	-.0064	.0004	.0030	374.1	-.0024
#3	.0013	489.3	-.0008	-.0005	-.0064	.0004	.0024	374.3	-.0023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0056**	**-.0023**	**.0002**	**-.0023**	**188.3**	**.1143**	**.0021**	**492.2**	**-.0021**
Stddev	.0048	.0003	.0005	.0006	1.7	.0168	.0012	.9	.0000
%RSD	86.20	11.44	215.6	26.07	.8837	14.68	54.93	.1792	.9843
#1	.0111	-.0026	.0006	-.0026	190.0	.1310	.0028	493.2	-.0021
#2	.0035	-.0023	-.0003	-.0016	188.2	.1143	.0028	491.6	-.0021
#3	.0022	-.0021	.0003	-.0026	186.6	.0974	.0008	491.9	-.0021
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0050**	**.0515**	**.0009**	**-.0123**	**-.0023**	**-.0094**	**-.0045**	**.0020**	**.0027**
Stddev	.0002	.0101	.0003	.0007	.0011	.0022	.0010	.0022	.0018
%RSD	4.858	19.64	28.54	5.759	47.10	23.20	22.56	109.8	65.35
#1	-.0050	.0624	.0006	-.0128	-.0021	-.0106	-.0034	.0030	.0010
#2	-.0048	.0496	.0010	-.0115	-.0035	-.0106	-.0054	.0035	.0046
#3	-.0053	.0424	.0010	-.0124	-.0014	-.0069	-.0047	-.0005	.0026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ICSA Acquired: 10/15/2025 10:58:27 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0009**	**-.0008**	**-.0006**	**.0017**	**-.0021**	**-.0008**	**-.0031**	**.0007**
Stddev	.0005	.0001	.0001	.0016	.0002	.0012	.0001	.0001
%RSD	53.51	16.06	9.785	94.27	8.114	160.6	4.697	18.19
#1	-.0008	-.0009	-.0006	.0028	-.0023	-.0007	-.0033	.0008
#2	-.0014	-.0006	-.0007	.0024	-.0020	-.0020	-.0031	.0007
#3	-.0005	-.0008	-.0006	-.0001	-.0021	.0004	-.0030	.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**18115.**	**218010.**	**37024.**	**9398.3**
Stddev	34.	731.	182.	21.5
%RSD	.18765	.33535	.49047	.22895
#1	18154.	217970.	36900.	9422.5
#2	18100.	217300.	37233.	9381.3
#3	18091.	218760.	36941.	9391.2

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 10/15/2025 11:03:45 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.135**	**497.3**	**.9880**	**.4971**	**.4921**	**.4927**	**.4985**	**369.5**	**1.019**
Stddev	.014	2.9	.0021	.0012	.0005	.0002	.0012	5.9	.002
%RSD	1.217	.5808	.2119	.2350	.1101	.0402	.2366	1.603	.1723
#1	1.149	494.4	.9863	.4963	.4920	.4929	.4989	375.6	1.018
#2	1.121	497.3	.9875	.4985	.4916	.4925	.4971	363.8	1.018
#3	1.134	500.2	.9903	.4966	.4927	.4928	.4994	369.2	1.021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5106**	**.4787**	**.4791**	**.5234**	**187.8**	**.1095**	**.5451**	**486.3**	**.5103**
Stddev	.0058	.0004	.0061	.0043	4.5	.0232	.0027	.3	.0064
%RSD	1.126	.0761	1.279	.8267	2.374	21.23	.4999	.0572	1.259
#1	.5168	.4785	.4856	.5280	184.2	.1280	.5422	486.1	.5171
#2	.5054	.4785	.4734	.5194	186.3	.1171	.5476	486.0	.5044
#3	.5096	.4791	.4783	.5227	192.8	.0834	.5455	486.6	.5093
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4780**	**.0354**	**.9745**	**.5050**	**.9257**	**.4773**	**1.001**	**.9891**	**.4864**
Stddev	.0011	.0116	.0013	.0009	.0003	.0018	.003	.0059	.0008
%RSD	.2276	32.60	.1317	.1742	.0361	.3748	.2592	.6009	.1572
#1	.4779	.0467	.9742	.5041	.9255	.4779	.9991	.9901	.4858
#2	.4769	.0361	.9734	.5059	.9261	.4753	1.000	.9828	.4862
#3	.4790	.0236	.9759	.5049	.9256	.4787	1.004	.9946	.4873
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 10/15/2025 11:03:45 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4667**	**.4941**	**.4938**	**.9527**	**.4999**	**.4641**	**.9346**	**.4914**
Stddev	.0012	.0003	.0059	.0023	.0060	.0018	.0009	.0058
%RSD	.2669	.0507	1.202	.2448	1.193	.3977	.0980	1.176
#1	.4674	.4938	.5003	.9500	.5063	.4653	.9353	.4976
#2	.4653	.4943	.4886	.9536	.4946	.4620	.9336	.4862
#3	.4676	.4942	.4927	.9545	.4988	.4651	.9348	.4904
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**18169.**	**215590.**	**36833.**	**9431.6**
Stddev	21.	3003.	78.	19.8
%RSD	.11787	1.3931	.21255	.20951
#1	18145.	212370.	36890.	9408.8
#2	18178.	218320.	36865.	9443.1
#3	18185.	216080.	36743.	9442.8

Zoom In Zoom Out

Sample Name: HSTD Acquired: 10/15/2025 11:09:02 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6480**	**.0632**	**7.784**	**7.828**	**7.709**	**7.762**	**8.104**	**.0098**	**7.807**
Stddev	.0074	.0377	.009	.011	.136	.215	.008	.0307	.007
%RSD	1.148	59.59	.1114	.1359	1.763	2.770	.0938	312.8	.0860
#1	.6465	.0241	7.783	7.824	7.759	7.553	8.108	-.0189	7.803
#2	.6415	.0993	7.776	7.820	7.814	7.982	8.095	.0421	7.803
#3	.6561	.0663	7.793	7.840	7.556	7.753	8.109	.0062	7.815
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0060**	**7.795**	**7.973**	**7.724**	**.0250**	**.3426**	**7.948**	**.4279**	**7.916**
Stddev	.0024	.007	.043	.075	.0142	.0200	.007	.0284	.060
%RSD	39.40	.0881	.5435	.9751	56.69	5.825	.0927	6.628	.7544
#1	.0044	7.789	8.022	7.755	.0110	.3618	7.956	.4023	7.909
#2	.0087	7.794	7.939	7.638	.0393	.3220	7.942	.4584	7.860
#3	.0049	7.803	7.959	7.779	.0247	.3440	7.947	.4230	7.979
Check ?	None	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass	None	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.941**	**.1319**	**7.838**	**7.825**	**7.909**	**97.65**	**7.947**	**7.875**	**25.58**
Stddev	.008	.0118	.005	.005	.006	.10	.008	.008	.04
%RSD	.0985	8.949	.0633	.0705	.0751	.1063	.0987	.1041	.1497
#1	7.938	.1303	7.837	7.827	7.903	97.66	7.947	7.872	25.57
#2	7.936	.1210	7.834	7.819	7.909	97.54	7.939	7.869	25.54
#3	7.950	.1445	7.844	7.830	7.914	97.75	7.955	7.884	25.62
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: HSTD Acquired: 10/15/2025 11:09:02 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.128**	**7.669**	**7.954**	**7.969**	**7.943**	**8.033**	**8.042**	**7.844**
Stddev	.010	.043	.111	.013	.067	.011	.012	.060
%RSD	.1257	.5568	1.390	.1595	.8486	.1383	.1521	.7718
#1	8.118	7.628	7.895	7.973	7.905	8.024	8.031	7.776
#2	8.128	7.713	7.885	7.955	7.904	8.029	8.040	7.864
#3	8.138	7.667	8.081	7.980	8.021	8.045	8.055	7.892
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**21094.**	**247820.**	**38654.**	**10274.**
Stddev	52.	2214.	245.	27.
%RSD	.24465	.89328	.63406	.26139
#1	21149.	248170.	38396.	10303.
#2	21046.	249840.	38683.	10251.
#3	21087.	245460.	38883.	10267.

Zoom In Zoom Out

Sample Name: HSTD Acquired: 10/15/2025 11:15:10 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0011**	**292.9**	**-.0000**	**.0162**	**-.0026**	**.0017**	**.0036**	**187.5**	**.0005**
Stddev	.0002	2.4	.0007	.0010	.0001	.0001	.0005	3.0	.0002
%RSD	17.77	.8351	5229.	6.180	2.870	4.063	13.30	1.617	32.66
#1	.0010	290.1	-.0007	.0165	-.0026	.0017	.0041	185.4	.0004
#2	.0010	293.8	.0007	.0169	-.0027	.0017	.0034	186.1	.0004
#3	.0014	294.7	-.0001	.0150	-.0025	.0016	.0033	191.0	.0007
Check ?	None	Chk Pass	None	None	None	None	None	Chk Pass	None
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0088**	**.0016**	**.0015**	**.0012**	**186.6**	**195.2**	**.0148**	**293.4**	**-.0001**
Stddev	.0021	.0003	.0002	.0009	2.0	.1	.0017	.7	.0001
%RSD	24.09	20.94	10.66	73.04	1.078	.0263	11.19	.2386	52.64
#1	.0112	.0018	.0013	.0002	184.2	195.1	.0139	294.2	-.0001
#2	.0073	.0012	.0015	.0017	187.7	195.2	.0137	292.8	-.0002
#3	.0077	.0018	.0016	.0017	187.7	195.2	.0167	293.2	-.0001
Check ?	None	None	None	None	Chk Pass	Chk Pass	None	Chk Pass	None
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**196.0**	**.0029**	**-.0042**	**.0015**	**.0137**	**.0080**	**.0072**	**.0319**
Stddev	.0003	.6	.0002	.0005	.0016	.0005	.0009	.0010	.0027
%RSD	125.5	.3250	7.800	11.13	106.7	3.595	11.10	13.34	8.427
#1	-.0003	195.9	.0027	-.0047	-.0003	.0142	.0070	.0083	.0337
#2	.0001	196.7	.0031	-.0039	.0029	.0132	.0088	.0071	.0331
#3	-.0005	195.4	.0029	-.0041	.0019	.0137	.0083	.0063	.0288
Check ?	None	Chk Pass	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: HSTD Acquired: 10/15/2025 11:15:10 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0005**	**.0007**	**.0012**	**.0055**	**-.0007**	**-.0009**	**-.0006**	**.0019**
Stddev	.0004	.0000	.0003	.0003	.0001	.0009	.0001	.0001
%RSD	66.35	4.011	27.52	5.189	13.19	97.60	13.59	6.674
#1	-.0009	.0006	.0010	.0053	-.0006	-.0004	-.0005	.0020
#2	-.0002	.0006	.0009	.0054	-.0008	-.0020	-.0006	.0018
#3	-.0006	.0007	.0015	.0058	-.0008	-.0004	-.0005	.0018
Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**18165.**	**222260.**	**36762.**	**9494.7**
Stddev	28.	3673.	83.	23.6
%RSD	.15502	1.6525	.22660	.24846
#1	18170.	219540.	36683.	9503.5
#2	18190.	226440.	36849.	9512.6
#3	18134.	220810.	36754.	9468.0

Zoom In Zoom Out

Sample Name: CCV Acquired: 10/15/2025 11:20:40 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2489**	**40.27**	**2.024**	**2.051**	**2.032**	**2.061**	**2.023**	**40.49**	**2.044**
Stddev	.0033	.03	.001	.002	.002	.069	.003	.02	.003
%RSD	1.310	.0822	.0643	.0713	.0760	3.341	.1314	.0373	.1241
#1	.2524	40.30	2.023	2.050	2.031	2.126	2.020	40.50	2.042
#2	.2484	40.27	2.024	2.051	2.031	2.067	2.024	40.47	2.044
#3	.2459	40.23	2.026	2.053	2.034	1.989	2.025	40.48	2.047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.037**	**2.034**	**2.057**	**2.015**	**40.63**	**40.49**	**2.031**	**40.38**	**2.067**
Stddev	.028	.002	.031	.028	.04	.03	.003	.07	.034
%RSD	1.361	.1117	1.488	1.370	.1032	.0650	.1475	.1738	1.623
#1	2.067	2.032	2.090	2.046	40.67	40.52	2.029	40.46	2.104
#2	2.030	2.034	2.050	2.007	40.61	40.47	2.030	40.36	2.059
#3	2.013	2.036	2.030	1.992	40.60	40.48	2.035	40.33	2.038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.041**	**40.75**	**2.053**	**2.049**	**2.041**	**2.026**	**2.039**	**2.050**	**5.031**
Stddev	.003	.02	.002	.001	.002	.005	.003	.002	.003
%RSD	.1202	.0601	.0854	.0552	.1089	.2315	.1460	.1069	.0676
#1	2.040	40.72	2.053	2.048	2.041	2.030	2.036	2.053	5.029
#2	2.039	40.76	2.052	2.048	2.040	2.027	2.040	2.049	5.029
#3	2.044	40.76	2.055	2.050	2.044	2.021	2.042	2.049	5.035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: CCV Acquired: 10/15/2025 11:20:40 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.066**	**2.023**	**2.045**	**2.068**	**2.040**	**2.003**	**2.062**	**2.051**
Stddev	.002	.042	.029	.001	.027	.004	.002	.028
%RSD	.0905	2.086	1.402	.0660	1.326	.1993	.1125	1.365
#1	2.064	2.061	2.076	2.069	2.070	1.999	2.061	2.082
#2	2.066	2.030	2.038	2.068	2.034	2.003	2.061	2.044
#3	2.068	1.977	2.020	2.066	2.017	2.007	2.065	2.027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**19950.**	**242080.**	**37982.**	**10161.**
Stddev	41.	3885.	95.	24.
%RSD	.20679	1.6047	.24951	.23524
#1	19988.	237910.	37958.	10184.
#2	19955.	242730.	38086.	10162.
#3	19906.	245590.	37901.	10136.

Zoom In Zoom Out

Sample Name: CCB Acquired: 10/15/2025 11:25:57 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0008**	**.0599**	**.0015**	**.0104**	**.0015**	**.0012**	**.0002**	**.0470**	**.0015**
Stddev	.0002	.0138	.0013	.0012	.0003	.0001	.0006	.0047	.0005
%RSD	19.81	22.96	83.51	11.73	21.81	11.01	400.1	9.957	34.66
#1	.0007	.0521	.0025	.0118	.0017	.0012	.0007	.0452	.0020
#2	.0008	.0519	.0001	.0095	.0011	.0011	-.0005	.0434	.0015
#3	.0010	.0758	.0020	.0099	.0016	.0013	.0003	.0523	.0010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0011**	**.0014**	**.0013**	**.0018**	**.0398**	**.1839**	**.0030**	**.0572**	**.0014**
Stddev	.0031	.0006	.0001	.0005	.0048	.0245	.0010	.0153	.0002
%RSD	299.0	46.50	6.755	26.44	11.95	13.31	33.48	26.79	12.85
#1	-.0009	.0021	.0012	.0022	.0389	.2108	.0041	.0745	.0014
#2	-.0043	.0013	.0012	.0013	.0356	.1778	.0021	.0454	.0012
#3	.0020	.0008	.0014	.0018	.0449	.1630	.0028	.0518	.0016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0017**	**.1402**	**.0015**	**.0009**	**.0008**	**.0030**	**.0016**	**.0025**	**.0127**
Stddev	.0005	.0063	.0005	.0008	.0006	.0024	.0015	.0004	.0033
%RSD	30.56	4.513	31.78	82.09	76.75	77.68	95.82	16.91	26.33
#1	.0023	.1355	.0020	.0001	.0016	.0052	.0032	.0023	.0164
#2	.0015	.1377	.0016	.0013	.0006	.0034	.0014	.0030	.0119
#3	.0013	.1474	.0010	.0015	.0004	.0005	.0002	.0022	.0098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: CCB Acquired: 10/15/2025 11:25:57 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0017**	**.0013**	**.0012**	**.0019**	**.0015**	**.0023**	**.0016**	**.0014**
Stddev	.0004	.0002	.0004	.0004	.0002	.0006	.0005	.0001
%RSD	25.44	13.90	31.91	23.07	12.60	25.01	29.22	8.921
#1	.0022	.0013	.0010	.0023	.0017	.0026	.0021	.0013
#2	.0015	.0011	.0010	.0014	.0013	.0026	.0016	.0013
#3	.0015	.0015	.0017	.0019	.0015	.0016	.0011	.0015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**21371.**	**253430.**	**38293.**	**10437.**
Stddev	26.	1670.	195.	9.
%RSD	.12013	.65901	.50913	.08861
#1	21381.	251700.	38132.	10447.
#2	21390.	255030.	38238.	10436.
#3	21342.	253550.	38510.	10429.

Zoom In Zoom Out

Sample Name: CRI Acquired: 10/15/2025 11:30:59 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0053**	**.2181**	**.0091**	**.1110**	**.2076**	**.0023**	**.0213**	**5.189**	**.0033**
Stddev	.0000	.0033	.0011	.0004	.0005	.0000	.0010	.003	.0001
%RSD	.7728	1.508	12.16	.3402	.2373	1.205	4.859	.0621	2.027
#1	.0053	.2186	.0094	.1108	.2081	.0023	.0217	5.191	.0033
#2	.0053	.2212	.0101	.1109	.2073	.0023	.0201	5.185	.0034
#3	.0052	.2146	.0079	.1115	.2073	.0023	.0219	5.191	.0032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007**	**.0511**	**.0110**	**.0099**	**.1156**	**5.266**	**.0560**	**5.288**	**.0162**
Stddev	.0012	.0003	.0001	.0009	.0002	.010	.0008	.014	.0001
%RSD	167.0	.5574	1.182	8.940	.1814	.1838	1.406	.2698	.4231
#1	-.0005	.0512	.0109	.0089	.1158	5.265	.0553	5.286	.0162
#2	.0020	.0508	.0109	.0104	.1155	5.258	.0557	5.274	.0163
#3	.0007	.0513	.0112	.0105	.1154	5.277	.0569	5.302	.0163
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0216**	**5.320**	**.0108**	**.0504**	**.0027**	**.0531**	**.0070**	**.0115**	**.2129**
Stddev	.0000	.013	.0003	.0004	.0009	.0012	.0010	.0003	.0019
%RSD	.1958	.2397	2.570	.7958	33.49	2.323	14.76	2.797	.9135
#1	.0215	5.311	.0109	.0501	.0029	.0532	.0065	.0117	.2130
#2	.0216	5.335	.0110	.0509	.0017	.0519	.0081	.0115	.2108
#3	.0215	5.316	.0105	.0503	.0035	.0543	.0062	.0111	.2147
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: CRI Acquired: 10/15/2025 11:30:59 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0106**	**.0106**	**.0108**	**.0107**	**.0518**	**.0515**	**.0223**	**.0106**
Stddev	.0005	.0000	.0002	.0022	.0001	.0007	.0001	.0001
%RSD	4.480	.4424	2.085	20.14	.2730	1.300	.4944	1.314
#1	.0106	.0106	.0107	.0129	.0517	.0510	.0223	.0106
#2	.0110	.0106	.0111	.0086	.0517	.0512	.0225	.0108
#3	.0101	.0106	.0107	.0105	.0520	.0522	.0223	.0105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**21074.**	**251470.**	**38138.**	**10362.**
Stddev	12.	2115.	247.	7.
%RSD	.05886	.84086	.64785	.06825
#1	21065.	253540.	37868.	10358.
#2	21088.	251550.	38352.	10370.
#3	21068.	249310.	38195.	10357.

Zoom In Zoom Out

Sample Name: MP56990-MB2 1 Acquired: 10/15/2025 11:35:55 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0087**	**.0006**	**.0051**	**.0000**	**.0001**	**.0001**	**.0103**	**-.0002**
Stddev	.0004	.0031	.0002	.0001	.0001	.0001	.0008	.0019	.0001
%RSD	68.77	34.96	27.10	2.411	1650.	62.87	600.1	18.26	40.80
#1	.0010	.0122	.0007	.0052	.0001	.0002	-.0005	.0106	-.0001
#2	.0003	.0075	.0004	.0050	-.0001	.0001	-.0002	.0083	-.0003
#3	.0003	.0065	.0006	.0050	.0000	.0000	.0010	.0121	-.0002

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0008**	**-.0000**	**.0001**	**.0008**	**.0046**	**.0042**	**-.0023**	**.0129**	**.0001**
Stddev	.0010	.0001	.0000	.0001	.0012	.0212	.0010	.0113	.0000
%RSD	133.5	1068.	69.11	18.97	25.06	501.9	45.81	87.20	24.03
#1	-.0007	.0001	.0001	.0008	.0058	.0083	-.0035	.0082	.0001
#2	.0002	.0000	.0000	.0006	.0035	-.0187	-.0015	.0258	.0001
#3	-.0018	-.0001	.0001	.0009	.0045	.0231	-.0019	.0048	.0001

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**.0254**	**.0000**	**.0003**	**-.0003**	**.0019**	**.0007**	**-.0010**	**-.0007**
Stddev	.0001	.0138	.0001	.0005	.0006	.0013	.0015	.0005	.0001
%RSD	158.2	54.59	3453.	157.4	189.7	69.13	230.8	46.71	22.14
#1	-.0001	.0366	-.0001	-.0001	.0001	.0004	-.0011	-.0005	-.0008
#2	.0000	.0099	.0001	.0009	-.0000	.0030	.0015	-.0012	-.0005
#3	-.0001	.0296	.0000	.0002	-.0010	.0024	.0015	-.0013	-.0007

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0001**	**.0001**	**.0009**	**.0004**	**-.0005**	**.0011**	**.0000**
Stddev	.0002	.0000	.0001	.0010	.0001	.0005	.0001	.0001
%RSD	161.2	48.40	156.9	113.2	29.80	103.0	8.519	338.3
#1	-.0003	.0001	-.0001	-.0003	.0005	-.0000	.0012	.0001
#2	-.0002	.0001	.0001	.0016	.0003	-.0004	.0010	.0001
#3	.0001	.0000	.0002	.0014	.0004	-.0010	.0011	-.0001

Zoom In Zoom Out

Sample Name: MP56990-MB2 1 Acquired: 10/15/2025 11:35:55 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**21705.**	**251700.**	**39141.**	**10551.**
Stddev	26.	1174.	224.	18.
%RSD	.12092	.46660	.57277	.16792
#1	21734.	250390.	39237.	10570.
#2	21697.	252640.	38884.	10536.
#3	21683.	252070.	39301.	10547.

Zoom In Zoom Out

Sample Name: JE3711-5B Acquired: 10/15/2025 11:40:56 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0053**	**.2086**	**.0086**	**.1063**	**.2039**	**.0020**	**.0209**	**5.083**	**.0030**
Stddev	.0002	.0091	.0001	.0006	.0002	.0001	.0011	.008	.0001
%RSD	2.974	4.352	1.050	.5900	.1041	2.737	5.401	.1589	3.345
#1	.0052	.2180	.0085	.1056	.2037	.0021	.0209	5.077	.0031
#2	.0055	.2079	.0086	.1063	.2039	.0020	.0198	5.093	.0030
#3	.0052	.1999	.0086	.1068	.2041	.0020	.0220	5.081	.0029

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0005**	**.0503**	**.0104**	**.0095**	**.1063**	**5.124**	**.0532**	**5.182**	**.0157**
Stddev	.0023	.0002	.0002	.0005	.0013	.033	.0003	.004	.0001
%RSD	478.6	.3701	2.028	5.142	1.199	.6470	.5190	.0714	.3438
#1	-.0032	.0503	.0105	.0099	.1069	5.121	.0530	5.178	.0158
#2	.0010	.0502	.0106	.0090	.1071	5.159	.0530	5.181	.0157
#3	.0007	.0505	.0102	.0096	.1048	5.093	.0535	5.186	.0158

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0212**	**5.212**	**.0107**	**.0501**	**.0038**	**.0521**	**.0070**	**.0111**	**.2279**
Stddev	.0002	.015	.0002	.0001	.0005	.0008	.0002	.0015	.0009
%RSD	.9625	.2845	1.470	.1782	13.16	1.614	3.558	13.61	.3799
#1	.0212	5.225	.0105	.0501	.0035	.0516	.0072	.0094	.2269
#2	.0210	5.215	.0107	.0500	.0035	.0531	.0071	.0122	.2284
#3	.0214	5.196	.0108	.0502	.0044	.0516	.0067	.0117	.2285

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0100**	**.0101**	**.0101**	**.0100**	**.0510**	**.0500**	**.0226**	**.0103**
Stddev	.0003	.0001	.0002	.0003	.0003	.0004	.0001	.0001
%RSD	2.561	.8628	2.112	2.735	.6144	.8952	.5378	.6428
#1	.0102	.0100	.0104	.0100	.0513	.0495	.0225	.0103
#2	.0097	.0102	.0100	.0098	.0507	.0503	.0227	.0102
#3	.0102	.0101	.0100	.0103	.0509	.0501	.0225	.0103

Zoom In Zoom Out

Sample Name: JE3711-5B Acquired: 10/15/2025 11:40:56 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**21130.**	**253310.**	**38936.**	**10465.**
Stddev	41.	1245.	99.	16.
%RSD	.19304	.49129	.25479	.15643
#1	21176.	252770.	39033.	10482.
#2	21102.	254730.	38941.	10449.
#3	21110.	252430.	38835.	10463.

Inst QC: MA59558

Zoom In Zoom Out

Sample Name: JE3721-5B Acquired: 10/15/2025 11:45:52 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007**	**.1152**	**.0031**	**.0050**	**.0046**	**.0011**	**-.0007**	**1.097**	**.0011**
Stddev	.0002	.0012	.0005	.0003	.0001	.0000	.0017	.002	.0001
%RSD	24.65	1.067	16.01	5.052	2.867	2.251	236.8	.1502	4.659
#1	.0009	.1141	.0037	.0048	.0044	.0010	-.0015	1.097	.0012
#2	.0005	.1166	.0027	.0049	.0046	.0010	.0012	1.096	.0011
#3	.0008	.1150	.0030	.0053	.0047	.0011	-.0018	1.099	.0011

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0019**	**.0032**	**.0024**	**.0007**	**.0050**	**2.198**	**.0002**	**.1142**	**.0034**
Stddev	.0029	.0001	.0001	.0003	.0008	.020	.0034	.0058	.0001
%RSD	156.1	3.326	5.623	44.77	15.20	.9035	1703.	5.107	2.837
#1	.0014	.0032	.0023	.0006	.0042	2.198	-.0035	.1108	.0033
#2	-.0043	.0030	.0025	.0010	.0052	2.217	.0034	.1209	.0035
#3	-.0027	.0032	.0023	.0004	.0056	2.178	.0007	.1109	.0033

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**1.115**	**.0043**	**.0010**	**-.0003**	**.0034**	**.0020**	**.0051**	**.0323**
Stddev	.0001	.007	.0002	.0005	.0002	.0004	.0005	.0008	.0010
%RSD	32.84	.6752	5.698	48.05	53.31	11.78	26.59	16.65	3.053
#1	.0001	1.119	.0041	.0009	-.0005	.0035	.0026	.0046	.0334
#2	.0002	1.119	.0041	.0006	-.0001	.0037	.0018	.0047	.0315
#3	.0002	1.106	.0045	.0015	-.0003	.0029	.0016	.0061	.0320

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0006**	**.0001**	**-.0001**	**.0019**	**.0023**	**-.0001**	**.0124**	**.0002**
Stddev	.0003	.0000	.0003	.0011	.0002	.0003	.0001	.0001
%RSD	53.91	13.21	270.7	56.37	7.601	299.8	1.168	72.52
#1	-.0005	.0001	.0002	.0007	.0025	.0002	.0125	.0003
#2	-.0010	.0001	-.0004	.0026	.0023	-.0001	.0125	.0001
#3	-.0003	.0001	-.0002	.0024	.0022	-.0004	.0123	.0001

Zoom In Zoom Out

Sample Name: JE3721-5B Acquired: 10/15/2025 11:45:52 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**21319.**	**255340.**	**39168.**	**10492.**
Stddev	48.	3758.	94.	21.
%RSD	.22430	1.4716	.23917	.20394
#1	21329.	258470.	39071.	10503.
#2	21361.	251170.	39177.	10504.
#3	21267.	256370.	39257.	10467.

Zoom In Zoom Out

Sample Name: CCV Acquired: 10/15/2025 11:50:54 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2493**	**40.25**	**2.017**	**2.041**	**2.049**	**2.080**	**2.005**	**40.54**	**2.027**
Stddev	.0005	.03	.002	.004	.001	.040	.003	.08	.001
%RSD	.1915	.0689	.0810	.2189	.0648	1.916	.1262	.2014	.0270
#1	.2489	40.27	2.018	2.036	2.050	2.056	2.006	40.60	2.028
#2	.2498	40.26	2.018	2.042	2.049	2.059	2.002	40.45	2.028
#3	.2492	40.22	2.015	2.045	2.047	2.126	2.006	40.57	2.027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.047**	**2.039**	**2.045**	**2.044**	**40.84**	**40.50**	**2.050**	**40.40**	**2.071**
Stddev	.010	.003	.005	.006	.04	.08	.002	.09	.006
%RSD	.4927	.1447	.2280	.2962	.0965	.2000	.1155	.2232	.3121
#1	2.036	2.037	2.040	2.039	40.88	40.58	2.050	40.49	2.065
#2	2.056	2.038	2.047	2.051	40.80	40.42	2.053	40.31	2.077
#3	2.048	2.042	2.049	2.043	40.83	40.51	2.048	40.38	2.070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.029**	**40.48**	**2.049**	**2.033**	**2.045**	**2.008**	**2.018**	**2.036**	**5.016**
Stddev	.002	.03	.001	.003	.002	.002	.003	.001	.005
%RSD	.0964	.0705	.0490	.1236	.1093	.1095	.1300	.0471	.0995
#1	2.031	40.51	2.049	2.034	2.046	2.010	2.021	2.035	5.020
#2	2.029	40.46	2.048	2.035	2.043	2.006	2.018	2.036	5.011
#3	2.027	40.46	2.050	2.030	2.047	2.007	2.016	2.037	5.019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: CCV Acquired: 10/15/2025 11:50:54 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.048**	**2.005**	**2.018**	**2.082**	**2.038**	**1.995**	**2.060**	**2.035**
Stddev	.003	.036	.006	.005	.006	.001	.002	.006
%RSD	.1479	1.789	.2892	.2298	.2976	.0336	.1110	.3111
#1	2.051	1.988	2.012	2.081	2.031	1.995	2.062	2.028
#2	2.048	1.981	2.021	2.078	2.042	1.994	2.060	2.038
#3	2.045	2.046	2.023	2.087	2.041	1.996	2.057	2.040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**19859.**	**242650.**	**38179.**	**10190.**
Stddev	7.	471.	198.	24.
%RSD	.03433	.19423	.51942	.23783
#1	19855.	243190.	38179.	10174.
#2	19855.	242440.	38378.	10179.
#3	19867.	242320.	37981.	10218.

Zoom In Zoom Out

Sample Name: CCB Acquired: 10/15/2025 11:56:12 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007**	**.0058**	**.0008**	**.0072**	**.0004**	**.0003**	**.0004**	**.0090**	**.0010**
Stddev	.0001	.0012	.0004	.0004	.0001	.0001	.0010	.0017	.0003
%RSD	14.42	20.24	53.25	5.611	15.38	20.04	260.4	18.86	31.58
#1	.0008	.0045	.0012	.0073	.0004	.0003	.0006	.0108	.0007
#2	.0006	.0068	.0009	.0068	.0003	.0003	-.0007	.0089	.0010
#3	.0007	.0062	.0004	.0076	.0004	.0004	.0013	.0074	.0013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**.0006**	**.0004**	**-.0001**	**.0075**	**.0417**	**.0020**	**.0110**	**.0004**
Stddev	.0014	.0003	.0001	.0001	.0003	.0171	.0014	.0113	.0000
%RSD	237.1	53.80	25.04	184.4	4.243	41.00	70.71	102.2	12.66
#1	.0000	.0003	.0004	-.0001	.0072	.0230	.0030	.0206	.0004
#2	-.0005	.0006	.0005	.0001	.0075	.0565	.0004	-.0014	.0004
#3	.0022	.0010	.0003	-.0002	.0078	.0457	.0027	.0138	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0010**	**.0373**	**.0008**	**.0002**	**.0006**	**-.0009**	**.0020**	**.0023**	**.0058**
Stddev	.0003	.0051	.0003	.0009	.0004	.0018	.0007	.0006	.0004
%RSD	28.51	13.71	35.40	363.2	57.16	201.5	33.52	24.50	6.449
#1	.0007	.0432	.0006	-.0006	.0011	-.0017	.0027	.0022	.0059
#2	.0011	.0341	.0007	.0002	.0004	.0011	.0013	.0029	.0054
#3	.0013	.0345	.0012	.0011	.0004	-.0021	.0021	.0018	.0061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: CCB Acquired: 10/15/2025 11:56:12 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0014**	**.0004**	**.0004**	**.0010**	**.0004**	**.0004**	**.0009**	**.0004**
Stddev	.0004	.0000	.0001	.0009	.0002	.0007	.0002	.0001
%RSD	25.93	4.900	23.07	86.93	61.22	182.5	22.59	27.35
#1	.0010	.0004	.0003	.0016	.0006	-.0004	.0008	.0003
#2	.0017	.0004	.0005	.0000	.0002	.0009	.0008	.0004
#3	.0015	.0004	.0004	.0014	.0002	.0006	.0012	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**21306.**	**254280.**	**38428.**	**10498.**
Stddev	30.	1623.	93.	18.
%RSD	.13878	.63839	.24220	.16879
#1	21275.	252710.	38366.	10482.
#2	21334.	255950.	38383.	10517.
#3	21308.	254180.	38535.	10496.

Zoom In Zoom Out

Sample Name: MP57936-MB1 7 Acquired: 10/15/2025 12:01:13 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007**	**.0140**	**.0004**	**.0050**	**.0002**	**.0000**	**-.0002**	**.0190**	**.0000**
Stddev	.0002	.0039	.0005	.0004	.0001	.0000	.0012	.0016	.0002
%RSD	26.58	28.15	144.3	8.712	34.34	68.08	720.4	8.320	403.6
#1	.0005	.0097	.0009	.0047	.0001	.0000	-.0015	.0194	-.0001
#2	.0008	.0149	-.0001	.0055	.0002	.0001	.0004	.0172	.0002
#3	.0009	.0174	.0003	.0048	.0003	.0000	.0006	.0203	.0001

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007**	**-.0002**	**.0002**	**-.0008**	**.0162**	**.0133**	**.0008**	**.0122**	**.0006**
Stddev	.0014	.0000	.0001	.0006	.0005	.0152	.0015	.0027	.0000
%RSD	206.1	17.44	57.35	66.69	2.943	114.3	202.3	22.17	5.370
#1	.0001	-.0001	.0001	-.0006	.0157	.0193	-.0005	.0144	.0006
#2	-.0003	-.0002	.0003	-.0015	.0163	.0245	.0004	.0130	.0006
#3	.0023	-.0002	.0001	-.0004	.0166	-.0040	.0025	.0092	.0006

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.1181**	**.0005**	**.0022**	**.0005**	**.0077**	**.0010**	**-.0002**	**.0397**
Stddev	.0001	.0131	.0001	.0006	.0004	.0006	.0016	.0012	.0005
%RSD	25.74	11.07	29.08	24.59	79.01	8.107	153.1	584.7	1.227
#1	.0003	.1052	.0004	.0016	.0002	.0084	.0018	.0003	.0402
#2	.0002	.1179	.0005	.0025	.0010	.0076	-.0008	-.0016	.0392
#3	.0004	.1313	.0007	.0026	.0004	.0071	.0021	.0006	.0397

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0001**	**.0006**	**-.0005**	**.0002**	**.0005**	**.0021**	**.0001**
Stddev	.0000	.0000	.0003	.0014	.0003	.0003	.0001	.0002
%RSD	5.638	45.55	49.92	299.7	103.4	58.56	5.962	175.4
#1	.0003	.0001	.0004	.0011	.0005	.0002	.0020	.0003
#2	.0003	.0000	.0009	-.0012	.0002	.0008	.0020	.0001
#3	.0003	.0001	.0005	-.0013	.0000	.0006	.0022	-.0001

Zoom In Zoom Out

Sample Name: MP57936-MB1 7 Acquired: 10/15/2025 12:01:13 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**21208.**	**255080.**	**38411.**	**10469.**
Stddev	36.	3752.	280.	18.
%RSD	.16966	1.4709	.72798	.16881
#1	21239.	255950.	38383.	10465.
#2	21218.	258310.	38704.	10488.
#3	21169.	250970.	38147.	10454.

Zoom In Zoom Out

Sample Name: MP57936-B1 Acquired: 10/15/2025 12:06:12 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2559**	**24.84**	**1.970**	**1.953**	**1.967**	**2.010**	**-.0037**	**25.10**	**1.954**
Stddev	.0015	.03	.004	.004	.001	.032	.0006	.01	.005
%RSD	.6045	.1054	.1808	.1978	.0527	1.581	16.16	.0589	.2599
#1	.2575	24.85	1.968	1.950	1.967	2.038	-.0038	25.09	1.952
#2	.2544	24.81	1.968	1.952	1.967	1.975	-.0043	25.08	1.950
#3	.2559	24.87	1.974	1.958	1.965	2.017	-.0031	25.11	1.959

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**1.965**	**1.951**	**1.977**	**25.25**	**24.96**	**.0007**	**25.02**	**1.983**
Stddev	.0024	.003	.010	.013	.02	.04	.0008	.04	.031
%RSD	393.3	.1621	.5162	.6478	.0757	.1600	117.5	.1409	1.578
#1	.0011	1.963	1.963	1.992	25.24	24.92	-.0001	25.03	2.006
#2	.0027	1.962	1.945	1.970	25.25	24.95	.0007	24.98	1.995
#3	-.0020	1.968	1.946	1.970	25.27	25.00	.0016	25.05	1.947

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.972**	**25.21**	**1.977**	**.0386**	**1.968**	**-.0021**	**1.951**	**1.953**	**.1445**
Stddev	.005	.04	.004	.0002	.004	.0012	.004	.001	.0006
%RSD	.2521	.1445	.1792	.4080	.2274	54.51	.2058	.0644	.4197
#1	1.968	25.23	1.976	.0385	1.969	-.0034	1.949	1.952	.1439
#2	1.969	25.17	1.974	.0385	1.964	-.0018	1.949	1.952	.1451
#3	1.977	25.23	1.981	.0388	1.973	-.0012	1.956	1.954	.1445

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.992**	**1.928**	**1.930**	**2.030**	**1.965**	**1.911**	**1.989**	**1.941**
Stddev	.007	.022	.010	.006	.011	.005	.005	.011
%RSD	.3629	1.122	.5233	.2916	.5655	.2688	.2427	.5587
#1	1.989	1.909	1.942	2.028	1.978	1.908	1.987	1.953
#2	1.987	1.952	1.923	2.026	1.957	1.909	1.986	1.932
#3	2.000	1.924	1.926	2.037	1.961	1.917	1.995	1.937

Zoom In Zoom Out

Sample Name: MP57936-B1 Acquired: 10/15/2025 12:06:12 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**20263.**	**249330.**	**38204.**	**10307.**
Stddev	53.	1070.	246.	31.
%RSD	.26031	.42914	.64294	.29932
#1	20252.	248130.	38045.	10312.
#2	20320.	249670.	38487.	10335.
#3	20216.	250190.	38079.	10274.

Zoom In Zoom Out

Sample Name: MP57936-S1 Acquired: 10/15/2025 12:11:29 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2419**	**122.4**	**1.812**	**1.800**	**1.852**	**1.834**	**-.0024**	**83.02**	**1.816**
Stddev	.0020	.1	.004	.003	.002	.023	.0013	1.69	.003
%RSD	.8226	.1093	.2497	.1902	.0941	1.249	55.52	2.036	.1706
#1	.2422	122.4	1.809	1.797	1.853	1.848	-.0034	84.54	1.813
#2	.2438	122.5	1.811	1.801	1.852	1.847	-.0009	81.20	1.816
#3	.2398	122.2	1.818	1.803	1.850	1.808	-.0030	83.33	1.819

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4484**	**1.927**	**1.866**	**1.935**	**119.9**	**32.58**	**.0204**	**101.7**	**7.251**
Stddev	.0025	.002	.010	.008	.5	.08	.0018	.1	.016
%RSD	.5612	.1161	.5237	.4095	.3868	.2402	9.037	.1204	.2224
#1	.4508	1.924	1.865	1.936	120.4	32.67	.0183	101.7	7.254
#2	.4486	1.927	1.877	1.943	119.8	32.52	.0213	101.7	7.266
#3	.4458	1.929	1.858	1.927	119.5	32.56	.0217	101.5	7.234

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.780**	**95.53**	**2.021**	**.3121**	**1.821**	F **337.8**	**1.793**	**1.847**	**10.45**
Stddev	.004	.14	.000	.0004	.002	.7	.003	.003	.01
%RSD	.2540	.1470	.0208	.1327	.1011	.2165	.1778	.1795	.1375
#1	1.776	95.67	2.021	.3125	1.820	337.3	1.790	1.843	10.43
#2	1.779	95.51	2.022	.3122	1.820	337.6	1.793	1.848	10.45
#3	1.785	95.39	2.022	.3117	1.823	338.7	1.796	1.850	10.46

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.778**	**2.011**	**1.797**	**1.870**	**1.939**	**1.713**	**2.438**	**1.800**
Stddev	.005	.017	.011	.004	.007	.006	.007	.012
%RSD	.2818	.8397	.6012	.1962	.3865	.3269	.3002	.6448
#1	1.774	2.026	1.795	1.869	1.938	1.707	2.434	1.798
#2	1.778	2.016	1.809	1.867	1.947	1.713	2.433	1.813
#3	1.784	1.993	1.788	1.874	1.932	1.718	2.446	1.790

Zoom In Zoom Out

Sample Name: MP57936-S1 Acquired: 10/15/2025 12:11:29 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**19191.**	**242940.**	**39021.**	**10227.**
Stddev	70.	473.	196.	52.
%RSD	.36590	.19451	.50200	.50949
#1	19227.	242940.	38806.	10259.
#2	19236.	242470.	39064.	10255.
#3	19110.	243420.	39191.	10167.

Zoom In Zoom Out

Sample Name: MP57936-S2 Acquired: 10/15/2025 12:16:54 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2328**	**116.8**	**1.734**	**1.727**	**1.771**	**1.759**	**-.0016**	**79.14**	**1.744**
Stddev	.0011	.1	.004	.005	.001	.003	.0011	.87	.004
%RSD	.4896	.0610	.2025	.3090	.0335	.1897	65.42	1.099	.2512
#1	.2336	116.9	1.732	1.724	1.772	1.762	-.0023	79.14	1.742
#2	.2334	116.8	1.732	1.724	1.771	1.759	-.0022	80.01	1.741
#3	.2315	116.7	1.738	1.733	1.772	1.755	-.0004	78.27	1.749

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4286**	**1.840**	**1.793**	**1.851**	**113.4**	**31.09**	**.0198**	**97.12**	**7.000**
Stddev	.0030	.004	.011	.016	.8	.02	.0016	.17	.126
%RSD	.6990	.2334	.5898	.8368	.7488	.0511	8.005	.1798	1.801
#1	.4310	1.837	1.802	1.852	112.5	31.07	.0212	97.32	7.131
#2	.4296	1.838	1.795	1.866	113.5	31.09	.0201	97.03	6.990
#3	.4252	1.845	1.781	1.835	114.2	31.10	.0180	97.01	6.880

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.702**	**91.48**	**1.934**	**.3044**	**1.743**	F **324.9**	**1.721**	**1.774**	**10.01**
Stddev	.004	.06	.004	.0015	.005	.9	.004	.001	.02
%RSD	.2328	.0700	.1886	.4997	.2899	.2800	.2379	.0550	.1688
#1	1.698	91.42	1.933	.3041	1.740	324.1	1.719	1.774	10.01
#2	1.700	91.46	1.932	.3030	1.739	324.8	1.718	1.773	9.996
#3	1.706	91.55	1.938	.3060	1.748	325.9	1.726	1.775	10.03

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.705**	**1.940**	**1.724**	**1.789**	**1.863**	**1.645**	**2.342**	**1.726**
Stddev	.005	.025	.010	.002	.009	.006	.007	.010
%RSD	.2811	1.282	.5767	.1363	.5120	.3411	.2818	.5808
#1	1.701	1.945	1.734	1.788	1.870	1.640	2.337	1.735
#2	1.704	1.914	1.725	1.787	1.867	1.644	2.341	1.727
#3	1.710	1.963	1.714	1.792	1.852	1.651	2.349	1.715

Zoom In Zoom Out

Sample Name: MP57936-S2 Acquired: 10/15/2025 12:16:54 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**19241.**	**242460.**	**38941.**	**10211.**
Stddev	48.	1461.	68.	32.
%RSD	.25201	.60271	.17438	.31721
#1	19283.	241200.	38997.	10242.
#2	19251.	242100.	38866.	10212.
#3	19188.	244060.	38961.	10178.

Zoom In Zoom Out

Sample Name: JE20519-1 Acquired: 10/15/2025 12:22:17 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: SUNOCOQC

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0009**	**98.92**	**.0068**	**.0530**	**.0617**	**.0101**	**.0016**	**60.43**	**.0011**
Stddev	.0001	.10	.0006	.0002	.0001	.0000	.0011	.14	.0001
%RSD	14.91	.1046	9.285	.2872	.1208	.1640	67.37	.2295	6.583
#1	-.0008	99.04	.0076	.0532	.0616	.0101	.0014	60.48	.0011
#2	-.0010	98.89	.0066	.0529	.0616	.0101	.0028	60.27	.0010
#3	-.0008	98.84	.0064	.0530	.0617	.0101	.0007	60.53	.0011

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4508**	**.0762**	**.0740**	**.0526**	**97.53**	**9.501**	**.0213**	**78.92**	**5.495**
Stddev	.0028	.0004	.0005	.0010	1.41	.019	.0002	.11	.034
%RSD	.6258	.5195	.6658	1.845	1.442	.1964	.7248	.1361	.6102
#1	.4477	.0762	.0736	.0519	97.72	9.510	.0212	78.92	5.474
#2	.4532	.0758	.0738	.0522	96.04	9.513	.0215	79.03	5.533
#3	.4515	.0766	.0745	.0537	98.83	9.479	.0212	78.82	5.476

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**72.74**	**.1670**	**.3290**	**.0036**	F **335.6**	**.0090**	**.0087**	**10.31**
Stddev	.0001	.12	.0002	.0005	.0004	.8	.0012	.0011	.02
%RSD	12.89	.1606	.1039	.1376	9.795	.2243	13.29	12.55	.2295
#1	.0006	72.88	.1669	.3290	.0034	335.4	.0088	.0082	10.30
#2	.0005	72.67	.1668	.3285	.0040	334.9	.0079	.0079	10.29
#3	.0006	72.68	.1672	.3294	.0034	336.4	.0102	.0100	10.34

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0015**	**.2559**	**.0158**	**.0009**	**.1336**	**.0053**	**.6654**	**.0027**
Stddev	.0004	.0003	.0002	.0002	.0008	.0002	.0011	.0002
%RSD	28.36	.1116	1.003	19.84	.5958	3.682	.1593	7.162
#1	-.0019	.2562	.0156	.0008	.1328	.0054	.6652	.0025
#2	-.0013	.2557	.0157	.0011	.1335	.0054	.6643	.0029
#3	-.0012	.2558	.0159	.0007	.1344	.0051	.6665	.0027

Zoom In Zoom Out

Sample Name: JE20519-1 Acquired: 10/15/2025 12:22:17 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: SUNOCOQC

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**19623.**	**247420.**	**39168.**	**10409.**
Stddev	40.	1681.	147.	17.
%RSD	.20193	.67926	.37450	.16539
#1	19624.	248910.	39000.	10405.
#2	19662.	247760.	39268.	10428.
#3	19582.	245600.	39236.	10394.

Zoom In Zoom Out

Sample Name: MP57936-SD1 Acquired: 10/15/2025 12:27:34 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0007**	**99.20**	**.0078**	**.0911**	**.0618**	**.0098**	**-.0027**	**61.45**	**.0012**
Stddev	.0024	.11	.0036	.0033	.0006	.0003	.0028	.04	.0001
%RSD	359.8	.1145	45.80	3.643	.9029	3.293	100.9	.0683	6.784
#1	.0019	99.08	.0092	.0908	.0622	.0100	-.0002	61.44	.0011
#2	-.0029	99.29	.0104	.0880	.0621	.0094	-.0057	61.49	.0012
#3	-.0010	99.24	.0037	.0946	.0611	.0098	-.0023	61.41	.0012

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4612**	**.0771**	**.0767**	**.0508**	**99.28**	**9.888**	**.0179**	**80.10**	**5.690**
Stddev	.0067	.0005	.0010	.0038	.03	.148	.0085	.19	.086
%RSD	1.460	.6133	1.297	7.468	.0296	1.501	47.67	.2351	1.511
#1	.4542	.0768	.0756	.0466	99.32	10.06	.0100	79.89	5.633
#2	.4676	.0769	.0771	.0521	99.27	9.788	.0167	80.18	5.649
#3	.4618	.0777	.0774	.0538	99.26	9.816	.0270	80.24	5.789

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0018**	**74.42**	**.1657**	**.3231**	**.0061**	**358.1**	**.0117**	**.0041**	**10.43**
Stddev	.0003	.11	.0001	.0044	.0043	.5	.0041	.0076	.01
%RSD	15.05	.1515	.0846	1.354	69.90	.1416	34.70	183.0	.0493
#1	.0019	74.43	.1655	.3275	.0085	357.6	.0163	.0120	10.43
#2	.0021	74.54	.1657	.3188	.0087	358.1	.0100	-.0030	10.42
#3	.0015	74.31	.1658	.3232	.0012	358.6	.0087	.0034	10.43

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0062**	**.2588**	**.0157**	**-.0002**	**.1350**	**.0138**	**.6902**	**.0033**
Stddev	.0006	.0006	.0008	.0041	.0023	.0010	.0017	.0006
%RSD	10.13	.2190	5.226	2578.	1.716	7.486	.2441	18.28
#1	-.0064	.2594	.0150	.0046	.1324	.0143	.6901	.0030
#2	-.0055	.2586	.0154	-.0026	.1356	.0126	.6886	.0039
#3	-.0067	.2583	.0166	-.0025	.1370	.0145	.6920	.0028

Zoom In Zoom Out

Sample Name: MP57936-SD1 Acquired: 10/15/2025 12:27:34 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**20955.**	**254910.**	**39364.**	**10514.**
Stddev	21.	5347.	160.	8.
%RSD	.09999	2.0974	.40594	.07618
#1	20939.	260730.	39524.	10506.
#2	20979.	253770.	39205.	10521.
#3	20948.	250230.	39363.	10515.

Zoom In Zoom Out

Sample Name: JE20519-2 Acquired: 10/15/2025 12:32:39 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: SUNOCOQC

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0013**	**.2751**	**.0045**	**.2159**	**.0385**	**.0013**	**.0005**	**F 267.0**	**-.0027**
Stddev	.0002	.0084	.0009	.0006	.0001	.0000	.0003	1.2	.0001
%RSD	13.02	3.050	18.88	.2870	.1961	2.315	58.15	.4659	3.535
#1	-.0011	.2846	.0046	.2166	.0386	.0013	.0003	266.0	-.0027
#2	-.0013	.2722	.0053	.2157	.0385	.0013	.0008	266.6	-.0028
#3	-.0015	.2686	.0036	.2154	.0385	.0013	.0004	268.4	-.0026

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1123**	**.0858**	**-.0030**	**.0092**	**19.31**	**21.29**	**-.0095**	**55.11**	**F 12.17**
Stddev	.0010	.0004	.0001	.0004	.00	.02	.0014	.04	.11
%RSD	.8963	.4249	3.204	4.137	.0135	.1154	14.39	.0801	.9003
#1	.1113	.0859	-.0031	.0096	19.31	21.30	-.0079	55.15	12.20
#2	.1121	.0854	-.0029	.0089	19.30	21.30	-.0102	55.12	12.25
#3	.1133	.0861	-.0029	.0091	19.31	21.26	-.0104	55.07	12.04

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0004**	**116.8**	**.0416**	**.0024**	**.0017**	**F 299.7**	**.0079**	**.0060**	**4.106**
Stddev	.0002	.0	.0003	.0005	.0003	.6	.0011	.0004	.008
%RSD	51.28	.0022	.8300	19.97	16.07	.2008	13.58	6.255	.1865
#1	-.0002	116.8	.0412	.0029	.0020	299.1	.0073	.0055	4.099
#2	-.0004	116.8	.0418	.0020	.0017	299.7	.0072	.0061	4.106
#3	-.0005	116.8	.0419	.0023	.0015	300.3	.0091	.0062	4.114

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0006**	**.9650**	**-.0007**	**.0047**	**-.0012**	**.0008**	**.0742**	**.0007**
Stddev	.0005	.0008	.0003	.0009	.0001	.0001	.0002	.0003
%RSD	89.67	.0874	49.19	18.93	9.151	11.17	.3022	37.04
#1	-.0012	.9646	-.0011	.0056	-.0013	.0008	.0740	.0005
#2	-.0001	.9660	-.0006	.0038	-.0012	.0009	.0741	.0006
#3	-.0004	.9644	-.0004	.0046	-.0011	.0007	.0745	.0010

Zoom In Zoom Out

Sample Name: JE20519-2 Acquired: 10/15/2025 12:32:39 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: SUNOCOQC

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**18903.**	**233130.**	**37561.**	**9802.1**
Stddev	71.	696.	169.	38.9
%RSD	.37705	.29853	.44985	.39663
#1	18960.	233580.	37393.	9835.8
#2	18926.	232320.	37560.	9811.1
#3	18824.	233480.	37730.	9759.6

Zoom In Zoom Out

Sample Name: CCV Acquired: 10/15/2025 12:37:51 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2497**	**40.16**	**2.026**	**2.043**	**2.043**	**2.007**	**2.034**	**40.48**	**2.053**
Stddev	.0056	.01	.001	.004	.004	.034	.001	.03	.001
%RSD	2.238	.0342	.0598	.1712	.2155	1.676	.0429	.0712	.0633
#1	.2505	40.17	2.027	2.045	2.045	1.986	2.035	40.50	2.053
#2	.2549	40.15	2.024	2.039	2.046	1.989	2.033	40.45	2.051
#3	.2438	40.14	2.026	2.046	2.038	2.046	2.034	40.49	2.054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.033**	**2.026**	**2.079**	**1.994**	**40.55**	**40.31**	**2.027**	**40.28**	**2.069**
Stddev	.049	.003	.051	.048	.02	.07	.005	.07	.050
%RSD	2.397	.1447	2.443	2.385	.0386	.1846	.2589	.1797	2.412
#1	2.033	2.025	2.087	1.990	40.57	40.38	2.031	40.28	2.072
#2	2.082	2.024	2.125	2.043	40.55	40.31	2.028	40.21	2.117
#3	1.984	2.029	2.024	1.948	40.54	40.24	2.021	40.35	2.018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.050**	**40.65**	**2.047**	**2.058**	**2.033**	**2.100**	**2.054**	**2.050**	**4.993**
Stddev	.001	.02	.003	.004	.002	.007	.002	.001	.005
%RSD	.0666	.0585	.1278	.2137	.1056	.3494	.0855	.0639	.1050
#1	2.051	40.65	2.046	2.061	2.034	2.108	2.055	2.051	4.998
#2	2.050	40.67	2.044	2.060	2.030	2.100	2.052	2.050	4.988
#3	2.048	40.62	2.050	2.053	2.034	2.093	2.056	2.049	4.993
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: CCV Acquired: 10/15/2025 12:37:51 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.072**	**2.029**	**2.079**	**2.056**	**2.051**	**2.006**	**2.053**	**2.085**
Stddev	.004	.008	.052	.004	.049	.002	.003	.053
%RSD	.1694	.4130	2.518	.1802	2.388	.1065	.1342	2.528
#1	2.074	2.036	2.087	2.057	2.053	2.009	2.055	2.092
#2	2.068	2.030	2.127	2.052	2.099	2.004	2.050	2.133
#3	2.073	2.020	2.023	2.060	2.001	2.006	2.054	2.029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**20038.**	**240140.**	**37900.**	**10135.**
Stddev	27.	5338.	307.	13.
%RSD	.13451	2.2229	.81028	.13155
#1	20026.	238740.	37934.	10121.
#2	20069.	235650.	38189.	10146.
#3	20019.	246050.	37578.	10139.

Zoom In Zoom Out

Sample Name: CCB Acquired: 10/15/2025 12:43:09 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007**	**.0160**	**.0018**	**.0063**	**.0011**	**.0011**	**.0008**	**.0237**	**.0010**
Stddev	.0003	.0016	.0004	.0010	.0001	.0002	.0019	.0043	.0004
%RSD	43.78	10.17	21.81	16.28	7.419	20.33	240.2	18.29	46.46
#1	.0006	.0171	.0019	.0073	.0010	.0008	.0023	.0187	.0014
#2	.0011	.0168	.0021	.0064	.0011	.0012	-.0013	.0262	.0010
#3	.0005	.0141	.0013	.0053	.0011	.0011	.0014	.0262	.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0020**	**.0011**	**.0022**	**.0027**	**.0204**	**.1064**	**.0040**	**.0236**	**.0027**
Stddev	.0019	.0005	.0009	.0008	.0039	.0249	.0007	.0148	.0009
%RSD	95.22	45.39	38.98	27.90	18.87	23.38	17.03	62.52	31.59
#1	-.0002	.0016	.0013	.0019	.0160	.1107	.0045	.0069	.0018
#2	.0027	.0011	.0031	.0034	.0221	.1289	.0032	.0293	.0036
#3	.0034	.0006	.0023	.0028	.0232	.0797	.0044	.0347	.0028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0013**	**.1059**	**.0012**	**.0007**	**.0006**	**.0316**	**.0012**	**.0021**	**.0060**
Stddev	.0005	.0173	.0005	.0001	.0003	.0041	.0007	.0024	.0013
%RSD	36.58	16.31	46.58	18.93	58.95	13.00	57.37	115.8	22.58
#1	.0018	.0861	.0017	.0008	.0004	.0362	.0020	.0039	.0075
#2	.0014	.1174	.0011	.0005	.0009	.0302	.0010	.0029	.0054
#3	.0008	.1144	.0007	.0007	.0004	.0284	.0007	-.0006	.0050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: CCB Acquired: 10/15/2025 12:43:09 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0016**	**.0012**	**.0023**	**-.0000**	**.0024**	**.0030**	**.0012**	**.0022**
Stddev	.0004	.0002	.0007	.0004	.0006	.0010	.0004	.0006
%RSD	25.40	19.79	30.34	11910.	23.76	34.09	33.33	29.14
#1	.0021	.0009	.0016	.0001	.0017	.0042	.0015	.0015
#2	.0014	.0014	.0029	.0003	.0028	.0028	.0012	.0028
#3	.0013	.0012	.0023	-.0004	.0026	.0021	.0007	.0023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**21518.**	**251180.**	**38312.**	**10444.**
Stddev	25.	1116.	109.	17.
%RSD	.11498	.44432	.28389	.16039
#1	21546.	251380.	38214.	10463.
#2	21508.	252180.	38429.	10431.
#3	21499.	249970.	38295.	10438.

Zoom In Zoom Out

Sample Name: JE20427-6 Acquired: 10/15/2025 12:48:11 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.1088**	**.0012**	**.1624**	**.0829**	**.0001**	**-.0001**	**44.08**	**.0005**
Stddev	.0001	.0059	.0005	.0006	.0001	.0000	.0011	.07	.0001
%RSD	88.22	5.466	39.89	.3810	.1672	26.39	1431.	.1484	19.76
#1	-.0001	.1106	.0011	.1617	.0828	.0000	.0012	44.01	.0006
#2	-.0002	.1137	.0017	.1628	.0831	.0001	-.0007	44.14	.0004
#3	-.0000	.1022	.0008	.1628	.0829	.0001	-.0007	44.09	.0005

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0040**	**.0017**	**.0005**	**.0026**	**.2674**	**2.628**	**.0080**	**11.23**	**.0842**
Stddev	.0012	.0000	.0002	.0007	.0010	.015	.0023	.02	.0014
%RSD	30.62	2.971	32.37	24.70	.3818	.5839	27.99	.1944	1.618
#1	.0034	.0016	.0003	.0021	.2664	2.643	.0063	11.21	.0831
#2	.0055	.0017	.0006	.0025	.2684	2.612	.0072	11.25	.0839
#3	.0032	.0017	.0004	.0034	.2672	2.628	.0106	11.22	.0857

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0029**	**51.84**	**.0020**	**.1420**	**.0017**	**14.47**	**.0098**	**.0044**	**4.356**
Stddev	.0001	.07	.0001	.0002	.0004	.03	.0009	.0008	.007
%RSD	4.779	.1313	7.256	.1060	23.05	.1858	9.075	17.43	.1543
#1	.0028	51.81	.0020	.1421	.0020	14.46	.0092	.0051	4.359
#2	.0029	51.92	.0019	.1418	.0018	14.46	.0094	.0036	4.349
#3	.0031	51.79	.0022	.1421	.0012	14.50	.0108	.0044	4.362

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0020**	**.3551**	**.0031**	**.0037**	**.0019**	**.0016**	**.0090**	**.0004**
Stddev	.0006	.0006	.0001	.0008	.0001	.0003	.0001	.0002
%RSD	30.86	.1587	3.435	20.60	5.677	20.86	.7632	49.93
#1	-.0026	.3546	.0032	.0038	.0020	.0014	.0090	.0005
#2	-.0019	.3557	.0030	.0029	.0020	.0015	.0089	.0002
#3	-.0014	.3549	.0031	.0045	.0018	.0020	.0091	.0004

Zoom In Zoom Out

Sample Name: JE20427-6 Acquired: 10/15/2025 12:48:11 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**20355.**	**243900.**	**38344.**	**10130.**
Stddev	37.	2897.	246.	23.
%RSD	.18311	1.1879	.64232	.22661
#1	20381.	246790.	38614.	10148.
#2	20372.	243930.	38131.	10139.
#3	20312.	240990.	38286.	10104.

Zoom In Zoom Out

Sample Name: JE20427-7 Acquired: 10/15/2025 12:53:09 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0541**	**.0013**	**.1511**	**.0908**	**.0001**	**-.0004**	**49.72**	**.0003**
Stddev	.0002	.0066	.0008	.0003	.0001	.0000	.0006	.02	.0001
%RSD	54.25	12.18	56.05	.1778	.1227	68.02	158.5	.0370	47.45
#1	.0005	.0593	.0009	.1508	.0908	.0001	-.0006	49.70	.0004
#2	.0006	.0562	.0022	.1513	.0907	.0000	-.0008	49.72	.0002
#3	.0002	.0467	.0010	.1512	.0909	.0001	.0003	49.74	.0002

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0056**	**.0014**	**.0004**	**.0029**	**.2136**	**2.643**	**.0076**	**12.98**	**.0584**
Stddev	.0032	.0000	.0001	.0002	.0011	.020	.0015	.03	.0005
%RSD	56.37	2.873	22.65	7.809	.5188	.7646	20.48	.2113	.9046
#1	.0091	.0014	.0003	.0028	.2143	2.639	.0058	12.98	.0582
#2	.0048	.0014	.0003	.0028	.2124	2.626	.0083	12.96	.0590
#3	.0030	.0014	.0004	.0032	.2142	2.665	.0086	13.01	.0580

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0029**	**48.07**	**.0020**	**.0928**	**.0015**	**13.11**	**.0098**	**.0030**	**5.886**
Stddev	.0002	.03	.0001	.0006	.0002	.03	.0006	.0004	.013
%RSD	6.425	.0677	3.616	.6677	10.07	.2090	6.020	12.66	.2186
#1	.0027	48.05	.0020	.0935	.0015	13.10	.0104	.0029	5.876
#2	.0028	48.05	.0019	.0925	.0014	13.09	.0094	.0026	5.883
#3	.0031	48.11	.0019	.0923	.0017	13.14	.0094	.0034	5.901

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0021**	**.2923**	**.0013**	**.0028**	**.0015**	**.0013**	**.0073**	**.0000**
Stddev	.0002	.0001	.0001	.0001	.0000	.0001	.0000	.0002
%RSD	10.73	.0243	11.09	4.245	2.424	9.102	.4112	544.8
#1	-.0020	.2923	.0013	.0027	.0014	.0012	.0074	.0002
#2	-.0019	.2924	.0011	.0029	.0015	.0013	.0073	-.0001
#3	-.0023	.2924	.0014	.0028	.0015	.0014	.0073	-.0001

Zoom In Zoom Out

Sample Name: JE20427-7 Acquired: 10/15/2025 12:53:09 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**20489.**	**242570.**	**38683.**	**10221.**
Stddev	25.	2265.	168.	15.
%RSD	.12148	.93375	.43551	.14193
#1	20462.	242840.	38846.	10206.
#2	20511.	240180.	38694.	10235.
#3	20493.	244690.	38510.	10222.

Zoom In Zoom Out

Sample Name: JE20427-6F Acquired: 10/15/2025 12:58:06 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0151**	**.0012**	**.1783**	**.0749**	**.0000**	**-.0002**	**41.63**	**-.0000**
Stddev	.0003	.0098	.0005	.0010	.0003	.0000	.0012	.09	.0000
%RSD	53.08	65.11	39.94	.5602	.3959	1367.	514.6	.2266	445.4
#1	.0008	.0051	.0010	.1795	.0750	.0000	-.0007	41.74	.0000
#2	.0005	.0247	.0009	.1777	.0746	-.0000	.0011	41.58	-.0001
#3	.0002	.0153	.0018	.1778	.0751	.0000	-.0011	41.57	.0000

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0055**	**.0016**	**.0002**	**.0019**	**.0525**	**2.777**	**.0096**	**10.31**	**.0257**
Stddev	.0020	.0002	.0001	.0004	.0020	.032	.0011	.03	.0001
%RSD	36.27	11.19	53.90	19.87	3.772	1.138	11.19	.3050	.5110
#1	.0032	.0014	.0003	.0015	.0513	2.810	.0109	10.34	.0256
#2	.0065	.0015	.0001	.0019	.0547	2.774	.0089	10.31	.0258
#3	.0068	.0018	.0001	.0023	.0514	2.747	.0092	10.27	.0259

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0038**	**56.99**	**.0017**	**.1583**	**.0019**	**16.15**	**.0101**	**.0010**	**2.974**
Stddev	.0001	.09	.0002	.0004	.0008	.04	.0010	.0014	.003
%RSD	1.683	.1492	12.35	.2342	42.94	.2399	10.13	140.2	.0980
#1	.0037	57.05	.0015	.1586	.0028	16.20	.0090	-.0003	2.977
#2	.0038	57.03	.0019	.1579	.0013	16.14	.0107	.0007	2.971
#3	.0039	56.90	.0016	.1584	.0015	16.12	.0108	.0026	2.974

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0020**	**.4254**	**-.0002**	**.0033**	**.0017**	**.0013**	**.0058**	**-.0000**
Stddev	.0004	.0010	.0004	.0002	.0001	.0007	.0000	.0001
%RSD	21.67	.2263	228.7	5.093	4.821	52.28	.4046	673.9
#1	-.0025	.4265	-.0007	.0032	.0018	.0020	.0057	-.0001
#2	-.0017	.4249	-.0000	.0034	.0017	.0006	.0058	-.0001
#3	-.0018	.4248	.0002	.0031	.0017	.0012	.0058	.0001

Zoom In Zoom Out

Sample Name: JE20427-6F Acquired: 10/15/2025 12:58:06 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**20322.**	**244490.**	**38421.**	**10179.**
Stddev	4.	2032.	134.	10.
%RSD	.01911	.83123	.34865	.09939
#1	20322.	246310.	38267.	10169.
#2	20326.	244850.	38513.	10178.
#3	20318.	242290.	38483.	10189.

Zoom In Zoom Out

Sample Name: JE20427-7F Acquired: 10/15/2025 13:03:03 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**.0228**	**.0010**	**.1497**	**.0887**	**-.0000**	**-.0008**	**50.19**	**.0003**
Stddev	.0002	.0072	.0003	.0008	.0003	.0000	.0007	.05	.0001
%RSD	813.2	31.61	31.27	.5667	.3213	43.53	81.64	.0981	19.89
#1	.0001	.0246	.0010	.1507	.0889	-.0000	-.0000	50.23	.0004
#2	-.0002	.0149	.0014	.1493	.0884	-.0001	-.0011	50.20	.0003
#3	.0001	.0290	.0007	.1491	.0887	-.0000	-.0012	50.14	.0003

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0058**	**.0016**	**.0002**	**.0007**	**.0603**	**2.724**	**.0078**	**13.28**	**.0132**
Stddev	.0023	.0003	.0000	.0003	.0011	.020	.0007	.00	.0001
%RSD	40.25	17.35	16.94	42.68	1.833	.7309	8.451	.0189	.4353
#1	.0083	.0019	.0002	.0004	.0614	2.747	.0085	13.28	.0132
#2	.0038	.0016	.0003	.0006	.0602	2.715	.0072	13.28	.0133
#3	.0052	.0014	.0002	.0009	.0592	2.710	.0078	13.28	.0132

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0028**	**48.81**	**.0016**	**.0767**	**.0011**	**12.92**	**.0095**	**.0054**	**5.821**
Stddev	.0001	.00	.0002	.0005	.0002	.01	.0005	.0013	.002
%RSD	2.589	.0056	11.04	.6835	22.73	.0422	5.309	24.31	.0349
#1	.0028	48.82	.0016	.0766	.0011	12.92	.0098	.0064	5.821
#2	.0029	48.81	.0014	.0773	.0008	12.93	.0098	.0059	5.823
#3	.0028	48.81	.0018	.0763	.0013	12.92	.0089	.0039	5.819

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0021**	**.2907**	**-.0005**	**.0038**	**.0015**	**.0013**	**.0048**	**-.0001**
Stddev	.0001	.0002	.0003	.0004	.0001	.0004	.0001	.0000
%RSD	2.807	.0786	60.12	9.298	3.955	32.43	1.599	14.24
#1	-.0020	.2905	-.0002	.0038	.0015	.0017	.0049	-.0001
#2	-.0020	.2908	-.0007	.0035	.0015	.0015	.0048	-.0001
#3	-.0021	.2909	-.0007	.0042	.0014	.0009	.0048	-.0001

Zoom In Zoom Out

Sample Name: JE20427-7F Acquired: 10/15/2025 13:03:03 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**20304.**	**246040.**	**37936.**	**10206.**
Stddev	70.	754.	254.	35.
%RSD	.34400	.30635	.66935	.34173
#1	20328.	245750.	38199.	10202.
#2	20359.	245470.	37917.	10243.
#3	20226.	246890.	37692.	10174.

Zoom In Zoom Out

Sample Name: JE20547-1 Acquired: 10/15/2025 13:07:56 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**.0489**	**.1616**	**.0235**	**.0984**	**.0000**	**-.0011**	**5.308**	**.0007**
Stddev	.0002	.0044	.0015	.0005	.0004	.0000	.0012	.008	.0001
%RSD	127.5	9.080	.9330	1.930	.3866	82.99	105.2	.1452	13.39
#1	.0001	.0486	.1617	.0233	.0984	.0000	-.0019	5.300	.0006
#2	-.0002	.0446	.1601	.0241	.0987	.0000	.0002	5.315	.0008
#3	-.0003	.0534	.1631	.0233	.0980	.0000	-.0017	5.307	.0008

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0009**	**.0014**	**.0003**	**.0008**	**.6816**	**2.215**	**.0021**	**2.183**	**.0861**
Stddev	.0014	.0001	.0001	.0004	.0006	.020	.0011	.015	.0001
%RSD	161.5	6.236	23.70	44.90	.0843	.9232	49.57	.6733	.1471
#1	.0011	.0014	.0003	.0004	.6823	2.238	.0010	2.170	.0860
#2	-.0006	.0015	.0004	.0009	.6813	2.208	.0031	2.199	.0862
#3	.0022	.0013	.0002	.0011	.6812	2.199	.0022	2.180	.0860

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**9.725**	**.0026**	**.0091**	**-.0003**	**1.652**	**.0032**	**.0023**	**4.376**
Stddev	.0001	.023	.0002	.0009	.0008	.005	.0010	.0004	.003
%RSD	19.87	.2363	5.917	9.964	277.4	.2900	30.56	16.32	.0712
#1	.0003	9.731	.0027	.0086	-.0006	1.652	.0043	.0021	4.379
#2	.0003	9.744	.0027	.0101	-.0008	1.647	.0025	.0028	4.373
#3	.0002	9.699	.0024	.0085	.0006	1.657	.0028	.0022	4.378

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0004**	**.0312**	**.0000**	**.0005**	**.0004**	**-.0003**	**.0233**	**.0001**
Stddev	.0001	.0001	.0002	.0007	.0001	.0004	.0001	.0001
%RSD	21.66	.2486	446.8	148.5	13.85	128.7	.2315	75.59
#1	-.0003	.0312	.0003	.0013	.0005	-.0008	.0233	.0000
#2	-.0005	.0313	-.0001	.0003	.0004	.0001	.0233	.0001
#3	-.0004	.0311	-.0001	-.0001	.0004	-.0003	.0234	.0001

Zoom In Zoom Out

Sample Name: JE20547-1 Acquired: 10/15/2025 13:07:56 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**21102.**	**253200.**	**38216.**	**10408.**
Stddev	42.	835.	67.	20.
%RSD	.19932	.32995	.17466	.19425
#1	21149.	252240.	38207.	10426.
#2	21091.	253610.	38155.	10410.
#3	21067.	253760.	38287.	10386.

Zoom In Zoom Out

Sample Name: JE20547-1F Acquired: 10/15/2025 13:12:49 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007**	**.0290**	**.1086**	**.0178**	**.0940**	**.0000**	**-.0011**	**5.134**	**.0006**
Stddev	.0002	.0112	.0006	.0003	.0002	.0000	.0012	.004	.0000
%RSD	24.51	38.58	.5535	1.889	.1816	204.5	113.2	.0861	1.868
#1	.0009	.0224	.1090	.0179	.0941	.0001	-.0003	5.135	.0006
#2	.0006	.0420	.1089	.0181	.0940	.0000	-.0025	5.129	.0006
#3	.0007	.0227	.1079	.0174	.0938	-.0000	-.0004	5.138	.0005

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0013**	**.0015**	**.0002**	**.0003**	**.2471**	**2.108**	**-.0001**	**2.098**	**.0846**
Stddev	.0009	.0001	.0002	.0005	.0010	.042	.0018	.010	.0014
%RSD	69.71	8.895	79.53	167.6	.4128	1.971	1560.	.4687	1.634
#1	-.0003	.0015	.0000	-.0003	.2483	2.075	.0017	2.108	.0831
#2	-.0015	.0017	.0003	.0005	.2467	2.093	-.0019	2.088	.0853
#3	-.0020	.0015	.0003	.0007	.2463	2.154	-.0001	2.098	.0856

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**9.312**	**.0026**	**.0032**	**.0006**	**1.604**	**.0033**	**.0012**	**3.878**
Stddev	.0002	.021	.0001	.0003	.0006	.002	.0019	.0006	.004
%RSD	30.09	.2240	4.384	10.76	108.3	.1192	58.93	50.96	.1062
#1	.0006	9.334	.0025	.0032	.0011	1.604	.0041	.0018	3.878
#2	.0003	9.293	.0027	.0035	.0006	1.602	.0046	.0009	3.875
#3	.0006	9.307	.0026	.0028	-.0001	1.606	.0011	.0007	3.883

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0004**	**.0301**	**-.0002**	**.0002**	**.0002**	**.0006**	**.0187**	**.0001**
Stddev	.0001	.0000	.0001	.0006	.0000	.0007	.0000	.0001
%RSD	22.75	.1093	91.16	267.1	11.37	107.1	.2338	61.01
#1	-.0003	.0301	-.0001	.0008	.0002	.0010	.0187	.0000
#2	-.0004	.0300	-.0003	.0002	.0001	.0010	.0188	.0002
#3	-.0004	.0300	-.0001	-.0004	.0001	-.0001	.0187	.0002

Zoom In Zoom Out

Sample Name: JE20547-1F Acquired: 10/15/2025 13:12:49 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**21087.**	**253910.**	**38504.**	**10365.**
Stddev	79.	3575.	229.	55.
%RSD	.37338	1.4079	.59413	.52806
#1	21134.	258010.	38677.	10395.
#2	21131.	252300.	38590.	10399.
#3	20996.	251420.	38244.	10302.

Inst QC: MA59558

Zoom In Zoom Out

Sample Name: JE20771-3 Acquired: 10/15/2025 13:17:44 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0012**	**19.38**	**.0325**	**.3050**	**.8853**	**.0027**	**-.0038**	**150.5**	**.0022**
Stddev	.0002	.05	.0008	.0009	.0019	.0000	.0011	1.5	.0002
%RSD	20.61	.2392	2.498	.2810	.2158	1.511	28.49	.9830	9.472
#1	-.0010	19.42	.0325	.3050	.8867	.0026	-.0034	152.2	.0021
#2	-.0015	19.40	.0333	.3041	.8861	.0027	-.0050	150.0	.0024
#3	-.0011	19.33	.0316	.3058	.8831	.0027	-.0029	149.4	.0021

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1149**	**.0219**	**.0378**	**.0462**	**39.57**	**27.85**	**.1005**	**79.48**	F **9.048**
Stddev	.0021	.0002	.0003	.0008	.07	.09	.0035	.14	.129
%RSD	1.804	.8447	.8585	1.631	.1724	.3369	3.461	.1713	1.420
#1	.1172	.0217	.0380	.0471	39.62	27.75	.0969	79.56	9.197
#2	.1140	.0219	.0374	.0459	39.60	27.87	.1008	79.55	8.970
#3	.1134	.0221	.0380	.0457	39.50	27.94	.1038	79.32	8.979

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0017**	F **755.3**	**.0419**	**1.859**	**.1185**	**17.20**	**.0131**	**.0061**	F **32.26**
Stddev	.0001	4.7	.0002	.002	.0008	.02	.0014	.0020	.05
%RSD	6.481	.6235	.4653	.1276	.6475	.1128	10.43	33.16	.1612
#1	.0016	757.2	.0417	1.859	.1184	17.20	.0124	.0067	32.29
#2	.0017	758.7	.0419	1.856	.1193	17.17	.0147	.0077	32.20
#3	.0018	749.9	.0421	1.861	.1178	17.21	.0123	.0038	32.30

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0049**	**1.419**	**.3341**	**.0066**	**.0928**	**.0005**	**2.315**	**.0034**
Stddev	.0003	.004	.0054	.0003	.0012	.0008	.001	.0001
%RSD	6.143	.2432	1.618	5.095	1.257	162.3	.0315	1.837
#1	.0048	1.421	.3331	.0070	.0942	.0006	2.315	.0034
#2	.0052	1.421	.3400	.0065	.0923	.0013	2.314	.0034
#3	.0046	1.415	.3293	.0063	.0920	-.0004	2.316	.0033

Zoom In Zoom Out

Sample Name: JE20771-3 Acquired: 10/15/2025 13:17:44 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**17891.**	**227640.**	**37871.**	**9714.4**
Stddev	15.	3043.	194.	6.7
%RSD	.08409	1.3365	.51308	.06894
#1	17878.	224240.	37671.	9712.3
#2	17908.	230100.	37885.	9721.9
#3	17888.	228600.	38058.	9708.9

Zoom In Zoom Out

Sample Name: JE20519-2 Acquired: 10/15/2025 13:23:03 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: SUNOCOQC

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0014**	**.3051**	**.0042**	**.2187**	**.0383**	**.0013**	**.0037**	**264.9**	**-.0025**
Stddev	.0004	.0046	.0011	.0006	.0004	.0001	.0007	5.4	.0003
%RSD	30.61	1.519	27.00	.2888	1.121	6.036	18.38	2.022	12.03
#1	-.0010	.3015	.0036	.2194	.0388	.0013	.0041	270.8	-.0028
#2	-.0014	.3103	.0055	.2181	.0381	.0014	.0040	263.3	-.0024
#3	-.0018	.3035	.0035	.2185	.0380	.0012	.0029	260.5	-.0022

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1148**	**.0869**	**-.0033**	**.0072**	**19.27**	**21.35**	**.0001**	**55.47**	**12.56**
Stddev	.0009	.0001	.0003	.0006	.03	.04	.0049	.16	.07
%RSD	.7487	.0933	10.45	8.992	.1529	.1974	8240.	.2964	.5417
#1	.1148	.0868	-.0031	.0067	19.29	21.40	.0025	55.61	12.48
#2	.1139	.0869	-.0031	.0079	19.28	21.32	.0032	55.51	12.61
#3	.1156	.0869	-.0037	.0071	19.23	21.32	-.0055	55.29	12.58

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0028**	**117.4**	**.0426**	**.0046**	**.0045**	F **299.9**	**.0215**	**.0078**	**4.053**
Stddev	.0002	.3	.0004	.0021	.0005	.5	.0003	.0013	.004
%RSD	6.607	.2641	.9277	45.08	11.59	.1638	1.628	16.56	.1092
#1	.0028	117.7	.0423	.0065	.0043	299.4	.0211	.0066	4.056
#2	.0026	117.3	.0424	.0049	.0041	300.0	.0217	.0092	4.048
#3	.0030	117.1	.0430	.0024	.0051	300.3	.0217	.0077	4.054

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0041**	**.9505**	**-.0011**	**.0120**	**-.0012**	**-.0018**	**.0685**	**.0004**
Stddev	.0011	.0006	.0002	.0027	.0006	.0006	.0005	.0001
%RSD	27.21	.0680	14.75	22.78	44.40	32.14	.7202	17.64
#1	-.0049	.9512	-.0011	.0127	-.0009	-.0024	.0683	.0003
#2	-.0046	.9500	-.0009	.0143	-.0019	-.0017	.0682	.0003
#3	-.0028	.9502	-.0012	.0090	-.0010	-.0013	.0691	.0005

Zoom In Zoom Out

Sample Name: JE20519-2 Acquired: 10/15/2025 13:23:03 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: SUNOCOQC

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**19524.**	**239740.**	**37571.**	**9923.3**
Stddev	48.	2144.	266.	36.5
%RSD	.24645	.89424	.70921	.36786
#1	19560.	242180.	37266.	9954.5
#2	19543.	238170.	37763.	9932.1
#3	19470.	238870.	37682.	9883.1

Inst QC: MA59558

Zoom In / Zoom Out

Sample Name: CCV Acquired: 10/15/2025 13:28:16 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2466**	**40.14**	**2.009**	**2.030**	**2.014**	**1.997**	**2.021**	**40.17**	**2.039**
Stddev	.0004	.05	.003	.001	.002	.033	.003	.04	.002
%RSD	.1661	.1308	.1659	.0485	.0765	1.658	.1635	.1022	.1088
#1	.2463	40.16	2.006	2.029	2.015	2.022	2.018	40.22	2.036
#2	.2471	40.17	2.008	2.030	2.013	1.960	2.022	40.15	2.039
#3	.2465	40.08	2.012	2.030	2.012	2.009	2.024	40.14	2.041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.028**	**2.015**	**2.033**	**1.968**	**40.43**	**39.89**	**2.018**	**40.21**	**2.042**
Stddev	.005	.001	.001	.007	.01	.08	.003	.04	.016
%RSD	.2666	.0599	.0252	.3735	.0202	.1888	.1691	.0925	.7973
#1	2.025	2.013	2.033	1.962	40.43	39.92	2.020	40.25	2.057
#2	2.034	2.015	2.033	1.976	40.43	39.94	2.020	40.18	2.024
#3	2.024	2.016	2.032	1.966	40.44	39.80	2.014	40.21	2.044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.034**	**40.55**	**2.035**	**2.039**	**2.023**	**2.009**	**2.032**	**2.027**	**4.959**
Stddev	.003	.03	.001	.004	.003	.003	.005	.003	.004
%RSD	.1354	.0677	.0319	.2083	.1424	.1610	.2557	.1454	.0879
#1	2.032	40.55	2.035	2.037	2.021	2.012	2.026	2.025	4.954
#2	2.033	40.58	2.035	2.037	2.022	2.006	2.036	2.026	4.960
#3	2.037	40.53	2.036	2.044	2.026	2.009	2.035	2.031	4.963
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In / Zoom Out

Sample Name: CCV Acquired: 10/15/2025 13:28:16 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.062**	**1.992**	**2.016**	**2.049**	**2.026**	**1.992**	**2.051**	**2.024**
Stddev	.004	.015	.001	.001	.004	.003	.004	.003
%RSD	.2019	.7376	.0300	.0434	.1952	.1468	.2191	.1422
#1	2.058	2.007	2.016	2.048	2.024	1.989	2.047	2.022
#2	2.062	1.977	2.017	2.049	2.031	1.991	2.050	2.027
#3	2.067	1.993	2.016	2.050	2.024	1.995	2.056	2.022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**19942.**	**242130.**	**37765.**	**10095.**
Stddev	50.	1364.	117.	37.
%RSD	.24993	.56311	.31096	.36461
#1	19995.	240640.	37631.	10134.
#2	19934.	243330.	37851.	10089.
#3	19897.	242420.	37811.	10061.

Zoom In / Zoom Out

Sample Name: CCB Acquired: 10/15/2025 13:33:33 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0072**	**.0005**	**.0040**	**.0004**	**.0004**	**.0006**	**.0058**	**.0001**
Stddev	.0001	.0056	.0004	.0004	.0000	.0001	.0002	.0014	.0002
%RSD	23.32	77.88	80.15	10.62	9.881	17.56	33.64	23.66	174.9
#1	.0005	.0031	.0008	.0042	.0005	.0004	.0003	.0042	.0003
#2	.0004	.0136	.0000	.0043	.0004	.0004	.0007	.0063	-.0001
#3	.0003	.0049	.0008	.0035	.0004	.0005	.0006	.0068	.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0029**	**.0001**	**.0004**	**-.0005**	**.0093**	**.1061**	**.0023**	**.0123**	**.0003**
Stddev	.0022	.0001	.0002	.0005	.0015	.0137	.0015	.0028	.0001
%RSD	76.35	54.25	37.52	100.4	15.71	12.93	65.95	22.61	19.43
#1	.0006	.0002	.0004	-.0009	.0081	.0991	.0034	.0121	.0004
#2	.0049	.0001	.0003	-.0006	.0089	.1219	.0031	.0096	.0004
#3	.0030	.0001	.0006	.0000	.0110	.0973	.0006	.0151	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.1477**	**-.0000**	**-.0000**	**.0004**	**.0065**	**.0009**	**.0008**	**.0036**
Stddev	.0003	.0085	.0001	.0004	.0007	.0004	.0006	.0016	.0009
%RSD	95.42	5.785	451.2	38070.	160.0	5.684	62.57	202.2	25.80
#1	.0006	.1438	.0001	.0003	-.0002	.0069	.0003	-.0005	.0046
#2	.0001	.1575	.0000	-.0004	.0003	.0062	.0015	.0003	.0029
#3	.0001	.1418	-.0002	.0001	.0012	.0063	.0009	.0025	.0032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In / Zoom Out

Sample Name: CCB Acquired: 10/15/2025 13:33:33 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0004**	**.0002**	**.0005**	**.0004**	**-.0002**	**.0001**	**.0003**
Stddev	.0003	.0001	.0001	.0002	.0001	.0007	.0002	.0002
%RSD	459.7	17.84	66.29	41.24	21.40	469.4	238.6	79.34
#1	.0004	.0003	.0002	.0007	.0003	-.0004	.0003	.0006
#2	.0000	.0004	.0003	.0005	.0005	.0007	.0000	.0002
#3	-.0002	.0004	.0001	.0003	.0005	-.0007	-.0001	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**21492.**	**248800.**	**38167.**	**10397.**
Stddev	11.	5972.	265.	7.
%RSD	.04906	2.4002	.69458	.06271
#1	21504.	252090.	38438.	10390.
#2	21487.	252400.	38155.	10403.
#3	21484.	241900.	37908.	10399.

Inst QC: MA59558

Zoom In / Zoom Out

Sample Name: CRI Acquired: 10/15/2025 13:38:35 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0050**	**.2223**	**.0095**	**.1059**	**.2050**	**.0022**	**.0220**	**5.156**	**.0033**
Stddev	.0003	.0062	.0005	.0007	.0005	.0000	.0004	.004	.0001
%RSD	6.398	2.774	5.630	.6727	.2231	1.831	2.012	.0879	1.644
#1	.0053	.2157	.0098	.1064	.2054	.0023	.0224	5.150	.0032
#2	.0052	.2234	.0089	.1051	.2045	.0022	.0215	5.159	.0032
#3	.0047	.2279	.0099	.1063	.2052	.0023	.0221	5.157	.0033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0028**	**.0505**	**.0110**	**.0090**	**.1094**	**5.181**	**.0539**	**5.279**	**.0164**
Stddev	.0025	.0002	.0003	.0006	.0003	.020	.0016	.014	.0002
%RSD	89.27	.3698	2.911	6.145	.3048	.3808	2.894	.2724	1.184
#1	.0008	.0506	.0110	.0092	.1092	5.164	.0542	5.263	.0163
#2	.0056	.0503	.0106	.0084	.1093	5.178	.0522	5.289	.0162
#3	.0021	.0505	.0113	.0095	.1098	5.203	.0553	5.286	.0166
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0216**	**5.331**	**.0106**	**.0511**	**.0036**	**.0549**	**.0069**	**.0115**	**.2060**
Stddev	.0001	.010	.0001	.0010	.0004	.0018	.0004	.0006	.0009
%RSD	.4644	.1802	.6931	2.002	10.70	3.207	6.236	5.482	.4523
#1	.0215	5.320	.0106	.0520	.0034	.0535	.0074	.0108	.2068
#2	.0217	5.333	.0105	.0500	.0033	.0569	.0067	.0115	.2062
#3	.0217	5.339	.0106	.0514	.0040	.0544	.0067	.0121	.2050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In / Zoom Out

Sample Name: CRI Acquired: 10/15/2025 13:38:35 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0104**	**.0105**	**.0105**	**.0106**	**.0526**	**.0505**	**.0222**	**.0105**
Stddev	.0005	.0001	.0003	.0008	.0011	.0003	.0001	.0002
%RSD	4.938	.7165	2.692	7.825	2.100	.6762	.3460	2.314
#1	.0106	.0104	.0107	.0115	.0528	.0509	.0222	.0105
#2	.0098	.0105	.0102	.0102	.0514	.0502	.0223	.0103
#3	.0107	.0105	.0106	.0100	.0535	.0505	.0222	.0108
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**21177.**	**246370.**	**37925.**	**10305.**
Stddev	39.	3079.	173.	21.
%RSD	.18450	1.2499	.45510	.20758
#1	21170.	247120.	38108.	10304.
#2	21218.	249000.	37901.	10327.
#3	21141.	242980.	37765.	10284.

Zoom In / Zoom Out

Sample Name: ICSA Acquired: 10/15/2025 13:43:32 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0008**	**499.5**	**-.0019**	**.0011**	**-.0067**	**.0004**	**.0033**	**383.7**	**-.0025**
Stddev	.0004	7.5	.0017	.0006	.0003	.0001	.0016	3.2	.0003
%RSD	51.57	1.504	89.59	53.77	4.038	17.38	48.08	.8229	10.32
#1	.0006	490.9	-.0008	.0006	-.0064	.0005	.0039	385.9	-.0024
#2	.0005	504.8	-.0010	.0018	-.0068	.0003	.0015	380.1	-.0028
#3	.0012	502.7	-.0038	.0010	-.0069	.0004	.0044	385.1	-.0024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0106**	**-.0026**	**-.0002**	**-.0028**	**189.1**	**.1814**	**.0047**	**492.9**	**-.0021**
Stddev	.0027	.0002	.0004	.0018	4.0	.0097	.0017	.7	.0000
%RSD	25.20	6.295	174.0	63.30	2.102	5.348	36.97	.1369	1.622
#1	.0120	-.0026	.0002	-.0009	192.6	.1790	.0036	493.0	-.0020
#2	.0075	-.0027	-.0004	-.0030	190.0	.1732	.0067	493.6	-.0021
#3	.0122	-.0024	-.0004	-.0045	184.8	.1921	.0037	492.2	-.0021
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0049**	**.1620**	**.0008**	**-.0110**	**-.0023**	**-.0031**	**-.0038**	**-.0026**	**.0037**
Stddev	.0002	.0072	.0003	.0021	.0001	.0018	.0008	.0063	.0002
%RSD	3.367	4.423	36.99	19.01	5.626	57.00	20.87	241.9	5.367
#1	-.0050	.1701	.0008	-.0092	-.0022	-.0052	-.0034	.0046	.0037
#2	-.0050	.1592	.0006	-.0133	-.0024	-.0025	-.0032	-.0073	.0039
#3	-.0047	.1565	.0012	-.0105	-.0024	-.0018	-.0047	-.0051	.0035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In / Zoom Out

Sample Name: ICSA Acquired: 10/15/2025 13:43:32 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0003**	**-.0008**	**-.0006**	**.0019**	**-.0021**	**-.0004**	**-.0033**	**.0008**
Stddev	.0009	.0001	.0002	.0013	.0000	.0007	.0002	.0002
%RSD	365.5	11.07	28.62	71.14	.3378	195.7	6.004	27.46
#1	-.0001	-.0008	-.0008	.0022	-.0021	-.0010	-.0034	.0006
#2	-.0012	-.0009	-.0005	.0030	-.0021	.0004	-.0034	.0009
#3	.0006	-.0007	-.0006	.0004	-.0021	-.0005	-.0031	.0010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**18209.**	**214330.**	**36492.**	**9386.1**
Stddev	8.	2610.	156.	4.9
%RSD	.04228	1.2180	.42649	.05245
#1	18217.	217340.	36654.	9391.1
#2	18202.	212780.	36343.	9381.3
#3	18210.	212860.	36478.	9385.8

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 10/15/2025 13:48:49 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.136**	**498.7**	**.9959**	**.4989**	**.4917**	**.4892**	**.5050**	**376.6**	**1.028**
Stddev	.018	1.6	.0012	.0010	.0004	.0006	.0013	4.0	.001
%RSD	1.540	.3290	.1221	.2103	.0854	.1311	.2608	1.056	.1120
#1	1.146	499.8	.9953	.4984	.4920	.4896	.5062	376.2	1.027
#2	1.116	499.5	.9951	.4982	.4912	.4896	.5036	372.9	1.028
#3	1.147	496.8	.9973	.5001	.4919	.4885	.5052	380.8	1.030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5111**	**.4780**	**.4817**	**.5154**	**188.6**	**.1591**	**.5438**	**487.4**	**.5096**
Stddev	.0092	.0011	.0064	.0080	2.9	.0196	.0011	.5	.0075
%RSD	1.798	.2243	1.320	1.554	1.530	12.29	.1985	.0967	1.481
#1	.5191	.4772	.4853	.5204	185.4	.1583	.5442	487.5	.5135
#2	.5011	.4777	.4744	.5062	191.0	.1399	.5426	487.9	.5008
#3	.5133	.4792	.4854	.5196	189.4	.1790	.5446	486.9	.5143
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4820**	**.1309**	**.9754**	**.5125**	**.9275**	**.4902**	**1.012**	**.9913**	**.4909**
Stddev	.0005	.0120	.0018	.0022	.0017	.0031	.005	.0025	.0021
%RSD	.1088	9.196	.1894	.4315	.1787	.6247	.5225	.2512	.4365
#1	.4819	.1229	.9746	.5103	.9257	.4923	1.009	.9896	.4902
#2	.4816	.1447	.9741	.5126	.9290	.4867	1.009	.9901	.4892
#3	.4826	.1250	.9775	.5147	.9278	.4917	1.018	.9941	.4933
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 10/15/2025 13:48:49 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4705**	**.4958**	**.5018**	**.9428**	**.5013**	**.4681**	**.9398**	**.4703**
Stddev	.0009	.0004	.0068	.0008	.0072	.0006	.0008	.0068
%RSD	.1857	.0792	1.354	.0891	1.430	.1216	.0903	1.440
#1	.4703	.4961	.5061	.9423	.5048	.4682	.9399	.4740
#2	.4715	.4954	.4940	.9423	.4931	.4675	.9389	.4624
#3	.4698	.4960	.5053	.9437	.5061	.4686	.9406	.4743
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**18224.**	**215770.**	**36809.**	**9375.1**
Stddev	16.	2647.	65.	17.1
%RSD	.08708	1.2266	.17759	.18231
#1	18206.	214620.	36796.	9355.4
#2	18235.	218800.	36880.	9386.5
#3	18231.	213890.	36751.	9383.3

Zoom In Zoom Out

Sample Name: CCV Acquired: 10/15/2025 13:54:06 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2476**	**40.41**	**2.038**	**2.055**	**2.042**	**2.024**	**2.045**	**40.70**	**2.061**
Stddev	.0026	.04	.001	.003	.003	.008	.004	.02	.002
%RSD	1.036	.0910	.0273	.1658	.1363	.3845	.1907	.0390	.0989
#1	.2449	40.42	2.038	2.051	2.040	2.022	2.042	40.72	2.059
#2	.2480	40.44	2.039	2.056	2.045	2.033	2.044	40.71	2.062
#3	.2500	40.37	2.038	2.058	2.042	2.018	2.050	40.69	2.063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.034**	**2.035**	**2.068**	**1.967**	**40.76**	**40.42**	**2.023**	**40.64**	**2.060**
Stddev	.019	.002	.018	.022	.03	.09	.003	.07	.031
%RSD	.9401	.0930	.8530	1.119	.0764	.2176	.1212	.1670	1.511
#1	2.013	2.033	2.050	1.945	40.79	40.32	2.021	40.71	2.026
#2	2.039	2.035	2.069	1.969	40.76	40.47	2.022	40.63	2.068
#3	2.050	2.037	2.085	1.988	40.73	40.48	2.025	40.58	2.087
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.063**	**40.83**	**2.056**	**2.076**	**2.045**	**2.032**	**2.065**	**2.057**	**5.016**
Stddev	.001	.02	.002	.004	.005	.004	.001	.003	.005
%RSD	.0407	.0569	.0712	.1724	.2298	.1912	.0254	.1475	.1075
#1	2.062	40.84	2.055	2.076	2.040	2.034	2.065	2.055	5.009
#2	2.062	40.84	2.056	2.073	2.047	2.028	2.065	2.061	5.018
#3	2.064	40.80	2.058	2.080	2.049	2.034	2.066	2.055	5.019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: CCV Acquired: 10/15/2025 13:54:06 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.089**	**2.053**	**2.061**	**2.057**	**2.047**	**2.017**	**2.071**	**2.073**
Stddev	.001	.034	.016	.004	.018	.003	.000	.017
%RSD	.0600	1.666	.7971	.2138	.8743	.1492	.0147	.8362
#1	2.091	2.058	2.045	2.052	2.028	2.014	2.071	2.055
#2	2.089	2.085	2.062	2.057	2.049	2.019	2.071	2.074
#3	2.089	2.017	2.078	2.061	2.063	2.019	2.072	2.090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**20037.**	**241650.**	**37682.**	**10108.**
Stddev	16.	2055.	72.	12.
%RSD	.08125	.85054	.19215	.11640
#1	20032.	243940.	37702.	10095.
#2	20055.	241030.	37742.	10116.
#3	20024.	239980.	37601.	10114.

Inst QC: MA59558

Zoom In Zoom Out

Sample Name: CCB Acquired: 10/15/2025 13:59:24 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0386**	**.0015**	**.0055**	**.0012**	**.0010**	**.0006**	**.0348**	**.0008**
Stddev	.0001	.0193	.0003	.0007	.0007	.0006	.0012	.0190	.0004
%RSD	24.61	49.91	20.18	12.83	62.41	54.14	192.3	54.75	47.55
#1	.0006	.0184	.0019	.0062	.0005	.0006	.0019	.0182	.0012
#2	.0005	.0408	.0014	.0049	.0010	.0009	-.0006	.0305	.0006
#3	.0004	.0568	.0013	.0053	.0020	.0017	.0007	.0556	.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0024**	**.0008**	**.0018**	**.0015**	**.0262**	**.0542**	**.0020**	**.0409**	**.0019**
Stddev	.0021	.0006	.0000	.0004	.0130	.0151	.0017	.0174	.0001
%RSD	89.44	81.32	2.534	27.20	49.70	27.85	82.22	42.55	3.686
#1	.0045	.0014	.0018	.0015	.0149	.0400	.0018	.0271	.0019
#2	.0023	.0007	.0019	.0011	.0233	.0525	.0005	.0351	.0019
#3	.0003	.0002	.0018	.0019	.0404	.0700	.0038	.0604	.0018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0011**	**.0966**	**.0008**	**.0008**	**.0012**	**.0022**	**.0024**	**.0011**	**.0044**
Stddev	.0003	.0223	.0003	.0010	.0005	.0018	.0008	.0012	.0005
%RSD	28.98	23.04	39.19	115.2	38.75	82.31	34.16	107.1	12.46
#1	.0014	.0730	.0012	.0019	.0017	.0025	.0031	.0025	.0050
#2	.0012	.0997	.0008	.0006	.0008	.0002	.0015	.0005	.0043
#3	.0008	.1172	.0006	.0000	.0012	.0038	.0026	.0004	.0039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: CCB Acquired: 10/15/2025 13:59:24 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0014**	**.0012**	**.0016**	**.0010**	**.0016**	**.0015**	**.0009**	**.0017**
Stddev	.0003	.0006	.0002	.0005	.0002	.0009	.0004	.0001
%RSD	20.85	48.93	11.46	54.44	12.53	60.33	45.83	3.059
#1	.0017	.0007	.0018	.0014	.0014	.0024	.0013	.0017
#2	.0012	.0010	.0017	.0011	.0018	.0013	.0007	.0017
#3	.0012	.0018	.0014	.0004	.0015	.0007	.0006	.0016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**21443.**	**251990.**	**38401.**	**10402.**
Stddev	15.	2805.	425.	7.
%RSD	.07119	1.1131	1.1077	.06799
#1	21436.	251180.	38311.	10395.
#2	21461.	255110.	38028.	10410.
#3	21432.	249680.	38864.	10402.

Zoom In Zoom Out

Sample Name: MGCONF Acquired: 10/15/2025 14:04:28 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0010**	**-.0010**	**.0074**	**.0002**	**-.0000**	**.0002**	**.0055**	**.0002**
Stddev	.0001	.0028	.0006	.0006	.0001	.0000	.0008	.0010	.0001
%RSD	114.6	279.0	61.47	8.117	46.19	305.1	329.9	18.57	24.73
#1	.0002	.0035	-.0009	.0078	.0001	.0000	.0011	.0055	.0002
#2	-.0000	.0015	-.0016	.0078	.0003	-.0000	-.0001	.0065	.0002
#3	.0001	-.0020	-.0004	.0067	.0003	.0000	-.0003	.0044	.0003

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**-.0000**	**.0001**	**-.0033**	**.0037**	**.0494**	**.0032**	F **520.7**	**-.0019**
Stddev	.0007	.0002	.0001	.0001	.0004	.0088	.0012	.9	.0000
%RSD	111.2	954.0	226.7	2.059	11.55	17.82	37.14	.1812	2.206
#1	.0014	.0001	.0000	-.0033	.0033	.0466	.0046	521.3	-.0019
#2	.0002	-.0002	-.0001	-.0032	.0041	.0423	.0024	521.3	-.0019
#3	.0002	.0001	.0002	-.0033	.0037	.0593	.0027	519.7	-.0018

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0784**	**-.0000**	**-.0031**	**.0002**	**-.0110**	**-.0010**	**-.0000**	**.0011**
Stddev	.0001	.0028	.0000	.0001	.0008	.0005	.0006	.0024	.0004
%RSD	19.52	3.548	105.4	3.346	359.9	4.870	57.60	12130.	35.17
#1	.0003	.0803	-.0000	-.0030	.0006	-.0106	-.0007	-.0019	.0015
#2	.0004	.0752	-.0000	-.0030	-.0007	-.0116	-.0016	.0027	.0008
#3	.0003	.0797	-.0001	-.0032	.0008	-.0108	-.0006	-.0009	.0009

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0017**	**-.0010**	**.0003**	**-.0017**	**-.0004**	**.0055**	**-.0031**	**.0001**
Stddev	.0008	.0000	.0002	.0003	.0002	.0001	.0001	.0001
%RSD	46.79	1.200	72.11	17.14	56.48	1.397	2.518	61.37
#1	.0008	-.0010	.0002	-.0014	-.0005	.0056	-.0030	.0000
#2	.0020	-.0010	.0002	-.0019	-.0001	.0055	-.0030	.0002
#3	.0024	-.0010	.0006	-.0018	-.0005	.0056	-.0031	.0001

Zoom In Zoom Out

Sample Name: MGCONF Acquired: 10/15/2025 14:04:28 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**19054.**	**232510.**	**37119.**	**9752.8**
Stddev	60.	585.	318.	20.1
%RSD	.31379	.25153	.85723	.20607
#1	19111.	232890.	36858.	9769.0
#2	19059.	231840.	37025.	9759.0
#3	18992.	232800.	37473.	9730.3

Zoom In Zoom Out

Sample Name: FECONF Acquired: 10/15/2025 14:09:28 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**-.0654**	**.0000**	**.0034**	**-.0001**	**.0000**	**.0000**	**-.0154**	**.0008**
Stddev	.0001	.0086	.0003	.0006	.0002	.0000	.0013	.0012	.0001
%RSD	25.67	13.09	568.4	17.68	150.1	273.8	6932.	7.781	11.28
#1	.0005	-.0568	.0004	.0038	.0000	-.0000	.0006	-.0142	.0009
#2	.0007	-.0654	-.0001	.0036	-.0003	.0000	-.0014	-.0154	.0007
#3	.0004	-.0739	-.0001	.0027	-.0001	.0000	.0009	-.0166	.0008

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0082**	**.0004**	**.0007**	**-.0020**	**198.3**	**.1510**	**.0013**	**.0395**	**-.0007**
Stddev	.0017	.0002	.0001	.0001	1.0	.0217	.0015	.0170	.0000
%RSD	20.31	47.36	14.58	4.805	.5029	14.35	120.2	42.92	1.059
#1	.0091	.0003	.0008	-.0019	199.3	.1357	.0030	.0251	-.0007
#2	.0063	.0006	.0006	-.0021	198.1	.1415	.0002	.0353	-.0007
#3	.0092	.0003	.0008	-.0021	197.4	.1758	.0006	.0582	-.0007

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0013**	**.0376**	**.0005**	**.0006**	**.0015**	**.0063**	**.0000**	**.0044**	**.0037**
Stddev	.0000	.0078	.0001	.0006	.0001	.0016	.0007	.0017	.0005
%RSD	3.827	20.87	26.33	101.6	6.579	26.21	6042.	37.86	14.21
#1	-.0013	.0384	.0004	.0006	.0014	.0070	-.0003	.0049	.0042
#2	-.0013	.0450	.0005	-.0000	.0016	.0074	-.0005	.0025	.0031
#3	-.0012	.0294	.0006	.0011	.0015	.0044	.0008	.0058	.0037

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0007**	**.0000**	**.0001**	**.0003**	**-.0019**	**-.0063**	**-.0016**	**.0008**
Stddev	.0005	.0001	.0003	.0009	.0001	.0006	.0001	.0001
%RSD	79.83	458.2	287.3	276.1	5.560	8.811	4.772	13.68
#1	-.0010	.0000	.0000	-.0001	-.0019	-.0057	-.0017	.0008
#2	-.0009	.0001	.0004	-.0003	-.0019	-.0069	-.0015	.0007
#3	-.0001	-.0001	-.0002	.0014	-.0021	-.0063	-.0015	.0009

Zoom In Zoom Out

Sample Name: FECONF Acquired: 10/15/2025 14:09:28 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**21369.**	**248290.**	**37948.**	**10324.**
Stddev	47.	1724.	220.	16.
%RSD	.22145	.69437	.58031	.15182
#1	21424.	246360.	37698.	10342.
#2	21341.	249690.	38113.	10315.
#3	21343.	248820.	38032.	10315.

Zoom In Zoom Out

Sample Name: ALCONF Acquired: 10/15/2025 14:14:38 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0008**	**F 481.1**	**.0014**	**.0028**	**-.0053**	**.0003**	**.0035**	**-.0127**	**.0004**
Stddev	.0001	9.9	.0006	.0001	.0001	.0000	.0004	.0015	.0001
%RSD	15.39	2.055	43.86	3.934	2.469	15.52	10.70	12.20	21.68
#1	.0006	492.4	.0007	.0029	-.0054	.0003	.0032	-.0137	.0003
#2	.0008	476.7	.0017	.0027	-.0051	.0003	.0034	-.0134	.0004
#3	.0009	474.1	.0018	.0028	-.0053	.0002	.0040	-.0109	.0004

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0085**	**-.0001**	**-.0001**	**-.0035**	**-.0027**	**-.0459**	**.0009**	**.0056**	**.0003**
Stddev	.0028	.0002	.0001	.0006	.0004	.0179	.0008	.0020	.0001
%RSD	32.56	248.6	106.4	17.53	13.04	38.91	95.80	35.75	18.30
#1	-.0091	.0001	-.0001	-.0040	-.0028	-.0261	.0012	.0036	.0004
#2	-.0109	-.0002	-.0002	-.0028	-.0024	-.0508	.0014	.0056	.0003
#3	-.0055	-.0001	.0000	-.0036	-.0031	-.0608	-.0001	.0077	.0003

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0019**	**.0255**	**-.0004**	**-.0145**	**.0003**	**-.0032**	**-.0000**	**-.0009**	**-.0012**
Stddev	.0002	.0077	.0003	.0005	.0016	.0017	.0015	.0026	.0004
%RSD	11.06	30.34	80.10	3.594	527.7	53.27	6303.	270.5	33.00
#1	-.0016	.0203	-.0006	-.0150	.0022	-.0018	-.0002	.0018	-.0010
#2	-.0021	.0344	-.0000	-.0144	-.0004	-.0026	.0016	-.0015	-.0010
#3	-.0019	.0219	-.0007	-.0140	-.0008	-.0051	-.0014	-.0032	-.0017

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0004**	**-.0001**	**.0000**	**.0014**	**-.0000**	**-.0001**	**.0008**	**.0002**
Stddev	.0006	.0001	.0001	.0007	.0001	.0007	.0001	.0000
%RSD	151.4	63.48	1056.	51.12	8839.	702.7	8.334	4.162
#1	-.0009	-.0001	-.0000	.0022	.0001	-.0009	.0008	.0002
#2	-.0006	-.0001	.0001	.0012	-.0000	.0005	.0007	.0002
#3	.0003	-.0000	-.0000	.0008	-.0001	.0001	.0009	.0002

Zoom In Zoom Out

Sample Name: ALCONF Acquired: 10/15/2025 14:14:38 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**19834.**	**234700.**	**39048.**	**10658.**
Stddev	23.	2871.	164.	20.
%RSD	.11723	1.2231	.41875	.19083
#1	19847.	235810.	39042.	10645.
#2	19808.	231440.	38887.	10648.
#3	19848.	236850.	39214.	10681.

Zoom In Zoom Out

Sample Name: CACONF Acquired: 10/15/2025 14:19:42 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0229**	**-.0002**	**-.0059**	**.0008**	**.0000**	**.0015**	F **393.1**	**.0007**
Stddev	.0002	.0081	.0003	.0000	.0001	.0000	.0009	.5	.0001
%RSD	36.86	35.36	162.0	.2402	9.158	42.90	60.29	.1185	10.71
#1	.0007	.0153	-.0003	-.0059	.0009	.0001	.0026	393.0	.0007
#2	.0003	.0314	.0002	-.0059	.0008	.0000	.0009	392.7	.0007
#3	.0006	.0220	-.0005	-.0059	.0007	.0000	.0011	393.6	.0008

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0085**	**-.0026**	**-.0006**	**.0005**	**.0018**	**-.0224**	**-.0045**	**.0207**	**-.0000**
Stddev	.0018	.0002	.0001	.0003	.0005	.0222	.0016	.0050	.0000
%RSD	21.38	6.627	8.359	52.49	26.48	99.02	35.09	24.06	54.46
#1	.0104	-.0024	-.0007	.0002	.0023	-.0302	-.0051	.0151	-.0000
#2	.0069	-.0027	-.0006	.0006	.0015	.0026	-.0056	.0227	-.0000
#3	.0081	-.0027	-.0006	.0007	.0015	-.0396	-.0027	.0244	-.0001

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0011**	**.0178**	**-.0004**	**.0016**	**.0006**	**.0217**	**-.0000**	**.0004**	**.0075**
Stddev	.0001	.0006	.0000	.0012	.0006	.0020	.0015	.0002	.0015
%RSD	9.618	3.452	9.750	78.20	98.75	9.297	6496.	67.01	19.45
#1	-.0011	.0176	-.0004	.0002	.0013	.0238	-.0000	.0002	.0092
#2	-.0012	.0184	-.0004	.0025	.0005	.0198	-.0016	.0007	.0072
#3	-.0010	.0172	-.0004	.0020	.0001	.0215	.0015	.0003	.0063

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0010**	**.0003**	**-.0010**	**.0034**	**.0004**	**.0001**	**.0027**	**.0002**
Stddev	.0004	.0000	.0004	.0013	.0002	.0011	.0001	.0001
%RSD	37.32	13.65	34.43	37.24	45.77	1254.	4.476	37.44
#1	-.0014	.0003	-.0008	.0049	.0003	.0008	.0028	.0003
#2	-.0008	.0003	-.0009	.0028	.0003	-.0011	.0029	.0003
#3	-.0007	.0003	-.0015	.0026	.0006	.0006	.0026	.0001

Zoom In Zoom Out

Sample Name: CACONF Acquired: 10/15/2025 14:19:42 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**19158.**	**232460.**	**36972.**	**9706.8**
Stddev	29.	1815.	187.	25.6
%RSD	.15393	.78061	.50600	.26378
#1	19159.	234320.	37072.	9703.1
#2	19187.	230690.	36756.	9734.0
#3	19128.	232360.	37088.	9683.2

Zoom In Zoom Out

Sample Name: VCONF Acquired: 10/15/2025 14:24:51 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0051**	**-.0008**	**-.0092**	**-.0000**	**.0000**	**-.0032**	**.0261**	**.0003**
Stddev	.0002	.0025	.0003	.0002	.0001	.0001	.0007	.0019	.0000
%RSD	264.0	48.63	35.25	2.403	343.4	207.5	21.71	7.415	10.65
#1	-.0002	.0026	-.0009	-.0092	-.0001	.0001	-.0030	.0256	.0004
#2	-.0002	.0076	-.0005	-.0089	-.0001	-.0001	-.0026	.0282	.0003
#3	.0002	.0050	-.0010	-.0094	.0001	.0001	-.0040	.0244	.0003

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0063**	**-.0001**	**.0000**	**-.0038**	**.0049**	**.0257**	**-.0037**	**.0109**	**-.0000**
Stddev	.0027	.0001	.0001	.0002	.0010	.0092	.0015	.0102	.0000
%RSD	42.58	84.04	367.1	5.222	20.54	35.84	39.92	94.02	21.12
#1	-.0094	-.0001	.0001	-.0040	.0059	.0151	-.0046	.0079	-.0000
#2	-.0043	-.0001	.0000	-.0036	.0047	.0304	-.0045	.0223	-.0000
#3	-.0054	-.0000	-.0001	-.0038	.0039	.0315	-.0020	.0025	-.0000

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**.0728**	**.0004**	**-.0019**	**.0011**	**.0002**	**-.0006**	**.0035**	**-.0276**
Stddev	.0001	.0017	.0001	.0007	.0002	.0014	.0009	.0012	.0003
%RSD	42.78	2.341	17.11	35.74	16.11	685.1	164.8	33.12	1.178
#1	-.0001	.0724	.0003	-.0015	.0012	.0013	-.0015	.0039	-.0273
#2	-.0003	.0714	.0005	-.0027	.0011	-.0014	.0003	.0045	-.0277
#3	-.0002	.0747	.0004	-.0016	.0009	.0007	-.0004	.0022	-.0279

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**-.0000**	**.0005**	**-.0006**	F **9.897**	**.0018**	**.0005**	**.0012**
Stddev	.0007	.0000	.0001	.0013	.030	.0002	.0001	.0001
%RSD	5498.	57.58	22.88	213.6	.3081	12.43	21.53	7.877
#1	-.0008	-.0000	.0006	-.0021	9.882	.0020	.0004	.0013
#2	.0002	-.0000	.0004	.0005	9.932	.0015	.0006	.0012
#3	.0006	-.0000	.0005	-.0003	9.876	.0018	.0005	.0011

Zoom In Zoom Out

Sample Name: VCONF Acquired: 10/15/2025 14:24:51 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**21280.**	**254220.**	**37993.**	**10380.**
Stddev	35.	353.	233.	18.
%RSD	.16586	.13904	.61280	.17236
#1	21239.	254620.	37729.	10360.
#2	21304.	254110.	38078.	10394.
#3	21296.	253940.	38171.	10385.

Zoom In Zoom Out

Sample Name: CRCONF Acquired: 10/15/2025 14:30:02 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**-.0105**	**-.0006**	**.0016**	**.0002**	**.0002**	**-.0018**	**.0123**	**.0001**
Stddev	.0001	.0074	.0007	.0006	.0001	.0001	.0011	.0014	.0000
%RSD	49.99	70.07	116.4	34.25	34.65	34.93	59.46	11.78	50.36
#1	-.0001	-.0023	-.0006	.0021	.0002	.0002	-.0009	.0135	.0001
#2	-.0003	-.0128	-.0013	.0018	.0002	.0001	-.0030	.0107	.0001
#3	-.0002	-.0165	.0001	.0010	.0001	.0002	-.0016	.0125	.0002

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0071**	**-.0009**	F **10.15**	**.0021**	**.0021**	**.0173**	**-.0012**	**.0108**	**.0010**
Stddev	.0011	.0001	.07	.0002	.0004	.0139	.0015	.0066	.0000
%RSD	15.62	11.83	.6859	9.443	20.51	80.27	126.1	61.29	.9349
#1	.0083	-.0010	10.19	.0020	.0017	.0063	-.0027	.0095	.0010
#2	.0062	-.0009	10.19	.0019	.0026	.0127	.0002	.0050	.0010
#3	.0067	-.0008	10.07	.0023	.0020	.0330	-.0009	.0180	.0010

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0008**	**.0215**	**-.0000**	**-.0008**	**.0011**	**-.0030**	**-.0020**	**.0028**	**.0017**
Stddev	.0000	.0041	.0003	.0004	.0007	.0007	.0036	.0013	.0004
%RSD	4.941	19.09	1820.	44.39	63.54	22.79	177.2	46.26	23.59
#1	.0007	.0173	-.0002	-.0011	.0017	-.0027	-.0026	.0030	.0018
#2	.0007	.0218	-.0001	-.0004	.0003	-.0025	-.0052	.0014	.0019
#3	.0008	.0255	.0003	-.0010	.0012	-.0037	.0018	.0039	.0012

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0005**	**.0001**	**-.0046**	**-.0008**	**-.0062**	**.0004**	**.0029**	**-.0000**
Stddev	.0004	.0001	.0001	.0006	.0003	.0006	.0000	.0001
%RSD	86.93	36.37	2.731	76.64	5.172	131.0	1.331	1236.
#1	-.0006	.0001	-.0044	-.0007	-.0058	.0011	.0029	-.0000
#2	-.0000	.0002	-.0046	-.0002	-.0063	.0001	.0029	.0001
#3	-.0009	.0001	-.0047	-.0013	-.0064	.0002	.0030	-.0002

Zoom In Zoom Out

Sample Name: CRCONF Acquired: 10/15/2025 14:30:02 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**21395.**	**251450.**	**38310.**	**10145.**
Stddev	50.	1867.	120.	19.
%RSD	.23270	.74229	.31366	.18264
#1	21422.	252580.	38365.	10153.
#2	21426.	249300.	38393.	10158.
#3	21338.	252480.	38172.	10124.

Zoom In Zoom Out

Sample Name: TICONF Acquired: 10/15/2025 14:35:13 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0005**	**.0147**	**-.0001**	**.0026**	**.0002**	**.0002**	**-.0001**	**.0518**	**.0001**
Stddev	.0002	.0036	.0002	.0002	.0000	.0000	.0013	.0008	.0001
%RSD	32.02	24.65	389.8	7.430	21.23	26.58	2144.	1.594	110.9
#1	-.0006	.0114	.0002	.0024	.0002	.0002	.0004	.0520	.0001
#2	-.0007	.0142	-.0003	.0028	.0002	.0001	-.0015	.0509	.0000
#3	-.0004	.0186	-.0001	.0025	.0001	.0002	.0010	.0525	.0003

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0046**	**-.0003**	**.0012**	**-.0010**	**.0135**	**-.0099**	**-.0010**	**.1483**	**.0002**
Stddev	.0010	.0004	.0002	.0001	.0016	.0414	.0014	.0036	.0000
%RSD	21.52	154.5	16.52	10.46	11.98	417.2	132.2	2.413	10.82
#1	-.0038	-.0004	.0014	-.0011	.0154	-.0403	-.0017	.1452	.0003
#2	-.0057	.0002	.0010	-.0009	.0124	.0372	.0005	.1476	.0002
#3	-.0044	-.0006	.0013	-.0009	.0129	-.0267	-.0020	.1522	.0002

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0377**	**.0003**	**.0009**	**.0013**	**.0073**	**-.0023**	**.0015**	**-.0186**
Stddev	.0002	.0025	.0001	.0004	.0005	.0000	.0009	.0008	.0013
%RSD	51.00	6.664	41.92	43.76	34.73	.5297	39.76	50.91	7.191
#1	.0005	.0349	.0002	.0013	.0010	.0073	-.0032	.0021	-.0198
#2	.0002	.0384	.0002	.0011	.0019	.0074	-.0014	.0006	-.0172
#3	.0002	.0397	.0004	.0005	.0011	.0073	-.0023	.0018	-.0188

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0001**	F **10.34**	**-.0034**	**-.0040**	**.0008**	**.0151**	**.0007**
Stddev	.0004	.0000	.27	.0009	.0003	.0004	.0000	.0001
%RSD	83.49	26.44	2.623	26.90	7.500	44.31	.0126	13.77
#1	.0001	.0001	10.44	-.0024	-.0040	.0012	.0151	.0008
#2	.0003	.0001	10.03	-.0043	-.0037	.0008	.0151	.0007
#3	.0008	.0001	10.54	-.0036	-.0043	.0005	.0151	.0007

Zoom In Zoom Out

Sample Name: TICONF Acquired: 10/15/2025 14:35:13 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**21486.**	**249930.**	**38153.**	**10423.**
Stddev	30.	3374.	55.	25.
%RSD	.13953	1.3500	.14423	.23863
#1	21497.	249320.	38210.	10434.
#2	21509.	253580.	38149.	10441.
#3	21452.	246910.	38100.	10395.

Zoom In Zoom Out

Sample Name: MNCONF Acquired: 10/15/2025 14:40:23 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**.0056**	**.0007**	**.0016**	**.0000**	**.0002**	**.0000**	**-.0006**	**-.0006**
Stddev	.0002	.0071	.0010	.0003	.0000	.0000	.0002	.0030	.0001
%RSD	77.08	127.0	137.0	21.44	585.9	7.445	523.5	531.8	15.74
#1	-.0000	.0003	.0018	.0020	-.0000	.0002	-.0002	-.0014	-.0005
#2	-.0004	.0028	.0002	.0014	-.0000	.0002	-.0000	-.0030	-.0007
#3	-.0003	.0136	.0000	.0015	.0001	.0002	.0003	.0027	-.0006

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0147**	**-.0000**	**-.0025**	**.0001**	**-.0067**	**-.0372**	**-.0016**	**-.0057**	F **10.04**
Stddev	.0012	.0002	.0003	.0005	.0008	.0233	.0006	.0068	.10
%RSD	8.009	373.4	11.86	446.5	12.68	62.66	39.43	119.3	1.019
#1	.0148	.0001	-.0029	-.0004	-.0063	-.0563	-.0022	.0016	9.974
#2	.0135	-.0002	-.0025	.0002	-.0061	-.0441	-.0015	-.0070	10.16
#3	.0159	-.0000	-.0022	.0006	-.0076	-.0112	-.0010	-.0117	9.995

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**-.0020**	**.0006**	**-.0078**	**-.0003**	**.0091**	**.0017**	**.0028**	**.0062**
Stddev	.0002	.0073	.0002	.0009	.0002	.0007	.0011	.0006	.0006
%RSD	132.2	363.2	32.63	11.25	59.30	8.158	61.92	22.63	9.084
#1	.0001	.0039	.0006	-.0088	-.0004	.0084	.0012	.0030	.0061
#2	-.0002	.0002	.0004	-.0071	-.0001	.0099	.0010	.0021	.0057
#3	-.0002	-.0101	.0007	-.0075	-.0005	.0090	.0029	.0033	.0068

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0001**	**.0014**	**.0011**	**.0004**	**-.0020**	**-.0004**	**.0000**
Stddev	.0005	.0000	.0003	.0005	.0001	.0004	.0001	.0001
%RSD	396.5	45.56	18.46	44.08	18.58	22.68	16.25	2223.
#1	.0003	.0000	.0011	.0009	.0003	-.0024	-.0004	.0001
#2	-.0004	.0001	.0015	.0007	.0004	-.0015	-.0004	.0000
#3	.0004	.0001	.0015	.0016	.0004	-.0020	-.0003	-.0001

Zoom In Zoom Out

Sample Name: MNCONF Acquired: 10/15/2025 14:40:23 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**21477.**	**249540.**	**38157.**	**10392.**
Stddev	59.	2128.	231.	35.
%RSD	.27338	.85259	.60524	.33913
#1	21450.	251980.	38040.	10366.
#2	21544.	248070.	38423.	10432.
#3	21436.	248580.	38008.	10377.

Zoom In Zoom Out

Sample Name: SICONF Acquired: 10/15/2025 14:45:35 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**-.0153**	**.0001**	**.0021**	**.0002**	**.0000**	**-.0037**	**.0079**	**.0002**
Stddev	.0001	.0054	.0009	.0004	.0001	.0001	.0010	.0007	.0001
%RSD	85.77	35.27	771.1	20.78	74.66	382.9	27.06	9.250	62.48
#1	-.0002	-.0170	-.0009	.0026	.0003	.0000	-.0048	.0080	.0003
#2	-.0000	-.0197	.0005	.0020	.0002	.0001	-.0037	.0071	.0002
#3	-.0002	-.0093	.0007	.0018	.0000	-.0000	-.0028	.0086	.0001

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0003**	**-.0002**	**.0001**	**.0011**	**.0010**	**.1109**	**-.0014**	**-.0002**	**.0005**
Stddev	.0010	.0001	.0001	.0004	.0014	.0288	.0010	.0062	.0003
%RSD	377.7	30.10	106.9	36.21	149.4	25.96	69.80	2799.	53.85
#1	.0009	-.0003	.0000	.0007	.0026	.1018	-.0009	-.0068	.0002
#2	-.0008	-.0002	.0001	.0011	.0005	.1431	-.0008	.0006	.0007
#3	-.0009	-.0002	.0000	.0015	-.0002	.0878	-.0026	.0055	.0006

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0402**	**.0002**	**.0002**	**.0001**	**.0023**	**.0007**	**.0014**	F **48.47**
Stddev	.0001	.0102	.0002	.0009	.0002	.0015	.0004	.0013	.08
%RSD	38.72	25.45	126.5	475.1	273.6	63.23	49.81	92.22	.1681
#1	.0003	.0489	.0004	-.0001	.0001	.0040	.0004	.0009	48.42
#2	.0003	.0289	-.0000	.0012	.0003	.0021	.0006	.0029	48.44
#3	.0001	.0427	.0001	-.0006	-.0001	.0010	.0011	.0005	48.57

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**.0000**	**-.0015**	**-.0003**	**.0003**	**.0014**	**.0027**	**.0032**
Stddev	.0002	.0001	.0002	.0002	.0001	.0003	.0001	.0002
%RSD	42.42	297.2	16.00	80.53	17.99	19.75	3.126	7.752
#1	.0003	.0001	-.0012	-.0000	.0002	.0013	.0027	.0034
#2	.0008	-.0000	-.0016	-.0003	.0003	.0012	.0027	.0030
#3	.0006	-.0000	-.0017	-.0005	.0003	.0017	.0028	.0031

Zoom In Zoom Out

Sample Name: SICONF Acquired: 10/15/2025 14:45:35 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**21621.**	**249210.**	**38310.**	**10468.**
Stddev	23.	2204.	360.	10.
%RSD	.10765	.88423	.94003	.09949
#1	21620.	251500.	38723.	10460.
#2	21599.	249030.	38061.	10463.
#3	21645.	247110.	38146.	10480.

Zoom In Zoom Out

Sample Name: SCONF Acquired: 10/15/2025 14:50:38 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0047**	**.0004**	**.0017**	**.0002**	**.0000**	**-.0008**	**.0033**	**-.0001**
Stddev	.0003	.0051	.0003	.0002	.0001	.0000	.0012	.0018	.0001
%RSD	75.96	108.5	82.49	11.36	49.69	460.2	149.4	54.30	80.15
#1	.0008	-.0005	.0006	.0015	.0003	.0000	.0006	.0026	-.0001
#2	.0003	.0096	.0000	.0018	.0001	.0000	-.0016	.0054	-.0001
#3	.0002	.0049	.0004	.0018	.0001	-.0000	-.0014	.0020	-.0000

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0027**	**-.0001**	**.0003**	**.0012**	**.0038**	**-.0343**	**-.0135**	**.0063**	**.0003**
Stddev	.0006	.0000	.0001	.0003	.0008	.0075	.0019	.0048	.0001
%RSD	21.82	73.87	30.61	25.04	21.66	21.73	14.23	75.84	31.11
#1	-.0025	-.0001	.0004	.0013	.0047	-.0428	-.0144	.0118	.0002
#2	-.0034	-.0000	.0003	.0008	.0033	-.0287	-.0147	.0035	.0004
#3	-.0023	-.0001	.0003	.0014	.0033	-.0316	-.0112	.0036	.0003

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0169**	**-.0001**	**-.0003**	**-.0004**	F **190.7**	**.0006**	**.0003**	**.0157**
Stddev	.0001	.0036	.0001	.0006	.0004	.1	.0004	.0001	.0011
%RSD	113.6	21.49	116.7	229.5	82.55	.0562	66.02	28.65	7.107
#1	.0000	.0198	-.0002	-.0008	-.0003	190.8	.0004	.0003	.0164
#2	.0001	.0128	-.0000	.0004	-.0002	190.6	.0003	.0002	.0144
#3	.0003	.0181	-.0000	-.0004	-.0009	190.7	.0010	.0003	.0163

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**.0000**	**-.0000**	**-.0008**	**-.0001**	**.0007**	**.0004**	**.0001**
Stddev	.0005	.0000	.0001	.0003	.0002	.0002	.0001	.0001
%RSD	316.4	323.7	347.3	34.02	259.2	29.28	15.46	54.25
#1	-.0008	.0001	.0001	-.0011	.0000	.0005	.0004	.0001
#2	.0002	.0000	-.0000	-.0005	-.0004	.0009	.0005	.0001
#3	.0001	-.0000	-.0001	-.0008	.0001	.0007	.0004	.0002

Zoom In Zoom Out

Sample Name: SCONF Acquired: 10/15/2025 14:50:38 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**21583.**	**249950.**	**38207.**	**10423.**
Stddev	41.	3731.	135.	9.
%RSD	.19078	1.4927	.35215	.09018
#1	21602.	248990.	38355.	10419.
#2	21611.	254070.	38091.	10434.
#3	21536.	246800.	38176.	10416.

Zoom In Zoom Out

Sample Name: CCV Acquired: 10/15/2025 14:55:40 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2513**	**40.20**	**2.018**	**2.036**	**2.048**	**2.032**	**2.020**	**40.62**	**2.039**
Stddev	.0006	.05	.004	.003	.001	.022	.004	.07	.003
%RSD	.2550	.1289	.2134	.1308	.0403	1.092	.1793	.1744	.1363
#1	.2511	40.25	2.021	2.039	2.049	2.054	2.023	40.70	2.042
#2	.2520	40.20	2.013	2.034	2.048	2.009	2.016	40.57	2.036
#3	.2508	40.14	2.019	2.036	2.048	2.034	2.021	40.58	2.040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.066**	**2.025**	**2.093**	**2.012**	**40.67**	**40.45**	**2.024**	**40.34**	**2.077**
Stddev	.007	.001	.006	.009	.06	.04	.004	.08	.009
%RSD	.3378	.0617	.2691	.4625	.1536	.0927	.1771	.1970	.4247
#1	2.067	2.025	2.097	2.006	40.74	40.48	2.024	40.41	2.071
#2	2.072	2.024	2.096	2.023	40.66	40.41	2.028	40.35	2.087
#3	2.058	2.026	2.087	2.008	40.62	40.45	2.021	40.25	2.073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.043**	**40.59**	**2.039**	**2.053**	**2.034**	**2.043**	**2.038**	**2.034**	**4.985**
Stddev	.003	.04	.002	.005	.002	.008	.005	.001	.005
%RSD	.1241	.0989	.0788	.2613	.0811	.3830	.2275	.0596	.1091
#1	2.045	40.64	2.041	2.059	2.035	2.052	2.042	2.035	4.991
#2	2.040	40.57	2.038	2.048	2.036	2.039	2.033	2.033	4.981
#3	2.043	40.56	2.038	2.051	2.033	2.038	2.038	2.035	4.984
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: CCV Acquired: 10/15/2025 14:55:40 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.061**	**2.031**	**2.087**	**2.051**	**2.070**	**1.999**	**2.057**	**2.094**
Stddev	.003	.044	.007	.002	.006	.004	.002	.008
%RSD	.1597	2.150	.3534	.0722	.2831	.1983	.1060	.3945
#1	2.065	2.057	2.089	2.050	2.071	2.004	2.060	2.095
#2	2.058	2.055	2.094	2.053	2.076	1.996	2.056	2.102
#3	2.061	1.980	2.079	2.051	2.064	1.998	2.056	2.086
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**19993.**	**238130.**	**37830.**	**10139.**
Stddev	20.	1421.	252.	8.
%RSD	.09906	.59683	.66547	.07638
#1	20015.	236490.	37572.	10142.
#2	19982.	238860.	37844.	10144.
#3	19980.	239030.	38075.	10130.

Zoom In Zoom Out

Sample Name: CCB Acquired: 10/15/2025 15:00:57 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**.0179**	**.0010**	**.0046**	**.0009**	**.0009**	**.0009**	**.0166**	**.0009**
Stddev	.0004	.0033	.0008	.0005	.0004	.0004	.0007	.0081	.0002
%RSD	68.74	18.45	72.97	10.00	40.00	44.87	75.78	48.69	20.64
#1	.0011	.0174	.0019	.0052	.0006	.0005	.0006	.0101	.0010
#2	.0002	.0149	.0004	.0043	.0009	.0008	.0004	.0141	.0009
#3	.0007	.0214	.0009	.0045	.0013	.0013	.0018	.0257	.0007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0027**	**.0008**	**.0015**	**-.0002**	**.0165**	**.0509**	**.0026**	**.0240**	**.0015**
Stddev	.0018	.0002	.0001	.0004	.0084	.0161	.0010	.0152	.0002
%RSD	69.27	25.38	6.185	232.6	51.04	31.72	37.70	63.43	10.85
#1	.0031	.0010	.0016	.0003	.0103	.0330	.0035	.0123	.0017
#2	.0006	.0006	.0014	-.0004	.0132	.0643	.0016	.0185	.0014
#3	.0043	.0008	.0014	-.0004	.0261	.0554	.0027	.0412	.0014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0010**	**.0432**	**.0008**	**.0003**	**.0015**	**.0109**	**.0017**	**.0013**	**.0059**
Stddev	.0003	.0194	.0001	.0011	.0006	.0034	.0010	.0014	.0015
%RSD	28.76	44.80	12.77	430.9	39.46	31.09	61.84	108.1	25.32
#1	.0012	.0240	.0008	.0013	.0022	.0148	.0027	.0022	.0075
#2	.0011	.0430	.0009	-.0010	.0012	.0097	.0018	-.0003	.0056
#3	.0006	.0627	.0007	.0005	.0012	.0083	.0006	.0020	.0046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: CCB Acquired: 10/15/2025 15:00:57 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0017**	**.0009**	**.0012**	**.0006**	**.0015**	**.0011**	**.0009**	**.0012**
Stddev	.0002	.0005	.0002	.0006	.0001	.0010	.0002	.0002
%RSD	14.89	56.53	15.32	93.29	9.605	88.61	19.26	13.42
#1	.0020	.0005	.0014	.0013	.0017	.0019	.0011	.0014
#2	.0015	.0007	.0012	.0004	.0014	.0014	.0008	.0011
#3	.0015	.0015	.0010	.0002	.0014	.0000	.0008	.0013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**21357.**	**256340.**	**38111.**	**10428.**
Stddev	55.	1261.	203.	35.
%RSD	.25628	.49173	.53262	.33808
#1	21361.	256750.	37879.	10420.
#2	21409.	257340.	38255.	10467.
#3	21300.	254930.	38200.	10397.

Zoom In Zoom Out

Sample Name: SAMPLECONF Acquired: 10/15/2025 15:06:00 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0051**	**.2131**	**.0088**	**.1048**	**.2037**	**.0023**	**.0220**	**5.114**	**.0032**
Stddev	.0004	.0060	.0007	.0002	.0002	.0001	.0005	.003	.0001
%RSD	7.957	2.796	7.670	.1831	.0818	2.763	2.138	.0578	3.273
#1	.0054	.2108	.0095	.1048	.2038	.0023	.0222	5.117	.0033
#2	.0046	.2087	.0089	.1046	.2035	.0023	.0214	5.114	.0032
#3	.0052	.2199	.0081	.1050	.2036	.0024	.0222	5.112	.0031

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0017**	**.0504**	**.0104**	**.0078**	**.1106**	**5.134**	**.0522**	**5.259**	**.0159**
Stddev	.0012	.0001	.0001	.0006	.0008	.009	.0007	.007	.0002
%RSD	70.00	.1264	1.369	7.285	.6917	.1733	1.292	.1260	1.108
#1	.0007	.0504	.0106	.0072	.1098	5.139	.0528	5.266	.0158
#2	.0015	.0505	.0103	.0079	.1113	5.140	.0515	5.254	.0161
#3	.0031	.0505	.0104	.0084	.1107	5.124	.0522	5.256	.0159

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0214**	**5.226**	**.0106**	**.0498**	**.0037**	**.0512**	**.0066**	**.0111**	**.2041**
Stddev	.0002	.020	.0002	.0003	.0002	.0005	.0010	.0002	.0013
%RSD	.7225	.3755	1.965	.6603	6.500	.9122	15.69	1.655	.6327
#1	.0215	5.245	.0105	.0499	.0035	.0516	.0054	.0112	.2046
#2	.0213	5.206	.0109	.0494	.0040	.0507	.0072	.0109	.2027
#3	.0213	5.228	.0105	.0500	.0037	.0512	.0072	.0113	.2051

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0103**	**.0103**	**.0103**	**.0110**	**.0508**	**.0498**	**.0221**	**.0103**
Stddev	.0004	.0001	.0001	.0009	.0007	.0005	.0001	.0001
%RSD	4.165	.6454	1.207	7.734	1.371	1.015	.3093	.9668
#1	.0105	.0103	.0102	.0112	.0500	.0501	.0222	.0103
#2	.0105	.0103	.0104	.0118	.0513	.0492	.0221	.0104
#3	.0098	.0104	.0104	.0101	.0510	.0500	.0221	.0102

Zoom In Zoom Out

Sample Name: SAMPLECONF Acquired: 10/15/2025 15:06:00 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**20995.**	**254740.**	**37875.**	**10361.**
Stddev	27.	2960.	140.	16.
%RSD	.12794	1.1620	.36958	.15168
#1	20996.	258130.	37788.	10359.
#2	21022.	253430.	38037.	10378.
#3	20969.	252660.	37802.	10347.

Zoom In Zoom Out

Sample Name: MP57971-MB1 1 Acquired: 10/15/2025 15:10:57 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**.0589**	**.0032**	**.0069**	**.0030**	**.0023**	**.0004**	**.3632**	**.0023**
Stddev	.0001	.0074	.0003	.0003	.0002	.0000	.0011	.0004	.0001
%RSD	227.4	12.53	10.84	4.274	6.263	.2127	263.6	.1156	4.511
#1	.0000	.0510	.0035	.0072	.0030	.0023	-.0004	.3627	.0024
#2	-.0002	.0656	.0033	.0066	.0031	.0023	-.0000	.3634	.0022
#3	-.0000	.0601	.0028	.0069	.0028	.0023	.0016	.3635	.0024

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0010**	**.0022**	**.0025**	**.0009**	**.0851**	**.1056**	**-.0018**	**.0766**	**.0040**
Stddev	.0006	.0000	.0002	.0004	.0012	.0272	.0012	.0067	.0001
%RSD	62.46	2.300	7.056	40.31	1.381	25.74	64.80	8.715	1.942
#1	-.0003	.0022	.0026	.0005	.0862	.0815	-.0011	.0795	.0039
#2	-.0011	.0021	.0023	.0008	.0838	.1003	-.0012	.0813	.0040
#3	-.0015	.0022	.0026	.0012	.0852	.1351	-.0032	.0690	.0041

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0024**	**.4259**	**.0024**	**.0107**	**.0029**	**.1335**	**.0031**	**.0008**	**.1315**
Stddev	.0001	.0055	.0001	.0009	.0004	.0007	.0009	.0014	.0050
%RSD	5.621	1.299	4.546	8.144	13.42	.5423	27.56	169.8	3.837
#1	.0022	.4293	.0023	.0116	.0029	.1332	.0027	.0010	.1326
#2	.0025	.4195	.0026	.0099	.0025	.1329	.0025	-.0007	.1359
#3	.0023	.4289	.0024	.0106	.0033	.1343	.0041	.0022	.1260

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0031**	**.0031**	**.0031**	**.0029**	**.0023**	**.0025**	**.0079**	**.0011**
Stddev	.0004	.0000	.0002	.0007	.0001	.0004	.0001	.0001
%RSD	12.70	1.260	6.664	22.93	4.508	14.21	1.136	8.809
#1	.0026	.0031	.0033	.0036	.0022	.0021	.0079	.0012
#2	.0032	.0030	.0029	.0026	.0023	.0028	.0078	.0010
#3	.0034	.0031	.0032	.0024	.0024	.0025	.0080	.0011

Zoom In Zoom Out

Sample Name: MP57971-MB1 1 Acquired: 10/15/2025 15:10:57 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**21638.**	**256420.**	**38370.**	**10485.**
Stddev	25.	5397.	166.	6.
%RSD	.11457	2.1046	.43147	.06191
#1	21635.	262410.	38320.	10491.
#2	21615.	254900.	38235.	10478.
#3	21664.	251950.	38555.	10486.

Zoom In Zoom Out

Sample Name: MP57971-B1 Acquired: 10/15/2025 15:15:56 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0914**	**27.47**	**2.165**	**2.139**	**2.128**	**2.187**	**-.0017**	**30.43**	**2.190**
Stddev	.0009	.11	.004	.002	.008	.069	.0012	.09	.004
%RSD	.9451	.3884	.1922	.0939	.3668	3.148	69.41	.2938	.1617
#1	.0917	27.45	2.160	2.138	2.124	2.237	-.0018	30.42	2.186
#2	.0920	27.38	2.167	2.138	2.122	2.109	-.0028	30.35	2.191
#3	.0904	27.59	2.167	2.142	2.137	2.216	-.0005	30.53	2.193

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0024**	**2.126**	**2.167**	**2.114**	**27.84**	**27.89**	**-.0038**	**27.65**	**2.202**
Stddev	.0014	.001	.002	.017	.11	.13	.0015	.10	.035
%RSD	58.20	.0579	.1099	.7999	.4005	.4572	39.20	.3599	1.609
#1	-.0008	2.126	2.167	2.127	27.78	27.87	-.0025	27.64	2.182
#2	-.0035	2.124	2.169	2.120	27.77	27.76	-.0054	27.55	2.243
#3	-.0029	2.127	2.164	2.095	27.97	28.02	-.0035	27.75	2.181

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.130**	**31.16**	**2.150**	**.1292**	**2.149**	**1.177**	**2.184**	**2.222**	**.6271**
Stddev	.002	.09	.000	.0008	.001	.003	.003	.005	.0114
%RSD	.0973	.2735	.0173	.5993	.0403	.2846	.1467	.2365	1.822
#1	2.128	31.14	2.150	.1301	2.149	1.173	2.181	2.216	.6362
#2	2.129	31.10	2.150	.1286	2.149	1.179	2.184	2.226	.6143
#3	2.132	31.26	2.150	.1290	2.150	1.178	2.188	2.223	.6308

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.192**	**2.115**	**2.148**	**2.199**	**2.159**	**1.801**	**2.235**	**2.137**
Stddev	.003	.041	.002	.001	.007	.001	.004	.029
%RSD	.1524	1.929	.0718	.0309	.3220	.0448	.1943	1.373
#1	2.189	2.123	2.148	2.198	2.165	1.801	2.230	2.155
#2	2.192	2.071	2.149	2.200	2.161	1.801	2.236	2.103
#3	2.196	2.152	2.146	2.199	2.152	1.802	2.238	2.152

Zoom In Zoom Out

Sample Name: MP57971-B1 Acquired: 10/15/2025 15:15:56 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**20358.**	**244020.**	**38341.**	**10211.**
Stddev	39.	253.	306.	33.
%RSD	.19362	.10366	.79684	.32339
#1	20402.	244310.	38122.	10248.
#2	20349.	243850.	38690.	10201.
#3	20325.	243910.	38211.	10185.

Zoom In Zoom Out

Sample Name: MP57971-S1 Acquired: 10/15/2025 15:21:18 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0699**	**29.74**	**1.654**	**1.844**	**1.772**	**1.617**	**.0031**	F **228.9**	**1.658**
Stddev	.0008	.08	.003	.001	.003	.002	.0004	1.5	.001
%RSD	1.098	.2632	.1900	.0405	.1828	.1456	13.78	.6359	.0833
#1	.0708	29.83	1.653	1.845	1.774	1.619	.0030	230.6	1.658
#2	.0695	29.67	1.652	1.844	1.768	1.614	.0027	227.8	1.657
#3	.0695	29.73	1.658	1.844	1.773	1.618	.0036	228.4	1.659

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0233**	**1.631**	**1.639**	**1.841**	**45.15**	**76.52**	**.0323**	**37.81**	**2.527**
Stddev	.0021	.000	.012	.010	.11	.11	.0008	.10	.028
%RSD	8.820	.0111	.7279	.5379	.2484	.1413	2.386	.2578	1.105
#1	.0239	1.631	1.651	1.853	45.26	76.62	.0319	37.91	2.547
#2	.0210	1.631	1.641	1.835	45.04	76.41	.0332	37.72	2.540
#3	.0249	1.631	1.627	1.837	45.17	76.53	.0319	37.79	2.495

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.565**	F **268.8**	**1.681**	**6.688**	**1.848**	**86.05**	**1.554**	**1.714**	**15.35**
Stddev	.002	2.7	.001	.014	.001	.09	.004	.004	.02
%RSD	.1006	.9941	.0645	.2067	.0422	.1005	.2235	.2031	.1136
#1	1.565	266.4	1.680	6.688	1.848	86.02	1.551	1.711	15.35
#2	1.563	268.2	1.681	6.674	1.847	85.98	1.553	1.713	15.36
#3	1.566	271.7	1.682	6.701	1.849	86.14	1.558	1.718	15.33

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.290**	**2.093**	**1.581**	**1.614**	**1.613**	**1.409**	**3.384**	**.8430**
Stddev	.001	.038	.010	.002	.011	.002	.005	.0052
%RSD	.0936	1.816	.6499	.1362	.6826	.1206	.1351	.6207
#1	1.290	2.130	1.591	1.612	1.626	1.409	3.382	.8483
#2	1.289	2.054	1.582	1.615	1.610	1.408	3.380	.8427
#3	1.292	2.095	1.570	1.616	1.604	1.411	3.389	.8379

Zoom In Zoom Out

Sample Name: MP57971-S1 Acquired: 10/15/2025 15:21:18 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**18619.**	**233590.**	**37939.**	**9704.5**
Stddev	.	1605.	186.	9.0
%RSD	.00224	.68724	.49000	.09231
#1	18620.	232310.	37729.	9704.4
#2	18619.	233060.	38082.	9713.5
#3	18619.	235390.	38006.	9695.6

Zoom In Zoom Out

Sample Name: MP57971-S2 Acquired: 10/15/2025 15:26:41 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0738**	**32.13**	**1.763**	**1.983**	**1.903**	**1.703**	**.0035**	F **240.6**	**1.760**
Stddev	.0008	.03	.002	.001	.002	.005	.0009	2.4	.001
%RSD	1.078	.0907	.1220	.0312	.1159	.2845	25.16	.9813	.0751
#1	.0737	32.10	1.763	1.983	1.901	1.701	.0031	240.9	1.762
#2	.0747	32.16	1.765	1.982	1.903	1.708	.0028	242.8	1.759
#3	.0731	32.12	1.761	1.982	1.906	1.699	.0045	238.1	1.760

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0247**	**1.728**	**1.747**	**1.951**	**48.50**	**80.78**	**.0349**	**39.99**	**2.684**
Stddev	.0013	.001	.019	.014	.05	.10	.0015	.07	.045
%RSD	5.357	.0612	1.078	.7160	.1063	.1188	4.445	.1876	1.691
#1	.0232	1.729	1.738	1.944	48.47	80.71	.0331	39.99	2.690
#2	.0258	1.727	1.769	1.967	48.56	80.74	.0358	40.06	2.726
#3	.0250	1.728	1.734	1.942	48.47	80.89	.0357	39.91	2.636

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.664**	F **279.0**	**1.784**	**7.179**	**1.971**	**90.73**	**1.662**	**1.828**	**18.15**
Stddev	.001	3.1	.002	.003	.001	.02	.002	.002	.02
%RSD	.0515	1.106	.1226	.0459	.0734	.0212	.1024	.1060	.1325
#1	1.664	280.0	1.786	7.175	1.970	90.71	1.661	1.829	18.14
#2	1.663	281.4	1.782	7.182	1.971	90.73	1.664	1.825	18.12
#3	1.663	275.5	1.783	7.179	1.973	90.75	1.661	1.829	18.17

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.428**	**2.238**	**1.715**	**1.700**	**1.716**	**1.509**	**3.566**	**.9465**
Stddev	.001	.005	.018	.001	.018	.001	.006	.0101
%RSD	.0500	.2143	1.033	.0458	1.051	.0652	.1630	1.062
#1	1.428	2.234	1.704	1.699	1.706	1.509	3.561	.9405
#2	1.429	2.237	1.735	1.701	1.737	1.509	3.564	.9581
#3	1.428	2.244	1.705	1.701	1.706	1.511	3.572	.9408

Zoom In Zoom Out

Sample Name: MP57971-S2 Acquired: 10/15/2025 15:26:41 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**18567.**	**231350.**	**37417.**	**9682.6**
Stddev	37.	3410.	69.	27.6
%RSD	.19723	1.4740	.18466	.28490
#1	18609.	231940.	37338.	9714.3
#2	18551.	227680.	37469.	9669.5
#3	18541.	234430.	37443.	9664.0

Zoom In Zoom Out

Sample Name: JE20964-1 Acquired: 10/15/2025 15:32:04 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0017**	**9.673**	**.0160**	**.3465**	**.2708**	**.0020**	**.0035**	F **217.2**	**.0035**
Stddev	.0002	.018	.0008	.0003	.0006	.0000	.0010	3.4	.0001
%RSD	12.09	.1901	5.216	.0989	.2091	.2199	27.52	1.549	3.675
#1	.0020	9.677	.0151	.3464	.2704	.0020	.0028	221.1	.0034
#2	.0016	9.689	.0162	.3461	.2714	.0020	.0031	214.8	.0036
#3	.0017	9.653	.0167	.3468	.2706	.0020	.0046	215.9	.0035

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0308**	**.0199**	**.0799**	**.2826**	**29.50**	**57.48**	**.0348**	**18.97**	**1.001**
Stddev	.0021	.0002	.0008	.0025	.04	.09	.0008	.02	.007
%RSD	6.811	.9230	1.001	.9016	.1322	.1614	2.372	.1075	.7157
#1	.0312	.0198	.0798	.2835	29.47	57.43	.0342	18.98	1.006
#2	.0286	.0197	.0807	.2845	29.54	57.59	.0344	18.99	1.004
#3	.0327	.0201	.0791	.2797	29.48	57.42	.0357	18.95	.9926

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0194**	F **256.9**	**.0653**	**7.930**	**.2912**	**90.52**	**.0296**	**.0043**	**15.95**
Stddev	.0003	3.6	.0002	.007	.0004	.07	.0007	.0028	.01
%RSD	1.517	1.414	.2645	.0926	.1343	.0803	2.382	64.52	.0672
#1	.0192	261.0	.0652	7.925	.2912	90.44	.0292	.0031	15.94
#2	.0197	255.4	.0653	7.938	.2909	90.58	.0292	.0024	15.96
#3	.0192	254.3	.0655	7.926	.2917	90.53	.0304	.0075	15.95

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0076**	**.5501**	**.1609**	**.0032**	**.0301**	**.0089**	**1.888**	**.0027**
Stddev	.0006	.0009	.0016	.0008	.0002	.0006	.001	.0003
%RSD	7.480	.1691	.9882	25.03	.7579	6.412	.0600	9.656
#1	.0083	.5492	.1624	.0036	.0303	.0084	1.889	.0028
#2	.0072	.5510	.1612	.0023	.0299	.0088	1.889	.0029
#3	.0074	.5501	.1593	.0038	.0299	.0095	1.887	.0024

Zoom In Zoom Out

Sample Name: JE20964-1 Acquired: 10/15/2025 15:32:04 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**18818.**	**233120.**	**37668.**	**9655.3**
Stddev	10.	1411.	183.	15.2
%RSD	.05398	.60520	.48534	.15761
#1	18809.	231720.	37878.	9649.5
#2	18818.	233110.	37545.	9643.9
#3	18829.	234540.	37580.	9672.6

Zoom In Zoom Out

Sample Name: MP57971-SD1 Acquired: 10/15/2025 15:37:15 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0004**	**9.476**	**.0117**	**.3631**	**.2624**	**.0018**	**.0028**	**213.1**	**.0039**
Stddev	.0012	.050	.0019	.0013	.0002	.0002	.0066	.3	.0002
%RSD	343.4	.5243	16.51	.3559	.0595	11.43	237.7	.1224	5.634
#1	-.0007	9.533	.0138	.3628	.2626	.0016	-.0048	213.4	.0036
#2	.0010	9.450	.0112	.3620	.2623	.0019	.0057	212.9	.0039
#3	-.0013	9.444	.0100	.3645	.2623	.0020	.0074	213.1	.0041

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0366**	**.0271**	**.0803**	**.2715**	**28.46**	**55.83**	**.0414**	**18.67**	**.9857**
Stddev	.0060	.0010	.0009	.0047	.02	.23	.0054	.04	.0100
%RSD	16.36	3.854	1.163	1.724	.0574	.4208	12.94	.2294	1.011
#1	.0335	.0282	.0794	.2661	28.48	55.91	.0465	18.71	.9742
#2	.0435	.0267	.0813	.2747	28.45	56.02	.0358	18.67	.9917
#3	.0328	.0262	.0802	.2737	28.47	55.57	.0421	18.62	.9913

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0250**	**248.2**	**.0683**	**7.383**	**.2876**	**84.37**	**.0700**	**.0083**	**14.93**
Stddev	.0004	.3	.0008	.002	.0033	.13	.0031	.0059	.03
%RSD	1.535	.1065	1.235	.0205	1.145	.1535	4.388	70.68	.2269
#1	.0247	248.5	.0690	7.384	.2872	84.35	.0734	.0045	14.90
#2	.0254	248.1	.0684	7.381	.2911	84.25	.0673	.0151	14.93
#3	.0248	248.1	.0674	7.384	.2845	84.51	.0695	.0054	14.97

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0015**	**.5320**	**.1600**	**.0192**	**.0309**	**.0216**	**1.837**	**.0037**
Stddev	.0021	.0006	.0011	.0027	.0002	.0022	.005	.0006
%RSD	145.3	.1081	.6854	13.97	.7374	10.40	.2512	16.41
#1	.0003	.5324	.1589	.0223	.0309	.0240	1.842	.0030
#2	-.0038	.5313	.1600	.0175	.0312	.0214	1.835	.0042
#3	-.0009	.5321	.1611	.0177	.0307	.0195	1.834	.0040

Zoom In Zoom Out

Sample Name: MP57971-SD1 Acquired: 10/15/2025 15:37:15 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**20428.**	**243690.**	**38795.**	**10157.**
Stddev	62.	2444.	272.	39.
%RSD	.30319	1.0027	.70003	.38515
#1	20366.	246500.	38540.	10123.
#2	20427.	242070.	38765.	10147.
#3	20490.	242490.	39080.	10200.

Zoom In Zoom Out

Sample Name: JE21011-1F Acquired: 10/15/2025 15:42:10 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: RUSH 10/16

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0377**	**.0019**	**.1015**	**.0266**	**.0002**	**.0009**	**22.45**	**.0002**
Stddev	.0003	.0043	.0007	.0007	.0001	.0001	.0009	.03	.0001
%RSD	56.31	11.47	35.96	.6642	.1930	24.14	99.65	.1463	81.76
#1	.0006	.0381	.0020	.1012	.0266	.0003	.0009	22.42	.0002
#2	.0002	.0331	.0026	.1010	.0265	.0002	.0019	22.45	.0000
#3	.0007	.0417	.0012	.1022	.0266	.0002	.0000	22.49	.0003

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0042**	**.0018**	**.0013**	**.0069**	**.2257**	**6.187**	**.0033**	**2.178**	**.0983**
Stddev	.0008	.0001	.0002	.0003	.0011	.008	.0007	.010	.0007
%RSD	18.08	6.362	12.41	4.160	.4881	.1289	19.70	.4598	.7259
#1	.0036	.0019	.0011	.0068	.2264	6.178	.0037	2.169	.0986
#2	.0040	.0018	.0015	.0066	.2263	6.194	.0037	2.189	.0975
#3	.0051	.0017	.0013	.0072	.2245	6.188	.0026	2.178	.0988

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0054**	**26.29**	**.0036**	**.0285**	**.0021**	**5.911**	**.0085**	**.0028**	**3.346**
Stddev	.0001	.01	.0000	.0005	.0002	.015	.0006	.0004	.009
%RSD	1.265	.0312	.9212	1.708	11.27	.2472	6.705	13.44	.2853
#1	.0054	26.28	.0036	.0279	.0024	5.906	.0079	.0024	3.342
#2	.0053	26.29	.0035	.0288	.0019	5.900	.0085	.0032	3.339
#3	.0054	26.30	.0036	.0286	.0021	5.928	.0091	.0029	3.357

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0017**	**.1257**	**.0004**	**.0032**	**.0007**	**.0020**	**.0848**	**.0005**
Stddev	.0002	.0003	.0001	.0006	.0001	.0008	.0003	.0001
%RSD	13.22	.2409	29.99	17.75	16.26	40.43	.3382	20.82
#1	-.0015	.1254	.0004	.0034	.0006	.0027	.0845	.0005
#2	-.0019	.1258	.0006	.0037	.0008	.0022	.0850	.0006
#3	-.0018	.1260	.0003	.0026	.0006	.0011	.0850	.0004

Zoom In Zoom Out

Sample Name: JE21011-1F Acquired: 10/15/2025 15:42:10 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: RUSH 10/16

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**21071.**	**247610.**	**38735.**	**10277.**
Stddev	76.	2566.	252.	48.
%RSD	.35849	1.0362	.65081	.47019
#1	21158.	248010.	38724.	10332.
#2	21021.	249940.	38993.	10256.
#3	21033.	244860.	38489.	10242.

Zoom In Zoom Out

Sample Name: JE21014-1F Acquired: 10/15/2025 15:47:06 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: RUSH 10/16

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007**	**.0489**	**.0014**	**.0986**	**.0541**	**-.0000**	**.0019**	**23.47**	**.0002**
Stddev	.0003	.0081	.0004	.0002	.0001	.0000	.0013	.06	.0001
%RSD	38.32	16.48	29.40	.2213	.2227	462.9	71.57	.2748	24.19
#1	.0009	.0574	.0009	.0985	.0539	.0000	.0030	23.51	.0002
#2	.0004	.0413	.0017	.0984	.0542	-.0001	.0022	23.51	.0002
#3	.0008	.0481	.0017	.0988	.0541	.0000	.0004	23.40	.0003

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0049**	**.0016**	**.0004**	**.0041**	**.1597**	**4.874**	**.0052**	**8.307**	**.1322**
Stddev	.0009	.0001	.0002	.0007	.0025	.007	.0020	.041	.0017
%RSD	18.73	3.452	45.78	16.35	1.534	.1549	38.94	.4971	1.297
#1	.0051	.0016	.0005	.0043	.1626	4.883	.0071	8.311	.1336
#2	.0039	.0015	.0002	.0047	.1585	4.872	.0055	8.346	.1327
#3	.0056	.0016	.0004	.0034	.1582	4.868	.0030	8.264	.1303

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0028**	**61.99**	**.0023**	**.0206**	**.0013**	**6.294**	**.0078**	**.0001**	**2.038**
Stddev	.0001	.15	.0000	.0005	.0006	.021	.0009	.0018	.007
%RSD	2.735	.2438	1.227	2.581	45.84	.3420	11.07	2970.	.3404
#1	.0028	61.94	.0023	.0206	.0018	6.292	.0075	-.0004	2.037
#2	.0028	62.15	.0023	.0201	.0015	6.273	.0088	-.0015	2.031
#3	.0029	61.86	.0023	.0212	.0006	6.316	.0072	.0020	2.045

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0025**	**.1705**	**.0015**	**.0030**	**.0005**	**.0023**	**.0499**	**.0001**
Stddev	.0005	.0006	.0002	.0010	.0001	.0006	.0001	.0001
%RSD	19.42	.3298	15.55	33.95	17.06	27.85	.2463	150.0
#1	-.0026	.1707	.0014	.0036	.0006	.0031	.0499	.0000
#2	-.0020	.1708	.0013	.0018	.0005	.0019	.0499	.0000
#3	-.0030	.1698	.0018	.0036	.0005	.0020	.0501	.0003

Zoom In Zoom Out

Sample Name: JE21014-1F Acquired: 10/15/2025 15:47:06 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: RUSH 10/16

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**20631.**	**241360.**	**38392.**	**10152.**
Stddev	52.	2473.	153.	36.
%RSD	.25360	1.0244	.39930	.35586
#1	20652.	239900.	38229.	10149.
#2	20670.	239970.	38533.	10189.
#3	20572.	244220.	38415.	10117.

Zoom In Zoom Out

Sample Name: CCV Acquired: 10/15/2025 15:52:02 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2477**	**40.15**	**2.021**	**2.043**	**2.052**	**2.043**	**2.027**	**40.60**	**2.045**
Stddev	.0022	.06	.003	.001	.005	.025	.005	.09	.003
%RSD	.8878	.1374	.1703	.0417	.2674	1.229	.2256	.2128	.1302
#1	.2487	40.15	2.024	2.043	2.058	2.015	2.033	40.66	2.047
#2	.2451	40.21	2.018	2.042	2.051	2.051	2.024	40.63	2.042
#3	.2492	40.10	2.022	2.043	2.048	2.064	2.025	40.50	2.047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.034**	**2.022**	**2.077**	**1.973**	**40.67**	**40.50**	**2.018**	**40.27**	**2.057**
Stddev	.021	.000	.020	.023	.04	.10	.005	.07	.028
%RSD	1.032	.0202	.9484	1.185	.1102	.2416	.2541	.1776	1.351
#1	2.037	2.022	2.089	1.974	40.71	40.59	2.023	40.33	2.088
#2	2.011	2.021	2.054	1.949	40.69	40.52	2.019	40.30	2.035
#3	2.053	2.022	2.087	1.996	40.62	40.39	2.013	40.19	2.048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.047**	**40.69**	**2.039**	**2.060**	**2.030**	**2.019**	**2.047**	**2.043**	**4.980**
Stddev	.003	.06	.002	.005	.001	.006	.004	.005	.003
%RSD	.1498	.1386	.0765	.2499	.0633	.2808	.2024	.2278	.0536
#1	2.049	40.70	2.040	2.061	2.030	2.024	2.049	2.048	4.981
#2	2.044	40.73	2.037	2.055	2.029	2.013	2.042	2.039	4.978
#3	2.048	40.62	2.038	2.065	2.031	2.021	2.049	2.043	4.983
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: CCV Acquired: 10/15/2025 15:52:02 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.069**	**2.016**	**2.075**	**2.046**	**2.047**	**2.005**	**2.059**	**2.081**
Stddev	.005	.012	.019	.002	.018	.004	.004	.019
%RSD	.2300	.5923	.9016	.0984	.8960	.1734	.1956	.9096
#1	2.072	2.006	2.087	2.048	2.055	2.009	2.056	2.094
#2	2.064	2.029	2.054	2.044	2.026	2.002	2.057	2.059
#3	2.072	2.012	2.084	2.045	2.060	2.005	2.064	2.090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**19933.**	**239160.**	**37752.**	**10067.**
Stddev	73.	3093.	199.	42.
%RSD	.36503	1.2932	.52824	.41940
#1	19999.	236840.	37769.	10099.
#2	19946.	242670.	37545.	10083.
#3	19855.	237970.	37943.	10019.

Zoom In Zoom Out

Sample Name: CCB Acquired: 10/15/2025 15:57:19 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0101**	**.0014**	**.0056**	**.0006**	**.0005**	**.0005**	**.0095**	**.0010**
Stddev	.0002	.0046	.0005	.0004	.0003	.0001	.0006	.0035	.0004
%RSD	266.9	45.41	33.27	7.068	43.21	27.58	105.2	37.38	42.92
#1	-.0002	.0106	.0018	.0060	.0006	.0004	.0008	.0064	.0015
#2	-.0002	.0053	.0009	.0053	.0004	.0004	.0010	.0086	.0009
#3	.0002	.0144	.0015	.0053	.0009	.0006	-.0001	.0134	.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0019**	**.0009**	**.0008**	**-.0011**	**.0101**	**.1269**	**.0010**	**.0172**	**.0010**
Stddev	.0023	.0004	.0003	.0003	.0024	.0114	.0019	.0105	.0001
%RSD	119.9	42.49	34.60	26.26	23.95	9.010	196.0	61.14	6.665
#1	-.0007	.0013	.0006	-.0013	.0079	.1153	.0016	.0132	.0010
#2	.0027	.0006	.0006	-.0012	.0097	.1381	.0025	.0093	.0010
#3	.0037	.0007	.0011	-.0008	.0127	.1272	-.0012	.0291	.0011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0012**	**.1194**	**.0010**	**.0007**	**.0009**	**.0031**	**.0023**	**.0019**	**.0050**
Stddev	.0003	.0007	.0003	.0006	.0006	.0006	.0010	.0015	.0012
%RSD	26.99	.5888	32.24	81.56	62.32	18.13	41.86	78.30	24.31
#1	.0016	.1187	.0013	.0013	.0013	.0037	.0033	.0006	.0063
#2	.0010	.1201	.0008	.0009	.0003	.0028	.0014	.0035	.0049
#3	.0010	.1194	.0008	.0001	.0013	.0027	.0022	.0015	.0039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: CCB Acquired: 10/15/2025 15:57:19 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0012**	**.0005**	**.0009**	**.0005**	**.0012**	**.0034**	**.0010**	**.0010**
Stddev	.0006	.0002	.0001	.0008	.0001	.0006	.0003	.0002
%RSD	47.66	38.21	13.61	175.8	7.721	18.49	29.98	19.69
#1	.0018	.0003	.0008	.0010	.0013	.0040	.0014	.0011
#2	.0007	.0005	.0010	.0008	.0011	.0034	.0008	.0007
#3	.0011	.0007	.0009	-.0005	.0011	.0027	.0009	.0011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**21378.**	**254910.**	**38098.**	**10426.**
Stddev	44.	1674.	315.	12.
%RSD	.20727	.65686	.82757	.11515
#1	21419.	256740.	38009.	10436.
#2	21383.	254500.	37836.	10429.
#3	21331.	253470.	38448.	10412.

Zoom In Zoom Out

Sample Name: MP57939-MB1 7 Acquired: 10/15/2025 16:02:21 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**-.0022**	**.0007**	**.0044**	**.0001**	**.0001**	**.0003**	**.0199**	**.0001**
Stddev	.0003	.0045	.0006	.0003	.0001	.0000	.0004	.0007	.0001
%RSD	537.2	207.7	89.29	7.170	64.83	47.99	134.7	3.317	129.1
#1	.0001	-.0018	.0011	.0041	.0001	.0001	.0008	.0206	.0000
#2	.0001	-.0069	-.0000	.0045	.0001	.0000	.0003	.0199	.0000
#3	-.0003	.0021	.0010	.0047	.0000	.0001	-.0001	.0193	.0002

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0000**	**.0003**	**-.0016**	**.0279**	**.0690**	**.0002**	**.0116**	**.0003**
Stddev	.0030	.0001	.0001	.0004	.0014	.0374	.0013	.0040	.0000
%RSD	1259.	1657.	27.22	27.53	4.997	54.30	580.2	34.59	7.374
#1	-.0029	.0001	.0003	-.0021	.0294	.0272	-.0002	.0127	.0003
#2	.0005	-.0000	.0002	-.0013	.0267	.0996	.0016	.0071	.0003
#3	.0031	-.0001	.0003	-.0013	.0277	.0800	-.0008	.0149	.0003

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.1682**	**.0113**	**.0030**	**.0005**	**.0131**	**.0020**	**.0013**	**.0600**
Stddev	.0001	.0042	.0001	.0005	.0008	.0009	.0003	.0019	.0003
%RSD	49.81	2.521	.5286	16.43	151.1	7.022	13.26	145.4	.5062
#1	.0001	.1652	.0114	.0027	.0002	.0122	.0023	.0009	.0603
#2	.0003	.1663	.0113	.0027	.0015	.0131	.0020	-.0003	.0601
#3	.0004	.1731	.0114	.0035	-.0000	.0140	.0018	.0034	.0597

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007**	**.0002**	**.0001**	**-.0006**	**.0000**	**.0030**	**.0031**	**.0003**
Stddev	.0001	.0000	.0002	.0008	.0001	.0008	.0001	.0000
%RSD	14.07	22.61	181.0	119.4	145.7	27.31	3.964	9.491
#1	.0008	.0001	.0003	-.0003	-.0000	.0039	.0032	.0003
#2	.0007	.0002	.0001	-.0015	.0000	.0024	.0031	.0003
#3	.0006	.0002	-.0001	-.0001	.0001	.0026	.0029	.0003

Zoom In Zoom Out

Sample Name: MP57939-MB1 7 Acquired: 10/15/2025 16:02:21 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**21356.**	**259160.**	**38602.**	**10443.**
Stddev	28.	2542.	259.	15.
%RSD	.13105	.98095	.67138	.14406
#1	21374.	260470.	38882.	10451.
#2	21370.	260770.	38370.	10453.
#3	21324.	256230.	38553.	10426.

Zoom In Zoom Out

Sample Name: MP57939-S1 Acquired: 10/15/2025 16:07:20 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2360**	**79.21**	**1.814**	**2.179**	**1.795**	**1.822**	**-.0201**	**113.9**	**1.806**
Stddev	.0019	.06	.005	.004	.001	.003	.0035	.0	.003
%RSD	.8252	.0706	.3000	.1639	.0680	.1857	17.52	.0194	.1672
#1	.2381	79.15	1.812	2.176	1.796	1.825	-.0234	113.8	1.805
#2	.2354	79.26	1.810	2.178	1.794	1.819	-.0164	113.8	1.803
#3	.2344	79.22	1.820	2.183	1.794	1.821	-.0207	113.9	1.809

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0824**	**1.825**	**2.132**	**2.659**	**325.2**	**35.71**	**-.1341**	**59.45**	**4.029**
Stddev	.0040	.002	.005	.012	.2	.05	.0083	.09	.017
%RSD	4.812	.0847	.2330	.4661	.0733	.1314	6.217	.1584	.4176
#1	.0860	1.824	2.137	2.673	325.5	35.71	-.1412	59.40	4.048
#2	.0832	1.825	2.127	2.649	325.0	35.66	-.1250	59.40	4.016
#3	.0781	1.827	2.133	2.654	325.2	35.75	-.1362	59.56	4.024

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.808**	**813.8**	**2.494**	**2.428**	**2.516**	F **3056.**	**1.782**	**1.854**	**28.20**
Stddev	.004	14.5	.005	.007	.005	24.	.004	.004	.07
%RSD	.2077	1.782	.2172	.2921	.1980	.7783	.2518	.2010	.2380
#1	1.805	797.6	2.497	2.420	2.517	3082.	1.780	1.857	28.17
#2	1.806	818.1	2.487	2.434	2.510	3035.	1.779	1.850	28.16
#3	1.812	825.6	2.497	2.430	2.520	3050.	1.787	1.855	28.28

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.790**	**2.021**	**4.359**	**1.807**	**1.922**	**1.708**	**3.330**	**1.795**
Stddev	.005	.001	.012	.004	.010	.004	.008	.004
%RSD	.2781	.0707	.2796	.1997	.5025	.2404	.2523	.2271
#1	1.786	2.022	4.369	1.805	1.933	1.710	3.337	1.800
#2	1.788	2.023	4.345	1.811	1.915	1.703	3.321	1.794
#3	1.796	2.020	4.362	1.805	1.917	1.710	3.333	1.792

Zoom In Zoom Out

Sample Name: MP57939-S1 Acquired: 10/15/2025 16:07:20 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**19754.**	**244480.**	**38332.**	**10176.**
Stddev	54.	953.	141.	28.
%RSD	.27265	.38997	.36653	.27178
#1	19696.	243630.	38484.	10146.
#2	19802.	245510.	38208.	10201.
#3	19765.	244300.	38302.	10179.

Zoom In Zoom Out

Sample Name: MP57939-S2 Acquired: 10/15/2025 16:12:24 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2361**	**81.74**	**1.863**	**2.250**	**1.842**	**1.864**	**-.0138**	**117.6**	**1.855**
Stddev	.0048	.12	.004	.004	.000	.001	.0038	.1	.002
%RSD	2.025	.1447	.2353	.1677	.0182	.0767	27.37	.0795	.0861
#1	.2413	81.87	1.860	2.250	1.842	1.865	-.0102	117.6	1.855
#2	.2318	81.64	1.860	2.246	1.842	1.863	-.0134	117.7	1.853
#3	.2354	81.70	1.868	2.254	1.842	1.864	-.0177	117.5	1.856

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0819**	**1.872**	**2.187**	**2.702**	**335.6**	**37.20**	**-.1420**	**61.26**	**4.124**
Stddev	.0074	.002	.025	.039	.2	.11	.0073	.07	.054
%RSD	9.088	.0783	1.164	1.437	.0612	.2922	5.154	.1098	1.318
#1	.0869	1.871	2.208	2.741	335.6	37.08	-.1380	61.32	4.173
#2	.0733	1.871	2.159	2.664	335.7	37.23	-.1504	61.28	4.066
#3	.0853	1.873	2.194	2.702	335.3	37.29	-.1375	61.19	4.134

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.860**	**837.7**	**2.564**	**2.522**	**2.589**	F **3165.**	**1.838**	**1.907**	**29.41**
Stddev	.005	12.4	.004	.006	.009	7.	.001	.006	.04
%RSD	.2787	1.482	.1425	.2511	.3364	.2084	.0698	.3386	.1409
#1	1.861	823.4	2.564	2.526	2.590	3168.	1.837	1.907	29.39
#2	1.855	844.9	2.561	2.515	2.580	3169.	1.836	1.901	29.38
#3	1.865	845.0	2.568	2.526	2.598	3157.	1.839	1.913	29.45

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.841**	**2.079**	**4.493**	**1.842**	**1.962**	**1.759**	**3.437**	**1.836**
Stddev	.006	.004	.049	.003	.025	.003	.005	.022
%RSD	.3083	.1953	1.096	.1565	1.282	.1706	.1359	1.202
#1	1.838	2.076	4.538	1.842	1.983	1.756	3.432	1.855
#2	1.837	2.084	4.440	1.845	1.934	1.760	3.437	1.812
#3	1.847	2.078	4.501	1.840	1.969	1.761	3.441	1.841

Zoom In Zoom Out

Sample Name: MP57939-S2 Acquired: 10/15/2025 16:12:24 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**19770.**	**245580.**	**38343.**	**10144.**
Stddev	21.	2998.	164.	14.
%RSD	.10415	1.2207	.42786	.13356
#1	19793.	242860.	38332.	10159.
#2	19759.	248790.	38511.	10141.
#3	19756.	245090.	38184.	10132.

Zoom In Zoom Out

Sample Name: JE20877-1 Acquired: 10/15/2025 16:17:29 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0016**	**54.06**	**.0513**	**.4419**	**.0340**	**.0012**	**-.0148**	**87.45**	**.0083**
Stddev	.0008	.05	.0040	.0009	.0012	.0000	.0076	.14	.0008
%RSD	49.56	.0885	7.830	.2137	3.425	2.026	50.98	.1547	9.478
#1	.0024	54.12	.0555	.4430	.0350	.0012	-.0080	87.59	.0086
#2	.0008	54.04	.0509	.4414	.0327	.0012	-.0135	87.42	.0089
#3	.0017	54.03	.0475	.4414	.0342	.0012	-.0230	87.32	.0074

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0940**	**.0575**	**.3756**	**.8663**	**289.0**	**13.09**	**-.1352**	**35.37**	**2.148**
Stddev	.0034	.0008	.0037	.0080	.3	.05	.0061	.11	.018
%RSD	3.637	1.384	.9815	.9290	.1165	.3986	4.519	.3036	.8523
#1	.0901	.0573	.3772	.8697	289.3	13.11	-.1411	35.48	2.153
#2	.0965	.0569	.3782	.8720	288.7	13.13	-.1355	35.35	2.163
#3	.0953	.0584	.3713	.8571	289.1	13.03	-.1289	35.26	2.128

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0417**	**746.7**	**.6457**	**2.365**	**.7143**	F **2960.**	**.0274**	**.0235**	**29.52**
Stddev	.0008	26.3	.0010	.010	.0028	26.	.0058	.0061	.05
%RSD	1.822	3.521	.1479	.4325	.3964	.8817	21.25	26.03	.1765
#1	.0422	759.9	.6453	2.354	.7148	2989.	.0342	.0303	29.53
#2	.0408	763.8	.6451	2.375	.7113	2954.	.0243	.0218	29.46
#3	.0420	716.4	.6468	2.366	.7169	2938.	.0238	.0184	29.57

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0012**	**.2552**	**2.532**	**-.0087**	**.1566**	**.0053**	**1.466**	**.0238**
Stddev	.0032	.0004	.022	.0034	.0020	.0047	.001	.0007
%RSD	274.3	.1631	.8649	39.16	1.286	88.07	.0382	2.923
#1	.0002	.2552	2.544	-.0126	.1579	.0003	1.465	.0241
#2	-.0014	.2555	2.545	-.0069	.1578	.0096	1.466	.0244
#3	.0048	.2547	2.507	-.0065	.1543	.0059	1.466	.0230

Zoom In Zoom Out

Sample Name: JE20877-1 Acquired: 10/15/2025 16:17:29 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**19991.**	**242970.**	**38366.**	**10178.**
Stddev	21.	1777.	352.	25.
%RSD	.10359	.73137	.91699	.24078
#1	19981.	242750.	37971.	10173.
#2	19978.	241310.	38480.	10156.
#3	20015.	244840.	38646.	10204.

Zoom In Zoom Out

Sample Name: MP57939-SD1 Acquired: 10/15/2025 16:22:39 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 25.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0055**	**55.05**	**.0548**	**.4961**	**.0324**	**.0014**	**-.0610**	**88.10**	**.0101**
Stddev	.0083	.16	.0124	.0116	.0030	.0006	.0353	.09	.0018
%RSD	149.7	.2837	22.70	2.338	9.149	43.62	57.82	.0989	18.30
#1	-.0099	55.22	.0620	.5078	.0329	.0016	-.0982	88.20	.0117
#2	-.0107	55.03	.0620	.4958	.0292	.0019	-.0279	88.06	.0105
#3	.0040	54.91	.0404	.4846	.0350	.0007	-.0570	88.04	.0081

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0891**	**.0564**	**.3789**	**.8411**	**291.5**	**14.00**	**-.1291**	**36.39**	**2.147**
Stddev	.0262	.0048	.0060	.0174	.4	.84	.0512	.22	.014
%RSD	29.42	8.455	1.570	2.073	.1272	6.033	39.65	.5989	.6571
#1	.0688	.0619	.3803	.8324	291.2	14.89	-.0700	36.62	2.136
#2	.0798	.0540	.3724	.8297	291.9	13.21	-.1564	36.19	2.143
#3	.1188	.0533	.3840	.8612	291.3	13.89	-.1608	36.37	2.163

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0431**	**765.1**	**.6499**	**2.313**	**.7217**	F **3304.**	**.0063**	**.0404**	**29.92**
Stddev	.0020	.6	.0032	.021	.0072	13.	.0250	.0082	.07
%RSD	4.600	.0736	.4864	.9190	1.000	.3932	399.2	20.32	.2210
#1	.0422	765.5	.6463	2.337	.7141	3295.	-.0219	.0497	29.91
#2	.0454	765.2	.6520	2.303	.7284	3297.	.0259	.0342	29.86
#3	.0418	764.5	.6515	2.298	.7227	3319.	.0147	.0372	29.99

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0125**	**.2579**	**2.519**	**-.0218**	**.1578**	**.0362**	**1.508**	**.0276**
Stddev	.0104	.0013	.020	.0161	.0056	.0199	.003	.0023
%RSD	83.31	.5052	.7843	74.15	3.529	54.91	.2166	8.514
#1	-.0074	.2575	2.499	-.0322	.1554	.0580	1.506	.0300
#2	-.0245	.2569	2.520	-.0032	.1537	.0192	1.506	.0274
#3	-.0056	.2594	2.538	-.0299	.1641	.0314	1.512	.0253

Zoom In Zoom Out

Sample Name: MP57939-SD1 Acquired: 10/15/2025 16:22:39 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 25.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**21037.**	**252800.**	**38698.**	**10396.**
Stddev	8.	1300.	260.	6.
%RSD	.03637	.51423	.67183	.06017
#1	21043.	254300.	38526.	10397.
#2	21029.	252060.	38571.	10401.
#3	21041.	252030.	38997.	10389.

Zoom In Zoom Out

Sample Name: CCV Acquired: 10/15/2025 16:27:35 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2462**	**40.01**	**2.017**	**2.031**	**2.020**	**1.981**	**2.026**	**40.34**	**2.045**
Stddev	.0004	.03	.003	.004	.000	.023	.003	.02	.003
%RSD	.1525	.0816	.1444	.2234	.0204	1.183	.1415	.0605	.1217
#1	.2459	40.03	2.013	2.027	2.020	1.972	2.028	40.31	2.043
#2	.2461	40.03	2.018	2.029	2.020	1.964	2.023	40.36	2.043
#3	.2466	39.97	2.019	2.036	2.020	2.008	2.028	40.35	2.047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.014**	**2.013**	**2.058**	**1.947**	**40.36**	**40.01**	**1.998**	**40.20**	**2.039**
Stddev	.002	.004	.006	.004	.01	.03	.002	.03	.010
%RSD	.0820	.1883	.2870	.2105	.0268	.0715	.0836	.0786	.5098
#1	2.013	2.010	2.051	1.943	40.34	39.99	1.997	40.20	2.035
#2	2.014	2.011	2.062	1.951	40.36	40.04	1.999	40.17	2.031
#3	2.016	2.017	2.061	1.948	40.36	40.01	2.000	40.23	2.051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.049**	**40.45**	**2.037**	**2.059**	**2.022**	**2.068**	**2.049**	**2.036**	**4.960**
Stddev	.003	.04	.003	.000	.004	.004	.002	.005	.011
%RSD	.1479	.1029	.1429	.0185	.2173	.1815	.0952	.2427	.2122
#1	2.046	40.50	2.034	2.059	2.018	2.066	2.048	2.031	4.954
#2	2.047	40.43	2.036	2.058	2.022	2.067	2.047	2.036	4.954
#3	2.052	40.42	2.040	2.059	2.027	2.073	2.051	2.041	4.973
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: CCV Acquired: 10/15/2025 16:27:35 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.074**	**2.035**	**2.056**	**2.035**	**2.033**	**2.003**	**2.052**	**2.062**
Stddev	.003	.002	.007	.003	.003	.005	.007	.006
%RSD	.1385	.0944	.3465	.1471	.1549	.2451	.3551	.2907
#1	2.072	2.037	2.048	2.034	2.030	1.999	2.044	2.055
#2	2.074	2.034	2.061	2.033	2.036	2.002	2.053	2.066
#3	2.077	2.034	2.059	2.038	2.034	2.008	2.058	2.064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**20051.**	**241270.**	**37878.**	**10086.**
Stddev	72.	255.	169.	41.
%RSD	.36022	.10565	.44655	.40511
#1	20134.	241540.	37864.	10133.
#2	20010.	241040.	38054.	10062.
#3	20009.	241210.	37716.	10062.

Zoom In Zoom Out

Sample Name: CCB Acquired: 10/15/2025 16:32:51 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0314**	**.0006**	**.0052**	**.0016**	**.0015**	**.0000**	**.0308**	**.0006**
Stddev	.0005	.0038	.0010	.0006	.0002	.0001	.0012	.0021	.0002
%RSD	355.2	12.14	162.4	12.49	12.79	7.628	2797.	6.731	33.50
#1	-.0002	.0272	-.0004	.0058	.0017	.0015	-.0005	.0306	.0008
#2	.0004	.0323	.0007	.0052	.0017	.0016	.0014	.0329	.0005
#3	-.0005	.0347	.0015	.0045	.0014	.0014	-.0007	.0288	.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0015**	**.0005**	**.0014**	**.0016**	**.0301**	**.1321**	**.0010**	**.0250**	**.0013**
Stddev	.0030	.0001	.0001	.0007	.0012	.0272	.0008	.0010	.0001
%RSD	194.9	28.32	3.928	40.51	4.075	20.58	78.48	4.056	9.501
#1	-.0025	.0007	.0014	.0015	.0289	.1566	.0018	.0238	.0013
#2	.0018	.0005	.0015	.0023	.0314	.1370	.0003	.0254	.0013
#3	-.0040	.0004	.0014	.0011	.0302	.1028	.0008	.0257	.0011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0008**	**.1300**	**.0005**	**.0004**	**.0014**	**.0259**	**.0015**	**.0020**	**.0078**
Stddev	.0002	.0062	.0002	.0007	.0004	.0028	.0004	.0012	.0004
%RSD	21.36	4.804	38.63	186.6	28.05	10.73	24.84	61.08	5.746
#1	.0009	.1336	.0007	.0009	.0018	.0282	.0018	.0034	.0082
#2	.0010	.1336	.0003	-.0004	.0010	.0266	.0011	.0015	.0078
#3	.0006	.1228	.0005	.0007	.0013	.0228	.0016	.0011	.0073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: CCB Acquired: 10/15/2025 16:32:51 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0010**	**.0016**	**.0012**	**-.0004**	**.0013**	**.0032**	**.0005**	**.0012**
Stddev	.0003	.0001	.0001	.0009	.0002	.0011	.0001	.0001
%RSD	25.78	6.828	9.334	267.3	12.24	34.53	29.81	4.556
#1	.0012	.0017	.0014	-.0014	.0013	.0044	.0007	.0011
#2	.0012	.0016	.0013	.0005	.0014	.0026	.0004	.0012
#3	.0007	.0015	.0011	-.0001	.0011	.0025	.0004	.0011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**21521.**	**246740.**	**38249.**	**10346.**
Stddev	24.	1015.	15.	16.
%RSD	.11230	.41136	.03860	.15652
#1	21499.	247060.	38237.	10330.
#2	21547.	245600.	38244.	10362.
#3	21517.	247560.	38266.	10347.

Zoom In Zoom Out

Sample Name: MP57934-S1 7 Acquired: 10/15/2025 16:37:53 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2402**	**131.2**	**1.929**	**1.816**	**3.281**	**1.806**	**-.0247**	**54.31**	**1.838**
Stddev	.0018	.1	.004	.006	.005	.001	.0044	.04	.002
%RSD	.7353	.0892	.2199	.3160	.1417	.0683	17.92	.0795	.1254
#1	.2387	131.0	1.931	1.820	3.277	1.807	-.0281	54.32	1.838
#2	.2422	131.3	1.924	1.810	3.282	1.804	-.0197	54.26	1.837
#3	.2398	131.2	1.932	1.819	3.286	1.806	-.0264	54.35	1.841

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4145**	**1.838**	**2.296**	**4.474**	**315.9**	**48.07**	**.2104**	**66.48**	**4.313**
Stddev	.0083	.002	.016	.011	.2	.19	.0106	.05	.024
%RSD	1.993	.1281	.6957	.2419	.0591	.3860	5.015	.0717	.5485
#1	.4222	1.836	2.283	4.467	315.7	48.26	.2211	66.47	4.294
#2	.4154	1.837	2.314	4.487	315.9	47.89	.2101	66.44	4.339
#3	.4058	1.841	2.290	4.469	316.1	48.04	.2000	66.54	4.306

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.873**	**25.33**	**2.092**	**6.084**	**5.093**	**5.966**	**1.058**	**1.816**	**3.120**
Stddev	.001	.04	.001	.011	.006	.007	.009	.004	.016
%RSD	.0746	.1543	.0492	.1766	.1237	.1106	.8910	.2394	.5094
#1	1.874	25.29	2.092	6.085	5.096	5.969	1.047	1.817	3.135
#2	1.872	25.34	2.090	6.072	5.086	5.958	1.064	1.819	3.103
#3	1.874	25.37	2.092	6.094	5.098	5.970	1.063	1.811	3.122

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.493**	**2.094**	**8.435**	**1.854**	**2.130**	**1.471**	**4.989**	**1.809**
Stddev	.003	.002	.066	.003	.011	.002	.002	.014
%RSD	.1355	.0722	.7799	.1386	.5167	.0998	.0483	.7610
#1	2.493	2.093	8.393	1.856	2.120	1.471	4.989	1.801
#2	2.489	2.093	8.511	1.851	2.142	1.469	4.986	1.825
#3	2.496	2.095	8.401	1.854	2.127	1.472	4.991	1.802

Zoom In Zoom Out

Sample Name: MP57934-S1 7 Acquired: 10/15/2025 16:37:53 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**20922.**	**247360.**	**38585.**	**10418.**
Stddev	22.	1424.	206.	7.
%RSD	.10663	.57555	.53503	.06696
#1	20947.	248270.	38823.	10426.
#2	20905.	245720.	38464.	10416.
#3	20914.	248090.	38467.	10413.

Zoom In Zoom Out

Sample Name: MP57934-S2 Acquired: 10/15/2025 16:42:41 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2462**	**151.5**	**2.029**	**1.892**	**3.238**	**1.879**	**-.0179**	**60.23**	**1.905**
Stddev	.0013	.2	.011	.004	.002	.004	.0084	.06	.004
%RSD	.5445	.1597	.5201	.2296	.0459	.2409	46.68	.1001	.2387
#1	.2447	151.8	2.038	1.893	3.240	1.883	-.0250	60.26	1.907
#2	.2470	151.6	2.017	1.887	3.237	1.879	-.0200	60.26	1.900
#3	.2470	151.3	2.031	1.896	3.238	1.874	-.0087	60.16	1.908

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4309**	**1.915**	**2.531**	**3.584**	**420.8**	**46.72**	**.2914**	**85.15**	**4.239**
Stddev	.0087	.003	.015	.016	2.7	.13	.0016	.13	.021
%RSD	2.017	.1397	.5940	.4535	.6437	.2870	.5357	.1528	.4874
#1	.4223	1.915	2.517	3.565	421.9	46.77	.2908	85.16	4.218
#2	.4308	1.912	2.547	3.596	422.8	46.82	.2903	85.28	4.260
#3	.4397	1.918	2.529	3.589	417.7	46.57	.2932	85.02	4.240

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.946**	**26.89**	**2.319**	**6.677**	**4.952**	**6.642**	**1.127**	**1.881**	**2.513**
Stddev	.005	.08	.003	.017	.012	.008	.005	.003	.044
%RSD	.2646	.2817	.1451	.2519	.2410	.1211	.4480	.1466	1.748
#1	1.946	26.98	2.320	6.691	4.946	6.647	1.132	1.880	2.563
#2	1.940	26.85	2.316	6.658	4.945	6.633	1.122	1.884	2.484
#3	1.950	26.84	2.322	6.682	4.966	6.647	1.126	1.878	2.491

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.931**	**2.204**	**7.333**	**1.921**	**2.295**	**1.548**	**5.932**	**1.857**
Stddev	.003	.002	.046	.001	.012	.008	.009	.011
%RSD	.1142	.0995	.6213	.0268	.5179	.5002	.1600	.5804
#1	2.934	2.206	7.296	1.922	2.284	1.542	5.933	1.849
#2	2.928	2.202	7.384	1.921	2.308	1.546	5.923	1.869
#3	2.932	2.205	7.319	1.922	2.293	1.557	5.942	1.852

Zoom In Zoom Out

Sample Name: MP57934-S2 Acquired: 10/15/2025 16:42:41 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**20931.**	**246310.**	**38710.**	**10435.**
Stddev	59.	1159.	219.	27.
%RSD	.28286	.47070	.56682	.26128
#1	20966.	247520.	38940.	10435.
#2	20964.	245220.	38503.	10463.
#3	20862.	246180.	38687.	10409.

Zoom In Zoom Out

Sample Name: JE20850-1 Acquired: 10/15/2025 16:47:38 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0037**	**76.32**	**.0958**	**.0744**	**1.058**	**.0045**	**-.0203**	**22.08**	**.0077**
Stddev	.0004	.06	.0033	.0024	.001	.0002	.0049	.04	.0001
%RSD	11.88	.0809	3.417	3.285	.0719	4.521	24.18	.2025	.7541
#1	.0041	76.37	.0939	.0754	1.059	.0044	-.0147	22.12	.0078
#2	.0037	76.35	.0996	.0761	1.058	.0044	-.0233	22.10	.0077
#3	.0033	76.25	.0940	.0716	1.057	.0047	-.0231	22.03	.0076

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3649**	**.0522**	**.3234**	**2.254**	**246.3**	**18.93**	**.1695**	**31.88**	**1.719**
Stddev	.0065	.0004	.0037	.035	.3	.14	.0052	.10	.023
%RSD	1.780	.6741	1.135	1.553	.1136	.7275	3.063	.3081	1.329
#1	.3597	.0526	.3216	2.238	246.4	19.07	.1745	31.96	1.708
#2	.3628	.0519	.3211	2.229	246.5	18.80	.1699	31.91	1.704
#3	.3722	.0521	.3277	2.294	245.9	18.90	.1641	31.77	1.745

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0321**	**1.257**	**.2222**	**4.556**	**2.549**	**5.139**	**.0009**	**.0113**	**1.467**
Stddev	.0010	.025	.0007	.011	.003	.022	.0030	.0019	.045
%RSD	3.010	1.955	.3042	.2390	.1095	.4259	338.2	17.02	3.059
#1	.0330	1.236	.2224	4.568	2.550	5.165	.0028	.0135	1.416
#2	.0311	1.284	.2215	4.554	2.551	5.127	.0025	.0098	1.501
#3	.0321	1.251	.2228	4.547	2.546	5.127	-.0026	.0106	1.483

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.8238**	**.1843**	**4.088**	**.0030**	**.2390**	**.0056**	**2.469**	**.0316**
Stddev	.0030	.0004	.055	.0052	.0040	.0014	.002	.0006
%RSD	.3698	.2399	1.343	172.5	1.676	25.00	.0667	1.867
#1	.8272	.1848	4.062	.0042	.2372	.0042	2.470	.0322
#2	.8214	.1843	4.051	-.0027	.2362	.0070	2.467	.0315
#3	.8227	.1839	4.151	.0076	.2436	.0056	2.470	.0310

Zoom In Zoom Out

Sample Name: JE20850-1 Acquired: 10/15/2025 16:47:38 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**21030.**	**251860.**	**38679.**	**10478.**
Stddev	22.	2358.	405.	5.
%RSD	.10304	.93636	1.0482	.04685
#1	21042.	253310.	38307.	10475.
#2	21042.	253120.	38618.	10484.
#3	21005.	249140.	39111.	10476.

Zoom In Zoom Out

Sample Name: MP57934-SD1 Acquired: 10/15/2025 16:52:32 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 25.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0115**	**77.83**	**.1160**	**.1209**	**1.063**	**.0041**	**-.1082**	**22.63**	**.0072**
Stddev	.0007	.18	.0068	.0052	.003	.0011	.0124	.06	.0017
%RSD	5.978	.2315	5.871	4.319	.3009	25.94	11.49	.2631	24.15
#1	.0115	78.00	.1234	.1187	1.063	.0029	-.0972	22.66	.0053
#2	.0123	77.86	.1101	.1171	1.061	.0048	-.1217	22.66	.0077
#3	.0109	77.64	.1145	.1269	1.067	.0045	-.1058	22.56	.0086

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3617**	**.0488**	**.3210**	**2.159**	**249.3**	**19.59**	**.1688**	**32.68**	**1.714**
Stddev	.0175	.0033	.0026	.038	.4	.28	.0320	.17	.025
%RSD	4.829	6.727	.7961	1.779	.1741	1.433	18.94	.5256	1.469
#1	.3440	.0524	.3181	2.115	249.6	19.90	.1331	32.78	1.685
#2	.3619	.0460	.3219	2.178	249.6	19.35	.1947	32.77	1.731
#3	.3790	.0481	.3230	2.185	248.8	19.52	.1786	32.48	1.727

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0319**	**1.821**	**.2215**	**4.551**	**2.574**	**5.293**	**.0270**	**.0166**	**1.574**
Stddev	.0047	.231	.0025	.029	.014	.040	.0280	.0158	.037
%RSD	14.75	12.66	1.125	.6309	.5387	.7586	103.4	95.21	2.346
#1	.0347	1.908	.2187	4.526	2.566	5.328	.0187	.0306	1.597
#2	.0265	1.560	.2225	4.582	2.590	5.249	.0582	.0197	1.531
#3	.0346	1.996	.2233	4.543	2.567	5.302	.0042	-.0005	1.593

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.8457**	**.1843**	**3.993**	**-.0211**	**.2443**	**.0193**	**2.568**	**.0326**
Stddev	.0067	.0013	.057	.0108	.0051	.0111	.001	.0033
%RSD	.7933	.6956	1.417	51.22	2.074	57.73	.0559	10.19
#1	.8535	.1855	3.928	-.0183	.2404	.0069	2.569	.0288
#2	.8415	.1830	4.035	-.0120	.2500	.0284	2.566	.0341
#3	.8423	.1842	4.014	-.0331	.2425	.0226	2.568	.0349

Zoom In Zoom Out

Sample Name: MP57934-SD1 Acquired: 10/15/2025 16:52:32 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 25.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**21169.**	**255420.**	**37722.**	**10396.**
Stddev	10.	4412.	254.	13.
%RSD	.04649	1.7275	.67324	.12623
#1	21165.	260470.	37812.	10390.
#2	21162.	252320.	37436.	10387.
#3	21181.	253470.	37919.	10411.

Zoom In Zoom Out

Sample Name: MP57934-PS1 Acquired: 10/15/2025 16:57:30 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2508**	**97.79**	**1.965**	**1.920**	**2.872**	**1.894**	**-.0260**	**45.63**	**1.883**
Stddev	.0015	.08	.002	.002	.006	.001	.0089	.09	.005
%RSD	.6156	.0798	.0830	.0822	.2080	.0578	34.24	.1883	.2652
#1	.2496	97.85	1.963	1.922	2.878	1.893	-.0333	45.69	1.881
#2	.2526	97.81	1.965	1.919	2.872	1.894	-.0161	45.66	1.880
#3	.2503	97.70	1.967	1.919	2.866	1.895	-.0284	45.53	1.889

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3207**	**1.883**	**2.156**	**3.972**	**260.3**	**42.14**	**.1545**	**55.27**	**3.527**
Stddev	.0147	.002	.031	.056	.1	.13	.0013	.02	.051
%RSD	4.590	.1037	1.432	1.409	.0446	.3011	.8483	.0330	1.437
#1	.3325	1.881	2.133	3.933	260.3	42.28	.1557	55.26	3.490
#2	.3253	1.883	2.192	4.036	260.5	42.11	.1548	55.29	3.585
#3	.3042	1.885	2.145	3.948	260.3	42.03	.1531	55.25	3.507

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.933**	**25.97**	**2.105**	**4.331**	**4.308**	**4.886**	**1.906**	**1.875**	**1.539**
Stddev	.006	.01	.003	.004	.003	.019	.008	.007	.014
%RSD	.3001	.0520	.1336	.0875	.0766	.3833	.4181	.3811	.9020
#1	1.931	25.98	2.103	4.332	4.305	4.883	1.898	1.870	1.532
#2	1.928	25.97	2.104	4.327	4.308	4.869	1.907	1.873	1.555
#3	1.940	25.96	2.109	4.335	4.312	4.906	1.914	1.884	1.531

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.751**	**2.036**	**5.706**	**1.937**	**2.050**	**1.233**	**4.265**	**1.882**
Stddev	.007	.006	.082	.003	.028	.013	.003	.026
%RSD	.2436	.2727	1.429	.1621	1.378	1.047	.0640	1.408
#1	2.743	2.041	5.643	1.934	2.029	1.221	4.268	1.860
#2	2.752	2.036	5.798	1.938	2.082	1.231	4.262	1.911
#3	2.756	2.030	5.678	1.940	2.038	1.246	4.265	1.875

Zoom In Zoom Out

Sample Name: MP57934-PS1 Acquired: 10/15/2025 16:57:30 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**20816.**	**255180.**	**38514.**	**10445.**
Stddev	27.	4212.	185.	15.
%RSD	.13164	1.6508	.48128	.14394
#1	20786.	258450.	38392.	10428.
#2	20822.	250430.	38727.	10458.
#3	20839.	256660.	38423.	10449.

Zoom In Zoom Out

Sample Name: JE20850-6 Acquired: 10/15/2025 17:02:19 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0018**	**78.14**	**.1154**	**.0646**	**1.192**	**.0047**	**-.0081**	**19.94**	**.0044**
Stddev	.0006	.06	.0013	.0008	.000	.0002	.0010	.02	.0004
%RSD	33.15	.0720	1.107	1.185	.0074	3.306	12.40	.0947	8.129
#1	.0025	78.12	.1146	.0643	1.192	.0045	-.0073	19.92	.0047
#2	.0015	78.09	.1147	.0654	1.192	.0047	-.0077	19.95	.0045
#3	.0014	78.20	.1168	.0639	1.192	.0048	-.0092	19.96	.0040

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3683**	**.0434**	**.3908**	**1.165**	**312.8**	**21.79**	**.1503**	**32.16**	**1.406**
Stddev	.0084	.0003	.0038	.015	5.9	.01	.0015	.05	.015
%RSD	2.274	.7316	.9716	1.277	1.890	.0555	.9986	.1522	1.064
#1	.3680	.0434	.3887	1.153	306.5	21.78	.1499	32.10	1.396
#2	.3768	.0430	.3952	1.181	313.6	21.79	.1519	32.19	1.423
#3	.3600	.0436	.3886	1.160	318.2	21.81	.1489	32.18	1.398

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0403**	**1.448**	**.1597**	**6.243**	**9.179**	**23.19**	**.0106**	**.0171**	**1.447**
Stddev	.0005	.014	.0003	.012	.010	.03	.0001	.0022	.020
%RSD	1.176	.9813	.1788	.1885	.1072	.1363	.7447	12.78	1.357
#1	.0397	1.463	.1599	6.234	9.174	23.15	.0107	.0177	1.466
#2	.0406	1.436	.1599	6.238	9.172	23.19	.0105	.0147	1.427
#3	.0405	1.443	.1594	6.256	9.190	23.22	.0106	.0190	1.447

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.8302**	**.5879**	**4.420**	**-.0020**	**.2531**	**.0211**	**1.555**	**.0413**
Stddev	.0015	.0007	.044	.0024	.0029	.0010	.002	.0007
%RSD	.1823	.1244	.9886	122.6	1.146	4.682	.1115	1.581
#1	.8299	.5871	4.399	-.0011	.2520	.0222	1.554	.0414
#2	.8289	.5885	4.471	-.0001	.2564	.0207	1.553	.0419
#3	.8319	.5881	4.392	-.0047	.2509	.0203	1.557	.0406

Zoom In Zoom Out

Sample Name: JE20850-6 Acquired: 10/15/2025 17:02:19 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**20880.**	**254230.**	**38845.**	**10455.**
Stddev	21.	2937.	344.	8.
%RSD	.10185	1.1554	.88442	.08130
#1	20883.	255740.	39232.	10457.
#2	20899.	250840.	38727.	10462.
#3	20857.	256100.	38576.	10445.

Zoom In Zoom Out

Sample Name: JE20850-23 Acquired: 10/15/2025 17:07:17 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0041**	**59.84**	**.1742**	**.2085**	**1.348**	**.0035**	**-.0168**	**76.08**	**.0125**
Stddev	.0020	.02	.0048	.0035	.000	.0001	.0022	.03	.0005
%RSD	49.29	.0293	2.760	1.689	.0331	1.687	13.18	.0422	3.855
#1	.0041	59.84	.1742	.2118	1.349	.0035	-.0156	76.06	.0129
#2	.0020	59.82	.1694	.2048	1.348	.0034	-.0155	76.07	.0120
#3	.0060	59.86	.1790	.2087	1.349	.0035	-.0194	76.12	.0125

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2418**	**.0641**	**.3579**	**1.848**	**766.3**	**15.04**	**.1261**	**33.67**	**4.489**
Stddev	.0186	.0008	.0061	.038	4.6	.16	.0120	.09	.093
%RSD	7.678	1.199	1.713	2.054	.6021	1.037	9.491	.2582	2.068
#1	.2622	.0649	.3623	1.877	761.0	15.14	.1149	33.61	4.565
#2	.2259	.0635	.3509	1.805	768.2	14.86	.1246	33.63	4.386
#3	.2373	.0638	.3605	1.863	769.7	15.12	.1387	33.77	4.515

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0627**	**1.623**	**.2664**	**6.490**	**6.632**	**55.95**	**.0281**	**.0248**	**1.922**
Stddev	.0006	.029	.0004	.010	.009	.14	.0073	.0052	.008
%RSD	.8790	1.761	.1361	.1568	.1350	.2477	25.88	21.06	.4013
#1	.0633	1.604	.2668	6.489	6.632	55.82	.0291	.0287	1.917
#2	.0622	1.609	.2661	6.480	6.623	55.92	.0204	.0269	1.931
#3	.0626	1.656	.2663	6.501	6.641	56.10	.0348	.0189	1.918

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.077**	**.7604**	**3.147**	**.0068**	**.2066**	**.0326**	**4.747**	**.0375**
Stddev	.004	.0005	.061	.0030	.0045	.0022	.002	.0010
%RSD	.1901	.0607	1.946	44.11	2.165	6.784	.0365	2.682
#1	2.073	.7599	3.198	.0033	.2108	.0311	4.748	.0386
#2	2.080	.7604	3.079	.0087	.2019	.0352	4.746	.0367
#3	2.078	.7609	3.164	.0083	.2069	.0316	4.745	.0371

Zoom In Zoom Out

Sample Name: JE20850-23 Acquired: 10/15/2025 17:07:17 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**21229.**	**251120.**	**38440.**	**10379.**
Stddev	29.	4826.	119.	16.
%RSD	.13521	1.9219	.31077	.15706
#1	21204.	247170.	38543.	10370.
#2	21222.	256500.	38468.	10369.
#3	21260.	249680.	38309.	10398.

Zoom In Zoom Out

Sample Name: JE20850-28 Acquired: 10/15/2025 17:12:16 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0062**	**94.08**	**.1756**	**.1076**	**6.829**	**.0060**	**.0131**	**19.94**	**.0078**
Stddev	.0003	.20	.0102	.0017	.003	.0007	.0110	.04	.0006
%RSD	4.639	.2103	5.789	1.603	.0488	10.88	84.31	.2064	7.545
#1	.0065	94.29	.1767	.1094	6.832	.0061	.0245	19.96	.0078
#2	.0059	94.05	.1852	.1059	6.829	.0053	.0025	19.96	.0072
#3	.0062	93.90	.1650	.1074	6.826	.0066	.0123	19.89	.0084

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4499**	**.0886**	**.3865**	**1.357**	**518.6**	**25.20**	**.1808**	**38.80**	**3.052**
Stddev	.0172	.0009	.0048	.028	.5	.28	.0130	.11	.044
%RSD	3.812	.9804	1.234	2.047	.0888	1.110	7.189	.2813	1.434
#1	.4443	.0896	.3815	1.325	519.0	25.50	.1921	38.93	3.002
#2	.4692	.0879	.3910	1.375	518.6	25.15	.1666	38.77	3.079
#3	.4363	.0882	.3870	1.370	518.1	24.94	.1836	38.72	3.076

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0497**	**1.655**	**.2480**	**7.216**	**40.43**	**18.64**	**-.0124**	**.0222**	**1.748**
Stddev	.0017	.101	.0008	.014	.03	.06	.0043	.0042	.019
%RSD	3.492	6.087	.3191	.1937	.0690	.3092	34.48	19.17	1.102
#1	.0514	1.624	.2489	7.206	40.41	18.58	-.0080	.0174	1.749
#2	.0498	1.574	.2478	7.209	40.43	18.65	-.0126	.0236	1.767
#3	.0480	1.768	.2473	7.232	40.46	18.69	-.0165	.0255	1.729

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.295**	**.6685**	**5.325**	**-.0147**	**.3006**	**.0522**	**2.928**	**.0601**
Stddev	.003	.0021	.074	.0090	.0056	.0044	.002	.0021
%RSD	.2491	.3176	1.385	60.92	1.879	8.365	.0534	3.469
#1	1.291	.6690	5.242	-.0125	.2941	.0473	2.930	.0578
#2	1.297	.6704	5.352	-.0246	.3034	.0558	2.927	.0606
#3	1.297	.6662	5.382	-.0071	.3043	.0534	2.927	.0619

Zoom In Zoom Out

Sample Name: JE20850-28 Acquired: 10/15/2025 17:12:16 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**21309.**	**253700.**	**38902.**	**10484.**
Stddev	40.	3109.	137.	14.
%RSD	.18690	1.2253	.35218	.13125
#1	21269.	257220.	38762.	10469.
#2	21310.	251330.	38907.	10485.
#3	21348.	252560.	39036.	10497.

Zoom In Zoom Out

Sample Name: JE20837-8 1 Acquired: 10/15/2025 17:17:09 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: MP57940

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0132**	**.9931**	**.0234**	**1.282**	**.0154**	**.0001**	**-.0189**	**11.76**	**.0032**
Stddev	.0098	.4654	.0166	.019	.0062	.0015	.0210	.06	.0077
%RSD	74.51	46.86	70.76	1.493	40.07	2398.	110.7	.4796	243.2
#1	-.0187	.6390	.0407	1.304	.0205	.0008	-.0160	11.69	.0102
#2	-.0018	.8202	.0219	1.277	.0086	.0010	-.0412	11.79	-.0050
#3	-.0191	1.520	.0076	1.267	.0170	-.0016	.0004	11.79	.0043

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0200**	**.0061**	**-.0004**	**.0868**	**1.482**	**33.65**	**-.2150**	**.9465**	**.0617**
Stddev	.0269	.0025	.0044	.0129	.053	1.20	.2089	.4249	.0015
%RSD	134.7	41.62	1159.	14.89	3.598	3.554	97.20	44.89	2.366
#1	.0477	.0039	-.0024	.0965	1.543	32.92	.0257	1.381	.0629
#2	.0183	.0055	.0046	.0722	1.455	33.01	-.3201	.9259	.0601
#3	-.0060	.0089	-.0033	.0919	1.447	35.03	-.3505	.5324	.0620

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0127**	**2304.**	**.0078**	**.5875**	**.0170**	**10.59**	**.0295**	**.0530**	**4.023**
Stddev	.0075	5.	.0037	.0207	.0040	.07	.0248	.0350	.012
%RSD	59.28	.2039	46.81	3.518	23.54	.7016	84.10	66.03	.3035
#1	.0211	2309.	.0105	.6062	.0140	10.56	.0515	.0418	4.013
#2	.0067	2302.	.0094	.5909	.0215	10.54	.0026	.0250	4.037
#3	.0102	2300.	.0036	.5653	.0154	10.67	.0344	.0923	4.019

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0114**	**.0636**	**.0005**	**.0045**	**.0160**	**.2186**	**.1319**	**.0132**
Stddev	.0236	.0021	.0091	.0385	.0018	.0212	.0019	.0086
%RSD	206.7	3.256	2005.	864.1	10.98	9.690	1.478	65.17
#1	-.0125	.0660	.0108	.0372	.0166	.2430	.1316	.0114
#2	.0121	.0623	-.0032	.0141	.0141	.2049	.1340	.0056
#3	.0348	.0625	-.0063	-.0380	.0175	.2079	.1301	.0226

Zoom In Zoom Out

Sample Name: JE20837-8 1 Acquired: 10/15/2025 17:17:09 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 50.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: MP57940

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**20891.**	**241560.**	**37900.**	**10262.**
Stddev	29.	1900.	177.	7.
%RSD	.13823	.78660	.46668	.07058
#1	20882.	241130.	37729.	10260.
#2	20923.	243640.	38082.	10270.
#3	20868.	239920.	37890.	10256.

Zoom In Zoom Out

Sample Name: CCV Acquired: 10/15/2025 17:22:13 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2466**	**39.69**	**2.001**	**2.009**	**2.019**	**1.992**	**2.010**	**40.17**	**2.027**
Stddev	.0015	.01	.002	.002	.003	.043	.003	.07	.002
%RSD	.6237	.0359	.0971	.1214	.1498	2.176	.1656	.1651	.1006
#1	.2461	39.70	2.001	2.007	2.022	2.000	2.011	40.25	2.027
#2	.2453	39.68	2.003	2.008	2.018	2.031	2.006	40.13	2.026
#3	.2483	39.68	1.999	2.011	2.017	1.945	2.013	40.14	2.030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.013**	**1.996**	**2.073**	**1.943**	**40.10**	**39.87**	**1.985**	**39.86**	**2.058**
Stddev	.012	.003	.010	.011	.07	.09	.001	.10	.025
%RSD	.5881	.1492	.4983	.5649	.1656	.2366	.0638	.2590	1.210
#1	2.006	1.993	2.070	1.937	40.17	39.94	1.986	39.98	2.070
#2	2.006	1.996	2.065	1.936	40.06	39.76	1.984	39.80	2.030
#3	2.027	1.999	2.085	1.955	40.06	39.90	1.986	39.80	2.076
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.034**	**40.17**	**2.020**	**2.045**	**2.005**	**1.994**	**2.034**	**2.019**	**4.909**
Stddev	.002	.04	.002	.001	.001	.004	.002	.005	.008
%RSD	.0769	.1076	.0803	.0581	.0412	.1839	.0840	.2281	.1617
#1	2.033	40.22	2.019	2.045	2.005	1.991	2.035	2.015	4.904
#2	2.033	40.16	2.019	2.043	2.005	1.998	2.032	2.017	4.905
#3	2.035	40.13	2.022	2.045	2.006	1.995	2.034	2.024	4.918
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: CCV Acquired: 10/15/2025 17:22:13 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.060**	**2.027**	**2.077**	**2.019**	**2.041**	**1.995**	**2.035**	**2.081**
Stddev	.002	.027	.010	.002	.012	.004	.004	.009
%RSD	.0749	1.320	.4719	.0992	.5776	.2013	.1948	.4438
#1	2.058	2.054	2.075	2.017	2.035	1.991	2.031	2.078
#2	2.060	2.027	2.069	2.019	2.034	1.994	2.038	2.073
#3	2.061	2.000	2.088	2.021	2.055	1.999	2.037	2.091
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**20114.**	**239280.**	**37752.**	**10106.**
Stddev	46.	1863.	347.	27.
%RSD	.23082	.77883	.92038	.26339
#1	20153.	239680.	37410.	10127.
#2	20062.	240900.	37742.	10076.
#3	20126.	237240.	38105.	10115.

Zoom In Zoom Out

Sample Name: CCB Acquired: 10/15/2025 17:27:28 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0197**	**.0012**	**.0047**	**.0010**	**.0009**	**.0003**	**.0154**	**.0002**
Stddev	.0002	.0071	.0005	.0003	.0003	.0003	.0006	.0066	.0001
%RSD	38.94	36.24	40.65	6.203	30.55	37.73	192.1	42.79	33.82
#1	.0006	.0118	.0011	.0049	.0014	.0012	-.0003	.0221	.0002
#2	.0003	.0256	.0007	.0049	.0009	.0008	.0009	.0152	.0002
#3	.0003	.0217	.0017	.0044	.0008	.0005	.0003	.0089	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0030**	**.0000**	**.0002**	**.0006**	**.0197**	**.1042**	**-.0013**	**.0206**	**.0003**
Stddev	.0024	.0001	.0001	.0005	.0083	.0208	.0006	.0153	.0000
%RSD	78.72	263.5	39.92	73.50	42.20	19.93	46.22	74.14	12.13
#1	-.0022	.0001	.0003	.0002	.0287	.0943	-.0006	.0360	.0004
#2	-.0057	.0000	.0001	.0011	.0183	.1280	-.0015	.0204	.0003
#3	-.0012	-.0000	.0003	.0006	.0122	.0902	-.0018	.0055	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**.0507**	**.0002**	**-.0001**	**-.0001**	**.0014**	**.0004**	**.0011**	**.0035**
Stddev	.0001	.0148	.0002	.0007	.0003	.0018	.0002	.0004	.0007
%RSD	9.285	29.10	120.1	449.0	304.5	129.1	62.09	33.72	19.98
#1	.0007	.0668	.0001	-.0008	.0002	.0029	.0002	.0014	.0042
#2	.0006	.0378	-.0000	-.0001	-.0001	-.0006	.0006	.0007	.0033
#3	.0006	.0475	.0004	.0005	-.0004	.0020	.0003	.0013	.0029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: CCB Acquired: 10/15/2025 17:27:28 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0009**	**.0004**	**.0005**	**.0007**	**.0036**	**.0004**	**.0006**
Stddev	.0001	.0004	.0001	.0002	.0002	.0006	.0001	.0003
%RSD	20.69	42.26	20.48	48.03	23.63	15.61	20.02	42.44
#1	.0004	.0013	.0004	.0005	.0008	.0042	.0005	.0008
#2	.0006	.0008	.0005	.0007	.0008	.0036	.0005	.0007
#3	.0004	.0005	.0003	.0002	.0005	.0031	.0004	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**21587.**	**250660.**	**37896.**	**10420.**
Stddev	8.	5945.	217.	12.
%RSD	.03663	2.3716	.57197	.11128
#1	21578.	257520.	38118.	10408.
#2	21594.	247090.	37884.	10431.
#3	21589.	247360.	37685.	10420.

Zoom In Zoom Out

Sample Name: JE20771-5 7 Acquired: 10/15/2025 17:32:30 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: FB

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0003**	**.0129**	**.0002**	**.0045**	**.0002**	**.0001**	**-.0005**	**.0224**	**.0002**
Stddev	.0001	.0071	.0001	.0004	.0001	.0000	.0004	.0003	.0002
%RSD	32.63	54.95	67.76	8.298	25.83	54.29	88.81	1.540	99.82
#1	-.0002	.0104	.0002	.0048	.0002	.0000	-.0007	.0226	.0001
#2	-.0004	.0074	.0000	.0045	.0003	.0000	.0000	.0227	.0000
#3	-.0003	.0208	.0003	.0041	.0002	.0001	-.0007	.0221	.0004

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0017**	**-.0001**	**.0002**	**.0003**	**.0107**	**.0132**	**-.0004**	**.0111**	**.0006**
Stddev	.0019	.0001	.0002	.0003	.0010	.0400	.0012	.0045	.0000
%RSD	112.1	91.04	82.14	87.37	9.053	302.8	281.9	40.72	2.642
#1	-.0002	-.0000	.0003	.0001	.0107	-.0058	.0009	.0084	.0007
#2	-.0039	-.0001	.0004	.0006	.0097	-.0138	-.0012	.0162	.0006
#3	-.0010	-.0002	.0000	.0002	.0117	.0592	-.0010	.0085	.0006

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0875**	**.0001**	**.0034**	**.0003**	**.0128**	**.0008**	**.0008**	**.0167**
Stddev	.0001	.0023	.0001	.0004	.0007	.0015	.0008	.0008	.0002
%RSD	18.15	2.658	94.89	12.00	194.1	11.61	101.8	106.8	1.359
#1	.0003	.0865	.0001	.0034	.0006	.0138	-.0001	.0017	.0169
#2	.0004	.0901	.0000	.0031	-.0004	.0134	.0009	.0004	.0168
#3	.0003	.0857	.0002	.0039	.0009	.0111	.0015	.0002	.0165

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0001**	**.0003**	**-.0005**	**.0000**	**.0034**	**.0050**	**.0002**
Stddev	.0002	.0001	.0001	.0010	.0001	.0004	.0001	.0002
%RSD	62.23	51.68	25.33	190.0	289.8	12.77	1.796	102.1
#1	.0002	.0001	.0003	.0003	-.0001	.0029	.0050	.0002
#2	.0005	.0002	.0002	-.0003	.0000	.0037	.0051	.0000
#3	.0002	.0001	.0002	-.0016	.0001	.0036	.0049	.0005

Zoom In Zoom Out

Sample Name: JE20771-5 7 Acquired: 10/15/2025 17:32:30 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: FB

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**21563.**	**253310.**	**38421.**	**10461.**
Stddev	66.	1397.	105.	30.
%RSD	.30588	.55149	.27447	.28276
#1	21616.	254850.	38299.	10477.
#2	21585.	252130.	38485.	10480.
#3	21489.	252940.	38478.	10427.

Zoom In Zoom Out

Sample Name: JE20771-4 Acquired: 10/15/2025 17:37:29 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: MP57936

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0010**	**22.74**	**.0261**	**.4220**	**.6260**	**.0024**	**-.0031**	**136.9**	**.0013**
Stddev	.0002	.03	.0008	.0013	.0007	.0001	.0011	2.0	.0000
%RSD	16.53	.1415	2.904	.3170	.1187	2.311	35.91	1.474	2.100
#1	-.0012	22.72	.0266	.4205	.6262	.0024	-.0043	138.2	.0013
#2	-.0009	22.78	.0264	.4226	.6266	.0025	-.0020	138.0	.0013
#3	-.0010	22.73	.0252	.4230	.6252	.0024	-.0031	134.6	.0013

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1112**	**.0187**	**.0380**	**.0506**	**34.44**	**34.17**	**.0762**	**91.18**	**7.202**
Stddev	.0006	.0003	.0003	.0006	.05	.15	.0017	.17	.122
%RSD	.5157	1.659	.8082	1.231	.1525	.4388	2.247	.1910	1.690
#1	.1108	.0184	.0382	.0511	34.39	33.99	.0746	90.98	7.298
#2	.1119	.0187	.0376	.0499	34.50	34.25	.0780	91.31	7.065
#3	.1110	.0190	.0381	.0508	34.44	34.26	.0761	91.25	7.242

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0034**	**F 846.9**	**.0325**	**2.128**	**.0838**	**21.85**	**.0135**	**.0051**	**F 34.35**
Stddev	.0000	7.2	.0002	.002	.0005	.04	.0002	.0015	.07
%RSD	1.410	.8529	.4845	.0860	.5720	.1723	1.324	29.64	.1977
#1	.0035	838.7	.0324	2.128	.0833	21.83	.0135	.0068	34.32
#2	.0034	849.8	.0325	2.126	.0841	21.83	.0134	.0042	34.30
#3	.0034	852.3	.0327	2.130	.0841	21.90	.0137	.0042	34.43

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0050**	**1.381**	**.4718**	**.0052**	**.1278**	**.0039**	**1.479**	**.0043**
Stddev	.0006	.002	.0040	.0007	.0011	.0005	.001	.0001
%RSD	12.13	.1497	.8400	14.48	.8524	13.79	.0720	2.563
#1	.0047	1.383	.4763	.0060	.1290	.0039	1.480	.0044
#2	.0057	1.381	.4691	.0047	.1268	.0033	1.478	.0042
#3	.0046	1.379	.4699	.0048	.1277	.0044	1.480	.0042

Zoom In Zoom Out

Sample Name: JE20771-4 Acquired: 10/15/2025 17:37:29 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: MP57936

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**17877.**	**223660.**	**38019.**	**9707.1**
Stddev	8.	2280.	214.	10.7
%RSD	.04675	1.0194	.56368	.11010
#1	17886.	221580.	38256.	9706.1
#2	17875.	226100.	37839.	9697.0
#3	17869.	223290.	37962.	9718.3

Zoom In Zoom Out

Sample Name: JE20844-1 Acquired: 10/15/2025 17:42:46 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**1.070**	**.0058**	**.2082**	**.5317**	**.0007**	**.0008**	**131.6**	**-.0009**
Stddev	.0002	.010	.0009	.0002	.0004	.0000	.0015	1.3	.0002
%RSD	87.30	.9518	15.39	.0858	.0741	6.491	189.0	1.001	24.37
#1	-.0001	1.070	.0059	.2082	.5318	.0007	.0007	133.1	-.0007
#2	-.0005	1.080	.0049	.2084	.5320	.0006	.0023	131.4	-.0011
#3	-.0001	1.059	.0067	.2080	.5313	.0007	-.0007	130.4	-.0009

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0368**	**.0066**	**.0134**	**.0162**	**3.512**	**2.381**	**.0180**	**19.43**	F **19.24**
Stddev	.0014	.0001	.0003	.0002	.004	.029	.0032	.05	.24
%RSD	3.672	1.413	2.078	1.480	.1295	1.209	17.91	.2822	1.259
#1	.0362	.0067	.0132	.0160	3.515	2.402	.0143	19.47	19.40
#2	.0360	.0066	.0134	.0165	3.507	2.348	.0194	19.36	19.35
#3	.0384	.0065	.0137	.0162	3.514	2.391	.0202	19.45	18.96

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0018**	F **239.3**	**.0135**	**.4683**	**.0115**	**7.563**	**.0133**	**.0112**	**8.632**
Stddev	.0002	3.1	.0002	.0017	.0003	.007	.0002	.0010	.002
%RSD	12.75	1.303	1.838	.3659	3.036	.0957	1.447	9.284	.0169
#1	.0017	242.4	.0133	.4699	.0112	7.569	.0134	.0123	8.631
#2	.0016	236.2	.0134	.4665	.0119	7.555	.0131	.0103	8.630
#3	.0020	239.1	.0138	.4686	.0114	7.564	.0134	.0110	8.633

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0006**	**.2802**	**.0397**	**.0090**	**.0036**	**-.0021**	**.0478**	**.0012**
Stddev	.0003	.0005	.0001	.0008	.0001	.0009	.0000	.0002
%RSD	45.05	.1630	.3006	9.259	3.639	44.78	.0457	17.75
#1	-.0003	.2802	.0396	.0081	.0034	-.0010	.0477	.0014
#2	-.0009	.2807	.0399	.0095	.0036	-.0027	.0478	.0013
#3	-.0007	.2798	.0397	.0095	.0036	-.0025	.0478	.0010

Zoom In Zoom Out

Sample Name: JE20844-1 Acquired: 10/15/2025 17:42:46 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**19159.**	**231650.**	**37596.**	**9869.0**
Stddev	16.	1939.	205.	16.8
%RSD	.08181	.83716	.54597	.17052
#1	19144.	230600.	37446.	9850.3
#2	19175.	230460.	37830.	9883.0
#3	19158.	233890.	37511.	9873.7

Zoom In Zoom Out

Sample Name: JE20848-1 Acquired: 10/15/2025 17:48:05 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0244**	**.0001**	**.0230**	**.0056**	**.0000**	**-.0008**	**3.573**	**.0001**
Stddev	.0003	.0027	.0006	.0004	.0002	.0000	.0012	.005	.0001
%RSD	48.27	11.19	397.5	1.954	3.991	112.6	138.9	.1391	87.23
#1	.0008	.0213	.0007	.0226	.0056	.0001	.0003	3.579	.0002
#2	.0004	.0256	-.0004	.0235	.0053	-.0000	-.0009	3.571	.0000
#3	.0004	.0263	.0002	.0228	.0058	.0001	-.0020	3.570	.0001

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0005**	**.0030**	**.0002**	**.0076**	**.0357**	**.7199**	**.0004**	**1.407**	**.0034**
Stddev	.0018	.0001	.0001	.0007	.0003	.0267	.0004	.002	.0004
%RSD	371.0	3.528	75.96	9.469	.8113	3.707	103.6	.1441	10.48
#1	-.0017	.0029	.0000	.0073	.0354	.6897	-.0001	1.409	.0030
#2	.0016	.0031	.0003	.0084	.0360	.7292	.0007	1.406	.0035
#3	-.0013	.0029	.0003	.0070	.0358	.7406	.0007	1.406	.0036

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**11.02**	**.0054**	**.0047**	**.0013**	**.5479**	**.0021**	**.0004**	**3.335**
Stddev	.0002	.04	.0001	.0007	.0005	.0008	.0011	.0008	.003
%RSD	256.0	.3223	1.064	14.22	36.52	.1372	50.91	173.4	.0903
#1	-.0000	11.04	.0053	.0054	.0018	.5483	.0016	-.0004	3.332
#2	-.0000	11.04	.0054	.0043	.0009	.5470	.0033	.0010	3.335
#3	.0003	10.98	.0054	.0043	.0011	.5483	.0013	.0007	3.338

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0004**	**.0165**	**.0002**	**-.0003**	**.0004**	**.0021**	**.0556**	**.0003**
Stddev	.0001	.0001	.0002	.0004	.0002	.0002	.0001	.0002
%RSD	36.35	.6438	107.5	146.5	52.61	11.94	.1915	52.10
#1	-.0002	.0165	.0004	-.0008	.0002	.0019	.0556	.0001
#2	-.0005	.0166	.0002	-.0001	.0003	.0020	.0556	.0005
#3	-.0004	.0164	-.0000	.0000	.0006	.0023	.0557	.0003

Zoom In Zoom Out

Sample Name: JE20848-1 Acquired: 10/15/2025 17:48:05 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**21230.**	**251510.**	**38134.**	**10445.**
Stddev	47.	5051.	20.	30.
%RSD	.21911	2.0081	.05272	.29110
#1	21263.	254670.	38149.	10470.
#2	21251.	245680.	38111.	10454.
#3	21177.	254170.	38142.	10411.

Zoom In Zoom Out

Sample Name: JE20848-2 Acquired: 10/15/2025 17:53:03 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0393**	**-.0003**	**.0176**	**.0057**	**.0000**	**-.0005**	**3.672**	**.0000**
Stddev	.0001	.0117	.0008	.0003	.0001	.0000	.0012	.005	.0002
%RSD	19.39	29.75	299.9	1.715	1.109	48.12	252.3	.1398	8710.
#1	.0003	.0350	-.0002	.0174	.0056	.0000	-.0000	3.670	.0000
#2	.0005	.0525	.0005	.0174	.0058	.0000	-.0018	3.677	-.0002
#3	.0004	.0304	-.0011	.0179	.0057	.0000	.0004	3.668	.0001

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0014**	**.0028**	**.0008**	**.0020**	**.0681**	**.6968**	**.0007**	**1.503**	**.0013**
Stddev	.0017	.0001	.0003	.0004	.0011	.0136	.0020	.008	.0000
%RSD	120.4	1.807	41.93	18.35	1.601	1.956	293.2	.5532	2.201
#1	-.0030	.0028	.0012	.0016	.0688	.6811	.0025	1.498	.0012
#2	-.0016	.0028	.0006	.0024	.0686	.7060	-.0015	1.499	.0013
#3	.0004	.0029	.0006	.0019	.0668	.7033	.0010	1.513	.0013

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**15.35**	**.0035**	**.0100**	**.0006**	**2.499**	**.0013**	**.0019**	**3.751**
Stddev	.0001	.02	.0001	.0004	.0005	.005	.0007	.0015	.003
%RSD	34.56	.1047	3.218	3.565	77.56	.2043	54.96	79.81	.0894
#1	.0004	15.34	.0035	.0100	.0011	2.494	.0006	.0030	3.749
#2	.0002	15.37	.0037	.0096	.0001	2.501	.0020	.0025	3.749
#3	.0003	15.34	.0034	.0103	.0006	2.503	.0014	.0002	3.755

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0007**	**.0168**	**.0008**	**.0001**	**.0008**	**.0034**	**.0161**	**.0003**
Stddev	.0006	.0001	.0003	.0012	.0002	.0006	.0001	.0001
%RSD	75.87	.3272	32.13	1886.	21.31	18.57	.6098	24.26
#1	-.0008	.0167	.0007	-.0011	.0006	.0039	.0162	.0002
#2	-.0013	.0168	.0006	.0013	.0009	.0027	.0160	.0003
#3	-.0002	.0167	.0011	-.0000	.0009	.0034	.0162	.0004

Zoom In Zoom Out

Sample Name: JE20848-2 Acquired: 10/15/2025 17:53:03 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**21137.**	**251190.**	**38186.**	**10401.**
Stddev	47.	1575.	296.	27.
%RSD	.22287	.62686	.77553	.25976
#1	21177.	252890.	38442.	10425.
#2	21148.	250890.	37862.	10407.
#3	21085.	249780.	38253.	10372.

Zoom In Zoom Out

Sample Name: JE20848-3 Acquired: 10/15/2025 17:58:00 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0008**	**.0191**	**.0002**	**.0103**	**.0030**	**.0000**	**-.0003**	**2.831**	**.0002**
Stddev	.0001	.0110	.0003	.0003	.0002	.0000	.0004	.002	.0001
%RSD	11.08	57.61	153.7	2.938	8.276	363.1	119.6	.0714	67.89
#1	.0007	.0088	-.0001	.0105	.0033	.0001	-.0005	2.833	.0001
#2	.0009	.0178	.0003	.0104	.0028	.0000	.0001	2.830	.0001
#3	.0009	.0307	.0004	.0099	.0029	-.0000	-.0006	2.829	.0003

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0005**	**.0027**	**.0005**	**.0025**	**.0082**	**.5457**	**-.0006**	**1.127**	**.0029**
Stddev	.0011	.0001	.0002	.0002	.0015	.0227	.0014	.012	.0000
%RSD	215.2	4.434	39.00	8.620	18.10	4.167	251.1	1.045	1.115
#1	-.0013	.0026	.0005	.0024	.0071	.5307	.0002	1.127	.0028
#2	.0007	.0027	.0003	.0027	.0099	.5719	.0003	1.139	.0029
#3	-.0009	.0029	.0006	.0023	.0076	.5345	-.0022	1.115	.0029

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**7.838**	**.0030**	**.0074**	**.0009**	**.6353**	**.0005**	**.0014**	**3.205**
Stddev	.0000	.014	.0000	.0006	.0006	.0024	.0011	.0012	.007
%RSD	17.11	.1741	1.535	8.457	68.05	.3731	201.6	84.14	.2082
#1	.0002	7.841	.0030	.0068	.0004	.6357	-.0004	.0015	3.200
#2	.0001	7.823	.0030	.0080	.0016	.6327	.0003	.0002	3.202
#3	.0001	7.849	.0030	.0074	.0007	.6374	.0018	.0025	3.212

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0140**	**-.0001**	**-.0004**	**.0003**	**.0019**	**.0052**	**.0002**
Stddev	.0002	.0000	.0002	.0010	.0001	.0008	.0000	.0001
%RSD	155.9	.1858	123.1	258.2	20.82	44.80	.5621	61.15
#1	.0001	.0140	-.0002	-.0005	.0004	.0022	.0052	.0002
#2	-.0001	.0140	.0000	.0006	.0003	.0009	.0051	.0001
#3	-.0003	.0140	-.0003	-.0013	.0003	.0025	.0051	.0004

Zoom In Zoom Out

Sample Name: JE20848-3 Acquired: 10/15/2025 17:58:00 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**21241.**	**253420.**	**38251.**	**10452.**
Stddev	38.	2168.	210.	15.
%RSD	.17797	.85567	.54955	.14240
#1	21268.	255900.	38032.	10467.
#2	21197.	251890.	38451.	10437.
#3	21256.	252470.	38271.	10453.

Inst QC: MA59558

Zoom In Zoom Out

Sample Name: JE20907-1 Acquired: 10/15/2025 18:03:00 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**9.793**	**.0148**	**.0375**	**.5807**	**.0003**	**-.0043**	**22.85**	**.0010**
Stddev	.0001	.010	.0011	.0004	.0004	.0000	.0020	.06	.0001
%RSD	112.3	.1060	7.512	1.114	.0665	18.90	45.47	.2431	5.853
#1	.0002	9.799	.0161	.0374	.5804	.0002	-.0042	22.90	.0011
#2	.0000	9.781	.0140	.0380	.5811	.0003	-.0024	22.79	.0011
#3	.0000	9.800	.0143	.0372	.5805	.0003	-.0063	22.84	.0010

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0406**	**.0025**	**.0226**	**.0193**	**28.61**	**2.345**	**.0032**	**2.987**	**.2223**
Stddev	.0029	.0001	.0002	.0004	.04	.012	.0014	.013	.0016
%RSD	7.093	3.524	1.076	1.972	.1274	.5252	44.09	.4449	.7289
#1	.0400	.0025	.0227	.0192	28.65	2.351	.0046	3.000	.2214
#2	.0437	.0025	.0226	.0197	28.58	2.354	.0032	2.974	.2242
#3	.0380	.0026	.0223	.0189	28.60	2.331	.0018	2.988	.2214

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0106**	**32.51**	**.0073**	**4.064**	**.0268**	**4.245**	**.0076**	**.0057**	**12.85**
Stddev	.0001	.05	.0001	.007	.0004	.003	.0010	.0004	.02
%RSD	.9177	.1542	1.415	.1667	1.650	.0689	12.70	7.630	.1705
#1	.0106	32.56	.0072	4.058	.0266	4.243	.0076	.0058	12.84
#2	.0105	32.47	.0074	4.072	.0273	4.245	.0086	.0053	12.87
#3	.0107	32.49	.0072	4.063	.0264	4.248	.0067	.0061	12.83

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.1954**	**.1752**	**.0016**	**.0282**	**.0014**	**.2979**	**.0054**
Stddev	.0003	.0003	.0011	.0009	.0002	.0000	.0005	.0002
%RSD	112.6	.1406	.6076	57.66	.5977	3.662	.1766	2.776
#1	-.0000	.1956	.1756	.0026	.0281	.0014	.2985	.0055
#2	.0002	.1951	.1760	.0009	.0284	.0013	.2978	.0056
#3	.0006	.1955	.1740	.0012	.0282	.0013	.2975	.0053

Zoom In Zoom Out

Sample Name: JE20907-1 Acquired: 10/15/2025 18:03:00 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**20675.**	**248510.**	**38991.**	**10455.**
Stddev	22.	1218.	420.	14.
%RSD	.10743	.49000	1.0767	.13069
#1	20650.	248390.	38529.	10444.
#2	20686.	247360.	39348.	10450.
#3	20690.	249790.	39098.	10470.

Zoom In Zoom Out

Sample Name: CCV Acquired: 10/15/2025 18:07:57 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2427**	**39.88**	**1.999**	**2.015**	**2.031**	**2.059**	**1.992**	**40.25**	**2.013**
Stddev	.0014	.02	.001	.004	.001	.039	.004	.05	.003
%RSD	.5897	.0385	.0589	.1859	.0625	1.881	.1789	.1145	.1263
#1	.2434	39.86	1.998	2.011	2.030	2.078	1.988	40.29	2.011
#2	.2437	39.89	2.000	2.016	2.031	2.085	1.994	40.20	2.015
#3	.2411	39.87	2.000	2.019	2.032	2.015	1.993	40.26	2.015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.997**	**2.021**	**2.010**	**1.970**	**40.46**	**40.20**	**2.030**	**40.13**	**2.027**
Stddev	.012	.003	.009	.012	.03	.03	.003	.07	.018
%RSD	.5878	.1447	.4235	.5813	.0749	.0745	.1288	.1735	.9110
#1	1.999	2.018	2.015	1.967	40.47	40.24	2.028	40.15	2.015
#2	2.008	2.020	2.014	1.983	40.42	40.18	2.033	40.05	2.048
#3	1.985	2.024	2.000	1.960	40.48	40.19	2.029	40.19	2.017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.023**	**40.20**	**2.037**	**2.022**	**2.026**	**1.989**	**2.008**	**2.019**	**4.952**
Stddev	.004	.02	.001	.004	.003	.004	.005	.004	.008
%RSD	.2053	.0498	.0653	.1879	.1508	.2160	.2330	.1783	.1606
#1	2.018	40.22	2.036	2.018	2.022	1.985	2.003	2.017	4.944
#2	2.023	40.18	2.037	2.025	2.026	1.988	2.010	2.018	4.953
#3	2.027	40.21	2.038	2.024	2.028	1.993	2.012	2.023	4.960
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: CCV Acquired: 10/15/2025 18:07:57 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.046**	**2.028**	**1.998**	**2.061**	**1.995**	**1.987**	**2.046**	**2.002**
Stddev	.004	.041	.010	.005	.013	.003	.003	.011
%RSD	.1957	2.027	.4892	.2648	.6243	.1729	.1459	.5718
#1	2.042	2.065	2.004	2.058	2.002	1.984	2.045	2.009
#2	2.047	2.035	2.002	2.058	2.003	1.986	2.045	2.007
#3	2.050	1.984	1.986	2.067	1.981	1.991	2.050	1.988
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**19875.**	**244790.**	**37820.**	**10151.**
Stddev	36.	278.	144.	15.
%RSD	.18004	.11360	.38009	.14908
#1	19848.	245110.	37674.	10145.
#2	19915.	244600.	37823.	10169.
#3	19862.	244660.	37962.	10141.

Zoom In Zoom Out

Sample Name: CCB Acquired: 10/15/2025 18:13:14 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0114**	**.0012**	**.0052**	**.0007**	**.0007**	**.0016**	**.0131**	**.0010**
Stddev	.0000	.0033	.0010	.0008	.0005	.0002	.0010	.0041	.0002
%RSD	22.82	28.83	89.88	16.30	66.20	22.39	65.03	31.29	23.53
#1	.0002	.0076	.0018	.0060	.0004	.0005	.0027	.0084	.0011
#2	.0001	.0131	-.0000	.0044	.0005	.0007	.0007	.0159	.0007
#3	.0001	.0135	.0017	.0052	.0012	.0008	.0014	.0149	.0012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007**	**.0010**	**.0008**	**.0007**	**.0149**	**.0358**	**-.0006**	**.0256**	**.0009**
Stddev	.0018	.0002	.0001	.0007	.0042	.0148	.0031	.0053	.0001
%RSD	278.1	23.37	11.17	91.28	27.84	41.44	549.0	20.73	5.898
#1	.0009	.0011	.0009	.0004	.0102	.0490	-.0039	.0195	.0010
#2	-.0013	.0007	.0007	.0015	.0166	.0198	-.0001	.0280	.0009
#3	.0024	.0011	.0008	.0003	.0181	.0386	.0023	.0292	.0010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0013**	**.0929**	**.0009**	**.0004**	**.0005**	**.0004**	**.0010**	**.0011**	**.0052**
Stddev	.0001	.0056	.0001	.0004	.0002	.0009	.0007	.0009	.0005
%RSD	8.432	5.984	10.44	99.91	42.02	221.6	68.42	84.98	9.456
#1	.0013	.0966	.0009	.0007	.0004	.0001	.0009	.0019	.0053
#2	.0012	.0955	.0009	-.0001	.0008	.0015	.0004	.0001	.0056
#3	.0014	.0865	.0008	.0006	.0004	-.0003	.0018	.0013	.0046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: CCB Acquired: 10/15/2025 18:13:14 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0010**	**.0007**	**.0012**	**.0000**	**.0011**	**.0030**	**.0011**	**.0010**
Stddev	.0005	.0002	.0001	.0003	.0001	.0004	.0001	.0001
%RSD	47.18	36.81	12.84	587.1	11.46	12.80	13.20	10.71
#1	.0004	.0004	.0013	-.0002	.0011	.0034	.0010	.0011
#2	.0012	.0007	.0013	.0004	.0013	.0027	.0009	.0009
#3	.0012	.0009	.0010	-.0000	.0010	.0028	.0012	.0011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**21368.**	**252180.**	**38221.**	**10458.**
Stddev	7.	3870.	190.	1.
%RSD	.03312	1.5345	.49636	.00807
#1	21360.	254980.	38085.	10458.
#2	21374.	247760.	38438.	10459.
#3	21371.	253790.	38141.	10458.

Zoom In Zoom Out

Sample Name: MP57944-MB1 7 Acquired: 10/15/2025 18:18:14 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**.0097**	**.0003**	**.0074**	**-.0001**	**.0000**	**-.0004**	**.0272**	**-.0000**
Stddev	.0004	.0028	.0002	.0006	.0000	.0000	.0011	.0012	.0001
%RSD	80.09	29.26	72.50	7.746	11.62	41.20	265.6	4.348	553.4
#1	.0009	.0129	.0002	.0073	-.0001	.0000	-.0011	.0274	.0001
#2	.0000	.0076	.0001	.0070	-.0001	.0000	.0009	.0282	-.0002
#3	.0007	.0086	.0005	.0081	-.0001	.0000	-.0010	.0259	.0000

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0026**	**-.0001**	**.0002**	**.0001**	**.0115**	**.0051**	**.0005**	**.0088**	**.0002**
Stddev	.0012	.0002	.0001	.0001	.0003	.0216	.0006	.0034	.0000
%RSD	47.07	168.4	33.46	119.8	2.971	426.6	119.7	38.93	20.27
#1	-.0016	.0001	.0002	.0000	.0119	.0292	-.0001	.0058	.0002
#2	-.0024	-.0002	.0001	.0002	.0114	-.0015	.0006	.0080	.0002
#3	-.0040	-.0002	.0002	.0000	.0113	-.0125	.0010	.0125	.0003

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.1001**	**.0001**	**.0016**	**-.0003**	**.0065**	**.0012**	**.0016**	**.3320**
Stddev	.0002	.0065	.0001	.0004	.0006	.0015	.0004	.0008	.0022
%RSD	111.7	6.465	136.3	25.02	171.1	23.56	30.17	52.45	.6714
#1	.0003	.0940	-.0000	.0020	.0003	.0070	.0008	.0007	.3345
#2	.0002	.0995	.0002	.0012	-.0006	.0047	.0015	.0017	.3302
#3	-.0000	.1069	.0001	.0014	-.0008	.0076	.0014	.0023	.3314

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0001**	**.0003**	**-.0001**	**.0000**	**.0028**	**.0034**	**.0002**
Stddev	.0002	.0000	.0001	.0010	.0001	.0008	.0001	.0001
%RSD	216.8	31.13	45.82	1100.	293.5	30.19	2.571	41.78
#1	.0002	.0001	.0003	-.0006	.0001	.0030	.0033	.0004
#2	-.0002	.0001	.0005	.0011	-.0001	.0019	.0035	.0002
#3	.0003	.0001	.0002	-.0007	.0001	.0035	.0035	.0002

Zoom In Zoom Out

Sample Name: MP57944-MB1 7 Acquired: 10/15/2025 18:18:14 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**21417.**	**255440.**	**38714.**	**10495.**
Stddev	16.	1668.	159.	17.
%RSD	.07482	.65300	.41077	.16411
#1	21433.	256890.	38783.	10515.
#2	21415.	253620.	38827.	10483.
#3	21402.	255820.	38532.	10487.

Zoom In Zoom Out

Sample Name: MP57944-B1 Acquired: 10/15/2025 18:23:13 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2558**	**24.90**	**1.967**	**1.957**	**1.991**	**2.000**	**-.0031**	**25.30**	**1.967**
Stddev	.0010	.01	.000	.001	.001	.023	.0011	.03	.001
%RSD	.3968	.0280	.0184	.0530	.0542	1.147	34.58	.1231	.0673
#1	.2547	24.90	1.967	1.957	1.992	1.987	-.0038	25.26	1.966
#2	.2561	24.89	1.967	1.955	1.990	2.027	-.0018	25.33	1.966
#3	.2566	24.90	1.966	1.957	1.991	1.988	-.0036	25.30	1.968

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0023**	**1.977**	**1.991**	**1.963**	**25.40**	**25.15**	**-.0010**	**25.07**	**2.006**
Stddev	.0027	.003	.008	.006	.02	.04	.0013	.07	.004
%RSD	114.9	.1291	.4168	.3281	.0859	.1490	137.0	.2795	.2078
#1	-.0049	1.975	1.981	1.960	25.38	25.12	.0001	24.99	2.010
#2	-.0024	1.976	1.995	1.970	25.39	25.19	-.0025	25.10	2.005
#3	.0004	1.980	1.996	1.958	25.42	25.15	-.0006	25.12	2.002

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.980**	**25.40**	**1.990**	**.0368**	**1.985**	**-.0110**	**1.953**	**1.966**	**.4226**
Stddev	.001	.02	.002	.0008	.004	.0007	.001	.001	.0015
%RSD	.0694	.0724	.0930	2.137	.1909	6.579	.0731	.0598	.3503
#1	1.979	25.38	1.990	.0359	1.983	-.0104	1.953	1.965	.4236
#2	1.980	25.42	1.988	.0373	1.982	-.0118	1.952	1.965	.4209
#3	1.981	25.41	1.992	.0373	1.989	-.0107	1.955	1.967	.4232

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.002**	**1.962**	**1.963**	**2.030**	**1.986**	**1.772**	**2.011**	**1.967**
Stddev	.003	.020	.009	.005	.008	.004	.004	.007
%RSD	.1687	1.037	.4348	.2301	.4127	.1954	.1884	.3690
#1	2.001	1.939	1.954	2.025	1.977	1.769	2.008	1.959
#2	1.999	1.976	1.971	2.031	1.993	1.772	2.009	1.974
#3	2.006	1.971	1.966	2.035	1.989	1.776	2.015	1.969

Zoom In Zoom Out

Sample Name: MP57944-B1 Acquired: 10/15/2025 18:23:13 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**20280.**	**246720.**	**38273.**	**10251.**
Stddev	58.	1544.	292.	30.
%RSD	.28476	.62587	.76337	.29092
#1	20317.	248390.	38592.	10268.
#2	20310.	246410.	38017.	10268.
#3	20213.	245350.	38212.	10216.

Zoom In Zoom Out

Sample Name: MP57944-S1 Acquired: 10/15/2025 18:28:27 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2129**	**20.39**	**1.647**	**1.636**	**1.622**	**1.642**	**-.0031**	**36.55**	**1.616**
Stddev	.0016	.03	.004	.002	.004	.004	.0010	.04	.002
%RSD	.7647	.1256	.2178	.1496	.2596	.2711	31.68	.1202	.0987
#1	.2145	20.42	1.646	1.634	1.627	1.647	-.0039	36.59	1.617
#2	.2112	20.37	1.645	1.634	1.621	1.640	-.0020	36.56	1.614
#3	.2130	20.38	1.652	1.638	1.619	1.639	-.0033	36.50	1.617

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**1.617**	**1.617**	**1.590**	**20.74**	**46.37**	**-.0029**	**29.66**	**2.024**
Stddev	.0010	.003	.014	.014	.04	.07	.0015	.00	.016
%RSD	965.4	.1666	.8735	.8964	.2086	.1483	52.38	.0047	.7669
#1	.0011	1.617	1.631	1.603	20.79	46.44	-.0037	29.66	2.038
#2	-.0009	1.614	1.603	1.575	20.74	46.36	-.0012	29.65	2.026
#3	.0001	1.620	1.617	1.593	20.70	46.31	-.0039	29.66	2.007

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.595**	**132.6**	**1.631**	**.1414**	**1.611**	**54.88**	**1.628**	**1.631**	**5.963**
Stddev	.002	.7	.002	.0017	.002	.08	.002	.002	.008
%RSD	.0955	.5297	.1153	1.222	.1423	.1373	.1243	.1166	.1358
#1	1.595	132.8	1.631	.1425	1.611	54.87	1.628	1.632	5.961
#2	1.593	133.2	1.629	.1394	1.609	54.80	1.626	1.629	5.956
#3	1.596	131.9	1.633	.1423	1.613	54.95	1.630	1.631	5.972

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.636**	**1.764**	**1.612**	**1.640**	**1.618**	**1.229**	**1.672**	**1.623**
Stddev	.002	.007	.014	.004	.014	.003	.002	.014
%RSD	.1217	.4261	.8657	.2710	.8474	.2117	.1168	.8787
#1	1.634	1.767	1.626	1.637	1.630	1.227	1.671	1.637
#2	1.638	1.755	1.598	1.639	1.603	1.229	1.670	1.608
#3	1.636	1.769	1.611	1.645	1.620	1.232	1.674	1.625

Zoom In Zoom Out

Sample Name: MP57944-S1 Acquired: 10/15/2025 18:28:27 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**19664.**	**239340.**	**37727.**	**10060.**
Stddev	8.	2011.	205.	8.
%RSD	.03862	.84038	.54388	.08137
#1	19668.	237110.	37921.	10058.
#2	19656.	241020.	37746.	10052.
#3	19669.	239880.	37512.	10068.

Zoom In Zoom Out

Sample Name: MP57944-S2 Acquired: 10/15/2025 18:33:38 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2142**	**20.60**	**1.666**	**1.656**	**1.638**	**1.660**	**-.0030**	**36.46**	**1.635**
Stddev	.0022	.06	.002	.003	.004	.004	.0010	.06	.002
%RSD	1.007	.2777	.1193	.1694	.2132	.2603	32.31	.1699	.1325
#1	.2131	20.67	1.665	1.655	1.641	1.663	-.0022	36.53	1.635
#2	.2129	20.59	1.665	1.653	1.638	1.661	-.0027	36.45	1.634
#3	.2167	20.55	1.668	1.659	1.634	1.655	-.0040	36.41	1.638

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0010**	**1.635**	**1.622**	**1.598**	**21.02**	**46.33**	**-.0012**	**29.75**	**2.024**
Stddev	.0006	.002	.016	.015	.05	.08	.0007	.05	.033
%RSD	59.87	.0986	1.009	.9599	.2591	.1639	58.86	.1709	1.650
#1	-.0016	1.634	1.614	1.590	21.08	46.40	-.0020	29.81	2.010
#2	-.0005	1.634	1.611	1.587	21.01	46.33	-.0007	29.73	2.000
#3	-.0009	1.637	1.641	1.615	20.97	46.25	-.0010	29.71	2.063

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.621**	**131.0**	**1.650**	**.2026**	**1.629**	**54.13**	**1.651**	**1.651**	**5.888**
Stddev	.002	.1	.001	.0011	.002	.10	.001	.004	.005
%RSD	.0959	.0711	.0290	.5295	.1183	.1884	.0684	.2515	.0822
#1	1.620	131.0	1.651	.2023	1.628	54.11	1.651	1.651	5.887
#2	1.620	131.1	1.650	.2017	1.628	54.04	1.650	1.646	5.883
#3	1.623	130.9	1.650	.2038	1.631	54.24	1.652	1.654	5.893

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.654**	**1.763**	**1.620**	**1.662**	**1.624**	**1.256**	**1.679**	**1.631**
Stddev	.004	.010	.016	.002	.016	.004	.002	.017
%RSD	.2492	.5921	.9985	.1362	.9960	.3453	.1293	1.060
#1	1.653	1.773	1.610	1.659	1.618	1.253	1.678	1.620
#2	1.650	1.762	1.610	1.664	1.612	1.254	1.677	1.622
#3	1.658	1.752	1.638	1.663	1.643	1.261	1.682	1.651

Zoom In Zoom Out

Sample Name: MP57944-S2 Acquired: 10/15/2025 18:33:38 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**19705.**	**241330.**	**38337.**	**10088.**
Stddev	11.	2015.	280.	10.
%RSD	.05462	.83476	.73101	.09752
#1	19693.	241560.	38186.	10083.
#2	19711.	243210.	38660.	10099.
#3	19712.	239210.	38164.	10082.

Zoom In Zoom Out

Sample Name: JE20847-4 Acquired: 10/15/2025 18:38:44 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**.0046**	**.0058**	**.0420**	**.0190**	**-.0000**	**-.0004**	**18.44**	**.0002**
Stddev	.0002	.0066	.0003	.0004	.0001	.0000	.0012	.01	.0002
%RSD	1212.	143.6	4.308	.9679	.6597	458.2	313.1	.0589	112.1
#1	.0001	-.0023	.0056	.0423	.0191	.0000	.0010	18.43	-.0000
#2	.0001	.0109	.0059	.0415	.0189	-.0001	-.0013	18.44	.0002
#3	-.0003	.0052	.0061	.0421	.0191	.0000	-.0008	18.45	.0004

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0026**	**.0015**	**-.0000**	**-.0009**	**.0108**	**30.53**	**-.0012**	**10.81**	**.4541**
Stddev	.0026	.0003	.0001	.0002	.0012	.04	.0011	.02	.0045
%RSD	102.0	21.60	249.3	24.43	11.17	.1190	85.99	.2237	1.002
#1	.0026	.0011	-.0001	-.0007	.0113	30.49	-.0019	10.83	.4568
#2	-.0000	.0016	-.0001	-.0011	.0117	30.54	-.0019	10.82	.4566
#3	.0053	.0018	.0001	-.0008	.0094	30.56	-.0000	10.79	.4488

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0015**	**133.4**	**.0017**	**.1583**	**.0012**	**64.13**	**.0047**	**.0031**	**6.297**
Stddev	.0000	.5	.0002	.0003	.0007	.08	.0009	.0015	.004
%RSD	3.189	.3963	11.15	.2210	55.39	.1239	18.65	48.23	.0690
#1	.0014	134.0	.0016	.1579	.0004	64.22	.0057	.0037	6.302
#2	.0015	133.0	.0016	.1586	.0017	64.07	.0041	.0014	6.296
#3	.0015	133.3	.0019	.1583	.0015	64.10	.0042	.0043	6.293

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0010**	**.1577**	**-.0001**	**.0010**	**.0011**	**.0251**	**.0047**	**.0011**
Stddev	.0001	.0001	.0002	.0004	.0001	.0003	.0003	.0004
%RSD	11.98	.0669	127.4	42.64	9.769	1.271	6.552	32.70
#1	-.0012	.1576	-.0001	.0005	.0012	.0254	.0045	.0011
#2	-.0009	.1578	-.0003	.0011	.0012	.0250	.0046	.0014
#3	-.0010	.1578	-.0000	.0014	.0010	.0248	.0051	.0007

Zoom In Zoom Out

Sample Name: JE20847-4 Acquired: 10/15/2025 18:38:44 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**19956.**	**243510.**	**38046.**	**10174.**
Stddev	5.	1985.	60.	9.
%RSD	.02695	.81498	.15686	.08867
#1	19951.	241970.	37978.	10167.
#2	19962.	242810.	38090.	10184.
#3	19956.	245750.	38071.	10172.

Zoom In Zoom Out

Sample Name: MP57944-SD1 Acquired: 10/15/2025 18:43:49 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0679**	**.0084**	**.0605**	**.0189**	**-.0000**	**.0004**	**18.39**	**-.0000**
Stddev	.0016	.0524	.0018	.0009	.0005	.0001	.0019	.04	.0004
%RSD	619.2	77.18	21.46	1.517	2.848	340.6	459.8	.2258	1301.
#1	-.0012	.0122	.0086	.0610	.0195	-.0001	.0025	18.43	-.0001
#2	-.0000	.0751	.0065	.0609	.0190	.0000	-.0012	18.34	.0004
#3	.0019	.1163	.0101	.0594	.0184	.0000	-.0001	18.39	-.0004

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0047**	**.0013**	**.0018**	**-.0021**	**.0225**	**30.89**	**.0006**	**10.92**	**.4526**
Stddev	.0020	.0008	.0002	.0019	.0017	.04	.0034	.04	.0020
%RSD	41.73	62.28	8.669	87.76	7.371	.1373	605.1	.3968	.4388
#1	.0056	.0014	.0020	-.0042	.0243	30.93	-.0008	10.92	.4503
#2	.0025	.0004	.0018	-.0015	.0222	30.88	-.0019	10.88	.4535
#3	.0061	.0020	.0017	-.0007	.0210	30.84	.0044	10.97	.4540

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0017**	**134.5**	**.0026**	**.1455**	**.0017**	**62.70**	**.0037**	**.0065**	**6.326**
Stddev	.0005	.2	.0003	.0049	.0021	.09	.0043	.0027	.016
%RSD	26.70	.1825	13.31	3.389	123.4	.1390	117.2	41.88	.2521
#1	.0012	134.7	.0025	.1508	.0042	62.80	.0086	.0045	6.345
#2	.0019	134.2	.0023	.1446	.0007	62.62	.0018	.0054	6.318
#3	.0020	134.5	.0029	.1410	.0003	62.69	.0006	.0097	6.316

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0040**	**.1576**	**.0003**	**.0004**	**.0019**	**.0710**	**.0097**	**.0031**
Stddev	.0012	.0001	.0011	.0039	.0002	.0050	.0002	.0003
%RSD	30.36	.0715	438.6	989.0	11.77	6.977	1.716	9.829
#1	-.0027	.1577	.0012	-.0003	.0020	.0766	.0096	.0029
#2	-.0043	.1575	.0006	-.0031	.0021	.0671	.0096	.0034
#3	-.0051	.1576	-.0010	.0046	.0017	.0693	.0099	.0029

Zoom In Zoom Out

Sample Name: MP57944-SD1 Acquired: 10/15/2025 18:43:49 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**20905.**	**249540.**	**38140.**	**10353.**
Stddev	37.	715.	198.	19.
%RSD	.17545	.28646	.51802	.18406
#1	20913.	250370.	37973.	10350.
#2	20937.	249160.	38358.	10374.
#3	20865.	249100.	38090.	10336.

Zoom In Zoom Out

Sample Name: JE20818-1 Acquired: 10/15/2025 18:48:47 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007**	**.0297**	**.0002**	**.0757**	**.0704**	**.0001**	**-.0005**	**23.11**	**.0002**
Stddev	.0001	.0013	.0002	.0009	.0002	.0000	.0012	.03	.0001
%RSD	15.67	4.272	75.65	1.187	.3174	34.90	260.8	.1088	25.60
#1	.0007	.0305	.0003	.0767	.0706	.0001	-.0001	23.11	.0002
#2	.0008	.0303	.0003	.0749	.0704	.0000	-.0018	23.08	.0003
#3	.0006	.0282	.0000	.0756	.0701	.0001	.0006	23.13	.0002

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0031**	**.0037**	**.4030**	**.0007**	**.0327**	**5.511**	**.0043**	**14.33**	**.2504**
Stddev	.0024	.0002	.0014	.0001	.0005	.021	.0007	.02	.0007
%RSD	77.26	5.669	.3461	16.94	1.468	.3776	15.04	.1556	.2936
#1	.0058	.0040	.4046	.0008	.0331	5.515	.0050	14.35	.2513
#2	.0022	.0036	.4023	.0006	.0322	5.530	.0037	14.30	.2501
#3	.0013	.0036	.4021	.0006	.0328	5.489	.0042	14.34	.2499

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0009**	**69.14**	**.0188**	**.0073**	**.0016**	**8.229**	**.0060**	**.0027**	**4.319**
Stddev	.0001	.03	.0001	.0004	.0003	.010	.0006	.0014	.003
%RSD	7.478	.0488	.5982	5.336	16.56	.1169	9.346	50.97	.0581
#1	.0009	69.15	.0187	.0069	.0016	8.219	.0064	.0042	4.321
#2	.0010	69.11	.0189	.0073	.0013	8.230	.0063	.0014	4.316
#3	.0010	69.17	.0189	.0077	.0018	8.238	.0054	.0026	4.320

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0019**	**.1984**	**.0001**	**.0023**	**.0002**	**.0119**	**.0155**	**.0005**
Stddev	.0003	.0003	.0002	.0005	.0000	.0006	.0001	.0001
%RSD	14.90	.1307	109.1	23.63	28.68	4.660	.5962	25.63
#1	-.0022	.1982	.0001	.0029	.0001	.0124	.0156	.0006
#2	-.0017	.1982	.0003	.0018	.0002	.0113	.0154	.0003
#3	-.0017	.1987	.0000	.0021	.0002	.0119	.0155	.0005

Zoom In Zoom Out

Sample Name: JE20818-1 Acquired: 10/15/2025 18:48:47 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**20286.**	**245420.**	**38301.**	**10200.**
Stddev	19.	994.	183.	8.
%RSD	.09256	.40519	.47709	.08206
#1	20274.	244270.	38182.	10198.
#2	20308.	246020.	38511.	10209.
#3	20276.	245960.	38208.	10192.

Zoom In Zoom Out

Sample Name: CCV Acquired: 10/15/2025 18:53:44 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2452**	**39.78**	**1.985**	**2.009**	**2.013**	**2.007**	**1.981**	**40.02**	**2.003**
Stddev	.0016	.04	.002	.002	.002	.029	.002	.06	.003
%RSD	.6481	.0888	.1009	.1085	.1087	1.442	.0775	.1502	.1369
#1	.2435	39.82	1.983	2.007	2.016	2.002	1.983	40.09	2.002
#2	.2465	39.75	1.985	2.008	2.012	1.981	1.980	39.97	2.000
#3	.2458	39.77	1.987	2.011	2.012	2.038	1.982	40.01	2.006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.028**	**2.009**	**2.024**	**1.992**	**40.27**	**39.96**	**2.021**	**40.02**	**2.050**
Stddev	.015	.003	.014	.014	.06	.07	.001	.05	.022
%RSD	.7188	.1366	.7094	.7244	.1395	.1660	.0281	.1304	1.077
#1	2.012	2.009	2.008	1.975	40.32	40.04	2.022	40.07	2.026
#2	2.041	2.007	2.036	2.002	40.21	39.92	2.021	39.96	2.056
#3	2.030	2.012	2.028	1.998	40.30	39.93	2.021	40.04	2.069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.008**	**40.09**	**2.024**	**2.015**	**2.018**	**1.965**	**1.995**	**2.004**	**4.936**
Stddev	.004	.06	.003	.001	.004	.003	.003	.006	.008
%RSD	.1907	.1614	.1297	.0612	.1758	.1367	.1536	.2971	.1546
#1	2.008	40.16	2.023	2.013	2.017	1.966	1.998	2.006	4.938
#2	2.004	40.03	2.022	2.015	2.015	1.962	1.992	1.997	4.928
#3	2.012	40.08	2.027	2.015	2.022	1.967	1.995	2.008	4.942
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: CCV Acquired: 10/15/2025 18:53:44 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.029**	**1.985**	**2.004**	**2.051**	**2.020**	**1.980**	**2.038**	**2.011**
Stddev	.004	.017	.014	.002	.014	.005	.004	.014
%RSD	.1815	.8784	.7085	.0762	.6827	.2379	.1964	.6854
#1	2.027	1.977	1.989	2.050	2.005	1.977	2.035	1.996
#2	2.027	1.974	2.017	2.051	2.032	1.978	2.036	2.024
#3	2.033	2.005	2.008	2.053	2.023	1.986	2.043	2.013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**19946.**	**242730.**	**37818.**	**10204.**
Stddev	61.	2036.	142.	32.
%RSD	.30437	.83857	.37670	.31388
#1	19997.	245080.	37702.	10230.
#2	19962.	241690.	37977.	10214.
#3	19879.	241440.	37775.	10168.

Zoom In Zoom Out

Sample Name: CCB Acquired: 10/15/2025 18:59:01 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0137**	**.0014**	**.0058**	**.0007**	**.0006**	**-.0001**	**.0139**	**.0005**
Stddev	.0003	.0077	.0005	.0011	.0001	.0001	.0010	.0032	.0003
%RSD	120.4	56.35	34.14	19.02	13.60	11.23	1306.	23.04	53.93
#1	.0001	.0048	.0019	.0069	.0007	.0006	-.0007	.0109	.0008
#2	.0005	.0184	.0011	.0047	.0007	.0007	.0010	.0173	.0004
#3	.0000	.0178	.0011	.0060	.0006	.0006	-.0005	.0135	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**.0003**	**.0013**	**.0003**	**.0135**	**.1065**	**.0007**	**.0187**	**.0013**
Stddev	.0018	.0003	.0003	.0006	.0023	.0247	.0024	.0129	.0003
%RSD	4949.	74.50	26.59	175.7	17.11	23.21	330.0	68.76	23.13
#1	.0002	.0006	.0010	-.0003	.0108	.1344	.0032	.0132	.0011
#2	.0016	.0002	.0016	.0006	.0147	.0980	-.0017	.0334	.0017
#3	-.0020	.0002	.0012	.0007	.0150	.0872	.0007	.0095	.0013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0008**	**.0973**	**.0005**	**.0002**	**.0006**	**.0026**	**.0011**	**.0014**	**.0080**
Stddev	.0004	.0047	.0004	.0007	.0001	.0017	.0002	.0007	.0008
%RSD	47.72	4.831	90.18	301.5	25.68	63.80	21.79	53.45	9.493
#1	.0011	.1026	.0008	.0010	.0007	.0027	.0010	.0018	.0087
#2	.0009	.0956	.0006	-.0003	.0007	.0009	.0009	.0005	.0080
#3	.0004	.0936	-.0000	.0000	.0004	.0043	.0014	.0018	.0072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: CCB Acquired: 10/15/2025 18:59:01 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007**	**.0006**	**.0011**	**-.0001**	**.0015**	**.0073**	**.0006**	**.0015**
Stddev	.0006	.0001	.0002	.0005	.0003	.0003	.0002	.0001
%RSD	74.74	15.37	21.75	868.7	20.25	4.590	28.77	8.351
#1	.0013	.0005	.0009	.0004	.0011	.0076	.0008	.0015
#2	.0007	.0007	.0014	-.0006	.0017	.0070	.0007	.0016
#3	.0002	.0006	.0010	.0000	.0015	.0074	.0005	.0013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**21442.**	**254740.**	**38185.**	**10500.**
Stddev	9.	95.	259.	3.
%RSD	.04201	.03726	.67920	.02820
#1	21433.	254780.	38012.	10503.
#2	21451.	254630.	38483.	10499.
#3	21443.	254810.	38060.	10498.

Inst QC: MA59558

Zoom In Zoom Out

Sample Name: JE20818-2 Acquired: 10/15/2025 19:04:03 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0317**	**.0004**	**.0379**	**.1116**	**.0003**	**-.0005**	**14.49**	**.0002**
Stddev	.0002	.0064	.0003	.0006	.0001	.0000	.0004	.01	.0002
%RSD	80.09	20.29	67.44	1.668	.1321	13.30	76.55	.1016	87.04
#1	.0004	.0384	.0007	.0379	.1117	.0002	-.0009	14.49	.0000
#2	.0000	.0312	.0002	.0373	.1115	.0003	-.0007	14.48	.0002
#3	.0004	.0256	.0003	.0386	.1118	.0003	-.0001	14.50	.0004

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0063**	**.0016**	**.0012**	**.0016**	**.0181**	**3.550**	**.0111**	**7.309**	**.0437**
Stddev	.0030	.0001	.0001	.0006	.0008	.026	.0008	.015	.0008
%RSD	48.20	5.912	6.876	37.45	4.389	.7255	7.626	.2021	1.737
#1	.0059	.0015	.0013	.0011	.0188	3.523	.0110	7.297	.0429
#2	.0035	.0016	.0011	.0022	.0183	3.554	.0119	7.325	.0444
#3	.0096	.0017	.0012	.0014	.0172	3.574	.0103	7.304	.0439

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007**	**17.55**	**.0213**	**.0085**	**.0010**	**8.551**	**.0019**	**.0027**	**4.215**
Stddev	.0002	.02	.0001	.0002	.0002	.011	.0009	.0012	.004
%RSD	27.86	.0877	.3153	1.848	22.59	.1320	47.62	46.28	.0981
#1	.0008	17.54	.0213	.0086	.0009	8.547	.0020	.0041	4.216
#2	.0007	17.57	.0212	.0086	.0008	8.542	.0010	.0020	4.211
#3	.0005	17.56	.0212	.0083	.0012	8.564	.0028	.0019	4.219

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0015**	**.2048**	**.0001**	**.0005**	**.0006**	**.0067**	**.0332**	**.0003**
Stddev	.0006	.0004	.0003	.0004	.0000	.0003	.0001	.0002
%RSD	39.22	.1806	358.2	77.23	6.331	3.839	.2099	79.82
#1	-.0021	.2050	.0004	.0004	.0006	.0065	.0331	.0005
#2	-.0010	.2043	-.0003	.0010	.0007	.0067	.0332	.0002
#3	-.0013	.2049	.0002	.0002	.0006	.0070	.0333	.0001

Zoom In Zoom Out

Sample Name: JE20818-2 Acquired: 10/15/2025 19:04:03 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**20909.**	**249630.**	**38302.**	**10352.**
Stddev	12.	3700.	210.	8.
%RSD	.05523	1.4821	.54858	.07892
#1	20903.	253720.	38368.	10358.
#2	20922.	246520.	38471.	10356.
#3	20901.	248660.	38067.	10343.

Zoom In Zoom Out

Sample Name: JE20818-3 Acquired: 10/15/2025 19:09:00 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0005**	**.0092**	**.0011**	**.0542**	**.0548**	**.0000**	**.0004**	**33.58**	**-.0002**
Stddev	.0001	.0033	.0005	.0005	.0002	.0000	.0008	.05	.0001
%RSD	23.93	35.39	41.81	.8507	.2908	45.76	193.1	.1607	43.06
#1	-.0004	.0117	.0006	.0547	.0547	.0000	-.0005	33.62	-.0003
#2	-.0004	.0055	.0011	.0541	.0549	.0001	.0007	33.60	-.0003
#3	-.0006	.0105	.0015	.0538	.0546	.0000	.0010	33.52	-.0001

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0140**	**.0544**	**-.0008**	**.0006**	**.0096**	**4.831**	**.0046**	**11.55**	**4.187**
Stddev	.0013	.0002	.0002	.0004	.0007	.014	.0020	.02	.007
%RSD	9.000	.2919	21.52	70.32	6.881	.2827	42.70	.1875	.1784
#1	.0154	.0543	-.0010	.0009	.0099	4.816	.0064	11.54	4.183
#2	.0135	.0545	-.0006	.0001	.0088	4.833	.0025	11.58	4.183
#3	.0130	.0546	-.0008	.0007	.0101	4.843	.0048	11.54	4.196

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0012**	**80.23**	**.0230**	**.0052**	**.0007**	**10.29**	**.0073**	**.0038**	**3.352**
Stddev	.0001	.06	.0002	.0006	.0006	.02	.0008	.0021	.001
%RSD	4.983	.0716	.9542	11.52	78.48	.1817	10.97	54.83	.0187
#1	.0012	80.27	.0229	.0058	.0014	10.29	.0079	.0059	3.353
#2	.0012	80.26	.0230	.0051	.0005	10.27	.0076	.0036	3.352
#3	.0013	80.17	.0233	.0046	.0003	10.30	.0064	.0018	3.352

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0020**	**.2229**	**-.0002**	**.0039**	**.0009**	**.0044**	**.0097**	**.0001**
Stddev	.0004	.0004	.0001	.0009	.0001	.0007	.0001	.0001
%RSD	20.23	.1656	41.21	23.39	15.69	16.30	.9401	66.69
#1	-.0016	.2233	-.0001	.0030	.0010	.0048	.0097	.0002
#2	-.0024	.2225	-.0002	.0048	.0008	.0048	.0098	.0000
#3	-.0021	.2230	-.0002	.0041	.0011	.0036	.0096	.0002

Zoom In Zoom Out

Sample Name: JE20818-3 Acquired: 10/15/2025 19:09:00 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**20228.**	**243720.**	**37898.**	**10204.**
Stddev	18.	3105.	244.	4.
%RSD	.08831	1.2742	.64501	.04108
#1	20247.	245240.	37861.	10207.
#2	20212.	245760.	37674.	10199.
#3	20226.	240140.	38159.	10205.

Zoom In Zoom Out

Sample Name: JE20825-1 Acquired: 10/15/2025 19:14:05 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.4656**	**.0018**	**.2902**	**1.284**	**.0001**	**-.0020**	**158.5**	**-.0009**
Stddev	.0005	.0073	.0007	.0007	.001	.0000	.0003	1.6	.0001
%RSD	536.9	1.568	42.55	.2551	.0866	84.30	13.67	1.003	6.224
#1	.0001	.4575	.0021	.2909	1.286	.0001	-.0021	158.0	-.0009
#2	.0003	.4677	.0009	.2894	1.284	.0000	-.0016	160.3	-.0009
#3	-.0006	.4717	.0023	.2902	1.284	.0001	-.0021	157.3	-.0010

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0099**	**.0009**	**.0029**	**.0290**	**3.002**	**14.24**	**.3613**	**36.67**	**.1515**
Stddev	.0010	.0002	.0001	.0001	.005	.08	.0019	.05	.0005
%RSD	10.35	22.60	5.047	.4254	.1710	.5390	.5255	.1394	.3539
#1	.0109	.0011	.0028	.0289	3.004	14.15	.3621	36.70	.1508
#2	.0089	.0008	.0028	.0289	3.007	14.28	.3591	36.69	.1519
#3	.0098	.0008	.0031	.0291	2.997	14.29	.3626	36.61	.1517

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0018**	F **275.7**	**.0041**	**.1807**	**.0084**	**11.99**	**.0103**	**.0003**	**14.69**
Stddev	.0002	5.1	.0002	.0015	.0003	.02	.0010	.0013	.05
%RSD	10.81	1.849	4.218	.8135	2.985	.2023	10.20	452.5	.3423
#1	.0019	281.5	.0042	.1791	.0082	11.98	.0114	.0015	14.65
#2	.0020	273.5	.0043	.1812	.0085	11.98	.0093	-.0011	14.67
#3	.0016	272.1	.0039	.1819	.0087	12.02	.0102	.0005	14.74

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0011**	**2.285**	**.0288**	**.0041**	**.0017**	**.0073**	**.0403**	**.0024**
Stddev	.0005	.036	.0001	.0005	.0002	.0002	.0001	.0001
%RSD	43.11	1.575	.4711	12.87	9.121	3.319	.1561	3.136
#1	.0012	2.246	.0287	.0047	.0019	.0073	.0403	.0023
#2	.0006	2.293	.0287	.0040	.0018	.0070	.0403	.0025
#3	.0015	2.316	.0289	.0036	.0015	.0075	.0404	.0024

Zoom In Zoom Out

Sample Name: JE20825-1 Acquired: 10/15/2025 19:14:05 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**18894.**	**230600.**	**37334.**	**9769.1**
Stddev	19.	836.	153.	8.4
%RSD	.10280	.36265	.40974	.08581
#1	18898.	231560.	37461.	9771.4
#2	18873.	230220.	37377.	9759.8
#3	18912.	230030.	37164.	9776.0

Zoom In Zoom Out

Sample Name: JE20825-3 Acquired: 10/15/2025 19:19:24 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.8044**	**.0012**	**.2966**	**1.314**	**.0001**	**-.0014**	**137.4**	**-.0004**
Stddev	.0001	.0049	.0012	.0001	.000	.0001	.0002	.7	.0001
%RSD	23.70	.6111	108.4	.0357	.0336	39.27	13.19	.4919	26.88
#1	.0005	.7997	.0002	.2967	1.314	.0001	-.0012	137.7	-.0005
#2	.0004	.8041	.0026	.2967	1.314	.0002	-.0015	137.8	-.0003
#3	.0006	.8095	.0007	.2965	1.313	.0001	-.0014	136.6	-.0004

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0096**	**.0009**	**.0016**	**.0078**	**2.274**	**13.49**	**.3791**	**32.95**	**.1177**
Stddev	.0017	.0001	.0002	.0004	.002	.03	.0012	.09	.0008
%RSD	17.79	6.742	11.44	5.110	.0702	.2158	.3179	.2626	.6898
#1	.0103	.0010	.0017	.0075	2.276	13.48	.3787	33.02	.1168
#2	.0107	.0009	.0018	.0077	2.273	13.46	.3781	32.85	.1180
#3	.0076	.0009	.0014	.0082	2.274	13.52	.3804	32.97	.1183

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0017**	F **258.1**	**.0021**	**.1063**	**.0030**	**4.307**	**.0102**	**-.0005**	**14.92**
Stddev	.0001	3.3	.0000	.0006	.0006	.003	.0012	.0017	.02
%RSD	5.814	1.266	2.105	.5758	18.70	.0760	12.00	325.3	.1379
#1	.0017	255.3	.0020	.1068	.0036	4.310	.0089	.0014	14.92
#2	.0018	257.3	.0021	.1056	.0025	4.303	.0104	-.0018	14.90
#3	.0016	261.7	.0020	.1063	.0029	4.307	.0113	-.0012	14.94

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0016**	**2.321**	**.0203**	**.0050**	**.0018**	**.0068**	**.0144**	**.0031**
Stddev	.0002	.033	.0012	.0007	.0002	.0003	.0000	.0001
%RSD	12.98	1.405	5.793	14.54	8.643	4.584	.2588	2.048
#1	-.0018	2.357	.0216	.0042	.0020	.0070	.0144	.0031
#2	-.0015	2.313	.0195	.0053	.0018	.0070	.0144	.0032
#3	-.0014	2.293	.0197	.0056	.0017	.0065	.0144	.0031

Zoom In Zoom Out

Sample Name: JE20825-3 Acquired: 10/15/2025 19:19:24 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**19017.**	**233060.**	**37555.**	**9819.0**
Stddev	28.	798.	276.	31.0
%RSD	.14875	.34222	.73369	.31611
#1	19036.	233980.	37357.	9832.7
#2	19031.	232640.	37869.	9840.8
#3	18985.	232560.	37437.	9783.4

Inst QC: MA59558

Zoom In / Zoom Out

Sample Name: JE20825-5 Acquired: 10/15/2025 19:24:46 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0521**	**.0004**	**.1184**	**.2940**	**.0000**	**-.0011**	**199.7**	**-.0011**
Stddev	.0001	.0111	.0004	.0002	.0002	.0000	.0009	1.4	.0001
%RSD	65.65	21.35	112.4	.1760	.0594	21.45	77.51	.7123	9.231
#1	-.0002	.0393	.0008	.1185	.2942	.0001	-.0011	201.3	-.0012
#2	-.0001	.0588	-.0001	.1182	.2939	.0000	-.0020	198.6	-.0011
#3	-.0001	.0582	.0004	.1185	.2939	.0000	-.0003	199.2	-.0010

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0101**	**-.0002**	**.0004**	**.0004**	**3.670**	**7.285**	**.0513**	**30.49**	**.5409**
Stddev	.0004	.0001	.0000	.0003	.004	.047	.0014	.01	.0023
%RSD	4.331	66.95	9.441	81.72	.1136	.6437	2.798	.0257	.4240
#1	.0099	-.0002	.0004	.0006	3.671	7.338	.0497	30.49	.5388
#2	.0106	-.0003	.0004	.0000	3.665	7.251	.0525	30.49	.5407
#3	.0098	-.0001	.0004	.0007	3.673	7.265	.0517	30.48	.5434

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0012**	**129.3**	**.0010**	**.6786**	**.0018**	**45.89**	**.0087**	**.0018**	**10.56**
Stddev	.0001	.8	.0001	.0014	.0005	.09	.0005	.0007	.02
%RSD	5.065	.5879	11.13	.2135	29.28	.1987	5.941	38.41	.1880
#1	.0012	130.2	.0010	.6776	.0017	45.83	.0090	.0017	10.57
#2	.0013	128.9	.0009	.6780	.0014	45.84	.0081	.0011	10.54
#3	.0013	128.9	.0011	.6803	.0024	45.99	.0089	.0025	10.57

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0014**	**1.033**	**.0006**	**.0052**	**.0001**	**.0060**	**.0025**	**.0004**
Stddev	.0005	.000	.0001	.0007	.0001	.0002	.0001	.0001
%RSD	31.94	.0332	21.73	13.25	93.61	3.922	3.769	27.26
#1	-.0018	1.033	.0006	.0060	.0000	.0061	.0024	.0003
#2	-.0009	1.032	.0006	.0048	.0001	.0057	.0025	.0005
#3	-.0016	1.033	.0004	.0048	.0002	.0062	.0026	.0005

Zoom In / Zoom Out

Sample Name: JE20825-5 Acquired: 10/15/2025 19:24:46 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**19252.**	**235930.**	**37085.**	**9778.0**
Stddev	49.	1108.	152.	27.7
%RSD	.25492	.46973	.41068	.28314
#1	19301.	236780.	36910.	9807.4
#2	19252.	236320.	37160.	9774.2
#3	19203.	234670.	37186.	9752.5

Zoom In / Zoom Out

Sample Name: JE20847-3 Acquired: 10/15/2025 19:29:50 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0007**	**.0102**	**.0034**	**.2267**	**.0540**	**.0003**	**.0001**	**97.12**	**-.0017**
Stddev	.0003	.0083	.0004	.0005	.0002	.0000	.0002	.06	.0001
%RSD	38.94	80.78	12.61	.2049	.3432	3.250	109.9	.0642	4.892
#1	-.0010	.0008	.0037	.2273	.0537	.0003	-.0000	97.05	-.0018
#2	-.0007	.0138	.0036	.2264	.0540	.0003	.0002	97.17	-.0016
#3	-.0005	.0161	.0029	.2265	.0541	.0003	.0003	97.14	-.0017

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0379**	**.0859**	**-.0042**	**.0002**	**.1534**	**29.18**	**-.0010**	**60.72**	F **21.24**
Stddev	.0040	.0001	.0002	.0001	.0008	.08	.0021	.04	.14
%RSD	10.54	.1564	5.430	67.29	.5268	.2799	208.0	.0592	.6679
#1	.0396	.0861	-.0045	.0002	.1538	29.09	.0013	60.76	21.23
#2	.0407	.0858	-.0041	.0004	.1524	29.24	-.0027	60.72	21.38
#3	.0333	.0859	-.0040	.0001	.1538	29.22	-.0016	60.69	21.10

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0014**	F **463.9**	**.0136**	**-.0003**	**.0002**	F **224.5**	**.0140**	**.0080**	**21.01**
Stddev	.0001	9.4	.0003	.0007	.0004	.2	.0005	.0013	.03
%RSD	7.044	2.017	2.488	240.2	154.5	.1068	3.557	16.17	.1576
#1	.0015	454.4	.0133	-.0010	.0006	224.3	.0134	.0085	20.98
#2	.0013	473.1	.0136	.0005	-.0002	224.4	.0141	.0090	21.00
#3	.0013	464.1	.0140	-.0005	.0004	224.8	.0144	.0065	21.05

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0019**	**.6135**	**-.0011**	**.0095**	**.0040**	**.0002**	**.0108**	**-.0000**
Stddev	.0003	.0009	.0003	.0011	.0002	.0004	.0002	.0002
%RSD	16.87	.1430	25.16	11.67	4.098	243.4	1.445	986.3
#1	-.0017	.6128	-.0008	.0090	.0042	-.0002	.0110	.0002
#2	-.0023	.6145	-.0014	.0088	.0039	.0006	.0107	-.0003
#3	-.0017	.6132	-.0012	.0108	.0038	.0001	.0108	.0000

Zoom In / Zoom Out

Sample Name: JE20847-3 Acquired: 10/15/2025 19:29:50 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**18632.**	**223510.**	**36872.**	**9592.7**
Stddev	21.	2098.	152.	7.4
%RSD	.11084	.93874	.41272	.07740
#1	18610.	225200.	37047.	9584.5
#2	18651.	221160.	36770.	9598.9
#3	18635.	224170.	36799.	9594.7

Zoom In Zoom Out

Sample Name: JE20847-5 Acquired: 10/15/2025 19:35:09 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**.1657**	**.0054**	**.0519**	**.0196**	**.0000**	**.0003**	**18.31**	**.0001**
Stddev	.0002	.0039	.0004	.0004	.0002	.0000	.0008	.01	.0001
%RSD	1795.	2.371	8.107	.7302	.7963	239.1	256.3	.0324	111.3
#1	.0002	.1613	.0059	.0523	.0197	-.0000	-.0006	18.32	.0002
#2	-.0001	.1686	.0051	.0515	.0194	.0000	.0007	18.31	.0001
#3	-.0001	.1674	.0051	.0520	.0195	.0000	.0008	18.31	-.0000

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0059**	**.0017**	**.0070**	**-.0005**	**.0204**	**33.22**	**.0005**	**10.74**	**.4584**
Stddev	.0028	.0002	.0003	.0002	.0010	.04	.0013	.01	.0032
%RSD	47.53	11.25	4.074	40.81	5.073	.1317	236.4	.0531	.7029
#1	.0068	.0015	.0069	-.0005	.0211	33.19	.0004	10.73	.4617
#2	.0083	.0016	.0067	-.0007	.0192	33.27	.0018	10.74	.4552
#3	.0028	.0019	.0073	-.0003	.0207	33.21	-.0007	10.74	.4584

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0020**	**137.1**	**.0018**	**.2439**	**.0010**	**64.35**	**.0062**	**.0027**	**6.949**
Stddev	.0002	2.8	.0003	.0005	.0006	.14	.0010	.0007	.011
%RSD	12.66	2.072	14.40	.1953	60.13	.2176	15.89	24.75	.1618
#1	.0022	134.9	.0021	.2436	.0016	64.44	.0057	.0025	6.953
#2	.0017	136.0	.0017	.2436	.0004	64.19	.0056	.0034	6.936
#3	.0020	140.3	.0016	.2444	.0012	64.43	.0073	.0022	6.957

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0017**	**.1571**	**.0000**	**.0012**	**.0204**	**.0045**	**.0048**	**-.0000**
Stddev	.0003	.0004	.0001	.0013	.0002	.0003	.0000	.0002
%RSD	19.95	.2529	1178.	105.9	.8155	7.055	.5041	421.6
#1	-.0019	.1575	.0000	.0027	.0206	.0049	.0048	.0001
#2	-.0013	.1572	.0000	.0007	.0203	.0044	.0048	-.0000
#3	-.0018	.1567	-.0001	.0003	.0203	.0043	.0048	-.0002

Zoom In Zoom Out

Sample Name: JE20847-5 Acquired: 10/15/2025 19:35:09 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**20059.**	**241770.**	**37711.**	**10166.**
Stddev	33.	1989.	187.	25.
%RSD	.16388	.82259	.49635	.24862
#1	20032.	239810.	37851.	10139.
#2	20049.	243780.	37783.	10169.
#3	20095.	241730.	37499.	10189.

Zoom In Zoom Out

Sample Name: JE20847-6 Acquired: 10/15/2025 19:40:11 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0051**	**.0344**	**.0023**	**.1881**	**.0264**	**.0000**	**.0020**	**103.2**	**.0020**
Stddev	.0001	.0051	.0005	.0003	.0001	.0000	.0014	1.4	.0001
%RSD	2.497	14.79	22.51	.1367	.3916	136.1	73.51	1.319	3.596
#1	.0052	.0396	.0028	.1878	.0263	.0001	.0036	103.8	.0021
#2	.0050	.0294	.0018	.1883	.0264	-.0000	.0014	101.6	.0021
#3	.0050	.0343	.0023	.1883	.0265	.0000	.0009	104.0	.0020

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0243**	**.1503**	**.0116**	**-.0019**	**5.490**	**29.90**	**.0247**	**63.83**	*****
Stddev	.0008	.0002	.0001	.0002	.005	.06	.0009	.07	-----
%RSD	3.382	.1199	1.120	10.46	.0848	.2135	3.805	.1147	-----
#1	.0250	.1504	.0114	-.0021	5.495	29.82	.0257	63.91	-----
#2	.0246	.1501	.0117	-.0018	5.489	29.94	.0239	63.76	-----
#3	.0234	.1503	.0117	-.0017	5.486	29.93	.0246	63.83	-----

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0010**	**F 483.8**	**.0218**	**-.0129**	**.0108**	**F 235.0**	**.0139**	**.0258**	**23.02**
Stddev	.0002	7.9	.0003	.0004	.0000	.2	.0006	.0032	.02
%RSD	18.72	1.635	1.311	3.431	.3970	.0722	4.433	12.27	.1078
#1	.0008	488.2	.0215	-.0124	.0107	235.1	.0134	.0272	23.02
#2	.0012	474.7	.0219	-.0133	.0108	234.9	.0138	.0222	23.00
#3	.0011	488.6	.0221	-.0130	.0107	235.2	.0146	.0281	23.05

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0021**	**.6317**	**-.0001**	**.0579**	**-.0006**	**.0057**	**.0044**	**.0000**
Stddev	.0002	.0002	.0001	.0010	.0002	.0001	.0001	.0001
%RSD	7.491	.0350	91.02	1.666	24.07	1.609	1.465	333.0
#1	-.0022	.6317	.0000	.0580	-.0007	.0057	.0044	.0001
#2	-.0022	.6314	-.0002	.0569	-.0007	.0057	.0043	.0001
#3	-.0019	.6319	-.0002	.0589	-.0005	.0056	.0045	-.0001

Zoom In Zoom Out

Sample Name: JE20847-6 Acquired: 10/15/2025 19:40:11 Type: Unk
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**18628.**	**225040.**	**36736.**	**9577.3**
Stddev	26.	756.	283.	19.5
%RSD	.13906	.33584	.77109	.20329
#1	18658.	225900.	36444.	9599.7
#2	18616.	224760.	37010.	9565.5
#3	18611.	224470.	36755.	9566.6

Inst QC: MA59558

Zoom In / Zoom Out

Sample Name: CCV Acquired: 10/15/2025 19:45:27 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2439**	**39.56**	**1.976**	**1.992**	**2.007**	**2.022**	**1.970**	**39.90**	**1.995**
Stddev	.0018	.02	.005	.004	.001	.006	.003	.03	.004
%RSD	.7435	.0476	.2501	.2190	.0278	.3003	.1346	.0783	.2202
#1	.2456	39.58	1.973	1.989	2.007	2.021	1.969	39.91	1.992
#2	.2440	39.54	1.973	1.990	2.008	2.028	1.969	39.86	1.994
#3	.2420	39.55	1.981	1.997	2.007	2.016	1.974	39.92	2.000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.009**	**1.989**	**2.043**	**1.958**	**39.96**	**39.87**	**2.000**	**39.81**	**2.038**
Stddev	.011	.003	.007	.009	.02	.03	.001	.03	.025
%RSD	.5555	.1732	.3462	.4469	.0446	.0661	.0595	.0680	1.205
#1	2.017	1.986	2.044	1.965	39.95	39.88	2.000	39.83	2.011
#2	2.013	1.987	2.050	1.962	39.96	39.85	1.999	39.78	2.043
#3	1.996	1.993	2.036	1.949	39.98	39.90	2.001	39.83	2.060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.002**	**40.22**	**2.007**	**2.010**	**2.000**	**1.972**	**1.987**	**1.990**	**4.992**
Stddev	.004	.04	.003	.003	.003	.002	.006	.006	.003
%RSD	.2155	.1011	.1666	.1679	.1468	.0910	.3025	.2900	.0519
#1	1.999	40.24	2.005	2.008	1.998	1.970	1.987	1.989	4.994
#2	2.000	40.25	2.006	2.008	1.999	1.973	1.982	1.985	4.989
#3	2.007	40.18	2.011	2.014	2.003	1.972	1.994	1.997	4.993
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In / Zoom Out

Sample Name: CCV Acquired: 10/15/2025 19:45:27 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.027**	**1.983**	**2.035**	**2.023**	**2.019**	**1.966**	**2.028**	**2.037**
Stddev	.003	.039	.007	.001	.006	.002	.004	.008
%RSD	.1700	1.954	.3706	.0588	.3107	.1238	.1853	.3942
#1	2.024	2.027	2.036	2.022	2.023	1.966	2.025	2.039
#2	2.026	1.952	2.043	2.024	2.022	1.963	2.026	2.044
#3	2.030	1.972	2.028	2.024	2.011	1.968	2.032	2.028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**20073.**	**240470.**	**37250.**	**10199.**
Stddev	40.	419.	206.	29.
%RSD	.20016	.17420	.55224	.28345
#1	20104.	240950.	37327.	10222.
#2	20087.	240280.	37406.	10208.
#3	20027.	240170.	37017.	10166.

Zoom In / Zoom Out

Sample Name: CCB Acquired: 10/15/2025 19:50:44 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0093**	**.0011**	**.0047**	**.0004**	**.0003**	**-.0002**	**.0040**	**.0002**
Stddev	.0002	.0053	.0007	.0006	.0001	.0001	.0007	.0012	.0001
%RSD	49.12	56.82	62.17	13.03	25.19	31.18	448.0	28.72	39.88
#1	.0002	.0129	.0017	.0054	.0005	.0003	-.0002	.0050	.0003
#2	.0003	.0117	.0004	.0043	.0004	.0003	-.0008	.0042	.0002
#3	.0006	.0032	.0012	.0044	.0003	.0002	.0006	.0028	.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0006**	**.0001**	**.0003**	**.0001**	**.0073**	**.1135**	**.0002**	**.0021**	**.0003**
Stddev	.0020	.0003	.0000	.0001	.0024	.0078	.0006	.0051	.0001
%RSD	360.9	423.3	11.38	285.9	32.62	6.888	315.9	246.2	19.10
#1	-.0028	.0005	.0003	-.0000	.0100	.1120	-.0005	-.0030	.0002
#2	.0001	-.0002	.0003	.0002	.0059	.1219	.0005	.0020	.0003
#3	.0010	-.0001	.0003	-.0000	.0060	.1065	.0005	.0072	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.1792**	**.0003**	**-.0004**	**.0005**	**.0033**	**.0008**	**.0012**	**.0454**
Stddev	.0001	.0152	.0002	.0005	.0005	.0009	.0007	.0001	.0020
%RSD	12.65	8.503	65.25	114.8	95.84	26.88	97.73	10.01	4.333
#1	.0004	.1961	.0005	.0000	.0009	.0025	.0008	.0013	.0473
#2	.0004	.1752	.0002	-.0009	-.0000	.0032	.0000	.0011	.0454
#3	.0005	.1665	.0002	-.0004	.0007	.0043	.0015	.0012	.0434
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In / Zoom Out

Sample Name: CCB Acquired: 10/15/2025 19:50:44 Type: QC
Method: SGS No Vlave3(v286) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0002**	**.0000**	**.0003**	**.0005**	**.0032**	**.0003**	**.0003**
Stddev	.0005	.0001	.0003	.0012	.0002	.0001	.0002	.0001
%RSD	253.2	69.54	742.7	342.0	36.27	4.364	55.72	26.41
#1	.0004	.0004	.0001	.0002	.0007	.0033	.0006	.0004
#2	.0006	.0002	.0003	.0016	.0003	.0031	.0003	.0003
#3	-.0004	.0001	-.0002	-.0007	.0005	.0033	.0002	.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**21578.**	**253960.**	**38022.**	**10504.**
Stddev	38.	966.	285.	22.
%RSD	.17394	.38052	.75008	.21008
#1	21590.	254580.	37742.	10509.
#2	21607.	252850.	38312.	10522.
#3	21536.	254450.	38012.	10479.

NOTE: The remaining raw data for this batch is not relevant to this job. As such it has been omitted.

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	☒	20	Mn	0.000231	0.000000	No
			Mo	0.000149	0.000000	No
			Ti	0.000020	0.000000	No
			Fe	0.000002	0.000000	No
			V	-0.001295	0.000000	No
			Zn	0.000020	0.000000	No
			Ca	-0.000000	0.000000	No
			Al	-0.000001	0.000000	No
			Ba	0.000005	0.000000	No
			Cr	0.000036	0.000000	No
			Si	-0.000002	0.000000	No
			Zr	0.006654	0.000000	No
			W	0.000162	0.000000	No
			Sn	0.000000	0.000000	No
			Ni	-0.000100	0.000000	No
			Ce	-0.001115	0.000000	No
			Mg	-0.000000	0.000000	No
			Co	0.000060	0.000000	No
			As	0.000080	0.000000	No
			Cu	-0.000089	0.000000	No
Al 396.152 { 85}	☒	8	Si	0.000378	0.000000	No
			Ca	0.000191	0.000000	No
			Mo	0.050471	0.000000	No
			Zr	0.016358	0.000000	No
			Ti	-0.000017	0.000000	No
			Ce	0.007470	0.000000	No
			Fe	0.000298	0.000000	No
			Cr	0.002100	0.000000	No
As 189.042 {478}	☒	25	Al	0.000012	0.000000	No
			Fe	-0.000005	0.000000	No
			Ca	0.000001	0.000000	No
			Mn	-0.000036	0.000000	No
			Mo	0.001651	0.000000	No
			Cr	0.000580	0.000000	No
			V	0.000134	0.000000	No
			Co	-0.000060	0.000000	No
			Sn	0.000019	0.000000	No
			Cd	-0.000065	0.000000	No
			Tl	0.000000	0.000000	No
			Si	0.000007	0.000000	No
			Zn	-0.000052	0.000000	No
			Sr	-0.000090	0.000000	No
			Zr	0.000048	0.000000	No
			Ti	0.000052	0.000000	No
			Cu	0.000076	0.000000	No
			Ag	0.000300	0.000000	No
			Mg	0.000004	0.000000	No
			W	0.001250	0.000000	No
			S	0.000001	0.000000	No
			B	0.000191	0.000000	No
			Ce	-0.000380	0.000000	No
			Se	0.000220	0.000000	No
			Ni	0.000164	0.000000	No
B 208.959 {462}	☒	10	Mo	0.051750	0.000000	No
			W	0.002650	0.000000	No
			Sn	-0.000026	0.000000	No
			Fe	-0.000010	0.000000	No
			Al	-0.000003	0.000000	No
			Ca	0.000028	0.000000	No
			Mg	-0.000008	0.000000	No
			V	0.001150	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Ba	0.001204	0.000000	No
			Be	0.000718	0.000000	No
Ba 455.403 { 74}	☒	2	Zr	0.001250	0.000000	No
			Al	0.000013	0.000000	No
Be 313.042 {108}	☒	14	V	0.001287	0.000000	No
			Mo	-0.000050	0.000000	No
			Ti	-0.000040	0.000000	No
			Mn	-0.000015	0.000000	No
			Cu	-0.000008	0.000000	No
			Zn	-0.000010	0.000000	No
			Al	-0.000001	0.000000	No
			Ni	0.000001	0.000000	No
			Cr	-0.000020	0.000000	No
			Fe	-0.000000	0.000000	No
			Mg	0.000000	0.000000	No
			K	0.000000	0.000000	No
			Ca	-0.000000	0.000000	No
			Ce	0.000100	0.000000	No
Bi 223.061 {451}	☒	11	V	-0.000300	0.000000	No
			Co	-0.000920	0.000000	No
			Mg	0.000000	0.000000	No
			W	-0.001400	0.000000	No
			Cu	-0.001400	0.000000	No
			Fe	0.000202	0.000000	No
			Cr	0.001600	0.000000	No
			Ti	-0.004254	0.000000	No
			Ce	-0.010000	0.000000	No
			Ca	-0.000003	0.000000	No
			Al	-0.000016	0.000000	No
Ca 317.933 {106}	☒	14	Fe	0.000130	0.000000	No
			W	0.003960	0.000000	No
			Tl	0.004945	0.000000	No
			Be	0.001840	0.000000	No
			Ba	0.003500	0.000000	No
			Cu	-0.001800	0.000000	No
			Cd	0.003700	0.000000	No
			Ni	0.001513	0.000000	No
			B	-0.000210	0.000000	No
			Se	0.002000	0.000000	No
			Co	0.000540	0.000000	No
			Cr	0.000640	0.000000	No
			Al	0.000026	0.000000	No
			As	0.002488	0.000000	No
Cd 228.802 {448}	☒	18	As	0.019734	0.000000	No
			Ni	-0.000146	0.000000	No
			Fe	-0.000004	0.000000	No
			V	0.000110	0.000000	No
			Ba	0.000021	0.000000	No
			Co	-0.000414	0.000000	No
			Mn	0.000063	0.000000	No
			Cr	-0.000010	0.000000	No
			Cu	-0.000009	0.000000	No
			Ti	0.000000	0.000000	No
			Mo	0.000030	0.000000	No
			W	0.000130	0.000000	No
			Zn	-0.000020	0.000000	No
			Zr	-0.000031	0.000000	No
			Al	-0.000001	0.000000	No
			Mg	0.000000	0.000000	No
			Ca	0.000011	0.000000	No
			Ce	-0.000570	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ce 404.076 { 83}	☒	7	Fe	0.000330	0.000000	No
			Mn	-0.001360	0.000000	No
			Zr	0.000000	0.000000	No
			Cr	-0.002110	0.000000	No
			Ca	0.000008	0.000000	No
			Al	0.000015	0.000000	No
			Li	-0.002240	0.000000	No
Co 228.616 {448}	☒	9	Cr	0.000122	0.000000	No
			Mo	-0.000090	0.000000	No
			Ni	0.000091	0.000000	No
			Ti	0.001980	0.000000	No
			W	0.000160	0.000000	No
			Cd	0.000012	0.000000	No
			Be	0.000100	0.000000	No
			Fe	0.000005	0.000000	No
			Ca	0.000014	0.000000	No
Cr 267.716 {126}	☒	9	Mn	0.000621	0.000000	No
			Mo	-0.000039	0.000000	No
			Ba	0.000013	0.000000	No
			Cu	0.000020	0.000000	No
			Sr	0.000003	0.000000	No
			Fe	-0.000008	0.000000	No
			W	0.000310	0.000000	No
			Ca	0.000003	0.000000	No
			Ti	0.000030	0.000000	No
Cu 324.754 {104}2	☒	18	Cr	-0.000281	0.000000	No
			V	-0.000058	0.000000	No
			Mo	-0.000090	0.000000	No
			Ti	0.000020	0.000000	No
			Fe	-0.000256	0.000000	No
			Sn	0.000103	0.000000	No
			Zr	-0.000190	0.000000	No
			Si	0.000000	0.000000	No
			Ag	-0.000327	0.000000	No
			Sb	0.000010	0.000000	No
			B	0.000000	0.000000	No
			Mg	0.000002	0.000000	No
			Al	0.000005	0.000000	No
			W	-0.000200	0.000000	No
			Mn	0.000004	0.000000	No
			Co	-0.001416	0.000000	No
			Ca	-0.000006	0.000000	No
			As	0.000088	0.000000	No
Fe 259.940 {130}	☒	12	Cr	0.000184	0.000000	No
			Mn	0.000783	0.000000	No
			V	-0.000064	0.000000	No
			Cu	-0.001048	0.000000	No
			Zn	0.000046	0.000000	No
			Ti	-0.000726	0.000000	No
			Ca	0.000002	0.000000	No
			Ba	0.000924	0.000000	No
			Al	0.000015	0.000000	No
			Co	0.000140	0.000000	No
			Ni	0.001410	0.000000	No
			Li	0.004940	0.000000	No
K 766.490 { 44}	☒	12	Al	0.000047	0.000000	No
			Ca	0.000044	0.000000	No
			Mn	0.001430	0.000000	No
			Si	-0.003000	0.000000	No
			V	-0.002000	0.000000	No
			Sn	-0.004700	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Ba	-0.002700	0.000000	No
			Mo	-0.007210	0.000000	No
			Cu	-0.010000	0.000000	No
			Ni	-0.010000	0.000000	No
			Fe	-0.001110	0.000000	No
			Mg	0.000019	0.000000	No
Li 670.784 { 50}	☒	5	Ca	0.000112	0.000000	No
			W	-0.000010	0.000000	No
			Mo	0.000260	0.000000	No
			V	0.000390	0.000000	No
			S	0.000064	0.000000	No
Mg 279.079 {121}	☒	2	Mo	-0.017699	0.000000	No
			Ti	-0.014200	0.000000	No
Mn 257.610 {131}	☒	9	Fe	0.000007	0.000000	No
			Si	0.000011	0.000000	No
			Ba	0.000012	0.000000	No
			Ni	0.000028	0.000000	No
			Mo	0.000000	0.000000	No
			Cr	-0.000110	0.000000	No
			Mg	0.000004	0.000000	No
			Al	-0.000002	0.000000	No
			Ca	0.000000	0.000000	No
Mo 202.030 {467}	☒	6	Fe	0.000002	0.000000	No
			Mg	0.000000	0.000000	No
			Ca	0.000012	0.000000	No
			As	0.000080	0.000000	No
			Co	0.000500	0.000000	No
			Al	0.000004	0.000000	No
Na 589.592 { 57}	☒	5	K	-0.000560	0.000000	No
			Ba	0.000900	0.000000	No
			Ca	0.000055	0.000000	No
			Al	0.000036	0.000000	No
			V	-0.005000	0.000000	No
Ni 231.604 {446}	☒	11	Fe	0.000035	0.000000	No
			Zn	-0.000021	0.000000	No
			Be	-0.000112	0.000000	No
			Co	0.000555	0.000000	No
			Tl	0.000209	0.000000	No
			Mo	-0.000020	0.000000	No
			V	-0.000032	0.000000	No
			Cu	0.000006	0.000000	No
			Se	0.000286	0.000000	No
			Sn	-0.000026	0.000000	No
			Ca	0.000005	0.000000	No
P 177.495 {490}	☒	3	Cu	-0.028475	0.000000	No
			Al	0.000041	0.000000	No
			W	0.000790	0.000000	No
Pb 220.353 {453}	☒	26	Al	-0.000088	0.000000	No
			Fe	0.000023	0.000000	No
			Ca	0.000015	0.000000	No
			Mn	0.000151	0.000000	No
			Zn	-0.000036	0.000000	No
			Mo	-0.000505	0.000000	No
			Cu	0.001209	0.000000	No
			V	-0.000103	0.000000	No
			Co	-0.000060	0.000000	No
			Ti	-0.000122	0.000000	No
			Si	0.000135	0.000000	No
			Ba	-0.000012	0.000000	No
			Sb	0.000080	0.000000	No
			Sr	0.000070	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			W	-0.001620	0.000000	No
			Cd	-0.000187	0.000000	No
			Cr	-0.000077	0.000000	No
			Zr	-0.000203	0.000000	No
			Ni	0.000156	0.000000	No
			S	0.000003	0.000000	No
			B	0.000000	0.000000	No
			Mg	0.000007	0.000000	No
			Ce	0.000335	0.000000	No
			As	0.000095	0.000000	No
			Sn	-0.000052	0.000000	No
			Bi	-0.000196	0.000000	No
S 182.034 {485}	☒	10	Ca	-0.000032	0.000000	No
			Mo	0.000426	0.000000	No
			Al	0.000001	0.000000	No
			Fe	-0.000013	0.000000	No
			Mn	0.004790	0.000000	No
			Zn	0.000332	0.000000	No
			Cd	-0.000240	0.000000	No
			W	0.000000	0.000000	No
			Mg	0.000027	0.000000	No
			Cr	0.000454	0.000000	No
Sb 206.833 {463}	☒	19	Fe	0.000042	0.000000	No
			Al	-0.000000	0.000000	No
			Ca	0.000034	0.000000	No
			Ni	-0.000221	0.000000	No
			Cr	0.031201	0.000000	No
			V	-0.001219	0.000000	No
			Zn	-0.000084	0.000000	No
			Mo	-0.000241	0.000000	No
			Ti	0.001507	0.000000	No
			Sn	-0.000602	0.000000	No
			Mg	0.000001	0.000000	No
			Zr	-0.000955	0.000000	No
			Sr	0.000020	0.000000	No
			W	0.001470	0.000000	No
			Ce	-0.000564	0.000000	No
			As	-0.000112	0.000000	No
			Na	-0.000004	0.000000	No
			Co	0.000000	0.000000	No
			Mn	-0.000132	0.000000	No
Se 196.090 {472}	☒	25	Al	0.000004	0.000000	No
			Ca	0.000018	0.000000	No
			Mn	0.000470	0.000000	No
			Mo	0.000407	0.000000	No
			Fe	-0.000127	0.000000	No
			Co	-0.000067	0.000000	No
			V	-0.000124	0.000000	No
			Sr	0.000030	0.000000	No
			Si	-0.000025	0.000000	No
			Tl	0.000080	0.000000	No
			Be	-0.000067	0.000000	No
			Zn	-0.000038	0.000000	No
			B	-0.000240	0.000000	No
			Ti	-0.000100	0.000000	No
			Cd	-0.000160	0.000000	No
			Zr	-0.000152	0.000000	No
			Ba	0.000001	0.000000	No
			Mg	-0.000001	0.000000	No
			Cr	-0.000260	0.000000	No
			S	-0.000001	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			W	0.010240	0.000000	No
			Ce	0.000608	0.000000	No
			Ni	0.000005	0.000000	No
			As	0.000020	0.000000	No
			Sn	0.000187	0.000000	No
Si 212.412 {459}	☒	20	Sr	0.000366	0.000000	No
			Ni	-0.000692	0.000000	No
			Mo	0.033199	0.000000	No
			V	0.019440	0.000000	No
			Ti	0.005484	0.000000	No
			Al	-0.000008	0.000000	No
			Cd	0.001043	0.000000	No
			Ba	0.000170	0.000000	No
			Sn	-0.001018	0.000000	No
			Zn	0.000385	0.000000	No
			As	0.000140	0.000000	No
			Pb	0.000471	0.000000	No
			Ca	-0.000004	0.000000	No
			Ce	-0.000423	0.000000	No
			Cr	0.000520	0.000000	No
			Fe	0.000013	0.000000	No
			Mn	-0.000740	0.000000	No
			Co	-0.000420	0.000000	No
			Cu	0.001090	0.000000	No
			W	0.007190	0.000000	No
Sn 189.989 {478}	☒	9	Ti	-0.000061	0.000000	No
			Mo	0.000011	0.000000	No
			Si	-0.000009	0.000000	No
			Fe	0.000005	0.000000	No
			W	0.000000	0.000000	No
			Ca	-0.000002	0.000000	No
			Zr	0.001695	0.000000	No
			Al	0.000000	0.000000	No
			Mg	-0.000002	0.000000	No
Sr 407.771 { 83}	☒	2	Ca	0.000004	0.000000	No
			Mg	0.000002	0.000000	No
Ti 334.904 {101}	☒	3	Cr	0.000061	0.000000	No
			Mo	0.000882	0.000000	No
			Si	0.000035	0.000000	No
Tl 190.856 {477}	☒	28	Cr	0.000210	0.000000	No
			Mo	-0.009866	0.000000	No
			Al	0.000001	0.000000	No
			Fe	-0.000037	0.000000	No
			V	-0.026360	0.000000	No
			Mn	0.001660	0.000000	No
			Si	0.000002	0.000000	No
			Ca	0.000010	0.000000	No
			Ti	-0.000800	0.000000	No
			Mg	0.000001	0.000000	No
			Co	0.005140	0.000000	No
			Sr	-0.000060	0.000000	No
			B	0.000056	0.000000	No
			Ba	-0.000052	0.000000	No
			Zn	-0.000113	0.000000	No
			As	0.000000	0.000000	No
			Ni	-0.000030	0.000000	No
			Pb	0.000035	0.000000	No
			S	0.000006	0.000000	No
			W	-0.020270	0.000000	No
			K	0.000000	0.000000	No
			Sn	-0.000054	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Ag	0.000700	0.000000	No
			Cu	-0.000078	0.000000	No
			P	0.000156	0.000000	No
			Zr	0.000100	0.000000	No
			Ce	-0.000132	0.000000	No
			Na	0.000000	0.000000	No
V 292.402 {115}	☒	8	Ti	0.001326	0.000000	No
			Mo	-0.002120	0.000000	No
			Sr	0.000000	0.000000	No
			Cr	-0.000821	0.000000	No
			Mn	-0.000004	0.000000	No
			Fe	0.000021	0.000000	No
			Al	0.000000	0.000000	No
			Zr	0.000250	0.000000	No
W 207.911 {462}	☒	21	As	-0.000459	0.000000	No
			Mn	0.000290	0.000000	No
			Mo	0.000540	0.000000	No
			Sr	0.000050	0.000000	No
			V	-0.000140	0.000000	No
			Cd	-0.000650	0.000000	No
			Cr	-0.000103	0.000000	No
			Zn	0.012615	0.000000	No
			Sn	-0.000100	0.000000	No
			Zr	0.000003	0.000000	No
			Sb	-0.000200	0.000000	No
			Co	0.000041	0.000000	No
			Ni	0.001377	0.000000	No
			Be	-0.000130	0.000000	No
			Se	-0.000190	0.000000	No
			Cu	-0.000118	0.000000	No
			Ba	-0.000090	0.000000	No
			Tl	-0.000110	0.000000	No
			Ca	-0.000000	0.000000	No
			Fe	0.000032	0.000000	No
			Mg	-0.000010	0.000000	No
Zn 206.200 {464}	☒	17	Mo	0.000385	0.000000	No
			Fe	0.000013	0.000000	No
			Ba	0.000108	0.000000	No
			Sr	-0.000023	0.000000	No
			Sn	0.000069	0.000000	No
			Cu	0.000156	0.000000	No
			As	0.000108	0.000000	No
			Be	0.000071	0.000000	No
			Bi	-0.002000	0.000000	No
			Mn	0.000047	0.000000	No
			W	0.000830	0.000000	No
			Al	0.000000	0.000000	No
			Cr	-0.000179	0.000000	No
			Tl	0.000035	0.000000	No
			V	0.000000	0.000000	No
			Mg	0.000020	0.000000	No
			Ca	-0.000000	0.000000	No
Zr 339.198 { 99}	☒	12	Mo	0.000555	0.000000	No
			Fe	0.000012	0.000000	No
			Si	0.000000	0.000000	No
			Ti	-0.000084	0.000000	No
			V	0.000032	0.000000	No
			W	0.000740	0.000000	No
			Ni	-0.000030	0.000000	No
			Ce	0.000098	0.000000	No
			Sb	0.000080	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Sn	0.000105	0.000000	No
				As	-0.000179	0.000000	No
				Cu	0.000000	0.000000	No
	In 230.606 {446}*	☒	None				
	Y 360.073 { 94}*	☒	None				
	Y 371.030 { 91}*	☒	None				
	Y 224.306 {451}*	☒	None				

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
Ag 328.068 {103}	10/16/2025 9:43:09	10/15/2025 10:10:18	Linear	None	-0.000317	0.140124	0.000000	1.000000
Al 396.152 { 85}	10/16/2025 9:43:09	10/15/2025 10:10:18	Linear	None	0.000925	0.032182	0.000000	1.000000
As 189.042 {478}	10/16/2025 9:43:09	10/15/2025 10:10:18	Linear	None	0.000213	0.111095	0.000000	1.000000
B 208.959 {462}	10/16/2025 9:43:09	10/15/2025 10:10:18	Linear	None	0.000222	0.176367	0.000000	1.000000
Ba 455.403 { 74}	10/16/2025 9:43:09	10/15/2025 10:10:18	Linear	None	0.003062	1.737215	0.000000	1.000000
Be 313.042 {108}	10/16/2025 9:43:09	10/15/2025 10:10:18	Linear	None	0.000639	2.926043	0.000000	1.000000
Bi 223.061 {451}	10/16/2025 9:43:09	10/15/2025 10:10:18	Linear	None	0.000336	0.198373	0.000000	1.000000
Ca 317.933 {106}	10/16/2025 9:43:09	10/15/2025 10:10:18	Linear	None	0.008267	0.101156	0.000000	1.000000
Cd 228.802 {448}	10/16/2025 9:43:09	10/15/2025 10:10:18	Linear	None	0.000252	0.999147	0.000000	1.000000
Ce 404.076 { 83}	10/16/2025 9:43:09	10/15/2025 10:10:18	Linear	1/Conc	-0.000016	0.027579	0.000000	1.000000
Co 228.616 {448}	10/16/2025 9:43:09	10/15/2025 10:10:18	Linear	None	-0.000188	0.626420	0.000000	1.000000
Cr 267.716 {126}	10/16/2025 9:43:09	10/15/2025 10:10:18	Linear	None	-0.000062	0.148553	0.000000	1.000000
Cu 324.754 {104}2	10/16/2025 9:43:09	10/15/2025 10:10:18	Linear	None	0.004154	0.198980	0.000000	1.000000
Fe 259.940 {130}	10/16/2025 9:43:09	10/15/2025 10:10:18	Linear	None	-0.000256	0.060134	0.000000	1.000000
K 766.490 { 44}	10/16/2025 9:43:09	10/15/2025 10:10:18	Linear	None	0.004841	0.014781	0.000000	1.000000
Li 670.784 { 50}	10/16/2025 9:43:09	10/15/2025 10:10:18	Linear	None	0.000211	0.263398	0.000000	1.000000
Mg 279.079 {121}	10/16/2025 9:43:09	10/15/2025 10:10:18	Linear	None	-0.000098	0.011270	0.000000	1.000000
Mn 257.610 {131}	10/16/2025 9:43:09	10/15/2025 10:10:18	Linear	None	-0.000067	0.791818	0.000000	1.000000
Mo 202.030 {467}	10/16/2025 9:43:09	10/15/2025 10:10:18	Linear	None	0.000147	0.729266	0.000000	1.000000
Na 589.592 { 57}	10/16/2025 9:43:09	10/15/2025 10:10:18	Linear	None	-0.001057	0.045443	0.000000	1.000000
Ni 231.604 {446}	10/16/2025 9:43:09	10/15/2025 10:10:18	Linear	None	-0.000258	0.462699	0.000000	1.000000
P 177.495 {490}	10/16/2025 9:43:09	10/15/2025 10:10:18	Linear	None	-0.000099	0.103839	0.000000	1.000000
Pb 220.353 {453}	10/16/2025 9:43:09	10/15/2025 10:10:18	Linear	None	-0.000235	0.217587	0.000000	1.000000
S 182.034 {485}	10/16/2025 9:43:09	10/15/2025 10:10:18	Linear	None	-0.000140	0.053721	0.000000	1.000000
Sb 206.833 {463}	10/16/2025 9:43:09	10/15/2025 10:10:18	Linear	None	-0.000330	0.136466	0.000000	1.000000
Se 196.090 {472}	10/16/2025 9:43:09	10/15/2025 10:10:18	Linear	None	0.000064	0.077964	0.000000	1.000000
Si 212.412 {459}	10/16/2025 9:43:09	10/15/2025 10:10:18	Linear	None	0.002762	0.193969	0.000000	1.000000
Sn 189.989 {478}	10/16/2025 9:43:09	10/15/2025 10:10:18	Linear	None	0.000087	0.175798	0.000000	1.000000
Sr 407.771 { 83}	10/16/2025 9:43:09	10/15/2025 10:10:18	Linear	None	-0.000267	3.470471	0.000000	1.000000
Ti 334.904 {101}	10/16/2025 9:43:09	10/15/2025 10:10:18	Linear	None	-0.000037	0.175955	0.000000	1.000000
Tl 190.856 {477}	10/16/2025 9:43:09	10/15/2025 10:10:18	Linear	None	-0.000051	0.050630	0.000000	1.000000
V 292.402 {115}	10/16/2025 9:43:09	10/15/2025 10:10:18	Linear	None	-0.000075	0.194847	0.000000	1.000000
W 207.911 {462}	10/16/2025 9:43:09	10/15/2025 10:10:18	Linear	None	0.000037	0.393915	0.000000	1.000000
Zn 206.200 {464}	10/16/2025 9:43:09	10/15/2025 10:10:18	Linear	None	0.000096	1.289858	0.000000	1.000000
Zr 339.198 { 99}	10/16/2025 9:43:09	10/15/2025 10:10:18	Linear	None	-0.000305	0.346739	0.000000	1.000000
In 230.606 {446}*	10/16/2025 9:43:09	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 360.073 { 94}*	10/16/2025 9:43:09	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}*	10/16/2025 9:43:09	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 224.306 {451}*	10/16/2025 9:43:09	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000

	Element, Wavelength and Order	Correlation	Std Error of Est	Predicted MDL	Predicted MQL	Status	Reslope		QC Norm	
							Slope	Y-int	Slope factor	Offset
	Ag 328.068 {103}	1.000000	0.000000	0.000360	0.001199	OK.	1.000000	0.000000	1	0
	Al 396.152 { 85}	1.000000	0.000000	0.009328	0.031092	OK.	1.000000	0.000000	1	0
	As 189.042 {478}	1.000000	0.000000	0.000836	0.002785	OK.	1.000000	0.000000	1	0
	B 208.959 {462}	1.000000	0.000000	0.000614	0.002047	OK.	1.000000	0.000000	1	0
	Ba 455.403 { 74}	1.000000	0.000000	0.000193	0.000643	OK.	1.000000	0.000000	1	0
	Be 313.042 {108}	1.000000	0.000000	0.000051	0.000170	OK.	1.000000	0.000000	1	0
	Bi 223.061 {451}	1.000000	0.000000	0.001257	0.004192	OK.	1.000000	0.000000	1	0
	Ca 317.933 {106}	1.000000	0.000000	0.001773	0.005911	OK.	1.000000	0.000000	1	0
	Cd 228.802 {448}	1.000000	0.000000	0.000155	0.000518	OK.	1.000000	0.000000	1	0
	Ce 404.076 { 83}	1.000000	0.000000	0.002827	0.009423	OK.	1.000000	0.000000	1	0
	Co 228.616 {448}	1.000000	0.000000	0.000198	0.000661	OK.	1.000000	0.000000	1	0
	Cr 267.716 {126}	1.000000	0.000000	0.000223	0.000743	OK.	1.000000	0.000000	1	0
	Cu 324.754 {104}2	1.000000	0.000000	0.000361	0.001204	OK.	1.000000	0.000000	1	0
	Fe 259.940 {130}	1.000000	0.000000	0.001527	0.005089	OK.	1.000000	0.000000	1	0
	K 766.490 { 44}	1.000000	0.000000	0.033205	0.110683	OK.	1.000000	0.000000	1	0
	Li 670.784 { 50}	1.000000	0.000000	0.001950	0.006501	OK.	1.000000	0.000000	1	0
	Mg 279.079 {121}	1.000000	0.000000	0.010562	0.035207	OK.	1.000000	0.000000	1	0
	Mn 257.610 {131}	1.000000	0.000000	0.000037	0.000123	OK.	1.000000	0.000000	1	0
	Mo 202.030 {467}	1.000000	0.000000	0.000197	0.000657	OK.	1.000000	0.000000	1	0
	Na 589.592 { 57}	1.000000	0.000000	0.010749	0.035831	OK.	1.000000	0.000000	1	0
	Ni 231.604 {446}	1.000000	0.000000	0.000235	0.000784	OK.	1.000000	0.000000	1	0
	P 177.495 {490}	1.000000	0.000000	0.000788	0.002627	OK.	1.000000	0.000000	1	0
	Pb 220.353 {453}	1.000000	0.000000	0.000735	0.002449	OK.	1.000000	0.000000	1	0
	S 182.034 {485}	1.000000	0.000000	0.001791	0.005970	OK.	1.000000	0.000000	1	0
	Sb 206.833 {463}	1.000000	0.000000	0.001255	0.004184	OK.	1.000000	0.000000	1	0
	Se 196.090 {472}	1.000000	0.000000	0.001629	0.005429	OK.	1.000000	0.000000	1	0
	Si 212.412 {459}	1.000000	0.000000	0.000884	0.002947	OK.	1.000000	0.000000	1	0
	Sn 189.989 {478}	1.000000	0.000000	0.000501	0.001671	OK.	1.000000	0.000000	1	0
	Sr 407.771 { 83}	1.000000	0.000000	0.000078	0.000261	OK.	1.000000	0.000000	1	0
	Ti 334.904 {101}	1.000000	0.000000	0.000260	0.000865	OK.	1.000000	0.000000	1	0
	Tl 190.856 {477}	1.000000	0.000000	0.001031	0.003437	OK.	1.000000	0.000000	1	0
	V 292.402 {115}	1.000000	0.000000	0.000219	0.000730	OK.	1.000000	0.000000	1	0
	W 207.911 {462}	1.000000	0.000000	0.000753	0.002509	OK.	1.000000	0.000000	1	0
	Zn 206.200 {464}	1.000000	0.000000	0.000095	0.000316	OK.	1.000000	0.000000	1	0
	Zr 339.198 { 99}	1.000000	0.000000	0.000158	0.000527	OK.	1.000000	0.000000	1	0
	In 230.606 {446}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
	Y 360.073 { 94}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
	Y 371.030 { 91}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
	Y 224.306 {451}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0

Zoom In ▶ Zoom Out

Sample Name: STDA Acquired: 10/20/2025 7:19:58 Type: Cal
Method: SGS 3 NO Valve(v160) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0002**	**.0002**	**-.0001**	**.0005**	**.0011**	**.0004**	**-.0013**	**.0038**	**.0008**
Stddev	.0001	.0002	.0001	.0001	.0005	.0002	.0001	.0001	.0001
%RSD	41.75	80.28	100.7	25.61	40.90	44.59	8.280	3.177	15.24
#1	-.0001	.0001	-.0001	.0006	.0010	.0002	-.0014	.0037	.0009
#2	-.0002	.0005	-.0001	.0005	.0008	.0005	-.0015	.0040	.0007
#3	-.0002	.0002	.0000	.0004	.0017	.0006	-.0012	.0037	.0007

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0002**	**-.0002**	**-.0000**	**.0095**	**.0000**	**.0006**	**.0011**	**-.0002**	**.0001**
Stddev	.0001	.0000	.0000	.0001	.0001	.0001	.0003	.0001	.0000
%RSD	30.35	9.777	680.7	.6676	5819.	22.23	24.46	90.43	22.92
#1	-.0001	-.0002	-.0000	.0094	.0001	.0006	.0013	.0000	.0001
#2	-.0003	-.0002	.0000	.0095	-.0000	.0005	.0013	-.0002	.0001
#3	-.0002	-.0003	-.0000	.0096	-.0000	.0008	.0008	-.0003	.0001

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0009**	**.0028**	**.0003**	**-.0014**	**.0000**	**.0003**	**.0005**	**.0001**	**.0048**
Stddev	.0002	.0003	.0000	.0001	.0001	.0001	.0003	.0002	.0002
%RSD	21.65	9.489	8.882	6.423	682.7	43.30	68.18	456.4	3.506
#1	.0011	.0031	.0004	-.0014	.0000	.0004	.0008	.0003	.0049
#2	.0008	.0026	.0003	-.0015	-.0001	.0003	.0003	-.0002	.0046
#3	.0007	.0027	.0003	-.0013	.0001	.0002	.0002	.0001	.0049

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0003**	**.0006**	**-.0000**	**-.0002**	**.0000**	**.0009**	**.0019**	**-.0005**
Stddev	.0000	.0002	.0000	.0001	.0000	.0003	.0002	.0000
%RSD	11.86	34.64	757.7	26.08	231.1	36.50	11.14	9.008
#1	.0003	.0008	-.0000	-.0002	.0000	.0012	.0021	-.0006
#2	.0003	.0005	-.0000	-.0003	.0000	.0010	.0018	-.0005
#3	.0004	.0004	.0000	-.0002	-.0000	.0005	.0017	-.0005

◀ Zoom In ▶ Zoom Out

Sample Name: STDA Acquired: 10/20/2025 7:19:58 Type: Cal
Method: SGS 3 NO Valve(v160) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6126.6**	**99934.**	**16913.**	**3100.1**
Stddev	14.1	526.	121.	9.0
%RSD	.22946	.52610	.71684	.28992
#1	6122.5	100500.	16806.	3095.0
#2	6142.3	99457.	16888.	3110.5
#3	6115.1	99846.	17045.	3094.9

◀ Zoom In ▶ Zoom Out

Sample Name: MP58070-B1 Acquired: 10/20/2025 9:37:03 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2407**	**23.19**	**1.757**	**1.965**	**1.802**	**1.928**	**-.0079**	**24.23**
Stddev	.0002	.01	.006	.010	.004	.004	.0007	.08
%RSD	.1016	.0413	.3289	.5123	.2172	.2324	9.273	.3440
#1	.2407	23.19	1.764	1.976	1.806	1.930	-.0081	24.22
#2	.2405	23.20	1.752	1.960	1.798	1.932	-.0084	24.31
#3	.2410	23.18	1.755	1.958	1.802	1.923	-.0070	24.15

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.868**	**.0098**	**1.905**	**1.886**	**1.779**	**23.50**	**22.87**	**.0008**
Stddev	.006	.0022	.003	.002	.005	.04	.04	.0009
%RSD	.3166	22.75	.1704	.1297	.2766	.1571	.1823	118.7
#1	1.875	.0072	1.907	1.885	1.785	23.52	22.91	-.0000
#2	1.865	.0109	1.901	1.884	1.776	23.53	22.86	.0006
#3	1.864	.0112	1.906	1.889	1.777	23.46	22.83	.0018

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.33**	**1.934**	**1.874**	**23.23**	**1.903**	**.0165**	**1.882**	**-.0084**
Stddev	.15	.006	.005	.01	.005	.0019	.005	.0011
%RSD	.6515	.3031	.2735	.0392	.2520	11.47	.2619	13.40
#1	23.37	1.941	1.879	23.24	1.904	.0143	1.884	-.0085
#2	23.46	1.930	1.869	23.24	1.897	.0179	1.877	-.0072
#3	23.16	1.931	1.872	23.22	1.907	.0172	1.886	-.0095

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.815**	**1.770**	**2.008**	**1.895**	**1.900**	**1.855**	W **1.847**	**1.853**
Stddev	.009	.007	.008	.000	.002	.002	.002	.001
%RSD	.5011	.3784	.3814	.0159	.1060	.1268	.0971	.0508
#1	1.826	1.778	2.016	1.895	1.902	1.852	1.846	1.854
#2	1.810	1.765	2.006	1.895	1.900	1.856	1.846	1.852
#3	1.810	1.768	2.001	1.895	1.899	1.857	1.849	1.854

◀ Zoom In ▶ Zoom Out

Sample Name: MP58070-B1 Acquired: 10/20/2025 9:37:03 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**1.554**	**1.905**	**1.880**
Stddev	.004	.004	.005
%RSD	.2807	.2060	.2871
#1	1.550	1.902	1.886
#2	1.554	1.903	1.877
#3	1.558	1.909	1.877

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6177.3**	**99842.**	**16745.**	**3088.3**
Stddev	11.8	163.	114.	3.7
%RSD	.19100	.16318	.67915	.11956
#1	6190.7	99654.	16786.	3088.9
#2	6172.9	99944.	16616.	3084.4
#3	6168.3	99928.	16832.	3091.7

Zoom In Zoom Out

Sample Name: STDB Acquired: 10/20/2025 7:25:00 Type: Cal
Method: SGS 3 NO Valve(v160) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0742**	**3.854**	**.2510**	**1.069**	**8.876**	**11.47**	**.9933**	**7.158**	**4.373**
Stddev	.0002	.008	.0009	.002	.098	.02	.0025	.028	.011
%RSD	.3346	.2080	.3735	.2077	1.107	.1904	.2538	.3957	.2477
#1	.0739	3.863	.2515	1.069	8.982	11.49	.9954	7.190	4.377
#2	.0743	3.847	.2500	1.066	8.859	11.46	.9905	7.147	4.360
#3	.0744	3.852	.2517	1.071	8.787	11.45	.9939	7.136	4.381

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.1922**	**1.717**	**.4996**	**1.323**	**3.486**	**1.375**	**1.610**	**.5580**	**2.945**
Stddev	.0002	.002	.0018	.006	.012	.003	.002	.0031	.045
%RSD	.1024	.1329	.3661	.4510	.3329	.1799	.0937	.5519	1.527
#1	.1922	1.718	.4984	1.325	3.498	1.377	1.608	.5614	2.952
#2	.1925	1.715	.4987	1.328	3.483	1.376	1.610	.5569	2.897
#3	.1921	1.719	.5017	1.317	3.476	1.373	1.611	.5555	2.986

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2.634**	**6.039**	**1.466**	**.3536**	**.6995**	**.2113**	**.6954**	**.3156**	**2.282**
Stddev	.008	.007	.002	.0011	.0016	.0002	.0019	.0004	.005
%RSD	.2947	.1185	.1297	.3041	.2335	.0874	.2761	.1281	.2371
#1	2.638	6.048	1.466	.3535	.7000	.2111	.6957	.3152	2.283
#2	2.625	6.035	1.464	.3526	.6977	.2112	.6934	.3154	2.276
#3	2.638	6.036	1.467	.3547	.7009	.2115	.6972	.3160	2.287

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.4780**	**18.20**	**.5849**	**.1431**	**.8664**	**1.449**	**3.605**	**1.955**
Stddev	.0011	.49	.0008	.0004	.0008	.003	.010	.002
%RSD	.2229	2.672	.1311	.2820	.0956	.2309	.2649	.0815
#1	.4786	18.27	.5841	.1433	.8661	1.449	3.610	1.955
#2	.4767	17.68	.5852	.1427	.8657	1.446	3.594	1.956
#3	.4786	18.64	.5856	.1434	.8673	1.452	3.611	1.953

Zoom In Zoom Out

Sample Name: STDB Acquired: 10/20/2025 7:25:00 Type: Cal
Method: SGS 3 NO Valve(v160) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6126.4**	**99958.**	**16687.**	**3023.4**
Stddev	12.3	205.	149.	8.0
%RSD	.20057	.20490	.89428	.26443
#1	6134.1	100140.	16515.	3026.9
#2	6132.8	99992.	16787.	3029.2
#3	6112.2	99739.	16758.	3014.3

Zoom In Zoom Out

Sample Name: ICV Acquired: 10/20/2025 7:30:03 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.2627**	**39.70**	**1.989**	**2.032**	**2.013**	**2.054**	**1.965**	**39.97**	**2.062**
Stddev	.0005	.05	.004	.005	.004	.004	.009	.14	.005
%RSD	.1943	.1139	.2255	.2270	.1890	.1846	.4756	.3565	.2471
#1	.2630	39.65	1.987	2.032	2.014	2.053	1.971	39.81	2.060
#2	.2630	39.71	1.986	2.028	2.009	2.051	1.954	40.05	2.058
#3	.2621	39.74	1.994	2.037	2.017	2.059	1.970	40.06	2.068
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.2500								
Range	5.000%								

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.039**	**2.057**	**2.053**	**1.957**	**39.71**	**38.87**	F **2.121**	**40.36**	**2.095**
Stddev	.006	.002	.004	.004	.05	.04	.008	.26	.006
%RSD	.2967	.0952	.2076	.2049	.1314	.0941	.3903	.6324	.2969
#1	2.040	2.055	2.058	1.953	39.67	38.88	2.123	40.08	2.102
#2	2.044	2.056	2.052	1.961	39.76	38.89	2.111	40.40	2.094
#3	2.032	2.059	2.049	1.957	39.68	38.82	2.128	40.59	2.090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value							2.000		
Range							5.000%		

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.024**	**39.60**	**2.070**	**2.044**	**2.065**	**2.030**	**2.026**	**2.058**	**5.040**
Stddev	.006	.01	.004	.006	.004	.006	.003	.004	.011
%RSD	.2807	.0246	.2142	.3103	.1988	.2757	.1667	.2008	.2253
#1	2.022	39.61	2.068	2.040	2.065	2.036	2.028	2.059	5.043
#2	2.019	39.59	2.067	2.040	2.061	2.025	2.023	2.054	5.028
#3	2.030	39.59	2.075	2.051	2.069	2.031	2.029	2.062	5.050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ICV Acquired: 10/20/2025 7:30:03 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.042**	**2.030**	**2.014**	**2.035**	**2.029**	**2.025**	**2.074**	**2.046**
Stddev	.005	.003	.003	.007	.004	.007	.012	.004
%RSD	.2301	.1416	.1381	.3264	.2176	.3393	.5662	.1924
#1	2.037	2.032	2.017	2.027	2.033	2.023	2.061	2.049
#2	2.040	2.027	2.012	2.039	2.029	2.019	2.075	2.048
#3	2.047	2.032	2.012	2.038	2.025	2.032	2.085	2.042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6127.0**	**98710.**	**16702.**	**3050.4**
Stddev	7.1	275.	202.	6.7
%RSD	.11623	.27906	1.2117	.22056
#1	6131.4	98392.	16935.	3054.2
#2	6130.7	98866.	16572.	3054.4
#3	6118.7	98873.	16600.	3042.6

Zoom In Zoom Out

Sample Name: ICB Acquired: 10/20/2025 7:36:38 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**-.0017**	**.0004**	**.0027**	**-.0001**	**.0001**	**-.0012**	**.0006**	**-.0001**
Stddev	.0006	.0004	.0020	.0001	.0001	.0001	.0012	.0008	.0001
%RSD	288.6	23.27	570.0	3.800	155.8	71.62	104.9	123.4	51.87
#1	-.0005	-.0013	-.0017	.0027	-.0002	.0001	-.0000	.0015	-.0000
#2	-.0005	-.0021	.0004	.0028	.0000	.0000	-.0024	-.0001	-.0001
#3	.0005	-.0017	.0024	.0026	-.0001	.0001	-.0010	.0005	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0015**	**.0001**	**.0000**	**-.0002**	**.0006**	**.0210**	**-.0012**	**-.0080**	**-.0000**
Stddev	.0016	.0002	.0005	.0002	.0001	.0527	.0008	.0179	.0000
%RSD	105.9	148.3	1058.	67.36	20.51	250.8	70.70	225.4	139.3
#1	.0008	-.0001	.0000	-.0001	.0007	-.0396	-.0019	-.0286	-.0000
#2	.0004	.0002	-.0004	-.0003	.0005	.0463	-.0002	.0013	.0000
#3	.0034	.0002	.0005	-.0004	.0005	.0564	-.0015	.0035	-.0001
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**-.0003**	**.0000**	**.0006**	**.0007**	**.0028**	**-.0005**	**-.0022**	**-.0017**
Stddev	.0003	.0050	.0002	.0015	.0007	.0025	.0013	.0021	.0010
%RSD	483.9	1498.	381.5	261.6	101.9	87.83	241.7	93.94	57.12
#1	-.0003	.0005	-.0001	-.0010	.0005	.0006	-.0009	.0001	-.0027
#2	.0002	-.0057	.0002	.0007	.0001	.0055	.0009	-.0029	-.0007
#3	-.0001	.0042	-.0000	.0020	.0014	.0024	-.0016	-.0039	-.0019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ICB Acquired: 10/20/2025 7:36:38 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0004**	**.0001**	**-.0001**	**-.0005**	**-.0001**	**-.0010**	**-.0001**	**.0001**
Stddev	.0015	.0000	.0001	.0015	.0002	.0001	.0001	.0000
%RSD	349.7	72.47	68.94	312.0	220.6	7.904	130.0	32.33
#1	-.0014	.0001	-.0000	-.0022	-.0001	-.0010	-.0002	.0001
#2	.0013	.0001	-.0001	.0002	-.0002	-.0010	.0000	.0001
#3	-.0011	.0000	-.0002	.0005	.0001	-.0009	-.0001	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6183.4**	**100210.**	**16775.**	**3129.0**
Stddev	2.4	580.	11.	4.2
%RSD	.03861	.57894	.06788	.13375
#1	6184.0	100160.	16783.	3128.5
#2	6185.5	100810.	16762.	3133.4
#3	6180.8	99653.	16780.	3125.0

Zoom In Zoom Out

Sample Name: JE21268-4 Acquired: 10/20/2025 17:45:44 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: RUSH 10/21

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0025**	**.0462**	**.0017**	**.2743**	**1.610**	**-.0002**	**.0006**	F **562.8**
Stddev	.0004	.0036	.0014	.0013	.005	.0000	.0002	11.3
%RSD	15.49	7.862	82.39	.4805	.2952	11.18	33.39	2.008
#1	.0021	.0432	.0001	.2728	1.615	-.0002	.0008	551.1
#2	.0025	.0451	.0027	.2749	1.606	-.0002	.0005	573.7
#3	.0029	.0502	.0023	.2752	1.609	-.0002	.0004	563.7

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.0028**	**.0096**	**.0027**	**-.0001**	**.0046**	**.2207**	**1.350**	**.0035**
Stddev	.0001	.0004	.0002	.0003	.0002	.0012	.042	.0006
%RSD	1.904	4.453	6.361	336.7	4.004	.5458	3.095	18.20
#1	-.0027	.0096	.0029	.0002	.0048	.2206	1.368	.0032
#2	-.0028	.0100	.0025	-.0002	.0044	.2195	1.380	.0031
#3	-.0028	.0092	.0028	-.0003	.0046	.2219	1.302	.0043

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.341**	F **21.70**	**.0001**	F **1402.**	**.0171**	**-.0091**	**.0036**	**.5643**
Stddev	.012	.10	.0003	31.	.0002	.0021	.0010	.0039
%RSD	.1895	.4562	216.5	2.245	1.099	23.07	28.79	.6993
#1	6.332	21.66	.0004	1367.	.0170	-.0112	.0041	.5604
#2	6.354	21.63	-.0001	1427.	.0169	-.0070	.0042	.5643
#3	6.336	21.82	.0001	1412.	.0173	-.0089	.0024	.5683

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0041**	**.0033**	F **27.39**	**-.0016**	**.6323**	**-.0023**	**-.0055**	**.0031**
Stddev	.0005	.0013	.12	.0005	.0008	.0001	.0017	.0002
%RSD	12.32	40.55	.4284	29.10	.1265	5.403	31.28	6.585
#1	-.0039	.0027	27.25	-.0018	.6332	-.0022	-.0053	.0033
#2	-.0046	.0024	27.46	-.0018	.6319	-.0023	-.0038	.0029
#3	-.0037	.0048	27.45	-.0010	.6317	-.0024	-.0072	.0031

Zoom In Zoom Out

Sample Name: JE21268-4 Acquired: 10/20/2025 17:45:44 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: RUSH 10/21

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.0038**	**.0109**	**-.0009**
Stddev	.0007	.0005	.0000
%RSD	17.48	4.262	3.779
#1	-.0045	.0113	-.0009
#2	-.0038	.0104	-.0010
#3	-.0032	.0109	-.0009

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5591.1**	**103040.**	**17023.**	**2900.7**
Stddev	10.7	265.	155.	8.3
%RSD	.19197	.25756	.91131	.28750
#1	5602.3	103030.	17197.	2909.6
#2	5590.3	103310.	16972.	2899.5
#3	5580.9	102780.	16899.	2893.0

Zoom In Zoom Out

Sample Name: ICCV Acquired: 10/20/2025 7:43:34 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2480**	**39.61**	**2.034**	**1.981**	**1.999**	**2.037**	**1.964**	**40.27**	**2.031**
Stddev	.0010	.08	.007	.010	.004	.007	.010	.22	.006
%RSD	.3941	.2078	.3560	.4880	.1898	.3328	.5124	.5550	.3143
#1	.2489	39.68	2.030	1.974	1.994	2.046	1.960	40.58	2.025
#2	.2477	39.51	2.029	1.976	1.998	2.031	1.954	40.07	2.030
#3	.2468	39.67	2.034	1.980	2.004	2.036	1.965	40.28	2.031
#4	.2486	39.58	2.045	1.995	1.999	2.033	1.977	40.15	2.040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.015**	**2.025**	**2.032**	**1.944**	**40.14**	**39.13**	**2.022**	**40.39**	**2.076**
Stddev	.004	.002	.002	.007	.11	.09	.003	.34	.007
%RSD	.2038	.1151	.1072	.3516	.2860	.2319	.1578	.8296	.3212
#1	2.021	2.027	2.033	1.952	40.26	39.13	2.019	40.84	2.080
#2	2.013	2.024	2.030	1.944	39.98	39.02	2.024	40.13	2.076
#3	2.012	2.027	2.034	1.936	40.14	39.24	2.026	40.45	2.081
#4	2.013	2.022	2.030	1.944	40.16	39.15	2.021	40.14	2.066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ICCV Acquired: 10/20/2025 7:43:34 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.020**	**39.61**	**2.040**	**2.008**	**2.035**	**1.996**	**1.993**	**1.998**	**4.971**
Stddev	.005	.09	.001	.007	.003	.008	.007	.009	.024
%RSD	.2547	.2361	.0608	.3588	.1472	.4050	.3621	.4412	.4794
#1	2.016	39.54	2.041	1.997	2.036	1.984	1.987	1.991	4.954
#2	2.018	39.52	2.039	2.014	2.034	1.997	1.990	1.993	4.958
#3	2.017	39.72	2.040	2.010	2.039	2.000	1.992	1.996	4.966
#4	2.027	39.65	2.038	2.011	2.032	2.002	2.004	2.011	5.006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.026**	**2.019**	**2.017**	**2.023**	**2.017**	**2.016**	**2.058**	**2.021**
Stddev	.003	.002	.002	.003	.002	.008	.007	.004
%RSD	.1512	.0787	.0973	.1231	.0835	.3852	.3236	.2185
#1	2.024	2.021	2.020	2.022	2.019	2.017	2.061	2.025
#2	2.023	2.019	2.017	2.021	2.015	2.013	2.065	2.021
#3	2.029	2.020	2.016	2.024	2.017	2.008	2.056	2.023
#4	2.028	2.017	2.015	2.027	2.015	2.027	2.049	2.015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Zoom In Zoom Out

Sample Name: ICCV Acquired: 10/20/2025 7:43:34 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6190.4**	**99628.**	**16670.**	**3083.4**
Stddev	6.7	226.	189.	9.9
%RSD	.10781	.22646	1.1313	.32166
#1	6197.6	99588.	16424.	3091.5
#2	6190.9	99640.	16825.	3084.9
#3	6191.5	99368.	16622.	3088.1
#4	6181.4	99917.	16810.	3069.1

Zoom In Zoom Out

Sample Name: CCB 7 Acquired: 10/20/2025 7:48:47 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0083**	**-.0009**	**.0033**	**.0003**	**.0002**	**-.0015**	**.0021**	**-.0003**
Stddev	.0001	.0077	.0006	.0010	.0001	.0001	.0006	.0015	.0000
%RSD	37.31	92.26	67.88	29.59	35.34	32.97	41.84	71.84	9.998
#1	-.0002	.0122	-.0008	.0034	.0004	.0003	-.0017	.0004	-.0002
#2	-.0002	-.0005	-.0003	.0022	.0002	.0002	-.0008	.0028	-.0003
#3	-.0001	.0132	-.0015	.0041	.0003	.0002	-.0020	.0032	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0045**	**-.0001**	**-.0001**	**-.0001**	**.0032**	**.0463**	**-.0026**	**-.0048**	**.0001**
Stddev	.0006	.0001	.0003	.0003	.0013	.0569	.0020	.0119	.0000
%RSD	13.68	192.6	220.4	514.6	40.61	122.8	79.36	249.8	22.06
#1	.0039	-.0001	.0002	.0002	.0047	.1094	-.0013	.0026	.0001
#2	.0044	-.0002	-.0004	-.0001	.0026	.0304	-.0049	-.0185	.0002
#3	.0051	.0001	-.0002	-.0003	.0024	-.0009	-.0015	.0016	.0001
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0003**	**.0032**	**-.0003**	**.0016**	**.0011**	**.0009**	**-.0002**	**-.0024**	**-.0005**
Stddev	.0002	.0056	.0005	.0003	.0006	.0031	.0009	.0037	.0018
%RSD	84.54	174.5	164.5	17.64	55.41	338.1	498.4	155.6	365.6
#1	-.0001	.0095	-.0008	.0013	.0014	.0002	.0001	.0012	-.0018
#2	-.0006	-.0013	.0000	.0015	.0016	-.0018	.0005	-.0021	.0015
#3	-.0002	.0014	-.0000	.0018	.0004	.0043	-.0011	-.0062	-.0012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: CCB 7 Acquired: 10/20/2025 7:48:47 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0002**	**.0000**	**.0008**	**.0003**	**.0007**	**-.0002**	**.0001**
Stddev	.0006	.0000	.0002	.0010	.0003	.0013	.0002	.0001
%RSD	818.9	12.79	1056.	124.2	104.9	198.4	90.66	67.27
#1	.0001	.0003	.0002	.0005	.0005	.0020	-.0000	.0002
#2	-.0007	.0002	-.0002	.0019	.0003	-.0007	-.0002	.0000
#3	.0004	.0003	.0000	-.0000	-.0000	.0007	-.0004	.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6162.8**	**100020.**	**16771.**	**3114.4**
Stddev	22.3	146.	142.	15.5
%RSD	.36249	.14596	.84469	.49766
#1	6188.1	100190.	16632.	3131.4
#2	6154.7	99953.	16916.	3110.9
#3	6145.6	99916.	16765.	3101.0

Zoom In Zoom Out

Sample Name: CRI Acquired: 10/20/2025 7:53:15 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0047**	**.2153**	**.0087**	**.1022**	**.2064**	**.0024**	**.0218**	**5.304**	**.0030**
Stddev	.0002	.0083	.0019	.0004	.0005	.0001	.0009	.021	.0000
%RSD	3.696	3.864	21.55	.3975	.2428	5.652	4.353	.4006	1.353
#1	.0049	.2154	.0089	.1019	.2059	.0025	.0227	5.302	.0030
#2	.0046	.2235	.0067	.1019	.2064	.0024	.0219	5.326	.0030
#3	.0046	.2069	.0104	.1026	.2070	.0023	.0208	5.284	.0030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0018**	**.0531**	**.0108**	**.0099**	**.1094**	**4.994**	**.0533**	**5.291**	**.0164**
Stddev	.0021	.0003	.0001	.0000	.0021	.024	.0022	.027	.0000
%RSD	118.2	.5765	1.270	.4668	1.903	.4713	4.153	.5132	.0725
#1	.0023	.0528	.0109	.0100	.1113	5.013	.0526	5.287	.0164
#2	.0037	.0531	.0106	.0099	.1097	4.968	.0558	5.319	.0164
#3	-.0005	.0534	.0108	.0099	.1072	5.002	.0515	5.265	.0164
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0206**	**5.051**	**.0108**	**.0535**	**.0033**	**.0555**	**.0053**	**.0096**	**.2068**
Stddev	.0003	.014	.0003	.0012	.0012	.0019	.0017	.0015	.0005
%RSD	1.692	.2742	3.088	2.312	36.31	3.437	31.41	15.57	.2435
#1	.0203	5.038	.0109	.0521	.0042	.0568	.0035	.0081	.2063
#2	.0205	5.049	.0110	.0540	.0036	.0533	.0067	.0096	.2073
#3	.0210	5.065	.0104	.0544	.0019	.0563	.0057	.0111	.2068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: CRI Acquired: 10/20/2025 7:53:15 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0092**	**.0108**	**.0099**	**.0110**	**.0523**	**.0510**	**.0219**	**.0106**
Stddev	.0005	.0001	.0003	.0008	.0004	.0003	.0002	.0001
%RSD	5.373	.5460	3.080	7.062	.7019	.5064	.7679	.5269
#1	.0098	.0108	.0101	.0104	.0527	.0509	.0217	.0107
#2	.0088	.0107	.0096	.0119	.0524	.0512	.0221	.0106
#3	.0092	.0108	.0101	.0107	.0519	.0507	.0220	.0106
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6187.1**	**99141.**	**16572.**	**3119.3**
Stddev	17.9	298.	79.	9.4
%RSD	.28998	.30062	.47447	.29983
#1	6169.2	99222.	16617.	3109.4
#2	6205.1	98811.	16481.	3128.0
#3	6187.0	99391.	16618.	3120.4

Zoom In Zoom Out

Sample Name: CRID Acquired: 10/20/2025 7:58:08 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.0003**	**.0946**	**.0028**	**.0021**	**.0036**	**.0011**	**-.0015**	**1.050**
Stddev	.0003	.0046	.0023	.0006	.0001	.0000	.0008	.003
%RSD	90.93	4.862	81.53	29.04	3.702	2.946	53.33	.3265
#1	-.0002	.0991	.0050	.0017	.0036	.0010	-.0024	1.048
#2	-.0000	.0948	.0004	.0028	.0035	.0011	-.0012	1.054
#3	-.0006	.0899	.0030	.0018	.0037	.0011	-.0009	1.047
Check ?	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass
Value	.0020							
Range	-20.00%							

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0010**	**.0023**	**.0033**	**.0024**	F **.0002**	**.0004**	**2.008**	**-.0009**
Stddev	.0001	.0015	.0001	.0003	.0002	.0001	.026	.0004
%RSD	10.57	67.00	2.335	12.10	94.76	26.25	1.292	42.25
#1	.0009	.0033	.0033	.0022	.0002	.0002	2.030	-.0005
#2	.0010	.0029	.0032	.0027	.0003	.0004	2.014	-.0010
#3	.0011	.0005	.0034	.0022	-.0000	.0004	1.979	-.0012
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	None
Value					.0020			
Range					-20.00%			

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0972**	**.0031**	**-.0003**	**1.007**	**.0043**	**.0010**	F **.0005**	**.0010**
Stddev	.0115	.0000	.0001	.007	.0003	.0007	.0010	.0049
%RSD	11.87	.3113	32.97	.6550	6.579	71.70	217.5	505.9
#1	.1061	.0031	-.0003	1.014	.0046	.0002	-.0001	.0051
#2	.1013	.0031	-.0004	1.001	.0041	.0016	.0016	-.0045
#3	.0842	.0031	-.0002	1.006	.0041	.0011	-.0002	.0023
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Fail	None
Value							.0025	
Range							-20.00%	

Zoom In Zoom Out

Sample Name: CRID Acquired: 10/20/2025 7:58:08 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.0003	.0040	-.0048	-.0009	-.0000	-.0003	F .0013	.0019
Stddev	.0009	.0015	.0008	.0011	.0001	.0003	.0010	.0001
%RSD	298.8	38.31	17.26	126.8	448.3	102.8	72.94	4.446
#1	.0001	.0025	-.0044	-.0006	-.0001	-.0005	.0023	.0020
#2	-.0014	.0041	-.0057	.0001	-.0000	-.0004	.0003	.0018
#3	.0003	.0055	-.0042	-.0021	.0000	.0000	.0014	.0019
Check ?	Chk Fail	Chk Pass	None	None	None	None	Chk Fail	Chk Pass
Value	.0030						.0020	
Range	-20.00%						-20.00%	

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	-.0005	.0097	-.0000
Stddev	.0010	.0002	.0001
%RSD	186.1	1.715	282.4
#1	-.0016	.0095	-.0002
#2	-.0002	.0098	.0000
#3	.0002	.0098	.0000
Check ?	None	Chk Pass	None
Value			
Range			

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6163.9	100630.	16885.	3120.6
Stddev	22.0	214.	233.	11.6
%RSD	.35710	.21234	1.3800	.37057
#1	6185.5	100700.	16798.	3132.3
#2	6141.5	100390.	16709.	3109.2
#3	6164.7	100810.	17149.	3120.3

Zoom In Zoom Out

Sample Name: ICSA Acquired: 10/20/2025 8:03:02 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008	496.5	-.0018	.0001	.0019	-.0005	-.0075	373.4	-.0017
Stddev	.0003	13.0	.0021	.0013	.0000	.0000	.0009	.9	.0003
%RSD	39.77	2.621	119.1	909.6	1.645	4.183	11.81	.2354	17.67
#1	.0008	498.0	-.0033	.0016	.0019	-.0005	-.0078	372.5	-.0020
#2	.0011	482.8	.0006	-.0006	.0019	-.0005	-.0065	373.5	-.0016
#3	.0005	508.7	-.0026	-.0005	.0019	-.0005	-.0082	374.3	-.0014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0261	.0007	.0002	-.0000	184.5	-.1133	-.0036	495.1	-.0060
Stddev	.0011	.0005	.0001	.0001	.3	.0137	.0007	3.2	.0000
%RSD	4.210	69.87	70.60	263.6	.1811	12.11	19.52	.6549	.6752
#1	.0269	.0013	.0002	-.0000	184.2	-.1105	-.0033	491.7	-.0060
#2	.0248	.0005	.0000	.0001	184.9	-.1012	-.0044	498.2	-.0061
#3	.0264	.0003	.0003	-.0001	184.5	-.1282	-.0031	495.4	-.0060
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0016	.0396	-.0014	-.0205	.0024	-.0287	-.0019	-.0011	-.0094
Stddev	.0005	.0071	.0002	.0040	.0025	.0036	.0042	.0052	.0007
%RSD	31.47	17.89	16.79	19.54	106.4	12.72	225.2	452.9	7.223
#1	.0017	.0371	-.0013	-.0194	.0029	-.0245	-.0059	-.0052	-.0099
#2	.0011	.0340	-.0017	-.0171	-.0004	-.0311	.0024	-.0029	-.0087
#3	.0021	.0475	-.0012	-.0249	.0046	-.0304	-.0020	.0047	-.0097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ICSA Acquired: 10/20/2025 8:03:02 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0026	.0010	-.0018	.0025	.0008	-.0012	.0024	.0027
Stddev	.0004	.0000	.0004	.0009	.0002	.0008	.0004	.0002
%RSD	15.00	.2643	21.82	38.36	26.66	69.03	16.45	6.834
#1	-.0027	.0010	-.0013	.0031	.0006	-.0005	.0029	.0029
#2	-.0030	.0010	-.0019	.0014	.0008	-.0010	.0021	.0025
#3	-.0022	.0010	-.0021	.0028	.0010	-.0021	.0024	.0027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5888.8	97398.	16858.	2944.1
Stddev	6.2	158.	106.	.7
%RSD	.10505	.16259	.62881	.02444
#1	5888.7	97525.	16976.	2944.9
#2	5882.7	97448.	16830.	2943.7
#3	5895.0	97220.	16769.	2943.7

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 10/20/2025 8:08:08 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.130	504.0	.9892	.5325	.4901	.5028	.5211	388.0	1.104
Stddev	.002	3.4	.0039	.0039	.0027	.0027	.0024	4.5	.003
%RSD	.1358	.6704	.3923	.7322	.5501	.5416	.4625	1.149	.2476
#1	1.129	506.7	.9900	.5315	.4930	.5057	.5217	390.4	1.102
#2	1.132	505.2	.9850	.5292	.4877	.5003	.5184	382.9	1.104
#3	1.129	500.2	.9927	.5368	.4895	.5025	.5230	390.8	1.107
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5402	.5300	.4813	.5432	190.0	-.1261	.5511	505.3	.5118
Stddev	.0019	.0017	.0008	.0009	.1	.0180	.0027	2.4	.0013
%RSD	.3604	.3285	.1581	.1615	.0455	14.24	.4979	.4676	.2598
#1	.5411	.5295	.4805	.5426	190.1	-.1426	.5542	506.8	.5104
#2	.5380	.5286	.4820	.5442	190.0	-.1289	.5490	502.5	.5131
#3	.5416	.5320	.4815	.5429	189.9	-.1070	.5501	506.4	.5117
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5164	.0523	1.036	.5238	1.011	.5025	1.057	1.032	.4378
Stddev	.0019	.0021	.004	.0023	.007	.0015	.005	.001	.0048
%RSD	.3637	3.984	.3623	.4450	.6593	.2916	.5166	.1302	1.091
#1	.5149	.0501	1.034	.5251	1.010	.5042	1.054	1.030	.4376
#2	.5158	.0525	1.033	.5252	1.005	.5013	1.054	1.032	.4331
#3	.5185	.0543	1.040	.5211	1.018	.5022	1.063	1.033	.4426
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 10/20/2025 8:08:08 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4983**	**.5007**	**.4991**	**1.006**	**.5068**	**.5059**	**.9844**	**.4823**
Stddev	.0028	.0034	.0015	.002	.0018	.0021	.0019	.0015
%RSD	.5583	.6805	.3042	.1664	.3502	.4171	.1979	.3033
#1	.4951	.5046	.4973	1.006	.5050	.5051	.9824	.4806
#2	.5002	.4983	.5002	1.004	.5085	.5043	.9863	.4834
#3	.4997	.4993	.4997	1.007	.5069	.5083	.9844	.4829
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5871.2**	**98115.**	**16843.**	**2926.0**
Stddev	16.9	209.	83.	2.9
%RSD	.28754	.21341	.49302	.09776
#1	5872.7	98212.	16867.	2929.0
#2	5887.3	97875.	16911.	2925.6
#3	5853.7	98258.	16750.	2923.4

Zoom In Zoom Out

Sample Name: HSTD Acquired: 10/20/2025 8:13:00 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6567**	**-.1048**	**7.698**	**7.806**	**7.675**	**8.006**	**7.736**	**.0274**	**7.567**
Stddev	.0015	.0378	.066	.052	.199	.370	.037	.0365	.051
%RSD	.2279	36.04	.8535	.6682	2.591	4.627	.4760	133.0	.6780
#1	.6551	-.1479	7.667	7.795	7.789	7.970	7.725	-.0143	7.527
#2	.6581	-.0770	7.653	7.761	7.790	8.394	7.706	.0535	7.549
#3	.6569	-.0897	7.773	7.863	7.445	7.656	7.777	.0430	7.625
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0193**	**8.164**	**8.199**	**7.417**	**.0286**	**.4355**	**8.048**	**.2075**	**7.974**
Stddev	.0015	.038	.020	.156	.0148	.0058	.029	.0413	.094
%RSD	7.535	.4646	.2381	2.099	51.75	1.324	.3620	19.91	1.178
#1	.0187	8.134	8.178	7.246	.0122	.4334	8.082	.1599	7.908
#2	.0209	8.151	8.216	7.551	.0409	.4420	8.032	.2295	7.933
#3	.0182	8.206	8.203	7.453	.0326	.4311	8.030	.2333	8.082
Check ?	None	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass	None	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.052**	**.0824**	**8.206**	**7.947**	**8.155**	**98.13**	**7.907**	**7.967**	**25.24**
Stddev	.044	.0029	.046	.053	.046	.68	.040	.062	.17
%RSD	.5476	3.517	.5640	.6669	.5590	.6919	.5020	.7791	.6721
#1	8.028	.0858	8.162	7.916	8.112	97.85	7.901	7.943	25.16
#2	8.026	.0807	8.200	7.917	8.149	97.63	7.870	7.921	25.12
#3	8.103	.0808	8.254	8.008	8.203	98.90	7.949	8.038	25.43
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: HSTD Acquired: 10/20/2025 8:13:00 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.154**	**7.717**	**8.068**	**7.912**	**8.020**	**8.228**	**8.362**	**7.926**
Stddev	.060	.231	.014	.041	.016	.049	.061	.064
%RSD	.7402	2.988	.1776	.5195	.2014	.5986	.7248	.8110
#1	8.112	7.587	8.051	7.882	8.003	8.199	8.305	7.869
#2	8.126	7.983	8.077	7.893	8.035	8.201	8.357	7.996
#3	8.223	7.581	8.074	7.959	8.023	8.285	8.425	7.914
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6219.8**	**100970.**	**16973.**	**3062.3**
Stddev	41.6	288.	119.	22.0
%RSD	.66869	.28519	.70330	.71935
#1	6258.9	101250.	16954.	3079.7
#2	6224.3	100670.	16864.	3069.7
#3	6176.1	100990.	17100.	3037.5

Zoom In Zoom Out

Sample Name: HSTD Acquired: 10/20/2025 8:18:23 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**284.7**	**.0033**	**.0075**	**.0014**	**-.0000**	**-.0051**	**184.6**	**-.0003**
Stddev	.0001	10.6	.0030	.0011	.0001	.0000	.0005	2.8	.0005
%RSD	58.52	3.727	90.76	14.10	8.992	68.82	10.35	1.518	174.4
#1	-.0001	280.7	-.0001	.0086	.0014	-.0000	-.0046	183.8	-.0003
#2	-.0003	276.6	.0042	.0074	.0016	-.0000	-.0051	182.4	-.0007
#3	-.0001	296.7	.0057	.0065	.0014	-.0000	-.0056	187.8	.0002
Check ?	None	Chk Pass	None	None	None	None	None	Chk Pass	None
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0210**	**.0011**	**.0004**	**.0006**	**182.6**	**194.7**	**.0044**	**291.0**	**-.0032**
Stddev	.0037	.0003	.0001	.0003	1.6	1.6	.0013	2.6	.0000
%RSD	17.53	28.06	27.63	44.31	.8934	.8418	28.81	.9062	1.221
#1	.0211	.0008	.0004	.0003	181.8	193.8	.0058	291.1	-.0031
#2	.0246	.0014	.0004	.0008	181.5	193.7	.0038	288.4	-.0031
#3	.0173	.0012	.0006	.0007	184.4	196.5	.0034	293.6	-.0032
Check ?	None	None	None	None	Chk Pass	Chk Pass	None	Chk Pass	None
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0019**	**194.5**	**-.0006**	**-.0103**	**.0036**	**-.0077**	**.0012**	**.0027**	**.0118**
Stddev	.0002	3.7	.0004	.0017	.0012	.0037	.0012	.0021	.0071
%RSD	11.59	1.909	67.98	16.34	33.81	47.45	104.8	78.27	59.97
#1	.0016	194.6	-.0010	-.0117	.0024	-.0113	-.0001	.0040	.0198
#2	.0020	190.7	-.0005	-.0107	.0035	-.0080	.0013	.0003	.0065
#3	.0020	198.2	-.0002	-.0084	.0048	-.0039	.0023	.0038	.0090
Check ?	None	Chk Pass	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: HSTD Acquired: 10/20/2025 8:18:23 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0028**	**.0008**	**-.0010**	**.0037**	**.0007**	**-.0006**	**.0018**	**.0028**
Stddev	.0006	.0000	.0004	.0016	.0001	.0021	.0003	.0001
%RSD	20.88	6.266	39.94	42.85	15.59	329.2	19.31	3.029
#1	-.0024	.0008	-.0009	.0029	.0008	-.0018	.0015	.0028
#2	-.0034	.0007	-.0007	.0027	.0006	-.0019	.0017	.0028
#3	-.0025	.0007	-.0015	.0056	.0007	.0018	.0022	.0029
Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5906.5**	**98067.**	**16576.**	**2955.8**
Stddev	.7	447.	191.	7.0
%RSD	.01159	.45629	1.1495	.23664
#1	5906.9	97563.	16625.	2963.3
#2	5907.0	98419.	16737.	2954.4
#3	5905.7	98219.	16365.	2949.6

Zoom In Zoom Out

Sample Name: FECONF Acquired: 10/20/2025 8:23:42 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0008**	**.0288**	**.0001**	**.0037**	**-.0000**	**.0002**	**-.0030**	**.0243**	**.0005**
Stddev	.0003	.0037	.0028	.0002	.0001	.0000	.0009	.0052	.0003
%RSD	34.61	12.68	2230.	4.411	358.8	12.76	28.47	21.39	51.08
#1	-.0007	.0264	.0012	.0039	-.0000	.0002	-.0024	.0195	.0008
#2	-.0005	.0270	-.0031	.0036	.0001	.0003	-.0040	.0237	.0003
#3	-.0010	.0330	.0022	.0036	-.0001	.0002	-.0027	.0299	.0004

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0166**	**.0016**	**-.0007**	**-.0011**	**198.1**	**-.0896**	**-.0003**	**.0189**	**-.0005**
Stddev	.0009	.0001	.0002	.0005	.3	.0207	.0005	.0070	.0001
%RSD	5.651	3.458	33.79	41.95	.1564	23.13	200.9	37.03	21.97
#1	.0167	.0016	-.0005	-.0013	198.2	-.0657	-.0001	.0112	-.0005
#2	.0175	.0016	-.0006	-.0006	197.8	-.1027	.0002	.0206	-.0007
#3	.0156	.0015	-.0010	-.0015	198.4	-.1003	-.0008	.0248	-.0004

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0015**	**.0363**	**-.0010**	**-.0068**	**.0008**	**.0028**	**.0035**	**.0064**	**.0065**
Stddev	.0001	.0067	.0006	.0015	.0013	.0021	.0008	.0020	.0002
%RSD	6.495	18.37	65.51	21.60	165.9	74.18	23.93	32.05	3.179
#1	.0016	.0436	-.0003	-.0069	.0021	.0047	.0028	.0087	.0064
#2	.0015	.0305	-.0012	-.0053	-.0006	.0032	.0031	.0053	.0064
#3	.0014	.0347	-.0015	-.0082	.0009	.0006	.0044	.0051	.0068

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0023**	**.0002**	**.0003**	**.0011**	**.0002**	**.0003**	**-.0016**	**.0035**
Stddev	.0006	.0001	.0005	.0008	.0002	.0004	.0003	.0002
%RSD	27.44	32.47	191.2	66.88	118.8	128.1	16.37	4.779
#1	.0020	.0002	-.0003	.0012	.0002	.0004	-.0015	.0033
#2	.0019	.0003	.0004	.0004	-.0001	.0006	-.0015	.0035
#3	.0031	.0002	.0007	.0019	.0004	-.0001	-.0019	.0036

Zoom In Zoom Out

Sample Name: FECONF Acquired: 10/20/2025 8:23:42 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6286.2**	**100430.**	**16556.**	**3102.2**
Stddev	34.1	318.	151.	19.9
%RSD	.54294	.31619	.91463	.64161
#1	6295.1	100110.	16410.	3104.9
#2	6315.0	100740.	16712.	3120.6
#3	6248.5	100430.	16546.	3081.0

Zoom In Zoom Out

Sample Name: ALCONF Acquired: 10/20/2025 8:28:38 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0011**	F **455.2**	**-.0006**	**.0032**	**.0009**	**-.0001**	**-.0029**	**-.0014**	**.0001**
Stddev	.0002	4.4	.0011	.0011	.0002	.0001	.0005	.0007	.0001
%RSD	14.30	.9617	170.6	36.12	19.35	75.12	18.15	50.47	105.1
#1	-.0009	452.3	-.0007	.0045	.0010	-.0000	-.0034	-.0021	-.0000
#2	-.0012	460.3	.0005	.0024	.0009	-.0001	-.0023	-.0007	.0002
#3	-.0012	453.1	-.0017	.0026	.0007	-.0002	-.0029	-.0016	.0001

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0024**	**-.0002**	**.0001**	**-.0004**	**.0340**	**-.0190**	**.0011**	**-.0101**	**-.0006**
Stddev	.0017	.0002	.0001	.0003	.0015	.0217	.0004	.0224	.0000
%RSD	73.98	76.72	77.95	78.28	4.378	114.5	37.76	223.0	1.724
#1	-.0025	-.0001	.0000	-.0007	.0325	-.0078	.0010	.0050	-.0006
#2	-.0005	-.0002	.0001	-.0003	.0341	-.0440	.0008	.0006	-.0006
#3	-.0040	-.0004	.0002	-.0001	.0354	-.0051	.0016	-.0359	-.0006

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0009**	**.0024**	**-.0014**	**-.0050**	**-.0012**	**-.0079**	**-.0015**	**-.0011**	**-.0075**
Stddev	.0001	.0130	.0002	.0016	.0017	.0007	.0016	.0010	.0023
%RSD	13.13	536.0	11.01	31.58	135.7	8.843	109.0	88.17	30.32
#1	.0008	-.0032	-.0016	-.0068	.0003	-.0074	.0004	-.0001	-.0051
#2	.0008	.0172	-.0013	-.0038	-.0010	-.0087	-.0023	-.0021	-.0078
#3	.0010	-.0067	-.0013	-.0043	-.0030	-.0075	-.0025	-.0012	-.0096

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**-.0001**	**-.0001**	**.0006**	**-.0000**	**-.0005**	**-.0023**	**.0000**
Stddev	.0004	.0000	.0002	.0020	.0001	.0017	.0004	.0001
%RSD	959.6	54.62	183.2	352.1	302.6	315.1	18.03	365.9
#1	-.0001	-.0000	-.0002	-.0018	-.0001	.0014	-.0024	.0001
#2	-.0004	-.0001	.0001	.0019	-.0001	-.0015	-.0027	-.0001
#3	.0004	-.0001	-.0002	.0016	.0001	-.0015	-.0019	.0000

Zoom In Zoom Out

Sample Name: ALCONF Acquired: 10/20/2025 8:28:38 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6184.6**	**101180.**	**17941.**	**3227.3**
Stddev	6.2	257.	34.	5.4
%RSD	.10080	.25386	.19049	.16599
#1	6190.0	101340.	17980.	3229.8
#2	6186.0	101330.	17917.	3231.0
#3	6177.7	100890.	17926.	3221.2

Zoom In Zoom Out

Sample Name: CACONF Acquired: 10/20/2025 8:33:40 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0008**	**.0801**	**-.0008**	**.0040**	**.0025**	**-.0001**	**-.0002**	F **391.2**	**.0017**
Stddev	.0004	.0042	.0018	.0005	.0002	.0000	.0011	7.4	.0002
%RSD	50.23	5.221	221.9	13.71	6.277	33.53	536.5	1.887	13.19
#1	.0013	.0842	-.0029	.0045	.0026	-.0001	.0010	399.6	.0018
#2	.0008	.0801	.0003	.0041	.0023	-.0000	-.0006	387.7	.0019
#3	.0004	.0758	.0002	.0034	.0024	-.0001	-.0010	386.1	.0014

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0082**	**-.0008**	**.0009**	**.0002**	**.0470**	**.0391**	**-.0080**	**.0100**	**-.0038**
Stddev	.0020	.0002	.0004	.0003	.0012	.0166	.0003	.0104	.0001
%RSD	24.16	25.63	36.95	143.6	2.553	42.41	3.838	103.7	2.212
#1	.0079	-.0006	.0005	.0003	.0478	.0449	-.0081	.0041	-.0039
#2	.0103	-.0010	.0011	-.0001	.0475	.0520	-.0082	.0040	-.0039
#3	.0063	-.0007	.0012	.0005	.0456	.0204	-.0076	.0221	-.0037

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0335**	**.0001**	**-.0091**	**-.0003**	**.0009**	**-.0042**	**.0018**	**.0060**
Stddev	.0003	.0008	.0001	.0011	.0002	.0011	.0017	.0023	.0011
%RSD	328.5	2.293	76.64	11.89	62.75	129.7	41.17	129.7	18.62
#1	.0003	.0336	.0002	-.0099	-.0004	.0022	-.0031	-.0009	.0048
#2	-.0002	.0342	.0000	-.0095	-.0001	.0002	-.0033	.0033	.0061
#3	-.0004	.0327	.0002	-.0079	-.0002	.0002	-.0062	.0029	.0070

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0042**	**.0011**	**-.0008**	**-.0022**	**.0003**	**-.0013**	**-.0042**	**.0001**
Stddev	.0007	.0000	.0001	.0006	.0003	.0004	.0000	.0000
%RSD	17.07	3.569	10.00	28.42	129.6	31.41	.4383	37.75
#1	-.0037	.0011	-.0009	-.0028	.0005	-.0016	-.0042	.0002
#2	-.0038	.0011	-.0009	-.0022	-.0001	-.0015	-.0042	.0001
#3	-.0050	.0012	-.0007	-.0016	.0004	-.0009	-.0041	.0001

Zoom In Zoom Out

Sample Name: CACONF Acquired: 10/20/2025 8:33:40 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5948.7**	**100170.**	**16429.**	**2987.7**
Stddev	12.8	301.	107.	8.8
%RSD	.21548	.30095	.64987	.29486
#1	5934.3	99914.	16314.	2978.0
#2	5959.0	100090.	16447.	2989.9
#3	5952.9	100500.	16526.	2995.2

Zoom In Zoom Out

Sample Name: VCONF Acquired: 10/20/2025 8:38:44 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0098**	**.0000**	**.0012**	**.0033**	**-.0001**	**.0004**	**-.0002**	**.0233**	**-.0001**
Stddev	.0004	.0039	.0014	.0005	.0002	.0001	.0007	.0053	.0001
%RSD	3.977	9224.	122.5	15.24	168.1	29.92	337.3	22.79	249.3
#1	.0102	.0017	.0007	.0033	.0001	.0004	.0006	.0178	-.0002
#2	.0094	.0029	.0028	.0028	-.0001	.0006	-.0004	.0237	-.0001
#3	.0099	-.0044	.0000	.0038	-.0004	.0003	-.0009	.0284	.0001

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0051**	**-.0001**	**.0018**	**-.0001**	**-.0006**	**.0250**	**.0007**	**-.0002**	**-.0002**
Stddev	.0012	.0002	.0002	.0002	.0012	.0436	.0004	.0120	.0000
%RSD	22.82	328.1	10.24	177.3	193.2	174.6	51.17	5449.	15.72
#1	.0045	-.0000	.0017	-.0001	-.0006	-.0254	.0009	.0097	-.0002
#2	.0043	-.0002	.0016	-.0002	.0006	.0504	.0010	.0032	-.0002
#3	.0064	.0001	.0020	.0001	-.0019	.0500	.0003	-.0135	-.0001

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0007**	**.0391**	**-.0007**	**-.0075**	**-.0004**	**.0015**	**-.0015**	**.0019**	**.0018**
Stddev	.0002	.0018	.0002	.0010	.0002	.0024	.0011	.0020	.0051
%RSD	28.88	4.593	35.39	12.95	41.24	163.3	75.87	106.3	273.7
#1	-.0009	.0388	-.0004	-.0065	-.0005	.0010	-.0016	.0000	-.0011
#2	-.0005	.0375	-.0009	-.0076	-.0002	-.0007	-.0026	.0040	-.0011
#3	-.0007	.0410	-.0008	-.0084	-.0004	.0041	-.0003	.0017	.0077

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0012**	**-.0001**	**-.0002**	**.0002**	F **9.909**	**.0006**	**-.0043**	**-.0076**
Stddev	.0012	.0000	.0001	.0026	.079	.0004	.0002	.0001
%RSD	101.1	21.87	67.19	1268.	.7936	68.64	4.104	1.885
#1	-.0020	-.0001	-.0003	.0019	9.868	.0005	-.0043	-.0074
#2	-.0018	-.0001	-.0002	-.0028	9.859	.0002	-.0046	-.0075
#3	.0002	-.0001	-.0001	.0016	9.999	.0010	-.0042	-.0077

Zoom In Zoom Out

Sample Name: VCONF Acquired: 10/20/2025 8:38:44 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6117.3**	**100890.**	**16719.**	**3106.5**
Stddev	20.7	959.	126.	12.8
%RSD	.33918	.95026	.75219	.41057
#1	6128.6	101830.	16581.	3112.5
#2	6130.0	100940.	16827.	3115.2
#3	6093.4	99914.	16748.	3091.9

Zoom In Zoom Out

Sample Name: CCV Acquired: 10/20/2025 8:43:48 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2507**	**39.49**	**1.976**	**2.013**	**1.943**	**2.036**	**2.003**	**40.42**	**2.060**
Stddev	.0008	.05	.006	.002	.004	.003	.002	.14	.001
%RSD	.3133	.1359	.2866	.0827	.2201	.1571	.0845	.3357	.0319
#1	.2501	39.54	1.972	2.014	1.945	2.039	2.001	40.50	2.060
#2	.2516	39.44	1.982	2.015	1.945	2.033	2.004	40.26	2.059
#3	.2504	39.49	1.974	2.011	1.938	2.035	2.004	40.50	2.061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.014**	**2.080**	**2.054**	**1.949**	**40.42**	**39.54**	**1.983**	**39.33**	**2.089**
Stddev	.008	.003	.009	.008	.07	.04	.007	.20	.012
%RSD	.3928	.1277	.4522	.3935	.1651	.0888	.3558	.5105	.5841
#1	2.005	2.082	2.044	1.940	40.43	39.57	1.985	39.40	2.075
#2	2.019	2.080	2.063	1.954	40.34	39.54	1.989	39.11	2.099
#3	2.017	2.077	2.056	1.953	40.47	39.50	1.975	39.49	2.093
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.051**	**39.76**	**2.078**	**2.048**	**2.066**	**2.045**	**2.026**	**2.033**	**5.063**
Stddev	.001	.05	.001	.004	.003	.002	.001	.003	.004
%RSD	.0686	.1375	.0221	.2121	.1228	.0790	.0424	.1632	.0798
#1	2.051	39.82	2.078	2.049	2.063	2.046	2.025	2.030	5.061
#2	2.052	39.74	2.078	2.052	2.066	2.043	2.026	2.033	5.068
#3	2.049	39.72	2.077	2.044	2.068	2.045	2.026	2.037	5.060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: CCV Acquired: 10/20/2025 8:43:48 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.061**	**2.023**	**2.037**	**2.042**	**2.034**	**2.038**	**2.087**	**2.037**
Stddev	.005	.002	.007	.001	.009	.001	.003	.010
%RSD	.2322	.1050	.3320	.0464	.4204	.0612	.1509	.4860
#1	2.056	2.025	2.029	2.043	2.025	2.036	2.089	2.026
#2	2.065	2.024	2.043	2.043	2.041	2.038	2.089	2.044
#3	2.061	2.021	2.039	2.041	2.036	2.038	2.083	2.041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6129.0**	**99827.**	**16889.**	**3066.0**
Stddev	1.6	607.	147.	.3
%RSD	.02629	.60841	.86956	.00831
#1	6127.2	100510.	16865.	3065.7
#2	6130.1	99349.	17046.	3065.9
#3	6129.7	99621.	16755.	3066.2

Zoom In Zoom Out

Sample Name: CCB Acquired: 10/20/2025 8:48:20 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0014**	**-.0012**	**.0046**	**-.0004**	**.0001**	**.0003**	**.0078**	**.0004**
Stddev	.0004	.0060	.0007	.0000	.0002	.0000	.0004	.0007	.0001
%RSD	78.80	440.8	57.02	.6902	40.79	23.65	145.9	8.895	26.53
#1	.0007	.0049	-.0010	.0046	-.0005	.0001	.0005	.0086	.0005
#2	.0000	.0048	-.0019	.0046	-.0005	.0002	-.0002	.0072	.0004
#3	.0006	-.0056	-.0006	.0047	-.0002	.0001	.0005	.0076	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0034**	**.0002**	**.0006**	**.0007**	**.0022**	**-.0014**	**-.0002**	**-.0051**	**.0003**
Stddev	.0012	.0002	.0005	.0002	.0024	.0101	.0012	.0109	.0003
%RSD	33.95	75.83	85.15	34.65	107.1	700.2	527.3	213.2	89.06
#1	.0043	.0003	.0002	.0004	.0000	.0073	.0001	.0061	.0001
#2	.0038	.0000	.0005	.0007	.0048	-.0125	-.0016	-.0156	.0002
#3	.0021	.0004	.0012	.0009	.0019	.0009	.0008	-.0059	.0007
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**-.0049**	**-.0001**	**.0002**	**.0005**	**.0025**	**.0005**	**-.0008**	**.0017**
Stddev	.0003	.0079	.0004	.0013	.0006	.0011	.0011	.0010	.0011
%RSD	87.13	161.0	439.4	772.8	121.9	42.68	229.9	120.6	62.80
#1	.0007	-.0035	.0002	.0015	.0008	.0022	.0017	-.0017	.0024
#2	.0004	-.0134	-.0005	-.0011	-.0002	.0016	-.0002	-.0011	.0024
#3	.0000	.0022	.0000	.0000	.0010	.0037	-.0001	.0003	.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: CCB Acquired: 10/20/2025 8:48:20 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0006**	**.0001**	**.0002**	**-.0022**	**.0008**	**-.0006**	**.0004**	**.0004**
Stddev	.0005	.0001	.0005	.0013	.0005	.0008	.0003	.0001
%RSD	87.67	53.62	192.5	59.07	62.56	140.0	75.70	39.80
#1	-.0002	.0002	-.0003	-.0008	.0004	.0003	.0005	.0002
#2	-.0004	.0001	.0004	-.0025	.0006	-.0006	.0005	.0004
#3	-.0011	.0001	.0007	-.0034	.0014	-.0014	.0000	.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6136.1**	**99635.**	**16613.**	**3115.2**
Stddev	27.6	141.	173.	16.2
%RSD	.45004	.14168	1.0438	.52030
#1	6161.4	99513.	16420.	3126.9
#2	6140.3	99601.	16665.	3122.1
#3	6106.7	99789.	16755.	3096.7

Zoom In Zoom Out

Sample Name: sampleconf Acquired: 10/20/2025 8:53:16 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0050**	**.2082**	**.0082**	**.1043**	**.2003**	**.0024**	**.0191**	**5.300**	**.0032**
Stddev	.0002	.0104	.0025	.0004	.0005	.0000	.0019	.024	.0002
%RSD	3.213	4.977	30.53	.3528	.2354	1.198	9.947	.4605	5.044
#1	.0052	.2149	.0104	.1039	.2001	.0024	.0212	5.324	.0033
#2	.0049	.1963	.0088	.1043	.2008	.0024	.0189	5.275	.0030
#3	.0049	.2134	.0055	.1046	.1999	.0024	.0174	5.301	.0033

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0031**	**.0546**	**.0107**	**.0093**	**.1130**	**5.040**	**.0511**	**5.091**	**.0160**
Stddev	.0006	.0003	.0000	.0002	.0007	.026	.0019	.045	.0001
%RSD	19.32	.5570	.3935	2.509	.6358	.5252	3.801	.8854	.5004
#1	.0037	.0548	.0107	.0093	.1137	5.010	.0514	5.139	.0161
#2	.0032	.0542	.0107	.0096	.1129	5.052	.0528	5.049	.0159
#3	.0025	.0547	.0107	.0091	.1123	5.058	.0490	5.086	.0160

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0210**	**5.056**	**.0108**	**.0515**	**.0050**	**.0517**	**.0051**	**.0122**	**.2116**
Stddev	.0002	.017	.0002	.0010	.0010	.0039	.0009	.0015	.0000
%RSD	1.054	.3376	1.572	1.902	20.50	7.571	18.31	12.04	.0027
#1	.0211	5.036	.0109	.0516	.0049	.0562	.0049	.0138	.2116
#2	.0207	5.068	.0106	.0504	.0040	.0494	.0043	.0109	.2116
#3	.0210	5.063	.0109	.0524	.0060	.0494	.0062	.0118	.2116

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0094**	**.0108**	**.0100**	**.0068**	**.0515**	**.0522**	**.0221**	**.0105**
Stddev	.0001	.0001	.0003	.0006	.0003	.0011	.0001	.0001
%RSD	1.207	.7470	2.905	9.077	.5512	2.177	.4379	1.219
#1	.0094	.0109	.0098	.0074	.0517	.0520	.0222	.0104
#2	.0092	.0108	.0099	.0068	.0517	.0511	.0220	.0106
#3	.0094	.0108	.0104	.0062	.0512	.0534	.0221	.0104

Zoom In Zoom Out

Sample Name: sampleconf Acquired: 10/20/2025 8:53:16 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6136.8**	**101320.**	**16761.**	**3105.9**
Stddev	8.7	582.	131.	7.3
%RSD	.14119	.57447	.78263	.23421
#1	6126.9	100800.	16693.	3099.8
#2	6142.8	101230.	16912.	3114.0
#3	6140.8	101950.	16678.	3103.9

Zoom In Zoom Out

Sample Name: MP58070-MB1conf Acquired: 10/20/2025 8:58:10 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**-.0019**	**-.0002**	**.1976**	**.0001**	**-.0001**	**.0010**	**.1018**	**-.0001**
Stddev	.0003	.0036	.0012	.0008	.0002	.0000	.0008	.0007	.0002
%RSD	255.7	188.2	709.8	.4073	191.2	17.58	73.58	.6884	146.0
#1	-.0002	-.0001	.0008	.1971	-.0001	-.0001	.0012	.1025	.0001
#2	.0002	.0004	-.0015	.1986	.0003	-.0001	.0018	.1011	-.0003
#3	-.0003	-.0061	.0002	.1973	.0001	-.0001	.0002	.1018	-.0002

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0003**	**-.0003**	**.0005**	**.0027**	**.0110**	**.0417**	**-.0049**	**.0205**	**.0001**
Stddev	.0004	.0002	.0002	.0002	.0013	.0301	.0018	.0174	.0000
%RSD	131.8	87.46	41.32	6.665	11.58	72.11	36.14	84.78	29.42
#1	-.0006	-.0005	.0006	.0025	.0109	.0583	-.0032	.0139	.0001
#2	.0002	-.0001	.0003	.0028	.0124	.0598	-.0047	.0402	.0001
#3	-.0006	-.0002	.0007	.0028	.0098	.0070	-.0067	.0074	.0001

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0003**	**.0361**	**-.0001**	**.0196**	**.0004**	**.0055**	**-.0006**	**.0002**	**2.246**
Stddev	.0002	.0044	.0004	.0013	.0004	.0012	.0006	.0016	.005
%RSD	64.51	12.11	291.3	6.692	89.81	22.33	103.4	1059.	.2385
#1	-.0004	.0400	-.0006	.0184	.0000	.0047	-.0006	.0012	2.242
#2	-.0002	.0369	-.0000	.0210	.0007	.0050	.0000	-.0017	2.252
#3	-.0001	.0314	.0002	.0194	.0005	.0070	-.0013	.0010	2.245

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0176**	**.0002**	**-.0002**	**-.0006**	**.0001**	**-.0015**	**.0056**	**-.0002**
Stddev	.0002	.0000	.0003	.0010	.0001	.0005	.0001	.0002
%RSD	1.252	8.375	143.4	166.4	149.8	34.49	1.383	87.01
#1	.0173	.0002	-.0004	-.0016	.0001	-.0021	.0056	-.0003
#2	.0178	.0002	-.0002	.0004	-.0001	-.0012	.0057	-.0002
#3	.0176	.0002	.0001	-.0006	.0002	-.0012	.0056	-.0000

Zoom In Zoom Out

Sample Name: MP58070-MB1conf Acquired: 10/20/2025 8:58:10 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6140.0**	**99947.**	**16887.**	**3119.1**
Stddev	22.3	138.	44.	12.6
%RSD	.36309	.13766	.26266	.40485
#1	6150.6	99873.	16894.	3124.8
#2	6114.3	99862.	16840.	3104.7
#3	6154.9	100110.	16928.	3128.0

Zoom In Zoom Out

Sample Name: SAMPLECONF Acquired: 10/20/2025 9:12:25 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0051**	**.1848**	**.0066**	**.1017**	**.1856**	**.0019**	**.0184**	**5.069**	**.0027**
Stddev	.0004	.0061	.0023	.0007	.0005	.0000	.0005	.038	.0001
%RSD	8.179	3.292	34.72	.7057	.2852	1.812	2.660	.7544	2.937
#1	.0054	.1899	.0090	.1025	.1859	.0019	.0185	5.086	.0027
#2	.0052	.1780	.0064	.1013	.1859	.0019	.0179	5.096	.0028
#3	.0046	.1864	.0044	.1013	.1850	.0020	.0189	5.025	.0026

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0007**	**.0520**	**.0100**	**.0090**	**.0992**	**4.826**	**.0490**	**4.840**	**.0150**
Stddev	.0024	.0004	.0001	.0004	.0018	.018	.0014	.047	.0000
%RSD	343.1	.6747	.5721	4.347	1.767	.3645	2.772	.9791	.2616
#1	.0018	.0517	.0101	.0094	.1004	4.810	.0485	4.869	.0150
#2	-.0009	.0518	.0100	.0091	.0972	4.845	.0506	4.865	.0149
#3	-.0030	.0524	.0100	.0086	.1001	4.825	.0480	4.785	.0150

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0199**	**4.809**	**.0104**	**.0492**	F **.0023**	**.0525**	F **.0043**	**.0110**	F **.5277**
Stddev	.0005	.012	.0002	.0005	.0011	.0015	.0006	.0012	.0010
%RSD	2.603	.2493	2.147	1.017	48.55	2.840	15.11	11.17	.1912
#1	.0194	4.821	.0103	.0486	.0021	.0509	.0037	.0124	.5265
#2	.0200	4.808	.0107	.0492	.0013	.0526	.0049	.0108	.5282
#3	.0204	4.797	.0103	.0496	.0035	.0539	.0042	.0099	.5284

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0086**	**.0098**	**.0094**	F **.0072**	**.0491**	**.0491**	**.0230**	**.0096**
Stddev	.0002	.0000	.0003	.0021	.0004	.0003	.0001	.0002
%RSD	2.678	.4129	3.557	29.25	.8131	.6104	.4055	2.092
#1	.0089	.0099	.0094	.0060	.0492	.0487	.0229	.0098
#2	.0086	.0098	.0097	.0059	.0495	.0491	.0231	.0097
#3	.0084	.0098	.0090	.0096	.0487	.0493	.0230	.0094

Zoom In Zoom Out

Sample Name: SAMPLECONF Acquired: 10/20/2025 9:12:25 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6128.7**	**100830.**	**16611.**	**3105.7**
Stddev	11.6	219.	185.	10.0
%RSD	.18882	.21732	1.1161	.32293
#1	6139.1	100590.	16510.	3116.1
#2	6130.7	100880.	16499.	3105.1
#3	6116.2	101020.	16825.	3096.0

Zoom In Zoom Out

Sample Name: CRI Acquired: 10/20/2025 9:17:46 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0049**	**.2005**	**.0087**	**.1016**	**.1920**	**.0019**	**.0180**	**5.185**	**.0028**
Stddev	.0003	.0041	.0004	.0007	.0007	.0000	.0010	.045	.0002
%RSD	5.201	2.041	4.523	.6414	.3626	1.008	5.491	.8771	7.339
#1	.0050	.2004	.0083	.1021	.1926	.0019	.0187	5.207	.0030
#2	.0051	.1965	.0088	.1008	.1922	.0019	.0168	5.216	.0027
#3	.0046	.2047	.0091	.1018	.1913	.0019	.0184	5.133	.0026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0007**	**.0530**	**.0103**	**.0089**	**.1007**	**4.955**	**.0496**	**4.940**	**.0155**
Stddev	.0023	.0003	.0000	.0003	.0021	.012	.0015	.053	.0000
%RSD	324.1	.6489	.3096	3.651	2.040	.2425	3.042	1.073	.3098
#1	.0016	.0530	.0103	.0085	.1028	4.968	.0514	4.971	.0155
#2	-.0007	.0527	.0102	.0089	.1005	4.945	.0487	4.971	.0155
#3	-.0031	.0533	.0103	.0092	.0987	4.952	.0488	4.879	.0156
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0202**	**4.940**	**.0107**	**.0506**	**.0030**	**.0514**	**.0051**	**.0103**	**.2056**
Stddev	.0001	.019	.0006	.0014	.0008	.0028	.0017	.0033	.0012
%RSD	.3937	.3859	5.330	2.671	26.37	5.413	32.27	32.41	.5631
#1	.0202	4.944	.0104	.0492	.0038	.0485	.0033	.0068	.2043
#2	.0202	4.958	.0105	.0507	.0031	.0540	.0064	.0107	.2061
#3	.0203	4.920	.0114	.0518	.0022	.0516	.0057	.0135	.2064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: CRI Acquired: 10/20/2025 9:17:46 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0098**	**.0101**	**.0097**	**.0090**	**.0501**	**.0503**	**.0239**	**.0098**
Stddev	.0006	.0001	.0005	.0023	.0001	.0018	.0002	.0001
%RSD	6.517	.7707	5.068	25.63	.2622	3.567	1.041	.5332
#1	.0091	.0102	.0092	.0098	.0502	.0517	.0242	.0097
#2	.0104	.0102	.0102	.0064	.0500	.0483	.0239	.0098
#3	.0100	.0100	.0097	.0109	.0501	.0509	.0237	.0098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6135.5**	**100970.**	**16846.**	**3113.1**
Stddev	19.0	35.	331.	9.8
%RSD	.30895	.03469	1.9633	.31578
#1	6120.4	100980.	16632.	3105.8
#2	6156.8	101000.	16679.	3124.3
#3	6129.3	100930.	17227.	3109.2

Zoom In Zoom Out

Sample Name: CCV Acquired: 10/20/2025 9:22:40 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2481**	**39.70**	**1.959**	**2.005**	**1.937**	**2.055**	**1.999**	**40.83**	**2.057**
Stddev	.0006	.23	.007	.006	.012	.015	.005	.30	.003
%RSD	.2536	.5743	.3446	.2968	.6403	.7393	.2751	.7433	.1293
#1	.2474	39.95	1.954	2.011	1.947	2.071	2.003	41.18	2.059
#2	.2482	39.67	1.967	2.006	1.941	2.052	2.001	40.67	2.059
#3	.2487	39.49	1.956	1.999	1.923	2.041	1.993	40.64	2.054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.999**	**2.077**	**2.035**	**1.937**	**40.55**	**39.72**	**1.985**	**39.44**	**2.074**
Stddev	.007	.005	.005	.002	.19	.10	.012	.29	.006
%RSD	.3618	.2274	.2465	.0999	.4782	.2558	.6001	.7481	.2897
#1	1.996	2.078	2.034	1.934	40.78	39.84	1.991	39.78	2.072
#2	2.007	2.082	2.041	1.938	40.43	39.66	1.992	39.28	2.081
#3	1.993	2.072	2.031	1.938	40.46	39.67	1.971	39.26	2.069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.042**	**39.89**	**2.078**	**2.045**	**2.065**	**2.047**	**2.014**	**2.025**	**5.057**
Stddev	.003	.18	.004	.007	.005	.003	.010	.008	.012
%RSD	.1637	.4609	.1906	.3261	.2564	.1226	.4764	.3918	.2360
#1	2.045	40.08	2.077	2.043	2.063	2.047	2.021	2.031	5.069
#2	2.044	39.89	2.082	2.052	2.071	2.049	2.018	2.029	5.057
#3	2.038	39.71	2.074	2.039	2.061	2.044	2.003	2.016	5.045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: CCV Acquired: 10/20/2025 9:22:40 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.055**	**2.042**	**2.016**	**2.035**	**2.016**	**2.024**	**2.084**	**2.025**
Stddev	.006	.013	.002	.003	.004	.010	.006	.004
%RSD	.2758	.6521	.0770	.1414	.2242	.4932	.2673	.2012
#1	2.051	2.054	2.015	2.031	2.014	2.026	2.081	2.025
#2	2.062	2.044	2.018	2.037	2.021	2.033	2.090	2.030
#3	2.053	2.027	2.015	2.035	2.013	2.013	2.080	2.022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6125.4**	**100620.**	**16676.**	**3071.2**
Stddev	4.6	127.	156.	1.3
%RSD	.07553	.12655	.93690	.04292
#1	6130.4	100610.	16527.	3071.1
#2	6121.3	100490.	16839.	3070.0
#3	6124.6	100750.	16661.	3072.6

Zoom In Zoom Out

Sample Name: CCB Acquired: 10/20/2025 9:27:12 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0014**	**-.0000**	**.0041**	**-.0001**	**.0002**	**-.0010**	**.0028**	**.0004**
Stddev	.0004	.0034	.0012	.0005	.0001	.0000	.0009	.0009	.0003
%RSD	440.0	238.4	16850.	11.98	120.0	5.435	98.71	33.72	67.39
#1	-.0003	-.0050	-.0013	.0046	-.0000	.0002	-.0000	.0037	.0004
#2	.0001	-.0009	.0001	.0041	.0000	.0002	-.0010	.0027	.0006
#3	.0005	.0017	.0011	.0036	-.0001	.0001	-.0019	.0019	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0013**	**.0004**	**.0002**	**.0003**	**.0022**	**-.0088**	**-.0003**	**.0045**	**.0002**
Stddev	.0016	.0003	.0002	.0003	.0015	.0401	.0007	.0100	.0002
%RSD	126.0	83.30	65.48	110.9	69.27	457.3	207.6	222.2	124.3
#1	.0030	.0004	.0003	.0003	.0039	.0145	-.0009	.0135	-.0000
#2	-.0003	.0007	.0001	-.0000	.0011	-.0551	-.0004	.0063	.0001
#3	.0013	.0000	.0004	.0006	.0015	.0143	.0004	-.0063	.0004
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0092**	**.0004**	**.0006**	**.0014**	**-.0015**	**-.0006**	**-.0005**	**.0011**
Stddev	.0003	.0056	.0003	.0011	.0009	.0043	.0013	.0020	.0009
%RSD	560.0	60.86	63.17	176.5	65.90	292.9	223.0	414.0	81.06
#1	.0002	-.0106	.0004	.0006	.0016	.0029	-.0009	.0007	.0021
#2	.0003	-.0139	.0007	-.0005	.0021	-.0016	.0009	-.0027	.0005
#3	-.0003	-.0030	.0002	.0017	.0004	-.0058	-.0017	.0006	.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: CCB Acquired: 10/20/2025 9:27:12 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0003**	**.0002**	**.0000**	**-.0019**	**.0002**	**-.0019**	**-.0000**	**.0002**
Stddev	.0006	.0000	.0005	.0014	.0000	.0007	.0001	.0001
%RSD	190.9	15.64	1035.	74.52	17.50	34.74	2877.	69.23
#1	-.0001	.0002	-.0004	-.0032	.0002	-.0019	.0001	.0000
#2	.0002	.0001	.0000	-.0021	.0003	-.0025	.0001	.0002
#3	-.0010	.0002	.0005	-.0004	.0002	-.0012	-.0002	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6108.3**	**100590.**	**16808.**	**3103.1**
Stddev	23.7	799.	139.	16.1
%RSD	.38827	.79399	.82846	.51748
#1	6133.7	100840.	16863.	3117.1
#2	6104.6	99701.	16650.	3106.6
#3	6086.7	101240.	16912.	3085.5

Zoom In Zoom Out

Sample Name: MP58070-MB1 Acquired: 10/20/2025 9:32:08 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**-.0010**	**-.0009**	**.1962**	**.0003**	**-.0001**	**-.0012**	**.1045**	**.0001**
Stddev	.0001	.0027	.0025	.0003	.0002	.0001	.0002	.0013	.0002
%RSD	155.6	280.5	287.1	.1739	69.49	88.76	16.73	1.210	398.9
#1	.0000	-.0040	.0020	.1958	.0005	-.0001	-.0010	.1031	-.0001
#2	-.0001	.0001	-.0026	.1962	.0001	-.0001	-.0014	.1056	.0003
#3	-.0002	.0010	-.0021	.1965	.0003	-.0000	-.0014	.1047	-.0000

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0053**	**.0000**	**.0004**	**.0023**	**.0130**	**.0142**	**-.0027**	**.0204**	**.0002**
Stddev	.0017	.0003	.0000	.0002	.0012	.0238	.0012	.0165	.0000
%RSD	32.22	1023.	8.689	7.729	8.900	167.8	46.54	81.02	15.41
#1	.0036	-.0003	.0004	.0022	.0140	.0109	-.0016	.0131	.0002
#2	.0052	.0001	.0004	.0025	.0118	.0394	-.0040	.0088	.0002
#3	.0070	.0002	.0004	.0023	.0133	-.0078	-.0024	.0394	.0002

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**.0367**	**-.0001**	**.0198**	**.0001**	**.0056**	**-.0010**	**-.0011**	**2.230**
Stddev	.0002	.0030	.0001	.0004	.0003	.0009	.0007	.0010	.010
%RSD	401.0	8.282	62.02	1.927	297.7	17.06	69.24	86.82	.4677
#1	-.0002	.0347	-.0001	.0198	-.0002	.0047	-.0006	-.0008	2.218
#2	-.0000	.0351	-.0001	.0194	.0000	.0066	-.0019	-.0003	2.236
#3	.0001	.0402	-.0000	.0202	.0004	.0054	-.0006	-.0022	2.236

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0167**	**.0002**	**.0001**	**-.0029**	**-.0002**	**-.0014**	**.0057**	**.0000**
Stddev	.0007	.0001	.0004	.0013	.0001	.0010	.0001	.0001
%RSD	4.409	23.53	333.5	43.59	69.90	71.10	1.829	2172.
#1	.0158	.0002	-.0003	-.0038	-.0003	-.0003	.0057	-.0000
#2	.0171	.0002	.0006	-.0034	-.0001	-.0017	.0058	.0001
#3	.0170	.0003	.0001	-.0014	-.0002	-.0022	.0056	-.0001

Zoom In Zoom Out

Sample Name: MP58070-MB1 Acquired: 10/20/2025 9:32:08 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6159.7**	**100700.**	**16718.**	**3130.4**
Stddev	32.1	299.	45.	18.7
%RSD	.52126	.29705	.27109	.59660
#1	6180.1	100960.	16668.	3144.1
#2	6176.4	100770.	16756.	3138.0
#3	6122.7	100370.	16730.	3109.1

Zoom In Zoom Out

Sample Name: MP58070-S1 Acquired: 10/20/2025 9:41:38 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2352**	**77.47**	**1.752**	**1.981**	**2.596**	**1.758**	**-.0114**	F **275.9**
Stddev	.0001	.14	.010	.006	.003	.003	.0017	5.7
%RSD	.0478	.1857	.5499	.3001	.1083	.1796	15.25	2.053
#1	.2351	77.35	1.745	1.975	2.593	1.755	-.0121	271.2
#2	.2353	77.63	1.748	1.980	2.597	1.761	-.0094	282.2
#3	.2352	77.42	1.763	1.987	2.599	1.759	-.0127	274.3

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.796**	**.3065**	**1.832**	**1.867**	**2.698**	**193.7**	**28.99**	**.0687**
Stddev	.006	.0010	.001	.004	.010	1.1	.04	.0006
%RSD	.3407	.3134	.0544	.1974	.3594	.5864	.1282	.8710
#1	1.790	.3076	1.831	1.867	2.699	192.6	28.97	.0688
#2	1.797	.3061	1.832	1.870	2.688	193.7	29.03	.0680
#3	1.802	.3057	1.833	1.863	2.708	194.8	28.96	.0692

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**85.59**	**4.499**	**1.715**	**25.90**	**1.944**	**3.499**	**4.610**	**5.518**
Stddev	.51	.024	.006	.04	.004	.006	.007	.021
%RSD	.6000	.5255	.3461	.1568	.1846	.1714	.1613	.3727
#1	85.10	4.511	1.708	25.85	1.943	3.494	4.615	5.494
#2	86.12	4.515	1.716	25.92	1.940	3.506	4.602	5.533
#3	85.56	4.472	1.720	25.93	1.947	3.498	4.614	5.526

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.104**	**1.699**	**9.924**	**1.910**	**2.495**	**4.191**	W **1.715**	**1.994**
Stddev	.006	.006	.046	.004	.023	.003	.006	.003
%RSD	.5468	.3332	.4641	.2284	.9257	.0633	.3770	.1484
#1	1.098	1.694	9.876	1.909	2.509	4.193	1.708	1.998
#2	1.103	1.699	9.928	1.906	2.508	4.191	1.717	1.993
#3	1.110	1.705	9.967	1.915	2.469	4.188	1.721	1.992

Zoom In Zoom Out

Sample Name: MP58070-S1 Acquired: 10/20/2025 9:41:38 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**1.185**	**5.778**	**1.778**
Stddev	.004	.005	.001
%RSD	.3471	.0909	.0592
#1	1.181	5.776	1.779
#2	1.186	5.774	1.777
#3	1.189	5.784	1.779

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6088.8**	**101650.**	**17077.**	**3076.6**
Stddev	7.4	433.	233.	5.0
%RSD	.12077	.42567	1.3671	.16244
#1	6081.7	101760.	17297.	3082.3
#2	6088.4	101170.	16832.	3073.2
#3	6096.4	102020.	17101.	3074.3

Zoom In Zoom Out

Sample Name: MP58070-S2 Acquired: 10/20/2025 9:46:33 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2462**	**86.66**	**1.835**	**2.075**	**2.678**	**1.843**	**-.0128**	F **295.4**
Stddev	.0008	.07	.004	.005	.005	.004	.0011	10.4
%RSD	.3260	.0760	.2341	.2560	.1811	.2312	8.858	3.538
#1	.2472	86.60	1.835	2.072	2.681	1.838	-.0127	289.3
#2	.2459	86.65	1.831	2.072	2.680	1.846	-.0139	289.4
#3	.2457	86.73	1.840	2.082	2.672	1.845	-.0117	307.5

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.877**	**.2636**	**1.901**	**1.887**	**2.585**	**137.2**	**29.21**	**.0656**
Stddev	.004	.0011	.003	.002	.011	.4	.04	.0014
%RSD	.2374	.4339	.1665	.0785	.4252	.3105	.1408	2.144
#1	1.875	.2646	1.899	1.887	2.596	136.8	29.19	.0672
#2	1.874	.2639	1.900	1.888	2.574	137.2	29.19	.0647
#3	1.882	.2624	1.905	1.885	2.585	137.7	29.26	.0649

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**91.55**	**3.984**	**1.796**	**26.96**	**2.003**	**3.132**	**4.508**	**4.812**
Stddev	.56	.005	.003	.00	.004	.007	.005	.012
%RSD	.6073	.1274	.1785	.0134	.1928	.2178	.1086	.2570
#1	91.00	3.982	1.794	26.96	2.004	3.125	4.505	4.801
#2	91.54	3.979	1.795	26.95	1.999	3.133	4.505	4.810
#3	92.11	3.989	1.800	26.96	2.007	3.139	4.513	4.825

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.172**	**1.773**	**12.00**	**1.928**	**2.393**	**4.053**	W **1.817**	**1.983**
Stddev	.005	.010	.04	.002	.013	.005	.002	.003
%RSD	.4376	.5404	.3254	.1048	.5610	.1361	.1200	.1266
#1	1.170	1.767	11.98	1.928	2.403	4.058	1.814	1.986
#2	1.168	1.768	11.98	1.926	2.378	4.054	1.819	1.981
#3	1.178	1.784	12.05	1.930	2.398	4.047	1.817	1.981

Zoom In Zoom Out

Sample Name: MP58070-S2 Acquired: 10/20/2025 9:46:33 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**1.304**	**5.327**	**1.846**
Stddev	.005	.012	.006
%RSD	.3679	.2171	.3075
#1	1.301	5.332	1.852
#2	1.301	5.314	1.842
#3	1.309	5.336	1.843

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6031.2**	**101480.**	**17177.**	**3067.0**
Stddev	15.8	140.	227.	7.4
%RSD	.26141	.13843	1.3211	.24071
#1	6022.3	101370.	17348.	3064.5
#2	6049.4	101410.	17263.	3075.3
#3	6021.9	101640.	16920.	3061.2

Zoom In Zoom Out

Sample Name: JE21274-7 Acquired: 10/20/2025 9:51:26 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0015**	**41.21**	**.0854**	**.3574**	**.7732**	**.0038**	**-.0074**	F **215.9**	**.0071**
Stddev	.0002	.14	.0014	.0005	.0032	.0000	.0007	1.9	.0003
%RSD	15.26	.3300	1.619	.1498	.4174	.5395	9.268	.8740	3.781
#1	.0017	41.35	.0842	.3570	.7768	.0038	-.0082	217.8	.0069
#2	.0012	41.21	.0850	.3573	.7721	.0038	-.0070	215.9	.0071
#3	.0015	41.07	.0869	.3580	.7707	.0038	-.0071	214.0	.0074

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2987**	**.0531**	**.1309**	**1.922**	**146.8**	**5.424**	**.0512**	**79.04**	**2.657**
Stddev	.0023	.0006	.0005	.003	.4	.024	.0007	.36	.004
%RSD	.7821	1.100	.3679	.1404	.2990	.4377	1.328	.4605	.1358
#1	.2971	.0525	.1312	1.920	147.3	5.421	.0519	79.33	2.656
#2	.3013	.0530	.1311	1.925	146.8	5.449	.0510	79.15	2.661
#3	.2975	.0537	.1303	1.920	146.4	5.402	.0506	78.63	2.654

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0116**	**4.020**	**.1557**	**2.909**	**2.837**	**4.845**	**.0121**	**.0057**	**13.20**
Stddev	.0003	.004	.0011	.012	.010	.025	.0012	.0016	.11
%RSD	2.368	.1009	.6800	.3998	.3420	.5071	9.736	27.79	.8677
#1	.0113	4.021	.1552	2.896	2.836	4.818	.0130	.0062	13.09
#2	.0118	4.023	.1550	2.912	2.828	4.852	.0108	.0070	13.20
#3	.0118	4.015	.1570	2.918	2.848	4.865	.0126	.0039	13.32

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1897**	**.4206**	**2.210**	**.0026**	**.2206**	**.0078**	**2.737**	**.0277**
Stddev	.0017	.0012	.004	.0021	.0004	.0006	.010	.0002
%RSD	.8795	.2802	.1796	79.77	.1681	8.307	.3561	.5799
#1	.1879	.4218	2.210	.0046	.2209	.0084	2.732	.0278
#2	.1902	.4206	2.214	.0027	.2209	.0077	2.730	.0279
#3	.1911	.4194	2.206	.0005	.2202	.0071	2.748	.0276

Zoom In Zoom Out

Sample Name: JE21274-7 Acquired: 10/20/2025 9:51:26 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6106.8**	**101850.**	**17178.**	**3095.7**
Stddev	20.7	228.	142.	9.8
%RSD	.33954	.22396	.82746	.31621
#1	6117.2	101930.	17149.	3103.1
#2	6120.3	101590.	17052.	3099.4
#3	6082.9	102030.	17332.	3084.6

Zoom In Zoom Out

Sample Name: MP58070-SD1 Acquired: 10/20/2025 9:56:19 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0026**	**41.55**	**.0910**	**.3810**	**.7855**	**.0034**	**-.0115**	**223.4**	**.0069**
Stddev	.0006	.09	.0073	.0063	.0016	.0003	.0040	.3	.0006
%RSD	23.49	.2207	7.986	1.666	.2008	7.452	34.63	.1511	8.436
#1	.0033	41.66	.0895	.3739	.7862	.0032	-.0084	223.7	.0064
#2	.0026	41.49	.0989	.3863	.7837	.0035	-.0160	223.0	.0075
#3	.0020	41.52	.0846	.3827	.7867	.0037	-.0101	223.4	.0069

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3015**	**.0528**	**.1390**	**1.785**	**153.3**	**5.511**	**.0525**	**81.68**	**2.746**
Stddev	.0051	.0010	.0016	.005	.3	.266	.0013	.13	.007
%RSD	1.677	1.837	1.126	.2903	.1776	4.817	2.496	.1584	.2630
#1	.3064	.0537	.1406	1.788	153.5	5.818	.0522	81.79	2.754
#2	.2963	.0518	.1389	1.788	153.3	5.365	.0513	81.54	2.740
#3	.3018	.0529	.1375	1.779	153.0	5.351	.0539	81.71	2.746

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0106**	**3.985**	**.1623**	**2.980**	**2.919**	**4.884**	**.0057**	**.0034**	**13.36**
Stddev	.0023	.018	.0025	.043	.050	.069	.0105	.0185	.26
%RSD	21.42	.4616	1.514	1.441	1.703	1.404	183.8	546.0	1.909
#1	.0117	3.969	.1601	2.955	2.900	4.823	-.0017	-.0018	13.21
#2	.0080	4.005	.1618	2.956	2.882	4.871	.0177	-.0119	13.22
#3	.0121	3.980	.1650	3.030	2.976	4.958	.0012	.0239	13.66

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1866**	**.4304**	**2.211**	**-.0069**	**.2270**	**.0083**	**2.949**	**.0288**
Stddev	.0102	.0007	.008	.0061	.0004	.0050	.053	.0006
%RSD	5.443	.1634	.3651	88.59	.1581	59.39	1.806	2.002
#1	.1792	.4312	2.220	-.0086	.2272	.0126	2.921	.0284
#2	.1823	.4301	2.208	-.0120	.2272	.0029	2.916	.0285
#3	.1981	.4298	2.205	-.0001	.2266	.0096	3.011	.0294

Zoom In Zoom Out

Sample Name: MP58070-SD1 Acquired: 10/20/2025 9:56:19 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6138.6**	**101010.**	**16870.**	**3100.6**
Stddev	79.2	363.	53.	37.4
%RSD	1.2908	.35953	.31347	1.2067
#1	6181.0	100590.	16810.	3120.3
#2	6187.5	101240.	16909.	3124.1
#3	6047.1	101200.	16891.	3057.5

Zoom In Zoom Out

Sample Name: MP58070-PS1 Acquired: 10/20/2025 10:01:08 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2495**	**63.95**	**1.890**	**2.198**	**2.515**	**1.867**	**-.0129**	F **232.3**
Stddev	.0053	.48	.033	.033	.017	.019	.0012	5.6
%RSD	2.126	.7553	1.718	1.491	.6777	1.030	9.077	2.414
#1	.2528	63.74	1.928	2.235	2.506	1.861	-.0115	228.9
#2	.2522	64.50	1.872	2.181	2.535	1.889	-.0135	238.8
#3	.2434	63.61	1.871	2.176	2.504	1.852	-.0136	229.3

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.902**	**.2923**	**1.919**	**1.904**	**3.691**	**164.4**	**29.01**	**.0508**
Stddev	.028	.0081	.028	.041	.093	1.6	.21	.0008
%RSD	1.481	2.777	1.439	2.168	2.510	.9644	.7220	1.598
#1	1.935	.2971	1.951	1.934	3.739	163.8	28.85	.0511
#2	1.887	.2968	1.902	1.921	3.751	166.2	29.24	.0515
#3	1.885	.2829	1.904	1.857	3.585	163.1	28.93	.0499

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**99.25**	**4.404**	**1.882**	**27.88**	**2.009**	**2.831**	**4.575**	**4.713**
Stddev	1.29	.052	.026	.16	.028	.043	.067	.073
%RSD	1.304	1.182	1.381	.5768	1.400	1.505	1.456	1.546
#1	98.86	4.362	1.912	27.80	2.042	2.880	4.652	4.797
#2	100.7	4.388	1.869	28.06	1.990	2.808	4.534	4.680
#3	98.19	4.462	1.866	27.77	1.996	2.805	4.540	4.663

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.902**	**1.840**	**13.24**	**2.056**	**2.249**	**3.944**	W **1.841**	**1.992**
Stddev	.025	.027	.21	.030	.016	.087	.027	.043
%RSD	1.339	1.450	1.602	1.442	.6928	2.213	1.456	2.155
#1	1.931	1.871	13.49	2.090	2.241	4.003	1.872	2.020
#2	1.892	1.823	13.12	2.038	2.267	3.984	1.826	2.013
#3	1.884	1.826	13.12	2.039	2.239	3.844	1.825	1.942

Zoom In Zoom Out

Sample Name: MP58070-PS1 Acquired: 10/20/2025 10:01:08 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**1.753**	**4.404**	**1.872**
Stddev	.018	.063	.045
%RSD	1.045	1.428	2.385
#1	1.774	4.476	1.899
#2	1.744	4.360	1.896
#3	1.741	4.376	1.820

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6073.8**	**102270.**	**17097.**	**3059.7**
Stddev	72.6	2080.	244.	37.5
%RSD	1.1946	2.0337	1.4285	1.2245
#1	5991.9	100650.	17178.	3017.0
#2	6130.2	101530.	16823.	3087.3
#3	6099.2	104610.	17291.	3074.8

Zoom In Zoom Out

Sample Name: JE21274-8 Acquired: 10/20/2025 10:05:58 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0010**	**43.77**	**.1022**	**.3334**	**1.195**	**.0045**	**-.0070**	**110.4**	**.0078**
Stddev	.0002	.09	.0027	.0004	.002	.0000	.0014	.3	.0002
%RSD	23.46	.1988	2.605	.1289	.1993	.7136	19.75	.2673	2.950
#1	.0007	43.71	.1035	.3332	1.192	.0045	-.0081	110.0	.0077
#2	.0012	43.87	.0991	.3331	1.197	.0046	-.0076	110.6	.0076
#3	.0011	43.74	.1039	.3339	1.194	.0045	-.0054	110.5	.0080

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3555**	**.0553**	**.1216**	**.8329**	**139.3**	**5.915**	**.0590**	**38.38**	**2.413**
Stddev	.0004	.0002	.0004	.0011	.2	.021	.0013	.18	.004
%RSD	.1070	.3630	.3157	.1307	.1300	.3621	2.204	.4793	.1439
#1	.3559	.0555	.1217	.8319	139.1	5.939	.0583	38.17	2.414
#2	.3552	.0551	.1212	.8327	139.5	5.900	.0605	38.50	2.409
#3	.3553	.0554	.1220	.8341	139.3	5.906	.0583	38.48	2.415

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0093**	**3.753**	**.1726**	**3.186**	**3.407**	**3.010**	**.0264**	**.0077**	**6.580**
Stddev	.0003	.010	.0010	.008	.009	.018	.0024	.0031	.006
%RSD	2.745	.2697	.5557	.2496	.2593	.5927	9.211	39.62	.0955
#1	.0096	3.752	.1723	3.185	3.408	3.013	.0276	.0111	6.578
#2	.0093	3.763	.1718	3.179	3.398	2.990	.0280	.0052	6.575
#3	.0091	3.743	.1737	3.194	3.416	3.026	.0236	.0068	6.587

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1497**	**.3668**	**2.490**	**.0017**	**.2465**	**.0285**	**2.106**	**.0362**
Stddev	.0007	.0011	.002	.0021	.0002	.0037	.005	.0003
%RSD	.4847	.2909	.0659	122.2	.0658	12.83	.2382	.8392
#1	.1489	.3656	2.488	-.0006	.2466	.0321	2.108	.0359
#2	.1501	.3674	2.490	.0034	.2463	.0288	2.100	.0365
#3	.1502	.3674	2.492	.0022	.2465	.0247	2.109	.0360

Zoom In Zoom Out

Sample Name: JE21274-8 Acquired: 10/20/2025 10:05:58 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6150.3**	**103870.**	**17699.**	**3153.1**
Stddev	19.1	134.	67.	10.2
%RSD	.31055	.12942	.37625	.32308
#1	6152.1	103720.	17708.	3156.4
#2	6168.4	103990.	17629.	3161.2
#3	6130.4	103900.	17762.	3141.6

Zoom In Zoom Out

Sample Name: CCV Acquired: 10/20/2025 10:10:42 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2485**	**39.84**	**1.967**	**2.016**	**1.956**	**2.071**	**2.010**	**41.07**	**2.064**
Stddev	.0008	.12	.002	.011	.006	.007	.010	.19	.005
%RSD	.3125	.3103	.1221	.5456	.3015	.3643	.5197	.4587	.2519
#1	.2479	39.99	1.964	2.004	1.959	2.080	1.998	41.28	2.058
#2	.2483	39.76	1.968	2.019	1.949	2.065	2.014	40.98	2.067
#3	.2494	39.78	1.969	2.026	1.959	2.069	2.017	40.93	2.067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.007**	**2.079**	**2.044**	**1.940**	**40.48**	**39.67**	**2.007**	**39.88**	**2.088**
Stddev	.007	.000	.005	.005	.14	.16	.006	.17	.005
%RSD	.3273	.0180	.2478	.2457	.3567	.4072	.2777	.4140	.2293
#1	2.012	2.079	2.048	1.944	40.63	39.85	2.010	40.07	2.092
#2	2.009	2.079	2.038	1.942	40.46	39.60	2.001	39.79	2.083
#3	1.999	2.079	2.046	1.935	40.35	39.55	2.010	39.77	2.089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.051**	**40.00**	**2.080**	**2.044**	**2.066**	**2.041**	**2.025**	**2.033**	**5.113**
Stddev	.005	.12	.004	.011	.007	.015	.007	.013	.025
%RSD	.2414	.3099	.2026	.5356	.3309	.7200	.3457	.6388	.4881
#1	2.045	40.15	2.085	2.031	2.070	2.025	2.018	2.018	5.085
#2	2.054	39.92	2.077	2.051	2.071	2.043	2.026	2.038	5.127
#3	2.054	39.95	2.077	2.049	2.058	2.054	2.032	2.042	5.129
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

15.2
15

Zoom In Zoom Out

Sample Name: CCV Acquired: 10/20/2025 10:10:42 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.058**	**2.060**	**2.017**	**2.042**	**2.020**	**2.048**	**2.081**	**2.035**
Stddev	.001	.006	.004	.005	.004	.005	.005	.003
%RSD	.0496	.2711	.2240	.2339	.2005	.2333	.2399	.1546
#1	2.059	2.066	2.021	2.037	2.023	2.043	2.086	2.038
#2	2.057	2.055	2.012	2.046	2.016	2.051	2.081	2.034
#3	2.057	2.059	2.018	2.042	2.022	2.052	2.077	2.032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6131.0**	**99994.**	**16687.**	**3067.2**
Stddev	14.6	766.	78.	9.8
%RSD	.23809	.76601	.46792	.31873
#1	6130.9	99333.	16599.	3074.8
#2	6145.6	100830.	16711.	3070.6
#3	6116.4	99815.	16749.	3056.2

Zoom In Zoom Out

Sample Name: CCB Acquired: 10/20/2025 10:15:14 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**-.0057**	**-.0016**	**.0052**	**-.0001**	**.0001**	**-.0000**	**.0040**	**.0004**
Stddev	.0002	.0071	.0012	.0008	.0001	.0000	.0019	.0034	.0003
%RSD	68.28	124.5	71.18	16.32	107.9	1.729	8123.	85.16	73.03
#1	-.0004	-.0014	-.0025	.0061	-.0000	.0001	.0017	.0006	.0006
#2	-.0002	-.0018	-.0003	.0048	-.0002	.0001	-.0021	.0040	.0005
#3	-.0001	-.0140	-.0021	.0045	-.0000	.0001	.0003	.0073	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0045**	**.0005**	**.0005**	**.0011**	**.0023**	**-.0172**	**-.0003**	**-.0109**	**.0003**
Stddev	.0015	.0003	.0002	.0003	.0024	.0201	.0010	.0086	.0002
%RSD	33.87	70.79	51.56	25.51	104.0	116.6	347.5	78.76	47.99
#1	.0055	.0005	.0005	.0008	.0049	.0046	.0003	-.0020	.0001
#2	.0027	.0008	.0002	.0014	.0003	-.0348	.0002	-.0116	.0004
#3	.0052	.0001	.0007	.0013	.0016	-.0215	-.0014	-.0192	.0004
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**-.0069**	**.0006**	**.0005**	**.0006**	**.0003**	**-.0010**	**-.0011**	**.0098**
Stddev	.0003	.0050	.0001	.0016	.0005	.0016	.0011	.0004	.0008
%RSD	54.87	72.80	15.77	344.5	89.30	527.4	104.4	37.40	8.283
#1	.0008	-.0011	.0006	.0023	.0011	.0000	-.0013	-.0007	.0107
#2	.0007	-.0095	.0005	-.0003	.0006	.0020	-.0019	-.0015	.0091
#3	.0002	-.0100	.0007	-.0006	.0000	-.0012	.0002	-.0009	.0096
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: CCB Acquired: 10/20/2025 10:15:14 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0001**	**.0005**	**-.0004**	**.0003**	**.0052**	**.0004**	**.0003**
Stddev	.0014	.0001	.0002	.0014	.0003	.0009	.0001	.0001
%RSD	765.0	72.05	37.19	305.0	73.71	16.85	15.57	44.47
#1	.0005	.0001	.0005	-.0006	.0002	.0060	.0004	.0002
#2	.0014	.0000	.0007	.0010	.0002	.0055	.0004	.0004
#3	-.0013	.0002	.0003	-.0017	.0006	.0043	.0003	.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6141.1**	**100700.**	**16661.**	**3120.4**
Stddev	23.0	294.	43.	10.0
%RSD	.37414	.29200	.25713	.31995
#1	6162.6	100710.	16635.	3127.6
#2	6143.8	100980.	16638.	3124.7
#3	6116.9	100400.	16711.	3109.0

Zoom In Zoom Out

Sample Name: MP58091-MB1 Acquired: 10/20/2025 10:20:09 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**-.0034**	**-.0012**	**.1961**	**.0022**	**-.0001**	**.0005**	**.0201**	**-.0000**
Stddev	.0001	.0040	.0013	.0005	.0002	.0000	.0006	.0014	.0002
%RSD	23.58	119.9	109.1	.2356	7.501	11.84	118.7	6.841	472.2
#1	-.0002	-.0010	-.0018	.1961	.0023	-.0001	.0006	.0198	.0000
#2	-.0003	-.0011	.0003	.1957	.0020	-.0001	.0011	.0215	-.0003
#3	-.0002	-.0080	-.0021	.1966	.0022	-.0001	-.0001	.0188	.0001

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0029**	**-.0002**	**.0003**	**.0007**	**.0150**	**.0165**	**-.0002**	**-.0290**	**.0001**
Stddev	.0008	.0002	.0003	.0003	.0018	.0248	.0019	.0239	.0000
%RSD	28.25	83.89	109.4	48.74	12.13	150.4	1208.	82.44	76.36
#1	.0029	-.0001	.0006	.0011	.0163	.0242	.0021	-.0022	.0001
#2	.0036	-.0001	.0001	.0005	.0158	.0365	-.0012	-.0480	.0000
#3	.0020	-.0004	.0001	.0005	.0129	-.0112	-.0014	-.0367	.0001

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**.0211**	**-.0001**	**.0079**	**-.0001**	**.0135**	**.0006**	**-.0008**	**2.285**
Stddev	.0001	.0043	.0003	.0013	.0007	.0049	.0011	.0011	.005
%RSD	74.02	20.49	484.8	15.99	917.8	36.38	189.3	134.5	.2197
#1	-.0003	.0217	-.0004	.0075	-.0009	.0190	-.0002	-.0000	2.281
#2	-.0000	.0165	.0000	.0069	.0002	.0093	.0000	-.0020	2.284
#3	-.0003	.0250	.0001	.0093	.0005	.0123	.0019	-.0003	2.291

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0001**	**.0002**	**-.0010**	**-.0000**	**.0054**	**.0015**	**.0000**
Stddev	.0008	.0000	.0002	.0009	.0002	.0005	.0002	.0001
%RSD	834.5	5.788	74.11	90.16	440.0	9.342	14.78	628.0
#1	-.0008	-.0001	.0001	-.0021	-.0001	.0055	.0012	-.0000
#2	.0007	-.0002	.0001	-.0005	.0002	.0058	.0014	-.0001
#3	.0004	-.0001	.0004	-.0004	-.0002	.0048	.0017	.0001

Zoom In Zoom Out

Sample Name: MP58091-MB1 Acquired: 10/20/2025 10:20:09 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6153.8**	**100090.**	**16631.**	**3122.7**
Stddev	18.8	524.	48.	8.8
%RSD	.30556	.52354	.28618	.28314
#1	6134.5	99526.	16676.	3113.4
#2	6172.0	100170.	16581.	3131.0
#3	6154.9	100560.	16636.	3123.5

Zoom In Zoom Out

Sample Name: MP58091-LB1 Acquired: 10/20/2025 10:25:03 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**-.0027**	**.0049**	**.1204**	**.0103**	**-.0001**	**-.0026**	**1.989**	**-.0000**
Stddev	.0002	.0118	.0030	.0014	.0002	.0000	.0001	.015	.0001
%RSD	80.69	433.8	62.44	1.155	2.231	16.51	5.639	.7448	576.0
#1	.0003	.0083	.0081	.1189	.0104	-.0001	-.0026	2.006	.0000
#2	.0000	-.0012	.0043	.1216	.0101	-.0001	-.0028	1.983	-.0001
#3	.0004	-.0152	.0021	.1208	.0105	-.0001	-.0025	1.978	.0001

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0021**	**-.0003**	**.0012**	**.0023**	**.0240**	**.3196**	**.0059**	**.0429**	**.0055**
Stddev	.0019	.0000	.0002	.0001	.0007	.0267	.0004	.0157	.0000
%RSD	91.96	12.39	16.51	3.112	2.820	8.341	7.096	36.63	.3432
#1	-.0000	-.0003	.0012	.0023	.0236	.3023	.0055	.0330	.0055
#2	-.0038	-.0004	.0010	.0022	.0248	.3062	.0063	.0610	.0055
#3	-.0024	-.0003	.0014	.0023	.0236	.3503	.0059	.0347	.0055

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	F **1274.**	**.0020**	**.0265**	**-.0004**	**.0783**	**-.0015**	**.0051**	F **42.43**
Stddev	.0001	16.	.0001	.0007	.0003	.0044	.0008	.0026	.25
%RSD	37.03	1.253	4.605	2.641	76.99	5.599	53.61	51.30	.5906
#1	-.0001	1290.	.0019	.0257	-.0004	.0797	-.0018	.0047	42.19
#2	-.0003	1258.	.0021	.0265	-.0008	.0817	-.0020	.0027	42.43
#3	-.0002	1274.	.0021	.0271	-.0001	.0733	-.0006	.0079	42.69

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007**	**.0165**	**-.0012**	**-.0049**	**-.0001**	**-.0026**	**.4146**	**-.0015**
Stddev	.0004	.0001	.0002	.0020	.0004	.0009	.0011	.0001
%RSD	52.07	.4378	13.66	40.92	683.3	33.37	.2767	9.360
#1	.0005	.0166	-.0011	-.0026	.0003	-.0034	.4134	-.0017
#2	.0004	.0164	-.0011	-.0058	-.0004	-.0017	.4147	-.0014
#3	.0011	.0165	-.0014	-.0064	-.0001	-.0026	.4156	-.0015

Zoom In Zoom Out

Sample Name: MP58091-LB1 Acquired: 10/20/2025 10:25:03 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5832.8**	**100210.**	**16406.**	**3022.0**
Stddev	15.4	329.	276.	11.5
%RSD	.26434	.32798	1.6795	.38165
#1	5847.6	100090.	16091.	3034.3
#2	5834.1	99959.	16606.	3020.1
#3	5816.8	100580.	16520.	3011.5

Zoom In Zoom Out

Sample Name: MP58091-B1 Acquired: 10/20/2025 10:30:03 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2435**	**23.51**	**1.808**	**2.047**	**1.795**	**1.946**	**-.0088**	**24.43**
Stddev	.0004	.08	.007	.010	.010	.010	.0005	.13
%RSD	.1539	.3441	.3740	.5031	.5449	.5137	5.774	.5160
#1	.2439	23.45	1.810	2.045	1.784	1.938	-.0088	24.36
#2	.2434	23.48	1.800	2.037	1.796	1.942	-.0093	24.36
#3	.2432	23.60	1.814	2.058	1.804	1.957	-.0083	24.58

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.907**	**.0099**	**1.939**	**1.901**	**1.794**	**24.02**	**23.28**	**-.0032**
Stddev	.007	.0031	.006	.001	.008	.09	.06	.0011
%RSD	.3476	31.03	.3255	.0495	.4275	.3770	.2656	33.87
#1	1.905	.0086	1.938	1.901	1.802	23.97	23.24	-.0019
#2	1.902	.0078	1.934	1.901	1.789	23.98	23.25	-.0036
#3	1.915	.0135	1.946	1.902	1.789	24.13	23.35	-.0039

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.28**	**1.936**	**1.930**	**23.65**	**1.939**	**-.0005**	**1.918**	**-.0044**
Stddev	.22	.003	.006	.05	.005	.0013	.005	.0050
%RSD	.9546	.1696	.3303	.2106	.2661	282.8	.2689	113.4
#1	23.07	1.940	1.929	23.61	1.937	.0009	1.915	-.0018
#2	23.25	1.935	1.924	23.63	1.935	-.0006	1.914	-.0012
#3	23.51	1.934	1.937	23.70	1.945	-.0017	1.923	-.0101

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.889**	**1.867**	**2.094**	**1.933**	**1.904**	**1.903**	W **1.880**	**1.875**
Stddev	.006	.008	.009	.006	.008	.001	.006	.002
%RSD	.2959	.4174	.4264	.3152	.3978	.0574	.3239	.1110
#1	1.892	1.871	2.097	1.931	1.897	1.904	1.876	1.877
#2	1.883	1.858	2.084	1.927	1.905	1.901	1.877	1.873
#3	1.894	1.871	2.101	1.939	1.912	1.903	1.887	1.875

Zoom In Zoom Out

Sample Name: MP58091-B1 Acquired: 10/20/2025 10:30:03 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**1.882**	**1.934**	**1.919**
Stddev	.002	.005	.004
%RSD	.1102	.2413	.2255
#1	1.880	1.930	1.924
#2	1.880	1.933	1.916
#3	1.884	1.939	1.916

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6168.3**	**101050.**	**16832.**	**3091.7**
Stddev	8.2	263.	45.	3.9
%RSD	.13262	.26029	.26962	.12465
#1	6165.4	100950.	16872.	3089.5
#2	6177.5	101340.	16841.	3096.1
#3	6161.9	100850.	16783.	3089.5

Zoom In Zoom Out

Sample Name: MP58091-LS1 Acquired: 10/20/2025 10:34:39 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2599**	**23.91**	**1.878**	**2.035**	**1.816**	**1.979**	**-.0094**	**26.43**
Stddev	.0008	.03	.005	.005	.003	.001	.0006	.07
%RSD	.3206	.1454	.2658	.2650	.1748	.0724	6.393	.2770
#1	.2599	23.87	1.873	2.038	1.815	1.978	-.0087	26.40
#2	.2608	23.92	1.878	2.029	1.819	1.981	-.0099	26.39
#3	.2592	23.94	1.883	2.038	1.813	1.979	-.0097	26.52

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.978**	**.0099**	**1.970**	**1.853**	**1.926**	**24.18**	**24.80**	**.0053**
Stddev	.005	.0008	.005	.006	.006	.07	.02	.0005
%RSD	.2385	7.646	.2415	.3155	.3143	.3071	.0972	10.20
#1	1.976	.0104	1.967	1.854	1.919	24.14	24.83	.0047
#2	1.975	.0090	1.967	1.859	1.930	24.12	24.79	.0056
#3	1.984	.0102	1.976	1.847	1.929	24.26	24.78	.0057

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.24**	**1.904**	**1.906**	F **1293.**	**1.956**	**.0217**	**1.950**	**.0532**
Stddev	.11	.004	.004	11.	.004	.0010	.009	.0028
%RSD	.4755	.2130	.2000	.8610	.2247	4.613	.4438	5.354
#1	23.15	1.900	1.904	1301.	1.956	.0227	1.944	.0537
#2	23.21	1.908	1.903	1298.	1.952	.0207	1.947	.0557
#3	23.36	1.904	1.910	1280.	1.960	.0217	1.960	.0501

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.927**	**2.007**	F **42.29**	**1.909**	**1.933**	**1.888**	W **1.933**	**1.854**
Stddev	.005	.003	.06	.004	.002	.005	.004	.004
%RSD	.2641	.1295	.1467	.2025	.1003	.2831	.2273	.2193
#1	1.927	2.009	42.28	1.908	1.933	1.890	1.935	1.855
#2	1.922	2.004	42.24	1.906	1.935	1.891	1.927	1.858
#3	1.932	2.008	42.36	1.914	1.931	1.882	1.935	1.850

Zoom In Zoom Out

Sample Name: MP58091-LS1 Acquired: 10/20/2025 10:34:39 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**1.873**	**2.290**	**1.935**
Stddev	.005	.005	.004
%RSD	.2762	.2396	.1836
#1	1.871	2.286	1.931
#2	1.869	2.287	1.937
#3	1.879	2.296	1.937

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5825.3**	**100100.**	**16633.**	**3022.5**
Stddev	11.9	324.	148.	5.7
%RSD	.20388	.32332	.89171	.18988
#1	5832.7	100220.	16705.	3026.1
#2	5831.7	99732.	16733.	3025.5
#3	5811.6	100350.	16463.	3015.9

Zoom In Zoom Out

Sample Name: MP58091-S1 Acquired: 10/20/2025 10:39:23 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: RUSH 10/20

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2587**	**23.88**	**1.895**	**2.082**	**2.159**	**1.981**	**-.0093**	**30.59**
Stddev	.0011	.02	.047	.054	.004	.007	.0022	.10
%RSD	.4313	.0925	2.456	2.605	.1709	.3658	23.60	.3413
#1	.2577	23.86	1.877	2.059	2.155	1.978	-.0078	30.62
#2	.2599	23.90	1.861	2.042	2.161	1.976	-.0119	30.47
#3	.2586	23.87	1.948	2.143	2.161	1.989	-.0083	30.68

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.996**	**.0235**	**2.004**	**1.848**	**1.935**	**24.15**	**25.36**	**.0047**
Stddev	.052	.0009	.049	.005	.009	.05	.05	.0015
%RSD	2.615	3.822	2.426	.2626	.4852	.2224	.1797	32.56
#1	1.977	.0225	1.984	1.843	1.935	24.21	25.36	.0064
#2	1.956	.0238	1.968	1.847	1.945	24.11	25.40	.0034
#3	2.055	.0242	2.059	1.853	1.926	24.13	25.31	.0043

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.77**	**2.831**	**1.930**	F **1128.**	**1.980**	**-.0015**	**1.980**	**1.057**
Stddev	.13	.004	.050	11.	.047	.0005	.050	.028
%RSD	.5091	.1462	2.608	.9682	2.348	32.92	2.539	2.667
#1	24.88	2.827	1.911	1118.	1.963	-.0009	1.960	1.042
#2	24.63	2.832	1.892	1140.	1.945	-.0019	1.943	1.040
#3	24.79	2.835	1.987	1125.	2.033	-.0017	2.037	1.090

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.954**	**2.005**	F **37.09**	**1.930**	**1.967**	**1.883**	W **1.964**	**1.852**
Stddev	.053	.055	.94	.053	.005	.004	.046	.004
%RSD	2.697	2.717	2.539	2.733	.2554	.1906	2.364	.2344
#1	1.934	1.983	36.71	1.910	1.962	1.879	1.945	1.847
#2	1.914	1.965	36.40	1.891	1.967	1.885	1.931	1.852
#3	2.013	2.067	38.17	1.990	1.972	1.885	2.017	1.855

Zoom In Zoom Out

Sample Name: MP58091-S1 Acquired: 10/20/2025 10:39:23 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: RUSH 10/20

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**1.903**	**2.055**	**1.938**
Stddev	.049	.053	.004
%RSD	2.553	2.587	.2118
#1	1.885	2.033	1.935
#2	1.866	2.017	1.943
#3	1.958	2.116	1.936

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5798.9**	**100160.**	**16588.**	**3002.2**
Stddev	115.0	327.	41.	64.6
%RSD	1.9828	.32658	.24654	2.1508
#1	5840.3	100410.	16544.	3025.0
#2	5887.4	100290.	16594.	3052.3
#3	5668.9	99791.	16625.	2929.4

Zoom In Zoom Out

Sample Name: MP58091-S2 Acquired: 10/20/2025 10:44:07 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: RUSH 10/20

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2567**	**23.52**	**1.840**	**2.039**	**2.151**	**1.948**	**-.0082**	**30.44**
Stddev	.0041	.06	.010	.005	.006	.003	.0010	.12
%RSD	1.596	.2635	.5447	.2521	.2723	.1666	12.26	.4030
#1	.2559	23.59	1.828	2.034	2.156	1.950	-.0074	30.53
#2	.2611	23.48	1.847	2.044	2.152	1.944	-.0079	30.30
#3	.2530	23.49	1.845	2.040	2.144	1.949	-.0093	30.48

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.955**	**.0235**	**1.962**	**1.828**	**1.905**	**23.85**	**25.11**	**.0055**
Stddev	.005	.0009	.005	.026	.039	.07	.07	.0006
%RSD	.2781	3.641	.2703	1.430	2.059	.2769	.2611	10.46
#1	1.949	.0227	1.957	1.819	1.897	23.92	25.15	.0061
#2	1.960	.0244	1.968	1.857	1.947	23.79	25.14	.0054
#3	1.956	.0232	1.961	1.807	1.870	23.84	25.03	.0050

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.42**	**2.843**	**1.874**	F **1187.**	**1.938**	**.0000**	**1.938**	**1.104**
Stddev	.14	.041	.005	40.	.006	.0008	.005	.001
%RSD	.5788	1.442	.2499	3.335	.3024	2863.	.2634	.0960
#1	24.53	2.833	1.869	1224.	1.932	.0005	1.932	1.104
#2	24.26	2.888	1.879	1145.	1.943	-.0009	1.939	1.102
#3	24.46	2.808	1.875	1192.	1.940	.0005	1.942	1.104

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.901**	**1.974**	F **38.55**	**1.874**	**1.936**	**1.853**	W **1.918**	**1.830**
Stddev	.005	.004	.13	.008	.003	.031	.010	.027
%RSD	.2540	.1990	.3410	.4298	.1396	1.675	.5008	1.484
#1	1.895	1.971	38.41	1.865	1.935	1.845	1.907	1.821
#2	1.903	1.974	38.66	1.881	1.938	1.888	1.923	1.860
#3	1.905	1.979	38.59	1.876	1.933	1.828	1.923	1.808

Zoom In Zoom Out

Sample Name: MP58091-S2 Acquired: 10/20/2025 10:44:07 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: RUSH 10/20

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**1.843**	**2.015**	**1.897**
Stddev	.006	.005	.034
%RSD	.3497	.2311	1.774
#1	1.836	2.010	1.889
#2	1.843	2.019	1.934
#3	1.849	2.016	1.868

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5837.0**	**100780.**	**16754.**	**3028.8**
Stddev	9.8	912.	177.	4.5
%RSD	.16866	.90450	1.0581	.14799
#1	5846.1	101010.	16586.	3032.1
#2	5826.6	99781.	16939.	3023.7
#3	5838.2	101560.	16736.	3030.7

Zoom In Zoom Out

Sample Name: JE21185-16 Acquired: 10/20/2025 10:48:51 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: RUSH 10/20

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.1251**	**.0131**	**.2041**	**.3823**	**.0007**	**-.0024**	**6.853**	**.0015**
Stddev	.0005	.0014	.0033	.0002	.0003	.0001	.0003	.027	.0001
%RSD	299.3	1.086	25.10	.1005	.0863	8.044	10.80	.3877	4.368
#1	.0006	.1248	.0108	.2041	.3826	.0006	-.0024	6.827	.0015
#2	-.0004	.1266	.0169	.2043	.3822	.0007	-.0026	6.880	.0015
#3	.0004	.1239	.0117	.2039	.3820	.0007	-.0021	6.850	.0014

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0157**	**.0090**	**.0014**	**.0091**	**.3206**	**1.325**	**-.0013**	**1.785**	**1.022**
Stddev	.0017	.0002	.0002	.0003	.0015	.040	.0003	.027	.002
%RSD	11.08	1.757	15.91	2.899	.4586	2.996	23.50	1.494	.2347
#1	.0170	.0092	.0013	.0090	.3199	1.297	-.0011	1.755	1.020
#2	.0138	.0089	.0013	.0089	.3223	1.371	-.0012	1.802	1.024
#3	.0164	.0089	.0017	.0094	.3196	1.308	-.0017	1.799	1.024

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	F **1188.**	**.0049**	**-.0014**	**.0069**	**1.128**	**-.0026**	**.0039**	F **39.31**
Stddev	.0005	8.	.0001	.0011	.0005	.006	.0008	.0007	.17
%RSD	468.6	.6873	1.458	78.03	7.326	.5577	32.76	18.02	.4209
#1	-.0001	1185.	.0048	-.0025	.0071	1.124	-.0031	.0036	39.12
#2	.0004	1197.	.0048	-.0013	.0073	1.135	-.0029	.0034	39.43
#3	-.0005	1182.	.0049	-.0003	.0064	1.125	-.0016	.0047	39.39

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0009**	**.0485**	**.0006**	**-.0043**	**.0006**	**-.0041**	**.1552**	**-.0006**
Stddev	.0009	.0001	.0003	.0022	.0003	.0006	.0014	.0001
%RSD	102.1	.1298	47.24	49.97	47.16	13.70	.8948	12.55
#1	-.0002	.0484	.0009	-.0035	.0003	-.0041	.1538	-.0006
#2	.0014	.0485	.0004	-.0067	.0005	-.0035	.1565	-.0006
#3	.0015	.0485	.0005	-.0027	.0009	-.0046	.1554	-.0007

Zoom In Zoom Out

Sample Name: JE21185-16 Acquired: 10/20/2025 10:48:51 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: RUSH 10/20

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5843.5**	**100780.**	**16596.**	**3027.6**
Stddev	21.4	247.	215.	11.5
%RSD	.36688	.24488	1.2979	.37928
#1	5867.7	101020.	16761.	3040.4
#2	5836.3	100810.	16352.	3024.2
#3	5826.7	100530.	16674.	3018.2

Zoom In Zoom Out

Sample Name: MP58091-SD1 Acquired: 10/20/2025 10:53:52 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: RUSH 10/20

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0009**	**.2081**	**.0166**	**.2479**	**.3845**	**.0006**	**-.0044**	**7.103**	**.0010**
Stddev	.0018	.0166	.0098	.0021	.0069	.0003	.0067	.106	.0011
%RSD	193.0	7.980	59.44	.8342	1.791	48.09	152.0	1.485	107.2
#1	.0011	.1908	.0054	.2469	.3913	.0003	.0029	7.203	.0020
#2	.0026	.2239	.0241	.2502	.3845	.0009	-.0059	7.113	-.0001
#3	-.0009	.2098	.0201	.2464	.3776	.0007	-.0102	6.992	.0010

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0132**	**.0085**	**.0023**	**.0087**	**.3377**	**1.236**	**.0031**	**1.730**	**1.003**
Stddev	.0068	.0019	.0002	.0006	.0110	.047	.0034	.031	.007
%RSD	51.67	22.16	9.671	6.525	3.253	3.774	110.0	1.792	.7113
#1	.0113	.0070	.0022	.0080	.3457	1.254	.0016	1.753	1.010
#2	.0207	.0106	.0026	.0090	.3423	1.183	.0007	1.695	1.002
#3	.0075	.0079	.0022	.0091	.3252	1.271	.0070	1.743	.9963

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0003**	F **1279.**	**.0069**	**-.0032**	**.0093**	**1.065**	**-.0023**	**.0026**	**37.84**
Stddev	.0015	58.	.0014	.0043	.0050	.010	.0074	.0038	.07
%RSD	520.8	4.513	20.80	134.8	54.15	.9216	322.8	147.1	.1933
#1	-.0020	1344.	.0054	-.0067	.0110	1.067	.0035	-.0018	37.92
#2	.0008	1261.	.0071	.0016	.0132	1.055	.0002	.0049	37.80
#3	.0004	1233.	.0082	-.0045	.0036	1.074	-.0107	.0047	37.79

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0014**	**.0487**	**.0013**	**-.0030**	**.0010**	**-.0003**	**.1506**	**.0001**
Stddev	.0043	.0004	.0018	.0062	.0009	.0029	.0006	.0003
%RSD	304.1	.7370	139.0	209.2	88.46	939.1	.3697	627.5
#1	.0055	.0488	.0030	-.0038	.0004	-.0026	.1503	.0004
#2	-.0031	.0490	-.0005	.0036	.0020	-.0013	.1512	.0000
#3	.0019	.0483	.0014	-.0088	.0006	.0030	.1503	-.0002

Zoom In Zoom Out

Sample Name: MP58091-SD1 Acquired: 10/20/2025 10:53:52 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: RUSH 10/20

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6128.4**	**102220.**	**16615.**	**3109.5**
Stddev	22.0	544.	92.	8.9
%RSD	.35863	.53201	.55071	.28576
#1	6153.6	101700.	16547.	3119.7
#2	6112.9	102170.	16580.	3105.4
#3	6118.8	102780.	16719.	3103.4

Zoom In Zoom Out

Sample Name: JE20567-1R Acquired: 10/20/2025 10:58:53 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: RUSH 10/20

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.6304**	**.0110**	**.4194**	**.5097**	**.0000**	**-.0013**	**107.8**	**.0085**
Stddev	.0002	.0070	.0004	.0028	.0017	.0000	.0004	.3	.0001
%RSD	209.6	1.109	3.295	.6725	.3379	137.9	29.45	.2774	1.685
#1	-.0003	.6265	.0110	.4161	.5115	.0000	-.0010	108.1	.0084
#2	.0002	.6263	.0114	.4208	.5095	.0000	-.0018	107.5	.0084
#3	-.0002	.6385	.0107	.4212	.5081	-.0000	-.0012	107.8	.0087

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0084**	**.0128**	**.0018**	**.0808**	**.1489**	**4.052**	**.0139**	**5.310**	**.7798**
Stddev	.0019	.0002	.0000	.0002	.0014	.023	.0009	.043	.0021
%RSD	22.62	1.360	.8368	.2151	.9365	.5668	6.393	.8104	.2735
#1	.0088	.0126	.0018	.0809	.1482	4.035	.0148	5.314	.7801
#2	.0100	.0129	.0018	.0806	.1480	4.078	.0131	5.265	.7775
#3	.0063	.0128	.0018	.0808	.1505	4.043	.0138	5.351	.7817

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	F **1121.**	**.0270**	**.1265**	**1.100**	**9.157**	**.0011**	**-.0018**	F **42.45**
Stddev	.0003	6.	.0004	.0024	.005	.034	.0010	.0020	.25
%RSD	131.4	.5056	1.399	1.910	.4479	.3746	92.38	110.9	.5915
#1	-.0000	1119.	.0271	.1238	1.096	9.119	.0005	.0003	42.17
#2	.0002	1117.	.0265	.1278	1.100	9.168	.0005	-.0020	42.55
#3	.0006	1127.	.0273	.1281	1.105	9.186	.0022	-.0037	42.64

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.3628**	**.0007**	**-.0047**	**.0018**	**-.0061**	**2.758**	**-.0011**
Stddev	.0013	.0010	.0004	.0008	.0001	.0013	.006	.0002
%RSD	560.9	.2730	55.83	17.02	7.054	21.41	.2044	14.30
#1	-.0001	.3640	.0012	-.0054	.0018	-.0065	2.751	-.0012
#2	.0016	.3622	.0006	-.0039	.0017	-.0072	2.760	-.0012
#3	-.0008	.3623	.0004	-.0049	.0020	-.0047	2.762	-.0009

Zoom In Zoom Out

Sample Name: JE20567-1R Acquired: 10/20/2025 10:58:53 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: RUSH 10/20

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5753.8**	**100060.**	**16580.**	**2968.7**
Stddev	21.2	171.	17.	13.3
%RSD	.36836	.17127	.09988	.44697
#1	5771.2	99884.	16592.	2981.0
#2	5760.0	100230.	16587.	2970.5
#3	5730.2	100060.	16561.	2954.7

Zoom In Zoom Out

Sample Name: JE21185-15 Acquired: 10/20/2025 11:03:50 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: RUSH 10/20

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**.1006**	**.0079**	**.2267**	**.2210**	**.0002**	**-.0023**	**35.82**	**-.0002**
Stddev	.0001	.0065	.0012	.0041	.0005	.0000	.0003	.18	.0000
%RSD	959.2	6.493	15.86	1.816	.2350	20.98	14.80	.5026	22.52
#1	-.0001	.1044	.0064	.2307	.2205	.0002	-.0019	35.99	-.0002
#2	.0001	.0931	.0088	.2225	.2210	.0002	-.0024	35.84	-.0002
#3	-.0000	.1045	.0084	.2271	.2215	.0002	-.0025	35.63	-.0001

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0335**	**.0052**	**.0007**	**.0053**	**.1206**	**2.642**	**.0018**	**4.148**	**2.490**
Stddev	.0013	.0005	.0002	.0010	.0030	.017	.0008	.042	.074
%RSD	3.971	8.646	27.24	19.07	2.501	.6499	44.62	1.023	2.957
#1	.0326	.0056	.0009	.0049	.1237	2.662	.0018	4.175	2.471
#2	.0329	.0047	.0005	.0065	.1203	2.636	.0011	4.170	2.571
#3	.0350	.0053	.0008	.0045	.1177	2.629	.0027	4.099	2.427

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0005**	F **1289.**	**.0018**	**-.0025**	**.0068**	**1.059**	**-.0017**	**-.0046**	F **44.26**
Stddev	.0002	12.	.0004	.0002	.0007	.023	.0006	.0014	1.00
%RSD	38.24	.9397	22.34	8.584	10.85	2.146	35.36	30.23	2.250
#1	-.0006	1277.	.0023	-.0025	.0063	1.083	-.0013	-.0054	45.32
#2	-.0006	1301.	.0015	-.0027	.0076	1.038	-.0014	-.0055	43.35
#3	-.0003	1287.	.0017	-.0023	.0064	1.055	-.0024	-.0030	44.10

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0014**	**.1633**	**-.0005**	**-.0068**	**.0007**	**-.0057**	**.2034**	**-.0006**
Stddev	.0013	.0004	.0003	.0031	.0003	.0001	.0054	.0001
%RSD	91.93	.2756	64.58	46.22	49.49	1.575	2.634	15.60
#1	-.0001	.1633	-.0009	-.0032	.0010	-.0057	.2088	-.0005
#2	.0024	.1629	-.0005	-.0091	.0004	-.0058	.1981	-.0007
#3	.0018	.1638	-.0002	-.0080	.0006	-.0056	.2033	-.0006

Zoom In Zoom Out

Sample Name: JE21185-15 Acquired: 10/20/2025 11:03:50 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: RUSH 10/20

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5693.9**	**99573.**	**16565.**	**2958.9**
Stddev	105.0	2254.	196.	58.1
%RSD	1.8432	2.2636	1.1832	1.9629
#1	5589.8	100310.	16404.	2901.0
#2	5799.7	97043.	16507.	3017.2
#3	5692.2	101370.	16783.	2958.5

Zoom In Zoom Out

Sample Name: CCV Acquired: 10/20/2025 11:08:50 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2481**	**39.92**	**1.949**	**2.014**	**1.940**	**2.072**	**2.014**	**41.23**	**2.061**
Stddev	.0005	.12	.013	.011	.011	.006	.006	.09	.005
%RSD	.2119	.3079	.6447	.5202	.5482	.2986	.2962	.2291	.2386
#1	.2486	40.01	1.948	2.012	1.952	2.079	2.016	41.26	2.058
#2	.2479	39.96	1.937	2.004	1.939	2.070	2.007	41.30	2.058
#3	.2476	39.78	1.962	2.025	1.930	2.068	2.018	41.12	2.066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.998**	**2.084**	**2.032**	**1.936**	**40.63**	**39.78**	**1.990**	**39.69**	**2.071**
Stddev	.001	.004	.005	.002	.08	.13	.012	.11	.008
%RSD	.0674	.2098	.2432	.0960	.1860	.3338	.6104	.2736	.3912
#1	1.998	2.081	2.033	1.937	40.68	39.88	2.003	39.63	2.066
#2	2.000	2.082	2.037	1.934	40.68	39.83	1.989	39.82	2.081
#3	1.997	2.089	2.027	1.937	40.55	39.63	1.979	39.62	2.067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.047**	**40.21**	**2.080**	**2.050**	**2.063**	**2.045**	**2.022**	**2.036**	**5.148**
Stddev	.007	.15	.004	.008	.005	.007	.012	.007	.013
%RSD	.3279	.3647	.1974	.4077	.2537	.3492	.6137	.3694	.2461
#1	2.042	40.36	2.076	2.043	2.060	2.042	2.014	2.035	5.148
#2	2.043	40.20	2.078	2.048	2.061	2.040	2.016	2.029	5.135
#3	2.054	40.07	2.084	2.060	2.069	2.053	2.036	2.044	5.160
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

15.2

15

Zoom In Zoom Out

Sample Name: CCV Acquired: 10/20/2025 11:08:50 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.054**	**2.062**	**2.017**	**2.039**	**2.013**	**2.027**	**2.076**	**2.026**
Stddev	.005	.006	.002	.010	.004	.011	.005	.005
%RSD	.2339	.3129	.0790	.5107	.1771	.5415	.2625	.2507
#1	2.052	2.069	2.018	2.034	2.011	2.020	2.072	2.021
#2	2.051	2.061	2.016	2.032	2.017	2.022	2.075	2.031
#3	2.060	2.056	2.015	2.051	2.011	2.040	2.082	2.026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6136.1**	**100950.**	**16540.**	**3077.1**
Stddev	10.2	390.	139.	5.4
%RSD	.16593	.38678	.84036	.17709
#1	6147.8	100940.	16637.	3083.2
#2	6129.1	100570.	16380.	3075.0
#3	6131.3	101350.	16602.	3072.9

Zoom In Zoom Out

Sample Name: CCB Acquired: 10/20/2025 11:13:22 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**-.0037**	**-.0003**	**.0049**	**-.0003**	**.0001**	**-.0001**	**.0037**	**-.0000**
Stddev	.0002	.0075	.0017	.0006	.0001	.0000	.0008	.0006	.0000
%RSD	78.33	205.4	617.0	13.04	31.32	18.46	706.9	15.69	294.7
#1	-.0003	.0045	.0006	.0043	-.0003	.0001	.0007	.0039	-.0000
#2	-.0000	-.0052	.0009	.0056	-.0003	.0001	-.0009	.0041	-.0001
#3	-.0004	-.0103	-.0023	.0048	-.0002	.0001	-.0001	.0030	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0007**	**.0001**	**.0002**	**.0007**	**.0014**	**.0220**	**-.0029**	**-.0139**	**.0001**
Stddev	.0028	.0002	.0001	.0002	.0017	.0310	.0006	.0037	.0001
%RSD	409.7	354.2	34.97	25.04	126.8	141.1	22.13	26.66	76.93
#1	-.0020	.0003	.0002	.0005	.0033	.0575	-.0032	-.0157	.0000
#2	-.0025	-.0001	.0001	.0008	.0002	.0078	-.0033	-.0163	.0001
#3	.0025	-.0000	.0002	.0007	.0006	.0006	-.0021	-.0096	.0001
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.1456**	**-.0002**	**-.0010**	**-.0007**	**-.0012**	**.0006**	**.0006**	**.0221**
Stddev	.0004	.0072	.0004	.0007	.0012	.0033	.0012	.0017	.0015
%RSD	3473.	4.956	225.6	71.33	166.4	285.6	177.3	300.3	6.751
#1	.0003	.1523	.0001	-.0003	.0004	.0009	.0007	.0024	.0226
#2	-.0005	.1379	-.0006	-.0009	-.0006	.0006	.0017	.0003	.0232
#3	.0002	.1466	-.0000	-.0017	-.0021	-.0050	-.0005	-.0010	.0204
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: CCB Acquired: 10/20/2025 11:13:22 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0005**	**.0001**	**.0001**	**-.0007**	**.0004**	**.0013**	**.0001**	**.0001**
Stddev	.0017	.0000	.0000	.0032	.0000	.0008	.0002	.0001
%RSD	323.8	25.31	44.52	471.7	4.874	60.24	137.7	144.7
#1	.0010	.0001	.0001	-.0012	.0004	.0012	-.0001	.0000
#2	-.0024	.0001	.0001	-.0035	.0004	.0006	.0002	-.0000
#3	-.0002	.0001	.0000	.0027	.0004	.0021	.0002	.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6124.3**	**101030.**	**16964.**	**3121.0**
Stddev	10.2	567.	119.	4.4
%RSD	.16717	.56120	.69886	.14007
#1	6116.5	100640.	17015.	3120.4
#2	6135.9	100770.	16828.	3125.7
#3	6120.6	101680.	17048.	3117.0

Zoom In Zoom Out

Sample Name: MP58034-MB1 Acquired: 10/20/2025 11:18:18 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**-.0018**	**-.0023**	**.1341**	**.0001**	**-.0000**	**-.0017**	**.0170**	**-.0001**
Stddev	.0002	.0024	.0013	.0005	.0000	.0000	.0003	.0004	.0002
%RSD	608.4	133.1	57.25	.3607	19.74	205.8	20.20	2.205	206.7
#1	-.0002	.0008	-.0012	.1335	.0001	-.0001	-.0018	.0170	-.0000
#2	-.0000	-.0022	-.0020	.1344	.0001	-.0000	-.0020	.0166	-.0004
#3	.0003	-.0040	-.0038	.1342	.0001	.0000	-.0013	.0173	.0001

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0013**	**-.0002**	**.0003**	**.0049**	**.0159**	**-.0146**	**-.0005**	**-.0092**	**.0005**
Stddev	.0007	.0001	.0002	.0002	.0028	.0319	.0003	.0153	.0000
%RSD	51.35	52.76	74.98	4.867	17.81	218.3	55.22	166.6	6.095
#1	.0021	-.0003	.0001	.0046	.0182	-.0105	-.0003	.0065	.0005
#2	.0013	-.0003	.0003	.0051	.0128	-.0484	-.0008	-.0100	.0005
#3	.0007	-.0001	.0006	.0048	.0167	.0150	-.0004	-.0241	.0006

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**.1096**	**.0000**	**.0012**	**-.0018**	**.0086**	**.0003**	**.0012**	**1.987**
Stddev	.0001	.0049	.0004	.0008	.0004	.0032	.0005	.0012	.007
%RSD	238.2	4.488	30480.	61.54	21.95	36.60	162.8	102.2	.3364
#1	.0000	.1049	-.0005	.0018	-.0021	.0051	.0000	.0002	1.984
#2	-.0001	.1147	.0003	.0004	-.0020	.0098	.0009	.0008	1.995
#3	-.0000	.1093	.0002	.0015	-.0014	.0111	-.0000	.0025	1.983

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0003**	**-.0000**	**-.0001**	**-.0011**	**.0003**	**-.0000**	**.0016**	**-.0001**
Stddev	.0007	.0000	.0004	.0009	.0001	.0014	.0002	.0001
%RSD	268.4	228.1	666.8	81.25	30.58	4043.	9.957	130.7
#1	.0002	-.0000	.0003	-.0004	.0004	.0015	.0017	.0000
#2	.0001	-.0001	.0000	-.0009	.0002	-.0007	.0014	-.0002
#3	-.0010	.0000	-.0005	-.0022	.0002	-.0010	.0016	-.0002

Zoom In Zoom Out

Sample Name: MP58034-MB1 Acquired: 10/20/2025 11:18:18 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6123.9**	**101330.**	**16923.**	**3114.6**
Stddev	27.4	141.	174.	14.7
%RSD	.44758	.13900	1.0261	.47200
#1	6144.1	101200.	17063.	3126.0
#2	6092.7	101310.	16728.	3098.0
#3	6135.0	101480.	16977.	3119.8

Zoom In Zoom Out

Sample Name: MP58034-B1 Acquired: 10/20/2025 11:23:12 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2639**	**25.10**	**1.924**	**2.040**	**1.917**	**2.068**	**-.0087**	**26.08**
Stddev	.0015	.04	.011	.005	.002	.007	.0012	.08
%RSD	.5599	.1734	.5725	.2537	.1176	.3449	13.99	.3206
#1	.2627	25.14	1.916	2.039	1.919	2.076	-.0078	26.13
#2	.2634	25.05	1.920	2.035	1.915	2.062	-.0101	25.98
#3	.2655	25.11	1.937	2.045	1.916	2.065	-.0082	26.12

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.032**	**.0096**	**2.068**	**2.029**	**1.928**	**25.55**	**24.88**	**-.0027**
Stddev	.006	.0011	.006	.012	.009	.03	.01	.0015
%RSD	.3223	11.73	.3133	.5916	.4619	.1075	.0498	55.33
#1	2.028	.0104	2.064	2.026	1.920	25.57	24.90	-.0010
#2	2.028	.0083	2.065	2.019	1.925	25.52	24.87	-.0031
#3	2.039	.0102	2.076	2.042	1.938	25.55	24.88	-.0039

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.83**	**2.070**	**2.065**	**25.22**	**2.065**	**-.0025**	**2.037**	**-.0080**
Stddev	.08	.013	.005	.04	.006	.0012	.012	.0015
%RSD	.3213	.6147	.2376	.1524	.2917	47.98	.5970	18.89
#1	24.88	2.065	2.062	25.27	2.062	-.0022	2.032	-.0074
#2	24.74	2.061	2.062	25.21	2.061	-.0038	2.029	-.0097
#3	24.88	2.085	2.071	25.19	2.072	-.0015	2.051	-.0068

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.030**	**1.980**	**1.065**	**2.069**	**2.046**	**2.035**	W **1.998**	**2.004**
Stddev	.007	.009	.000	.006	.008	.011	.010	.011
%RSD	.3602	.4556	.0303	.2840	.3873	.5179	.5026	.5310
#1	2.033	1.982	1.065	2.064	2.055	2.031	1.988	1.999
#2	2.022	1.971	1.066	2.068	2.043	2.027	1.998	1.996
#3	2.035	1.989	1.065	2.075	2.040	2.047	2.008	2.016

Zoom In Zoom Out

Sample Name: MP58034-B1 Acquired: 10/20/2025 11:23:12 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**1.964**	**2.051**	**2.057**
Stddev	.011	.008	.012
%RSD	.5699	.3817	.5830
#1	1.957	2.044	2.050
#2	1.959	2.049	2.050
#3	1.977	2.059	2.071

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6169.0**	**100360.**	**16931.**	**3088.0**
Stddev	24.3	902.	95.	12.5
%RSD	.39378	.89912	.55974	.40546
#1	6185.6	100750.	16977.	3096.8
#2	6180.4	101010.	16994.	3093.6
#3	6141.1	99333.	16822.	3073.7

Zoom In Zoom Out

Sample Name: MP58034-S1 Acquired: 10/20/2025 11:27:47 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: RUSH 10/21

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2738**	**25.89**	**1.961**	**2.180**	**2.206**	**2.040**	**-.0090**	F **254.3**
Stddev	.0002	.06	.005	.004	.009	.008	.0006	4.5
%RSD	.0860	.2361	.2371	.1617	.4072	.4072	6.340	1.771
#1	.2740	25.91	1.966	2.179	2.201	2.044	-.0091	259.2
#2	.2736	25.82	1.957	2.177	2.200	2.030	-.0083	253.1
#3	.2740	25.93	1.961	2.184	2.216	2.045	-.0095	250.5

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.088**	**.0111**	**2.043**	**1.936**	**2.017**	**25.53**	**54.08**	**.0135**
Stddev	.005	.0016	.008	.005	.003	.01	.07	.0012
%RSD	.2334	13.91	.3776	.2537	.1578	.0405	.1219	9.133
#1	2.088	.0104	2.037	1.939	2.015	25.52	54.16	.0121
#2	2.082	.0129	2.040	1.930	2.021	25.52	54.05	.0140
#3	2.092	.0101	2.051	1.937	2.015	25.54	54.04	.0144

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**80.92**	**2.105**	**2.042**	F **437.4**	**2.027**	**.0063**	**2.025**	**25.42**
Stddev	.21	.006	.005	1.8	.008	.0019	.010	.04
%RSD	.2655	.2778	.2398	.4164	.3964	30.39	.4863	.1598
#1	80.99	2.106	2.042	437.1	2.022	.0049	2.020	25.43
#2	80.68	2.100	2.038	435.7	2.024	.0055	2.019	25.38
#3	81.09	2.111	2.047	439.3	2.037	.0084	2.037	25.46

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.079**	**2.040**	**10.51**	**2.031**	**3.073**	**2.006**	W **2.026**	**1.952**
Stddev	.002	.005	.02	.009	.078	.002	.011	.003
%RSD	.0835	.2627	.1553	.4615	2.530	.1199	.5526	.1635
#1	2.079	2.046	10.52	2.032	3.093	2.008	2.020	1.955
#2	2.078	2.036	10.50	2.021	3.138	2.003	2.019	1.949
#3	2.081	2.038	10.53	2.040	2.986	2.007	2.039	1.952

Zoom In Zoom Out

Sample Name: MP58034-S1 Acquired: 10/20/2025 11:27:47 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: RUSH 10/21

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**1.980**	**1.955**	**2.024**
Stddev	.013	.009	.003
%RSD	.6295	.4604	.1300
#1	1.975	1.949	2.026
#2	1.971	1.951	2.021
#3	1.994	1.965	2.025

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5852.8**	**99309.**	**16383.**	**2957.3**
Stddev	15.5	148.	50.	4.8
%RSD	.26466	.14947	.30388	.16158
#1	5862.3	99469.	16326.	2958.0
#2	5861.2	99176.	16412.	2961.7
#3	5834.9	99281.	16412.	2952.2

Zoom In Zoom Out

Sample Name: MP58034-S2 Acquired: 10/20/2025 11:32:47 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2695**	**25.34**	**1.927**	**2.134**	**2.176**	**2.014**	**-.0090**	F **237.3**
Stddev	.0012	.05	.047	.048	.003	.004	.0008	4.0
%RSD	.4553	.1925	2.454	2.250	.1466	.2085	8.390	1.697
#1	.2706	25.33	1.933	2.138	2.178	2.012	-.0086	239.8
#2	.2697	25.40	1.877	2.084	2.172	2.019	-.0084	239.5
#3	.2682	25.30	1.971	2.180	2.178	2.012	-.0098	232.7

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.050**	**.0080**	**2.008**	**1.913**	**1.988**	**25.02**	**52.36**	**.0098**
Stddev	.048	.0013	.043	.010	.009	.12	.10	.0012
%RSD	2.328	16.31	2.147	.5196	.4415	.4770	.1943	12.40
#1	2.057	.0091	2.017	1.924	1.986	24.95	52.26	.0110
#2	1.999	.0066	1.961	1.905	1.998	25.16	52.46	.0097
#3	2.094	.0084	2.046	1.910	1.981	24.96	52.35	.0086

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**78.09**	**2.079**	**2.004**	F **410.0**	**1.993**	**.0042**	**1.995**	**24.34**
Stddev	.54	.007	.046	10.0	.044	.0017	.043	.57
%RSD	.6927	.3166	2.284	2.446	2.207	40.63	2.151	2.331
#1	77.59	2.085	2.013	398.4	2.001	.0034	2.002	24.39
#2	78.67	2.072	1.955	415.3	1.946	.0030	1.950	23.74
#3	78.03	2.079	2.045	416.3	2.033	.0061	2.035	24.87

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.040**	**2.003**	**10.05**	**1.993**	**2.879**	**1.977**	W **1.988**	**1.927**
Stddev	.048	.045	.24	.049	.094	.004	.047	.006
%RSD	2.372	2.244	2.378	2.469	3.268	.2245	2.337	.2902
#1	2.043	2.010	10.07	1.995	2.854	1.982	1.996	1.933
#2	1.990	1.954	9.799	1.943	2.983	1.977	1.938	1.922
#3	2.086	2.043	10.28	2.041	2.800	1.973	2.030	1.925

Zoom In Zoom Out

Sample Name: MP58034-S2 Acquired: 10/20/2025 11:32:47 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**1.953**	**1.925**	**2.000**
Stddev	.049	.047	.003
%RSD	2.516	2.433	.1301
#1	1.961	1.931	2.003
#2	1.901	1.875	1.999
#3	1.998	1.968	1.998

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5891.6**	**99381.**	**16542.**	**2974.7**
Stddev	101.4	337.	239.	58.0
%RSD	1.7209	.33959	1.4460	1.9510
#1	5870.1	98998.	16736.	2963.2
#2	6001.9	99635.	16275.	3037.6
#3	5802.6	99509.	16615.	2923.2

Zoom In Zoom Out

Sample Name: JE21222-1 Acquired: 10/20/2025 11:37:47 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**.3080**	**.0004**	**.1666**	**.3048**	**-.0002**	**-.0027**	F **228.9**	**-.0009**
Stddev	.0004	.0093	.0015	.0016	.0007	.0000	.0008	4.5	.0002
%RSD	62.43	3.026	410.1	.9336	.2400	20.32	30.98	1.945	18.22
#1	.0007	.3018	-.0008	.1657	.3056	-.0002	-.0034	233.8	-.0010
#2	.0002	.3036	-.0002	.1684	.3041	-.0001	-.0018	225.1	-.0011
#3	.0009	.3188	.0021	.1658	.3047	-.0002	-.0028	227.8	-.0007

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0058**	**-.0002**	**.0039**	**.0037**	**.3166**	**28.41**	**.0103**	**57.34**	**.1219**
Stddev	.0024	.0001	.0002	.0002	.0010	.04	.0006	.16	.0001
%RSD	42.04	46.69	4.747	4.967	.3030	.1341	5.809	.2788	.1224
#1	.0075	-.0003	.0037	.0039	.3175	28.38	.0096	57.35	.1218
#2	.0068	-.0002	.0038	.0036	.3167	28.39	.0105	57.17	.1219
#3	.0030	-.0001	.0041	.0036	.3156	28.45	.0108	57.49	.1221

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0050**	F **418.7**	**.0047**	**.0107**	**.0004**	**26.07**	**-.0019**	**.0002**	**10.77**
Stddev	.0002	2.1	.0002	.0025	.0004	.33	.0018	.0016	.14
%RSD	3.983	.4980	3.774	22.97	97.98	1.257	95.35	986.4	1.325
#1	.0051	419.4	.0049	.0081	.0002	25.83	-.0015	-.0001	10.67
#2	.0052	420.3	.0045	.0129	.0002	26.45	-.0038	-.0013	10.94
#3	.0048	416.3	.0048	.0112	.0009	25.94	-.0003	.0018	10.72

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0045**	**1.005**	**.0160**	**.0005**	**.0025**	**.0139**	**.0036**	**.0006**
Stddev	.0004	.004	.0003	.0006	.0003	.0014	.0002	.0001
%RSD	9.620	.3893	1.815	130.9	12.19	9.817	5.045	14.26
#1	-.0041	1.009	.0157	.0009	.0029	.0155	.0034	.0006
#2	-.0050	1.004	.0160	-.0002	.0023	.0134	.0037	.0008
#3	-.0045	1.002	.0163	.0007	.0024	.0129	.0037	.0006

Zoom In Zoom Out

Sample Name: JE21222-1 Acquired: 10/20/2025 11:37:47 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5815.8**	**100390.**	**16306.**	**2943.6**
Stddev	57.5	33.	25.	33.3
%RSD	.98909	.03298	.15222	1.1313
#1	5861.8	100360.	16301.	2969.9
#2	5751.3	100380.	16333.	2906.2
#3	5834.3	100420.	16284.	2954.8

Zoom In Zoom Out

Sample Name: MP58034-SD1 Acquired: 10/20/2025 11:42:55 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0012**	**.3356**	**.0069**	**.1861**	**.3060**	**-.0006**	**-.0072**	**236.3**	**-.0005**
Stddev	.0021	.0331	.0159	.0025	.0011	.0004	.0108	.8	.0001
%RSD	171.3	9.854	230.1	1.342	.3491	65.16	149.9	.3533	21.42
#1	-.0011	.3400	-.0104	.1885	.3057	-.0006	-.0031	236.4	-.0004
#2	.0028	.3005	.0207	.1835	.3052	-.0009	-.0194	237.1	-.0005
#3	.0019	.3662	.0104	.1862	.3072	-.0002	.0009	235.5	-.0007

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0037**	**-.0007**	**.0057**	**.0065**	**.3330**	**27.75**	**.0100**	**58.38**	**.1282**
Stddev	.0017	.0004	.0018	.0013	.0100	.09	.0084	.17	.0004
%RSD	46.76	57.60	31.02	19.73	2.991	.3420	83.98	.2950	.2764
#1	.0032	-.0008	.0052	.0069	.3330	27.65	.0165	58.48	.1283
#2	.0057	-.0003	.0042	.0076	.3230	27.84	.0130	58.47	.1278
#3	.0023	-.0011	.0077	.0051	.3429	27.75	.0005	58.18	.1285

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0058**	**414.9**	**.0053**	**.0090**	**-.0005**	**25.48**	**-.0110**	**.0006**	**10.56**
Stddev	.0018	.1	.0017	.0054	.0065	.04	.0034	.0056	.01
%RSD	31.79	.0306	33.06	59.80	1197.	.1453	30.74	946.5	.0861
#1	.0048	414.9	.0038	.0150	.0006	25.47	-.0149	.0056	10.55
#2	.0079	415.1	.0049	.0049	.0053	25.53	-.0090	.0017	10.56
#3	.0046	414.8	.0072	.0070	-.0075	25.46	-.0091	-.0055	10.57

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0139**	**1.012**	**.0144**	**-.0018**	**.0025**	**.0259**	**-.0012**	**.0012**
Stddev	.0032	.002	.0004	.0146	.0014	.0018	.0010	.0002
%RSD	23.14	.1804	2.739	794.1	58.07	7.047	86.60	20.32
#1	-.0104	1.012	.0139	.0139	.0009	.0272	-.0004	.0010
#2	-.0166	1.011	.0145	-.0043	.0029	.0238	-.0008	.0015
#3	-.0147	1.014	.0147	-.0151	.0036	.0267	-.0023	.0013

Zoom In Zoom Out

Sample Name: MP58034-SD1 Acquired: 10/20/2025 11:42:55 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6092.1**	**100360.**	**16555.**	**3072.4**
Stddev	11.8	275.	93.	6.0
%RSD	.19393	.27381	.56411	.19625
#1	6096.1	100240.	16601.	3073.0
#2	6101.4	100670.	16448.	3078.1
#3	6078.8	100160.	16616.	3066.1

Zoom In Zoom Out

Sample Name: JE20577-6 Acquired: 10/20/2025 11:47:45 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: LATE

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0019**	**17.09**	**-.0000**	**.0849**	**2.169**	**.0006**	**.0006**	**48.37**
Stddev	.0001	.04	.0005	.0004	.005	.0000	.0006	.22
%RSD	3.443	.2362	18400.	.4283	.2170	1.404	95.21	.4499
#1	.0018	17.05	.0001	.0849	2.173	.0006	.0001	48.22
#2	.0019	17.12	.0005	.0845	2.164	.0006	.0012	48.27
#3	.0019	17.11	-.0006	.0853	2.170	.0006	.0006	48.62

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0027**	**.0242**	**.0317**	**.0195**	**2.533**	**10.24**	**2.721**	**.0028**
Stddev	.0001	.0019	.0001	.0001	.013	.03	.014	.0002
%RSD	4.126	7.723	.2374	.4693	.5060	.2864	.5074	8.611
#1	.0027	.0234	.0317	.0195	2.548	10.21	2.736	.0031
#2	.0028	.0264	.0318	.0196	2.524	10.24	2.718	.0027
#3	.0026	.0229	.0316	.0194	2.527	10.27	2.709	.0027

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**16.72**	F **32.45**	**.0452**	**39.94**	**.1337**	**.6510**	**.0767**	**4.439**
Stddev	.15	.35	.0005	.06	.0005	.0014	.0006	.010
%RSD	.8802	1.066	1.084	.1574	.3877	.2177	.7516	.2252
#1	16.65	32.84	.0449	39.87	.1333	.6522	.0770	4.428
#2	16.63	32.26	.0451	39.95	.1336	.6514	.0760	4.443
#3	16.89	32.23	.0458	39.99	.1343	.6494	.0770	4.447

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0051**	**.0113**	**19.85**	**.1807**	**.4083**	**.0503**	W **.0106**	**.0296**
Stddev	.0012	.0006	.05	.0009	.0007	.0002	.0015	.0001
%RSD	23.87	5.268	.2485	.4918	.1685	.4306	14.22	.3593
#1	.0057	.0117	19.79	.1807	.4084	.0504	.0122	.0295
#2	.0037	.0115	19.87	.1815	.4076	.0505	.0092	.0295
#3	.0059	.0106	19.88	.1797	.4089	.0501	.0105	.0297

Zoom In Zoom Out

Sample Name: JE20577-6 Acquired: 10/20/2025 11:47:45 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: LATE

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.0056**	**6.010**	**.0012**
Stddev	.0009	.015	.0002
%RSD	15.61	.2422	12.68
#1	-.0062	6.025	.0013
#2	-.0046	5.996	.0013
#3	-.0061	6.008	.0010

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6090.4**	**100120.**	**16734.**	**3085.3**
Stddev	5.2	486.	204.	.9
%RSD	.08559	.48543	1.2216	.03044
#1	6084.5	99557.	16945.	3085.4
#2	6094.6	100440.	16721.	3086.3
#3	6092.0	100360.	16537.	3084.4

Zoom In Zoom Out

Sample Name: JE20577-6F Acquired: 10/20/2025 11:52:42 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0264**	**.0020**	**.1029**	**.1899**	**-.0001**	**-.0006**	**52.50**	**-.0004**
Stddev	.0002	.0157	.0017	.0009	.0001	.0001	.0008	.14	.0001
%RSD	223.6	59.39	83.26	.8817	.0316	43.45	130.0	.2720	34.16
#1	.0001	.0171	.0027	.1037	.1899	-.0001	-.0003	52.40	-.0004
#2	-.0001	.0176	.0032	.1019	.1900	-.0001	-.0015	52.43	-.0005
#3	-.0003	.0446	.0001	.1029	.1899	-.0002	.0000	52.66	-.0003

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0055**	**-.0007**	**.0008**	**.0115**	**.1045**	**2.808**	**.0008**	**19.37**	**.0193**
Stddev	.0018	.0004	.0002	.0005	.0009	.009	.0010	.02	.0019
%RSD	32.82	52.93	19.55	4.520	.8300	.3304	112.6	.1195	10.07
#1	.0075	-.0012	.0007	.0109	.1037	2.797	.0019	19.36	.0174
#2	.0042	-.0005	.0008	.0120	.1054	2.813	.0007	19.35	.0213
#3	.0046	-.0005	.0010	.0115	.1042	2.813	-.0000	19.39	.0191

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0020**	**51.18**	**.0000**	**.0456**	**.0005**	**6.077**	**-.0022**	**-.0009**	**12.85**
Stddev	.0006	.03	.0006	.0016	.0016	.061	.0007	.0008	.12
%RSD	28.09	.0598	1986.	3.485	347.9	.9982	33.68	87.52	.9272
#1	.0022	51.14	.0003	.0446	.0003	6.107	-.0018	-.0000	12.90
#2	.0014	51.19	-.0006	.0448	-.0011	6.008	-.0030	-.0011	12.71
#3	.0024	51.20	.0004	.0475	.0021	6.117	-.0017	-.0015	12.94

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0021**	**.3832**	**-.0010**	**-.0011**	**.0006**	**.0000**	**.0113**	**-.0005**
Stddev	.0010	.0008	.0001	.0008	.0001	.0007	.0002	.0000
%RSD	48.21	.2089	11.38	77.76	24.22	2163.	1.472	6.244
#1	-.0031	.3824	-.0009	-.0002	.0006	.0001	.0114	-.0005
#2	-.0021	.3833	-.0011	-.0018	.0004	.0006	.0112	-.0005
#3	-.0011	.3839	-.0010	-.0012	.0007	-.0007	.0115	-.0005

Zoom In Zoom Out

Sample Name: JE20577-6F Acquired: 10/20/2025 11:52:42 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6016.0**	**99409.**	**16338.**	**3032.5**
Stddev	52.7	249.	106.	27.9
%RSD	.87632	.25097	.64572	.91959
#1	5988.9	99150.	16280.	3015.8
#2	6076.7	99429.	16460.	3064.7
#3	5982.2	99648.	16274.	3017.0

Zoom In Zoom Out

Sample Name: JE20944-2F Acquired: 10/20/2025 11:57:32 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: LATE-ZN

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**.0122**	**.0046**	**.8457**	**.0263**	**-.0002**	**-.0005**	**87.25**	**-.0004**
Stddev	.0002	.0060	.0013	.0008	.0002	.0000	.0008	.09	.0002
%RSD	733.2	49.54	27.55	.0924	.7092	4.947	170.2	.1025	56.47
#1	.0002	.0192	.0045	.8455	.0264	-.0002	-.0000	87.35	-.0005
#2	-.0002	.0083	.0034	.8466	.0265	-.0002	.0000	87.17	-.0006
#3	-.0001	.0091	.0059	.8451	.0261	-.0003	-.0014	87.24	-.0002

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0063**	**-.0008**	**.0009**	**.0011**	**.0117**	**.9451**	**.0350**	**28.64**	**-.0004**
Stddev	.0004	.0003	.0000	.0002	.0027	.0350	.0004	.19	.0000
%RSD	6.938	38.83	2.485	22.12	23.01	3.703	1.149	.6720	5.660
#1	.0059	-.0004	.0009	.0009	.0102	.9786	.0350	28.86	-.0004
#2	.0068	-.0009	.0009	.0010	.0148	.9088	.0346	28.55	-.0004
#3	.0063	-.0009	.0009	.0014	.0100	.9480	.0354	28.50	-.0004

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0022**	**22.29**	**.0011**	**.0140**	**-.0002**	**53.16**	**-.0017**	**.0002**	**11.54**
Stddev	.0002	.02	.0002	.0006	.0008	.05	.0004	.0025	.00
%RSD	9.246	.0918	15.75	4.289	364.0	.0851	23.02	1641.	.0118
#1	.0020	22.30	.0013	.0144	-.0010	53.11	-.0015	.0026	11.54
#2	.0021	22.27	.0010	.0133	.0005	53.17	-.0015	.0002	11.55
#3	.0024	22.30	.0010	.0143	-.0002	53.20	-.0022	-.0023	11.55

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0031**	**1.855**	**-.0014**	**-.0009**	**.0020**	**.0028**	**-.0017**	**-.0004**
Stddev	.0004	.003	.0001	.0011	.0004	.0011	.0001	.0001
%RSD	14.13	.1366	5.236	121.1	19.92	39.20	6.515	27.63
#1	-.0036	1.858	-.0015	.0001	.0020	.0028	-.0017	-.0003
#2	-.0027	1.854	-.0014	-.0007	.0016	.0017	-.0017	-.0005
#3	-.0030	1.853	-.0014	-.0021	.0024	.0038	-.0015	-.0005

◀ Zoom In ▶
Zoom Out

Sample Name: JE20944-2F Acquired: 10/20/2025 11:57:32 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: LATE-ZN

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6069.7**	**101640.**	**16693.**	**3059.2**
Stddev	12.4	307.	31.	5.7
%RSD	.20396	.30179	.18674	.18543
#1	6083.5	101840.	16669.	3065.7
#2	6066.1	101280.	16683.	3055.4
#3	6059.6	101790.	16728.	3056.6

◀ Zoom In ▶
Zoom Out

Sample Name: CCV Acquired: 10/20/2025 12:02:23 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2485**	**39.84**	**1.936**	**2.026**	**1.935**	**2.067**	**2.026**	**41.01**	**2.075**
Stddev	.0004	.05	.002	.003	.000	.004	.003	.11	.002
%RSD	.1738	.1305	.1021	.1258	.0232	.2118	.1257	.2571	.1045
#1	.2490	39.90	1.938	2.023	1.935	2.068	2.023	41.10	2.077
#2	.2484	39.82	1.935	2.028	1.936	2.062	2.028	40.90	2.076
#3	.2482	39.80	1.936	2.028	1.935	2.071	2.028	41.05	2.073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.004**	**2.101**	**2.038**	**1.949**	**40.51**	**39.70**	**1.987**	**39.32**	**2.083**
Stddev	.007	.004	.004	.004	.03	.10	.002	.09	.005
%RSD	.3701	.2001	.1873	.2124	.0833	.2483	.1054	.2379	.2198
#1	2.013	2.106	2.038	1.954	40.52	39.80	1.985	39.42	2.085
#2	2.000	2.098	2.034	1.949	40.53	39.72	1.988	39.24	2.078
#3	2.000	2.098	2.042	1.945	40.47	39.60	1.989	39.29	2.086
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.059**	**40.04**	**2.098**	**2.063**	**2.078**	**2.065**	**2.035**	**2.048**	**5.136**
Stddev	.002	.05	.003	.003	.003	.007	.003	.003	.009
%RSD	.1171	.1202	.1509	.1626	.1229	.3386	.1356	.1374	.1688
#1	2.061	40.04	2.100	2.067	2.081	2.063	2.032	2.048	5.126
#2	2.059	40.09	2.098	2.060	2.076	2.073	2.037	2.046	5.142
#3	2.056	40.00	2.094	2.062	2.078	2.060	2.037	2.051	5.141
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

◀ Zoom In ▶
Zoom Out

Sample Name: CCV Acquired: 10/20/2025 12:02:23 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.067**	**2.059**	**2.018**	**2.047**	**2.019**	**2.041**	**2.085**	**2.041**
Stddev	.004	.004	.003	.003	.002	.001	.010	.002
%RSD	.2155	.2055	.1225	.1512	.0731	.0361	.4644	.0828
#1	2.072	2.062	2.017	2.047	2.020	2.041	2.096	2.043
#2	2.066	2.054	2.016	2.050	2.017	2.042	2.082	2.039
#3	2.063	2.061	2.020	2.043	2.020	2.040	2.077	2.040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6109.1**	**101040.**	**16754.**	**3068.8**
Stddev	11.4	342.	50.	6.8
%RSD	.18715	.33880	.29630	.22060
#1	6099.9	100810.	16703.	3064.0
#2	6105.5	101430.	16758.	3065.9
#3	6121.9	100870.	16802.	3076.6

◀ Zoom In ▶
Zoom Out

Sample Name: CCB Acquired: 10/20/2025 12:06:55 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0032**	**.0019**	**.0055**	**.0001**	**.0002**	**-.0014**	**.0072**	**.0003**
Stddev	.0003	.0082	.0026	.0004	.0001	.0000	.0002	.0009	.0002
%RSD	195.3	256.8	134.4	7.246	95.96	26.10	13.87	12.15	86.80
#1	.0003	.0122	.0003	.0054	-.0000	.0002	-.0012	.0065	.0005
#2	-.0002	-.0039	.0049	.0059	.0002	.0001	-.0016	.0070	.0001
#3	.0002	.0012	.0006	.0052	.0001	.0002	-.0013	.0082	.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0015**	**.0001**	**.0004**	**.0011**	**.0030**	**-.0173**	**-.0007**	**.0034**	**.0003**
Stddev	.0027	.0001	.0002	.0006	.0007	.0136	.0012	.0146	.0001
%RSD	178.8	96.30	36.99	51.19	23.50	78.22	185.4	433.7	20.05
#1	.0014	-.0000	.0003	.0015	.0022	-.0165	.0004	-.0105	.0002
#2	-.0020	.0002	.0003	.0013	.0036	-.0313	-.0020	.0186	.0003
#3	-.0040	.0001	.0006	.0005	.0031	-.0042	-.0004	.0021	.0003
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0467**	**.0005**	**-.0008**	**.0004**	**.0019**	**-.0011**	**.0003**	**.0056**
Stddev	.0002	.0066	.0004	.0013	.0007	.0018	.0015	.0010	.0011
%RSD	67.25	14.18	81.50	158.7	162.3	96.50	133.1	299.4	19.68
#1	.0001	.0433	.0007	.0003	.0011	-.0002	.0006	.0010	.0068
#2	.0006	.0424	.0000	-.0005	-.0003	.0031	-.0017	.0008	.0048
#3	.0003	.0543	.0006	-.0023	.0004	.0028	-.0023	-.0008	.0051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: CCB Acquired: 10/20/2025 12:06:55 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0010**	**.0001**	**-.0001**	**-.0010**	**.0003**	**.0023**	**.0002**	**.0004**
Stddev	.0006	.0000	.0003	.0033	.0002	.0013	.0003	.0001
%RSD	55.31	24.00	320.9	325.1	54.89	58.65	117.9	34.57
#1	-.0016	.0002	-.0001	.0019	.0004	.0038	.0004	.0003
#2	-.0010	.0001	.0002	-.0046	.0004	.0014	.0004	.0003
#3	-.0005	.0002	-.0004	-.0004	.0001	.0016	-.0001	.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6122.0**	**100460.**	**16655.**	**3117.2**
Stddev	24.1	430.	50.	13.1
%RSD	.39362	.42793	.29746	.41909
#1	6146.7	100910.	16608.	3131.1
#2	6120.8	100050.	16650.	3115.3
#3	6098.6	100420.	16707.	3105.1

Zoom In Zoom Out

Sample Name: MP57944-MB2 Acquired: 10/20/2025 12:11:50 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**-.0087**	**-.0011**	**.0536**	**-.0001**	**-.0002**	**-.0015**	**.0111**	**.0000**
Stddev	.0004	.0032	.0032	.0006	.0002	.0000	.0003	.0019	.0002
%RSD	205.8	36.35	288.6	1.153	145.4	13.55	22.80	16.92	958.0
#1	-.0004	-.0103	.0025	.0539	.0001	-.0001	-.0011	.0130	-.0002
#2	-.0004	-.0108	-.0021	.0539	-.0002	-.0002	-.0017	.0110	.0001
#3	.0003	-.0051	-.0038	.0528	-.0002	-.0002	-.0017	.0093	.0001

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0018**	**-.0005**	**.0001**	**.0001**	**.0011**	**-.0108**	**-.0054**	**-.0066**	**-.0001**
Stddev	.0004	.0003	.0001	.0001	.0013	.0323	.0004	.0178	.0000
%RSD	22.16	72.14	112.8	88.35	122.3	298.1	7.243	270.5	49.54
#1	.0016	-.0001	-.0000	.0000	.0025	.0247	-.0050	-.0228	-.0000
#2	.0022	-.0007	.0002	.0001	.0010	-.0384	-.0058	.0124	-.0001
#3	.0015	-.0006	.0002	.0001	-.0002	-.0187	-.0054	-.0093	-.0001

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0400**	**-.0004**	**.0008**	**-.0013**	**.0045**	**-.0001**	**.0011**	**.7391**
Stddev	.0002	.0049	.0004	.0018	.0008	.0004	.0013	.0028	.0052
%RSD	192.2	12.23	98.47	233.9	62.91	8.863	2536.	264.0	.7085
#1	.0004	.0438	-.0007	.0008	-.0004	.0041	-.0006	.0008	.7443
#2	.0001	.0417	.0001	-.0010	-.0015	.0044	-.0010	-.0016	.7338
#3	-.0001	.0345	-.0006	.0025	-.0020	.0049	.0015	.0040	.7394

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**-.0001**	**.0000**	**-.0016**	**-.0000**	**.0008**	**.0008**	**-.0002**
Stddev	.0007	.0000	.0002	.0013	.0002	.0006	.0004	.0002
%RSD	1567.	37.72	2627.	81.49	6646.	73.98	45.24	117.8
#1	.0007	-.0001	.0001	-.0025	-.0002	.0010	.0010	.0000
#2	-.0006	-.0001	.0001	-.0021	-.0001	.0001	.0004	-.0002
#3	.0001	-.0001	-.0002	-.0001	.0003	.0012	.0010	-.0005

Zoom In Zoom Out

Sample Name: MP57944-MB2 Acquired: 10/20/2025 12:11:50 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6151.2**	**103080.**	**17077.**	**3130.3**
Stddev	26.9	359.	385.	14.8
%RSD	.43681	.34821	2.2532	.47376
#1	6120.2	103250.	16684.	3113.6
#2	6167.9	102660.	17094.	3141.8
#3	6165.5	103320.	17453.	3135.4

Zoom In Zoom Out

Sample Name: MP57944-B3 Acquired: 10/20/2025 12:16:45 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2530**	**24.29**	**1.854**	**1.963**	**1.845**	**1.992**	**-.0079**	**25.20**
Stddev	.0003	.04	.010	.005	.002	.004	.0010	.08
%RSD	.1199	.1539	.5309	.2802	.1100	.1890	13.12	.3104
#1	.2532	24.27	1.856	1.959	1.846	1.988	-.0083	25.11
#2	.2527	24.27	1.844	1.961	1.843	1.994	-.0067	25.22
#3	.2531	24.33	1.863	1.969	1.846	1.994	-.0087	25.26

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.986**	**.0038**	**2.027**	**1.969**	**1.855**	**24.87**	**24.29**	**-.0045**
Stddev	.005	.0005	.002	.013	.008	.02	.06	.0012
%RSD	.2338	13.78	.0894	.6510	.4108	.0661	.2574	27.13
#1	1.984	.0044	2.025	1.980	1.848	24.86	24.22	-.0046
#2	1.983	.0036	2.028	1.955	1.863	24.87	24.32	-.0056
#3	1.992	.0034	2.028	1.973	1.855	24.89	24.33	-.0032

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.81**	**2.001**	**2.012**	**24.49**	**2.027**	**-.0037**	**1.998**	**-.0139**
Stddev	.15	.014	.006	.04	.002	.0009	.003	.0017
%RSD	.6094	.6927	.2782	.1623	.1137	24.77	.1500	11.87
#1	23.66	2.013	2.009	24.47	2.026	-.0028	2.000	-.0158
#2	23.83	1.986	2.008	24.46	2.025	-.0047	1.994	-.0127
#3	23.95	2.004	2.018	24.53	2.030	-.0037	1.999	-.0132

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.972**	**1.927**	**.6231**	**2.022**	**1.972**	**1.973**	W **1.965**	**1.944**
Stddev	.006	.008	.0030	.001	.003	.005	.007	.006
%RSD	.3004	.4213	.4872	.0380	.1390	.2684	.3434	.3293
#1	1.966	1.920	.6196	2.023	1.972	1.979	1.970	1.950
#2	1.971	1.924	.6247	2.021	1.969	1.968	1.957	1.937
#3	1.978	1.936	.6250	2.022	1.975	1.974	1.966	1.945

Zoom In Zoom Out

Sample Name: MP57944-B3 Acquired: 10/20/2025 12:16:45 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**1.948**	**2.008**	**1.988**
Stddev	.005	.004	.004
%RSD	.2668	.1773	.1997
#1	1.943	2.012	1.992
#2	1.948	2.007	1.984
#3	1.954	2.006	1.988

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6172.7**	**101930.**	**16943.**	**3101.6**
Stddev	14.0	1067.	122.	7.2
%RSD	.22733	1.0467	.71738	.23144
#1	6188.9	100990.	17080.	3109.2
#2	6165.0	103090.	16900.	3100.7
#3	6164.2	101700.	16849.	3094.9

Zoom In Zoom Out

Sample Name: MP57944-S5 Acquired: 10/20/2025 12:21:20 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2612**	**25.26**	**1.880**	**2.311**	**3.074**	**1.999**	**-.0092**	**188.3**
Stddev	.0006	.11	.010	.008	.025	.011	.0008	1.3
%RSD	.2144	.4435	.5215	.3471	.8243	.5437	8.693	.6906
#1	.2612	25.38	1.880	2.315	3.101	2.009	-.0087	189.7
#2	.2618	25.24	1.870	2.302	3.071	2.000	-.0088	188.2
#3	.2607	25.16	1.890	2.317	3.051	1.987	-.0101	187.1

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.024**	**.0117**	**2.008**	**1.906**	**1.957**	**27.52**	**39.09**	**.3585**
Stddev	.007	.0016	.006	.012	.005	.02	.10	.0034
%RSD	.3251	13.95	.2786	.6471	.2458	.0801	.2510	.9583
#1	2.026	.0109	2.005	1.919	1.952	27.52	39.18	.3622
#2	2.017	.0135	2.005	1.902	1.961	27.55	39.10	.3578
#3	2.030	.0105	2.015	1.895	1.958	27.50	38.99	.3555

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**59.60**	**2.084**	**1.991**	F **308.2**	**1.988**	**.1635**	**1.988**	**12.24**
Stddev	.28	.009	.005	3.2	.005	.0012	.003	.03
%RSD	.4754	.4486	.2679	1.045	.2422	.7379	.1540	.2610
#1	59.80	2.094	1.992	306.9	1.984	.1621	1.986	12.26
#2	59.71	2.082	1.985	305.8	1.987	.1639	1.986	12.20
#3	59.27	2.075	1.996	311.8	1.993	.1644	1.991	12.25

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.018**	**1.981**	**16.21**	**1.995**	**4.421**	**1.971**	W **1.976**	**1.909**
Stddev	.008	.009	.05	.009	.098	.007	.003	.007
%RSD	.4126	.4540	.3047	.4712	2.216	.3347	.1396	.3705
#1	2.021	1.981	16.25	1.993	4.321	1.978	1.973	1.917
#2	2.009	1.972	16.16	1.987	4.427	1.967	1.976	1.906
#3	2.025	1.989	16.23	2.005	4.516	1.967	1.979	1.904

Zoom In Zoom Out

Sample Name: MP57944-S5 Acquired: 10/20/2025 12:21:20 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**1.951**	**1.965**	**1.967**
Stddev	.007	.009	.003
%RSD	.3640	.4680	.1650
#1	1.956	1.959	1.970
#2	1.943	1.961	1.966
#3	1.955	1.976	1.964

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5958.3**	**101130.**	**16457.**	**3003.8**
Stddev	12.7	363.	72.	7.6
%RSD	.21278	.35916	.43478	.25284
#1	5969.3	100740.	16539.	3004.3
#2	5961.1	101180.	16414.	3011.1
#3	5944.4	101460.	16416.	2995.9

Zoom In Zoom Out

Sample Name: MP57944-S6 Acquired: 10/20/2025 12:26:20 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2624**	**25.23**	**1.888**	**2.307**	**3.047**	**1.984**	**-.0092**	**185.1**
Stddev	.0007	.05	.007	.012	.007	.003	.0021	4.5
%RSD	.2787	.2011	.3764	.5080	.2413	.1382	22.30	2.447
#1	.2633	25.24	1.880	2.295	3.048	1.982	-.0098	182.2
#2	.2619	25.17	1.894	2.308	3.040	1.982	-.0109	182.8
#3	.2621	25.27	1.889	2.319	3.055	1.987	-.0069	190.3

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.038**	**.0118**	**2.017**	**1.917**	**1.967**	**27.73**	**38.98**	**.3503**
Stddev	.007	.0021	.005	.003	.005	.03	.04	.0014
%RSD	.3223	18.22	.2325	.1494	.2656	.1239	.0989	.3862
#1	2.031	.0142	2.017	1.919	1.961	27.70	39.02	.3517
#2	2.039	.0112	2.012	1.919	1.968	27.72	38.97	.3490
#3	2.044	.0100	2.021	1.914	1.971	27.76	38.95	.3503

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**58.52**	**2.094**	**2.000**	F **298.1**	**2.004**	**.1650**	**1.999**	**12.13**
Stddev	.28	.006	.005	2.2	.005	.0017	.007	.06
%RSD	.4847	.2883	.2664	.7421	.2327	1.024	.3352	.4805
#1	58.30	2.087	1.995	300.7	2.006	.1637	2.004	12.07
#2	58.41	2.098	1.999	296.6	1.999	.1669	1.991	12.16
#3	58.84	2.095	2.005	297.1	2.008	.1644	2.001	12.18

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.020**	**1.985**	**16.33**	**2.002**	**4.236**	**1.982**	W **1.986**	**1.920**
Stddev	.011	.009	.08	.003	.081	.003	.005	.001
%RSD	.5402	.4488	.5123	.1583	1.920	.1503	.2610	.0588
#1	2.007	1.975	16.24	2.003	4.256	1.984	1.987	1.919
#2	2.026	1.987	16.35	1.999	4.305	1.984	1.981	1.921
#3	2.026	1.993	16.40	2.005	4.146	1.979	1.991	1.920

Zoom In Zoom Out

Sample Name: MP57944-S6 Acquired: 10/20/2025 12:26:20 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**1.960**	**1.977**	**1.974**
Stddev	.004	.004	.004
%RSD	.1951	.2196	.2223
#1	1.956	1.980	1.969
#2	1.961	1.972	1.976
#3	1.964	1.979	1.976

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5939.8**	**100740.**	**16720.**	**2997.9**
Stddev	9.5	255.	122.	7.8
%RSD	.15977	.25294	.73213	.26057
#1	5936.9	100760.	16839.	3006.2
#2	5950.4	100480.	16727.	2996.8
#3	5932.1	100990.	16595.	2990.6

Zoom In Zoom Out

Sample Name: JE20847-4 Acquired: 10/20/2025 12:31:19 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0004**	**.4878**	**.0020**	**.2996**	**1.234**	**-.0001**	**-.0010**	**164.4**	**-.0006**
Stddev	.0004	.0032	.0009	.0008	.003	.0000	.0003	.4	.0001
%RSD	118.0	.6485	43.36	.2512	.2439	25.27	28.01	.2327	10.73
#1	-.0004	.4912	.0011	.2993	1.235	-.0001	-.0013	164.1	-.0007
#2	.0001	.4871	.0022	.2990	1.236	-.0001	-.0008	164.9	-.0005
#3	-.0008	.4850	.0028	.3004	1.230	-.0002	-.0009	164.3	-.0006

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0034**	**-.0008**	**.0037**	**.0293**	**3.026**	**14.03**	**.3563**	**35.97**	**.1484**
Stddev	.0019	.0001	.0002	.0007	.004	.06	.0013	.11	.0007
%RSD	54.02	18.32	5.743	2.485	.1497	.4123	.3527	.3190	.5025
#1	.0030	-.0007	.0038	.0301	3.020	14.04	.3577	35.84	.1492
#2	.0055	-.0007	.0034	.0288	3.028	14.08	.3561	36.05	.1482
#3	.0019	-.0009	.0038	.0289	3.028	13.97	.3552	36.03	.1477

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	F **280.1**	**.0033**	**.1708**	**.0044**	**12.21**	**-.0014**	**-.0004**	**15.76**
Stddev	.0000	8.1	.0002	.0020	.0003	.05	.0018	.0026	.04
%RSD	6.222	2.874	7.384	1.183	7.361	.3986	122.0	615.2	.2604
#1	.0005	276.4	.0031	.1702	.0044	12.17	.0003	-.0020	15.74
#2	.0006	274.6	.0034	.1691	.0040	12.20	-.0015	.0025	15.74
#3	.0005	289.4	.0035	.1730	.0046	12.26	-.0032	-.0017	15.81

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0010**	**2.374**	**.0270**	**.0003**	**.0024**	**.0049**	**.0365**	**.0018**
Stddev	.0010	.002	.0004	.0004	.0002	.0018	.0003	.0001
%RSD	103.9	.0801	1.565	134.2	6.564	37.37	.7358	3.572
#1	-.0014	2.372	.0274	-.0001	.0025	.0069	.0365	.0019
#2	.0002	2.375	.0266	.0003	.0024	.0044	.0362	.0018
#3	-.0017	2.375	.0270	.0007	.0022	.0034	.0368	.0017

Zoom In Zoom Out

Sample Name: JE20847-4 Acquired: 10/20/2025 12:31:19 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5958.8**	**100970.**	**16438.**	**3010.4**
Stddev	4.3	572.	130.	4.9
%RSD	.07243	.56697	.78919	.16132
#1	5961.7	100370.	16580.	3013.3
#2	5960.7	101510.	16410.	3013.2
#3	5953.8	101040.	16325.	3004.8

Zoom In Zoom Out

Sample Name: MP57944-SD2 Acquired: 10/20/2025 12:36:22 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0023**	**.4761**	**-.0085**	**.3117**	**1.217**	**-.0008**	**-.0062**	**164.6**	**-.0000**
Stddev	.0021	.0432	.0039	.0021	.010	.0002	.0049	.9	.0003
%RSD	90.60	9.077	46.62	.6863	.8283	24.33	80.04	.5412	1207.
#1	-.0001	.4611	-.0124	.3142	1.205	-.0010	-.0113	163.6	-.0003
#2	.0039	.4424	-.0084	.3108	1.224	-.0008	-.0014	165.3	.0003
#3	.0031	.5248	-.0046	.3102	1.221	-.0006	-.0058	164.9	-.0001

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0034**	**-.0016**	**.0057**	**.0287**	**3.047**	**13.64**	**.3313**	**35.98**	**.1509**
Stddev	.0052	.0011	.0013	.0015	.020	.13	.0084	.24	.0010
%RSD	152.8	71.21	21.85	5.220	.6470	.9403	2.532	.6785	.6442
#1	-.0094	-.0007	.0062	.0290	3.066	13.59	.3243	35.75	.1520
#2	-.0004	-.0012	.0067	.0299	3.047	13.79	.3406	36.23	.1504
#3	-.0004	-.0028	.0043	.0270	3.027	13.55	.3289	35.96	.1503

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**274.5**	**.0037**	**.1582**	**.0061**	**11.87**	**-.0059**	**.0088**	**15.44**
Stddev	.0018	1.2	.0009	.0019	.0033	.03	.0063	.0102	.00
%RSD	784.8	.4404	25.47	1.210	54.64	.2895	106.8	116.2	.0305
#1	-.0008	273.1	.0047	.1599	.0076	11.89	-.0029	.0043	15.44
#2	.0018	275.3	.0030	.1586	.0085	11.89	-.0132	.0204	15.44
#3	-.0017	275.1	.0033	.1561	.0023	11.83	-.0016	.0016	15.45

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0078**	**2.333**	**.0247**	**.0001**	**.0023**	**.0138**	**.0326**	**.0021**
Stddev	.0048	.018	.0010	.0069	.0008	.0049	.0012	.0009
%RSD	61.24	.7927	4.143	9470.	36.43	35.45	3.585	41.65
#1	-.0107	2.312	.0236	-.0042	.0013	.0116	.0318	.0021
#2	-.0023	2.347	.0249	.0081	.0026	.0194	.0340	.0030
#3	-.0104	2.340	.0256	-.0037	.0029	.0104	.0321	.0012

Zoom In Zoom Out

Sample Name: MP57944-SD2 Acquired: 10/20/2025 12:36:22 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6106.6**	**101380.**	**16745.**	**3089.8**
Stddev	17.7	126.	58.	6.4
%RSD	.28919	.12434	.34423	.20664
#1	6126.7	101270.	16800.	3096.6
#2	6093.7	101520.	16751.	3084.0
#3	6099.3	101360.	16685.	3088.6

Zoom In Zoom Out

Sample Name: JE21394-1 Acquired: 10/20/2025 12:41:13 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: MP58070/PB-RUSH

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**47.00**	**.0146**	**.2274**	**.5937**	**.0045**	**-.0065**	**9.768**	**.0002**
Stddev	.0001	.85	.0013	.0003	.0100	.0001	.0002	.193	.0001
%RSD	34.43	1.814	8.659	.1513	1.685	2.602	3.837	1.972	26.51
#1	-.0002	47.95	.0152	.2271	.6048	.0047	-.0067	9.985	.0002
#2	-.0003	46.30	.0132	.2274	.5855	.0044	-.0062	9.617	.0003
#3	-.0002	46.77	.0155	.2277	.5907	.0045	-.0065	9.704	.0003

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3206**	**.0602**	**.1024**	**.1008**	**128.0**	**8.013**	**.1143**	**21.87**	**3.328**
Stddev	.0024	.0000	.0003	.0004	2.2	.113	.0024	.48	.012
%RSD	.7458	.0745	.2449	.4235	1.705	1.407	2.100	2.190	.3652
#1	.3194	.0602	.1024	.1010	130.4	8.131	.1170	22.41	3.331
#2	.3234	.0603	.1027	.1003	126.2	7.906	.1125	21.51	3.339
#3	.3191	.0602	.1022	.1011	127.3	8.000	.1133	21.68	3.315

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0029**	**1.657**	**.1182**	**2.570**	**.0728**	**.1725**	**.0008**	**.0043**	**3.832**
Stddev	.0003	.030	.0004	.009	.0009	.0033	.0020	.0009	.020
%RSD	9.448	1.818	.3008	.3350	1.249	1.885	241.6	20.46	.5105
#1	.0026	1.692	.1185	2.570	.0728	.1688	.0031	.0038	3.810
#2	.0032	1.635	.1178	2.561	.0737	.1748	-.0002	.0037	3.841
#3	.0029	1.646	.1184	2.578	.0719	.1739	-.0004	.0053	3.846

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0169**	**.0519**	**1.883**	**.0024**	**.1490**	**.0006**	**.2984**	**.0618**
Stddev	.0011	.0010	.002	.0002	.0006	.0014	.0005	.0001
%RSD	6.614	1.902	.1033	7.745	.4275	213.3	.1558	.2285
#1	.0162	.0530	1.885	.0023	.1494	-.0001	.2987	.0619
#2	.0163	.0511	1.881	.0026	.1493	.0022	.2979	.0620
#3	.0182	.0516	1.883	.0023	.1483	-.0002	.2987	.0617

Zoom In Zoom Out

Sample Name: JE21394-1 Acquired: 10/20/2025 12:41:13 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: MP58070/PB-RUSH

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6228.7**	**105200.**	**17433.**	**3230.8**
Stddev	11.9	367.	285.	5.3
%RSD	.19056	.34918	1.6335	.16288
#1	6218.8	105300.	17105.	3230.0
#2	6241.8	104790.	17607.	3236.4
#3	6225.3	105500.	17589.	3226.0

Zoom In Zoom Out

Sample Name: JE21394-2 Acquired: 10/20/2025 12:46:09 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: PB-RUSH 10/22

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**60.28**	**.0162**	**.2318**	**.7137**	**.0049**	**-.0077**	**10.38**	**.0002**
Stddev	.0001	.05	.0025	.0016	.0013	.0000	.0025	.01	.0001
%RSD	115.9	.0811	15.61	.6728	.1840	.6187	31.99	.1349	55.70
#1	-.0001	60.31	.0141	.2327	.7127	.0048	-.0072	10.38	.0003
#2	.0000	60.23	.0190	.2300	.7132	.0049	-.0055	10.37	.0001
#3	-.0001	60.31	.0156	.2326	.7152	.0049	-.0103	10.39	.0001

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3765**	**.0662**	**.1273**	**.0946**	**151.2**	**9.902**	**.1638**	**30.82**	**3.302**
Stddev	.0011	.0003	.0003	.0006	.2	.019	.0012	.16	.029
%RSD	.3046	.4789	.2567	.5942	.1297	.1939	.7280	.5080	.8653
#1	.3778	.0660	.1276	.0950	151.4	9.888	.1632	30.64	3.304
#2	.3755	.0660	.1270	.0940	151.3	9.924	.1652	30.85	3.329
#3	.3763	.0666	.1272	.0949	151.0	9.894	.1630	30.95	3.272

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0038**	**1.841**	**.1539**	**2.901**	**.0696**	**.1956**	**.0011**	**.0033**	**3.853**
Stddev	.0001	.004	.0005	.008	.0014	.0016	.0006	.0013	.009
%RSD	3.827	.1888	.3107	.2787	2.067	.8381	52.40	39.01	.2346
#1	.0039	1.841	.1535	2.910	.0689	.1965	.0004	.0020	3.851
#2	.0037	1.837	.1537	2.899	.0687	.1937	.0013	.0046	3.862
#3	.0039	1.844	.1544	2.894	.0713	.1966	.0014	.0033	3.844

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0180**	**.0601**	**2.257**	**.0013**	**.1662**	**.0011**	**.3715**	**.0680**
Stddev	.0011	.0002	.002	.0010	.0003	.0023	.0017	.0008
%RSD	6.099	.3509	.0950	73.16	.1948	214.7	.4604	1.109
#1	.0184	.0600	2.259	.0002	.1665	.0035	.3700	.0688
#2	.0168	.0599	2.258	.0019	.1662	-.0010	.3734	.0677
#3	.0189	.0603	2.255	.0018	.1658	.0007	.3711	.0674

Zoom In Zoom Out

Sample Name: JE21394-2 Acquired: 10/20/2025 12:46:09 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: PB-RUSH 10/22

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6241.6**	**107670.**	**17973.**	**3267.6**
Stddev	20.3	573.	87.	3.6
%RSD	.32603	.53195	.48531	.10958
#1	6264.0	107550.	18024.	3271.4
#2	6224.3	107170.	17873.	3267.2
#3	6236.6	108300.	18024.	3264.3

Zoom In Zoom Out

Sample Name: JE20795-1A Acquired: 10/20/2025 12:51:04 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: MP58091/TCLP

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.3561**	**.0096**	**.2045**	**.4390**	**.0006**	**-.0038**	**160.8**	**-.0003**
Stddev	.0000	.0083	.0015	.0012	.0007	.0000	.0007	.6	.0003
%RSD	56.70	2.326	15.49	.5672	.1586	5.477	17.89	.3963	98.05
#1	.0000	.3481	.0099	.2058	.4394	.0005	-.0030	160.1	.0000
#2	.0001	.3557	.0109	.2035	.4382	.0006	-.0041	160.9	-.0004
#3	.0001	.3646	.0080	.2042	.4394	.0005	-.0043	161.3	-.0004

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0285**	**.0033**	**.0018**	**.0079**	**.1691**	**2.111**	**.0072**	**58.70**	**.6341**
Stddev	.0003	.0002	.0002	.0002	.0020	.012	.0023	.23	.0016
%RSD	1.084	6.644	12.26	2.946	1.188	.5508	31.86	.3962	.2507
#1	.0288	.0030	.0016	.0076	.1669	2.123	.0079	58.48	.6355
#2	.0282	.0033	.0020	.0080	.1707	2.100	.0092	58.67	.6345
#3	.0285	.0035	.0018	.0081	.1699	2.111	.0047	58.94	.6323

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**F 1228.**	**.0113**	**.0239**	**.0081**	**2.219**	**-.0037**	**.0075**	**F 47.17**
Stddev	.0002	2.	.0001	.0014	.0011	.011	.0006	.0020	.26
%RSD	408.6	.2027	1.262	5.664	13.79	.4771	17.17	26.95	.5442
#1	.0000	1229.	.0113	.0242	.0079	2.222	-.0043	.0077	47.20
#2	-.0003	1230.	.0111	.0251	.0070	2.208	-.0030	.0094	46.90
#3	.0001	1225.	.0113	.0224	.0092	2.229	-.0037	.0054	47.41

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0007**	**.4829**	**.0024**	**-.0052**	**.0014**	**-.0067**	**.2417**	**-.0008**
Stddev	.0004	.0010	.0003	.0025	.0001	.0005	.0017	.0001
%RSD	56.72	.2147	13.43	48.15	8.233	7.213	.6965	12.98
#1	-.0003	.4839	.0022	-.0081	.0014	-.0065	.2398	-.0009
#2	-.0006	.4819	.0021	-.0041	.0015	-.0064	.2422	-.0009
#3	-.0011	.4829	.0027	-.0035	.0013	-.0073	.2431	-.0007

Zoom In Zoom Out

Sample Name: JE20795-1A Acquired: 10/20/2025 12:51:04 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: MP58091/TCLP

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5672.1**	**100560.**	**16532.**	**2943.7**
Stddev	17.7	288.	188.	8.3
%RSD	.31239	.28673	1.1395	.28058
#1	5692.0	100290.	16723.	2949.8
#2	5666.0	100870.	16526.	2947.0
#3	5658.2	100530.	16347.	2934.3

Zoom In Zoom Out

Sample Name: JE20832-2A Acquired: 10/20/2025 12:56:04 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.2010**	**.0104**	**.1516**	**.6923**	**.0005**	**-.0011**	**58.54**	**.0012**
Stddev	.0001	.0069	.0006	.0010	.0014	.0000	.0006	.06	.0001
%RSD	26.13	3.430	5.397	.6692	.2033	4.432	55.77	.0964	10.91
#1	.0005	.2084	.0105	.1522	.6939	.0005	-.0013	58.60	.0013
#2	.0004	.1999	.0098	.1505	.6921	.0005	-.0015	58.55	.0011
#3	.0006	.1948	.0110	.1522	.6911	.0005	-.0004	58.49	.0011

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0496**	**.0680**	**.0018**	**.0968**	**3.651**	**7.431**	**.0057**	**4.391**	**7.934**
Stddev	.0020	.0006	.0003	.0004	.016	.033	.0005	.037	.013
%RSD	4.064	.9480	16.11	.4182	.4394	.4397	8.232	.8332	.1611
#1	.0519	.0679	.0021	.0967	3.650	7.468	.0056	4.421	7.926
#2	.0481	.0675	.0017	.0972	3.636	7.407	.0053	4.350	7.949
#3	.0487	.0687	.0016	.0964	3.668	7.417	.0063	4.403	7.928

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**F 1226.**	**.0467**	**-.0008**	**.0100**	**.3865**	**-.0009**	**.0063**	**F 38.60**
Stddev	.0004	39.	.0002	.0010	.0009	.0026	.0017	.0019	.17
%RSD	193.1	3.171	.3261	130.8	8.578	.6700	199.6	31.00	.4434
#1	-.0006	1228.	.0466	-.0004	.0090	.3865	-.0028	.0061	38.65
#2	-.0002	1264.	.0469	-.0000	.0107	.3839	-.0003	.0045	38.41
#3	.0002	1187.	.0466	-.0019	.0102	.3890	.0005	.0083	38.74

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0005**	**.2750**	**-.0016**	**-.0037**	**.0006**	**-.0074**	**.5700**	**-.0007**
Stddev	.0007	.0007	.0002	.0007	.0001	.0009	.0010	.0001
%RSD	135.5	.2454	10.74	17.92	21.48	12.41	.1731	13.61
#1	-.0012	.2750	-.0017	-.0043	.0005	-.0073	.5689	-.0008
#2	-.0000	.2757	-.0018	-.0038	.0004	-.0083	.5708	-.0006
#3	-.0002	.2744	-.0014	-.0030	.0007	-.0065	.5704	-.0008

Zoom In Zoom Out

Sample Name: JE20832-2A Acquired: 10/20/2025 12:56:04 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5764.8**	**101690.**	**16651.**	**3013.2**
Stddev	5.9	362.	34.	.6
%RSD	.10225	.35637	.20662	.02068
#1	5769.2	102080.	16619.	3013.3
#2	5758.1	101640.	16645.	3012.6
#3	5767.1	101360.	16687.	3013.8

Zoom In Zoom Out

Sample Name: CCV Acquired: 10/20/2025 13:01:12 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2500**	**39.79**	**1.917**	**2.019**	**1.921**	**2.053**	**2.015**	**40.97**	**2.069**
Stddev	.0015	.07	.008	.005	.005	.004	.007	.02	.005
%RSD	.5910	.1658	.4168	.2539	.2726	.1936	.3456	.0598	.2436
#1	.2494	39.86	1.917	2.019	1.926	2.055	2.014	41.00	2.071
#2	.2517	39.73	1.908	2.013	1.916	2.049	2.009	40.95	2.064
#3	.2489	39.78	1.924	2.023	1.921	2.056	2.023	40.96	2.074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.991**	**2.107**	**2.052**	**1.932**	**40.69**	**39.96**	**1.973**	**39.20**	**2.076**
Stddev	.004	.003	.009	.006	.05	.12	.006	.11	.008
%RSD	.2201	.1343	.4174	.3087	.1161	.2981	.3233	.2759	.3787
#1	1.990	2.107	2.048	1.930	40.74	40.04	1.979	39.19	2.071
#2	1.996	2.104	2.062	1.939	40.66	39.82	1.966	39.31	2.085
#3	1.988	2.110	2.046	1.927	40.66	40.01	1.975	39.10	2.072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.056**	**40.23**	**2.097**	**2.069**	**2.081**	**2.059**	**2.030**	**2.038**	**5.128**
Stddev	.003	.07	.002	.004	.005	.008	.008	.009	.010
%RSD	.1471	.1817	.0859	.1956	.2381	.3710	.3881	.4295	.1981
#1	2.057	40.29	2.098	2.071	2.085	2.059	2.028	2.038	5.130
#2	2.053	40.15	2.095	2.065	2.075	2.052	2.023	2.029	5.117
#3	2.059	40.24	2.098	2.072	2.083	2.067	2.038	2.047	5.137
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: CCV Acquired: 10/20/2025 13:01:12 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.069**	**2.045**	**2.030**	**2.043**	**2.023**	**2.034**	**2.094**	**2.027**
Stddev	.004	.007	.006	.008	.007	.002	.003	.006
%RSD	.1879	.3370	.2956	.3944	.3312	.1017	.1624	.3124
#1	2.069	2.048	2.026	2.045	2.021	2.033	2.097	2.024
#2	2.065	2.037	2.037	2.034	2.031	2.034	2.090	2.034
#3	2.073	2.050	2.028	2.050	2.018	2.037	2.095	2.022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6132.4**	**101030.**	**16648.**	**3086.4**
Stddev	2.0	513.	81.	3.4
%RSD	.03287	.50792	.48617	.11125
#1	6134.6	101550.	16656.	3086.0
#2	6130.8	100520.	16563.	3089.9
#3	6131.6	101030.	16724.	3083.1

Zoom In Zoom Out

Sample Name: CCB Acquired: 10/20/2025 13:05:43 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0006**	**-.0003**	**.0055**	**.0001**	**.0002**	**-.0011**	**.0084**	**.0003**
Stddev	.0004	.0054	.0035	.0002	.0001	.0000	.0004	.0023	.0001
%RSD	281.2	835.3	1218.	3.359	151.4	24.58	39.25	27.66	32.61
#1	.0004	.0055	-.0003	.0053	.0002	.0001	-.0006	.0060	.0004
#2	.0002	-.0030	-.0038	.0056	-.0000	.0002	-.0015	.0085	.0002
#3	-.0003	-.0045	.0032	.0054	.0000	.0002	-.0012	.0106	.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0015**	**.0002**	**.0003**	**.0007**	**.0034**	**.0072**	**.0001**	**.0101**	**.0008**
Stddev	.0014	.0002	.0001	.0003	.0016	.0158	.0010	.0065	.0003
%RSD	96.25	115.9	43.03	35.76	47.18	217.8	739.3	64.51	34.31
#1	-.0016	.0004	.0002	.0005	.0052	.0157	.0006	.0151	.0005
#2	-.0028	-.0000	.0003	.0007	.0024	.0170	-.0010	.0125	.0010
#3	.0000	.0001	.0005	.0010	.0025	-.0109	.0008	.0027	.0008
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.1299**	**.0002**	**-.0016**	**.0018**	**-.0021**	**-.0014**	**.0006**	**.0102**
Stddev	.0001	.0064	.0004	.0013	.0022	.0036	.0003	.0021	.0017
%RSD	3940.	4.941	190.6	82.30	120.8	173.3	24.80	333.6	16.35
#1	.0000	.1272	-.0002	-.0010	.0017	.0007	-.0012	.0029	.0121
#2	.0000	.1253	.0003	-.0006	.0040	-.0008	-.0017	-.0012	.0095
#3	-.0001	.1372	.0005	-.0030	-.0003	-.0061	-.0011	.0002	.0090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Inst QC: MA59580

Zoom In
Zoom Out

Sample Name: CCB Acquired: 10/20/2025 13:05:43 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0002**	**.0003**	**-.0023**	**.0005**	**-.0001**	**.0003**	**.0004**
Stddev	.0007	.0001	.0003	.0003	.0003	.0015	.0001	.0001
%RSD	1068.	51.14	93.19	11.08	52.18	1793.	47.79	36.04
#1	-.0000	.0001	-.0000	-.0026	.0003	.0016	.0003	.0003
#2	.0008	.0001	.0005	-.0023	.0008	-.0010	.0001	.0004
#3	-.0006	.0003	.0004	-.0021	.0005	-.0009	.0004	.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6114.2**	**101510.**	**16824.**	**3115.4**
Stddev	2.0	576.	141.	2.1
%RSD	.03239	.56711	.83750	.06826
#1	6116.2	101190.	16663.	3115.7
#2	6112.3	101170.	16923.	3113.1
#3	6114.2	102180.	16887.	3117.3

NOTE: The remaining raw data for this batch is not relevant to this job. As such it has been omitted.

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
	Ag 328.068 {103}	☒	21	Mn	0.000102	0.000000	No
				Mo	0.000020	-0.000003	No
				Ti	-0.000221	0.000000	No
				Fe	0.000003	0.000000	No
				Zn	-0.000001	0.000000	No
				Ca	-0.000001	0.000000	No
				Sr	0.000100	0.000000	No
				Mg	-0.000002	0.000000	No
				Ba	0.000071	0.000000	No
				Cr	0.000010	0.000000	No
				V	-0.001739	0.000000	No
				Al	0.000001	0.000000	No
				W	0.000015	0.000000	No
				Ce	-0.000660	0.000000	No
				Co	0.000000	0.000000	No
				B	0.000040	0.000000	No
				Zr	0.005230	0.000000	No
				S	-0.000002	0.000000	No
				Pb	0.000020	0.000000	No
				Sn	0.000100	0.000000	No
				Ni	-0.000045	0.000000	No
	Al 396.152 { 85}	☒	8	Si	0.000652	0.000000	No
				Ca	0.000053	0.000000	No
				Mo	0.045290	0.000000	No
				Zr	0.013719	0.000000	No
				Ti	-0.000583	0.000000	No
				Ce	0.010010	0.000000	No
				Cr	0.004890	0.000000	No
				As	0.010000	0.000000	No
	As 189.042 {478}	☒	23	Al	-0.000000	0.000000	No
				Fe	-0.000017	0.000000	No
				Ca	0.000004	0.000000	No
				Mo	0.002745	0.000000	No
				Cr	0.000719	0.000000	No
				Ba	0.000086	0.000000	No
				Sn	0.000148	0.000000	No
				Cd	-0.000208	0.000000	No
				Si	-0.000010	0.000000	No
				Zn	-0.000082	0.000000	No
				Sr	-0.000045	0.000000	No
				W	0.001499	0.000000	No
				Cu	0.000246	0.000000	No
				Co	-0.001000	0.000000	No
				Zr	-0.000009	0.000000	No
				Mn	0.000029	0.000000	No
				S	0.000003	0.000000	No
				Ti	0.000061	0.000000	No
				Mg	0.000003	0.000000	No
				Ce	-0.000210	0.000000	No
				Ni	0.000089	0.000000	No
				V	0.000117	0.000000	No
				B	0.000150	0.000000	No
	B 208.959 {462}	☒	1	Mo	0.039488	0.000000	No
	Ba 455.403 { 74}	☒	2	Zr	0.000000	0.000000	No
				Ca	-0.000005	0.000000	No
	Be 313.042 {108}	☒	15	V	0.001140	0.000000	No
				Mo	-0.000047	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Ti	-0.000074	0.000000	No
			Mn	0.000000	0.000000	No
			Cu	0.000005	0.000000	No
			Bi	0.000060	0.000000	No
			Fe	0.000000	0.000000	No
			Al	0.000000	0.000000	No
			Mg	0.000001	0.000000	No
			Ca	0.000000	0.000000	No
			Sr	0.000000	0.000000	No
			S	-0.000001	0.000000	No
			Ni	0.000000	0.000000	No
			Ce	0.000120	0.000000	No
			B	0.000150	0.000000	No
Bi 223.061 {451}	☒	10	Ti	-0.000819	0.000000	No
			V	-0.000164	0.000000	No
			Co	-0.000330	0.000000	No
			Ca	-0.000002	0.000000	No
			Mg	-0.000000	0.000000	No
			Fe	0.000051	0.000000	No
			Cr	0.001595	0.000000	No
			Cu	-0.001148	0.000000	No
			W	-0.000800	0.000000	No
			Ce	-0.000820	0.000000	No
Ca 317.933 {106}	☒	14	Fe	0.000012	0.000000	No
			W	0.000000	0.000000	No
			Tl	-0.000152	0.000000	No
			Be	0.001840	0.000000	No
			Ba	-0.001224	0.000000	No
			Cu	-0.000822	0.000000	No
			Cd	0.000010	0.000000	No
			Ni	0.000667	0.000000	No
			B	-0.000210	0.000000	No
			Se	0.000923	0.000000	No
			Co	-0.000408	0.000000	No
			Cr	0.000640	0.000000	No
			Al	-0.000000	0.000000	No
			As	0.010000	0.000000	No
Cd 228.802 {448}	☒	15	As	0.007270	0.000000	No
			Ni	-0.000018	0.000000	No
			Fe	-0.000000	0.000000	No
			V	0.000054	0.000000	No
			Ba	0.000064	0.000000	No
			Co	-0.000667	0.000000	No
			Sr	-0.000020	0.000000	No
			Mn	0.000018	0.000000	No
			Cu	-0.000026	0.000000	No
			Zn	-0.000018	0.000000	No
			W	-0.000172	0.000000	No
			Zr	-0.000006	0.000000	No
			Mg	0.000000	0.000000	No
			Ca	0.000005	0.000000	No
			Al	-0.000000	0.000000	No
Ce 404.076 { 83}	☒	4	Mn	-0.000361	0.000000	No
			Fe	0.000174	0.000000	No
			Ti	-0.001676	0.000000	No
			Zr	0.000310	0.000000	No
Co 228.616 {448}	☒	7	Fe	0.000005	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Mo	0.000043	0.000000	No
			Ni	0.000091	0.000000	No
			Ti	0.001745	0.000000	No
			Ba	0.000540	0.000000	No
			W	0.000327	0.000000	No
			Cd	-0.000510	0.000000	No
Cr 267.716 {126}	☒	9	Mn	0.000158	0.000000	No
			V	-0.000183	0.000000	No
			Mo	-0.000082	0.000000	No
			Fe	0.000004	0.000000	No
			Ti	0.000060	0.000000	No
			Ba	0.000045	0.000000	No
			Cu	0.000100	0.000000	No
			Sr	-0.000100	0.000000	No
			W	0.000000	0.000000	No
Cu 324.754 {104}2	☒	14	Cr	-0.000099	0.000000	No
			V	-0.000086	0.000000	No
			Mo	0.000670	0.000000	No
			Ti	-0.000033	0.000000	No
			Fe	-0.000109	0.000000	No
			Zn	-0.000041	0.000000	No
			Co	-0.001350	0.000000	No
			Si	0.000016	0.000000	No
			Mn	-0.000017	0.000000	No
			Se	0.000050	0.000000	No
			Sb	0.000069	0.000000	No
			W	-0.000000	0.000000	No
			Al	0.000001	0.000000	No
			Zr	0.000300	0.000000	No
Fe 259.940 {130}	☒	15	Si	0.000221	0.000000	No
			Tl	-0.000051	0.000000	No
			Cr	-0.000420	0.000000	No
			Mn	-0.000046	0.000000	No
			V	0.000131	0.000000	No
			Cu	-0.000015	0.000000	No
			Zn	0.000046	0.000000	No
			Ti	0.000000	0.000000	No
			Ca	-0.000116	0.000000	No
			Ba	-0.000500	0.000000	No
			Mo	0.002980	0.000000	No
			Ni	0.000000	0.000000	No
			Al	-0.000078	0.000000	No
			As	0.000000	0.000000	No
			Li	-0.000500	0.000000	No
In 230.606 {446}*	☐	None				
K 766.490 { 44}	☒	11	Fe	0.000550	0.000000	No
			Al	0.000077	0.000000	No
			Ca	-0.000121	0.000000	No
			Mn	-0.007074	0.000000	No
			Si	-0.003000	0.000000	No
			V	-0.002000	0.000000	No
			Sn	-0.004700	0.000000	No
			Ba	-0.010574	0.000000	No
			Mo	-0.000850	0.000000	No
			Cu	-0.011483	0.000000	No
			Ni	-0.010000	0.000000	No
Li 670.784 { 50}	☒	2	Ca	0.000019	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Fe	-0.000008	0.000000	No
Mg 279.079 {121}	☒	3	Mo	-0.013702	0.000000	No
			W	-0.000030	0.000000	No
			Mn	-0.002445	0.000000	No
Mn 257.610 {131}	☒	8	Fe	0.000008	0.000000	No
			Si	0.000010	0.000000	No
			Ba	0.000004	0.000000	No
			Ni	0.000028	0.000000	No
			Al	0.000000	0.000000	No
			Ca	0.000010	0.000000	No
			Mg	0.000003	0.000000	No
			W	0.000260	0.000000	No
Mo 202.030 {467}	☒	2	Al	-0.000004	0.000000	No
			Fe	-0.000010	0.000000	No
Na 589.592 { 57}	☒	4	K	0.000040	0.000000	No
			Ba	0.000900	0.000000	No
			Ca	-0.000070	0.000000	No
			V	-0.005000	0.000000	No
Ni 231.604 {446}	☒	9	Fe	0.000033	0.000000	No
			Zn	-0.000013	0.000000	No
			Be	0.000213	0.000000	No
			Co	0.000141	0.000000	No
			Tl	0.000209	0.000000	No
			Mo	0.000026	0.000000	No
			Cu	0.000050	0.000000	No
			Se	0.000100	0.000000	No
			Ca	0.000000	0.000000	No
P 177.495 {490}	☒	13	Mn	-0.000215	0.000000	No
			Al	0.000028	0.000000	No
			V	0.001097	0.000000	No
			Si	0.000178	0.000000	No
			Ti	0.000000	0.000000	No
			Mo	0.000000	0.000000	No
			S	0.000015	0.000000	No
			Co	0.000352	0.000000	No
			Cu	0.003229	0.000000	No
			Ca	0.000024	0.000000	No
			Cr	0.000099	0.000000	No
			Fe	0.000057	0.000000	No
			W	0.002000	0.000000	No
Pb 220.353 {453}	☒	22	Al	-0.000056	0.000000	No
			Fe	0.000040	0.000000	No
			Ca	0.000003	0.000000	No
			Mn	0.000084	0.000000	No
			Mo	-0.001031	0.000000	No
			Cu	0.000399	0.000000	No
			Co	-0.001002	0.000000	No
			Ti	-0.000378	0.000000	No
			Si	0.000096	0.000000	No
			Ba	-0.000022	0.000000	No
			Sb	-0.000084	0.000000	No
			Sr	-0.000033	0.000000	No
			W	-0.000312	0.000000	No
			Mg	0.000007	0.000000	No
			Cd	0.000012	0.000000	No
			Cr	-0.000015	0.000000	No
			Ni	-0.000150	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			S	-0.000003	0.000000	No
			Zn	0.000064	0.000000	No
			Ce	0.000770	0.000000	No
			Zr	-0.000409	0.000000	No
			V	0.000112	0.000000	No
S 182.034 {485}	☒	9	Mo	0.001470	0.000000	No
			Al	0.000008	0.000000	No
			Fe	-0.000011	0.000000	No
			Mn	0.005259	0.000000	No
			W	-0.000026	0.000000	No
			Ca	0.000036	0.000000	No
			Mg	0.000012	0.000000	No
			Ce	-0.002570	0.000000	No
			Ba	0.004000	0.000000	No
Sb 206.833 {463}	☒	20	Fe	0.000019	0.000000	No
			Al	-0.000001	0.000000	No
			Ca	0.000006	0.000000	No
			Ni	-0.000022	0.000000	No
			Cr	0.013698	0.000000	No
			V	-0.002123	0.000000	No
			Zn	-0.000035	0.000000	No
			Mo	0.000356	0.000000	No
			Ti	0.000160	0.000000	No
			Sn	-0.002790	0.000000	No
			Mg	-0.000001	0.000000	No
			Zr	-0.000120	0.000000	No
			Sr	0.000031	0.000000	No
			B	-0.000100	0.000000	No
			Co	-0.000102	0.000000	No
			W	0.001030	0.000000	No
			Si	0.000030	0.000000	No
			Ce	-0.000870	0.000000	No
			Mn	-0.000139	0.000000	No
			S	-0.000005	0.000000	No
Se 196.090 {472}	☒	24	Al	0.000004	0.000000	No
			Ca	-0.000004	0.000000	No
			Mn	0.000114	0.000000	No
			Mo	0.000100	0.000000	No
			Fe	-0.000067	0.000000	No
			Co	-0.000173	0.000000	No
			Sr	-0.000011	0.000000	No
			Cu	0.000076	0.000000	No
			W	0.006890	0.000000	No
			Si	0.000054	0.000000	No
			Be	-0.000347	0.000000	No
			Zn	0.000050	0.000000	No
			B	0.000028	0.000000	No
			Ti	-0.000067	0.000000	No
			Cd	0.000090	0.000000	No
			Zr	-0.000297	0.000000	No
			Ba	-0.000046	0.000000	No
			Mg	0.000002	0.000000	No
			Pb	-0.000078	0.000000	No
			Ni	0.000043	0.000000	No
			Cr	-0.000024	0.000000	No
			S	-0.000004	0.000000	No
			V	-0.000063	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Ce	-0.000130	0.000000	No
Si 212.412 {459}	☒	18	Sr	0.000366	0.000000	No
			Ni	0.000021	0.000000	No
			Mo	0.028000	0.000000	No
			V	0.019350	0.000000	No
			Ti	0.005473	0.000000	No
			Al	0.000002	0.000000	No
			Cd	0.001043	0.000000	No
			Ba	0.001987	0.000000	No
			Sn	0.007500	0.000000	No
			Zn	0.000385	0.000000	No
			Be	-0.000048	0.000000	No
			W	0.010427	0.000000	No
			Ca	0.000017	0.000000	No
			Fe	0.000010	0.000000	No
			Mg	-0.000014	0.000000	No
			S	0.000200	0.000000	No
			As	0.080000	0.000000	No
			Co	0.020000	0.000000	No
Sn 189.989 {478}	☒	5	Ti	-0.001934	0.000000	No
			Fe	0.000004	0.000000	No
			Si	0.000000	0.000000	No
			Zr	0.000394	0.000000	No
			W	0.000000	0.000000	No
Sr 407.771 { 83}	☒	2	Ca	0.000005	0.000000	No
			Si	0.000033	0.000000	No
Ti 334.904 {101}	☒	4	Cr	-0.000063	0.000000	No
			Mo	0.001093	0.000000	No
			Si	0.000035	0.000000	No
			Li	0.000000	0.000000	No
Tl 190.856 {477}	☒	27	Cr	0.000215	0.000000	No
			Mo	0.000131	0.000000	No
			Al	-0.000003	0.000000	No
			Fe	-0.000025	0.000000	No
			V	-0.010956	0.000000	No
			Mn	0.001217	0.000000	No
			Si	-0.000048	0.000000	No
			Ca	-0.000003	0.000000	No
			Ti	-0.001251	0.000000	No
			Mg	0.000002	0.000000	No
			Co	0.003714	0.000000	No
			Sr	0.000210	0.000000	No
			B	-0.000003	0.000000	No
			Ba	0.000034	0.000000	No
			Zn	-0.000053	0.000000	No
			As	0.000280	0.000000	No
			W	-0.000800	0.000000	No
			Cu	0.000000	0.000000	No
			Pb	0.000147	0.000000	No
			S	0.000010	0.000000	No
			Sn	-0.000086	0.000000	No
			Li	0.000000	0.000000	No
			K	0.000000	0.000000	No
			Zr	-0.000040	0.000000	No
			Ce	-0.000040	0.000000	No
			P	0.000000	0.000000	No
			Ni	0.000047	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
	V 292.402 {115}	☒	7	Ti	0.000779	0.000000	No
				Mo	-0.000954	0.000000	No
				Fe	0.000024	0.000000	No
				Sr	-0.000100	0.000000	No
				Cr	-0.001171	0.000000	No
				Mn	-0.000100	0.000000	No
				Al	0.000000	0.000000	No
	W 207.911 {462}	☒	20	Si	0.000105	0.000000	No
				As	0.000100	0.000000	No
				Mn	0.000066	0.000000	No
				Mo	-0.000300	0.000000	No
				Ti	0.000080	0.000000	No
				Sr	-0.000850	0.000000	No
				V	-0.000140	0.000000	No
				Cd	-0.000650	0.000000	No
				Cr	-0.000390	0.000000	No
				Zn	0.012306	0.000000	No
				Sn	-0.000320	0.000000	No
				Zr	0.000061	0.000000	No
				B	0.000009	0.000000	No
				Sb	-0.000300	0.000000	No
				Co	-0.001000	0.000000	No
				Ni	0.000050	0.000000	No
				Be	-0.000185	0.000000	No
				Se	-0.000105	0.000000	No
				Cu	-0.000138	0.000000	No
				Tl	-0.000220	0.000000	No
	Y 360.073 { 94}*	☐	None				
	Y 371.030 { 91}*	☐	None				
	Y 224.306 {451}*	☐	None				
	Zn 206.200 {464}	☒	12	Cr	-0.000843	0.000000	No
				Fe	0.000002	0.000000	No
				Si	0.000015	0.000000	No
				Mn	-0.000045	0.000000	No
				Ba	-0.000060	0.000000	No
				Sn	-0.000023	0.000000	No
				Cu	0.000148	0.000000	No
				As	0.000055	0.000000	No
				Be	0.000058	0.000000	No
				Ca	0.000014	0.000000	No
				W	0.001027	0.000000	No
				V	0.000264	0.000000	No
	Zr 339.198 { 99}	☒	13	Mo	0.001036	0.000000	No
				Ti	-0.000044	0.000000	No
				Fe	-0.000028	0.000000	No
				Si	0.000032	0.000000	No
				S	0.000000	0.000000	No
				Cr	-0.000200	0.000000	No
				W	0.001099	0.000000	No
				V	0.000800	0.000000	No
				Ni	0.000000	0.000000	No
				As	0.000000	0.000000	No
				Sn	0.000000	0.000000	No
				Sb	0.000000	0.000000	No
				Ce	0.000000	0.000000	No

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
Ag 328.068 {103}	10/20/2025 21:57:06	10/20/2025 7:30:00	Linear	None	-0.000182	0.145243	0.000000	1.000000
Al 396.152 { 85}	10/20/2025 21:57:06	10/20/2025 7:30:00	Linear	None	0.000244	0.047965	0.000000	1.000000
As 189.042 {478}	10/20/2025 21:57:06	10/20/2025 7:30:00	Linear	None	-0.000051	0.062519	0.000000	1.000000
B 208.959 {462}	10/20/2025 21:57:06	10/20/2025 7:30:00	Linear	None	0.000488	0.256942	0.000000	1.000000
Ba 455.403 { 74}	10/20/2025 21:57:06	10/20/2025 7:30:00	Linear	None	0.001145	2.218923	0.000000	1.000000
Be 313.042 {108}	10/20/2025 21:57:06	10/20/2025 7:30:00	Linear	None	0.000438	2.862588	0.000000	1.000000
Bi 223.061 {451}	10/20/2025 21:57:06	10/20/2025 7:30:00	Linear	None	-0.001350	0.249024	0.000000	1.000000
Ca 317.933 {106}	10/20/2025 21:57:06	10/20/2025 7:30:00	Linear	None	0.003811	0.089372	0.000000	1.000000
Cd 228.802 {448}	10/20/2025 21:57:06	10/20/2025 7:30:00	Linear	None	0.000761	1.085841	0.000000	1.000000
Ce 404.076 { 83}	10/20/2025 21:57:06	10/20/2025 7:30:00	Linear	1/Conc	-0.000214	0.048029	0.000000	1.000000
Co 228.616 {448}	10/20/2025 21:57:06	10/20/2025 7:30:00	Linear	None	-0.000240	0.428433	0.000000	1.000000
Cr 267.716 {126}	10/20/2025 21:57:06	10/20/2025 7:30:00	Linear	None	-0.000005	0.124885	0.000000	1.000000
Cu 324.754 {104}2	10/20/2025 21:57:06	10/20/2025 7:30:00	Linear	None	0.009514	0.329308	0.000000	1.000000
Fe 259.940 {130}	10/20/2025 21:57:06	10/20/2025 7:30:00	Linear	None	0.000001	0.043574	0.000000	1.000000
In 230.606 {446}*	10/20/2025 21:57:06	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
K 766.490 { 44}	10/20/2025 21:57:06	10/20/2025 7:30:00	Linear	None	0.000646	0.017222	0.000000	1.000000
Li 670.784 { 50}	10/20/2025 21:57:06	10/20/2025 7:30:00	Linear	None	0.001121	0.402083	0.000000	1.000000
Mg 279.079 {121}	10/20/2025 21:57:06	10/20/2025 7:30:00	Linear	None	-0.000163	0.006982	0.000000	1.000000
Mn 257.610 {131}	10/20/2025 21:57:06	10/20/2025 7:30:00	Linear	None	0.000102	0.735627	0.000000	1.000000
Mo 202.030 {467}	10/20/2025 21:57:06	10/20/2025 7:30:00	Linear	None	0.000857	0.658355	0.000000	1.000000
Na 589.592 { 57}	10/20/2025 21:57:06	10/20/2025 7:30:00	Linear	None	0.002782	0.075475	0.000000	1.000000
Ni 231.604 {446}	10/20/2025 21:57:06	10/20/2025 7:30:00	Linear	None	0.000332	0.365841	0.000000	1.000000
P 177.495 {490}	10/20/2025 21:57:06	10/20/2025 7:30:00	Linear	1/Conc	-0.001398	0.087942	0.000000	1.000000
Pb 220.353 {453}	10/20/2025 21:57:06	10/20/2025 7:30:00	Linear	None	0.000010	0.175211	0.000000	1.000000
S 182.034 {485}	10/20/2025 21:57:06	10/20/2025 7:30:00	Linear	None	0.000296	0.052268	0.000000	1.000000
Sb 206.833 {463}	10/20/2025 21:57:06	10/20/2025 7:30:00	Linear	None	0.000456	0.172112	0.000000	1.000000
Se 196.090 {472}	10/20/2025 21:57:06	10/20/2025 7:30:00	Linear	None	0.000052	0.078485	0.000000	1.000000
Si 212.412 {459}	10/20/2025 21:57:06	10/20/2025 7:30:00	Linear	None	0.004811	0.212833	0.000000	1.000000
Sn 189.989 {478}	10/20/2025 21:57:06	10/20/2025 7:30:00	Linear	None	0.000337	0.119584	0.000000	1.000000
Sr 407.771 { 83}	10/20/2025 21:57:06	10/20/2025 7:30:00	Linear	None	0.000596	4.548617	0.000000	1.000000
Ti 334.904 {101}	10/20/2025 21:57:06	10/20/2025 7:30:00	Linear	None	-0.000003	0.146073	0.000000	1.000000
Tl 190.856 {477}	10/20/2025 21:57:06	10/20/2025 7:30:00	Linear	None	-0.000214	0.036127	0.000000	1.000000
V 292.402 {115}	10/20/2025 21:57:06	10/20/2025 7:30:00	Linear	None	0.000015	0.216824	0.000000	1.000000
W 207.911 {462}	10/20/2025 21:57:06	10/20/2025 7:30:00	Linear	None	0.000905	0.359040	0.000000	1.000000
Y 360.073 { 94}*	10/20/2025 21:57:06	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}*	10/20/2025 21:57:06	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 224.306 {451}*	10/20/2025 21:57:06	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Zn 206.200 {464}	10/20/2025 21:57:06	10/20/2025 7:30:00	Linear	None	0.001886	0.899896	0.000000	1.000000
Zr 339.198 { 99}	10/20/2025 21:57:06	10/20/2025 7:30:00	Linear	None	-0.000523	0.487689	0.000000	1.000000

	Element, Wavelength and Order	Correlation	Std Error of Est	Predicted MDL	Predicted MQL	Status	Reslope		QC Norm	
							Slope	Y-int	Slope factor	Offset
	Ag 328.068 {103}	1.000000	0.000000	0.000420	0.001399	OK.	1.000000	0.000000	1	0
	Al 396.152 { 85}	1.000000	0.000000	0.007668	0.025560	OK.	1.000000	0.000000	1	0
	As 189.042 {478}	1.000000	0.000000	0.002606	0.008687	OK.	1.000000	0.000000	1	0
	B 208.959 {462}	1.000000	0.000000	0.000777	0.002590	OK.	1.000000	0.000000	1	0
	Ba 455.403 { 74}	1.000000	0.000000	0.000229	0.000764	OK.	1.000000	0.000000	1	0
	Be 313.042 {108}	1.000000	0.000000	0.000060	0.000199	OK.	1.000000	0.000000	1	0
	Bi 223.061 {451}	1.000000	0.000000	0.001608	0.005360	OK.	1.000000	0.000000	1	0
	Ca 317.933 {106}	1.000000	0.000000	0.002405	0.008015	OK.	1.000000	0.000000	1	0
	Cd 228.802 {448}	1.000000	0.000000	0.000236	0.000787	OK.	1.000000	0.000000	1	0
	Ce 404.076 { 83}	1.000000	0.000000	0.002429	0.008098	OK.	1.000000	0.000000	1	0
	Co 228.616 {448}	1.000000	0.000000	0.000351	0.001169	OK.	1.000000	0.000000	1	0
	Cr 267.716 {126}	1.000000	0.000000	0.000335	0.001118	OK.	1.000000	0.000000	1	0
	Cu 324.754 {104}2	1.000000	0.000000	0.000305	0.001015	OK.	1.000000	0.000000	1	0
	Fe 259.940 {130}	1.000000	0.000000	0.002142	0.007141	OK.	1.000000	0.000000	1	0
	In 230.606 {446}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
	K 766.490 { 44}	1.000000	0.000000	0.038182	0.127274	OK.	1.000000	0.000000	1	0
	Li 670.784 { 50}	1.000000	0.000000	0.001552	0.005173	OK.	1.000000	0.000000	1	0
	Mg 279.079 {121}	1.000000	0.000000	0.019353	0.064509	OK.	1.000000	0.000000	1	0
	Mn 257.610 {131}	1.000000	0.000000	0.000053	0.000177	OK.	1.000000	0.000000	1	0
	Mo 202.030 {467}	1.000000	0.000000	0.000359	0.001197	OK.	1.000000	0.000000	1	0
	Na 589.592 { 57}	1.000000	0.000000	0.008018	0.026727	OK.	1.000000	0.000000	1	0
	Ni 231.604 {446}	1.000000	0.000000	0.000469	0.001563	OK.	1.000000	0.000000	1	0
	P 177.495 {490}	1.000000	0.000000	0.001831	0.006102	OK.	1.000000	0.000000	1	0
	Pb 220.353 {453}	1.000000	0.000000	0.001546	0.005152	OK.	1.000000	0.000000	1	0
	S 182.034 {485}	1.000000	0.000000	0.003502	0.011675	OK.	1.000000	0.000000	1	0
	Sb 206.833 {463}	1.000000	0.000000	0.001616	0.005388	OK.	1.000000	0.000000	1	0
	Se 196.090 {472}	1.000000	0.000000	0.002669	0.008897	OK.	1.000000	0.000000	1	0
	Si 212.412 {459}	1.000000	0.000000	0.001333	0.004442	OK.	1.000000	0.000000	1	0
	Sn 189.989 {478}	1.000000	0.000000	0.001313	0.004377	OK.	1.000000	0.000000	1	0
	Sr 407.771 { 83}	1.000000	0.000000	0.000068	0.000227	OK.	1.000000	0.000000	1	0
	Ti 334.904 {101}	1.000000	0.000000	0.000365	0.001215	OK.	1.000000	0.000000	1	0
	Tl 190.856 {477}	1.000000	0.000000	0.002558	0.008528	OK.	1.000000	0.000000	1	0
	V 292.402 {115}	1.000000	0.000000	0.000267	0.000890	OK.	1.000000	0.000000	1	0
	W 207.911 {462}	1.000000	0.000000	0.001382	0.004607	OK.	1.000000	0.000000	1	0
	Y 360.073 { 94}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
	Y 371.030 { 91}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
	Y 224.306 {451}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
	Zn 206.200 {464}	1.000000	0.000000	0.000234	0.000781	OK.	1.000000	0.000000	1	0
	Zr 339.198 { 99}	1.000000	0.000000	0.000168	0.000561	OK.	1.000000	0.000000	1	0

SGS North America Inc.

Aqueous Metals Digestion Form

Batch Information

Batch ID	Start Date	Start Time	End Date	End time	QC Samp 1	QC Samp 2
MP57944	10/14/2025	15:20	10/14/2025	18:20	JE20847-4	JE20825-1

Temperature

		Block ID1	Therm. ID#	Temperature	Correction	Corrected Temp
1	Start	MP-16	5624780	94	1	95
1	End	MP-16	5624780	94	1	95
2	Start					
2	End					

Methods and Equipment

	Dig. Method	Heating Method		Auto Pipette #	Digestion Tube Lot #	
	SW846 3010A	Digestion Block		M-118	LV25030103	

Sample ID	Bottle Number	pH<2 (Y/N)_	Initial Sample Volume	Final Volume in ML	Reagent Groups Added	Spike Groups Added	Comments
MP57944-MB1	N/A	N	50	50	AB		
MP57944-B1	N/A	N	50	50	AB	ABCD	
MP57944-S1	1	Y	50	50	AB	ABCD	
MP57944-S2	1	Y	50	50	AB	ABCD	
MP57944-SD1	1	Y	50	50	AB		
JE20818-1	1	Y	50	50	AB		
JE20818-2	1	Y	50	50	AB		
JE20818-3	1	Y	50	50	AB		
JE20825-1	3	Y	50	50	AB		
JE20825-3	3	Y	50	50	AB		
JE20825-5	3	Y	50	50	AB		
JE20847-3	1	Y	50	50	AB		
JE20847-3F	2	Y	50	50	AB		
JE20847-4	1	Y	50	50	AB		
JE20847-4F	2	Y	50	50	AB		
JE20847-5	1	Y	50	50	AB		
JE20847-5F	2	Y	50	50	AB		
JE20847-6	1	Y	50	50	AB		
JE20847-6F	2	Y	50	50	AB		
JE20934-12	1	Y	50	50	AB		
JE20934-13	1	Y	50	50	AB		
JE20934-6	1	Y	50	50	AB		
JE20934-7	1	Y	50	50	AB		
MP57944-B2	N/A	N	50	50	AB	EFGHI	*
MP57944-S3	1	Y	50	50	AB	EFGHI	*
MP57944-S4	1	Y	50	50	AB	EFGHI	*
MP57944-MB2	N/A	N	50	50	AB		
MP57944-B3	N/A	N	50	50	AB	ABCD	
MP57944-S5	3	Y	50	50	AB	ABCD	
MP57944-S6	3	Y	50	50	AB	ABCD	
MP57944-SD2	3	Y	50	50	AB	ABCD	

Reagents Groups

Group	Description	MLs Used
A	1:1 HCL	5
B	CONC. HNO3	3
C		
D		
E		
F		
G		
H		

Spike Groups

Group	Description	MLs Used
A	ACCUTEST 13A REV1	0.5
B	ACCUTEST 14A REV1	0.5
C	MINERALS 5000 PPM	0.25
D	AG 20 PPM	0.625
E	ACCUTEST 13B REV1	0.2
F	ACCUTEST 14B REV1	0.2
G	MINERALS 1000 PPM	0.2
H	AG 20 PPM	0.2
I		

Comments: *SPIKE GROUP I: 0.8 ML SE 20 PPM

Analyst SENAK **Approved by** MARINELI **Approved on** 10/17/2025

Note: Reagent traceability for batch Start Date can be seen on the reagent traceability page for this batch.
Serial Dilution samples shown for QC purposes only.
Acceptable Temperature range is 90-95 degrees C unless otherwise noted

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries
- Instrument Runlogs/QC

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Alkalinity, Total as CaCO3	GN74665	5.0	0.0	mg/l	50	51.7	103.4	90-110%
Alkalinity, Total as CaCO3	GN74665			mg/l	250	238	95.2	90-110%
Chloride	GP64893/GN75008	2.0	0.0	mg/l	80	85.2	106.5	90-110%
Nitrogen, Nitrate + Nitrite	GP65048/GN75322	0.10	0.0	mg/l	2	1.97	98.5	90-110%
Nitrogen, Nitrite	GN74573	0.010	0.0	mg/l	0.04	0.041	102.5	90-110%
Nitrogen, Total Kjeldahl	GP64753/GN74755	0.20	0.16	mg/l	3	3.19	106.3	90-110%
Sulfate	GP64893/GN75008	2.0	1.1	mg/l	80	87.2	109.0	90-110%
Sulfide	GN74687			mg/l	10.0	10.0	100.0	80-120%
Sulfide	GN74687	2.0	0.0	mg/l	5.0	5.0	100.0	80-120%
Total Organic Carbon	GP64712/GN74908	1.0	0.0	mg/l	10	10.9	109.0	90-110%

Associated Samples:
Batch GN74573: JE20825-1, JE20825-3, JE20825-5
Batch GN74665: JE20825-1, JE20825-3, JE20825-5
Batch GN74687: JE20825-1, JE20825-3, JE20825-5
Batch GP64712: JE20825-1, JE20825-3, JE20825-5
Batch GP64753: JE20825-1, JE20825-3, JE20825-5
Batch GP64893: JE20825-1, JE20825-3, JE20825-5
Batch GP65048: JE20825-1, JE20825-3, JE20825-5
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Alkalinity, Total as CaCO3	GN74665	JE20825-1	mg/l	696	699	0.4	0-10%
Nitrogen, Nitrate + Nitrite	GP65048/GN75322	JE20825-1	mg/l	0.0	0.0	0.0	0-20%
Nitrogen, Total Kjeldahl	GP64753/GN74755	JE20936-2	mg/l	0.19	0.15	23.5(a)	0-20%
Sulfide	GN74687	JE20825-1	mg/l	0.0	0.60	200.0(a)	0-12%

Associated Samples:
Batch GN74665: JE20825-1, JE20825-3, JE20825-5
Batch GN74687: JE20825-1, JE20825-3, JE20825-5
Batch GP64753: JE20825-1, JE20825-3, JE20825-5
Batch GP65048: JE20825-1, JE20825-3, JE20825-5
(*) Outside of QC limits
(a) RPD acceptable due to low duplicate and sample concentrations.

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Chloride	GP64893/GN75060	JE20825-1	mg/l	441	80	524	103.8	80-120%
Nitrogen, Nitrate + Nitrite	GP65048/GN75322	JE20825-1	mg/l	0.0	2	1.7	85.0N(a)	90-110%
Nitrogen, Nitrate + Nitrite	GP65048/GN75322	JE20825-3	mg/l	0.0	2	1.7	85.0N(a)	90-110%
Nitrogen, Nitrite	GN74573	JE20786-1	mg/l	0.0	0.04	0.041	102.5	22-140%
Nitrogen, Total Kjeldahl	GP64753/GN74755	JE20936-2	mg/l	0.19	3	3.0	93.7	90-110%
Sulfate	GP64893/GN75008	JE20825-1	mg/l	17.6	80	101	104.3	80-120%
Sulfide	GN74687	JE20825-2	mg/l	0.60	5.0	5.3	94.0	37-135%
Total Organic Carbon	GP64712/GN74908	JE20901-3	mg/l	21.3	10	32.4	111.0	85-115%

Associated Samples:
Batch GN74573: JE20825-1, JE20825-3, JE20825-5
Batch GN74687: JE20825-1, JE20825-3, JE20825-5
Batch GP64712: JE20825-1, JE20825-3, JE20825-5
Batch GP64753: JE20825-1, JE20825-3, JE20825-5
Batch GP64893: JE20825-1, JE20825-3, JE20825-5
Batch GP65048: JE20825-1, JE20825-3, JE20825-5
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Spike recovery indicates possible matrix interference.

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MSD Result	RPD	QC Limit
Chloride	GP64893/GN75060	JE20825-1	mg/l	441	80	544	3.7	20%
Nitrogen, Nitrite	GN74573	JE20786-1	mg/l	0.0	0.04	0.041	0.0	20%
Sulfate	GP64893/GN75008	JE20825-1	mg/l	17.6	80	103	2.0	20%
Total Organic Carbon	GP64712/GN74908	JE20901-3	mg/l	21.3	10	32.5	0.3	15%

Associated Samples:
Batch GN74573: JE20825-1, JE20825-3, JE20825-5
Batch GP64712: JE20825-1, JE20825-3, JE20825-5
Batch GP64893: JE20825-1, JE20825-3, JE20825-5
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: E101425W1.TKN Date Analyzed: 10/14/25 Methods: EPA 351.2/LACHAT
Analyst: SS Run ID: GN74755
Parameters: Nitrogen, Total Kjeldahl

Time	Sample Description	Dilution Factor	PS Recov	Comments
17:25	GN74755-STD1	1		STDA
17:26	GN74755-STD2	1		STDB
17:27	GN74755-STD3	1		STDC
17:27	GN74755-STD4	1		STDD
17:28	GN74755-STD5	1		STDE
17:29	GN74755-STD6	1		STDF
17:30	GN74755-STD7	1		STDG
17:31	GN74755-STD8	1		STDH
17:32	GN74755-ICV1	1		
17:33	GN74755-ICB1	1		
17:34	GN74755-CCV1	1		
17:35	GN74755-CCB1	1		
17:42	GN74755-CCV2	1		
17:43	GN74755-CCB2	1		
17:44	GP64753-MB1	1		
17:45	GP64753-B1	1		
17:46	GP64753-S1	1		
17:47	GP64753-D1	1		
17:48	JE20936-2	1		(sample used for QC only; not part of login JE20825)
17:49	ZZZZZZ	1		
17:50	ZZZZZZ	1		
17:51	ZZZZZZ	1		
17:52	ZZZZZZ	1		
17:52	ZZZZZZ	1		
17:53	GN74755-CCV3	1		
17:54	GN74755-CCB3	1		
17:55	ZZZZZZ	1		
17:56	ZZZZZZ	1		
17:57	ZZZZZZ	1		
17:58	ZZZZZZ	1		
17:59	JE20825-1	1		
17:59	ZZZZZZ	1		
18:00	JE20825-3	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: E101425W1.TKN Date Analyzed: 10/14/25 Methods: EPA 351.2/LACHAT
Analyst: SS Run ID: GN74755
Parameters: Nitrogen, Total Kjeldahl

Time	Sample Description	Dilution Factor	PS Recov	Comments
18:02	ZZZZZZ	1		
18:03	ZZZZZZ	1		
18:04	GN74755-CCV4	1		
18:05	GN74755-CCB4	1		
18:06	JE20825-5	1		
18:07	ZZZZZZ	50		
18:09	GN74755-CCV5	1		
18:10	GN74755-CCB5	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: E101425W1.TKN Date Analyzed: 10/14/25 Methods: EPA 351.2/LACHAT
Run ID: GN74755 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN74755-ICV1	Nitrogen, Total Kjeldahl	3.08	0.20	0.14	3	102.7	90-110
GN74755-ICB1	Nitrogen, Total Kjeldahl	0.14 U	0.20	0.14			
GN74755-CCV1	Nitrogen, Total Kjeldahl	2.80	0.20	0.14	3	93.3	90-110
GN74755-CCB1	Nitrogen, Total Kjeldahl	0.14 U	0.20	0.14			
GN74755-CCV2	Nitrogen, Total Kjeldahl	3.08	0.20	0.14	3	102.7	90-110
GN74755-CCB2	Nitrogen, Total Kjeldahl	0.14 U	0.20	0.14			
GN74755-CCV3	Nitrogen, Total Kjeldahl	3.10	0.20	0.14	3	103.3	90-110
GN74755-CCB3	Nitrogen, Total Kjeldahl	0.14 U	0.20	0.14			
GN74755-CCV4	Nitrogen, Total Kjeldahl	3.08	0.20	0.14	3	102.7	90-110
GN74755-CCB4	Nitrogen, Total Kjeldahl	0.14 U	0.20	0.14			
GN74755-CCV5	Nitrogen, Total Kjeldahl	3.09	0.20	0.14	3	103.0	90-110
GN74755-CCB5	Nitrogen, Total Kjeldahl	0.14 U	0.20	0.14			

(!) Outside of QC limits

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: G251015W2.TXT Date Analyzed: 10/15/25 Methods: SM5310 B-11, SM5310 B-11/14
Analyst: MB Run ID: GN74908
Parameters: Total Organic Carbon

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:28	GN74908-STD1	1		STDA
14:39	GN74908-STD2	1		STDB
15:50	GN74908-STD3	1		STDC
16:48	GN74908-STD4	1		STDD
17:59	GN74908-STD5	1		STDE
19:11	GN74908-STD6	1		STDF
20:10	GN74908-STD7	1		STDG
21:10	GN74908-STD8	1		STDH
11:12	ZZZZZZ	1		
11:58	GN74908-CRI1	1		
12:23	GN74908-HSTD1	1		
12:49	GN74908-ICV1	1		
13:18	GN74908-ICB1	1		
17:25	GN74908-CCVA1	1		
17:49	GN74908-CCB1	1		
18:12	ZZZZZZ	1		
18:40	GP64711-MB1	1		
19:01	GP64711-B1	1		
20:06	JE20852-5	1		(sample used for QC only; not part of login JE20825)
20:27	GP64711-S1	1		
20:49	GP64711-MSD1	1		
21:11	ZZZZZZ	1		
21:31	ZZZZZZ	1		
21:54	ZZZZZZ	1		
22:19	ZZZZZZ	1		
22:40	GN74908-CCV1	1		
23:03	GN74908-CCB2	1		
23:26	ZZZZZZ	1		
23:50	ZZZZZZ	1		
00:10	ZZZZZZ	1		
00:33	ZZZZZZ	1		
01:00	GP64712-MB1	1		
01:21	GP64712-B1	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: G251015W2.TXT Date Analyzed: 10/15/25 Methods: SM5310 B-11, SM5310 B-11/14
Analyst: MB Run ID: GN74908
Parameters: Total Organic Carbon

Time	Sample Description	Dilution Factor	PS Recov	Comments
01:45	JE20901-3	1		(sample used for QC only; not part of login JE20825)
02:07	GP64712-S1	1		
02:28	GP64712-MSD1	1		
02:50	ZZZZZZ	1		
03:11	GN74908-CCVA2	1		
03:35	GN74908-CCB3	1		
03:58	ZZZZZZ	1		
04:21	ZZZZZZ	1		
04:44	JE20825-1	1		
05:25	JE20825-3	1		
05:46	JE20825-5	1		
06:07	ZZZZZZ	1		
06:28	ZZZZZZ	1		
06:55	GP64785-MB1	1		
07:15	GP64785-B1	1		
07:37	GN74908-CCV2	1		
08:01	GN74908-CCB4	1		
08:24	JE20989-1	1		(sample used for QC only; not part of login JE20825)
08:45	GP64785-S1	1		overrange, see rerun
09:07	GP64785-MSD1	1		overrange, see rerun
09:29	ZZZZZZ	1		
09:53	ZZZZZZ	1		
10:14	ZZZZZZ	1		
10:38	ZZZZZZ	1		
11:13	GN74908-CCVA3	1		
11:36	GN74908-CCB5	1		
11:59	ZZZZZZ	10		
12:20	JE20989-1	5		(sample used for QC only; not part of login JE20825)
12:42	GP64785-S1	5		
13:03	GP64785-MSD1	5		
13:25	ZZZZZZ	5		
13:48	GP64784-MB2	1		
14:11	GP64784-B3	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: G251015W2.TXT Date Analyzed: 10/15/25 Methods: SM5310 B-11, SM5310 B-11/14
Analyst: MB Run ID: GN74908
Parameters: Total Organic Carbon

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:32	ZZZZZZ	5		
15:26	GN74908-CCV3	1		
15:51	GN74908-CCB6	1		
16:34	ZZZZZZ	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: G251015W2.TXT Date Analyzed: 10/15/25 Methods: SM5310 B-11, SM5310 B-11/14
Run ID: GN74908 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN74908-CRI1	Total Organic Carbon	1.09	1.0	0.72	1	109.0	70-130
GN74908-HSTD1	Total Organic Carbon	46.8	1.0	0.72	50	93.6	90-110
GN74908-ICV1	Total Organic Carbon	21.3	1.0	0.72	20	106.5	90-110
GN74908-ICB1	Total Organic Carbon	0.72 U	1.0	0.72			
GN74908-CCVA1	Total Organic Carbon	49.5	1.0	0.72	50	99.0	
GN74908-CCB1	Total Organic Carbon	0.72 U	1.0	0.72			
GN74908-CCV1	Total Organic Carbon	25.9	1.0	0.72	25	103.6	90-110
GN74908-CCB2	Total Organic Carbon	0.72 U	1.0	0.72			
GN74908-CCVA2	Total Organic Carbon	53.7	1.0	0.72	50	107.4	
GN74908-CCB3	Total Organic Carbon	0.72 U	1.0	0.72			
GN74908-CCV2	Total Organic Carbon	26.4	1.0	0.72	25	105.6	90-110
GN74908-CCB4	Total Organic Carbon	0.72 U	1.0	0.72			
GN74908-CCVA3	Total Organic Carbon	51.7	1.0	0.72	50	103.4	
GN74908-CCB5	Total Organic Carbon	0.72 U	1.0	0.72			
GN74908-CCV3	Total Organic Carbon	25.5	1.0	0.72	25	102.0	90-110
GN74908-CCB6	Total Organic Carbon	0.72 U	1.0	0.72			

(!) Outside of QC limits

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: F25102001.TXT Date Analyzed: 10/15/25 Methods: EPA 300/SW846 9056A
Analyst: MS Run ID: GN75008
Parameters: Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:12	GN75008-STD1	1		STDA
11:25	GN75008-STD2	1		STDC
11:38	GN75008-STD3	1		STDD
11:51	GN75008-STD4	1		STDE
12:04	GN75008-STD5	1		STDF
12:17	GN75008-STD6	1		STDG
12:29	GN75008-ICV1	1		
12:42	ZZZZZZ	1		
12:54	ZZZZZZ	1		
13:07	ZZZZZZ	1		
13:20	GN75008-CCV1	1		
13:33	GN75008-CCB1	1		
19:28	ZZZZZZ	4		
19:41	ZZZZZZ	5		
19:54	ZZZZZZ	6		
20:07	ZZZZZZ	3		
20:19	ZZZZZZ	10		
20:32	ZZZZZZ	10		
20:45	GP64893-MB1	1		
20:58	GP64893-B1	1		
21:11	GP64893-S1	1		
21:24	GP64893-MSD1	1		
21:37	GN75008-CCV2	1		
21:50	GN75008-CCB2	1		
22:03	JE20825-1	1		
22:16	ZZZZZZ	1		
22:29	ZZZZZZ	1		
22:42	ZZZZZZ	1		
22:55	ZZZZZZ	1		
23:07	ZZZZZZ	5		
23:20	ZZZZZZ	1		
23:33	ZZZZZZ	1		
23:46	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: F25102001.TXT Date Analyzed: 10/15/25 Methods: EPA 300/SW846 9056A
Analyst: MS Run ID: GN75008
Parameters: Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
23:59	ZZZZZZ	1		
00:12	GN75008-CCV3	1		
00:25	GN75008-CCB3	1		
00:38	ZZZZZZ	1		
00:51	ZZZZZZ	1		
01:04	ZZZZZZ	1		
01:17	ZZZZZZ	1		
01:30	ZZZZZZ	1		
01:43	ZZZZZZ	1		
01:55	JE20825-3	1		
02:08	JE20825-5	1		
02:21	ZZZZZZ	1		
13:23	ZZZZZZ	1		
13:36	GN75008-CCV4	1		
13:52	GN75008-CCB4	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: F25102001.TXT Date Analyzed: 10/15/25 Methods: EPA 300/SW846 9056A
Run ID: GN75008 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN75008-ICV1	Sulfate	98.2	2.0	0.89	100	98.2	90-110
GN75008-CCV1	Sulfate	204	2.0	0.89	200	102.0	90-110
GN75008-CCB1	Sulfate	0.966	2.0	0.89			
GN75008-CCV2	Sulfate	204	2.0	0.89	200	102.0	90-110
GN75008-CCB2	Sulfate	0.89 U	2.0	0.89			
GN75008-CCV3	Sulfate	202	2.0	0.89	200	101.0	90-110
GN75008-CCB3	Sulfate	0.89 U	2.0	0.89			
GN75008-CCV4	Sulfate	206	2.0	0.89	200	103.0	90-110
GN75008-CCB4	Sulfate	0.89 U	2.0	0.89			

(!) Outside of QC limits

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: D102725W1.NO32 Date Analyzed: 10/27/25 Methods: EPA 353.2 M/LACHAT, EPA 353.2/LACHAT
Analyst: JD Run ID: GN75322
Parameters: Nitrogen, Nitrate + Nitrite

Time	Sample Description	Dilution Factor	PS Recov	Comments
18:52	GN75322-STD1	1		STDA
18:53	GN75322-STD2	1		STDB
18:54	GN75322-STD3	1		STDC
18:56	GN75322-STD4	1		STDD
18:57	GN75322-STD5	1		STDE
18:58	GN75322-STD6	1		STDF
18:59	GN75322-STD7	1		STDG
19:00	GN75322-STD8	1		STDH
19:06	ZZZZZZ	1		
19:08	GN75322-ICV1	1		
19:09	GN75322-ICB1	1		
19:10	GN75322-CCV1	1		
19:12	GN75322-CCB1	1		
19:13	GP65046-MB1	1		
19:14	GP65046-B1	1		
19:15	GP65046-D1	1		
19:16	JD76649-2P	1		(sample used for QC only; not part of login JE20825)
19:17	ZZZZZZ	1		
19:18	GP65048-MB1	1		
19:19	GP65048-B1	1		
19:21	GP65048-S1	1		
19:22	GP65048-S2	1		
19:23	GP65048-D1	1		
19:24	GN75322-CCV2	1		
19:25	GN75322-CCB2	1		
19:26	JE20825-1	1		
19:27	JE20825-3	1		
19:28	ZZZZZZ	1		
19:30	ZZZZZZ	1		
19:31	ZZZZZZ	1		
19:32	ZZZZZZ	1		
19:33	ZZZZZZ	1		
19:34	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: D102725W1.NO32 Date Analyzed: 10/27/25 Methods: EPA 353.2 M/LACHAT, EPA 353.2/LACHAT
Analyst: JD Run ID: GN75322
Parameters: Nitrogen, Nitrate + Nitrite

Time	Sample Description	Dilution Factor	PS Recov	Comments
19:35	ZZZZZZ	1		
19:36	ZZZZZZ	1		
19:37	GN75322-CCV3	1		
19:39	GN75322-CCB3	1		
19:40	ZZZZZZ	1		
19:41	JE20825-5	1		
19:42	ZZZZZZ	1		
19:43	ZZZZZZ	1		
19:44	ZZZZZZ	1		
19:45	ZZZZZZ	1		
19:46	ZZZZZZ	1		
19:48	ZZZZZZ	1		
19:49	ZZZZZZ	1		
19:50	ZZZZZZ	1		
19:51	GN75322-CCV4	1		
19:52	GN75322-CCB4	1		
19:53	GP65053-MB1	1		
19:54	GP65053-B1	1		
19:55	GP65053-S1	1		
19:57	GP65053-S2	1		
19:58	GP65053-D1	1		
19:59	JE21412-1	1		(sample used for QC only; not part of login JE20825)
20:00	JE21412-2	1		(sample used for QC only; not part of login JE20825)
20:01	ZZZZZZ	1		
20:02	ZZZZZZ	1		
20:03	ZZZZZZ	1		
20:04	GN75322-CCV5	1		
20:05	GN75322-CCB5	1		
20:07	ZZZZZZ	1		
20:08	ZZZZZZ	1		
20:09	ZZZZZZ	1		
20:10	ZZZZZZ	1		
20:11	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: D102725W1.NO32 Date Analyzed: 10/27/25 Methods: EPA 353.2 M/LACHAT, EPA 353.2/LACHAT
Analyst: JD Run ID: GN75322
Parameters: Nitrogen, Nitrate + Nitrite

Time	Sample Description	Dilution Factor	PS Recov	Comments
20:12	ZZZZZZ	1		
20:13	ZZZZZZ	1		
20:14	ZZZZZZ	1		
20:16	ZZZZZZ	1		
20:17	ZZZZZZ	1		
20:18	GN75322-CCV6	1		
20:19	GN75322-CCB6	1		
20:20	ZZZZZZ	1		
20:21	ZZZZZZ	1		
20:22	ZZZZZZ	1		
20:23	ZZZZZZ	1		
20:25	ZZZZZZ	1		
20:26	GP65054-MB1	1		
20:28	GP65054-S1	1		
20:29	GP65054-D1	1		
20:30	DA76441-1	1		(sample used for QC only; not part of login JE20825)
20:31	GN75322-CCV7	1		
20:32	GN75322-CCB7	1		
20:34	GP65054-B1	1		
20:35	ZZZZZZ	1		
20:36	ZZZZZZ	1		
20:37	ZZZZZZ	1		
20:38	ZZZZZZ	1		
20:39	ZZZZZZ	1		
20:40	ZZZZZZ	1		
20:41	ZZZZZZ	1		
20:43	GP65055-MB1	1		
20:44	GP65055-B1	1		
20:45	GN75322-CCV8	1		
20:46	GN75322-CCB8	1		
20:47	GP65055-S1	1		
20:48	GP65055-D1	1		
20:49	JE19853-3R	1		(sample used for QC only; not part of login JE20825)

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: D102725W1.NO32 Date Analyzed: 10/27/25 Methods: EPA 353.2 M/LACHAT, EPA 353.2/LACHAT
Analyst: JD Run ID: GN75322
Parameters: Nitrogen, Nitrate + Nitrite

Time	Sample Description	Dilution Factor	PS Recov	Comments
20:50	ZZZZZZ	1		
20:52	ZZZZZZ	1		
20:53	ZZZZZZ	1		
20:54	ZZZZZZ	1		
20:55	ZZZZZZ	1		
20:56	ZZZZZZ	1		
20:57	ZZZZZZ	1		
20:58	GN75322-CCV9	1		
20:59	GN75322-CCB9	1		
21:01	ZZZZZZ	1		
21:02	ZZZZZZ	1		
21:03	ZZZZZZ	1		
21:04	ZZZZZZ	1		
21:05	ZZZZZZ	1		
21:06	ZZZZZZ	1		
21:07	ZZZZZZ	1		
21:10	ZZZZZZ	2		
21:11	ZZZZZZ	2		
21:12	ZZZZZZ	3		
21:13	GN75322-CCV10	1		
21:15	GN75322-CCB10	1		
21:16	ZZZZZZ	4		
21:17	ZZZZZZ	8		
21:18	ZZZZZZ	24		
21:19	ZZZZZZ	3		
21:22	GN75322-CCV11	1		
21:23	GN75322-CCB11	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: JE20825
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: D102725W1.NO32 Date Analyzed: 10/27/25 Methods: EPA 353.2 M/LACHAT, EPA 353.2/LACHAT
Run ID: GN75322 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN75322-ICV1	Nitrogen, Nitrate + Nitrite	1.82	0.10	0.090	2	91.0	90-110
GN75322-ICB1	Nitrogen, Nitrate + Nitrite	0.090 U	0.10	0.090			
GN75322-CCV1	Nitrogen, Nitrate + Nitrite	2.43	0.10	0.090	2.5	97.2	90-110
GN75322-CCB1	Nitrogen, Nitrate + Nitrite	0.090 U	0.10	0.090			
GN75322-CCV2	Nitrogen, Nitrate + Nitrite	2.37	0.10	0.090	2.5	94.8	90-110
GN75322-CCB2	Nitrogen, Nitrate + Nitrite	0.090 U	0.10	0.090			
GN75322-CCV3	Nitrogen, Nitrate + Nitrite	2.47	0.10	0.090	2.5	98.8	90-110
GN75322-CCB3	Nitrogen, Nitrate + Nitrite	0.090 U	0.10	0.090			
GN75322-CCV4	Nitrogen, Nitrate + Nitrite	2.37	0.10	0.090	2.5	94.8	90-110
GN75322-CCB4	Nitrogen, Nitrate + Nitrite	0.090 U	0.10	0.090			
GN75322-CCV5	Nitrogen, Nitrate + Nitrite	2.59	0.10	0.090	2.5	103.6	90-110
GN75322-CCB5	Nitrogen, Nitrate + Nitrite	0.090 U	0.10	0.090			
GN75322-CCV6	Nitrogen, Nitrate + Nitrite	2.71	0.10	0.090	2.5	108.4	90-110
GN75322-CCB6	Nitrogen, Nitrate + Nitrite	0.090 U	0.10	0.090			
GN75322-CCV7	Nitrogen, Nitrate + Nitrite	2.63	0.10	0.090	2.5	105.2	90-110
GN75322-CCB7	Nitrogen, Nitrate + Nitrite	0.090 U	0.10	0.090			
GN75322-CCV8	Nitrogen, Nitrate + Nitrite	2.54	0.10	0.090	2.5	101.6	90-110
GN75322-CCB8	Nitrogen, Nitrate + Nitrite	0.090 U	0.10	0.090			
GN75322-CCV9	Nitrogen, Nitrate + Nitrite	2.53	0.10	0.090	2.5	101.2	90-110
GN75322-CCB9	Nitrogen, Nitrate + Nitrite	0.090 U	0.10	0.090			
GN75322-CCV10	Nitrogen, Nitrate + Nitrite	2.53	0.10	0.090	2.5	101.2	90-110
GN75322-CCB10	Nitrogen, Nitrate + Nitrite	0.090 U	0.10	0.090			
GN75322-CCV11	Nitrogen, Nitrate + Nitrite	2.56	0.10	0.090	2.5	102.4	90-110
GN75322-CCB11	Nitrogen, Nitrate + Nitrite	0.090 U	0.10	0.090			

(!) Outside of QC limits

General Chemistry

Raw Data

Test: Nitrogen, Nitrite
Product: NO2
Method: SM4500NO2 B-11 (Aqueous) ◉ Units: mg/l
SM4500NO2 B-11 M (Solids) ○ mg/kg

Analyst: GRACETA
GN Batch ID: GN74573
GP Batch ID: NA
Date: 10/10/2025
Instrument ID: Pipet II GLASS PIPETTE CLASS A

Original Calibration Information — Calibration Date: 8/8/2025

	Blank	Std 1	Std 2	Std 3	Std 4	Std 5	Std 6	Std 7
Known:	0.000	0.010	0.025	0.050	0.075	0.100	0.200	
Absorbance:	0.000	0.036	0.086	0.171	0.255	0.349	0.675	
Actual Value:	#DIV/0!	0.010	0.025	0.050	0.075	0.103	0.199	
% RE:	#DIV/0!	0.36	1.02	0.25	0.39	-2.50	0.56	

Continuing Calibration Check Standards Data: 10/10/2025

	Blank	Std 1	Std 6
Known:	0.000	0.010	0.200
Absorbance:	0.000	0.038	0.681
Recovery:	0.0%	99.6%	100.3%
Actual Value:	0.000	0.010	0.201

Correlation Coeff. = 0.99986
Slope = 0.29565
Intercept = -0.00068

Bottle #	Sample ID	Time Analyzed	Initial Wt (g) or Vol (ml)	Final Vol (ml)	Dilution	Sample	Background Abs.	Result From Curve (mg/L)	Final Result	DL	Units	Factor	pH between 5 and 9 (Y or N)
	ICV	7:00	50	50	1	0.337	NA	0.099	0.099	NA	mg/l	NA	
	CCV	7:01	50	50	1	0.332	NA	0.097	0.097	NA	mg/l	NA	
	CCB	7:02	50	50	1	0.001	NA	0.000	0.000	NA	mg/l	NA	
	GN74573-MB1	7:10	50	50	1	0.001	0.000	0.000	0.000	0.010	mg/l	1	
	GN74573-B1	7:10	50	50	1	0.140	0.000	0.041	0.041	0.010	mg/l	1	
	GN74573-S1	7:10	50	50	1	0.141	0.000	0.041	0.041	0.010	mg/l	1	
	GN74573-MSD1	7:10	50	50	1	0.141	0.000	0.041	0.041	0.010	mg/l	1	
	JE20760-1CONF	7:10	50	50	1		0.000	-0.001	-0.001	0.010			
	JE20760-2	7:10	50	50	1	0.001	0.000	0.000	0.000	0.010	mg/l	1	
	JE20786-1	7:10	50	50	1	0.001	0.000	0.000	0.000	0.010	mg/l	1	
	JE20809-1	7:10	50	50	1	0.001	0.000	0.000	0.000	0.010	mg/l	1	
	JE20809-3	7:10	50	50	1	0.001	0.000	0.000	0.000	0.010	mg/l	1	
	JE20809-4	7:10	50	50	1	0.644	0.000	0.190	0.190	0.010	mg/l	1	
	CCVA	7:10	50	50	1	0.680	NA	0.200	0.200	NA	mg/l	NA	
	CCB	7:11	50	50	1	0.001	NA	0.000	0.000	NA	mg/l	NA	
	JE20809-5	17:50	50	50	1	0.001	0.000	0.000	0.000	0.010	mg/l	1	
	JE20825-1	17:50	50	50	1	0.001	0.000	0.000	0.000	0.010	mg/l	1	
	JE20825-2	17:50	50	50	1	0.001	0.000	0.000	0.000	0.010	mg/l	1	
	JE20825-3	17:50	50	50	1	0.001	0.000	0.000	0.000	0.010	mg/l	1	
	JE20825-5	17:50	50	50	1	0.001	0.000	0.000	0.000	0.010	mg/l	1	
	JE20827-1	17:50	50	50	1	0.001	0.000	0.000	0.000	0.010	mg/l	1	
	JE20827-2	17:50	50	50	1	0.001	0.000	0.000	0.000	0.010	mg/l	1	
	JE20827-3	17:50	50	50	1	0.001	0.000	0.000	0.000	0.010	mg/l	1	
	JE20827-4	17:50	50	50	1	0.001	0.000	0.000	0.000	0.010	mg/l	1	
	JE20827-5	17:50	50	50	1	0.001	0.000	0.000	0.000	0.010	mg/l	1	
	CCV	17:50	50	50	1	0.333	NA	0.098	0.098	NA	mg/l	NA	
	CCB	17:51	50	50	1	0.001	NA	0.000	0.000	NA	mg/l	NA	
	JE20827-6	18:00	50	50	1	0.001	0.000	0.000	0.000	0.010	mg/l	1	
	JE20698-1	18:00	50	50	1	0.001	0.000	0.000	0.000	0.010	mg/l	1	
	JE20698-2	18:00	50	50	1	0.001	0.000	0.000	0.000	0.010	mg/l	1	
	JE20698-4	18:00	50	50	1	0.001	0.000	0.000	0.000	0.010	mg/l	1	
	JE20698-5	18:00	50	50	1	0.001	0.000	0.000	0.000	0.010	mg/l	1	
	JE20698-6	18:00	50	50	1	0.001	0.000	0.000	0.000	0.010	mg/l	1	
	JE20698-7	18:00	50	50	1	0.001	0.000	0.000	0.000	0.010	mg/l	1	
	JE20698-8	18:00	50	50	1	0.001	0.000	0.000	0.000	0.010	mg/l	1	
	JE20698-9	18:00	50	50	1	0.001	0.000	0.000	0.000	0.010	mg/l	1	
		18:00	50	50	1								
	CCVA	18:00	50	50	1	0.681	NA	0.201	0.201	NA	mg/l	NA	
	CCB	18:01	50	50	1	0.001	NA	0.000	0.000	NA	mg/l	NA	

Analyst: GT Date: 10/10/25 QC Reviewer: _____ Date: _____

SGS

MANTECH

Date: 2025-10-14 09:37:15
Analyst: GT wetchem

Sample Report

GN74665.alk
GN74666.bic
GN74667.car

B_1 = 1mL 5000 ppm to 100 mL DI H_2O
B_2 = 5mL 5000 ppm to 100 mL DI H_2O

Run Template: Alkalinity
Run ID: 2093
Date Started: 2025-10-14 07:38:48
Date Completed: 2025-10-14 09:37:15

ManTech2

Sample Data

Sample	Script ID	Start	End	pH	TAlkalinity	PAlkalinity	Hydroxide	Carbonate	Bicarbonate	Temp.
CKBUF4	pH	2025-10-14 07:38:48	2025-10-14 07:40:53	3.9966						21.0872
CKBUF7	pH	2025-10-14 07:40:53	2025-10-14 07:42:28	7.0322						21.0169
CKBUF1	pH	2025-10-14 07:42:28	2025-10-14 07:44:03	10.0597						20.9736
GN74665-MB1	Alkalinity	2025-10-14 07:44:03	2025-10-14 07:46:03	4.0445	0.0000	0	0	0	0.0000	20.9330
GN74665-B1	Alkalinity	2025-10-14 07:46:03	2025-10-14 07:50:38	7.3985	51.7007	0	0	0	51.7007	20.9087
GN74665-B2	Alkalinity	2025-10-14 07:50:38	2025-10-14 07:55:43	8.1269	237.5875	0	0	0	237.5875	20.9979
GN74665-D1	Alkalinity	2025-10-14 07:55:43	2025-10-14 08:05:37	8.0031	698.7616	0	0	0	698.7616	21.0142
JE20825-1	Alkalinity	2025-10-14 08:05:37	2025-10-14 08:15:21	8.0497	695.7682	0	0	0	695.7682	21.0704
JE20825-2	Alkalinity	2025-10-14 08:15:21	2025-10-14 08:24:52	8.0146	656.1971	0	0	0	656.1971	21.0623
JE20825-3	Alkalinity	2025-10-14 08:24:52	2025-10-14 08:35:58	8.0994	721.1146	0	0	0	721.1146	21.0650
JE20825-5	Alkalinity	2025-10-14 08:35:58	2025-10-14 08:44:05	8.0927	519.3828	0	0	0	519.3828	21.0893
JE20846-1	Alkalinity	2025-10-14 08:44:05	2025-10-14 08:48:34	6.4863	11.8961	0	0	0	11.8961	21.0947
JE20846-2	Alkalinity	2025-10-14 08:48:34	2025-10-14 08:50:26	2.9228	0.0000	0	0	0	0.0000	20.9703
CBUF4.	pH	2025-10-14 08:50:26	2025-10-14 08:52:01	4.0093						20.9433
JE20846-3	Alkalinity	2025-10-14 08:52:01	2025-10-14 08:57:28	6.9748	66.0850	0	0	0	66.0850	20.8892
JE20847-3	Alkalinity	2025-10-14 08:57:28	2025-10-14 09:03:09	7.9759	192.3338	0	0	0	192.3338	20.9811

GN74665

QC Reports:

Raw Data GN74665: Alkalinity, Total as CaCO3 page 1 of 6

SGS

MANTECH

Date: 2025-10-14 09:37:15
Analyst: GT wetchem

Sample Report

Run Template: Alkalinity
Run ID: 2093
Date Started: 2025-10-14 07:38:48
Date Completed: 2025-10-14 09:37:15

Sample Data

Final Vol.	CO2	Analyst Name
		Grace
		Grace
		Grace
0.0050	0.0000	Grace
0.5400	4.1307	Grace
2.4150	3.5478	Grace
7.0850	13.8758	Grace
7.0300	12.4107	Grace
6.6200	12.6901	Grace
7.2800	11.4719	Grace
5.2450	8.3911	Grace
0.1700	7.7649	Grace
0.0050	0.0000	Grace
		Grace
0.6900	14.0066	Grace
1.9750	4.0662	Grace

MANTECH

Date: 2025-10-14 09:37:15
Analyst: GTT wetchem

Sample Report

Run Template: Alkalinity
Run ID: 2093
Date Started: 2025-10-14 07:38:48
Date Completed: 2025-10-14 09:37:15

Sample Data

Sample	Script ID	Start	End	pH	TAlkalinity	PAlkalinity	Hydroxide	Carbonate	Bicarbonate	Temp.
JE20847-4	Alkalinity	2025-10-14 09:03:09	2025-10-14 09:08:32	7.6174	85.4434	0	0	0	85.4434	21.0271
JE20847-5	Alkalinity	2025-10-14 09:08:32	2025-10-14 09:13:57	7.6824	84.7715	0	0	0	84.7715	21.0487
JE20847-6	Alkalinity	2025-10-14 09:13:57	2025-10-14 09:19:59	7.8531	214.2706	0	0	0	214.2706	21.0358
JE20859-1	Alkalinity	2025-10-14 09:19:59	2025-10-14 09:24:51	7.7776	79.8157	0	0	0	79.8157	21.0710
JE20859-2	Alkalinity	2025-10-14 09:24:51	2025-10-14 09:31:04	8.0810	315.0528	0	0	0	315.0528	21.0656
JE20872-4	Alkalinity	2025-10-14 09:31:04	2025-10-14 09:35:40	7.5338	50.2233	0	0	0	50.2233	21.0980
CKBUF4..	pH	2025-10-14 09:35:40	2025-10-14 09:37:15	4.0189						21.1061

MANTECH

Date: 2025-10-14 09:37:15
Analyst: GT wetchem

Sample Report

Run Template: Alkalinity
Run ID: 2093
Date Started: 2025-10-14 07:38:48
Date Completed: 2025-10-14 09:37:15

Sample Data

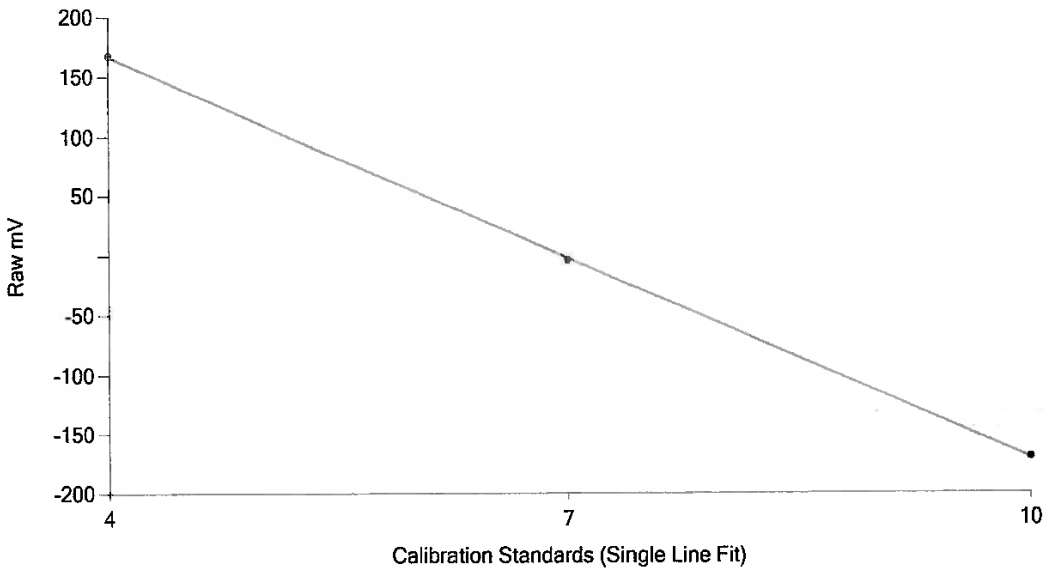
Final Vol.	CO2	Analyst Name
0.8800	4.1239	Grace
0.8750	3.5227	Grace
2.2600	6.0103	Grace
0.8400	2.6639	Grace
3.2150	5.2289	Grace
0.5400	2.9386	Grace
		Grace

MANTECH

Date: 2025-10-14 07:33:48
Analyst: GT wetchem

Single Line Calibration Report

Calibration Template:	pH Calibration	Analysis Type:	Single Line Fit
Probe Type:	pH	Temperature:	21.1404
Port:	1	Date Started:	2025-10-14 07:30:26
Probe ID:	pH Probe	Date Completed:	2025-10-14 07:30:26



Calibration Data

Result: PASS

Equation: y = -56.2265x - 1.7073

	Result	Minimum	Maximum
Slope:	-56.2265	-63.0000	-55.0000
Intercept:	-1.7073	-100.0000	100.0000
Correlation:	0.9999	0.9950	1.0000
% RSE	0.5292		

Calibration Standard	Recorded Standard
4.0000	167.7300
7.0000	-3.2230
10.0000	-169.6290

17.2 17

SGS

Reagent Information Log
Test Name: _ALK_____

Reagent	Reagent # or Manufacturer/Lot
pH BUFFER 4	FISHER #246231 XP 05/27
pH BUFFER 7	FISHER LOT #246940 EXP 03/2027
pH BUFFER 10	FISHER LOT #244710 EXP 11/2026
SODIUM PHOSPHATE DIBASIC	GNE8-79281-ALKALINI XP 2/22/2026
B1-1.0ML OF 5000PPM TO 100ML	TV 50MG/L
B2-5.0ML OF 5000PPM TO 100ML	TV 250 MG/L
H2SO4 TITRANT (0.02N)	FISHER #235420 XP 03/29

All standards and stocks were made as described in the SOP for this method (circle one): (Y) or N
If no (N), see attached page for standards prep.

17.2 17

Form: GN087-01
Rev. Date:10/14/2025

Test: Sulfide by Titration
Product: S
Method: (AQ) SM4500 S2 B, C, or F-11

◉ **Units:** mg/l
mg/kg

Analyst: GRACETA
GN Batch ID: GN74687
GP Batch ID: NA
Date: 10/13/2025

Sulfide= ((Vi)(Ni) - (Vt)(Nt)) x 16000 x final Vol. / Vol. tiitrated x initial wt or vol

Form: AGN-SULFIDE-AQ-04

Iodine reagent number: see attached page

Iodine Normality = Normality x vol of sodium thiosulfate / volume of iodine

Normality 1 = 0.0244
Normality 2 = 0.0244
Average = 0.024375

Sodium thiosulfate manufacturer and lot: lab chem L133-09 XP6/2/2022 see attached page

Normality = 0.0250

QC Summary:

Method Blank ID:	GN74687-MB1	Date:	10/13/2025	Result:	<2	<DL:	2	Y	Units
Spike Blank ID:	GN74687-B1	Date:	10/13/2025	Amt. Spiked	5.00	Result:	5.00	% Rec:	100%	
Matrix Spike ID:	JE20825-1	MS Result	5.30	Samp Result	0.30	Spike Amt.	5.00	Rec:	100%	
Duplicate ID:	JE20825-2	Samp Result:	<2	Dup Result:	<2	% RPD:	#VALUE!		

Bottle #	Sample ID	Initial pH	Pre-Treat? Y or N	Initial Vol (ml)	Final Vol. (ml)	Sample Vol Titrated in ml (a)	Volume of Iodine in ml	Sodium Thiosulfate volume (start) ml	Sodium Thiosulfate volume (end) ml	Sodium Thiosulfate total vol in ml	Result	Final Result	Detection Limit (mg/l)	Units
	Iodine Standardization 1	>9	n	1.0	200.0	200.0	6.00	0.00	5.85	5.85	NA	NA	NA	NA
	Iodine Standardization 2	>9	n	1.0	200.0	200.0	6.00	0.00	5.85	5.85	NA	NA	NA	NA
	Sulfide Stock Std 1CONF	>9	Y	1.0	200.0	200.0	6.00	0.00	3.35	3.35	1000.000	1000.00	2	mg/l
	Sulfide Stock Std 2CONF	>9	Y	1.0	200.0	200.0	6.00	0.00	3.35	3.35	1000.000	1000.00	2	mg/l
	GN74687-MB1	>9	Y	200.0	200.0	200.0	6.00	0.00	5.85	5.85	0.000	<2	2	mg/l
	GN74687-B1	>9	Y	200.0	200.0	200.0	6.00	0.00	3.35	3.35	5.000	5.00	2	mg/l
	GN74687-B2	>9	Y	200.0	200.0	200.0	6.00	0.00	0.85	0.85	10.000	10.00	2	mg/l
7	GN74687-S1	>9	Y	200.0	200.0	200.0	6.00	0.00	3.20	3.20	5.300	5.30	2	mg/l
7	GN74687-D1	>9	Y	200.0	200.0	200.0	6.00	0.00	5.55	5.55	0.600	<2	2	mg/l
6	JE20825-1	>9	Y	200.0	200.0	200.0	6.00	0.00	5.70	5.70	0.300	<2	2	mg/l
6	JE20825-2	>9	Y	200.0	200.0	200.0	6.00	0.00	5.55	5.55	0.600	<2	2	mg/l
7	JE20825-3	>9	Y	200.0	200.0	200.0	6.00	0.00	5.60	5.60	0.500	<2	2	mg/l
6	JE20825-5	>9	Y	200.0	200.0	200.0	6.00	0.00	5.55	5.55	0.600	<2	2	mg/l
10	JE20888-1	>9	Y	200.0	200.0	200.0	6.00	0.00	5.85	5.85	0.000	<2	2	mg/l
10	JE20888-2	>9	Y	200.0	200.0	200.0	6.00	0.00	5.85	5.85	0.000	<2	2	mg/l
10	JE20888-3	>9	Y	200.0	200.0	200.0	6.00	0.00	5.85	5.85	0.000	<2	2	mg/l
1	JE20715-1	>9	Y	2.0	200.0	200.0	6.00	0.00	2.90	2.90	590.000	590.00	2	mg/l
1	JE20715-2	>9	Y	0.5	200.0	200.0	12.00	0.00	5.35	5.35	5080.000	5080.00	2	mg/l
1	JE20715-3	>9	Y	0.5	200.0	200.0	6.00	0.00	1.90	1.90	3160.000	3160.00	2	mg/l
1	JE20715-4	>9	Y	1.0	200.0	200.0	6.00	0.00	2.40	2.40	1380.000	1380.00	2	mg/l
1	JE20715-5	>9	Y	1.0	200.0	200.0	6.00	0.00	3.35	3.35	1000.000	1000.00	2	mg/l
1	JE20715-6	>9	Y	1.0	200.0	200.0	6.00	0.00	3.45	3.45	960.000	960.00	2	mg/l

Analyst: GT Date: 10/13/25 QC Reviewer: _____ Date: _____

SGS

Reagent Information Log - Sulfide

Reagent	Reagent # or Manufacturer/Lot
Hydrochloric Acid, 6N	GNE8-79143-SREAC XP 2/11/2026
STANDARD Iodine SOLUTION	GNE8-79144-SULFIDE XP 2/11/2026
Sodium Thiosulfate Solution, 0.0250 N	LAB CHEM LOT NO N0 5/1/2026
Starch Indicator Solution	RICCA 2312D43 XP 11/2025
Zinc Acetate Solution	GNE7-78867-SULFIDE XP 1/14/2026
Sodium Hydroxide, 6N	GNE7-78722-SULFIDE XP 1/1/2026
Sulfide Stock Solution, 1000 ug/ml	GNE10-79759-SULFIDE XP 10/17/2025
pH Paper	Hydrion221523 AUG-26
TSS/TDS FILTERS	Laboratory sales & services lot# 114495

All standards and stocks were made as described in the SOP for this method (circle one): (Y) or N
If no (N), see attached page for standards prep.

Form: GN087A-61
Rev. Date:10/13/2025

LABORATORY REVIEW SIGNATURE FORM
(To be stored with the raw data)

File ID: E101425W1.TKN Date Analyzed: 10/14/25 Methods: EPA 351.2/LACHAT
Analyst: SS Run ID: GN74755

The following analyst(s) have reviewd this run and attest that, to the best of their knowledge, this documentation is complete and correct:

Analyst: SS Date 10/14/25

Analyst: _____ Date _____

Analyst: _____ Date _____

Analyst: _____ Date _____

Analyst: _____ Date _____

Analyst: _____ Date _____

Analyst: _____ Date _____

The following supervisor or their designee has reviewed this run and attests that, to the best of their knowledge, this documentation is complete and correct:

Supervisor (or designee): _____ Date _____

17.4
17

Author: Chemistry

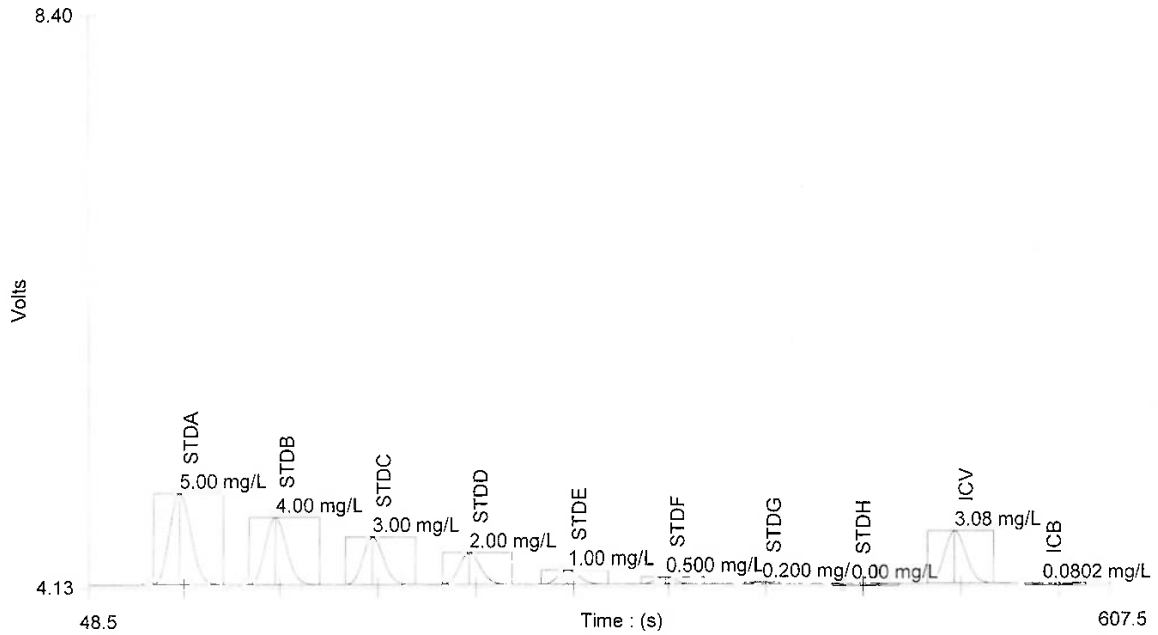
Date : 10/14/2025

Original Run Filename: OM_10-14-2025_05-24-28PM.OMN Created: 10/14/2025 5:24:28 PM
Original Run Author's Signature: [Chemistry]
Current Run Filename: OM_10-14-2025_05-24-28PM.OMN Last Modified: 10/14/2025 6:17:12 PM
Current Run Author's Signature: [Chemistry]
Description: Default New Run

GN74755
e101425w1.tkn

Sample	Rep.	Cup No.	Channel 1 TKN (mg/L)	Detection Time	MDF	
STDA	1	S1	5.00	10/14/2025@5:25:20 PM		
STDB	1	S2	4.00	10/14/2025@5:26:12 PM		
STDC	1	S3	3.00	10/14/2025@5:27:05 PM		
STDD	1	S4	2.00	10/14/2025@5:27:59 PM		
STDE	1	S5	1.00	10/14/2025@5:28:53 PM		
STDF	1	S6	0.500	10/14/2025@5:29:46 PM		
STDG	1	S7	0.200	10/14/2025@5:30:38 PM		
STDH	1	S10	0.00	10/14/2025@5:31:31 PM		
ICV	1	S8	3.08	10/14/2025@5:32:25 PM		102.7%
	Known Conc:		3.00			
	Calibration:		Table/Fig. : 1			
ICB	1	S10	0.0802	10/14/2025@5:33:18 PM		
	Known Conc:		0.00			
CCV	1	S9	2.80	10/14/2025@5:34:12 PM		93.3%
	Known Conc:		3.00			
CCB	1	S10	0.0552	10/14/2025@5:35:06 PM		
	Known Conc:		0.00			
CONF	1	1	0.196	10/14/2025@5:36:00 PM		wrong injection
CONF	1	2	3.15	10/14/2025@5:36:55 PM		

Channel 1 - Set: 1 / 2



174
17

- 1 -

Author: Chemistry

Date : 10/14/2025

Channel 1 - Set: 2 / 2

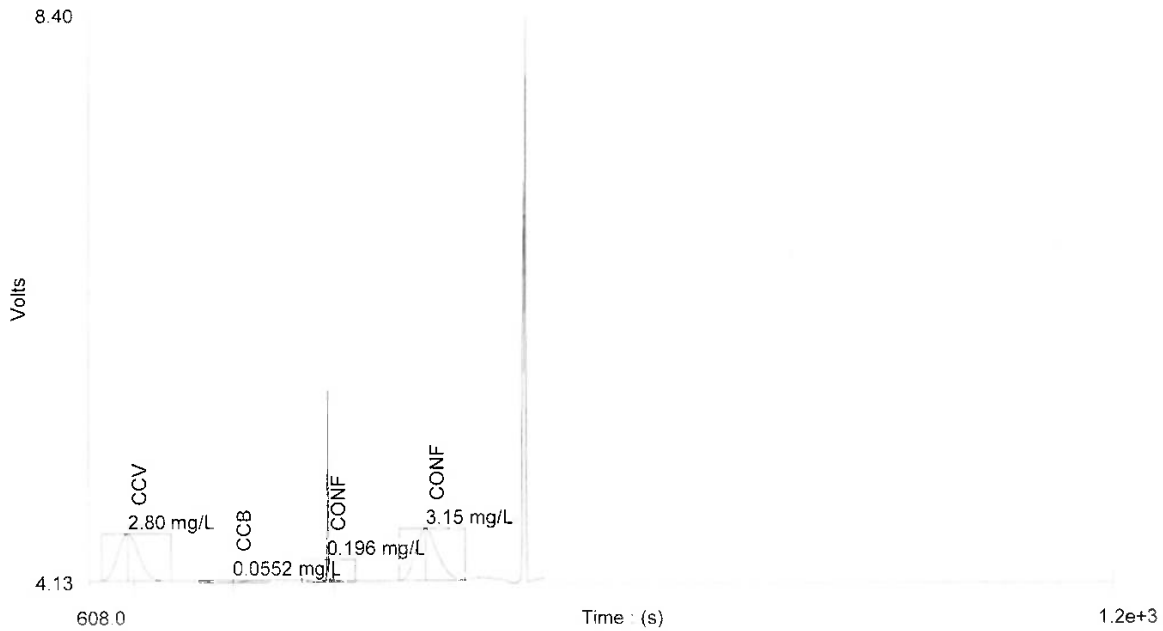
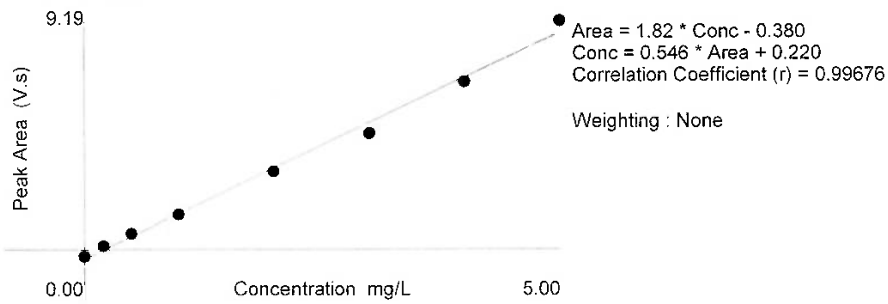


Table : 1 (TKN)

	Known Conc. (mg/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg/L)	Detection Date	Detection Time
1	5.00	1	9.19	0.674	0.0	-5.4	5.24	10/14/2025	5:25:20 PM
2	4.00	1	6.71	0.497	0.0	2.8	3.88	10/14/2025	5:26:12 PM
3	3.00	1	4.64	0.351	0.0	8.7	2.75	10/14/2025	5:27:05 PM
4	2.00	1	3.11	0.233	0.0	4.6	1.92	10/14/2025	5:27:59 PM
5	1.00	1	1.38	0.107	0.0	3.9	0.976	10/14/2025	5:28:53 PM
6	0.500	1	0.639	0.0523	0.0	-20.5	0.569	10/14/2025	5:29:46 PM
7	0.200	1	0.147	0.0158	0.0	1.0e+3	0.300	10/14/2025	5:30:38 PM
8	0.00	1	-0.284	-0.0135			0.0651	10/14/2025	5:31:31 PM

Figure : 1 (TKN)



Author: Chemistry Date : 10/14/2025

Original Run Filename: OM_10-14-2025_05-42-06PM.OMN Created: 10/14/2025 5:42:06 PM
Original Run Author's Signature [Chemistry]
Current Run Filename. OM_10-14-2025_05-42-06PM.OMN Last Modified: 10/14/2025 6:16:33 PM
Current Run Author's Signature [Chemistry]
Description: Default New Run

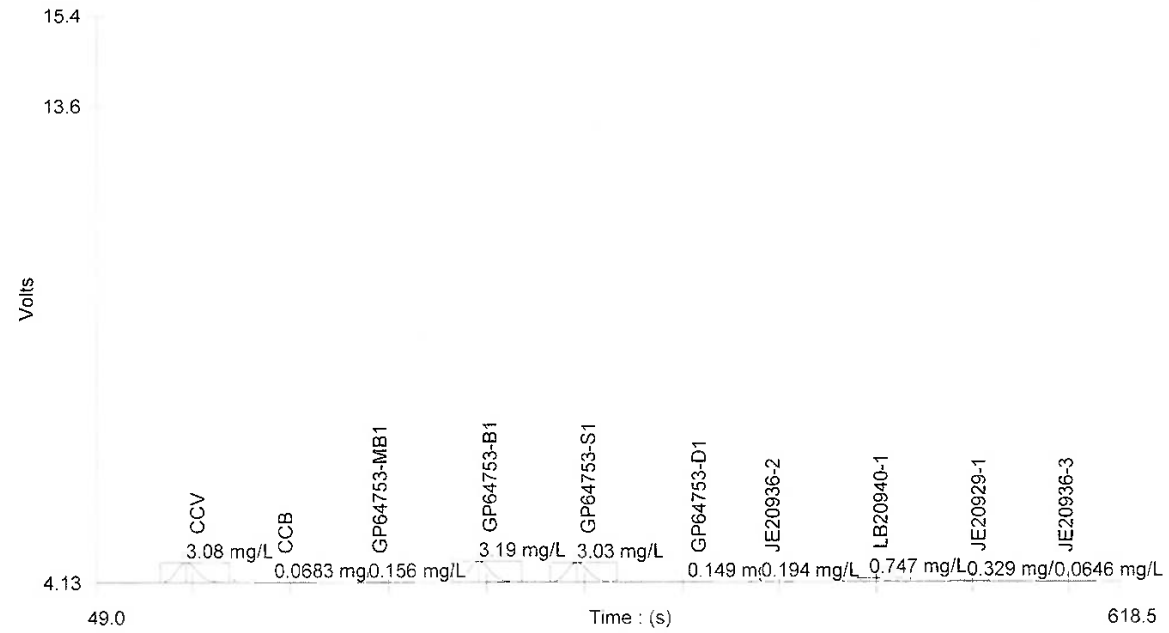
Sample	Rep.	Cup No.	Channel 1 TKN (mg/L)	Detection Time	MDF	
CCV	1	S9	3.08	10/14/2025@5:42:58 PM		102.7%
	Known Conc:		3.00			
CCB	1	S10	0.0683	10/14/2025@5:43:52 PM		
	Known Conc:		0.00			
	Calibration:		Table/Fig. : 1			
GP64753-MB1	1	1	0.156	10/14/2025@5:44:46 PM		
GP64753-B1	1	2	3.19	10/14/2025@5:45:41 PM		106.3%
GP64753-S1	1	3	3.03	10/14/2025@5:46:36 PM		
GP64753-D1	1	4	0.149	10/14/2025@5:47:31 PM		
JE20936-2	1	5	0.194	10/14/2025@5:48:25 PM		
LB20940-1	1	6	0.747	10/14/2025@5:49:19 PM		
LB JE20929-1	1	7	0.329	10/14/2025@5:50:13 PM		
JE20936-3	1	8	0.0646	10/14/2025@5:51:06 PM		
JE20936-4	1	9	0.0647	10/14/2025@5:52:00 PM		
JE20937-2	1	10	0.266	10/14/2025@5:52:53 PM		
CCV	1	S9	3.10	10/14/2025@5:53:46 PM		102.3%
	Known Conc:		3.00			
CCB	1	S10	0.0631	10/14/2025@5:54:40 PM		
	Known Conc:		0.00			
JE20990-1	1	11	0.424	10/14/2025@5:55:33 PM		
JE20990-2	1	12	0.419	10/14/2025@5:56:27 PM		
JE21000-1	1	13	0.410	10/14/2025@5:57:18 PM		
JE21000-2	1	14	83.0	10/14/2025@5:58:11 PM		- out of range
JE20825-1	1	15	2.22	10/14/2025@5:59:03 PM		
JE20825-2	1	16	3.64	10/14/2025@5:59:57 PM		
JE20825-3	1	17	2.37	10/14/2025@6:00:51 PM		
CONF	1	18	1.03	10/14/2025@6:01:46 PM		- wrong injection
JE21009-1	1	19	0.856	10/14/2025@6:02:41 PM		
JE20553-2	1	20	0.105	10/14/2025@6:03:35 PM		
CCV	1	S9	3.08	10/14/2025@6:04:29 PM		102.7%
	Known Conc:		3.00			
CCB	1	S10	0.0694	10/14/2025@6:05:23 PM		
	Known Conc:		0.00			
JE20825-5	1	18	1.73	10/14/2025@6:06:17 PM		
JE21000-2	1	21	2.00	10/14/2025@6:07:12 PM	50.00	1 mL sample, 49 mL carrier
CCV	1	S9	3.09	10/14/2025@6:09:51 PM		103%
	Known Conc:		3.00			
CCB	1	S10	0.0674	10/14/2025@6:10:45 PM		
	Known Conc:		0.00			

17.4
17

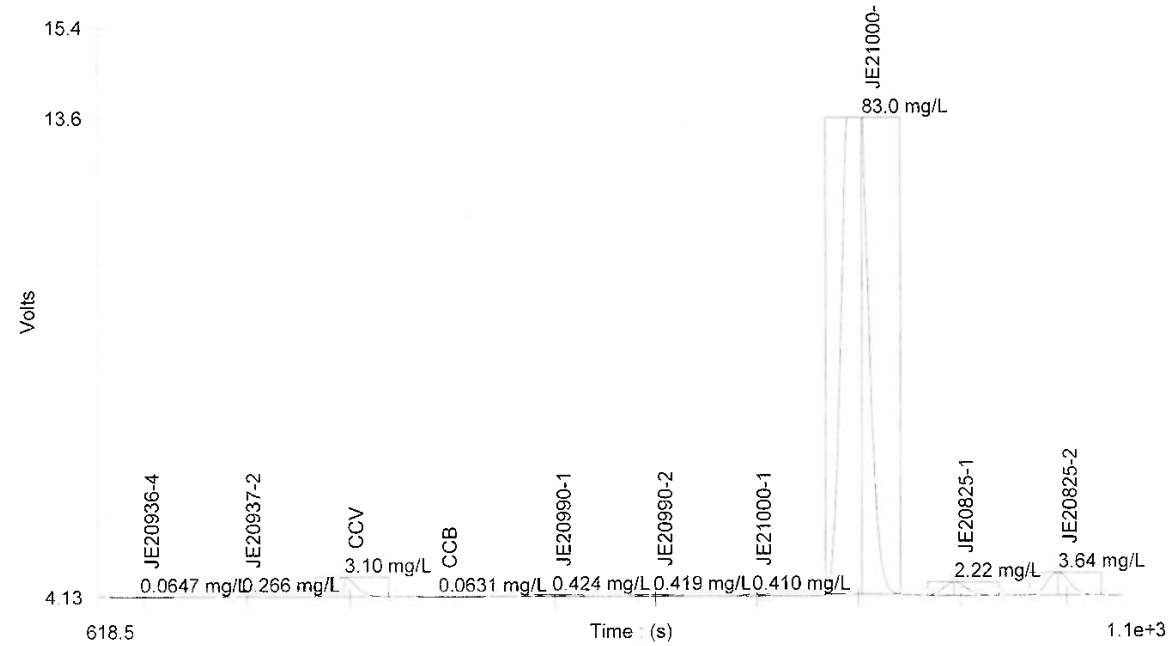
Author: Chemistry

Date : 10/14/2025

Channel 1 - Set: 1 / 3



Channel 1 - Set: 2 / 3



Author: Chemistry

Date : 10/14/2025

Channel 1 - Set: 3 / 3

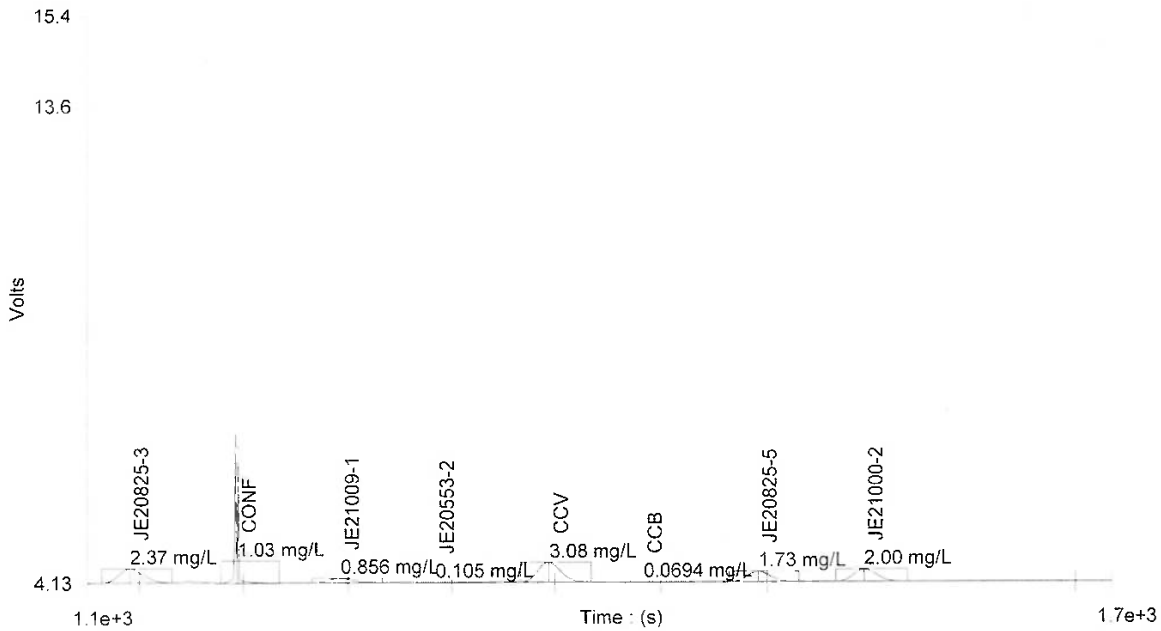
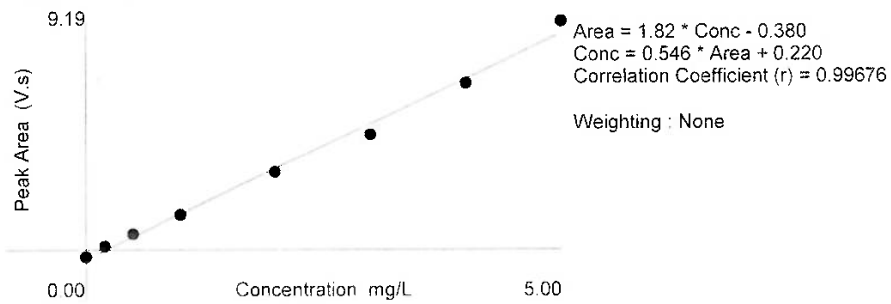


Table : 1 (TKN)

	Known Conc. (mg/L)	Rep	Peak Area (V s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg/L)	Detection Date	Detection Time
1	5.00	1	9.19	0.674	0.0	-5.4	5.24	10/14/2025	5:25:20 PM
2	4.00	1	6.71	0.497	0.0	2.8	3.88	10/14/2025	5:26:12 PM
3	3.00	1	4.64	0.351	0.0	8.7	2.75	10/14/2025	5:27:05 PM
4	2.00	1	3.11	0.233	0.0	4.6	1.92	10/14/2025	5:27:59 PM
5	1.00	1	1.38	0.107	0.0	3.9	0.976	10/14/2025	5:28:53 PM
6	0.500	1	0.639	0.0523	0.0	-20.5	0.569	10/14/2025	5:29:46 PM
7	0.200	1	0.147	0.0158	0.0	1.0e+3	0.300	10/14/2025	5:30:38 PM
8	0.00	1	-0.284	-0.0135			0.0651	10/14/2025	5:31:31 PM

Figure : 1 (TKN)



Total Kjeldahl Nitrogen (TKN) Digestion Log

GP Number: GP64753

Methods: EPA 351.2 (waters)
EPA 351.2 M (soils)
Product: TKN

Analyst: SS
Date: 10/14/2025

Digestion at 160 °C start time: 10:00
end time: 11:00

Digestion at 380 °C start time: 12:30
end time: 13:00

Digestion Block: B_____
C____Y_

Pipette IDs: 61/63

Sample ID	Matrix	Digestion Tube Number	Dilution	Initial Sample Volume (ml or g)	Final Volume in ml	Amount Spiked	Spike Conc. (mg/l)	Comments
STD-5		1	1	20 ML	20ML	10	10PPM	
STD-4		2	1	20 ML	20ML	8	10PPM	
STD-3		3	1	20 ML	20ML	6	10PPM	
STD-2		4	1	20 ML	20ML	4	10PPM	
STD-1		5	1	20 ML	20ML	2	10PPM	
STD-0.5		6	1	20 ML	20ML	1	10PPM	
STD-0.2		7	1	20 ML	20ML	0.4	10PPM	
STD-0		8	1	20 ML	20ML	0	--	
ICV		9	1	20 ML	20ML	6	10PPM	GLYCINE-N
ICB		10	1	20 ML	20ML	0	--	
CCV		11	1	20 ML	20ML	6	10PPM	
CCV		12	1	20 ML	20ML	6	10PPM	
CCB		13	1	20 ML	20ML			
GP64753-MB1		14	1	20 ML	20ML			
GP64753-B1		15	1	20 ML	20ML	6	10PPM	GLYCINE-N
GP64753-S1		16	1	20 ML	20ML	6	10PPM	GLYCINE-N
GP64753-D1		17	1	20 ML	20ML			
JE20936-2	AQ	18	1	20 ML	20ML			QC
LB20940-1	AQ	19	1	1 ML	20ML			
JE20553-2	AQ	20	1	20 ML	20ML			
LB20929-1	AQ	21	1	1 ML	20ML			
JE20936-3	AQ	22	1	20 ML	20ML			
JE20936-4	AQ	23	1	20 ML	20ML			
JE20937-2	AQ	24	1	20 ML	20ML			
JE20990-1	AQ	25	1	10 ML	20ML			
JE20990-2	AQ	26	1	10 ML	20ML			
JE21000-1	AQ	27	1	1 ML	20ML			
JE21000-2	AQ	28	1	10 ML	20ML			
JE20825-1	AQ	29	1	10 ML	20ML			
JE20825-2	AQ	30	1	20 ML	20ML			
JE20825-3	AQ	31	1	10 ML	20ML			
JE20825-5	AQ	32	1	10 ML	20ML			
JE21009-1	AQ	33	1	5 ML	20ML			

Form: GN085-03
Rev Date: 06/21/2023

SGS

General Chemistry Standard Preparation Log FOR TKN

Product: TKN

GP or GN Number: GN74755

Intermediate Standard Description	Stock Standard used for preparation	Stock concentration	Stock volume or weight used with units	Autopipet ID or Balance ID (*)	Diluent	Final Volume	Final Conc. of Intermediate (mg/l)	Expiration Date	Analyst	Date
GNE8-79300-TKN	Ammonium Chloride	1000ppm	3.819 g	B-93	DI	1000ml	1000ppm	2/22/2026	SS	8/22/2025
GNE8-79302-TKN	GNE8-79300-TKN	1000ppm	10 ml	A	DI	100ml	100ppm	11/22/2025	SS	8/22/2025
GNE8-79304-TKN	GNE8-79302-TKN	100ppm	10 ml	A	DI	100ml	10ppm	10/14/2025	SS	10/14/2025
GNE8-79301-TKN	Glycine	1000ppm	5.36 g	B-93	DI	1000ml	1000ppm	2/22/2026	SS	2/24/2025
GNE8-79303-TKN	GNE8-79301-TKN	1000ppm	10ml	A	DI	100ml	100ppm	11/22/2025	SS	5/4/2025
GNE8-79305-TKN	GNE8-79303-TKN	100ppm	10ml	A	DI	100ml	10ppm	10/14/2025	SS	10/14/2025

Standard Description	Intermediate or Stock used to prepare standard	Intermediate or Stock concentration	Intermediate or Stock volume used in ml	Autopipet ID or Balance ID (*)	Diluent	Final Volume	Final Conc. of Standard (mg/l)	Expiration Date	Analyst	Date
STD 5	GNE8-79304-TKN	10ppm	10 ml	A	DI	20 ml	5 ppm	10/14/2025	SS	10/14/2025
STD 4	GNE8-79304-TKN	10ppm	8 ml	A	DI	20 ml	4 ppm	10/14/2025	SS	10/14/2025
STD 3	GNE8-79304-TKN	10ppm	6 ml	A	DI	20 ml	3 ppm	10/14/2025	SS	10/14/2025
STD 2	GNE8-79304-TKN	10ppm	4 ml	A	DI	20 ml	2 ppm	10/14/2025	SS	10/14/2025
STD 1	GNE8-79304-TKN	10ppm	2 ml	A	DI	20 ml	1 ppm	10/14/2025	SS	10/14/2025
STD 0.5	GNE8-79304-TKN	10ppm	1 ml	A	DI	20 ml	0.5 ppm	10/14/2025	SS	10/14/2025
STD 0.2	GNE8-79304-TKN	10ppm	0.4 ml	A	DI	20 ml	0.2 ppm	10/14/2025	SS	10/14/2025
CCV	GNE8-79304-TKN	10ppm	6 ml	A	DI	20 ml	3 ppm	10/14/2025	SS	10/14/2025
ICV (EXT)	GNE8-79305-TKN	10ppm	6 ml	A	DI	20 ml	3 ppm	10/14/2025	SS	10/14/2025

* If Class A glass pipets are used, enter an A. For balances or autopipets, then enter the appropriate SGS ID number.

Form: GN121-06

Rev Date: 6/23/2020

Reagent Information Log - TKN Lachat Autoanalyzer

Reagent	Exp. Date	Reagent # or Manufacturer/Lot
Salicylate Nitroprusside	10/30/2025	GNE8-79298-TKN
Sodium Hypochlorite Solution	12/6/2028	Clorox: E621356MD2419
Carrier	1/11/2026	GNE7-78915-TKN
Buffer	10/30/2025	GNE8-79299-TKN
NaOH	1/11/2026	GNE7-78916-TKN

See attached page for standards prep and for CCV and ICV information.
See attached page(s) for distillations reagent information.

Reason codes for data corrections : 1 - reviewer error correction; 2 - transcription error; 3-computer error; 4- analyst error

17.4 17

Form: GN087A-5
Rev. Date:6/13/06

SGS

Reagent Information Log - Total Kjeldahl Nitrogen

Reagent		Reagent # or Manufacturer/Lot	Exp Date
Standard	TKN Stock Solution	GNE8-79300-TKN	2/22/2026
External Check	GLYCINE-N	GNE8-79301-TKN	2/22/2026
Stock Mercuric Sulfate Solution		GNE7-78917-TKN	1/14/2026
Digestion Solution		GNE7-78918-TKN	1/14/2026
PTFE Boiling Stones		Saint-Gobain D1069103	N/A
External Check	GLYCINE-N 100 PPM	GNE8-79305-TKN	11/22/2025
Standard	TKN Stock Solution 100PPM	GNE8-79304-TKN	11/22/2025

All standards and stocks were made as described in the SOP for this method (circle one): Y or N
If no (N), see attached page for standards prep.

17.4 17

Form: GN087A-41
Rev. Date:11/9/15

LABORATORY REVIEW SIGNATURE FORM
(To be stored with the raw data)

File ID: G251015W2.TXT
Analyst: MB

Date Analyzed: 10/15/25
Run ID: GN74908

Methods: SM5310 B-11, SM5310 B-11/14

The following analyst(s) have reviewd this run and attest that, to the best of their knowledge, this documentation is complete and correct:

Analyst: MB Date 10-17-25

Analyst: _____ Date _____

Analyst: _____ Date _____

Analyst: _____ Date _____

Analyst: _____ Date _____

Analyst: _____ Date _____

Analyst: _____ Date _____

The following supervisor or their designee has reviewed this run and attests that, to the best of their knowledge, this documentation is complete and correct:

Supervisor (or designee): _____ Date _____

C:\TOC-L\Data\g251015w2.tlx

	Sample Name	Sample ID	Origin	Manual Dilut	Result	Comment
1	WASHCONF		TOCAQSW846.met	1.000	NPOC:0.000mg/L	
2	CRI		TOCAQSW846.met	1.000	NPOC:1.091mg/L	Coefficient Variation: 3.67%
3	HSTD		TOCAQSW846.met	1.000	NPOC:46.83mg/L	Coefficient Variation: 1.14%
4	ICV		TOCAQSW846.met	1.000	NPOC:21.33mg/L	
5	ICB		TOCAQSW846.met	1.000	NPOC:0.000mg/L	
6	CCVA		TOCAQ.met	1.000	NPOC:49.53mg/L	
7	CCB		TOCAQ.met	1.000	NPOC:0.000mg/L	
8	SPARGERCHK		TOCAQ.met	1.000	NPOC:0.4355mg/L	
9	GP64711-MB1	[toc]	TOCAQ.met	1.000	NPOC:0.000mg/L	
10	GP64711-B1		TOCAQ.met	1.000	NPOC:10.26mg/L	0.5 mL 1000ppm to 50 mL DI H2O
11	JE20852-5		TOCAQ.met	1.000	NPOC:32.31mg/L	
12	GP64711-S1	JE20852-5	TOCAQ.met	1.000	NPOC:44.11mg/L	0.2mL 1000ppm to 20mL JE20852-5
13	GP64711-MSD1	JE20852-5	TOCAQ.met	1.000	NPOC:43.86mg/L	0.2mL 1000ppm to 20mL JE20852-5
14	JE20852-6		TOCAQ.met	1.000	NPOC:11.12mg/L	
15	JE20852-7		TOCAQ.met	1.000	NPOC:12.56mg/L	
16	JE20852-8	①	TOCAQ.met	1.000	NPOC:199.8mg/L	overrange, see rerun
17	JE20852-9		TOCAQ.met	1.000	NPOC:2.545mg/L	
18	CCV		TOCAQ.met	1.000	NPOC:25.85mg/L	
19	CCB		TOCAQ.met	1.000	NPOC:0.03925mg/L	
20	JE20852-10		TOCAQ.met	1.000	NPOC:27.93mg/L	
21	JE20852-11	field blank	TOCAQ.met	1.000	NPOC:0.2775mg/L	
22	JE21043-4		TOCAQ.met	1.000	NPOC:0.7667mg/L	
23	JE20993-4		TOCAQ.met	1.000	NPOC:0.08479mg/L	
24	GP64708-MB1	[toc]	TOCAQ.met	1.000	NPOC:0.000mg/L	
25	GP64708-B1		TOCAQ.met	1.000	NPOC:10.90mg/L	0.5 mL 1000ppm to 50 mL DI H2O
26	JE20901-3		TOCAQ.met	1.000	NPOC:21.32mg/L	
27	GP64708-S1	JE20901-3	TOCAQ.met	1.000	NPOC:32.41mg/L	0.2mL 1000ppm to 20mL JE20901-3
28	GP64708-MSD1	JE20901-3	TOCAQ.met	1.000	NPOC:32.46mg/L	0.2mL 1000ppm to 20mL JE20901-3
29	JE20901-1		TOCAQ.met	1.000	NPOC:25.68mg/L	
30	CCVA		TOCAQ.met	1.000	NPOC:53.72mg/L	
31	CCB		TOCAQ.met	1.000	NPOC:0.06553mg/L	
32	JE20901-4		TOCAQ.met	1.000	NPOC:17.31mg/L	
33	JE20901-5		TOCAQ.met	1.000	NPOC:1.748mg/L	
34	JE20825-1		TOCAQ.met	1.000	NPOC:2.610mg/L	
35	JE20825-2		TOCAQ.met	1.000	NPOC:2.353mg/L	
36	JE20825-3		TOCAQ.met	1.000	NPOC:2.421mg/L	
37	JE20825-5		TOCAQ.met	1.000	NPOC:4.171mg/L	
38	JE20698-2		TOCAQ.met	1.000	NPOC:3.948mg/L	
39	JE20698-3		TOCAQ.met	1.000	NPOC:3.767mg/L	
40	GP64785-MB1	[toc]	TOCAQ.met	1.000	NPOC:0.000mg/L	
41	GP64785-B1		TOCAQ.met	1.000	NPOC:10.83mg/L	0.5 mL 1000ppm to 50 mL DI H2O
42	CCV		TOCAQ.met	1.000	NPOC:26.43mg/L	
43	CCB		TOCAQ.met	1.000	NPOC:0.000mg/L	
44	JE20989-1	②	TOCAQ.met	1.000	NPOC:40.28mg/L	overrange, see rerun
45	GP64785-S1	JE20989-1	TOCAQ.met	1.000	NPOC:52.98mg/L	0.2mL 1000ppm to 20mL JE20989-1
46	GP64785-MSD1	JE20989-1	TOCAQ.met	1.000	NPOC:53.49mg/L	0.2mL 1000ppm to 20mL JE20989-1
47	JE20989-2	↓	TOCAQ.met	1.000	NPOC:80.73mg/L	overrange, see rerun
48	JE20989-3		TOCAQ.met	1.000	NPOC:9.387mg/L	
49	JE20989-4		TOCAQ.met	1.000	NPOC:11.66mg/L	
50	JE20989-5	field blank	TOCAQ.met	1.000	NPOC:0.000mg/L	
51	CCVA		TOCAQ.met	1.000	NPOC:51.65mg/L	
52	CCB		TOCAQ.met	1.000	NPOC:0.06354mg/L	

10/17/2025 11:12:26 AM g251015w2.toc GN74908 MB 10-17-25 1/4

17.5 17

C:\TOC-L\Data\g251015w2.tlx

	Sample Name	Sample ID	Origin	Manual Diluti	Result	Comment
53	JE20852-8	(rerun)	TOCAQ.met	10.00	NPOC:195.9mg/L	
54	JE20989-1		TOCAQ.met	5.000	NPOC:39.07mg/L	
55	GP64785-S1	JE20989-1	TOCAQ.met	5.000	NPOC:90.43mg/L	0.2mL 1000ppm to 4mL JE20989-1
56	GP64785-MSD1	JE20989-1	TOCAQ.met	5.000	NPOC:88.80mg/L	0.2mL 1000ppm to 4mL JE20989-1
57	JE20989-2		TOCAQ.met	5.000	NPOC:81.71mg/L	
58	GP64785-MB2	[toc](rerun)	TOCAQ.met	1.000	NPOC:0.2772mg/L	
59	GP64785-B3		TOCAQ.met	1.000	NPOC:10.41mg/L	0.5 mL 1000ppm to 50 mL DI H2O
60	JE20981-3		TOCAQ.met	5.000	NPOC:95.37mg/L	
61	CCV		TOCAQ.met	1.000	NPOC:25.45mg/L	
62	CCB		TOCAQ.met	1.000	NPOC:0.02157mg/L	
63	SPARGERCHK		TOCAQ.met	1.000	NPOC:0.5622mg/L	

g251015w2.toc GN74908 MB 10-17-25

17.5 17

SGS

GN: GN74908

Analyst: MB

Date: 10-15-25

Test: Total Organic Carbon

Product: TOC or DOC

Method: SM5310 B-14, SW846 9060A

g251015w2-toc

Note: Refer to raw data and LIMS for information not shown below.

Autosampler Position #	Sample ID	pH	Diluton Factor	Bottle #	Comments
1	WASHCONF	<2			
2	CRI				
3	HSTD				
4	ICV				
5	ICB				
13	CCVA				
14	CCB				
15	SPARGERCHK				
16	GP64711-MB1			-	[toc]
17	GP64711-B1			-	
18	JE20852-5			6	
19	GP64711-S1			7	JE20852-5
20	GP64711-MSD1			7	JE20852-5
21	JE20852-6			6	
22	JE20852-7			4	
23	JE20852-8			6	
24	JE20852-9			4	
25	CCV				
26	CCB				
27	JE20852-10			4	
28	JE20852-11			5	Field Blank
29	JE21043-4			4	
30	JE20993-4			21	
31	GP64708-MB1			-	[toc]
32	GP64708-B1			-	
33	JE20901-3			31	
34	GP64708-S1			32	JE20901-3

Form:GN054-05 Rev: 1/24/2024

QCReviewer:_____ Date:_____

Comments: BSP: 500ul of 1000ppm KHP up to 50mL with DI H20 TV= 10 mg/L
MS/MSD: 200ul of 1000ppm KHP up to 20mL with sample TV=10 mg/L
ICV: 5mL of 100 ppm Sucrose up to 25mL with DI H20 TV=20 mg/L

17.5 17

SGS

Analyst: MB
Date: 10-15-25

Test: Total Organic Carbon
Product: TOC or DOC
Method: SM5310 B-14, SW846 9060A

Note: Refer to raw data and LIMS for information not shown below.

Autosampler Position #	Sample ID	pH	Diluton Factor	Bottle #	Comments
35	GP64708-MSD1	<2		32	JE20901-3
36	JE20901-1			11	
37	CCVA				
38	CCB				
39	JE20901-4			11	
40	JE20901-5			11	
41	JE20825-1			12	
42	JE20825-2			12	
43	JE20825-3			12	
44	JE20825-5			12	
45	JE20698-2			11	
46	JE20698-3			12	
47	GP64785-MB1			-	[toc]
48	GP64785-B1			-	
49	CCV				
50	CCB				
51	JE20989-1			4	
52	GP64785-S1			4	JE20989-1
53	GP64785-MSD1			4	JE20989-1
54	JE20989-2			4	
55	JE20989-3			4	
56	JE20989-4			4	
57	JE20989-5			5	Field Blank
58	CCVA				
59	CCB				
60	SPARGERCHK				

Form:GN054-05 Rev: 1/24/2024

Comments: BSP: 500ul of 1000ppm KHP up to 50mL with DI H20 TV= 10 mg/L
MS/MSD: 200ul of 1000ppm KHP up to 20mL with sample TV=10 mg/L
ICV: 5mL of 100 ppm Sucrose up to 25mL with DI H20 TV=20 mg/L

17.5 17

SGS

Analyst MB Product TOC Autopipette # 53

Date 10-16-25 Batch ID GN74908 Class A Vol. Flask

Sample Dilution Prep Log

Sample ID	Dilution	Initial Volume	Final Volume	Comments
JE20981-3	1:5	4 mL	20 mL	Rerun (GPG4784)
~~JE220825~~				
JE20852-8	1:10	2 mL	20 mL	Rerun (GPG4711)
JE20989-1	1:5	4 mL	20 mL	Rerun (GPG4785)
-2	1:5	4 mL	20 mL	↓

QC Reviewer:_____ Date:_____

Form: GN165-01
Rev. Date: 2/25/03

SGS

Reagent Information Log - TOC/DOC

GN 74908

Reagent	Expiration Date	Reagent # or Manufacturer/Lot
Potassium Hydrogen Phthlate (KHP), Stock Solution 1000 mg/L	10/17/2025	GNE7-78933-TOC
Carbonate/Bicarbonate Stock Solution	11/20/2025	GNE8-79252-TOC
Sparger Check Solution	10/24/2025	GNE9-79653-TOC
CCV Solution (25 ppm)	11/10/2025	GNE10-79780-TOC
CCVA Solution (50 ppm)	11/10/2025	GNE10-79781-TOC
CRI Check	10/17/2025	GNE9-79602-TOC
HCl	2/9/2026	J.T.Baker LOT #23J2062001
pH Hydron Paper	8/1/2026	Fisher LOT #222221
Sucrose Stock Solution	10/24/2025	GNE9-79652-TOC
IC Millex 0.45µm filter	N/A	Merck Millipore LOT #0000163467

All standards and stocks were made as described in the SOP for this method (circle one): (Y) or N
If no (N), see attached page for standards prep.

Form: GN087A67-043
Rev Date: 3/17/2023

17.5 17

SGS

GENERAL CHEMISTRY STANDARD PREPARATION LOG FOR TOC (AQ)

Product: TOC

Analyst: MB

Date: 10-17-25

GN/GP number: GN74908

Intermediate Standard Description	Stock used to prepare standard	Stock concentration (mg/L)	Stock volume used (mL or g)	Balance/Pipette ID*	Diluent(a)	Final Volume	Final Conc. of Intermediate (mg/L)	Expiration Date	Analyst	Date
GNE7-78933-TOC	**Fisher Lot:** 230095	KHP	2.1275 g	B-39	DI H2O	1000 mL	1000 ppm	10/17/2025	MB	7/18/2025
GNE9-79601-TOC	*GNE7-78933-TOC*	1000 ppm	20 mL	Class A Pipet	DI H2O	200 mL	100 ppm	10/17/2025	MB	9/23/2025
GNE9-79652-TOC	**Fisher Lot:** 210554	Sucrose	0.0483 g	B-39	DI H2O	200 mL	100 ppm	10/24/2025	MB	9/26/2025
Standard Description	**Intermediate or Stock used to prepare standard**	**Intermediate or Stock concentration (mg/L)**	**Intermediate or Stock volume used (mL)**	**Balance/Pipette ID***	**Diluent**	**Final Volume**	**Final Conc. of Standard (mg/L)**	**Expiration Date**	**Analyst**	**Date**
KHP STDS										
GNE9-79602-TOC	*GNE9-79601-TOC*	100 ppm	1.0	Class A Pipet	DI H2O	100 mL	1.0	10/17/2025	MB	9/23/2025
GNE9-79603-TOC	*GNE9-79601-TOC*	100 ppm	2.0	Class A Pipet	DI H2O	100 mL	2.0	10/17/2025	MB	9/23/2025
GNE9-79604-TOC	*GNE9-79601-TOC*	100 ppm	5.0	Class A Pipet	DI H2O	100 mL	5.0	10/17/2025	MB	9/23/2025
GNE9-79605-TOC	*GNE9-79601-TOC*	100 ppm	10.0	Class A Pipet	DI H2O	100 mL	10.0	10/17/2025	MB	9/23/2025
GNE9-79606-TOC	*GNE9-79601-TOC*	100 ppm	20.0	Class A Pipet	DI H2O	100 mL	20.0	10/17/2025	MB	9/23/2025
GNE9-79607-TOC	*GNE9-79601-TOC*	100 ppm	30.0	Class A Pipet	DI H2O	100 mL	30.0	10/17/2025	MB	9/23/2025
GNE9-79608-TOC	*GNE9-79601-TOC*	100 ppm	50.0	Class A Pipet	DI H2O	100 mL	50.0	10/17/2025	MB	9/23/2025
KHP STDS										
GNE10-79779-TOC	**Acros Lot:** A0383564	KHP	0.2154 g	B-39	DI H2O	100 mL	100 ppm	11/10/2025	MB	10/13/2025
GNE10-79780-TOC	*GNE10-79779-TOC*	100 ppm	50 mL	Class A Pipet	DI H2O	100 mL	25 ppm	11/10/2025	MB	10/13/2025
GNE10-79781-TOC	*GNE10-79779-TOC*	100 ppm	100 mL	Class A Pipet	DI H2O	100 mL	50 ppm	11/10/2025	MB	10/13/2025

*If Class A glass pipettes are used, enter an A.

(a) Dilutent reagent reference number:

Expiration date:

All strikeouts must be initialed, dated, and reason applied if not transcription error

Form: GN199-02
Rev. Date: 3/17/2023

TOC-Control L Report

Chem
g250923wcal tlx

Instr.Information

Instrument Options	TOC ASI Sparge Kit
Catalyst	Regular Sensitivity
Cell Length	long

Cal. Curve

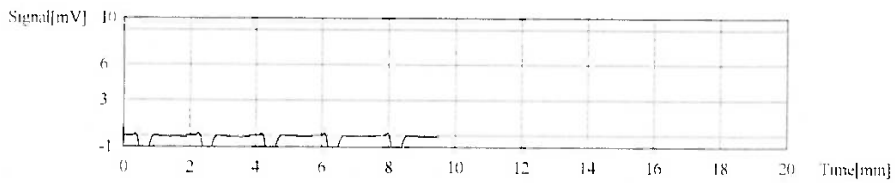
Sample Name	Untitled
Sample ID	Untitled
Cal. Curve	g250923wL2025_09_23_13_11_27.cal
Status	Completed

Type	Anal.
Standard	NPOC

Conc. 0.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	4.707	100uL	1.000	*******		9/23/2025 1:28:08 PM
2	4.897	100uL	1.000	*******		9/23/2025 1:41:34 PM
3	5.441	100uL	1.000	*******		9/23/2025 1:55:00 PM
4	5.031	100uL	1.000	*******		9/23/2025 2:08:27 PM
5	0.000	100uL	1.000	*******	E	9/23/2025 2:21:58 PM

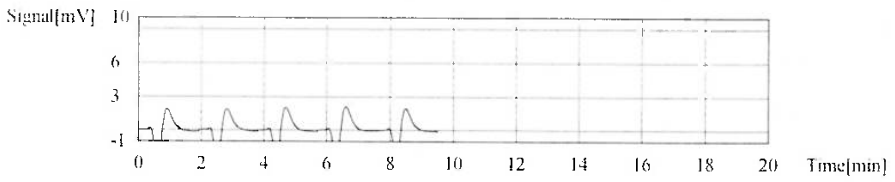
Acid Add	0.000%
Sparge Gas Flow	80mL/min
Sp. Time	600.0sec
Mean Area	4.519
CV Area	23.01%



Conc. 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	11.27	100uL	1.000	*******		9/23/2025 2:39:03 PM
2	11.16	100uL	1.000	*******		9/23/2025 2:52:37 PM
3	0.7940	100uL	1.000	*******	E	9/23/2025 3:06:04 PM
4	11.08	100uL	1.000	*******		9/23/2025 3:19:41 PM
5	10.38	100uL	1.000	*******		9/23/2025 3:33:10 PM

Acid Add.	0.000%
Sparge Gas Flow	80mL/min
Sp. Time	600.0sec
Mean Area	10.97
CV Area	3.67%



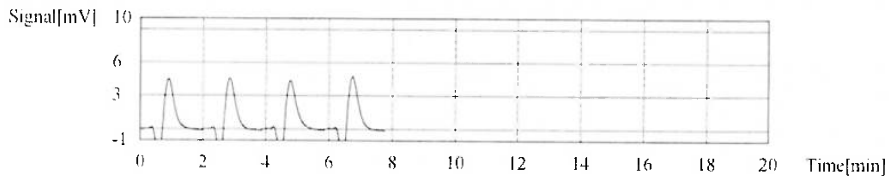
Conc. 2.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	18.41	100uL	1.000	*******		9/23/2025 3:50:15 PM
2	16.67	100uL	1.000	*******		9/23/2025 4:03:41 PM
3	17.63	100uL	1.000	*******		9/23/2025 4:17:13 PM
4	17.51	100uL	1.000	*******		9/23/2025 4:30:39 PM

TOC-Control L Report

Chem
g250923weal tlx

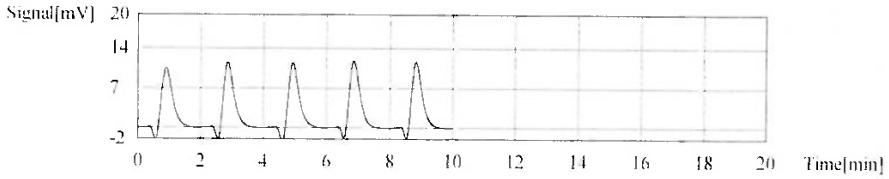
Acid Add. 0.000%
Sparge Gas Flow 80mL min
Sp. Time 600.0sec
Mean Area 17.56
CV Area 4.06%



Conc. 5.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	22.96	100uL	1.000	*******		9/23/2025 4:48:02 PM
2	24.35	100uL	1.000	*******		9/23/2025 5:01:37 PM
3	33.25	100uL	1.000	*******	E	9/23/2025 5:18:10 PM
4	31.67	100uL	1.000	*******		9/23/2025 5:28:39 PM
5	25.60	100uL	1.000	*******		9/23/2025 5:42:07 PM

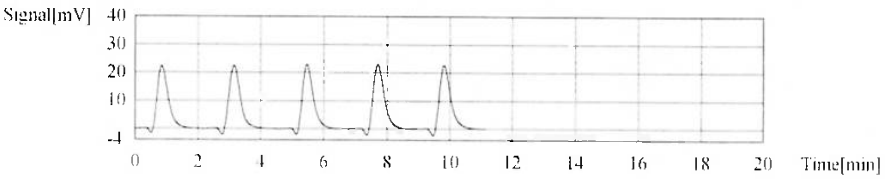
Acid Add. 0.000%
Sparge Gas Flow 80mL min
Sp. Time 600.0sec
Mean Area 26.00
CV Area 14.92%



Conc. 10.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	51.41	100uL	1.000	*******		9/23/2025 5:59:28 PM
2	53.21	100uL	1.000	*******		9/23/2025 6:13:20 PM
3	60.97	100uL	1.000	*******	E	9/23/2025 6:27:05 PM
4	53.09	100uL	1.000	*******		9/23/2025 6:40:42 PM
5	52.67	100uL	1.000	*******		9/23/2025 6:54:27 PM

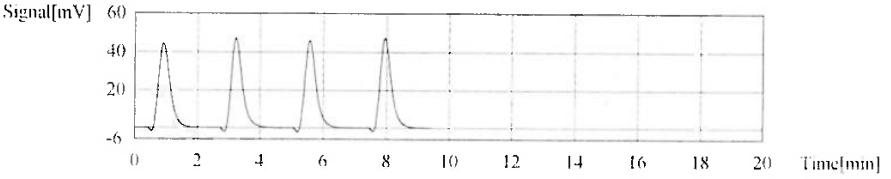
Acid Add. 0.000%
Sparge Gas Flow 80mL min
Sp. Time 600.0sec
Mean Area 52.59
CV Area 1.57%



Conc. 20.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	113.7	100uL	1.000	*******		9/23/2025 7:11:50 PM
2	113.0	100uL	1.000	*******		9/23/2025 7:25:37 PM
3	113.1	100uL	1.000	*******		9/23/2025 7:39:31 PM
4	119.9	100uL	1.000	*******		9/23/2025 7:53:24 PM

Acid Add. 0.000%
Sparge Gas Flow 80mL min
Sp. Time 600.0sec
Mean Area 114.9
CV Area 2.90%



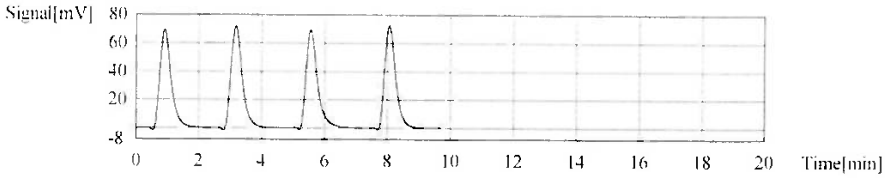
Conc. 30.00mg/L

TOC-Control L Report

Chem
g250923weal.tlx

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	169.6	100uL	1.000	********		9/23/2025 8:10:57 PM
2	183.4	100uL	1.000	********		9/23/2025 8:24:40 PM
3	172.6	100uL	1.000	********		9/23/2025 8:38:47 PM
4	173.9	100uL	1.000	********		9/23/2025 8:52:44 PM

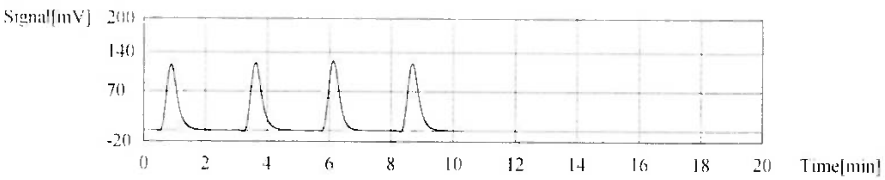
Acid Add 0.000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 174.9
CV Area 3.41%



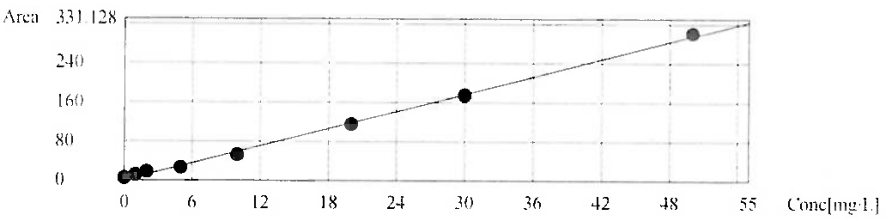
Conc. 50.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	297.1	100uL	1.000	********		9/23/2025 9:10:43 PM
2	301.4	100uL	1.000	********		9/23/2025 9:24:42 PM
3	305.4	100uL	1.000	********		9/23/2025 9:38:45 PM
4	300.2	100uL	1.000	********		9/23/2025 9:52:43 PM

Acid Add 0.000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 301.0
CV Area 1.14%



Slope 5.909
Intercept 0.000
r^2 0.9977
r 0.9988
Zero Shift Yes



TOC-Control L Report

Chem
g251015w2.tlx

Instr.Information

Instrument Options	TOC ASI Sparge Kit
Catalyst	Regular Sensitivity
Cell Length	long

Sample

Sample Name:	WASHCONF
Sample ID:	
Origin	TOCAQSW846.met
Status	Completed
Chk. Result	

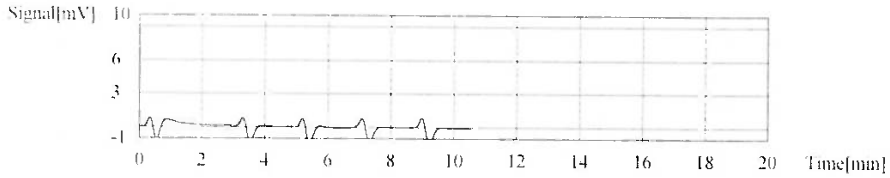
Type	Anal.	Result
Unknown	NPOC	NPOC 0.000mg/L

1. Det

Anal. NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	1.938	0.3280mg/L	100uL	F	g250923w1 2025_09_23_13_11_27.cal	10/15/2025 11:10:24 AM
2	0.000	0.000mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/15/2025 11:12:34 AM
3	0.000	0.000mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/15/2025 11:14:39 AM
4	0.000	0.000mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/15/2025 11:16:48 AM
5	0.000	0.000mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/15/2025 11:18:55 AM

Acid Add	0.000%
Sparge Gas Flow	80ml/min
Sp. Time	600.0sec
Mean Area	0.000
SD Area	0.000
CV Area	0.00%
No Washes	1



Sample

Sample Name:	CRI
Sample ID:	
Origin:	TOCAQSW846.met
Status	Completed
Chk. Result	

Type	Anal.	Result
Unknown	NPOC	NPOC 1.091mg/L

1. Det

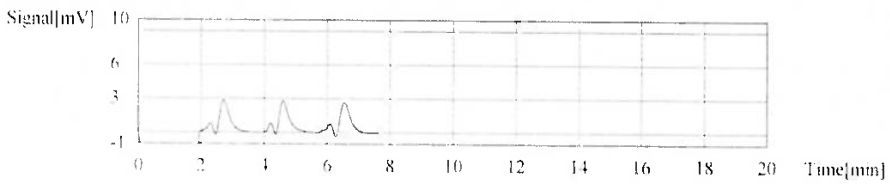
Anal. NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	0.691	1.117mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/15/2025 11:58:25 AM
2	0.430	1.088mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/15/2025 12:00:38 PM
3	0.545	1.108mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/15/2025 12:02:43 PM
4	0.210	1.051mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/15/2025 12:04:57 PM

TOC-Control L Report

Chem
g251015w2.tlx

Acid Add	0.000%
Sparge Gas Flow	80mL/min
Sp. Time	600.0sec
Mean Area	6.447
SD Area	0.1730
CV Area	2.68%
No Washes	1



Sample

Sample Name	HSTD
Sample ID	
Origin	TOCAQSW816.met
Status	Completed
Chk. Result	

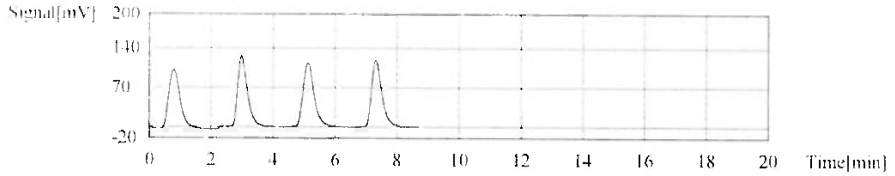
Type	Anal.	Result
Unknown	NPOC	NPOC 46.83mg/L

1: Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	265.8	44.99mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/15/2025 12:23:37 PM
2	271.7	45.98mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/15/2025 12:26:01 PM
3	287.8	48.66mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/15/2025 12:28:31 PM
4	281.9	47.71mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/15/2025 12:30:53 PM

Acid Add	0.000%
Sparge Gas Flow	80mL/min
Sp. Time	600.0sec
Mean Area	276.7
SD Area	9.789
CV Area	3.54%
No Washes	1



Sample

Sample Name	ICV
Sample ID	
Origin	TOCAQSW846.met
Status	Completed
Chk. Result	

Type	Anal.	Result
Unknown	NPOC	NPOC 21.33mg/L

1: Det

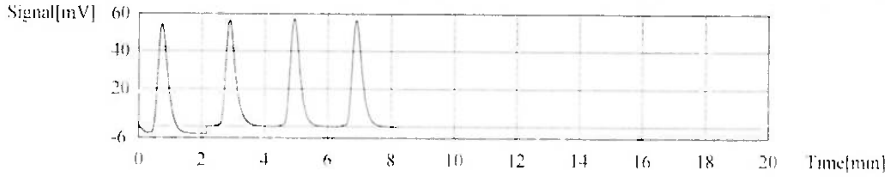
Anal.: NPOC

TOC-Control L Report

Chem
g251015w2.tlx

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	129.1	21.85mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/15/2025 12:49:16 PM
2	122.3	20.70mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/15/2025 12:51:40 PM
3	127.4	21.56mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/15/2025 12:53:50 PM
4	125.4	21.22mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/15/2025 12:56:05 PM

Acid Add 0.000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 126.1
SD Area 2.922
CV Area 2.32%
No Washes 1



Sample

Sample Name: ICB
Sample ID:
Origin: TOCAQSW846.met
Status: Completed
Chk. Result:

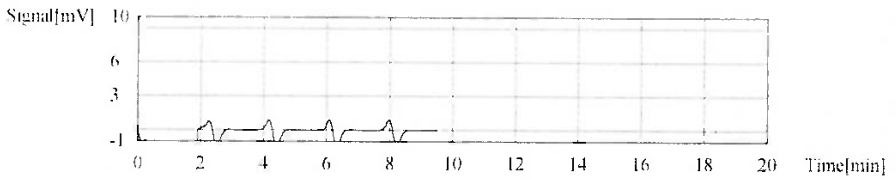
Type	Anal.	Result
Unknown	NPOC	NPOC 0.000mg/L

1 Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	5.246	0.8879mg/L	100uL	E	g250923w1 2025_09_23_13_11_27.cal	10/15/2025 1:16:33 PM
2	0.000	0.000mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/15/2025 1:18:47 PM
3	0.000	0.000mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/15/2025 1:20:57 PM
4	0.000	0.000mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/15/2025 1:23:02 PM
5	0.000	0.000mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/15/2025 1:25:11 PM

Acid Add 0.000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 0.000
SD Area 0.000
CV Area 0.00%
No Washes 1



Sample

Sample Name: CCVA
Sample ID:
Origin: TOCAQ.met
Status: Completed
Chk. Result:

Type	Anal.	Result
Unknown	NPOC	NPOC 49.53mg/L

TOC-Control L Report

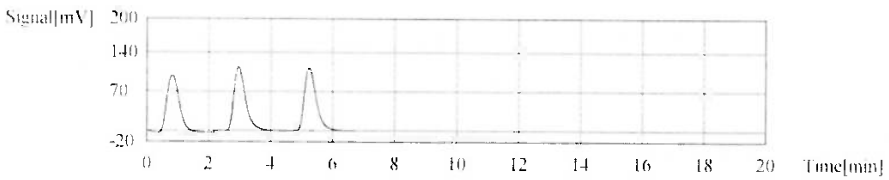
Chem
g251015w2.tlx

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	280.8	47.52mg/L	100ul		g250923w1_2025_09_23_13_11_27.cal	10/15/2025 5:25:56 PM
2	296.5	50.18mg/L	100ul		g250923w1_2025_09_23_13_11_27.cal	10/15/2025 5:28:37 PM
3	300.7	50.89mg/L	100ul		g250923w1_2025_09_23_13_11_27.cal	10/15/2025 5:31:05 PM

Acid Add: 0.000%
Sparge Gas Flow: 80mL/min
Sp. Time: 600.0sec
Mean Area: 292.7
SD Area: 10.89
CV Area: 3.58%
No Washes: 1



Sample

Sample Name: CCB
Sample ID:
Origin: TOCAQ.met
Status: Completed
Chk. Result:

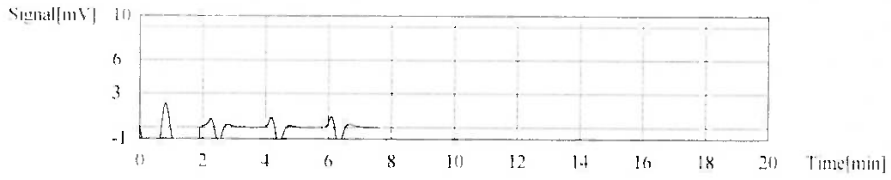
Type	Anal.	Result
Unknown	NPOC	NPOC 0.000mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	12.64	2.139mg/L	100ul	E	g250923w1_2025_09_23_13_11_27.cal	10/15/2025 5:47:17 PM
2	0.000	0.000mg/L	100ul		g250923w1_2025_09_23_13_11_27.cal	10/15/2025 5:49:30 PM
3	0.000	0.000mg/L	100ul		g250923w1_2025_09_23_13_11_27.cal	10/15/2025 5:51:35 PM
4	0.000	0.000mg/L	100ul		g250923w1_2025_09_23_13_11_27.cal	10/15/2025 5:53:40 PM

Acid Add: 0.000%
Sparge Gas Flow: 80mL/min
Sp. Time: 600.0sec
Mean Area: 0.000
SD Area: 0.000
CV Area: 0.00%
No Washes: 1



Sample

Sample Name: SPARGERCHK
Sample ID:
Origin: TOCAQ.met
Status: Completed
Chk. Result:

TOC-Control L Report

Chem
g251015w2.tlx

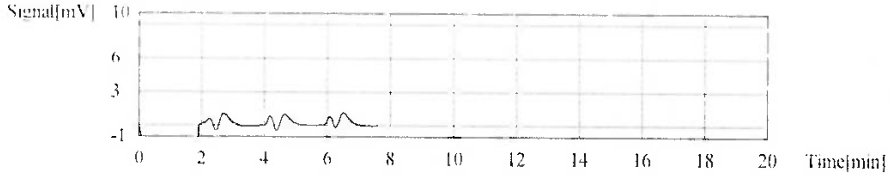
Type	Anal.	Result
Unknown	NPOC	NPOC 0.4355mg/L

1 Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	3.645	0.6169mg/L	100uL	E	g250923w1 2025-09-23 13-11-27.cal	10/15/2025 6:09:45 PM
2	2.292	0.3857mg/L	100uL		g250923w1 2025-09-23 13-11-27.cal	10/15/2025 6:12:01 PM
3	2.490	0.4027mg/L	100uL		g250923w1 2025-09-23 13-11-27.cal	10/15/2025 6:14:06 PM
4	3.019	0.521mg/L	100uL		g250923w1 2025-09-23 13-11-27.cal	10/15/2025 6:16:11 PM

Acid Add. 0.000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 2.573
SD Area 0.3904
CV Area 15.17%
No Washes 1



Sample

Sample Name: GI764711-MB1
Sample ID [toc]
Origin TOC/AQ met
Status Completed
Chk. Result

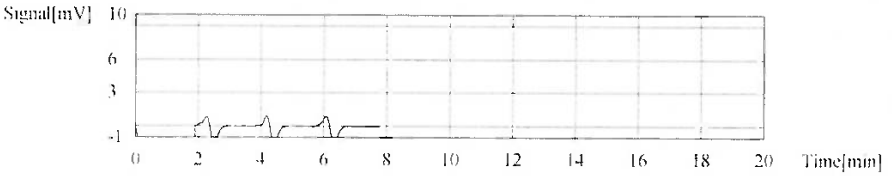
Type	Anal.	Result
Unknown	NPOC	NPOC 0.000mg/L

1 Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	2.338	0.3857mg/L	100uL	E	g250923w1 2025-09-23 13-11-27.cal	10/15/2025 6:38:05 PM
2	0.000	0.000mg/L	100uL		g250923w1 2025-09-23 13-11-27.cal	10/15/2025 6:40:18 PM
3	0.000	0.000mg/L	100uL		g250923w1 2025-09-23 13-11-27.cal	10/15/2025 6:42:23 PM
4	0.000	0.000mg/L	100uL		g250923w1 2025-09-23 13-11-27.cal	10/15/2025 6:44:43 PM

Acid Add. 0.000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 0.000
SD Area 0.000
CV Area 0.00%
No Washes 1



Sample

TOC-Control L Report

Chem
g251015w2.tlx

Sample Name: GP64711-B1
Sample ID:
Origin: TOCAQ met
Status Completed
Chk Result

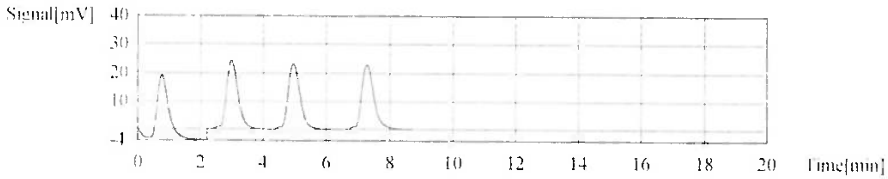
Type	Anal.	Result
Unknown	NPOC	NPOC 10.26mg/L

1 Det

Anal : NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	54.40	9.207mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/15/2025 7:01:08 PM
2	62.23	10.53mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/15/2025 7:03:24 PM
3	62.53	10.58mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/15/2025 7:05:56 PM
4	63.22	10.70mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/15/2025 7:08:21 PM

Acid Add 0.000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 60.60
SD Area 3.151
CV Area 5.854%
No Washes 1



Sample

Sample Name: JE20852-5
Sample ID
Origin: TOCAQ met
Status Completed
Chk Result

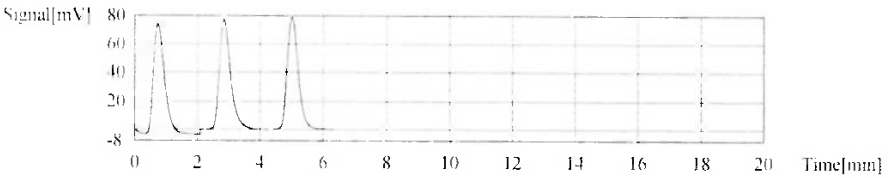
Type	Anal.	Result
Unknown	NPOC	NPOC 32.31mg/L

1 Det

Anal : NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	186.8	31.62mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/15/2025 8:06:21 PM
2	193.1	32.68mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/15/2025 8:08:49 PM
3	192.8	32.63mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/15/2025 8:11:07 PM

Acid Add 0.000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 190.9
SD Area 3.551
CV Area 1.860%
No Washes 1



TOC-Control L Report

Chem
g251015w2.tlx

Sample

Sample Name: GP64711-ST
Sample ID: JE20852-5
Origin: TOCAQ.met
Status: Completed
Chk. Result:

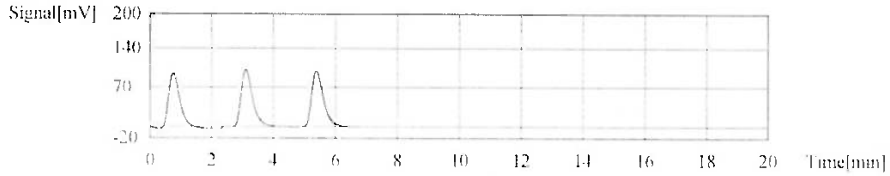
Type	Anal.	Result
Unknown	NPOC	NPOC 44.11mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	254.8	43.12mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/15/2025 8:27:44 PM
2	263.7	44.63mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/15/2025 8:30:24 PM
3	264.3	44.86mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/15/2025 8:32:49 PM

Acid Add.: 0.000%
Sparge Gas Flow: 80mL/min
Sp. Time: 600.0sec
Mean Area: 260.6
SD Area: 5.027
CV Area: 1.93%
No Washes: 1



Sample

Sample Name: GP64711-MSD1
Sample ID: JE20852-5
Origin: TOCAQ.met
Status: Completed
Chk. Result:

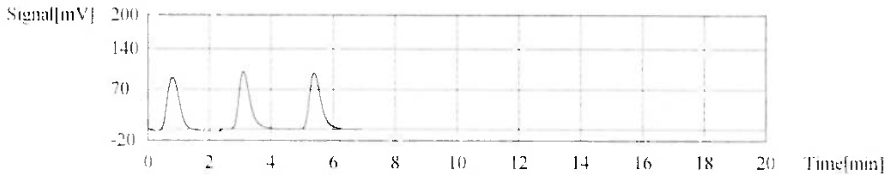
Type	Anal.	Result
Unknown	NPOC	NPOC 43.86mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	261.1	44.19mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/15/2025 8:49:28 PM
2	257.6	43.60mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/15/2025 8:52:05 PM
3	258.8	43.80mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/15/2025 8:54:37 PM

Acid Add.: 0.000%
Sparge Gas Flow: 80mL/min
Sp. Time: 600.0sec
Mean Area: 259.2
SD Area: 1.779
CV Area: 0.69%
No Washes: 1



TOC-Control L Report

Chem
g251015w2.tlx

Sample

Sample Name: JE20852-6
Sample ID:
Origin: TOCAQ met
Status: Completed
Chk. Result:

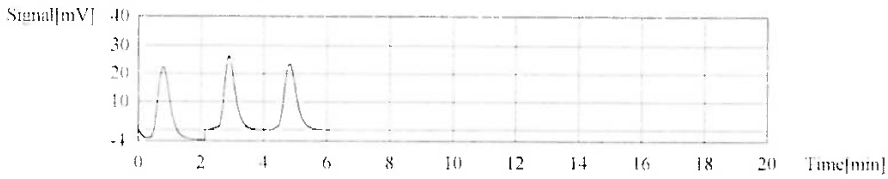
Type	Anal.	Result
Unknown	NPOC	NPOC 11.12mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	68.81	11.65mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/15/2025 9:11:02 PM
2	63.46	10.74mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/15/2025 9:13:15 PM
3	64.92	10.99mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/15/2025 9:15:29 PM

Acid Add: 0.000%
Sparge Gas Flow: 80mL/min
Sp. Time: 600.0sec
Mean Area: 65.73
SD Area: 2.768
CV Area: 4.21%
No Washes: 1



Sample

Sample Name: JE20852-7
Sample ID:
Origin: TOCAQ met
Status: Completed
Chk. Result:

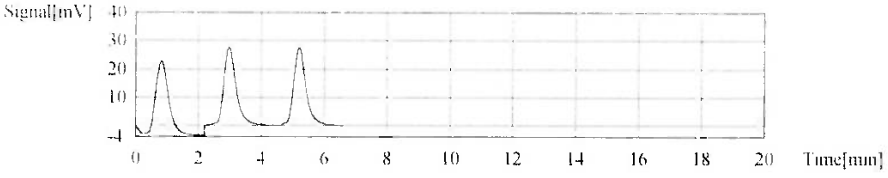
Type	Anal.	Result
Unknown	NPOC	NPOC 12.50mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	73.11	12.37mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/15/2025 9:31:58 PM
2	74.23	12.56mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/15/2025 9:34:28 PM
3	75.28	12.74mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/15/2025 9:36:52 PM

Acid Add: 0.000%
Sparge Gas Flow: 80mL/min
Sp. Time: 600.0sec
Mean Area: 74.21
SD Area: 1.085
CV Area: 1.46%
No Washes: 1



TOC-Control L Report

Chem
p251015w2.tlx

Sample

Sample Name: JE20852-8
Sample ID:
Origin: TOCAQ.met
Status: Completed
Chk. Result:

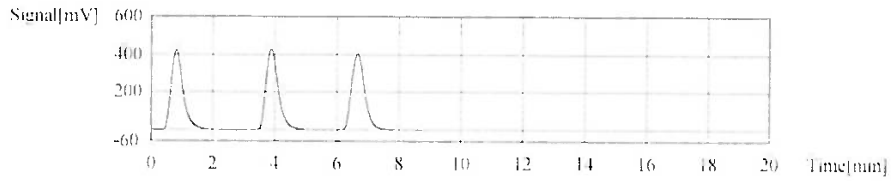
Type	Anal.	Result
Unknown	NPOC	NPOC 199.8mg/L

1 Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	1167	197.5mg/L	100uL		p250923w1 2025_09_23_13_11_27.cal	10/15/2025 9:54:12 PM
2	1184	200.4mg/L	100uL		p250923w1 2025_09_23_13_11_27.cal	10/15/2025 9:57:20 PM
3	1195	203.1mg/L	100uL		p250923w1 2025_09_23_13_11_27.cal	10/15/2025 10:00:33 PM

Acid Add: 0.000%
Sparge Gas Flow: 80mL/min
Sp. Time: 600.0sec
Mean Area: 1182
SD Area: 11.93
CV Area: 1.01%
No Washes: 1



Sample

Sample Name: JE20852-9
Sample ID:
Origin: TOCAQ.met
Status: Completed
Chk. Result:

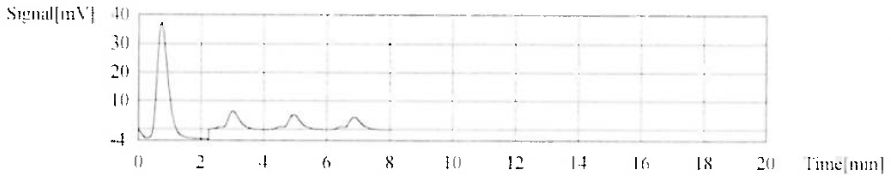
Type	Anal.	Result
Unknown	NPOC	NPOC 2.543mg/L

1 Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	98.80	16.74mg/L	100uL	E	p250923w1 2025_09_23_13_11_27.cal	10/15/2025 10:17:08 PM
2	16.87	2.845mg/L	100uL		p250923w1 2025_09_23_13_11_27.cal	10/15/2025 10:19:19 PM
3	15.07	2.551mg/L	100uL		p250923w1 2025_09_23_13_11_27.cal	10/15/2025 10:21:29 PM
4	13.23	2.239mg/L	100uL		p250923w1 2025_09_23_13_11_27.cal	10/15/2025 10:23:44 PM

Acid Add: 0.000%
Sparge Gas Flow: 80mL/min
Sp. Time: 600.0sec
Mean Area: 15.04
SD Area: 1.790
CV Area: 11.91%
No Washes: 1



TOC-Control L Report

Chem
g25101 5w2.tlx

Sample

Sample Name: CCV
Sample ID
Origin TOC AQ met
Status Completed
Chk. Result

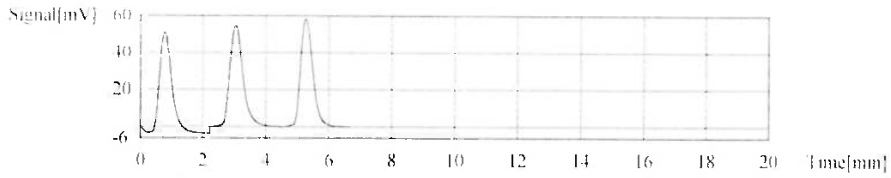
Type	Anal.	Result
Unknown	NPOC	NPOC 25.85mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	145.6	24.64mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/15/2025 10:40:09 PM
2	150.4	25.47mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/15/2025 10:42:44 PM
3	153.2	25.94mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/15/2025 10:45:12 PM

Acid Add 0.000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 152.7
SD Area 6.178
CV Area 4.05%
No Washes 1



Sample

Sample Name: CCB
Sample ID
Origin TOC AQ met
Status Completed
Chk. Result

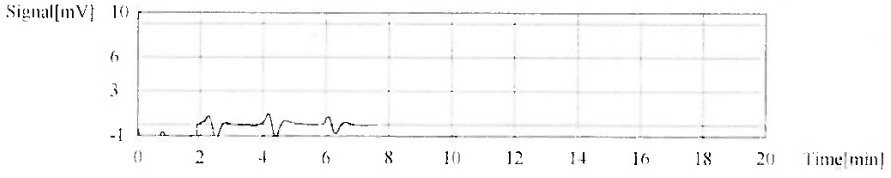
Type	Anal.	Result
Unknown	NPOC	NPOC 0.03925mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	6.419	1.086mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/15/2025 11:01:23 PM
2	0.000	0.000mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/15/2025 11:03:36 PM
3	0.4723	0.07994mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/15/2025 11:05:45 PM
4	0.2234	0.0378mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/15/2025 11:07:59 PM

Acid Add 0.000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 0.2319
SD Area 0.2365
CV Area 101.88%
No Washes 1



TOC-Control L Report

Chem
g251015w2.tlx

Sample

Sample Name: JE20852-10
Sample ID:
Origin: TOCAQ.met
Status: Completed
Chk. Result:

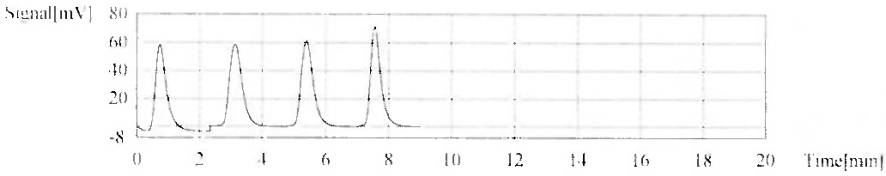
Type	Anal.	Result
Unknown	NPOC	NPOC 27.93mg/L

1: Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	152.2	25.76mg/L	100uL	F	g250923w1_2025_09_23_13_11_27.cal	10/15/2025 11:24:23 PM
2	167.0	28.26mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/15/2025 11:26:57 PM
3	166.2	28.13mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/15/2025 11:29:23 PM
4	161.9	27.4 mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/15/2025 11:31:43 PM

Acid Add: 0.000%
Sparge Gas Flow: 80mL/min
Sp. Time: 600.0sec
Mean Area: 165.0
SD Area: 2.743
CV Area: 1.66%
No Washes: 1



Sample

Sample Name: JE20852-11
Sample ID: field blank
Origin: TOCAQ.met
Status: Completed
Chk. Result:

Type	Anal.	Result
Unknown	NPOC	NPOC 0.2775mg/L

1: Det

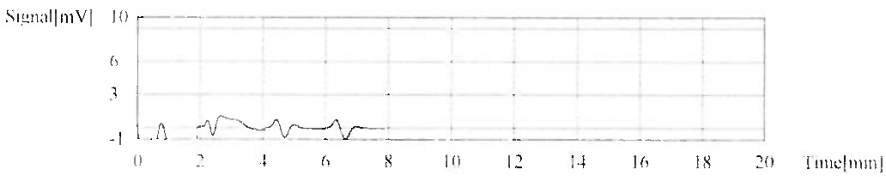
Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	8.283	1.403mg/L	100uL	F	g250923w1_2025_09_23_13_11_27.cal	10/15/2025 11:47:49 PM
2	4.572	0.7738mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/15/2025 11:50:23 PM
3	0.3472	0.06876mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/15/2025 11:52:32 PM
4	0.000	0.000mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/15/2025 11:54:41 PM

TOC-Control L Report

Client
g251015w2.tlx

Acid Add	0.000%
Sparge Gas Flow	80mL/min
Sp. Time	600.0sec
Mean Area	1.640
SD Area	2.545
CV Area	155.23%
No Washes	1



Sample

Sample Name	JE20913-4
Sample ID	
Origin	TOCAQ met
Status	Completed
Chk. Result	

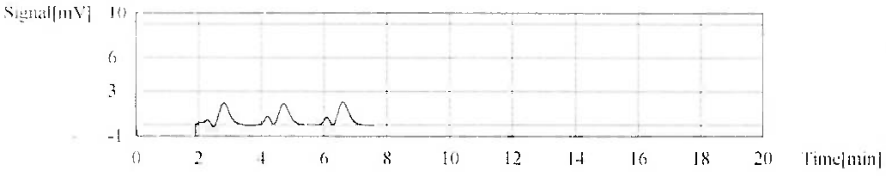
Type	Anal.	Result
Unknown	NPOC	NPOC 0.7667mg/L

1 Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Ex	Cal. Curve	Date / Time
1	4.213	0.7130mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/16/2025 12:10:47 AM
2	4.158	0.703mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/16/2025 12:13:04 AM
3	5.210	0.883mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/16/2025 12:15:06 AM
4	5.535	0.938mg/L	100uL	E	g250923w1_2025_09_23_13_11_27.cal	10/16/2025 12:17:14 AM

Acid Add.	0.000%
Sparge Gas Flow	80mL/min
Sp. Time	600.0sec
Mean Area	1.530
SD Area	0.5073
CV Area	13.19%
No Washes	1



Sample

Sample Name:	JE20993-1
Sample ID	
Origin:	TOCAQ met
Status	Completed
Chk. Result	

Type	Anal.	Result
Unknown	NPOC	NPOC 0.0817mg/L

1 Det

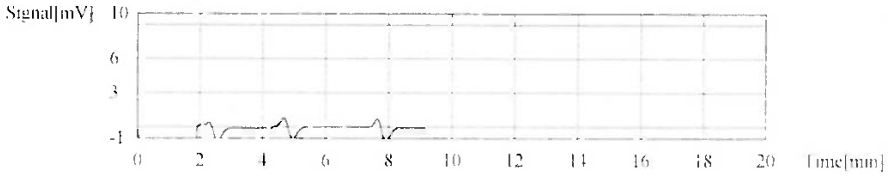
Anal.: NPOC

TOC-Control L Report

Chem
g251015w2.tlx

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	2.004	0.3302mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/16/2025 12:33:20 AM
2	0.000	0.000mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/16/2025 12:36:08 AM
3	0.000	0.000mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/16/2025 12:39:20 AM
4	0.000	0.000mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/16/2025 12:41:25 AM

Acid Add. 0.000%
Sparge Gas Flow 80ml/min
Sp. Time 600.0sec
Mean Area 0.5010
SD Area 1.002
CV Area 200.00%
No Washes 2



Sample

Sample Name GP64708-MB1
Sample ID [toc]
Origin TOCAQ.met
Status Completed
Chk. Result

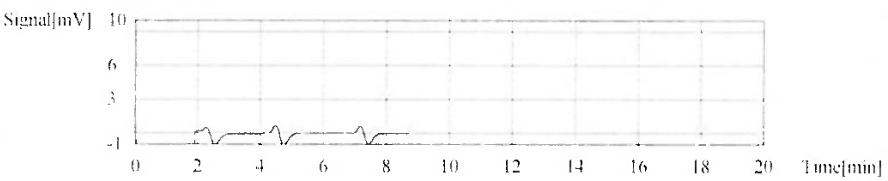
Type	Anal.	Result
Unknown	NPOC	NPOC 0.000mg/L

1 Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	0.6198	0.1049mg/L	100uL	E	g250923w1_2025_09_23_13_11_27.cal	10/16/2025 12:57:32 AM
2	0.000	0.000mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/16/2025 1:00:07 AM
3	0.000	0.000mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/16/2025 1:03:00 AM
4	0.000	0.000mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/16/2025 1:05:05 AM

Acid Add. 0.000%
Sparge Gas Flow 80ml/min
Sp. Time 600.0sec
Mean Area 0.000
SD Area 0.000
CV Area 0.00%
No Washes 1



Sample

Sample Name GP64708-B1
Sample ID
Origin TOCAQ.met
Status Completed
Chk. Result

Type	Anal.	Result
Unknown	NPOC	NPOC 19.90mg/L

1 Det

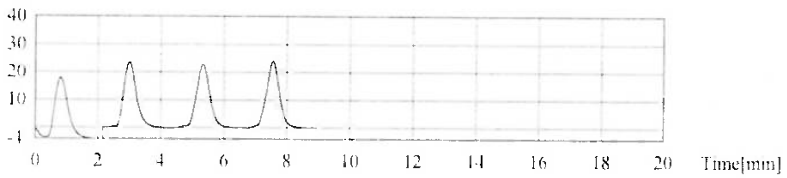
TOC-Control L Report

Chem
g251015w2.tlx

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	60.52	10.28mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/16/2025 1:21:28 AM
2	65.65	11.11mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/16/2025 1:24:08 AM
3	67.12	11.36mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/16/2025 1:26:36 AM
4	68.80	11.64mg/L	100uL	E	g250923w1 2025_09_23_13_11_27.cal	10/16/2025 1:29:04 AM

Acid Add.	0.000%
Sparge Gas Flow	80mL/min
Sp. Time	600.0sec
Mean Area	64.43
SD Area	3.465
CV Area	5.38%
No Washes	1



Sample

Sample Name	JE20901-3
Sample ID	
Origin	TOC_AQ.met
Status	Completed
Chk. Result	

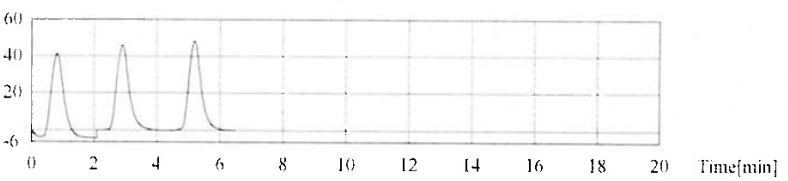
Type	Anal.	Result
Unknown	NPOC	NPOC: 21.32mg/L

1: Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	123.2	20.85mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/16/2025 1:45:22 AM
2	126.7	21.44mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/16/2025 1:48:03 AM
3	128.0	21.66mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/16/2025 1:50:20 AM

Acid Add.	0.000%
Sparge Gas Flow	80mL/min
Sp. Time	600.0sec
Mean Area	126.0
SD Area	2.483
CV Area	1.97%
No Washes	1



Sample

Sample Name:	GP64708-S1
Sample ID:	JE20901-3
Origin:	TOC_AQ.met
Status	Completed
Chk. Result	

Type	Anal.	Result
Unknown	NPOC	NPOC: 32.41mg/L

TOC-Control L Report

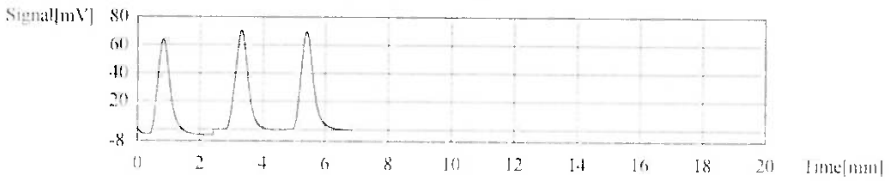
Chem
g251015w2.tlx

1 Det

Anal: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	184.9	31.20mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/16/2025 2:07:03 AM
2	194.0	32.99mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/16/2025 2:09:34 AM
3	194.3	32.95mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/16/2025 2:12:09 AM

Acid Add 0.000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 191.5
SD Area 5.717
CV Area 2.99%
No Washes 1



Sample

Sample Name: GP64708-MSD1
Sample ID: JE20901-3
Origin: TOCAQ.met
Status: Completed
Chk. Result:

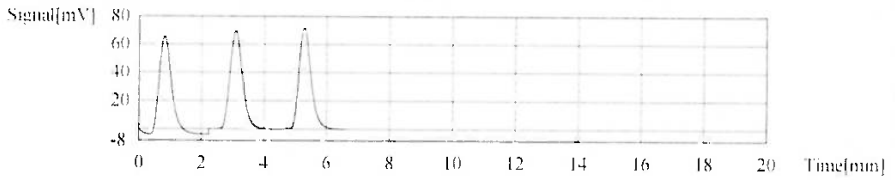
Type	Anal.	Result
Unknown	NPOC	NPOC 32.40mg/L

1 Det

Anal: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	189.7	32.11mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/16/2025 2:28:41 AM
2	193.1	32.68mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/16/2025 2:31:17 AM
3	192.5	32.58mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/16/2025 2:33:40 AM

Acid Add 0.000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 191.8
SD Area 1.815
CV Area 0.95%
No Washes 1



Sample

Sample Name: JE20901-1
Sample ID:
Origin: TOCAQ.met
Status: Completed
Chk. Result:

Type	Anal.	Result
Unknown	NPOC	NPOC 25.68mg/L

TOC-Control L Report

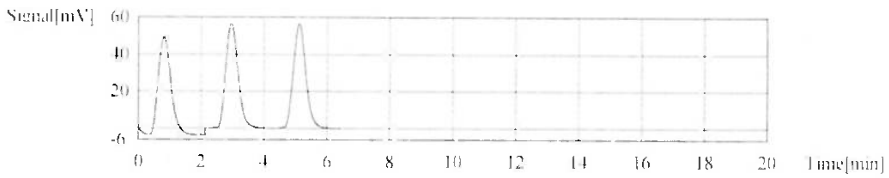
Chem
p25l015w2.tlx

1 Det

Anal NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	146.7	24.83mg/L	100uL		p250923w1 2025_09_23_13_11_27.cal	10/16/2025 2:50:06 AM
2	153.1	25.91mg/L	100uL		p250923w1 2025_09_23_13_11_27.cal	10/16/2025 2:52:32 AM
3	155.4	26.30mg/L	100uL		p250923w1 2025_09_23_13_11_27.cal	10/16/2025 2:54:57 AM

Acid Add	0.000%
Sparge Gas Flow	80mL/min
Sp. Time	600.0sec
Mean Area	151.7
SD Area	4.808
CV Area	2.97%
No Washes	1



Sample

Sample Name	CCVA
Sample ID	
Origin	TOCAQ.met
Status	Completed
Chk. Result	

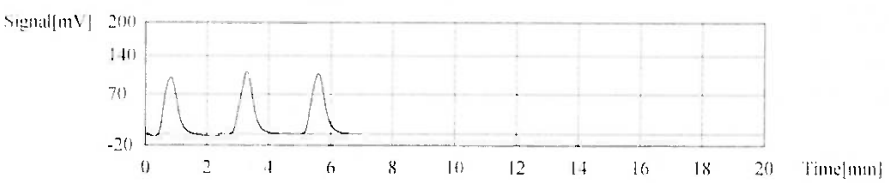
Type	Anal.	Result
Unknown	NPOC	NPOC 53.72mg/L

1 Det

Anal NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	309.4	52.63mg/L	100uL		p250923w1 2025_09_23_13_11_27.cal	10/16/2025 3:11:37 AM
2	325.0	54.63mg/L	100uL		p250923w1 2025_09_23_13_11_27.cal	10/16/2025 3:14:17 AM
3	319.8	54.23mg/L	100uL		p250923w1 2025_09_23_13_11_27.cal	10/16/2025 3:16:50 AM

Acid Add	0.000%
Sparge Gas Flow	80mL/min
Sp. Time	600.0sec
Mean Area	317.4
SD Area	7.111
CV Area	2.24%
No Washes	1



Sample

Sample Name	CCB
Sample ID	
Origin	TOCAQ.met
Status	Completed
Chk. Result	

Type	Anal.	Result
Unknown	NPOC	NPOC 0.06553mg/L

TOC-Control L Report

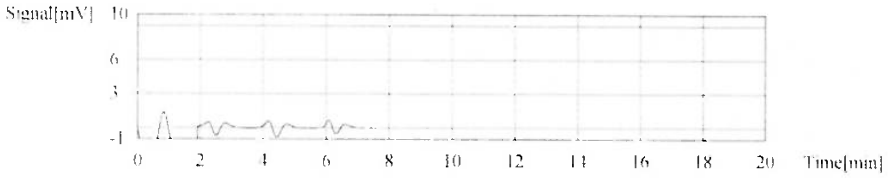
Chem
g251015w2.tlx

1 Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	12.08	2.045mg/L	100uL	E	g250923w1 2025_09_23_13_11_27.cal	10/16/2025 3:33:03 AM
2	0.2335	0.03952mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/16/2025 3:35:18 AM
3	0.2648	0.0448mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/16/2025 3:37:27 AM
4	0.6652	0.1122mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/16/2025 3:39:32 AM

Acid Add 0.000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 0.3872
SD Area 0.2396
CV Area 61.88%
No Washes 1



Sample

Sample Name JE20901-4
Sample ID
Origin TOCAQ.met
Status Completed
Chk. Result

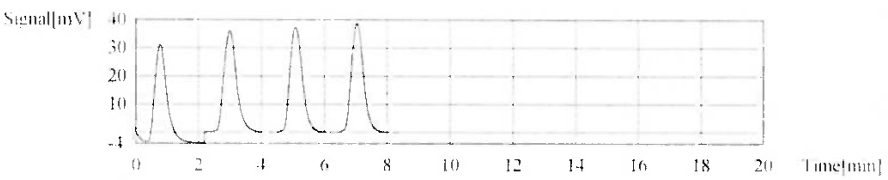
Type	Anal.	Result
Unknown	NPOC	NPOC 17.61mg/L

1 Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	89.64	15.17mg/L	100uL	E	g250923w1 2025_09_23_13_11_27.cal	10/16/2025 3:55:56 AM
2	101.0	17.08mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/16/2025 3:58:22 AM
3	101.7	17.21mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/16/2025 4:00:29 AM
4	100.1	17.02mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/16/2025 4:02:46 AM

Acid Add 0.000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 102.3
SD Area 1.626
CV Area 1.59%
No Washes 1



Sample

Sample Name JE20901-5
Sample ID
Origin TOCAQ.met
Status Completed
Chk. Result

TOC-Control L Report

Chem
u251015w2.tlx

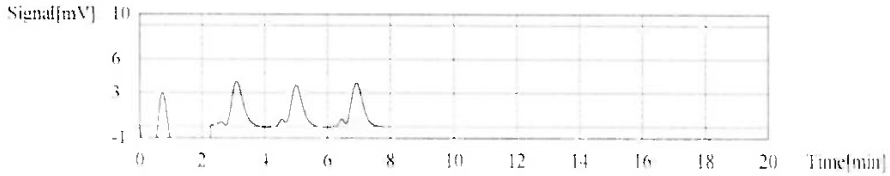
Type	Anal.	Result
Unknown	NPOC	NPOC 1.748mg/L

1 Det

Anal. NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	15.23	2.676mg/L	100uL	F	u250923w1 2025_09_23_13_11_27.cal	10/16/2025 4:19:15 AM
2	10.17	1.721mg/L	100uL		u250923w1 2025_09_23_13_11_27.cal	10/16/2025 4:21:32 AM
3	10.15	1.718mg/L	100uL		u250923w1 2025_09_23_13_11_27.cal	10/16/2025 4:23:36 AM
4	10.67	1.806mg/L	100uL		u250923w1 2025_09_23_13_11_27.cal	10/16/2025 4:25:42 AM

Acid Add	0.000%
Sparge Gas Flow	80mL/min
Sp. Time	600.0sec
Mean Area	10.33
SD Area	0.2916
CV Area	2.85%
No Washes	1



Sample

Sample Name	JE20825-1
Sample ID	
Origin	TOCAQ.met
Status	Completed
Chk. Result	

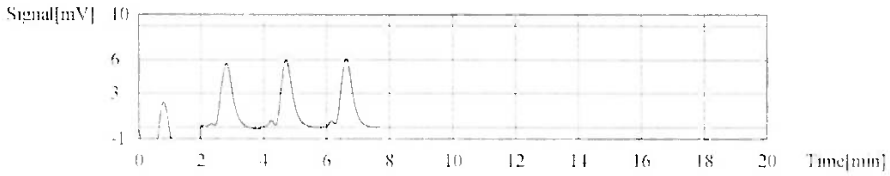
Type	Anal.	Result
Unknown	NPOC	NPOC 2.610mg/L

1 Det

Anal. NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	14.26	2.413mg/L	100uL	F	u250923w1 2025_09_23_13_11_27.cal	10/16/2025 4:41:53 AM
2	14.60	2.471mg/L	100uL		u250923w1 2025_09_23_13_11_27.cal	10/16/2025 4:44:11 AM
3	15.72	2.661mg/L	100uL		u250923w1 2025_09_23_13_11_27.cal	10/16/2025 4:46:21 AM
4	15.95	2.699mg/L	100uL		u250923w1 2025_09_23_13_11_27.cal	10/16/2025 4:48:26 AM

Acid Add	0.000%
Sparge Gas Flow	80mL/min
Sp. Time	600.0sec
Mean Area	15.42
SD Area	0.7232
CV Area	4.68%
No Washes	1



Sample

TOC-Control L Report

Chem
g25101sw2.tlx

Sample Name JE20825-2
Sample ID
Origin TOCAQ.met
Status Completed
Chk. Result

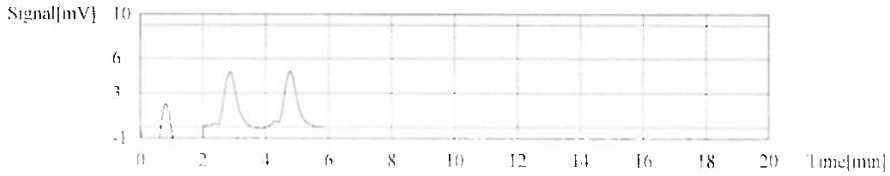
Type	Anal.	Result
Unknown	NPOC	NPOC 2.353mg/L

1. Det

Anal. NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	14.40	2.437mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/16/2025 5:04:40 AM
2	13.27	2.246mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/16/2025 5:06:59 AM
3	14.03	2.375mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/16/2025 5:09:08 AM

Acid Add. 0.000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 13.90
SD Area 0.5761
CV Area 4.14%
No Washes 1



Sample

Sample Name JE20825-3
Sample ID
Origin TOCAQ.met
Status Completed
Chk. Result

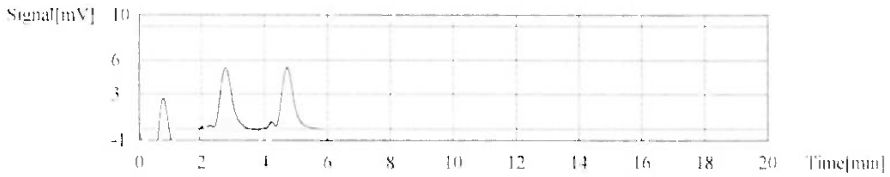
Type	Anal.	Result
Unknown	NPOC	NPOC 2.424mg/L

1. Det

Anal. NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	14.78	2.501mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/16/2025 5:25:22 AM
2	13.78	2.332mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/16/2025 5:27:41 AM
3	14.36	2.430mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/16/2025 5:29:54 AM

Acid Add. 0.000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 14.31
SD Area 0.8021
CV Area 5.61%
No Washes 1



Sample

TOC-Control L Report

Chem
g251015w2.tlx

Sample Name JE20825-5
Sample ID
Origin TOC AQ met
Status Completed
Chk. Result

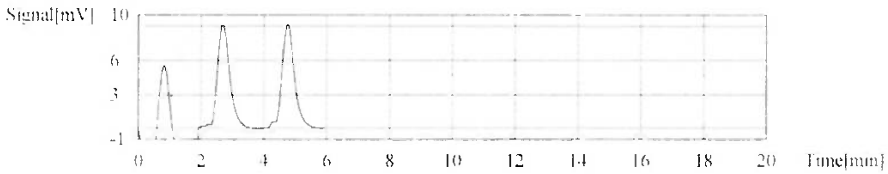
Type	Anal.	Result
Unknown	NPOC	NPOC 4.17mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	23.88	4.042mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/16/2025 5:46:07 AM
2	24.78	4.194mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/16/2025 5:48:33 AM
3	25.28	4.279mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/16/2025 5:50:43 AM

Acid Add. 0.080%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 24.65
SD Area 0.7095
CV Area 2.88%
No Washes 1



Sample

Sample Name JE20698-2
Sample ID
Origin TOC AQ met
Status Completed
Chk. Result

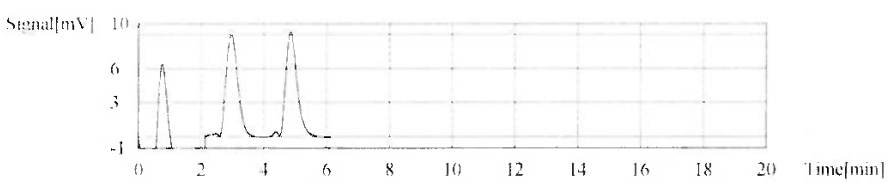
Type	Anal.	Result
Unknown	NPOC	NPOC 3.948mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	23.39	3.959mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/16/2025 6:07:09 AM
2	24.71	3.843mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/16/2025 6:09:27 AM
3	23.88	4.042mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/16/2025 6:11:44 AM

Acid Add 0.080%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 23.33
SD Area 0.5876
CV Area 2.52%
No Washes 1



Sample

TOC-Control L Report

Client:
g25101Sw3.tls

Sample Name: JE20698-3
Sample ID:
Origin: TOCAQ.met
Status: Completed
Chk. Result:

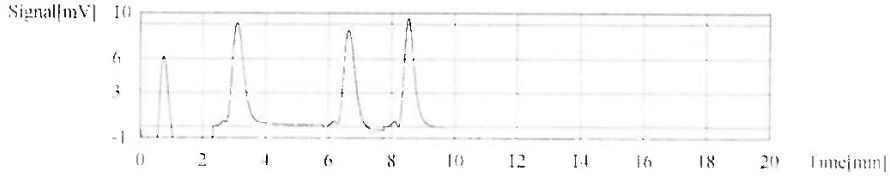
Type	Anal.	Result
Unknown	NPOC	NPOC 3.767mg/L

1 Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	22.17	3.752mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/16/2025 6:28:22 AM
2	24.61	4.170mg/L	100uL	E	g250923w1 2025_09_23_13_11_27.cal	10/16/2025 6:32:36 AM
3	22.41	3.793mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/16/2025 6:34:46 AM
4	22.19	3.756mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/16/2025 6:36:56 AM

Acid Add: 0.000%
Sparge Gas Flow: 80mL/min
Sp. Time: 600.0sec
Mean Area: 22.26
SD Area: 0.1332
CV Area: 0.60%
No Washes: 1



Sample

Sample Name: GP64785-MB1
Sample ID: [foc]
Origin: TOCAQ.met
Status: Completed
Chk. Result:

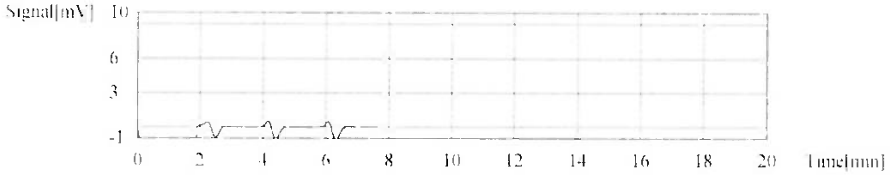
Type	Anal.	Result
Unknown	NPOC	NPOC 0.000mg/L

1 Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	2.225	0.3766mg/L	100uL	E	g250923w1 2025_09_23_13_11_27.cal	10/16/2025 6:53:02 AM
2	0.000	0.000mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/16/2025 6:55:16 AM
3	0.000	0.000mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/16/2025 6:57:27 AM
4	0.000	0.000mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/16/2025 6:59:26 AM

Acid Add: 0.000%
Sparge Gas Flow: 80mL/min
Sp. Time: 600.0sec
Mean Area: 0.000
SD Area: 0.000
CV Area: 0.00%
No Washes: 1



TOC-Control L Report

Client:
p251015w2.tlx

Sample

Sample Name: GP64785-B1
Sample ID:
Origin: TOCAQ.met
Status: Completed
Chk. Result:

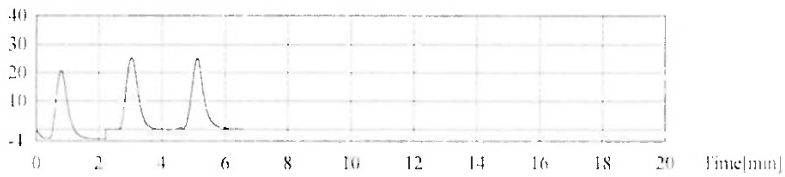
Type	Anal.	Result
Unknown	NPOC	NPOC 10.83mg/L

1 Det

Anal. NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	61.01	10.33mg/L	100uL		p250023w1 2025_09_23_13_11_27.cal	10/16/2025 7:15:52 AM
2	65.01	11.06mg/L	100uL		p250023w1 2025_09_23_13_11_27.cal	10/16/2025 7:18:19 AM
3	65.87	11.15mg/L	100uL		p250023w1 2025_09_23_13_11_27.cal	10/16/2025 7:20:51 AM

Acid Add: 0.000%
Sparge Gas Flow: 80mL/min
Sp. Time: 600.0sec
Mean Area: 63.96
SD Area: 2.591
CV Area: 4.05%
No Washes: 1



Sample

Sample Name: CCV
Sample ID:
Origin: TOCAQ.met
Status: Completed
Chk. Result:

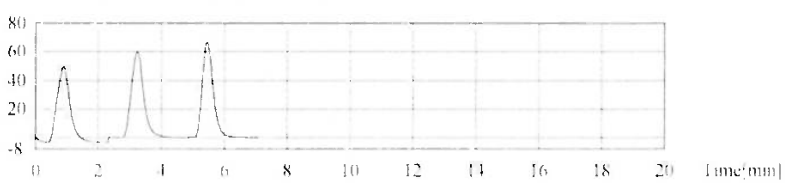
Type	Anal.	Result
Unknown	NPOC	NPOC 26.43mg/L

1 Det

Anal. NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	151.6	25.66mg/L	100uL		p250023w1 2025_09_23_13_11_27.cal	10/16/2025 7:37:29 AM
2	159.2	26.94mg/L	100uL		p250023w1 2025_09_23_13_11_27.cal	10/16/2025 7:40:11 AM
3	157.6	26.67mg/L	100uL		p250023w1 2025_09_23_13_11_27.cal	10/16/2025 7:42:53 AM

Acid Add: 0.000%
Sparge Gas Flow: 80mL/min
Sp. Time: 600.0sec
Mean Area: 156.1
SD Area: 4.007
CV Area: 2.57%
No Washes: 1



TOC-Control L Report

Chem
g251015w2.tlx

Sample

Sample Name CCB
Sample ID
Origin TOC AQ met
Status Completed
Chk. Result

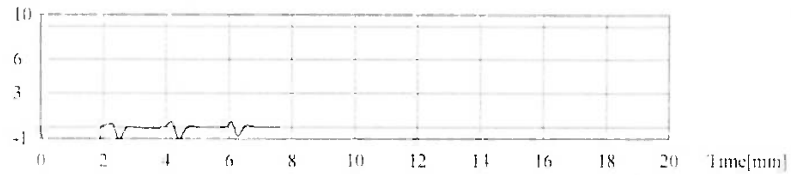
Type	Anal.	Result
Unknown	NPOC	NPOC 0.000mg/L

1 Det

Anal. NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	0.237	1.05mg/L	100uL	E	g250923w1 2025_09_23_13_11_27.cal	10/16/2025 7:59:05 AM
2	0.000	0.000mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/16/2025 8:01:22 AM
3	0.000	0.000mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/16/2025 8:03:30 AM
4	0.000	0.000mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/16/2025 8:05:35 AM

Acid Add. 0.000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 0.000
SD Area 0.000
CV Area 0.00%
No Washes 1



Sample

Sample Name JE20980-1
Sample ID
Origin TOC AQ met
Status Completed
Chk. Result

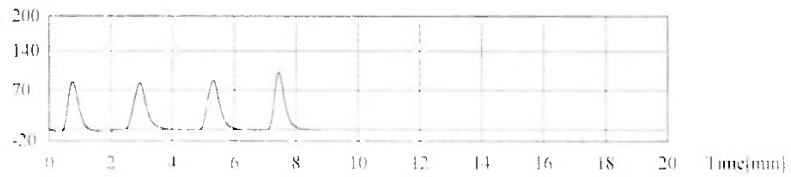
Type	Anal.	Result
Unknown	NPOC	NPOC 40.28mg/L

1 Det

Anal. NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	213.3	36.10mg/L	100uL	E	g250923w1 2025_09_23_13_11_27.cal	10/16/2025 8:21:51 AM
2	237.5	40.20mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/16/2025 8:24:39 AM
3	237.9	40.26mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/16/2025 8:27:06 AM
4	238.6	40.38mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/16/2025 8:29:23 AM

Acid Add 0.000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 238.0
SD Area 0.5568
CV Area 0.23%
No Washes 4



TOC-Control L Report

Chem
g251015w2.tlx

Sample

Sample Name: GP64785-S1
Sample ID: JE20989-1
Origin: TOCAQ met
Status: Completed
Chk. Result:

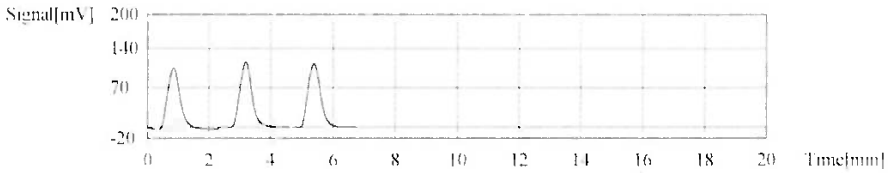
Type	Anal.	Result
Unknown	NPOC	NPOC 52.98mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	306.5	51.87mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/16/2025 8:45:54 AM
2	317.3	53.70mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/16/2025 8:48:27 AM
3	315.3	53.36mg/L	100uL		g250923w1 2025_09_23_13_11_27.ca.	10/16/2025 8:50:51 AM

Acid Add.: 0.000%
Sparge Gas Flow: 80mL/min
Sp. Time: 600.0sec
Mean Area: 313.0
SD Area: 5.746
CV Area: 1.84%
No Washes: 1



Sample

Sample Name: GP64785-MSD1
Sample ID: JE20989-1
Origin: TOCAQ met
Status: Completed
Chk. Result:

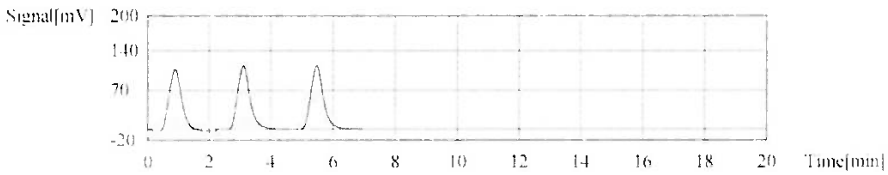
Type	Anal.	Result
Unknown	NPOC	NPOC 53.49mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	314.5	53.23mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/16/2025 9:07:23 AM
2	317.1	53.67mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/16/2025 9:10:08 AM
3	316.6	53.58mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/16/2025 9:12:38 AM

Acid Add: 0.000%
Sparge Gas Flow: 80mL/min
Sp. Time: 600.0sec
Mean Area: 316.1
SD Area: 1.580
CV Area: 0.50%
No Washes: 1



TOC-Control L Report

Chem
g25101 5w2.tlx

Sample

Sample Name: JE20989-2
Sample ID:
Origin: TOC AQ met
Status: Completed
Chk. Result:

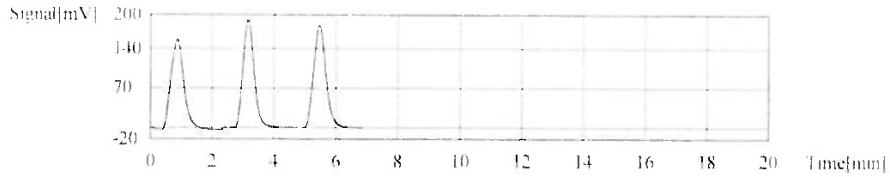
Type	Anal.	Result
Unknown	NPOC	NPOC 80.73mg/L

1: Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	3640	78.88mg/L	100uL		g250923w1 2025-09-23 13-11-27.cal	10/16/2025 9:29:17 AM
2	4741	80.24mg/L	100uL		g250923w1 2025-09-23 13-11-27.cal	10/16/2025 9:31:51 AM
3	4029	83.42mg/L	100uL		g250923w1 2025-09-23 13-11-27.cal	10/16/2025 9:54:21 AM

Acid Add: 0.000%
Sparge Gas Flow: 80mL/min
Sp. Time: 600.0sec
Mean Area: 4770
SD Area: 1467
CV Area: 30.7%
No Washes: 1



Sample

Sample Name: JE20989-3
Sample ID:
Origin: TOC AQ met
Status: Completed
Chk. Result:

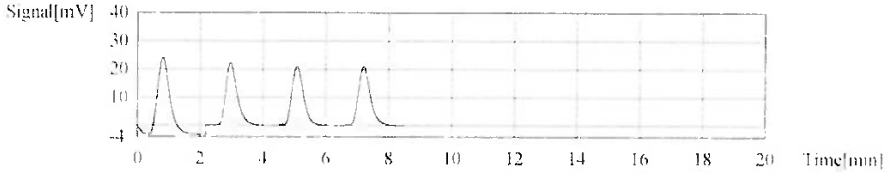
Type	Anal.	Result
Unknown	NPOC	NPOC 9.385mg/L

1: Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	74.08	12.54mg/L	100uL		g250923w1 2025-09-23 13-11-27.cal	10/16/2025 9:50:51 AM
2	55.31	9.361mg/L	100uL		g250923w1 2025-09-23 13-11-27.cal	10/16/2025 9:53:19 AM
3	54.00	9.292mg/L	100uL		g250923w1 2025-09-23 13-11-27.cal	10/16/2025 9:55:47 AM
4	56.18	9.508mg/L	100uL		g250923w1 2025-09-23 13-11-27.cal	10/16/2025 9:58:16 AM

Acid Add: 0.000%
Sparge Gas Flow: 80mL/min
Sp. Time: 600.0sec
Mean Area: 55.46
SD Area: 0.6536
CV Area: 1.18%
No Washes: 1



TOC-Control L Report

Chem
g251015w2.tlx

Sample

Sample Name: JE20989-4
Sample ID:
Origin: TOC/AQ met
Status: Completed
Chk. Result:

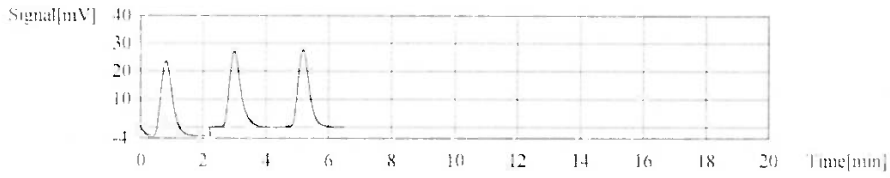
Type	Anal.	Result
Unknown	NPOC	NPOC 11.60mg/L

1 Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	68.03	11.48mg/L	100uL		g250923w1 2025-09-23 13-11-27.cal	10/16/2025 10:34:23 AM
2	68.76	11.52mg/L	100uL		g250923w1 2025-09-23 13-11-27.cal	10/16/2025 10:46:55 AM
3	69.88	11.78mg/L	100uL		g250923w1 2025-09-23 13-11-27.cal	10/16/2025 10:59:11 AM

Acid Add: 0.000%
Sparge Gas Flow: 80mL/min
Sp. Time: 600.0sec
Mean Area: 68.88
SD Area: 0.780
CV Area: 1.13%
No Washes: 3



Sample

Sample Name: JE20989-5
Sample ID: field blank
Origin: TOC/AQ met
Status: Completed
Chk. Result:

Type	Anal.	Result
Unknown	NPOC	NPOC 0.000mg/L

1 Det

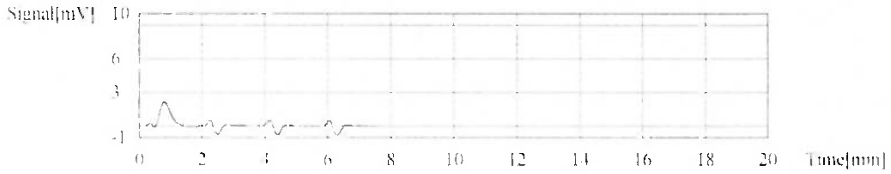
Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	5.327	0.061mg/L	100uL	E	g250923w1 2025-09-23 13-11-27.cal	10/16/2025 10:35:55 AM
2	0.000	0.000mg/L	100uL		g250923w1 2025-09-23 13-11-27.cal	10/16/2025 10:48:00 AM
3	0.000	0.000mg/L	100uL		g250923w1 2025-09-23 13-11-27.cal	10/16/2025 10:60:09 AM
4	0.000	0.000mg/L	100uL		g250923w1 2025-09-23 13-11-27.cal	10/16/2025 10:42:14 AM

TOC-Control L Report

Chem
g251015w2.tlk

Acid Add	0.000%
Sparge Gas Flow	80mL/min
Sp. Time	600.0sec
Mean Area	0.000
SD Area	0.000
CV Area	0.000%
No Washes	1



Sample

Sample Name	CCVA
Sample ID	
Origin	TOCAQ.met
Status	Completed
Chk. Result	

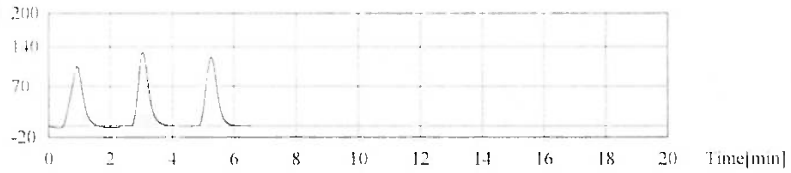
Type	Anal.	Result
Unknown	NPOC	NPOC 51.05mg/L

1: Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
3	303.3	51.33mg/L	100uL		p250923w1_2025_09_23_13_11_27.cal	10/16/2025 11:13:10 AM
5	302.9	51.26mg/L	100uL		p250923w1_2025_09_23_13_11_27.cal	10/16/2025 11:15:44 AM
7	309.3	52.35mg/L	100uL		p250923w1_2025_09_23_13_11_27.cal	10/16/2025 11:18:01 AM

Acid Add	0.000%
Sparge Gas Flow	80mL/min
Sp. Time	600.0sec
Mean Area	305.2
SD Area	3.585
CV Area	1.17%
No Washes	3



Sample

Sample Name	CCB
Sample ID	
Origin	TOCAQ.met
Status	Completed
Chk. Result	

Type	Anal.	Result
Unknown	NPOC	NPOC 0.06354mg/L

1: Det

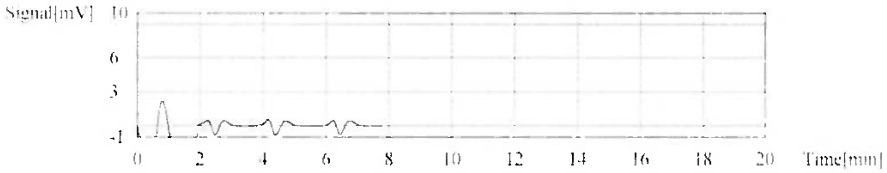
Anal.: NPOC

TOC-Control L Report

Chem
p251015w2.tlx

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	33.8[illegible]	2.261mg/L	100uL	E	p250923w1_2025_09_23_13_11_27.cal	10/16/2025 11:34:14 AM
2	0.2992	0.0586mg/L	100uL		p250923w1_2025_09_23_13_11_27.cal	10/16/2025 11:36:28 AM
3	0.3320	0.0891mg/L	100uL		p250923w1_2025_09_23_13_11_27.cal	10/16/2025 11:38:46 AM
4	0.4050	0.0833mg/L	100uL		p250923w1_2025_09_23_13_11_27.cal	10/16/2025 11:40:55 AM

Acid Add 0.000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 0.3754
SD Area 0.1039
CV Area 27.93%
No Washes 1



Sample

Sample Name: JE20852-8
Sample ID: [illegible]
Origin: TOCAQ.met
Status: Completed
Chk. Result:

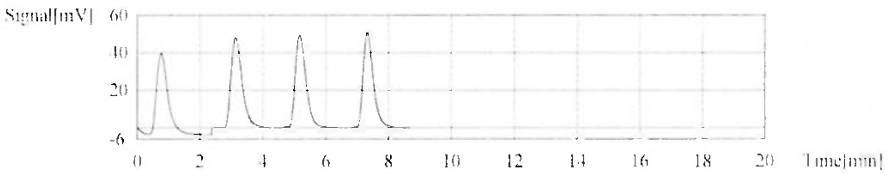
Type	Anal.	Result
Unknown	NPOC	NPOC 198.9mg/L

1 Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	106.4	180.1mg/L	100uL	E	p250923w1_2025_09_23_13_11_27.cal	10/16/2025 11:57:31 AM
2	117.9	198.0mg/L	100uL		p250923w1_2025_09_23_13_11_27.cal	10/16/2025 11:59:55 AM
3	115.4	193.3mg/L	100uL		p250923w1_2025_09_23_13_11_27.cal	10/16/2025 12:02:21 PM
4	114.9	194.5mg/L	100uL		p250923w1_2025_09_23_13_11_27.cal	10/16/2025 12:04:40 PM

Acid Add 0.000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 115.8
SD Area 1.097
CV Area 0.95%
No Washes 1



Sample

Sample Name: JE20989-1
Sample ID:
Origin: TOCAQ.met
Status: Completed
Chk. Result:

Type	Anal.	Result
Unknown	NPOC	NPOC 39.07mg/L

1 Det

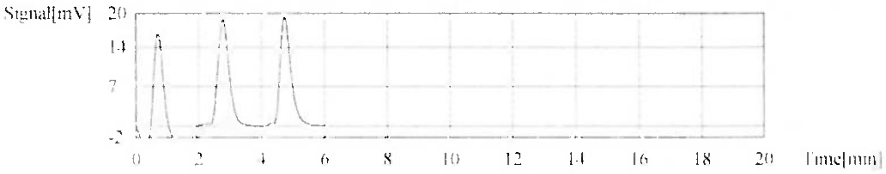
TOC-Control L Report

Chem
p251015w23lx

Anal : NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	44.74	37.86mg/L	100ul		p250923w1 2025_09_23_13_11_27.cal	10/16/2025 12:20:48 PM
2	47.09	39.85mg/L	100ul		p250923w1 2025_09_23_13_11_27.cal	10/16/2025 12:23:11 PM
3	46.67	39.49mg/L	100ul		p250923w1 2025_09_23_13_11_27.cal	10/16/2025 12:25:26 PM

Acid Add 0.0000%
Sparge Gas Flow 80mL/min
So. Time 600.0sec
Mean Area 46.17
SD Area 1.253
CV Area 2.713%
No Washes 1



Sample

Sample Name GP64788-S1
Sample ID JE20989-1
Origin TOC/AQ.met
Status Completed
Chk. Result

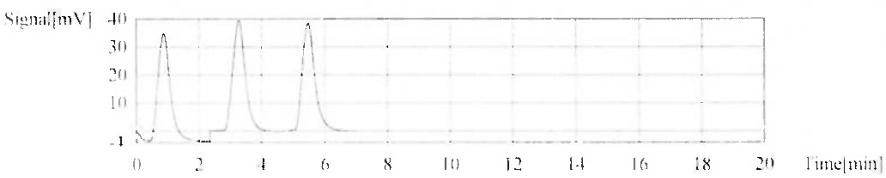
Type	Anal	Result
Unknown	NPOC	NPOC:90.43mg/L

1 Det

Anal : NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	103.7	87.75mg/L	100ul		p250923w1 2025_09_23_13_11_27.cal	10/16/2025 12:42:06 PM
2	108.9	92.16mg/L	100ul		p250923w1 2025_09_23_13_11_27.cal	10/16/2025 12:44:43 PM
3	108.0	91.36mg/L	100ul		p250923w1 2025_09_23_13_11_27.cal	10/16/2025 12:47:18 PM

Acid Add 0.0000%
Sparge Gas Flow 80mL/min
So. Time 600.0sec
Mean Area 106.9
SD Area 2.770
CV Area 2.603%
No Washes 1



Sample

Sample Name GP64788MSD1
Sample ID: JE20989-1
Origin TOC/AQ.met
Status Completed
Chk. Result

Type	Anal	Result
Unknown	NPOC	NPOC:88.80mg/L

1 Det

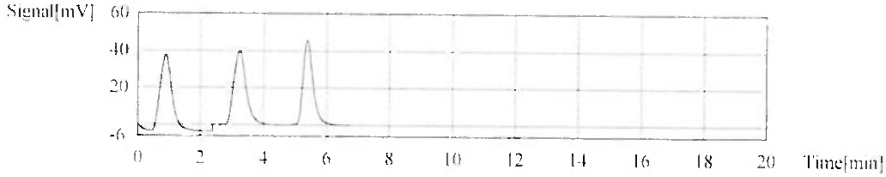
TOC-Control L Report

Chem
g250915w2.tlx

Anal: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	100.2	80.87mg/L	100uL		g250923w1 2025-09-23 13-11-27.cal	10/16/2025 1:03:50 PM
2	108.1	87.48mg/L	100uL		g250923w1 2025-09-23 13-11-27.cal	10/16/2025 1:06:39 PM
3	100.5	85.05mg/L	100uL		g250923w1 2025-09-23 13-11-27.cal	10/16/2025 1:08:53 PM

Acid Add: 0.000%
Sparge Gas Flow: 80mL/min
Sp. Time: 600.0sec
Mean Area: 104.9
SD Area: 3.955
CV Area: 3.77%
No Washes: 1



Sample

Sample Name: JE20989-2
Sample ID:
Origin: TOCAQ.met
Status: Completed
Chk. Result:

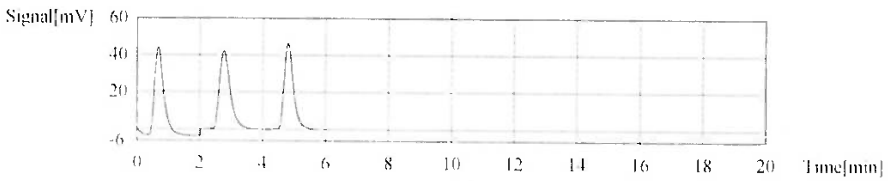
Type	Anal.	Result
Unknown	NPOC	NPOC 81.71mg/L

1 Det

Anal: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	95.32	80.69mg/L	100uL		g250923w1 2025-09-23 13-11-27.cal	10/16/2025 1:25:13 PM
2	99.40	84.12mg/L	100uL		g250923w1 2025-09-23 13-11-27.cal	10/16/2025 1:27:38 PM
3	94.94	80.34mg/L	100uL		g250923w1 2025-09-23 13-11-27.cal	10/16/2025 1:29:52 PM

Acid Add: 0.000%
Sparge Gas Flow: 80mL/min
Sp. Time: 600.0sec
Mean Area: 96.55
SD Area: 2.473
CV Area: 2.56%
No Washes: 1



Sample

Sample Name: GP641785-MB2
Sample ID: [toc][return]
Origin: TOCAQ.met
Status: Completed
Chk. Result:

Type	Anal.	Result
Unknown	NPOC	NPOC 0.2772mg/L

1 Det

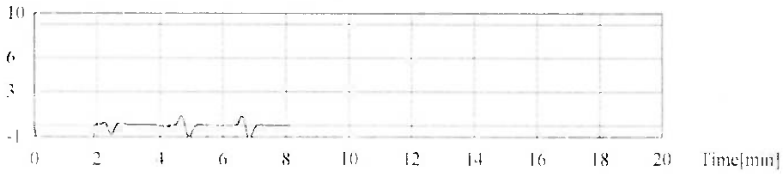
TOC-Control L Report

Chem
p251015w2.tlx

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	5.113	0.8654mg/L	100uL	E	p250923w1_2025_09_23_13_11_27.cal	10/16/2025 1:46:05 PM
2	4.914	0.831 mg/L	100uL		p250923w1_2025_09_23_13_11_27.cal	10/16/2025 1:48:54 PM
3	0.000	0.000mg/L	100uL		p250923w1_2025_09_23_13_11_27.cal	10/16/2025 1:51:02 PM
4	0.000	0.000mg/L	100uL		p250923w1_2025_09_23_13_11_27.cal	10/16/2025 1:53:07 PM

Acid Add 0.0009%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 1.638
SD Area 2.837
CV Area 173.21%
No Washes 1



Sample

Sample Name GN74785-B3
Sample ID
Origin TOCAQ.met
Status Completed
Chk. Result

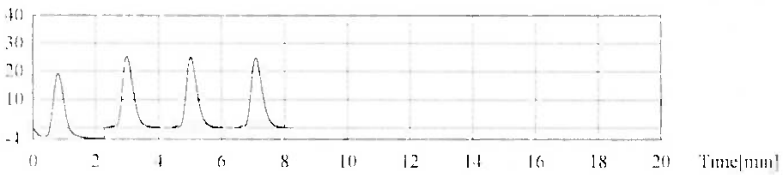
Type	Anal.	Result
Unknown	NPOC	NPOC 10.4[mg/L]

1 Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	53.25	9.012mg/L	100uL	E	p250923w1_2025_09_23_13_11_27.cal	10/16/2025 2:09:37 PM
2	61.02	10.33mg/L	100uL		p250923w1_2025_09_23_13_11_27.cal	10/16/2025 2:11:53 PM
3	61.07	10.34mg/L	100uL		p250923w1_2025_09_23_13_11_27.cal	10/16/2025 2:14:07 PM
4	62.40	10.58mg/L	100uL		p250923w1_2025_09_23_13_11_27.cal	10/16/2025 2:16:18 PM

Acid Add 0.0009%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 61.53
SD Area 0.8546
CV Area 1.36%
No Washes 1



Sample

Sample Name JB20981-3
Sample ID
Origin TOCAQ.met
Status Completed
Chk. Result

Type	Anal.	Result
Unknown	NPOC	NPOC 105.32mg/L

TOC-Control L Report

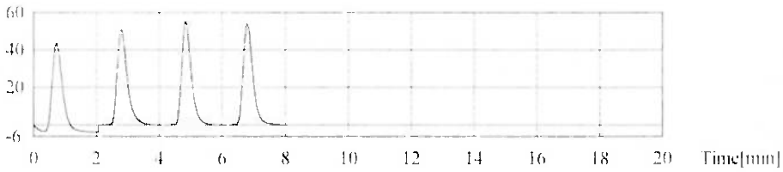
Chem
g251015w2.tlx

1 Det

Anal: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	103.7	88.06mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/16/2025 2:32:33 PM
2	93.2	98.79mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/16/2025 2:35:02 PM
3	112.5	90.43mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/16/2025 2:37:12 PM
4	118.4	97.66mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/16/2025 2:39:21 PM

Acid Add	0.000%
Sparge Gas Flow	80mL/min
Sp. Time	600.0sec
Mean Area	112.7
SD Area	8.618
CV Area	7.98%
No Washes	1



Sample

Sample Name	CCV
Sample ID	
Origin:	TOC/AQ met
Status	Completed
Chk. Result	

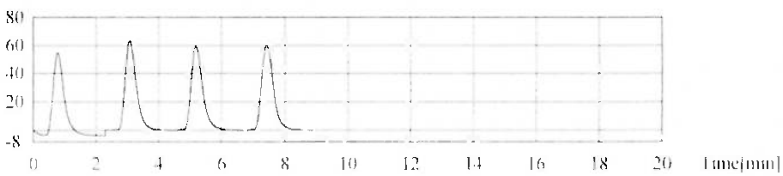
Type	Anal.	Result
Unknown	NPOC	NPOC 25.45mg/L

1 Det

Anal: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	138.7	23.47mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/16/2025 3:26:00 PM
2	154.3	26.11mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/16/2025 3:28:28 PM
3	152.3	25.78mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/16/2025 3:30:58 PM
4	156.3	26.45mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/16/2025 3:33:23 PM

Acid Add	0.000%
Sparge Gas Flow	80mL/min
Sp. Time	600.0sec
Mean Area	150.4
SD Area	7.969
CV Area	5.30%
No Washes	1



Sample

Sample Name	CCB
Sample ID	
Origin	TOC/AQ met
Status	Completed
Chk. Result	

TOC-Control L Report

Chem
g251015w2.tlx

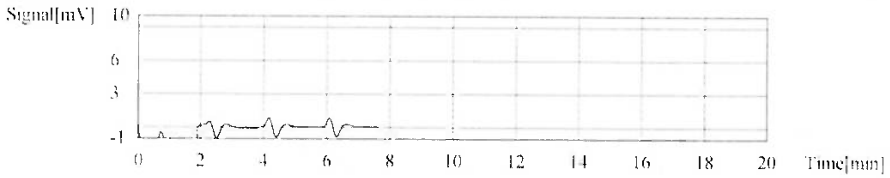
Type	Anal.	Result
Unknown	NPOC	NPOC 0.02157mg/L

1 Det

Anal: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	0.570	1.122mg/L	100uL	E	g250923w1 2025_09_23_13_11_27.cal	10/16/2025 3:49:30 PM
2	0.000	0.000mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/16/2025 3:51:18 PM
3	0.08280	0.01401mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/16/2025 3:53:55 PM
4	0.2995	0.05069mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/16/2025 3:55:50 PM

Acid Add 0.000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 0.1274
SD Area 0.1547
CV Area 121.36%
No Washes 1



Sample

Sample Name SPARGERCHK
Sample ID
Origin TOC-AQ met
Status Completed
Chk. Result

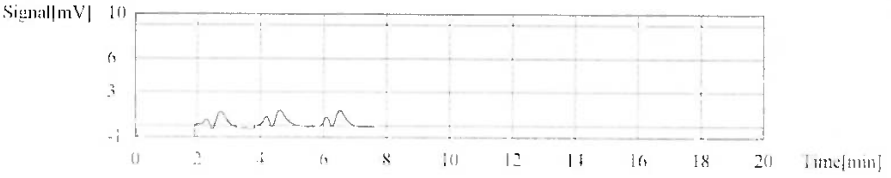
Type	Anal.	Result
Unknown	NPOC	NPOC 0.5622mg/L

1 Det

Anal: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	3.361	0.5688mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/16/2025 4:34:46 PM
2	2.772	0.4692mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/16/2025 4:37:05 PM
3	4.022	0.6807mg/L	100uL	E	g250923w1 2025_09_23_13_11_27.cal	10/16/2025 4:39:14 PM
4	3.832	0.6486mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/16/2025 4:41:19 PM

Acid Add 0.000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 3.322
SD Area 0.831
CV Area 25.00%
No Washes 1



LABORATORY REVIEW SIGNATURE FORM
(To be stored with the raw data)

File ID: F25102001.TXT Date Analyzed: 10/15/25 Methods: EPA 300/SW846 9056A
Analyst: MS Run ID: GN75008

The following analyst(s) have reviewd this run and attest that, to the best of their knowledge, this documentation is complete and correct:

Analyst: SS Date 10/24/25

Analyst: _____ Date _____

Analyst: _____ Date _____

Analyst: _____ Date _____

Analyst: _____ Date _____

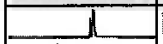
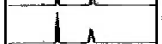
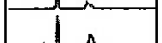
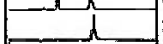
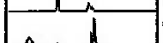
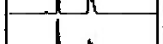
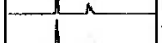
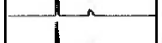
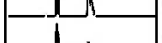
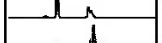
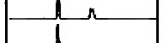
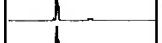
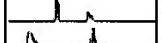
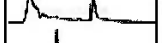
Analyst: _____ Date _____

Analyst: _____ Date _____

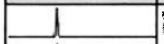
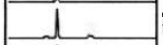
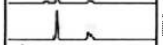
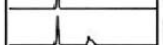
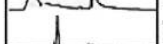
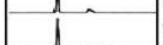
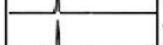
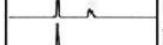
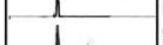
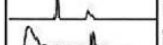
The following supervisor or their designee has reviewed this run and attests that, to the best of their knowledge, this documentation is complete and correct:

Supervisor (or designee): _____ Date _____

Sequence: F25102001
Last Update Operator: Chemistry

CD	Name	Type	Position	Dilution	Comment	Level	Volume	Status	Inject Time	Instrument Method
	STDA 3	Calibration Standard	44	1.0000		1	5000	Finished	10/15/2025 11:12:26 AM	7 anion_multiple injectio
	STDC	Calibration Standard	45	1.0000		2	5000	Finished	10/15/2025 11:25:20 AM	7 anion_multiple injectio
	STDD	Calibration Standard	46	1.0000		3	5000	Finished	10/15/2025 11:38:16 AM	7 anion_multiple injectio
	STDE	Calibration Standard	47	1.0000		4	5000	Finished	10/15/2025 11:51:12 AM	7 anion_multiple injectio
	STDF	Calibration Standard	48	1.0000		5	5000	Finished	10/15/2025 12:04:08 PM	7 anion_multiple injectio
	STDG	Calibration Standard	49	1.0000		6	5000	Finished	10/15/2025 12:17:03 PM	7 anion_multiple injectio
	ICV	Unknown	50	1.0000			5000	Finished	10/15/2025 12:29:59 PM	7 anion_multiple injectio
	washconf	Unknown	1	1.0000			5000	Finished	10/20/2025 12:42:21 PM	7 anion_multiple injectio
	washconf	Unknown	2	1.0000			5000	Finished	10/20/2025 12:54:48 PM	7 anion_multiple injectio
	washconf	Unknown	3	1.0000			5000	Finished	10/20/2025 1:07:44 PM	7 anion_multiple injectio
	CCV	Unknown	4	1.0000			5000	Finished	10/20/2025 1:20:39 PM	7 anion_multiple injectio
	CCB	Unknown	5	1.0000			5000	Finished	10/20/2025 1:33:35 PM	7 anion_multiple injectio
	JE21190-2	Unknown	6	4.0000			5000	Finished	10/20/2025 7:28:47 PM	7 anion_multiple injectio
	JE21190-3	Unknown	7	5.0000			5000	Finished	10/20/2025 7:41:12 PM	7 anion_multiple injectio
	JE21190-4	Unknown	8	6.0000			5000	Finished	10/20/2025 7:54:07 PM	7 anion_multiple injectio
	JE21190-5	Unknown	9	3.0000			5000	Finished	10/20/2025 8:07:04 PM	7 anion_multiple injectio
	JE21190-7	Unknown	10	10.0000			5000	Finished	10/20/2025 8:19:59 PM	7 anion_multiple injectio
	JE21190-8	Unknown	11	10.0000			5000	Finished	10/20/2025 8:32:54 PM	7 anion_multiple injectio
	GP64893-MB1	Unknown	12	1.0000			5000	Finished	10/20/2025 8:45:49 PM	7 anion_multiple injectio
	GP64893-B1	Unknown	13	1.0000			5000	Finished	10/20/2025 8:58:44 PM	7 anion_multiple injectio
	GP64893-S1	Unknown	14	1.0000			5000	Finished	10/20/2025 9:11:40 PM	7 anion_multiple injectio
	GP64893-MSD1	Unknown	15	1.0000			5000	Finished	10/20/2025 9:24:35 PM	7 anion_multiple injectio
	CCV	Unknown	16	1.0000			5000	Finished	10/20/2025 9:37:30 PM	7 anion_multiple injectio
	CCB	Unknown	17	1.0000			5000	Finished	10/20/2025 9:50:25 PM	7 anion_multiple injectio
	JE20825-1	Unknown	18	1.0000			5000	Finished	10/20/2025 10:03:21 PM	7 anion_multiple injectio
	JE21351-3	Unknown	19	1.0000			5000	Finished	10/20/2025 10:16:16 PM	7 anion_multiple injectio
	JE21351-4	Unknown	20	1.0000			5000	Finished	10/20/2025 10:29:12 PM	7 anion_multiple injectio

Sequence: F25102001
Last Update Operator: Chemistry

CD	Name	Type	Position	Dilution	Comment	Level	Volume	Status	Inject Time	Instrument Method
	JE21351-5	Unknown	21	1.0000			5000	Finished	10/20/2025 10:42:07 PM	7 anion_multiple injectio
	JE21291-1	Unknown	22	1.0000			5000	Finished	10/20/2025 10:55:02 PM	7 anion_multiple injectio
	JE21291-2	Unknown	23	5.0000			5000	Finished	10/20/2025 11:07:58 PM	7 anion_multiple injectio
	JE21291-3	Unknown	24	1.0000			5000	Finished	10/20/2025 11:20:54 PM	7 anion_multiple injectio
	JE21351-6	Unknown	25	1.0000			5000	Finished	10/20/2025 11:33:50 PM	7 anion_multiple injectio
	JE21351-7	Unknown	26	1.0000			5000	Finished	10/20/2025 11:46:46 PM	7 anion_multiple injectio
	JE21351-8	Unknown	27	1.0000			5000	Finished	10/20/2025 11:59:41 PM	7 anion_multiple injectio
	CCV	Unknown	28	1.0000			5000	Finished	10/21/2025 12:12:37 AM	7 anion_multiple injectio
	CCB	Unknown	29	1.0000			5000	Finished	10/21/2025 12:25:32 AM	7 anion_multiple injectio
	JE21351-9	Unknown	30	1.0000			5000	Finished	10/21/2025 12:38:28 AM	7 anion_multiple injectio
	JE21351-10	Unknown	31	1.0000			5000	Finished	10/21/2025 12:51:24 AM	7 anion_multiple injectio
	JE21351-11	Unknown	32	1.0000			5000	Finished	10/21/2025 1:04:18 AM	7 anion_multiple injectio
	JE21351-12	Unknown	33	1.0000			5000	Finished	10/21/2025 1:17:14 AM	7 anion_multiple injectio
	JE21351-13	Unknown	34	1.0000			5000	Finished	10/21/2025 1:30:09 AM	7 anion_multiple injectio
	JE21351-14	Unknown	35	1.0000			5000	Finished	10/21/2025 1:43:01 AM	7 anion_multiple injectio
	JE20825-3	Unknown	36	1.0000			5000	Finished	10/21/2025 1:55:52 AM	7 anion_multiple injectio
	JE20825-5	Unknown	37	1.0000			5000	Finished	10/21/2025 2:08:47 AM	7 anion_multiple injectio
	JE21034-1	Unknown	38	1.0000			5000	Finished	10/21/2025 2:21:43 AM	7 anion_multiple injectio
	JE21034-6	Unknown	39	1.0000			5000	Finished	10/21/2025 1:23:43 PM	7 anion_multiple injectio
	CCV	Unknown	40	1.0000			5000	Finished	10/21/2025 1:36:35 PM	7 anion_multiple injectio
	CCB	Unknown	41	1.0000			5000	Finished	10/21/2025 1:52:45 PM	7 anion_multiple injectio

SGS

Anions Standard Preparation Log

Class A pipet used :

Autopipet used : 59

Date 10/20/2025

GN Number GN75008

Intermediate Standard Description	Stock Standard used for preparation	Stock concentration	Anion	Stock volume or weight used with units	Diluent	Final Volume	Final Conc. of Intermediate (mg/l)	Expiration Date	Analyst	Date
GNE9-79634-IC	SPEC S250611030	4000ppm	CHL/SO4	2.5 ml	DI	100 mL	100ppm	11/13/2025	SS	10/13/2025
GNE9-79635-IC	SPEC S250611031	100ppm	F	20ml	DI	100 mL	20ppm	11/13/2025	SS	10/13/2025
GNE9-79636-IC	SPEC S250611029	100ppm	BRO	20ml	DI	100 mL	20ppm	11/13/2025	SS	10/13/2025
ICV GNE9-79637-IC	SPEC S250129034	200 ppm	CHL/SO4	50 ml	DI	100 mL	100 ppm	11/13/2025	SS	10/13/2025
	SPEC S250611037	100 ppm	F/BRO	3 ml	DI		3 ppm			

Standard Description	Intermediate or Stock used to prepare standard	Intermediate or Stock concentration	Anion	Intermediate or Stock volume used in ml	Diluent	Final Volume	Final Conc. of Standard (mg/l)	Expiration Date	Analyst	Date
STD C GNE9-79638-IC	GNE9-79634-IC	100ppm	CHL/SO4	2.0ml	DI	100 mL	2ppm	11/13/2025	SS	10/13/2025
	SPEC S250611029	100ppm	BRO	0.5ml			0.5ppm			
	GNE9-79635-IC	20ppm	F	1.0ml			0.2ppm			
STD D GNE9-79639-IC	GNE9-79634-IC	100ppm	CHL/SO4	10ml	DI	100 mL	10ppm	11/13/2025	SS	10/13/2025
	SPEC S250611029	100ppm	BRO	1ml			1ppm			
	GNE9-79635-IC	20ppm	F	2ml			0.4ppm			
STD E GNE9-79640-IC	GNE9-79634-IC	100ppm	CHL/SO4	50ml	DI	100 mL	50ppm	11/13/2025	SS	10/13/2025
	SPEC S250611029	100ppm	BRO	2ml			2ppm			
	GNE9-79635-IC	20ppm	F	5ml			1ppm			
STD F GNE9-79641-IC	SPEC S250611030	4000ppm	CHL/SO4	10ml	DI	200 mL	200ppm	11/13/2025	SS	10/13/2025
	SPEC S250611029	100ppm	BRO	6ml			3ppm			
	GNE9-79635-IC	20ppm	F	30ml			3ppm			
STD G GNE9-79642-IC	SPEC S250611030	4000ppm	CHL/SO4	10ml	DI	100 mL	400ppm	11/13/2025	SS	10/13/2025
	SPEC S250611029	100ppm	BRO	5ml			5ppm			
	GNE9-79635-IC	20ppm	F	30ml			6ppm			
CCV GNE9-79643-IC	SPEC S250611030	4000ppm	CHL/SO4	10ml	DI	200 mL	200ppm	11/13/2025	SS	10/13/2025
	SPEC S250611029	100ppm	BRO	6ml			3ppm			
	SPEC S250611031	100ppm	F	6ml			3ppm			

* If Class A glass pipets are used, enter an A. For balances or autopipets, then enter the appropriate SGS ID number.

NO2/NO3/P4 included in curve but not reported

Form: GN318-01

Rev Date: 6/23/2020

SGS

Reagent Information Log - IONC IC F - Water /Soil
GN Batch ID#: GN75008

Reagent	Reagent # or Man./Lot	Exp. Date
Standard Stocks (for Calibration Curve) (4000 PPM CHL/SC	SCP S250611030	7/31/2026
Standard Stocks (for Calibration Curve) (100 PPM BRO)	SCP S250611029	7/31/2026
Standard Stocks (for Calibration Curve) (100 PPM F)	SCP S250611031	7/31/2026
ICV MIX I (200 PPM CHL/SO4)	SCP S250129034	2/28/2026
ICV MIX II (100 PPM F/BRO)	SCP S250611037	7/31/2026
ICV	GNE9-79637-IC	11/13/2025
Eluent	250892029313	8/31/2027
CCV	GNE9-79643-IC	11/13/2025
Spiking Solution	SCP S250611032	7/31/2026
Filter lot numbers	LAB S&S 140320014	NA

Form : GN087A-76
Rev. Date: 4/7/09

SGS

Analyst: SS

Product: ANIONS

Pipette ID: 59

Prep Date: 10/20/2025

Balance ID:

Batch ID: GN75008

Sample Prep Log

Sample ID	Initial Sample Amount	Final Volume
GP64893-B1	0.5 ML OF SPIKE MIX TO 50 ML DIH20	50 ML DI H2O
GP64893-S1	0.5 ML OF SPIKE MIX TO 50 ML JE20825-1	50 ML JE20825-1
GP64893-MSD1	0.5 ML OF SPIKE MIX TO 50 ML JE20825-1	50 ML JE20825-1

Reviewer:

Date:

Form: GN166-04
Revised: 10/27/16

SGS

Analyst _____ Product _____ Autopipette # _____

Date _____ Batch ID _____ Class A Vol. Flask _____

Sample Dilution Prep Log

Sample ID	Dilution	Initial Volume	Final Volume	Comments
JE21190-2	1:4	5ml	20ml	H_2O DI.
-3	1:5	5ml	25ml.	
-4.	1:6.	5ml	30ml	
-5.	1:3.	5ml	15ml	
-7	1:10	2ml	20ml	
-8	1:10	2ml	20 ml	

QC Reviewer: _____ Date: _____

Form: GN165-01
Rev. Date: 2/25/03

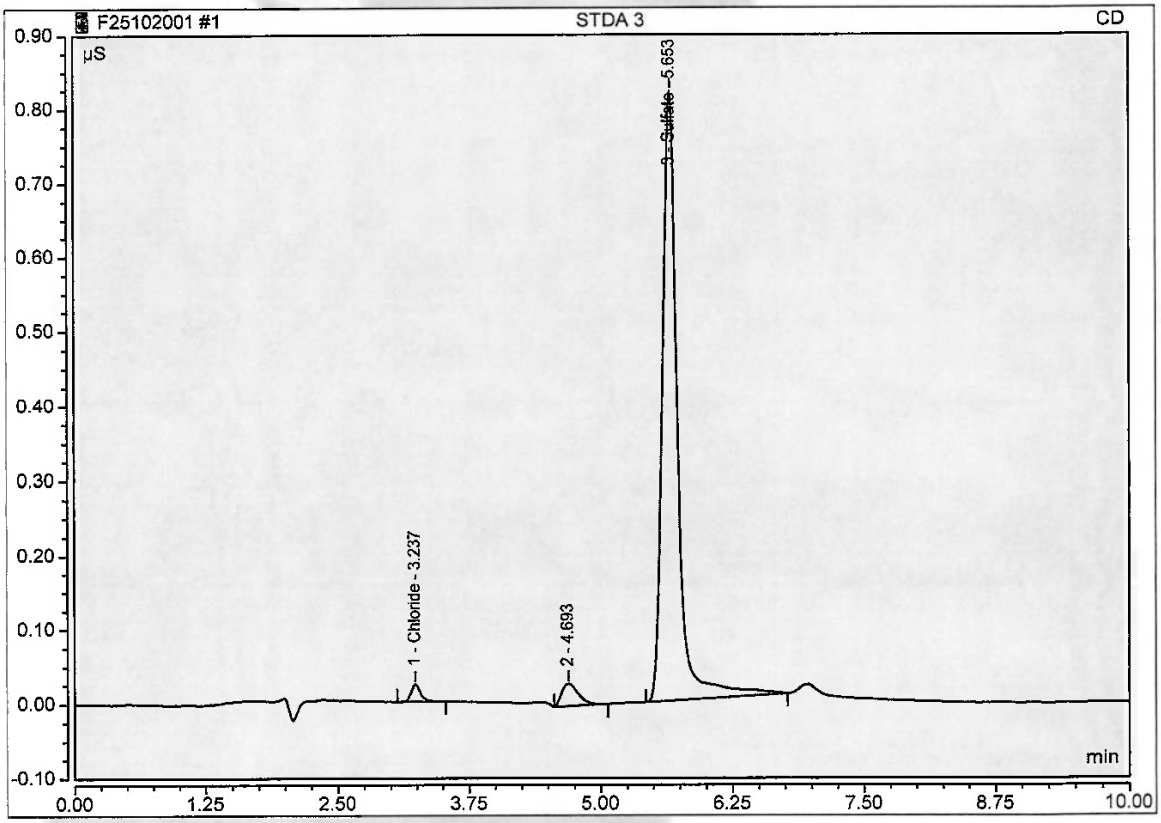
176 17

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**STDA 3**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Calibration Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**15-Oct-2025 / 11:12**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	3.24	Chloride	BMB	0.002	0.023	0.2747
3	5.65	Sulfate	BMB	0.135	0.819	0.7926
TOTAL:				0.14	0.84	1.07



Anion/Integration

Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

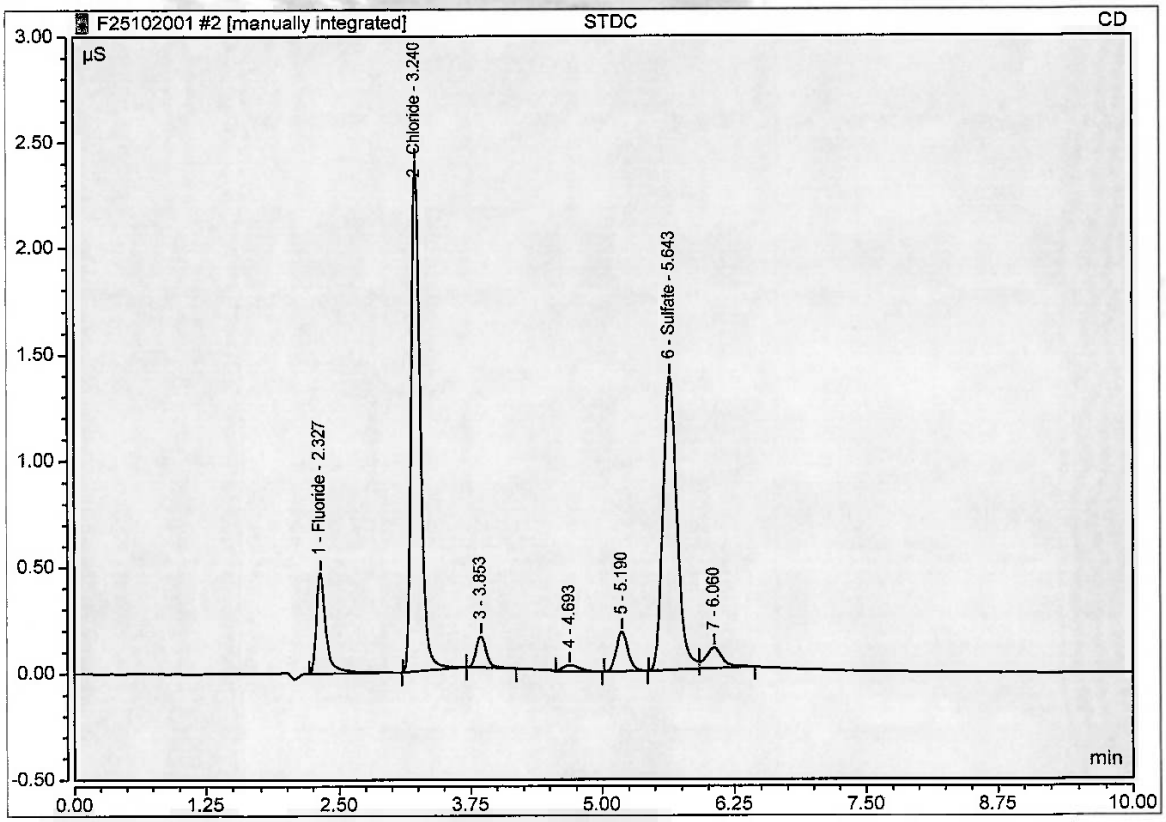
Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**STDC**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Calibration Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**15-Oct-2025 / 11:25**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.33	**Fluoride**	BMB	0.051	0.472	0.2140
2	3.24	**Chloride**	BMb	0.239	2.399	1.9339
6	5.64	**Sulfate**	BM *	0.209	1.377	1.4913
		TOTAL:		0.50	4.25	3.64

RD 1
-3.3%
-25.4%



Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

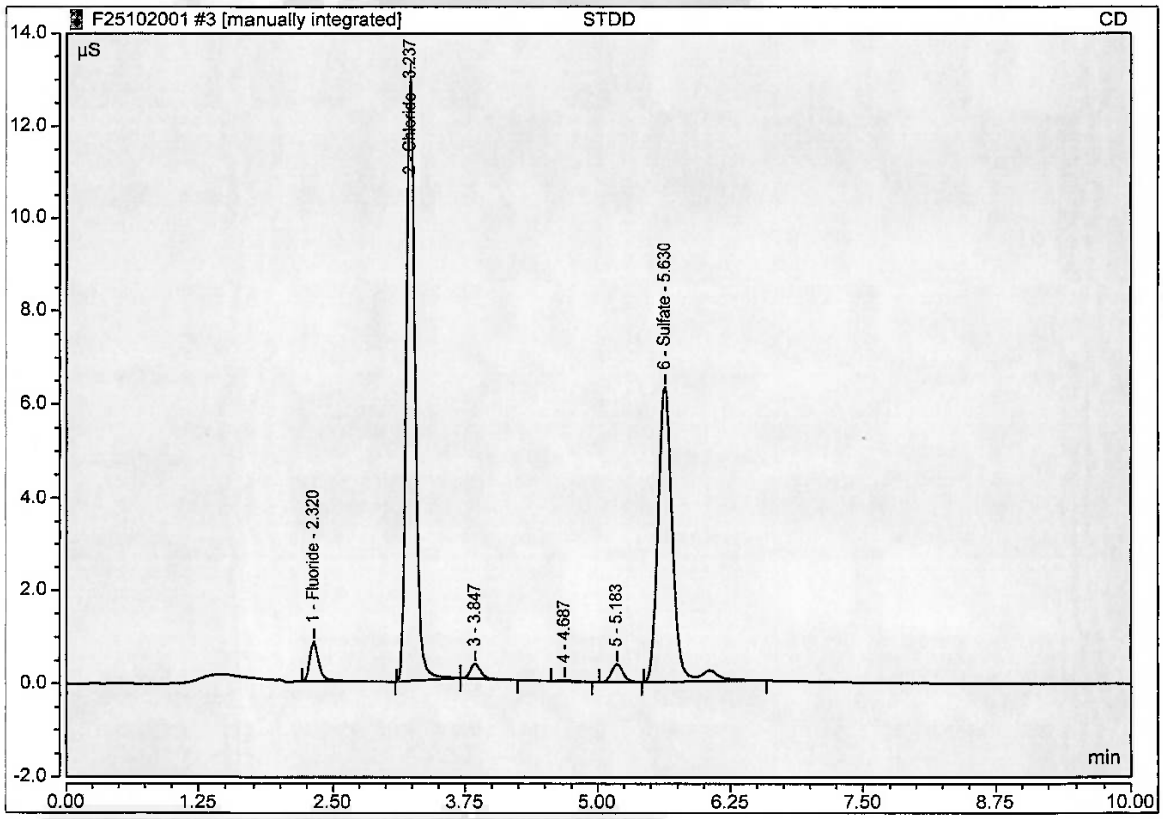
17.6 17

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**STDD**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Calibration Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**15-Oct-2025 / 11:38**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.32	**Fluoride**	BMB	0.085	0.845	0.3706
2	3.24	**Chloride**	BMb	1.284	13.015	9.2747
6	5.63	**Sulfate**	BMB*	1.003	6.316	9.0360
		TOTAL:		2.37	20.18	18.68



Anion/Integration

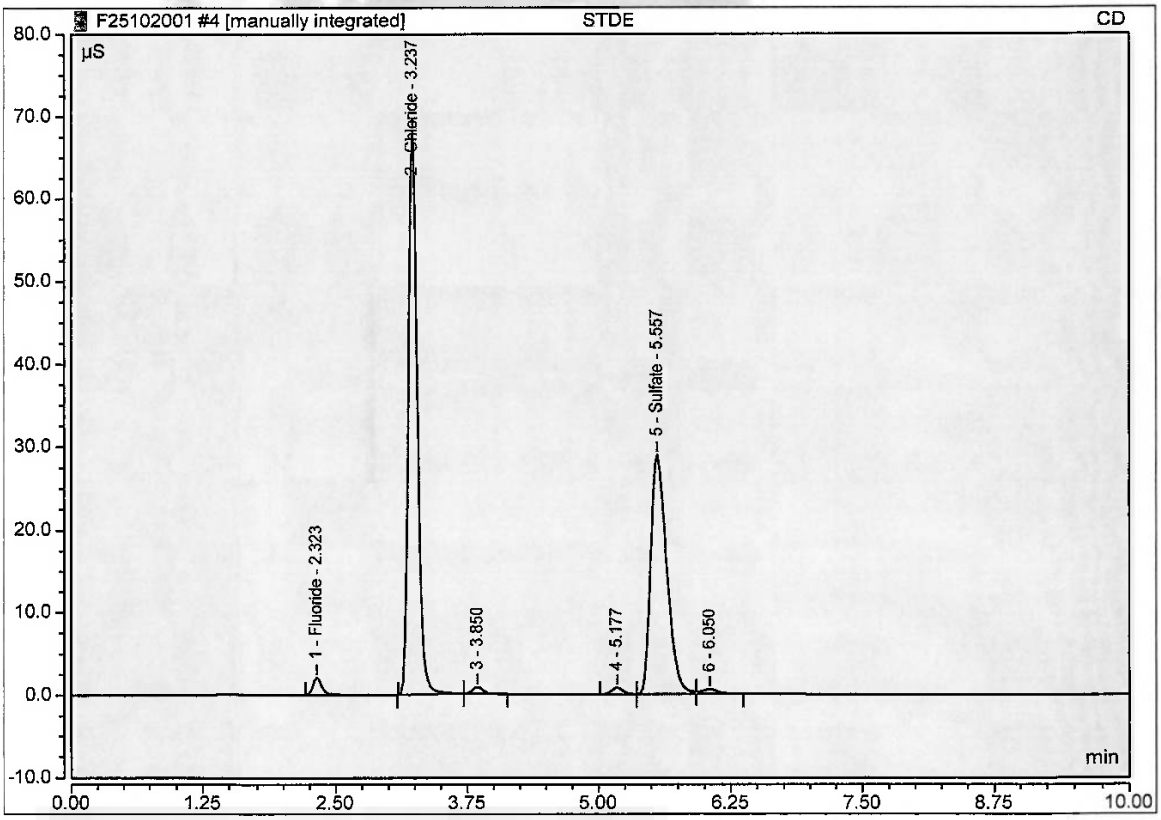
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**STDE**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Calibration Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**15-Oct-2025 / 11:51**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.32	Fluoride	BMB	0.215	2.105	0.9649
2	3.24	Chloride	BMb	6.741	68.228	47.6168
5	5.56	Sulfate	bM *	4.975	28.922	46.7682
TOTAL:				11.93	99.25	95.35



Anion/Integration

Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

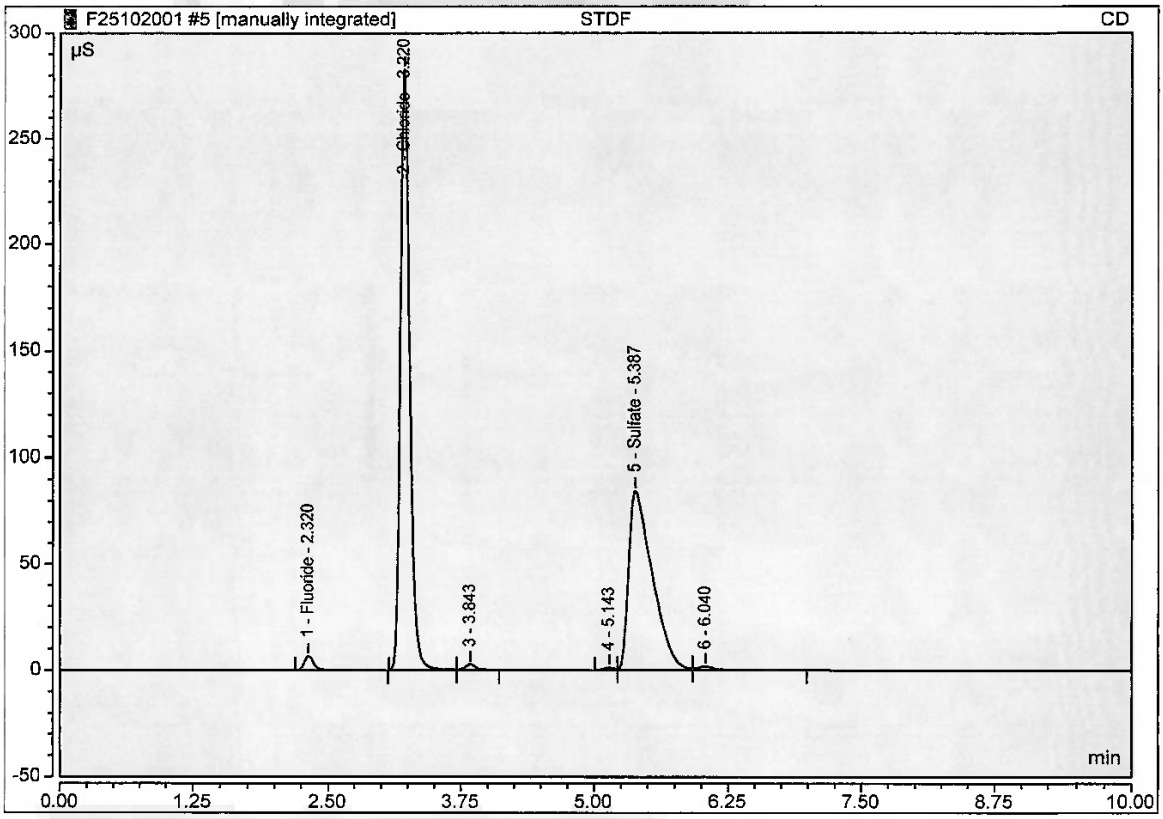
Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**STDF**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Calibration Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**15-Oct-2025 / 12:04**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.32	**Fluoride**	BMB	0.700	6.618	3.1799
2	3.22	**Chloride**	BMb	28.884	282.741	203.1766
5	5.39	**Sulfate**	M *	21.413	84.519	202.9352
		TOTAL:		51.00	373.88	409.29

RDL
1.51%
1.47%



17.6
17

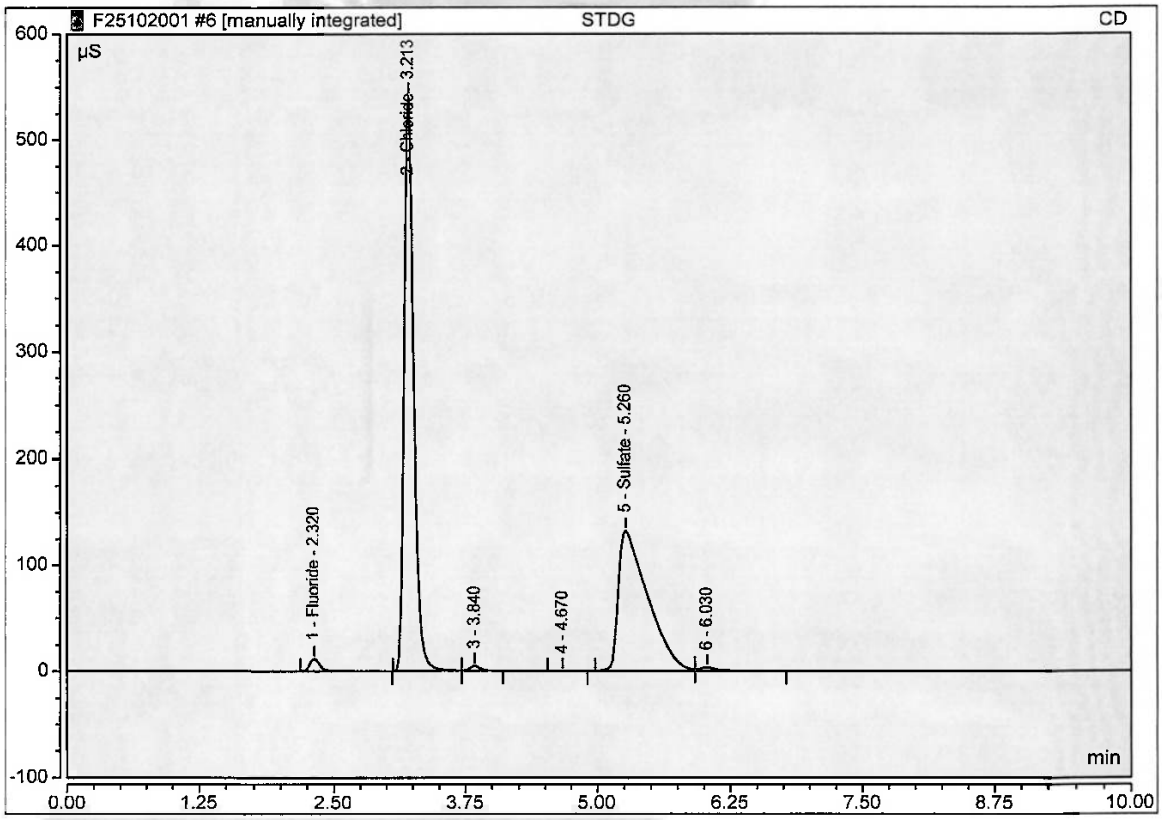
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**STDG**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Calibration Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**15-Oct-2025 / 12:17**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.32	**Fluoride**	BMB	1.289	11.756	5.8705
2	3.21	**Chloride**	BMb	56.900	541.254	399.9979
5	5.26	**Sulfate**	BM *	42.341	132.453	401.7693
		TOTAL:		100.53	685.46	807.64



Anion/Integration

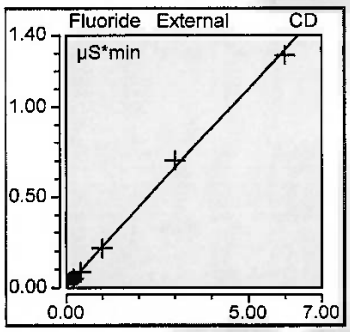
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

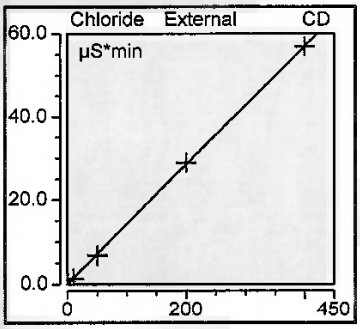
Calibration Batch Report

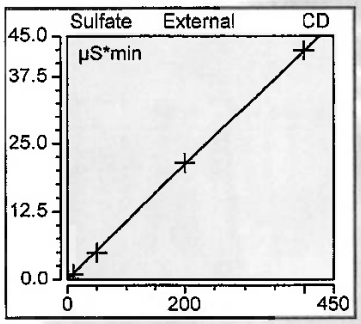
Sequence:	**F25102001**	*Injection Volu*	**5,000.00**
Instrument M	**7 anion_multi ple injections**	*Operator:*	**Chemistry**
Inj. Date / Tin	**15/10/2025 / 11:25**	*Run Time:*	**10**

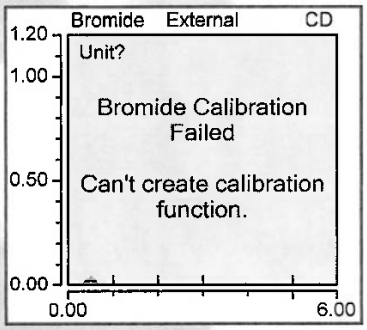
bration Summary

Peak Name	Eval.Type	Cal.Type	Points	Offset (C0)	Slope (C1)	Curve (C2)	Coeff.Det. %
Fluoride	Area	, WithOffset,	5.000	0.004	0.219	0.000	99.7711
Chloride	Area	, WithOffset,	6.000	-0.037	0.142	0.000	99.9599
Sulfate	Area	, WithOffset,	6.000	0.052	0.105	0.000	99.8757
		AVERAGE:		0.0064	0.1555	0.0000	99.8689







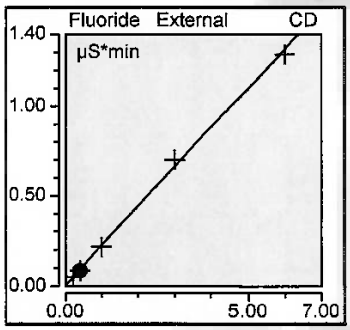


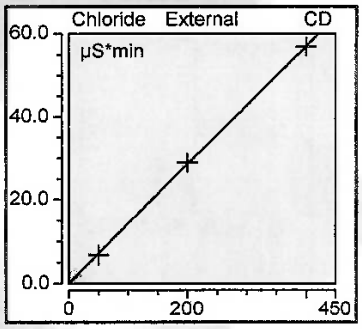
Calibration Batch Report

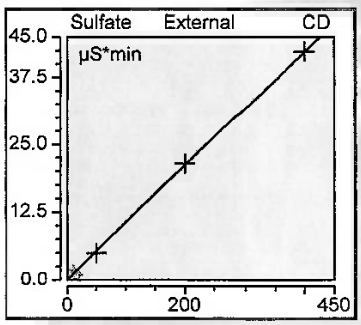
Sequence:	**F25102001**	*Injection Volu*	**5,000.00**
Instrument Me	**7 anion_multi ple injections**	*Operator:*	**Chemistry**
Inj. Date / Tin	**15/10/2025 / 11:38**	*Run Time:*	**10**

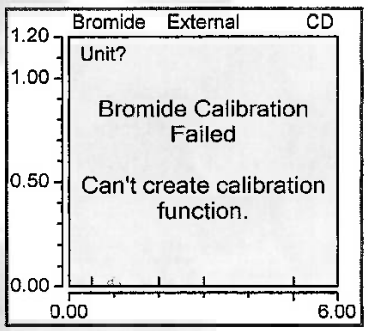
bration Summary

Peak Name	Eval.Type	Cal.Type	Points	Offset (C0)	Slope (C1)	Curve (C2)	Coeff.Det. %
Fluoride	Area	, WithOffset,	5.000	0.004	0.219	0.000	99.7711
Chloride	Area	, WithOffset,	6.000	-0.037	0.142	0.000	99.9599
Sulfate	Area	, WithOffset,	6.000	0.052	0.105	0.000	99.8757
		AVERAGE:		0.0064	0.1555	0.0000	99.8689







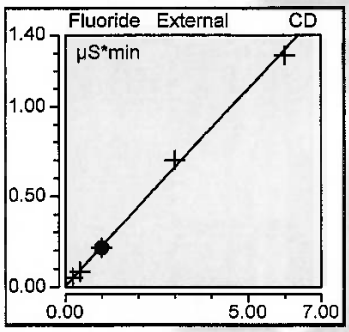


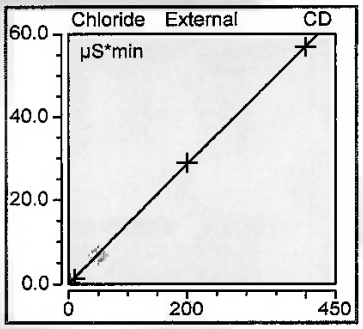
Calibration Batch Report

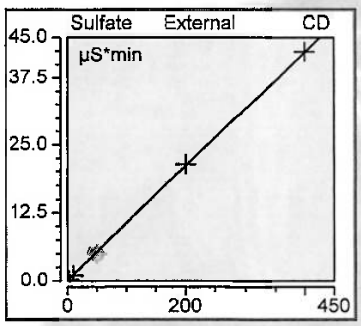
Sequence:	**F25102001**	*Injection Volu*	**5,000.00**
Instrument M	**7 anion_multi ple injections**	*Operator:*	**Chemistry**
Inj. Date / Tin	**15/10/2025 / 11:51**	*Run Time:*	**10**

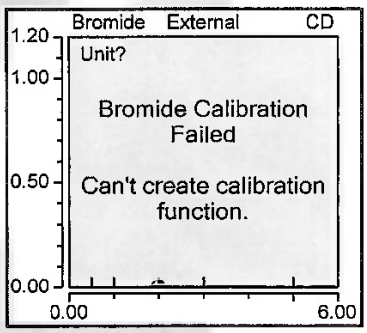
bration Summary

Peak Name	Eval.Type	Cal.Type	Points	Offset (C0)	Slope (C1)	Curve (C2)	Coeff.Det. %
Fluoride	Area	, WithOffset,	5.000	0.004	0.219	0.000	99.7711
Chloride	Area	, WithOffset,	6.000	-0.037	0.142	0.000	99.9599
Sulfate	Area	, WithOffset,	6.000	0.052	0.105	0.000	99.8757
		AVERAGE:		0.0064	0.1555	0.0000	99.8689







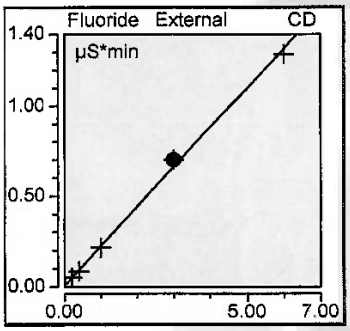


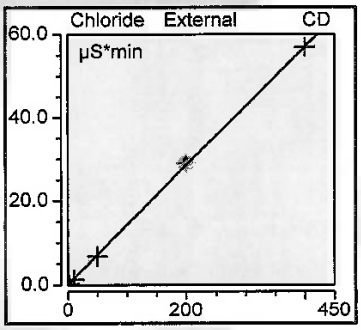
Calibration Batch Report

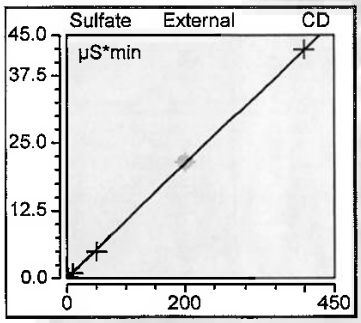
Sequence:	**F25102001**	*Injection Volu*	**5,000.00**
Instrument Mt	**7 anion_multi ple injections**	*Operator:*	**Chemistry**
Inj. Date / Tin	**15/10/2025 / 12:04**	*Run Time:*	**10**

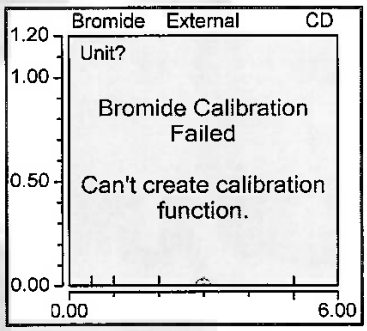
bration Summary

Peak Name	Eval.Type	Cal.Type	Points	Offset (C0)	Slope (C1)	Curve (C2)	Coeff.Det. %
Fluoride	Area	, WithOffset,	5.000	0.004	0.219	0.000	99.7711
Chloride	Area	, WithOffset,	6.000	-0.037	0.142	0.000	99.9599
Sulfate	Area	, WithOffset,	6.000	0.052	0.105	0.000	99.8757
		AVERAGE:		0.0064	0.1555	0.0000	99.8689







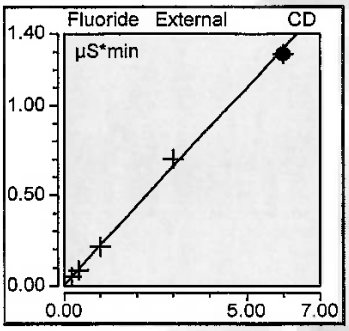


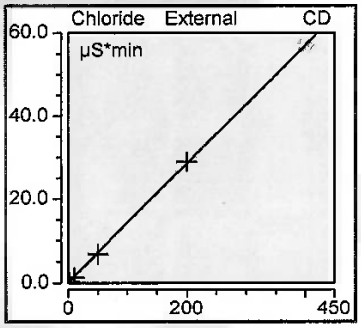
Calibration Batch Report

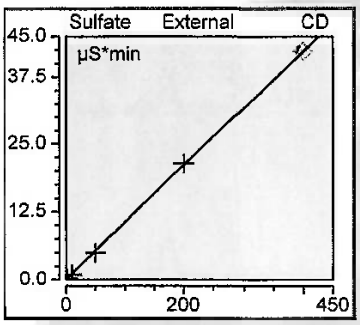
Sequence:	**F25102001**	*Injection Volu*	**5,000.00**
Instrument M	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Tin	**15/10/2025 / 12:17**	*Run Time:*	**10**

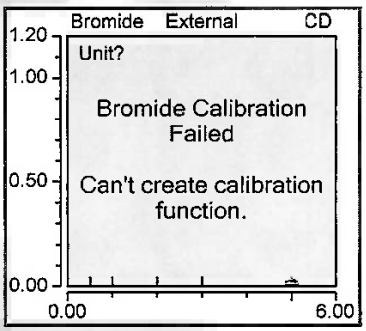
bration Summary

Peak Name	Eval.Type	Cal.Type	Points	Offset (C0)	Slope (C1)	Curve (C2)	Coeff.Det. %
Fluoride	Area	, WithOffset,	5.000	0.004	0.219	0.000	99.7711
Chloride	Area	, WithOffset,	6.000	-0.037	0.142	0.000	99.9599
Sulfate	Area	, WithOffset,	6.000	0.052	0.105	0.000	99.8757
		AVERAGE:		0.0064	0.1555	0.0000	99.8689







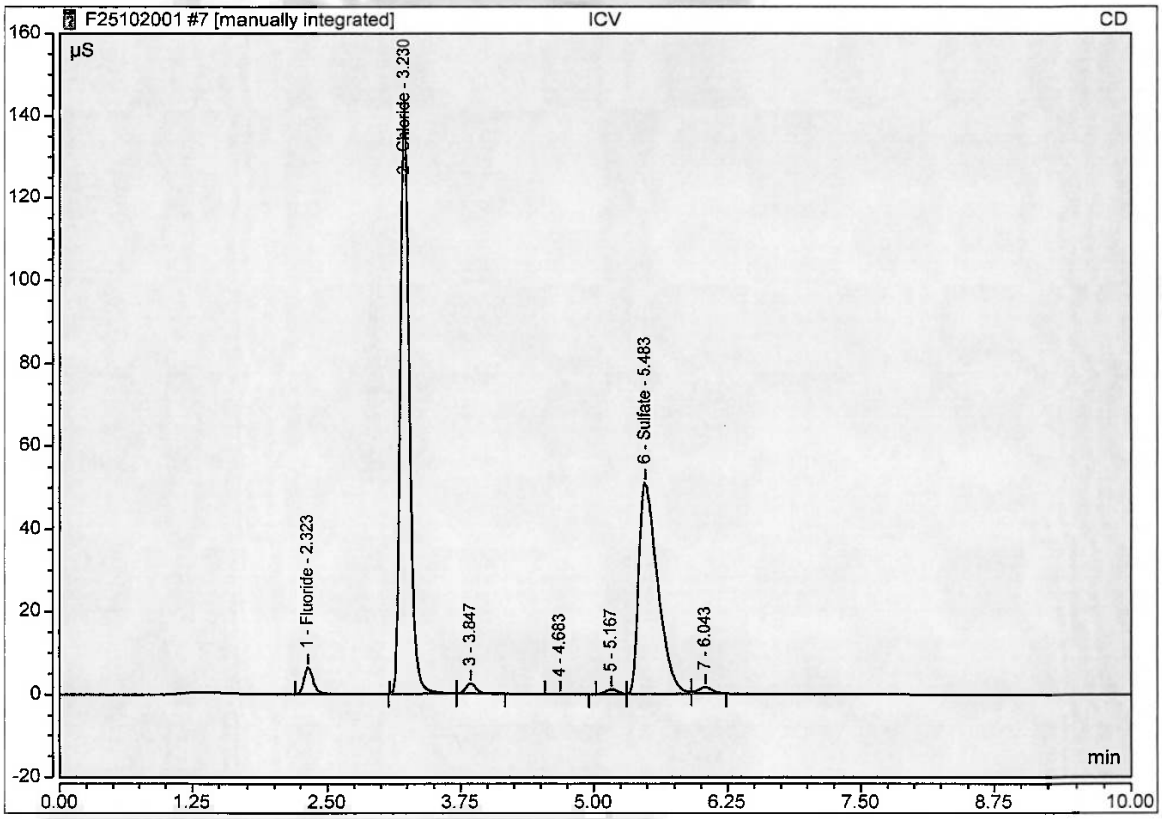


Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**ICV**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**15-Oct-2025 / 12:29**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.32	Fluoride	BMB	0.680	6.540	3.0901
2	3.23	Chloride	BMb	14.081	140.315	99.1805
6	5.48	Sulfate	M *	10.390	51.156	98.2197
TOTAL:				25.15	198.01	200.49



Anion/Integration

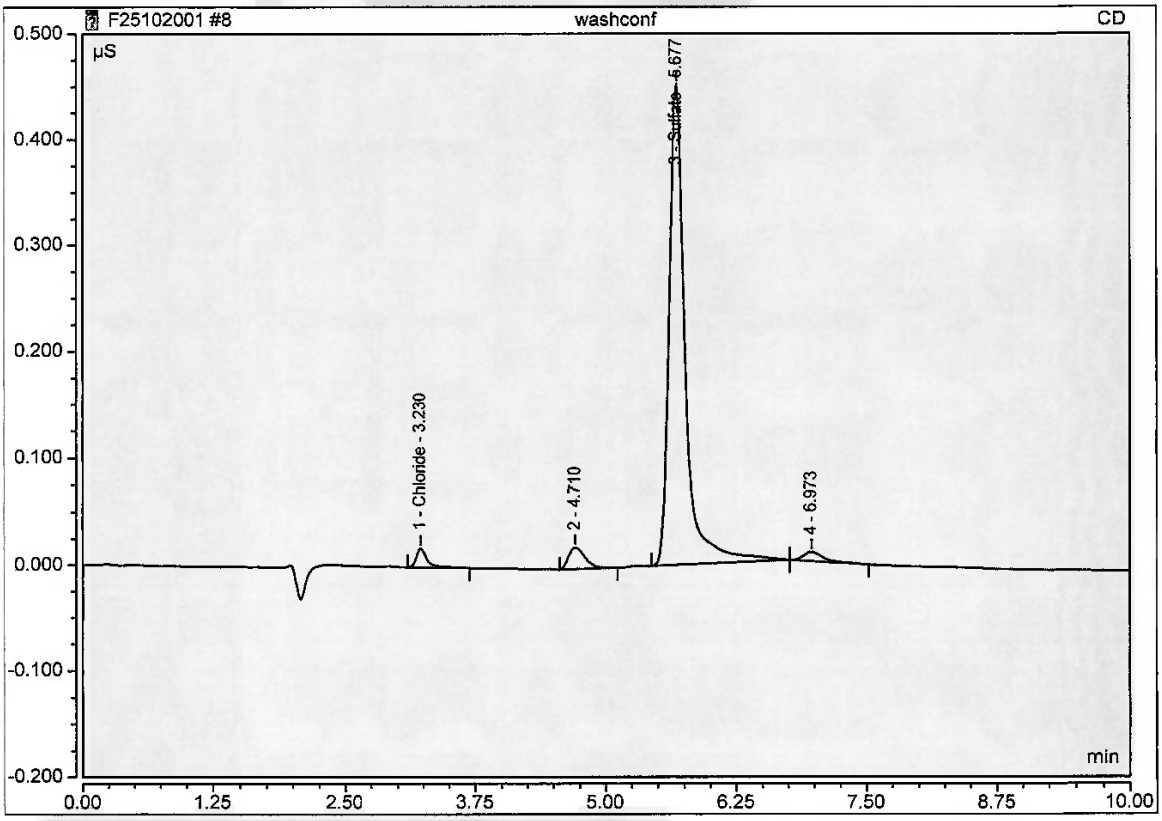
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**washconf**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**20-Oct-2025 / 12:42**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	3.23	Chloride	BMB	0.002	0.018	0.2726
3	5.68	Sulfate	BMb	0.080	0.452	0.2687
TOTAL:				0.08	0.47	0.54



Anion/Integration

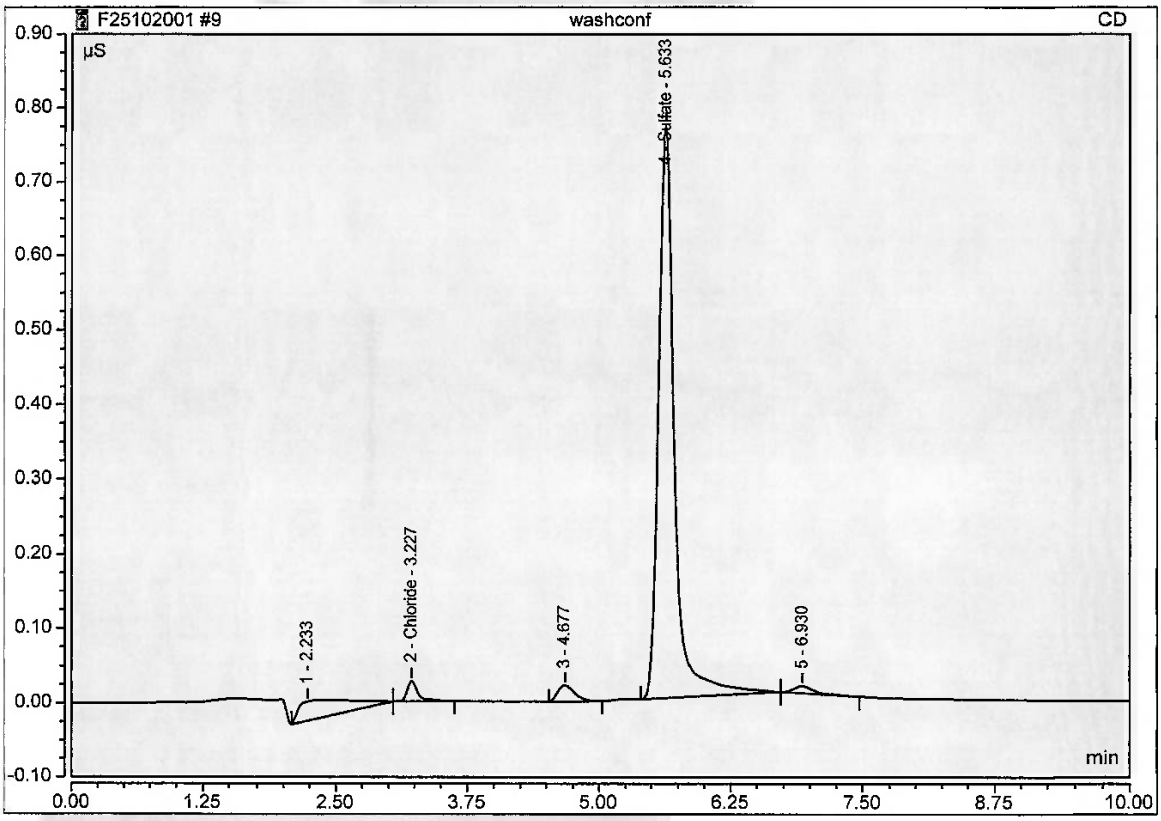
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**washconf**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**20-Oct-2025 / 12:54**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	3.23	Chloride	bMB	0.003	0.027	0.2796
4	5.63	Sulfate	BMb	0.132	0.770	0.7615
TOTAL:				0.14	0.80	1.04



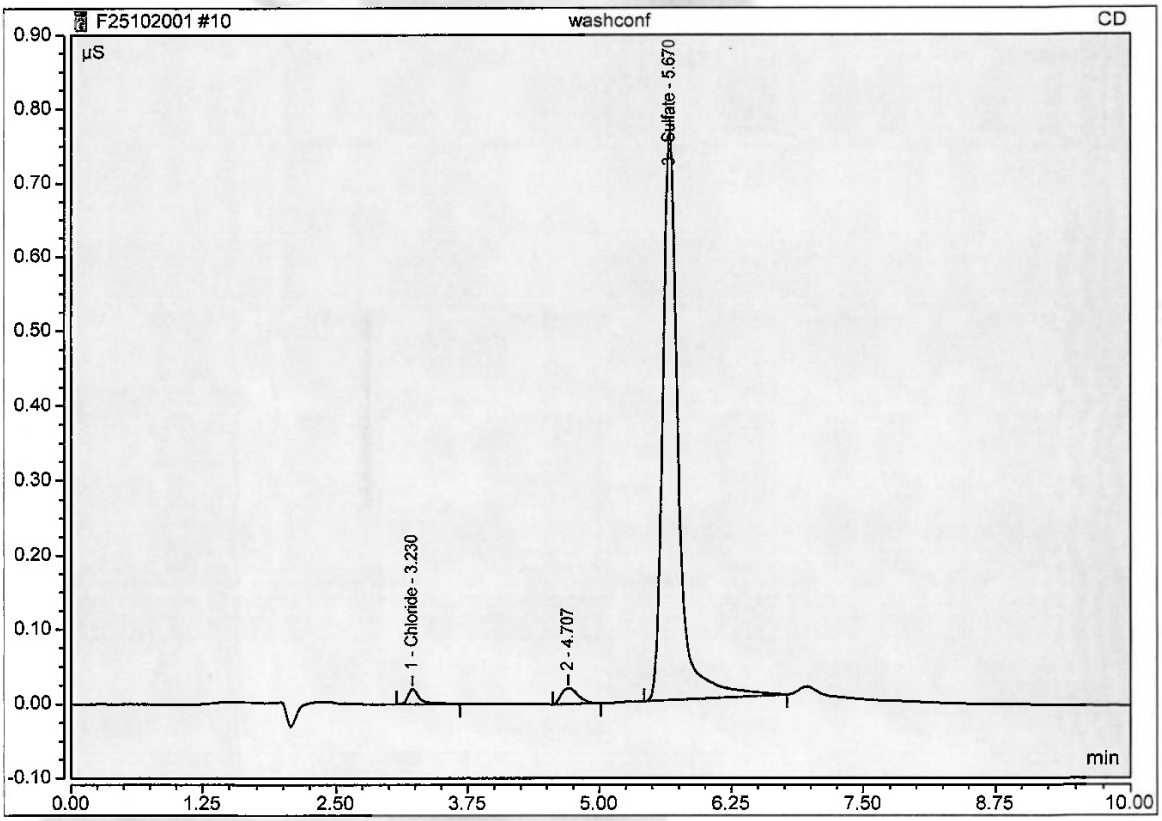
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**washconf**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**20-Oct-2025 / 13:07**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	3.23	Chloride	BMB	0.003	0.021	0.2757
3	5.67	Sulfate	BMB	0.130	0.763	0.7454
		TOTAL:		0.13	0.78	1.02



Anion/Integration

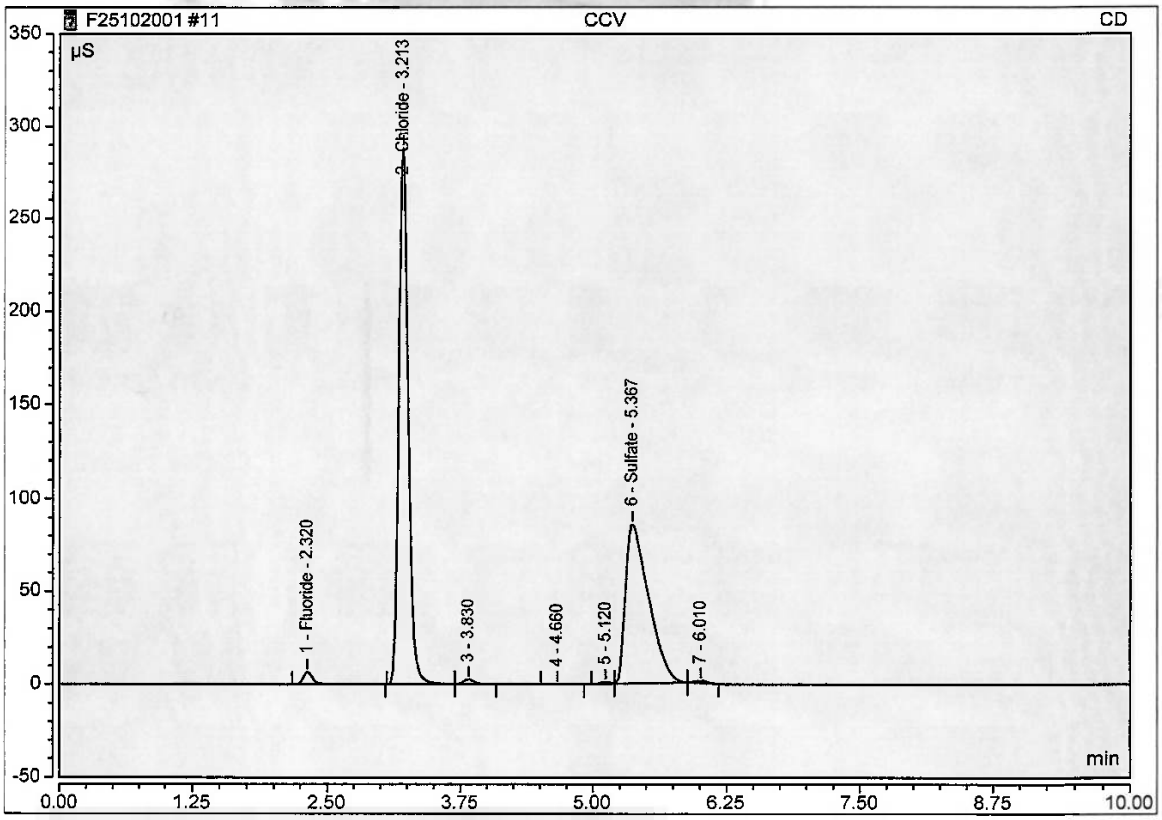
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**CCV**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**20-Oct-2025 / 13:20**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.32	Fluoride	BMB	0.701	6.675	3.1847
2	3.21	Chloride	BMb	29.565	288.156	207.9584
6	5.37	Sulfate	Mb	21.513	85.813	203.8935
TOTAL:				51.78	380.64	415.04



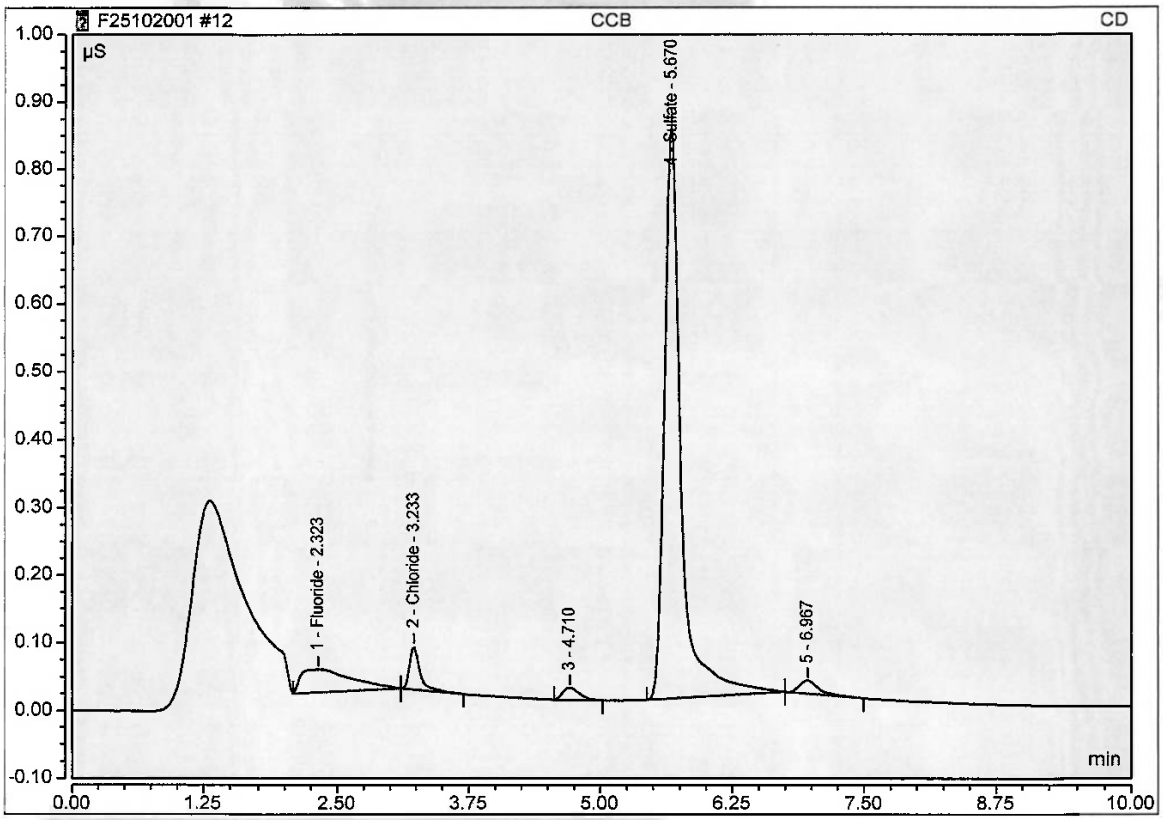
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**CCB**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**20-Oct-2025 / 13:33**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.32	**Fluoride**	BMb	0.019	0.034	0.0689
2	3.23	**Chloride**	bMB	0.007	0.063	0.3098
4	5.67	**Sulfate**	BMb	0.154	0.845	0.9656
		TOTAL:		0.18	0.94	1.34



Anion/Integration

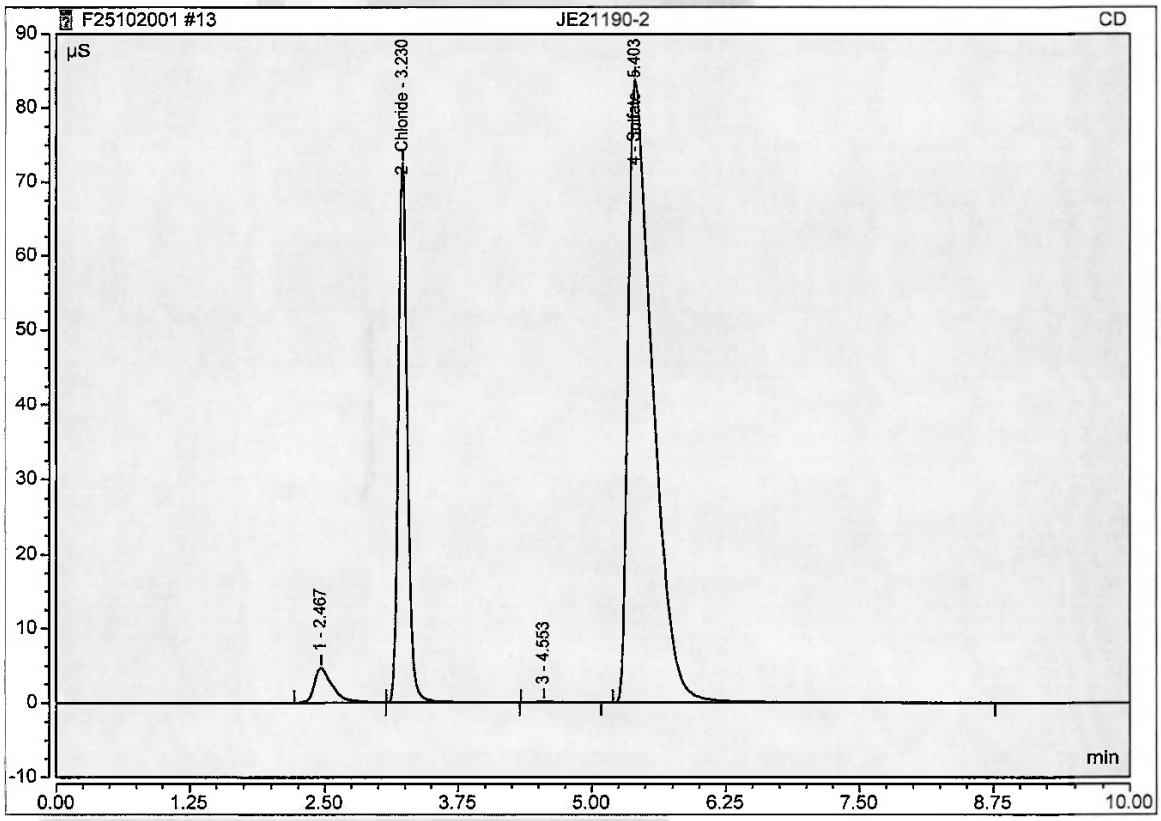
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**JE21190-2**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**4.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**20-Oct-2025 / 19:28**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	3.23	Chloride	BMB	7.217	72.479	203.8413
4	5.40	Sulfate	BMB	22.021	83.710	834.8764
TOTAL:				29.24	156.19	1038.72



Anion/Integration

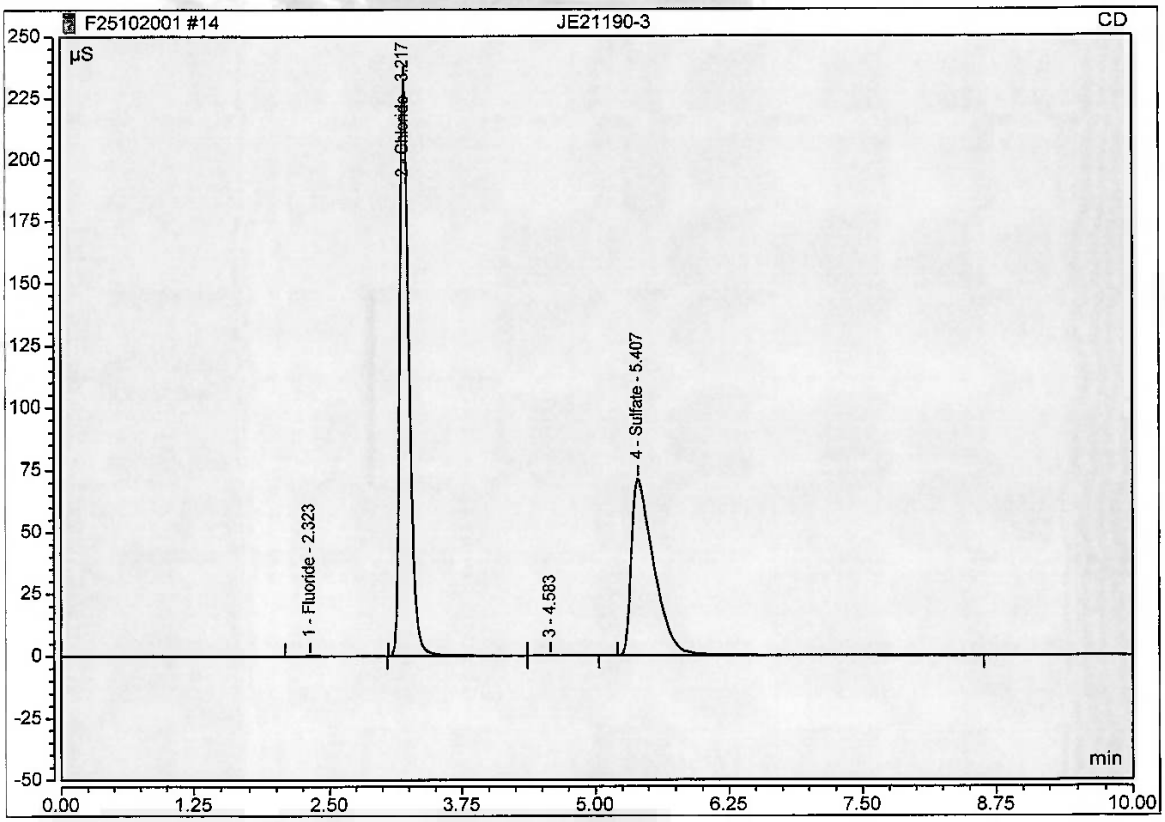
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**JE21190-3**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**5.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**20-Oct-2025 / 19:41**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.32	Fluoride	BMB	0.025	0.095	0.4824
2	3.22	Chloride	BMb	23.802	232.751	837.3616
4	5.41	Sulfate	BMB	17.432	71.389	825.6003
TOTAL:				41.26	304.24	1663.44



Anion/Integration

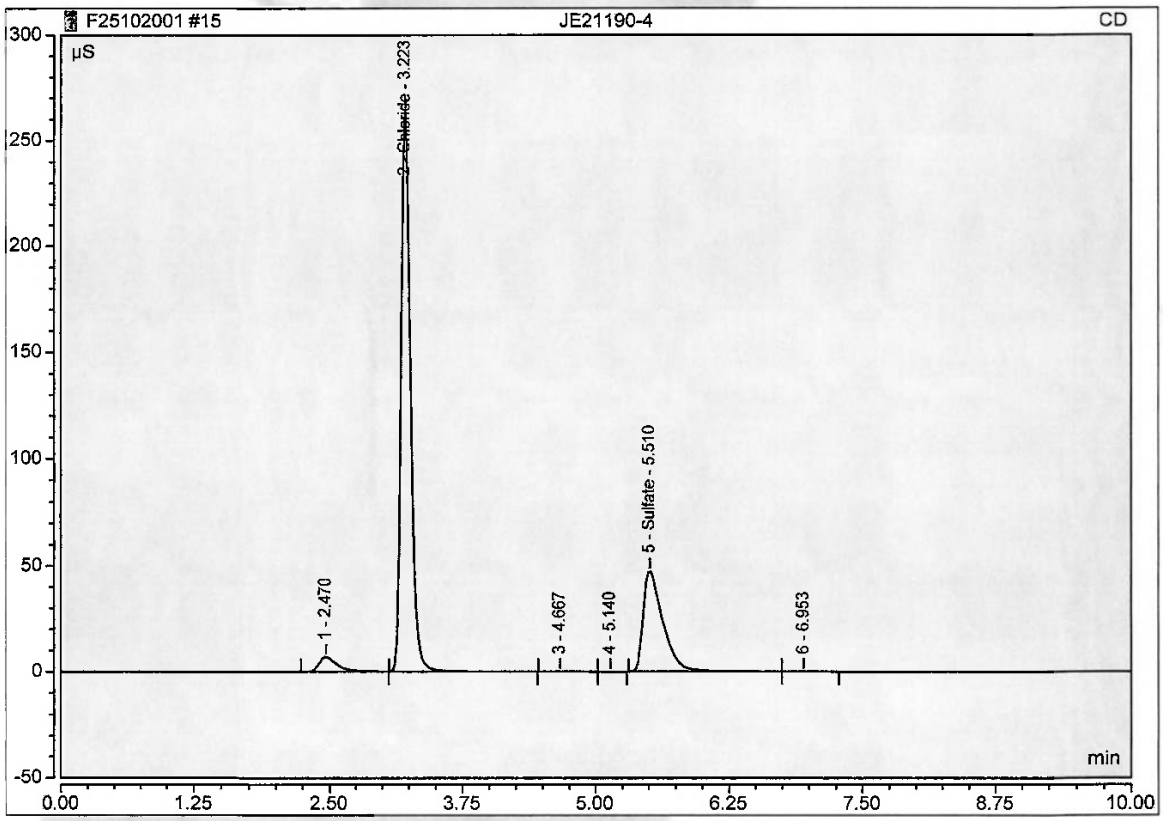
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**JE21190-4**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**6.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**20-Oct-2025 / 19:54**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	3.22	Chloride	BMB	27.098	263.581	1143.7610
5	5.51	Sulfate	BMb	10.174	47.472	576.9872
TOTAL:				37.27	311.05	1720.75



Anion/Integration

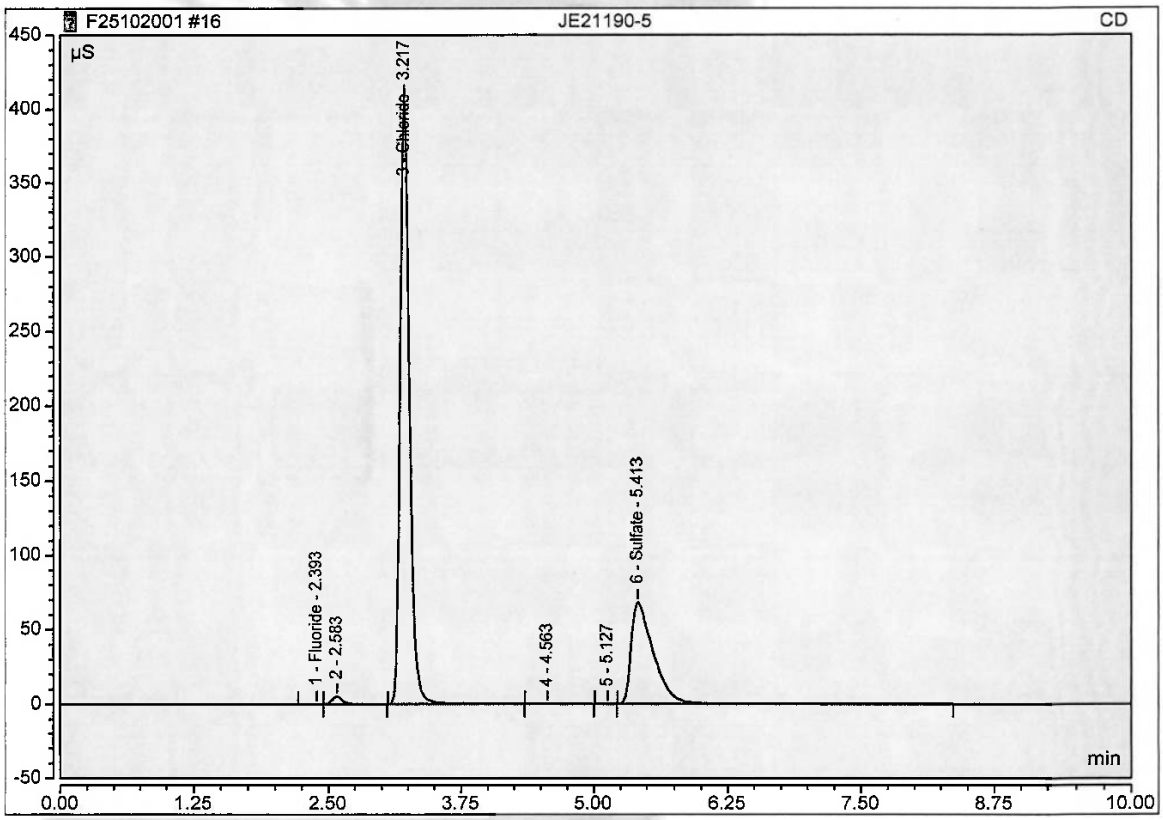
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**JE21190-5**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**3.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**20-Oct-2025 / 20:07**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.39	Fluoride	BM	0.011	0.067	0.0949
3	3.22	Chloride	BMB	42.179	405.019	889.7301
6	5.41	Sulfate	BMB	16.368	68.081	465.0188
		TOTAL:		58.56	473.17	1354.84



Anion/Integration

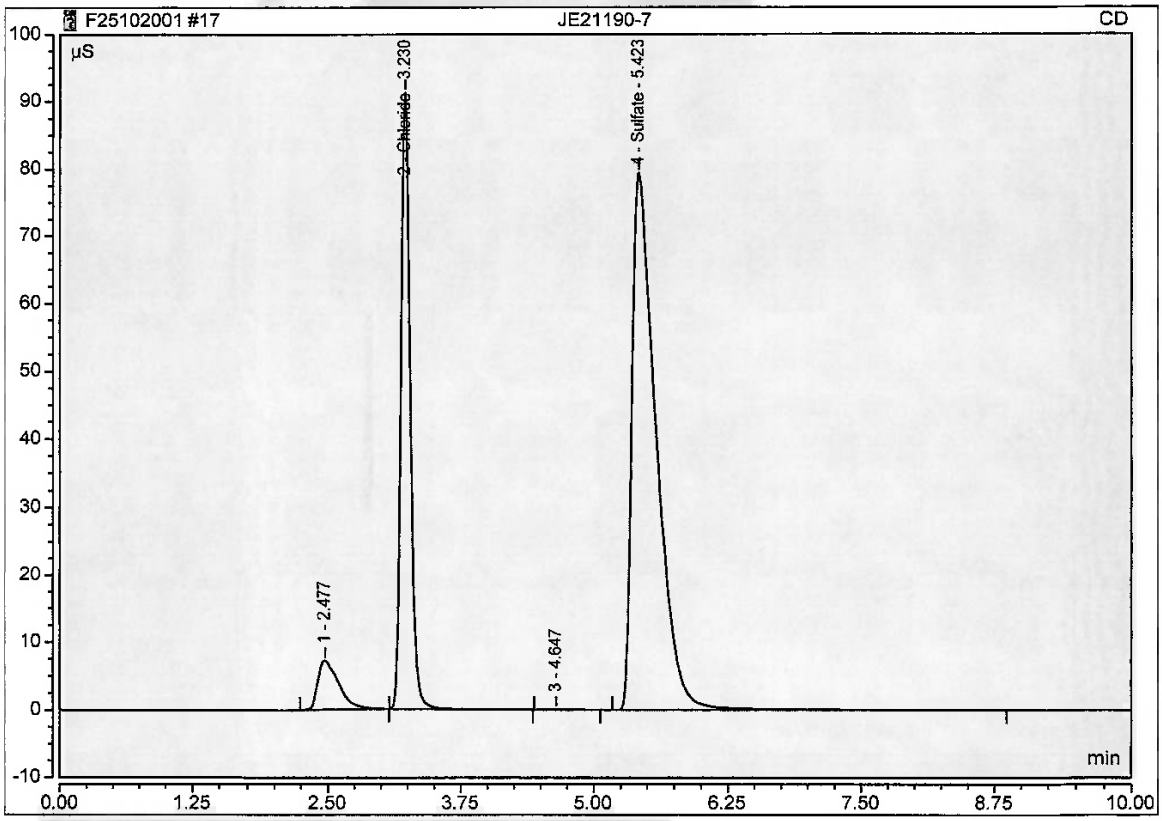
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**JE21190-7**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**10.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**20-Oct-2025 / 20:19**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	3.23	Chloride	BMB	9.158	91.127	645.9570
4	5.42	Sulfate	BMB	20.730	79.355	1964.4729
TOTAL:				29.89	170.48	2610.43



Anion/Integration

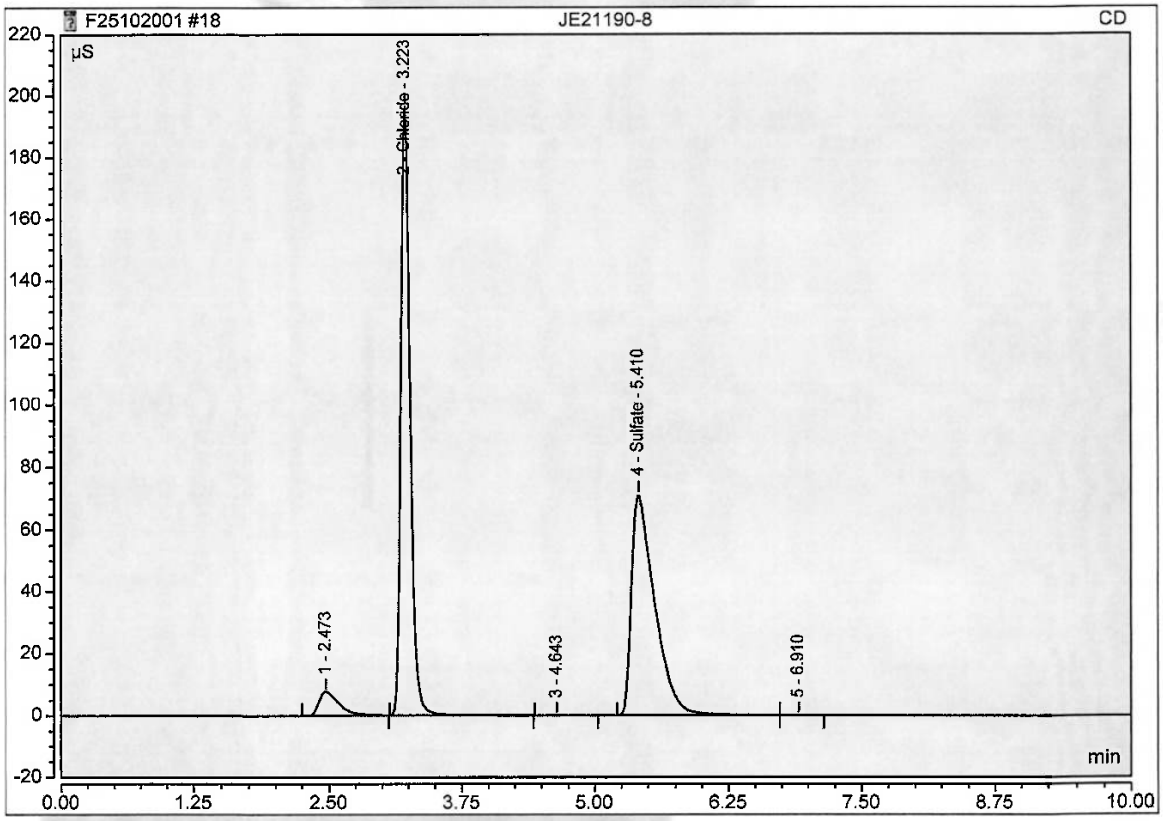
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**JE21190-8**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**10.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**20-Oct-2025 / 20:32**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	3.22	Chloride	BMB	20.167	196.446	1419.3590
4	5.41	Sulfate	BMb	17.682	71.186	1674.8916
TOTAL:				37.85	267.63	3094.25



Anion/Integration

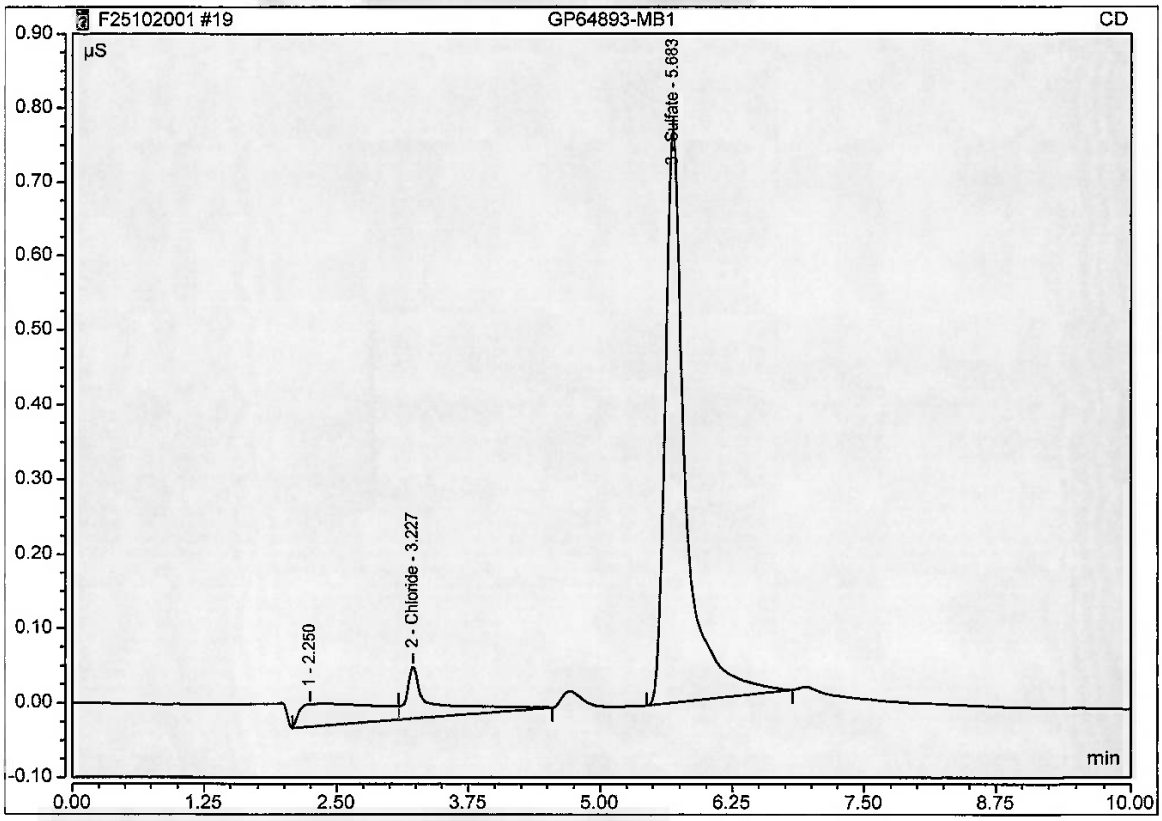
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**GP64893-MB1**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**20-Oct-2025 / 20:45**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	3.23	Chloride	MB	0.020	0.070	0.3984
3	5.68	Sulfate	BMB	0.171	0.768	1.1344
TOTAL:				0.19	0.84	1.53



Anion/Integration

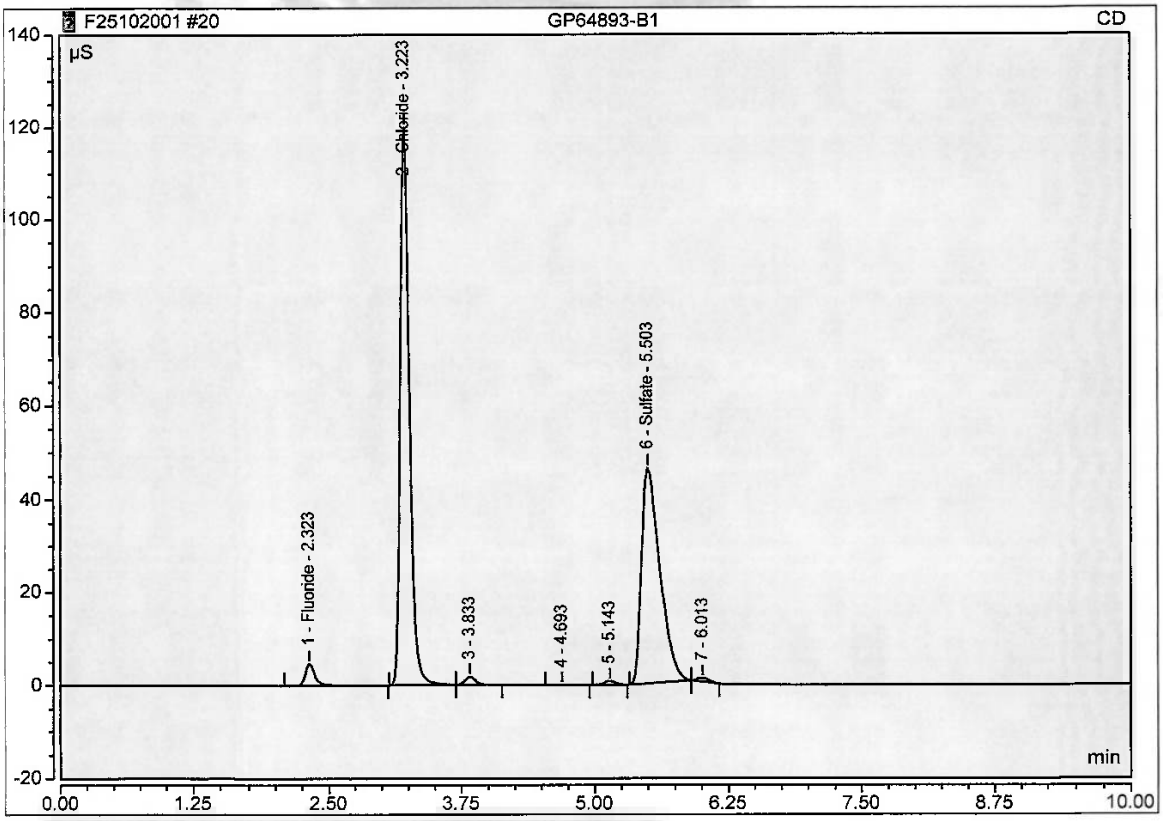
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**GP64893-B1**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**20-Oct-2025 / 20:58**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.32	Fluoride	BMB	0.507	4.706	2.2967
2	3.22	Chloride	BMb	12.087	119.934	85.1701
6	5.50	Sulfate	BMb	9.226	46.305	87.1570
TOTAL:				21.82	170.95	174.62



Anion/Integration

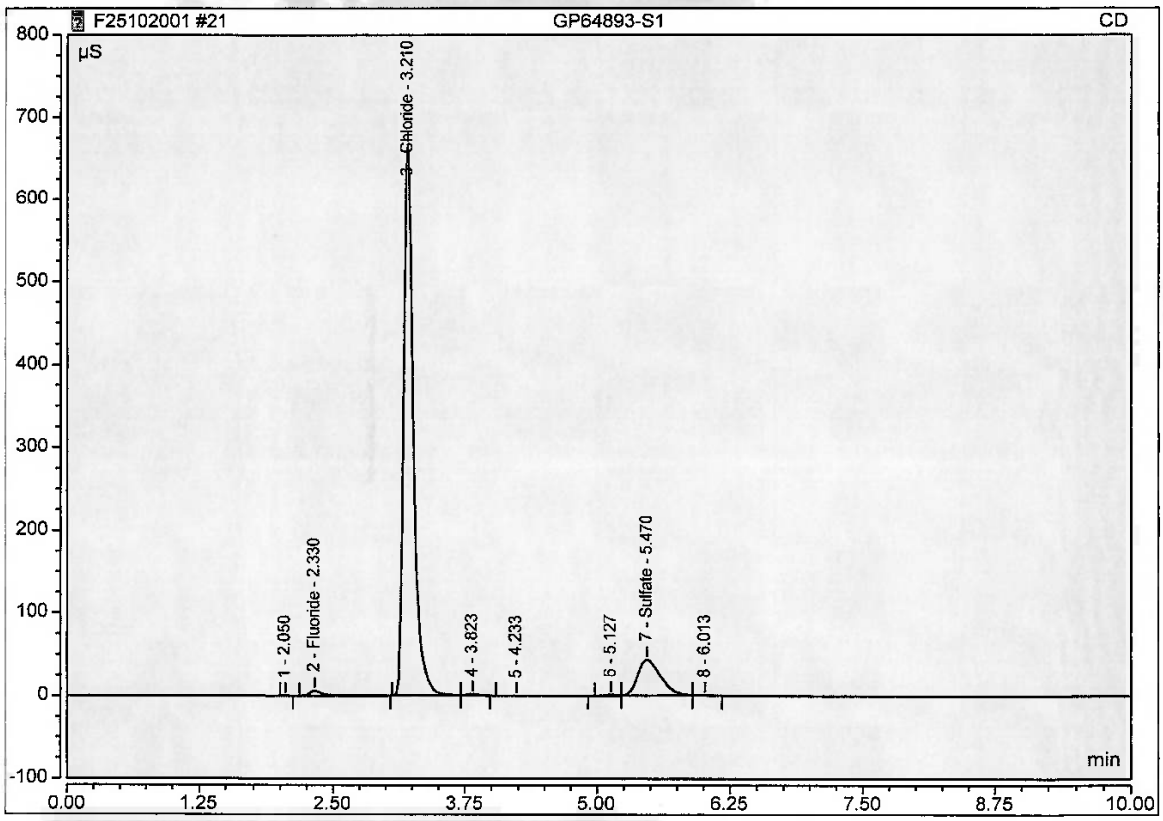
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**GP64893-S1**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**20-Oct-2025 / 21:11**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.33	**Fluoride**	BMB	0.810	6.156	3.6832
3	3.21	**Chloride**	BMb	72.196	666.963	507.4548
7	5.47	**Sulfate**	Mb	10.712	43.017	101.2760
		TOTAL:		83.72	716.14	612.41



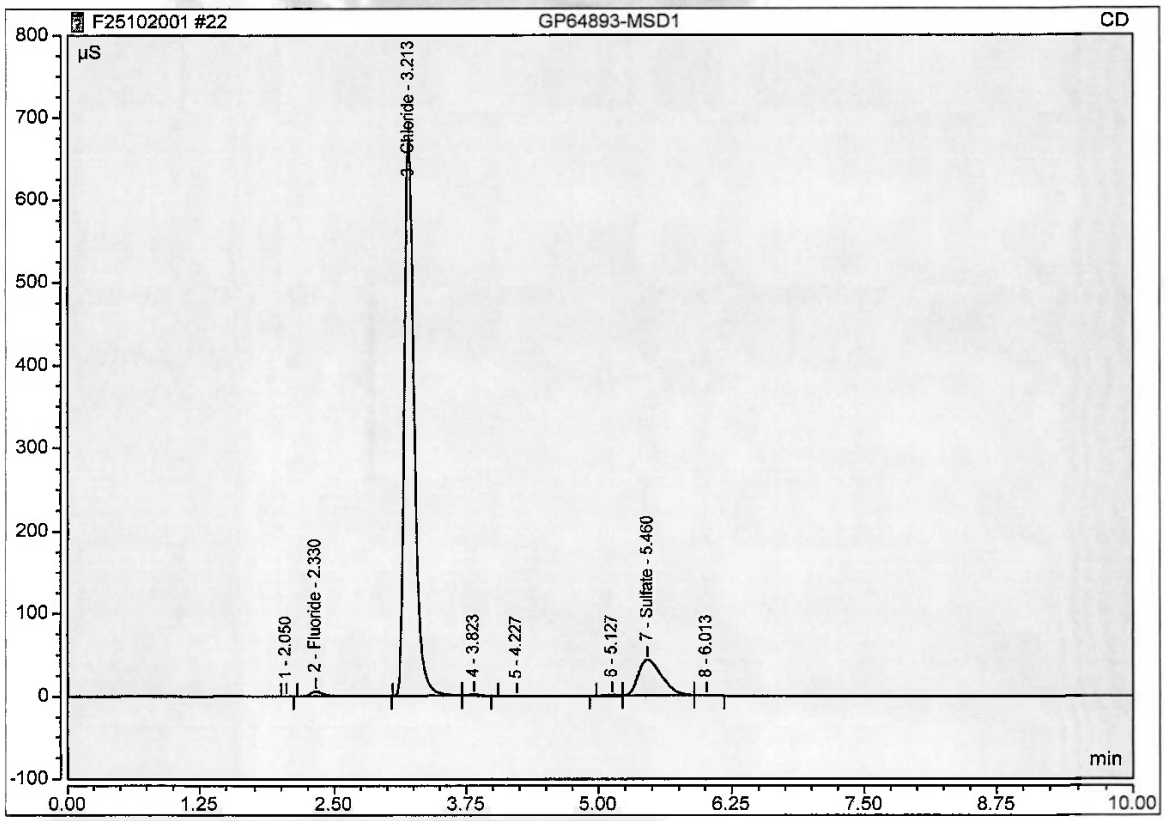
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**GP64893-MSD1**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**20-Oct-2025 / 21:24**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.33	Fluoride	BMB	0.836	6.209	3.8010
3	3.21	Chloride	BMb	74.042	677.628	520.4191
7	5.46	Sulfate	Mb	10.928	43.157	103.3301
TOTAL:				85.81	726.99	627.55



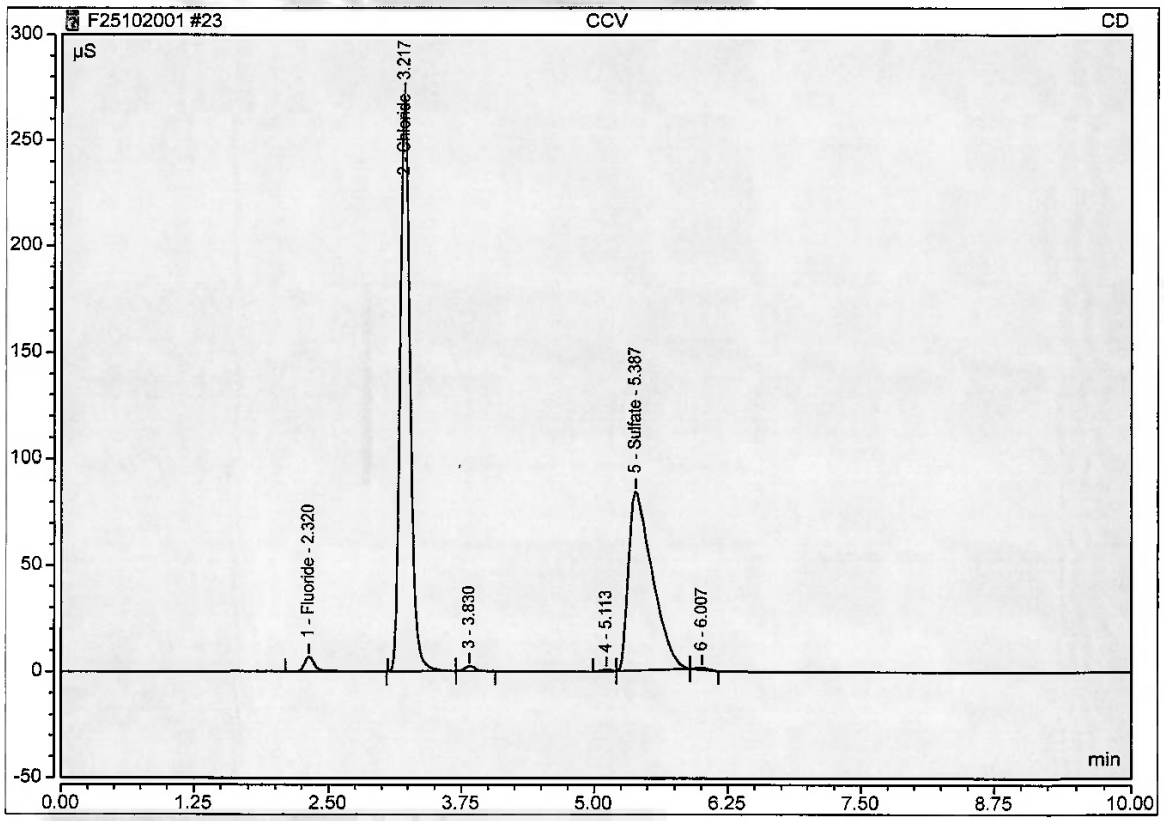
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**CCV**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**20-Oct-2025 / 21:37**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.32	Fluoride	BMB	0.780	6.886	3.5444
2	3.22	Chloride	BMb	29.606	270.718	208.2492
5	5.39	Sulfate	Mb	21.555	84.022	204.2917
		TOTAL:		51.94	361.63	416.09



Anion/Integration

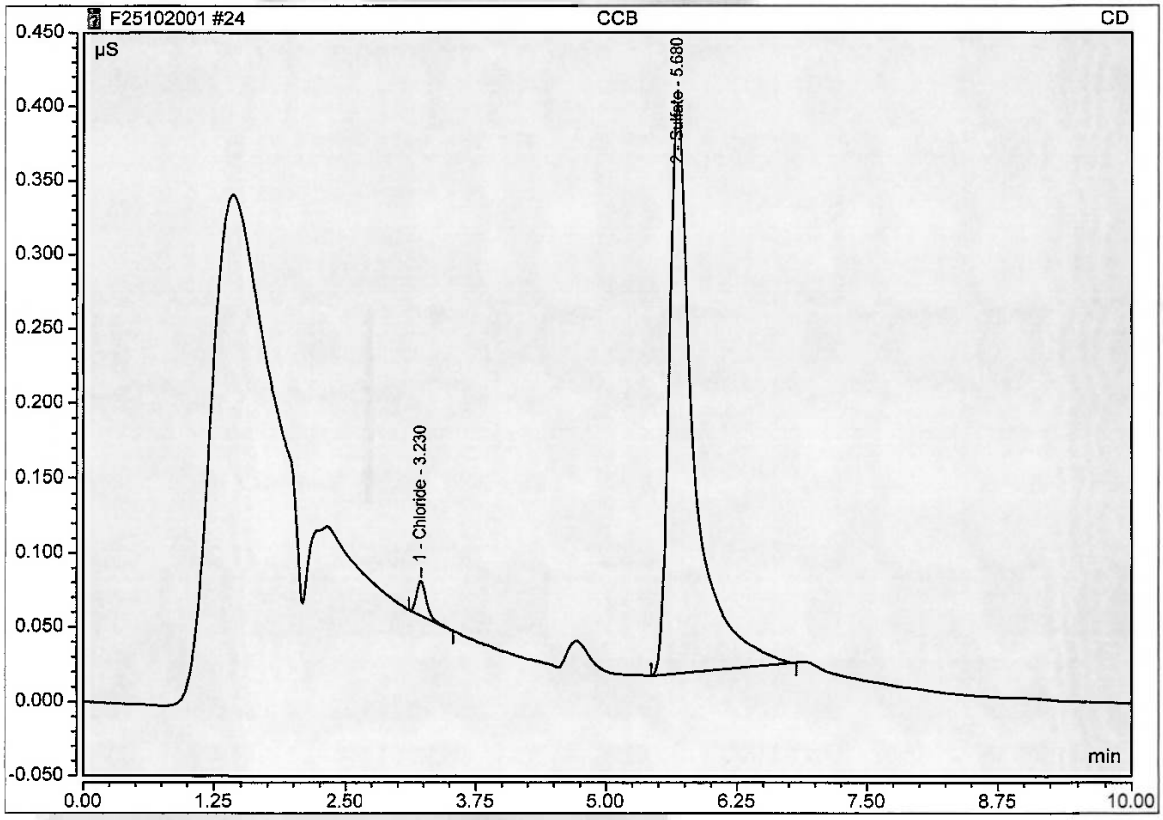
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**CCB**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**20-Oct-2025 / 21:50**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	3.23	**Chloride**	BMB	0.003	0.024	0.2759
2	5.68	**Sulfate**	BMB	0.105	0.383	0.5042
		TOTAL:		0.11	0.41	0.78



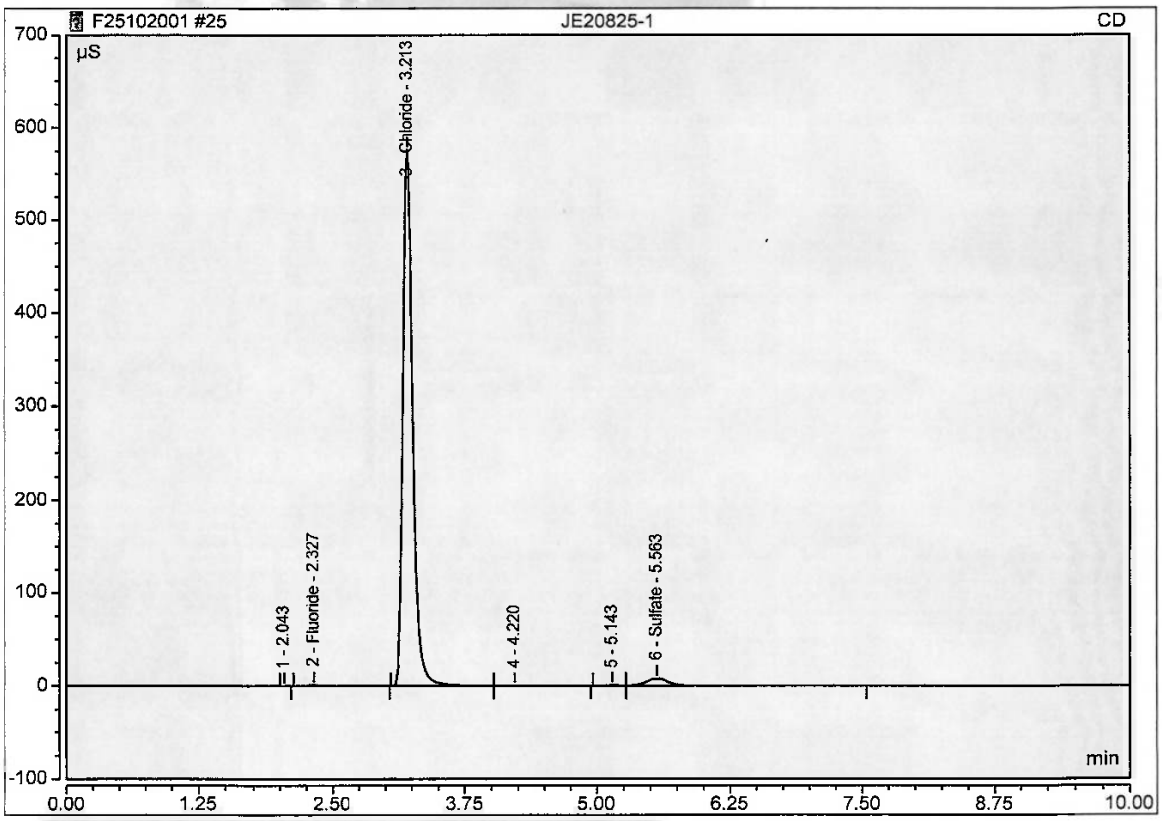
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**JE20825-1**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**20-Oct-2025 / 22:03**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.33	Fluoride	BMB	0.165	1.172	0.7380
3	3.21	Chloride	BMb	62.724	575.843	440.9137
6	5.56	Sulfate	MB	1.904	7.814	17.5977
TOTAL:				64.79	584.83	459.25



Anion/Integration

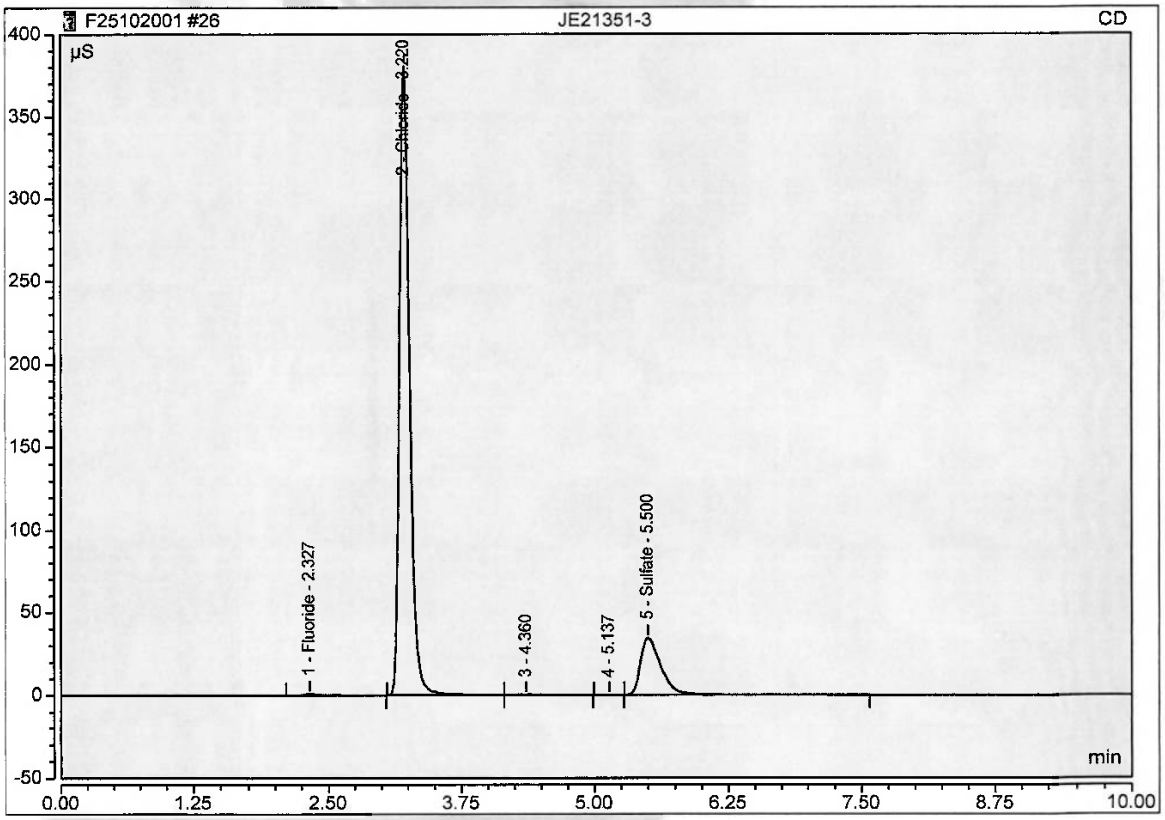
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**JE21351-3**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**20-Oct-2025 / 22:16**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.33	**Fluoride**	BMB	0.126	0.823	0.5563
2	3.22	**Chloride**	BMb	41.889	380.429	294.5378
5	5.50	**Sulfate**	BMB	7.452	34.142	70.3049
		TOTAL:		49.47	415.39	365.40



Anion/Integration

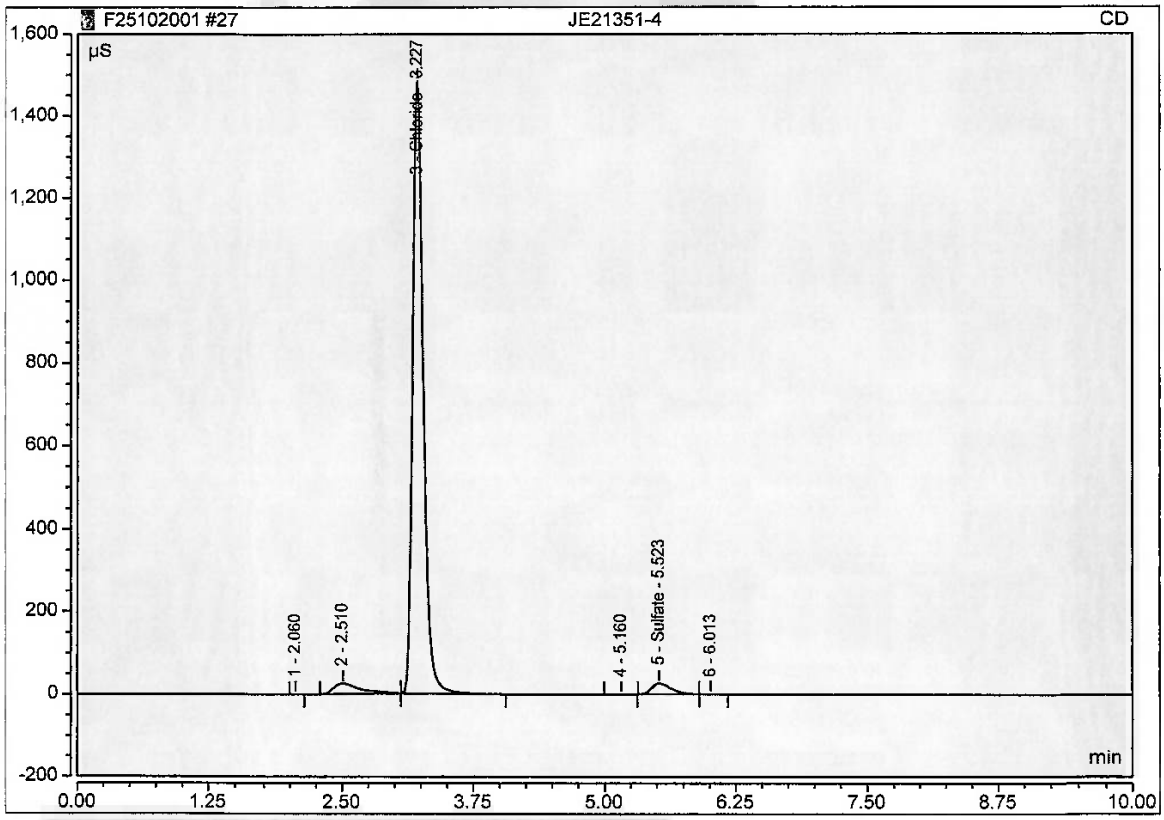
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**JE21351-4**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**20-Oct-2025 / 22:29**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
3	3.23	Chloride	BMB	172.620	1481.524	1212.9622
5	5.52	Sulfate	BMb	5.308	25.743	49.9338
TOTAL:				177.93	1507.27	1262.90



Anion/Integration

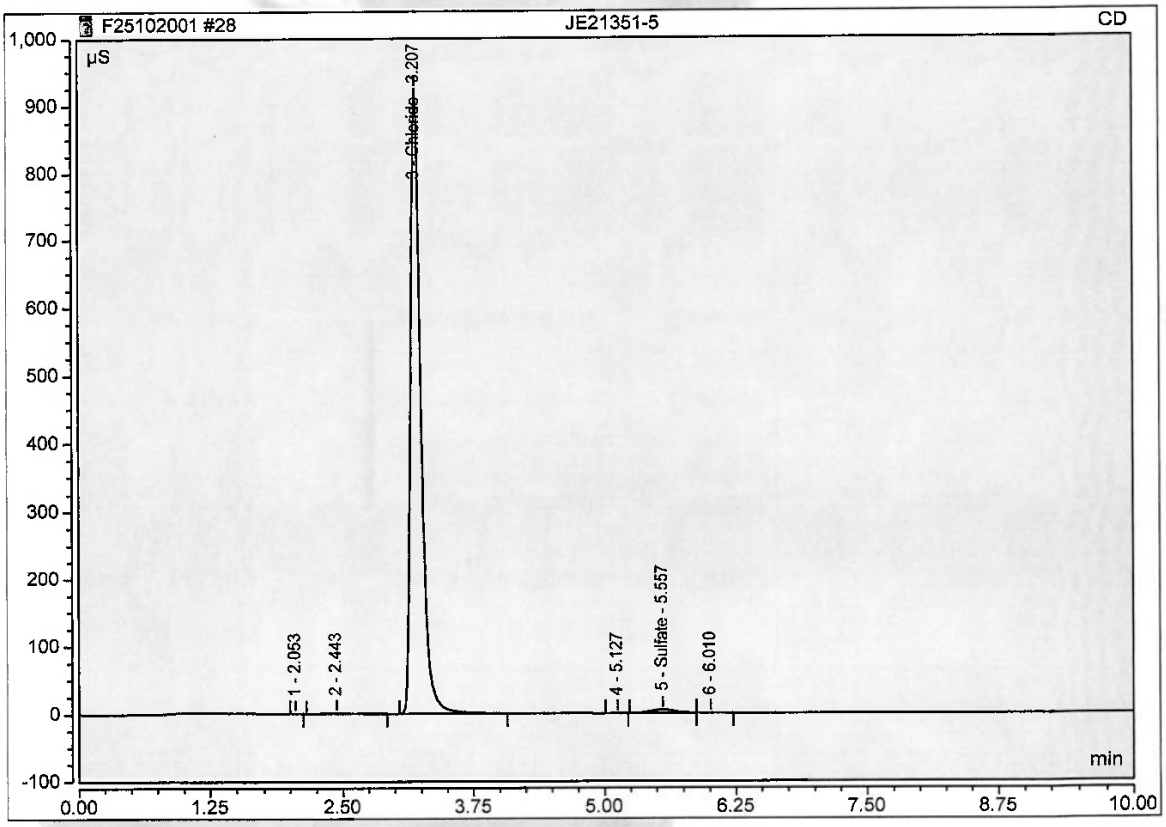
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**JE21351-5**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**20-Oct-2025 / 22:42**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
3	3.21	**Chloride**	BMB	104.878	924.399	737.0574
5	5.56	**Sulfate**	BMb	1.109	4.721	10.0463
TOTAL:				105.99	929.12	747.10



Anion/Integration

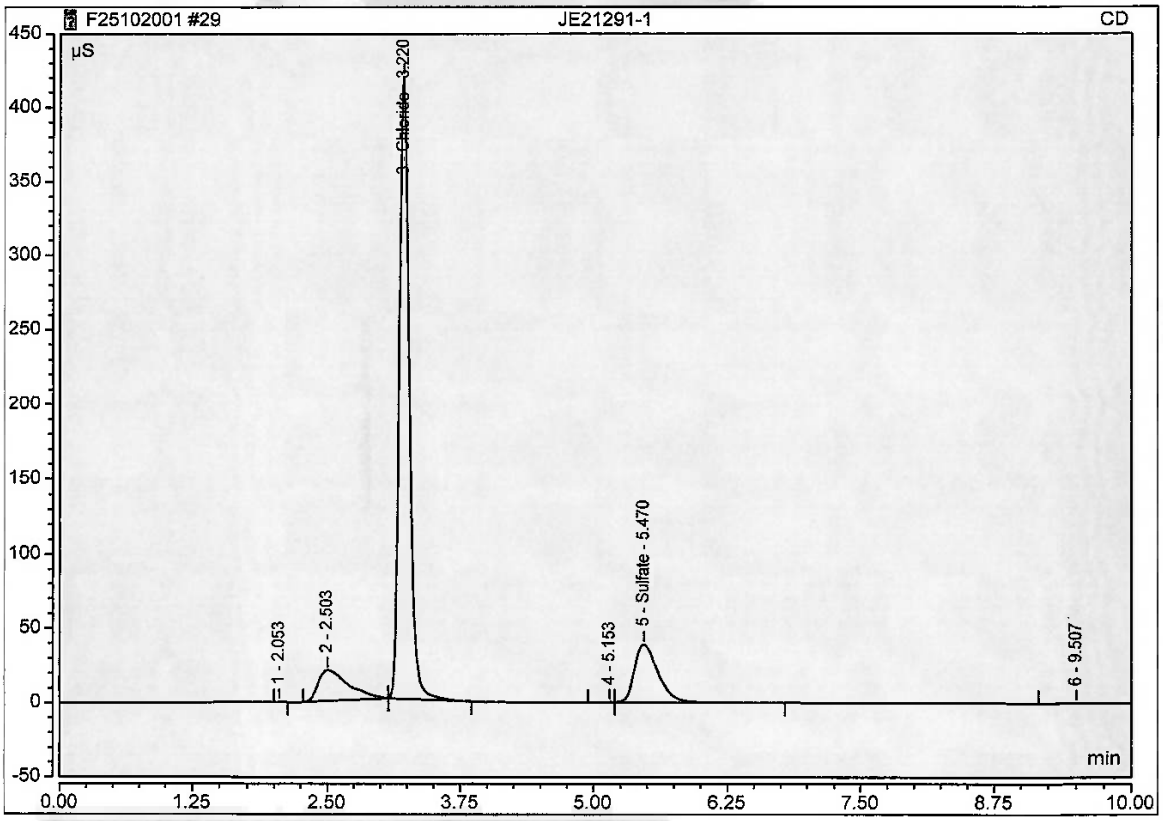
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**JE21291-1**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**20-Oct-2025 / 22:55**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
3	3.22	Chloride	bMB	46.038	418.247	323.6863
5	5.47	Sulfate	MB	10.001	38.864	94.5160
TOTAL:				56.04	457.11	418.20



Anion/Integration

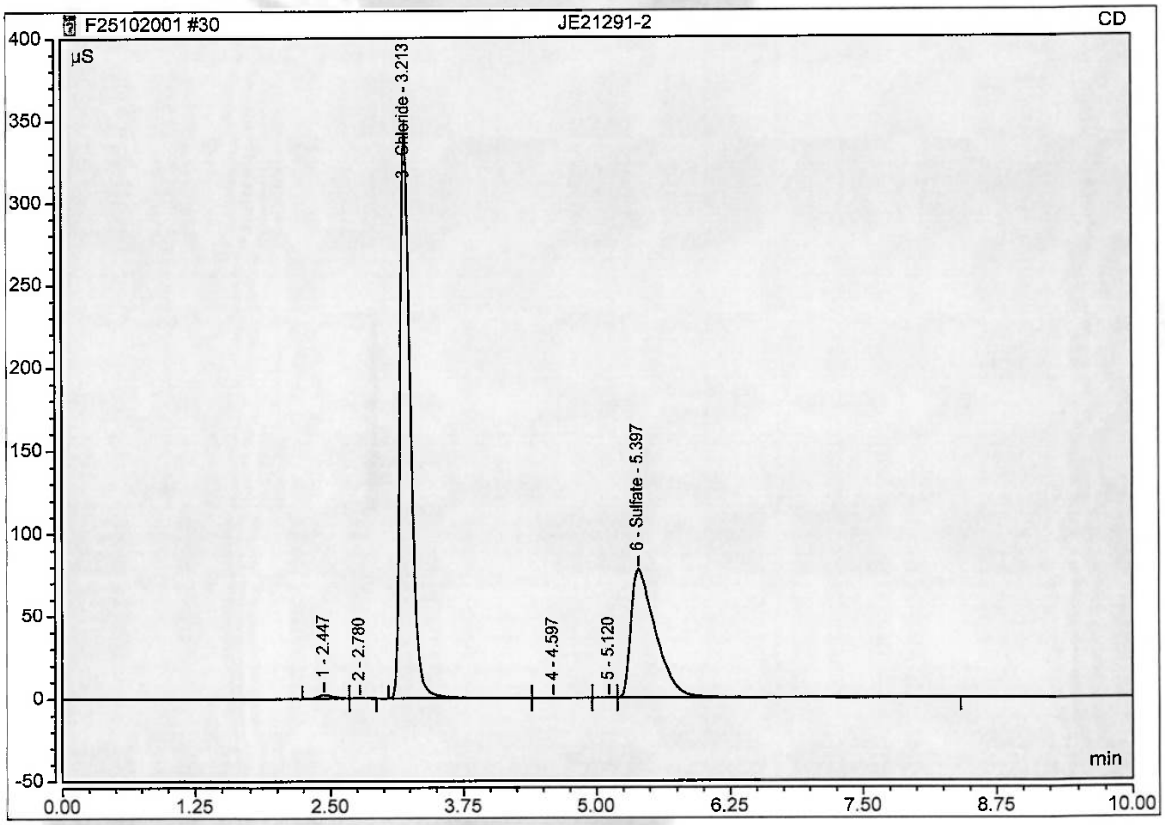
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**JE21291-2**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**5.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**20-Oct-2025 / 23:07**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
3	3.21	Chloride	BMB	39.064	342.188	1373.4605
6	5.40	Sulfate	MB	20.521	77.700	972.3358
TOTAL:				59.59	419.89	2345.80



Anion/Integration

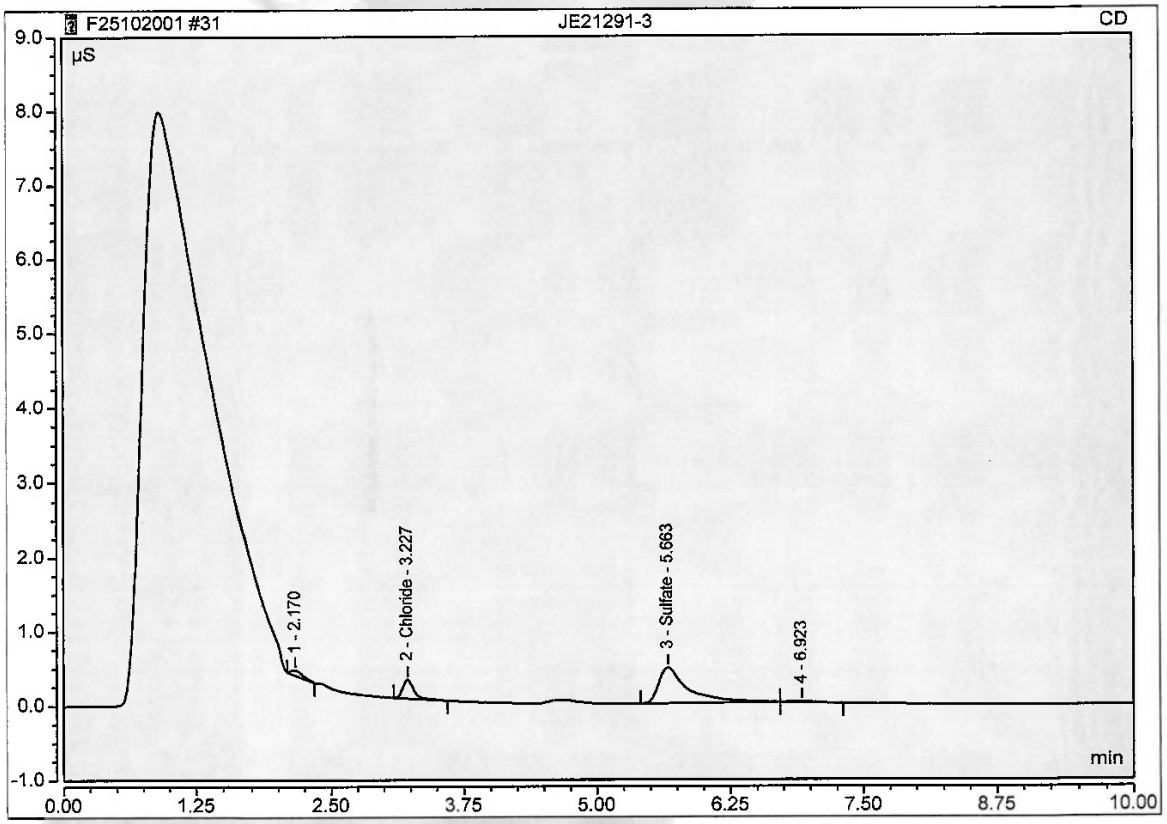
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**JE21291-3**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**20-Oct-2025 / 23:20**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	3.23	Chloride	BMB	0.029	0.256	0.4638
3	5.66	Sulfate	BMb	0.150	0.478	0.9309
		TOTAL:		0.18	0.73	1.39



Anion/Integration

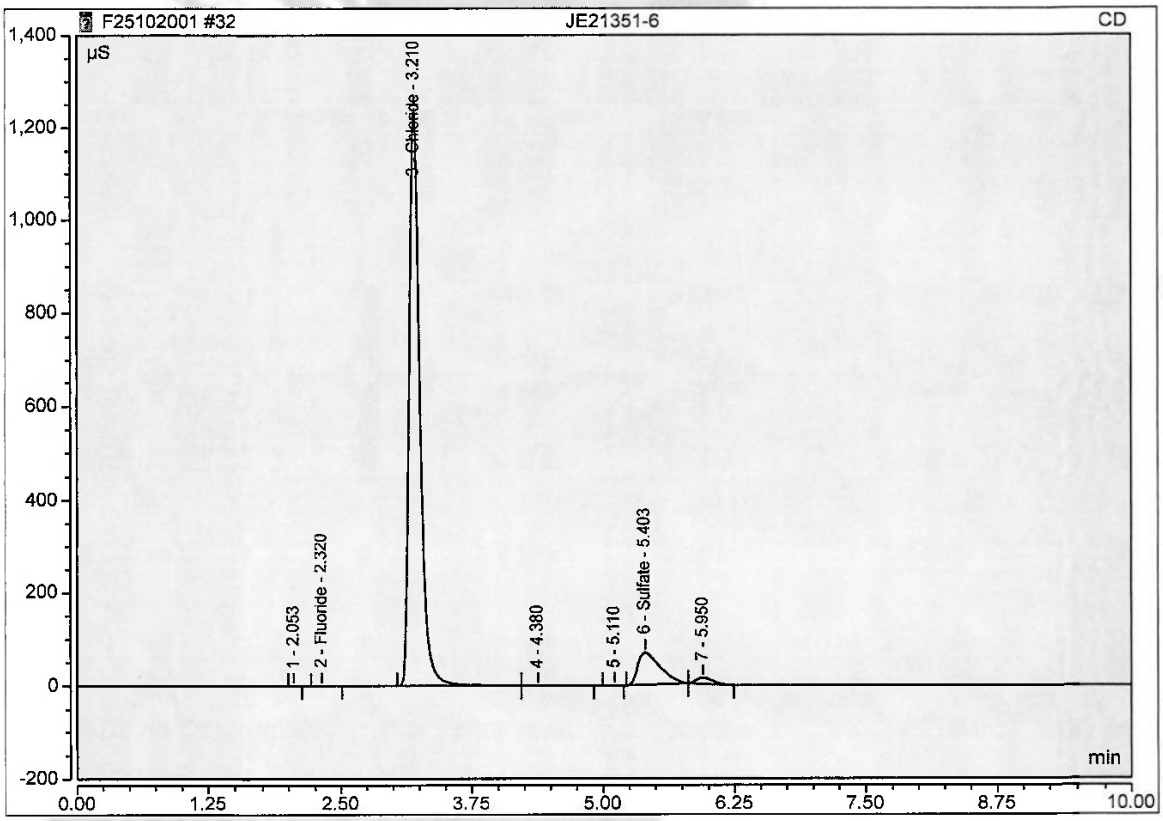
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**JE21351-6**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**20-Oct-2025 / 23:33**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.32	Fluoride	BMB	0.015	0.126	0.0531
3	3.21	Chloride	BMb	146.451	1239.944	1029.1187
6	5.40	Sulfate	BMb	16.918	69.219	160.2322
TOTAL:				163.38	1309.29	1189.40



Anion/Integration

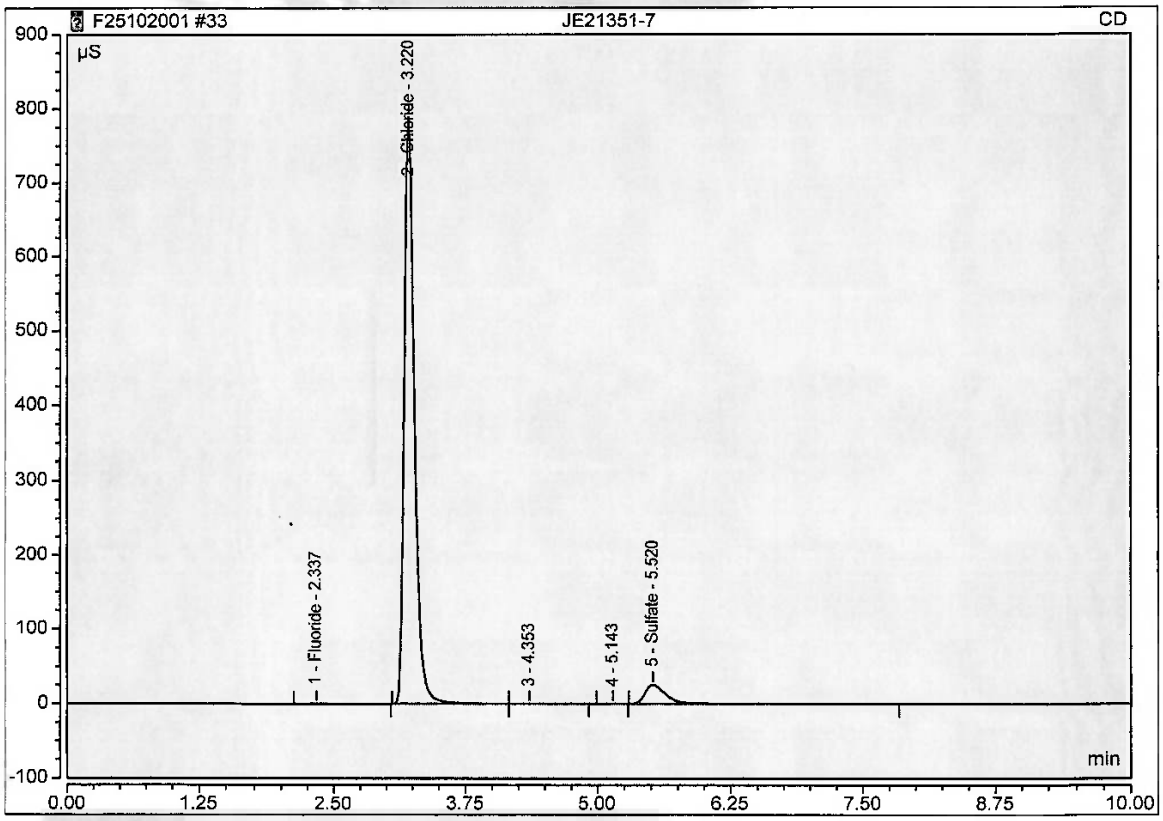
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**JE21351-7**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**20-Oct-2025 / 23:46**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.34	**Fluoride**	BMB	0.072	0.349	0.3118
2	3.22	**Chloride**	BMb	90.406	789.118	635.3825
5	5.52	**Sulfate**	BMB	5.647	25.370	53.1594
		TOTAL:		96.13	814.84	688.85



Anion/Integration

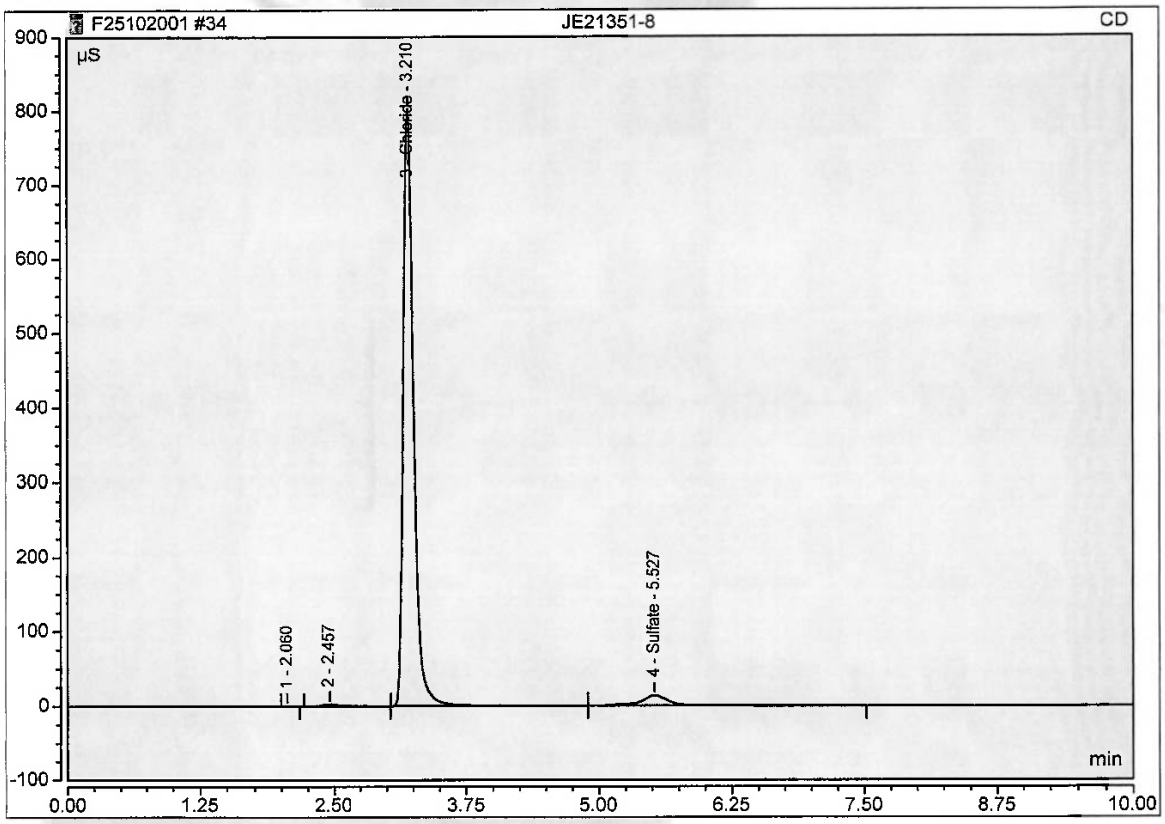
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**JE21351-8**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**20-Oct-2025 / 23:59**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
3	3.21	Chloride	BMb	91.533	802.466	643.3045
4	5.53	Sulfate	bMB	3.927	13.454	36.8190
TOTAL:				95.46	815.92	680.12



Anion/Integration

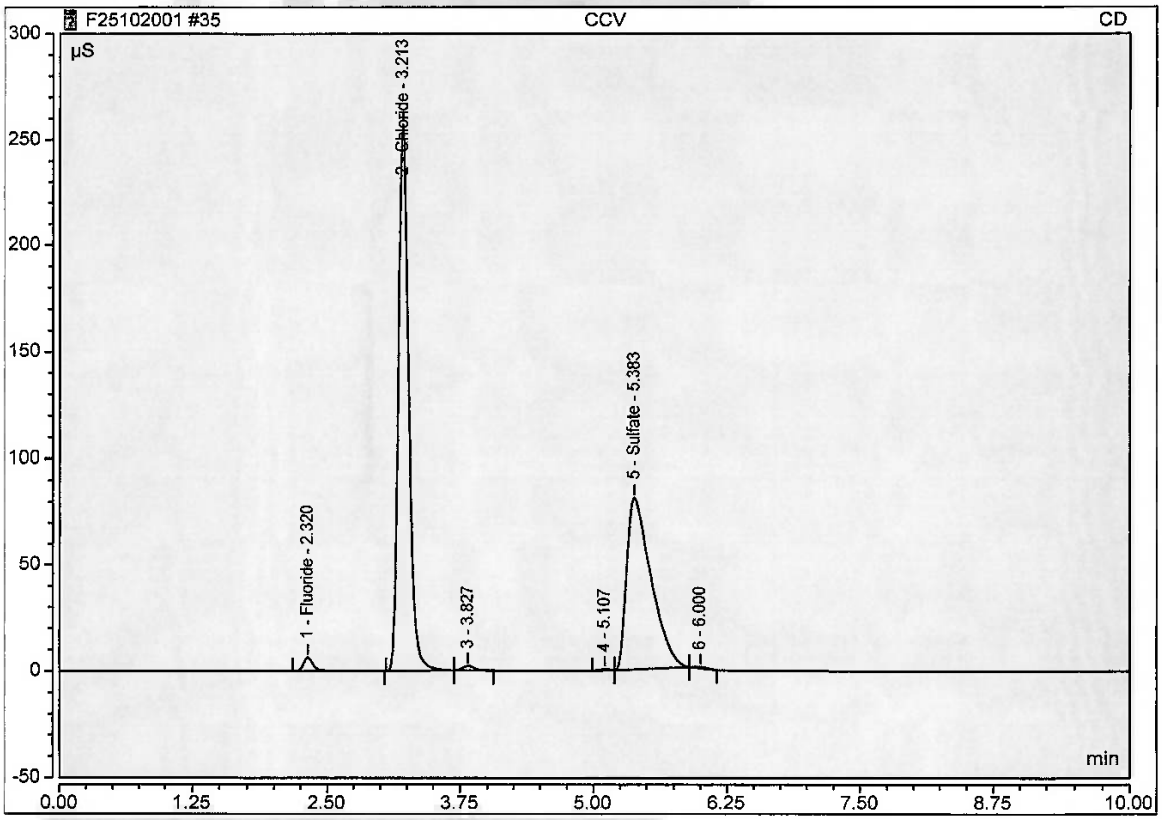
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**CCV**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**21-Oct-2025 / 00:12**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.32	Fluoride	BMB	0.723	6.440	3.2861
2	3.21	Chloride	BMb	29.481	257.252	207.3676
5	5.38	Sulfate	Mb	21.265	80.918	201.5357
TOTAL:				51.47	344.61	412.19



Anion/Integration

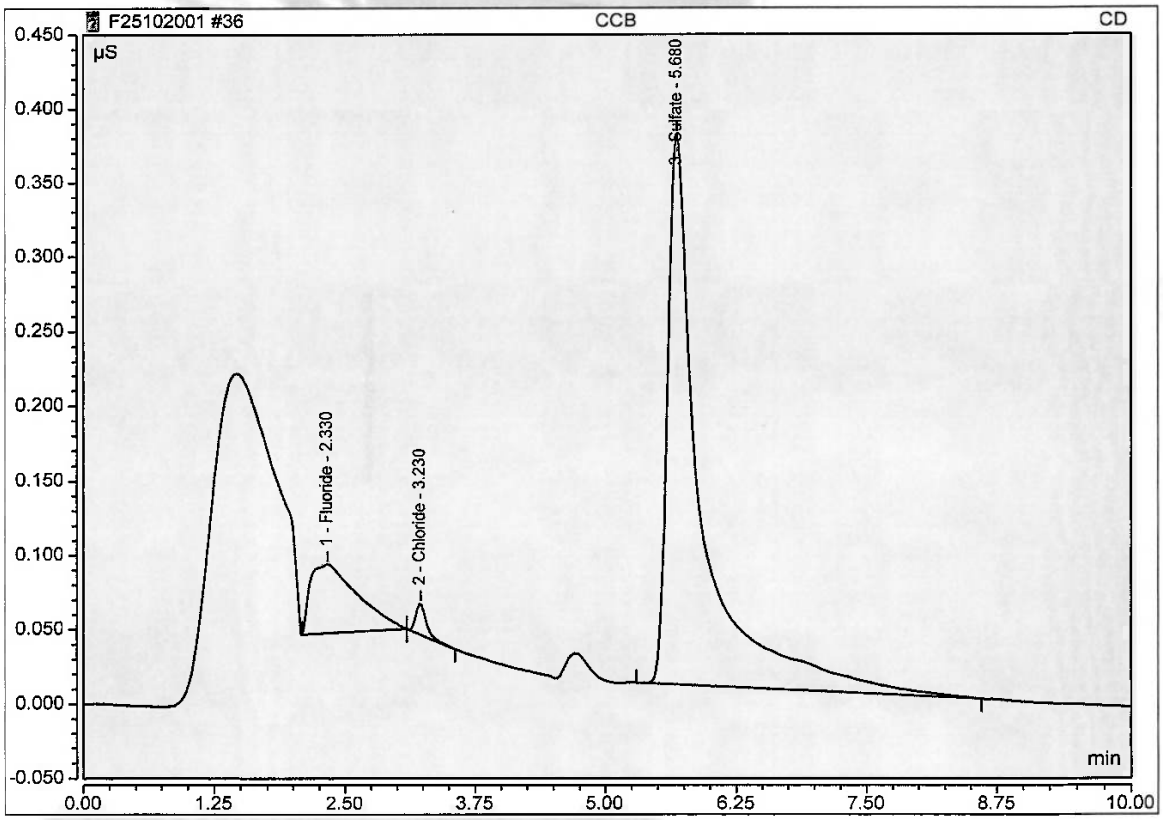
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**CCB**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**21-Oct-2025 / 00:25**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.33	Fluoride	BMb	0.024	0.046	0.0932
2	3.23	Chloride	bMB	0.002	0.021	0.2747
3	5.68	Sulfate	BMB	0.140	0.369	0.8368
TOTAL:				0.17	0.44	1.20



Anion/Integration

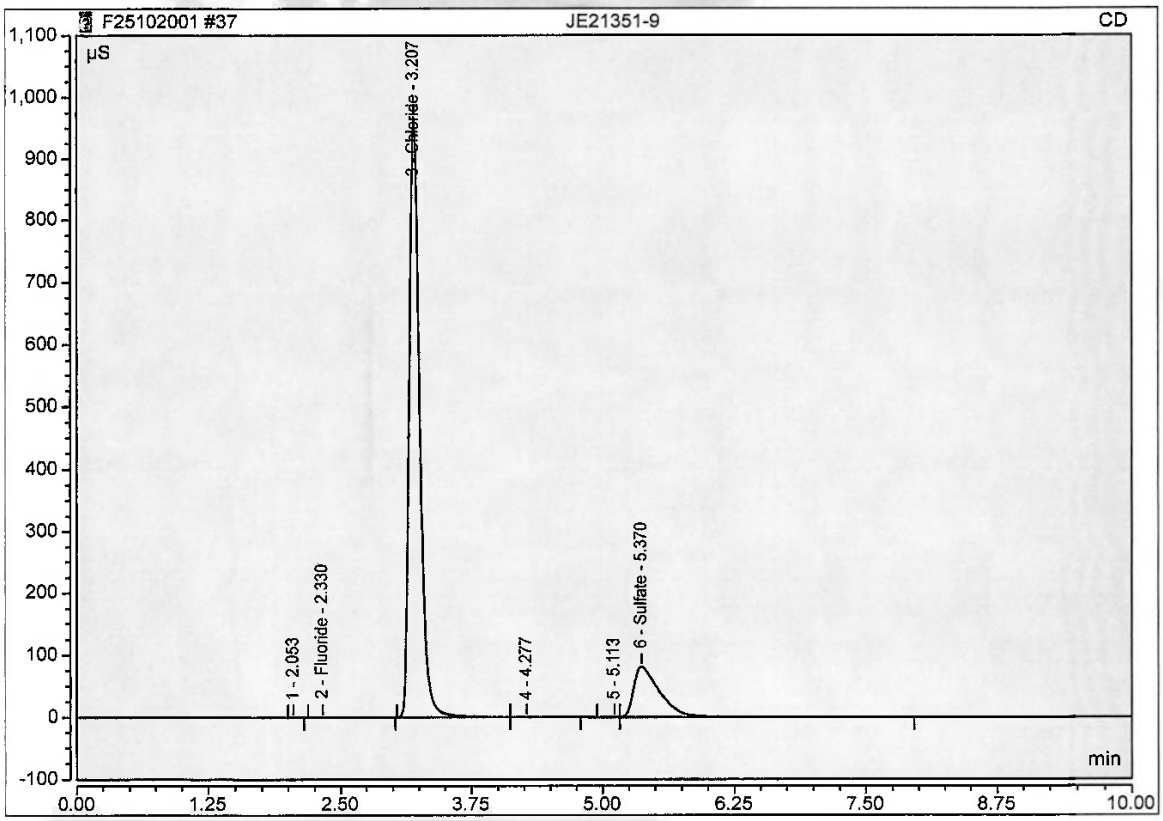
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**JE21351-9**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**21-Oct-2025 / 00:38**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.33	**Fluoride**	BMB	0.015	0.057	0.0525
3	3.21	**Chloride**	BMb	112.770	967.594	792.4985
6	5.37	**Sulfate**	MB	22.816	80.693	216.2681
		TOTAL:		135.60	1048.34	1008.82



Anion/Integration

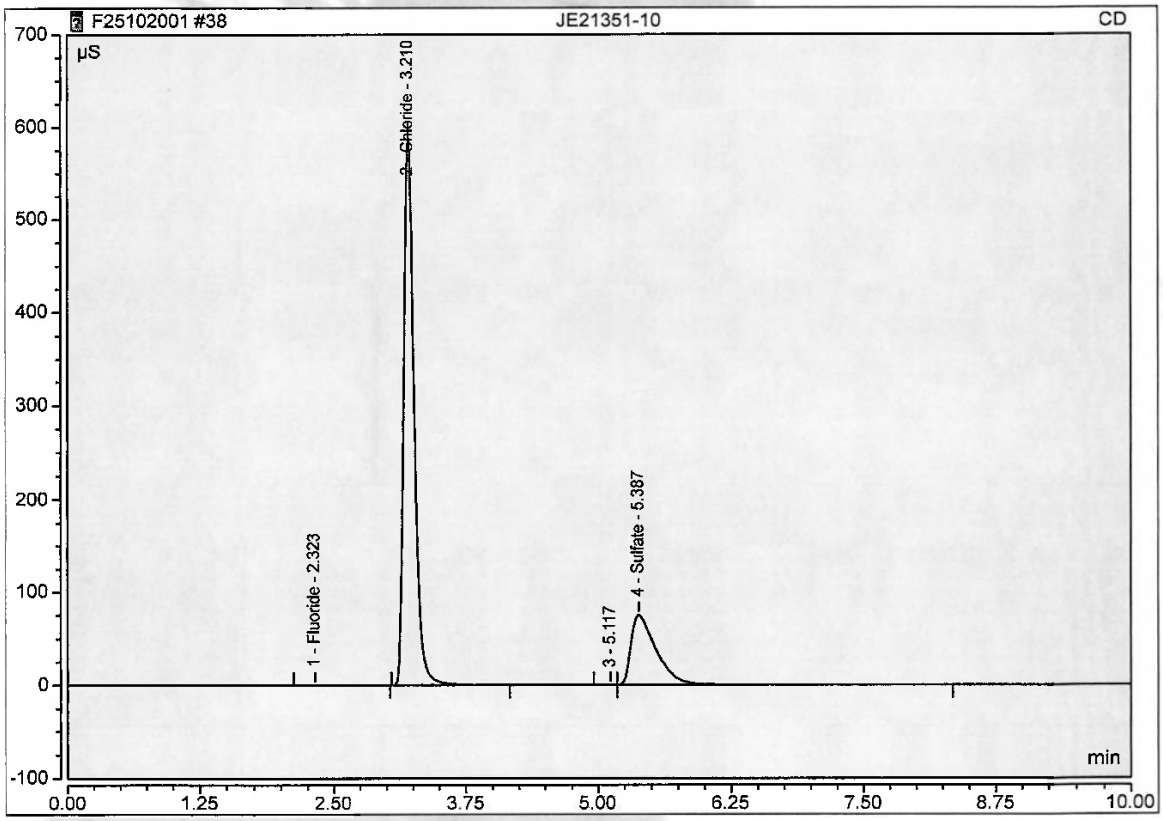
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**JE21351-10**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**21-Oct-2025 / 00:51**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.32	Fluoride	BMB	0.034	0.161	0.1388
2	3.21	Chloride	BMB	68.620	590.196	482.3285
4	5.39	Sulfate	MB	20.349	74.954	192.8345
TOTAL:				89.00	665.31	675.30



Anion/Integration

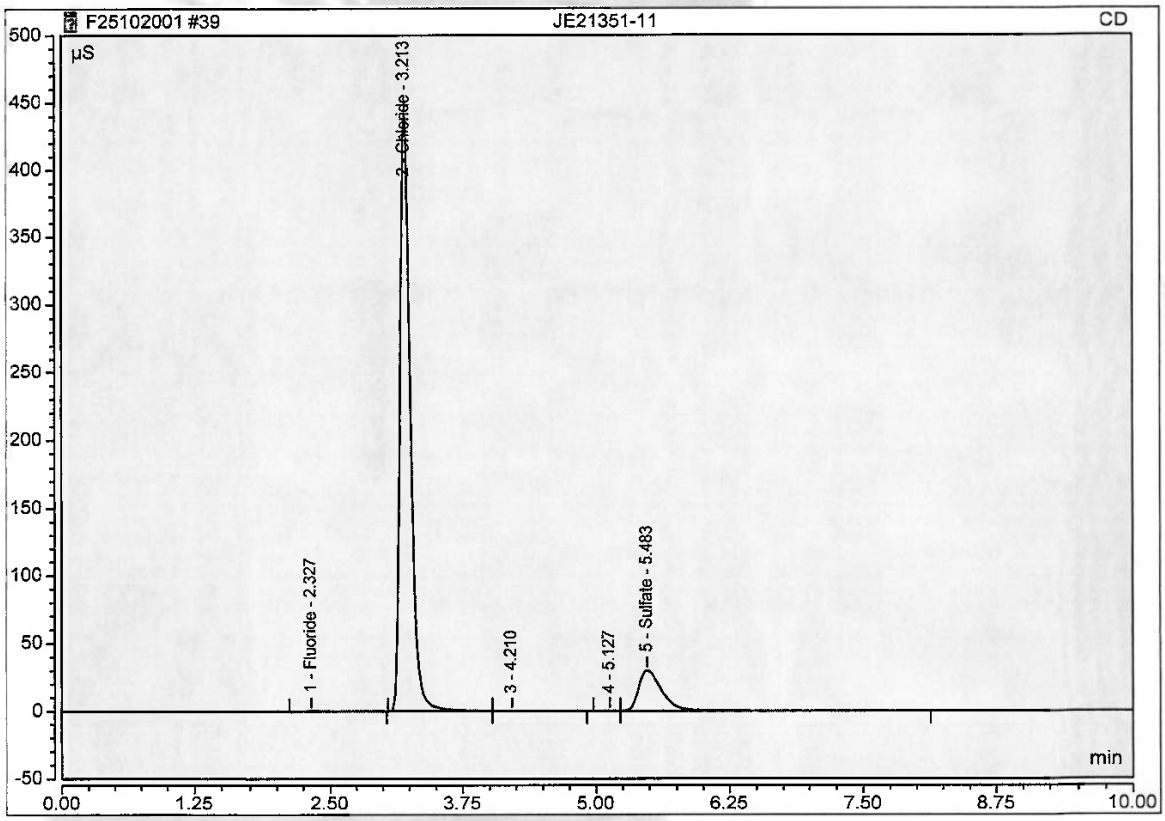
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**JE21351-11**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**21-Oct-2025 / 01:04**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.33	Fluoride	BMB	0.062	0.341	0.2650
2	3.21	Chloride	BMb	50.291	442.128	353.5656
5	5.48	Sulfate	MB	7.349	29.742	69.3251
TOTAL:				57.70	472.21	423.16



Anion/Integration

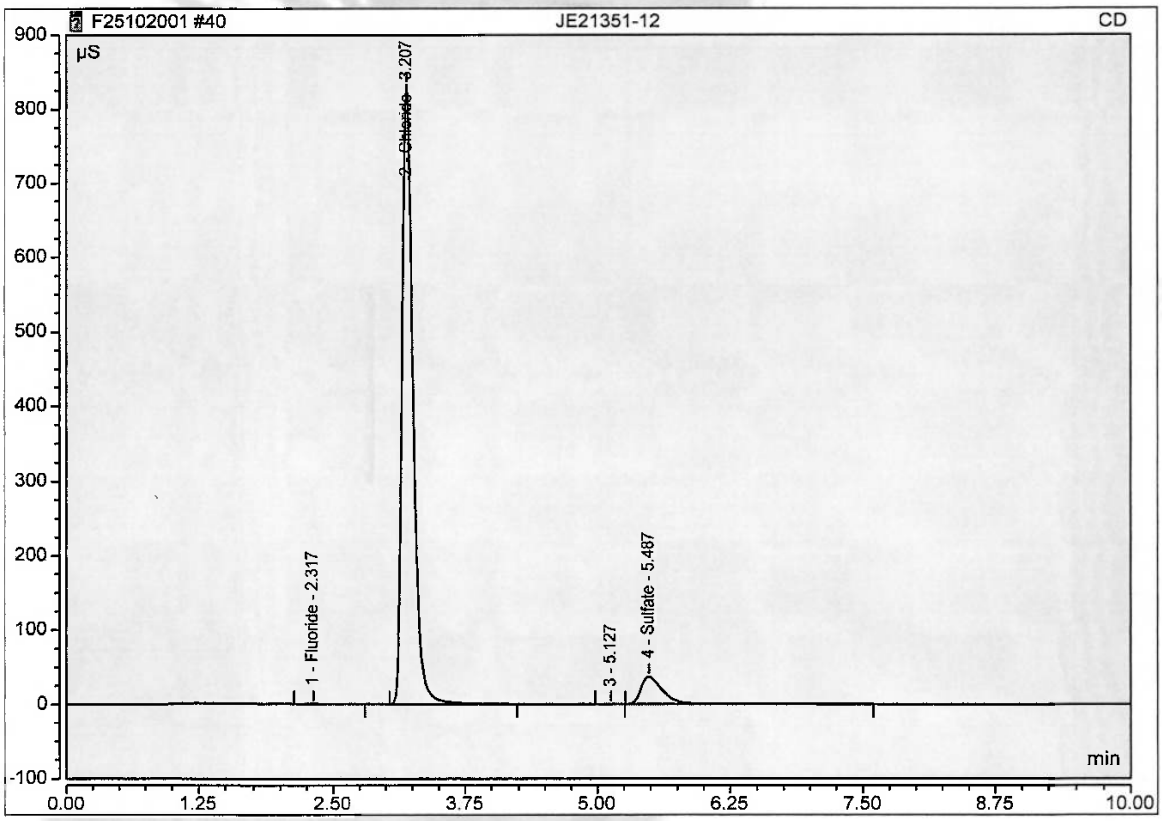
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**JE21351-12**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**21-Oct-2025 / 01:17**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.32	Fluoride	BMB	0.029	0.124	0.1127
2	3.21	Chloride	BMB	99.123	831.987	696.6237
4	5.49	Sulfate	BMB	8.512	36.806	80.3782
TOTAL:				107.66	868.92	777.11



Anion/Integration

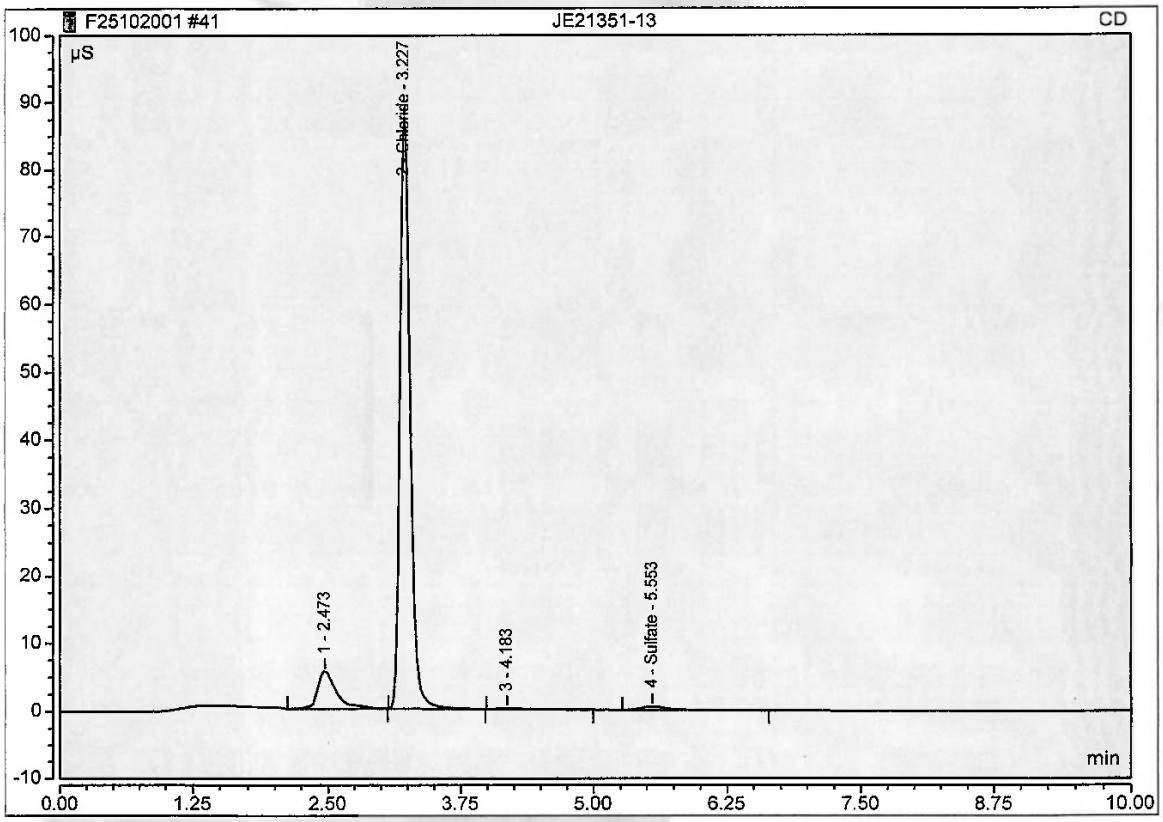
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**JE21351-13**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**21-Oct-2025 / 01:30**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	3.23	Chloride	BMB	9.642	87.369	67.9984
4	5.55	Sulfate	BMB	0.137	0.516	0.8123
TOTAL:				9.78	87.89	68.81



Anion/Integration

Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

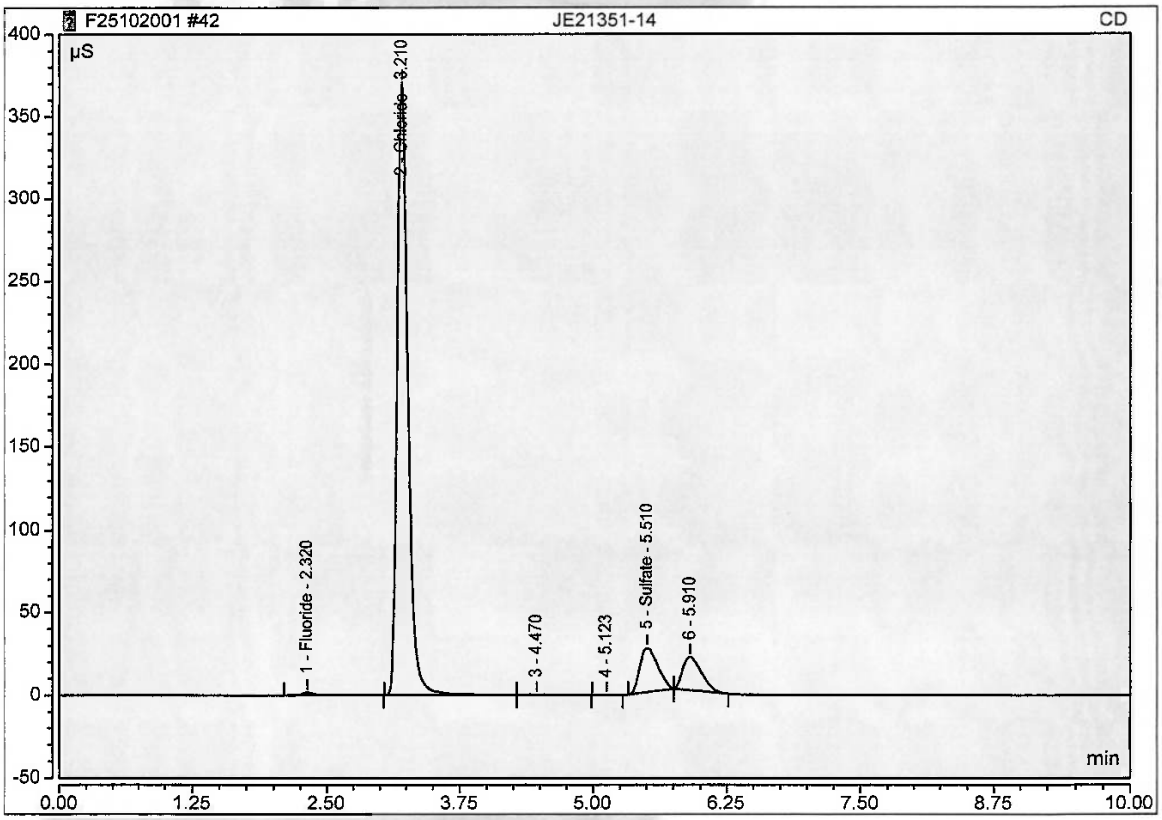
17.6
17

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**JE21351-14**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**21-Oct-2025 / 01:43**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.32	Fluoride	BMB	0.222	1.609	0.9986
2	3.21	Chloride	BMb	44.123	370.549	310.2326
5	5.51	Sulfate	BMB	5.207	26.741	48.9783
		TOTAL:		49.55	398.90	360.21



Anion/Integration

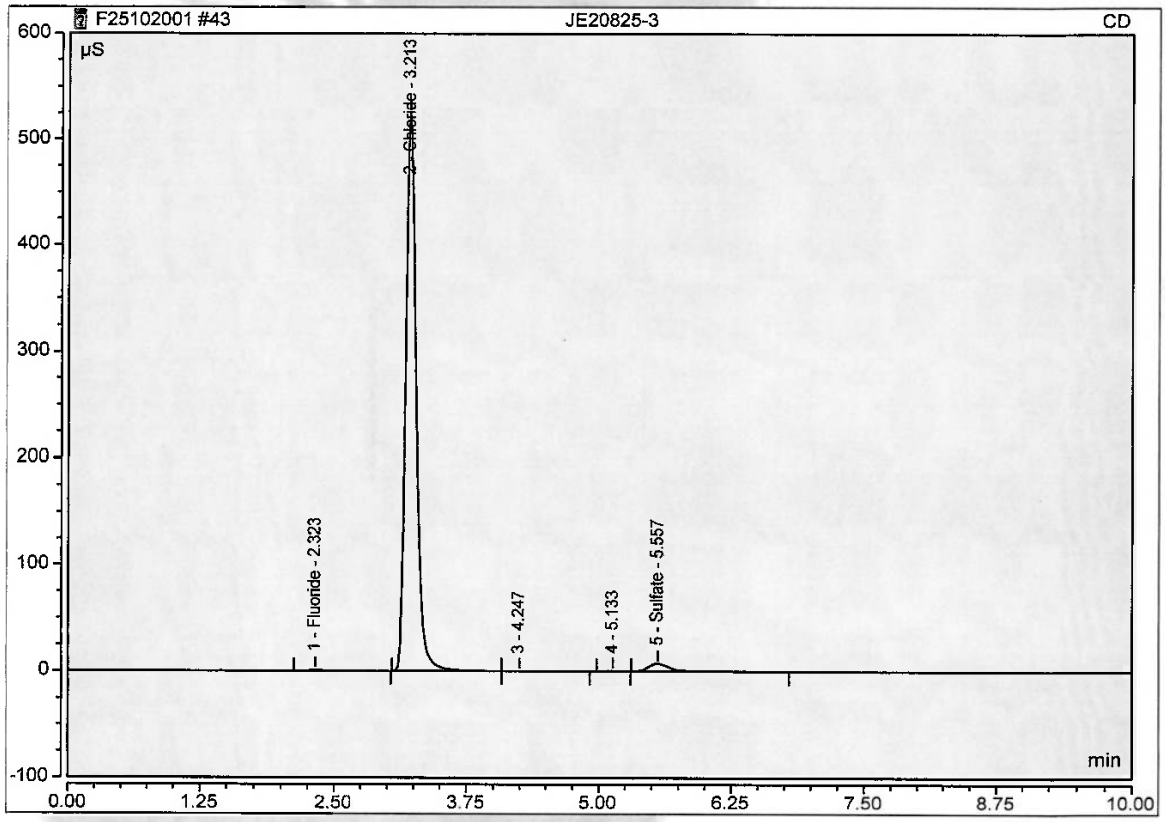
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**JE20825-3**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**21-Oct-2025 / 01:55**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.32	**Fluoride**	BMB	0.148	1.031	0.6571
2	3.21	**Chloride**	BMb	61.925	524.503	435.2991
5	5.56	**Sulfate**	BMB	1.674	7.258	15.4068
		TOTAL:		63.75	532.79	451.36



Anion/Integration

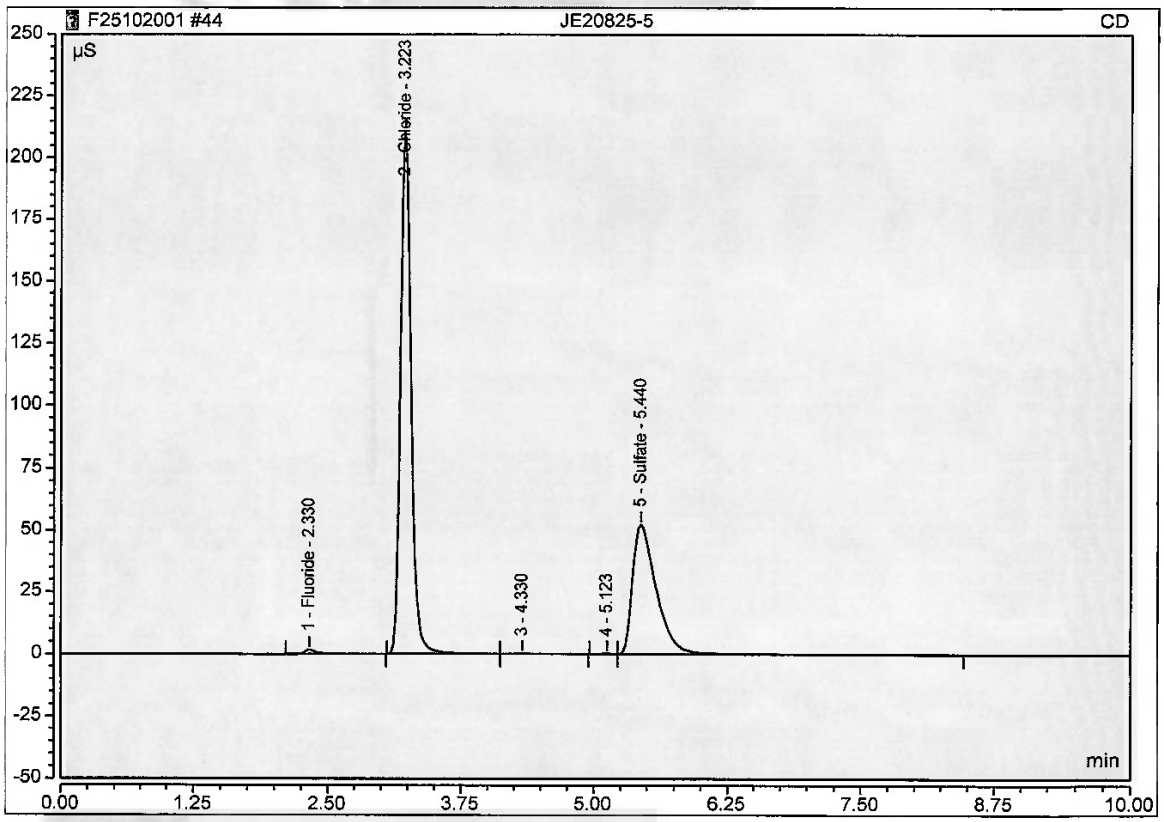
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**JE20825-5**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**21-Oct-2025 / 02:08**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.33	Fluoride	BMB	0.229	1.665	1.0305
2	3.22	Chloride	BMb	24.626	210.998	173.2612
5	5.44	Sulfate	MB	13.499	52.380	127.7496
TOTAL:				38.35	265.04	302.04



Anion/Integration

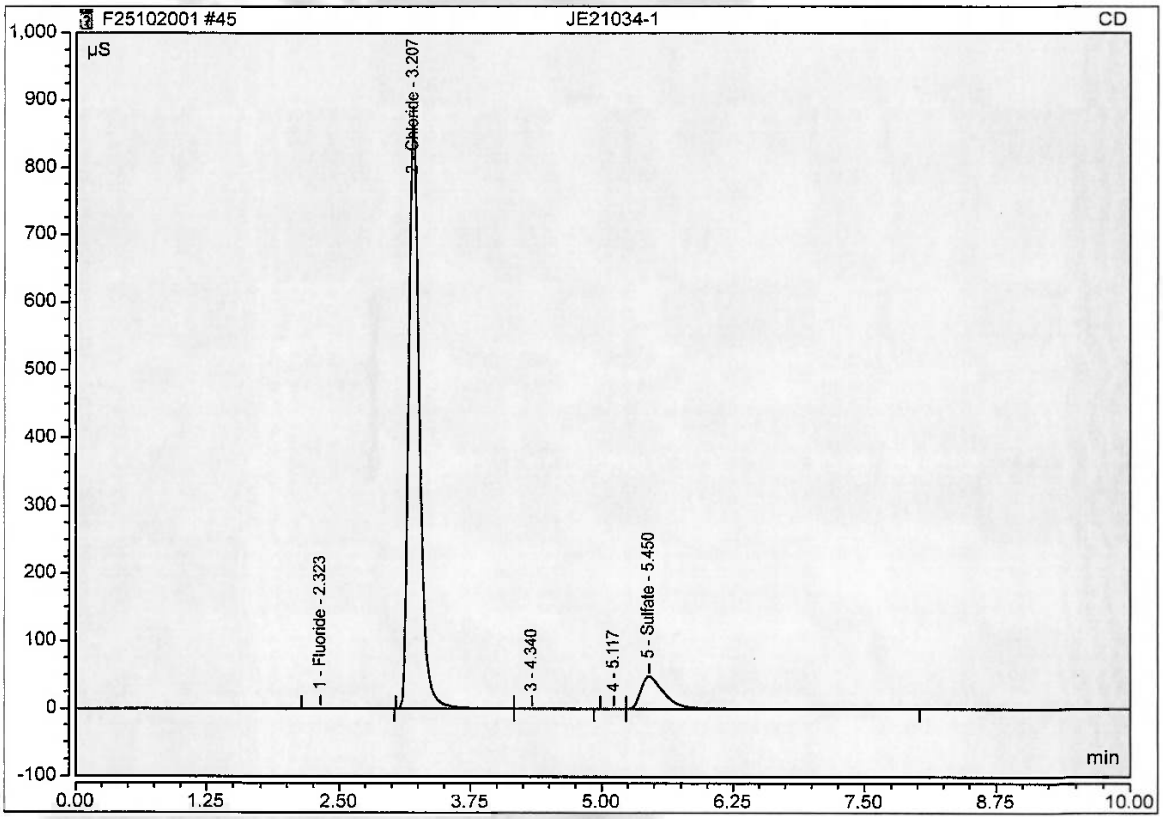
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**JE21034-1**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**21-Oct-2025 / 02:21**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.32	Fluoride	BMB	0.074	0.444	0.3220
2	3.21	Chloride	BMb	105.668	872.028	742.6044
5	5.45	Sulfate	BMB	12.018	47.616	113.6825
		TOTAL:		117.76	920.09	856.61



Anion/Integration

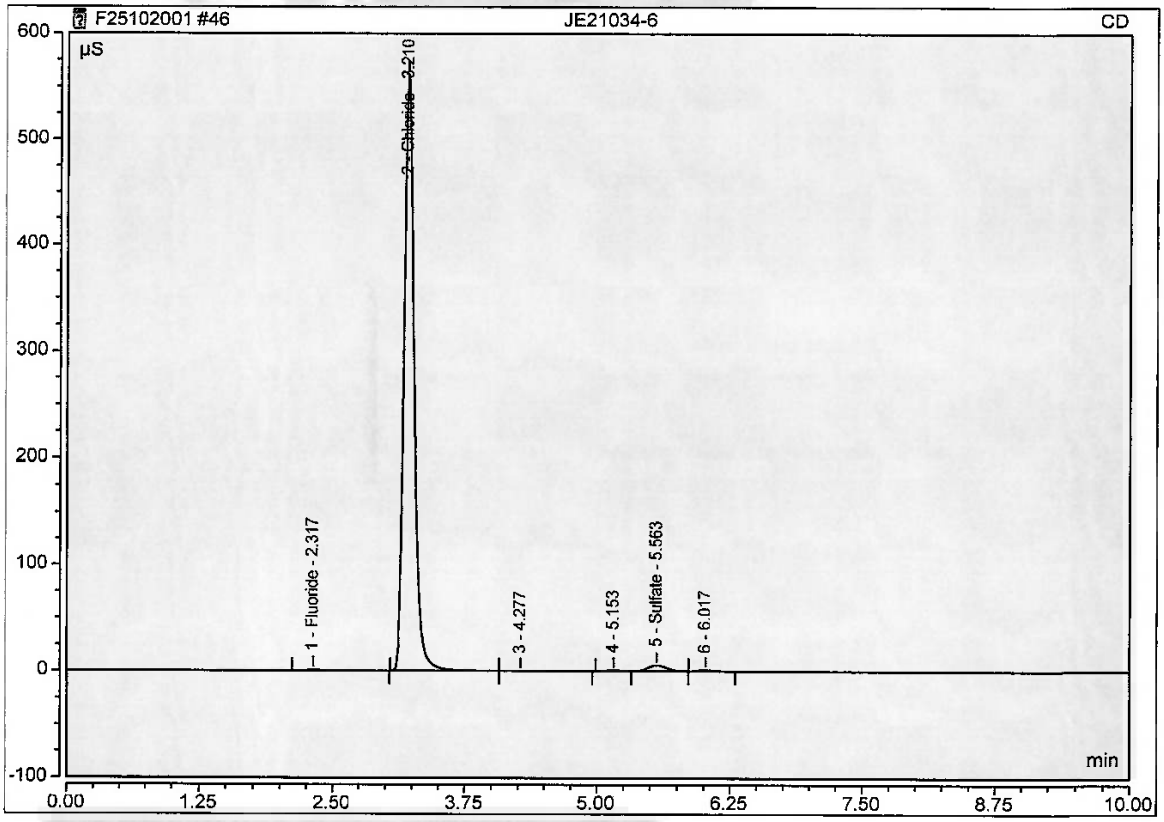
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**JE21034-6**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**21-Oct-2025 / 13:23**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.32	Fluoride	BMB	0.163	1.266	0.7288
2	3.21	Chloride	BMb	63.237	561.660	444.5140
5	5.56	Sulfate	BMB	1.132	5.552	10.2622
TOTAL:				64.53	568.48	455.51



Anion/Integration

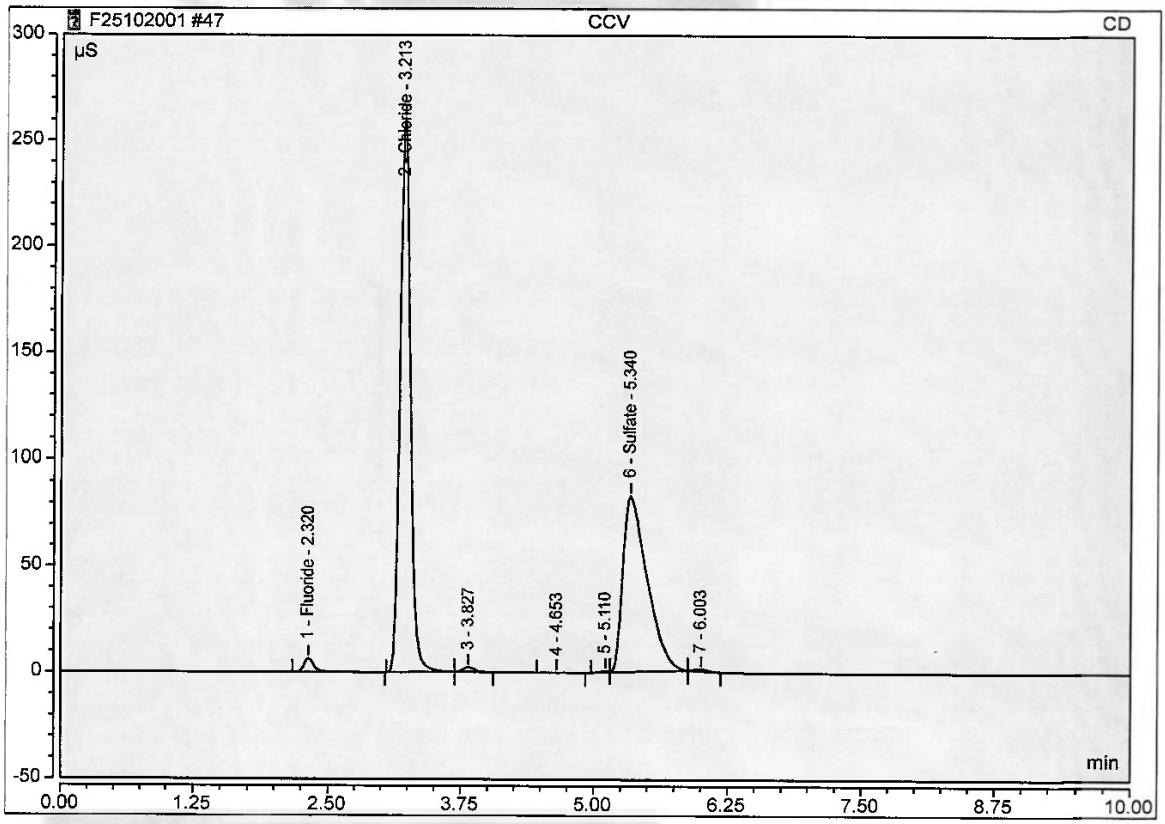
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**CCV**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**21-Oct-2025 / 13:36**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.32	Fluoride	BMB	0.725	6.539	3.2968
2	3.21	Chloride	BMb	29.550	260.838	207.8513
6	5.34	Sulfate	Mb	21.782	82.933	206.4462
		TOTAL:		52.06	350.31	417.59



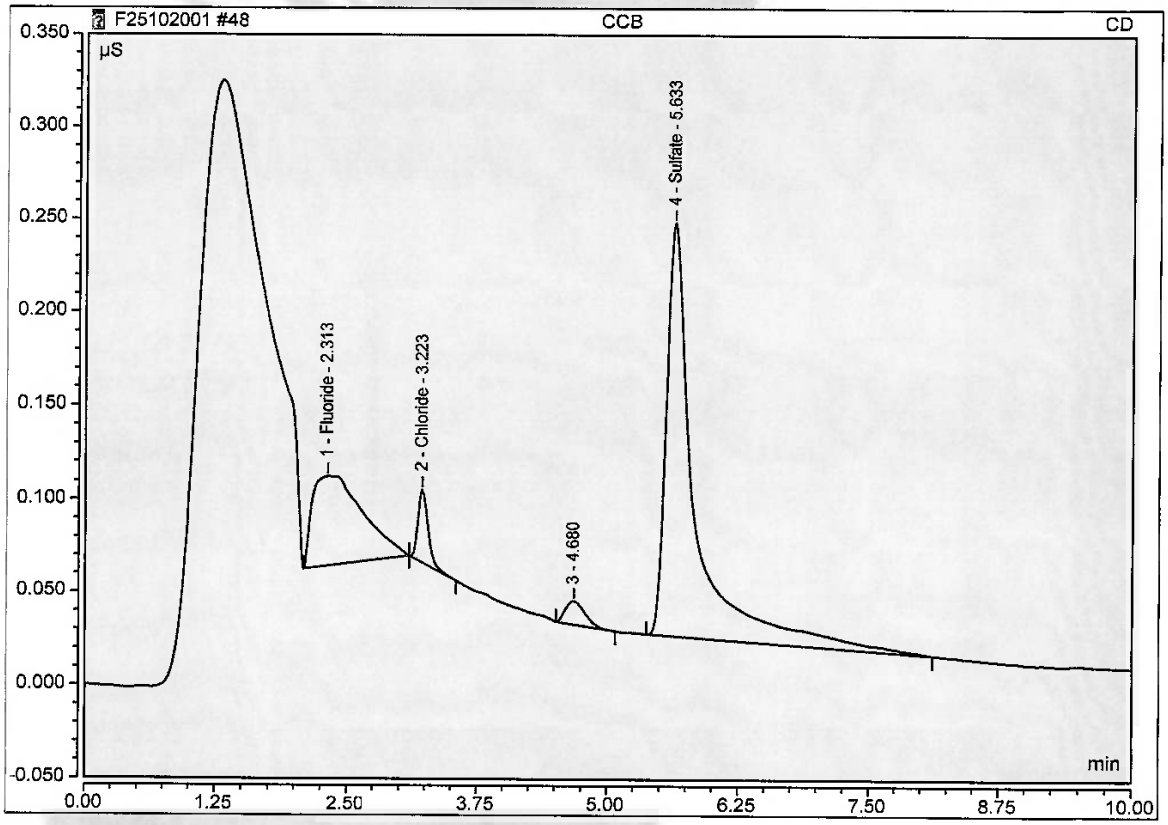
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**CCB**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**21-Oct-2025 / 13:52**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.31	Fluoride	BMb	0.027	0.048	0.1051
2	3.22	Chloride	bMB	0.004	0.039	0.2885
4	5.63	Sulfate	BMB	0.072	0.221	0.1898
TOTAL:				0.10	0.31	0.58



Anion/Integration

Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

LABORATORY REVIEW SIGNATURE FORM
(To be stored with the raw data)

File ID: D102725W1.NO32 Date Analyzed: 10/27/25 Methods: EPA 353.2 M/LACHAT, EPA 353.2/LACHAT
Analyst: JD Run ID: GN75322

The following analyst(s) have reviewd this run and attest that, to the best of their knowledge, this documentation is complete and correct:

Analyst: JD Date 10/27/25

Analyst: _____ Date _____

Analyst: _____ Date _____

Analyst: _____ Date _____

Analyst: _____ Date _____

Analyst: _____ Date _____

Analyst: _____ Date _____

The following supervisor or their designee has reviewed this run and attests that, to the best of their knowledge, this documentation is complete and correct:

Supervisor (or designee): _____ Date _____

Author: Chemistry

Date : 10/27/2025

Original Run Filename: OM_10-27-2025_06-51-46PM.OMN Created: 10/27/2025 6:51:46 PM
Original Run Author's Signature: [Chemistry]
Current Run Filename: OM_10-27-2025_06-51-46PM.OMN Last Modified: 10/27/2025 9:50:52 PM
Current Run Author's Signature: [Chemistry]
Description: Default New Run

NO32
GN75322
d 102725 01.NO32

Sample	Rep.	Cup No.	Channel 2 NO32 (mg/L)	Detection Time	MDF
STDA	1	S1	5.00	10/27/2025@6:52:38 PM	
STDB	1	S2	4.00	10/27/2025@6:53:45 PM	
STDC	1	S3	2.50	10/27/2025@6:54:52 PM	
STDD	1	S4	1.00	10/27/2025@6:56:00 PM	
STDE	1	S5	0.500	10/27/2025@6:57:08 PM	
STDF	1	S6	0.200	10/27/2025@6:58:14 PM	
STDG	1	S7	0.100	10/27/2025@6:59:21 PM	
STDH	1	S10	0.00	10/27/2025@7:00:29 PM	
CONF	1	1	2.27	10/27/2025@7:01:37 PM	
	Known Conc:		2.00		
CONF	1	2	1.65	10/27/2025@7:02:45 PM	
	Known Conc:		2.00		
CONF	1	3	0.0143	10/27/2025@7:03:53 PM	
	Known Conc:		0.00		
CONF	1	1	1.54	10/27/2025@7:05:01 PM	
	Known Conc:		2.00		
LBSPCONF	1	S7	0.106	10/27/2025@7:06:07 PM	
EFFCHK	1	1	2.04	10/27/2025@7:07:34 PM	
	Known Conc:		2.00		
ICV	1	2	1.82	10/27/2025@7:08:42 PM	
	Known Conc:		2.00		
ICB	1	3	0.0122	10/27/2025@7:09:50 PM	
	Known Conc:		0.00		
CCV	1	S9	2.43	10/27/2025@7:10:58 PM	
	Known Conc:		2.50		
CCB	1	S10	0.0117	10/27/2025@7:12:06 PM	
	Known Conc:		0.00		
GP65046-MB1	1	4	0.0162	10/27/2025@7:13:13 PM	
GP65046-B1	1	5	1.95	10/27/2025@7:14:21 PM	
GP65046-D1	1	6	4.34	10/27/2025@7:15:29 PM	
JD76649-2P	1	7	4.29	10/27/2025@7:16:36 PM	
OLDPECONF	1	8	6.83	10/27/2025@7:17:43 PM	
GP65048-MB1	1	9	3.87e-3	10/27/2025@7:18:51 PM	
GP65048-B1	1	10	1.97	10/27/2025@7:19:58 PM	
GP65048-S1	1	11	1.66	10/27/2025@7:21:05 PM	
GP65048-S2	1	12	1.70	10/27/2025@7:22:12 PM	
GP65048-D1	1	13	8.67e-3	10/27/2025@7:23:19 PM	
CCV	1	S9	2.37	10/27/2025@7:24:26 PM	
	Known Conc:		2.50		
CCB	1	S10	0.0134	10/27/2025@7:25:34 PM	
	Known Conc:		0.00		
JE20825-1	1	14	9.27e-3	10/27/2025@7:26:40 PM	
JE20825-3	1	15	0.0273	10/27/2025@7:27:47 PM	
LB21377-1	1	16	1.22	10/27/2025@7:28:55 PM	
LB21377-2	1	17	1.47	10/27/2025@7:30:03 PM	
LB21377-3	1	18	1.15	10/27/2025@7:31:11 PM	
LB21377-4	1	19	0.857	10/27/2025@7:32:19 PM	
LB21377-5	1	20	0.0528	10/27/2025@7:33:26 PM	
LB21377-6	1	21	0.0694	10/27/2025@7:34:34 PM	
LB21377-7	1	22	0.0718	10/27/2025@7:35:41 PM	
LB21377-8	1	23	0.200	10/27/2025@7:36:49 PM	
CCV	1	S9	2.47	10/27/2025@7:37:56 PM	
	Known Conc:		2.50		
CCB	1	S10	0.0118	10/27/2025@7:39:04 PM	
	Known Conc:		0.00		
LB21377-9	1	24	0.174	10/27/2025@7:40:11 PM	
JE20825-5	1	25	0.0198	10/27/2025@7:41:18 PM	
JE20843-2	1	26	6.29	10/27/2025@7:42:25 PM	
JE20843-4	1	27	8.41	10/27/2025@7:43:32 PM	
JE20843-6	1	28	3.08	10/27/2025@7:44:39 PM	

wrong injection

102 %.

91 %.

95.2 %.

98.5 %.

94.8 %.

98.8

17.7

17

Author: Chemistry

Date : 10/27/2025

JE20843-7	1	29	11.3	10/27/2025@7:45:46 PM	
LB21231-1	1	30	0.102	10/27/2025@7:46:52 PM	
LB21233-1	1	31	2.62	10/27/2025@7:48:00 PM	
JE21034-1	1	32	0.0402	10/27/2025@7:49:08 PM	
JE21034-6	1	33	0.575	10/27/2025@7:50:16 PM	
CCV	1	S9	2.37	10/27/2025@7:51:24 PM	94.8%
	Known Conc:		2.50		
CCB	1	S10	0.0123	10/27/2025@7:52:31 PM	
	Known Conc:		0.00		
GP65053-MB1	1	34	0.0175	10/27/2025@7:53:39 PM	
GP65053-B1	1	35	1.96	10/27/2025@7:54:46 PM	98%
GP65053-S1	1	36	1.75	10/27/2025@7:55:54 PM	
GP65053-S2	1	37	1.93	10/27/2025@7:57:01 PM	
GP65053-D1	1	38	0.0374	10/27/2025@7:58:09 PM	
JE21412-1	1	39	0.0372	10/27/2025@7:59:16 PM	
JE21412-2	1	40	0.0133	10/27/2025@8:00:23 PM	
	Calibration:		Table/Fig. : 1		
JE21412-3	1	41	0.0344	10/27/2025@8:01:30 PM	
JE21412-4	1	42	0.0222	10/27/2025@8:02:37 PM	
JE21412-5	1	43	0.0225	10/27/2025@8:03:44 PM	
CCV	1	S9	2.59	10/27/2025@8:04:51 PM	103.6%
	Known Conc:		2.50		
CCB	1	S10	0.0164	10/27/2025@8:05:59 PM	
	Known Conc:		0.00		
LB21439-1	1	44	0.0166	10/27/2025@8:07:05 PM	
JE21570-1	1	45	4.58	10/27/2025@8:08:12 PM	
JE21570-3	1	46	0.0132	10/27/2025@8:09:20 PM	
JE21570-5	1	47	16.7	10/27/2025@8:10:28 PM	
JE21570-7	1	48	1.29	10/27/2025@8:11:36 PM	
DA76226-1	1	49	0.0283	10/27/2025@8:12:44 PM	
DA76226-2	1	50	0.0735	10/27/2025@8:13:52 PM	
DA76226-3	1	51	0.0629	10/27/2025@8:14:59 PM	
DA76226-4	1	52	0.0431	10/27/2025@8:16:07 PM	
DA76226-5	1	53	0.255	10/27/2025@8:17:14 PM	
CCV	1	S9	2.71	10/27/2025@8:18:22 PM	108.4%
	Known Conc:		2.50		
CCB	1	S10	0.0161	10/27/2025@8:19:30 PM	
	Known Conc:		0.00		
DA76226-6	1	54	0.0596	10/27/2025@8:20:37 PM	
DA76226-7	1	55	0.0227	10/27/2025@8:21:44 PM	
DA76226-8	1	56	0.114	10/27/2025@8:22:51 PM	
LB21212-1	1	57	0.636	10/27/2025@8:23:58 PM	
DA76438-1	1	58	0.223	10/27/2025@8:25:04 PM	
GP65054-MB1	1	59	0.0172	10/27/2025@8:26:11 PM	
CONF	1	60	3.55	10/27/2025@8:27:18 PM	
GP65054-S1	1	61	1.98	10/27/2025@8:28:26 PM	
GP65054-D1	1	62	0.0899	10/27/2025@8:29:34 PM	
DA76441-1	1	63	0.0890	10/27/2025@8:30:42 PM	
CCV	1	S9	2.63	10/27/2025@8:31:50 PM	105.2%
	Known Conc:		2.50		
CCB	1	S10	0.0137	10/27/2025@8:32:57 PM	
	Known Conc:		0.00		
GP65054-B1	1	60	1.97	10/27/2025@8:34:04 PM	98.5%
JE21208-1	1	64	0.0150	10/27/2025@8:35:12 PM	
JE21607-1	1	65	8.49	10/27/2025@8:36:20 PM	
JE21608-1	1	66	3.47	10/27/2025@8:37:27 PM	
JE21609-1	1	67	3.63	10/27/2025@8:38:35 PM	
JE21706-1	1	68	0.0508	10/27/2025@8:39:42 PM	
JE21706-2	1	69	0.0542	10/27/2025@8:40:49 PM	
JE21706-3	1	70	0.350	10/27/2025@8:41:56 PM	
GP65055-MB1	1	71	0.0145	10/27/2025@8:43:03 PM	
GP65055-B1	1	72	1.89	10/27/2025@8:44:10 PM	94.5%
CCV	1	S9	2.54	10/27/2025@8:45:18 PM	101.6%
	Known Conc:		2.50		
CCB	1	S10	0.0151	10/27/2025@8:46:25 PM	
	Known Conc:		0.00		
GP65055-S1	1	73	1.84	10/27/2025@8:47:32 PM	
GP65055-D1	1	74	0.0378	10/27/2025@8:48:39 PM	

Author: Chemistry

Date : 10/27/2025

JE19853-3R	1	75	0.0375	10/27/2025@8:49:46 PM	
JE19853-4R	1	76	0.0422	10/27/2025@8:50:54 PM	
JE19853-5R	1	77	0.0397	10/27/2025@8:52:02 PM	
JE19853-6R	1	78	0.0717	10/27/2025@8:53:10 PM	
JE19853-7R	1	79	0.120	10/27/2025@8:54:18 PM	
JE19853-8R	1	80	0.0427	10/27/2025@8:55:25 PM	
JE19853-9R	1	81	0.0654	10/27/2025@8:56:33 PM	
JE19853-10R	1	82	0.0197	10/27/2025@8:57:41 PM	
CCV	1	S9	2.53	10/27/2025@8:58:48 PM	
	Known Conc:		2.50		
CCB	1	S10	0.0128	10/27/2025@8:59:55 PM	
	Known Conc:		0.00		
JE19853-11R	1	83	0.0215	10/27/2025@9:01:03 PM	
JE19853-12R	1	84	0.0201	10/27/2025@9:02:10 PM	
JE19853-13R	1	85	0.0168	10/27/2025@9:03:17 PM	
JE19853-17R	1	86	0.0197	10/27/2025@9:04:24 PM	
JE19853-18R	1	87	0.0201	10/27/2025@9:05:31 PM	
JE19853-19R	1	88	0.0193	10/27/2025@9:06:38 PM	
JE19853-21R	1	89	0.0186	10/27/2025@9:07:45 PM	
OLDPECONF	1	90	3.61	10/27/2025@9:10:36 PM	2.00
JE20843-2	1	91	3.13	10/27/2025@9:11:44 PM	2.00
JE20843-4	1	92	3.30	10/27/2025@9:12:52 PM	3.00
CCV	1	S9	2.53	10/27/2025@9:13:59 PM	
	Known Conc:		2.50		
CCB	1	S10	0.0155	10/27/2025@9:15:06 PM	
	Known Conc:		0.00		
JE20843-7	1	93	4.24	10/27/2025@9:16:14 PM	4.00
JE21570-5	1	94	7.22	10/27/2025@9:17:22 PM	8.00
JE21570-5	1	95	3.02	10/27/2025@9:18:30 PM	24.00
JE21607-1	1	96	3.64	10/27/2025@9:19:38 PM	3.00
CCV	1	S9	2.56	10/27/2025@9:22:29 PM	
	Known Conc:		2.50		
CCB	1	S10	0.0134	10/27/2025@9:23:36 PM	
	Known Conc:		0.00		

101.2%.

2mL sample, 2mL DI H2O

1mL sample, 3mL DI H2O

101.2%

4mL sample, 4mL DI H2O

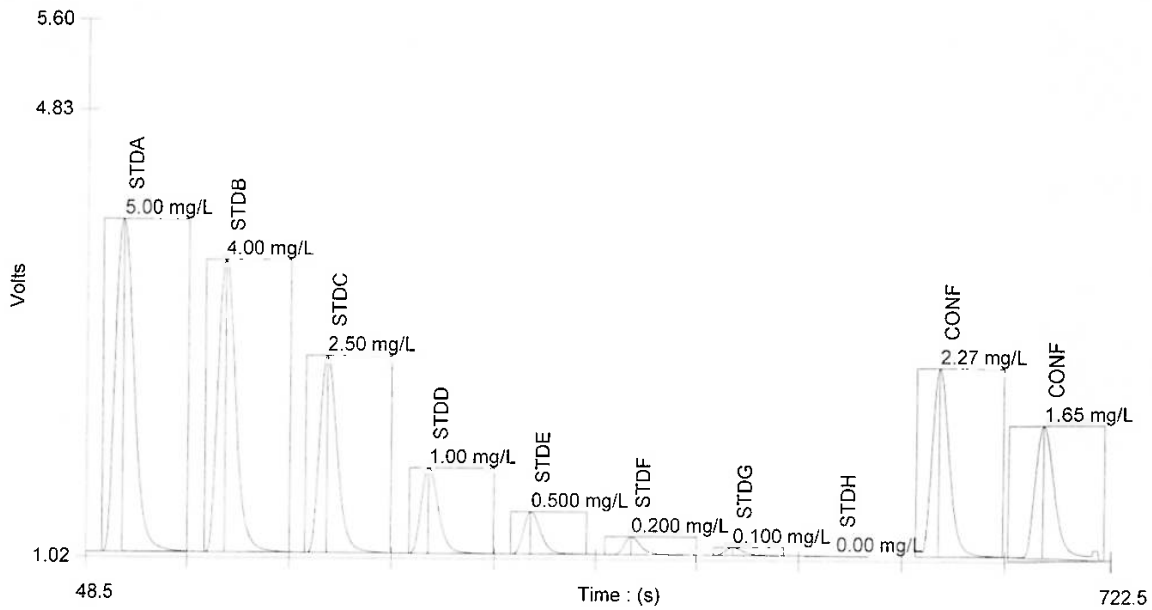
not needed

1mL sample, 23mL DI H2O

3mL sample, 10mL DI H2O

102.4%

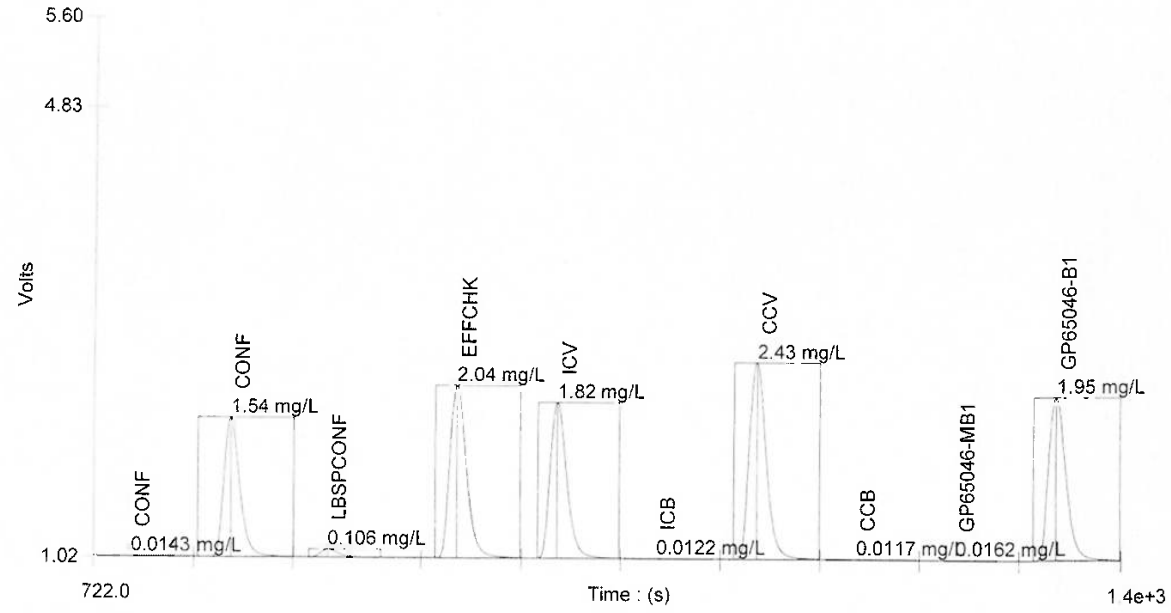
Channel 2 - Set: 1 / 14



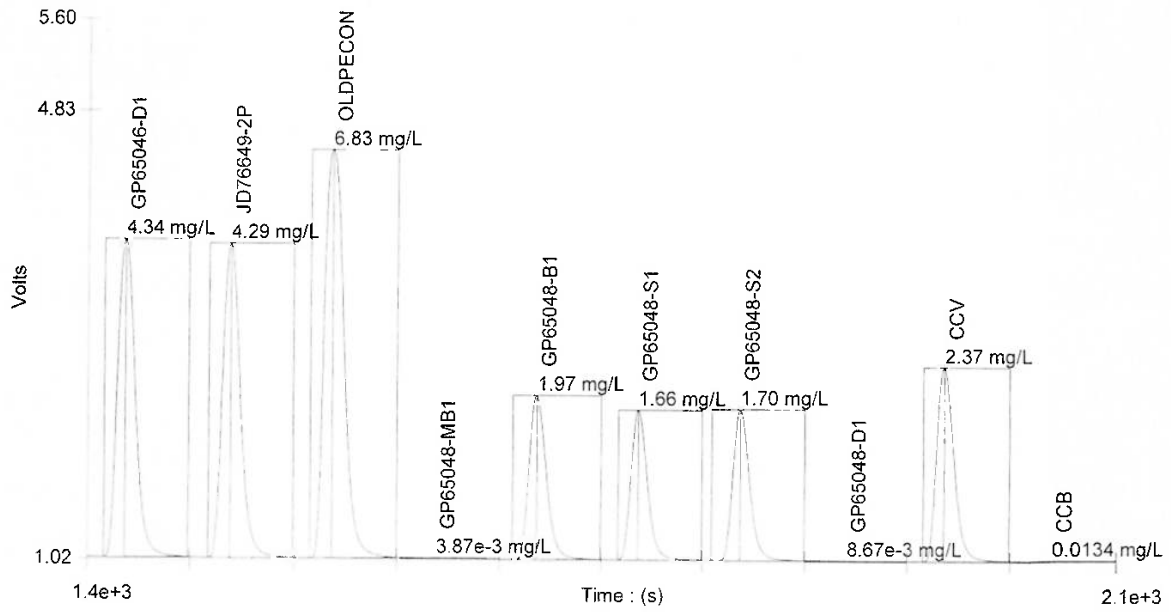
Author: Chemistry

Date : 10/27/2025

Channel 2 - Set: 2 / 14

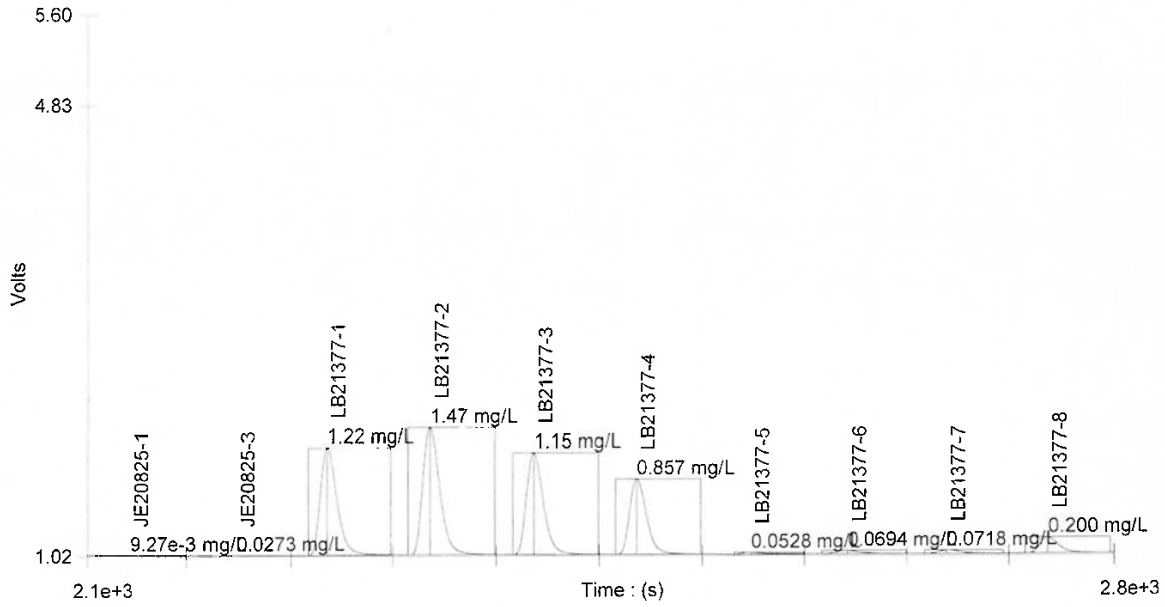


Channel 2 - Set: 3 / 14

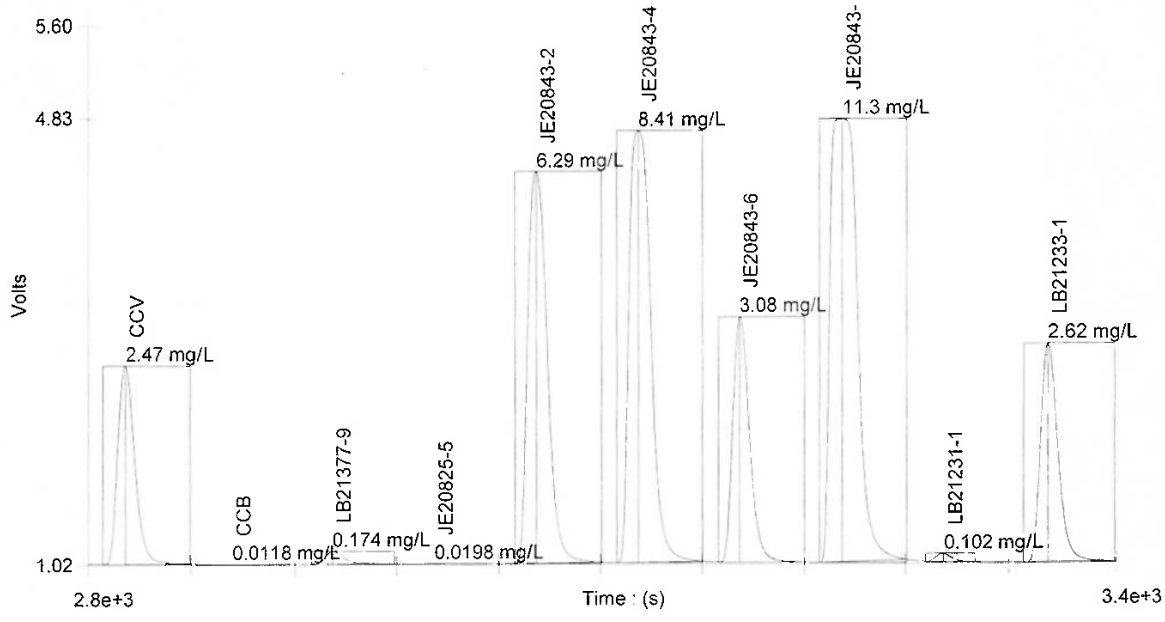


Author: Chemistry Date : 10/27/2025

Channel 2 - Set: 4 / 14

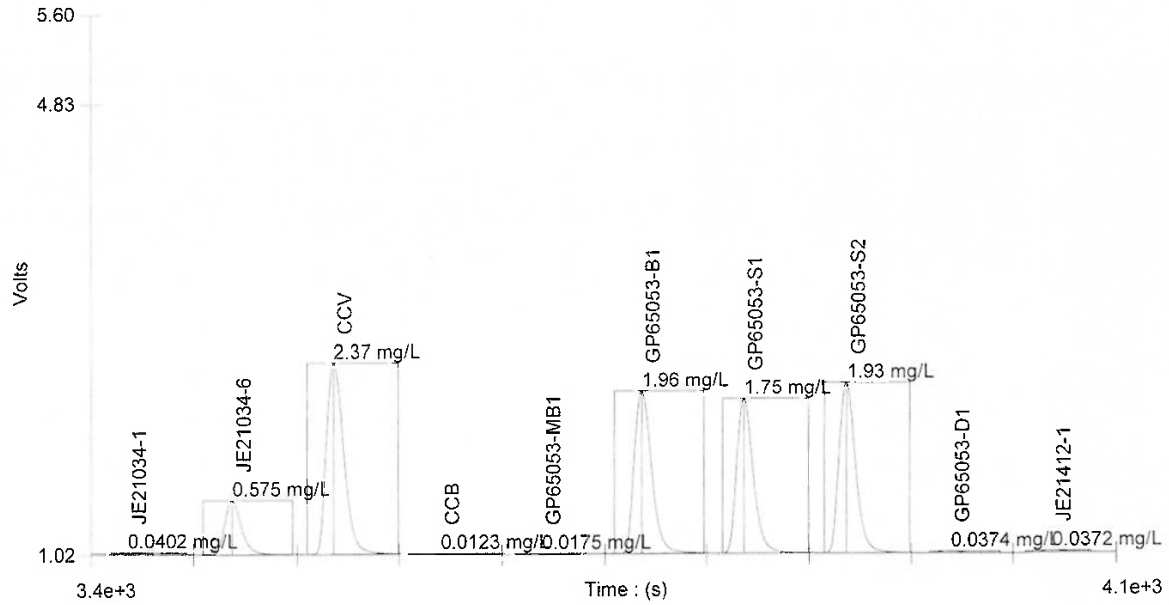


Channel 2 - Set: 5 / 14

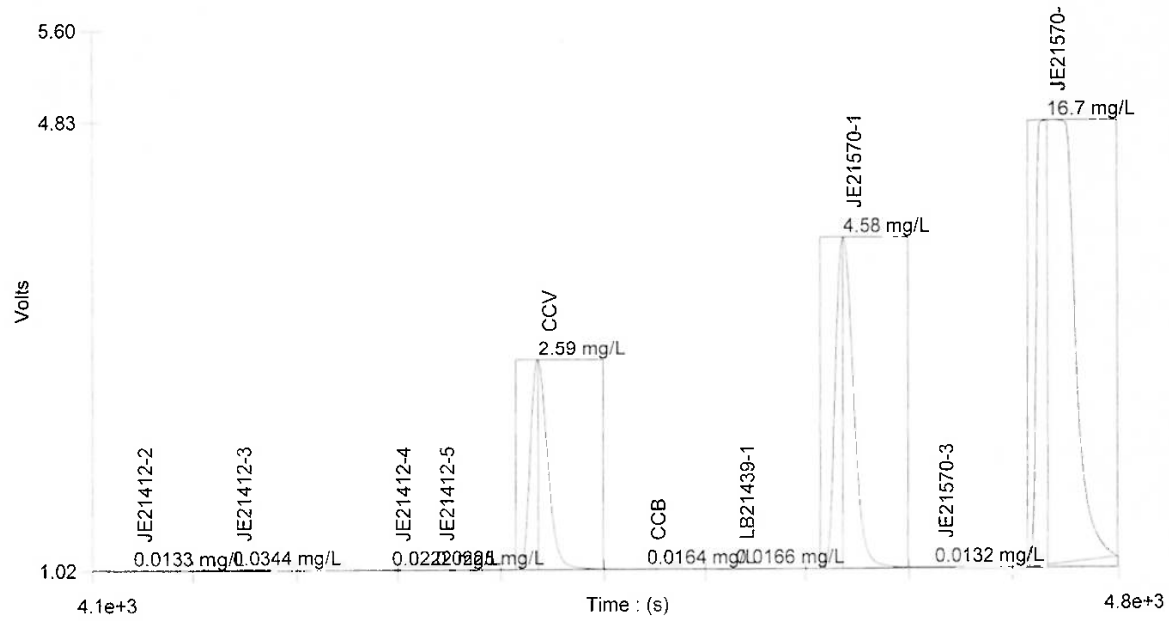


Author: Chemistry Date : 10/27/2025

Channel 2 - Set: 6 / 14

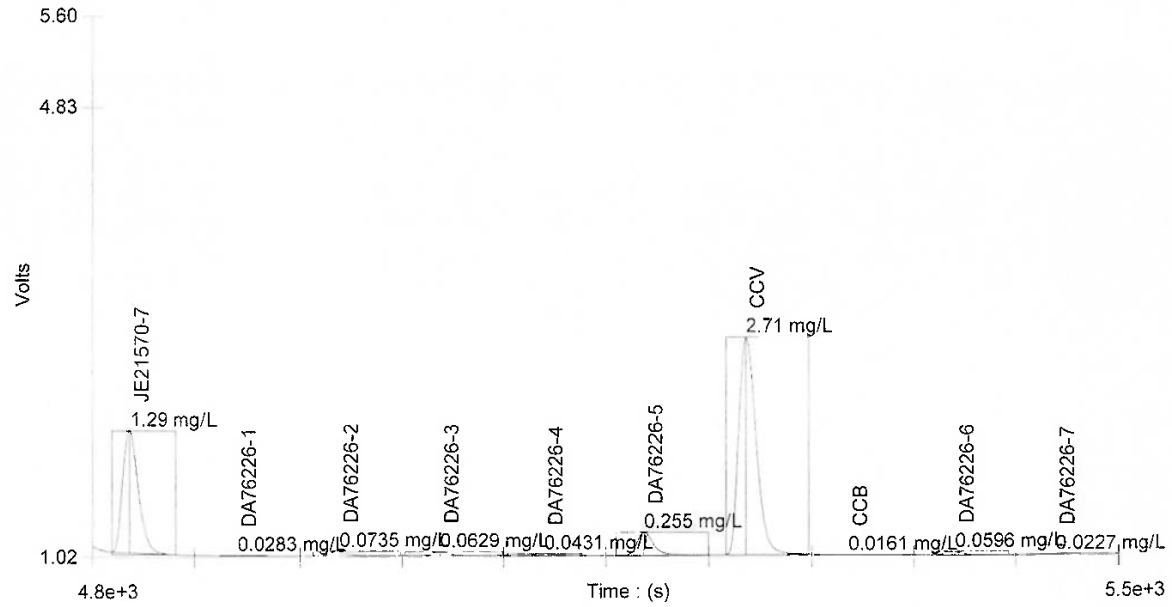


Channel 2 - Set: 7 / 14

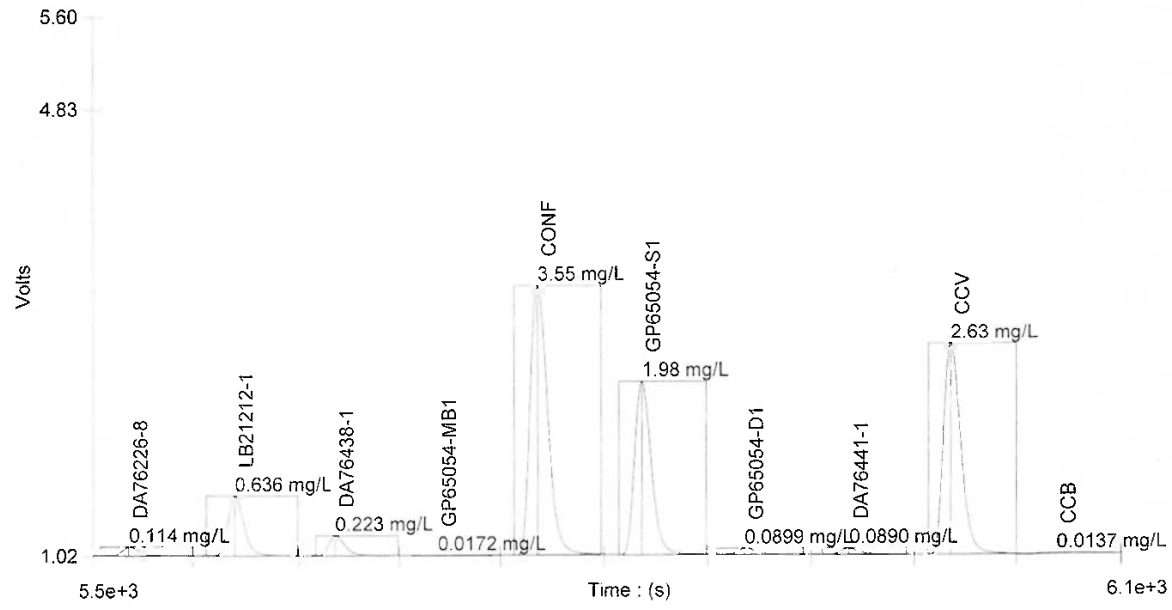


Author: Chemistry Date : 10/27/2025

Channel 2 - Set: 8 / 14



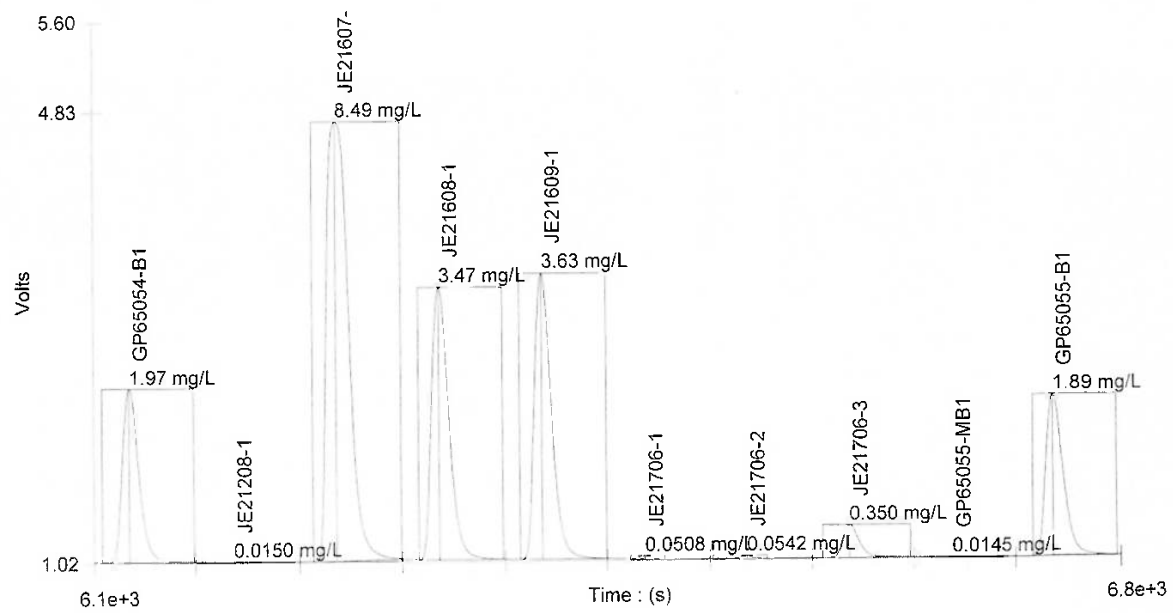
Channel 2 - Set: 9 / 14



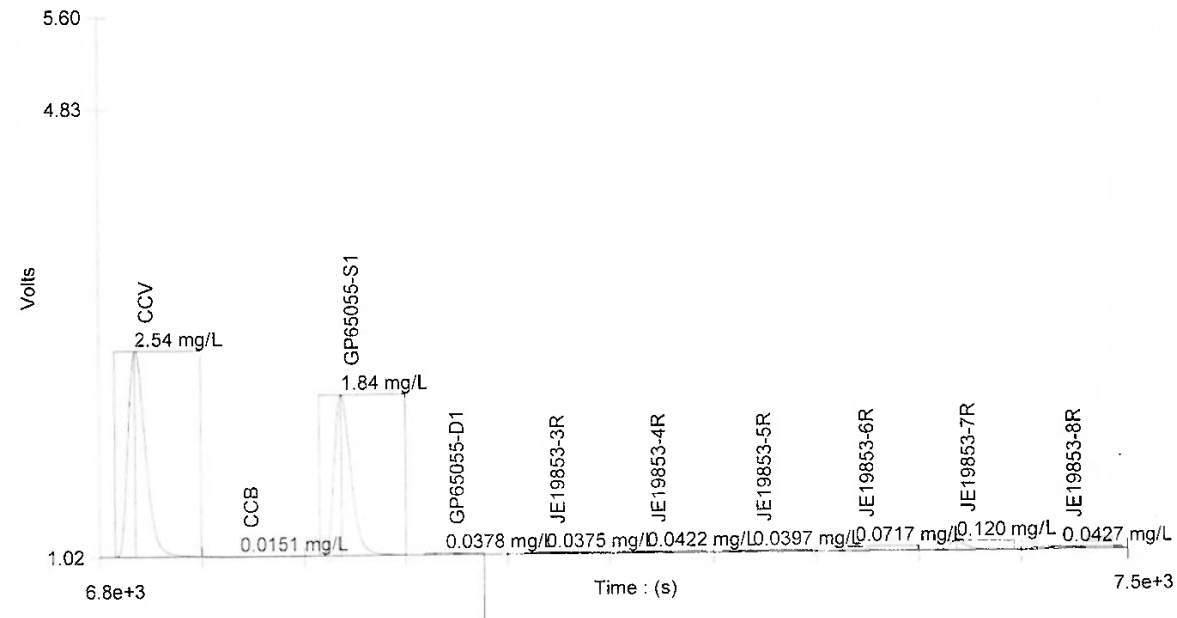
Author: Chemistry

Date : 10/27/2025

Channel 2 - Set: 10 / 14



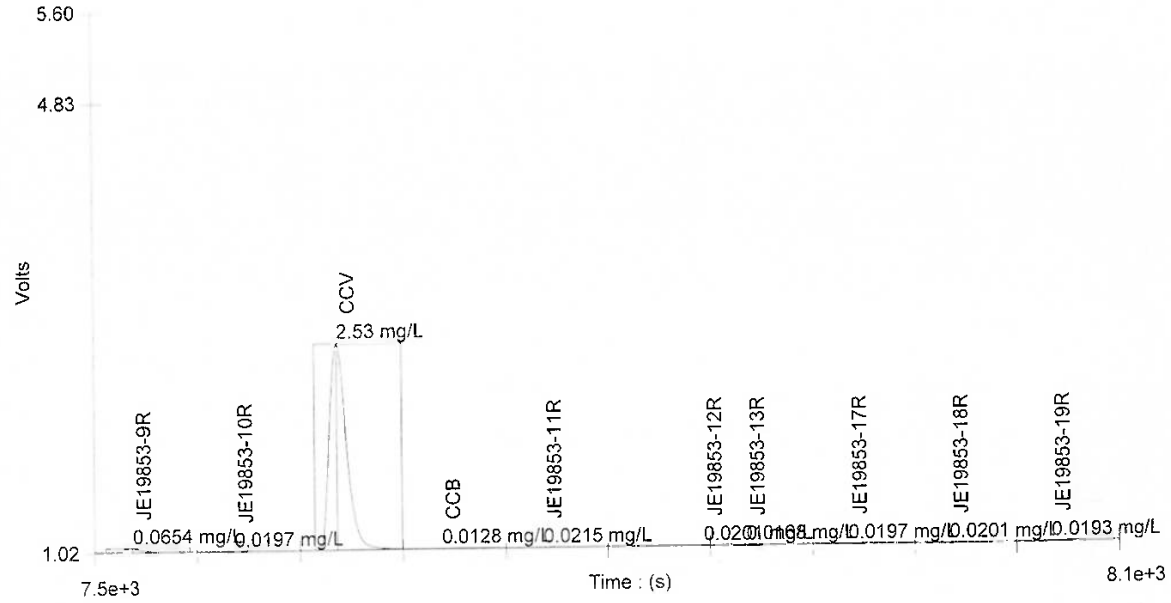
Channel 2 - Set: 11 / 14



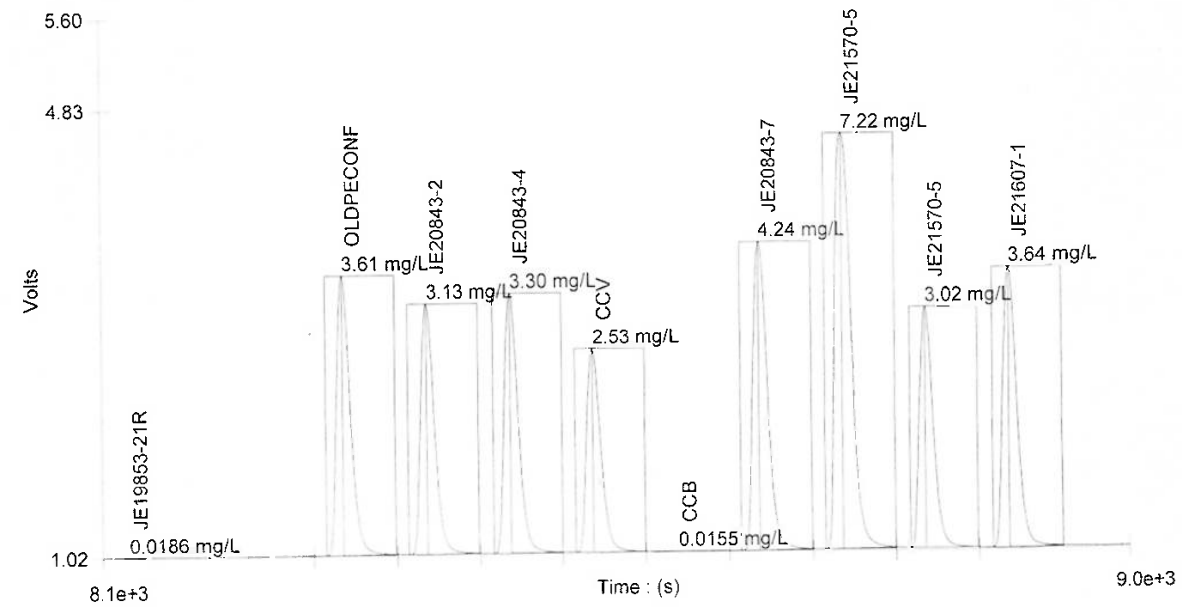
Author: Chemistry

Date : 10/27/2025

Channel 2 - Set: 12 / 14



Channel 2 - Set: 13 / 14



Author: Chemistry

Date : 10/27/2025

Channel 2 - Set: 14 / 14

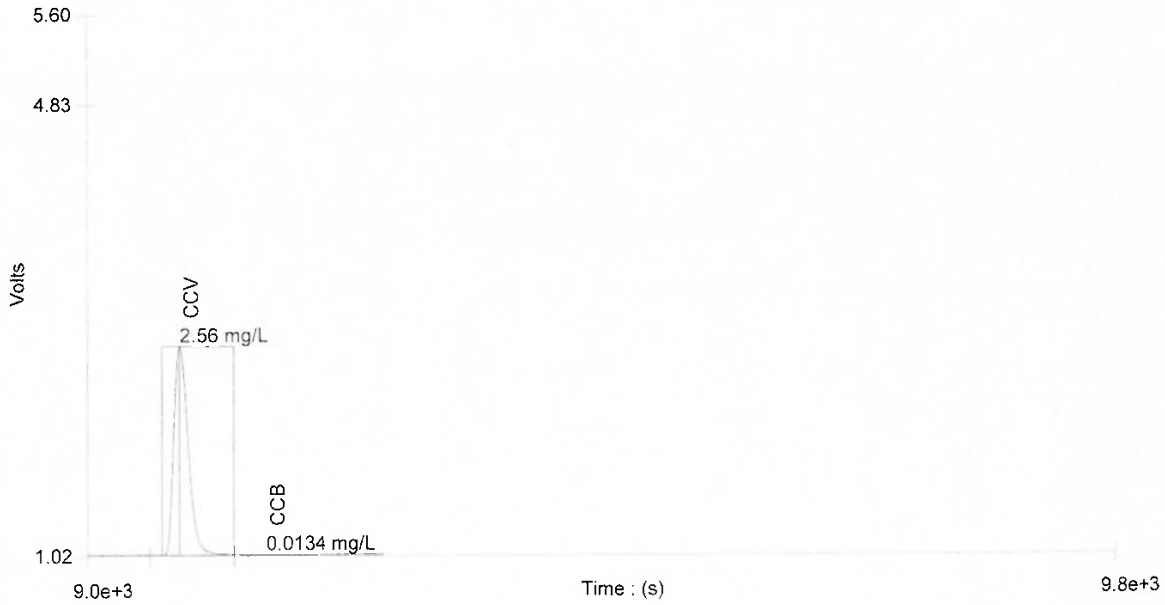
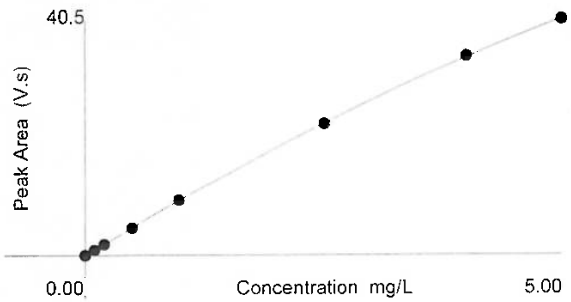


Table : 1 (NO32)

	Known Conc. (mg/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg/L)	Detection Date	Detection Time
1	5.00	1	40.5	2.84	0.0	0.3	4.97	10/27/2025	6:52:38 PM
2	4.00	1	34 1	2.49	0.0	-0.6	4.05	10/27/2025	6:53:45 PM
3	2.50	1	22.5	1.69	0.0	0.4	2.50	10/27/2025	6:54:52 PM
4	1.00	1	9.50	0.728	0.0	0.2	0 981	10/27/2025	6:56:00 PM
5	0.500	1	4.67	0.359	0.0	2.4	0.479	10/27/2025	6:57:08 PM
6	0.200	1	1.87	0 152	0 0	-0.9	0.202	10/27/2025	6:58:14 PM
7	0.100	1	0.890	0.0678	0.0	-2.9	0.107	10/27/2025	6:59:21 PM
8	0.00	1	-0.0543	-4.11e-3			0.0178	10/27/2025	7:00:29 PM

Figure : 1 (NO32)



Area = - 0.379 * Conc^2 + 10.0 * Conc - 0.135
Conc = 6.89e-4 * Area^2 + 0.0944 * Area + 0.0230
Correlation Coefficient (r) = 0.99998

Weighting : None

ERA
A Waters Company

JD76649-2PA

JOE/JAMES/Sarah/GRACE

Instructions for Catalog # 591
WatR™Supply Inorganics
Revision 010312

Description:
- This standard is packaged in a 500 mL polyethylene bottle containing approximately 500 mL of standard.
- This standard is not preserved.
- The standard can be stored at room temperature.
- The standard contains the analytes listed in the concentration ranges specified on the data reporting form.

Before you begin:
- This standard has been prepared as a whole volume standard and is ready to be analyzed as received.
- This standard contains no acid, so you must follow your normal procedures for checking, and if necessary, adjusting the pH.
- If you are analyzing anions by ion selective electrode methods, please note that this sample may contain high concentrations of inorganic salts.
- Be sure to report your nitrate and nitrate + nitrite results as N (not as NO_3^-).

Instructions:
1. Shake the Inorganics bottle well prior to opening.
2. Remove aliquots for the tests that you are performing and analyze by your normal procedures.
3. Tightly recap the bottle after each use.
4. Report your results as mg/L (µmhos/cm for Conductivity) for the standard provided.

Safety:
ERA products may be hazardous and are intended for use by professional laboratory personnel trained in the competent handling of such materials. Responsibility for the safe use of these products rests entirely with the buyer and/or user. Material Safety Data Sheets (MSDS) for all ERA products are available by calling 1-800-372-0122.

JO76649-2PA

ERA
A Waters Company

WS-351 Data Reporting Form

Lab Name: SGS North America Inc. -

ERA Customer Number: A014357

INSTRUCTIONS:

Please fill in the results, methods references and analysis dates for the analyte(s) you wish to report for the WS-351 study. Questions? See the Data Reporting Instructions section of your Data Package or call ERA at 1-800-372-0122. Please photocopy this form if you are reporting multiple methods.

WatR™ Supply Inorganics (cat# 591)

Please include Rev/Edition below if required by your agency (20th, 21st, etc.)

TNI Code	Analyte	Units	Reported Value	Method Description & Rev/Edition	Analysis Date (mm-dd)
1505	Alkalinity as CaCO3	mg/L	<CL		
1575	Chloride	mg/L	<CL		
1610	Conductivity at 25°C	µmhos/cm	<CL		
1730	Fluoride	mg/L	<CL		
1820	Nitrate + Nitrite as N	mg/L	<CL		
1810	Nitrate as N	mg/L	<CL		
1125	Potassium	mg/L	<CL		
2000	Sulfate	mg/L	<CL		
1955	Total Dissolved Solids at 180°C	mg/L	<CL		

Optional section. Please use to specify Analyst and Work Group.

TNI Code	Analyte	PTRL	Concentration Range	Analyst	Work Group
1505	Alkalinity as CaCO3	22.0	25.0 to 200		
1575	Chloride	17.0	20.0 to 160		
1610	Conductivity at 25°C	117	130 to 1300		
1730	Fluoride	0.900	1.00 to 8.00		
1820	Nitrate + Nitrite as N	2.60	3.00 to 10.0		
1810	Nitrate as N	2.70	3.00 to 10.0		
1125	Potassium	8.50	10.0 to 40.0		
2000	Sulfate	21.0	25.0 to 250		
1955	Total Dissolved Solids at 180°C	80.0	100 to 1000		

All analytes are included in ERA's A2LA accreditation. Lab Code: 1539-01

16341 Table Mountain Pkwy • Golden, CO 80403 • 800.372.0122 • 303.431.8454 • fax 303.421.0159 • www.eraqc.com

17.7

17

SGS

Reagent Information Log - Nitrate Lachat Autoanalyzer

Reagent	Reagent # or Manufacturer/Lot	Expiration Date
Ammonium Chloride Buffer Solution	GNE8-79333-NO32	2/11/2026
Sulfanilamide Color Reagent	GNE8-79286-NO32	10/29/2025
1:1 NH4OH	GNE4-77986-NO3	11/30/2025
Carrier Solution	GNE4-77987-NO32	11/15/2025
Nitrate Stock Solution	GNE4-77989-NO32	10/29/2025
1000 ppm Nitrite Solution	GNE4-77988-NO32	10/29/2025
Nitrate External Stock Solution	GNE4-77990-NO32	10/29/2025
Total Chlorine Test Strips	Lot 022J430-HH	10/29/2025
pH Test Strips	Lot 221523	8/1/2026

Reason codes for data corrections: 1-reviewer error correction: 2-transcription error; 3-computer error; 4-analyst error

17.7 17

Form: GN087A-43
Rev. Date: 7/19/06

SGS

GENERAL CHEMISTRY STANDARD PREPARATION LOG

Product: NO32

GN/GP number: GN75322

Analyst: JD

Date: 10/29/2025

Intermediate Standard Description	Stock used to prepare standard	Stock concentration	Stock volume used in ml	Pipette ID*	Diluent	Final Volume	Final Conc. of Intermediate (mg/l)	Expiration Date	Standard ID
100 ppm NO3 intermediate	GNE4-77989-NO32	1000	10	61	Carrier	100 ml	100	11/27/2025	NO32-100-102725
100 ppm NO2 Intermediate	GNE4-77988-NO32	1000	10	61	Carrier	100 ml	100	11/27/2025	NO2-100-102725
100 ppm NO3 External	GNE4-77990-NO32	1000	10	61	Carrier	100 ml	100	11/27/2025	NO32E-100-102725

Standard Description	Intermediate or Stock used to prepare standard	Intermediate or Stock concentration	Intermediate or Stock volume used in ml		Diluent	Final Volume	Final Conc. of Standard (mg/l)	Expiration Date	
5.0 mg/l NO3	NO32-100-102725	100 mg/l	5.0	61	Carrier	100 ml	5.0	11/10/2025	STDA-102725
4.0 mg/l NO3	NO32-100-102725	100 mg/l	4.0	61	Carrier	100 ml	4.0	11/10/2025	STDB-102725
2.5 mg/l NO3	NO32-100-102725	100 mg/l	2.5	61	Carrier	100 ml	2.5	11/10/2025	STDC-102725
1.0 mg/l NO3	NO32-100-102725	100 mg/l	1.0	61	Carrier	100 ml	1.0	11/10/2025	STDD-102725
0.5 mg/l NO3	NO32-100-102725	100 mg/l	0.5	61	Carrier	100 ml	0.5	11/10/2025	STDE-102725
0.2 mg/l NO3	NO32-100-102725	100 mg/l	0.2	61	Carrier	100 ml	0.2	11/10/2025	STDF-102725
0.1 mg/l NO3	NO32-100-102725	100 mg/l	0.1	61	Carrier	100 ml	0.1	11/10/2025	STDG-102725
Effcheck 2.0	NO2-100-102725	100 mg/l	2.0	61	Carrier	100 ml	2.0	10/29/2025	EFFcheck-102725
ICV	NO32E-100-102725	100 mg/l	2.0	61	Carrier	100 ml	2.0	11/10/2025	ICV-102725

*If Class A glass pipettes are used, enter an A.

Form: GN205-03
Rev. Date:03/22/2022

SGS Dayton **Analyst: JD**

Prep Date: 10/27/2025 **Pipette ID:** 61 and 63

Batch ID: GN75322 **pH paper Lot:** 221523 XP 08/01/2026

Nitrate-Nitrite (NO32) AQUEOUS QC Prep Log / Sample pH Log

Sample ID	Standard Prep	Std Final Volume		SAMPLE pH 5 - 9 (Y / N)	Chlorine Present (Y / N) If Y, add sodium thiosuldate
EDTA BUFFER SOLN.	N/A	N/A		9.1	N
GP65048-MB1				Y	N
GP65048-B1	1.0ML OF 100PPM	100MLS	CARRIER	Y	N
GP65048-S1	0.5ML OF 100PPM	50MLS	JE20825-1	Y	N
GP65048-S2	0.5ML OF 100PPM	50MLS	JE20825-3	Y	N
GP65048-D1				Y	N
JE20825-1				Y	N
JE20825-3				Y	N
LB21377-1				Y	N
LB21377-2				Y	N
LB21377-3				Y	N
LB21377-4				Y	N
LB21377-5				Y	N
LB21377-6				Y	N
LB21377-7				Y	N
LB21377-8				Y	N
LB21377-9				Y	N
JE20825-5				Y	N
JE20843-2				Y	N
JE20843-4				Y	N
JE20843-5				Y	N
JE20843-7				Y	N
LB21231-1				Y	N
LB21233-1				Y	N
JE21034-1				Y	N
JE21034-6				Y	N

Reviewer: _____

Rev date: 03/06/2023 Date: _____

SGS Dayton Analyst: JD

Prep Date: 10/27/2025

Batch ID: GN75322

Pipette ID: 61 and 63

pH paper Lot: 221523 XP 08/01/2026

Nitrate-Nitrite (NO32) AQUEOUS QC Prep Log / Sample pH Log

Sample ID	Standard Prep	Std Final Volume		SAMPLE pH 5 - 9 (Y / N)	Chlorine Present (Y / N) If Y, add sodium thiosuldate
EDTA BUFFER SOLN.	N/A	N/A		9.1	N
GP65053-MB1				Y	N
GP65053-B1	1.0ML OF 100PPM	100MLS	CARRIER	Y	N
GP65053-S1	0.5ML OF 100PPM	50MLS	JE21412-1	Y	N
GP65053-S2	0.5ML OF 100PPM	50MLS	JE21412-2	Y	N
GP65053-D1				Y	N
JE21412-1				Y	N
JE21412-2				Y	N
JE21412-3				Y	N
JE21412-4				Y	N
JE21412-5				Y	N
LB21439-1				Y	N
JE21570-1				Y	N
JE21570-3				Y	N
JE21570-5				Y	N
JE21570-7				Y	N
DA76226-1				Y	N
DA76226-2				Y	N
DA76226-3				Y	N
DA76226-4				Y	N
DA76226-5				Y	N
DA76226-6				Y	N
DA76226-7				Y	N
DA76226-8				Y	N
LB21212-1				Y	N
DA76438-1				Y	N

Reviewer: _____

Date: _____

Rev date: 03/06/2023

SGS Dayton **Analyst: JD**

Prep Date: 10/27/2025

Batch ID: GN75322

Pipette ID: 61 and 63

pH paper Lot: 221523 XP 08/01/2026

Nitrate-Nitrite (NO32) AQUEOUS QC Prep Log / Sample pH Log

Sample ID	Standard Prep	Std Final Volume		SAMPLE pH 5 - 9 (Y / N)	Chlorine Present (Y / N) If Y, add sodium thiosuldate
EDTA BUFFER SOLN.	N/A	N/A		9.1	N
GP65054-MB1				Y	N
GP65054-B1	1.0ML OF 100PPM	100MLS	CARRIER	Y	N
GP65054-S1	0.5ML OF 100PPM	50MLS	DA76441-1	Y	N
GP65054-D1				Y	N
DA76441-1				Y	N
JE21208-1				Y	N
JE21607-1				Y	N
JE21608-1				Y	N
JE21609-1				Y	N
JE21706-1				Y	N
JE21706-2				Y	N
JE21706-3				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N

Reviewer: _____

Date: _____

Rev date: 03/06/2023

SGS Dayton Analyst: JD

Prep Date: 10/27/2025

Batch ID: GN75322

Pipette ID: 61 and 63

pH paper Lot: 221523 XP 08/01/2026

Nitrate-Nitrite (NO32) AQUEOUS QC Prep Log / Sample pH Log

Sample ID	Standard Prep	Std Final Volume		SAMPLE pH 5 - 9 (Y / N)	Chlorine Present (Y / N) If Y, add sodium thiosuldate
EDTA BUFFER SOLN.	N/A	N/A		9.1	N
GP65046-MB1				Y	N
GP65046-B1	1.0ML OF 100PPM	100MLS	CARRIER	Y	N
GP65046-D1				Y	N
JD76649-2P				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N

Reviewer: _____

Date: _____

Rev date: 03/06/2023

SGS Dayton

Analyst: JD

Prep Date: 10/27/2025

Pipette ID: _61 & 63

Batch ID: GP65055

Balance ID:__B-93_____

pH paper lot: 221523 XP 08/01/2026

Nitrate-Nitrite (NO32) SOIL QC Prep Log / Sample pH Log

Sample ID	Standard Prep	Std Final Volume	SAMPLE pH 5 - 9
EDTA BUFFER SOLN.	N/A	N/A	Y
GP65055-MB1	1.00 G	200 ML DI H20	Y
GP65055-B1	1.00 + 4 ML OF 100 PPM NO32 STD	200 ML DI H20	Y
GP65055-S1	1.00+ 4 ML OF 100 PPM NO32 STD	200 ML DI H20	Y
GP65055-D1	1.00 G	200 ML DI H20	Y
JE19853-3R	1.00 G	200 ML DI H20	Y
JE19853-4R	1.00 G	200 ML DI H20	Y
JE19853-5R	1.00 G	200 ML DI H20	Y
JE19853-6R	1.00 G	200 ML DI H20	Y
JE19853-7R	1.00 G	200 ML DI H20	Y
JE19853-8R	1.00 G	200 ML DI H20	Y
JE19853-9R	1.00 G	200 ML DI H20	Y
JE19853-10R	1.00 G	200 ML DI H20	Y
JE19853-11R	1.00 G	200 ML DI H20	Y
JE19853-12R	1.00 G	200 ML DI H20	Y
JE19853-13R	1.00 G	200 ML DI H20	Y
JE19853-17R	1.00 G	200 ML DI H20	Y
JE19853-18R	1.00 G	200 ML DI H20	Y
JE19853-19R	1.00 G	200 ML DI H20	Y
JE19853-21R	1.00 G	200 ML DI H20	Y

Form GN319A-04 Soil

Rev date: 03/06/2023

Reviewer: _____

Date: _____

17.7

17

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Arcadis

Saratoga Springs, NY

30003945

SGS Job Number: JE21034

Sampling Date: 10/10/25

Report to:

Arcadis U.S.
1 Lincoln Center, 110 West Fayette Street Suite 300
Syracuse, NY 13202
matt.hysell@arcadis.com

ATTN: Matt Hysell

Total number of pages in report: **4467**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

Olga Azarian
Technical Director

Client Service contact: Tammy McCloskey 732-329-0200
Certifications: NJ(12129), NY(10983), CA, CO, CT, FL, HI, IL, IN, KY, LA (120428), MA, MD, ME, MN, NC, NH, NV, AK (UST-103), AZ (AZ0786), PA(68-00408), RI, SC, TX (T104704234), UT, VA, WA, WV

This report shall not be reproduced, except in its entirety, without the written approval of SGS.
Test results relate only to samples analyzed.

How did we do today?
Your feedback helps us improve our service and takes less than a minute to complete.
START SURVEY

SGS is the sole authority for authorizing edits or modifications to this document.
Unauthorized modification of this report is strictly prohibited.
Review standard terms at: http://www.sgs.com/en/terms-and-conditions

Please share your ideas about how we can serve you better at:
EHS.US.CustomerCare@sgs.com

Sections:

Table of Contents

Section 1: Sample Summary 5
Section 2: Case Narrative/Conformance Summary 6
Section 3: Summary of Hits 10
Section 4: Sample Results 12
4.1: JE21034-1: MW-EPA-09 10102025 13
4.2: JE21034-1A: MW-EPA-09 10102025 20
4.3: JE21034-3: MW-EPA-10 10102025 21
4.4: JE21034-4: MW-SS-09-07 10102025 23
4.5: JE21034-5: MW-EPA-02R 10102025 25
4.6: JE21034-6: MW-ORS-01 10102025 27
4.7: JE21034-6A: MW-ORS-01 10102025 34
4.8: JE21034-7: MW-EPA-06 10102025 35
4.9: JE21034-8: MW-SS-09-06 10102025 37
Section 5: Misc. Forms 39
5.1: Chain of Custody 40
5.2: Sample Tracking Chronicle 44
5.3: Internal Chain of Custody 46
Section 6: MS Volatiles - QC Data Summaries 54
6.1: Method Blank Summary 55
6.2: Blank Spike Summary 58
6.3: Matrix Spike/Matrix Spike Duplicate Summary 61
6.4: Instrument Performance Checks (BFB) 64
6.5: Internal Standard Area Summaries 67
6.6: Surrogate Recovery Summaries 70
6.7: Initial and Continuing Calibration Summaries 71
6.8: Run Sequence Reports 127
Section 7: MS Volatiles - Raw Data 133
7.1: Samples 134
7.2: Method Blanks 154
7.3: Blank Spikes 160
7.4: Matrix Spike/Matrix Spike Duplicates 345
7.5: Instrument Performance Checks (BFB) 713
7.6: Initial and Continuing Calibrations 718
7.7: Instrument Run Logs 2733
Section 8: MS Semi-volatiles - QC Data Summaries 2747
8.1: Method Blank Summary 2748
8.2: Blank Spike/Blank Spike Duplicate Summary 2750
8.3: Instrument Performance Checks (DFTPP) 2752
8.4: Internal Standard Area Summaries 2759
8.5: Surrogate Recovery Summaries 2763
8.6: Initial and Continuing Calibration Summaries 2764
8.7: Run Sequence Reports 2788

Table of Contents

Section 9: MS Semi-volatiles - Raw Data 2795
9.1: Samples 2796
9.2: Method Blanks 2905
9.3: Blank Spike/Blank Spike Duplicates 2957
9.4: Instrument Performance Checks (DFTPP) 3031
9.5: Initial and Continuing Calibrations 3059
9.6: Instrument Run Logs 3851
9.7: Sample Prep Logs 3861
Section 10: GC Volatiles - QC Data Summaries 3864
10.1: Method Blank Summary 3865
10.2: Blank Spike Summary 3867
10.3: Laboratory Control Sample Summary 3868
10.4: Matrix Spike/Matrix Spike Duplicate Summary 3869
10.5: Duplicate Summary 3870
10.6: Surrogate Recovery Summaries 3871
10.7: GC Surrogate Retention Time Summaries 3872
10.8: Initial and Continuing Calibration Summaries 3874
10.9: Run Sequence Reports 3885
Section 11: GC Volatiles - Raw Data 3890
11.1: Samples 3891
11.2: Method Blanks 3907
11.3: Blank Spikes 3915
11.4: Laboratory Control Samples 3918
11.5: Matrix Spike/Matrix Spike Duplicates 3921
11.6: Duplicates 3927
11.7: Retention Time Markers 3930
11.8: Initial and Continuing Calibrations 3936
11.9: Instrument Run Logs 3998
Section 12: GC/LC Semi-volatiles - QC Data Summaries 4005
12.1: Method Blank Summary 4006
12.2: Blank Spike/Blank Spike Duplicate Summary 4008
12.3: Surrogate Recovery Summaries 4010
12.4: GC Surrogate Retention Time Summaries 4011
12.5: Initial and Continuing Calibration Summaries 4014
12.6: Run Sequence Reports 4020
Section 13: GC/LC Semi-volatiles - Raw Data 4022
13.1: Samples 4023
13.2: Method Blanks 4043
13.3: Blank Spike/Blank Spike Duplicates 4052
13.4: Initial and Continuing Calibrations 4084
13.5: Instrument Run Logs 4162
13.6: Sample Prep Logs 4165

Table of Contents

Section 14: Metals Analysis - QC Data Summaries **4166**
14.1: Inst QC MA59588: Fe,Mn 4167
14.2: Inst QC MA59598: Fe,Mn 4195
14.3: Prep QC MP58085: Fe,Mn 4222
14.4: IDL and Linear Range Summaries 4232
Section 15: Metals Analysis - Raw Data **4234**
15.1: Raw Data MA59588 4235
15.2: Raw Data MA59598 4268
15.3: Sample Prep Logs 4298
Section 16: General Chemistry - QC Data Summaries **4300**
16.1: Method Blank and Spike Results Summary 4301
16.2: Duplicate Results Summary 4302
16.3: Matrix Spike Results Summary 4303
16.4: Matrix Spike Duplicate Results Summary 4304
16.5: Inst QC GN74989: Total Organic Carbon 4305
16.6: Inst QC GN75008: Sulfate 4308
16.7: Inst QC GN75054: Nitrogen, Total Kjeldahl 4311
16.8: Inst QC GN75322: Nitrogen, Nitrate + Nitrite 4314
Section 17: General Chemistry - Raw Data **4319**
17.1: Raw Data GN74707: Nitrogen, Nitrite 4320
17.2: Raw Data GN74863: Sulfide 4325
17.3: Raw Data GN74973: Alkalinity, Total as CaCO3 4327
17.4: Raw Data GN74989: Total Organic Carbon 4335
17.5: Raw Data GN75008: Sulfate 4377
17.6: Raw Data GN75054: Nitrogen, Total Kjeldahl 4437
17.7: Raw Data GN75322: Nitrogen, Nitrate + Nitrite 4448

SGS North America Inc.

Sample Summary

Arcadis

Job No: JE21034

Saratoga Springs, NY
Project No: 30003945

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
This report contains results reported as ND = Not detected. The following applies:							
Organics ND = Not detected above the MDL							
JE21034-1	10/10/25	10:10	KK/AF	10/11/25	AQ	Water	MW-EPA-09 10102025
JE21034-1A	10/10/25	10:10	KK/AF	10/11/25	AQ	Water	MW-EPA-09 10102025
JE21034-3	10/10/25	08:35	KK/AF	10/11/25	AQ	Water	MW-EPA-10 10102025
JE21034-4	10/10/25	12:00	KK/AF	10/11/25	AQ	Water	MW-SS-09-07 10102025
JE21034-5	10/10/25	13:30	KK/AF	10/11/25	AQ	Water	MW-EPA-02R 10102025
JE21034-6	10/10/25	10:05	KK/AF	10/11/25	AQ	Water	MW-ORS-01 10102025
JE21034-6A	10/10/25	10:05	KK/AF	10/11/25	AQ	Water	MW-ORS-01 10102025
JE21034-7	10/10/25	14:15	KK/AF	10/11/25	AQ	Water	MW-EPA-06 10102025
JE21034-8	10/10/25	15:10	KK/AF	10/11/25	AQ	Water	MW-SS-09-06 10102025

CASE NARRATIVE / CONFORMANCE SUMMARY

Client: Arcadis **Job No:** JE21034

Site: Saratoga Springs, NY **Report Date** 11/4/2025 10:20:38 A

On 10/11/2025, 7 sample(s), 0 Trip Blank(s), 0 Equip. Blank(s) and 0 Field Blank(s) were received at SGS North America Inc. (SGS) at a temperature of 2.1 °C. The samples were intact and properly preserved, unless noted below. An SGS Job Number of JE21034 was assigned to the project. The lab sample ID, client sample ID, and date of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

MS Volatiles By Method SW846 8260D

Matrix: AQ **Batch ID:** V1K694

- All samples were analyzed within the recommended method holding time.
- Sample(s) JE21034-6MS, JE21034-6MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Matrix: AQ **Batch ID:** V1T610

- All samples were analyzed within the recommended method holding time.
- Sample(s) JE21330-9MS, JE21330-9MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Matrix: AQ **Batch ID:** VL11478

- All samples were analyzed within the recommended method holding time.
- Sample(s) JE21501-1MS, JE21501-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

MS Semi-volatiles By Method SW846 8270E BY SIM

Matrix: AQ **Batch ID:** OP68166A

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- Sample(s) JE21034-3, JE21034-8 have compound(s) reported with a "B" qualifier, indicating analyte is found in the associated method blank. Detected in the Method blank but below the reporting limit level.
- JE21034-7 for Acenaphthene: Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
- JE21034-4 for Benzo(a)anthracene: Associated CCV outside of control limits high, sample was ND.
- JE21034-8 for Benzo(b)fluoranthene: Detected in the Method blank. Confirmation run extracted out of hold, result was ND
- JE21034-8 for Acenaphthene: Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
- JE21034-3 for Acenaphthene: Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
- JE21034-5 for Acenaphthene: Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Estimated value, due to corresponding failure in the batch associated CCV.

Matrix: AQ **Batch ID:** OP68253A

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- OP68253A-BSD12 for Naphthalene: Analytical precision exceeds in-house control limits.

Matrix: AQ **Batch ID:** OP68406A

- The data for SW846 8270E BY SIM meets quality control requirements.
- JE21034-8: Sample extracted outside the holding time. Confirmation run.

GC Volatiles By Method RSK-175

Matrix: AQ **Batch ID:** GAA3393

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE20825-1DUP were used as the QC samples indicated.
- JE21034-1: (pH=6)Sample pH did not satisfy field preservation criteria.
- JE21034-6: Bubble present in headspace.

GC Volatiles By Method SW846 8015D

Matrix: AQ **Batch ID:** GKM598

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE20825-1MS, JE20825-1MSD were used as the QC samples indicated.

GC/LC Semi-volatiles By Method SW846 8015D

Matrix: AQ **Batch ID:** OP68257

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.

Metals Analysis By Method SW846 6010D

Matrix: AQ **Batch ID:** MP58085

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE21317-1MS, JE21317-1MSD, JE21317-1SDL were used as the QC samples for the metals analysis.
- The serial dilution RPD(s) for Iron are outside control limits for sample MP58085-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

General Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** GP64893

- All samples were prepared within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE20825-1MS, JE20825-1MSD were used as the QC samples for the Sulfate analysis.

General Chemistry By Method EPA 351.2/LACHAT

Matrix: AQ **Batch ID:** GP64911

- All samples were prepared within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE21309-1MS, JE21309-1DUP were used as the QC samples for the Nitrogen, Total Kjeldahl analysis.
- The duplicate RPD(s) for Nitrogen, Total Kjeldahl are outside control limits for sample GP64911-D1. RPD acceptable due to low duplicate and sample concentrations.

General Chemistry By Method EPA 353.2/LACHAT

Matrix: AQ **Batch ID:** GP65048

- All samples were prepared within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE20825-1DUP, JE20825-1MS were used as the QC samples for the Nitrogen, Nitrate + Nitrite analysis.
- The matrix spike (MS) recovery(s) of Nitrogen, Nitrate + Nitrite are outside control limits. Spike recovery indicates possible matrix interference.

General Chemistry By Method EPA353.2/SM4500NO2B

Matrix: AQ **Batch ID:** R220273

- The data for EPA353.2/SM4500NO2B meets quality control requirements.
- JE21034-6 for Nitrogen, Nitrate: Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

Matrix: AQ **Batch ID:** R220274

- The data for EPA353.2/SM4500NO2B meets quality control requirements.
- JE21034-1 for Nitrogen, Nitrate: Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

General Chemistry By Method SM2320 B-11/21

Matrix: AQ **Batch ID:** GN74973

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE21034-1DUP were used as the QC samples for the Alkalinity, Total as CaCO3 analysis.
- JE21034-1 for Alkalinity, Total as CaCO3: Sample was titrated to a final pH of 4.5.
- JE21034-6 for Alkalinity, Total as CaCO3: Sample was titrated to a final pH of 4.5.

General Chemistry By Method SM4500NO2 B-11/21

Matrix: AQ **Batch ID:** GN74707

- All method blanks for this batch meet method specific criteria.
- Sample(s) JE20993-4MS, JE20993-4MSD were used as the QC samples for the Nitrogen, Nitrite analysis.
- The following samples were run outside of holding time for method SM4500NO2 B-11/21: JE21034-1, JE21034-6 Analysis done out of holding time.

General Chemistry By Method SM4500S2- F-11/21

Matrix: AQ **Batch ID:** GN74863

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE21034-1MS, JE21034-6DUP were used as the QC samples for the Sulfide analysis.

General Chemistry By Method SM5310 B-11/14

Matrix: AQ **Batch ID:** GP64841

- All samples were prepared within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE21034-1MS, JE21034-1MSD were used as the QC samples for the Total Organic Carbon analysis.

SGS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting SGS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by SGS indicated via signature on the report cover.

Summary of Hits

Job Number: JE21034
Account: Arcadis
Project: Saratoga Springs, NY
Collected: 10/10/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JE21034-1	**MW-EPA-09 10102025**					
Acenaphthene		0.402	0.080	0.040	ug/l	SW846 8270E BY SIM
Anthracene		0.0531 J	0.080	0.040	ug/l	SW846 8270E BY SIM
Benzo(a)anthracene		0.0297 J	0.040	0.024	ug/l	SW846 8270E BY SIM
Benzo(a)pyrene		0.0244 J	0.040	0.024	ug/l	SW846 8270E BY SIM
Benzo(b)fluoranthene		0.0343 J	0.040	0.024	ug/l	SW846 8270E BY SIM
Fluoranthene		0.103	0.080	0.040	ug/l	SW846 8270E BY SIM
Phenanthrene		0.0929	0.080	0.040	ug/l	SW846 8270E BY SIM
Pyrene		0.0981	0.080	0.040	ug/l	SW846 8270E BY SIM
Methane [a]		52.8	0.11	0.080	ug/l	RSK-175
Iron		1260	100		ug/l	SW846 6010D
Manganese		325	15		ug/l	SW846 6010D
Alkalinity, Total as CaCO3 [b]		458	5.0		mg/l	SM2320 B-11/21
Nitrogen, Total Kjeldahl		1.9	0.40		mg/l	EPA 351.2/LACHAT
Sulfate		114	2.0		mg/l	EPA 300/SW846 9056A
Total Organic Carbon		2.2	1.0		mg/l	SM5310 B-11/14
JE21034-1A	**MW-EPA-09 10102025**					
No hits reported in this sample.						
JE21034-3	**MW-EPA-10 10102025**					
Benzo(b)fluoranthene [c]		0.0257 JB	0.040	0.024	ug/l	SW846 8270E BY SIM
JE21034-4	**MW-SS-09-07 10102025**					
Naphthalene		0.0671 J	0.080	0.040	ug/l	SW846 8270E BY SIM
JE21034-5	**MW-EPA-02R 10102025**					
Acenaphthene [d]		1.81	0.080	0.040	ug/l	SW846 8270E BY SIM
Acenaphthylene		0.465	0.080	0.040	ug/l	SW846 8270E BY SIM
Fluorene		0.289	0.080	0.040	ug/l	SW846 8270E BY SIM
Naphthalene		0.0642 J	0.080	0.040	ug/l	SW846 8270E BY SIM
JE21034-6	**MW-ORS-01 10102025**					
Methane [e]		337	1.1	0.80	ug/l	RSK-175
Iron		1410	100		ug/l	SW846 6010D
Manganese		296	15		ug/l	SW846 6010D
Alkalinity, Total as CaCO3 [b]		718	5.0		mg/l	SM2320 B-11/21
Nitrogen, Nitrate [f]		0.58	0.11		mg/l	EPA353.2/SM4500NO2B
Nitrogen, Nitrate + Nitrite		0.58	0.10		mg/l	EPA 353.2/LACHAT

Summary of Hits

Job Number: JE21034
Account: Arcadis
Project: Saratoga Springs, NY
Collected: 10/10/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Nitrogen, Total Kjeldahl		0.91	0.40		mg/l	EPA 351.2/LACHAT
Sulfate		10.3	2.0		mg/l	EPA 300/SW846 9056A
Total Organic Carbon		1.3	1.0		mg/l	SM5310 B-11/14
JE21034-6A	**MW-ORS-01 10102025**					
No hits reported in this sample.						
JE21034-7	**MW-EPA-06 10102025**					
Naphthalene		0.0769 J	0.080	0.040	ug/l	SW846 8270E BY SIM
JE21034-8	**MW-SS-09-06 10102025**					
Benzo(a)anthracene		0.0644	0.040	0.024	ug/l	SW846 8270E BY SIM
Benzo(a)pyrene [c]		0.0571 B	0.040	0.024	ug/l	SW846 8270E BY SIM
Benzo(b)fluoranthene [g]		0.0871 B	0.040	0.024	ug/l	SW846 8270E BY SIM
Benzo(g,h,i)perylene		0.0610 J	0.080	0.040	ug/l	SW846 8270E BY SIM
Benzo(k)fluoranthene		0.0658 J	0.080	0.040	ug/l	SW846 8270E BY SIM
Chrysene		0.0597 J	0.080	0.040	ug/l	SW846 8270E BY SIM
Dibenzo(a,h)anthracene		0.0706 J	0.080	0.040	ug/l	SW846 8270E BY SIM
Indeno(1,2,3-cd)pyrene		0.0674 J	0.080	0.040	ug/l	SW846 8270E BY SIM

(a) (pH= 6)Sample pH did not satisfy field preservation criteria.
(b) Sample was titrated to a final pH of 4.5.
(c) Detected in the Method blank but below the reporting limit level.
(d) Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Estimated value, due to corresponding failure in the batch associated CCV.
(e) Bubble present in headspace.
(f) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)
(g) Detected in the Method blank. Confirmation run extracted out of hold, result was ND

Sample Results

Report of Analysis

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-EPA-09 10102025		
Lab Sample ID:	JE21034-1	**Date Sampled:**	10/10/25
Matrix:	AQ - Water	**Date Received:**	10/11/25
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1K25227.D	1	10/18/25 04:24	ED	n/a	n/a	V1K694
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.50	0.43	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		80-120%
17060-07-0	1,2-Dichloroethane-D4	87%		80-120%
2037-26-5	Toluene-D8	98%		80-120%
460-00-4	4-Bromofluorobenzene	90%		82-114%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-EPA-09 10102025		
Lab Sample ID:	JE21034-1	**Date Sampled:**	10/10/25
Matrix:	AQ - Water	**Date Received:**	10/11/25
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CS9121.D	1	10/18/25 19:13	RS	10/17/25 07:45	OP68253A	ECS470
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.402	0.080	0.040	ug/l	
208-96-8	Acenaphthylene	ND	0.080	0.040	ug/l	
120-12-7	Anthracene	0.0531	0.080	0.040	ug/l	J
56-55-3	Benzo(a)anthracene	0.0297	0.040	0.024	ug/l	J
50-32-8	Benzo(a)pyrene	0.0244	0.040	0.024	ug/l	J
205-99-2	Benzo(b)fluoranthene	0.0343	0.040	0.024	ug/l	J
191-24-2	Benzo(g,h,i)perylene	ND	0.080	0.040	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.080	0.040	ug/l	
218-01-9	Chrysene	ND	0.080	0.040	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.080	0.040	ug/l	
206-44-0	Fluoranthene	0.103	0.080	0.040	ug/l	
86-73-7	Fluorene	ND	0.080	0.040	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.080	0.040	ug/l	
91-20-3	Naphthalene	ND	0.080	0.040	ug/l	
85-01-8	Phenanthrene	0.0929	0.080	0.040	ug/l	
129-00-0	Pyrene	0.0981	0.080	0.040	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	64%		29-124%
321-60-8	2-Fluorobiphenyl	68%		23-122%
1718-51-0	Terphenyl-d14	65%		22-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: MW-EPA-09 10102025
Lab Sample ID: JE21034-1
Matrix: AQ - Water
Method: SW846 8015D
Project: Saratoga Springs, NY

Date Sampled: 10/10/25
Date Received: 10/11/25
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KM14258.D	1	10/21/25 13:05	JN	n/a	n/a	GKM598
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.11	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	87%		63-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-EPA-09 10102025		
Lab Sample ID:	JE21034-1	**Date Sampled:**	10/10/25
Matrix:	AQ - Water	**Date Received:**	10/11/25
Method:	RSK-175	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	AA118157.D	1	10/22/25 10:27	WC	n/a	n/a	GAA3393
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	52.8	0.11	0.080	ug/l	

(a) (pH= 6)Sample pH did not satisfy field preservation criteria.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-EPA-09 10102025		
Lab Sample ID:	JE21034-1	**Date Sampled:**	10/10/25
Matrix:	AQ - Water	**Date Received:**	10/11/25
Method:	SW846 8015D SW846 3511	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Y97105.D	1	10/18/25 22:35	RK	10/17/25 15:00	OP68257	G3Y3747
Run #2							

	Initial Volume	Final Volume
Run #1	47.2 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.085	0.041	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	111%		70-130%
438-22-2	5a-Androstane	105%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-EPA-09 10102025
Lab Sample ID: JE21034-1
Matrix: AQ - Water
Project: Saratoga Springs, NY

Date Sampled: 10/10/25
Date Received: 10/11/25
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	1260	100	ug/l	1	10/20/25	10/21/25	MM	SW846 6010D [1]	SW846 3010A [2]
Manganese	325	15	ug/l	1	10/20/25	10/21/25	MM	SW846 6010D [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA59588
(2) Prep QC Batch: MP58085

RL = Reporting Limit

Report of Analysis

Client Sample ID: MW-EPA-09 10102025
Lab Sample ID: JE21034-1
Matrix: AQ - Water
Project: Saratoga Springs, NY

Date Sampled: 10/10/25
Date Received: 10/11/25
Percent Solids: n/a

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3 [a]	458	5.0	mg/l	1	10/20/25 19:21	GTT	SM2320 B-11/21
Nitrogen, Nitrate [b]	< 0.11	0.11	mg/l	1	10/27/25 19:49	JD	EPA353.2/SM4500NO2B
Nitrogen, Nitrate + Nitrite	< 0.10	0.10	mg/l	1	10/27/25 19:49	JD	EPA 353.2/LACHAT
Nitrogen, Nitrite [c]	< 0.010	0.010	mg/l	1	10/14/25 12:19	GT	SM4500NO2 B-11/21
Nitrogen, Total Kjeldahl	1.9	0.40	mg/l	1	10/21/25 17:03	SS	EPA 351.2/LACHAT
Sulfate	114	2.0	mg/l	1	10/21/25 02:21	MS	EPA 300/SW846 9056A
Sulfide	< 2.0	2.0	mg/l	1	10/16/25 14:04	GT	SM4500S2- F-11/21
Total Organic Carbon	2.2	1.0	mg/l	1	10/18/25 06:43	MB	SM5310 B-11/14

(a) Sample was titrated to a final pH of 4.5.
(b) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)
(c) Analysis done out of holding time.

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-EPA-09 10102025		
Lab Sample ID:	JE21034-1A	**Date Sampled:**	10/10/25
Matrix:	AQ - Water	**Date Received:**	10/11/25
Method:	SW846 8015D SW846 3511	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Y97118.D	1	10/19/25 02:50	RK	10/17/25 15:00	OP68257	G3Y3747
Run #2							

	Initial Volume	Final Volume
Run #1	47.9 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.084	0.040	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	122%		70-130%
438-22-2	5a-Androstane	112%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-EPA-10 10102025		
Lab Sample ID:	JE21034-3	**Date Sampled:**	10/10/25
Matrix:	AQ - Water	**Date Received:**	10/11/25
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L373963.D	1	10/23/25 04:12	BK	n/a	n/a	VL11478
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.50	0.43	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		80-120%
17060-07-0	1,2-Dichloroethane-D4	103%		80-120%
2037-26-5	Toluene-D8	98%		80-120%
460-00-4	4-Bromofluorobenzene	98%		82-114%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-EPA-10 10102025		
Lab Sample ID:	JE21034-3	**Date Sampled:**	10/10/25
Matrix:	AQ - Water	**Date Received:**	10/11/25
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2M144262.D	1	10/18/25 20:38	RS	10/15/25 13:00	OP68166A	E2M6525
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene [a]	ND	0.080	0.040	ug/l	
208-96-8	Acenaphthylene	ND	0.080	0.040	ug/l	
120-12-7	Anthracene	ND	0.080	0.040	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.040	0.024	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.040	0.024	ug/l	
205-99-2	Benzo(b)fluoranthene [b]	0.0257	0.040	0.024	ug/l	JB
191-24-2	Benzo(g,h,i)perylene	ND	0.080	0.040	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.080	0.040	ug/l	
218-01-9	Chrysene	ND	0.080	0.040	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.080	0.040	ug/l	
206-44-0	Fluoranthene	ND	0.080	0.040	ug/l	
86-73-7	Fluorene	ND	0.080	0.040	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.080	0.040	ug/l	
91-20-3	Naphthalene	ND	0.080	0.040	ug/l	
85-01-8	Phenanthrene	ND	0.080	0.040	ug/l	
129-00-0	Pyrene	ND	0.080	0.040	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	56%		29-124%
321-60-8	2-Fluorobiphenyl	56%		23-122%
1718-51-0	Terphenyl-d14	46%		22-130%

(a) Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
(b) Detected in the Method blank but below the reporting limit level.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-SS-09-07 10102025		
Lab Sample ID:	JE21034-4	**Date Sampled:**	10/10/25
Matrix:	AQ - Water	**Date Received:**	10/11/25
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L373964.D	1	10/23/25 04:37	BK	n/a	n/a	VL11478
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.50	0.43	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-120%
17060-07-0	1,2-Dichloroethane-D4	105%		80-120%
2037-26-5	Toluene-D8	97%		80-120%
460-00-4	4-Bromofluorobenzene	97%		82-114%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-SS-09-07 10102025		
Lab Sample ID:	JE21034-4	**Date Sampled:**	10/10/25
Matrix:	AQ - Water	**Date Received:**	10/11/25
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z176491.D	1	10/19/25 22:24	TL	10/15/25 13:00	OP68166A	EZ8690
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.080	0.040	ug/l	
208-96-8	Acenaphthylene	ND	0.080	0.040	ug/l	
120-12-7	Anthracene	ND	0.080	0.040	ug/l	
56-55-3	Benzo(a)anthracene [a]	ND	0.040	0.024	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.040	0.024	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.040	0.024	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.080	0.040	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.080	0.040	ug/l	
218-01-9	Chrysene	ND	0.080	0.040	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.080	0.040	ug/l	
206-44-0	Fluoranthene	ND	0.080	0.040	ug/l	
86-73-7	Fluorene	ND	0.080	0.040	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.080	0.040	ug/l	
91-20-3	Naphthalene	0.0671	0.080	0.040	ug/l	J
85-01-8	Phenanthrene	ND	0.080	0.040	ug/l	
129-00-0	Pyrene	ND	0.080	0.040	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	58%		29-124%
321-60-8	2-Fluorobiphenyl	65%		23-122%
1718-51-0	Terphenyl-d14	65%		22-130%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-EPA-02R 10102025		
Lab Sample ID:	JE21034-5	**Date Sampled:**	10/10/25
Matrix:	AQ - Water	**Date Received:**	10/11/25
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L373965.D	1	10/23/25 05:02	BK	n/a	n/a	VL11478
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.50	0.43	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		80-120%
17060-07-0	1,2-Dichloroethane-D4	103%		80-120%
2037-26-5	Toluene-D8	98%		80-120%
460-00-4	4-Bromofluorobenzene	97%		82-114%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-EPA-02R 10102025		
Lab Sample ID:	JE21034-5	**Date Sampled:**	10/10/25
Matrix:	AQ - Water	**Date Received:**	10/11/25
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2M144264.D	1	10/18/25 21:19	RS	10/15/25 13:00	OP68166A	E2M6525
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene [a]	1.81	0.080	0.040	ug/l	
208-96-8	Acenaphthylene	0.465	0.080	0.040	ug/l	
120-12-7	Anthracene	ND	0.080	0.040	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.040	0.024	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.040	0.024	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.040	0.024	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.080	0.040	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.080	0.040	ug/l	
218-01-9	Chrysene	ND	0.080	0.040	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.080	0.040	ug/l	
206-44-0	Fluoranthene	ND	0.080	0.040	ug/l	
86-73-7	Fluorene	0.289	0.080	0.040	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.080	0.040	ug/l	
91-20-3	Naphthalene	0.0642	0.080	0.040	ug/l	J
85-01-8	Phenanthrene	ND	0.080	0.040	ug/l	
129-00-0	Pyrene	ND	0.080	0.040	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	55%		29-124%
321-60-8	2-Fluorobiphenyl	64%		23-122%
1718-51-0	Terphenyl-d14	61%		22-130%

(a) Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Estimated value, due to corresponding failure in the batch associated CCV.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-ORS-01 10102025		
Lab Sample ID:	JE21034-6	**Date Sampled:**	10/10/25
Matrix:	AQ - Water	**Date Received:**	10/11/25
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1T25498.D	1	10/20/25 15:28	ED	n/a	n/a	V1T610
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.50	0.43	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		80-120%
17060-07-0	1,2-Dichloroethane-D4	104%		80-120%
2037-26-5	Toluene-D8	104%		80-120%
460-00-4	4-Bromofluorobenzene	102%		82-114%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-ORS-01 10102025		
Lab Sample ID:	JE21034-6	**Date Sampled:**	10/10/25
Matrix:	AQ - Water	**Date Received:**	10/11/25
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CS9122.D	1	10/18/25 19:40	RS	10/17/25 07:45	OP68253A	ECS470
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.080	0.040	ug/l	
208-96-8	Acenaphthylene	ND	0.080	0.040	ug/l	
120-12-7	Anthracene	ND	0.080	0.040	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.040	0.024	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.040	0.024	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.040	0.024	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.080	0.040	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.080	0.040	ug/l	
218-01-9	Chrysene	ND	0.080	0.040	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.080	0.040	ug/l	
206-44-0	Fluoranthene	ND	0.080	0.040	ug/l	
86-73-7	Fluorene	ND	0.080	0.040	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.080	0.040	ug/l	
91-20-3	Naphthalene	ND	0.080	0.040	ug/l	
85-01-8	Phenanthrene	ND	0.080	0.040	ug/l	
129-00-0	Pyrene	ND	0.080	0.040	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	68%		29-124%
321-60-8	2-Fluorobiphenyl	68%		23-122%
1718-51-0	Terphenyl-d14	76%		22-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-ORS-01 10102025		
Lab Sample ID:	JE21034-6	**Date Sampled:**	10/10/25
Matrix:	AQ - Water	**Date Received:**	10/11/25
Method:	SW846 8015D	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KM14259.D	1	10/21/25 13:30	JN	n/a	n/a	GKM598
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.11	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	89%		63-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-ORS-01 10102025		
Lab Sample ID:	JE21034-6	**Date Sampled:**	10/10/25
Matrix:	AQ - Water	**Date Received:**	10/11/25
Method:	RSK-175	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	AA118160.D	10	10/22/25 11:56	WC	n/a	n/a	GAA3393
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	337	1.1	0.80	ug/l	

(a) Bubble present in headspace.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-ORS-01 10102025		
Lab Sample ID:	JE21034-6	**Date Sampled:**	10/10/25
Matrix:	AQ - Water	**Date Received:**	10/11/25
Method:	SW846 8015D SW846 3511	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Y97106.D	1	10/18/25 22:54	RK	10/17/25 15:00	OP68257	G3Y3747
Run #2							

	Initial Volume	Final Volume
Run #1	58.1 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.069	0.033	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	113%		70-130%
438-22-2	5a-Androstane	108%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-ORS-01 10102025
Lab Sample ID: JE21034-6
Matrix: AQ - Water
Project: Saratoga Springs, NY

Date Sampled: 10/10/25
Date Received: 10/11/25
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	1410	100	ug/l	1	10/20/25	10/21/25	MM	SW846 6010D [1]	SW846 3010A [3]
Manganese	296	15	ug/l	1	10/20/25	10/22/25	MM	SW846 6010D [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA59588
(2) Instrument QC Batch: MA59598
(3) Prep QC Batch: MP58085

RL = Reporting Limit

Report of Analysis

Client Sample ID: MW-ORS-01 10102025
Lab Sample ID: JE21034-6
Matrix: AQ - Water
Project: Saratoga Springs, NY

Date Sampled: 10/10/25
Date Received: 10/11/25
Percent Solids: n/a

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3 [a]	718	5.0	mg/l	1	10/20/25 19:21	GTT	SM2320 B-11/21
Nitrogen, Nitrate [b]	0.58	0.11	mg/l	1	10/27/25 19:50	JD	EPA353.2/SM4500NO2B
Nitrogen, Nitrate + Nitrite	0.58	0.10	mg/l	1	10/27/25 19:50	JD	EPA 353.2/LACHAT
Nitrogen, Nitrite [c]	< 0.010	0.010	mg/l	1	10/14/25 12:19	GT	SM4500NO2 B-11/21
Nitrogen, Total Kjeldahl	0.91	0.40	mg/l	1	10/21/25 17:03	SS	EPA 351.2/LACHAT
Sulfate	10.3	2.0	mg/l	1	10/21/25 13:23	MS	EPA 300/SW846 9056A
Sulfide	< 2.0	2.0	mg/l	1	10/16/25 14:04	GT	SM4500S2- F-11/21
Total Organic Carbon	1.3	1.0	mg/l	1	10/18/25 08:39	MB	SM5310 B-11/14

(a) Sample was titrated to a final pH of 4.5.
(b) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)
(c) Analysis done out of holding time.

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-ORS-01 10102025		
Lab Sample ID:	JE21034-6A	**Date Sampled:**	10/10/25
Matrix:	AQ - Water	**Date Received:**	10/11/25
Method:	SW846 8015D SW846 3511	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Y97119.D	1	10/19/25 03:09	RK	10/17/25 15:00	OP68257	G3Y3747
Run #2							

	Initial Volume	Final Volume
Run #1	45.9 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.087	0.042	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	116%		70-130%
438-22-2	5a-Androstane	114%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-EPA-06 10102025		
Lab Sample ID:	JE21034-7	**Date Sampled:**	10/10/25
Matrix:	AQ - Water	**Date Received:**	10/11/25
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L373966.D	1	10/23/25 05:28	BK	n/a	n/a	VL11478
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.50	0.43	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		80-120%
17060-07-0	1,2-Dichloroethane-D4	100%		80-120%
2037-26-5	Toluene-D8	98%		80-120%
460-00-4	4-Bromofluorobenzene	96%		82-114%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-EPA-06 10102025		
Lab Sample ID:	JE21034-7	**Date Sampled:**	10/10/25
Matrix:	AQ - Water	**Date Received:**	10/11/25
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2M144265.D	1	10/18/25 21:40	RS	10/15/25 13:00	OP68166A	E2M6525
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene [a]	ND	0.080	0.040	ug/l	
208-96-8	Acenaphthylene	ND	0.080	0.040	ug/l	
120-12-7	Anthracene	ND	0.080	0.040	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.040	0.024	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.040	0.024	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.040	0.024	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.080	0.040	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.080	0.040	ug/l	
218-01-9	Chrysene	ND	0.080	0.040	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.080	0.040	ug/l	
206-44-0	Fluoranthene	ND	0.080	0.040	ug/l	
86-73-7	Fluorene	ND	0.080	0.040	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.080	0.040	ug/l	
91-20-3	Naphthalene	0.0769	0.080	0.040	ug/l	J
85-01-8	Phenanthrene	ND	0.080	0.040	ug/l	
129-00-0	Pyrene	ND	0.080	0.040	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	61%		29-124%
321-60-8	2-Fluorobiphenyl	78%		23-122%
1718-51-0	Terphenyl-d14	76%		22-130%

(a) Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-SS-09-06 10102025		
Lab Sample ID:	JE21034-8	**Date Sampled:**	10/10/25
Matrix:	AQ - Water	**Date Received:**	10/11/25
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L373967.D	1	10/23/25 05:53	BK	n/a	n/a	VL11478
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.50	0.43	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		80-120%
17060-07-0	1,2-Dichloroethane-D4	104%		80-120%
2037-26-5	Toluene-D8	99%		80-120%
460-00-4	4-Bromofluorobenzene	98%		82-114%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-SS-09-06 10102025		
Lab Sample ID:	JE21034-8	**Date Sampled:**	10/10/25
Matrix:	AQ - Water	**Date Received:**	10/11/25
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2M144266.D	1	10/18/25 22:00	RS	10/15/25 13:00	OP68166A	E2M6525
Run #2 [a]	CS9265.D	1	10/24/25 22:11	AC	10/22/25 15:00	OP68406A	ECS475

	Initial Volume	Final Volume
Run #1	250 ml	1.0 ml
Run #2	250 ml	1.0 ml

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene [b]	ND	0.080	0.040	ug/l	
208-96-8	Acenaphthylene	ND	0.080	0.040	ug/l	
120-12-7	Anthracene	ND	0.080	0.040	ug/l	
56-55-3	Benzo(a)anthracene	0.0644	0.040	0.024	ug/l	
50-32-8	Benzo(a)pyrene [c]	0.0571	0.040	0.024	ug/l	B
205-99-2	Benzo(b)fluoranthene [d]	0.0871	0.040	0.024	ug/l	B
191-24-2	Benzo(g,h,i)perylene	0.0610	0.080	0.040	ug/l	J
207-08-9	Benzo(k)fluoranthene	0.0658	0.080	0.040	ug/l	J
218-01-9	Chrysene	0.0597	0.080	0.040	ug/l	J
53-70-3	Dibenzo(a,h)anthracene	0.0706	0.080	0.040	ug/l	J
206-44-0	Fluoranthene	ND	0.080	0.040	ug/l	
86-73-7	Fluorene	ND	0.080	0.040	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.0674	0.080	0.040	ug/l	J
91-20-3	Naphthalene	ND	0.080	0.040	ug/l	
85-01-8	Phenanthrene	ND	0.080	0.040	ug/l	
129-00-0	Pyrene	ND	0.080	0.040	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	98%	86%	29-124%
321-60-8	2-Fluorobiphenyl	100%	84%	23-122%
1718-51-0	Terphenyl-d14	85%	89%	22-130%

(a) Sample extracted outside the holding time. Confirmation run.
(b) Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
(c) Detected in the Method blank but below the reporting limit level.
(d) Detected in the Method blank. Confirmation run extracted out of hold, result was ND

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200
www.sgs.com/ehsusa

Page 1 of 2

FEDEX Tracking #: 7392 7981 0000 — Bottle Order Control #: LM-10325-69
SGS Quote #: — SGS Job #: JE21034

Client / Reporting Information

Company Name: Arcadis
Street Address: 646 Plank Rd. Suite 100
City: Clifton — State: Park — Zip: NJ 12046
Project Contact: Matt Hysell — E-mail: matt.hysell@arcadis.com
Phone #: 315-671-9189
Sampler(s) Name(s): KK/AF — Phone #:

Project Information

Project Name: NG Saratoga
Street:
City: — State:
Project #: 30003945
Client Purchase Order #:
Project Manager: Matt Hysell
Attention:

Billing Information (if different from Report to)

Company Name:
Street Address:
City: — State: — Zip:

Analysis Requested

Matrix Codes
DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED - Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB - Field Blank
EB-Equipment Blank
RB - Rinse Blank
TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	BTEX	PAHs (SIM)	Iron and Manganese	Sulfate	Sulfide	TPH DRO	SGC TPH DRO	TPH GRO	Alkalinity	TKN	Nitrate	pH Check (Lab Use Only)	LAB USE ONLY
1	MW-EPA-09 10102025		10/10/25	10:20	KK/AF	G		W	24									X	X	X	X	X	X	X	X	X	X	X	
2	MSD 10092025		10/9/25	14:30	KK/AF	G		W	24									X	X	X	X	X	X	X	X	X	X	X	
3	MW-EPA-10 10102025		10/10/25	08:35	KK/AF	G		W	5									X	X										
4	MW-SS-09-09 10102025		10/10/25	12:00	KK/AF	G		W	5									X	X										
5	MW-EPA-02R 10102025		10/10/25	13:30	KK/AF	G		W	5									X	X										
6	MW-ORS-01 10102025		10/10/25	10:05	KK/AF	G		W	24									X	X	X	X	X	X	X	X	X	X	X	
7	MW-EPA-06 10102025		10/10/25	14:15	KK/AF	G		W	5									X	X										
8	MW-SS-09-06 10102025		10/10/25	15:10	KK/AF	G		W	5									X	X										

Initial Assessment 3/8
Label Verification

Turn Around Time (Business Days)

Approved By (SGS PM) / Date:

- [ ] 10 Business Days
- [ ] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other

All data available via SGS Engage — * Approval needed for 1-3 BD TAT

Deliverable

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NJGW Criteria 2025 *new*
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] MA MCP Criteria
- [ ] CT RCP Criteria
- [ ] State Forms
- [ ] EDD Format

8270 LVI

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Lab to run both TPH DRO and SGC TPH DRO

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished By:	Date / Time:	Received By:
1		10/10/25 1600	FED EX
2	FED EX	10/11 10:20	
3			
4			
5			

Custody Seal # — ☐ Intact ☐ Not Intact ☐ Absent

Therm ID: — See Sample Receipt Summary — On Ice — Cooler Temp. °C: 2.0 1.8

Ref No: G14

5.1 5

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL 732-329-0200
www.sgs.com/ehsusa

FED-EX Tracking # | Bottle Order Control #
SGS Quote # | SGS Job # JE21034

Client / Reporting Information

Company Name: Arcadis
Street Address: 646 Flank Rd Suite 100
City: Clifton Park State: NY Zip: 12046
Project Contact: Matt Hysell E-mail: matt.hysell@arcadis.com
Phone #: 315-671-9189
Sampler(s) Name(s): KK/AF Phone #

Project Information

Project Name: NG Saratoga
Street
City State
Project #: 30003945
Client Purchase Order #
Project Manager: Matt Hysell

Billing Information (if different from Report to)

Company Name:
Street Address
City State Zip
Attention:

Analysis Requested

TOC
Methane

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED - Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB - Field Blank
EB-Equipment Blank
RB - Rinse Blank
TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	EnCore	pH Check (Lab Use Only)		LAB USE ONLY
2	MSD 10092025		10/9/25	14:30	KK/AF	G		W	24									X	X	
1	MW-EPA-09 10102025		10/10/25	10:10	KK/AF	G		W	24									X	X	
6	MW-ORS-01 10102025		10/10/25	10:05	KK/AF	G		W	24									X	X	

Turn Around Time (Business Days)

Approved By (SGS PM) / Date:

- [X] 10 Business Days
- [ ] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other

All data available via SGS Engage | * Approval needed for 1-3 BD TAT

Deliverable

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NJGW Criteria 2025 *new*
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] MA MCP Criteria ____
- [ ] CT RCP Criteria ____
- [ ] State Forms
- [ ] EDD Format ____

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished By:	Date / Time:	Received By:
1	KK/AF	10/10/25	FED EX
2	FED EX	10/11 10:00	
3			
4			
5			

Custody Seal # ☐ Intact ☐ Not Intact ☐ Absent
Therm ID: On Ice Cooler Temp. °C
See Sample Receipt Summary

Ref No: G140222989

SGS Sample Receipt Summary

Job Number: je21034 **Client:** ARCADIS U.S. **Project:** SARATOGA SPRINGS, NY

Date / Time Received: 10/11/2025 10:30:00 AM **Delivery Method:** FEDEX **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (2.0); Cooler 2: (1.8);

Cooler Temps (Corrected) °C: Cooler 1: (2.1); Cooler 2: (1.9);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR-50		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	2		

Quality Control Preservatio	Y	or	N	N/A
1. Trip Blank present / cooler:	☑		☐	☐
2. Trip Blank listed on COC:	☑		☐	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

1. Received 1x 250ml EX volume for -3.2 with around 50ml in it. Limited volume.

ATF:
also received sample labeled as "MSD 10092025" 10/9/2025 @ 14:30. Currently labeled as JE21034-2. What sample does this MSD go with and where is the MS.

10/16/2025:
Update -2 intentially skipped.

Responded to by: Tammy Esposito McCloskey Response Date: 10/14/2025

1. Proceed as noted with comment only 1 x volume available for 8270. Client notified.

ATF:
JE21034-2, field ID "MSD 10092025" is the MSD to be used for JE20825-1, MW-EPA-07. Please relabel accordingly.
Per Matthew Hysell

JE21034: Chain of Custody
Page 4 of 4

Internal Sample Tracking Chronicle

Arcadis

Job No: JE21034

Saratoga Springs, NY
Project No: 30003945

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JE21034-1 Collected: 10-OCT-25 10:10 By: KK/AF Received: 11-OCT-25 By: KG MW-EPA-09 10102025						
JE21034-1	SM4500NO2 B-11/21	14-OCT-25 12:19	GT			NO2
JE21034-1	SM4500S2- F-11/21	16-OCT-25 14:04	GT			S
JE21034-1	SW846 8260D	18-OCT-25 04:24	ED			V8260BTX
JE21034-1	SM5310 B-11/14	18-OCT-25 06:43	MB	17-OCT-25	MB	TOC
JE21034-1	SW846 8270E BY SIM	18-OCT-25 19:13	RS	17-OCT-25	AY	BLV8270SIMPAH
JE21034-1	SW846 8015D	18-OCT-25 22:35	RK	17-OCT-25	BA	BLV8015DRO
JE21034-1	SM2320 B-11/21	20-OCT-25 19:21	GTT			ALK
JE21034-1	EPA 300/SW846 9056A	21-OCT-25 02:21	MS	20-OCT-25	MS	SO4
JE21034-1	SW846 6010D	21-OCT-25 11:29	MM	20-OCT-25	BP	FE,MN
JE21034-1	SW846 8015D	21-OCT-25 13:05	JN			V8015GRO
JE21034-1	EPA 351.2/LACHAT	21-OCT-25 17:03	SS	21-OCT-25	SS	TKN
JE21034-1	RSK-175	22-OCT-25 10:27	WC			VRSK175CH4
JE21034-1	EPA353.2/SM4500NO2B	27-OCT-25 19:49	JD			NO3O
JE21034-1	EPA 353.2/LACHAT	27-OCT-25 19:49	JD	27-OCT-25	JD	NO32
JE21034-3 Collected: 10-OCT-25 08:35 By: KK/AF Received: 11-OCT-25 By: KG MW-EPA-10 10102025						
JE21034-3	SW846 8270E BY SIM	18-OCT-25 20:38	RS	15-OCT-25	BD	BLV8270SIMPAH
JE21034-3	SW846 8260D	23-OCT-25 04:12	BK			V8260BTX
JE21034-4 Collected: 10-OCT-25 12:00 By: KK/AF Received: 11-OCT-25 By: KG MW-SS-09-07 10102025						
JE21034-4	SW846 8270E BY SIM	19-OCT-25 22:24	TL	15-OCT-25	BD	BLV8270SIMPAH
JE21034-4	SW846 8260D	23-OCT-25 04:37	BK			V8260BTX
JE21034-5 Collected: 10-OCT-25 13:30 By: KK/AF Received: 11-OCT-25 By: KG MW-EPA-02R 10102025						
JE21034-5	SW846 8270E BY SIM	18-OCT-25 21:19	RS	15-OCT-25	BD	BLV8270SIMPAH
JE21034-5	SW846 8260D	23-OCT-25 05:02	BK			V8260BTX
JE21034-6 Collected: 10-OCT-25 10:05 By: KK/AF Received: 11-OCT-25 By: KG MW-ORS-01 10102025						
JE21034-6	SM4500NO2 B-11/21	14-OCT-25 12:19	GT			NO2

Internal Sample Tracking Chronicle

Arcadis

Job No: JE21034

Saratoga Springs, NY
Project No: 30003945

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JE21034-6	SM4500S2- F-11/21	16-OCT-25 14:04	GT			S
JE21034-6	SM5310 B-11/14	18-OCT-25 08:39	MB	17-OCT-25	MB	TOC
JE21034-6	SW846 8270E BY SIM	18-OCT-25 19:40	RS	17-OCT-25	AY	BLV8270SIMPAH
JE21034-6	SW846 8015D	18-OCT-25 22:54	RK	17-OCT-25	BA	BLV8015DRO
JE21034-6	SW846 8260D	20-OCT-25 15:28	ED			V8260BTX
JE21034-6	SM2320 B-11/21	20-OCT-25 19:21	GTT			ALK
JE21034-6	SW846 6010D	21-OCT-25 11:43	MM	20-OCT-25	BP	FE
JE21034-6	EPA 300/SW846 9056A	21-OCT-25 13:23	MS	20-OCT-25	MS	SO4
JE21034-6	SW846 8015D	21-OCT-25 13:30	JN			V8015GRO
JE21034-6	EPA 351.2/LACHAT	21-OCT-25 17:03	SS	21-OCT-25	SS	TKN
JE21034-6	RSK-175	22-OCT-25 11:56	WC			VRSK175CH4
JE21034-6	SW846 6010D	22-OCT-25 12:20	MM	20-OCT-25	BP	MN
JE21034-6	EPA353.2/SM4500NO2B	27-OCT-25 19:50	JD			NO3O
JE21034-6	EPA 353.2/LACHAT	27-OCT-25 19:50	JD	27-OCT-25	JD	NO32
JE21034-7	Collected: 10-OCT-25 14:15 By: KK/AF MW-EPA-06 10102025		Received: 11-OCT-25		By: KG	
JE21034-7	SW846 8270E BY SIM	18-OCT-25 21:40	RS	15-OCT-25	BD	BLV8270SIMPAH
JE21034-7	SW846 8260D	23-OCT-25 05:28	BK			V8260BTX
JE21034-8	Collected: 10-OCT-25 15:10 By: KK/AF MW-SS-09-06 10102025		Received: 11-OCT-25		By: KG	
JE21034-8	SW846 8270E BY SIM	18-OCT-25 22:00	RS	15-OCT-25	BD	BLV8270SIMPAH
JE21034-8	SW846 8260D	23-OCT-25 05:53	BK			V8260BTX
JE21034-8	SW846 8270E BY SIM	24-OCT-25 22:11	AC	22-OCT-25	BD	BLV8270SIMPAH
JE21034-1A	Collected: 10-OCT-25 10:10 By: KK/AF MW-EPA-09 10102025		Received: 11-OCT-25		By: KG	
JE21034-1A	SW846 8015D	19-OCT-25 02:50	RK	17-OCT-25	BA	BLV8015DRO
JE21034-6A	Collected: 10-OCT-25 10:05 By: KK/AF MW-ORS-01 10102025		Received: 11-OCT-25		By: KG	
JE21034-6A	SW846 8015D	19-OCT-25 03:09	RK	17-OCT-25	BA	BLV8015DRO

SGS Internal Chain of Custody

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY
Received: 10/11/25

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE21034-1.1	Timothy Xu	Secured Storage	10/14/25 14:53	Return to Storage
JE21034-1.1	Secured Storage	Xavier Lamar	10/16/25 23:04	Retrieve from Storage
JE21034-1.1	Xavier Lamar	Secured Staging Area	10/16/25 23:04	Return to Storage
JE21034-1.1	Secured Staging Area	Ayse Yilmaz	10/17/25 06:04	Retrieve from Storage
JE21034-1.1	Ayse Yilmaz		10/17/25 07:01	Depleted
JE21034-1.1.1	Ayse Yilmaz	Organics Prep	10/17/25 06:09	Extract from JE21034-1.1
JE21034-1.2	Timothy Xu	Secured Storage	10/14/25 14:53	Return to Storage
JE21034-1.3	Timothy Xu	Secured Storage	10/14/25 14:53	Return to Storage
JE21034-1.3	Secured Storage	Ziyhon Parham	10/17/25 22:43	Retrieve from Storage
JE21034-1.3	Ziyhon Parham	Secured Staging Area	10/17/25 22:43	Return to Storage
JE21034-1.3	Secured Staging Area	Zakee Griffin	10/19/25 17:05	Retrieve from Storage
JE21034-1.3	Zakee Griffin	Secured Storage	10/20/25 17:15	Return to Storage
JE21034-1.4	Timothy Xu	Secured Storage	10/14/25 14:53	Return to Storage
JE21034-1.4	Secured Storage	Todd Shoemaker	10/20/25 15:24	Retrieve from Storage
JE21034-1.4	Todd Shoemaker	Secured Staging Area	10/20/25 15:25	Return to Storage
JE21034-1.4	Secured Staging Area	Sarah Sarantopoulos	10/20/25 17:56	Retrieve from Storage
JE21034-1.4	Sarah Sarantopoulos	Secured Storage	10/23/25 10:25	Return to Storage
JE21034-1.4	Secured Storage	Dave Hunkele	10/25/25 07:53	Retrieve from Storage
JE21034-1.4	Dave Hunkele	Secured Staging Area	10/25/25 07:53	Return to Storage
JE21034-1.4	Secured Staging Area	Joseph Dye	10/27/25 21:16	Retrieve from Storage
JE21034-1.4	Joseph Dye	Secured Storage	10/27/25 21:17	Return to Storage
JE21034-1.5	Timothy Xu	Secured Storage	10/14/25 14:53	Return to Storage
JE21034-1.6	Timothy Xu	Secured Storage	10/14/25 14:53	Return to Storage
JE21034-1.6	Secured Storage	Todd Shoemaker	10/16/25 14:22	Retrieve from Storage
JE21034-1.6	Todd Shoemaker	Secured Staging Area	10/16/25 14:22	Return to Storage
JE21034-1.6	Secured Staging Area	Grace Tambaro	10/16/25 16:31	Retrieve from Storage
JE21034-1.6	Grace Tambaro		10/16/25 17:31	Depleted
JE21034-1.7	Timothy Xu	Secured Storage	10/14/25 14:53	Return to Storage
JE21034-1.7	Secured Storage	Todd Shoemaker	10/16/25 14:22	Retrieve from Storage
JE21034-1.7	Todd Shoemaker	Secured Staging Area	10/16/25 14:22	Return to Storage
JE21034-1.7	Secured Staging Area	Grace Tambaro	10/16/25 16:31	Retrieve from Storage
JE21034-1.7	Grace Tambaro		10/16/25 17:31	Depleted
JE21034-1.8	Timothy Xu	Secured Storage	10/14/25 14:53	Return to Storage
JE21034-1.8	Secured Storage	Todd Shoemaker	10/20/25 15:24	Retrieve from Storage
JE21034-1.8	Todd Shoemaker	Secured Staging Area	10/20/25 15:25	Return to Storage
JE21034-1.8	Secured Staging Area	Sarah Sarantopoulos	10/20/25 17:56	Retrieve from Storage

SGS Internal Chain of Custody

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY
Received: 10/11/25

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE21034-1.8	Sarah Sarantopoulos	Secured Storage	10/23/25 10:25	Return to Storage
JE21034-1.9	Timothy Xu	Secured Storage	10/14/25 14:53	Return to Storage
JE21034-1.9	Secured Storage	Todd Shoemaker	10/17/25 11:52	Retrieve from Storage
JE21034-1.9	Todd Shoemaker	Secured Staging Area	10/17/25 11:52	Return to Storage
JE21034-1.9	Secured Staging Area	Grace Tambaro	10/17/25 11:58	Retrieve from Storage
JE21034-1.9	Grace Tambaro	Secured Storage	10/17/25 17:04	Return to Storage
JE21034-1.9	Secured Storage	Todd Shoemaker	10/20/25 10:57	Retrieve from Storage
JE21034-1.9	Todd Shoemaker	Secured Staging Area	10/20/25 10:58	Return to Storage
JE21034-1.9	Secured Staging Area	Grace Tambaro	10/20/25 11:30	Retrieve from Storage
JE21034-1.9	Grace Tambaro	Secured Storage	10/20/25 19:52	Return to Storage
JE21034-1.10	Secured Storage	Grace Tambaro	10/14/25 12:35	Retrieve from Storage
JE21034-1.10	Grace Tambaro	Secured Storage	10/14/25 17:38	Return to Storage
JE21034-1.10	Secured Storage	Dave Hunkele	10/17/25 13:36	Retrieve from Storage
JE21034-1.10	Dave Hunkele	Secured Staging Area	10/17/25 13:36	Return to Storage
JE21034-1.10	Secured Staging Area	Grace Tambaro	10/17/25 13:48	Retrieve from Storage
JE21034-1.10	Grace Tambaro	Secured Storage	10/17/25 17:04	Return to Storage
JE21034-1.11	Ziyhon Parham	Secured Storage	10/14/25 17:01	Return to Storage
JE21034-1.11	Secured Storage	Melanie Buen	10/17/25 11:04	Retrieve from Storage
JE21034-1.11	Melanie Buen	Secured Storage	10/20/25 11:07	Return to Storage
JE21034-1.12	Ziyhon Parham	Secured Storage	10/14/25 17:01	Return to Storage
JE21034-1.12	Secured Storage	Melanie Buen	10/17/25 11:04	Retrieve from Storage
JE21034-1.12	Melanie Buen	Secured Storage	10/20/25 11:07	Return to Storage
JE21034-1.13	Ziyhon Parham	Secured Storage	10/14/25 17:01	Return to Storage
JE21034-1.14	Ziyhon Parham	Secured Storage	10/14/25 17:01	Return to Storage
JE21034-1.15	Ziyhon Parham	Secured Storage	10/14/25 17:01	Return to Storage
JE21034-1.15	Secured Storage	Bhavin Amin	10/17/25 14:06	Retrieve from Storage
JE21034-1.15	Bhavin Amin	Secured Storage	10/25/25 10:01	Return to Storage
JE21034-1.15.1	Bhavin Amin	Organics Prep	10/17/25 14:06	Extract from JE21034-1.15
JE21034-1.16	Ziyhon Parham	Secured Storage	10/14/25 17:01	Return to Storage
JE21034-1.16	Secured Storage	Ziyhon Parham	10/16/25 23:37	Retrieve from Storage
JE21034-1.16	Ziyhon Parham	Secured Staging Area	10/16/25 23:37	Return to Storage
JE21034-1.16	Secured Storage	Bhavin Amin	10/17/25 14:06	Retrieve from Storage
Analyst unavailable for custody transfer.				
JE21034-1.16	Bhavin Amin	Secured Storage	10/25/25 10:01	Return to Storage

SGS Internal Chain of Custody

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY
Received: 10/11/25

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE21034-1.16.1	Bhavin Amin	Organics Prep	10/17/25 14:06	Extract from JE21034-1.16
JE21034-1.17	Ziyhon Parham	Secured Storage	10/14/25 17:01	Return to Storage
JE21034-1.18	Ziyhon Parham	Secured Storage	10/14/25 17:01	Return to Storage
JE21034-1.19	Ziyhon Parham	Secured Storage	10/14/25 17:01	Return to Storage
JE21034-1.19	Secured Storage	John Nieradka	10/21/25 12:17	Retrieve from Storage
JE21034-1.19	John Nieradka	GCKM	10/21/25 12:17	Load on Instrument
JE21034-1.20	Ziyhon Parham	Secured Storage	10/14/25 17:01	Return to Storage
JE21034-1.21	Ziyhon Parham	Secured Storage	10/14/25 17:01	Return to Storage
JE21034-1.21	Secured Storage	William Cruser	10/22/25 06:58	Retrieve from Storage
JE21034-1.21	William Cruser		10/24/25 16:37	Depleted
JE21034-1.22	Ziyhon Parham	Secured Storage	10/14/25 17:01	Return to Storage
JE21034-1.23	Ziyhon Parham	Secured Storage	10/14/25 17:01	Return to Storage
JE21034-1.24	Ziyhon Parham	Secured Storage	10/14/25 17:01	Return to Storage
JE21034-3.1	Timothy Xu	Secured Storage	10/14/25 14:53	Return to Storage
JE21034-3.1	Secured Storage	Jabaery Ellis	10/14/25 22:55	Retrieve from Storage
JE21034-3.1	Jabaery Ellis	Secured Staging Area	10/14/25 23:02	Return to Storage
JE21034-3.1	Secured Staging Area	Doaa Salem	10/15/25 04:58	Retrieve from Storage
JE21034-3.1	Doaa Salem		10/16/25 07:36	Depleted
JE21034-3.1.1	Doaa Salem	Organics Prep	10/15/25 05:03	Extract from JE21034-3.1
JE21034-3.1.1	Organics Prep	Brandon Davis	10/16/25 01:15	Extract from JE21034-3.1
JE21034-3.1.1	Brandon Davis	Extract Storage	10/16/25 01:15	Return to Storage
JE21034-3.2	Timothy Xu	Secured Storage	10/14/25 14:53	Return to Storage
JE21034-3.3	Ziyhon Parham	Secured Storage	10/14/25 17:01	Return to Storage
JE21034-3.3	Secured Storage	Bridget Kelly	10/22/25 15:40	Retrieve from Storage
JE21034-3.3	Bridget Kelly	GCMSL	10/22/25 15:41	Load on Instrument
JE21034-3.3	GCMSL	Bridget Kelly	10/23/25 15:21	Unload from Instrument
JE21034-3.3	Bridget Kelly	Secured Storage	10/23/25 15:21	Return to Storage
JE21034-3.4	Ziyhon Parham	Secured Storage	10/14/25 17:01	Return to Storage
JE21034-3.5	Ziyhon Parham	Secured Storage	10/14/25 17:01	Return to Storage

SGS Internal Chain of Custody

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY
Received: 10/11/25

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE21034-4.1	Timothy Xu	Secured Storage	10/14/25 14:53	Return to Storage
JE21034-4.1	Secured Storage	Jabaery Ellis	10/14/25 22:55	Retrieve from Storage
JE21034-4.1	Jabaery Ellis	Secured Staging Area	10/14/25 23:02	Return to Storage
JE21034-4.1	Secured Staging Area	Doaa Salem	10/15/25 04:58	Retrieve from Storage
JE21034-4.1	Doaa Salem		10/16/25 07:36	Depleted
JE21034-4.1.1	Doaa Salem	Organics Prep	10/15/25 05:03	Extract from JE21034-4.1
JE21034-4.1.1	Organics Prep	Brandon Davis	10/16/25 01:15	Extract from JE21034-4.1
JE21034-4.1.1	Brandon Davis	Extract Storage	10/16/25 01:15	Return to Storage
JE21034-4.2	Timothy Xu	Secured Storage	10/14/25 14:53	Return to Storage
JE21034-4.3	Ziyhon Parham	Secured Storage	10/14/25 17:01	Return to Storage
JE21034-4.3	Secured Storage	Bridget Kelly	10/22/25 15:40	Retrieve from Storage
JE21034-4.3	Bridget Kelly	GCMSL	10/22/25 15:41	Load on Instrument
JE21034-4.3	GCMSL	Bridget Kelly	10/23/25 15:21	Unload from Instrument
JE21034-4.3	Bridget Kelly	Secured Storage	10/23/25 15:21	Return to Storage
JE21034-4.4	Ziyhon Parham	Secured Storage	10/14/25 17:01	Return to Storage
JE21034-4.5	Ziyhon Parham	Secured Storage	10/14/25 17:01	Return to Storage
JE21034-5.1	Timothy Xu	Secured Storage	10/14/25 14:53	Return to Storage
JE21034-5.2	Timothy Xu	Secured Storage	10/14/25 14:53	Return to Storage
JE21034-5.2	Secured Storage	Jabaery Ellis	10/14/25 22:55	Retrieve from Storage
JE21034-5.2	Jabaery Ellis	Secured Staging Area	10/14/25 23:02	Return to Storage
JE21034-5.2	Secured Staging Area	Doaa Salem	10/15/25 04:58	Retrieve from Storage
JE21034-5.2	Doaa Salem		10/16/25 07:36	Depleted
JE21034-5.2.1	Doaa Salem	Organics Prep	10/15/25 05:03	Extract from JE21034-5.2
JE21034-5.2.1	Organics Prep	Brandon Davis	10/16/25 01:15	Extract from JE21034-5.2
JE21034-5.2.1	Brandon Davis	Extract Storage	10/16/25 01:15	Return to Storage
JE21034-5.3	Ziyhon Parham	Secured Storage	10/14/25 17:01	Return to Storage
JE21034-5.4	Ziyhon Parham	Secured Storage	10/14/25 17:01	Return to Storage
JE21034-5.4	Secured Storage	Bridget Kelly	10/22/25 15:40	Retrieve from Storage
JE21034-5.4	Bridget Kelly	GCMSL	10/22/25 15:41	Load on Instrument
JE21034-5.4	GCMSL	Bridget Kelly	10/23/25 15:21	Unload from Instrument
JE21034-5.4	Bridget Kelly	Secured Storage	10/23/25 15:21	Return to Storage
JE21034-5.5	Ziyhon Parham	Secured Storage	10/14/25 17:01	Return to Storage

SGS Internal Chain of Custody

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY
Received: 10/11/25

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE21034-6.1	Timothy Xu	Secured Storage	10/14/25 14:53	Return to Storage
JE21034-6.1	Secured Storage	Xavier Lamar	10/16/25 23:04	Retrieve from Storage
JE21034-6.1	Xavier Lamar	Secured Staging Area	10/16/25 23:04	Return to Storage
JE21034-6.1	Secured Staging Area	Ayse Yilmaz	10/17/25 06:04	Retrieve from Storage
JE21034-6.1	Ayse Yilmaz		10/17/25 07:01	Depleted
JE21034-6.1.1	Ayse Yilmaz	Organics Prep	10/17/25 06:09	Extract from JE21034-6.1
JE21034-6.2	Timothy Xu	Secured Storage	10/14/25 14:53	Return to Storage
JE21034-6.3	Timothy Xu	Secured Storage	10/14/25 14:53	Return to Storage
JE21034-6.3	Secured Storage	Ziyhon Parham	10/17/25 22:43	Retrieve from Storage
JE21034-6.3	Ziyhon Parham	Secured Staging Area	10/17/25 22:43	Return to Storage
JE21034-6.3	Secured Staging Area	Zakee Griffin	10/19/25 17:05	Retrieve from Storage
JE21034-6.3	Zakee Griffin	Secured Storage	10/20/25 17:15	Return to Storage
JE21034-6.4	Timothy Xu	Secured Storage	10/14/25 14:53	Return to Storage
JE21034-6.4	Secured Storage	Todd Shoemaker	10/20/25 15:24	Retrieve from Storage
JE21034-6.4	Todd Shoemaker	Secured Staging Area	10/20/25 15:25	Return to Storage
JE21034-6.4	Secured Staging Area	Sarah Sarantopoulos	10/20/25 17:56	Retrieve from Storage
JE21034-6.4	Sarah Sarantopoulos	Secured Storage	10/23/25 10:25	Return to Storage
JE21034-6.4	Secured Storage	Dave Hunkele	10/25/25 07:53	Retrieve from Storage
JE21034-6.4	Dave Hunkele	Secured Staging Area	10/25/25 07:53	Return to Storage
JE21034-6.4	Secured Staging Area	Joseph Dye	10/27/25 21:16	Retrieve from Storage
JE21034-6.4	Joseph Dye	Secured Storage	10/27/25 21:17	Return to Storage
JE21034-6.5	Timothy Xu	Secured Storage	10/14/25 14:53	Return to Storage
JE21034-6.6	Timothy Xu	Secured Storage	10/14/25 14:54	Return to Storage
JE21034-6.6	Secured Storage	Todd Shoemaker	10/16/25 14:22	Retrieve from Storage
JE21034-6.6	Todd Shoemaker	Secured Staging Area	10/16/25 14:22	Return to Storage
JE21034-6.6	Secured Staging Area	Grace Tambaro	10/16/25 16:31	Retrieve from Storage
JE21034-6.6	Grace Tambaro		10/16/25 17:31	Depleted
JE21034-6.7	Timothy Xu	Secured Storage	10/14/25 14:53	Return to Storage
JE21034-6.7	Secured Storage	Todd Shoemaker	10/16/25 14:22	Retrieve from Storage
JE21034-6.7	Todd Shoemaker	Secured Staging Area	10/16/25 14:22	Return to Storage
JE21034-6.7	Secured Staging Area	Grace Tambaro	10/16/25 16:31	Retrieve from Storage
JE21034-6.7	Grace Tambaro		10/16/25 17:31	Depleted
JE21034-6.8	Timothy Xu	Secured Storage	10/14/25 14:54	Return to Storage
JE21034-6.8	Secured Storage	Todd Shoemaker	10/20/25 15:24	Retrieve from Storage
JE21034-6.8	Todd Shoemaker	Secured Staging Area	10/20/25 15:25	Return to Storage
JE21034-6.8	Secured Staging Area	Sarah Sarantopoulos	10/20/25 17:56	Retrieve from Storage

SGS Internal Chain of Custody

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY
Received: 10/11/25

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE21034-6.8	Sarah Sarantopoulos	Secured Storage	10/23/25 10:25	Return to Storage
JE21034-6.9	Timothy Xu	Secured Storage	10/14/25 14:54	Return to Storage
JE21034-6.9	Secured Storage	Todd Shoemaker	10/17/25 11:52	Retrieve from Storage
JE21034-6.9	Todd Shoemaker	Secured Staging Area	10/17/25 11:52	Return to Storage
JE21034-6.9	Secured Staging Area	Grace Tambaro	10/17/25 11:58	Retrieve from Storage
JE21034-6.9	Grace Tambaro	Secured Storage	10/17/25 17:04	Return to Storage
JE21034-6.9	Secured Storage	Todd Shoemaker	10/20/25 10:57	Retrieve from Storage
JE21034-6.9	Todd Shoemaker	Secured Staging Area	10/20/25 10:58	Return to Storage
JE21034-6.9	Secured Staging Area	Grace Tambaro	10/20/25 11:30	Retrieve from Storage
JE21034-6.9	Grace Tambaro	Secured Storage	10/20/25 19:52	Return to Storage
JE21034-6.10	Secured Storage	Grace Tambaro	10/14/25 12:35	Retrieve from Storage
JE21034-6.10	Grace Tambaro	Secured Storage	10/14/25 17:38	Return to Storage
JE21034-6.10	Secured Storage	Dave Hunkele	10/17/25 13:36	Retrieve from Storage
JE21034-6.10	Dave Hunkele	Secured Staging Area	10/17/25 13:36	Return to Storage
JE21034-6.10	Secured Staging Area	Grace Tambaro	10/17/25 13:48	Retrieve from Storage
JE21034-6.10	Grace Tambaro	Secured Storage	10/17/25 17:04	Return to Storage
JE21034-6.11	Ziyhon Parham	Secured Storage	10/14/25 17:01	Return to Storage
JE21034-6.12	Ziyhon Parham	Secured Storage	10/14/25 17:01	Return to Storage
JE21034-6.13	Ziyhon Parham	Secured Storage	10/14/25 17:01	Return to Storage
JE21034-6.13	Secured Storage	Ziyhon Parham	10/16/25 23:37	Retrieve from Storage
JE21034-6.13	Ziyhon Parham	Secured Staging Area	10/16/25 23:37	Return to Storage
JE21034-6.13	Secured Storage	Bhavin Amin	10/17/25 14:06	Retrieve from Storage
Analyst unavailable for custody transfer.				
JE21034-6.13	Bhavin Amin	Secured Storage	10/25/25 10:01	Return to Storage
JE21034-6.13.1	Bhavin Amin	Organics Prep	10/17/25 14:06	Extract from JE21034-6.13
JE21034-6.14	Ziyhon Parham	Secured Storage	10/14/25 17:01	Return to Storage
JE21034-6.14	Secured Storage	Melanie Buen	10/17/25 11:04	Retrieve from Storage
JE21034-6.14	Melanie Buen	Secured Storage	10/20/25 11:07	Return to Storage
JE21034-6.15	Ziyhon Parham	Secured Storage	10/14/25 17:01	Return to Storage
JE21034-6.15	Secured Storage	Bhavin Amin	10/17/25 14:06	Retrieve from Storage
JE21034-6.15	Bhavin Amin	Secured Storage	10/25/25 10:01	Return to Storage
JE21034-6.15.1	Bhavin Amin	Organics Prep	10/17/25 14:06	Extract from JE21034-6.15
JE21034-6.17	Ziyhon Parham	Secured Storage	10/14/25 17:01	Return to Storage
JE21034-6.17	Secured Storage	John Nieradka	10/21/25 12:17	Retrieve from Storage

SGS Internal Chain of Custody

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY
Received: 10/11/25

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE21034-6.17	John Nieradka	GCKM	10/21/25 12:17	Load on Instrument
JE21034-6.18	Ziyhon Parham	Secured Storage	10/14/25 17:01	Return to Storage
JE21034-6.20	Ziyhon Parham	Secured Storage	10/14/25 17:01	Return to Storage
JE21034-6.21	Ziyhon Parham	Secured Storage	10/14/25 17:01	Return to Storage
JE21034-6.21	Secured Storage	Edward Durner	10/20/25 14:50	Retrieve from Storage
JE21034-6.21	Edward Durner	GCMS1T	10/20/25 14:51	Load on Instrument
JE21034-6.21	GCMS1T	Riley Braun	10/22/25 16:11	Unload from Instrument
JE21034-6.21	Riley Braun	Secured Storage	10/22/25 16:11	Return to Storage
JE21034-6.22	Ziyhon Parham	Secured Storage	10/14/25 17:01	Return to Storage
JE21034-6.23	Ziyhon Parham	Secured Storage	10/14/25 17:01	Return to Storage
JE21034-6.23	Secured Storage	William Cruser	10/22/25 06:58	Retrieve from Storage
JE21034-6.23	William Cruser		10/24/25 16:37	Depleted
JE21034-6.24	Ziyhon Parham	Secured Storage	10/14/25 17:01	Return to Storage
JE21034-7.1	Timothy Xu	Secured Storage	10/14/25 14:53	Return to Storage
JE21034-7.2	Timothy Xu	Secured Storage	10/14/25 14:53	Return to Storage
JE21034-7.2	Secured Storage	Jabaery Ellis	10/14/25 22:55	Retrieve from Storage
JE21034-7.2	Jabaery Ellis	Secured Staging Area	10/14/25 23:02	Return to Storage
JE21034-7.2	Secured Staging Area	Doaa Salem	10/15/25 04:58	Retrieve from Storage
JE21034-7.2	Doaa Salem		10/16/25 07:36	Depleted
JE21034-7.2.1	Doaa Salem	Organics Prep	10/15/25 05:03	Extract from JE21034-7.2
JE21034-7.2.1	Organics Prep	Brandon Davis	10/16/25 01:15	Extract from JE21034-7.2
JE21034-7.2.1	Brandon Davis	Extract Storage	10/16/25 01:15	Return to Storage
JE21034-7.3	Ziyhon Parham	Secured Storage	10/14/25 17:01	Return to Storage
JE21034-7.3	Secured Storage	Bridget Kelly	10/22/25 15:40	Retrieve from Storage
JE21034-7.3	Bridget Kelly	GCMSL	10/22/25 15:41	Load on Instrument
JE21034-7.3	GCMSL	Bridget Kelly	10/23/25 15:21	Unload from Instrument
JE21034-7.3	Bridget Kelly	Secured Storage	10/23/25 15:21	Return to Storage
JE21034-7.4	Ziyhon Parham	Secured Storage	10/14/25 17:01	Return to Storage
JE21034-7.5	Ziyhon Parham	Secured Storage	10/14/25 17:01	Return to Storage
JE21034-8.1	Timothy Xu	Secured Storage	10/14/25 14:53	Return to Storage
JE21034-8.1	Secured Storage	Jabaery Ellis	10/14/25 22:55	Retrieve from Storage

SGS Internal Chain of Custody

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY
Received: 10/11/25

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE21034-8.1	Jabaery Ellis	Secured Staging Area	10/14/25 23:02	Return to Storage
JE21034-8.1	Secured Staging Area	Doaa Salem	10/15/25 04:58	Retrieve from Storage
JE21034-8.1	Doaa Salem		10/16/25 07:36	Depleted
JE21034-8.1.1	Doaa Salem	Organics Prep	10/15/25 05:03	Extract from JE21034-8.1
JE21034-8.1.1	Organics Prep	Brandon Davis	10/16/25 01:15	Extract from JE21034-8.1
JE21034-8.1.1	Brandon Davis	Extract Storage	10/16/25 01:15	Return to Storage
JE21034-8.2	Timothy Xu	Secured Storage	10/14/25 14:53	Return to Storage
JE21034-8.2	Secured Storage	Ayse Yilmaz	10/22/25 07:16	Retrieve from Storage
JE21034-8.2.1	Ayse Yilmaz	Organics Prep	10/22/25 07:45	Extract from JE21034-8.2
JE21034-8.2.1	Organics Prep	Brandon Davis	10/22/25 19:40	Extract from JE21034-8.2
JE21034-8.2.1	Brandon Davis	Extract Storage	10/22/25 19:40	Return to Storage
JE21034-8.3	Ziyhon Parham	Secured Storage	10/14/25 17:01	Return to Storage
JE21034-8.4	Ziyhon Parham	Secured Storage	10/14/25 17:01	Return to Storage
JE21034-8.4	Secured Storage	Bridget Kelly	10/22/25 15:40	Retrieve from Storage
JE21034-8.4	Bridget Kelly	GCMSL	10/22/25 15:41	Load on Instrument
JE21034-8.4	GCMSL	Bridget Kelly	10/23/25 15:21	Unload from Instrument
JE21034-8.4	Bridget Kelly	Secured Storage	10/23/25 15:21	Return to Storage
JE21034-8.5	Ziyhon Parham	Secured Storage	10/14/25 17:01	Return to Storage

MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method Blank Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1K694-MB	1K25215.D	1	10/18/25	ED	n/a	n/a	V1K694

The QC reported here applies to the following samples: **Method:** SW846 8260D

JE21034-1

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.50	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	94%	80-120%
17060-07-0	1,2-Dichloroethane-D4	89%	80-120%
2037-26-5	Toluene-D8	99%	80-120%
460-00-4	4-Bromofluorobenzene	89%	82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

Method Blank Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1T610-MB	1T25486.D	1	10/20/25	ED	n/a	n/a	V1T610

The QC reported here applies to the following samples: **Method:** SW846 8260D

JE21034-6

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.50	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	105%	80-120%
17060-07-0	1,2-Dichloroethane-D4	102%	80-120%
2037-26-5	Toluene-D8	103%	80-120%
460-00-4	4-Bromofluorobenzene	103%	82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

Method Blank Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL11478-MB	L373956.D	1	10/23/25	BK	n/a	n/a	VL11478

The QC reported here applies to the following samples: **Method:** SW846 8260D

JE21034-3, JE21034-4, JE21034-5, JE21034-7, JE21034-8

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.50	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	98%	80-120%
17060-07-0	1,2-Dichloroethane-D4	101%	80-120%
2037-26-5	Toluene-D8	98%	80-120%
460-00-4	4-Bromofluorobenzene	98%	82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

Blank Spike Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1K694-BS	1K25211.D	1	10/17/25	ED	n/a	n/a	V1K694

The QC reported here applies to the following samples: **Method:** SW846 8260D

JE21034-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	50	45.1	90	80-115
100-41-4	Ethylbenzene	50	45.6	91	78-116
108-88-3	Toluene	50	44.7	89	79-116
1330-20-7	Xylene (total)	150	143	95	80-119

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	96%	80-120%
17060-07-0	1,2-Dichloroethane-D4	94%	80-120%
2037-26-5	Toluene-D8	94%	80-120%
460-00-4	4-Bromofluorobenzene	88%	82-114%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1T610-BS	1T25482.D	1	10/20/25	ED	n/a	n/a	V1T610

The QC reported here applies to the following samples: **Method:** SW846 8260D

JE21034-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	50	54.2	108	80-115
100-41-4	Ethylbenzene	50	49.6	99	78-116
108-88-3	Toluene	50	49.4	99	79-116
1330-20-7	Xylene (total)	150	154	103	80-119

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	103%	80-120%
17060-07-0	1,2-Dichloroethane-D4	107%	80-120%
2037-26-5	Toluene-D8	102%	80-120%
460-00-4	4-Bromofluorobenzene	108%	82-114%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL11478-BS	L373954.D	1	10/23/25	BK	n/a	n/a	VL11478

The QC reported here applies to the following samples: **Method:** SW846 8260D

JE21034-3, JE21034-4, JE21034-5, JE21034-7, JE21034-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	50	53.3	107	80-115
100-41-4	Ethylbenzene	50	54.1	108	78-116
108-88-3	Toluene	50	53.6	107	79-116
1330-20-7	Xylene (total)	150	162	108	80-119

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	80-120%
17060-07-0	1,2-Dichloroethane-D4	97%	80-120%
2037-26-5	Toluene-D8	103%	80-120%
460-00-4	4-Bromofluorobenzene	96%	82-114%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE21034-6MS	1K25219.D	4	10/18/25	ED	n/a	n/a	V1K694
JE21034-6MSD	1K25221.D	4	10/18/25	ED	n/a	n/a	V1K694
JE21034-6 [a]	1K25217.D	4	10/18/25	ED	n/a	n/a	V1K694

The QC reported here applies to the following samples: **Method:** SW846 8260D

JE21034-1

CAS No.	Compound	JE21034-6 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		200	182	91	200	184	92	1	49-137/12
100-41-4	Ethylbenzene	ND		200	177	89	200	183	92	3	37-144/12
108-88-3	Toluene	ND		200	180	90	200	185	93	3	46-139/12
1330-20-7	Xylene (total)	ND		600	558	93	600	573	96	3	38-147/12

CAS No.	Surrogate Recoveries	MS	MSD	JE21034-6	Limits
1868-53-7	Dibromofluoromethane	94%	96%		80-120%
17060-07-0	1,2-Dichloroethane-D4	90%	87%		80-120%
2037-26-5	Toluene-D8	97%	98%		80-120%
460-00-4	4-Bromofluorobenzene	89%	90%		82-114%

(a) Sample used for QC purposes only.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE21330-9MS [a]	1T25502.D	25	10/20/25	ED	n/a	n/a	V1T610
JE21330-9MSD [a]	1T25504.D	25	10/20/25	ED	n/a	n/a	V1T610
JE21330-9 [b]	1T25500.D	25	10/20/25	ED	n/a	n/a	V1T610

The QC reported here applies to the following samples: **Method:** SW846 8260D

JE21034-6

CAS No.	Compound	JE21330-9 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	28.2		1250	1390	109	1250	1410	111	1	49-137/12
100-41-4	Ethylbenzene	ND		1250	1360	109	1250	1390	111	2	37-144/12
108-88-3	Toluene	ND		1250	1330	106	1250	1370	110	3	46-139/12
1330-20-7	Xylene (total)	ND		3750	4190	112	3750	4300	115	3	38-147/12

CAS No.	Surrogate Recoveries	MS	MSD	JE21330-9	Limits
1868-53-7	Dibromofluoromethane	100%	101%	105%	80-120%
17060-07-0	1,2-Dichloroethane-D4	97%	97%	99%	80-120%
2037-26-5	Toluene-D8	102%	103%	102%	80-120%
460-00-4	4-Bromofluorobenzene	108%	109%	105%	82-114%

(a) (pH= 6) Sample is not acid preserved per method/client criteria. Sample analyzed within 7 days holding time.
(b) (pH= 6) Sample is not acid preserved per method/client criteria. Sample analyzed within 7 days holding time.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE21501-1MS	L373959.D	1	10/23/25	BK	n/a	n/a	VL11478
JE21501-1MSD	L373960.D	1	10/23/25	BK	n/a	n/a	VL11478
JE21501-1	L373957.D	1	10/23/25	BK	n/a	n/a	VL11478

The QC reported here applies to the following samples: **Method:** SW846 8260D

JE21034-3, JE21034-4, JE21034-5, JE21034-7, JE21034-8

CAS No.	Compound	JE21501-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		50	49.3	99	50	49.7	99	1	49-137/12
100-41-4	Ethylbenzene	ND		50	50.2	100	50	50.6	101	1	37-144/12
108-88-3	Toluene	ND		50	49.0	98	50	49.3	99	1	46-139/12
1330-20-7	Xylene (total)	ND		150	148	99	150	150	100	1	38-147/12

CAS No.	Surrogate Recoveries	MS	MSD	JE21501-1	Limits
1868-53-7	Dibromofluoromethane	98%	99%	103%	80-120%
17060-07-0	1,2-Dichloroethane-D4	97%	99%	103%	80-120%
2037-26-5	Toluene-D8	101%	101%	98%	80-120%
460-00-4	4-Bromofluorobenzene	96%	97%	97%	82-114%

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: V1K658-BFB
Lab File ID: 1K23792.D
Instrument ID: GCMS1K
Injection Date: 09/05/25
Injection Time: 20:18

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	82603	23.2		Pass
75	30.0 - 60.0% of mass 95	184587	51.8		Pass
95	Base peak, 100% relative abundance	356501	100.0		Pass
96	5.0 - 9.0% of mass 95	21565	6.05		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 100.0% of mass 95	273131	76.6		Pass
175	5.0 - 9.0% of mass 174	20635	5.79	(7.55) [a]	Pass
176	95.0 - 101.0% of mass 174	263531	73.9	(96.5) [a]	Pass
177	5.0 - 9.0% of mass 176	17485	4.90	(6.63) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V1K658-IC658	1K23794.D	09/05/25	21:07	00:49	Initial cal 0.2
V1K658-IC658	1K23796.D	09/05/25	21:41	01:23	Initial cal 0.5
V1K658-IC658	1K23798.D	09/05/25	22:16	01:58	Initial cal 1
V1K658-IC658	1K23800.D	09/05/25	22:50	02:32	Initial cal 2
V1K658-IC658	1K23802.D	09/05/25	23:24	03:06	Initial cal 4
V1K658-IC658	1K23804.D	09/05/25	23:58	03:40	Initial cal 8
V1K658-IC658	1K23806.D	09/06/25	00:32	04:14	Initial cal 20
V1K658-ICC658	1K23808.D	09/06/25	01:06	04:48	Initial cal 50
V1K658-IC658	1K23810.D	09/06/25	01:40	05:22	Initial cal 100
V1K658-IC658	1K23812.D	09/06/25	02:14	05:56	Initial cal 200
V1K658-ICV658	1K23818.D	09/06/25	03:56	07:38	Initial cal verification 50
V1K658-ICV658	1K23820.D	09/06/25	04:30	08:12	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: V1T579-BFB
Lab File ID: 1T23992.D
Instrument ID: GCMS1T
Injection Date: 09/18/25
Injection Time: 08:09

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	14.99 - 40.0% of mass 95	47848	19.7		Pass
75	30.0 - 60.0% of mass 95	132827	54.6		Pass
95	Base peak, 100% relative abundance	243328	100.0		Pass
96	5.0 - 9.0% of mass 95	16433	6.75		Pass
173	Less than 2.0% of mass 174	2651	1.09	(1.39) [a]	Pass
174	50.0 - 120.0% of mass 95	190909	78.5		Pass
175	5.0 - 9.0% of mass 174	15085	6.20	(7.90) [a]	Pass
176	95.0 - 101.0% of mass 174	185085	76.1	(96.9) [a]	Pass
177	5.0 - 9.0% of mass 176	11873	4.88	(6.41) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V1T579-IC579	1T23994.D	09/18/25	09:03	00:54	Initial cal 0.2
V1T579-IC579	1T23996.D	09/18/25	10:35	02:26	Initial cal 0.5
V1T579-IC579	1T23998.D	09/18/25	11:03	02:54	Initial cal 1
V1T579-IC579	1T24000.D	09/18/25	11:30	03:21	Initial cal 2
V1T579-IC579	1T24002.D	09/18/25	11:57	03:48	Initial cal 4
V1T579-IC579	1T24004.D	09/18/25	12:34	04:25	Initial cal 8
V1T579-IC579	1T24006.D	09/18/25	13:01	04:52	Initial cal 20
V1T579-ICC579	1T24008.D	09/18/25	13:29	05:20	Initial cal 50
V1T579-IC579	1T24010.D	09/18/25	13:57	05:48	Initial cal 100
V1T579-IC579	1T24012.D	09/18/25	14:24	06:15	Initial cal 200
V1T579-ICV579	1T24018.D	09/18/25	15:47	07:38	Initial cal verification 50
V1T579-ICV579	1T24020.D	09/18/25	16:14	08:05	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: VL11472-BFB
Lab File ID: L373782.D
Instrument ID: GCMSL
Injection Date: 10/16/25
Injection Time: 17:06

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	20173	19.6		Pass
75	30.0 - 60.0% of mass 95	49285	47.8		Pass
95	Base peak, 100% relative abundance	103136	100.0		Pass
96	5.0 - 9.0% of mass 95	6587	6.39		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	76611	74.3		Pass
175	5.0 - 9.0% of mass 174	5615	5.44	(7.33) [a]	Pass
176	95.0 - 101.0% of mass 174	74720	72.4	(97.5) [a]	Pass
177	5.0 - 9.0% of mass 176	4838	4.69	(6.47) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VL11472-IC11472	L373783.D	10/16/25	18:00	00:54	Initial cal 0.2
VL11472-IC11472	L373784.D	10/16/25	18:25	01:19	Initial cal 0.5
VL11472-IC11472	L373785.D	10/16/25	18:50	01:44	Initial cal 1
VL11472-IC11472	L373786.D	10/16/25	19:15	02:09	Initial cal 2
VL11472-IC11472	L373787.D	10/16/25	19:41	02:35	Initial cal 4
VL11472-IC11472	L373788.D	10/16/25	20:06	03:00	Initial cal 8
VL11472-IC11472	L373789.D	10/16/25	20:31	03:25	Initial cal 20
VL11472-ICC11472	L373790.D	10/16/25	20:56	03:50	Initial cal 50
VL11472-IC11472	L373791.D	10/16/25	21:22	04:16	Initial cal 100
VL11472-IC11472	L373792.D	10/16/25	21:47	04:41	Initial cal 200
VL11472-ICV11472	L373795.D	10/16/25	23:03	05:57	Initial cal verification 50
VL11472-ICV11472	L373796.D	10/16/25	23:28	06:22	Initial cal verification 50
VL11473-CC11472	L373801.D	10/17/25	14:36	21:30	Continuing cal 20
VL11473-BS	L373802.D	10/17/25	15:20	22:14	Blank Spike
VL11473-MB	L373804.D	10/17/25	16:11	23:05	Method Blank
JE20978-2	L373805.D	10/17/25	16:36	23:30	(used for QC only; not part of job JE21034)
ZZZZZZ	L373806.D	10/17/25	17:01	23:55	(unrelated sample)
JE20978-2MS	L373807.D	10/17/25	17:27	24:21	Matrix Spike
JE20978-2MSD	L373808.D	10/17/25	17:52	24:46	Matrix Spike Duplicate

Internal Standard Area Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Check Std:	V1K694-CC658	**Injection Date:**	10/17/25
Lab File ID:	1K25207.D	**Injection Time:**	22:46
Instrument ID:	GCMS1K	**Method:**	SW846 8260D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	422995	3.48	809679	4.80	1264002	5.16	1017370	7.11	504101	8.37
Upper Limit [a]	845990	3.98	1619358	5.30	2528004	5.66	2034740	7.61	1008202	8.87
Lower Limit [b]	211498	2.98	404840	4.30	632001	4.66	508685	6.61	252051	7.87

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
V1K694-BS	468342	3.49	855510	4.80	1350996	5.16	1112265	7.11	548911	8.37
V1K694-MB	387339	3.48	838624	4.80	1266167	5.16	1038096	7.10	507644	8.37
JE21034-6 [c]	401237	3.48	861021	4.80	1311056	5.16	1066491	7.10	513545	8.37
JE21034-6MS	511530	3.48	937020	4.80	1481661	5.16	1210293	7.10	583333	8.37
JE21034-6MSD	560053	3.48	990576	4.80	1588946	5.16	1286263	7.10	620819	8.37
ZZZZZZ	449028	3.48	879776	4.80	1357367	5.16	1123795	7.10	551585	8.37
JE21034-1	441303	3.49	864276	4.80	1309648	5.16	1098794	7.10	528294	8.37
ZZZZZZ	453994	3.49	818360	4.80	1233359	5.16	1034199	7.10	504150	8.37
ZZZZZZ	388505	3.48	798710	4.80	1206792	5.16	1002607	7.10	498700	8.37
ZZZZZZ	496872	3.48	937227	4.80	1450651	5.16	1202208	7.10	589331	8.37
ZZZZZZ	451551	3.48	895583	4.80	1357869	5.16	1122932	7.10	546360	8.37
ZZZZZZ	499043	3.48	923076	4.80	1445929	5.16	1188400	7.10	588276	8.37
ZZZZZZ	523858	3.48	950891	4.80	1478697	5.16	1202220	7.10	585670	8.37
ZZZZZZ	545286	3.48	945997	4.80	1539171	5.16	1217038	7.10	594463	8.37
ZZZZZZ	556169	3.48	996877	4.80	1511903	5.16	1271676	7.10	614074	8.37

IS 1 = Tert Butyl Alcohol-D9
IS 2 = Pentafluorobenzene
IS 3 = 1,4-Difluorobenzene
IS 4 = Chlorobenzene-D5
IS 5 = 1,4-Dichlorobenzene-d4

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Sample used for QC purposes only.

Internal Standard Area Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Check Std:	V1T610-CC579	**Injection Date:**	10/20/25
Lab File ID:	1T25478.D	**Injection Time:**	10:13
Instrument ID:	GCMS1T	**Method:**	SW846 8260D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	239605	1.99	458227	3.73	770037	4.31	640120	6.29	316683	7.56
Upper Limit [a]	479210	2.49	916454	4.23	1540074	4.81	1280240	6.79	633366	8.06
Lower Limit [b]	119803	1.49	229114	3.23	385019	3.81	320060	5.79	158342	7.06
Lab Sample ID	**IS 1 AREA**	**RT**	**IS 2 AREA**	**RT**	**IS 3 AREA**	**RT**	**IS 4 AREA**	**RT**	**IS 5 AREA**	**RT**
V1T610-BS	331476	1.99	485972	3.73	846537	4.31	701924	6.28	350901	7.56
V1T610-MB	191424	1.99	446025	3.73	734647	4.31	625135	6.28	314237	7.56
ZZZZZZ	284984	1.99	435934	3.72	716602	4.31	610501	6.28	315204	7.56
ZZZZZZ	190812	1.99	428341	3.73	714915	4.31	613034	6.28	303972	7.56
ZZZZZZ	180954	1.99	418939	3.73	693879	4.31	602325	6.28	302168	7.56
ZZZZZZ	187096	1.99	415707	3.73	694977	4.31	591584	6.28	298277	7.56
ZZZZZZ	200087	1.99	414878	3.73	707063	4.31	601795	6.28	306547	7.56
JE21034-6	177590	1.99	412557	3.73	692646	4.31	587038	6.28	297515	7.56
JE21330-9	198644	1.99	471681	3.72	770592	4.31	655864	6.28	329461	7.56
JE21330-9MS [c]	351860	1.99	616577	3.73	1072158	4.31	879182	6.28	434813	7.56
JE21330-9MSD [c]	380498	1.99	647574	3.73	1143771	4.31	915069	6.28	455775	7.56
ZZZZZZ	220333	1.99	632902	3.73	1039316	4.31	881751	6.28	442354	7.56
ZZZZZZ	259096	1.99	618963	3.73	1011348	4.31	855867	6.28	437847	7.56
ZZZZZZ	211569	1.98	509614	3.72	822578	4.31	689568	6.28	353029	7.56
ZZZZZZ	222849	1.98	500277	3.72	819764	4.31	693188	6.28	358231	7.56
ZZZZZZ	234686	1.99	473879	3.73	786860	4.32	666831	6.28	338394	7.56
ZZZZZZ	200456	1.99	446150	3.73	724953	4.31	616991	6.28	313346	7.56

IS 1 = Tert Butyl Alcohol-D9
IS 2 = Pentafluorobenzene
IS 3 = 1,4-Difluorobenzene
IS 4 = Chlorobenzene-D5
IS 5 = 1,4-Dichlorobenzene-d4

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) (pH= 6) Sample is not acid preserved per method/client criteria. Sample analyzed within 7 days holding time.

Internal Standard Area Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Check Std: VL11478-CC11472 **Injection Date:** 10/22/25
Lab File ID: L373952.D **Injection Time:** 23:34
Instrument ID: GCMSL **Method:** SW846 8260D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	217585	2.61	200171	3.75	340230	4.29	257389	6.61	129563	8.77
Upper Limit [a]	435170	3.11	400342	4.25	680460	4.79	514778	7.11	259126	9.27
Lower Limit [b]	108793	2.11	100086	3.25	170115	3.79	128695	6.11	64782	8.27

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
VL11478-BS	210080	2.61	199283	3.75	338330	4.29	256495	6.61	129388	8.77
VL11478-MB	206230	2.61	194909	3.75	310011	4.29	252350	6.61	122575	8.77
JE21501-1	214270	2.60	192565	3.75	314392	4.28	252327	6.61	126123	8.77
ZZZZZZ	203105	2.61	191617	3.75	311764	4.29	250117	6.61	124006	8.77
JE21501-1MS	227817	2.61	200285	3.75	337306	4.29	258680	6.61	130421	8.77
JE21501-1MSD	220772	2.61	201730	3.75	338427	4.28	261022	6.61	130175	8.77
ZZZZZZ	187113	2.61	186474	3.75	301373	4.29	231382	6.61	113152	8.77
JE21034-3	191644	2.61	182729	3.75	290356	4.29	238307	6.61	118313	8.77
JE21034-4	205068	2.61	189488	3.76	300500	4.29	249006	6.61	124570	8.78
JE21034-5	206659	2.61	189466	3.75	301949	4.29	245203	6.61	121843	8.77
JE21034-7	185679	2.61	181789	3.75	287292	4.29	232646	6.61	114369	8.78
JE21034-8	186384	2.61	184445	3.75	291629	4.29	238643	6.61	118969	8.77
ZZZZZZ	205325	2.61	186603	3.75	307971	4.29	238451	6.61	119512	8.77
ZZZZZZ	194299	2.61	188416	3.75	298535	4.29	241908	6.61	119315	8.77
ZZZZZZ	198197	2.61	181486	3.75	291948	4.29	233492	6.61	116937	8.77
ZZZZZZ	273522	2.61	201927	3.76	337227	4.29	257475	6.61	126436	8.78
ZZZZZZ	214419	2.61	198613	3.75	330568	4.29	254146	6.61	126303	8.77
ZZZZZZ	189869	2.61	186023	3.75	296287	4.29	240351	6.61	116872	8.77
ZZZZZZ	191875	2.61	189383	3.75	301631	4.29	243563	6.61	120025	8.77
ZZZZZZ	196026	2.61	189698	3.75	302224	4.29	241402	6.61	119411	8.77
ZZZZZZ	205125	2.61	186387	3.75	303623	4.29	248354	6.61	124930	8.78
ZZZZZZ	183595	2.61	178793	3.75	287468	4.29	227603	6.61	112505	8.77
ZZZZZZ	210447	2.61	190176	3.75	309636	4.29	247996	6.61	123513	8.77
ZZZZZZ	265587	2.61	205997	3.75	344373	4.29	269055	6.61	129873	8.77

IS 1 = Tert Butyl Alcohol-D9
IS 2 = Pentafluorobenzene
IS 3 = 1,4-Difluorobenzene
IS 4 = Chlorobenzene-D5
IS 5 = 1,4-Dichlorobenzene-d4

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Surrogate Recovery Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Method: SW846 8260D **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
JE21034-1	1K25227.D	95	87	98	90
JE21034-3	L373963.D	100	103	98	98
JE21034-4	L373964.D	99	105	97	97
JE21034-5	L373965.D	98	103	98	97
JE21034-6	1T25498.D	108	104	104	102
JE21034-6	1K25217.D				
JE21034-7	L373966.D	98	100	98	96
JE21034-8	L373967.D	98	104	99	98
JE21034-6MS	1K25219.D	94	90	97	89
JE21034-6MSD	1K25221.D	96	87	98	90
JE21330-9MS	1T25502.D	100	97	102	108
JE21330-9MSD	1T25504.D	101	97	103	109
JE21501-1MS	L373959.D	98	97	101	96
JE21501-1MSD	L373960.D	99	99	101	97
V1K694-BS	1K25211.D	96	94	94	88
V1K694-MB	1K25215.D	94	89	99	89
V1T610-BS	1T25482.D	103	107	102	108
V1T610-MB	1T25486.D	105	102	103	103
VL11478-BS	L373954.D	99	97	103	96
VL11478-MB	L373956.D	98	101	98	98

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	80-120%
S2 = 1,2-Dichloroethane-D4	80-120%
S3 = Toluene-D8	80-120%
S4 = 4-Bromofluorobenzene	82-114%

Initial Calibration Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: V1K658-ICC658
Lab FileID: 1K23808.D

Response Factor Report GCMSK

Method : C:\msdchem\1\methods\M1K658.M (RTE Integrator)
Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
Last Update : Mon Sep 08 11:46:54 2025
Response via : Initial Calibration

Calibration Files
4 =1K23802.D 0.5 =1K23796.D 8 =1K23804.D 50 =1K23808.D
100 =1K23810.D 1 =1K23798.D 200 =1K23812.D 20 =1K23806.D
2 =1K23800.D 0.2 =1K23794.D = =

Compound	4	0.5	8	50	100	1	200	20	2	0.2	Avg	%RSD
1) I tert butyl alcohol-d9	----------ISTD----------											
2) ethanol *This compolund fails initial calibration criteria for V8260 (AQ).	0.066	0.072	0.070	0.072	0.070	0.072	0.057			0.068		7.97
3) tertiary butyl alcohol	1.292	1.272	1.203	1.201	1.368	1.157	1.192	1.279		1.246		5.56
4) 1,4-dioxane	0.045	0.052	0.048	0.053	0.050	0.048				0.049		5.56
5) I pentafluorobenzene	----------ISTD----------											
6) chlorodifluoromethane	0.717	0.729	0.712	0.736	0.670	0.718	0.647	0.691	0.736		0.706	4.37
7) dichlorodifluoromethane	0.496	0.511	0.525	0.554	0.495	0.508	0.484	0.496	0.546	0.515	0.513	4.46
8) chloromethane	0.599	0.596	0.586	0.609	0.557	0.551	0.537	0.567	0.601	0.671	0.587	6.50
9) vinyl chloride	0.480	0.489	0.488	0.534	0.499	0.474	0.504	0.463	0.513	0.445	0.489	5.19
10) 1,3-butadiene	0.493	0.579	0.495	0.503	0.473	0.508	0.452	0.465	0.512		0.498	7.39
11) bromomethane	0.127		0.140	0.162	0.170	0.133	0.177	0.133	0.126		0.146	13.97
12) chloroethane	0.279	0.244	0.289	0.306	0.286	0.260	0.274	0.280	0.308	0.241	0.277	8.27
13) trichlorofluoromethane	0.707	0.647	0.692	0.738	0.683	0.648	0.675	0.673	0.715	0.661	0.684	4.32
14) ethyl ether	0.221	0.199	0.228	0.241	0.230	0.222	0.236	0.218	0.245		0.227	6.16
15) acrolein	0.099		0.105	0.116	0.112	0.111	0.110	0.105	0.103		0.108	5.24
16) freon 113	0.291	0.293	0.289	0.309	0.293	0.242	0.296	0.283	0.292		0.288	6.46
17) 1,1-dichloroethene	0.629	0.657	0.613	0.666	0.636	0.546	0.626	0.613	0.656	0.754	0.640	8.23
18) acetone	0.045	0.049	0.047	0.052	0.051	0.051	0.051	0.045	0.047		0.049	5.60
19) acetonitrile	0.056		0.064	0.071	0.068		0.067	0.063	0.059		0.064	7.95
20) iodomethane	0.226		0.266	0.389	0.388		0.391	0.316	0.188		0.309	27.28
----- Linear regression ----- Coefficient = 0.9983												
Response Ratio = -0.01201 + 0.39173 *A												
21) carbon disulfide	1.042	1.141	1.051	1.104	1.065	0.885	1.088	1.004	1.096		1.053	7.05

Initial Calibration Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: V1K658-ICC658
Lab FileID: 1K23808.D

22) methylene chloride
0.378 0.351 0.364 0.356 0.367 0.354 0.337 0.350 0.357 3.46
23) methyl acetate
0.077 0.075 0.089 0.088 0.076 0.092 0.077 0.090 0.083 8.78
24) methyl tert butyl ether
1.173 1.144 1.146 1.259 1.211 1.122 1.199 1.160 1.121 1.358 1.189 6.14
25) trans-1,2-dichloroethene
0.361 0.371 0.361 0.383 0.370 0.362 0.372 0.354 0.396 0.440 0.377 6.68
26) hexane
0.900 1.026 0.901 0.986 0.945 0.887 0.936 0.894 0.910 1.098 0.948 7.29
27) di-isopropyl ether
1.526 1.677 1.561 1.702 1.622 1.510 1.565 1.539 1.565 1.691 1.596 4.49
28) ethyl tert-butyl ether
1.350 1.359 1.381 1.509 1.467 1.361 1.438 1.350 1.361 1.596 1.417 5.92
29) 2-butanone
0.050 0.059 0.071 0.069 0.073 0.070 0.058 0.049 0.063 15.28
30) 1,1-dichloroethane
0.757 0.709 0.774 0.789 0.763 0.739 0.750 0.732 0.791 0.714 0.752 3.82
31) chloroprene
0.822 0.774 0.819 0.895 0.842 0.777 0.821 0.810 0.820 0.894 0.827 4.96
32) acrylonitrile
0.181 0.174 0.188 0.213 0.209 0.185 0.203 0.193 0.176 0.191 7.54
33) vinyl acetate
0.087 0.089 0.101 0.095 0.089 0.095 0.089 0.092 5.48
34) ethyl acetate
0.050 0.049 0.057 0.059 0.060 0.056 0.053 0.055 8.05
35) 2,2-dichloropropane
0.627 0.674 0.603 0.632 0.591 0.629 0.584 0.581 0.667 0.621 5.50
36) cis-1,2-dichloroethene
0.373 0.418 0.370 0.391 0.387 0.354 0.382 0.364 0.417 0.384 5.78
37) propionitrile
0.080 0.081 0.090 0.089 0.078 0.088 0.081 0.078 0.083 6.03
38) methyl acrylate
0.053 0.075 0.083 0.085 0.085 0.075 0.071 0.075 15.08
39) bromochloromethane
0.177 0.170 0.181 0.170 0.183 0.162 0.169 0.180 0.174 4.11
40) tetrahydrofuran
0.062 0.062 0.066 0.065 0.069 0.066 0.064 0.076 0.066 6.70
41) chloroform
0.704 0.700 0.714 0.686 0.830 0.676 0.680 0.770 0.720 7.42
42) dibromofluoromethane (s)
0.427 0.415 0.427 0.439 0.429 0.435 0.430 0.421 0.415 0.420 0.426 1.86
43) methacrylonitrile
0.227 0.208 0.222 0.215 0.212 0.206 0.265 0.222 9.20
44) 1,1,1-trichloroethane
0.605 0.651 0.620 0.628 0.605 0.591 0.599 0.595 0.652 0.616 3.75
45) cyclohexane
0.516 0.479 0.543 0.598 0.577 0.524 0.575 0.540 0.548 0.521 0.542 6.43
46) 1,1-dichloropropene
0.499 0.484 0.534 0.574 0.557 0.536 0.561 0.523 0.495 0.651 0.541 8.99
47) carbon tetrachloride
0.564 0.564 0.579 0.533 0.669 0.534 0.532 0.602 0.572 8.09
48) isobutyl alcohol
0.000 -1.00
49) tert-amyl alcohol
0.018 0.019 0.021 0.020 0.020 0.018 0.016 0.019 9.27

50) I 1,4-difluorobenzene ----------ISTD----------
51) 1,2-dichloroethane-d4 (s)
0.350 0.346 0.352 0.352 0.354 0.373 0.321 0.344 0.353 0.347 0.349 3.65

Initial Calibration Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: V1K658-ICC658
Lab FileID: 1K23808.D

52) iso-octane
0.931 0.966 0.897 0.947 0.905 0.921 0.894 0.902 0.937 1.074 0.937 5.71
53) benzene
0.900 0.992 0.934 0.986 0.965 0.923 0.950 0.915 0.946 1.081 0.959 5.41
54) tert-amyl methyl ether
0.766 0.903 0.772 0.798 0.786 0.774 0.775 0.740 0.765 0.786 5.89
55) heptane
0.135 0.137 0.143 0.136 0.151 0.140 0.135 0.166 0.143 7.49
56) isopropyl acetate
0.067 0.067 0.076 0.074 0.074 0.075 0.070 0.066 0.071 5.68
57) 1,2-dichloroethane
0.394 0.443 0.378 0.383 0.355 0.421 0.340 0.363 0.406 0.387 8.48
58) n-butyl alcohol
0.005 0.006 0.007 0.008 0.008 0.006 0.007 15.35
59) ethyl acrylate
0.463 0.476 0.487 0.510 0.485 0.457 0.471 0.471 0.484 0.478 3.29
60) trichloroethene
0.235 0.220 0.238 0.253 0.246 0.251 0.242 0.232 0.249 0.241 4.35
61) 2-nitropropane
0.122 0.114 0.117 0.108 0.103 0.111 0.133 0.115 8.63
62) 2-chloroethyl vinyl ether
0.159 0.176 0.166 0.188 0.181 0.174 0.173 0.173 0.150 0.171 6.77
63) methyl methacrylate
0.081 0.088 0.088 0.088 0.082 0.085 0.083 0.075 0.084 5.27
64) 1,2-dichloropropane
0.253 0.262 0.262 0.276 0.265 0.255 0.256 0.255 0.284 0.298 0.267 5.59
65) methylcyclohexane
0.161 0.200 0.168 0.177 0.170 0.176 0.171 0.165 0.180 0.174 6.48
66) dibromomethane
0.140 0.153 0.139 0.147 0.140 0.157 0.138 0.136 0.148 0.144 5.13
67) bromodichloromethane
0.323 0.326 0.318 0.333 0.316 0.330 0.309 0.315 0.359 0.325 4.51
68) epichlorohydrin
0.042 0.040 0.041 0.039 0.040 0.038 0.038 0.036 0.039 4.48
69) cis-1,3-dichloropropene
0.390 0.366 0.390 0.419 0.408 0.377 0.396 0.397 0.390 0.447 0.398 5.67
70) 4-methyl-2-pentanone
0.147 0.171 0.152 0.159 0.151 0.159 0.144 0.150 0.156 0.141 0.153 5.60
71) 3-methyl-1-butanol
0.006 0.007 0.008 0.008 0.007 0.008 0.007 0.006 0.007 9.30

72) I chlorobenzene-d5 ----------ISTD----------
73) toluene-d8 (s)
1.402 1.414 1.397 1.361 1.417 1.363 1.430 1.409 1.401 1.393 1.399 1.59
74) toluene
0.724 0.827 0.724 0.739 0.742 0.702 0.732 0.708 0.731 0.864 0.749 7.07
75) ethyl methacrylate
0.419 0.452 0.442 0.453 0.455 0.413 0.444 0.435 0.443 0.439 3.35
76) trans-1,3-dichloropropene
0.470 0.518 0.485 0.493 0.496 0.466 0.482 0.475 0.484 0.485 3.23
77) 1,1,2-trichloroethane
0.210 0.198 0.210 0.222 0.222 0.206 0.218 0.216 0.208 0.212 3.81
78) tetrachloroethene
0.280 0.311 0.282 0.284 0.288 0.290 0.285 0.282 0.317 0.291 4.60
79) 2-hexanone
0.188 0.209 0.196 0.200 0.196 0.186 0.187 0.196 0.204 0.208 0.197 4.34
80) 1,3-dichloropropane
0.464 0.469 0.476 0.496 0.493 0.434 0.481 0.462 0.506 0.472 0.475 4.28
81) butyl acetate
0.300 0.375 0.316 0.324 0.315 0.295 0.302 0.321 0.328 0.320 7.42

Initial Calibration Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: V1K658-ICC658
Lab FileID: 1K23808.D

82) dibromochloromethane
0.281 0.310 0.291 0.302 0.300 0.277 0.294 0.286 0.320 0.327 0.299 5.47
83) 1,2-dibromoethane
0.278 0.250 0.261 0.277 0.279 0.263 0.275 0.271 0.262 0.268 3.68
84) n-butyl ether
1.534 1.597 1.583 1.609 1.612 1.486 1.556 1.568 1.598 1.612 1.576 2.59
85) chlorobenzene
0.764 0.819 0.759 0.774 0.768 0.709 0.749 0.736 0.824 0.847 0.775 5.52
86) 1,1,1,2-tetrachloroethane
0.267 0.323 0.269 0.284 0.287 0.271 0.281 0.280 0.305 0.285 6.36
87) ethylbenzene
1.383 1.635 1.379 1.392 1.398 1.401 1.370 1.355 1.485 1.422 6.17
88) m,p-xylene
0.535 0.537 0.525 0.533 0.532 0.522 0.519 0.517 0.543 0.576 0.534 3.18
89) o-xylene
0.503 0.547 0.522 0.521 0.515 0.494 0.497 0.502 0.503 0.503 0.511 3.12
90) styrene
0.835 0.924 0.841 0.874 0.889 0.767 0.863 0.833 0.852 0.947 0.863 5.85
91) bromoform
0.207 0.231 0.209 0.222 0.222 0.198 0.216 0.220 0.220 0.185 0.213 6.33
92) butyl acrylate
0.806 0.874 0.848 0.865 0.849 0.763 0.798 0.842 0.838 0.831 4.27
93) isopropylbenzene
1.227 1.315 1.268 1.291 1.292 1.189 1.266 1.250 1.317 1.255 1.267 3.13
94) n-amyl acetate
0.264 0.256 0.288 0.275 0.274 0.289 0.259 0.271 0.284 0.268 0.273 4.20
95) cis-1,4-dichloro-2-butene
0.159 0.173 0.210 0.196 0.182 0.231 0.192 13.65

96) I 1,4-dichlorobenzene-d ----------ISTD----------
97) 4-bromofluorobenzene (s)
1.052 1.057 1.066 1.065 1.079 1.046 1.081 1.058 1.055 1.063 1.062 1.06
98) bromobenzene
0.647 0.696 0.677 0.663 0.669 0.630 0.649 0.653 0.686 0.663 3.15
99) 1,1,2,2-tetrachloroethane
0.792 0.880 0.828 0.825 0.825 0.853 0.804 0.791 0.838 0.826 3.49
100) trans-1,4-dichloro-2-butene
0.377 0.361 0.399 0.374 0.364 0.317 0.349 0.379 0.414 0.371 7.53
101) 1,2,3-trichloropropane
0.263 0.274 0.271 0.276 0.285 0.268 0.276 0.297 0.276 3.80
102) n-propylbenzene
2.987 3.209 3.072 3.167 3.225 2.715 3.161 3.033 3.154 3.040 3.076 4.88
103) 2-chlorotoluene
0.609 0.665 0.653 0.632 0.632 0.558 0.612 0.610 0.659 0.626 5.30
104) 4-chlorotoluene
1.942 2.076 2.024 2.034 2.069 1.876 2.026 1.970 1.935 2.232 2.018 4.88
105) 1,3,5-trimethylbenzene
2.047 2.056 2.146 2.170 2.208 1.936 2.147 2.074 2.196 2.055 2.103 4.01
106) tert-butylbenzene
1.790 1.790 1.781 1.817 1.833 1.834 1.795 1.733 1.880 1.806 2.28
107) 1,2,4-trimethylbenzene
2.131 2.223 2.116 2.217 2.243 1.985 2.223 2.110 2.166 2.401 2.181 5.01
108) sec-butylbenzene
2.340 2.384 2.400 2.504 2.504 2.267 2.496 2.394 2.424 2.487 2.420 3.28
109) 1,3-dichlorobenzene
1.177 1.264 1.205 1.243 1.243 1.154 1.224 1.190 1.223 1.214 2.91
110) p-isopropyltoluene
2.071 2.223 2.110 2.133 2.149 1.940 2.159 2.055 2.080 2.102 3.79
111) 1,4-dichlorobenzene
1.196 1.471 1.236 1.254 1.247 1.166 1.219 1.206 1.284 1.253 7.08

Initial Calibration Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: V1K658-ICC658
Lab FileID: 1K23808.D

```
112)  1,2-dichlorobenzene
       1.141 1.127 1.181 1.183 1.180 1.090 1.167 1.153 1.212        1.160    3.13
113)  1,2,3-trimethylbenzene
       2.157       2.241 2.256 2.272 2.102 2.238 2.194 2.304        2.221    2.97
114)  n-butylbenzene
       1.055 1.176 1.098 1.105 1.119 1.086 1.115 1.075 1.143 1.214  1.118    4.28
115)  1,2-dibromo-3-chloropropane
       0.228       0.231 0.238 0.238 0.232 0.233 0.228 0.240        0.234    1.99
116)  1,3,5-trichlorobenzene
       0.648 0.794 0.684 0.679 0.695 0.671 0.669 0.647 0.684        0.686    6.38
117)  1,2,4-trichlorobenzene
       0.593 0.730 0.585 0.609 0.615 0.584 0.601 0.584 0.601        0.611    7.48
118)  hexachlorobutadiene
       0.217       0.221 0.209 0.210       0.207 0.211 0.228        0.215    3.51
119)  naphthalene
       1.939 2.054 2.021 2.038 2.086 1.703 2.081 1.981 2.124        2.003    6.28
120)  1,2,3-trichlorobenzene
       0.537 0.568 0.534 0.553 0.560 0.484 0.548 0.535 0.542        0.540    4.46
121)  hexachloroethane
       0.375       0.367 0.367 0.371 0.378 0.369 0.360 0.445        0.379    7.19
122)  benzyl chloride
       0.356       0.364 0.373 0.366 0.347 0.355 0.377 0.388        0.366    3.60
123)  2-methylnaphthalene
       0.760       0.772 0.718 0.624 0.853 0.494 0.759 0.877        0.732   16.90

124) I   pentafluorobenzene(a) ----------------ISTD---------------------
125)  Freon 142B
                                                                     0.000   -1.00
126)  vinyl bromide
                                                                     0.000   -1.00
127)  allyl chloride
                                                                     0.000   -1.00

128) I   1,4-dichlorobenzene-d ----------------ISTD---------------------
129)  4-ethyltoluene
                                                                     0.000   -1.00
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           M1K658.M          Mon Sep 08 11:56:28 2025
```

Initial Calibration Verification

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: V1K658-ICV658
Lab FileID: 1K23818.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\Initials\VK658\1K23818.D Vial: 15
Acq On : 6 Sep 2025 3:56 am Operator: PrashanS
Sample : ICV658-50 Inst : GCMSK
Misc : MS95614,V1K658,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M1K658.M (RTE Integrator)
Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
Last Update : Mon Sep 08 11:46:54 2025
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	117	0.00	3.49
2		ethanol	0.068	0.083	-22.1	138	0.00	2.82
3	M	tertiary butyl alcohol	1.246	1.196	4.0	117	0.00	3.54
4		1,4-dioxane	0.049	0.061	-24.5	151	0.00	5.67
5	I	pentafluorobenzene	1.000	1.000	0.0	107	0.00	4.81
6		chlorodifluoromethane		----------NA----------				
7		dichlorodifluoromethane	0.513	0.487	5.1	94	0.00	1.71
8		chloromethane	0.587	0.615	-4.8	108	0.00	1.89
9		vinyl chloride	0.489	0.503	-2.9	101	0.00	1.96
10		1,3-butadiene	0.498	0.367	26.3	78	0.00	1.98
11		bromomethane	0.146	0.173	-18.5	114	0.00	2.25
12		chloroethane	0.277	0.277	0.0	97	0.00	2.36
13		trichlorofluoromethane	0.684	0.612	10.5	89	0.00	2.48
14		ethyl ether	0.227	0.246	-8.4	109	0.00	2.72
15		acrolein	0.108	0.116	-7.4	107	0.00	3.14
16		freon 113	0.288	0.278	3.5	96	0.00	2.92
17		1,1-dichloroethene	0.640	0.602	5.9	97	0.00	2.90
18		acetone	0.049	0.050	-2.0	104	0.00	3.35
19		acetonitrile	0.064	0.074	-15.6	113	0.00	3.69
		----------	True	Calc.	% Drift	----------		
20		iodomethane	50.000	42.477	15.0	88	0.00	3.02
		----------	AvgRF	CCRF	% Dev	----------		
21		carbon disulfide	1.053	1.014	3.7	98	0.00	2.94
22		methylene chloride	0.357	0.360	-0.8	106	0.00	3.33
23		methyl acetate	0.083	0.100	-20.5	120	0.00	3.43
24		methyl tert butyl ether	1.189	1.229	-3.4	104	0.00	3.51
25		trans-1,2-dichloroethene	0.377	0.373	1.1	104	0.00	3.45
26		hexane	0.948	0.928	2.1	101	0.00	3.50
27		di-isopropyl ether	1.596	1.592	0.3	100	0.00	3.76
28		ethyl tert-butyl ether	1.417	1.397	1.4	99	0.00	4.01
29		2-butanone	0.063	0.070	-11.1	106	0.00	4.59
30	M	1,1-dichloroethane	0.752	0.772	-2.7	105	0.00	3.87
31		chloroprene	0.827	0.799	3.4	95	0.00	3.86
32		acrylonitrile	0.191	0.196	-2.6	99	0.00	3.91
33		vinyl acetate	0.092	0.080	13.0	85	0.00	4.02
34		ethyl acetate	0.055	0.056	-1.8	106	0.00	4.45
35		2,2-dichloropropane	0.621	0.594	4.3	100	0.00	4.31
36		cis-1,2-dichloroethene	0.384	0.401	-4.4	110	0.00	4.23
37		propionitrile	0.083	0.093	-12.0	111	0.00	4.79

Initial Calibration Verification

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: V1K658-ICV658
Lab FileID: 1K23818.D

38		methyl acrylate	0.075	0.085	-13.3	109	0.00	4.47
39		bromochloromethane	0.174	0.182	-4.6	108	0.00	4.37
40		tetrahydrofuran	0.066	0.066	0.0	108	0.00	4.51
41		chloroform	0.720	0.716	0.6	107	0.00	4.40
42	S	dibromofluoromethane (s)	0.426	0.429	-0.7	105	0.00	4.52
43		methacrylonitrile	0.222	0.216	2.7	104	0.00	4.81
44		1,1,1-trichloroethane	0.616	0.631	-2.4	107	0.00	4.55
45		cyclohexane	0.542	0.642	-18.5	115	0.00	4.38
46		1,1-dichloropropene	0.541	0.561	-3.7	105	0.00	4.63
47		carbon tetrachloride	0.572	0.530	7.3	98	0.00	4.51
48		isobutyl alcohol		----------NA----------				
49		tert-amyl alcohol	0.019	0.022	-15.8	111	0.00	4.94
50	I	1,4-difluorobenzene	1.000	1.000	0.0	108	0.00	5.17
51	S	1,2-dichloroethane-d4 (s)	0.349	0.328	6.0	101	0.00	4.88
52		iso-octane	0.937	0.806	14.0	92	0.00	4.69
53	M	benzene	0.959	0.982	-2.4	108	0.00	4.79
54		tert-amyl methyl ether	0.786	0.740	5.9	100	0.00	4.84
55		heptane	0.143	0.136	4.9	103	0.00	4.74
56		isopropyl acetate	0.071	0.073	-2.8	105	0.00	5.03
57		1,2-dichloroethane	0.387	0.360	7.0	102	0.00	4.92
58		n-butyl alcohol	0.007	0.009	-28.6	130	0.00	5.31
59		ethyl acrylate	0.478	0.486	-1.7	103	0.00	5.47
60		trichloroethene	0.241	0.246	-2.1	105	0.00	5.16
61		2-nitropropane	0.115	0.113	1.7	104	0.00	6.31
62		2-chloroethyl vinyl ether	0.171	0.173	-1.2	100	0.00	5.92
63		methyl methacrylate	0.084	0.102	-21.4	125	0.00	5.62
64		1,2-dichloropropane	0.267	0.264	1.1	104	0.00	5.51
65		methylcyclohexane	0.174	0.176	-1.1	108	0.00	5.17
66		dibromomethane	0.144	0.139	3.5	102	0.00	5.45
67		bromodichloromethane	0.325	0.321	1.2	104	0.00	5.54
68		epichlorohydrin	0.039	0.041	-5.1	109	0.00	6.15
69		cis-1,3-dichloropropene	0.398	0.405	-1.8	105	0.00	5.99
70		4-methyl-2-pentanone	0.153	0.151	1.3	103	0.00	6.38
71		3-methyl-1-butanol	0.007	0.008	-14.3	121	0.00	6.22
72	I	chlorobenzene-d5	1.000	1.000	0.0	104	0.00	7.11
73	S	toluene-d8 (s)	1.399	1.402	-0.2	107	0.00	6.12
74		toluene	0.749	0.745	0.5	105	0.00	6.16
75		ethyl methacrylate	0.439	0.337	23.2	77	0.00	6.49
76		trans-1,3-dichloropropene	0.485	0.492	-1.4	104	0.00	6.42
77		1,1,2-trichloroethane	0.212	0.226	-6.6	106	0.00	6.53
78		tetrachloroethene		----------NA----------				
79		2-hexanone	0.197	0.196	0.5	102	0.00	6.91
80		1,3-dichloropropane	0.475	0.501	-5.5	105	0.00	6.71
81		butyl acetate	0.320	0.322	-0.6	103	0.00	6.83
82		dibromochloromethane	0.299	0.297	0.7	102	0.00	6.65
83		1,2-dibromoethane	0.268	0.284	-6.0	107	0.00	6.81
84		n-butyl ether	1.576	1.658	-5.2	107	0.00	7.01
85		chlorobenzene	0.775	0.773	0.3	104	0.00	7.12
86		1,1,1,2-tetrachloroethane	0.285	0.290	-1.8	106	0.00	7.15
87		ethylbenzene	1.422	1.400	1.5	105	0.00	7.12
88		m,p-xylene	0.534	0.539	-0.9	105	0.00	7.20
89		o-xylene	0.511	0.528	-3.3	106	0.00	7.45
90		styrene	0.863	0.659	23.6	78	0.00	7.48
91		bromoform	0.213	0.221	-3.8	104	0.00	7.51
92		butyl acrylate	0.831	0.866	-4.2	104	0.00	7.52
93		isopropylbenzene	1.267	1.268	-0.1	102	0.00	7.62
94		n-amyl acetate	0.273	0.280	-2.6	106	0.00	7.66
95		cis-1,4-dichloro-2-butene	0.192	0.200	-4.2	99	0.00	7.81

Initial Calibration Verification

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: V1K658-ICV658
Lab FileID: 1K23818.D

96	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	106	0.00	8.38
97	S	4-bromofluorobenzene (s)	1.062	1.051	1.0	104	0.00	7.79
98		bromobenzene	0.663	0.663	0.0	106	0.00	7.86
99		1,1,2,2-tetrachloroethane	0.826	0.807	2.3	103	0.00	7.88
100		trans-1,4-dichloro-2-bute	0.371	0.355	4.3	100	0.00	7.98
101		1,2,3-trichloropropane	0.276	0.265	4.0	103	0.00	7.96
102		n-propylbenzene	3.076	3.103	-0.9	104	0.00	7.85
103		2-chlorotoluene	0.626	0.636	-1.6	106	0.00	7.95
104		4-chlorotoluene	2.018	1.993	1.2	104	0.00	8.03
105		1,3,5-trimethylbenzene	2.103	2.127	-1.1	104	0.00	7.95
106		tert-butylbenzene	1.806	1.839	-1.8	107	0.00	8.12
107		1,2,4-trimethylbenzene	2.181	2.195	-0.6	105	0.00	8.15
108		sec-butylbenzene	2.420	2.460	-1.7	104	0.00	8.21
109		1,3-dichlorobenzene	1.214	1.193	1.7	101	0.00	8.34
110		p-isopropyltoluene	2.102	2.106	-0.2	104	0.00	8.28
111		1,4-dichlorobenzene	1.253	1.203	4.0	101	0.00	8.38
112		1,2-dichlorobenzene	1.160	1.149	0.9	103	0.00	8.60
113		1,2,3-trimethylbenzene		----------NA----------				
114		n-butylbenzene	1.118	1.093	2.2	105	0.00	8.49
115		1,2-dibromo-3-chloropropa	0.234	0.232	0.9	103	0.00	9.00
116		1,3,5-trichlorobenzene	0.686	0.742	-8.2	115	0.00	9.01
117		1,2,4-trichlorobenzene	0.611	0.598	2.1	104	0.00	9.33
118		hexachlorobutadiene	0.215	0.209	2.8	105	0.00	9.30
119		naphthalene	2.003	1.975	1.4	102	0.00	9.50
120		1,2,3-trichlorobenzene	0.540	0.532	1.5	102	0.00	9.60
121		hexachloroethane	0.379	0.358	5.5	103	0.00	8.59
122		benzyl chloride	0.366	0.350	4.4	99	0.00	8.50
123		2-methylnaphthalene	0.732	0.695	5.1	102	0.00	10.07
124	I	pentafluorobenzene(a)	1.000	1.000	0.0	107	0.00	4.81
125		Freon 142B		----------NA----------				
126		vinyl bromide		----------NA----------				
127		allyl chloride		----------NA----------				
128	I	1,4-dichlorobenzene-d4(a)	1.000	1.000	0.0	106	0.00	8.38
129		4-ethyltoluene		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1K23808.D M1K658.M Mon Sep 08 11:56:07 2025

Initial Calibration Verification

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: V1K658-ICV658
Lab FileID: 1K23820.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\Initials\VK658\1K23820.D Vial: 16
Acq On : 6 Sep 2025 4:30 am Operator: PrashanS
Sample : ICV658-50 Inst : GCMSK
Misc : MS95614,V1K658,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M1K658.M (RTE Integrator)
Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
Last Update : Mon Sep 08 11:46:54 2025
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	102	0.00	3.49
2		ethanol		----------NA----------				
3	M	tertiary butyl alcohol		----------NA----------				
4		1,4-dioxane		----------NA----------				
5	I	pentafluorobenzene	1.000	1.000	0.0	108	0.00	4.80
6		chlorodifluoromethane	0.706	0.582	17.6	86	0.00	1.75
7		dichlorodifluoromethane		----------NA----------				
8		chloromethane		----------NA----------				
9		vinyl chloride		----------NA----------				
10		1,3-butadiene		----------NA----------				
11		bromomethane		----------NA----------				
12		chloroethane		----------NA----------				
13		trichlorofluoromethane		----------NA----------				
14		ethyl ether		----------NA----------				
15		acrolein		----------NA----------				
16		freon 113		----------NA----------				
17		1,1-dichloroethene		----------NA----------				
18		acetone		----------NA----------				
19		acetonitrile	0.064	0.074	-15.6	114	0.00	3.69
		----------	True	Calc.	% Drift	----------		
20		iodomethane		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
21		carbon disulfide		----------NA----------				
22		methylene chloride		----------NA----------				
23		methyl acetate		----------NA----------				
24		methyl tert butyl ether		----------NA----------				
25		trans-1,2-dichloroethene		----------NA----------				
26		hexane		----------NA----------				
27		di-isopropyl ether		----------NA----------				
28		ethyl tert-butyl ether		----------NA----------				
29		2-butanone		----------NA----------				
30	M	1,1-dichloroethane		----------NA----------				
31		chloroprene		----------NA----------				
32		acrylonitrile	0.191	0.206	-7.9	105	0.00	3.90
33		vinyl acetate		----------NA----------				
34		ethyl acetate		----------NA----------				
35		2,2-dichloropropane		----------NA----------				
36		cis-1,2-dichloroethene		----------NA----------				
37		propionitrile		----------NA----------				

Initial Calibration Verification

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: V1K658-ICV658
Lab FileID: 1K23820.D

38		methyl acrylate		----------NA----------				
39		bromochloromethane		----------NA----------				
40		tetrahydrofuran		----------NA----------				
41		chloroform		----------NA----------				
42	S	dibromofluoromethane (s)	0.426	0.414	2.8	102	0.00	4.52
43		methacrylonitrile		----------NA----------				
44		1,1,1-trichloroethane		----------NA----------				
45		cyclohexane		----------NA----------				
46		1,1-dichloropropene		----------NA----------				
47		carbon tetrachloride		----------NA----------				
48		isobutyl alcohol		----------NA----------				
49		tert-amyl alcohol		----------NA----------				
50	I	1,4-difluorobenzene	1.000	1.000	0.0	104	0.00	5.17
51	S	1,2-dichloroethane-d4 (s)	0.349	0.320	8.3	95	0.00	4.87
52		iso-octane		----------NA----------				
53	M	benzene		----------NA----------				
54		tert-amyl methyl ether		----------NA----------				
55		heptane		----------NA----------				
56		isopropyl acetate		----------NA----------				
57		1,2-dichloroethane		----------NA----------				
58		n-butyl alcohol		----------NA----------				
59		ethyl acrylate		----------NA----------				
60		trichloroethene		----------NA----------				
61		2-nitropropane		----------NA----------				
62		2-chloroethyl vinyl ether		----------NA----------				
63		methyl methacrylate		----------NA----------				
64		1,2-dichloropropane		----------NA----------				
65		methylcyclohexane		----------NA----------				
66		dibromomethane		----------NA----------				
67		bromodichloromethane		----------NA----------				
68		epichlorohydrin		----------NA----------				
69		cis-1,3-dichloropropene		----------NA----------				
70		4-methyl-2-pentanone		----------NA----------				
71		3-methyl-1-butanol		----------NA----------				
72	I	chlorobenzene-d5	1.000	1.000	0.0	103	0.00	7.11
73	S	toluene-d8 (s)	1.399	1.405	-0.4	106	0.00	6.12
74		toluene		----------NA----------				
75		ethyl methacrylate		----------NA----------				
76		trans-1,3-dichloropropene		----------NA----------				
77		1,1,2-trichloroethane		----------NA----------				
78		tetrachloroethene	0.291	0.282	3.1	102	0.00	6.42
79		2-hexanone		----------NA----------				
80		1,3-dichloropropane		----------NA----------				
81		butyl acetate		----------NA----------				
82		dibromochloromethane		----------NA----------				
83		1,2-dibromoethane		----------NA----------				
84		n-butyl ether		----------NA----------				
85		chlorobenzene		----------NA----------				
86		1,1,1,2-tetrachloroethane		----------NA----------				
87		ethylbenzene		----------NA----------				
88		m,p-xylene		----------NA----------				
89		o-xylene		----------NA----------				
90		styrene		----------NA----------				
91		bromoform		----------NA----------				
92		butyl acrylate		----------NA----------				
93		isopropylbenzene		----------NA----------				
94		n-amyl acetate		----------NA----------				
95		cis-1,4-dichloro-2-butene		----------NA----------				

Initial Calibration Verification

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: V1K658-ICV658
Lab FileID: 1K23820.D

96	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	100	0.00	8.38
97	S	4-bromofluorobenzene (s)	1.062	1.062	0.0	100	0.00	7.79
98		bromobenzene		----------NA----------				
99		1,1,2,2-tetrachloroethane		----------NA----------				
100		trans-1,4-dichloro-2-bute		----------NA----------				
101		1,2,3-trichloropropane		----------NA----------				
102		n-propylbenzene		----------NA----------				
103		2-chlorotoluene		----------NA----------				
104		4-chlorotoluene		----------NA----------				
105		1,3,5-trimethylbenzene		----------NA----------				
106		tert-butylbenzene		----------NA----------				
107		1,2,4-trimethylbenzene		----------NA----------				
108		sec-butylbenzene		----------NA----------				
109		1,3-dichlorobenzene		----------NA----------				
110		p-isopropyltoluene		----------NA----------				
111		1,4-dichlorobenzene		----------NA----------				
112		1,2-dichlorobenzene		----------NA----------				
113		1,2,3-trimethylbenzene	2.221	2.473	-11.3	110	0.00	8.38
114		n-butylbenzene		----------NA----------				
115		1,2-dibromo-3-chloropropa		----------NA----------				
116		1,3,5-trichlorobenzene		----------NA----------				
117		1,2,4-trichlorobenzene		----------NA----------				
118		hexachlorobutadiene		----------NA----------				
119		naphthalene		----------NA----------				
120		1,2,3-trichlorobenzene		----------NA----------				
121		hexachloroethane		----------NA----------				
122		benzyl chloride		----------NA----------				
123		2-methylnaphthalene		----------NA----------				
124	I	pentafluorobenzene(a)	1.000	1.000	0.0	108	0.00	4.80
125		Freon 142B		----------NA----------				
126		vinyl bromide		----------NA----------				
127		allyl chloride		----------NA----------				
128	I	1,4-dichlorobenzene-d4(a)	1.000	1.000	0.0	100	0.00	8.38
129		4-ethyltoluene		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1K23808.D M1K658.M Mon Sep 08 11:59:18 2025

Continuing Calibration Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: V1K694-CC658
Lab FileID: 1K25207.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\d...1020\V1K694\1K25207.d Vial: 49
Acq On : 17 Oct 2025 10:46 pm Operator: EDWARDD
Sample : cc658-50 Inst : GCMSK
Misc : MS97898,V1K694,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M1K658.M (RTE Integrator)
Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
Last Update : Mon Oct 20 16:09:06 2025
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	124	0.00	3.48
2		ethanol	0.068	0.120	-76.5#	211#	0.00	2.81
3	M	tertiary butyl alcohol	1.246	1.159	7.0	120	0.00	3.53
4		1,4-dioxane	0.049	0.078	-59.2#	203#	0.00	5.66
5	I	pentafluorobenzene	1.000	1.000	0.0	103	0.00	4.80
6		chlorodifluoromethane	0.706	0.491	30.5#	69	0.00	1.74
7		dichlorodifluoromethane	0.513	0.426	17.0	79	0.00	1.71
8		chloromethane	0.587	0.544	7.3	92	0.00	1.89
9		vinyl chloride	0.489	0.491	-0.4	95	0.00	1.96
10		1,3-butadiene	0.498	0.412	17.3	85	0.00	1.97
11		bromomethane	0.146	0.117	19.9	75	0.00	2.24
12		chloroethane	0.277	0.210	24.2#	71	0.00	2.35
13		trichlorofluoromethane	0.684	0.555	18.9	78	0.00	2.47
14		ethyl ether	0.227	0.196	13.7	84	0.00	2.71
15		acrolein		----------NA----------				
16		freon 113	0.288	0.257	10.8	86	0.00	2.91
17		1,1-dichloroethene	0.640	0.528	17.5	82	0.00	2.89
18		acetone	0.049	0.046	6.1	93	0.00	3.34
19		acetonitrile	0.064	0.079	-23.4#	115	0.00	3.68
		----------	True	Calc.	% Drift	----------		
20		iodomethane	50.000	26.718	46.6#	52	0.00	3.01
		----------	AvgRF	CCRF	% Dev	----------		
21		carbon disulfide	1.053	0.878	16.6	82	0.00	2.93
22		methylene chloride	0.357	0.313	12.3	89	0.00	3.33
23		methyl acetate	0.083	0.072	13.3	84	0.00	3.42
24		methyl tert butyl ether	1.189	1.021	14.1	84	0.00	3.50
25		trans-1,2-dichloroethene	0.377	0.328	13.0	88	0.00	3.44
26		hexane	0.948	0.799	15.7	84	0.00	3.49
27		di-isopropyl ether	1.596	1.373	14.0	83	0.00	3.75
28		ethyl tert-butyl ether	1.417	1.220	13.9	84	0.00	4.00
29		2-butanone	0.063	0.062	1.6	90	0.00	4.58
30	M	1,1-dichloroethane	0.752	0.665	11.6	87	0.00	3.87
31		chloroprene	0.827	0.719	13.1	83	0.00	3.85
32		acrylonitrile		----------NA----------				
33		vinyl acetate	0.092	0.090	2.2	92	0.00	4.01
34		ethyl acetate	0.055	0.046	16.4	84	0.00	4.44
35		2,2-dichloropropane	0.621	0.549	11.6	90	0.00	4.30
36		cis-1,2-dichloroethene	0.384	0.342	10.9	90	0.00	4.23
37		propionitrile	0.083	0.086	-3.6	99	0.00	4.78

Continuing Calibration Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: V1K694-CC658
Lab FileID: 1K25207.D

38		methyl acrylate	0.075	0.072	4.0	89	0.00	4.46
39		bromochloromethane	0.174	0.164	5.7	94	0.00	4.36
40		tetrahydrofuran	0.066	0.056	15.2	88	0.00	4.51
41		chloroform	0.720	0.608	15.6	88	0.00	4.40
42	S	dibromofluoromethane (s)	0.426	0.395	7.3	93	0.00	4.51
43		methacrylonitrile	0.222	0.184	17.1	86	0.00	4.80
44		1,1,1-trichloroethane	0.616	0.534	13.3	88	0.00	4.55
45		cyclohexane	0.542	0.545	-0.6	94	0.00	4.37
46		1,1-dichloropropene	0.541	0.481	11.1	87	0.00	4.62
47		carbon tetrachloride	0.572	0.500	12.6	89	0.00	4.51
48		isobutyl alcohol		----------NA----------				
49		tert-amyl alcohol	0.019	0.022	-15.8	107	0.00	4.93
50	I	1,4-difluorobenzene	1.000	1.000	0.0	101	0.00	5.16
51	S	1,2-dichloroethane-d4 (s)	0.349	0.321	8.0	92	0.00	4.87
52		iso-octane	0.937	0.737	21.3#	78	0.00	4.68
53	M	benzene	0.959	0.861	10.2	88	0.00	4.79
54		tert-amyl methyl ether	0.786	0.676	14.0	85	0.00	4.83
55		heptane	0.143	0.128	10.5	90	0.00	4.73
56		isopropyl acetate	0.071	0.064	9.9	84	0.00	5.02
57		1,2-dichloroethane	0.387	0.319	17.6	84	0.00	4.91
58		n-butyl alcohol	0.007	0.011	-57.1#	149	0.00	5.30
59		ethyl acrylate	0.478	0.414	13.4	82	0.00	5.47
60		trichloroethene	0.241	0.240	0.4	95	0.00	5.15
61		2-nitropropane	0.115	0.099	13.9	85	0.00	6.30
62		2-chloroethyl vinyl ether	0.171	0.130	24.0#	69	0.00	5.91
63		methyl methacrylate	0.084	0.075	10.7	86	0.00	5.61
64		1,2-dichloropropane	0.267	0.239	10.5	87	0.00	5.50
65		methylcyclohexane	0.174	0.154	11.5	88	0.00	5.16
66		dibromomethane	0.144	0.127	11.8	87	0.00	5.44
67		bromodichloromethane	0.325	0.287	11.7	87	0.00	5.53
68		epichlorohydrin	0.039	0.039	0.0	96	0.00	6.15
69		cis-1,3-dichloropropene	0.398	0.360	9.5	87	0.00	5.98
70		4-methyl-2-pentanone	0.153	0.130	15.0	82	0.00	6.38
71		3-methyl-1-butanol	0.007	0.009	-28.6#	120	0.00	6.21
72	I	chlorobenzene-d5	1.000	1.000	0.0	98	0.00	7.11
73	S	toluene-d8 (s)	1.399	1.349	3.6	97	0.00	6.12
74		toluene	0.749	0.684	8.7	90	0.00	6.15
75		ethyl methacrylate	0.439	0.390	11.2	84	0.00	6.49
76		trans-1,3-dichloropropene	0.485	0.441	9.1	87	0.00	6.41
77		1,1,2-trichloroethane	0.212	0.196	7.5	86	0.00	6.52
78		tetrachloroethene	0.291	0.283	2.7	97	0.00	6.41
79		2-hexanone	0.197	0.170	13.7	83	0.00	6.90
80		1,3-dichloropropane	0.475	0.432	9.1	85	0.00	6.70
81		butyl acetate	0.320	0.276	13.7	83	0.00	6.83
82		dibromochloromethane	0.299	0.280	6.4	91	0.00	6.65
83		1,2-dibromoethane	0.268	0.246	8.2	87	0.00	6.81
84		n-butyl ether	1.576	1.461	7.3	89	0.00	7.01
85		chlorobenzene	0.775	0.767	1.0	97	0.00	7.12
86		1,1,1,2-tetrachloroethane	0.285	0.271	4.9	93	0.00	7.14
87		ethylbenzene	1.422	1.312	7.7	92	0.00	7.12
88		m,p-xylene	0.534	0.516	3.4	95	0.00	7.20
89		o-xylene	0.511	0.493	3.5	92	0.00	7.45
90		styrene	0.863	0.813	5.8	91	0.00	7.48
91		bromoform	0.213	0.203	4.7	89	0.00	7.51
92		butyl acrylate	0.831	0.758	8.8	86	0.00	7.52
93		isopropylbenzene	1.267	1.237	2.4	94	0.00	7.62
94		n-amyl acetate	0.273	0.242	11.4	86	0.00	7.66
95		cis-1,4-dichloro-2-butene	0.192	0.142	26.0#	66	0.00	7.81

Continuing Calibration Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: V1K694-CC658
Lab FileID: 1K25207.D

96	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	102	0.00	8.37
97	S	4-bromofluorobenzene (s)	1.062	0.935	12.0	89	0.00	7.78
98		bromobenzene	0.663	0.622	6.2	95	0.00	7.85
99		1,1,2,2-tetrachloroethane	0.826	0.706	14.5	87	0.00	7.88
100		trans-1,4-dichloro-2-bute	0.371	0.252	32.1#	68	0.00	7.97
101		1,2,3-trichloropropane	0.276	0.238	13.8	89	0.00	7.96
102		n-propylbenzene	3.076	2.864	6.9	92	0.00	7.85
103		2-chlorotoluene	0.626	0.610	2.6	98	0.00	7.94
104		4-chlorotoluene	2.018	1.759	12.8	88	0.00	8.03
105		1,3,5-trimethylbenzene	2.103	1.961	6.8	92	0.00	7.94
106		tert-butylbenzene	1.806	1.683	6.8	94	0.00	8.12
107		1,2,4-trimethylbenzene	2.181	1.985	9.0	91	0.00	8.15
108		sec-butylbenzene	2.420	2.281	5.7	93	0.00	8.21
109		1,3-dichlorobenzene	1.214	1.155	4.9	94	0.00	8.34
110		p-isopropyltoluene	2.102	2.004	4.7	96	0.00	8.27
111		1,4-dichlorobenzene	1.253	1.184	5.5	96	0.00	8.38
112		1,2-dichlorobenzene	1.160	1.113	4.1	96	0.00	8.60
113		1,2,3-trimethylbenzene	2.221	2.026	8.8	91	0.00	8.38
114		n-butylbenzene	1.118	0.987	11.7	91	0.00	8.49
115		1,2-dibromo-3-chloropropa	0.234	0.204	12.8	87	0.00	9.00
116		1,3,5-trichlorobenzene	0.686	0.643	6.3	96	0.00	9.01
117		1,2,4-trichlorobenzene	0.611	0.558	8.7	93	0.00	9.33
118		hexachlorobutadiene	0.215	0.201	6.5	98	0.00	9.30
119		naphthalene	2.003	1.791	10.6	89	0.00	9.50
120		1,2,3-trichlorobenzene	0.540	0.491	9.1	90	0.00	9.59
121		hexachloroethane	0.379	0.333	12.1	92	0.00	8.59
122		benzyl chloride	0.366	0.350	4.4	95	0.00	8.50
123		2-methylnaphthalene	0.732	0.538	26.5#	76	0.00	10.07
124	I	pentafluorobenzene(a)	1.000	1.000	0.0	103	0.00	4.80
125		Freon 142B		----------NA----------				
126		vinyl bromide		----------NA----------				
127		allyl chloride		----------NA----------				
128	I	1,4-dichlorobenzene-d4(a)	1.000	1.000	0.0	102	0.00	8.37
129		4-ethyltoluene		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1K25207.d M1K658.M Mon Oct 20 16:10:42 2025

Continuing Calibration Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: V1K694-CC658
Lab FileID: 1K25209.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\d...1020\V1K694\1K25209.d Vial: 51
Acq On : 17 Oct 2025 11:19 pm Operator: EDWARDD
Sample : cc658-1 Inst : GCMSK
Misc : MS97898,V1K694,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M1K658.M (RTE Integrator)
Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
Last Update : Mon Oct 20 16:09:06 2025
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 200% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	152	0.00	3.48
2		ethanol		----------NA----------				
3	M	tertiary butyl alcohol		----------NA----------				
4		1,4-dioxane		----------NA----------				
5	I	pentafluorobenzene	1.000	1.000	0.0	123	0.00	4.80
6		chlorodifluoromethane	0.706	0.484	31.4	83	0.00	1.75
7		dichlorodifluoromethane		----------NA----------				
8		chloromethane		----------NA----------				
9		vinyl chloride		----------NA----------				
10		1,3-butadiene		----------NA----------				
11		bromomethane		----------NA----------				
12		chloroethane	0.277	0.230	17.0	109	0.00	2.36
13		trichlorofluoromethane		----------NA----------				
14		ethyl ether		----------NA----------				
15		acrolein		----------NA----------				
16		freon 113		----------NA----------				
17		1,1-dichloroethene		----------NA----------				
18		acetone		----------NA----------				
19		acetonitrile		----------NA----------				
		----------	True	Calc.	% Drift	----------		
20		iodomethane	1.000	1.910	-91.0	0	0.00	3.02
		----------	AvgRF	CCRF	% Dev	----------		
21		carbon disulfide		----------NA----------				
22		methylene chloride		----------NA----------				
23		methyl acetate		----------NA----------				
24		methyl tert butyl ether		----------NA----------				
25		trans-1,2-dichloroethene		----------NA----------				
26		hexane		----------NA----------				
27		di-isopropyl ether		----------NA----------				
28		ethyl tert-butyl ether		----------NA----------				
29		2-butanone		----------NA----------				
30	M	1,1-dichloroethane		----------NA----------				
31		chloroprene		----------NA----------				
32		acrylonitrile		----------NA----------				
33		vinyl acetate		----------NA----------				
34		ethyl acetate		----------NA----------				
35		2,2-dichloropropane		----------NA----------				
36		cis-1,2-dichloroethene		----------NA----------				
37		propionitrile		----------NA----------				

Continuing Calibration Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: V1K694-CC658
Lab FileID: 1K25209.D

38		methyl acrylate		----------NA----------				
39		bromochloromethane		----------NA----------				
40		tetrahydrofuran		----------NA----------				
41		chloroform		----------NA----------				
42	S	dibromofluoromethane (s)	0.426	0.409	4.0	116	0.00	4.51
43		methacrylonitrile		----------NA----------				
44		1,1,1-trichloroethane		----------NA----------				
45		cyclohexane		----------NA----------				
46		1,1-dichloropropene		----------NA----------				
47		carbon tetrachloride		----------NA----------				
48		isobutyl alcohol		----------NA----------				
49		tert-amyl alcohol		----------NA----------				
50	I	1,4-difluorobenzene	1.000	1.000	0.0	124	0.00	5.16
51	S	1,2-dichloroethane-d4 (s)	0.349	0.311	10.9	103	0.00	4.87
52		iso-octane	0.937	0.693	26.0	93	0.00	4.69
53	M	benzene		----------NA----------				
54		tert-amyl methyl ether		----------NA----------				
55		heptane		----------NA----------				
56		isopropyl acetate		----------NA----------				
57		1,2-dichloroethane		----------NA----------				
58		n-butyl alcohol		----------NA----------				
59		ethyl acrylate		----------NA----------				
60		trichloroethene		----------NA----------				
61		2-nitropropane		----------NA----------				
62		2-chloroethyl vinyl ether	0.171	0.053	69.0	38#	0.00	5.92
63		methyl methacrylate		----------NA----------				
64		1,2-dichloropropane		----------NA----------				
65		methylcyclohexane		----------NA----------				
66		dibromomethane		----------NA----------				
67		bromodichloromethane		----------NA----------				
68		epichlorohydrin		----------NA----------				
69		cis-1,3-dichloropropene		----------NA----------				
70		4-methyl-2-pentanone		----------NA----------				
71		3-methyl-1-butanol		----------NA----------				
72	I	chlorobenzene-d5	1.000	1.000	0.0	120	0.00	7.10
73	S	toluene-d8 (s)	1.399	1.362	2.6	120	0.00	6.11
74		toluene		----------NA----------				
75		ethyl methacrylate		----------NA----------				
76		trans-1,3-dichloropropene		----------NA----------				
77		1,1,2-trichloroethane		----------NA----------				
78		tetrachloroethene		----------NA----------				
79		2-hexanone		----------NA----------				
80		1,3-dichloropropane		----------NA----------				
81		butyl acetate		----------NA----------				
82		dibromochloromethane		----------NA----------				
83		1,2-dibromoethane		----------NA----------				
84		n-butyl ether		----------NA----------				
85		chlorobenzene		----------NA----------				
86		1,1,1,2-tetrachloroethane		----------NA----------				
87		ethylbenzene		----------NA----------				
88		m,p-xylene		----------NA----------				
89		o-xylene		----------NA----------				
90		styrene		----------NA----------				
91		bromoform		----------NA----------				
92		butyl acrylate		----------NA----------				
93		isopropylbenzene		----------NA----------				
94		n-amyl acetate		----------NA----------				
95		cis-1,4-dichloro-2-butene	0.192	0.082	57.3	0#	0.00	7.81

Continuing Calibration Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: V1K694-CC658
Lab FileID: 1K25209.D

96	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	122	0.00	8.37	
97	S	4-bromofluorobenzene (s)	1.062	0.955	10.1	112	0.00	7.78	
98		bromobenzene		----------NA----------					
99		1,1,2,2-tetrachloroethane		----------NA----------					
100		trans-1,4-dichloro-2-bute	0.371	0.237	36.1	91	0.00	7.97	
101		1,2,3-trichloropropane		----------NA----------					
102		n-propylbenzene		----------NA----------					
103		2-chlorotoluene		----------NA----------					
104		4-chlorotoluene		----------NA----------					
105		1,3,5-trimethylbenzene		----------NA----------					
106		tert-butylbenzene		----------NA----------					
107		1,2,4-trimethylbenzene		----------NA----------					
108		sec-butylbenzene		----------NA----------					
109		1,3-dichlorobenzene		----------NA----------					
110		p-isopropyltoluene		----------NA----------					
111		1,4-dichlorobenzene		----------NA----------					
112		1,2-dichlorobenzene		----------NA----------					
113		1,2,3-trimethylbenzene		----------NA----------					
114		n-butylbenzene		----------NA----------					
115		1,2-dibromo-3-chloropropa		----------NA----------					
116		1,3,5-trichlorobenzene		----------NA----------					
117		1,2,4-trichlorobenzene		----------NA----------					
118		hexachlorobutadiene		----------NA----------					
119		naphthalene		----------NA----------					
120		1,2,3-trichlorobenzene		----------NA----------					
121		hexachloroethane		----------NA----------					
122		benzyl chloride		----------NA----------					
123		2-methylnaphthalene	0.732	1.653	-125.8	237#	0.00	10.06	
124	I	pentafluorobenzene(a)	1.000	1.000	0.0	123	0.00	4.80	
125		Freon 142B		----------NA----------					
126		vinyl bromide		----------NA----------					
127		allyl chloride		----------NA----------					
128	I	1,4-dichlorobenzene-d4(a)	1.000	1.000	0.0	122	0.00	8.37	
129		4-ethyltoluene		----------NA----------					

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1K23798.D M1K658.M Mon Oct 20 16:20:06 2025

Initial Calibration Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: V1T579-ICC579
Lab FileID: 1T24008.D

Response Factor Report GCMST

Method : C:\msdchem\1\methods\m1t579.m (RTE Integrator)
Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
Last Update : Fri Sep 19 11:55:28 2025
Response via : Initial Calibration

Calibration Files
4 =1T24002.D 0.5 =1T23996.D 8 =1T24004.D 50 =1T24008.D
100 =1T24010.D 1 =1T23998.D 200 =1T24012.D 20 =1T24006.D
2 =1T24000.D 0.2 =1T23994.D = =

Compound

	4	0.5	8	50	100	1	200	20	2	0.2	Avg	%RSD
1) I	tert butyl alcohol-d9 ----------ISTD----------											
2)	ethanol *This compound fails initial calibration criteria.*											
	0.103	0.112	0.072	0.053	0.223	0.042	0.092	0.118		0.102	55.10	
	----- Quadratic regression ----- Coefficient = 0.9864											
	Response Ratio = 0.02761 + 0.07700 *A + -0.00093 *A^2											
3)	tertiary butyl alcohol											
	0.812	0.895	0.818	0.828	0.825	0.901	0.913			0.856	5.22	
4)	1,4-dioxane											
	0.056	0.066	0.065	0.052	0.069	0.046	0.069	0.058		0.060	14.26	
5) I	pentafluorobenzene ----------ISTD----------											
6)	chlorodifluoromethane											
	0.374	0.403	0.419	0.366	0.359	0.456	0.338	0.391	0.403	0.390	9.13	
7)	dichlorodifluoromethane											
	0.454	0.440	0.512	0.481	0.477	0.433	0.453	0.500	0.458	0.468	5.73	
8)	chloromethane											
	0.262	0.325	0.295	0.264	0.265	0.270	0.261	0.287	0.259	0.276	8.02	
9)	vinyl chloride											
	0.358	0.368	0.422	0.390	0.395	0.341	0.364	0.406	0.343	0.376	7.58	
10)	1,3-butadiene											
	0.240	0.300	0.249	0.248	0.303	0.219	0.255	0.255		0.259	11.14	
11)	bromomethane											
	0.168	0.212	0.238	0.266	0.216	0.272	0.220	0.182		0.222	16.52	
12)	chloroethane											
	0.300	0.404	0.339	0.330	0.328	0.366	0.312	0.337	0.343	0.340	8.96	
13)	trichlorofluoromethane											
	0.775	0.851	0.925	0.858	0.840	0.832	0.804	0.887	0.796	0.841	5.54	
14)	ethyl ether											
	0.161	0.185	0.213	0.212	0.214	0.167	0.213	0.212	0.157	0.248	0.198	14.94
15)	acrolein											
	0.076	0.066	0.078	0.079	0.086	0.076	0.070	0.067		0.075	9.11	
16)	freon 113											
	0.233	0.299	0.288	0.279	0.238	0.273	0.286	0.252		0.269	9.13	
17)	1,1-dichloroethene											
	0.514	0.574	0.607	0.539	0.523	0.563	0.500	0.563	0.505	0.560	0.545	6.33
18)	acetone											
	0.046	0.050	0.045	0.044	0.056	0.043	0.046	0.045		0.047	8.96	
19)	acetonitrile											
	0.043	0.045	0.042	0.041	0.037	0.044	0.047			0.043	7.81	
20)	iodomethane *This compound fails initial calibration criteria.*											
	0.051	0.098	0.217	0.261	0.154	0.040				0.137	65.82	
	----- Quadratic regression ----- Coefficient = 0.9976											
	Response Ratio = -0.00666 + 0.15561 *A + 0.05585 *A^2											

Initial Calibration Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: V1T579-ICC579
Lab FileID: 1T24008.D

21) carbon disulfide
0.949 1.146 1.001 0.957 1.191 0.909 1.050 1.059 1.033 9.54
22) methylene chloride
0.388 0.409 0.456 0.375 0.363 0.453 0.346 0.406 0.354 0.394 10.27
23) methyl acetate
0.064 0.079 0.076 0.078 0.083 0.080 0.074 0.063 0.075 9.88
24) methyl tert butyl ether
0.551 0.716 0.850 0.912 0.572 0.770 0.489 0.694 23.15
----- Quadratic regression ----- Coefficient = 0.9990
Response Ratio = -0.00755 + 0.75664 *A + 0.08157 *A^2

25) trans-1,2-dichloroethene
0.348 0.410 0.433 0.369 0.376 0.347 0.356 0.386 0.322 0.357 0.370 8.79
26) hexane
0.378 0.474 0.531 0.561 0.403 0.570 0.528 0.376 0.478 17.05
27) di-isopropyl ether
0.517 0.496 0.617 0.682 0.749 0.530 0.763 0.631 0.503 0.710 0.620 16.74
28) ethyl tert-butyl ether
0.546 0.665 0.830 0.919 0.595 0.728 0.506 0.684 22.13
----- Quadratic regression ----- Coefficient = 0.9992
Response Ratio = -0.00548 + 0.70108 *A + 0.11279 *A^2

29) 2-butanone
0.033 0.041 0.055 0.059 0.061 0.045 0.024 0.046 30.51
----- Quadratic regression ----- Coefficient = 0.9987
Response Ratio = -0.00628 + 0.05417 *A + 0.00050 *A^2

30) 1,1-dichloroethane
0.515 0.523 0.589 0.565 0.570 0.588 0.562 0.577 0.523 0.557 5.20
31) chloroprene
0.268 0.361 0.452 0.487 0.481 0.406 0.409 20.53
----- Linear regression ----- Coefficient = 0.9994
Response Ratio = -0.01997 + 0.48562 *A

32) acrylonitrile
0.100 0.103 0.120 0.123 0.106 0.123 0.102 0.111 0.111 8.81
33) vinyl acetate
0.032 0.051 0.080 0.088 0.092 0.067 0.068 34.32
----- Linear regression ----- Coefficient = 0.9980
Response Ratio = -0.00603 + 0.09148 *A

34) ethyl acetate
0.024 0.033 0.048 0.052 0.054 0.042 0.042 27.56
----- Linear regression ----- Coefficient = 0.9988
Response Ratio = -0.00295 + 0.05349 *A

35) 2,2-dichloropropane
0.378 0.361 0.489 0.512 0.529 0.420 0.525 0.511 0.375 0.467 0.457 14.67
36) cis-1,2-dichloroethene
0.295 0.323 0.328 0.332 0.346 0.337 0.341 0.335 0.300 0.326 5.42
37) propionitrile
0.052 0.053 0.056 0.059 0.061 0.075 0.061 0.058 0.049 0.063 0.059 12.24
38) methyl acrylate
0.031 0.050 0.063 0.072 0.074 0.052 0.057 28.15
----- Linear regression ----- Coefficient = 0.9969
Response Ratio = -0.00419 + 0.07279 *A

39) bromochloromethane
0.147 0.160 0.172 0.169 0.164 0.188 0.156 0.175 0.165 0.161 0.166 6.83

Initial Calibration Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: V1T579-ICC579
Lab FileID: 1T24008.D

40) tetrahydrofuran
0.043 0.052 0.059 0.062 0.049 0.053 14.45
41) chloroform
0.146 0.163 0.155 0.139 0.137 0.215 0.133 0.148 0.141 0.153 16.38
42) dibromofluoromethane (s)
0.599 0.591 0.594 0.586 0.566 0.614 0.564 0.586 0.622 0.592 0.591 3.06
43) methacrylonitrile
0.089 0.120 0.146 0.161 0.170 0.130 0.136 21.75
----- Linear regression ----- Coefficient = 0.9976
Response Ratio = -0.00801 + 0.16670 *A

44) 1,1,1-trichloroethane
0.476 0.430 0.550 0.567 0.576 0.499 0.560 0.552 0.417 0.514 11.87
45) cyclohexane
0.284 0.359 0.447 0.472 0.475 0.409 0.272 0.388 21.98
----- Linear regression ----- Coefficient = 0.9989
Response Ratio = -0.01236 + 0.47304 *A

46) 1,1-dichloropropene
0.274 0.358 0.446 0.468 0.265 0.402 0.252 0.352 25.53
----- Quadratic regression ----- Coefficient = 0.9987
Response Ratio = -0.00481 + 0.39976 *A + 0.03686 *A^2

47) carbon tetrachloride
0.390 0.486 0.502 0.516 0.379 0.507 0.490 0.373 0.455 13.77
48) isobutyl alcohol
0.012 0.011 0.013 0.013 0.013 0.012 0.012 9.73
49) tert-amyl alcohol
0.014 0.015 0.018 0.018 0.018 0.018 0.015 0.017 10.49

50) I 1,4-difluorobenzene ----------ISTD----------
51) 1,2-dichloroethane-d4 (s)
0.382 0.360 0.384 0.387 0.358 0.383 0.357 0.378 0.387 0.361 0.374 3.41
52) iso-octane
0.310 0.354 0.382 0.429 0.450 0.318 0.456 0.412 0.286 0.377 16.86
53) benzene
0.576 0.602 0.691 0.701 0.729 0.597 0.707 0.694 0.537 0.708 0.654 10.45
54) tert-amyl methyl ether
0.337 0.458 0.405 0.462 0.509 0.435 0.534 0.424 0.338 0.433 15.60
55) heptane
0.067 0.066 0.080 0.084 0.068 0.083 0.080 0.059 0.073 12.53
56) isopropyl acetate
0.031 0.036 0.048 0.054 0.057 0.041 0.044 23.03
----- Linear regression ----- Coefficient = 0.9962
Response Ratio = -0.00292 + 0.05536 *A

57) 1,2-dichloroethane
0.264 0.299 0.300 0.270 0.274 0.350 0.269 0.282 0.253 0.285 10.19
58) n-butyl alcohol
0.005 0.004 0.006 0.006 0.005 0.005 0.005 11.51
59) ethyl acrylate
0.168 0.185 0.226 0.248 0.204 0.251 0.211 0.154 0.206 17.23
60) trichloroethene
0.158 0.175 0.199 0.210 0.147 0.209 0.191 0.139 0.179 15.68
61) 2-nitropropane
0.052 0.052 0.065 0.068 0.081 0.063 0.063 17.34
62) 2-chloroethyl vinyl ether
0.079 0.097 0.123 0.132 0.110 0.071 0.102 23.58
----- Quadratic regression ----- Coefficient = 0.9997
Response Ratio = -0.01040 + 0.11202 *A + 0.00216 *A^2

Initial Calibration Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: V1T579-ICC579
Lab FileID: 1T24008.D

63) methyl methacrylate *This compound fails initial calibration criteria.*
0.041 0.051 0.055 0.061 0.063 0.051 0.043 0.052 15.95
64) 1,2-dichloropropane
0.148 0.175 0.169 0.176 0.183 0.172 0.180 0.170 0.129 0.167 10.44
65) methylcyclohexane
0.092 0.123 0.140 0.148 0.152 0.128 0.091 0.125 19.82
66) dibromomethane
0.123 0.167 0.141 0.132 0.136 0.170 0.134 0.139 0.127 0.141 11.75
67) bromodichloromethane
0.227 0.268 0.273 0.276 0.287 0.287 0.283 0.279 0.219 0.267 9.59
68) epichlorohydrin
0.020 0.022 0.026 0.028 0.029 0.027 0.025 0.019 0.025 15.45
69) cis-1,3-dichloropropene
0.202 0.264 0.306 0.322 0.209 0.283 0.185 0.253 21.48
----- Quadratic regression ----- Coefficient = 0.9990
Response Ratio = -0.00278 + 0.27988 *A + 0.02242 *A^2

70) 4-methyl-2-pentanone
0.059 0.054 0.071 0.081 0.085 0.080 0.086 0.078 0.056 0.087 0.074 17.57
71) 3-methyl-1-butanol
0.006 0.005 0.006 0.007 0.006 0.006 0.006 0.006 9.97

72) I chlorobenzene-d5 ----------ISTD----------
73) toluene-d8 (s)
1.369 1.382 1.376 1.321 1.312 1.369 1.287 1.362 1.388 1.388 1.355 2.62
74) toluene
0.477 0.575 0.560 0.515 0.539 0.561 0.515 0.540 0.483 0.530 6.54
75) ethyl methacrylate
0.193 0.205 0.216 0.246 0.265 0.242 0.262 0.232 0.176 0.226 13.73
76) trans-1,3-dichloropropene
0.234 0.284 0.312 0.347 0.373 0.303 0.365 0.335 0.214 0.352 0.312 17.33
77) 1,1,2-trichloroethane
0.139 0.141 0.160 0.169 0.178 0.169 0.174 0.168 0.130 0.159 11.02
78) tetrachloroethene
0.197 0.222 0.234 0.224 0.229 0.242 0.227 0.227 0.188 0.221 7.86
79) 2-hexanone
0.071 0.066 0.083 0.097 0.101 0.080 0.098 0.092 0.061 0.083 17.74
80) 1,3-dichloropropane
0.273 0.279 0.331 0.351 0.368 0.347 0.355 0.336 0.262 0.332 0.323 11.74
81) butyl acetate
0.086 0.108 0.126 0.138 0.106 0.136 0.114 0.085 0.112 18.13
82) dibromochloromethane
0.201 0.222 0.244 0.254 0.268 0.245 0.265 0.253 0.214 0.241 9.64
83) 1,2-dibromoethane
0.179 0.174 0.216 0.222 0.233 0.229 0.227 0.218 0.183 0.209 11.20
84) n-butyl ether
0.564 0.708 0.767 0.811 0.697 0.763 0.751 0.524 0.698 14.63
85) chlorobenzene
0.541 0.639 0.643 0.591 0.615 0.711 0.589 0.621 0.569 0.613 8.01
86) 1,1,1,2-tetrachloroethane
0.188 0.193 0.213 0.217 0.232 0.241 0.231 0.218 0.181 0.213 9.95
87) ethylbenzene
0.888 1.034 1.008 1.006 1.028 1.049 0.965 1.018 0.846 0.982 7.15
88) m,p-xylene
0.342 0.375 0.396 0.399 0.409 0.377 0.388 0.405 0.317 0.379 8.09
89) o-xylene
0.297 0.385 0.337 0.376 0.391 0.364 0.378 0.364 0.264 0.351 12.46
90) styrene
0.434 0.504 0.572 0.646 0.672 0.551 0.648 0.626 0.435 0.565 16.13

Initial Calibration Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: V1T579-ICC579
Lab FileID: 1T24008.D

91) bromoform
0.154 0.182 0.183 0.184 0.195 0.208 0.198 0.185 0.161 0.183 9.32
92) butyl acrylate
0.259 0.293 0.318 0.382 0.411 0.325 0.395 0.356 0.246 0.332 17.73
93) n-amyl acetate
0.119 0.135 0.159 0.173 0.132 0.165 0.152 0.094 0.141 18.57
94) isopropylbenzene
0.724 0.800 0.918 0.996 1.036 0.762 0.953 0.979 0.665 1.080 0.891 16.05
95) cis-1,4-dichloro-2-butene
0.089 0.105 0.113 0.115 0.118 0.128 0.110 0.089 0.108 12.46

96) I 1,4-dichlorobenzene-d ----------ISTD----------
97) 4-bromofluorobenzene (s)
0.912 0.905 0.930 0.922 0.941 0.915 0.992 0.928 0.917 0.885 0.925 3.05
98) bromobenzene
0.421 0.564 0.489 0.466 0.489 0.569 0.500 0.489 0.423 0.490 10.59
99) 1,1,2,2-tetrachloroethane
0.527 0.655 0.595 0.579 0.603 0.734 0.623 0.588 0.532 0.604 10.45
100) trans-1,4-dichloro-2-butene
0.137 0.147 0.149 0.155 0.155 0.179 0.178 0.157 0.140 0.155 9.56
101) 1,2,3-trichloropropane
0.193 0.254 0.215 0.211 0.216 0.232 0.226 0.203 0.183 0.215 9.79
102) n-propylbenzene
1.827 2.262 2.232 2.259 2.361 2.228 2.243 2.286 1.817 2.168 9.24
103) 2-chlorotoluene
0.358 0.485 0.453 0.438 0.470 0.483 0.475 0.462 0.351 0.442 11.62
104) 4-chlorotoluene
1.158 1.347 1.416 1.413 1.476 1.530 1.440 1.436 1.159 1.375 9.61
105) 1,3,5-trimethylbenzene
1.209 1.364 1.545 1.664 1.721 1.507 1.667 1.691 1.156 1.503 14.19
106) tert-butylbenzene *This compound fails initial calibration criteria.*
0.981 1.070 1.224 1.311 1.398 1.165 1.376 1.307 0.868 1.189 15.44
107) 1,2,4-trimethylbenzene
1.224 1.275 1.577 1.713 1.777 1.525 1.699 1.719 1.153 1.518 15.79
108) sec-butylbenzene
1.402 1.463 1.820 1.925 1.992 1.573 1.924 1.891 1.326 1.702 15.23
109) 1,3-dichlorobenzene
0.795 0.910 0.916 0.930 0.946 1.048 0.934 0.952 0.780 0.912 8.92
110) p-isopropyltoluene
1.187 1.208 1.527 1.699 1.781 1.328 1.709 1.664 1.101 1.467 17.90
111) 1,4-dichlorobenzene
0.865 0.988 0.958 0.975 1.226 0.957 1.007 0.865 0.980 11.48
112) 1,2-dichlorobenzene
0.770 0.952 0.899 0.880 0.905 0.997 0.898 0.908 0.753 0.885 8.86
113) 1,2,3-trimethylbenzene
1.390 1.676 1.724 1.776 1.814 1.947 1.741 1.801 1.460 1.703 10.30
114) n-butylbenzene
0.276 0.320 0.349 0.397 0.419 0.369 0.411 0.393 0.256 0.354 16.70
115) 1,2-dibromo-3-chloropropane
0.154 0.194 0.180 0.167 0.179 0.238 0.182 0.173 0.144 0.179 14.92
116) 1,3,5-trichlorobenzene
0.490 0.607 0.584 0.589 0.607 0.653 0.611 0.596 0.491 0.581 9.43
117) 1,2,4-trichlorobenzene
0.431 0.546 0.492 0.513 0.533 0.536 0.541 0.515 0.406 0.501 10.03
118) hexachlorobutadiene
0.182 0.240 0.221 0.203 0.201 0.234 0.202 0.217 0.201 0.211 8.77
119) naphthalene
1.194 1.295 1.488 1.740 1.793 1.594 1.741 1.664 1.116 1.514 16.82
120) 1,2,3-trichlorobenzene
0.396 0.485 0.510 0.494 0.511 0.496 0.509 0.495 0.381 0.475 10.49

Initial Calibration Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: V1T579-ICC579
Lab FileID: 1T24008.D

```
121)  hexachloroethane
       0.239 0.275 0.287 0.309 0.331 0.293 0.352 0.307 0.239       0.292   12.99
122)  benzyl chloride
       0.191 0.227 0.235 0.267 0.287 0.279 0.297 0.257 0.191       0.248   15.95
123)  2-methylnaphthalene
       0.451       0.536 0.692 0.798       0.858 0.627             0.660   23.39
             ----- Linear regression -----  Coefficient =  0.9951
               Response Ratio = -0.02248 + 0.83270 *A


124) i   pentafluorobenzene(a) ----------------ISTD---------------------
125)  Freon 143A
                                                                     0.000   -1.00
126)  Freon 114
                                                                     0.000   -1.00
127)  Freon 142B
                                                                     0.000   -1.00
128)  Freon 141B
                                                                     0.000   -1.00
129)  vinyl bromide
                                                                     0.000   -1.00
130)  pentane
                                                                     0.000   -1.00
131)  allyl chloride
                                                                     0.000   -1.00

132) i   1,4-dichlorobenzene-d ----------------ISTD---------------------
133)  4-ethyltoluene
                                                                     0.000   -1.00
134)  1,4-diethylbenzene
                                                                     0.000   -1.00
135)  Indane
                                                                     0.000   -1.00
136)  1,2,4,5-tetramethylbenzene
                                                                     0.000   -1.00
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           m1t579.m          Fri Sep 19 12:26:15 2025
```

Initial Calibration Verification

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: V1T579-ICV579
Lab FileID: 1T24018.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\Initials\VT579\1T24018.D Vial: 13
Acq On : 18 Sep 2025 03:47 pm Operator: edwardd
Sample : icv579-50 Inst : GCMST
Misc : MS96870,V1T0579,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\m1t579.m (RTE Integrator)
Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
Last Update : Fri Sep 19 11:55:28 2025
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	90	0.00	1.99
		---------- True	Calc.	% Drift	----------			
2		ethanol	5000.000	3642.991	27.1	68	0.00	1.47
		---------- AvgRF	CCRF	% Dev	----------			
3	M	tertiary butyl alcohol	0.856	0.864	-0.9	95	0.00	2.03
4		1,4-dioxane	0.060	0.056	6.7	78	0.00	4.92
5	I	pentafluorobenzene	1.000	1.000	0.0	107	0.00	3.73
6		chlorodifluoromethane	----------NA----------					
7		dichlorodifluoromethane	0.468	0.467	0.2	104	0.00	0.88
8		chloromethane	0.276	0.283	-2.5	115	0.00	0.97
9		vinyl chloride	0.376	0.386	-2.7	106	0.00	1.00
10		1,3-butadiene	0.259	0.217	16.2	93	0.00	1.01
11		bromomethane	0.222	0.223	-0.5	100	0.00	1.14
12		chloroethane	0.340	0.286	15.9	93	0.00	1.20
13		trichlorofluoromethane	0.841	0.722	14.1	90	0.00	1.26
14		ethyl ether	0.198	0.203	-2.5	102	0.00	1.41
15		acrolein	0.075	0.074	1.3	101	0.00	1.68
16		freon 113	0.269	0.262	2.6	97	0.00	1.53
17		1,1-dichloroethene	0.545	0.501	8.1	99	0.00	1.51
18		acetone	0.047	0.037	21.3	88	0.00	1.84
19		acetonitrile	0.043	0.038	11.6	96	0.00	2.13
		---------- True	Calc.	% Drift	----------			
20		iodomethane	50.000	47.524	5.0	95	0.00	1.59
		---------- AvgRF	CCRF	% Dev	----------			
21		carbon disulfide	1.033	0.929	10.1	99	0.00	1.53
22		methylene chloride	0.394	0.361	8.4	103	0.00	1.82
23		methyl acetate	0.075	0.082	-9.3	115	0.00	1.91
		---------- True	Calc.	% Drift	----------			
24		methyl tert butyl ether	50.000	52.504	-5.0	110	0.00	1.98
		---------- AvgRF	CCRF	% Dev	----------			
25		trans-1,2-dichloroethene	0.370	0.356	3.8	103	0.00	1.91
26		hexane	0.478	0.550	-15.1	111	0.00	1.97
27		di-isopropyl ether	0.620	0.695	-12.1	109	0.00	2.24
		---------- True	Calc.	% Drift	----------			

Initial Calibration Verification

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: V1T579-ICV579
Lab FileID: 1T24018.D

28		ethyl tert-butyl ether	50.000	50.185	-0.4	105	0.00	2.52
29		2-butanone	200.000	186.924	6.5	98	0.00	3.31
			AvgRF	CCRF	% Dev			
30	M	1,1-dichloroethane	0.557	0.559	-0.4	106	0.00	2.32
			True	Calc.	% Drift			
31		chloroprene	50.000	46.464	7.1	102	0.00	2.30
			AvgRF	CCRF	% Dev			
32		acrylonitrile	0.111	0.117	-5.4	104	0.00	2.34
			True	Calc.	% Drift			
33		vinyl acetate	50.000	40.359	19.3	90	0.00	2.51
34		ethyl acetate	50.000	48.133	3.7	108	0.00	3.15
			AvgRF	CCRF	% Dev			
35		2,2-dichloropropane	0.457	0.503	-10.1	105	0.00	2.84
36		cis-1,2-dichloroethene	0.326	0.342	-4.9	110	0.00	2.75
37		propionitrile	0.059	0.057	3.4	102	0.00	3.61
			True	Calc.	% Drift			
38		methyl acrylate	50.000	46.562	6.9	109	0.00	3.15
			AvgRF	CCRF	% Dev			
39		bromochloromethane	0.166	0.167	-0.6	106	0.00	2.93
40		tetrahydrofuran	0.053	0.052	1.9	107	0.00	3.16
41		chloroform	0.153	0.136	11.1	105	0.00	3.00
42	S	dibromofluoromethane (s)	0.591	0.565	4.4	103	0.00	3.18
			True	Calc.	% Drift			
43		methacrylonitrile	50.000	44.334	11.3	102	0.00	3.64
			AvgRF	CCRF	% Dev			
44		1,1,1-trichloroethane	0.514	0.583	-13.4	110	0.00	3.20
			True	Calc.	% Drift			
45		cyclohexane	50.000	54.567	-9.1	121	0.00	2.94
46		1,1-dichloropropene	50.000	50.817	-1.6	105	0.00	3.33
			AvgRF	CCRF	% Dev			
47		carbon tetrachloride	0.455	0.499	-9.7	107	0.00	3.14
48		isobutyl alcohol	0.012	0.011	8.3	92	0.00	3.94
49		tert-amyl alcohol	0.017	0.015	11.8	93	0.00	4.05
50	I	1,4-difluorobenzene	1.000	1.000	0.0	105	0.00	4.31
51	S	1,2-dichloroethane-d4 (s)	0.374	0.378	-1.1	103	0.00	3.74
52		iso-octane	0.377	0.379	-0.5	93	0.00	3.47
53	M	benzene	0.654	0.719	-9.9	108	0.00	3.59
54		tert-amyl methyl ether	0.433	0.454	-4.8	104	0.00	3.78
55		heptane	0.073	0.085	-16.4	112	0.00	3.61
			True	Calc.	% Drift			
56		isopropyl acetate	50.000	46.862	6.3	108	0.00	4.20
			AvgRF	CCRF	% Dev			
57		1,2-dichloroethane	0.285	0.276	3.2	108	0.00	3.82
58		n-butyl alcohol	0.005	0.005	0.0	86	0.00	4.64
59		ethyl acrylate	0.206	0.240	-16.5	112	0.00	4.78
60		trichloroethene	0.179	0.206	-15.1	109	0.00	4.27

Initial Calibration Verification

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: V1T579-ICV579
Lab FileID: 1T24018.D

61		2-nitropropane	0.063	0.069	-9.5	111	0.00	5.48
		----------	True	Calc.	% Drift	----------		
62		2-chloroethyl vinyl ether	250.000	220.607	11.8	90	0.00	5.19
		----------	AvgRF	CCRF	% Dev	----------		
63		methyl methacrylate	0.052	0.069	-32.7#	130	0.00	4.92
64		1,2-dichloropropane	0.167	0.174	-4.2	104	0.00	4.70
65		methylcyclohexane	0.125	0.149	-19.2	112	0.00	4.25
66		dibromomethane	0.141	0.135	4.3	107	0.00	4.63
67		bromodichloromethane	0.267	0.277	-3.7	106	0.00	4.77
68		epichlorohydrin	0.025	0.025	0.0	102	0.00	5.36
		----------	True	Calc.	% Drift	----------		
69		cis-1,3-dichloropropene	50.000	50.340	-0.7	104	0.00	5.21
		----------	AvgRF	CCRF	% Dev	----------		
70		4-methyl-2-pentanone	0.074	0.081	-9.5	105	0.00	5.59
71		3-methyl-1-butanol	0.006	0.006	0.0	94	0.00	5.50
72	I	chlorobenzene-d5	1.000	1.000	0.0	103	0.00	6.28
73	S	toluene-d8 (s)	1.355	1.336	1.4	104	0.00	5.33
74		toluene	0.530	0.531	-0.2	106	0.00	5.36
75		ethyl methacrylate	0.226	0.194	14.2	81	0.00	5.73
76		trans-1,3-dichloropropene	0.312	0.353	-13.1	105	0.00	5.61
77		1,1,2-trichloroethane	0.159	0.174	-9.4	106	0.00	5.70
78		tetrachloroethene	0.221	0.256	-15.8	118	0.00	5.58
79		2-hexanone	0.083	0.098	-18.1	104	0.00	6.12
80		1,3-dichloropropane	0.323	0.362	-12.1	106	0.00	5.86
81		butyl acetate	0.112	0.132	-17.9	108	0.00	6.08
82		dibromochloromethane	0.241	0.256	-6.2	103	0.00	5.80
83		1,2-dibromoethane	0.209	0.228	-9.1	106	0.00	5.94
84		n-butyl ether	0.698	0.826	-18.3	111	0.00	6.28
85		chlorobenzene	0.613	0.611	0.3	106	0.00	6.29
86		1,1,1,2-tetrachloroethane	0.213	0.227	-6.6	108	0.00	6.34
87		ethylbenzene	0.982	1.033	-5.2	106	0.00	6.32
88		m,p-xylene	0.379	0.411	-8.4	106	0.00	6.41
89		o-xylene	0.351	0.400	-14.0	110	0.00	6.66
90		styrene	0.565	0.484	14.3	77	0.00	6.69
91		bromoform	0.183	0.189	-3.3	106	0.00	6.70
92		butyl acrylate	0.332	0.407	-22.6	110	0.00	6.78
93		n-amyl acetate	0.141	0.168	-19.1	108	0.00	6.92
94		isopropylbenzene	0.891	0.983	-10.3	102	0.00	6.84
95		cis-1,4-dichloro-2-butene	0.108	0.113	-4.6	103	0.00	7.02
96	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	101	0.00	7.56
97	S	4-bromofluorobenzene (s)	0.925	0.952	-2.9	105	0.00	6.98
98		bromobenzene	0.490	0.489	0.2	106	0.00	7.04
99		1,1,2,2-tetrachloroethane	0.604	0.592	2.0	104	0.00	7.10
100		trans-1,4-dichloro-2-bute	0.155	0.161	-3.9	105	0.00	7.18
101		1,2,3-trichloropropane	0.215	0.212	1.4	102	0.00	7.16
102		n-propylbenzene	2.168	2.354	-8.6	106	0.00	7.06
103		2-chlorotoluene	0.442	0.472	-6.8	109	0.00	7.14
104		4-chlorotoluene	1.375	1.495	-8.7	107	0.00	7.22
105		1,3,5-trimethylbenzene	1.503	1.752	-16.6	107	0.00	7.17
106		tert-butylbenzene	1.189	1.619	-36.2#	125	0.00	7.33
107		1,2,4-trimethylbenzene	1.518	1.802	-18.7	107	0.00	7.36
108		sec-butylbenzene	1.702	1.987	-16.7	105	0.00	7.42
109		1,3-dichlorobenzene	0.912	0.946	-3.7	103	0.00	7.52
110		p-isopropyltoluene	1.467	1.777	-21.1	106	0.00	7.49

Initial Calibration Verification

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY
Sample: V1T579-ICV579
Lab FileID: 1T24018.D

111	1,4-dichlorobenzene	0.980	0.979	0.1	103	0.00	7.56
112	1,2-dichlorobenzene	0.885	0.894	-1.0	103	0.00	7.77
113	1,2,3-trimethylbenzene		----------NA----------				
114	n-butylbenzene	0.354	0.404	-14.1	103	0.00	7.69
115	1,2-dibromo-3-chloropropa	0.179	0.182	-1.7	111	0.00	8.14
116	1,3,5-trichlorobenzene	0.581	0.674	-16.0	116	0.00	8.16
117	1,2,4-trichlorobenzene	0.501	0.541	-8.0	107	0.00	8.45
118	hexachlorobutadiene	0.211	0.204	3.3	102	0.00	8.44
119	naphthalene	1.514	1.850	-22.2	108	0.00	8.60
120	1,2,3-trichlorobenzene	0.475	0.512	-7.8	105	0.00	8.68
121	hexachloroethane	0.292	0.317	-8.6	104	0.00	7.76
122	benzyl chloride	0.248	0.268	-8.1	102	0.00	7.68
	----------	True	Calc.	% Drift	----------		
123	2-methylnaphthalene	25.000	25.157	-0.6	116	0.00	9.08
	----------	AvgRF	CCRF	% Dev	----------		
124 i	pentafluorobenzene(a)	1.000	1.000	0.0	107	0.00	3.73
125	Freon 143A		----------NA----------				
126	Freon 114		----------NA----------				
127	Freon 142B		----------NA----------				
128	Freon 141B		----------NA----------				
129	vinyl bromide		----------NA----------				
130	pentane		----------NA----------				
131	allyl chloride		----------NA----------				
132 i	1,4-dichlorobenzene-d4(a)	1.000	1.000	0.0	101	0.00	7.56
133	4-ethyltoluene		----------NA----------				
134	1,4-diethylbenzene		----------NA----------				
135	Indane		----------NA----------				
136	1,2,4,5-tetramethylbenzen		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1T24008.D m1t579.m Fri Sep 19 12:06:33 2025

Initial Calibration Verification

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: V1T579-ICV579
Lab FileID: 1T24020.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\Initials\VT579\1T24020.D Vial: 14
Acq On : 18 Sep 2025 04:14 pm Operator: edwardd
Sample : icv579-50 Inst : GCMST
Misc : MS96870,V1T0579,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\m1t579.m (RTE Integrator)
Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
Last Update : Fri Sep 19 11:55:28 2025
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	67	0.00	1.99
		---------- True	Calc.	% Drift	----------			
2		ethanol		NA				
		---------- AvgRF	CCRF	% Dev	----------			
3	M	tertiary butyl alcohol		NA				
4		1,4-dioxane		NA				
5	I	pentafluorobenzene	1.000	1.000	0.0	102	0.00	3.73
6		chlorodifluoromethane	0.390	0.381	2.3	106	0.00	0.90
7		dichlorodifluoromethane		NA				
8		chloromethane		NA				
9		vinyl chloride		NA				
10		1,3-butadiene		NA				
11		bromomethane		NA				
12		chloroethane		NA				
13		trichlorofluoromethane		NA				
14		ethyl ether		NA				
15		acrolein		NA				
16		freon 113		NA				
17		1,1-dichloroethene		NA				
18		acetone		NA				
19		acetonitrile	0.043	0.042	2.3	103	0.00	2.13
		---------- True	Calc.	% Drift	----------			
20		iodomethane		NA				
		---------- AvgRF	CCRF	% Dev	----------			
21		carbon disulfide		NA				
22		methylene chloride		NA				
23		methyl acetate		NA				
		---------- True	Calc.	% Drift	----------			
24		methyl tert butyl ether		NA				
		---------- AvgRF	CCRF	% Dev	----------			
25		trans-1,2-dichloroethene		NA				
26		hexane		NA				
27		di-isopropyl ether		NA				
		---------- True	Calc.	% Drift	----------			

Initial Calibration Verification

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: V1T579-ICV579
Lab FileID: 1T24020.D

			AvgRF	CCRF	% Dev			
28		ethyl tert-butyl ether		NA				
29		2-butanone		NA				
			AvgRF	CCRF	% Dev			
30	M	1,1-dichloroethane		NA				
			True	Calc.	% Drift			
31		chloroprene		NA				
			AvgRF	CCRF	% Dev			
32		acrylonitrile	0.111	0.117	-5.4	99	0.00	2.35
			True	Calc.	% Drift			
33		vinyl acetate		NA				
34		ethyl acetate		NA				
			AvgRF	CCRF	% Dev			
35		2,2-dichloropropane		NA				
36		cis-1,2-dichloroethene		NA				
37		propionitrile		NA				
			True	Calc.	% Drift			
38		methyl acrylate		NA				
			AvgRF	CCRF	% Dev			
39		bromochloromethane		NA				
40		tetrahydrofuran		NA				
41		chloroform		NA				
42	S	dibromofluoromethane (s)	0.591	0.589	0.3	103	0.00	3.18
			True	Calc.	% Drift			
43		methacrylonitrile		NA				
			AvgRF	CCRF	% Dev			
44		1,1,1-trichloroethane		NA				
			True	Calc.	% Drift			
45		cyclohexane		NA				
46		1,1-dichloropropene		NA				
			AvgRF	CCRF	% Dev			
47		carbon tetrachloride		NA				
48		isobutyl alcohol		NA				
49		tert-amyl alcohol		NA				
50	I	1,4-difluorobenzene	1.000	1.000	0.0	95	0.00	4.32
51	S	1,2-dichloroethane-d4 (s)	0.374	0.365	2.4	90	0.00	3.74
52		iso-octane		NA				
53	M	benzene		NA				
54		tert-amyl methyl ether		NA				
55		heptane		NA				
			True	Calc.	% Drift			
56		isopropyl acetate		NA				
			AvgRF	CCRF	% Dev			
57		1,2-dichloroethane		NA				
58		n-butyl alcohol		NA				
59		ethyl acrylate		NA				
60		trichloroethene		NA				

Initial Calibration Verification

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: V1T579-ICV579
Lab FileID: 1T24020.D

61		2-nitropropane		----------NA----------				
		----------	True	Calc.	% Drift	----------		
62		2-chloroethyl vinyl ether		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
63		methyl methacrylate		----------NA----------				
64		1,2-dichloropropane		----------NA----------				
65		methylcyclohexane		----------NA----------				
66		dibromomethane		----------NA----------				
67		bromodichloromethane		----------NA----------				
68		epichlorohydrin		----------NA----------				
		----------	True	Calc.	% Drift	----------		
69		cis-1,3-dichloropropene		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
70		4-methyl-2-pentanone		----------NA----------				
71		3-methyl-1-butanol		----------NA----------				
72	I	chlorobenzene-d5	1.000	1.000	0.0	93	0.00	6.28
73	S	toluene-d8 (s)	1.355	1.376	-1.5	97	0.00	5.33
74		toluene		----------NA----------				
75		ethyl methacrylate		----------NA----------				
76		trans-1,3-dichloropropene		----------NA----------				
77		1,1,2-trichloroethane		----------NA----------				
78		tetrachloroethene	0.221	0.234	-5.9	97	0.00	5.58
79		2-hexanone		----------NA----------				
80		1,3-dichloropropane		----------NA----------				
81		butyl acetate		----------NA----------				
82		dibromochloromethane		----------NA----------				
83		1,2-dibromoethane		----------NA----------				
84		n-butyl ether		----------NA----------				
85		chlorobenzene		----------NA----------				
86		1,1,1,2-tetrachloroethane		----------NA----------				
87		ethylbenzene		----------NA----------				
88		m,p-xylene		----------NA----------				
89		o-xylene		----------NA----------				
90		styrene		----------NA----------				
91		bromoform		----------NA----------				
92		butyl acrylate		----------NA----------				
93		n-amyl acetate		----------NA----------				
94		isopropylbenzene		----------NA----------				
95		cis-1,4-dichloro-2-butene		----------NA----------				
96	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	89	0.00	7.56
97	S	4-bromofluorobenzene (s)	0.925	0.944	-2.1	91	0.00	6.98
98		bromobenzene		----------NA----------				
99		1,1,2,2-tetrachloroethane		----------NA----------				
100		trans-1,4-dichloro-2-bute		----------NA----------				
101		1,2,3-trichloropropane		----------NA----------				
102		n-propylbenzene		----------NA----------				
103		2-chlorotoluene		----------NA----------				
104		4-chlorotoluene		----------NA----------				
105		1,3,5-trimethylbenzene		----------NA----------				
106		tert-butylbenzene		----------NA----------				
107		1,2,4-trimethylbenzene		----------NA----------				
108		sec-butylbenzene		----------NA----------				
109		1,3-dichlorobenzene		----------NA----------				
110		p-isopropyltoluene		----------NA----------				

Initial Calibration Verification

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: V1T579-ICV579
Lab FileID: 1T24020.D

111	1,4-dichlorobenzene		----------NA----------				
112	1,2-dichlorobenzene		----------NA----------				
113	1,2,3-trimethylbenzene	1.703	2.011	-18.1	100	0.00	7.58
114	n-butylbenzene		----------NA----------				
115	1,2-dibromo-3-chloropropa		----------NA----------				
116	1,3,5-trichlorobenzene		----------NA----------				
117	1,2,4-trichlorobenzene		----------NA----------				
118	hexachlorobutadiene		----------NA----------				
119	naphthalene		----------NA----------				
120	1,2,3-trichlorobenzene		----------NA----------				
121	hexachloroethane		----------NA----------				
122	benzyl chloride		----------NA----------				
	----------	True	Calc.	% Drift	----------		
123	2-methylnaphthalene		----------NA----------				
	----------	AvgRF	CCRF	% Dev	----------		
124 i	pentafluorobenzene(a)	1.000	1.000	0.0	102	0.00	3.73
125	Freon 143A		----------NA----------				
126	Freon 114		----------NA----------				
127	Freon 142B		----------NA----------				
128	Freon 141B		----------NA----------				
129	vinyl bromide		----------NA----------				
130	pentane		----------NA----------				
131	allyl chloride		----------NA----------				
132 i	1,4-dichlorobenzene-d4(a)	1.000	1.000	0.0	89	0.00	7.56
133	4-ethyltoluene		----------NA----------				
134	1,4-diethylbenzene		----------NA----------				
135	Indane		----------NA----------				
136	1,2,4,5-tetramethylbenzen		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1T24008.D m1t579.m Fri Sep 19 12:10:29 2025

Continuing Calibration Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: V1T610-CC579
Lab FileID: 1T25478.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\b...2025\V1T610\1T25478.D Vial: 7
Acq On : 20 Oct 2025 10:13 am Operator: edwardd
Sample : cc579-20 Inst : GCMST
Misc : MS98241,V1T0610,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\m1t579.m (RTE Integrator)
Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
Last Update : Fri Sep 19 11:55:28 2025
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	94	0.00	1.99
		---------- True	Calc.	% Drift	----------			
2		ethanol	2000.000	2084.676	-4.2	85	0.00	1.47
		---------- AvgRF	CCRF	% Dev	----------			
3	M	tertiary butyl alcohol	0.856	0.829	3.2	87	0.00	2.04
4		1,4-dioxane	0.060	0.062	-3.3	84	0.00	4.92
5	I	pentafluorobenzene	1.000	1.000	0.0	79	0.00	3.73
6		chlorodifluoromethane	0.390	0.485	-24.4#	98	0.00	0.90
7		dichlorodifluoromethane	0.468	0.577	-23.3#	91	0.00	0.88
8		chloromethane	0.276	0.418	-51.4#	116	0.00	0.97
9		vinyl chloride	0.376	0.445	-18.4	87	0.00	1.00
10		1,3-butadiene	0.259	0.299	-15.4	93	0.00	1.01
11		bromomethane	0.222	0.233	-5.0	84	0.00	1.14
12		chloroethane	0.340	0.228	32.9#	54	0.00	1.20
13		trichlorofluoromethane	0.841	0.723	14.0	65	0.00	1.26
14		ethyl ether	0.198	0.191	3.5	72	0.00	1.41
15		acrolein	0.075	0.068	9.3	77	0.00	1.68
16		freon 113	0.269	0.258	4.1	72	0.00	1.53
17		1,1-dichloroethene	0.545	0.557	-2.2	78	0.00	1.51
18		acetone	0.047	0.042	10.6	72	0.00	1.84
19		acetonitrile	0.043	0.054	-25.6#	98	0.00	2.13
		---------- True	Calc.	% Drift	----------			
20		iodomethane	20.000	13.087	34.6#	49	0.00	1.59
		---------- AvgRF	CCRF	% Dev	----------			
21		carbon disulfide	1.033	1.007	2.5	76	0.00	1.53
22		methylene chloride	0.394	0.362	8.1	71	0.00	1.82
23		methyl acetate	0.075	0.064	14.7	68	0.00	1.91
		---------- True	Calc.	% Drift	----------			
24		methyl tert butyl ether	20.000	21.080	-5.4	84	0.00	1.98
		---------- AvgRF	CCRF	% Dev	----------			
25		trans-1,2-dichloroethene	0.370	0.355	4.1	73	0.00	1.91
26		hexane	0.478	0.589	-23.2#	88	0.00	1.97
27		di-isopropyl ether	0.620	0.672	-8.4	84	0.00	2.24
		---------- True	Calc.	% Drift	----------			

Continuing Calibration Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: V1T610-CC579
Lab FileID: 1T25478.D

28		ethyl tert-butyl ether	20.000	20.555	-2.8	82	0.00	2.52
29		2-butanone	80.000	71.385	10.8	80	0.00	3.31
		----------	AvgRF	CCRF	% Dev	----------		
30	M	1,1-dichloroethane	0.557	0.618	-11.0	85	0.00	2.31
		----------	True	Calc.	% Drift	----------		
31		chloroprene	20.000	19.733	1.3	84	0.00	2.30
		----------	AvgRF	CCRF	% Dev	----------		
32		acrylonitrile	0.111	0.123	-10.8	95	0.00	2.34
		----------	True	Calc.	% Drift	----------		
33		vinyl acetate	20.000	16.070	19.6	69	0.00	2.51
34		ethyl acetate	20.000	19.351	3.2	83	0.00	3.15
		----------	AvgRF	CCRF	% Dev	----------		
35		2,2-dichloropropane	0.457	0.543	-18.8	84	0.00	2.84
36		cis-1,2-dichloroethene	0.326	0.331	-1.5	78	0.00	2.74
37		propionitrile	0.059	0.067	-13.6	91	0.00	3.61
		----------	True	Calc.	% Drift	----------		
38		methyl acrylate	20.000	18.192	9.0	84	0.00	3.14
		----------	AvgRF	CCRF	% Dev	----------		
39		bromochloromethane	0.166	0.169	-1.8	77	0.00	2.93
40		tetrahydrofuran	0.053	0.048	9.4	77	0.00	3.15
41		chloroform	0.153	0.146	4.6	78	0.00	3.00
42	S	dibromofluoromethane (s)	0.591	0.599	-1.4	81	0.00	3.18
		----------	True	Calc.	% Drift	----------		
43		methacrylonitrile	20.000	18.183	9.1	80	0.00	3.64
		----------	AvgRF	CCRF	% Dev	----------		
44		1,1,1-trichloroethane	0.514	0.573	-11.5	82	0.00	3.20
		----------	True	Calc.	% Drift	----------		
45		cyclohexane	20.000	18.808	6.0	80	0.00	2.93
46		1,1-dichloropropene	20.000	19.928	0.4	79	0.00	3.33
		----------	AvgRF	CCRF	% Dev	----------		
47		carbon tetrachloride	0.455	0.503	-10.5	81	0.00	3.14
48		isobutyl alcohol	0.012	0.012	0.0	84	0.00	3.94
49		tert-amyl alcohol	0.017	0.018	-5.9	79	0.00	4.05
50	I	1,4-difluorobenzene	1.000	1.000	0.0	80	0.00	4.31
51	S	1,2-dichloroethane-d4 (s)	0.374	0.385	-2.9	82	0.00	3.74
52		iso-octane	0.377	0.450	-19.4	88	0.00	3.47
53	M	benzene	0.654	0.696	-6.4	80	0.00	3.59
54		tert-amyl methyl ether	0.433	0.424	2.1	80	0.00	3.77
55		heptane	0.073	0.089	-21.9#	90	0.00	3.61
		----------	True	Calc.	% Drift	----------		
56		isopropyl acetate	20.000	16.960	15.2	78	0.00	4.20
		----------	AvgRF	CCRF	% Dev	----------		
57		1,2-dichloroethane	0.285	0.286	-0.4	81	0.00	3.82
58		n-butyl alcohol	0.005	0.006	-20.0	89	0.00	4.64
59		ethyl acrylate	0.206	0.215	-4.4	82	0.00	4.78
60		trichloroethene	0.179	0.178	0.6	74	0.00	4.27

Continuing Calibration Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: V1T610-CC579
Lab FileID: 1T25478.D

61		2-nitropropane	0.063	0.050	20.6#	63	0.00	5.48
		----------	True	Calc.	% Drift	----------		
62		2-chloroethyl vinyl ether	100.000	87.845	12.2	70	0.00	5.19
		----------	AvgRF	CCRF	% Dev	----------		
63		methyl methacrylate	0.052	0.046	11.5	72	0.00	4.92
64		1,2-dichloropropane	0.167	0.178	-6.6	84	0.00	4.70
65		methylcyclohexane	0.125	0.126	-0.8	79	0.00	4.25
66		dibromomethane	0.141	0.131	7.1	76	0.00	4.62
67		bromodichloromethane	0.267	0.263	1.5	75	0.00	4.77
68		epichlorohydrin	0.025	0.026	-4.0	83	0.00	5.36
		----------	True	Calc.	% Drift	----------		
69		cis-1,3-dichloropropene	20.000	20.144	-0.7	81	0.00	5.21
		----------	AvgRF	CCRF	% Dev	----------		
70		4-methyl-2-pentanone	0.074	0.077	-4.1	79	0.00	5.59
71		3-methyl-1-butanol	0.006	0.006	0.0	79	0.00	5.51
72	I	chlorobenzene-d5	1.000	1.000	0.0	77	0.00	6.29
73	S	toluene-d8 (s)	1.355	1.392	-2.7	79	0.00	5.33
74		toluene	0.530	0.527	0.6	76	0.00	5.36
75		ethyl methacrylate	0.226	0.216	4.4	72	0.00	5.73
76		trans-1,3-dichloropropene	0.312	0.327	-4.8	76	0.00	5.61
77		1,1,2-trichloroethane	0.159	0.162	-1.9	75	0.00	5.70
78		tetrachloroethene	0.221	0.222	-0.5	75	0.00	5.58
79		2-hexanone	0.083	0.096	-15.7	80	0.00	6.12
80		1,3-dichloropropane	0.323	0.333	-3.1	77	0.00	5.86
81		butyl acetate	0.112	0.116	-3.6	79	0.00	6.08
82		dibromochloromethane	0.241	0.225	6.6	69	0.00	5.80
83		1,2-dibromoethane	0.209	0.208	0.5	74	0.00	5.94
84		n-butyl ether	0.698	0.783	-12.2	81	0.00	6.28
85		chlorobenzene	0.613	0.599	2.3	75	0.00	6.30
86		1,1,1,2-tetrachloroethane	0.213	0.198	7.0	70	0.00	6.34
87		ethylbenzene	0.982	0.984	-0.2	75	0.00	6.32
88		m,p-xylene	0.379	0.385	-1.6	74	0.00	6.42
89		o-xylene	0.351	0.330	6.0	70	0.00	6.66
90		styrene	0.565	0.573	-1.4	71	0.00	6.69
91		bromoform	0.183	0.155	15.3	65	0.00	6.70
92		butyl acrylate	0.332	0.357	-7.5	78	0.00	6.78
93		n-amyl acetate	0.141	0.139	1.4	71	0.00	6.92
94		isopropylbenzene	0.891	0.906	-1.7	72	0.00	6.84
95		cis-1,4-dichloro-2-butene	0.108	0.091	15.7	64	0.00	7.03
96	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	74	0.00	7.56
97	S	4-bromofluorobenzene (s)	0.925	0.988	-6.8	78	0.00	6.98
98		bromobenzene	0.490	0.468	4.5	71	0.00	7.04
99		1,1,2,2-tetrachloroethane	0.604	0.593	1.8	74	0.00	7.10
100		trans-1,4-dichloro-2-bute	0.155	0.140	9.7	66	0.00	7.19
101		1,2,3-trichloropropane	0.215	0.200	7.0	73	0.00	7.16
102		n-propylbenzene	2.168	2.320	-7.0	75	0.00	7.06
103		2-chlorotoluene	0.442	0.424	4.1	68	0.00	7.14
104		4-chlorotoluene	1.375	1.466	-6.6	75	0.00	7.23
105		1,3,5-trimethylbenzene	1.503	1.647	-9.6	72	0.00	7.17
106		tert-butylbenzene	1.189	1.258	-5.8	71	0.00	7.33
107		1,2,4-trimethylbenzene	1.518	1.667	-9.8	71	0.00	7.37
108		sec-butylbenzene	1.702	1.883	-10.6	73	0.00	7.42
109		1,3-dichlorobenzene	0.912	0.905	0.8	70	0.00	7.52
110		p-isopropyltoluene	1.467	1.593	-8.6	71	0.00	7.49

Continuing Calibration Summary

Job Number: JE21034 **Sample:** V1T610-CC579
Account: BBLNYS Arcadis **Lab FileID:** 1T25478.D
Project: Saratoga Springs, NY

			True	Calc.	% Drift			
111		1,4-dichlorobenzene	0.980	0.963	1.7	70	0.00	7.57
112		1,2-dichlorobenzene	0.885	0.871	1.6	71	0.00	7.77
113		1,2,3-trimethylbenzene	1.703	1.756	-3.1	72	0.00	7.58
114		n-butylbenzene	0.354	0.366	-3.4	69	0.00	7.70
115		1,2-dibromo-3-chloropropa	0.179	0.160	10.6	68	0.00	8.14
116		1,3,5-trichlorobenzene	0.581	0.561	3.4	69	0.00	8.16
117		1,2,4-trichlorobenzene	0.501	0.479	4.4	69	0.00	8.46
118		hexachlorobutadiene	0.211	0.214	-1.4	73	0.00	8.45
119		naphthalene	1.514	1.525	-0.7	68	0.00	8.60
120		1,2,3-trichlorobenzene	0.475	0.481	-1.3	72	0.00	8.69
121		hexachloroethane	0.292	0.284	2.7	68	0.00	7.76
122		benzyl chloride	0.248	0.246	0.8	71	0.00	7.69
			True	**Calc.**	**% Drift**			
123		2-methylnaphthalene	10.000	7.851	21.5#	64	0.00	9.08
			AvgRF	**CCRF**	**% Dev**			
124	i	pentafluorobenzene(a)	1.000	1.000	0.0	79	0.00	3.73
125		Freon 143A		----------NA----------				
126		Freon 114		----------NA----------				
127		Freon 142B		----------NA----------				
128		Freon 141B		----------NA----------				
129		vinyl bromide		----------NA----------				
130		pentane		----------NA----------				
131		allyl chloride		----------NA----------				
132	i	1,4-dichlorobenzene-d4(a)	1.000	1.000	0.0	74	0.00	7.56
133		4-ethyltoluene		----------NA----------				
134		1,4-diethylbenzene		----------NA----------				
135		Indane		----------NA----------				
136		1,2,4,5-tetramethylbenzen		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1T24006.D m1t579.m Mon Oct 20 19:28:54 2025

Continuing Calibration Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: V1T610-CC579
Lab FileID: 1T25480.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\b...2025\V1T610\1T25480.D Vial: 9
Acq On : 20 Oct 2025 11:08 am Operator: edwardd
Sample : cc579-1 Inst : GCMST
Misc : MS98241,V1T0610,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\m1t579.m (RTE Integrator)
Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
Last Update : Fri Sep 19 11:55:28 2025
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 200% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	94	0.00	1.99
		----------	True	Calc.	% Drift	----------		
2		ethanol		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
3	M	tertiary butyl alcohol		----------NA----------				
4		1,4-dioxane		----------NA----------				
5	I	pentafluorobenzene	1.000	1.000	0.0	87	0.00	3.73
6		chlorodifluoromethane		----------NA----------				
7		dichlorodifluoromethane		----------NA----------				
8		chloromethane		----------NA----------				
9		vinyl chloride		----------NA----------				
10		1,3-butadiene		----------NA----------				
11		bromomethane		----------NA----------				
12		chloroethane	0.340	0.318	6.5	75	0.00	1.20
13		trichlorofluoromethane		----------NA----------				
14		ethyl ether		----------NA----------				
15		acrolein		----------NA----------				
16		freon 113		----------NA----------				
17		1,1-dichloroethene		----------NA----------				
18		acetone		----------NA----------				
19		acetonitrile		----------NA----------				
		----------	True	Calc.	% Drift	----------		
20		iodomethane	1.000	2.604	-160.4	0	0.00	1.59
		----------	AvgRF	CCRF	% Dev	----------		
21		carbon disulfide		----------NA----------				
22		methylene chloride		----------NA----------				
23		methyl acetate		----------NA----------				
		----------	True	Calc.	% Drift	----------		
24		methyl tert butyl ether		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
25		trans-1,2-dichloroethene		----------NA----------				
26		hexane		----------NA----------				
27		di-isopropyl ether		----------NA----------				
		----------	True	Calc.	% Drift	----------		

Continuing Calibration Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: V1T610-CC579
Lab FileID: 1T25480.D

28		ethyl tert-butyl ether		----------NA----------				
29		2-butanone		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
30	M	1,1-dichloroethane		----------NA----------				
		----------	True	Calc.	% Drift	----------		
31		chloroprene		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
32		acrylonitrile		----------NA----------				
		----------	True	Calc.	% Drift	----------		
33		vinyl acetate		----------NA----------				
34		ethyl acetate		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
35		2,2-dichloropropane		----------NA----------				
36		cis-1,2-dichloroethene		----------NA----------				
37		propionitrile		----------NA----------				
		----------	True	Calc.	% Drift	----------		
38		methyl acrylate		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
39		bromochloromethane		----------NA----------				
40		tetrahydrofuran		----------NA----------				
41		chloroform		----------NA----------				
42	S	dibromofluoromethane (s)	0.591	0.616	-4.2	87	0.00	3.18
		----------	True	Calc.	% Drift	----------		
43		methacrylonitrile		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
44		1,1,1-trichloroethane		----------NA----------				
		----------	True	Calc.	% Drift	----------		
45		cyclohexane		----------NA----------				
46		1,1-dichloropropene		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
47		carbon tetrachloride		----------NA----------				
48		isobutyl alcohol		----------NA----------				
49		tert-amyl alcohol		----------NA----------				
50	I	1,4-difluorobenzene	1.000	1.000	0.0	90	0.00	4.31
51	S	1,2-dichloroethane-d4 (s)	0.374	0.386	-3.2	91	0.00	3.74
52		iso-octane		----------NA----------				
53	M	benzene		----------NA----------				
54		tert-amyl methyl ether		----------NA----------				
55		heptane		----------NA----------				
		----------	True	Calc.	% Drift	----------		
56		isopropyl acetate		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
57		1,2-dichloroethane		----------NA----------				
58		n-butyl alcohol		----------NA----------				
59		ethyl acrylate		----------NA----------				
60		trichloroethene		----------NA----------				

Continuing Calibration Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: V1T610-CC579
Lab FileID: 1T25480.D

61		2-nitropropane	0.063	0.167	-165.1	0#	0.03	5.51
		----------	True	Calc.	% Drift		----------	
62		2-chloroethyl vinyl ether		----------NA----------				
		----------	AvgRF	CCRF	% Dev		----------	
63		methyl methacrylate		----------NA----------				
64		1,2-dichloropropane		----------NA----------				
65		methylcyclohexane		----------NA----------				
66		dibromomethane		----------NA----------				
67		bromodichloromethane		----------NA----------				
68		epichlorohydrin		----------NA----------				
		----------	True	Calc.	% Drift		----------	
69		cis-1,3-dichloropropene		----------NA----------				
		----------	AvgRF	CCRF	% Dev		----------	
70		4-methyl-2-pentanone		----------NA----------				
71		3-methyl-1-butanol		----------NA----------				
72	I	chlorobenzene-d5	1.000	1.000	0.0	86	0.00	6.29
73	S	toluene-d8 (s)	1.355	1.386	-2.3	87	0.00	5.33
74		toluene		----------NA----------				
75		ethyl methacrylate		----------NA----------				
76		trans-1,3-dichloropropene		----------NA----------				
77		1,1,2-trichloroethane		----------NA----------				
78		tetrachloroethene		----------NA----------				
79		2-hexanone		----------NA----------				
80		1,3-dichloropropane		----------NA----------				
81		butyl acetate		----------NA----------				
82		dibromochloromethane		----------NA----------				
83		1,2-dibromoethane		----------NA----------				
84		n-butyl ether		----------NA----------				
85		chlorobenzene		----------NA----------				
86		1,1,1,2-tetrachloroethane		----------NA----------				
87		ethylbenzene		----------NA----------				
88		m,p-xylene		----------NA----------				
89		o-xylene		----------NA----------				
90		styrene		----------NA----------				
91		bromoform		----------NA----------				
92		butyl acrylate		----------NA----------				
93		n-amyl acetate		----------NA----------				
94		isopropylbenzene		----------NA----------				
95		cis-1,4-dichloro-2-butene		----------NA----------				
96	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	84	0.00	7.56
97	S	4-bromofluorobenzene (s)	0.925	0.966	-4.4	89	0.00	6.98
98		bromobenzene		----------NA----------				
99		1,1,2,2-tetrachloroethane		----------NA----------				
100		trans-1,4-dichloro-2-bute		----------NA----------				
101		1,2,3-trichloropropane		----------NA----------				
102		n-propylbenzene		----------NA----------				
103		2-chlorotoluene		----------NA----------				
104		4-chlorotoluene		----------NA----------				
105		1,3,5-trimethylbenzene		----------NA----------				
106		tert-butylbenzene		----------NA----------				
107		1,2,4-trimethylbenzene		----------NA----------				
108		sec-butylbenzene		----------NA----------				
109		1,3-dichlorobenzene		----------NA----------				
110		p-isopropyltoluene		----------NA----------				

Continuing Calibration Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: V1T610-CC579
Lab FileID: 1T25480.D

111	1,4-dichlorobenzene		----------NA----------				
112	1,2-dichlorobenzene		----------NA----------				
113	1,2,3-trimethylbenzene		----------NA----------				
114	n-butylbenzene		----------NA----------				
115	1,2-dibromo-3-chloropropa		----------NA----------				
116	1,3,5-trichlorobenzene		----------NA----------				
117	1,2,4-trichlorobenzene		----------NA----------				
118	hexachlorobutadiene		----------NA----------				
119	naphthalene		----------NA----------				
120	1,2,3-trichlorobenzene		----------NA----------				
121	hexachloroethane		----------NA----------				
122	benzyl chloride		----------NA----------				
	----------	True	Calc.	% Drift	----------		
123	2-methylnaphthalene	0.500	1.706	-241.2	0	0.00	9.08
	----------	AvgRF	CCRF	% Dev	----------		
124 i	pentafluorobenzene(a)	1.000	1.000	0.0	87	0.00	3.73
125	Freon 143A		----------NA----------				
126	Freon 114		----------NA----------				
127	Freon 142B		----------NA----------				
128	Freon 141B		----------NA----------				
129	vinyl bromide		----------NA----------				
130	pentane		----------NA----------				
131	allyl chloride		----------NA----------				
132 i	1,4-dichlorobenzene-d4(a)	1.000	1.000	0.0	84	0.00	7.56
133	4-ethyltoluene		----------NA----------				
134	1,4-diethylbenzene		----------NA----------				
135	Indane		----------NA----------				
136	1,2,4,5-tetramethylbenzen		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1T23998.D m1t579.m Mon Oct 20 19:46:03 2025

6.7.10

6

Initial Calibration Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: VL11472-ICC11472
Lab FileID: L373790.D

Response Factor Report GCMSL

Method : C:\msdchem\1\methods\ML11472.M (RTE Integrator)
Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
Last Update : Fri Oct 17 13:39:16 2025
Response via : Initial Calibration

Calibration Files
8 =L373788.D 0.5 =L373784.D 4 =L373787.D 50 =L373790.D
100 =L373791.D 1 =L373785.D 200 =L373792.D 20 =L373789.D
2 =L373786.D 0.2 =L373783.D = =

Compound	8	0.5	4	50	100	1	200	20	2	0.2	Avg	%RSD
1) I tert butyl alcohol-d9 ----------ISTD----------												
2) 1,4-dioxane	0.142		0.158	0.134	0.127		0.124	0.120	0.161		0.138	11.83
3) ethanol *This compound fails initial calibration criteria.*	0.134		0.158	0.107	0.086	0.152		0.106	0.194		0.134	27.67
----- Quadratic regression ----- Coefficient = 0.9935												
Response Ratio = 0.01584 + 0.12139 *A + -0.00178 *A^2												
4) tertiary butyl alcohol	1.592		1.748	1.432	1.408	1.451	1.396	1.306	2.035		1.546	15.52
5) I pentafluorobenzene ----------ISTD----------												
6) chlorodifluoromethane	0.776	0.748	0.805	0.738	0.680	0.647	0.659	0.681	0.863		0.733	9.94
7) dichlorodifluoromethane	0.760	0.688	0.672	0.817	0.770	0.615	0.756	0.751	0.836		0.741	9.54
8) chloromethane	0.673	0.854	0.609	0.711	0.692	0.707	0.671	0.673	0.808		0.711	10.55
9) vinyl chloride	0.681	0.750	0.634	0.714	0.700	0.677	0.688	0.692	0.795		0.703	6.56
10) 1,3-butadiene	0.727	0.683	0.707	0.648	0.564	0.597	0.519	0.624	0.789		0.651	13.04
11) bromomethane *This compound fails initial calibration criteria.*	0.157		0.162	0.184	0.182	0.192		0.161	0.187		0.175	8.16
12) chloroethane	0.281	0.317	0.276	0.293	0.278	0.359	0.229	0.281	0.343		0.295	13.25
13) trichlorofluoromethane	0.894	0.856	0.806	0.971	0.951	0.721	0.948	0.886	1.017		0.894	10.19
14) ethyl ether	0.309	0.293	0.319	0.307	0.292	0.256	0.291	0.291	0.323		0.298	6.67
15) acrolein	0.124		0.108	0.133	0.133		0.135	0.127	0.133		0.128	7.50
16) freon 113	0.429		0.405	0.411	0.380	0.252	0.384	0.364	0.390		0.377	14.38
17) 1,1-dichloroethene	0.529	0.416	0.504	0.495	0.473	0.336	0.473	0.461	0.522	0.501	0.471	12.26
18) acetone	0.094	0.106	0.095	0.093	0.091	0.077	0.093	0.086	0.100		0.093	8.83
19) acetonitrile	0.073		0.081	0.072	0.071		0.071	0.068			0.073	5.97
20) iodomethane	0.259		0.214	0.396	0.430		0.485	0.285	0.189		0.323	35.39
----- Quadratic regression ----- Coefficient = 0.9982												
Response Ratio = -0.01019 + 0.35536 *A + 0.03387 *A^2												

Initial Calibration Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: VL11472-ICC11472
Lab FileID: L373790.D

21) iso-butyl alcohol
0.067 0.073 0.060 0.061 0.063 0.054 0.063 10.52
22) carbon disulfide
1.590 1.485 1.616 1.489 1.405 1.317 1.408 1.384 1.640 1.481 7.65
23) methylene chloride
0.610 0.642 0.642 0.572 0.545 0.509 0.546 0.538 0.629 0.581 8.66
24) methyl acetate
0.143 0.144 0.152 0.150 0.150 0.134 0.152 0.146 4.56
25) methyl tert butyl ether
1.681 1.263 1.612 1.700 1.671 1.275 1.667 1.530 1.625 1.558 11.01
26) trans-1,2-dichloroethene
0.588 0.484 0.577 0.557 0.536 0.470 0.539 0.511 0.557 0.536 0.536 7.05
27) hexane
0.709 0.621 0.693 0.745 0.690 0.443 0.729 0.648 0.675 0.662 13.64
28) di-isopropyl ether
1.700 1.445 1.723 1.745 1.737 1.412 1.748 1.543 1.626 1.631 8.15
29) ethyl tert-butyl ether
1.759 1.537 1.741 1.820 1.805 1.357 1.817 1.627 1.615 1.675 9.33
30) 2-butanone
0.121 0.094 0.124 0.129 0.127 0.090 0.128 0.115 0.121 0.117 12.52
31) 1,1-dichloroethane
1.073 0.938 1.107 1.039 1.017 0.865 1.020 0.961 1.085 1.012 7.71
32) chloroprene
0.942 0.881 0.947 0.930 0.623 0.949 0.847 0.845 0.870 12.52
33) acrylonitrile
0.263 0.241 0.296 0.288 0.290 0.292 0.274 0.290 0.279 6.80
34) vinyl acetate
0.135 0.125 0.143 0.138 0.136 0.133 0.115 0.132 7.06
35) ethyl acetate
0.127 0.144 0.156 0.151 0.151 0.124 0.156 0.144 9.37
36) 2,2-dichloropropane
0.960 0.902 0.967 0.918 0.900 0.782 0.911 0.848 1.015 0.911 7.49
37) cis-1,2-dichloroethene
0.629 0.528 0.653 0.606 0.580 0.524 0.578 0.558 0.639 0.588 7.96
38) propionitrile
0.159 0.164 0.167 0.161 0.157 0.140 0.157 0.146 0.178 0.159 7.12
39) methyl acrylate
0.119 0.122 0.138 0.136 0.137 0.120 0.098 0.124 11.45
40) bromochloromethane
0.289 0.198 0.301 0.262 0.246 0.247 0.240 0.252 0.296 0.259 12.54
41) tetrahydrofuran
0.152 0.132 0.152 0.146 0.149 0.135 0.152 0.145 5.77
42) chloroform
1.146 1.201 1.065 1.030 1.214 1.039 0.987 1.299 1.123 9.73
43) dibromofluoromethane (s)
0.526 0.518 0.516 0.523 0.514 0.525 0.517 0.529 0.527 0.524 0.522 1.00
44) methacrylonitrile
0.342 0.333 0.354 0.349 0.355 0.317 0.320 0.339 4.60
45) 1,1,1-trichloroethane
0.954 0.916 0.973 0.936 0.898 0.662 0.911 0.841 0.909 0.889 10.46
46) cyclohexane
0.769 0.616 0.799 0.779 0.561 0.783 0.715 0.888 0.739 14.27
47) 1,1-dichloropropene
0.785 0.622 0.750 0.806 0.780 0.549 0.787 0.708 0.700 0.721 12.02
48) carbon tetrachloride
0.782 0.752 0.776 0.753 0.535 0.771 0.679 0.748 0.725 11.45
49) isopropyl acetate
0.164 0.150 0.173 0.168 0.171 0.151 0.149 0.161 6.40
50) tert amyl alcohol

Initial Calibration Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: VL11472-ICC11472
Lab FileID: L373790.D

```
      0.061       0.066 0.057 0.056 0.066 0.056 0.054 0.088        0.063   17.38

51) I   1,4-difluorobenzene   ----------------ISTD---------------------
52)  1,2-dichloroethane-d4 (s)
      0.361 0.367 0.357 0.353 0.356 0.367 0.363 0.373 0.369 0.373  0.364    1.93
53)  tert-amyl methyl ether
      1.012 0.897 1.035 1.013 0.993 0.816 1.000 0.911 1.082        0.973    8.45
54)  2,2,4-trimethylpentane
      0.776 0.697 0.773 0.788 0.733 0.536 0.758 0.691 0.768        0.724   10.85
55)  n-butyl alcohol
      0.029       0.032 0.027 0.026 0.026 0.026 0.024 0.039        0.029   16.07
56)  benzene
      1.342 1.278 1.384 1.299 1.264 1.096 1.251 1.177 1.343 1.577  1.301    9.88
57)  heptane
      0.168       0.169 0.164 0.154 0.104 0.161 0.150 0.158        0.154   13.69
58)  1,2-dichloroethane
      0.514 0.516 0.532 0.483 0.475 0.452 0.483 0.443 0.559        0.495    7.64
59)  trichloroethene
      0.364 0.256 0.336 0.346 0.337 0.253 0.342 0.310 0.345 0.386  0.328   13.11
60)  ethyl acrylate
      0.582       0.612 0.571 0.573 0.566 0.581 0.511 0.693        0.586    8.79
61)  2-nitropropane
      0.185       0.184 0.166 0.173       0.179 0.156              0.174    6.42
62)  2-chloroethyl vinyl ether
      0.110 0.114 0.116 0.110 0.113 0.098 0.123 0.100 0.129        0.113    8.53
63)  methyl methacrylate
      0.114       0.102 0.114 0.110       0.113 0.098 0.109        0.109    5.61
64)  1,2-dichloropropane
      0.350 0.344 0.357 0.334 0.328 0.284 0.331 0.303 0.358        0.332    7.47
65)  methylcyclohexane
      0.489 0.401 0.478 0.495 0.470 0.306 0.482 0.430 0.491        0.449   13.89
66)  dibromomethane
      0.231 0.229 0.259 0.224 0.218 0.206 0.220 0.206 0.266        0.229    9.23
67)  bromodichloromethane
      0.498 0.476 0.515 0.462 0.460 0.408 0.468 0.433 0.545        0.474    8.73
68)  cis-1,3-dichloropropene
      0.545 0.525 0.539 0.536 0.531 0.428 0.539 0.490 0.569 0.611  0.531    8.99
69)  epichlorohydrin
      0.069       0.069 0.066 0.065 0.061 0.064 0.061 0.088        0.068   12.82
70)  4-methyl-2-pentanone
      0.210 0.211 0.219 0.201 0.197 0.193 0.197 0.182 0.269        0.209   12.00
71)  3-methyl-1-butanol
      0.028       0.031 0.025 0.024 0.024 0.024 0.023 0.036        0.027   17.38

72) I   chlorobenzene-d5      ----------------ISTD---------------------
73)  toluene-d8 (s)
      1.464 1.394 1.458 1.455 1.469 1.443 1.480 1.454 1.444 1.440  1.450    1.60
74)  toluene
      1.065 1.030 1.058 1.022 0.993 0.844 0.994 0.923 1.097 1.238  1.026   10.18
75)  trans-1,3-dichloropropene
      0.659 0.593 0.664 0.665 0.653 0.546 0.667 0.590 0.723        0.640    8.36
76)  ethyl methacrylate
      0.658 0.710 0.679 0.618 0.602 0.613 0.600 0.565 0.773        0.647   10.10
77)  1,1,2-trichloroethane
      0.364 0.314 0.357 0.344 0.338 0.296 0.335 0.314 0.401        0.340    9.20
78)  2-hexanone
      0.301 0.286 0.314 0.276 0.268 0.280 0.265 0.258 0.376        0.292   12.43
79)  tetrachloroethene
      0.440 0.395 0.454 0.421 0.411 0.312 0.409 0.384 0.440 0.457  0.412   10.40
80)  1,3-dichloropropane
```

0.681 0.621 0.708 0.669 0.656 0.553 0.659 0.608 0.746 0.656 8.68

81) butyl acetate
0.387 0.413 0.410 0.361 0.350 0.371 0.355 0.334 0.476 0.384 11.33

82) dibromochloromethane
0.441 0.473 0.478 0.433 0.429 0.374 0.433 0.394 0.494 0.439 8.86

83) 1,2-dibromoethane
0.433 0.344 0.445 0.424 0.413 0.331 0.415 0.377 0.472 0.480 0.413 12.02

84) n-butyl ether
1.808 1.753 1.868 1.695 1.658 1.571 1.636 1.573 1.987 1.728 8.10

85) chlorobenzene
1.137 1.084 1.167 1.042 1.023 1.065 1.027 0.970 1.184 1.078 6.68

86) 1,1,1,2-tetrachloroethane
0.391 0.324 0.393 0.386 0.381 0.305 0.384 0.341 0.377 0.365 8.98

87) ethylbenzene
2.014 1.856 2.044 1.882 1.846 1.652 1.819 1.731 2.075 1.880 7.58

88) m,p-xylene
0.759 0.741 0.800 0.714 0.691 0.639 0.688 0.662 0.821 0.724 8.50

89) o-xylene
0.747 0.703 0.764 0.689 0.671 0.650 0.671 0.638 0.840 0.708 9.14

90) butyl acrylate
1.031 1.177 1.115 0.959 0.941 0.972 0.935 0.885 1.305 1.036 13.24

91) styrene
1.266 1.128 1.282 1.183 1.159 1.067 1.158 1.081 1.359 1.187 8.20

92) bromoform
0.308 0.330 0.325 0.315 0.314 0.266 0.326 0.268 0.355 0.312 9.24

93) n-amyl acetate
0.392 0.400 0.425 0.363 0.348 0.391 0.344 0.331 0.494 0.388 12.95

94) isopropylbenzene
1.804 1.719 1.833 1.715 1.674 1.463 1.686 1.559 1.925 1.709 8.17

95) cis-1,4-dichloro-2-butene
0.128 0.127 0.151 0.166 0.190 0.124 0.131 0.145 17.23

96) I 1,4-dichlorobenzene-d ----------ISTD----------

97) 4-bromofluorobenzene (s)
1.065 1.079 1.064 1.091 1.076 1.056 1.096 1.085 1.059 1.057 1.073 1.36

98) bromobenzene
0.943 0.853 0.958 0.887 0.853 0.790 0.868 0.804 1.032 0.887 8.75

99) 1,1,2,2-tetrachloroethane
1.346 1.278 1.480 1.295 1.270 1.343 1.286 1.152 1.648 1.344 10.63

100) trans-1,4-dichloro-2-butene
0.240 0.235 0.275 0.303 0.349 0.228 0.256 0.269 16.28

101) 1,2,3-trichloropropane
0.398 0.430 0.383 0.374 0.395 0.390 0.345 0.498 0.402 11.33

102) n-propylbenzene
4.584 4.201 4.687 4.388 4.247 3.675 4.340 3.910 4.564 4.289 7.66

103) 2-chlorotoluene
0.873 0.779 0.929 0.840 0.801 0.765 0.822 0.755 0.926 0.832 7.87

104) 4-chlorotoluene
0.915 0.893 0.949 0.875 0.834 0.810 0.856 0.780 1.032 0.883 8.67

105) 1,3,5-trimethylbenzene
3.158 2.826 3.218 3.083 2.983 2.659 2.997 2.727 3.214 2.985 6.96

106) tert-butylbenzene
2.463 2.369 2.556 2.363 2.274 2.094 2.326 2.107 2.640 2.355 7.81

107) 1,2,4-trimethylbenzene
3.201 2.720 3.213 3.098 3.035 2.718 3.058 2.765 3.330 3.015 7.60

108) sec-butylbenzene
3.630 3.342 3.642 3.565 3.419 2.891 3.487 3.099 3.690 3.418 7.89

109) 1,3-dichlorobenzene
1.723 1.665 1.737 1.622 1.566 1.536 1.579 1.482 1.858 1.641 7.14

110) p-isopropyltoluene

Initial Calibration Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: VL11472-ICC11472
Lab FileID: L373790.D

```
       3.031 2.762 3.067 2.948 2.833 2.295 2.876 2.564 3.058        2.826    9.07
111)  1,4-dichlorobenzene
       1.760 1.794 1.815 1.643 1.604 1.681 1.608 1.484 1.869        1.695    7.29
112)  1,2,3-trimethylbenzene
       3.307 3.251 3.442 3.199 3.122 2.975 3.092 2.836 3.444        3.186    6.39
113)  1,2-dichlorobenzene
       1.658 1.420 1.716 1.571 1.506 1.532 1.514 1.417 1.853        1.576    9.07
114)  n-butylbenzene
       1.448 1.210 1.494 1.483 1.459 1.231 1.472 1.301 1.572        1.408    9.08
115)  1,2-dibromo-3-chloropropane
       0.367 0.304 0.408 0.357 0.343 0.360 0.361 0.317 0.442        0.362   11.71
116)  1,3,5-trichlorobenzene
       1.066 0.948 1.067 1.060 1.009 0.867 1.084 0.945 1.085        1.014    7.66
117)  1,2,4-trichlorobenzene
       0.923 0.789 0.938 0.929 0.887 0.782 0.977 0.799 1.023        0.894    9.70
118)  hexachlorobutadiene
       0.355 0.279 0.365 0.352 0.322 0.268 0.369 0.302 0.411        0.336   13.85
119)  naphthalene
       3.370 3.154 3.425 3.388 3.281 3.023 3.474 2.976 3.742        3.315    7.20
120)  1,2,3-trichlorobenzene
       0.858 0.872 0.904 0.861 0.837 0.702 0.892 0.757 0.985        0.852    9.68
121)  hexachloroethane
       0.438 0.367 0.421 0.475 0.481 0.358 0.511 0.383 0.446        0.431   12.40
122)  benzyl chloride
       2.673 2.652 2.817 2.611 2.564 2.302 2.593 2.317 3.076        2.623    9.01
123)  2-methylnaphthalene
       1.345 1.238 1.382 1.294 1.237 1.095 1.266 1.128 1.524        1.279   10.16

124)     pentafluorobenzene(a) ----------------ISTD---------------------
125)  Freon 143A
                                                                    0.000   -1.00
126)  Freon 142B
                                                                    0.000   -1.00
127)  vinyl bromide
                                                                    0.000   -1.00
128)  Freon 141B
                                                                    0.000   -1.00
129)  allyl chloride
                                                                    0.000   -1.00
130)  pentane
                                                                    0.000   -1.00

131)     1,4-dichlorobenzene-d ----------------ISTD---------------------
132)  pentachloroethane
                                                                    0.000   -1.00
133)  indane
                                                                    0.000   -1.00
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          ML11472.M         Sun Oct 19 11:40:40 2025
```

Initial Calibration Verification

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: VL11472-ICV11472
Lab FileID: L373795.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\Initials\VL11472\L373795.D Vial: 20
Acq On : 16 Oct 2025 11:03 pm Operator: BridgetK
Sample : icv11472-50 Inst : GCMSL
Misc : MS94818,VL11472,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\ML11472.M (RTE Integrator)
Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
Last Update : Fri Oct 17 13:39:16 2025
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	94	0.00	2.61
2		1,4-dioxane	0.138	0.136	1.4	95	0.00	4.70
			True	Calc.	% Drift			
3		ethanol	5000.000	5009.754	-0.2	92	0.00	2.09
			AvgRF	CCRF	% Dev			
4	M	tertiary butyl alcohol	1.546	1.477	4.5	97	0.00	2.66
5	I	pentafluorobenzene	1.000	1.000	0.0	99	0.00	3.75
6		chlorodifluoromethane	----------NA----------					
7		dichlorodifluoromethane	0.741	0.714	3.6	86	0.00	1.35
8		chloromethane	0.711	0.641	9.8	89	0.00	1.48
9		vinyl chloride	0.703	0.652	7.3	90	0.00	1.55
10		1,3-butadiene	0.651	0.537	17.5	82	0.00	1.58
11		bromomethane	0.175	0.262	-49.7#	141	0.00	1.77
12		chloroethane	0.295	0.346	-17.3	116	0.00	1.84
13		trichlorofluoromethane	0.894	0.898	-0.4	91	0.00	1.99
14		ethyl ether	0.298	0.306	-2.7	98	0.00	2.16
15		acrolein	0.128	0.137	-7.0	101	0.00	2.25
16		freon 113	0.377	0.381	-1.1	92	0.00	2.32
17		1,1-dichloroethene	0.471	0.472	-0.2	94	0.00	2.32
18		acetone	0.093	0.089	4.3	95	0.00	2.33
19		acetonitrile	0.073	0.078	-6.8	107	0.00	2.51
			True	Calc.	% Drift			
20		iodomethane	50.000	43.110	13.8	80	0.00	2.42
			AvgRF	CCRF	% Dev			
21		iso-butyl alcohol	0.063	0.062	1.6	103	0.00	3.90
22		carbon disulfide	1.481	1.393	5.9	92	0.00	2.47
23		methylene chloride	0.581	0.561	3.4	97	0.00	2.62
24		methyl acetate	0.146	0.169	-15.8	110	0.00	2.52
25		methyl tert butyl ether	1.558	1.704	-9.4	99	0.00	2.78
26		trans-1,2-dichloroethene	0.536	0.543	-1.3	96	0.00	2.79
27		hexane	0.662	0.666	-0.6	88	0.00	2.96
28		di-isopropyl ether	1.631	1.691	-3.7	96	0.00	3.07
29		ethyl tert-butyl ether	1.675	1.694	-1.1	92	0.00	3.30
30		2-butanone	0.117	0.121	-3.4	93	0.00	3.41
31	M	1,1-dichloroethane	1.012	1.032	-2.0	98	0.00	3.07
32		chloroprene	0.870	0.901	-3.6	94	0.00	3.11
33		acrylonitrile	0.279	0.334	-19.7	111	0.00	2.76

Initial Calibration Verification

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: VL11472-ICV11472
Lab FileID: L373795.D

34		vinyl acetate	0.132	0.121	8.3	83	0.00	3.05
35		ethyl acetate	0.144	0.145	-0.7	92	0.00	3.43
36		2,2-dichloropropane	0.911	0.898	1.4	97	0.00	3.43
37		cis-1,2-dichloroethene	0.588	0.608	-3.4	99	0.00	3.43
38		propionitrile	0.159	0.154	3.1	94	0.00	3.45
39		methyl acrylate	0.124	0.133	-7.3	96	0.00	3.46
40		bromochloromethane	0.259	0.266	-2.7	100	0.00	3.59
41		tetrahydrofuran	0.145	0.131	9.7	85	0.00	3.60
42		chloroform	1.123	1.039	7.5	96	0.00	3.64
43	S	dibromofluoromethane (s)	0.522	0.524	-0.4	99	0.00	3.75
44		methacrylonitrile	0.339	0.337	0.6	94	0.00	3.55
45		1,1,1-trichloroethane	0.889	0.942	-6.0	99	0.00	3.77
46		cyclohexane	0.739	0.775	-4.9	96	0.00	3.82
47		1,1-dichloropropene	0.721	0.797	-10.5	98	0.00	3.87
48		carbon tetrachloride	0.725	0.757	-4.4	96	0.00	3.87
49		isopropyl acetate	0.161	0.162	-0.6	93	0.00	4.01
50		tert amyl alcohol	0.063	0.054	14.3	94	0.00	3.98
51	I	1,4-difluorobenzene	1.000	1.000	0.0	100	0.00	4.29
52	S	1,2-dichloroethane-d4 (s)	0.364	0.348	4.4	98	0.00	3.99
53		tert-amyl methyl ether	0.973	0.936	3.8	92	0.00	4.08
54		2,2,4-trimethylpentane	0.724	0.747	-3.2	94	0.00	4.08
55		n-butyl alcohol	0.029	0.024	17.2	91	0.00	4.36
56	M	benzene	1.301	1.286	1.2	99	0.00	4.01
57		heptane	0.154	0.168	-9.1	102	0.00	4.19
58		1,2-dichloroethane	0.495	0.473	4.4	98	0.00	4.04
59		trichloroethene	0.328	0.339	-3.4	98	0.00	4.46
60		ethyl acrylate	0.586	0.566	3.4	99	0.00	4.50
61		2-nitropropane	0.174	0.162	6.9	97	0.00	5.00
62		2-chloroethyl vinyl ether	0.113	0.081	28.3	74	0.00	5.04
63		methyl methacrylate	0.109	0.129	-18.3	113	0.00	4.67
64		1,2-dichloropropane	0.332	0.327	1.5	98	0.00	4.65
65		methylcyclohexane	0.449	0.502	-11.8	101	0.00	4.64
66		dibromomethane	0.229	0.216	5.7	96	0.00	4.72
67		bromodichloromethane	0.474	0.451	4.9	97	0.00	4.84
68		cis-1,3-dichloropropene	0.531	0.521	1.9	97	0.00	5.17
69		epichlorohydrin	0.068	0.061	10.3	92	0.00	5.09
70		4-methyl-2-pentanone	0.209	0.190	9.1	94	0.00	5.28
71		3-methyl-1-butanol	0.027	0.023	14.8	92	0.00	5.31
72	I	chlorobenzene-d5	1.000	1.000	0.0	97	0.00	6.61
73	S	toluene-d8 (s)	1.450	1.499	-3.4	100	0.00	5.39
74		toluene	1.026	1.026	0.0	97	0.00	5.44
75		trans-1,3-dichloropropene	0.640	0.661	-3.3	96	0.00	5.62
76		ethyl methacrylate	0.647	0.461	28.7	72	0.00	5.65
77		1,1,2-trichloroethane	0.340	0.339	0.3	96	0.00	5.78
78		2-hexanone	0.292	0.268	8.2	94	0.00	5.95
79		tetrachloroethene	0.412	0.428	-3.9	99	0.00	5.86
80		1,3-dichloropropane	0.656	0.670	-2.1	97	0.00	5.92
81		butyl acetate	0.384	0.357	7.0	96	0.00	6.04
82		dibromochloromethane	0.439	0.430	2.1	96	0.00	6.10
83		1,2-dibromoethane	0.413	0.424	-2.7	97	0.00	6.21
84		n-butyl ether	1.728	1.750	-1.3	100	0.00	6.70
85		chlorobenzene	1.078	1.043	3.2	97	0.00	6.63
86		1,1,1,2-tetrachloroethane	0.365	0.383	-4.9	96	0.00	6.71
87		ethylbenzene	1.880	1.898	-1.0	98	0.00	6.71
88		m,p-xylene	0.724	0.719	0.7	98	0.00	6.83
89		o-xylene	0.708	0.712	-0.6	100	0.00	7.18
90		butyl acrylate	1.036	0.984	5.0	100	0.00	7.12
91		styrene	1.187	0.899	24.3	74	0.00	7.20

Initial Calibration Verification

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: VL11472-ICV11472
Lab FileID: L373795.D

92		bromoform	0.312	0.308	1.3	95	0.00	7.36
93		n-amyl acetate	0.388	0.365	5.9	98	0.00	7.33
94		isopropylbenzene	1.709	1.664	2.6	94	0.00	7.51
95		cis-1,4-dichloro-2-butene	0.145	0.160	-10.3	103	0.00	7.57
96	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	99	0.00	8.77
97	S	4-bromofluorobenzene (s)	1.073	1.063	0.9	96	0.00	7.68
98		bromobenzene	0.887	0.877	1.1	98	0.00	7.81
99		1,1,2,2-tetrachloroethane	1.344	1.261	6.2	96	0.00	7.80
100		trans-1,4-dichloro-2-bute	0.269	0.285	-5.9	102	0.00	7.83
101		1,2,3-trichloropropane	0.402	0.366	9.0	95	0.00	7.85
102		n-propylbenzene	4.289	4.265	0.6	96	0.00	7.90
103		2-chlorotoluene	0.832	0.822	1.2	97	0.00	7.99
104		4-chlorotoluene	0.883	0.858	2.8	97	0.00	8.10
105		1,3,5-trimethylbenzene	2.985	3.023	-1.3	97	0.00	8.07
106		tert-butylbenzene	2.355	2.577	-9.4	108	0.00	8.37
107		1,2,4-trimethylbenzene	3.015	3.144	-4.3	100	0.00	8.43
108		sec-butylbenzene	3.418	3.493	-2.2	97	0.00	8.59
109		1,3-dichlorobenzene	1.641	1.576	4.0	96	0.00	8.70
110		p-isopropyltoluene	2.826	2.912	-3.0	98	0.00	8.73
111		1,4-dichlorobenzene	1.695	1.602	5.5	96	0.00	8.80
112		1,2,3-trimethylbenzene		----------NA----------				
113		1,2-dichlorobenzene	1.576	1.519	3.6	96	0.00	9.14
114		n-butylbenzene	1.408	1.473	-4.6	98	0.00	9.12
115		1,2-dibromo-3-chloropropa	0.362	0.347	4.1	96	0.00	9.90
116		1,3,5-trichlorobenzene	1.014	1.152	-13.6	108	0.00	10.09
117		1,2,4-trichlorobenzene	0.894	0.906	-1.3	96	0.00	10.71
118		hexachlorobutadiene	0.336	0.355	-5.7	100	0.00	10.86
119		naphthalene	3.315	3.280	1.1	96	0.00	10.96
120		1,2,3-trichlorobenzene	0.852	0.852	0.0	98	0.00	11.19
121		hexachloroethane	0.431	0.468	-8.6	98	0.00	9.40
122		benzyl chloride	2.623	2.499	4.7	95	0.00	8.91
123		2-methylnaphthalene	1.279	1.324	-3.5	101	0.00	12.09
124		pentafluorobenzene(a)	1.000	1.000	0.0	99	0.00	3.75
125		Freon 143A		----------NA----------				
126		Freon 142B		----------NA----------				
127		vinyl bromide		----------NA----------				
128		Freon 141B		----------NA----------				
129		allyl chloride		----------NA----------				
130		pentane		----------NA----------				
131		1,4-dichlorobenzene-d4(a)	1.000	1.000	0.0	99	0.00	8.77
132		pentachloroethane		----------NA----------				
133		indane		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
L373790.D ML11472.M Fri Oct 17 13:47:42 2025

Initial Calibration Verification

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: VL11472-ICV11472
Lab FileID: L373796.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\Initials\VL11472\L373796.D Vial: 21
Acq On : 16 Oct 2025 11:28 pm Operator: BridgetK
Sample : icv11472-50 Inst : GCMSL
Misc : MS94818,VL11472,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\ML11472.M (RTE Integrator)
Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
Last Update : Fri Oct 17 10:28:42 2025
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	89	0.00	2.61
2		1,4-dioxane		NA				
		---------- True	Calc.	% Drift	----------			
3		ethanol		NA				
		---------- AvgRF	CCRF	% Dev	----------			
4	M	tertiary butyl alcohol		NA				
5	I	pentafluorobenzene	1.000	1.000	0.0	95	0.00	3.75
6		chlorodifluoromethane	0.733	0.663	9.5	85	0.00	1.37
7		dichlorodifluoromethane		NA				
8		chloromethane		NA				
9		vinyl chloride		NA				
10		1,3-butadiene		NA				
11		bromomethane		NA				
12		chloroethane		NA				
13		trichlorofluoromethane		NA				
14		ethyl ether		NA				
15		acrolein		NA				
16		freon 113		NA				
17		1,1-dichloroethene		NA				
18		acetone		NA				
19		acetonitrile		NA				
		---------- True	Calc.	% Drift	----------			
20		iodomethane		NA				
		---------- AvgRF	CCRF	% Dev	----------			
21		iso-butyl alcohol		NA				
22		carbon disulfide		NA				
23		methylene chloride		NA				
24		methyl acetate		NA				
25		methyl tert butyl ether		NA				
26		trans-1,2-dichloroethene		NA				
27		hexane		NA				
28		di-isopropyl ether		NA				
29		ethyl tert-butyl ether		NA				
30		2-butanone		NA				
31	M	1,1-dichloroethane		NA				
32		chloroprene		NA				
33		acrylonitrile	0.279	0.249	10.8	80	0.00	2.76

Initial Calibration Verification

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: VL11472-ICV11472
Lab FileID: L373796.D

34		vinyl acetate		----------NA----------				
35		ethyl acetate		----------NA----------				
36		2,2-dichloropropane		----------NA----------				
37		cis-1,2-dichloroethene		----------NA----------				
38		propionitrile		----------NA----------				
39		methyl acrylate		----------NA----------				
40		bromochloromethane		----------NA----------				
41		tetrahydrofuran		----------NA----------				
42		chloroform		----------NA----------				
43	S	dibromofluoromethane (s)	0.522	0.532	-1.9	97	0.00	3.75
44		methacrylonitrile		----------NA----------				
45		1,1,1-trichloroethane		----------NA----------				
46		cyclohexane		----------NA----------				
47		1,1-dichloropropene		----------NA----------				
48		carbon tetrachloride		----------NA----------				
49		isopropyl acetate		----------NA----------				
50		tert amyl alcohol		----------NA----------				
51	I	1,4-difluorobenzene	1.000	1.000	0.0	91	0.00	4.29
52	S	1,2-dichloroethane-d4 (s)	0.364	0.364	0.0	94	0.00	3.99
53		tert-amyl methyl ether		----------NA----------				
54		2,2,4-trimethylpentane		----------NA----------				
55		n-butyl alcohol		----------NA----------				
56	M	benzene		----------NA----------				
57		heptane		----------NA----------				
58		1,2-dichloroethane		----------NA----------				
59		trichloroethene		----------NA----------				
60		ethyl acrylate		----------NA----------				
61		2-nitropropane		----------NA----------				
62		2-chloroethyl vinyl ether		----------NA----------				
63		methyl methacrylate		----------NA----------				
64		1,2-dichloropropane		----------NA----------				
65		methylcyclohexane		----------NA----------				
66		dibromomethane		----------NA----------				
67		bromodichloromethane		----------NA----------				
68		cis-1,3-dichloropropene		----------NA----------				
69		epichlorohydrin		----------NA----------				
70		4-methyl-2-pentanone		----------NA----------				
71		3-methyl-1-butanol		----------NA----------				
72	I	chlorobenzene-d5	1.000	1.000	0.0	94	0.00	6.61
73	S	toluene-d8 (s)	1.450	1.447	0.2	94	0.00	5.39
74		toluene		----------NA----------				
75		trans-1,3-dichloropropene		----------NA----------				
76		ethyl methacrylate		----------NA----------				
77		1,1,2-trichloroethane		----------NA----------				
78		2-hexanone		----------NA----------				
79		tetrachloroethene		----------NA----------				
80		1,3-dichloropropane		----------NA----------				
81		butyl acetate		----------NA----------				
82		dibromochloromethane		----------NA----------				
83		1,2-dibromoethane		----------NA----------				
84		n-butyl ether		----------NA----------				
85		chlorobenzene		----------NA----------				
86		1,1,1,2-tetrachloroethane		----------NA----------				
87		ethylbenzene		----------NA----------				
88		m,p-xylene		----------NA----------				
89		o-xylene		----------NA----------				
90		butyl acrylate		----------NA----------				
91		styrene		----------NA----------				

Initial Calibration Verification

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: VL11472-ICV11472
Lab FileID: L373796.D

92		bromoform		----------NA----------				
93		n-amyl acetate		----------NA----------				
94		isopropylbenzene		----------NA----------				
95		cis-1,4-dichloro-2-butene		----------NA----------				
96	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	97	0.00	8.77
97	S	4-bromofluorobenzene (s)	1.073	1.051	2.1	93	0.00	7.68
98		bromobenzene		----------NA----------				
99		1,1,2,2-tetrachloroethane		----------NA----------				
100		trans-1,4-dichloro-2-bute		----------NA----------				
101		1,2,3-trichloropropane		----------NA----------				
102		n-propylbenzene		----------NA----------				
103		2-chlorotoluene		----------NA----------				
104		4-chlorotoluene		----------NA----------				
105		1,3,5-trimethylbenzene		----------NA----------				
106		tert-butylbenzene		----------NA----------				
107		1,2,4-trimethylbenzene		----------NA----------				
108		sec-butylbenzene		----------NA----------				
109		1,3-dichlorobenzene		----------NA----------				
110		p-isopropyltoluene		----------NA----------				
111		1,4-dichlorobenzene		----------NA----------				
112		1,2,3-trimethylbenzene	3.186	2.306	27.6	70	0.00	8.82
113		1,2-dichlorobenzene		----------NA----------				
114		n-butylbenzene		----------NA----------				
115		1,2-dibromo-3-chloropropa		----------NA----------				
116		1,3,5-trichlorobenzene		----------NA----------				
117		1,2,4-trichlorobenzene		----------NA----------				
118		hexachlorobutadiene		----------NA----------				
119		naphthalene		----------NA----------				
120		1,2,3-trichlorobenzene		----------NA----------				
121		hexachloroethane		----------NA----------				
122		benzyl chloride		----------NA----------				
123		2-methylnaphthalene		----------NA----------				
124		pentafluorobenzene(a)	1.000	1.000	0.0	95	0.00	3.75
125		Freon 143A		----------NA----------				
126		Freon 142B		----------NA----------				
127		vinyl bromide		----------NA----------				
128		Freon 141B		----------NA----------				
129		allyl chloride		----------NA----------				
130		pentane		----------NA----------				
131		1,4-dichlorobenzene-d4(a)	1.000	1.000	0.0	97	0.00	8.77
132		pentachloroethane		----------NA----------				
133		indane		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
L373790.D ML11472.M Fri Oct 17 10:49:17 2025

Continuing Calibration Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: VL11478-CC11472
Lab FileID: L373952.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\m...025\VL11478\L373952.d Vial: 29
Acq On : 22 Oct 2025 11:34 pm Operator: BridgetK
Sample : cc11472-50 Inst : GCMSL
Misc : MS98394,VL11478,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\ML11472.M (RTE Integrator)
Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
Last Update : Fri Oct 17 13:39:16 2025
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	73	0.00	2.61
2		1,4-dioxane	0.138	0.146	-5.8	80	0.00	4.70
			True	Calc.	% Drift			
3		ethanol	5000.000	5703.222	-14.1	79	0.00	2.09
			AvgRF	CCRF	% Dev			
4	M	tertiary butyl alcohol	1.546	1.491	3.6	76	0.00	2.66
5	I	pentafluorobenzene	1.000	1.000	0.0	82	0.00	3.75
6		chlorodifluoromethane	0.733	0.786	-7.2	88	0.00	1.37
7		dichlorodifluoromethane	0.741	0.776	-4.7	78	0.00	1.35
8		chloromethane	0.711	0.619	12.9	72	0.00	1.48
9		vinyl chloride	0.703	0.680	3.3	78	0.00	1.55
10		1,3-butadiene	0.651	0.762	-17.1	97	0.00	1.58
11		bromomethane	0.175	0.139	20.6#	62	0.00	1.77
12		chloroethane	0.295	0.278	5.8	78	0.00	1.84
13		trichlorofluoromethane	0.894	1.010	-13.0	86	0.00	2.00
14		ethyl ether	0.298	0.309	-3.7	83	0.00	2.16
15		acrolein	0.128	0.126	1.6	78	0.00	2.25
16		freon 113	0.377	0.436	-15.6	87	0.00	2.32
17		1,1-dichloroethene	0.471	0.518	-10.0	86	0.00	2.32
18		acetone	0.093	0.089	4.3	79	0.00	2.34
19		acetonitrile	0.073	0.068	6.8	78	0.00	2.51
			True	Calc.	% Drift			
20		iodomethane	50.000	34.544	30.9#	52	0.00	2.42
			AvgRF	CCRF	% Dev			
21		iso-butyl alcohol	0.063	0.058	7.9	81	0.00	3.90
22		carbon disulfide	1.481	1.548	-4.5	86	0.00	2.47
23		methylene chloride	0.581	0.583	-0.3	84	0.00	2.62
24		methyl acetate	0.146	0.151	-3.4	82	0.00	2.52
25		methyl tert butyl ether	1.558	1.720	-10.4	83	0.00	2.78
26		trans-1,2-dichloroethene	0.536	0.572	-6.7	85	0.00	2.79
27		hexane	0.662	0.755	-14.0	84	0.00	2.96
28		di-isopropyl ether	1.631	1.667	-2.2	79	0.00	3.07
29		ethyl tert-butyl ether	1.675	1.767	-5.5	80	0.00	3.30
30		2-butanone	0.117	0.123	-5.1	79	0.00	3.41
31	M	1,1-dichloroethane	1.012	1.050	-3.8	83	0.00	3.07
32		chloroprene	0.870	0.960	-10.3	84	0.00	3.11
33		acrylonitrile	0.279	0.285	-2.2	79	0.00	2.76

Continuing Calibration Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: VL11478-CC11472
Lab FileID: L373952.D

34		vinyl acetate	0.132	0.145	-9.8	83	0.00	3.05
35		ethyl acetate	0.144	0.131	9.0	69	0.00	3.42
36		2,2-dichloropropane	0.911	0.914	-0.3	82	0.00	3.44
37		cis-1,2-dichloroethene	0.588	0.619	-5.3	84	0.00	3.43
38		propionitrile	0.159	0.150	5.7	77	0.00	3.45
39		methyl acrylate	0.124	0.134	-8.1	81	0.00	3.46
40		bromochloromethane	0.259	0.277	-6.9	87	0.00	3.59
41		tetrahydrofuran	0.145	0.148	-2.1	80	0.00	3.60
42		chloroform	1.123	1.091	2.8	84	0.00	3.64
43	S	dibromofluoromethane (s)	0.522	0.504	3.4	79	0.00	3.75
44		methacrylonitrile	0.339	0.347	-2.4	81	0.00	3.55
45		1,1,1-trichloroethane	0.889	0.976	-9.8	86	0.00	3.77
46		cyclohexane	0.739	0.811	-9.7	84	0.00	3.82
47		1,1-dichloropropene	0.721	0.826	-14.6	85	0.00	3.87
48		carbon tetrachloride	0.725	0.792	-9.2	84	0.00	3.87
49		isopropyl acetate	0.161	0.167	-3.7	80	0.00	4.00
50		tert amyl alcohol	0.063	0.052	17.5	76	0.00	3.98
51	I	1,4-difluorobenzene	1.000	1.000	0.0	80	0.00	4.29
52	S	1,2-dichloroethane-d4 (s)	0.364	0.345	5.2	78	0.00	3.98
53		tert-amyl methyl ether	0.973	1.027	-5.5	81	0.00	4.08
54		2,2,4-trimethylpentane	0.724	0.807	-11.5	82	0.00	4.08
55		n-butyl alcohol	0.029	0.025	13.8	74	0.00	4.36
56	M	benzene	1.301	1.353	-4.0	83	0.00	4.01
57		heptane	0.154	0.164	-6.5	80	0.00	4.19
58		1,2-dichloroethane	0.495	0.507	-2.4	84	0.00	4.04
59		trichloroethene	0.328	0.365	-11.3	85	0.00	4.46
60		ethyl acrylate	0.586	0.562	4.1	79	0.00	4.50
61		2-nitropropane	0.174	0.163	6.3	79	0.00	5.00
62		2-chloroethyl vinyl ether	0.113	0.104	8.0	75	0.00	5.04
63		methyl methacrylate	0.109	0.114	-4.6	80	0.00	4.67
64		1,2-dichloropropane	0.332	0.346	-4.2	83	0.00	4.65
65		methylcyclohexane	0.449	0.529	-17.8	86	0.00	4.64
66		dibromomethane	0.229	0.235	-2.6	84	0.00	4.72
67		bromodichloromethane	0.474	0.478	-0.8	83	0.00	4.84
68		cis-1,3-dichloropropene	0.531	0.537	-1.1	80	0.00	5.17
69		epichlorohydrin	0.068	0.064	5.9	77	0.00	5.09
70		4-methyl-2-pentanone	0.209	0.193	7.7	77	0.00	5.28
71		3-methyl-1-butanol	0.027	0.023	14.8	76	0.00	5.31
72	I	chlorobenzene-d5	1.000	1.000	0.0	79	0.00	6.61
73	S	toluene-d8 (s)	1.450	1.487	-2.6	81	0.00	5.39
74		toluene	1.026	1.084	-5.7	84	0.00	5.45
75		trans-1,3-dichloropropene	0.640	0.675	-5.5	80	0.00	5.62
76		ethyl methacrylate	0.647	0.637	1.5	81	0.00	5.65
77		1,1,2-trichloroethane	0.340	0.366	-7.6	84	0.00	5.78
78		2-hexanone	0.292	0.273	6.5	78	0.00	5.95
79		tetrachloroethene	0.412	0.464	-12.6	87	0.00	5.87
80		1,3-dichloropropane	0.656	0.707	-7.8	84	0.00	5.92
81		butyl acetate	0.384	0.363	5.5	79	0.00	6.04
82		dibromochloromethane	0.439	0.451	-2.7	82	0.00	6.10
83		1,2-dibromoethane	0.413	0.446	-8.0	83	0.00	6.21
84		n-butyl ether	1.728	1.739	-0.6	81	0.00	6.71
85		chlorobenzene	1.078	1.106	-2.6	84	0.00	6.63
86		1,1,1,2-tetrachloroethane	0.365	0.403	-10.4	82	0.00	6.71
87		ethylbenzene	1.880	2.014	-7.1	85	0.00	6.71
88		m,p-xylene	0.724	0.770	-6.4	85	0.00	6.83
89		o-xylene	0.708	0.747	-5.5	86	0.00	7.18
90		butyl acrylate	1.036	0.967	6.7	80	0.00	7.12
91		styrene	1.187	1.269	-6.9	85	0.00	7.19

Continuing Calibration Summary

Job Number: JE21034 **Sample:** VL11478-CC11472
Account: BBLNYS Arcadis **Lab FileID:** L373952.D
Project: Saratoga Springs, NY

92		bromoform	0.312	0.306	1.9	77	0.00	7.36
93		n-amyl acetate	0.388	0.374	3.6	81	0.00	7.33
94		isopropylbenzene	1.709	1.865	-9.1	86	0.00	7.51
95		cis-1,4-dichloro-2-butene	0.145	0.091	37.2#	48#	0.00	7.57
96	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	84	0.00	8.77
97	S	4-bromofluorobenzene (s)	1.073	1.014	5.5	78	0.00	7.67
98		bromobenzene	0.887	0.895	-0.9	85	0.00	7.81
99		1,1,2,2-tetrachloroethane	1.344	1.251	6.9	81	0.00	7.80
100		trans-1,4-dichloro-2-bute	0.269	0.162	39.8#	49#	0.00	7.83
101		1,2,3-trichloropropane	0.402	0.380	5.5	83	0.00	7.85
102		n-propylbenzene	4.289	4.483	-4.5	86	0.00	7.90
103		2-chlorotoluene	0.832	0.852	-2.4	85	0.00	7.99
104		4-chlorotoluene	0.883	0.886	-0.3	85	0.00	8.10
105		1,3,5-trimethylbenzene	2.985	3.156	-5.7	86	0.00	8.07
106		tert-butylbenzene	2.355	2.436	-3.4	86	0.00	8.37
107		1,2,4-trimethylbenzene	3.015	3.170	-5.1	86	0.00	8.43
108		sec-butylbenzene	3.418	3.647	-6.7	86	0.00	8.59
109		1,3-dichlorobenzene	1.641	1.656	-0.9	86	0.00	8.70
110		p-isopropyltoluene	2.826	3.041	-7.6	87	0.00	8.73
111		1,4-dichlorobenzene	1.695	1.719	-1.4	88	0.00	8.80
112		1,2,3-trimethylbenzene	3.186	3.276	-2.8	86	0.00	8.82
113		1,2-dichlorobenzene	1.576	1.618	-2.7	86	0.00	9.14
114		n-butylbenzene	1.408	1.520	-8.0	86	0.00	9.13
115		1,2-dibromo-3-chloropropa	0.362	0.327	9.7	77	0.00	9.91
116		1,3,5-trichlorobenzene	1.014	1.071	-5.6	85	0.00	10.09
117		1,2,4-trichlorobenzene	0.894	0.938	-4.9	85	0.00	10.71
118		hexachlorobutadiene	0.336	0.380	-13.1	91	0.00	10.86
119		naphthalene	3.315	3.336	-0.6	83	0.00	10.97
120		1,2,3-trichlorobenzene	0.852	0.867	-1.8	84	0.00	11.19
121		hexachloroethane	0.431	0.414	3.9	73	0.00	9.40
122		benzyl chloride	2.623	2.355	10.2	76	0.00	8.91
123		2-methylnaphthalene	1.279	1.235	3.4	80	0.00	12.09
124		pentafluorobenzene(a)	1.000	1.000	0.0	82	0.00	3.75
125		Freon 143A		----------NA----------				
126		Freon 142B		----------NA----------				
127		vinyl bromide		----------NA----------				
128		Freon 141B		----------NA----------				
129		allyl chloride		----------NA----------				
130		pentane		----------NA----------				
131		1,4-dichlorobenzene-d4(a)	1.000	1.000	0.0	84	0.00	8.77
132		pentachloroethane		----------NA----------				
133		indane		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
L373790.D ML11472.M Thu Oct 23 08:14:06 2025

Continuing Calibration Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: VL11478-CC11472
Lab FileID: L373953.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\m...025\VL11478\L373953.d Vial: 30
Acq On : 22 Oct 2025 11:59 pm Operator: BridgetK
Sample : cc11472-1 Inst : GCMSL
Misc : MS98394,VL11478,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\ML11472.M (RTE Integrator)
Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
Last Update : Fri Oct 17 13:39:16 2025
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 200% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	80	0.00	2.60
2		1,4-dioxane		NA				
		----------	True	Calc.	% Drift	----------		
3		ethanol		NA				
		----------	AvgRF	CCRF	% Dev	----------		
4	M	tertiary butyl alcohol		NA				
5	I	pentafluorobenzene	1.000	1.000	0.0	85	0.00	3.75
6		chlorodifluoromethane		NA				
7		dichlorodifluoromethane		NA				
8		chloromethane		NA				
9		vinyl chloride		NA				
10		1,3-butadiene		NA				
11		bromomethane	0.175	0.149	14.9	67	0.00	1.77
12		chloroethane		NA				
13		trichlorofluoromethane		NA				
14		ethyl ether		NA				
15		acrolein		NA				
16		freon 113		NA				
17		1,1-dichloroethene		NA				
18		acetone		NA				
19		acetonitrile		NA				
		----------	True	Calc.	% Drift	----------		
20		iodomethane	2.000	2.227	-11.3	64	0.00	2.42
		----------	AvgRF	CCRF	% Dev	----------		
21		iso-butyl alcohol		NA				
22		carbon disulfide		NA				
23		methylene chloride		NA				
24		methyl acetate		NA				
25		methyl tert butyl ether		NA				
26		trans-1,2-dichloroethene		NA				
27		hexane		NA				
28		di-isopropyl ether		NA				
29		ethyl tert-butyl ether		NA				
30		2-butanone		NA				
31	M	1,1-dichloroethane		NA				
32		chloroprene		NA				
33		acrylonitrile		NA				

Continuing Calibration Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: VL11478-CC11472
Lab FileID: L373953.D

34		vinyl acetate		----------NA----------				
35		ethyl acetate		----------NA----------				
36		2,2-dichloropropane		----------NA----------				
37		cis-1,2-dichloroethene		----------NA----------				
38		propionitrile		----------NA----------				
39		methyl acrylate		----------NA----------				
40		bromochloromethane		----------NA----------				
41		tetrahydrofuran		----------NA----------				
42		chloroform		----------NA----------				
43	S	dibromofluoromethane (s)	0.522	0.496	5.0	80	0.00	3.75
44		methacrylonitrile		----------NA----------				
45		1,1,1-trichloroethane		----------NA----------				
46		cyclohexane		----------NA----------				
47		1,1-dichloropropene		----------NA----------				
48		carbon tetrachloride		----------NA----------				
49		isopropyl acetate		----------NA----------				
50		tert amyl alcohol		----------NA----------				
51	I	1,4-difluorobenzene	1.000	1.000	0.0	82	0.00	4.29
52	S	1,2-dichloroethane-d4 (s)	0.364	0.359	1.4	80	0.00	3.98
53		tert-amyl methyl ether		----------NA----------				
54		2,2,4-trimethylpentane		----------NA----------				
55		n-butyl alcohol		----------NA----------				
56	M	benzene		----------NA----------				
57		heptane		----------NA----------				
58		1,2-dichloroethane		----------NA----------				
59		trichloroethene		----------NA----------				
60		ethyl acrylate		----------NA----------				
61		2-nitropropane		----------NA----------				
62		2-chloroethyl vinyl ether		----------NA----------				
63		methyl methacrylate		----------NA----------				
64		1,2-dichloropropane		----------NA----------				
65		methylcyclohexane		----------NA----------				
66		dibromomethane		----------NA----------				
67		bromodichloromethane		----------NA----------				
68		cis-1,3-dichloropropene		----------NA----------				
69		epichlorohydrin		----------NA----------				
70		4-methyl-2-pentanone		----------NA----------				
71		3-methyl-1-butanol		----------NA----------				
72	I	chlorobenzene-d5	1.000	1.000	0.0	80	0.00	6.61
73	S	toluene-d8 (s)	1.450	1.455	-0.3	80	0.00	5.39
74		toluene		----------NA----------				
75		trans-1,3-dichloropropene		----------NA----------				
76		ethyl methacrylate		----------NA----------				
77		1,1,2-trichloroethane		----------NA----------				
78		2-hexanone		----------NA----------				
79		tetrachloroethene		----------NA----------				
80		1,3-dichloropropane		----------NA----------				
81		butyl acetate		----------NA----------				
82		dibromochloromethane		----------NA----------				
83		1,2-dibromoethane		----------NA----------				
84		n-butyl ether		----------NA----------				
85		chlorobenzene		----------NA----------				
86		1,1,1,2-tetrachloroethane		----------NA----------				
87		ethylbenzene		----------NA----------				
88		m,p-xylene		----------NA----------				
89		o-xylene		----------NA----------				
90		butyl acrylate		----------NA----------				
91		styrene		----------NA----------				

Continuing Calibration Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: VL11478-CC11472
Lab FileID: L373953.D

92		bromoform		----------NA----------				
93		n-amyl acetate		----------NA----------				
94		isopropylbenzene		----------NA----------				
95		cis-1,4-dichloro-2-butene	0.145	0.045	69.0	27#	0.00	7.57
96	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	79	0.00	8.77
97	S	4-bromofluorobenzene (s)	1.073	1.058	1.4	79	0.00	7.67
98		bromobenzene		----------NA----------				
99		1,1,2,2-tetrachloroethane		----------NA----------				
100		trans-1,4-dichloro-2-bute	0.269	0.068	74.7	21#	0.00	7.83
101		1,2,3-trichloropropane		----------NA----------				
102		n-propylbenzene		----------NA----------				
103		2-chlorotoluene		----------NA----------				
104		4-chlorotoluene		----------NA----------				
105		1,3,5-trimethylbenzene		----------NA----------				
106		tert-butylbenzene		----------NA----------				
107		1,2,4-trimethylbenzene		----------NA----------				
108		sec-butylbenzene		----------NA----------				
109		1,3-dichlorobenzene		----------NA----------				
110		p-isopropyltoluene		----------NA----------				
111		1,4-dichlorobenzene		----------NA----------				
112		1,2,3-trimethylbenzene		----------NA----------				
113		1,2-dichlorobenzene		----------NA----------				
114		n-butylbenzene		----------NA----------				
115		1,2-dibromo-3-chloropropa		----------NA----------				
116		1,3,5-trichlorobenzene		----------NA----------				
117		1,2,4-trichlorobenzene		----------NA----------				
118		hexachlorobutadiene		----------NA----------				
119		naphthalene		----------NA----------				
120		1,2,3-trichlorobenzene		----------NA----------				
121		hexachloroethane		----------NA----------				
122		benzyl chloride		----------NA----------				
123		2-methylnaphthalene		----------NA----------				
124		pentafluorobenzene(a)	1.000	1.000	0.0	85	0.00	3.75
125		Freon 143A		----------NA----------				
126		Freon 142B		----------NA----------				
127		vinyl bromide		----------NA----------				
128		Freon 141B		----------NA----------				
129		allyl chloride		----------NA----------				
130		pentane		----------NA----------				
131		1,4-dichlorobenzene-d4(a)	1.000	1.000	0.0	79	0.00	8.77
132		pentachloroethane		----------NA----------				
133		indane		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
L373786.D ML11472.M Thu Oct 23 08:19:07 2025

Run Sequence Report

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Run ID: V1K658 **Method:** SW846 8260D **Instrument ID:** GCMS1K

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V1K658-BFB	1K23792.D	09/05/25 20:18	n/a	BFB Tune
V1K658-IC658	1K23794.D	09/05/25 21:07	n/a	Initial cal 0.2
V1K658-IC658	1K23796.D	09/05/25 21:41	n/a	Initial cal 0.5
V1K658-IC658	1K23798.D	09/05/25 22:16	n/a	Initial cal 1
V1K658-IC658	1K23800.D	09/05/25 22:50	n/a	Initial cal 2
V1K658-IC658	1K23802.D	09/05/25 23:24	n/a	Initial cal 4
V1K658-IC658	1K23804.D	09/05/25 23:58	n/a	Initial cal 8
V1K658-IC658	1K23806.D	09/06/25 00:32	n/a	Initial cal 20
V1K658-ICC658	1K23808.D	09/06/25 01:06	n/a	Initial cal 50
V1K658-IC658	1K23810.D	09/06/25 01:40	n/a	Initial cal 100
V1K658-IC658	1K23812.D	09/06/25 02:14	n/a	Initial cal 200
V1K658-ICV658	1K23818.D	09/06/25 03:56	n/a	Initial cal verification 50
V1K658-ICV658	1K23820.D	09/06/25 04:30	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Run ID: V1K694	**Method:** SW846 8260D	**Instrument ID:** GCMS1K

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V1K694-CC658	1K25207.D	10/17/25 22:46	n/a	Continuing cal 50
V1K694-CC658	1K25209.D	10/17/25 23:19	n/a	Continuing cal 1
V1K694-BS	1K25211.D	10/17/25 23:53	n/a	Blank Spike
V1K694-MB	1K25215.D	10/18/25 01:01	n/a	Method Blank
JE21034-6	1K25217.D	10/18/25 01:35	n/a	MW-ORS-01 10102025
JE21034-6MS	1K25219.D	10/18/25 02:08	n/a	Matrix Spike
JE21034-6MSD	1K25221.D	10/18/25 02:42	n/a	Matrix Spike Duplicate
ZZZZZZ	1K25225.D	10/18/25 03:50	n/a	(unrelated sample)
JE21034-1	1K25227.D	10/18/25 04:24	n/a	MW-EPA-09 10102025
ZZZZZZ	1K25229.D	10/18/25 04:57	n/a	(unrelated sample)
ZZZZZZ	1K25231.D	10/18/25 05:31	n/a	(unrelated sample)
ZZZZZZ	1K25233.D	10/18/25 06:05	n/a	(unrelated sample)
ZZZZZZ	1K25235.D	10/18/25 06:39	n/a	(unrelated sample)
ZZZZZZ	1K25237.D	10/18/25 07:12	n/a	(unrelated sample)
ZZZZZZ	1K25239.D	10/18/25 07:46	n/a	(unrelated sample)
ZZZZZZ	1K25241.D	10/18/25 08:20	n/a	(unrelated sample)
ZZZZZZ	1K25243.D	10/18/25 08:54	n/a	(unrelated sample)

Run Sequence Report

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Run ID: V1T579 **Method:** SW846 8260D **Instrument ID:** GCMS1T

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V1T579-BFB	1T23992.D	09/18/25 08:09	n/a	BFB Tune
V1T579-IC579	1T23994.D	09/18/25 09:03	n/a	Initial cal 0.2
V1T579-IC579	1T23996.D	09/18/25 10:35	n/a	Initial cal 0.5
V1T579-IC579	1T23998.D	09/18/25 11:03	n/a	Initial cal 1
V1T579-IC579	1T24000.D	09/18/25 11:30	n/a	Initial cal 2
V1T579-IC579	1T24002.D	09/18/25 11:57	n/a	Initial cal 4
V1T579-IC579	1T24004.D	09/18/25 12:34	n/a	Initial cal 8
V1T579-IC579	1T24006.D	09/18/25 13:01	n/a	Initial cal 20
V1T579-ICC579	1T24008.D	09/18/25 13:29	n/a	Initial cal 50
V1T579-IC579	1T24010.D	09/18/25 13:57	n/a	Initial cal 100
V1T579-IC579	1T24012.D	09/18/25 14:24	n/a	Initial cal 200
V1T579-ICV579	1T24018.D	09/18/25 15:47	n/a	Initial cal verification 50
V1T579-ICV579	1T24020.D	09/18/25 16:14	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Run ID: V1T610	**Method:** SW846 8260D	**Instrument ID:** GCMS1T

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V1T610-CC579	1T25478.D	10/20/25 10:13	n/a	Continuing cal 20
V1T610-CC579	1T25480.D	10/20/25 11:08	n/a	Continuing cal 1
V1T610-BS	1T25482.D	10/20/25 11:36	n/a	Blank Spike
V1T610-MB	1T25486.D	10/20/25 12:31	n/a	Method Blank
ZZZZZZ	1T25488.D	10/20/25 13:12	n/a	(unrelated sample)
ZZZZZZ	1T25490.D	10/20/25 13:39	n/a	(unrelated sample)
ZZZZZZ	1T25492.D	10/20/25 14:06	n/a	(unrelated sample)
ZZZZZZ	1T25494.D	10/20/25 14:34	n/a	(unrelated sample)
ZZZZZZ	1T25496.D	10/20/25 15:01	n/a	(unrelated sample)
JE21034-6	1T25498.D	10/20/25 15:28	n/a	MW-ORS-01 10102025
JE21330-9	1T25500.D	10/20/25 15:56	n/a	(used for QC only; not part of job JE21034)
JE21330-9MS	1T25502.D	10/20/25 16:23	n/a	Matrix Spike
JE21330-9MSD	1T25504.D	10/20/25 16:50	n/a	Matrix Spike Duplicate
ZZZZZZ	1T25508.D	10/20/25 17:45	n/a	(unrelated sample)
ZZZZZZ	1T25510.D	10/20/25 18:12	n/a	(unrelated sample)
ZZZZZZ	1T25516.D	10/20/25 19:34	n/a	(unrelated sample)
ZZZZZZ	1T25518.D	10/20/25 20:02	n/a	(unrelated sample)
ZZZZZZ	1T25520.D	10/20/25 20:29	n/a	(unrelated sample)
ZZZZZZ	1T25522.D	10/20/25 20:56	n/a	(unrelated sample)

Run Sequence Report

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Run ID: VL11472	**Method:** SW846 8260D	**Instrument ID:** GCMSL

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VL11472-BFB	L373782.D	10/16/25 17:06	n/a	BFB Tune
VL11472-IC11472	L373783.D	10/16/25 18:00	n/a	Initial cal 0.2
VL11472-IC11472	L373784.D	10/16/25 18:25	n/a	Initial cal 0.5
VL11472-IC11472	L373785.D	10/16/25 18:50	n/a	Initial cal 1
VL11472-IC11472	L373786.D	10/16/25 19:15	n/a	Initial cal 2
VL11472-IC11472	L373787.D	10/16/25 19:41	n/a	Initial cal 4
VL11472-IC11472	L373788.D	10/16/25 20:06	n/a	Initial cal 8
VL11472-IC11472	L373789.D	10/16/25 20:31	n/a	Initial cal 20
VL11472-ICC11472	L373790.D	10/16/25 20:56	n/a	Initial cal 50
VL11472-IC11472	L373791.D	10/16/25 21:22	n/a	Initial cal 100
VL11472-IC11472	L373792.D	10/16/25 21:47	n/a	Initial cal 200
VL11472-ICV11472	L373795.D	10/16/25 23:03	n/a	Initial cal verification 50
VL11472-ICV11472	L373796.D	10/16/25 23:28	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Run ID: VL11478 **Method:** SW846 8260D **Instrument ID:** GCMSL

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VL11478-CC11472	L373952.D	10/22/25 23:34	n/a	Continuing cal 50
VL11478-CC11472	L373953.D	10/22/25 23:59	n/a	Continuing cal 1
VL11478-BS	L373954.D	10/23/25 00:25	n/a	Blank Spike
VL11478-MB	L373956.D	10/23/25 01:15	n/a	Method Blank
JE21501-1	L373957.D	10/23/25 01:40	n/a	(used for QC only; not part of job JE21034)
ZZZZZZ	L373958.D	10/23/25 02:05	n/a	(unrelated sample)
JE21501-1MS	L373959.D	10/23/25 02:31	n/a	Matrix Spike
JE21501-1MSD	L373960.D	10/23/25 02:56	n/a	Matrix Spike Duplicate
ZZZZZZ	L373962.D	10/23/25 03:47	n/a	(unrelated sample)
JE21034-3	L373963.D	10/23/25 04:12	n/a	MW-EPA-10 10102025
JE21034-4	L373964.D	10/23/25 04:37	n/a	MW-SS-09-07 10102025
JE21034-5	L373965.D	10/23/25 05:02	n/a	MW-EPA-02R 10102025
JE21034-7	L373966.D	10/23/25 05:28	n/a	MW-EPA-06 10102025
JE21034-8	L373967.D	10/23/25 05:53	n/a	MW-SS-09-06 10102025
ZZZZZZ	L373968.D	10/23/25 06:18	n/a	(unrelated sample)
ZZZZZZ	L373969.D	10/23/25 06:43	n/a	(unrelated sample)
ZZZZZZ	L373970.D	10/23/25 07:09	n/a	(unrelated sample)
ZZZZZZ	L373971.D	10/23/25 07:34	n/a	(unrelated sample)
ZZZZZZ	L373972.D	10/23/25 07:59	n/a	(unrelated sample)
ZZZZZZ	L373973.D	10/23/25 08:24	n/a	(unrelated sample)
ZZZZZZ	L373974.D	10/23/25 08:50	n/a	(unrelated sample)
ZZZZZZ	L373975.D	10/23/25 09:15	n/a	(unrelated sample)
ZZZZZZ	L373976.D	10/23/25 09:40	n/a	(unrelated sample)
ZZZZZZ	L373977.D	10/23/25 10:06	n/a	(unrelated sample)
ZZZZZZ	L373978.D	10/23/25 10:31	n/a	(unrelated sample)
ZZZZZZ	L373979.D	10/23/25 10:56	n/a	(unrelated sample)

MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : R:\MSVOA\Done\Batch\2025\10. October\10-20-2025\diegop\V1K694\
Data File : 1K25227.d
Acq On : 18 Oct 2025 4:24 am
Operator : EDWARDD
Sample : je21034-1 Inst : GCMSK
Misc : MS98248,V1K694,5,,,,1
ALS Vial : 69 Sample Multiplier: 1

Quant Time: Oct 22 08:43:20 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Oct 20 16:09:06 2025
Response via : Initial Calibration

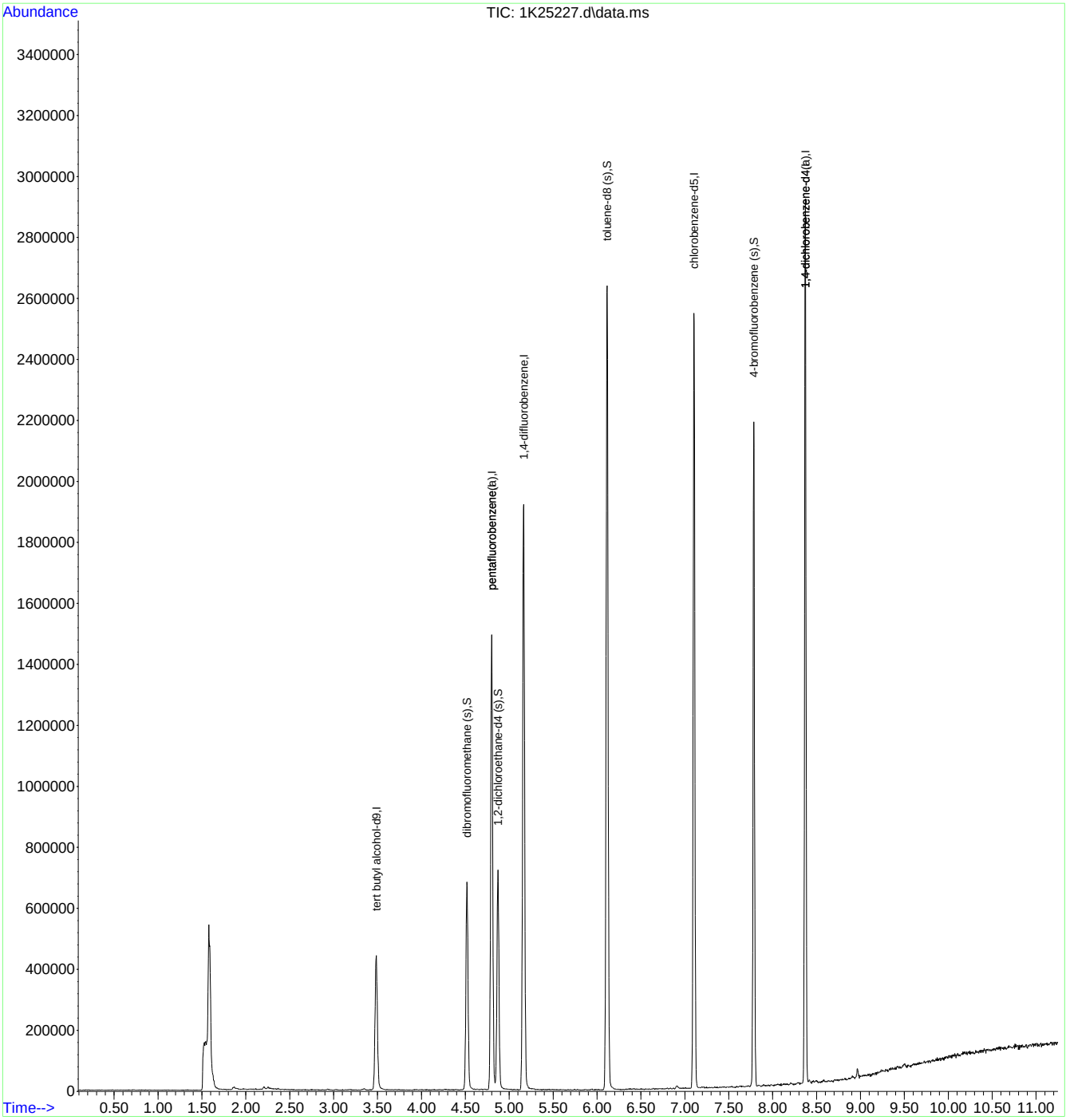
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	3.486	65	441303	500.00	ug/L	0.00
5) pentafluorobenzene	4.801	168	864276	50.00	ug/L	0.00
50) 1,4-difluorobenzene	5.164	114	1309648	50.00	ug/L	0.00
72) chlorobenzene-d5	7.103	117	1098794	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	8.373	152	528294	50.00	ug/L	0.00
124) pentafluorobenzene(a)	4.801	168	864276	50.00	ug/L	0.00
128) 1,4-dichlorobenzene-d4(a)	8.373	152	528294	50.00	ug/L	0.00
System Monitoring Compounds						
42) dibromofluoromethane (s)	4.518	113	349912	47.55	ug/L	0.00
Spiked Amount 50.000	Range 75 - 127		Recovery = 95.10%			
51) 1,2-dichloroethane-d4 (s)	4.872	65	400041	43.74	ug/L	0.00
Spiked Amount 50.000	Range 75 - 130		Recovery = 87.48%			
73) toluene-d8 (s)	6.116	98	1499820	48.79	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.58%			
97) 4-bromofluorobenzene (s)	7.785	95	507804	45.25	ug/L	0.00
Spiked Amount 50.000	Range 79 - 127		Recovery = 90.50%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : R:\MSVOA\Done\Batch\2025\10. October\10-20-2025\diegop\V1K694\
Data File : 1K25227.d
Acq On : 18 Oct 2025 4:24 am
Operator : EDWARDD
Sample : je21034-1 Inst : GCMSK
Misc : MS98248,V1K694,5,,,,1
ALS Vial : 69 Sample Multiplier: 1

Quant Time: Oct 22 08:43:20 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Oct 20 16:09:06 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\natalil\2025\10. Oct\10232025\VL11478\
Data File : L373963.d
Acq On : 23 Oct 2025 4:12 am
Operator : BridgetK
Sample : je21034-3 Inst : GCMSL
Misc : MS98098,VL11478,5,,,,1
ALS Vial : 39 Sample Multiplier: 1

Quant Time: Oct 23 11:45:16 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 13:39:16 2025
Response via : Initial Calibration

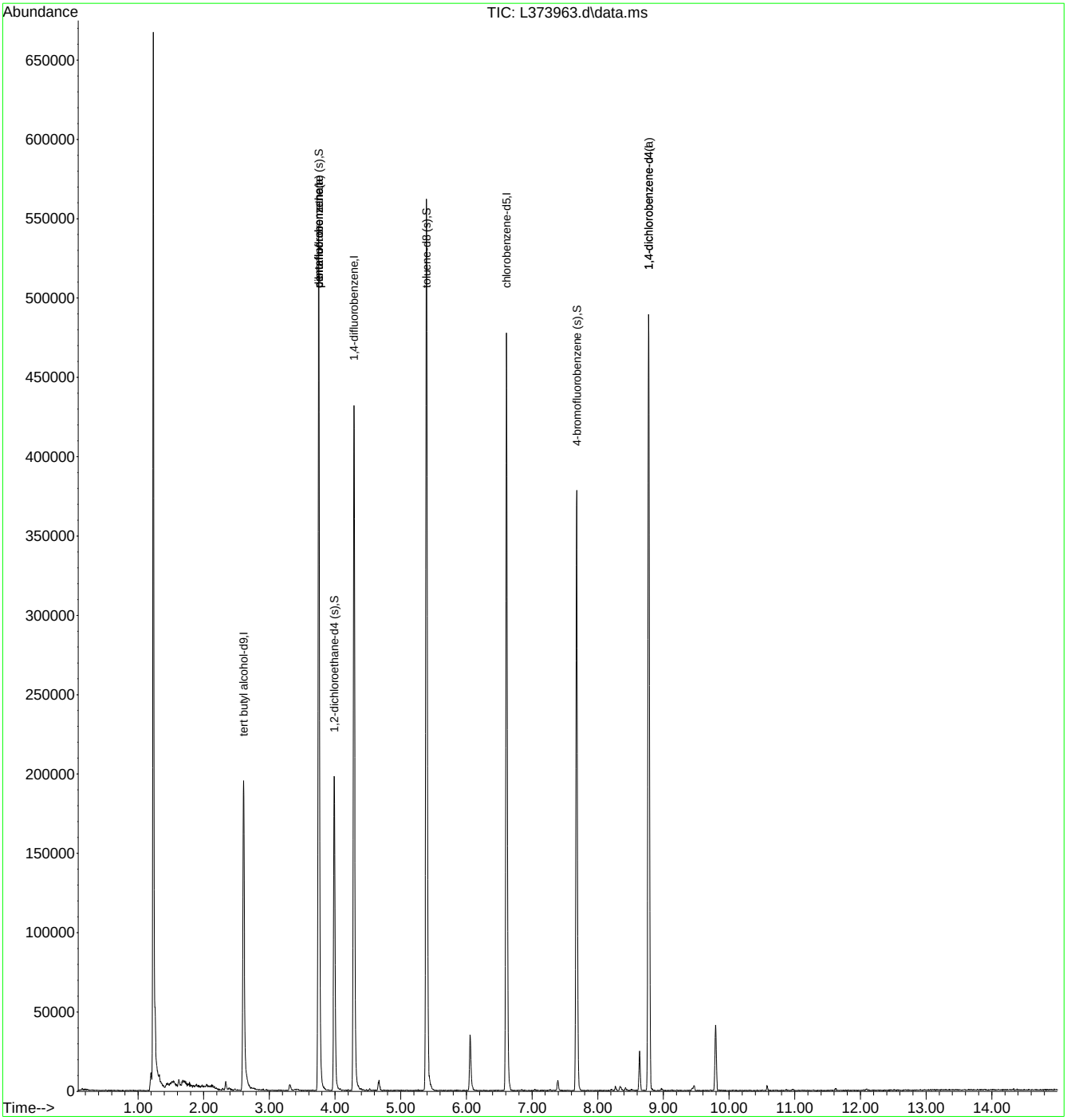
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	2.607	65	191644	500.00	ug/L	0.00
5) pentafluorobenzene	3.752	168	182729	50.00	ug/L	0.00
51) 1,4-difluorobenzene	4.288	114	290356	50.00	ug/L	0.00
72) chlorobenzene-d5	6.611	117	238307	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	8.774	152	118313	50.00	ug/L	0.00
124) pentafluorobenzene(a)	3.752	168	182729	50.00	ug/L	0.00
131) 1,4-dichlorobenzene-d4(a)	8.774	152	118313	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	3.752	113	95414	50.02	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.04%			
52) 1,2-dichloroethane-d4 (s)	3.990	65	109209	51.70	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 103.40%			
73) toluene-d8 (s)	5.392	98	338030	48.91	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.82%			
97) 4-bromofluorobenzene (s)	7.680	95	124039	48.86	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.72%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\natalil\2025\10. Oct\10232025\VL11478\
Data File : L373963.d
Acq On : 23 Oct 2025 4:12 am
Operator : BridgetK
Sample : je21034-3 Inst : GCMSL
Misc : MS98098,VL11478,5,,,,1
ALS Vial : 39 Sample Multiplier: 1

Quant Time: Oct 23 11:45:16 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 13:39:16 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\natalil\2025\10. Oct\10232025\VL11478\
Data File : L373964.d
Acq On : 23 Oct 2025 4:37 am
Operator : BridgetK
Sample : je21034-4 Inst : GCMSL
Misc : MS98098,VL11478,5,,,,1
ALS Vial : 40 Sample Multiplier: 1

Quant Time: Oct 23 11:45:35 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 13:39:16 2025
Response via : Initial Calibration

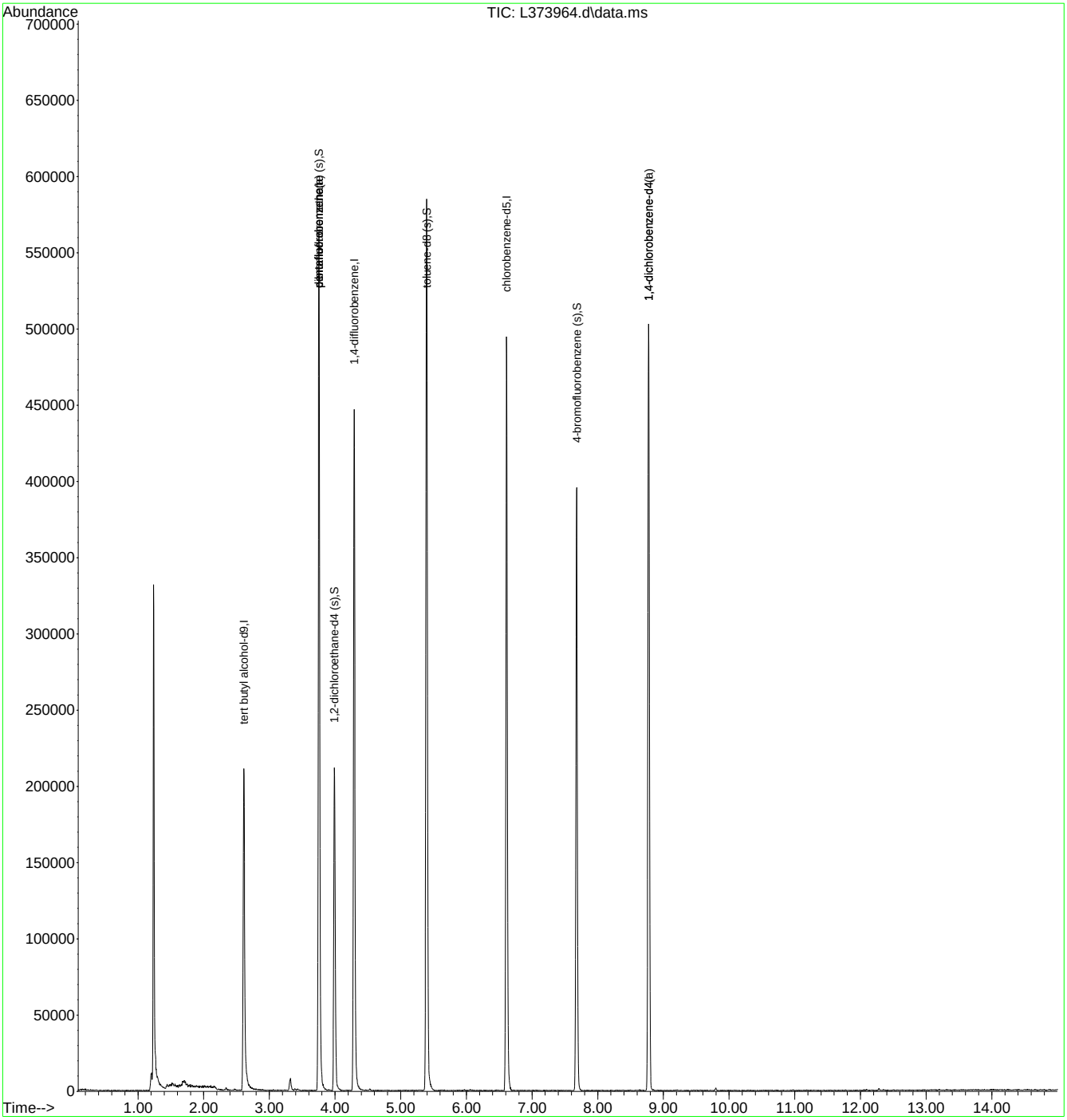
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	2.610	65	205068	500.00	ug/L	0.00
5) pentafluorobenzene	3.756	168	189488	50.00	ug/L	0.00
51) 1,4-difluorobenzene	4.291	114	300500	50.00	ug/L	0.00
72) chlorobenzene-d5	6.611	117	249006	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	8.777	152	124570	50.00	ug/L	0.00
124) pentafluorobenzene(a)	3.756	168	189488	50.00	ug/L	0.00
131) 1,4-dichlorobenzene-d4(a)	8.777	152	124570	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	3.756	113	98388	49.74	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.48%			
52) 1,2-dichloroethane-d4 (s)	3.990	65	115193	52.70	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 105.40%			
73) toluene-d8 (s)	5.395	98	350582	48.55	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.10%			
97) 4-bromofluorobenzene (s)	7.680	95	129575	48.48	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 96.96%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\natalil\2025\10. Oct\10232025\VL11478\
Data File : L373964.d
Acq On : 23 Oct 2025 4:37 am
Operator : BridgetK
Sample : je21034-4 Inst : GCMSL
Misc : MS98098,VL11478,5,,,,1
ALS Vial : 40 Sample Multiplier: 1

Quant Time: Oct 23 11:45:35 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 13:39:16 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\natalil\2025\10. Oct\10232025\VL11478\
Data File : L373965.d
Acq On : 23 Oct 2025 5:02 am
Operator : BridgetK
Sample : je21034-5 Inst : GCMSL
Misc : MS98098,VL11478,5,,,,1
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Oct 23 11:49:11 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 13:39:16 2025
Response via : Initial Calibration

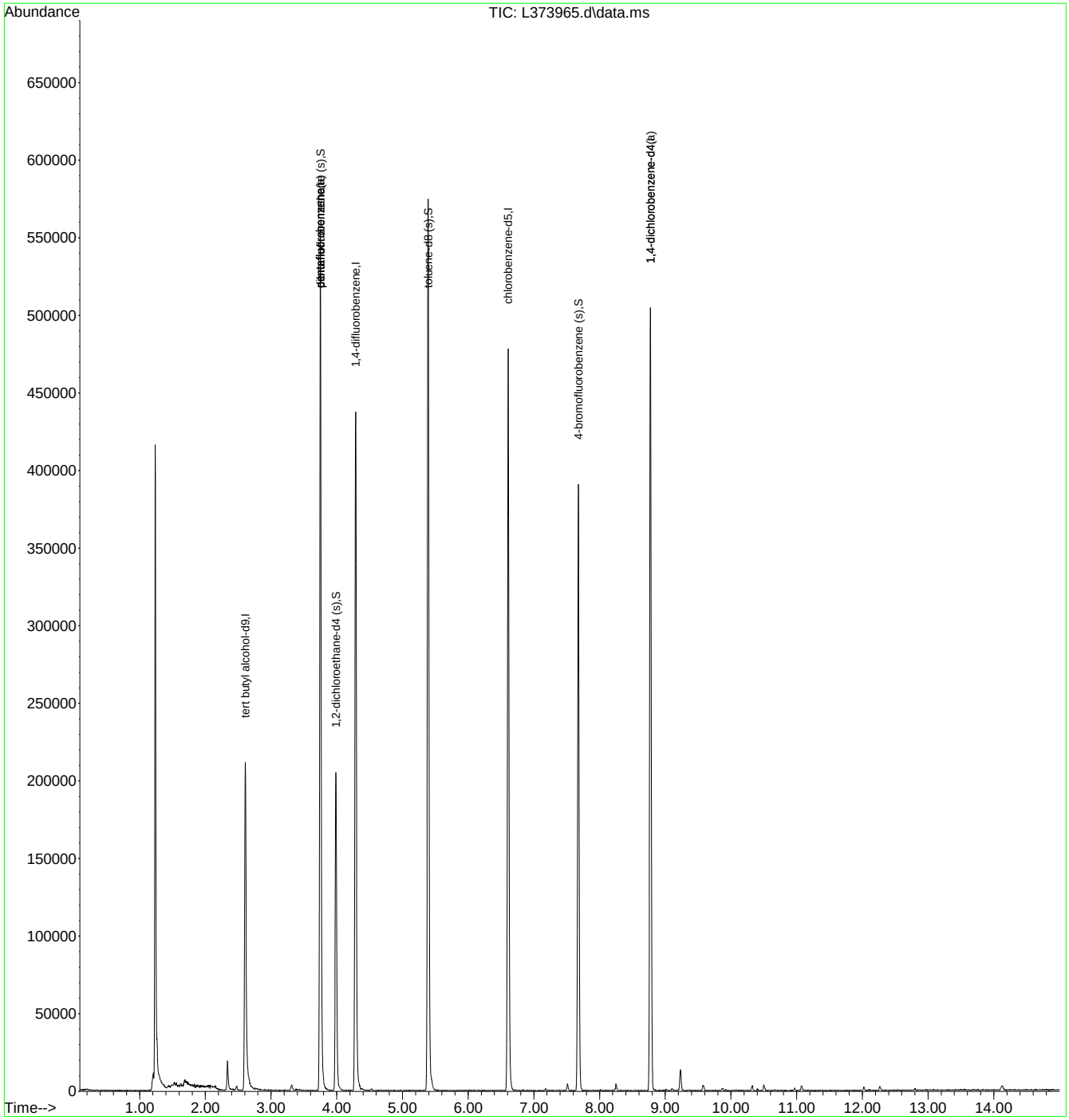
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	2.607	65	206659	500.00	ug/L	0.00
5) pentafluorobenzene	3.749	168	189466	50.00	ug/L	0.00
51) 1,4-difluorobenzene	4.288	114	301949	50.00	ug/L	0.00
72) chlorobenzene-d5	6.608	117	245203	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	8.774	152	121843	50.00	ug/L	0.00
124) pentafluorobenzene(a)	3.749	168	189466	50.00	ug/L	0.00
131) 1,4-dichlorobenzene-d4(a)	8.774	152	121843	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	3.752	113	97340	49.21	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.42%			
52) 1,2-dichloroethane-d4 (s)	3.987	65	112990	51.44	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 102.88%			
73) toluene-d8 (s)	5.392	98	349280	49.12	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.24%			
97) 4-bromofluorobenzene (s)	7.677	95	127024	48.59	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.18%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\natalil\2025\10. Oct\10232025\VL11478\
Data File : L373965.d
Acq On : 23 Oct 2025 5:02 am
Operator : BridgetK
Sample : je21034-5 Inst : GCMSL
Misc : MS98098,VL11478,5,,,,1
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Oct 23 11:49:11 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 13:39:16 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : R:\MSVOA\Done\Batch\2025\10. October\10-20-2025\braianc\V1T610\
Data File : 1T25498.D
Acq On : 20 Oct 2025 03:28 pm
Operator : edwardd
Sample : JE21034-6 Inst : GCMST
Misc : MS98248,V1T0610,5,,,,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 20 20:38:32 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 11:55:28 2025
Response via : Initial Calibration

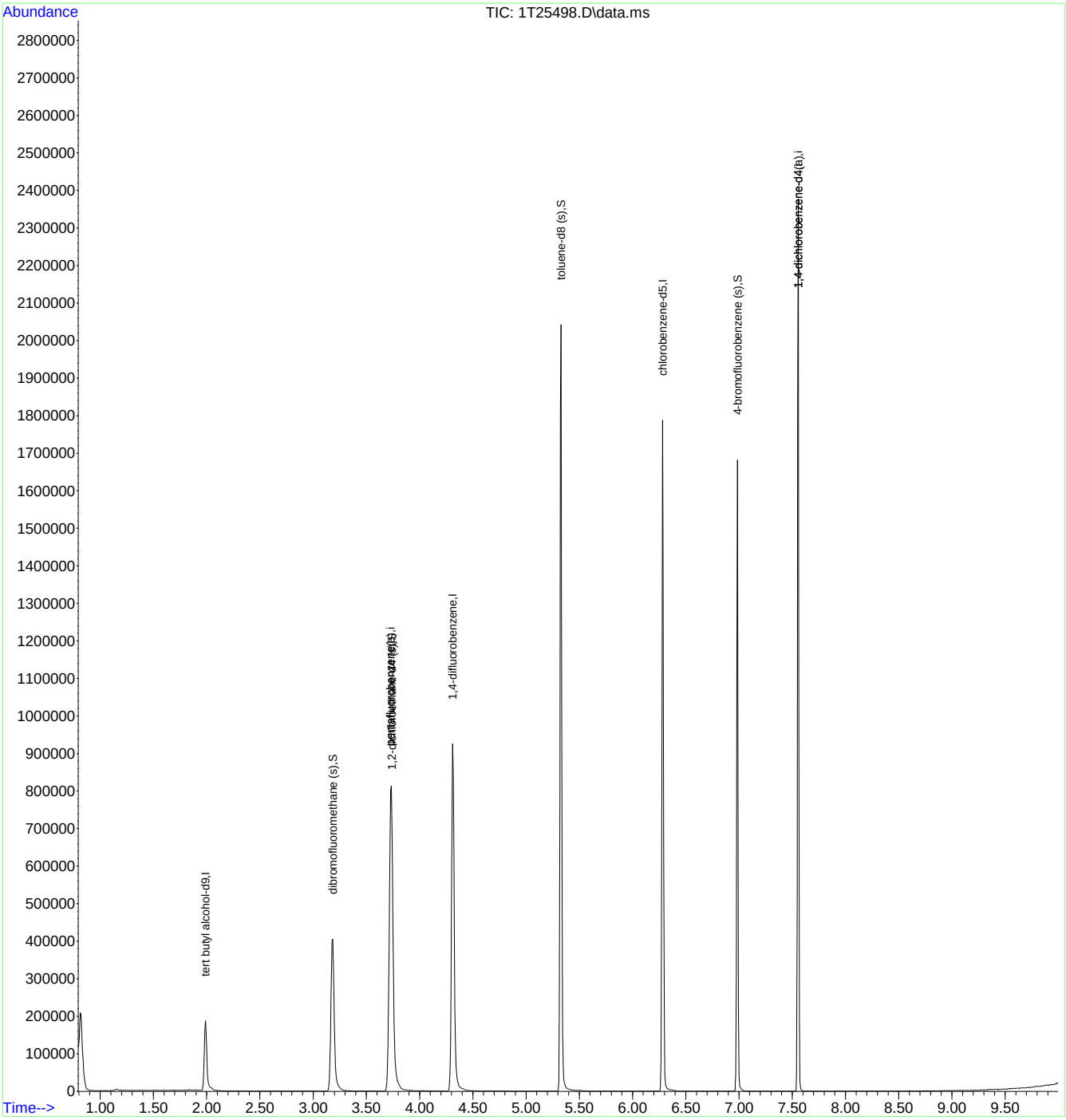
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	1.988	65	177590	500.00	ug/L	0.00
5) pentafluorobenzene	3.729	168	412557	50.00	ug/L	0.00
50) 1,4-difluorobenzene	4.311	114	692646	50.00	ug/L	0.00
72) chlorobenzene-d5	6.282	117	587038	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	7.556	152	297515	50.00	ug/L	0.00
124) pentafluorobenzene(a)	3.729	168	412557	50.00	ug/L	0.00
132) 1,4-dichlorobenzene-d4(a)	7.556	152	297515	50.00	ug/L	0.00
System Monitoring Compounds						
42) dibromofluoromethane (s)	3.183	113	264305	54.16	ug/L	0.00
Spiked Amount 50.000	Range 75 - 127		Recovery = 108.32%			
51) 1,2-dichloroethane-d4 (s)	3.739	65	269623	52.09	ug/L	0.00
Spiked Amount 50.000	Range 75 - 130		Recovery = 104.18%			
73) toluene-d8 (s)	5.328	98	824402	51.81	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 103.62%			
97) 4-bromofluorobenzene (s)	6.984	95	280923	51.05	ug/L	0.00
Spiked Amount 50.000	Range 79 - 127		Recovery = 102.10%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : R:\MSVOA\Done\Batch\2025\10. October\10-20-2025\braianc\V1T610\
Data File : 1T25498.D
Acq On : 20 Oct 2025 03:28 pm
Operator : edwardd
Sample : JE21034-6 Inst : GCMST
Misc : MS98248,V1T0610,5,,,,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 20 20:38:32 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 11:55:28 2025
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Nizel Eugenio 10/21/25 22:41

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\diegop\October\20251020\V1K694\
Data File : 1K25217.d
Acq On : 18 Oct 2025 1:35 am
Operator : EDWARDD
Sample : je21034-6 Inst : GCMSK
Misc : MS98248,V1K694,5,,,,4
ALS Vial : 59 Sample Multiplier: 1

Quant Time: Oct 20 16:48:23 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Oct 20 16:09:06 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	3.483	65	401237	500.00	ug/L	0.00
5) pentafluorobenzene	4.798	168	861021	50.00	ug/L	0.00
50) 1,4-difluorobenzene	5.164	114	1311056	50.00	ug/L	0.00
72) chlorobenzene-d5	7.103	117	1066491	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	8.373	152	513545	50.00	ug/L	0.00
124) pentafluorobenzene(a)	4.798	168	861021	50.00	ug/L	0.00
128) 1,4-dichlorobenzene-d4(a)	8.373	152	513545	50.00	ug/L	0.00
System Monitoring Compounds						
42) dibromofluoromethane (s)	4.518	113	346023	47.20	ug/L	0.00
Spiked Amount 50.000	Range 75 - 127		Recovery = 94.40%			
51) 1,2-dichloroethane-d4 (s)	4.872	65	398322	43.51	ug/L	0.00
Spiked Amount 50.000	Range 75 - 130		Recovery = 87.02%			
73) toluene-d8 (s)	6.113	98	1460784	48.96	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.92%			
97) 4-bromofluorobenzene (s)	7.785	95	490475	44.96	ug/L	0.00
Spiked Amount 50.000	Range 79 - 127		Recovery = 89.92%			
Target Compounds						Qvalue
18) acetone	3.348	58	758m	0.9038	ug/L	
119) naphthalene	9.502	128	5841	0.2839	ug/L	83

(#) = qualifier out of range (m) = manual integration (+) = signals summed

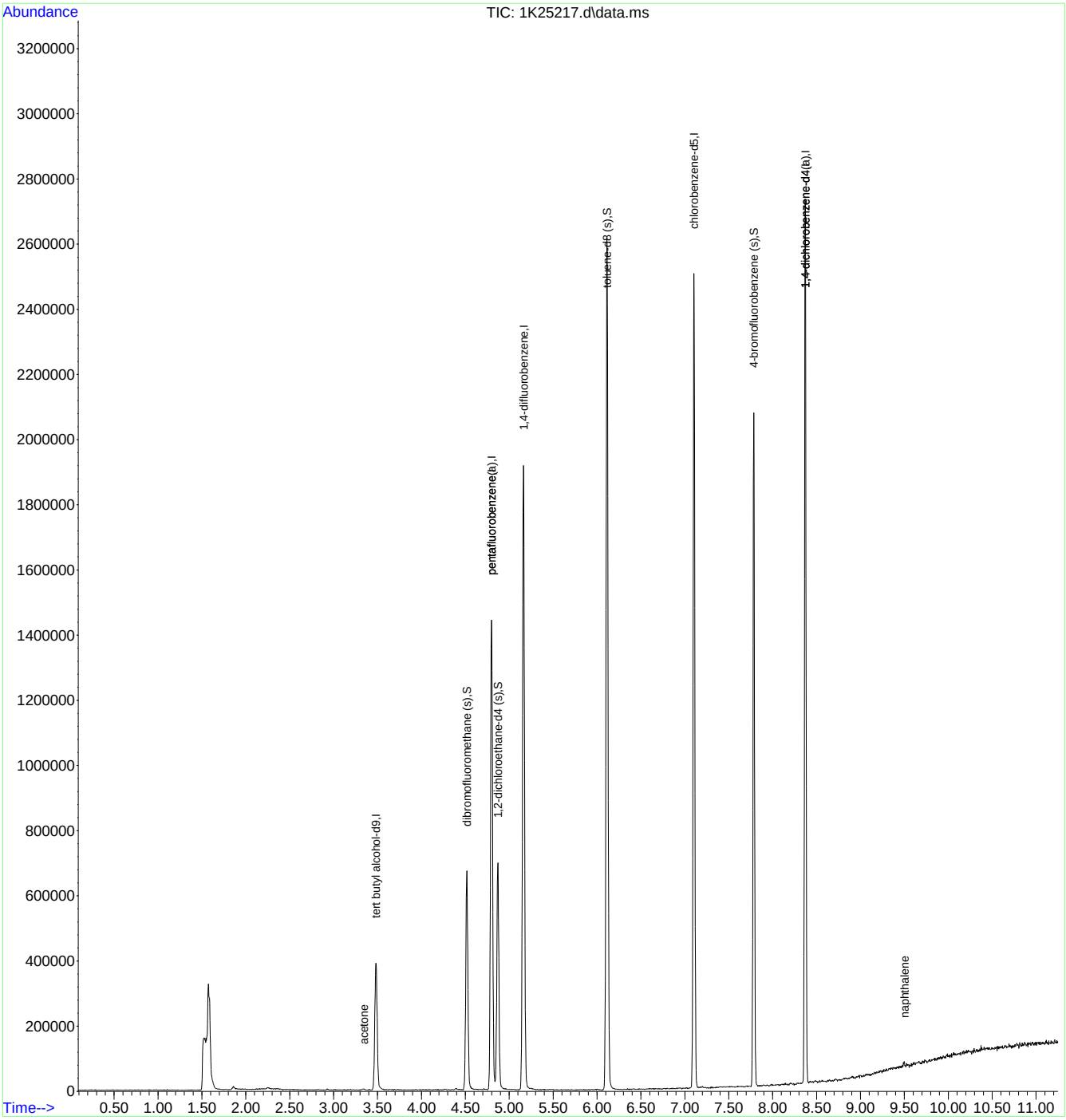
7.1.6

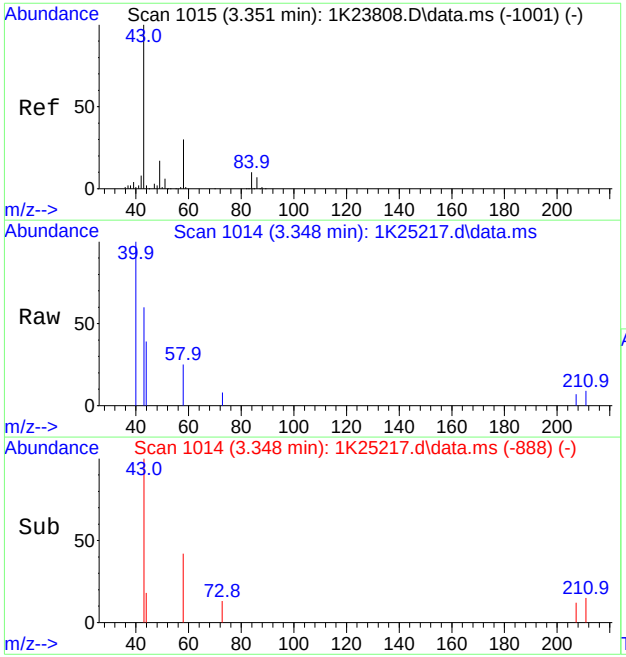
7

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\diegop\October\20251020\V1K694\
Data File : 1K25217.d
Acq On : 18 Oct 2025 1:35 am
Operator : EDWARDD
Sample : je21034-6 Inst : GCMSK
Misc : MS98248,V1K694,5,,,,4
ALS Vial : 59 Sample Multiplier: 1

Quant Time: Oct 20 16:48:23 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Oct 20 16:09:06 2025
Response via : Initial Calibration

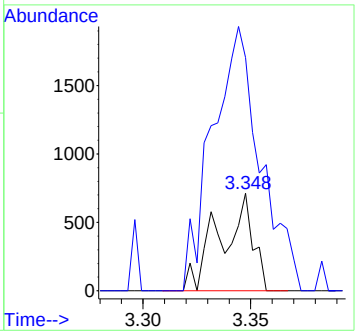


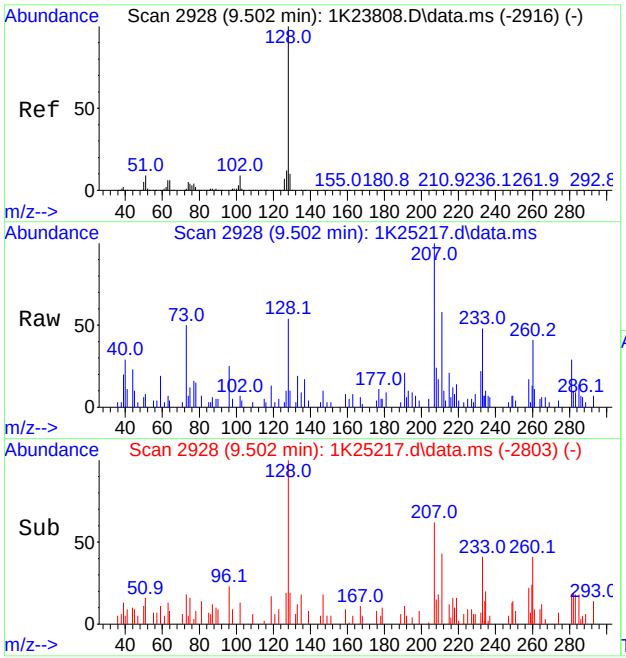


#18
acetone
Concen: 0.9038 ug/L m
RT: 3.348 min Scan# 1014
Delta R.T. 0.007 min
Lab File: 1K25217.d
Acq: 18 Oct 2025 1:35 am

Tgt Ion: 58 Resp: 758

Ion	Ratio	Lower	Upper
58	100		
43	239.0	300.4	360.4#

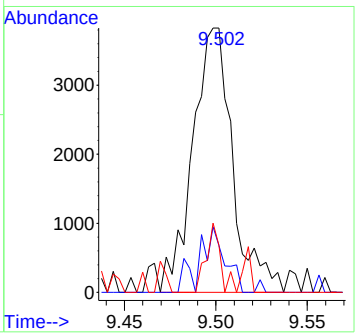




#119
naphthalene
Concen: 0.2839 ug/L
RT: 9.502 min Scan# 2928
Delta R.T. 0.003 min
Lab File: 1K25217.d
Acq: 18 Oct 2025 1:35 am

Tgt Ion:128 Resp: 5841

Ion	Ratio	Lower	Upper
128	100		
129	17.7	0.0	40.4
127	17.9	0.0	42.3



Manual Integration Approval Summary

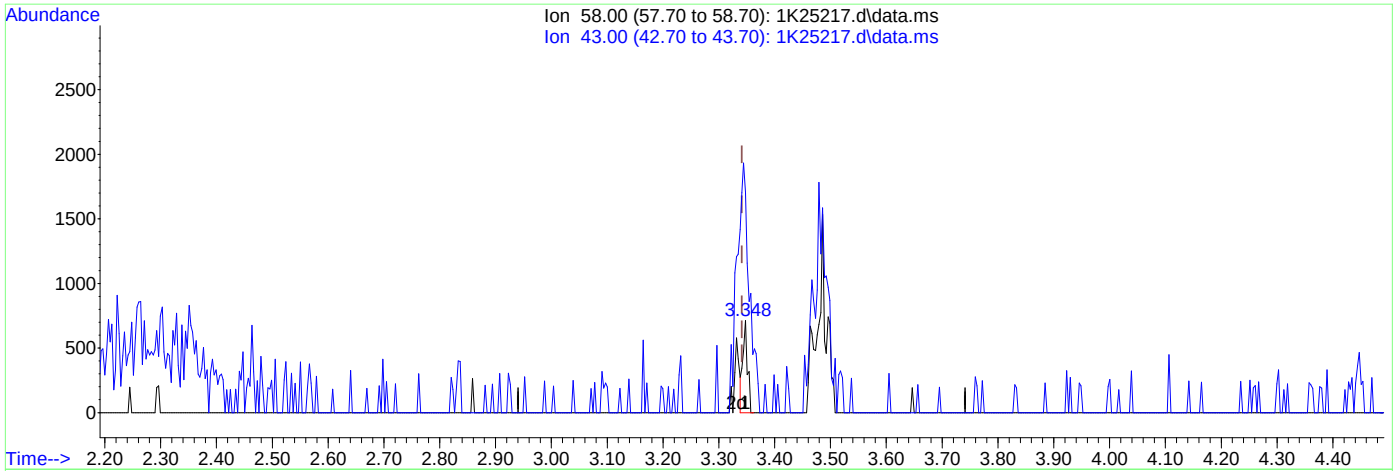
Sample Number:	JE21034-6	**Method:**	SW846 8260D
Lab FileID:	1K25217.D	**Analyst approved:**	10/20/25 15:16 Diego Pineda
Injection Time:	10/18/25 01:35	**Supervisor approved:**	10/21/25 22:41 Nizel Eugenio

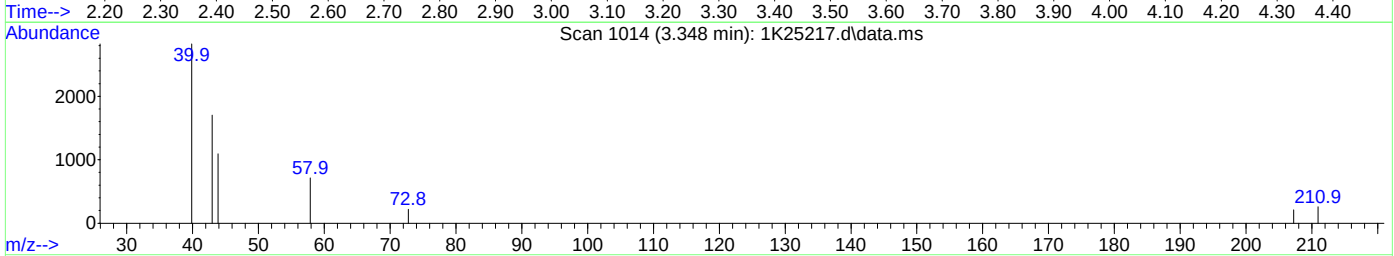
Parameter	CAS	Sig#	R.T. (min.)	Reason
Acetone	67-64-1		3.35	Poorly defined baseline

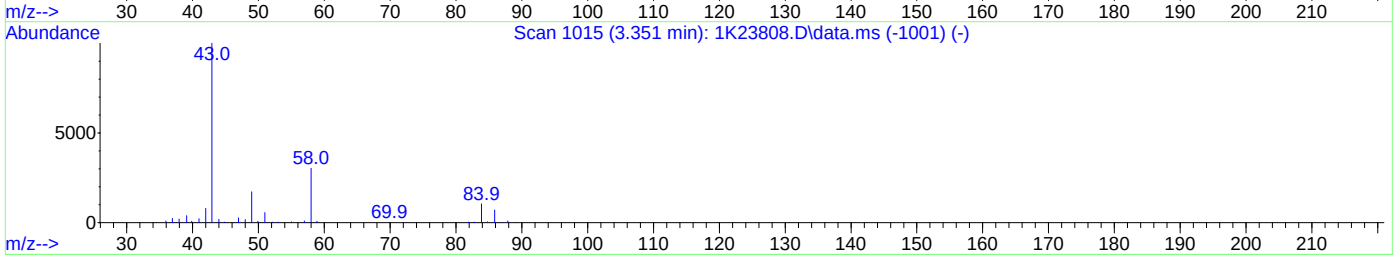
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\diegop\October\20251020\V1K694\
Data File : 1K25217.d
Acq On : 18 Oct 2025 1:35 am
Operator : EDWARDD
Sample : je21034-6 Inst : GCMSK
Misc : MS98248,V1K694,5,,,,4
ALS Vial : 59 Sample Multiplier: 1

Quant Time: Oct 20 16:21:44 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Oct 20 16:09:06 2025
Response via : Initial Calibration







TIC: 1K25217.d\data.ms

(18) acetone

3.348min (+0.007) 0.49ug/L

response 415

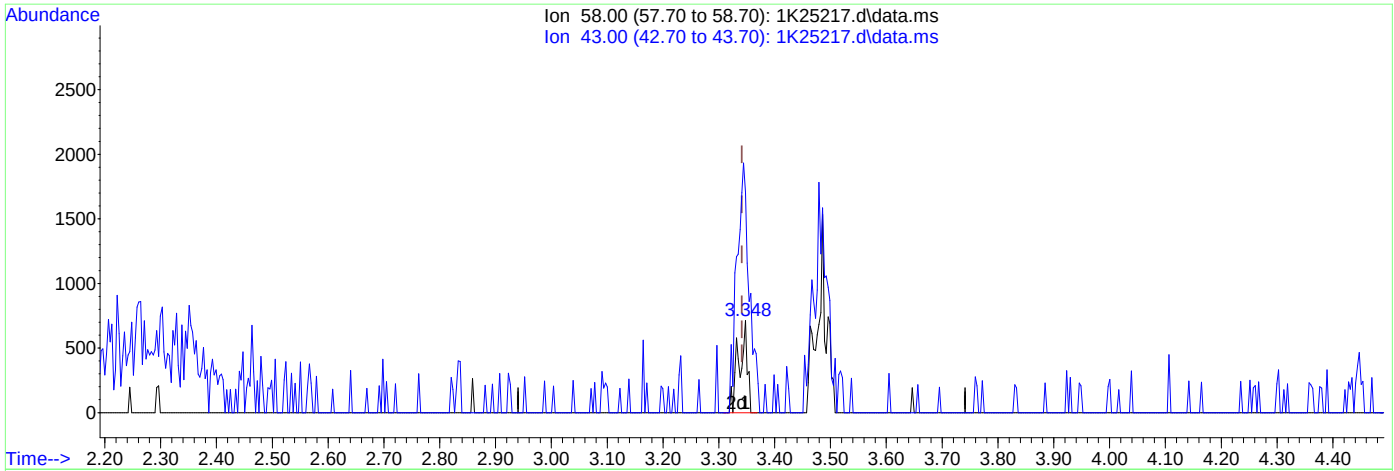
Ion	Exp%	Act%
58.00	100	100
43.00	330.40	175.88#
0.00	0.00	0.00
0.00	0.00	0.00

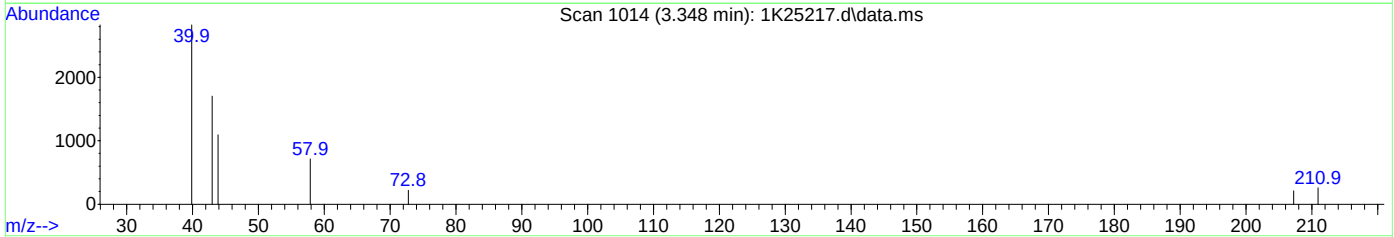
1K25217.D edits: acetone

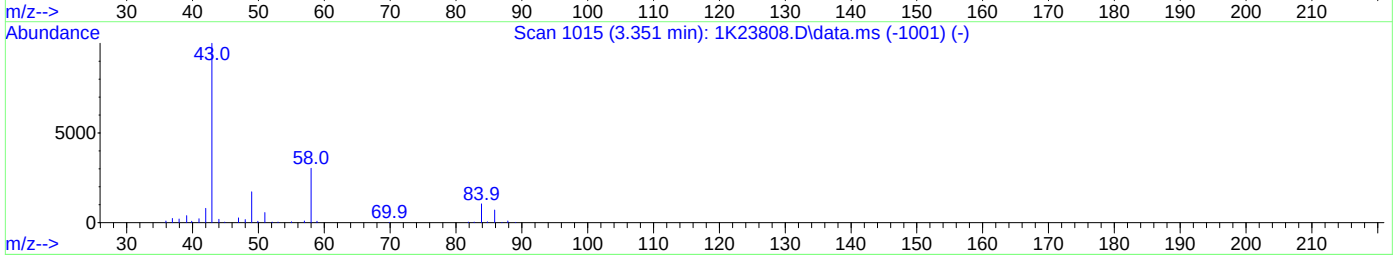
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\diegop\October\20251020\V1K694\
Data File : 1K25217.d
Acq On : 18 Oct 2025 1:35 am
Operator : EDWARDD
Sample : je21034-6 Inst : GCMSK
Misc : MS98248,V1K694,5,,,,4
ALS Vial : 59 Sample Multiplier: 1

Quant Time: Oct 20 16:21:44 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Oct 20 16:09:06 2025
Response via : Initial Calibration







TIC: 1K25217.d\data.ms

(18) acetone

3.348min (+0.007) 0.90ug/L m

response 758

Ion	Exp%	Act%
58.00	100	100
43.00	330.40	238.99#
0.00	0.00	0.00
0.00	0.00	0.00

1K25217.D edits: acetone

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\natalil\2025\10. Oct\10232025\VL11478\
Data File : L373966.d
Acq On : 23 Oct 2025 5:28 am
Operator : BridgetK
Sample : je21034-7 Inst : GCMSL
Misc : MS98098,VL11478,5,,,,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Oct 23 11:50:59 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 13:39:16 2025
Response via : Initial Calibration

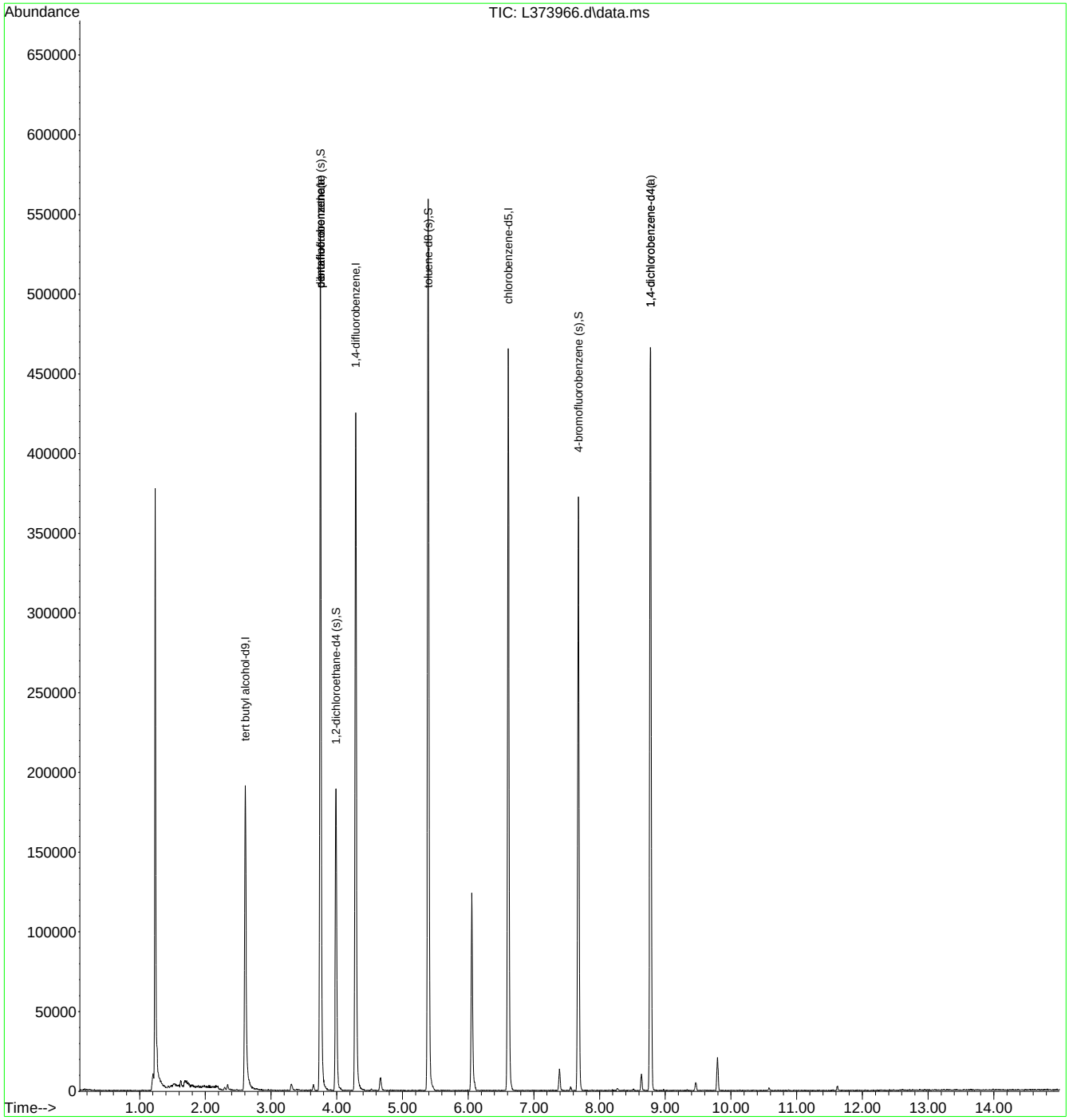
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	2.607	65	185679	500.00	ug/L	0.00
5) pentafluorobenzene	3.752	168	181789	50.00	ug/L	0.00
51) 1,4-difluorobenzene	4.288	114	287292	50.00	ug/L	0.00
72) chlorobenzene-d5	6.611	117	232646	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	8.777	152	114369	50.00	ug/L	0.00
124) pentafluorobenzene(a)	3.752	168	181789	50.00	ug/L	0.00
131) 1,4-dichlorobenzene-d4(a)	8.777	152	114369	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	3.752	113	92570	48.78	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.56%			
52) 1,2-dichloroethane-d4 (s)	3.990	65	104739	50.12	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 100.24%			
73) toluene-d8 (s)	5.392	98	332012	49.21	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.42%			
97) 4-bromofluorobenzene (s)	7.677	95	118006	48.09	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 96.18%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\natalil\2025\10. Oct\10232025\VL11478\
Data File : L373966.d
Acq On : 23 Oct 2025 5:28 am
Operator : BridgetK
Sample : je21034-7 Inst : GCMSL
Misc : MS98098,VL11478,5,,,,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Oct 23 11:50:59 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 13:39:16 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\natalil\2025\10. Oct\10232025\VL11478\
Data File : L373967.d
Acq On : 23 Oct 2025 5:53 am
Operator : BridgetK
Sample : je21034-8 Inst : GCMSL
Misc : MS98098,VL11478,5,,,,1
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Oct 23 11:51:16 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 13:39:16 2025
Response via : Initial Calibration

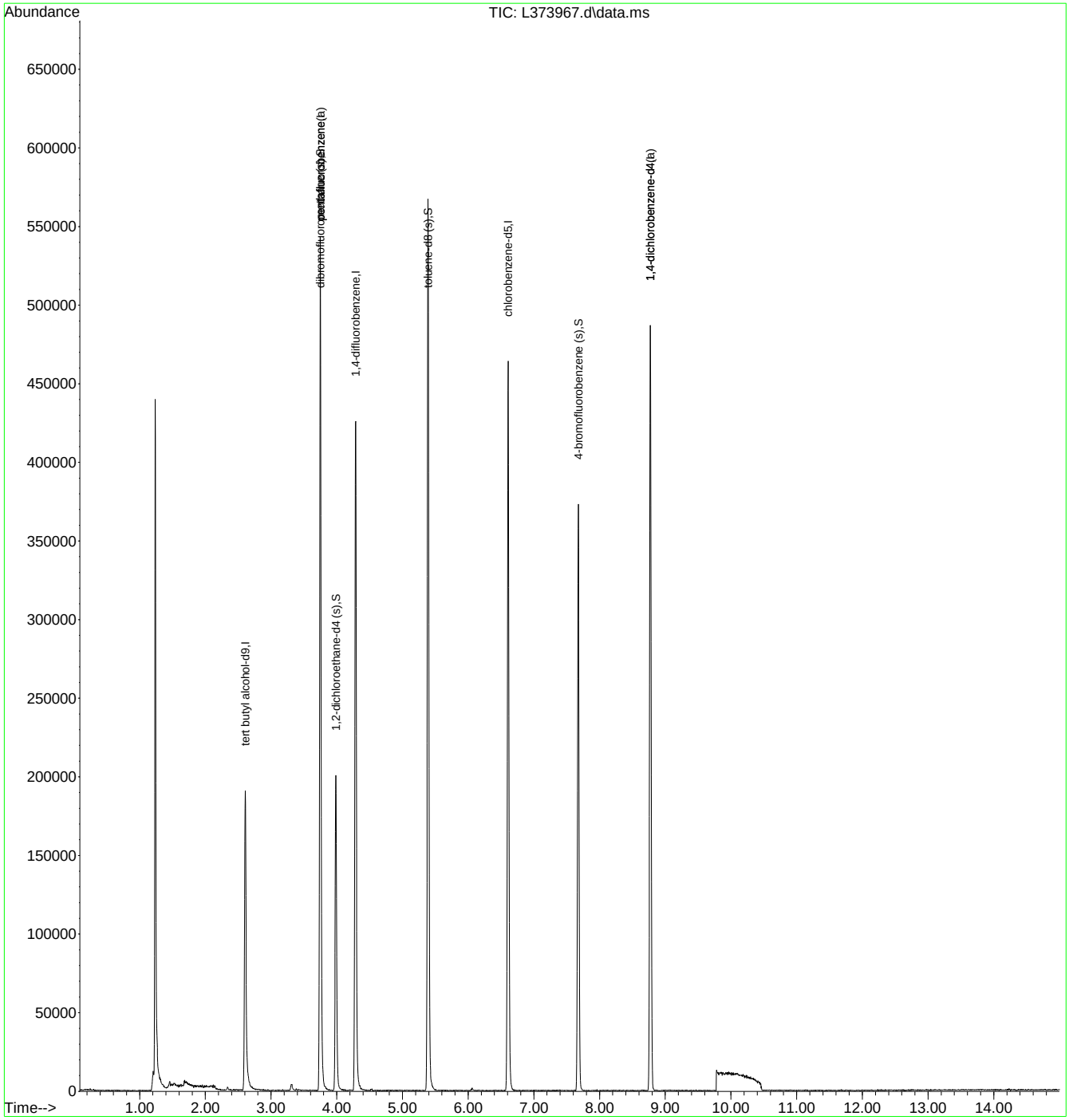
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	2.607	65	186384	500.00	ug/L	0.00
5) pentafluorobenzene	3.752	168	184445	50.00	ug/L	0.00
51) 1,4-difluorobenzene	4.288	114	291629	50.00	ug/L	0.00
72) chlorobenzene-d5	6.608	117	238643	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	8.771	152	118969	50.00	ug/L	0.00
124) pentafluorobenzene(a)	3.752	168	184445	50.00	ug/L	0.00
131) 1,4-dichlorobenzene-d4(a)	8.771	152	118969	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	3.749	113	94818	49.24	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.48%			
52) 1,2-dichloroethane-d4 (s)	3.987	65	109860	51.78	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 103.56%			
73) toluene-d8 (s)	5.389	98	341438	49.33	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.66%			
97) 4-bromofluorobenzene (s)	7.677	95	125163	49.03	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.06%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\natalil\2025\10. Oct\10232025\VL11478\
Data File : L373967.d
Acq On : 23 Oct 2025 5:53 am
Operator : BridgetK
Sample : je21034-8 Inst : GCMSL
Misc : MS98098,VL11478,5,,,,1
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Oct 23 11:51:16 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 13:39:16 2025
Response via : Initial Calibration



Quantitation Report (QT/LSC Reviewed)

Data Path : R:\MSVOA\Done\Batch\2025\10. October\10-20-2025\diegop\V1K694\
Data File : 1K25215.d
Acq On : 18 Oct 2025 1:01 am
Operator : EDWARDD
Sample : mb Inst : GCMSK
Misc : MS60914,V1K694,5,,,,1
ALS Vial : 57 Sample Multiplier: 1

Quant Time: Oct 22 08:35:51 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Oct 20 16:09:06 2025
Response via : Initial Calibration

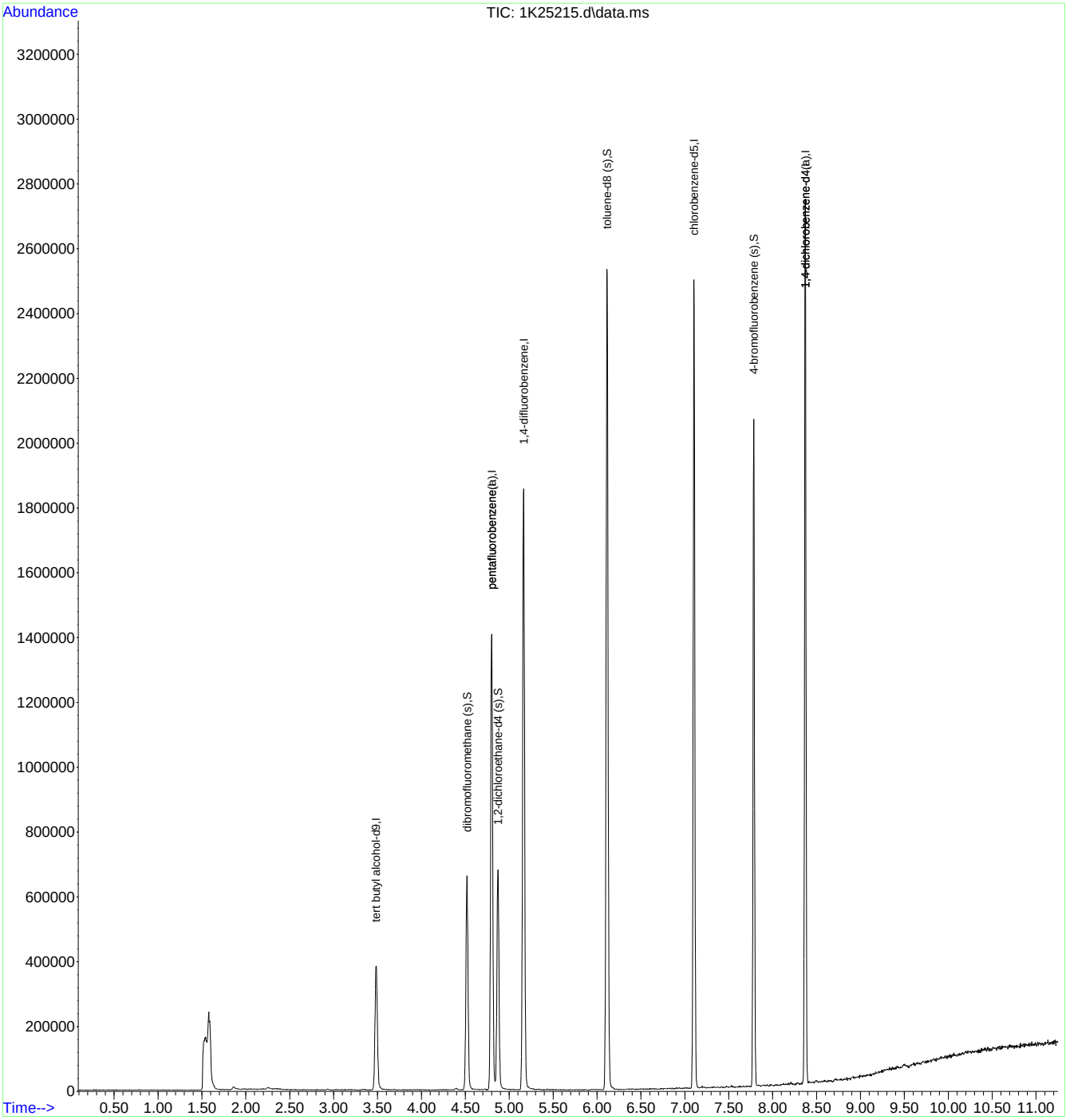
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	3.483	65	387339	500.00	ug/L	0.00
5) pentafluorobenzene	4.801	168	838624	50.00	ug/L	0.00
50) 1,4-difluorobenzene	5.164	114	1266167	50.00	ug/L	0.00
72) chlorobenzene-d5	7.103	117	1038096	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	8.373	152	507644	50.00	ug/L	0.00
124) pentafluorobenzene(a)	4.801	168	838624	50.00	ug/L	0.00
128) 1,4-dichlorobenzene-d4(a)	8.373	152	507644	50.00	ug/L	0.00
System Monitoring Compounds						
42) dibromofluoromethane (s)	4.521	113	333990	46.77	ug/L	0.00
Spiked Amount 50.000	Range 75 - 127		Recovery = 93.54%			
51) 1,2-dichloroethane-d4 (s)	4.872	65	392466	44.39	ug/L	0.00
Spiked Amount 50.000	Range 75 - 130		Recovery = 88.78%			
73) toluene-d8 (s)	6.116	98	1431283	49.28	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.56%			
97) 4-bromofluorobenzene (s)	7.785	95	482339	44.73	ug/L	0.00
Spiked Amount 50.000	Range 79 - 127		Recovery = 89.46%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : R:\MSVOA\Done\Batch\2025\10. October\10-20-2025\diegop\V1K694\
Data File : 1K25215.d
Acq On : 18 Oct 2025 1:01 am
Operator : EDWARDD
Sample : mb Inst : GCMSK
Misc : MS60914,V1K694,5,,,,1
ALS Vial : 57 Sample Multiplier: 1

Quant Time: Oct 22 08:35:51 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Oct 20 16:09:06 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\braianc\2025\10. October\20102025\V1T610\
Data File : 1T25486.D
Acq On : 20 Oct 2025 12:31 pm
Operator : edwardd
Sample : mb Inst : GCMST
Misc : MS46075,V1T0610,5,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 20 19:50:23 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 11:55:28 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	1.988	65	191424	500.00	ug/L	0.00
5) pentafluorobenzene	3.729	168	446025	50.00	ug/L	0.00
50) 1,4-difluorobenzene	4.311	114	734647	50.00	ug/L	0.00
72) chlorobenzene-d5	6.282	117	625135	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	7.556	152	314237	50.00	ug/L	0.00
124) pentafluorobenzene(a)	3.729	168	446025	50.00	ug/L	0.00
132) 1,4-dichlorobenzene-d4(a)	7.556	152	314237	50.00	ug/L	0.00
System Monitoring Compounds						
42) dibromofluoromethane (s)	3.178	113	277884	52.67	ug/L	0.00
Spiked Amount 50.000	Range 75 - 127		Recovery = 105.34%			
51) 1,2-dichloroethane-d4 (s)	3.739	65	281337	51.24	ug/L	0.00
Spiked Amount 50.000	Range 75 - 130		Recovery = 102.48%			
73) toluene-d8 (s)	5.328	98	870163	51.35	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 102.70%			
97) 4-bromofluorobenzene (s)	6.985	95	300571	51.72	ug/L	0.00
Spiked Amount 50.000	Range 79 - 127		Recovery = 103.44%			

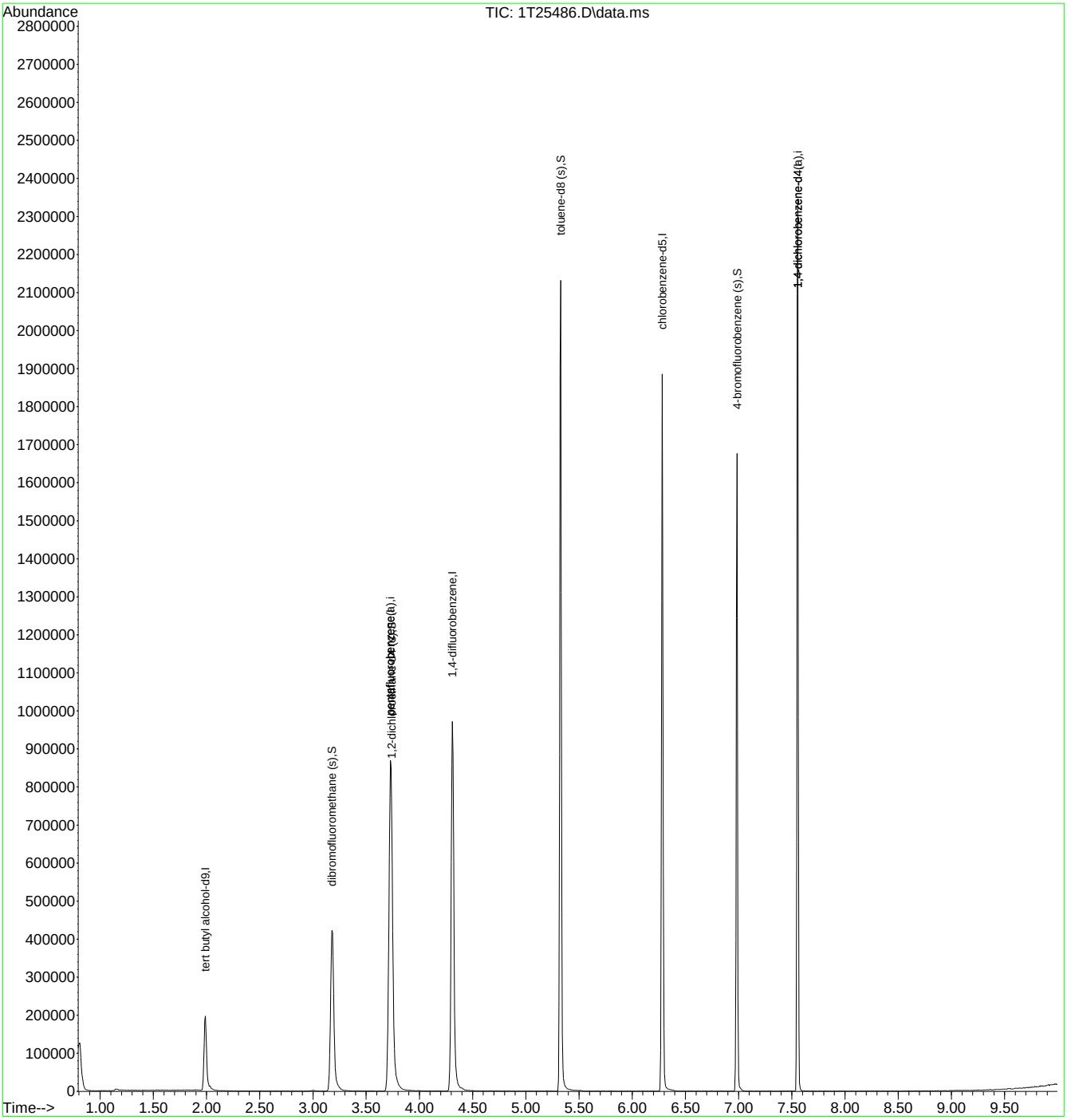
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\braianc\2025\10. October\20102025\V1T610\
Data File : 1T25486.D
Acq On : 20 Oct 2025 12:31 pm
Operator : edwardd
Sample : mb Inst : GCMST
Misc : MS46075,V1T0610,5,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 20 19:50:23 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 11:55:28 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\michaellab\10-23-2025\VL11478\
Data File : L373956.d
Acq On : 23 Oct 2025 1:15 am
Operator : BridgetK
Sample : mb Inst : GCMSL
Misc : MS46075,VL11478,5,,,,1
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Oct 23 08:21:47 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 13:39:16 2025
Response via : Initial Calibration

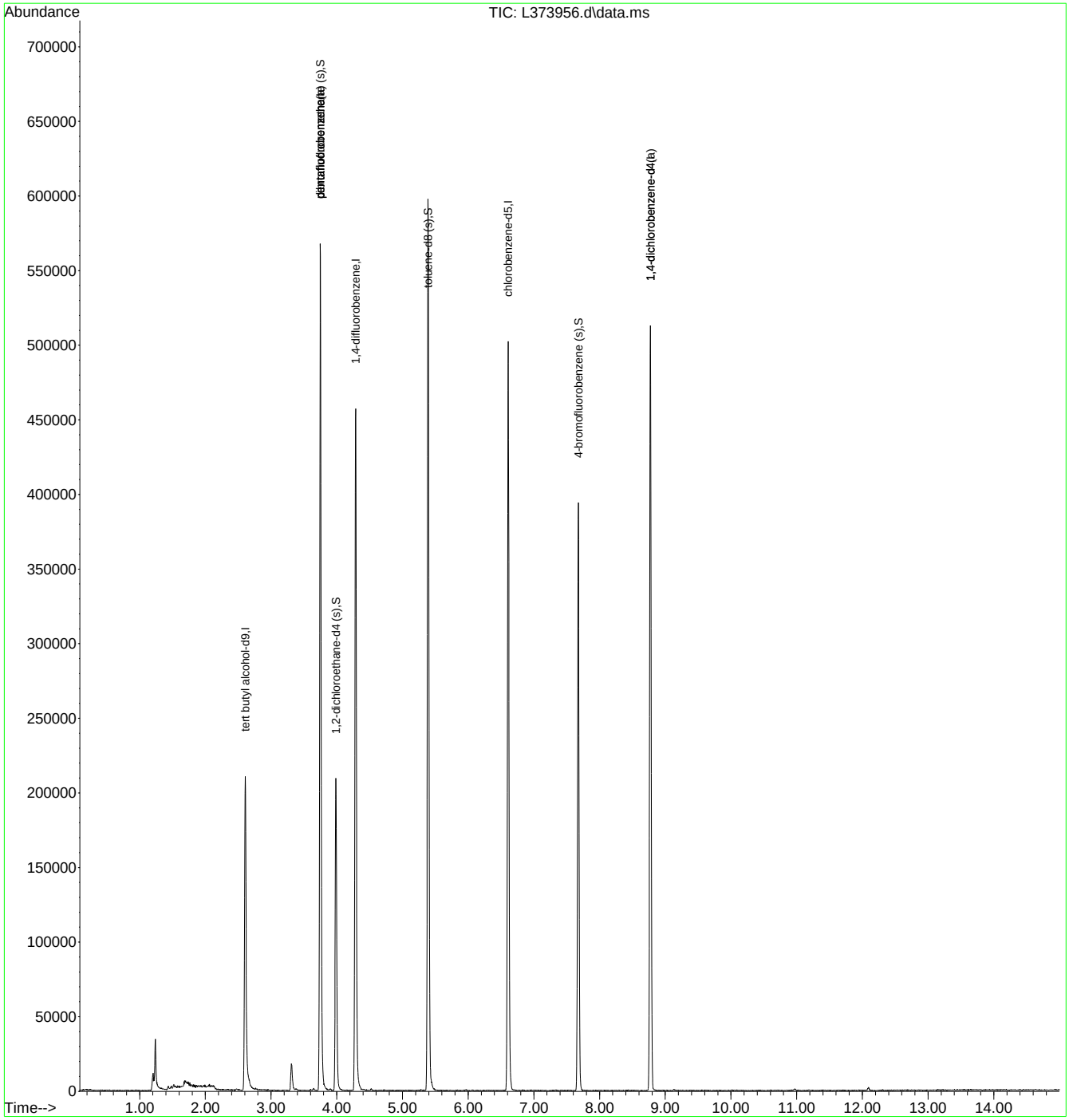
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	2.607	65	206230	500.00	ug/L	0.00
5) pentafluorobenzene	3.749	168	194909	50.00	ug/L	0.00
51) 1,4-difluorobenzene	4.288	114	310011	50.00	ug/L	0.00
72) chlorobenzene-d5	6.608	117	252350	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	8.774	152	122575	50.00	ug/L	0.00
124) pentafluorobenzene(a)	3.749	168	194909	50.00	ug/L	0.00
131) 1,4-dichlorobenzene-d4(a)	8.774	152	122575	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	3.749	113	99563	48.93	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.86%			
52) 1,2-dichloroethane-d4 (s)	3.986	65	113745	50.44	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 100.88%			
73) toluene-d8 (s)	5.389	98	359090	49.06	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.12%			
97) 4-bromofluorobenzene (s)	7.677	95	129316	49.17	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.34%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\michaellab\10-23-2025\VL11478\
Data File : L373956.d
Acq On : 23 Oct 2025 1:15 am
Operator : BridgetK
Sample : mb Inst : GCMSL
Misc : MS46075,VL11478,5,,,,1
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Oct 23 08:21:47 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 13:39:16 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\diegop\October\20251020\V1K694\
Data File : 1K25211.d
Acq On : 17 Oct 2025 11:53 pm
Operator : EDWARDD
Sample : bs Inst : GCMSK
Misc : MS60914,V1K694,5,,,,1
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Oct 20 16:28:36 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Oct 20 16:09:06 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	3.486	65	468342	500.00	ug/L	0.00
5) pentafluorobenzene	4.798	168	855510	50.00	ug/L	0.00
50) 1,4-difluorobenzene	5.164	114	1350996	50.00	ug/L	0.00
72) chlorobenzene-d5	7.106	117	1112265	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	8.373	152	548911	50.00	ug/L	0.00
124) pentafluorobenzene(a)	4.798	168	855510	50.00	ug/L	0.00
128) 1,4-dichlorobenzene-d4(a)	8.373	152	548911	50.00	ug/L	0.00
System Monitoring Compounds						
42) dibromofluoromethane (s)	4.518	113	349188	47.94	ug/L	0.00
Spiked Amount 50.000	Range 75 - 127		Recovery = 95.88%			
51) 1,2-dichloroethane-d4 (s)	4.872	65	441134	46.76	ug/L	0.00
Spiked Amount 50.000	Range 75 - 130		Recovery = 93.52%			
73) toluene-d8 (s)	6.116	98	1467031	47.14	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 94.28%			
97) 4-bromofluorobenzene (s)	7.785	95	511360	43.85	ug/L	0.00
Spiked Amount 50.000	Range 79 - 127		Recovery = 87.70%			
Target Compounds						Qvalue
2) ethanol	2.814	45	536762	8379.4466	ug/L	97
3) tertiary butyl alcohol	3.534	59	257849	221.0088	ug/L	86
4) 1,4-dioxane	5.669	88	90703	1964.1545	ug/L	91
6) chlorodifluoromethane	1.749	51	432725	35.8049	ug/L	100
7) dichlorodifluoromethane	1.711	85	377486	43.0110	ug/L	97
8) chloromethane	1.891	50	488404	48.5963	ug/L	100
9) vinyl chloride	1.962	62	437208	52.2630	ug/L	98
10) 1,3-butadiene	1.975	39	362020	42.5137	ug/L	98
11) bromomethane	2.241	96	112302	44.9692	ug/L #	96
12) chloroethane	2.357	64	185840	39.2353	ug/L	95
13) trichlorofluoromethane	2.473	101	475198	40.6020	ug/L	100
14) ethyl ether	2.714	74	173730	44.7982	ug/L	89
16) freon 113	2.917	151	222779	45.2630	ug/L	92
17) 1,1-dichloroethene	2.888	61	467823	42.7516	ug/L	99
18) acetone	3.344	58	159551	191.4581	ug/L	93
19) acetonitrile	3.682	41	679745	619.1243	ug/L	99
20) iodomethane	3.016	142	205086	32.1311	ug/L	97
21) carbon disulfide	2.933	76	772119	42.8596	ug/L	99
22) methylene chloride	3.328	84	276058	45.1910	ug/L	96
23) methyl acetate	3.425	74	63031	44.3923	ug/L	97
24) methyl tert butyl ether	3.499	73	887961	43.6350	ug/L	97
25) trans-1,2-dichloroethene	3.441	96	289793	44.9130	ug/L	97
26) hexane	3.492	57	691143	42.5968	ug/L	97
27) di-isopropyl ether	3.753	45	1202050	44.0218	ug/L	100
28) ethyl tert-butyl ether	4.000	59	1073611	44.2777	ug/L	99
29) 2-butanone	4.585	72	193831	181.1456	ug/L	90
30) 1,1-dichloroethane	3.872	63	586283	45.5818	ug/L	98
31) chloroprene	3.852	53	621312	43.8839	ug/L	97
33) vinyl acetate	4.010	86	79330	50.3885	ug/L	96
34) ethyl acetate	4.447	70	39227	41.7552	ug/L	99
35) 2,2-dichloropropane	4.302	77	461332	43.4224	ug/L	96
36) cis-1,2-dichloroethene	4.225	96	298062	45.3661	ug/L	98
37) propionitrile	4.788	54	743446	523.2588	ug/L	95
38) methyl acrylate	4.466	85	62122	48.1660	ug/L #	82
39) bromochloromethane	4.364	128	145230	48.8014	ug/L	93
40) tetrahydrofuran	4.508	71	51288	45.3470	ug/L #	83
41) chloroform	4.399	83	527630	42.8278	ug/L	96
43) methacrylonitrile	4.801	67	164940	43.3866	ug/L	91

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\diegop\October\20251020\V1K694\
Data File : 1K25211.d
Acq On : 17 Oct 2025 11:53 pm
Operator : EDWARDD
Sample : bs Inst : GCMSK
Misc : MS60914,V1K694,5,,,,1
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Oct 20 16:28:36 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Oct 20 16:09:06 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 1,1,1-trichloroethane	4.550	97	456252	43.2743	ug/L		96
45) cyclohexane	4.376	84	482833	52.0714	ug/L		98
46) 1,1-dichloropropene	4.627	75	420441	45.3921	ug/L		97
47) carbon tetrachloride	4.508	117	434281	44.3551	ug/L		97
49) tert-amyl alcohol	4.933	55	91351	282.4246	ug/L		94
52) iso-octane	4.682	57	990227	39.0948	ug/L		94
53) benzene	4.788	78	1168308	45.0829	ug/L		98
54) tert-amyl methyl ether	4.833	73	920974	43.3385	ug/L		97
55) heptane	4.736	57	164503	42.6669	ug/L		95
56) isopropyl acetate	5.026	87	86765	45.0905	ug/L	#	87
57) 1,2-dichloroethane	4.913	62	432230	41.3375	ug/L		98
58) n-butyl alcohol	5.306	56	742693	4071.7468	ug/L		98
59) ethyl acrylate	5.466	55	564192	43.6656	ug/L		99
60) trichloroethene	5.154	130	330053	50.7496	ug/L		99
61) 2-nitropropane	6.302	41	130037	41.6915	ug/L		92
62) 2-chloroethyl vinyl ether	5.917	63	878353	190.0509	ug/L		99
63) methyl methacrylate	5.608	100	101077	44.6403	ug/L		91
64) 1,2-dichloropropane	5.502	63	334240	46.4037	ug/L		93
65) methylcyclohexane	5.161	98	210046	44.6173	ug/L		94
66) dibromomethane	5.441	93	172448	44.2981	ug/L		96
67) bromodichloromethane	5.534	83	387407	44.0570	ug/L		94
68) epichlorohydrin	6.148	57	259534	244.9727	ug/L		97
69) cis-1,3-dichloropropene	5.981	75	493206	45.8710	ug/L		97
70) 4-methyl-2-pentanone	6.376	58	717201	173.6624	ug/L		99
71) 3-methyl-1-butanol	6.209	70	237489	1270.6013	ug/L		95
74) toluene	6.151	92	745228	44.7239	ug/L		94
75) ethyl methacrylate	6.486	69	434296	44.4249	ug/L		95
76) trans-1,3-dichloropropene	6.415	75	472721	43.7877	ug/L		98
77) 1,1,2-trichloroethane	6.524	83	218514	46.2893	ug/L		96
78) tetrachloroethene	6.415	166	307620	47.5200	ug/L		96
79) 2-hexanone	6.900	58	751399	171.3221	ug/L		99
80) 1,3-dichloropropane	6.704	76	476449	45.0765	ug/L		98
81) butyl acetate	6.826	56	305963	43.0393	ug/L		98
82) dibromochloromethane	6.646	129	303997	45.7528	ug/L		99
83) 1,2-dibromoethane	6.807	107	266779	44.6806	ug/L		98
84) n-butyl ether	7.010	57	1624524	46.3510	ug/L		98
85) chlorobenzene	7.116	112	828139	48.0441	ug/L		97
86) 1,1,1,2-tetrachloroethane	7.145	131	290842	45.8417	ug/L		96
87) ethylbenzene	7.116	91	1442014	45.5836	ug/L		99
88) m,p-xylene	7.196	106	1131293	95.2482	ug/L		92
89) o-xylene	7.450	106	537016	47.2767	ug/L		95
90) styrene	7.476	104	914493	47.6544	ug/L		95
91) bromoform	7.508	173	219313	46.3077	ug/L		94
92) butyl acrylate	7.518	55	836401	45.2238	ug/L		99
93) isopropylbenzene	7.617	105	1337374	47.4521	ug/L		99
94) n-amyl acetate	7.656	70	266017	43.7989	ug/L		96
95) cis-1,4-dichloro-2-butene	7.810	88	157104	36.8202	ug/L		99
98) bromobenzene	7.852	156	333072	45.7409	ug/L		89
99) 1,1,2,2-tetrachloroethane	7.881	83	385197	42.4693	ug/L		96
100) trans-1,4-dichloro-2-b...	7.974	53	132549	32.5805	ug/L		97
101) 1,2,3-trichloropropane	7.961	110	127144	41.9170	ug/L		99
102) n-propylbenzene	7.842	91	1550156	45.9011	ug/L		98
103) 2-chlorotoluene	7.942	126	331929	48.3270	ug/L	#	84
104) 4-chlorotoluene	8.029	91	952481	42.9841	ug/L		94
105) 1,3,5-trimethylbenzene	7.939	105	1053414	45.6168	ug/L		99
106) tert-butylbenzene	8.116	119	919274	46.3687	ug/L		94
107) 1,2,4-trimethylbenzene	8.148	105	1062545	44.3676	ug/L		99
108) sec-butylbenzene	8.206	105	1223757	46.0662	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\diegop\October\20251020\V1K694\
Data File : 1K25211.d
Acq On : 17 Oct 2025 11:53 pm
Operator : EDWARDD
Sample : bs Inst : GCMSK
Misc : MS60914,V1K694,5,,,,1
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Oct 20 16:28:36 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Oct 20 16:09:06 2025
Response via : Initial Calibration

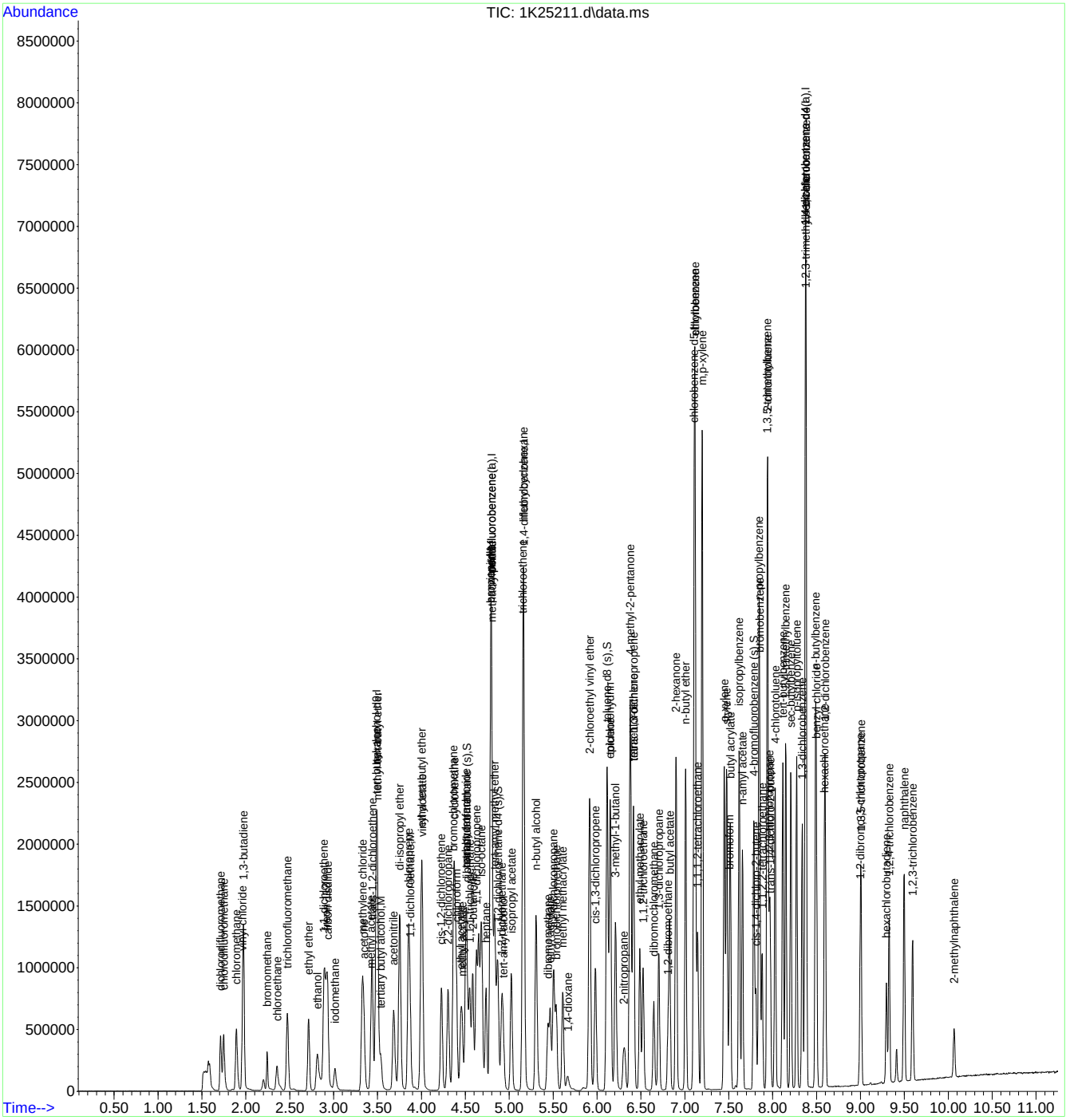
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
109) 1,3-dichlorobenzene	8.338	146	620113	46.5422	ug/L	99
110) p-isopropyltoluene	8.273	119	1087650	47.1299	ug/L	96
111) 1,4-dichlorobenzene	8.379	146	638550	46.4074	ug/L	97
112) 1,2-dichlorobenzene	8.598	146	599086	47.0625	ug/L	96
113) 1,2,3-trimethylbenzene	8.376	105	1084508	44.4864	ug/L	98
114) n-butylbenzene	8.489	92	526544	42.8823	ug/L	92
115) 1,2-dibromo-3-chloropr...	8.997	157	111070	43.2900	ug/L	94
116) 1,3,5-trichlorobenzene	9.006	180	350562	46.5675	ug/L	97
117) 1,2,4-trichlorobenzene	9.328	180	301939	44.9835	ug/L	96
118) hexachlorobutadiene	9.296	225	110782	46.9583	ug/L	95
119) naphthalene	9.498	128	983606	44.7297	ug/L	98
120) 1,2,3-trichlorobenzene	9.595	180	268194	45.2301	ug/L	96
121) hexachloroethane	8.588	119	177807	42.7220	ug/L	98
122) benzyl chloride	8.498	126	183217	45.6064	ug/L	93
123) 2-methylnaphthalene	10.067	142	156579	19.4748	ug/L	94

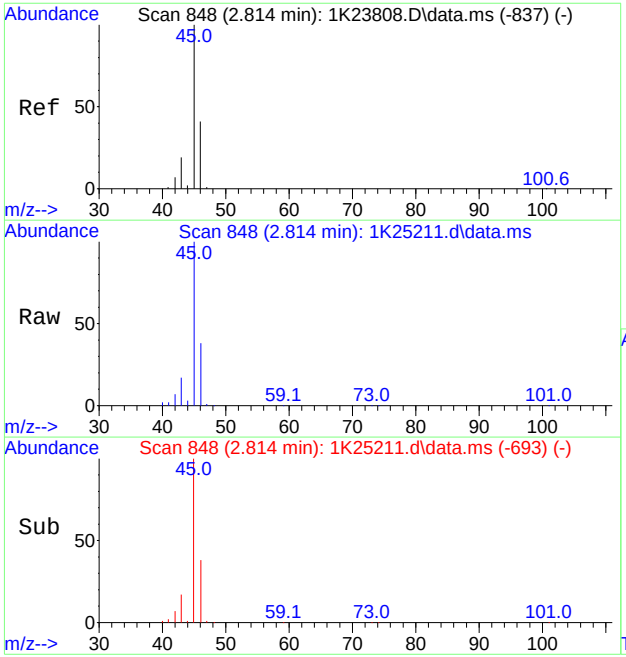
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\diegop\October\20251020\V1K694\
Data File : 1K25211.d
Acq On : 17 Oct 2025 11:53 pm
Operator : EDWARDD
Sample : bs Inst : GCMSK
Misc : MS60914,V1K694,5,,,,1
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Oct 20 16:28:36 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Oct 20 16:09:06 2025
Response via : Initial Calibration

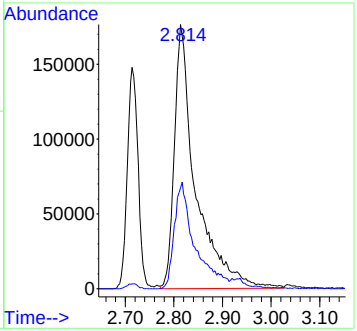


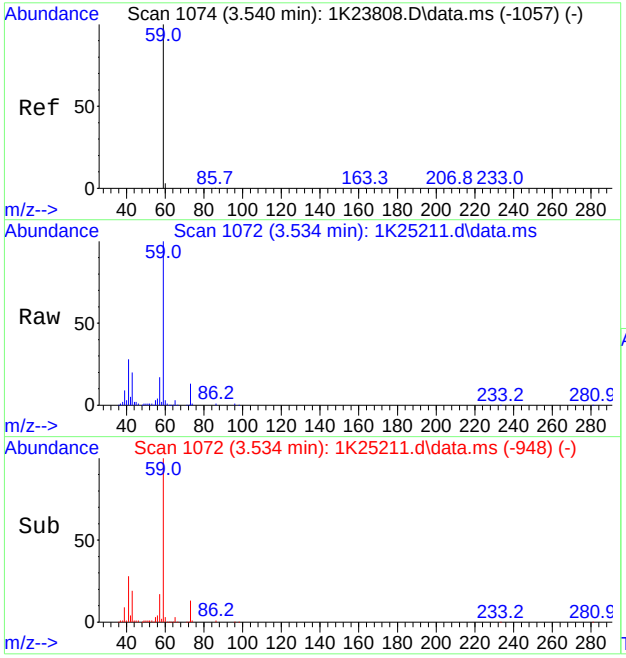


#2
ethanol
Concen: 8379.4466 ug/L
RT: 2.814 min Scan# 848
Delta R.T. -0.000 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion: 45 Resp: 536762

Ion	Ratio	Lower	Upper
45	100		
46	38.2	20.3	60.3

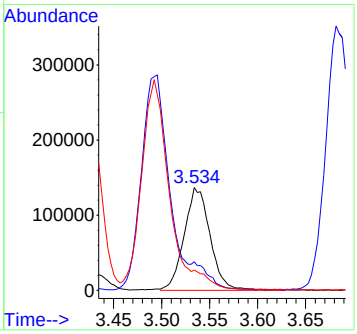


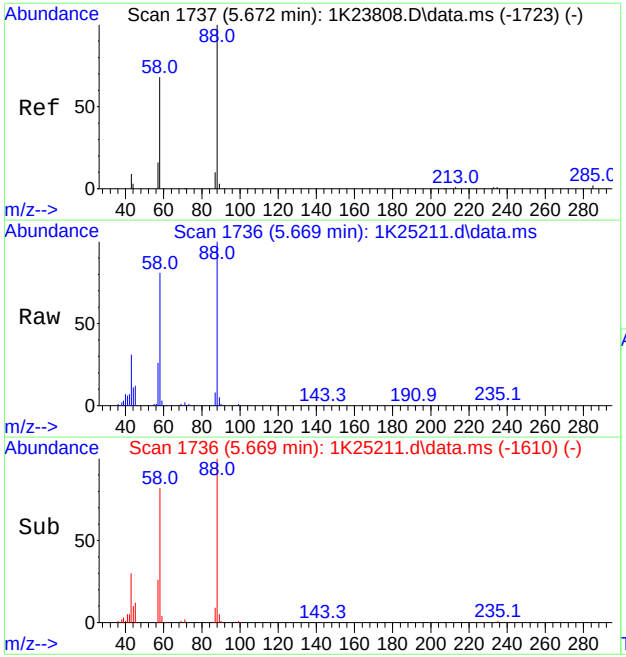


#3
tertiary butyl alcohol
Concen: 221.0088 ug/L
RT: 3.534 min Scan# 1072
Delta R.T. -0.000 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion: 59 Resp: 257849

Ion	Ratio	Lower	Upper
59	100		
41	27.3	0.0	46.0
43	19.2	0.0	51.1

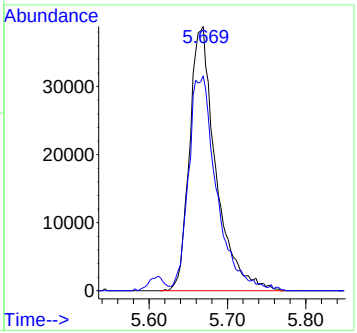


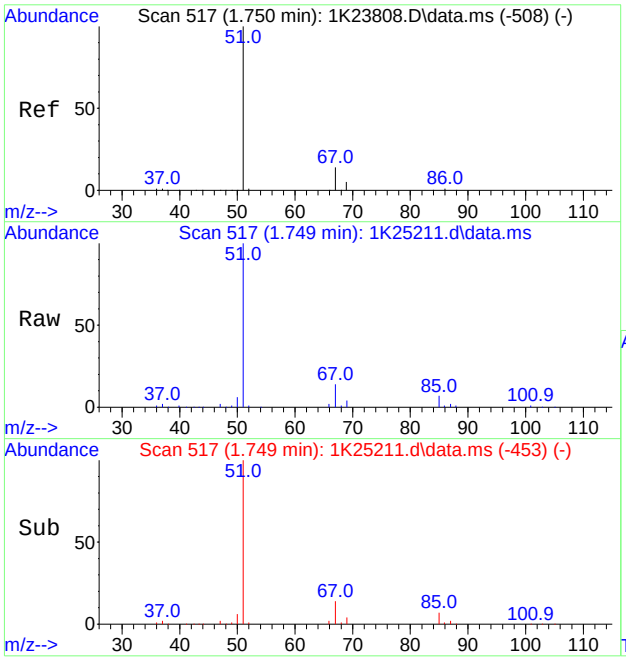


#4
1,4-dioxane
Concen: 1964.1545 ug/L
RT: 5.669 min Scan# 1736
Delta R.T. 0.006 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion: 88 Resp: 90703

Ion	Ratio	Lower	Upper
88	100		
58	80.8	53.2	93.2

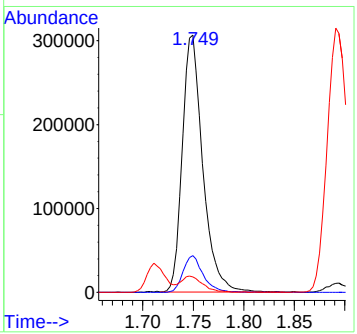


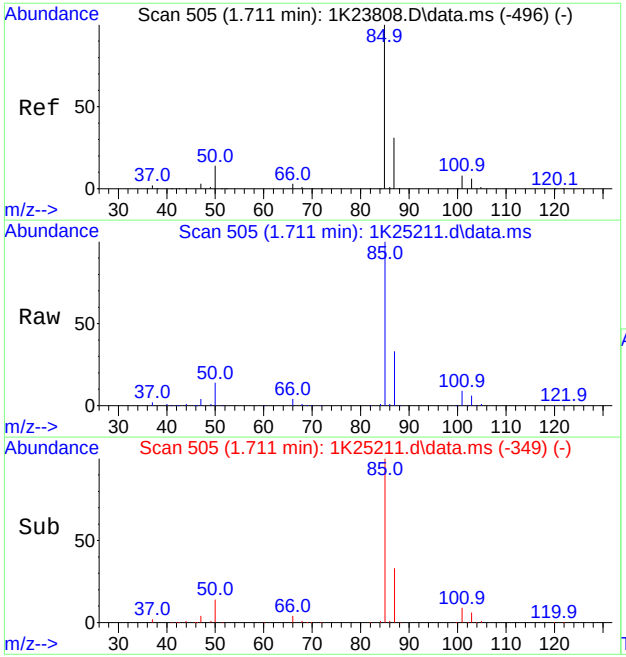


#6
chlorodifluoromethane
Concen: 35.8049 ug/L
RT: 1.749 min Scan# 517
Delta R.T. 0.006 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion: 51 Resp: 432725

Ion	Ratio	Lower	Upper
51	100		
67	14.3	0.0	44.3
50	6.1	0.0	36.5

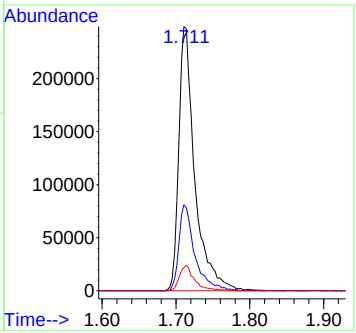


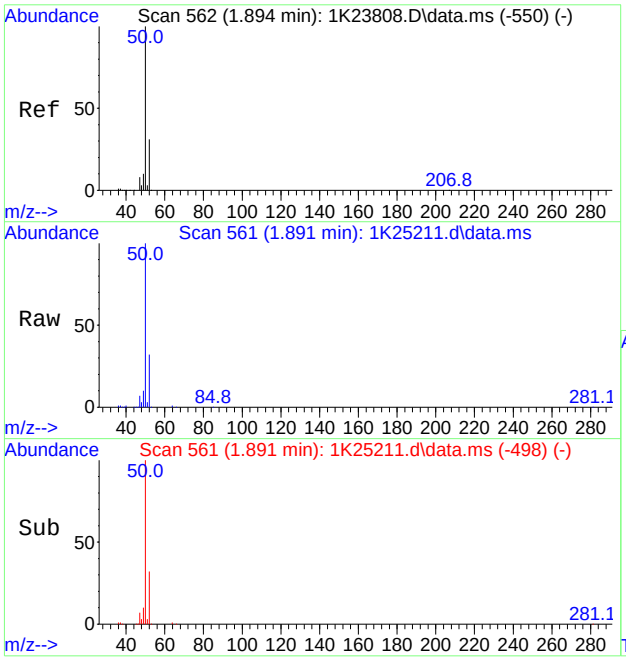


#7
dichlorodifluoromethane
Concen: 43.0110 ug/L
RT: 1.711 min Scan# 505
Delta R.T. 0.003 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion: 85 Resp: 377486

Ion	Ratio	Lower	Upper
85	100		
87	32.5	0.7	60.7
101	8.8	0.0	38.3

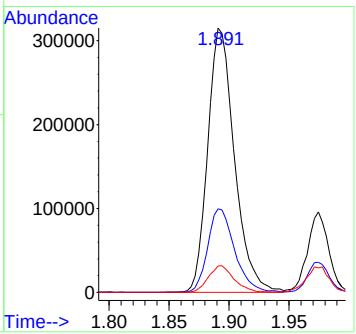


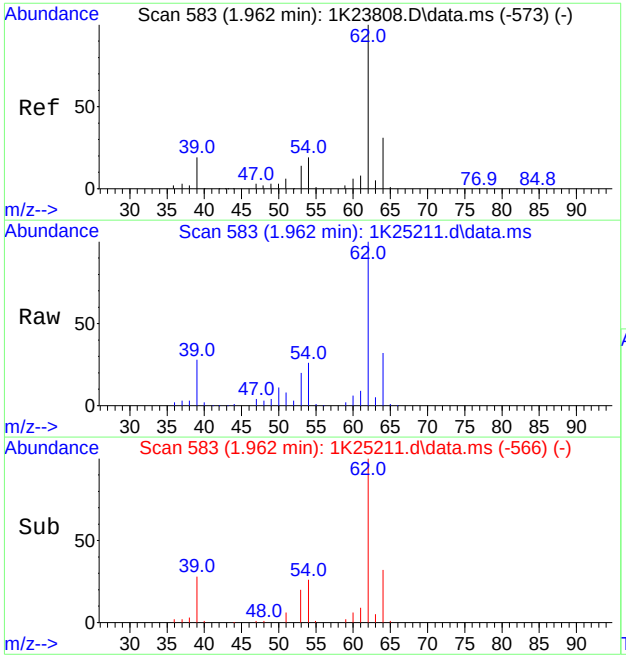


#8
chloromethane
Concen: 48.5963 ug/L
RT: 1.891 min Scan# 561
Delta R.T. 0.003 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion: 50 Resp: 488404

Ion	Ratio	Lower	Upper
50	100		
52	31.6	1.4	61.4
49	10.0	0.0	40.1

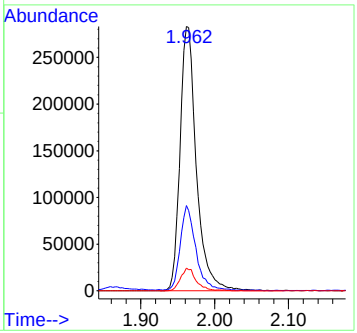


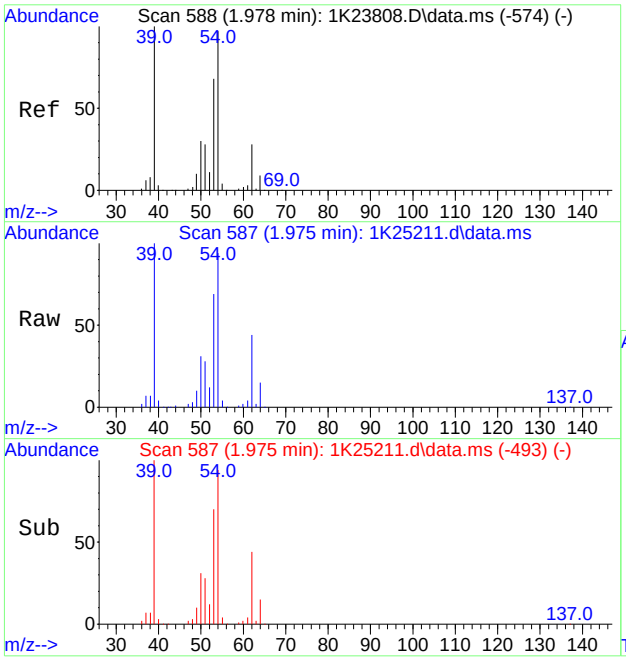


#9
vinyl chloride
Concen: 52.2630 ug/L
RT: 1.962 min Scan# 583
Delta R.T. 0.003 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion: 62 Resp: 437208

Ion	Ratio	Lower	Upper
62	100		
64	32.2	0.6	60.6
61	8.7	0.0	38.4

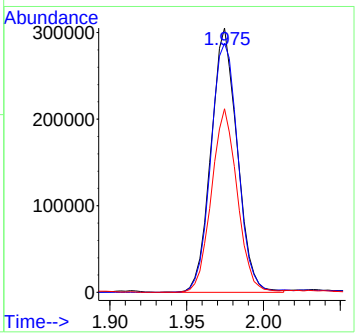


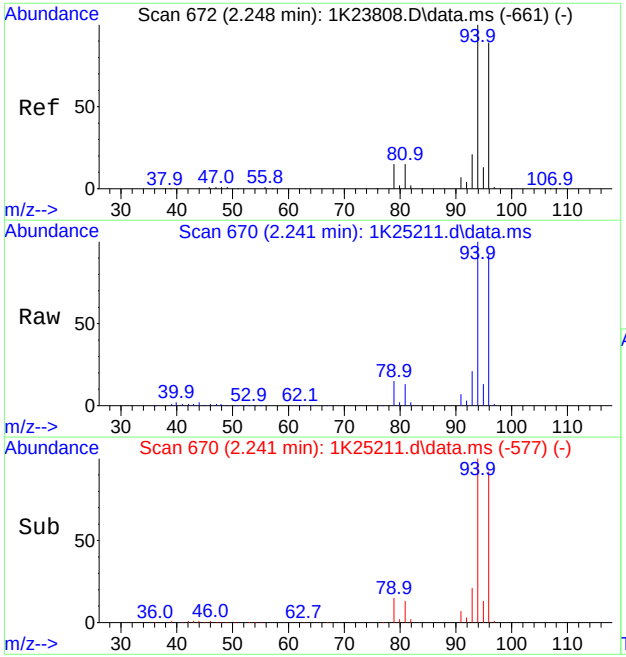


#10
1,3-butadiene
Concen: 42.5137 ug/L
RT: 1.975 min Scan# 587
Delta R.T. 0.003 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion: 39 Resp: 362020

Ion	Ratio	Lower	Upper
39	100		
54	94.2	67.0	127.0
53	69.4	38.5	98.5

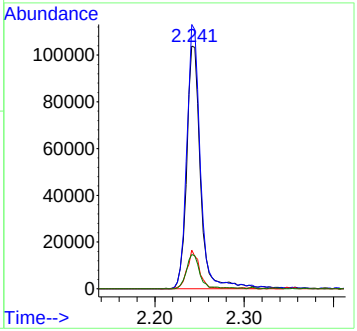


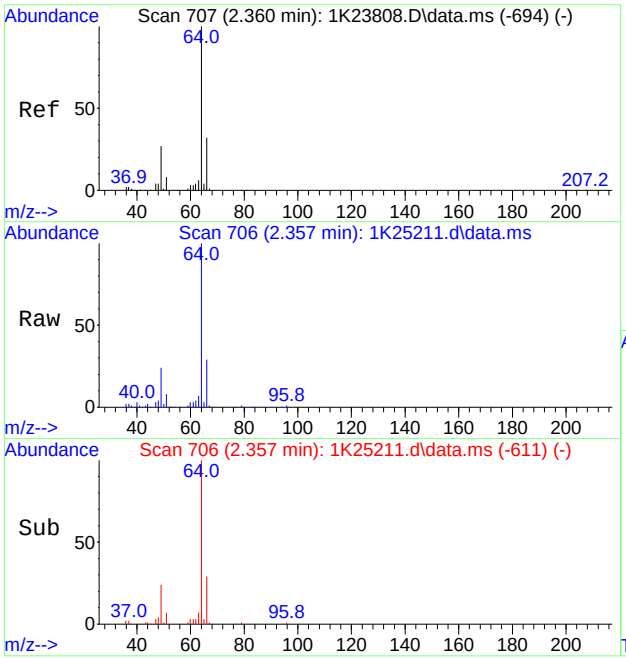


#11
bromomethane
Concen: 44.9692 ug/L
RT: 2.241 min Scan# 670
Delta R.T. -0.000 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion: 96 Resp: 112302

Ion	Ratio	Lower	Upper
96	100		
94	108.9	82.9	142.9
79	16.0	17.4	17.4#
81	14.1	0.0	36.4

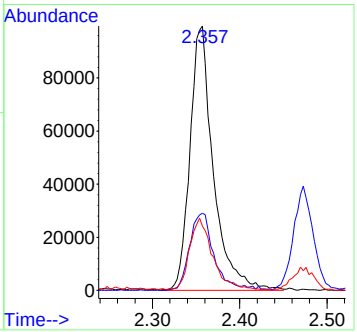


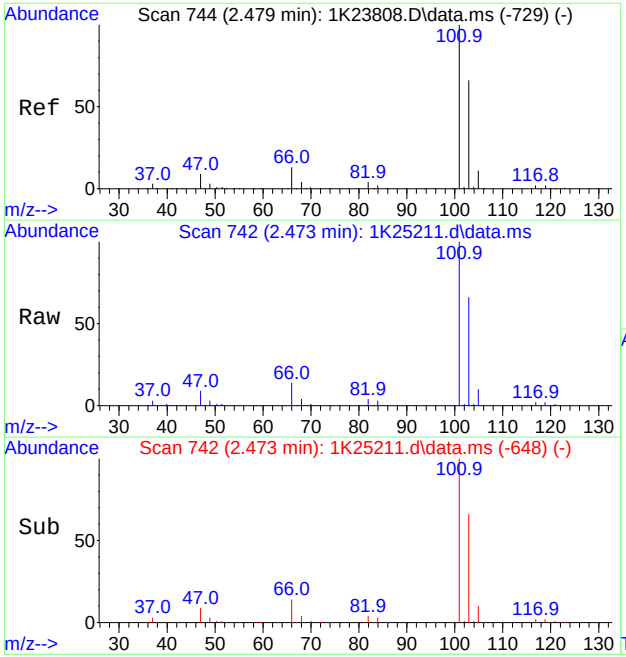


#12
chloroethane
Concen: 39.2353 ug/L
RT: 2.357 min Scan# 706
Delta R.T. 0.006 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion: 64 Resp: 185840

Ion	Ratio	Lower	Upper
64	100		
66	29.2	1.6	61.6
49	23.7	0.0	57.3

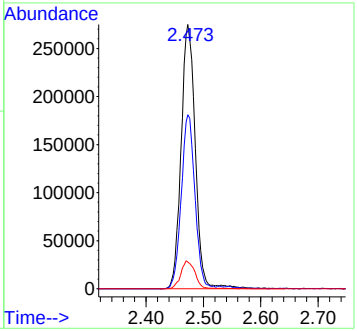


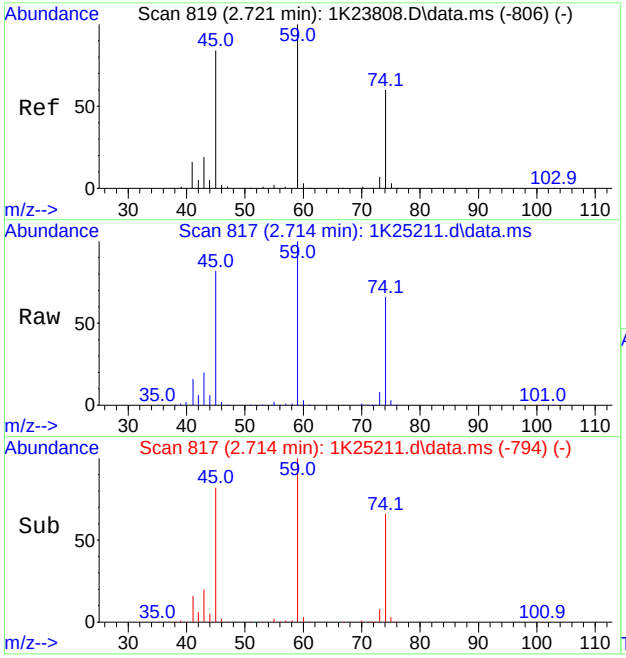


#13
trichlorofluoromethane
Concen: 40.6020 ug/L
RT: 2.473 min Scan# 742
Delta R.T. 0.003 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion:101 Resp: 475198

Ion	Ratio	Lower	Upper
101	100		
103	65.8	35.9	95.9
105	10.1	0.0	40.9

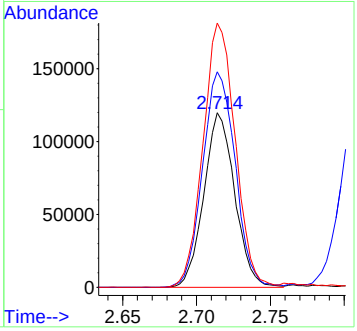


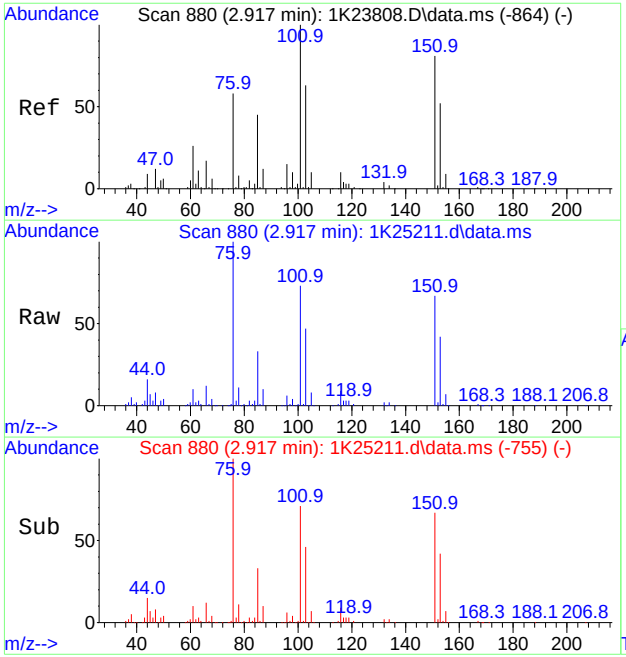


#14
ethyl ether
Concen: 44.7982 ug/L
RT: 2.714 min Scan# 817
Delta R.T. 0.003 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion: 74 Resp: 173730

Ion	Ratio	Lower	Upper
74	100		
45	123.5	108.3	168.3
59	151.4	135.3	195.3

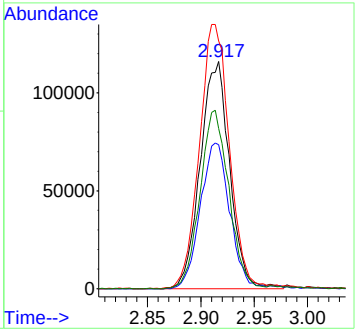


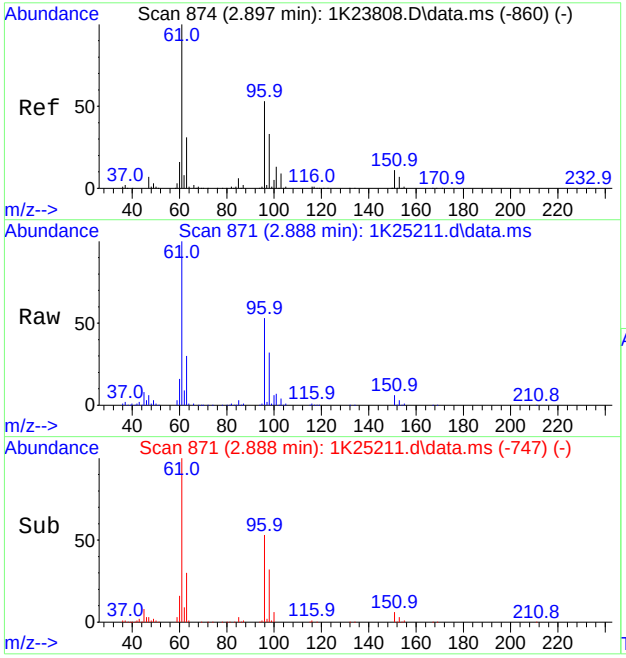


#16
freon 113
Concen: 45.2630 ug/L
RT: 2.917 min Scan# 880
Delta R.T. 0.003 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion:151 Resp: 222779

Ion	Ratio	Lower	Upper
151	100		
153	63.4	44.4	84.4
101	109.0	102.8	142.8
103	70.5	57.7	97.7

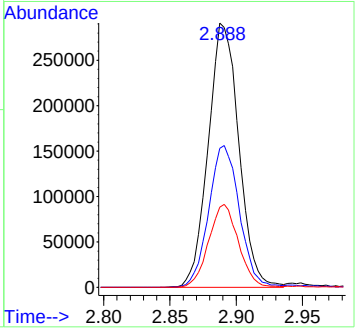


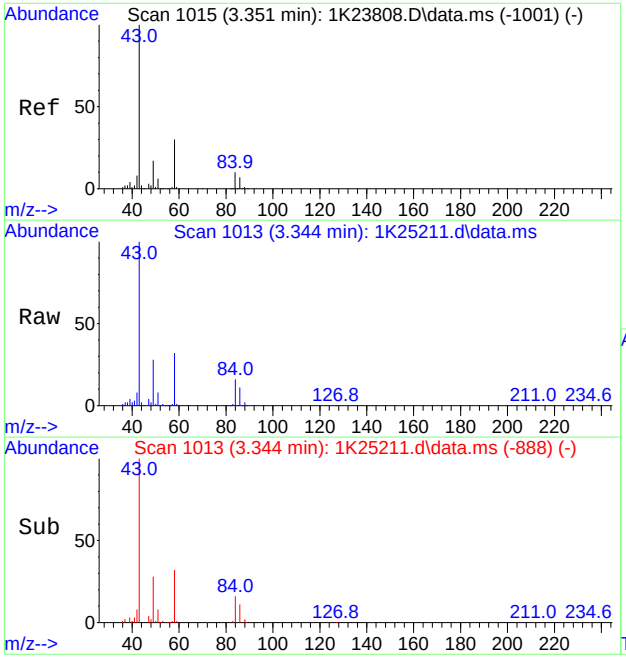


#17
1,1-dichloroethene
Concen: 42.7516 ug/L
RT: 2.888 min Scan# 871
Delta R.T. -0.000 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion: 61 Resp: 467823

Ion	Ratio	Lower	Upper
61	100		
96	52.6	23.2	83.2
63	30.3	1.0	61.0

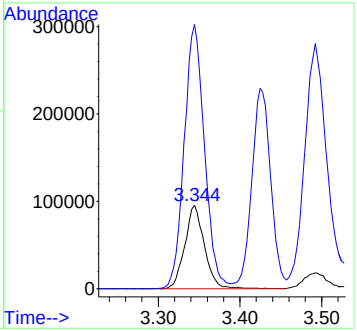


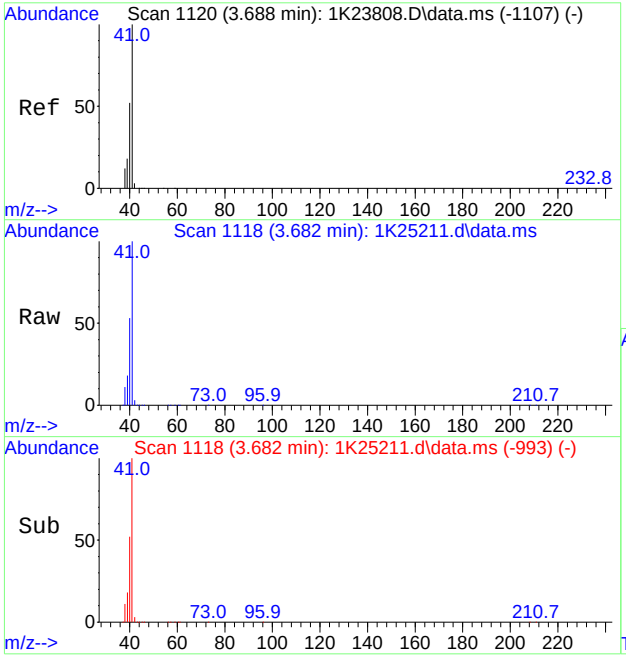


#18
acetone
Concen: 191.4581 ug/L
RT: 3.344 min Scan# 1013
Delta R.T. 0.003 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion: 58 Resp: 159551

Ion	Ratio	Lower	Upper
58	100		
43	315.5	300.4	360.4

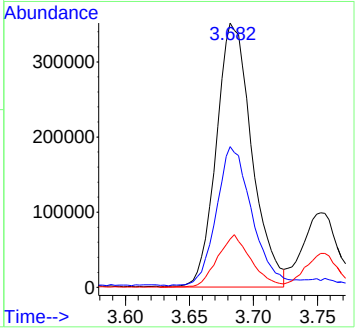


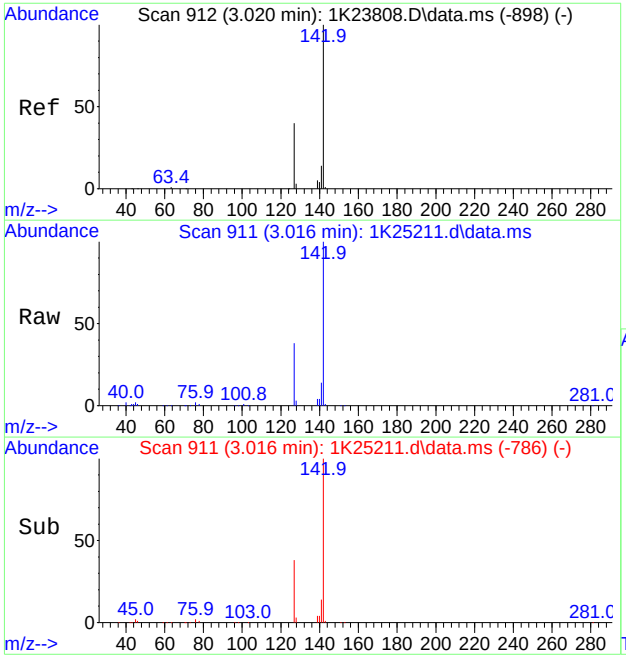


#19
acetonitrile
Concen: 619.1243 ug/L
RT: 3.682 min Scan# 1118
Delta R.T. 0.003 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion: 41 Resp: 679745

Ion	Ratio	Lower	Upper
41	100		
40	52.5	21.7	81.7
39	18.1	0.0	47.9

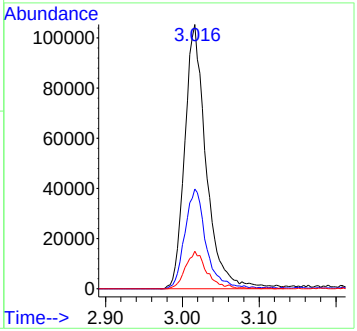


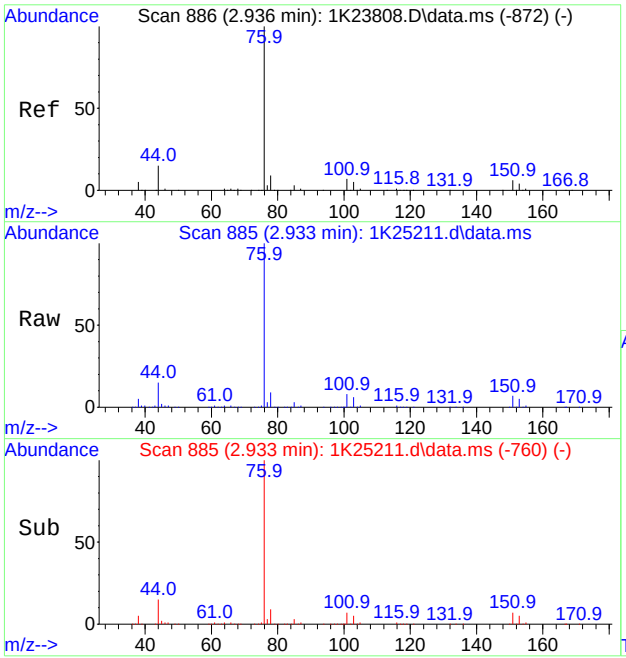


#20
iodomethane
Concen: 32.1311 ug/L
RT: 3.016 min Scan# 911
Delta R.T. 0.003 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion:142 Resp: 205086

Ion	Ratio	Lower	Upper
142	100		
127	37.8	9.9	69.9
141	14.3	0.0	44.3

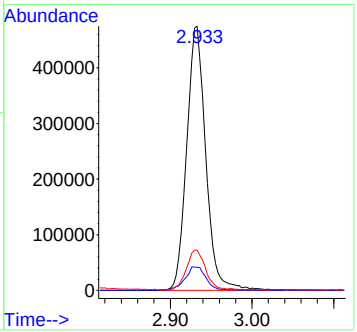


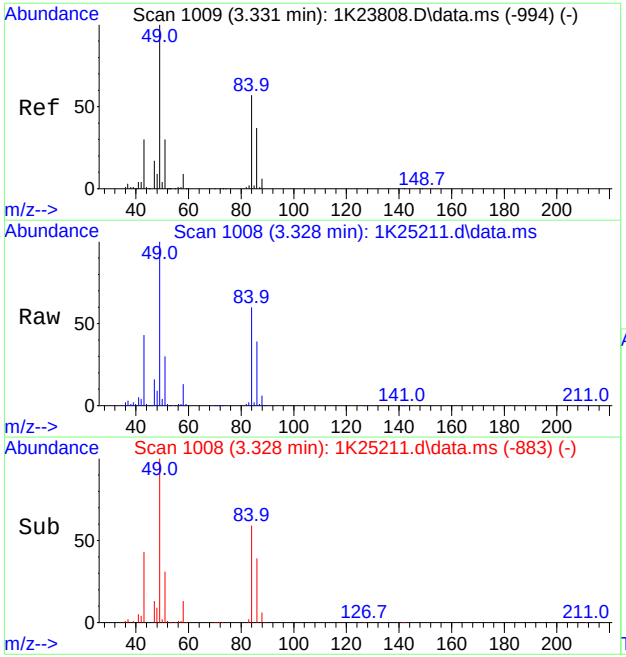


#21
carbon disulfide
Concen: 42.8596 ug/L
RT: 2.933 min Scan# 885
Delta R.T. 0.003 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion: 76 Resp: 772119

Ion	Ratio	Lower	Upper
76	100		
78	8.7	0.0	39.5
44	15.0	0.0	44.8

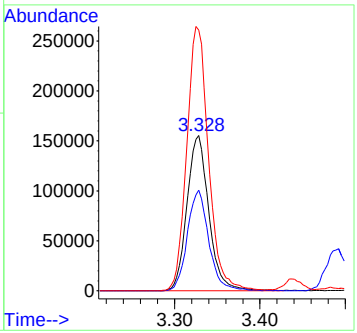


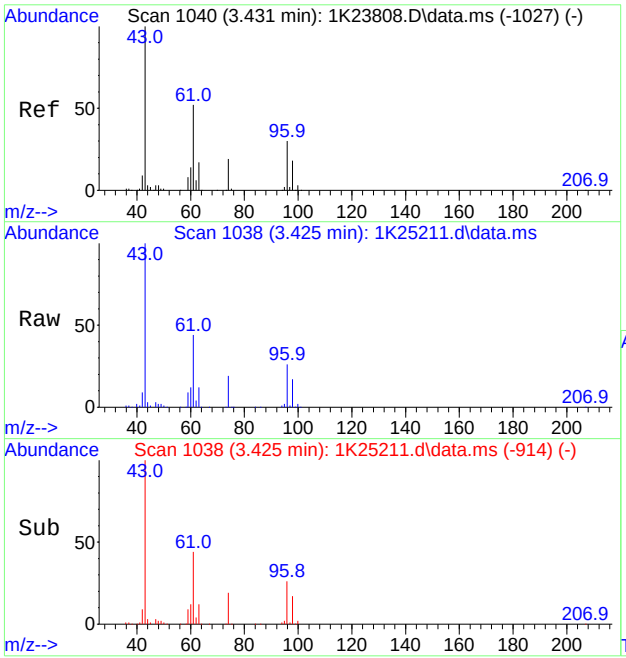


#22
methylene chloride
Concen: 45.1910 ug/L
RT: 3.328 min Scan# 1008
Delta R.T. 0.003 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion: 84 Resp: 276058

Ion	Ratio	Lower	Upper
84	100		
86	64.9	35.3	95.3
49	168.0	144.8	204.8

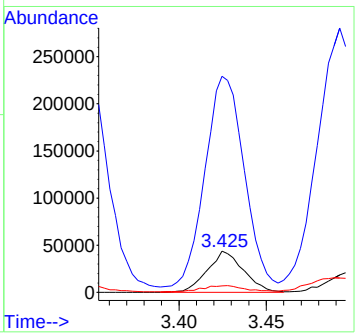


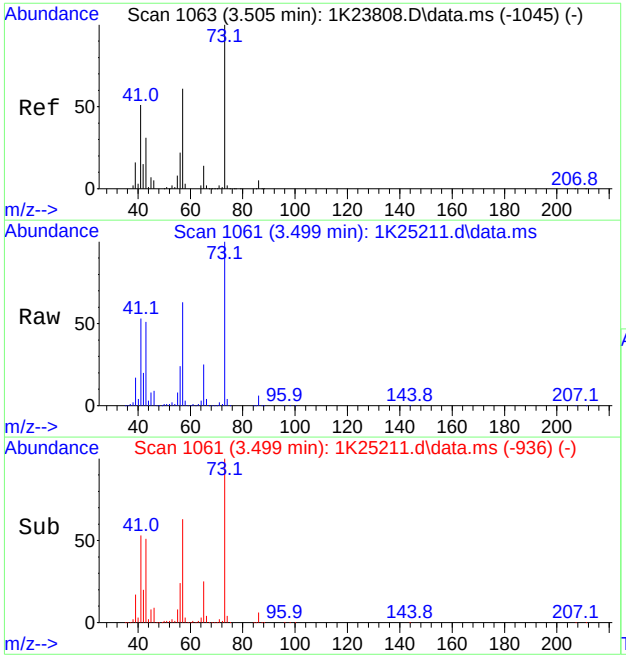


#23
methyl acetate
Concen: 44.3923 ug/L
RT: 3.425 min Scan# 1038
Delta R.T. -0.000 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion: 74 Resp: 63031

Ion	Ratio	Lower	Upper
74	100		
43	511.9	491.2	551.2
44	14.3	0.0	44.3

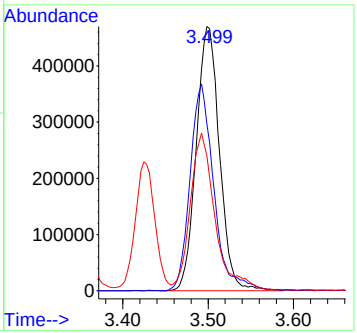


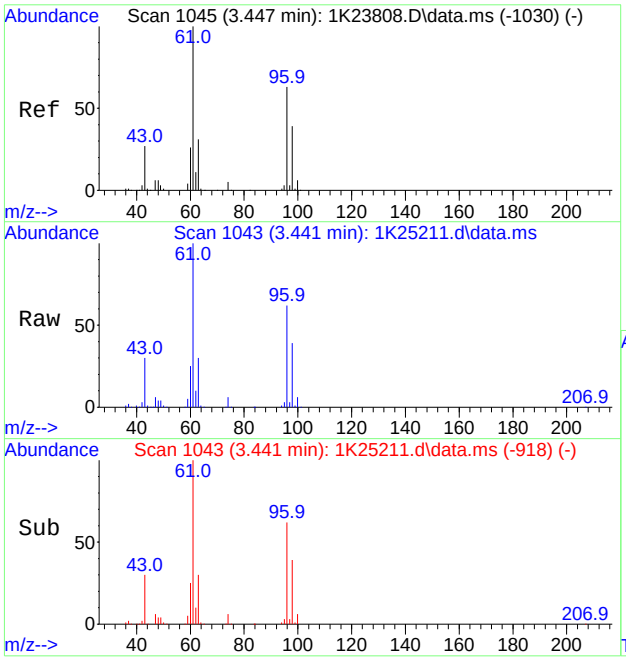


#24
methyl tert butyl ether
Concen: 43.6350 ug/L
RT: 3.499 min Scan# 1061
Delta R.T. 0.003 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion: 73 Resp: 887961

Ion	Ratio	Lower	Upper
73	100		
57	63.1	30.7	90.7
43	50.8	18.2	78.2

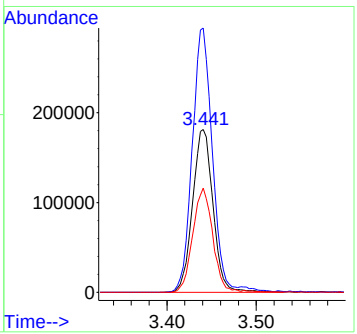


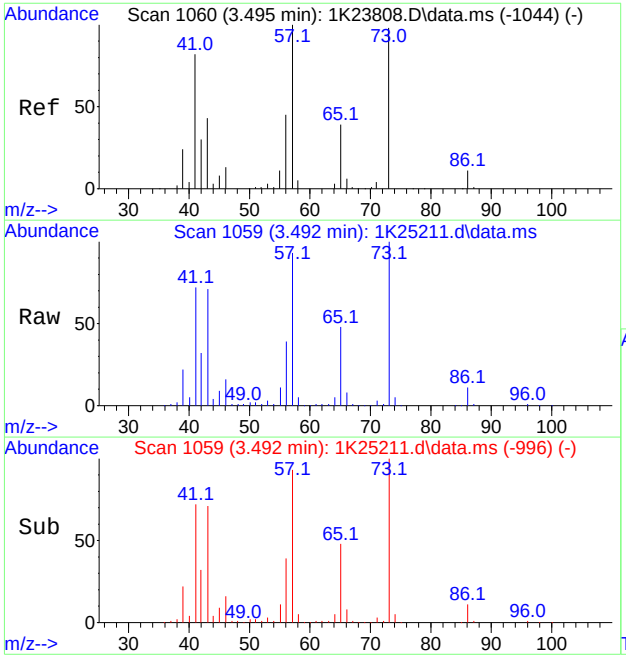


#25
trans-1,2-dichloroethene
Concen: 44.9130 ug/L
RT: 3.441 min Scan# 1043
Delta R.T. 0.003 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion: 96 Resp: 289793

Ion	Ratio	Lower	Upper
96	100		
61	162.4	128.8	188.8
98	64.0	32.4	92.4

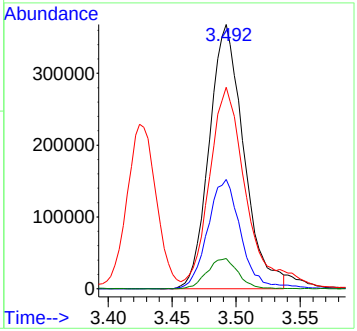


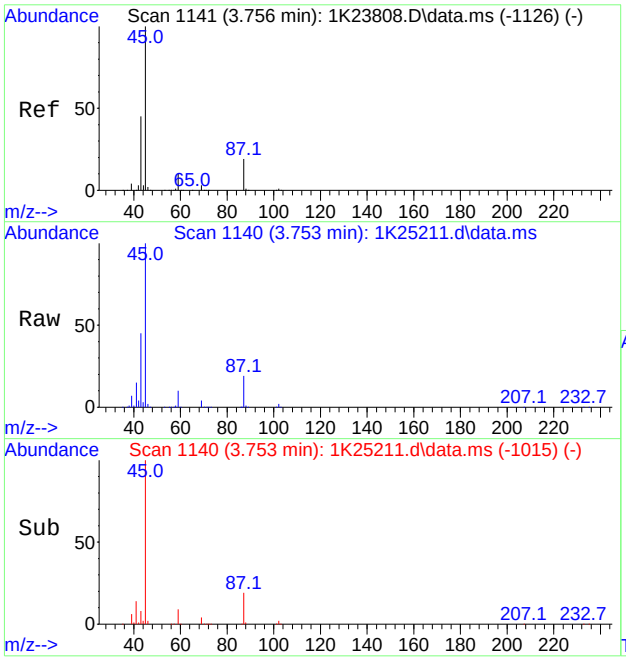


#26
hexane
Concen: 42.5968 ug/L
RT: 3.492 min Scan# 1059
Delta R.T. 0.003 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion: 57 Resp: 691143

Ion	Ratio	Lower	Upper
57	100		
56	41.4	24.9	64.9
43	69.6	50.9	90.9
86	11.5	0.0	31.2

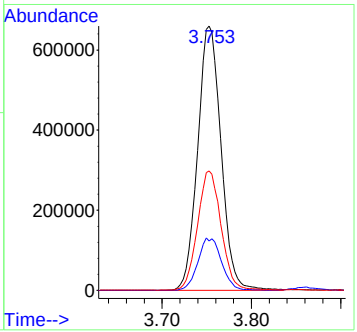


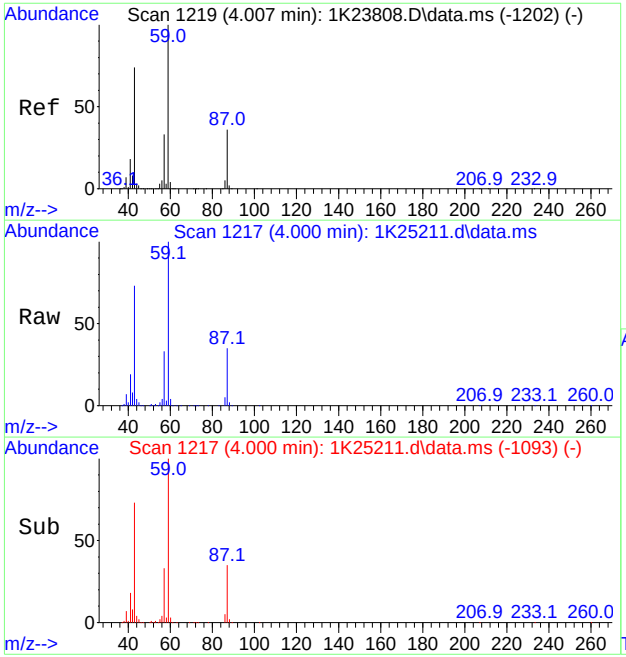


#27
di-isopropyl ether
Concen: 44.0218 ug/L
RT: 3.753 min Scan# 1140
Delta R.T. 0.003 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion: 45 Resp: 1202050

Ion	Ratio	Lower	Upper
45	100		
87	18.7	0.0	48.8
43	45.1	14.9	74.9

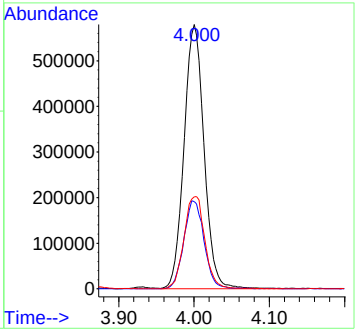


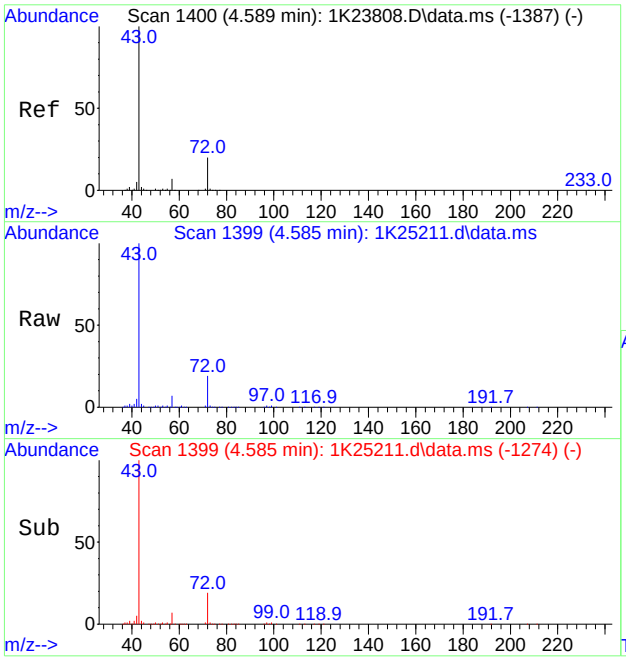


#28
ethyl tert-butyl ether
Concen: 44.2777 ug/L
RT: 4.000 min Scan# 1217
Delta R.T. -0.000 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion: 59 Resp: 1073611

Ion	Ratio	Lower	Upper
59	100		
57	33.0	2.6	62.6
87	34.9	5.8	65.8

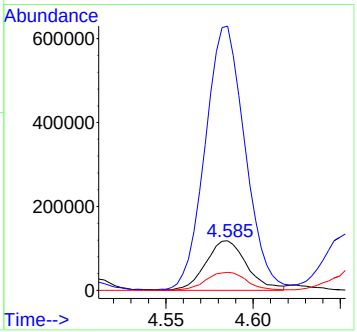


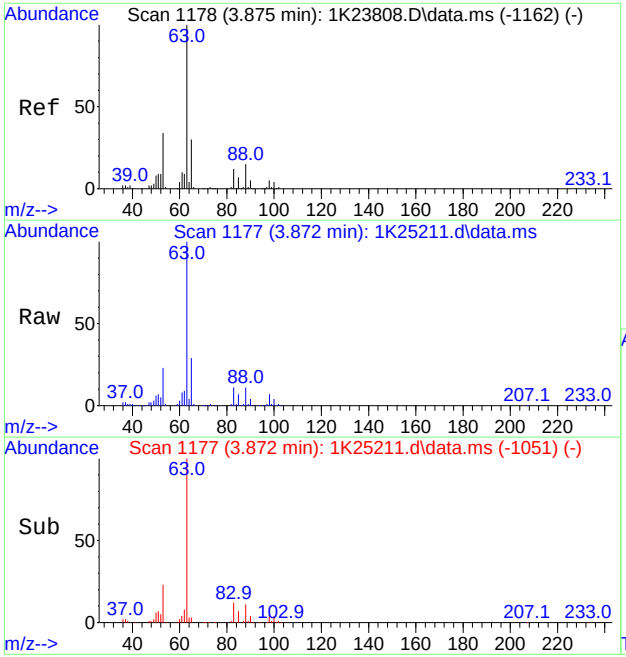


#29
2-butanone
Concen: 181.1456 ug/L
RT: 4.585 min Scan# 1399
Delta R.T. 0.003 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion: 72 Resp: 193831

Ion	Ratio	Lower	Upper
72	100		
43	535.3	475.4	535.4
57	36.7	5.7	65.7

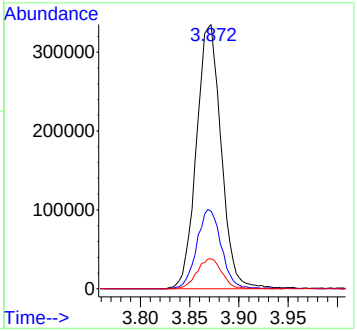


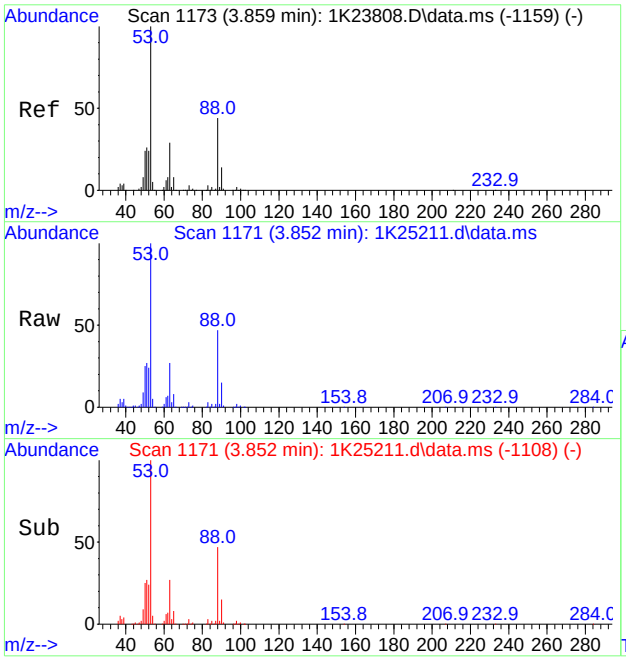


#30
1,1-dichloroethane
Concen: 45.5818 ug/L
RT: 3.872 min Scan# 1177
Delta R.T. 0.006 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion: 63 Resp: 586283

Ion	Ratio	Lower	Upper
63	100		
65	29.4	0.2	60.2
83	11.3	0.0	42.0

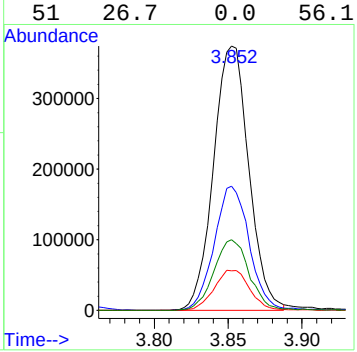


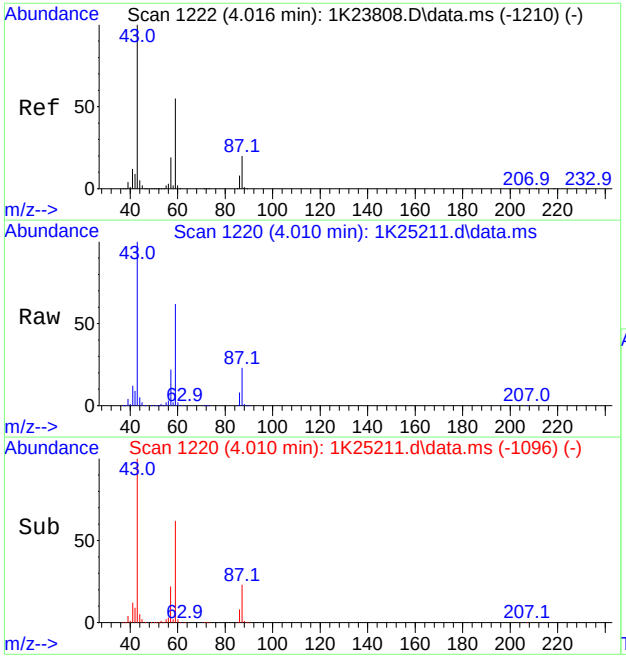


#31
chloroprene
Concen: 43.8839 ug/L
RT: 3.852 min Scan# 1171
Delta R.T. 0.003 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion: 53 Resp: 621312

Ion	Ratio	Lower	Upper
53	100		
88	46.9	13.8	73.8
90	15.0	0.0	44.2
51	26.7	0.0	56.1

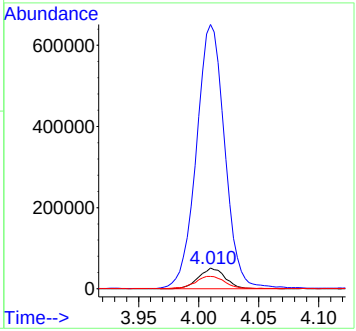


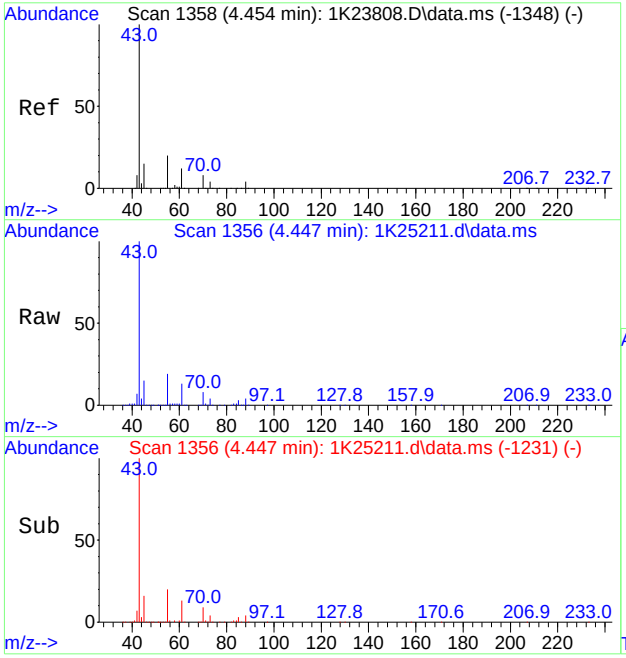


#33
vinyl acetate
Concen: 50.3885 ug/L
RT: 4.010 min Scan# 1220
Delta R.T. -0.000 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion: 86 Resp: 79330

Ion	Ratio	Lower	Upper
86	100		
43	1263.6	1252.8	1312.8
44	57.6	39.9	99.9

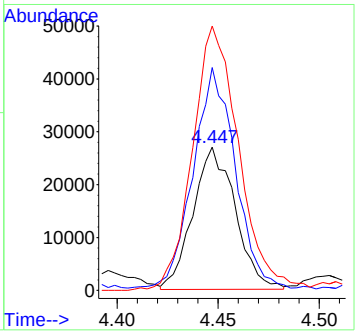


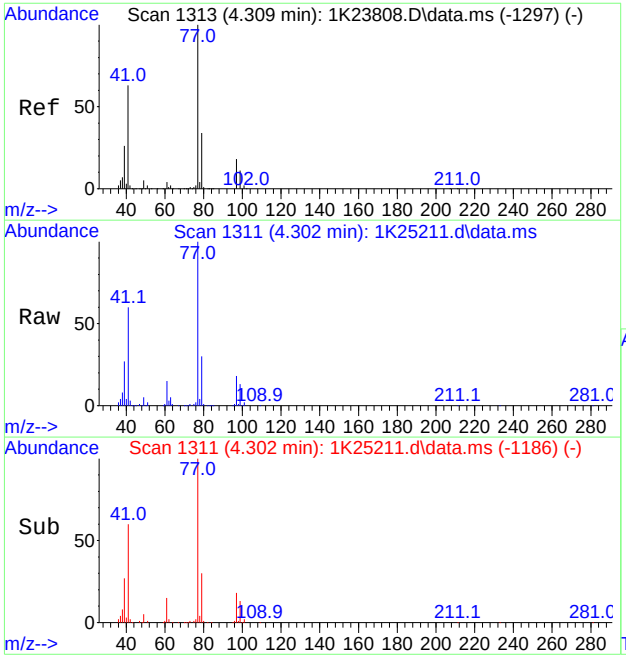


#34
ethyl acetate
Concen: 41.7552 ug/L
RT: 4.447 min Scan# 1356
Delta R.T. 0.003 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion: 70 Resp: 39227

Ion	Ratio	Lower	Upper
70	100		
61	155.5	124.4	184.4
45	183.9	156.4	216.4

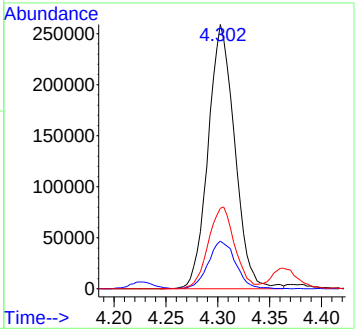


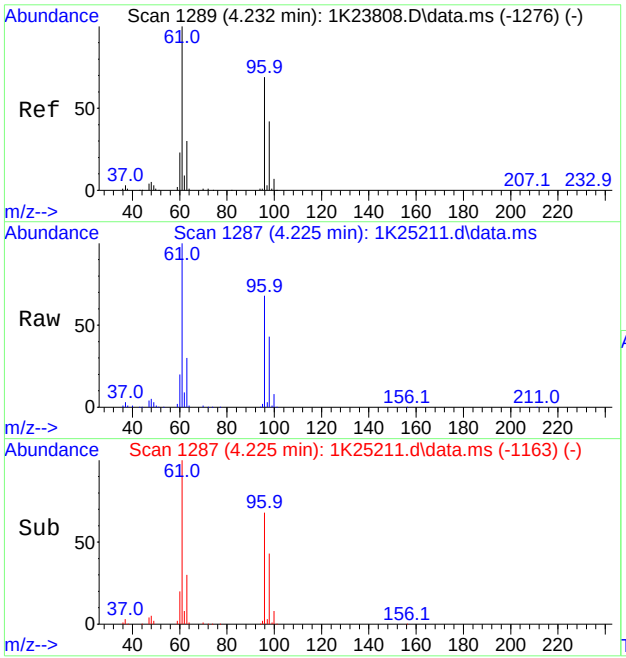


#35
2,2-dichloropropane
Concen: 43.4224 ug/L
RT: 4.302 min Scan# 1311
Delta R.T. 0.003 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion: 77 Resp: 461332

Ion	Ratio	Lower	Upper
77	100		
97	17.9	0.0	47.6
79	30.5	3.7	63.7

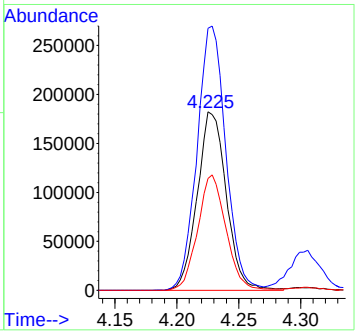


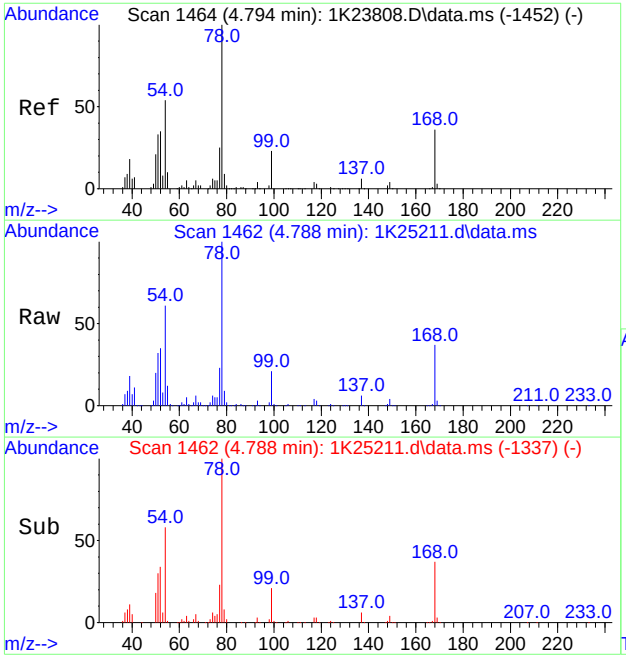


#36
cis-1,2-dichloroethene
Concen: 45.3661 ug/L
RT: 4.225 min Scan# 1287
Delta R.T. -0.000 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion: 96 Resp: 298062

Ion	Ratio	Lower	Upper
96	100		
61	146.7	114.3	174.3
98	62.6	30.5	90.5

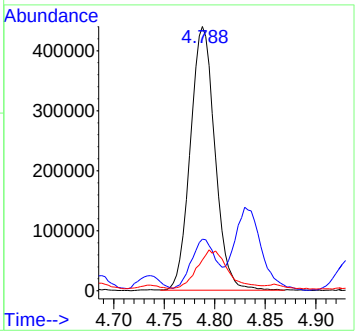


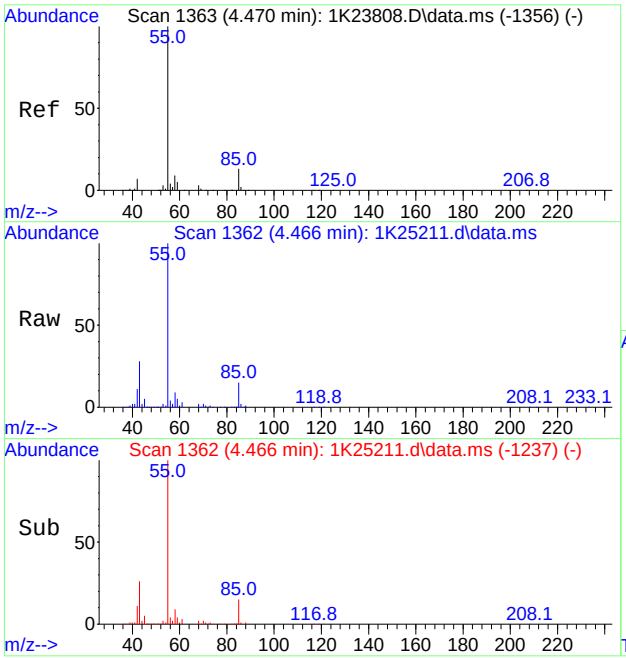


#37
propionitrile
Concen: 523.2588 ug/L
RT: 4.788 min Scan# 1462
Delta R.T. 0.003 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion: 54 Resp: 743446

Ion	Ratio	Lower	Upper
54	100		
55	17.4	0.0	50.4
40	10.4	0.0	41.8

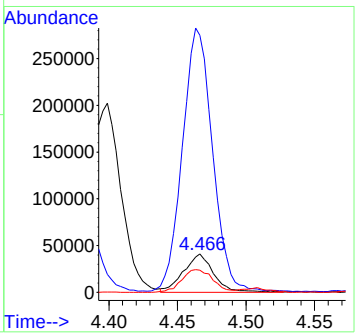


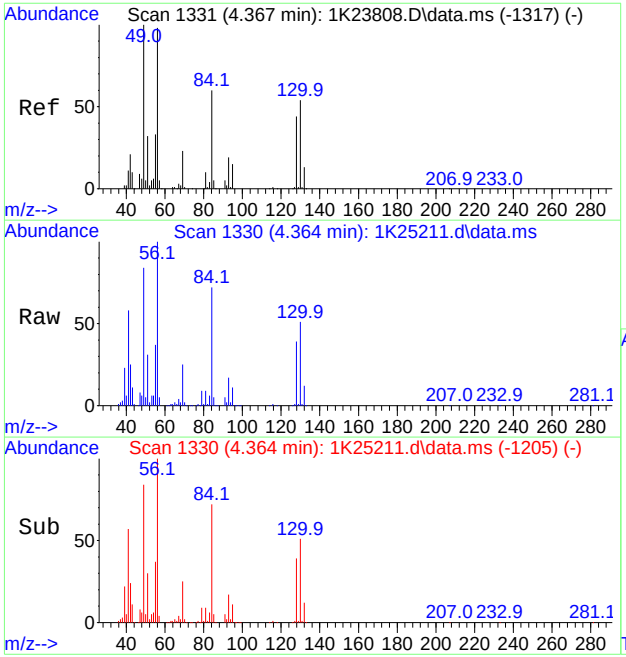


#38
methyl acrylate
Concen: 48.1660 ug/L
RT: 4.466 min Scan# 1362
Delta R.T. 0.003 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion: 85 Resp: 62122

Ion	Ratio	Lower	Upper
85	100		
55	671.9	717.8	757.8#
58	55.6	42.6	82.6

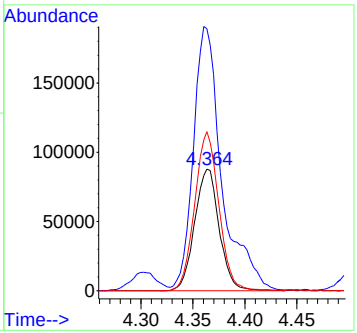


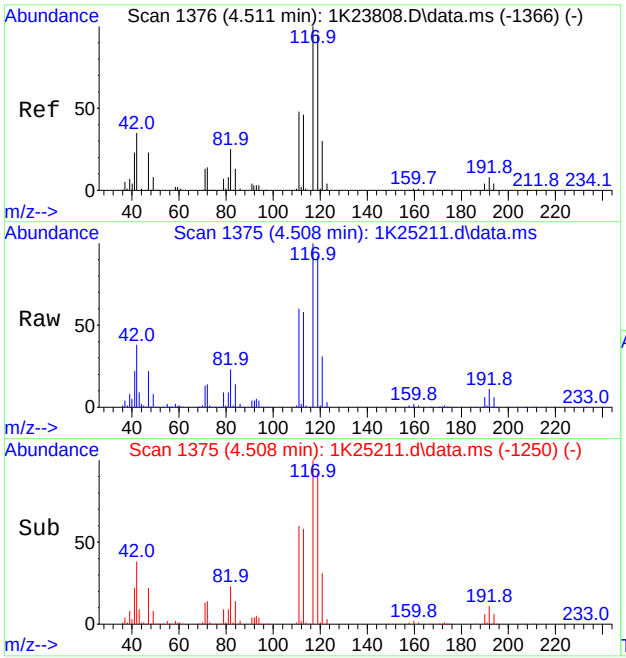


#39
bromochloromethane
Concen: 48.8014 ug/L
RT: 4.364 min Scan# 1330
Delta R.T. 0.003 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion:128 Resp: 145230

Ion	Ratio	Lower	Upper
128	100		
49	214.6	195.5	255.5
130	131.0	92.1	152.1

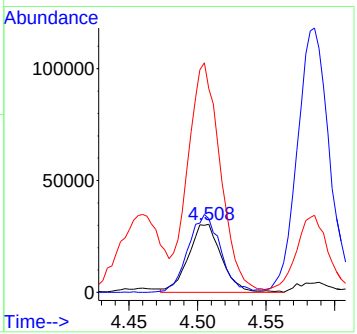




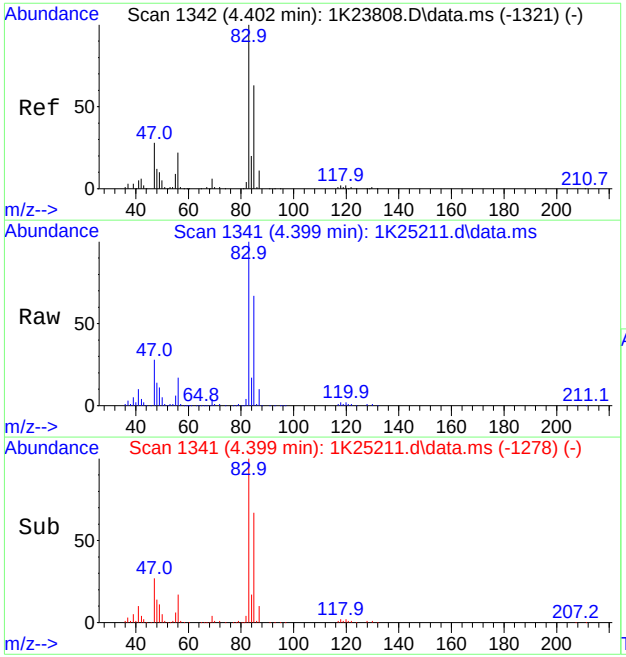
#40
tetrahydrofuran
Concen: 45.3470 ug/L
RT: 4.508 min Scan# 1375
Delta R.T. 0.003 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion: 71 Resp: 51288

Ion	Ratio	Lower	Upper
71	100		
72	106.4	76.4	136.4
42	280.4	297.7	357.7#



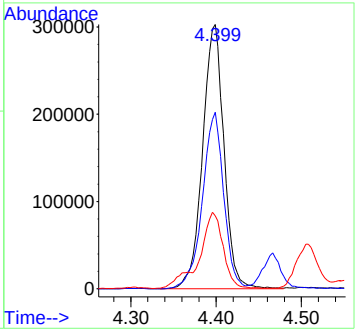
7.3.1

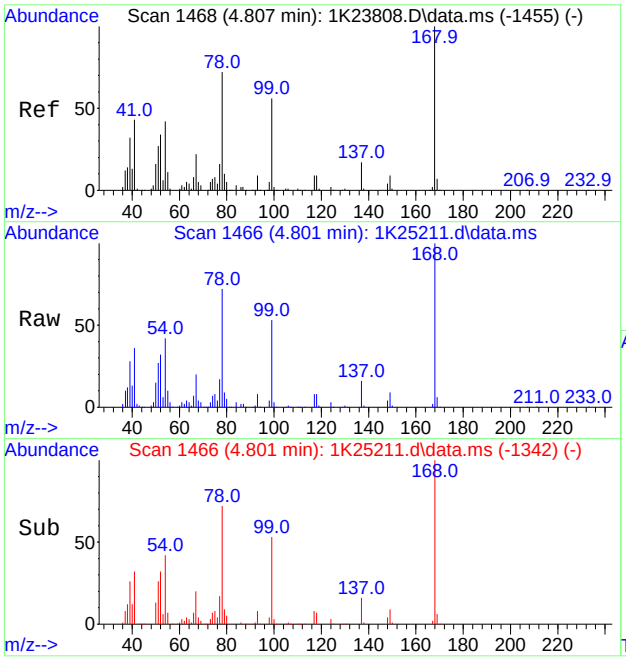


#41
chloroform
Concen: 42.8278 ug/L
RT: 4.399 min Scan# 1341
Delta R.T. 0.003 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion: 83 Resp: 527630

Ion	Ratio	Lower	Upper
83	100		
85	66.8	33.4	93.4
47	27.3	0.0	58.3

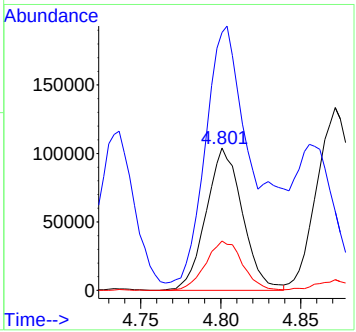


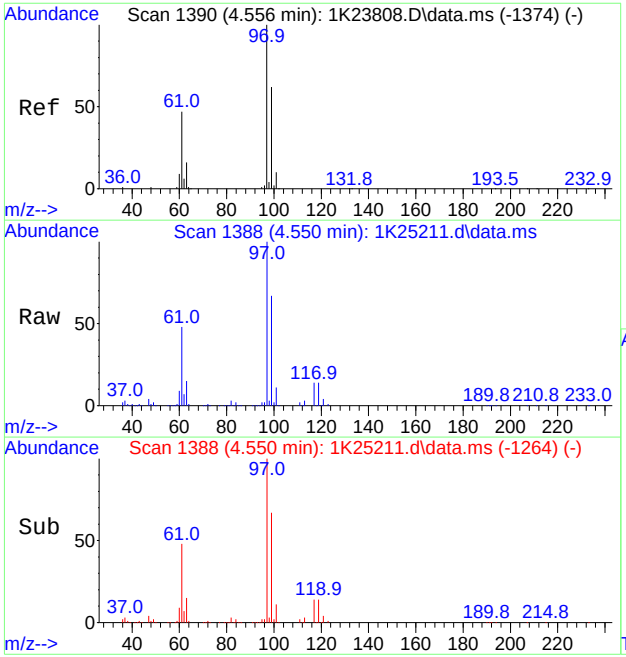


#43
methacrylonitrile
Concen: 43.3866 ug/L
RT: 4.801 min Scan# 1466
Delta R.T. -0.000 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion: 67 Resp: 164940

Ion	Ratio	Lower	Upper
67	100		
41	175.2	161.1	221.1
66	34.7	3.7	63.7

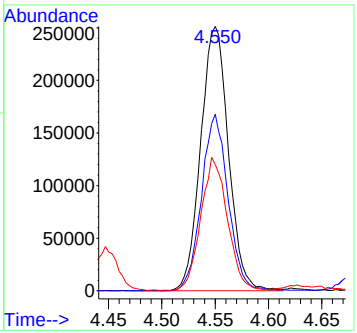


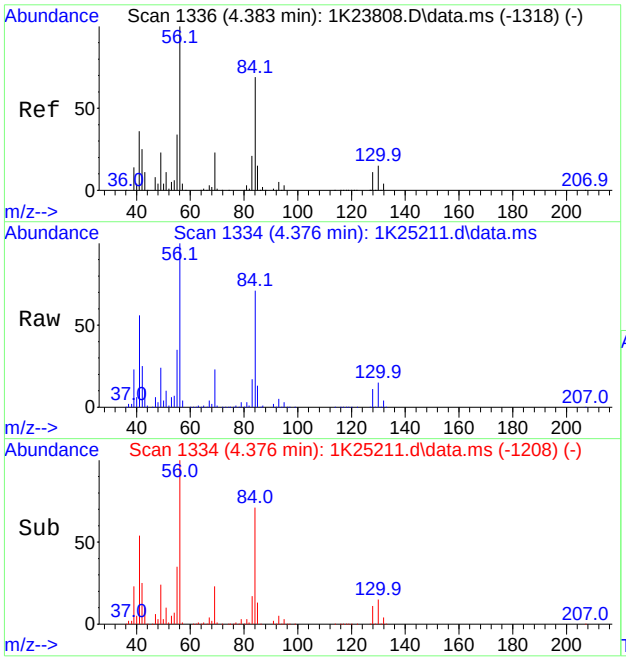


#44
1,1,1-trichloroethane
Concen: 43.2743 ug/L
RT: 4.550 min Scan# 1388
Delta R.T. -0.000 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion: 97 Resp: 456252

Ion	Ratio	Lower	Upper
97	100		
99	66.8	32.1	92.1
61	47.6	16.3	76.3

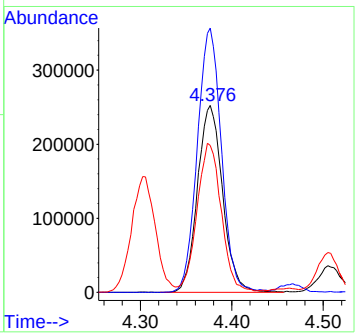


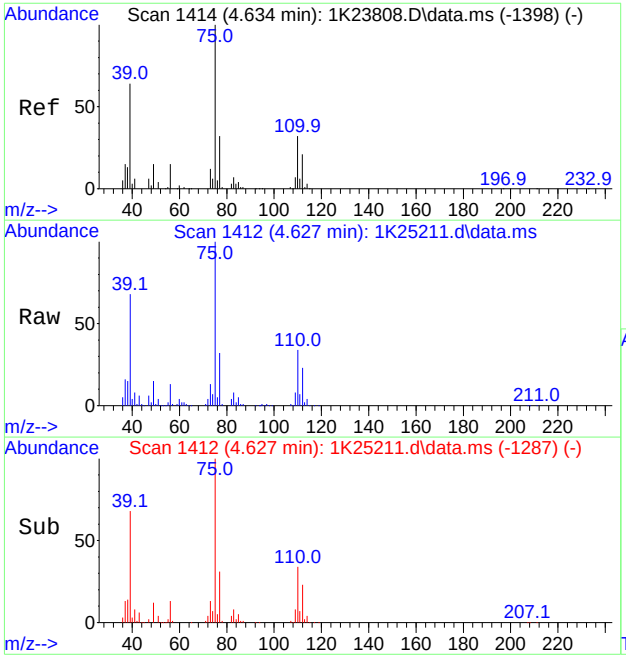


#45
cyclohexane
Concen: 52.0714 ug/L
RT: 4.376 min Scan# 1334
Delta R.T. 0.006 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion: 84 Resp: 482833

Ion	Ratio	Lower	Upper
84	100		
56	141.5	124.1	164.1
41	76.9	58.3	98.3

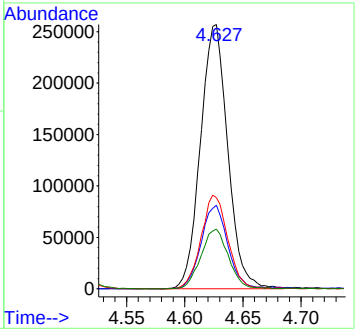


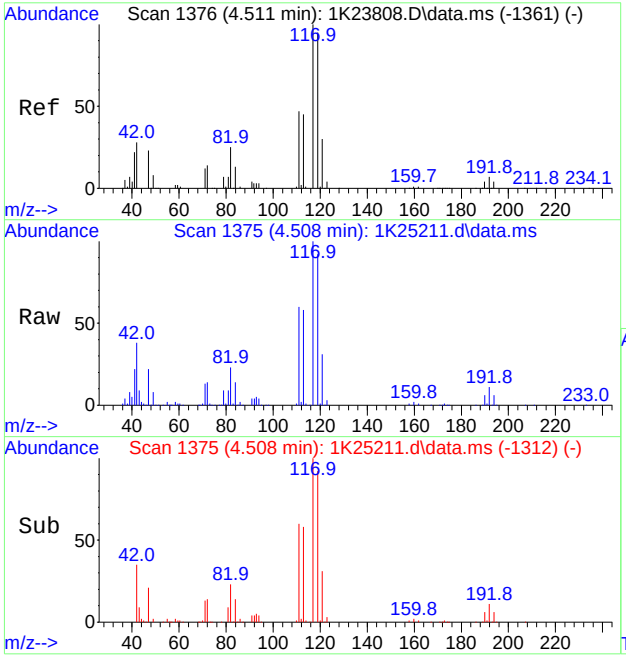


#46
1,1-dichloropropene
Concen: 45.3921 ug/L
RT: 4.627 min Scan# 1412
Delta R.T. 0.003 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion: 75 Resp: 420441

Ion	Ratio	Lower	Upper
75	100		
77	31.6	12.0	52.0
110	34.4	12.3	52.3
112	22.6	0.8	40.8

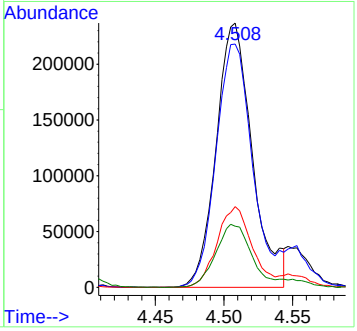


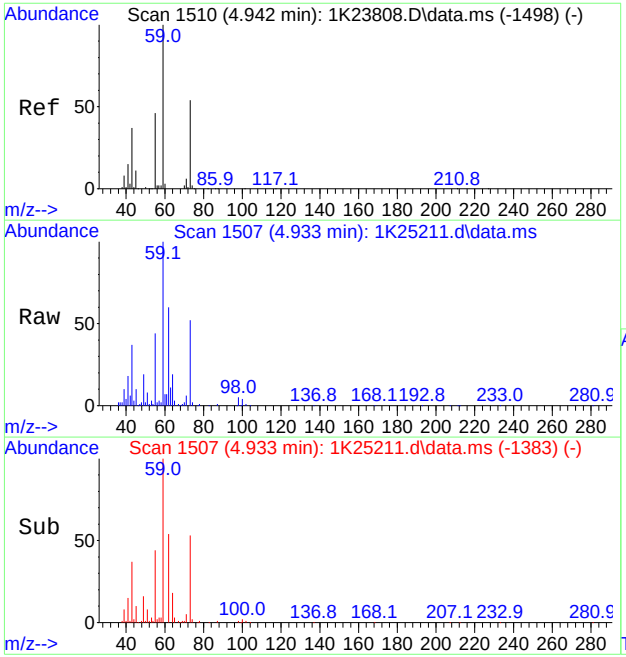


#47
carbon tetrachloride
Concen: 44.3551 ug/L
RT: 4.508 min Scan# 1375
Delta R.T. 0.003 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion:117 Resp: 434281

Ion	Ratio	Lower	Upper
117	100		
119	92.0	74.6	114.6
121	30.5	9.9	49.9
82	23.1	5.1	45.1

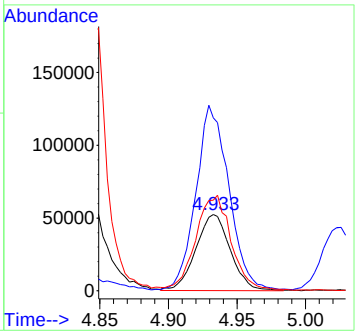


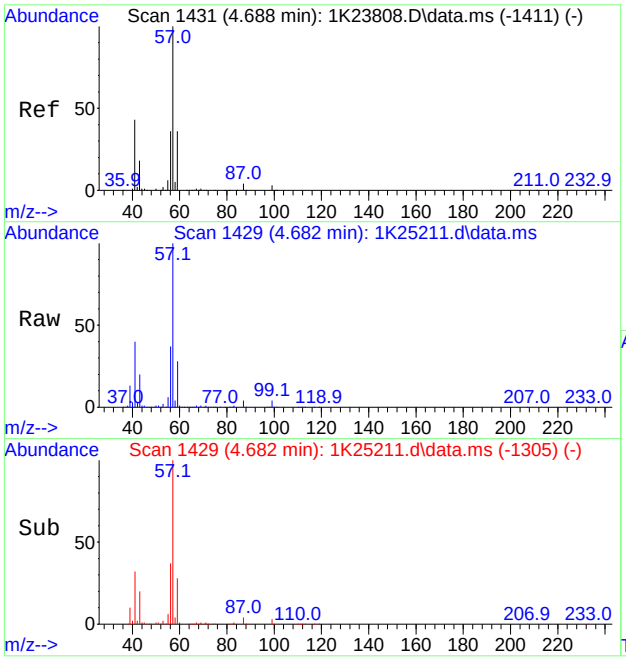


#49
tert-amyl alcohol
Concen: 282.4246 ug/L
RT: 4.933 min Scan# 1507
Delta R.T. -0.000 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion: 55 Resp: 91351

Ion	Ratio	Lower	Upper
55	100		
59	226.5	194.2	234.2
73	117.6	101.1	141.1

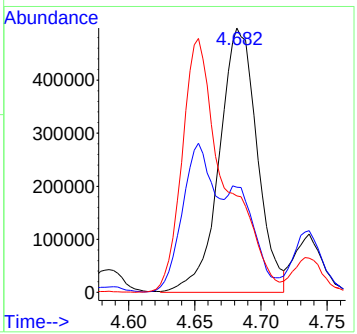


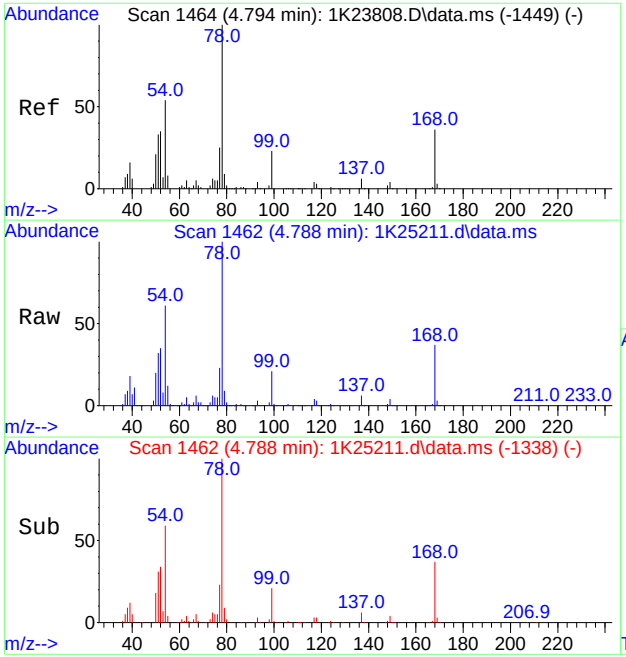


#52
iso-octane
Concen: 39.0948 ug/L
RT: 4.682 min Scan# 1429
Delta R.T. -0.000 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion: 57 Resp: 990227

Ion	Ratio	Lower	Upper
57	100		
41	37.8	22.7	62.7
56	33.6	16.1	56.1

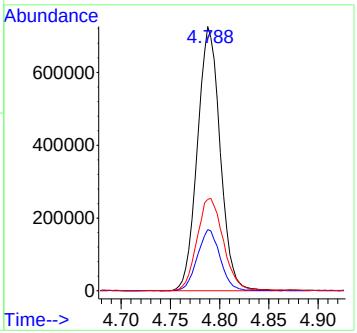


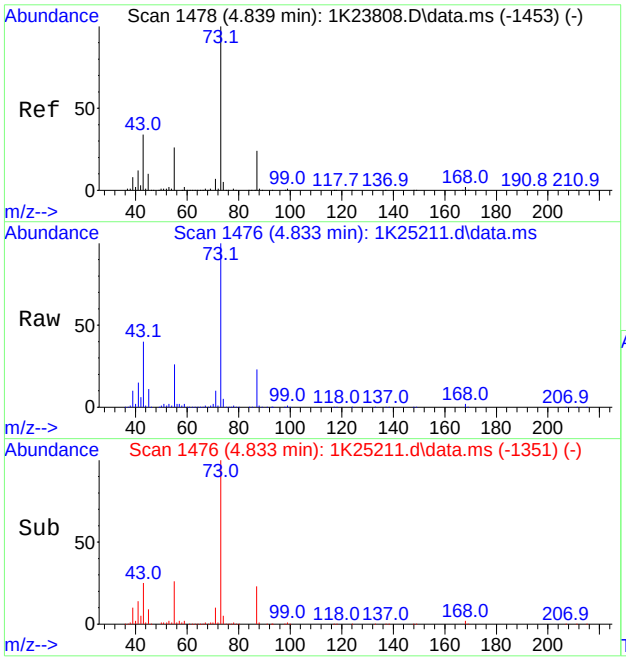


#53
benzene
Concen: 45.0829 ug/L
RT: 4.788 min Scan# 1462
Delta R.T. -0.000 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion: 78 Resp: 1168308

Ion	Ratio	Lower	Upper
78	100		
77	23.0	0.0	54.5
52	34.4	5.0	65.0

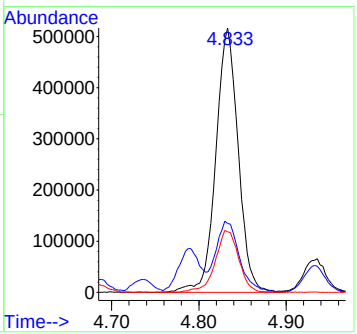


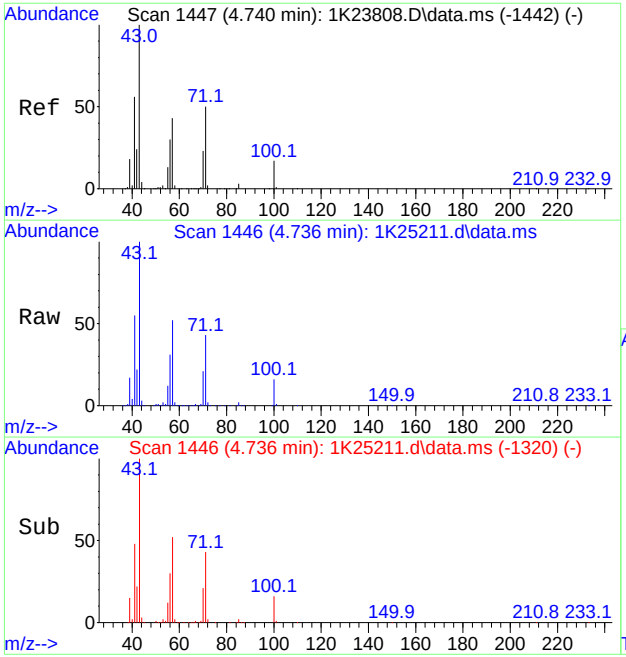


#54
tert-amyl methyl ether
Concen: 43.3385 ug/L
RT: 4.833 min Scan# 1476
Delta R.T. 0.003 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion: 73 Resp: 920974

Ion	Ratio	Lower	Upper
73	100		
55	25.7	7.0	47.0
87	22.9	4.4	44.4

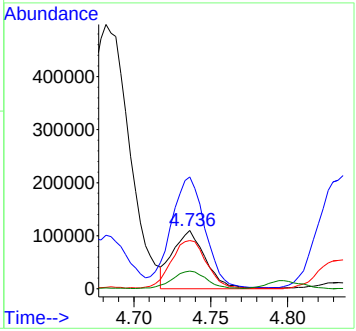


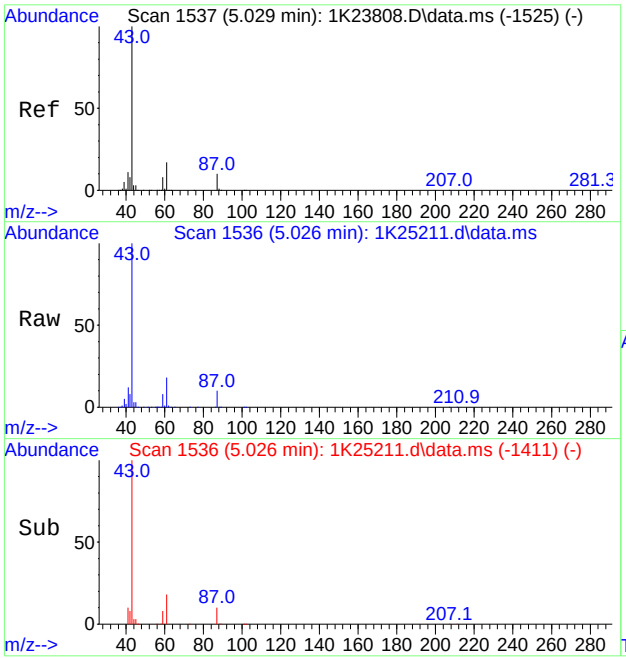


#55
heptane
Concen: 42.6669 ug/L
RT: 4.736 min Scan# 1446
Delta R.T. 0.006 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion: 57 Resp: 164503

Ion	Ratio	Lower	Upper
57	100		
43	190.2	165.6	225.6
71	82.9	61.2	121.2
100	24.1	0.0	55.6

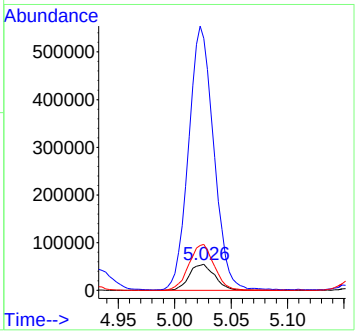


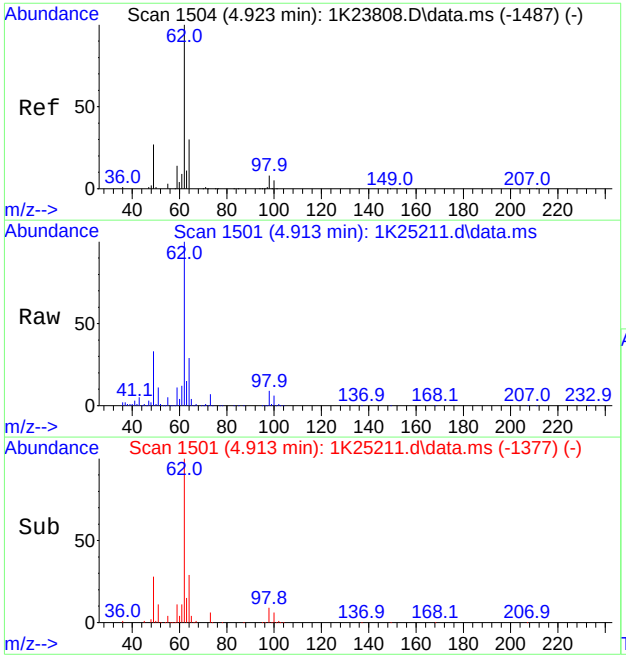


#56
isopropyl acetate
Concen: 45.0905 ug/L
RT: 5.026 min Scan# 1536
Delta R.T. 0.003 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion: 87 Resp: 86765

Ion	Ratio	Lower	Upper
87	100		
43	962.1	998.2	1058.2#
61	175.5	147.0	207.0

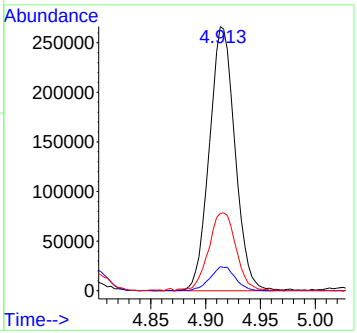


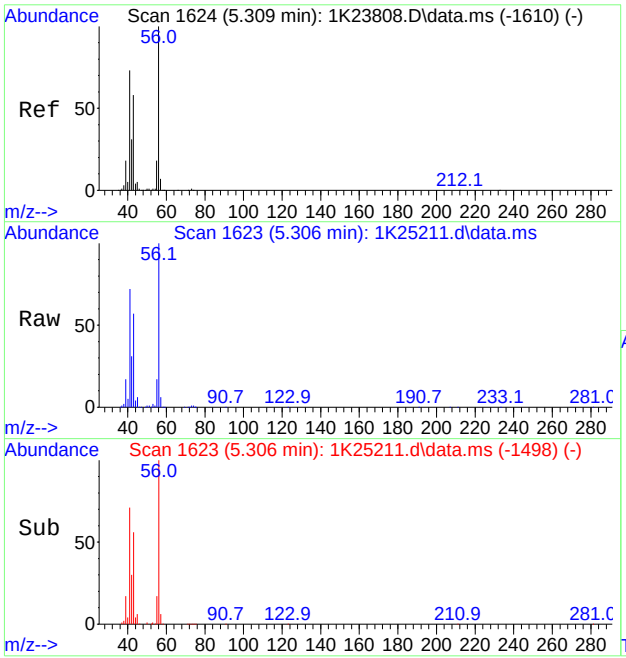


#57
1,2-dichloroethane
Concen: 41.3375 ug/L
RT: 4.913 min Scan# 1501
Delta R.T. -0.000 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion: 62 Resp: 432230

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	38.3
64	29.3	0.4	60.4

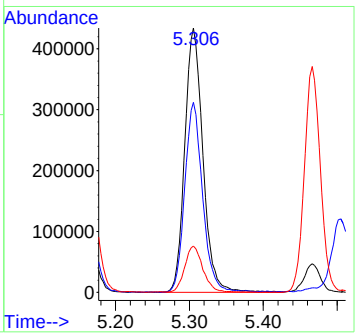


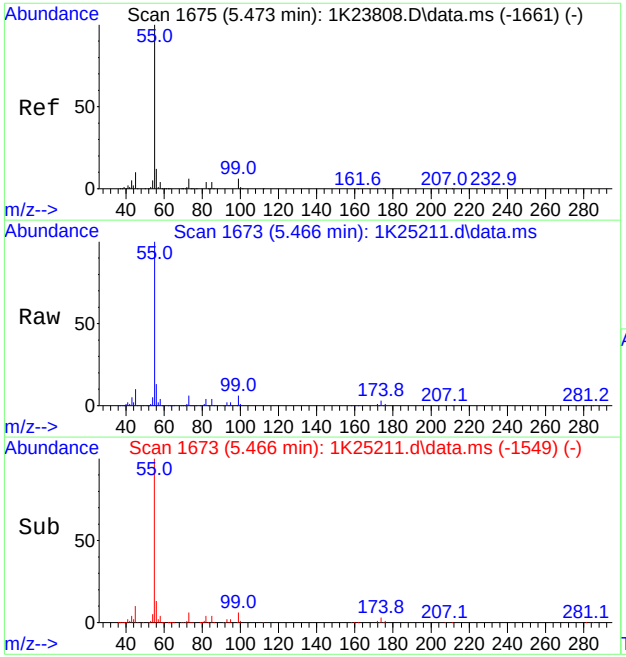


#58
n-butyl alcohol
Concen: 4071.7468 ug/L
RT: 5.306 min Scan# 1623
Delta R.T. 0.003 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion: 56 Resp: 742693

Ion	Ratio	Lower	Upper
56	100		
41	71.9	53.5	93.5
55	17.4	0.0	38.0

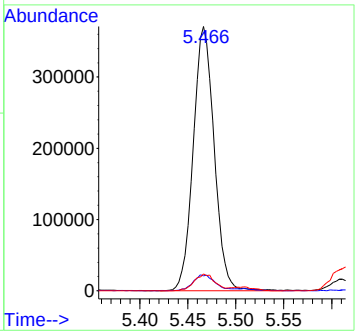


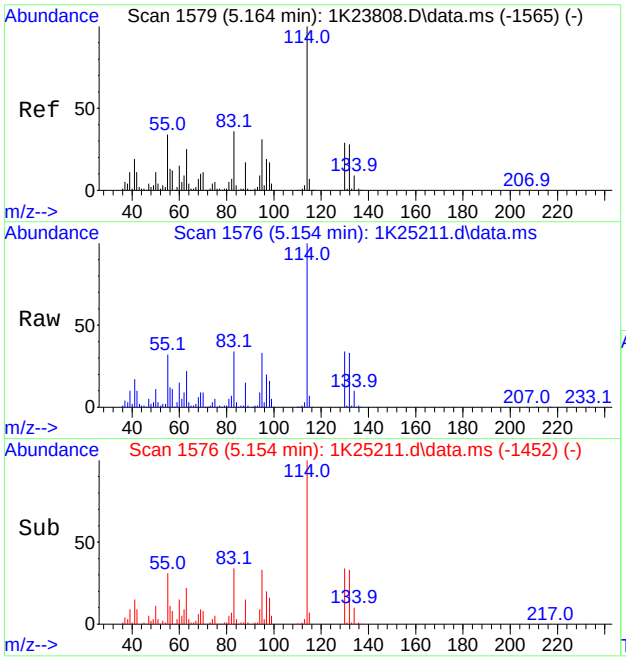


#59
ethyl acrylate
Concen: 43.6656 ug/L
RT: 5.466 min Scan# 1673
Delta R.T. -0.000 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion: 55 Resp: 564192

Ion	Ratio	Lower	Upper
55	100		
73	5.6	0.0	35.8
99	6.4	0.0	35.9

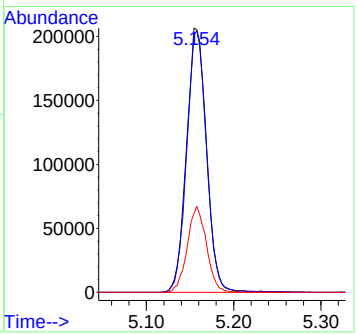


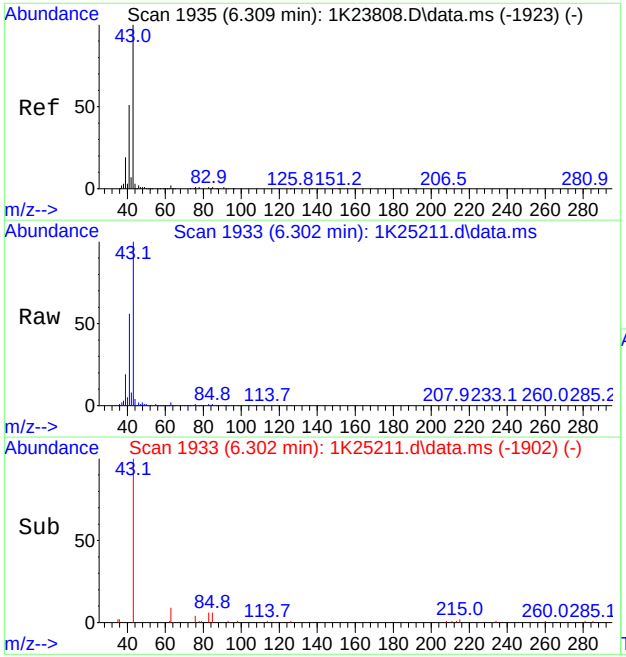


#60
trichloroethene
Concen: 50.7496 ug/L
RT: 5.154 min Scan# 1576
Delta R.T. -0.000 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion:130 Resp: 330053

Ion	Ratio	Lower	Upper
130	100		
132	97.3	66.4	126.4
134	29.9	0.0	59.6

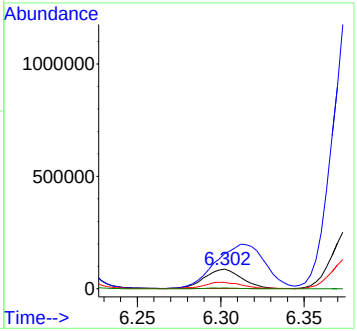


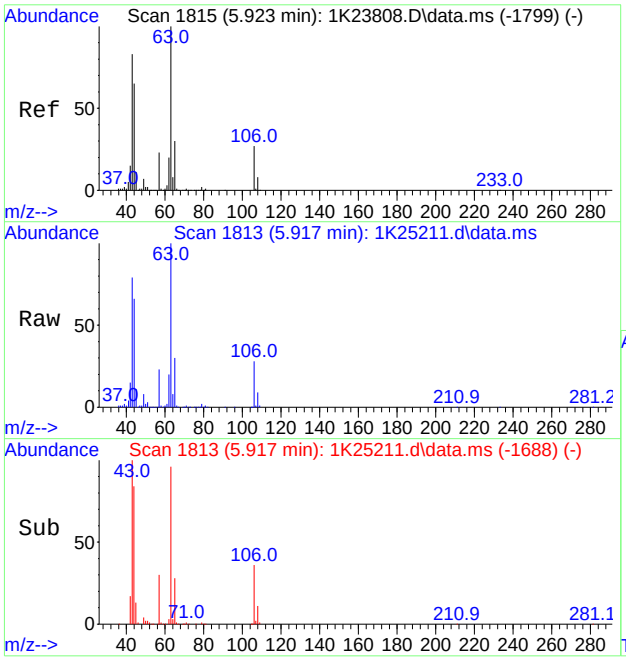


#61
2-nitropropane
Concen: 41.6915 ug/L
RT: 6.302 min Scan# 1933
Delta R.T. -0.000 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion: 41 Resp: 130037

Ion	Ratio	Lower	Upper
41	100		
43	181.8	164.7	224.7
39	33.4	6.3	66.3
46	4.0	0.0	33.8

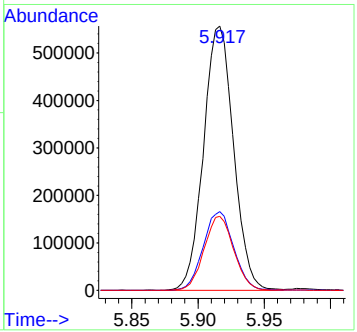


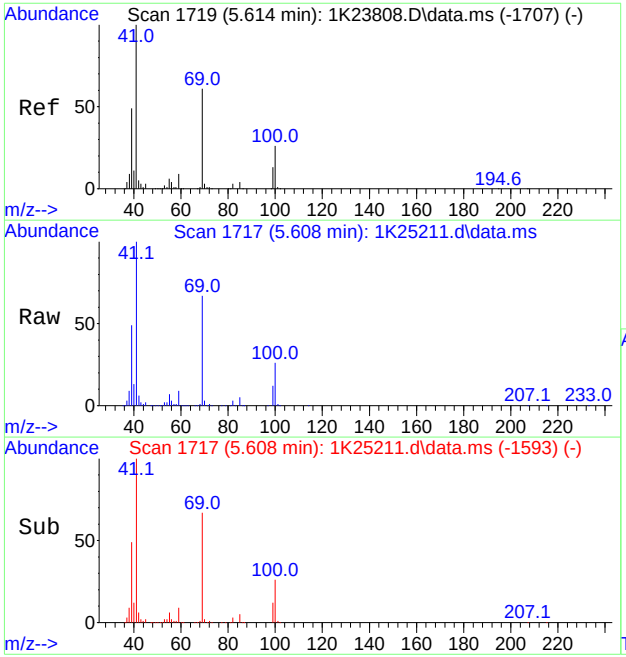


#62
2-chloroethyl vinyl ether
Concen: 190.0509 ug/L
RT: 5.917 min Scan# 1813
Delta R.T. 0.003 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion: 63 Resp: 878353

Ion	Ratio	Lower	Upper
63	100		
65	29.8	0.4	60.4
106	28.0	0.0	57.4

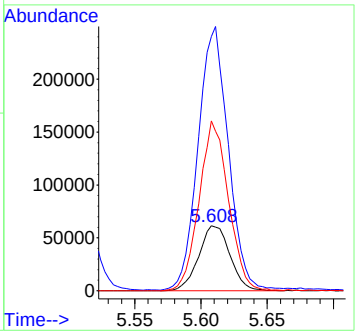


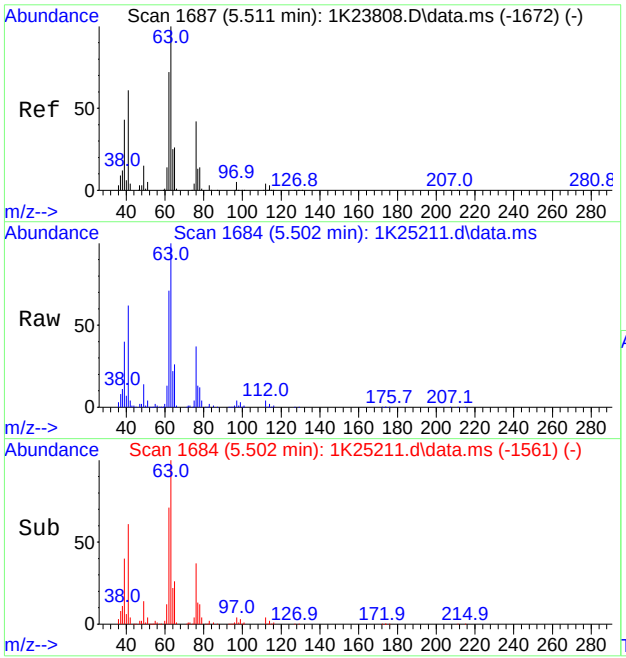


#63
methyl methacrylate
Concen: 44.6403 ug/L
RT: 5.608 min Scan# 1717
Delta R.T. -0.000 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion:100 Resp: 101077

Ion	Ratio	Lower	Upper
100	100		
41	390.4	352.7	412.7
69	261.6	201.8	261.8

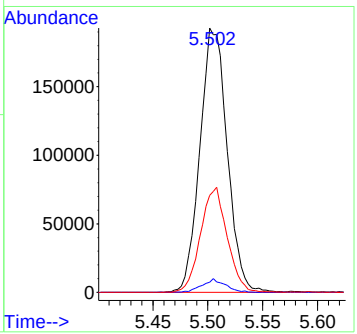


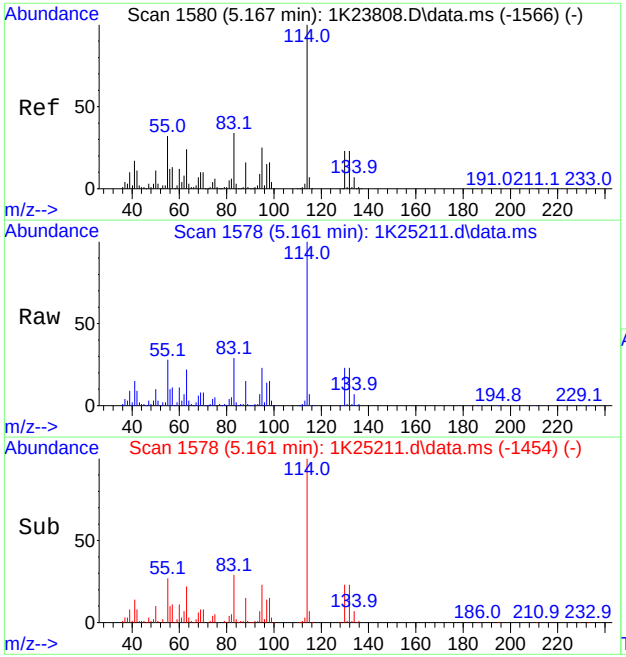


#64
1,2-dichloropropane
Concen: 46.4037 ug/L
RT: 5.502 min Scan# 1684
Delta R.T. -0.003 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion: 63 Resp: 334240

Ion	Ratio	Lower	Upper
63	100		
112	3.8	0.0	34.3
76	36.7	11.5	71.5

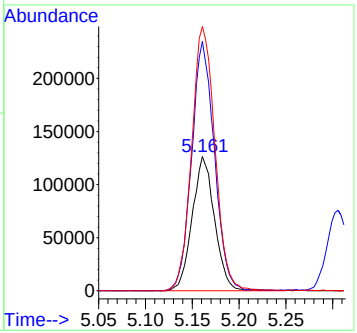


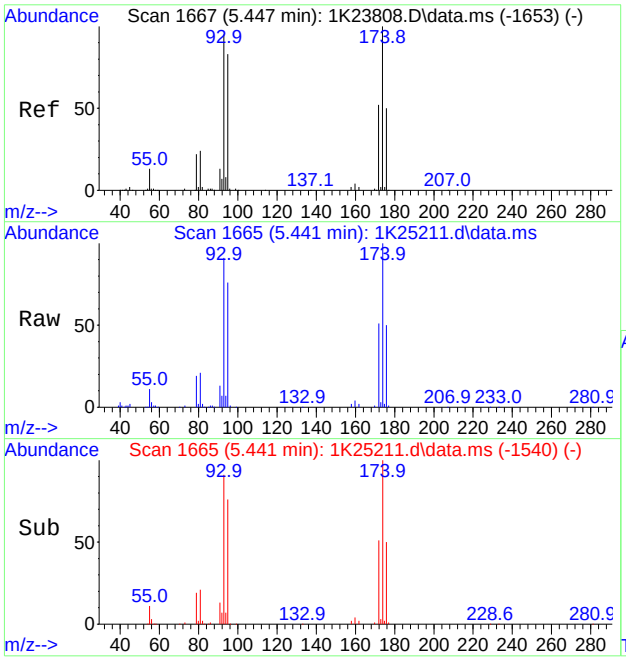


#65
methylcyclohexane
Concen: 44.6173 ug/L
RT: 5.161 min Scan# 1578
Delta R.T. -0.000 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion: 98 Resp: 210046

Ion	Ratio	Lower	Upper
98	100		
55	185.9	162.4	222.4
83	197.1	177.4	237.4

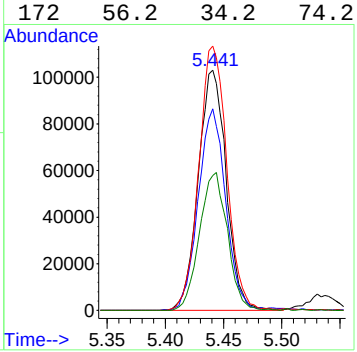


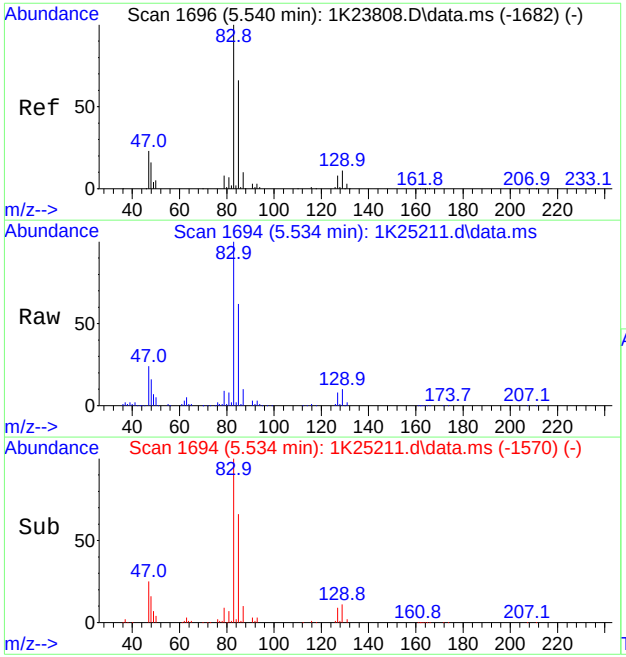


#66
dibromomethane
Concen: 44.2981 ug/L
RT: 5.441 min Scan# 1665
Delta R.T. 0.003 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion: 93 Resp: 172448

Ion	Ratio	Lower	Upper
93	100		
95	84.0	57.5	117.5
174	110.1	75.1	135.1
172	56.2	34.2	74.2

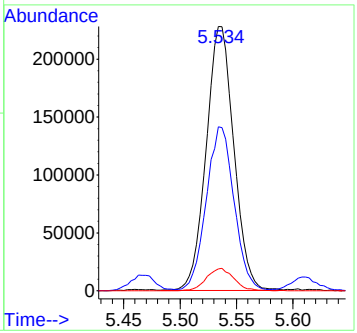


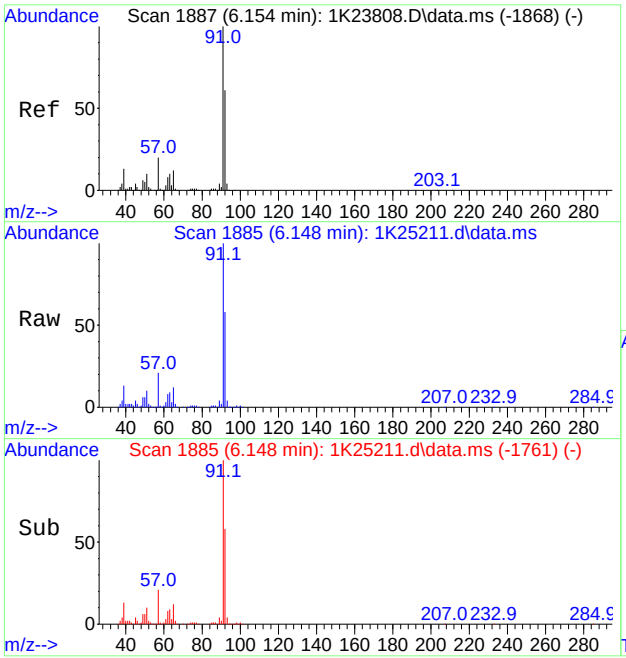


#67
bromodichloromethane
Concen: 44.0570 ug/L
RT: 5.534 min Scan# 1694
Delta R.T. -0.000 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion: 83 Resp: 387407

Ion	Ratio	Lower	Upper
83	100		
85	60.7	35.5	95.5
127	8.3	0.0	37.9

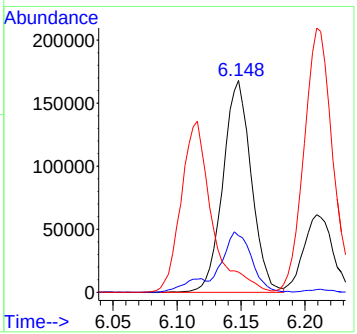


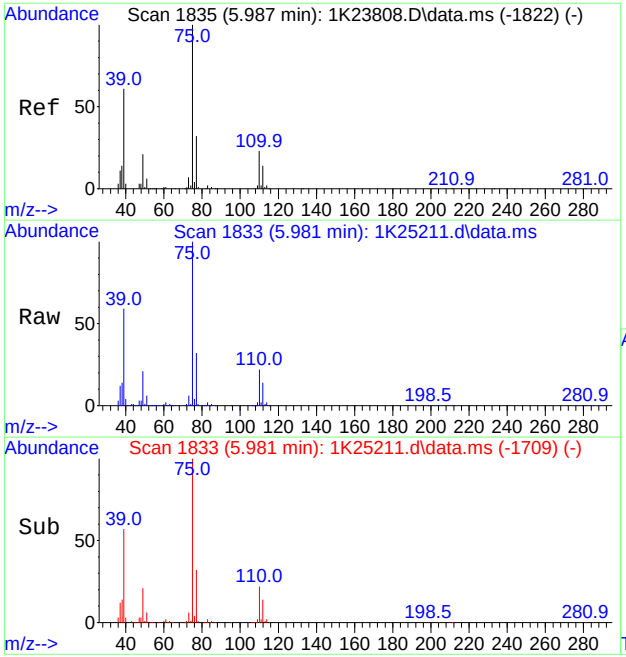


#68
epichlorohydrin
Concen: 244.9727 ug/L
RT: 6.148 min Scan# 1885
Delta R.T. -0.000 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion: 57 Resp: 259534

Ion	Ratio	Lower	Upper
57	100		
49	26.5	8.2	48.2
42	7.5	0.0	27.5

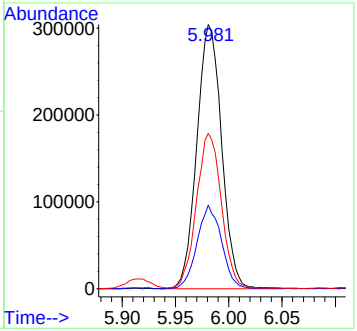


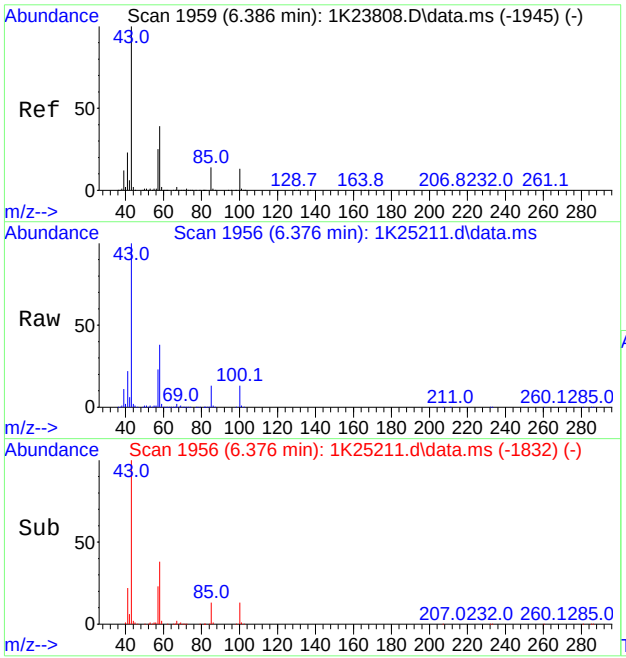


#69
cis-1,3-dichloropropene
Concen: 45.8710 ug/L
RT: 5.981 min Scan# 1833
Delta R.T. -0.000 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion: 75 Resp: 493206

Ion	Ratio	Lower	Upper
75	100		
77	31.6	2.2	62.2
39	58.6	31.6	91.6

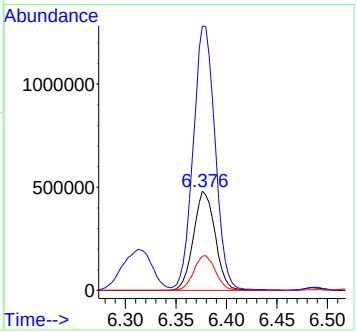


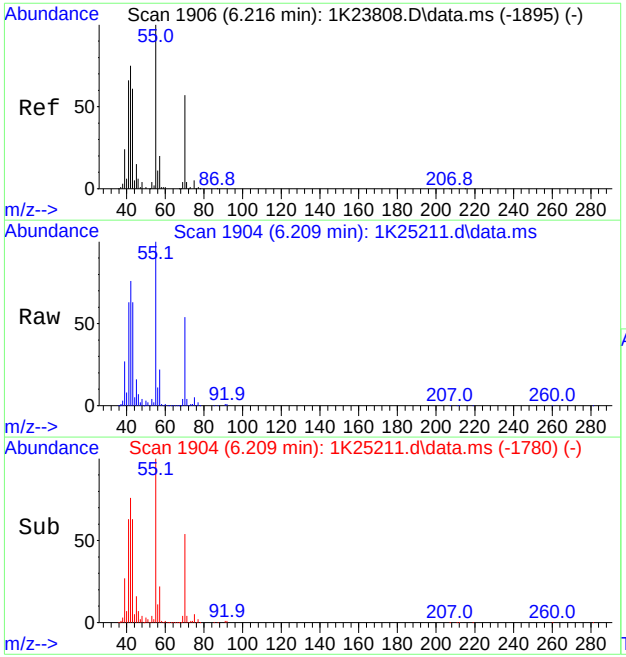


#70
4-methyl-2-pentanone
Concen: 173.6624 ug/L
RT: 6.376 min Scan# 1956
Delta R.T. -0.000 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion: 58 Resp: 717201

Ion	Ratio	Lower	Upper
58	100		
43	266.1	235.3	295.3
100	34.5	2.2	62.2

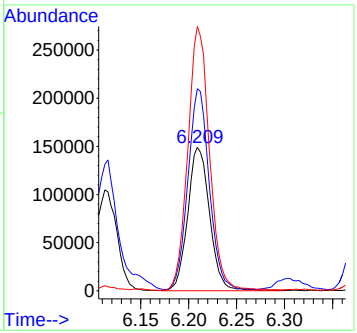


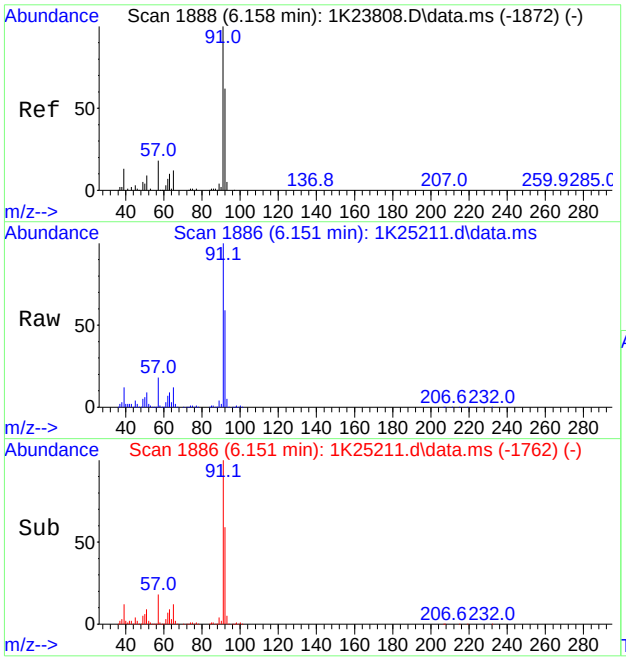


#71
3-methyl-1-butanol
Concen: 1270.6013 ug/L
RT: 6.209 min Scan# 1904
Delta R.T. -0.000 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion: 70 Resp: 237489

Ion	Ratio	Lower	Upper
70	100		
42	139.6	103.4	163.4
55	184.3	146.9	206.9

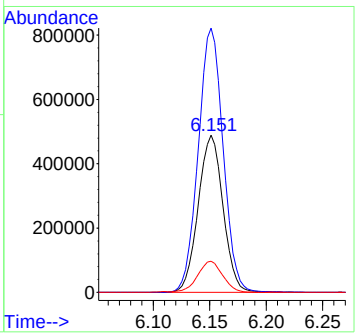


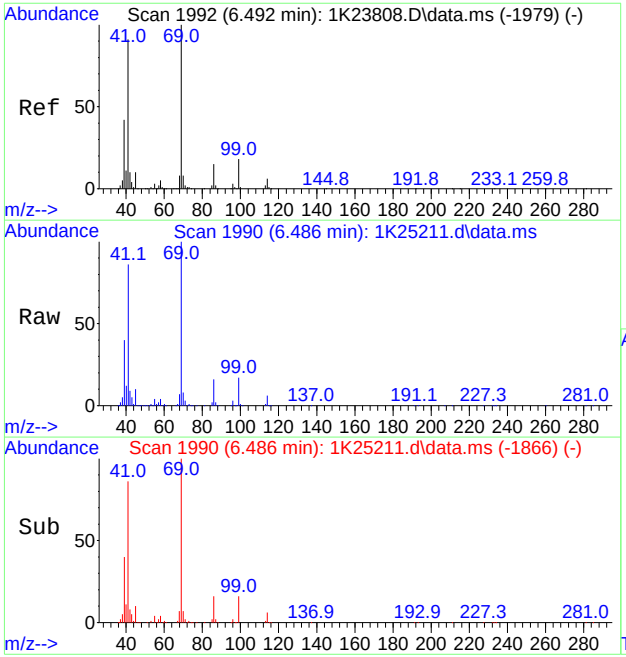


#74
toluene
Concen: 44.7239 ug/L
RT: 6.151 min Scan# 1886
Delta R.T. -0.000 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion: 92 Resp: 745228

Ion	Ratio	Lower	Upper
92	100		
91	168.2	140.0	180.0
65	19.8	0.0	39.6

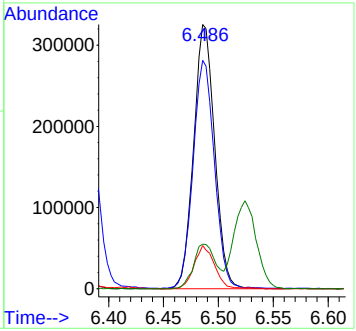


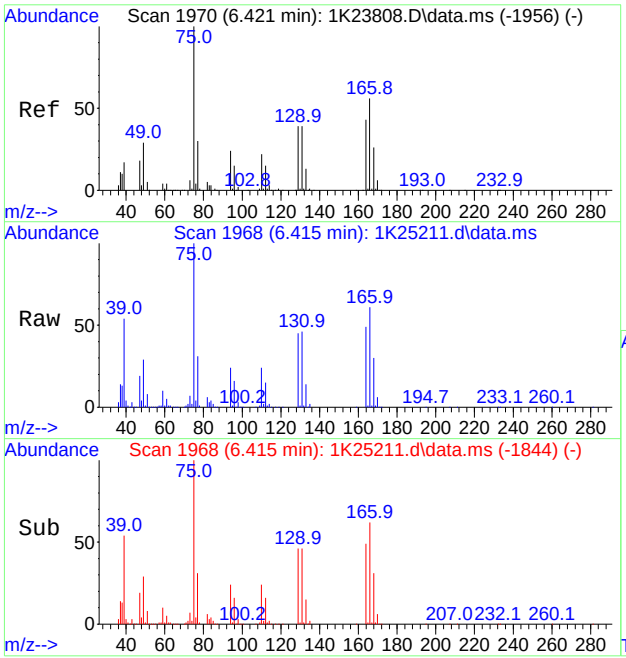


#75
ethyl methacrylate
Concen: 44.4249 ug/L
RT: 6.486 min Scan# 1990
Delta R.T. -0.000 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion: 69 Resp: 434296

Ion	Ratio	Lower	Upper
69	100		
41	86.2	71.2	111.2
86	16.3	0.0	35.1
99	16.9	0.0	38.4

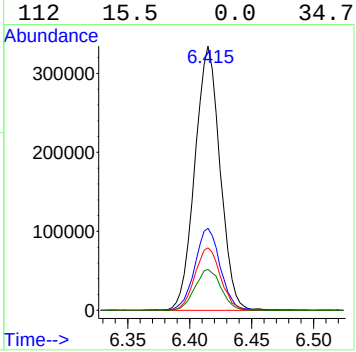


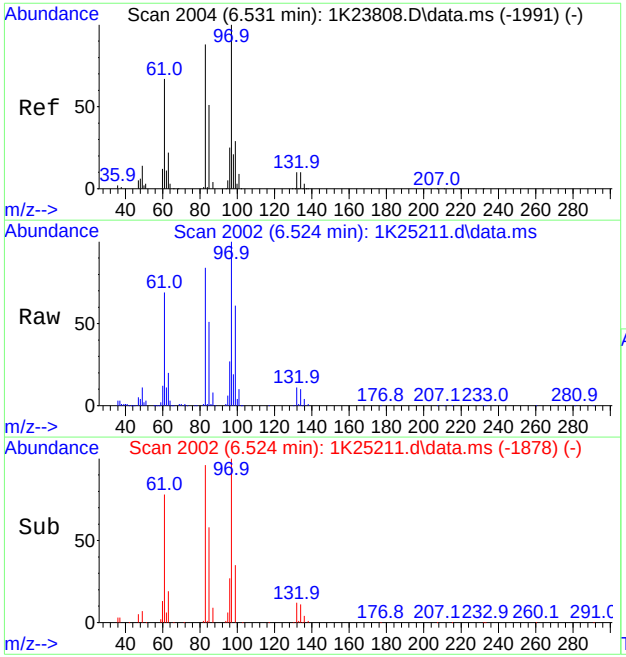


#76
trans-1,3-dichloropropene
Concen: 43.7877 ug/L
RT: 6.415 min Scan# 1968
Delta R.T. -0.000 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion: 75 Resp: 472721

Ion	Ratio	Lower	Upper
75	100		
77	30.9	10.4	50.4
110	23.6	2.4	42.4
112	15.5	0.0	34.7

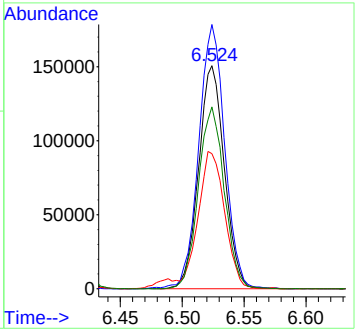


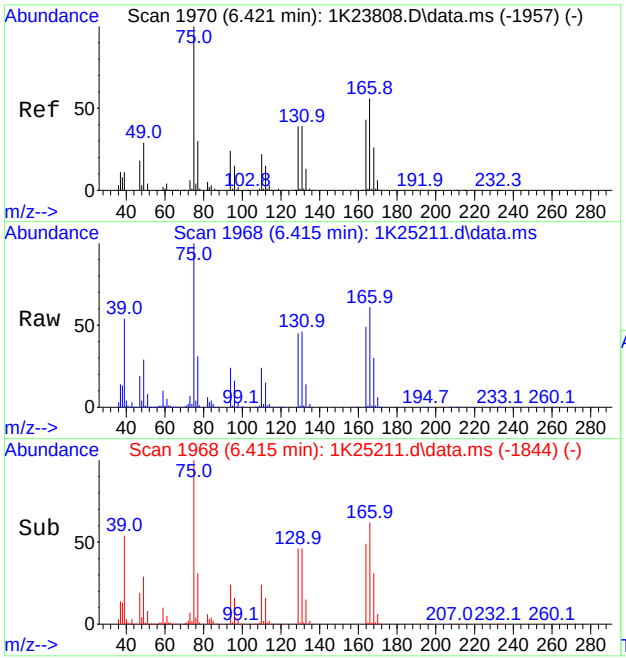


#77
1,1,2-trichloroethane
Concen: 46.2893 ug/L
RT: 6.524 min Scan# 2002
Delta R.T. -0.000 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion: 83 Resp: 218514

Ion	Ratio	Lower	Upper
83	100		
97	118.3	94.4	134.4
85	60.6	41.5	81.5
61	81.6	56.0	96.0

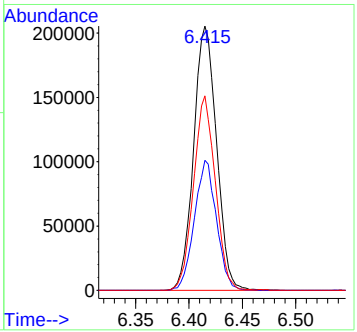


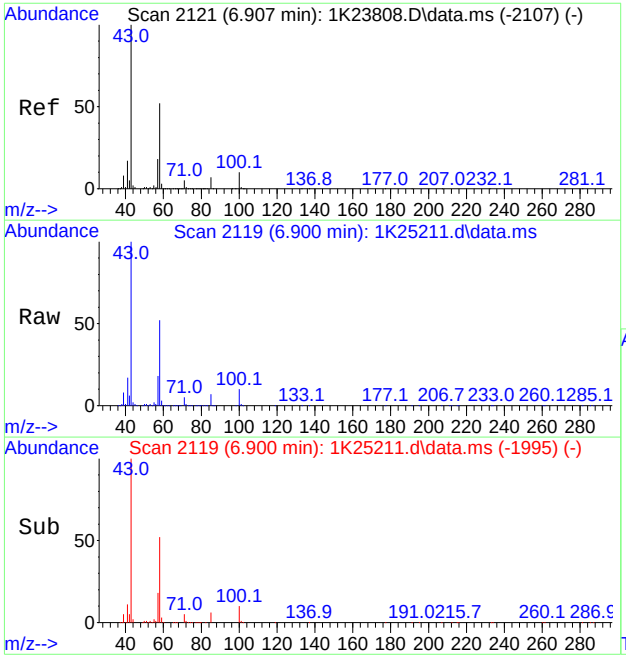


#78
tetrachloroethene
Concen: 47.5200 ug/L
RT: 6.415 min Scan# 1968
Delta R.T. -0.000 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion:166 Resp: 307620

Ion	Ratio	Lower	Upper
166	100		
168	49.2	17.0	77.0
129	73.6	39.8	99.8

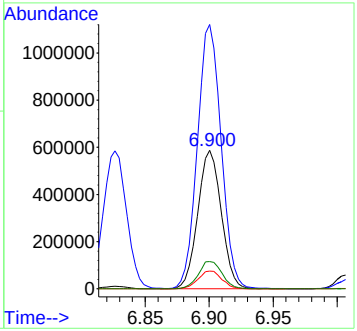


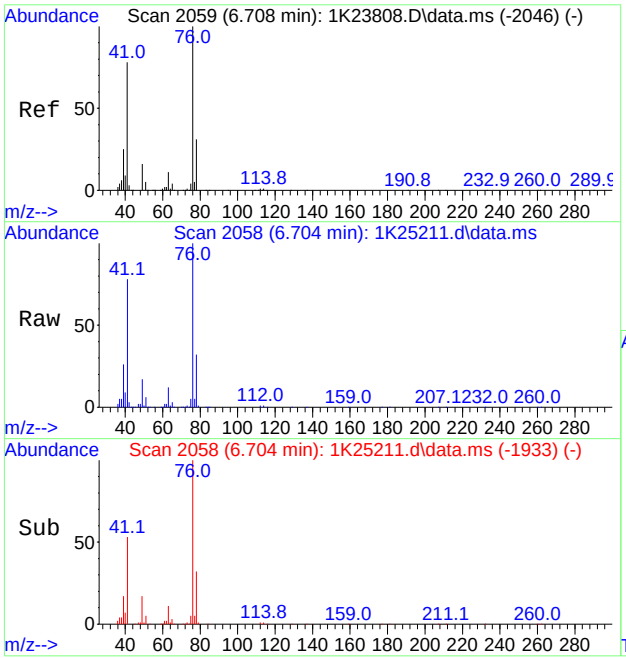


#79
2-hexanone
Concen: 171.3221 ug/L
RT: 6.900 min Scan# 2119
Delta R.T. -0.000 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion: 58 Resp: 751399

Ion	Ratio	Lower	Upper
58	100		
43	190.9	172.5	212.5
85	12.8	0.0	32.5
100	19.7	0.0	39.5

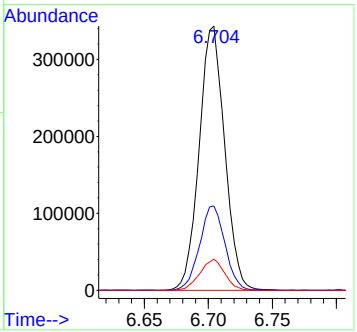


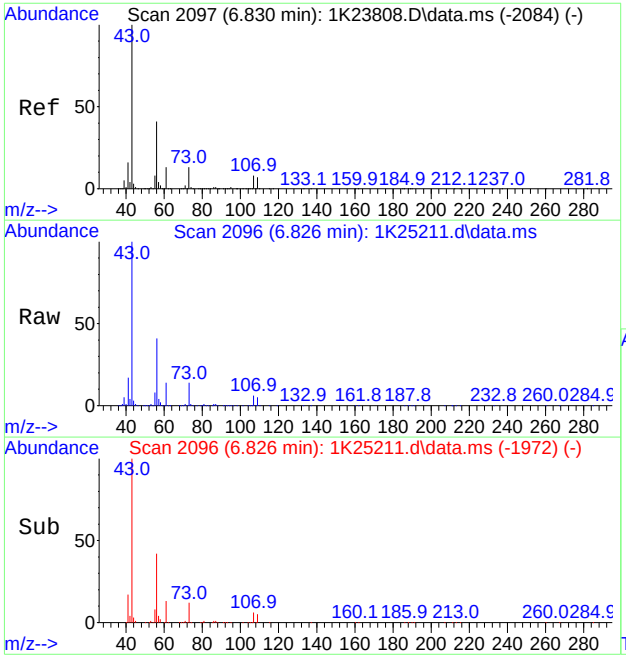


#80
1,3-dichloropropane
Concen: 45.0765 ug/L
RT: 6.704 min Scan# 2058
Delta R.T. 0.003 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion: 76 Resp: 476449

Ion	Ratio	Lower	Upper
76	100		
78	31.8	0.6	60.6
63	11.8	0.0	41.5

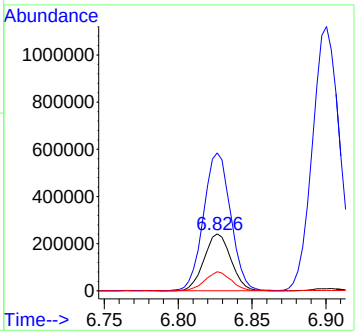


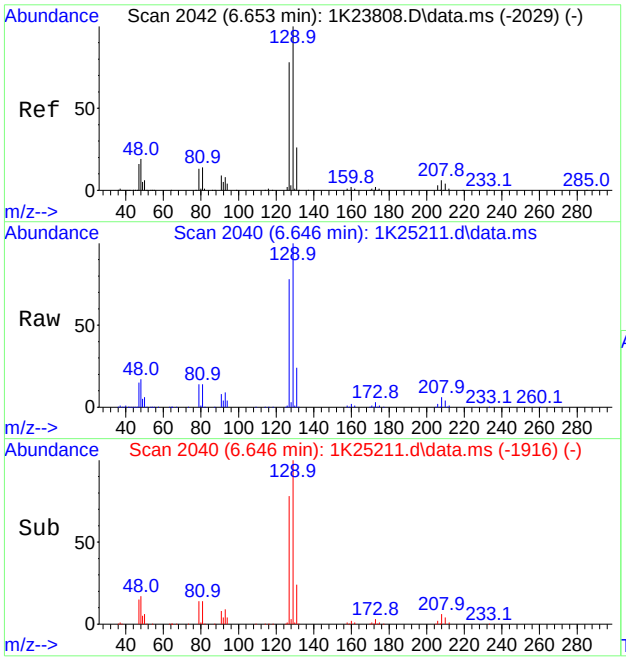


#81
butyl acetate
Concen: 43.0393 ug/L
RT: 6.826 min Scan# 2096
Delta R.T. -0.000 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion: 56 Resp: 305963

Ion	Ratio	Lower	Upper
56	100		
43	241.7	215.3	275.3
73	33.1	2.2	62.2

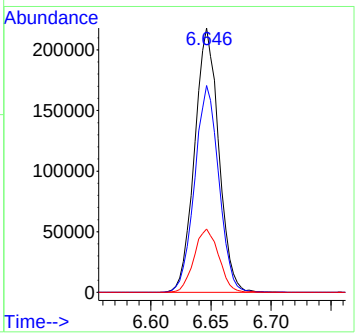


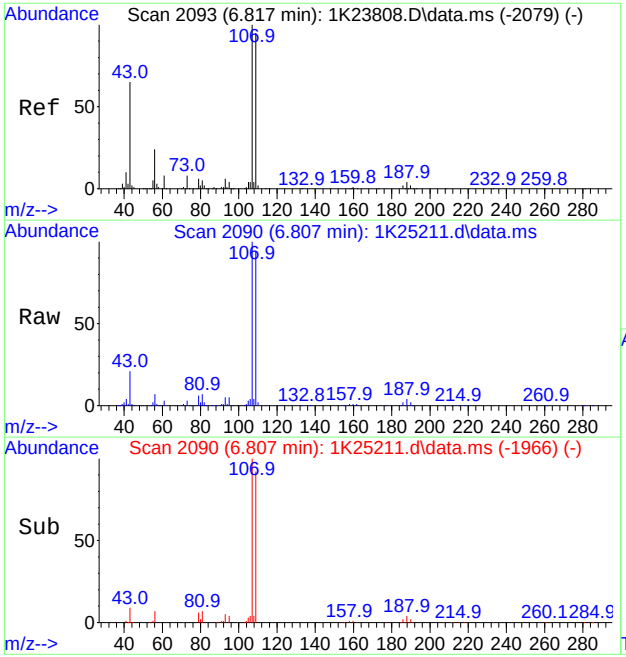


#82
dibromochloromethane
Concen: 45.7528 ug/L
RT: 6.646 min Scan# 2040
Delta R.T. -0.000 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion:129 Resp: 303997

Ion	Ratio	Lower	Upper
129	100		
127	78.2	47.8	107.8
131	24.0	0.0	55.8

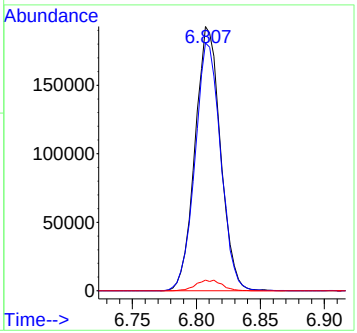


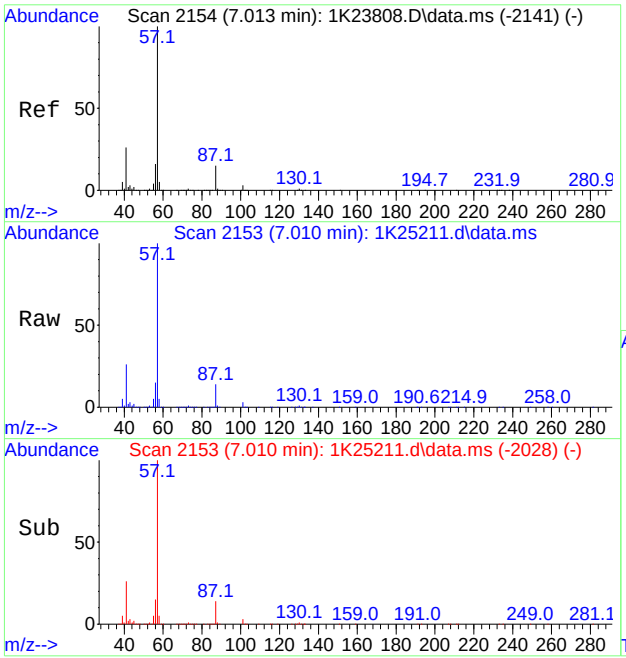


#83
1,2-dibromoethane
Concen: 44.6806 ug/L
RT: 6.807 min Scan# 2090
Delta R.T. -0.000 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion:107 Resp: 266779

Ion	Ratio	Lower	Upper
107	100		
109	93.7	65.3	125.3
188	4.0	0.0	33.6

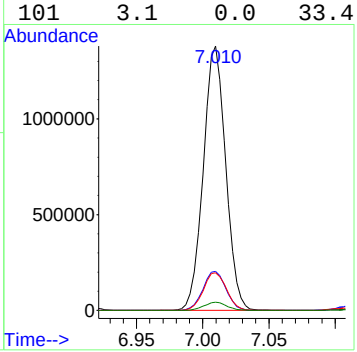


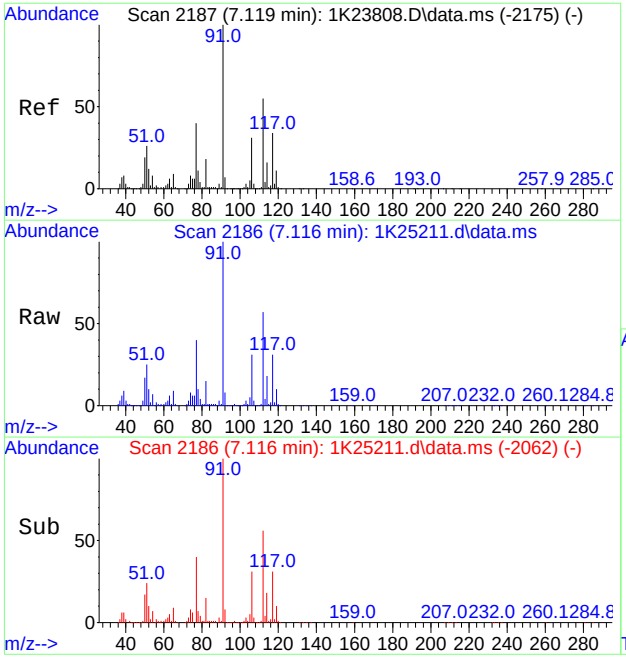


#84
n-butyl ether
Concen: 46.3510 ug/L
RT: 7.010 min Scan# 2153
Delta R.T. 0.003 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion: 57 Resp: 1624524

Ion	Ratio	Lower	Upper
57	100		
56	14.8	0.0	45.7
87	14.2	0.0	44.9
101	3.1	0.0	33.4

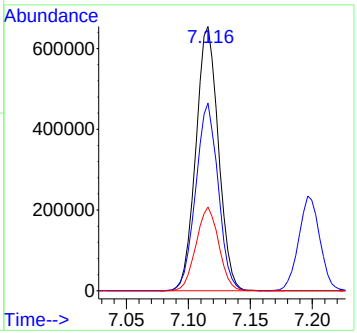


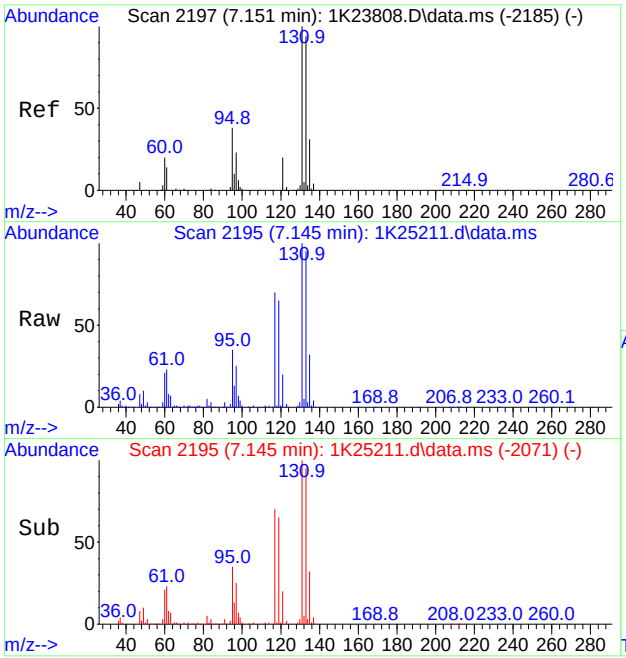


#85
chlorobenzene
Concen: 48.0441 ug/L
RT: 7.116 min Scan# 2186
Delta R.T. -0.000 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion:112 Resp: 828139

Ion	Ratio	Lower	Upper
112	100		
77	71.0	43.7	103.7
114	31.7	0.0	59.8

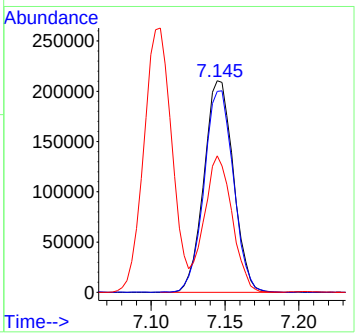


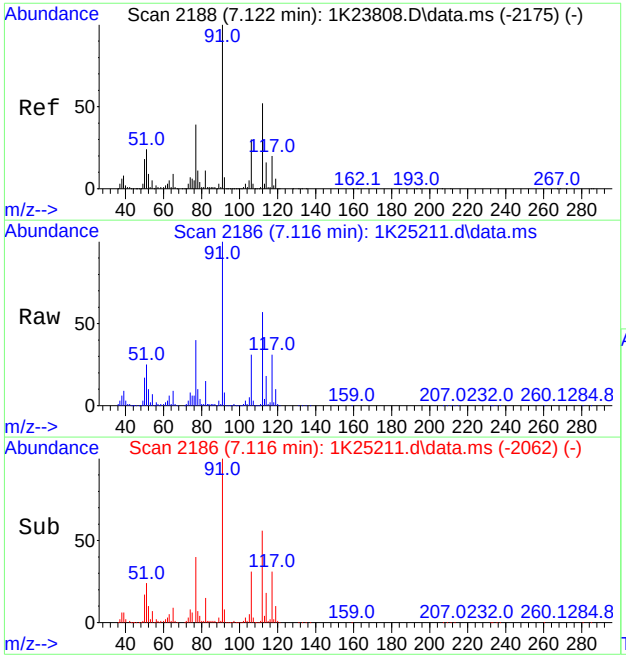


#86
1,1,1,2-tetrachloroethane
Concen: 45.8417 ug/L
RT: 7.145 min Scan# 2195
Delta R.T. -0.000 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion:131 Resp: 290842

Ion	Ratio	Lower	Upper
131	100		
133	95.1	64.3	124.3
119	64.5	27.7	87.7

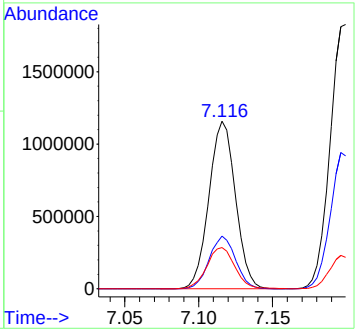


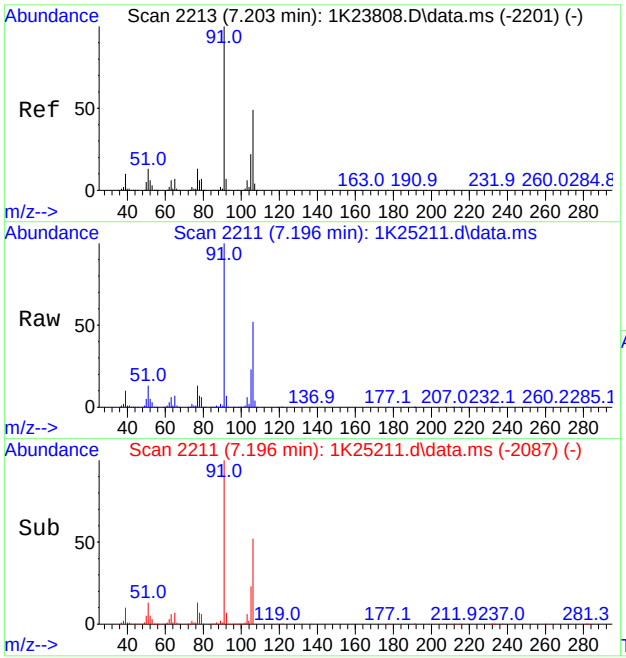


#87
ethylbenzene
Concen: 45.5836 ug/L
RT: 7.116 min Scan# 2186
Delta R.T. -0.000 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion: 91 Resp: 1442014

Ion	Ratio	Lower	Upper
91	100		
106	31.5	0.3	60.3
51	24.6	0.0	54.3

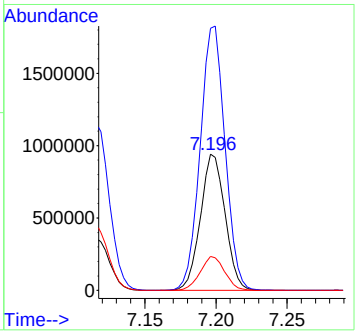


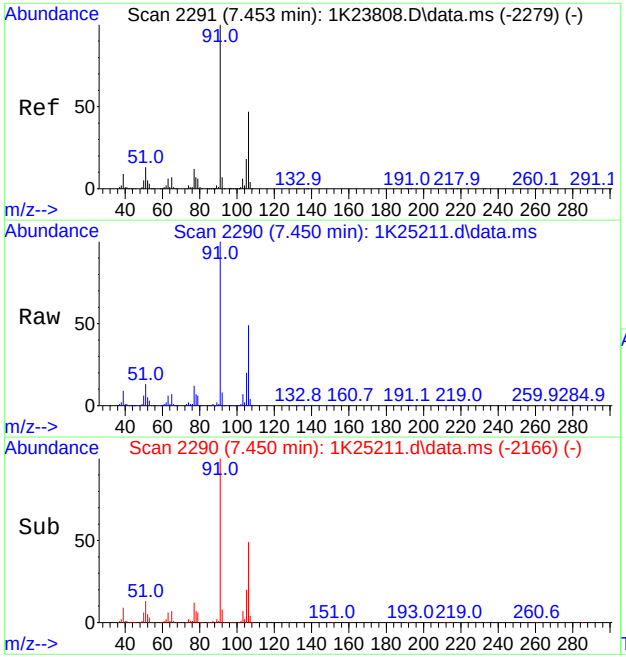


#88
m,p-xylene
Concen: 95.2482 ug/L
RT: 7.196 min Scan# 2211
Delta R.T. -0.000 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion:106 Resp: 1131293

Ion	Ratio	Lower	Upper
106	100		
91	192.5	176.0	236.0
77	24.9	5.9	45.9

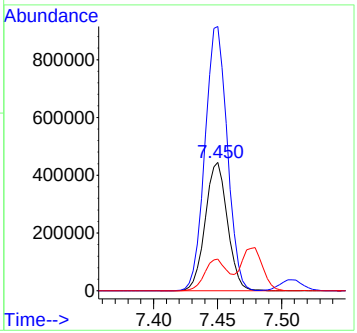


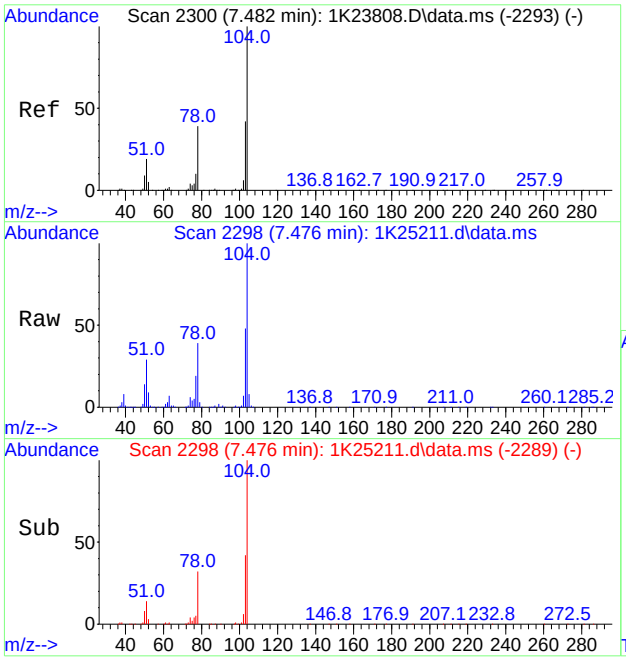


#89
o-xylene
Concen: 47.2767 ug/L
RT: 7.450 min Scan# 2290
Delta R.T. -0.000 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion:106 Resp: 537016

Ion	Ratio	Lower	Upper
106	100		
91	206.0	183.9	243.9
77	24.6	5.0	45.0

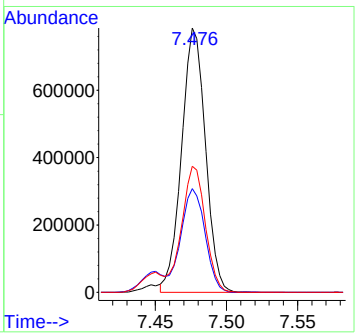


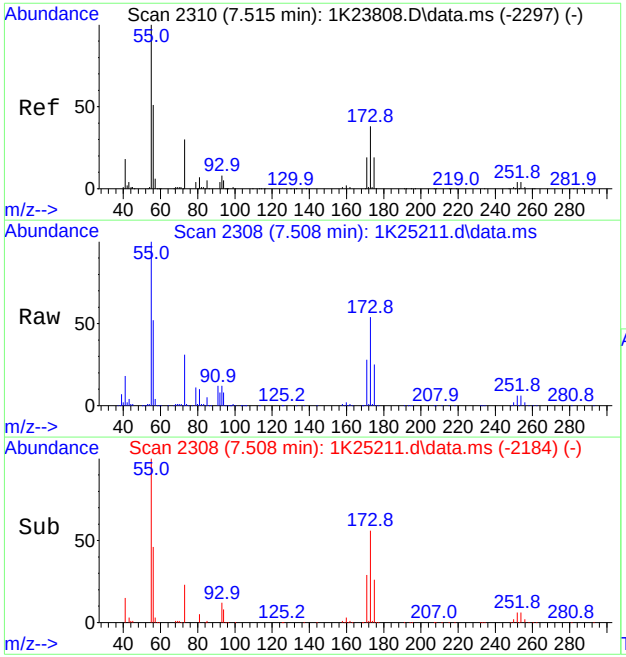


#90
styrene
Concen: 47.6544 ug/L
RT: 7.476 min Scan# 2298
Delta R.T. -0.000 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion:104 Resp: 914493

Ion	Ratio	Lower	Upper
104	100		
78	39.2	13.8	73.8
103	47.7	16.3	76.3

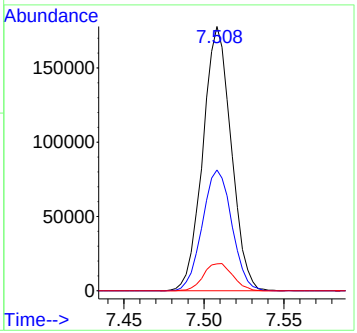


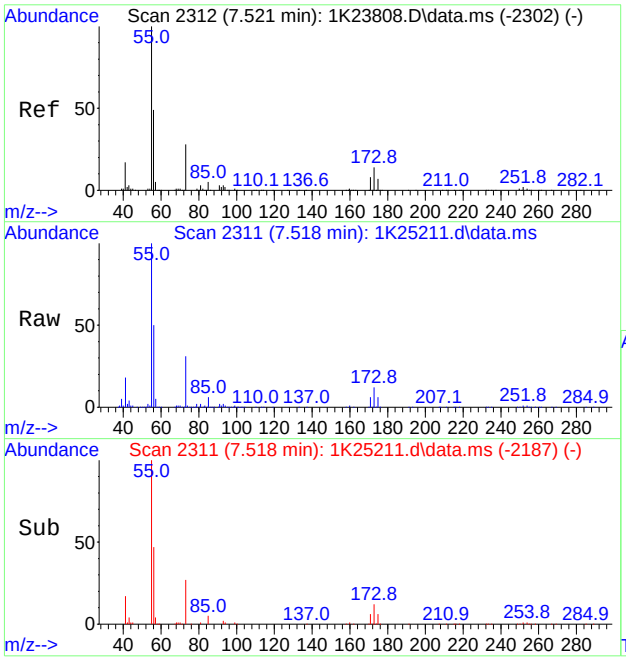


#91
bromoform
Concen: 46.3077 ug/L
RT: 7.508 min Scan# 2308
Delta R.T. -0.000 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion:173 Resp: 219313

Ion	Ratio	Lower	Upper
173	100		
175	45.7	20.6	80.6
254	10.2	0.0	39.4

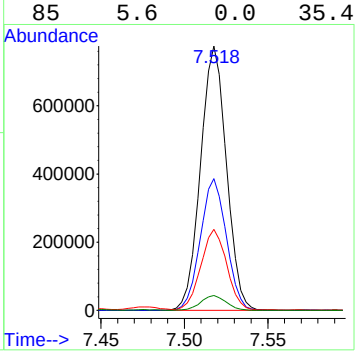


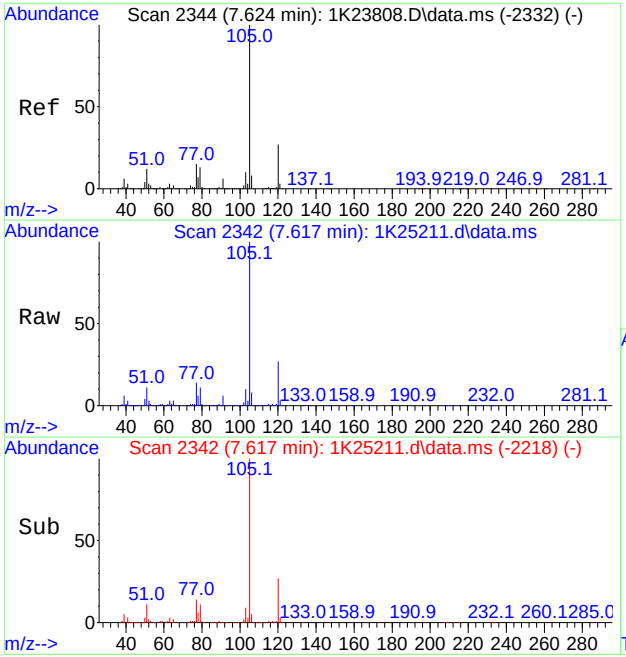


#92
butyl acrylate
Concen: 45.2238 ug/L
RT: 7.518 min Scan# 2311
Delta R.T. -0.000 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion: 55 Resp: 836401

Ion	Ratio	Lower	Upper
55	100		
56	49.8	19.2	79.2
73	30.5	0.0	59.1
85	5.6	0.0	35.4

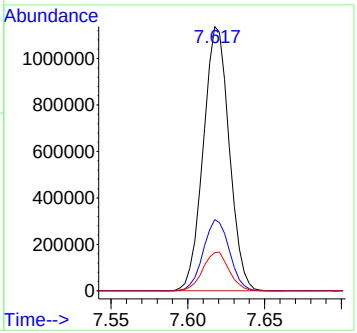


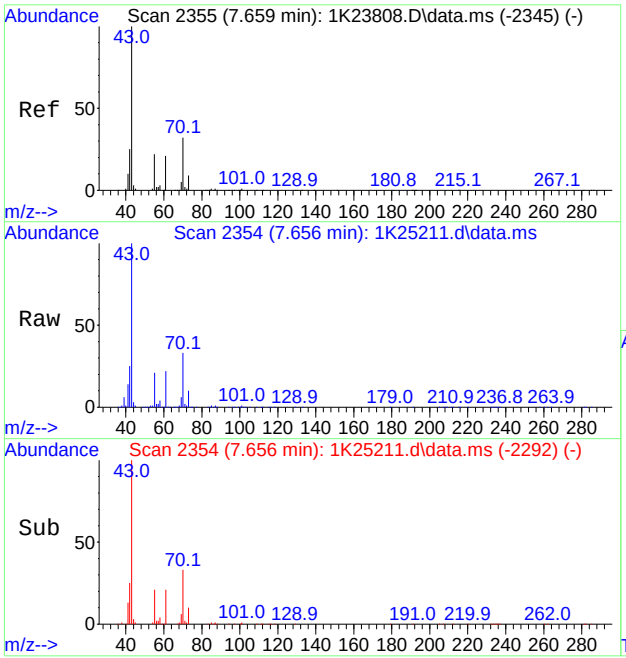


#93
isopropylbenzene
Concen: 47.4521 ug/L
RT: 7.617 min Scan# 2342
Delta R.T. -0.000 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion:105 Resp: 1337374

Ion	Ratio	Lower	Upper
105	100		
120	26.9	7.4	47.4
77	14.5	0.0	35.4

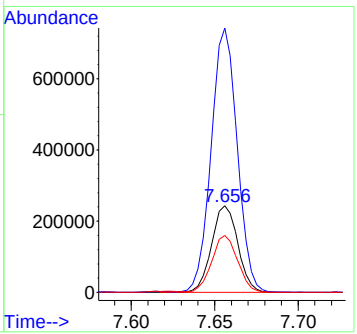


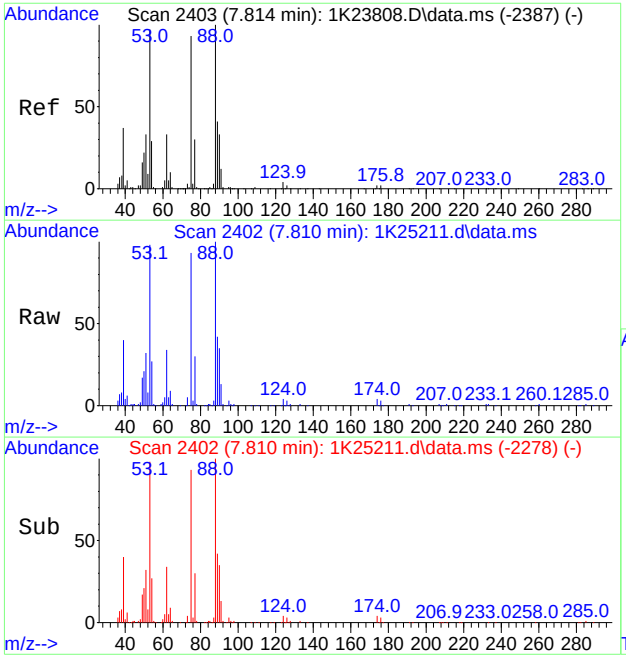


#94
n-amyl acetate
Concen: 43.7989 ug/L
RT: 7.656 min Scan# 2354
Delta R.T. -0.000 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion: 70 Resp: 266017

Ion	Ratio	Lower	Upper
70	100		
43	304.4	293.9	333.9
61	65.7	48.4	88.4

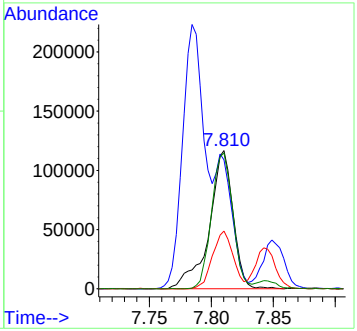


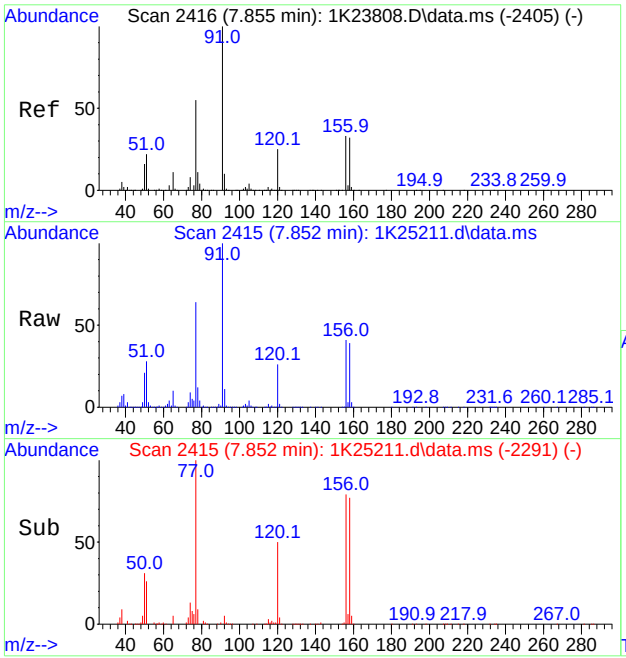


#95
cis-1,4-dichloro-2-butene
Concen: 36.8202 ug/L
RT: 7.810 min Scan# 2402
Delta R.T. -0.000 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion: 88 Resp: 157104

Ion	Ratio	Lower	Upper
88	100		
75	92.7	72.9	112.9
89	41.8	20.6	60.6
53	98.2	76.9	116.9

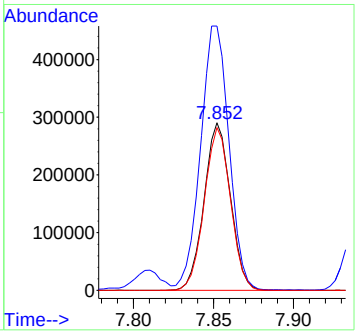


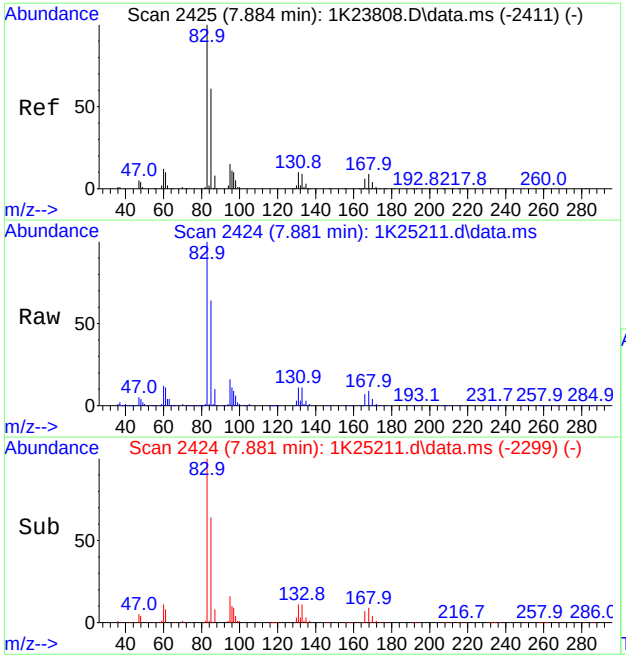


#98
bromobenzene
Concen: 45.7409 ug/L
RT: 7.852 min Scan# 2415
Delta R.T. -0.000 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion:156 Resp: 333072

Ion	Ratio	Lower	Upper
156	100		
77	157.3	150.1	210.1
158	97.1	66.6	126.6

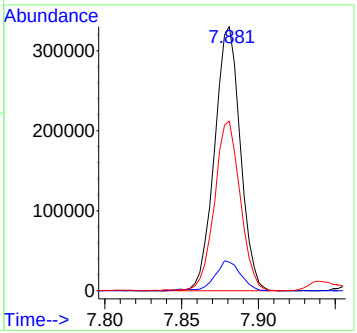


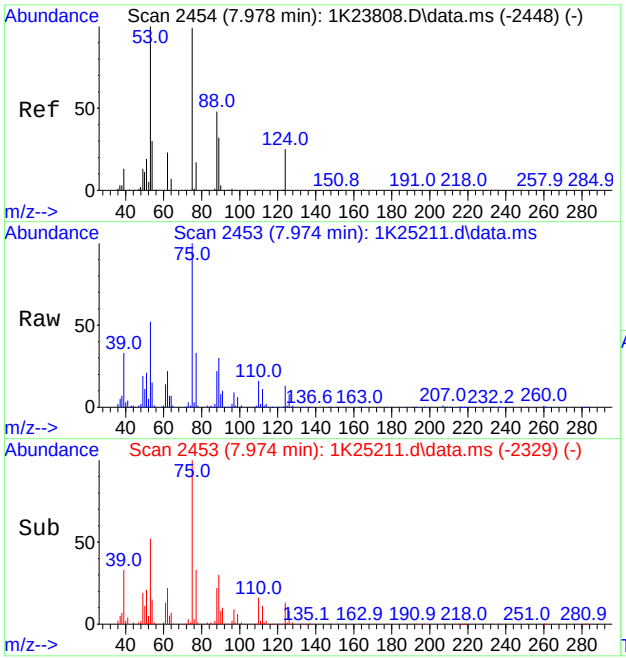


#99
1,1,2,2-tetrachloroethane
Concen: 42.4693 ug/L
RT: 7.881 min Scan# 2424
Delta R.T. 0.003 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion: 83 Resp: 385197

Ion	Ratio	Lower	Upper
83	100		
131	10.8	0.0	40.0
85	64.2	31.1	91.1

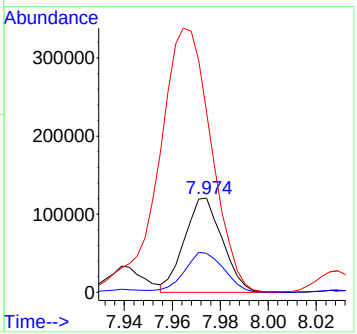


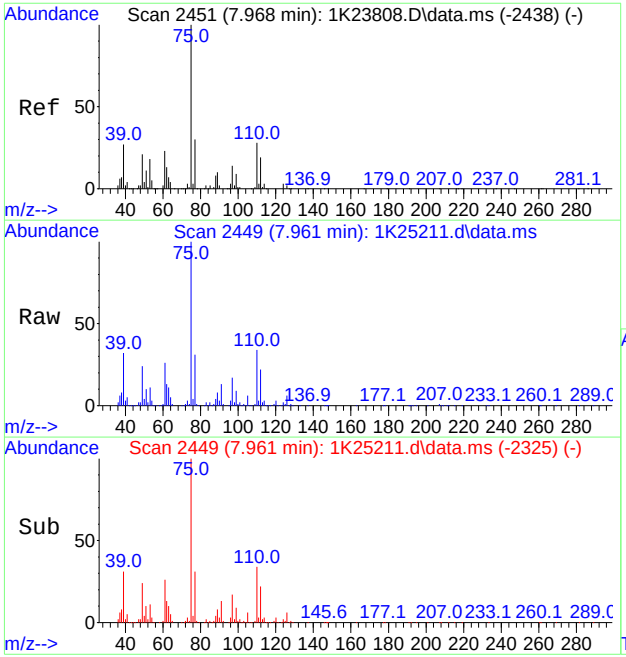


#100
trans-1,4-dichloro-2-butene
Concen: 32.5805 ug/L
RT: 7.974 min Scan# 2453
Delta R.T. -0.000 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion: 53 Resp: 132549

Ion	Ratio	Lower	Upper
53	100		
88	41.6	17.1	77.1
75	190.4	162.2	222.2

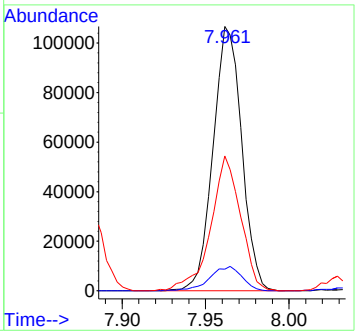


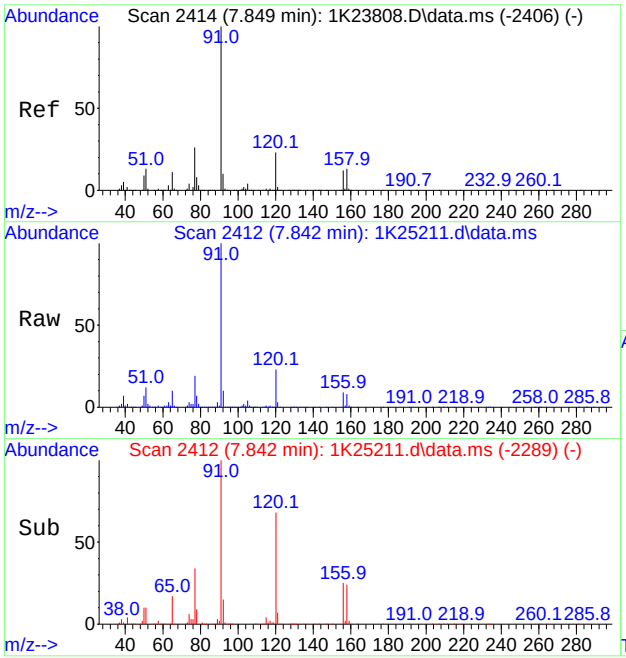


#101
1,2,3-trichloropropane
Concen: 41.9170 ug/L
RT: 7.961 min Scan# 2449
Delta R.T. -0.000 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion:110 Resp: 127144

Ion	Ratio	Lower	Upper
110	100		
111	8.2	0.0	39.1
97	51.0	20.8	80.8

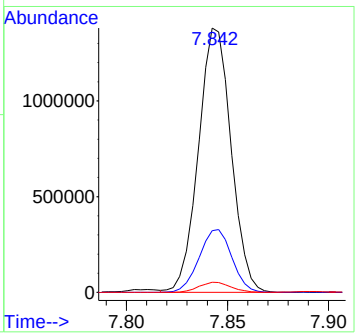


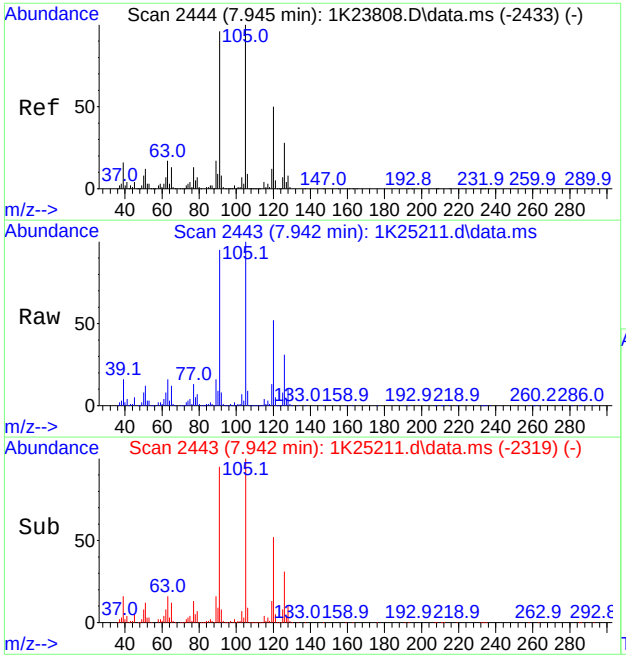


#102
n-propylbenzene
Concen: 45.9011 ug/L
RT: 7.842 min Scan# 2412
Delta R.T. -0.003 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion: 91 Resp: 1550156

Ion	Ratio	Lower	Upper
91	100		
120	23.3	0.0	52.5
105	3.9	0.0	33.5

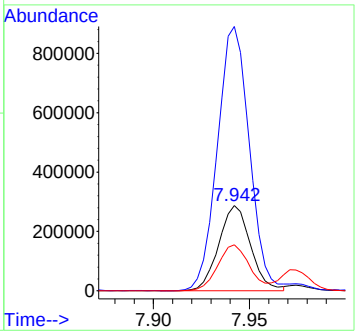


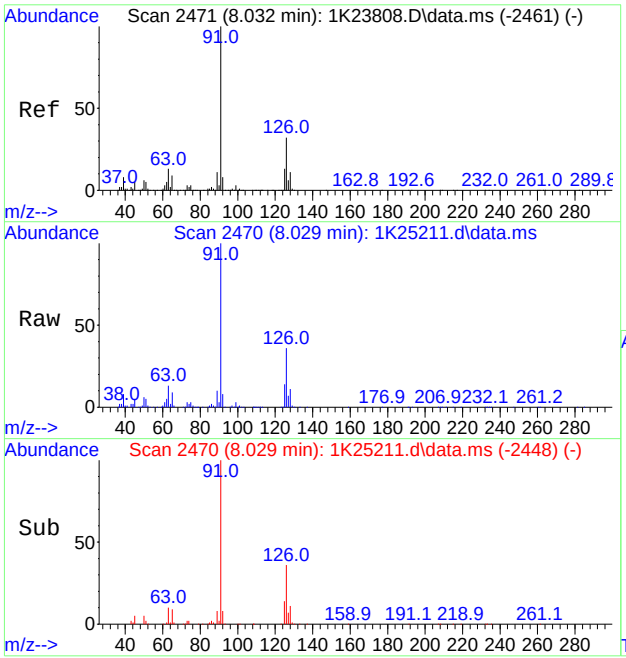


#103
2-chlorotoluene
Concen: 48.3270 ug/L
RT: 7.942 min Scan# 2443
Delta R.T. -0.000 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion:126 Resp: 331929

Ion	Ratio	Lower	Upper
126	100		
91	309.6	316.4	376.4#
89	53.8	33.0	93.0

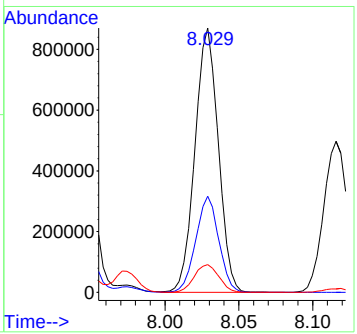


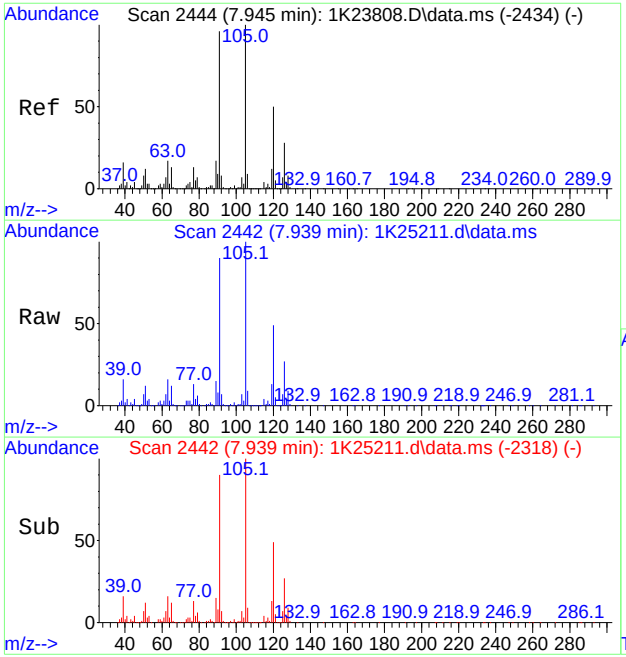


#104
4-chlorotoluene
Concen: 42.9841 ug/L
RT: 8.029 min Scan# 2470
Delta R.T. -0.000 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion: 91 Resp: 952481

Ion	Ratio	Lower	Upper
91	100		
126	36.3	2.1	62.1
89	10.5	0.0	41.4

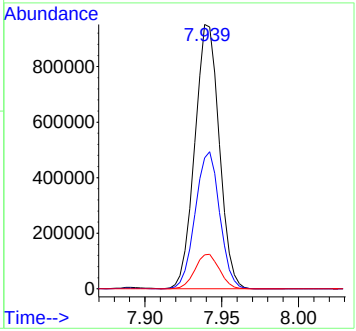


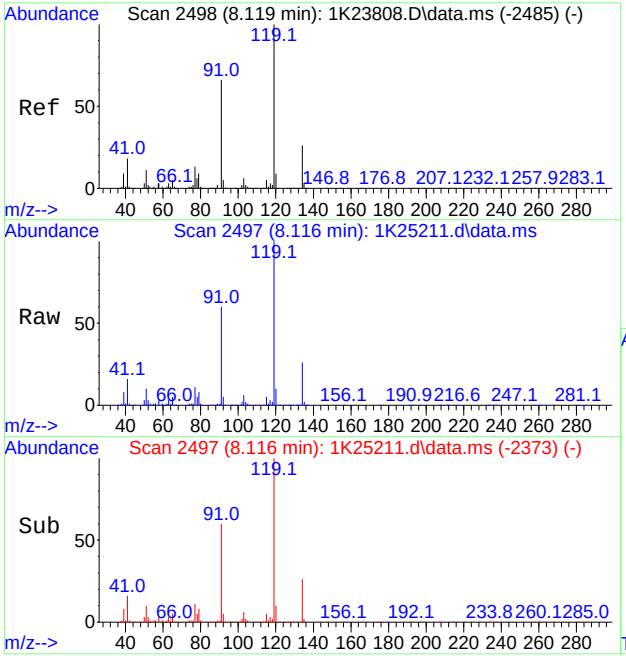


#105
1,3,5-trimethylbenzene
Concen: 45.6168 ug/L
RT: 7.939 min Scan# 2442
Delta R.T. -0.000 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion:105 Resp: 1053414

Ion	Ratio	Lower	Upper
105	100		
120	49.4	20.0	80.0
119	12.8	0.0	41.7

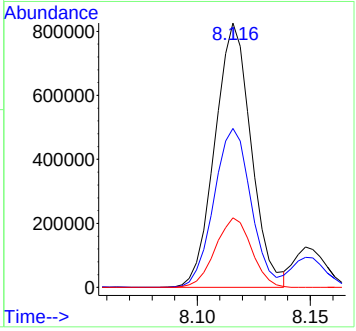


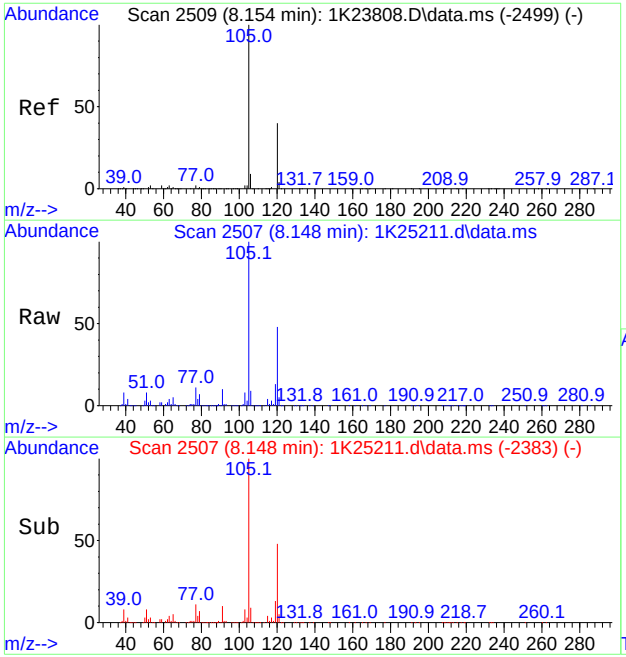


#106
tert-butylbenzene
Concen: 46.3687 ug/L
RT: 8.116 min Scan# 2497
Delta R.T. -0.000 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion:119 Resp: 919274

Ion	Ratio	Lower	Upper
119	100		
91	60.1	36.3	96.3
134	26.3	0.0	56.2

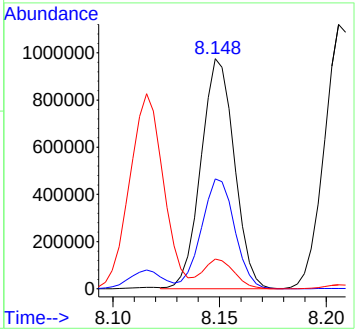


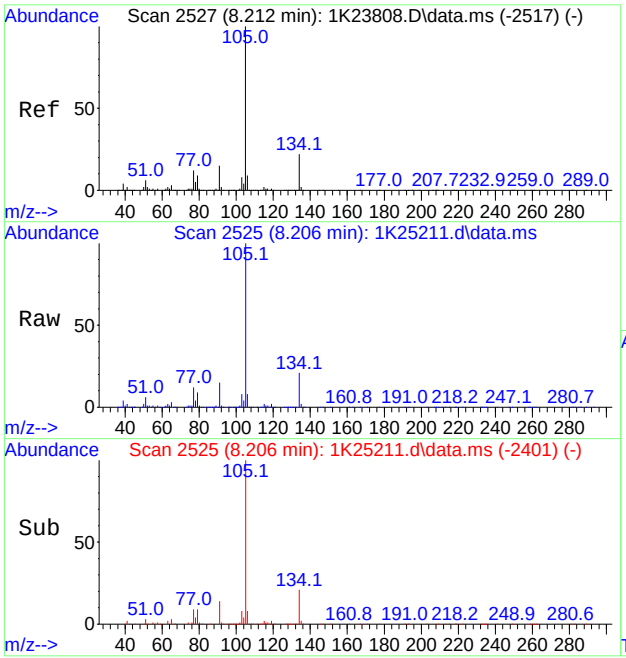


#107
1,2,4-trimethylbenzene
Concen: 44.3676 ug/L
RT: 8.148 min Scan# 2507
Delta R.T. -0.000 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion:105 Resp: 1062545

Ion	Ratio	Lower	Upper
105	100		
120	47.8	17.1	77.1
119	12.9	0.0	42.1

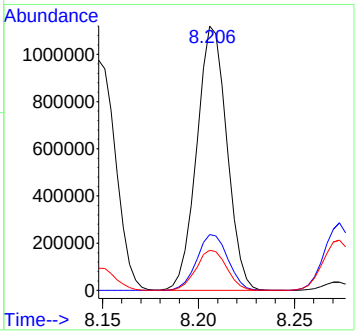


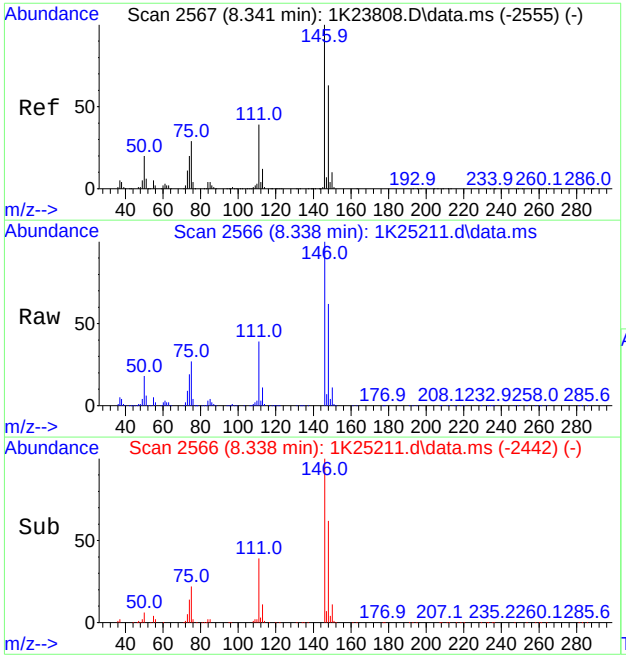


#108
sec-butylbenzene
Concen: 46.0662 ug/L
RT: 8.206 min Scan# 2525
Delta R.T. -0.000 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion:105 Resp: 1223757

Ion	Ratio	Lower	Upper
105	100		
134	21.1	0.0	51.5
91	15.2	0.0	45.0

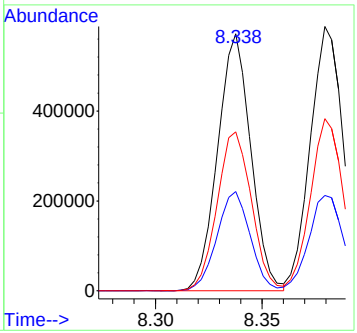


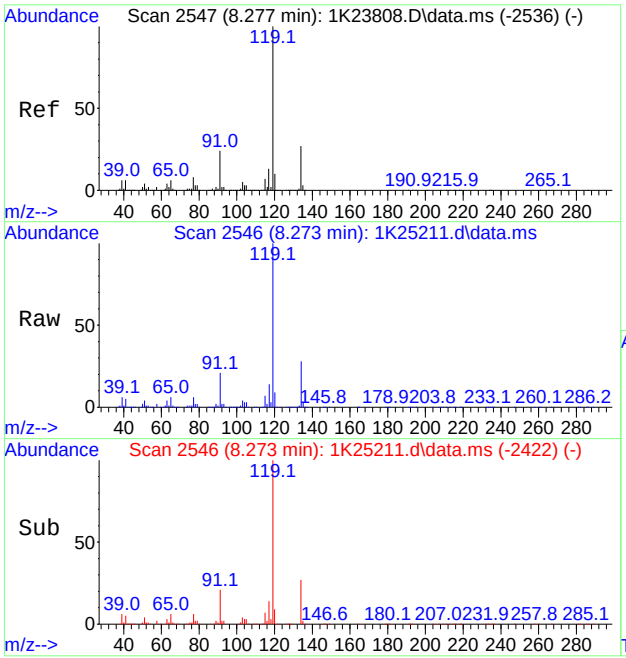


#109
1,3-dichlorobenzene
Concen: 46.5422 ug/L
RT: 8.338 min Scan# 2566
Delta R.T. -0.000 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion:146 Resp: 620113

Ion	Ratio	Lower	Upper
146	100		
111	38.7	8.9	68.9
148	61.8	32.9	92.9

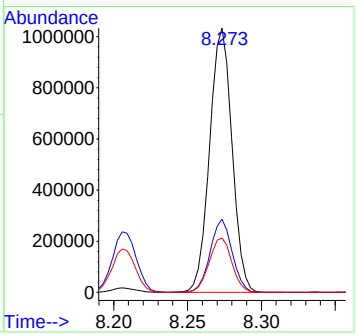


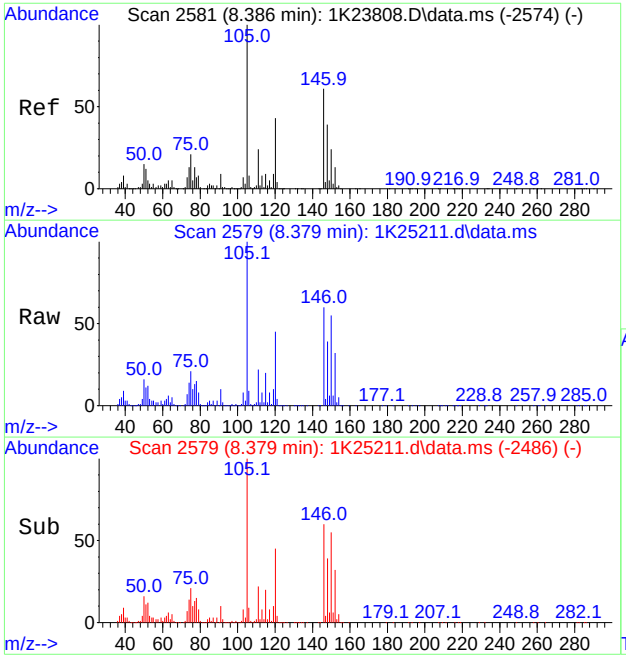


#110
p-isopropyltoluene
Concen: 47.1299 ug/L
RT: 8.273 min Scan# 2546
Delta R.T. -0.000 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion:119 Resp: 1087650

Ion	Ratio	Lower	Upper
119	100		
134	27.6	0.0	56.8
91	20.6	0.0	53.8

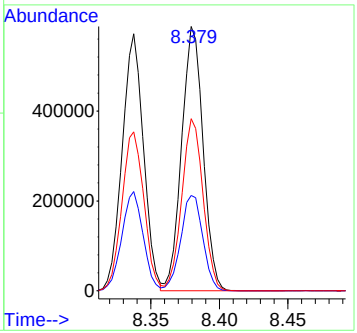


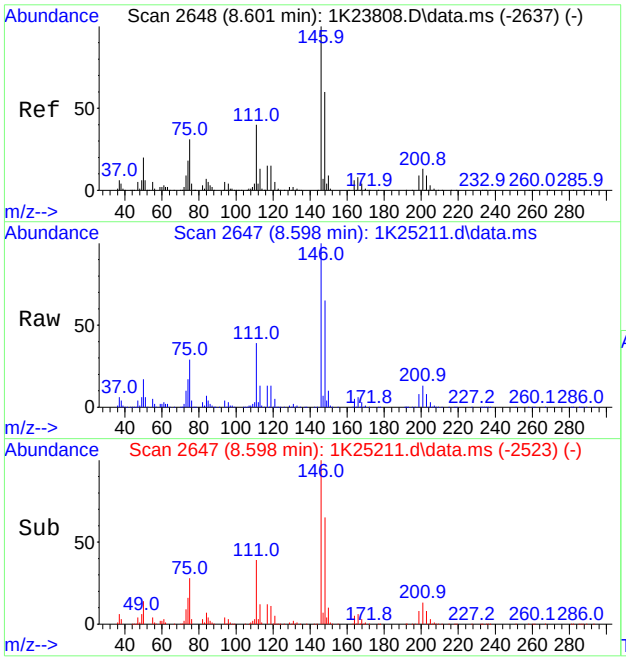


#111
1,4-dichlorobenzene
Concen: 46.4074 ug/L
RT: 8.379 min Scan# 2579
Delta R.T. -0.000 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion:146 Resp: 638550

Ion	Ratio	Lower	Upper
146	100		
111	36.1	9.1	69.1
148	65.1	33.9	93.9

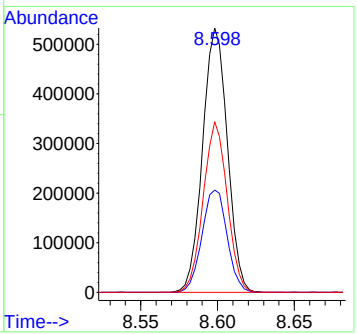


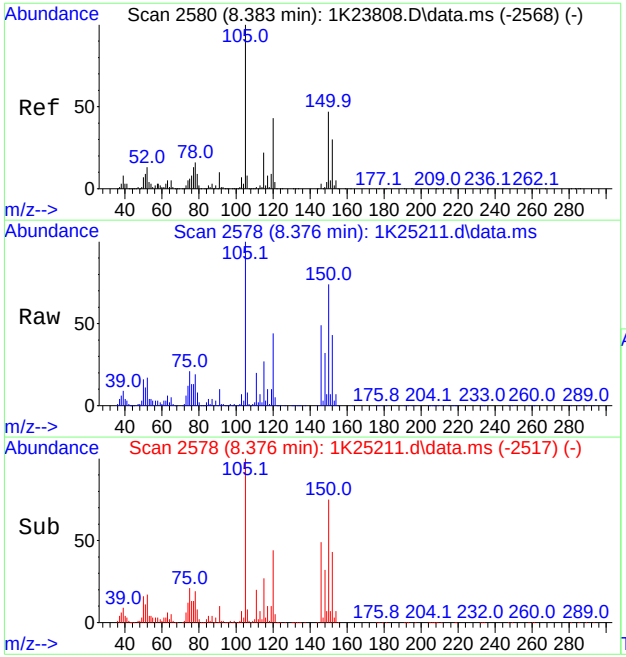


#112
1,2-dichlorobenzene
Concen: 47.0625 ug/L
RT: 8.598 min Scan# 2647
Delta R.T. -0.000 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion:146 Resp: 599086

Ion	Ratio	Lower	Upper
146	100		
111	38.7	9.9	69.9
148	64.5	30.0	90.0

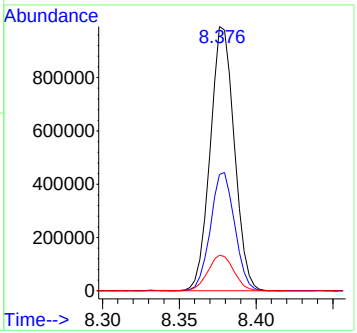


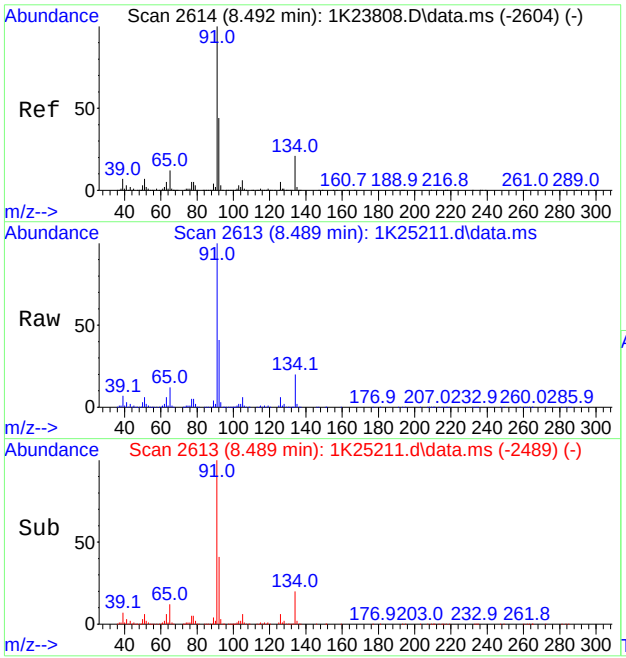


#113
1,2,3-trimethylbenzene
Concen: 44.4864 ug/L
RT: 8.376 min Scan# 2578
Delta R.T. -0.003 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion:105 Resp: 1084508

Ion	Ratio	Lower	Upper
105	100		
120	44.0	12.7	72.7
77	13.4	0.0	43.6

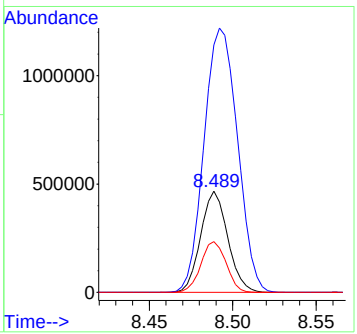


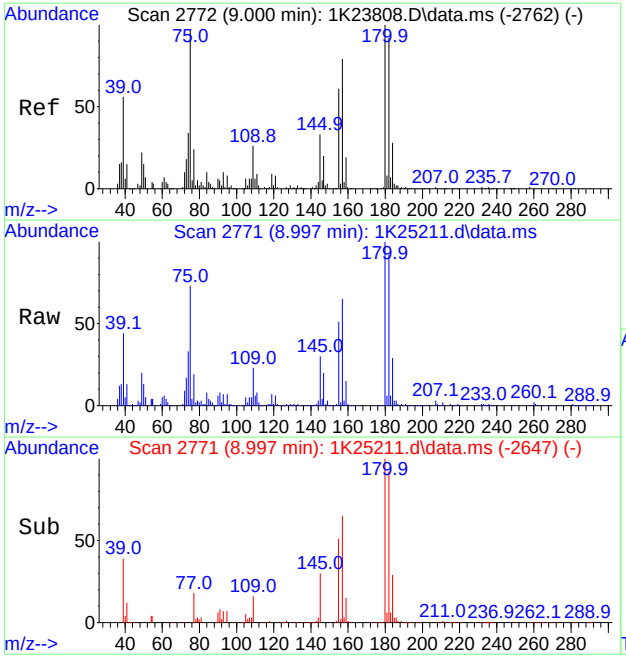


#114
n-butylbenzene
Concen: 42.8823 ug/L
RT: 8.489 min Scan# 2613
Delta R.T. -0.000 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion: 92 Resp: 526544

Ion	Ratio	Lower	Upper
92	100		
91	244.5	199.3	259.3
134	50.0	17.7	77.7

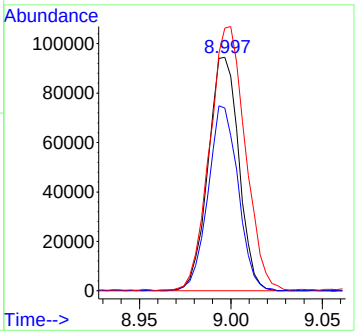


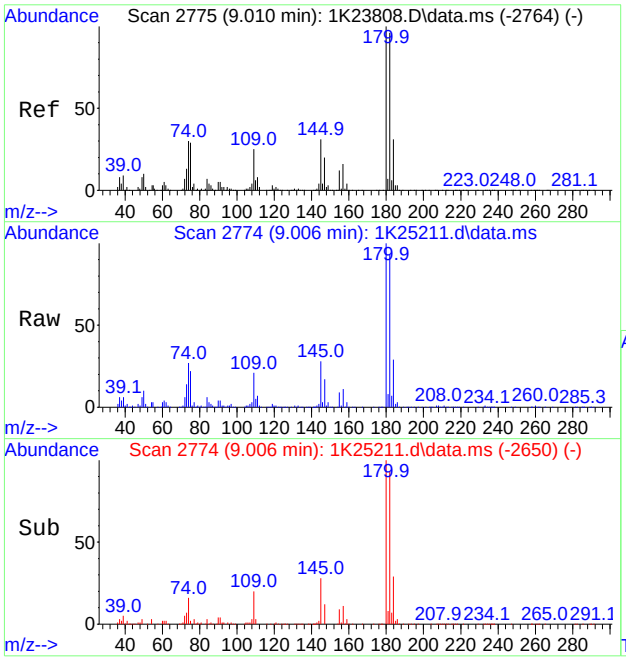


#115
1,2-dibromo-3-chloropropane
Concen: 43.2900 ug/L
RT: 8.997 min Scan# 2771
Delta R.T. -0.000 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion:157 Resp: 111070

Ion	Ratio	Lower	Upper
157	100		
155	78.1	47.8	107.8
75	112.1	92.6	152.6

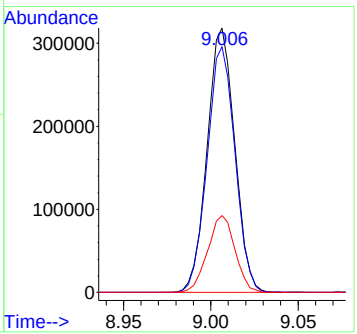


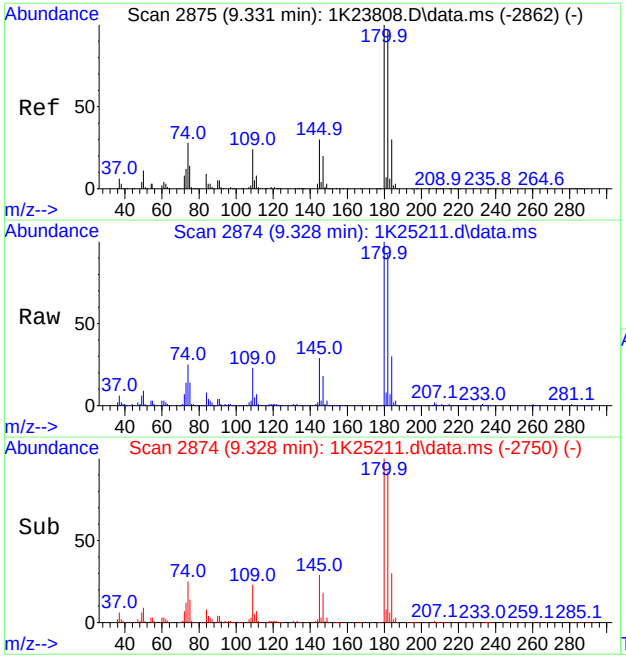


#116
1,3,5-trichlorobenzene
Concen: 46.5675 ug/L
RT: 9.006 min Scan# 2774
Delta R.T. -0.000 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion:180 Resp: 350562

Ion	Ratio	Lower	Upper
180	100		
182	93.0	76.0	116.0
184	29.1	11.0	51.0

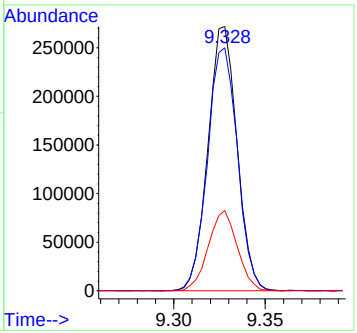


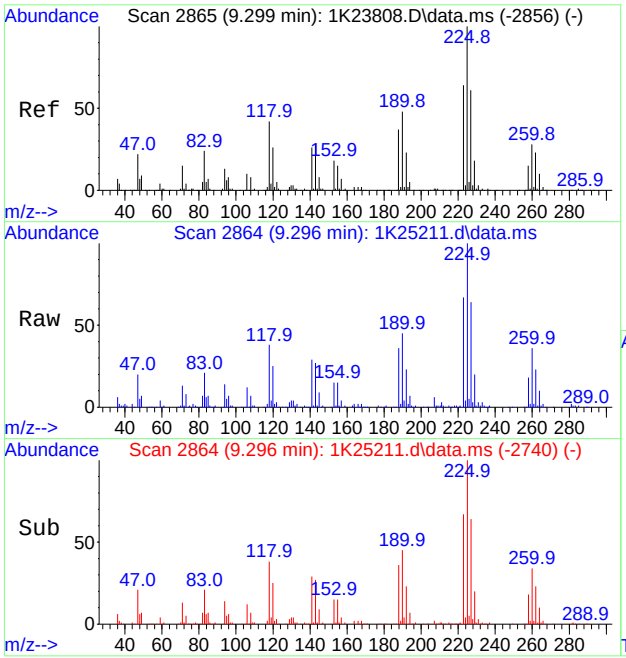


#117
1,2,4-trichlorobenzene
Concen: 44.9835 ug/L
RT: 9.328 min Scan# 2874
Delta R.T. -0.000 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion:180 Resp: 301939

Ion	Ratio	Lower	Upper
180	100		
182	91.9	67.0	127.0
184	30.4	0.2	60.2

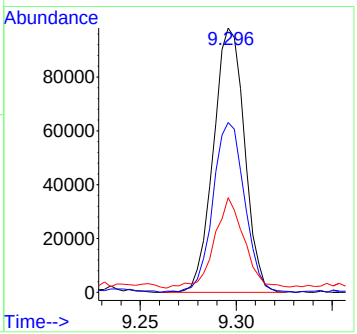


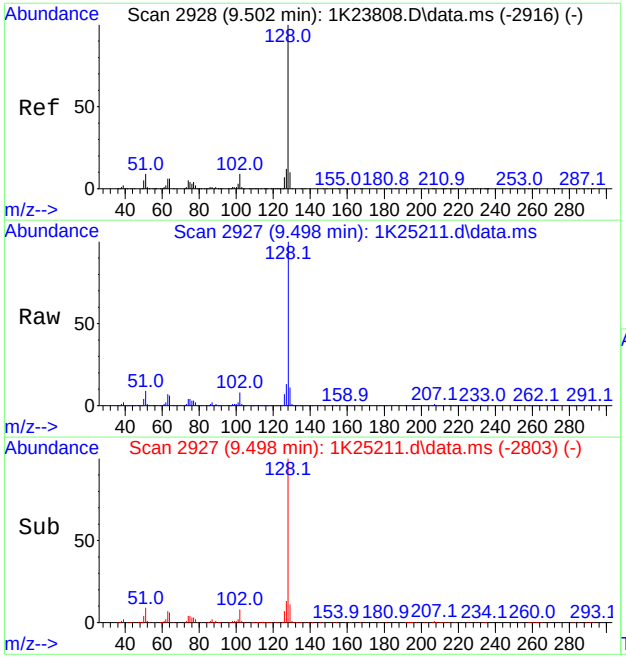


#118
hexachlorobutadiene
Concen: 46.9583 ug/L
RT: 9.296 min Scan# 2864
Delta R.T. -0.000 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion:225 Resp: 110782

Ion	Ratio	Lower	Upper
225	100		
227	64.2	31.7	91.7
260	33.7	0.0	58.9

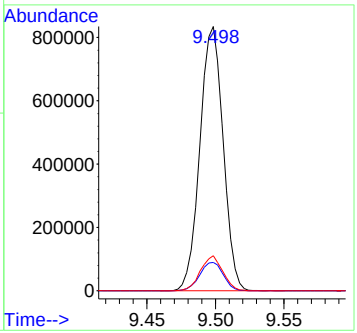


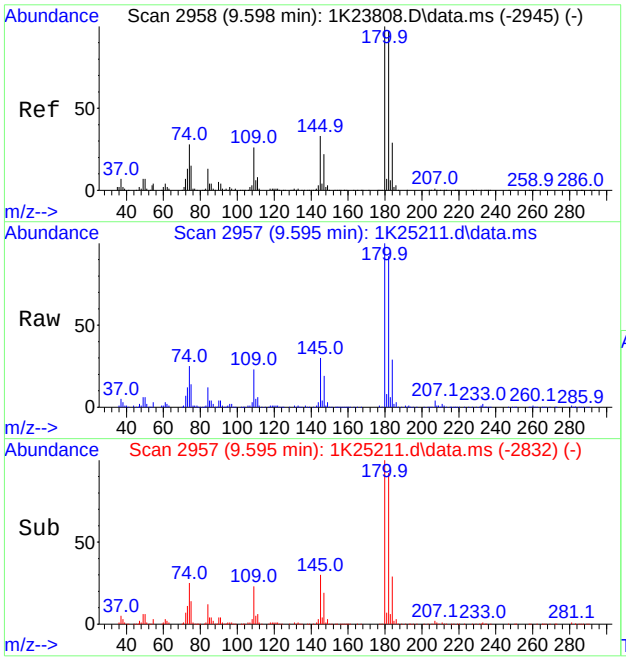


#119
naphthalene
Concen: 44.7297 ug/L
RT: 9.498 min Scan# 2927
Delta R.T. -0.000 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion:128 Resp: 983606

Ion	Ratio	Lower	Upper
128	100		
129	10.7	0.0	40.4
127	13.2	0.0	42.3

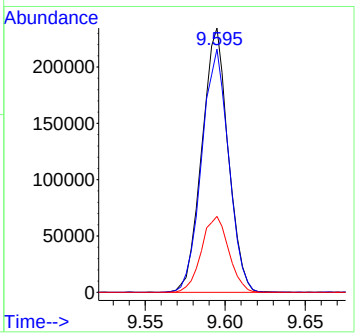


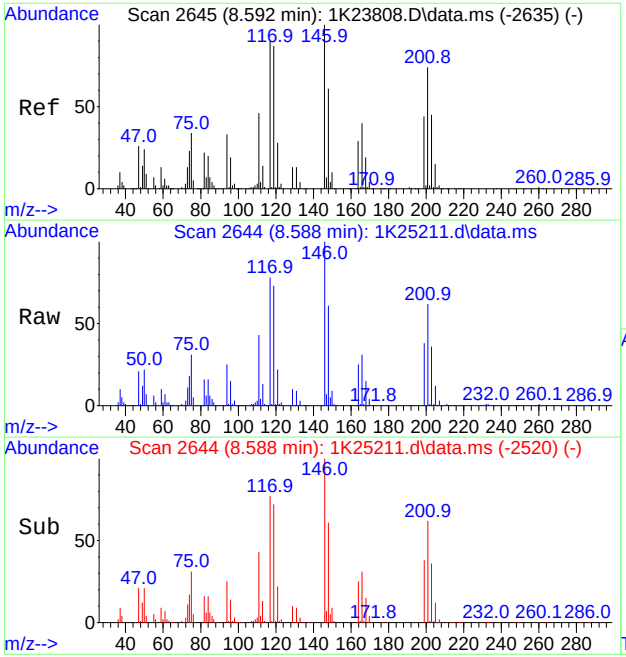


#120
1,2,3-trichlorobenzene
Concen: 45.2301 ug/L
RT: 9.595 min Scan# 2957
Delta R.T. 0.003 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion:180 Resp: 268194

Ion	Ratio	Lower	Upper
180	100		
182	92.0	66.8	126.8
184	28.8	0.0	59.3

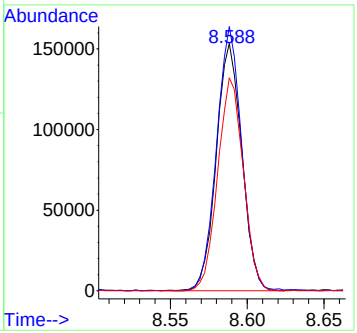


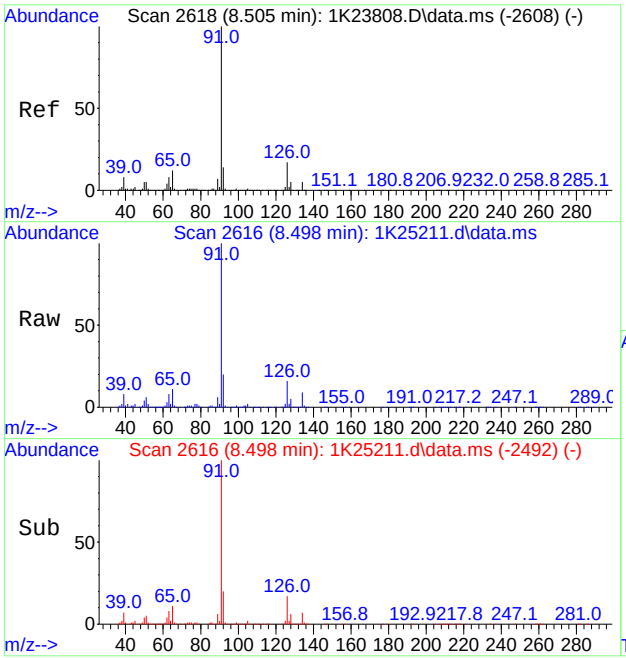


#121
hexachloroethane
Concen: 42.7220 ug/L
RT: 8.588 min Scan# 2644
Delta R.T. -0.000 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion:119 Resp: 177807

Ion	Ratio	Lower	Upper
119	100		
117	106.7	74.2	134.2
201	86.1	55.5	115.5

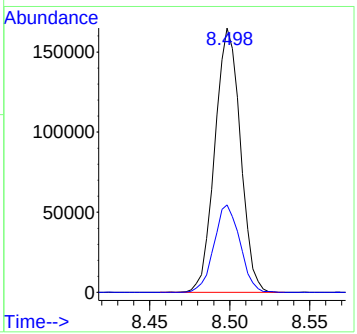


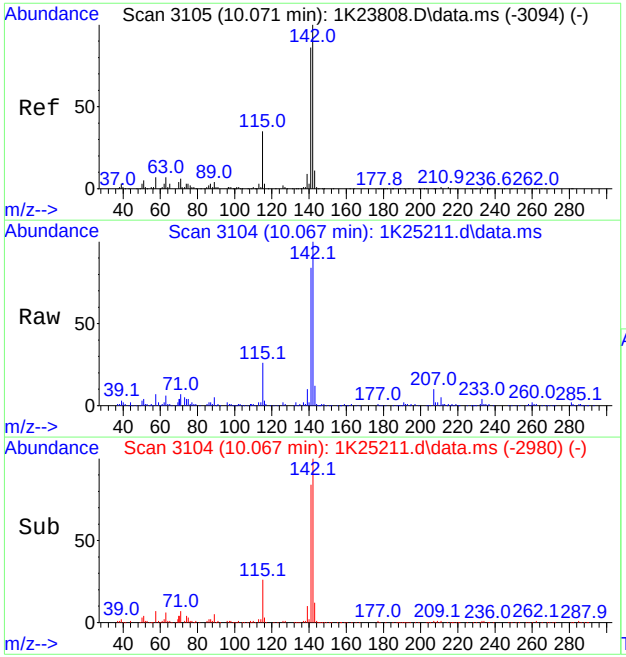


#122
benzyl chloride
Concen: 45.6064 ug/L
RT: 8.498 min Scan# 2616
Delta R.T. -0.000 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion:126 Resp: 183217

Ion	Ratio	Lower	Upper
126	100		
128	33.1	0.0	59.1

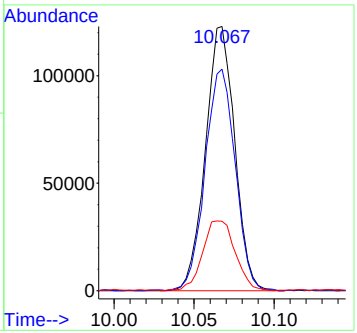




#123
2-methylnaphthalene
Concen: 19.4748 ug/L
RT: 10.067 min Scan# 3104
Delta R.T. -0.000 min
Lab File: 1K25211.d
Acq: 17 Oct 2025 11:53 pm

Tgt Ion:142 Resp: 156579

Ion	Ratio	Lower	Upper
142	100		
141	83.8	56.3	116.3
115	26.1	4.7	64.7



Manual Integrations APPROVED (compounds with "m" flag)
MoHui Huang 10/20/25 17:23

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\braianc\2025\10. October\20102025\V1T610\
Data File : 1T25482.D
Acq On : 20 Oct 2025 11:36 am
Operator : edwardd
Sample : bs Inst : GCMST
Misc : MS46075,V1T0610,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 20 19:49:19 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 11:55:28 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	1.993	65	331476	500.00	ug/L	0.00
5) pentafluorobenzene	3.729	168	485972	50.00	ug/L	0.00
50) 1,4-difluorobenzene	4.311	114	846537	50.00	ug/L	0.00
72) chlorobenzene-d5	6.282	117	701924	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	7.556	152	350901	50.00	ug/L	0.00
124) pentafluorobenzene(a)	3.729	168	485972	50.00	ug/L	0.00
132) 1,4-dichlorobenzene-d4(a)	7.556	152	350901	50.00	ug/L	0.00
System Monitoring Compounds						
42) dibromofluoromethane (s)	3.183	113	295294	51.37	ug/L	0.00
Spiked Amount 50.000	Range 75 - 127		Recovery = 102.74%			
51) 1,2-dichloroethane-d4 (s)	3.739	65	337884	53.41	ug/L	0.00
Spiked Amount 50.000	Range 75 - 130		Recovery = 106.82%			
73) toluene-d8 (s)	5.328	98	968521	50.90	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.80%			
97) 4-bromofluorobenzene (s)	6.985	95	349630	53.87	ug/L	0.00
Spiked Amount 50.000	Range 79 - 127		Recovery = 107.74%			
Target Compounds						Qvalue
2) ethanol	1.474	45	263491	5791.2347	ug/L	98
3) tertiary butyl alcohol	2.040	59	138288	243.6819	ug/L	97
4) 1,4-dioxane	4.924	88	60652	1525.3401	ug/L	89
6) chlorodifluoromethane	0.903	51	219639	57.9648	ug/L	96
7) dichlorodifluoromethane	0.882	85	265645	58.4543	ug/L	99
8) chloromethane	0.971	50	195574	72.8019	ug/L	95
9) vinyl chloride	1.007	62	209747	57.3591	ug/L	97
10) 1,3-butadiene	1.013	39	128249	50.9843	ug/L	88
11) bromomethane	1.149	96	87277	40.5135	ug/L #	97
12) chloroethane	1.207	64	110059	33.2973	ug/L	98
13) trichlorofluoromethane	1.270	101	362793	44.3937	ug/L	98
14) ethyl ether	1.406	74	96647	50.1964	ug/L	89
15) acrolein	1.684	56	37126	51.0884	ug/L	92
16) freon 113	1.526	151	130552	50.0253	ug/L	99
17) 1,1-dichloroethene	1.511	61	260121	49.1288	ug/L	93
18) acetone	1.841	58	87792	192.7460	ug/L	94
19) acetonitrile	2.129	41	279732	671.6652	ug/L	99
20) iodomethane	1.589	142	79156	41.8857	ug/L	89
21) carbon disulfide	1.532	76	468573	46.6785	ug/L	100
22) methylene chloride	1.820	84	175621	45.8168	ug/L	96
23) methyl acetate	1.920	74	35922	49.5518	ug/L	94
24) methyl tert butyl ether	1.983	73	433994	53.3709	ug/L	95
25) trans-1,2-dichloroethene	1.914	96	168537	46.8029	ug/L	94
26) hexane	1.967	57	297955	64.1568	ug/L	96
27) di-isopropyl ether	2.240	45	382591	63.5138	ug/L	94
28) ethyl tert-butyl ether	2.517	59	434454	54.5681	ug/L	99
29) 2-butanone	3.309	72	113677	213.2882	ug/L	94
30) 1,1-dichloroethane	2.318	63	302115	55.8318	ug/L	98
31) chloroprene	2.302	53	243911	53.7323	ug/L	95
32) acrylonitrile	2.350	52	62911	58.3491	ug/L	96
33) vinyl acetate	2.517	86	39009	47.1693	ug/L	97
34) ethyl acetate	3.147	70	25047	50.9344	ug/L	91
35) 2,2-dichloropropane	2.842	77	257093	57.9294	ug/L	98
36) cis-1,2-dichloroethene	2.748	96	170635	53.8060	ug/L	96
37) propionitrile	3.613	54	355235	622.3263	ug/L	98
38) methyl acrylate	3.147	85	32755	49.1764	ug/L #	92
39) bromochloromethane	2.926	128	81983	50.9157	ug/L	93
40) tetrahydrofuran	3.152	71	27880	53.7685	ug/L	95

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\braianc\2025\10. October\20102025\V1T610\
Data File : 1T25482.D
Acq On : 20 Oct 2025 11:36 am
Operator : edwardd
Sample : bs Inst : GCMST
Misc : MS46075,V1T0610,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 20 19:49:19 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 11:55:28 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) chloroform	3.005	47	65694	44.1993	ug/L		93
43) methacrylonitrile	3.639	67	75950	49.2787	ug/L		98
44) 1,1,1-trichloroethane	3.204	97	288038	57.6498	ug/L		96
45) cyclohexane	2.937	84	234551	52.3221	ug/L		91
46) 1,1-dichloropropene	3.330	75	222119	52.6555	ug/L		97
47) carbon tetrachloride	3.136	117	251873	56.8950	ug/L		99
48) isobutyl alcohol	3.938	43	87186	730.2899	ug/L		91
49) tert-amyl alcohol	4.048	55	53743	332.3492	ug/L		90
52) iso-octane	3.477	57	392711	61.4612	ug/L		93
53) benzene	3.592	78	600516	54.2126	ug/L		97
54) tert-amyl methyl ether	3.771	73	390976	53.2705	ug/L		99
55) heptane	3.613	57	77076	61.9764	ug/L		91
56) isopropyl acetate	4.195	87	39322	44.5892	ug/L	#	87
57) 1,2-dichloroethane	3.818	62	237176	49.2226	ug/L		99
58) n-butyl alcohol	4.641	56	349896	4084.3869	ug/L		96
59) ethyl acrylate	4.777	55	202136	57.9722	ug/L		98
60) trichloroethene	4.269	130	162918	53.8727	ug/L		96
61) 2-nitropropane	5.485	41	50865m	47.3446	ug/L		
62) 2-chloroethyl vinyl ether	5.191	63	464460	229.2780	ug/L		98
63) methyl methacrylate	4.924	100	45216	51.1565	ug/L		97
64) 1,2-dichloropropane	4.704	63	159518	56.3928	ug/L		97
65) methylcyclohexane	4.253	98	113638	53.6945	ug/L	#	94
66) dibromomethane	4.625	93	112469	47.0874	ug/L		94
67) bromodichloromethane	4.772	83	234064	51.8551	ug/L		99
68) epichlorohydrin	5.364	57	121573	292.9658	ug/L		97
69) cis-1,3-dichloropropene	5.212	75	258867	50.9652	ug/L		100
70) 4-methyl-2-pentanone	5.590	58	284275	228.3116	ug/L		97
71) 3-methyl-1-butanol	5.506	70	127518	1260.6492	ug/L		97
74) toluene	5.359	92	367405	49.4233	ug/L		99
75) ethyl methacrylate	5.726	69	170339	53.6197	ug/L		100
76) trans-1,3-dichloropropene	5.606	75	252381	57.6303	ug/L		98
77) 1,1,2-trichloroethane	5.700	83	120825	54.2193	ug/L		100
78) tetrachloroethene	5.579	166	152072	48.9878	ug/L		97
79) 2-hexanone	6.125	58	299270	256.2665	ug/L		98
80) 1,3-dichloropropane	5.863	76	250207	55.1208	ug/L		99
81) butyl acetate	6.083	56	96681	61.3431	ug/L		95
82) dibromochloromethane	5.805	129	175330	51.9073	ug/L		99
83) 1,2-dibromoethane	5.941	107	153005	52.1462	ug/L		99
84) n-butyl ether	6.277	57	587144	59.9077	ug/L		99
85) chlorobenzene	6.292	112	410959	47.7392	ug/L		98
86) 1,1,1,2-tetrachloroethane	6.340	131	147524	49.4015	ug/L		95
87) ethylbenzene	6.324	91	684178	49.6127	ug/L		100
88) m,p-xylene	6.413	106	544998	102.5386	ug/L		97
89) o-xylene	6.659	106	253292	51.4496	ug/L		97
90) styrene	6.691	104	428051	53.9310	ug/L		96
91) bromoform	6.696	173	120601	46.8907	ug/L		99
92) butyl acrylate	6.780	55	277083	59.5109	ug/L		98
93) n-amyl acetate	6.922	70	111304	56.1359	ug/L		96
94) isopropylbenzene	6.838	105	665911	53.2214	ug/L		99
95) cis-1,4-dichloro-2-butene	7.021	88	78482	51.6179	ug/L		97
98) bromobenzene	7.037	156	162284	47.1856	ug/L		95
99) 1,1,2,2-tetrachloroethane	7.100	83	204590	48.2610	ug/L		98
100) trans-1,4-dichloro-2-b...	7.184	53	59548	54.7087	ug/L		92
101) 1,2,3-trichloropropane	7.163	110	72671	48.2067	ug/L		99
102) n-propylbenzene	7.063	91	817115	53.6972	ug/L		99
103) 2-chlorotoluene	7.137	126	151219	48.8022	ug/L		88
104) 4-chlorotoluene	7.220	91	518062	53.6885	ug/L		97
105) 1,3,5-trimethylbenzene	7.168	105	600718	56.9601	ug/L		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\braianc\2025\10. October\20102025\V1T610\
Data File : 1T25482.D
Acq On : 20 Oct 2025 11:36 am
Operator : edwardd
Sample : bs Inst : GCMST
Misc : MS46075,V1T0610,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 20 19:49:19 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 11:55:28 2025
Response via : Initial Calibration

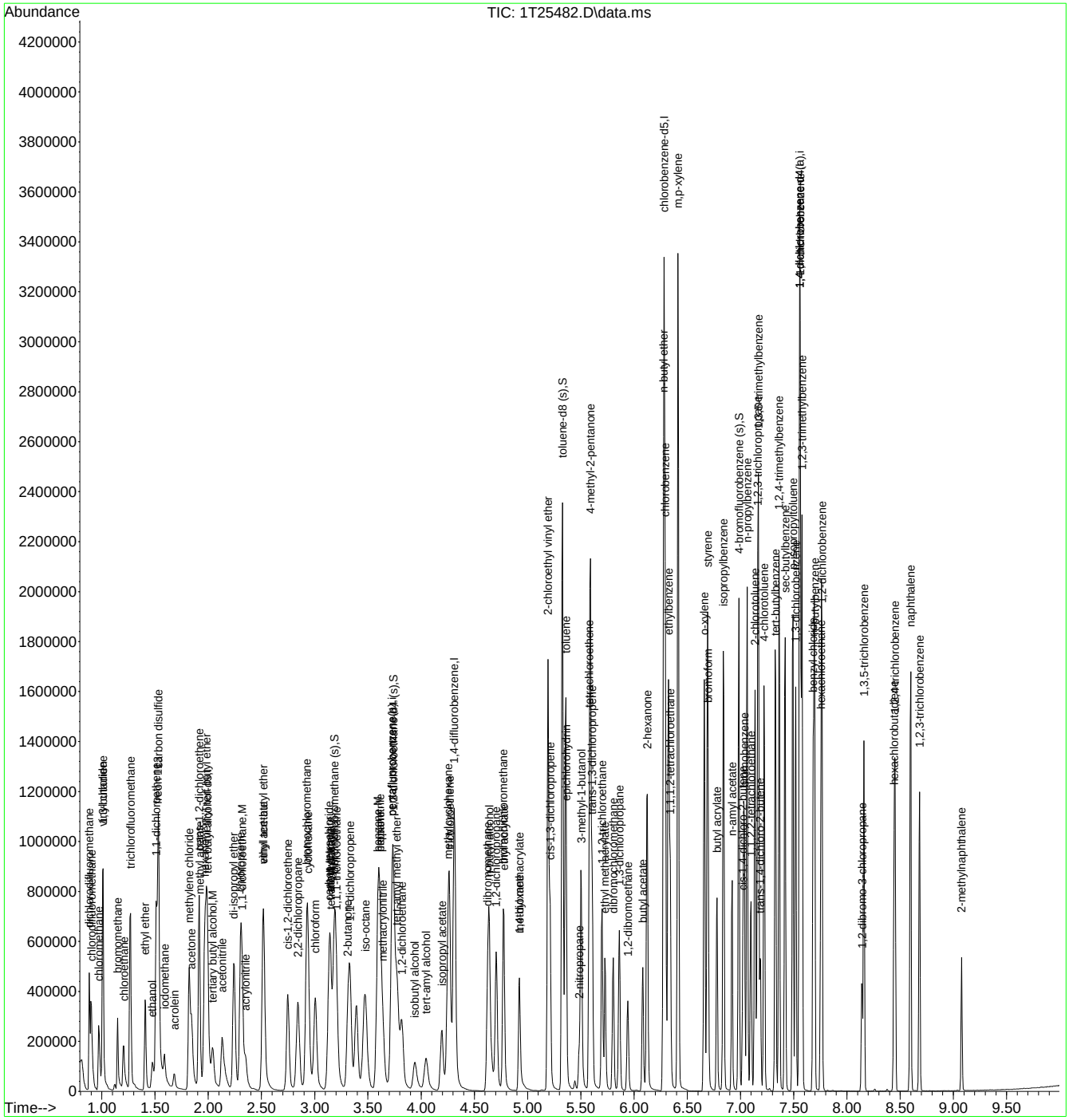
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
106) tert-butylbenzene	7.331	119	462042	55.3785	ug/L		95
107) 1,2,4-trimethylbenzene	7.362	105	613691	57.6000	ug/L		98
108) sec-butylbenzene	7.420	105	678983	56.8505	ug/L		100
109) 1,3-dichlorobenzene	7.519	146	318543	49.7450	ug/L		97
110) p-isopropyltoluene	7.493	119	586993	57.0075	ug/L		97
111) 1,4-dichlorobenzene	7.561	146	327489	47.6073	ug/L		97
112) 1,2-dichlorobenzene	7.766	146	305499	49.2032	ug/L		98
113) 1,2,3-trimethylbenzene	7.577	105	633208	52.9770	ug/L		99
114) n-butylbenzene	7.698	134	134345	54.0093	ug/L	#	72
115) 1,2-dibromo-3-chloropr...	8.143	157	59115	47.0701	ug/L		85
116) 1,3,5-trichlorobenzene	8.159	180	203508	49.9100	ug/L		99
117) 1,2,4-trichlorobenzene	8.453	180	174797	49.6654	ug/L		97
118) hexachlorobutadiene	8.442	225	72395	48.8485	ug/L		97
119) naphthalene	8.599	128	617747	58.1424	ug/L		99
120) 1,2,3-trichlorobenzene	8.683	180	171134	51.3001	ug/L		99
121) hexachloroethane	7.755	119	108232	52.7571	ug/L		96
122) benzyl chloride	7.682	126	91156	52.3844	ug/L		96
123) 2-methylnaphthalene	9.077	142	116005	21.2008	ug/L		96

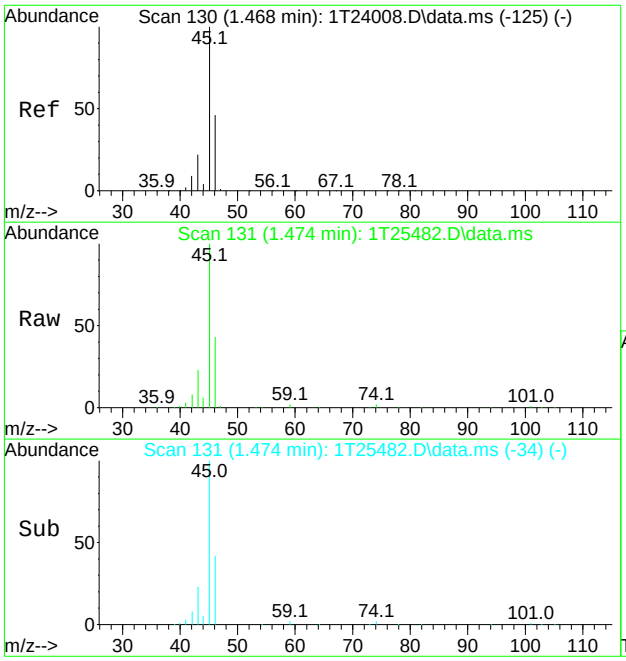
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\braianc\2025\10. October\20102025\V1T610\
Data File : 1T25482.D
Acq On : 20 Oct 2025 11:36 am
Operator : edwardd
Sample : bs Inst : GCMST
Misc : MS46075,V1T0610,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 20 19:49:19 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 11:55:28 2025
Response via : Initial Calibration

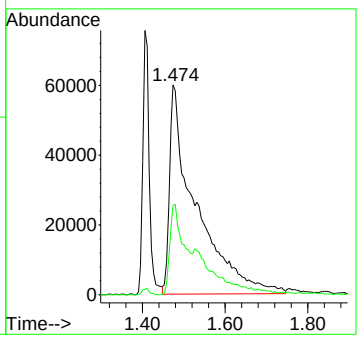


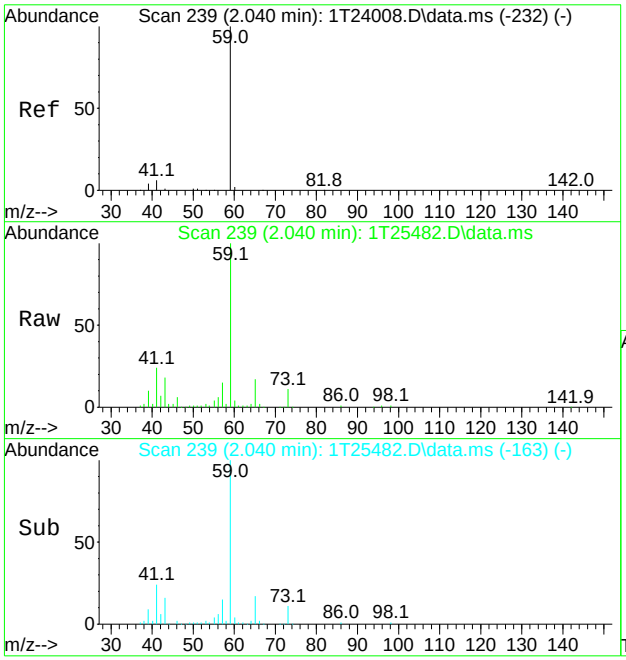


#2
ethanol
Concen: 5791.2347 ug/L
RT: 1.474 min Scan# 131
Delta R.T. 0.006 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 45 Resp: 263491

Ion	Ratio	Lower	Upper
45	100		
46	43.3	24.5	64.5

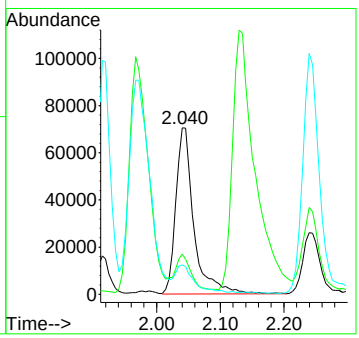


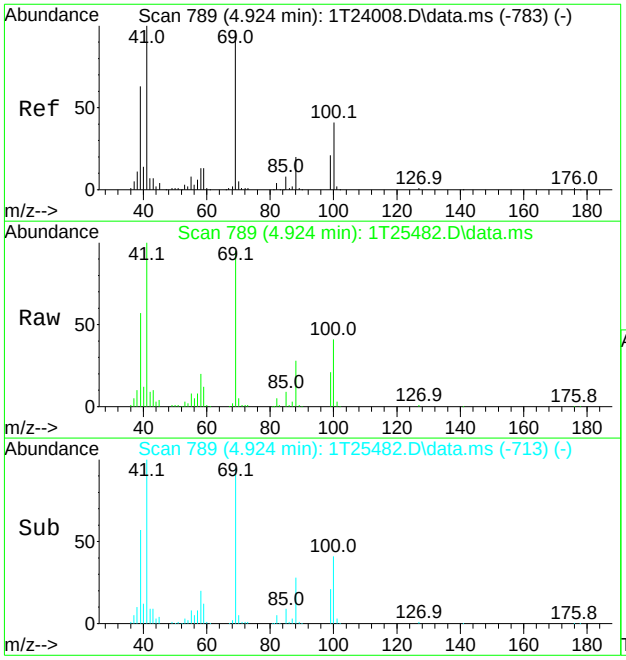


#3
tertiary butyl alcohol
Concen: 243.6819 ug/L
RT: 2.040 min Scan# 239
Delta R.T. 0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 59 Resp: 138288

Ion	Ratio	Lower	Upper
59	100		
41	13.9	0.0	43.1
43	17.0	0.0	48.5

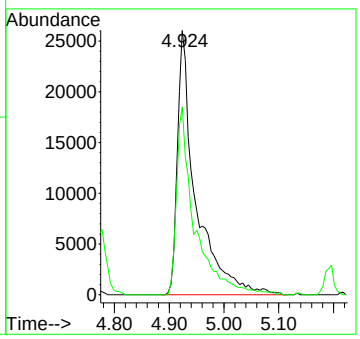


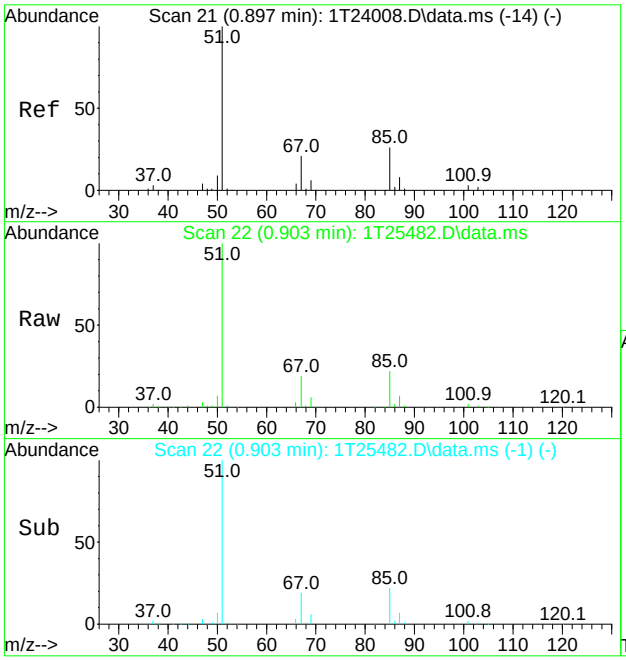


#4
1,4-dioxane
Concen: 1525.3401 ug/L
RT: 4.924 min Scan# 789
Delta R.T. 0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 88 Resp: 60652

Ion	Ratio	Lower	Upper
88	100		
58	71.2	43.0	83.0

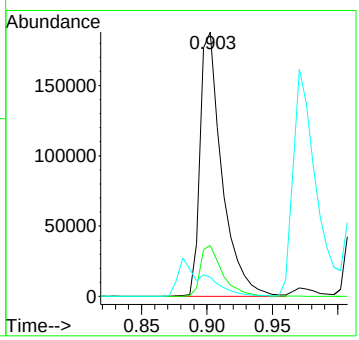


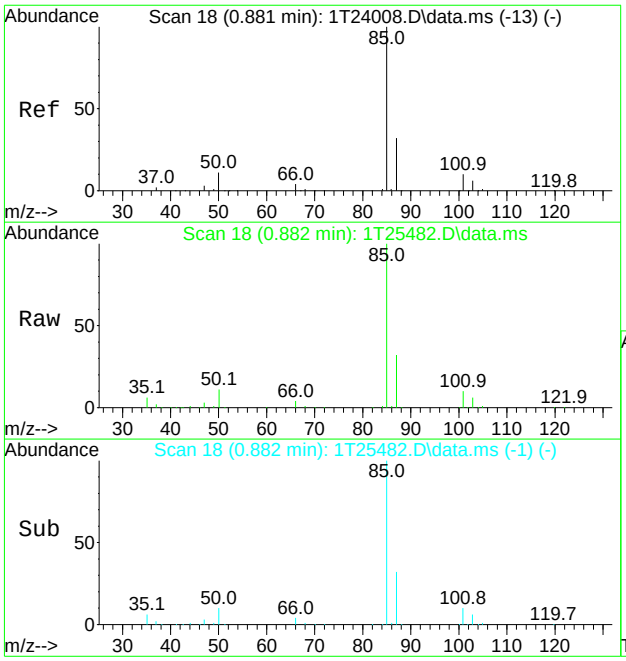


#6
chlorodifluoromethane
Concen: 57.9648 ug/L
RT: 0.903 min Scan# 22
Delta R.T. 0.006 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 51 Resp: 219639

Ion	Ratio	Lower	Upper
51	100		
67	19.2	0.0	51.0
50	7.2	0.0	38.8

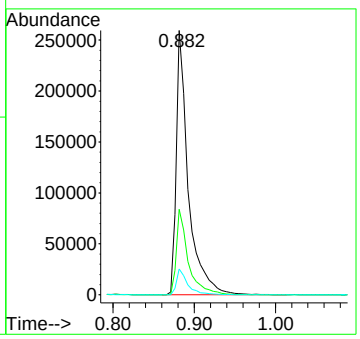


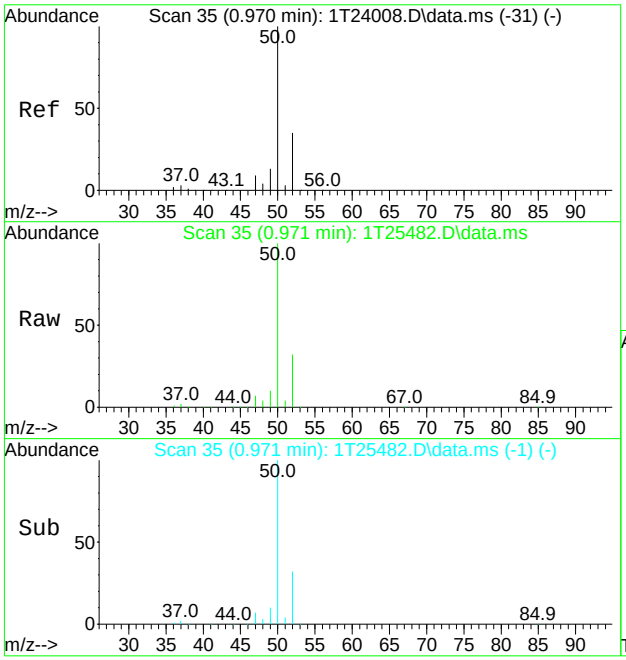


#7
dichlorodifluoromethane
Concen: 58.4543 ug/L
RT: 0.882 min Scan# 18
Delta R.T. 0.001 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 85 Resp: 265645

Ion	Ratio	Lower	Upper
85	100		
87	32.3	1.6	61.6
101	9.8	0.0	39.6

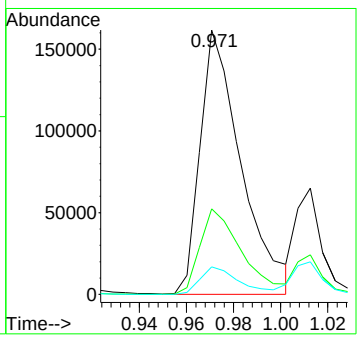


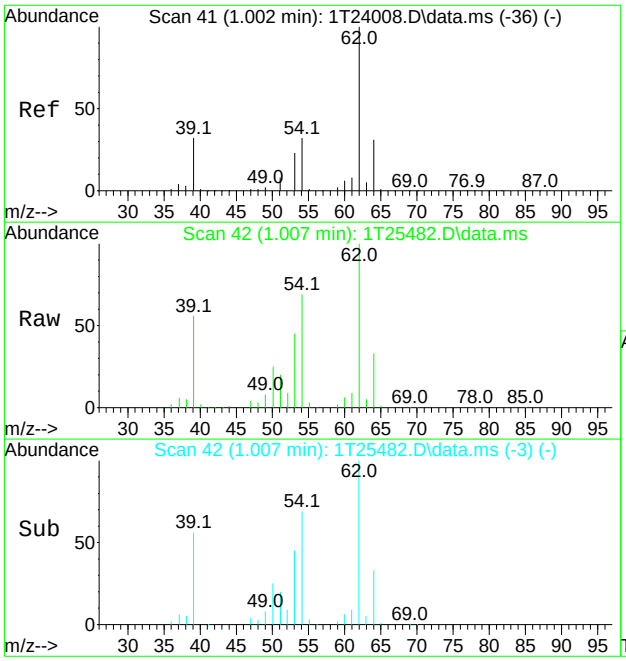


#8
chloromethane
Concen: 72.8019 ug/L
RT: 0.971 min Scan# 35
Delta R.T. 0.001 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 50 Resp: 195574

Ion	Ratio	Lower	Upper
50	100		
52	32.4	5.4	65.4
49	10.4	0.0	42.5

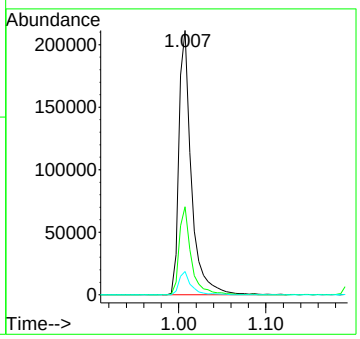


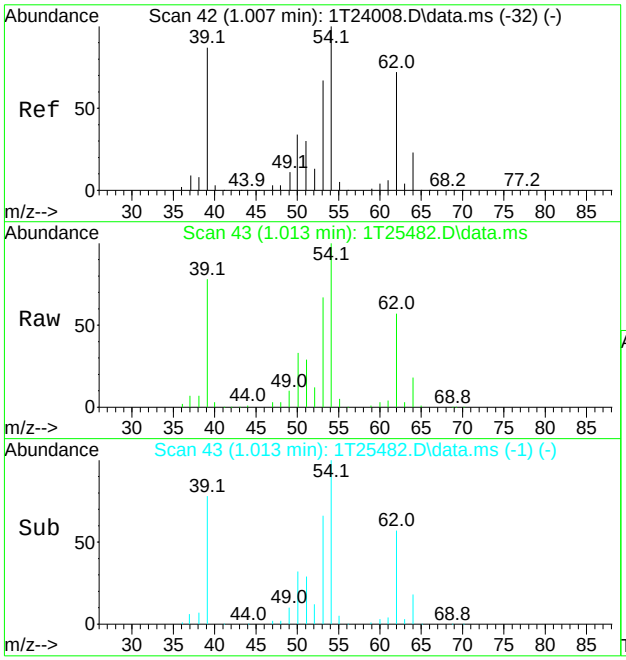


#9
vinyl chloride
Concen: 57.3591 ug/L
RT: 1.007 min Scan# 42
Delta R.T. 0.005 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 62 Resp: 209747

Ion	Ratio	Lower	Upper
62	100		
64	33.3	1.5	61.5
61	8.9	0.0	38.2

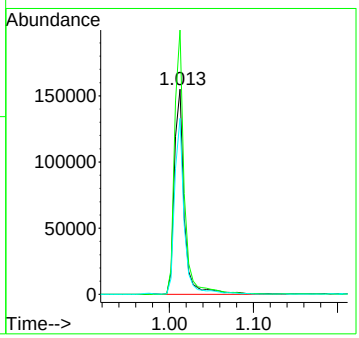


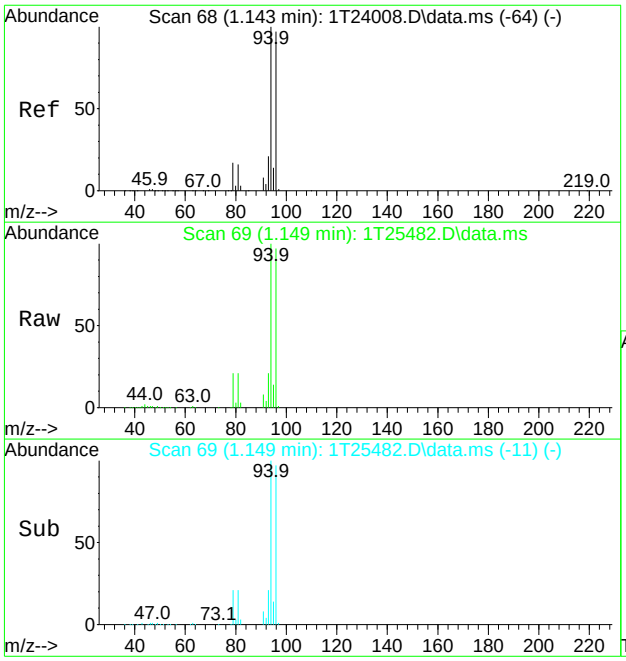


#10
1,3-butadiene
Concen: 50.9843 ug/L
RT: 1.013 min Scan# 43
Delta R.T. 0.006 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 39 Resp: 128249

Ion	Ratio	Lower	Upper
39	100		
54	128.8	84.6	144.6
53	85.6	47.3	107.3

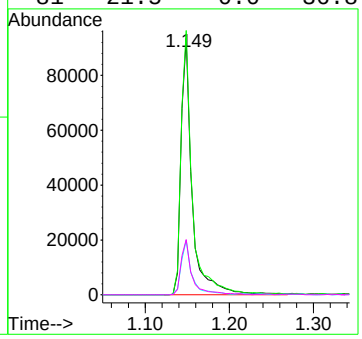


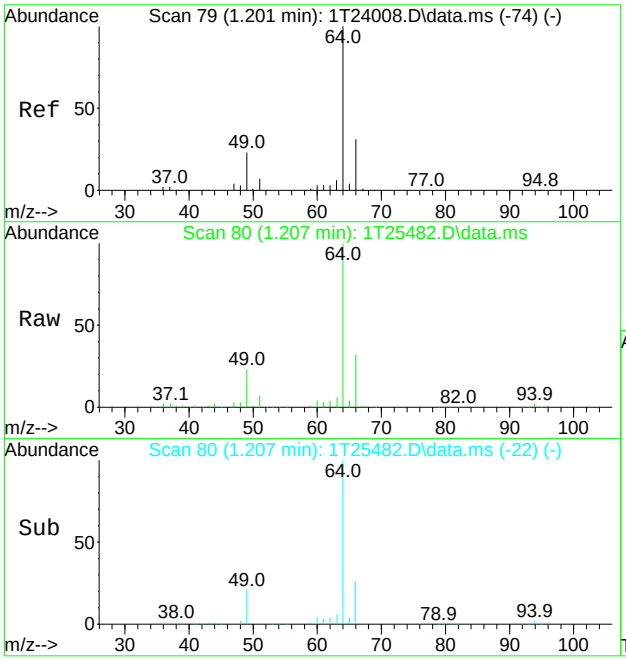


#11
bromomethane
Concen: 40.5135 ug/L
RT: 1.149 min Scan# 69
Delta R.T. 0.006 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 96 Resp: 87277

Ion	Ratio	Lower	Upper
96	100		
94	103.1	73.2	133.2
79	21.4	17.3	17.3#
81	21.5	0.0	36.8

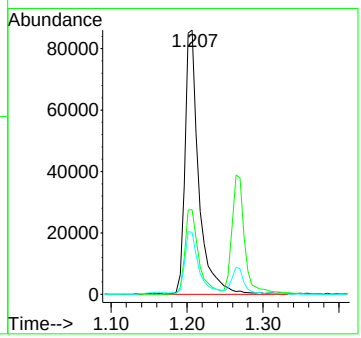


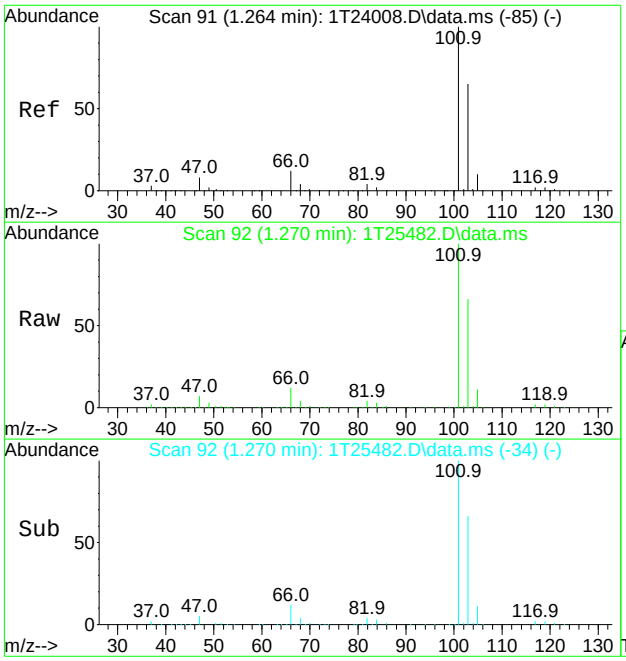


#12
chloroethane
Concen: 33.2973 ug/L
RT: 1.207 min Scan# 80
Delta R.T. 0.006 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 64 Resp: 110059

Ion	Ratio	Lower	Upper
64	100		
66	32.0	0.9	60.9
49	23.2	0.0	52.7

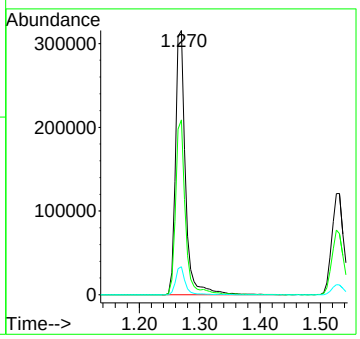


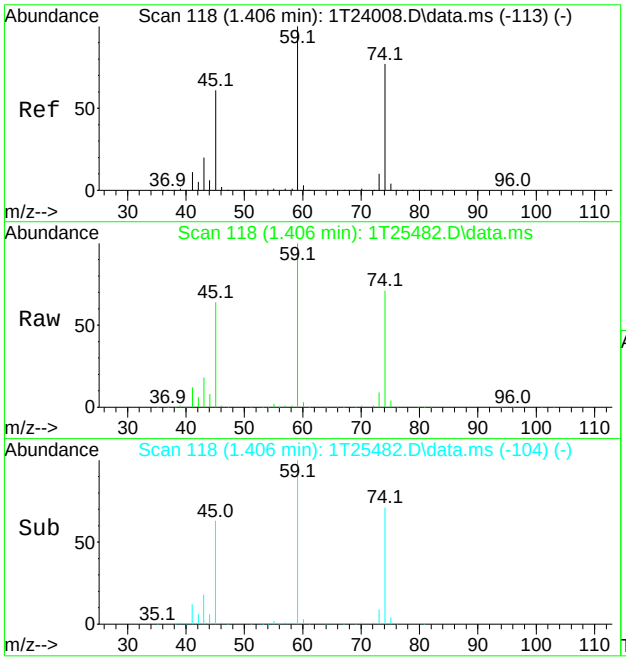


#13
trichlorofluoromethane
Concen: 44.3937 ug/L
RT: 1.270 min Scan# 92
Delta R.T. 0.006 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion:101 Resp: 362793

Ion	Ratio	Lower	Upper
101	100		
103	66.2	34.8	94.8
105	10.7	0.0	40.0

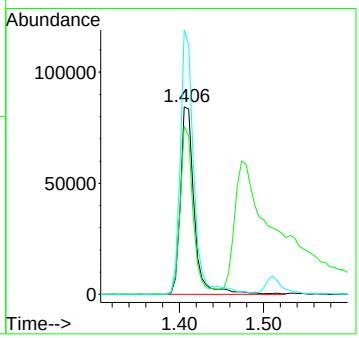


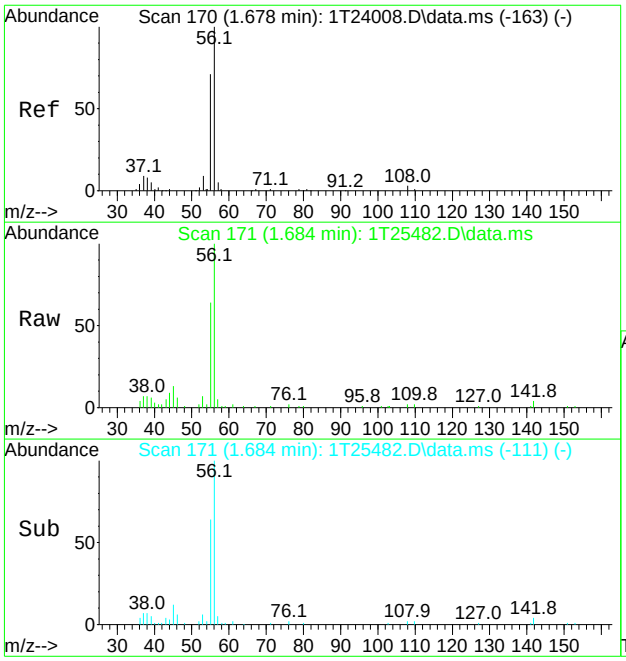


#14
ethyl ether
Concen: 50.1964 ug/L
RT: 1.406 min Scan# 118
Delta R.T. -0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 74 Resp: 96647

Ion	Ratio	Lower	Upper
74	100		
45	89.7	48.9	108.9
59	140.9	99.2	159.2

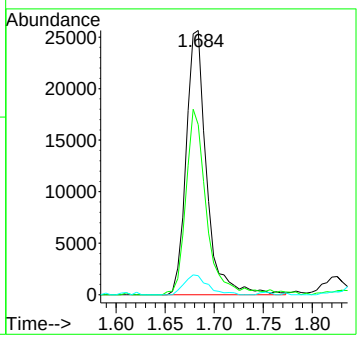


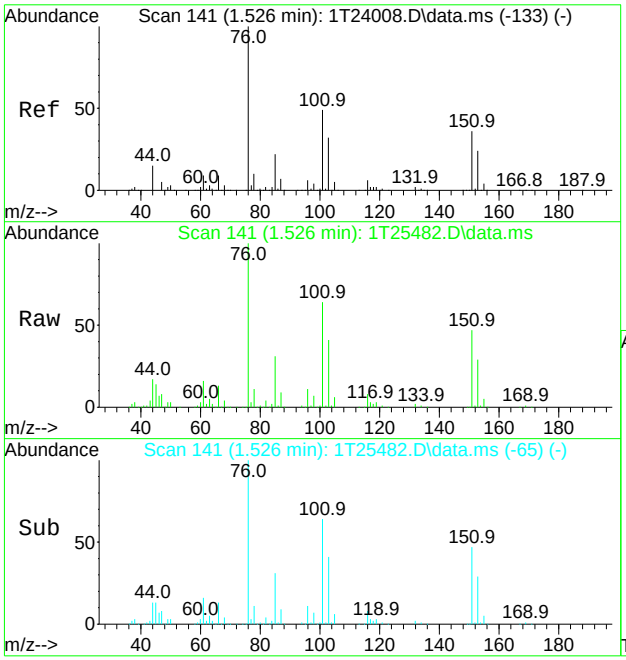


#15
acrolein
Concen: 51.0884 ug/L
RT: 1.684 min Scan# 171
Delta R.T. 0.006 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 56 Resp: 37126

Ion	Ratio	Lower	Upper
56	100		
55	64.4	41.3	101.3
53	7.2	0.0	38.7

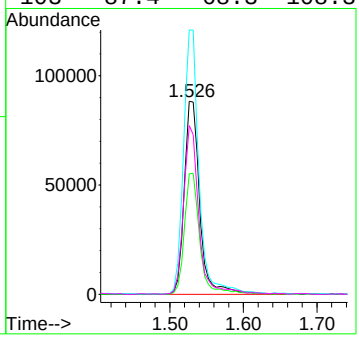


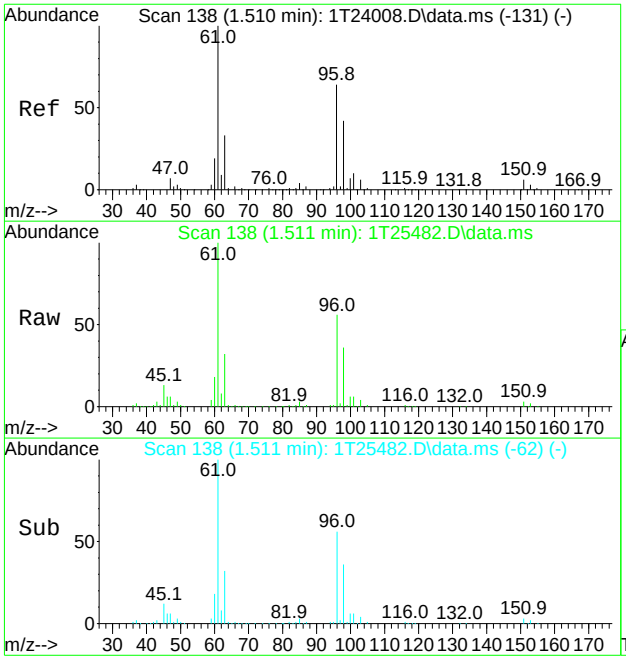


#16
freon 113
Concen: 50.0253 ug/L
RT: 1.526 min Scan# 141
Delta R.T. 0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion:151 Resp: 130552

Ion	Ratio	Lower	Upper
151	100		
153	62.4	46.1	86.1
101	136.7	116.7	156.7
103	87.4	68.3	108.3

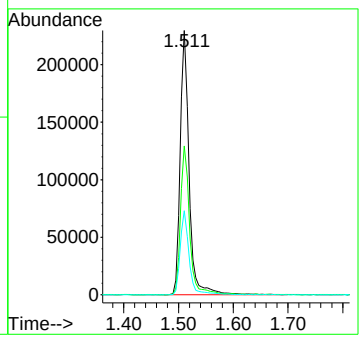


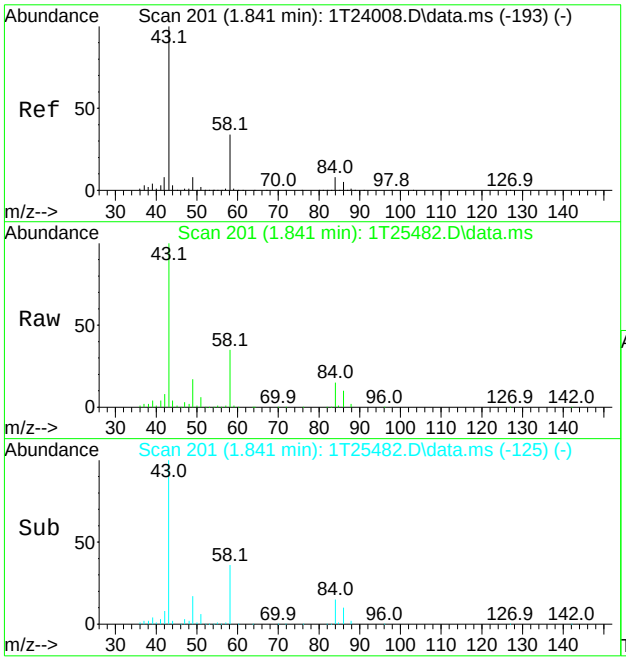


#17
1,1-dichloroethene
Concen: 49.1288 ug/L
RT: 1.511 min Scan# 138
Delta R.T. 0.001 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 61 Resp: 260121

Ion	Ratio	Lower	Upper
61	100		
96	56.2	33.7	93.7
63	31.8	2.8	62.8

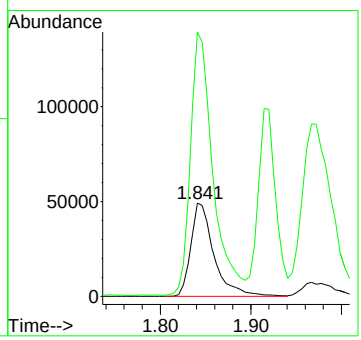


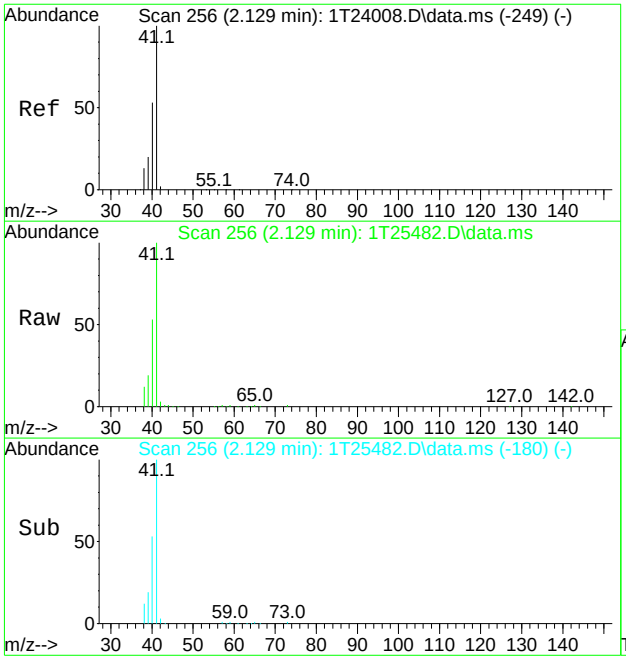


#18
acetone
Concen: 192.7460 ug/L
RT: 1.841 min Scan# 201
Delta R.T. 0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 58 Resp: 87792

Ion	Ratio	Lower	Upper
58	100		
43	281.7	263.8	323.8

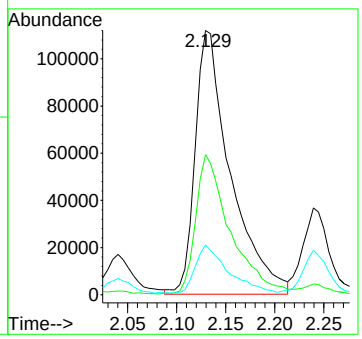


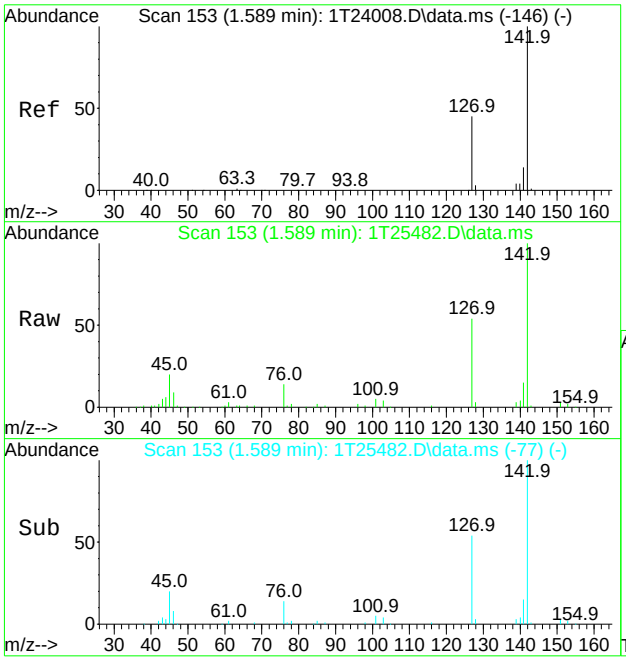


#19
acetonitrile
Concen: 671.6652 ug/L
RT: 2.129 min Scan# 256
Delta R.T. 0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 41 Resp: 279732

Ion	Ratio	Lower	Upper
41	100		
40	53.4	23.2	83.2
39	18.4	0.0	49.8

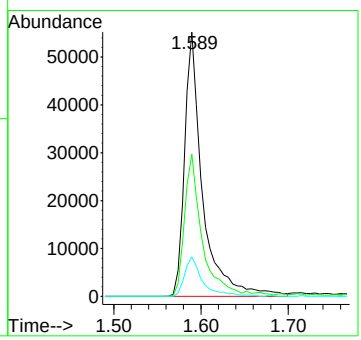


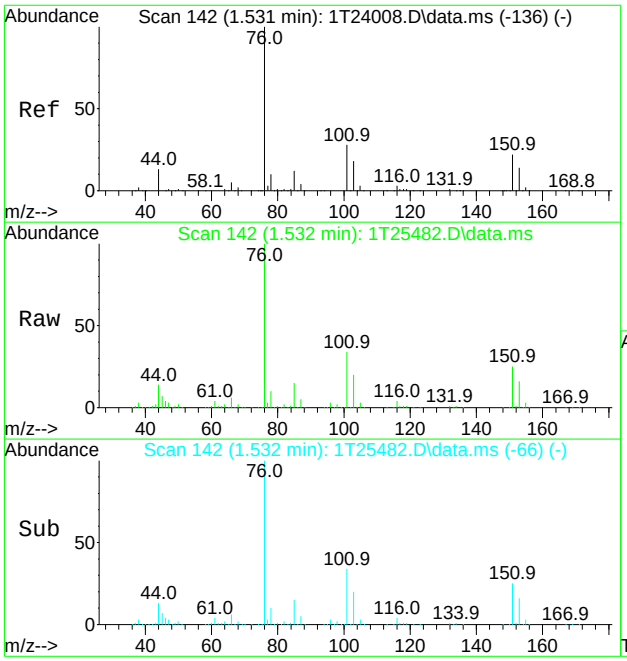


#20
iodomethane
Concen: 41.8857 ug/L
RT: 1.589 min Scan# 153
Delta R.T. 0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion:142 Resp: 79156

Ion	Ratio	Lower	Upper
142	100		
127	53.8	14.7	74.7
141	14.9	0.0	44.3

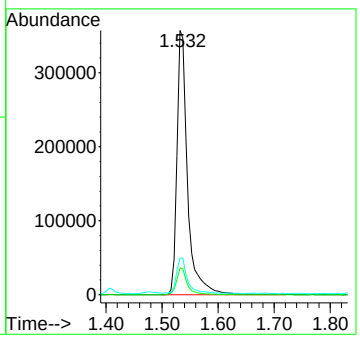


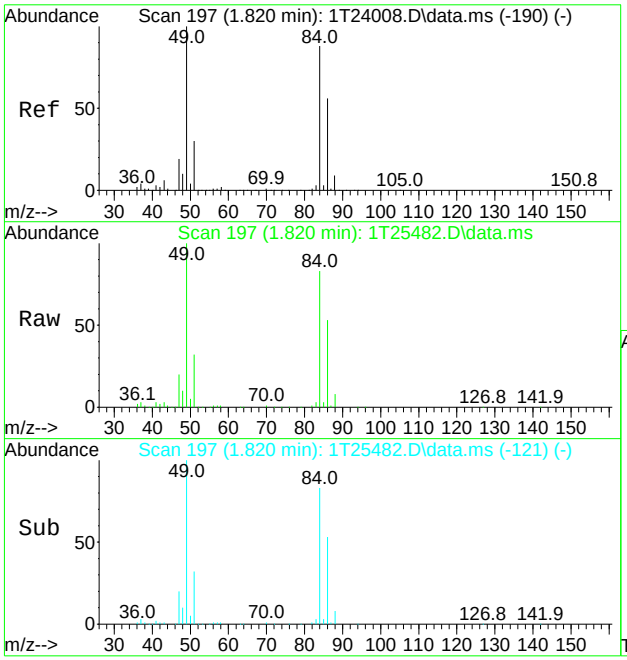


#21
carbon disulfide
Concen: 46.6785 ug/L
RT: 1.532 min Scan# 142
Delta R.T. 0.001 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 76 Resp: 468573

Ion	Ratio	Lower	Upper
76	100		
78	10.2	0.0	40.0
44	13.4	0.0	43.4

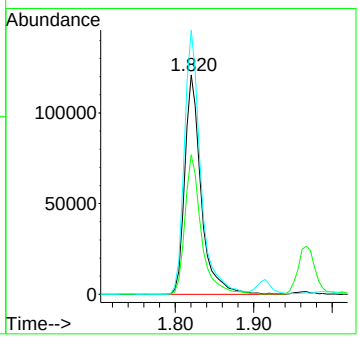


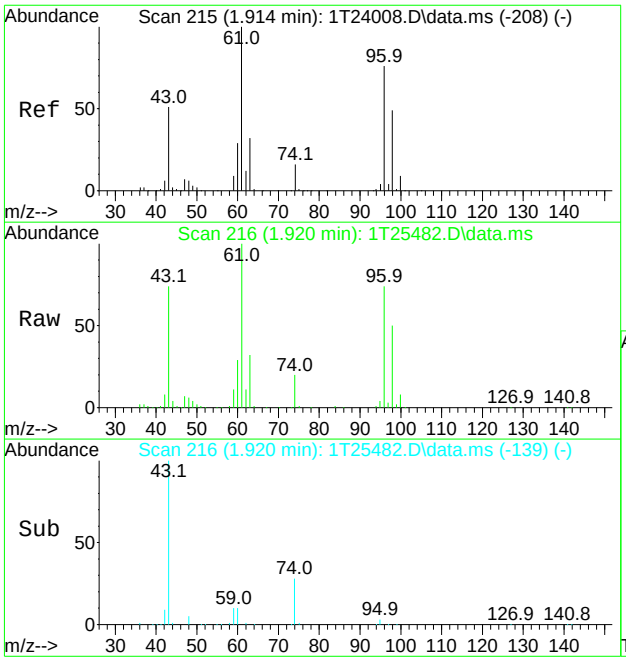


#22
methylene chloride
Concen: 45.8168 ug/L
RT: 1.820 min Scan# 197
Delta R.T. 0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 84 Resp: 175621

Ion	Ratio	Lower	Upper
84	100		
86	63.6	34.2	94.2
49	120.5	84.0	144.0

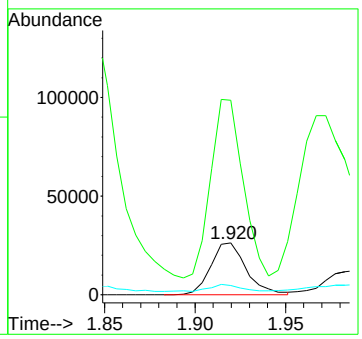


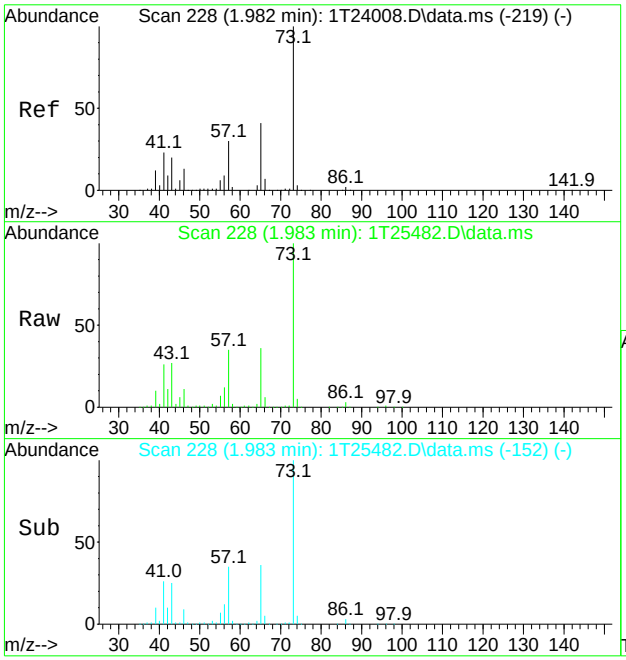


#23
methyl acetate
Concen: 49.5518 ug/L
RT: 1.920 min Scan# 216
Delta R.T. 0.006 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 74 Resp: 35922

Ion	Ratio	Lower	Upper
74	100		
43	324.7	282.8	342.8
44	11.5	0.0	42.2

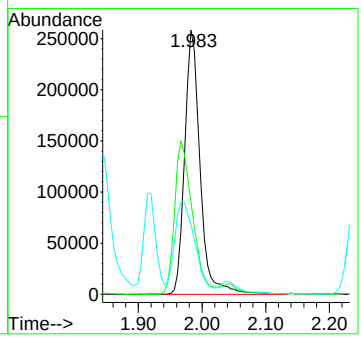


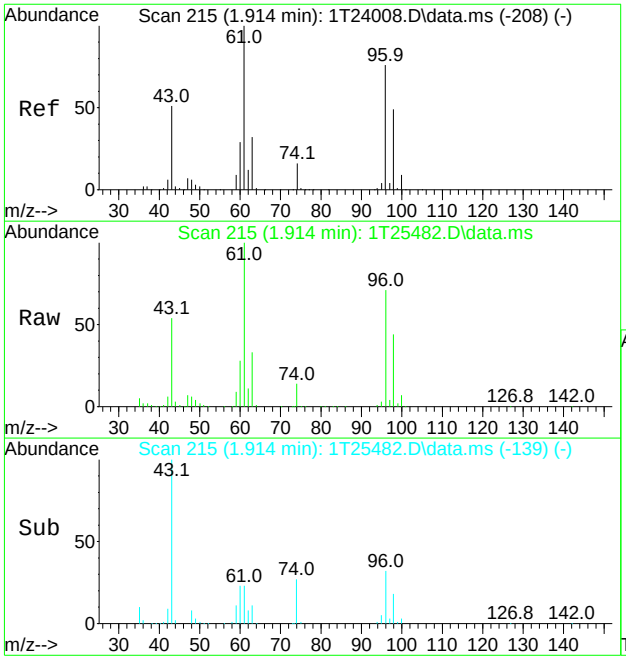


#24
methyl tert butyl ether
Concen: 53.3709 ug/L
RT: 1.983 min Scan# 228
Delta R.T. 0.001 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 73 Resp: 433994

Ion	Ratio	Lower	Upper
73	100		
57	34.7	0.0	60.0
43	26.2	0.0	55.7

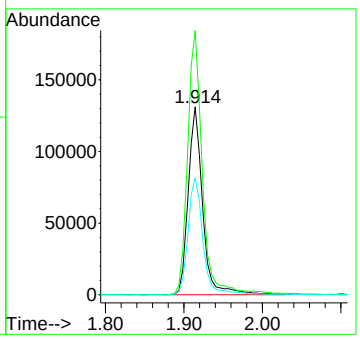


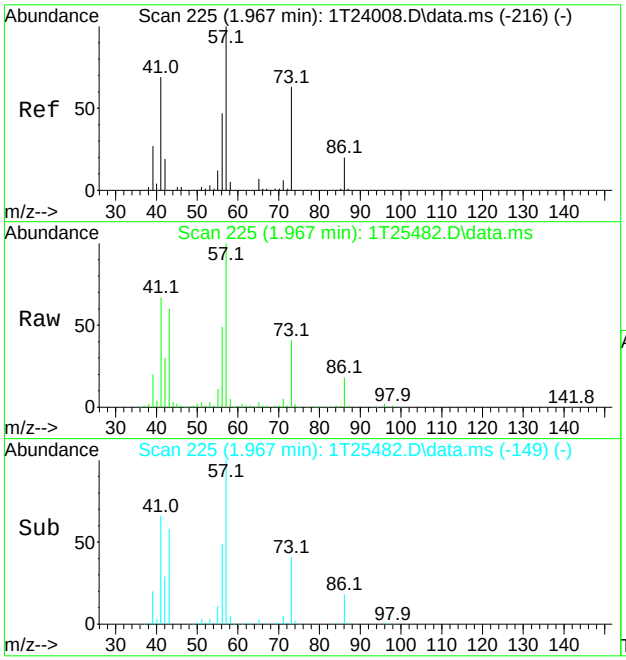


#25
trans-1,2-dichloroethene
Concen: 46.8029 ug/L
RT: 1.914 min Scan# 215
Delta R.T. 0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 96 Resp: 168537

Ion	Ratio	Lower	Upper
96	100		
61	140.7	101.0	161.0
98	62.3	34.5	94.5

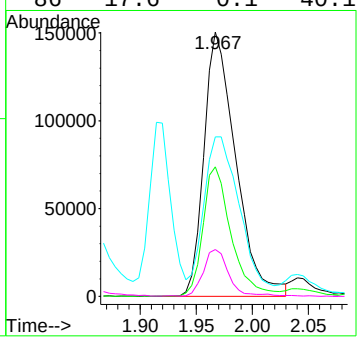


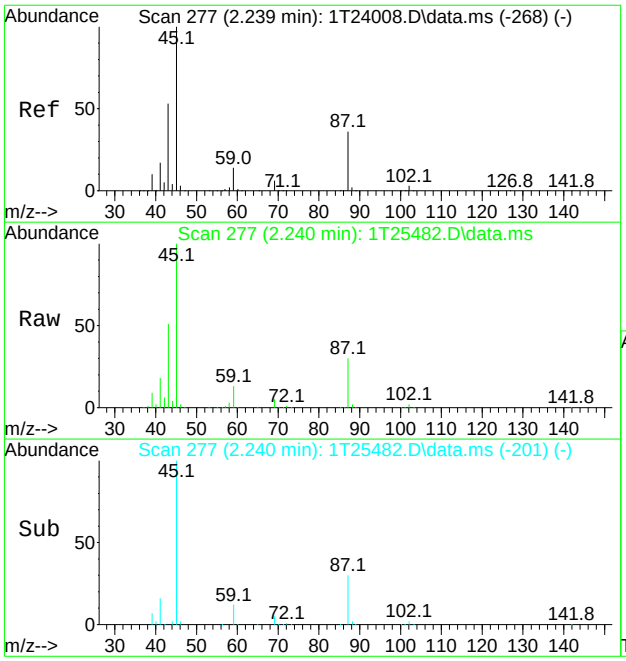


#26
hexane
Concen: 64.1568 ug/L
RT: 1.967 min Scan# 225
Delta R.T. -0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 57 Resp: 297955

Ion	Ratio	Lower	Upper
57	100		
56	48.8	27.2	67.2
43	54.3	37.1	77.1
86	17.6	0.1	40.1

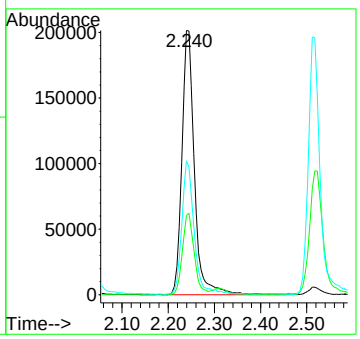


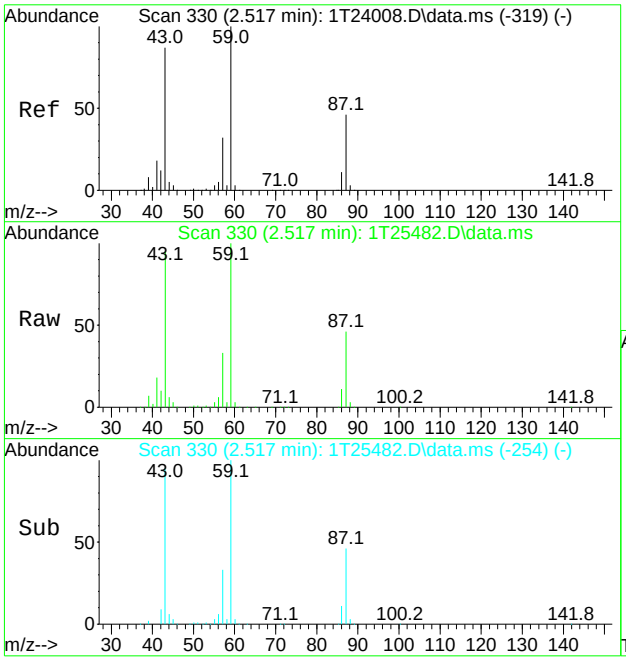


#27
di-isopropyl ether
Concen: 63.5138 ug/L
RT: 2.240 min Scan# 277
Delta R.T. 0.001 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 45 Resp: 382591

Ion	Ratio	Lower	Upper
45	100		
87	30.0	6.3	66.3
43	50.4	23.0	83.0

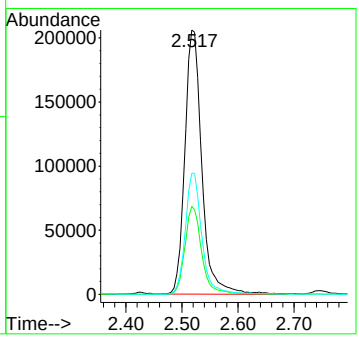


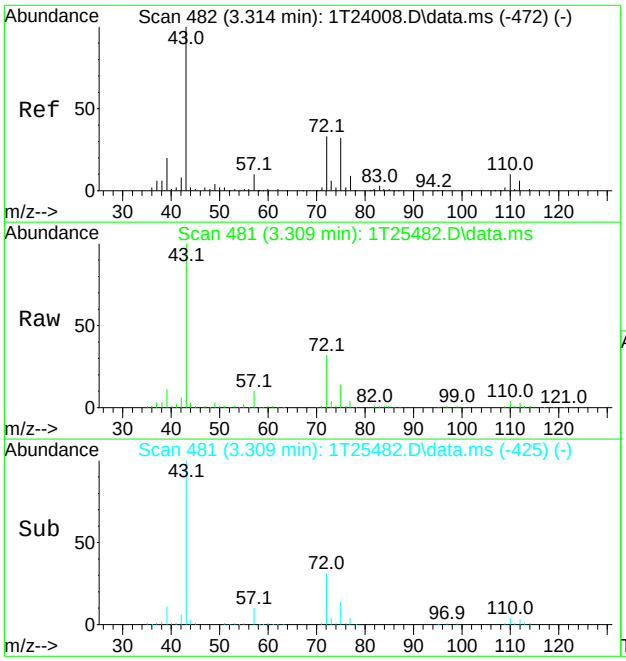


#28
ethyl tert-butyl ether
Concen: 54.5681 ug/L
RT: 2.517 min Scan# 330
Delta R.T. 0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 59 Resp: 434454

Ion	Ratio	Lower	Upper
59	100		
57	33.3	2.1	62.1
87	45.8	15.5	75.5

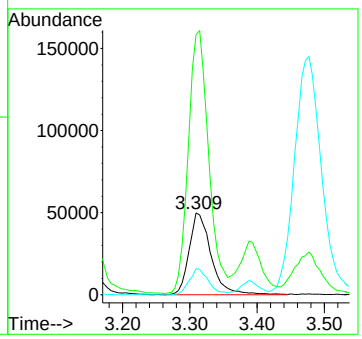


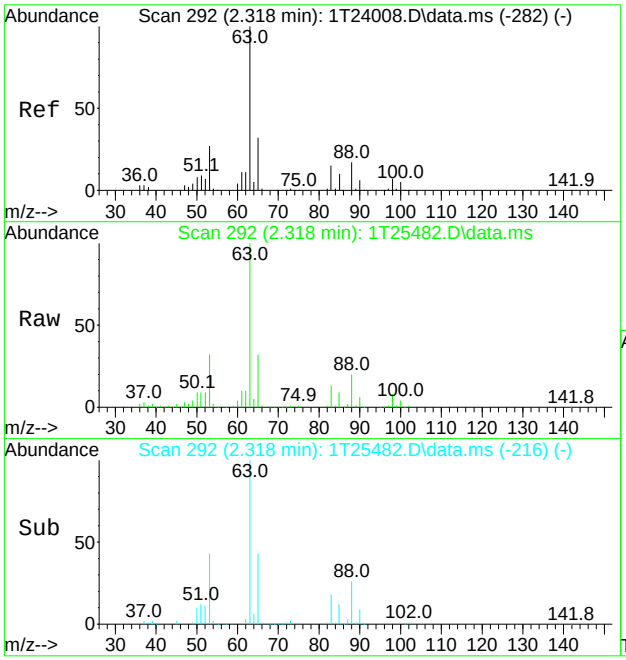


#29
2-butanone
Concen: 213.2882 ug/L
RT: 3.309 min Scan# 481
Delta R.T. -0.005 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 72 Resp: 113677

Ion	Ratio	Lower	Upper
72	100		
43	315.7	273.9	333.9
57	31.8	0.0	58.9

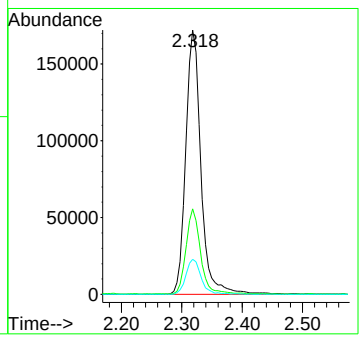


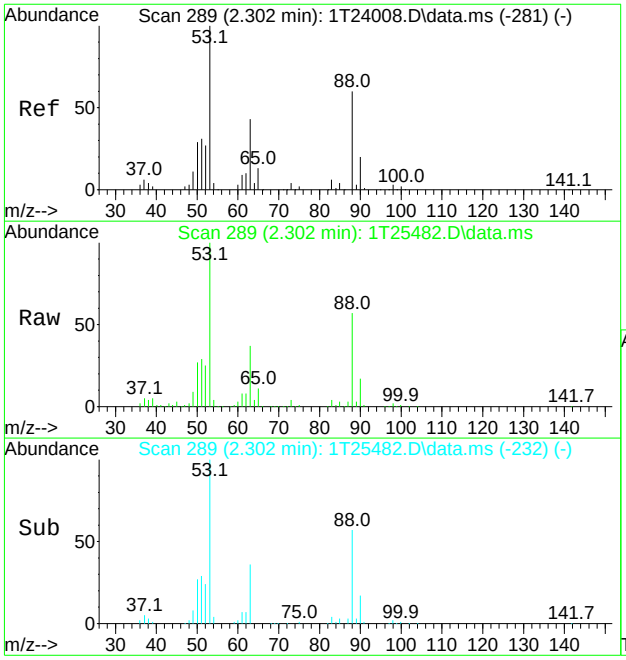


#30
1,1-dichloroethane
Concen: 55.8318 ug/L
RT: 2.318 min Scan# 292
Delta R.T. 0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 63 Resp: 302115

Ion	Ratio	Lower	Upper
63	100		
65	32.2	2.0	62.0
83	13.3	0.0	45.2

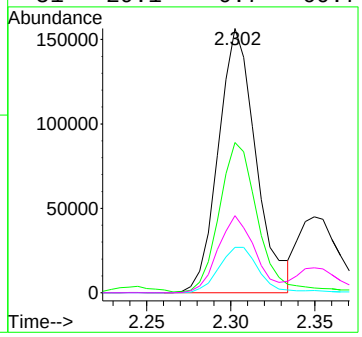


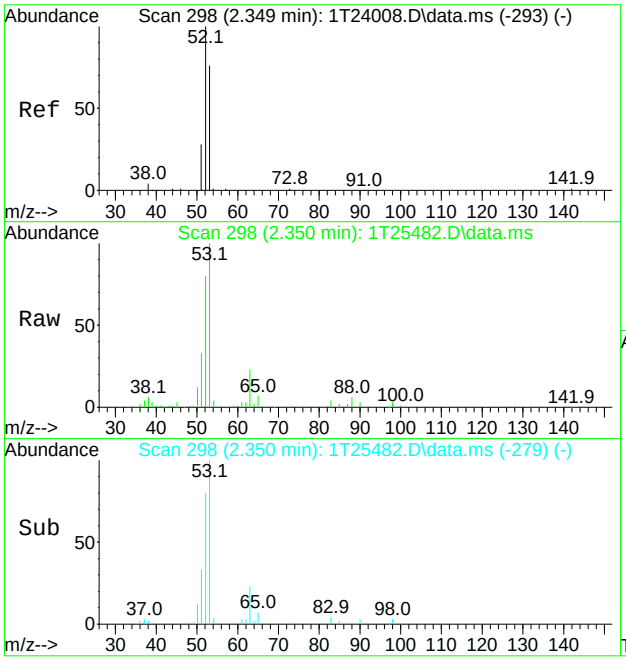


#31
chloroprene
Concen: 53.7323 ug/L
RT: 2.302 min Scan# 289
Delta R.T. 0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 53 Resp: 243911

Ion	Ratio	Lower	Upper
53	100		
88	55.7	29.5	89.5
90	17.1	0.0	49.7
51	29.1	0.7	60.7

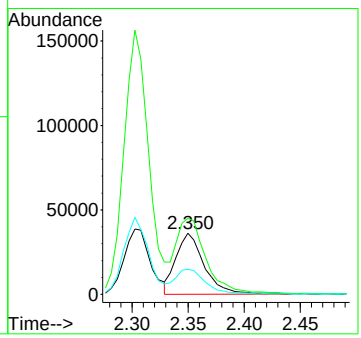


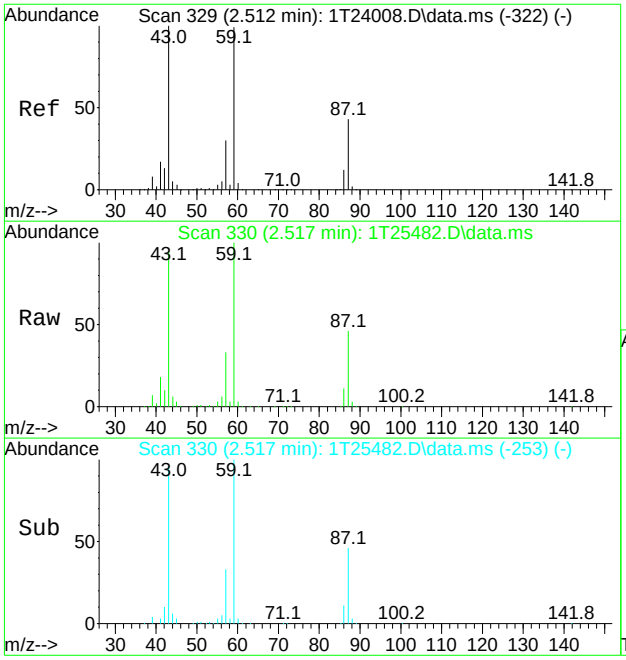


#32
acrylonitrile
Concen: 58.3491 ug/L
RT: 2.350 min Scan# 298
Delta R.T. 0.001 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 52 Resp: 62911

Ion	Ratio	Lower	Upper
52	100		
53	123.4	96.8	156.8
51	40.2	14.4	74.4

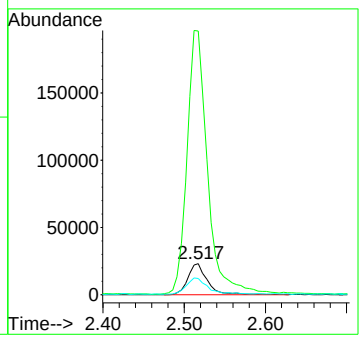


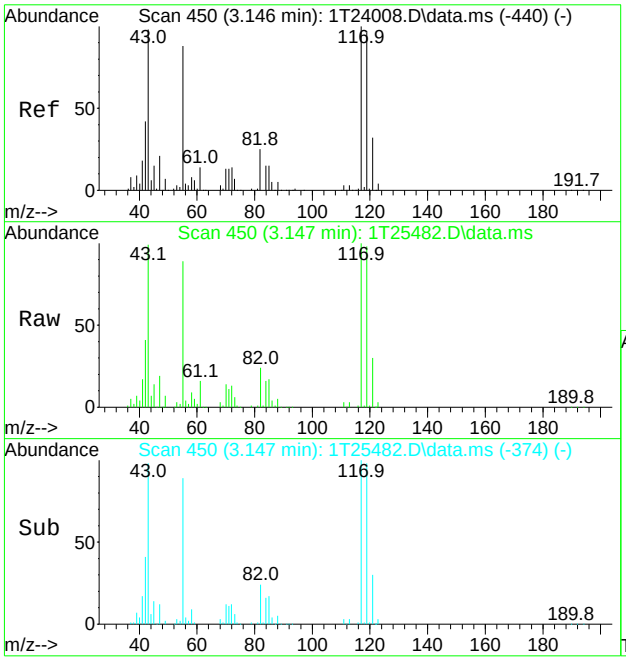


#33
vinyl acetate
Concen: 47.1693 ug/L
RT: 2.517 min Scan# 330
Delta R.T. 0.005 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 86 Resp: 39009

Ion	Ratio	Lower	Upper
86	100		
43	844.8	805.6	865.6
44	50.2	9.2	69.2

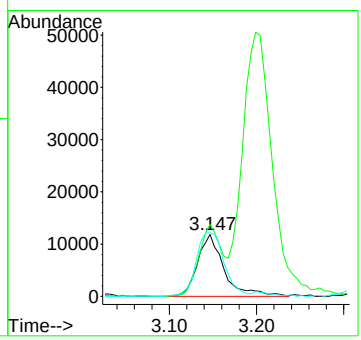


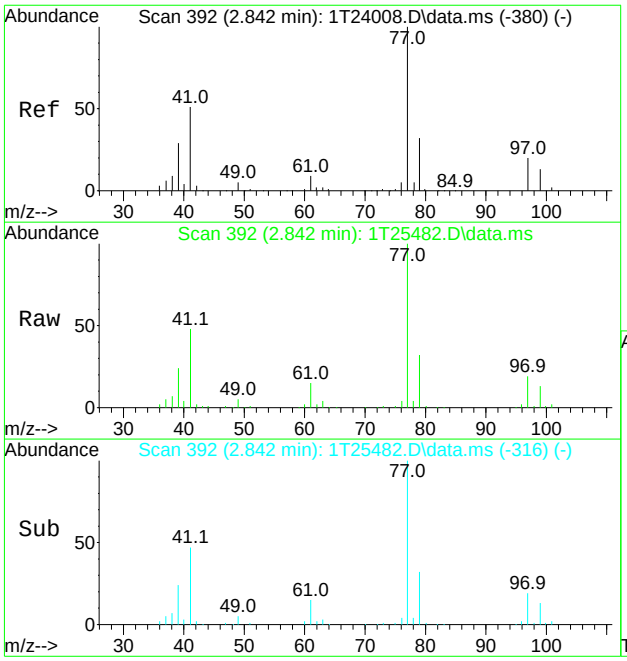


#34
ethyl acetate
Concen: 50.9344 ug/L
RT: 3.147 min Scan# 450
Delta R.T. 0.001 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 70 Resp: 25047

Ion	Ratio	Lower	Upper
70	100		
61	116.4	81.1	141.1
45	102.9	86.0	146.0

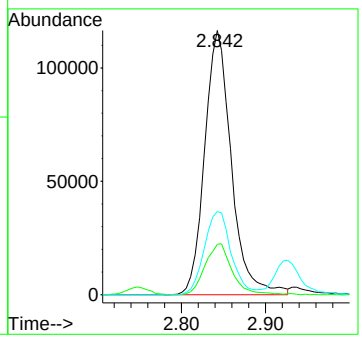


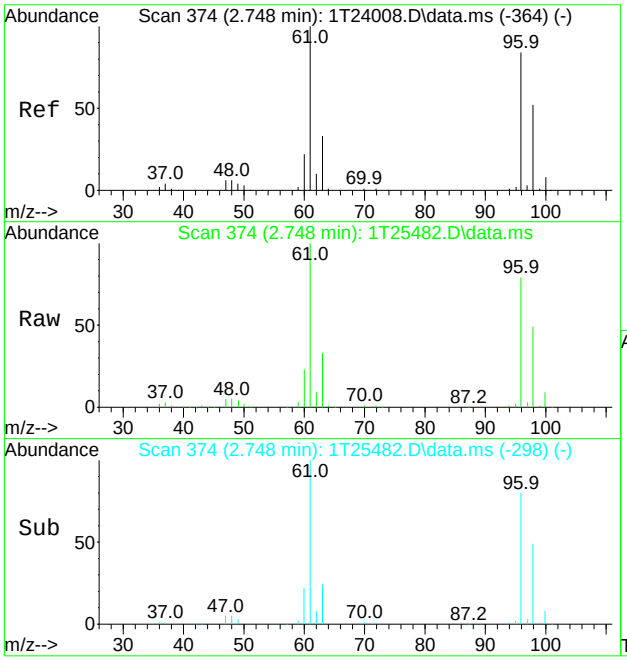


#35
2,2-dichloropropane
Concen: 57.9294 ug/L
RT: 2.842 min Scan# 392
Delta R.T. 0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 77 Resp: 257093

Ion	Ratio	Lower	Upper
77	100		
97	18.9	0.0	50.0
79	31.5	2.2	62.2

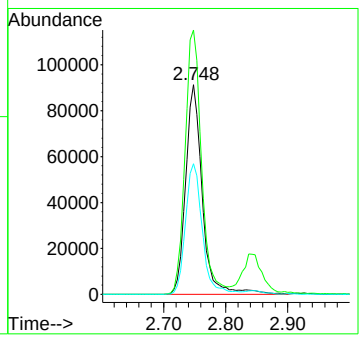


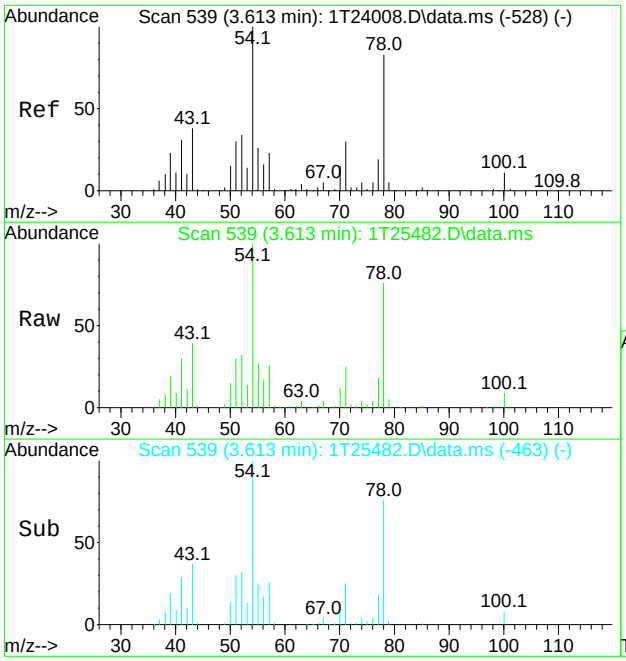


#36
cis-1,2-dichloroethene
Concen: 53.8060 ug/L
RT: 2.748 min Scan# 374
Delta R.T. 0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 96 Resp: 170635

Ion	Ratio	Lower	Upper
96	100		
61	126.1	89.4	149.4
98	62.3	32.0	92.0

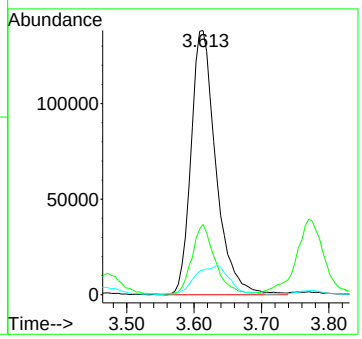


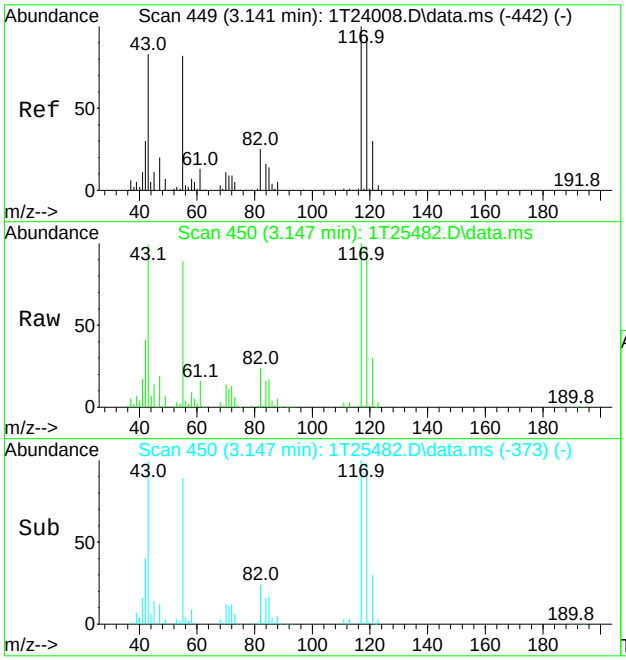


#37
propionitrile
Concen: 622.3263 ug/L
RT: 3.613 min Scan# 539
Delta R.T. 0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 54 Resp: 355235

Ion	Ratio	Lower	Upper
54	100		
55	26.3	0.0	55.9
40	9.1	0.0	41.2

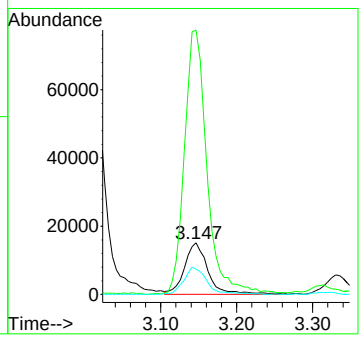


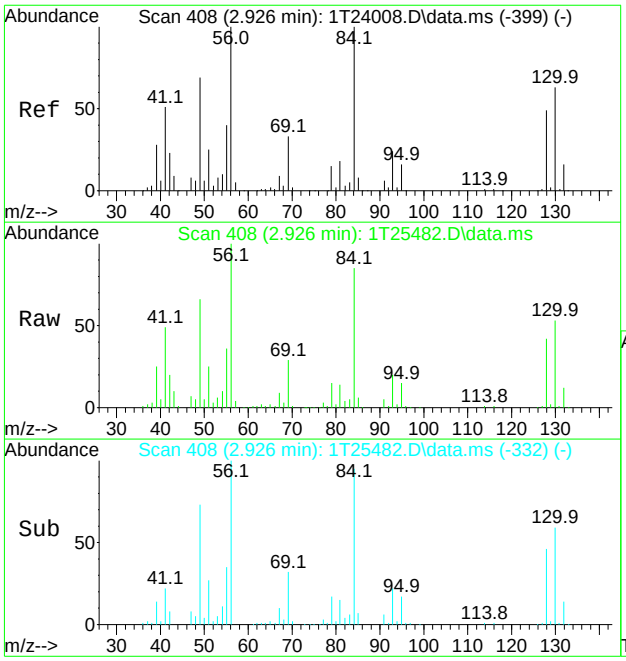


#38
methyl acrylate
Concen: 49.1764 ug/L
RT: 3.147 min Scan# 450
Delta R.T. 0.006 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 85 Resp: 32755

Ion	Ratio	Lower	Upper
85	100		
55	508.2	512.8	552.8#
58	48.9	28.3	68.3

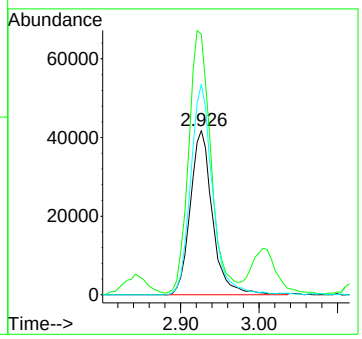


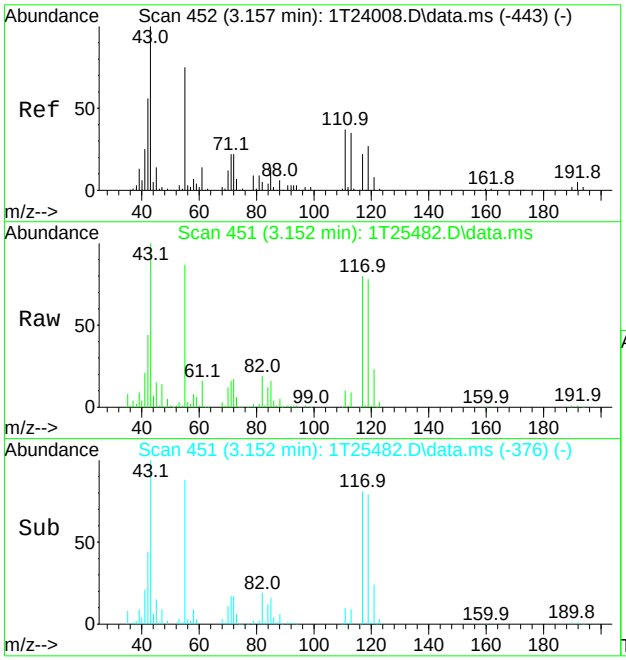


#39
bromochloromethane
Concen: 50.9157 ug/L
RT: 2.926 min Scan# 408
Delta R.T. 0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion:128 Resp: 81983

Ion	Ratio	Lower	Upper
128	100		
49	157.3	110.2	170.2
130	128.2	98.0	158.0

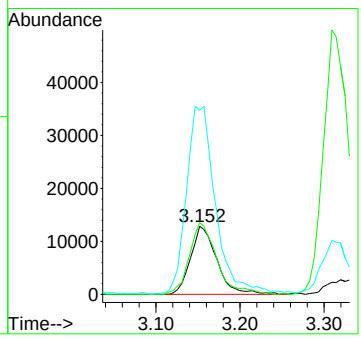


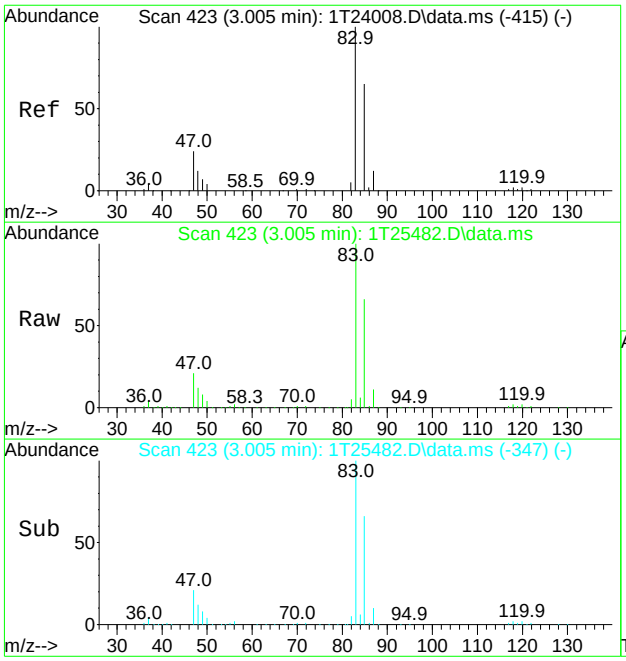


#40
tetrahydrofuran
Concen: 53.7685 ug/L
RT: 3.152 min Scan# 451
Delta R.T. -0.005 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 71 Resp: 27880

Ion	Ratio	Lower	Upper
71	100		
72	105.1	71.2	131.2
42	267.6	227.1	287.1

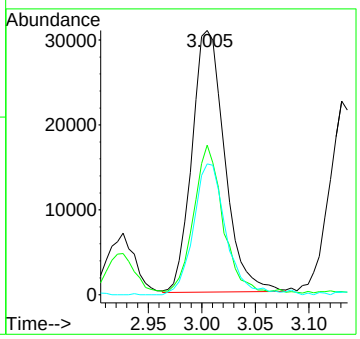


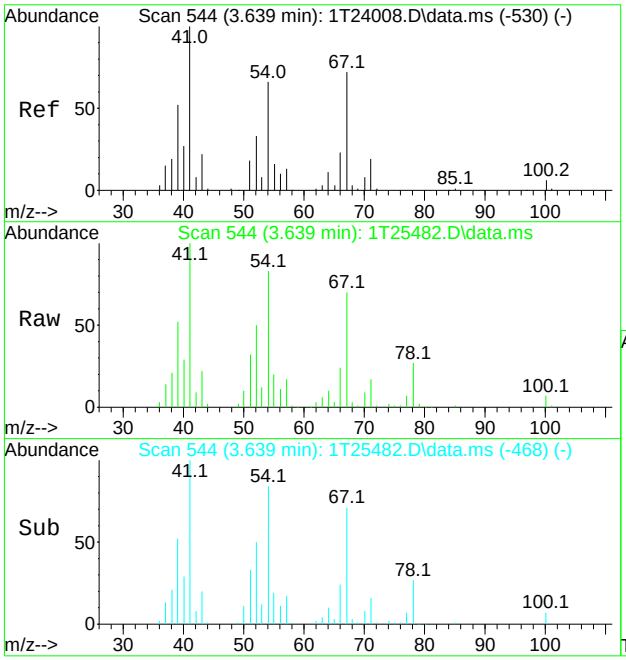


#41
chloroform
Concen: 44.1993 ug/L
RT: 3.005 min Scan# 423
Delta R.T. 0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 47 Resp: 65694

Ion	Ratio	Lower	Upper
47	100		
48	56.5	19.2	79.2
87	50.2	18.5	78.5

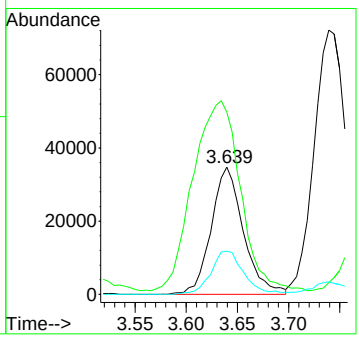


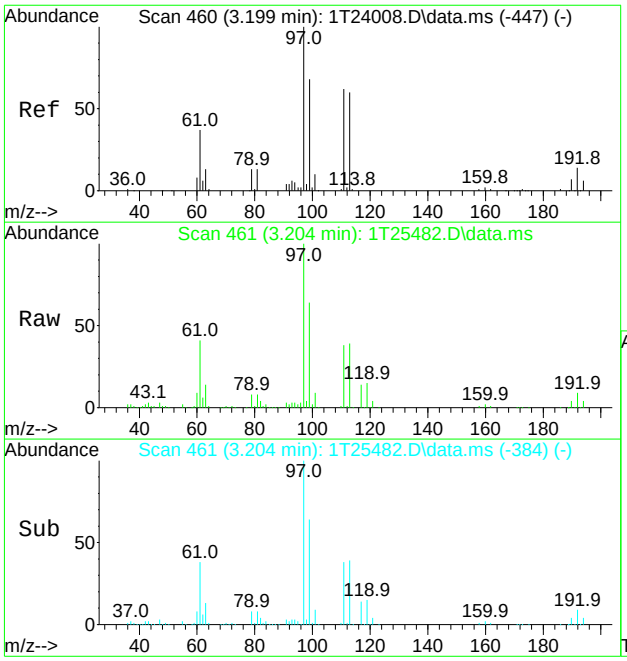


#43
methacrylonitrile
Concen: 49.2787 ug/L
RT: 3.639 min Scan# 544
Delta R.T. 0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 67 Resp: 75950

Ion	Ratio	Lower	Upper
67	100		
41	136.7	109.1	169.1
66	34.0	2.0	62.0

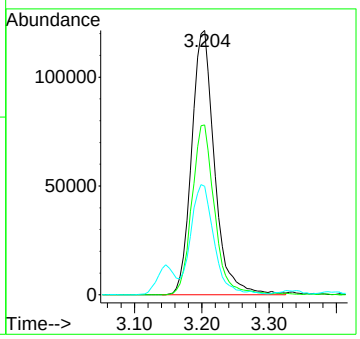


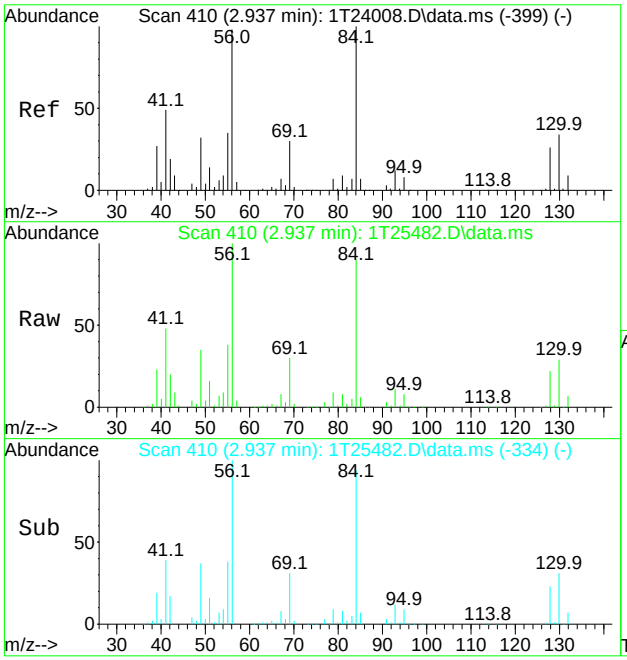


#44
1,1,1-trichloroethane
Concen: 57.6498 ug/L
RT: 3.204 min Scan# 461
Delta R.T. 0.005 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 97 Resp: 288038

Ion	Ratio	Lower	Upper
97	100		
99	64.2	38.0	98.0
61	39.5	11.6	71.6

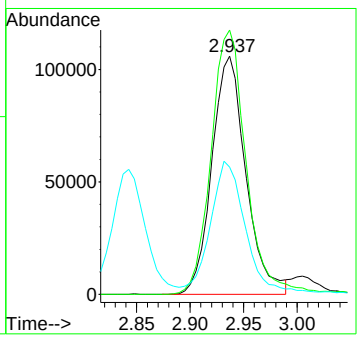


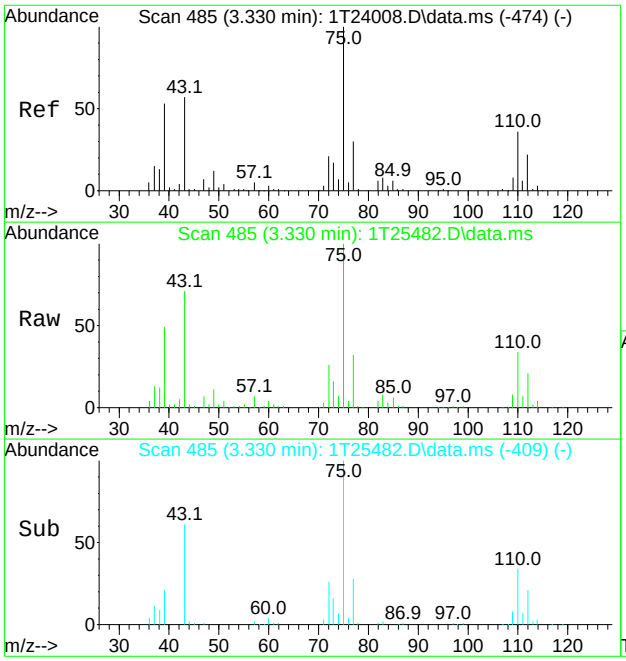


#45
cyclohexane
Concen: 52.3221 ug/L
RT: 2.937 min Scan# 410
Delta R.T. -0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 84 Resp: 234551

Ion	Ratio	Lower	Upper
84	100		
56	111.0	78.4	118.4
41	51.2	30.2	70.2

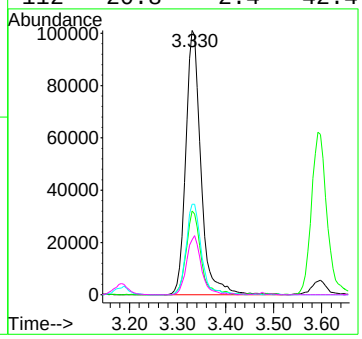


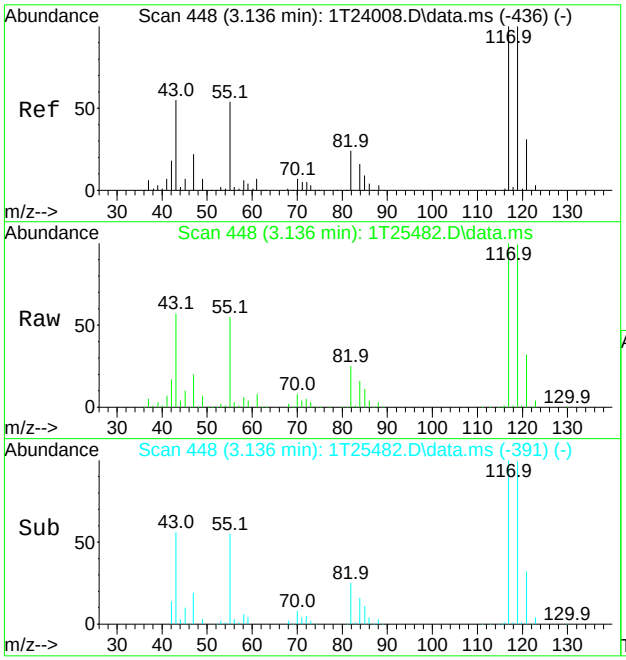


#46
1,1-dichloropropene
Concen: 52.6555 ug/L
RT: 3.330 min Scan# 485
Delta R.T. 0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 75 Resp: 222119

Ion	Ratio	Lower	Upper
75	100		
77	31.7	9.7	49.7
110	34.2	15.7	55.7
112	20.8	2.4	42.4

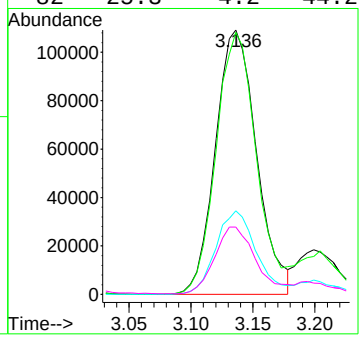


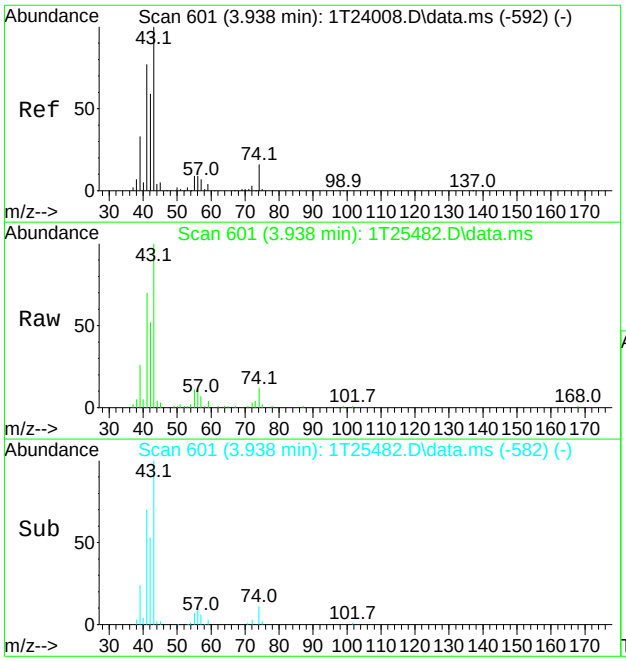


#47
carbon tetrachloride
Concen: 56.8950 ug/L
RT: 3.136 min Scan# 448
Delta R.T. 0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion:117 Resp: 251873

Ion	Ratio	Lower	Upper
117	100		
119	99.1	80.5	120.5
121	31.6	11.1	51.1
82	25.3	4.2	44.2

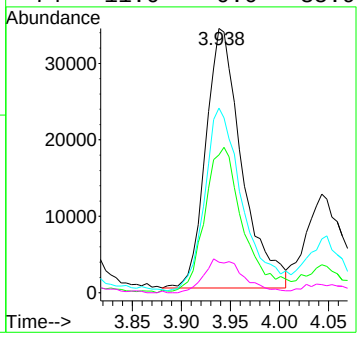


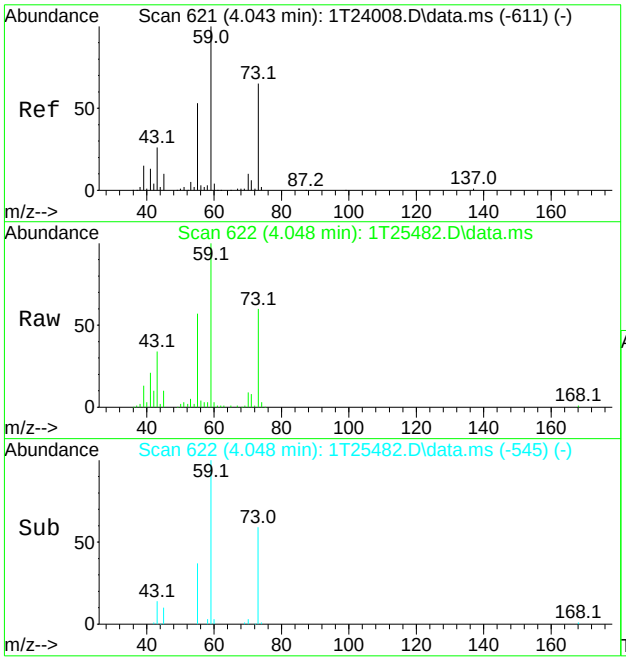


#48
isobutyl alcohol
Concen: 730.2899 ug/L
RT: 3.938 min Scan# 601
Delta R.T. 0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 43 Resp: 87186

Ion	Ratio	Lower	Upper
43	100		
42	52.2	39.1	79.1
41	69.9	57.3	97.3
74	11.0	0.0	35.9

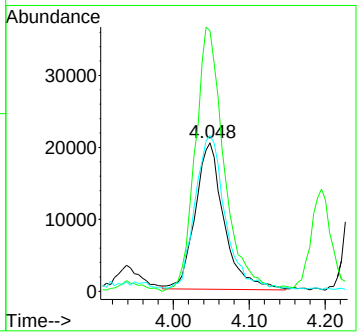


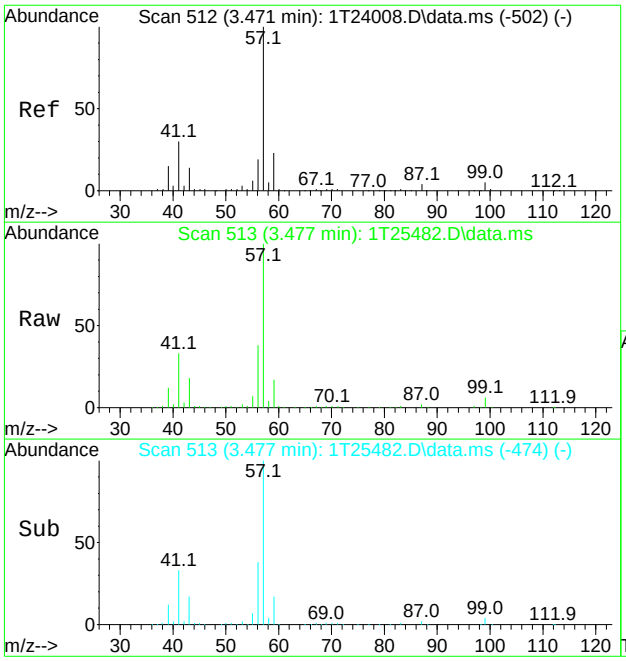


#49
tert-amyl alcohol
Concen: 332.3492 ug/L
RT: 4.048 min Scan# 622
Delta R.T. 0.005 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 55 Resp: 53743

Ion	Ratio	Lower	Upper
55	100		
59	178.4	167.3	207.3
73	104.1	102.0	142.0

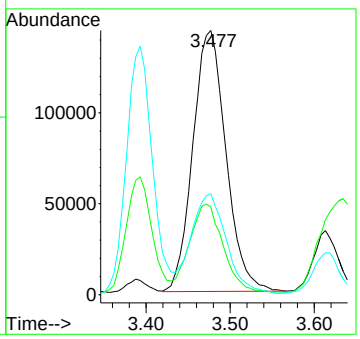


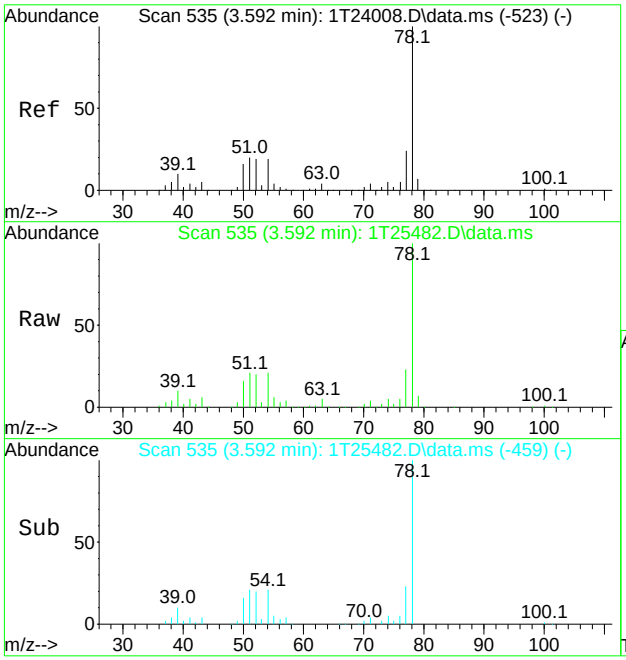


#52
iso-octane
Concen: 61.4612 ug/L
RT: 3.477 min Scan# 513
Delta R.T. 0.006 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 57 Resp: 392711

Ion	Ratio	Lower	Upper
57	100		
41	32.8	17.8	57.8
56	37.9	15.2	55.2

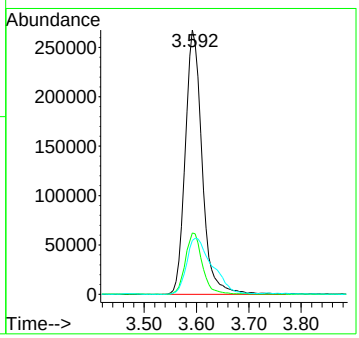


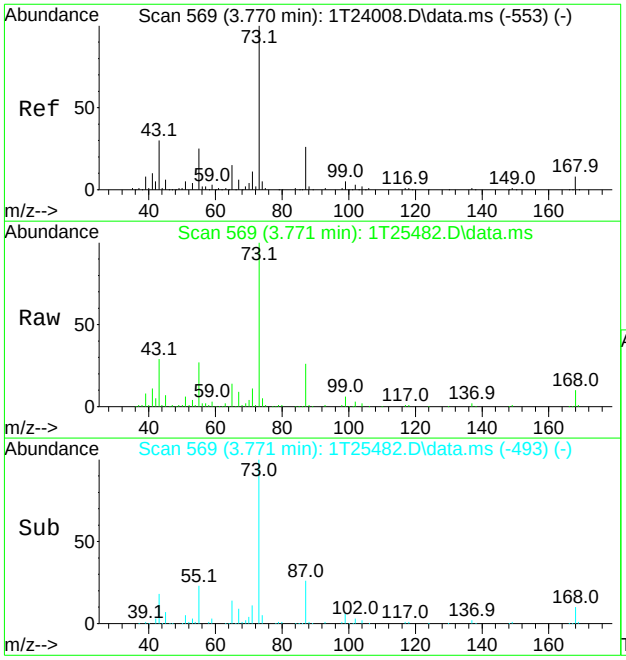


#53
benzene
Concen: 54.2126 ug/L
RT: 3.592 min Scan# 535
Delta R.T. 0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 78 Resp: 600516

Ion	Ratio	Lower	Upper
78	100		
77	23.2	0.0	54.3
52	20.4	0.0	48.8

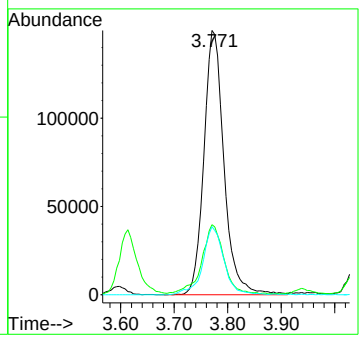


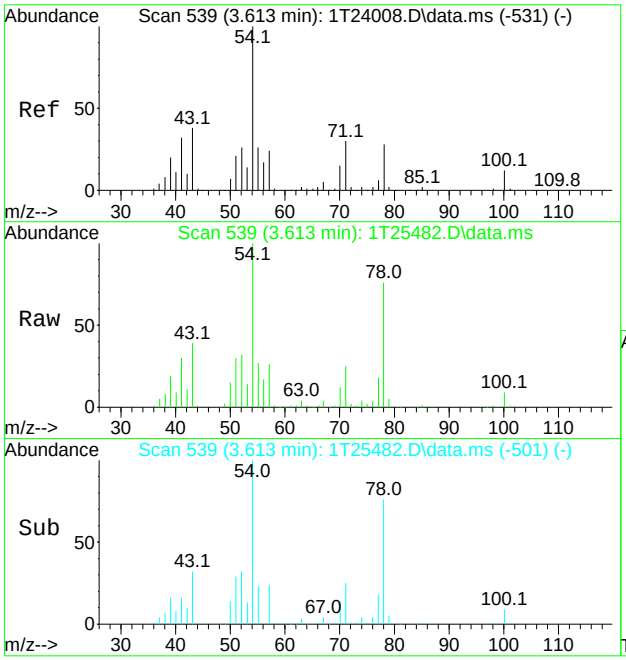


#54
tert-amyl methyl ether
Concen: 53.2705 ug/L
RT: 3.771 min Scan# 569
Delta R.T. 0.001 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 73 Resp: 390976

Ion	Ratio	Lower	Upper
73	100		
55	25.9	5.6	45.6
87	25.8	6.1	46.1

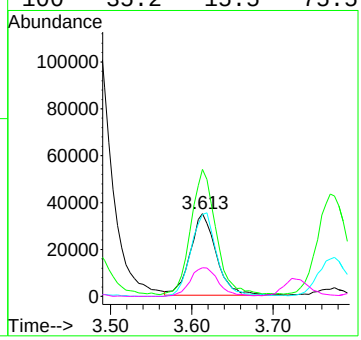


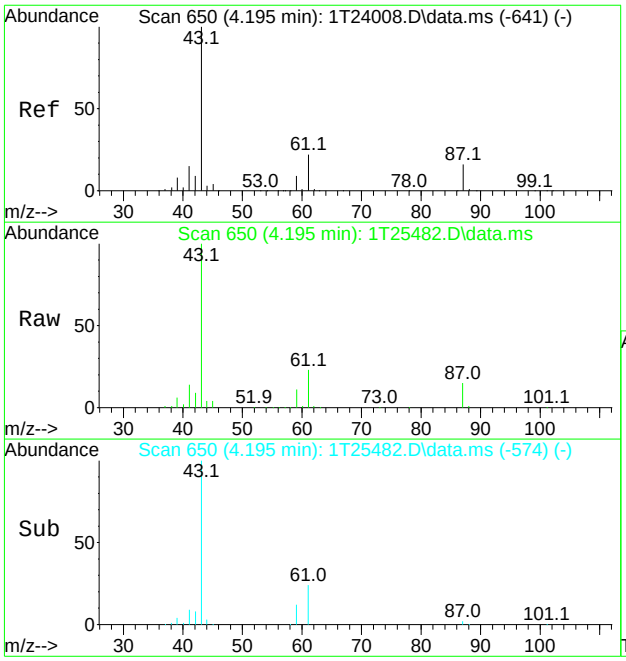


#55
heptane
Concen: 61.9764 ug/L
RT: 3.613 min Scan# 539
Delta R.T. 0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 57 Resp: 77076

Ion	Ratio	Lower	Upper
57	100		
43	151.9	120.9	180.9
71	100.3	89.7	149.7
100	35.2	15.5	75.5

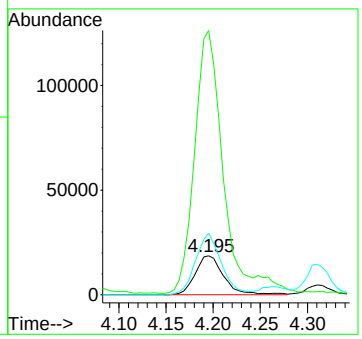


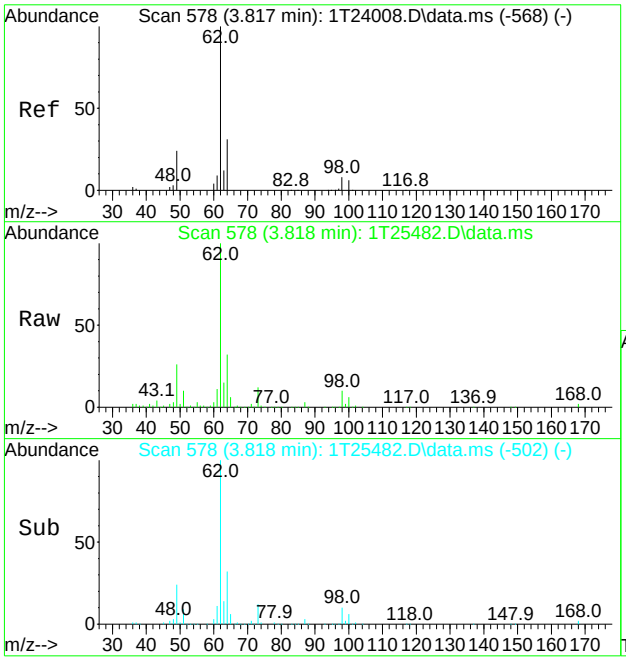


#56
isopropyl acetate
Concen: 44.5892 ug/L
RT: 4.195 min Scan# 650
Delta R.T. 0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 87 Resp: 39322

Ion	Ratio	Lower	Upper
87	100		
43	675.0	606.7	666.7#
61	158.5	109.0	169.0

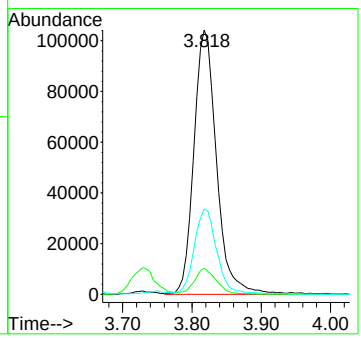


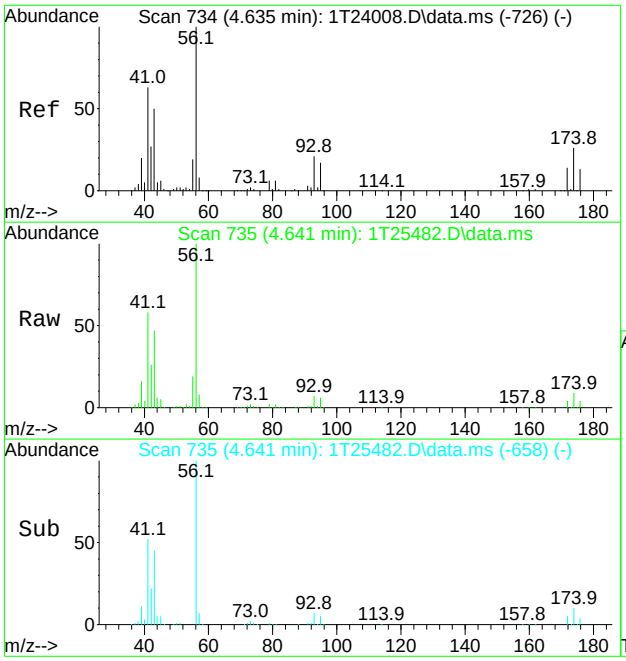


#57
1,2-dichloroethane
Concen: 49.2226 ug/L
RT: 3.818 min Scan# 578
Delta R.T. 0.001 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 62 Resp: 237176

Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	39.3
64	32.3	1.8	61.8

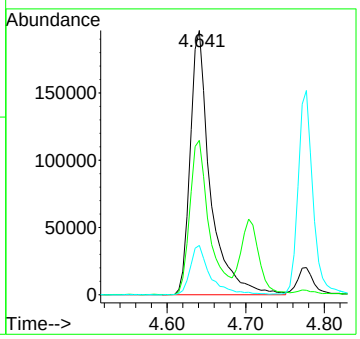


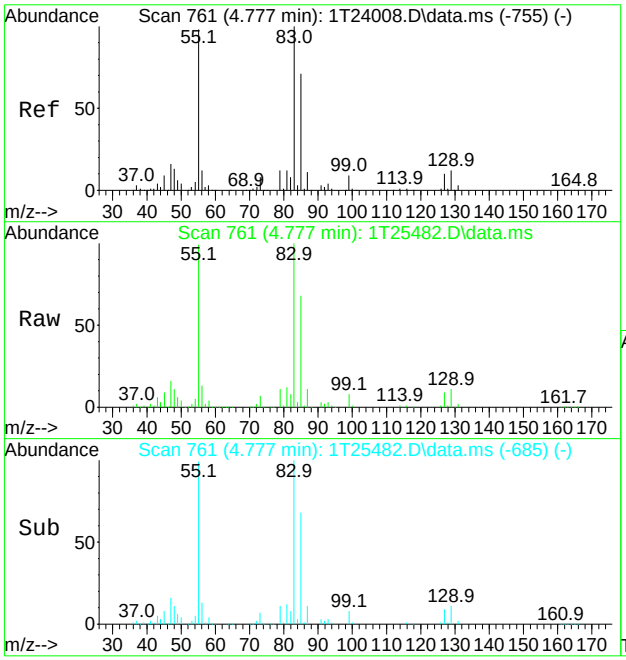


#58
n-butyl alcohol
Concen: 4084.3869 ug/L
RT: 4.641 min Scan# 735
Delta R.T. 0.006 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 56 Resp: 349896

Ion	Ratio	Lower	Upper
56	100		
41	58.4	42.6	82.6
55	18.7	0.0	38.9

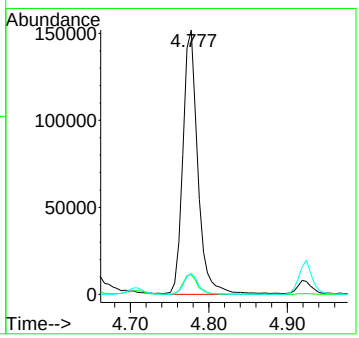


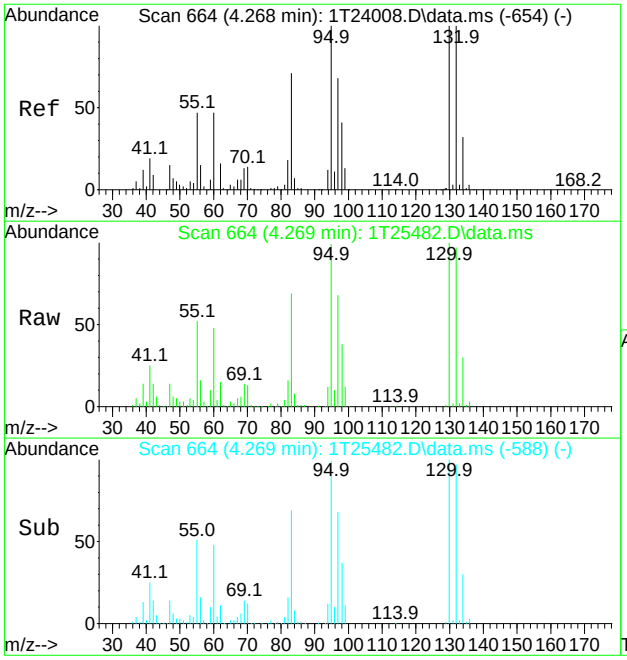


#59
ethyl acrylate
Concen: 57.9722 ug/L
RT: 4.777 min Scan# 761
Delta R.T. 0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 55 Resp: 202136

Ion	Ratio	Lower	Upper
55	100		
73	7.5	0.0	37.8
99	7.9	0.0	39.3

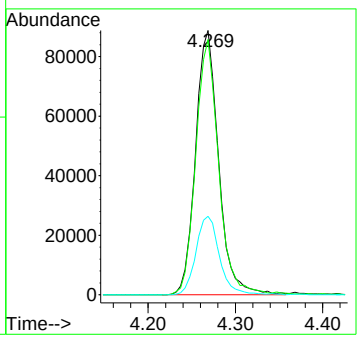


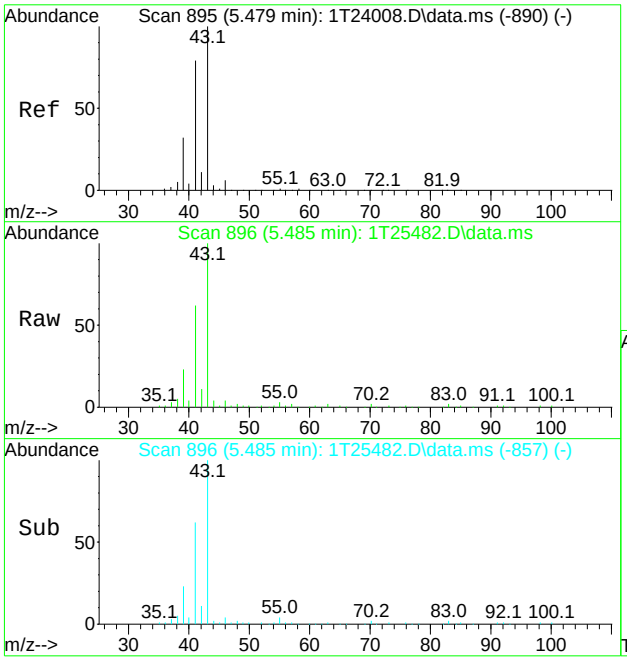


#60
trichloroethene
Concen: 53.8727 ug/L
RT: 4.269 min Scan# 664
Delta R.T. 0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion:130 Resp: 162918

Ion	Ratio	Lower	Upper
130	100		
132	96.6	69.8	129.8
134	29.6	2.3	62.3

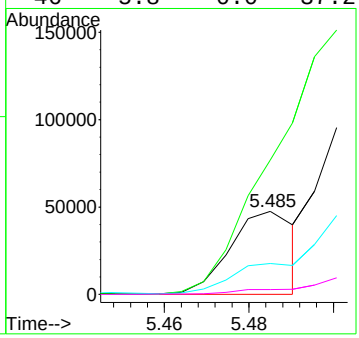


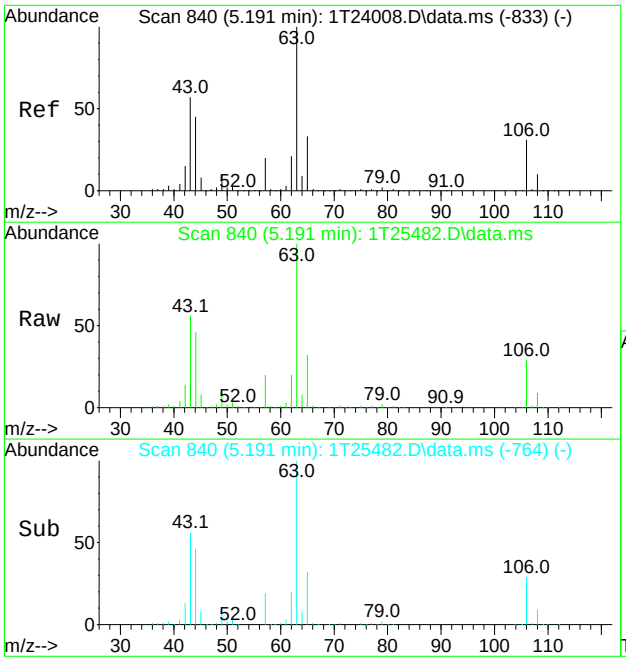


#61
2-nitropropane
Concen: 47.3446 ug/L m
RT: 5.485 min Scan# 896
Delta R.T. 0.006 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 41 Resp: 50865

Ion	Ratio	Lower	Upper
41	100		
43	162.0	96.2	156.2#
39	37.2	11.9	71.9
46	5.8	0.0	37.2

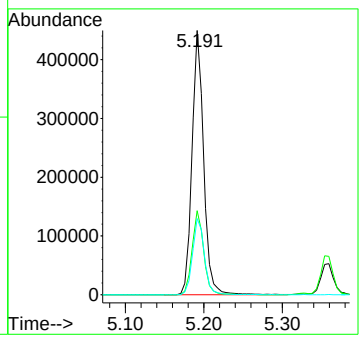


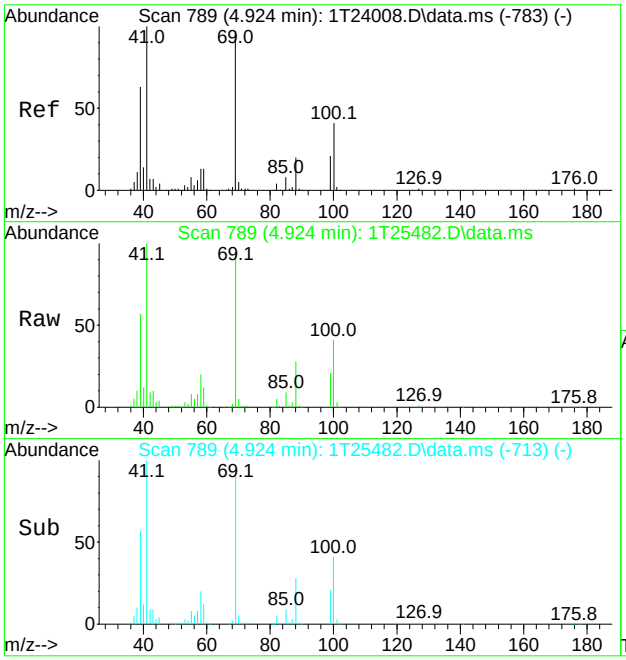


#62
2-chloroethyl vinyl ether
Concen: 229.2780 ug/L
RT: 5.191 min Scan# 840
Delta R.T. 0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 63 Resp: 464460

Ion	Ratio	Lower	Upper
63	100		
65	31.8	2.7	62.7
106	28.8	0.6	60.6

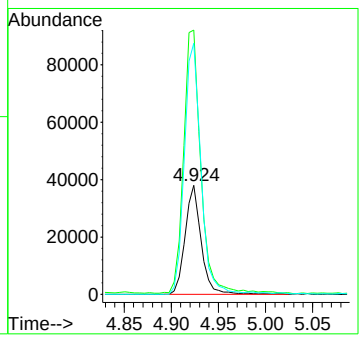


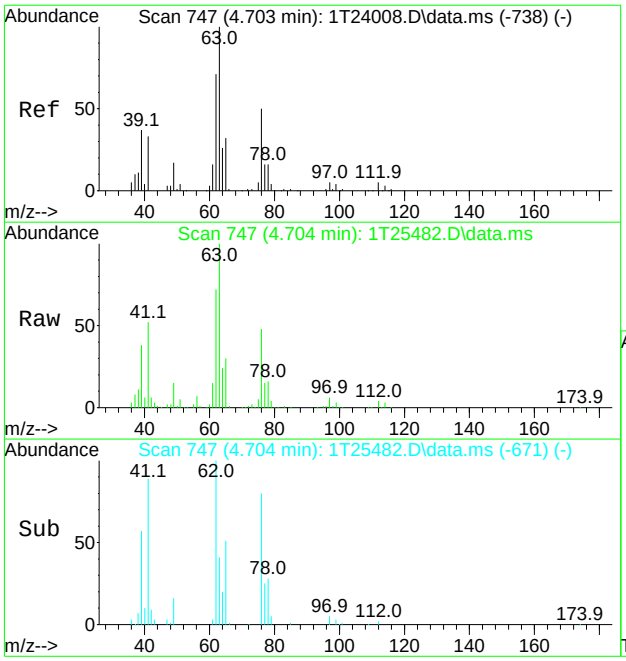


#63
methyl methacrylate
Concen: 51.1565 ug/L
RT: 4.924 min Scan# 789
Delta R.T. 0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion:100 Resp: 45216

Ion	Ratio	Lower	Upper
100	100		
41	240.5	214.5	274.5
69	230.1	207.6	267.6

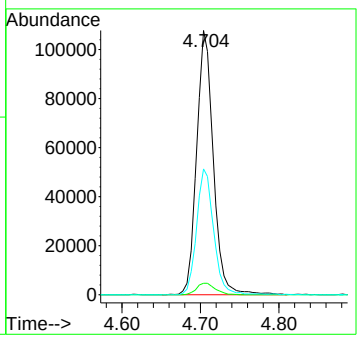


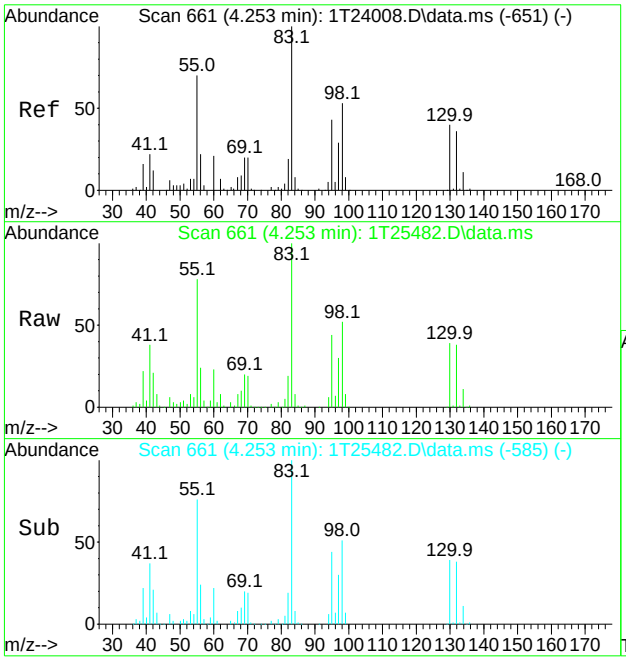


#64
1,2-dichloropropane
Concen: 56.3928 ug/L
RT: 4.704 min Scan# 747
Delta R.T. 0.001 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 63 Resp: 159518

Ion	Ratio	Lower	Upper
63	100		
112	4.3	0.0	34.7
76	47.6	20.1	80.1

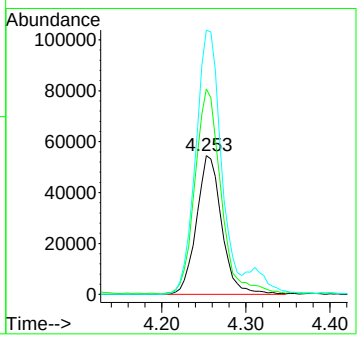


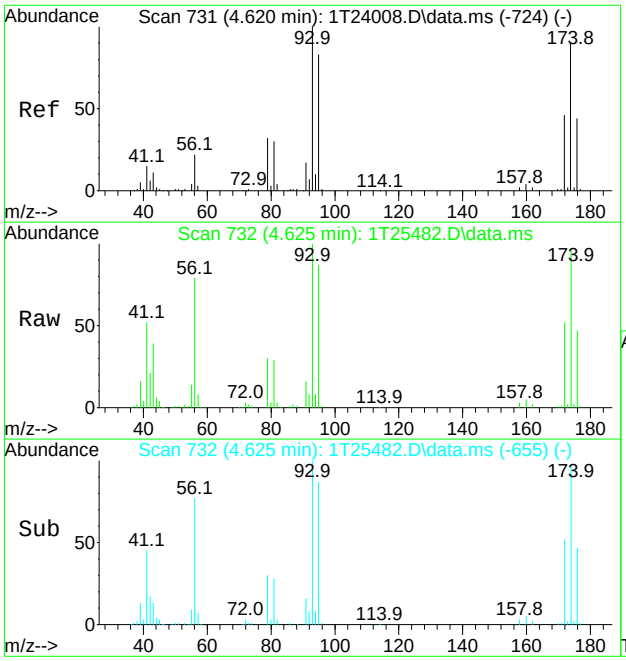


#65
methylcyclohexane
Concen: 53.6945 ug/L
RT: 4.253 min Scan# 661
Delta R.T. -0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 98 Resp: 113638

Ion	Ratio	Lower	Upper
98	100		
55	147.7	102.6	162.6
83	190.6	188.2	188.2#

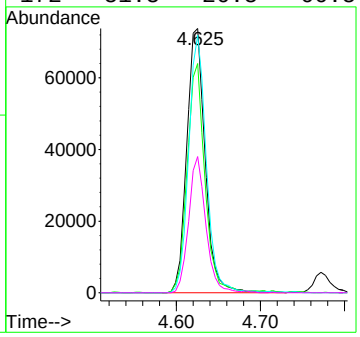


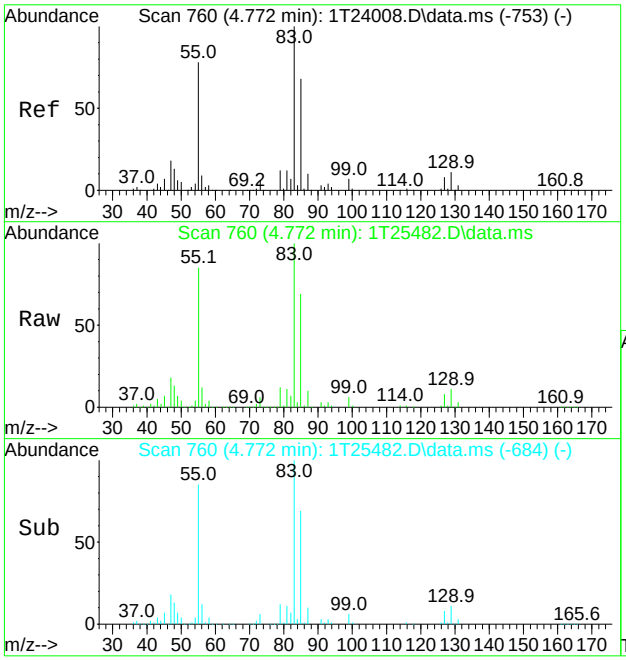


#66
dibromomethane
Concen: 47.0874 ug/L
RT: 4.625 min Scan# 732
Delta R.T. 0.005 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 93 Resp: 112469

Ion	Ratio	Lower	Upper
93	100		
95	86.7	53.3	113.3
174	97.4	59.6	119.6
172	51.5	26.5	66.5

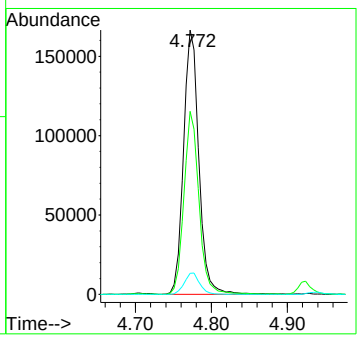


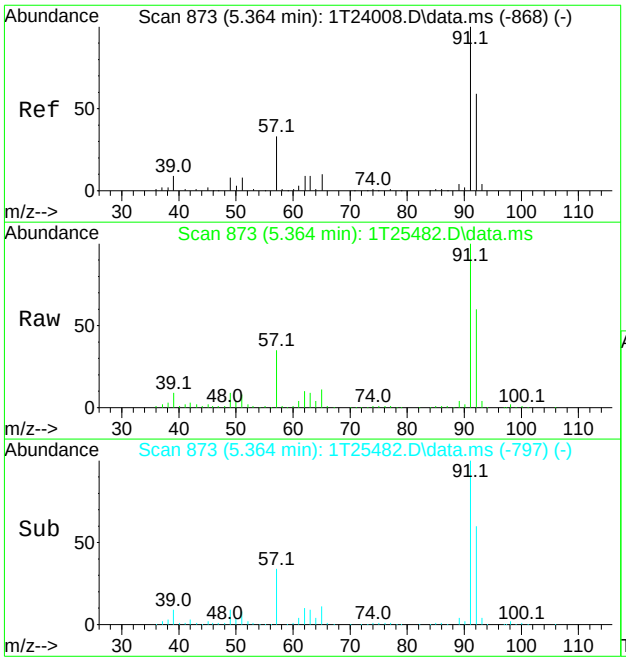


#67
bromodichloromethane
Concen: 51.8551 ug/L
RT: 4.772 min Scan# 760
Delta R.T. -0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 83 Resp: 234064

Ion	Ratio	Lower	Upper
83	100		
85	69.2	38.0	98.0
127	7.9	0.0	38.3

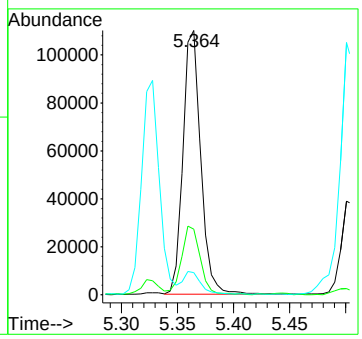


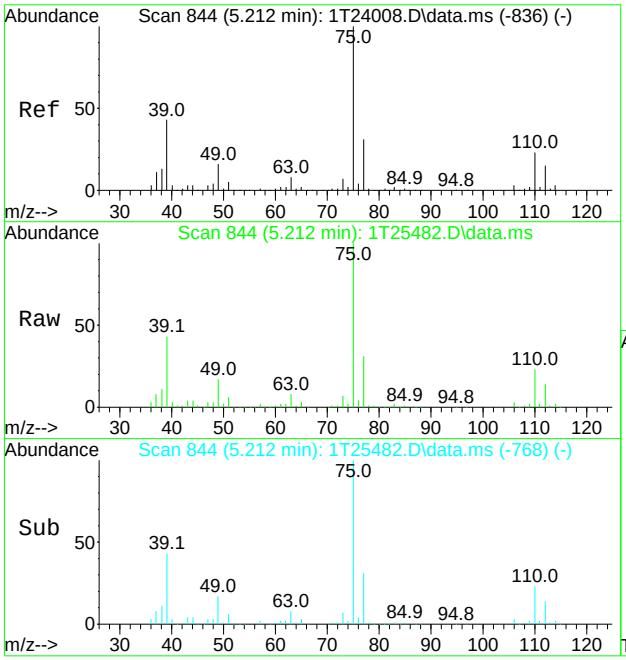


#68
epichlorohydrin
Concen: 292.9658 ug/L
RT: 5.364 min Scan# 873
Delta R.T. 0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 57 Resp: 121573

Ion	Ratio	Lower	Upper
57	100		
49	24.4	5.6	45.6
42	8.2	0.0	29.5

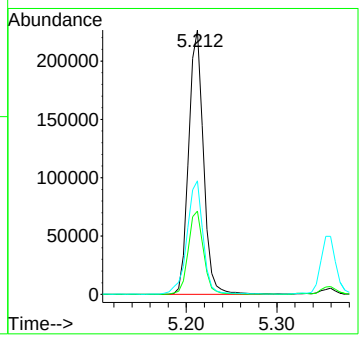


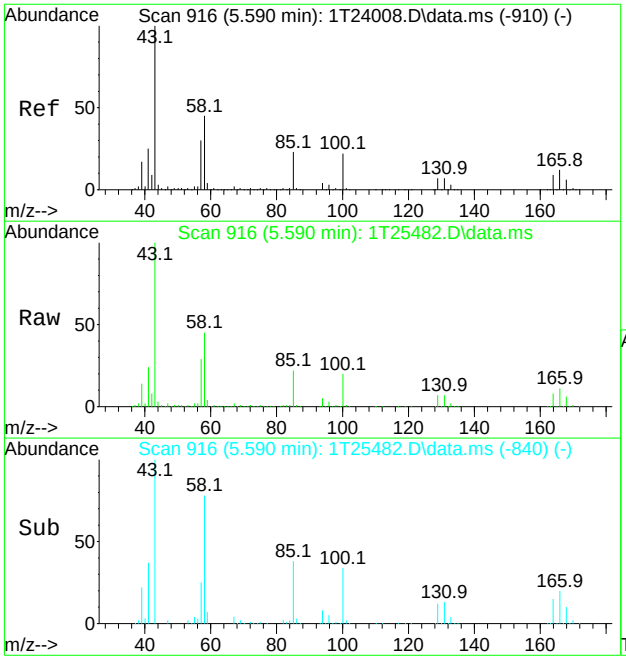


#69
cis-1,3-dichloropropene
Concen: 50.9652 ug/L
RT: 5.212 min Scan# 844
Delta R.T. 0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 75 Resp: 258867

Ion	Ratio	Lower	Upper
75	100		
77	31.5	1.4	61.4
39	42.9	13.3	73.3

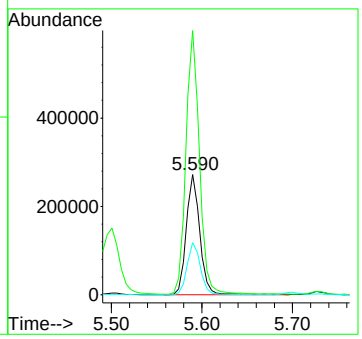


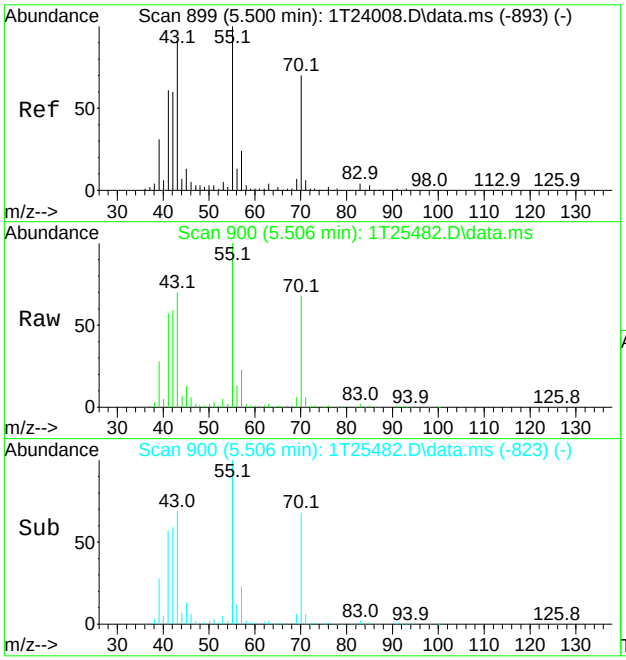


#70
4-methyl-2-pentanone
Concen: 228.3116 ug/L
RT: 5.590 min Scan# 916
Delta R.T. -0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 58 Resp: 284275

Ion	Ratio	Lower	Upper
58	100		
43	219.4	192.2	252.2
100	43.3	18.2	78.2

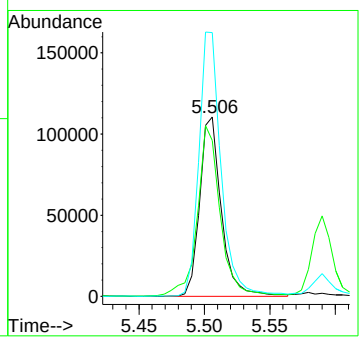


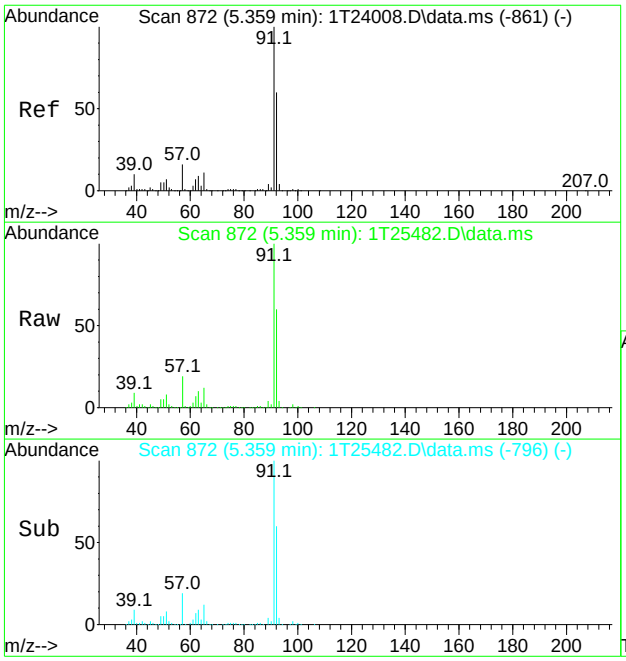


#71
3-methyl-1-butanol
Concen: 1260.6492 ug/L
RT: 5.506 min Scan# 900
Delta R.T. 0.006 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 70 Resp: 127518

Ion	Ratio	Lower	Upper
70	100		
42	86.1	54.9	114.9
55	146.8	112.0	172.0

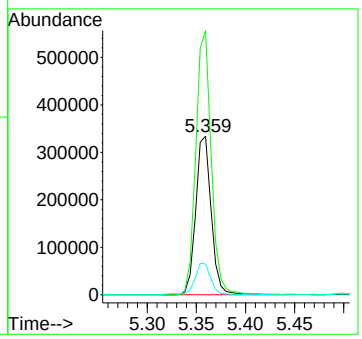


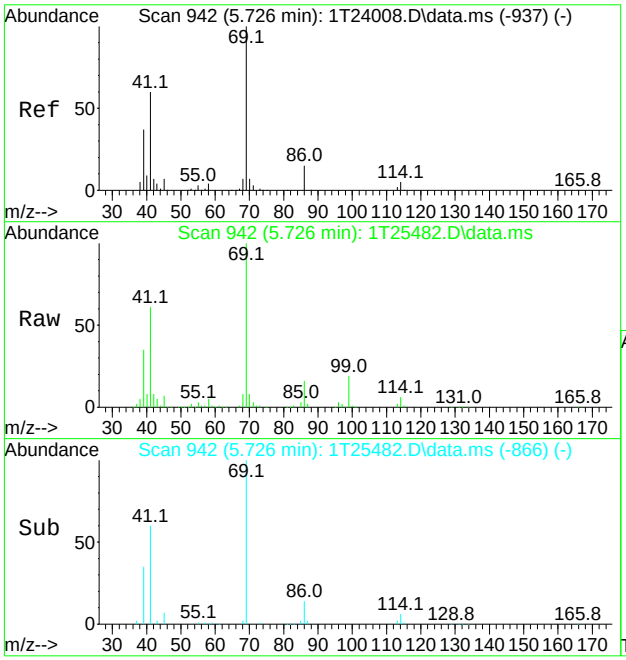


#74
toluene
Concen: 49.4233 ug/L
RT: 5.359 min Scan# 872
Delta R.T. 0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 92 Resp: 367405

Ion	Ratio	Lower	Upper
92	100		
91	166.6	147.9	187.9
65	19.5	0.0	38.0

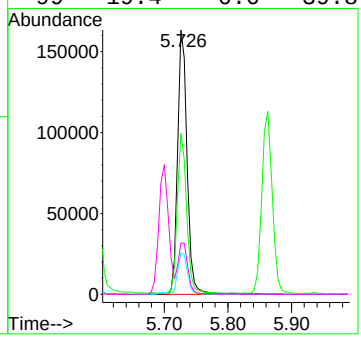


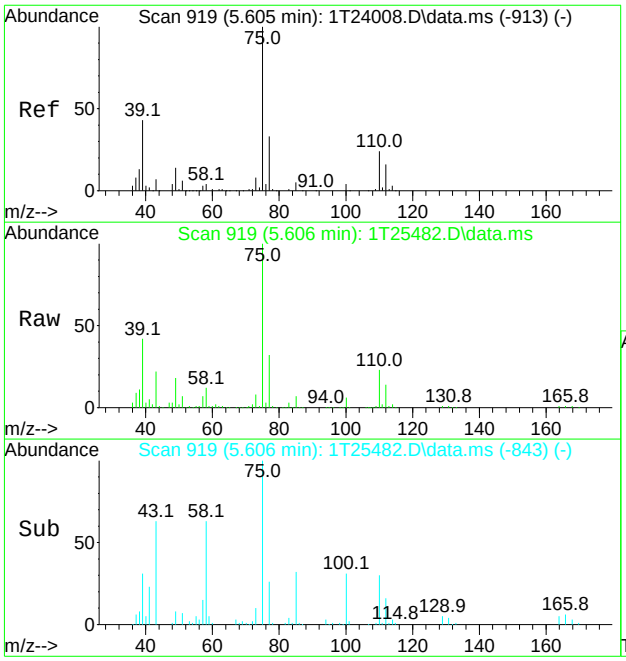


#75
ethyl methacrylate
Concen: 53.6197 ug/L
RT: 5.726 min Scan# 942
Delta R.T. 0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 69 Resp: 170339

Ion	Ratio	Lower	Upper
69	100		
41	60.3	40.2	80.2
86	15.8	0.0	35.4
99	19.4	0.0	39.8

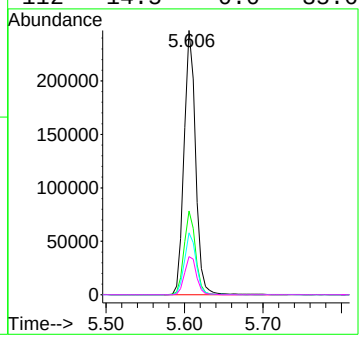


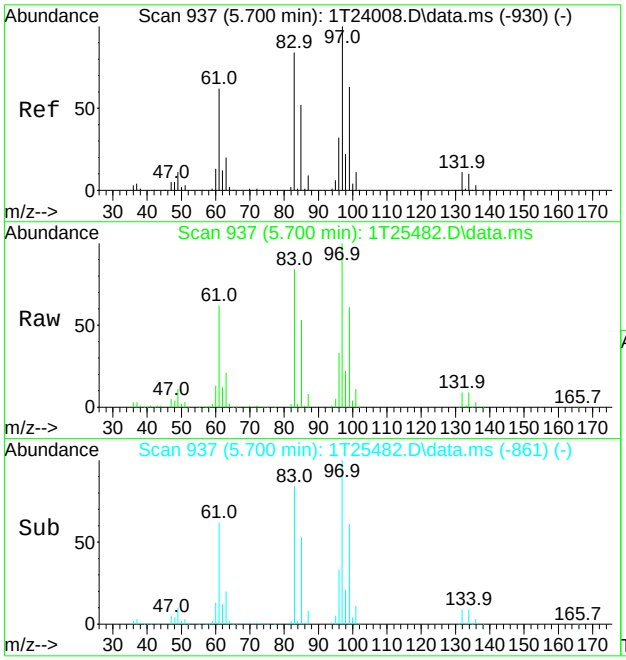


#76
trans-1,3-dichloropropene
Concen: 57.6303 ug/L
RT: 5.606 min Scan# 919
Delta R.T. 0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 75 Resp: 252381

Ion	Ratio	Lower	Upper
75	100		
77	31.7	12.7	52.7
110	23.4	4.1	44.1
112	14.5	0.0	35.6

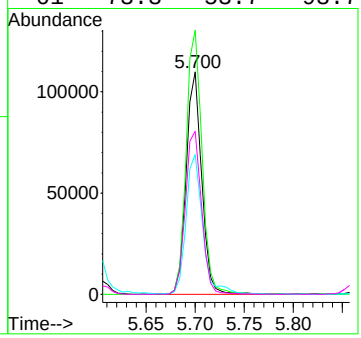


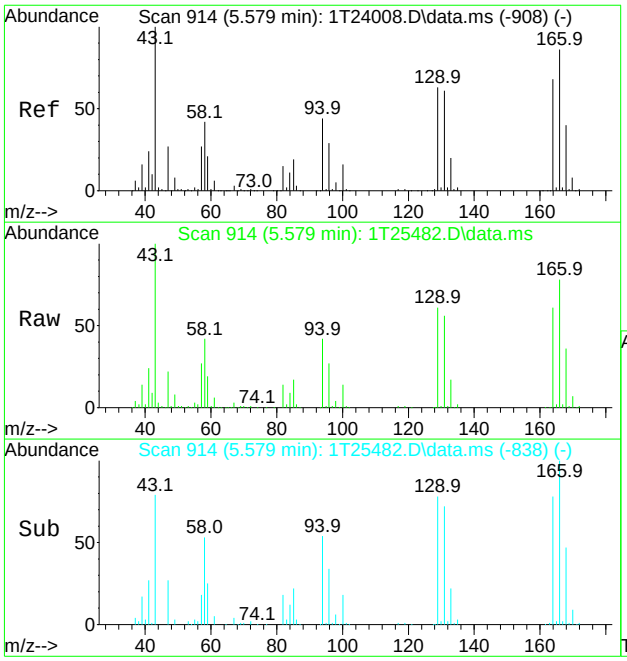


#77
1,1,2-trichloroethane
Concen: 54.2193 ug/L
RT: 5.700 min Scan# 937
Delta R.T. 0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 83 Resp: 120825

Ion	Ratio	Lower	Upper
83	100		
97	118.8	98.8	138.8
85	62.7	41.6	81.6
61	73.3	53.7	93.7

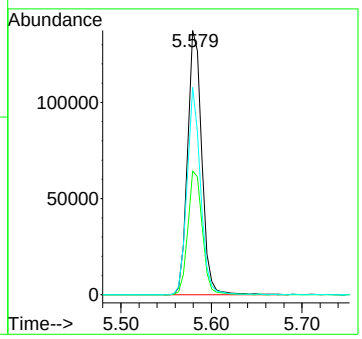


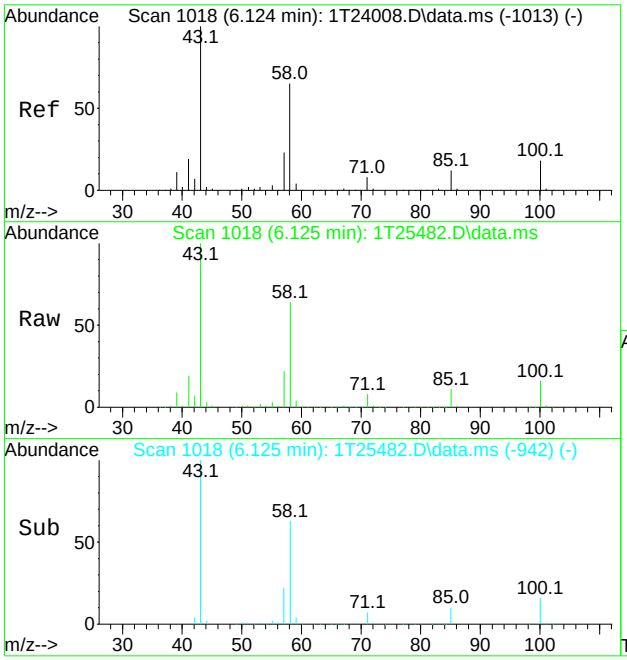


#78
tetrachloroethene
Concen: 48.9878 ug/L
RT: 5.579 min Scan# 914
Delta R.T. 0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion:166 Resp: 152072

Ion	Ratio	Lower	Upper
166	100		
168	46.8	16.8	76.8
129	78.4	43.9	103.9

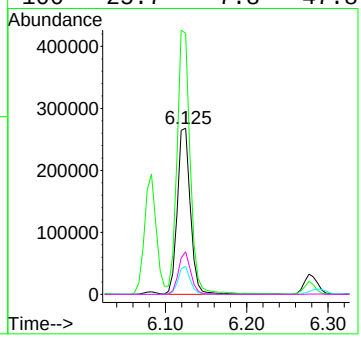


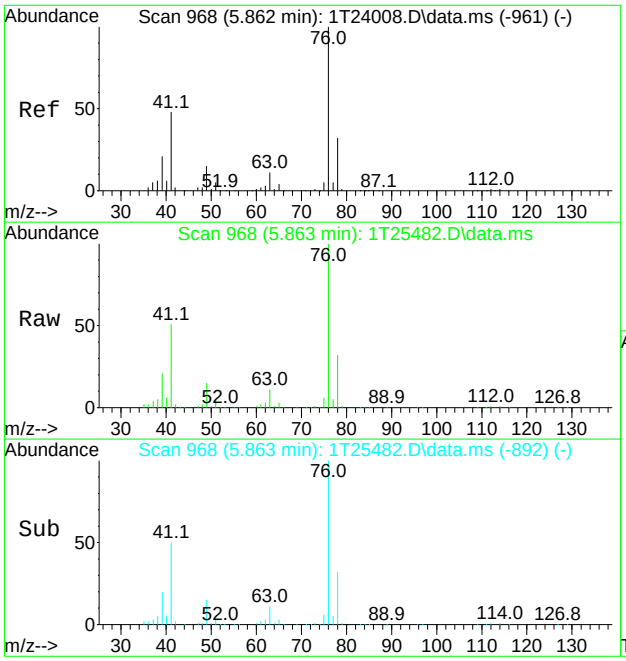


#79
2-hexanone
Concen: 256.2665 ug/L
RT: 6.125 min Scan# 1018
Delta R.T. 0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 58 Resp: 299270

Ion	Ratio	Lower	Upper
58	100		
43	156.9	139.1	179.1
85	16.8	0.0	38.1
100	25.7	7.8	47.8

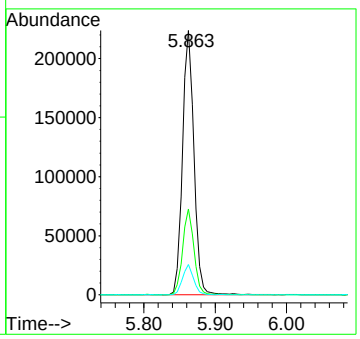


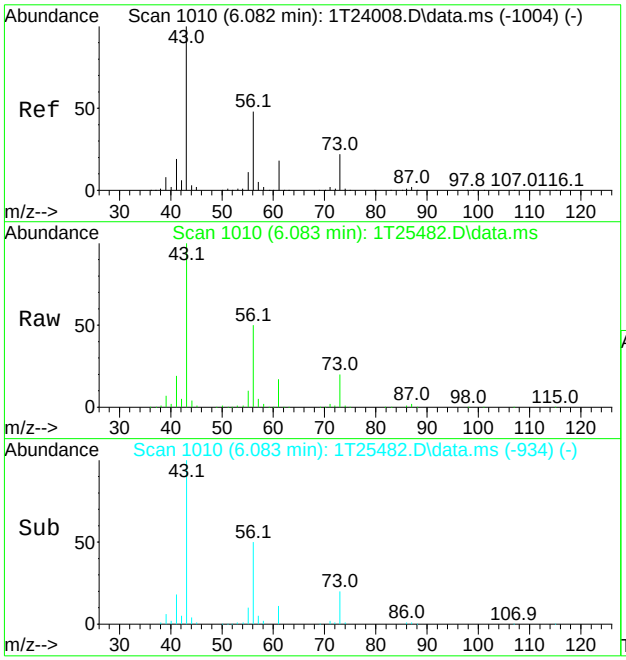


#80
1,3-dichloropropane
Concen: 55.1208 ug/L
RT: 5.863 min Scan# 968
Delta R.T. 0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 76 Resp: 250207

Ion	Ratio	Lower	Upper
76	100		
78	32.4	2.1	62.1
63	11.5	0.0	40.7

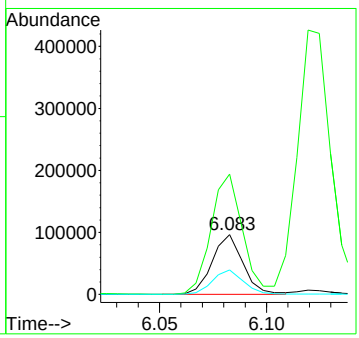


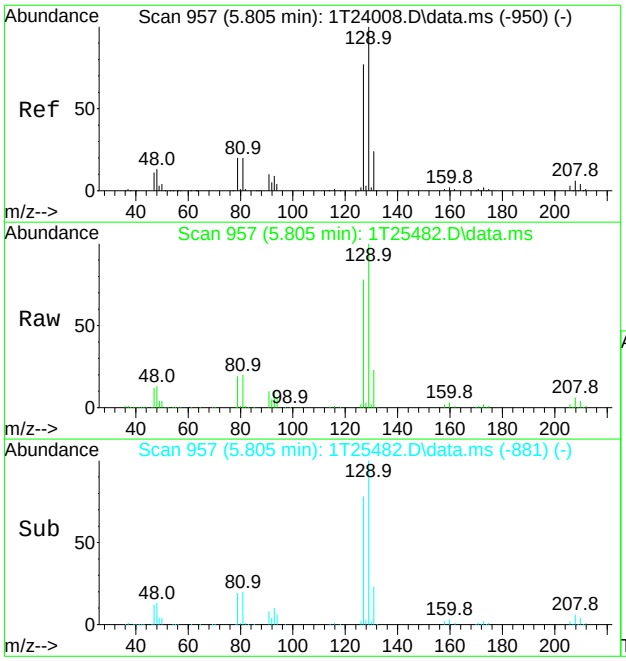


#81
butyl acetate
Concen: 61.3431 ug/L
RT: 6.083 min Scan# 1010
Delta R.T. 0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 56 Resp: 96681

Ion	Ratio	Lower	Upper
56	100		
43	201.5	177.8	237.8
73	40.9	16.2	76.2

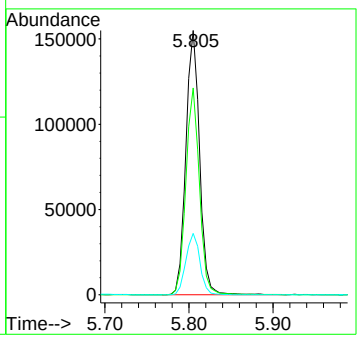


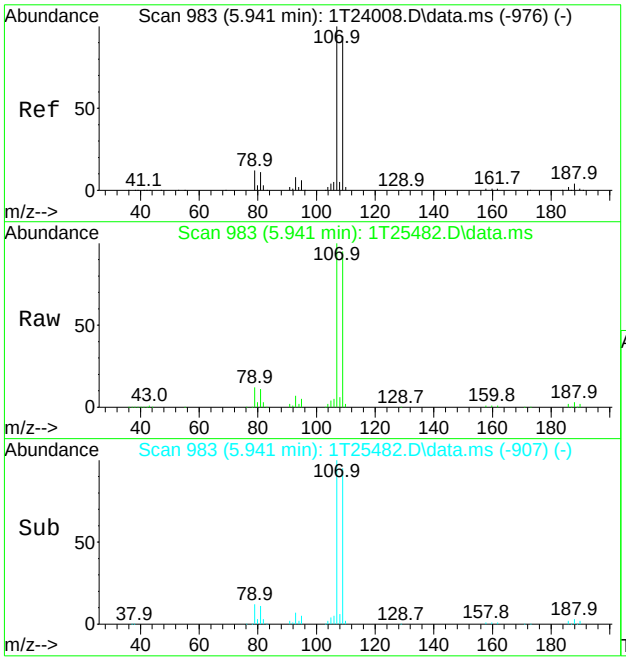


#82
dibromochloromethane
Concen: 51.9073 ug/L
RT: 5.805 min Scan# 957
Delta R.T. 0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion:129 Resp: 175330

Ion	Ratio	Lower	Upper
129	100		
127	78.2	47.5	107.5
131	23.3	0.0	54.1

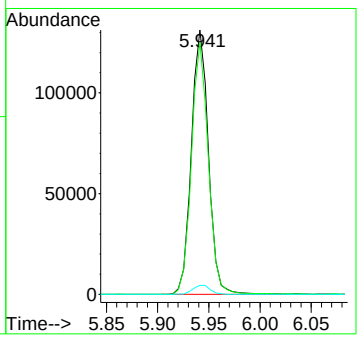


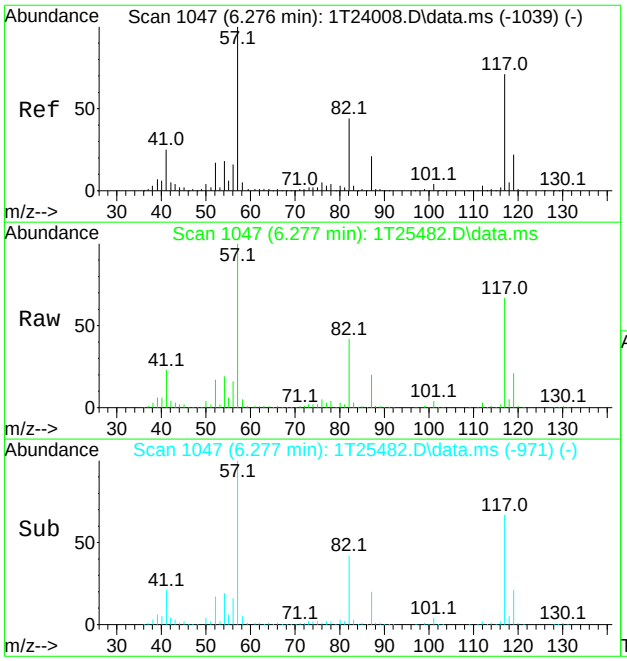


#83
1,2-dibromoethane
Concen: 52.1462 ug/L
RT: 5.941 min Scan# 983
Delta R.T. 0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion:107 Resp: 153005

Ion	Ratio	Lower	Upper
107	100		
109	95.2	64.0	124.0
188	3.4	0.0	33.9

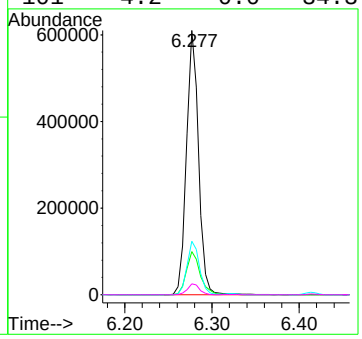


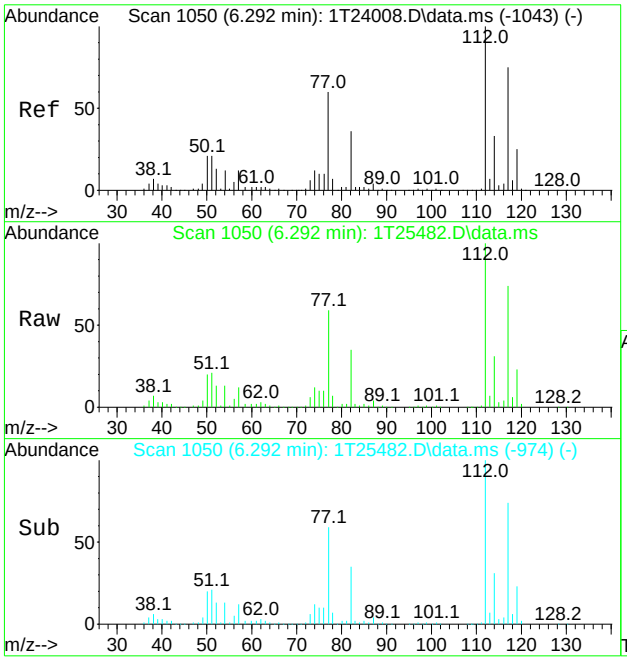


#84
n-butyl ether
Concen: 59.9077 ug/L
RT: 6.277 min Scan# 1047
Delta R.T. 0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 57 Resp: 587144

Ion	Ratio	Lower	Upper
57	100		
56	16.4	0.0	46.4
87	20.2	0.0	51.4
101	4.2	0.0	34.3

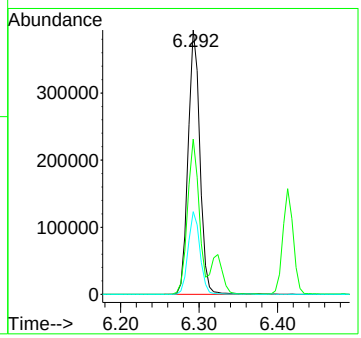


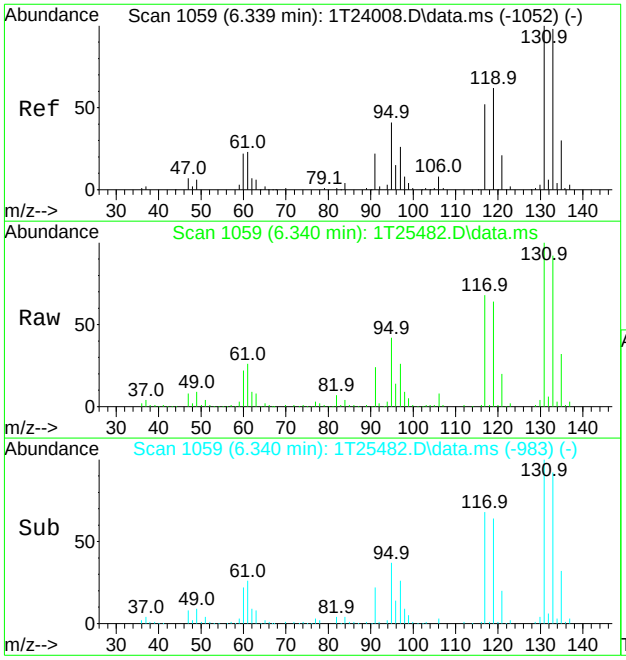


#85
chlorobenzene
Concen: 47.7392 ug/L
RT: 6.292 min Scan# 1050
Delta R.T. 0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion:112 Resp: 410959

Ion	Ratio	Lower	Upper
112	100		
77	58.7	29.6	89.6
114	31.2	3.1	63.1

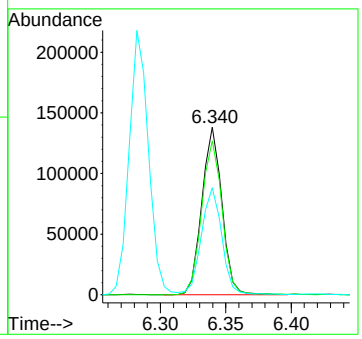


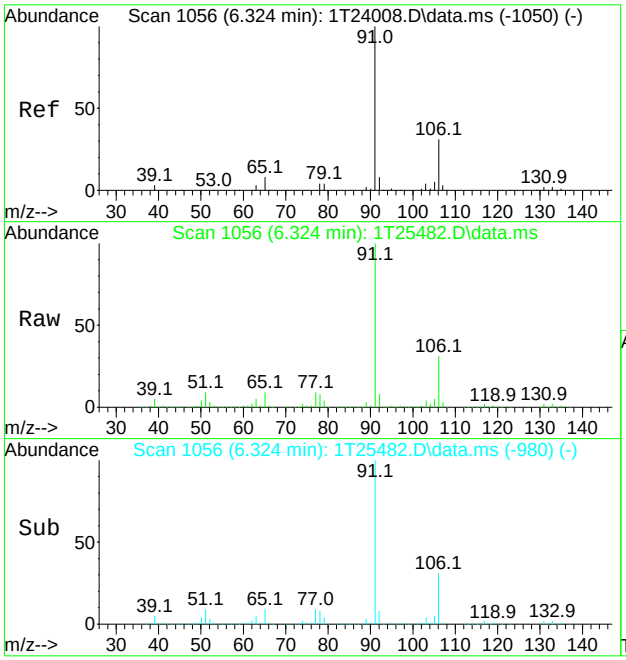


#86
1,1,1,2-tetrachloroethane
Concen: 49.4015 ug/L
RT: 6.340 min Scan# 1059
Delta R.T. 0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion:131 Resp: 147524

Ion	Ratio	Lower	Upper
131	100		
133	91.8	67.5	127.5
119	63.8	36.1	96.1

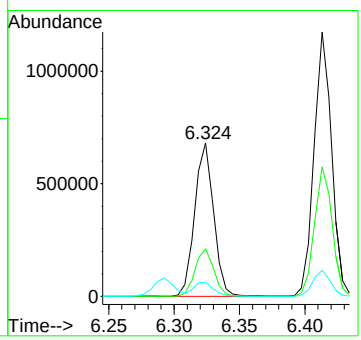


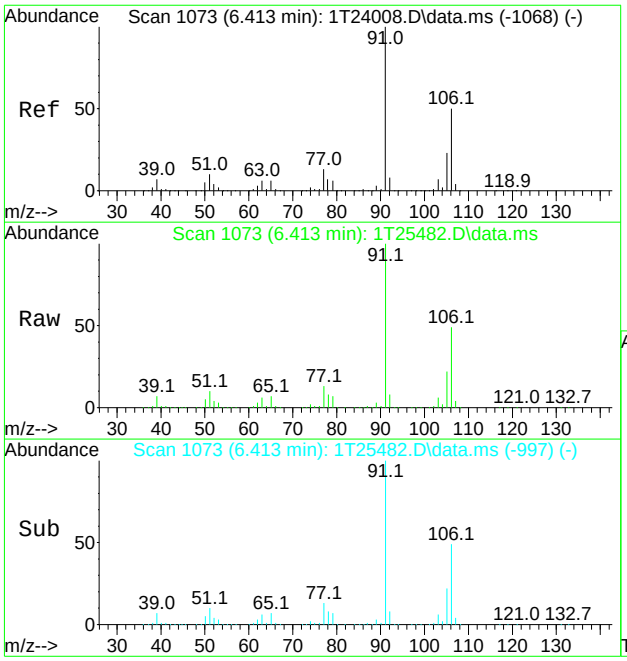


#87
ethylbenzene
Concen: 49.6127 ug/L
RT: 6.324 min Scan# 1056
Delta R.T. 0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 91 Resp: 684178

Ion	Ratio	Lower	Upper
91	100		
106	31.1	1.3	61.3
51	9.3	0.0	39.0

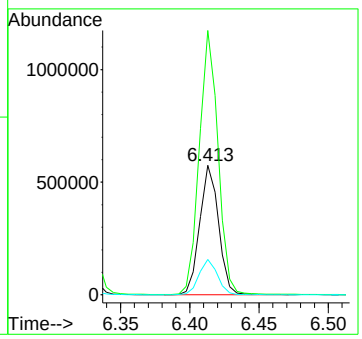


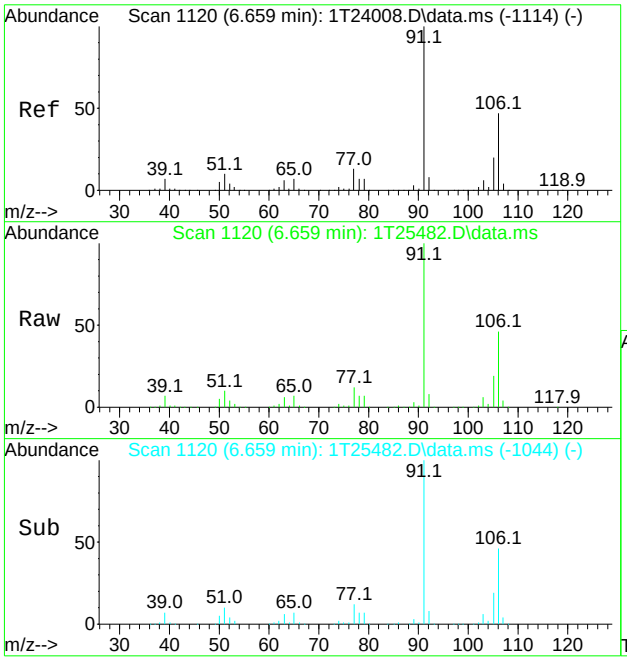


#88
m,p-xylene
Concen: 102.5386 ug/L
RT: 6.413 min Scan# 1073
Delta R.T. 0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion:106 Resp: 544998

Ion	Ratio	Lower	Upper
106	100		
91	204.0	169.8	229.8
77	27.3	6.7	46.7

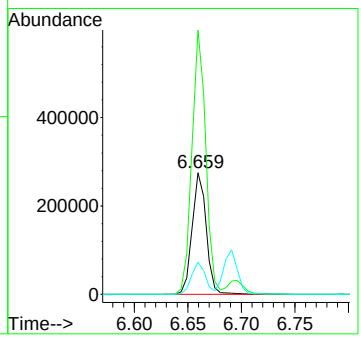


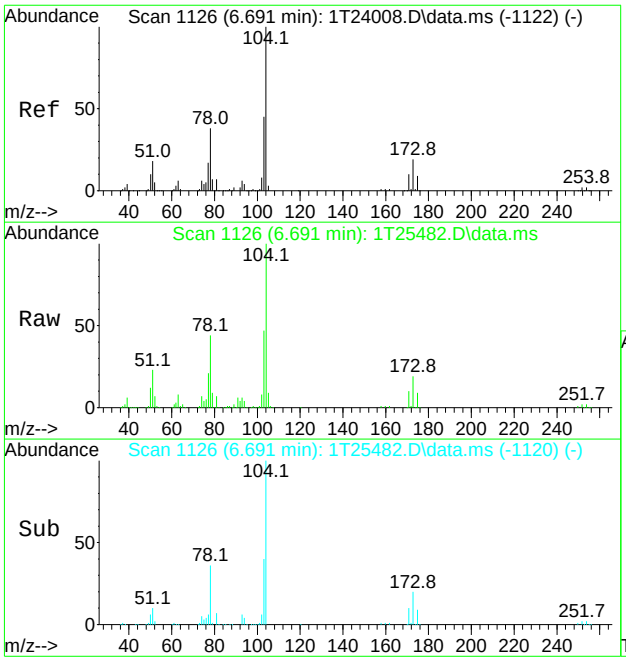


#89
o-xylene
Concen: 51.4496 ug/L
RT: 6.659 min Scan# 1120
Delta R.T. 0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion:106 Resp: 253292

Ion	Ratio	Lower	Upper
106	100		
91	217.2	181.7	241.7
77	26.6	6.5	46.5

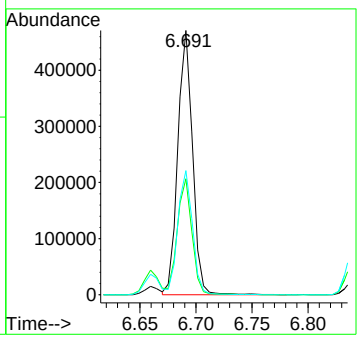


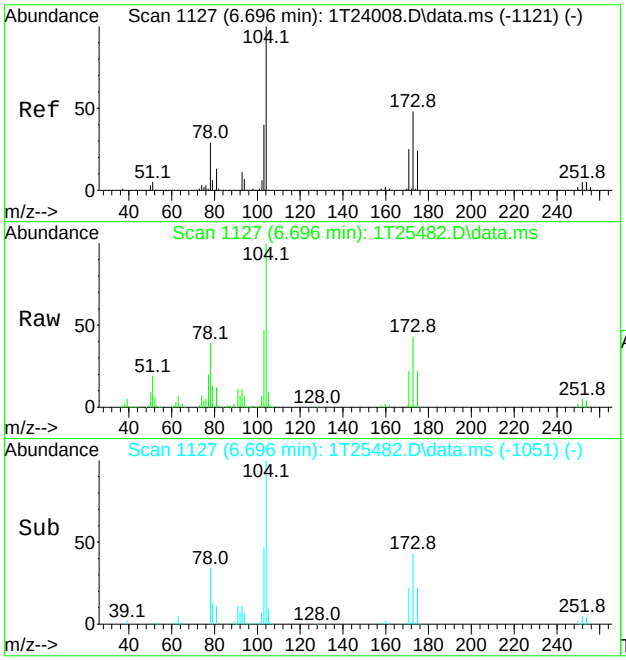


#90
styrene
Concen: 53.9310 ug/L
RT: 6.691 min Scan# 1126
Delta R.T. 0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion:104 Resp: 428051

Ion	Ratio	Lower	Upper
104	100		
78	43.9	9.6	69.6
103	47.0	16.5	76.5

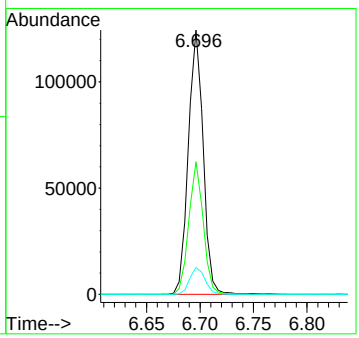


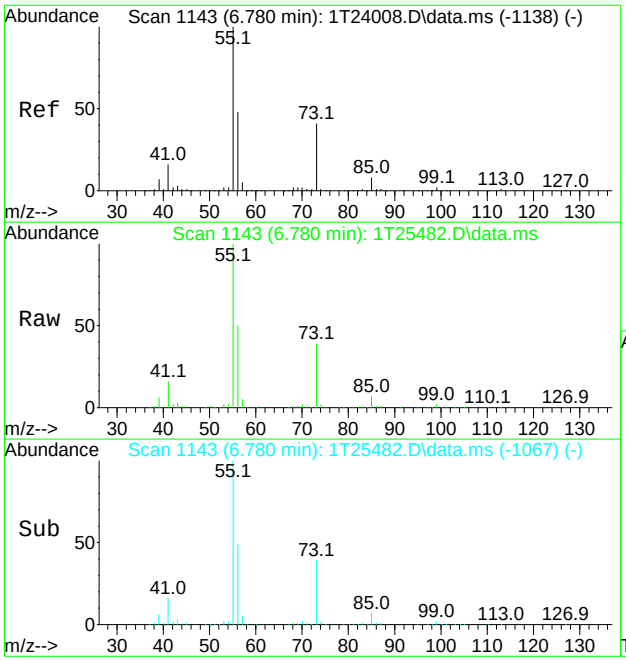


#91
bromoform
Concen: 46.8907 ug/L
RT: 6.696 min Scan# 1127
Delta R.T. 0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion:173 Resp: 120601

Ion	Ratio	Lower	Upper
173	100		
175	50.2	19.5	79.5
254	10.2	0.0	40.4

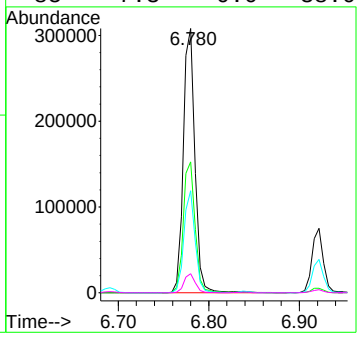


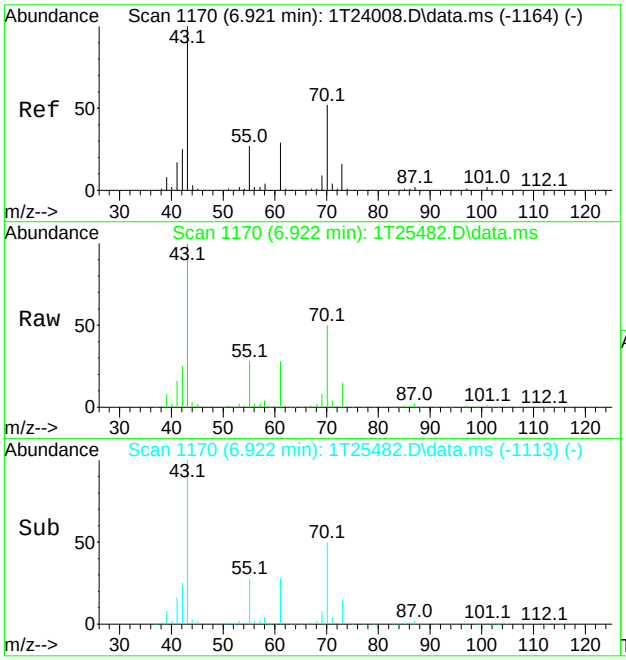


#92
butyl acrylate
Concen: 59.5109 ug/L
RT: 6.780 min Scan# 1143
Delta R.T. 0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 55 Resp: 277083

Ion	Ratio	Lower	Upper
55	100		
56	49.6	18.5	78.5
73	38.6	10.6	70.6
85	7.3	0.0	38.0

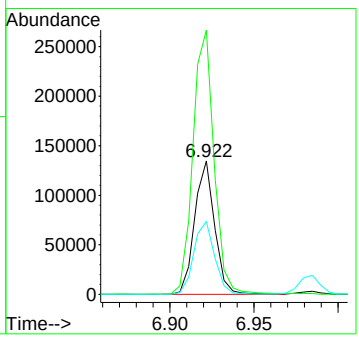


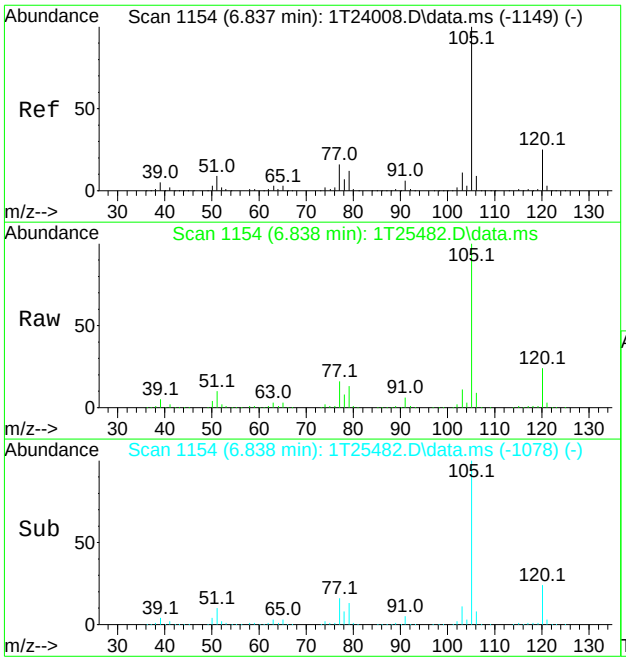


#93
n-amyl acetate
Concen: 56.1359 ug/L
RT: 6.922 min Scan# 1170
Delta R.T. 0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 70 Resp: 111304

Ion	Ratio	Lower	Upper
70	100		
43	198.3	171.9	211.9
61	54.7	35.4	75.4

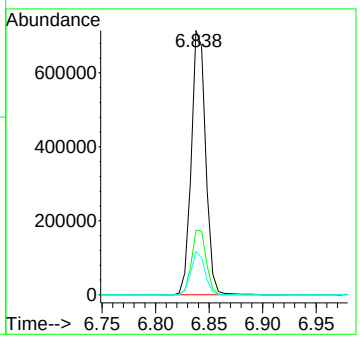


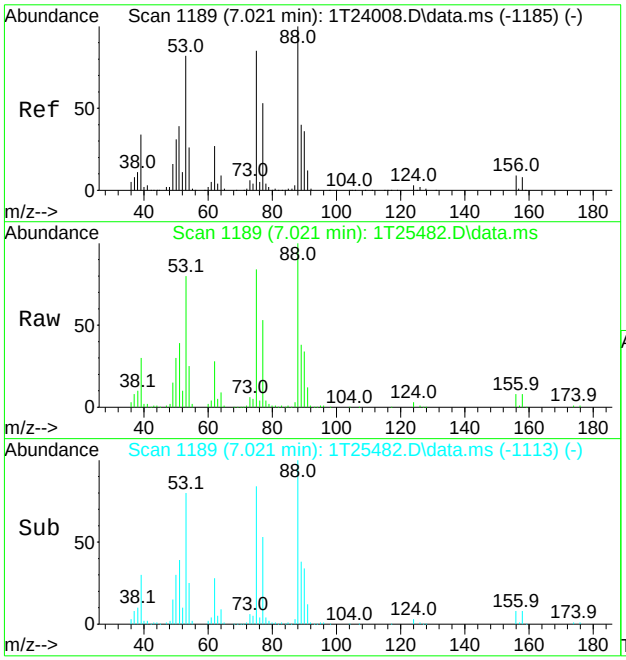


#94
isopropylbenzene
Concen: 53.2214 ug/L
RT: 6.838 min Scan# 1154
Delta R.T. 0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion:105 Resp: 665911

Ion	Ratio	Lower	Upper
105	100		
120	24.4	5.3	45.3
77	16.4	0.0	36.1

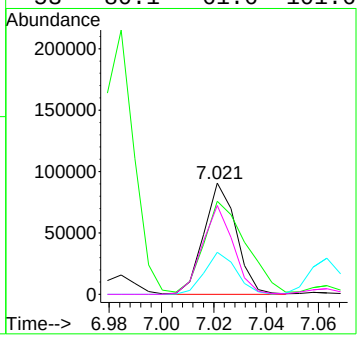


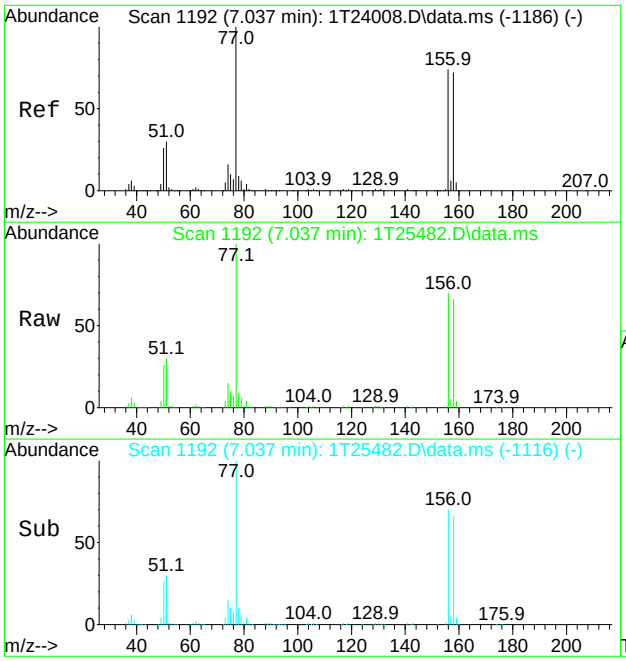


#95
cis-1,4-dichloro-2-butene
Concen: 51.6179 ug/L
RT: 7.021 min Scan# 1189
Delta R.T. 0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 88 Resp: 78482

Ion	Ratio	Lower	Upper
88	100		
75	82.0	67.1	107.1
89	38.0	19.7	59.7
53	80.1	61.6	101.6

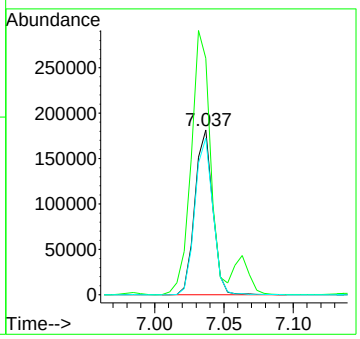


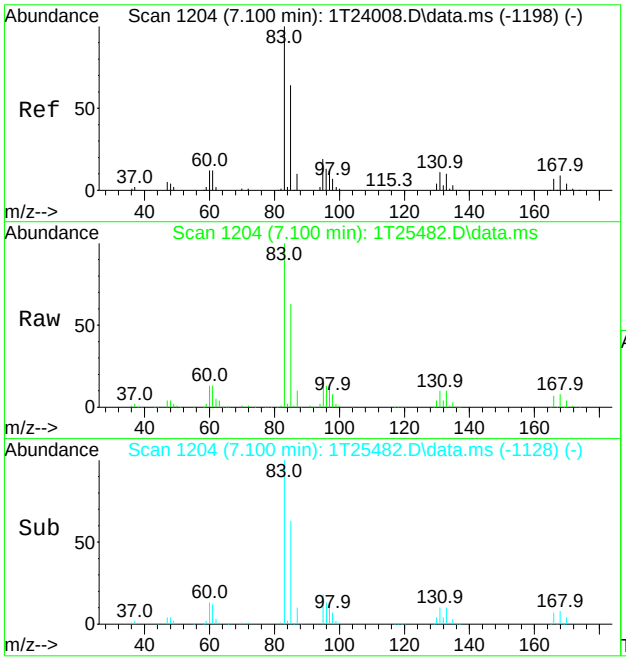


#98
bromobenzene
Concen: 47.1856 ug/L
RT: 7.037 min Scan# 1192
Delta R.T. 0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion:156 Resp: 162284

Ion	Ratio	Lower	Upper
156	100		
77	143.2	104.6	164.6
158	95.0	67.1	127.1

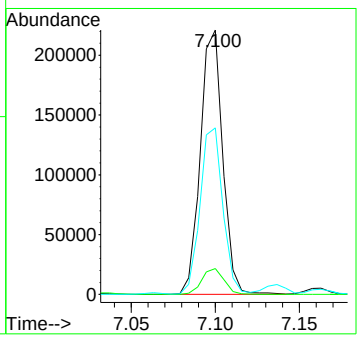


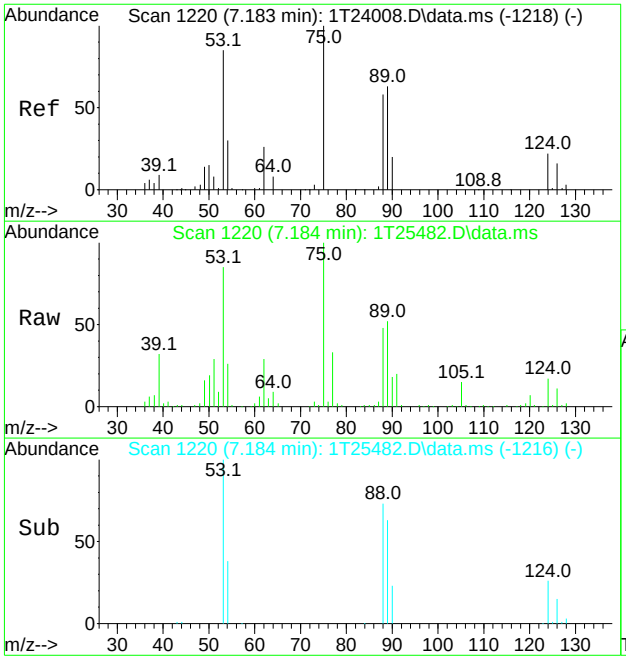


#99
1,1,2,2-tetrachloroethane
Concen: 48.2610 ug/L
RT: 7.100 min Scan# 1204
Delta R.T. 0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 83 Resp: 204590

Ion	Ratio	Lower	Upper
83	100		
131	9.8	0.0	40.9
85	62.6	34.4	94.4

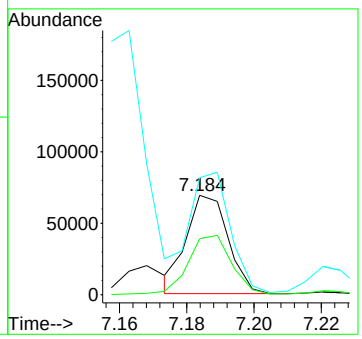


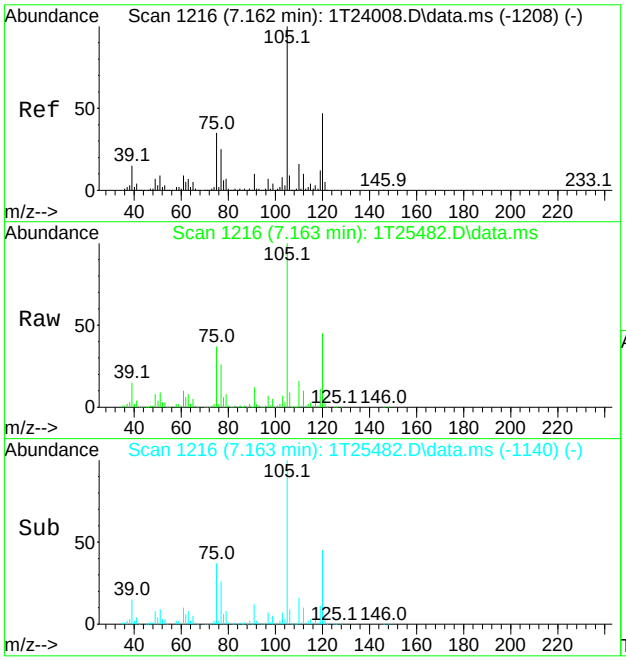


#100
trans-1,4-dichloro-2-butene
Concen: 54.7087 ug/L
RT: 7.184 min Scan# 1220
Delta R.T. 0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 53 Resp: 59548

Ion	Ratio	Lower	Upper
53	100		
88	56.1	29.6	89.6
75	115.4	97.1	157.1

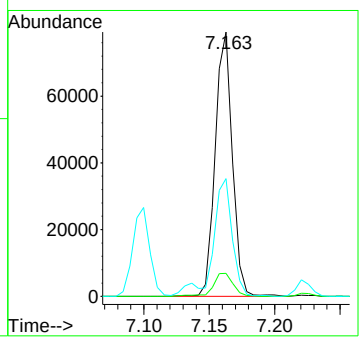


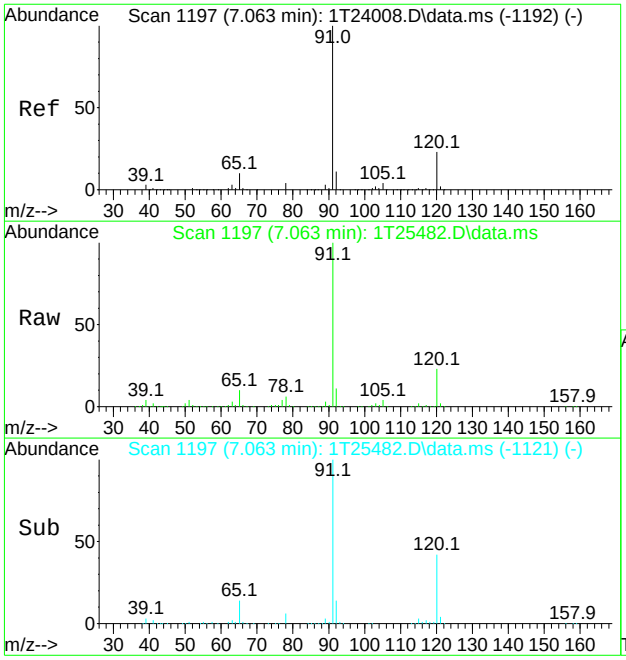


#101
1,2,3-trichloropropane
Concen: 48.2067 ug/L
RT: 7.163 min Scan# 1216
Delta R.T. 0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion:110 Resp: 72671

Ion	Ratio	Lower	Upper
110	100		
111	8.8	0.0	39.0
97	44.2	15.1	75.1

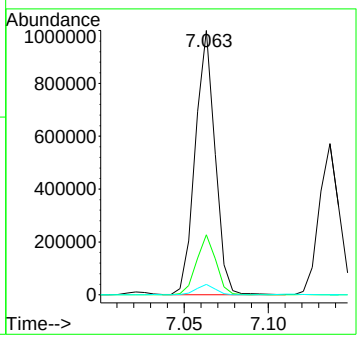


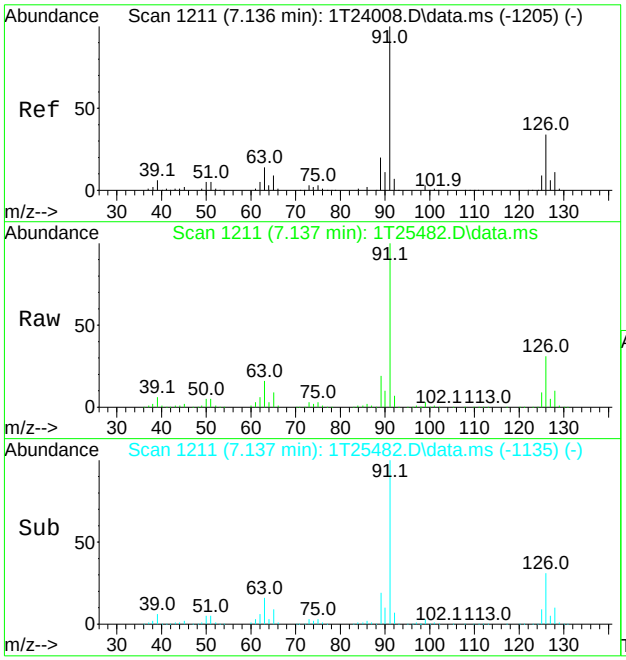


#102
n-propylbenzene
Concen: 53.6972 ug/L
RT: 7.063 min Scan# 1197
Delta R.T. 0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 91 Resp: 817115

Ion	Ratio	Lower	Upper
91	100		
120	22.7	0.0	53.1
105	3.9	0.0	33.9

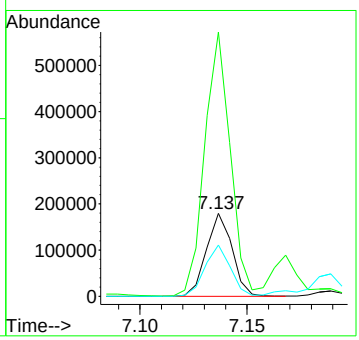


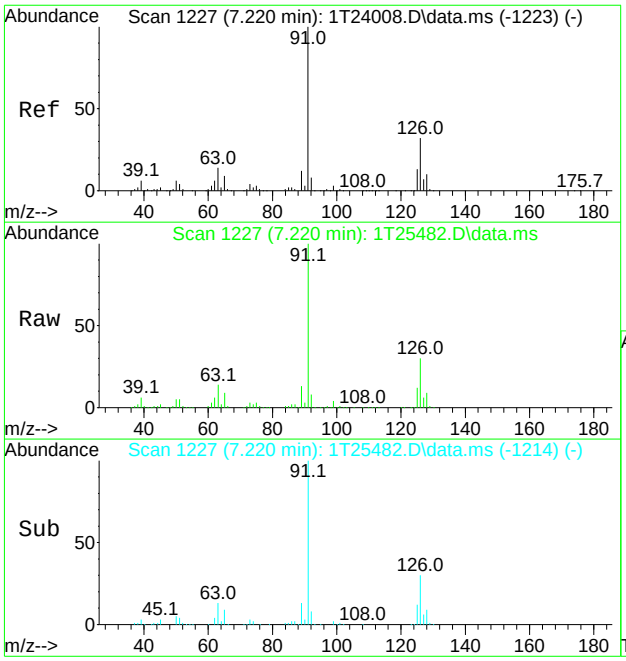


#103
2-chlorotoluene
Concen: 48.8022 ug/L
RT: 7.137 min Scan# 1211
Delta R.T. 0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion:126 Resp: 151219

Ion	Ratio	Lower	Upper
126	100		
91	317.6	263.0	323.0
89	61.9	27.6	87.6

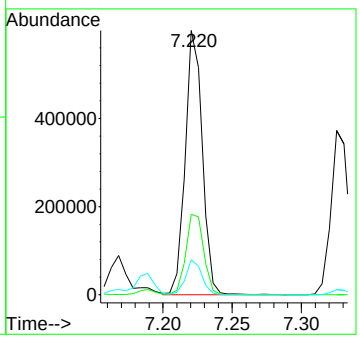


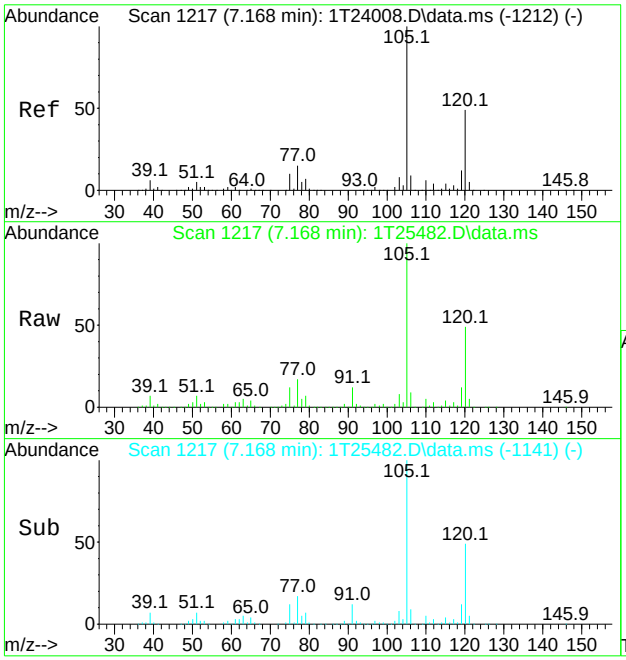


#104
4-chlorotoluene
Concen: 53.6885 ug/L
RT: 7.220 min Scan# 1227
Delta R.T. 0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion: 91 Resp: 518062

Ion	Ratio	Lower	Upper
91	100		
126	30.4	2.2	62.2
89	13.2	0.0	42.5

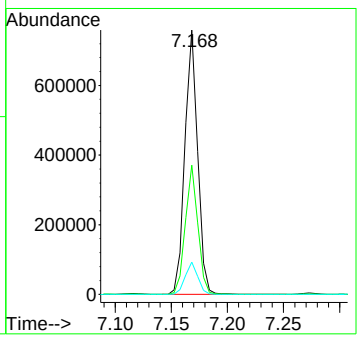


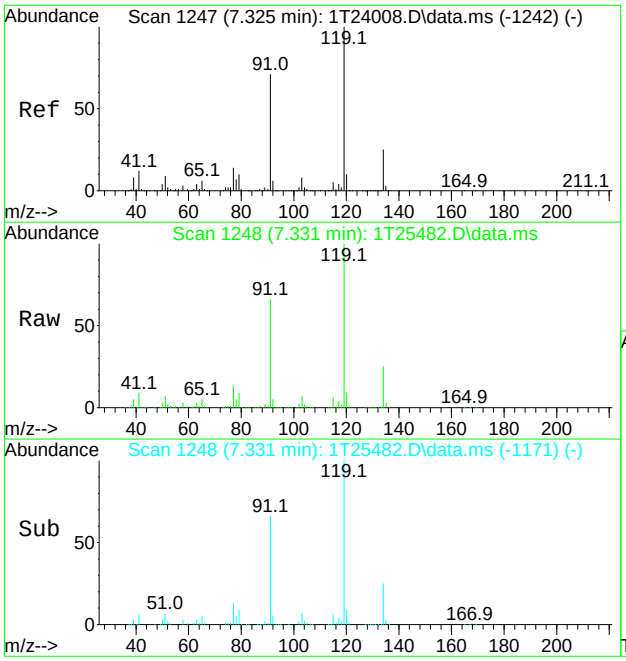


#105
1,3,5-trimethylbenzene
Concen: 56.9601 ug/L
RT: 7.168 min Scan# 1217
Delta R.T. 0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion:105 Resp: 600718

Ion	Ratio	Lower	Upper
105	100		
120	48.9	19.0	79.0
119	12.2	0.0	42.2

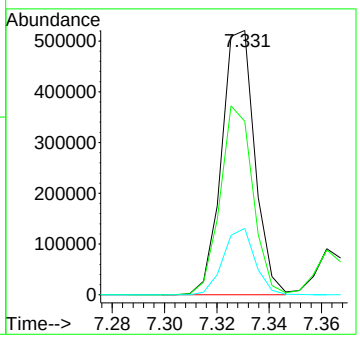


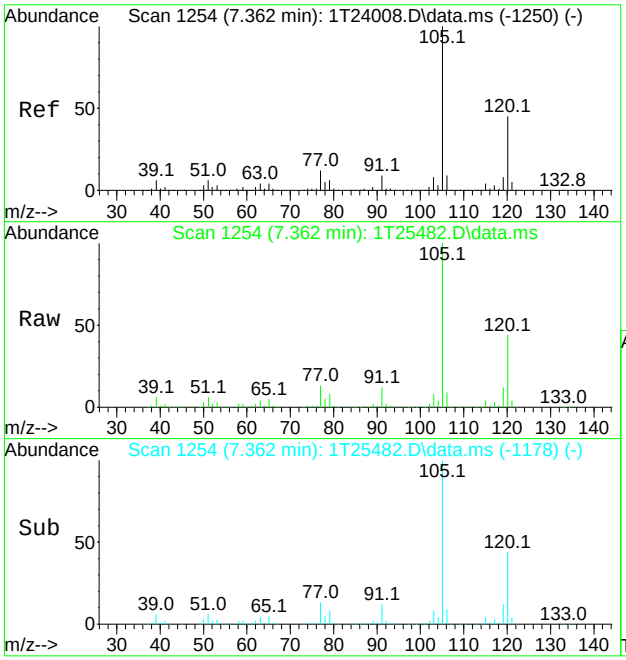


#106
tert-butylbenzene
Concen: 55.3785 ug/L
RT: 7.331 min Scan# 1248
Delta R.T. 0.006 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion:119 Resp: 462042

Ion	Ratio	Lower	Upper
119	100		
91	65.6	40.9	100.9
134	25.2	0.0	54.5

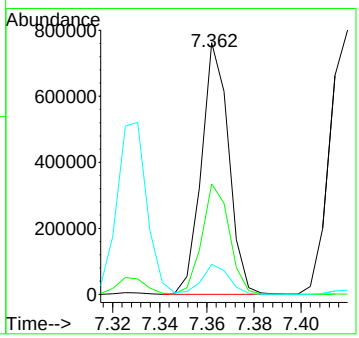


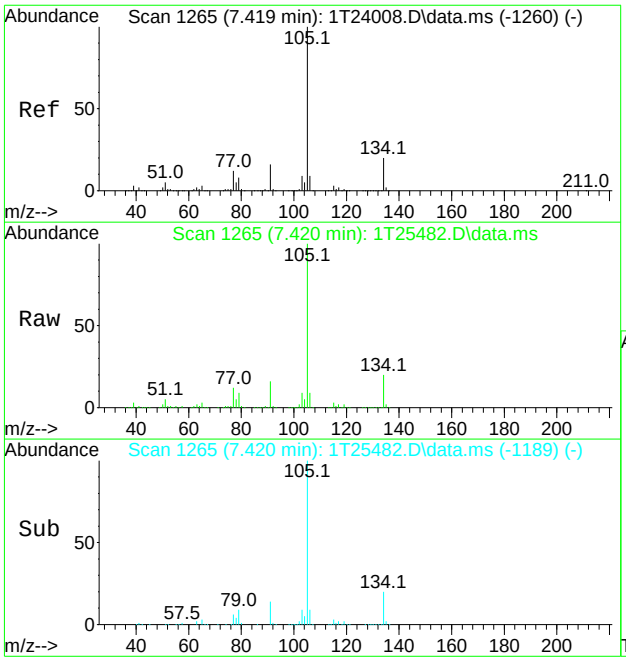


#107
1,2,4-trimethylbenzene
Concen: 57.6000 ug/L
RT: 7.362 min Scan# 1254
Delta R.T. 0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion:105 Resp: 613691

Ion	Ratio	Lower	Upper
105	100		
120	43.9	15.8	75.8
119	11.9	0.0	42.2

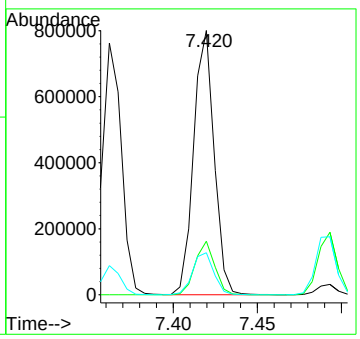


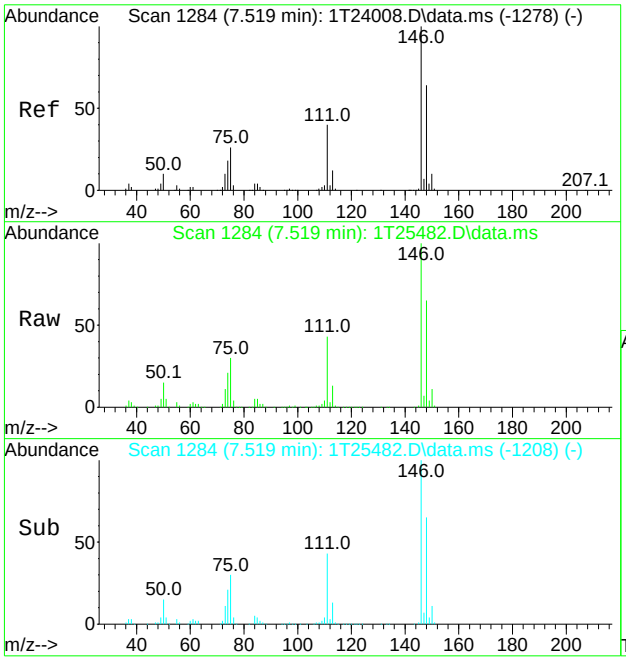


#108
sec-butylbenzene
Concen: 56.8505 ug/L
RT: 7.420 min Scan# 1265
Delta R.T. 0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion:105 Resp: 678983

Ion	Ratio	Lower	Upper
105	100		
134	20.3	0.0	50.4
91	15.8	0.0	45.8

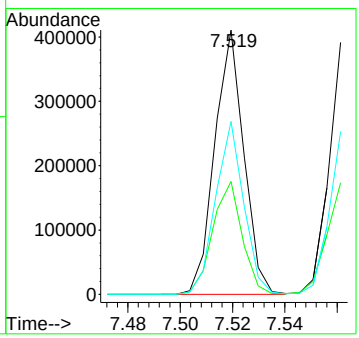


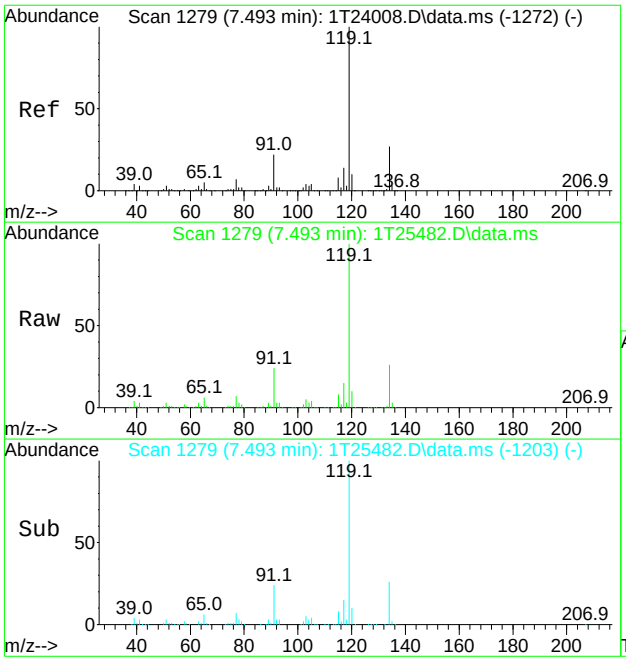


#109
1,3-dichlorobenzene
Concen: 49.7450 ug/L
RT: 7.519 min Scan# 1284
Delta R.T. 0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion:146 Resp: 318543

Ion	Ratio	Lower	Upper
146	100		
111	42.6	9.6	69.6
148	65.4	33.7	93.7

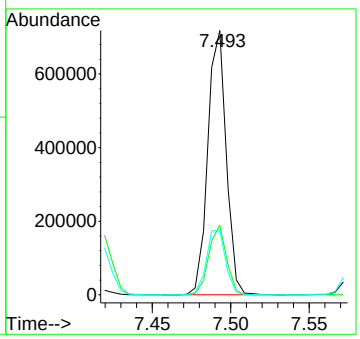


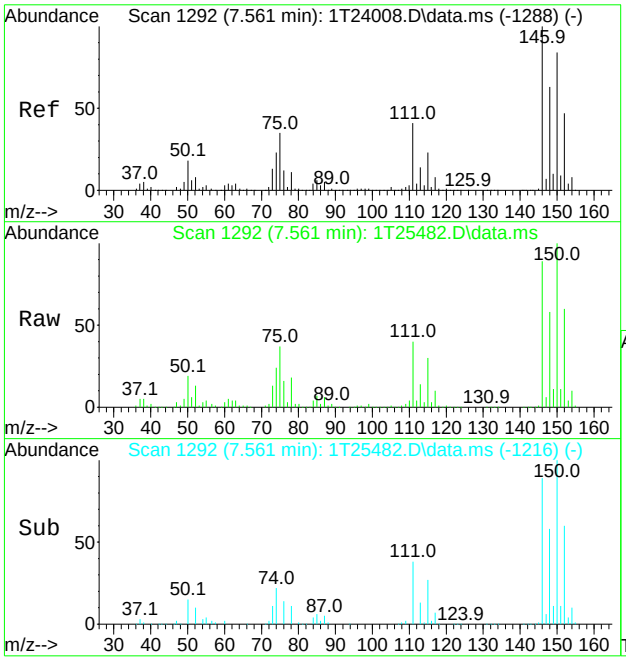


#110
p-isopropyltoluene
Concen: 57.0075 ug/L
RT: 7.493 min Scan# 1279
Delta R.T. 0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion:119 Resp: 586993

Ion	Ratio	Lower	Upper
119	100		
134	26.4	0.0	56.8
91	24.4	0.0	52.2

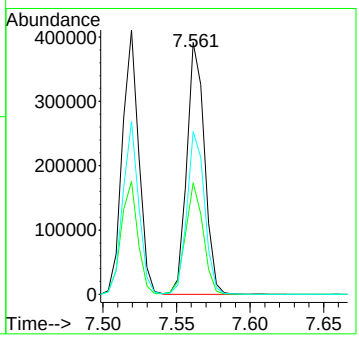


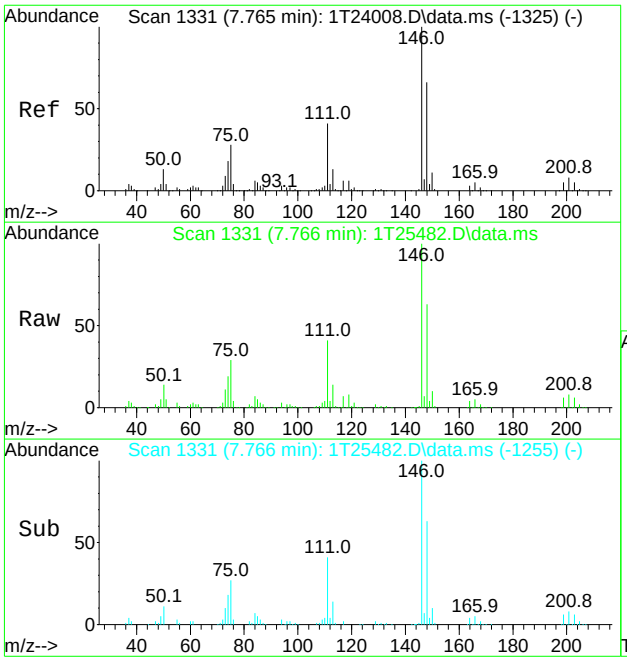


#111
1,4-dichlorobenzene
Concen: 47.6073 ug/L
RT: 7.561 min Scan# 1292
Delta R.T. 0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion:146 Resp: 327489

Ion	Ratio	Lower	Upper
146	100		
111	44.2	10.8	70.8
148	64.6	33.2	93.2

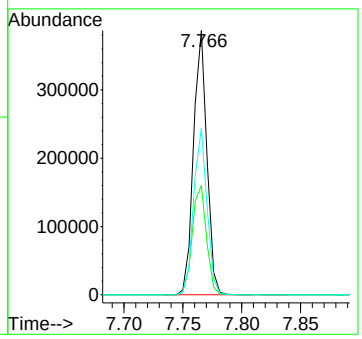


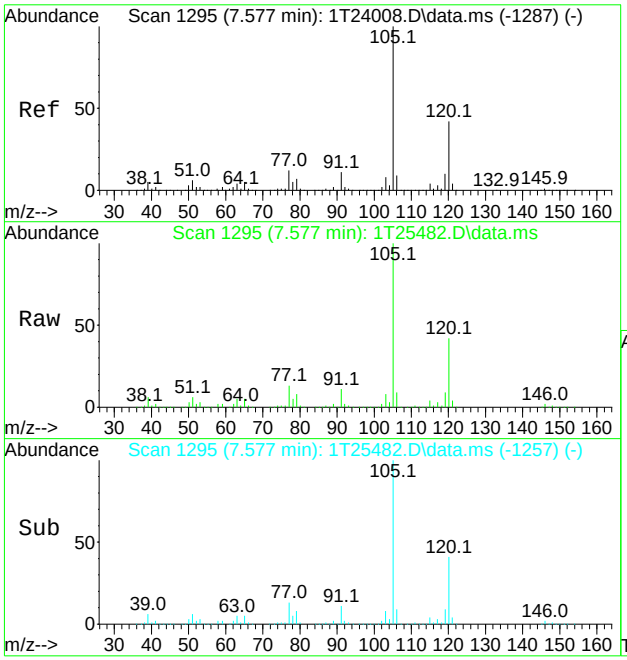


#112
1,2-dichlorobenzene
Concen: 49.2032 ug/L
RT: 7.766 min Scan# 1331
Delta R.T. 0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion:146 Resp: 305499

Ion	Ratio	Lower	Upper
146	100		
111	41.3	11.3	71.3
148	63.0	36.2	96.2

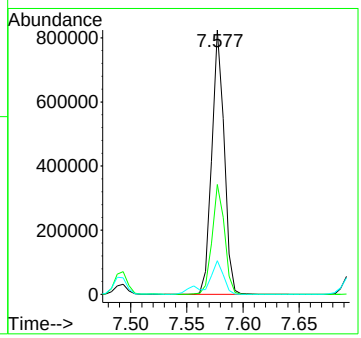


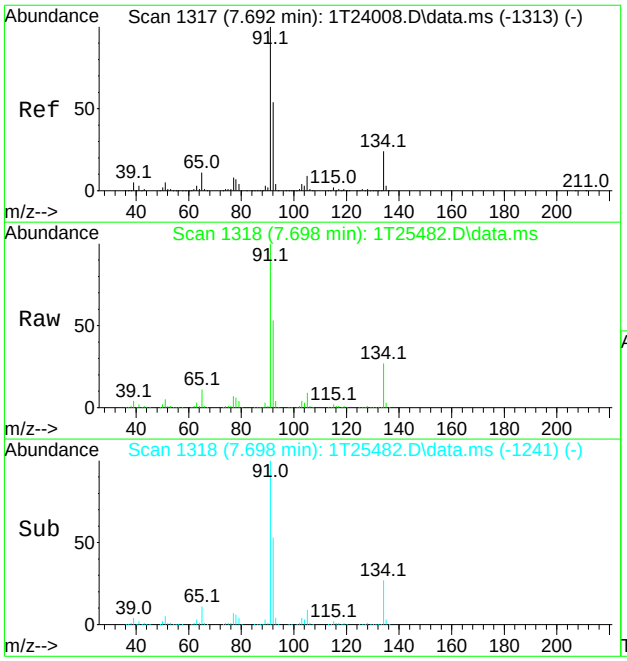


#113
1,2,3-trimethylbenzene
Concen: 52.9770 ug/L
RT: 7.577 min Scan# 1295
Delta R.T. 0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion:105 Resp: 633208

Ion	Ratio	Lower	Upper
105	100		
120	41.6	12.2	72.2
77	12.8	0.0	41.7

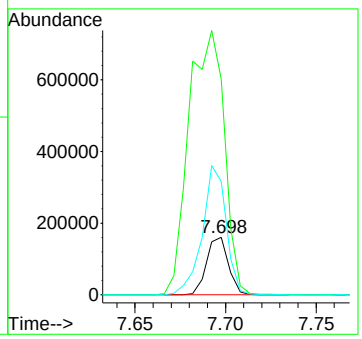


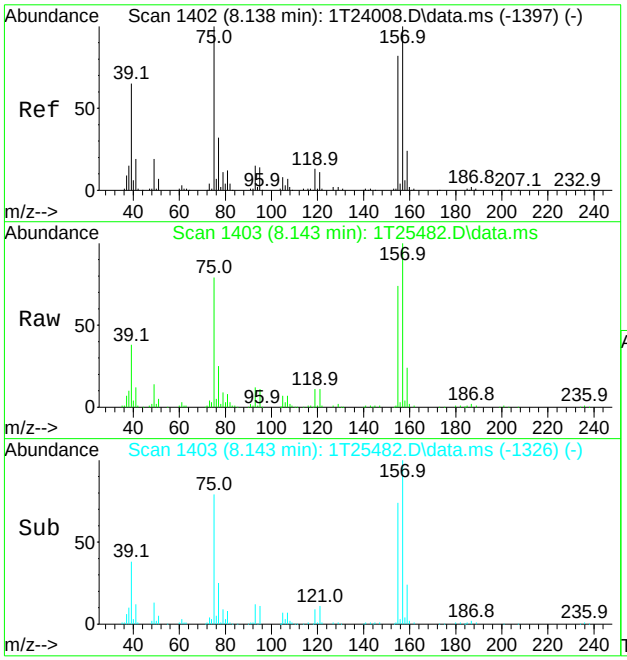


#114
n-butylbenzene
Concen: 54.0093 ug/L
RT: 7.698 min Scan# 1318
Delta R.T. 0.006 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion:134 Resp: 134345

Ion	Ratio	Lower	Upper
134	100		
91	374.3	429.9	489.9#
92	197.0	199.0	259.0#

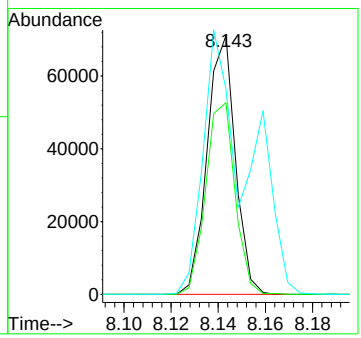


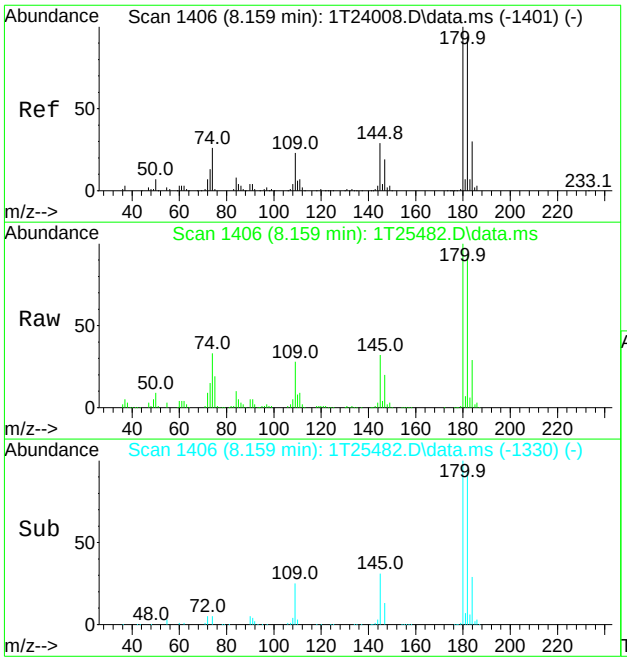


#115
1,2-dibromo-3-chloropropane
Concen: 47.0701 ug/L
RT: 8.143 min Scan# 1403
Delta R.T. 0.006 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion:157 Resp: 59115

Ion	Ratio	Lower	Upper
157	100		
155	74.1	51.9	111.9
75	79.1	70.0	130.0

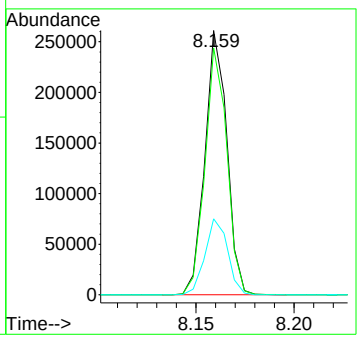


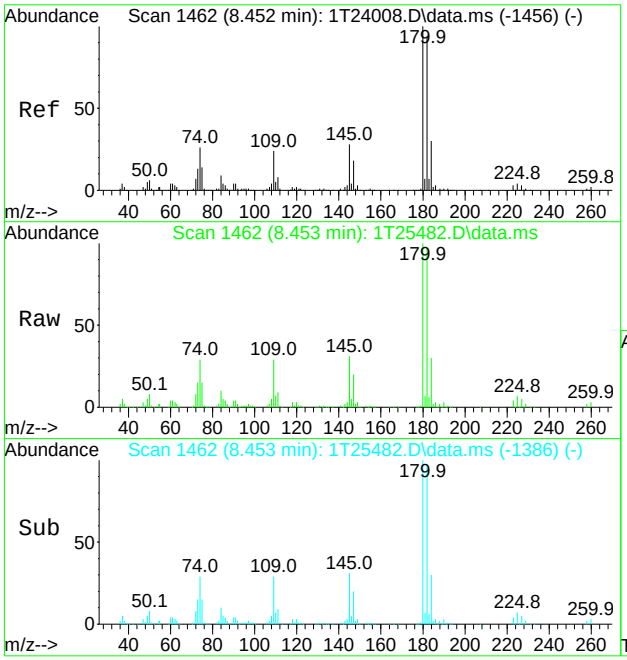


#116
1,3,5-trichlorobenzene
Concen: 49.9100 ug/L
RT: 8.159 min Scan# 1406
Delta R.T. 0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion:180 Resp: 203508

Ion	Ratio	Lower	Upper
180	100		
182	93.4	73.5	113.5
184	28.8	10.1	50.1

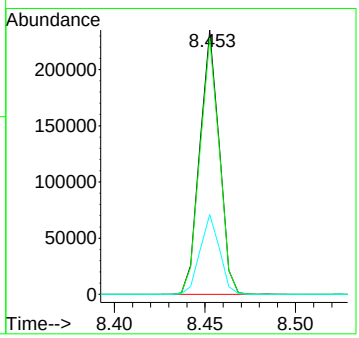


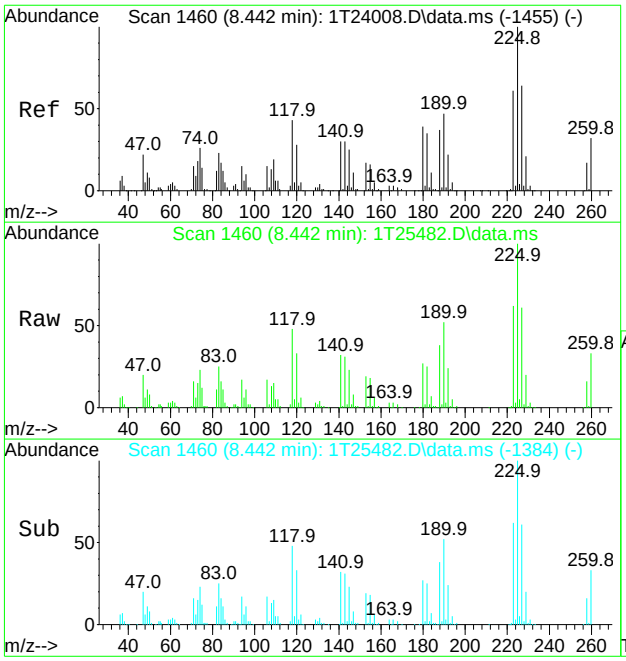


#117
1,2,4-trichlorobenzene
Concen: 49.6654 ug/L
RT: 8.453 min Scan# 1462
Delta R.T. 0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion:180 Resp: 174797

Ion	Ratio	Lower	Upper
180	100		
182	97.0	64.0	124.0
184	30.3	0.0	59.7

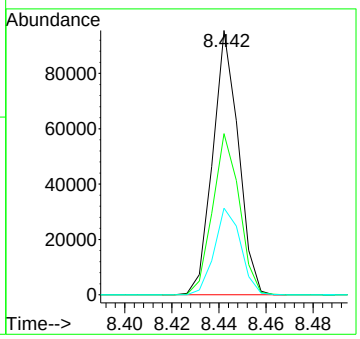


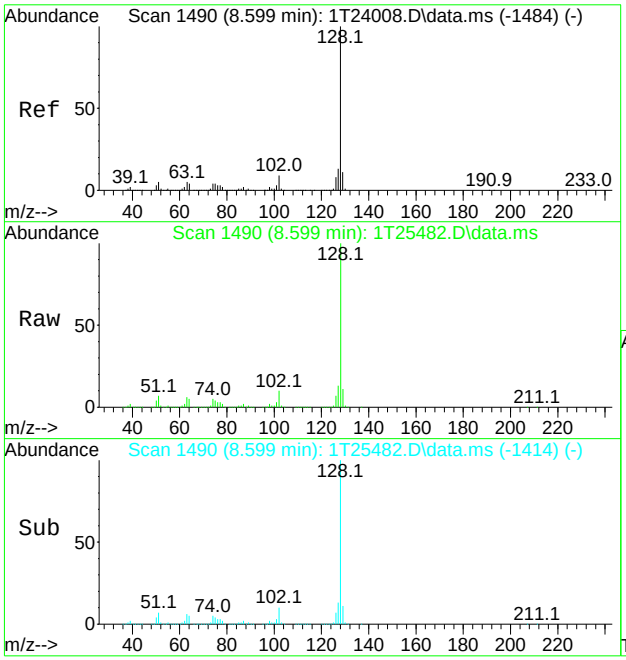


#118
hexachlorobutadiene
Concen: 48.8485 ug/L
RT: 8.442 min Scan# 1460
Delta R.T. 0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion:225 Resp: 72395

Ion	Ratio	Lower	Upper
225	100		
227	61.0	34.1	94.1
260	32.8	1.5	61.5

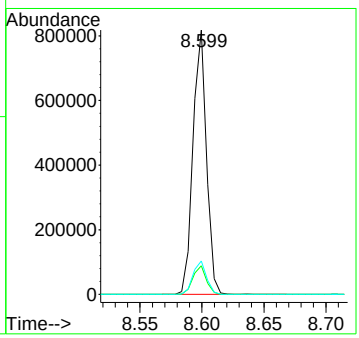


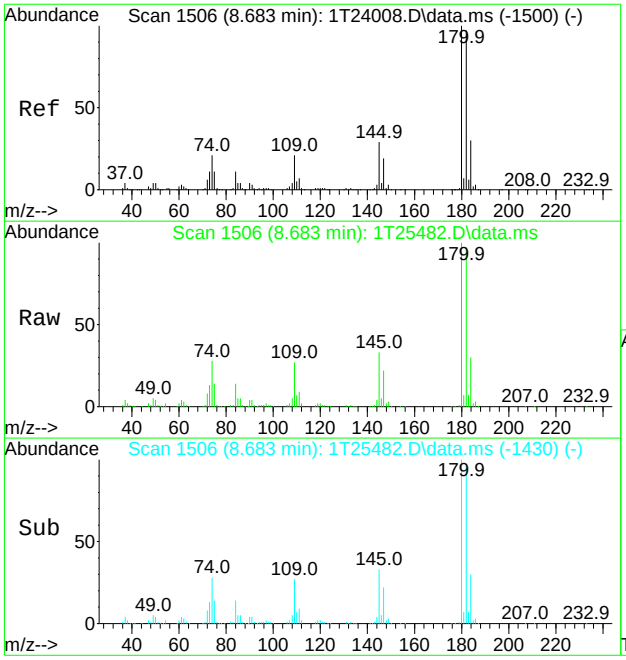


#119
naphthalene
Concen: 58.1424 ug/L
RT: 8.599 min Scan# 1490
Delta R.T. 0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion:128 Resp: 617747

Ion	Ratio	Lower	Upper
128	100		
129	10.9	0.0	40.7
127	12.7	0.0	43.4

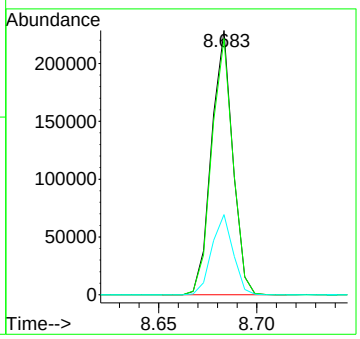


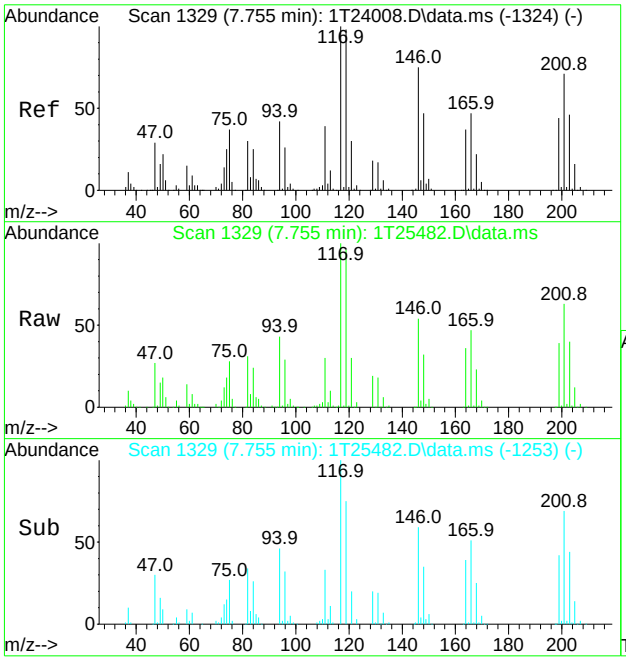


#120
1,2,3-trichlorobenzene
Concen: 51.3001 ug/L
RT: 8.683 min Scan# 1506
Delta R.T. 0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion:180 Resp: 171134

Ion	Ratio	Lower	Upper
180	100		
182	96.8	66.5	126.5
184	30.4	0.0	59.6

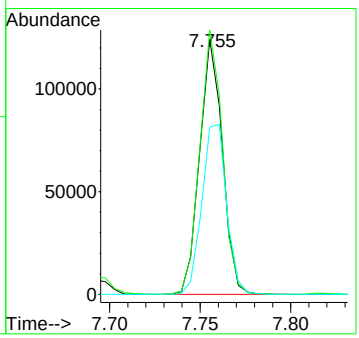


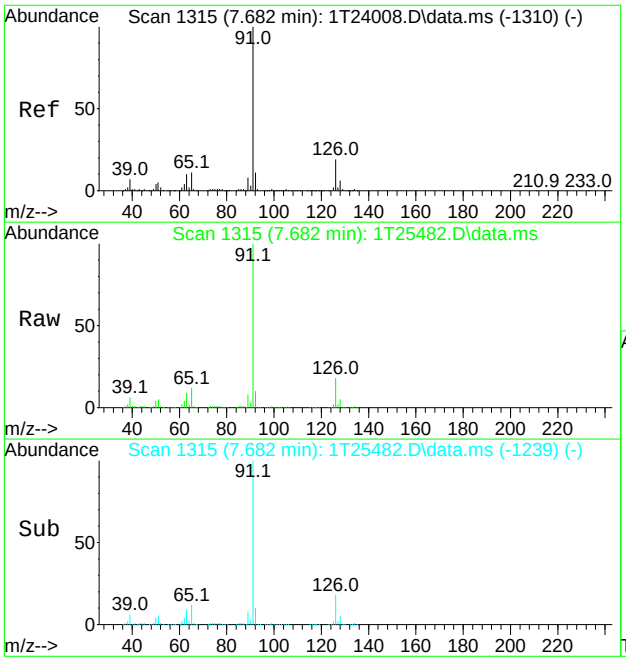


#121
hexachloroethane
Concen: 52.7571 ug/L
RT: 7.755 min Scan# 1329
Delta R.T. 0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion:119 Resp: 108232

Ion	Ratio	Lower	Upper
119	100		
117	103.7	71.7	131.7
201	65.5	42.0	102.0

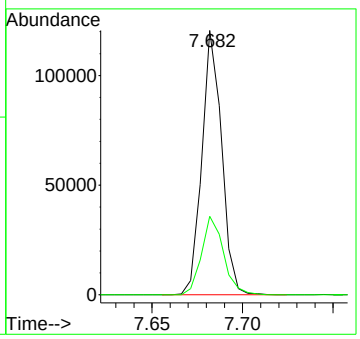


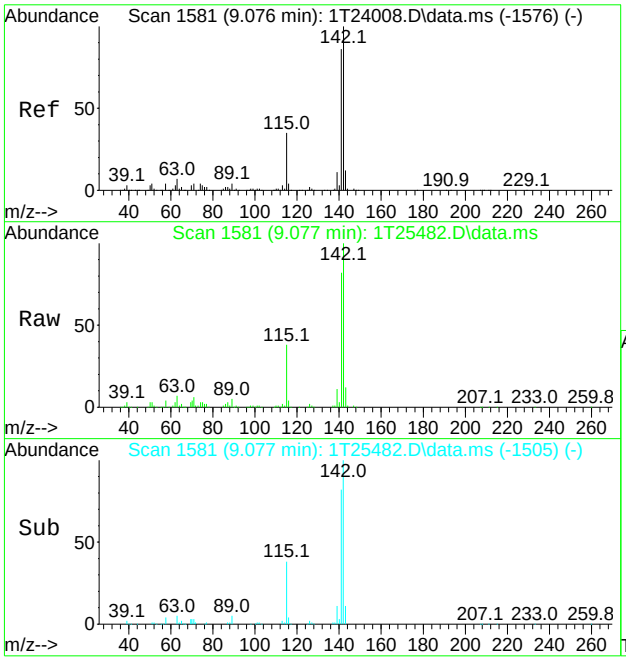


#122
benzyl chloride
Concen: 52.3844 ug/L
RT: 7.682 min Scan# 1315
Delta R.T. 0.000 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion:126 Resp: 91156

Ion	Ratio	Lower	Upper
126	100		
128	29.7	1.7	61.7

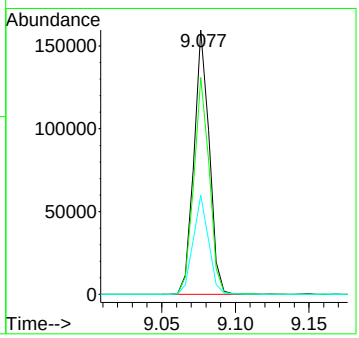




#123
2-methylnaphthalene
Concen: 21.2008 ug/L
RT: 9.077 min Scan# 1581
Delta R.T. 0.001 min
Lab File: 1T25482.D
Acq: 20 Oct 2025 11:36 am

Tgt Ion:142 Resp: 116005

Ion	Ratio	Lower	Upper
142	100		
141	82.0	55.9	115.9
115	37.5	5.4	65.4



Manual Integration Approval Summary

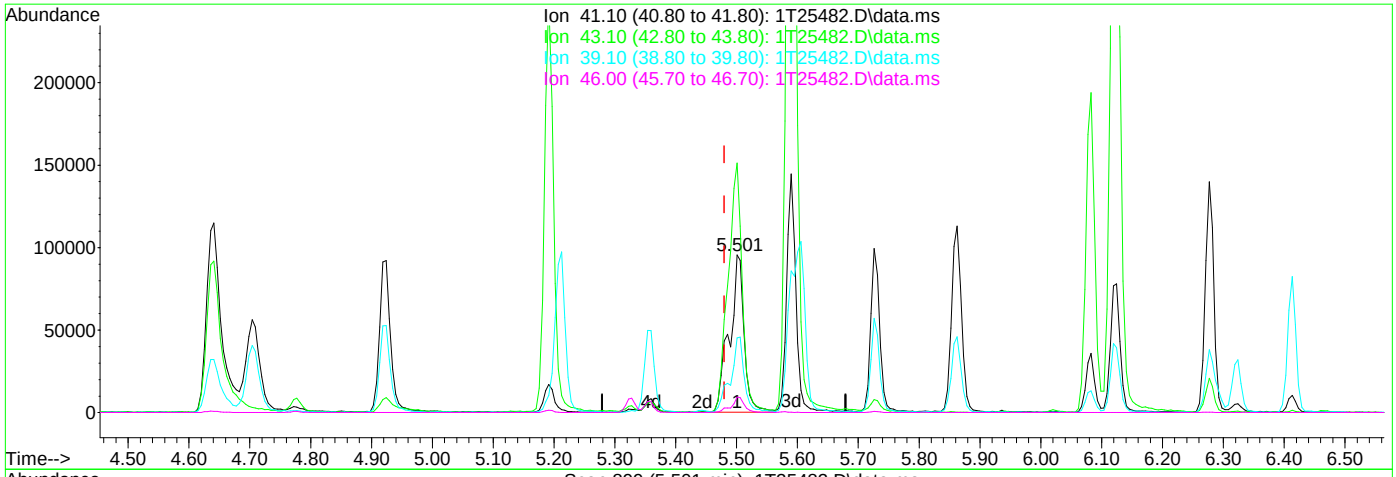
Sample Number:	V1T610-BS	**Method:**	SW846 8260D
Lab FileID:	1T25482.D	**Analyst approved:**	10/20/25 16:53 Braian Casallas
Injection Time:	10/20/25 11:36	**Supervisor approved:**	10/20/25 17:23 MoHui Huang

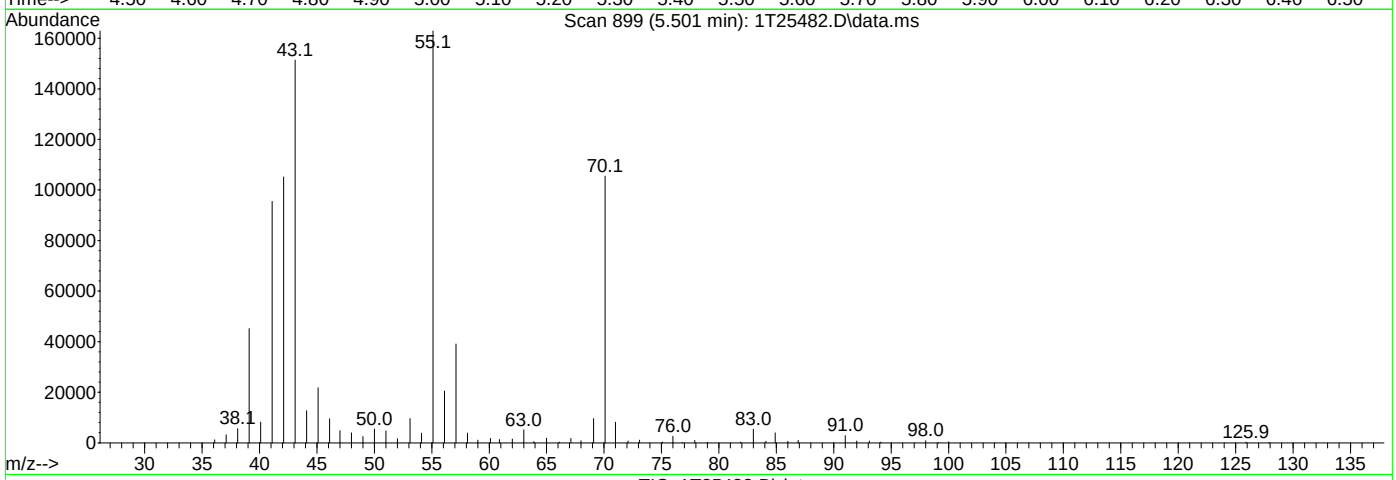
Parameter	CAS	Sig#	R.T. (min.)	Reason
2-Nitropropane	79-46-9		5.49	Overlapping peak

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\braianc\2025\10. October\20102025\V1T610\
Data File : 1T25482.D
Acq On : 20 Oct 2025 11:36 am
Operator : edwardd
Sample : bs Inst : GCMST
Misc : MS46075,V1T0610,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 20 19:09:21 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 11:55:28 2025
Response via : Initial Calibration





TIC: 1T25482.D\data.ms

(61) 2-nitropropane

5.501min (+0.021) 150.13ug/L

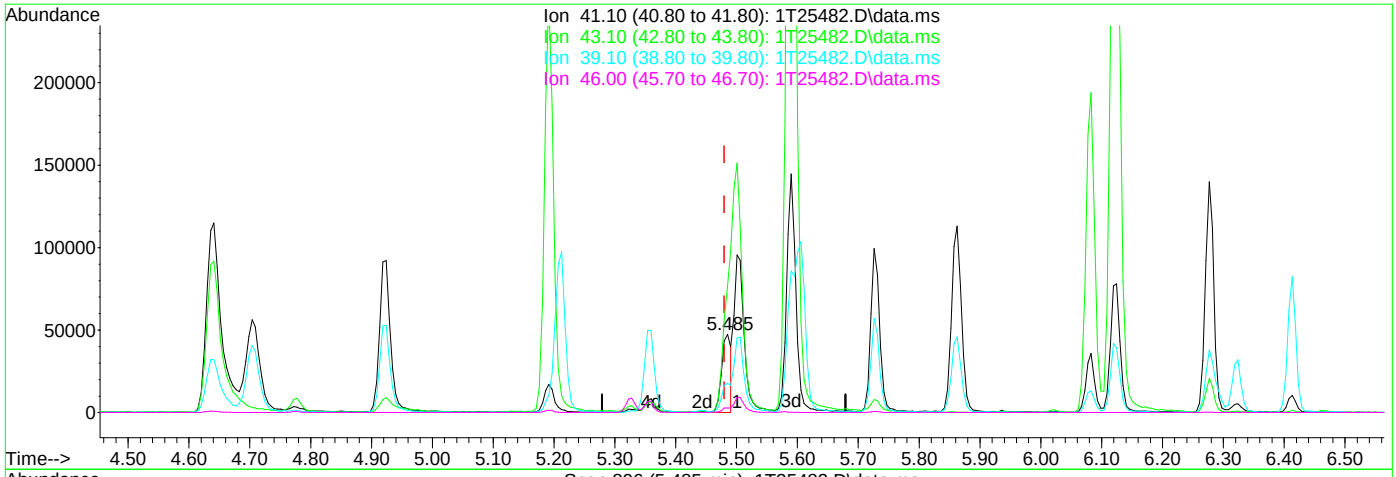
response 161291

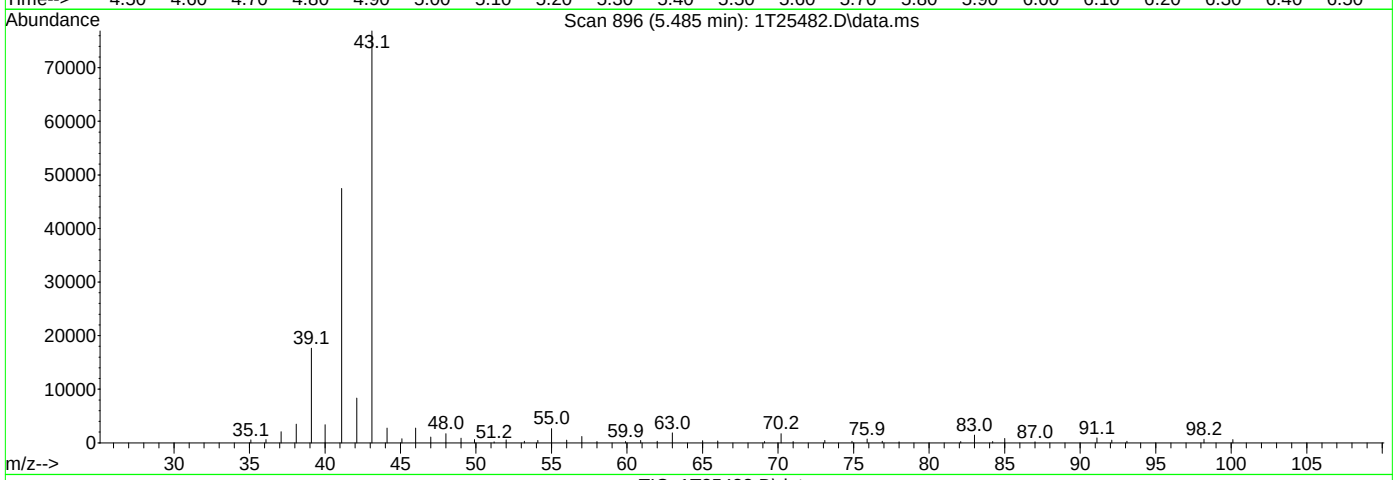
Ion	Exp%	Act%
41.10	100	100
43.10	126.20	158.62#
39.10	41.90	46.87
46.00	7.20	9.90

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\braianc\2025\10. October\20102025\V1T610\
Data File : 1T25482.D
Acq On : 20 Oct 2025 11:36 am
Operator : edwardd
Sample : bs Inst : GCMST
Misc : MS46075,V1T0610,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 20 19:09:21 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 11:55:28 2025
Response via : Initial Calibration





TIC: 1T25482.D\data.ms

(61) 2-nitropropane

5.485min (+0.006) 47.34ug/L m

response 50865

Ion	Exp%	Act%
41.10	100	100
43.10	126.20	161.96#
39.10	41.90	37.23
46.00	7.20	5.83

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\michaellab\10-23-2025\VL11478\
Data File : L373954.d
Acq On : 23 Oct 2025 12:25 am
Operator : BridgetK
Sample : bs Inst : GCMSL
Misc : MS46075,VL11478,5,,,,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Oct 23 08:21:02 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 13:39:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	2.607	65	210080	500.00	ug/L	0.00
5) pentafluorobenzene	3.752	168	199283	50.00	ug/L	0.00
51) 1,4-difluorobenzene	4.288	114	338330	50.00	ug/L	0.00
72) chlorobenzene-d5	6.611	117	256495	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	8.774	152	129388	50.00	ug/L	0.00
124) pentafluorobenzene(a)	3.752	168	199283	50.00	ug/L	0.00
131) 1,4-dichlorobenzene-d4(a)	8.774	152	129388	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	3.749	113	102684	49.36	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.72%			
52) 1,2-dichloroethane-d4 (s)	3.986	65	119491	48.55	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 97.10%			
73) toluene-d8 (s)	5.392	98	381871	51.33	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 102.66%			
97) 4-bromofluorobenzene (s)	7.677	95	133023	47.91	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 95.82%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.705	88	78772	1359.1949	ug/L	94
3) ethanol	2.087	45	246340	5727.8784	ug/L	98
4) tertiary butyl alcohol	2.658	59	157367	242.2574	ug/L	97
6) chlorodifluoromethane	1.368	51	161863	55.4032	ug/L	99
7) dichlorodifluoromethane	1.352	85	158226	53.6054	ug/L	100
8) chloromethane	1.484	50	127807	45.1149	ug/L	98
9) vinyl chloride	1.554	62	138551	49.4211	ug/L	99
10) 1,3-butadiene	1.580	54	150625	58.0745	ug/L	99
11) bromomethane	1.769	96	34033	48.8194	ug/L	99
12) chloroethane	1.837	64	56452	48.0019	ug/L	97
13) trichlorofluoromethane	1.997	101	204313	57.3141	ug/L	99
14) ethyl ether	2.164	74	63692	53.6445	ug/L	94
15) acrolein	2.254	56	24552	48.2607	ug/L	95
16) freon 113	2.318	151	88402	58.8518	ug/L	99
17) 1,1-dichloroethene	2.321	96	105449	56.1718	ug/L	99
18) acetone	2.337	58	70604	191.1220	ug/L	99
19) acetonitrile	2.510	40	133332	460.5997	ug/L	99
20) iodomethane	2.424	142	67803	45.3802	ug/L	99
21) iso-butyl alcohol	3.900	43	103677	412.7751	ug/L	92
22) carbon disulfide	2.475	76	314999	53.3471	ug/L	100
23) methylene chloride	2.626	84	118551	51.1692	ug/L	97
24) methyl acetate	2.523	74	28935	49.5815	ug/L	91
25) methyl tert butyl ether	2.780	73	348670	56.1445	ug/L	97
26) trans-1,2-dichloroethene	2.793	96	117002	54.8143	ug/L	97
27) hexane	2.960	57	149128	56.5576	ug/L	99
28) di-isopropyl ether	3.066	45	336041	51.6939	ug/L	98
29) ethyl tert-butyl ether	3.300	59	357575	53.5528	ug/L	98
30) 2-butanone	3.409	72	97765	210.3821	ug/L	97
31) 1,1-dichloroethane	3.069	63	211734	52.5129	ug/L	98
32) chloroprene	3.117	53	193887	55.8922	ug/L	98
33) acrylonitrile	2.761	53	56954	51.1796	ug/L	98
34) vinyl acetate	3.049	86	28464	53.9497	ug/L	97
35) ethyl acetate	3.425	45	28747	50.0042	ug/L	94
36) 2,2-dichloropropane	3.438	77	184284	50.7287	ug/L	98
37) cis-1,2-dichloroethene	3.431	96	125315	53.4322	ug/L	97
38) propionitrile	3.454	54	291870	461.0158	ug/L	96
39) methyl acrylate	3.463	85	26089	52.7103	ug/L #	89
40) bromochloromethane	3.585	128	56574	54.7765	ug/L	91

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\michaellab\10-23-2025\VL11478\
Data File : L373954.d
Acq On : 23 Oct 2025 12:25 am
Operator : BridgetK
Sample : bs Inst : GCMSL
Misc : MS46075,VL11478,5,,,,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Oct 23 08:21:02 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 13:39:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) tetrahydrofuran	3.598	72	25990	44.8810	ug/L		93
42) chloroform	3.646	83	221187	49.4335	ug/L		94
44) methacrylonitrile	3.557	67	68540	50.7628	ug/L		95
45) 1,1,1-trichloroethane	3.772	97	195118	55.0718	ug/L		97
46) cyclohexane	3.826	84	164377	55.8333	ug/L		99
47) 1,1-dichloropropene	3.874	75	165348	57.5477	ug/L		98
48) carbon tetrachloride	3.877	117	160216	55.4761	ug/L		96
49) isopropyl acetate	4.003	87	33734	52.6320	ug/L	#	76
50) tert amyl alcohol	3.983	55	51006	203.2794	ug/L		96
53) tert-amyl methyl ether	4.080	73	349914	53.1356	ug/L		100
54) 2,2,4-trimethylpentane	4.080	57	274549	56.0183	ug/L		98
55) n-butyl alcohol	4.359	56	407325	2104.5654	ug/L		100
56) benzene	4.012	78	469416	53.3216	ug/L		98
57) heptane	4.192	57	56007	53.9051	ug/L		96
58) 1,2-dichloroethane	4.041	62	174727	52.1400	ug/L		98
59) trichloroethene	4.468	95	125106	56.4446	ug/L		98
60) ethyl acrylate	4.500	55	189085	47.6675	ug/L		98
61) 2-nitropropane	5.004	41	55025	46.7496	ug/L		99
62) 2-chloroethyl vinyl ether	5.045	63	181078	237.5831	ug/L		96
63) methyl methacrylate	4.673	100	37769	51.4047	ug/L		93
64) 1,2-dichloropropane	4.657	63	119757	53.2927	ug/L		100
65) methylcyclohexane	4.644	83	179083	58.9403	ug/L		94
66) dibromomethane	4.725	93	80737	52.1489	ug/L		99
67) bromodichloromethane	4.846	83	166703	51.9823	ug/L		98
68) cis-1,3-dichloropropene	5.177	75	187211	52.0777	ug/L		99
69) epichlorohydrin	5.087	57	103748	226.3971	ug/L		99
70) 4-methyl-2-pentanone	5.280	58	260297	184.2474	ug/L		99
71) 3-methyl-1-butanol	5.315	70	153401	848.2779	ug/L		97
74) toluene	5.447	92	282002	53.5629	ug/L		99
75) trans-1,3-dichloropropene	5.623	75	176818	53.8651	ug/L		99
76) ethyl methacrylate	5.655	69	163386	49.2611	ug/L		98
77) 1,1,2-trichloroethane	5.787	83	93089	53.3290	ug/L		98
78) 2-hexanone	5.954	58	274422	183.4173	ug/L		95
79) tetrachloroethene	5.870	166	118541	56.0545	ug/L		97
80) 1,3-dichloropropane	5.928	76	183546	54.5606	ug/L		99
81) butyl acetate	6.047	56	91731	46.5284	ug/L		99
82) dibromochloromethane	6.108	129	119440	53.0516	ug/L		99
83) 1,2-dibromoethane	6.217	107	117634	55.4673	ug/L		98
84) n-butyl ether	6.708	57	455027	51.3426	ug/L		97
85) chlorobenzene	6.637	112	288307	52.1544	ug/L		99
86) 1,1,1,2-tetrachloroethane	6.711	131	103812	55.4947	ug/L		98
87) ethylbenzene	6.717	91	522206	54.1451	ug/L		99
88) m,p-xylene	6.833	106	402850	108.4584	ug/L		98
89) o-xylene	7.179	106	194389	53.5228	ug/L		96
90) butyl acrylate	7.125	55	254471	47.9004	ug/L		100
91) styrene	7.195	104	333525	54.7683	ug/L		99
92) bromoform	7.362	173	79310	49.5680	ug/L		99
93) n-amyl acetate	7.330	70	96864	48.7209	ug/L		100
94) isopropylbenzene	7.513	105	478867	54.6276	ug/L		98
95) cis-1,4-dichloro-2-butene	7.571	88	25369	33.9952	ug/L		96
98) bromobenzene	7.811	156	117756	51.2828	ug/L		94
99) 1,1,2,2-tetrachloroethane	7.802	83	162141	46.6115	ug/L		99
100) trans-1,4-dichloro-2-b...	7.840	53	23019	33.0123	ug/L	#	72
101) 1,2,3-trichloropropane	7.856	110	49184	47.3148	ug/L		95
102) n-propylbenzene	7.901	91	584840	52.6996	ug/L		99
103) 2-chlorotoluene	7.988	126	111780	51.9045	ug/L		98
104) 4-chlorotoluene	8.104	126	116834	51.1490	ug/L		91
105) 1,3,5-trimethylbenzene	8.075	105	410813	53.1818	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\michaellab\10-23-2025\VL11478\
Data File : L373954.d
Acq On : 23 Oct 2025 12:25 am
Operator : BridgetK
Sample : bs Inst : GCMSL
Misc : MS46075,VL11478,5,,,,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Oct 23 08:21:02 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 13:39:16 2025
Response via : Initial Calibration

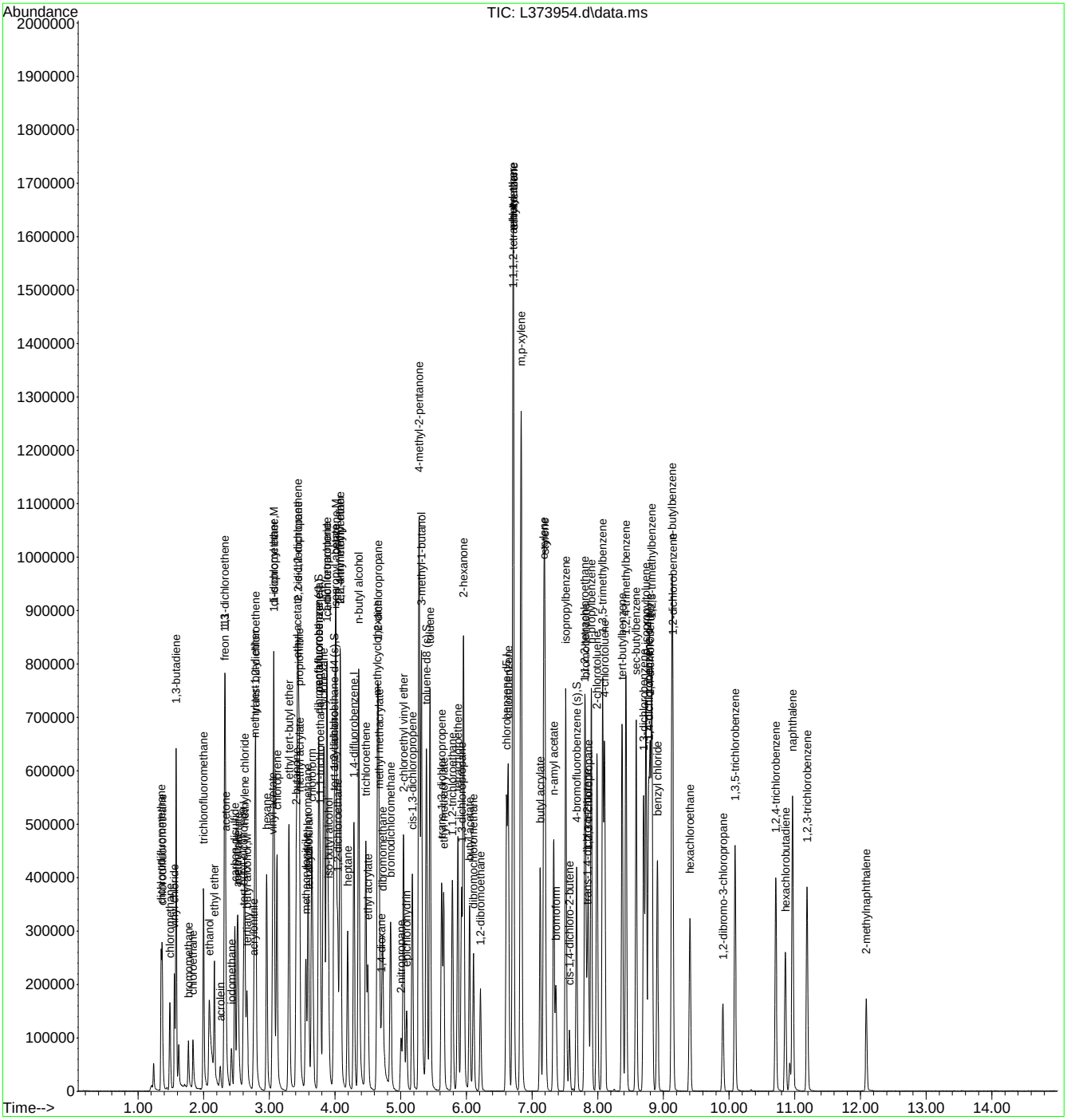
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
106) tert-butylbenzene	8.370	119	319564	52.4445	ug/L	98
107) 1,2,4-trimethylbenzene	8.428	105	419922	53.8152	ug/L	100
108) sec-butylbenzene	8.585	105	473205	53.4947	ug/L	100
109) 1,3-dichlorobenzene	8.700	146	218112	51.3631	ug/L	99
110) p-isopropyltoluene	8.732	119	396842	54.2647	ug/L	98
111) 1,4-dichlorobenzene	8.797	146	224003	51.0624	ug/L	98
112) 1,2,3-trimethylbenzene	8.822	105	431951	52.3999	ug/L	99
113) 1,2-dichlorobenzene	9.143	146	212756	52.1556	ug/L	97
114) n-butylbenzene	9.130	92	197070	54.0910	ug/L	96
115) 1,2-dibromo-3-chloropr...	9.907	157	41525	44.3184	ug/L	92
116) 1,3,5-trichlorobenzene	10.090	180	139915	53.2953	ug/L	98
117) 1,2,4-trichlorobenzene	10.709	180	122691	53.0262	ug/L	96
118) hexachlorobutadiene	10.860	225	48898	56.2377	ug/L	100
119) naphthalene	10.966	128	430591	50.1978	ug/L	98
120) 1,2,3-trichlorobenzene	11.187	180	113649	51.5443	ug/L	98
121) hexachloroethane	9.403	119	54066	48.4726	ug/L	98
122) benzyl chloride	8.909	91	302317	44.5448	ug/L	99
123) 2-methylnaphthalene	12.089	142	79787	24.1095	ug/L	97

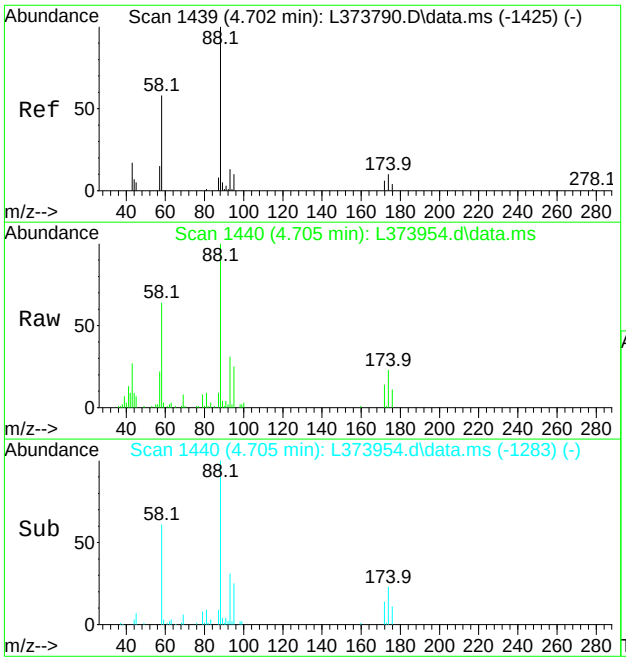
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\michaellab\10-23-2025\VL11478\
Data File : L373954.d
Acq On : 23 Oct 2025 12:25 am
Operator : BridgetK
Sample : bs Inst : GCMSL
Misc : MS46075,VL11478,5,,,,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Oct 23 08:21:02 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 13:39:16 2025
Response via : Initial Calibration

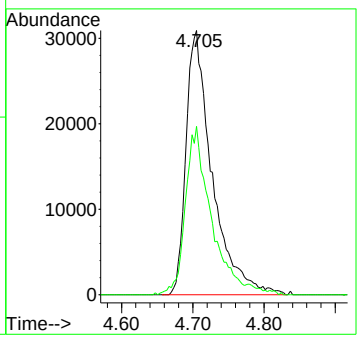


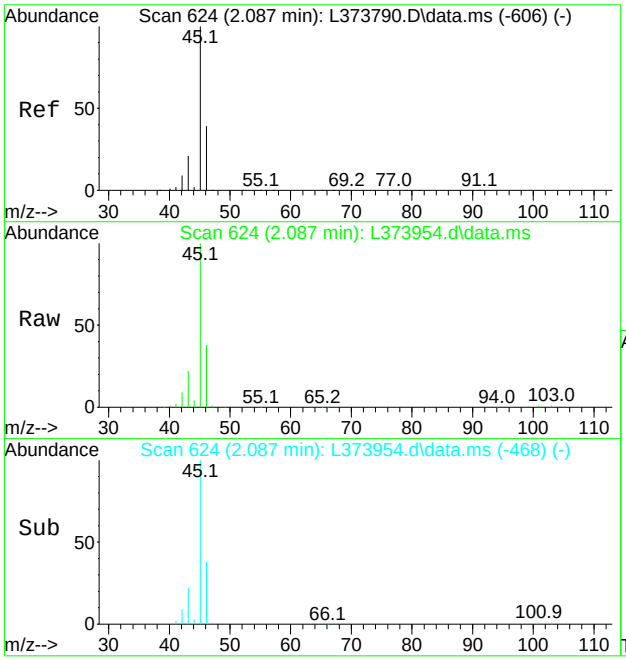


#2
1,4-dioxane
Concen: 1359.1949 ug/L
RT: 4.705 min Scan# 1440
Delta R.T. 0.003 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 88 Resp: 78772

Ion	Ratio	Lower	Upper
88	100		
58	63.7	29.1	89.1

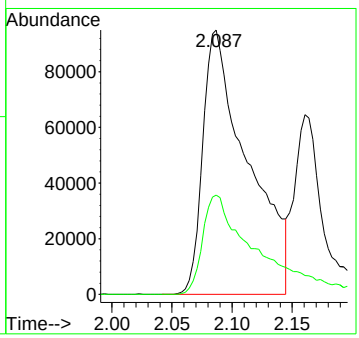


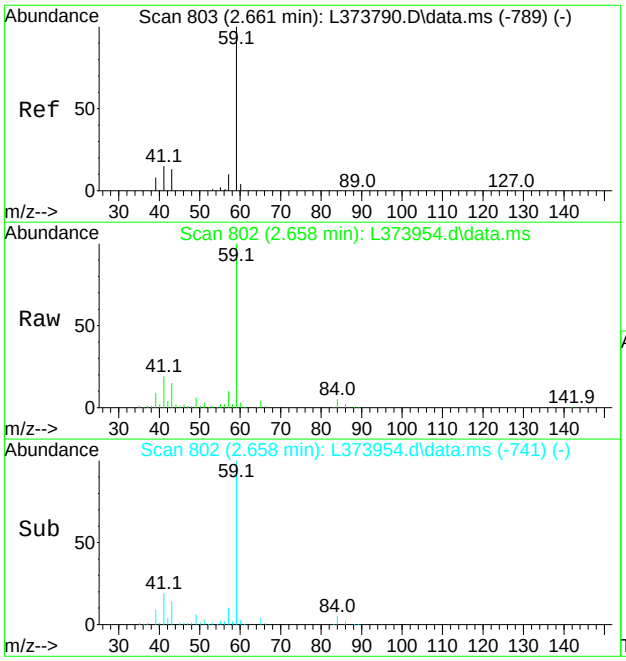


#3
ethanol
Concen: 5727.8784 ug/L
RT: 2.087 min Scan# 624
Delta R.T. -0.000 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 45 Resp: 246340

Ion	Ratio	Lower	Upper
45	100		
46	37.5	18.6	58.6

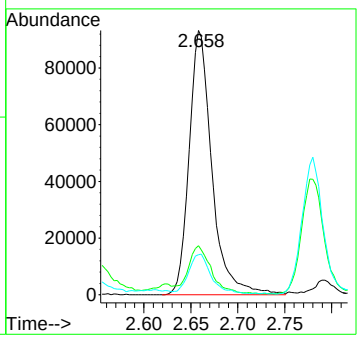


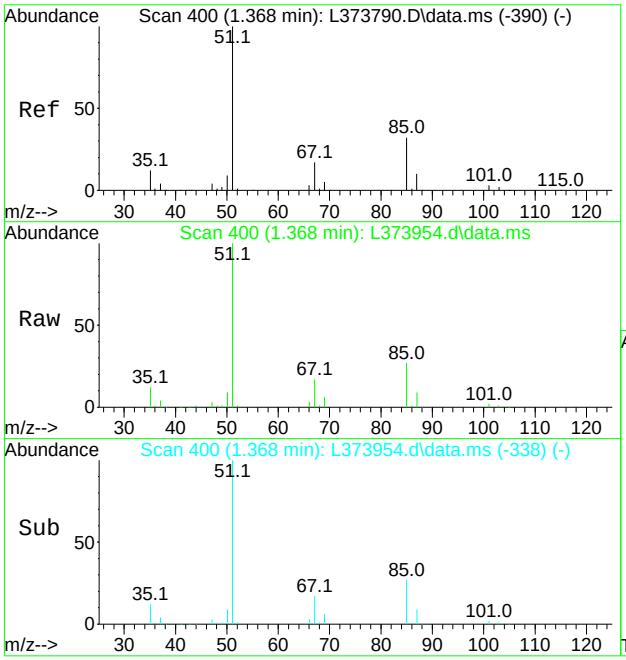


#4
tertiary butyl alcohol
Concen: 242.2574 ug/L
RT: 2.658 min Scan# 802
Delta R.T. -0.003 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 59 Resp: 157367

Ion	Ratio	Lower	Upper
59	100		
41	17.4	0.0	45.3
43	13.9	0.0	43.5

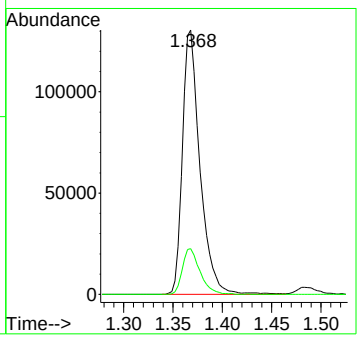


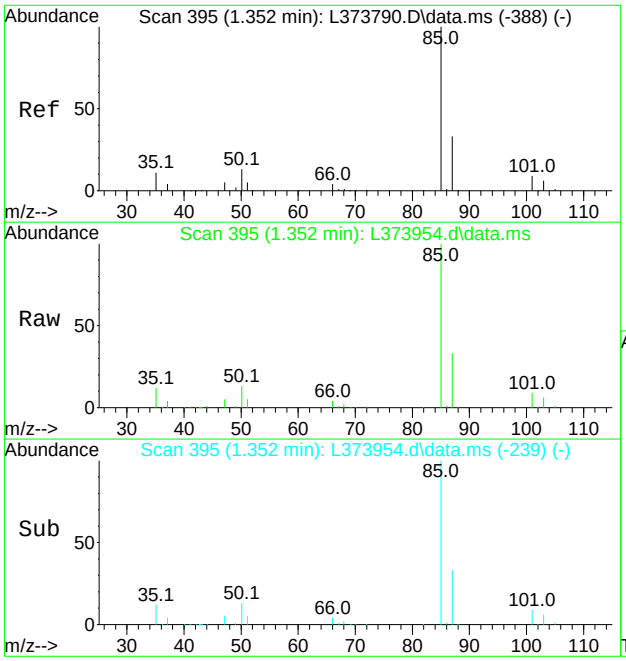


#6
chlorodifluoromethane
Concen: 55.4032 ug/L
RT: 1.368 min Scan# 400
Delta R.T. 0.000 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 51 Resp: 161863

Ion	Ratio	Lower	Upper
51	100		
67	17.3	0.0	37.0

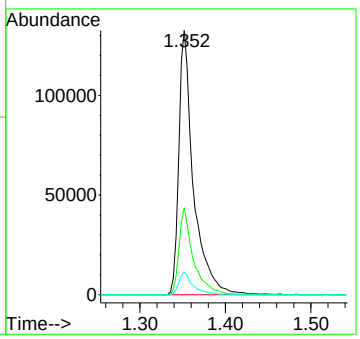


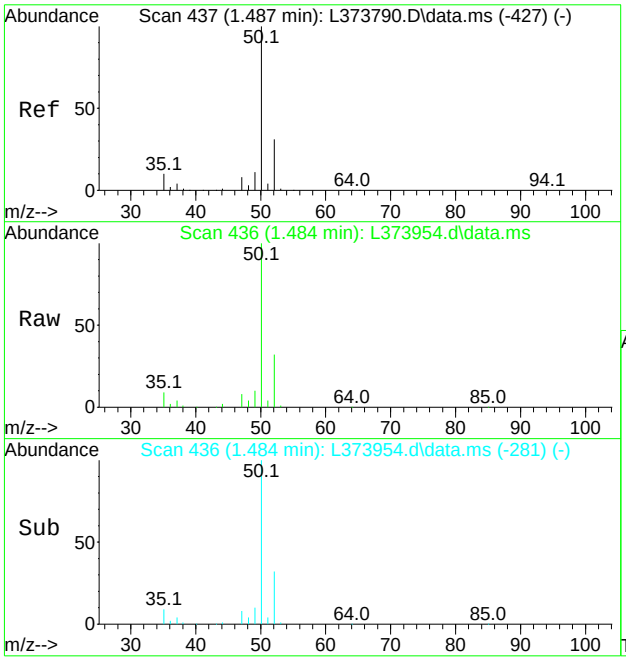


#7
dichlorodifluoromethane
Concen: 53.6054 ug/L
RT: 1.352 min Scan# 395
Delta R.T. -0.000 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 85 Resp: 158226

Ion	Ratio	Lower	Upper
85	100		
87	32.9	2.8	62.8
101	8.6	0.0	38.9

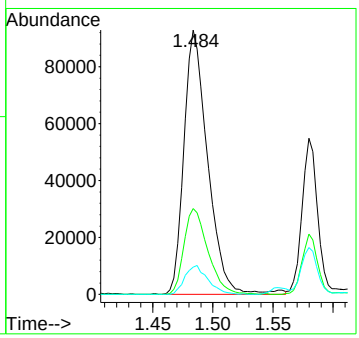


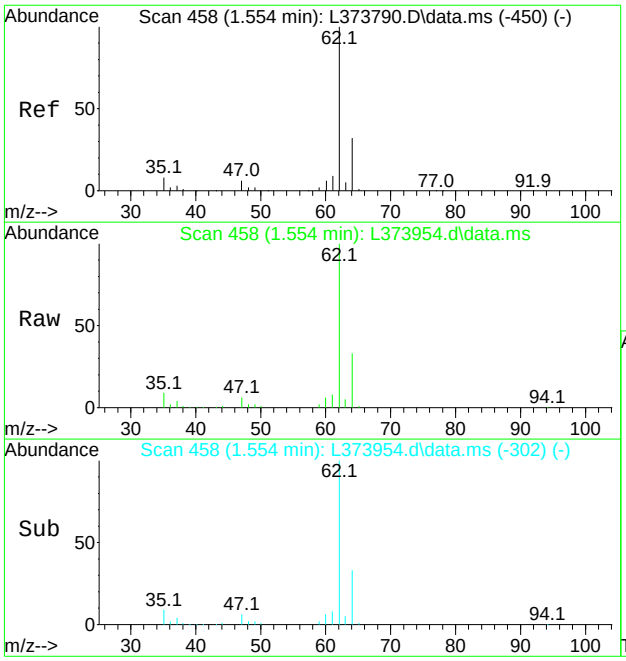


#8
chloromethane
Concen: 45.1149 ug/L
RT: 1.484 min Scan# 436
Delta R.T. -0.003 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 50 Resp: 127807

Ion	Ratio	Lower	Upper
50	100		
52	32.5	1.5	61.5
49	10.3	0.0	41.1

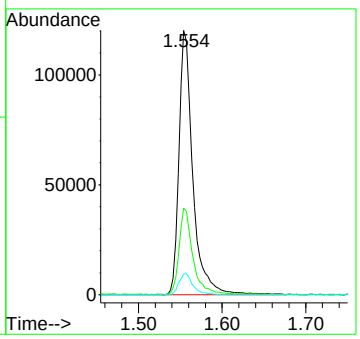


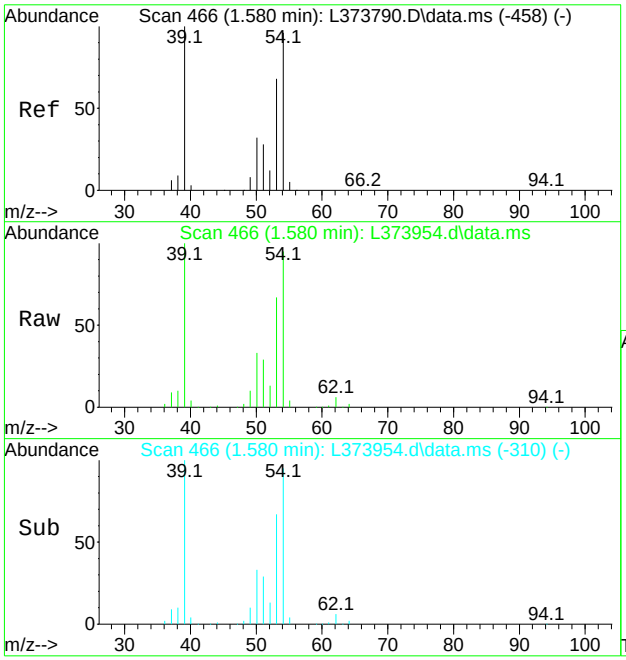


#9
vinyl chloride
Concen: 49.4211 ug/L
RT: 1.554 min Scan# 458
Delta R.T. 0.000 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 62 Resp: 138551

Ion	Ratio	Lower	Upper
62	100		
64	32.5	2.2	62.2
61	7.9	0.0	38.5

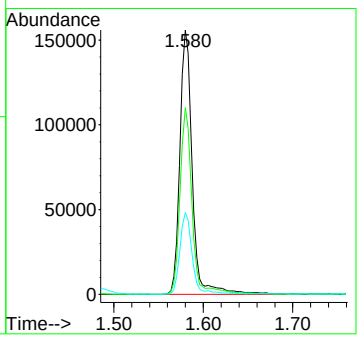


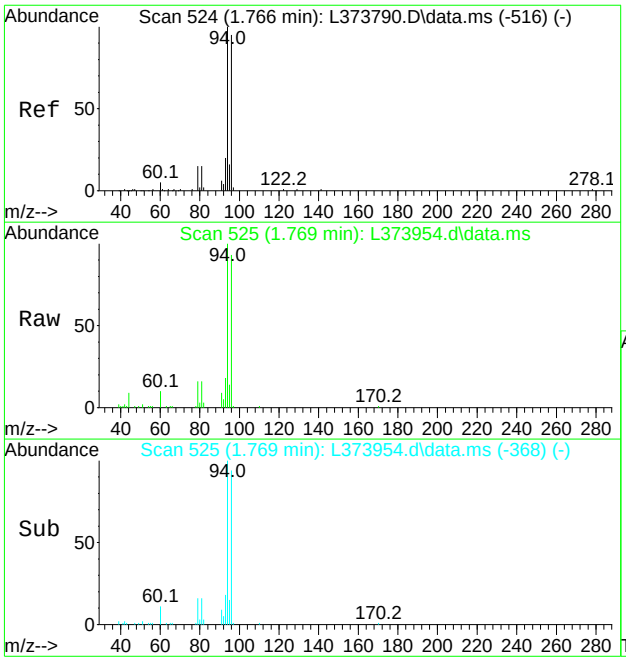


#10
1,3-butadiene
Concen: 58.0745 ug/L
RT: 1.580 min Scan# 466
Delta R.T. -0.000 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 54 Resp: 150625

Ion	Ratio	Lower	Upper
54	100		
53	70.6	40.7	100.7
51	31.0	0.0	59.5

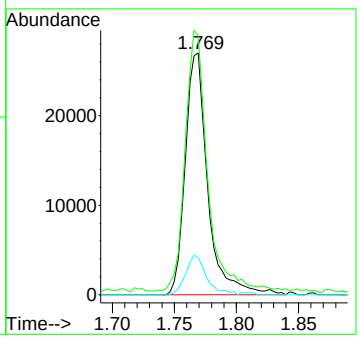


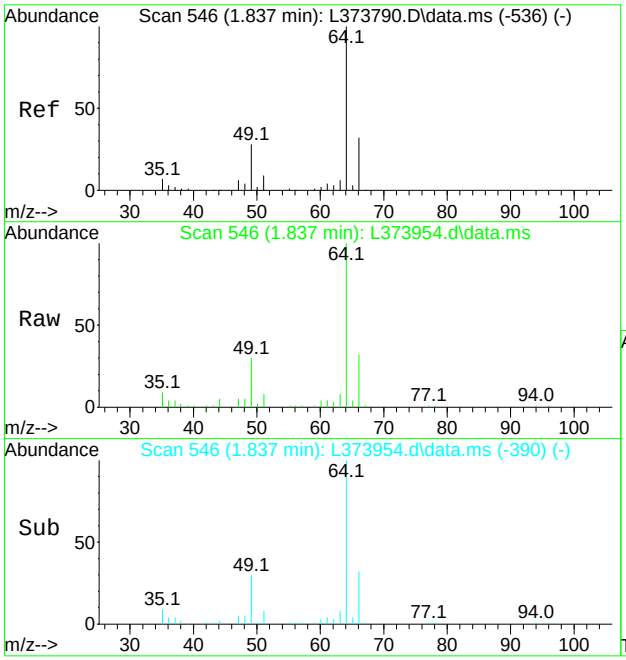


#11
bromomethane
Concen: 48.8194 ug/L
RT: 1.769 min Scan# 525
Delta R.T. 0.003 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 96 Resp: 34033

Ion	Ratio	Lower	Upper
96	100		
94	105.3	76.7	136.7
95	15.4	0.0	46.3

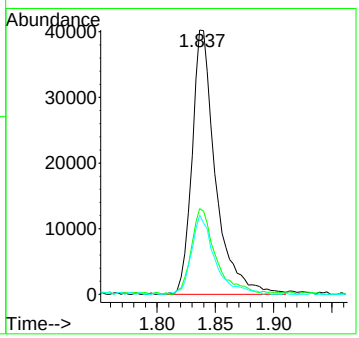


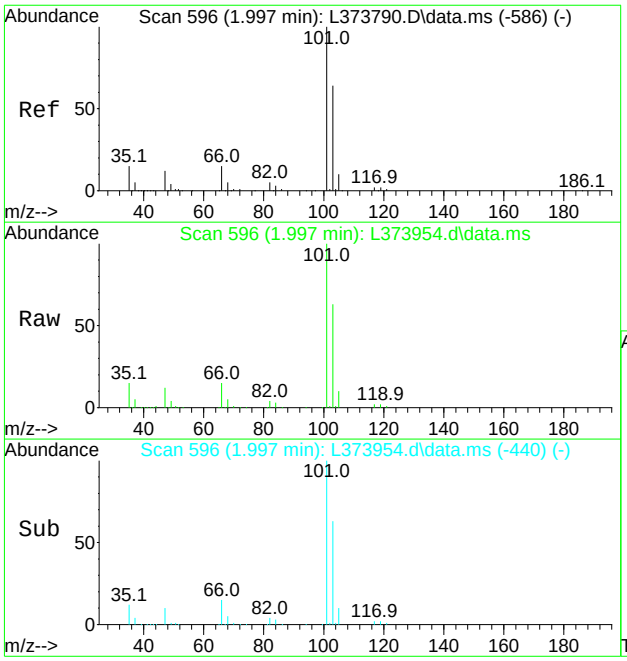


#12
chloroethane
Concen: 48.0019 ug/L
RT: 1.837 min Scan# 546
Delta R.T. -0.000 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 64 Resp: 56452

Ion	Ratio	Lower	Upper
64	100		
66	32.5	1.8	61.8
49	29.9	0.0	57.7

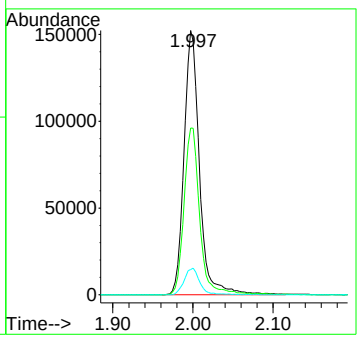


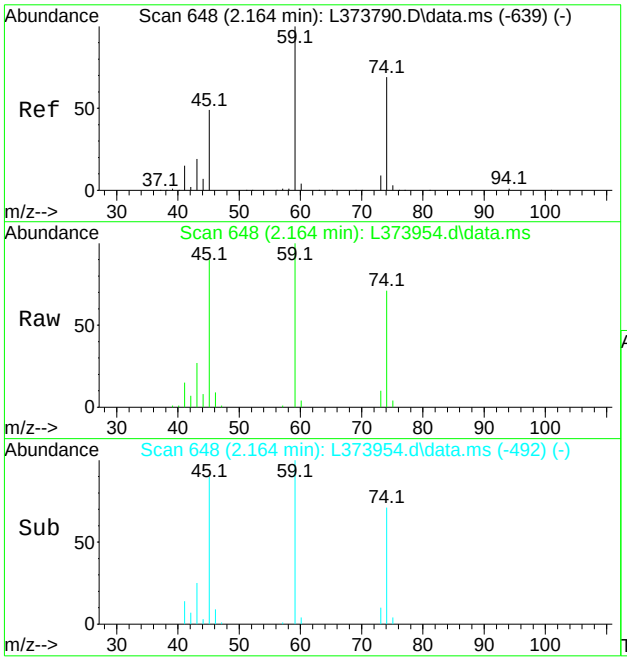


#13
trichlorofluoromethane
Concen: 57.3141 ug/L
RT: 1.997 min Scan# 596
Delta R.T. -0.000 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion:101 Resp: 204313

Ion	Ratio	Lower	Upper
101	100		
103	63.1	33.8	93.8
105	9.6	0.0	40.0

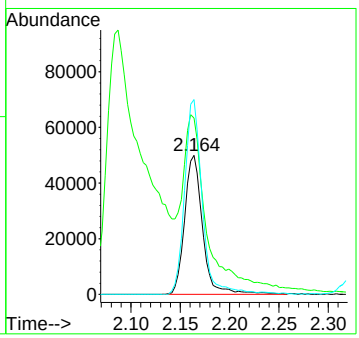


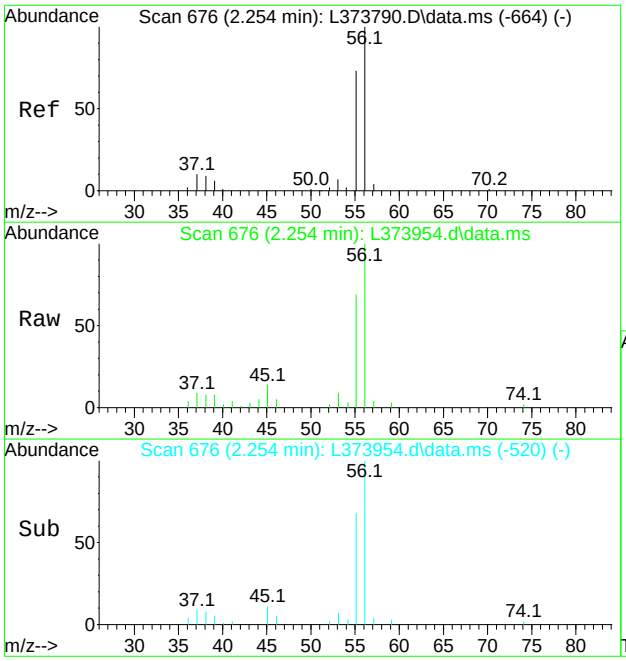


#14
ethyl ether
Concen: 53.6445 ug/L
RT: 2.164 min Scan# 648
Delta R.T. -0.000 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 74 Resp: 63692

Ion	Ratio	Lower	Upper
74	100		
45	122.1	102.0	162.0
59	140.1	114.2	174.2

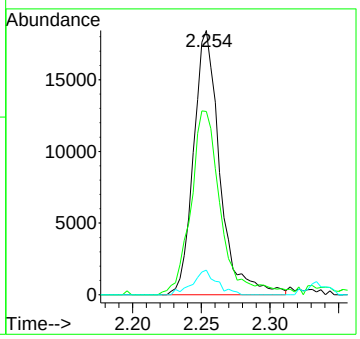


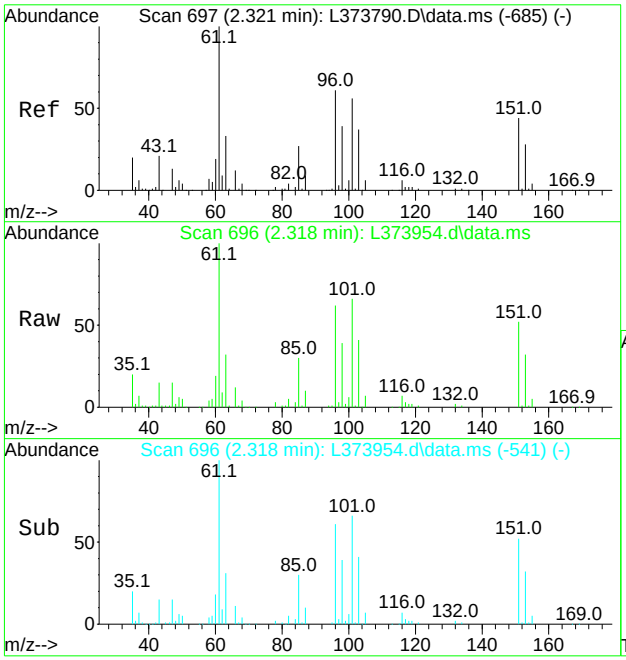


#15
acrolein
Concen: 48.2607 ug/L
RT: 2.254 min Scan# 676
Delta R.T. -0.000 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 56 Resp: 24552

Ion	Ratio	Lower	Upper
56	100		
55	68.2	42.9	102.9
53	9.3	0.0	38.0

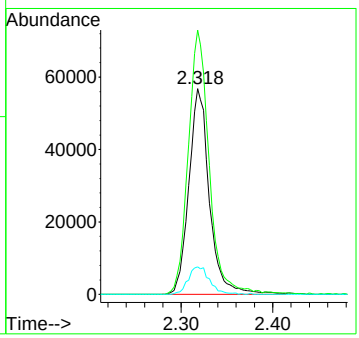


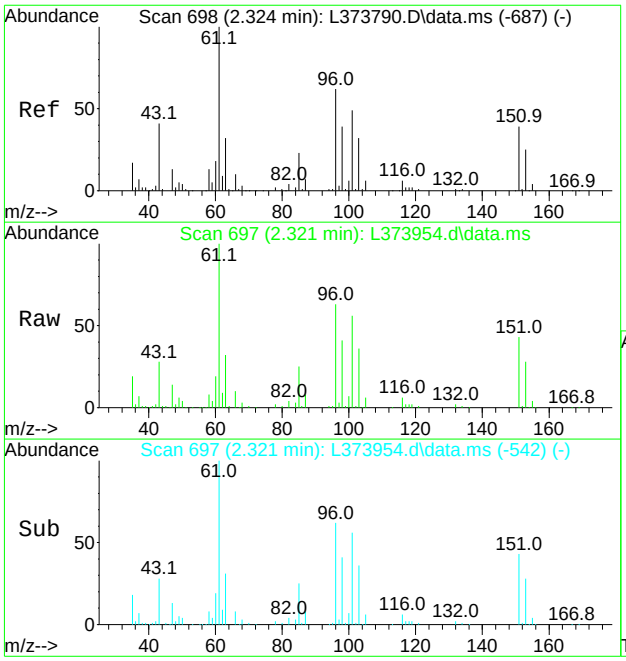


#16
freon 113
Concen: 58.8518 ug/L
RT: 2.318 min Scan# 696
Delta R.T. -0.003 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion:151 Resp: 88402

Ion	Ratio	Lower	Upper
151	100		
101	128.5	107.4	147.4
116	13.4	0.0	33.9

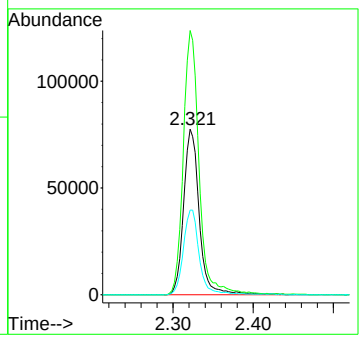


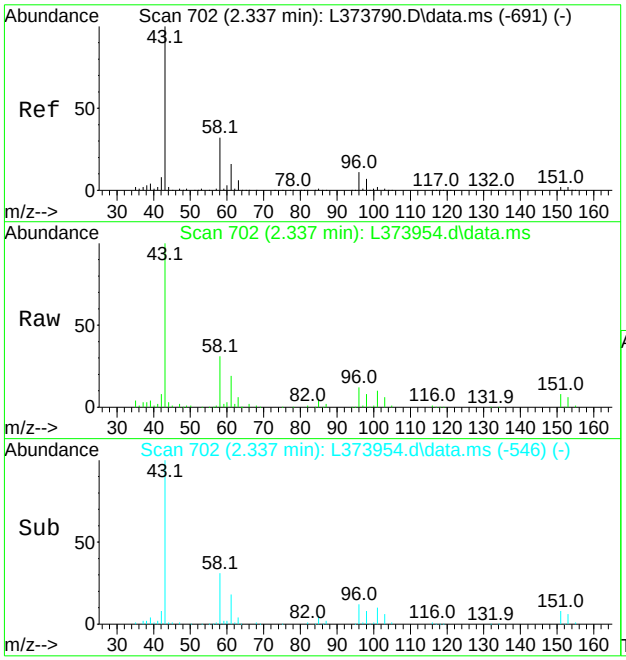


#17
1,1-dichloroethene
Concen: 56.1718 ug/L
RT: 2.321 min Scan# 697
Delta R.T. -0.003 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 96 Resp: 105449

Ion	Ratio	Lower	Upper
96	100		
61	159.6	131.4	191.4
63	51.0	22.3	82.3

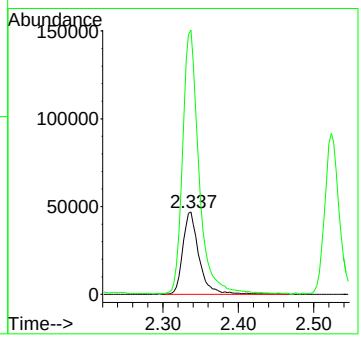


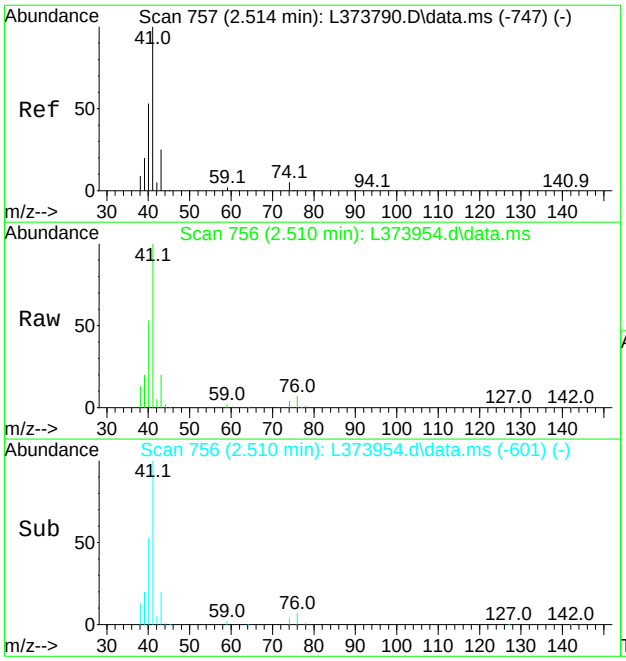


#18
acetone
Concen: 191.1220 ug/L
RT: 2.337 min Scan# 702
Delta R.T. 0.000 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 58 Resp: 70604

Ion	Ratio	Lower	Upper
58	100		
43	319.1	286.5	346.5

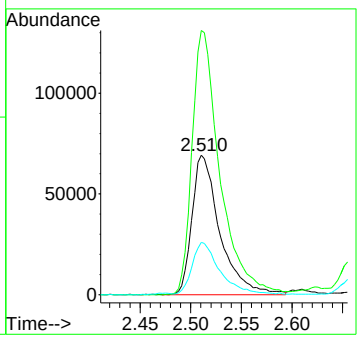


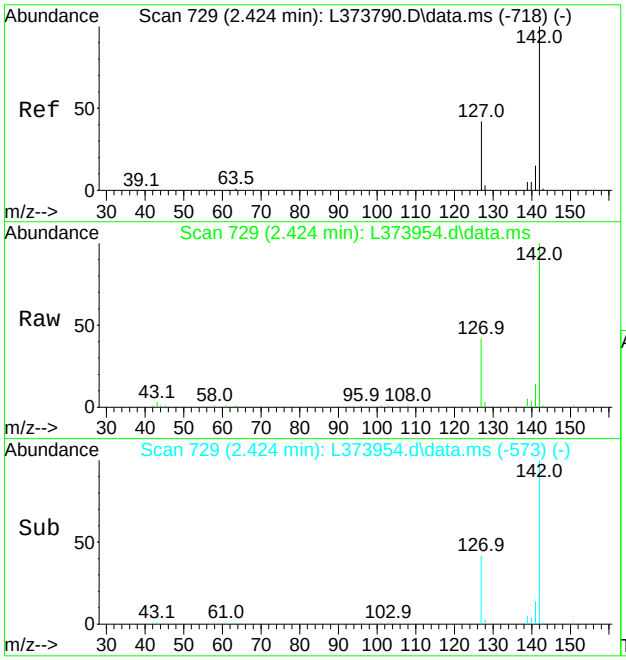


#19
acetonitrile
Concen: 460.5997 ug/L
RT: 2.510 min Scan# 756
Delta R.T. -0.004 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 40 Resp: 133332

Ion	Ratio	Lower	Upper
40	100		
41	189.2	158.5	218.5
39	37.2	8.2	68.2

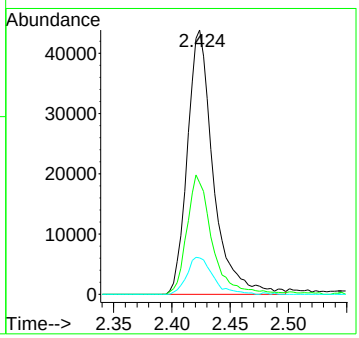


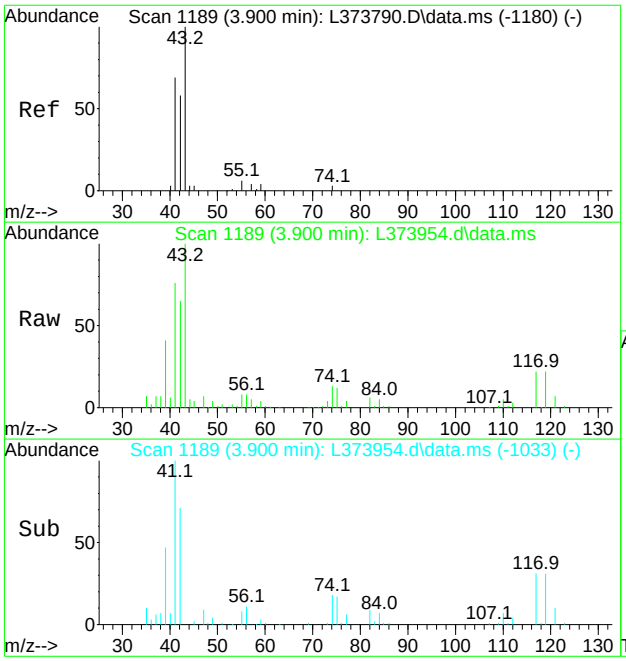


#20
iodomethane
Concen: 45.3802 ug/L
RT: 2.424 min Scan# 729
Delta R.T. -0.000 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion:142 Resp: 67803

Ion	Ratio	Lower	Upper
142	100		
127	42.2	12.2	72.2
141	13.8	0.0	44.6

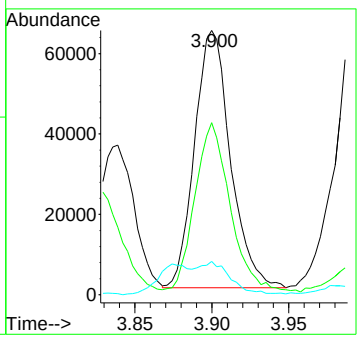


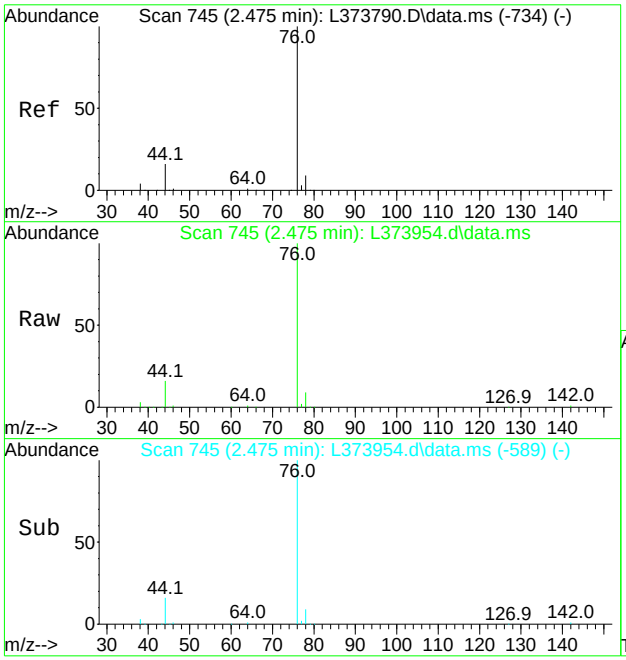


#21
iso-butyl alcohol
Concen: 412.7751 ug/L
RT: 3.900 min Scan# 1189
Delta R.T. -0.000 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 43 Resp: 103677

Ion	Ratio	Lower	Upper
43	100		
42	64.9	28.3	88.3
74	12.6	0.0	40.9

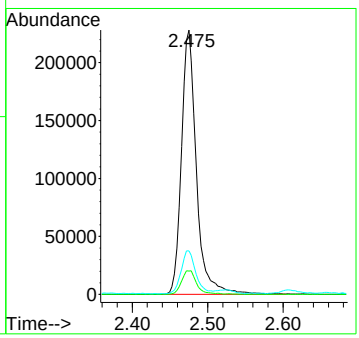


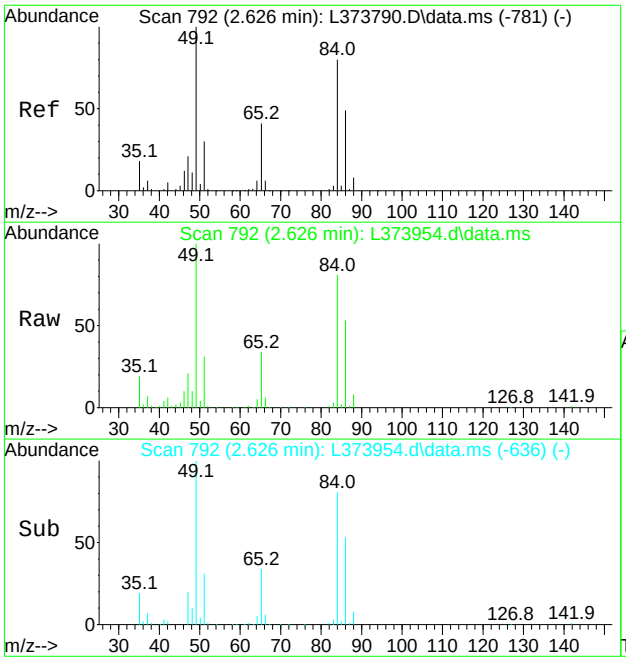


#22
carbon disulfide
Concen: 53.3471 ug/L
RT: 2.475 min Scan# 745
Delta R.T. 0.000 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 76 Resp: 314999

Ion	Ratio	Lower	Upper
76	100		
78	8.8	0.0	38.9
44	16.1	0.0	46.1

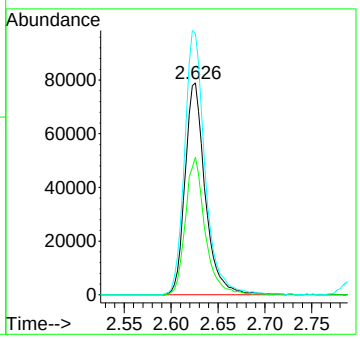


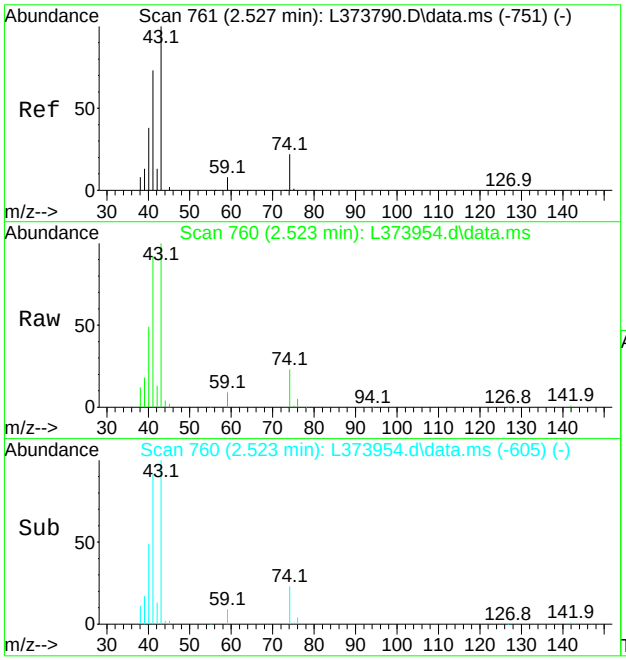


#23
methylene chloride
Concen: 51.1692 ug/L
RT: 2.626 min Scan# 792
Delta R.T. -0.000 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 84 Resp: 118551

Ion	Ratio	Lower	Upper
84	100		
86	65.0	31.2	91.2
49	123.3	95.6	155.6

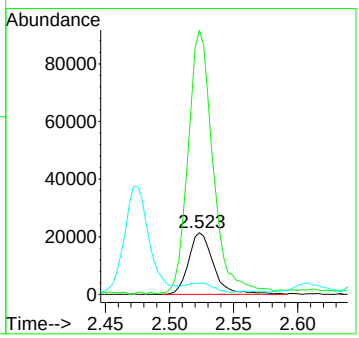


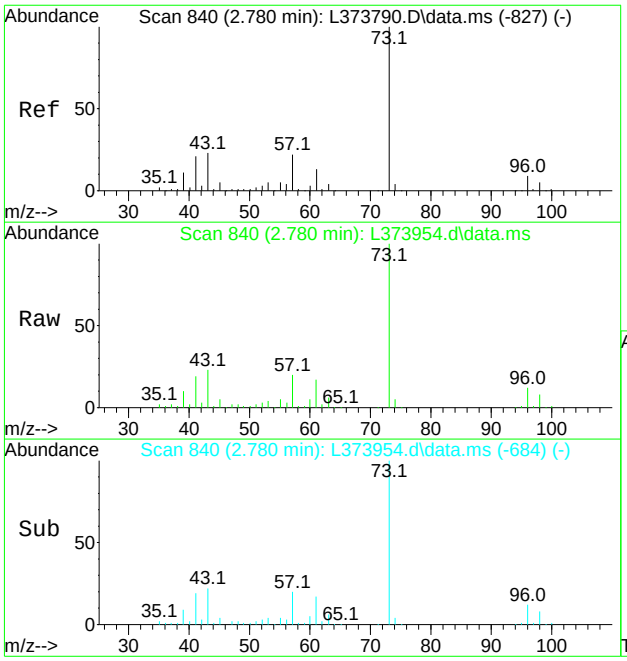


#24
methyl acetate
Concen: 49.5815 ug/L
RT: 2.523 min Scan# 760
Delta R.T. -0.004 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 74 Resp: 28935

Ion	Ratio	Lower	Upper
74	100		
43	425.5	417.7	477.7
44	11.6	0.0	39.0

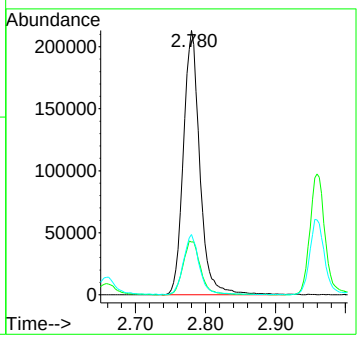


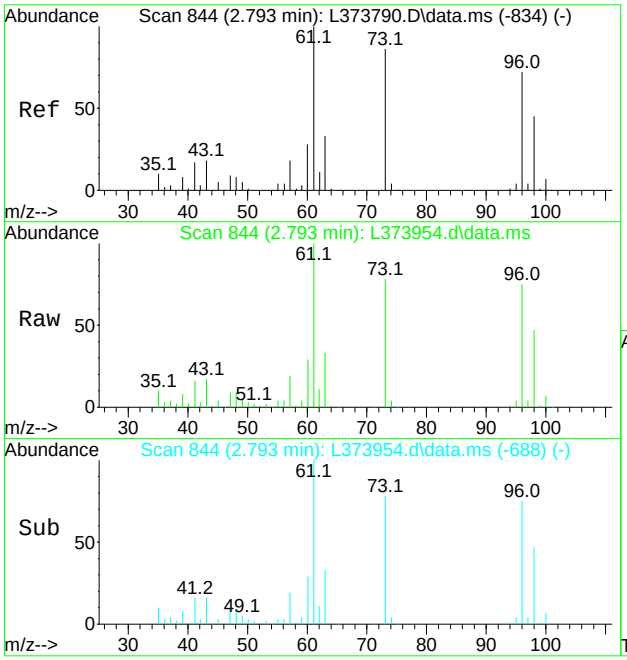


#25
methyl tert butyl ether
Concen: 56.1445 ug/L
RT: 2.780 min Scan# 840
Delta R.T. -0.000 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 73 Resp: 348670

Ion	Ratio	Lower	Upper
73	100		
57	20.0	0.0	52.4
43	22.8	0.0	52.7

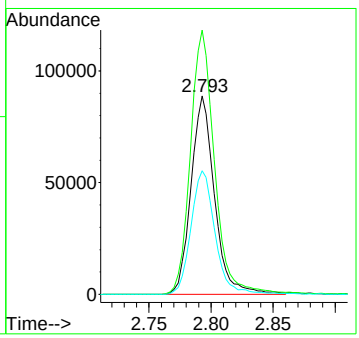


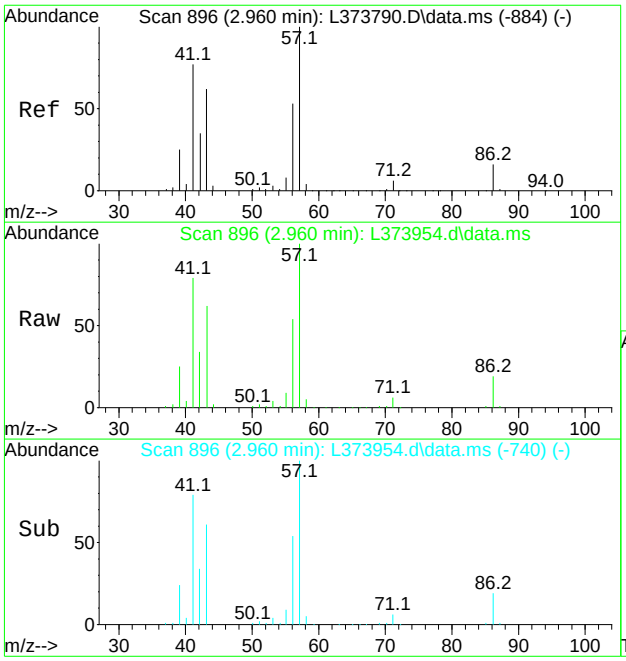


#26
trans-1,2-dichloroethene
Concen: 54.8143 ug/L
RT: 2.793 min Scan# 844
Delta R.T. -0.000 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 96 Resp: 117002

Ion	Ratio	Lower	Upper
96	100		
61	133.3	109.1	169.1
98	62.4	32.0	92.0

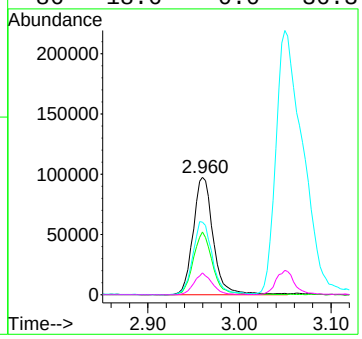


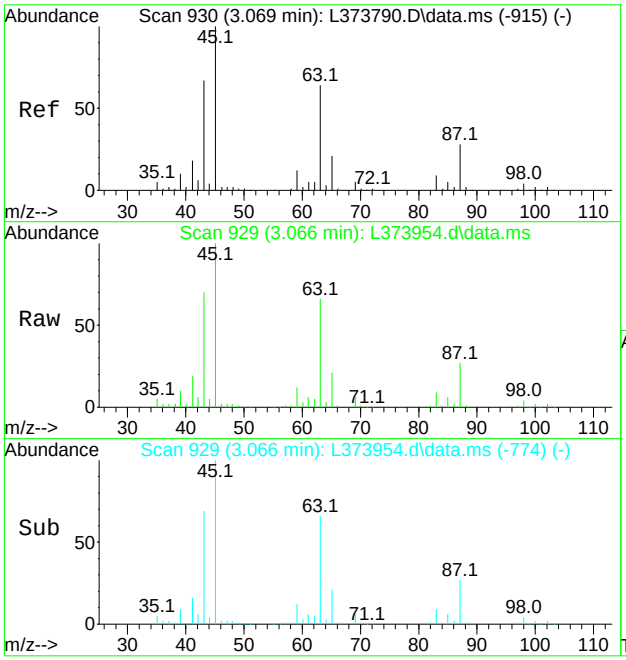


#27
hexane
Concen: 56.5576 ug/L
RT: 2.960 min Scan# 896
Delta R.T. -0.000 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 57 Resp: 149128

Ion	Ratio	Lower	Upper
57	100		
56	53.6	32.9	72.9
43	61.9	41.9	81.9
86	18.6	0.0	36.3

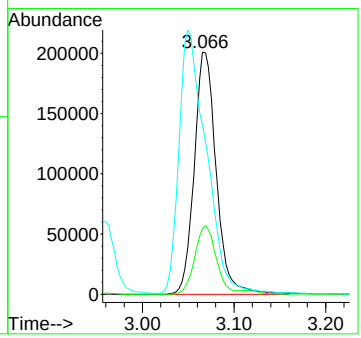


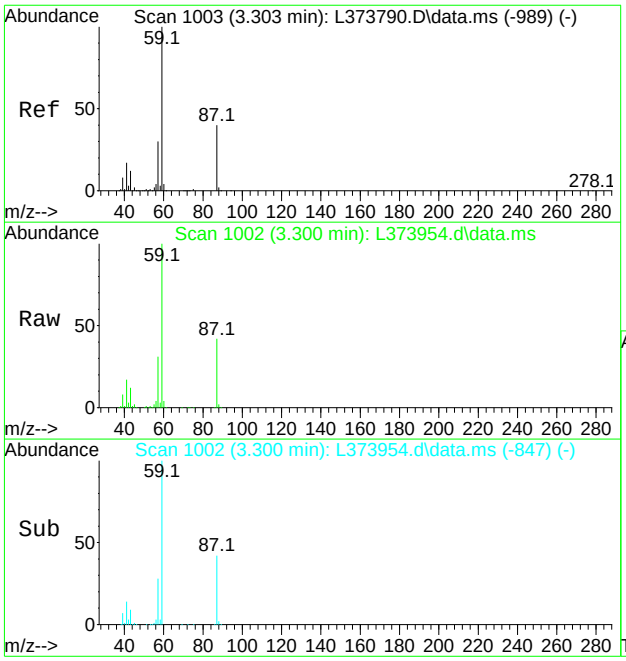


#28
di-isopropyl ether
Concen: 51.6939 ug/L
RT: 3.066 min Scan# 929
Delta R.T. -0.003 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 45 Resp: 336041

Ion	Ratio	Lower	Upper
45	100		
87	27.1	0.0	57.5
43	69.2	37.5	97.5

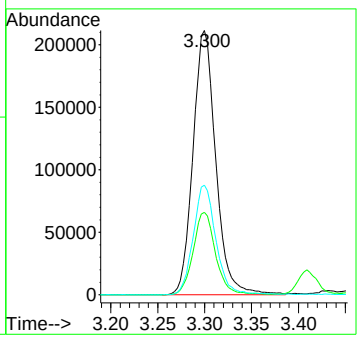


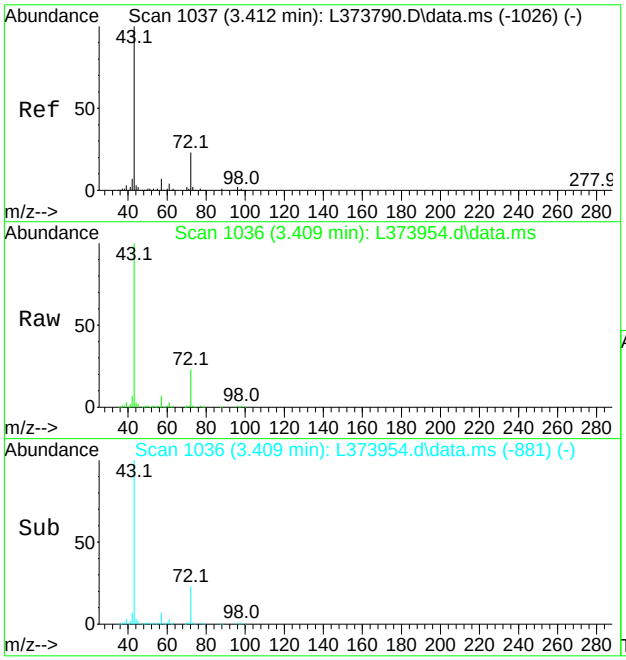


#29
ethyl tert-butyl ether
Concen: 53.5528 ug/L
RT: 3.300 min Scan# 1002
Delta R.T. -0.003 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 59 Resp: 357575

Ion	Ratio	Lower	Upper
59	100		
57	31.1	0.3	60.3
87	41.5	9.6	69.6

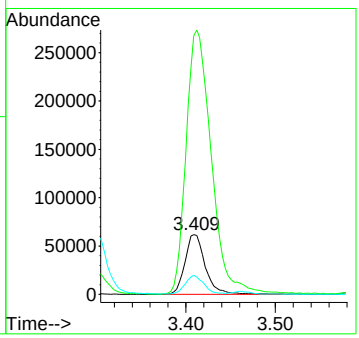


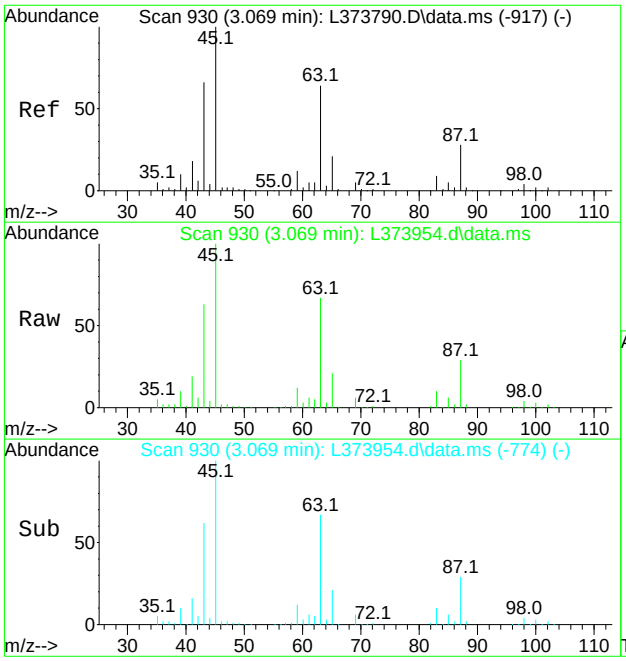


#30
2-butanone
Concen: 210.3821 ug/L
RT: 3.409 min Scan# 1036
Delta R.T. -0.003 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 72 Resp: 97765

Ion	Ratio	Lower	Upper
72	100		
43	433.0	411.9	471.9
57	32.3	2.4	62.4

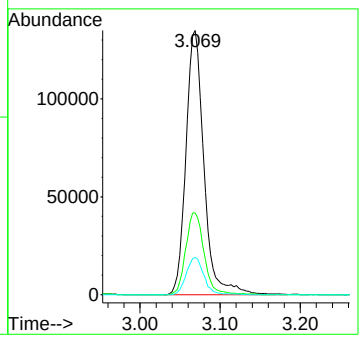


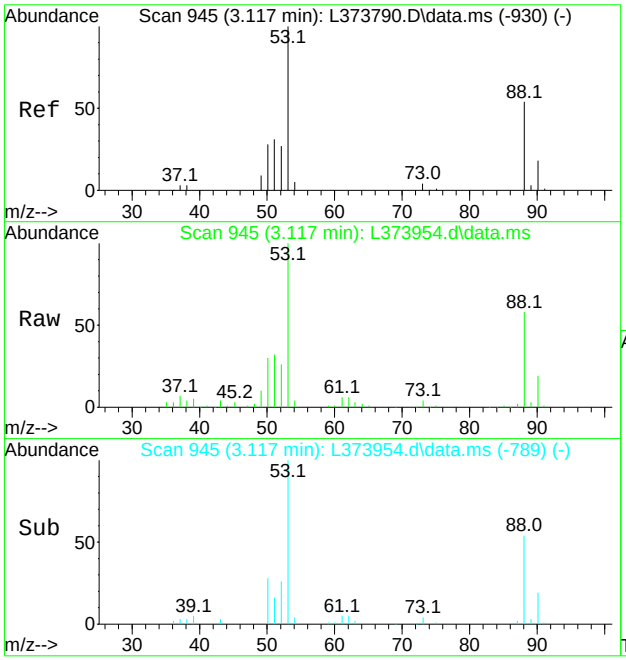


#31
1,1-dichloroethane
Concen: 52.5129 ug/L
RT: 3.069 min Scan# 930
Delta R.T. -0.000 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 63 Resp: 211734

Ion	Ratio	Lower	Upper
63	100		
65	31.0	2.5	62.5
83	14.2	0.0	43.5

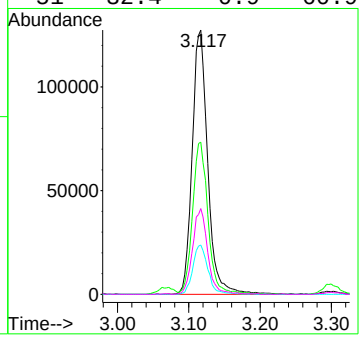


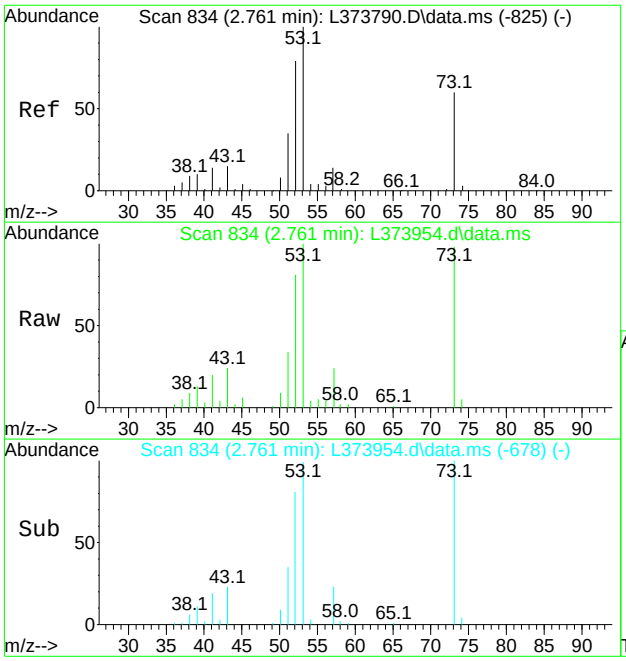


#32
chloroprene
Concen: 55.8922 ug/L
RT: 3.117 min Scan# 945
Delta R.T. -0.000 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 53 Resp: 193887

Ion	Ratio	Lower	Upper
53	100		
88	57.6	26.2	86.2
90	18.7	0.0	47.9
51	32.4	0.9	60.9

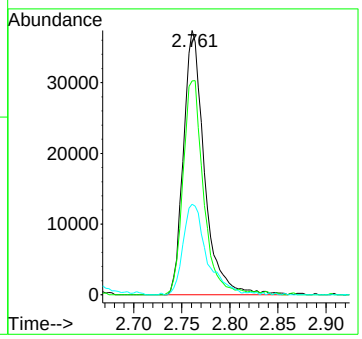


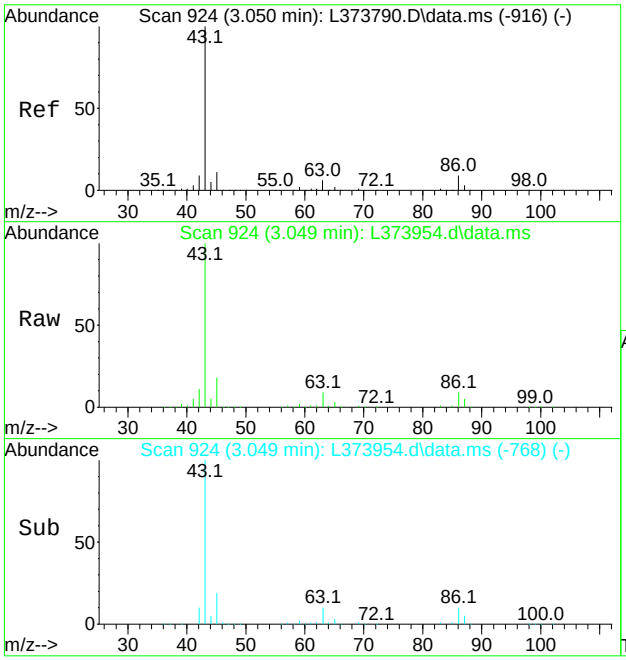


#33
acrylonitrile
Concen: 51.1796 ug/L
RT: 2.761 min Scan# 834
Delta R.T. -0.000 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 53 Resp: 56954

Ion	Ratio	Lower	Upper
53	100		
52	80.9	48.8	108.8
51	34.2	4.6	64.6

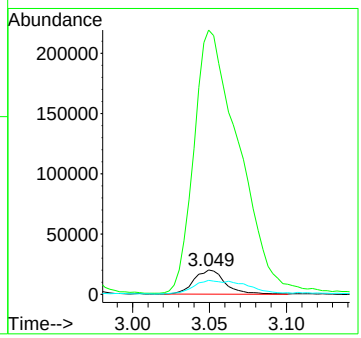


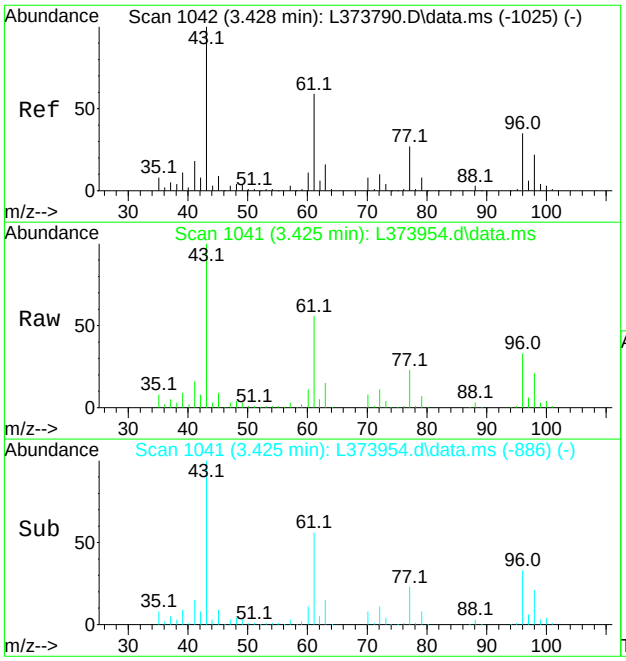


#34
vinyl acetate
Concen: 53.9497 ug/L
RT: 3.049 min Scan# 924
Delta R.T. -0.001 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 86 Resp: 28464

Ion	Ratio	Lower	Upper
86	100		
43	1092.8	1076.3	1136.3
44	56.6	23.6	83.6

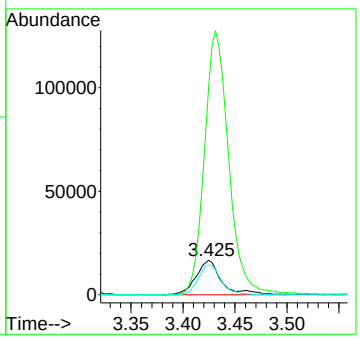


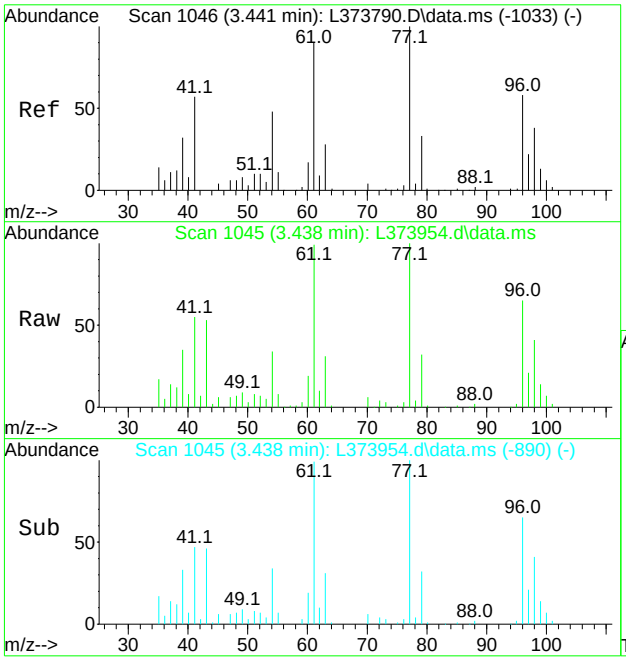


#35
ethyl acetate
Concen: 50.0042 ug/L
RT: 3.425 min Scan# 1041
Delta R.T. -0.003 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 45 Resp: 28747

Ion	Ratio	Lower	Upper
45	100		
61	608.4	598.6	658.6
70	86.2	53.6	113.6

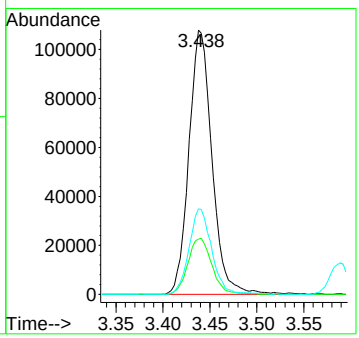


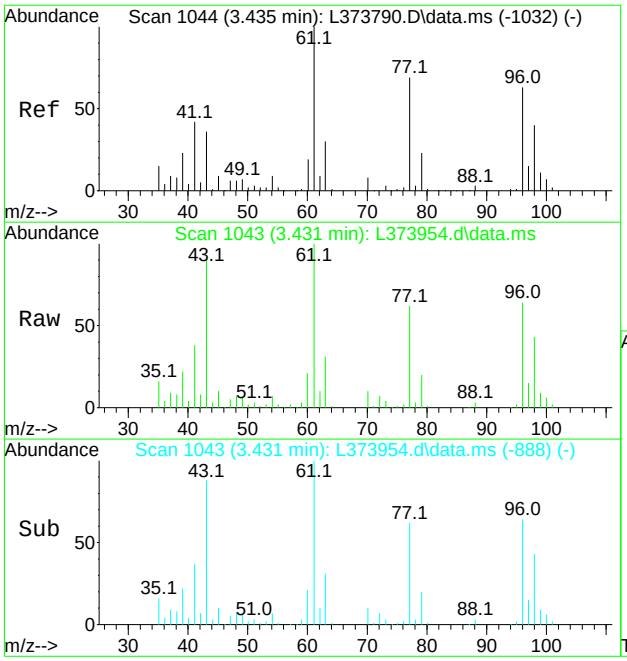


#36
2,2-dichloropropane
Concen: 50.7287 ug/L
RT: 3.438 min Scan# 1045
Delta R.T. -0.003 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 77 Resp: 184284

Ion	Ratio	Lower	Upper
77	100		
97	20.9	0.0	52.3
79	32.3	3.0	63.0

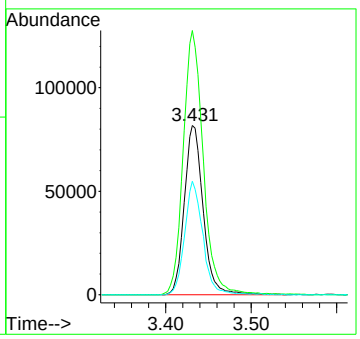


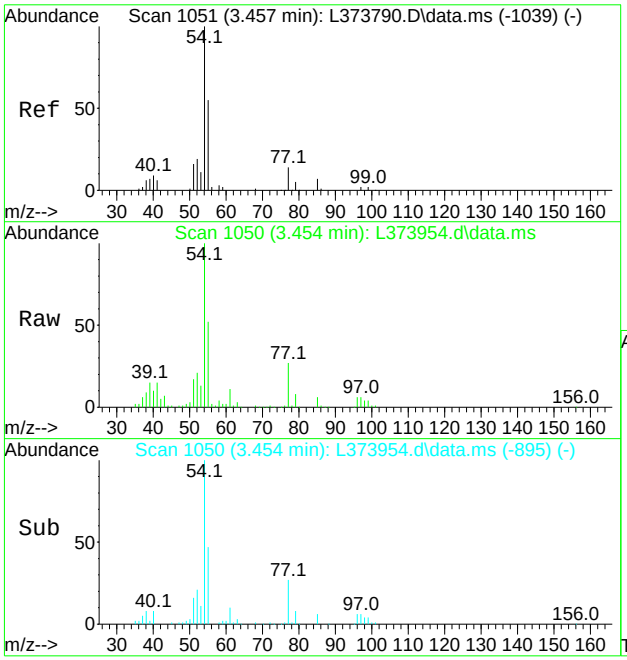


#37
cis-1,2-dichloroethene
Concen: 53.4322 ug/L
RT: 3.431 min Scan# 1043
Delta R.T. -0.004 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 96 Resp: 125315

Ion	Ratio	Lower	Upper
96	100		
61	156.0	128.7	188.7
98	67.1	34.1	94.1

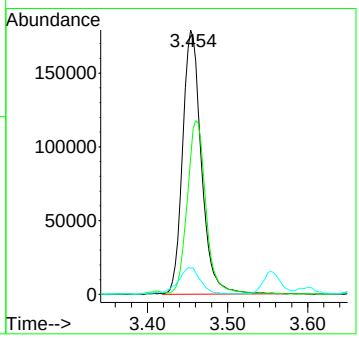


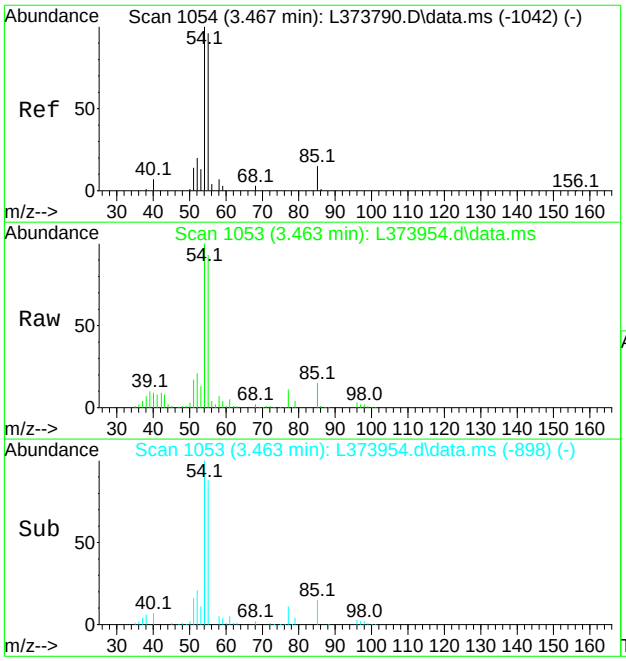


#38
propionitrile
Concen: 461.0158 ug/L
RT: 3.454 min Scan# 1050
Delta R.T. -0.003 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 54 Resp: 291870

Ion	Ratio	Lower	Upper
54	100		
55	51.7	25.4	85.4
40	9.1	0.0	39.0

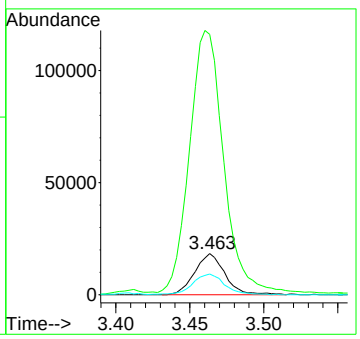


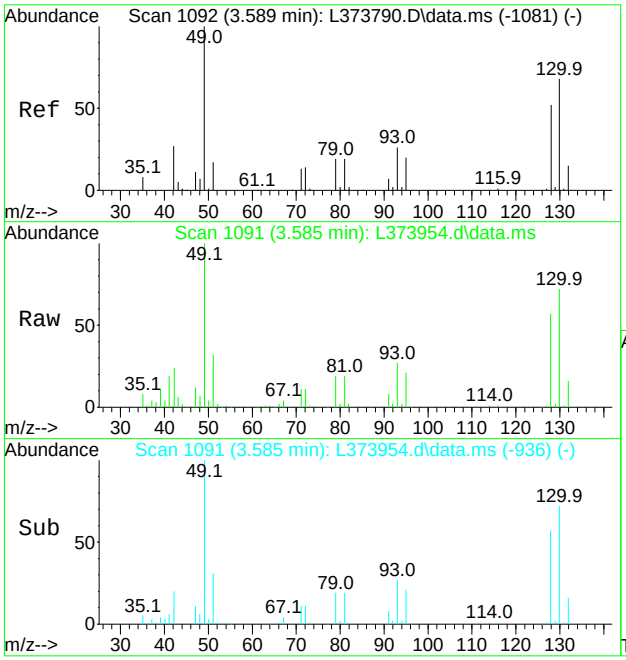


#39
methyl acrylate
Concen: 52.7103 ug/L
RT: 3.463 min Scan# 1053
Delta R.T. -0.004 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 85 Resp: 26089

Ion	Ratio	Lower	Upper
85	100		
55	618.5	639.4	679.4#
58	50.5	29.8	69.8

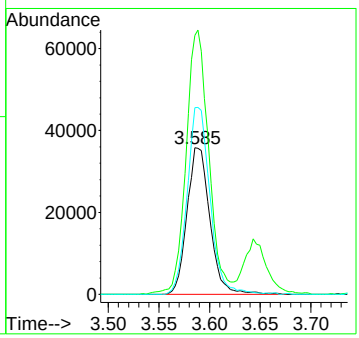


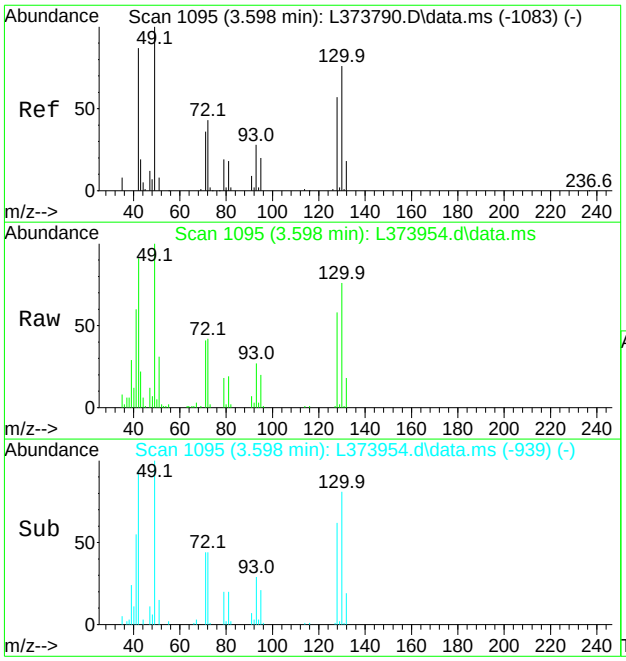


#40
bromochloromethane
Concen: 54.7765 ug/L
RT: 3.585 min Scan# 1091
Delta R.T. -0.004 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion:128 Resp: 56574

Ion	Ratio	Lower	Upper
128	100		
49	174.1	163.3	223.3
130	127.3	100.3	160.3

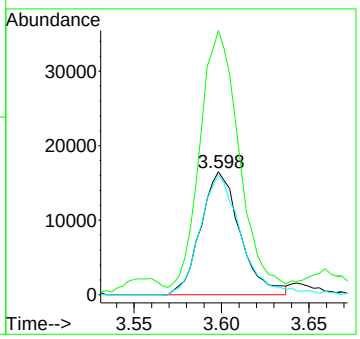


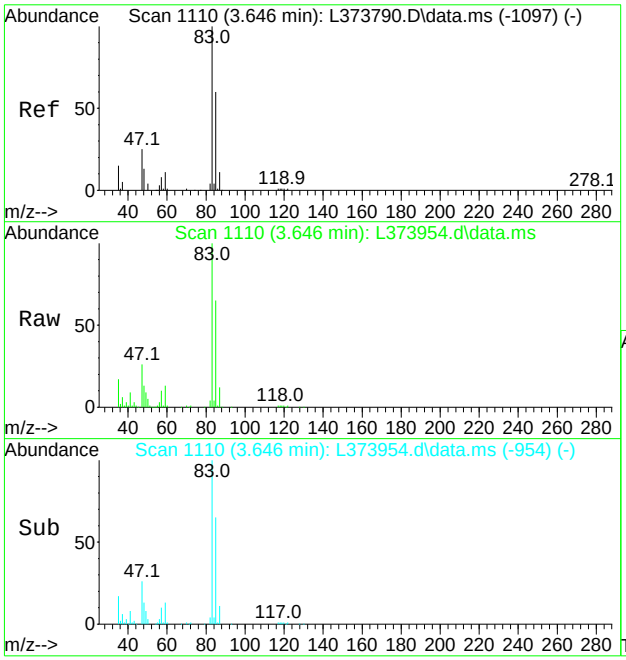


#41
tetrahydrofuran
Concen: 44.8810 ug/L
RT: 3.598 min Scan# 1095
Delta R.T. 0.000 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 72 Resp: 25990

Ion	Ratio	Lower	Upper
72	100		
42	207.5	183.3	243.3
71	97.7	53.5	113.5

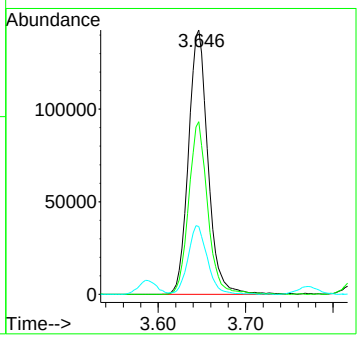


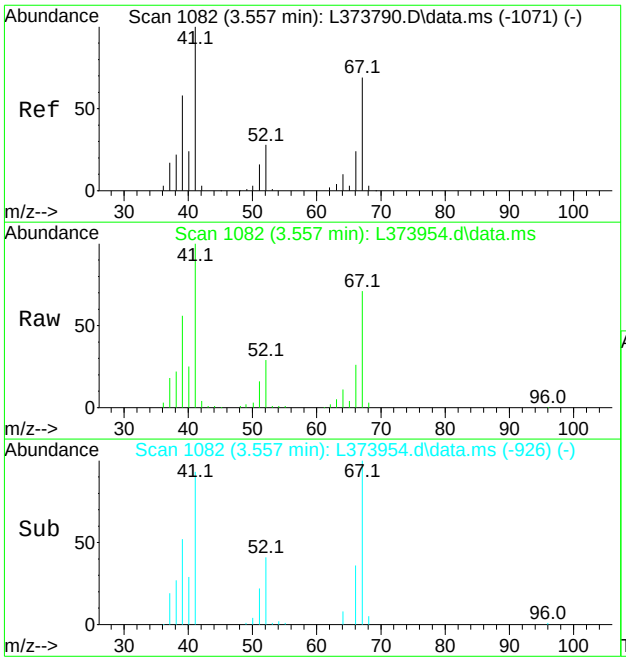


#42
chloroform
Concen: 49.4335 ug/L
RT: 3.646 min Scan# 1110
Delta R.T. 0.000 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 83 Resp: 221187

Ion	Ratio	Lower	Upper
83	100		
85	65.3	29.7	89.7
47	25.4	0.0	54.6

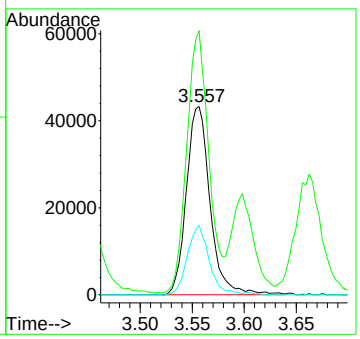


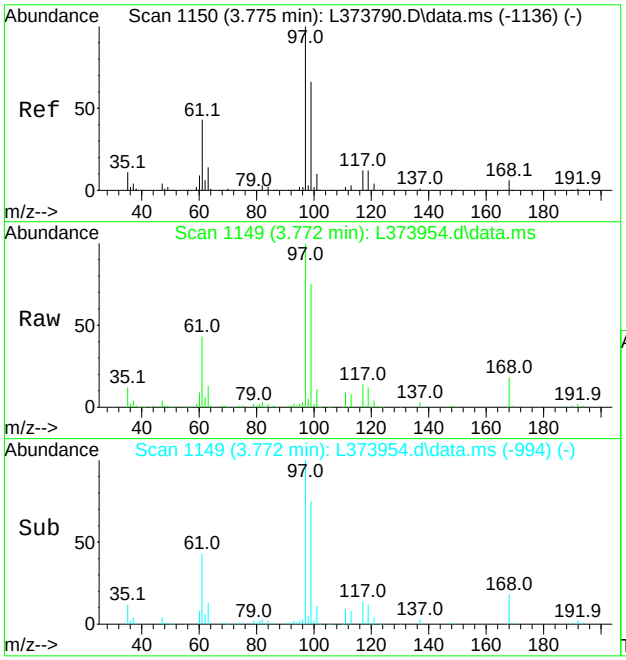


#44
methacrylonitrile
Concen: 50.7628 ug/L
RT: 3.557 min Scan# 1082
Delta R.T. -0.000 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 67 Resp: 68540

Ion	Ratio	Lower	Upper
67	100		
41	139.3	115.3	175.3
66	36.9	4.3	64.3

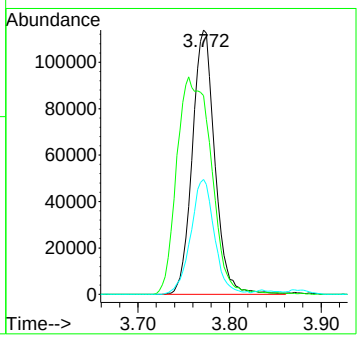


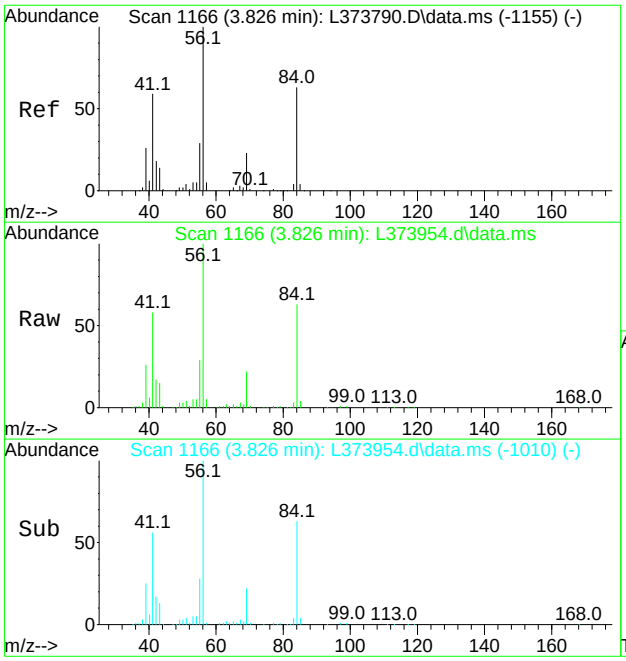


#45
1,1,1-trichloroethane
Concen: 55.0718 ug/L
RT: 3.772 min Scan# 1149
Delta R.T. -0.003 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 97 Resp: 195118

Ion	Ratio	Lower	Upper
97	100		
99	74.7	41.0	101.0
61	43.4	12.9	72.9

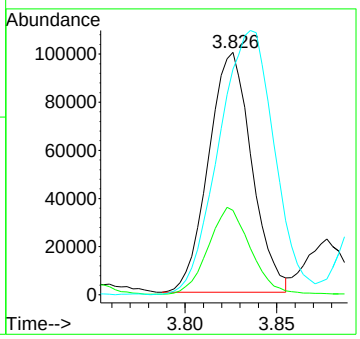


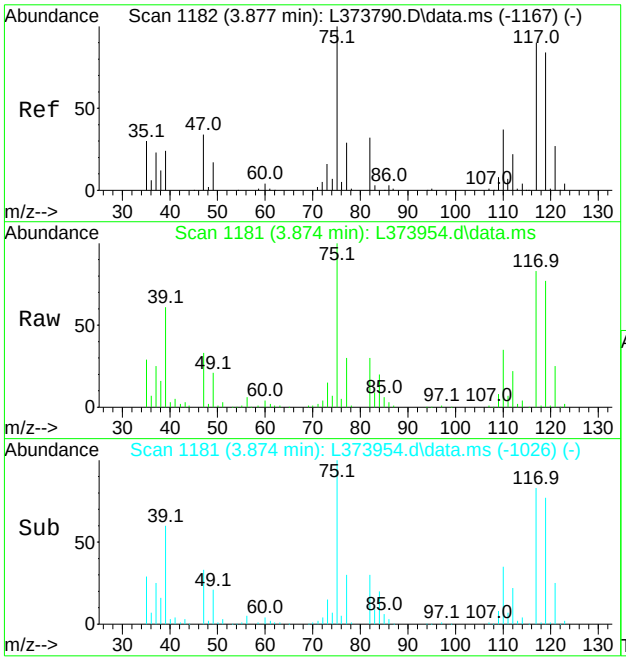


#46
cyclohexane
Concen: 55.8333 ug/L
RT: 3.826 min Scan# 1166
Delta R.T. 0.000 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 84 Resp: 164377

Ion	Ratio	Lower	Upper
84	100		
69	34.9	16.2	56.2
41	93.8	73.6	113.6

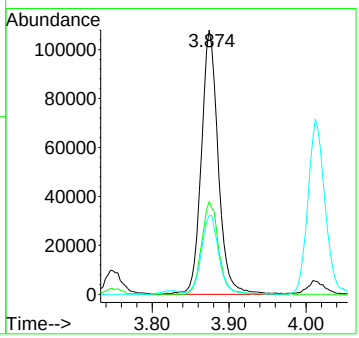


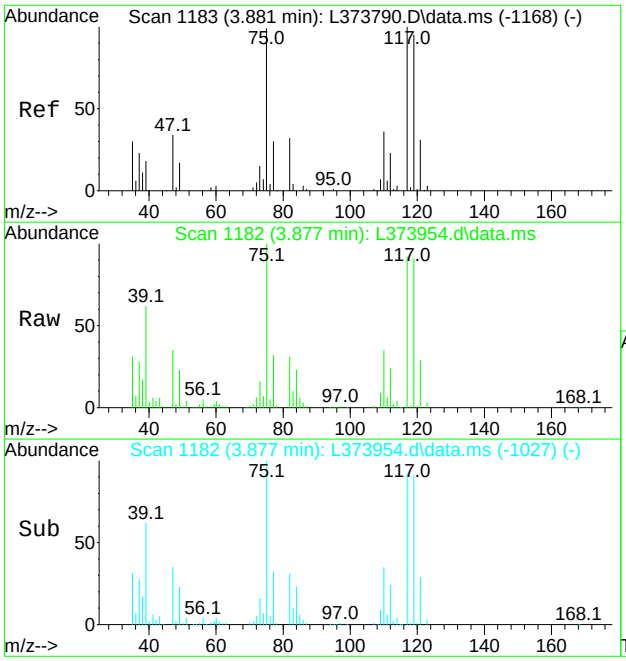


#47
1,1-dichloropropene
Concen: 57.5477 ug/L
RT: 3.874 min Scan# 1181
Delta R.T. -0.003 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 75 Resp: 165348

Ion	Ratio	Lower	Upper
75	100		
110	35.1	17.0	57.0
77	29.6	10.2	50.2

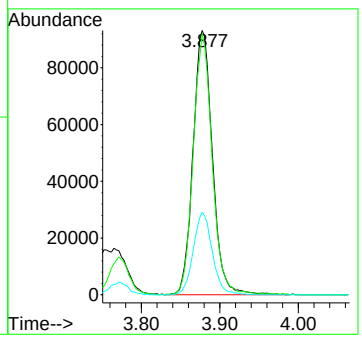


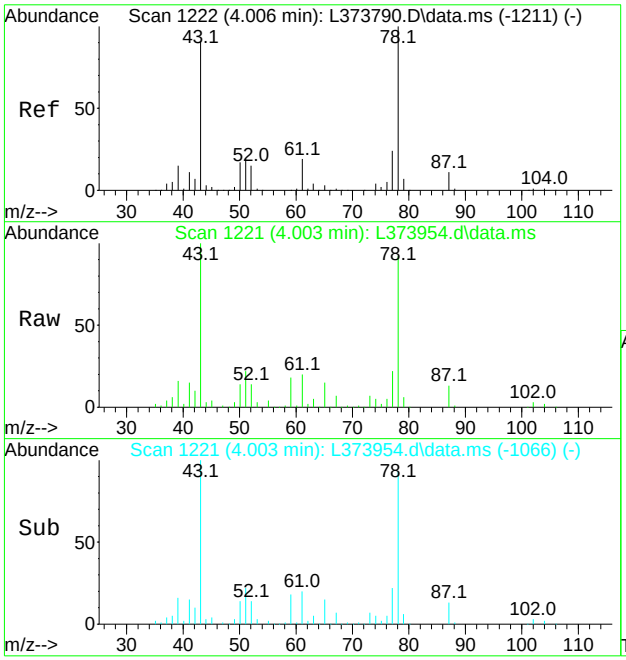


#48
carbon tetrachloride
Concen: 55.4761 ug/L
RT: 3.877 min Scan# 1182
Delta R.T. -0.004 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion:117 Resp: 160216

Ion	Ratio	Lower	Upper
117	100		
119	98.7	74.4	114.4
121	31.3	10.8	50.8

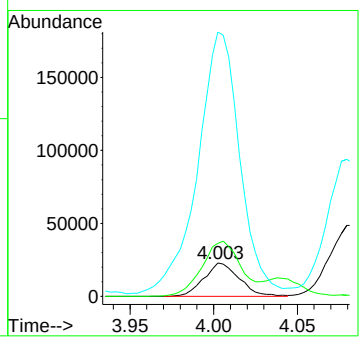


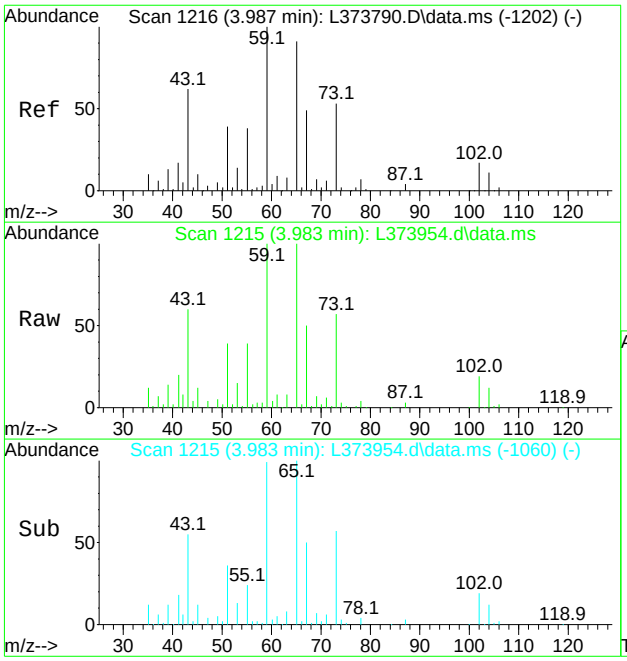


#49
isopropyl acetate
Concen: 52.6320 ug/L
RT: 4.003 min Scan# 1221
Delta R.T. -0.003 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 87 Resp: 33734

Ion	Ratio	Lower	Upper
87	100		
61	156.3	152.1	192.1
43	764.9	844.1	904.1#

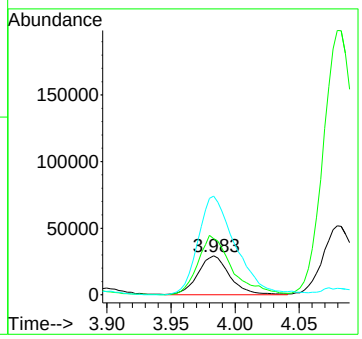


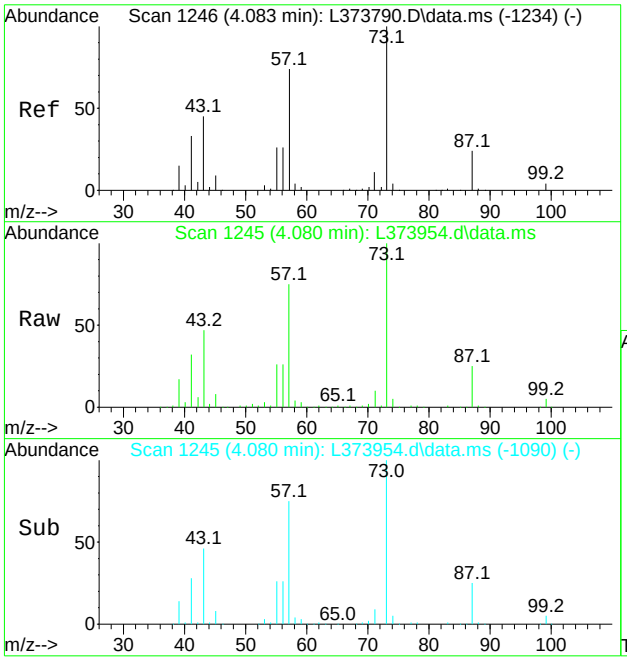


#50
tert amyl alcohol
Concen: 203.2794 ug/L
RT: 3.983 min Scan# 1215
Delta R.T. -0.004 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 55 Resp: 51006

Ion	Ratio	Lower	Upper
55	100		
73	145.5	119.2	159.2
59	255.8	242.0	282.0

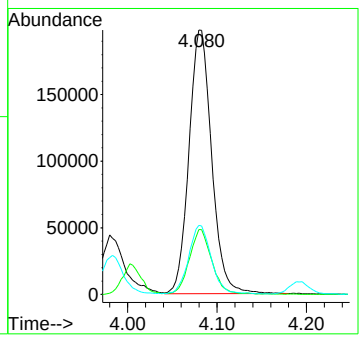


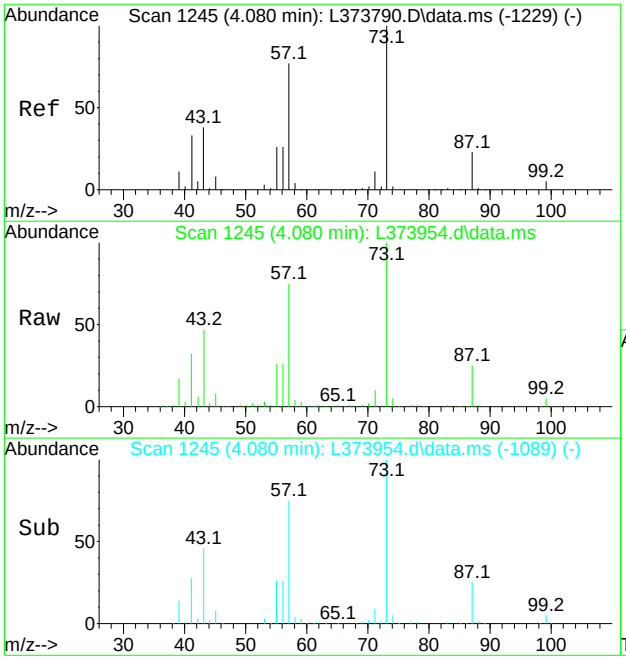


#53
tert-amyl methyl ether
Concen: 53.1356 ug/L
RT: 4.080 min Scan# 1245
Delta R.T. -0.003 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 73 Resp: 349914

Ion	Ratio	Lower	Upper
73	100		
87	24.4	4.6	44.6
55	25.8	5.7	45.7

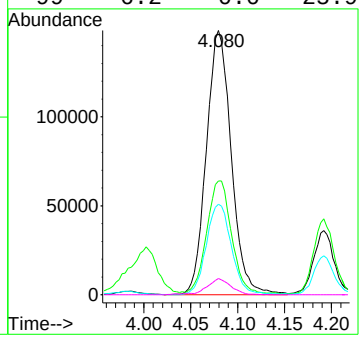


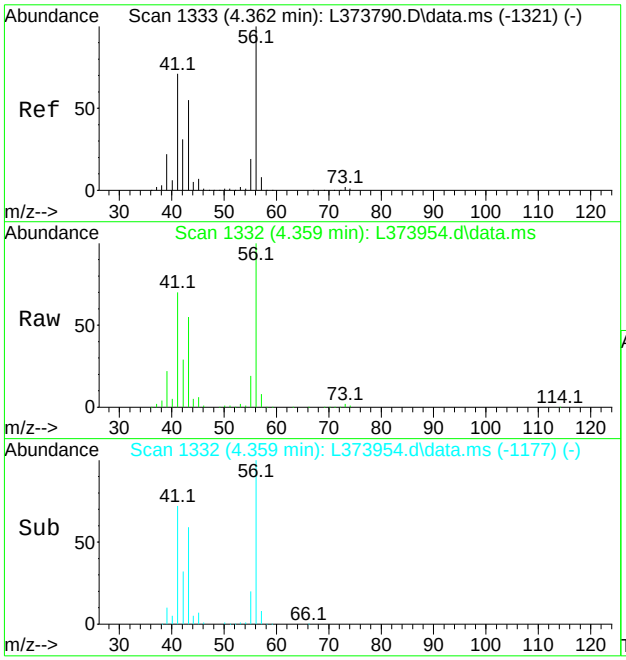


#54
2,2,4-trimethylpentane
Concen: 56.0183 ug/L
RT: 4.080 min Scan# 1245
Delta R.T. -0.000 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 57 Resp: 274549

Ion	Ratio	Lower	Upper
57	100		
41	42.5	25.1	65.1
56	34.1	13.8	53.8
99	6.2	0.0	25.9

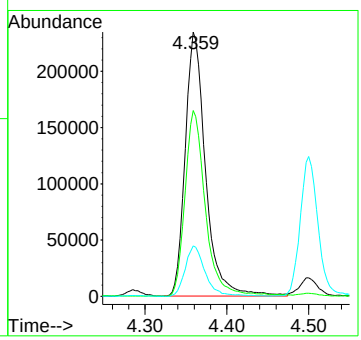


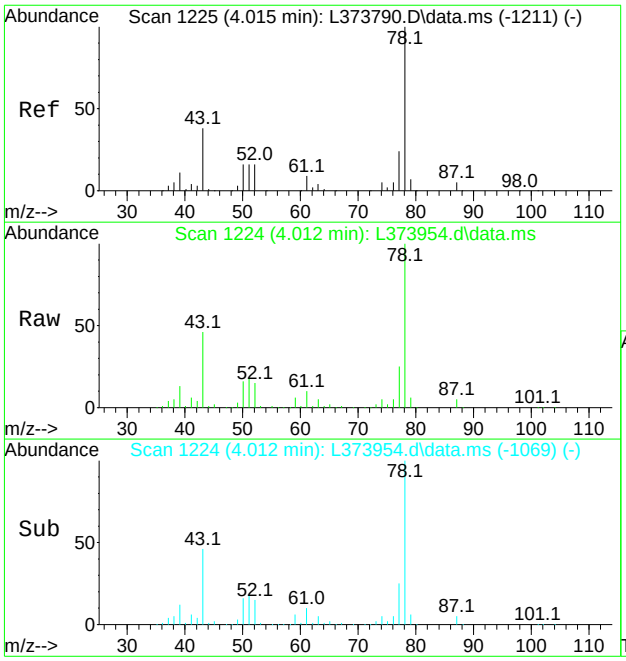


#55
n-butyl alcohol
Concen: 2104.5654 ug/L
RT: 4.359 min Scan# 1332
Delta R.T. -0.003 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 56 Resp: 407325

Ion	Ratio	Lower	Upper
56	100		
41	70.2	40.6	100.6
55	19.1	0.0	49.1

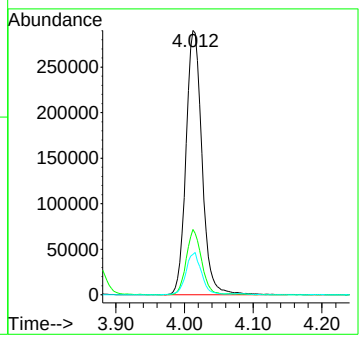


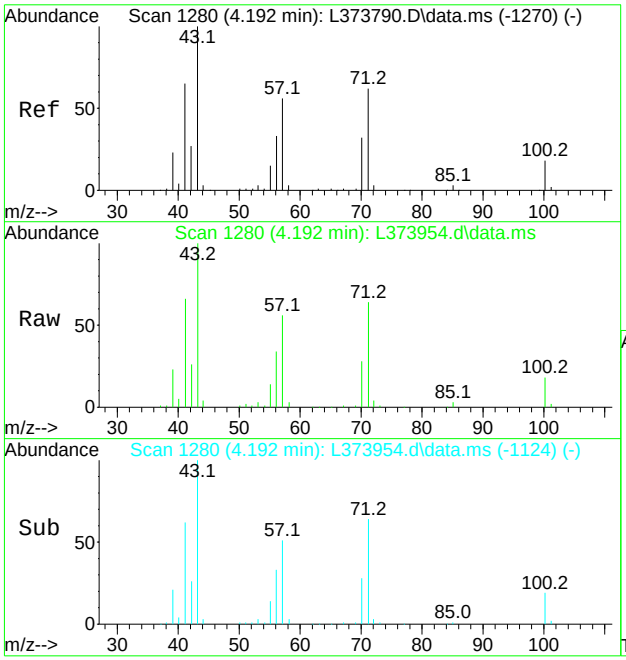


#56
benzene
Concen: 53.3216 ug/L
RT: 4.012 min Scan# 1224
Delta R.T. -0.003 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 78 Resp: 469416

Ion	Ratio	Lower	Upper
78	100		
77	24.7	0.0	53.5
52	15.3	0.0	46.2

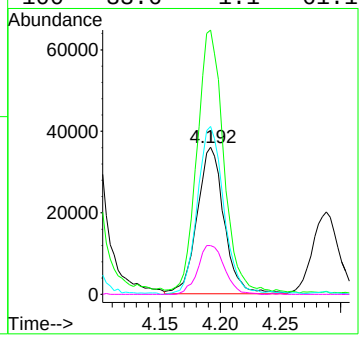


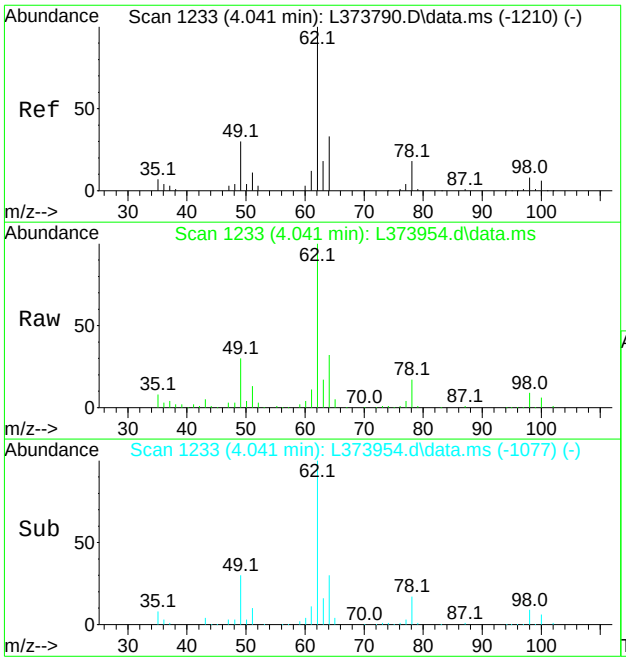


#57
heptane
Concen: 53.9051 ug/L
RT: 4.192 min Scan# 1280
Delta R.T. -0.000 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 57 Resp: 56007

Ion	Ratio	Lower	Upper
57	100		
43	179.9	146.8	206.8
71	115.5	78.5	138.5
100	33.6	1.1	61.1

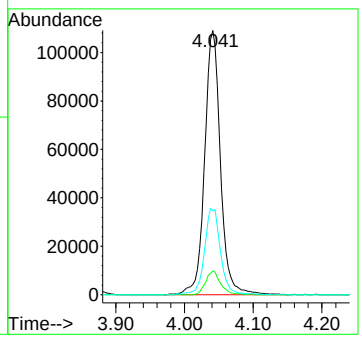


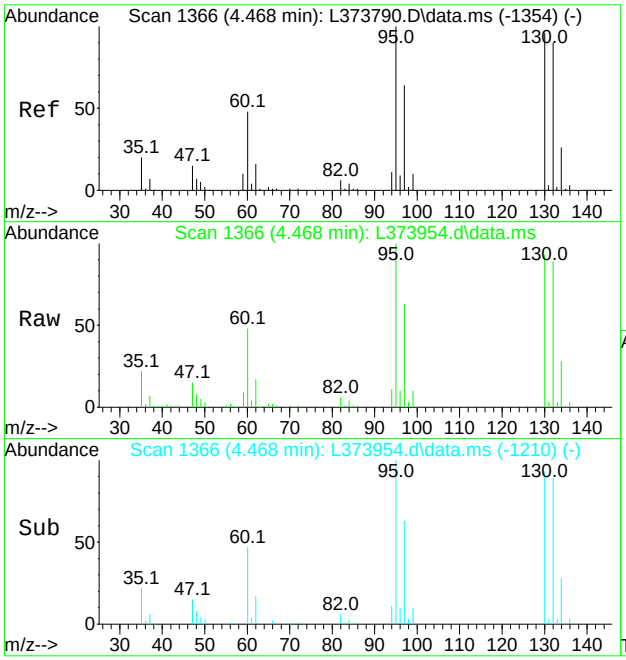


#58
1,2-dichloroethane
Concen: 52.1400 ug/L
RT: 4.041 min Scan# 1233
Delta R.T. 0.000 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 62 Resp: 174727

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	38.1
64	31.7	2.8	62.8

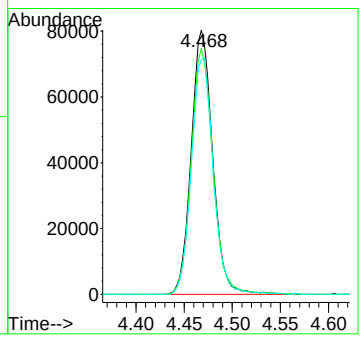


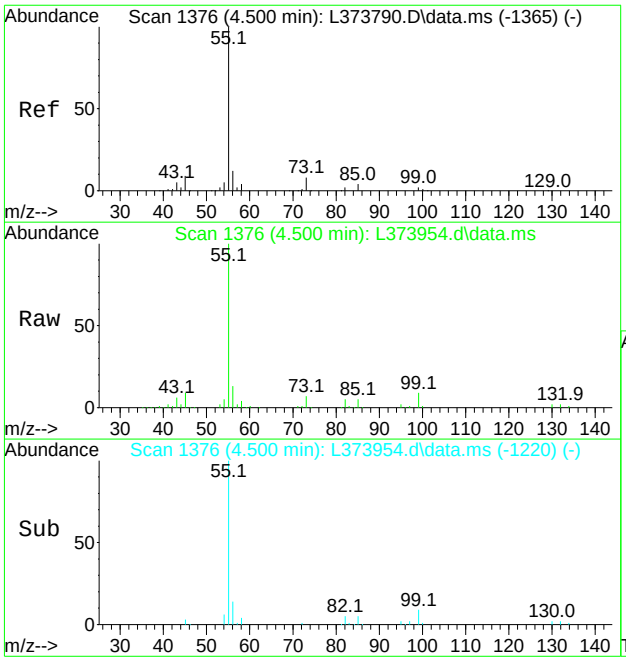


#59
trichloroethene
Concen: 56.4446 ug/L
RT: 4.468 min Scan# 1366
Delta R.T. -0.000 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 95 Resp: 125106

Ion	Ratio	Lower	Upper
95	100		
130	93.0	65.5	125.5
132	88.8	59.7	119.7

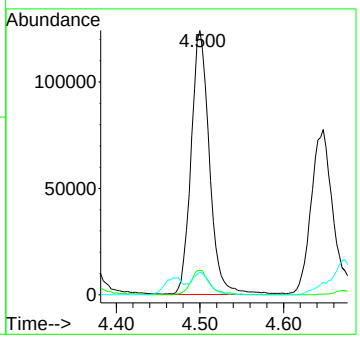


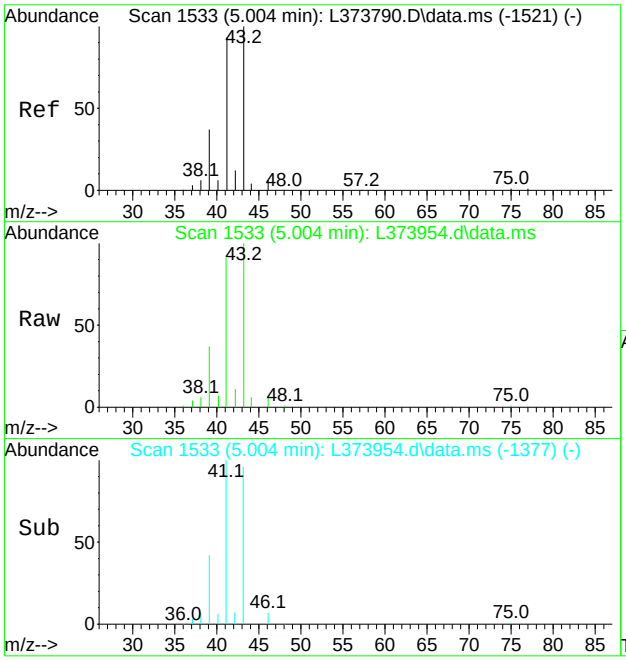


#60
ethyl acrylate
Concen: 47.6675 ug/L
RT: 4.500 min Scan# 1376
Delta R.T. -0.000 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 55 Resp: 189085

Ion	Ratio	Lower	Upper
55	100		
45	9.2	0.0	28.6
99	8.6	0.0	27.8

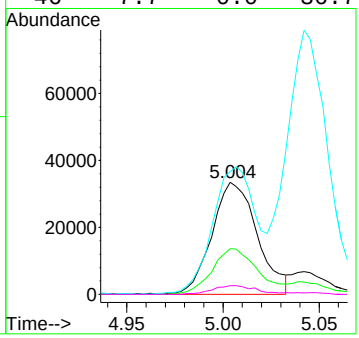


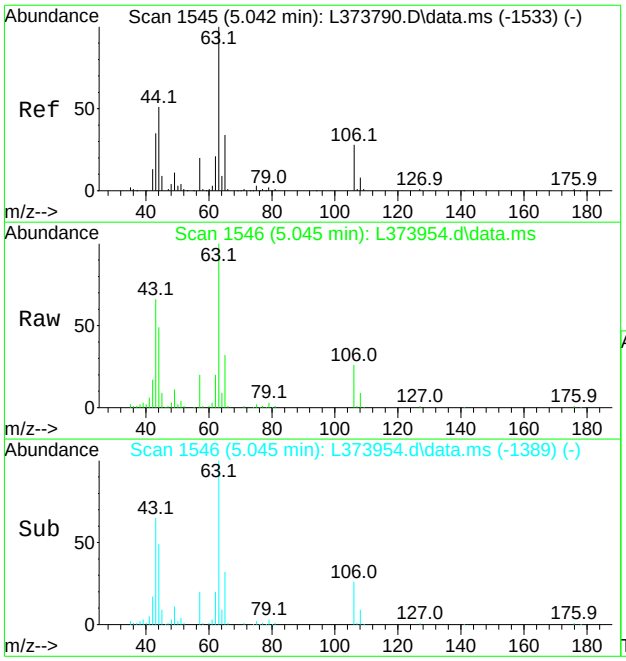


#61
2-nitropropane
Concen: 46.7496 ug/L
RT: 5.004 min Scan# 1533
Delta R.T. -0.000 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 41 Resp: 55025

Ion	Ratio	Lower	Upper
41	100		
39	40.7	10.0	70.0
43	108.6	77.9	137.9
46	7.7	0.0	36.7

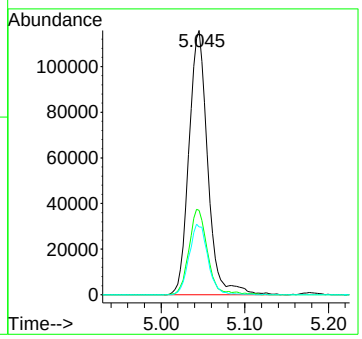


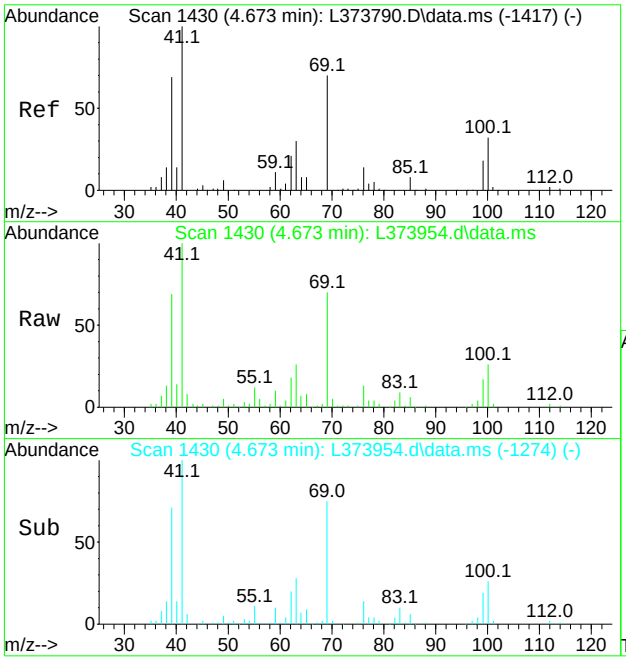


#62
2-chloroethyl vinyl ether
Concen: 237.5831 ug/L
RT: 5.045 min Scan# 1546
Delta R.T. 0.003 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 63 Resp: 181078

Ion	Ratio	Lower	Upper
63	100		
65	31.9	3.9	63.9
106	25.7	0.0	57.6

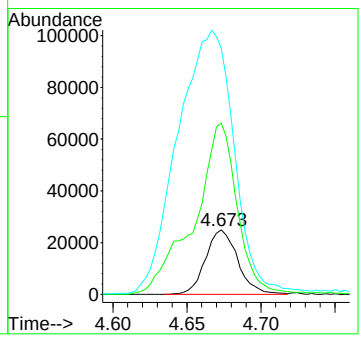


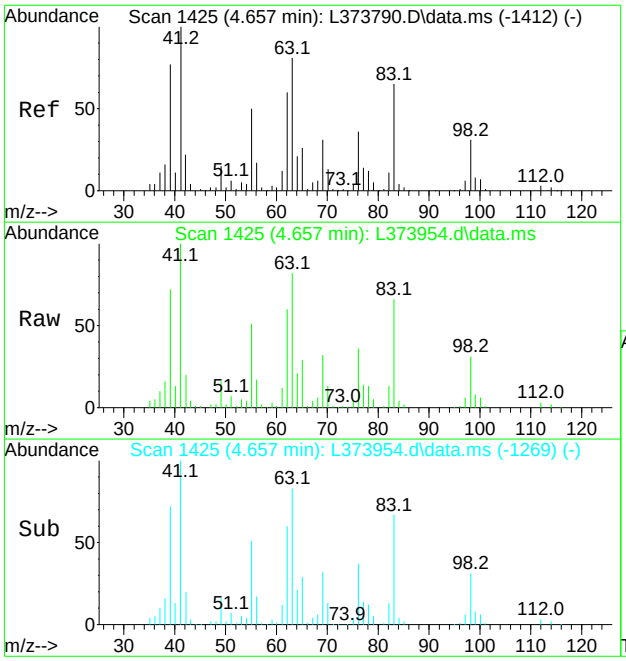


#63
methyl methacrylate
Concen: 51.4047 ug/L
RT: 4.673 min Scan# 1430
Delta R.T. 0.000 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion:100 Resp: 37769

Ion	Ratio	Lower	Upper
100	100		
69	260.3	221.2	281.2
41	371.4	360.4	420.4

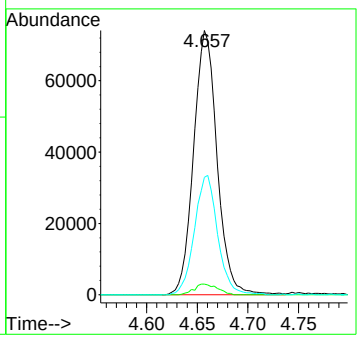


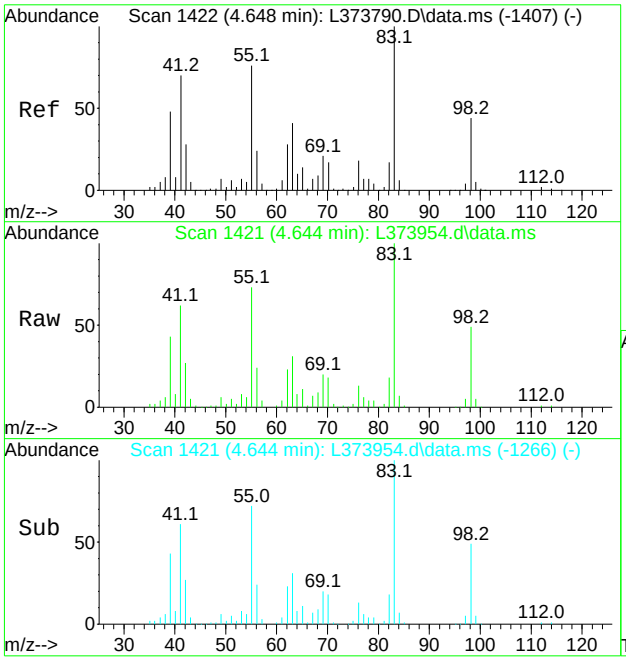


#64
1,2-dichloropropane
Concen: 53.2927 ug/L
RT: 4.657 min Scan# 1425
Delta R.T. 0.000 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 63 Resp: 119757

Ion	Ratio	Lower	Upper
63	100		
112	4.0	0.0	34.1
76	44.5	14.3	74.3

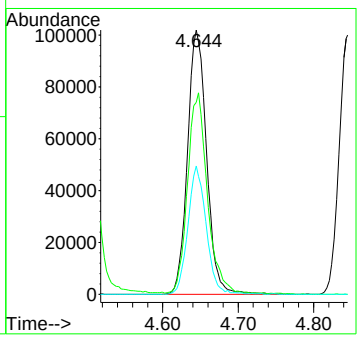


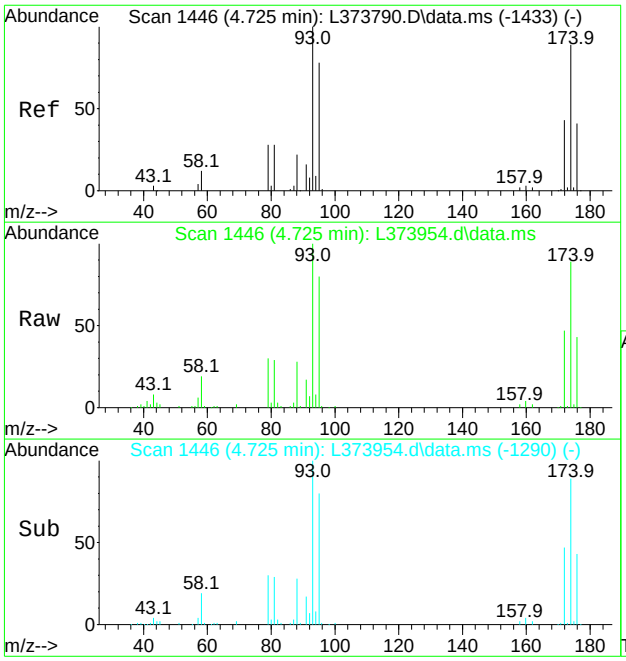


#65
methylcyclohexane
Concen: 58.9403 ug/L
RT: 4.644 min Scan# 1421
Delta R.T. -0.004 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 83 Resp: 179083

Ion	Ratio	Lower	Upper
83	100		
55	72.4	46.3	106.3
98	48.6	13.7	73.7

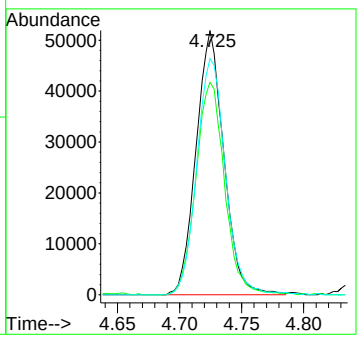


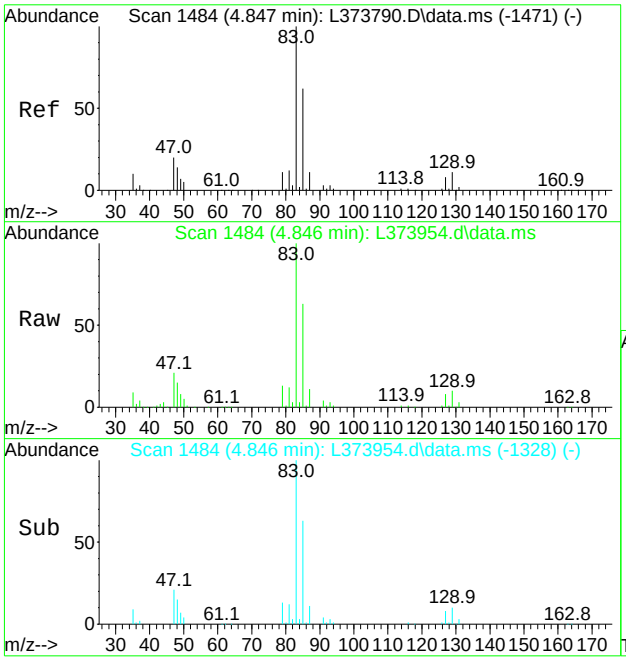


#66
dibromomethane
Concen: 52.1489 ug/L
RT: 4.725 min Scan# 1446
Delta R.T. -0.000 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 93 Resp: 80737

Ion	Ratio	Lower	Upper
93	100		
95	80.5	48.3	108.3
174	89.4	59.2	119.2

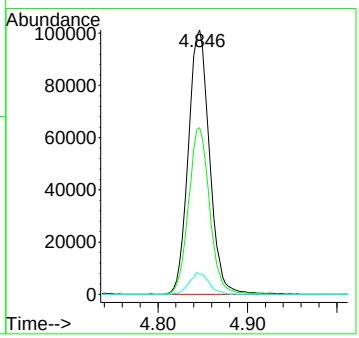


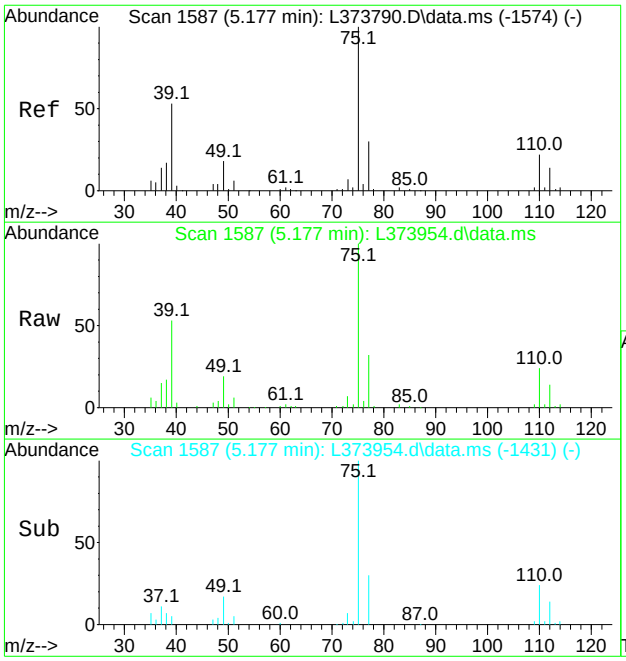


#67
bromodichloromethane
Concen: 51.9823 ug/L
RT: 4.846 min Scan# 1484
Delta R.T. -0.001 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 83 Resp: 166703

Ion	Ratio	Lower	Upper
83	100		
85	63.1	31.5	91.5
127	7.6	0.0	38.3

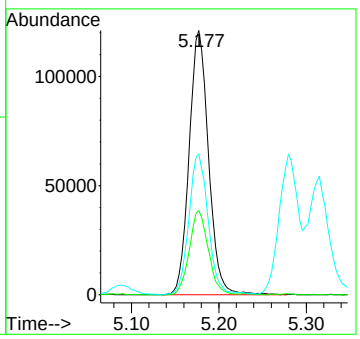


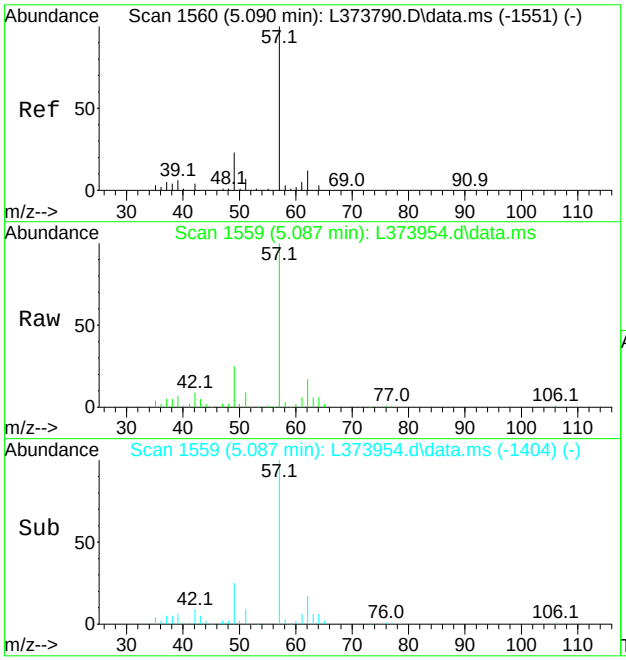


#68
cis-1,3-dichloropropene
Concen: 52.0777 ug/L
RT: 5.177 min Scan# 1587
Delta R.T. 0.000 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 75 Resp: 187211

Ion	Ratio	Lower	Upper
75	100		
77	31.9	0.1	60.1
39	53.3	23.1	83.1

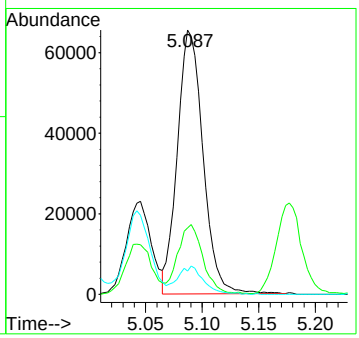


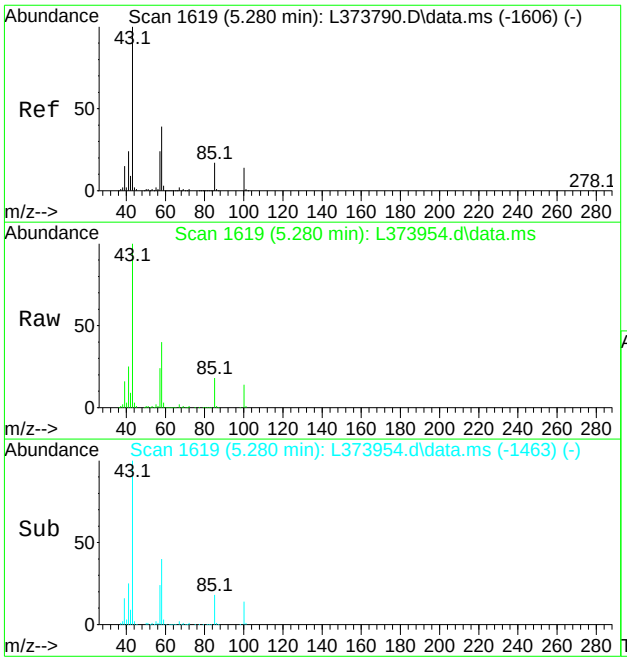


#69
epichlorohydrin
Concen: 226.3971 ug/L
RT: 5.087 min Scan# 1559
Delta R.T. -0.003 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 57 Resp: 103748

Ion	Ratio	Lower	Upper
57	100		
49	20.8	1.0	41.0
42	8.9	0.0	29.5

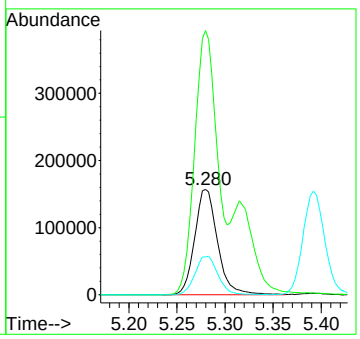


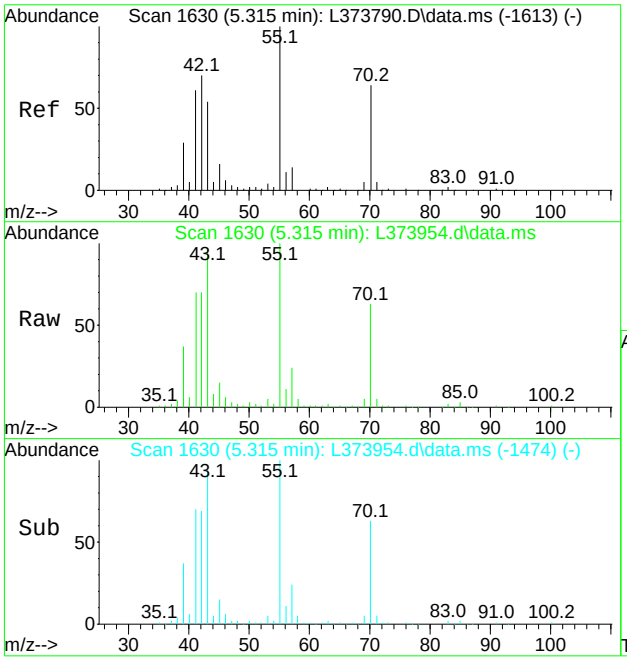


#70
4-methyl-2-pentanone
Concen: 184.2474 ug/L
RT: 5.280 min Scan# 1619
Delta R.T. -0.000 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 58 Resp: 260297

Ion	Ratio	Lower	Upper
58	100		
43	250.8	233.3	273.3
100	35.8	15.2	55.2

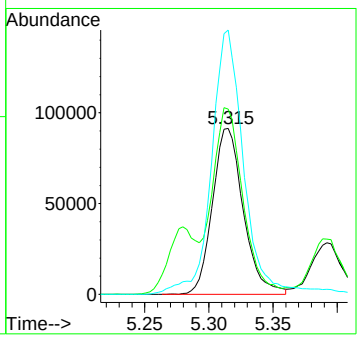


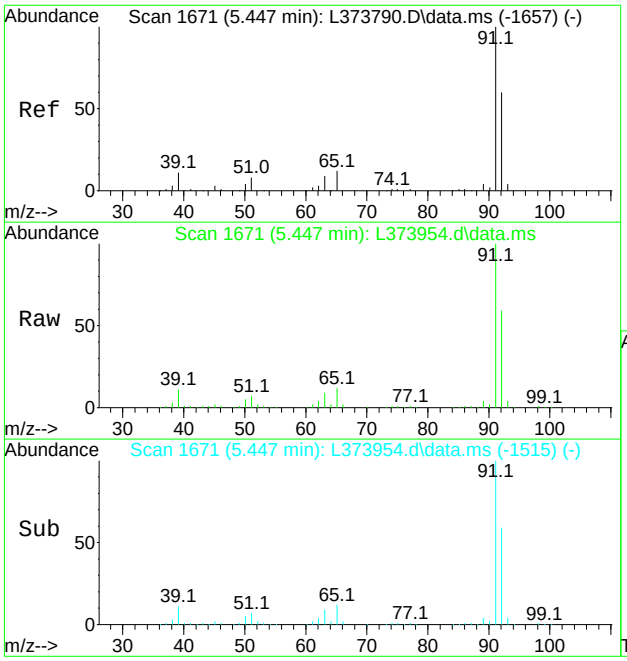


#71
3-methyl-1-butanol
Concen: 848.2779 ug/L
RT: 5.315 min Scan# 1630
Delta R.T. -0.000 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 70 Resp: 153401

Ion	Ratio	Lower	Upper
70	100		
42	107.8	94.2	134.2
55	157.5	137.5	177.5

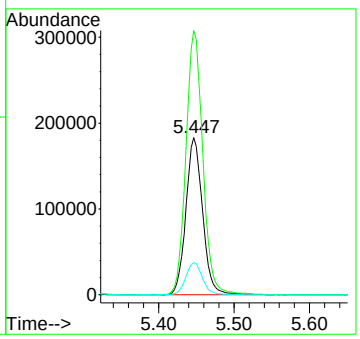


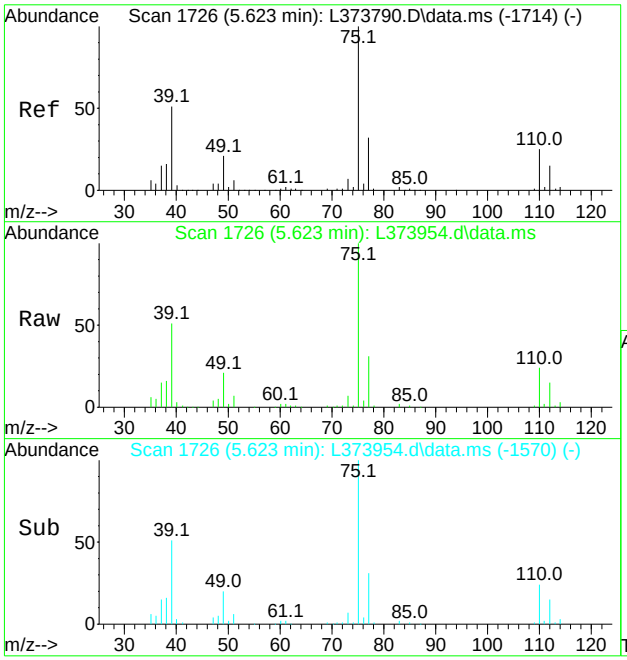


#74
toluene
Concen: 53.5629 ug/L
RT: 5.447 min Scan# 1671
Delta R.T. -0.000 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 92 Resp: 282002

Ion	Ratio	Lower	Upper
92	100		
91	168.2	136.7	196.7
65	20.3	0.0	50.8

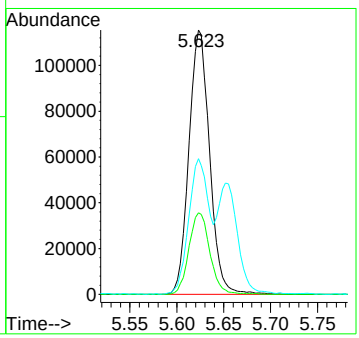


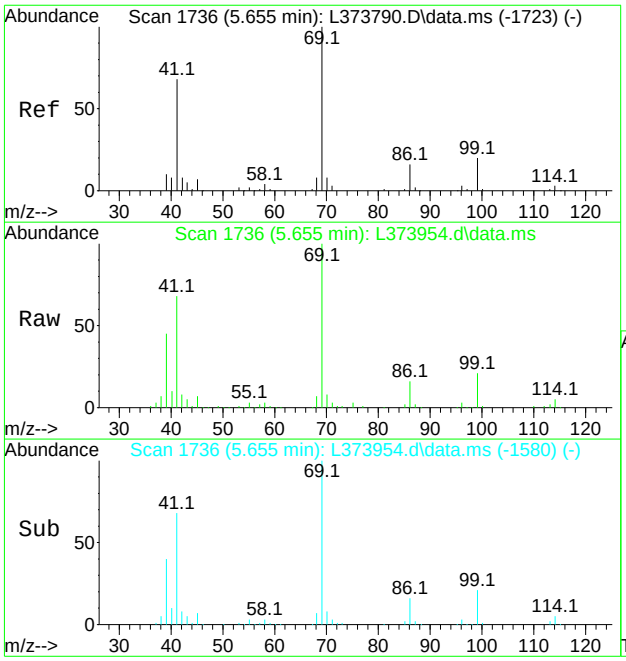


#75
trans-1,3-dichloropropene
Concen: 53.8651 ug/L
RT: 5.623 min Scan# 1726
Delta R.T. 0.000 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 75 Resp: 176818

Ion	Ratio	Lower	Upper
75	100		
77	30.9	1.7	61.7
39	51.1	20.7	80.7

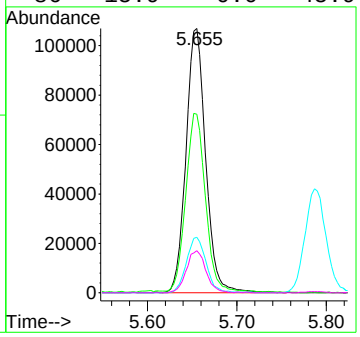


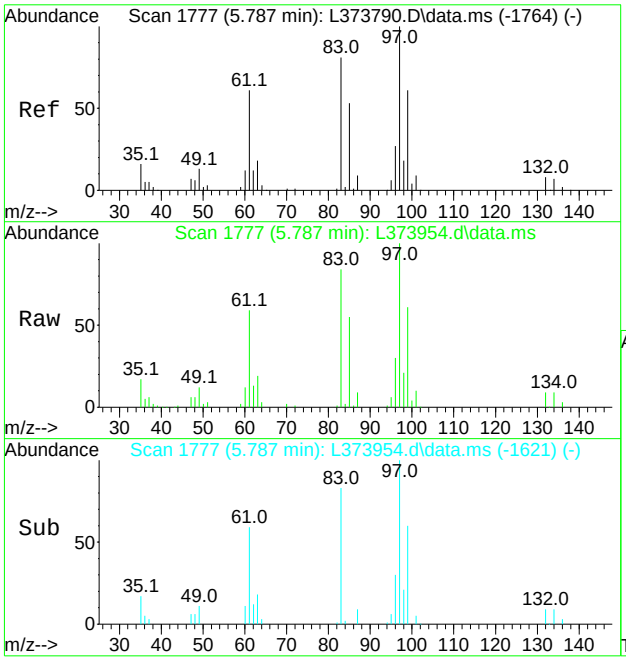


#76
ethyl methacrylate
Concen: 49.2611 ug/L
RT: 5.655 min Scan# 1736
Delta R.T. 0.000 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 69 Resp: 163386

Ion	Ratio	Lower	Upper
69	100		
41	67.2	38.9	98.9
99	21.0	0.0	50.4
86	15.9	0.0	45.9

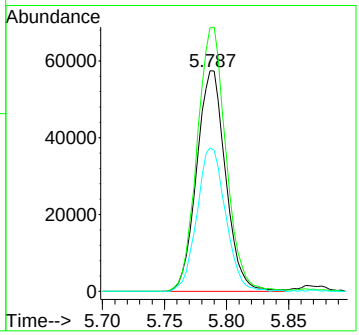


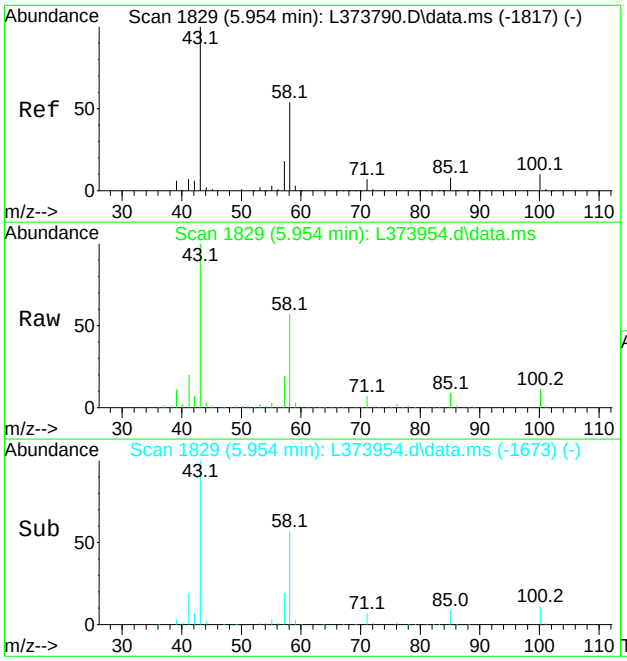


#77
1,1,2-trichloroethane
Concen: 53.3290 ug/L
RT: 5.787 min Scan# 1777
Delta R.T. -0.000 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 83 Resp: 93089

Ion	Ratio	Lower	Upper
83	100		
97	119.5	93.6	153.6
85	65.2	35.4	95.4

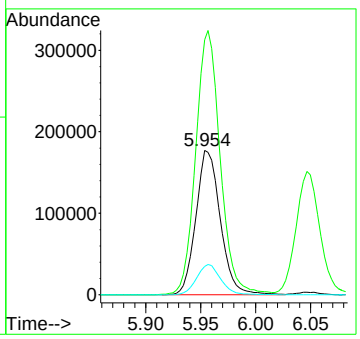


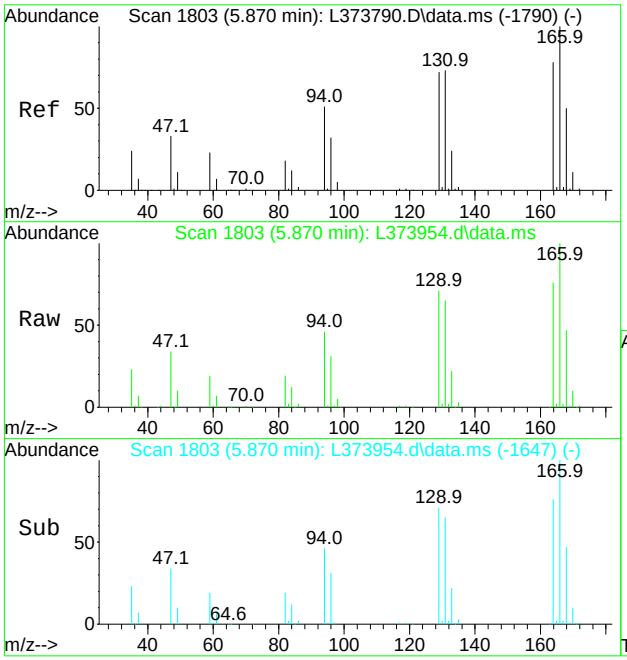


#78
2-hexanone
Concen: 183.4173 ug/L
RT: 5.954 min Scan# 1829
Delta R.T. -0.000 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 58 Resp: 274422

Ion	Ratio	Lower	Upper
58	100		
43	176.3	154.6	214.6
100	19.6	0.0	49.0

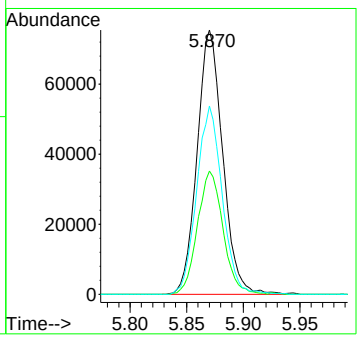


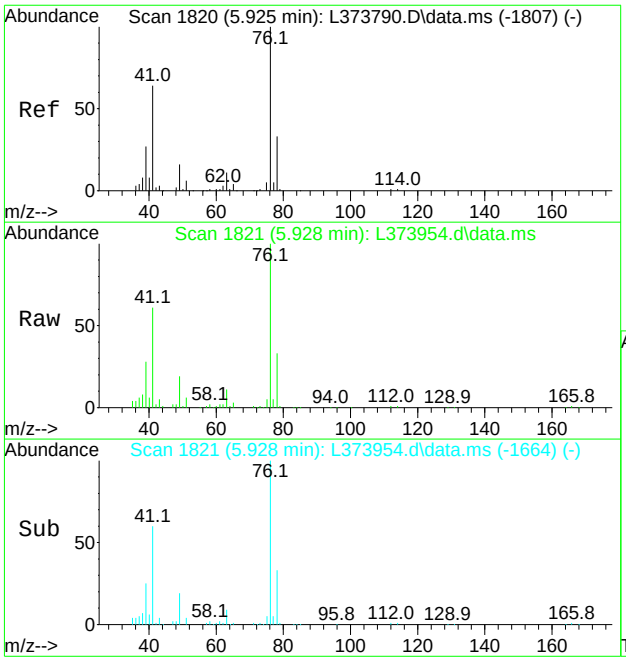


#79
tetrachloroethene
Concen: 56.0545 ug/L
RT: 5.870 min Scan# 1803
Delta R.T. 0.000 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion:166 Resp: 118541

Ion	Ratio	Lower	Upper
166	100		
168	46.6	19.7	79.7
129	71.2	42.4	102.4

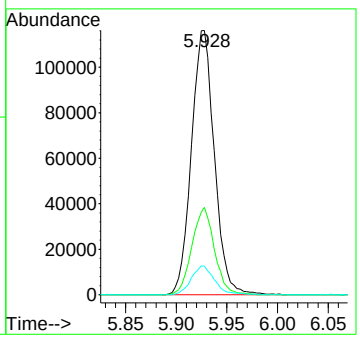


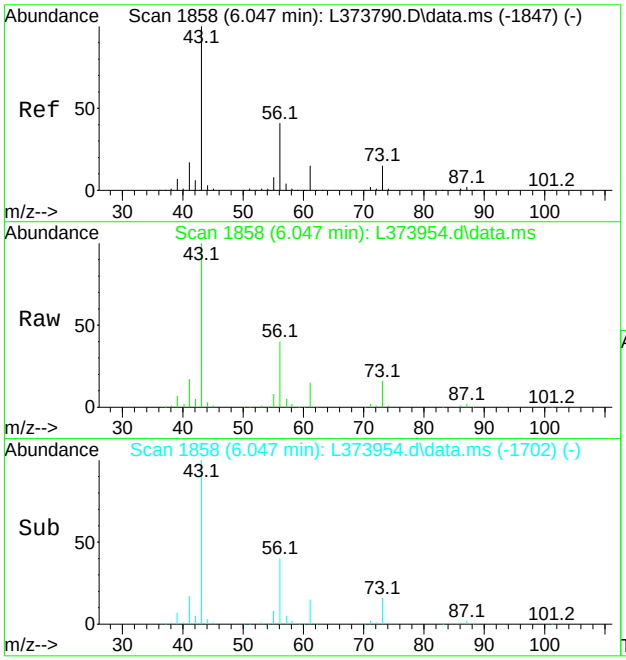


#80
1,3-dichloropropane
Concen: 54.5606 ug/L
RT: 5.928 min Scan# 1821
Delta R.T. 0.003 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 76 Resp: 183546

Ion	Ratio	Lower	Upper
76	100		
78	33.1	2.7	62.7
63	10.9	0.0	41.2

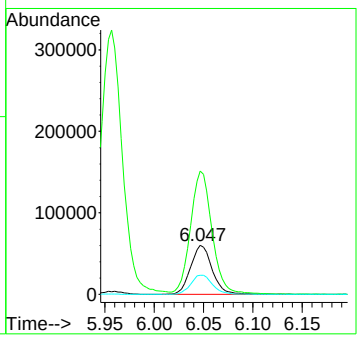


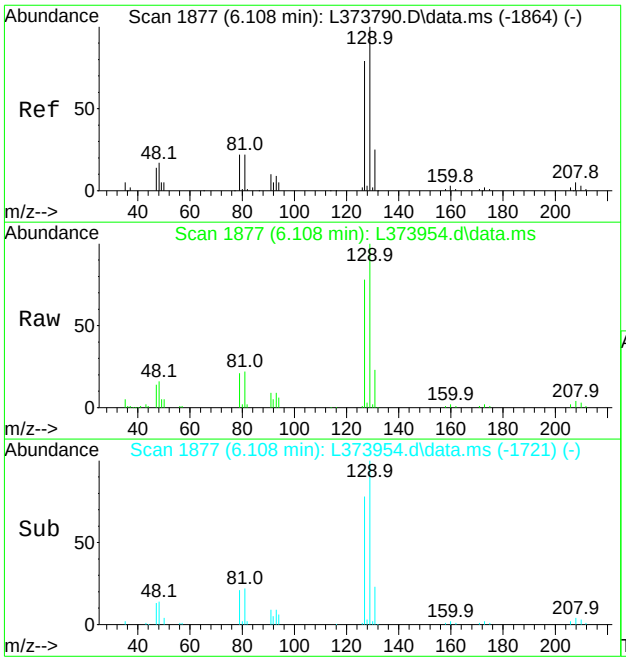


#81
butyl acetate
Concen: 46.5284 ug/L
RT: 6.047 min Scan# 1858
Delta R.T. -0.000 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 56 Resp: 91731

Ion	Ratio	Lower	Upper
56	100		
43	250.4	218.3	278.3
73	39.1	7.2	67.2

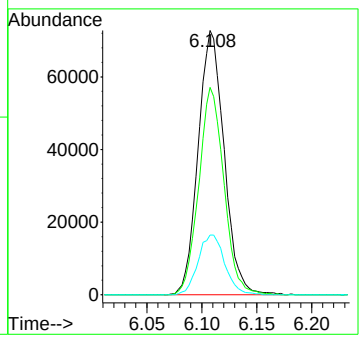


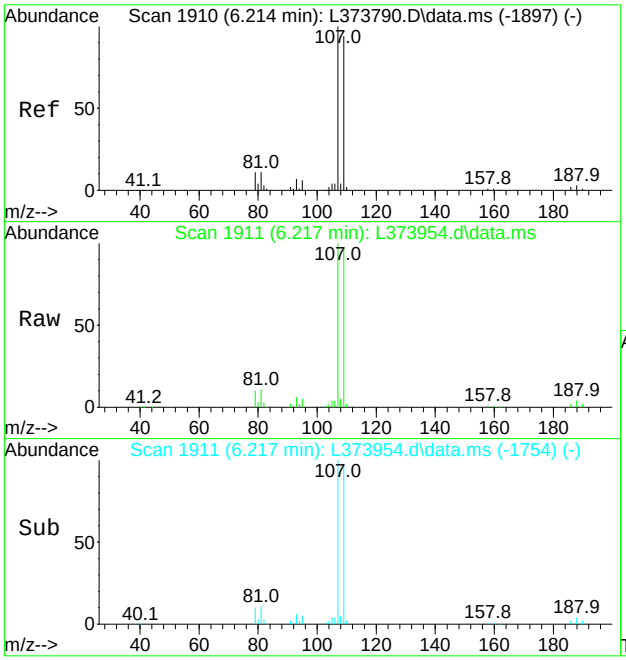


#82
dibromochloromethane
Concen: 53.0516 ug/L
RT: 6.108 min Scan# 1877
Delta R.T. -0.000 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion:129 Resp: 119440

Ion	Ratio	Lower	Upper
129	100		
127	78.4	49.0	109.0
131	22.6	0.0	54.6

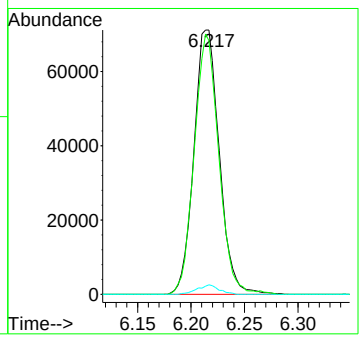


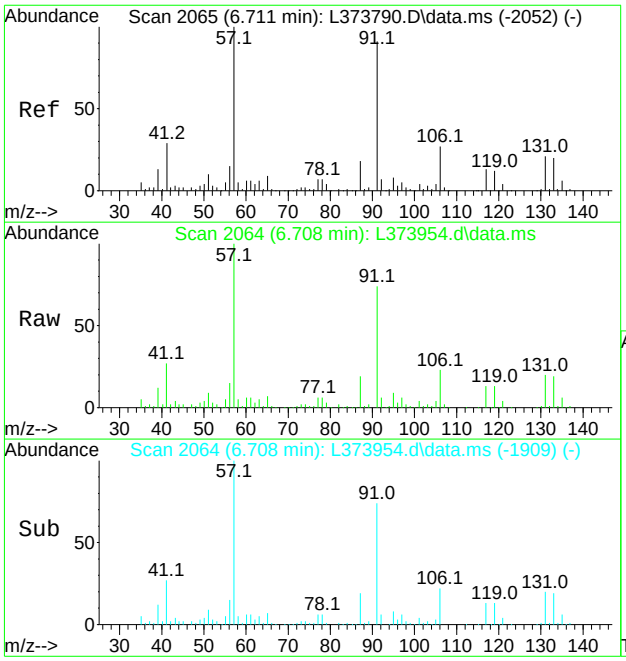


#83
1,2-dibromoethane
Concen: 55.4673 ug/L
RT: 6.217 min Scan# 1911
Delta R.T. 0.003 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion:107 Resp: 117634

Ion	Ratio	Lower	Upper
107	100		
109	96.0	63.9	123.9
188	3.7	0.0	33.4

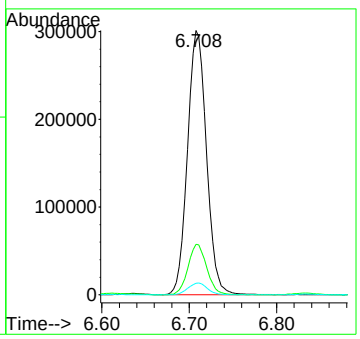


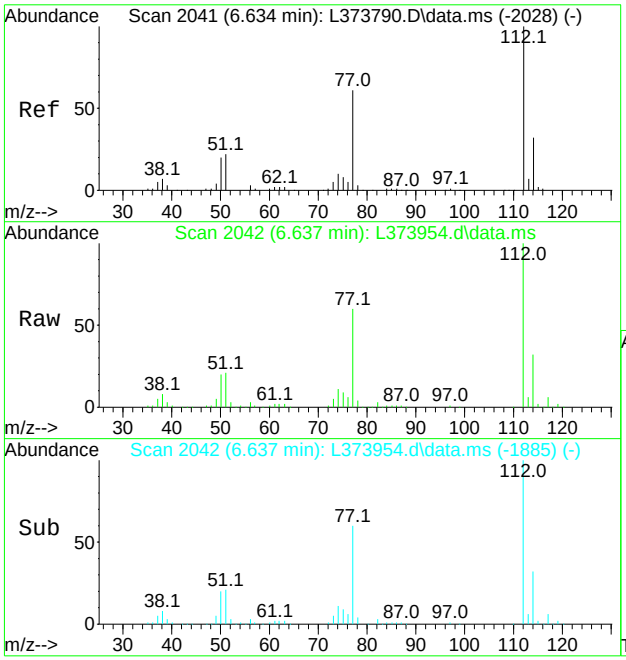


#84
n-butyl ether
Concen: 51.3426 ug/L
RT: 6.708 min Scan# 2064
Delta R.T. -0.003 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 57 Resp: 455027

Ion	Ratio	Lower	Upper
57	100		
87	19.1	0.0	47.8
101	4.3	0.0	34.2

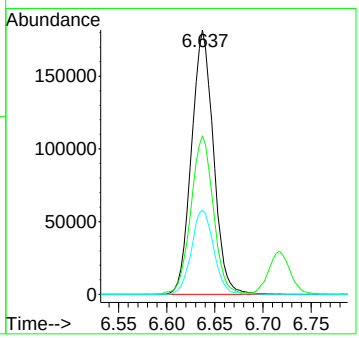


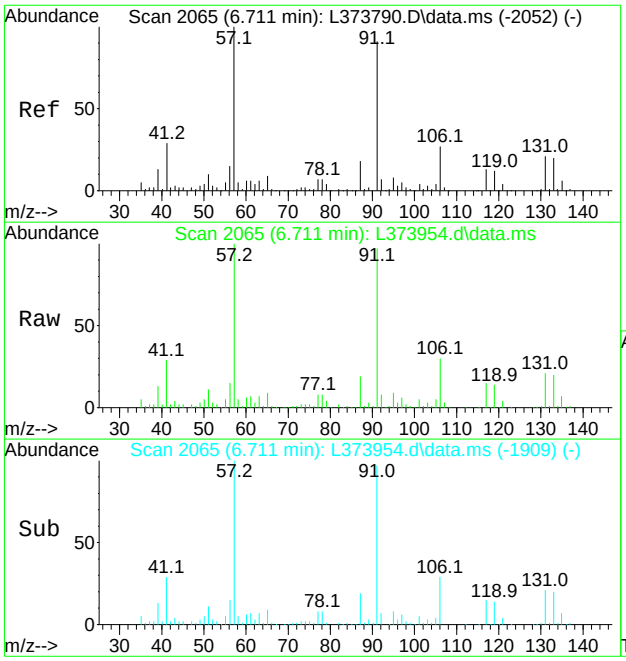


#85
chlorobenzene
Concen: 52.1544 ug/L
RT: 6.637 min Scan# 2042
Delta R.T. 0.003 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion:112 Resp: 288307

Ion	Ratio	Lower	Upper
112	100		
77	59.6	30.8	90.8
114	31.9	2.4	62.4

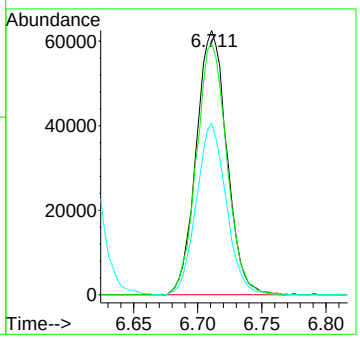


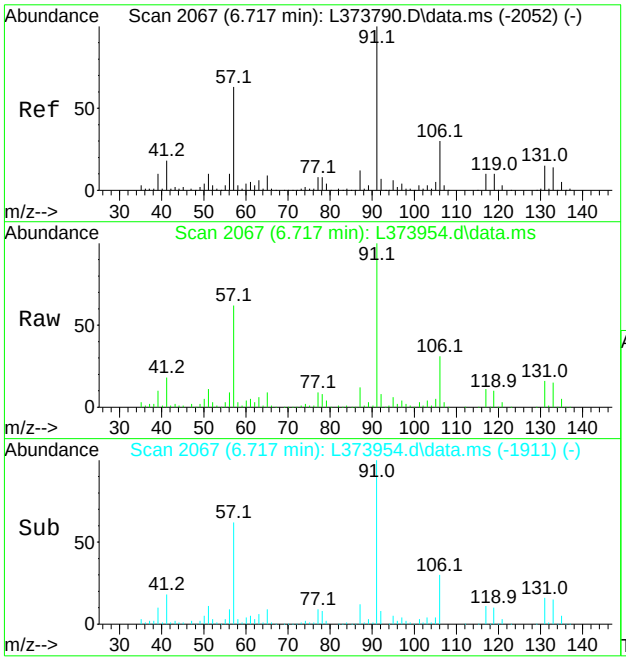


#86
1,1,1,2-tetrachloroethane
Concen: 55.4947 ug/L
RT: 6.711 min Scan# 2065
Delta R.T. -0.000 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion:131 Resp: 103812

Ion	Ratio	Lower	Upper
131	100		
133	95.0	65.1	125.1
119	64.9	30.8	90.8

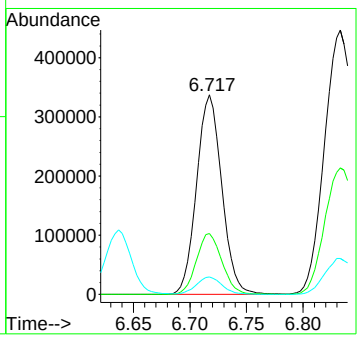


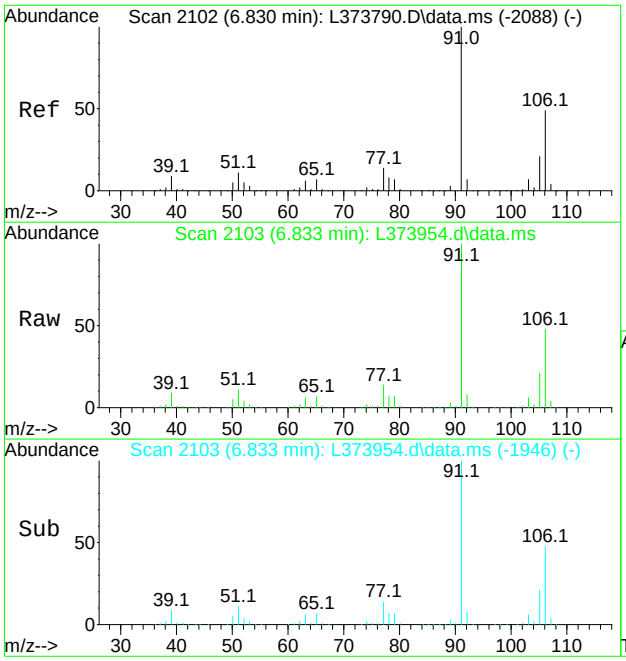


#87
ethylbenzene
Concen: 54.1451 ug/L
RT: 6.717 min Scan# 2067
Delta R.T. 0.000 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 91 Resp: 522206

Ion	Ratio	Lower	Upper
91	100		
106	30.6	0.1	60.1
77	8.8	0.0	38.6

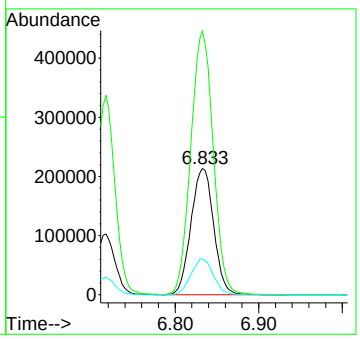


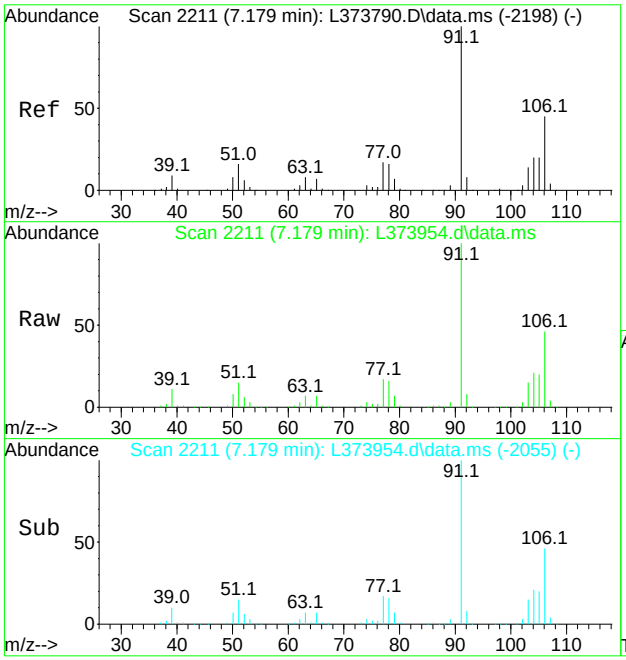


#88
m,p-xylene
Concen: 108.4584 ug/L
RT: 6.833 min Scan# 2103
Delta R.T. 0.003 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion:106 Resp: 402850

Ion	Ratio	Lower	Upper
106	100		
91	209.1	175.7	235.7
77	28.3	8.1	48.1

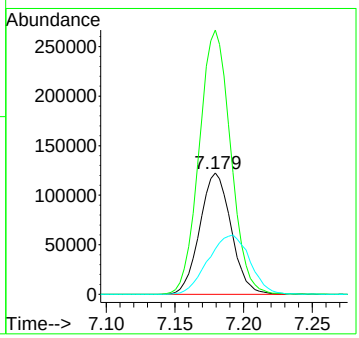


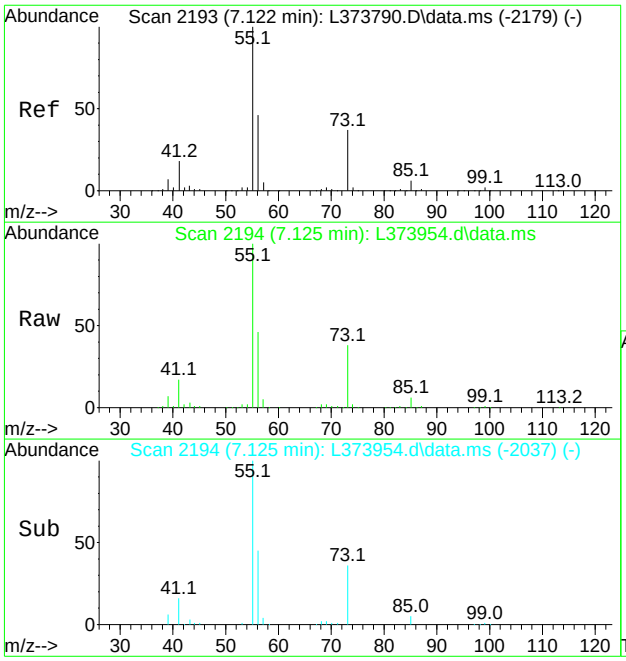


#89
o-xylene
Concen: 53.5228 ug/L
RT: 7.179 min Scan# 2211
Delta R.T. 0.000 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion:106 Resp: 194389

Ion	Ratio	Lower	Upper
106	100		
91	217.3	194.5	254.5
77	37.4	18.1	58.1

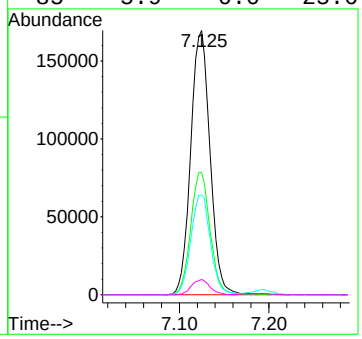


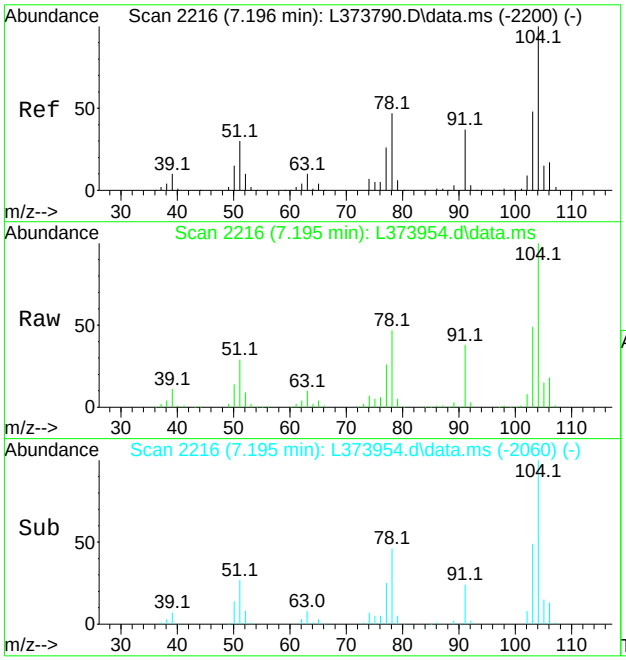


#90
butyl acrylate
Concen: 47.9004 ug/L
RT: 7.125 min Scan# 2194
Delta R.T. 0.003 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 55 Resp: 254471

Ion	Ratio	Lower	Upper
55	100		
56	46.2	26.3	66.3
73	37.7	17.5	57.5
85	5.9	0.0	25.6

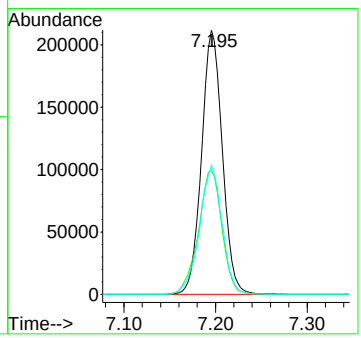


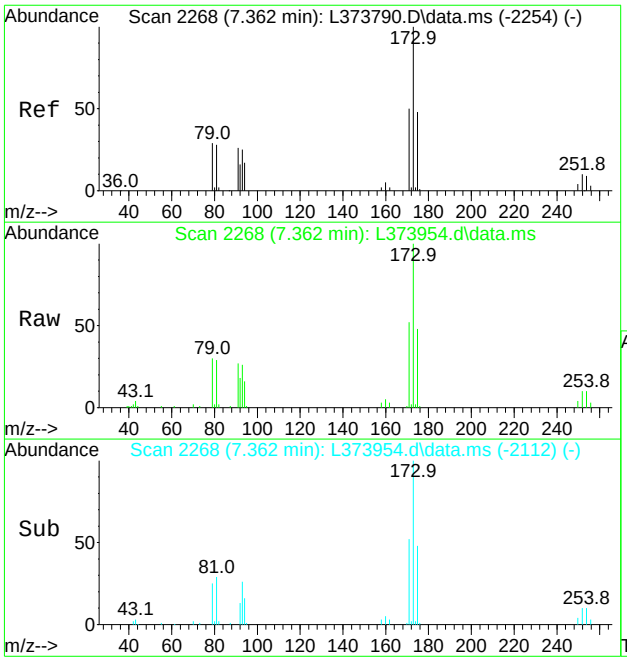


#91
styrene
Concen: 54.7683 ug/L
RT: 7.195 min Scan# 2216
Delta R.T. -0.001 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion:104 Resp: 333525

Ion	Ratio	Lower	Upper
104	100		
78	46.9	16.8	76.8
103	49.1	17.7	77.7

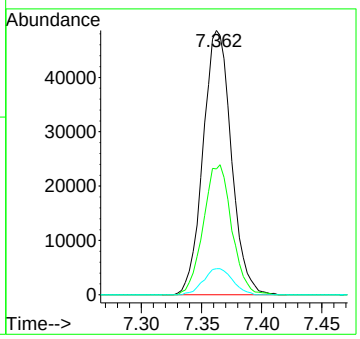


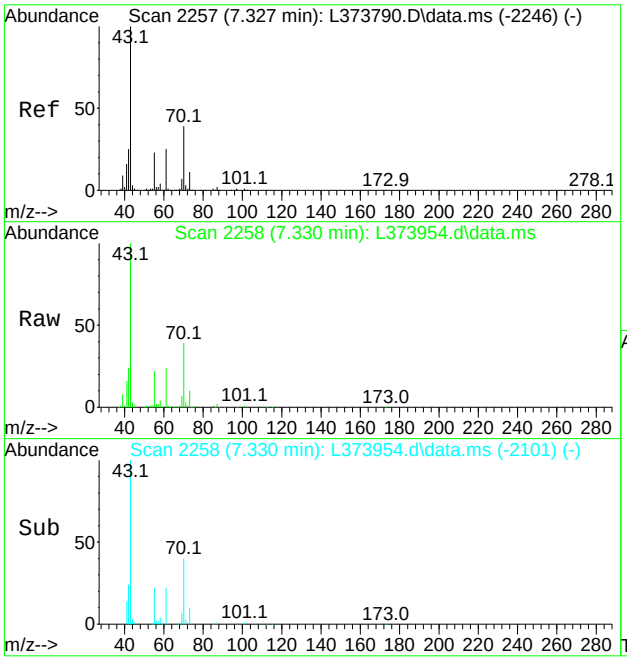


#92
bromoform
Concen: 49.5680 ug/L
RT: 7.362 min Scan# 2268
Delta R.T. 0.000 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion:173 Resp: 79310

Ion	Ratio	Lower	Upper
173	100		
175	47.6	17.8	77.8
254	9.9	0.0	39.4

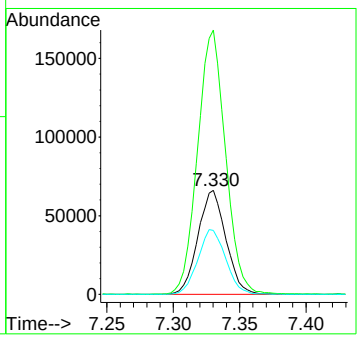


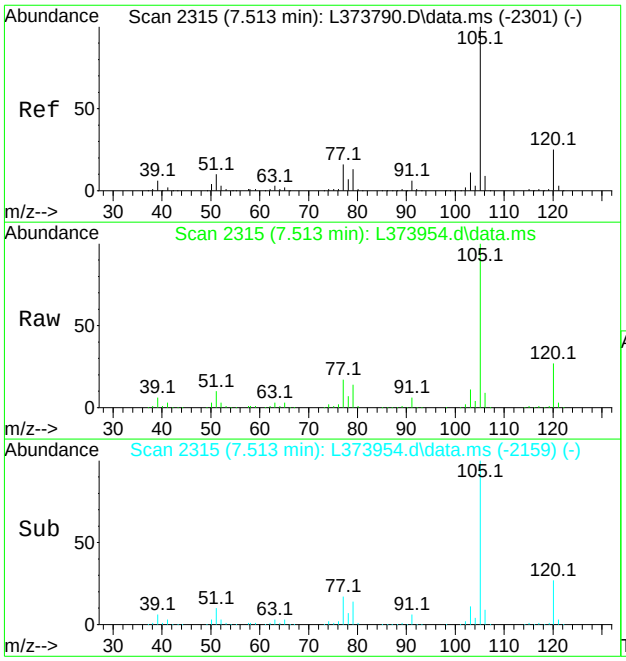


#93
n-amyl acetate
Concen: 48.7209 ug/L
RT: 7.330 min Scan# 2258
Delta R.T. 0.003 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 70 Resp: 96864

Ion	Ratio	Lower	Upper
70	100		
43	253.7	233.4	273.4
61	61.5	42.6	82.6

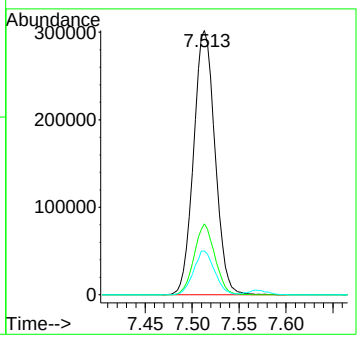


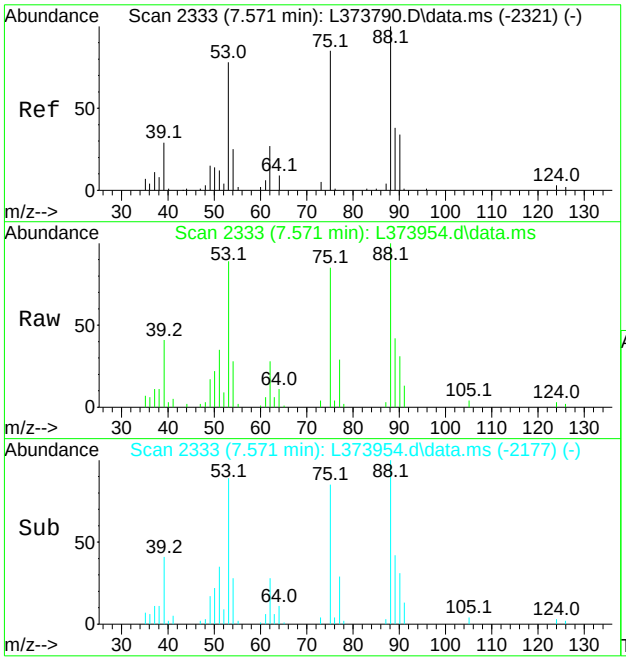


#94
isopropylbenzene
Concen: 54.6276 ug/L
RT: 7.513 min Scan# 2315
Delta R.T. 0.000 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion:105 Resp: 478867

Ion	Ratio	Lower	Upper
105	100		
120	26.8	5.2	45.2
77	16.6	0.0	36.2

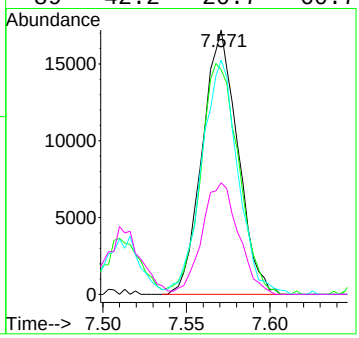


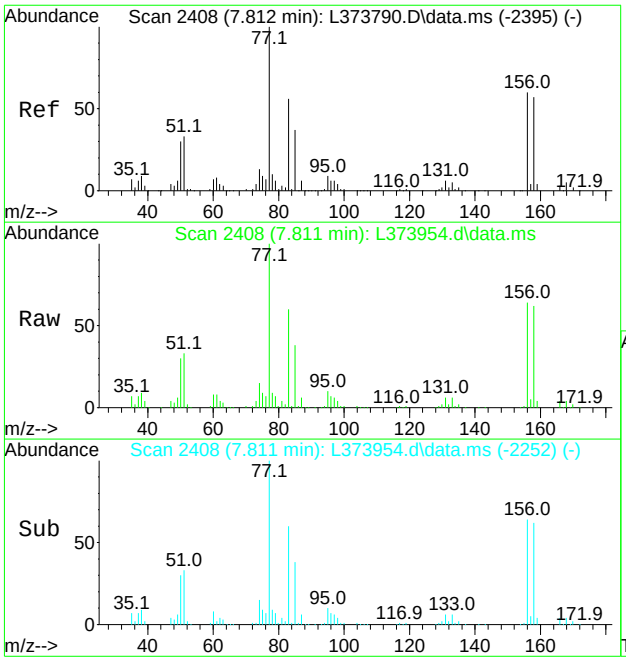


#95
cis-1,4-dichloro-2-butene
Concen: 33.9952 ug/L
RT: 7.571 min Scan# 2333
Delta R.T. -0.000 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 88 Resp: 25369

Ion	Ratio	Lower	Upper
88	100		
75	85.0	66.5	106.5
53	87.2	59.7	99.7
89	42.2	20.7	60.7

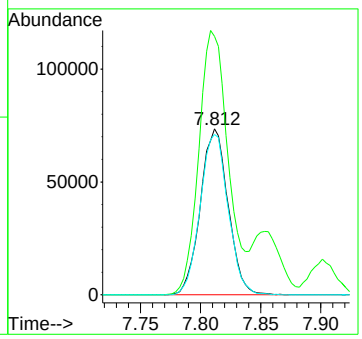


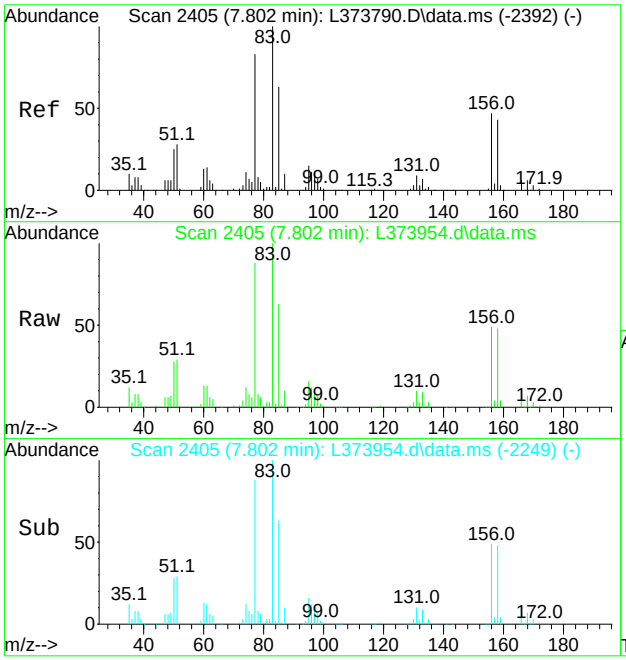


#98
bromobenzene
Concen: 51.2828 ug/L
RT: 7.811 min Scan# 2408
Delta R.T. -0.001 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion:156 Resp: 117756

Ion	Ratio	Lower	Upper
156	100		
77	155.7	137.0	197.0
158	96.6	65.5	125.5

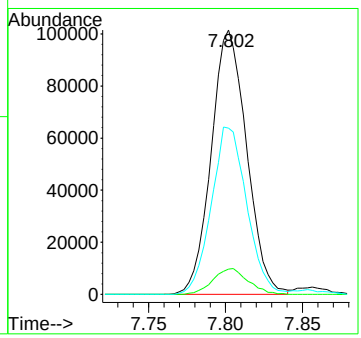


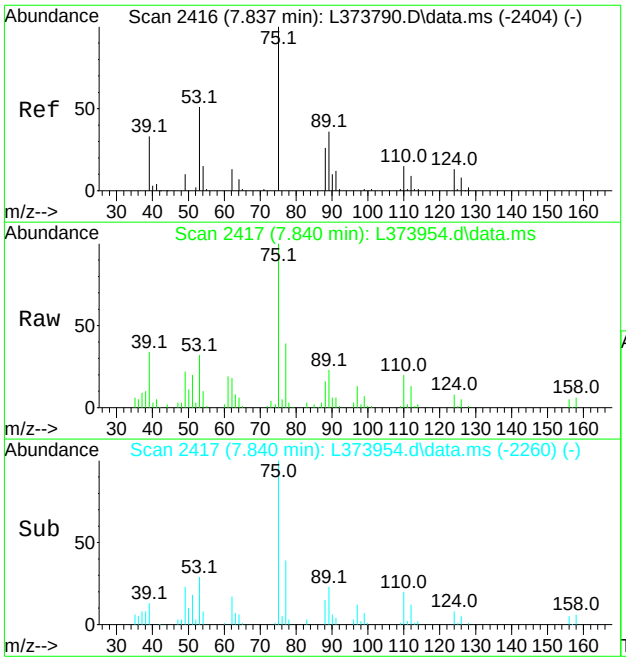


#99
1,1,2,2-tetrachloroethane
Concen: 46.6115 ug/L
RT: 7.802 min Scan# 2405
Delta R.T. -0.000 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 83 Resp: 162141

Ion	Ratio	Lower	Upper
83	100		
131	9.5	0.0	38.9
85	62.9	33.3	93.3

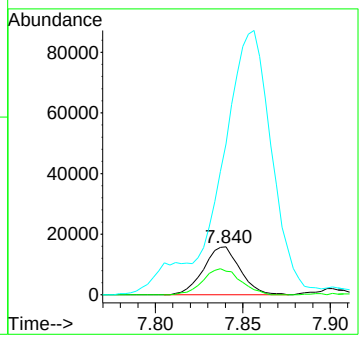


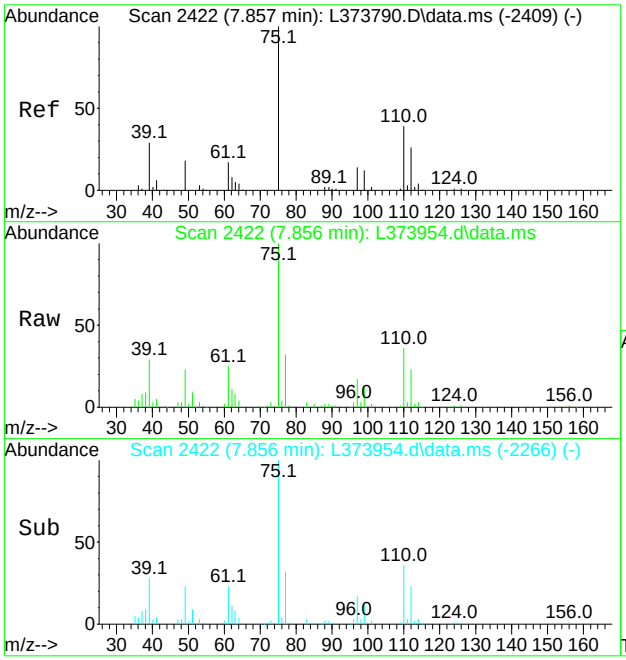


#100
trans-1,4-dichloro-2-butene
Concen: 33.0123 ug/L
RT: 7.840 min Scan# 2417
Delta R.T. 0.003 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 53 Resp: 23019

Ion	Ratio	Lower	Upper
53	100		
88	49.1	21.0	81.0
75	247.2	165.8	225.8#

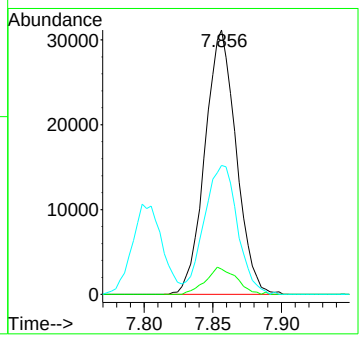


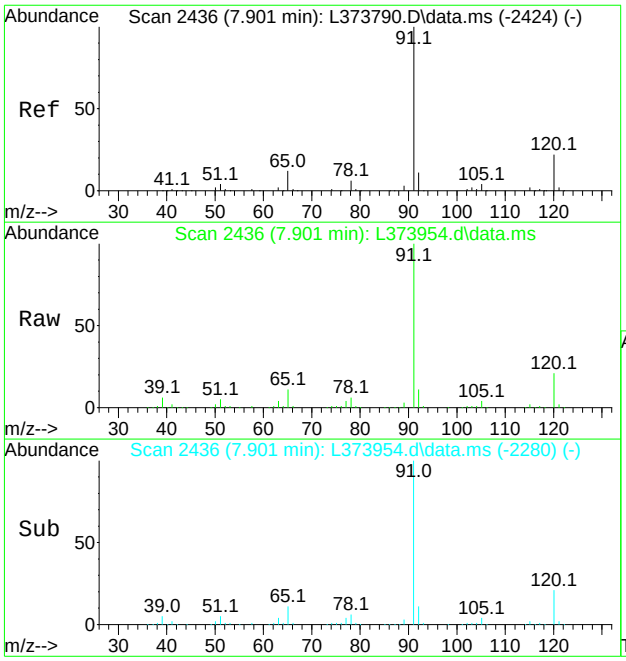


#101
1,2,3-trichloropropane
Concen: 47.3148 ug/L
RT: 7.856 min Scan# 2422
Delta R.T. -0.001 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion:110 Resp: 49184

Ion	Ratio	Lower	Upper
110	100		
111	9.6	0.0	38.4
97	48.7	22.5	82.5

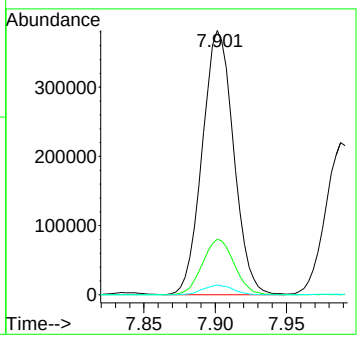


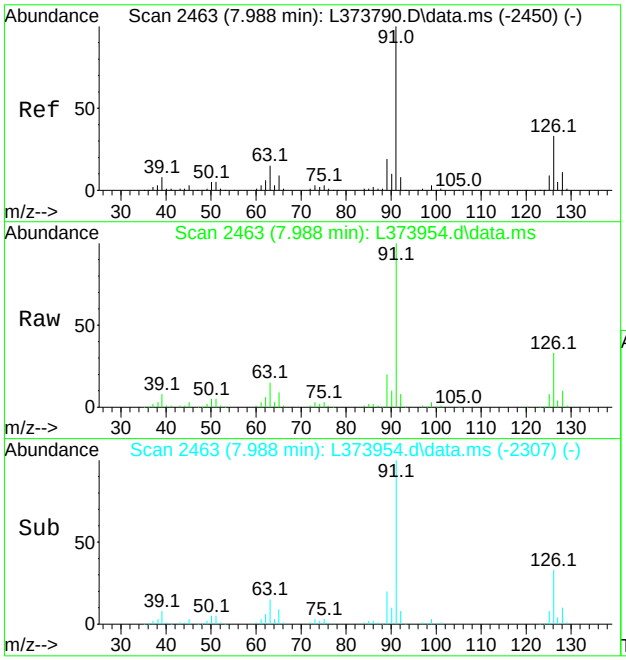


#102
n-propylbenzene
Concen: 52.6996 ug/L
RT: 7.901 min Scan# 2436
Delta R.T. 0.000 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 91 Resp: 584840

Ion	Ratio	Lower	Upper
91	100		
120	21.0	0.0	51.5
105	3.8	0.0	33.7

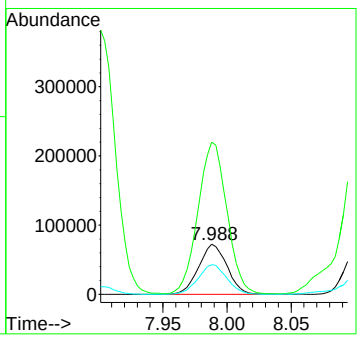




#103
2-chlorotoluene
Concen: 51.9045 ug/L
RT: 7.988 min Scan# 2463
Delta R.T. 0.000 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

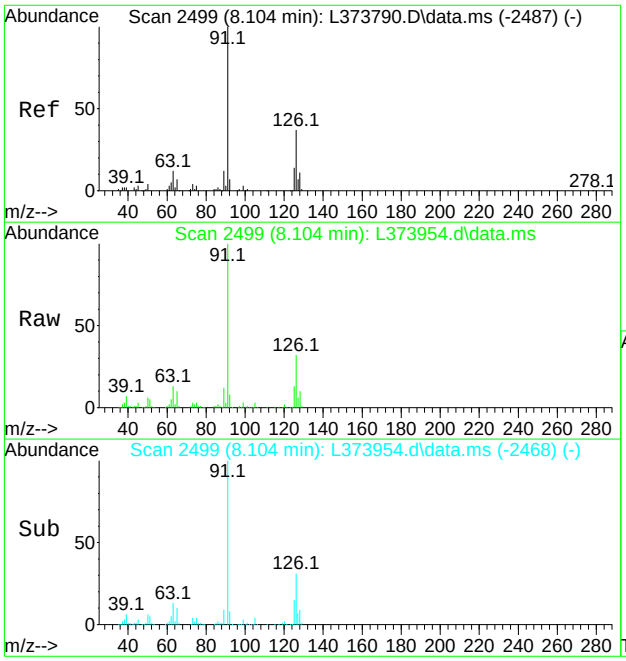
Tgt Ion:126 Resp: 111780

Ion	Ratio	Lower	Upper
126	100		
91	302.1	276.4	336.4
89	59.2	28.8	88.8



7.3.3

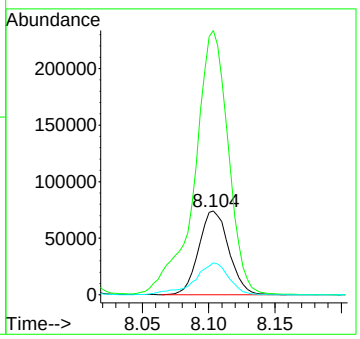
7

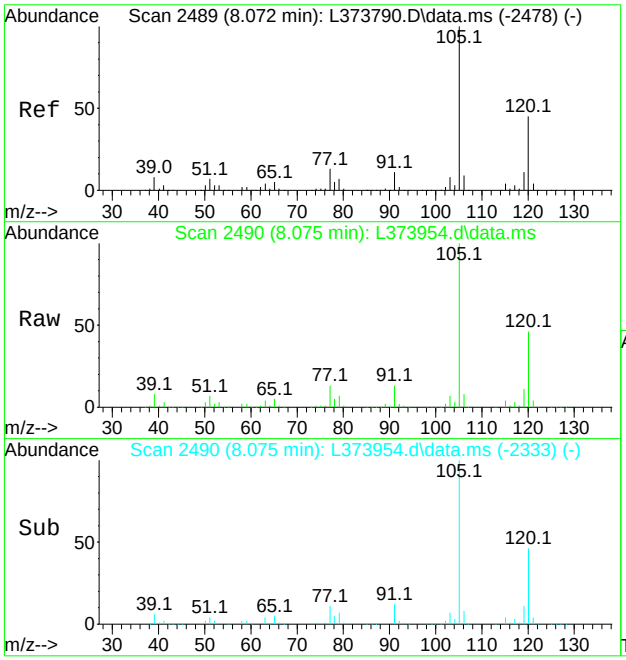


#104
4-chlorotoluene
Concen: 51.1490 ug/L
RT: 8.104 min Scan# 2499
Delta R.T. -0.000 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion:126 Resp: 116834

Ion	Ratio	Lower	Upper
126	100		
91	314.5	265.5	325.5
89	38.1	5.5	65.5

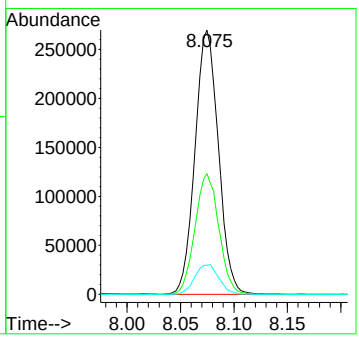


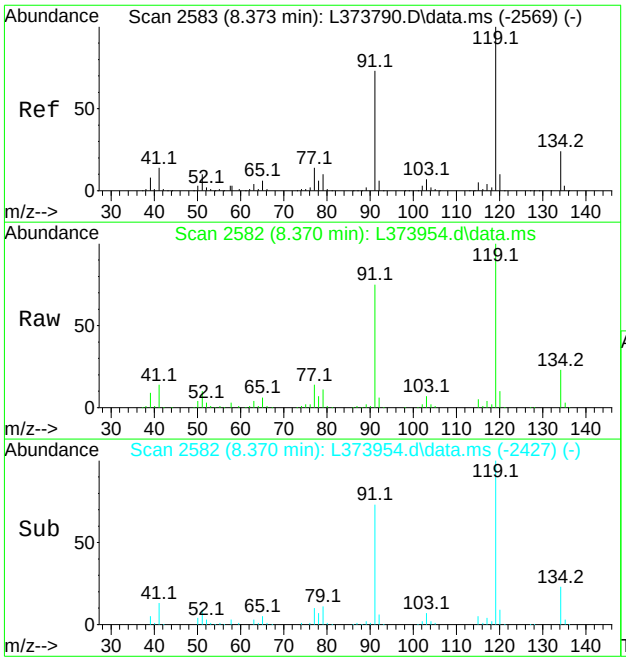


#105
1,3,5-trimethylbenzene
Concen: 53.1818 ug/L
RT: 8.075 min Scan# 2490
Delta R.T. 0.003 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion:105 Resp: 410813

Ion	Ratio	Lower	Upper
105	100		
120	45.7	14.9	74.9
119	11.1	0.0	40.8

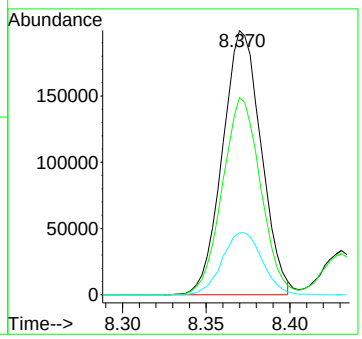


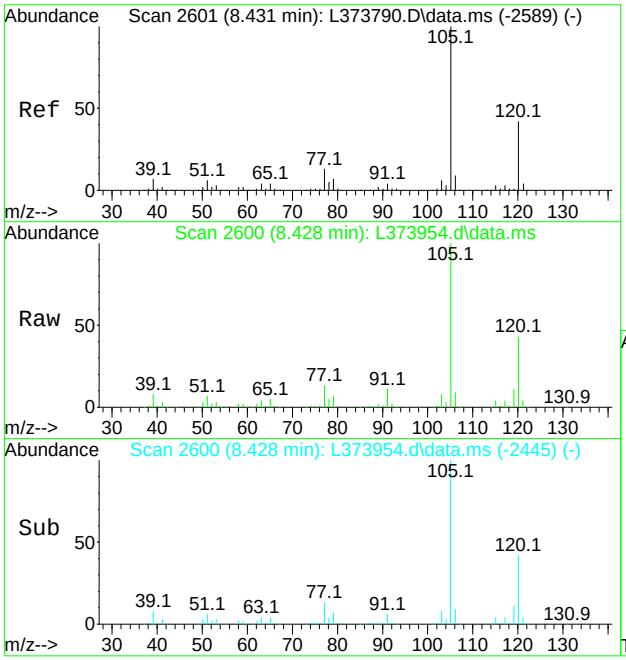


#106
tert-butylbenzene
Concen: 52.4445 ug/L
RT: 8.370 min Scan# 2582
Delta R.T. -0.003 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion:119 Resp: 319564

Ion	Ratio	Lower	Upper
119	100		
91	74.7	42.9	102.9
134	23.4	0.0	54.4

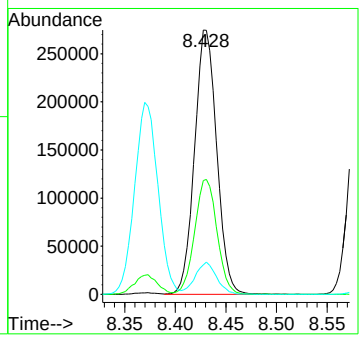


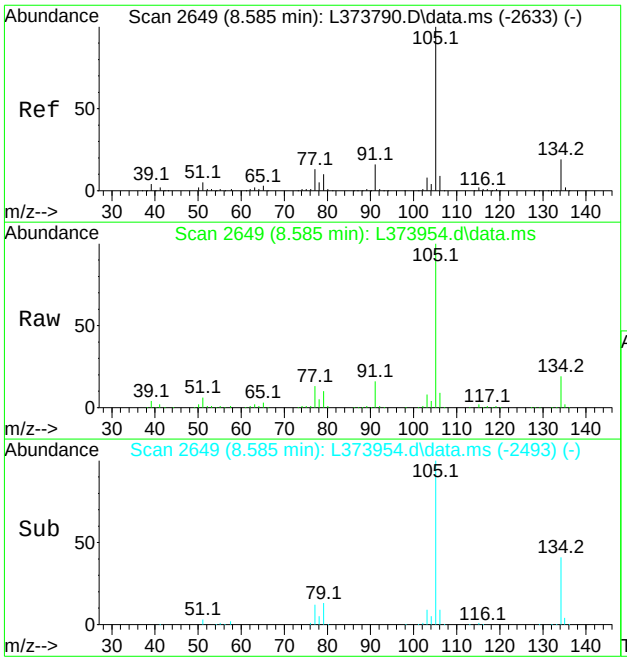


#107
1,2,4-trimethylbenzene
Concen: 53.8152 ug/L
RT: 8.428 min Scan# 2600
Delta R.T. -0.003 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion:105 Resp: 419922

Ion	Ratio	Lower	Upper
105	100		
120	43.1	13.1	73.1
119	11.2	0.0	41.9

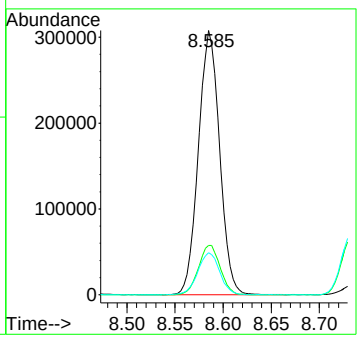


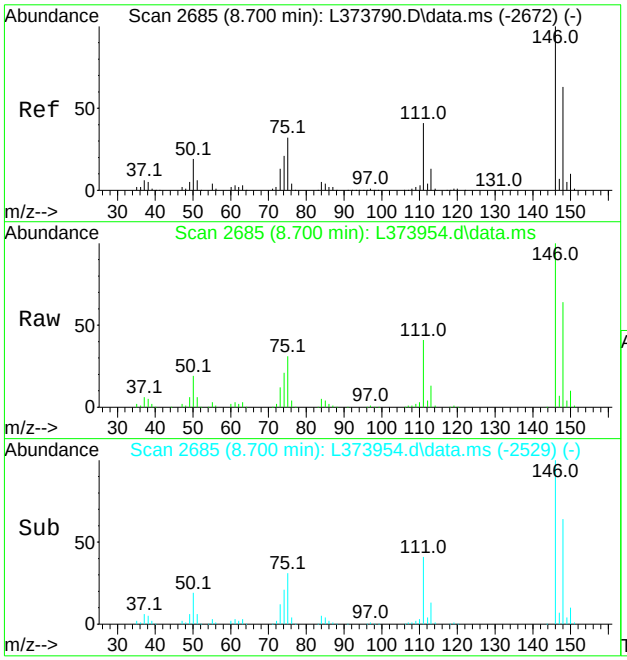


#108
sec-butylbenzene
Concen: 53.4947 ug/L
RT: 8.585 min Scan# 2649
Delta R.T. -0.000 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion:105 Resp: 473205

Ion	Ratio	Lower	Upper
105	100		
134	18.7	0.0	48.8
91	16.0	0.0	45.9

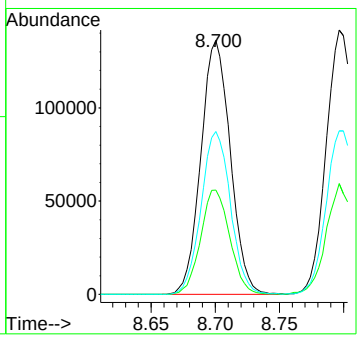


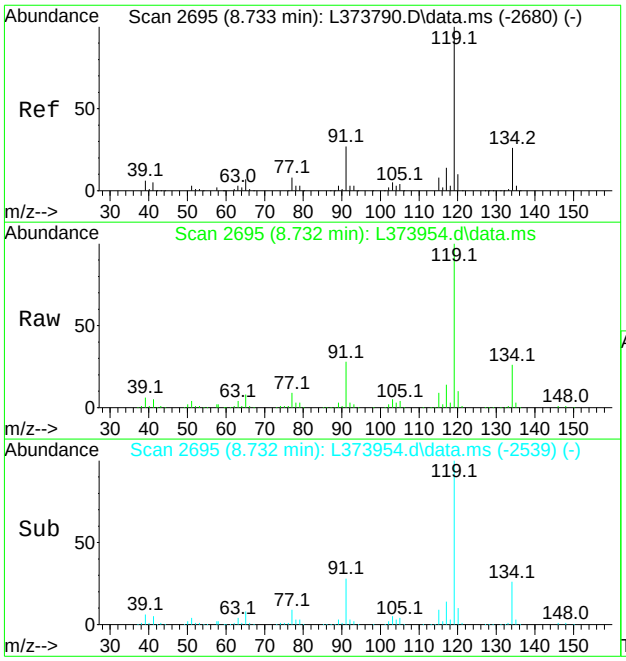


#109
1,3-dichlorobenzene
Concen: 51.3631 ug/L
RT: 8.700 min Scan# 2685
Delta R.T. 0.000 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion:146 Resp: 218112

Ion	Ratio	Lower	Upper
146	100		
111	41.1	11.0	71.0
148	64.1	33.0	93.0

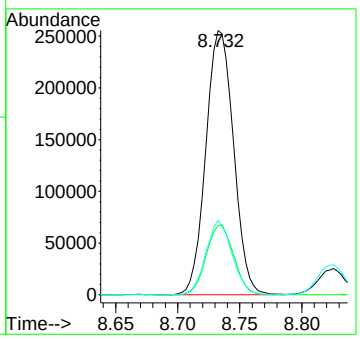


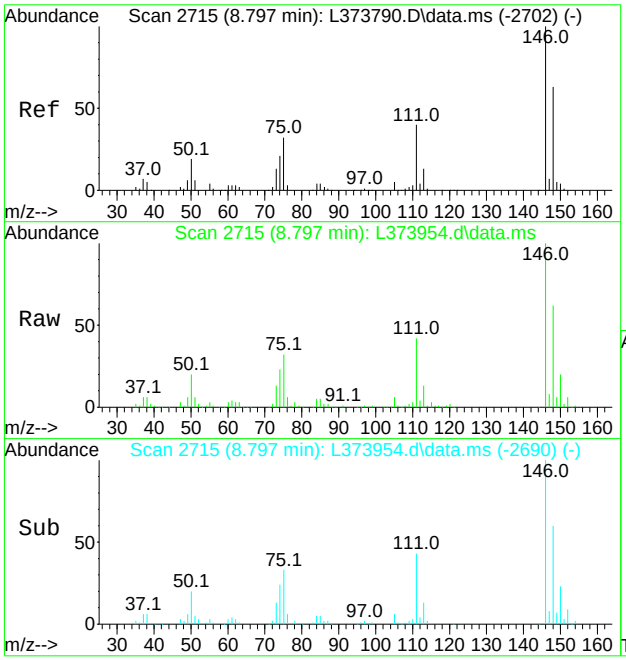


#110
p-isopropyltoluene
Concen: 54.2647 ug/L
RT: 8.732 min Scan# 2695
Delta R.T. -0.001 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion:119 Resp: 396842

Ion	Ratio	Lower	Upper
119	100		
134	26.2	0.0	56.5
91	28.2	0.0	56.9

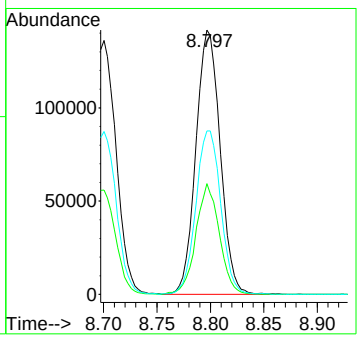


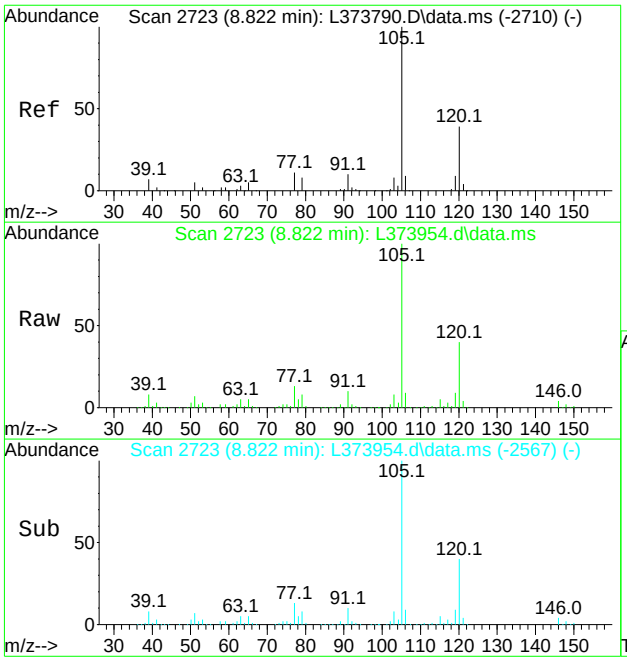


#111
1,4-dichlorobenzene
Concen: 51.0624 ug/L
RT: 8.797 min Scan# 2715
Delta R.T. -0.000 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion:146 Resp: 224003

Ion	Ratio	Lower	Upper
146	100		
111	41.8	9.7	69.7
148	61.8	33.0	93.0

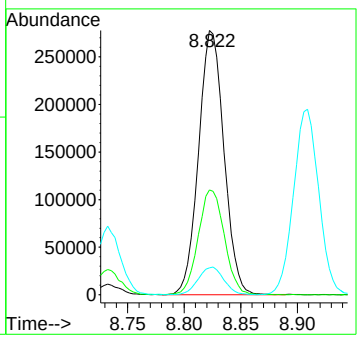


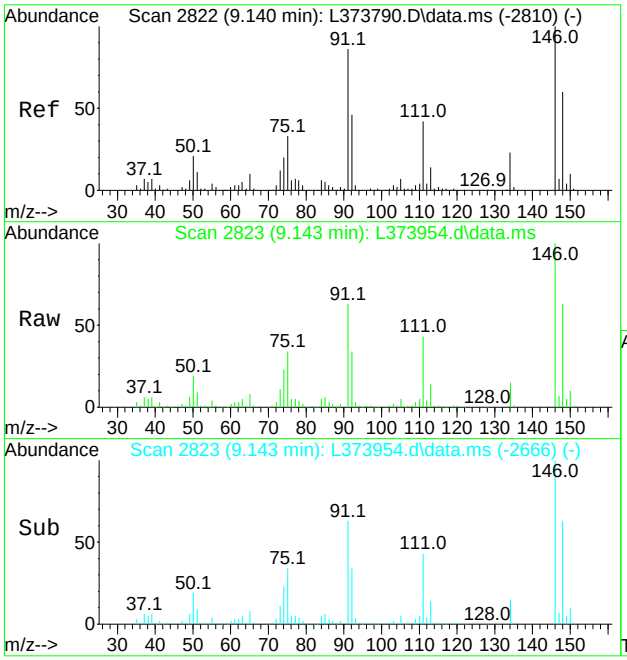


#112
1,2,3-trimethylbenzene
Concen: 52.3999 ug/L
RT: 8.822 min Scan# 2723
Delta R.T. 0.000 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion:105 Resp: 431951

Ion	Ratio	Lower	Upper
105	100		
120	39.6	8.8	68.8
91	10.1	0.0	40.2

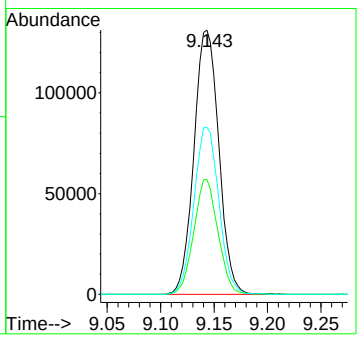


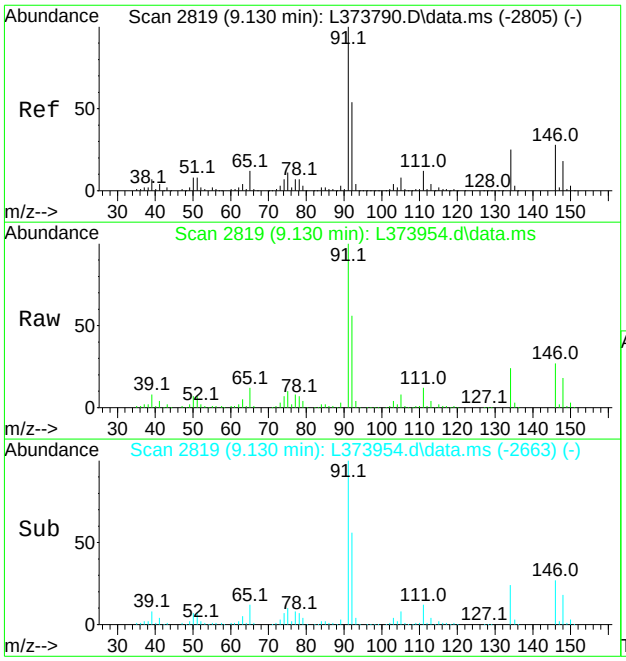


#113
1,2-dichlorobenzene
Concen: 52.1556 ug/L
RT: 9.143 min Scan# 2823
Delta R.T. 0.003 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion:146 Resp: 212756

Ion	Ratio	Lower	Upper
146	100		
111	43.5	12.1	72.1
148	63.2	30.4	90.4

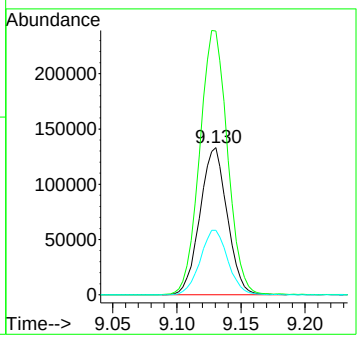


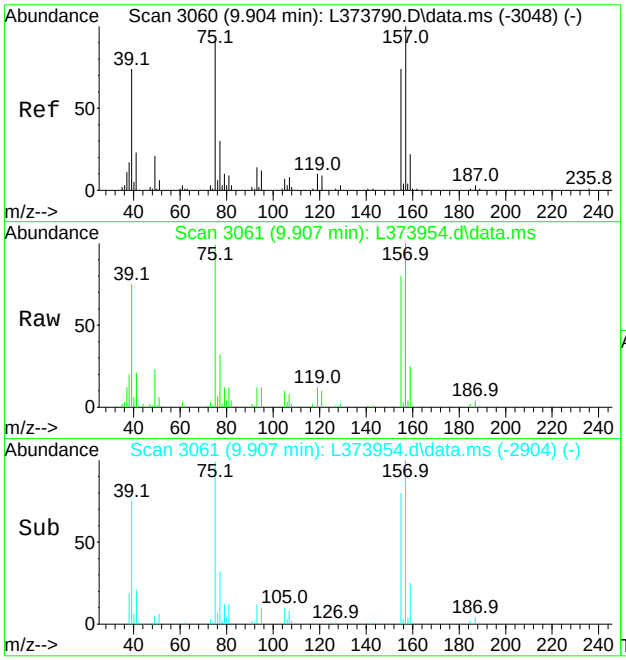


#114
n-butylbenzene
Concen: 54.0910 ug/L
RT: 9.130 min Scan# 2819
Delta R.T. 0.000 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 92 Resp: 197070

Ion	Ratio	Lower	Upper
92	100		
91	178.9	155.4	215.4
134	43.7	15.6	75.6

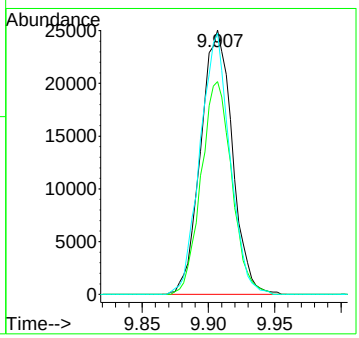


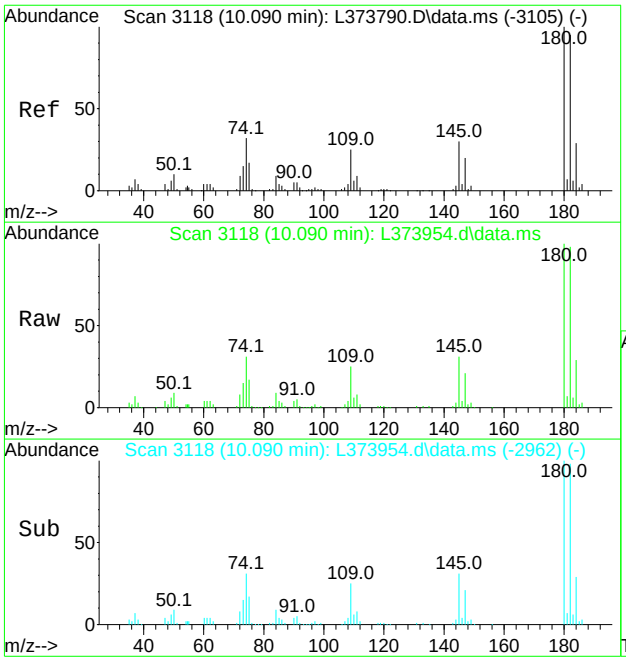


#115
1,2-dibromo-3-chloropropane
Concen: 44.3184 ug/L
RT: 9.907 min Scan# 3061
Delta R.T. 0.003 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion:157 Resp: 41525

Ion	Ratio	Lower	Upper
157	100		
155	80.4	44.1	104.1
75	98.8	60.9	120.9

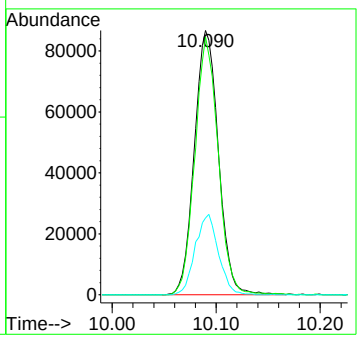


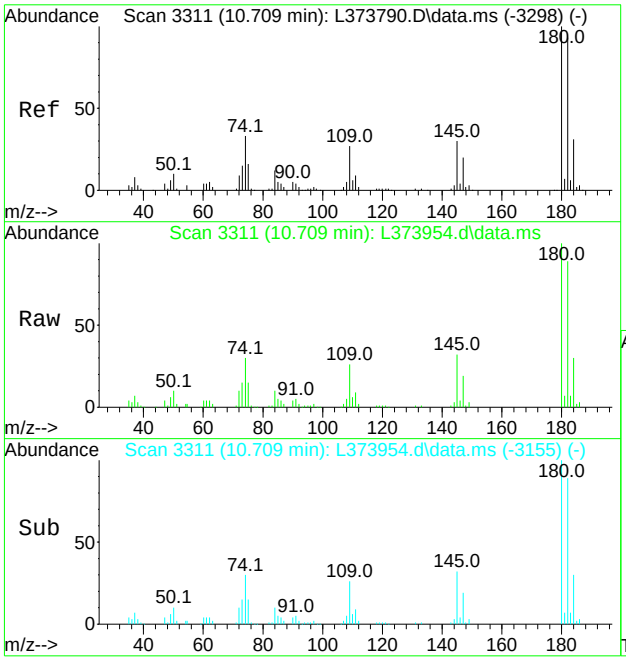


#116
1,3,5-trichlorobenzene
Concen: 53.2953 ug/L
RT: 10.090 min Scan# 3118
Delta R.T. -0.000 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion:180 Resp: 139915

Ion	Ratio	Lower	Upper
180	100		
182	97.6	65.0	125.0
184	29.1	0.0	59.4

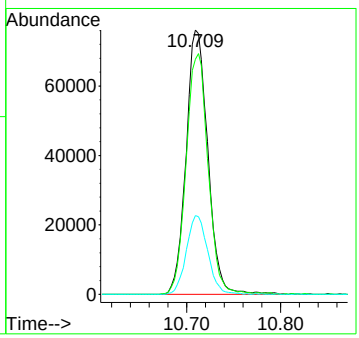


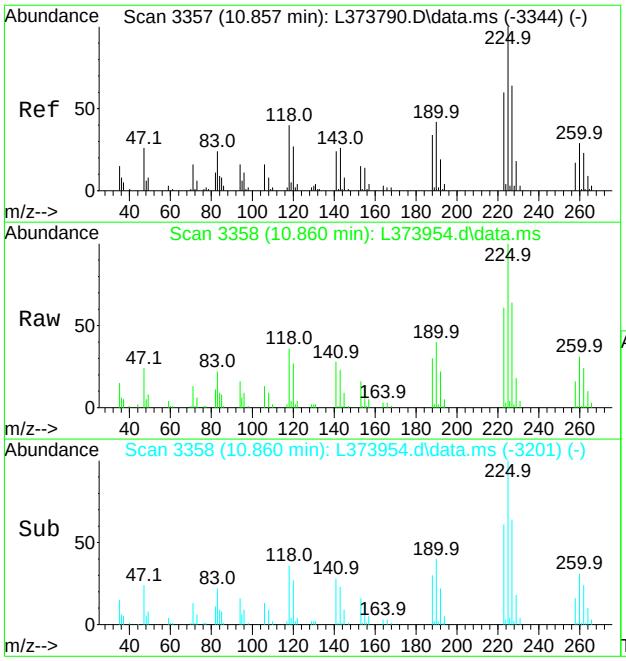


#117
1,2,4-trichlorobenzene
Concen: 53.0262 ug/L
RT: 10.709 min Scan# 3311
Delta R.T. 0.000 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion:180 Resp: 122691

Ion	Ratio	Lower	Upper
180	100		
182	88.6	63.1	123.1
184	29.8	0.8	60.8

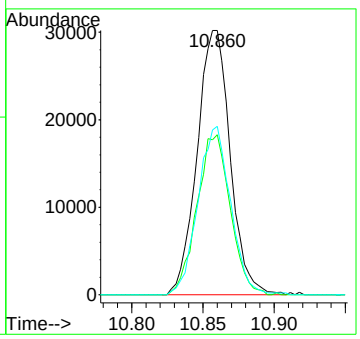


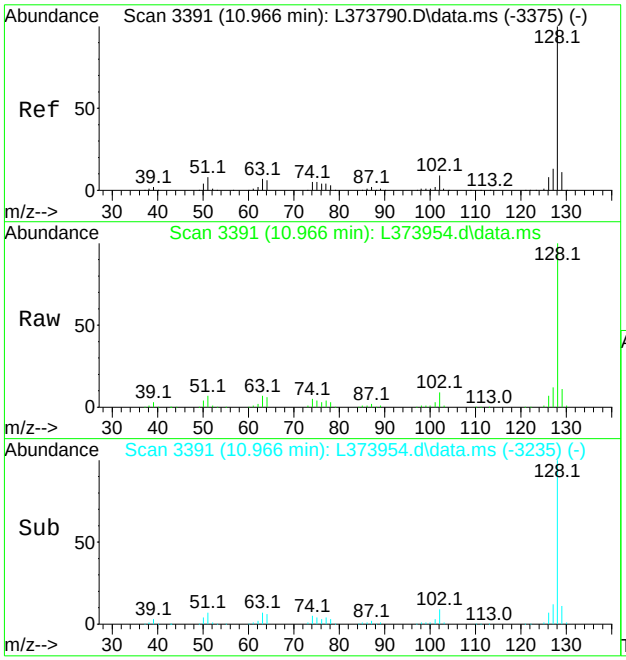


#118
hexachlorobutadiene
Concen: 56.2377 ug/L
RT: 10.860 min Scan# 3358
Delta R.T. 0.003 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion:225 Resp: 48898

Ion	Ratio	Lower	Upper
225	100		
223	60.5	30.0	90.0
227	63.7	33.8	93.8

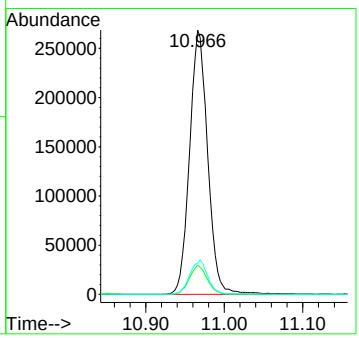


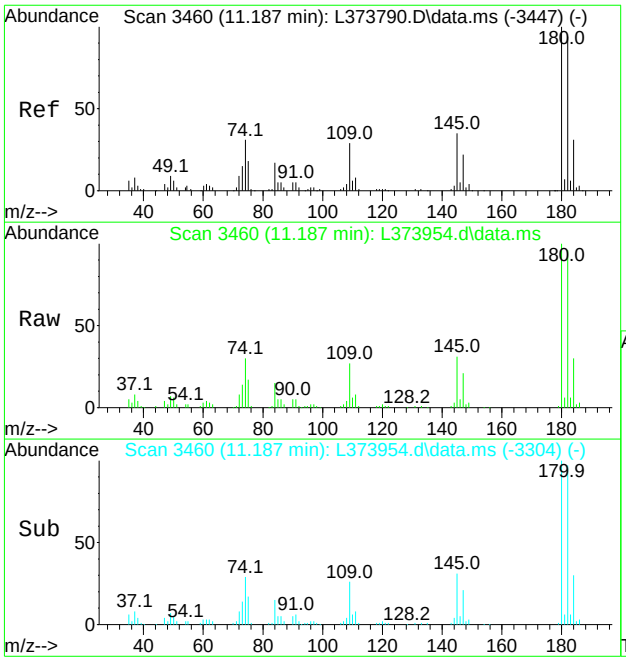


#119
naphthalene
Concen: 50.1978 ug/L
RT: 10.966 min Scan# 3391
Delta R.T. -0.000 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion:128 Resp: 430591

Ion	Ratio	Lower	Upper
128	100		
129	11.1	0.0	41.1
127	11.8	0.0	42.9

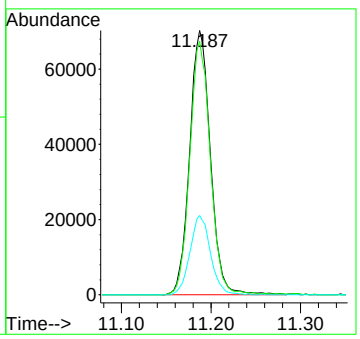


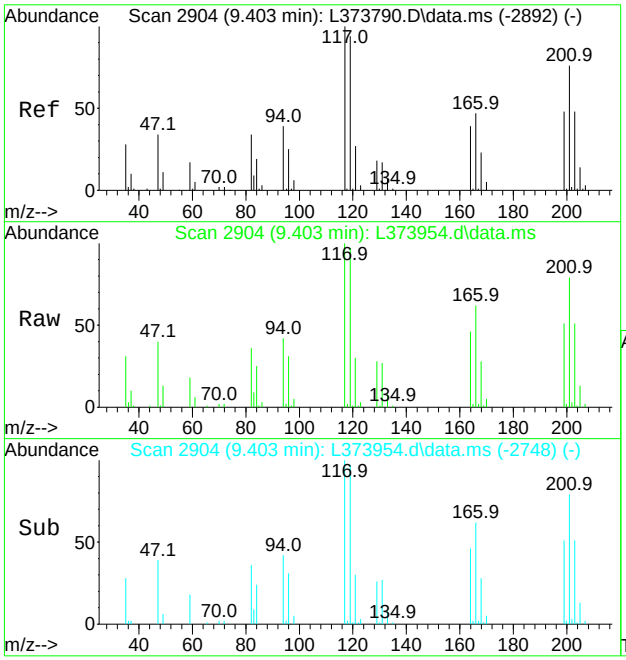


#120
1,2,3-trichlorobenzene
Concen: 51.5443 ug/L
RT: 11.187 min Scan# 3460
Delta R.T. 0.000 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion:180 Resp: 113649

Ion	Ratio	Lower	Upper
180	100		
182	95.9	63.9	123.9
184	30.0	1.2	61.2

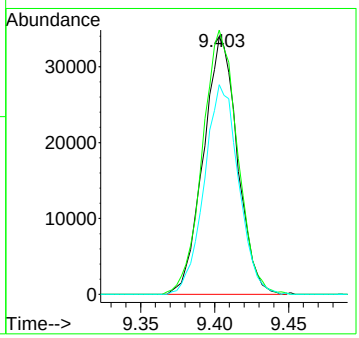


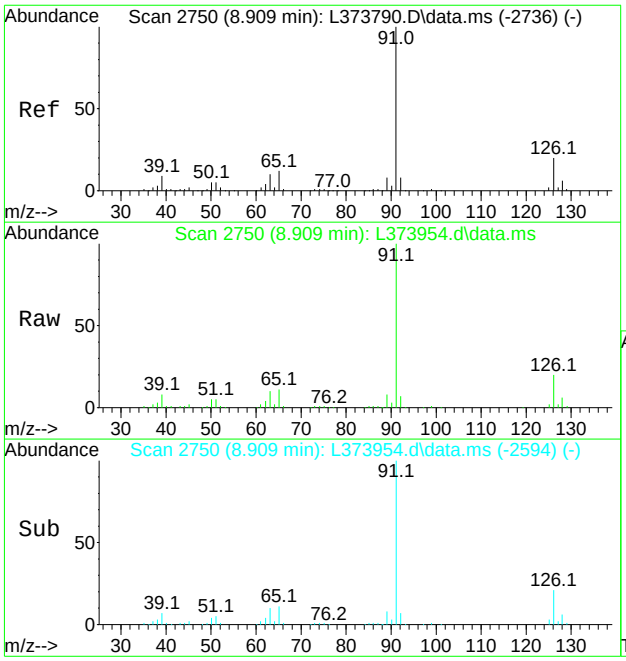


#121
hexachloroethane
Concen: 48.4726 ug/L
RT: 9.403 min Scan# 2904
Delta R.T. 0.000 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion:119 Resp: 54066

Ion	Ratio	Lower	Upper
119	100		
117	102.9	76.2	136.2
201	81.6	51.2	111.2

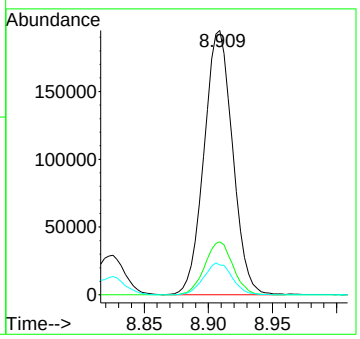


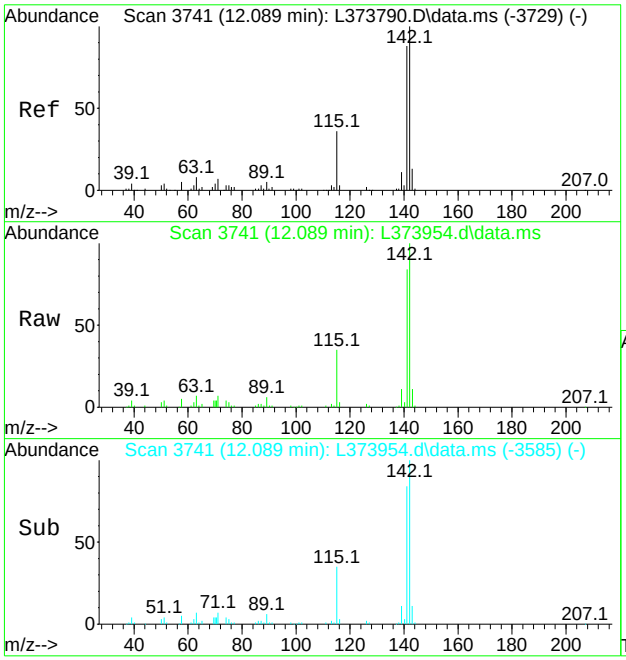


#122
benzyl chloride
Concen: 44.5448 ug/L
RT: 8.909 min Scan# 2750
Delta R.T. -0.000 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion: 91 Resp: 302317

Ion	Ratio	Lower	Upper
91	100		
126	20.1	0.0	49.8
65	11.3	0.0	41.8

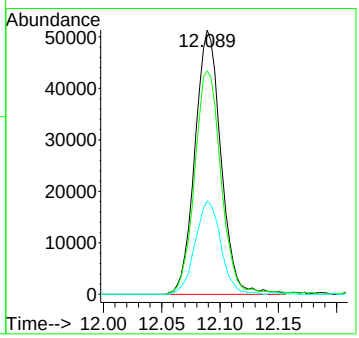




#123
2-methylnaphthalene
Concen: 24.1095 ug/L
RT: 12.089 min Scan# 3741
Delta R.T. -0.000 min
Lab File: L373954.d
Acq: 23 Oct 2025 12:25 am

Tgt Ion:142 Resp: 79787

Ion	Ratio	Lower	Upper
142	100		
141	84.4	68.0	108.0
115	35.3	15.9	55.9



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\diegop\October\20251020\V1K694\
Data File : 1K25219.d
Acq On : 18 Oct 2025 2:08 am
Operator : EDWARDD
Sample : je21034-6ms Inst : GCMSK
Misc : MS98248,V1K694,5,,,,4
ALS Vial : 61 Sample Multiplier: 1

Quant Time: Oct 20 16:50:01 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Oct 20 16:09:06 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.483	65	511530	500.00	ug/L		0.00
5) pentafluorobenzene	4.801	168	937020	50.00	ug/L		0.00
50) 1,4-difluorobenzene	5.161	114	1481661	50.00	ug/L		0.00
72) chlorobenzene-d5	7.103	117	1210293	50.00	ug/L		0.00
96) 1,4-dichlorobenzene-d4	8.373	152	583333	50.00	ug/L		0.00
124) pentafluorobenzene(a)	4.801	168	937020	50.00	ug/L		0.00
128) 1,4-dichlorobenzene-d4(a)	8.373	152	583333	50.00	ug/L		0.00
System Monitoring Compounds							
42) dibromofluoromethane (s)	4.515	113	376836	47.23	ug/L		0.00
Spiked Amount 50.000	Range 75 - 127		Recovery = 94.46%				
51) 1,2-dichloroethane-d4 (s)	4.872	65	465242	44.96	ug/L		0.00
Spiked Amount 50.000	Range 75 - 130		Recovery = 89.92%				
73) toluene-d8 (s)	6.113	98	1640053	48.44	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 96.88%				
97) 4-bromofluorobenzene (s)	7.785	95	553066	44.63	ug/L		0.00
Spiked Amount 50.000	Range 79 - 127		Recovery = 89.26%				
Target Compounds							Qvalue
2) ethanol	2.811	45	604871	8645.4646	ug/L		98
3) tertiary butyl alcohol	3.534	59	294570	231.1664	ug/L		90
4) 1,4-dioxane	5.663	88	99950	1981.6584	ug/L		97
6) chlorodifluoromethane	1.743	51	521404	39.3896	ug/L		98
7) dichlorodifluoromethane	1.708	85	403158	41.9401	ug/L		97
8) chloromethane	1.888	50	509551	46.2900	ug/L		97
9) vinyl chloride	1.962	62	461553	50.3737	ug/L		99
10) 1,3-butadiene	1.971	39	432565	46.3793	ug/L		97
11) bromomethane	2.238	96	118417	43.2931	ug/L	#	90
12) chloroethane	2.351	64	195257	37.6375	ug/L		97
13) trichlorofluoromethane	2.470	101	483210	37.6951	ug/L		96
14) ethyl ether	2.711	74	198611	46.7590	ug/L		89
16) freon 113	2.910	151	245480	45.5367	ug/L		97
17) 1,1-dichloroethene	2.888	61	524772	43.7843	ug/L		98
18) acetone	3.341	58	179603	196.7724	ug/L		91
19) acetonitrile	3.682	41	754518	627.4479	ug/L		99
20) iodomethane	3.013	142	201803	29.0222	ug/L		97
21) carbon disulfide	2.930	76	886459	44.9261	ug/L		100
22) methylene chloride	3.325	84	304511	45.5125	ug/L		95
23) methyl acetate	3.425	74	70326	45.2216	ug/L	#	88
24) methyl tert butyl ether	3.499	73	974555	43.7244	ug/L		95
25) trans-1,2-dichloroethene	3.438	96	317827	44.9729	ug/L		98
26) hexane	3.492	57	754260	42.4430	ug/L		94
27) di-isopropyl ether	3.750	45	1312967	43.9011	ug/L		99
28) ethyl tert-butyl ether	4.000	59	1166204	43.9126	ug/L		99
29) 2-butanone	4.586	72	214127	182.7057	ug/L		99
30) 1,1-dichloroethane	3.869	63	639843	45.4186	ug/L		99
31) chloroprene	3.849	53	667736	43.0603	ug/L		96
33) vinyl acetate	4.010	86	88091	51.0860	ug/L		98
34) ethyl acetate	4.447	70	46229	44.9279	ug/L		84
35) 2,2-dichloropropane	4.306	77	471957	40.5582	ug/L		96
36) cis-1,2-dichloroethene	4.225	96	330392	45.9125	ug/L		98
37) propionitrile	4.785	54	819317	526.4962	ug/L		95
38) methyl acrylate	4.460	85	65367	46.2732	ug/L	#	93
39) bromochloromethane	4.360	128	158855	48.7363	ug/L		95
40) tetrahydrofuran	4.502	71	55379	44.7048	ug/L		95
41) chloroform	4.396	83	560833	41.5630	ug/L		96
43) methacrylonitrile	4.801	67	179275	43.0552	ug/L		91

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\diegop\October\20251020\V1K694\
Data File : 1K25219.d
Acq On : 18 Oct 2025 2:08 am
Operator : EDWARDD
Sample : je21034-6ms Inst : GCMSK
Misc : MS98248,V1K694,5,,,,4
ALS Vial : 61 Sample Multiplier: 1

Quant Time: Oct 20 16:50:01 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Oct 20 16:09:06 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 1,1,1-trichloroethane	4.547	97	479154	41.4932	ug/L		98
45) cyclohexane	4.373	84	515135	50.7224	ug/L		95
46) 1,1-dichloropropene	4.624	75	461247	45.4659	ug/L		97
47) carbon tetrachloride	4.505	117	440014	41.0313	ug/L		97
49) tert-amyl alcohol	4.930	55	98938	279.2728	ug/L	#	81
52) iso-octane	4.682	57	1059209	38.1303	ug/L		93
53) benzene	4.788	78	1293575	45.5147	ug/L		98
54) tert-amyl methyl ether	4.830	73	999212	42.8735	ug/L		99
55) heptane	4.737	57	171747	40.6173	ug/L		94
56) isopropyl acetate	5.023	87	91762	43.4819	ug/L		93
57) 1,2-dichloroethane	4.914	62	452186	39.4323	ug/L		98
58) n-butyl alcohol	5.303	56	826148	4129.8521	ug/L		96
59) ethyl acrylate	5.467	55	616752	43.5239	ug/L		99
60) trichloroethene	5.155	130	346058	48.5180	ug/L		96
61) 2-nitropropane	6.303	41	139405	40.7535	ug/L		94
63) methyl methacrylate	5.611	100	113860	45.8512	ug/L		91
64) 1,2-dichloropropane	5.505	63	368945	46.7047	ug/L		93
65) methylcyclohexane	5.164	98	234411	45.4017	ug/L		90
66) dibromomethane	5.441	93	185085	43.3514	ug/L		96
67) bromodichloromethane	5.534	83	411755	42.6964	ug/L		95
68) epichlorohydrin	6.145	57	272751	234.7442	ug/L		98
69) cis-1,3-dichloropropene	5.981	75	527887	44.7668	ug/L		96
70) 4-methyl-2-pentanone	6.376	58	774305	170.9551	ug/L		96
71) 3-methyl-1-butanol	6.209	70	266195	1298.5866	ug/L		97
74) toluene	6.151	92	816314	45.0221	ug/L		95
75) ethyl methacrylate	6.486	69	474641	44.6194	ug/L		96
76) trans-1,3-dichloropropene	6.415	75	507368	43.1905	ug/L		97
77) 1,1,2-trichloroethane	6.524	83	232113	45.1875	ug/L		97
78) tetrachloroethene	6.415	166	324685	46.0938	ug/L		96
79) 2-hexanone	6.901	58	812554	170.2601	ug/L		98
80) 1,3-dichloropropane	6.701	76	514797	44.7597	ug/L		98
81) butyl acetate	6.827	56	331036	42.7946	ug/L		98
82) dibromochloromethane	6.647	129	323668	44.7679	ug/L		98
83) 1,2-dibromoethane	6.807	107	286632	44.1173	ug/L		99
84) n-butyl ether	7.007	57	1754470	46.0042	ug/L		99
85) chlorobenzene	7.116	112	889703	47.4351	ug/L		95
86) 1,1,1,2-tetrachloroethane	7.145	131	303008	43.8910	ug/L		93
87) ethylbenzene	7.116	91	1527100	44.3634	ug/L		99
88) m,p-xylene	7.196	106	1202564	93.0481	ug/L		95
89) o-xylene	7.450	106	573764	46.4206	ug/L		93
90) styrene	7.476	104	969306	46.4196	ug/L		97
91) bromoform	7.508	173	231359	44.8945	ug/L		94
92) butyl acrylate	7.518	55	896759	44.5601	ug/L		97
93) isopropylbenzene	7.618	105	1421277	46.3446	ug/L		99
94) n-amyl acetate	7.656	70	289843	43.8565	ug/L	#	91
95) cis-1,4-dichloro-2-butene	7.807	88	158944	34.2343	ug/L		95
98) bromobenzene	7.852	156	349020	45.1026	ug/L		94
99) 1,1,2,2-tetrachloroethane	7.881	83	411878	42.7313	ug/L		97
100) trans-1,4-dichloro-2-b...	7.974	53	135847	31.4208	ug/L		99
101) 1,2,3-trichloropropane	7.962	110	135845	42.1428	ug/L		96
102) n-propylbenzene	7.843	91	1641745	45.7444	ug/L		99
103) 2-chlorotoluene	7.942	126	346507	47.4725	ug/L	#	84
104) 4-chlorotoluene	8.029	91	1012851	43.0113	ug/L		95
105) 1,3,5-trimethylbenzene	7.939	105	1123707	45.7893	ug/L		98
106) tert-butylbenzene	8.116	119	971749	46.1232	ug/L		94
107) 1,2,4-trimethylbenzene	8.148	105	1122488	44.1048	ug/L		98
108) sec-butylbenzene	8.206	105	1292879	45.7963	ug/L		99
109) 1,3-dichlorobenzene	8.338	146	652864	46.1089	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\diegop\October\20251020\V1K694\
Data File : 1K25219.d
Acq On : 18 Oct 2025 2:08 am
Operator : EDWARDD
Sample : je21034-6ms Inst : GCMSK
Misc : MS98248,V1K694,5,,,,4
ALS Vial : 61 Sample Multiplier: 1

Quant Time: Oct 20 16:50:01 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Oct 20 16:09:06 2025
Response via : Initial Calibration

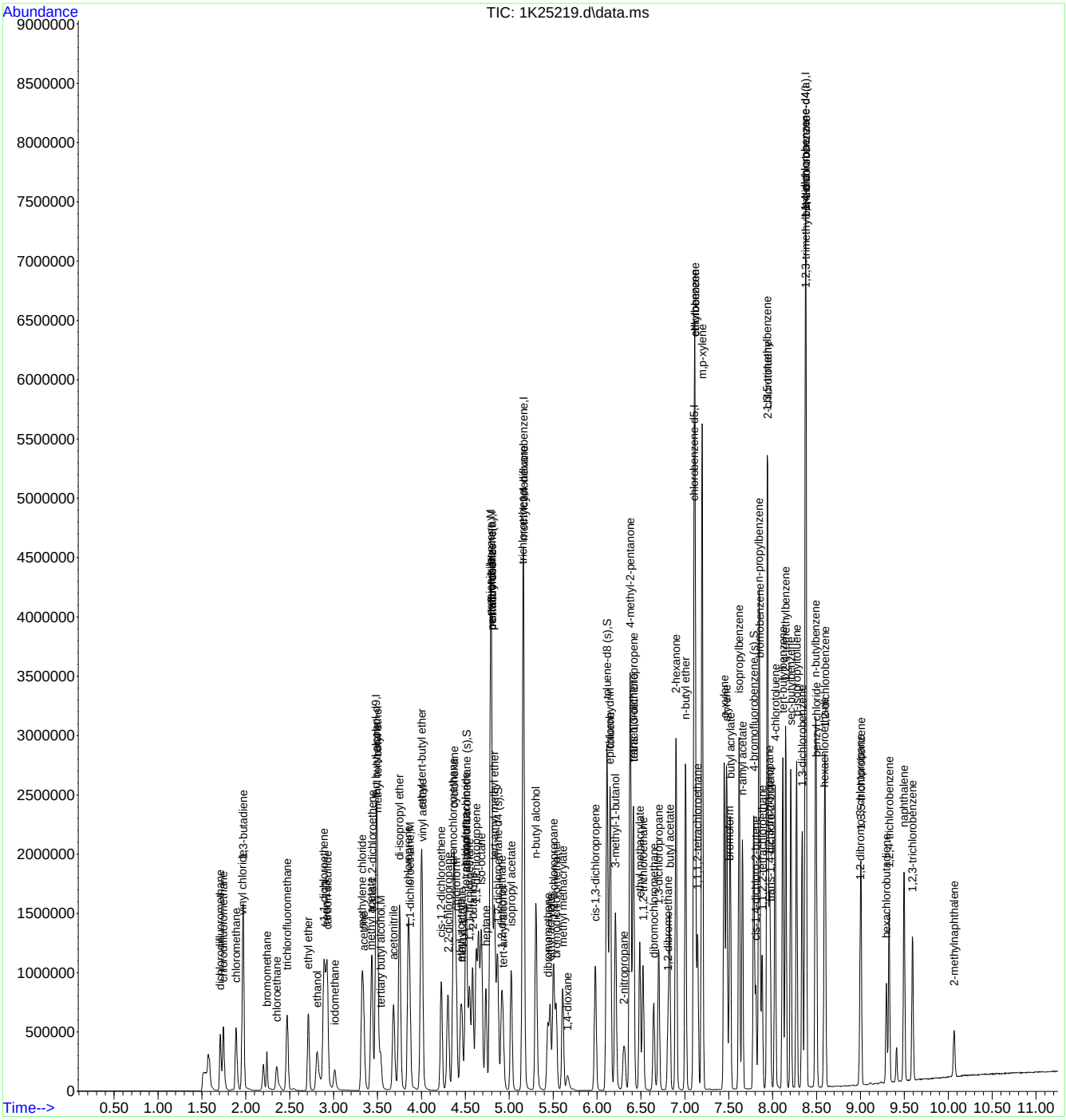
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110) p-isopropyltoluene	8.273	119	1127558	45.9760	ug/L	96
111) 1,4-dichlorobenzene	8.380	146	669949	45.8163	ug/L	99
112) 1,2-dichlorobenzene	8.598	146	622285	46.0003	ug/L	98
113) 1,2,3-trimethylbenzene	8.376	105	1160023	44.7761	ug/L	99
114) n-butylbenzene	8.489	92	550432	42.1825	ug/L	94
115) 1,2-dibromo-3-chloropr...	8.997	157	115107	42.2160	ug/L	92
116) 1,3,5-trichlorobenzene	9.007	180	356610	44.5755	ug/L	100
117) 1,2,4-trichlorobenzene	9.325	180	312580	43.8209	ug/L	98
118) hexachlorobutadiene	9.296	225	114000	45.4709	ug/L	98
119) naphthalene	9.495	128	1029779	44.0661	ug/L	98
120) 1,2,3-trichlorobenzene	9.592	180	277430	44.0268	ug/L	98
121) hexachloroethane	8.589	119	189067	42.7468	ug/L	98
122) benzyl chloride	8.499	126	182811	42.8201	ug/L	95
123) 2-methylnaphthalene	10.068	142	157168	18.3946	ug/L	94

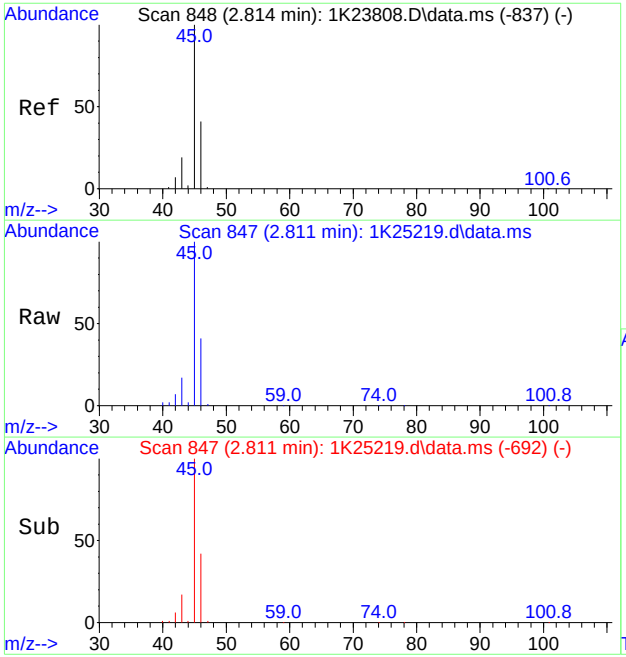
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\diegop\October\20251020\V1K694\
Data File : 1K25219.d
Acq On : 18 Oct 2025 2:08 am
Operator : EDWARDD
Sample : je21034-6ms Inst : GCMSK
Misc : MS98248,V1K694,5,,,,4
ALS Vial : 61 Sample Multiplier: 1

Quant Time: Oct 20 16:50:01 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Oct 20 16:09:06 2025
Response via : Initial Calibration

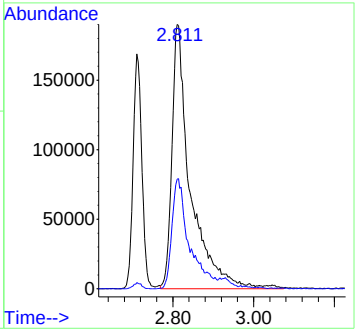


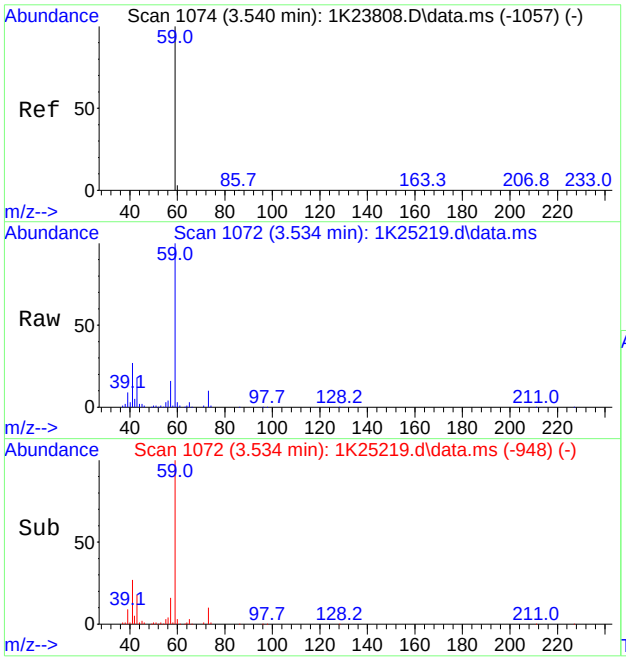


#2
ethanol
Concen: 8645.4646 ug/L
RT: 2.811 min Scan# 847
Delta R.T. -0.003 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion: 45 Resp: 604871

Ion	Ratio	Lower	Upper
45	100		
46	41.3	20.3	60.3

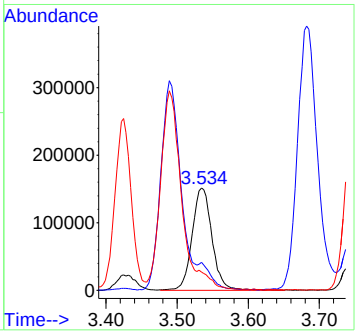


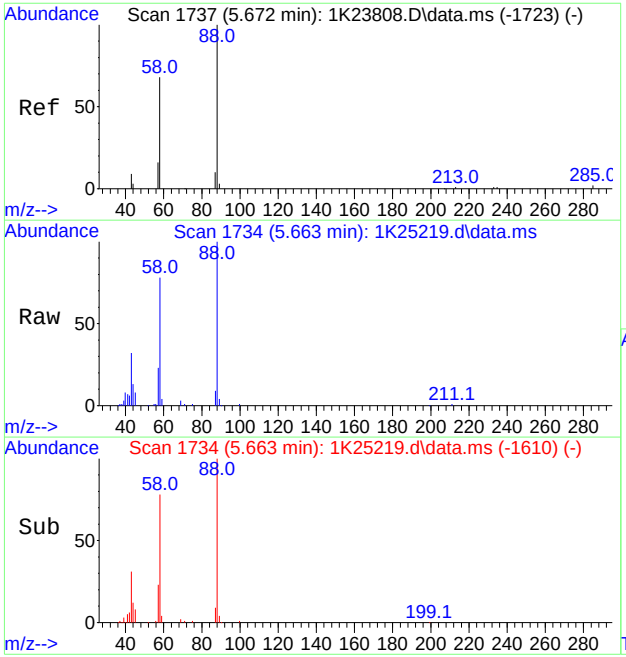


#3
tertiary butyl alcohol
Concen: 231.1664 ug/L
RT: 3.534 min Scan# 1072
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion: 59 Resp: 294570

Ion	Ratio	Lower	Upper
59	100		
41	21.7	0.0	46.0
43	17.6	0.0	51.1

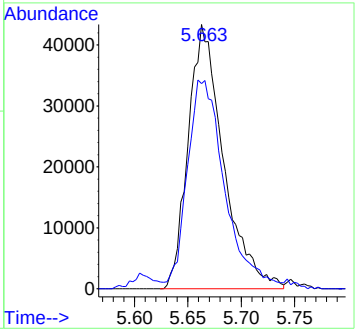


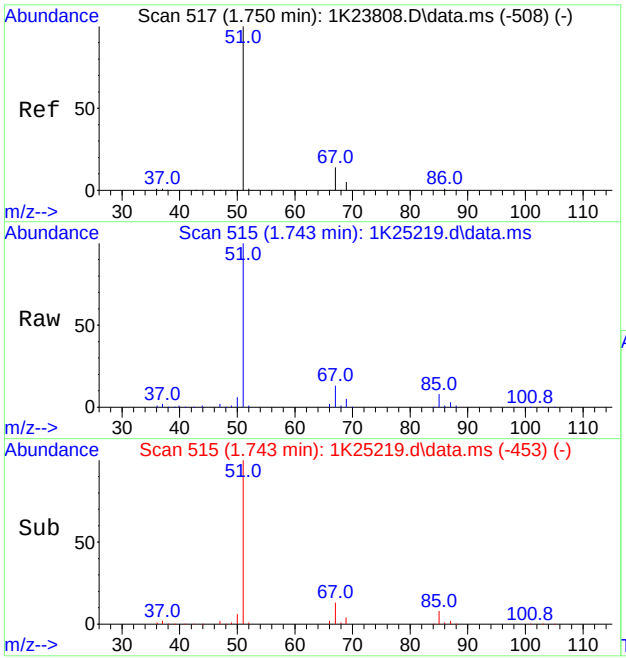


#4
1,4-dioxane
Concen: 1981.6584 ug/L
RT: 5.663 min Scan# 1734
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion: 88 Resp: 99950

Ion	Ratio	Lower	Upper
88	100		
58	75.3	53.2	93.2

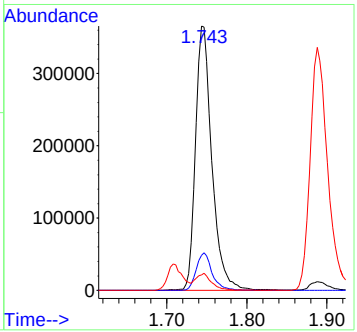


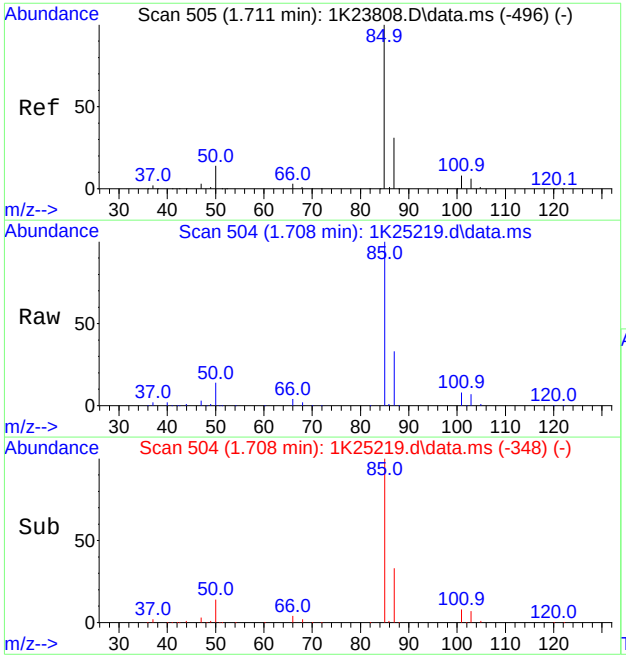


#6
chlorodifluoromethane
Concen: 39.3896 ug/L
RT: 1.743 min Scan# 515
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion: 51 Resp: 521404

Ion	Ratio	Lower	Upper
51	100		
67	13.3	0.0	44.3
50	5.9	0.0	36.5

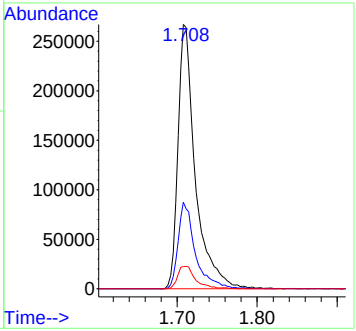


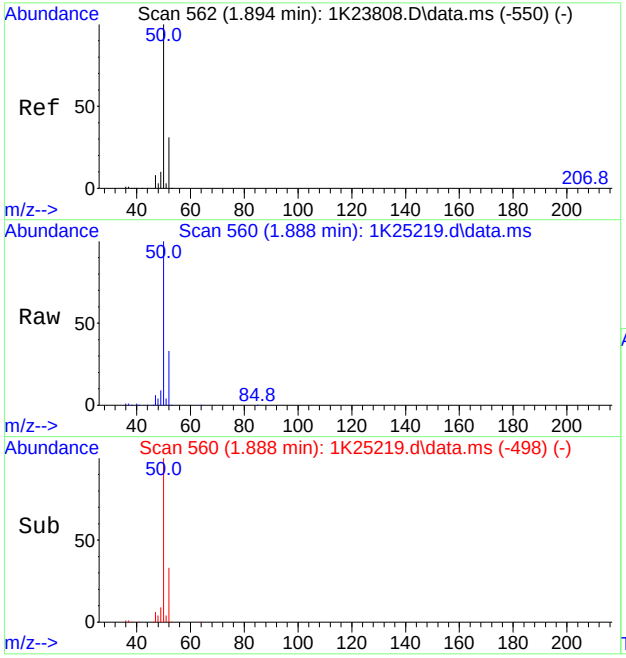


#7
dichlorodifluoromethane
Concen: 41.9401 ug/L
RT: 1.708 min Scan# 504
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion: 85 Resp: 403158

Ion	Ratio	Lower	Upper
85	100		
87	32.8	0.7	60.7
101	8.4	0.0	38.3

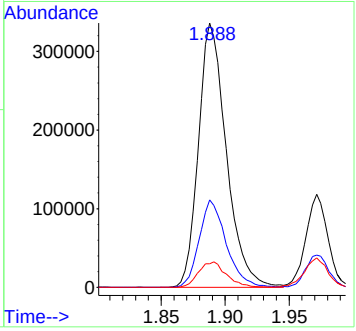


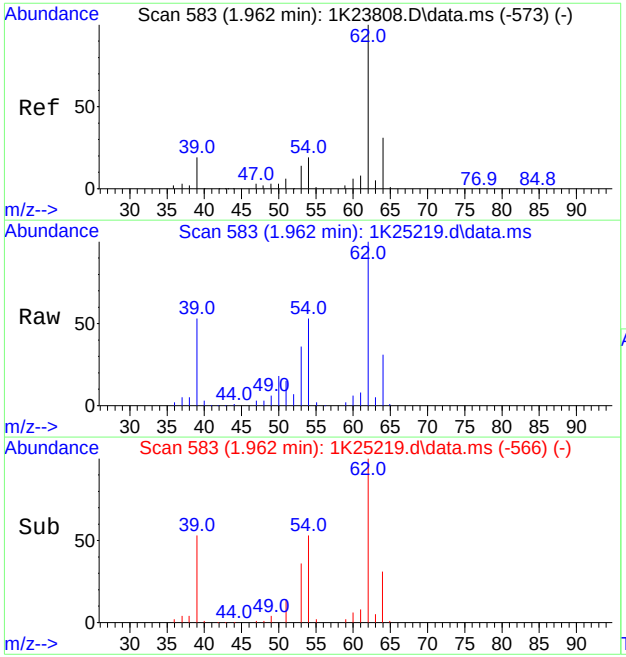


#8
chloromethane
Concen: 46.2900 ug/L
RT: 1.888 min Scan# 560
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion: 50 Resp: 509551

Ion	Ratio	Lower	Upper
50	100		
52	33.1	1.4	61.4
49	8.9	0.0	40.1

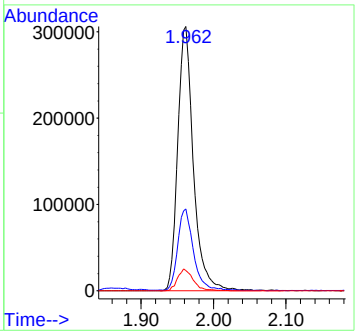


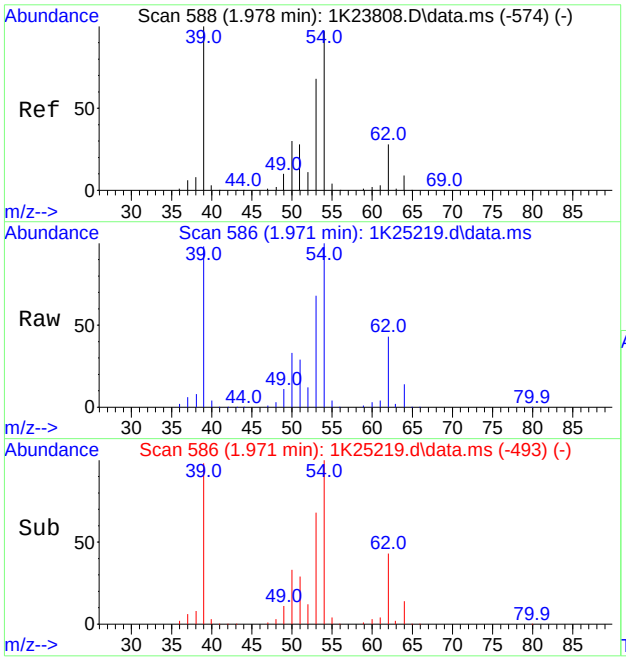


#9
vinyl chloride
Concen: 50.3737 ug/L
RT: 1.962 min Scan# 583
Delta R.T. 0.003 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion: 62 Resp: 461553

Ion	Ratio	Lower	Upper
62	100		
64	30.9	0.6	60.6
61	7.6	0.0	38.4

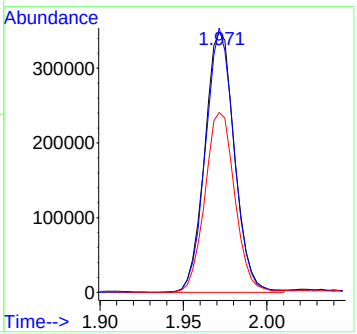


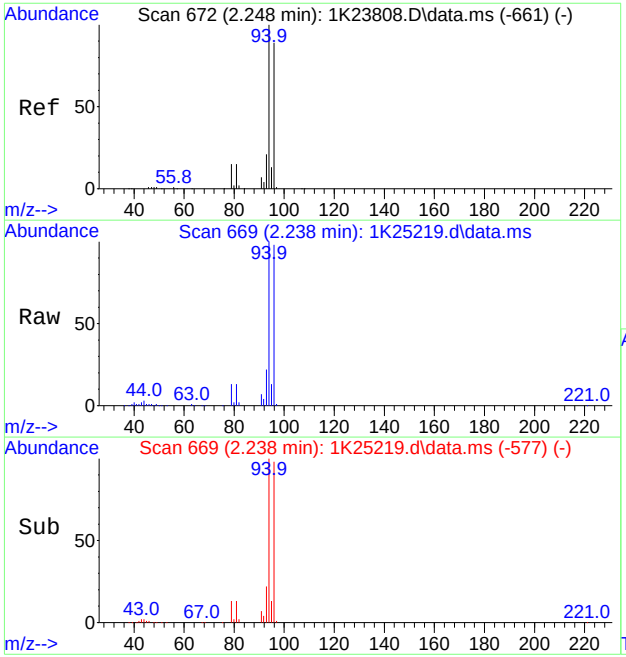


#10
1,3-butadiene
Concen: 46.3793 ug/L
RT: 1.971 min Scan# 586
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion: 39 Resp: 432565

Ion	Ratio	Lower	Upper
39	100		
54	101.8	67.0	127.0
53	69.2	38.5	98.5

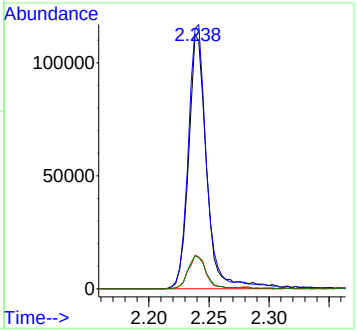


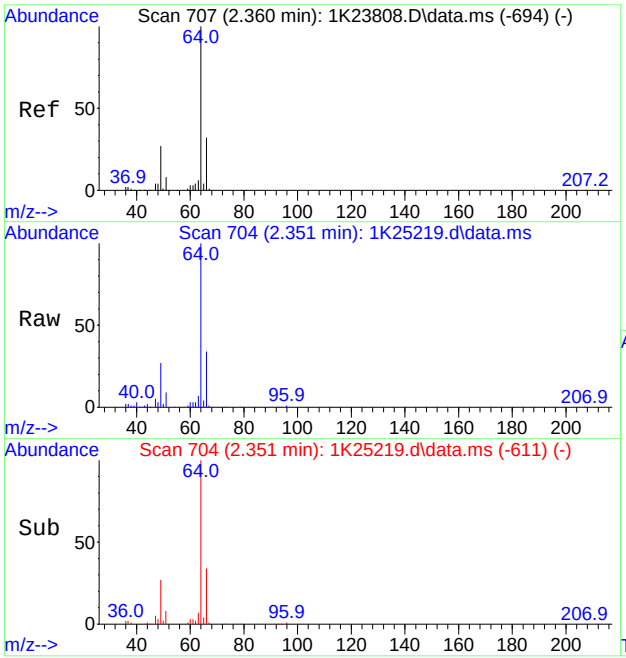


#11
bromomethane
Concen: 43.2931 ug/L
RT: 2.238 min Scan# 669
Delta R.T. -0.003 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion: 96 Resp: 118417

Ion	Ratio	Lower	Upper
96	100		
94	102.3	82.9	142.9
79	13.2	17.4	17.4#
81	12.9	0.0	36.4

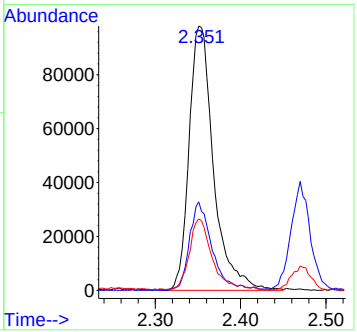


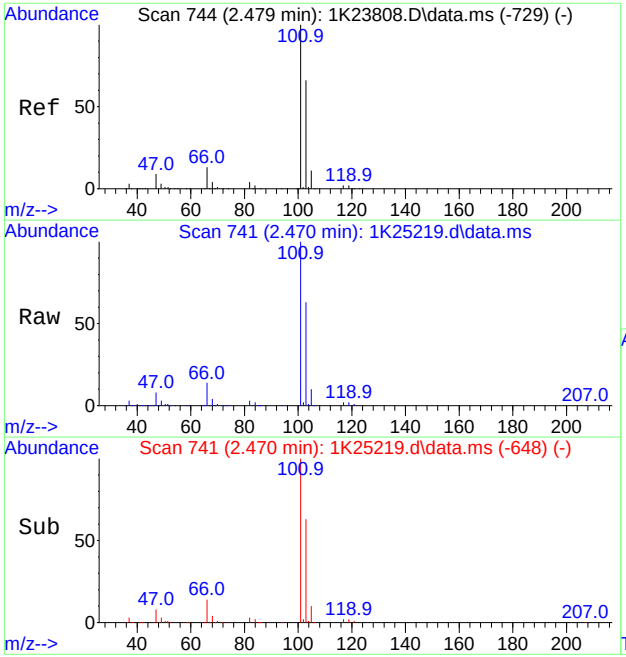


#12
chloroethane
Concen: 37.6375 ug/L
RT: 2.351 min Scan# 704
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion: 64 Resp: 195257

Ion	Ratio	Lower	Upper
64	100		
66	33.6	1.6	61.6
49	26.5	0.0	57.3

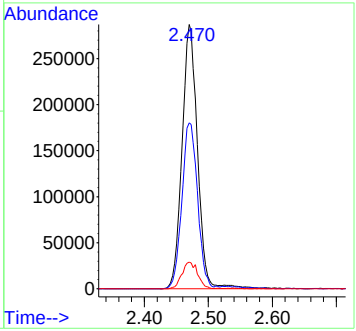


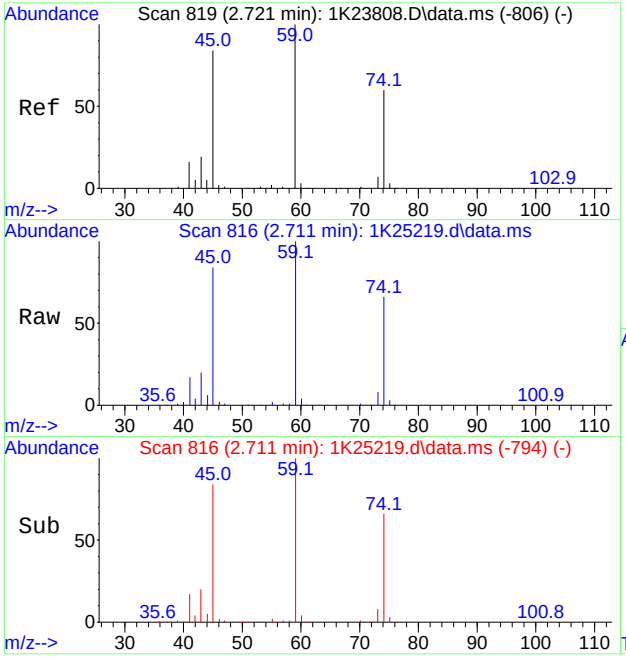


#13
trichlorofluoromethane
Concen: 37.6951 ug/L
RT: 2.470 min Scan# 741
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion:101 Resp: 483210

Ion	Ratio	Lower	Upper
101	100		
103	62.7	35.9	95.9
105	10.0	0.0	40.9

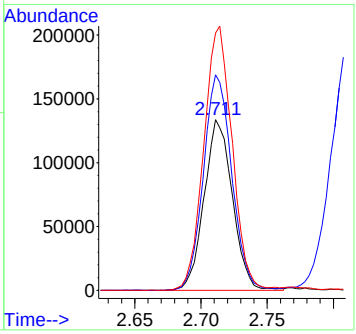


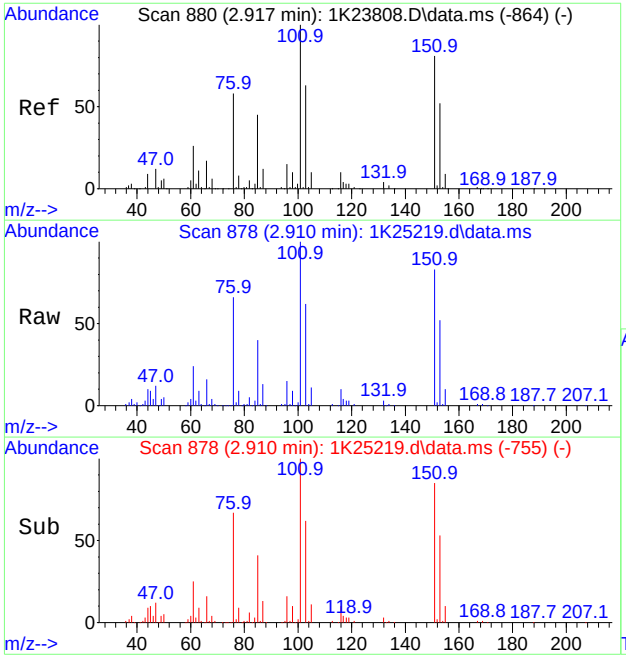


#14
ethyl ether
Concen: 46.7590 ug/L
RT: 2.711 min Scan# 816
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion: 74 Resp: 198611

Ion	Ratio	Lower	Upper
74	100		
45	126.2	108.3	168.3
59	150.5	135.3	195.3

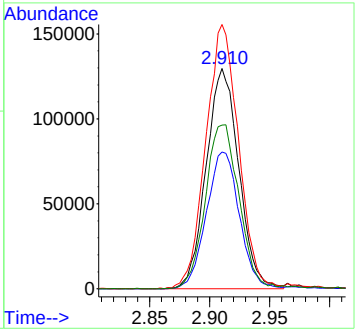


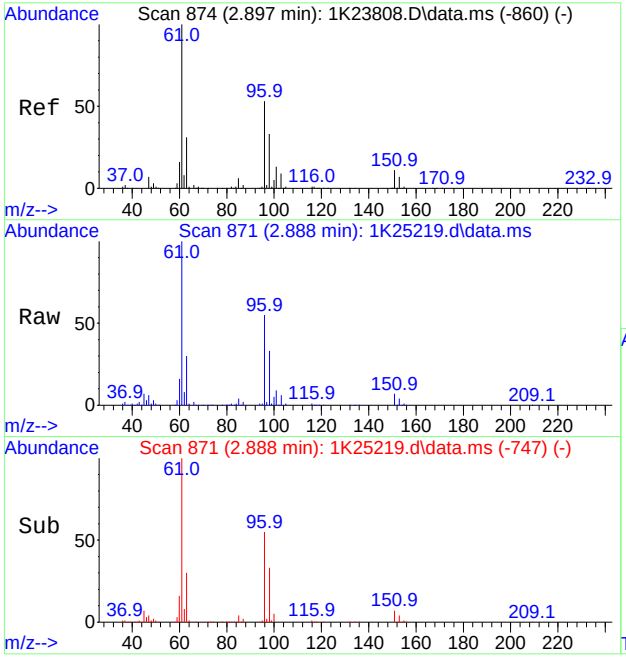


#16
freon 113
Concen: 45.5367 ug/L
RT: 2.910 min Scan# 878
Delta R.T. -0.003 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion:151 Resp: 245480

Ion	Ratio	Lower	Upper
151	100		
153	62.1	44.4	84.4
101	119.7	102.8	142.8
103	74.3	57.7	97.7

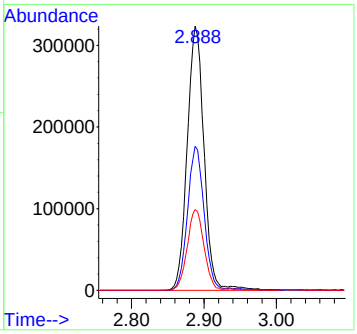


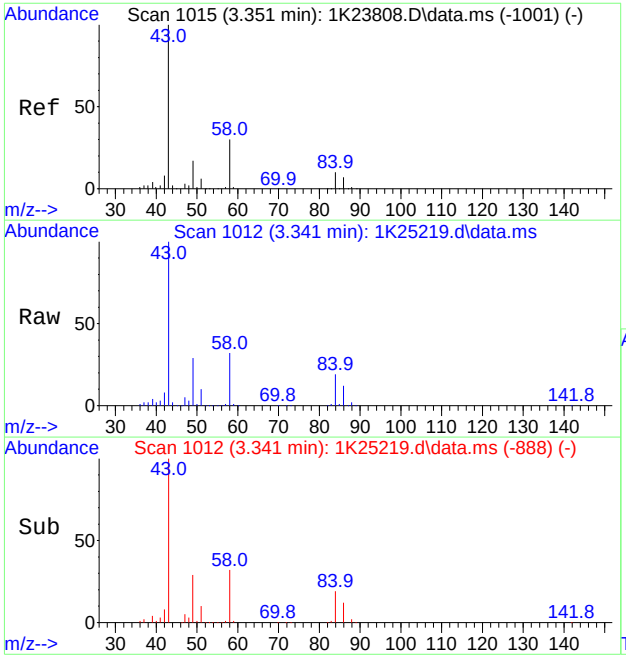


#17
1,1-dichloroethene
Concen: 43.7843 ug/L
RT: 2.888 min Scan# 871
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion: 61 Resp: 524772

Ion	Ratio	Lower	Upper
61	100		
96	54.5	23.2	83.2
63	30.5	1.0	61.0

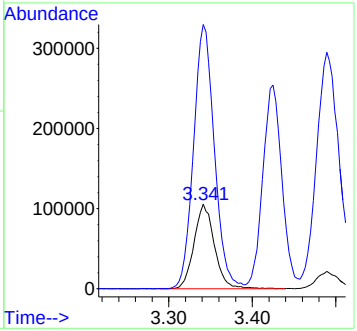


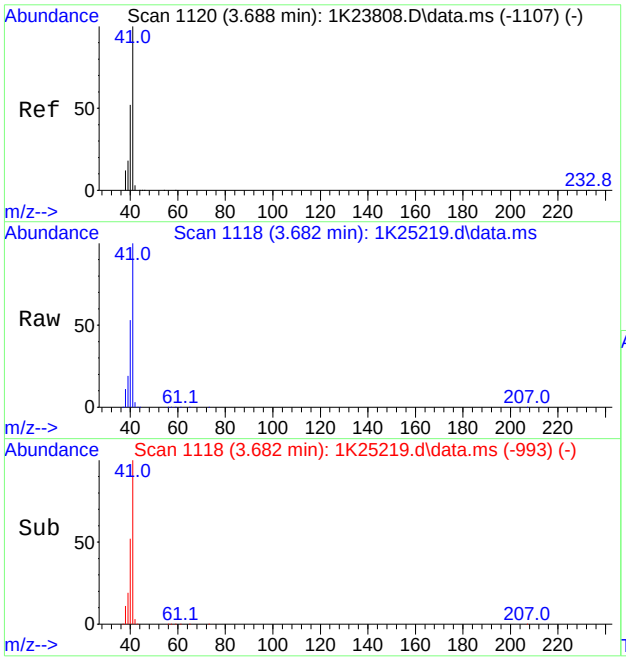


#18
acetone
Concen: 196.7724 ug/L
RT: 3.341 min Scan# 1012
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion: 58 Resp: 179603

Ion	Ratio	Lower	Upper
58	100		
43	312.2	300.4	360.4

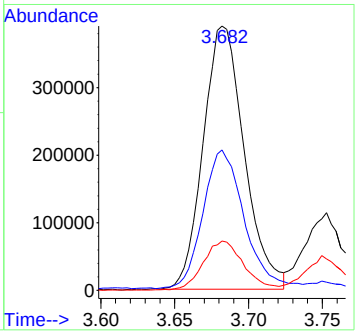


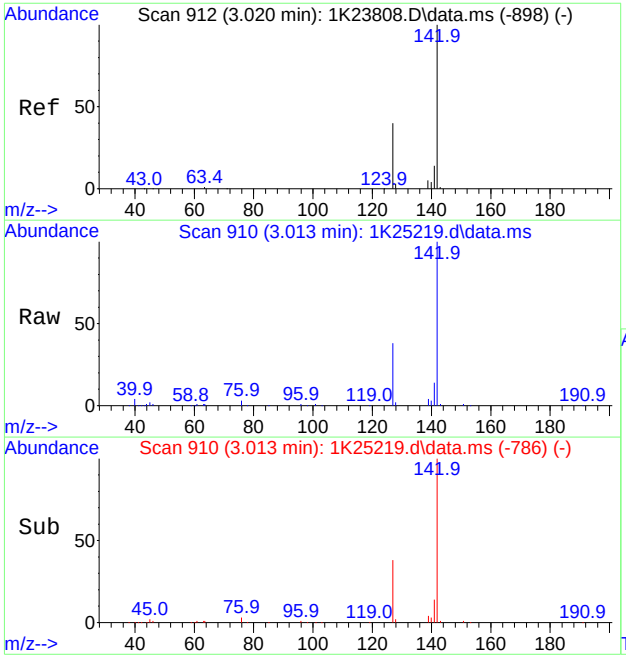


#19
acetonitrile
Concen: 627.4479 ug/L
RT: 3.682 min Scan# 1118
Delta R.T. 0.003 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion: 41 Resp: 754518

Ion	Ratio	Lower	Upper
41	100		
40	52.5	21.7	81.7
39	18.5	0.0	47.9

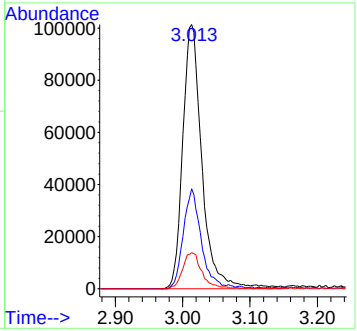


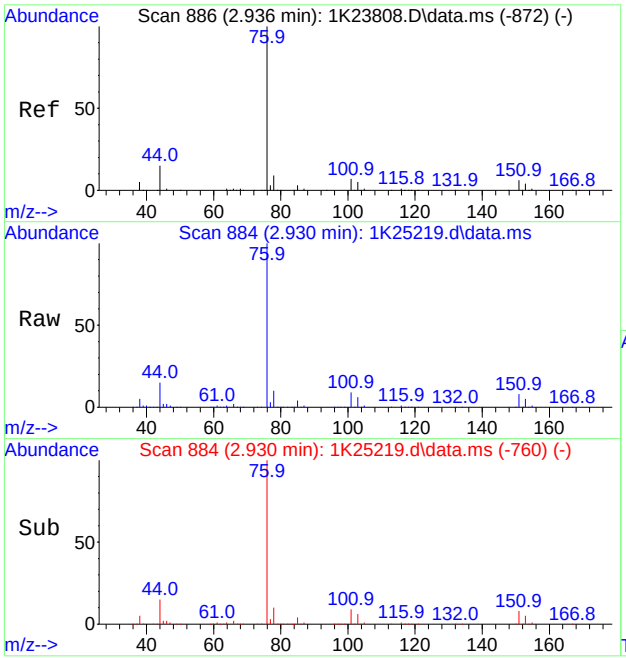


#20
iodomethane
Concen: 29.0222 ug/L
RT: 3.013 min Scan# 910
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion:142 Resp: 201803

Ion	Ratio	Lower	Upper
142	100		
127	37.9	9.9	69.9
141	13.7	0.0	44.3

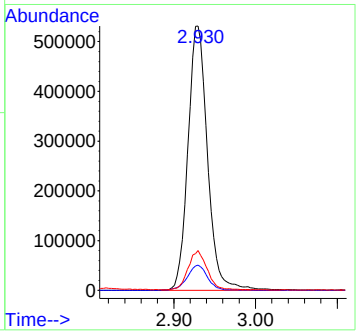


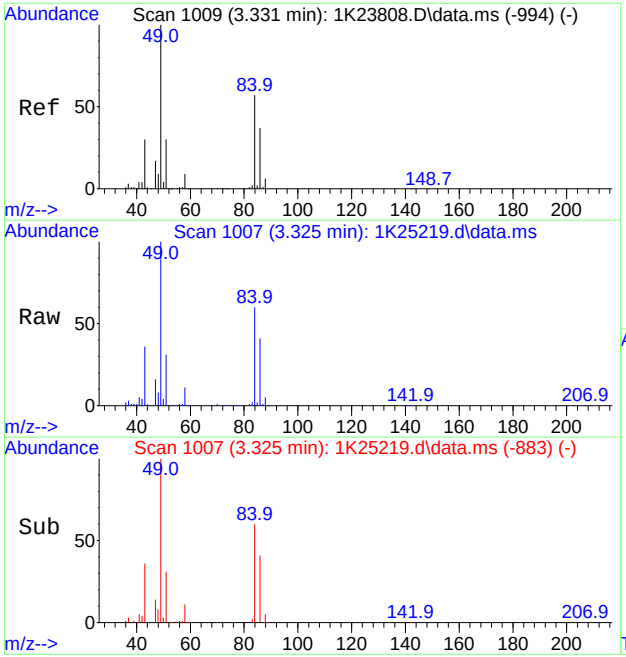


#21
carbon disulfide
Concen: 44.9261 ug/L
RT: 2.930 min Scan# 884
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion: 76 Resp: 886459

Ion	Ratio	Lower	Upper
76	100		
78	9.6	0.0	39.5
44	14.8	0.0	44.8

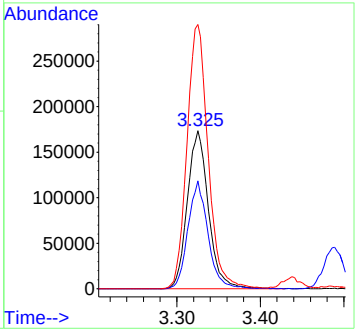


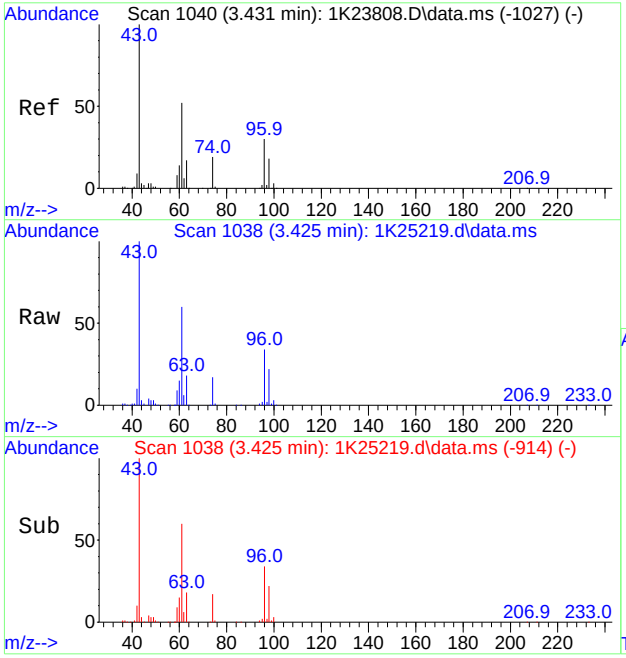


#22
methylene chloride
Concen: 45.5125 ug/L
RT: 3.325 min Scan# 1007
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion: 84 Resp: 304511

Ion	Ratio	Lower	Upper
84	100		
86	68.3	35.3	95.3
49	167.2	144.8	204.8

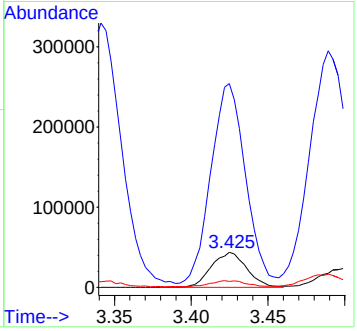


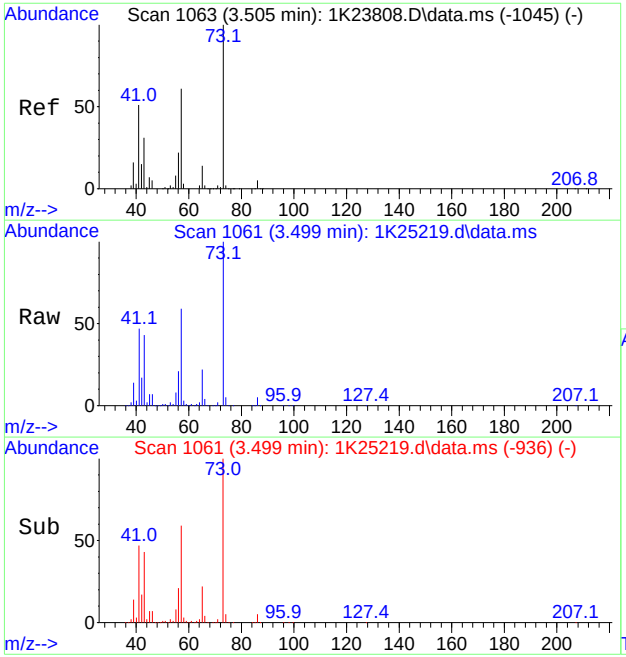


#23
methyl acetate
Concen: 45.2216 ug/L
RT: 3.425 min Scan# 1038
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion: 74 Resp: 70326

Ion	Ratio	Lower	Upper
74	100		
43	557.5	491.2	551.2#
44	14.2	0.0	44.3

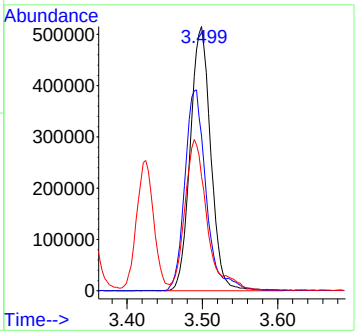


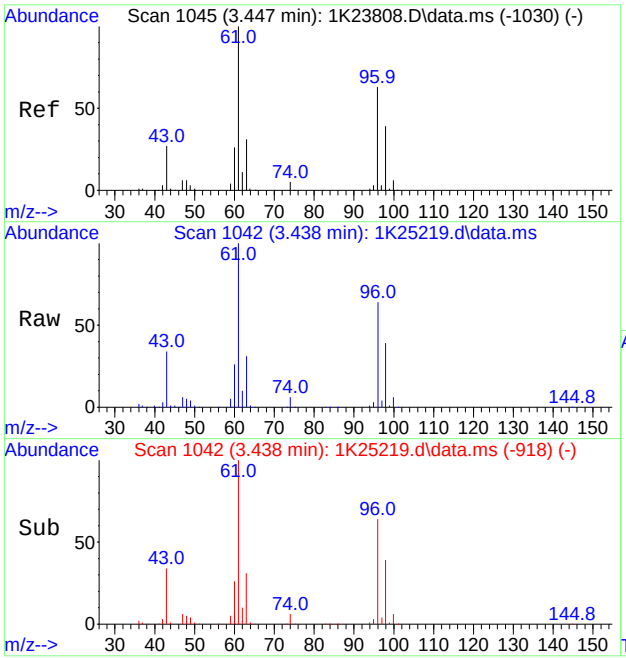


#24
methyl tert butyl ether
Concen: 43.7244 ug/L
RT: 3.499 min Scan# 1061
Delta R.T. 0.003 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion: 73 Resp: 974555

Ion	Ratio	Lower	Upper
73	100		
57	58.5	30.7	90.7
43	42.8	18.2	78.2

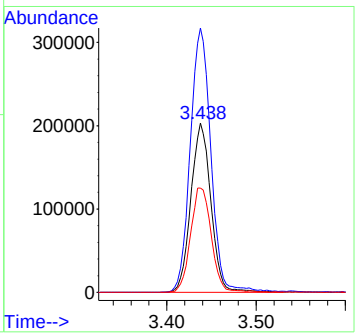


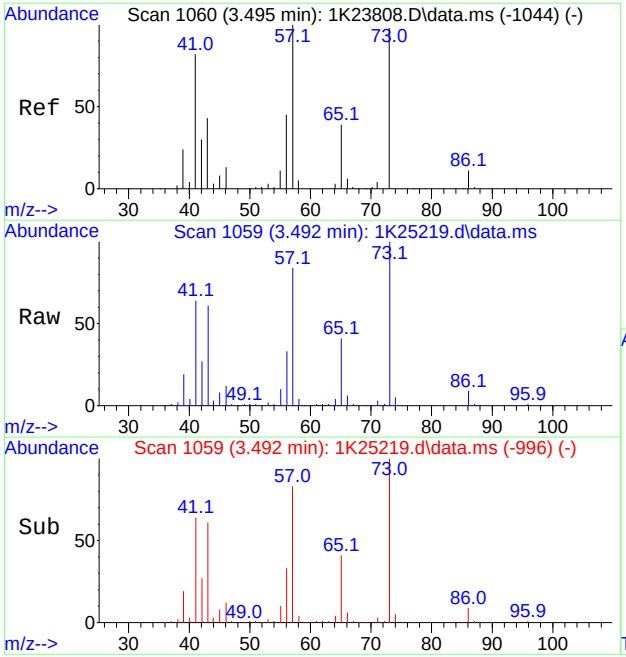


#25
trans-1,2-dichloroethene
Concen: 44.9729 ug/L
RT: 3.438 min Scan# 1042
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion: 96 Resp: 317827

Ion	Ratio	Lower	Upper
96	100		
61	156.1	128.8	188.8
98	61.5	32.4	92.4

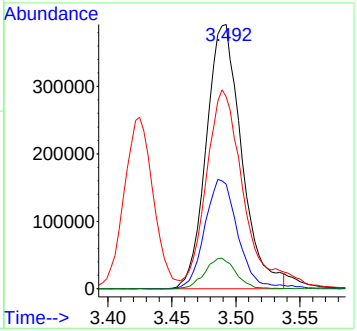


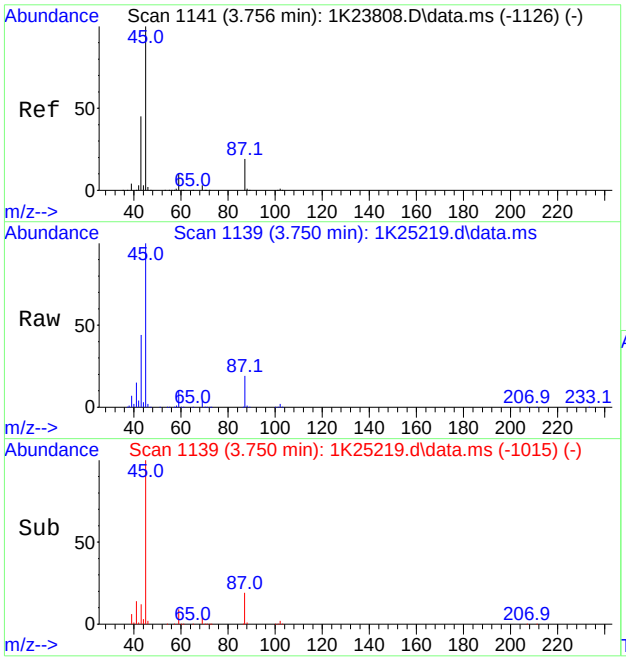


#26
hexane
Concen: 42.4430 ug/L
RT: 3.492 min Scan# 1059
Delta R.T. 0.003 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion: 57 Resp: 754260

Ion	Ratio	Lower	Upper
57	100		
56	39.6	24.9	64.9
43	66.2	50.9	90.9
86	10.4	0.0	31.2

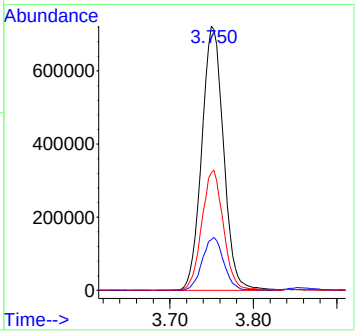


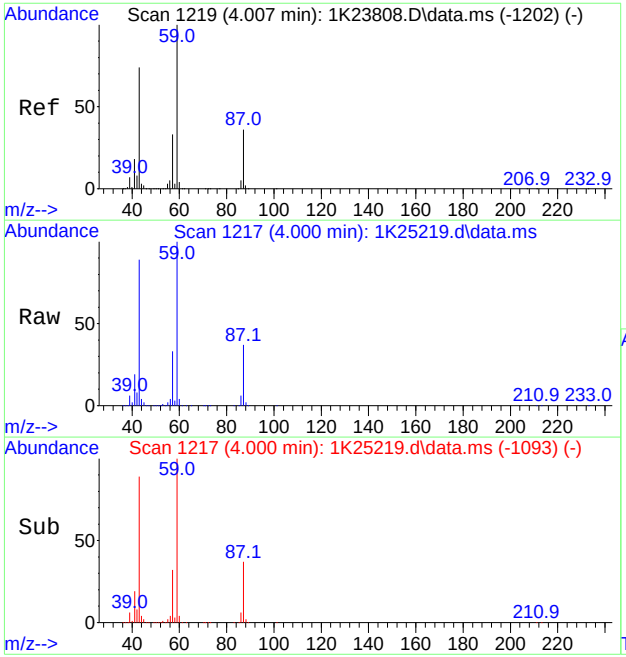


#27
di-isopropyl ether
Concen: 43.9011 ug/L
RT: 3.750 min Scan# 1139
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion: 45 Resp: 1312967

Ion	Ratio	Lower	Upper
45	100		
87	19.2	0.0	48.8
43	44.3	14.9	74.9

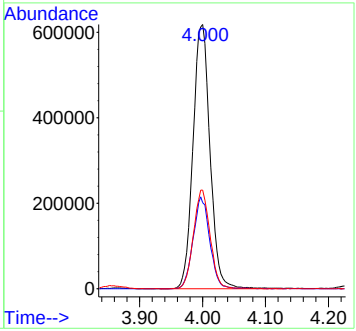


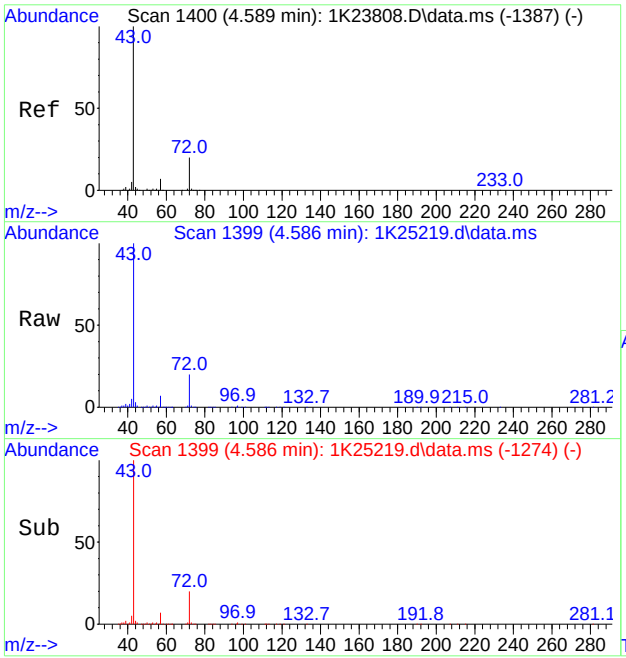


#28
ethyl tert-butyl ether
Concen: 43.9126 ug/L
RT: 4.000 min Scan# 1217
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion: 59 Resp: 1166204

Ion	Ratio	Lower	Upper
59	100		
57	32.5	2.6	62.6
87	37.3	5.8	65.8

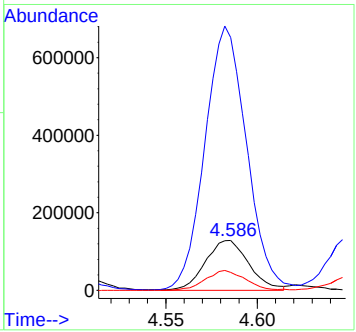


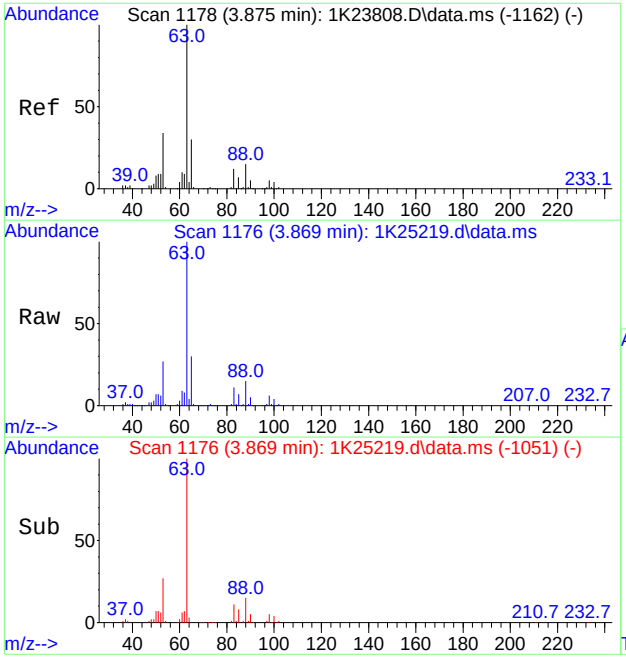


#29
2-butanone
Concen: 182.7057 ug/L
RT: 4.586 min Scan# 1399
Delta R.T. 0.003 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion: 72 Resp: 214127

Ion	Ratio	Lower	Upper
72	100		
43	508.7	475.4	535.4
57	36.1	5.7	65.7

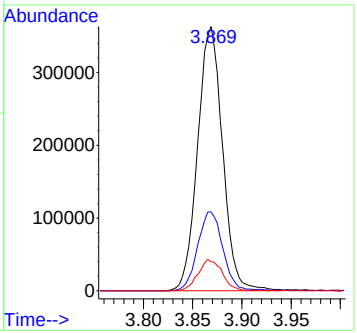


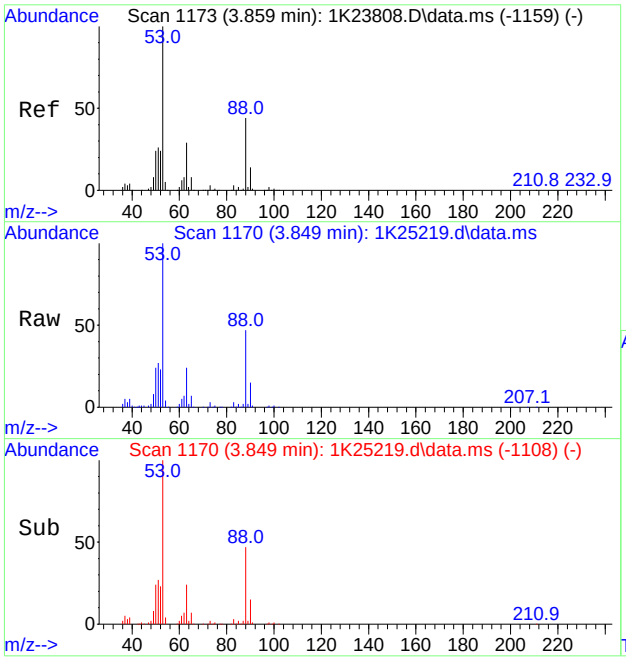


#30
1,1-dichloroethane
Concen: 45.4186 ug/L
RT: 3.869 min Scan# 1176
Delta R.T. 0.003 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion: 63 Resp: 639843

Ion	Ratio	Lower	Upper
63	100		
65	29.8	0.2	60.2
83	10.9	0.0	42.0

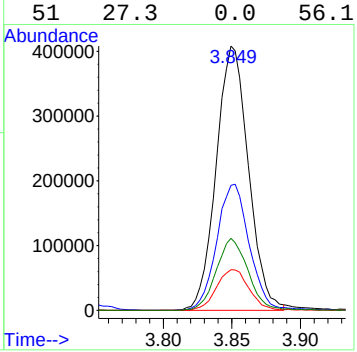


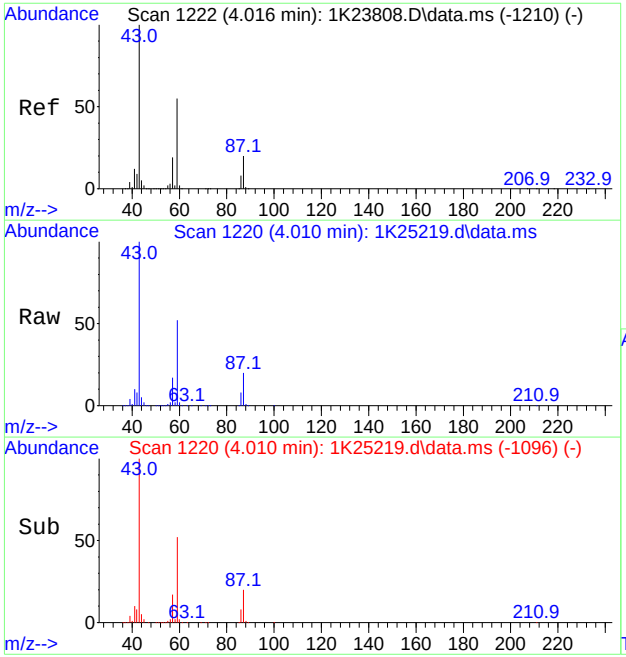


#31
chloroprene
Concen: 43.0603 ug/L
RT: 3.849 min Scan# 1170
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion: 53 Resp: 667736

Ion	Ratio	Lower	Upper
53	100		
88	47.2	13.8	73.8
90	15.4	0.0	44.2
51	27.3	0.0	56.1

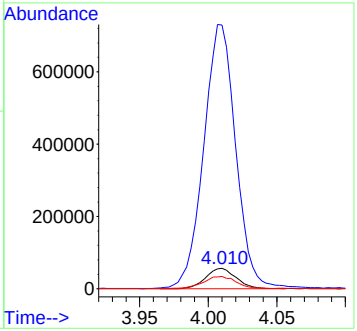


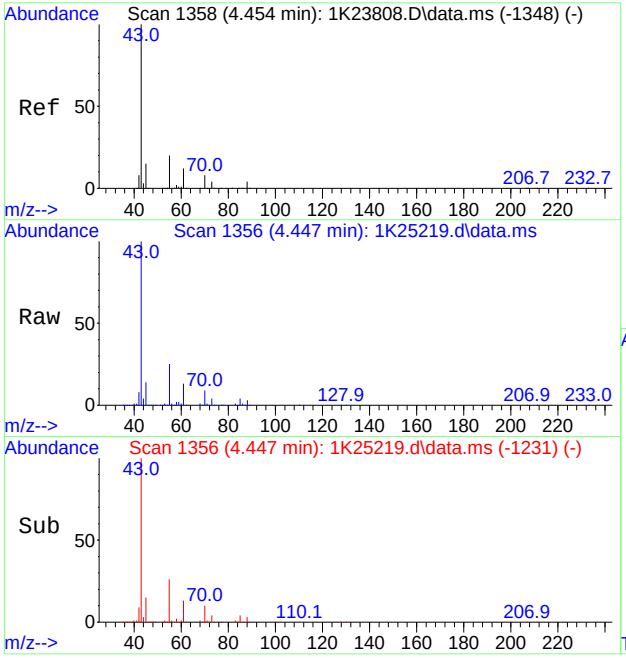


#33
vinyl acetate
Concen: 51.0860 ug/L
RT: 4.010 min Scan# 1220
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion: 86 Resp: 88091

Ion	Ratio	Lower	Upper
86	100		
43	1273.2	1252.8	1312.8
44	58.3	39.9	99.9

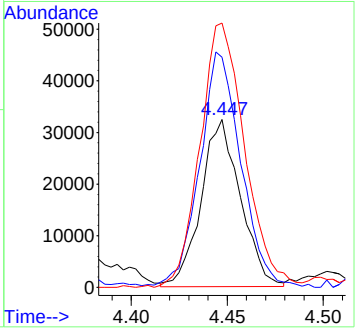


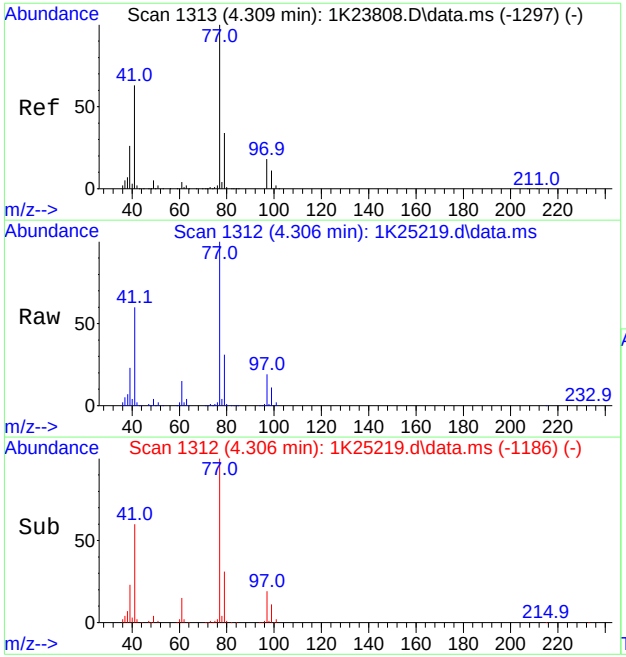


#34
ethyl acetate
Concen: 44.9279 ug/L
RT: 4.447 min Scan# 1356
Delta R.T. 0.003 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion: 70 Resp: 46229

Ion	Ratio	Lower	Upper
70	100		
61	137.7	124.4	184.4
45	160.6	156.4	216.4

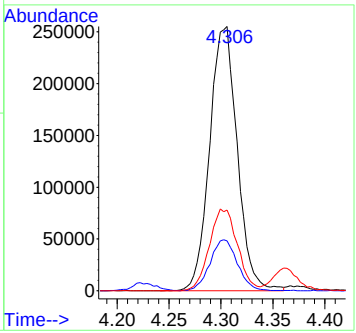


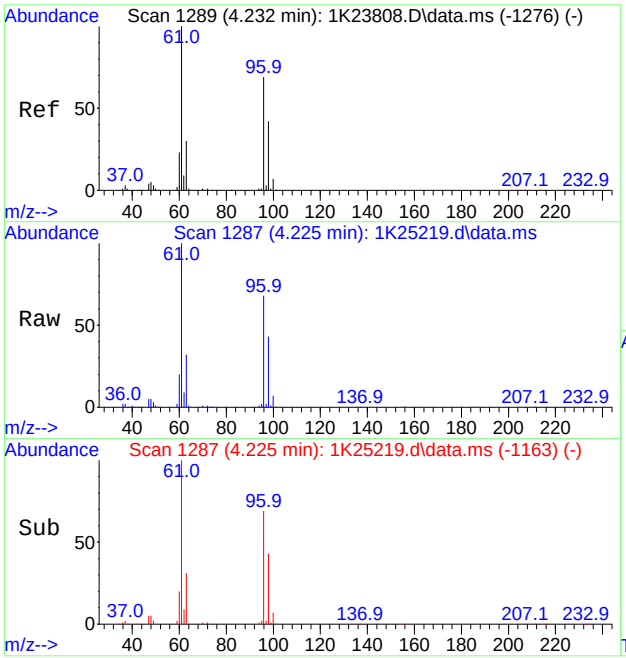


#35
2,2-dichloropropane
Concen: 40.5582 ug/L
RT: 4.306 min Scan# 1312
Delta R.T. 0.007 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion: 77 Resp: 471957

Ion	Ratio	Lower	Upper
77	100		
97	18.7	0.0	47.6
79	30.6	3.7	63.7

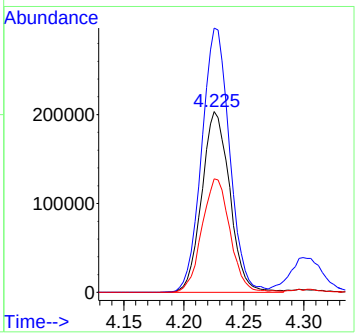


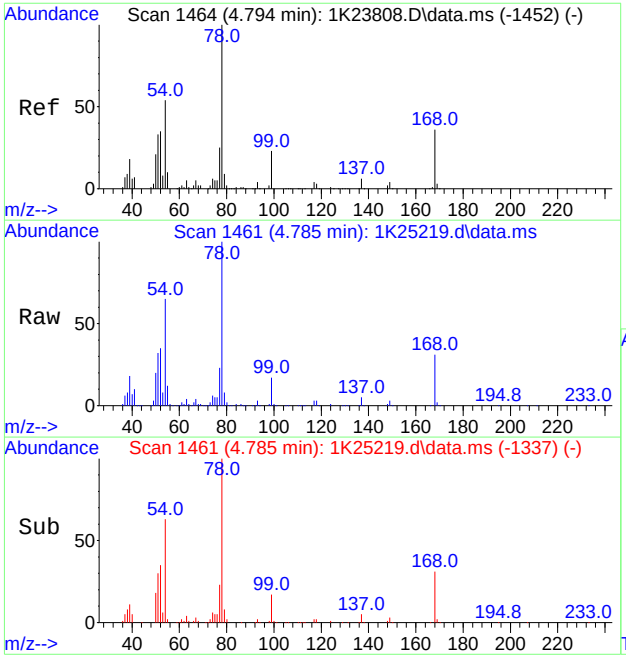


#36
cis-1,2-dichloroethene
Concen: 45.9125 ug/L
RT: 4.225 min Scan# 1287
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion: 96 Resp: 330392

Ion	Ratio	Lower	Upper
96	100		
61	146.2	114.3	174.3
98	62.8	30.5	90.5

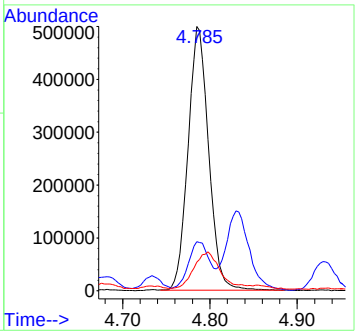


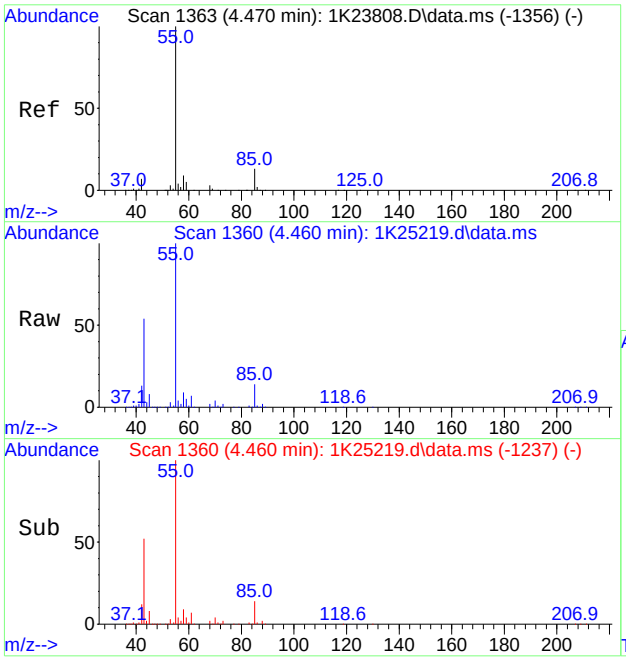


#37
propionitrile
Concen: 526.4962 ug/L
RT: 4.785 min Scan# 1461
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion: 54 Resp: 819317

Ion	Ratio	Lower	Upper
54	100		
55	18.1	0.0	50.4
40	10.0	0.0	41.8

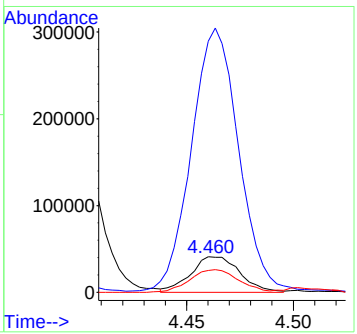


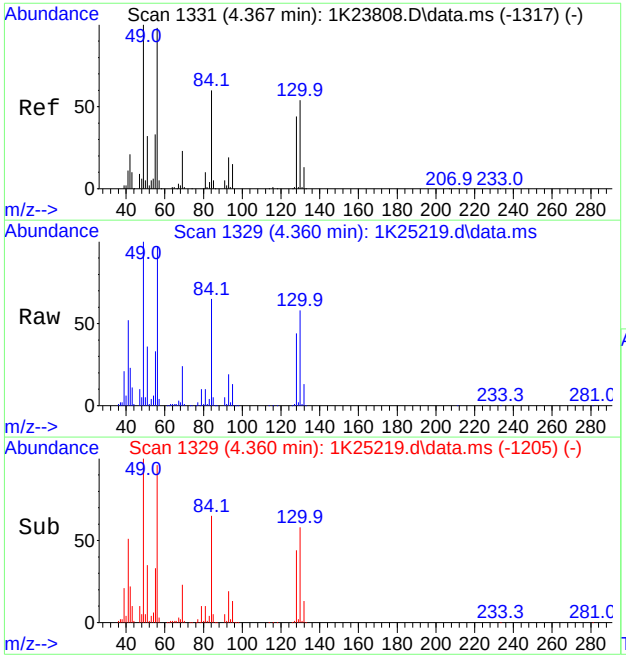


#38
methyl acrylate
Concen: 46.2732 ug/L
RT: 4.460 min Scan# 1360
Delta R.T. -0.003 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion: 85 Resp: 65367

Ion	Ratio	Lower	Upper
85	100		
55	709.1	717.8	757.8#
58	61.1	42.6	82.6

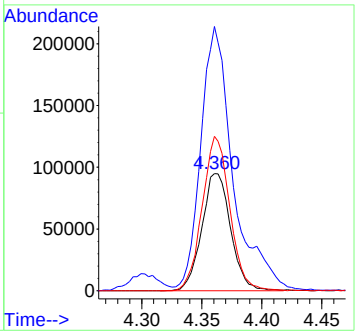


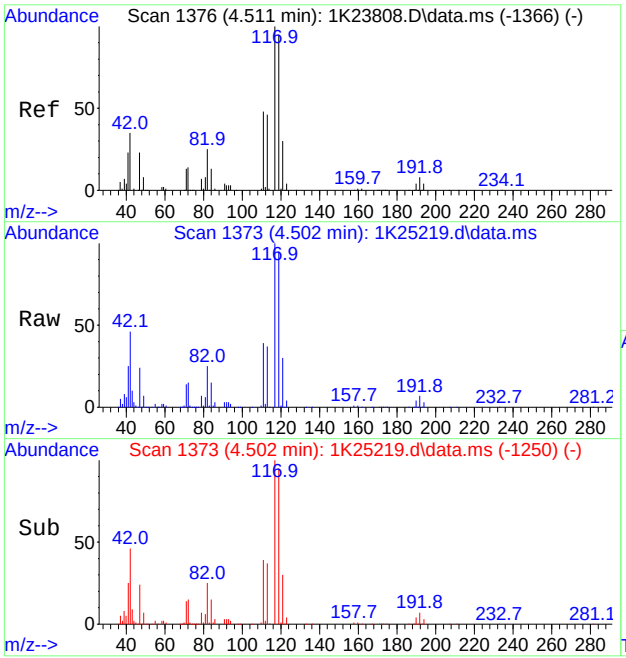


#39
bromochloromethane
Concen: 48.7363 ug/L
RT: 4.360 min Scan# 1329
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion:128 Resp: 158855

Ion	Ratio	Lower	Upper
128	100		
49	219.4	195.5	255.5
130	131.8	92.1	152.1

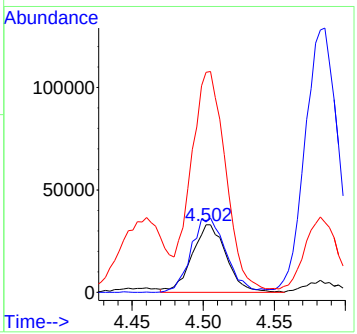


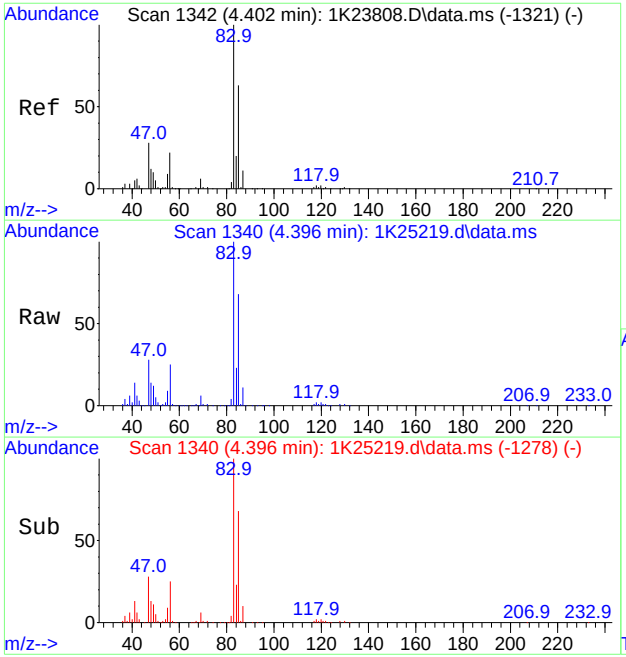


#40
tetrahydrofuran
Concen: 44.7048 ug/L
RT: 4.502 min Scan# 1373
Delta R.T. -0.003 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion: 71 Resp: 55379

Ion	Ratio	Lower	Upper
71	100		
72	103.4	76.4	136.4
42	316.1	297.7	357.7

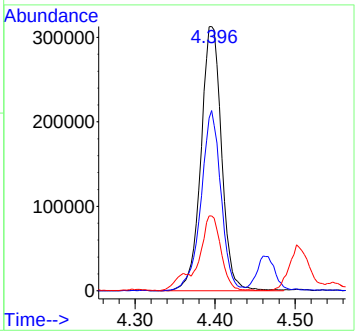


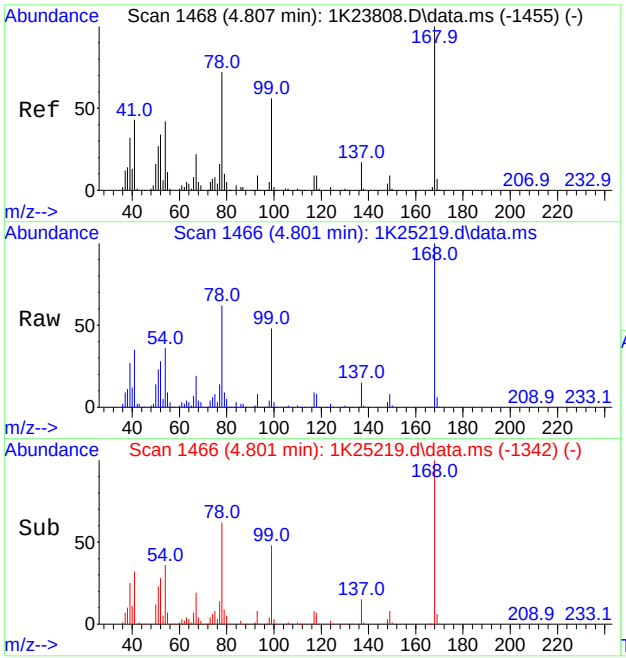


#41
chloroform
Concen: 41.5630 ug/L
RT: 4.396 min Scan# 1340
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion: 83 Resp: 560833

Ion	Ratio	Lower	Upper
83	100		
85	68.1	33.4	93.4
47	28.3	0.0	58.3

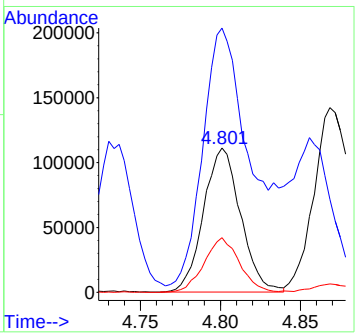


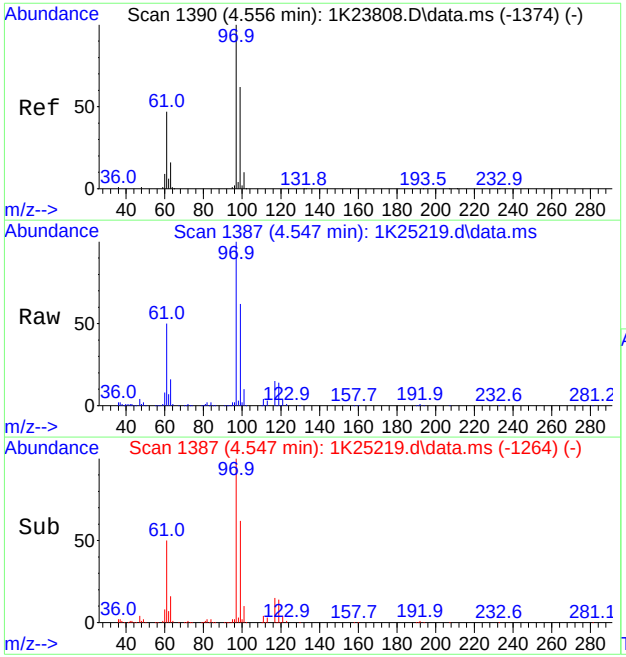


#43
methacrylonitrile
Concen: 43.0552 ug/L
RT: 4.801 min Scan# 1466
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion: 67 Resp: 179275

Ion	Ratio	Lower	Upper
67	100		
41	176.9	161.1	221.1
66	38.0	3.7	63.7

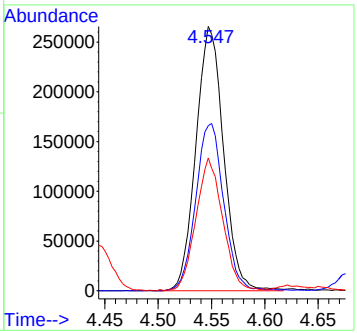


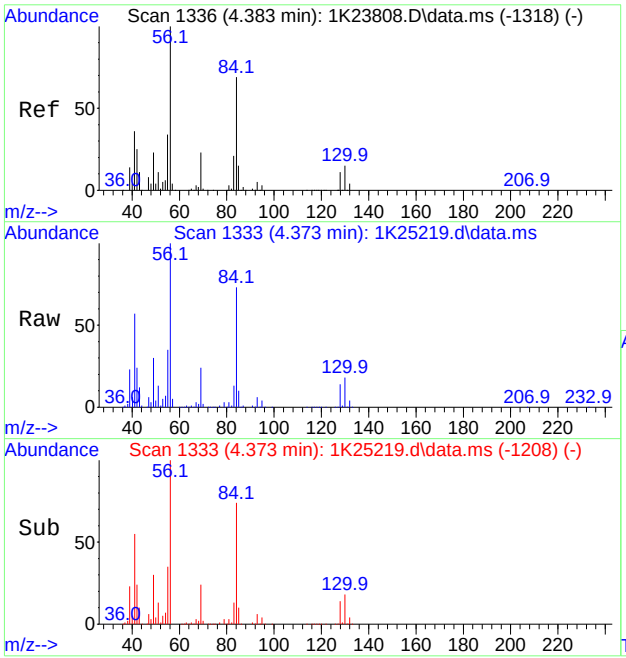


#44
1,1,1-trichloroethane
Concen: 41.4932 ug/L
RT: 4.547 min Scan# 1387
Delta R.T. -0.003 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion: 97 Resp: 479154

Ion	Ratio	Lower	Upper
97	100		
99	62.3	32.1	92.1
61	49.7	16.3	76.3

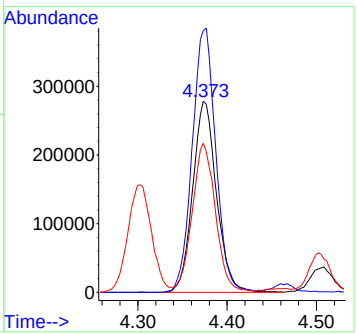


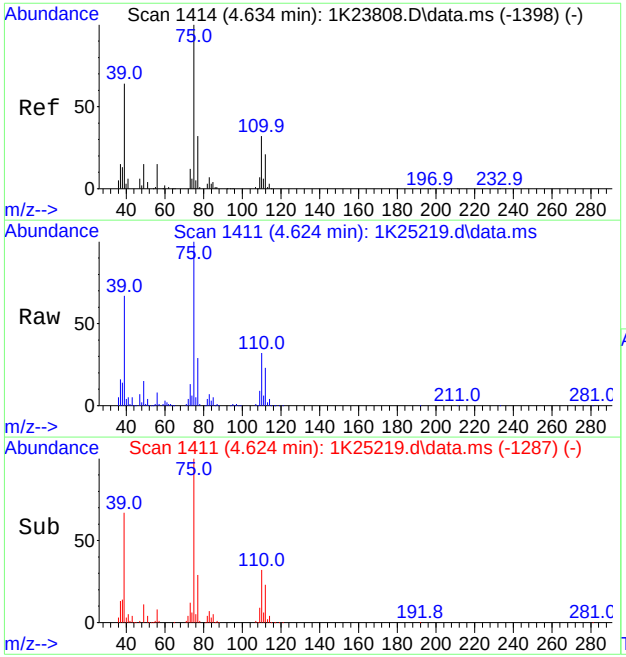


#45
cyclohexane
Concen: 50.7224 ug/L
RT: 4.373 min Scan# 1333
Delta R.T. 0.003 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion: 84 Resp: 515135

Ion	Ratio	Lower	Upper
84	100		
56	136.8	124.1	164.1
41	76.1	58.3	98.3

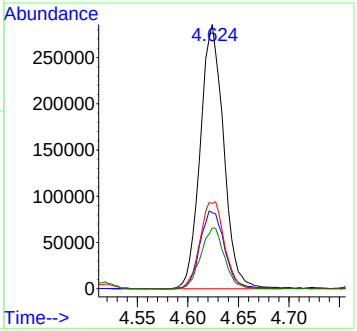


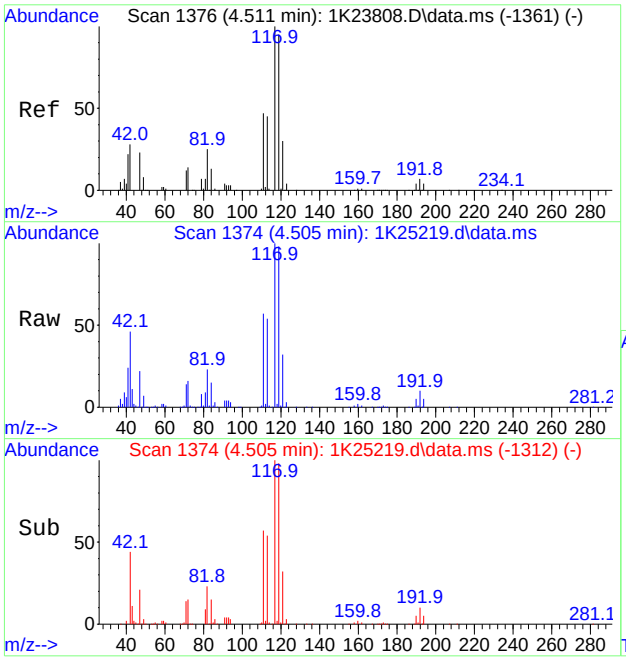


#46
1,1-dichloropropene
Concen: 45.4659 ug/L
RT: 4.624 min Scan# 1411
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion: 75 Resp: 461247

Ion	Ratio	Lower	Upper
75	100		
77	28.7	12.0	52.0
110	32.3	12.3	52.3
112	23.0	0.8	40.8

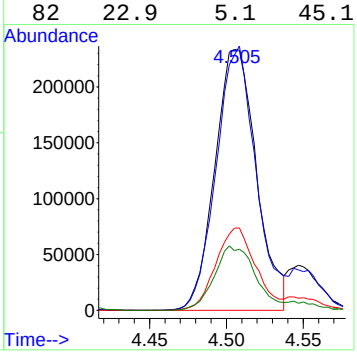


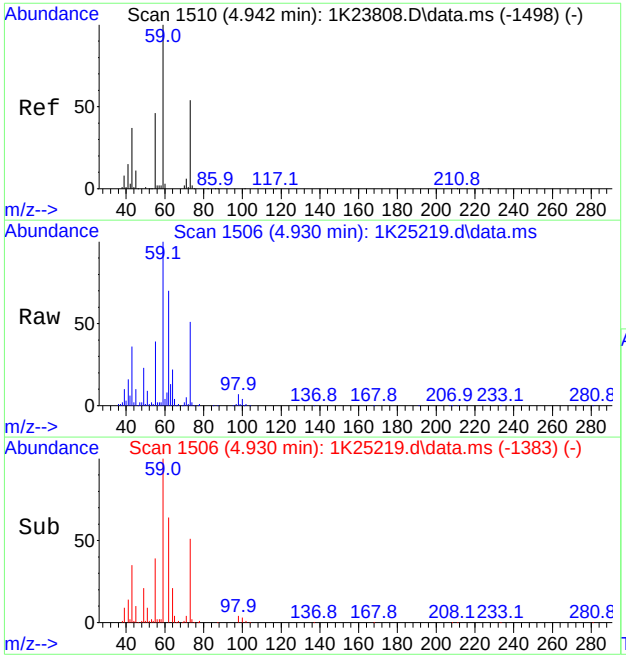


#47
carbon tetrachloride
Concen: 41.0313 ug/L
RT: 4.505 min Scan# 1374
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion:117 Resp: 440014

Ion	Ratio	Lower	Upper
117	100		
119	97.6	74.6	114.6
121	31.5	9.9	49.9
82	22.9	5.1	45.1

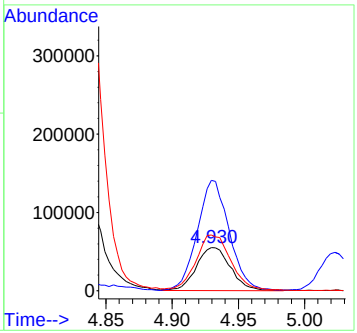


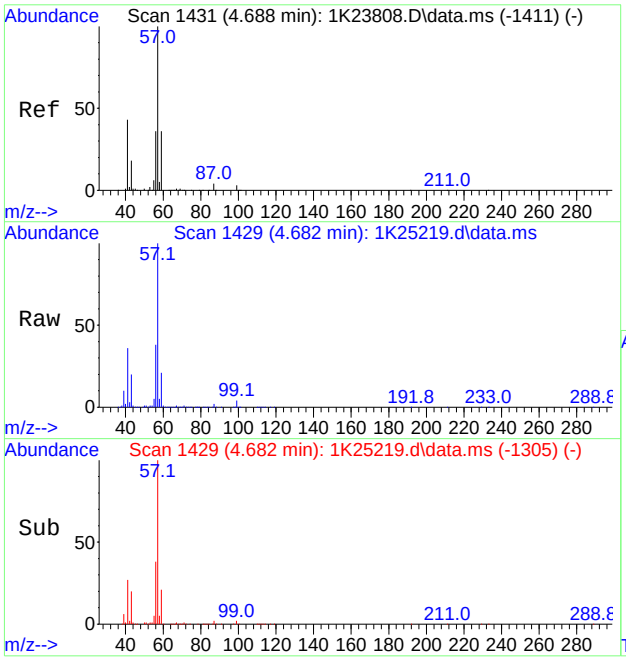


#49
tert-amyl alcohol
Concen: 279.2728 ug/L
RT: 4.930 min Scan# 1506
Delta R.T. -0.003 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion: 55 Resp: 98938

Ion	Ratio	Lower	Upper
55	100		
59	256.1	194.2	234.2#
73	128.5	101.1	141.1

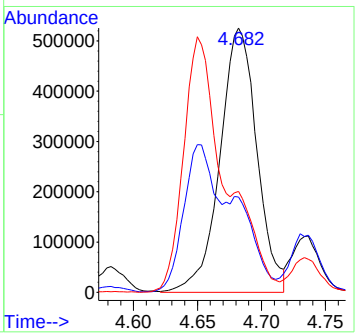


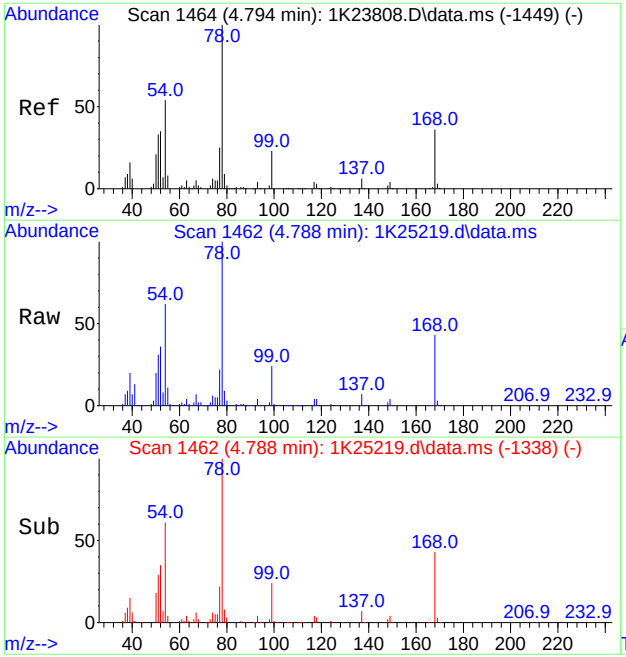


#52
iso-octane
Concen: 38.1303 ug/L
RT: 4.682 min Scan# 1429
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion: 57 Resp: 1059209

Ion	Ratio	Lower	Upper
57	100		
41	34.8	22.7	62.7
56	36.5	16.1	56.1

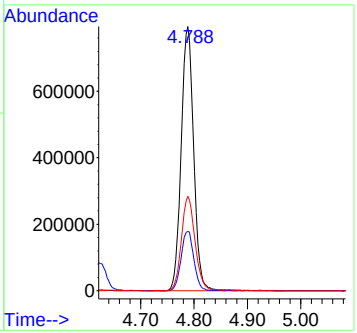


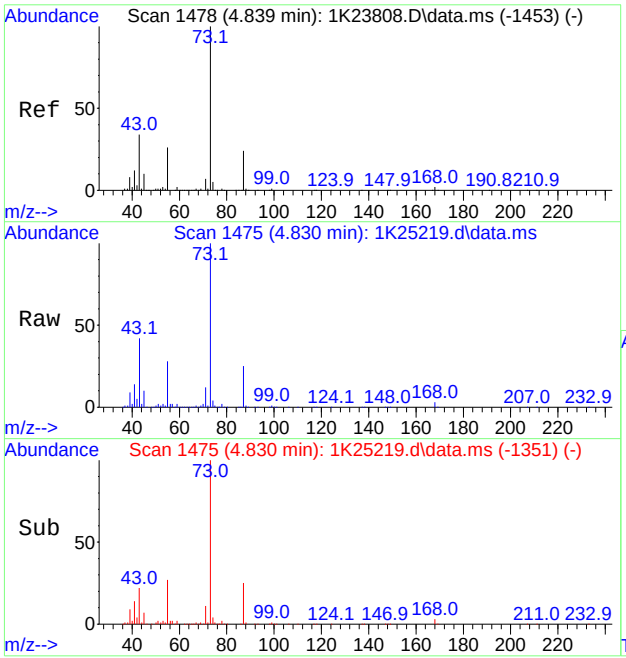


#53
benzene
Concen: 45.5147 ug/L
RT: 4.788 min Scan# 1462
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion: 78 Resp: 1293575

Ion	Ratio	Lower	Upper
78	100		
77	22.5	0.0	54.5
52	35.7	5.0	65.0

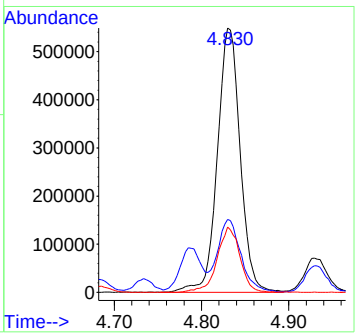


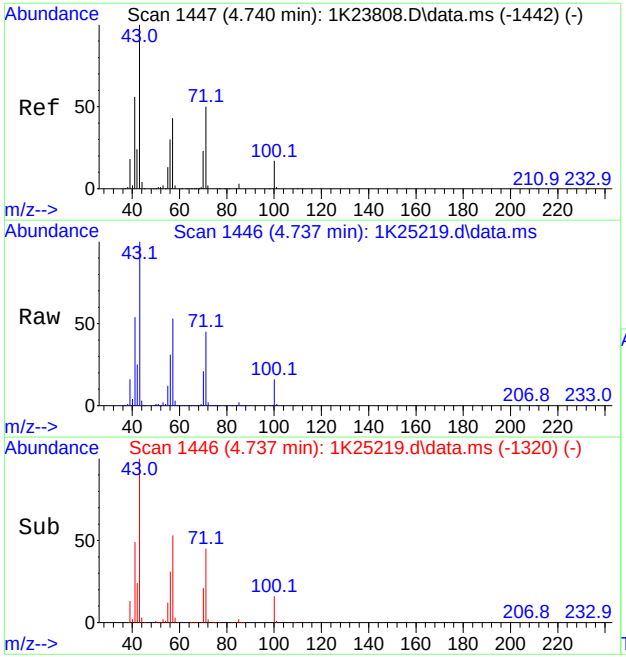


#54
tert-amyl methyl ether
Concen: 42.8735 ug/L
RT: 4.830 min Scan# 1475
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion: 73 Resp: 999212

Ion	Ratio	Lower	Upper
73	100		
55	27.3	7.0	47.0
87	24.7	4.4	44.4

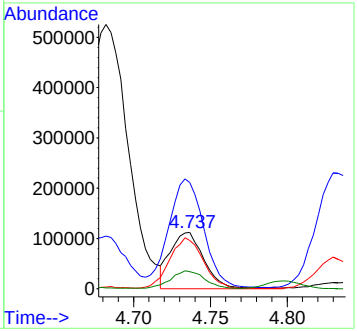


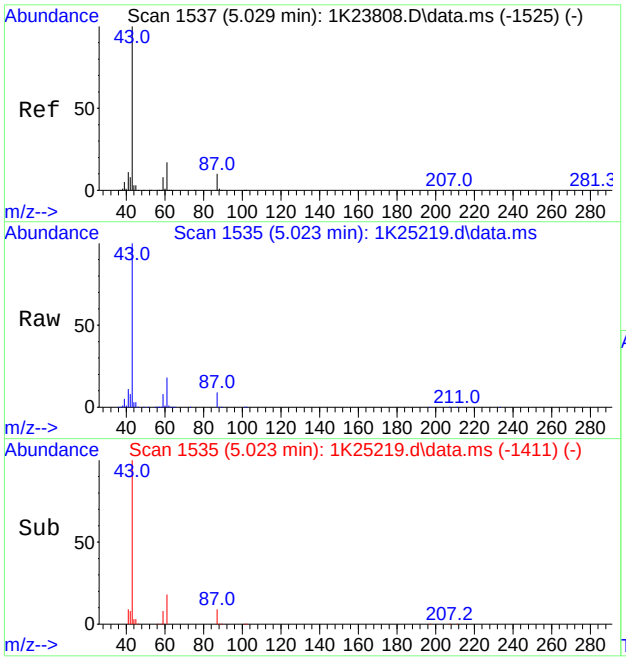


#55
heptane
Concen: 40.6173 ug/L
RT: 4.737 min Scan# 1446
Delta R.T. 0.007 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion: 57 Resp: 171747

Ion	Ratio	Lower	Upper
57	100		
43	186.0	165.6	225.6
71	85.4	61.2	121.2
100	23.8	0.0	55.6

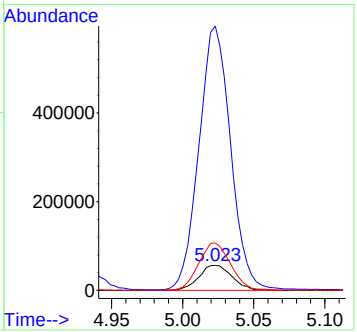


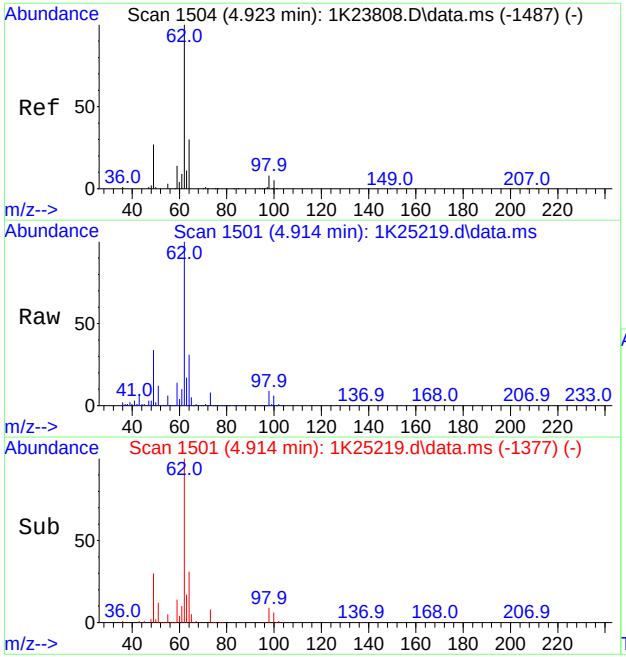


#56
isopropyl acetate
Concen: 43.4819 ug/L
RT: 5.023 min Scan# 1535
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion: 87 Resp: 91762

Ion	Ratio	Lower	Upper
87	100		
43	1057.7	998.2	1058.2
61	189.8	147.0	207.0

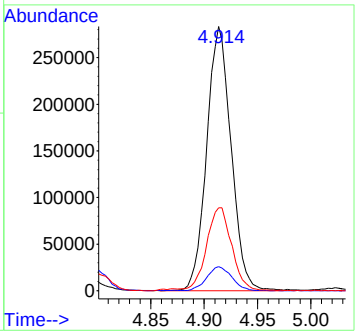


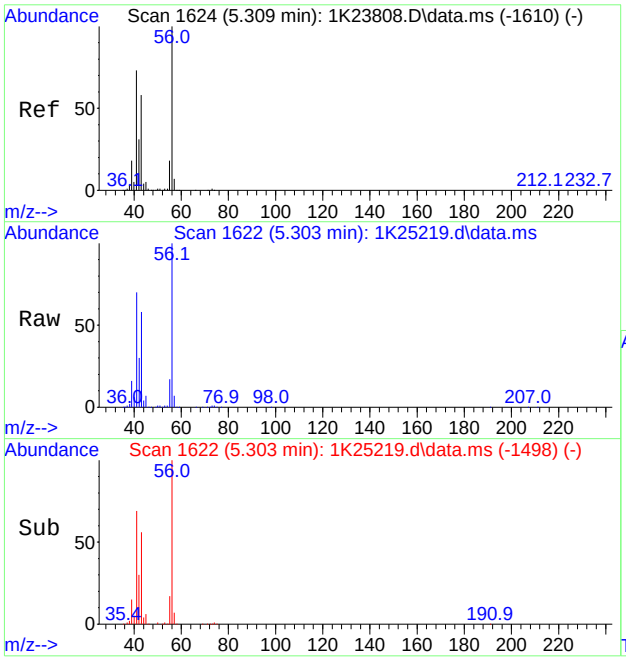


#57
1,2-dichloroethane
Concen: 39.4323 ug/L
RT: 4.914 min Scan# 1501
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion: 62 Resp: 452186

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	38.3
64	31.3	0.4	60.4

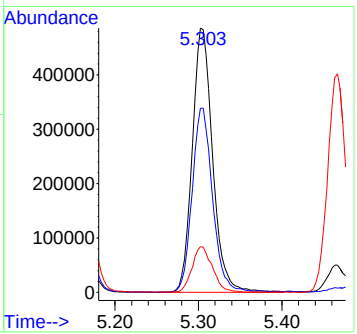


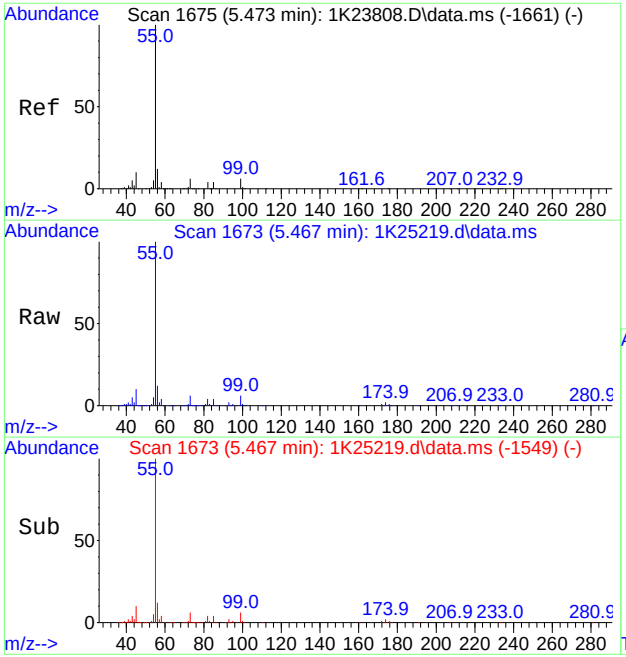


#58
n-butyl alcohol
Concen: 4129.8521 ug/L
RT: 5.303 min Scan# 1622
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion: 56 Resp: 826148

Ion	Ratio	Lower	Upper
56	100		
41	69.5	53.5	93.5
55	17.2	0.0	38.0

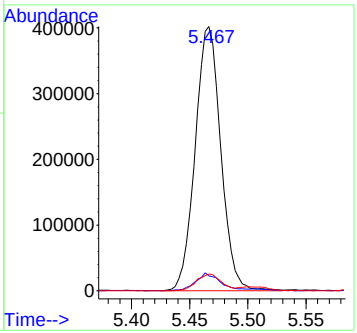


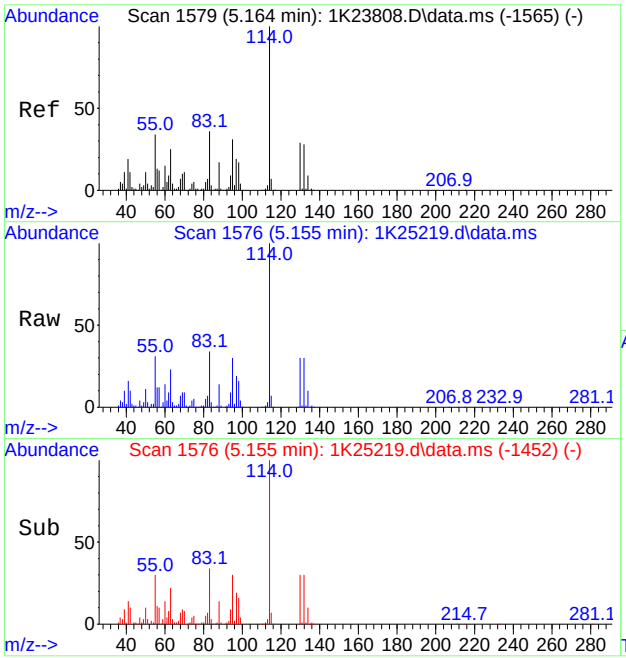


#59
ethyl acrylate
Concen: 43.5239 ug/L
RT: 5.467 min Scan# 1673
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion: 55 Resp: 616752

Ion	Ratio	Lower	Upper
55	100		
73	5.5	0.0	35.8
99	6.4	0.0	35.9

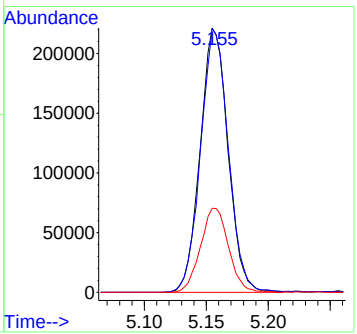


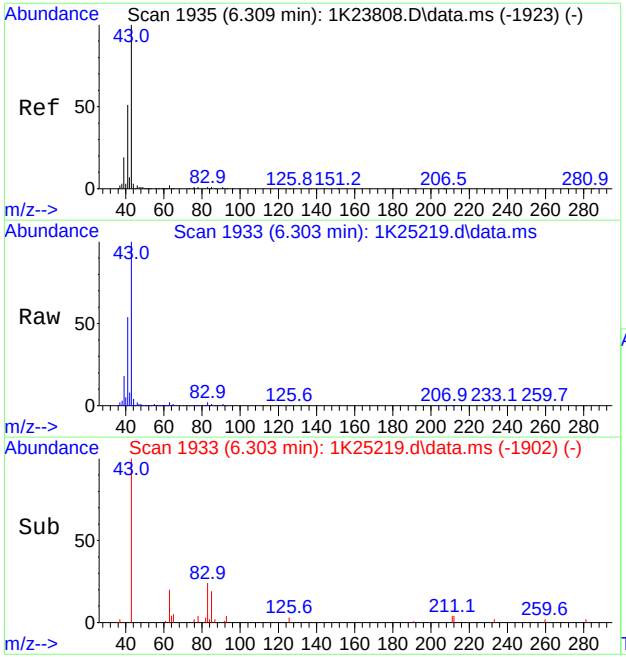


#60
trichloroethene
Concen: 48.5180 ug/L
RT: 5.155 min Scan# 1576
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion:130 Resp: 346058

Ion	Ratio	Lower	Upper
130	100		
132	100.1	66.4	126.4
134	31.9	0.0	59.6

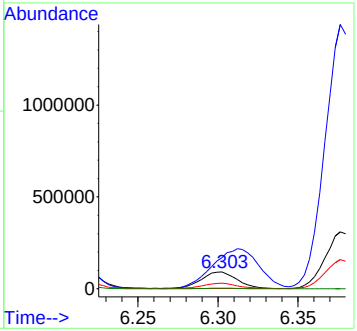


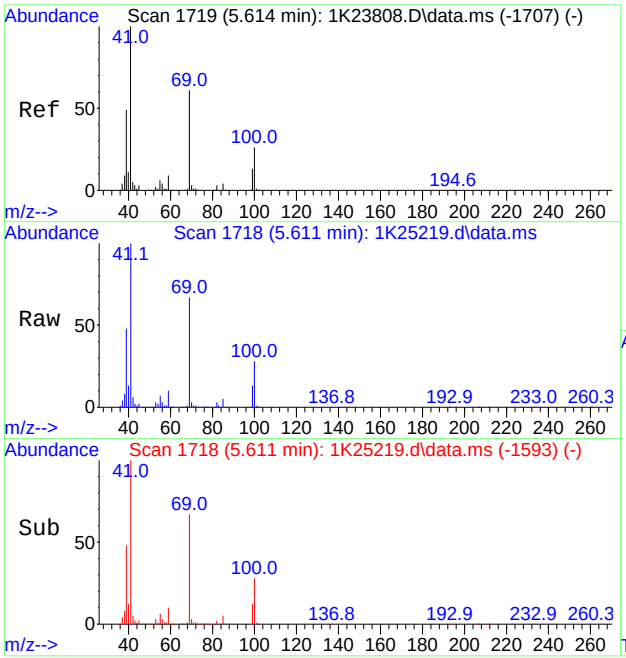


#61
2-nitropropane
Concen: 40.7535 ug/L
RT: 6.303 min Scan# 1933
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion: 41 Resp: 139405

Ion	Ratio	Lower	Upper
41	100		
43	186.0	164.7	224.7
39	33.0	6.3	66.3
46	3.7	0.0	33.8

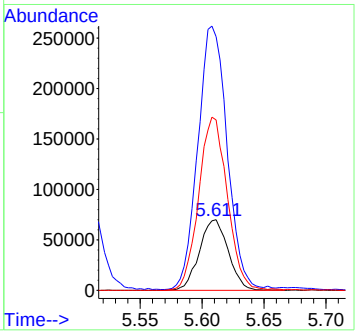


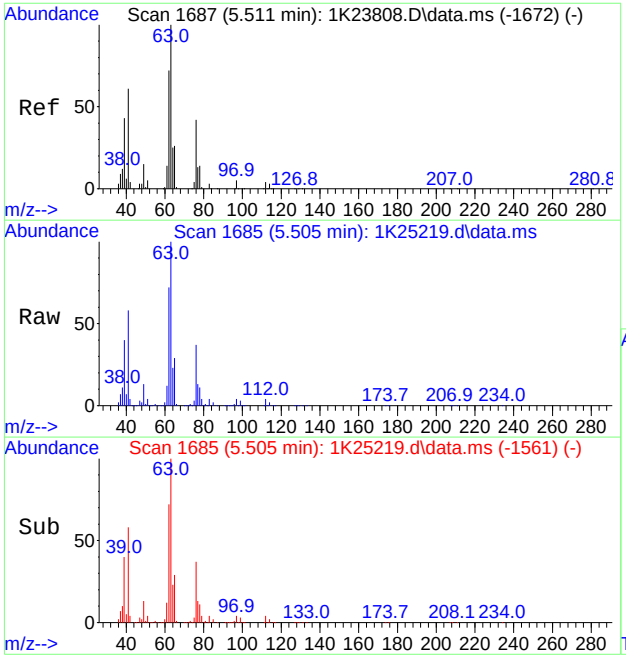


#63
methyl methacrylate
Concen: 45.8512 ug/L
RT: 5.611 min Scan# 1718
Delta R.T. 0.003 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion:100 Resp: 113860

Ion	Ratio	Lower	Upper
100	100		
41	357.6	352.7	412.7
69	240.7	201.8	261.8

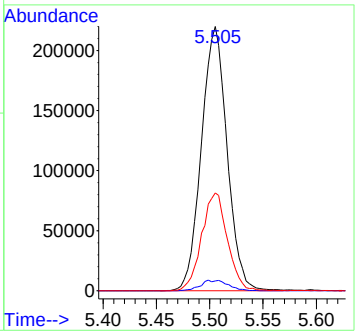


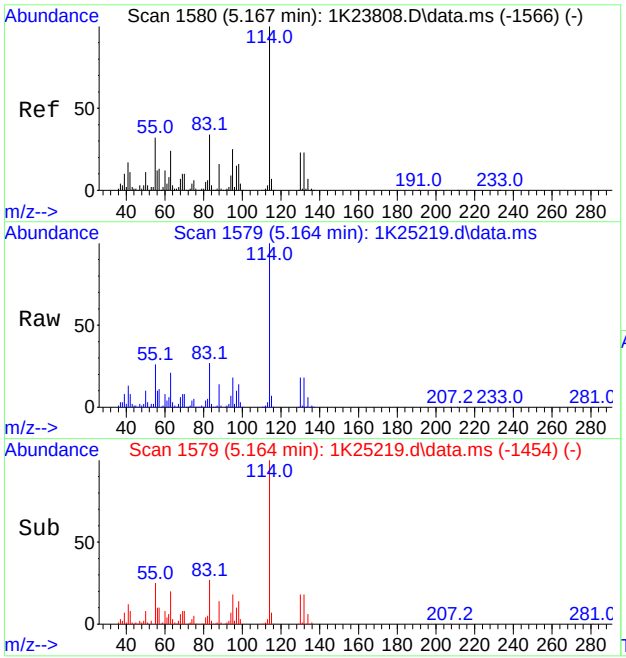


#64
1,2-dichloropropane
Concen: 46.7047 ug/L
RT: 5.505 min Scan# 1685
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion: 63 Resp: 368945

Ion	Ratio	Lower	Upper
63	100		
112	3.7	0.0	34.3
76	37.0	11.5	71.5

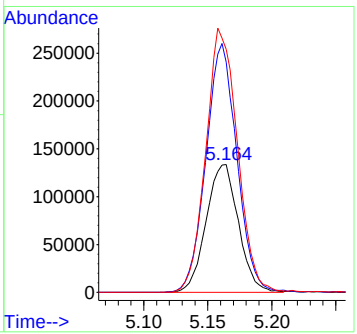


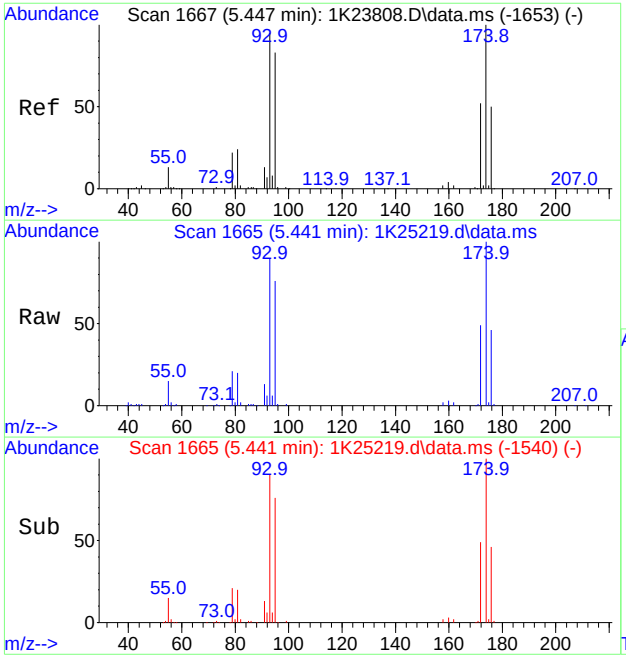


#65
methylcyclohexane
Concen: 45.4017 ug/L
RT: 5.164 min Scan# 1579
Delta R.T. 0.003 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion: 98 Resp: 234411

Ion	Ratio	Lower	Upper
98	100		
55	180.0	162.4	222.4
83	190.0	177.4	237.4

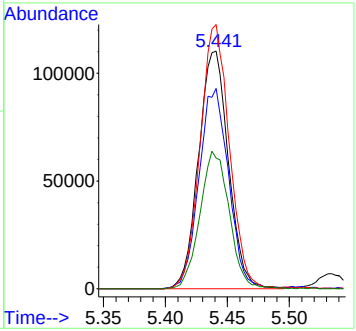


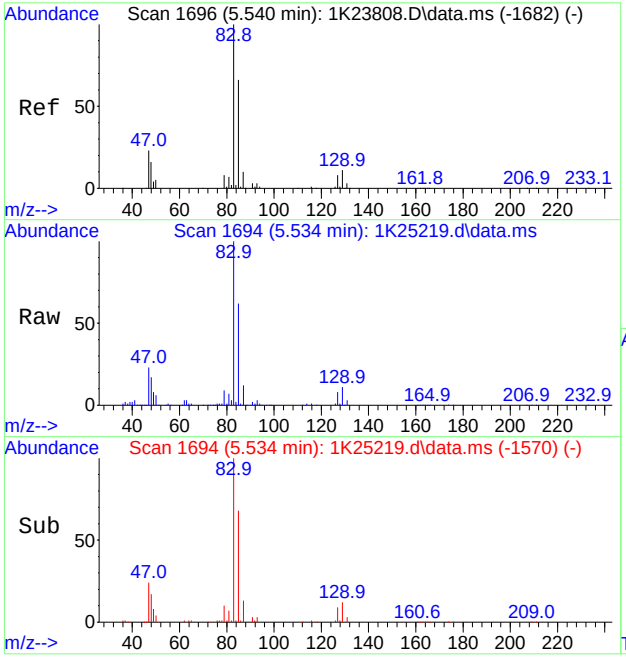


#66
dibromomethane
Concen: 43.3514 ug/L
RT: 5.441 min Scan# 1665
Delta R.T. 0.003 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion: 93 Resp: 185085

Ion	Ratio	Lower	Upper
93	100		
95	84.4	57.5	117.5
174	111.3	75.1	135.1
172	55.0	34.2	74.2

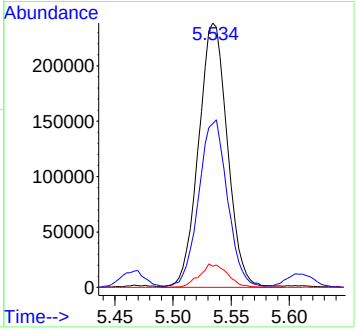


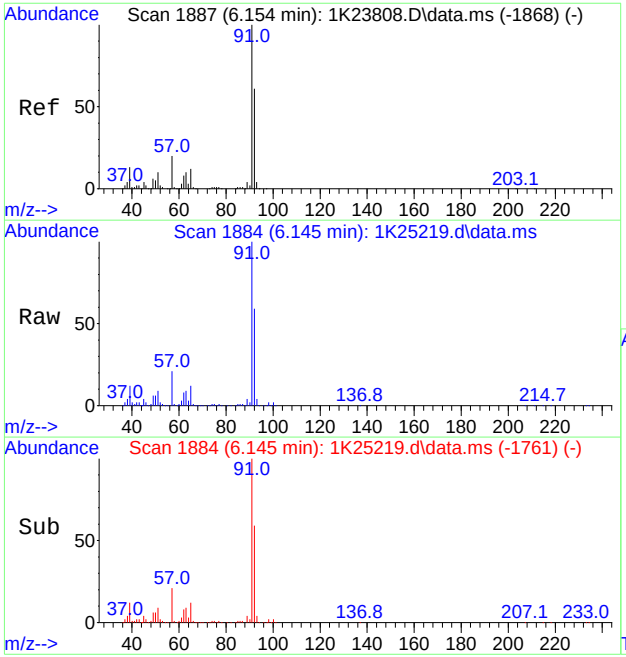


#67
bromodichloromethane
Concen: 42.6964 ug/L
RT: 5.534 min Scan# 1694
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion: 83 Resp: 411755

Ion	Ratio	Lower	Upper
83	100		
85	61.4	35.5	95.5
127	8.0	0.0	37.9

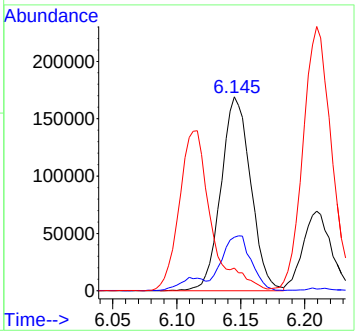


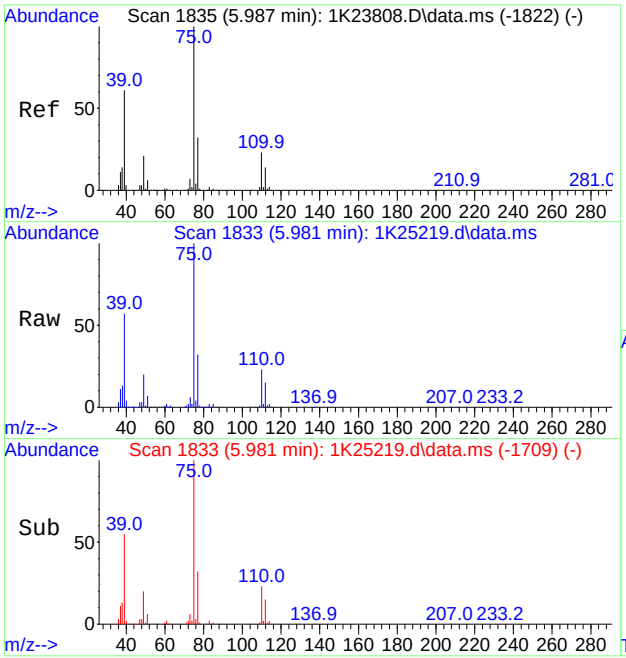


#68
epichlorohydrin
Concen: 234.7442 ug/L
RT: 6.145 min Scan# 1884
Delta R.T. -0.003 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion: 57 Resp: 272751

Ion	Ratio	Lower	Upper
57	100		
49	27.4	8.2	48.2
42	8.6	0.0	27.5

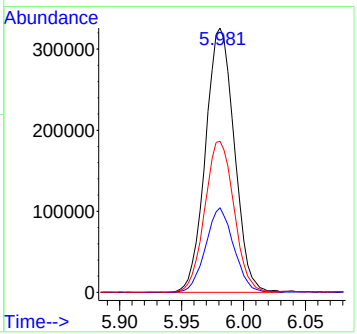


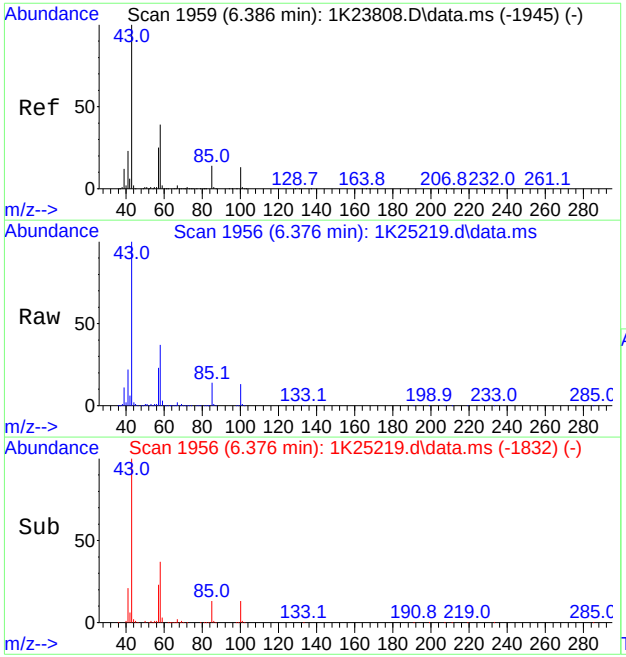


#69
cis-1,3-dichloropropene
Concen: 44.7668 ug/L
RT: 5.981 min Scan# 1833
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion: 75 Resp: 527887

Ion	Ratio	Lower	Upper
75	100		
77	32.0	2.2	62.2
39	57.0	31.6	91.6

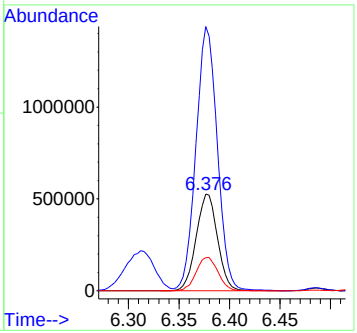


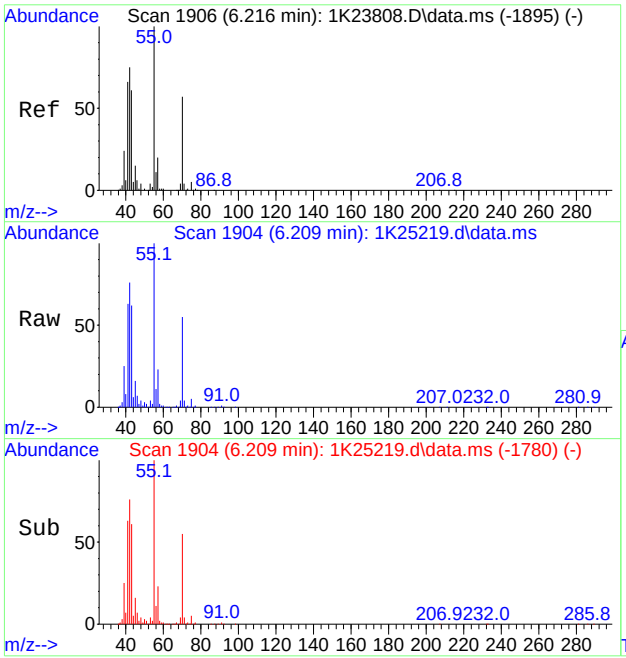


#70
4-methyl-2-pentanone
Concen: 170.9551 ug/L
RT: 6.376 min Scan# 1956
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion: 58 Resp: 774305

Ion	Ratio	Lower	Upper
58	100		
43	273.1	235.3	295.3
100	34.3	2.2	62.2

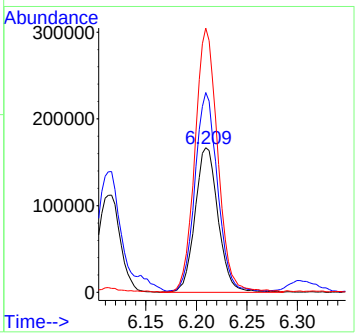


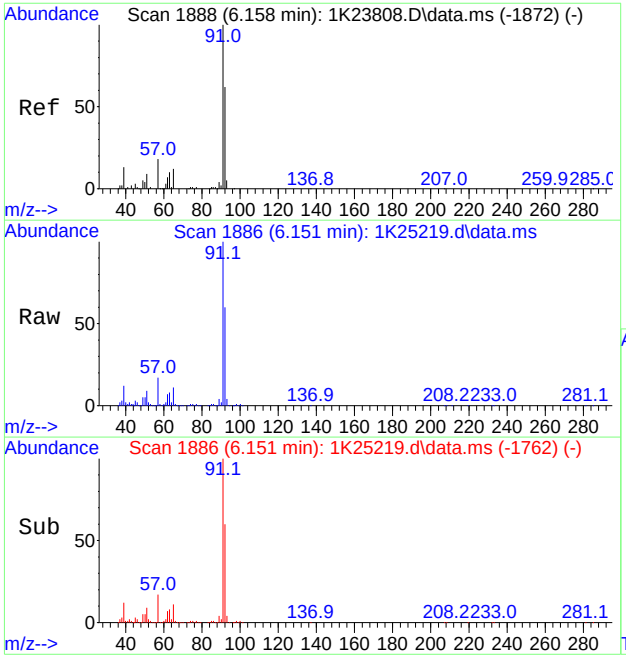


#71
3-methyl-1-butanol
Concen: 1298.5866 ug/L
RT: 6.209 min Scan# 1904
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion: 70 Resp: 266195

Ion	Ratio	Lower	Upper
70	100		
42	135.5	103.4	163.4
55	183.0	146.9	206.9

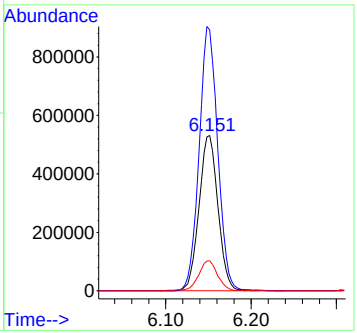


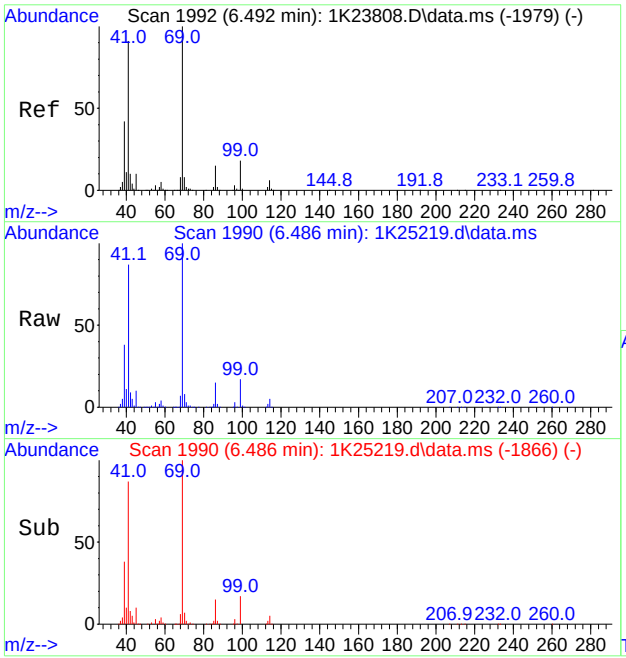


#74
toluene
Concen: 45.0221 ug/L
RT: 6.151 min Scan# 1886
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion: 92 Resp: 816314

Ion	Ratio	Lower	Upper
92	100		
91	167.9	140.0	180.0
65	19.3	0.0	39.6

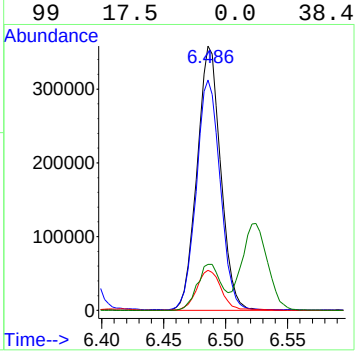


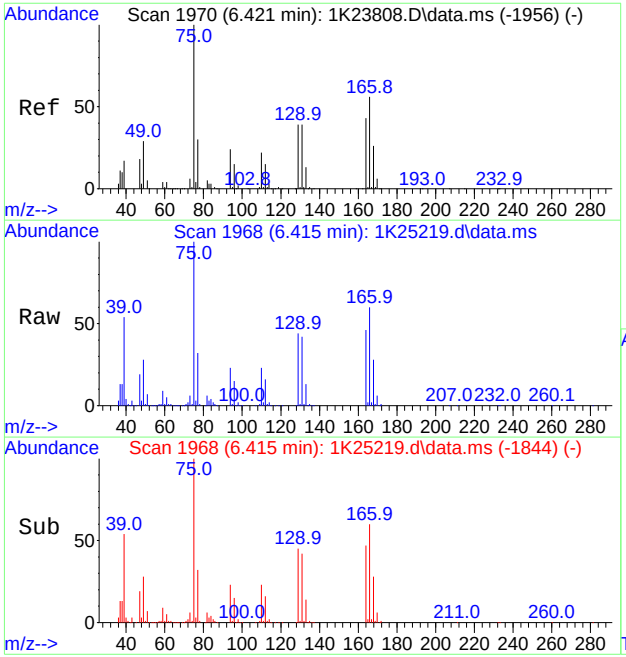


#75
ethyl methacrylate
Concen: 44.6194 ug/L
RT: 6.486 min Scan# 1990
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion: 69 Resp: 474641

Ion	Ratio	Lower	Upper
69	100		
41	86.9	71.2	111.2
86	15.2	0.0	35.1
99	17.5	0.0	38.4

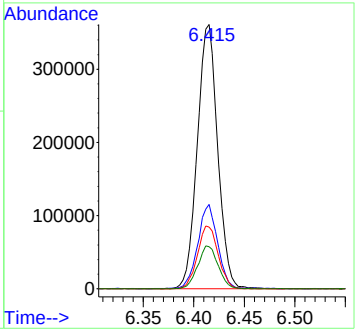


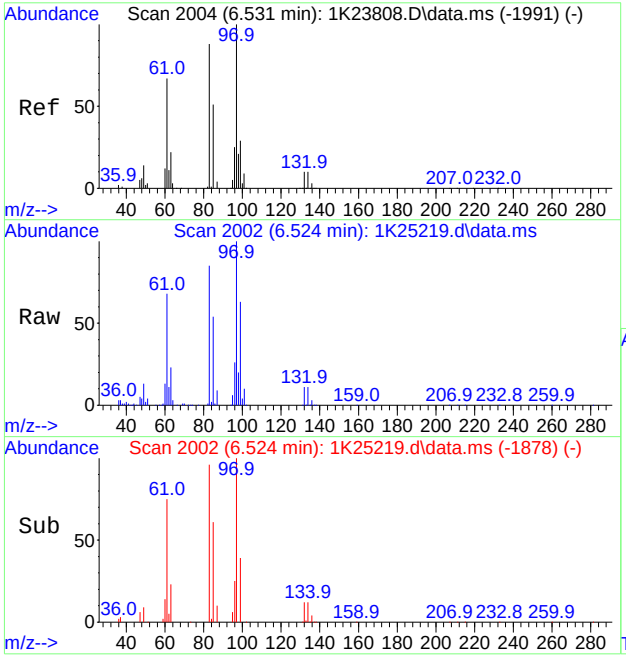


#76
trans-1,3-dichloropropene
Concen: 43.1905 ug/L
RT: 6.415 min Scan# 1968
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion: 75 Resp: 507368

Ion	Ratio	Lower	Upper
75	100		
77	31.9	10.4	50.4
110	23.4	2.4	42.4
112	16.0	0.0	34.7

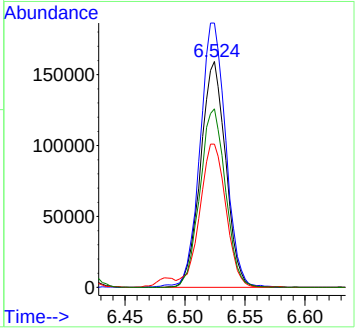


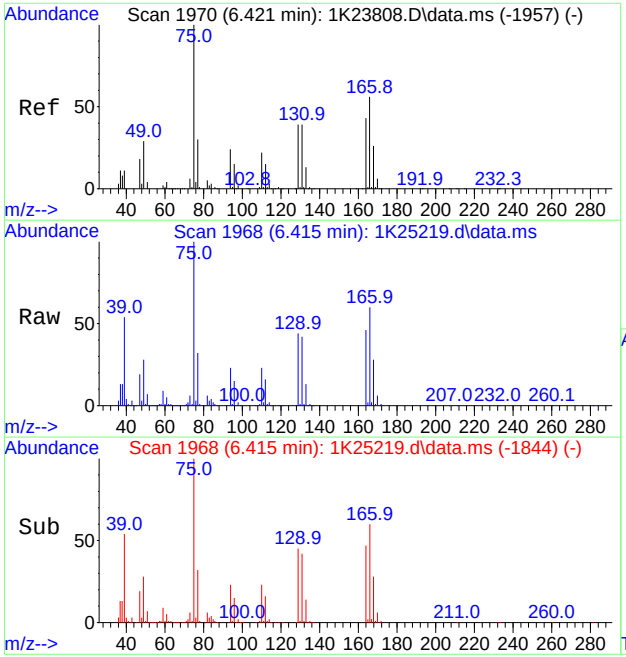


#77
1,1,2-trichloroethane
Concen: 45.1875 ug/L
RT: 6.524 min Scan# 2002
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion: 83 Resp: 232113

Ion	Ratio	Lower	Upper
83	100		
97	116.8	94.4	134.4
85	63.2	41.5	81.5
61	79.0	56.0	96.0

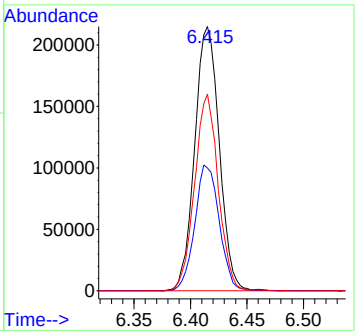


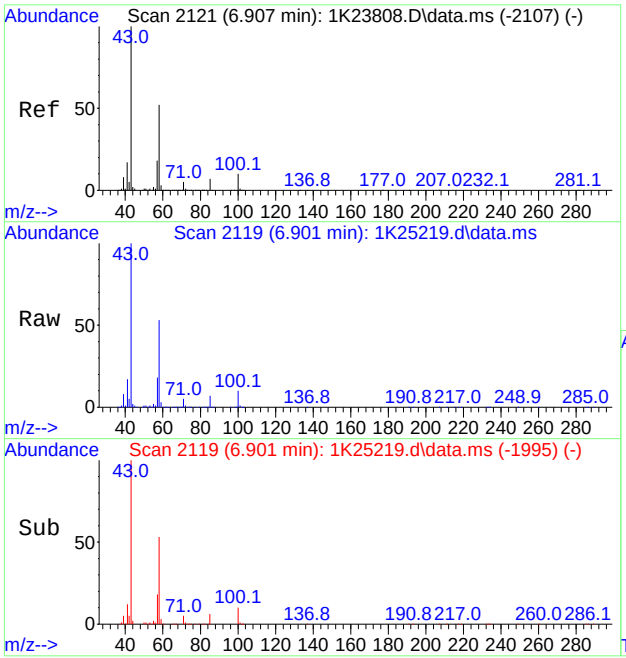


#78
tetrachloroethene
Concen: 46.0938 ug/L
RT: 6.415 min Scan# 1968
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion:166 Resp: 324685

Ion	Ratio	Lower	Upper
166	100		
168	46.5	17.0	77.0
129	74.4	39.8	99.8

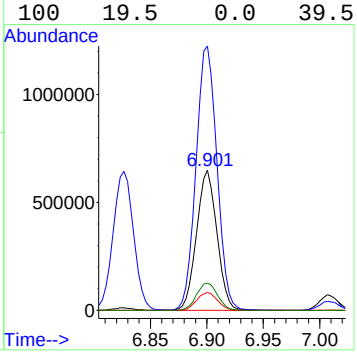


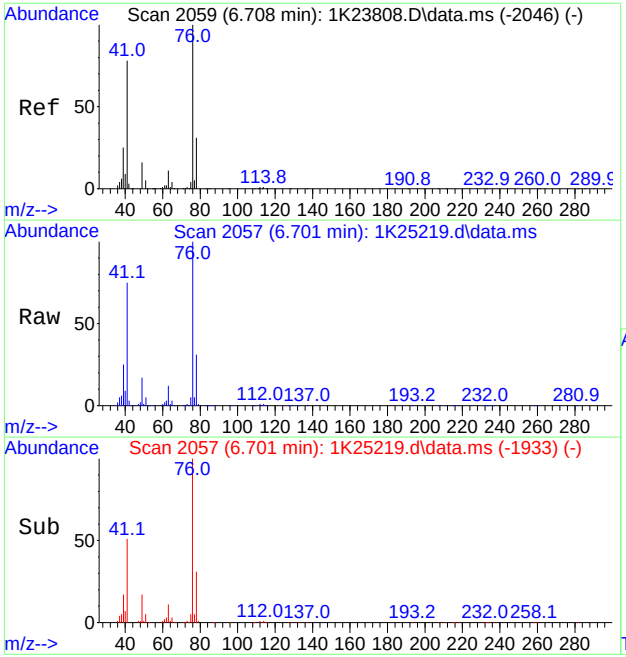


#79
2-hexanone
Concen: 170.2601 ug/L
RT: 6.901 min Scan# 2119
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion: 58 Resp: 812554

Ion	Ratio	Lower	Upper
58	100		
43	188.7	172.5	212.5
85	12.9	0.0	32.5
100	19.5	0.0	39.5

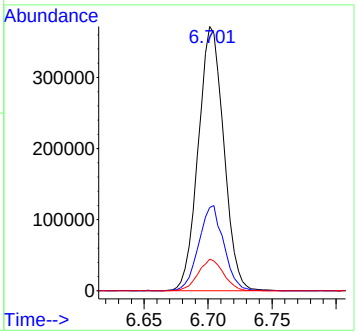


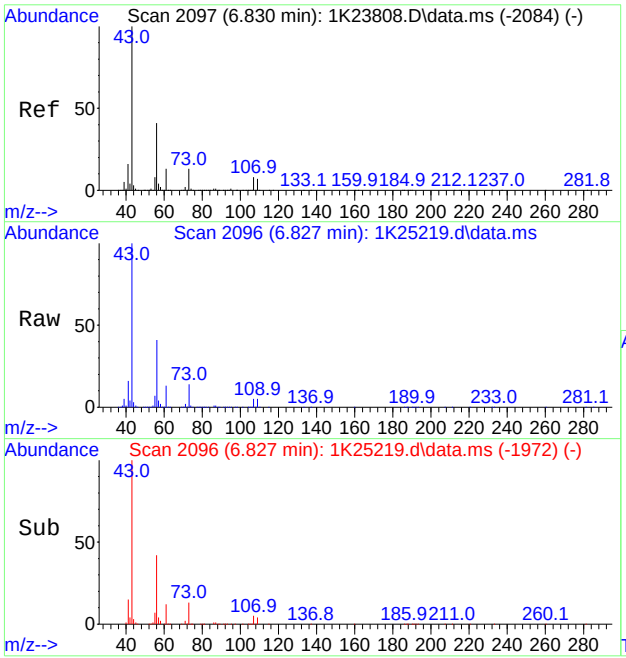


#80
1,3-dichloropropane
Concen: 44.7597 ug/L
RT: 6.701 min Scan# 2057
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion: 76 Resp: 514797

Ion	Ratio	Lower	Upper
76	100		
78	31.5	0.6	60.6
63	12.0	0.0	41.5

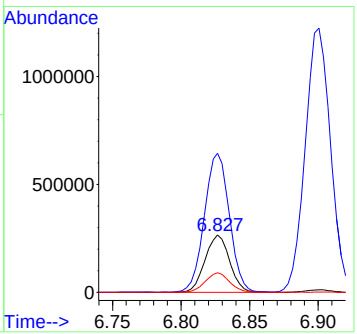


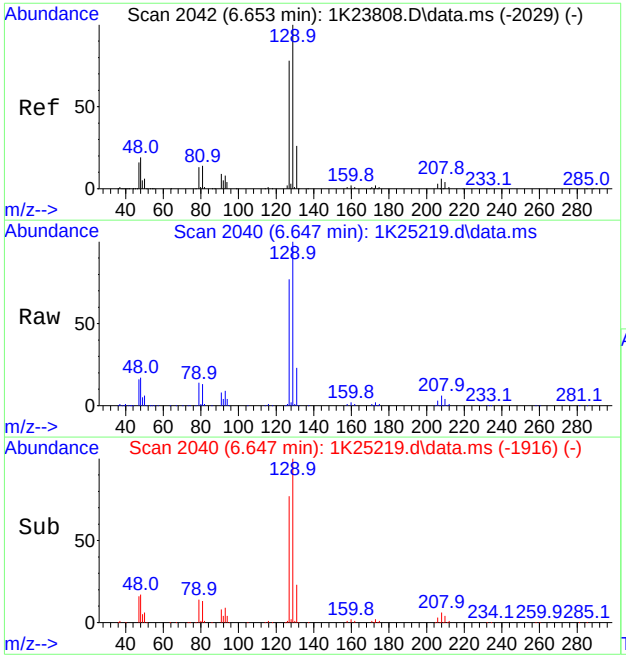


#81
butyl acetate
Concen: 42.7946 ug/L
RT: 6.827 min Scan# 2096
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion: 56 Resp: 331036

Ion	Ratio	Lower	Upper
56	100		
43	241.6	215.3	275.3
73	33.9	2.2	62.2

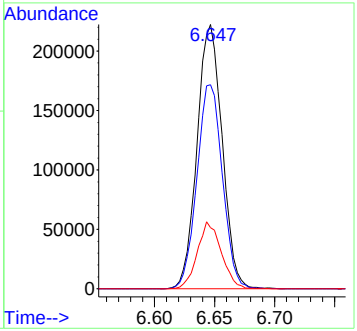


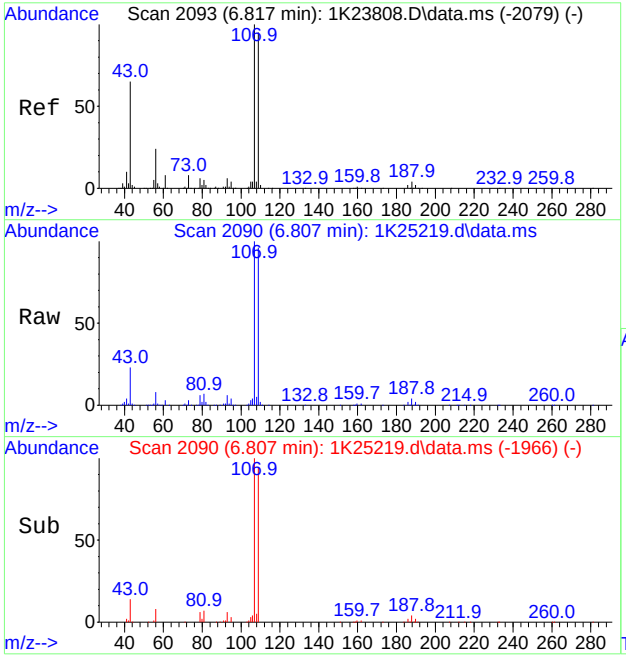


#82
dibromochloromethane
Concen: 44.7679 ug/L
RT: 6.647 min Scan# 2040
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion:129 Resp: 323668

Ion	Ratio	Lower	Upper
129	100		
127	77.1	47.8	107.8
131	23.1	0.0	55.8

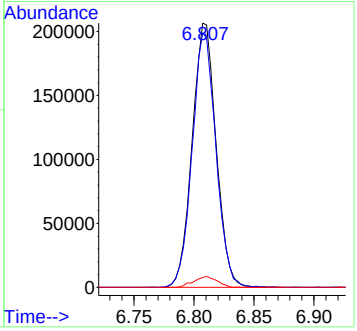




#83
1,2-dibromoethane
Concen: 44.1173 ug/L
RT: 6.807 min Scan# 2090
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

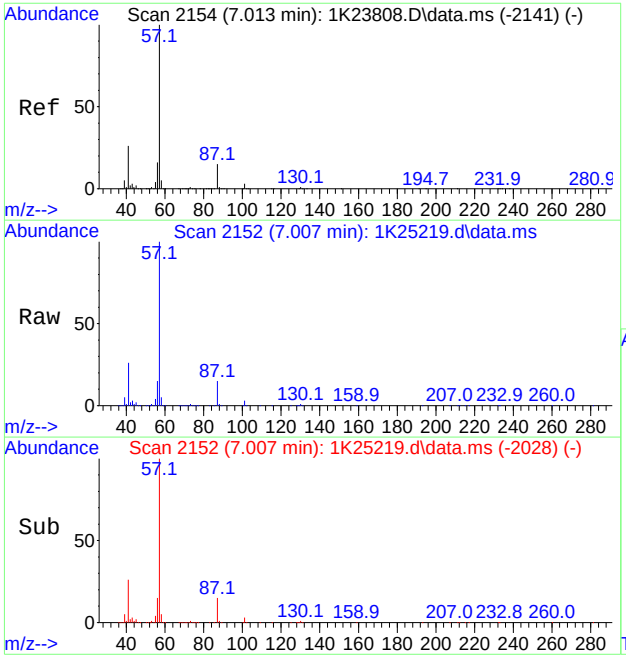
Tgt Ion:107 Resp: 286632

Ion	Ratio	Lower	Upper
107	100		
109	96.1	65.3	125.3
188	3.8	0.0	33.6



7.4.1

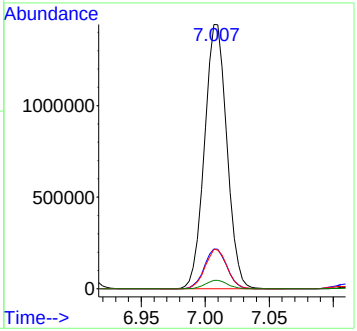
7

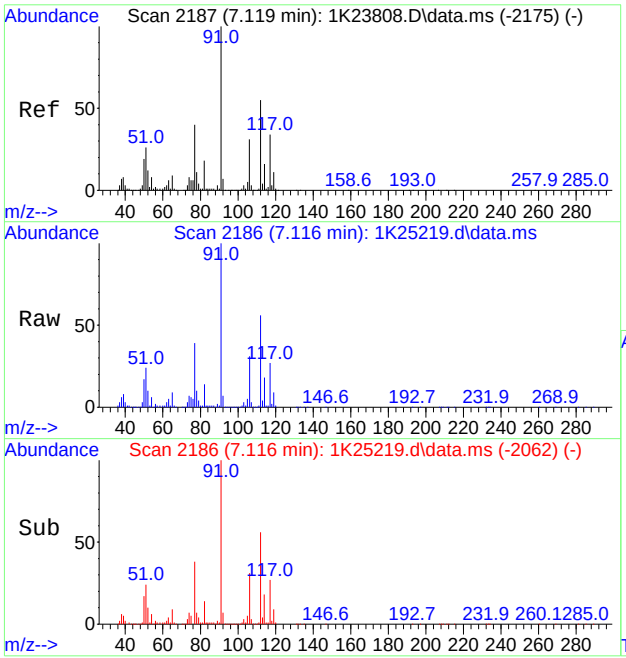


#84
n-butyl ether
Concen: 46.0042 ug/L
RT: 7.007 min Scan# 2152
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion: 57 Resp: 1754470

Ion	Ratio	Lower	Upper
57	100		
56	15.1	0.0	45.7
87	15.0	0.0	44.9
101	3.2	0.0	33.4

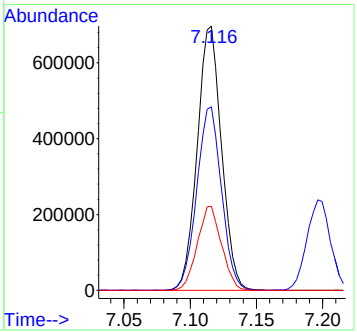


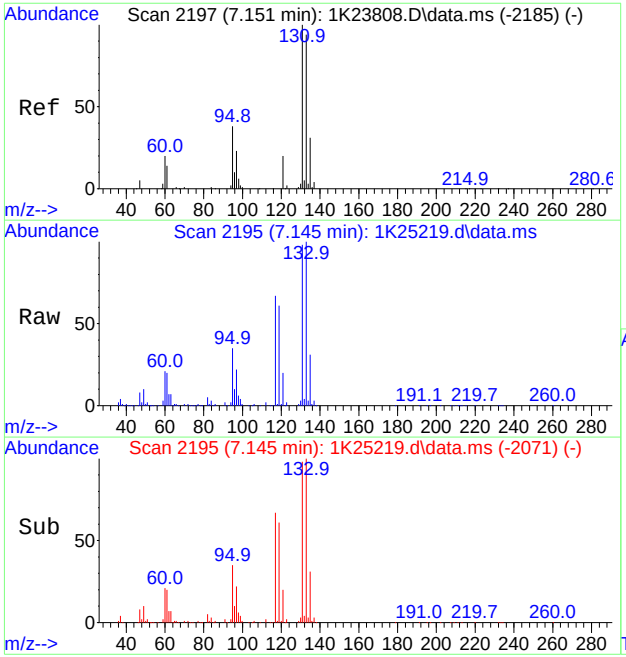


#85
chlorobenzene
Concen: 47.4351 ug/L
RT: 7.116 min Scan# 2186
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion:112 Resp: 889703

Ion	Ratio	Lower	Upper
112	100		
77	69.4	43.7	103.7
114	31.8	0.0	59.8

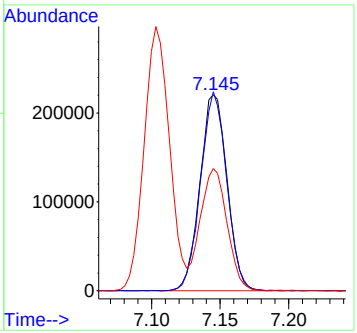


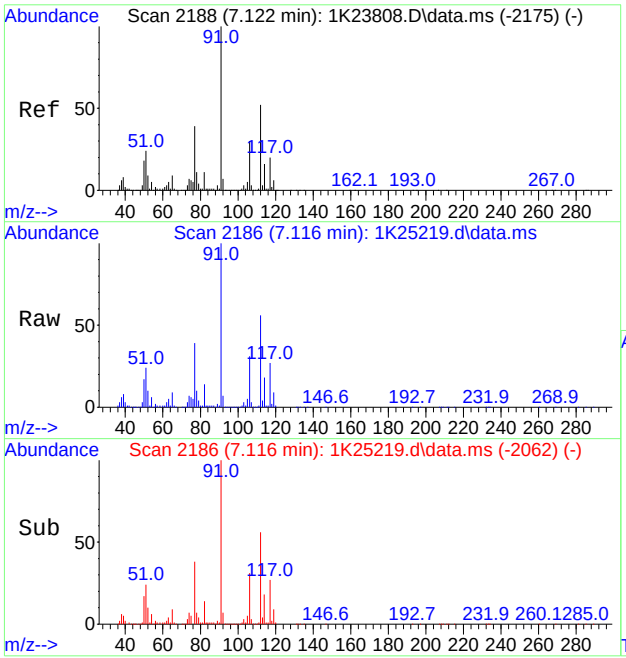


#86
1,1,1,2-tetrachloroethane
Concen: 43.8910 ug/L
RT: 7.145 min Scan# 2195
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion:131 Resp: 303008

Ion	Ratio	Lower	Upper
131	100		
133	101.5	64.3	124.3
119	62.2	27.7	87.7

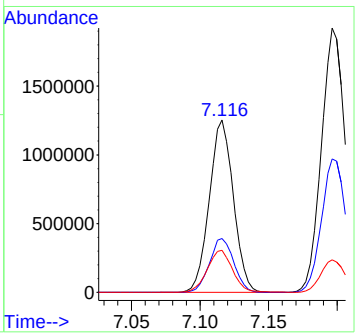


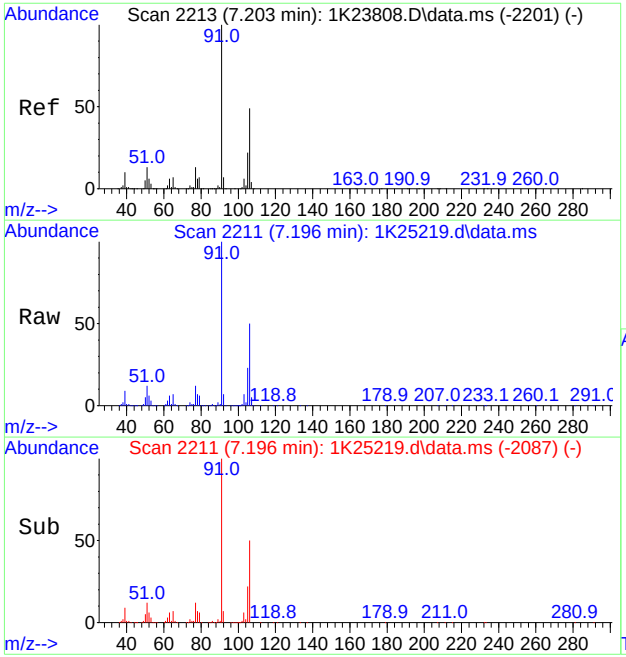


#87
ethylbenzene
Concen: 44.3634 ug/L
RT: 7.116 min Scan# 2186
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion: 91 Resp: 1527100

Ion	Ratio	Lower	Upper
91	100		
106	31.3	0.3	60.3
51	24.4	0.0	54.3

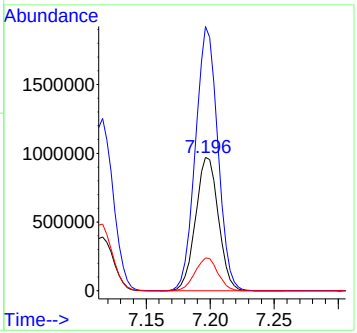


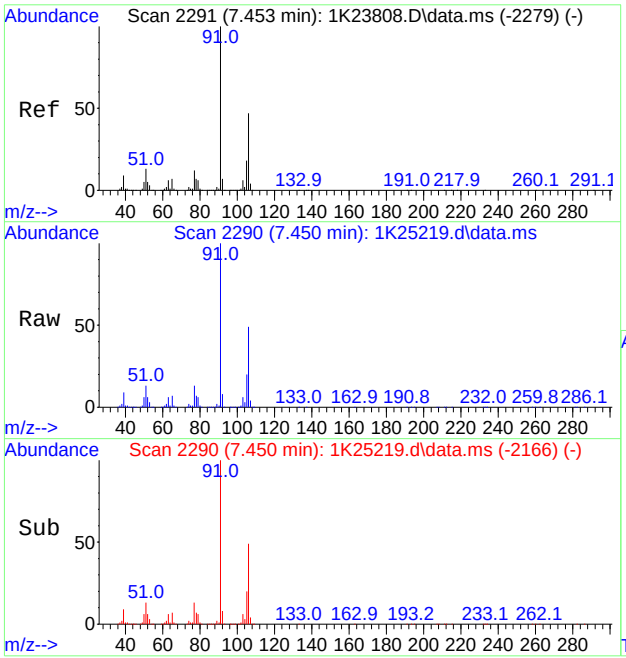


#88
m,p-xylene
Concen: 93.0481 ug/L
RT: 7.196 min Scan# 2211
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion:106 Resp: 1202564

Ion	Ratio	Lower	Upper
106	100		
91	198.2	176.0	236.0
77	24.6	5.9	45.9

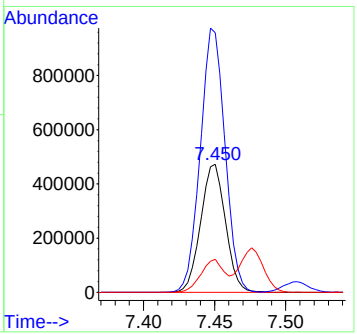


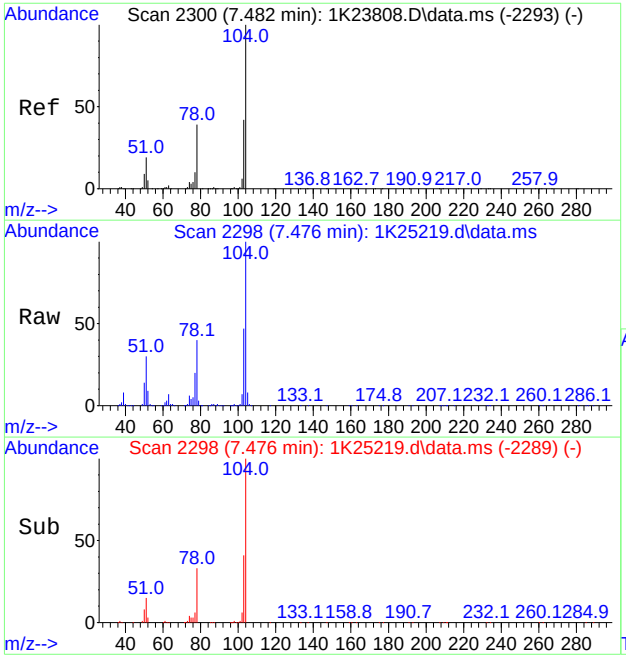


#89
o-xylene
Concen: 46.4206 ug/L
RT: 7.450 min Scan# 2290
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion:106 Resp: 573764

Ion	Ratio	Lower	Upper
106	100		
91	202.4	183.9	243.9
77	25.7	5.0	45.0

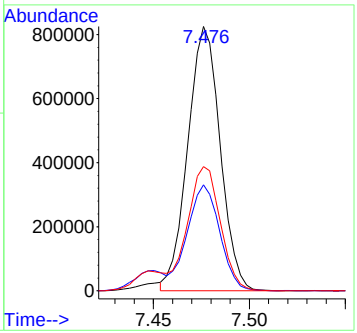


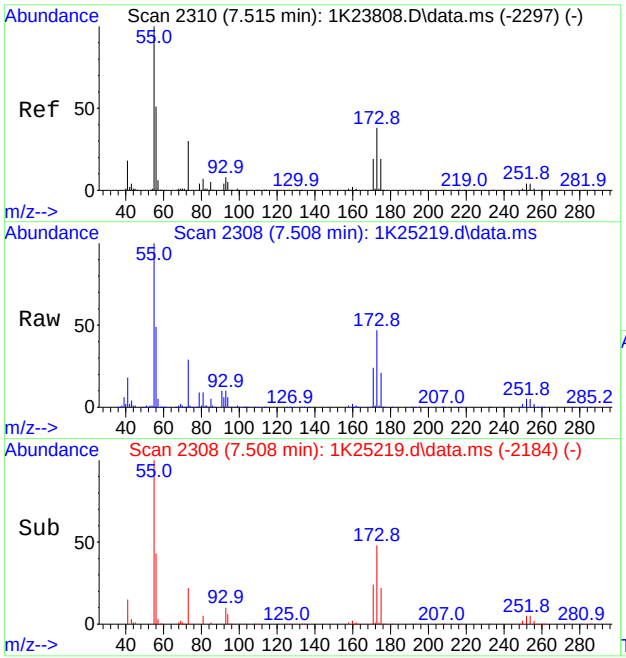


#90
styrene
Concen: 46.4196 ug/L
RT: 7.476 min Scan# 2298
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion:104 Resp: 969306

Ion	Ratio	Lower	Upper
104	100		
78	40.0	13.8	73.8
103	46.9	16.3	76.3

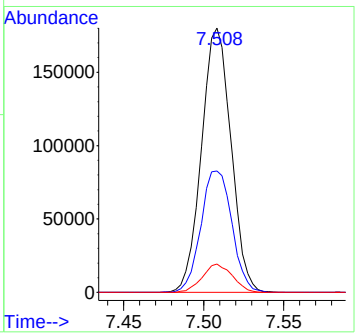


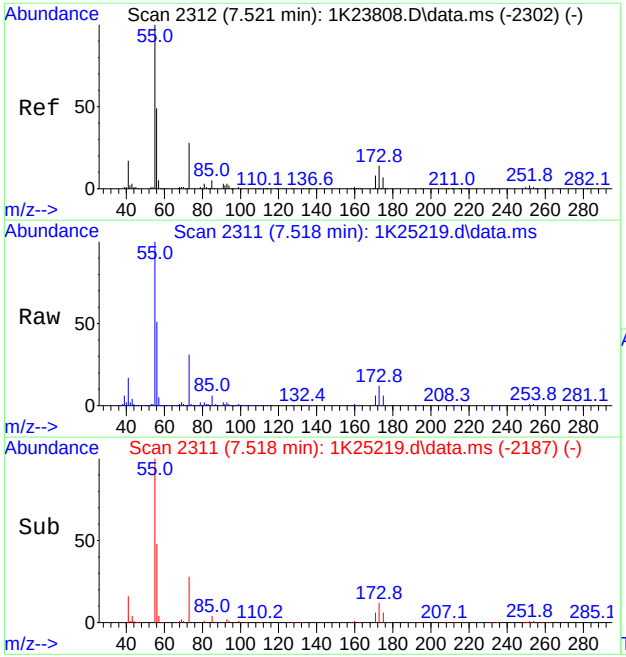


#91
bromoform
Concen: 44.8945 ug/L
RT: 7.508 min Scan# 2308
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion:173 Resp: 231359

Ion	Ratio	Lower	Upper
173	100		
175	45.9	20.6	80.6
254	10.8	0.0	39.4

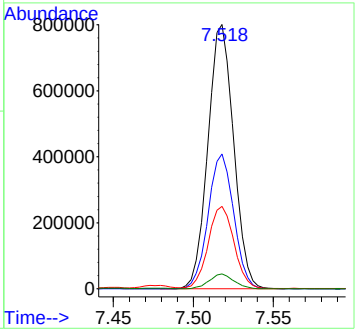


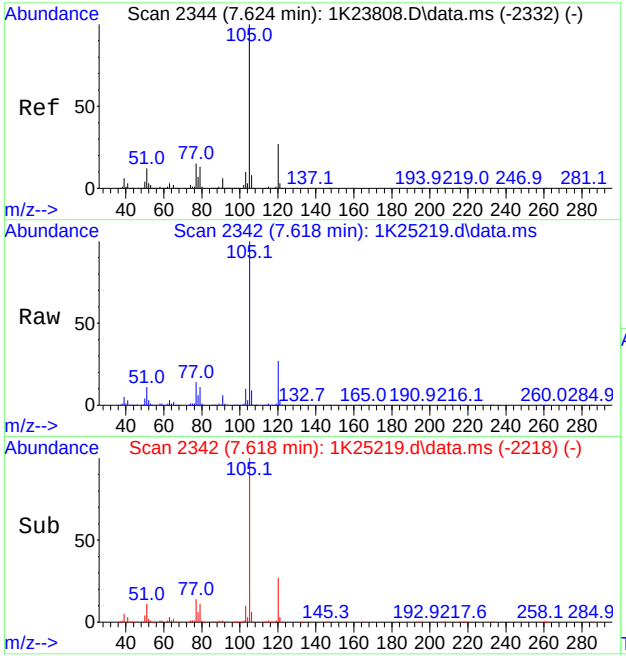


#92
butyl acrylate
Concen: 44.5601 ug/L
RT: 7.518 min Scan# 2311
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion: 55 Resp: 896759

Ion	Ratio	Lower	Upper
55	100		
56	51.0	19.2	79.2
73	31.0	0.0	59.1
85	5.7	0.0	35.4

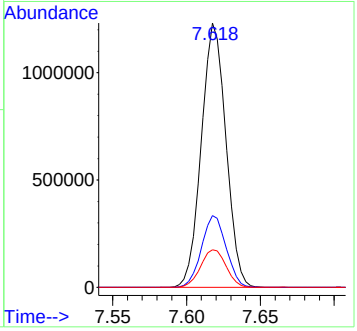


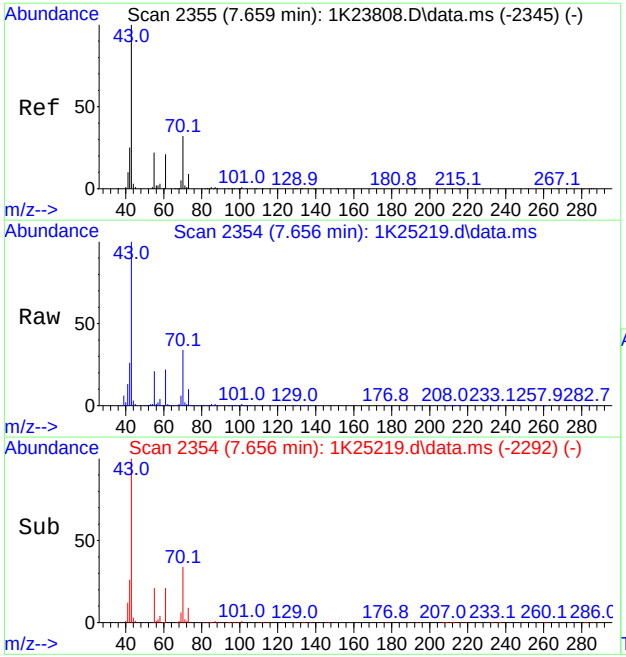


#93
isopropylbenzene
Concen: 46.3446 ug/L
RT: 7.618 min Scan# 2342
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion:105 Resp: 1421277

Ion	Ratio	Lower	Upper
105	100		
120	27.1	7.4	47.4
77	14.1	0.0	35.4

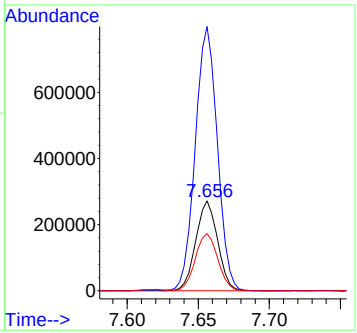


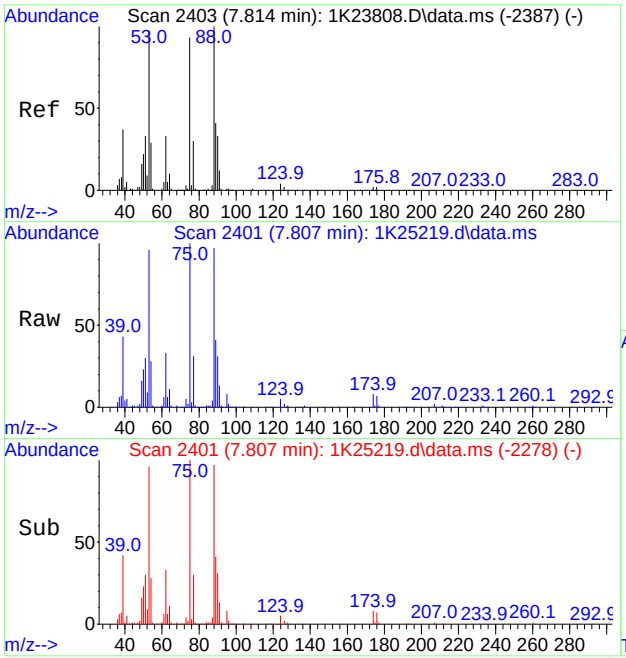


#94
n-amyl acetate
Concen: 43.8565 ug/L
RT: 7.656 min Scan# 2354
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion: 70 Resp: 289843

Ion	Ratio	Lower	Upper
70	100		
43	293.4	293.9	333.9#
61	63.6	48.4	88.4

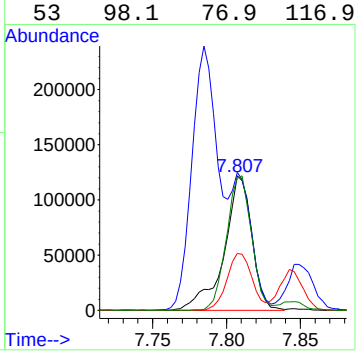


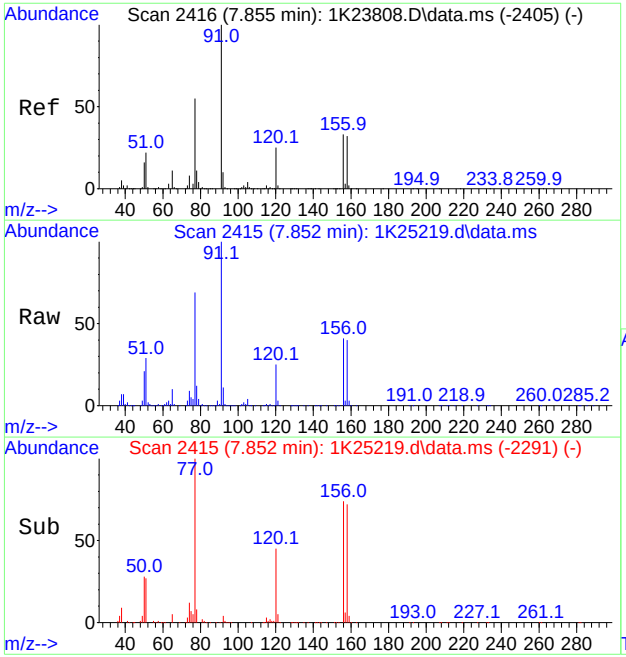


#95
cis-1,4-dichloro-2-butene
Concen: 34.2343 ug/L
RT: 7.807 min Scan# 2401
Delta R.T. -0.003 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion: 88 Resp: 158944

Ion	Ratio	Lower	Upper
88	100		
75	102.2	72.9	112.9
89	42.4	20.6	60.6
53	98.1	76.9	116.9

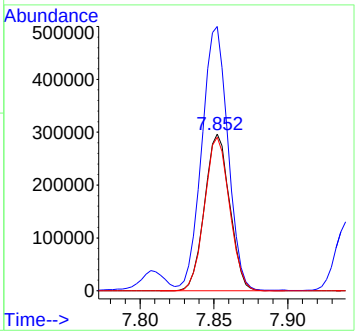


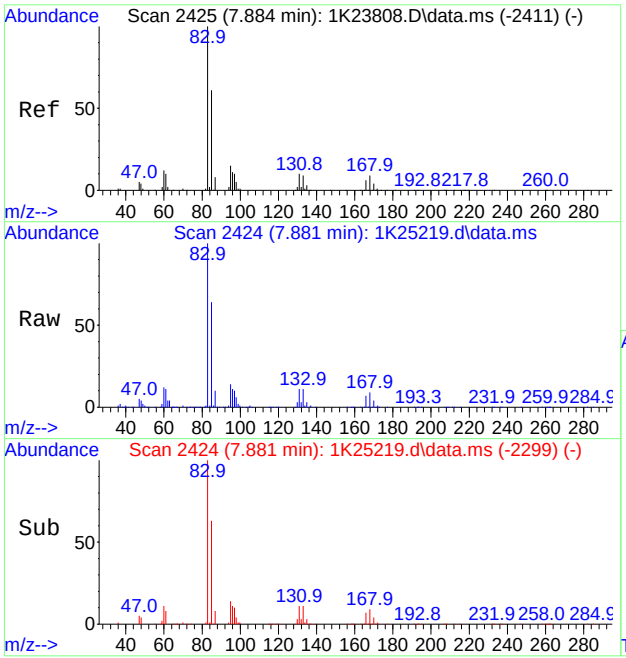


#98
bromobenzene
Concen: 45.1026 ug/L
RT: 7.852 min Scan# 2415
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion:156 Resp: 349020

Ion	Ratio	Lower	Upper
156	100		
77	168.3	150.1	210.1
158	98.1	66.6	126.6

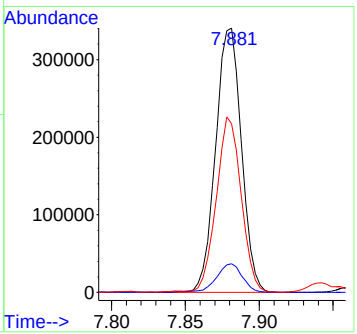


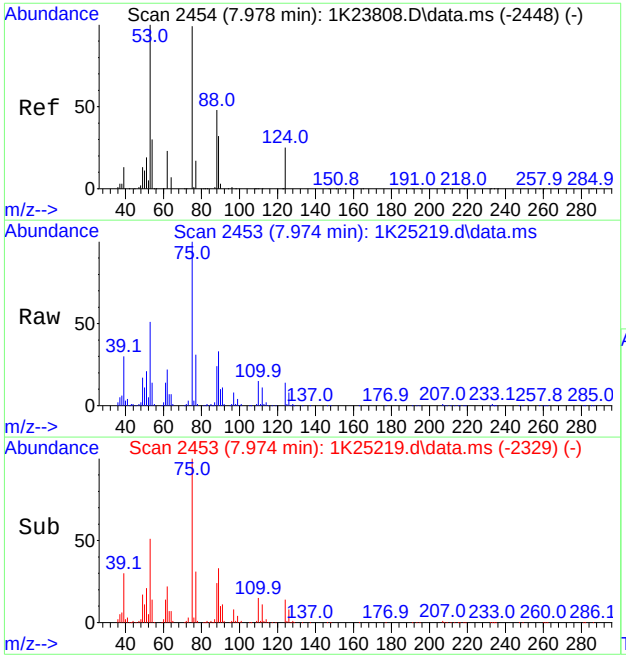


#99
1,1,2,2-tetrachloroethane
Concen: 42.7313 ug/L
RT: 7.881 min Scan# 2424
Delta R.T. 0.003 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion: 83 Resp: 411878

Ion	Ratio	Lower	Upper
83	100		
131	10.8	0.0	40.0
85	63.8	31.1	91.1

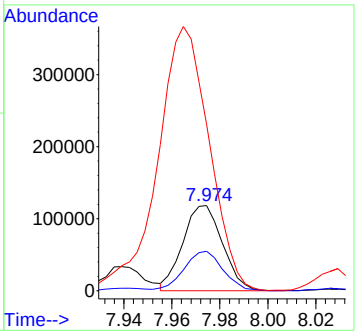


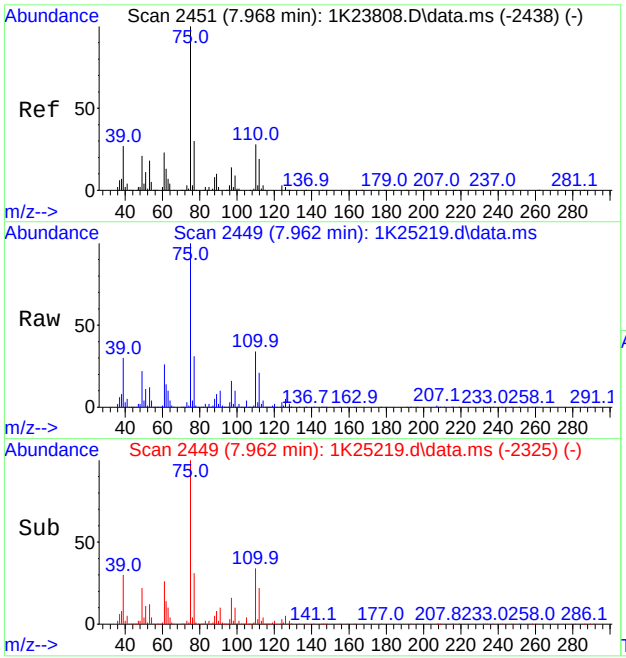


#100
trans-1,4-dichloro-2-butene
Concen: 31.4208 ug/L
RT: 7.974 min Scan# 2453
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion: 53 Resp: 135847

Ion	Ratio	Lower	Upper
53	100		
88	46.2	17.1	77.1
75	194.4	162.2	222.2

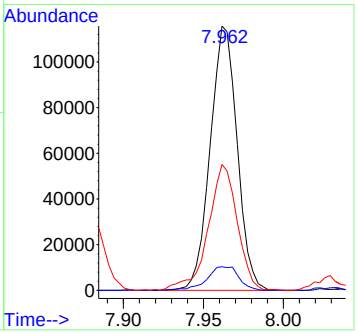


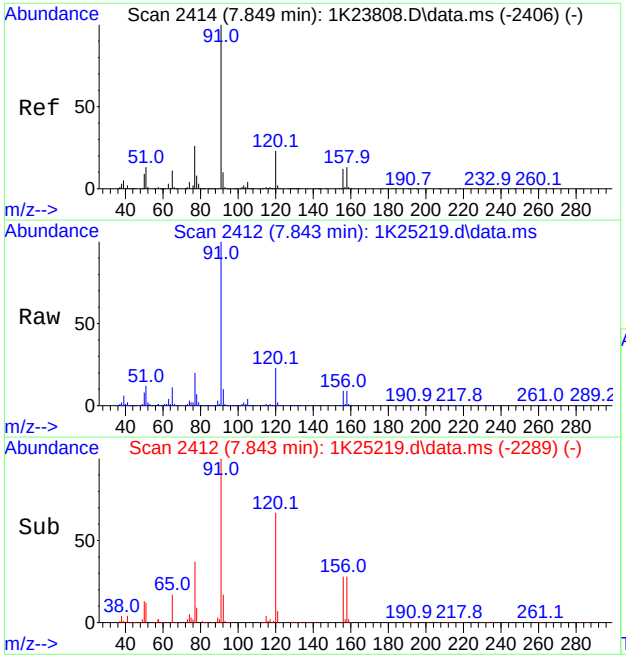


#101
1,2,3-trichloropropane
Concen: 42.1428 ug/L
RT: 7.962 min Scan# 2449
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion:110 Resp: 135845

Ion	Ratio	Lower	Upper
110	100		
111	9.0	0.0	39.1
97	47.6	20.8	80.8

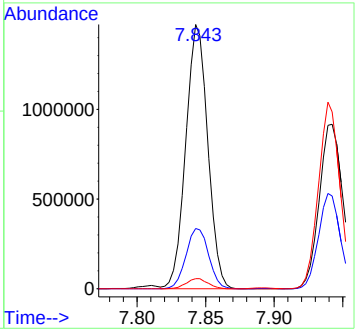


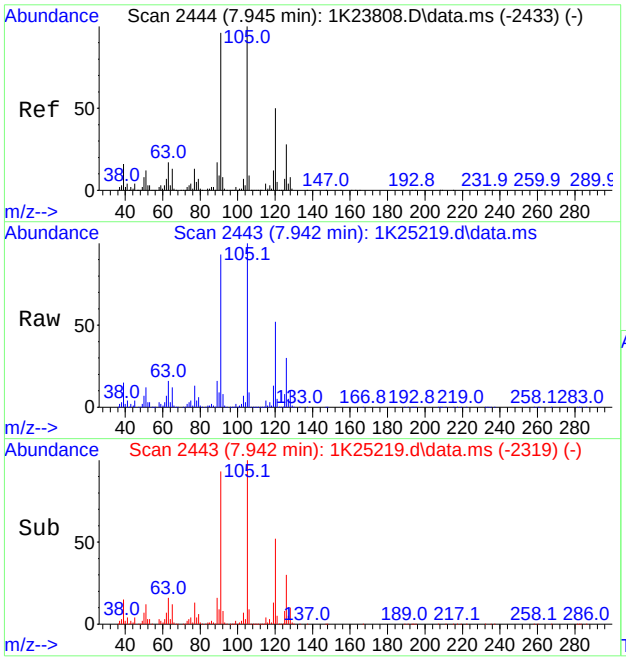


#102
n-propylbenzene
Concen: 45.7444 ug/L
RT: 7.843 min Scan# 2412
Delta R.T. -0.003 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion: 91 Resp: 1641745

Ion	Ratio	Lower	Upper
91	100		
120	22.8	0.0	52.5
105	3.8	0.0	33.5

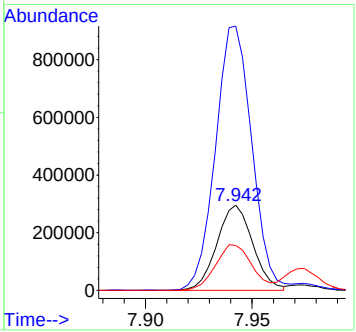


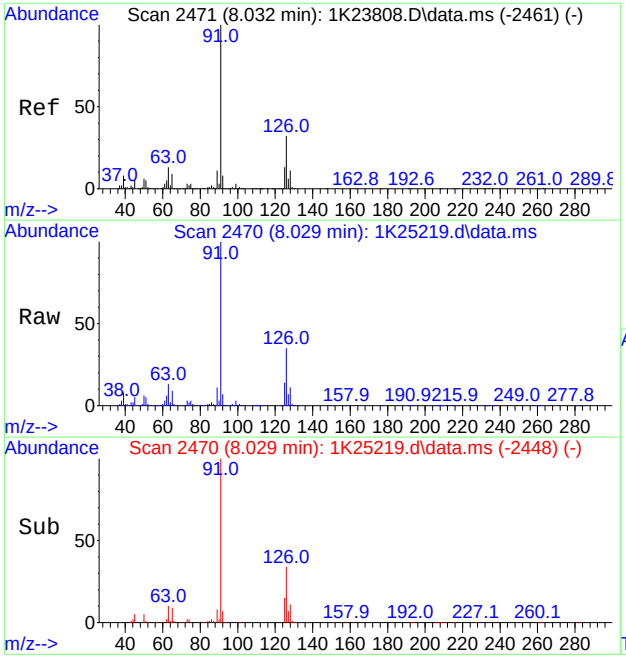


#103
2-chlorotoluene
Concen: 47.4725 ug/L
RT: 7.942 min Scan# 2443
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion:126 Resp: 346507

Ion	Ratio	Lower	Upper
126	100		
91	310.6	316.4	376.4#
89	52.6	33.0	93.0

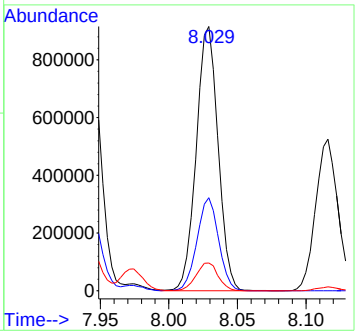


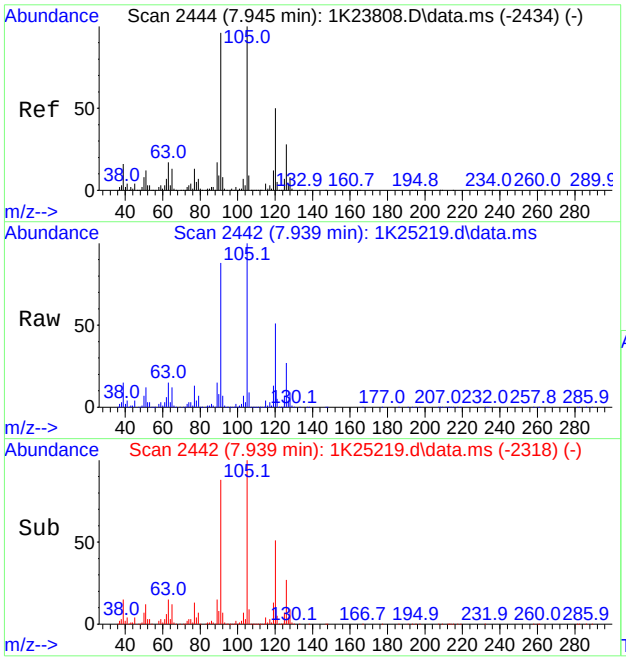


#104
4-chlorotoluene
Concen: 43.0113 ug/L
RT: 8.029 min Scan# 2470
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion: 91 Resp: 1012851

Ion	Ratio	Lower	Upper
91	100		
126	35.3	2.1	62.1
89	10.5	0.0	41.4

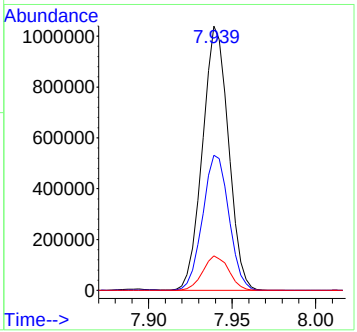


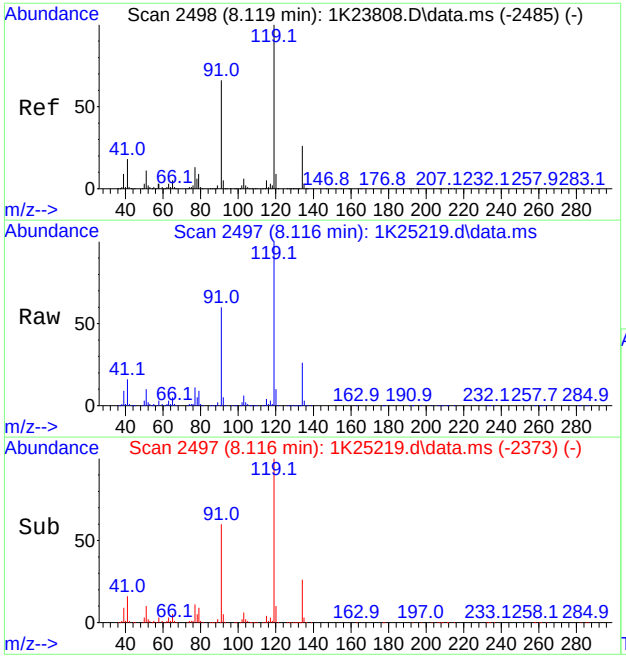


#105
1,3,5-trimethylbenzene
Concen: 45.7893 ug/L
RT: 7.939 min Scan# 2442
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion:105 Resp: 1123707

Ion	Ratio	Lower	Upper
105	100		
120	51.1	20.0	80.0
119	13.0	0.0	41.7

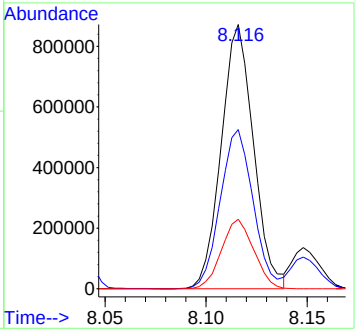


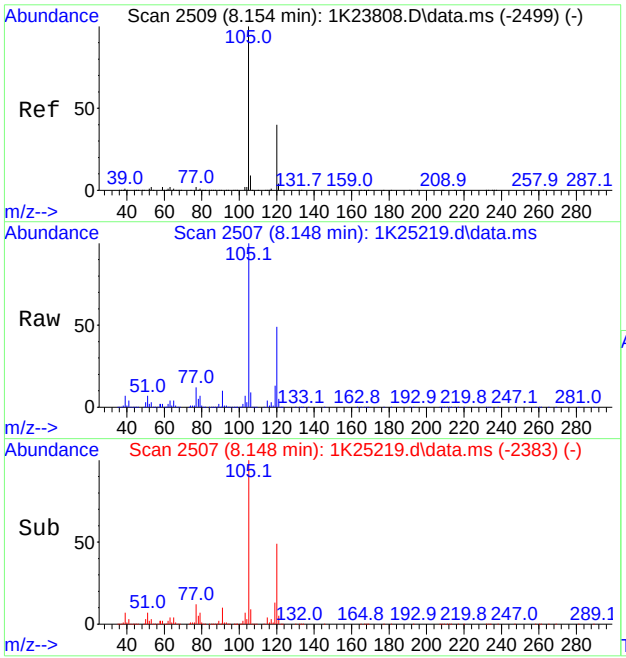


#106
tert-butylbenzene
Concen: 46.1232 ug/L
RT: 8.116 min Scan# 2497
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion:119 Resp: 971749

Ion	Ratio	Lower	Upper
119	100		
91	60.1	36.3	96.3
134	26.3	0.0	56.2

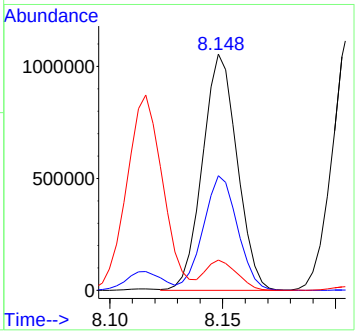


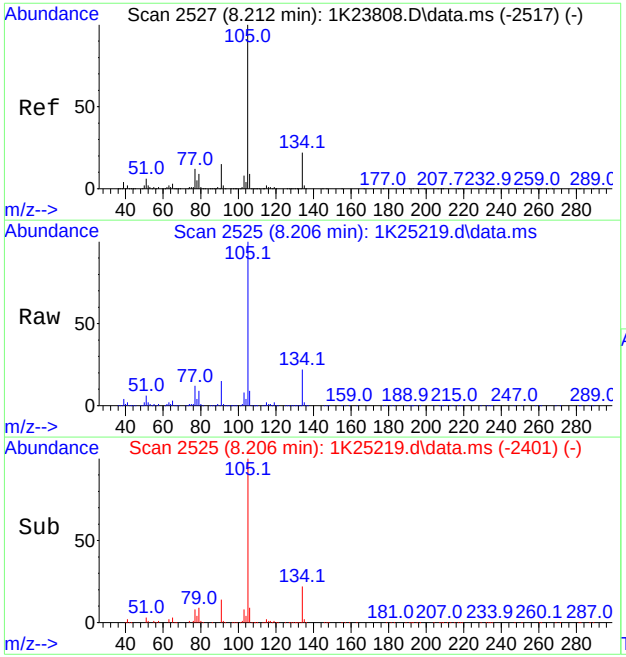


#107
1,2,4-trimethylbenzene
Concen: 44.1048 ug/L
RT: 8.148 min Scan# 2507
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion:105 Resp: 1122488

Ion	Ratio	Lower	Upper
105	100		
120	48.5	17.1	77.1
119	12.8	0.0	42.1

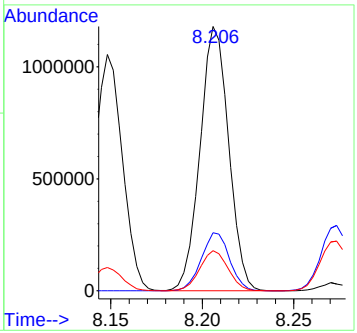


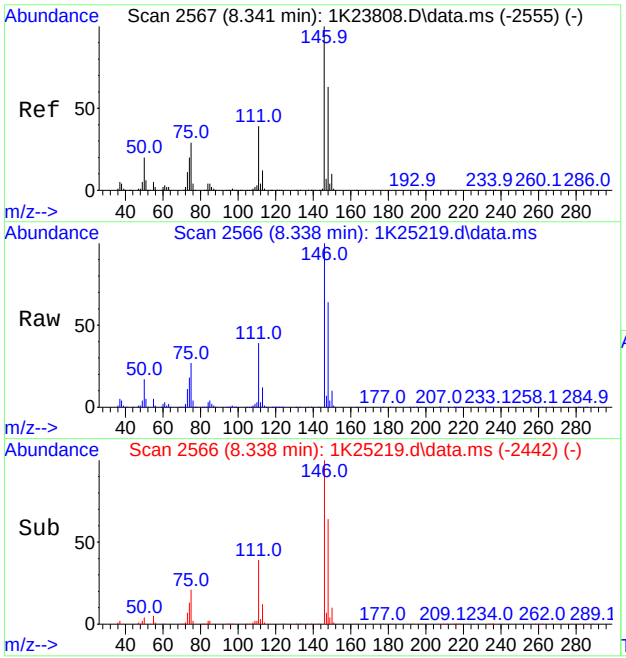


#108
sec-butylbenzene
Concen: 45.7963 ug/L
RT: 8.206 min Scan# 2525
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion:105 Resp: 1292879

Ion	Ratio	Lower	Upper
105	100		
134	22.0	0.0	51.5
91	15.1	0.0	45.0

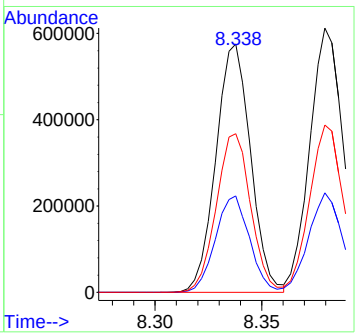


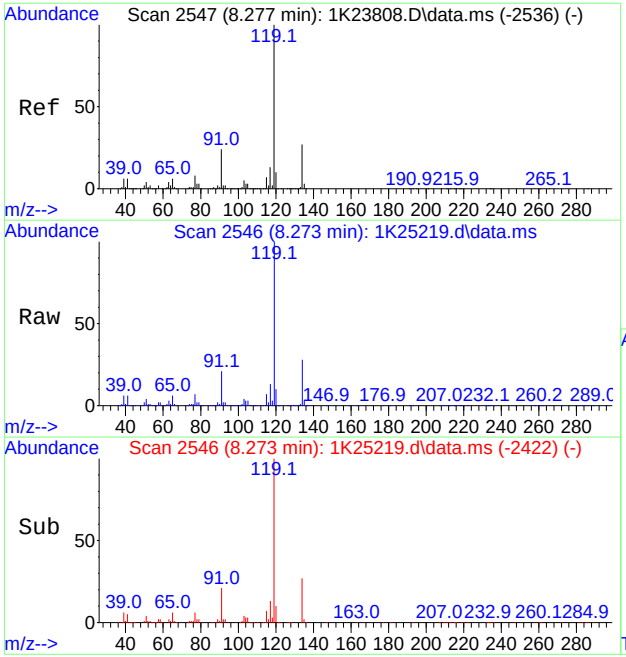


#109
1,3-dichlorobenzene
Concen: 46.1089 ug/L
RT: 8.338 min Scan# 2566
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion:146 Resp: 652864

Ion	Ratio	Lower	Upper
146	100		
111	38.9	8.9	68.9
148	63.9	32.9	92.9

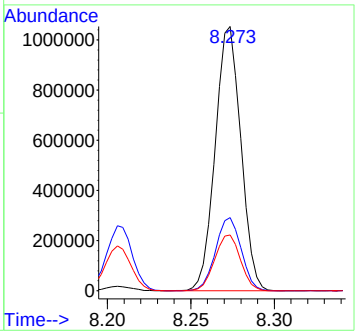


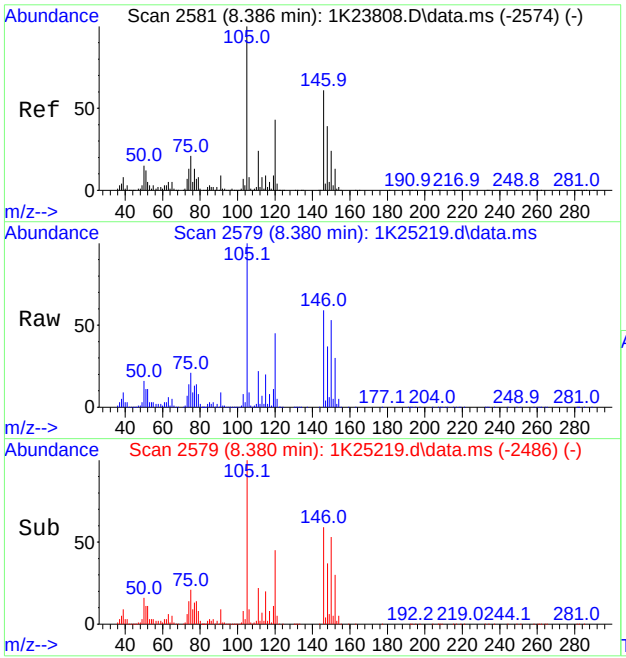


#110
p-isopropyltoluene
Concen: 45.9760 ug/L
RT: 8.273 min Scan# 2546
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion:119 Resp: 1127558

Ion	Ratio	Lower	Upper
119	100		
134	27.7	0.0	56.8
91	21.1	0.0	53.8

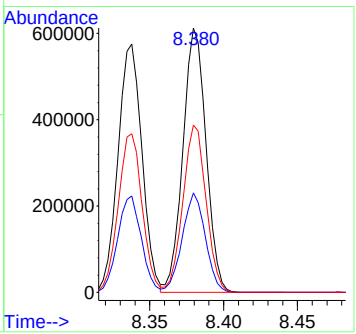


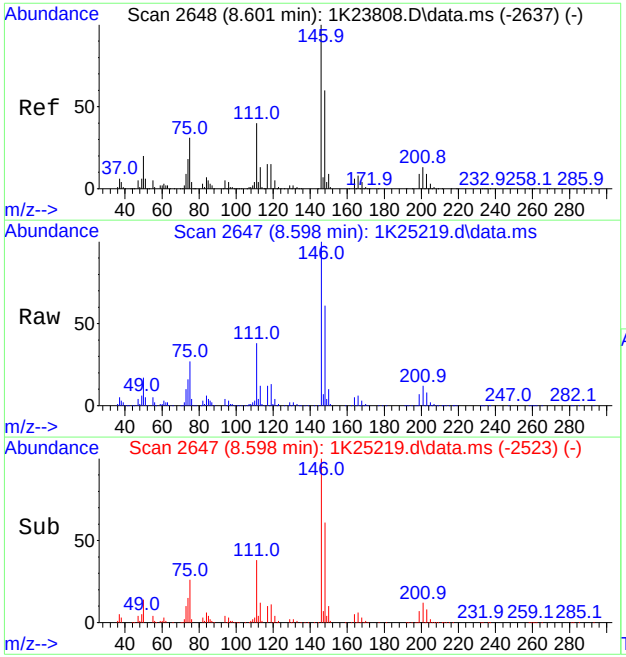


#111
1,4-dichlorobenzene
Concen: 45.8163 ug/L
RT: 8.380 min Scan# 2579
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion:146 Resp: 669949

Ion	Ratio	Lower	Upper
146	100		
111	37.7	9.1	69.1
148	63.2	33.9	93.9

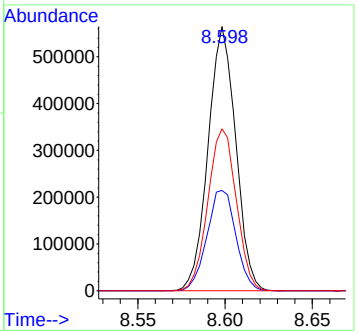


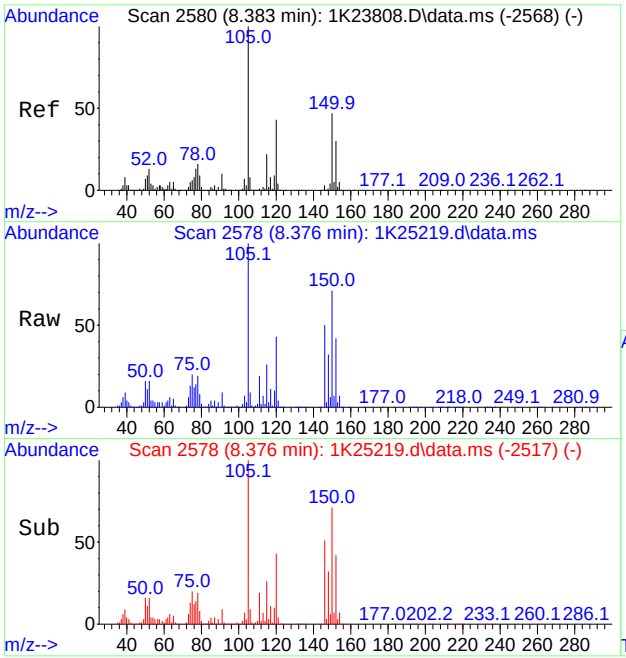


#112
1,2-dichlorobenzene
Concen: 46.0003 ug/L
RT: 8.598 min Scan# 2647
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion:146 Resp: 622285

Ion	Ratio	Lower	Upper
146	100		
111	38.0	9.9	69.9
148	61.3	30.0	90.0

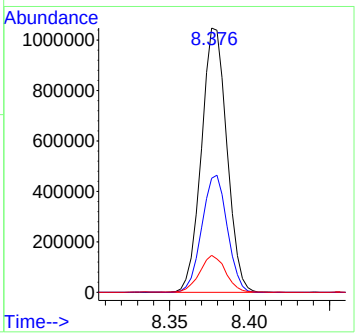


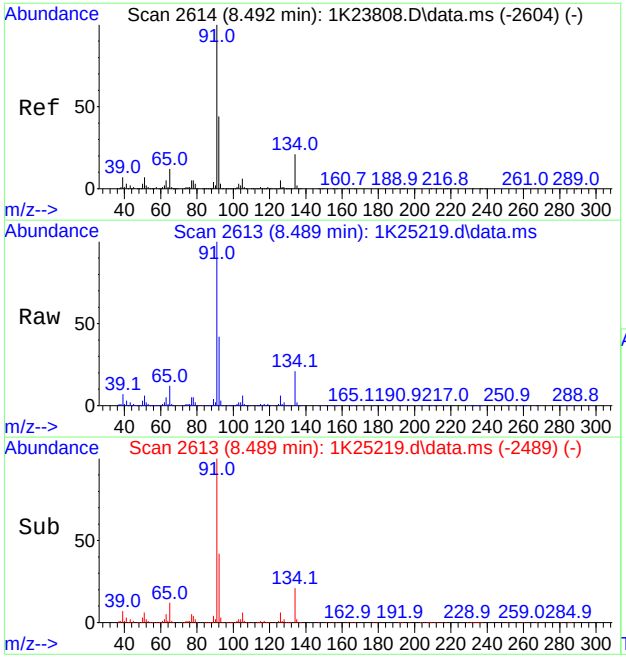


#113
1,2,3-trimethylbenzene
Concen: 44.7761 ug/L
RT: 8.376 min Scan# 2578
Delta R.T. -0.003 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion:105 Resp: 1160023

Ion	Ratio	Lower	Upper
105	100		
120	43.1	12.7	72.7
77	14.0	0.0	43.6

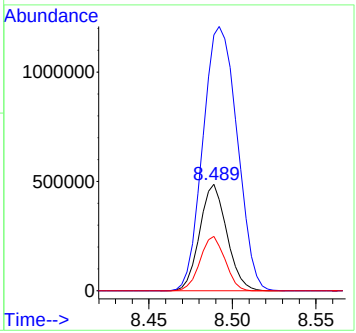


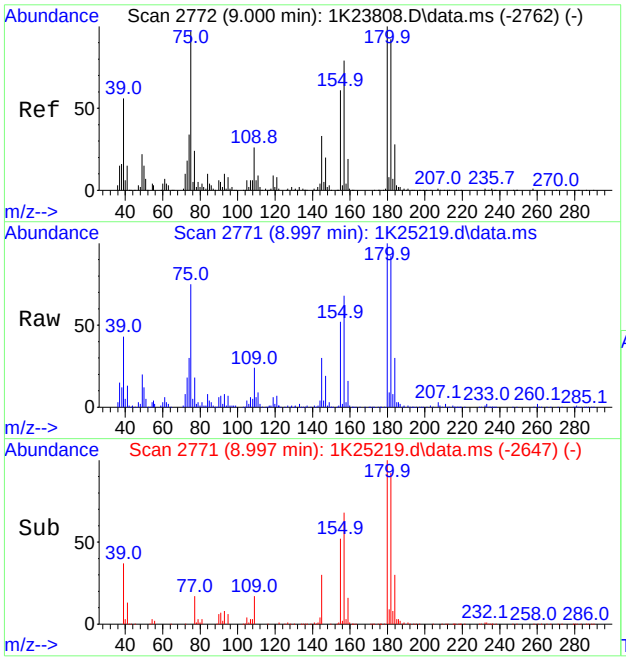


#114
n-butylbenzene
Concen: 42.1825 ug/L
RT: 8.489 min Scan# 2613
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion: 92 Resp: 550432

Ion	Ratio	Lower	Upper
92	100		
91	240.3	199.3	259.3
134	51.1	17.7	77.7

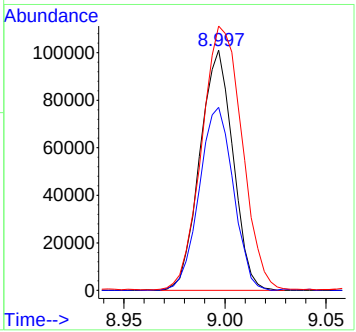


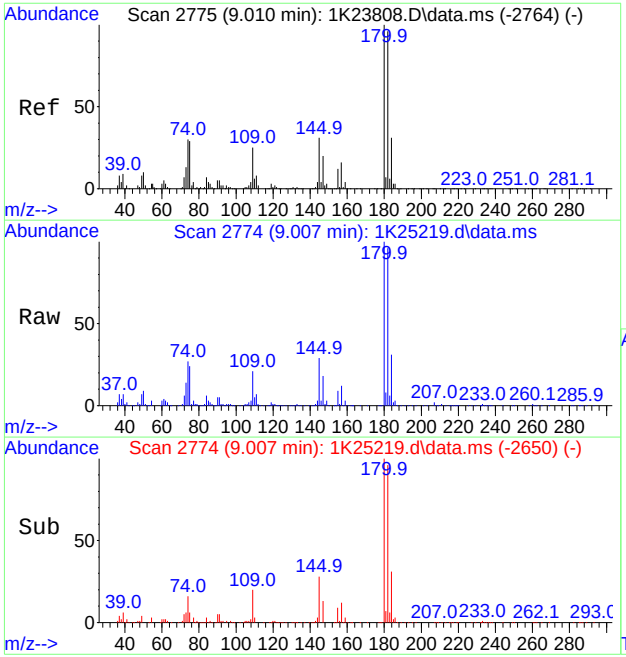


#115
1,2-dibromo-3-chloropropane
Concen: 42.2160 ug/L
RT: 8.997 min Scan# 2771
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion:157 Resp: 115107

Ion	Ratio	Lower	Upper
157	100		
155	75.9	47.8	107.8
75	109.5	92.6	152.6

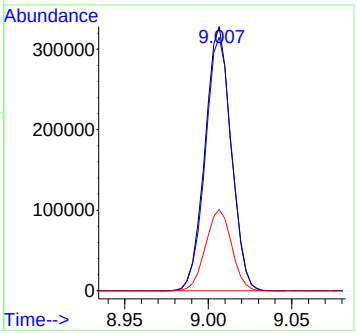


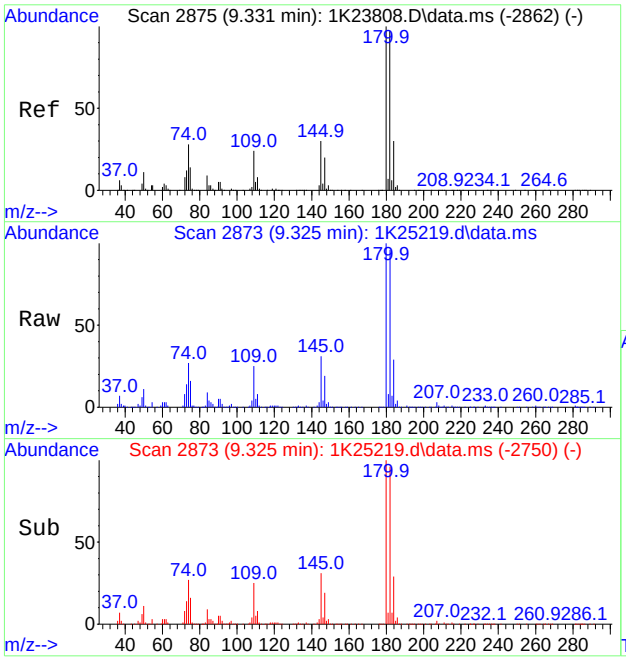


#116
1,3,5-trichlorobenzene
Concen: 44.5755 ug/L
RT: 9.007 min Scan# 2774
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion:180 Resp: 356610

Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.0	116.0
184	30.8	11.0	51.0

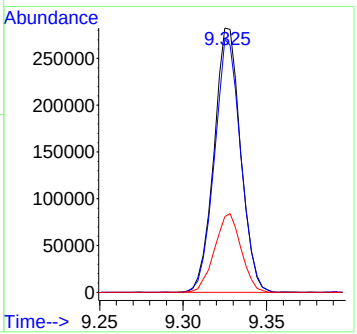


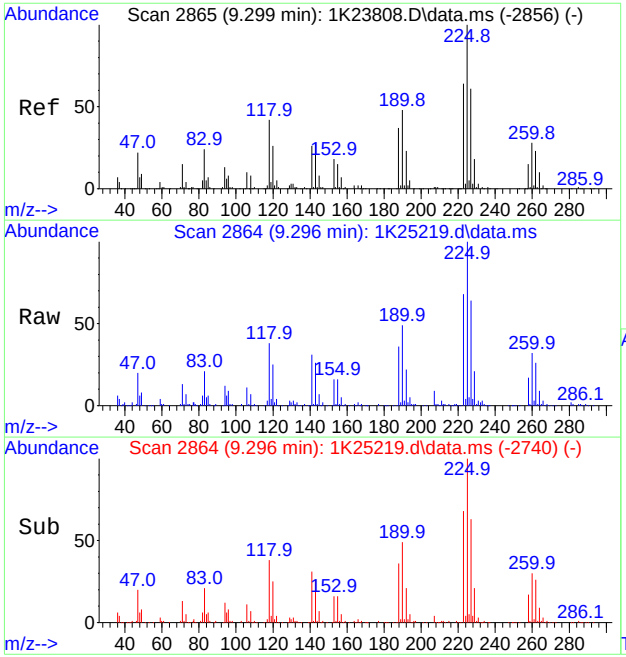


#117
1,2,4-trichlorobenzene
Concen: 43.8209 ug/L
RT: 9.325 min Scan# 2873
Delta R.T. -0.003 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion:180 Resp: 312580

Ion	Ratio	Lower	Upper
180	100		
182	95.7	67.0	127.0
184	28.6	0.2	60.2

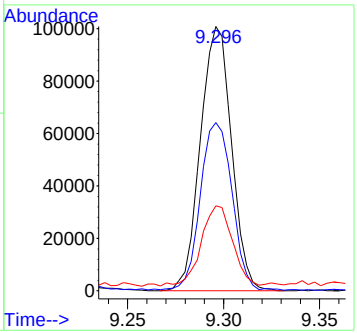


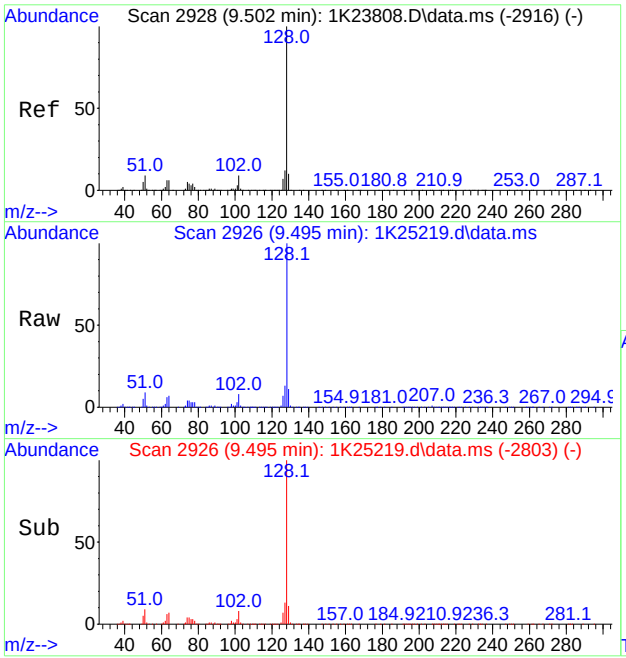


#118
hexachlorobutadiene
Concen: 45.4709 ug/L
RT: 9.296 min Scan# 2864
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion:225 Resp: 114000

Ion	Ratio	Lower	Upper
225	100		
227	63.4	31.7	91.7
260	30.3	0.0	58.9

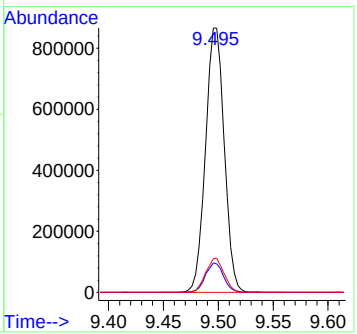


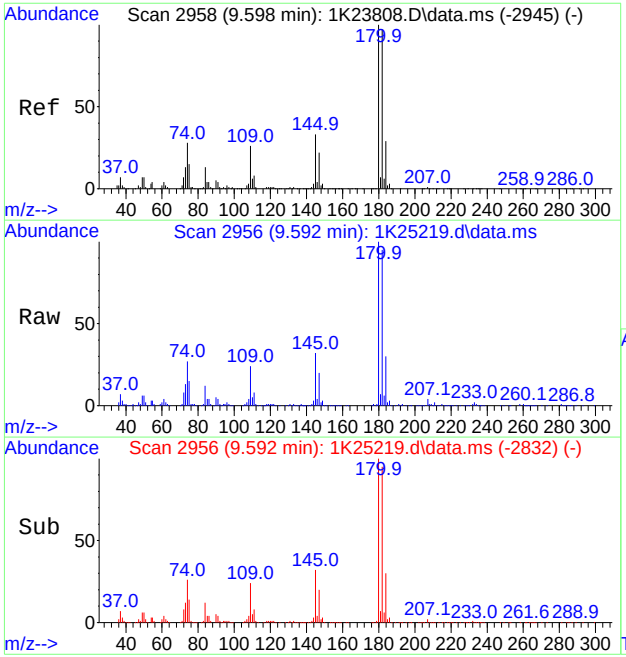


#119
naphthalene
Concen: 44.0661 ug/L
RT: 9.495 min Scan# 2926
Delta R.T. -0.003 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion:128 Resp: 1029779

Ion	Ratio	Lower	Upper
128	100		
129	11.2	0.0	40.4
127	12.7	0.0	42.3

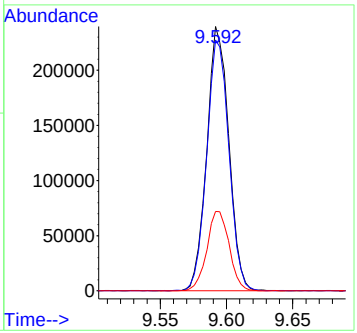


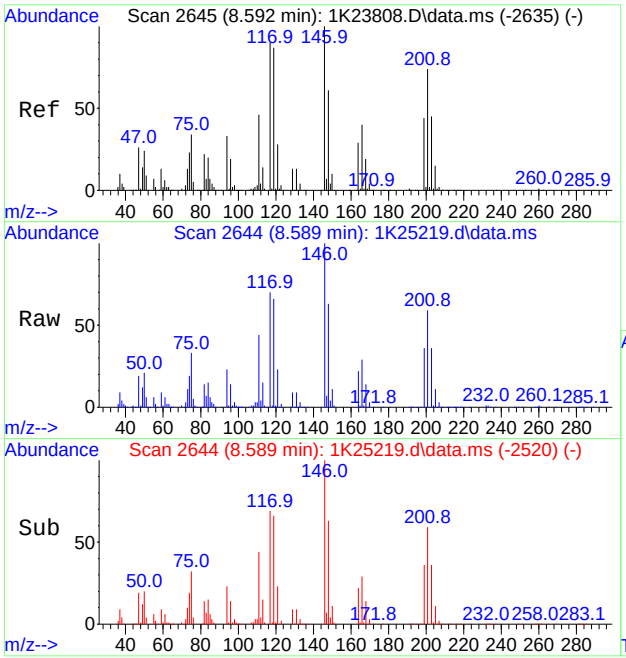


#120
1,2,3-trichlorobenzene
Concen: 44.0268 ug/L
RT: 9.592 min Scan# 2956
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion:180 Resp: 277430

Ion	Ratio	Lower	Upper
180	100		
182	94.7	66.8	126.8
184	30.0	0.0	59.3

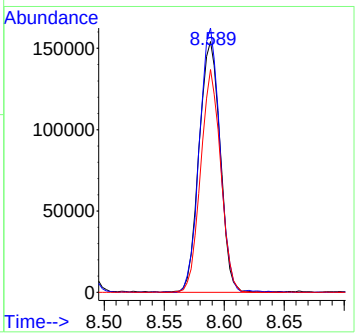


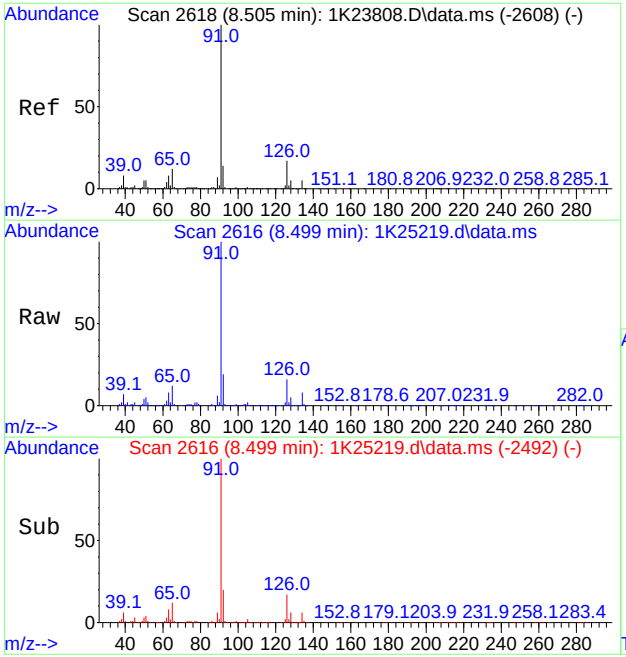


#121
hexachloroethane
Concen: 42.7468 ug/L
RT: 8.589 min Scan# 2644
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion:119 Resp: 189067

Ion	Ratio	Lower	Upper
119	100		
117	105.4	74.2	134.2
201	88.8	55.5	115.5

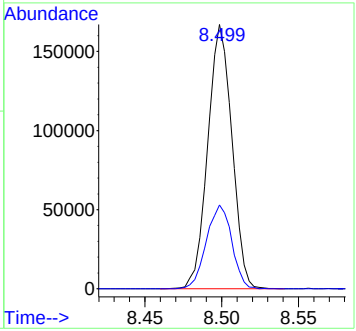


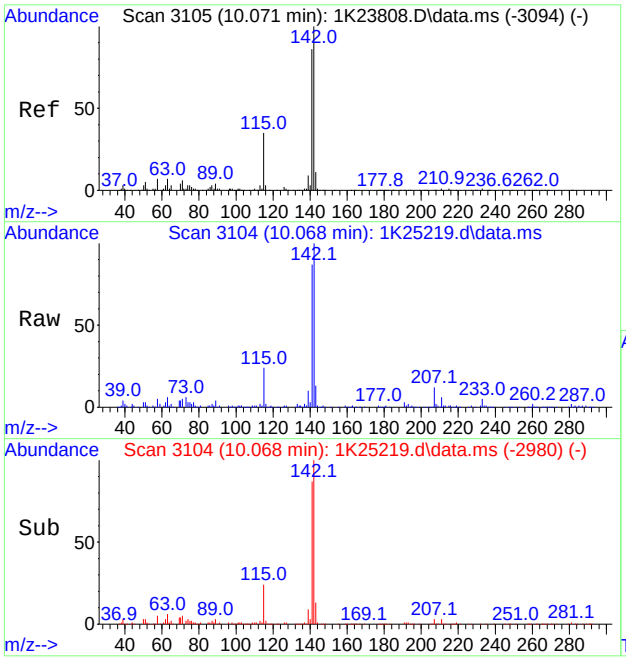


#122
benzyl chloride
Concen: 42.8201 ug/L
RT: 8.499 min Scan# 2616
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion:126 Resp: 182811

Ion	Ratio	Lower	Upper
126	100		
128	31.7	0.0	59.1

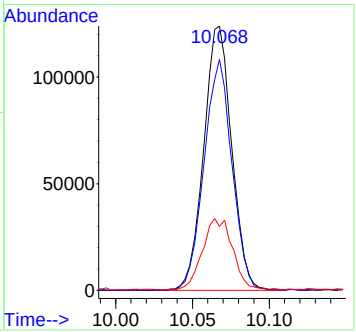




#123
2-methylnaphthalene
Concen: 18.3946 ug/L
RT: 10.068 min Scan# 3104
Delta R.T. 0.000 min
Lab File: 1K25219.d
Acq: 18 Oct 2025 2:08 am

Tgt Ion:142 Resp: 157168

Ion	Ratio	Lower	Upper
142	100		
141	87.2	56.3	116.3
115	24.0	4.7	64.7



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\diegop\October\20251020\V1K694\
Data File : 1K25221.d
Acq On : 18 Oct 2025 2:42 am
Operator : EDWARDD
Sample : je21034-6msd Inst : GCMSK
Misc : MS98248,V1K694,5,,,,4
ALS Vial : 63 Sample Multiplier: 1

Quant Time: Oct 20 16:51:27 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Oct 20 16:09:06 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.483	65	560053	500.00	ug/L		0.00
5) pentafluorobenzene	4.801	168	990576	50.00	ug/L		0.00
50) 1,4-difluorobenzene	5.164	114	1588946	50.00	ug/L		0.00
72) chlorobenzene-d5	7.103	117	1286263	50.00	ug/L		0.00
96) 1,4-dichlorobenzene-d4	8.373	152	620819	50.00	ug/L		0.00
124) pentafluorobenzene(a)	4.801	168	990576	50.00	ug/L		0.00
128) 1,4-dichlorobenzene-d4(a)	8.373	152	620819	50.00	ug/L		0.00
System Monitoring Compounds							
42) dibromofluoromethane (s)	4.518	113	404998	48.02	ug/L		0.00
Spiked Amount 50.000	Range 75 - 127		Recovery = 96.04%				
51) 1,2-dichloroethane-d4 (s)	4.872	65	484114	43.63	ug/L		0.00
Spiked Amount 50.000	Range 75 - 130		Recovery = 87.26%				
73) toluene-d8 (s)	6.116	98	1761027	48.94	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.88%				
97) 4-bromofluorobenzene (s)	7.785	95	595805	45.18	ug/L		0.00
Spiked Amount 50.000	Range 79 - 127		Recovery = 90.36%				
Target Compounds							Qvalue
2) ethanol	2.817	45	672151	8774.7430	ug/L		97
3) tertiary butyl alcohol	3.541	59	321103	230.1561	ug/L		84
4) 1,4-dioxane	5.666	88	116830	2115.6428	ug/L		90
6) chlorodifluoromethane	1.750	51	564883	40.3670	ug/L		99
7) dichlorodifluoromethane	1.714	85	433454	42.6539	ug/L		99
8) chloromethane	1.894	50	546227	46.9390	ug/L		97
9) vinyl chloride	1.965	62	508778	52.5257	ug/L		99
10) 1,3-butadiene	1.978	39	470086	47.6773	ug/L		99
11) bromomethane	2.245	96	131220	45.3801	ug/L	#	97
12) chloroethane	2.354	64	212989	38.8358	ug/L		95
13) trichlorofluoromethane	2.473	101	523898	38.6596	ug/L		98
14) ethyl ether	2.721	74	212687	47.3657	ug/L		90
16) freon 113	2.914	151	264600	46.4297	ug/L		98
17) 1,1-dichloroethene	2.891	61	557903	44.0319	ug/L		97
18) acetone	3.345	58	197715	204.9044	ug/L		94
19) acetonitrile	3.685	41	829954	652.8646	ug/L		98
20) iodomethane	3.017	142	249780	33.7180	ug/L		95
21) carbon disulfide	2.933	76	982058	47.0802	ug/L		99
22) methylene chloride	3.325	84	333858	47.2009	ug/L		92
23) methyl acetate	3.428	74	77351	47.0497	ug/L		97
24) methyl tert butyl ether	3.502	73	1045537	44.3729	ug/L		97
25) trans-1,2-dichloroethene	3.441	96	343807	46.0189	ug/L		98
26) hexane	3.492	57	823966	43.8587	ug/L		95
27) di-isopropyl ether	3.756	45	1406827	44.4962	ug/L		99
28) ethyl tert-butyl ether	4.000	59	1250774	44.5507	ug/L		97
29) 2-butanone	4.582	72	258246	208.4373	ug/L		97
30) 1,1-dichloroethane	3.872	63	696463	46.7648	ug/L		98
31) chloroprene	3.853	53	710733	43.3550	ug/L		94
33) vinyl acetate	4.013	86	95493	52.3845	ug/L		97
34) ethyl acetate	4.447	70	50419	46.3507	ug/L		95
35) 2,2-dichloropropane	4.306	77	502733	40.8672	ug/L		95
36) cis-1,2-dichloroethene	4.229	96	356953	46.9217	ug/L		99
37) propionitrile	4.788	54	892988	542.8127	ug/L		93
38) methyl acrylate	4.463	85	72967	48.8606	ug/L		97
39) bromochloromethane	4.364	128	170802	49.5685	ug/L		93
40) tetrahydrofuran	4.505	71	61199	46.7320	ug/L		96
41) chloroform	4.396	83	603771	42.3259	ug/L		98
43) methacrylonitrile	4.801	67	196382	44.6137	ug/L		92

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\diegop\October\20251020\V1K694\
Data File : 1K25221.d
Acq On : 18 Oct 2025 2:42 am
Operator : EDWARDD
Sample : je21034-6msd Inst : GCMSK
Misc : MS98248,V1K694,5,,,,4
ALS Vial : 63 Sample Multiplier: 1

Quant Time: Oct 20 16:51:27 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Oct 20 16:09:06 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 1,1,1-trichloroethane	4.550	97	515865	42.2570	ug/L		97
45) cyclohexane	4.373	84	566991	52.8100	ug/L		93
46) 1,1-dichloropropene	4.627	75	502131	46.8198	ug/L		98
47) carbon tetrachloride	4.508	117	471011	41.5471	ug/L		98
49) tert-amyl alcohol	4.933	55	110411	294.8077	ug/L		90
52) iso-octane	4.682	57	1142905	38.3653	ug/L		92
53) benzene	4.788	78	1404058	46.0664	ug/L		98
54) tert-amyl methyl ether	4.833	73	1096011	43.8517	ug/L		97
55) heptane	4.734	57	195155	43.0370	ug/L		92
56) isopropyl acetate	5.023	87	100905	44.5859	ug/L	#	93
57) 1,2-dichloroethane	4.914	62	483383	39.3066	ug/L		98
58) n-butyl alcohol	5.306	56	920715	4291.8207	ug/L		97
59) ethyl acrylate	5.467	55	671607	44.1949	ug/L		100
60) trichloroethene	5.158	130	382465	50.0018	ug/L		98
61) 2-nitropropane	6.303	41	148440	40.4648	ug/L		94
63) methyl methacrylate	5.608	100	122118	45.8563	ug/L		96
64) 1,2-dichloropropane	5.505	63	399265	47.1303	ug/L		92
65) methylcyclohexane	5.164	98	257461	46.4992	ug/L		96
66) dibromomethane	5.441	93	202485	44.2247	ug/L		96
67) bromodichloromethane	5.534	83	442068	42.7446	ug/L		97
68) epichlorohydrin	6.148	57	296781	238.1795	ug/L		99
69) cis-1,3-dichloropropene	5.981	75	576787	45.6111	ug/L		95
70) 4-methyl-2-pentanone	6.377	58	852970	175.6077	ug/L		99
71) 3-methyl-1-butanol	6.209	70	305430	1389.3844	ug/L		97
74) toluene	6.151	92	891159	46.2471	ug/L		95
75) ethyl methacrylate	6.486	69	517624	45.7861	ug/L		97
76) trans-1,3-dichloropropene	6.415	75	549406	44.0068	ug/L		98
77) 1,1,2-trichloroethane	6.524	83	258313	47.3180	ug/L		98
78) tetrachloroethene	6.415	166	351852	47.0003	ug/L		99
79) 2-hexanone	6.901	58	901851	177.8100	ug/L		99
80) 1,3-dichloropropane	6.705	76	557572	45.6156	ug/L		98
81) butyl acetate	6.827	56	360180	43.8121	ug/L		99
82) dibromochloromethane	6.647	129	350061	45.5587	ug/L		97
83) 1,2-dibromoethane	6.807	107	313421	45.3914	ug/L		93
84) n-butyl ether	7.007	57	1931508	47.6550	ug/L		99
85) chlorobenzene	7.116	112	970622	48.6929	ug/L		95
86) 1,1,1,2-tetrachloroethane	7.145	131	334584	45.6024	ug/L		96
87) ethylbenzene	7.116	91	1673993	45.7585	ug/L		98
88) m,p-xylene	7.200	106	1314216	95.6812	ug/L		92
89) o-xylene	7.450	106	624910	47.5725	ug/L		95
90) styrene	7.476	104	1057205	47.6387	ug/L		96
91) bromoform	7.508	173	245730	44.8668	ug/L		98
92) butyl acrylate	7.518	55	987754	46.1827	ug/L		98
93) isopropylbenzene	7.618	105	1543724	47.3642	ug/L		99
94) n-amyl acetate	7.656	70	318952	45.4106	ug/L	#	90
95) cis-1,4-dichloro-2-butene	7.811	88	171755	34.8086	ug/L		92
98) bromobenzene	7.852	156	378234	45.9265	ug/L		94
99) 1,1,2,2-tetrachloroethane	7.881	83	452741	44.1346	ug/L		96
100) trans-1,4-dichloro-2-b...	7.975	53	148934	32.3678	ug/L		97
101) 1,2,3-trichloropropane	7.965	110	144813	42.2123	ug/L		98
102) n-propylbenzene	7.843	91	1792641	46.9329	ug/L		98
103) 2-chlorotoluene	7.942	126	378793	48.7622	ug/L		90
104) 4-chlorotoluene	8.029	91	1105203	44.0992	ug/L		95
105) 1,3,5-trimethylbenzene	7.939	105	1213931	46.4790	ug/L		98
106) tert-butylbenzene	8.116	119	1036335	46.2187	ug/L		94
107) 1,2,4-trimethylbenzene	8.148	105	1228297	45.3481	ug/L		100
108) sec-butylbenzene	8.206	105	1418883	47.2249	ug/L		99
109) 1,3-dichlorobenzene	8.338	146	709854	47.1067	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\diegop\October\20251020\V1K694\
Data File : 1K25221.d
Acq On : 18 Oct 2025 2:42 am
Operator : EDWARDD
Sample : je21034-6msd Inst : GCMSK
Misc : MS98248,V1K694,5,,,,4
ALS Vial : 63 Sample Multiplier: 1

Quant Time: Oct 20 16:51:27 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Oct 20 16:09:06 2025
Response via : Initial Calibration

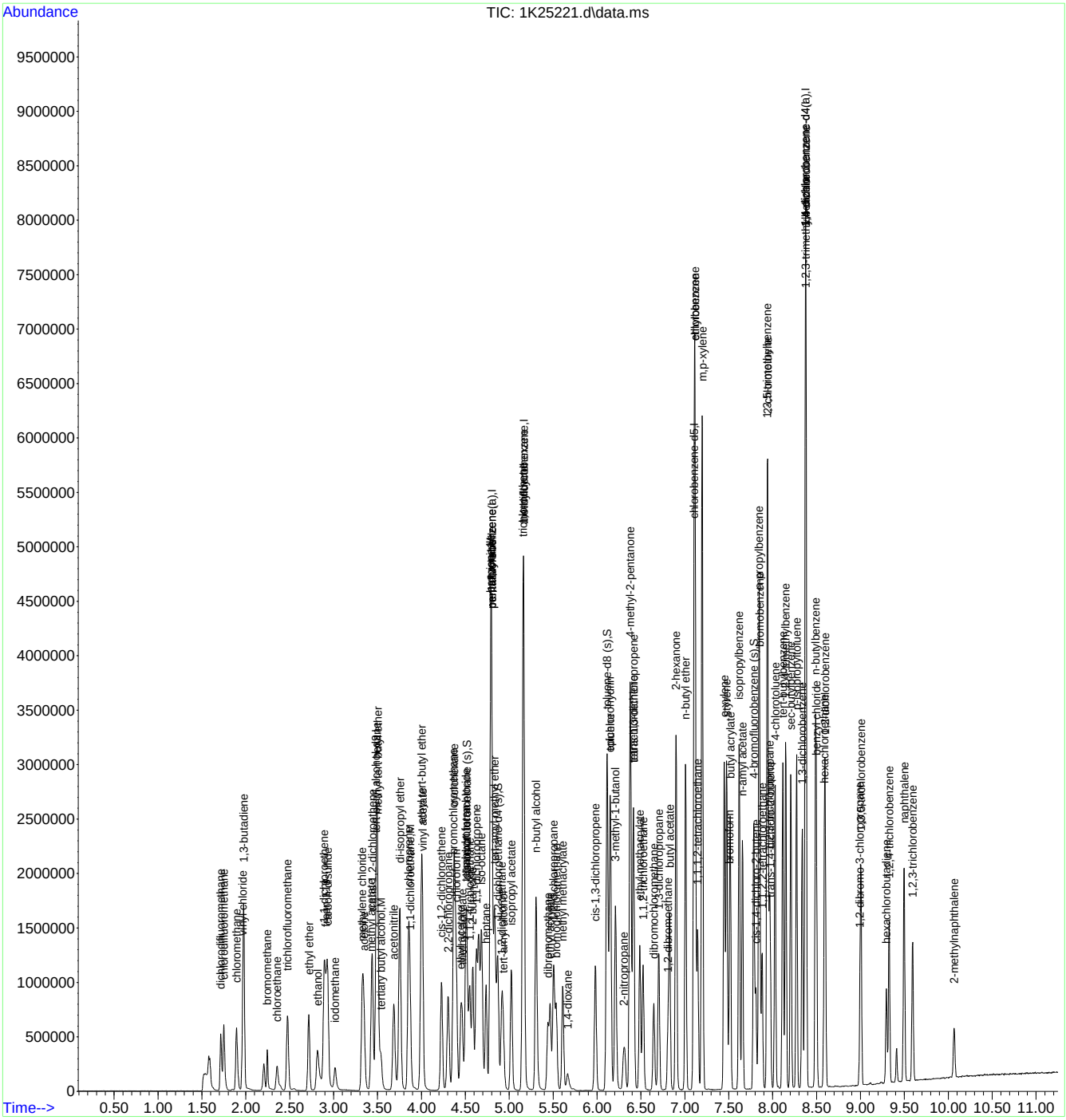
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110) p-isopropyltoluene	8.274	119	1242545	47.6054	ug/L	97
111) 1,4-dichlorobenzene	8.380	146	718670	46.1805	ug/L	98
112) 1,2-dichlorobenzene	8.598	146	670777	46.5909	ug/L	97
113) 1,2,3-trimethylbenzene	8.376	105	1245258	45.1638	ug/L	97
114) n-butylbenzene	8.489	92	610206	43.9396	ug/L	96
115) 1,2-dibromo-3-chloropr...	8.994	157	125378	43.2065	ug/L	91
116) 1,3,5-trichlorobenzene	9.007	180	390313	45.8424	ug/L	98
117) 1,2,4-trichlorobenzene	9.328	180	340893	44.9044	ug/L	98
118) hexachlorobutadiene	9.296	225	124805	46.7748	ug/L	98
119) naphthalene	9.499	128	1129048	45.3967	ug/L	99
120) 1,2,3-trichlorobenzene	9.595	180	303885	45.3132	ug/L	99
121) hexachloroethane	8.589	119	202863	43.0965	ug/L	99
122) benzyl chloride	8.499	126	194775	42.8677	ug/L	95
123) 2-methylnaphthalene	10.068	142	187765	20.6487	ug/L	94

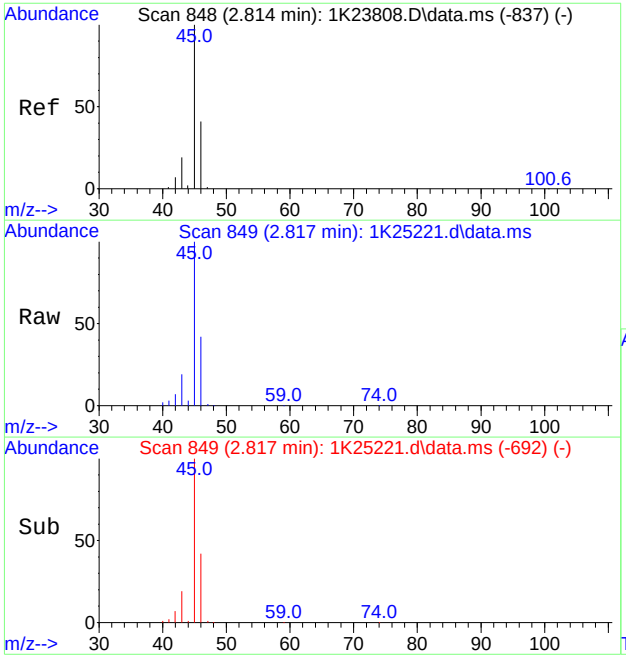
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\diegop\October\20251020\V1K694\
Data File : 1K25221.d
Acq On : 18 Oct 2025 2:42 am
Operator : EDWARDD
Sample : je21034-6msd Inst : GCMSK
Misc : MS98248,V1K694,5,,,,4
ALS Vial : 63 Sample Multiplier: 1

Quant Time: Oct 20 16:51:27 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Oct 20 16:09:06 2025
Response via : Initial Calibration

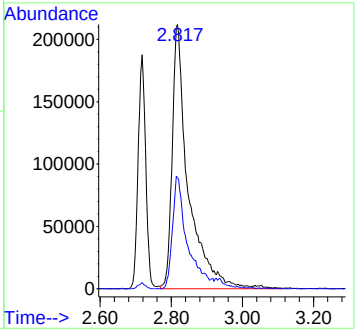


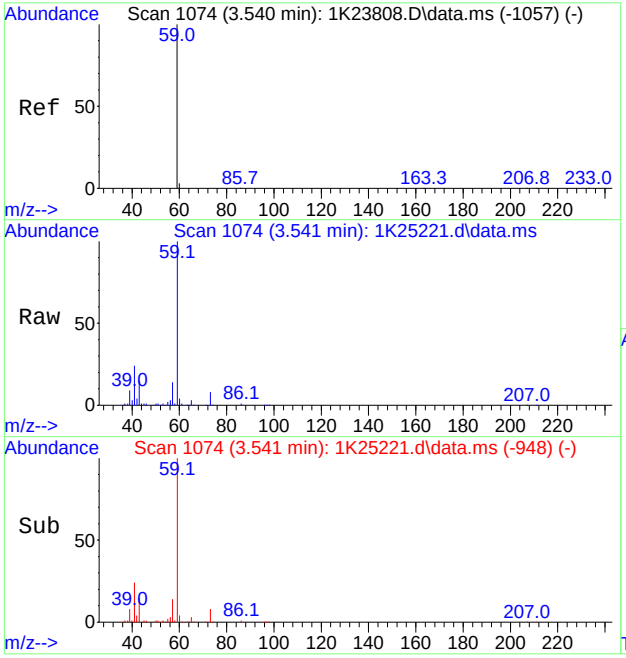


#2
ethanol
Concen: 8774.7430 ug/L
RT: 2.817 min Scan# 849
Delta R.T. 0.003 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion: 45 Resp: 672151

Ion	Ratio	Lower	Upper
45	100		
46	42.1	20.3	60.3

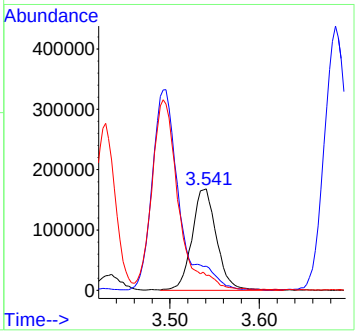


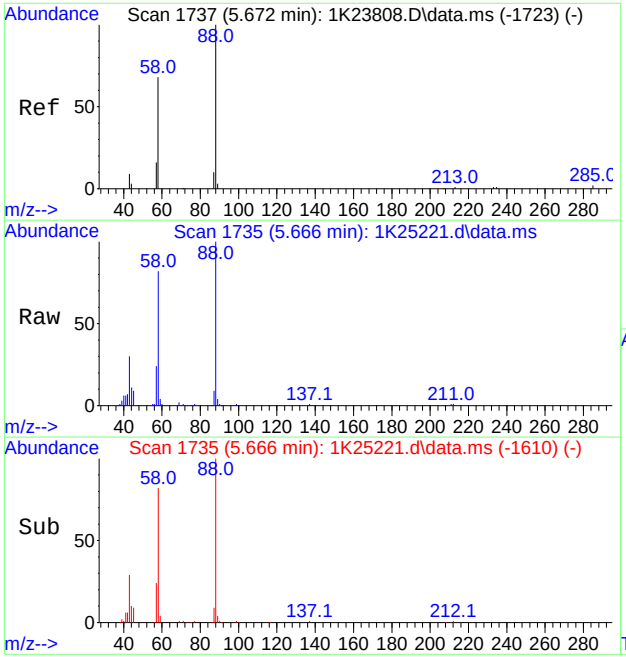


#3
tertiary butyl alcohol
Concen: 230.1561 ug/L
RT: 3.541 min Scan# 1074
Delta R.T. 0.007 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion: 59 Resp: 321103

Ion	Ratio	Lower	Upper
59	100		
41	23.1	0.0	46.0
43	14.1	0.0	51.1

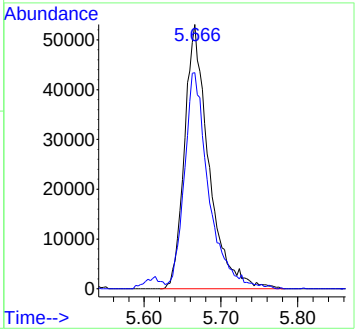


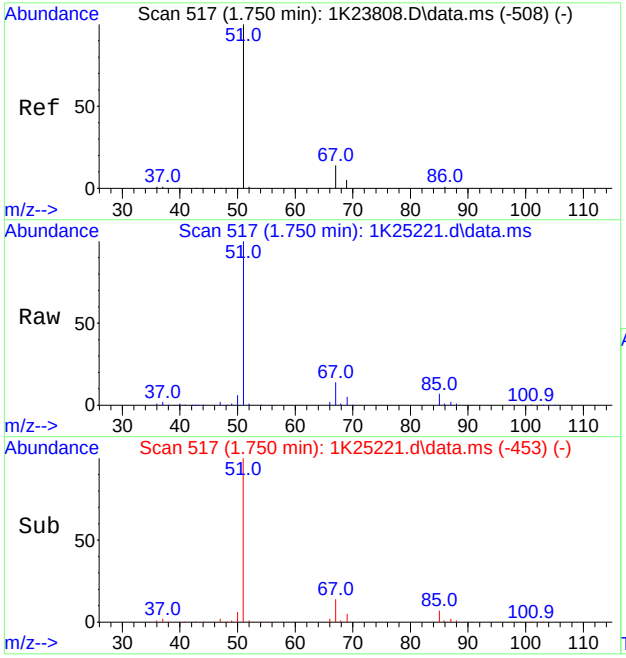


#4
1,4-dioxane
Concen: 2115.6428 ug/L
RT: 5.666 min Scan# 1735
Delta R.T. 0.003 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion: 88 Resp: 116830

Ion	Ratio	Lower	Upper
88	100		
58	81.8	53.2	93.2

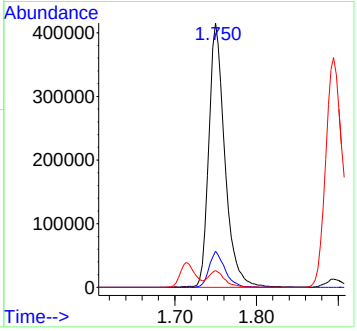


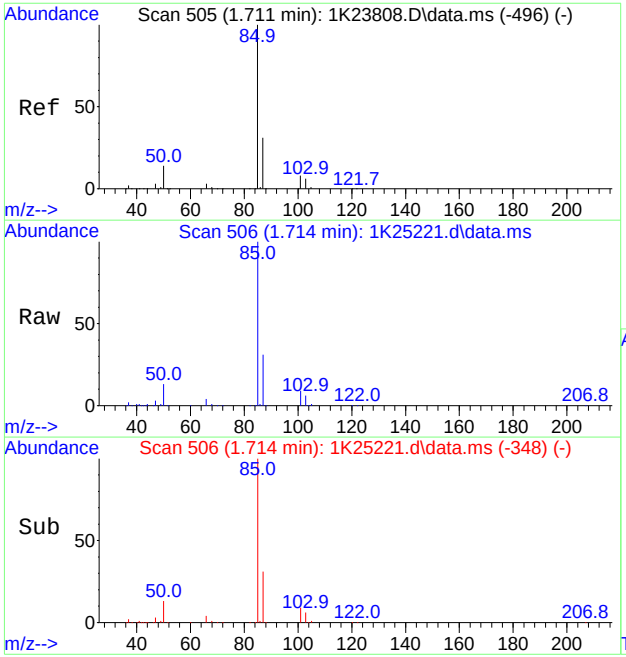


#6
chlorodifluoromethane
Concen: 40.3670 ug/L
RT: 1.750 min Scan# 517
Delta R.T. 0.007 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion: 51 Resp: 564883

Ion	Ratio	Lower	Upper
51	100		
67	13.7	0.0	44.3
50	6.4	0.0	36.5

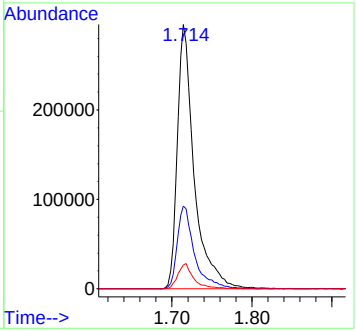


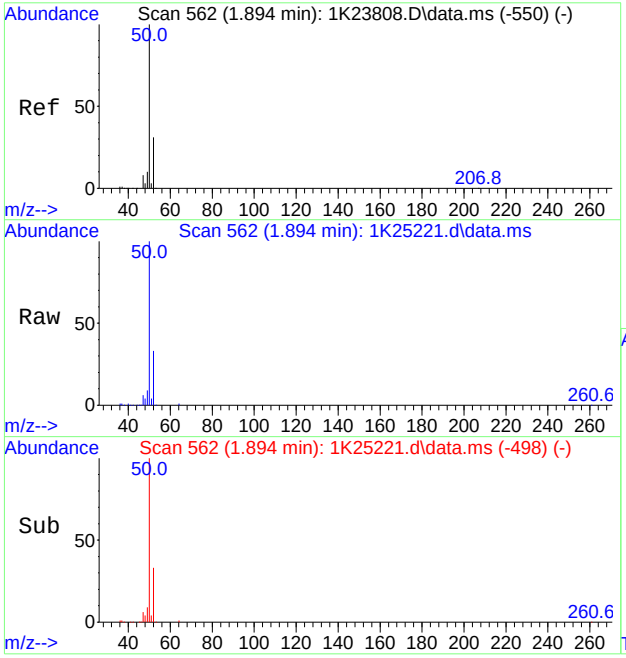


#7
dichlorodifluoromethane
Concen: 42.6539 ug/L
RT: 1.714 min Scan# 506
Delta R.T. 0.007 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion: 85 Resp: 433454

Ion	Ratio	Lower	Upper
85	100		
87	31.2	0.7	60.7
101	9.0	0.0	38.3

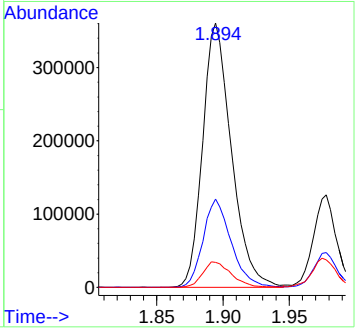


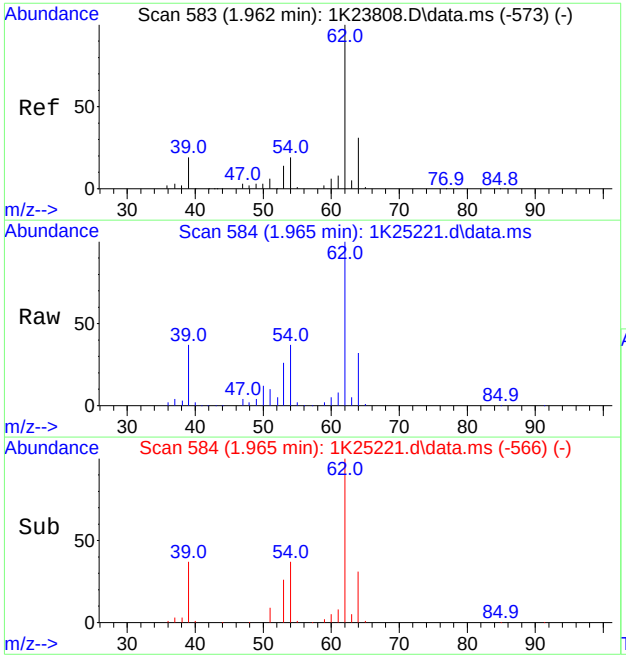


#8
chloromethane
Concen: 46.9390 ug/L
RT: 1.894 min Scan# 562
Delta R.T. 0.007 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion: 50 Resp: 546227

Ion	Ratio	Lower	Upper
50	100		
52	33.5	1.4	61.4
49	9.5	0.0	40.1

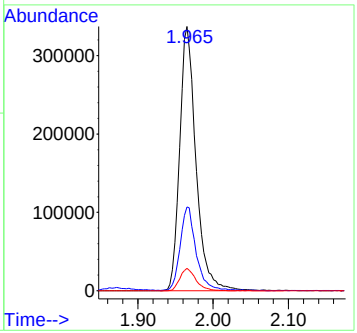


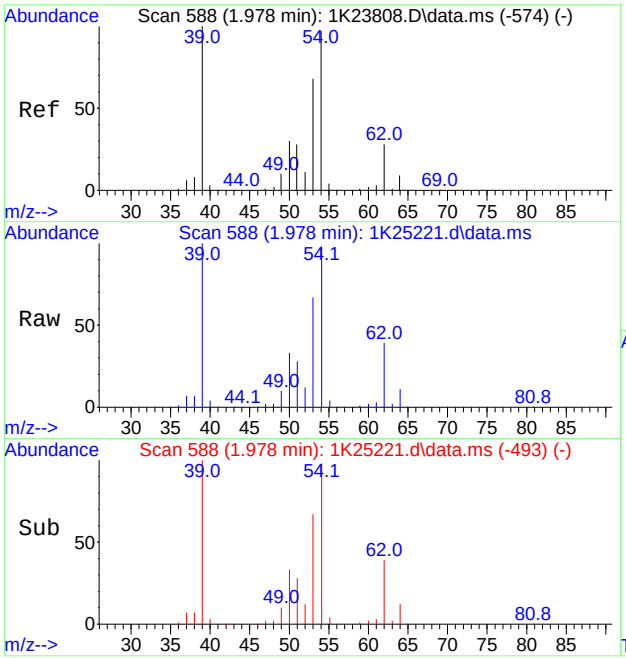


#9
vinyl chloride
Concen: 52.5257 ug/L
RT: 1.965 min Scan# 584
Delta R.T. 0.007 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion: 62 Resp: 508778

Ion	Ratio	Lower	Upper
62	100		
64	31.6	0.6	60.6
61	8.5	0.0	38.4

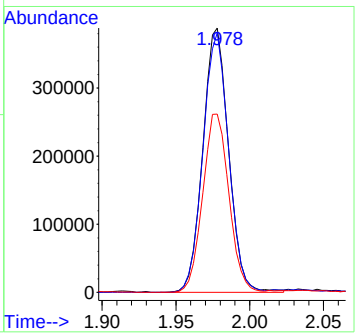


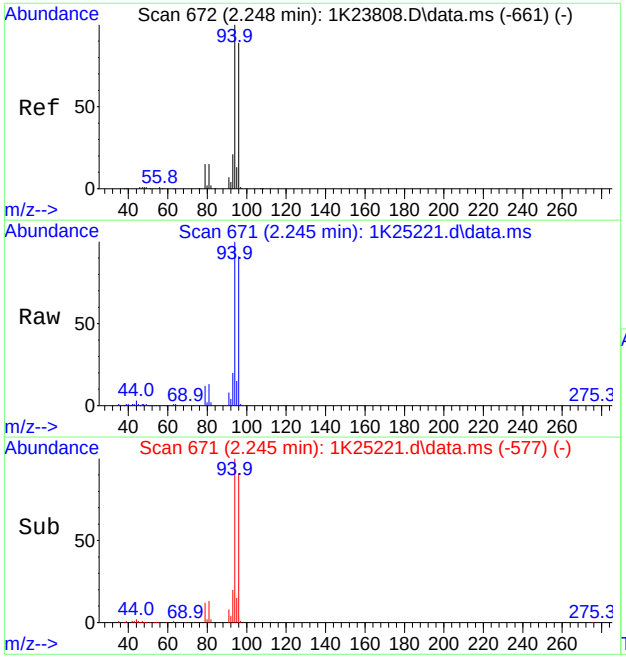


#10
1,3-butadiene
Concen: 47.6773 ug/L
RT: 1.978 min Scan# 588
Delta R.T. 0.007 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion: 39 Resp: 470086

Ion	Ratio	Lower	Upper
39	100		
54	98.2	67.0	127.0
53	67.4	38.5	98.5

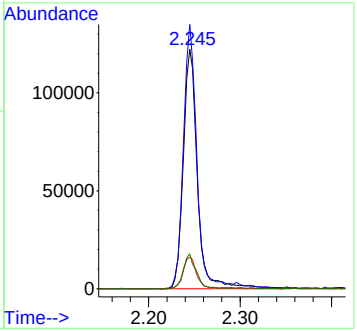


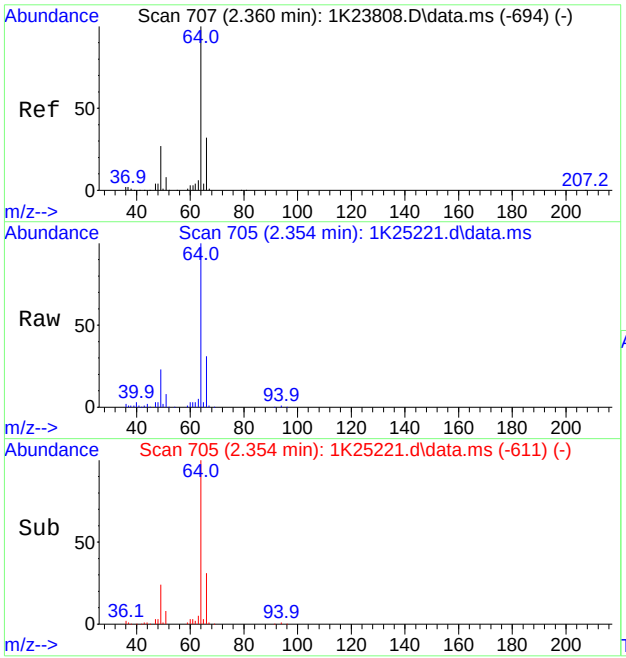


#11
bromomethane
Concen: 45.3801 ug/L
RT: 2.245 min Scan# 671
Delta R.T. 0.003 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion: 96 Resp: 131220

Ion	Ratio	Lower	Upper
96	100		
94	110.4	82.9	142.9
79	13.3	17.4	17.4#
81	14.6	0.0	36.4

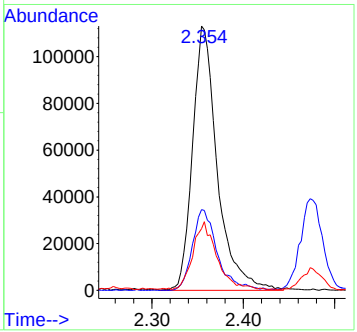




#12
chloroethane
Concen: 38.8358 ug/L
RT: 2.354 min Scan# 705
Delta R.T. 0.003 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

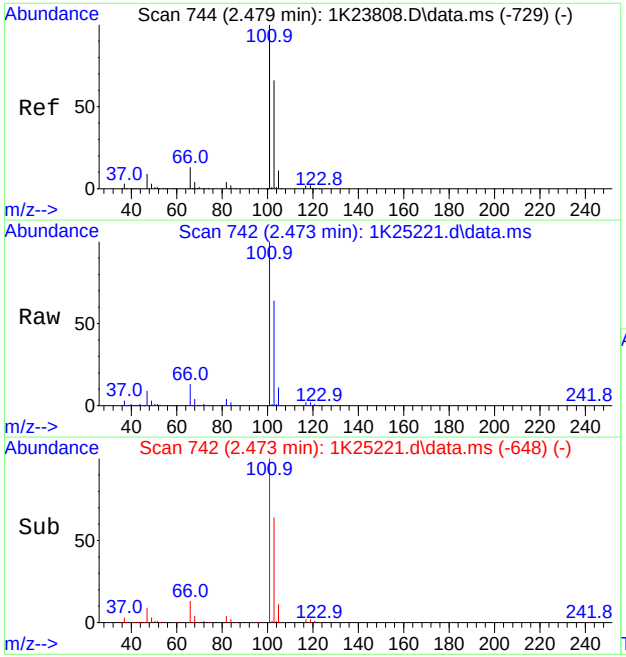
Tgt Ion: 64 Resp: 212989

Ion	Ratio	Lower	Upper
64	100		
66	30.6	1.6	61.6
49	22.9	0.0	57.3



7.4.2

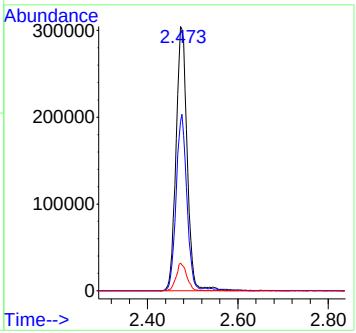
7

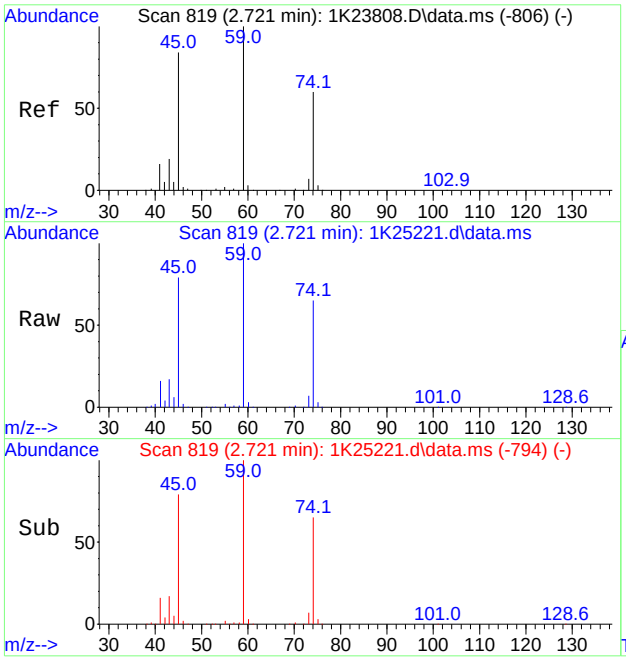


#13
trichlorofluoromethane
Concen: 38.6596 ug/L
RT: 2.473 min Scan# 742
Delta R.T. 0.003 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion:101 Resp: 523898

Ion	Ratio	Lower	Upper
101	100		
103	64.1	35.9	95.9
105	10.5	0.0	40.9

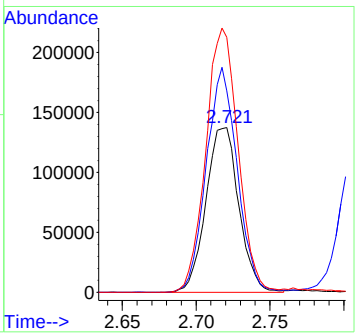


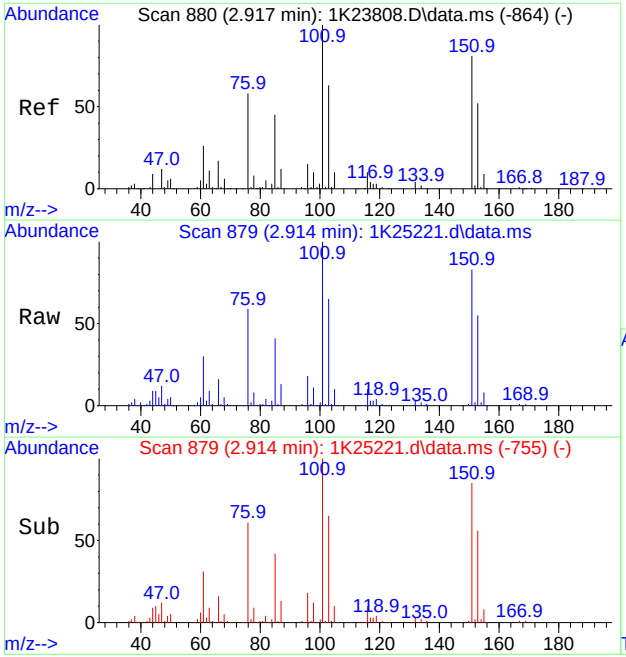


#14
ethyl ether
Concen: 47.3657 ug/L
RT: 2.721 min Scan# 819
Delta R.T. 0.010 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion: 74 Resp: 212687

Ion	Ratio	Lower	Upper
74	100		
45	122.2	108.3	168.3
59	154.7	135.3	195.3

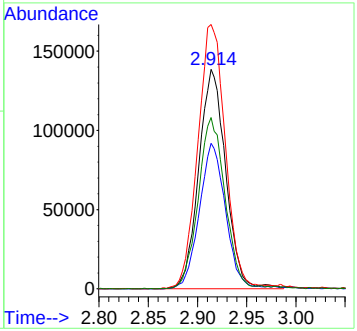


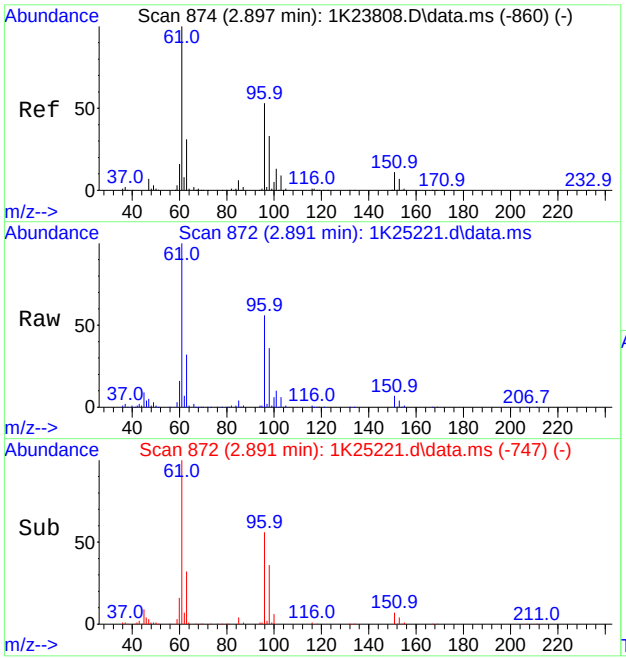


#16
freon 113
Concen: 46.4297 ug/L
RT: 2.914 min Scan# 879
Delta R.T. 0.000 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion:151 Resp: 264600

Ion	Ratio	Lower	Upper
151	100		
153	66.3	44.4	84.4
101	120.6	102.8	142.8
103	78.0	57.7	97.7

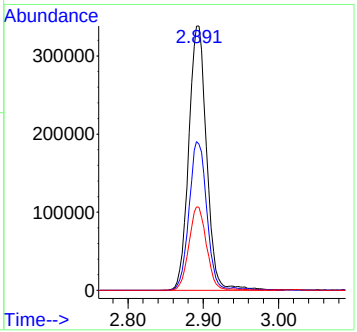


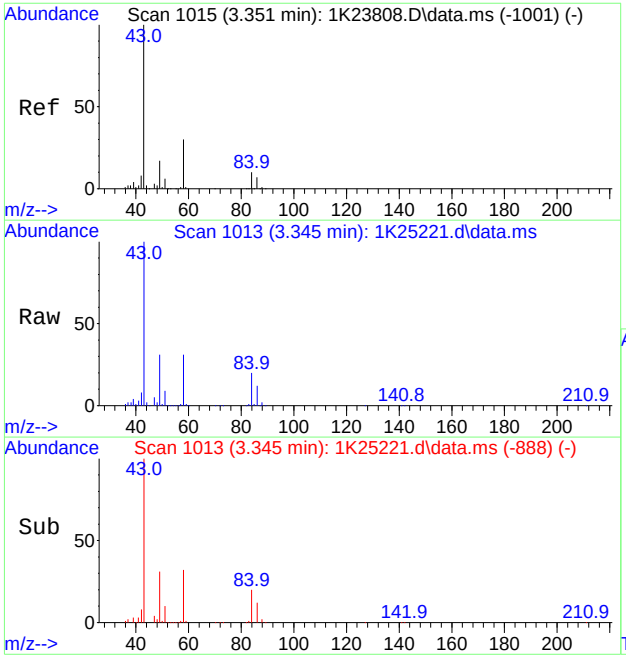


#17
1,1-dichloroethene
Concen: 44.0319 ug/L
RT: 2.891 min Scan# 872
Delta R.T. 0.003 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion: 61 Resp: 557903

Ion	Ratio	Lower	Upper
61	100		
96	56.3	23.2	83.2
63	31.6	1.0	61.0

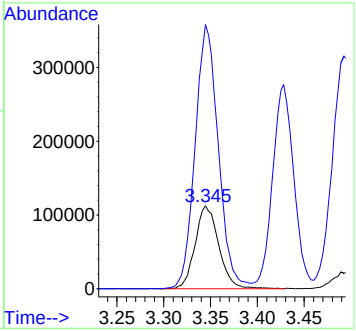


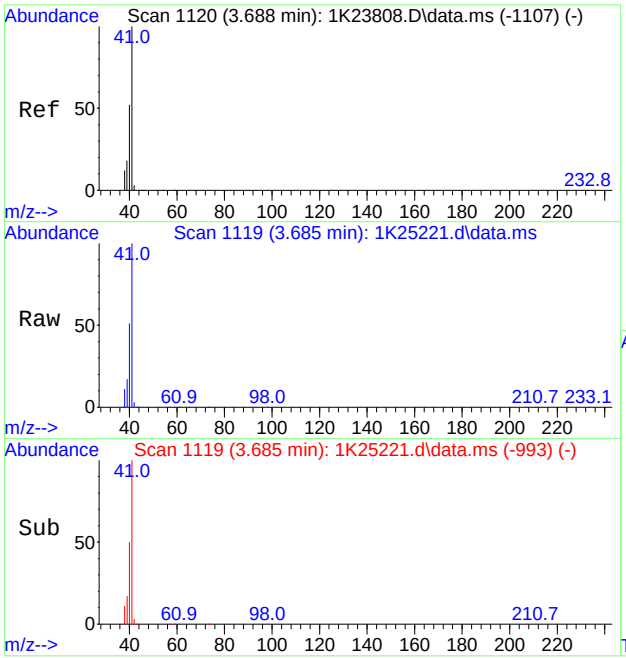


#18
acetone
Concen: 204.9044 ug/L
RT: 3.345 min Scan# 1013
Delta R.T. 0.003 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion: 58 Resp: 197715

Ion	Ratio	Lower	Upper
58	100		
43	318.6	300.4	360.4

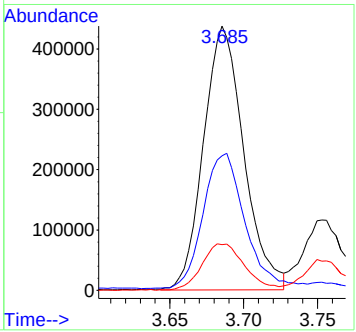


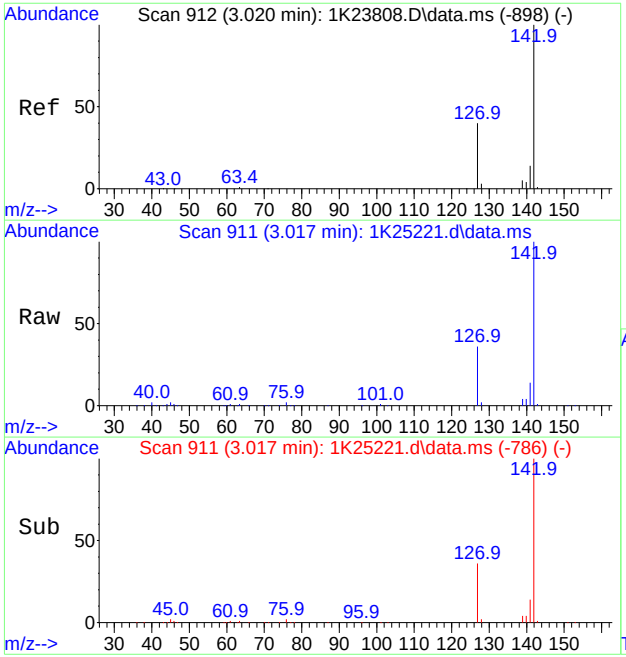


#19
acetonitrile
Concen: 652.8646 ug/L
RT: 3.685 min Scan# 1119
Delta R.T. 0.007 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion: 41 Resp: 829954

Ion	Ratio	Lower	Upper
41	100		
40	50.3	21.7	81.7
39	17.2	0.0	47.9

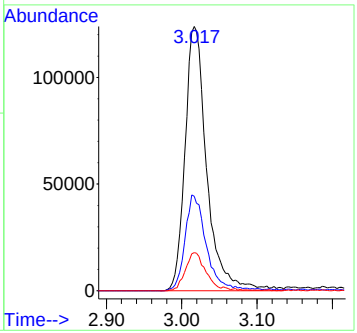


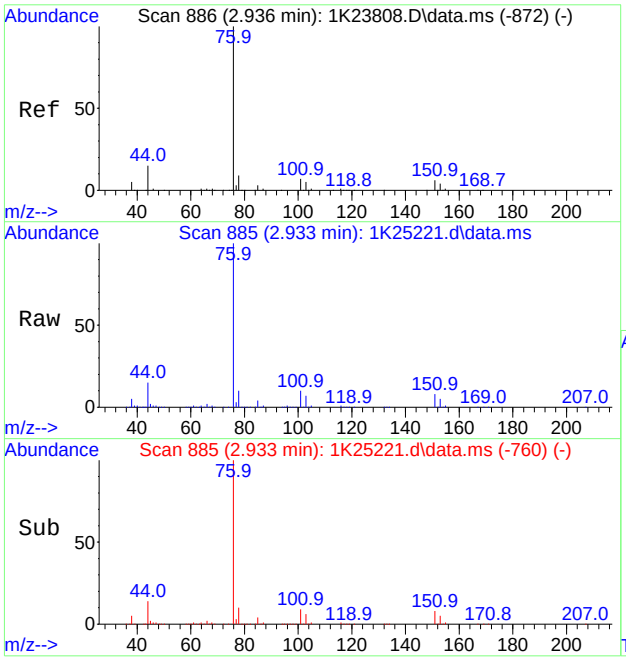


#20
iodomethane
Concen: 33.7180 ug/L
RT: 3.017 min Scan# 911
Delta R.T. 0.003 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion:142 Resp: 249780

Ion	Ratio	Lower	Upper
142	100		
127	35.7	9.9	69.9
141	14.4	0.0	44.3

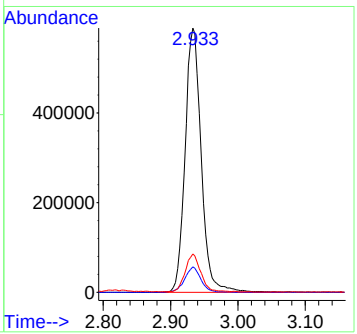


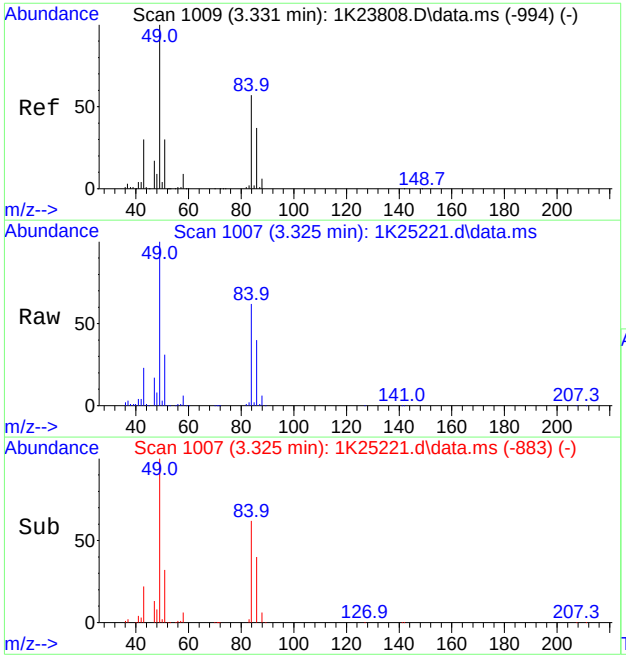


#21
carbon disulfide
Concen: 47.0802 ug/L
RT: 2.933 min Scan# 885
Delta R.T. 0.003 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion: 76 Resp: 982058

Ion	Ratio	Lower	Upper
76	100		
78	9.6	0.0	39.5
44	14.4	0.0	44.8

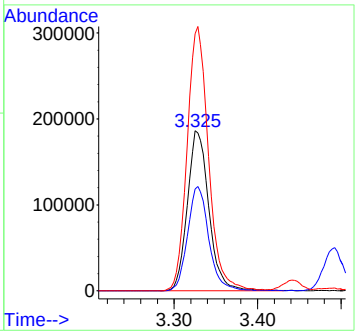


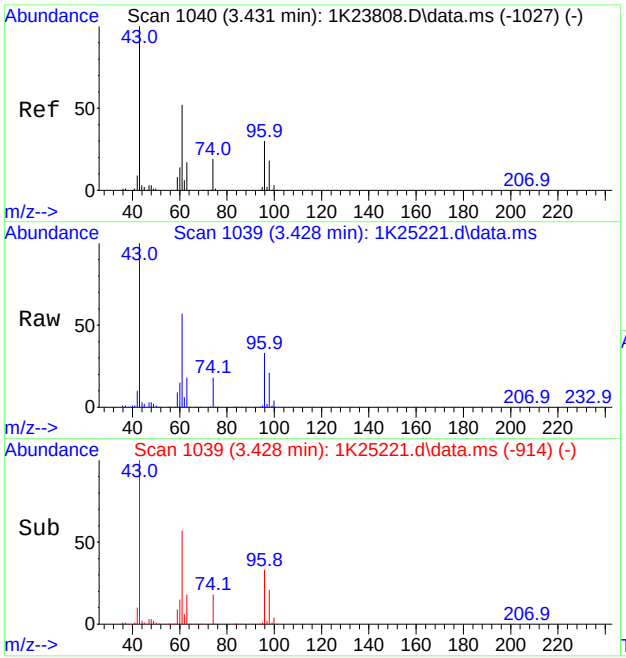


#22
methylene chloride
Concen: 47.2009 ug/L
RT: 3.325 min Scan# 1007
Delta R.T. 0.000 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion: 84 Resp: 333858

Ion	Ratio	Lower	Upper
84	100		
86	63.6	35.3	95.3
49	160.6	144.8	204.8

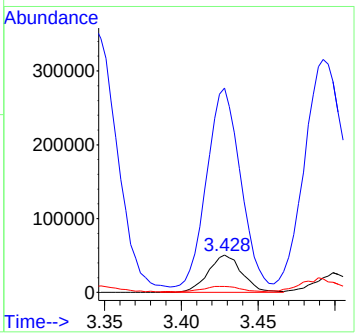


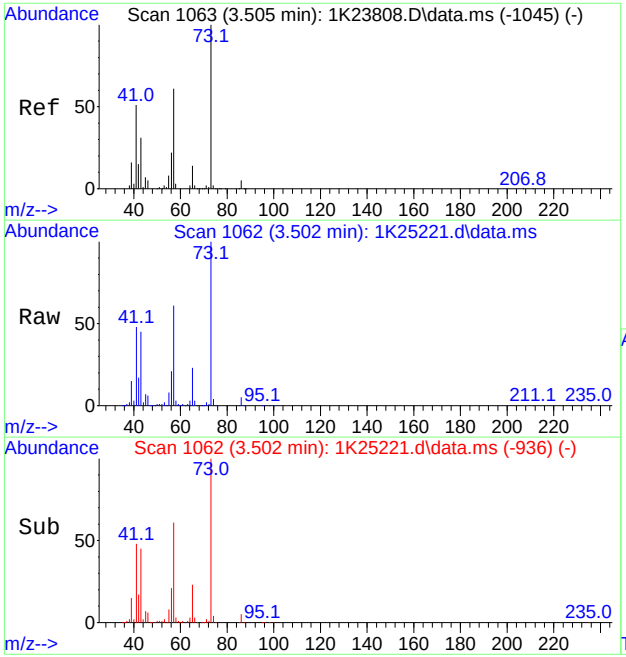


#23
methyl acetate
Concen: 47.0497 ug/L
RT: 3.428 min Scan# 1039
Delta R.T. 0.003 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion: 74 Resp: 77351

Ion	Ratio	Lower	Upper
74	100		
43	530.0	491.2	551.2
44	14.0	0.0	44.3

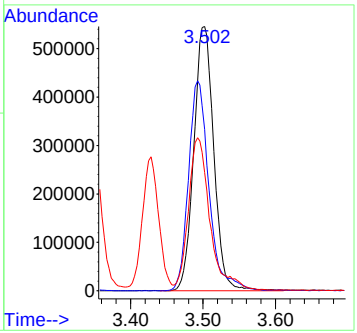


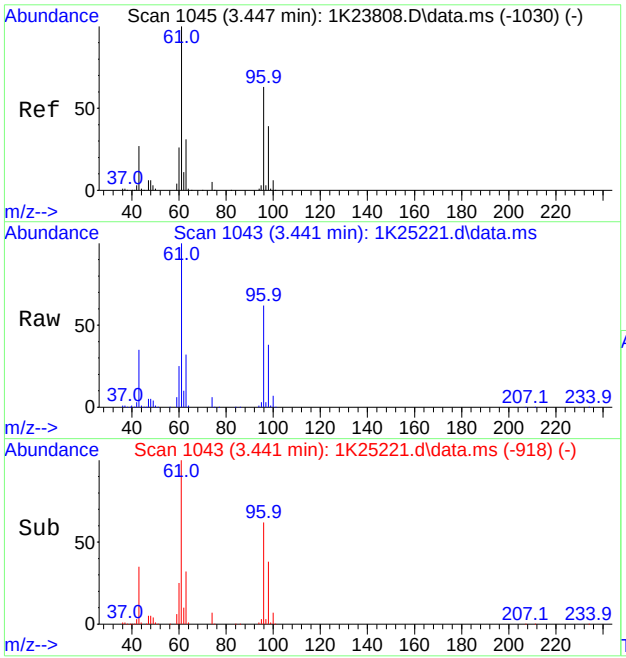


#24
methyl tert butyl ether
Concen: 44.3729 ug/L
RT: 3.502 min Scan# 1062
Delta R.T. 0.007 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion: 73 Resp: 1045537

Ion	Ratio	Lower	Upper
73	100		
57	61.1	30.7	90.7
43	44.5	18.2	78.2

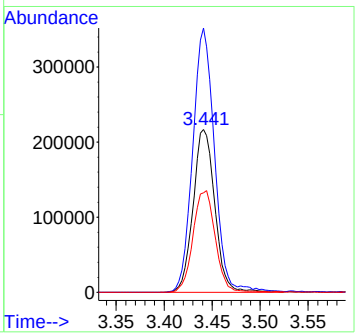


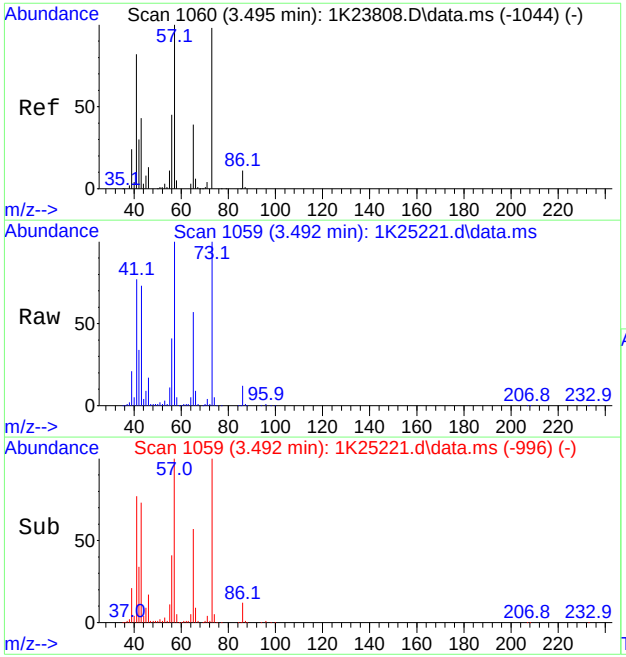


#25
trans-1,2-dichloroethene
Concen: 46.0189 ug/L
RT: 3.441 min Scan# 1043
Delta R.T. 0.003 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion: 96 Resp: 343807

Ion	Ratio	Lower	Upper
96	100		
61	162.3	128.8	188.8
98	61.1	32.4	92.4

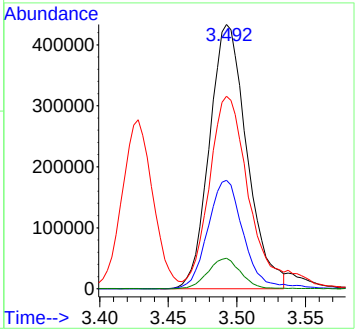


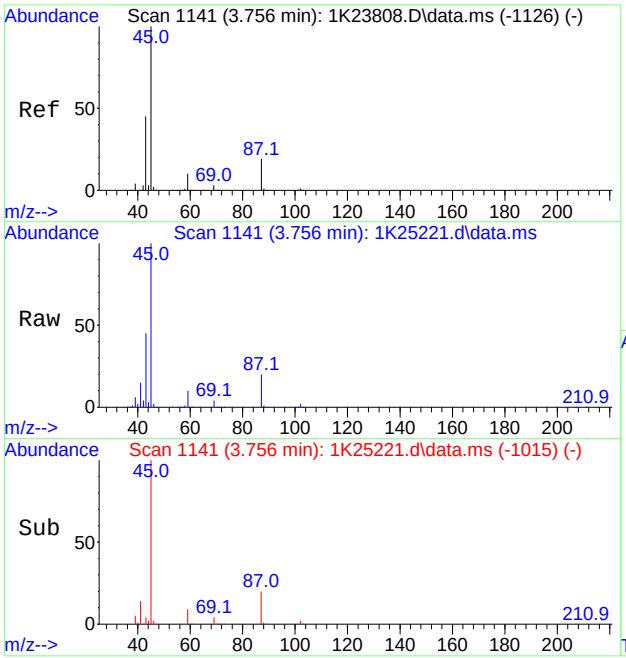


#26
hexane
Concen: 43.8587 ug/L
RT: 3.492 min Scan# 1059
Delta R.T. 0.003 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion: 57 Resp: 823966

Ion	Ratio	Lower	Upper
57	100		
56	41.0	24.9	64.9
43	66.5	50.9	90.9
86	11.5	0.0	31.2

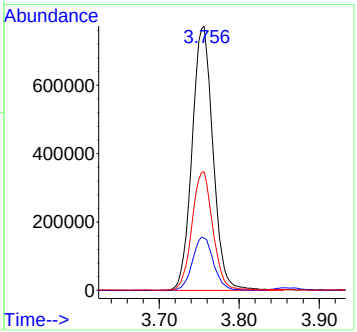


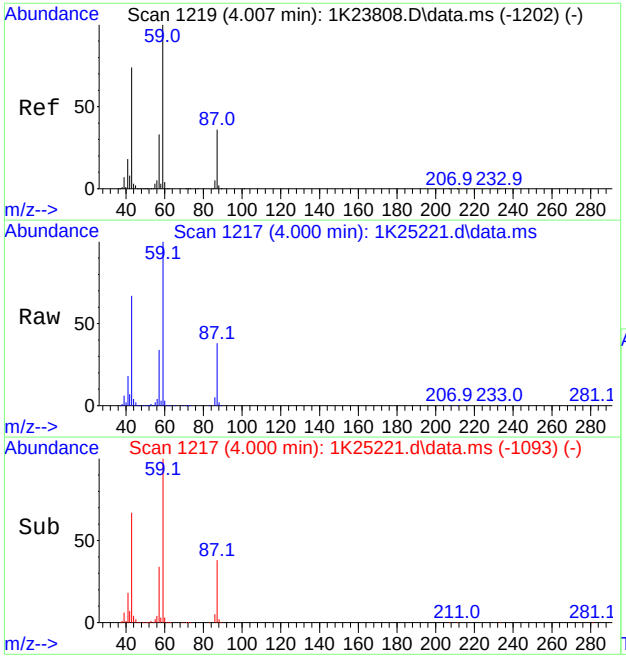


#27
di-isopropyl ether
Concen: 44.4962 ug/L
RT: 3.756 min Scan# 1141
Delta R.T. 0.007 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion: 45 Resp: 1406827

Ion	Ratio	Lower	Upper
45	100		
87	19.7	0.0	48.8
43	44.8	14.9	74.9

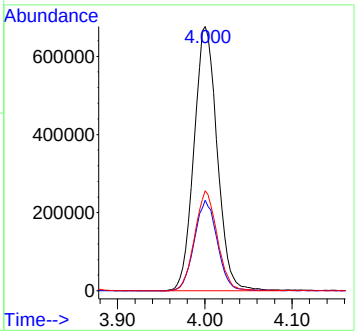


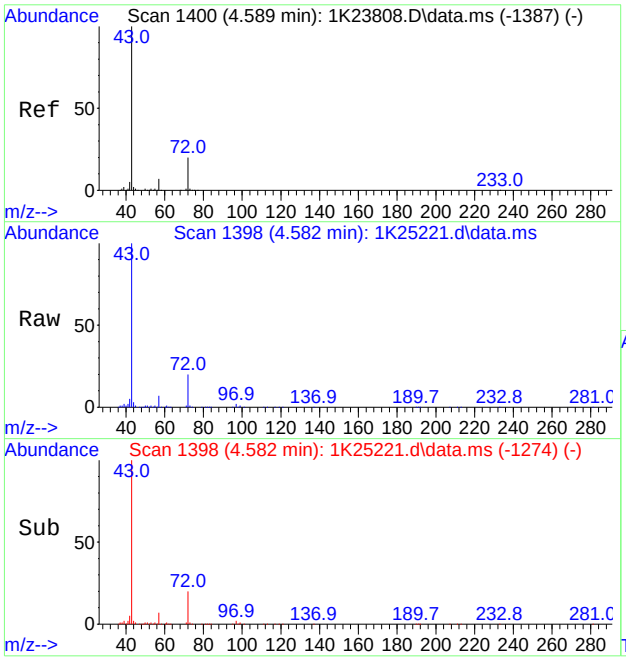


#28
ethyl tert-butyl ether
Concen: 44.5507 ug/L
RT: 4.000 min Scan# 1217
Delta R.T. 0.000 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion: 59 Resp: 1250774

Ion	Ratio	Lower	Upper
59	100		
57	34.3	2.6	62.6
87	37.8	5.8	65.8

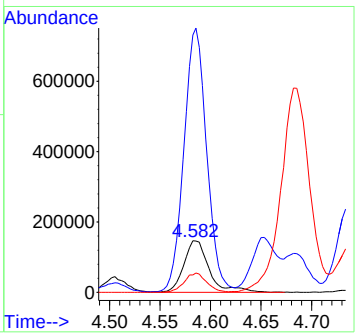


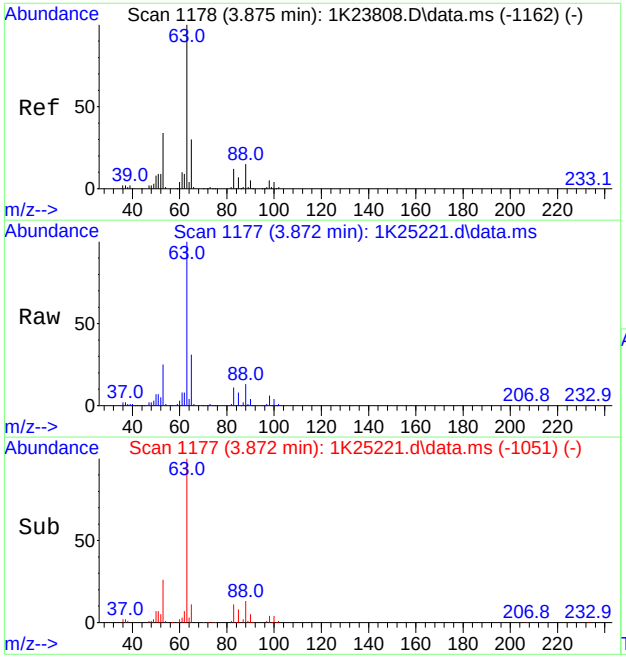


#29
2-butanone
Concen: 208.4373 ug/L
RT: 4.582 min Scan# 1398
Delta R.T. 0.000 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion: 72 Resp: 258246

Ion	Ratio	Lower	Upper
72	100		
43	498.1	475.4	535.4
57	33.8	5.7	65.7

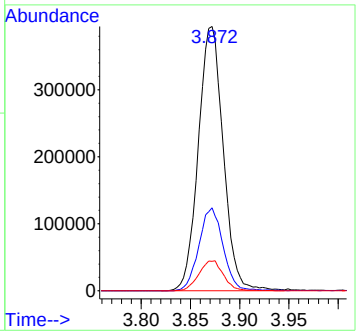


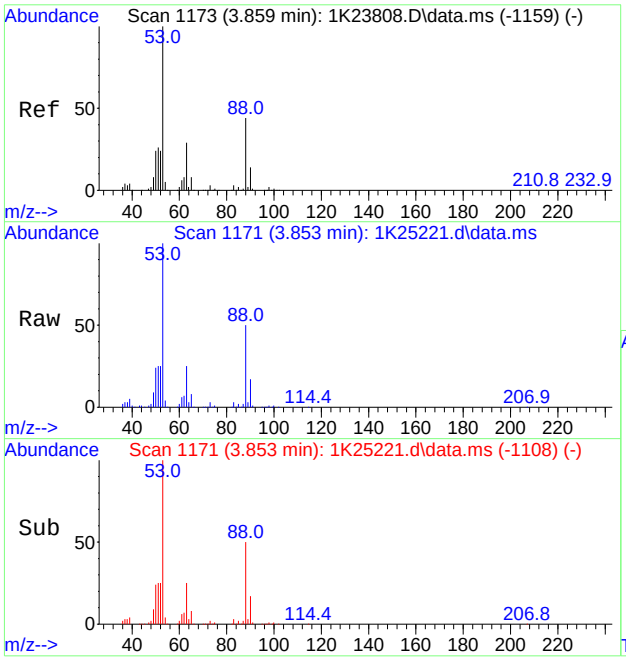


#30
1,1-dichloroethane
Concen: 46.7648 ug/L
RT: 3.872 min Scan# 1177
Delta R.T. 0.007 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion: 63 Resp: 696463

Ion	Ratio	Lower	Upper
63	100		
65	31.4	0.2	60.2
83	11.2	0.0	42.0

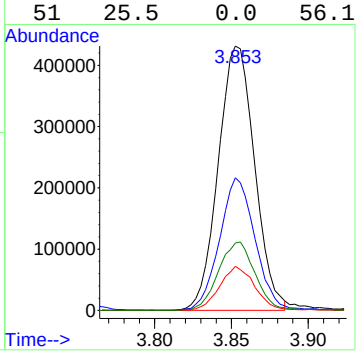


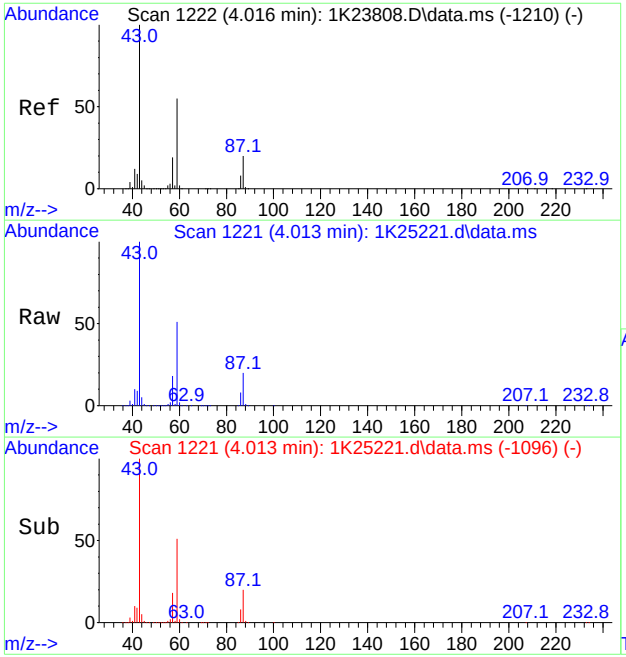


#31
chloroprene
Concen: 43.3550 ug/L
RT: 3.853 min Scan# 1171
Delta R.T. 0.003 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion: 53 Resp: 710733

Ion	Ratio	Lower	Upper
53	100		
88	50.1	13.8	73.8
90	16.6	0.0	44.2
51	25.5	0.0	56.1

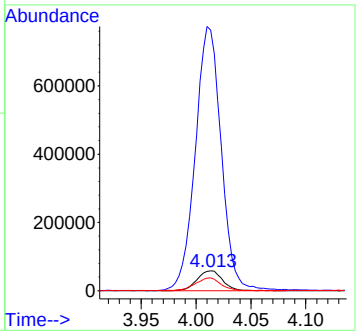


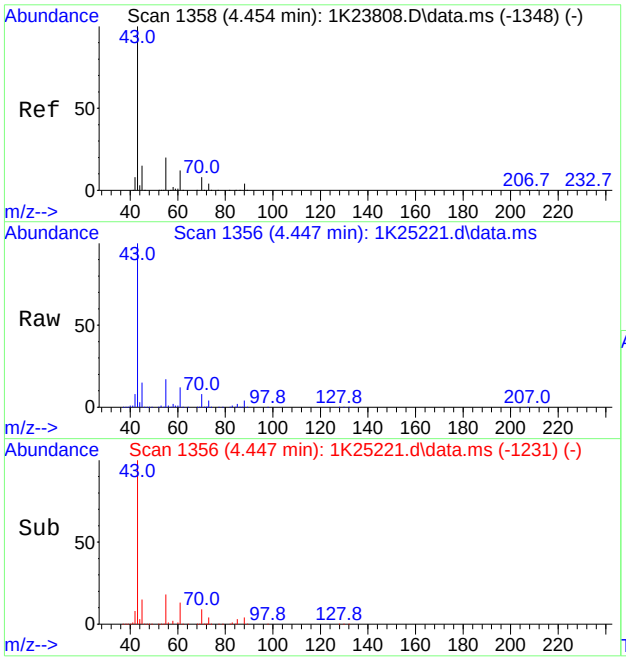


#33
vinyl acetate
Concen: 52.3845 ug/L
RT: 4.013 min Scan# 1221
Delta R.T. 0.003 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion: 86 Resp: 95493

Ion	Ratio	Lower	Upper
86	100		
43	1299.4	1252.8	1312.8
44	63.0	39.9	99.9

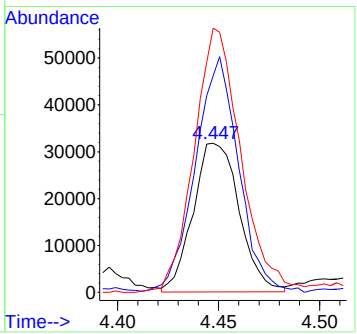


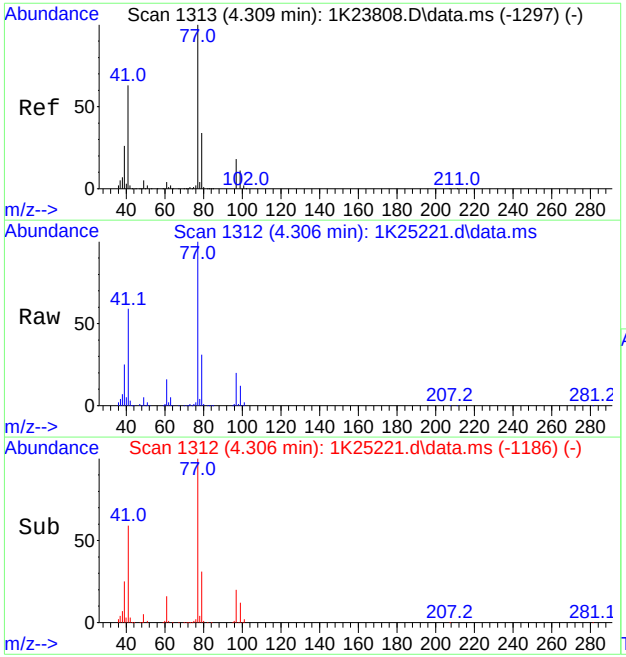


#34
ethyl acetate
Concen: 46.3507 ug/L
RT: 4.447 min Scan# 1356
Delta R.T. 0.003 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion: 70 Resp: 50419

Ion	Ratio	Lower	Upper
70	100		
61	146.3	124.4	184.4
45	179.3	156.4	216.4

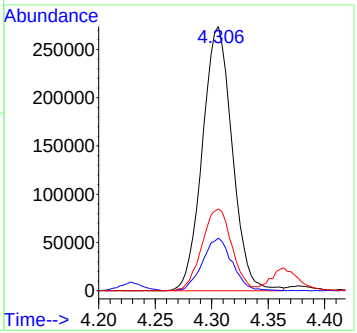


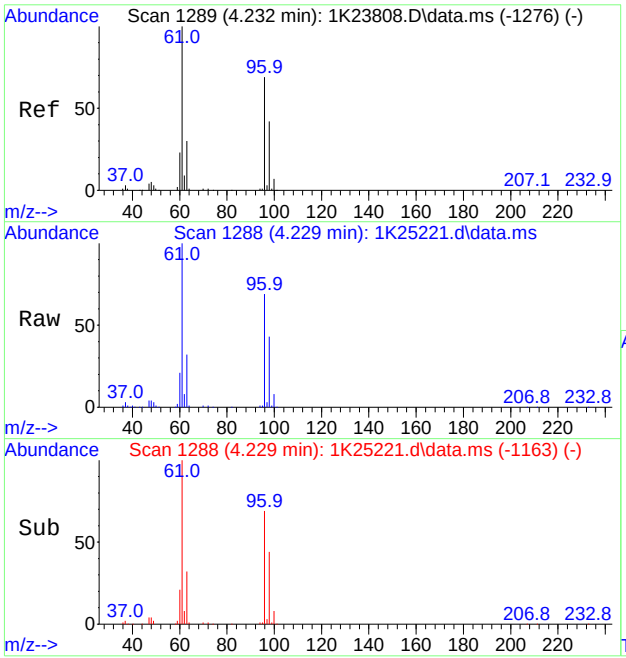


#35
2,2-dichloropropane
Concen: 40.8672 ug/L
RT: 4.306 min Scan# 1312
Delta R.T. 0.007 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion: 77 Resp: 502733

Ion	Ratio	Lower	Upper
77	100		
97	19.8	0.0	47.6
79	30.9	3.7	63.7

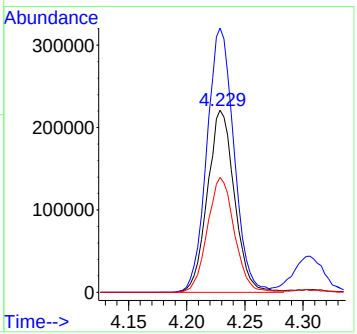


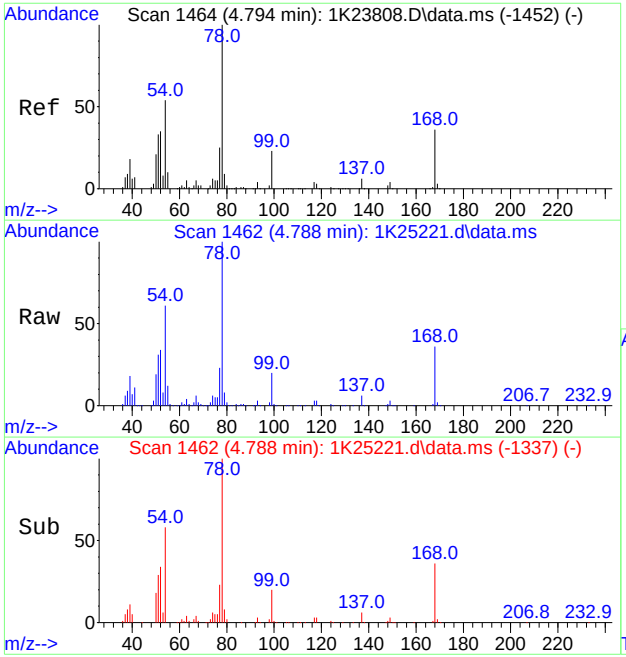


#36
cis-1,2-dichloroethene
Concen: 46.9217 ug/L
RT: 4.229 min Scan# 1288
Delta R.T. 0.003 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion: 96 Resp: 356953

Ion	Ratio	Lower	Upper
96	100		
61	145.1	114.3	174.3
98	63.0	30.5	90.5

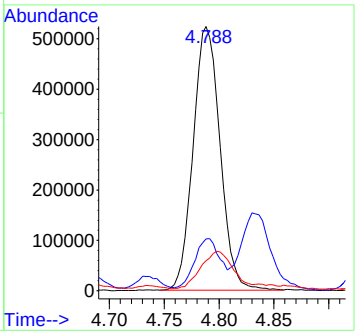


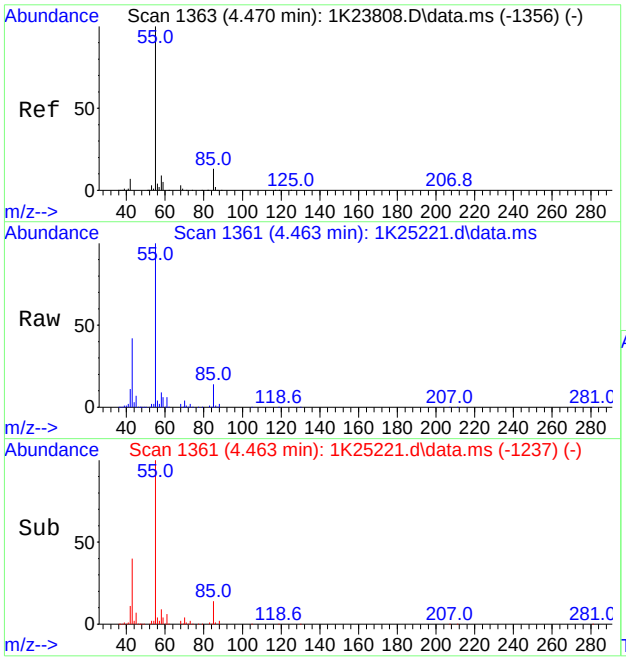


#37
propionitrile
Concen: 542.8127 ug/L
RT: 4.788 min Scan# 1462
Delta R.T. 0.003 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion: 54 Resp: 892988

Ion	Ratio	Lower	Upper
54	100		
55	16.3	0.0	50.4
40	10.0	0.0	41.8

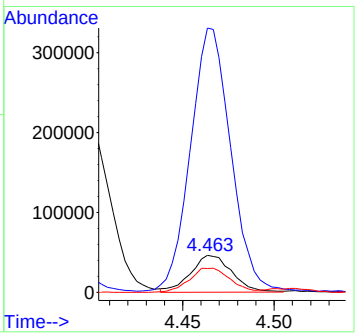


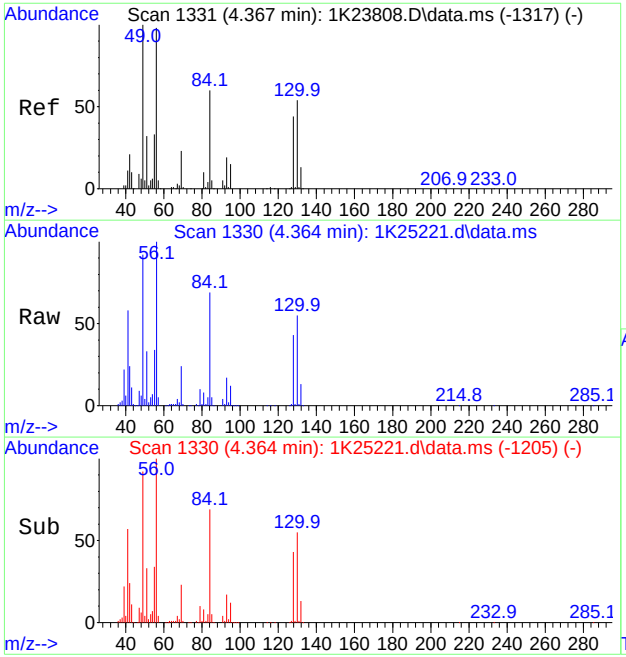


#38
methyl acrylate
Concen: 48.8606 ug/L
RT: 4.463 min Scan# 1361
Delta R.T. 0.000 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion: 85 Resp: 72967

Ion	Ratio	Lower	Upper
85	100		
55	726.0	717.8	757.8
58	65.1	42.6	82.6

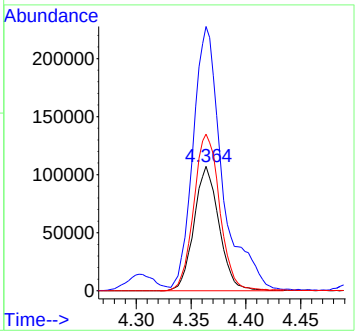


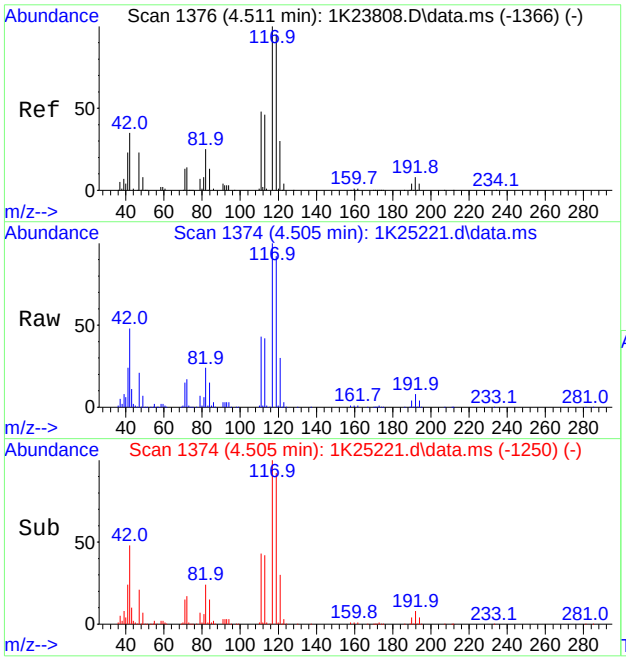


#39
bromochloromethane
Concen: 49.5685 ug/L
RT: 4.364 min Scan# 1330
Delta R.T. 0.003 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion:128 Resp: 170802

Ion	Ratio	Lower	Upper
128	100		
49	211.5	195.5	255.5
130	126.0	92.1	152.1

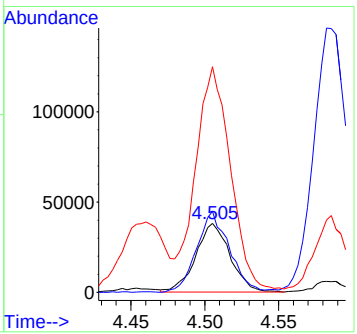


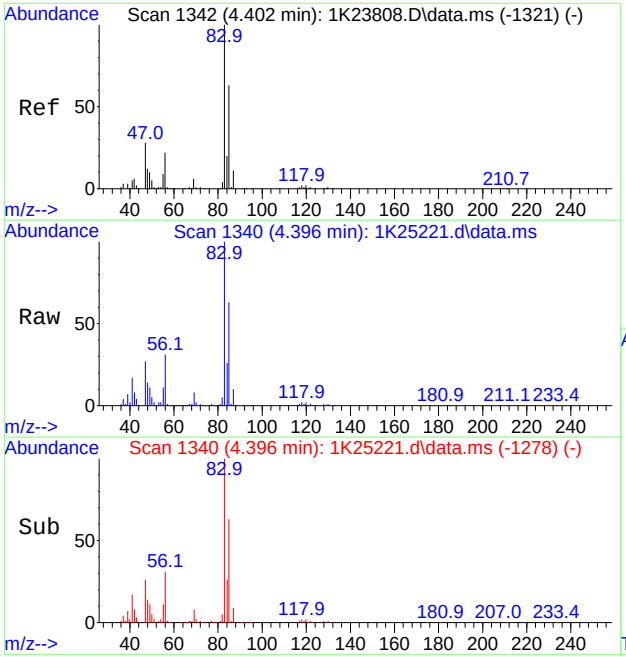


#40
tetrahydrofuran
Concen: 46.7320 ug/L
RT: 4.505 min Scan# 1374
Delta R.T. 0.000 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion: 71 Resp: 61199

Ion	Ratio	Lower	Upper
71	100		
72	118.2	76.4	136.4
42	323.9	297.7	357.7

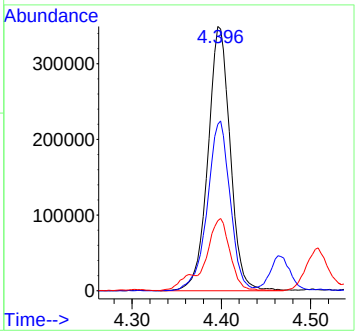


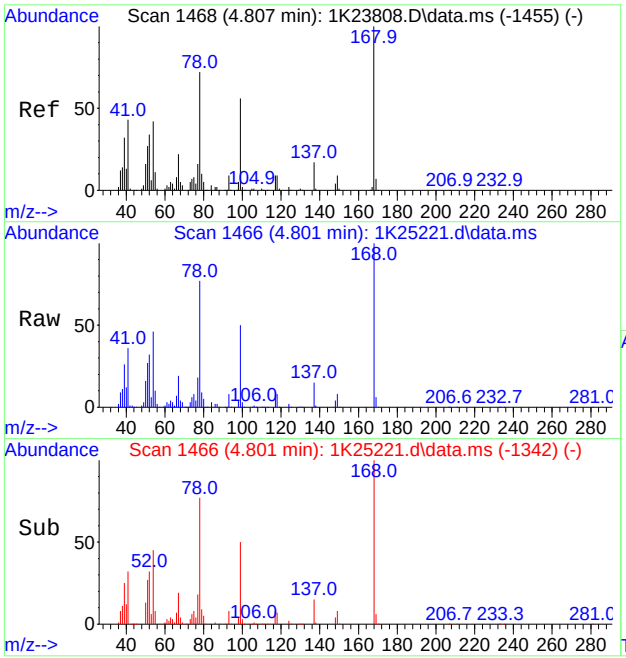


#41
chloroform
Concen: 42.3259 ug/L
RT: 4.396 min Scan# 1340
Delta R.T. 0.000 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion: 83 Resp: 603771

Ion	Ratio	Lower	Upper
83	100		
85	63.0	33.4	93.4
47	26.4	0.0	58.3

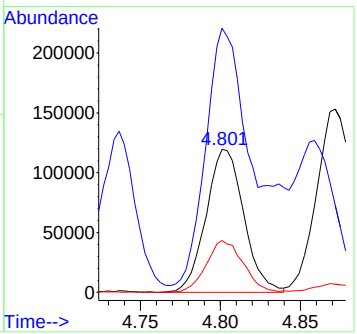


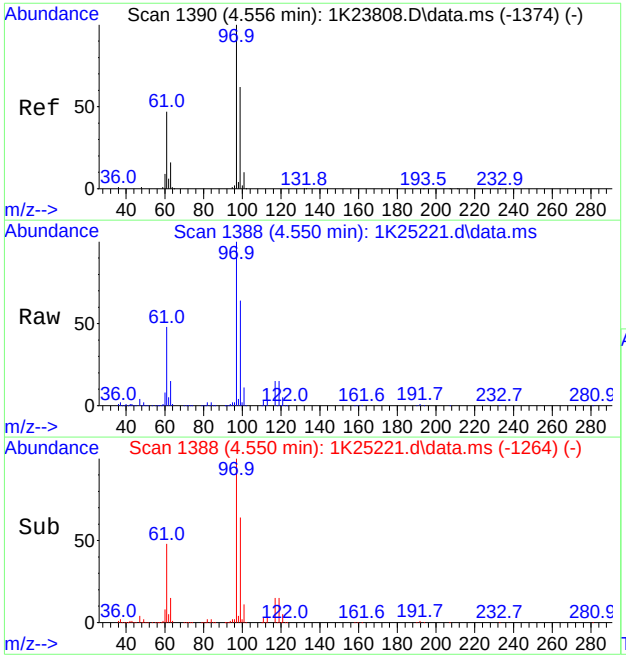


#43
methacrylonitrile
Concen: 44.6137 ug/L
RT: 4.801 min Scan# 1466
Delta R.T. 0.000 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion: 67 Resp: 196382

Ion	Ratio	Lower	Upper
67	100		
41	178.1	161.1	221.1
66	36.2	3.7	63.7

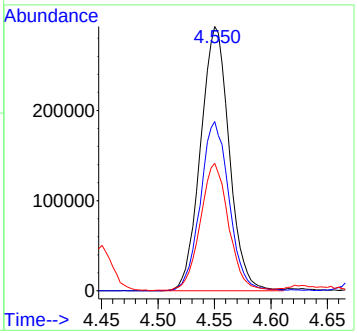


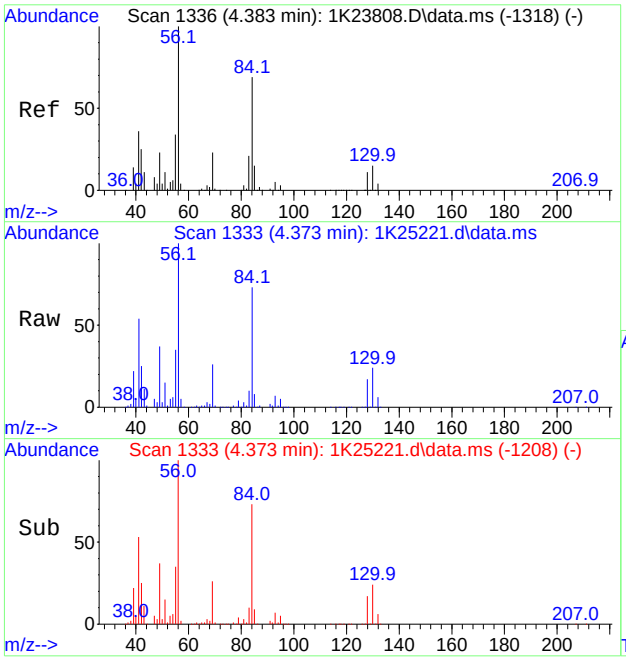


#44
1,1,1-trichloroethane
Concen: 42.2570 ug/L
RT: 4.550 min Scan# 1388
Delta R.T. 0.000 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion: 97 Resp: 515865

Ion	Ratio	Lower	Upper
97	100		
99	64.1	32.1	92.1
61	48.0	16.3	76.3

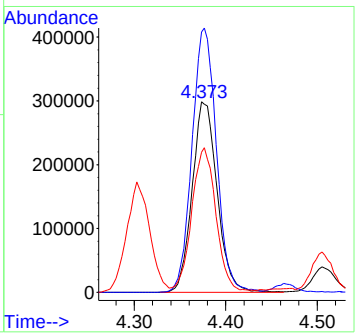


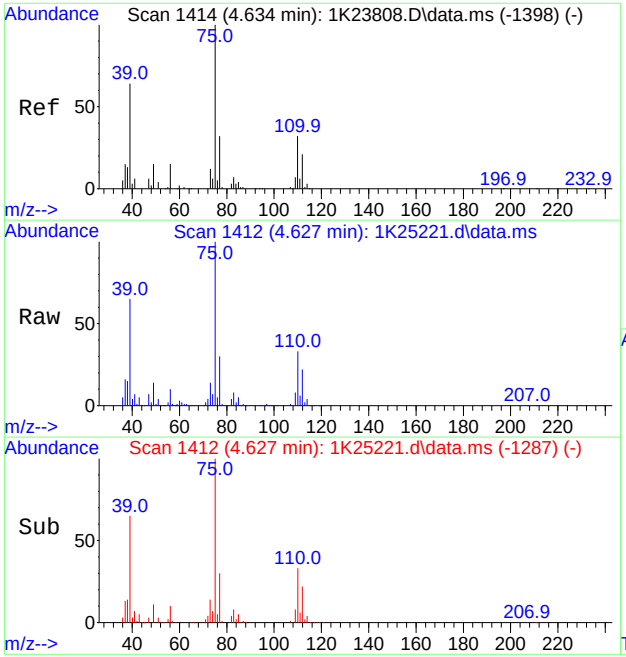


#45
cyclohexane
Concen: 52.8100 ug/L
RT: 4.373 min Scan# 1333
Delta R.T. 0.003 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion: 84 Resp: 566991

Ion	Ratio	Lower	Upper
84	100		
56	136.6	124.1	164.1
41	71.7	58.3	98.3

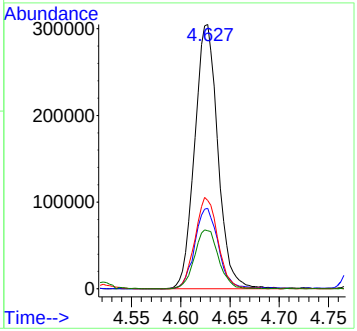


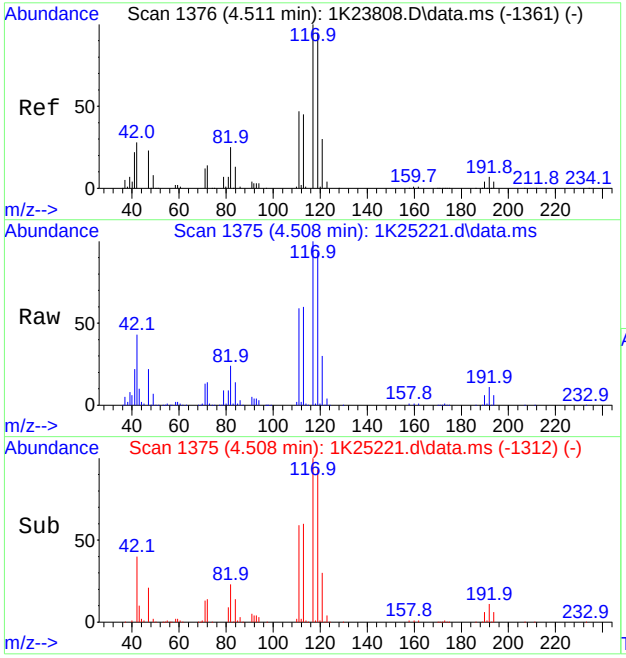


#46
1,1-dichloropropene
Concen: 46.8198 ug/L
RT: 4.627 min Scan# 1412
Delta R.T. 0.003 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion: 75 Resp: 502131

Ion	Ratio	Lower	Upper
75	100		
77	30.4	12.0	52.0
110	33.4	12.3	52.3
112	21.9	0.8	40.8

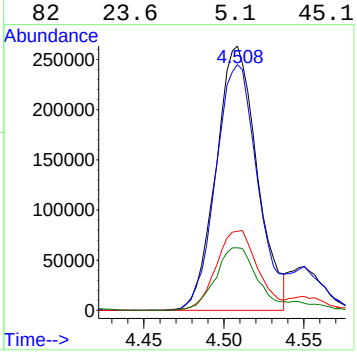


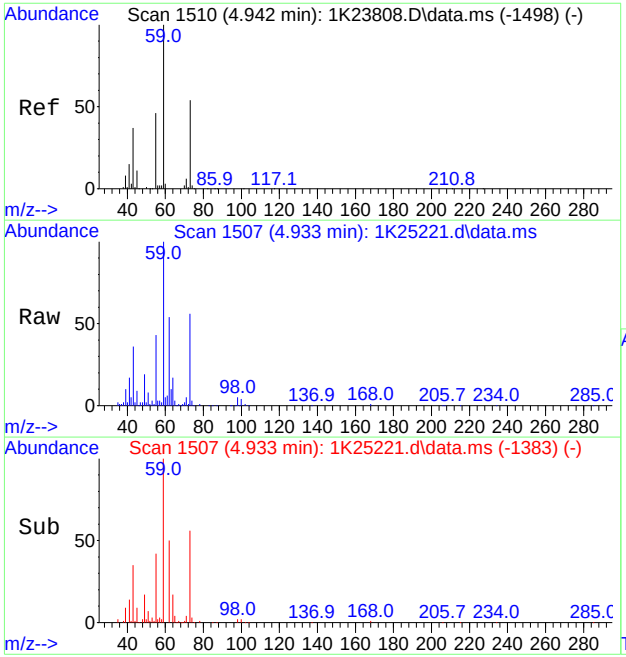


#47
carbon tetrachloride
Concen: 41.5471 ug/L
RT: 4.508 min Scan# 1375
Delta R.T. 0.003 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion:117 Resp: 471011

Ion	Ratio	Lower	Upper
117	100		
119	93.0	74.6	114.6
121	29.9	9.9	49.9
82	23.6	5.1	45.1

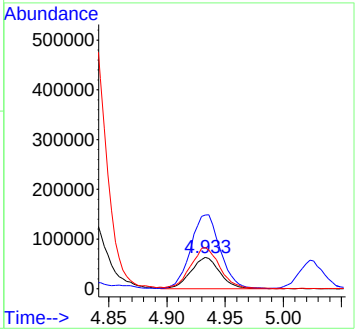


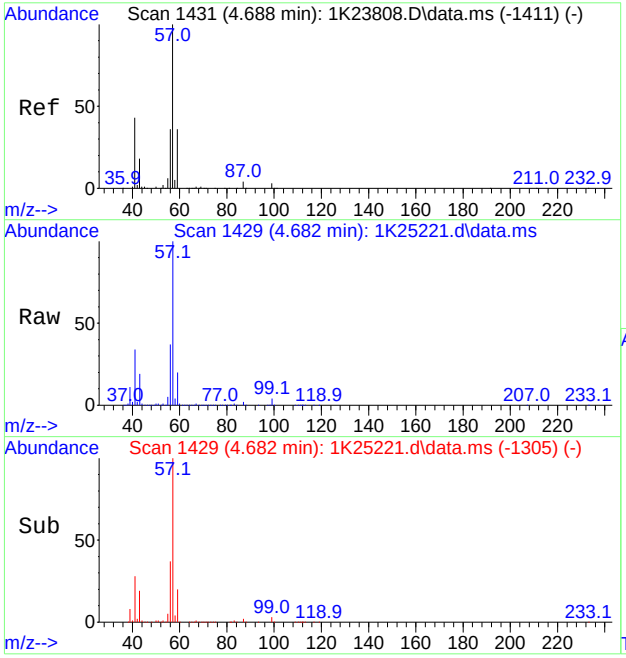


#49
tert-amyl alcohol
Concen: 294.8077 ug/L
RT: 4.933 min Scan# 1507
Delta R.T. 0.000 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion: 55 Resp: 110411

Ion	Ratio	Lower	Upper
55	100		
59	232.7	194.2	234.2
73	130.3	101.1	141.1

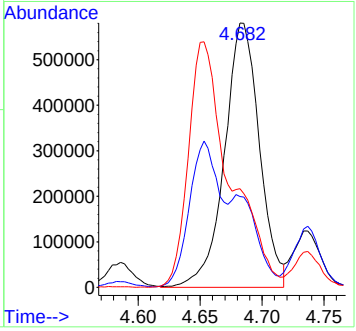


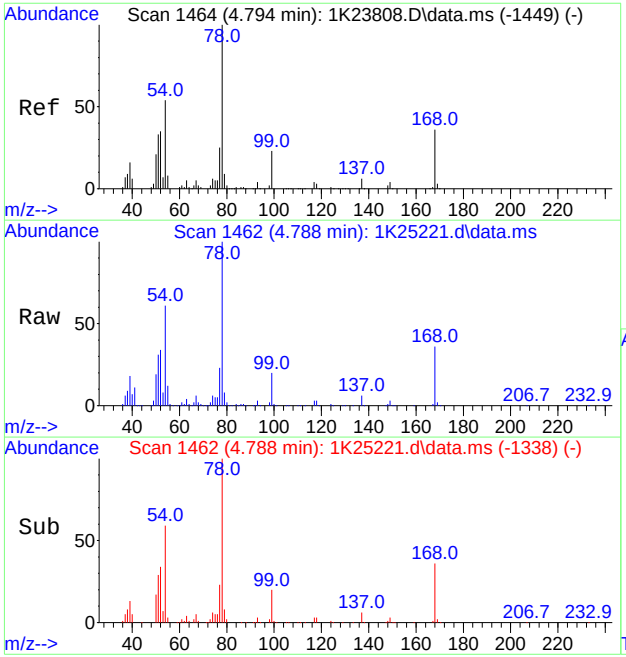


#52
iso-octane
Concen: 38.3653 ug/L
RT: 4.682 min Scan# 1429
Delta R.T. 0.000 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion: 57 Resp: 1142905

Ion	Ratio	Lower	Upper
57	100		
41	34.0	22.7	62.7
56	37.0	16.1	56.1

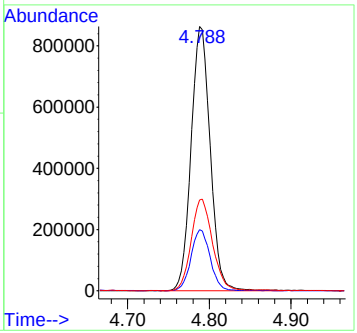


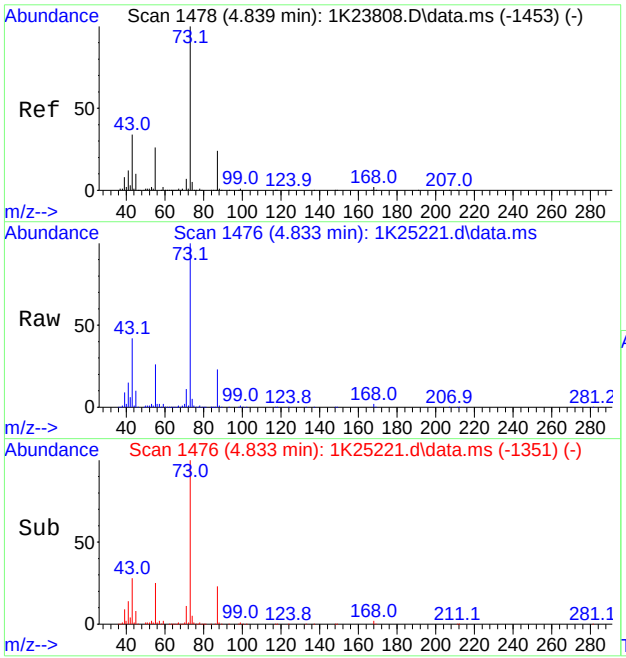


#53
benzene
Concen: 46.0664 ug/L
RT: 4.788 min Scan# 1462
Delta R.T. 0.000 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion: 78 Resp: 1404058

Ion	Ratio	Lower	Upper
78	100		
77	23.1	0.0	54.5
52	34.3	5.0	65.0

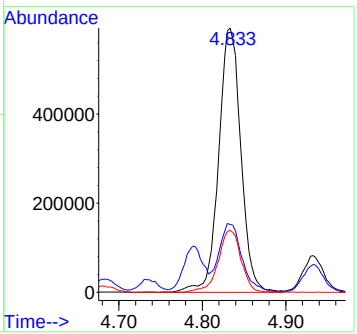


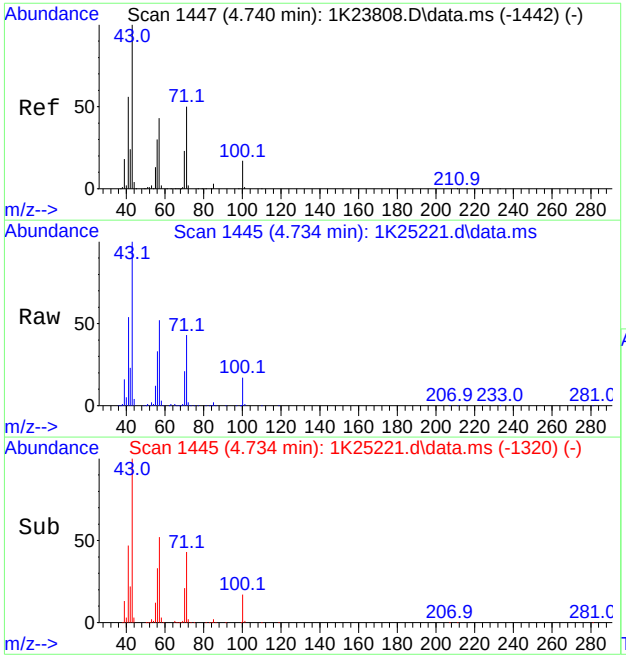


#54
tert-amyl methyl ether
Concen: 43.8517 ug/L
RT: 4.833 min Scan# 1476
Delta R.T. 0.003 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion: 73 Resp: 1096011

Ion	Ratio	Lower	Upper
73	100		
55	25.4	7.0	47.0
87	23.5	4.4	44.4

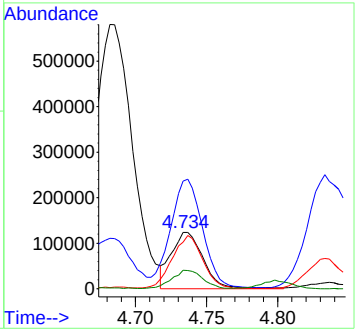


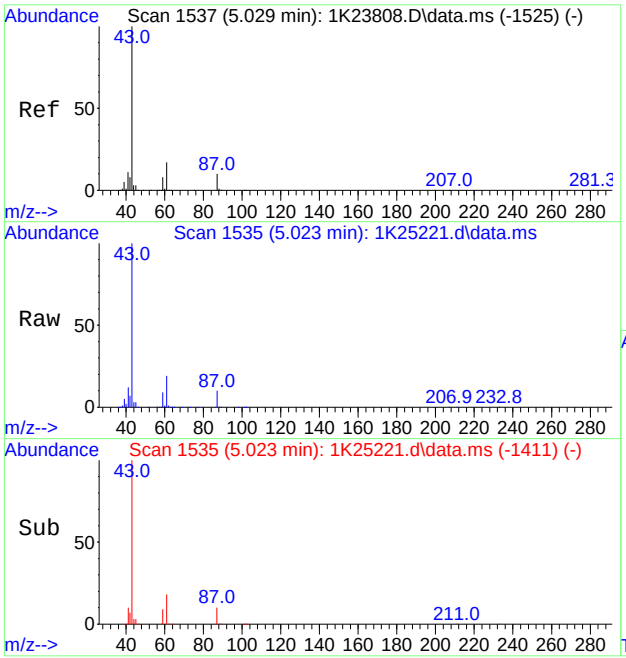


#55
heptane
Concen: 43.0370 ug/L
RT: 4.734 min Scan# 1445
Delta R.T. 0.003 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion: 57 Resp: 195155

Ion	Ratio	Lower	Upper
57	100		
43	183.6	165.6	225.6
71	81.3	61.2	121.2
100	27.8	0.0	55.6

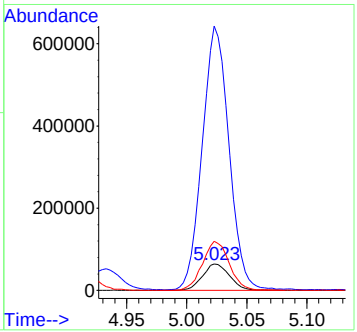


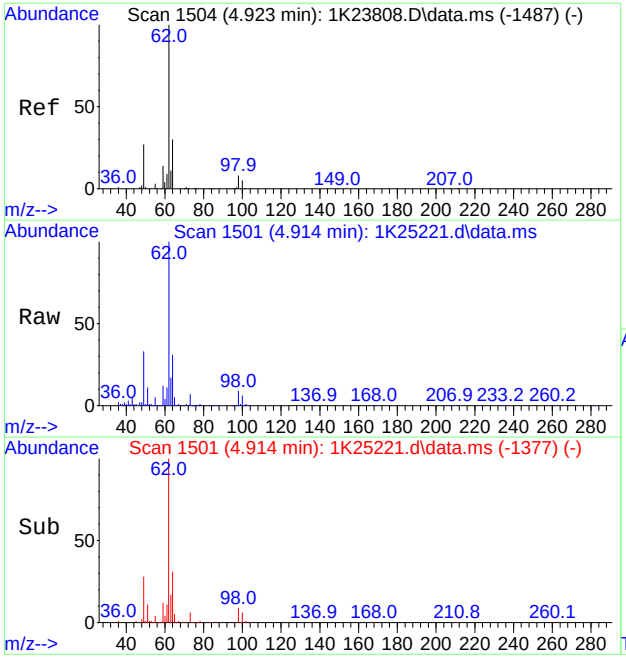


#56
isopropyl acetate
Concen: 44.5859 ug/L
RT: 5.023 min Scan# 1535
Delta R.T. 0.000 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion: 87 Resp: 100905

Ion	Ratio	Lower	Upper
87	100		
43	992.8	998.2	1058.2#
61	185.1	147.0	207.0

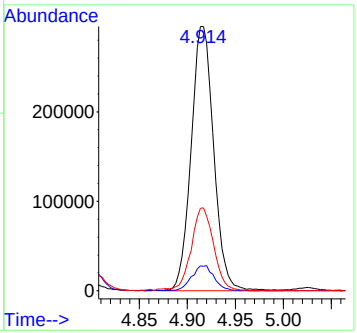


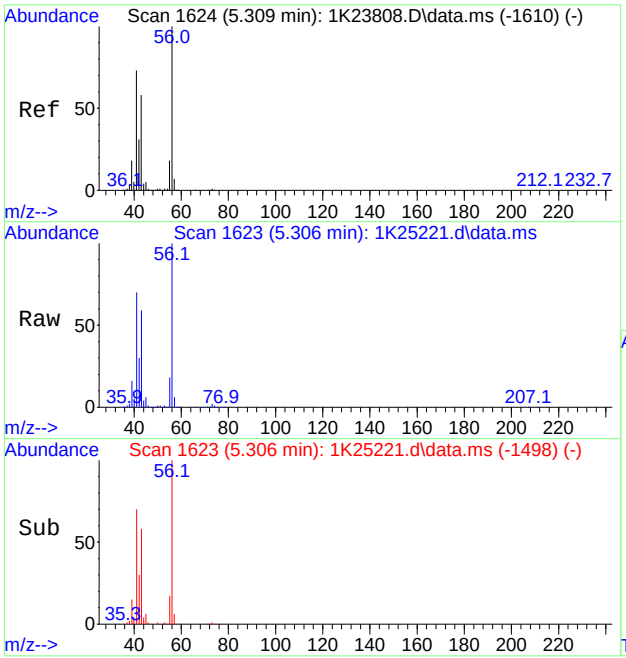


#57
1,2-dichloroethane
Concen: 39.3066 ug/L
RT: 4.914 min Scan# 1501
Delta R.T. 0.000 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion: 62 Resp: 483383

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	38.3
64	31.0	0.4	60.4

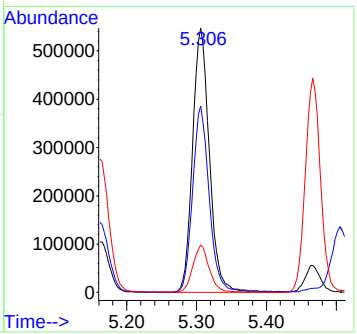


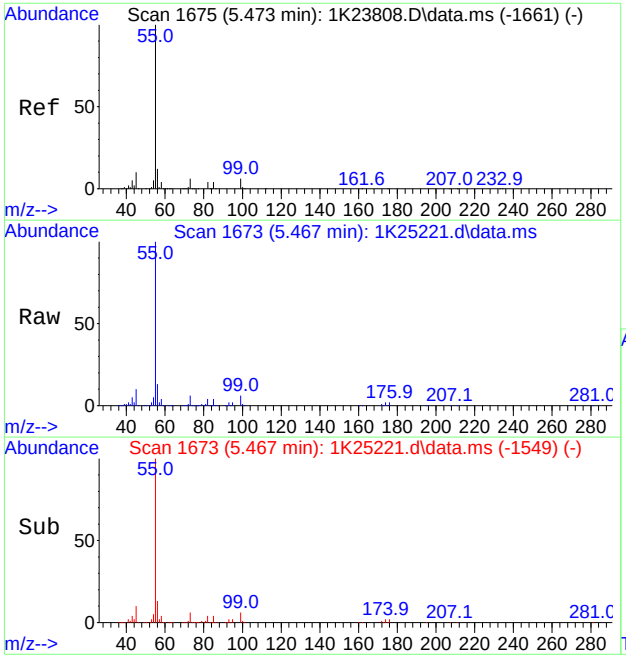


#58
n-butyl alcohol
Concen: 4291.8207 ug/L
RT: 5.306 min Scan# 1623
Delta R.T. 0.003 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion: 56 Resp: 920715

Ion	Ratio	Lower	Upper
56	100		
41	70.3	53.5	93.5
55	17.8	0.0	38.0

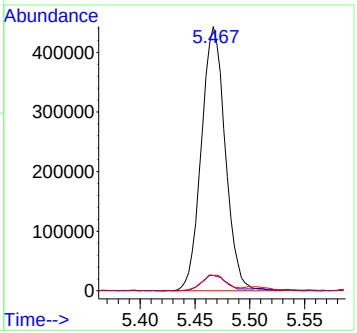


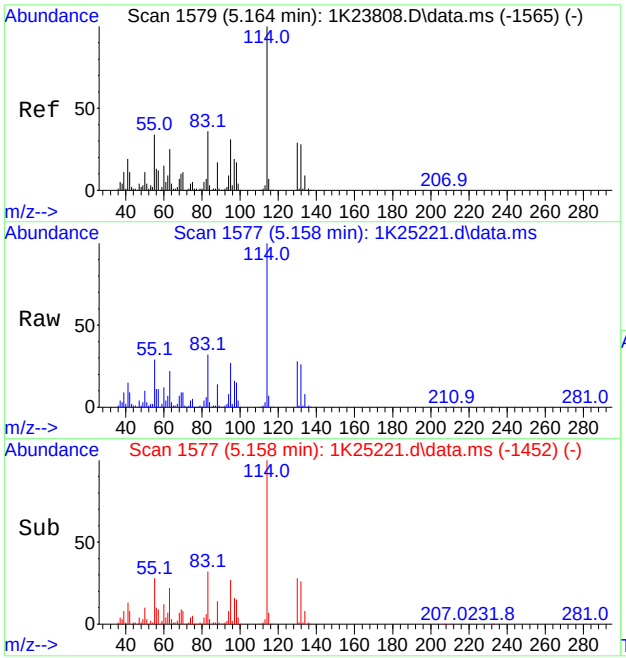


#59
ethyl acrylate
Concen: 44.1949 ug/L
RT: 5.467 min Scan# 1673
Delta R.T. 0.000 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion: 55 Resp: 671607

Ion	Ratio	Lower	Upper
55	100		
73	5.8	0.0	35.8
99	5.8	0.0	35.9

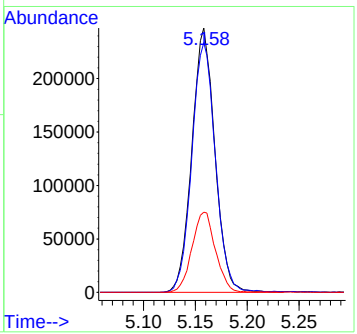


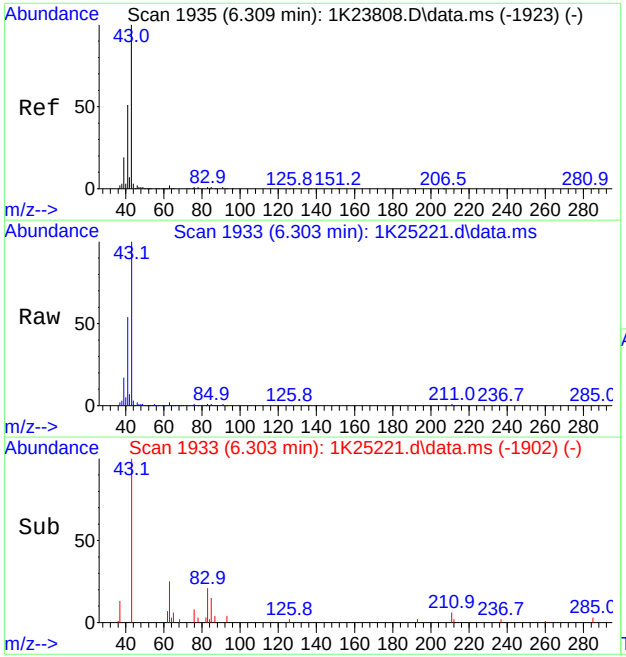


#60
trichloroethene
Concen: 50.0018 ug/L
RT: 5.158 min Scan# 1577
Delta R.T. 0.003 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion:130 Resp: 382465

Ion	Ratio	Lower	Upper
130	100		
132	94.4	66.4	126.4
134	30.3	0.0	59.6

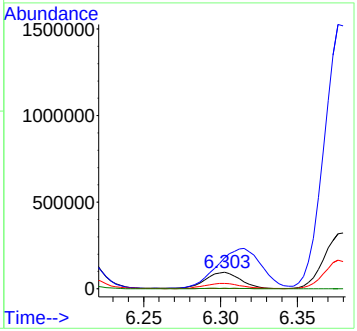


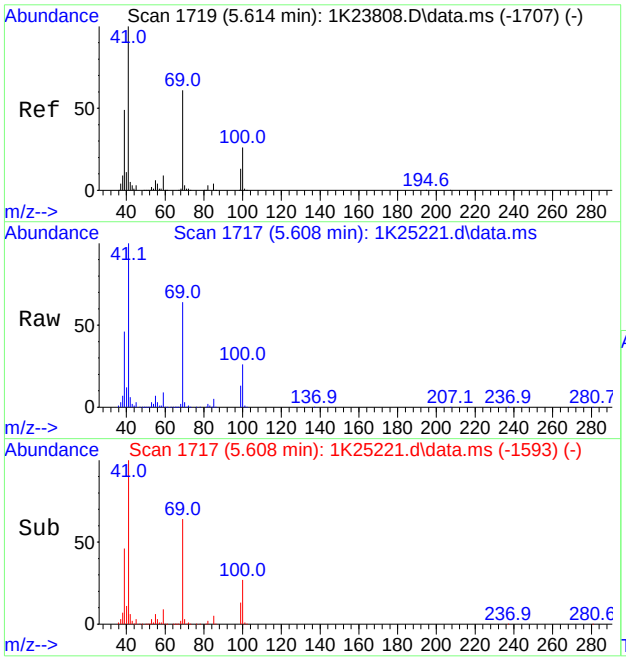


#61
2-nitropropane
Concen: 40.4648 ug/L
RT: 6.303 min Scan# 1933
Delta R.T. 0.000 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion: 41 Resp: 148440

Ion	Ratio	Lower	Upper
41	100		
43	186.1	164.7	224.7
39	31.5	6.3	66.3
46	3.4	0.0	33.8

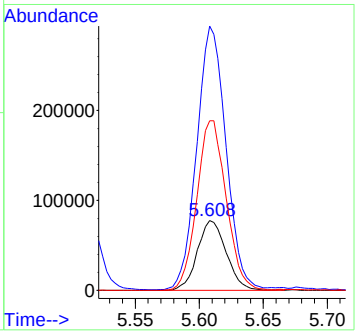


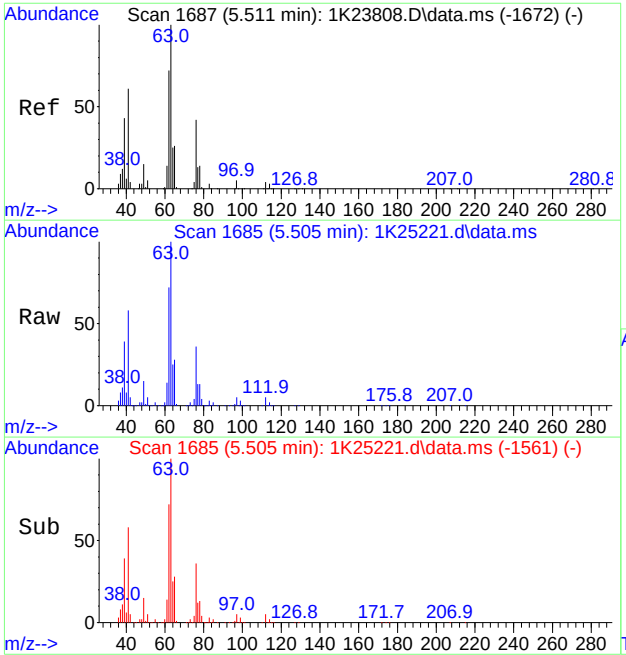


#63
methyl methacrylate
Concen: 45.8563 ug/L
RT: 5.608 min Scan# 1717
Delta R.T. 0.000 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion:100 Resp: 122118

Ion	Ratio	Lower	Upper
100	100		
41	376.8	352.7	412.7
69	242.8	201.8	261.8

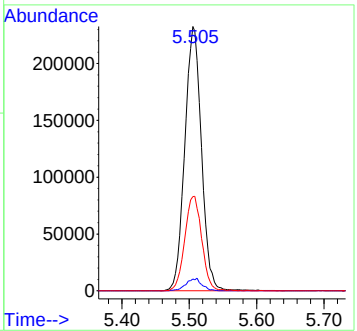


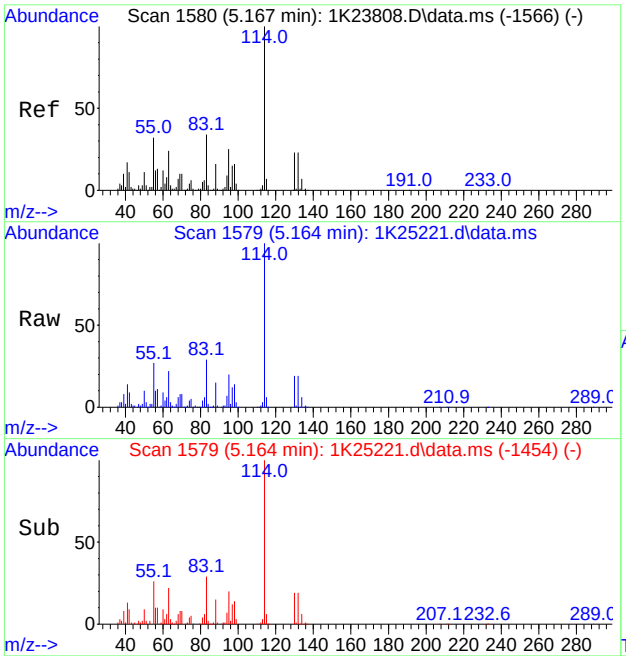


#64
1,2-dichloropropane
Concen: 47.1303 ug/L
RT: 5.505 min Scan# 1685
Delta R.T. 0.000 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion: 63 Resp: 399265

Ion	Ratio	Lower	Upper
63	100		
112	4.5	0.0	34.3
76	35.7	11.5	71.5

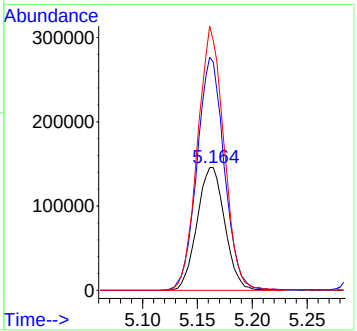


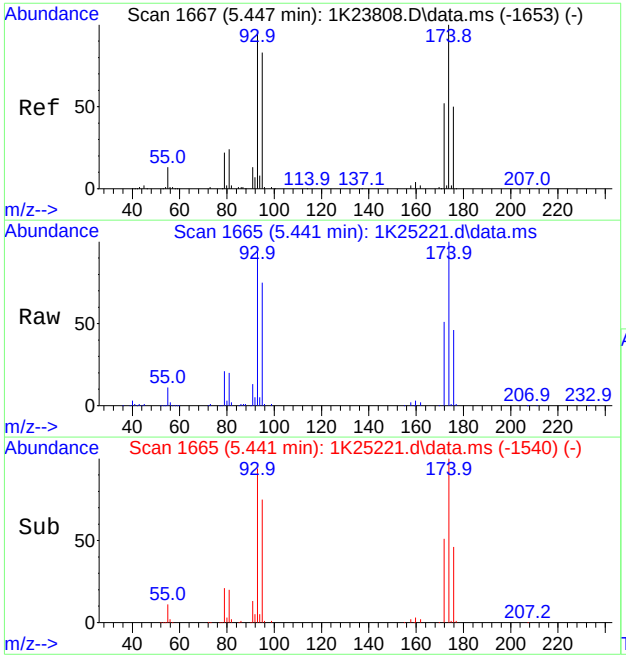


#65
methylcyclohexane
Concen: 46.4992 ug/L
RT: 5.164 min Scan# 1579
Delta R.T. 0.003 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion: 98 Resp: 257461

Ion	Ratio	Lower	Upper
98	100		
55	185.6	162.4	222.4
83	203.0	177.4	237.4

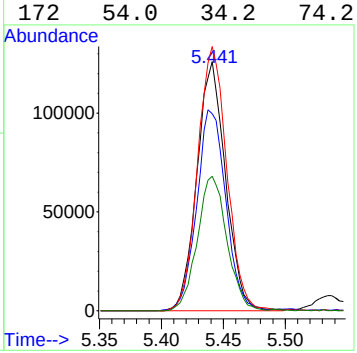


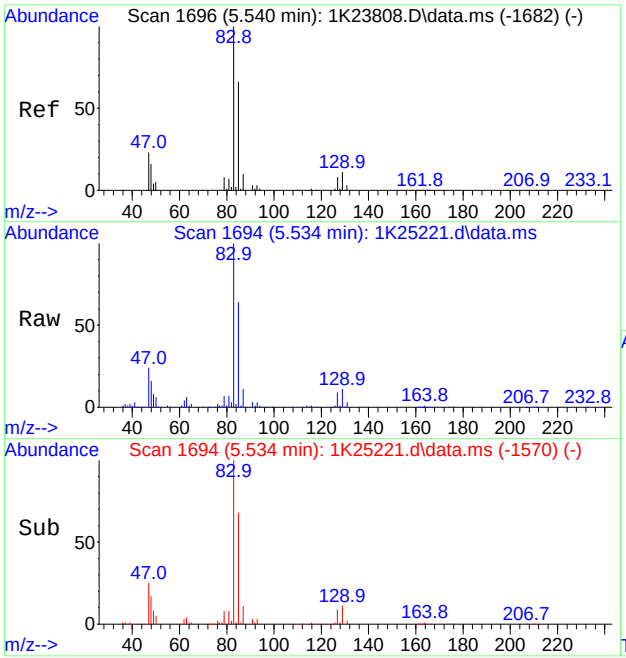


#66
dibromomethane
Concen: 44.2247 ug/L
RT: 5.441 min Scan# 1665
Delta R.T. 0.003 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion: 93 Resp: 202485

Ion	Ratio	Lower	Upper
93	100		
95	79.0	57.5	117.5
174	106.2	75.1	135.1
172	54.0	34.2	74.2

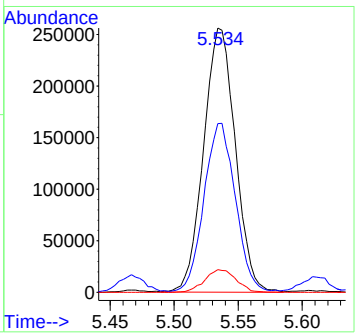


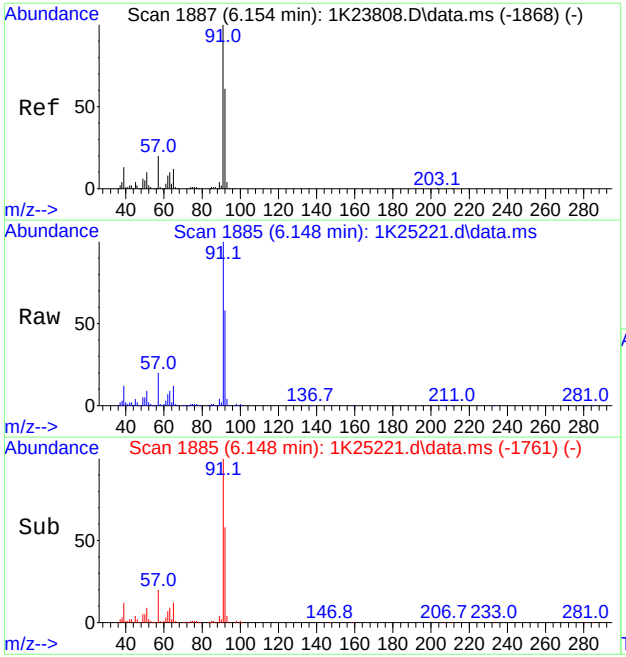


#67
bromodichloromethane
Concen: 42.7446 ug/L
RT: 5.534 min Scan# 1694
Delta R.T. 0.000 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion: 83 Resp: 442068

Ion	Ratio	Lower	Upper
83	100		
85	63.4	35.5	95.5
127	8.7	0.0	37.9

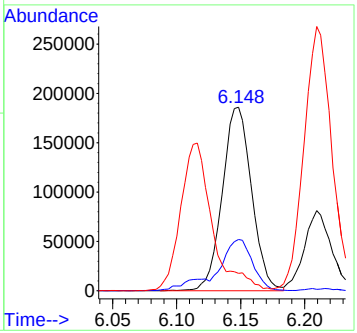


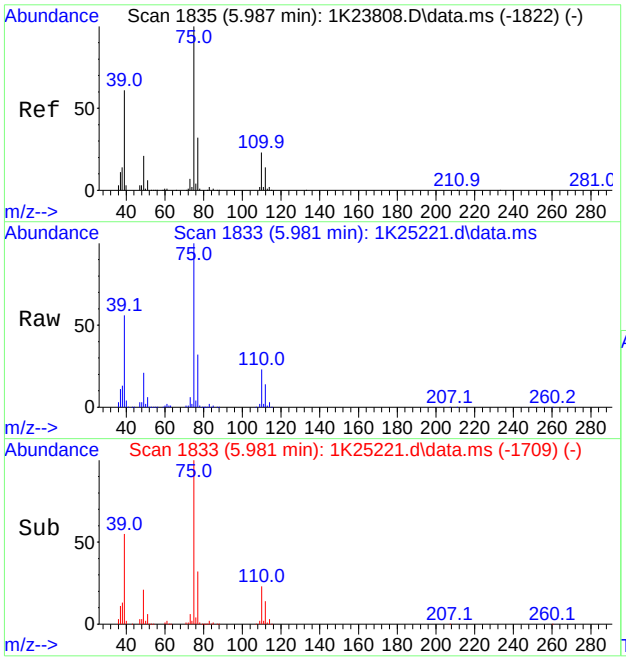


#68
epichlorohydrin
Concen: 238.1795 ug/L
RT: 6.148 min Scan# 1885
Delta R.T. 0.000 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion: 57 Resp: 296781

Ion	Ratio	Lower	Upper
57	100		
49	27.7	8.2	48.2
42	6.9	0.0	27.5

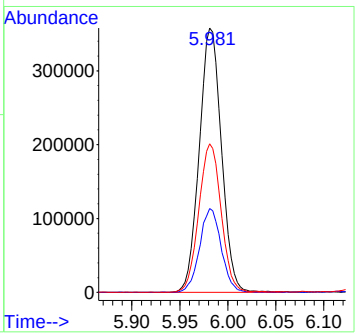


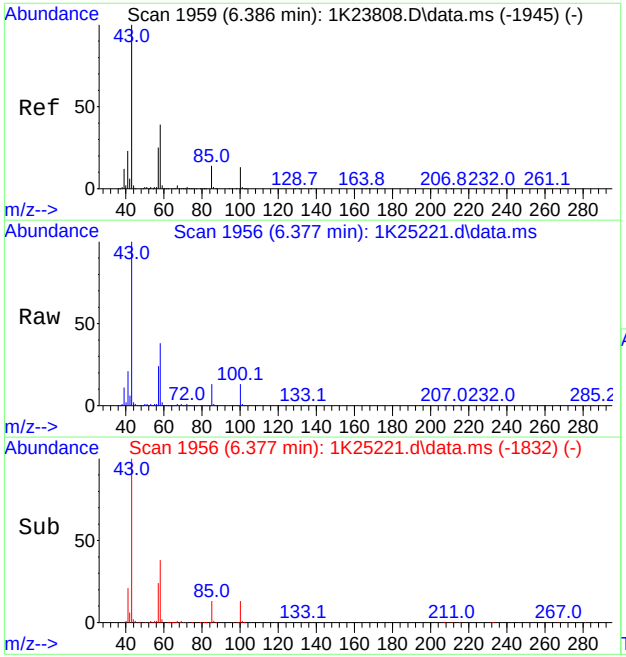


#69
cis-1,3-dichloropropene
Concen: 45.6111 ug/L
RT: 5.981 min Scan# 1833
Delta R.T. 0.000 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion: 75 Resp: 576787

Ion	Ratio	Lower	Upper
75	100		
77	31.7	2.2	62.2
39	56.1	31.6	91.6

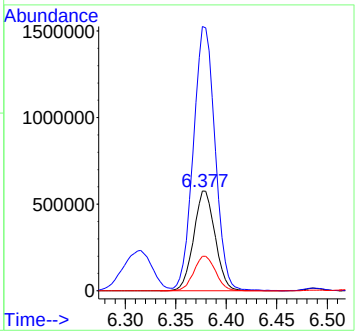


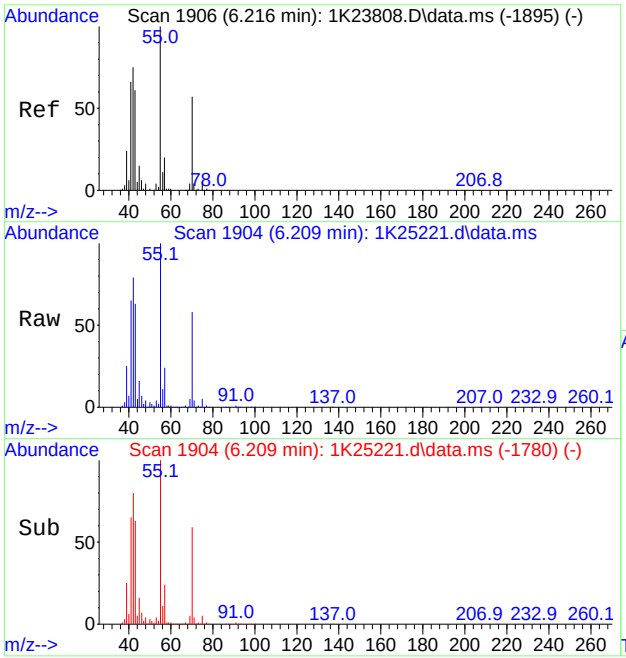


#70
4-methyl-2-pentanone
Concen: 175.6077 ug/L
RT: 6.377 min Scan# 1956
Delta R.T. 0.000 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion: 58 Resp: 852970

Ion	Ratio	Lower	Upper
58	100		
43	264.5	235.3	295.3
100	34.5	2.2	62.2

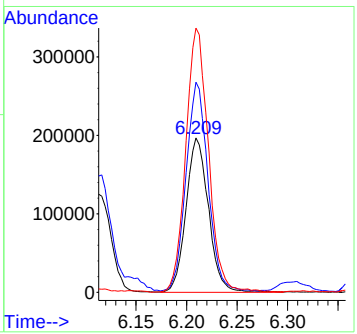


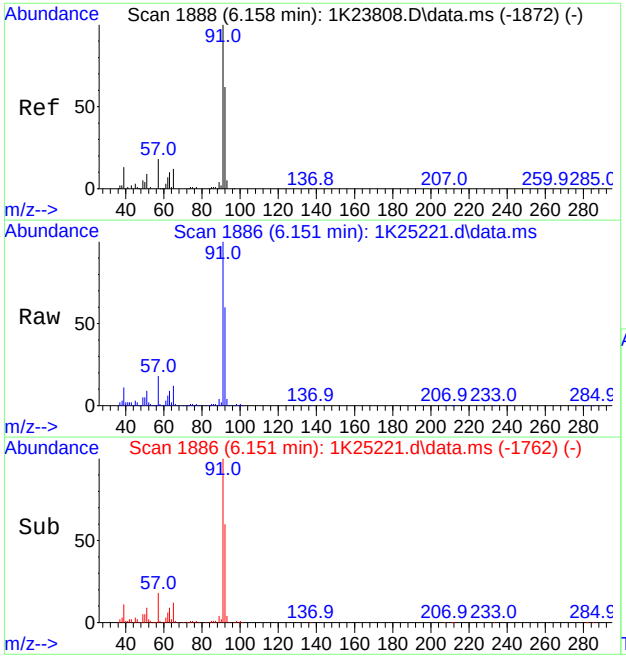


#71
3-methyl-1-butanol
Concen: 1389.3844 ug/L
RT: 6.209 min Scan# 1904
Delta R.T. 0.000 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion: 70 Resp: 305430

Ion	Ratio	Lower	Upper
70	100		
42	135.4	103.4	163.4
55	171.0	146.9	206.9

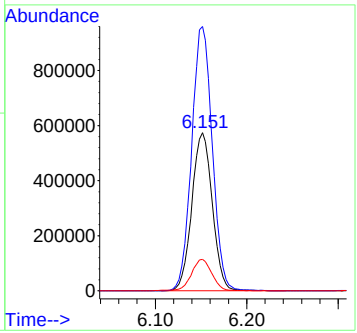


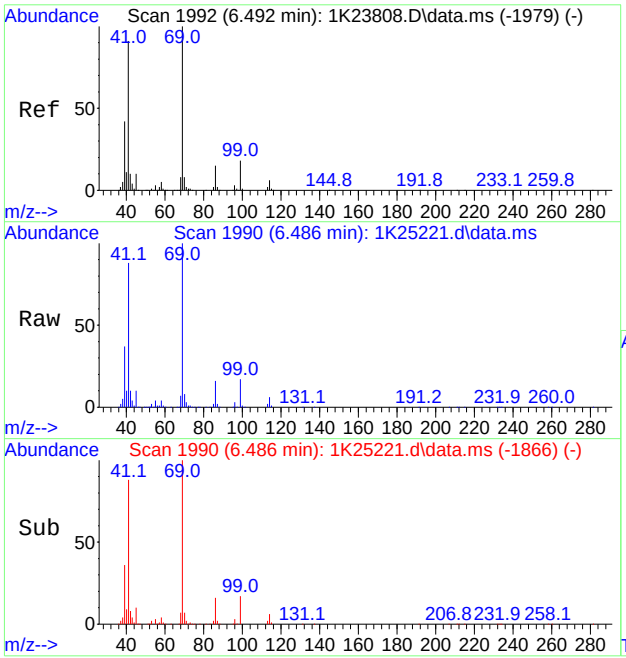


#74
toluene
Concen: 46.2471 ug/L
RT: 6.151 min Scan# 1886
Delta R.T. 0.000 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion: 92 Resp: 891159

Ion	Ratio	Lower	Upper
92	100		
91	167.3	140.0	180.0
65	20.0	0.0	39.6

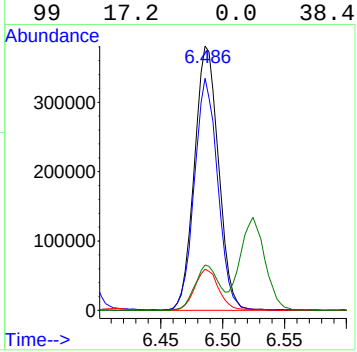


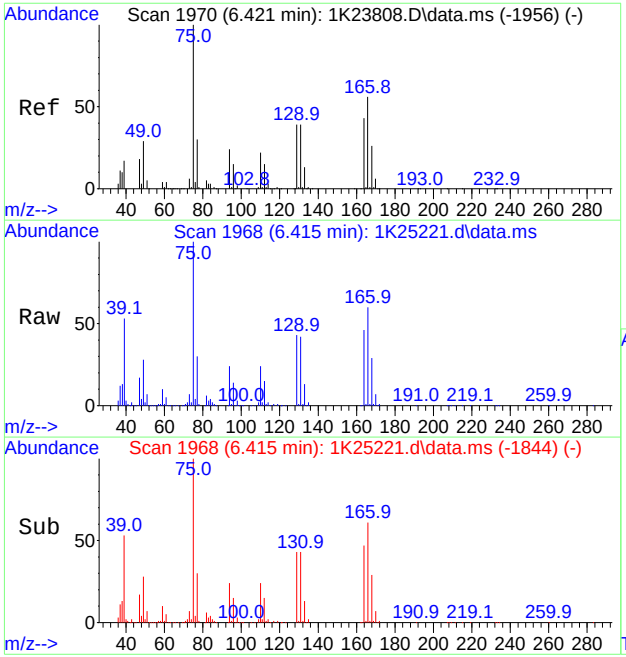


#75
ethyl methacrylate
Concen: 45.7861 ug/L
RT: 6.486 min Scan# 1990
Delta R.T. 0.000 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion: 69 Resp: 517624

Ion	Ratio	Lower	Upper
69	100		
41	87.6	71.2	111.2
86	15.6	0.0	35.1
99	17.2	0.0	38.4

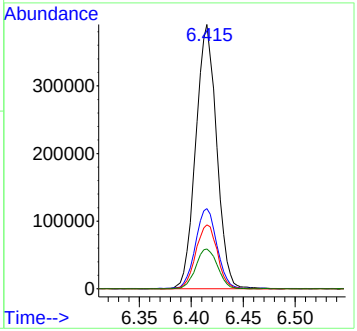


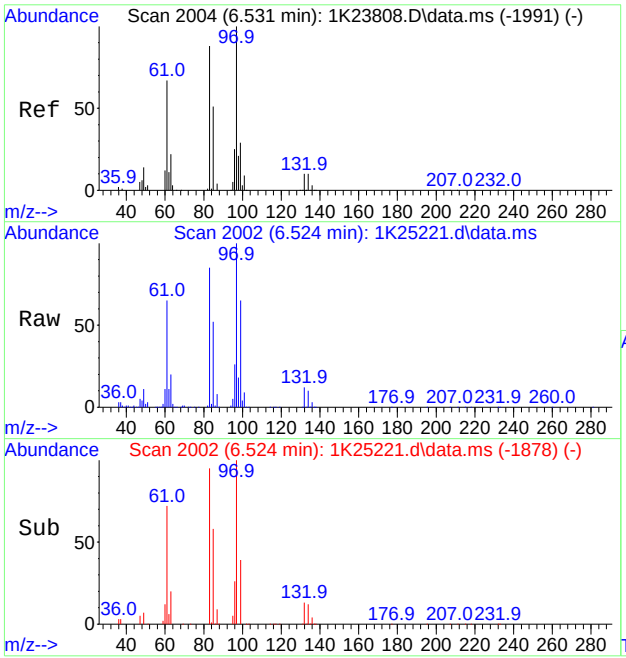


#76
trans-1,3-dichloropropene
Concen: 44.0068 ug/L
RT: 6.415 min Scan# 1968
Delta R.T. 0.000 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion: 75 Resp: 549406

Ion	Ratio	Lower	Upper
75	100		
77	30.2	10.4	50.4
110	24.2	2.4	42.4
112	15.0	0.0	34.7

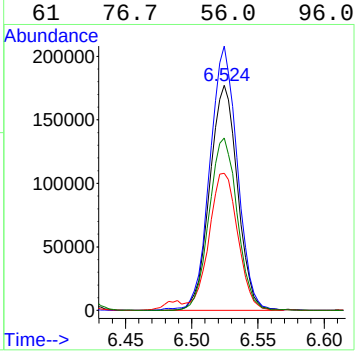


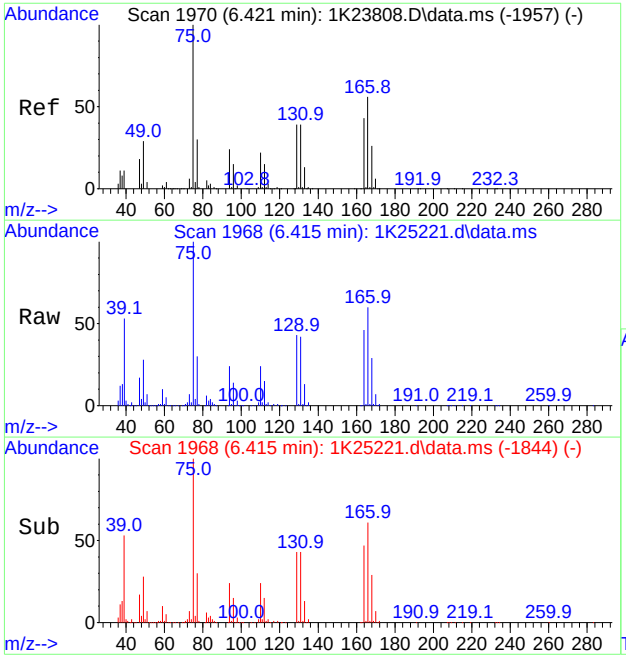


#77
1,1,2-trichloroethane
Concen: 47.3180 ug/L
RT: 6.524 min Scan# 2002
Delta R.T. 0.000 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion: 83 Resp: 258313

Ion	Ratio	Lower	Upper
83	100		
97	117.3	94.4	134.4
85	60.7	41.5	81.5
61	76.7	56.0	96.0

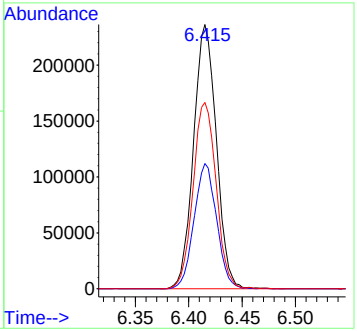


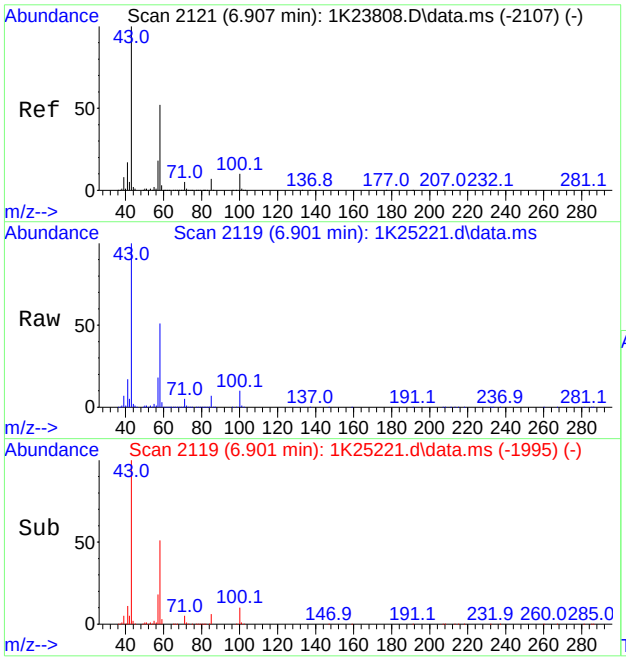


#78
tetrachloroethene
Concen: 47.0003 ug/L
RT: 6.415 min Scan# 1968
Delta R.T. 0.000 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion:166 Resp: 351852

Ion	Ratio	Lower	Upper
166	100		
168	47.4	17.0	77.0
129	70.5	39.8	99.8

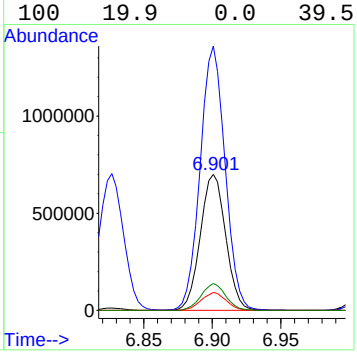


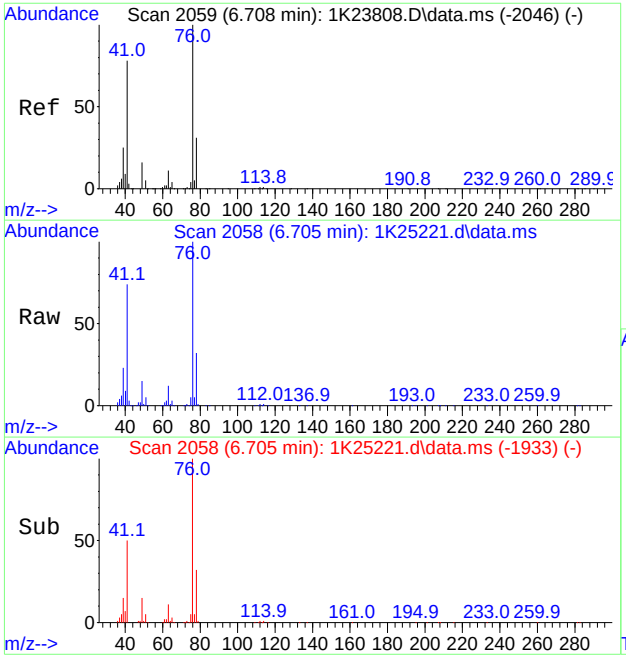


#79
2-hexanone
Concen: 177.8100 ug/L
RT: 6.901 min Scan# 2119
Delta R.T. 0.000 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion: 58 Resp: 901851

Ion	Ratio	Lower	Upper
58	100		
43	194.1	172.5	212.5
85	13.3	0.0	32.5
100	19.9	0.0	39.5

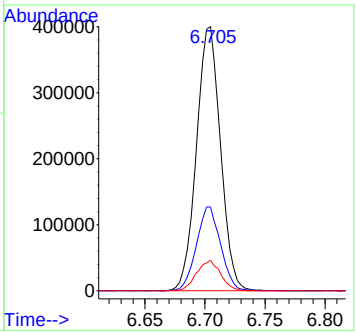


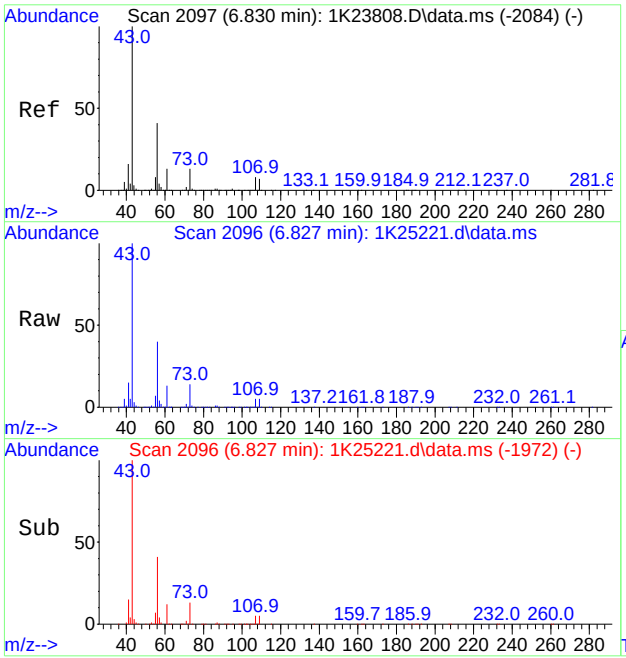


#80
1,3-dichloropropane
Concen: 45.6156 ug/L
RT: 6.705 min Scan# 2058
Delta R.T. 0.003 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion: 76 Resp: 557572

Ion	Ratio	Lower	Upper
76	100		
78	31.7	0.6	60.6
63	11.6	0.0	41.5

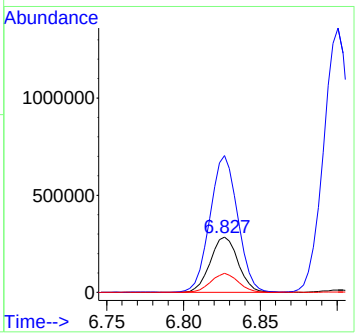


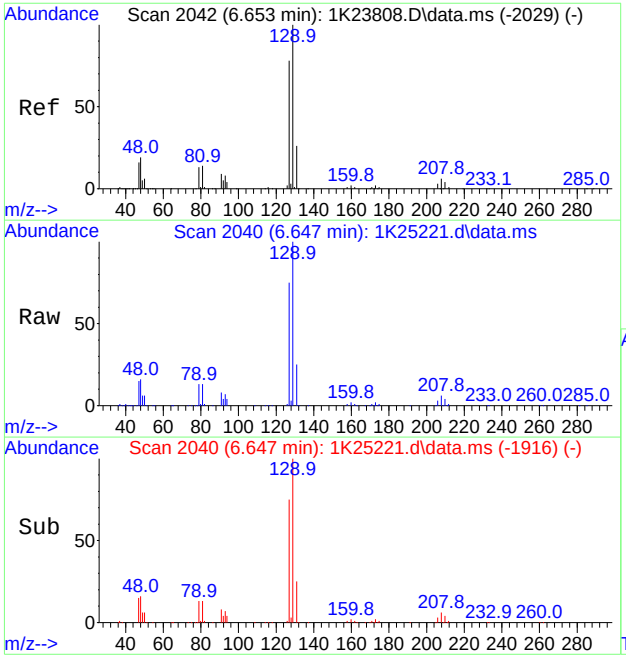


#81
butyl acetate
Concen: 43.8121 ug/L
RT: 6.827 min Scan# 2096
Delta R.T. 0.000 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion: 56 Resp: 360180

Ion	Ratio	Lower	Upper
56	100		
43	246.9	215.3	275.3
73	34.4	2.2	62.2

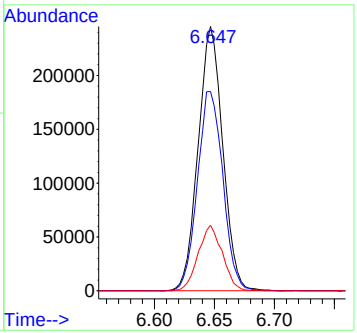


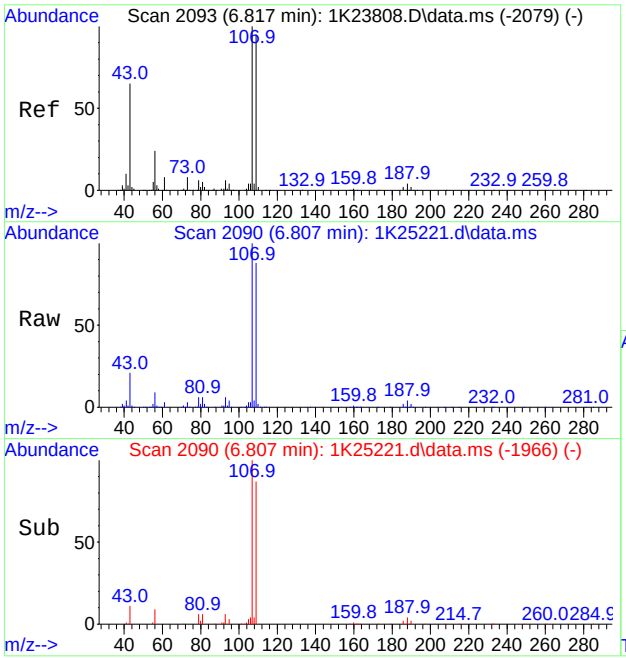


#82
dibromochloromethane
Concen: 45.5587 ug/L
RT: 6.647 min Scan# 2040
Delta R.T. 0.000 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion:129 Resp: 350061

Ion	Ratio	Lower	Upper
129	100		
127	75.4	47.8	107.8
131	24.8	0.0	55.8

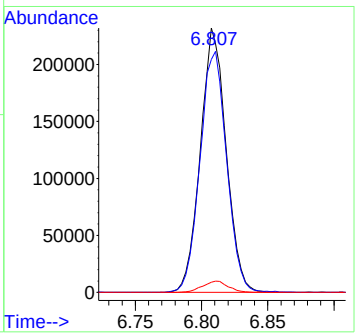


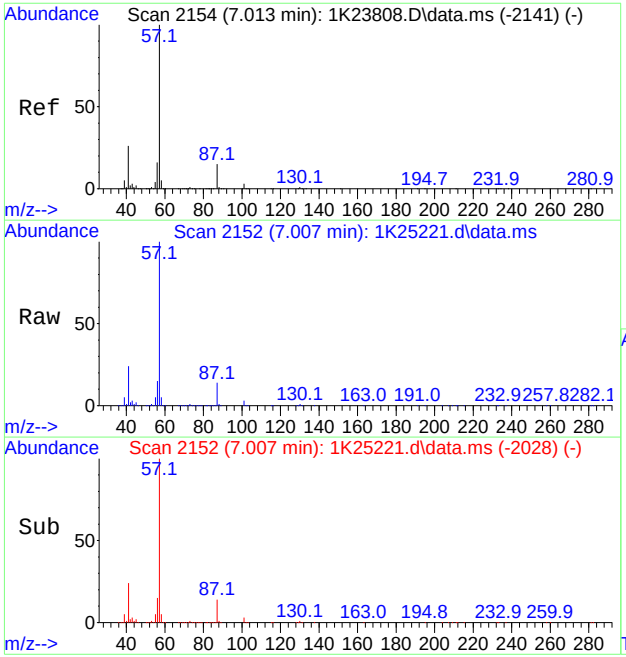


#83
1,2-dibromoethane
Concen: 45.3914 ug/L
RT: 6.807 min Scan# 2090
Delta R.T. 0.000 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion:107 Resp: 313421

Ion	Ratio	Lower	Upper
107	100		
109	88.1	65.3	125.3
188	3.8	0.0	33.6

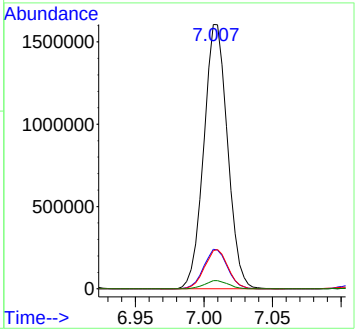


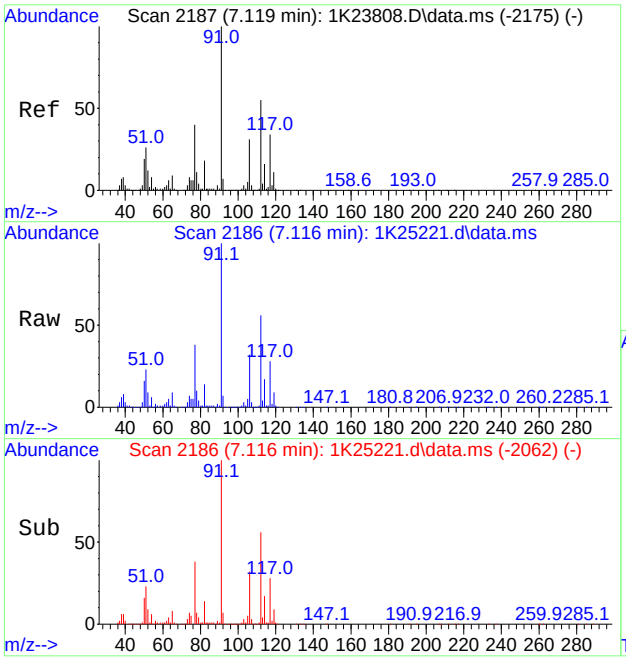


#84
n-butyl ether
Concen: 47.6550 ug/L
RT: 7.007 min Scan# 2152
Delta R.T. 0.000 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion: 57 Resp: 1931508

Ion	Ratio	Lower	Upper
57	100		
56	15.0	0.0	45.7
87	14.4	0.0	44.9
101	3.1	0.0	33.4

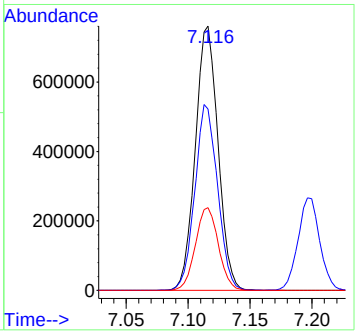


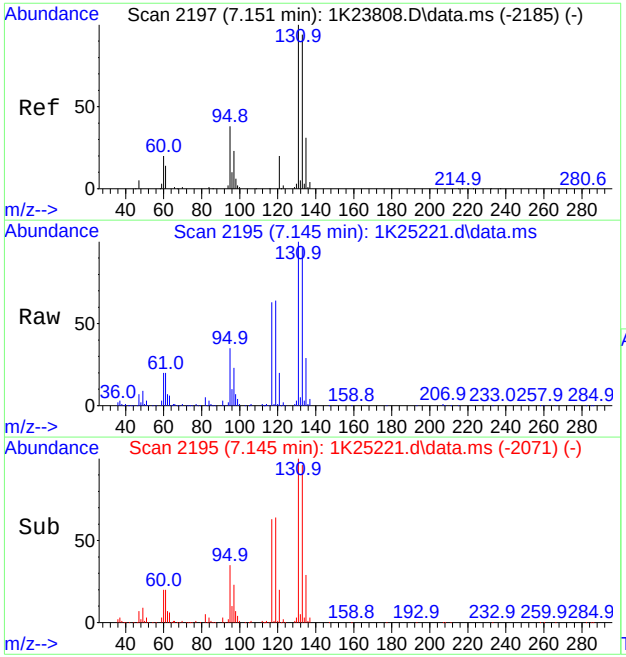


#85
chlorobenzene
Concen: 48.6929 ug/L
RT: 7.116 min Scan# 2186
Delta R.T. 0.000 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion:112 Resp: 970622

Ion	Ratio	Lower	Upper
112	100		
77	68.5	43.7	103.7
114	31.3	0.0	59.8

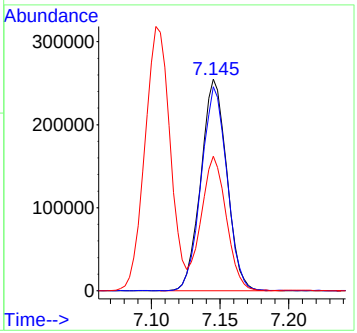


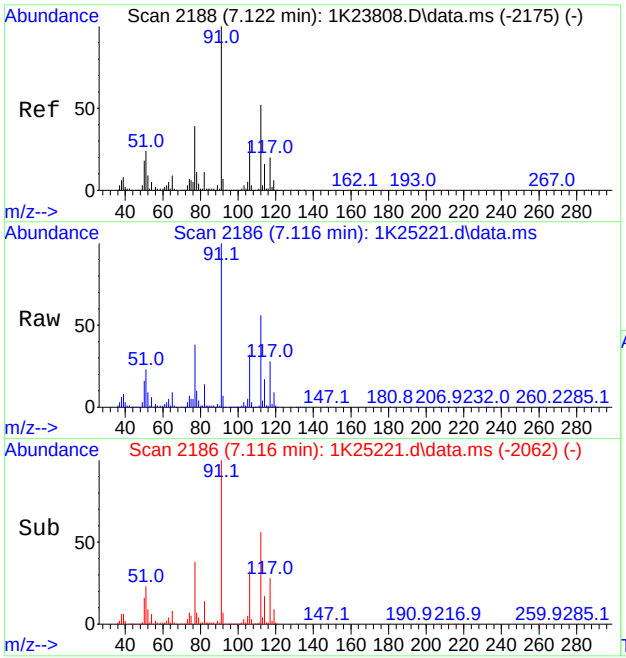


#86
1,1,1,2-tetrachloroethane
Concen: 45.6024 ug/L
RT: 7.145 min Scan# 2195
Delta R.T. 0.000 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion:131 Resp: 334584

Ion	Ratio	Lower	Upper
131	100		
133	96.4	64.3	124.3
119	63.2	27.7	87.7

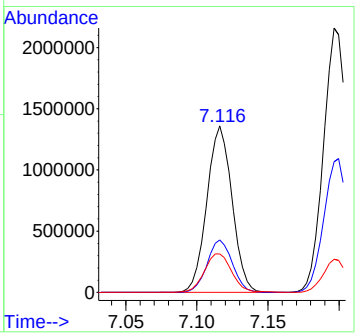


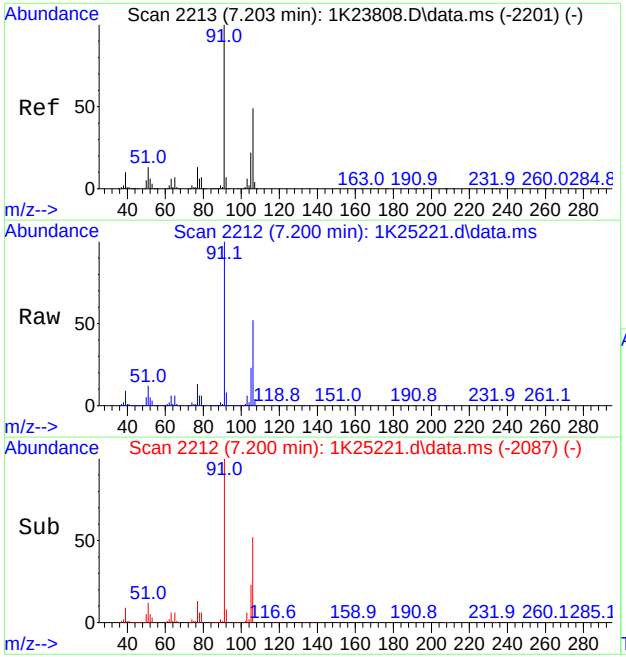


#87
ethylbenzene
Concen: 45.7585 ug/L
RT: 7.116 min Scan# 2186
Delta R.T. 0.000 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion: 91 Resp: 1673993

Ion	Ratio	Lower	Upper
91	100		
106	31.5	0.3	60.3
51	23.1	0.0	54.3

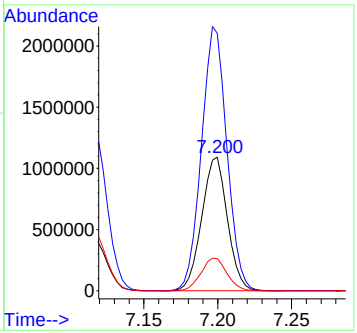


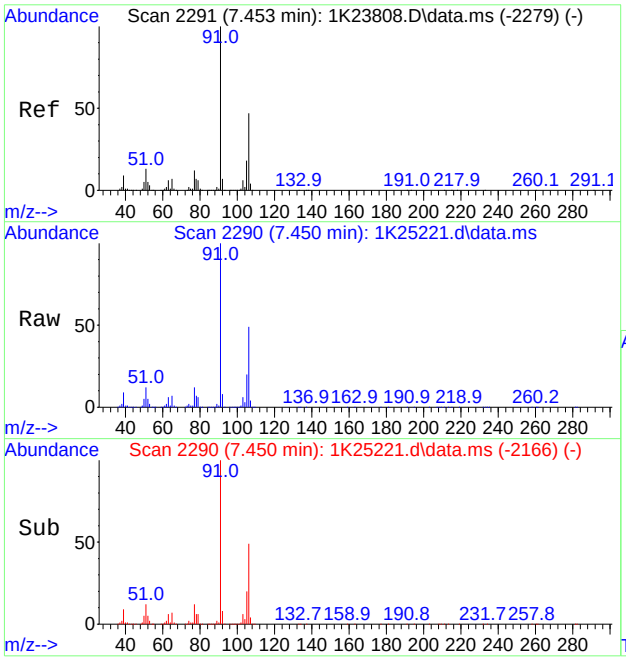


#88
m,p-xylene
Concen: 95.6812 ug/L
RT: 7.200 min Scan# 2212
Delta R.T. 0.003 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion:106 Resp: 1314216

Ion	Ratio	Lower	Upper
106	100		
91	192.6	176.0	236.0
77	24.2	5.9	45.9

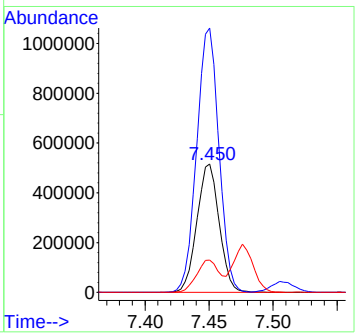


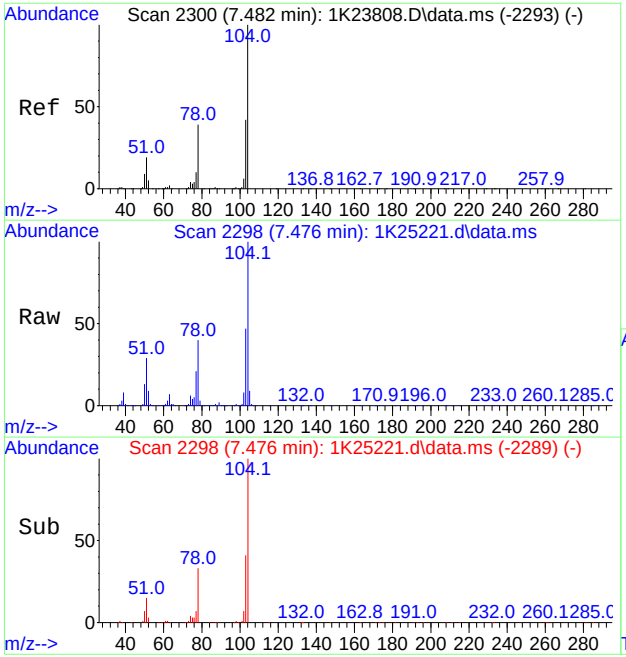


#89
o-xylene
Concen: 47.5725 ug/L
RT: 7.450 min Scan# 2290
Delta R.T. 0.000 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion:106 Resp: 624910

Ion	Ratio	Lower	Upper
106	100		
91	205.9	183.9	243.9
77	25.1	5.0	45.0

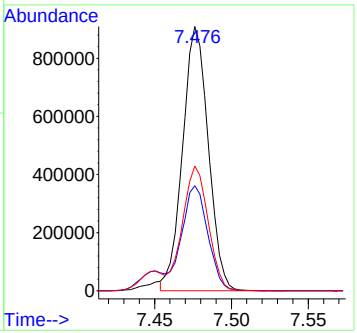


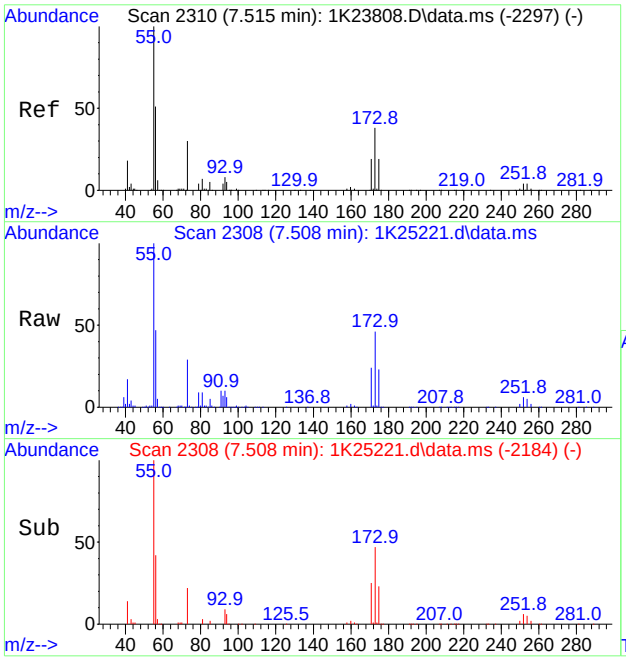


#90
styrene
Concen: 47.6387 ug/L
RT: 7.476 min Scan# 2298
Delta R.T. 0.000 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion:104 Resp: 1057205

Ion	Ratio	Lower	Upper
104	100		
78	39.7	13.8	73.8
103	47.2	16.3	76.3

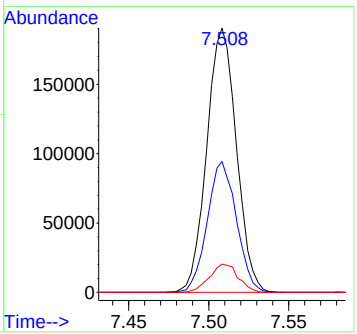


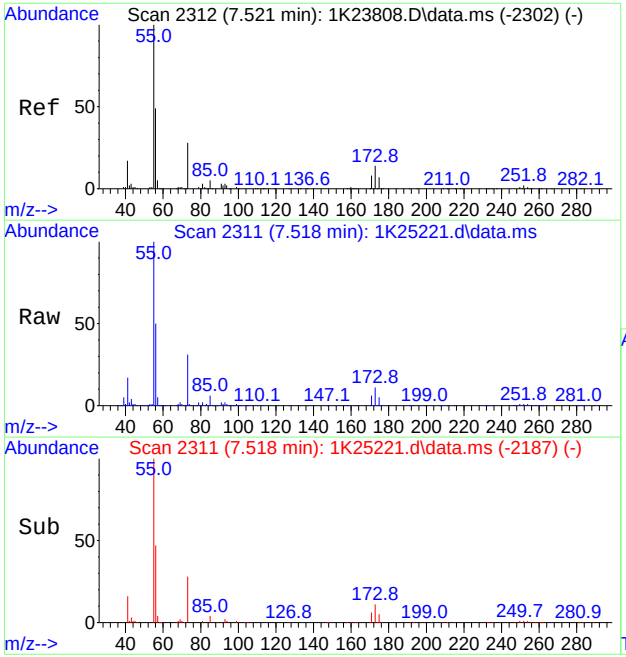


#91
bromoform
Concen: 44.8668 ug/L
RT: 7.508 min Scan# 2308
Delta R.T. 0.000 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion:173 Resp: 245730

Ion	Ratio	Lower	Upper
173	100		
175	49.5	20.6	80.6
254	10.7	0.0	39.4

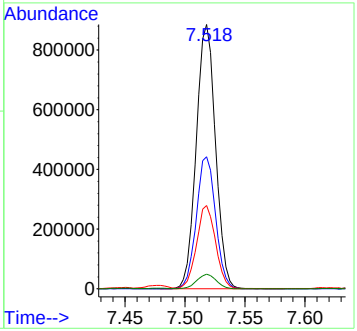


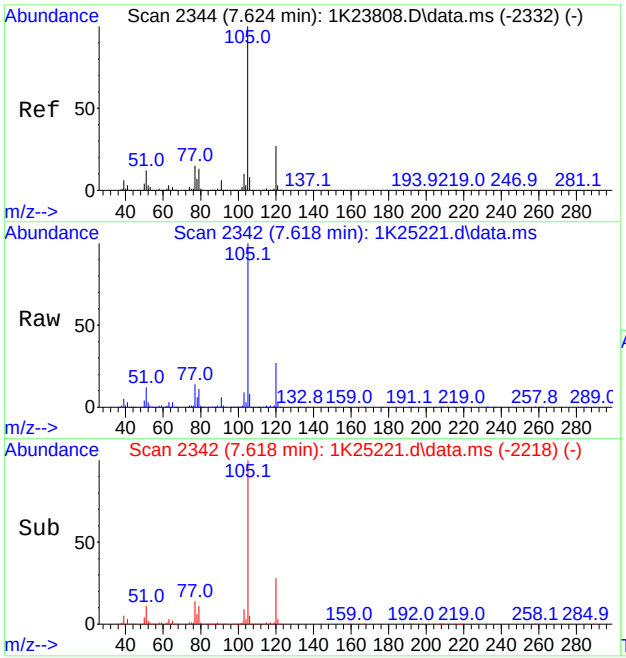


#92
butyl acrylate
Concen: 46.1827 ug/L
RT: 7.518 min Scan# 2311
Delta R.T. 0.000 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion: 55 Resp: 987754

Ion	Ratio	Lower	Upper
55	100		
56	50.0	19.2	79.2
73	31.4	0.0	59.1
85	5.5	0.0	35.4

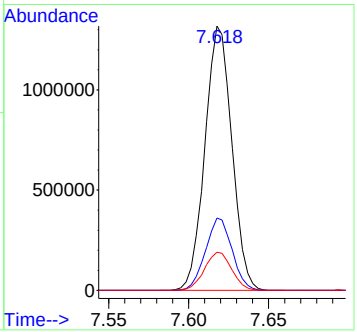


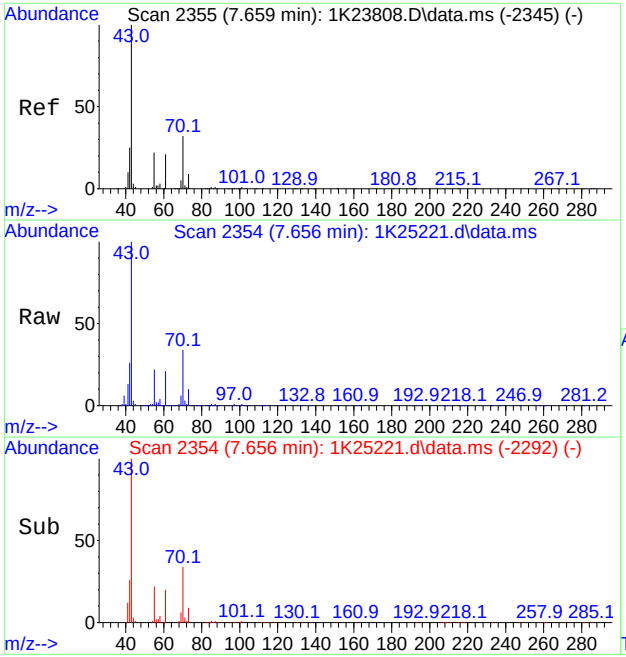


#93
isopropylbenzene
Concen: 47.3642 ug/L
RT: 7.618 min Scan# 2342
Delta R.T. 0.000 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion:105 Resp: 1543724

Ion	Ratio	Lower	Upper
105	100		
120	27.3	7.4	47.4
77	14.4	0.0	35.4

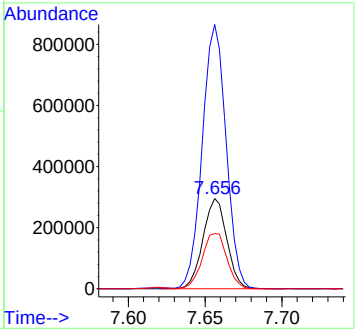


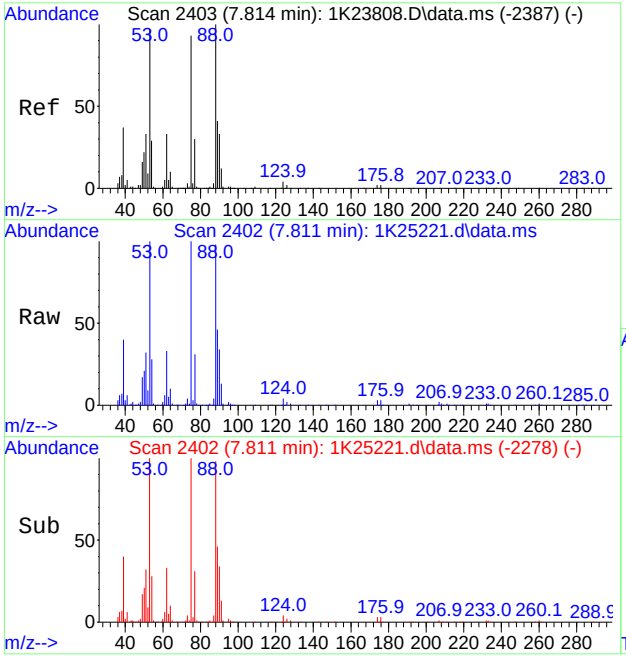


#94
n-amyl acetate
Concen: 45.4106 ug/L
RT: 7.656 min Scan# 2354
Delta R.T. 0.000 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion: 70 Resp: 318952

Ion	Ratio	Lower	Upper
70	100		
43	292.5	293.9	333.9#
61	61.3	48.4	88.4

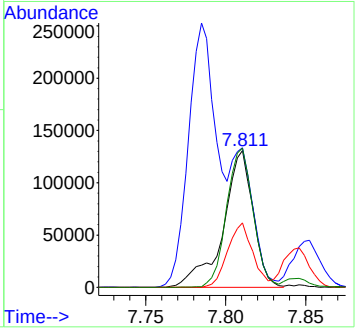


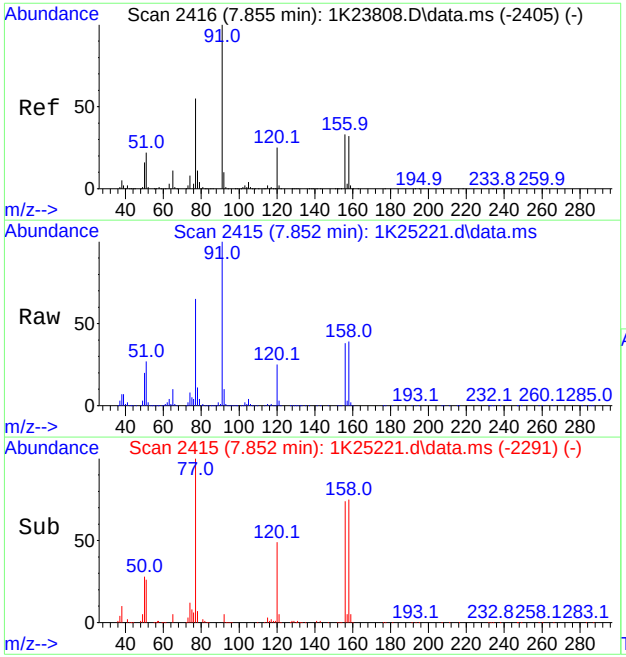


#95
cis-1,4-dichloro-2-butene
Concen: 34.8086 ug/L
RT: 7.811 min Scan# 2402
Delta R.T. 0.000 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion: 88 Resp: 171755

Ion	Ratio	Lower	Upper
88	100		
75	101.4	72.9	112.9
89	47.2	20.6	60.6
53	101.7	76.9	116.9

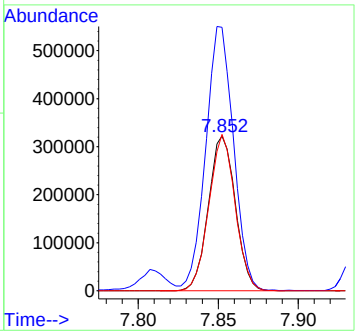


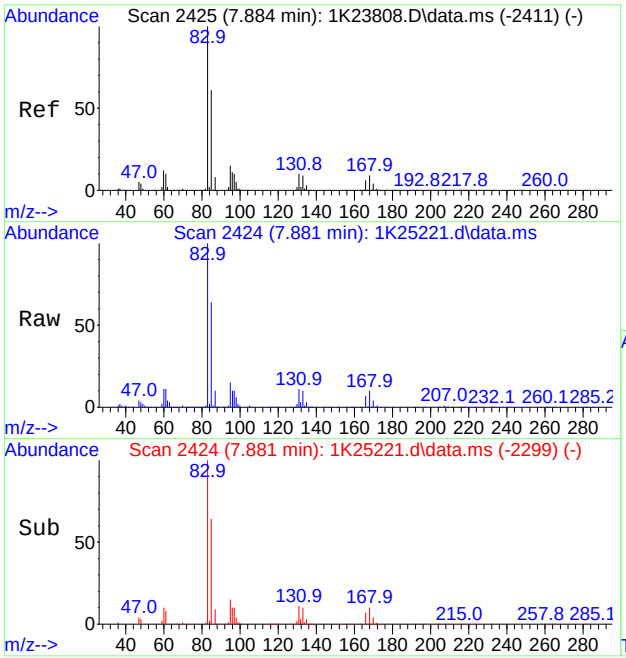


#98
bromobenzene
Concen: 45.9265 ug/L
RT: 7.852 min Scan# 2415
Delta R.T. 0.000 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion:156 Resp: 378234

Ion	Ratio	Lower	Upper
156	100		
77	169.7	150.1	210.1
158	101.1	66.6	126.6

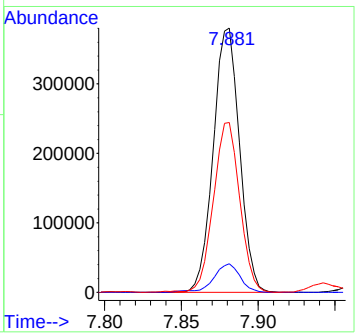


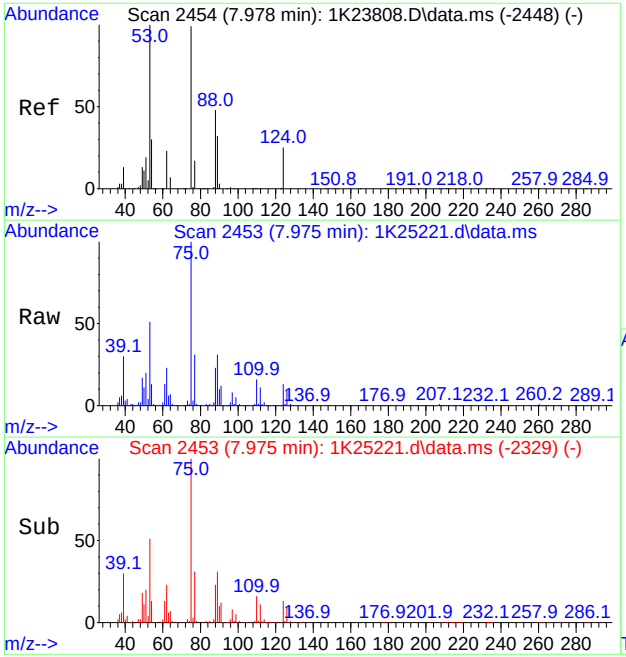


#99
1,1,2,2-tetrachloroethane
Concen: 44.1346 ug/L
RT: 7.881 min Scan# 2424
Delta R.T. 0.003 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion: 83 Resp: 452741

Ion	Ratio	Lower	Upper
83	100		
131	10.9	0.0	40.0
85	64.1	31.1	91.1

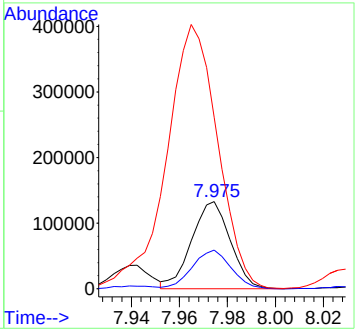


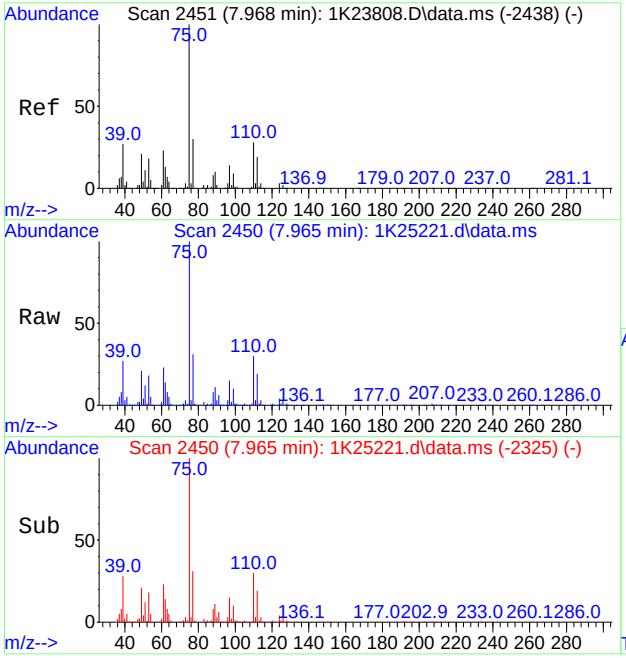


#100
trans-1,4-dichloro-2-butene
Concen: 32.3678 ug/L
RT: 7.975 min Scan# 2453
Delta R.T. 0.000 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion: 53 Resp: 148934

Ion	Ratio	Lower	Upper
53	100		
88	44.2	17.1	77.1
75	196.0	162.2	222.2

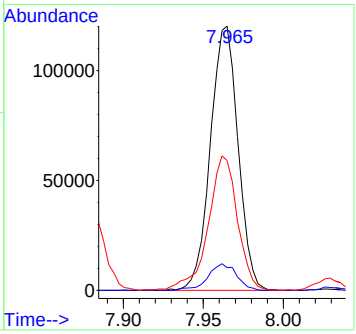


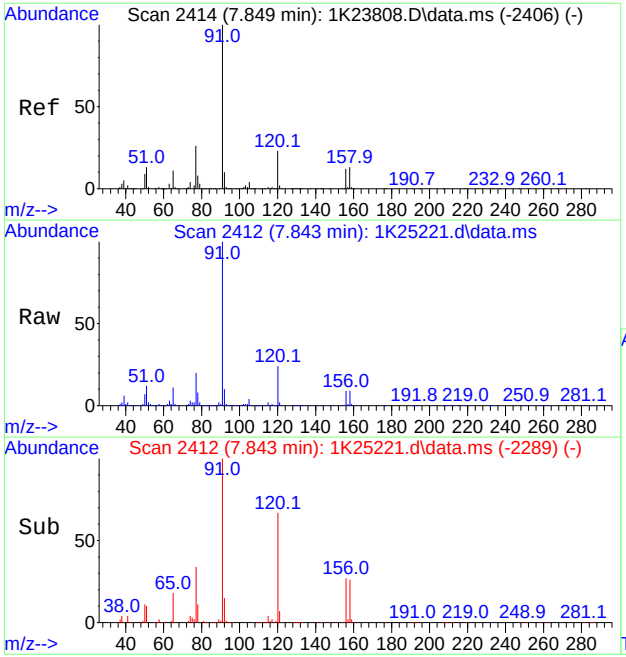


#101
1,2,3-trichloropropane
Concen: 42.2123 ug/L
RT: 7.965 min Scan# 2450
Delta R.T. 0.003 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion:110 Resp: 144813

Ion	Ratio	Lower	Upper
110	100		
111	8.6	0.0	39.1
97	49.1	20.8	80.8

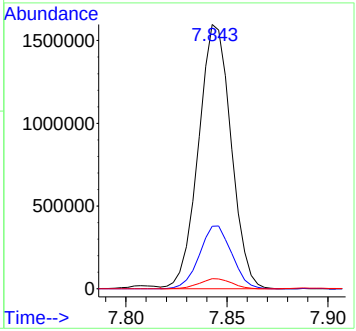


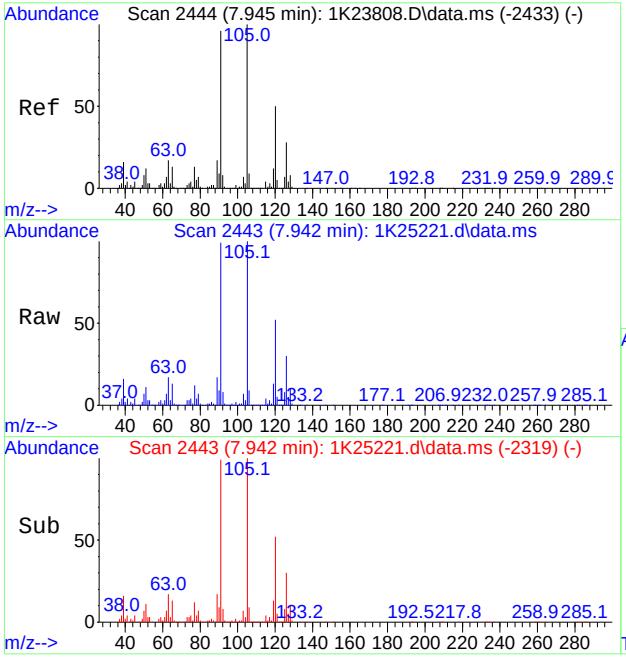


#102
n-propylbenzene
Concen: 46.9329 ug/L
RT: 7.843 min Scan# 2412
Delta R.T. -0.003 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion: 91 Resp: 1792641

Ion	Ratio	Lower	Upper
91	100		
120	23.6	0.0	52.5
105	3.8	0.0	33.5

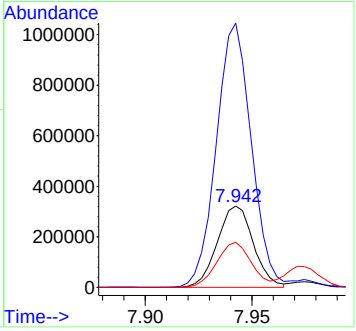


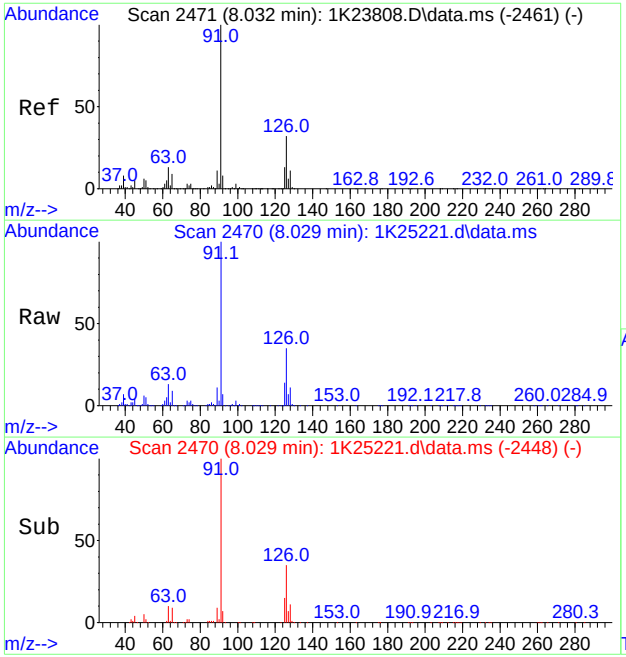


#103
2-chlorotoluene
Concen: 48.7622 ug/L
RT: 7.942 min Scan# 2443
Delta R.T. 0.000 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion:126 Resp: 378793

Ion	Ratio	Lower	Upper
126	100		
91	325.0	316.4	376.4
89	55.5	33.0	93.0

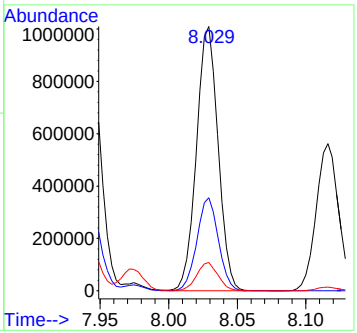


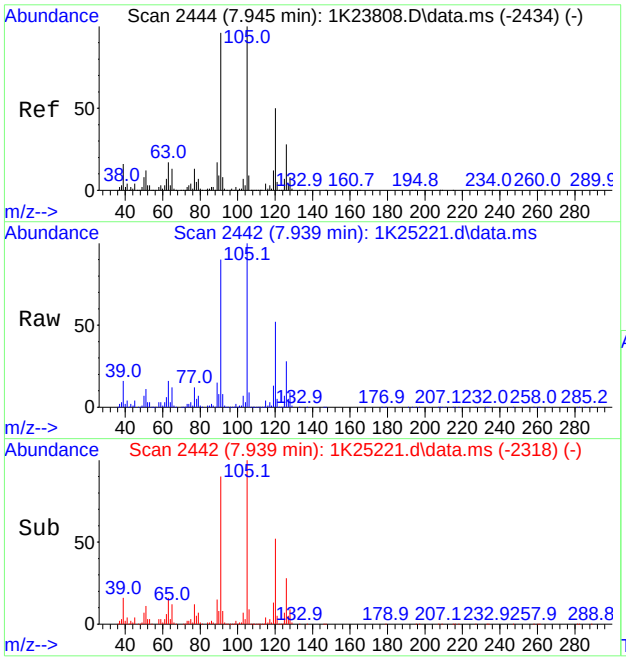


#104
4-chlorotoluene
Concen: 44.0992 ug/L
RT: 8.029 min Scan# 2470
Delta R.T. 0.000 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion: 91 Resp: 1105203

Ion	Ratio	Lower	Upper
91	100		
126	35.2	2.1	62.1
89	10.7	0.0	41.4

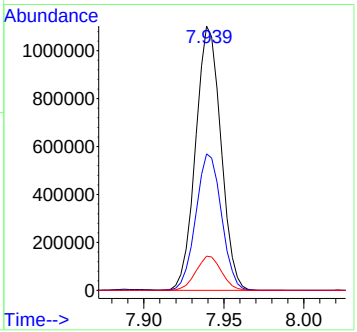


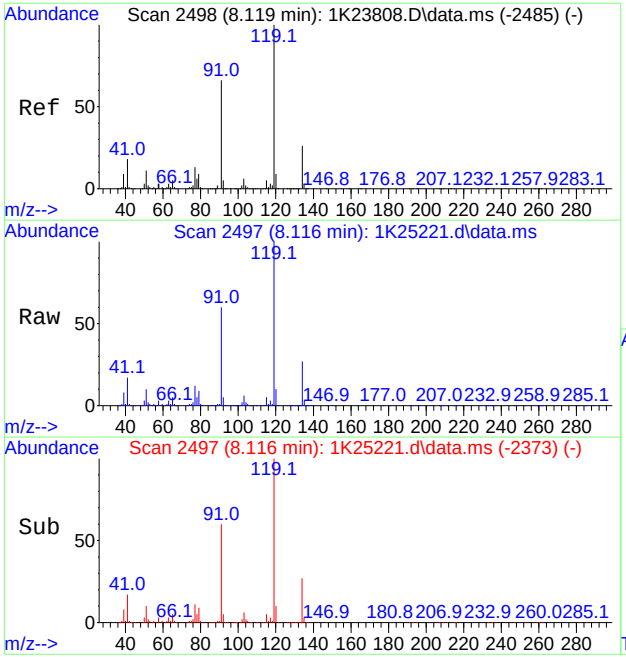


#105
1,3,5-trimethylbenzene
Concen: 46.4790 ug/L
RT: 7.939 min Scan# 2442
Delta R.T. 0.000 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion:105 Resp: 1213931

Ion	Ratio	Lower	Upper
105	100		
120	51.6	20.0	80.0
119	12.9	0.0	41.7

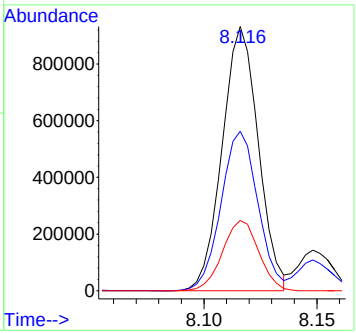


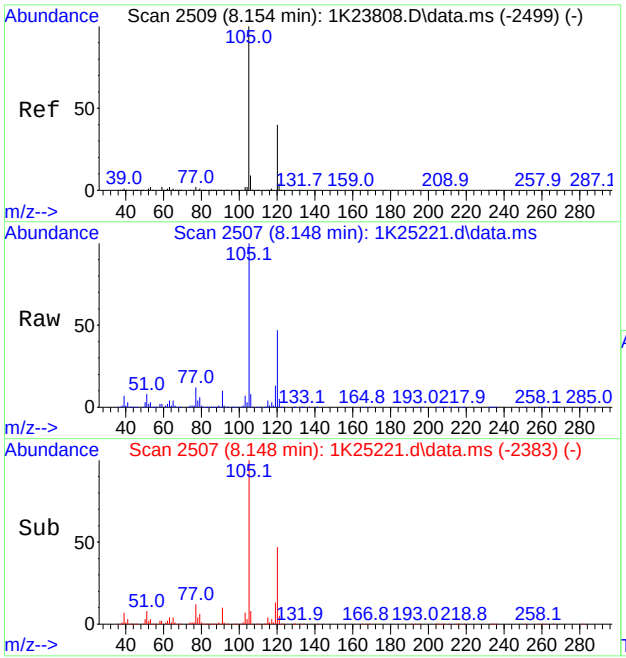


#106
tert-butylbenzene
Concen: 46.2187 ug/L
RT: 8.116 min Scan# 2497
Delta R.T. 0.000 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion:119 Resp: 1036335

Ion	Ratio	Lower	Upper
119	100		
91	60.3	36.3	96.3
134	26.7	0.0	56.2

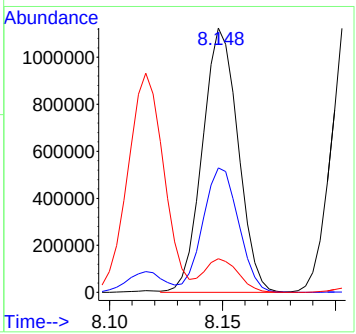


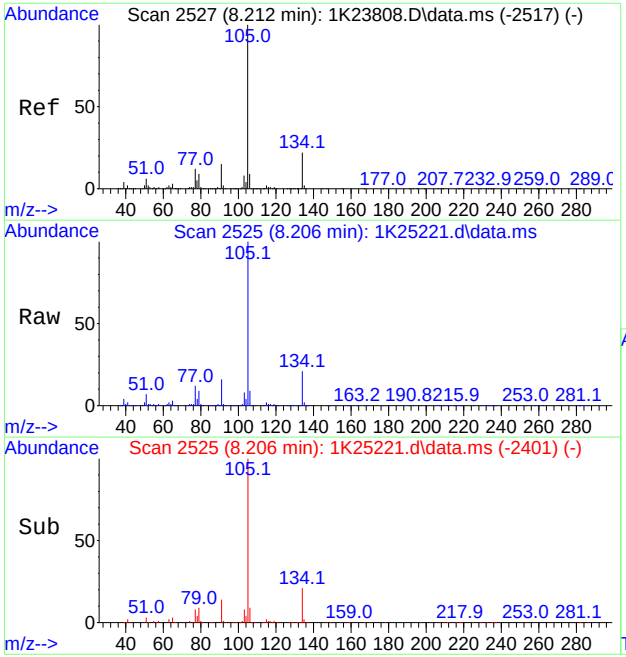


#107
1,2,4-trimethylbenzene
Concen: 45.3481 ug/L
RT: 8.148 min Scan# 2507
Delta R.T. 0.000 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion:105 Resp: 1228297

Ion	Ratio	Lower	Upper
105	100		
120	47.0	17.1	77.1
119	12.7	0.0	42.1

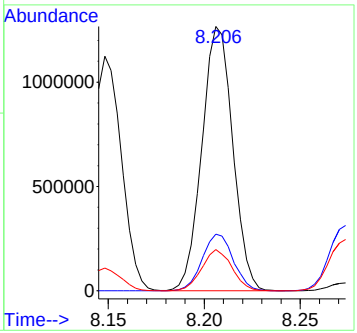


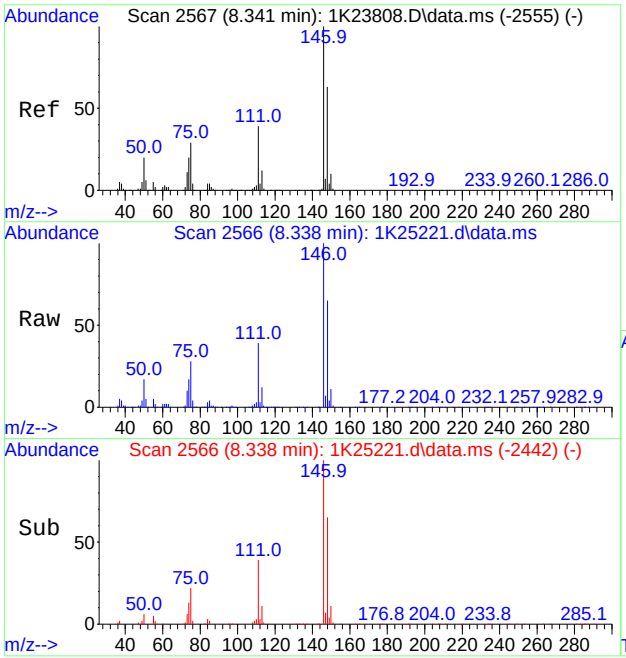


#108
sec-butylbenzene
Concen: 47.2249 ug/L
RT: 8.206 min Scan# 2525
Delta R.T. 0.000 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion:105 Resp: 1418883

Ion	Ratio	Lower	Upper
105	100		
134	21.4	0.0	51.5
91	15.5	0.0	45.0

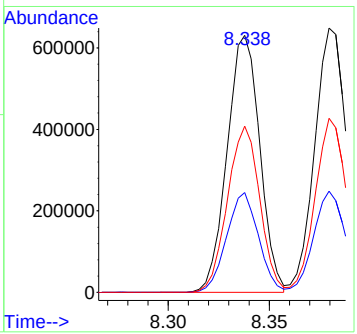


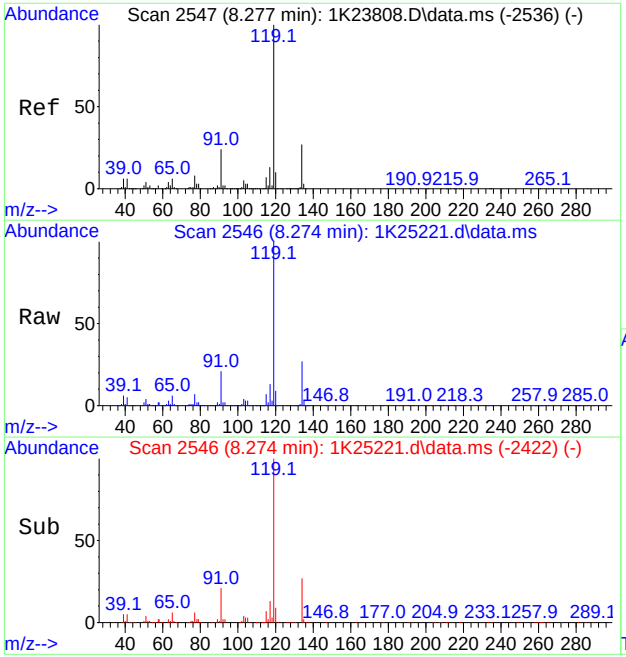


#109
1,3-dichlorobenzene
Concen: 47.1067 ug/L
RT: 8.338 min Scan# 2566
Delta R.T. 0.000 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion:146 Resp: 709854

Ion	Ratio	Lower	Upper
146	100		
111	38.8	8.9	68.9
148	64.7	32.9	92.9

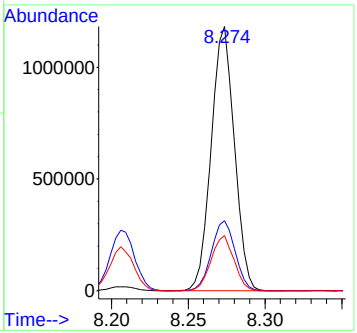


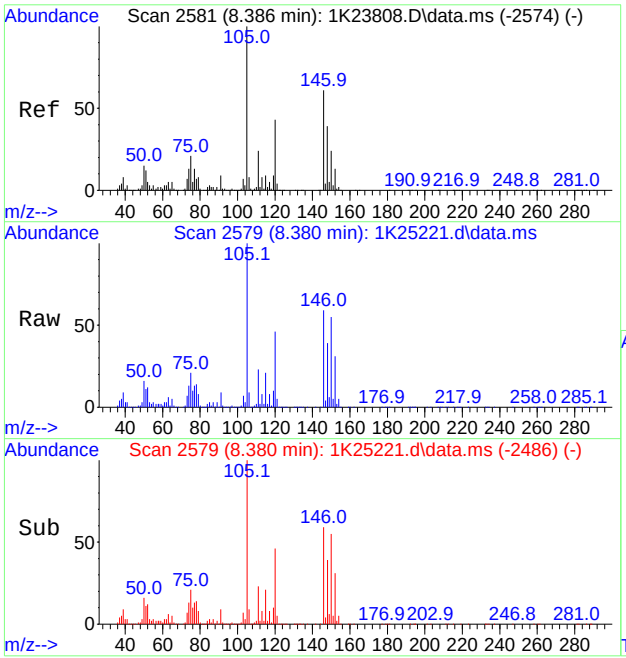


#110
p-isopropyltoluene
Concen: 47.6054 ug/L
RT: 8.274 min Scan# 2546
Delta R.T. 0.000 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion:119 Resp: 1242545

Ion	Ratio	Lower	Upper
119	100		
134	26.5	0.0	56.8
91	20.9	0.0	53.8

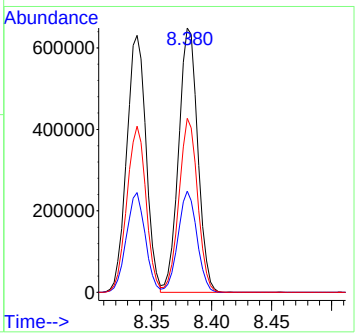


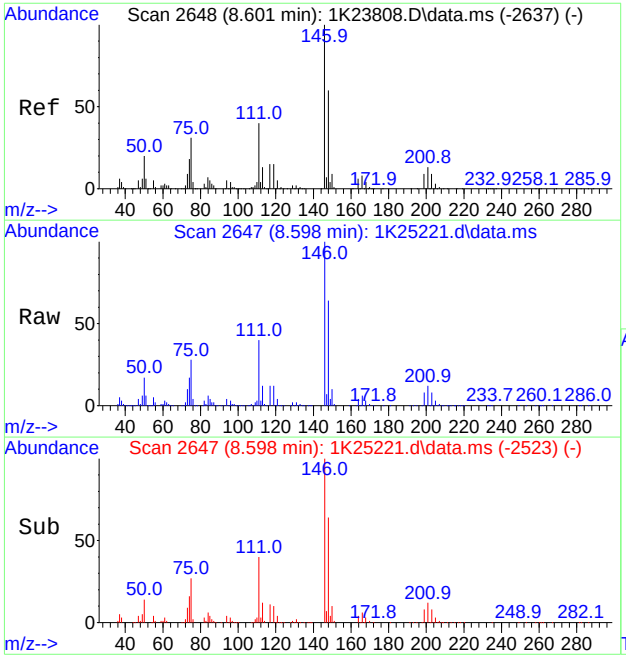


#111
1,4-dichlorobenzene
Concen: 46.1805 ug/L
RT: 8.380 min Scan# 2579
Delta R.T. 0.000 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion:146 Resp: 718670

Ion	Ratio	Lower	Upper
146	100		
111	38.3	9.1	69.1
148	65.8	33.9	93.9

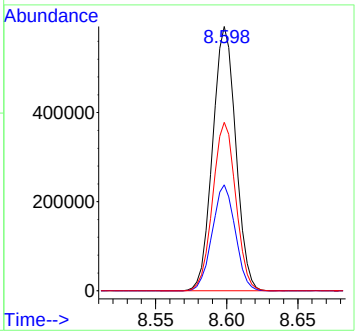


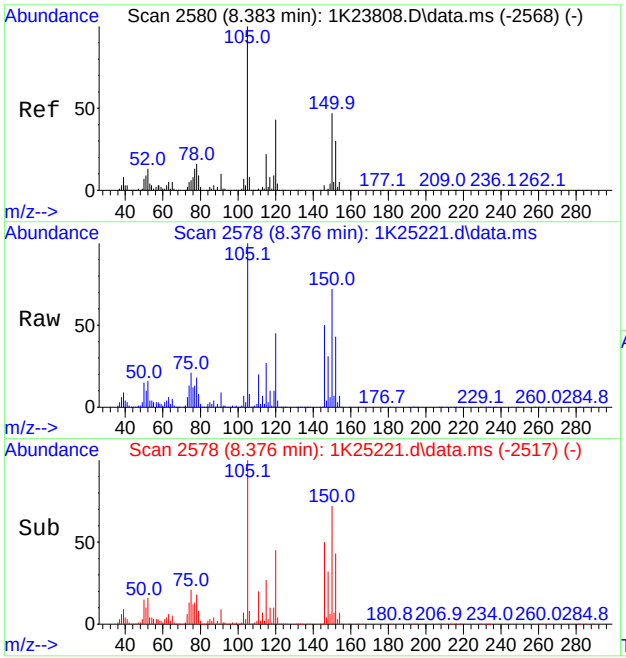


#112
1,2-dichlorobenzene
Concen: 46.5909 ug/L
RT: 8.598 min Scan# 2647
Delta R.T. 0.000 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion:146 Resp: 670777

Ion	Ratio	Lower	Upper
146	100		
111	40.0	9.9	69.9
148	63.7	30.0	90.0

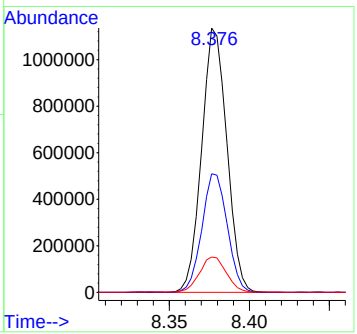


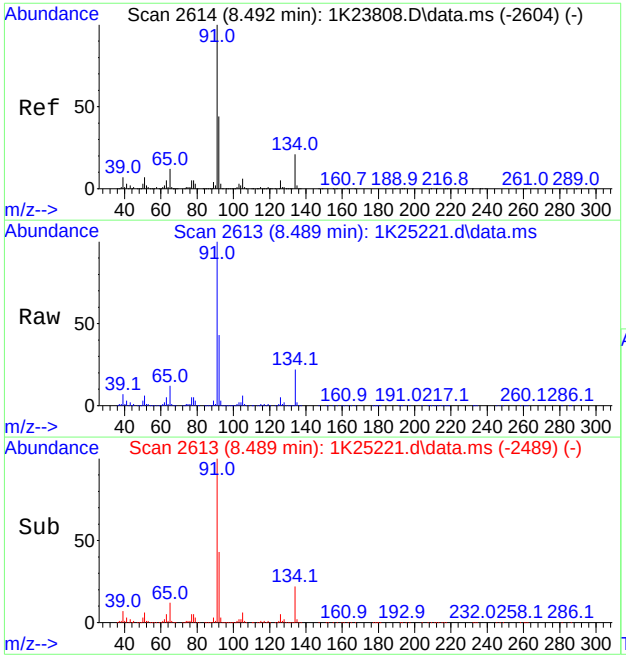


#113
1,2,3-trimethylbenzene
Concen: 45.1638 ug/L
RT: 8.376 min Scan# 2578
Delta R.T. -0.003 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion:105 Resp: 1245258

Ion	Ratio	Lower	Upper
105	100		
120	44.9	12.7	72.7
77	13.3	0.0	43.6

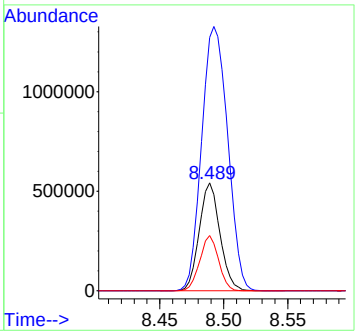


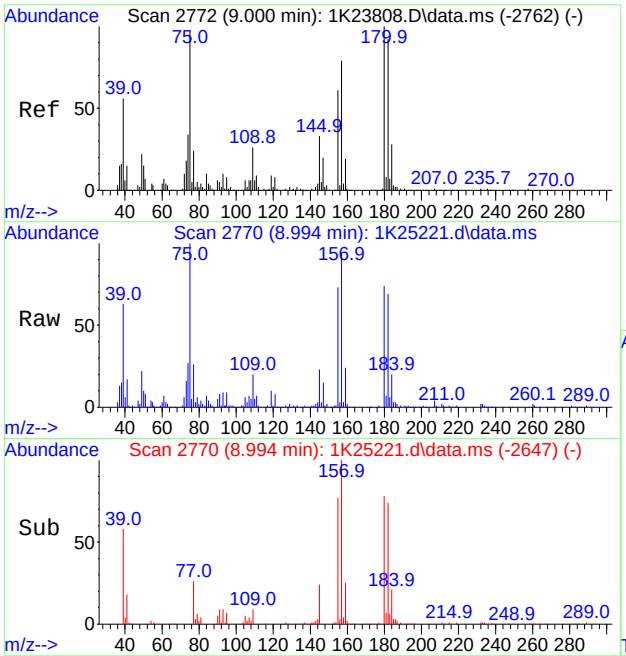


#114
n-butylbenzene
Concen: 43.9396 ug/L
RT: 8.489 min Scan# 2613
Delta R.T. 0.000 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion: 92 Resp: 610206

Ion	Ratio	Lower	Upper
92	100		
91	235.0	199.3	259.3
134	51.3	17.7	77.7

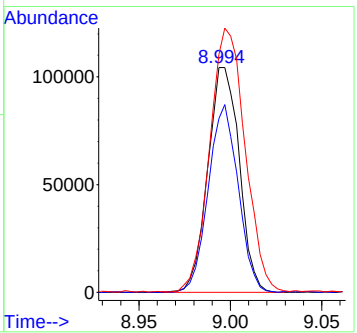


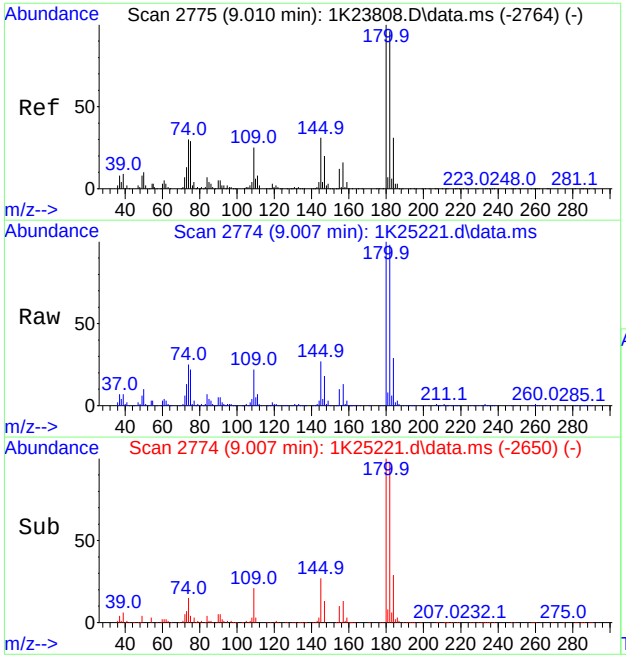


#115
1,2-dibromo-3-chloropropane
Concen: 43.2065 ug/L
RT: 8.994 min Scan# 2770
Delta R.T. -0.003 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion:157 Resp: 125378

Ion	Ratio	Lower	Upper
157	100		
155	77.4	47.8	107.8
75	105.5	92.6	152.6

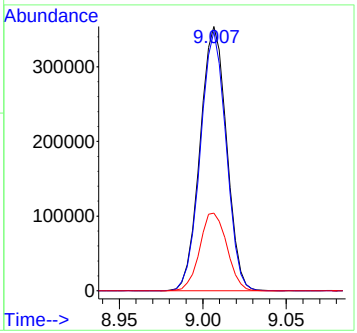


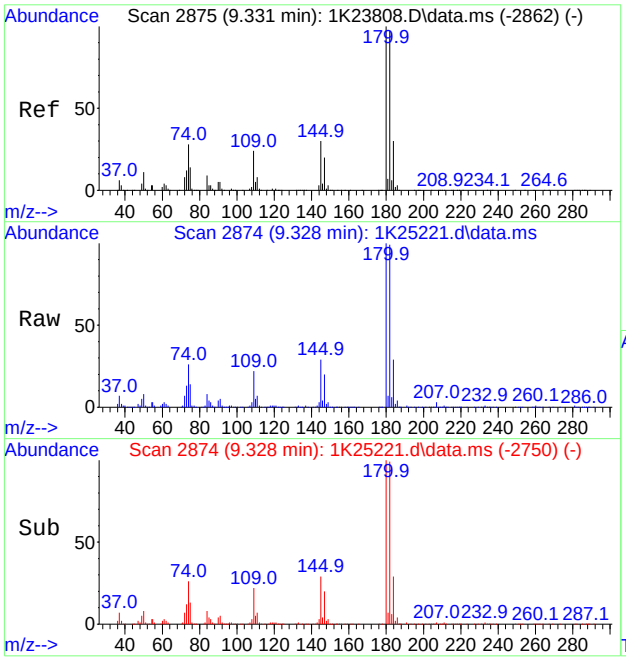


#116
1,3,5-trichlorobenzene
Concen: 45.8424 ug/L
RT: 9.007 min Scan# 2774
Delta R.T. 0.000 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion:180 Resp: 390313

Ion	Ratio	Lower	Upper
180	100		
182	98.0	76.0	116.0
184	29.3	11.0	51.0

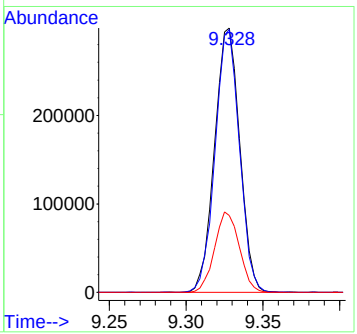


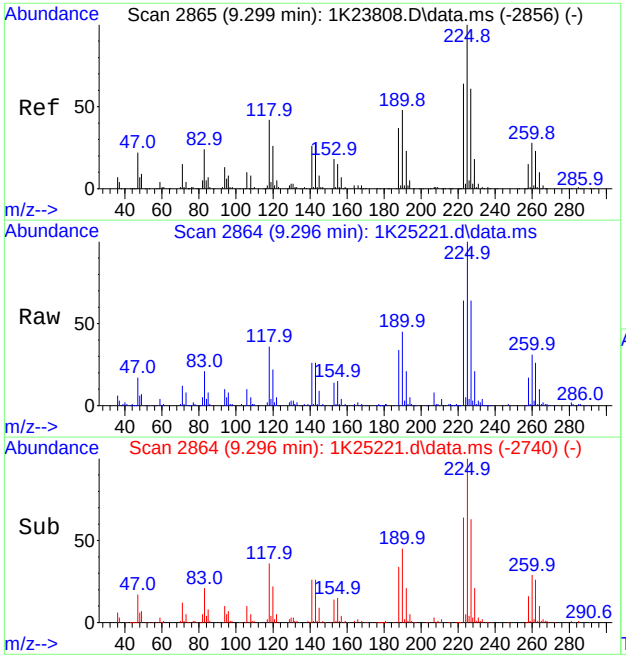


#117
1,2,4-trichlorobenzene
Concen: 44.9044 ug/L
RT: 9.328 min Scan# 2874
Delta R.T. 0.000 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion:180 Resp: 340893

Ion	Ratio	Lower	Upper
180	100		
182	99.4	67.0	127.0
184	29.1	0.2	60.2

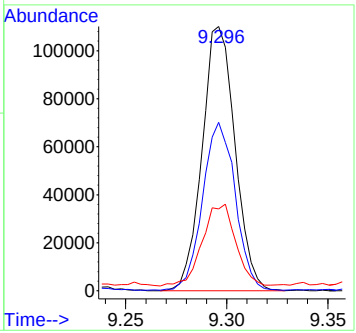


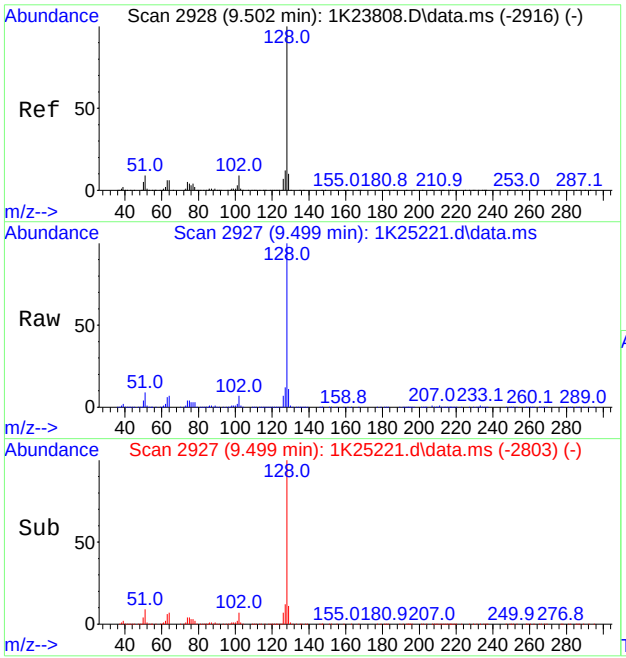


#118
hexachlorobutadiene
Concen: 46.7748 ug/L
RT: 9.296 min Scan# 2864
Delta R.T. 0.000 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion:225 Resp: 124805

Ion	Ratio	Lower	Upper
225	100		
227	63.5	31.7	91.7
260	29.2	0.0	58.9

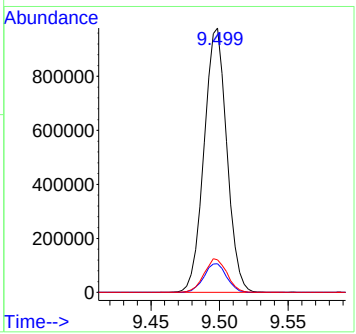


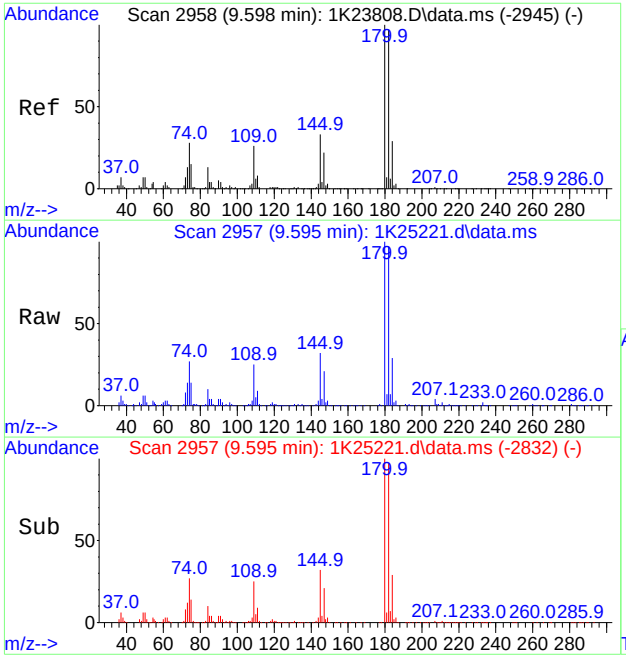


#119
naphthalene
Concen: 45.3967 ug/L
RT: 9.499 min Scan# 2927
Delta R.T. 0.000 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion:128 Resp: 1129048

Ion	Ratio	Lower	Upper
128	100		
129	10.9	0.0	40.4
127	12.3	0.0	42.3

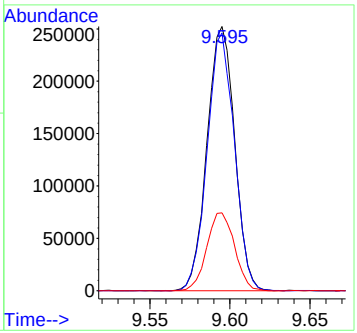


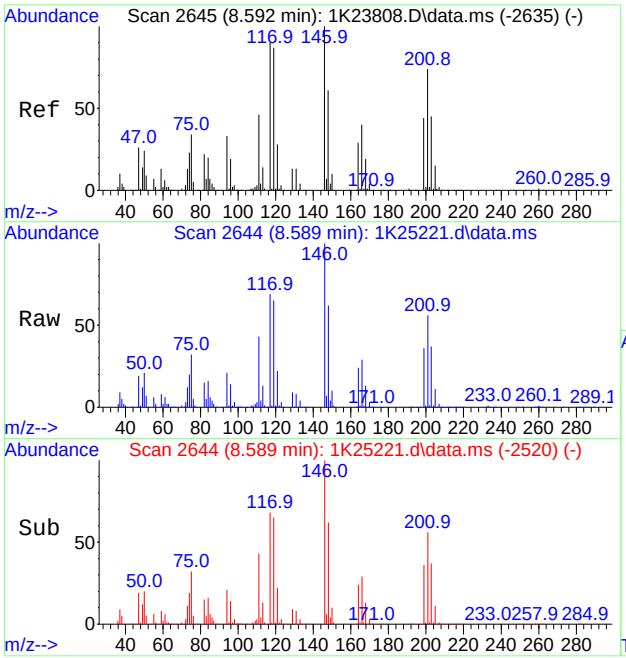


#120
1,2,3-trichlorobenzene
Concen: 45.3132 ug/L
RT: 9.595 min Scan# 2957
Delta R.T. 0.003 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion:180 Resp: 303885

Ion	Ratio	Lower	Upper
180	100		
182	97.5	66.8	126.8
184	29.5	0.0	59.3

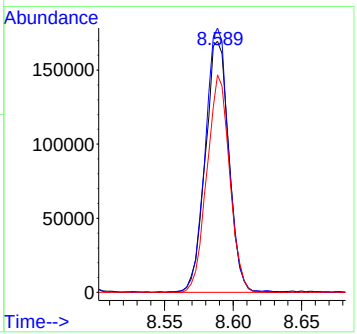


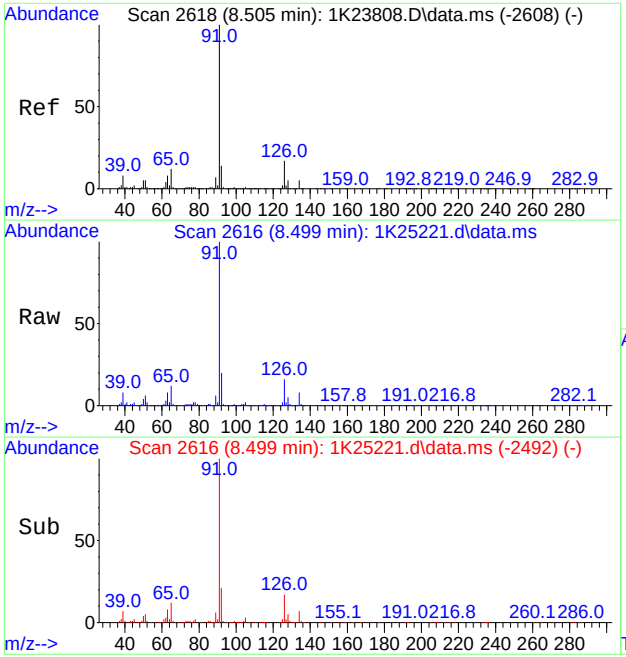


#121
hexachloroethane
Concen: 43.0965 ug/L
RT: 8.589 min Scan# 2644
Delta R.T. 0.000 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion:119 Resp: 202863

Ion	Ratio	Lower	Upper
119	100		
117	105.1	74.2	134.2
201	86.5	55.5	115.5

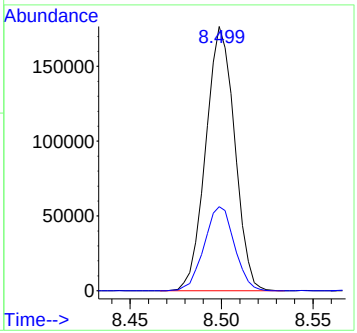


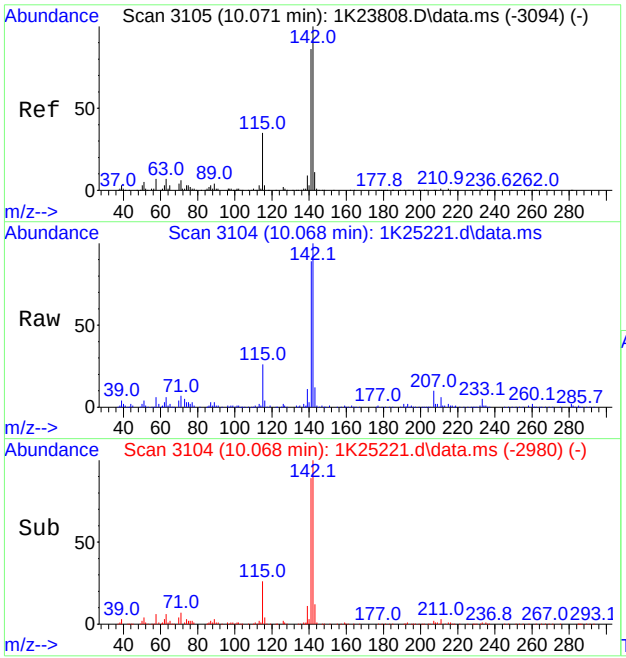


#122
benzyl chloride
Concen: 42.8677 ug/L
RT: 8.499 min Scan# 2616
Delta R.T. 0.000 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion:126 Resp: 194775

Ion	Ratio	Lower	Upper
126	100		
128	31.8	0.0	59.1

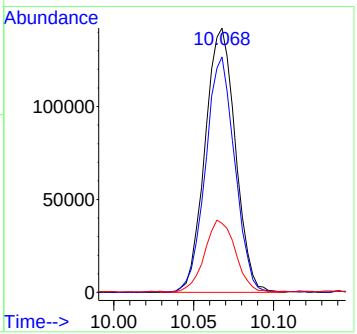




#123
2-methylnaphthalene
Concen: 20.6487 ug/L
RT: 10.068 min Scan# 3104
Delta R.T. 0.000 min
Lab File: 1K25221.d
Acq: 18 Oct 2025 2:42 am

Tgt Ion:142 Resp: 187765

Ion	Ratio	Lower	Upper
142	100		
141	88.6	56.3	116.3
115	25.8	4.7	64.7



Manual Integrations APPROVED (compounds with "m" flag)
Nizel Eugenio 10/21/25 22:56

Quantitation Report (QT Reviewed)

Data Path : R:\MSVOA\Done\Batch\2025\10. October\10-20-2025\braianc\V1T610\
Data File : 1T25502.D
Acq On : 20 Oct 2025 04:23 pm
Operator : edwardd
Sample : JE21330-9ms Inst : GCMST
Misc : MS98282,V1T0610,5,,,,25
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Oct 20 20:40:32 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 11:55:28 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	1.988	65	351860	500.00	ug/L	0.00
5) pentafluorobenzene	3.729	168	616577	50.00	ug/L	0.00
50) 1,4-difluorobenzene	4.311	114	1072158	50.00	ug/L	0.00
72) chlorobenzene-d5	6.282	117	879182	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	7.556	152	434813	50.00	ug/L	0.00
124) pentafluorobenzene(a)	3.729	168	616577	50.00	ug/L	0.00
132) 1,4-dichlorobenzene-d4(a)	7.556	152	434813	50.00	ug/L	0.00
System Monitoring Compounds						
42) dibromofluoromethane (s)	3.178	113	365765	50.15	ug/L	0.00
Spiked Amount 50.000	Range 75 - 127		Recovery = 100.30%			
51) 1,2-dichloroethane-d4 (s)	3.739	65	390372	48.72	ug/L	0.00
Spiked Amount 50.000	Range 75 - 130		Recovery = 97.44%			
73) toluene-d8 (s)	5.328	98	1217623	51.09	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 102.18%			
97) 4-bromofluorobenzene (s)	6.985	95	434926	54.08	ug/L	0.00
Spiked Amount 50.000	Range 79 - 127		Recovery = 108.16%			
Target Compounds						Qvalue
2) ethanol	1.469	45	232143	4619.4829	ug/L	96
3) tertiary butyl alcohol	2.035	59	154410	256.3282	ug/L	96
4) 1,4-dioxane	4.919	88	59281	1404.4920	ug/L	88
6) chlorodifluoromethane	0.897	51	182003	37.8580	ug/L	99
7) dichlorodifluoromethane	0.876	85	326410	56.6112	ug/L	99
8) chloromethane	0.966	50	228404	67.0130	ug/L	98
9) vinyl chloride	1.002	62	283561	61.1191	ug/L	99
10) 1,3-butadiene	1.007	39	121435	38.0496	ug/L	85
11) bromomethane	1.144	96	77987	28.5329	ug/L #	97
12) chloroethane	1.201	64	126537	30.1735	ug/L	99
13) trichlorofluoromethane	1.264	101	434627	41.9183	ug/L	100
14) ethyl ether	1.406	74	98324	40.2502	ug/L	99
15) acrolein	1.679	56	40552	43.9825	ug/L	94
16) freon 113	1.527	151	144737	43.7129	ug/L	98
17) 1,1-dichloroethene	1.506	61	268209	39.9262	ug/L	97
18) acetone	1.841	58	91541	158.4054	ug/L	90
19) acetonitrile	2.124	41	284332	538.0968	ug/L	99
20) iodomethane	1.584	142	88281	37.8594	ug/L	89
21) carbon disulfide	1.532	76	447879	35.1661	ug/L	97
22) methylene chloride	1.815	84	199142	40.9483	ug/L	99
23) methyl acetate	1.915	74	37797	41.0941	ug/L	96
24) methyl tert butyl ether	1.977	73	517943	50.5088	ug/L	92
25) trans-1,2-dichloroethene	1.909	96	203770	44.6007	ug/L	98
26) hexane	1.962	57	334796	56.8193	ug/L	97
27) di-isopropyl ether	2.240	45	454095	59.4161	ug/L	93
28) ethyl tert-butyl ether	2.512	59	527149	52.4978	ug/L	98
29) 2-butanone	3.309	72	135939	201.7658	ug/L	97
30) 1,1-dichloroethane	2.313	63	359287	52.3329	ug/L	99
31) chloroprene	2.297	53	289055	50.3245	ug/L	98
32) acrylonitrile	2.344	52	71381	52.1812	ug/L	89
33) vinyl acetate	2.512	86	46819	44.7991	ug/L #	89
34) ethyl acetate	3.136	70	31303	50.2137	ug/L	90
35) 2,2-dichloropropane	2.837	77	333387	59.2081	ug/L	100
36) cis-1,2-dichloroethene	2.743	96	273537	67.9834	ug/L	98
37) propionitrile	3.608	54	399741	551.9567	ug/L	95
38) methyl acrylate	3.141	85	39566	46.9573	ug/L	97
39) bromochloromethane	2.921	128	105004	51.3994	ug/L	96
40) tetrahydrofuran	3.152	71	33312	50.6361	ug/L	95

Quantitation Report (QT Reviewed)

Data Path : R:\MSVOA\Done\Batch\2025\10. October\10-20-2025\braianc\V1T610\
Data File : 1T25502.D
Acq On : 20 Oct 2025 04:23 pm
Operator : edwardd
Sample : JE21330-9ms Inst : GCMST
Misc : MS98282,V1T0610,5,,,,25
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Oct 20 20:40:32 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 11:55:28 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) chloroform	3.005	47	81575	43.2585	ug/L		99
43) methacrylonitrile	3.634	67	90486	46.4205	ug/L		97
44) 1,1,1-trichloroethane	3.199	97	366077	57.7490	ug/L		96
45) cyclohexane	2.932	84	327099	57.3814	ug/L		92
46) 1,1-dichloropropene	3.330	75	281549	52.6106	ug/L		98
47) carbon tetrachloride	3.131	117	325125	57.8851	ug/L		95
48) isobutyl alcohol	3.938	43	94526	624.0563	ug/L		95
49) tert-amyl alcohol	4.043	55	59211	288.6018	ug/L		97
52) iso-octane	3.472	57	482445	59.6160	ug/L		93
53) benzene	3.592	78	780571	55.6385	ug/L		98
54) tert-amyl methyl ether	3.771	73	497770	53.5492	ug/L		99
55) heptane	3.613	57	92190	58.5299	ug/L		98
56) isopropyl acetate	4.190	87	50263	44.9774	ug/L	#	86
57) 1,2-dichloroethane	3.818	62	281762	46.1704	ug/L		99
58) n-butyl alcohol	4.636	56	367787	3389.7793	ug/L		93
59) ethyl acrylate	4.772	55	256038	57.9786	ug/L		98
60) trichloroethene	4.263	130	218741	57.1106	ug/L		95
61) 2-nitropropane	5.480	41	63812m	46.8966	ug/L		
62) 2-chloroethyl vinyl ether	5.191	63	593415	231.1045	ug/L		98
63) methyl methacrylate	4.924	100	60655	54.1830	ug/L	#	87
64) 1,2-dichloropropane	4.704	63	204135	56.9795	ug/L		98
65) methylcyclohexane	4.253	98	150771	56.2485	ug/L	#	97
66) dibromomethane	4.620	93	142444	47.0872	ug/L		98
67) bromodichloromethane	4.772	83	301015	52.6541	ug/L		99
68) epichlorohydrin	5.359	57	144033	274.0495	ug/L		97
69) cis-1,3-dichloropropene	5.207	75	336297	52.1715	ug/L		100
70) 4-methyl-2-pentanone	5.590	58	356704	226.1958	ug/L		95
71) 3-methyl-1-butanol	5.501	70	149196	1164.5740	ug/L		97
74) toluene	5.354	92	495654	53.2325	ug/L		99
75) ethyl methacrylate	5.726	69	228299	57.3753	ug/L		97
76) trans-1,3-dichloropropene	5.606	75	319329	58.2162	ug/L		99
77) 1,1,2-trichloroethane	5.700	83	155868	55.8425	ug/L		98
78) tetrachloroethene	5.579	166	204777	52.6661	ug/L		98
79) 2-hexanone	6.120	58	368774	252.1159	ug/L		98
80) 1,3-dichloropropane	5.863	76	328015	57.6927	ug/L		99
81) butyl acetate	6.083	56	124416	63.0249	ug/L		93
82) dibromochloromethane	5.805	129	227510	53.7755	ug/L		97
83) 1,2-dibromoethane	5.941	107	203386	55.3413	ug/L		99
84) n-butyl ether	6.277	57	772223	62.9060	ug/L		100
85) chlorobenzene	6.293	112	542562	50.3196	ug/L		98
86) 1,1,1,2-tetrachloroethane	6.340	131	193061	51.6159	ug/L		97
87) ethylbenzene	6.324	91	940433	54.4456	ug/L		99
88) m,p-xylene	6.413	106	742979	111.6041	ug/L		99
89) o-xylene	6.660	106	346200	56.1434	ug/L		97
90) styrene	6.691	104	575937	57.9335	ug/L		97
91) bromoform	6.696	173	148415	46.0707	ug/L		99
92) butyl acrylate	6.780	55	355782	61.0073	ug/L		99
93) n-amyl acetate	6.922	70	145875	58.7384	ug/L		99
94) isopropylbenzene	6.838	105	902988	57.6187	ug/L		99
95) cis-1,4-dichloro-2-butene	7.021	88	89940	47.2274	ug/L		97
98) bromobenzene	7.037	156	213973	50.2082	ug/L		98
99) 1,1,2,2-tetrachloroethane	7.095	83	258198	49.1527	ug/L		98
100) trans-1,4-dichloro-2-b...	7.184	53	66434	49.2563	ug/L		99
101) 1,2,3-trichloropropane	7.163	110	91237	48.8427	ug/L		96
102) n-propylbenzene	7.063	91	1086167	57.6033	ug/L		99
103) 2-chlorotoluene	7.137	126	206688	53.8307	ug/L		98
104) 4-chlorotoluene	7.221	91	676188	56.5522	ug/L		98
105) 1,3,5-trimethylbenzene	7.168	105	797452	61.0220	ug/L		100

Quantitation Report (QT Reviewed)

Data Path : R:\MSVOA\Done\Batch\2025\10. October\10-20-2025\braianc\V1T610\
Data File : 1T25502.D
Acq On : 20 Oct 2025 04:23 pm
Operator : edwardd
Sample : JE21330-9ms Inst : GCMST
Misc : MS98282,V1T0610,5,,,,25
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Oct 20 20:40:32 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 11:55:28 2025
Response via : Initial Calibration

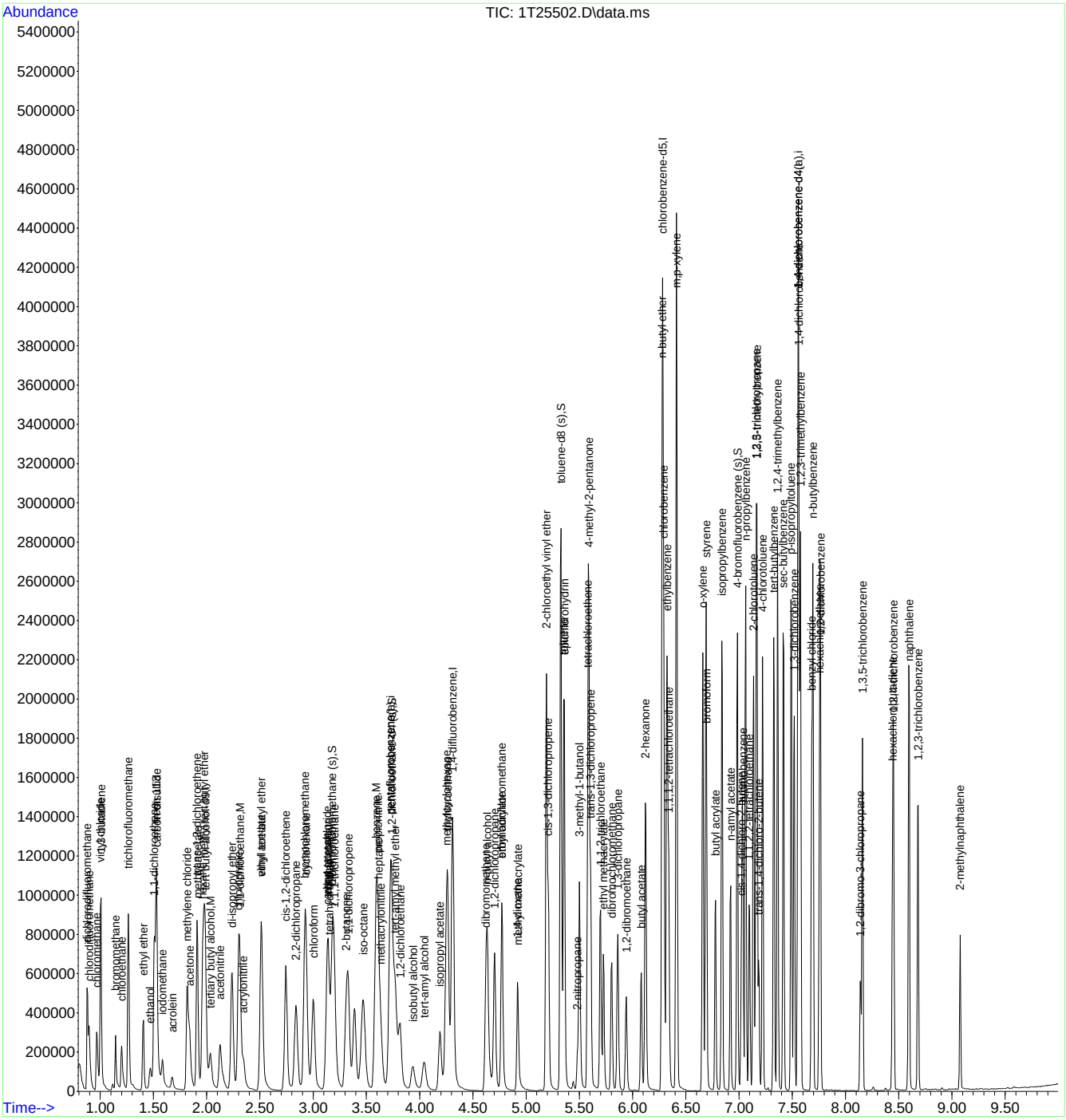
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
106) tert-butylbenzene	7.325	119	619164	59.8890	ug/L	100
107) 1,2,4-trimethylbenzene	7.362	105	805656	61.0246	ug/L	98
108) sec-butylbenzene	7.415	105	899552	60.7832	ug/L	96
109) 1,3-dichlorobenzene	7.519	146	412497	51.9857	ug/L	98
110) p-isopropyltoluene	7.488	119	784966	61.5222	ug/L	94
111) 1,4-dichlorobenzene	7.561	146	426871	50.0790	ug/L	99
112) 1,2-dichlorobenzene	7.766	146	393638	51.1638	ug/L	98
113) 1,2,3-trimethylbenzene	7.577	105	811660	54.8021	ug/L	100
114) n-butylbenzene	7.692	134	179055	58.0919	ug/L	97
115) 1,2-dibromo-3-chloropr...	8.138	157	76625	49.2380	ug/L	97
116) 1,3,5-trichlorobenzene	8.159	180	267138	52.8717	ug/L	98
117) 1,2,4-trichlorobenzene	8.453	180	239102	54.8259	ug/L	99
118) hexachlorobutadiene	8.442	225	98725	53.7590	ug/L	98
119) naphthalene	8.600	128	823340	62.5380	ug/L	99
120) 1,2,3-trichlorobenzene	8.683	180	229989	55.6380	ug/L	98
121) hexachloroethane	7.755	119	137774	54.1969	ug/L	97
122) benzyl chloride	7.682	126	118748	55.0713	ug/L	98
123) 2-methylnaphthalene	9.077	142	168411	24.6069	ug/L	99

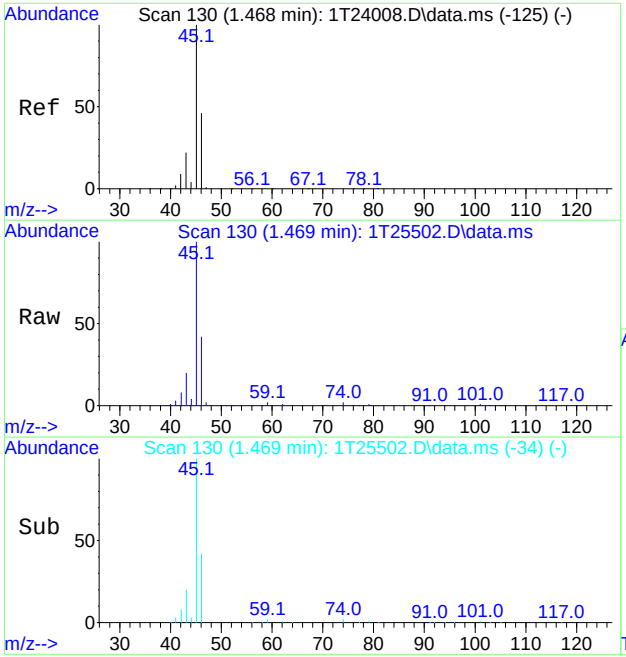
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : R:\MSVOA\Done\Batch\2025\10. October\10-20-2025\braianc\V1T610\
Data File : 1T25502.D
Acq On : 20 Oct 2025 04:23 pm
Operator : edwardd
Sample : JE21330-9ms Inst : GCMST
Misc : MS98282,V1T0610,5,,,,25
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Oct 20 20:40:32 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 11:55:28 2025
Response via : Initial Calibration

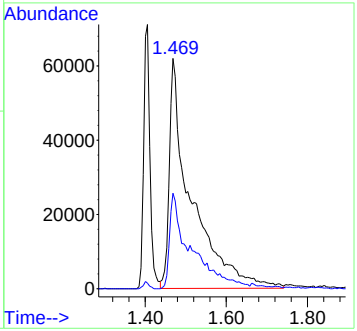


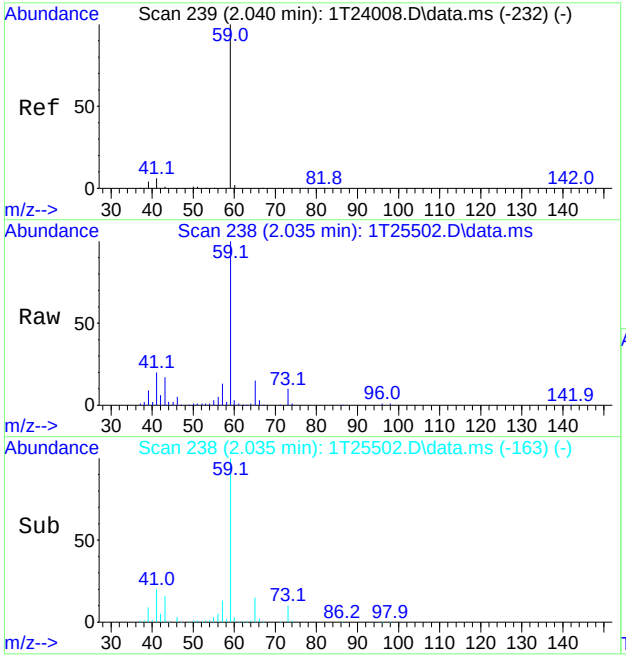


#2
ethanol
Concen: 4619.4829 ug/L
RT: 1.469 min Scan# 130
Delta R.T. 0.001 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 45 Resp: 232143

Ion	Ratio	Lower	Upper
45	100		
46	42.0	24.5	64.5

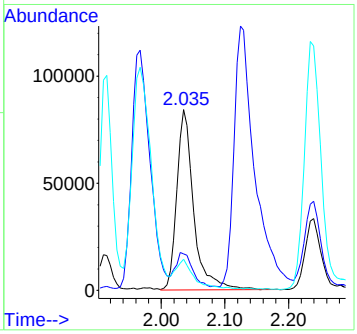


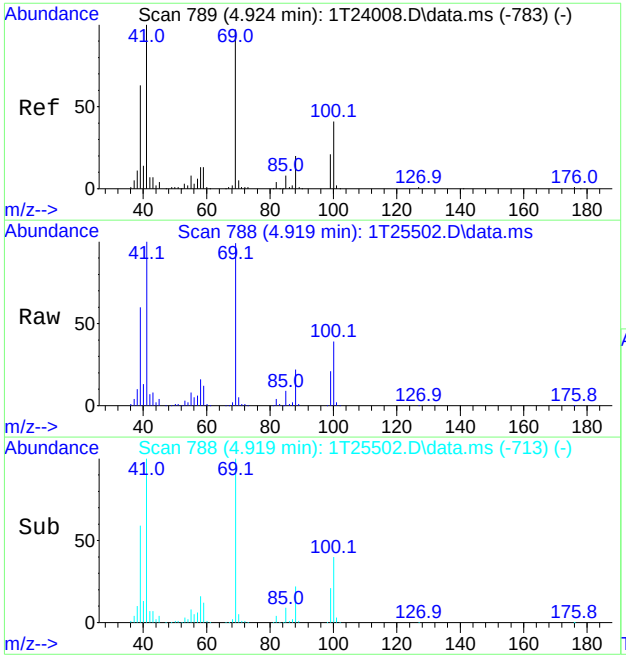


#3
tertiary butyl alcohol
Concen: 256.3282 ug/L
RT: 2.035 min Scan# 238
Delta R.T. -0.005 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 59 Resp: 154410

Ion	Ratio	Lower	Upper
59	100		
41	11.4	0.0	43.1
43	16.7	0.0	48.5

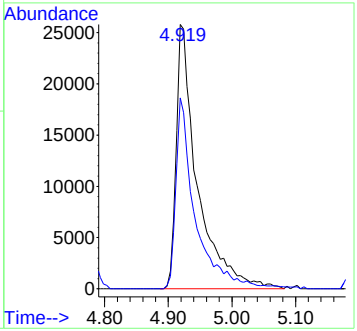


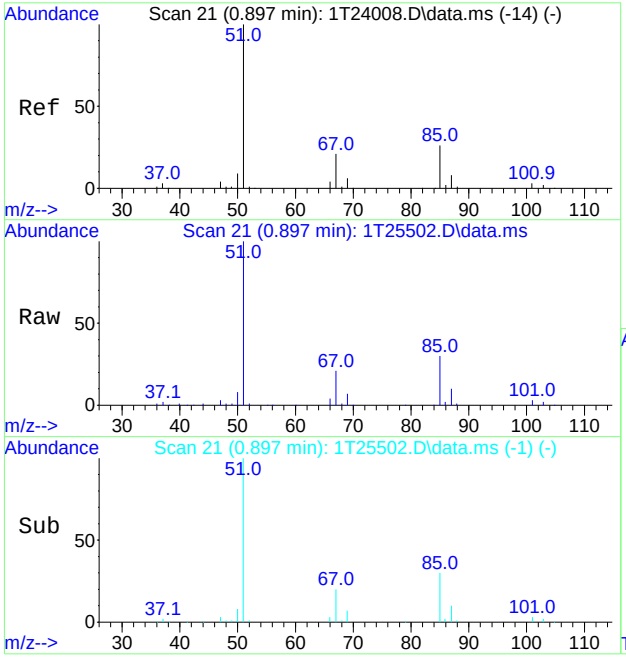


#4
1,4-dioxane
Concen: 1404.4920 ug/L
RT: 4.919 min Scan# 788
Delta R.T. -0.005 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 88 Resp: 59281

Ion	Ratio	Lower	Upper
88	100		
58	72.2	43.0	83.0

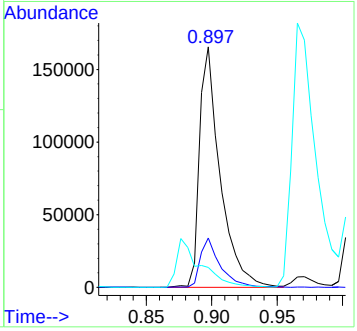


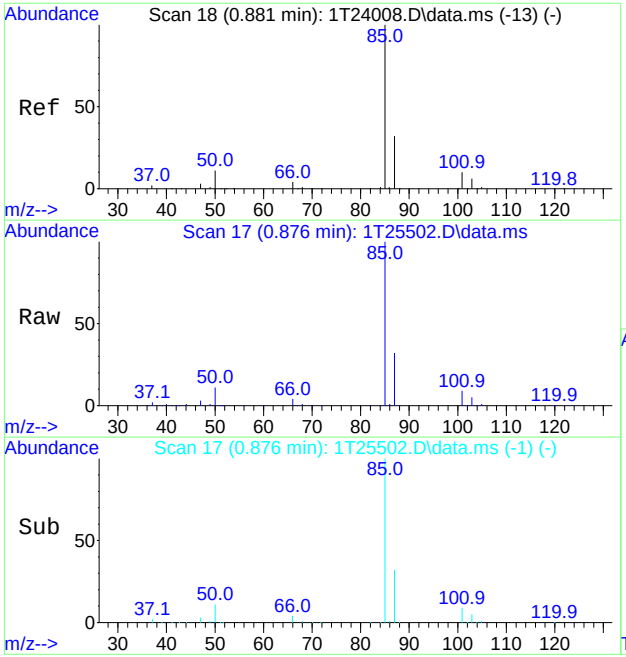


#6
chlorodifluoromethane
Concen: 37.8580 ug/L
RT: 0.897 min Scan# 21
Delta R.T. 0.000 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 51 Resp: 182003

Ion	Ratio	Lower	Upper
51	100		
67	20.6	0.0	51.0
50	8.3	0.0	38.8

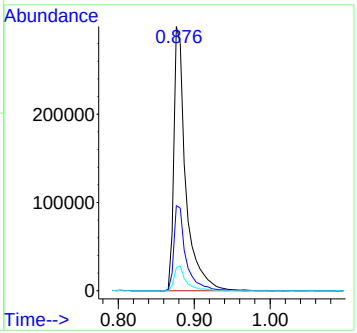


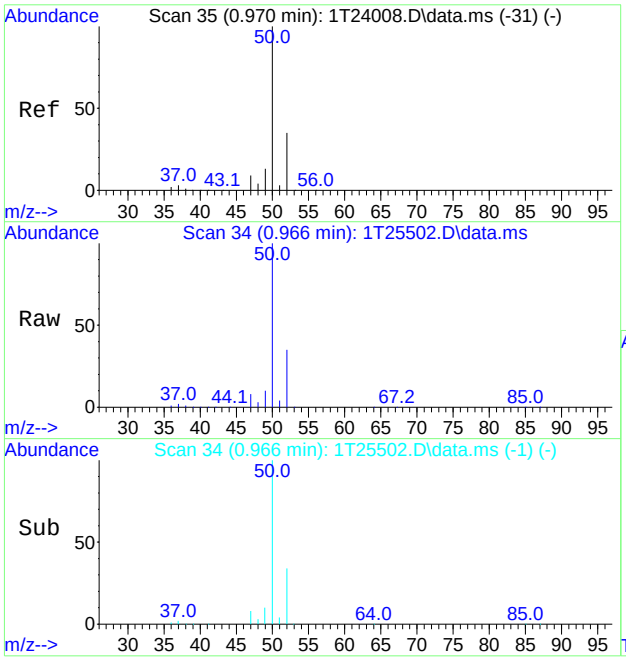


#7
dichlorodifluoromethane
Concen: 56.6112 ug/L
RT: 0.876 min Scan# 17
Delta R.T. -0.005 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 85 Resp: 326410

Ion	Ratio	Lower	Upper
85	100		
87	32.2	1.6	61.6
101	8.7	0.0	39.6

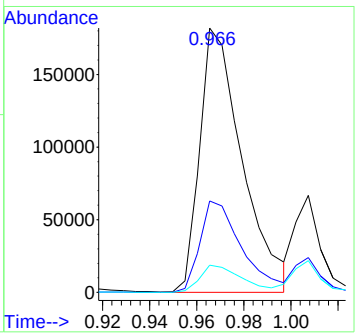


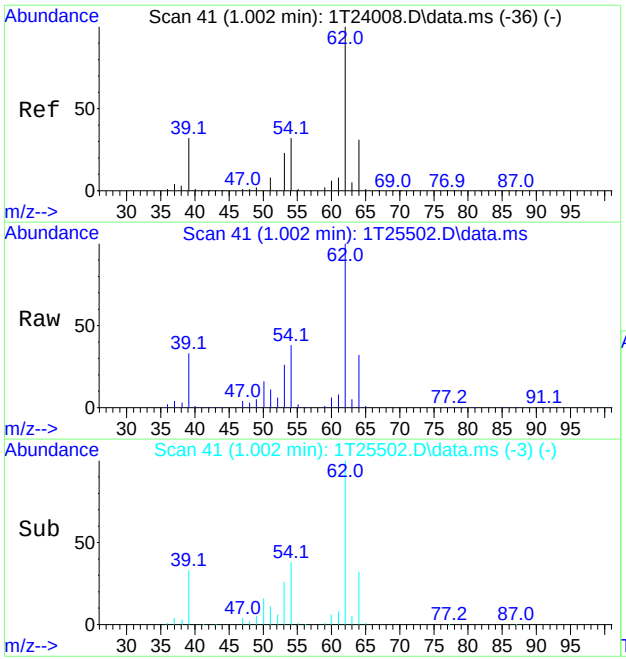


#8
chloromethane
Concen: 67.0130 ug/L
RT: 0.966 min Scan# 34
Delta R.T. -0.004 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 50 Resp: 228404

Ion	Ratio	Lower	Upper
50	100		
52	34.6	5.4	65.4
49	10.3	0.0	42.5

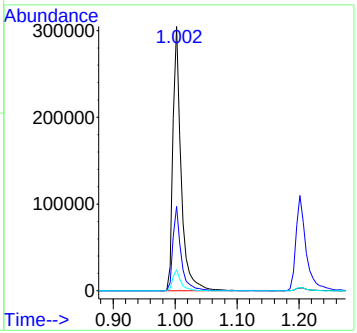


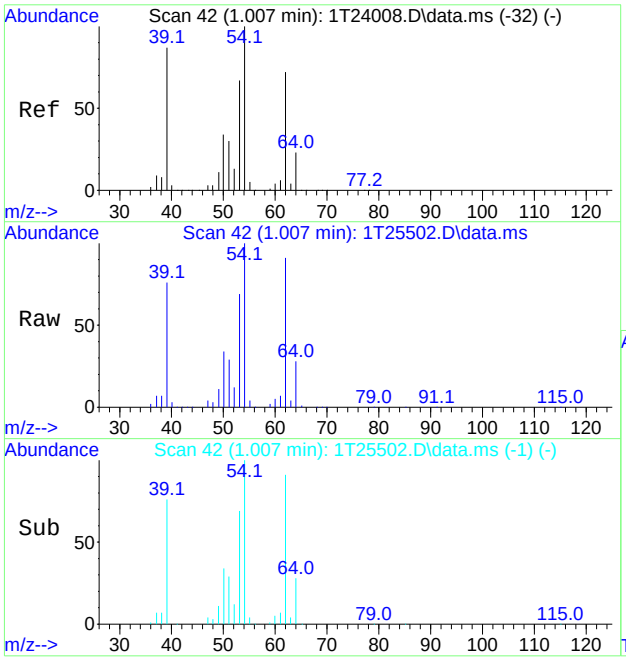


#9
vinyl chloride
Concen: 61.1191 ug/L
RT: 1.002 min Scan# 41
Delta R.T. 0.000 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 62 Resp: 283561

Ion	Ratio	Lower	Upper
62	100		
64	31.9	1.5	61.5
61	7.9	0.0	38.2

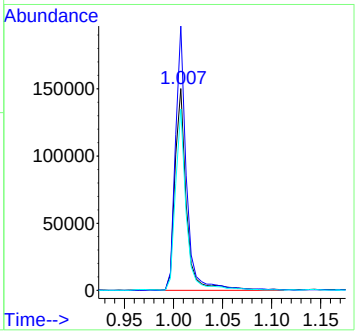


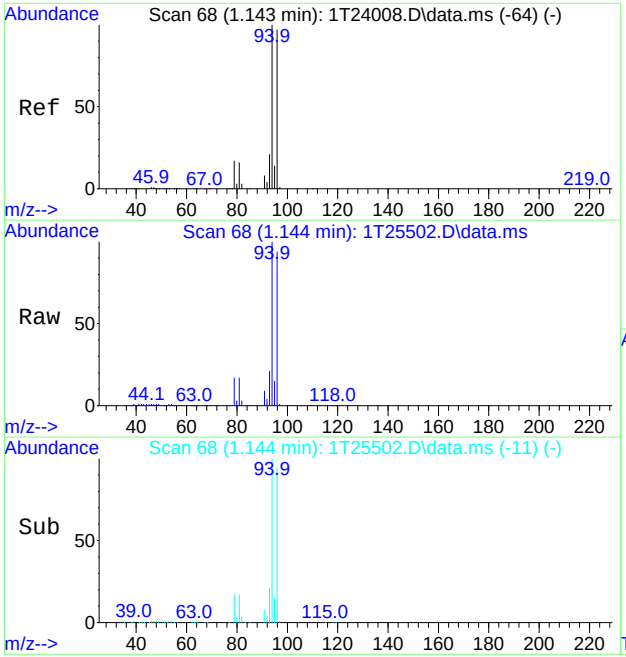


#10
1,3-butadiene
Concen: 38.0496 ug/L
RT: 1.007 min Scan# 42
Delta R.T. 0.000 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 39 Resp: 121435

Ion	Ratio	Lower	Upper
39	100		
54	131.3	84.6	144.6
53	90.0	47.3	107.3

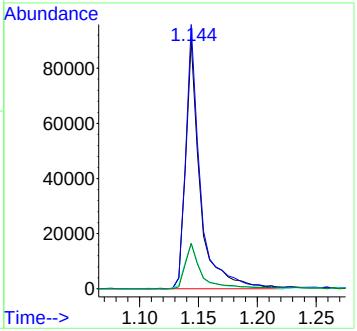


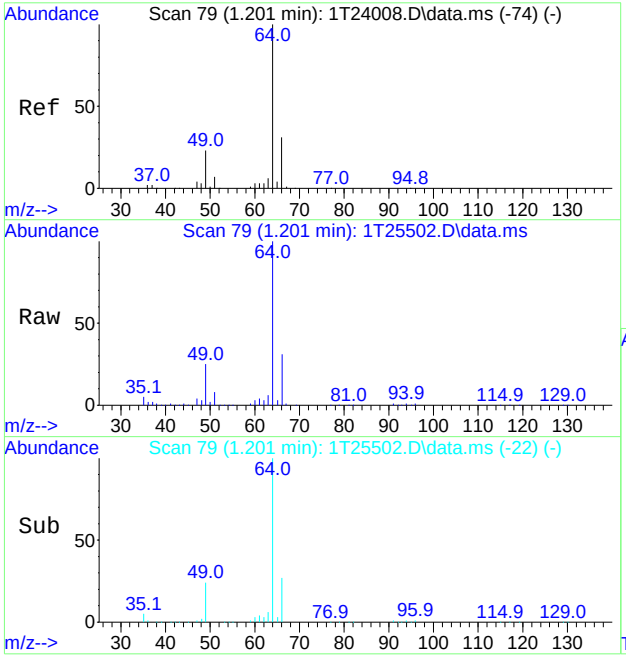


#11
bromomethane
Concen: 28.5329 ug/L
RT: 1.144 min Scan# 68
Delta R.T. 0.001 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 96 Resp: 77987

Ion	Ratio	Lower	Upper
96	100		
94	106.7	73.2	133.2
79	18.3	17.3	17.3#
81	18.0	0.0	36.8

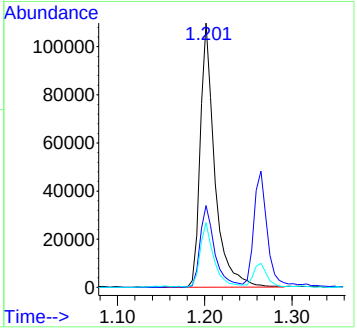


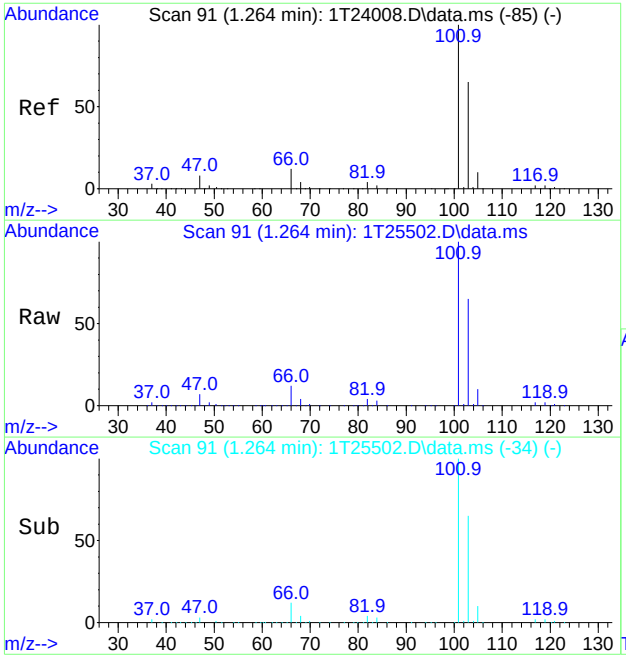


#12
chloroethane
Concen: 30.1735 ug/L
RT: 1.201 min Scan# 79
Delta R.T. 0.000 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 64 Resp: 126537

Ion	Ratio	Lower	Upper
64	100		
66	31.0	0.9	60.9
49	24.2	0.0	52.7

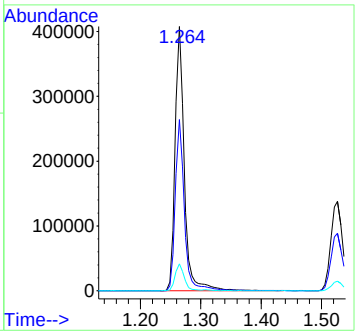


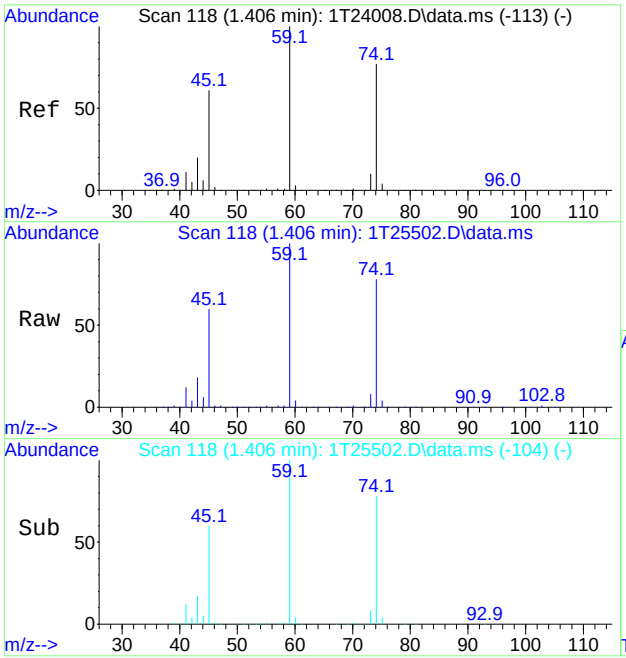


#13
trichlorofluoromethane
Concen: 41.9183 ug/L
RT: 1.264 min Scan# 91
Delta R.T. 0.000 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion:101 Resp: 434627

Ion	Ratio	Lower	Upper
101	100		
103	64.8	34.8	94.8
105	10.2	0.0	40.0

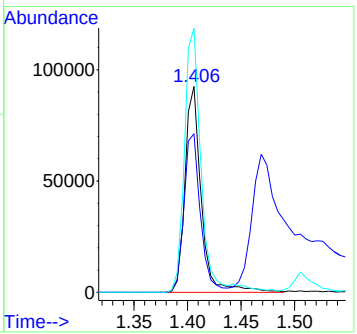


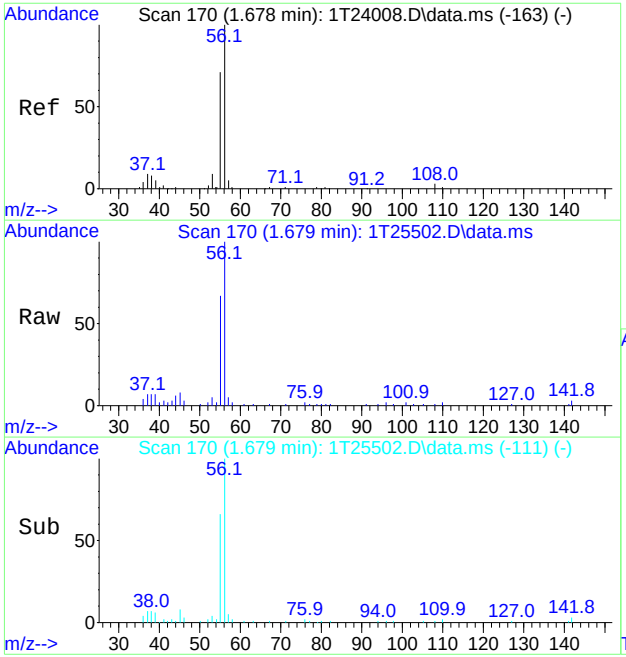


#14
ethyl ether
Concen: 40.2502 ug/L
RT: 1.406 min Scan# 118
Delta R.T. -0.000 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 74 Resp: 98324

Ion	Ratio	Lower	Upper
74	100		
45	77.0	48.9	108.9
59	128.4	99.2	159.2

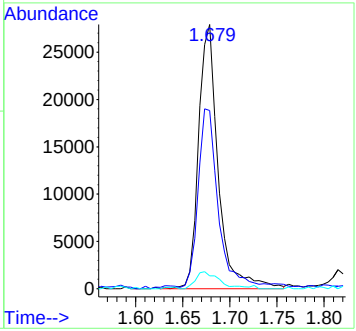


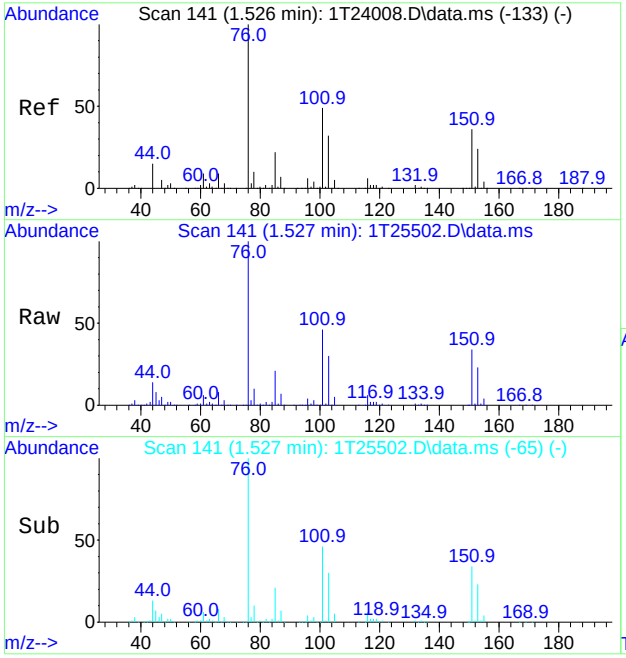


#15
acrolein
Concen: 43.9825 ug/L
RT: 1.679 min Scan# 170
Delta R.T. 0.001 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 56 Resp: 40552

Ion	Ratio	Lower	Upper
56	100		
55	66.8	41.3	101.3
53	4.9	0.0	38.7

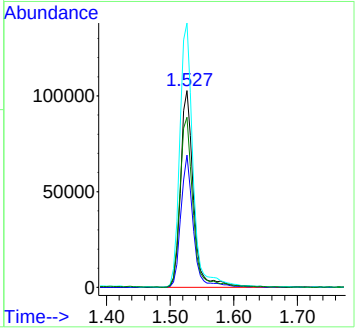


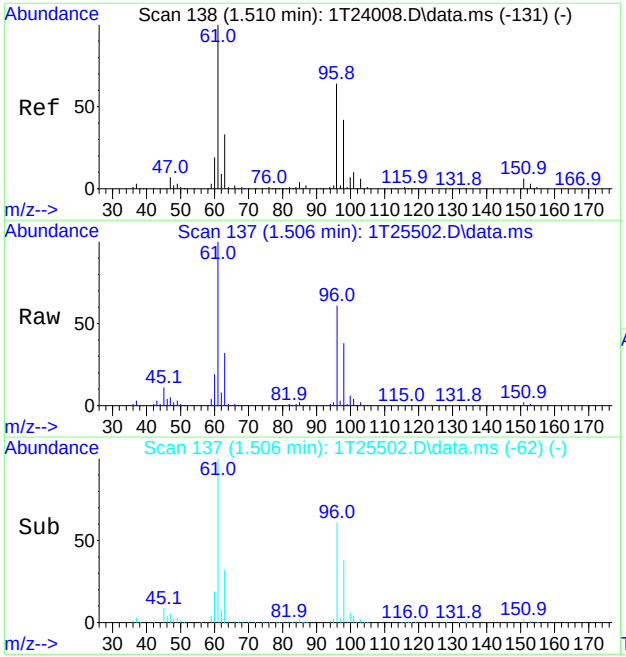


#16
freon 113
Concen: 43.7129 ug/L
RT: 1.527 min Scan# 141
Delta R.T. 0.001 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion:151 Resp: 144737

Ion	Ratio	Lower	Upper
151	100		
153	67.3	46.1	86.1
101	134.2	116.7	156.7
103	86.4	68.3	108.3

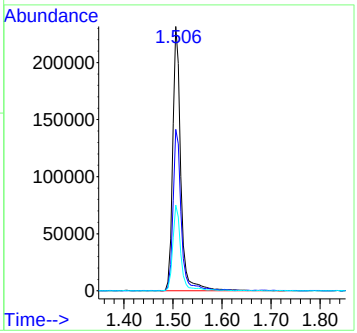


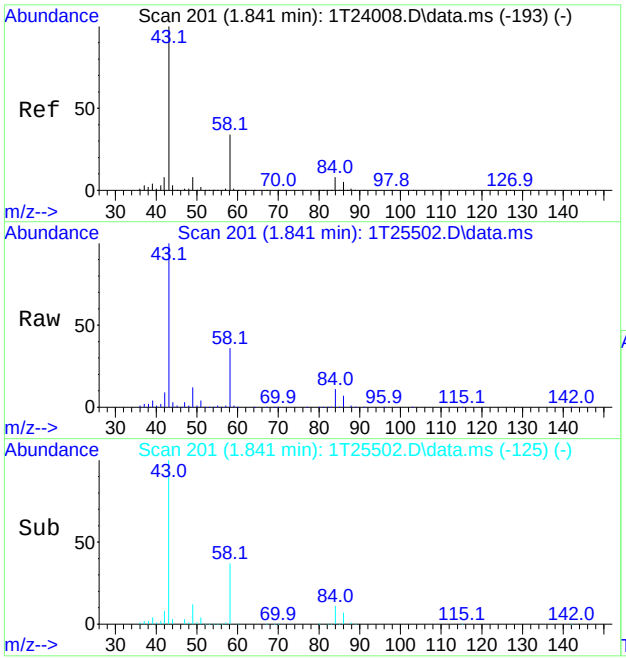


#17
1,1-dichloroethene
Concen: 39.9262 ug/L
RT: 1.506 min Scan# 137
Delta R.T. -0.004 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 61 Resp: 268209

Ion	Ratio	Lower	Upper
61	100		
96	60.9	33.7	93.7
63	32.4	2.8	62.8

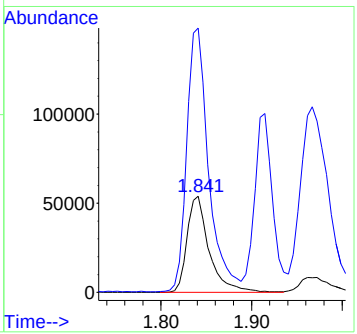


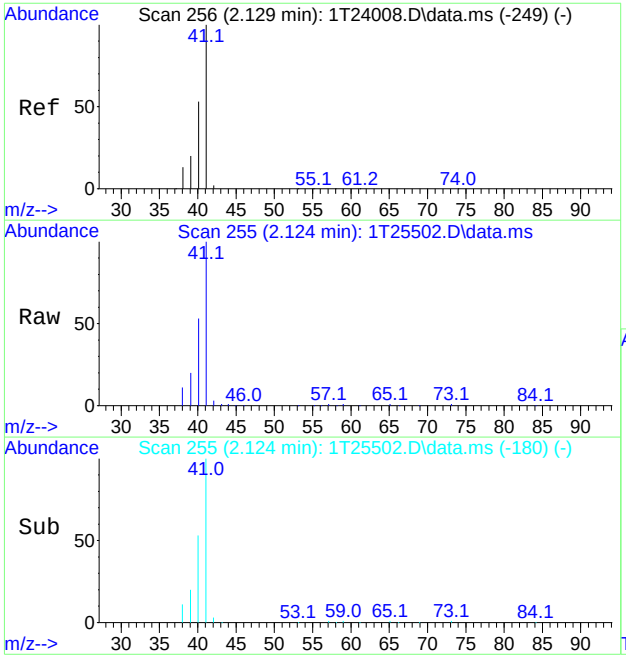


#18
acetone
Concen: 158.4054 ug/L
RT: 1.841 min Scan# 201
Delta R.T. 0.000 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 58 Resp: 91541

Ion	Ratio	Lower	Upper
58	100		
43	273.8	263.8	323.8

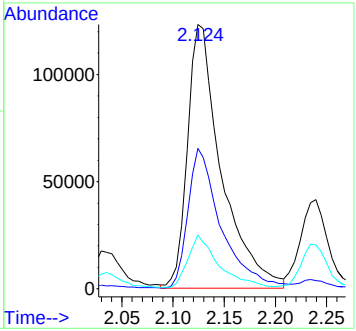


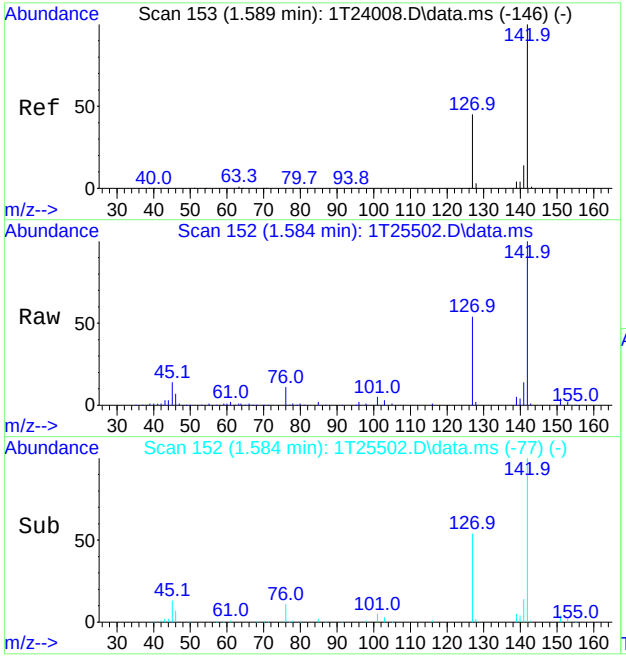


#19
acetonitrile
Concen: 538.0968 ug/L
RT: 2.124 min Scan# 255
Delta R.T. -0.005 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 41 Resp: 284332

Ion	Ratio	Lower	Upper
41	100		
40	53.5	23.2	83.2
39	20.2	0.0	49.8

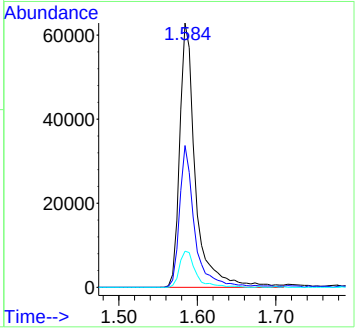


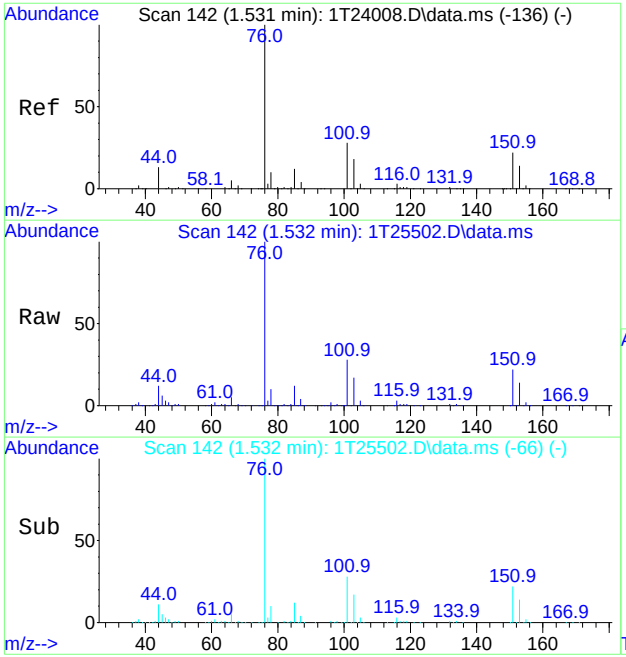


#20
iodomethane
Concen: 37.8594 ug/L
RT: 1.584 min Scan# 152
Delta R.T. -0.005 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion:142 Resp: 88281

Ion	Ratio	Lower	Upper
142	100		
127	53.6	14.7	74.7
141	13.7	0.0	44.3

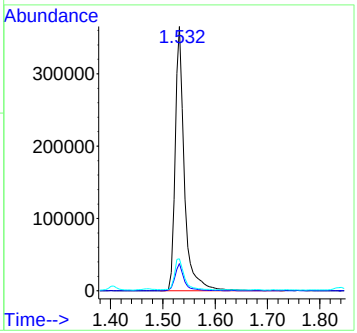


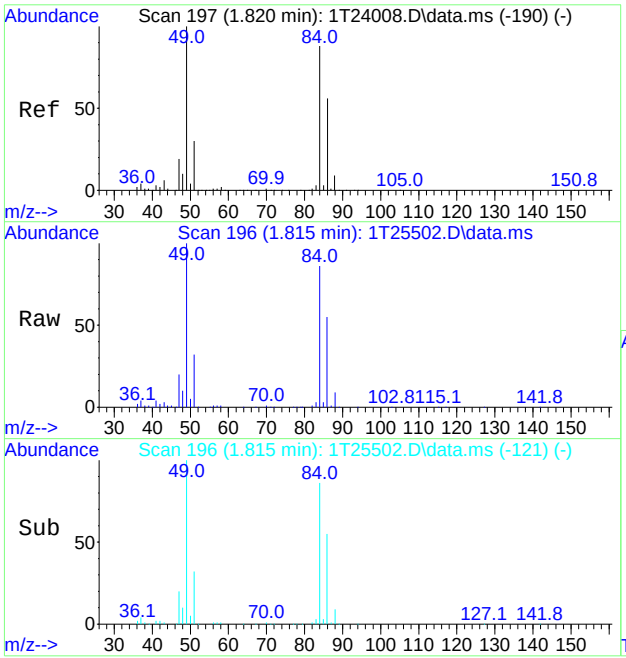


#21
carbon disulfide
Concen: 35.1661 ug/L
RT: 1.532 min Scan# 142
Delta R.T. 0.001 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 76 Resp: 447879

Ion	Ratio	Lower	Upper
76	100		
78	10.3	0.0	40.0
44	11.8	0.0	43.4

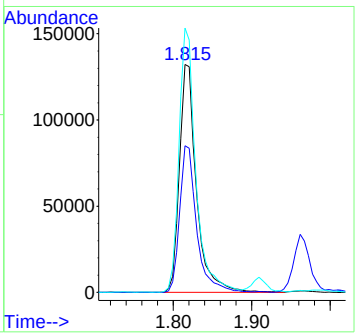


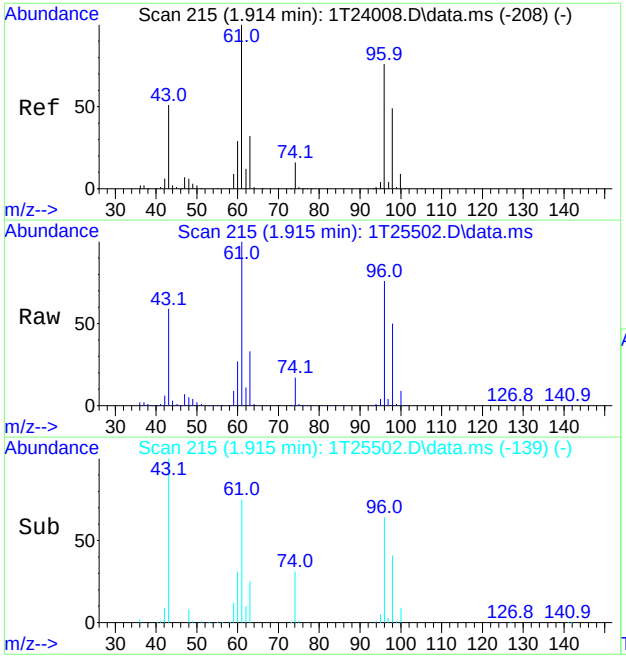


#22
methylene chloride
Concen: 40.9483 ug/L
RT: 1.815 min Scan# 196
Delta R.T. -0.005 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 84 Resp: 199142

Ion	Ratio	Lower	Upper
84	100		
86	64.3	34.2	94.2
49	116.0	84.0	144.0

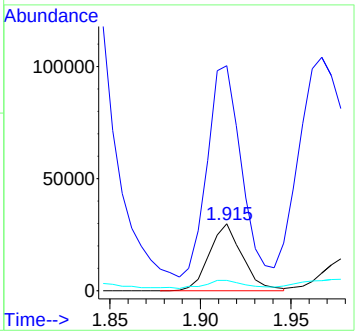


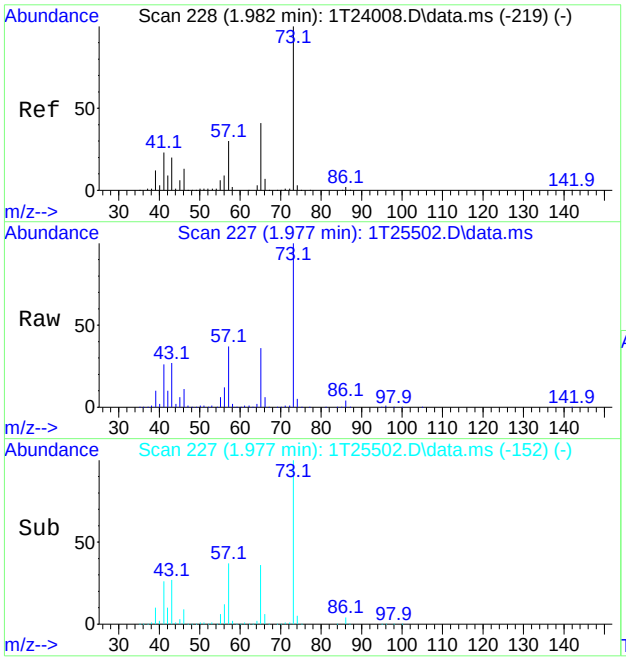


#23
methyl acetate
Concen: 41.0941 ug/L
RT: 1.915 min Scan# 215
Delta R.T. 0.001 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 74 Resp: 37797

Ion	Ratio	Lower	Upper
74	100		
43	303.7	282.8	342.8
44	11.1	0.0	42.2

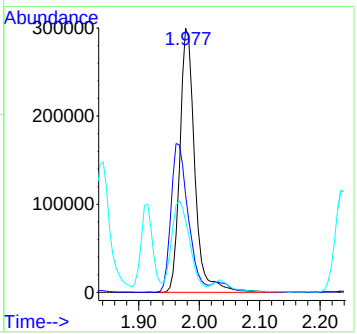


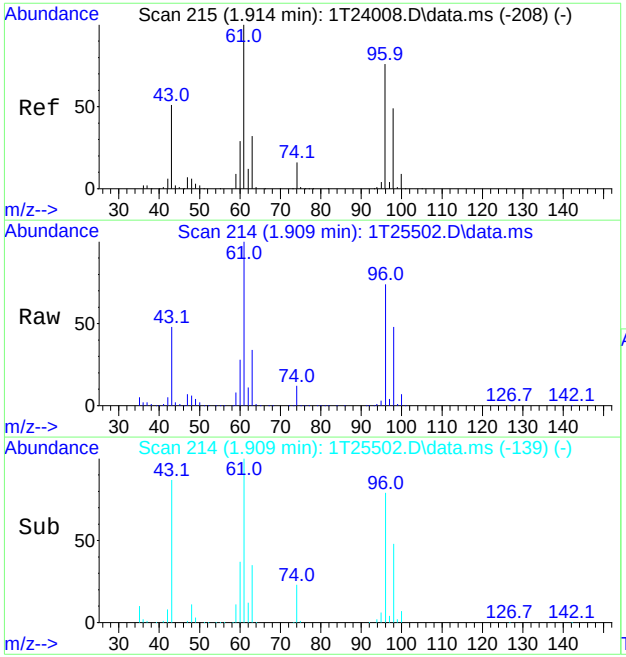


#24
methyl tert butyl ether
Concen: 50.5088 ug/L
RT: 1.977 min Scan# 227
Delta R.T. -0.005 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 73 Resp: 517943

Ion	Ratio	Lower	Upper
73	100		
57	36.9	0.0	60.0
43	26.8	0.0	55.7

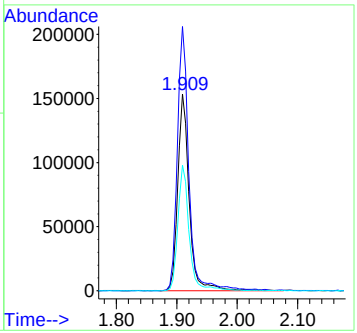


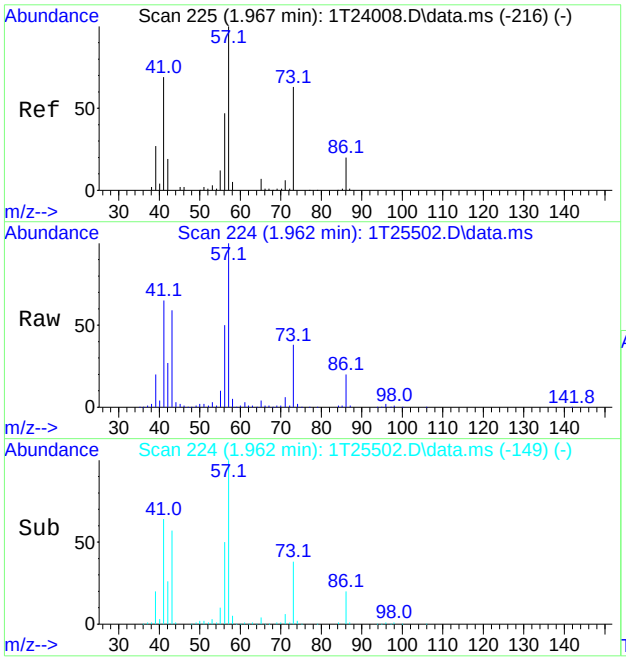


#25
trans-1,2-dichloroethene
Concen: 44.6007 ug/L
RT: 1.909 min Scan# 214
Delta R.T. -0.005 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 96 Resp: 203770

Ion	Ratio	Lower	Upper
96	100		
61	134.5	101.0	161.0
98	63.9	34.5	94.5

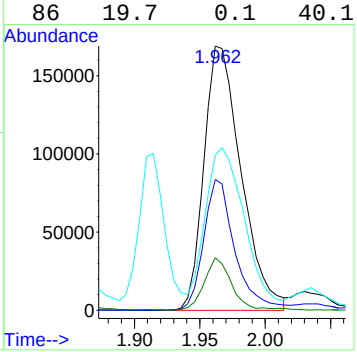


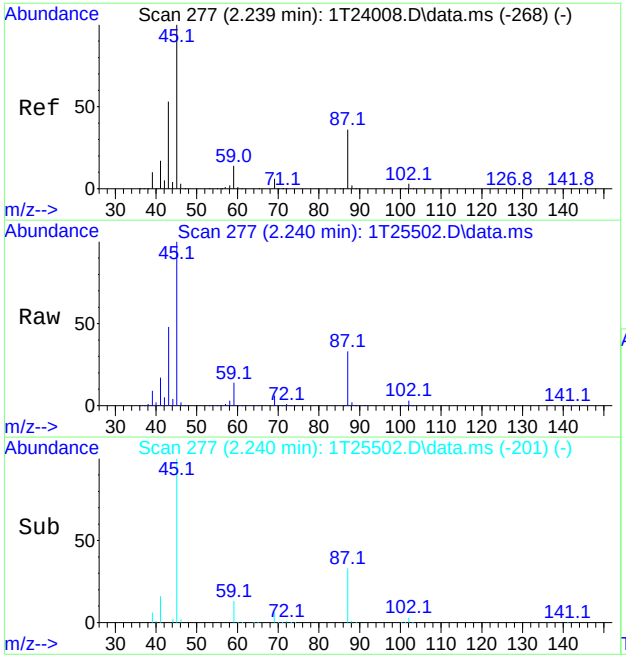


#26
hexane
Concen: 56.8193 ug/L
RT: 1.962 min Scan# 224
Delta R.T. -0.005 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 57 Resp: 334796

Ion	Ratio	Lower	Upper
57	100		
56	49.5	27.2	67.2
43	54.8	37.1	77.1
86	19.7	0.1	40.1

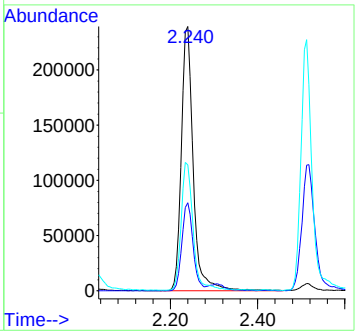


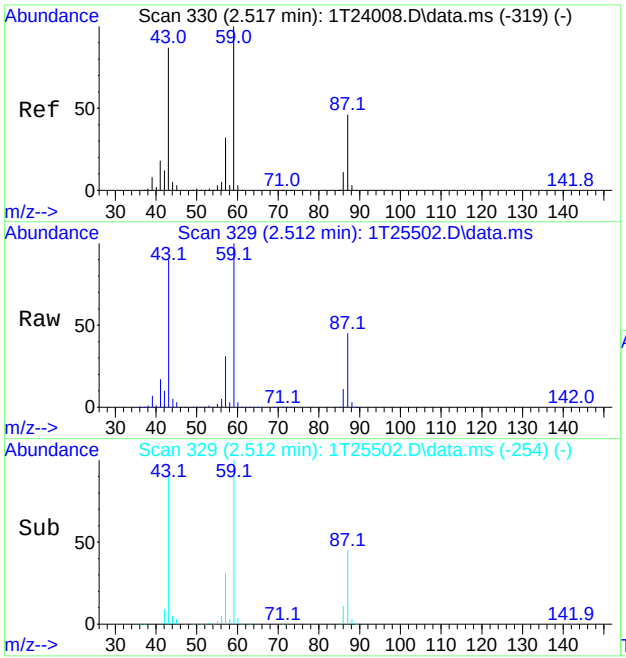


#27
di-isopropyl ether
Concen: 59.4161 ug/L
RT: 2.240 min Scan# 277
Delta R.T. 0.001 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 45 Resp: 454095

Ion	Ratio	Lower	Upper
45	100		
87	33.3	6.3	66.3
43	47.5	23.0	83.0

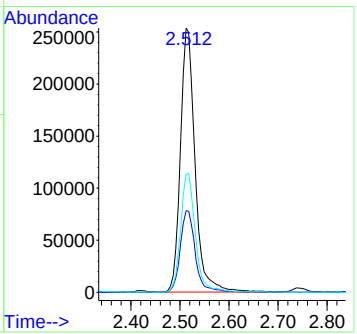


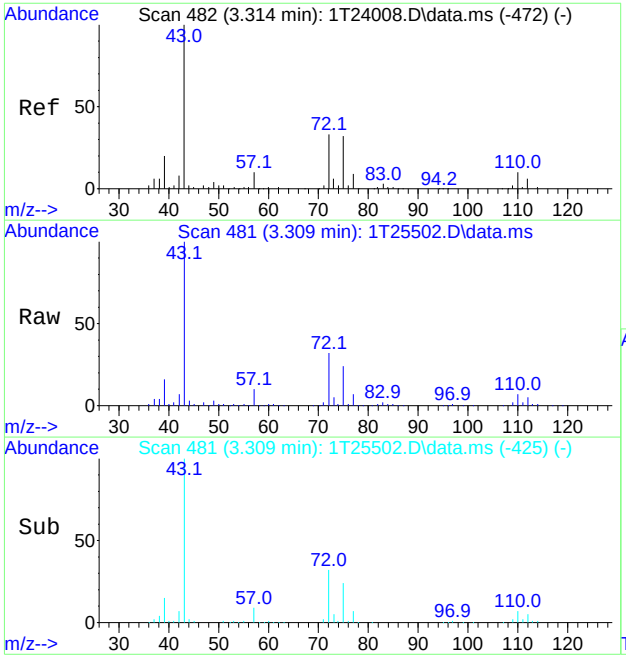


#28
ethyl tert-butyl ether
Concen: 52.4978 ug/L
RT: 2.512 min Scan# 329
Delta R.T. -0.005 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 59 Resp: 527149

Ion	Ratio	Lower	Upper
59	100		
57	30.9	2.1	62.1
87	44.8	15.5	75.5

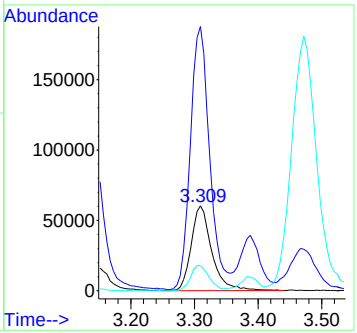


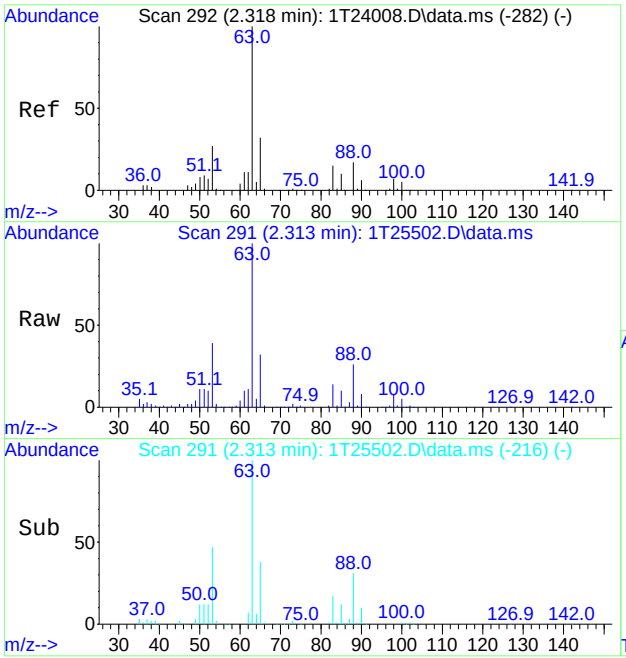


#29
2-butanone
Concen: 201.7658 ug/L
RT: 3.309 min Scan# 481
Delta R.T. -0.005 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 72 Resp: 135939

Ion	Ratio	Lower	Upper
72	100		
43	310.2	273.9	333.9
57	29.6	0.0	58.9

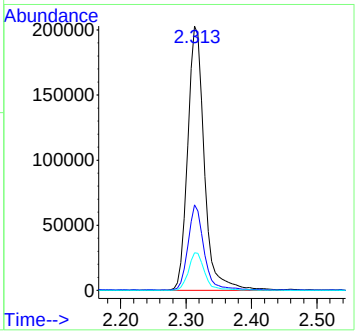


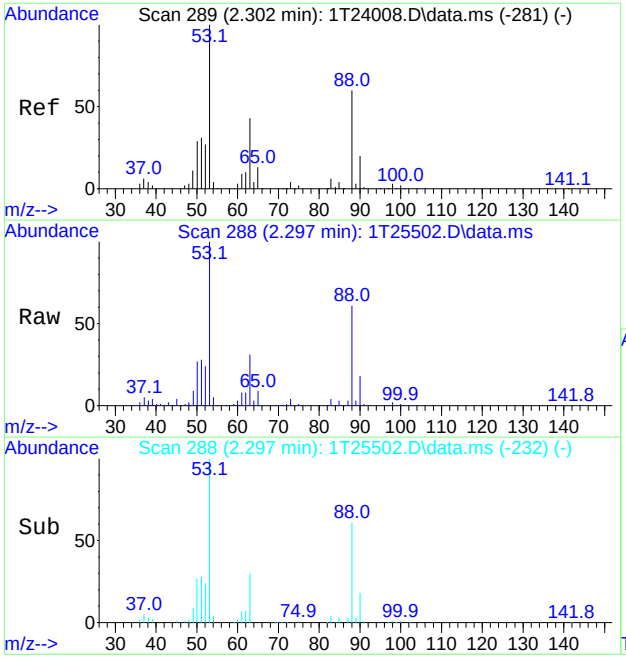


#30
1,1-dichloroethane
Concen: 52.3329 ug/L
RT: 2.313 min Scan# 291
Delta R.T. -0.005 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 63 Resp: 359287

Ion	Ratio	Lower	Upper
63	100		
65	32.2	2.0	62.0
83	14.2	0.0	45.2

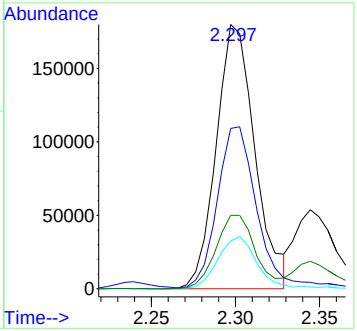


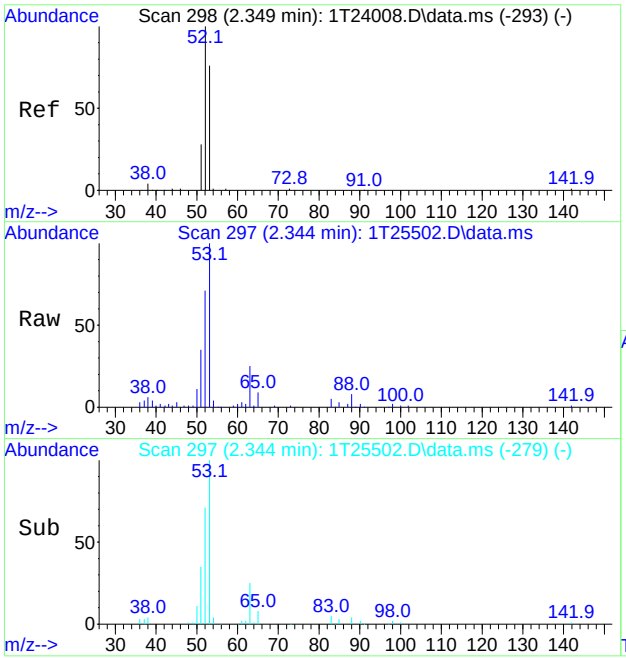


#31
chloroprene
Concen: 50.3245 ug/L
RT: 2.297 min Scan# 288
Delta R.T. -0.005 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 53 Resp: 289055

Ion	Ratio	Lower	Upper
53	100		
88	59.8	29.5	89.5
90	18.1	0.0	49.7
51	27.8	0.7	60.7

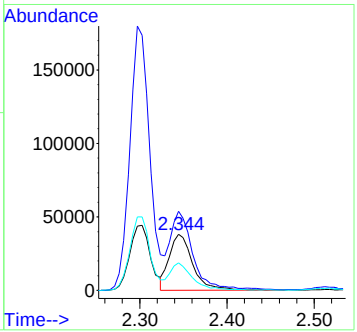


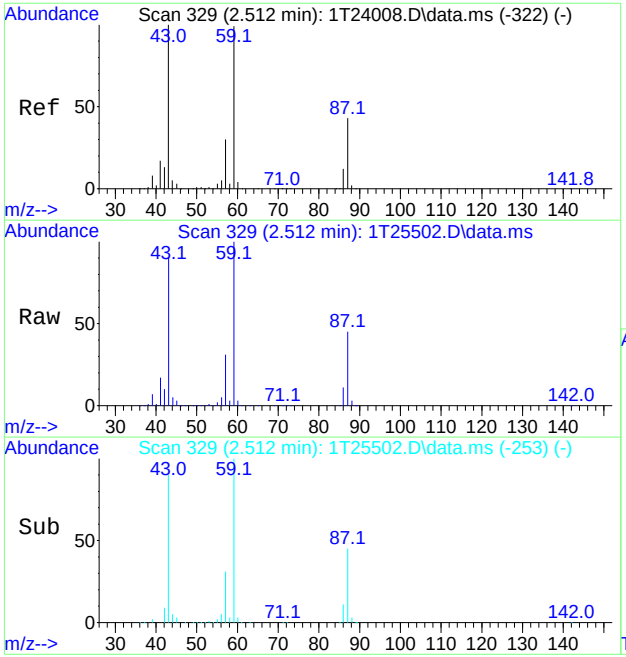


#32
acrylonitrile
Concen: 52.1812 ug/L
RT: 2.344 min Scan# 297
Delta R.T. -0.005 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 52 Resp: 71381

Ion	Ratio	Lower	Upper
52	100		
53	140.8	96.8	156.8
51	49.1	14.4	74.4

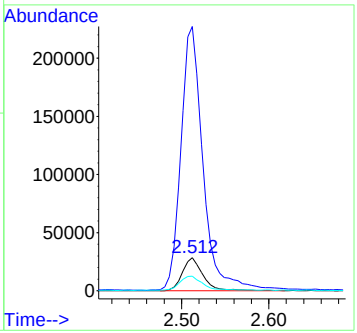


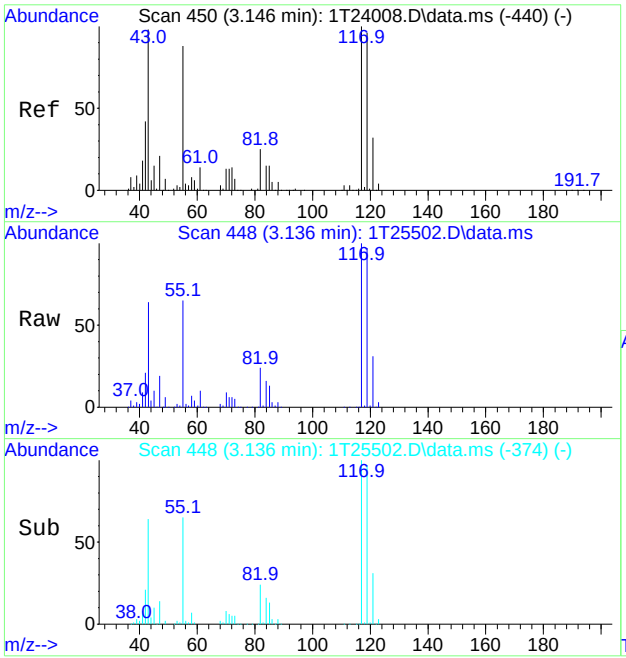


#33
vinyl acetate
Concen: 44.7991 ug/L
RT: 2.512 min Scan# 329
Delta R.T. 0.000 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 86 Resp: 46819

Ion	Ratio	Lower	Upper
86	100		
43	791.8	805.6	865.6#
44	42.4	9.2	69.2

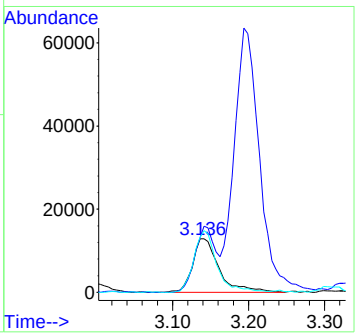


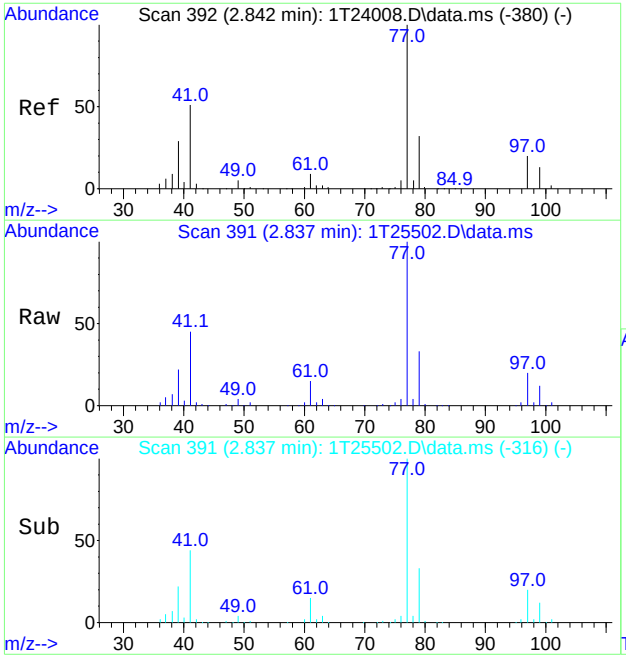


#34
ethyl acetate
Concen: 50.2137 ug/L
RT: 3.136 min Scan# 448
Delta R.T. -0.010 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 70 Resp: 31303

Ion	Ratio	Lower	Upper
70	100		
61	102.5	81.1	141.1
45	103.2	86.0	146.0

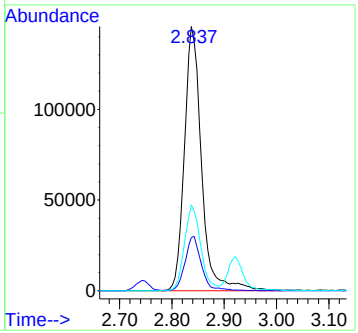


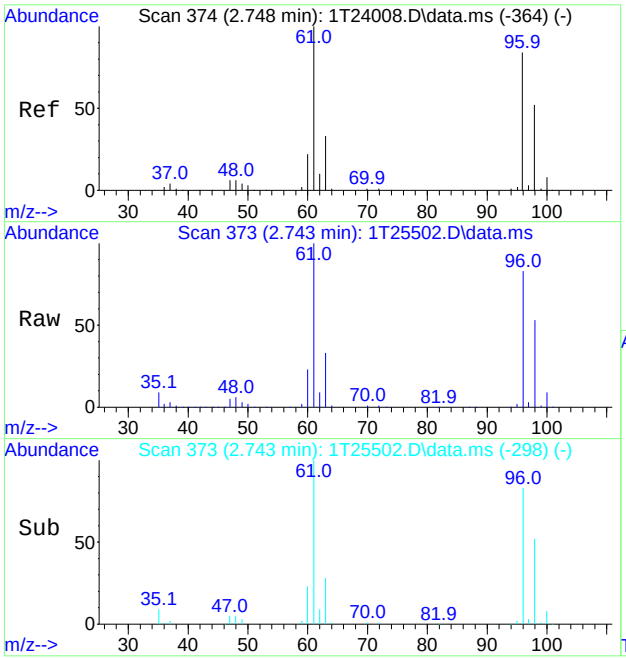


#35
2,2-dichloropropane
Concen: 59.2081 ug/L
RT: 2.837 min Scan# 391
Delta R.T. -0.005 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 77 Resp: 333387

Ion	Ratio	Lower	Upper
77	100		
97	20.2	0.0	50.0
79	32.4	2.2	62.2

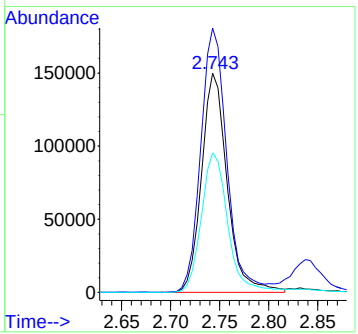


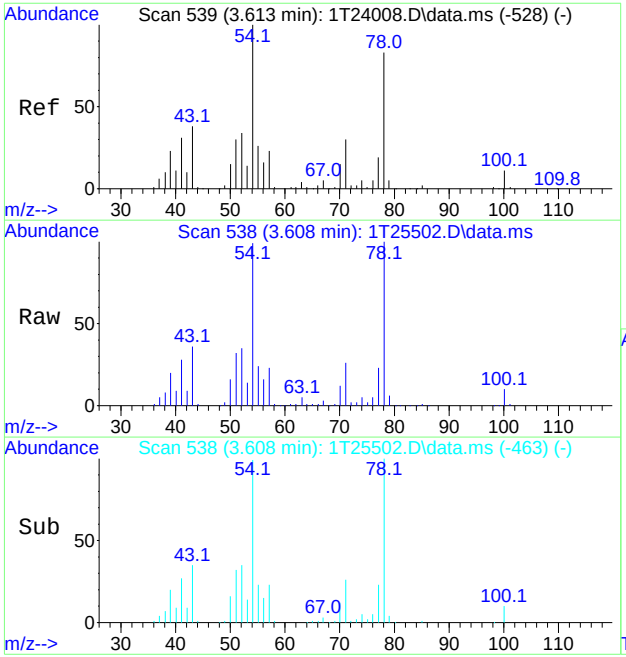


#36
cis-1,2-dichloroethene
Concen: 67.9834 ug/L
RT: 2.743 min Scan# 373
Delta R.T. -0.005 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 96 Resp: 273537

Ion	Ratio	Lower	Upper
96	100		
61	120.7	89.4	149.4
98	63.7	32.0	92.0

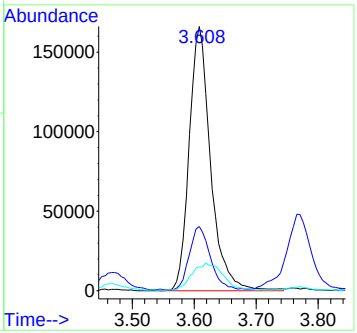


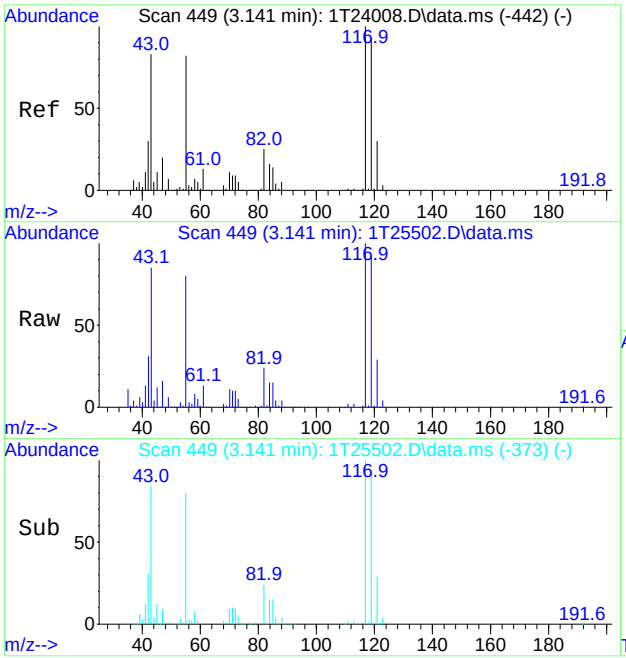


#37
propionitrile
Concen: 551.9567 ug/L
RT: 3.608 min Scan# 538
Delta R.T. -0.005 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 54 Resp: 399741

Ion	Ratio	Lower	Upper
54	100		
55	23.7	0.0	55.9
40	8.9	0.0	41.2

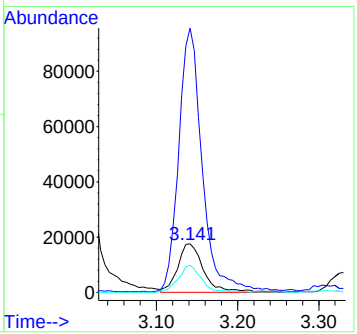


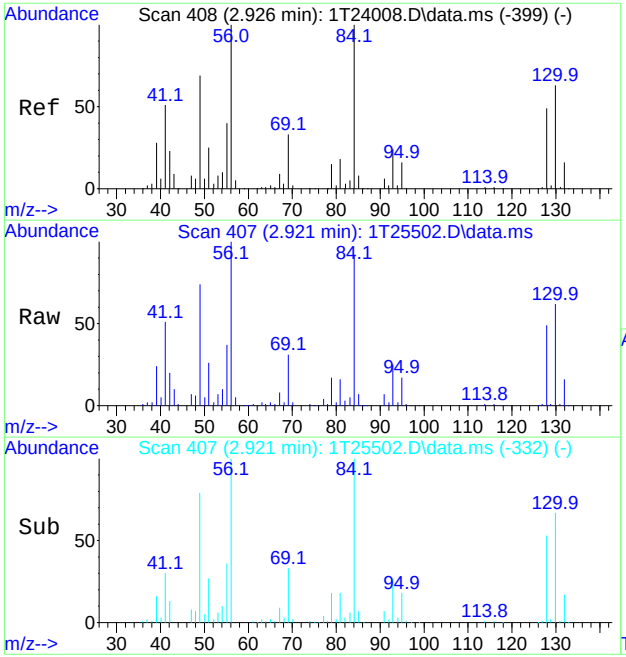


#38
methyl acrylate
Concen: 46.9573 ug/L
RT: 3.141 min Scan# 449
Delta R.T. 0.000 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 85 Resp: 39566

Ion	Ratio	Lower	Upper
85	100		
55	539.5	512.8	552.8
58	56.1	28.3	68.3

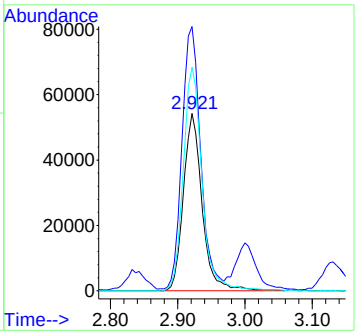


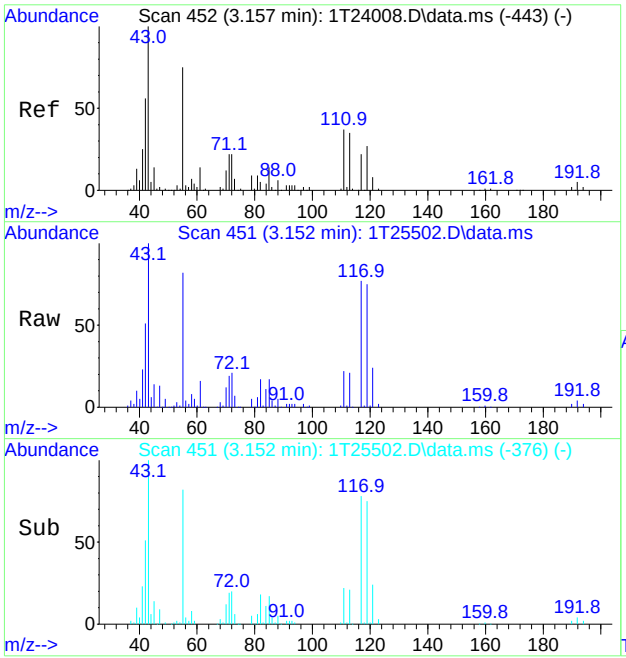


#39
bromochloromethane
Concen: 51.3994 ug/L
RT: 2.921 min Scan# 407
Delta R.T. -0.005 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion:128 Resp: 105004

Ion	Ratio	Lower	Upper
128	100		
49	147.7	110.2	170.2
130	126.0	98.0	158.0

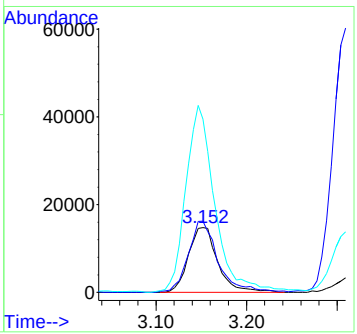


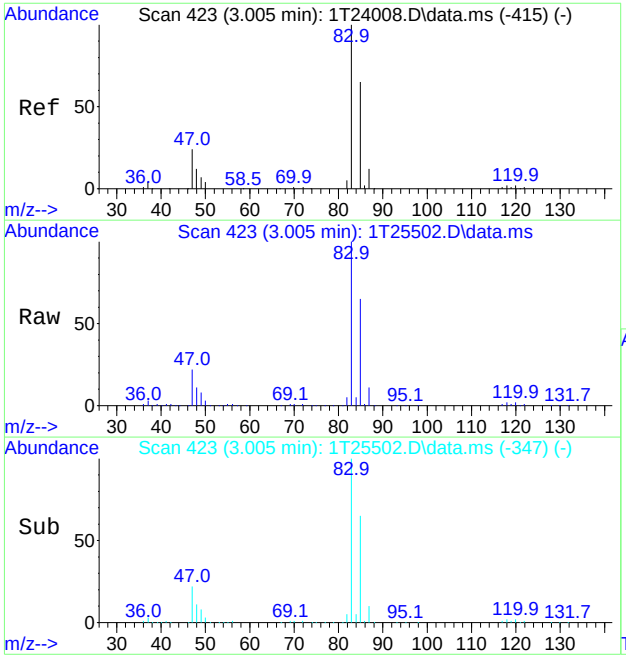


#40
tetrahydrofuran
Concen: 50.6361 ug/L
RT: 3.152 min Scan# 451
Delta R.T. -0.005 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 71 Resp: 33312

Ion	Ratio	Lower	Upper
71	100		
72	108.2	71.2	131.2
42	265.3	227.1	287.1

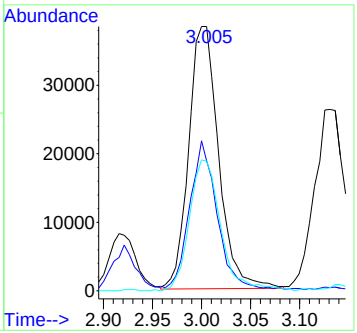


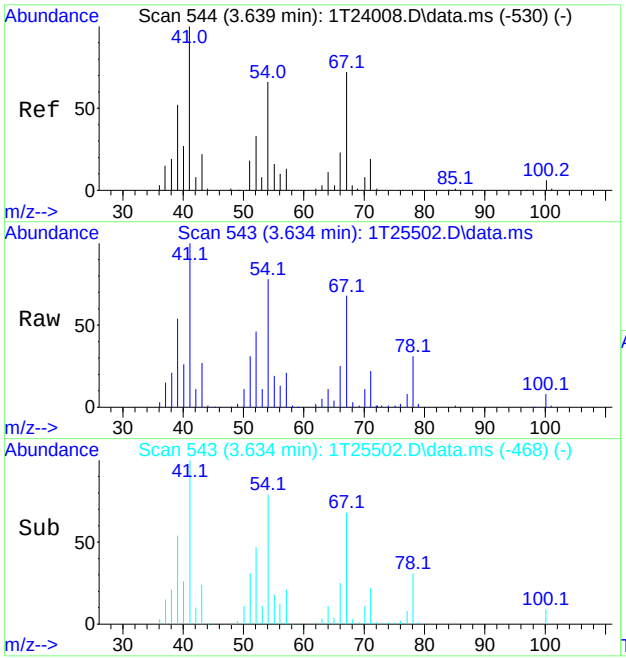


#41
chloroform
Concen: 43.2585 ug/L
RT: 3.005 min Scan# 423
Delta R.T. 0.000 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 47 Resp: 81575

Ion	Ratio	Lower	Upper
47	100		
48	49.2	19.2	79.2
87	49.6	18.5	78.5

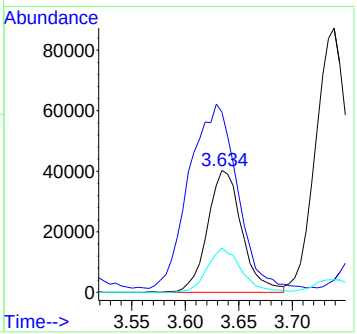


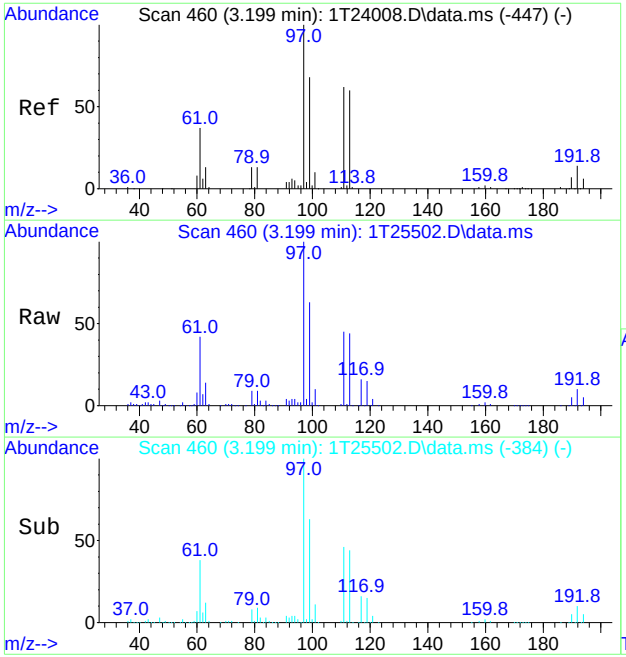


#43
methacrylonitrile
Concen: 46.4205 ug/L
RT: 3.634 min Scan# 543
Delta R.T. -0.005 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 67 Resp: 90486

Ion	Ratio	Lower	Upper
67	100		
41	140.8	109.1	169.1
66	36.3	2.0	62.0

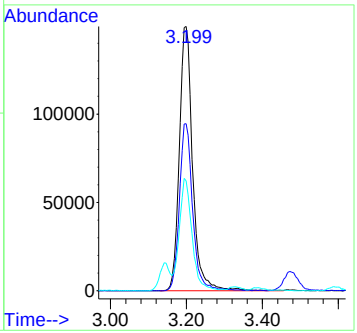


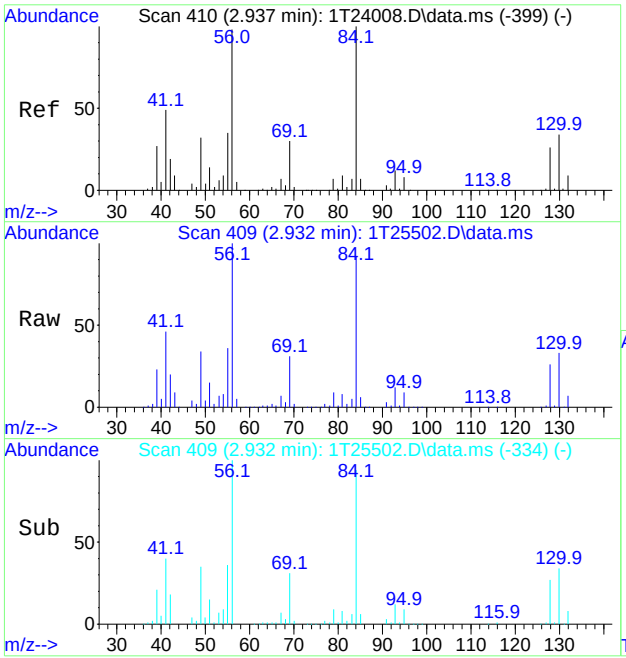


#44
1,1,1-trichloroethane
Concen: 57.7490 ug/L
RT: 3.199 min Scan# 460
Delta R.T. 0.000 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 97 Resp: 366077

Ion	Ratio	Lower	Upper
97	100		
99	63.2	38.0	98.0
61	41.3	11.6	71.6

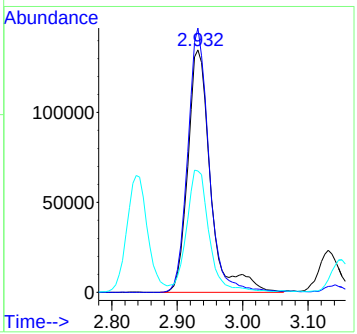


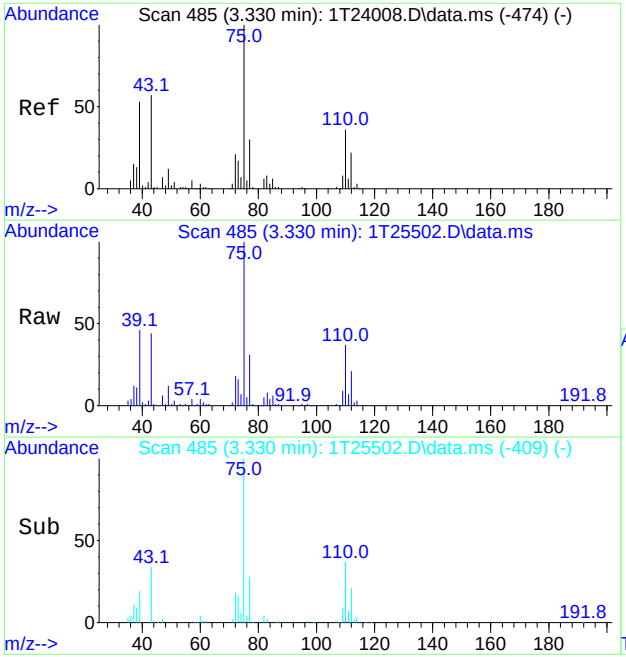


#45
cyclohexane
Concen: 57.3814 ug/L
RT: 2.932 min Scan# 409
Delta R.T. -0.005 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 84 Resp: 327099

Ion	Ratio	Lower	Upper
84	100		
56	109.0	78.4	118.4
41	49.4	30.2	70.2

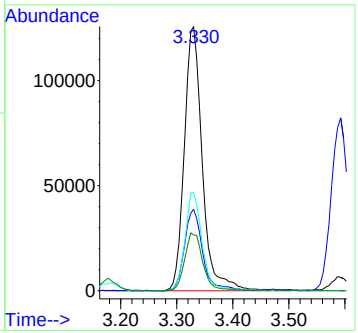


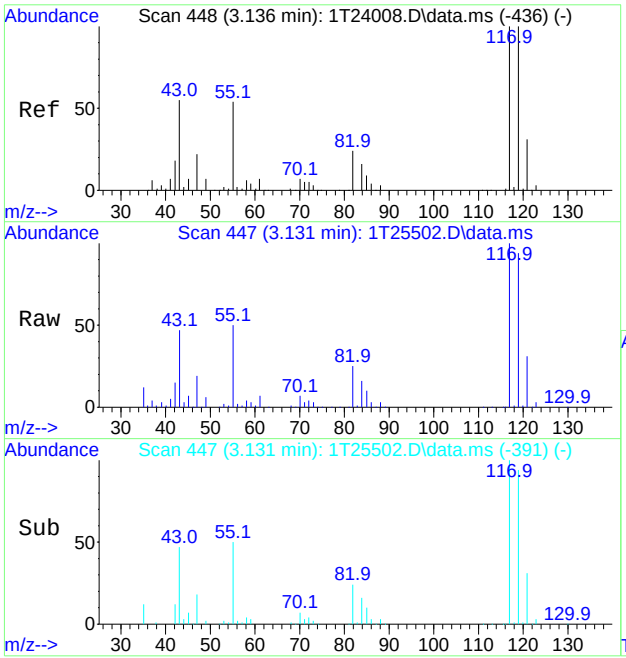


#46
1,1-dichloropropene
Concen: 52.6106 ug/L
RT: 3.330 min Scan# 485
Delta R.T. 0.000 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 75 Resp: 281549

Ion	Ratio	Lower	Upper
75	100		
77	30.9	9.7	49.7
110	37.2	15.7	55.7
112	21.1	2.4	42.4

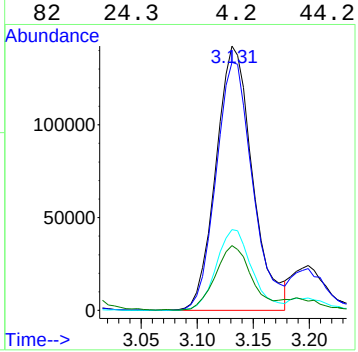


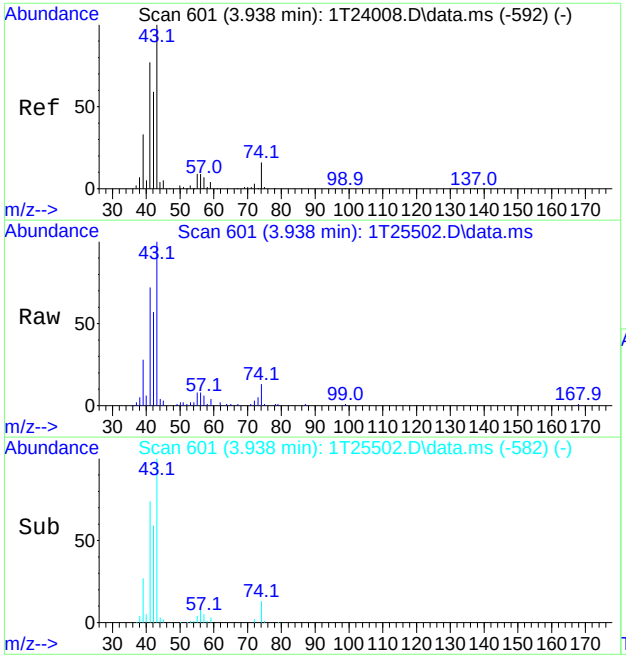


#47
carbon tetrachloride
Concen: 57.8851 ug/L
RT: 3.131 min Scan# 447
Delta R.T. -0.005 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion:117 Resp: 325125

Ion	Ratio	Lower	Upper
117	100		
119	93.8	80.5	120.5
121	30.5	11.1	51.1
82	24.3	4.2	44.2

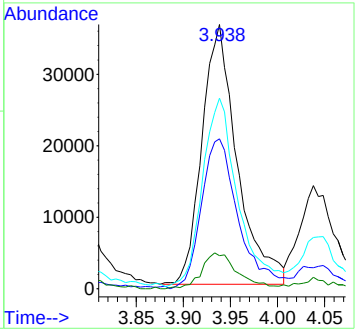


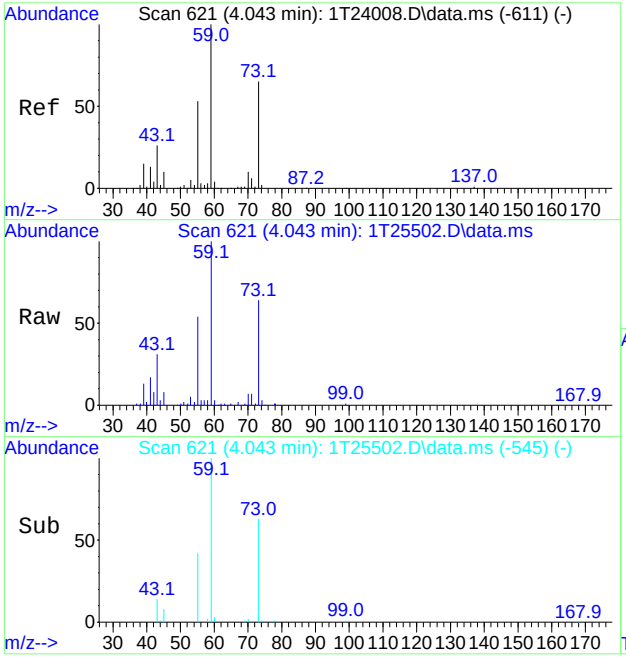


#48
isobutyl alcohol
Concen: 624.0563 ug/L
RT: 3.938 min Scan# 601
Delta R.T. 0.000 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 43 Resp: 94526

Ion	Ratio	Lower	Upper
43	100		
42	57.0	39.1	79.1
41	71.5	57.3	97.3
74	12.7	0.0	35.9

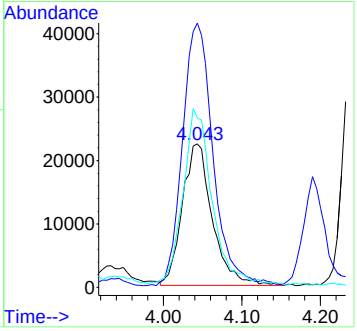


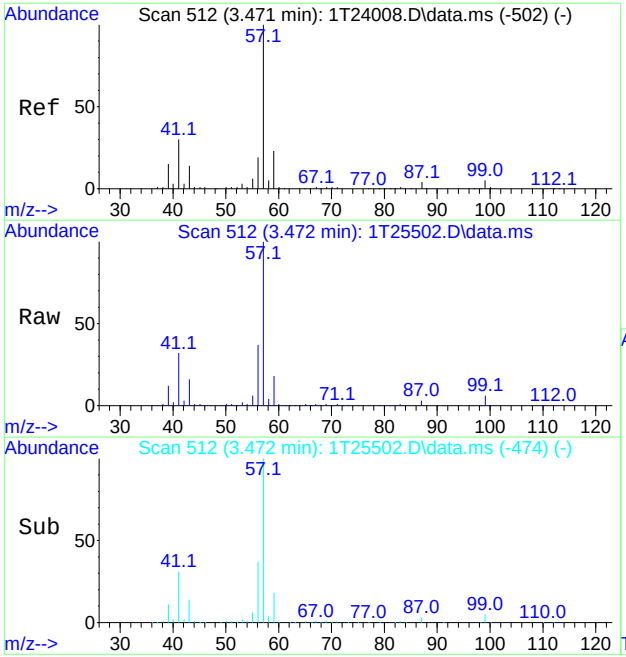


#49
tert-amyl alcohol
Concen: 288.6018 ug/L
RT: 4.043 min Scan# 621
Delta R.T. 0.000 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 55 Resp: 59211

Ion	Ratio	Lower	Upper
55	100		
59	184.7	167.3	207.3
73	117.6	102.0	142.0

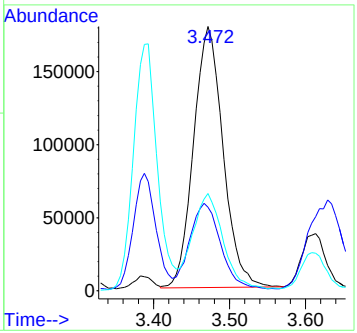


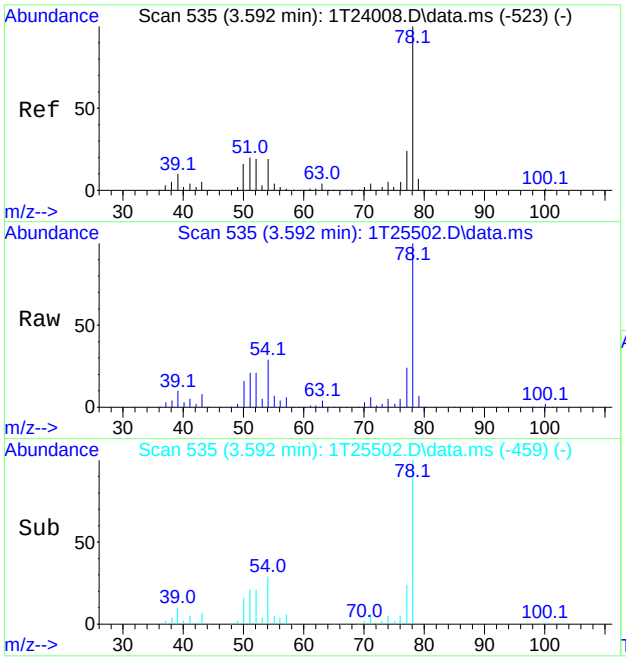


#52
iso-octane
Concen: 59.6160 ug/L
RT: 3.472 min Scan# 512
Delta R.T. 0.001 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 57 Resp: 482445

Ion	Ratio	Lower	Upper
57	100		
41	30.8	17.8	57.8
56	36.3	15.2	55.2

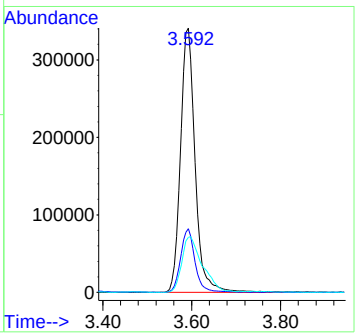


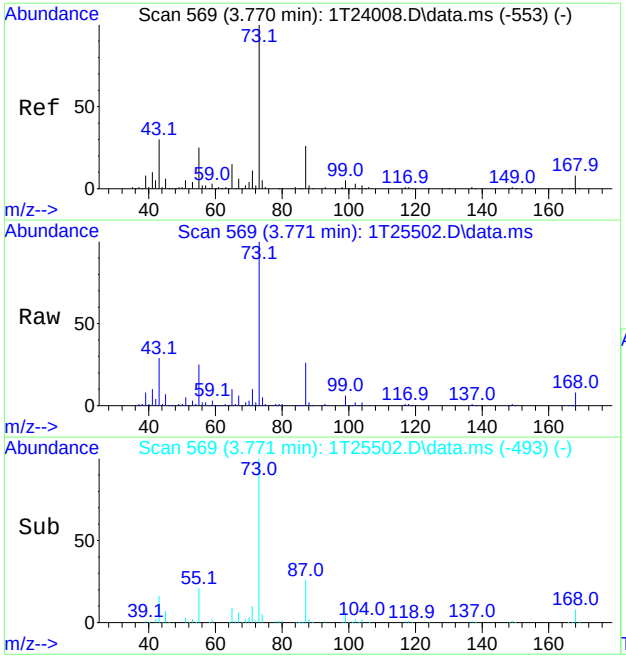


#53
benzene
Concen: 55.6385 ug/L
RT: 3.592 min Scan# 535
Delta R.T. 0.000 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 78 Resp: 780571

Ion	Ratio	Lower	Upper
78	100		
77	24.1	0.0	54.3
52	20.8	0.0	48.8

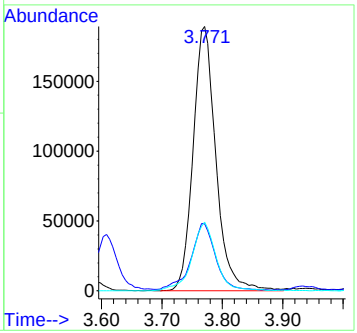


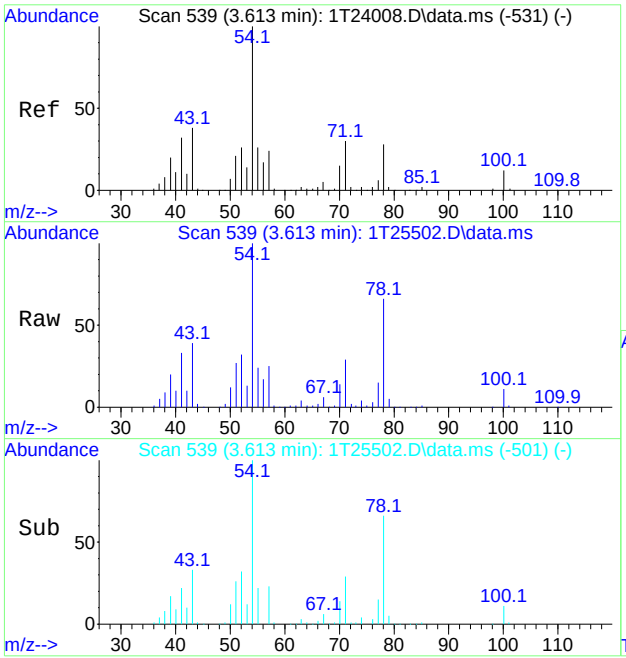


#54
tert-amyl methyl ether
Concen: 53.5492 ug/L
RT: 3.771 min Scan# 569
Delta R.T. 0.001 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 73 Resp: 497770

Ion	Ratio	Lower	Upper
73	100		
55	24.9	5.6	45.6
87	25.7	6.1	46.1

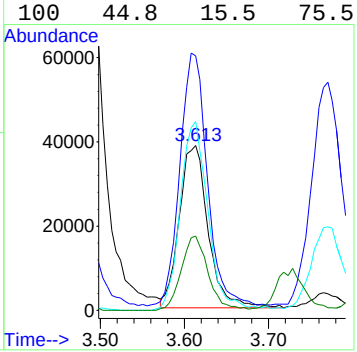


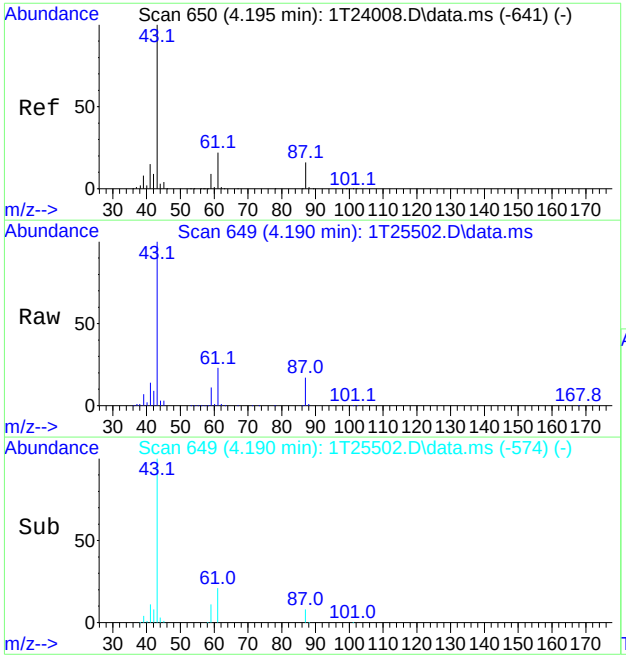


#55
heptane
Concen: 58.5299 ug/L
RT: 3.613 min Scan# 539
Delta R.T. 0.000 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 57 Resp: 92190

Ion	Ratio	Lower	Upper
57	100		
43	153.1	120.9	180.9
71	115.4	89.7	149.7
100	44.8	15.5	75.5

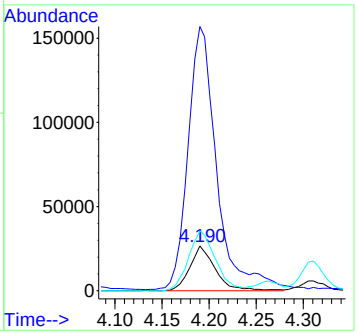


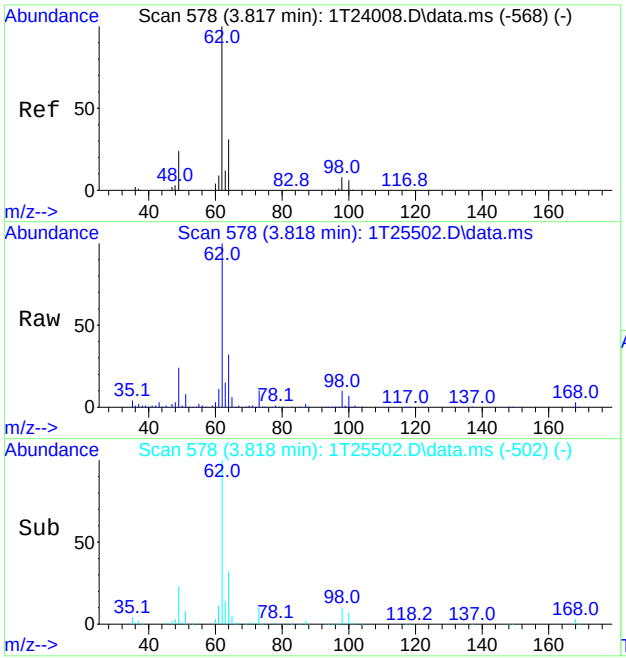


#56
isopropyl acetate
Concen: 44.9774 ug/L
RT: 4.190 min Scan# 649
Delta R.T. -0.005 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 87 Resp: 50263

Ion	Ratio	Lower	Upper
87	100		
43	584.6	606.7	666.7#
61	134.2	109.0	169.0

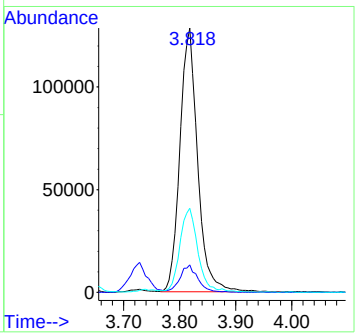


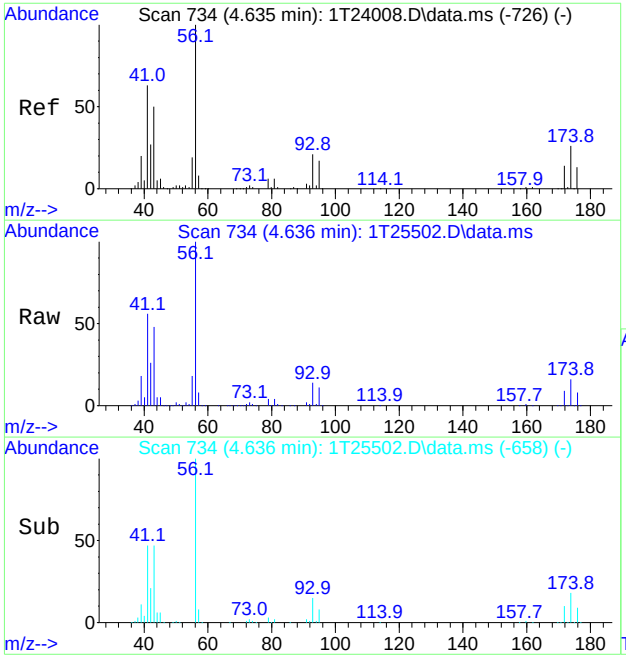


#57
1,2-dichloroethane
Concen: 46.1704 ug/L
RT: 3.818 min Scan# 578
Delta R.T. 0.001 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 62 Resp: 281762

Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	39.3
64	31.6	1.8	61.8

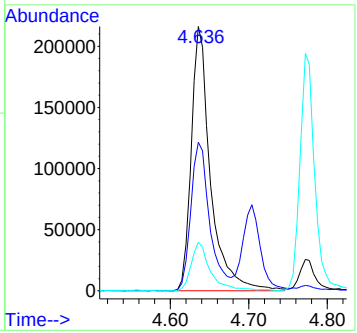


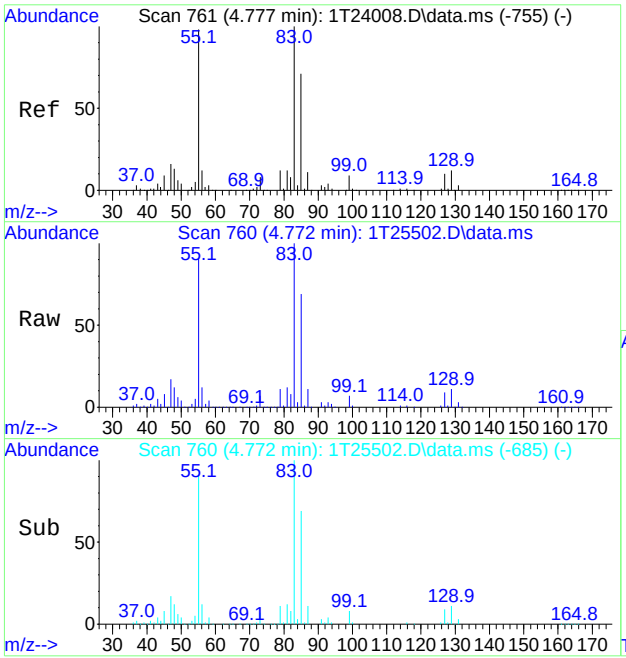


#58
n-butyl alcohol
Concen: 3389.7793 ug/L
RT: 4.636 min Scan# 734
Delta R.T. 0.001 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 56 Resp: 367787

Ion	Ratio	Lower	Upper
56	100		
41	56.1	42.6	82.6
55	18.3	0.0	38.9

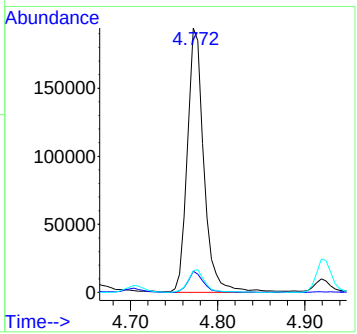


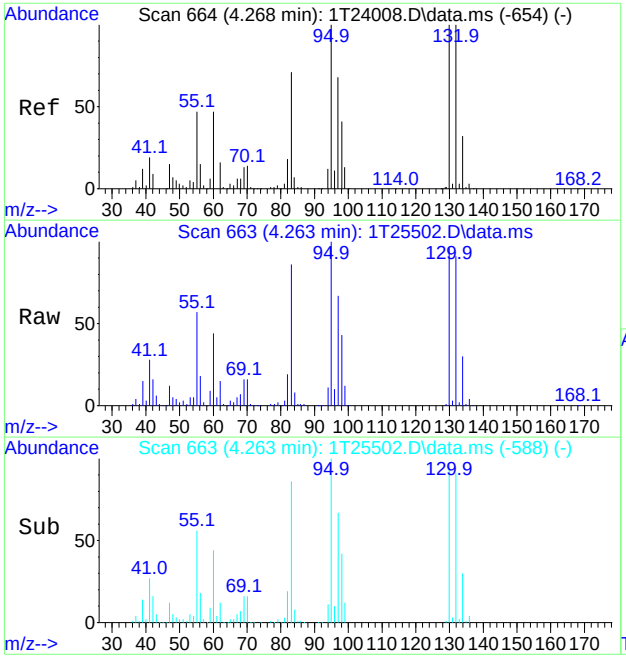


#59
ethyl acrylate
Concen: 57.9786 ug/L
RT: 4.772 min Scan# 760
Delta R.T. -0.005 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 55 Resp: 256038

Ion	Ratio	Lower	Upper
55	100		
73	7.9	0.0	37.8
99	8.2	0.0	39.3

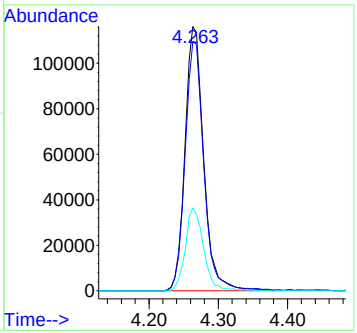


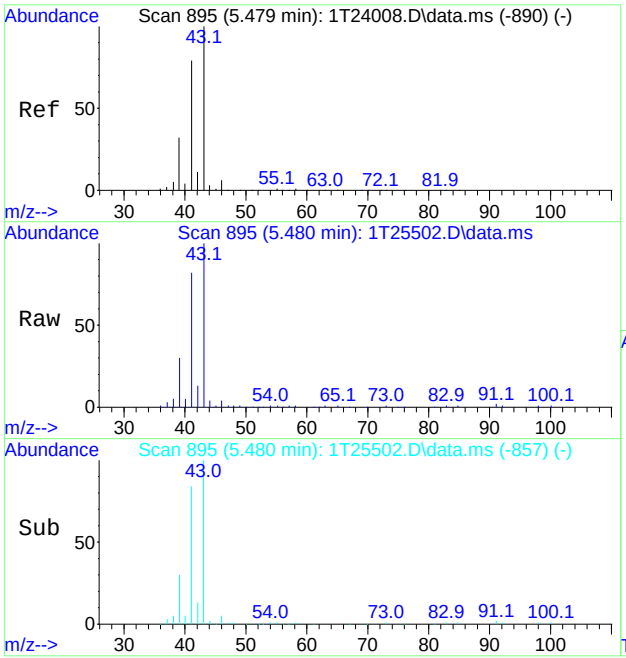


#60
trichloroethene
Concen: 57.1106 ug/L
RT: 4.263 min Scan# 663
Delta R.T. -0.005 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion:130 Resp: 218741

Ion	Ratio	Lower	Upper
130	100		
132	94.4	69.8	129.8
134	31.4	2.3	62.3

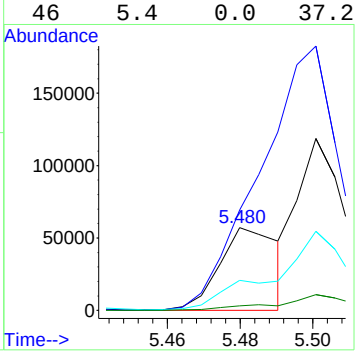


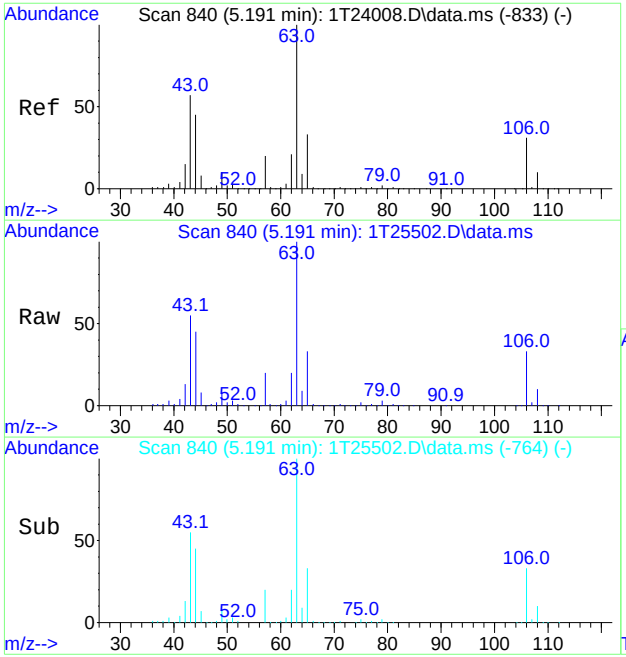


#61
2-nitropropane
Concen: 46.8966 ug/L m
RT: 5.480 min Scan# 895
Delta R.T. 0.000 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 41 Resp: 63812

Ion	Ratio	Lower	Upper
41	100		
43	121.3	96.2	156.2
39	36.3	11.9	71.9
46	5.4	0.0	37.2

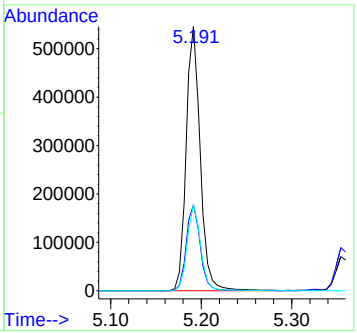


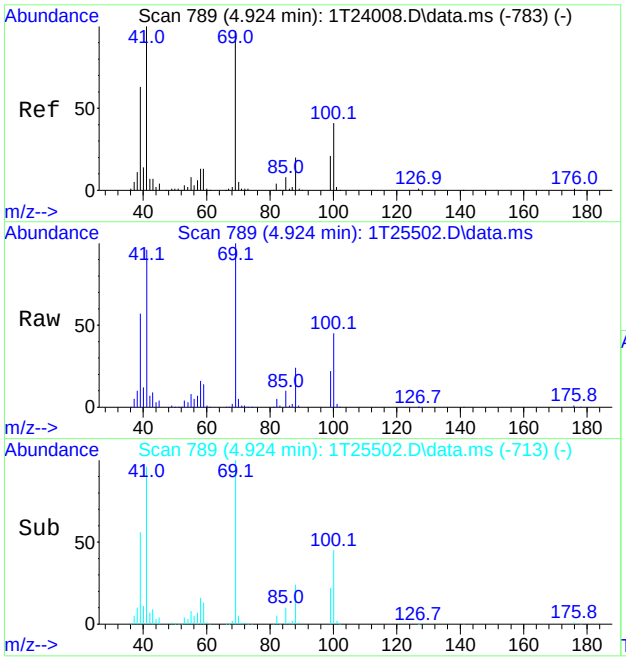


#62
2-chloroethyl vinyl ether
Concen: 231.1045 ug/L
RT: 5.191 min Scan# 840
Delta R.T. 0.000 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 63 Resp: 593415

Ion	Ratio	Lower	Upper
63	100		
65	32.5	2.7	62.7
106	32.6	0.6	60.6

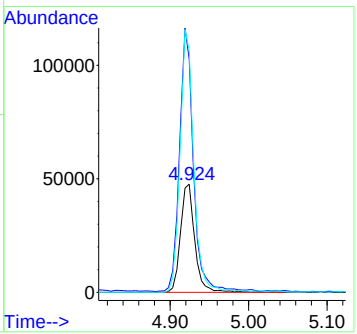


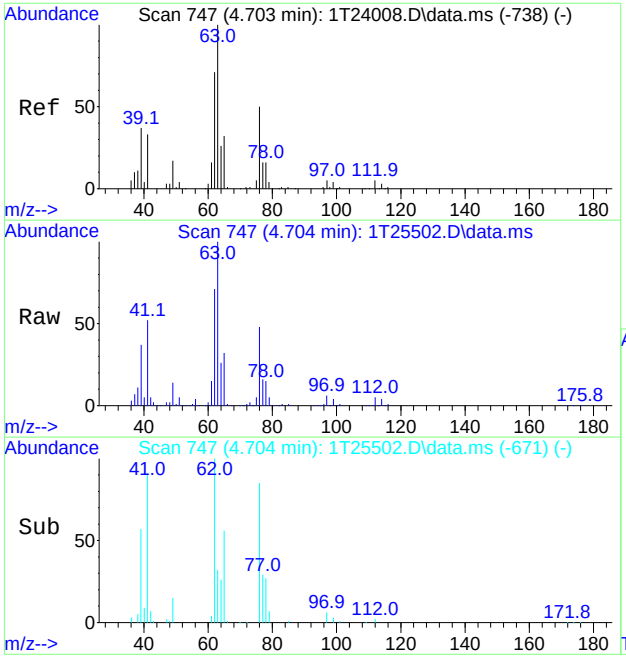


#63
methyl methacrylate
Concen: 54.1830 ug/L
RT: 4.924 min Scan# 789
Delta R.T. 0.000 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion:100 Resp: 60655

Ion	Ratio	Lower	Upper
100	100		
41	214.0	214.5	274.5#
69	223.4	207.6	267.6

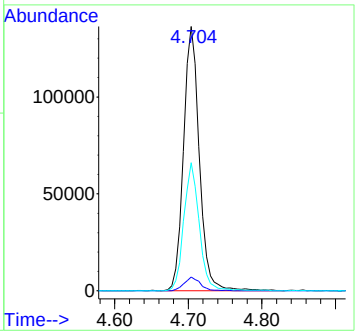


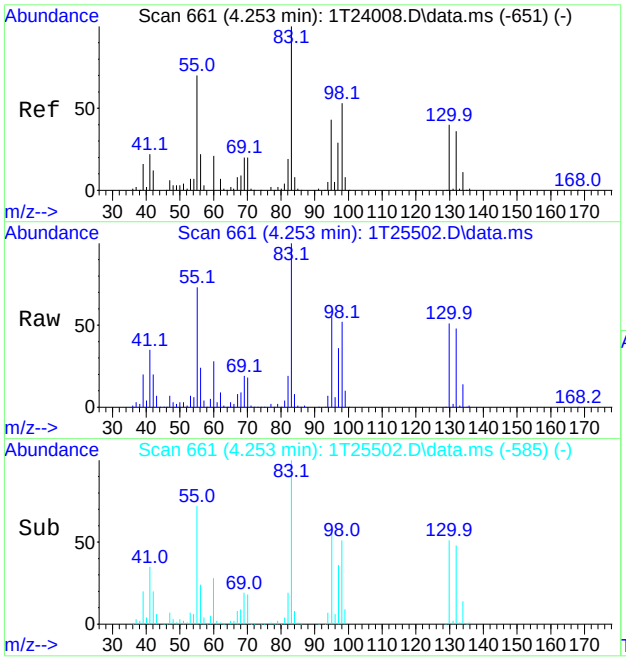


#64
1,2-dichloropropane
Concen: 56.9795 ug/L
RT: 4.704 min Scan# 747
Delta R.T. 0.001 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 63 Resp: 204135

Ion	Ratio	Lower	Upper
63	100		
112	5.3	0.0	34.7
76	48.4	20.1	80.1

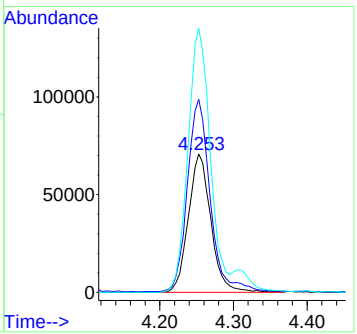


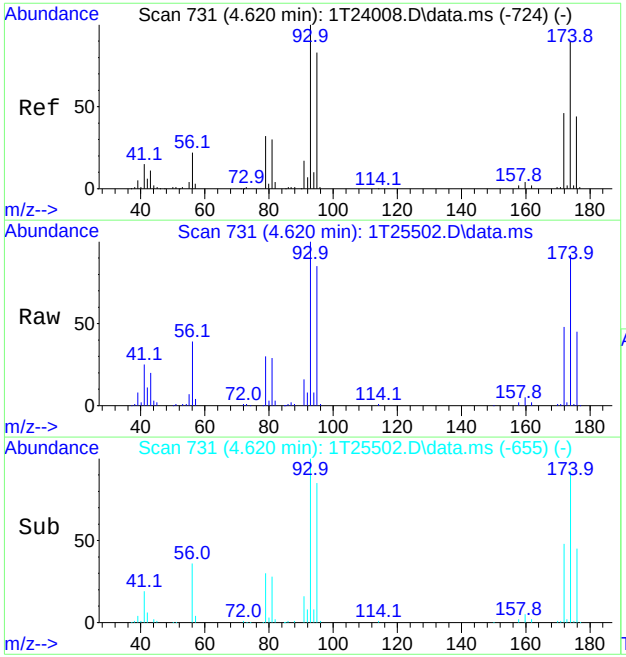


#65
methylcyclohexane
Concen: 56.2485 ug/L
RT: 4.253 min Scan# 661
Delta R.T. -0.000 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 98 Resp: 150771

Ion	Ratio	Lower	Upper
98	100		
55	138.9	102.6	162.6
83	191.0	188.2	188.2#

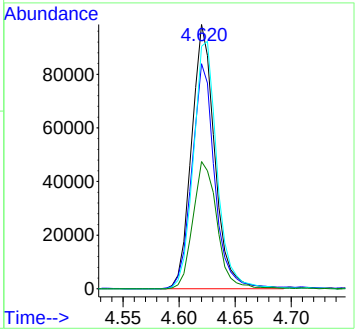


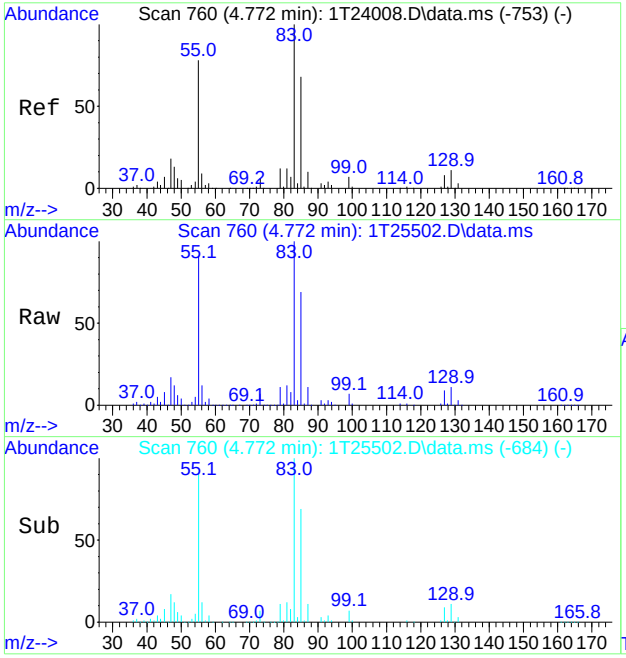


#66
dibromomethane
Concen: 47.0872 ug/L
RT: 4.620 min Scan# 731
Delta R.T. -0.000 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 93 Resp: 142444

Ion	Ratio	Lower	Upper
93	100		
95	85.1	53.3	113.3
174	91.7	59.6	119.6
172	48.2	26.5	66.5

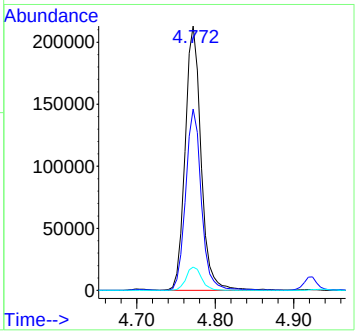


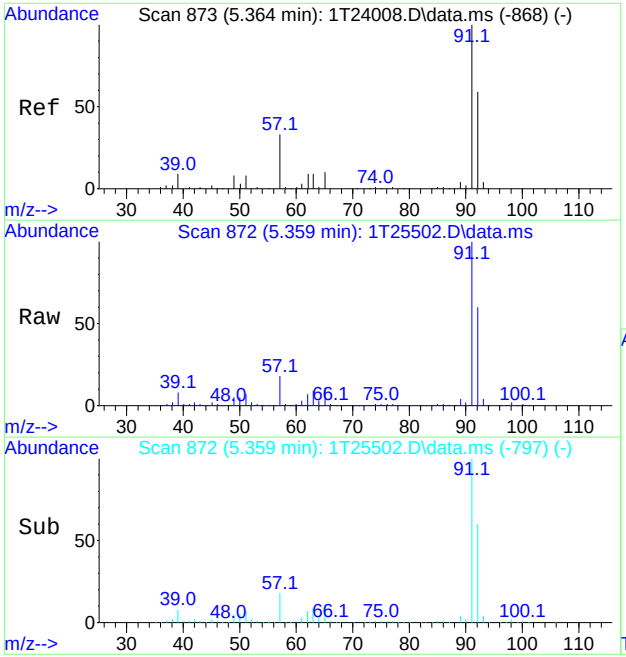


#67
bromodichloromethane
Concen: 52.6541 ug/L
RT: 4.772 min Scan# 760
Delta R.T. 0.000 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 83 Resp: 301015

Ion	Ratio	Lower	Upper
83	100		
85	68.6	38.0	98.0
127	8.9	0.0	38.3

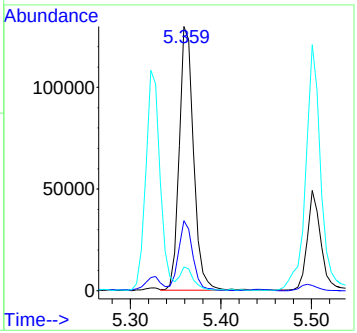


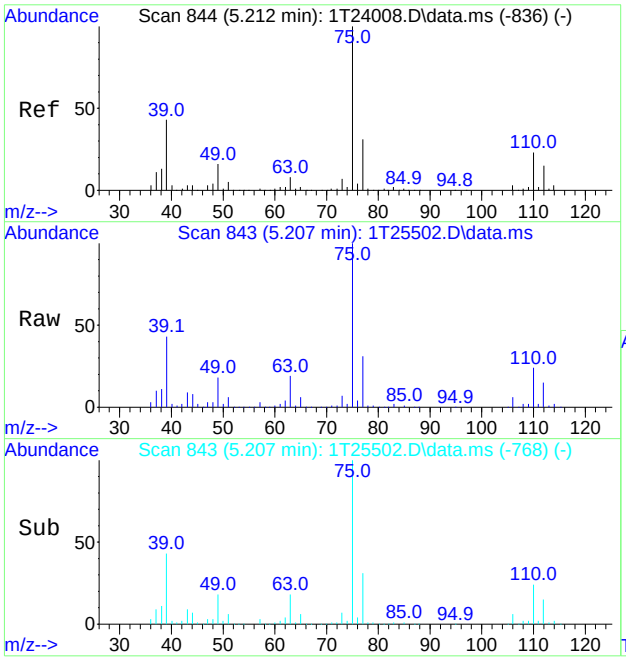


#68
epichlorohydrin
Concen: 274.0495 ug/L
RT: 5.359 min Scan# 872
Delta R.T. -0.005 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 57 Resp: 144033

Ion	Ratio	Lower	Upper
57	100		
49	26.6	5.6	45.6
42	7.7	0.0	29.5

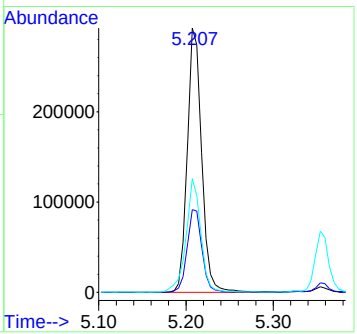


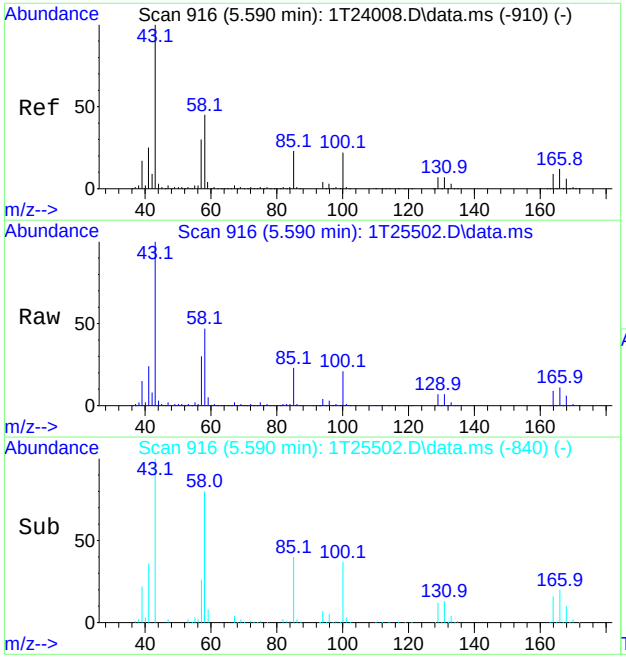


#69
cis-1,3-dichloropropene
Concen: 52.1715 ug/L
RT: 5.207 min Scan# 843
Delta R.T. -0.005 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 75 Resp: 336297

Ion	Ratio	Lower	Upper
75	100		
77	31.3	1.4	61.4
39	42.9	13.3	73.3

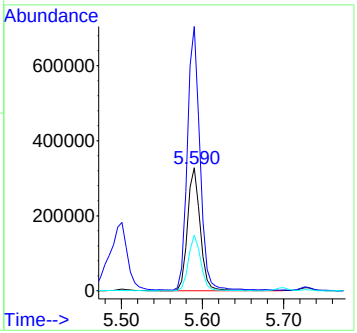


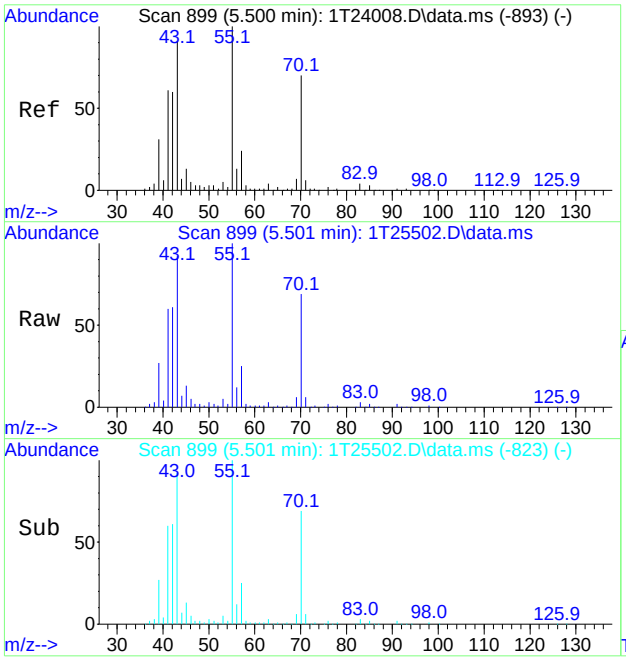


#70
4-methyl-2-pentanone
Concen: 226.1958 ug/L
RT: 5.590 min Scan# 916
Delta R.T. -0.000 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 58 Resp: 356704

Ion	Ratio	Lower	Upper
58	100		
43	214.3	192.2	252.2
100	45.4	18.2	78.2

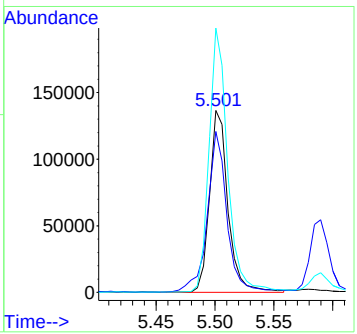


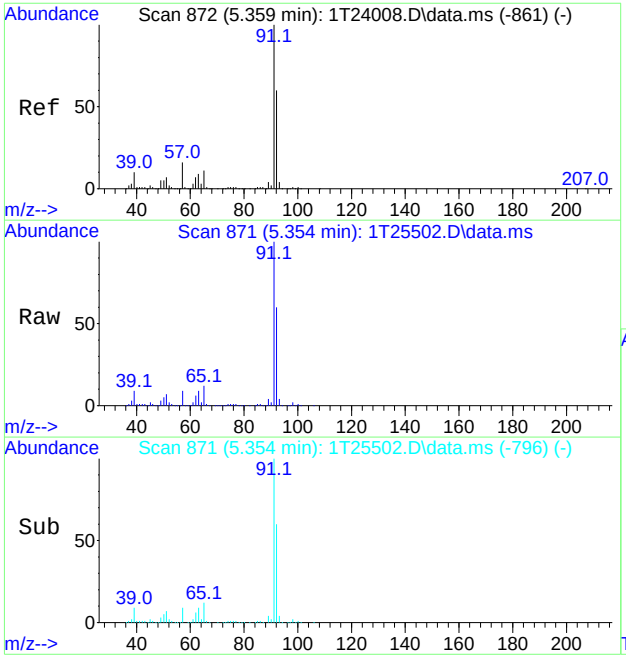


#71
3-methyl-1-butanol
Concen: 1164.5740 ug/L
RT: 5.501 min Scan# 899
Delta R.T. 0.001 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 70 Resp: 149196

Ion	Ratio	Lower	Upper
70	100		
42	88.4	54.9	114.9
55	145.4	112.0	172.0

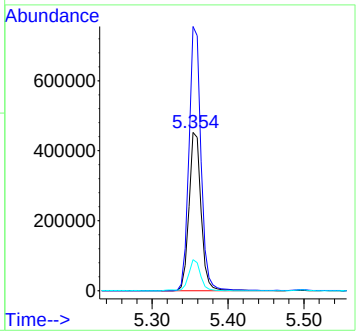


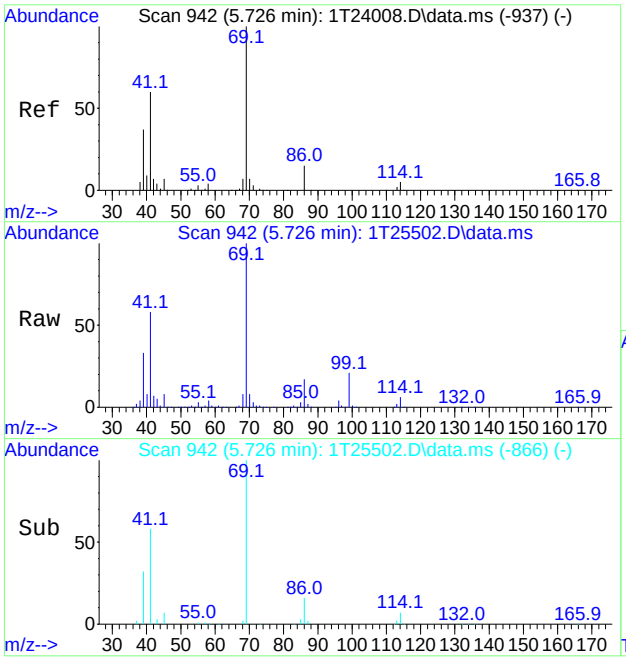


#74
toluene
Concen: 53.2325 ug/L
RT: 5.354 min Scan# 871
Delta R.T. -0.005 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 92 Resp: 495654

Ion	Ratio	Lower	Upper
92	100		
91	167.1	147.9	187.9
65	19.7	0.0	38.0

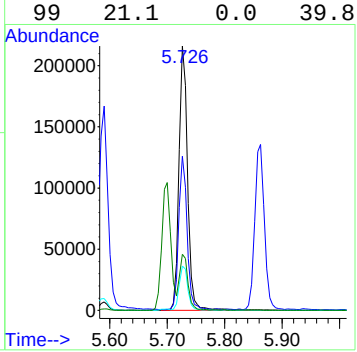


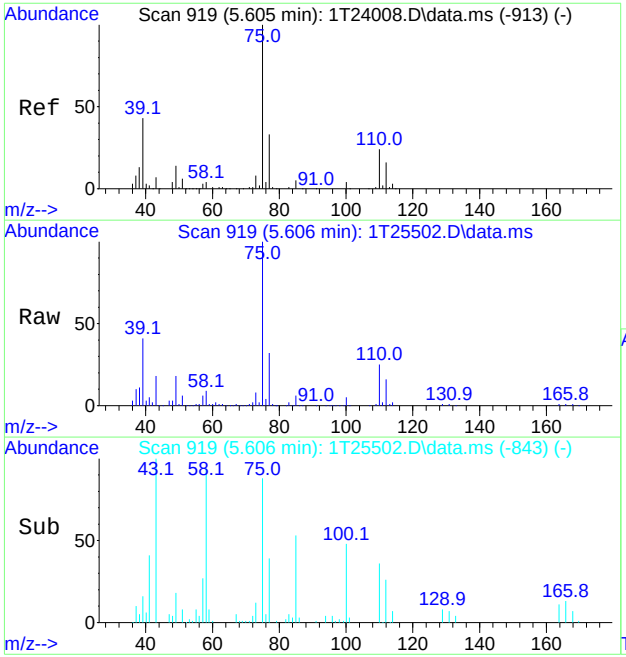


#75
ethyl methacrylate
Concen: 57.3753 ug/L
RT: 5.726 min Scan# 942
Delta R.T. 0.000 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 69 Resp: 228299

Ion	Ratio	Lower	Upper
69	100		
41	58.0	40.2	80.2
86	16.8	0.0	35.4
99	21.1	0.0	39.8

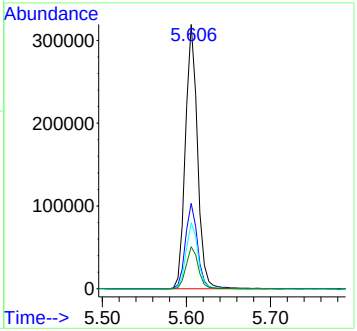


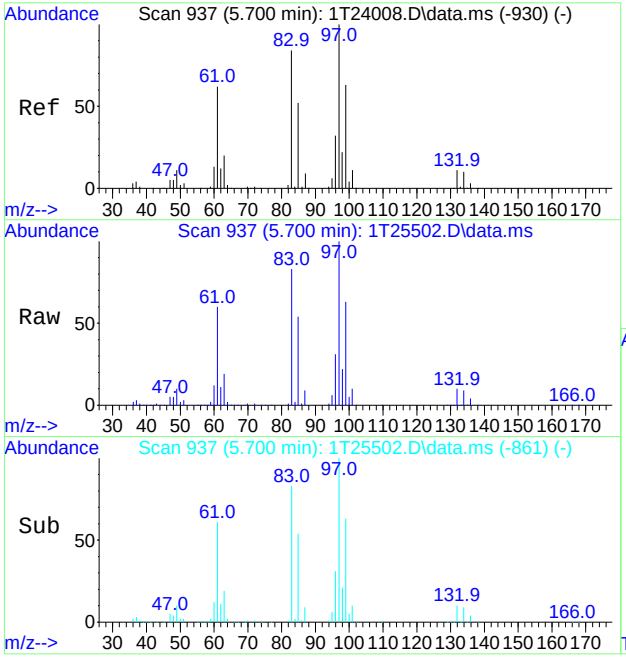


#76
trans-1,3-dichloropropene
Concen: 58.2162 ug/L
RT: 5.606 min Scan# 919
Delta R.T. 0.000 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 75 Resp: 319329

Ion	Ratio	Lower	Upper
75	100		
77	32.3	12.7	52.7
110	25.1	4.1	44.1
112	15.9	0.0	35.6

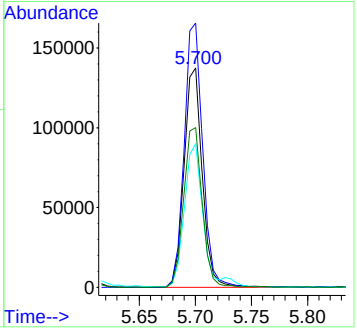


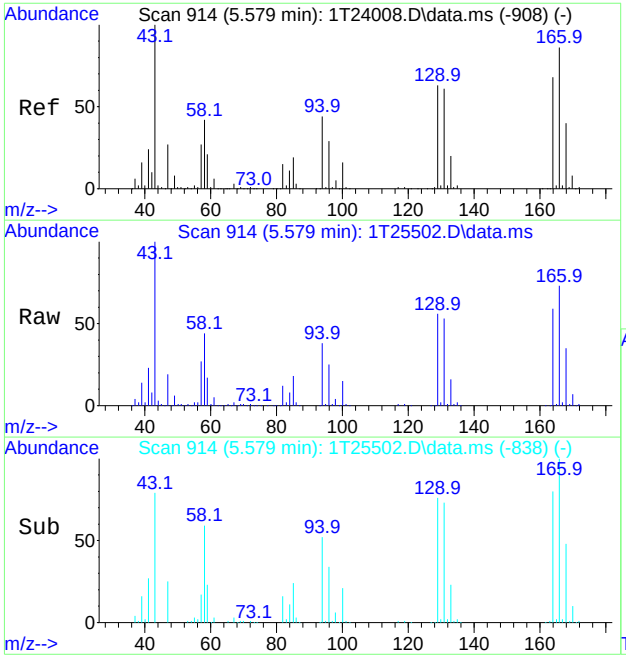


#77
1,1,2-trichloroethane
Concen: 55.8425 ug/L
RT: 5.700 min Scan# 937
Delta R.T. 0.000 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 83 Resp: 155868

Ion	Ratio	Lower	Upper
83	100		
97	120.5	98.8	138.8
85	65.5	41.6	81.6
61	72.7	53.7	93.7

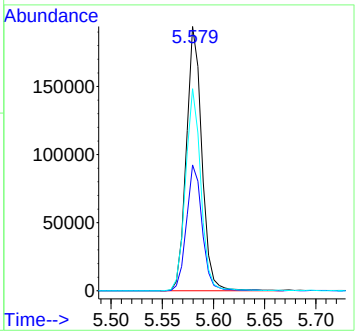


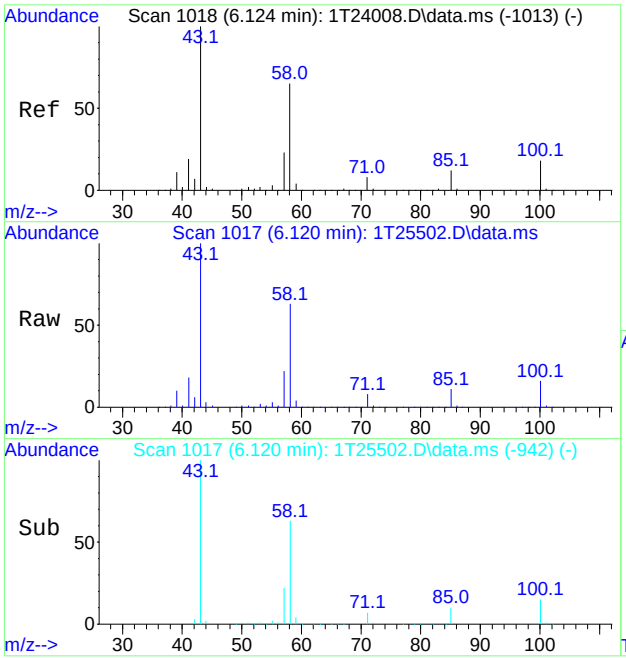


#78
tetrachloroethene
Concen: 52.6661 ug/L
RT: 5.579 min Scan# 914
Delta R.T. 0.000 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion:166 Resp: 204777

Ion	Ratio	Lower	Upper
166	100		
168	47.6	16.8	76.8
129	76.4	43.9	103.9

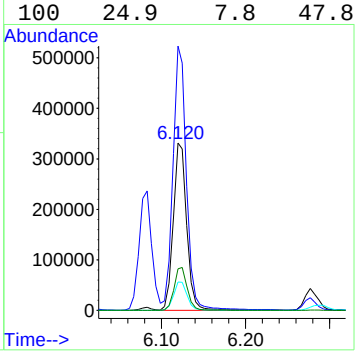


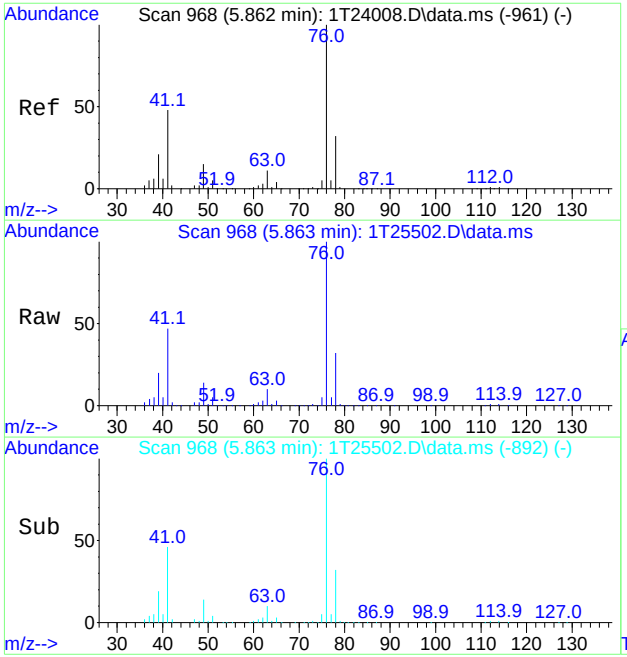


#79
2-hexanone
Concen: 252.1159 ug/L
RT: 6.120 min Scan# 1017
Delta R.T. -0.005 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 58 Resp: 368774

Ion	Ratio	Lower	Upper
58	100		
43	158.0	139.1	179.1
85	16.9	0.0	38.1
100	24.9	7.8	47.8

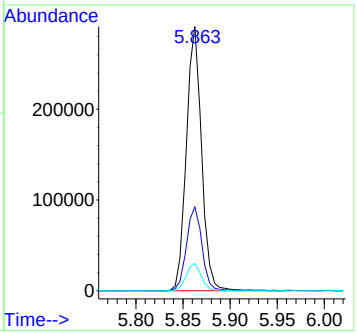


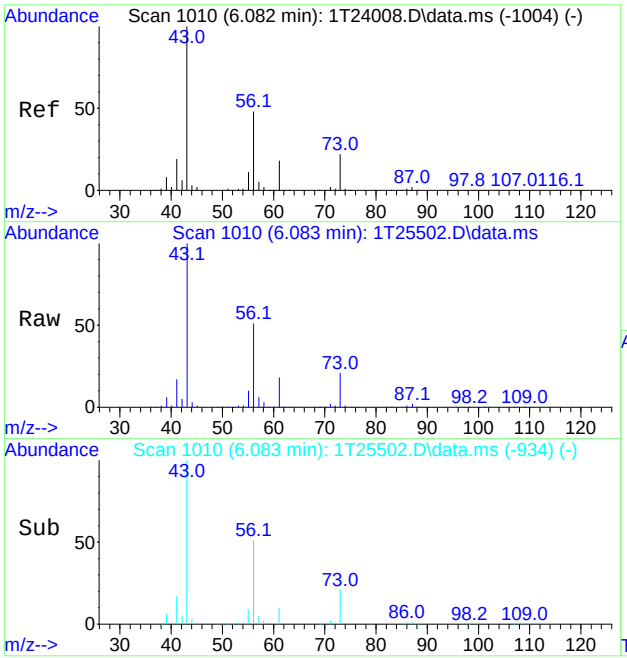


#80
1,3-dichloropropane
Concen: 57.6927 ug/L
RT: 5.863 min Scan# 968
Delta R.T. 0.000 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 76 Resp: 328015

Ion	Ratio	Lower	Upper
76	100		
78	31.8	2.1	62.1
63	10.4	0.0	40.7

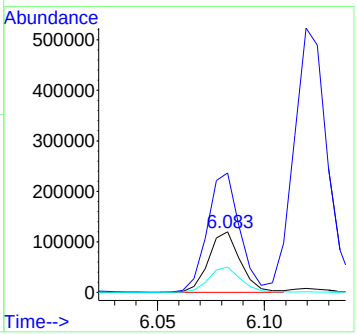


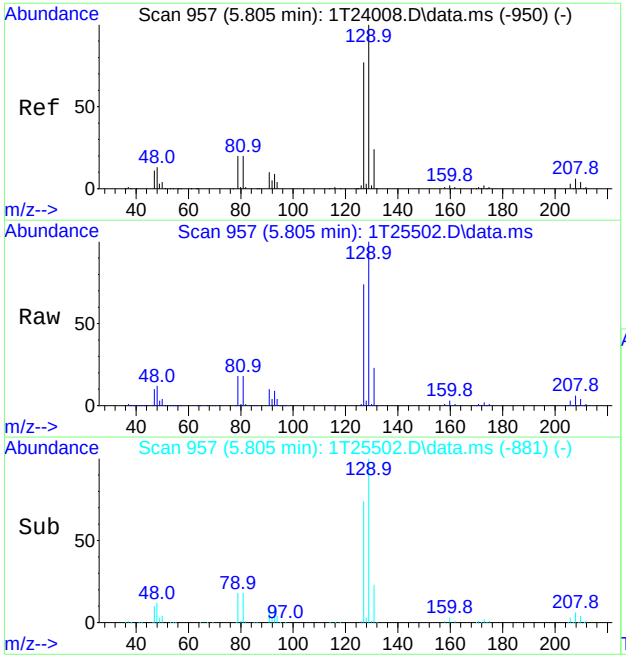


#81
butyl acetate
Concen: 63.0249 ug/L
RT: 6.083 min Scan# 1010
Delta R.T. 0.000 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 56 Resp: 124416

Ion	Ratio	Lower	Upper
56	100		
43	197.1	177.8	237.8
73	41.8	16.2	76.2

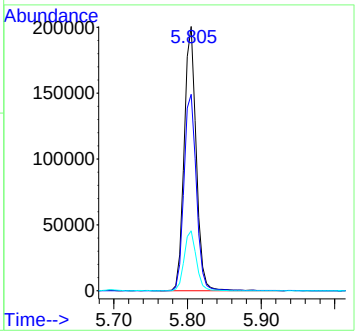


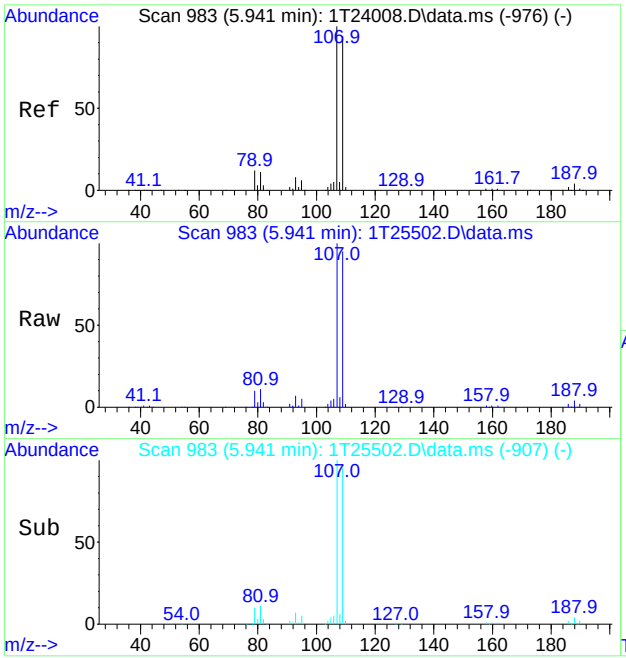


#82
dibromochloromethane
Concen: 53.7755 ug/L
RT: 5.805 min Scan# 957
Delta R.T. 0.000 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion:129 Resp: 227510

Ion	Ratio	Lower	Upper
129	100		
127	74.3	47.5	107.5
131	22.7	0.0	54.1

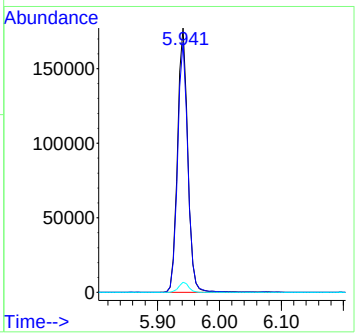


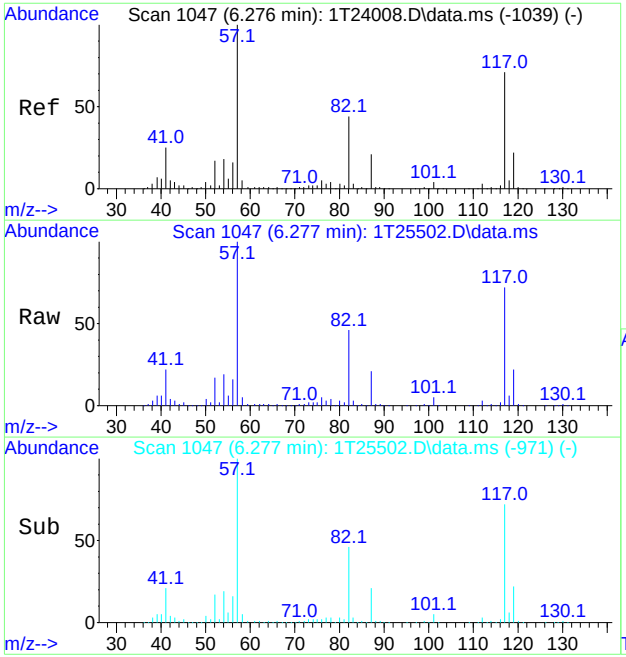


#83
1,2-dibromoethane
Concen: 55.3413 ug/L
RT: 5.941 min Scan# 983
Delta R.T. 0.000 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion:107 Resp: 203386

Ion	Ratio	Lower	Upper
107	100		
109	94.7	64.0	124.0
188	3.9	0.0	33.9

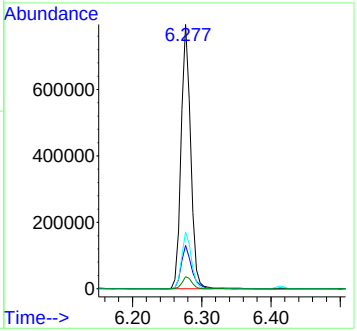


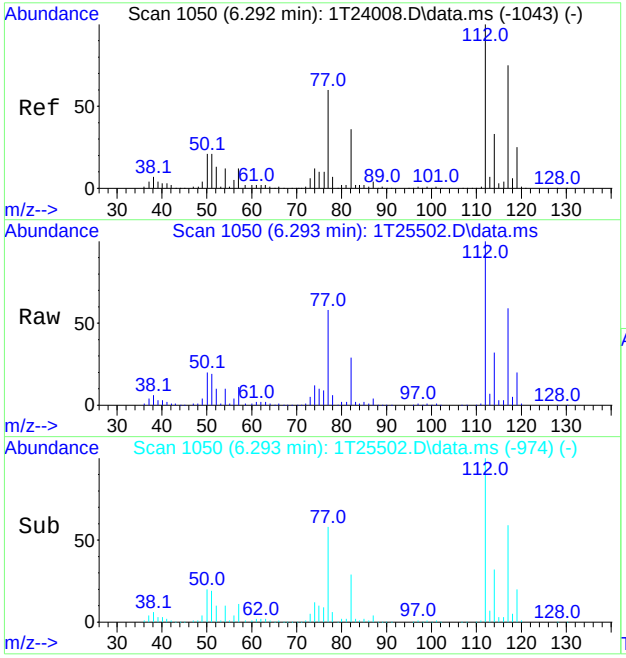


#84
n-butyl ether
Concen: 62.9060 ug/L
RT: 6.277 min Scan# 1047
Delta R.T. 0.000 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 57 Resp: 772223

Ion	Ratio	Lower	Upper
57	100		
56	16.4	0.0	46.4
87	21.5	0.0	51.4
101	4.6	0.0	34.3

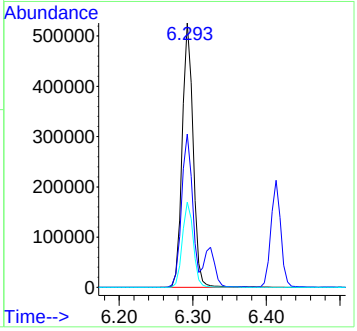


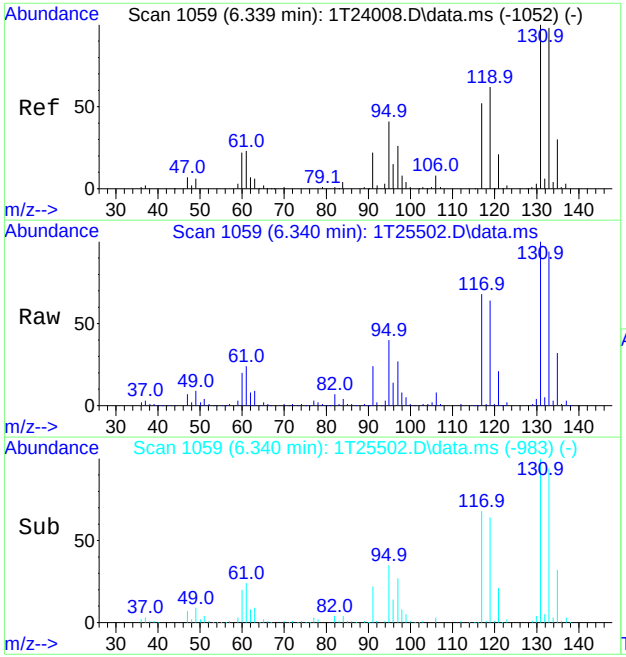


#85
chlorobenzene
Concen: 50.3196 ug/L
RT: 6.293 min Scan# 1050
Delta R.T. 0.000 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion:112 Resp: 542562

Ion	Ratio	Lower	Upper
112	100		
77	57.9	29.6	89.6
114	32.3	3.1	63.1

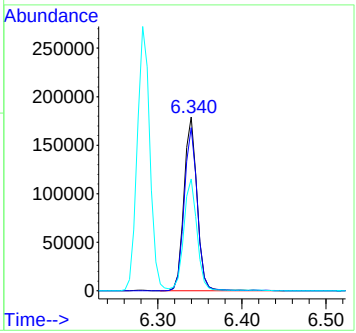


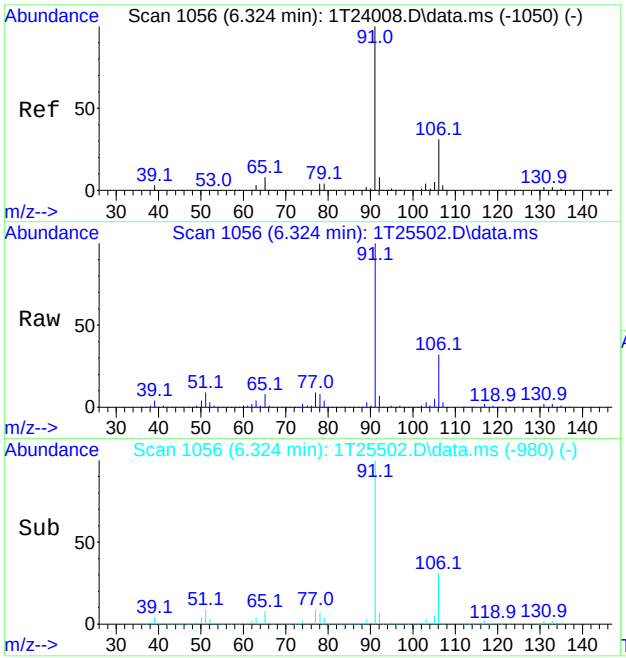


#86
1,1,1,2-tetrachloroethane
Concen: 51.6159 ug/L
RT: 6.340 min Scan# 1059
Delta R.T. 0.000 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion:131 Resp: 193061

Ion	Ratio	Lower	Upper
131	100		
133	93.8	67.5	127.5
119	64.4	36.1	96.1

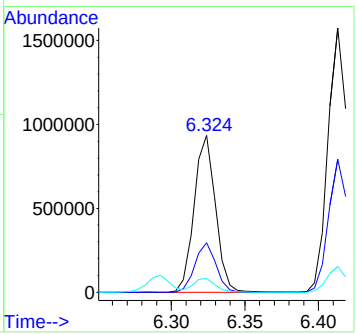


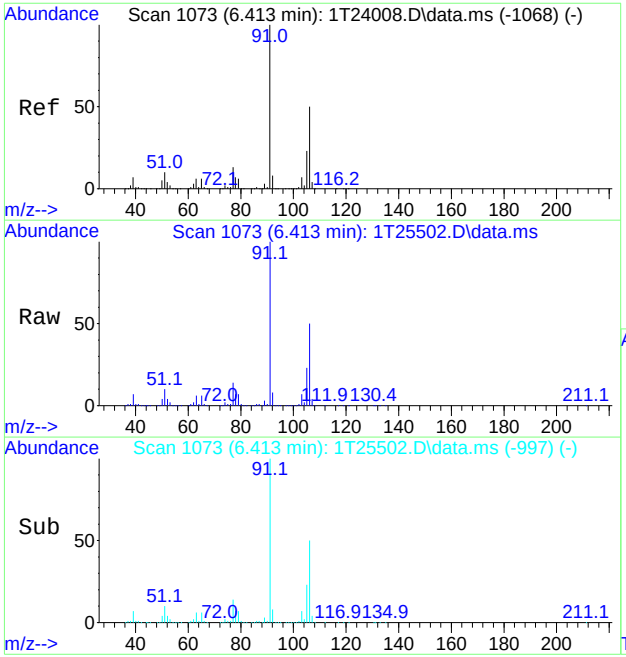


#87
ethylbenzene
Concen: 54.4456 ug/L
RT: 6.324 min Scan# 1056
Delta R.T. 0.000 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 91 Resp: 940433

Ion	Ratio	Lower	Upper
91	100		
106	31.6	1.3	61.3
51	8.8	0.0	39.0

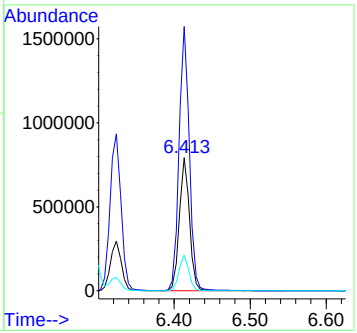


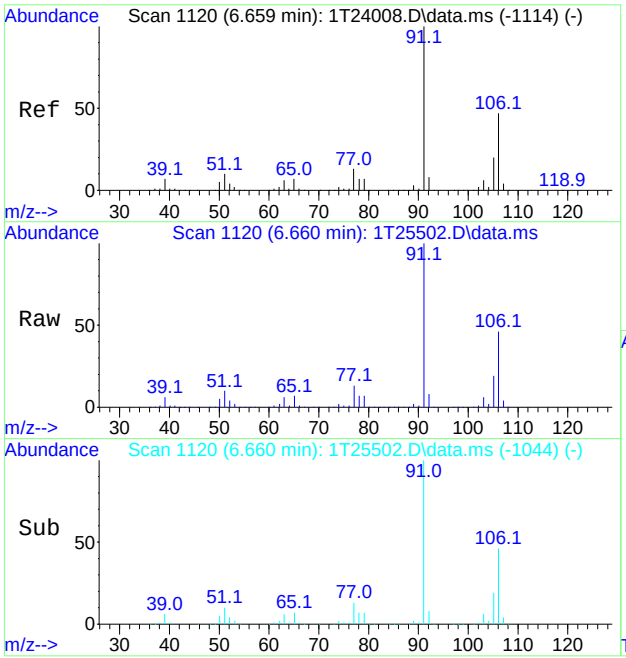


#88
m,p-xylene
Concen: 111.6041 ug/L
RT: 6.413 min Scan# 1073
Delta R.T. 0.000 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion:106 Resp: 742979

Ion	Ratio	Lower	Upper
106	100		
91	198.7	169.8	229.8
77	26.9	6.7	46.7

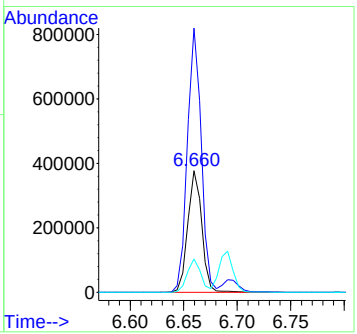


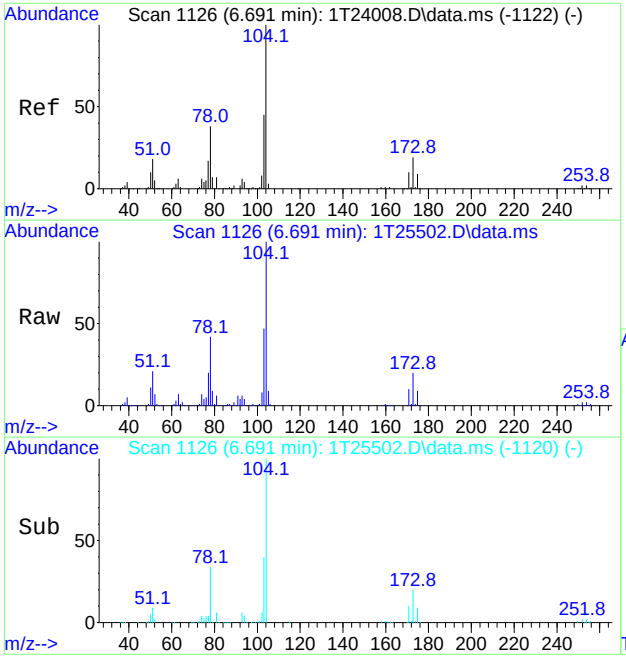


#89
o-xylene
Concen: 56.1434 ug/L
RT: 6.660 min Scan# 1120
Delta R.T. 0.000 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion:106 Resp: 346200

Ion	Ratio	Lower	Upper
106	100		
91	217.3	181.7	241.7
77	27.5	6.5	46.5

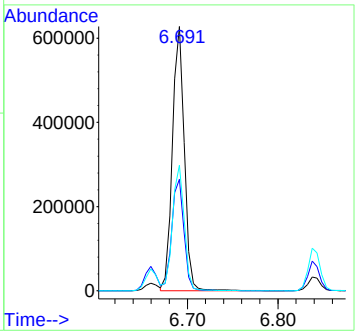


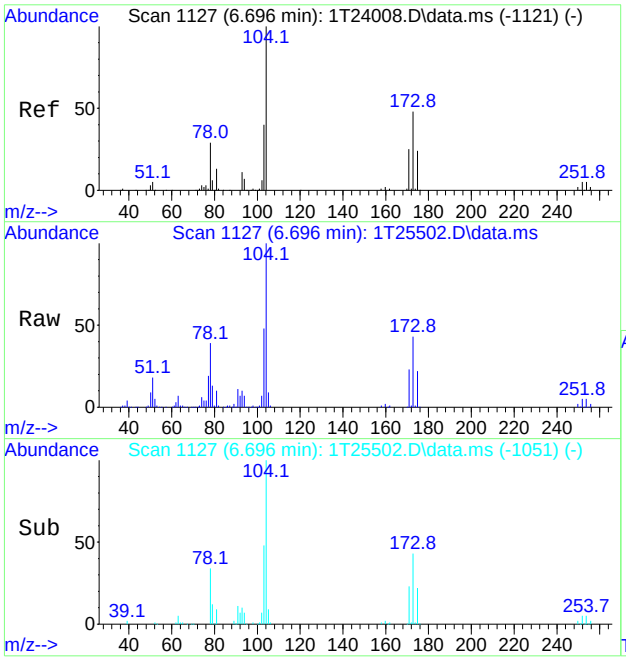


#90
styrene
Concen: 57.9335 ug/L
RT: 6.691 min Scan# 1126
Delta R.T. 0.000 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion:104 Resp: 575937

Ion	Ratio	Lower	Upper
104	100		
78	42.2	9.6	69.6
103	47.5	16.5	76.5

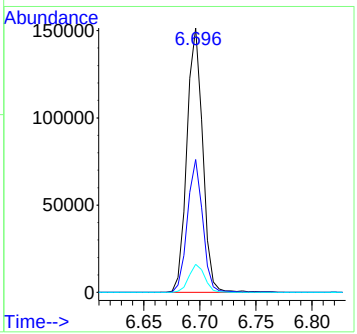


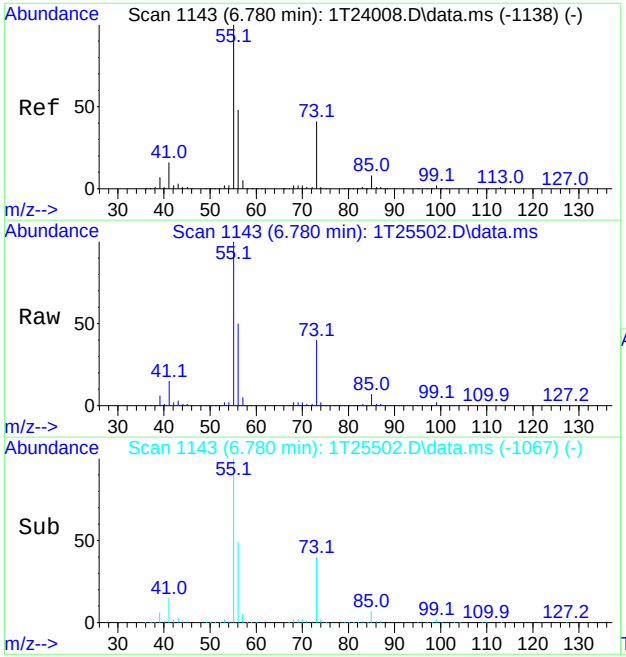


#91
bromoform
Concen: 46.0707 ug/L
RT: 6.696 min Scan# 1127
Delta R.T. 0.000 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion:173 Resp: 148415

Ion	Ratio	Lower	Upper
173	100		
175	50.3	19.5	79.5
254	10.7	0.0	40.4

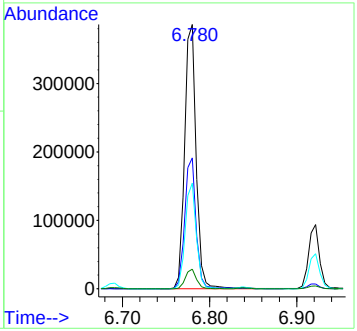


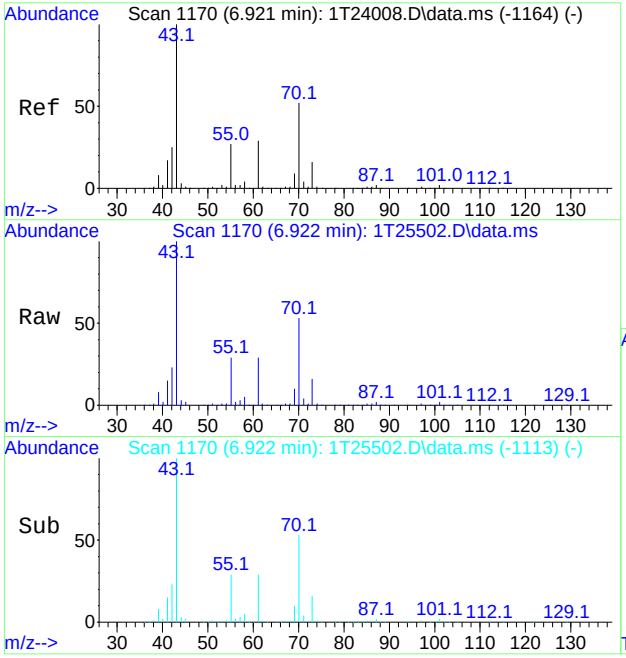


#92
butyl acrylate
Concen: 61.0073 ug/L
RT: 6.780 min Scan# 1143
Delta R.T. 0.000 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 55 Resp: 355782

Ion	Ratio	Lower	Upper
55	100		
56	49.5	18.5	78.5
73	40.0	10.6	70.6
85	7.5	0.0	38.0

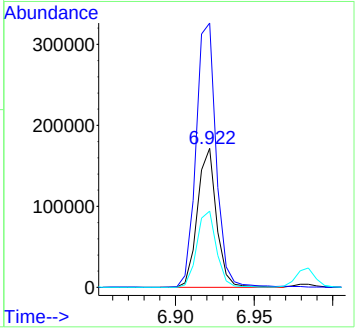


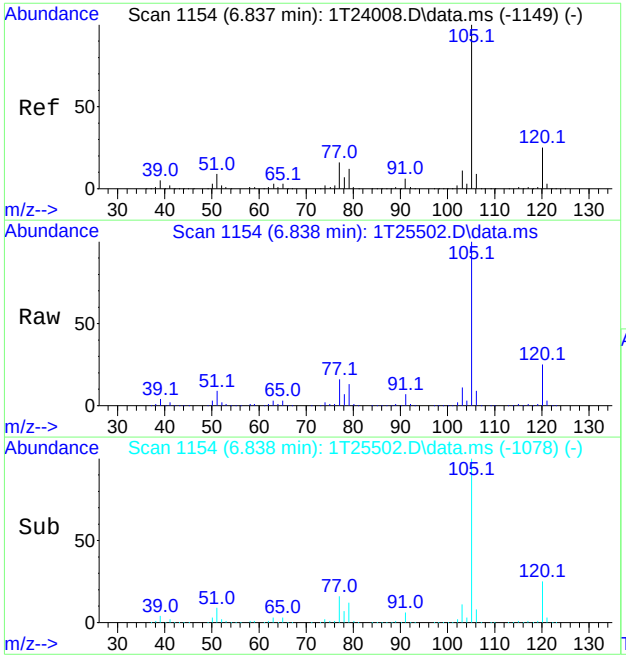


#93
n-amyl acetate
Concen: 58.7384 ug/L
RT: 6.922 min Scan# 1170
Delta R.T. 0.000 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 70 Resp: 145875

Ion	Ratio	Lower	Upper
70	100		
43	189.9	171.9	211.9
61	54.8	35.4	75.4

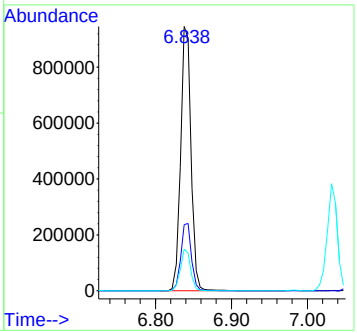


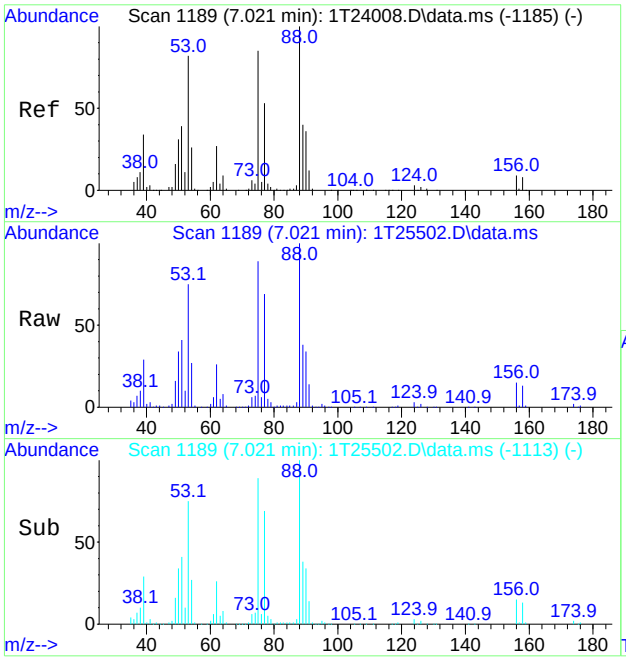


#94
isopropylbenzene
Concen: 57.6187 ug/L
RT: 6.838 min Scan# 1154
Delta R.T. 0.000 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion:105 Resp: 902988

Ion	Ratio	Lower	Upper
105	100		
120	25.0	5.3	45.3
77	15.8	0.0	36.1

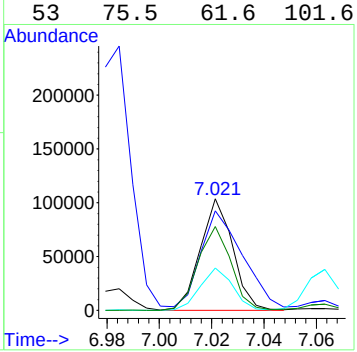


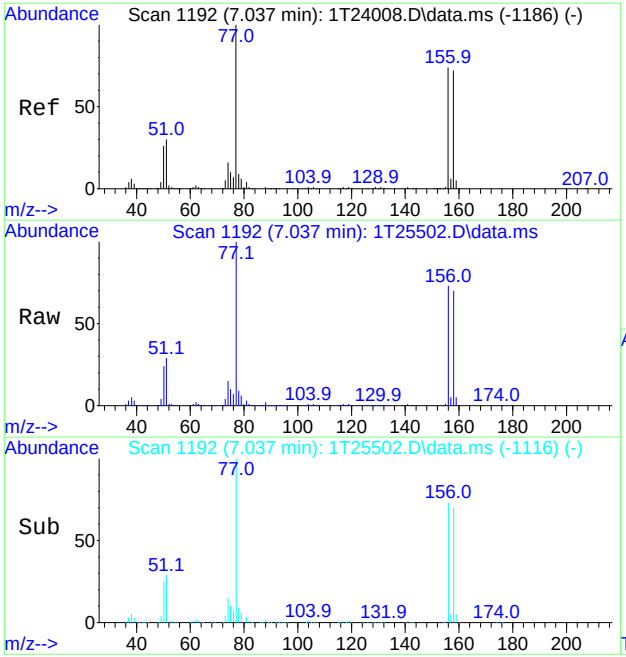


#95
cis-1,4-dichloro-2-butene
Concen: 47.2274 ug/L
RT: 7.021 min Scan# 1189
Delta R.T. 0.000 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 88 Resp: 89940

Ion	Ratio	Lower	Upper
88	100		
75	86.5	67.1	107.1
89	38.3	19.7	59.7
53	75.5	61.6	101.6

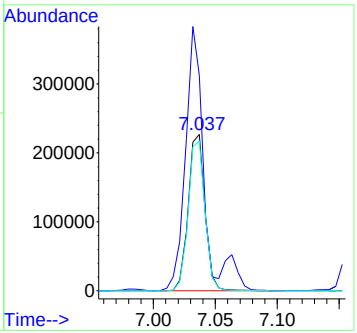


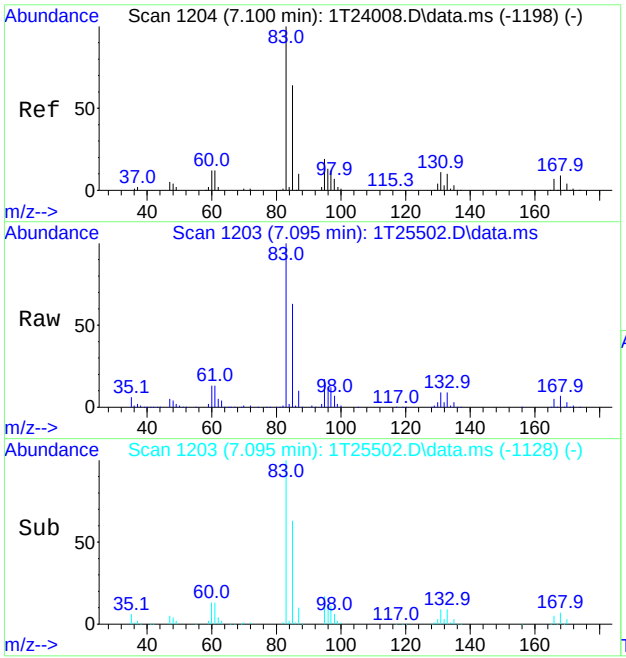


#98
bromobenzene
Concen: 50.2082 ug/L
RT: 7.037 min Scan# 1192
Delta R.T. 0.000 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion:156 Resp: 213973

Ion	Ratio	Lower	Upper
156	100		
77	137.4	104.6	164.6
158	95.9	67.1	127.1

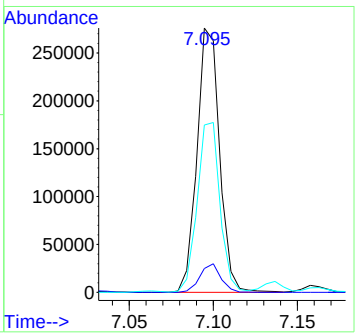


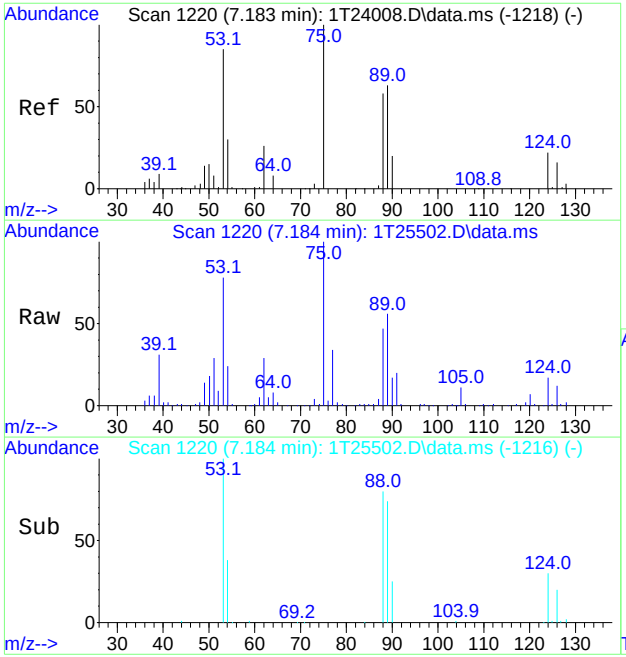


#99
1,1,2,2-tetrachloroethane
Concen: 49.1527 ug/L
RT: 7.095 min Scan# 1203
Delta R.T. -0.005 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 83 Resp: 258198

Ion	Ratio	Lower	Upper
83	100		
131	9.1	0.0	40.9
85	62.9	34.4	94.4

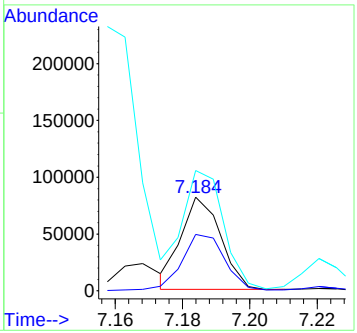


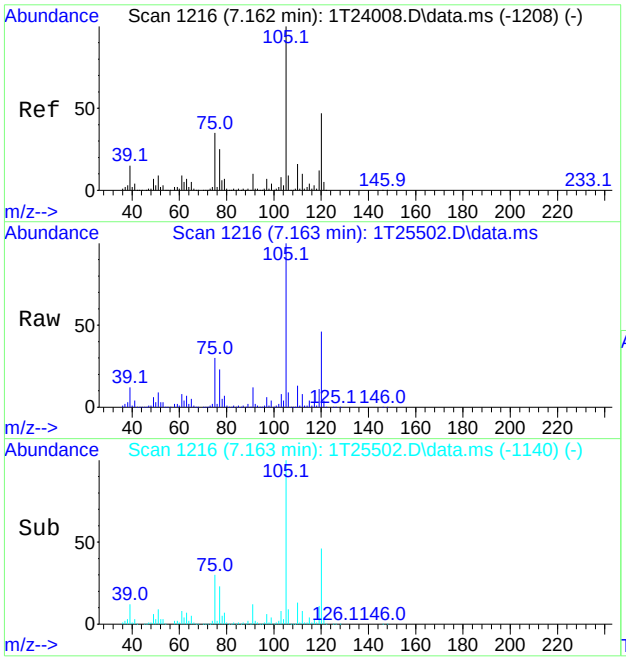


#100
trans-1,4-dichloro-2-butene
Concen: 49.2563 ug/L
RT: 7.184 min Scan# 1220
Delta R.T. 0.000 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 53 Resp: 66434

Ion	Ratio	Lower	Upper
53	100		
88	60.0	29.6	89.6
75	125.7	97.1	157.1

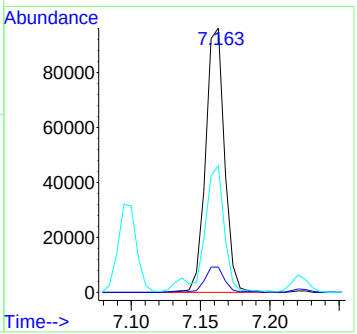


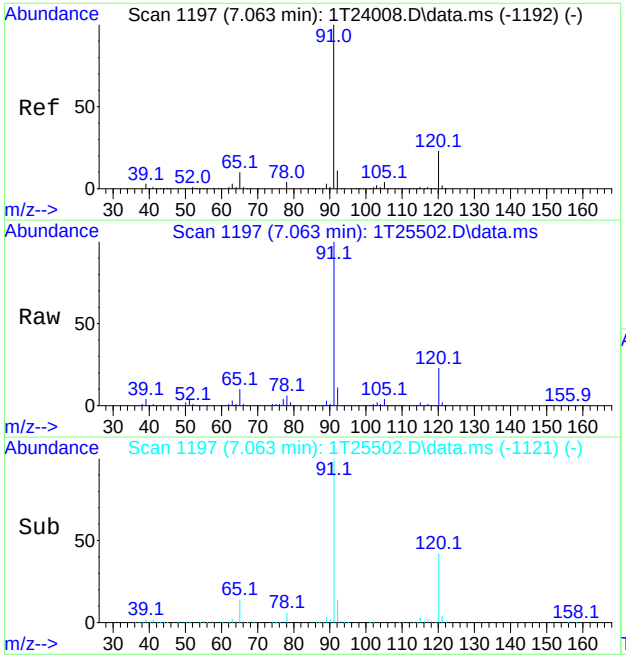


#101
1,2,3-trichloropropane
Concen: 48.8427 ug/L
RT: 7.163 min Scan# 1216
Delta R.T. 0.000 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion:110 Resp: 91237

Ion	Ratio	Lower	Upper
110	100		
111	9.6	0.0	39.0
97	47.7	15.1	75.1

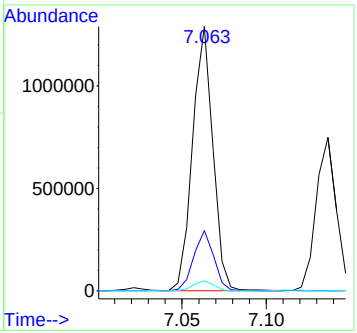


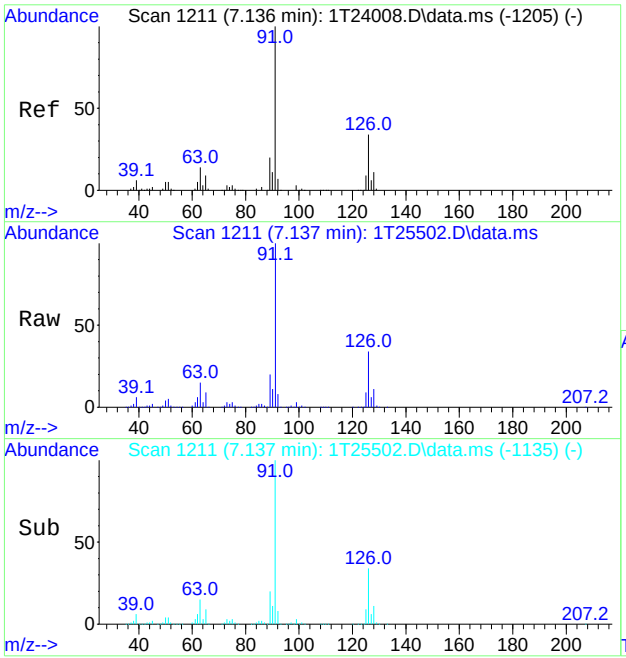


#102
n-propylbenzene
Concen: 57.6033 ug/L
RT: 7.063 min Scan# 1197
Delta R.T. 0.000 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 91 Resp: 1086167

Ion	Ratio	Lower	Upper
91	100		
120	22.8	0.0	53.1
105	3.8	0.0	33.9

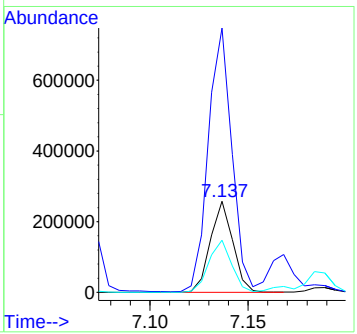


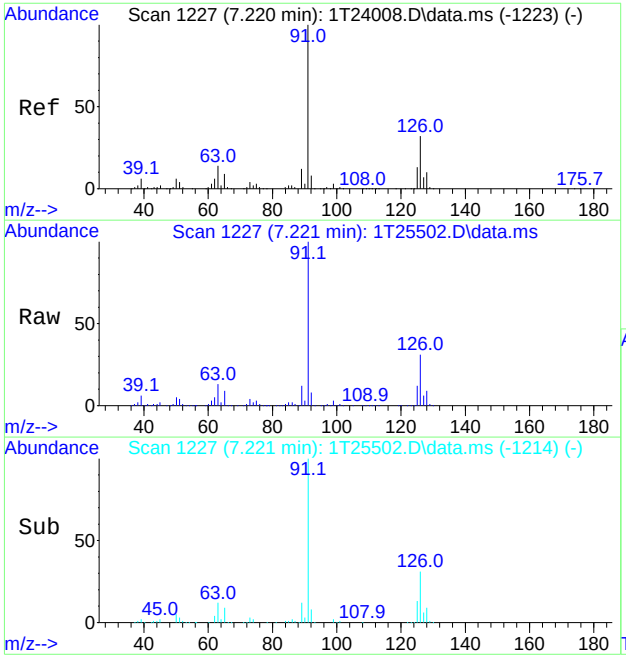


#103
2-chlorotoluene
Concen: 53.8307 ug/L
RT: 7.137 min Scan# 1211
Delta R.T. 0.000 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion:126 Resp: 206688

Ion	Ratio	Lower	Upper
126	100		
91	289.5	263.0	323.0
89	57.4	27.6	87.6

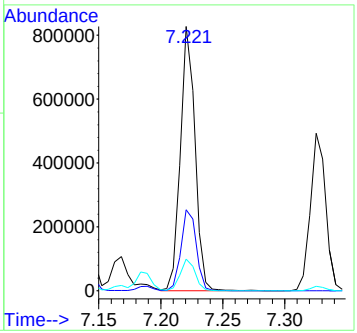


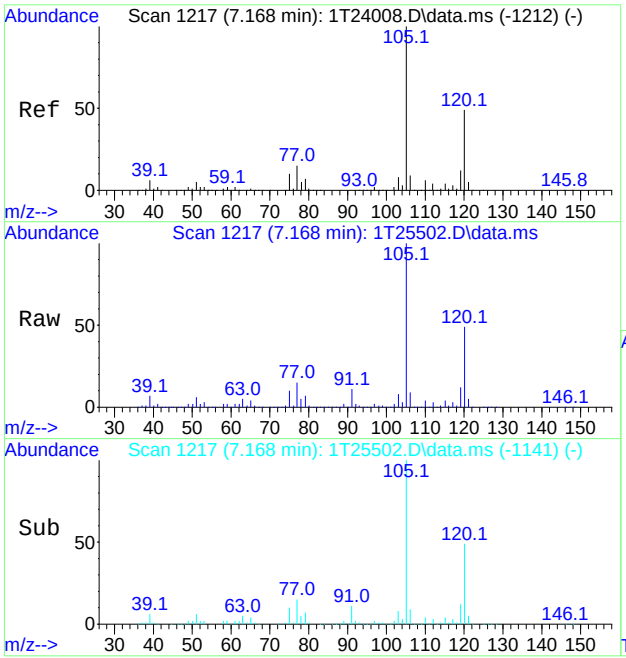


#104
4-chlorotoluene
Concen: 56.5522 ug/L
RT: 7.221 min Scan# 1227
Delta R.T. 0.000 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion: 91 Resp: 676188

Ion	Ratio	Lower	Upper
91	100		
126	30.7	2.2	62.2
89	12.0	0.0	42.5

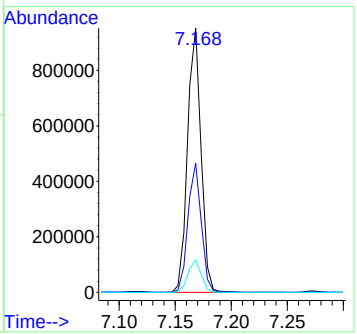


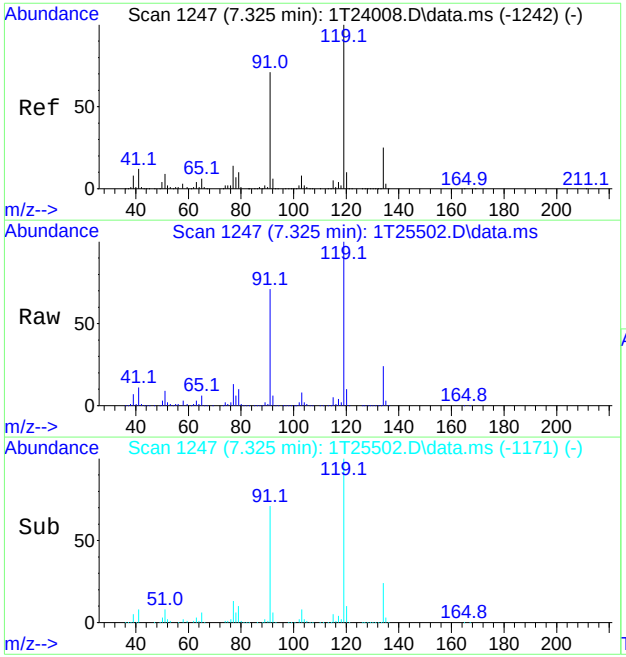


#105
1,3,5-trimethylbenzene
Concen: 61.0220 ug/L
RT: 7.168 min Scan# 1217
Delta R.T. 0.000 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion:105 Resp: 797452

Ion	Ratio	Lower	Upper
105	100		
120	48.9	19.0	79.0
119	12.3	0.0	42.2

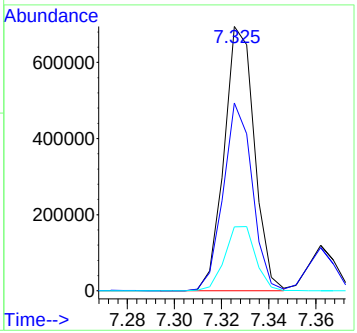


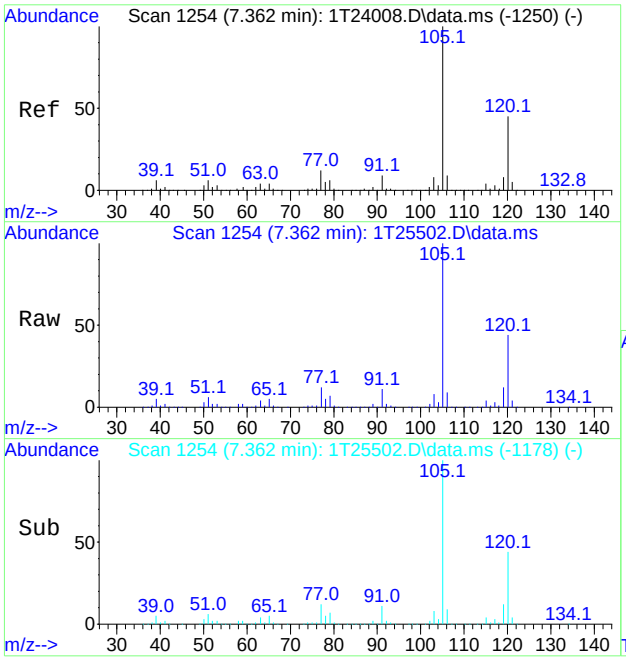


#106
tert-butylbenzene
Concen: 59.8890 ug/L
RT: 7.325 min Scan# 1247
Delta R.T. 0.000 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion:119 Resp: 619164

Ion	Ratio	Lower	Upper
119	100		
91	70.9	40.9	100.9
134	24.2	0.0	54.5

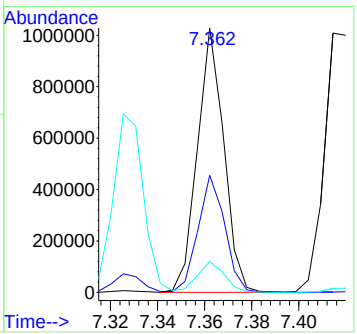


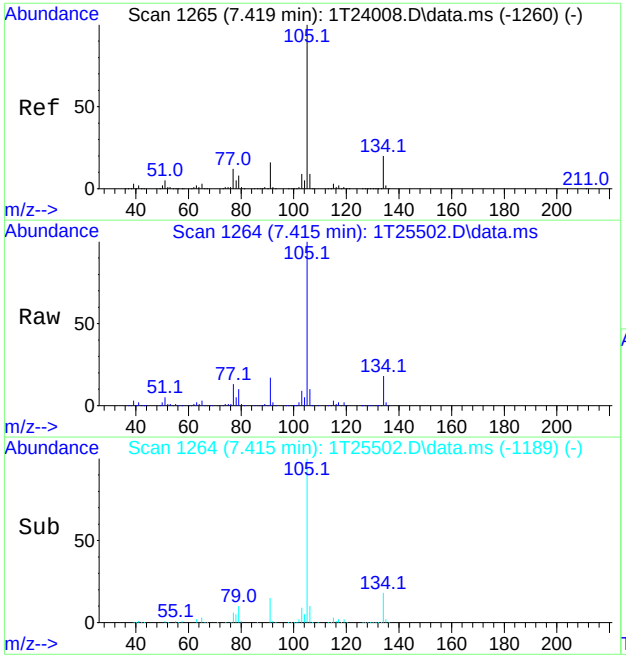


#107
1,2,4-trimethylbenzene
Concen: 61.0246 ug/L
RT: 7.362 min Scan# 1254
Delta R.T. 0.000 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion:105 Resp: 805656

Ion	Ratio	Lower	Upper
105	100		
120	44.3	15.8	75.8
119	11.6	0.0	42.2

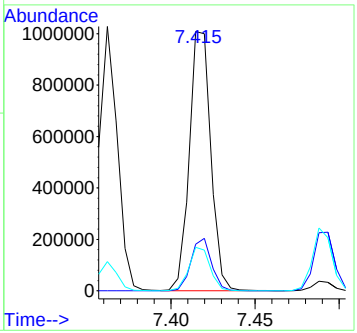


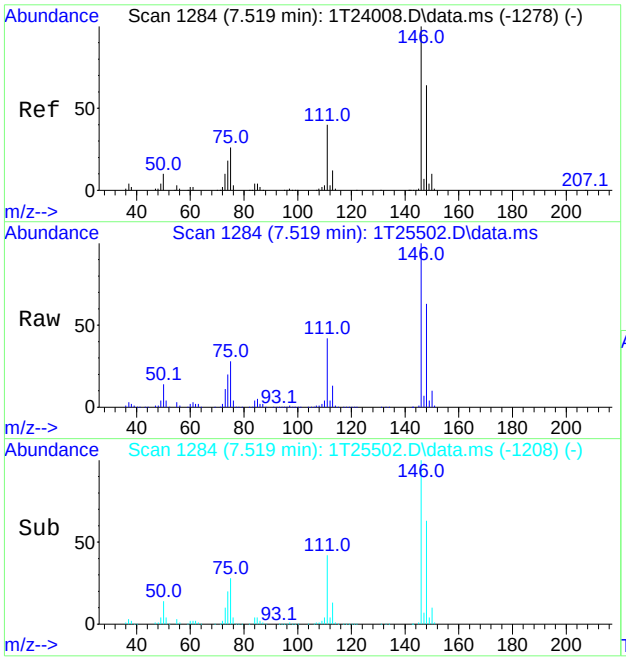


#108
sec-butylbenzene
Concen: 60.7832 ug/L
RT: 7.415 min Scan# 1264
Delta R.T. -0.005 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion:105 Resp: 899552

Ion	Ratio	Lower	Upper
105	100		
134	18.0	0.0	50.4
91	16.8	0.0	45.8

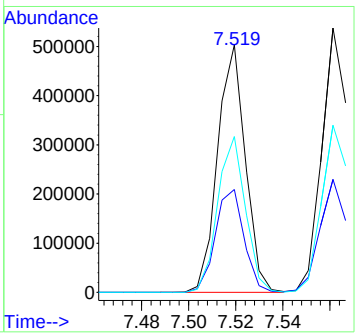


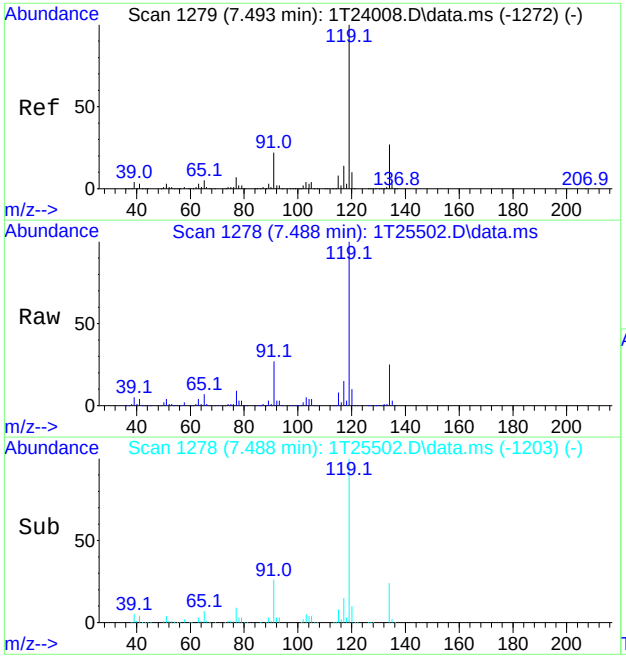


#109
1,3-dichlorobenzene
Concen: 51.9857 ug/L
RT: 7.519 min Scan# 1284
Delta R.T. 0.000 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion:146 Resp: 412497

Ion	Ratio	Lower	Upper
146	100		
111	41.6	9.6	69.6
148	63.0	33.7	93.7

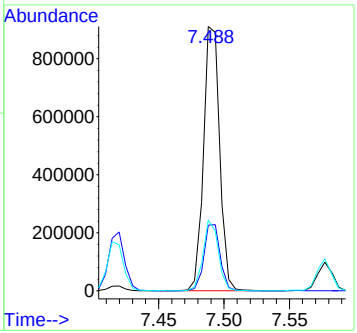


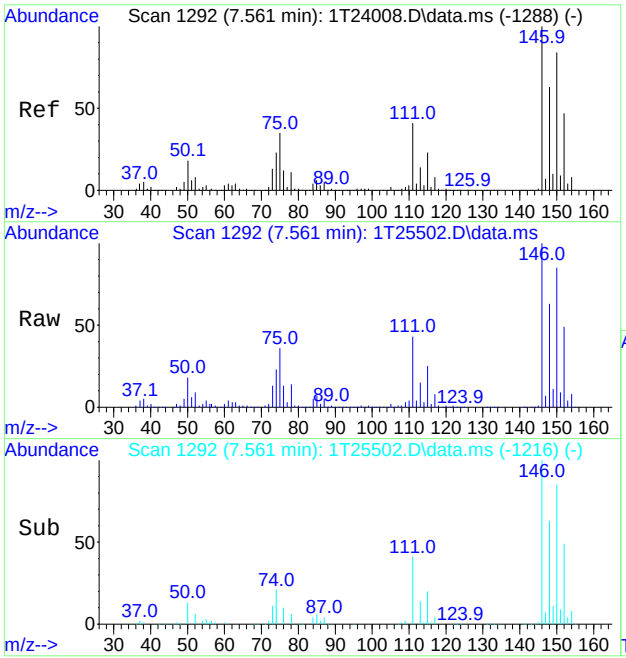


#110
p-isopropyltoluene
Concen: 61.5222 ug/L
RT: 7.488 min Scan# 1278
Delta R.T. -0.005 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion:119 Resp: 784966

Ion	Ratio	Lower	Upper
119	100		
134	24.8	0.0	56.8
91	26.7	0.0	52.2

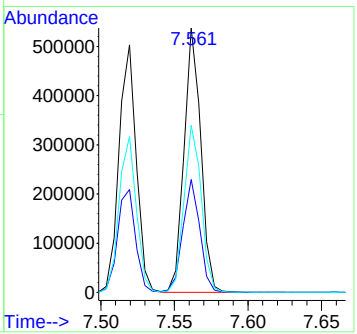


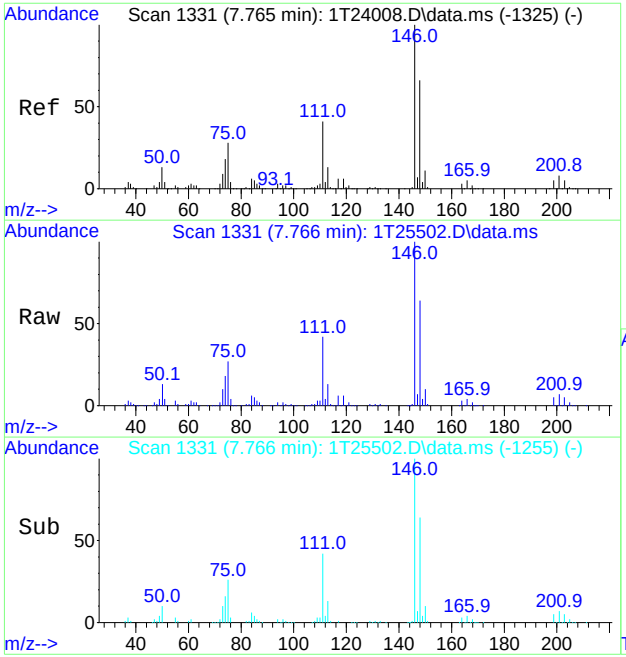


#111
1,4-dichlorobenzene
Concen: 50.0790 ug/L
RT: 7.561 min Scan# 1292
Delta R.T. 0.000 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion:146 Resp: 426871

Ion	Ratio	Lower	Upper
146	100		
111	42.7	10.8	70.8
148	63.1	33.2	93.2

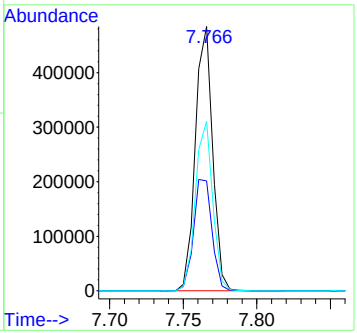


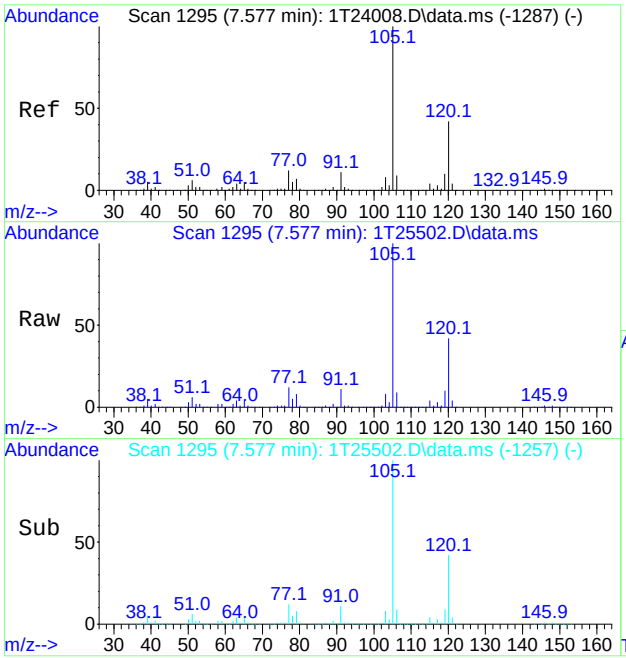


#112
1,2-dichlorobenzene
Concen: 51.1638 ug/L
RT: 7.766 min Scan# 1331
Delta R.T. 0.000 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion:146 Resp: 393638

Ion	Ratio	Lower	Upper
146	100		
111	41.6	11.3	71.3
148	64.2	36.2	96.2

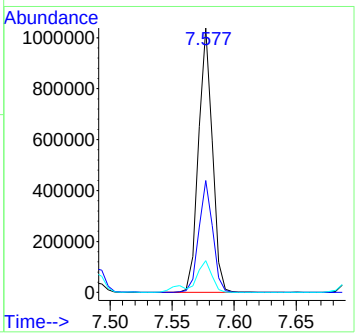


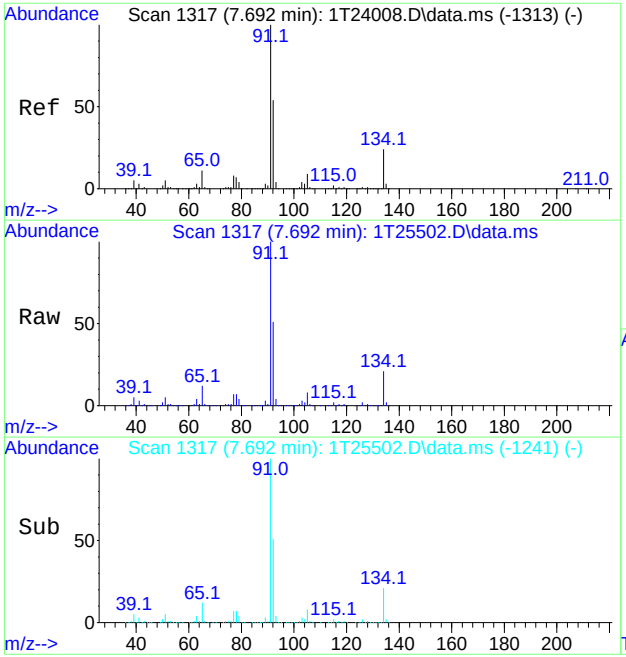


#113
1,2,3-trimethylbenzene
Concen: 54.8021 ug/L
RT: 7.577 min Scan# 1295
Delta R.T. 0.000 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion:105 Resp: 811660

Ion	Ratio	Lower	Upper
105	100		
120	42.3	12.2	72.2
77	12.0	0.0	41.7

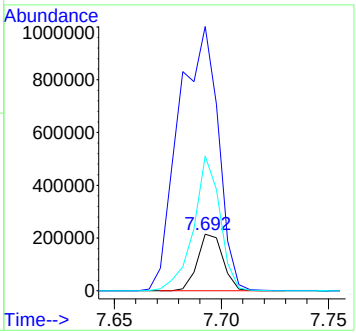


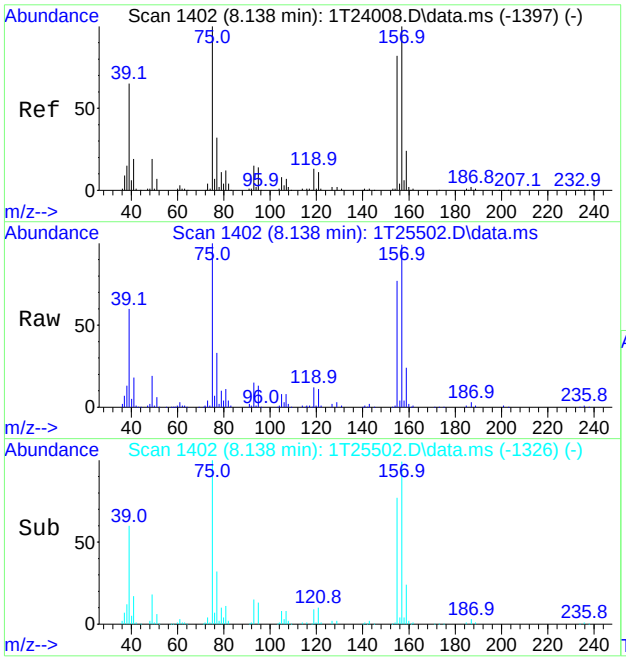


#114
n-butylbenzene
Concen: 58.0919 ug/L
RT: 7.692 min Scan# 1317
Delta R.T. 0.000 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion:134 Resp: 179055

Ion	Ratio	Lower	Upper
134	100		
91	465.6	429.9	489.9
92	237.5	199.0	259.0

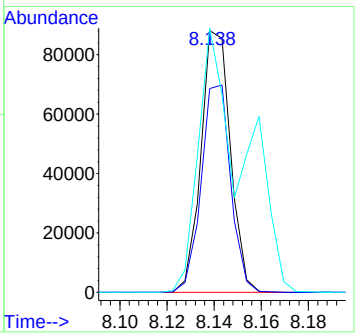


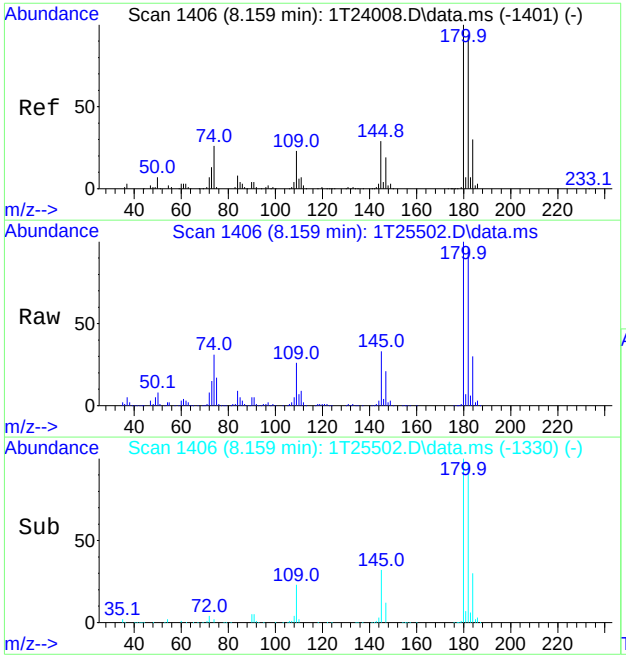


#115
1,2-dibromo-3-chloropropane
Concen: 49.2380 ug/L
RT: 8.138 min Scan# 1402
Delta R.T. 0.000 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion:157 Resp: 76625

Ion	Ratio	Lower	Upper
157	100		
155	77.8	51.9	111.9
75	101.0	70.0	130.0

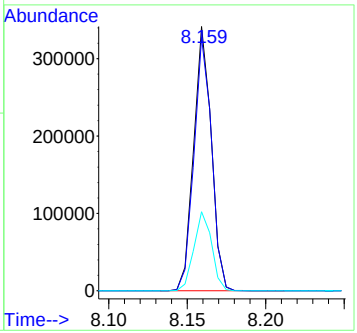


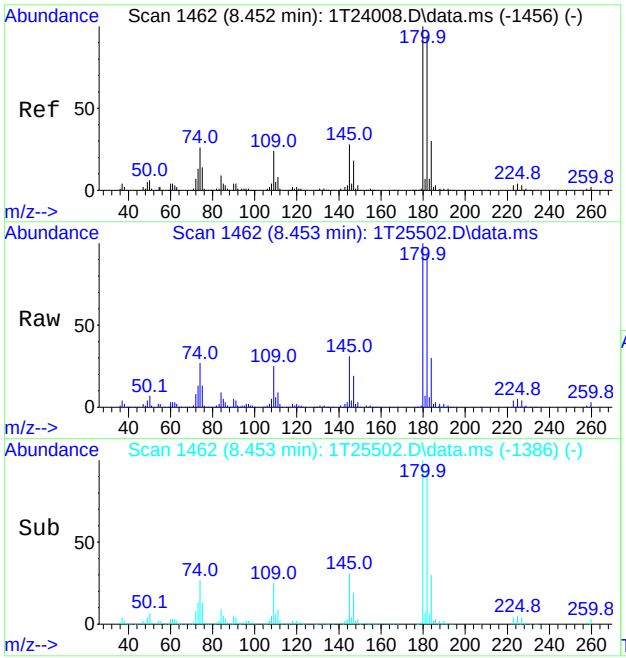


#116
1,3,5-trichlorobenzene
Concen: 52.8717 ug/L
RT: 8.159 min Scan# 1406
Delta R.T. 0.000 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion:180 Resp: 267138

Ion	Ratio	Lower	Upper
180	100		
182	95.8	73.5	113.5
184	29.9	10.1	50.1

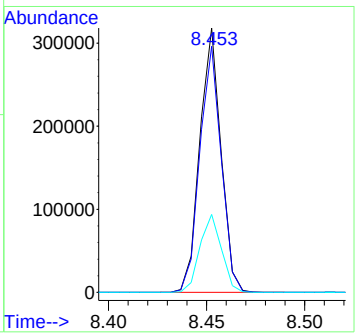


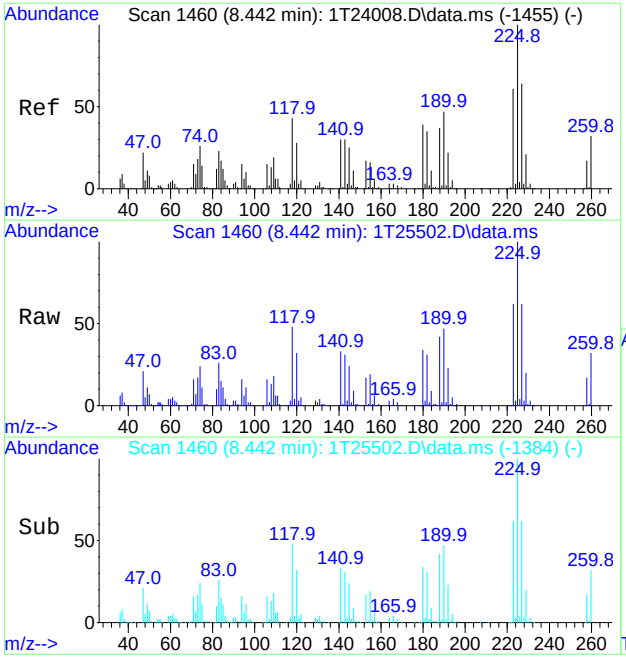


#117
1,2,4-trichlorobenzene
Concen: 54.8259 ug/L
RT: 8.453 min Scan# 1462
Delta R.T. 0.000 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion:180 Resp: 239102

Ion	Ratio	Lower	Upper
180	100		
182	93.0	64.0	124.0
184	29.5	0.0	59.7

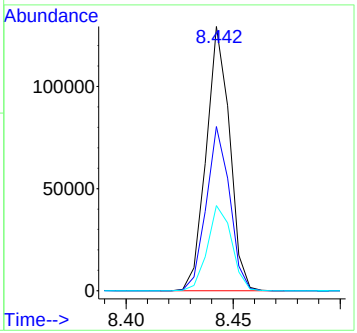


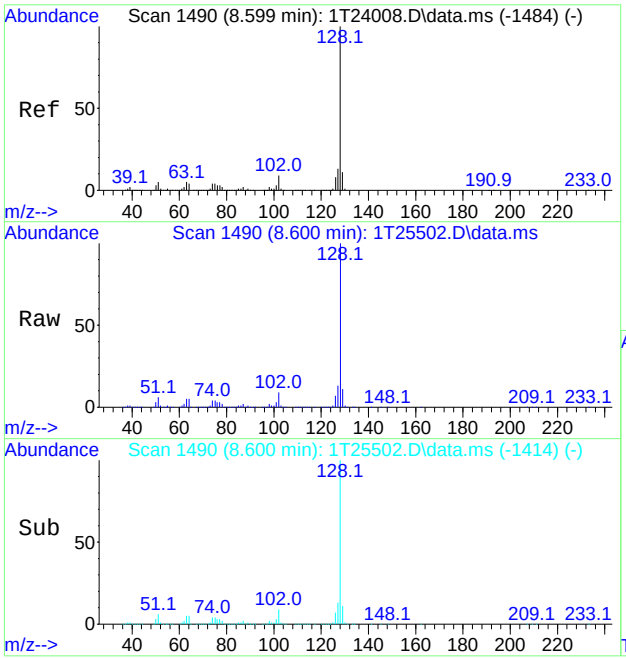


#118
hexachlorobutadiene
Concen: 53.7590 ug/L
RT: 8.442 min Scan# 1460
Delta R.T. 0.000 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion:225 Resp: 98725

Ion	Ratio	Lower	Upper
225	100		
227	62.1	34.1	94.1
260	32.2	1.5	61.5

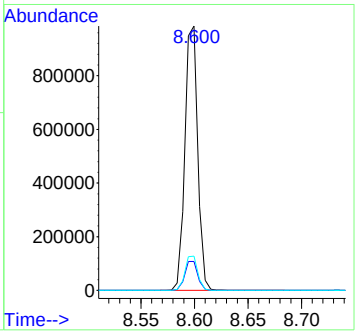


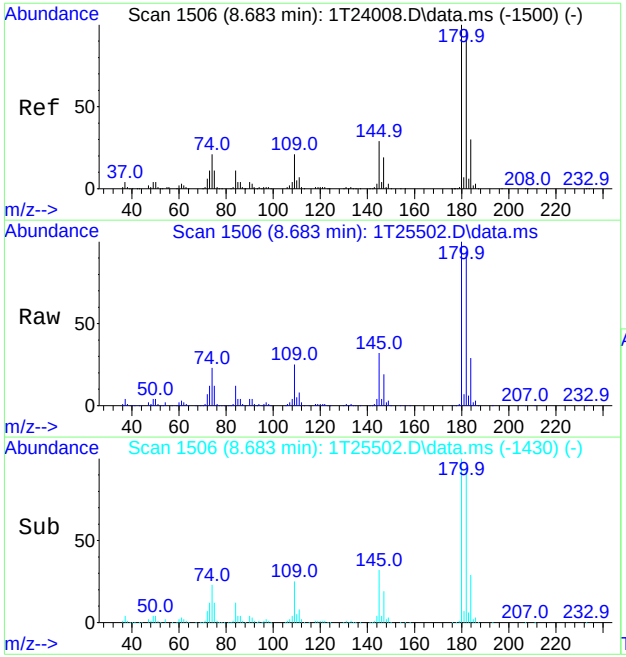


#119
naphthalene
Concen: 62.5380 ug/L
RT: 8.600 min Scan# 1490
Delta R.T. 0.000 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion:128 Resp: 823340

Ion	Ratio	Lower	Upper
128	100		
129	10.9	0.0	40.7
127	12.9	0.0	43.4

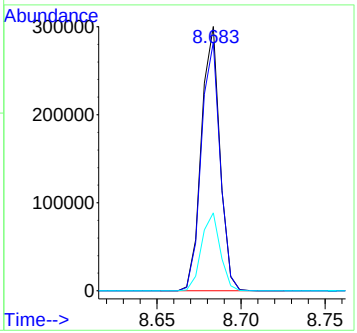


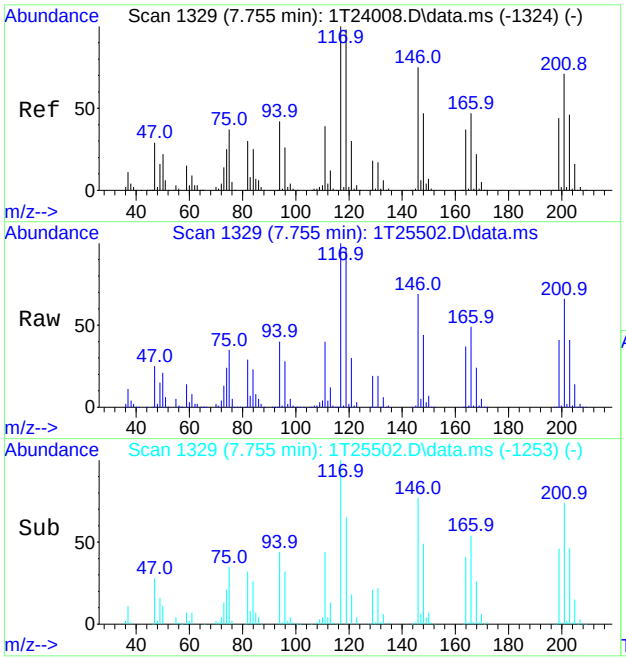


#120
1,2,3-trichlorobenzene
Concen: 55.6380 ug/L
RT: 8.683 min Scan# 1506
Delta R.T. 0.000 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion:180 Resp: 229989

Ion	Ratio	Lower	Upper
180	100		
182	94.0	66.5	126.5
184	29.5	0.0	59.6

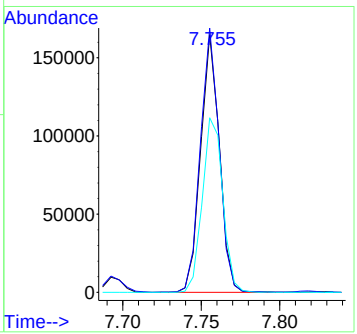




#121
hexachloroethane
Concen: 54.1969 ug/L
RT: 7.755 min Scan# 1329
Delta R.T. 0.000 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

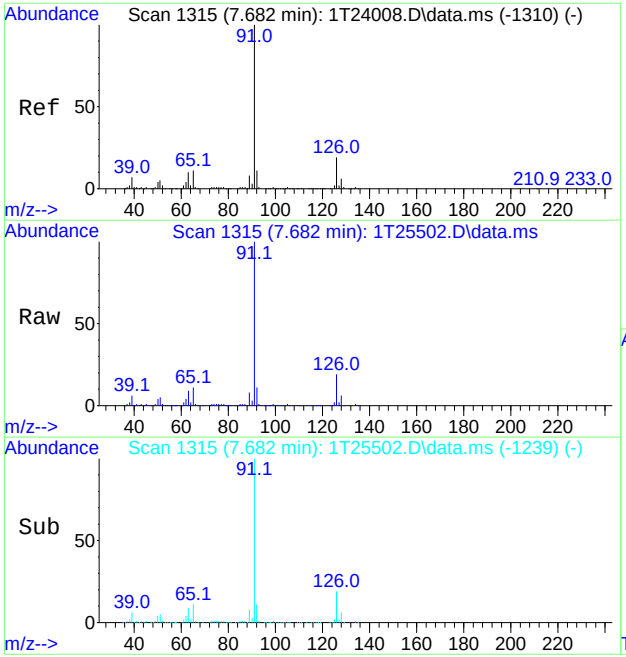
Tgt Ion:119 Resp: 137774

Ion	Ratio	Lower	Upper
119	100		
117	102.5	71.7	131.7
201	67.8	42.0	102.0



7.4.3

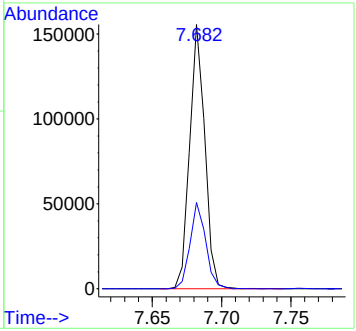
7

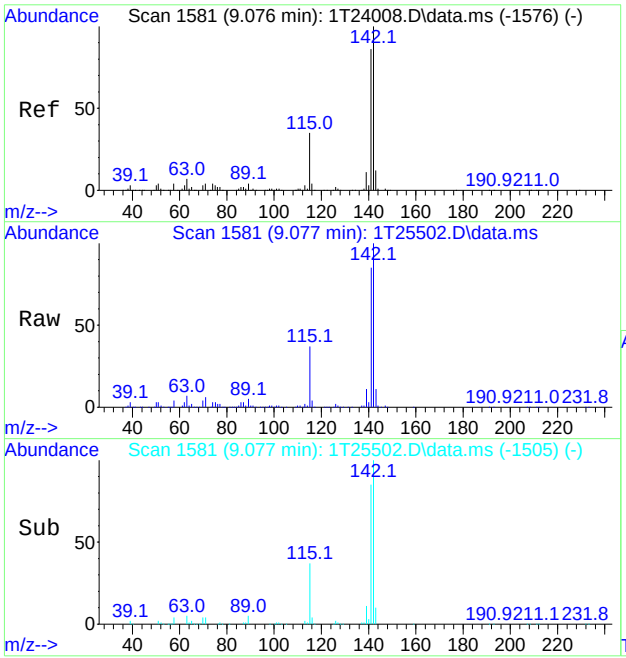


#122
benzyl chloride
Concen: 55.0713 ug/L
RT: 7.682 min Scan# 1315
Delta R.T. 0.000 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion:126 Resp: 118748

Ion	Ratio	Lower	Upper
126	100		
128	32.7	1.7	61.7

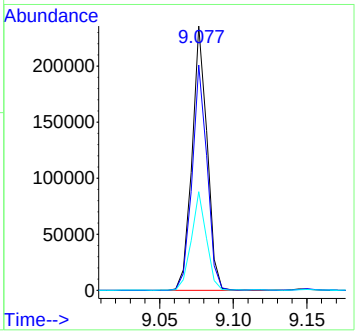




#123
2-methylnaphthalene
Concen: 24.6069 ug/L
RT: 9.077 min Scan# 1581
Delta R.T. 0.001 min
Lab File: 1T25502.D
Acq: 20 Oct 2025 04:23 pm

Tgt Ion:142 Resp: 168411

Ion	Ratio	Lower	Upper
142	100		
141	85.2	55.9	115.9
115	37.2	5.4	65.4



Manual Integration Approval Summary

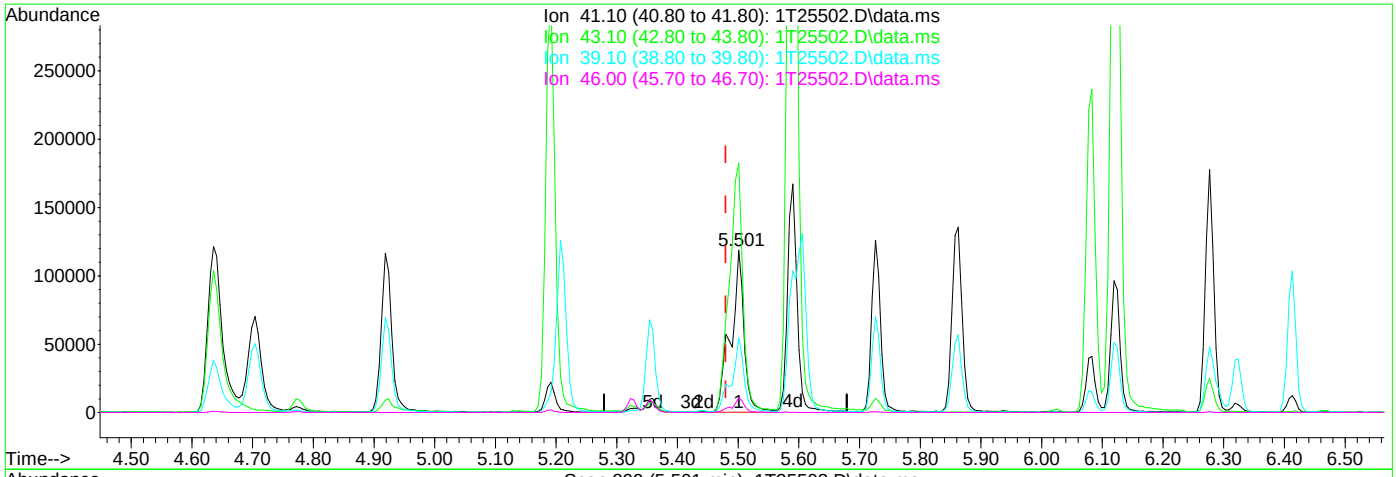
Sample Number:	JE21330-9MS	**Method:**	SW846 8260D
Lab FileID:	1T25502.D	**Analyst approved:**	10/21/25 22:50 Nizel Eugenio
Injection Time:	10/20/25 16:23	**Supervisor approved:**	10/21/25 22:56 Nizel Eugenio

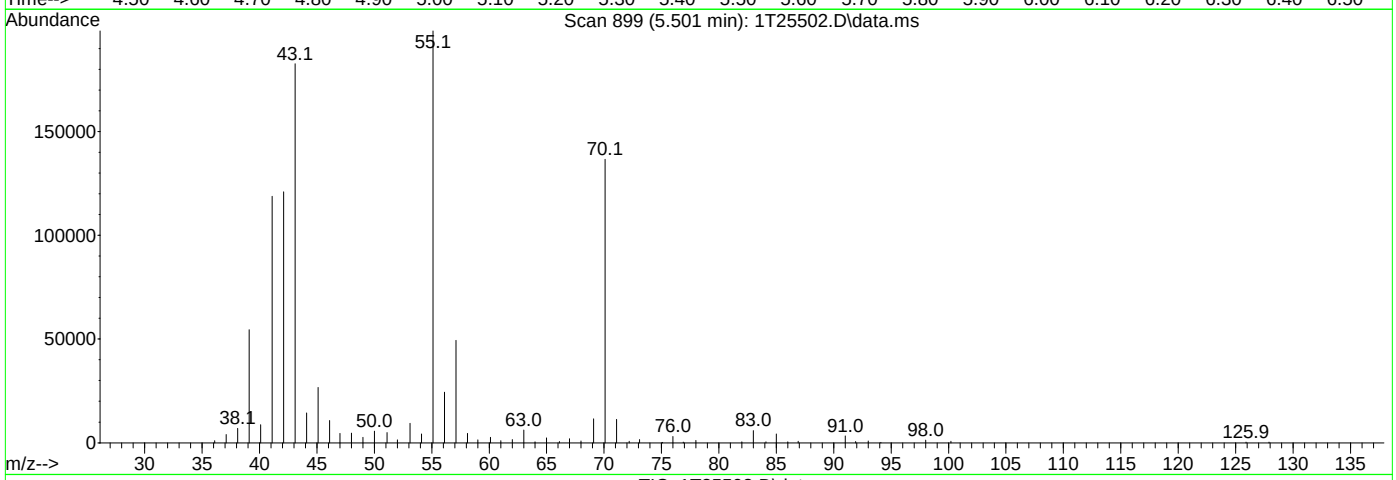
Parameter	CAS	Sig#	R.T. (min.)	Reason
2-Nitropropane	79-46-9		5.48	Overlapping peak

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\braianc\2025\10. October\20102025\V1T610\
Data File : 1T25502.D
Acq On : 20 Oct 2025 04:23 pm
Operator : edwardd
Sample : JE21330-9ms Inst : GCMST
Misc : MS98282,V1T0610,5,,,,25
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Oct 20 20:36:35 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 11:55:28 2025
Response via : Initial Calibration





TIC: 1T25502.D\data.ms

(61) 2-nitropropane

5.501min (+0.021) 133.50ug/L

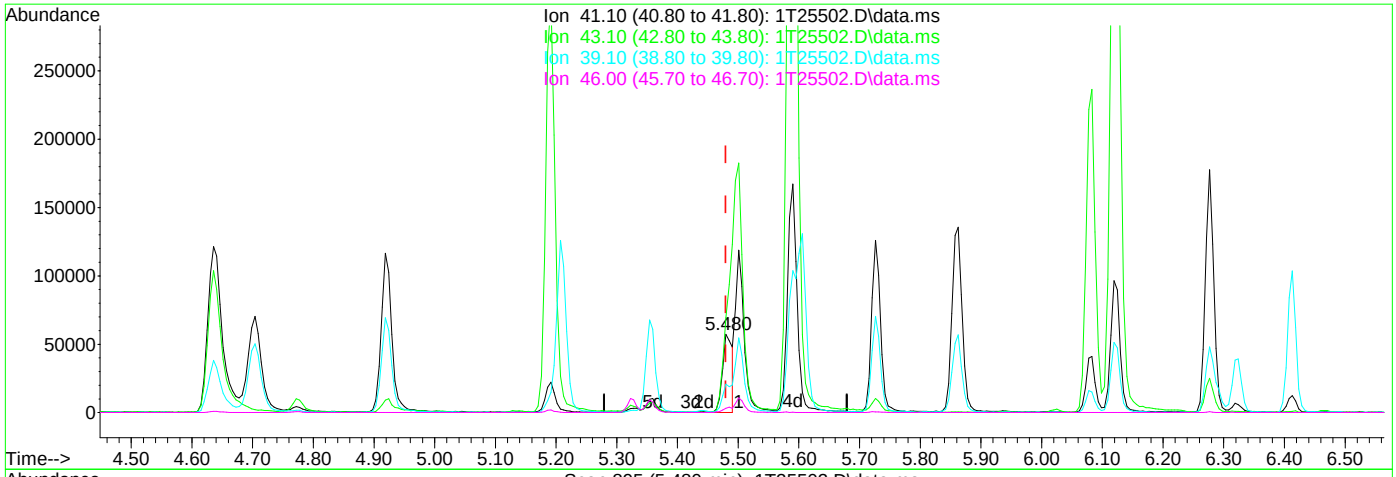
response 181659

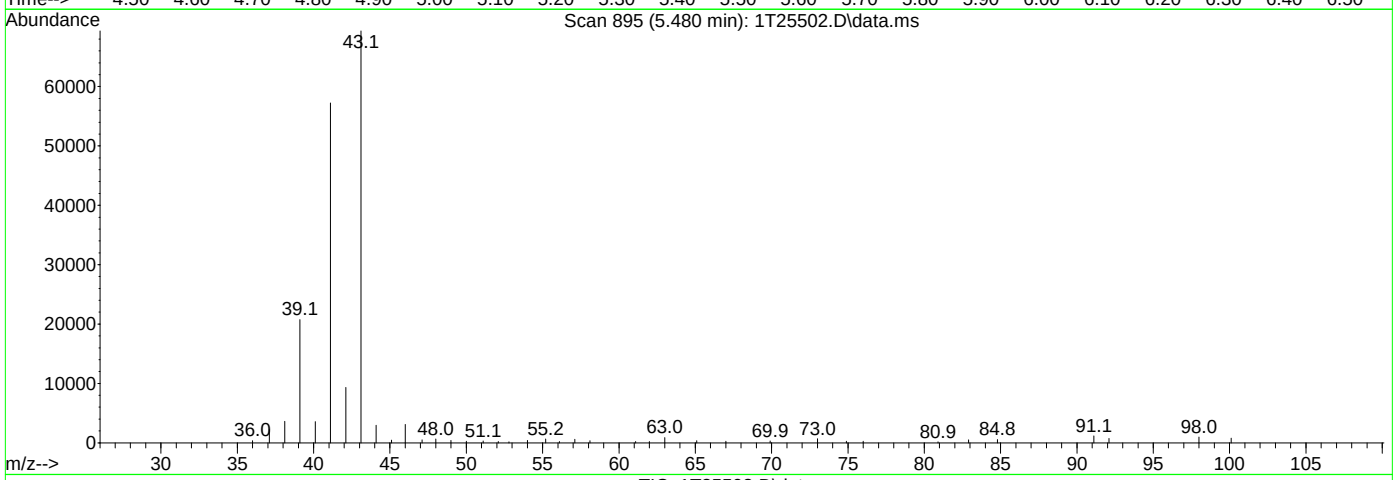
Ion	Exp%	Act%
41.10	100	100
43.10	126.20	153.86
39.10	41.90	45.25
46.00	7.20	9.11

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\braianc\2025\10. October\20102025\V1T610\
Data File : 1T25502.D
Acq On : 20 Oct 2025 04:23 pm
Operator : edwardd
Sample : JE21330-9ms Inst : GCMST
Misc : MS98282,V1T0610,5,,,,25
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Oct 20 20:36:35 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 11:55:28 2025
Response via : Initial Calibration





TIC: 1T25502.D\data.ms

(61) 2-nitropropane

5.480min (+0.000) 46.90ug/L m

response 63812

Ion	Exp%	Act%
41.10	100	100
43.10	126.20	121.26
39.10	41.90	36.28
46.00	7.20	5.42

Manual Integrations APPROVED (compounds with "m" flag)
Nizel Eugenio
10/21/25 22:56

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\andresa\10. October\20251021\v1t610\
Data File : 1T25504.D
Acq On : 20 Oct 2025 04:50 pm
Operator : edwardd
Sample : JE21330-9msd Inst : GCMST
Misc : MS98282,V1T0610,5,,,,25
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Oct 21 14:41:57 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 11:55:28 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	1.988	65	380498	500.00	ug/L	0.00
5) pentafluorobenzene	3.728	168	647574	50.00	ug/L	0.00
50) 1,4-difluorobenzene	4.310	114	1143771	50.00	ug/L	0.00
72) chlorobenzene-d5	6.282	117	915069	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	7.556	152	455775	50.00	ug/L	0.00
124) pentafluorobenzene(a)	3.728	168	647574	50.00	ug/L	0.00
132) 1,4-dichlorobenzene-d4(a)	7.556	152	455775	50.00	ug/L	0.00
System Monitoring Compounds						
42) dibromofluoromethane (s)	3.183	113	387614	50.60	ug/L	0.00
Spiked Amount 50.000	Range 75 - 127		Recovery = 101.20%			
51) 1,2-dichloroethane-d4 (s)	3.739	65	415317	48.59	ug/L	0.00
Spiked Amount 50.000	Range 75 - 130		Recovery = 97.18%			
73) toluene-d8 (s)	5.328	98	1281605	51.67	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 103.34%			
97) 4-bromofluorobenzene (s)	6.984	95	460931	54.68	ug/L	0.00
Spiked Amount 50.000	Range 79 - 127		Recovery = 109.36%			
Target Compounds						Qvalue
2) ethanol	1.469	45	235685	4285.8252	ug/L	96
3) tertiary butyl alcohol	2.035	59	166951	256.2875	ug/L	93
4) 1,4-dioxane	4.919	88	60387	1323.0149	ug/L	83
6) chlorodifluoromethane	0.897	51	194827	38.5857	ug/L	98
7) dichlorodifluoromethane	0.881	85	353787	58.4223	ug/L	98
8) chloromethane	0.971	50	242987	67.8792	ug/L	97
9) vinyl chloride	1.002	62	295483	60.6403	ug/L	99
10) 1,3-butadiene	1.007	39	130431	38.9121	ug/L	92
11) bromomethane	1.144	96	98732	34.3938	ug/L #	96
12) chloroethane	1.201	64	131671	29.8948	ug/L	97
13) trichlorofluoromethane	1.264	101	448771	41.2107	ug/L	100
14) ethyl ether	1.406	74	105266	41.0293	ug/L	98
15) acrolein	1.678	56	44278	45.7250	ug/L	97
16) freon 113	1.526	151	152591	43.8790	ug/L	97
17) 1,1-dichloroethene	1.505	61	285660	40.4886	ug/L	96
18) acetone	1.841	58	98596	162.4470	ug/L	94
19) acetonitrile	2.124	41	305096	549.7549	ug/L	96
20) iodomethane	1.589	142	115691	45.0067	ug/L	93
21) carbon disulfide	1.532	76	483858	36.1726	ug/L	98
22) methylene chloride	1.820	84	211581	41.4235	ug/L	97
23) methyl acetate	1.914	74	41060	42.5050	ug/L	98
24) methyl tert butyl ether	1.983	73	558643	51.7347	ug/L	97
25) trans-1,2-dichloroethene	1.909	96	218974	45.6344	ug/L	94
26) hexane	1.967	57	365603	59.0777	ug/L	99
27) di-isopropyl ether	2.239	45	495223	61.6958	ug/L	95
28) ethyl tert-butyl ether	2.517	59	575591	54.2962	ug/L	98
29) 2-butanone	3.309	72	147684	208.2716	ug/L	98
30) 1,1-dichloroethane	2.318	63	386328	53.5781	ug/L	99
31) chloroprene	2.302	53	308574	51.1175	ug/L	97
32) acrylonitrile	2.350	52	78738	54.8042	ug/L	98
33) vinyl acetate	2.512	86	52603	47.6944	ug/L #	84
34) ethyl acetate	3.141	70	34416	52.4356	ug/L	91
35) 2,2-dichloropropane	2.842	77	359291	60.7543	ug/L	99
36) cis-1,2-dichloroethene	2.743	96	305138	72.2073	ug/L	96
37) propionitrile	3.608	54	421495	554.1364	ug/L	98
38) methyl acrylate	3.141	85	43518	49.0394	ug/L #	87
39) bromochloromethane	2.921	128	112838	52.5903	ug/L	93
40) tetrahydrofuran	3.152	71	35504	51.3848	ug/L	94

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\andresa\10. October\20251021\v1t610\
Data File : 1T25504.D
Acq On : 20 Oct 2025 04:50 pm
Operator : edwardd
Sample : JE21330-9msd Inst : GCMST
Misc : MS98282,V1T0610,5,,,,25
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Oct 21 14:41:57 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 11:55:28 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) chloroform	3.005	47	88552	44.7106	ug/L		97
43) methacrylonitrile	3.634	67	99027	48.2695	ug/L		97
44) 1,1,1-trichloroethane	3.199	97	386566	58.0622	ug/L		95
45) cyclohexane	2.932	84	334340	55.8792	ug/L		92
46) 1,1-dichloropropene	3.330	75	307308	54.4823	ug/L		97
47) carbon tetrachloride	3.136	117	344637	58.4219	ug/L		96
48) isobutyl alcohol	3.938	43	101155	635.8545	ug/L		93
49) tert-amyl alcohol	4.043	55	62535	290.2136	ug/L		95
52) iso-octane	3.472	57	519472	60.1723	ug/L		93
53) benzene	3.592	78	842829	56.3148	ug/L		98
54) tert-amyl methyl ether	3.770	73	545258	54.9852	ug/L		98
55) heptane	3.613	57	96631	57.5083	ug/L		97
56) isopropyl acetate	4.190	87	56109	46.9426	ug/L	#	88
57) 1,2-dichloroethane	3.818	62	300288	46.1252	ug/L		98
58) n-butyl alcohol	4.636	56	387400	3346.9897	ug/L		93
59) ethyl acrylate	4.772	55	275657	58.5130	ug/L		98
60) trichloroethene	4.269	130	233877	57.2393	ug/L		96
61) 2-nitropropane	5.485	41	68032m	46.8675	ug/L		
62) 2-chloroethyl vinyl ether	5.191	63	631534	230.6019	ug/L		99
63) methyl methacrylate	4.924	100	65123	54.5319	ug/L		89
64) 1,2-dichloropropane	4.704	63	215124	56.2872	ug/L		98
65) methylcyclohexane	4.253	98	158050	55.2723	ug/L	#	89
66) dibromomethane	4.620	93	154997	48.0288	ug/L		98
67) bromodichloromethane	4.772	83	321643	52.7397	ug/L		99
68) epichlorohydrin	5.364	57	151120	269.5310	ug/L		97
69) cis-1,3-dichloropropene	5.212	75	358174	52.0932	ug/L		96
70) 4-methyl-2-pentanone	5.590	58	382246	227.2161	ug/L		93
71) 3-methyl-1-butanol	5.501	70	162177	1186.6397	ug/L		93
74) toluene	5.354	92	531386	54.8319	ug/L		99
75) ethyl methacrylate	5.726	69	250187	60.4103	ug/L		97
76) trans-1,3-dichloropropene	5.606	75	341273	59.7768	ug/L		98
77) 1,1,2-trichloroethane	5.700	83	166036	57.1525	ug/L		94
78) tetrachloroethene	5.579	166	223584	55.2479	ug/L		97
79) 2-hexanone	6.125	58	394060	258.8375	ug/L		97
80) 1,3-dichloropropane	5.862	76	351373	59.3773	ug/L		100
81) butyl acetate	6.083	56	134678	65.5477	ug/L		92
82) dibromochloromethane	5.805	129	240154	54.5379	ug/L		98
83) 1,2-dibromoethane	5.941	107	218566	57.1394	ug/L		98
84) n-butyl ether	6.277	57	814904	63.7794	ug/L		100
85) chlorobenzene	6.292	112	580393	51.7172	ug/L		99
86) 1,1,1,2-tetrachloroethane	6.340	131	208796	53.6335	ug/L		96
87) ethylbenzene	6.324	91	998303	55.5293	ug/L		99
88) m,p-xylene	6.413	106	792123	114.3197	ug/L		100
89) o-xylene	6.659	106	370187	57.6790	ug/L		96
90) styrene	6.691	104	620263	59.9453	ug/L		98
91) bromoform	6.696	173	158420	47.2479	ug/L		99
92) butyl acrylate	6.780	55	383785	63.2282	ug/L		99
93) n-amyl acetate	6.922	70	158289	61.2374	ug/L		98
94) isopropylbenzene	6.838	105	958854	58.7840	ug/L		99
95) cis-1,4-dichloro-2-butene	7.021	88	91425	46.1245	ug/L		97
98) bromobenzene	7.037	156	223547	50.0423	ug/L		96
99) 1,1,2,2-tetrachloroethane	7.100	83	276645	50.2423	ug/L		99
100) trans-1,4-dichloro-2-b...	7.184	53	66580	47.0942	ug/L		98
101) 1,2,3-trichloropropane	7.163	110	99660	50.8981	ug/L		99
102) n-propylbenzene	7.063	91	1160511	58.7154	ug/L		100
103) 2-chlorotoluene	7.136	126	216984	53.9131	ug/L		93
104) 4-chlorotoluene	7.220	91	724135	57.7768	ug/L		97
105) 1,3,5-trimethylbenzene	7.168	105	849131	61.9882	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\andresa\10. October\20251021\v1t610\
Data File : 1T25504.D
Acq On : 20 Oct 2025 04:50 pm
Operator : edwardd
Sample : JE21330-9msd Inst : GCMST
Misc : MS98282,V1T0610,5,,,,25
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Oct 21 14:41:57 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 11:55:28 2025
Response via : Initial Calibration

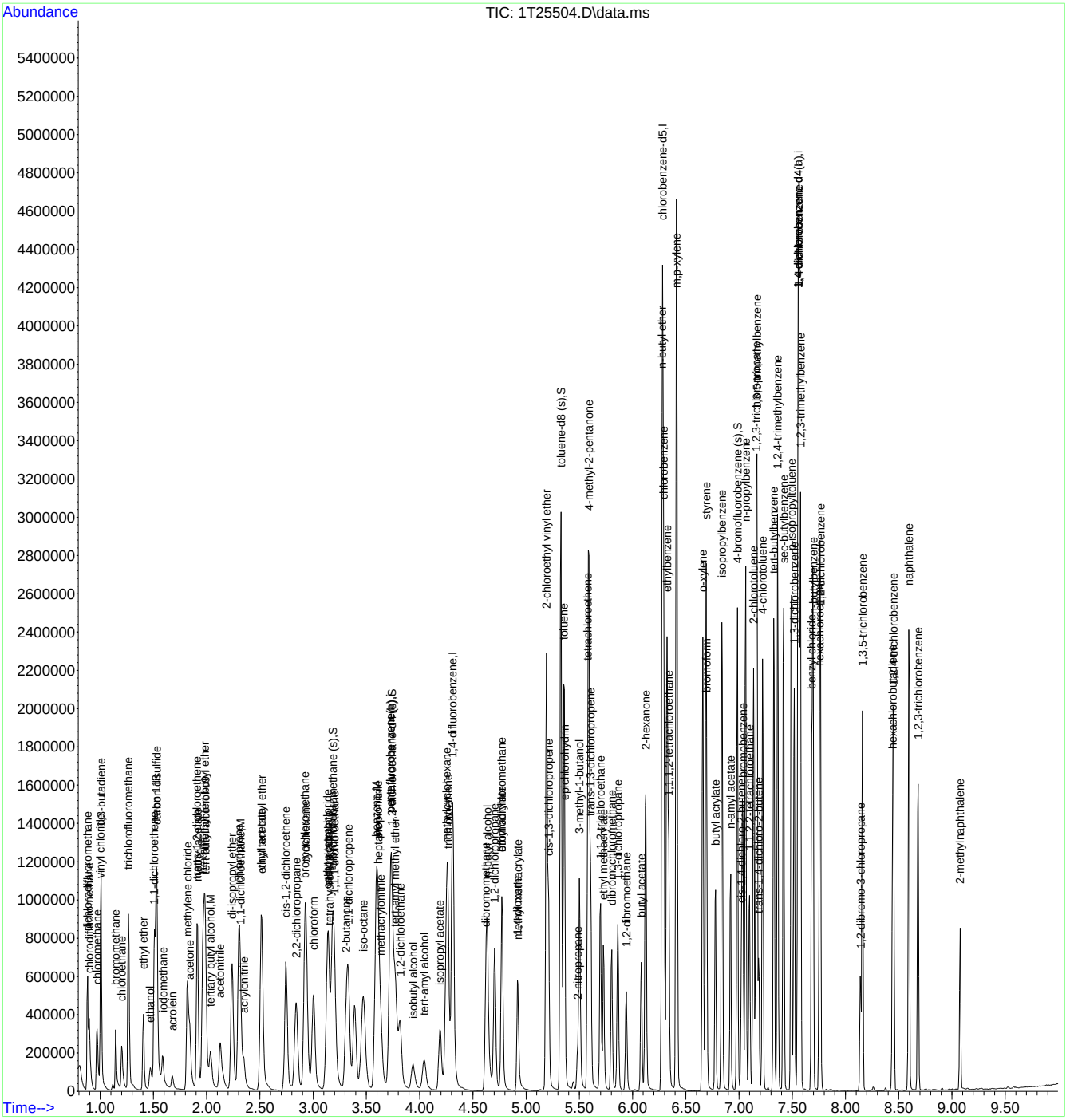
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
106) tert-butylbenzene	7.325	119	663504	61.2262	ug/L		98
107) 1,2,4-trimethylbenzene	7.362	105	860180	62.1579	ug/L		98
108) sec-butylbenzene	7.420	105	967723	62.3821	ug/L		99
109) 1,3-dichlorobenzene	7.519	146	439157	52.8002	ug/L		97
110) p-isopropyltoluene	7.493	119	846912	63.3245	ug/L		98
111) 1,4-dichlorobenzene	7.561	146	455266	50.9537	ug/L		96
112) 1,2-dichlorobenzene	7.766	146	422653	52.4085	ug/L		97
113) 1,2,3-trimethylbenzene	7.577	105	868040	55.9133	ug/L		99
114) n-butylbenzene	7.698	134	191896	59.3947	ug/L	#	64
115) 1,2-dibromo-3-chloropr...	8.143	157	83014	50.8901	ug/L		83
116) 1,3,5-trichlorobenzene	8.159	180	284445	53.7079	ug/L		98
117) 1,2,4-trichlorobenzene	8.453	180	257792	56.3928	ug/L		95
118) hexachlorobutadiene	8.442	225	106216	55.1781	ug/L		100
119) naphthalene	8.594	128	893277	64.7296	ug/L		99
120) 1,2,3-trichlorobenzene	8.683	180	245158	56.5799	ug/L		99
121) hexachloroethane	7.755	119	146548	54.9970	ug/L		96
122) benzyl chloride	7.682	126	125457	55.5067	ug/L		99
123) 2-methylnaphthalene	9.076	142	190553	26.4544	ug/L		99

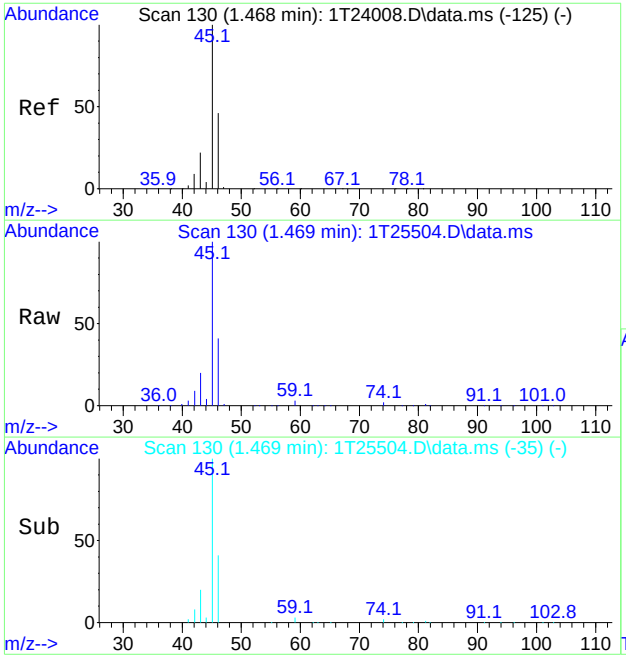
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\andresa\10. October\20251021\v1t610\
Data File : 1T25504.D
Acq On : 20 Oct 2025 04:50 pm
Operator : edwardd
Sample : JE21330-9msd Inst : GCMST
Misc : MS98282,V1T0610,5,,,,25
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Oct 21 14:41:57 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 11:55:28 2025
Response via : Initial Calibration

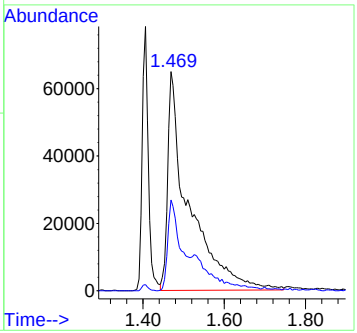


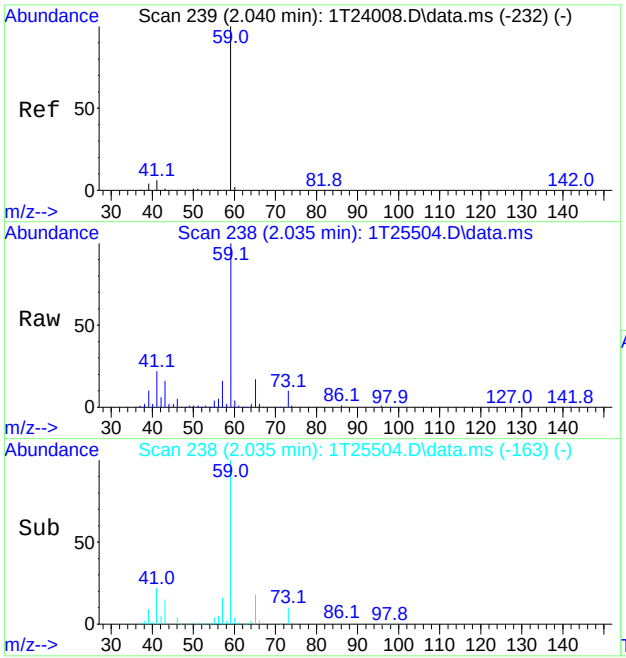


#2
ethanol
Concen: 4285.8252 ug/L
RT: 1.469 min Scan# 130
Delta R.T. 0.001 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion: 45 Resp: 235685

Ion	Ratio	Lower	Upper
45	100		
46	41.7	24.5	64.5

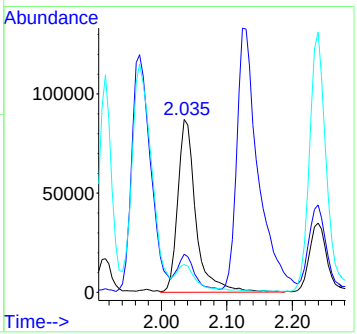


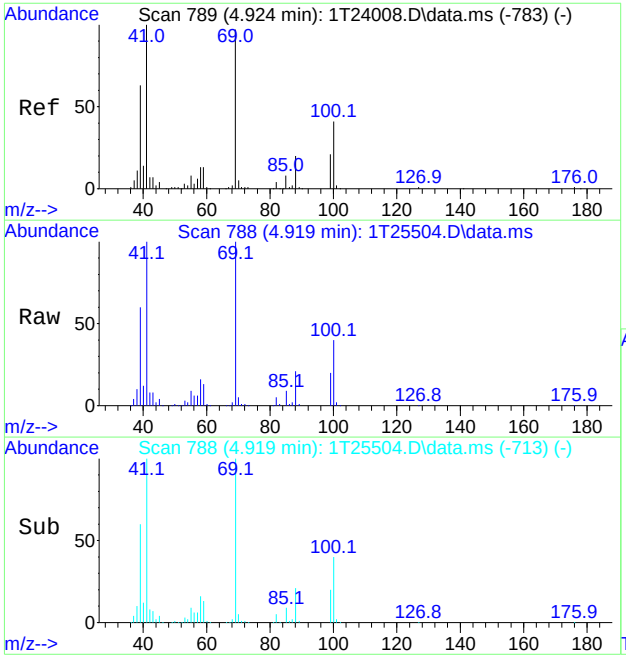


#3
tertiary butyl alcohol
Concen: 256.2875 ug/L
RT: 2.035 min Scan# 238
Delta R.T. -0.005 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion: 59 Resp: 166951

Ion	Ratio	Lower	Upper
59	100		
41	10.4	0.0	43.1
43	15.5	0.0	48.5

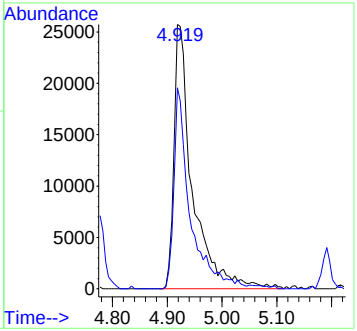


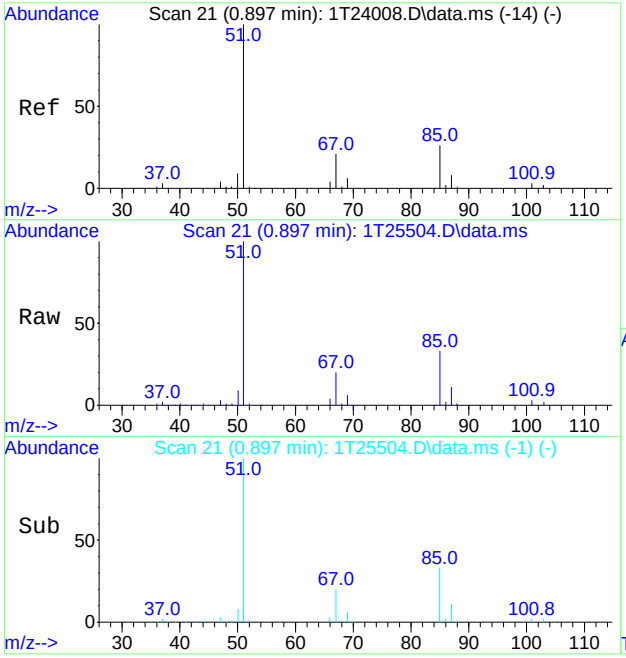


#4
1,4-dioxane
Concen: 1323.0149 ug/L
RT: 4.919 min Scan# 788
Delta R.T. -0.005 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion: 88 Resp: 60387

Ion	Ratio	Lower	Upper
88	100		
58	76.0	43.0	83.0

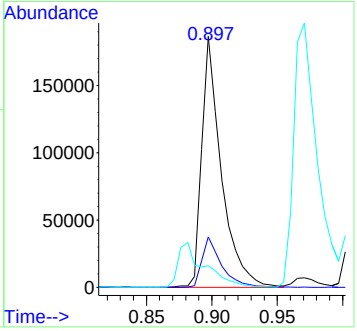


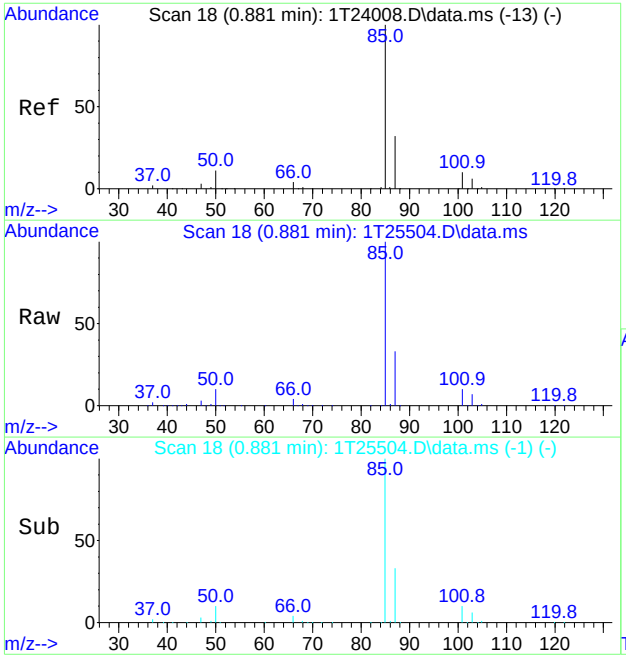


#6
chlorodifluoromethane
Concen: 38.5857 ug/L
RT: 0.897 min Scan# 21
Delta R.T. 0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion: 51 Resp: 194827

Ion	Ratio	Lower	Upper
51	100		
67	20.1	0.0	51.0
50	8.6	0.0	38.8

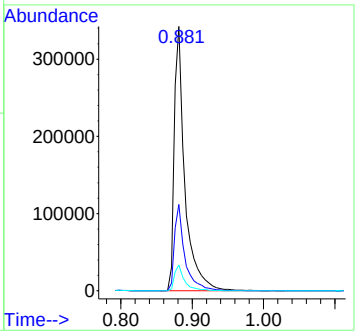


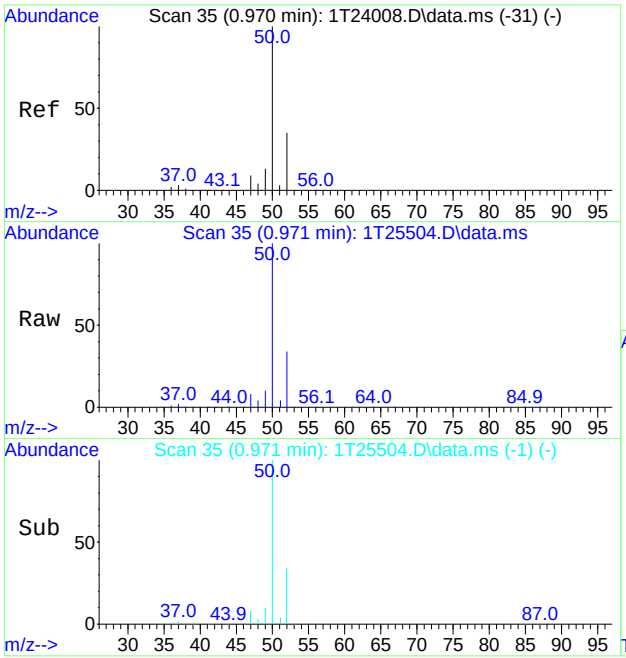


#7
dichlorodifluoromethane
Concen: 58.4223 ug/L
RT: 0.881 min Scan# 18
Delta R.T. 0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion: 85 Resp: 353787

Ion	Ratio	Lower	Upper
85	100		
87	32.7	1.6	61.6
101	9.8	0.0	39.6

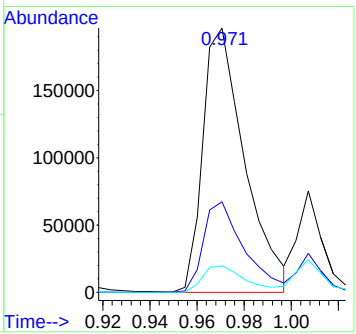


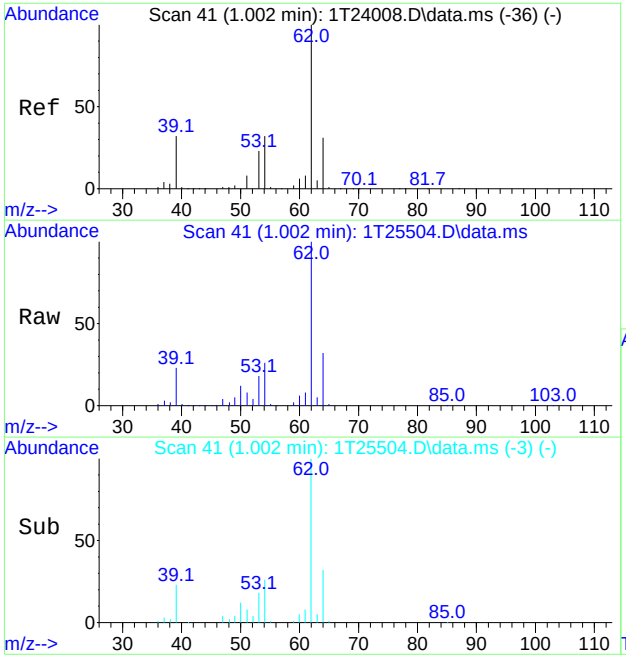


#8
chloromethane
Concen: 67.8792 ug/L
RT: 0.971 min Scan# 35
Delta R.T. 0.001 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion: 50 Resp: 242987

Ion	Ratio	Lower	Upper
50	100		
52	34.4	5.4	65.4
49	10.1	0.0	42.5

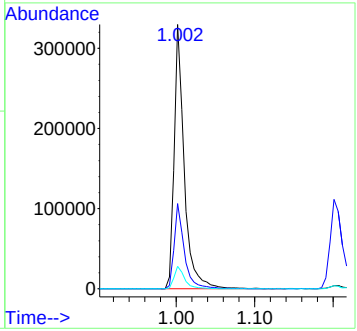


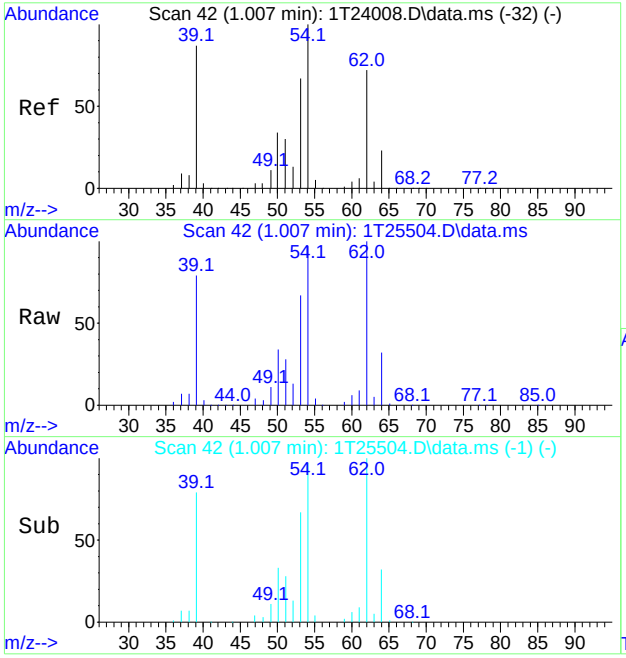


#9
vinyl chloride
Concen: 60.6403 ug/L
RT: 1.002 min Scan# 41
Delta R.T. 0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion: 62 Resp: 295483

Ion	Ratio	Lower	Upper
62	100		
64	32.2	1.5	61.5
61	8.5	0.0	38.2

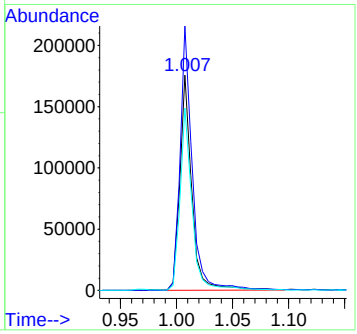


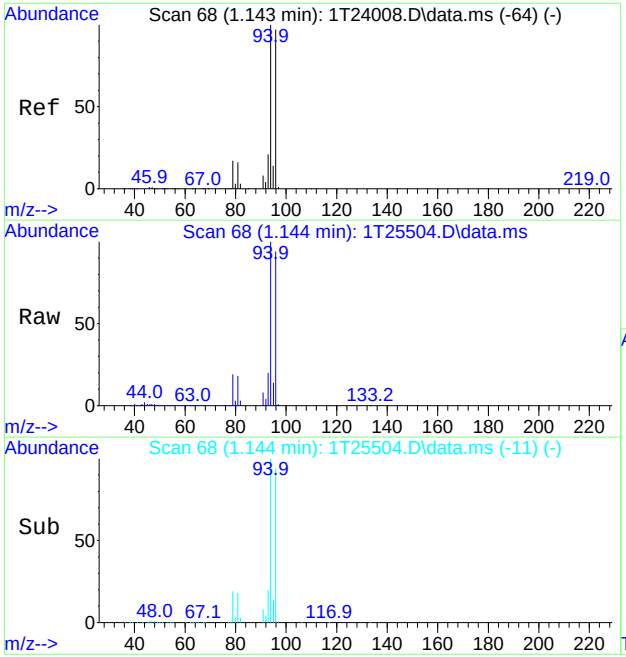


#10
1,3-butadiene
Concen: 38.9121 ug/L
RT: 1.007 min Scan# 42
Delta R.T. 0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion: 39 Resp: 130431

Ion	Ratio	Lower	Upper
39	100		
54	123.0	84.6	144.6
53	84.7	47.3	107.3

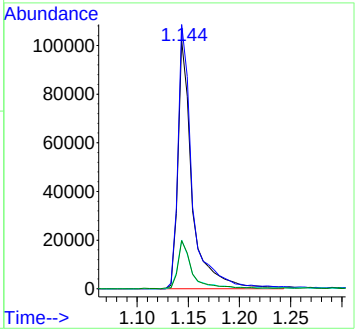


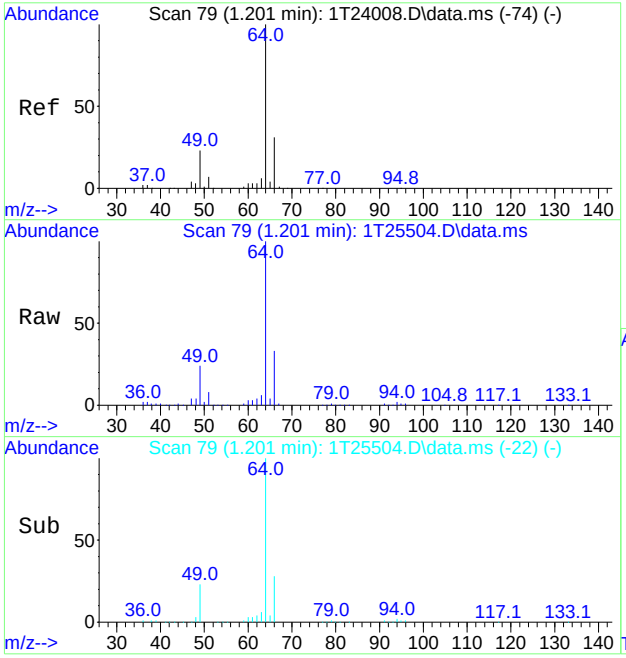


#11
bromomethane
Concen: 34.3938 ug/L
RT: 1.144 min Scan# 68
Delta R.T. 0.001 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion: 96 Resp: 98732

Ion	Ratio	Lower	Upper
96	100		
94	106.5	73.2	133.2
79	19.5	17.3	17.3#
81	19.5	0.0	36.8

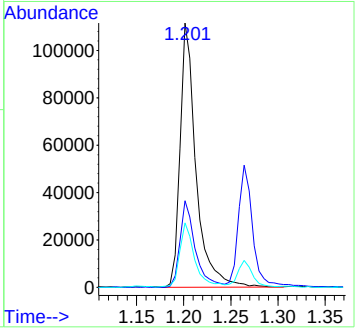


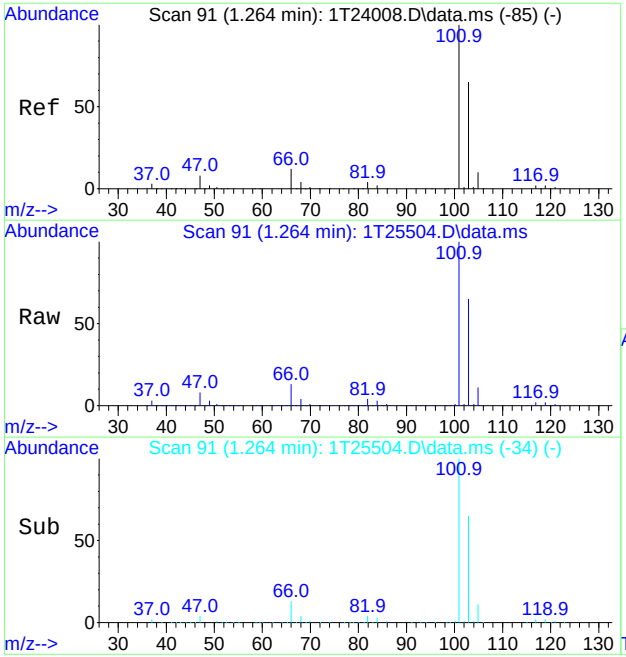


#12
chloroethane
Concen: 29.8948 ug/L
RT: 1.201 min Scan# 79
Delta R.T. 0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion: 64 Resp: 131671

Ion	Ratio	Lower	Upper
64	100		
66	32.8	0.9	60.9
49	24.2	0.0	52.7

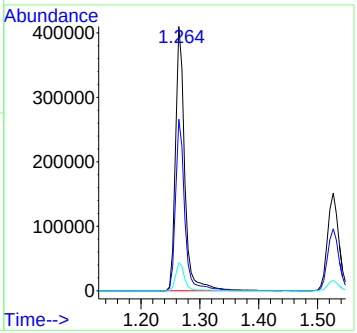


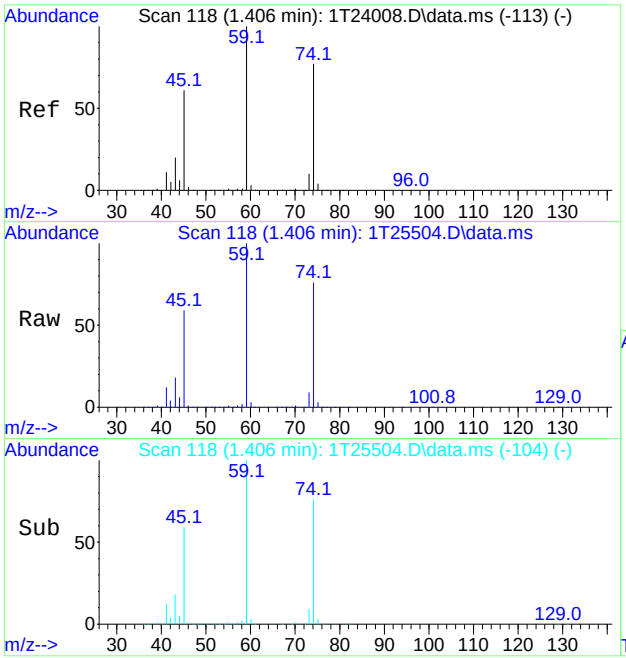


#13
trichlorofluoromethane
Concen: 41.2107 ug/L
RT: 1.264 min Scan# 91
Delta R.T. 0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion:101 Resp: 448771

Ion	Ratio	Lower	Upper
101	100		
103	64.8	34.8	94.8
105	10.6	0.0	40.0

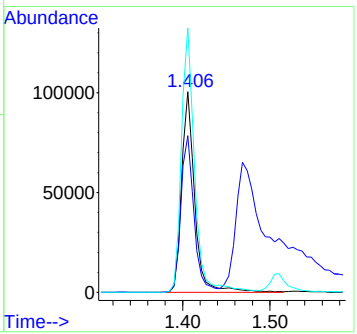


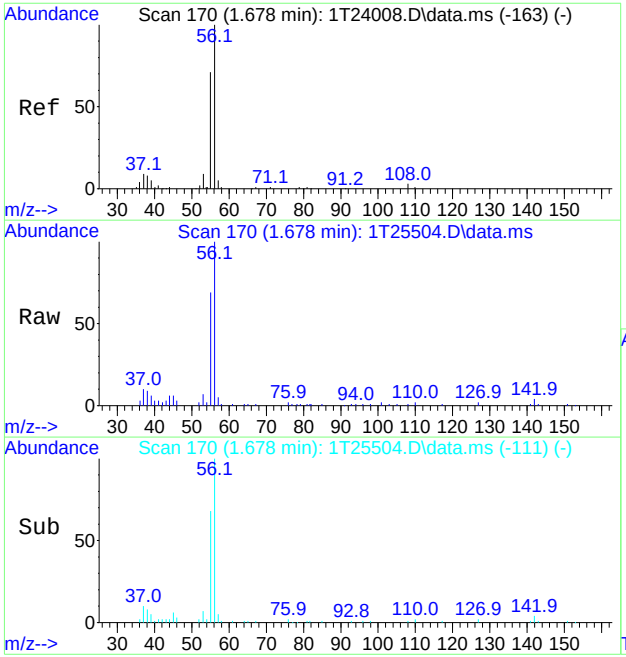


#14
ethyl ether
Concen: 41.0293 ug/L
RT: 1.406 min Scan# 118
Delta R.T. -0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion: 74 Resp: 105266

Ion	Ratio	Lower	Upper
74	100		
45	78.2	48.9	108.9
59	131.8	99.2	159.2

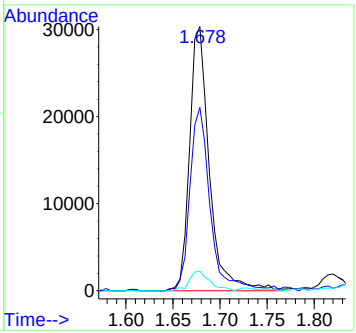


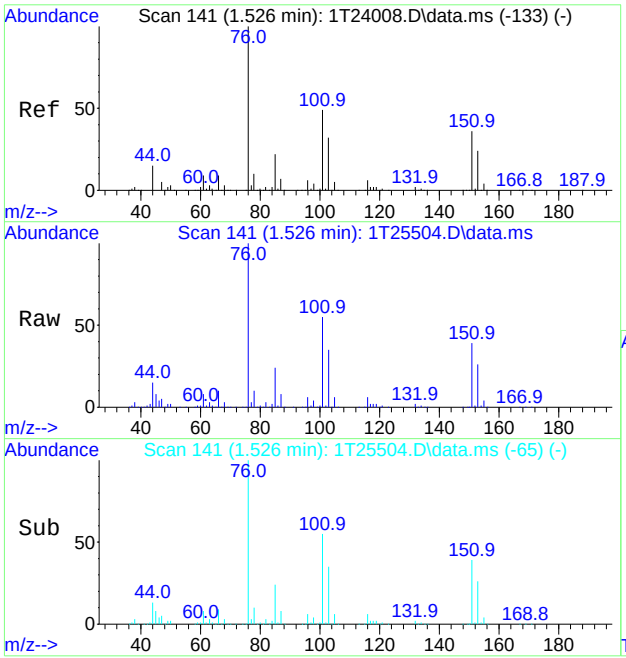


#15
acrolein
Concen: 45.7250 ug/L
RT: 1.678 min Scan# 170
Delta R.T. 0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion: 56 Resp: 44278

Ion	Ratio	Lower	Upper
56	100		
55	69.3	41.3	101.3
53	7.5	0.0	38.7

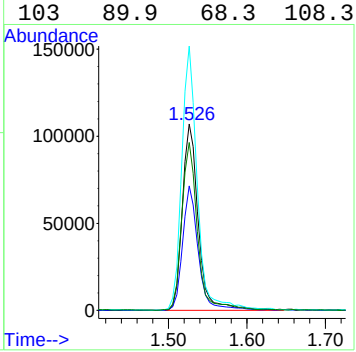


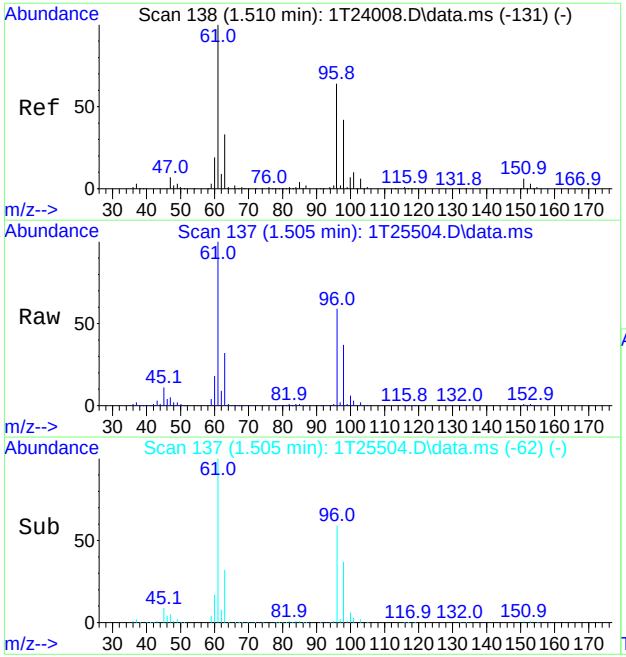


#16
freon 113
Concen: 43.8790 ug/L
RT: 1.526 min Scan# 141
Delta R.T. 0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion:151 Resp: 152591

Ion	Ratio	Lower	Upper
151	100		
153	66.8	46.1	86.1
101	141.7	116.7	156.7
103	89.9	68.3	108.3

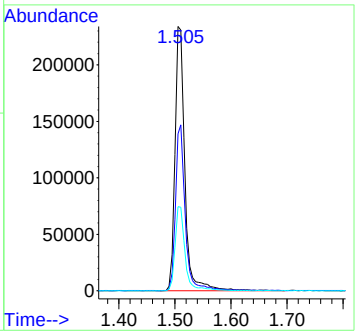


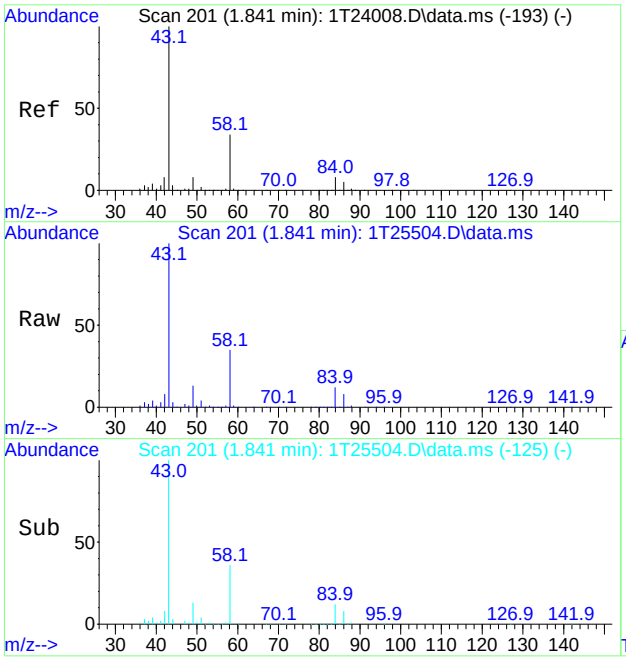


#17
1,1-dichloroethene
Concen: 40.4886 ug/L
RT: 1.505 min Scan# 137
Delta R.T. -0.005 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion: 61 Resp: 285660

Ion	Ratio	Lower	Upper
61	100		
96	59.3	33.7	93.7
63	31.8	2.8	62.8

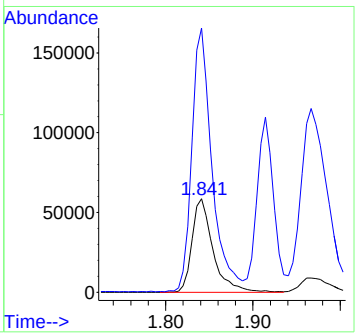


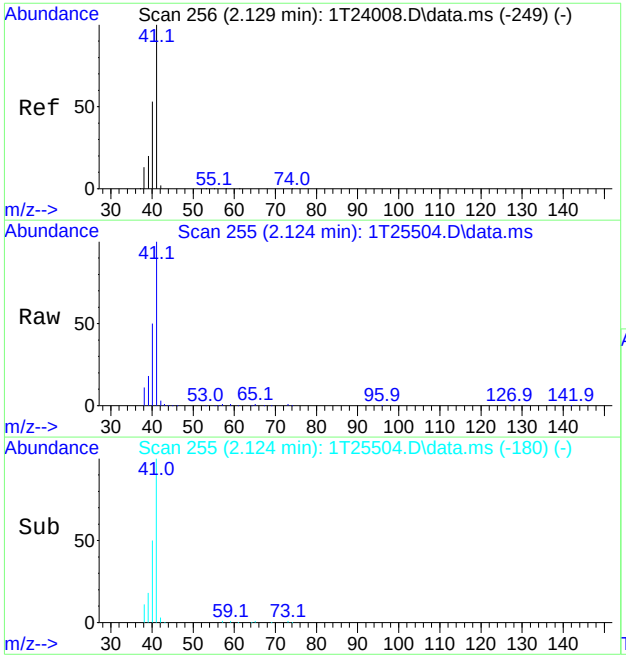


#18
acetone
Concen: 162.4470 ug/L
RT: 1.841 min Scan# 201
Delta R.T. -0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion: 58 Resp: 98596

Ion	Ratio	Lower	Upper
58	100		
43	281.5	263.8	323.8

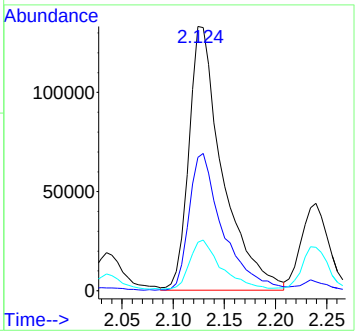


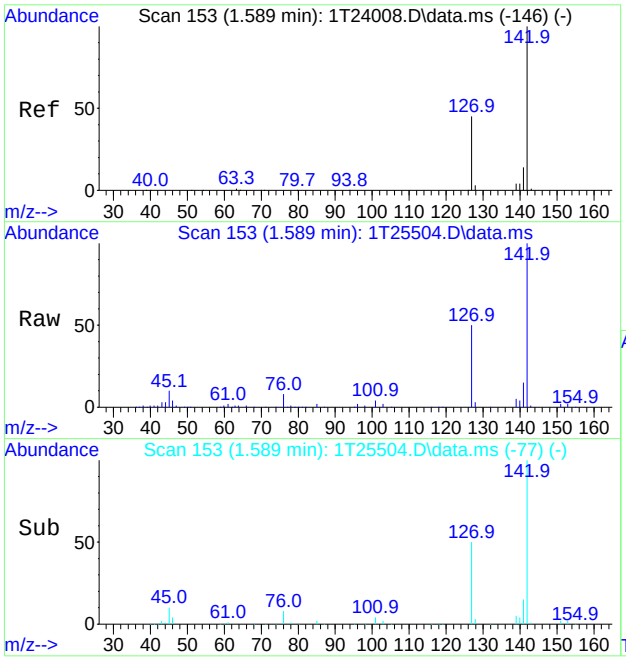


#19
acetonitrile
Concen: 549.7549 ug/L
RT: 2.124 min Scan# 255
Delta R.T. -0.005 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion: 41 Resp: 305096

Ion	Ratio	Lower	Upper
41	100		
40	50.6	23.2	83.2
39	17.9	0.0	49.8

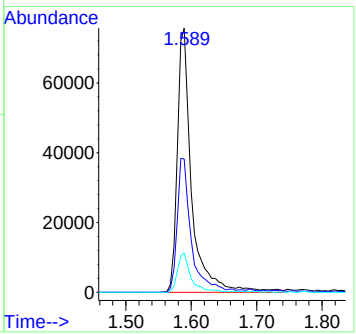


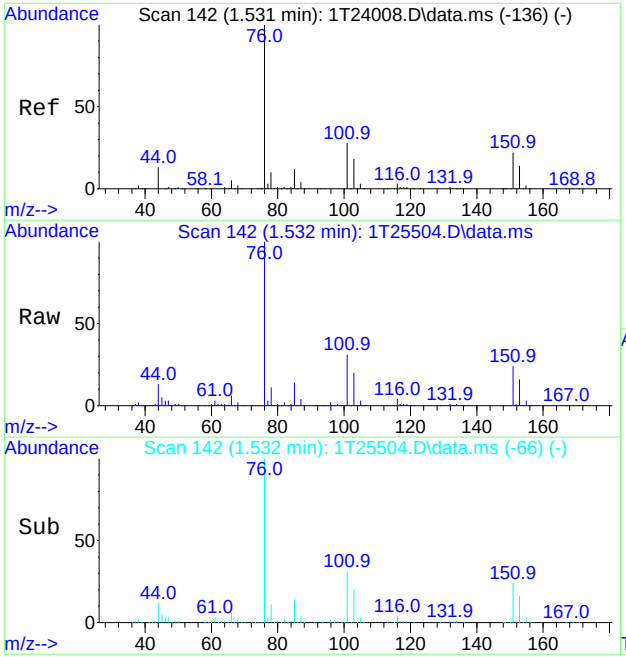


#20
iodomethane
Concen: 45.0067 ug/L
RT: 1.589 min Scan# 153
Delta R.T. 0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion:142 Resp: 115691

Ion	Ratio	Lower	Upper
142	100		
127	50.5	14.7	74.7
141	14.9	0.0	44.3

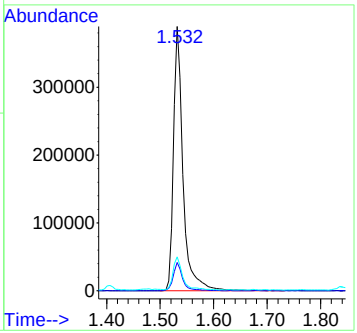


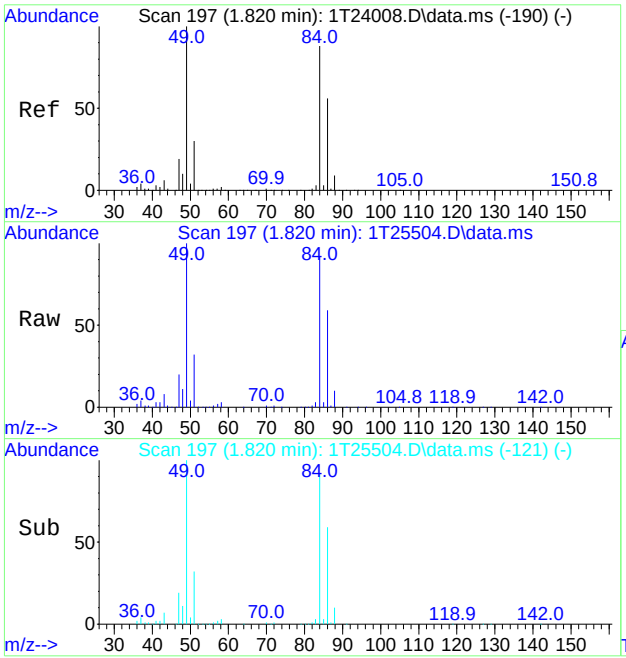


#21
carbon disulfide
Concen: 36.1726 ug/L
RT: 1.532 min Scan# 142
Delta R.T. 0.001 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion: 76 Resp: 483858

Ion	Ratio	Lower	Upper
76	100		
78	10.7	0.0	40.0
44	12.6	0.0	43.4

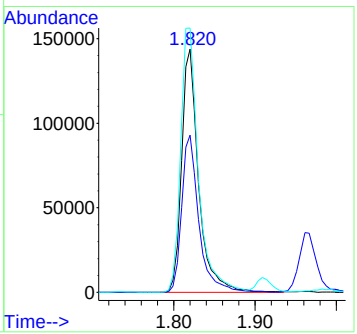


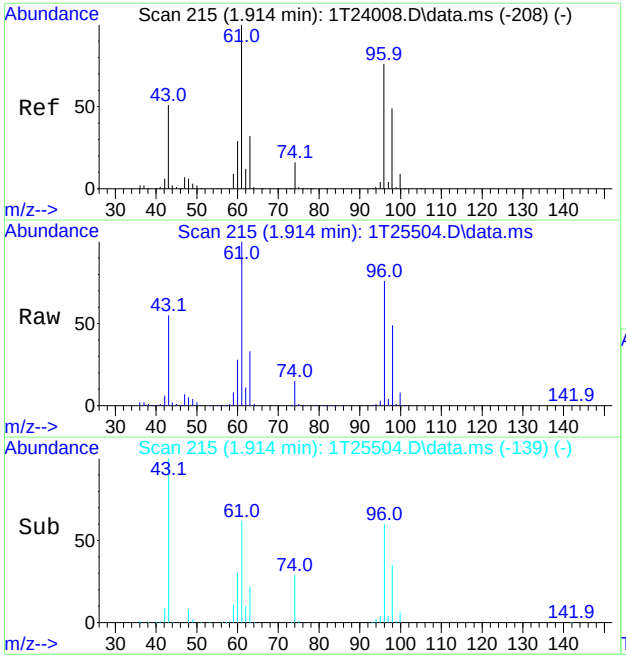


#22
methylene chloride
Concen: 41.4235 ug/L
RT: 1.820 min Scan# 197
Delta R.T. 0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion: 84 Resp: 211581

Ion	Ratio	Lower	Upper
84	100		
86	64.6	34.2	94.2
49	108.7	84.0	144.0

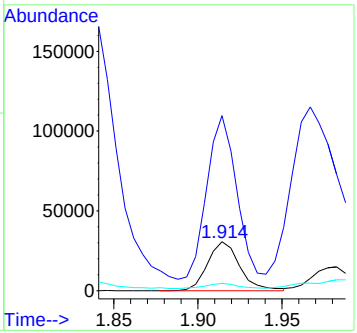


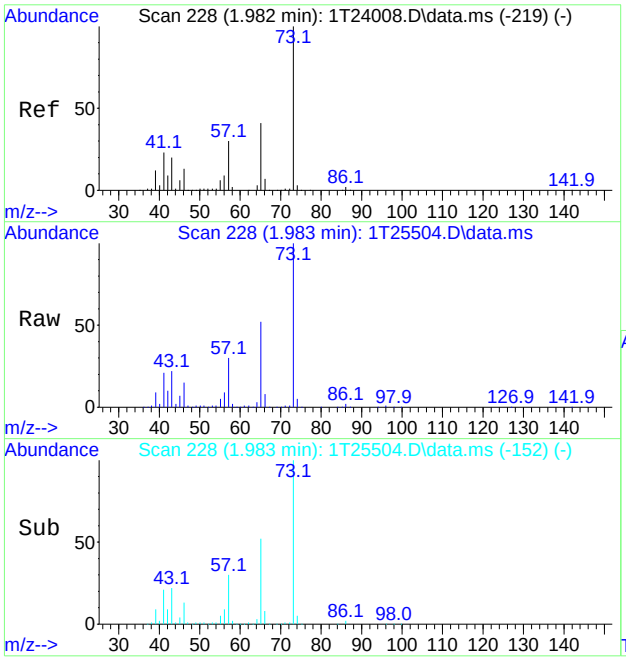


#23
methyl acetate
Concen: 42.5050 ug/L
RT: 1.914 min Scan# 215
Delta R.T. 0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion: 74 Resp: 41060

Ion	Ratio	Lower	Upper
74	100		
43	316.1	282.8	342.8
44	8.6	0.0	42.2

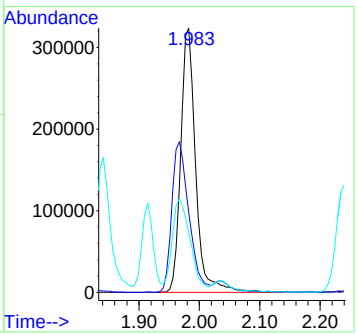


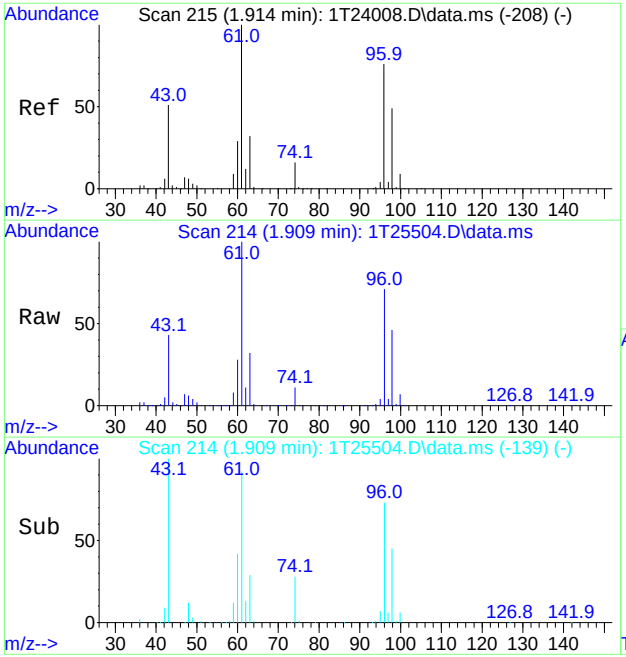


#24
methyl tert butyl ether
Concen: 51.7347 ug/L
RT: 1.983 min Scan# 228
Delta R.T. 0.001 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion: 73 Resp: 558643

Ion	Ratio	Lower	Upper
73	100		
57	30.1	0.0	60.0
43	22.3	0.0	55.7

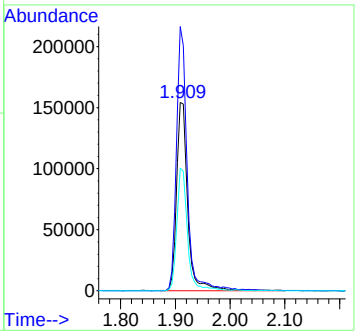


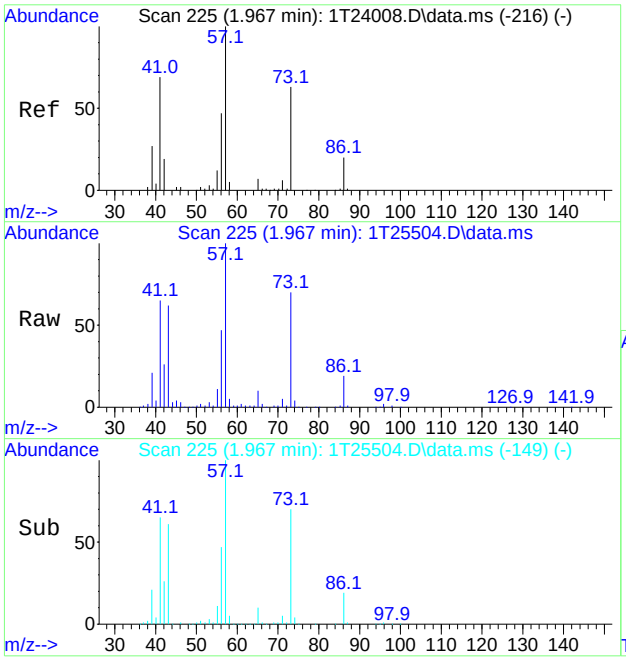


#25
trans-1,2-dichloroethene
Concen: 45.6344 ug/L
RT: 1.909 min Scan# 214
Delta R.T. -0.005 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion: 96 Resp: 218974

Ion	Ratio	Lower	Upper
96	100		
61	140.3	101.0	161.0
98	65.2	34.5	94.5

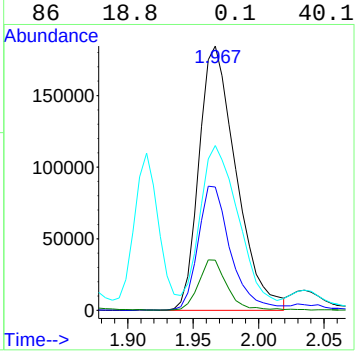


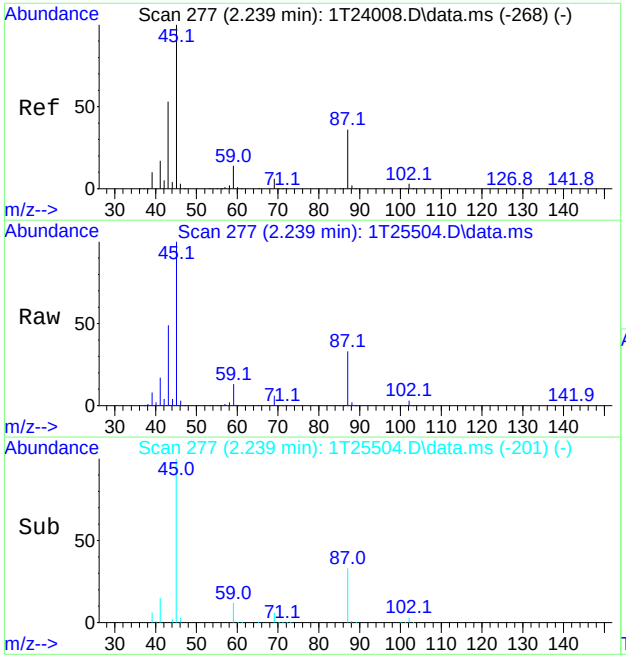


#26
hexane
Concen: 59.0777 ug/L
RT: 1.967 min Scan# 225
Delta R.T. -0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion: 57 Resp: 365603

Ion	Ratio	Lower	Upper
57	100		
56	46.5	27.2	67.2
43	57.9	37.1	77.1
86	18.8	0.1	40.1

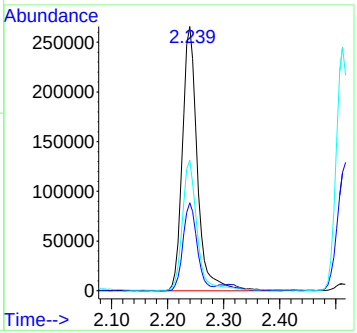


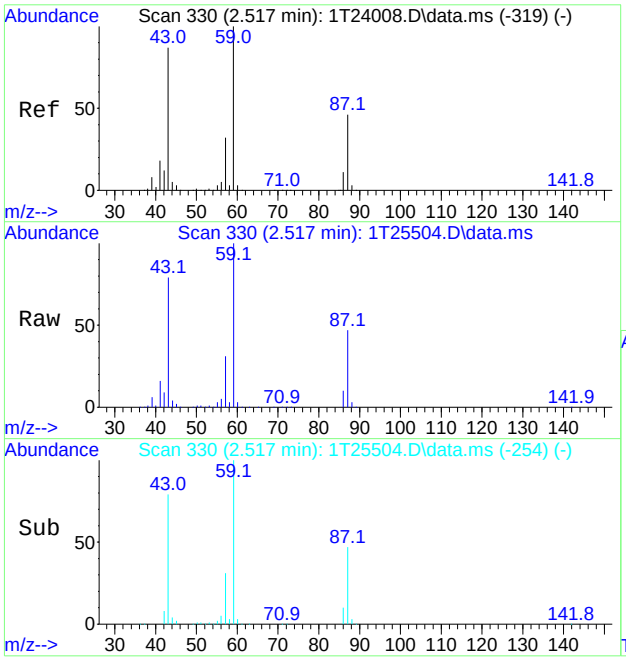


#27
di-isopropyl ether
Concen: 61.6958 ug/L
RT: 2.239 min Scan# 277
Delta R.T. 0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion: 45 Resp: 495223

Ion	Ratio	Lower	Upper
45	100		
87	33.3	6.3	66.3
43	49.1	23.0	83.0

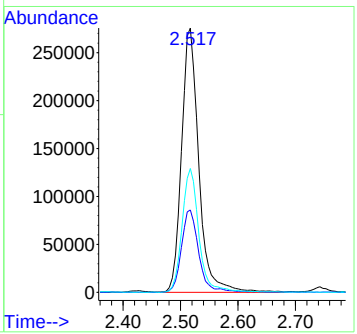




#28
ethyl tert-butyl ether
Concen: 54.2962 ug/L
RT: 2.517 min Scan# 330
Delta R.T. 0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

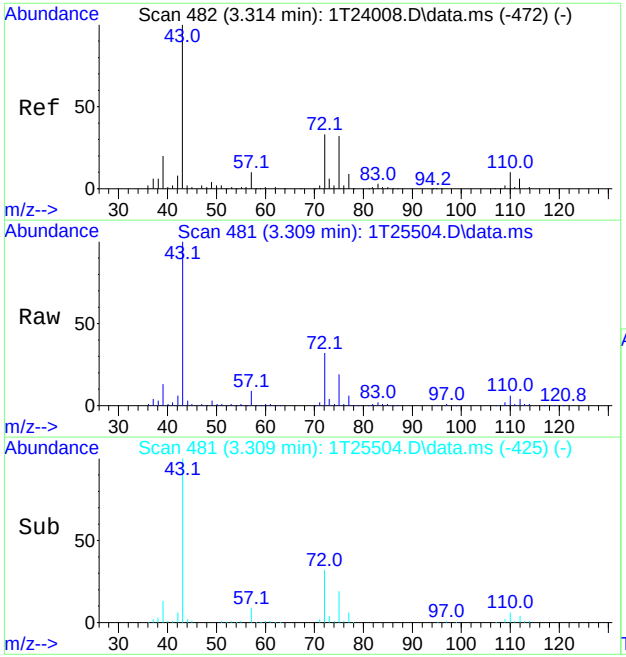
Tgt Ion: 59 Resp: 575591

Ion	Ratio	Lower	Upper
59	100		
57	31.2	2.1	62.1
87	46.9	15.5	75.5



7.4.4

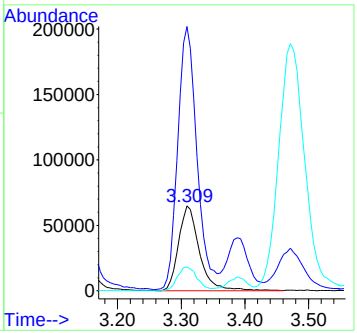
7

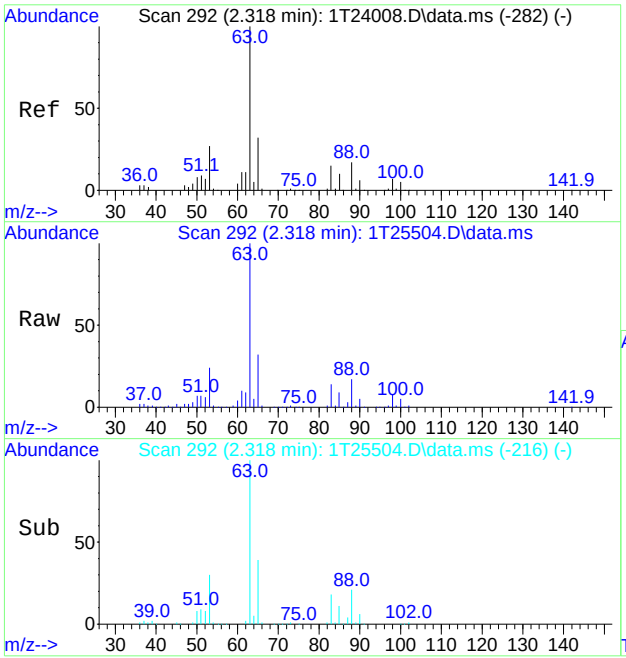


#29
2-butanone
Concen: 208.2716 ug/L
RT: 3.309 min Scan# 481
Delta R.T. -0.005 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion: 72 Resp: 147684

Ion	Ratio	Lower	Upper
72	100		
43	308.9	273.9	333.9
57	28.0	0.0	58.9

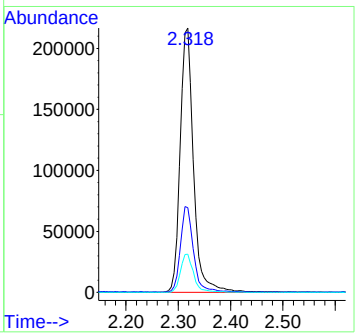


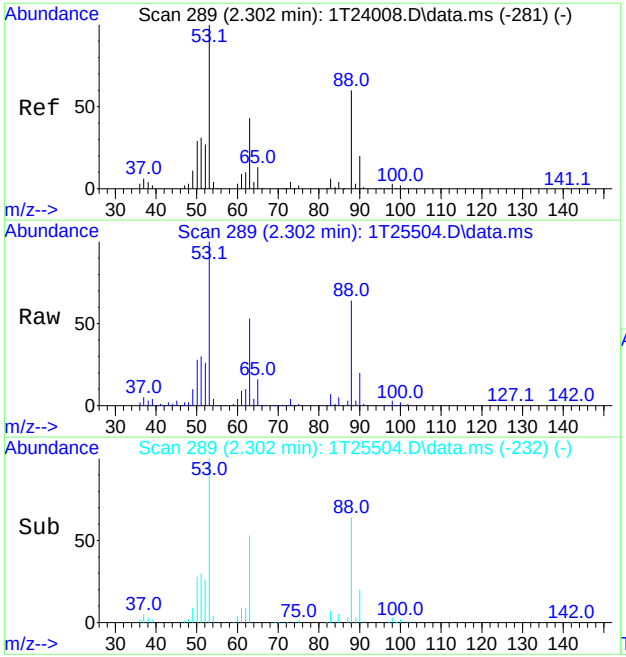


#30
1,1-dichloroethane
Concen: 53.5781 ug/L
RT: 2.318 min Scan# 292
Delta R.T. 0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion: 63 Resp: 386328

Ion	Ratio	Lower	Upper
63	100		
65	31.9	2.0	62.0
83	14.4	0.0	45.2

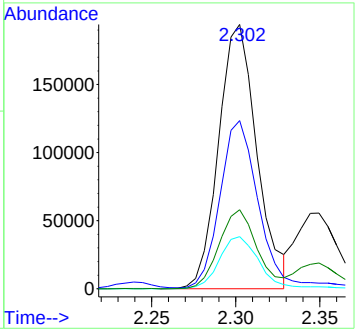


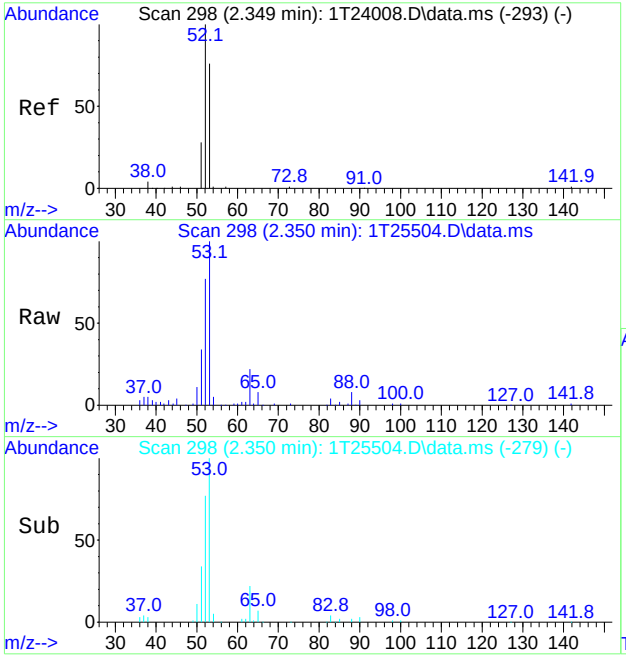


#31
chloroprene
Concen: 51.1175 ug/L
RT: 2.302 min Scan# 289
Delta R.T. 0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion: 53 Resp: 308574

Ion	Ratio	Lower	Upper
53	100		
88	62.9	29.5	89.5
90	19.8	0.0	49.7
51	29.9	0.7	60.7

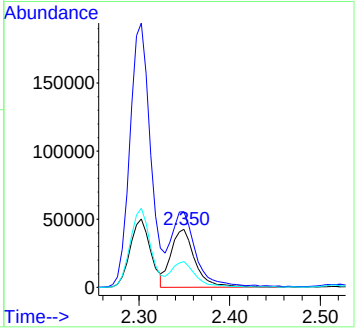


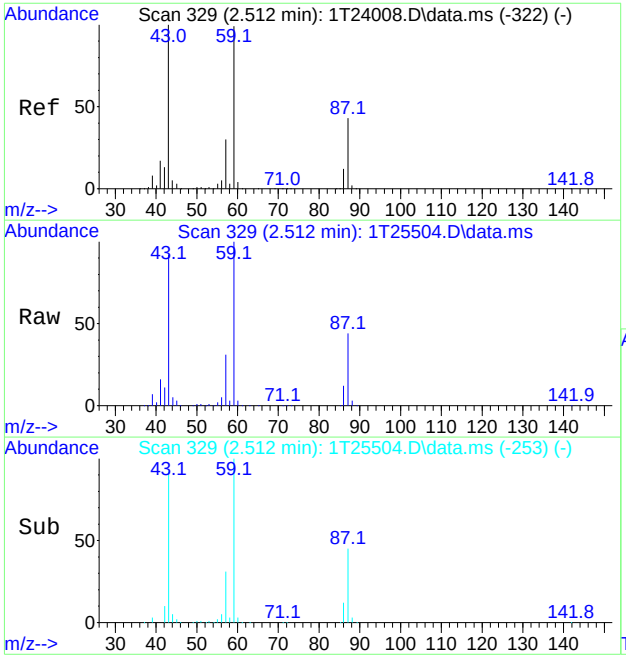


#32
acrylonitrile
Concen: 54.8042 ug/L
RT: 2.350 min Scan# 298
Delta R.T. 0.001 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion: 52 Resp: 78738

Ion	Ratio	Lower	Upper
52	100		
53	129.7	96.8	156.8
51	44.2	14.4	74.4

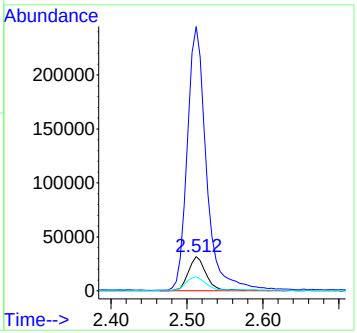


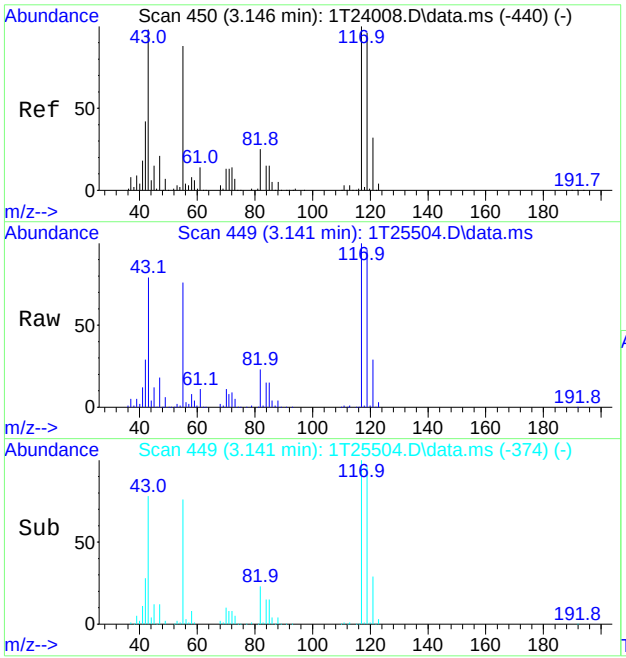


#33
vinyl acetate
Concen: 47.6944 ug/L
RT: 2.512 min Scan# 329
Delta R.T. 0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion: 86 Resp: 52603

Ion	Ratio	Lower	Upper
86	100		
43	769.6	805.6	865.6#
44	39.8	9.2	69.2

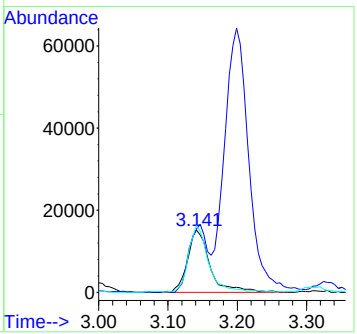


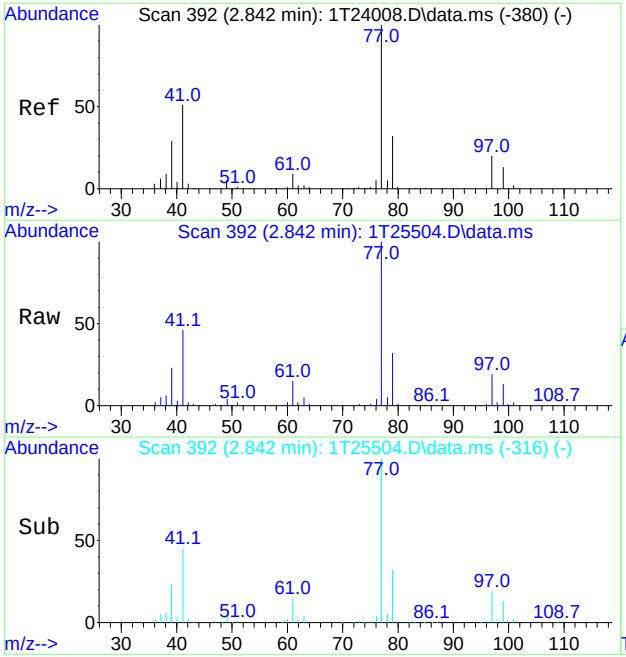


#34
ethyl acetate
Concen: 52.4356 ug/L
RT: 3.141 min Scan# 449
Delta R.T. -0.005 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion: 70 Resp: 34416

Ion	Ratio	Lower	Upper
70	100		
61	101.9	81.1	141.1
45	106.7	86.0	146.0

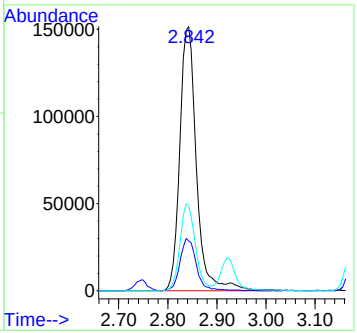


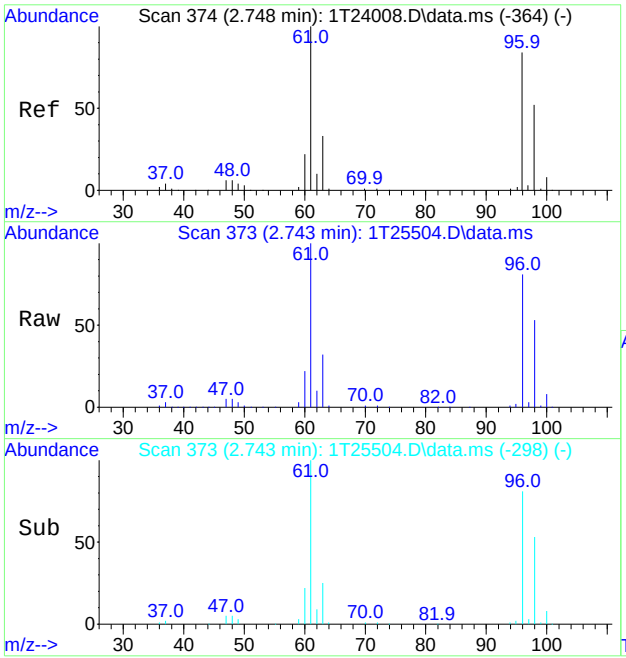


#35
2,2-dichloropropane
Concen: 60.7543 ug/L
RT: 2.842 min Scan# 392
Delta R.T. 0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion: 77 Resp: 359291

Ion	Ratio	Lower	Upper
77	100		
97	18.8	0.0	50.0
79	32.2	2.2	62.2

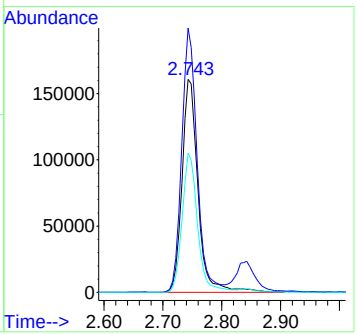


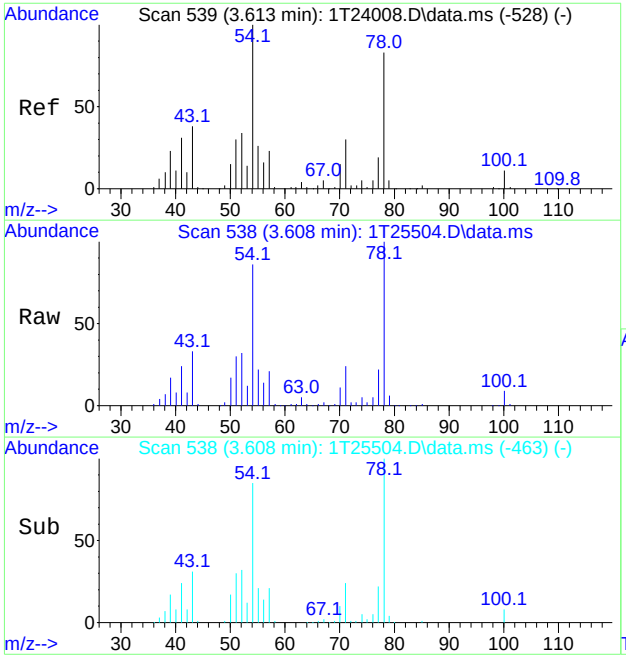


#36
cis-1,2-dichloroethene
Concen: 72.2073 ug/L
RT: 2.743 min Scan# 373
Delta R.T. -0.005 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion: 96 Resp: 305138

Ion	Ratio	Lower	Upper
96	100		
61	124.1	89.4	149.4
98	65.4	32.0	92.0

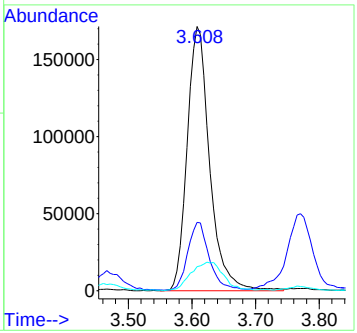


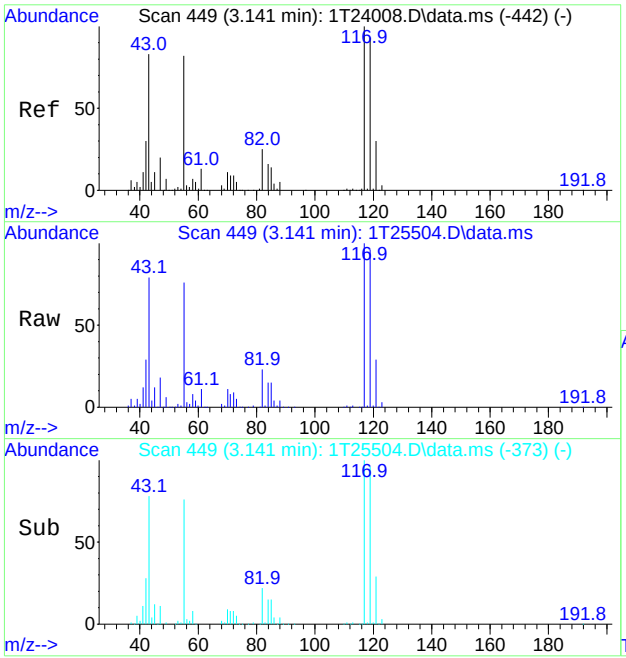


#37
propionitrile
Concen: 554.1364 ug/L
RT: 3.608 min Scan# 538
Delta R.T. -0.005 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion: 54 Resp: 421495

Ion	Ratio	Lower	Upper
54	100		
55	25.6	0.0	55.9
40	8.9	0.0	41.2

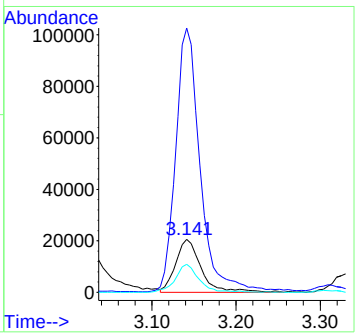


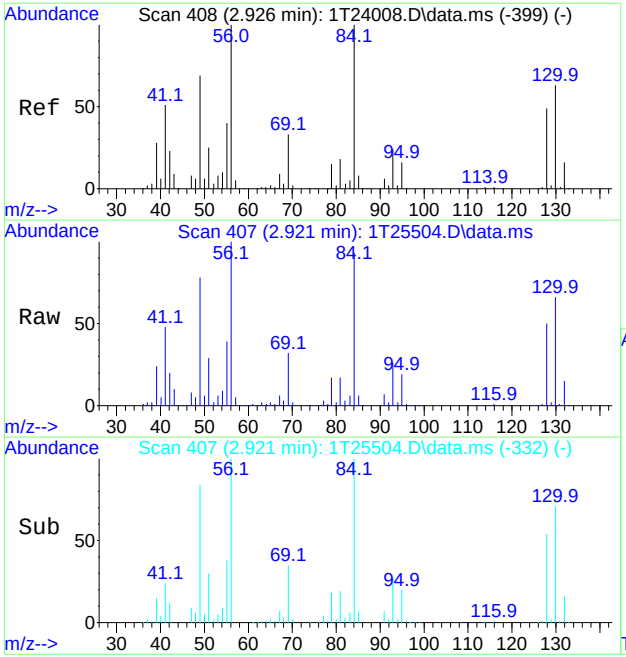


#38
methyl acrylate
Concen: 49.0394 ug/L
RT: 3.141 min Scan# 449
Delta R.T. 0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion: 85 Resp: 43518

Ion	Ratio	Lower	Upper
85	100		
55	493.3	512.8	552.8#
58	52.9	28.3	68.3

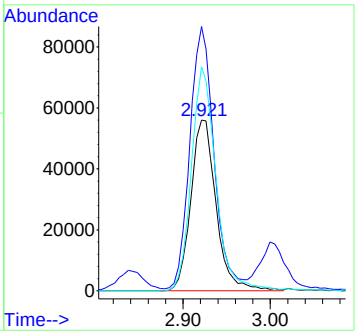


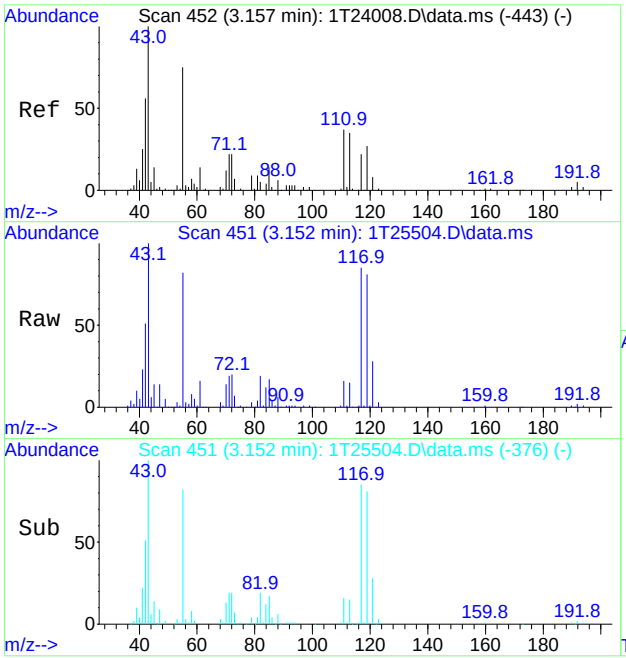


#39
bromochloromethane
Concen: 52.5903 ug/L
RT: 2.921 min Scan# 407
Delta R.T. -0.005 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion:128 Resp: 112838

Ion	Ratio	Lower	Upper
128	100		
49	153.6	110.2	170.2
130	131.2	98.0	158.0

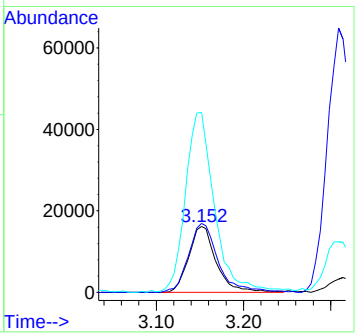


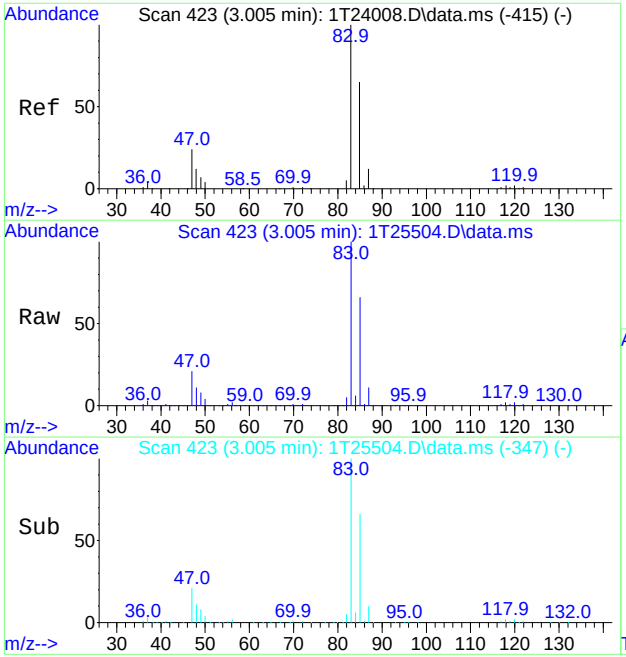


#40
tetrahydrofuran
Concen: 51.3848 ug/L
RT: 3.152 min Scan# 451
Delta R.T. -0.005 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion: 71 Resp: 35504

Ion	Ratio	Lower	Upper
71	100		
72	104.7	71.2	131.2
42	270.5	227.1	287.1

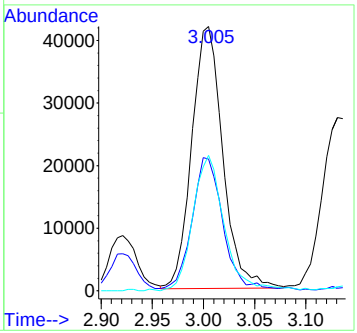


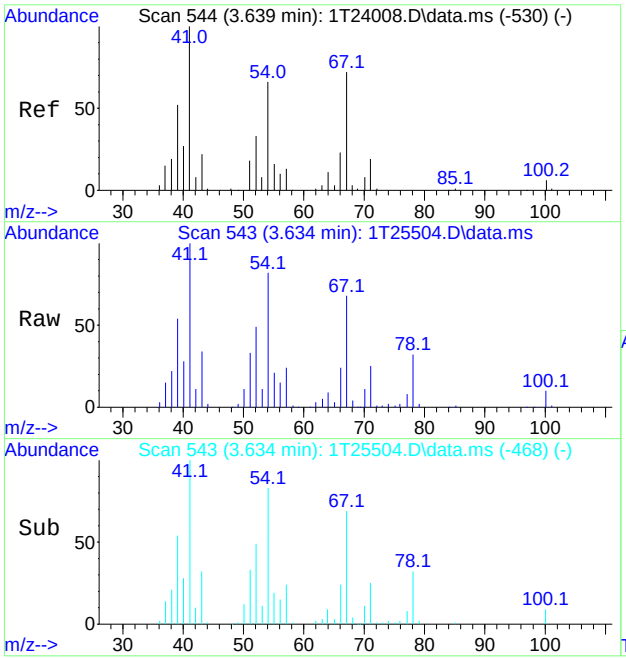


#41
chloroform
Concen: 44.7106 ug/L
RT: 3.005 min Scan# 423
Delta R.T. -0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion: 47 Resp: 88552

Ion	Ratio	Lower	Upper
47	100		
48	49.8	19.2	79.2
87	52.0	18.5	78.5

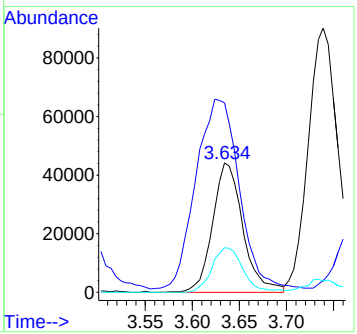


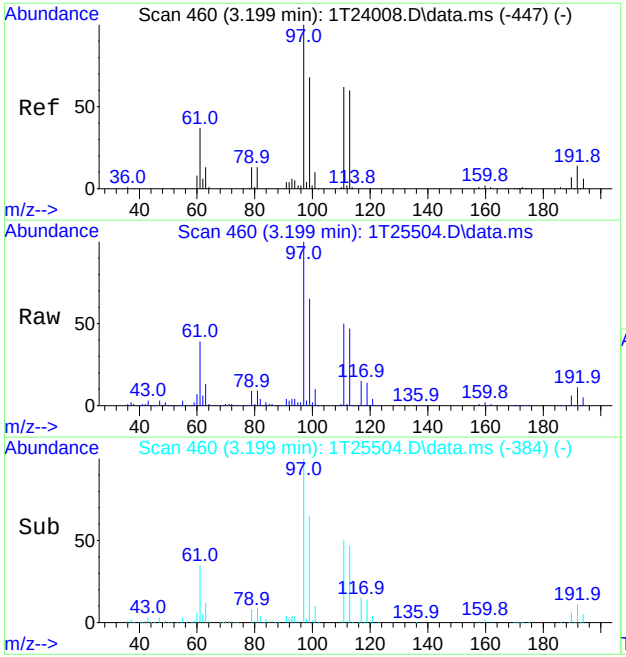


#43
methacrylonitrile
Concen: 48.2695 ug/L
RT: 3.634 min Scan# 543
Delta R.T. -0.005 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion: 67 Resp: 99027

Ion	Ratio	Lower	Upper
67	100		
41	143.0	109.1	169.1
66	34.4	2.0	62.0

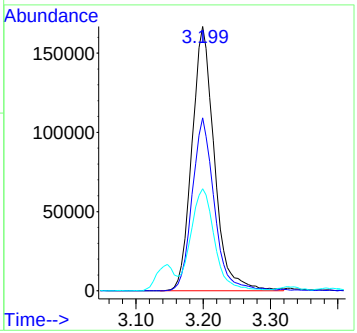


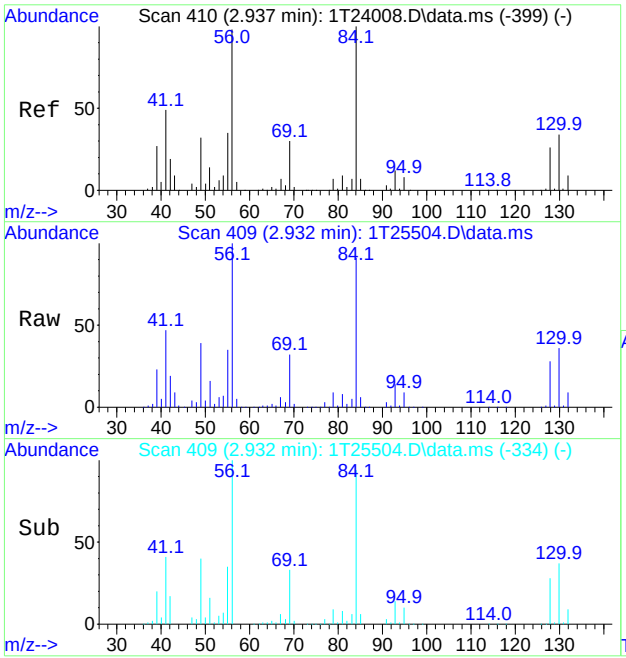


#44
1,1,1-trichloroethane
Concen: 58.0622 ug/L
RT: 3.199 min Scan# 460
Delta R.T. -0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion: 97 Resp: 386566

Ion	Ratio	Lower	Upper
97	100		
99	65.4	38.0	98.0
61	37.3	11.6	71.6

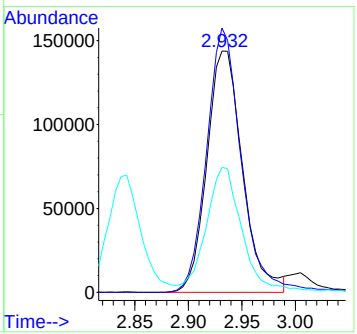


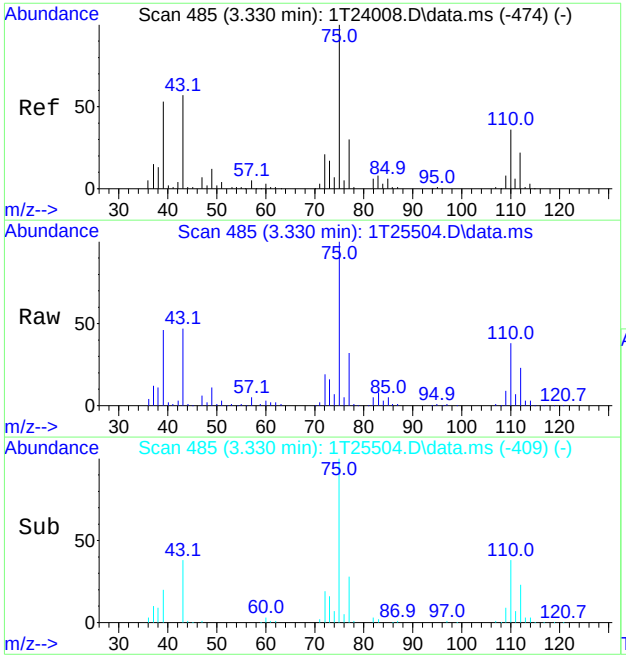


#45
cyclohexane
Concen: 55.8792 ug/L
RT: 2.932 min Scan# 409
Delta R.T. -0.005 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion: 84 Resp: 334340

Ion	Ratio	Lower	Upper
84	100		
56	109.5	78.4	118.4
41	49.2	30.2	70.2

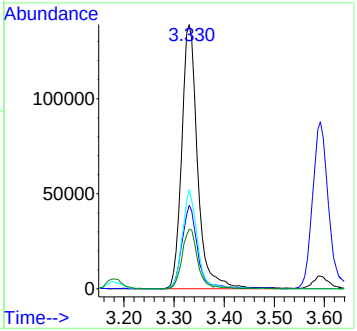


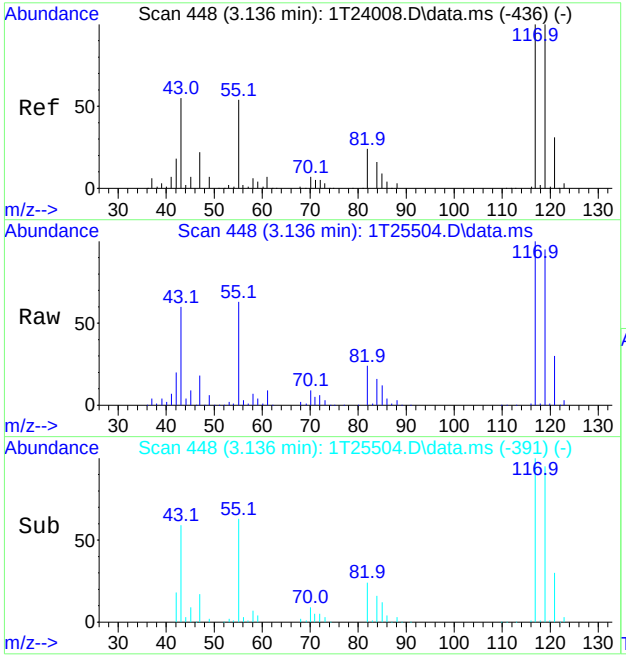


#46
1,1-dichloropropene
Concen: 54.4823 ug/L
RT: 3.330 min Scan# 485
Delta R.T. 0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion: 75 Resp: 307308

Ion	Ratio	Lower	Upper
75	100		
77	31.6	9.7	49.7
110	37.6	15.7	55.7
112	22.6	2.4	42.4

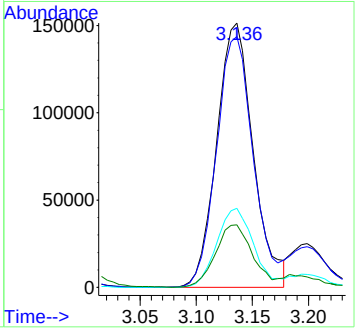


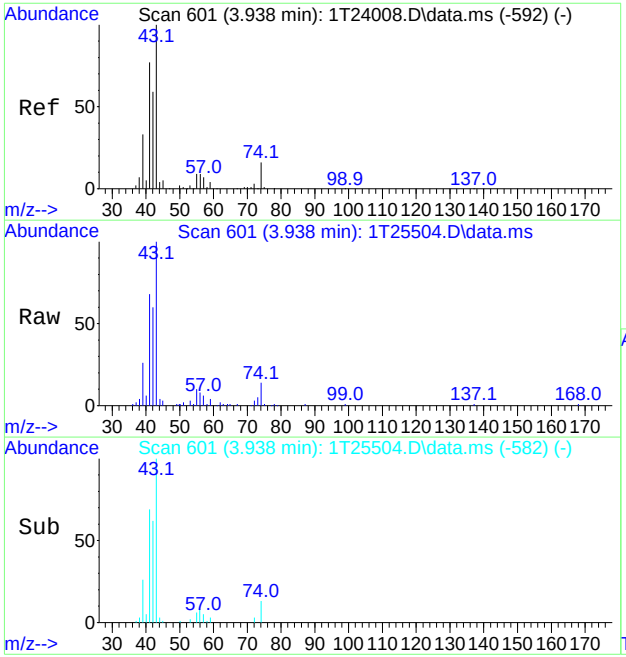


#47
carbon tetrachloride
Concen: 58.4219 ug/L
RT: 3.136 min Scan# 448
Delta R.T. 0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion:117 Resp: 344637

Ion	Ratio	Lower	Upper
117	100		
119	94.8	80.5	120.5
121	29.9	11.1	51.1
82	23.4	4.2	44.2

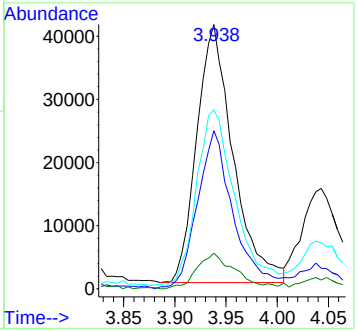


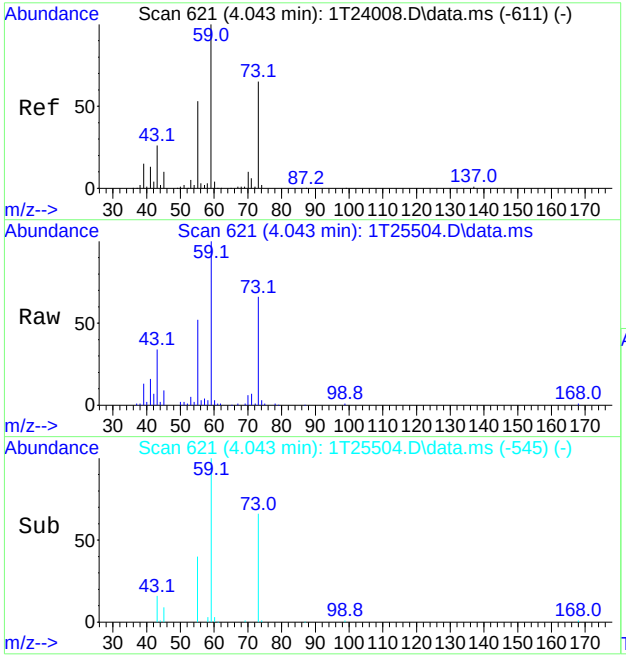


#48
isobutyl alcohol
Concen: 635.8545 ug/L
RT: 3.938 min Scan# 601
Delta R.T. 0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion: 43 Resp: 101155

Ion	Ratio	Lower	Upper
43	100		
42	60.4	39.1	79.1
41	67.6	57.3	97.3
74	13.8	0.0	35.9

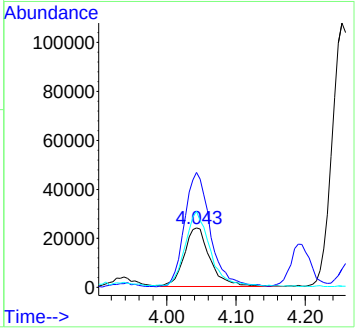


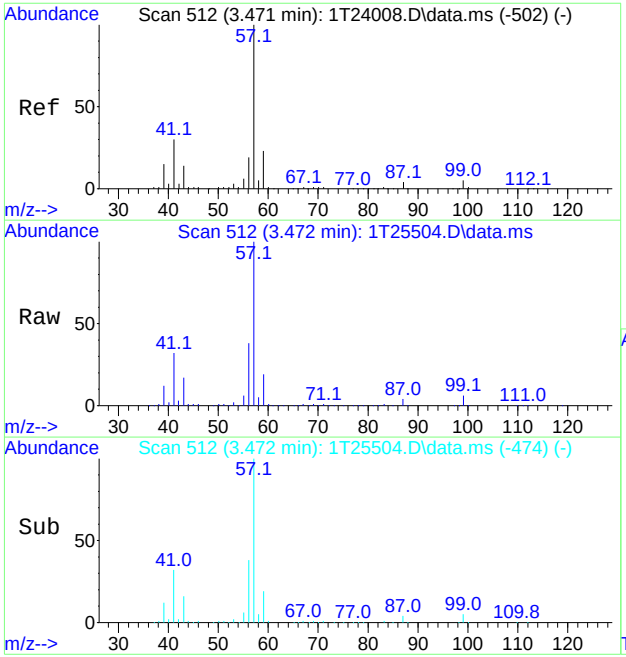


#49
tert-amyl alcohol
Concen: 290.2136 ug/L
RT: 4.043 min Scan# 621
Delta R.T. 0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion: 55 Resp: 62535

Ion	Ratio	Lower	Upper
55	100		
59	193.9	167.3	207.3
73	128.0	102.0	142.0

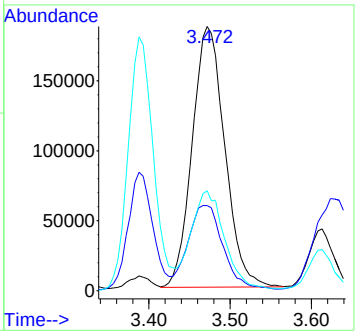


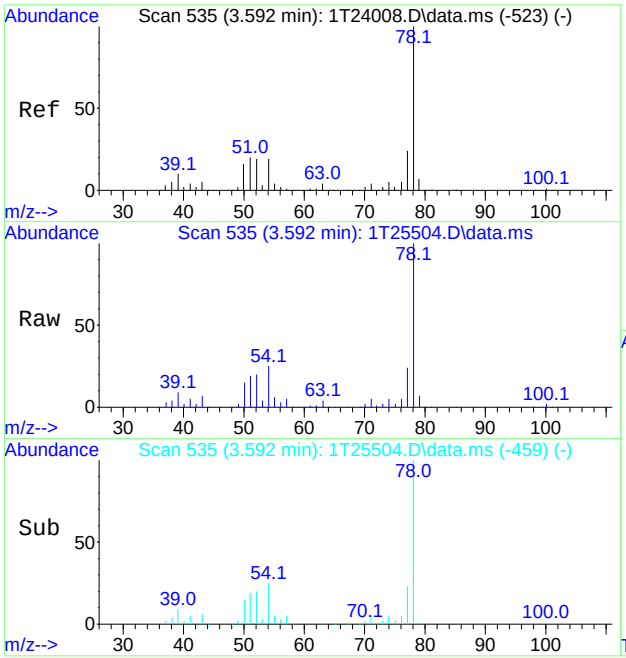


#52
iso-octane
Concen: 60.1723 ug/L
RT: 3.472 min Scan# 512
Delta R.T. 0.001 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion: 57 Resp: 519472

Ion	Ratio	Lower	Upper
57	100		
41	32.0	17.8	57.8
56	37.4	15.2	55.2

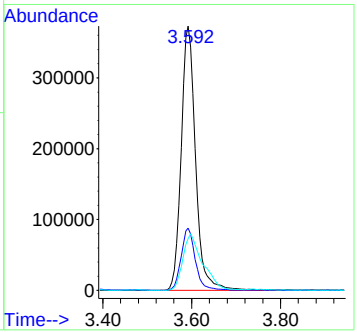


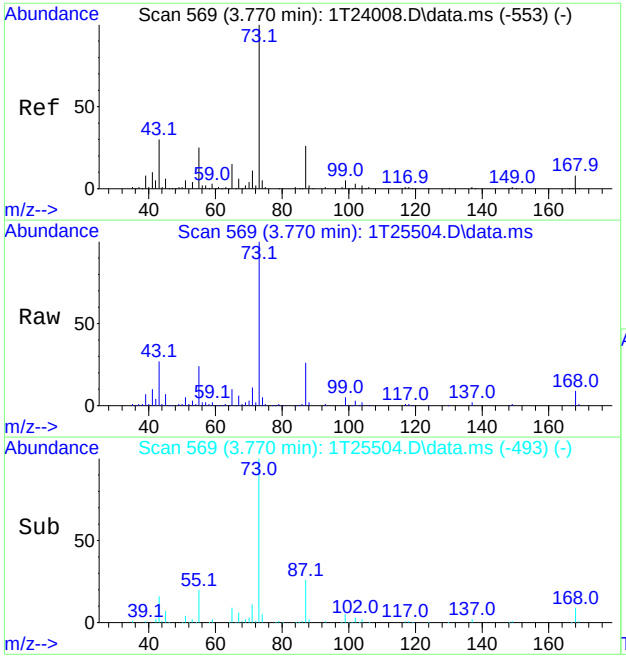


#53
benzene
Concen: 56.3148 ug/L
RT: 3.592 min Scan# 535
Delta R.T. 0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion: 78 Resp: 842829

Ion	Ratio	Lower	Upper
78	100		
77	23.5	0.0	54.3
52	19.5	0.0	48.8

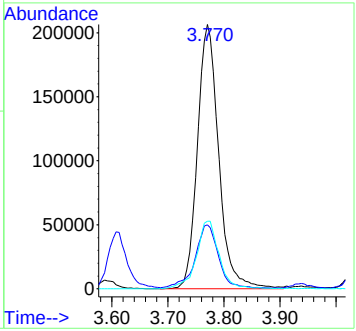


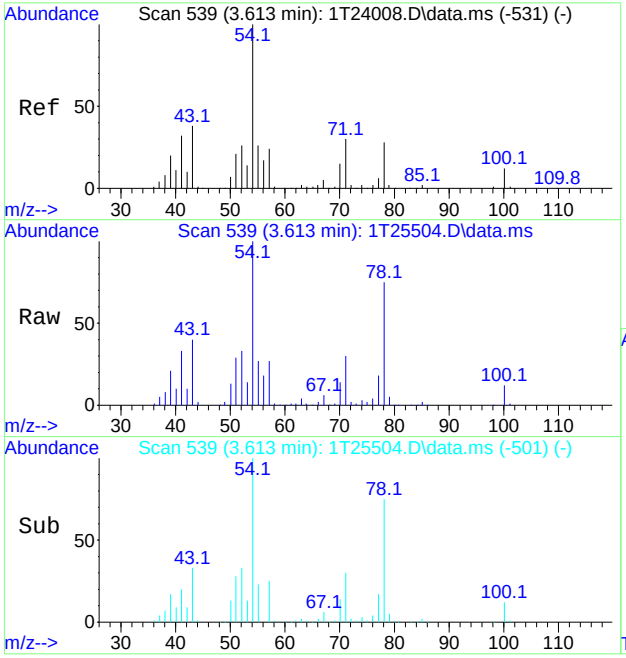


#54
tert-amyl methyl ether
Concen: 54.9852 ug/L
RT: 3.770 min Scan# 569
Delta R.T. 0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion: 73 Resp: 545258

Ion	Ratio	Lower	Upper
73	100		
55	23.8	5.6	45.6
87	25.5	6.1	46.1

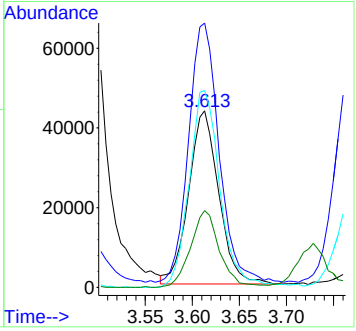


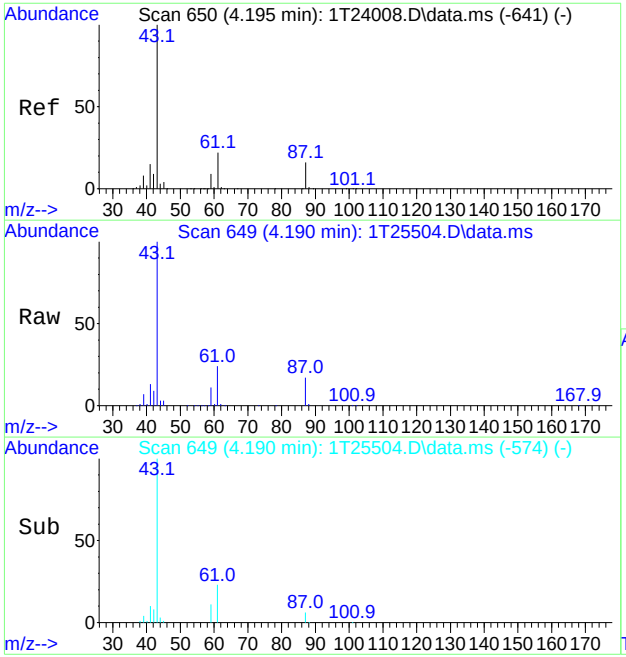


#55
heptane
Concen: 57.5083 ug/L
RT: 3.613 min Scan# 539
Delta R.T. 0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion: 57 Resp: 96631

Ion	Ratio	Lower	Upper
57	100		
43	149.7	120.9	180.9
71	113.6	89.7	149.7
100	44.0	15.5	75.5

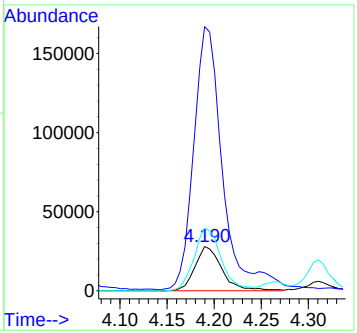


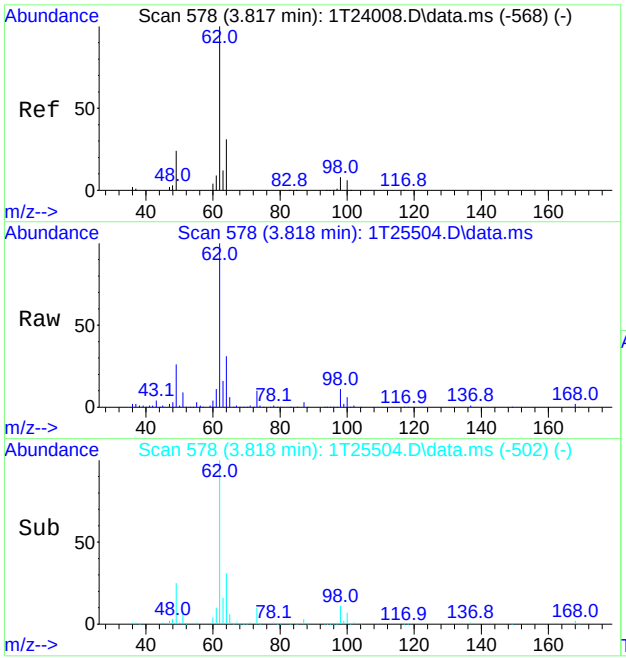


#56
isopropyl acetate
Concen: 46.9426 ug/L
RT: 4.190 min Scan# 649
Delta R.T. -0.005 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion: 87 Resp: 56109

Ion	Ratio	Lower	Upper
87	100		
43	592.3	606.7	666.7#
61	141.3	109.0	169.0

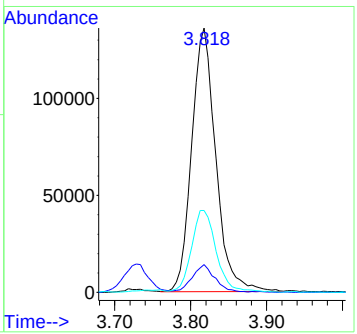


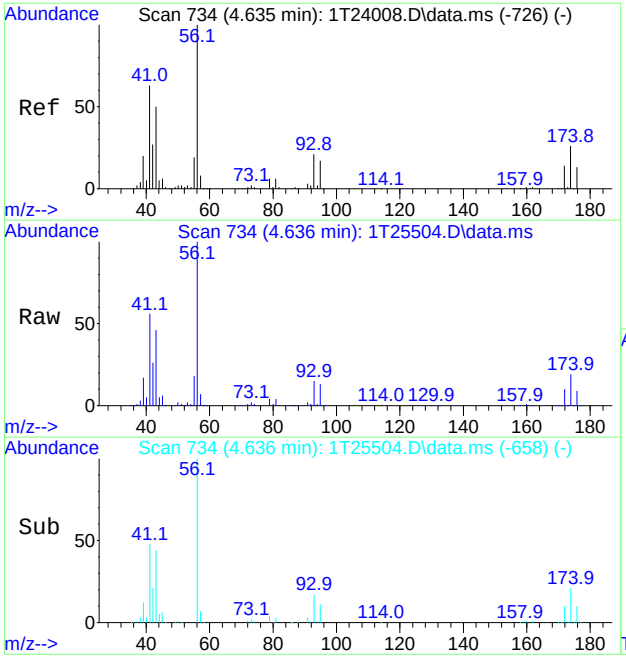


#57
1,2-dichloroethane
Concen: 46.1252 ug/L
RT: 3.818 min Scan# 578
Delta R.T. 0.001 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion: 62 Resp: 300288

Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	39.3
64	30.9	1.8	61.8

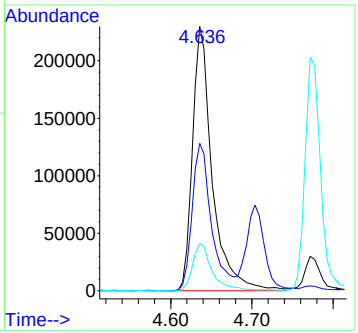


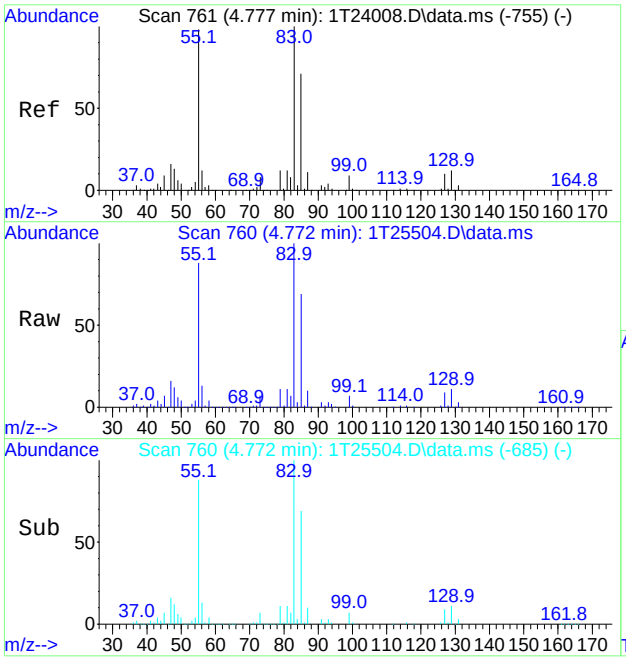


#58
n-butyl alcohol
Concen: 3346.9897 ug/L
RT: 4.636 min Scan# 734
Delta R.T. 0.001 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion: 56 Resp: 387400

Ion	Ratio	Lower	Upper
56	100		
41	55.6	42.6	82.6
55	17.9	0.0	38.9

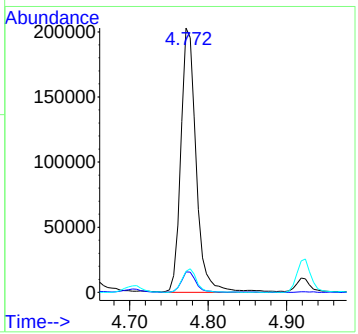


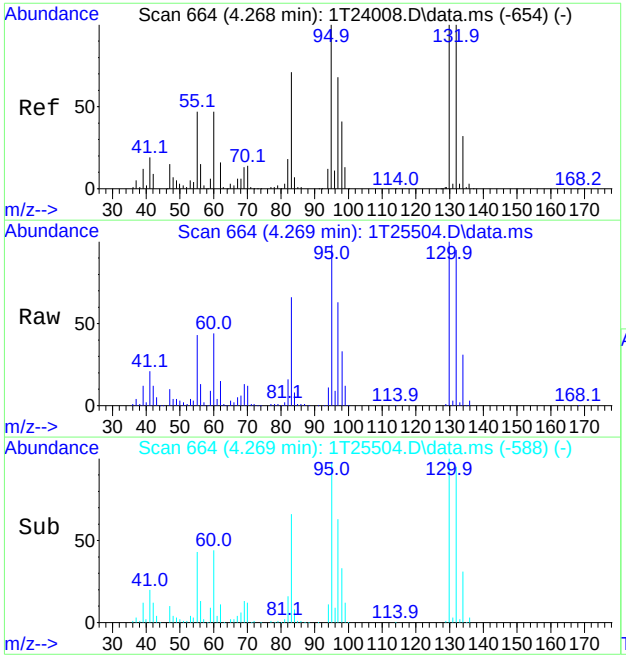


#59
ethyl acrylate
Concen: 58.5130 ug/L
RT: 4.772 min Scan# 760
Delta R.T. -0.005 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion: 55 Resp: 275657

Ion	Ratio	Lower	Upper
55	100		
73	7.7	0.0	37.8
99	7.9	0.0	39.3

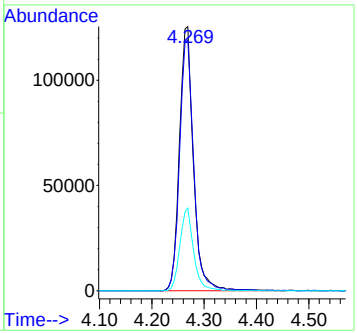


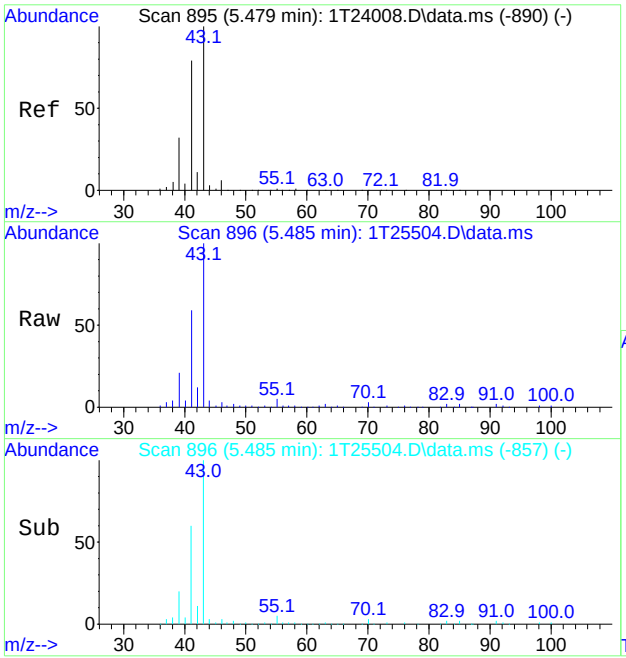


#60
trichloroethene
Concen: 57.2393 ug/L
RT: 4.269 min Scan# 664
Delta R.T. 0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion:130 Resp: 233877

Ion	Ratio	Lower	Upper
130	100		
132	94.8	69.8	129.8
134	31.4	2.3	62.3

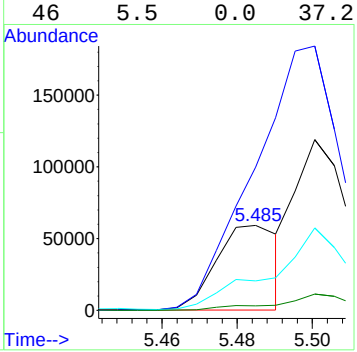


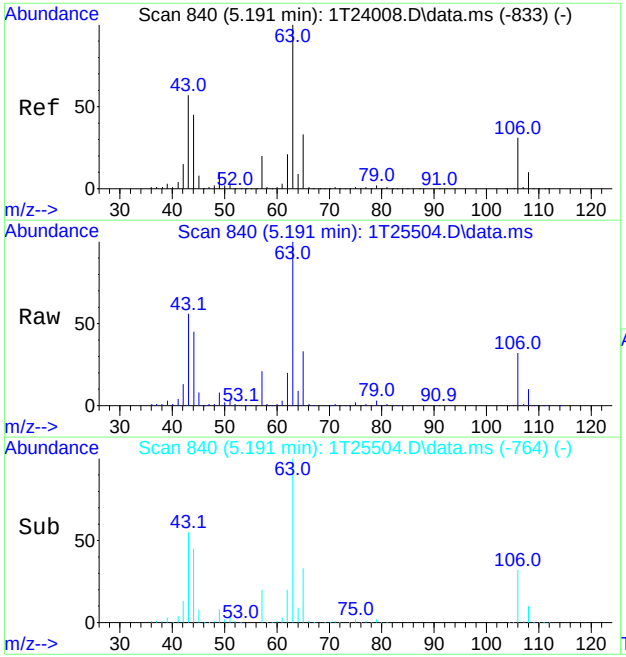


#61
2-nitropropane
Concen: 46.8675 ug/L m
RT: 5.485 min Scan# 896
Delta R.T. 0.006 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion: 41 Resp: 68032

Ion	Ratio	Lower	Upper
41	100		
43	169.0	96.2	156.2#
39	34.7	11.9	71.9
46	5.5	0.0	37.2

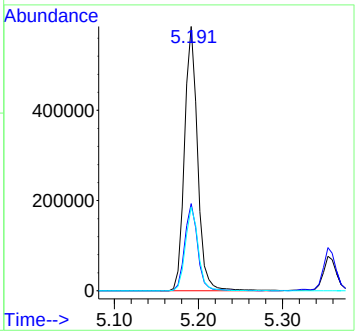


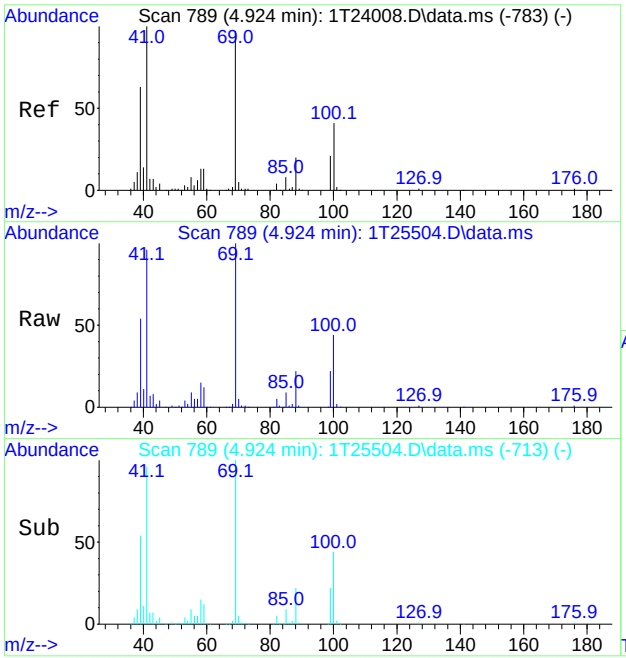


#62
2-chloroethyl vinyl ether
Concen: 230.6019 ug/L
RT: 5.191 min Scan# 840
Delta R.T. 0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion: 63 Resp: 631534

Ion	Ratio	Lower	Upper
63	100		
65	32.9	2.7	62.7
106	31.7	0.6	60.6

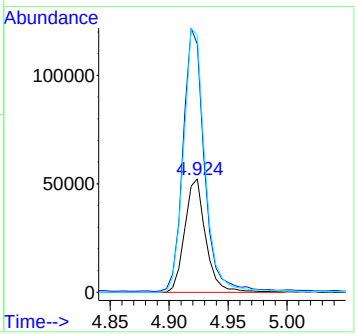


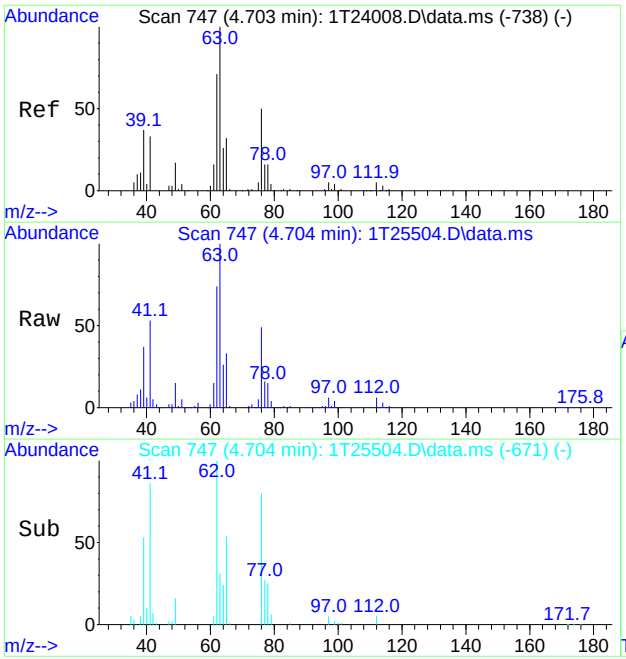


#63
methyl methacrylate
Concen: 54.5319 ug/L
RT: 4.924 min Scan# 789
Delta R.T. -0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion:100 Resp: 65123

Ion	Ratio	Lower	Upper
100	100		
41	217.0	214.5	274.5
69	226.4	207.6	267.6

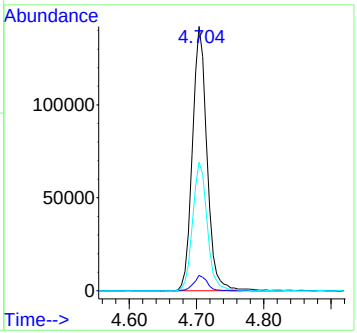


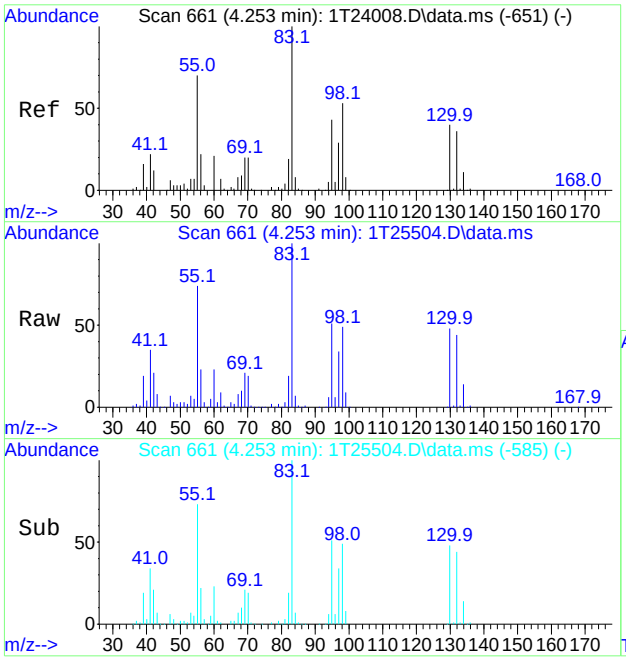


#64
1,2-dichloropropane
Concen: 56.2872 ug/L
RT: 4.704 min Scan# 747
Delta R.T. 0.001 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion: 63 Resp: 215124

Ion	Ratio	Lower	Upper
63	100		
112	5.9	0.0	34.7
76	48.6	20.1	80.1

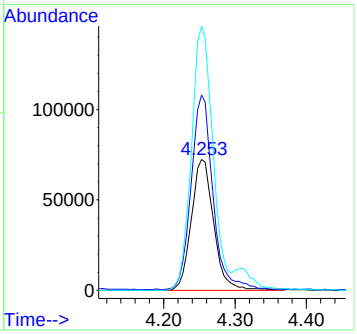


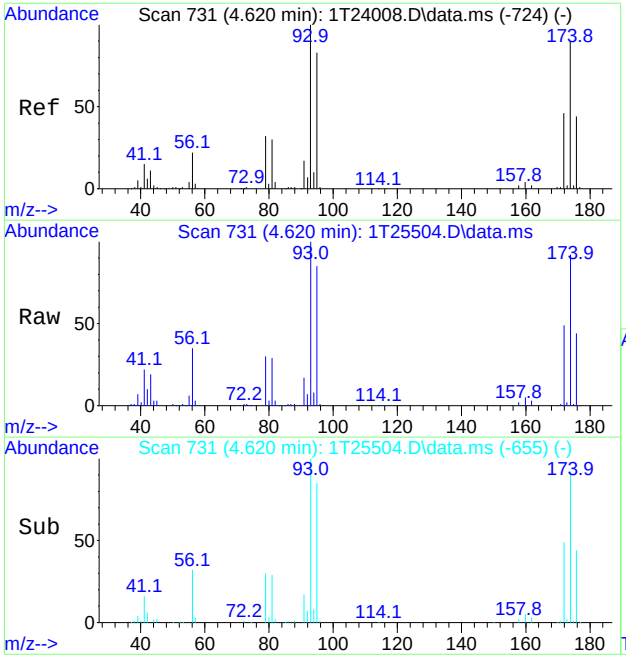


#65
methylcyclohexane
Concen: 55.2723 ug/L
RT: 4.253 min Scan# 661
Delta R.T. -0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion: 98 Resp: 158050

Ion	Ratio	Lower	Upper
98	100		
55	148.6	102.6	162.6
83	202.1	188.2	188.2#

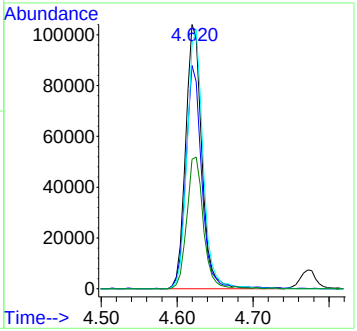


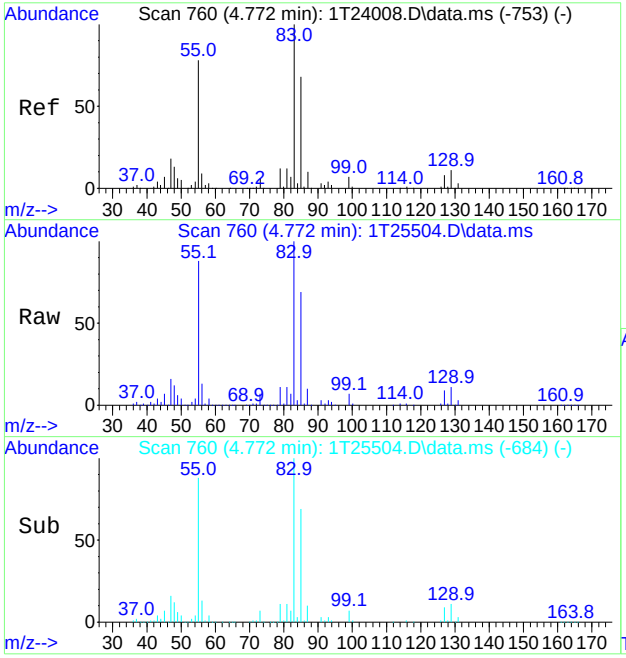


#66
dibromomethane
Concen: 48.0288 ug/L
RT: 4.620 min Scan# 731
Delta R.T. -0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion: 93 Resp: 154997

Ion	Ratio	Lower	Upper
93	100		
95	84.5	53.3	113.3
174	92.0	59.6	119.6
172	49.0	26.5	66.5

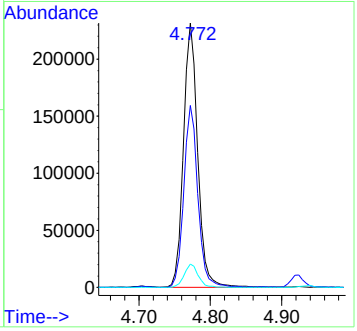


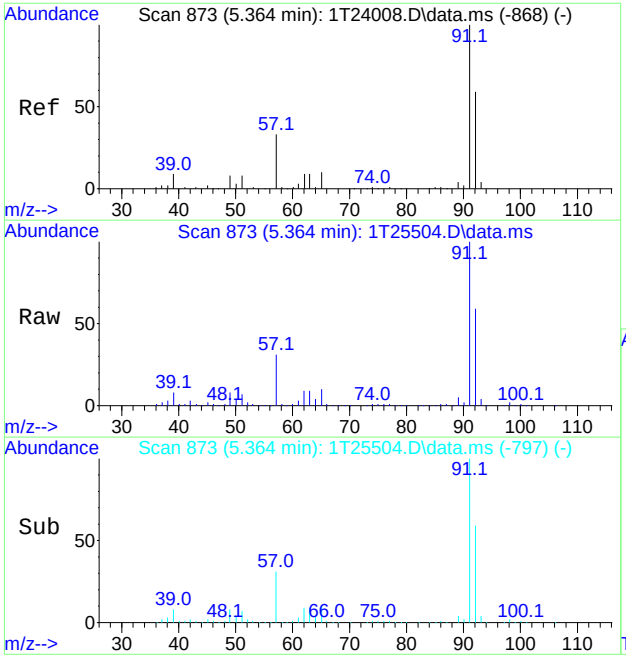


#67
bromodichloromethane
Concen: 52.7397 ug/L
RT: 4.772 min Scan# 760
Delta R.T. -0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion: 83 Resp: 321643

Ion	Ratio	Lower	Upper
83	100		
85	68.8	38.0	98.0
127	8.8	0.0	38.3

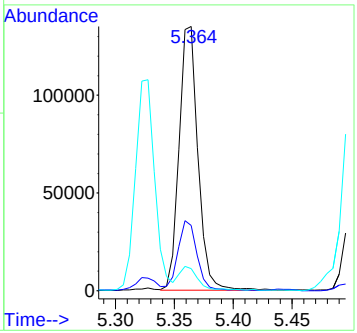


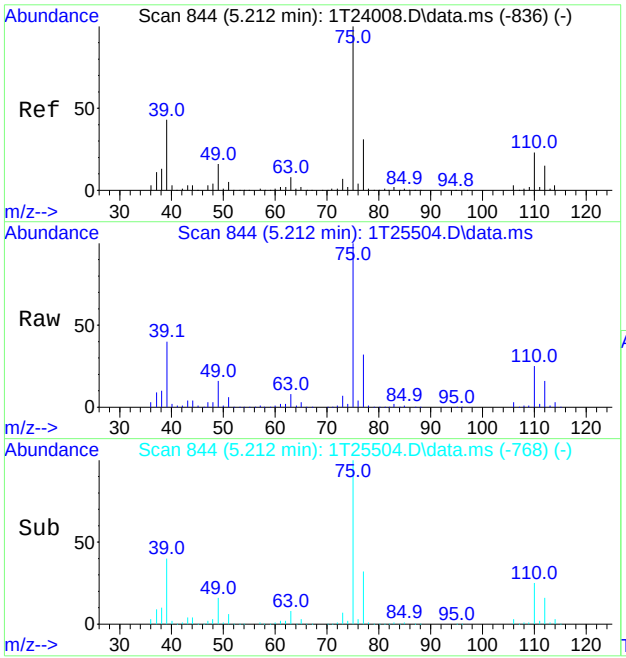


#68
epichlorohydrin
Concen: 269.5310 ug/L
RT: 5.364 min Scan# 873
Delta R.T. 0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion: 57 Resp: 151120

Ion	Ratio	Lower	Upper
57	100		
49	24.3	5.6	45.6
42	8.2	0.0	29.5

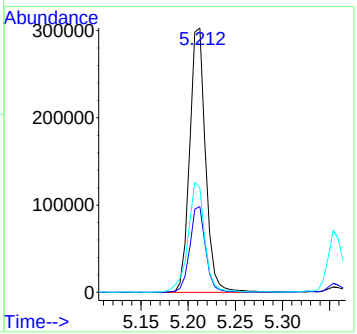


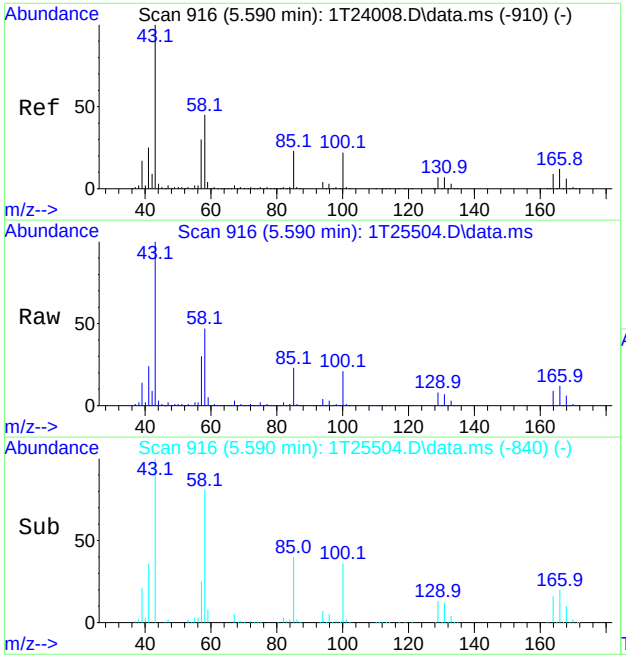


#69
cis-1,3-dichloropropene
Concen: 52.0932 ug/L
RT: 5.212 min Scan# 844
Delta R.T. 0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion: 75 Resp: 358174

Ion	Ratio	Lower	Upper
75	100		
77	32.4	1.4	61.4
39	39.6	13.3	73.3

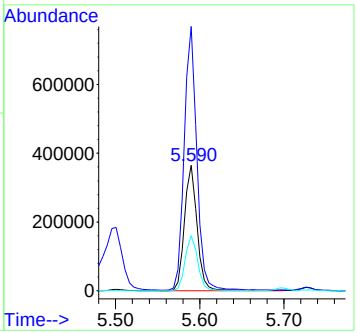


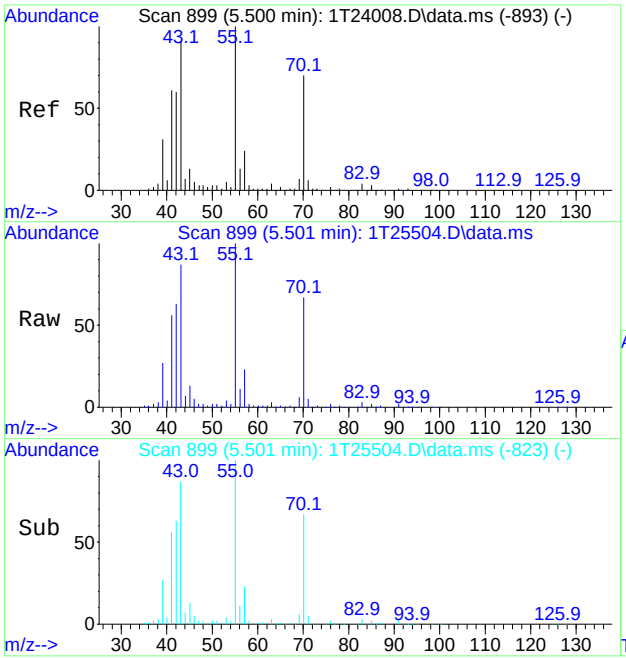


#70
4-methyl-2-pentanone
Concen: 227.2161 ug/L
RT: 5.590 min Scan# 916
Delta R.T. -0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion: 58 Resp: 382246

Ion	Ratio	Lower	Upper
58	100		
43	210.0	192.2	252.2
100	43.9	18.2	78.2

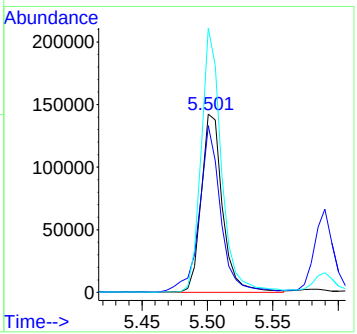


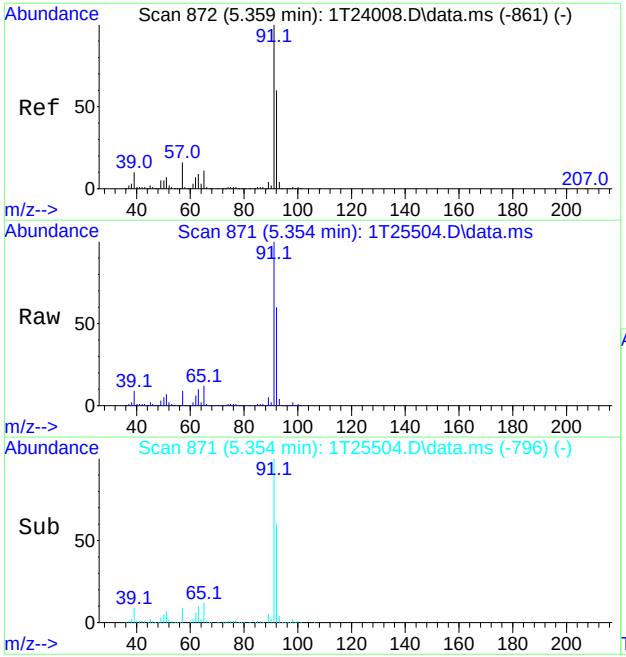


#71
3-methyl-1-butanol
Concen: 1186.6397 ug/L
RT: 5.501 min Scan# 899
Delta R.T. 0.001 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion: 70 Resp: 162177

Ion	Ratio	Lower	Upper
70	100		
42	93.3	54.9	114.9
55	148.2	112.0	172.0

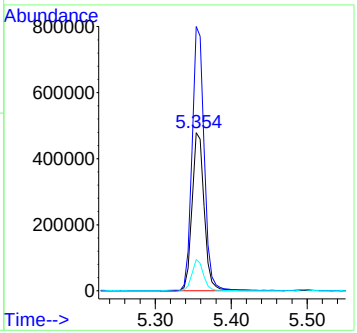


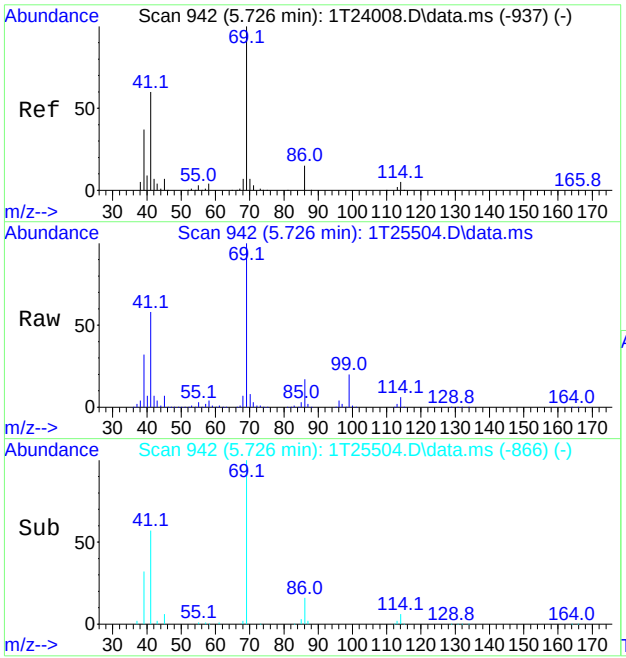


#74
toluene
Concen: 54.8319 ug/L
RT: 5.354 min Scan# 871
Delta R.T. -0.005 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion: 92 Resp: 531386

Ion	Ratio	Lower	Upper
92	100		
91	167.3	147.9	187.9
65	19.9	0.0	38.0

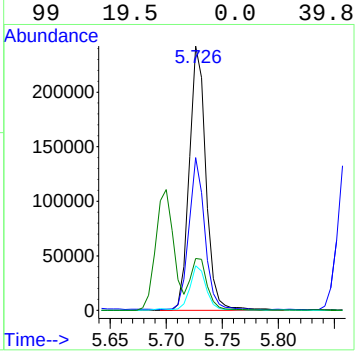


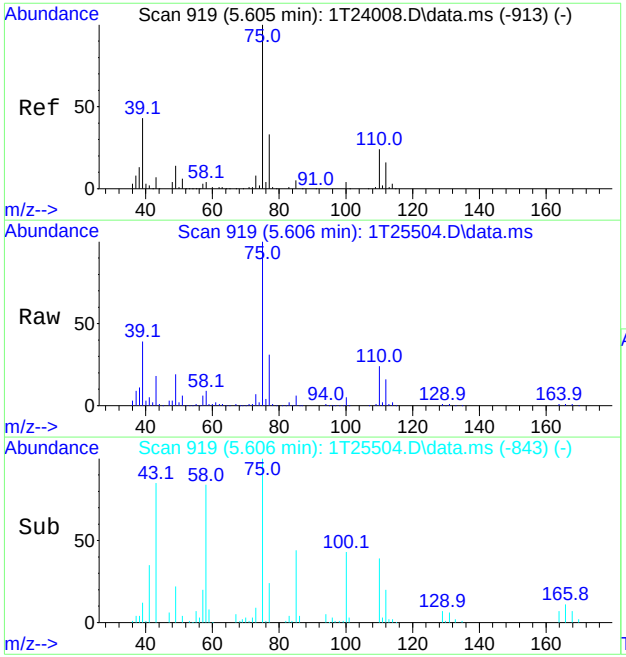


#75
ethyl methacrylate
Concen: 60.4103 ug/L
RT: 5.726 min Scan# 942
Delta R.T. 0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion: 69 Resp: 250187

Ion	Ratio	Lower	Upper
69	100		
41	57.4	40.2	80.2
86	16.7	0.0	35.4
99	19.5	0.0	39.8

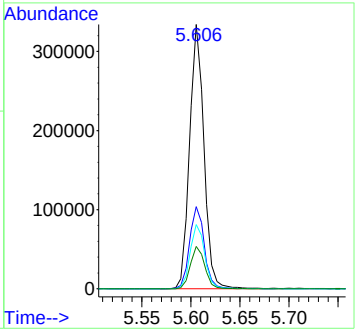


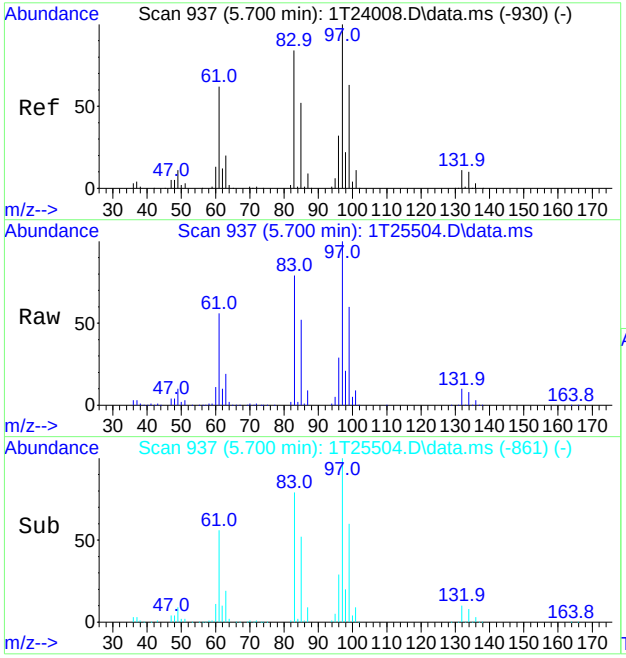


#76
trans-1,3-dichloropropene
Concen: 59.7768 ug/L
RT: 5.606 min Scan# 919
Delta R.T. 0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion: 75 Resp: 341273

Ion	Ratio	Lower	Upper
75	100		
77	31.1	12.7	52.7
110	24.3	4.1	44.1
112	16.0	0.0	35.6

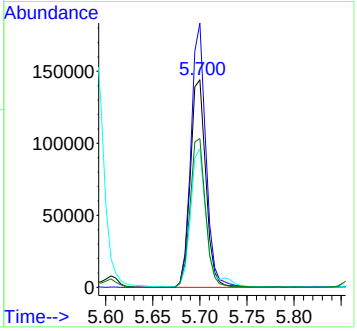


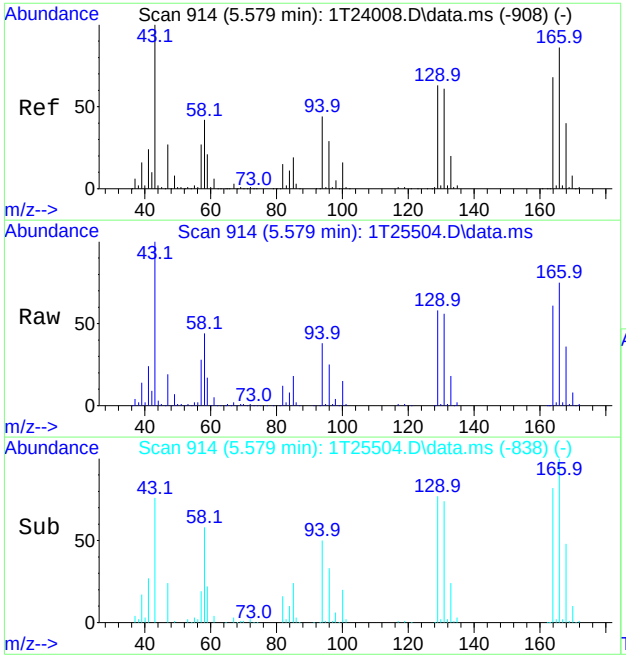


#77
1,1,2-trichloroethane
Concen: 57.1525 ug/L
RT: 5.700 min Scan# 937
Delta R.T. 0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion: 83 Resp: 166036

Ion	Ratio	Lower	Upper
83	100		
97	127.3	98.8	138.8
85	66.4	41.6	81.6
61	71.7	53.7	93.7

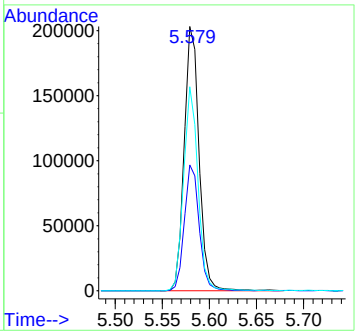


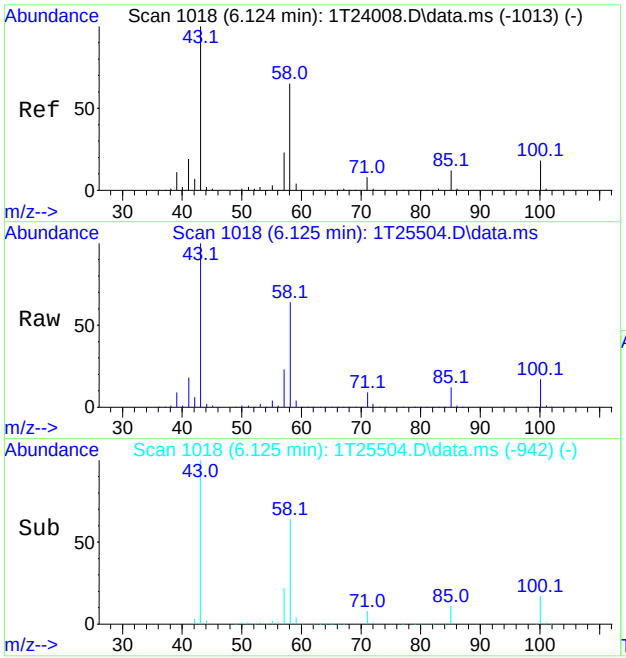


#78
tetrachloroethene
Concen: 55.2479 ug/L
RT: 5.579 min Scan# 914
Delta R.T. 0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion:166 Resp: 223584

Ion	Ratio	Lower	Upper
166	100		
168	47.6	16.8	76.8
129	77.1	43.9	103.9

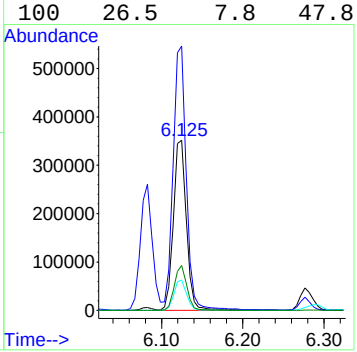


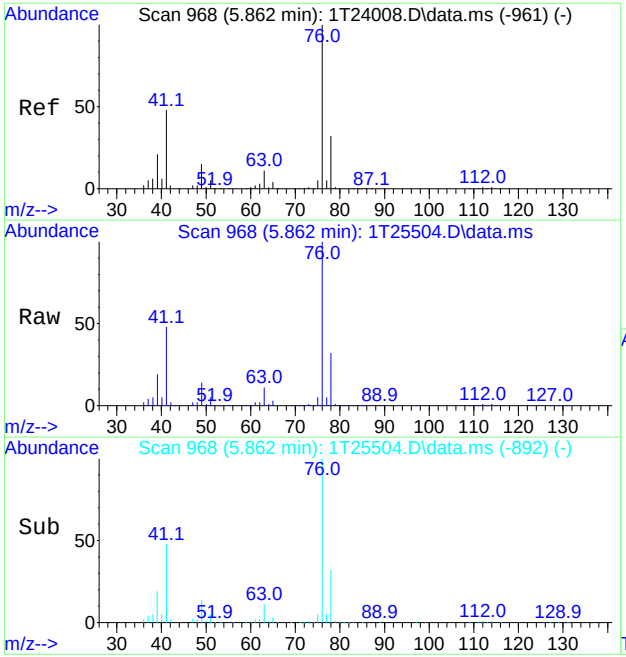


#79
2-hexanone
Concen: 258.8375 ug/L
RT: 6.125 min Scan# 1018
Delta R.T. 0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion: 58 Resp: 394060

Ion	Ratio	Lower	Upper
58	100		
43	155.4	139.1	179.1
85	17.9	0.0	38.1
100	26.5	7.8	47.8

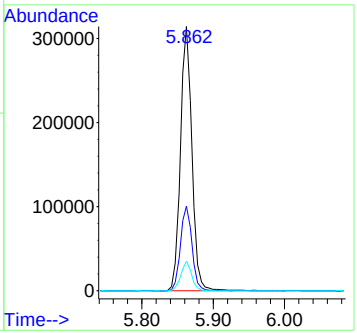


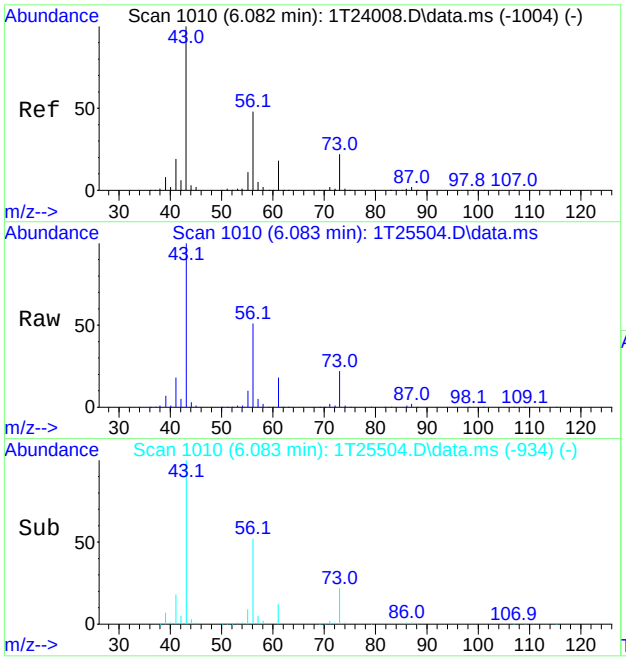


#80
1,3-dichloropropane
Concen: 59.3773 ug/L
RT: 5.862 min Scan# 968
Delta R.T. 0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion: 76 Resp: 351373

Ion	Ratio	Lower	Upper
76	100		
78	32.1	2.1	62.1
63	11.1	0.0	40.7

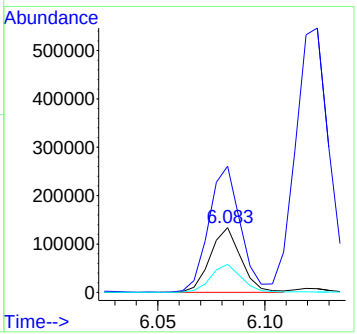


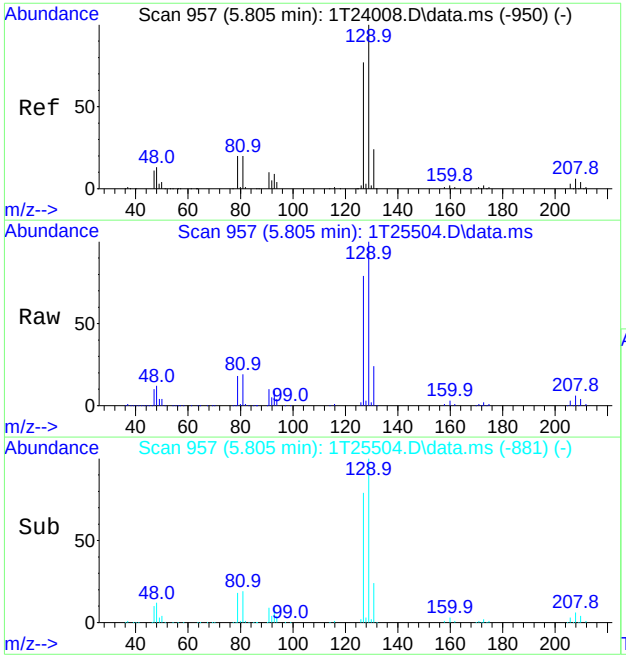


#81
butyl acetate
Concen: 65.5477 ug/L
RT: 6.083 min Scan# 1010
Delta R.T. 0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion: 56 Resp: 134678

Ion	Ratio	Lower	Upper
56	100		
43	194.1	177.8	237.8
73	43.4	16.2	76.2

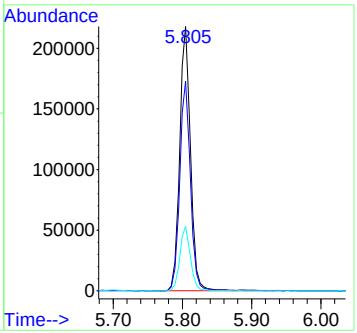


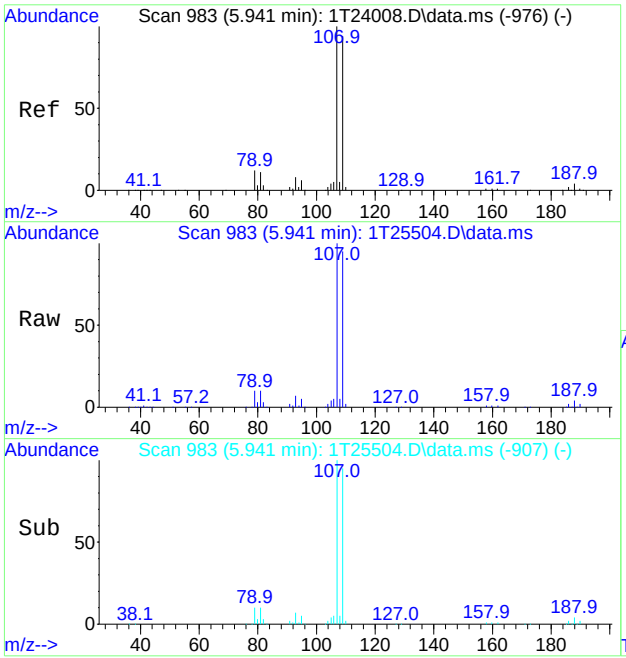


#82
dibromochloromethane
Concen: 54.5379 ug/L
RT: 5.805 min Scan# 957
Delta R.T. 0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion:129 Resp: 240154

Ion	Ratio	Lower	Upper
129	100		
127	79.3	47.5	107.5
131	24.4	0.0	54.1

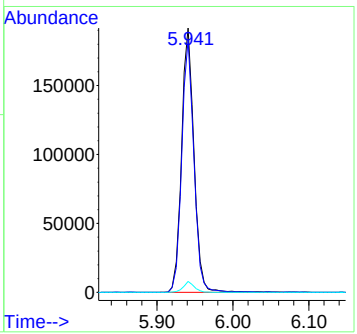


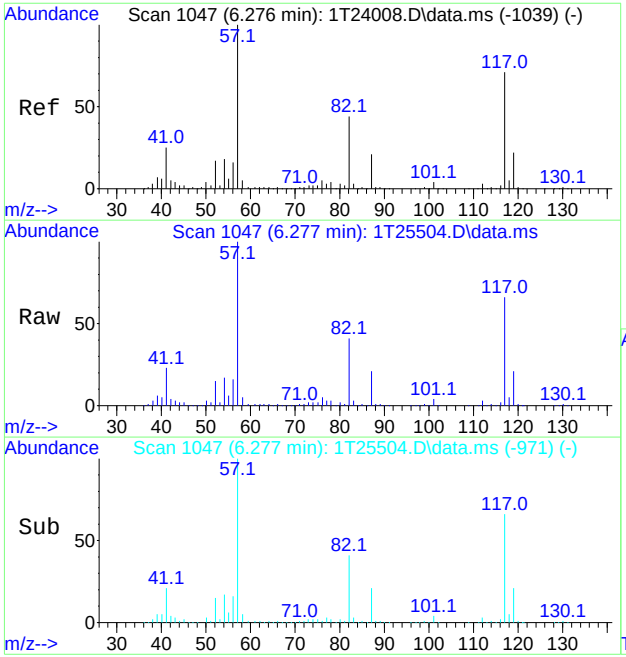


#83
1,2-dibromoethane
Concen: 57.1394 ug/L
RT: 5.941 min Scan# 983
Delta R.T. 0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion:107 Resp: 218566

Ion	Ratio	Lower	Upper
107	100		
109	95.5	64.0	124.0
188	4.2	0.0	33.9

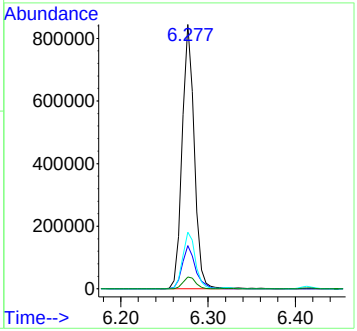


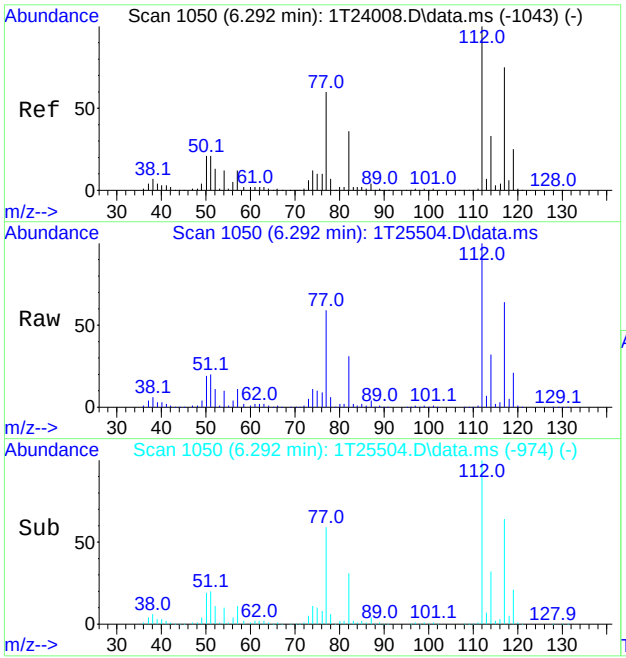


#84
n-butyl ether
Concen: 63.7794 ug/L
RT: 6.277 min Scan# 1047
Delta R.T. 0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion: 57 Resp: 814904

Ion	Ratio	Lower	Upper
57	100		
56	16.4	0.0	46.4
87	21.4	0.0	51.4
101	4.5	0.0	34.3

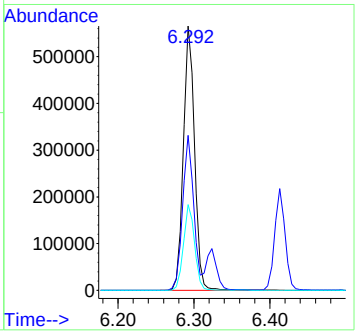


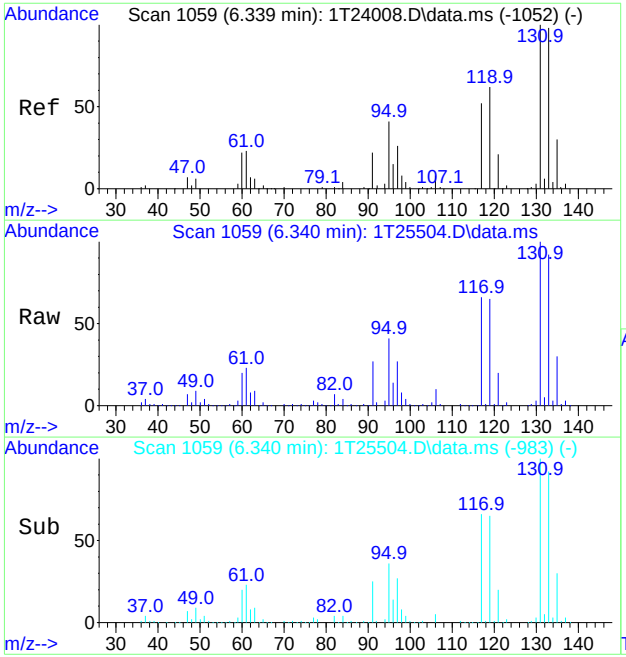


#85
chlorobenzene
Concen: 51.7172 ug/L
RT: 6.292 min Scan# 1050
Delta R.T. 0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion:112 Resp: 580393

Ion	Ratio	Lower	Upper
112	100		
77	58.6	29.6	89.6
114	32.4	3.1	63.1

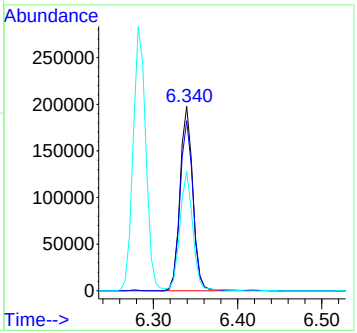


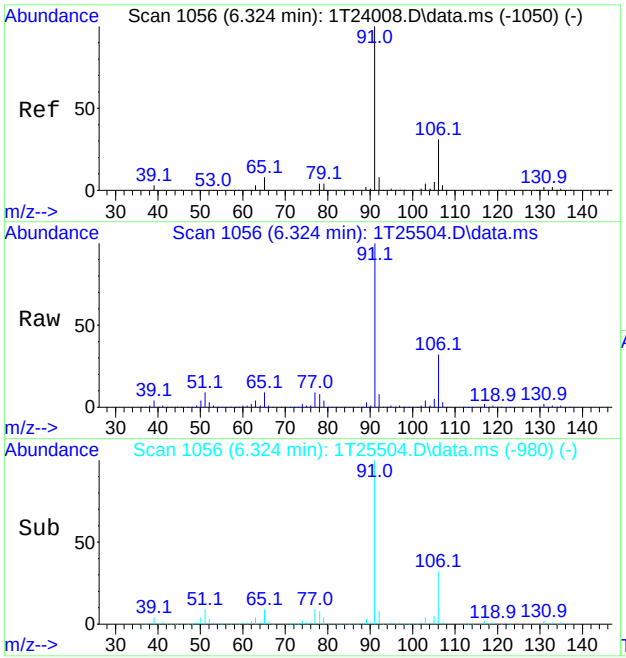


#86
1,1,1,2-tetrachloroethane
Concen: 53.6335 ug/L
RT: 6.340 min Scan# 1059
Delta R.T. 0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion:131 Resp: 208796

Ion	Ratio	Lower	Upper
131	100		
133	92.2	67.5	127.5
119	64.4	36.1	96.1

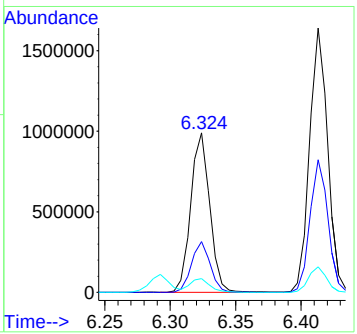




#87
ethylbenzene
Concen: 55.5293 ug/L
RT: 6.324 min Scan# 1056
Delta R.T. 0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

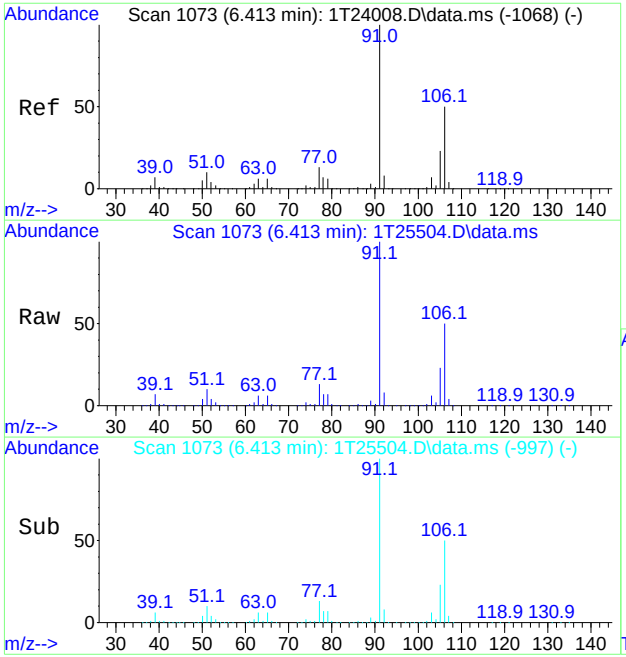
Tgt Ion: 91 Resp: 998303

Ion	Ratio	Lower	Upper
91	100		
106	31.9	1.3	61.3
51	8.7	0.0	39.0



7.4.4

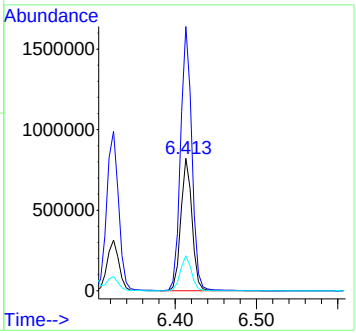
7

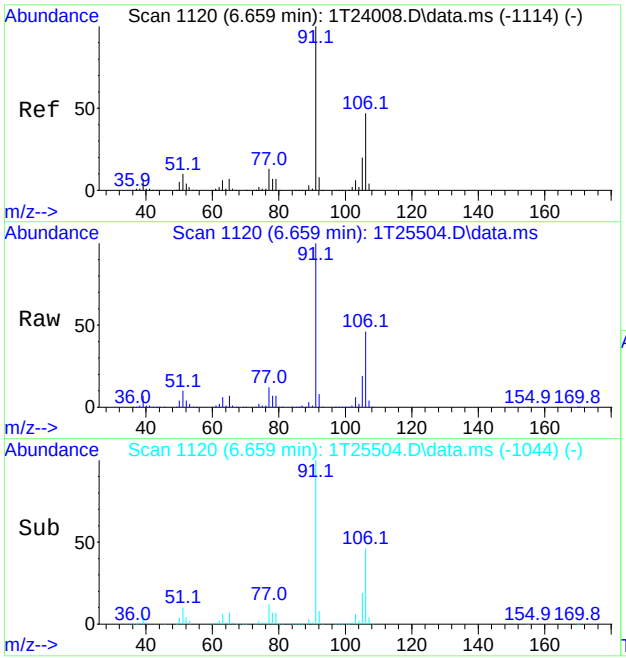


#88
m,p-xylene
Concen: 114.3197 ug/L
RT: 6.413 min Scan# 1073
Delta R.T. 0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion:106 Resp: 792123

Ion	Ratio	Lower	Upper
106	100		
91	199.5	169.8	229.8
77	26.5	6.7	46.7

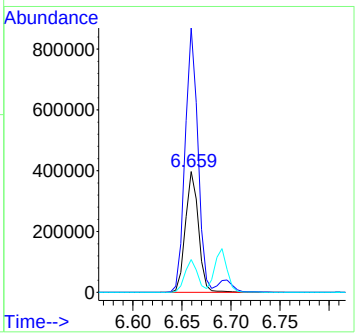


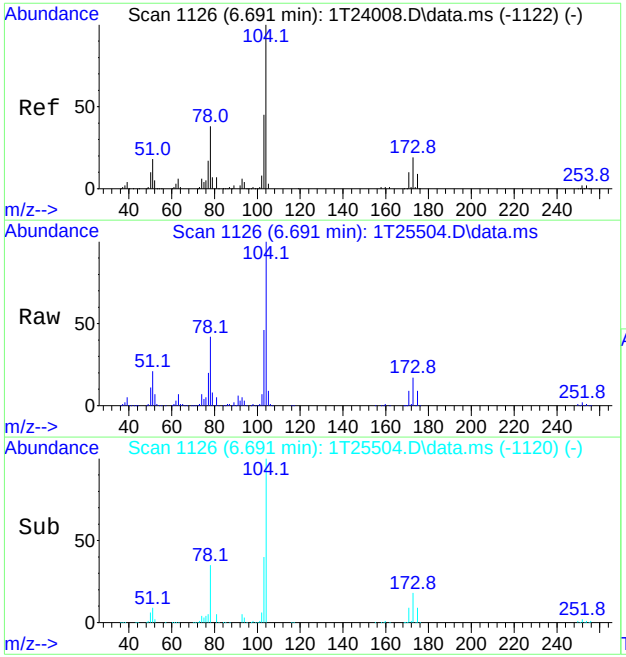


#89
o-xylene
Concen: 57.6790 ug/L
RT: 6.659 min Scan# 1120
Delta R.T. 0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion:106 Resp: 370187

Ion	Ratio	Lower	Upper
106	100		
91	218.6	181.7	241.7
77	27.3	6.5	46.5

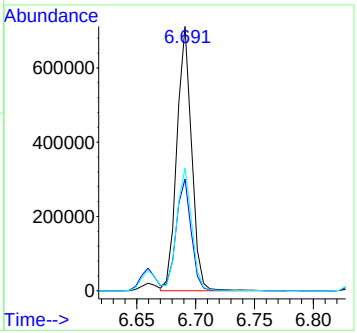


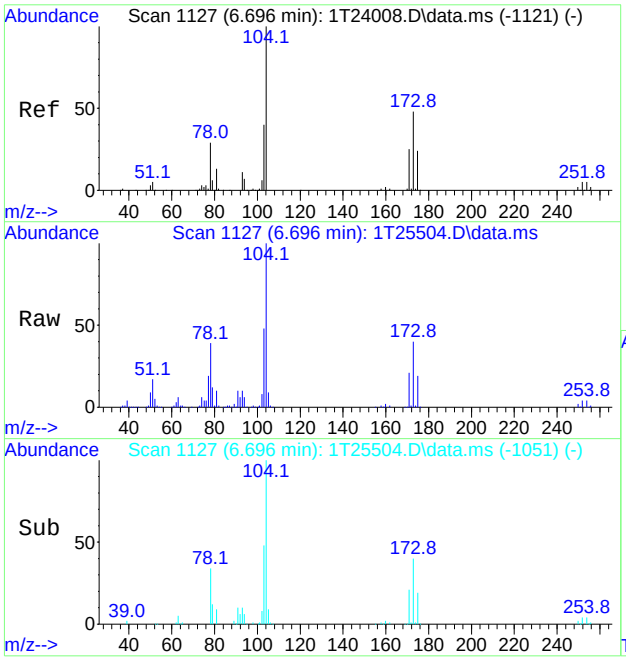


#90
styrene
Concen: 59.9453 ug/L
RT: 6.691 min Scan# 1126
Delta R.T. 0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion:104 Resp: 620263

Ion	Ratio	Lower	Upper
104	100		
78	42.3	9.6	69.6
103	46.5	16.5	76.5

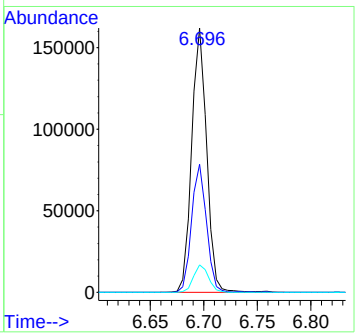


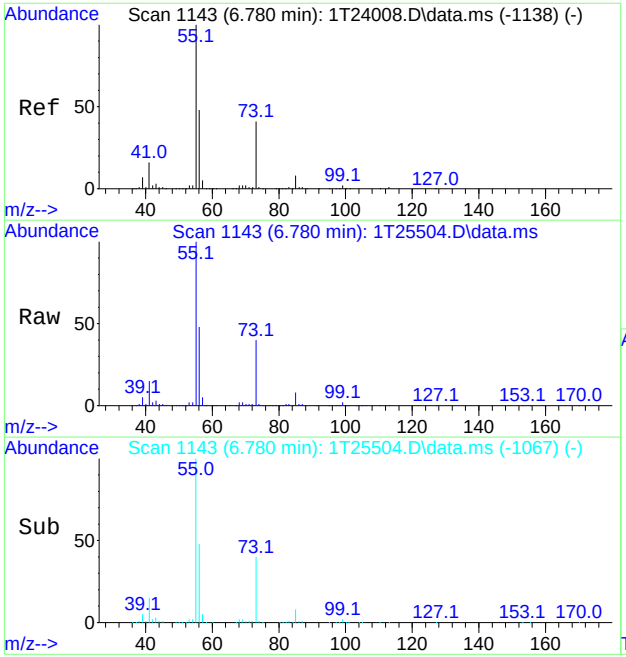


#91
bromoform
Concen: 47.2479 ug/L
RT: 6.696 min Scan# 1127
Delta R.T. 0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion:173 Resp: 158420

Ion	Ratio	Lower	Upper
173	100		
175	48.5	19.5	79.5
254	10.5	0.0	40.4

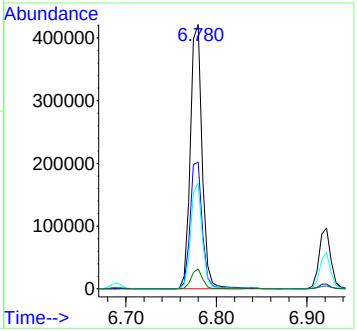


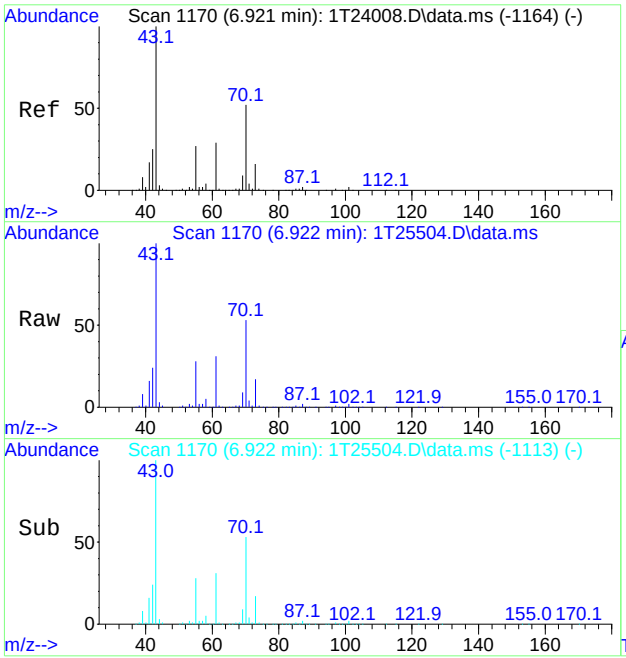


#92
butyl acrylate
Concen: 63.2282 ug/L
RT: 6.780 min Scan# 1143
Delta R.T. 0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion: 55 Resp: 383785

Ion	Ratio	Lower	Upper
55	100		
56	47.9	18.5	78.5
73	40.0	10.6	70.6
85	7.5	0.0	38.0

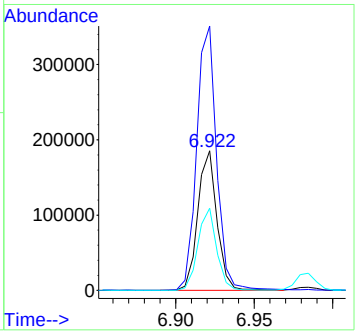


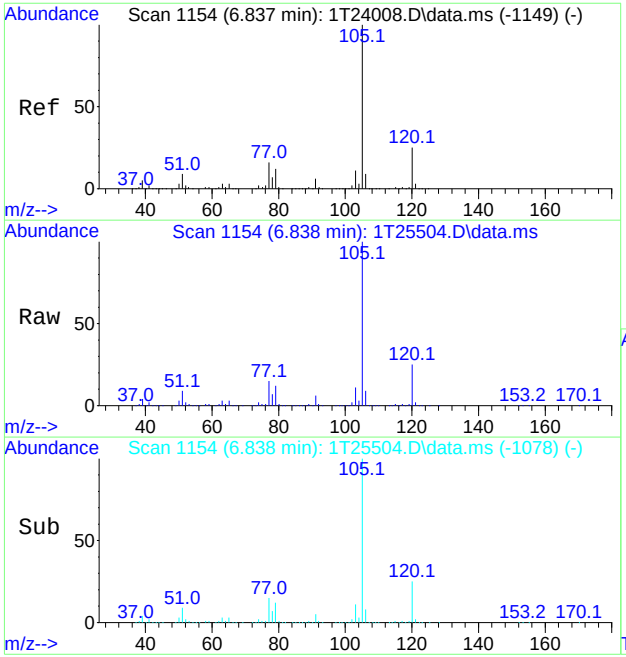


#93
n-amyl acetate
Concen: 61.2374 ug/L
RT: 6.922 min Scan# 1170
Delta R.T. 0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion: 70 Resp: 158289

Ion	Ratio	Lower	Upper
70	100		
43	189.4	171.9	211.9
61	58.9	35.4	75.4

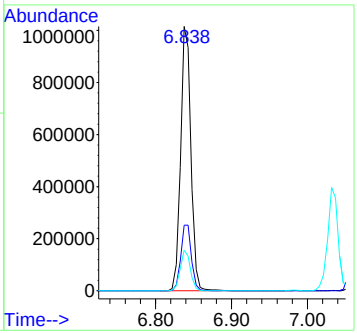


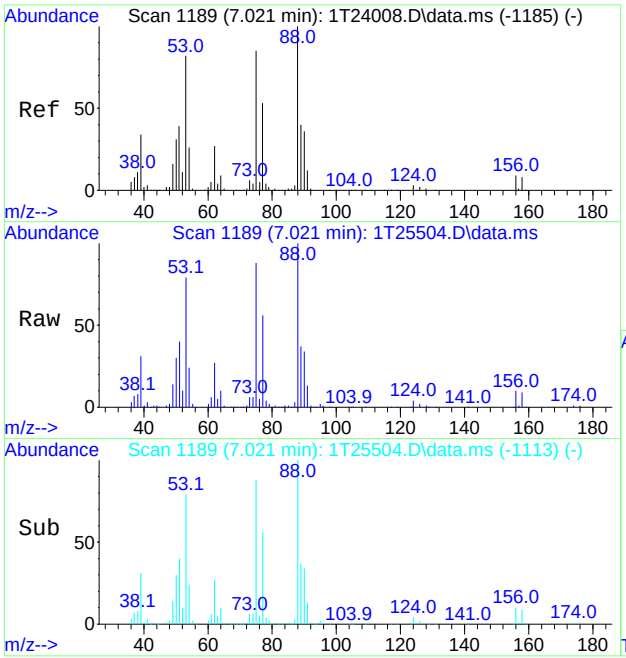


#94
isopropylbenzene
Concen: 58.7840 ug/L
RT: 6.838 min Scan# 1154
Delta R.T. 0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion:105 Resp: 958854

Ion	Ratio	Lower	Upper
105	100		
120	24.8	5.3	45.3
77	15.4	0.0	36.1

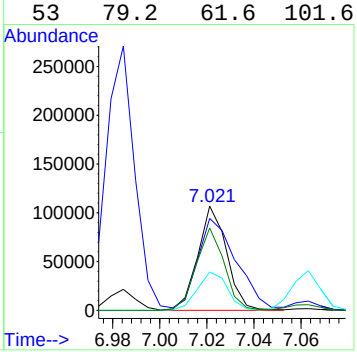


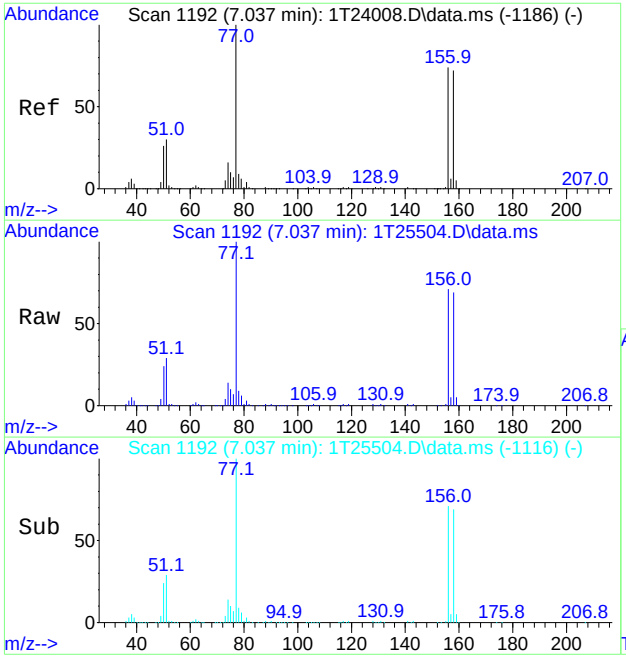


#95
cis-1,4-dichloro-2-butene
Concen: 46.1245 ug/L
RT: 7.021 min Scan# 1189
Delta R.T. 0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion: 88 Resp: 91425

Ion	Ratio	Lower	Upper
88	100		
75	85.3	67.1	107.1
89	37.1	19.7	59.7
53	79.2	61.6	101.6

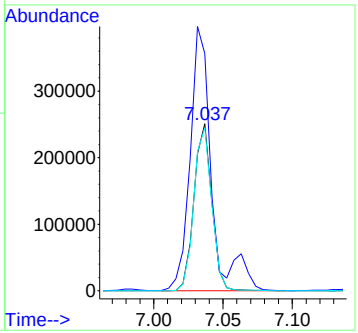


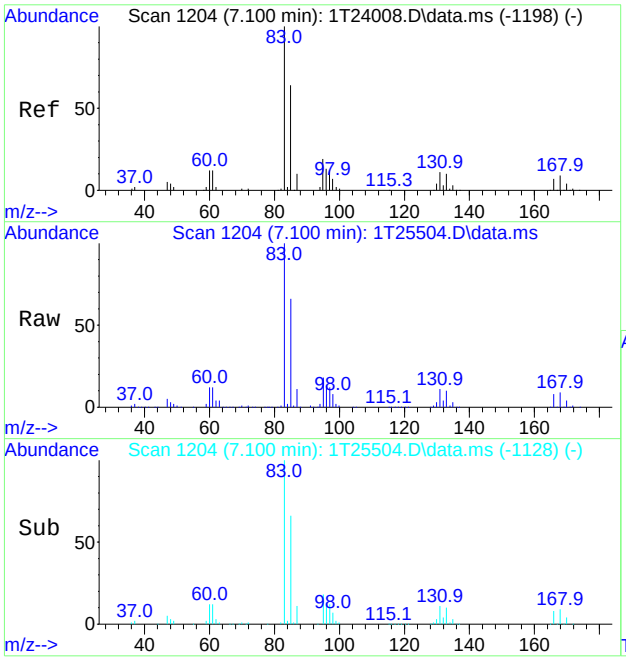


#98
bromobenzene
Concen: 50.0423 ug/L
RT: 7.037 min Scan# 1192
Delta R.T. 0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion:156 Resp: 223547

Ion	Ratio	Lower	Upper
156	100		
77	141.7	104.6	164.6
158	97.5	67.1	127.1

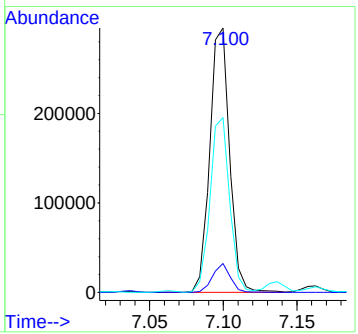


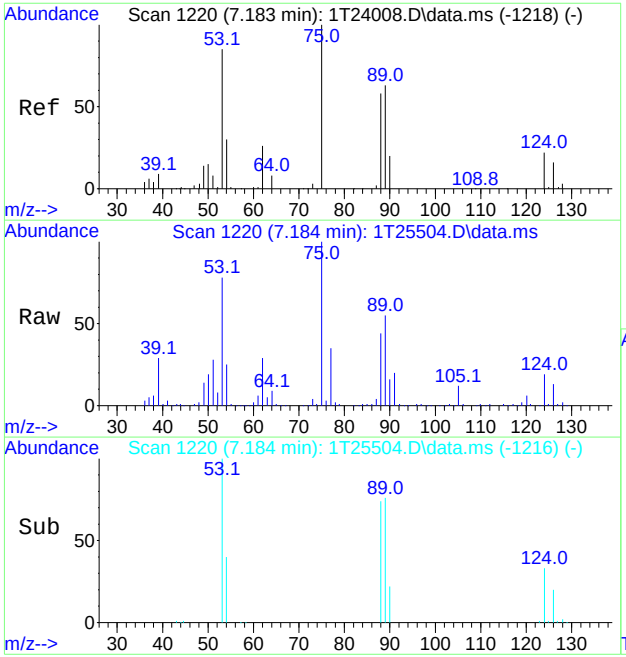


#99
1,1,2,2-tetrachloroethane
Concen: 50.2423 ug/L
RT: 7.100 min Scan# 1204
Delta R.T. 0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion: 83 Resp: 276645

Ion	Ratio	Lower	Upper
83	100		
131	10.9	0.0	40.9
85	65.7	34.4	94.4

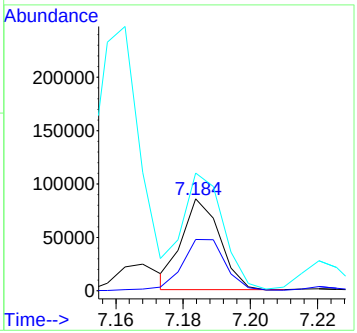


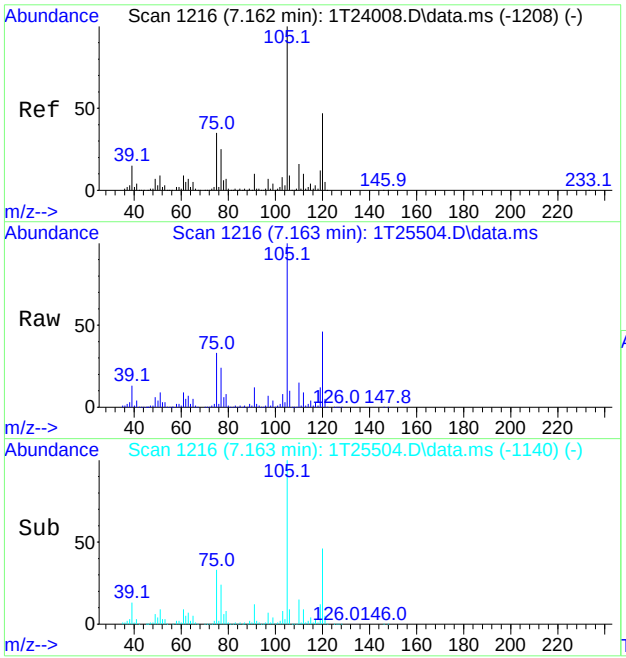


#100
trans-1,4-dichloro-2-butene
Concen: 47.0942 ug/L
RT: 7.184 min Scan# 1220
Delta R.T. 0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion: 53 Resp: 66580

Ion	Ratio	Lower	Upper
53	100		
88	55.7	29.6	89.6
75	125.7	97.1	157.1

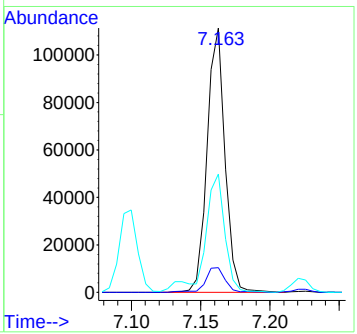


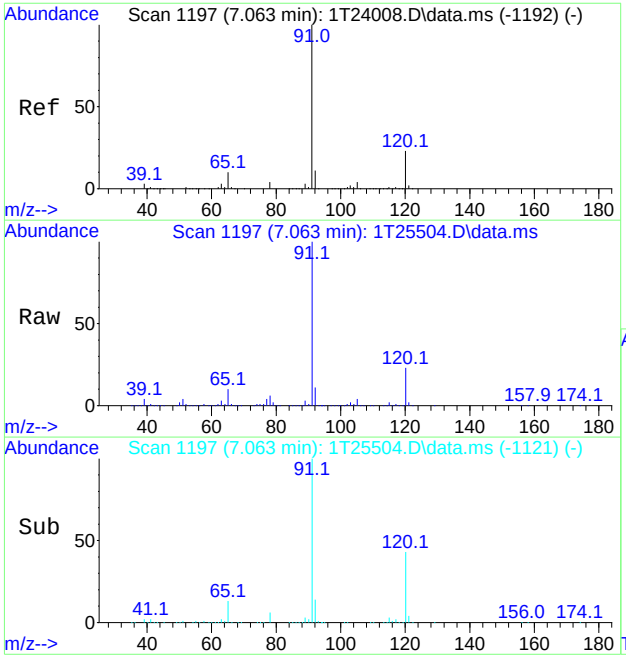


#101
1,2,3-trichloropropane
Concen: 50.8981 ug/L
RT: 7.163 min Scan# 1216
Delta R.T. 0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion:110 Resp: 99660

Ion	Ratio	Lower	Upper
110	100		
111	9.3	0.0	39.0
97	44.4	15.1	75.1

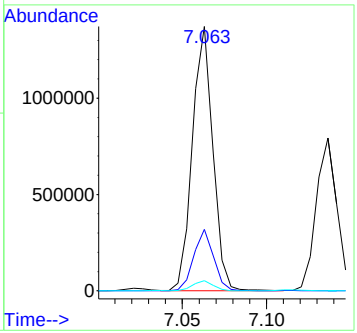


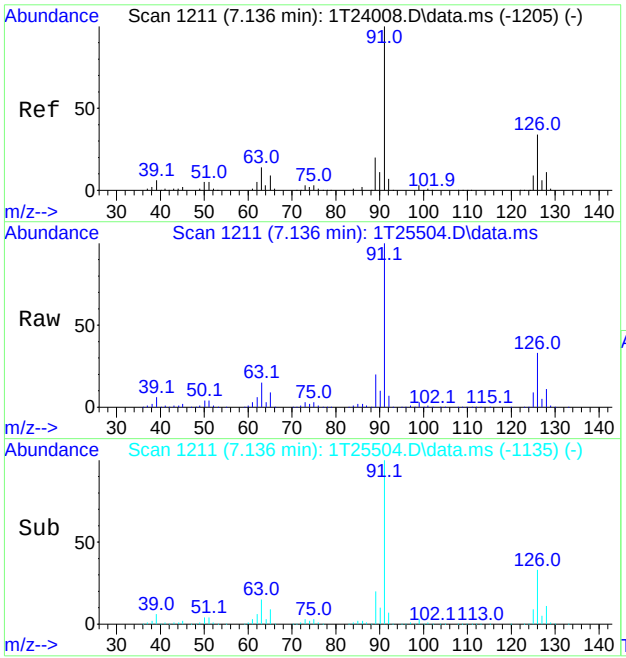


#102
n-propylbenzene
Concen: 58.7154 ug/L
RT: 7.063 min Scan# 1197
Delta R.T. 0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion: 91 Resp: 1160511

Ion	Ratio	Lower	Upper
91	100		
120	23.2	0.0	53.1
105	3.8	0.0	33.9

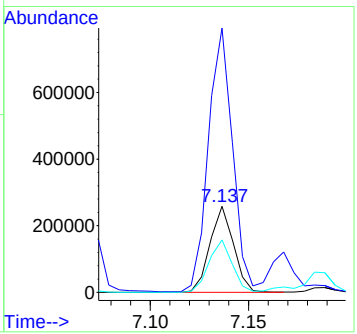


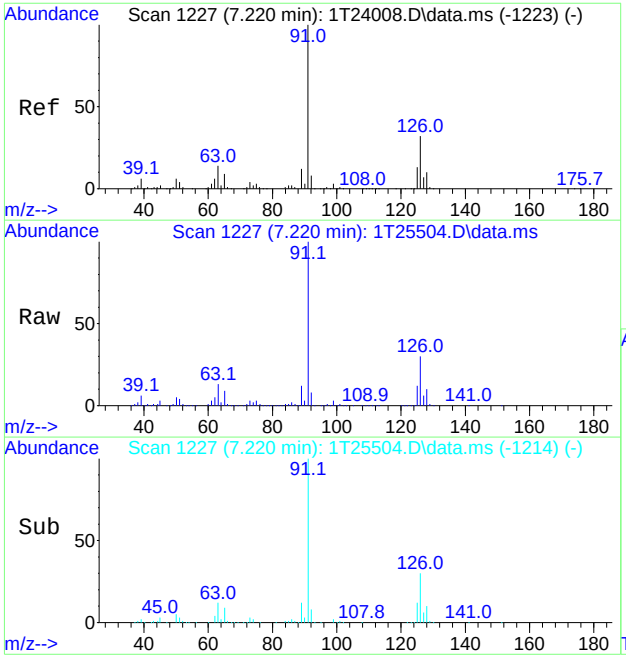


#103
2-chlorotoluene
Concen: 53.9131 ug/L
RT: 7.136 min Scan# 1211
Delta R.T. 0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion:126 Resp: 216984

Ion	Ratio	Lower	Upper
126	100		
91	306.4	263.0	323.0
89	60.9	27.6	87.6

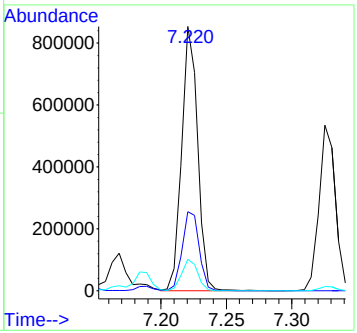


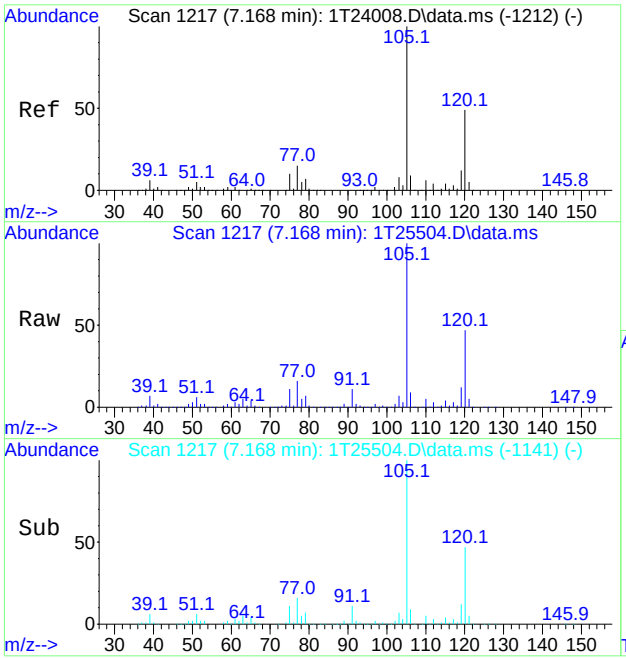


#104
4-chlorotoluene
Concen: 57.7768 ug/L
RT: 7.220 min Scan# 1227
Delta R.T. 0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion: 91 Resp: 724135

Ion	Ratio	Lower	Upper
91	100		
126	29.9	2.2	62.2
89	11.9	0.0	42.5

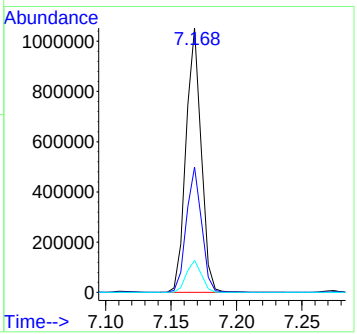


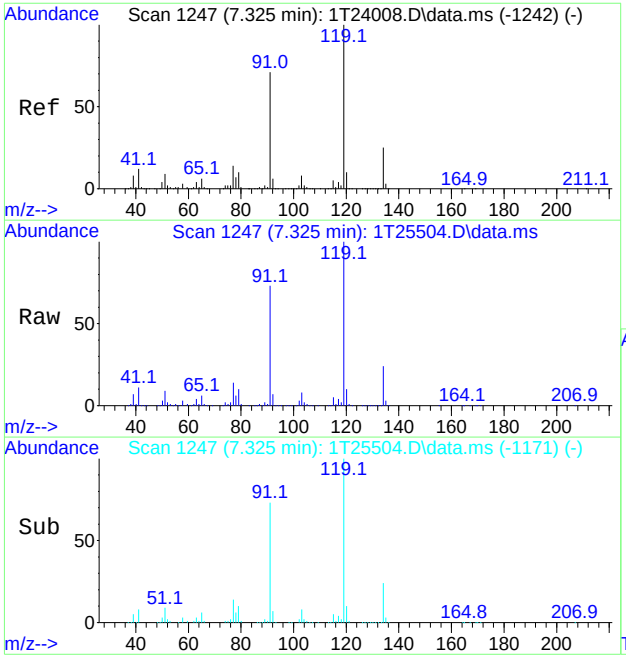


#105
1,3,5-trimethylbenzene
Concen: 61.9882 ug/L
RT: 7.168 min Scan# 1217
Delta R.T. 0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion:105 Resp: 849131

Ion	Ratio	Lower	Upper
105	100		
120	47.4	19.0	79.0
119	12.1	0.0	42.2

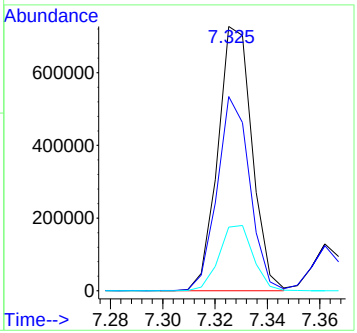


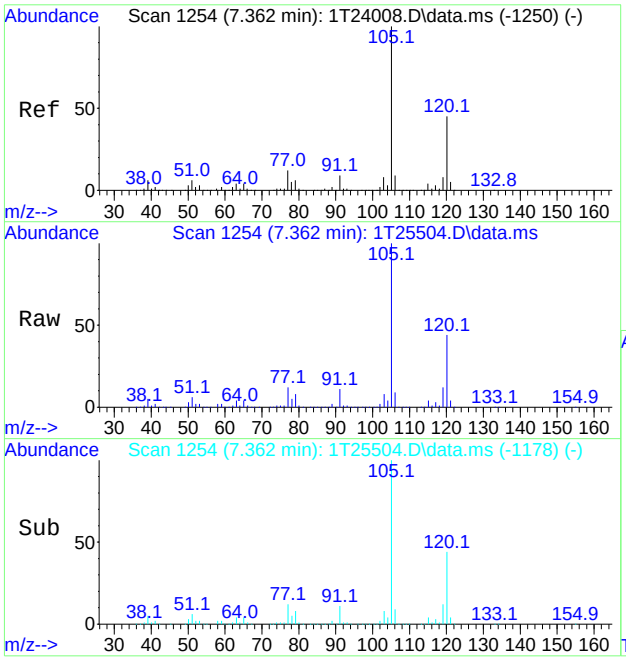


#106
tert-butylbenzene
Concen: 61.2262 ug/L
RT: 7.325 min Scan# 1247
Delta R.T. 0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion:119 Resp: 663504

Ion	Ratio	Lower	Upper
119	100		
91	73.4	40.9	100.9
134	24.1	0.0	54.5

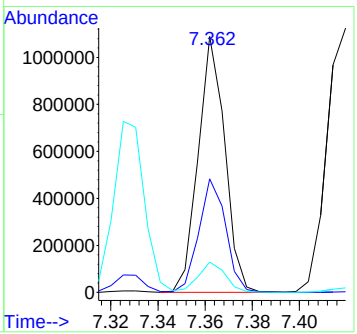


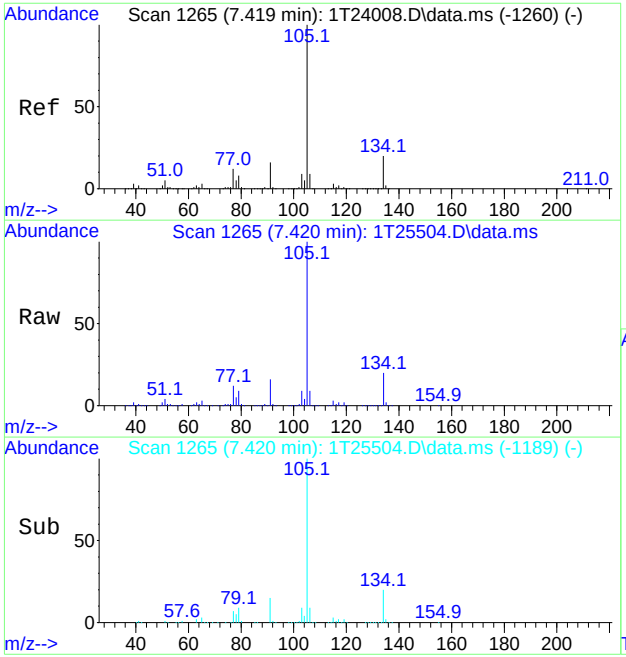


#107
1,2,4-trimethylbenzene
Concen: 62.1579 ug/L
RT: 7.362 min Scan# 1254
Delta R.T. 0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion:105 Resp: 860180

Ion	Ratio	Lower	Upper
105	100		
120	44.4	15.8	75.8
119	11.8	0.0	42.2

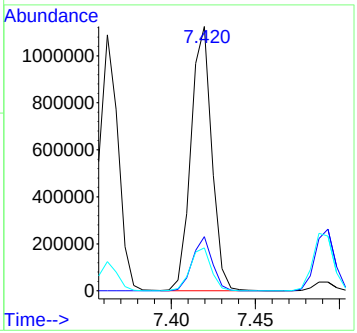


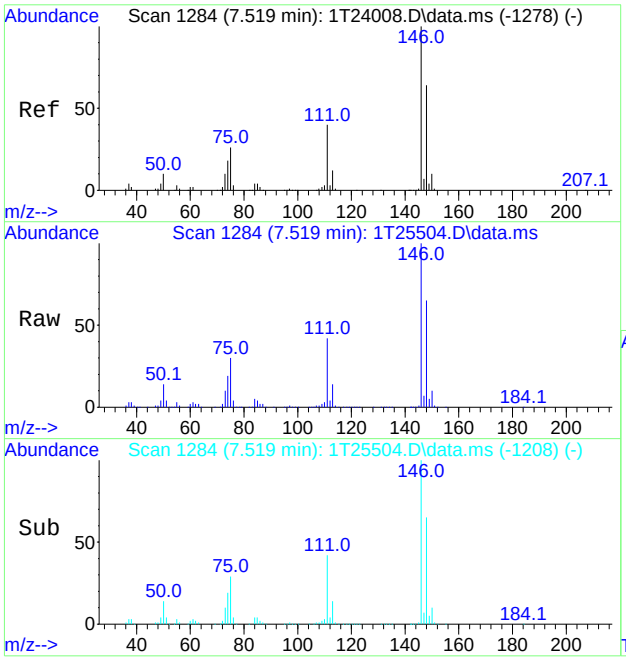


#108
sec-butylbenzene
Concen: 62.3821 ug/L
RT: 7.420 min Scan# 1265
Delta R.T. 0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion:105 Resp: 967723

Ion	Ratio	Lower	Upper
105	100		
134	20.5	0.0	50.4
91	16.2	0.0	45.8

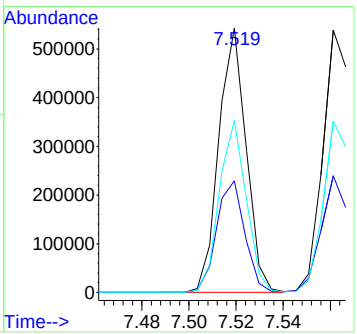


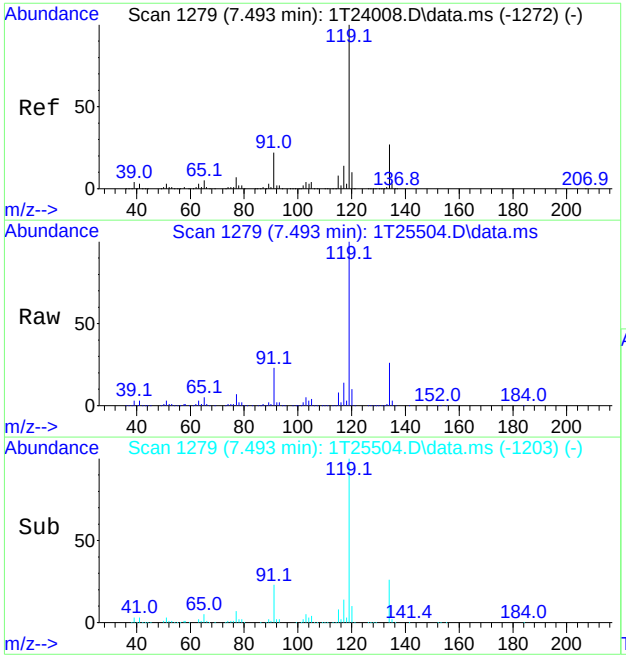


#109
1,3-dichlorobenzene
Concen: 52.8002 ug/L
RT: 7.519 min Scan# 1284
Delta R.T. 0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion:146 Resp: 439157

Ion	Ratio	Lower	Upper
146	100		
111	42.2	9.6	69.6
148	65.1	33.7	93.7

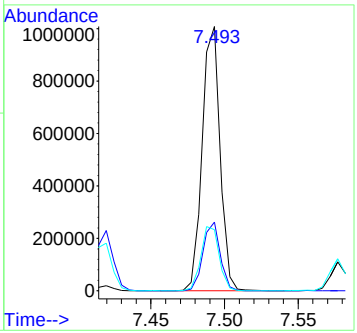


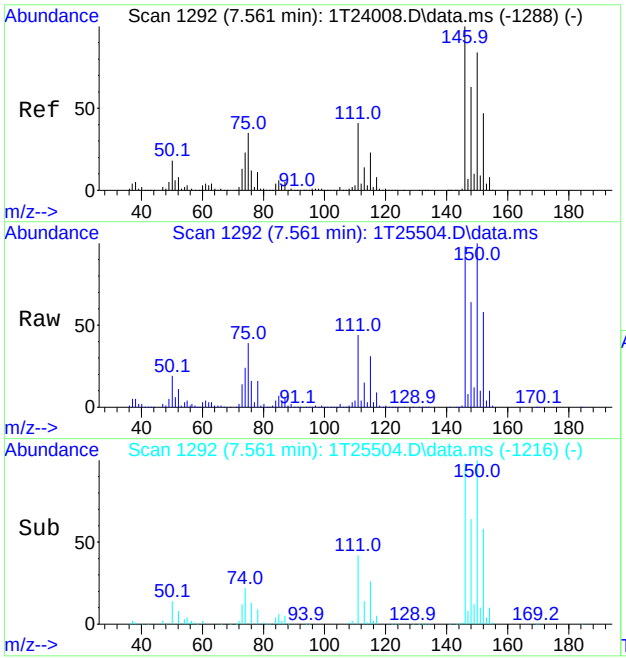


#110
p-isopropyltoluene
Concen: 63.3245 ug/L
RT: 7.493 min Scan# 1279
Delta R.T. 0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion:119 Resp: 846912

Ion	Ratio	Lower	Upper
119	100		
134	26.0	0.0	56.8
91	23.0	0.0	52.2

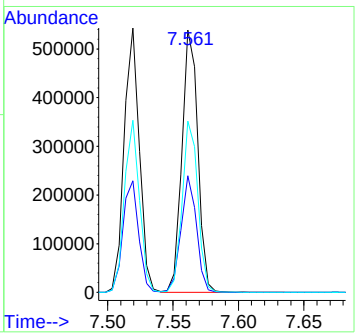


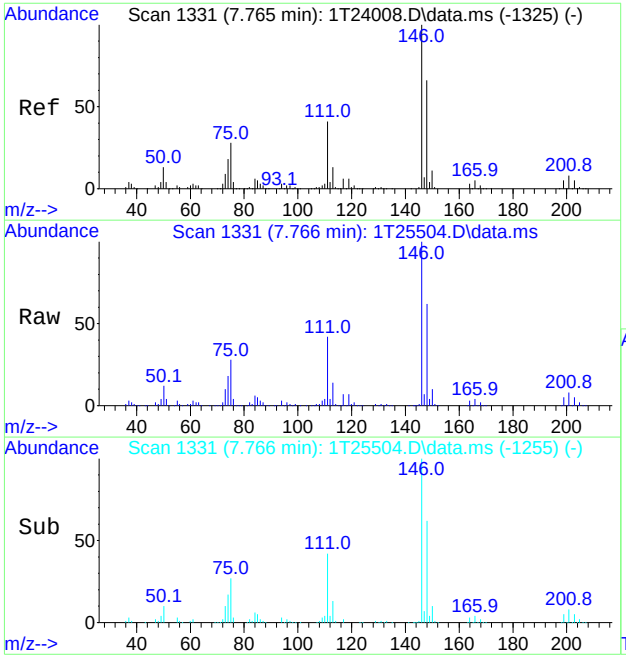


#111
1,4-dichlorobenzene
Concen: 50.9537 ug/L
RT: 7.561 min Scan# 1292
Delta R.T. 0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion:146 Resp: 455266

Ion	Ratio	Lower	Upper
146	100		
111	44.5	10.8	70.8
148	65.3	33.2	93.2

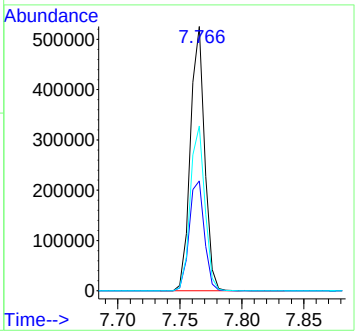


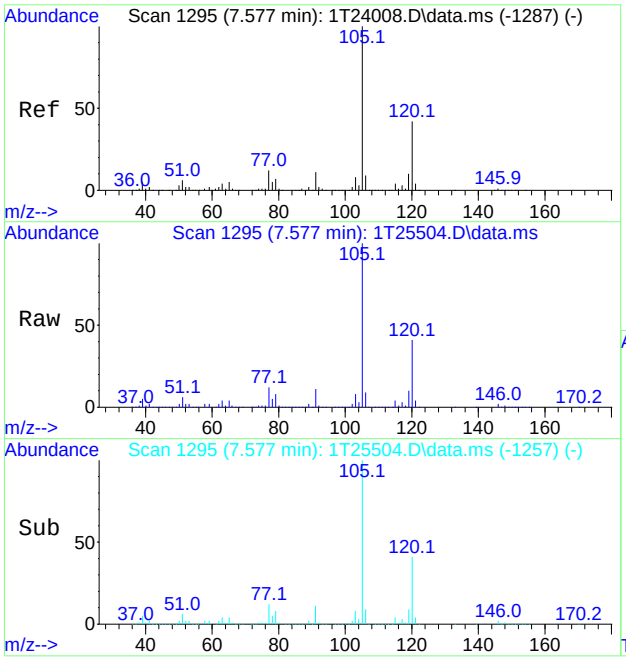


#112
1,2-dichlorobenzene
Concen: 52.4085 ug/L
RT: 7.766 min Scan# 1331
Delta R.T. 0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion:146 Resp: 422653

Ion	Ratio	Lower	Upper
146	100		
111	41.5	11.3	71.3
148	62.4	36.2	96.2

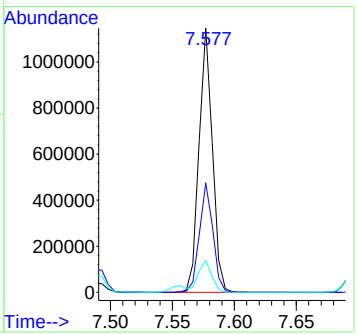


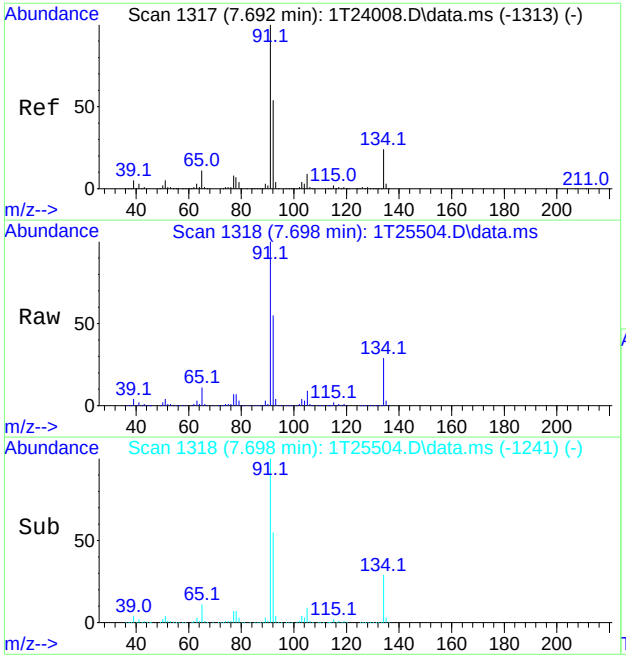


#113
1,2,3-trimethylbenzene
Concen: 55.9133 ug/L
RT: 7.577 min Scan# 1295
Delta R.T. 0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion:105 Resp: 868040

Ion	Ratio	Lower	Upper
105	100		
120	41.4	12.2	72.2
77	12.0	0.0	41.7

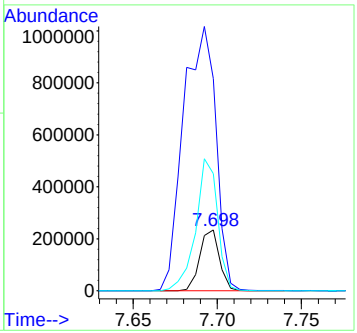


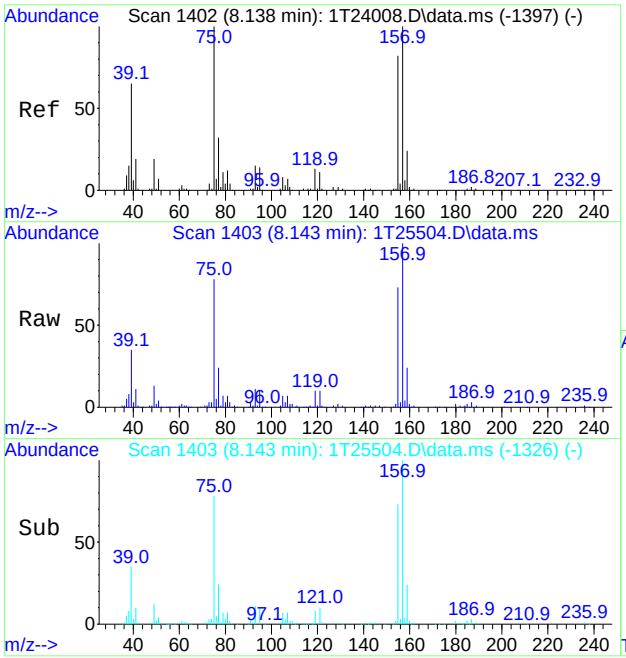


#114
n-butylbenzene
Concen: 59.3947 ug/L
RT: 7.698 min Scan# 1318
Delta R.T. 0.006 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion:134 Resp: 191896

Ion	Ratio	Lower	Upper
134	100		
91	348.3	429.9	489.9#
92	192.6	199.0	259.0#

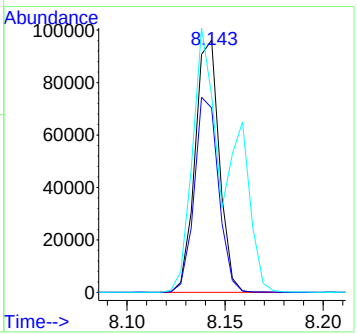


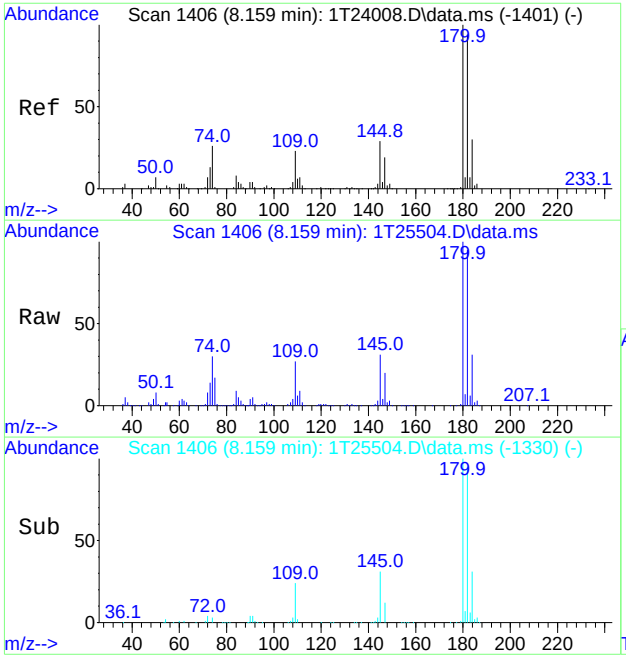


#115
1,2-dibromo-3-chloropropane
Concen: 50.8901 ug/L
RT: 8.143 min Scan# 1403
Delta R.T. 0.005 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion:157 Resp: 83014

Ion	Ratio	Lower	Upper
157	100		
155	73.1	51.9	111.9
75	78.0	70.0	130.0

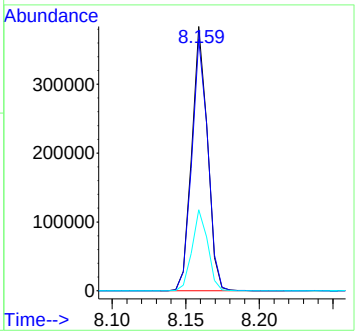


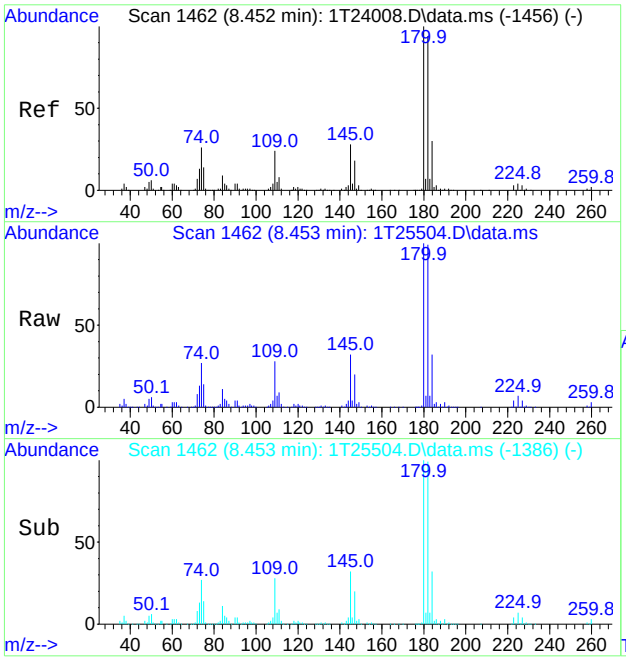


#116
1,3,5-trichlorobenzene
Concen: 53.7079 ug/L
RT: 8.159 min Scan# 1406
Delta R.T. 0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion:180 Resp: 284445

Ion	Ratio	Lower	Upper
180	100		
182	95.1	73.5	113.5
184	30.7	10.1	50.1

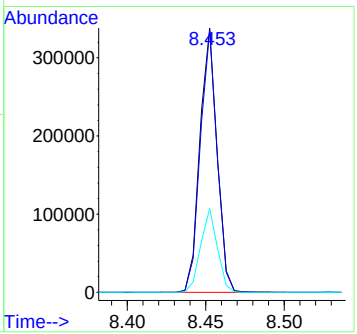


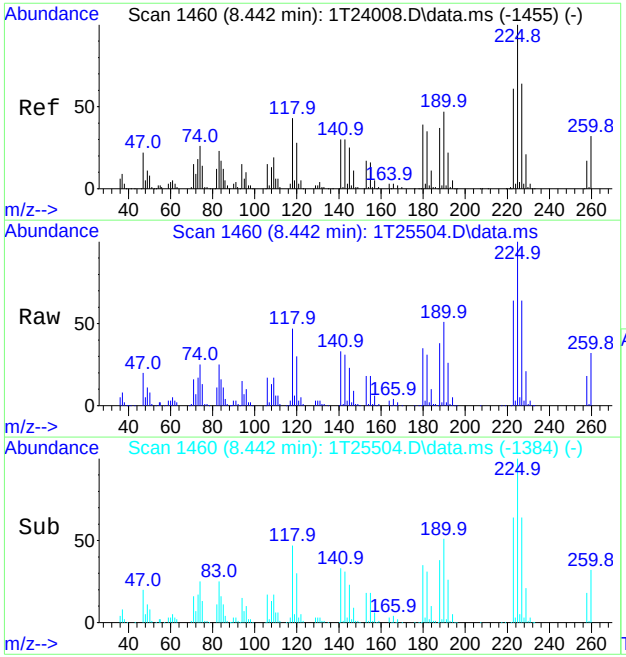


#117
1,2,4-trichlorobenzene
Concen: 56.3928 ug/L
RT: 8.453 min Scan# 1462
Delta R.T. 0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion:180 Resp: 257792

Ion	Ratio	Lower	Upper
180	100		
182	99.1	64.0	124.0
184	31.7	0.0	59.7

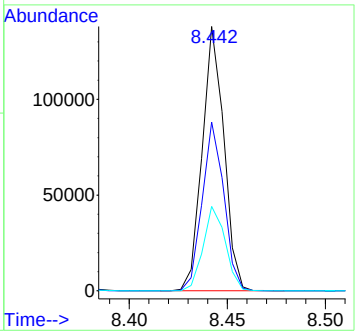


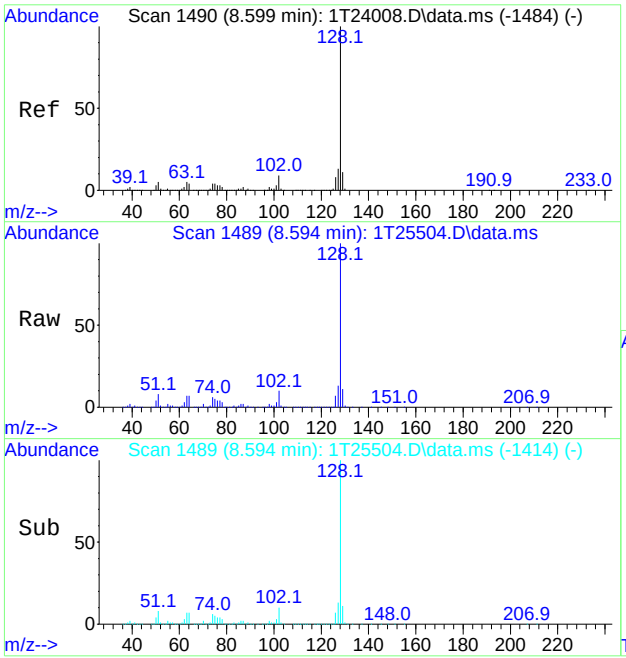


#118
hexachlorobutadiene
Concen: 55.1781 ug/L
RT: 8.442 min Scan# 1460
Delta R.T. 0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion:225 Resp: 106216

Ion	Ratio	Lower	Upper
225	100		
227	63.8	34.1	94.1
260	31.9	1.5	61.5

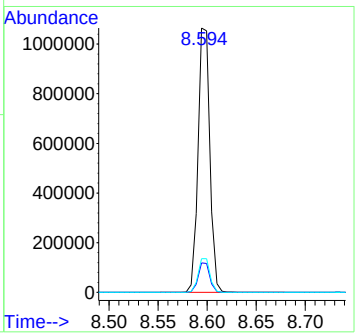


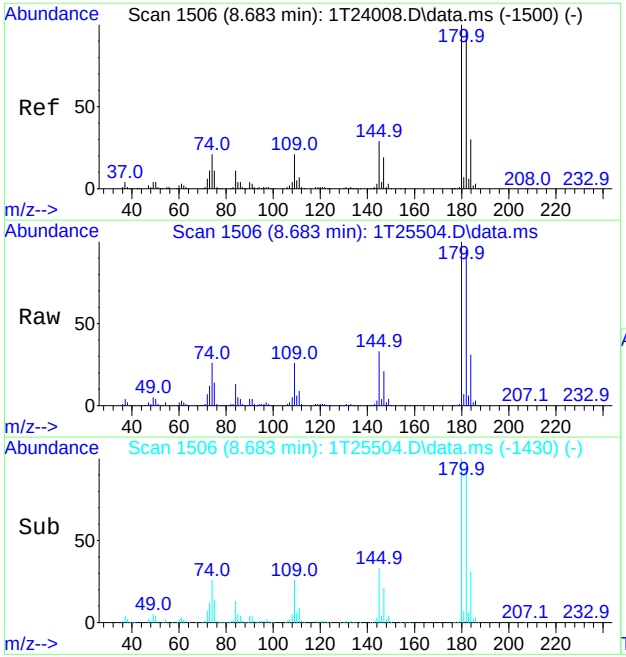


#119
naphthalene
Concen: 64.7296 ug/L
RT: 8.594 min Scan# 1489
Delta R.T. -0.005 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion:128 Resp: 893277

Ion	Ratio	Lower	Upper
128	100		
129	11.1	0.0	40.7
127	12.8	0.0	43.4

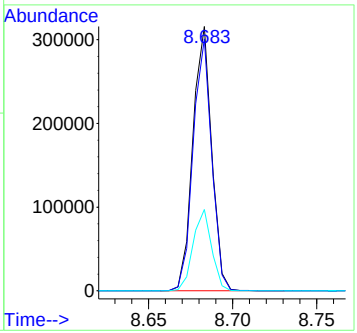


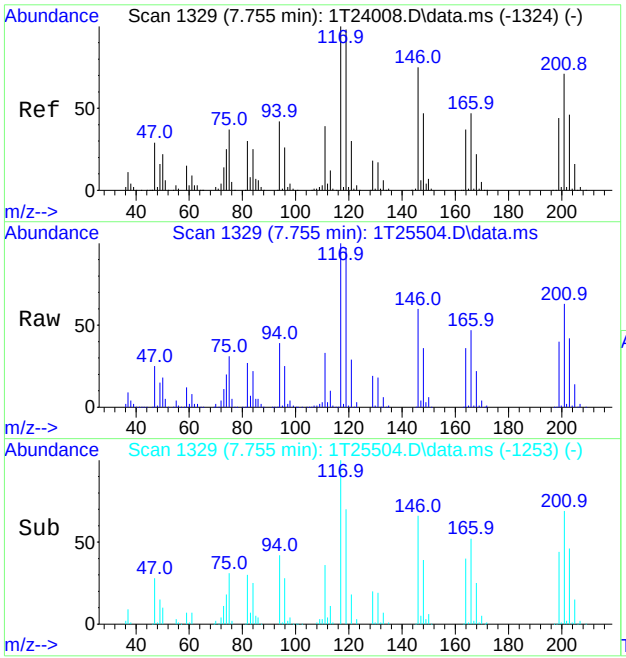


#120
1,2,3-trichlorobenzene
Concen: 56.5799 ug/L
RT: 8.683 min Scan# 1506
Delta R.T. 0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion:180 Resp: 245158

Ion	Ratio	Lower	Upper
180	100		
182	95.3	66.5	126.5
184	30.7	0.0	59.6

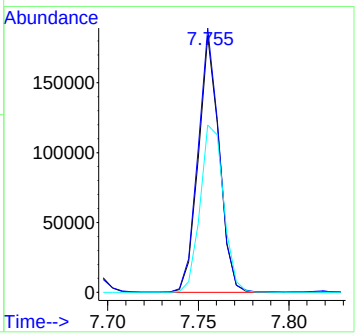


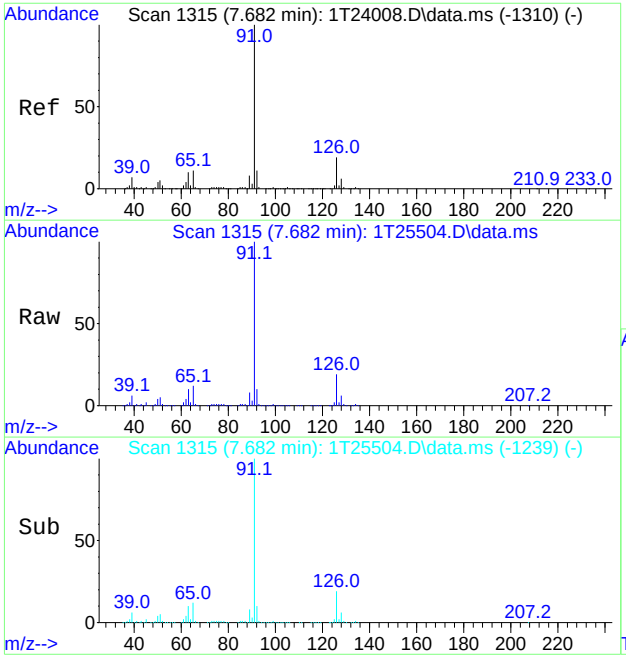


#121
hexachloroethane
Concen: 54.9970 ug/L
RT: 7.755 min Scan# 1329
Delta R.T. 0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion:119 Resp: 146548

Ion	Ratio	Lower	Upper
119	100		
117	102.9	71.7	131.7
201	65.2	42.0	102.0

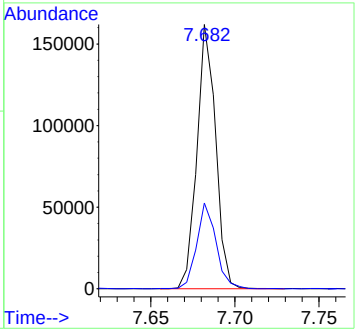


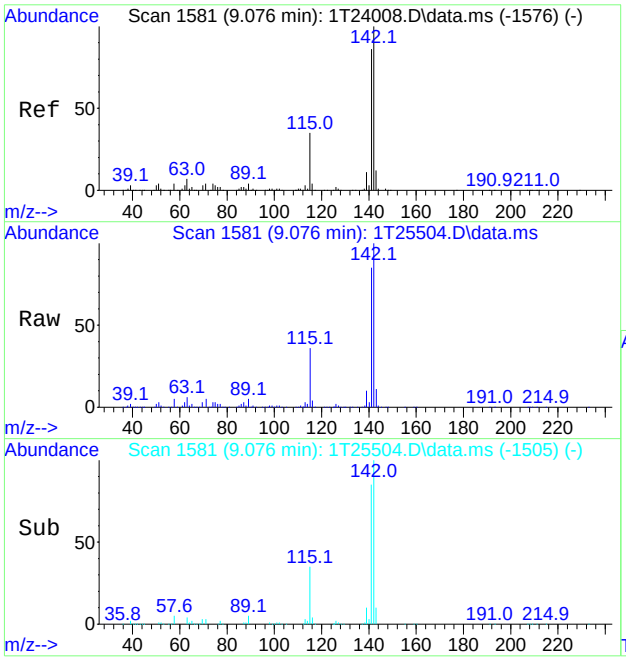


#122
benzyl chloride
Concen: 55.5067 ug/L
RT: 7.682 min Scan# 1315
Delta R.T. 0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion:126 Resp: 125457

Ion	Ratio	Lower	Upper
126	100		
128	32.5	1.7	61.7

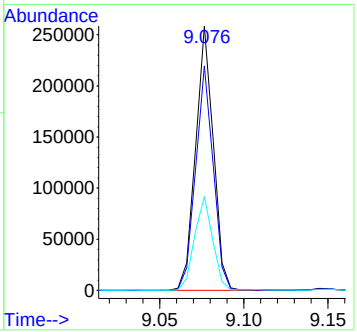




#123
2-methylnaphthalene
Concen: 26.4544 ug/L
RT: 9.076 min Scan# 1581
Delta R.T. 0.000 min
Lab File: 1T25504.D
Acq: 20 Oct 2025 04:50 pm

Tgt Ion:142 Resp: 190553

Ion	Ratio	Lower	Upper
142	100		
141	84.9	55.9	115.9
115	35.4	5.4	65.4



Manual Integration Approval Summary

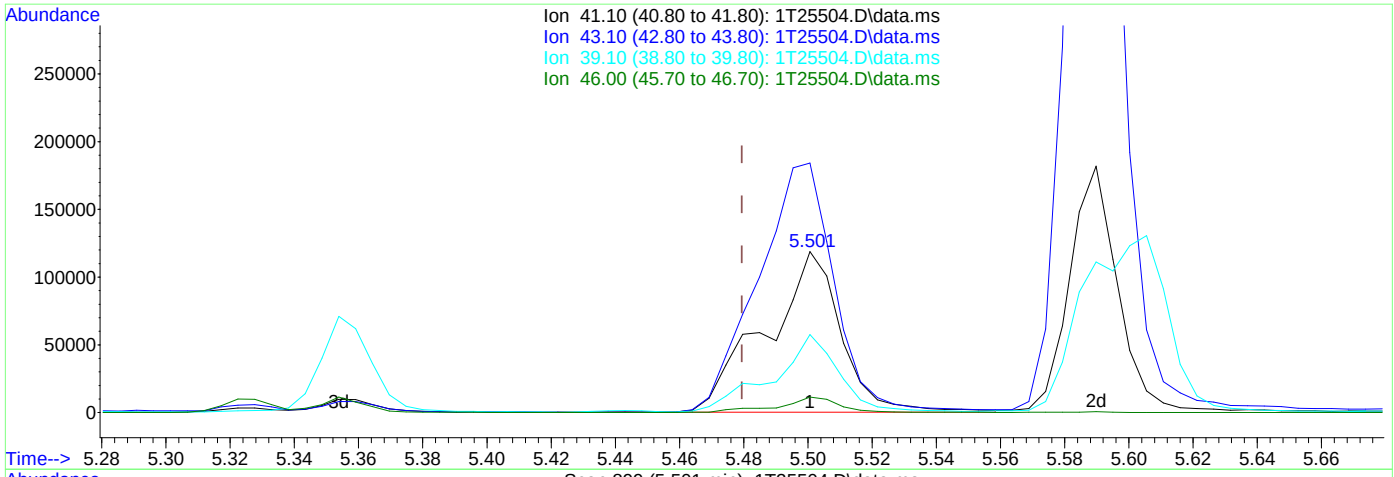
Sample Number:	JE21330-9MSD	**Method:**	SW846 8260D
Lab FileID:	1T25504.D	**Analyst approved:**	10/21/25 22:50 Nizel Eugenio
Injection Time:	10/20/25 16:50	**Supervisor approved:**	10/21/25 22:56 Nizel Eugenio

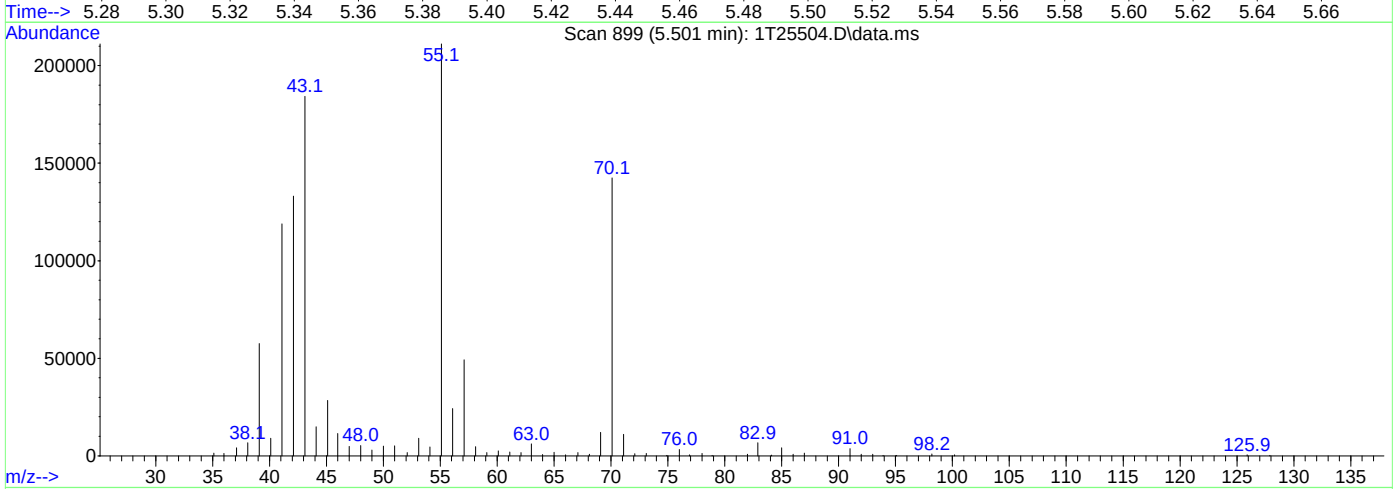
Parameter	CAS	Sig#	R.T. (min.)	Reason
2-Nitropropane	79-46-9		5.48	Overlapping peak

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\andresa\10. October\20251021\v1t610\
Data File : 1T25504.D
Acq On : 20 Oct 2025 04:50 pm
Operator : edwardd
Sample : JE21330-9msd Inst : GCMST
Misc : MS98282,V1T0610,5,,,,25
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Oct 21 13:40:44 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 11:55:28 2025
Response via : Initial Calibration





TIC: 1T25504.D\data.ms

(61) 2-nitropropane

5.501min (+0.021) 134.81ug/L

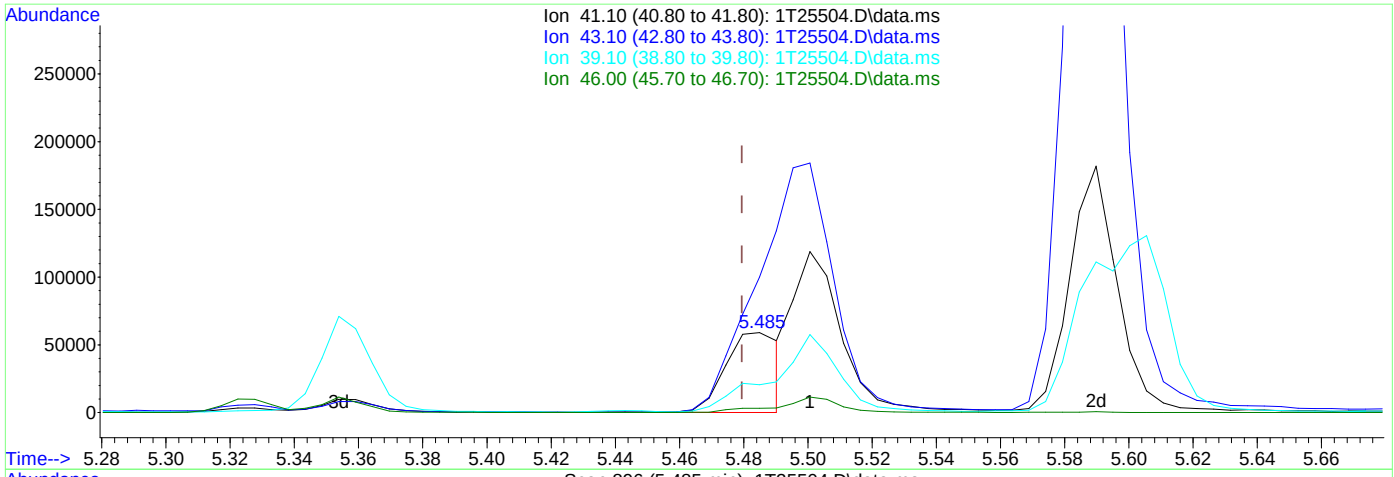
response 195691

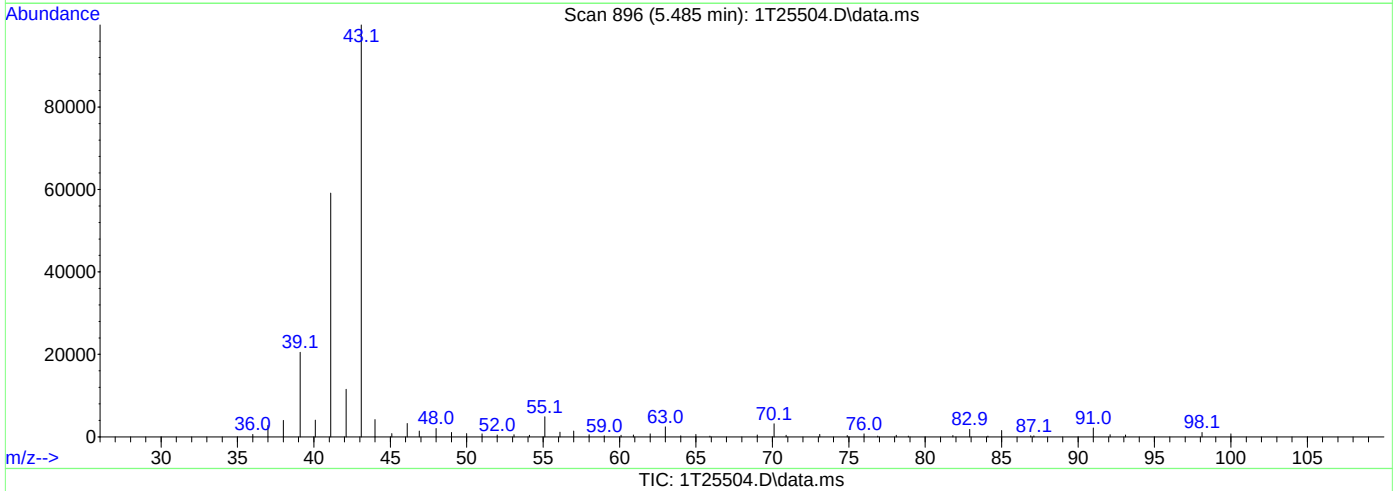
Ion	Exp%	Act%
41.10	100	100
43.10	126.20	155.07
39.10	41.90	48.22
46.00	7.20	9.64

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\andresa\10. October\20251021\v1t610\
Data File : 1T25504.D
Acq On : 20 Oct 2025 04:50 pm
Operator : edwardd
Sample : JE21330-9msd Inst : GCMST
Misc : MS98282,V1T0610,5,,,,25
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Oct 21 13:40:44 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 11:55:28 2025
Response via : Initial Calibration





TIC: 1T25504.D\data.ms

(61) 2-nitropropane

5.485min (+0.006) 46.87ug/L m

response 68032

Ion	Exp%	Act%
41.10	100	100
43.10	126.20	169.03#
39.10	41.90	34.72
46.00	7.20	5.52

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\michaellab\10-23-2025\VL11478\
Data File : L373959.d
Acq On : 23 Oct 2025 2:31 am
Operator : BridgetK
Sample : je21501-1ms Inst : GCMSL
Misc : MS98380,VL11478,5,,,,1
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Oct 23 08:25:57 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 13:39:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	2.607	65	227817	500.00	ug/L	0.00
5) pentafluorobenzene	3.746	168	200285	50.00	ug/L	0.00
51) 1,4-difluorobenzene	4.285	114	337306	50.00	ug/L	0.00
72) chlorobenzene-d5	6.608	117	258680	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	8.774	152	130421	50.00	ug/L	0.00
124) pentafluorobenzene(a)	3.746	168	200285	50.00	ug/L	0.00
131) 1,4-dichlorobenzene-d4(a)	8.774	152	130421	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	3.749	113	102554	49.05	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.10%			
52) 1,2-dichloroethane-d4 (s)	3.983	65	118399	48.25	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 96.50%			
73) toluene-d8 (s)	5.389	98	377605	50.33	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.66%			
97) 4-bromofluorobenzene (s)	7.677	95	133712	47.78	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 95.56%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.702	88	76123	1211.2237	ug/L	97
3) ethanol	2.084	45	231875	4804.8952	ug/L	96
4) tertiary butyl alcohol	2.658	59	168952	239.8420	ug/L	97
6) chlorodifluoromethane	1.365	51	112615	38.3535	ug/L	97
7) dichlorodifluoromethane	1.352	85	135965	45.8331	ug/L	100
8) chloromethane	1.484	50	100872	35.4289	ug/L	97
9) vinyl chloride	1.554	62	173991	61.7520	ug/L	100
10) 1,3-butadiene	1.580	54	105283	40.3895	ug/L	98
11) bromomethane	1.766	96	29078	41.5029	ug/L	95
12) chloroethane	1.837	64	49455	41.8419	ug/L	96
13) trichlorofluoromethane	1.997	101	197193	55.0401	ug/L	99
14) ethyl ether	2.161	74	55264	46.3131	ug/L	97
15) acrolein	2.251	56	23741	46.4331	ug/L	99
16) freon 113	2.318	151	76960	50.9782	ug/L	91
17) 1,1-dichloroethene	2.318	96	201365	106.7288	ug/L	99
18) acetone	2.334	58	69231	186.4678	ug/L	95
19) acetonitrile	2.511	40	128036	440.0917	ug/L	96
20) iodomethane	2.421	142	49950	34.2838	ug/L	96
21) iso-butyl alcohol	3.897	43	103885	411.5340	ug/L	98
22) carbon disulfide	2.472	76	256065	43.1493	ug/L	99
23) methylene chloride	2.623	84	160562	68.9554	ug/L	96
24) methyl acetate	2.523	74	25683	43.7889	ug/L #	81
25) methyl tert butyl ether	2.777	73	313892	50.2915	ug/L	99
26) trans-1,2-dichloroethene	2.790	96	108866	50.7475	ug/L	95
27) hexane	2.957	57	129068	48.7048	ug/L	97
28) di-isopropyl ether	3.066	45	304764	46.6479	ug/L	95
29) ethyl tert-butyl ether	3.297	59	325926	48.5686	ug/L	98
30) 2-butanone	3.409	72	92390	197.8209	ug/L	97
31) 1,1-dichloroethane	3.066	63	237816	58.6865	ug/L	99
32) chloroprene	3.114	53	177225	50.8334	ug/L	99
33) acrylonitrile	2.761	53	61755	55.2163	ug/L	97
34) vinyl acetate	3.046	86	24019	45.2970	ug/L #	92
35) ethyl acetate	3.419	45	25530	44.1862	ug/L #	85
36) 2,2-dichloropropane	3.438	77	167018	45.7458	ug/L	99
37) cis-1,2-dichloroethene	3.431	96	149538	63.4415	ug/L	93
38) propionitrile	3.454	54	286449	450.1896	ug/L	95
39) methyl acrylate	3.460	85	25105	50.4684	ug/L #	91
40) bromochloromethane	3.589	128	51321	49.4418	ug/L #	82

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\michaellab\10-23-2025\VL11478\
Data File : L373959.d
Acq On : 23 Oct 2025 2:31 am
Operator : BridgetK
Sample : je21501-1ms Inst : GCMSL
Misc : MS98380,VL11478,5,,,,1
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Oct 23 08:25:57 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 13:39:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) tetrahydrofuran	3.595	72	25542	43.8867	ug/L		84
42) chloroform	3.640	83	2396234	532.8591	ug/L		95
44) methacrylonitrile	3.550	67	63999	47.1625	ug/L		94
45) 1,1,1-trichloroethane	3.768	97	184369	51.7776	ug/L		96
46) cyclohexane	3.823	84	148897	50.3223	ug/L		98
47) 1,1-dichloropropene	3.871	75	159085	55.0909	ug/L		99
48) carbon tetrachloride	3.874	117	166337	57.3074	ug/L		99
49) isopropyl acetate	3.999	87	30260	46.9756	ug/L		96
50) tert amyl alcohol	3.980	55	51515	204.2808	ug/L		93
53) tert-amyl methyl ether	4.080	73	320405	48.8022	ug/L		98
54) 2,2,4-trimethylpentane	4.076	57	255316	52.2522	ug/L		97
55) n-butyl alcohol	4.356	56	406032	2104.2536	ug/L		98
56) benzene	4.009	78	433059	49.3411	ug/L		98
57) heptane	4.189	57	50639	48.8865	ug/L		95
58) 1,2-dichloroethane	4.038	62	483633	144.7582	ug/L		99
59) trichloroethene	4.465	95	1098926	497.3118	ug/L		98
60) ethyl acrylate	4.497	55	178868	45.2288	ug/L		94
61) 2-nitropropane	5.004	41	51549	43.9293	ug/L		97
63) methyl methacrylate	4.673	100	35215	48.0741	ug/L	#	85
64) 1,2-dichloropropane	4.654	63	112308	50.1296	ug/L		97
65) methylcyclohexane	4.641	83	167687	55.3572	ug/L		98
66) dibromomethane	4.721	93	75654	49.0141	ug/L		95
67) bromodichloromethane	4.840	83	158314	49.5162	ug/L		99
68) cis-1,3-dichloropropene	5.174	75	170270	47.5089	ug/L		97
69) epichlorohydrin	5.084	57	59175	129.5227	ug/L		96
70) 4-methyl-2-pentanone	5.277	58	244830	173.8254	ug/L		98
71) 3-methyl-1-butanol	5.312	70	155121	860.3932	ug/L		95
74) toluene	5.443	92	260117	48.9887	ug/L		97
75) trans-1,3-dichloropropene	5.620	75	158673	47.9291	ug/L		97
76) ethyl methacrylate	5.652	69	151674	45.3436	ug/L		97
77) 1,1,2-trichloroethane	5.784	83	197190	112.0124	ug/L		92
78) 2-hexanone	5.954	58	265487	175.9465	ug/L		97
79) tetrachloroethene	5.867	166	190801	89.4620	ug/L		99
80) 1,3-dichloropropane	5.922	76	174113	51.3194	ug/L		99
81) butyl acetate	6.044	56	83427	41.9590	ug/L		98
82) dibromochloromethane	6.104	129	108658	47.8549	ug/L		98
83) 1,2-dibromoethane	6.214	107	107625	50.3192	ug/L		97
84) n-butyl ether	6.708	57	414572	46.3828	ug/L		96
85) chlorobenzene	6.637	112	266966	47.8859	ug/L		98
86) 1,1,1,2-tetrachloroethane	6.708	131	99681	52.8363	ug/L		98
87) ethylbenzene	6.714	91	488718	50.2449	ug/L		99
88) m,p-xylene	6.830	106	370612	98.9362	ug/L		95
89) o-xylene	7.176	106	178132	48.6324	ug/L		97
90) butyl acrylate	7.122	55	233541	43.5893	ug/L		98
91) styrene	7.196	104	240876	39.2203	ug/L		99
92) bromoform	7.362	173	72518	44.9402	ug/L		97
93) n-amyl acetate	7.327	70	85877	42.8298	ug/L		99
94) isopropylbenzene	7.510	105	444907	50.3249	ug/L		100
95) cis-1,4-dichloro-2-butene	7.568	88	22588	30.0129	ug/L		90
98) bromobenzene	7.808	156	107219	46.3241	ug/L		98
99) 1,1,2,2-tetrachloroethane	7.802	83	151220	43.1277	ug/L		98
100) trans-1,4-dichloro-2-b...	7.837	53	20306	28.8908	ug/L	#	65
101) 1,2,3-trichloropropane	7.853	110	45884	43.7906	ug/L		99
102) n-propylbenzene	7.901	91	540114	48.2839	ug/L		99
103) 2-chlorotoluene	7.988	126	101352	46.6895	ug/L		99
104) 4-chlorotoluene	8.104	126	105516	45.8282	ug/L		94
105) 1,3,5-trimethylbenzene	8.072	105	374739	48.1276	ug/L		99
106) tert-butylbenzene	8.373	119	296726	48.3108	ug/L		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\michaellab\10-23-2025\VL11478\
Data File : L373959.d
Acq On : 23 Oct 2025 2:31 am
Operator : BridgetK
Sample : je21501-1ms Inst : GCMSL
Misc : MS98380,VL11478,5,,,,1
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Oct 23 08:25:57 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 13:39:16 2025
Response via : Initial Calibration

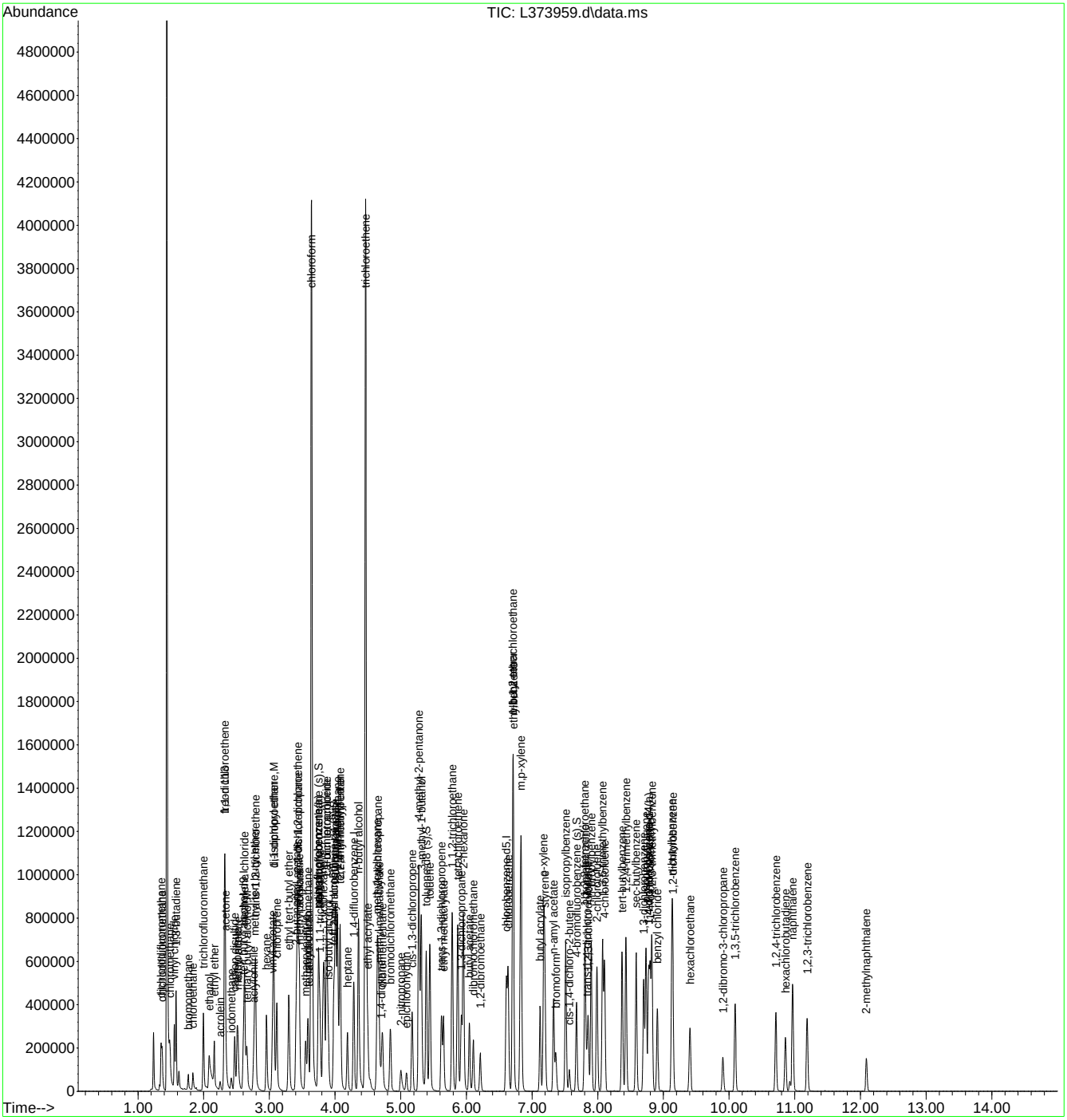
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
107) 1,2,4-trimethylbenzene	8.431	105	384071	48.8308	ug/L	99
108) sec-butylbenzene	8.585	105	441059	49.4658	ug/L	99
109) 1,3-dichlorobenzene	8.700	146	199840	46.6875	ug/L	98
110) p-isopropyltoluene	8.733	119	364671	49.4707	ug/L	100
111) 1,4-dichlorobenzene	8.800	146	201936	45.6676	ug/L	98
112) 1,2,3-trimethylbenzene	8.826	105	390479	46.9938	ug/L	96
113) 1,2-dichlorobenzene	9.143	146	191755	46.6351	ug/L	97
114) n-butylbenzene	9.127	92	181672	49.4697	ug/L	99
115) 1,2-dibromo-3-chloropr...	9.907	157	39730	42.0668	ug/L	96
116) 1,3,5-trichlorobenzene	10.090	180	125369	47.3763	ug/L	99
117) 1,2,4-trichlorobenzene	10.712	180	107933	46.2784	ug/L	98
118) hexachlorobutadiene	10.860	225	44875	51.2021	ug/L	99
119) naphthalene	10.966	128	393742	45.5384	ug/L	99
120) 1,2,3-trichlorobenzene	11.191	180	102369	46.0606	ug/L	98
121) hexachloroethane	9.406	119	49985	44.4589	ug/L	96
122) benzyl chloride	8.906	91	263231	38.4785	ug/L	99
123) 2-methylnaphthalene	12.089	142	71576	21.4570	ug/L	95

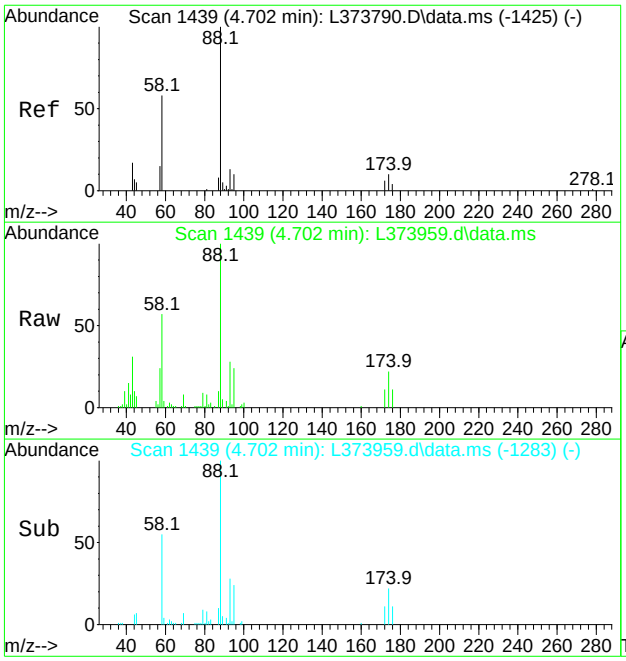
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\michaellab\10-23-2025\VL11478\
Data File : L373959.d
Acq On : 23 Oct 2025 2:31 am
Operator : BridgetK
Sample : je21501-1ms Inst : GCMSL
Misc : MS98380,VL11478,5,,,,1
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Oct 23 08:25:57 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 13:39:16 2025
Response via : Initial Calibration

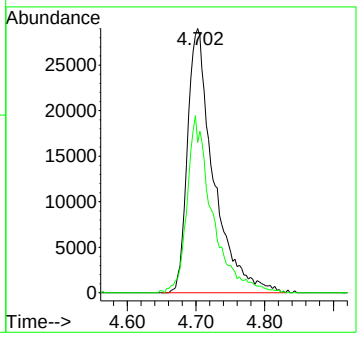


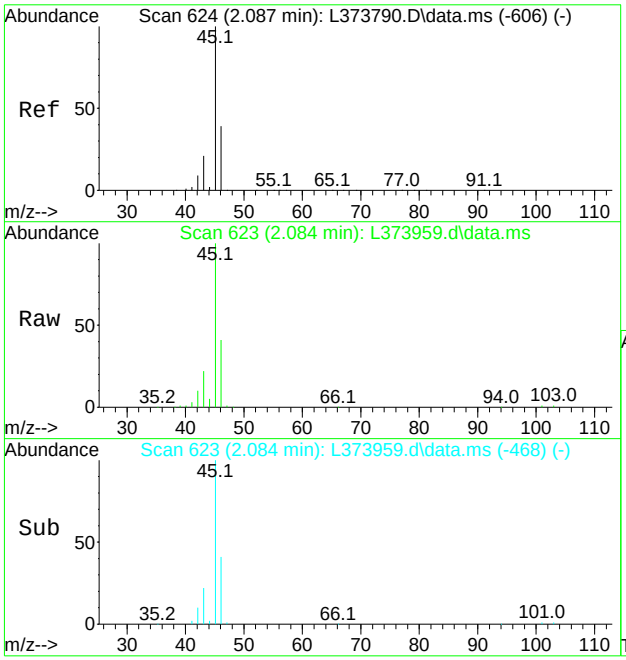


#2
1,4-dioxane
Concen: 1211.2237 ug/L
RT: 4.702 min Scan# 1439
Delta R.T. 0.000 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 88 Resp: 76123

Ion	Ratio	Lower	Upper
88	100		
58	56.8	29.1	89.1

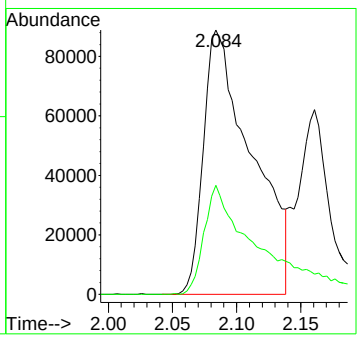


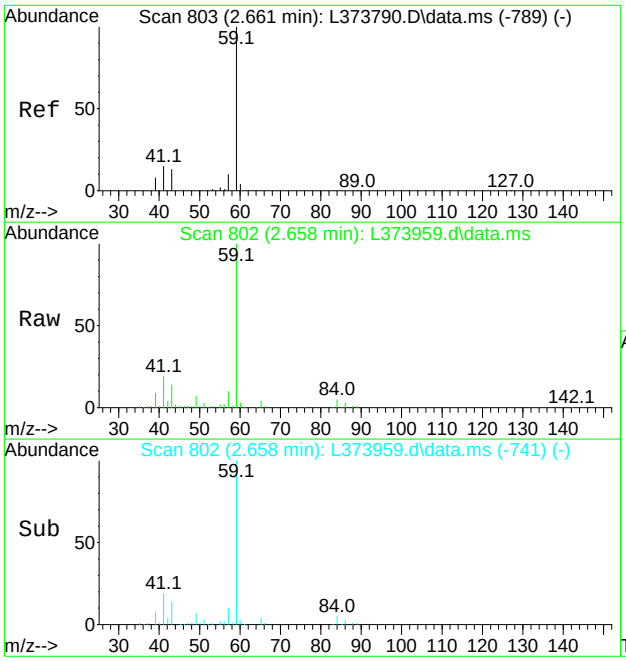


#3
ethanol
Concen: 4804.8952 ug/L
RT: 2.084 min Scan# 623
Delta R.T. -0.003 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 45 Resp: 231875

Ion	Ratio	Lower	Upper
45	100		
46	41.2	18.6	58.6

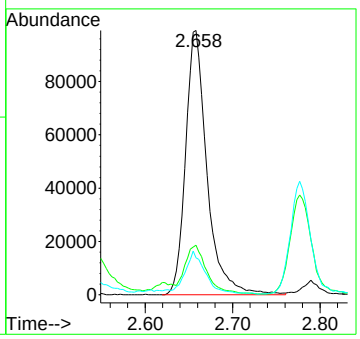


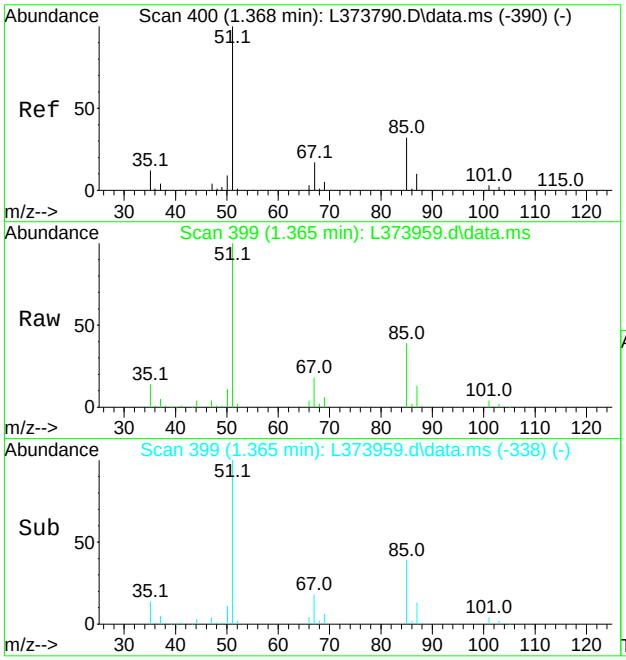


#4
tertiary butyl alcohol
Concen: 239.8420 ug/L
RT: 2.658 min Scan# 802
Delta R.T. -0.003 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 59 Resp: 168952

Ion	Ratio	Lower	Upper
59	100		
41	14.0	0.0	45.3
43	12.5	0.0	43.5

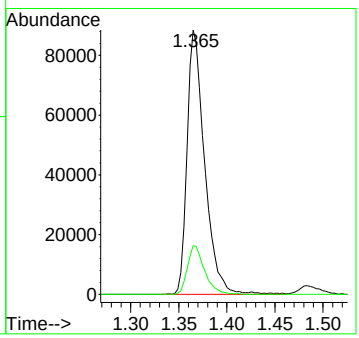


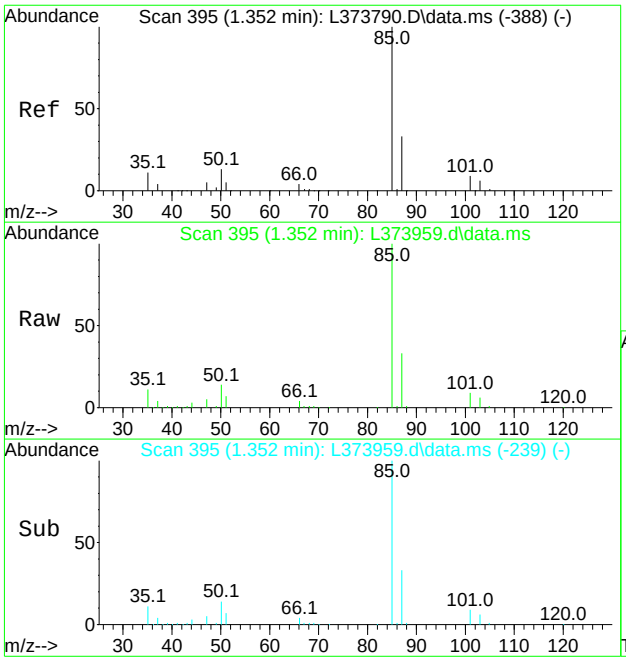


#6
chlorodifluoromethane
Concen: 38.3535 ug/L
RT: 1.365 min Scan# 399
Delta R.T. -0.003 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 51 Resp: 112615

Ion	Ratio	Lower	Upper
51	100		
67	18.5	0.0	37.0

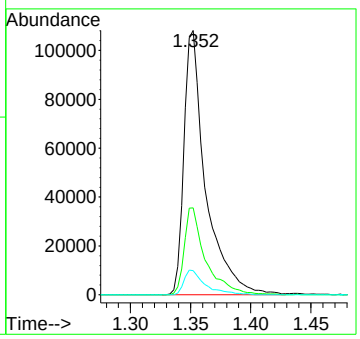


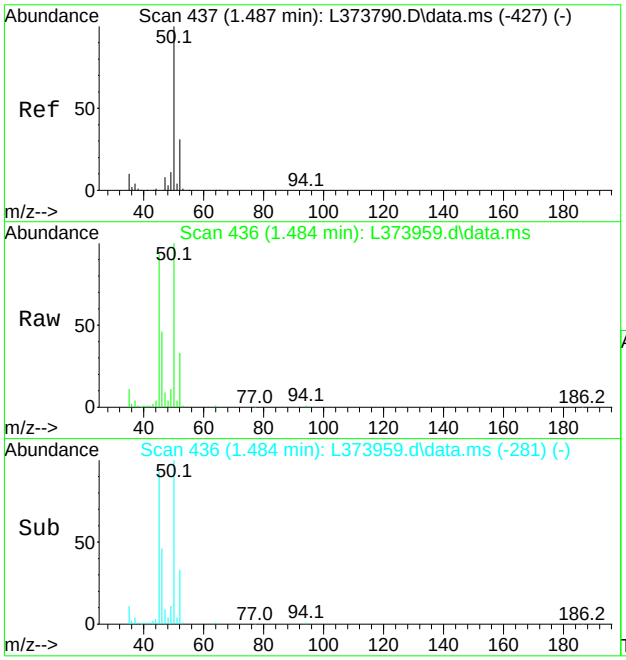


#7
dichlorodifluoromethane
Concen: 45.8331 ug/L
RT: 1.352 min Scan# 395
Delta R.T. 0.000 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 85 Resp: 135965

Ion	Ratio	Lower	Upper
85	100		
87	32.8	2.8	62.8
101	9.1	0.0	38.9

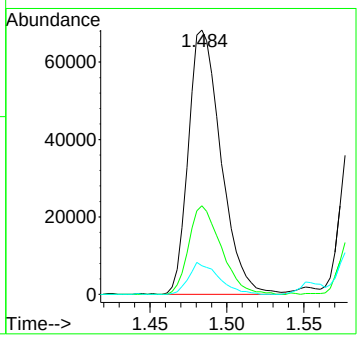


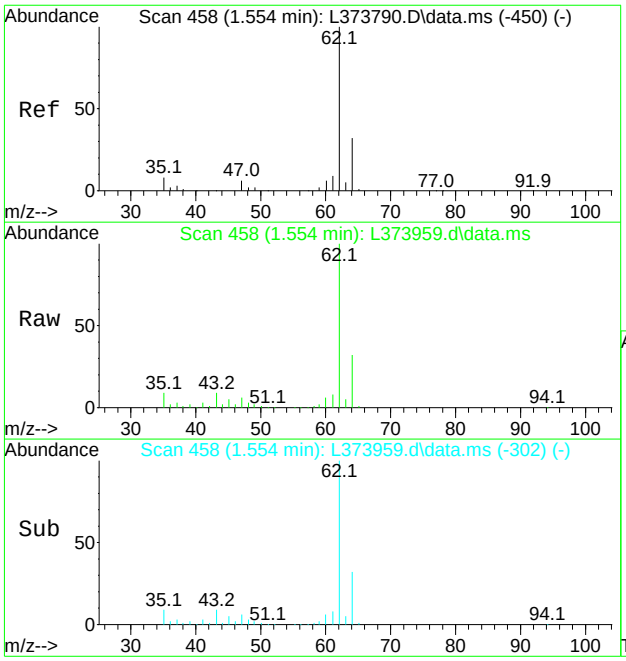


#8
chloromethane
Concen: 35.4289 ug/L
RT: 1.484 min Scan# 436
Delta R.T. -0.003 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 50 Resp: 100872

Ion	Ratio	Lower	Upper
50	100		
52	33.5	1.5	61.5
49	10.9	0.0	41.1

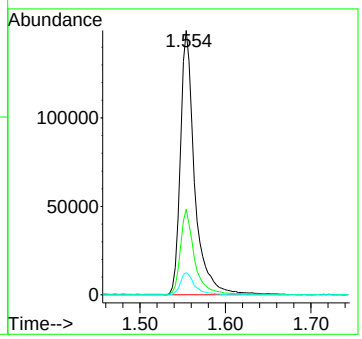


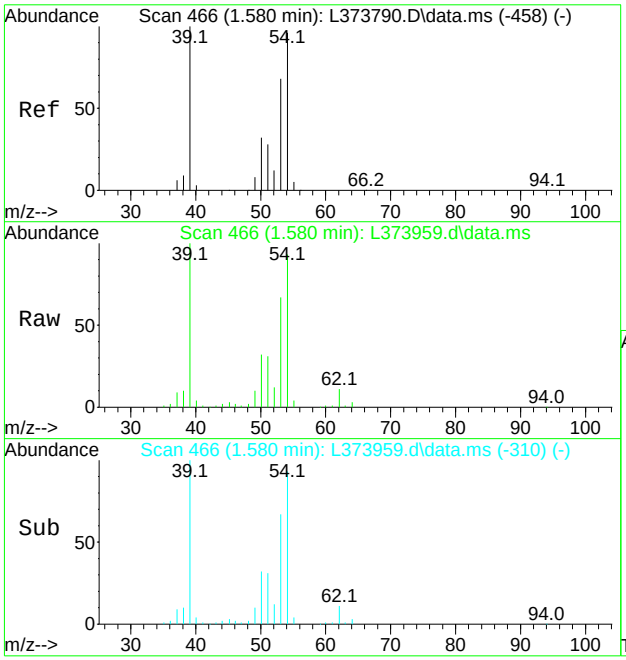


#9
vinyl chloride
Concen: 61.7520 ug/L
RT: 1.554 min Scan# 458
Delta R.T. 0.000 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 62 Resp: 173991

Ion	Ratio	Lower	Upper
62	100		
64	32.3	2.2	62.2
61	8.4	0.0	38.5

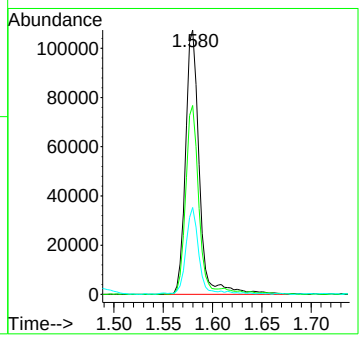


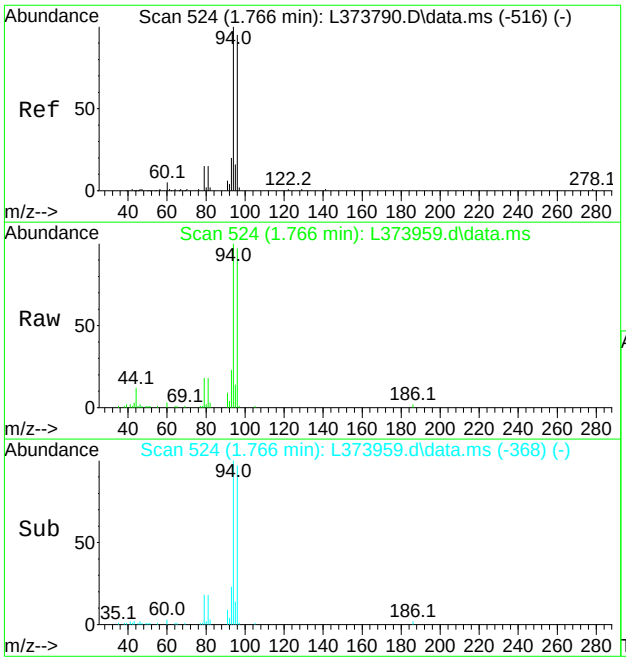


#10
1,3-butadiene
Concen: 40.3895 ug/L
RT: 1.580 min Scan# 466
Delta R.T. -0.000 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 54 Resp: 105283

Ion	Ratio	Lower	Upper
54	100		
53	71.3	40.7	100.7
51	32.6	0.0	59.5

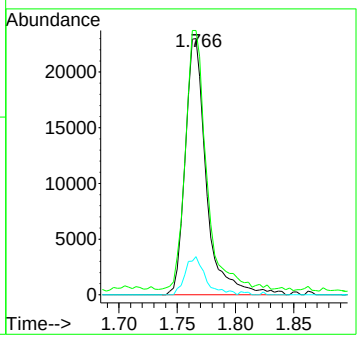


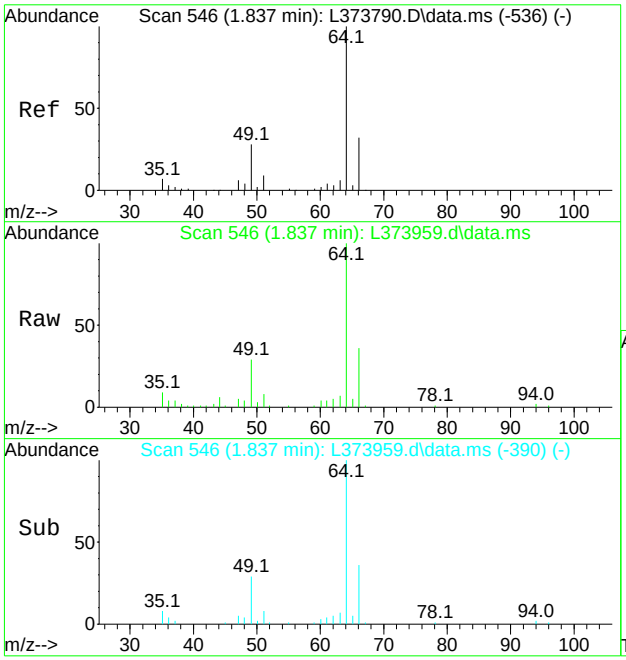


#11
bromomethane
Concen: 41.5029 ug/L
RT: 1.766 min Scan# 524
Delta R.T. 0.000 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 96 Resp: 29078

Ion	Ratio	Lower	Upper
96	100		
94	101.2	76.7	136.7
95	14.9	0.0	46.3

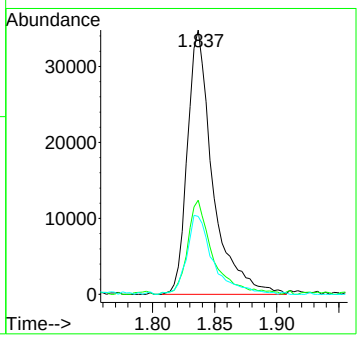


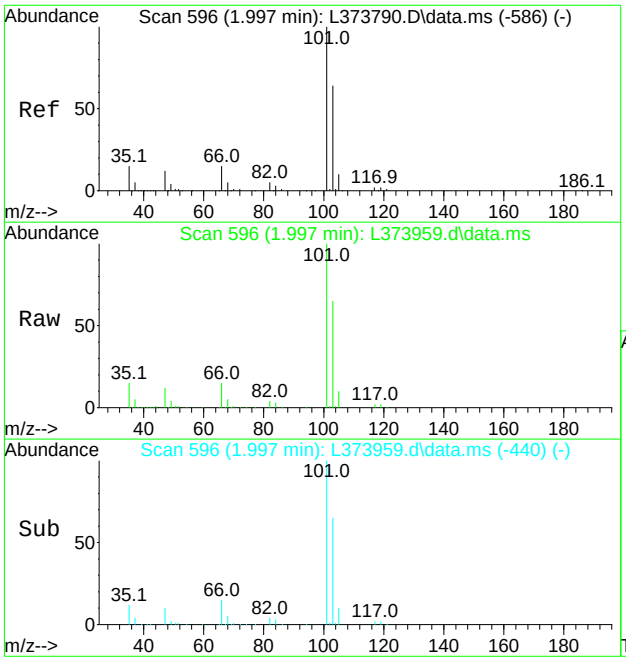


#12
chloroethane
Concen: 41.8419 ug/L
RT: 1.837 min Scan# 546
Delta R.T. -0.000 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 64 Resp: 49455

Ion	Ratio	Lower	Upper
64	100		
66	34.9	1.8	61.8
49	28.8	0.0	57.7

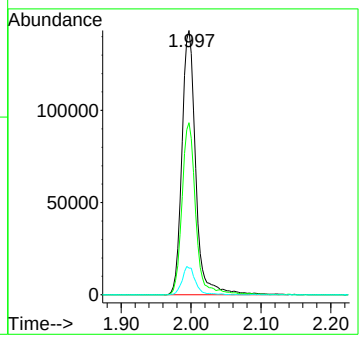


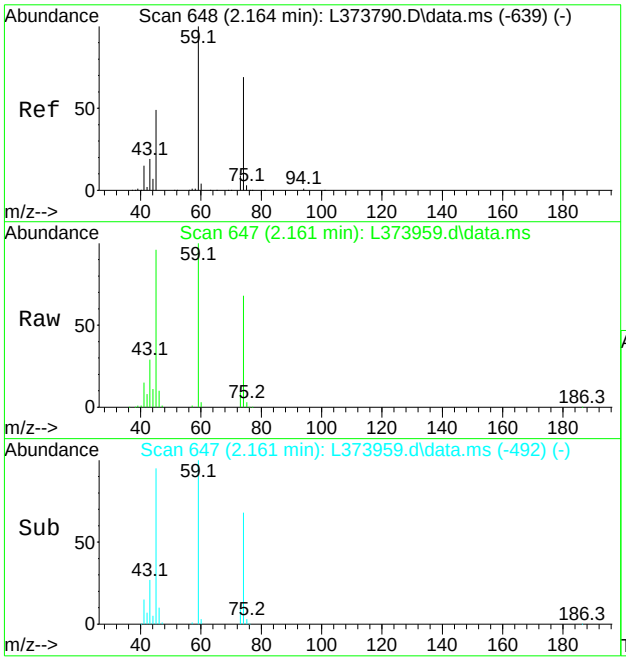


#13
trichlorofluoromethane
Concen: 55.0401 ug/L
RT: 1.997 min Scan# 596
Delta R.T. 0.000 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion:101 Resp: 197193

Ion	Ratio	Lower	Upper
101	100		
103	65.1	33.8	93.8
105	10.1	0.0	40.0

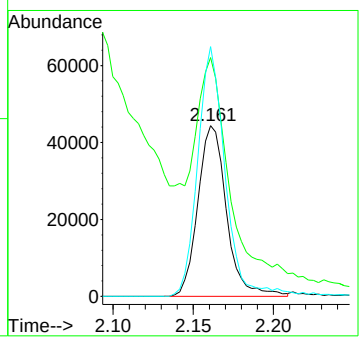


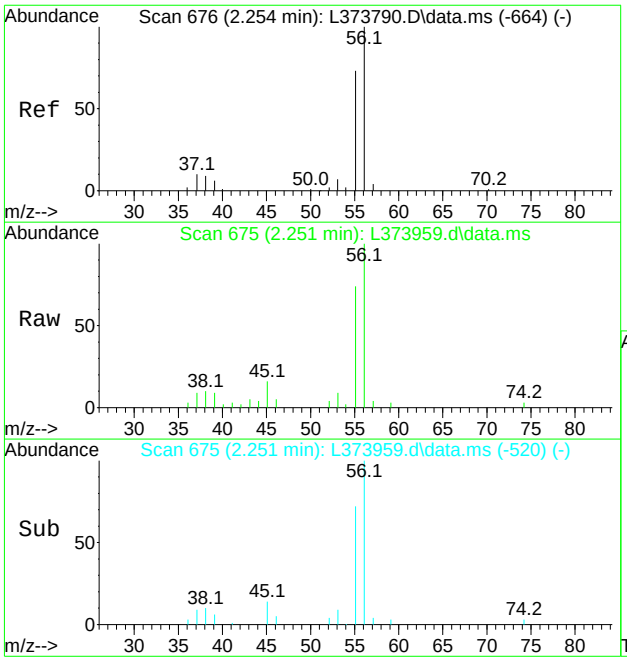


#14
ethyl ether
Concen: 46.3131 ug/L
RT: 2.161 min Scan# 647
Delta R.T. -0.003 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 74 Resp: 55264

Ion	Ratio	Lower	Upper
74	100		
45	126.6	102.0	162.0
59	146.3	114.2	174.2

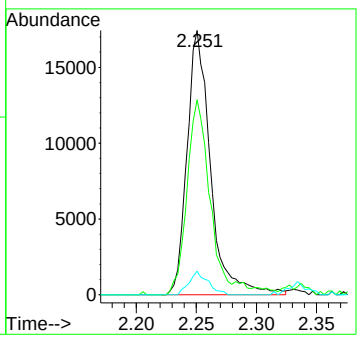


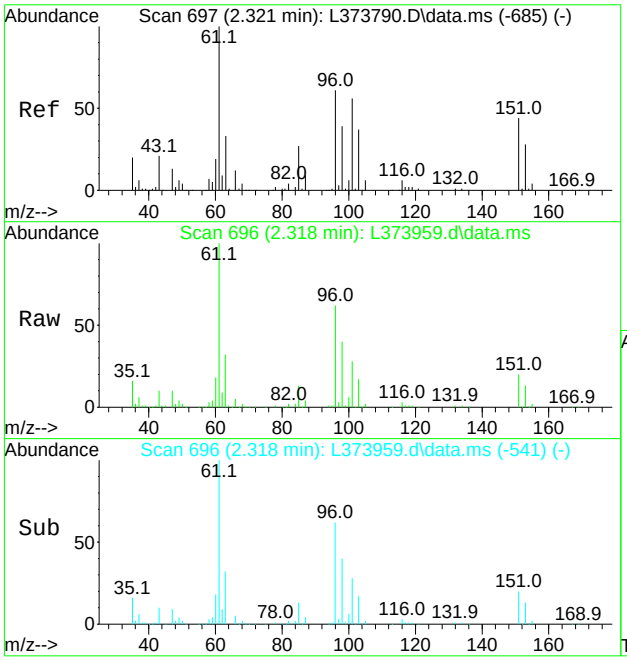


#15
acrolein
Concen: 46.4331 ug/L
RT: 2.251 min Scan# 675
Delta R.T. -0.003 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 56 Resp: 23741

Ion	Ratio	Lower	Upper
56	100		
55	73.7	42.9	102.9
53	8.9	0.0	38.0

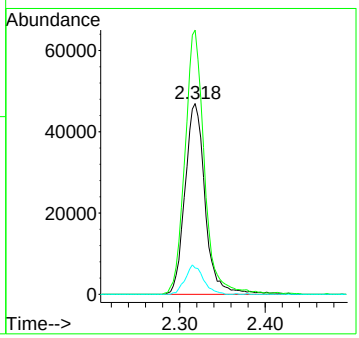


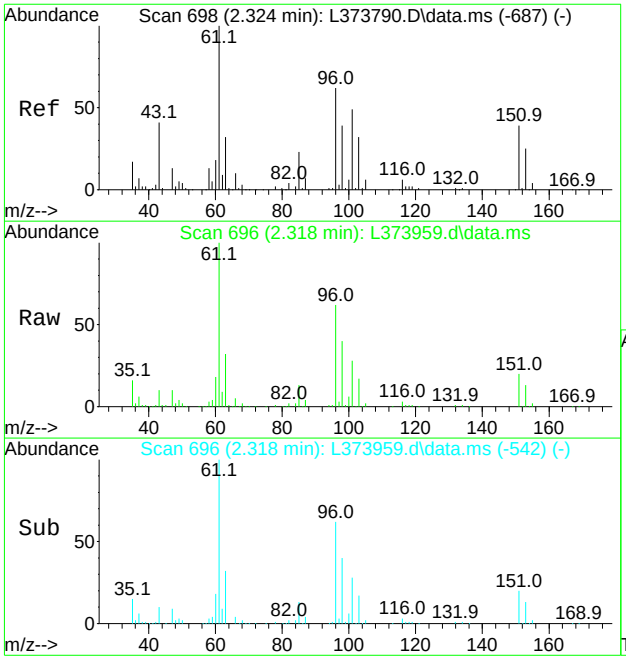


#16
freon 113
Concen: 50.9782 ug/L
RT: 2.318 min Scan# 696
Delta R.T. -0.003 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion:151 Resp: 76960

Ion	Ratio	Lower	Upper
151	100		
101	138.5	107.4	147.4
116	13.9	0.0	33.9

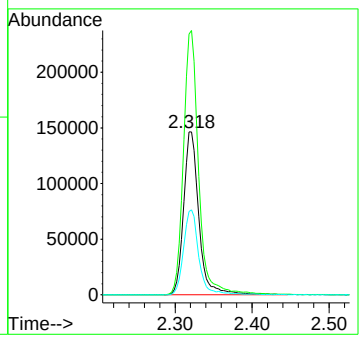


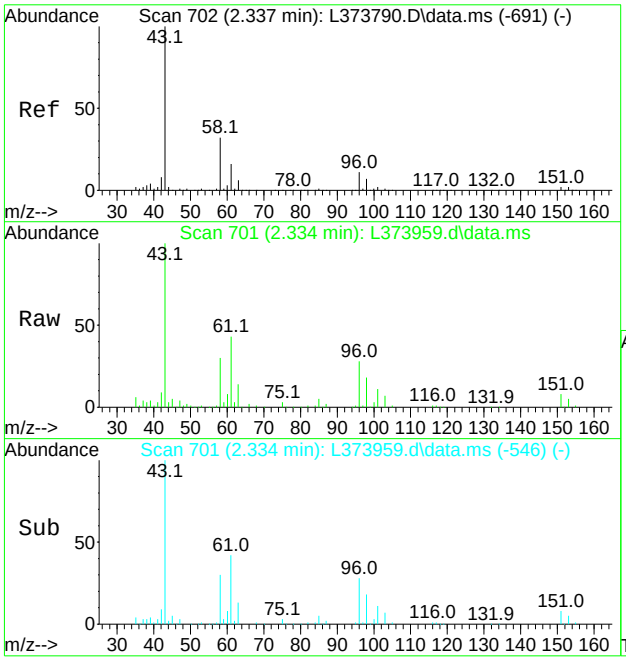


#17
1,1-dichloroethene
Concen: 106.7288 ug/L
RT: 2.318 min Scan# 696
Delta R.T. -0.006 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 96 Resp: 201365

Ion	Ratio	Lower	Upper
96	100		
61	160.0	131.4	191.4
63	51.2	22.3	82.3

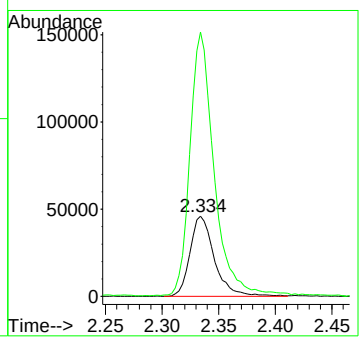


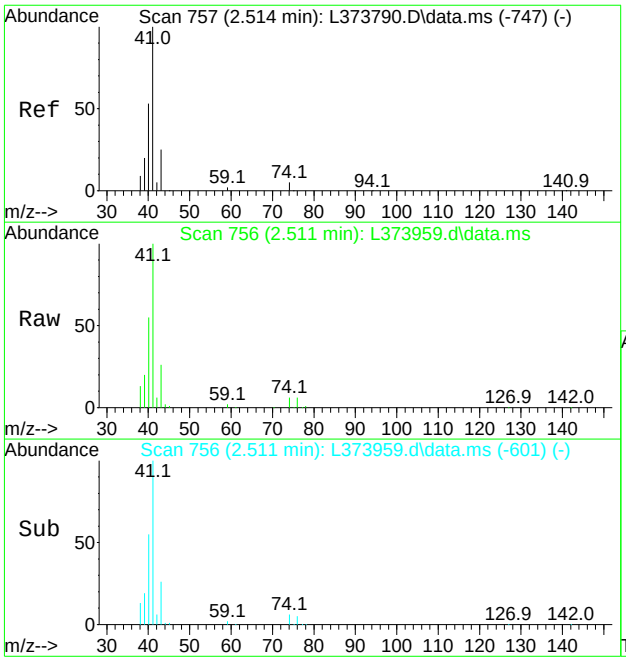


#18
acetone
Concen: 186.4678 ug/L
RT: 2.334 min Scan# 701
Delta R.T. -0.003 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 58 Resp: 69231

Ion	Ratio	Lower	Upper
58	100		
43	327.6	286.5	346.5

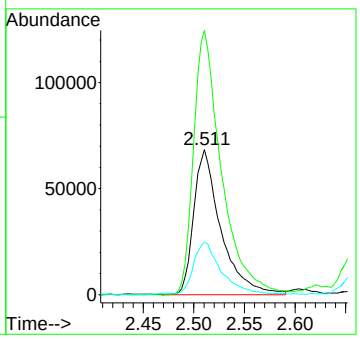


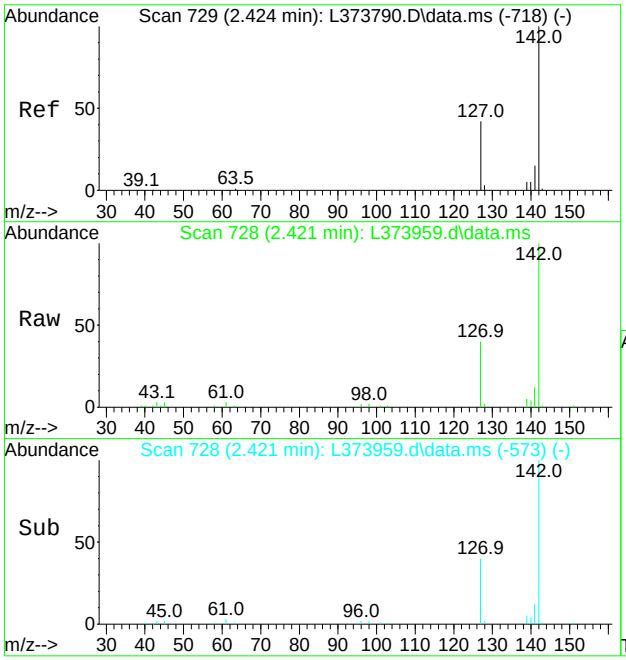


#19
acetonitrile
Concen: 440.0917 ug/L
RT: 2.511 min Scan# 756
Delta R.T. -0.003 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 40 Resp: 128036

Ion	Ratio	Lower	Upper
40	100		
41	181.9	158.5	218.5
39	35.5	8.2	68.2

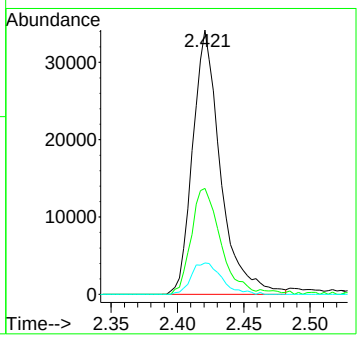


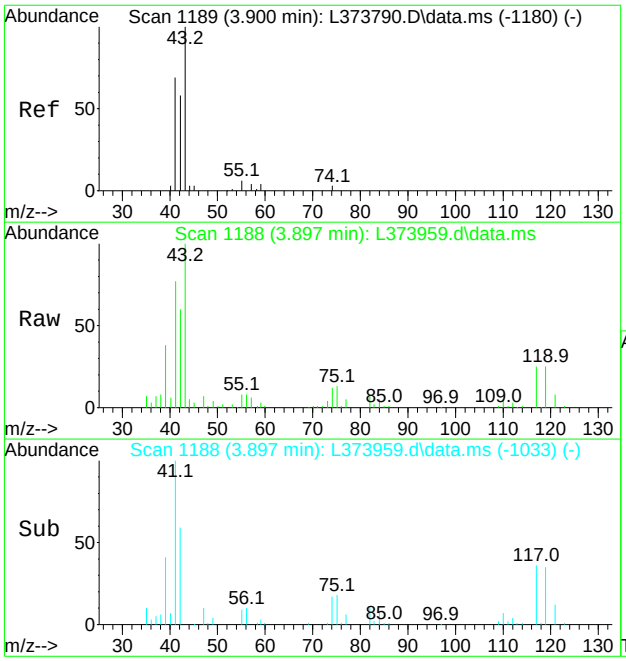


#20
iodomethane
Concen: 34.2838 ug/L
RT: 2.421 min Scan# 728
Delta R.T. -0.003 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion:142 Resp: 49950

Ion	Ratio	Lower	Upper
142	100		
127	40.0	12.2	72.2
141	11.9	0.0	44.6

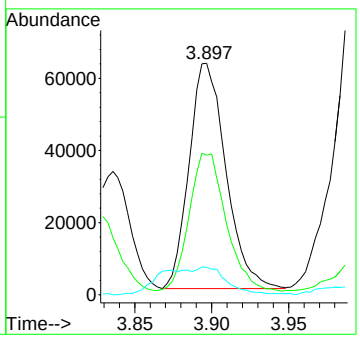


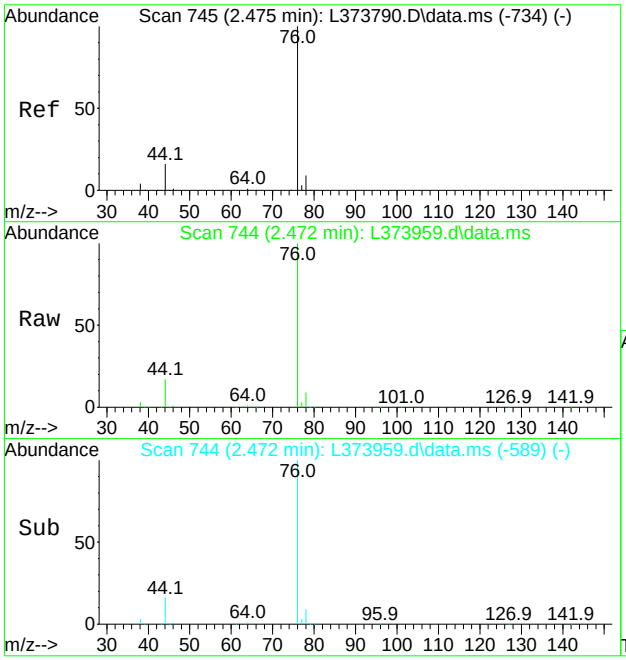


#21
iso-butyl alcohol
Concen: 411.5340 ug/L
RT: 3.897 min Scan# 1188
Delta R.T. -0.003 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 43 Resp: 103885

Ion	Ratio	Lower	Upper
43	100		
42	60.1	28.3	88.3
74	11.7	0.0	40.9

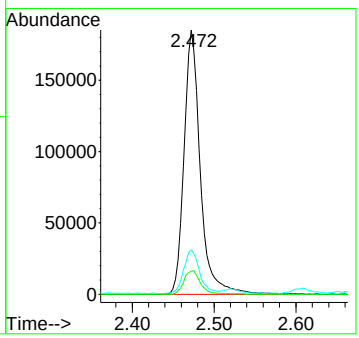


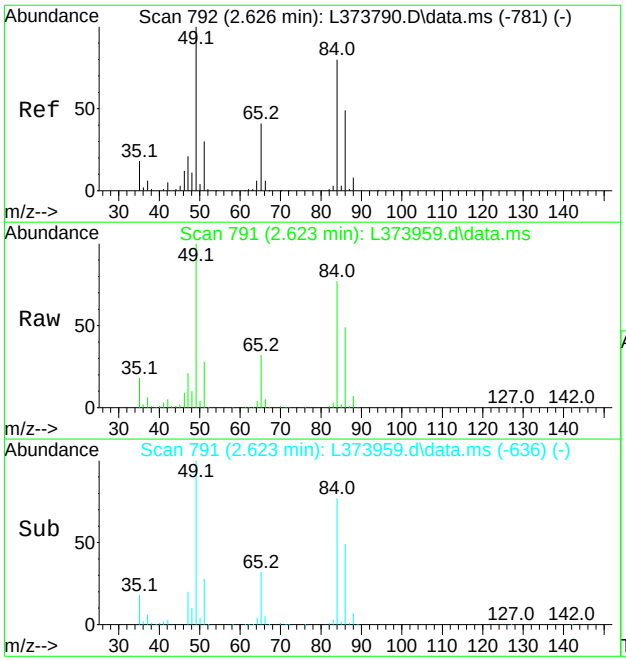


#22
carbon disulfide
Concen: 43.1493 ug/L
RT: 2.472 min Scan# 744
Delta R.T. -0.003 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 76 Resp: 256065

Ion	Ratio	Lower	Upper
76	100		
78	8.7	0.0	38.9
44	16.5	0.0	46.1

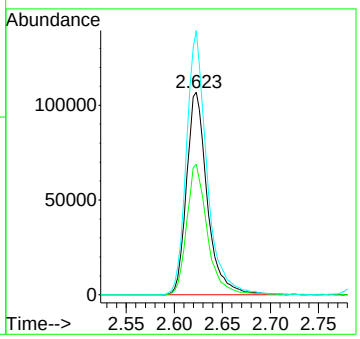


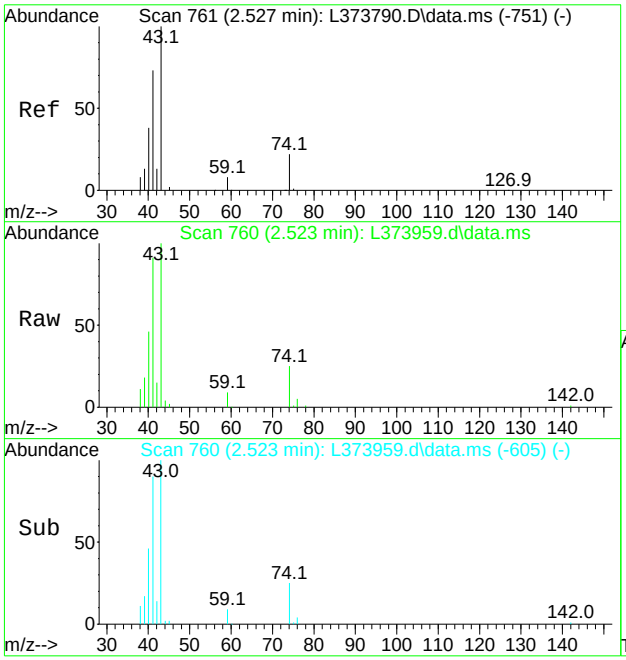


#23
methylene chloride
Concen: 68.9554 ug/L
RT: 2.623 min Scan# 791
Delta R.T. -0.003 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 84 Resp: 160562

Ion	Ratio	Lower	Upper
84	100		
86	64.5	31.2	91.2
49	130.5	95.6	155.6

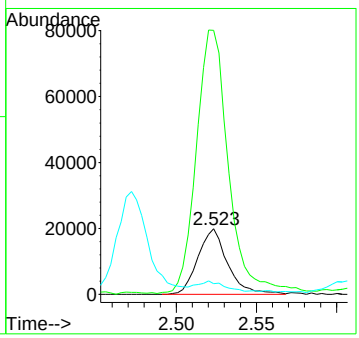


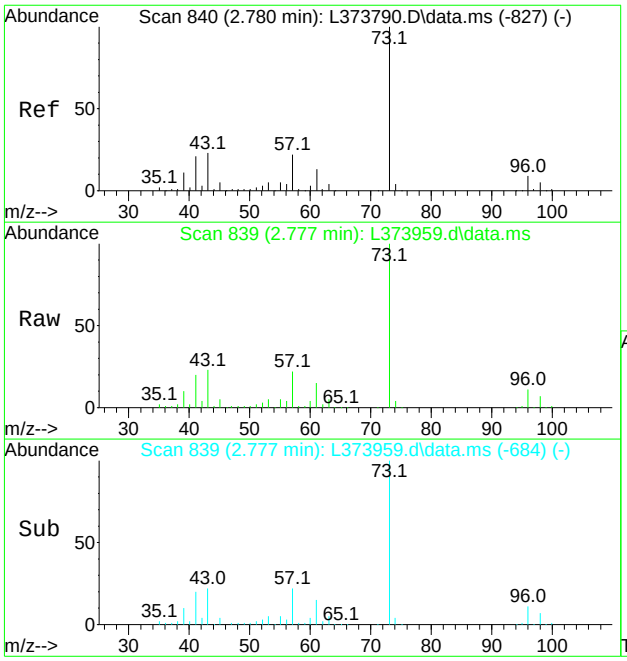


#24
methyl acetate
Concen: 43.7889 ug/L
RT: 2.523 min Scan# 760
Delta R.T. -0.004 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 74 Resp: 25683

Ion	Ratio	Lower	Upper
74	100		
43	398.3	417.7	477.7#
44	12.0	0.0	39.0

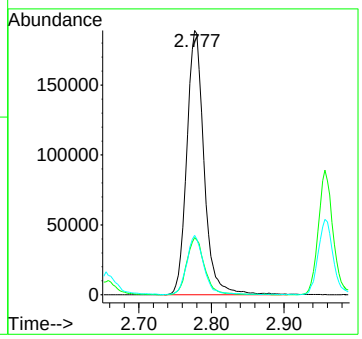


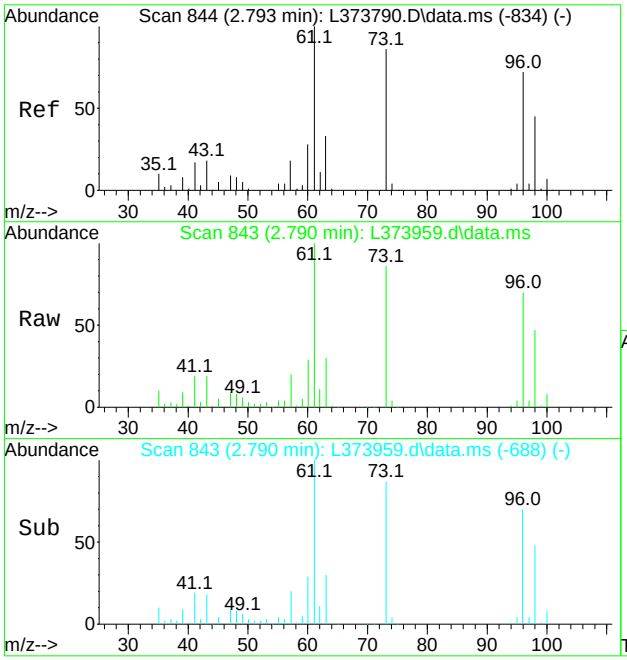


#25
methyl tert butyl ether
Concen: 50.2915 ug/L
RT: 2.777 min Scan# 839
Delta R.T. -0.003 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 73 Resp: 313892

Ion	Ratio	Lower	Upper
73	100		
57	21.7	0.0	52.4
43	22.4	0.0	52.7

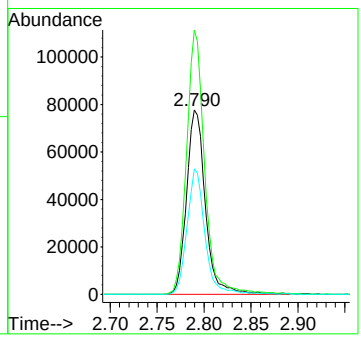


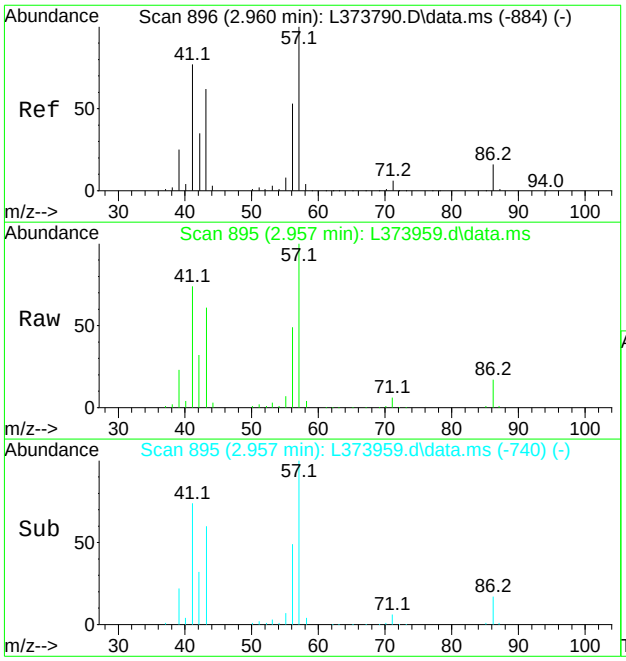


#26
trans-1,2-dichloroethene
Concen: 50.7475 ug/L
RT: 2.790 min Scan# 843
Delta R.T. -0.003 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 96 Resp: 108866

Ion	Ratio	Lower	Upper
96	100		
61	143.4	109.1	169.1
98	68.1	32.0	92.0

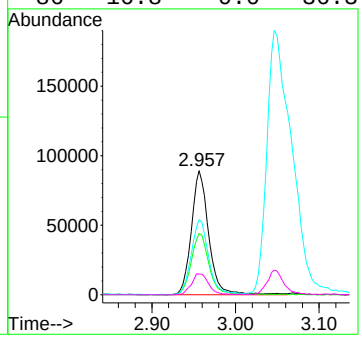


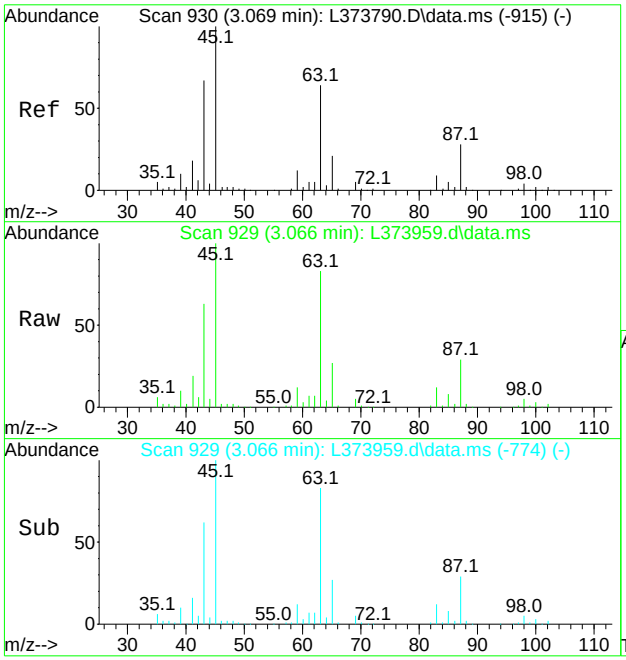


#27
hexane
Concen: 48.7048 ug/L
RT: 2.957 min Scan# 895
Delta R.T. -0.003 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 57 Resp: 129068

Ion	Ratio	Lower	Upper
57	100		
56	49.5	32.9	72.9
43	60.2	41.9	81.9
86	16.8	0.0	36.3

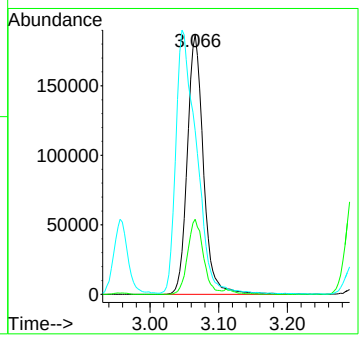


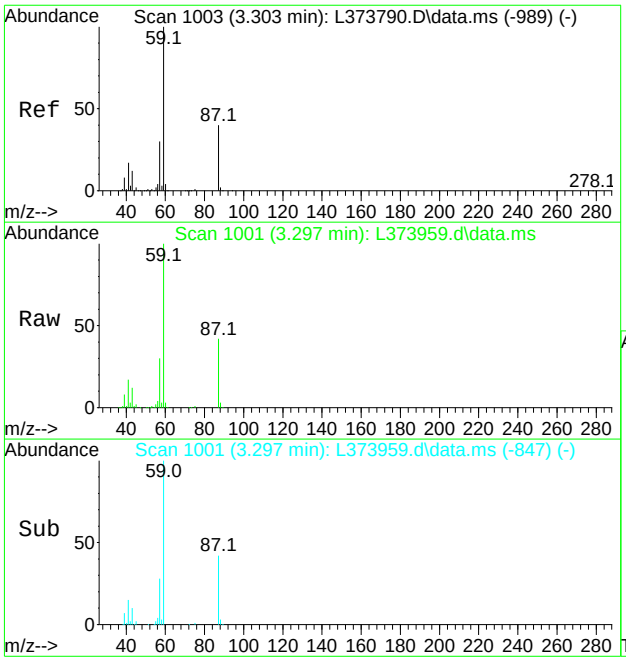


#28
di-isopropyl ether
Concen: 46.6479 ug/L
RT: 3.066 min Scan# 929
Delta R.T. -0.003 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 45 Resp: 304764

Ion	Ratio	Lower	Upper
45	100		
87	28.9	0.0	57.5
43	62.7	37.5	97.5

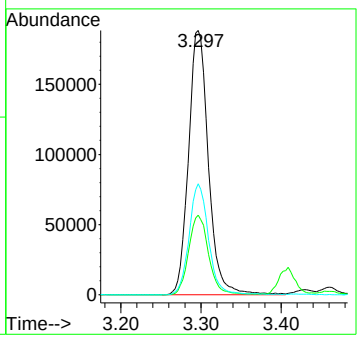


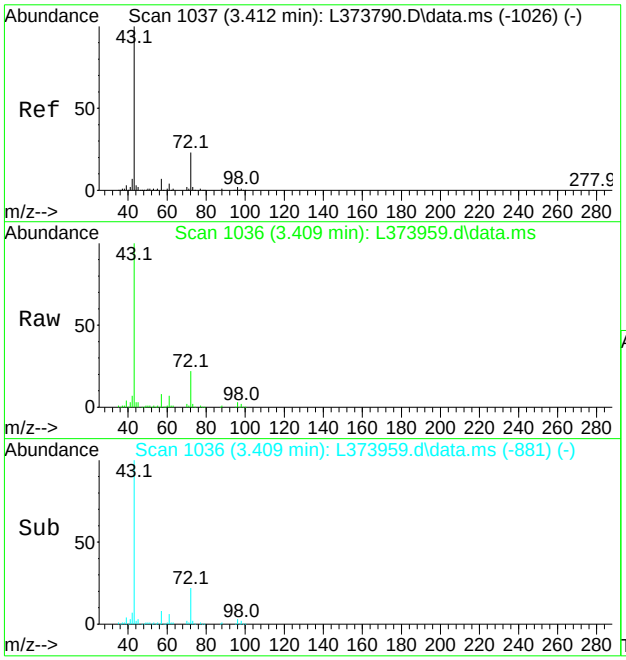


#29
ethyl tert-butyl ether
Concen: 48.5686 ug/L
RT: 3.297 min Scan# 1001
Delta R.T. -0.006 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 59 Resp: 325926

Ion	Ratio	Lower	Upper
59	100		
57	30.2	0.3	60.3
87	42.0	9.6	69.6

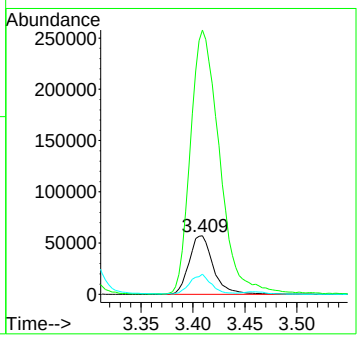


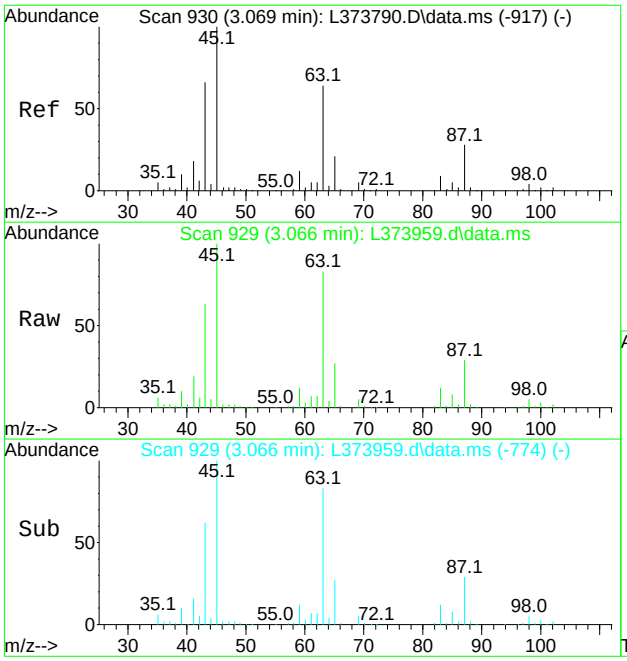


#30
2-butanone
Concen: 197.8209 ug/L
RT: 3.409 min Scan# 1036
Delta R.T. -0.003 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 72 Resp: 92390

Ion	Ratio	Lower	Upper
72	100		
43	450.8	411.9	471.9
57	34.0	2.4	62.4

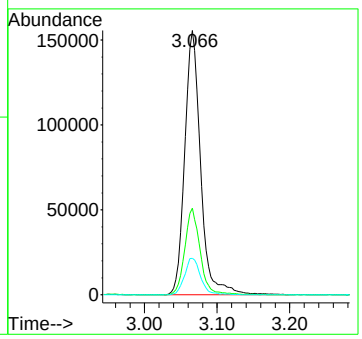


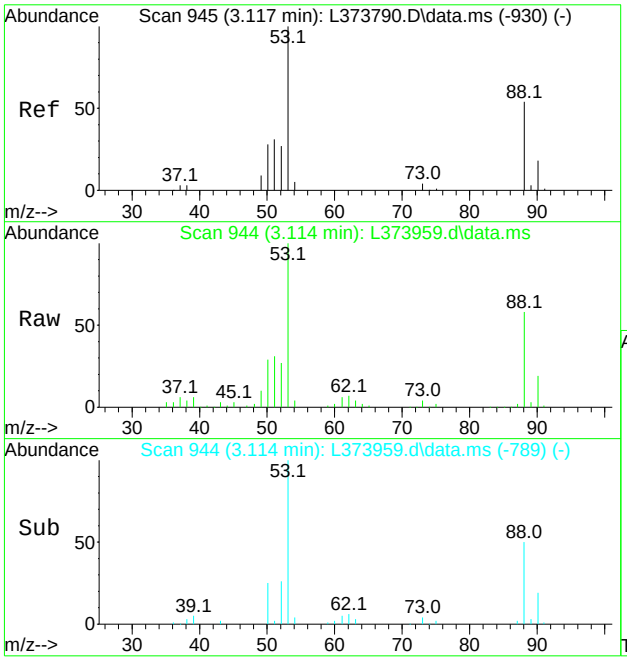


#31
1,1-dichloroethane
Concen: 58.6865 ug/L
RT: 3.066 min Scan# 929
Delta R.T. -0.003 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 63 Resp: 237816

Ion	Ratio	Lower	Upper
63	100		
65	32.8	2.5	62.5
83	13.8	0.0	43.5

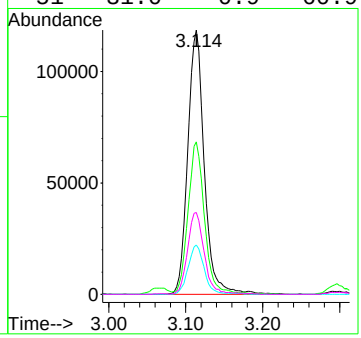


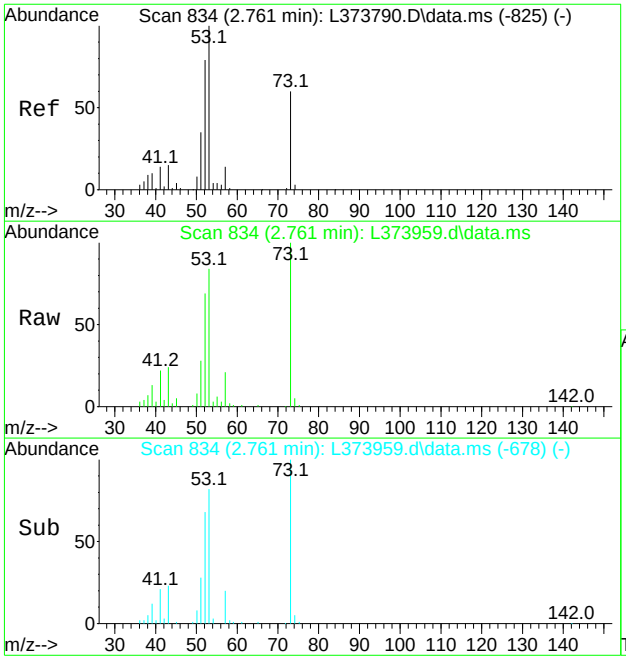


#32
chloroprene
Concen: 50.8334 ug/L
RT: 3.114 min Scan# 944
Delta R.T. -0.003 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 53 Resp: 177225

Ion	Ratio	Lower	Upper
53	100		
88	57.6	26.2	86.2
90	18.7	0.0	47.9
51	31.0	0.9	60.9

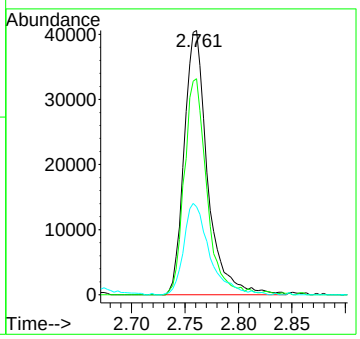


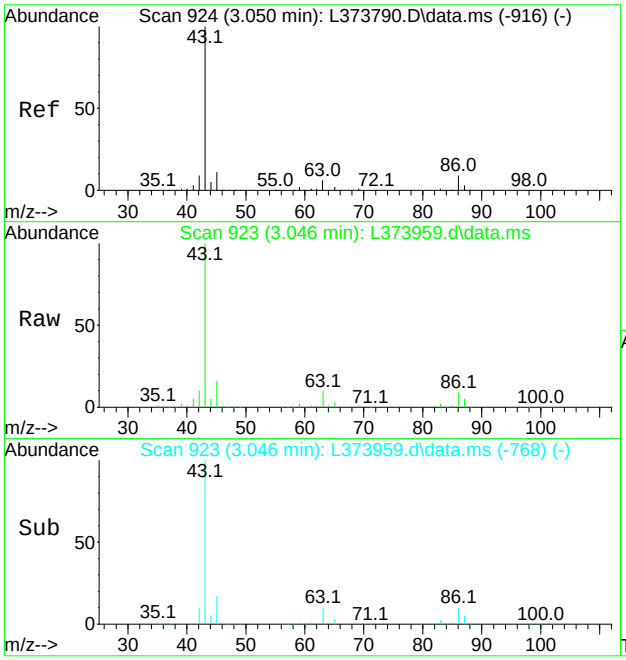


#33
acrylonitrile
Concen: 55.2163 ug/L
RT: 2.761 min Scan# 834
Delta R.T. -0.000 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 53 Resp: 61755

Ion	Ratio	Lower	Upper
53	100		
52	81.8	48.8	108.8
51	33.3	4.6	64.6

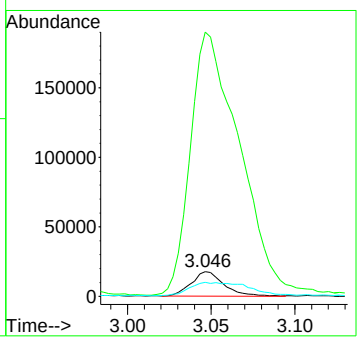


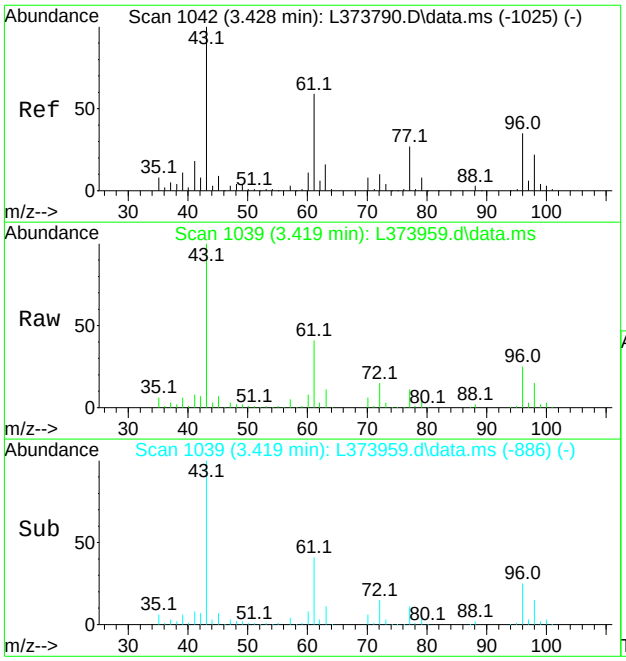


#34
vinyl acetate
Concen: 45.2970 ug/L
RT: 3.046 min Scan# 923
Delta R.T. -0.004 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 86 Resp: 24019

Ion	Ratio	Lower	Upper
86	100		
43	1067.2	1076.3	1136.3#
44	54.5	23.6	83.6

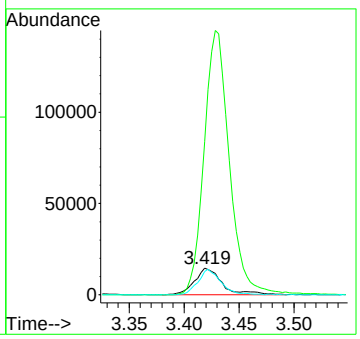


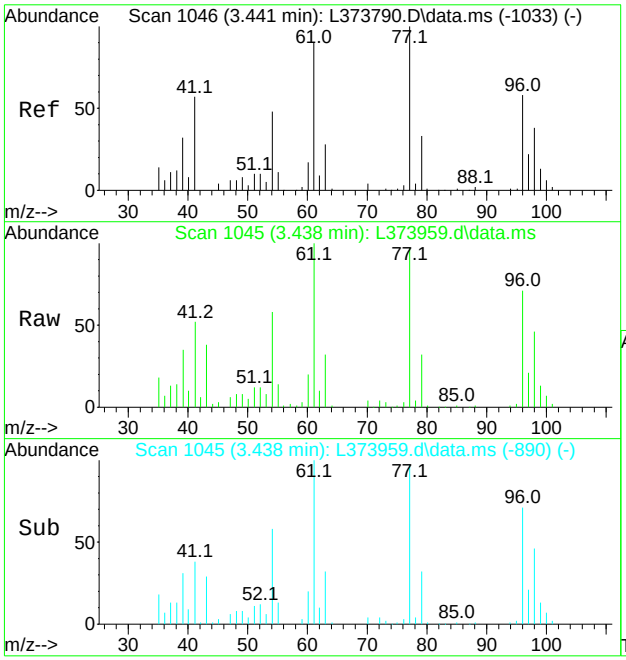


#35
ethyl acetate
Concen: 44.1862 ug/L
RT: 3.419 min Scan# 1039
Delta R.T. -0.009 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 45 Resp: 25530

Ion	Ratio	Lower	Upper
45	100		
61	575.3	598.6	658.6#
70	87.8	53.6	113.6

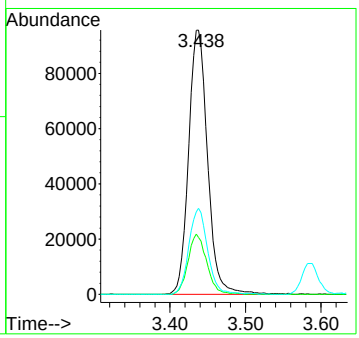


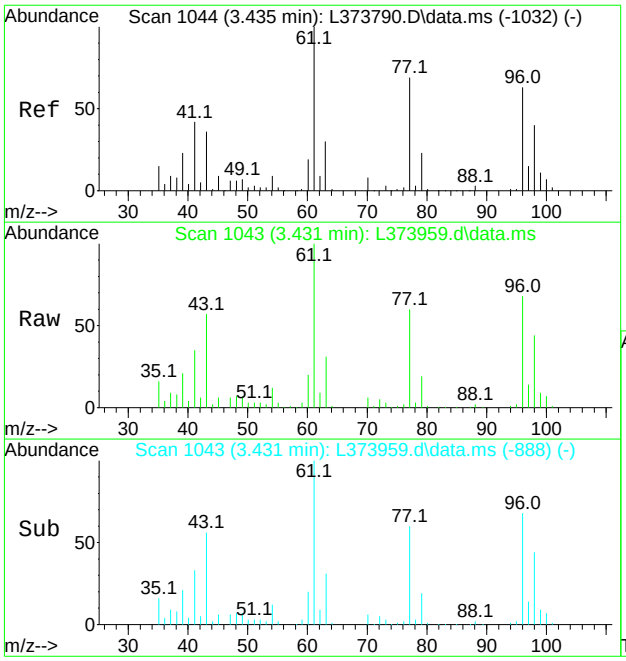


#36
2,2-dichloropropane
Concen: 45.7458 ug/L
RT: 3.438 min Scan# 1045
Delta R.T. -0.003 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 77 Resp: 167018

Ion	Ratio	Lower	Upper
77	100		
97	21.5	0.0	52.3
79	32.6	3.0	63.0

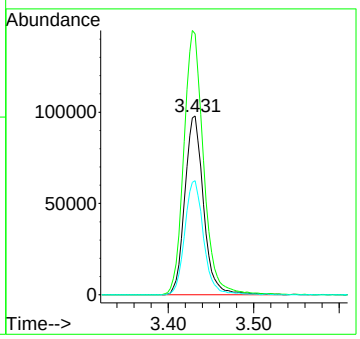


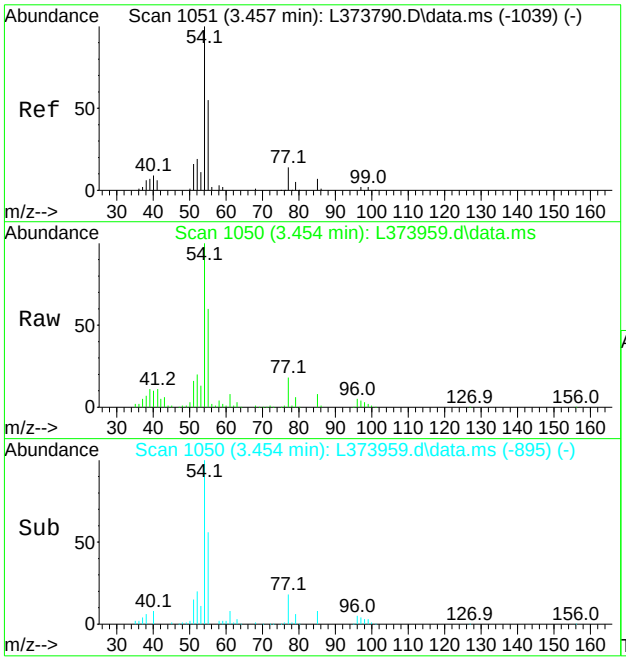


#37
cis-1,2-dichloroethene
Concen: 63.4415 ug/L
RT: 3.431 min Scan# 1043
Delta R.T. -0.004 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 96 Resp: 149538

Ion	Ratio	Lower	Upper
96	100		
61	145.8	128.7	188.7
98	63.9	34.1	94.1

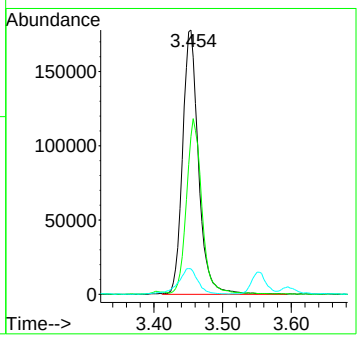


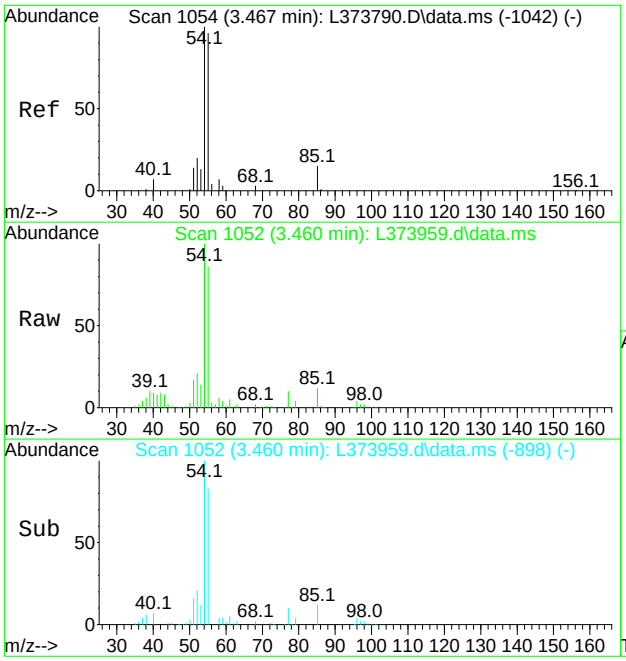


#38
propionitrile
Concen: 450.1896 ug/L
RT: 3.454 min Scan# 1050
Delta R.T. -0.003 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 54 Resp: 286449

Ion	Ratio	Lower	Upper
54	100		
55	59.5	25.4	85.4
40	8.8	0.0	39.0

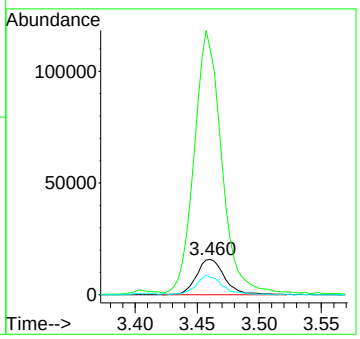


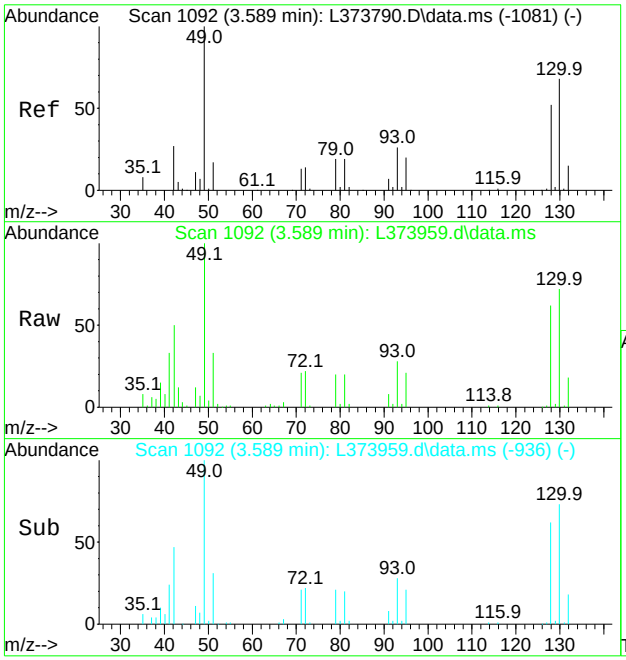


#39
methyl acrylate
Concen: 50.4684 ug/L
RT: 3.460 min Scan# 1052
Delta R.T. -0.007 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 85 Resp: 25105

Ion	Ratio	Lower	Upper
85	100		
55	692.6	639.4	679.4#
58	47.8	29.8	69.8

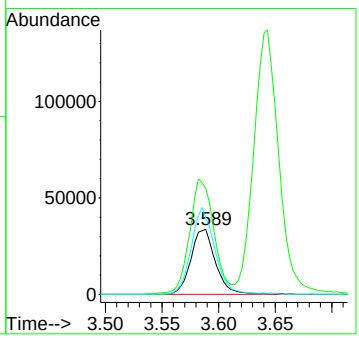


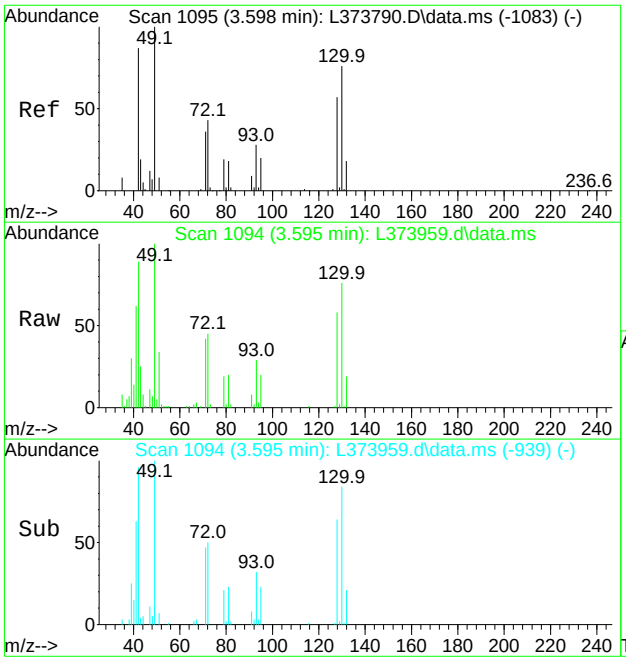


#40
bromochloromethane
Concen: 49.4418 ug/L
RT: 3.589 min Scan# 1092
Delta R.T. -0.000 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion:128 Resp: 51321

Ion	Ratio	Lower	Upper
128	100		
49	159.6	163.3	223.3#
130	116.9	100.3	160.3

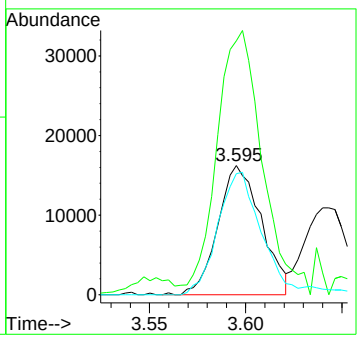


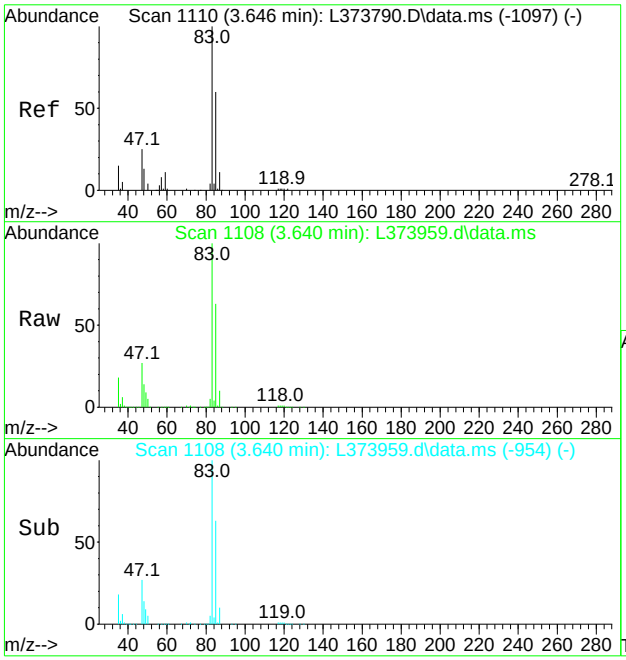


#41
tetrahydrofuran
Concen: 43.8867 ug/L
RT: 3.595 min Scan# 1094
Delta R.T. -0.003 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 72 Resp: 25542

Ion	Ratio	Lower	Upper
72	100		
42	185.4	183.3	243.3
71	93.6	53.5	113.5

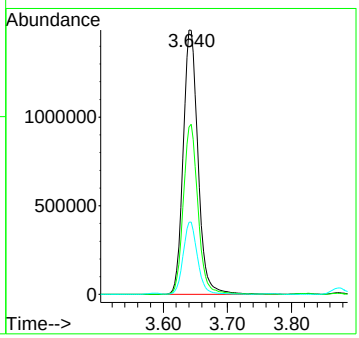


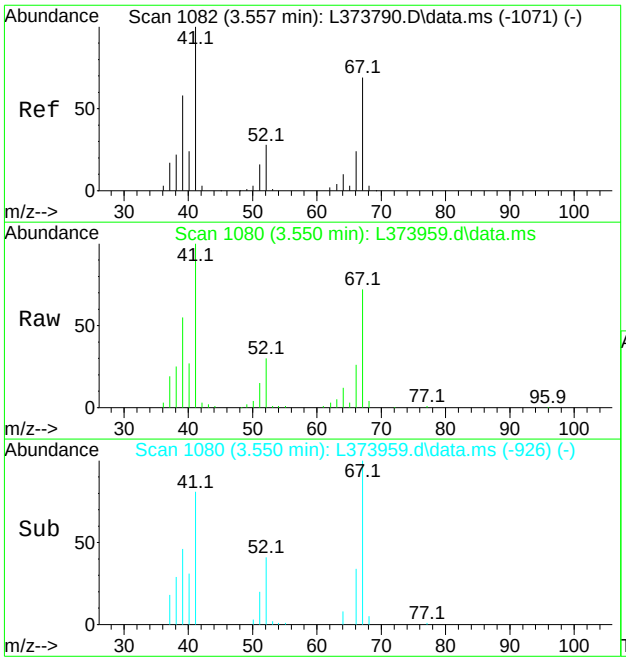


#42
chloroform
Concen: 532.8591 ug/L
RT: 3.640 min Scan# 1108
Delta R.T. -0.006 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 83 Resp: 2396234

Ion	Ratio	Lower	Upper
83	100		
85	63.3	29.7	89.7
47	27.2	0.0	54.6

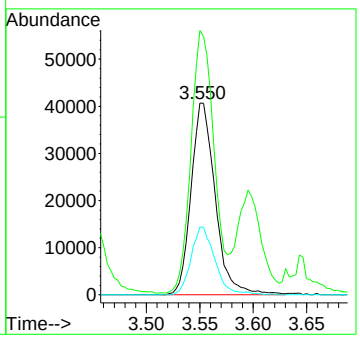


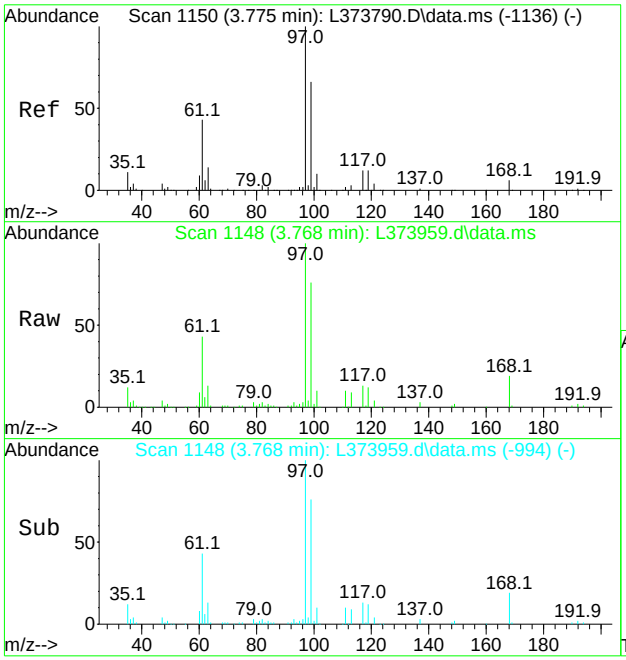


#44
methacrylonitrile
Concen: 47.1625 ug/L
RT: 3.550 min Scan# 1080
Delta R.T. -0.007 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 67 Resp: 63999

Ion	Ratio	Lower	Upper
67	100		
41	136.9	115.3	175.3
66	35.4	4.3	64.3

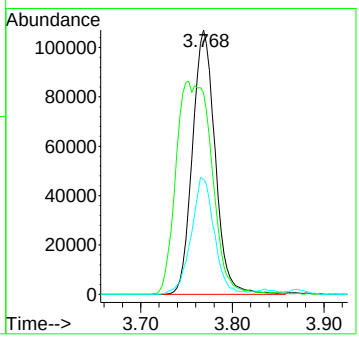


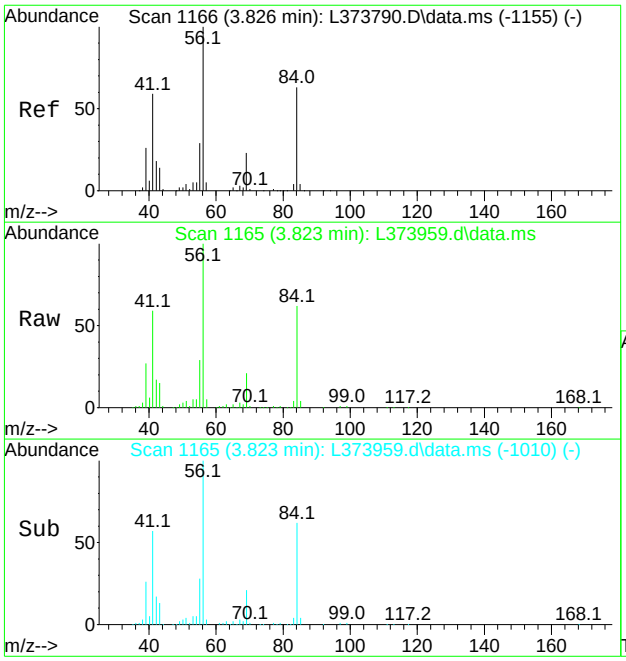


#45
1,1,1-trichloroethane
Concen: 51.7776 ug/L
RT: 3.768 min Scan# 1148
Delta R.T. -0.007 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 97 Resp: 184369

Ion	Ratio	Lower	Upper
97	100		
99	75.5	41.0	101.0
61	43.2	12.9	72.9

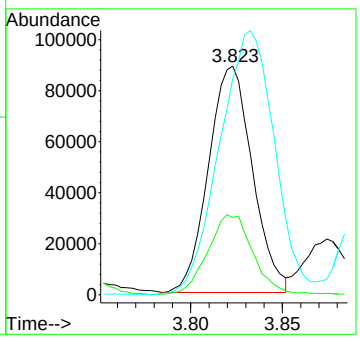


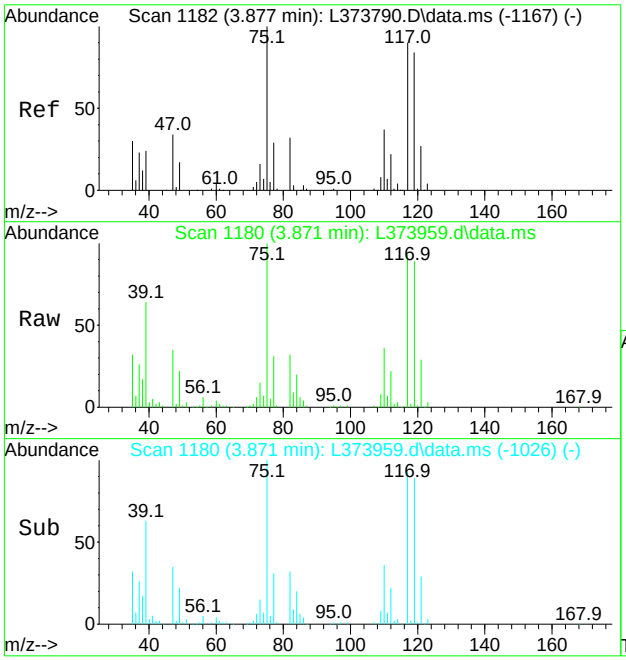


#46
cyclohexane
Concen: 50.3223 ug/L
RT: 3.823 min Scan# 1165
Delta R.T. -0.003 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 84 Resp: 148897

Ion	Ratio	Lower	Upper
84	100		
69	33.9	16.2	56.2
41	94.9	73.6	113.6

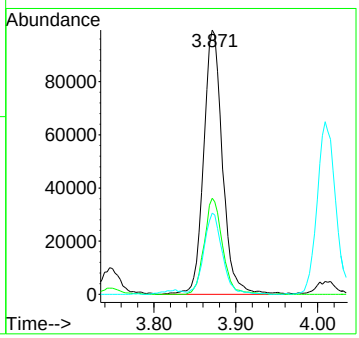


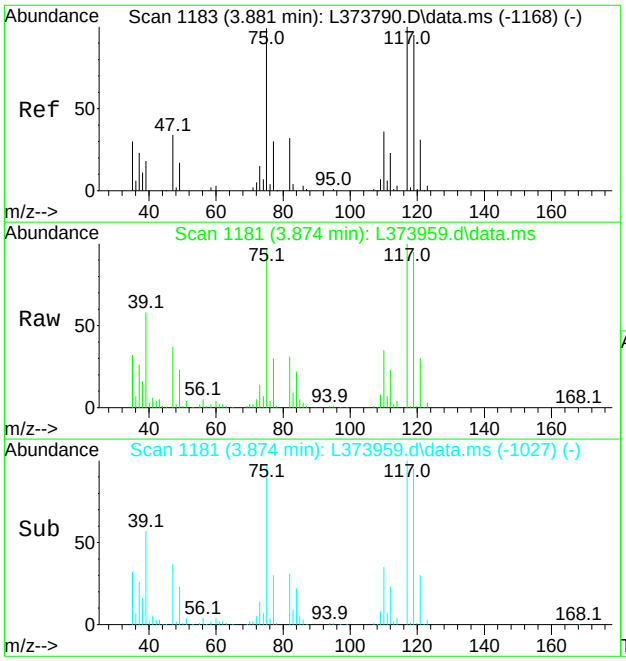


#47
1,1-dichloropropene
Concen: 55.0909 ug/L
RT: 3.871 min Scan# 1180
Delta R.T. -0.006 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 75 Resp: 159085

Ion	Ratio	Lower	Upper
75	100		
110	36.4	17.0	57.0
77	30.4	10.2	50.2

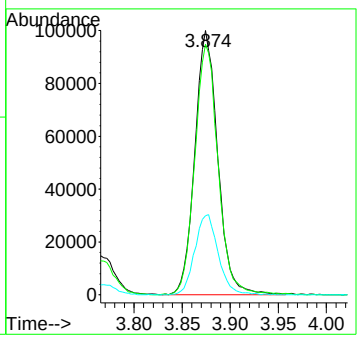


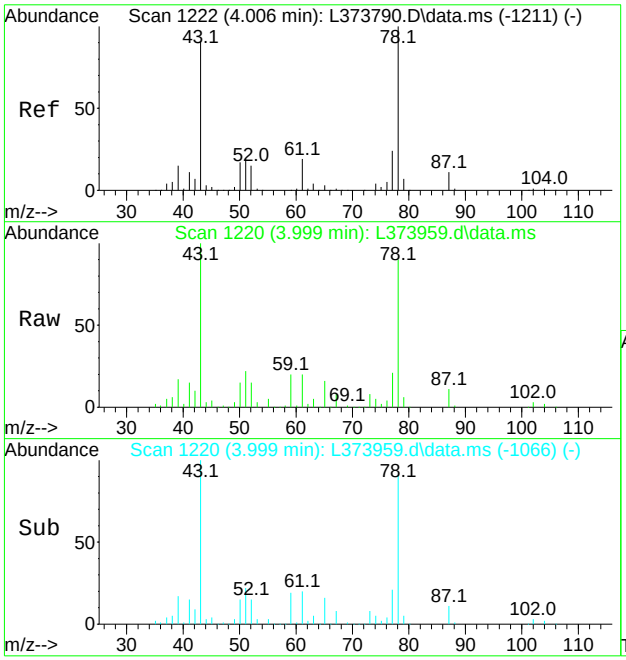


#48
carbon tetrachloride
Concen: 57.3074 ug/L
RT: 3.874 min Scan# 1181
Delta R.T. -0.007 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion:117 Resp: 166337

Ion	Ratio	Lower	Upper
117	100		
119	94.5	74.4	114.4
121	29.9	10.8	50.8

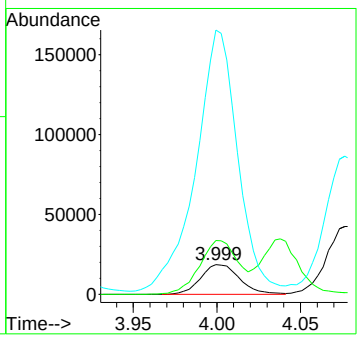


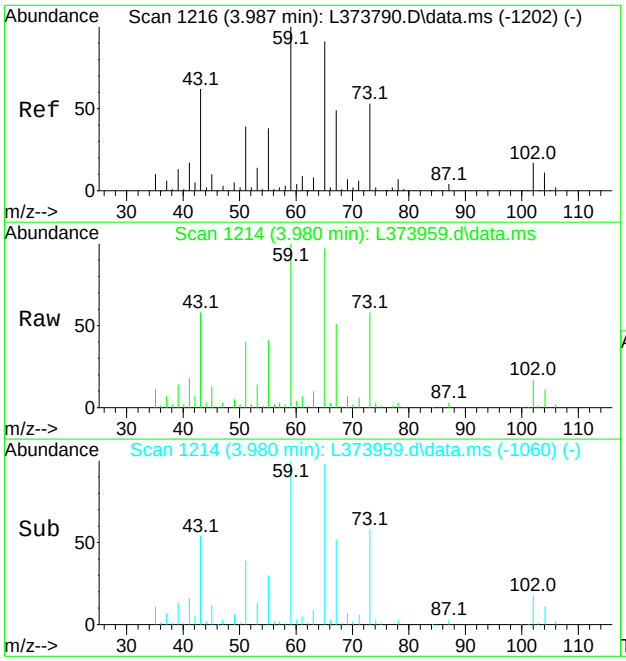


#49
isopropyl acetate
Concen: 46.9756 ug/L
RT: 3.999 min Scan# 1220
Delta R.T. -0.007 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 87 Resp: 30260

Ion	Ratio	Lower	Upper
87	100		
61	177.9	152.1	192.1
43	858.8	844.1	904.1

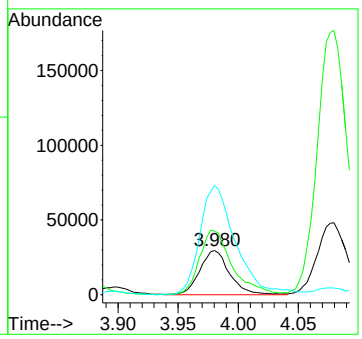


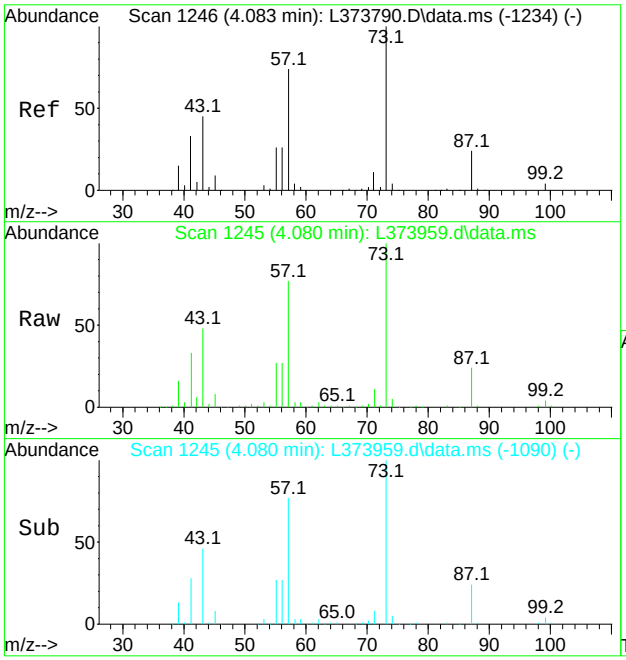


#50
tert amyl alcohol
Concen: 204.2808 ug/L
RT: 3.980 min Scan# 1214
Delta R.T. -0.007 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 55 Resp: 51515

Ion	Ratio	Lower	Upper
55	100		
73	144.7	119.2	159.2
59	247.8	242.0	282.0

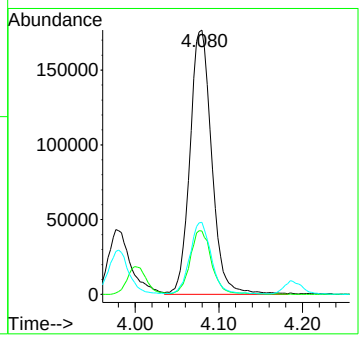


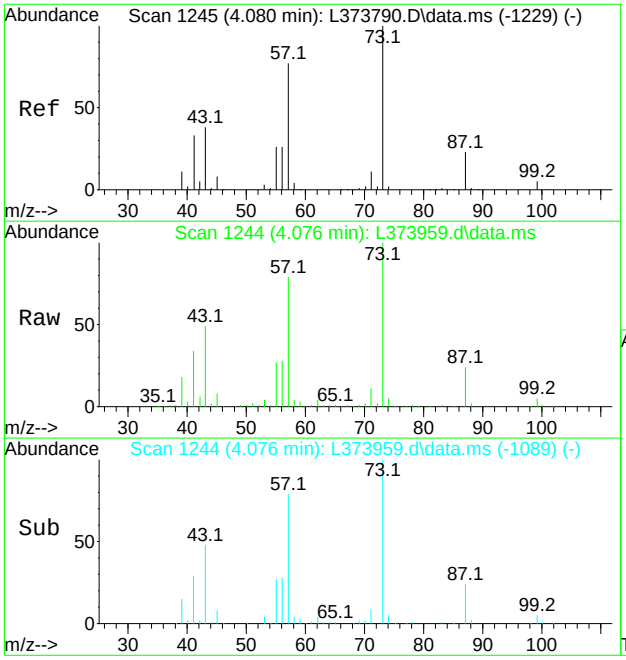


#53
tert-amyl methyl ether
Concen: 48.8022 ug/L
RT: 4.080 min Scan# 1245
Delta R.T. -0.003 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 73 Resp: 320405

Ion	Ratio	Lower	Upper
73	100		
87	24.0	4.6	44.6
55	27.0	5.7	45.7

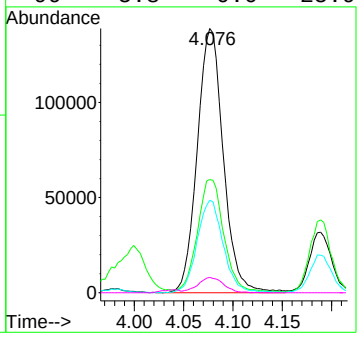


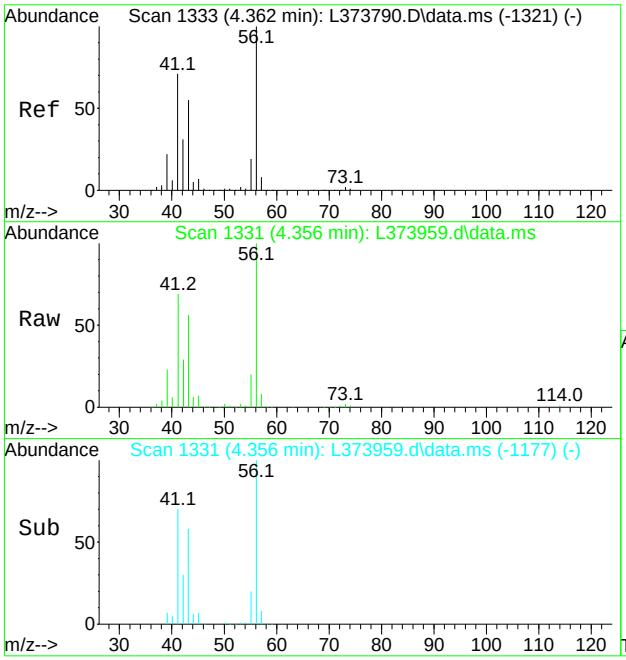


#54
2,2,4-trimethylpentane
Concen: 52.2522 ug/L
RT: 4.076 min Scan# 1244
Delta R.T. -0.004 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 57 Resp: 255316

Ion	Ratio	Lower	Upper
57	100		
41	42.4	25.1	65.1
56	35.0	13.8	53.8
99	5.8	0.0	25.9

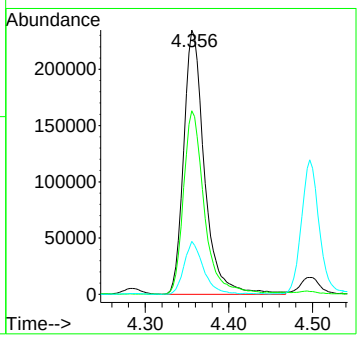


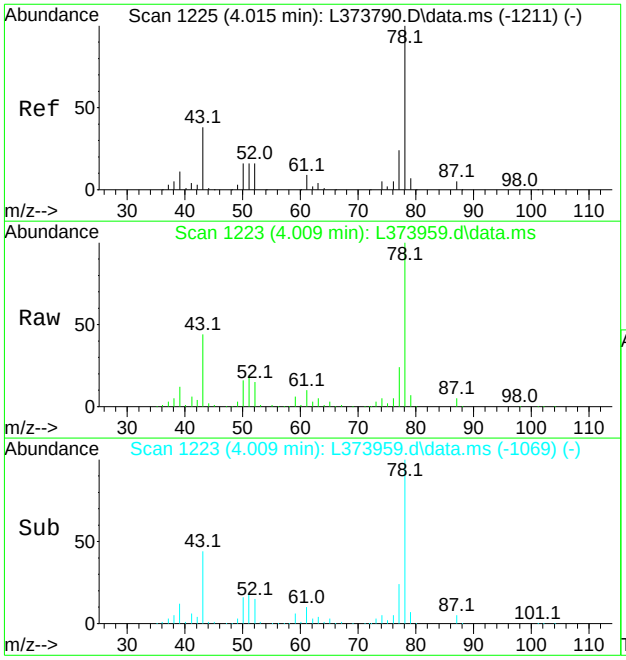


#55
n-butyl alcohol
Concen: 2104.2536 ug/L
RT: 4.356 min Scan# 1331
Delta R.T. -0.006 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 56 Resp: 406032

Ion	Ratio	Lower	Upper
56	100		
41	69.4	40.6	100.6
55	20.1	0.0	49.1

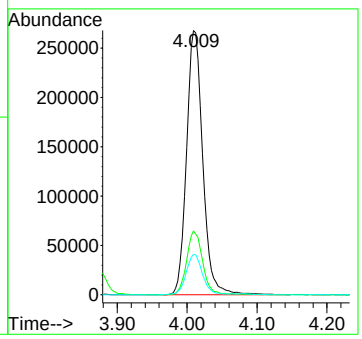


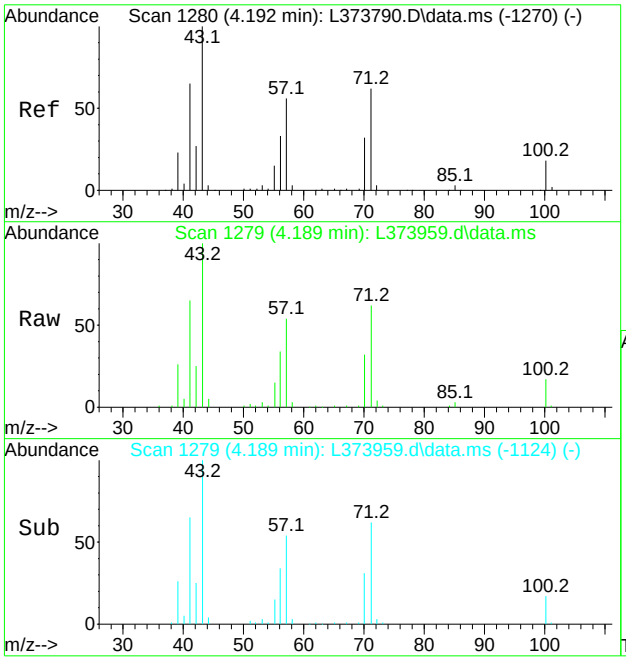


#56
benzene
Concen: 49.3411 ug/L
RT: 4.009 min Scan# 1223
Delta R.T. -0.006 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 78 Resp: 433059

Ion	Ratio	Lower	Upper
78	100		
77	24.2	0.0	53.5
52	15.2	0.0	46.2

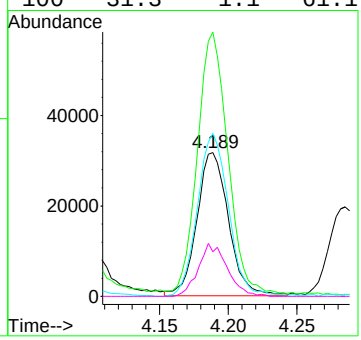


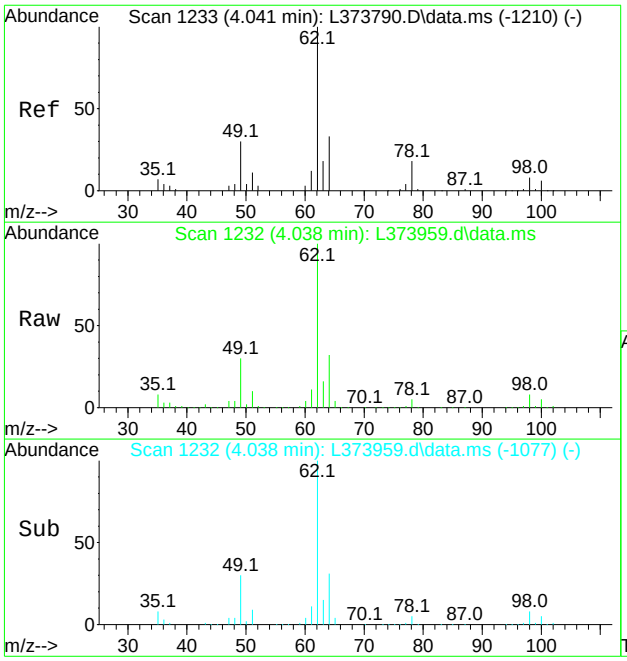


#57
heptane
Concen: 48.8865 ug/L
RT: 4.189 min Scan# 1279
Delta R.T. -0.003 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 57 Resp: 50639

Ion	Ratio	Lower	Upper
57	100		
43	184.1	146.8	206.8
71	114.9	78.5	138.5
100	31.3	1.1	61.1

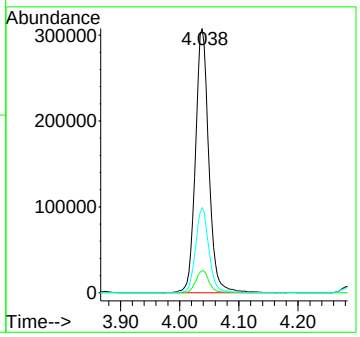


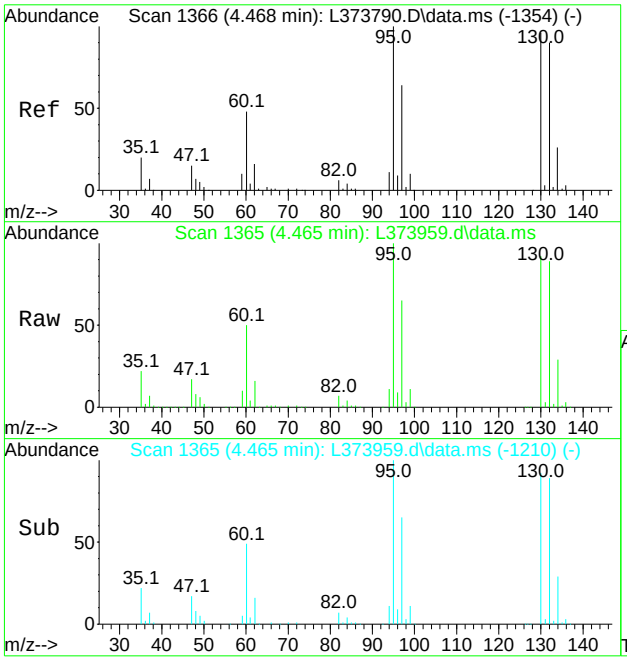


#58
1,2-dichloroethane
Concen: 144.7582 ug/L
RT: 4.038 min Scan# 1232
Delta R.T. -0.003 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 62 Resp: 483633

Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	38.1
64	32.2	2.8	62.8

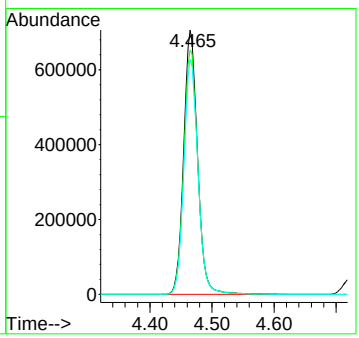


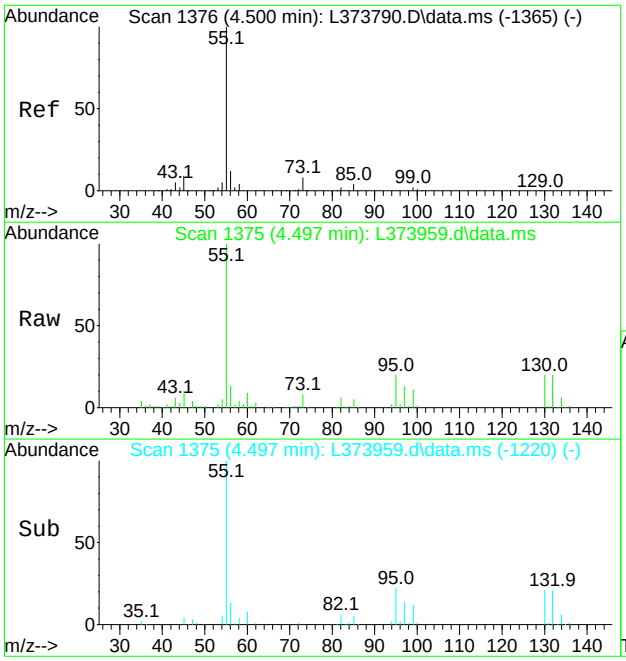


#59
trichloroethene
Concen: 497.3118 ug/L
RT: 4.465 min Scan# 1365
Delta R.T. -0.003 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 95 Resp: 1098926

Ion	Ratio	Lower	Upper
95	100		
130	92.4	65.5	125.5
132	88.8	59.7	119.7

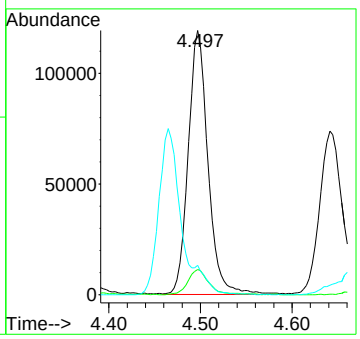


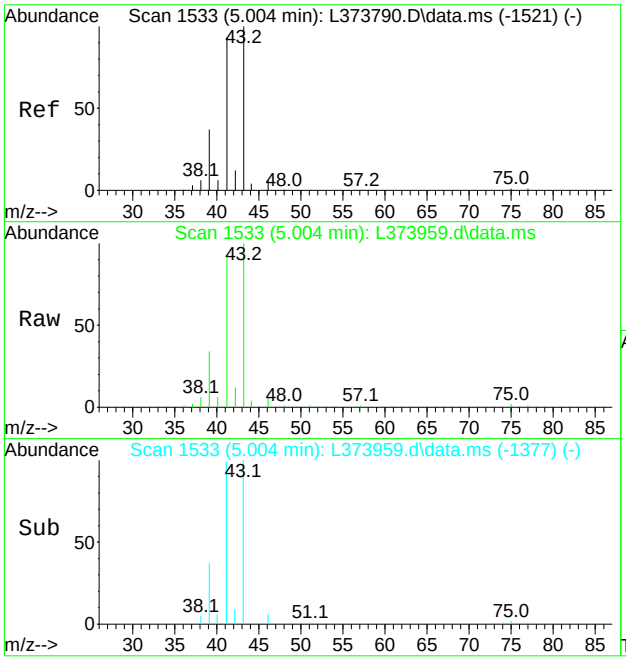


#60
ethyl acrylate
Concen: 45.2288 ug/L
RT: 4.497 min Scan# 1375
Delta R.T. -0.003 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 55 Resp: 178868

Ion	Ratio	Lower	Upper
55	100		
45	9.6	0.0	28.6
99	11.2	0.0	27.8

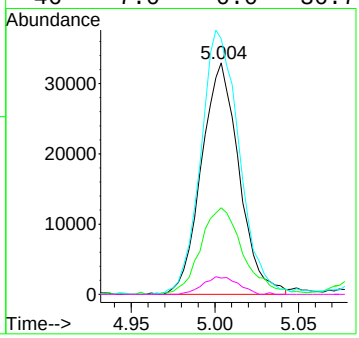


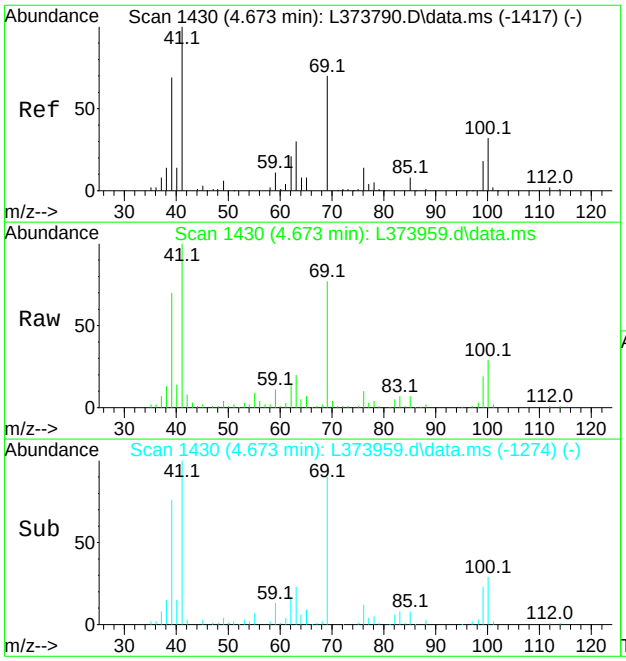


#61
2-nitropropane
Concen: 43.9293 ug/L
RT: 5.004 min Scan# 1533
Delta R.T. -0.000 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 41 Resp: 51549

Ion	Ratio	Lower	Upper
41	100		
39	36.6	10.0	70.0
43	110.3	77.9	137.9
46	7.0	0.0	36.7

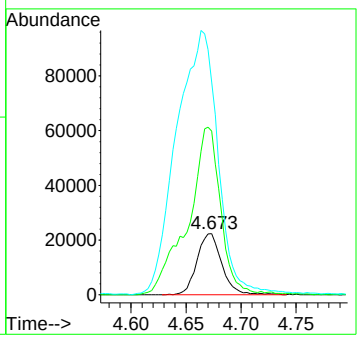


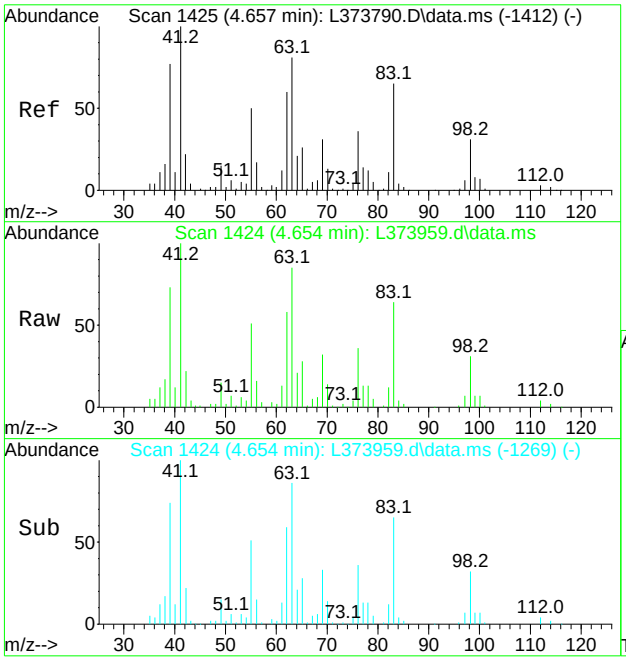


#63
methyl methacrylate
Concen: 48.0741 ug/L
RT: 4.673 min Scan# 1430
Delta R.T. 0.000 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion:100 Resp: 35215

Ion	Ratio	Lower	Upper
100	100		
69	265.7	221.2	281.2
41	343.9	360.4	420.4#

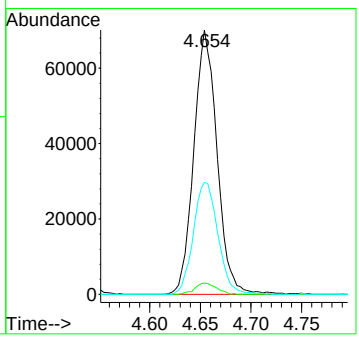


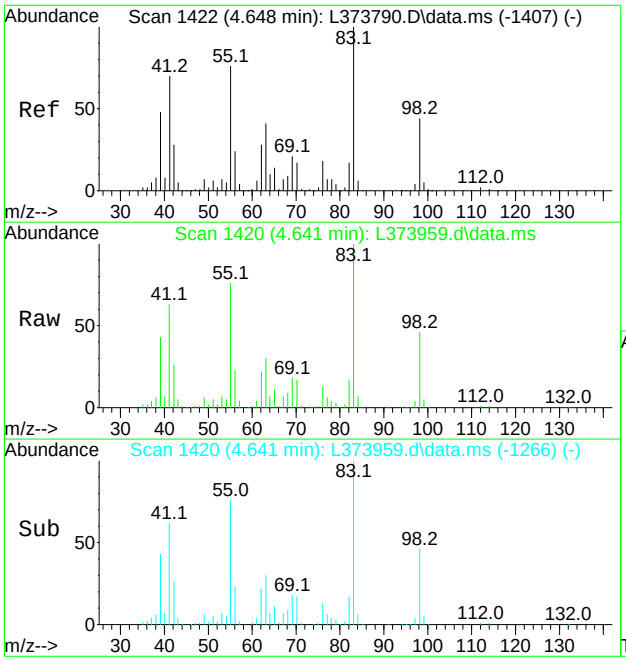


#64
1,2-dichloropropane
Concen: 50.1296 ug/L
RT: 4.654 min Scan# 1424
Delta R.T. -0.003 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 63 Resp: 112308

Ion	Ratio	Lower	Upper
63	100		
112	4.2	0.0	34.1
76	42.4	14.3	74.3

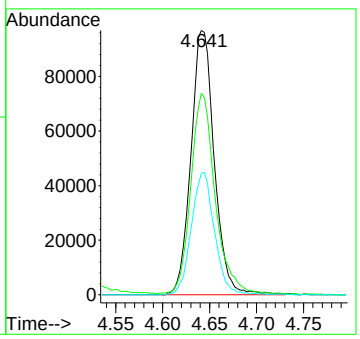


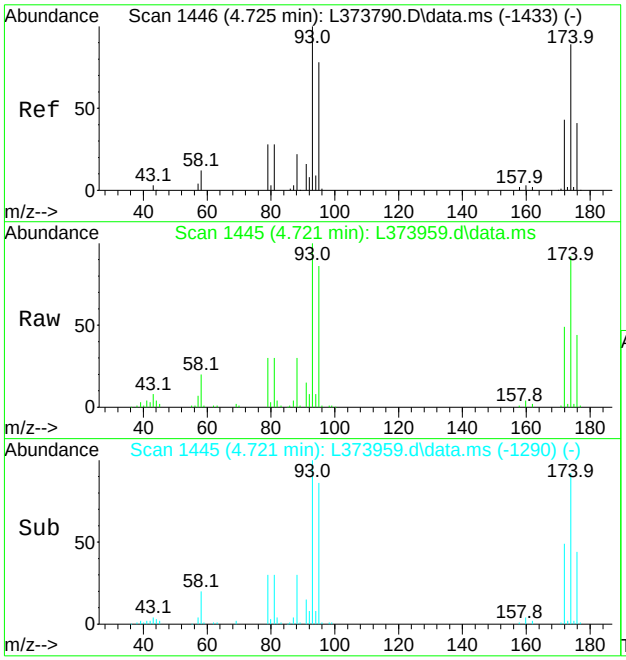


#65
methylcyclohexane
Concen: 55.3572 ug/L
RT: 4.641 min Scan# 1420
Delta R.T. -0.007 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 83 Resp: 167687

Ion	Ratio	Lower	Upper
83	100		
55	75.8	46.3	106.3
98	45.9	13.7	73.7

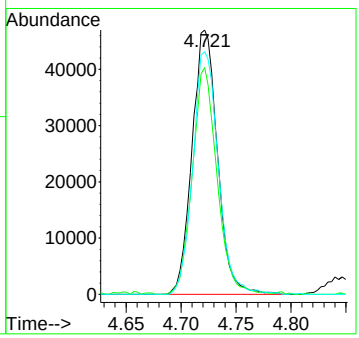


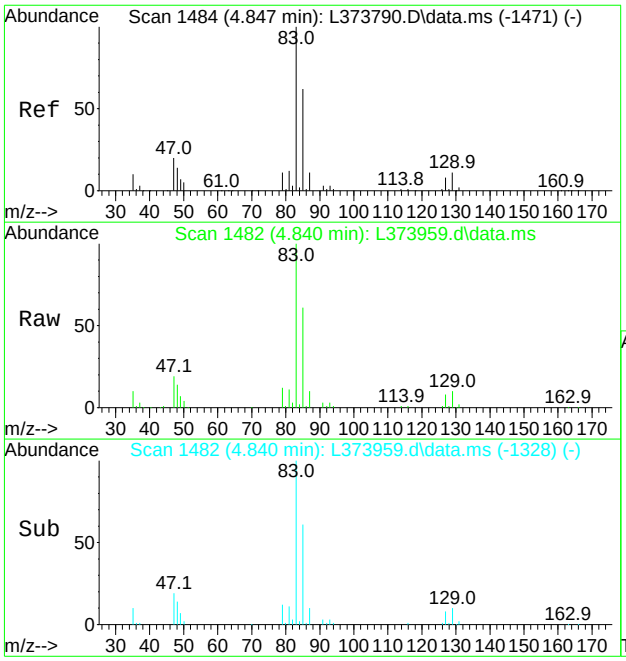


#66
dibromomethane
Concen: 49.0141 ug/L
RT: 4.721 min Scan# 1445
Delta R.T. -0.004 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 93 Resp: 75654

Ion	Ratio	Lower	Upper
93	100		
95	85.8	48.3	108.3
174	91.8	59.2	119.2

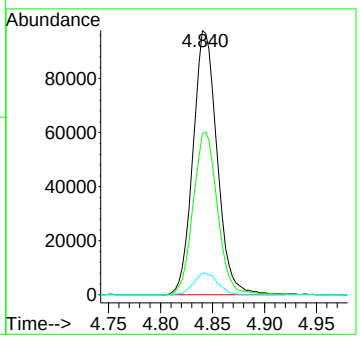


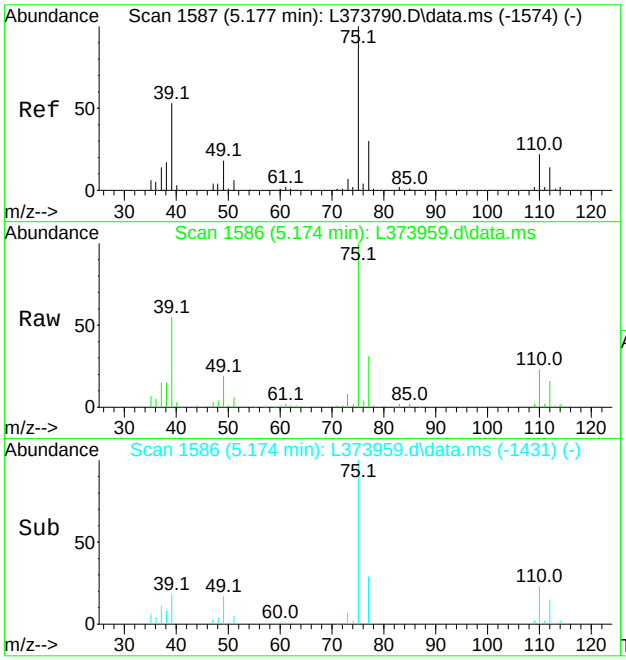


#67
bromodichloromethane
Concen: 49.5162 ug/L
RT: 4.840 min Scan# 1482
Delta R.T. -0.007 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 83 Resp: 158314

Ion	Ratio	Lower	Upper
83	100		
85	61.0	31.5	91.5
127	8.3	0.0	38.3

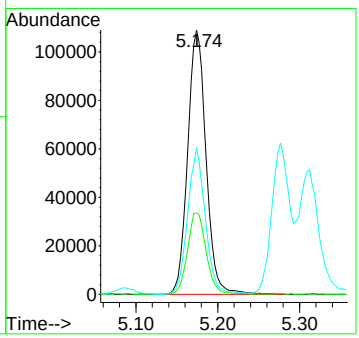


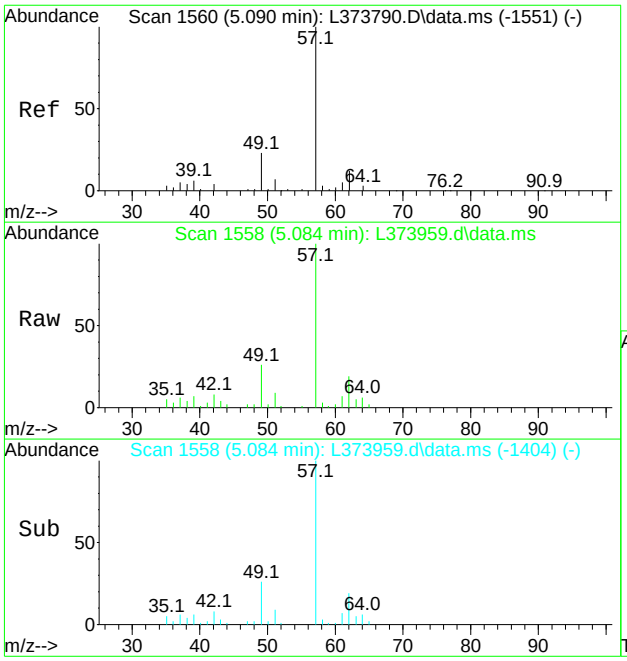


#68
cis-1,3-dichloropropene
Concen: 47.5089 ug/L
RT: 5.174 min Scan# 1586
Delta R.T. -0.003 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 75 Resp: 170270

Ion	Ratio	Lower	Upper
75	100		
77	30.8	0.1	60.1
39	55.4	23.1	83.1

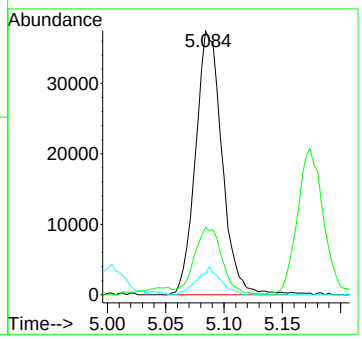


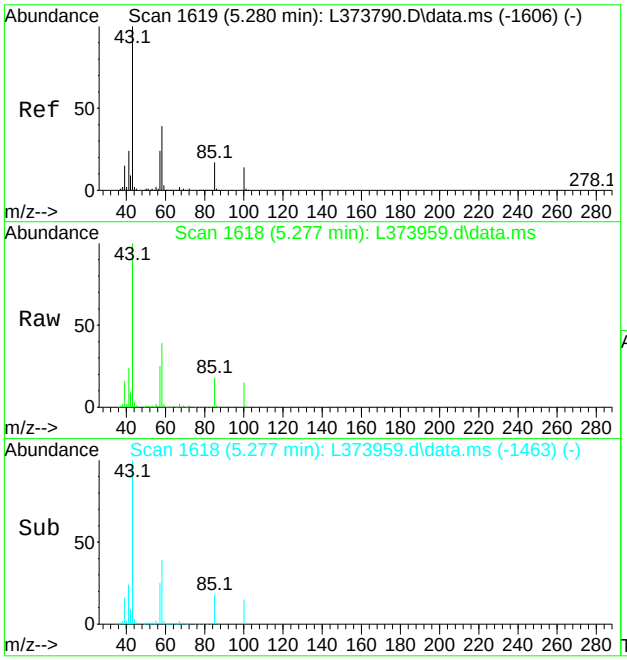


#69
epichlorohydrin
Concen: 129.5227 ug/L
RT: 5.084 min Scan# 1558
Delta R.T. -0.006 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 57 Resp: 59175

Ion	Ratio	Lower	Upper
57	100		
49	22.9	1.0	41.0
42	7.7	0.0	29.5

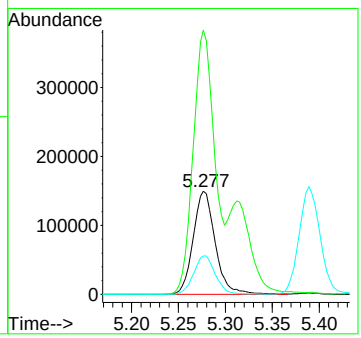


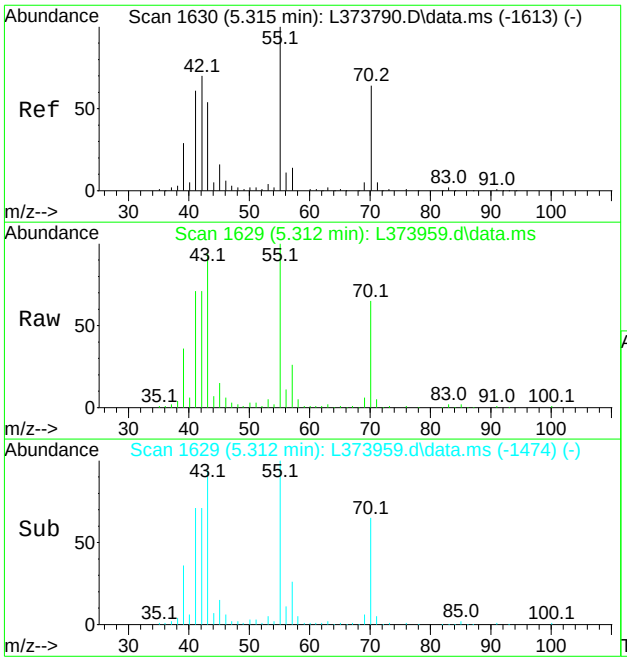


#70
4-methyl-2-pentanone
Concen: 173.8254 ug/L
RT: 5.277 min Scan# 1618
Delta R.T. -0.003 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 58 Resp: 244830

Ion	Ratio	Lower	Upper
58	100		
43	256.0	233.3	273.3
100	37.3	15.2	55.2

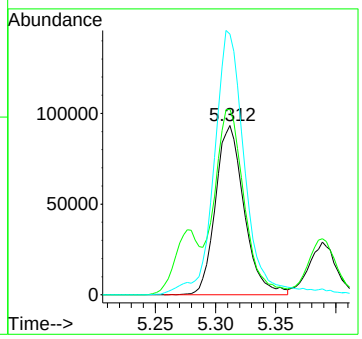


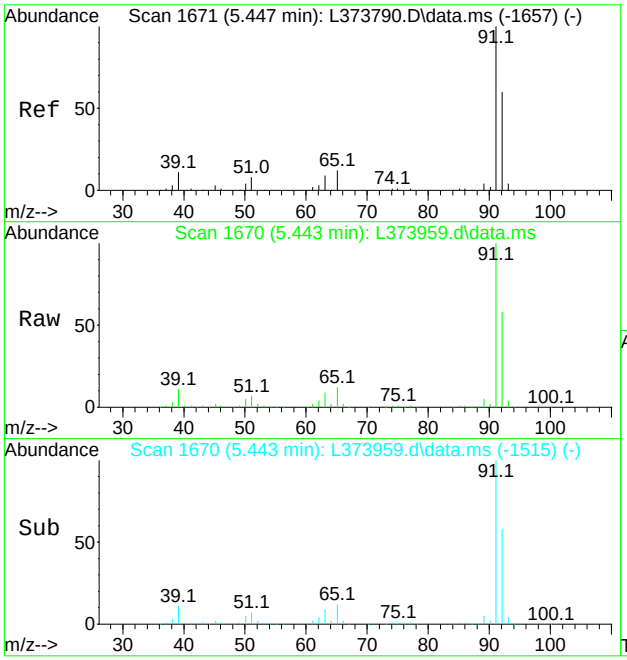


#71
3-methyl-1-butanol
Concen: 860.3932 ug/L
RT: 5.312 min Scan# 1629
Delta R.T. -0.003 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 70 Resp: 155121

Ion	Ratio	Lower	Upper
70	100		
42	106.0	94.2	134.2
55	152.6	137.5	177.5

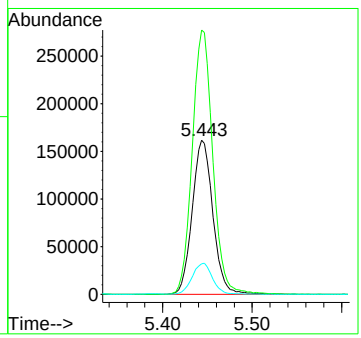


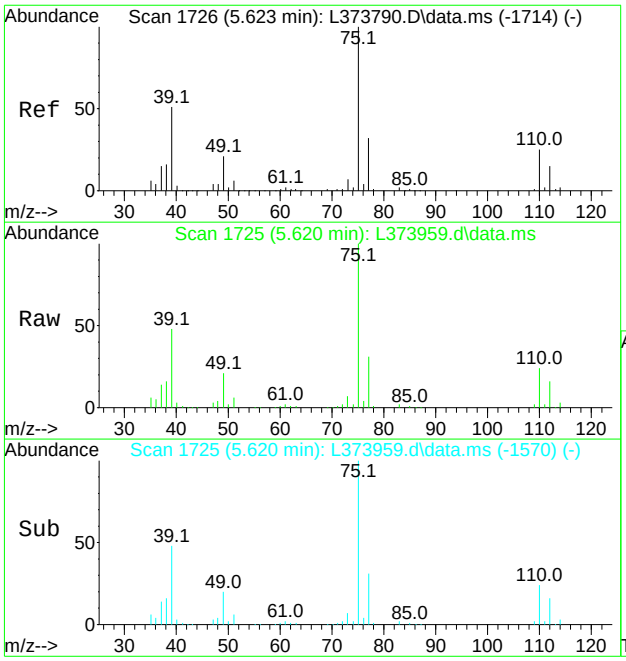


#74
toluene
Concen: 48.9887 ug/L
RT: 5.443 min Scan# 1670
Delta R.T. -0.004 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 92 Resp: 260117

Ion	Ratio	Lower	Upper
92	100		
91	171.6	136.7	196.7
65	20.0	0.0	50.8

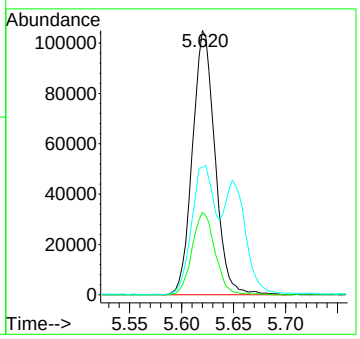


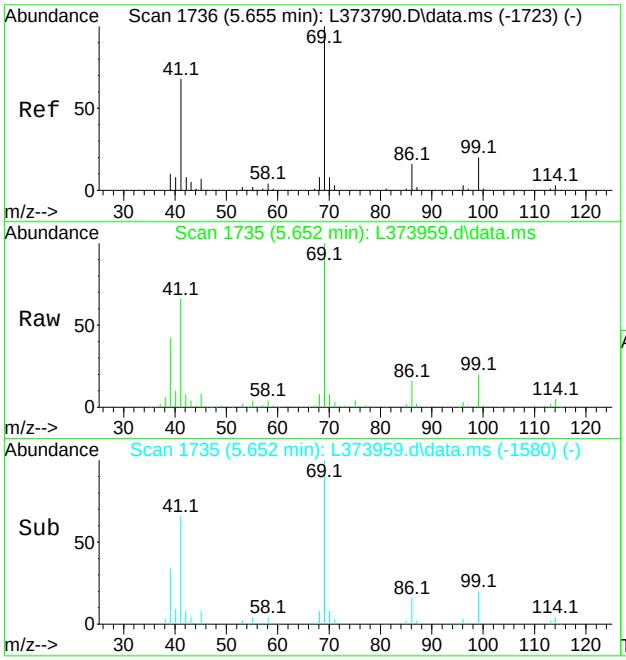


#75
trans-1,3-dichloropropene
Concen: 47.9291 ug/L
RT: 5.620 min Scan# 1725
Delta R.T. -0.003 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 75 Resp: 158673

Ion	Ratio	Lower	Upper
75	100		
77	31.2	1.7	61.7
39	48.1	20.7	80.7

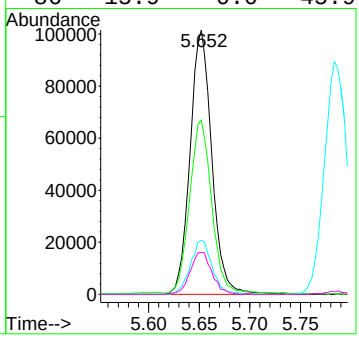


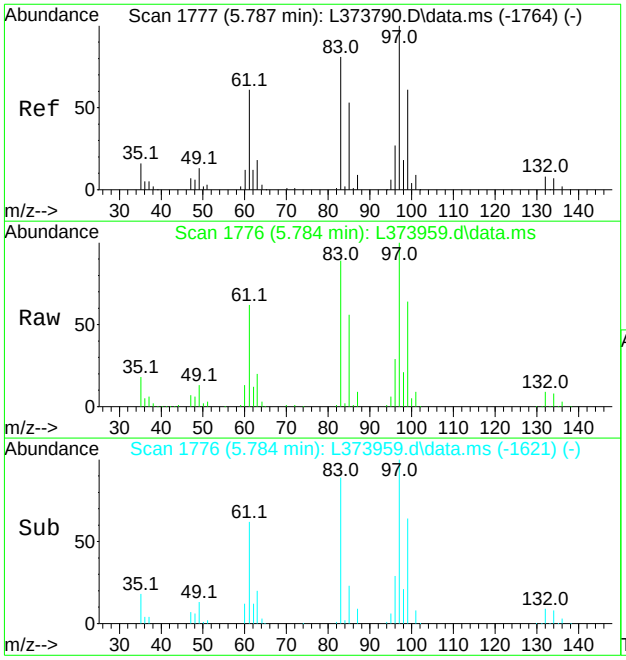


#76
ethyl methacrylate
Concen: 45.3436 ug/L
RT: 5.652 min Scan# 1735
Delta R.T. -0.003 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 69 Resp: 151674

Ion	Ratio	Lower	Upper
69	100		
41	65.4	38.9	98.9
99	20.4	0.0	50.4
86	15.9	0.0	45.9

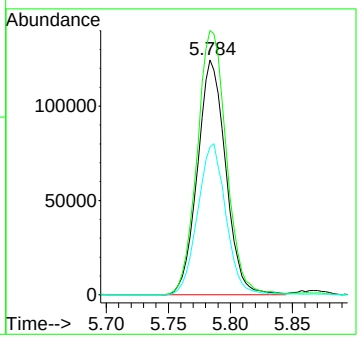


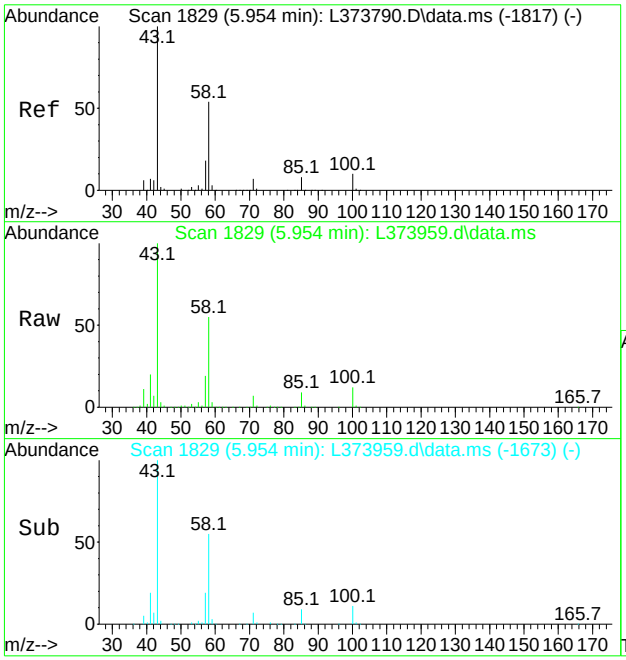


#77
1,1,2-trichloroethane
Concen: 112.0124 ug/L
RT: 5.784 min Scan# 1776
Delta R.T. -0.003 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 83 Resp: 197190

Ion	Ratio	Lower	Upper
83	100		
97	112.5	93.6	153.6
85	62.9	35.4	95.4

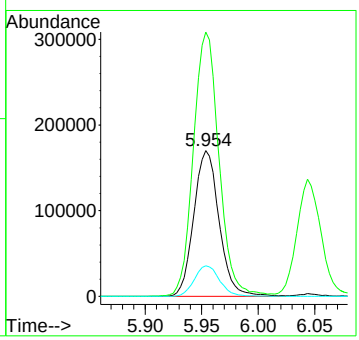


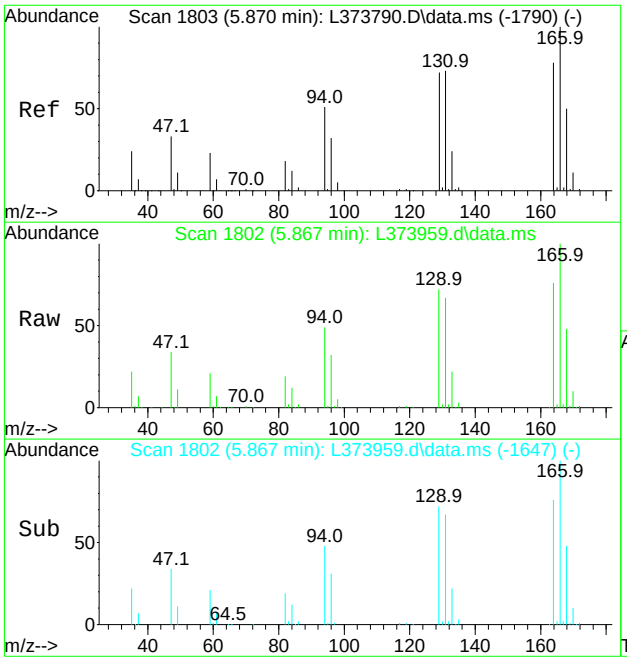


#78
2-hexanone
Concen: 175.9465 ug/L
RT: 5.954 min Scan# 1829
Delta R.T. -0.000 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 58 Resp: 265487

Ion	Ratio	Lower	Upper
58	100		
43	180.7	154.6	214.6
100	20.9	0.0	49.0

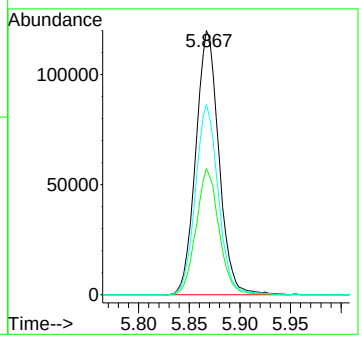


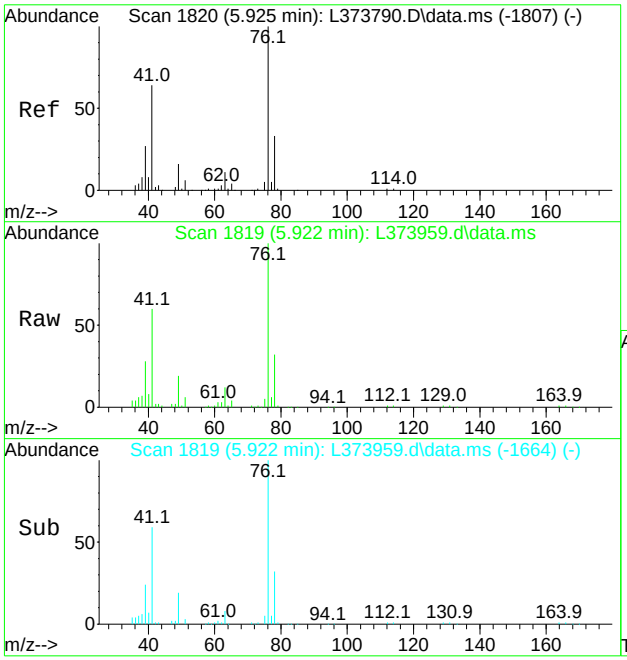


#79
tetrachloroethene
Concen: 89.4620 ug/L
RT: 5.867 min Scan# 1802
Delta R.T. -0.003 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion:166 Resp: 190801

Ion	Ratio	Lower	Upper
166	100		
168	47.8	19.7	79.7
129	72.0	42.4	102.4

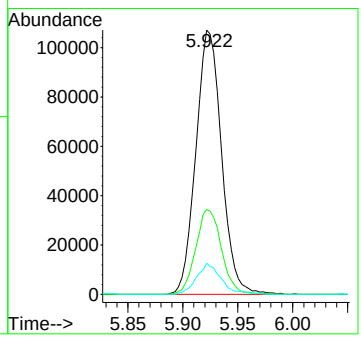


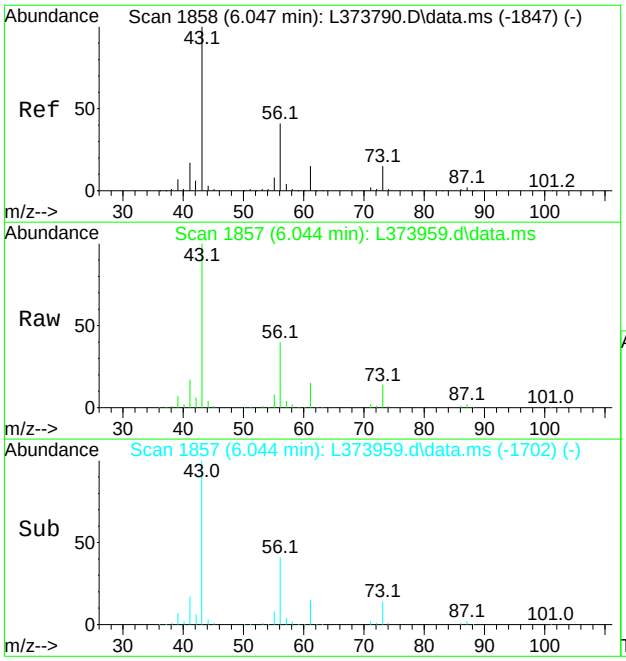


#80
1,3-dichloropropane
Concen: 51.3194 ug/L
RT: 5.922 min Scan# 1819
Delta R.T. -0.003 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 76 Resp: 174113

Ion	Ratio	Lower	Upper
76	100		
78	32.1	2.7	62.7
63	11.8	0.0	41.2

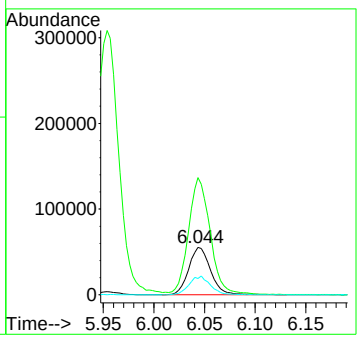


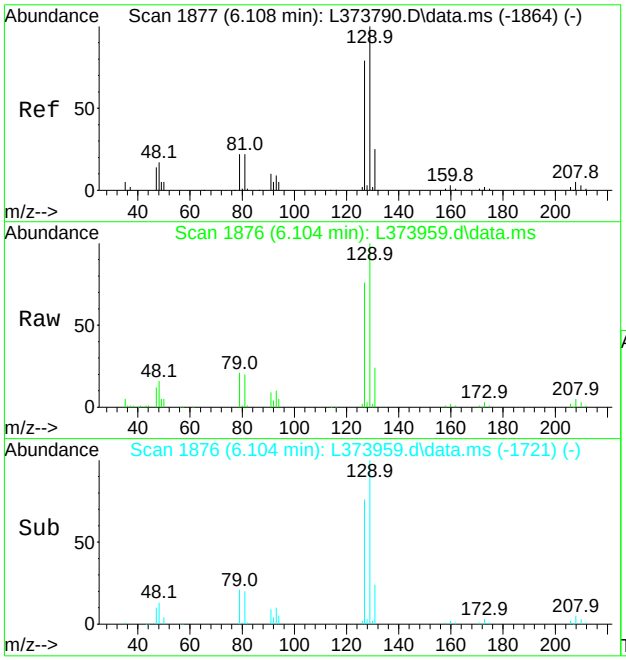


#81
butyl acetate
Concen: 41.9590 ug/L
RT: 6.044 min Scan# 1857
Delta R.T. -0.003 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 56 Resp: 83427

Ion	Ratio	Lower	Upper
56	100		
43	246.2	218.3	278.3
73	34.6	7.2	67.2

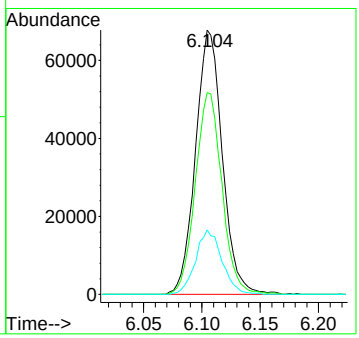


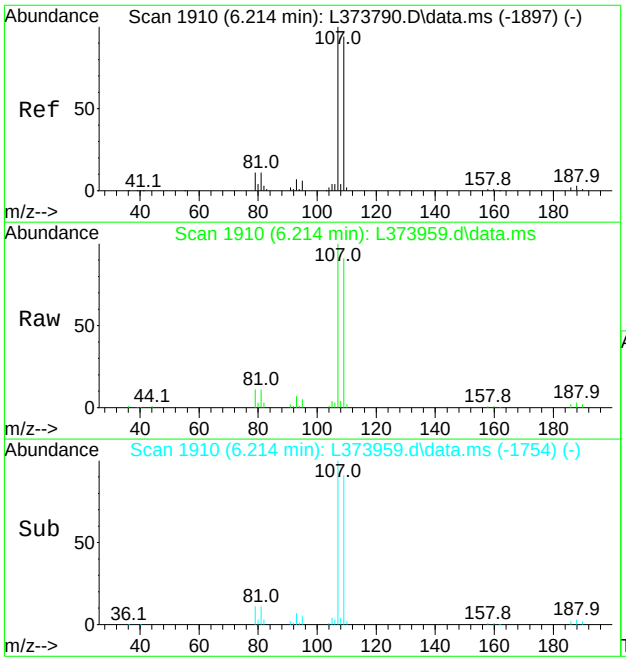


#82
dibromochloromethane
Concen: 47.8549 ug/L
RT: 6.104 min Scan# 1876
Delta R.T. -0.004 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion:129 Resp: 108658

Ion	Ratio	Lower	Upper
129	100		
127	76.3	49.0	109.0
131	24.4	0.0	54.6

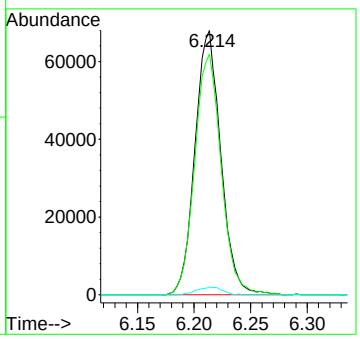


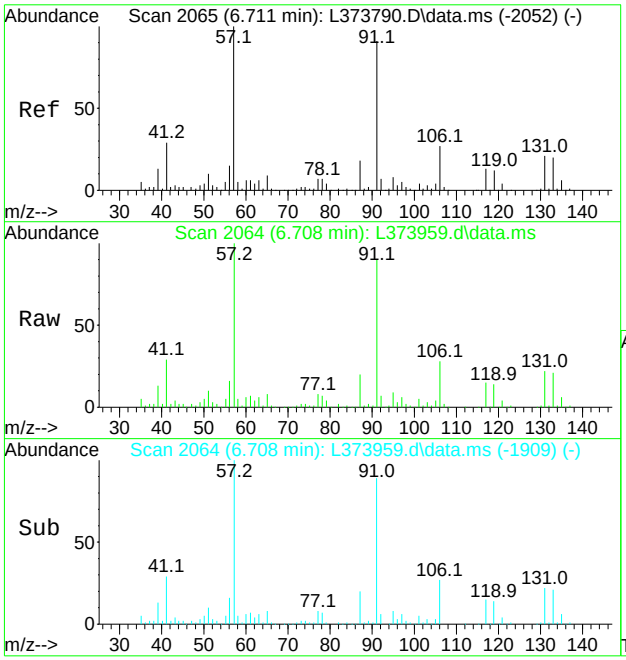


#83
1,2-dibromoethane
Concen: 50.3192 ug/L
RT: 6.214 min Scan# 1910
Delta R.T. -0.000 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion:107 Resp: 107625

Ion	Ratio	Lower	Upper
107	100		
109	91.1	63.9	123.9
188	2.9	0.0	33.4

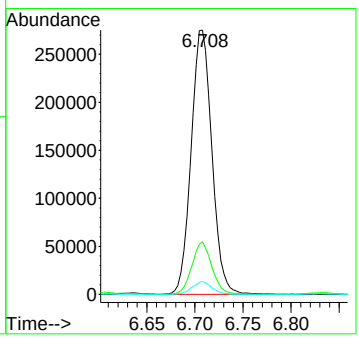


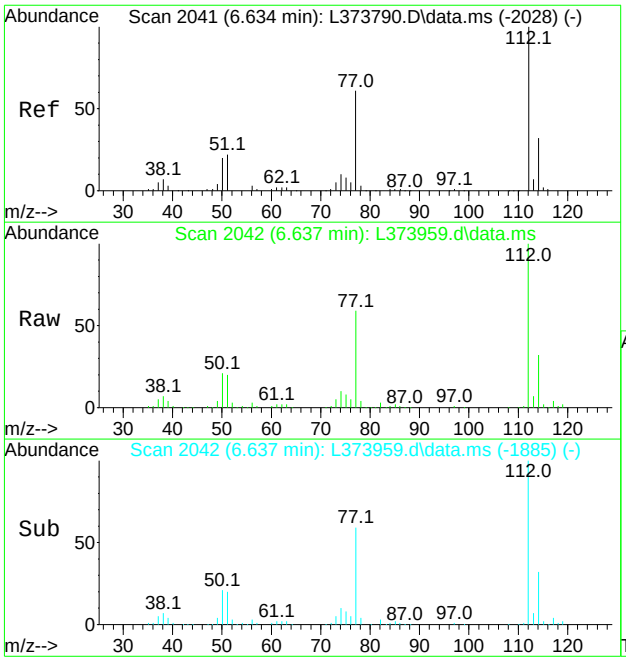


#84
n-butyl ether
Concen: 46.3828 ug/L
RT: 6.708 min Scan# 2064
Delta R.T. -0.003 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 57 Resp: 414572

Ion	Ratio	Lower	Upper
57	100		
87	19.9	0.0	47.8
101	4.9	0.0	34.2

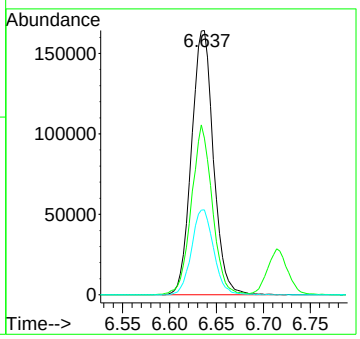


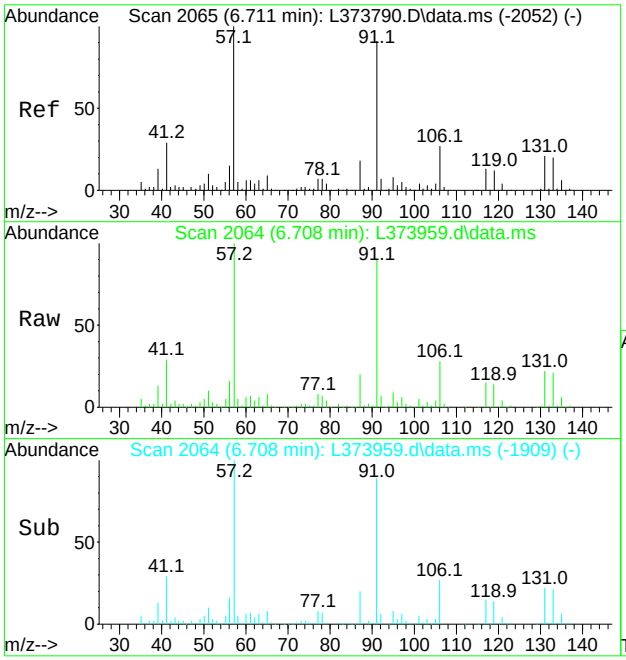


#85
chlorobenzene
Concen: 47.8859 ug/L
RT: 6.637 min Scan# 2042
Delta R.T. 0.003 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion:112 Resp: 266966

Ion	Ratio	Lower	Upper
112	100		
77	59.0	30.8	90.8
114	32.1	2.4	62.4

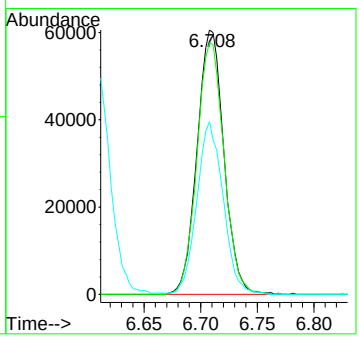


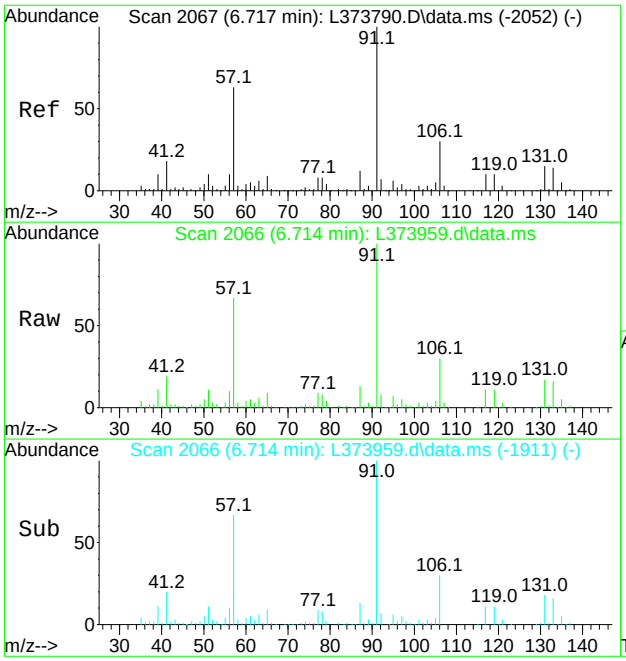


#86
1,1,1,2-tetrachloroethane
Concen: 52.8363 ug/L
RT: 6.708 min Scan# 2064
Delta R.T. -0.003 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion:131 Resp: 99681

Ion	Ratio	Lower	Upper
131	100		
133	95.3	65.1	125.1
119	65.3	30.8	90.8

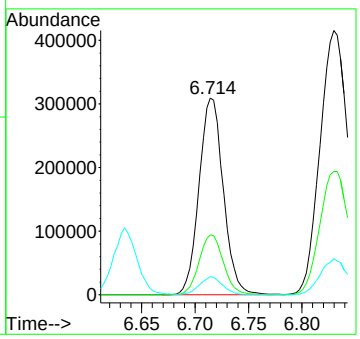


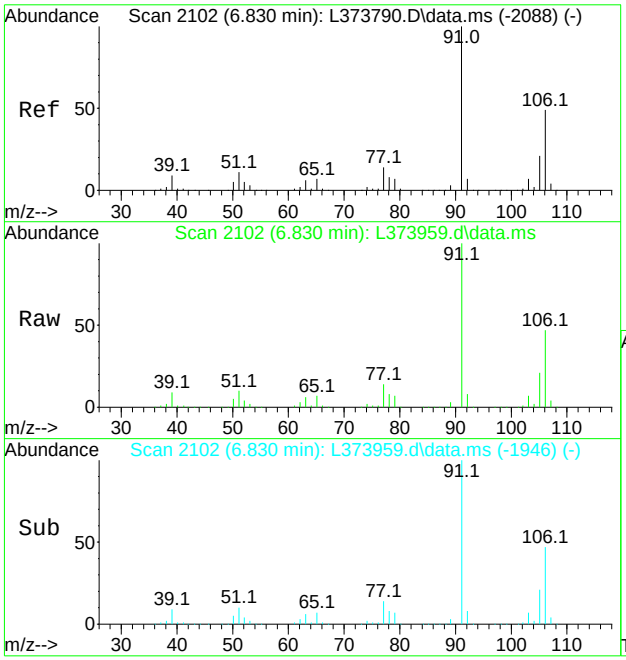


#87
ethylbenzene
Concen: 50.2449 ug/L
RT: 6.714 min Scan# 2066
Delta R.T. -0.003 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 91 Resp: 488718

Ion	Ratio	Lower	Upper
91	100		
106	30.5	0.1	60.1
77	9.2	0.0	38.6

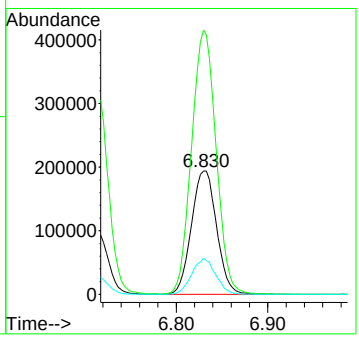


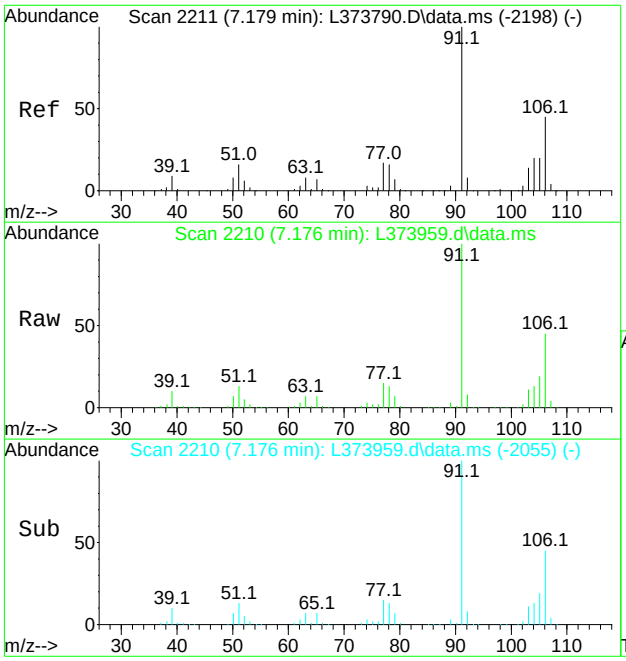


#88
m,p-xylene
Concen: 98.9362 ug/L
RT: 6.830 min Scan# 2102
Delta R.T. -0.000 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion:106 Resp: 370612

Ion	Ratio	Lower	Upper
106	100		
91	213.9	175.7	235.7
77	29.3	8.1	48.1

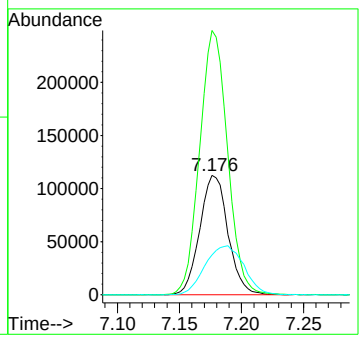


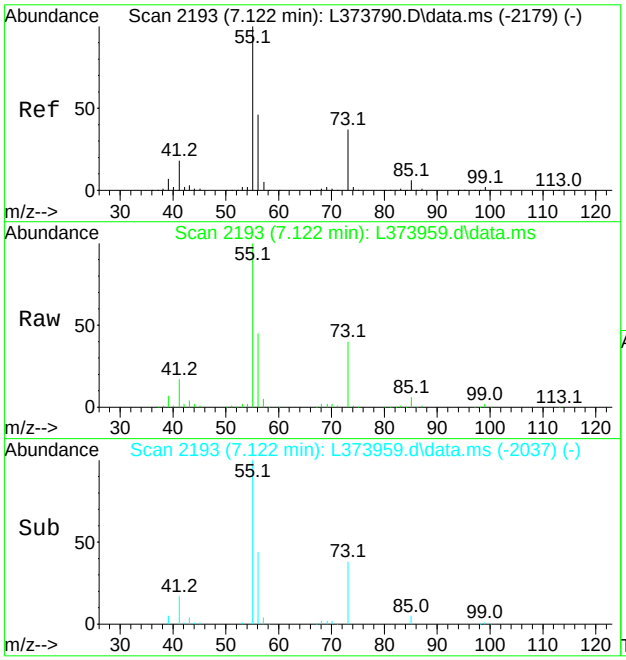


#89
o-xylene
Concen: 48.6324 ug/L
RT: 7.176 min Scan# 2210
Delta R.T. -0.003 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion:106 Resp: 178132

Ion	Ratio	Lower	Upper
106	100		
91	221.1	194.5	254.5
77	33.4	18.1	58.1

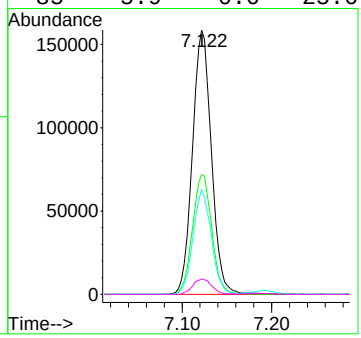


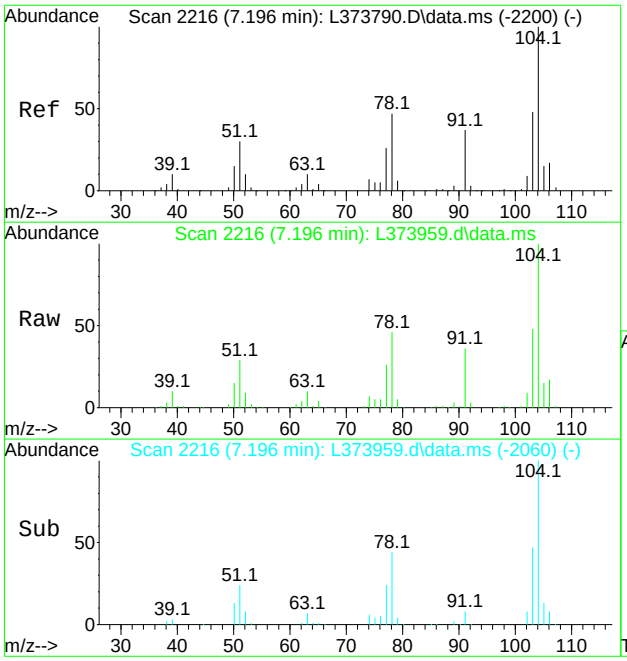


#90
butyl acrylate
Concen: 43.5893 ug/L
RT: 7.122 min Scan# 2193
Delta R.T. -0.000 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 55 Resp: 233541

Ion	Ratio	Lower	Upper
55	100		
56	45.3	26.3	66.3
73	39.8	17.5	57.5
85	5.9	0.0	25.6

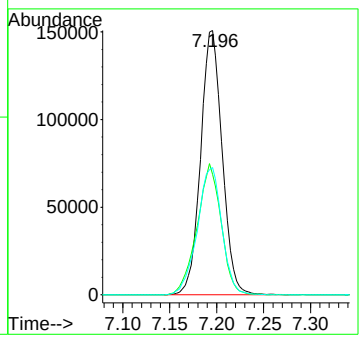


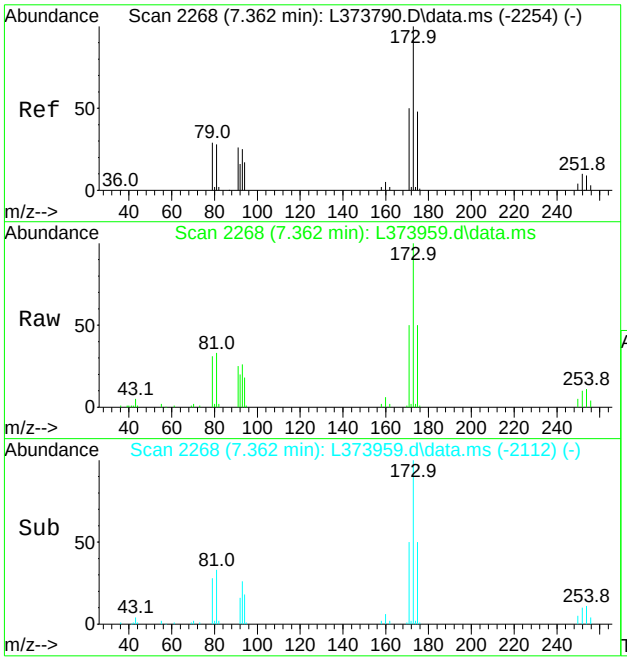


#91
styrene
Concen: 39.2203 ug/L
RT: 7.196 min Scan# 2216
Delta R.T. -0.000 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion:104 Resp: 240876

Ion	Ratio	Lower	Upper
104	100		
78	45.6	16.8	76.8
103	48.1	17.7	77.7

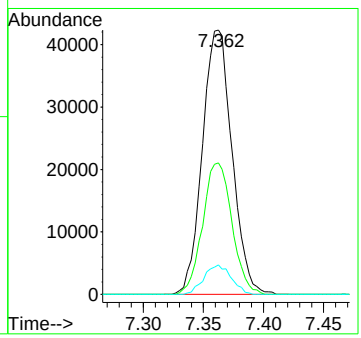


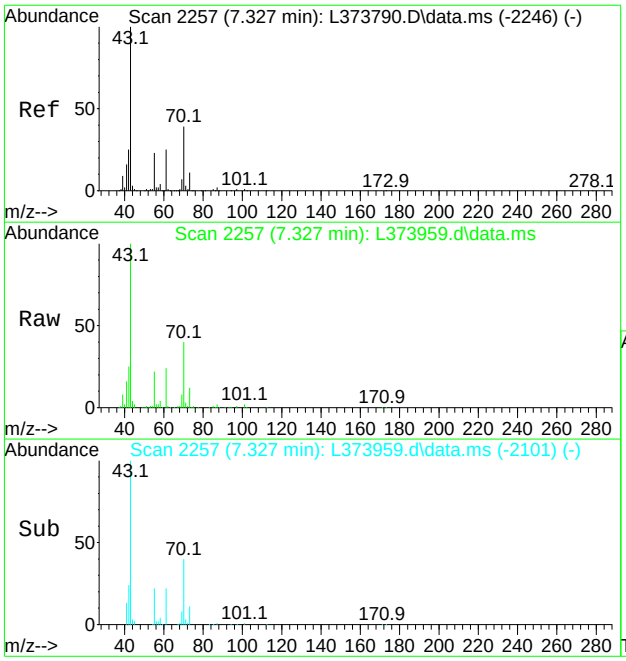


#92
bromoform
Concen: 44.9402 ug/L
RT: 7.362 min Scan# 2268
Delta R.T. 0.000 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion:173 Resp: 72518

Ion	Ratio	Lower	Upper
173	100		
175	49.8	17.8	77.8
254	11.1	0.0	39.4

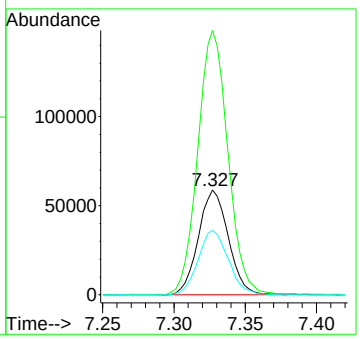


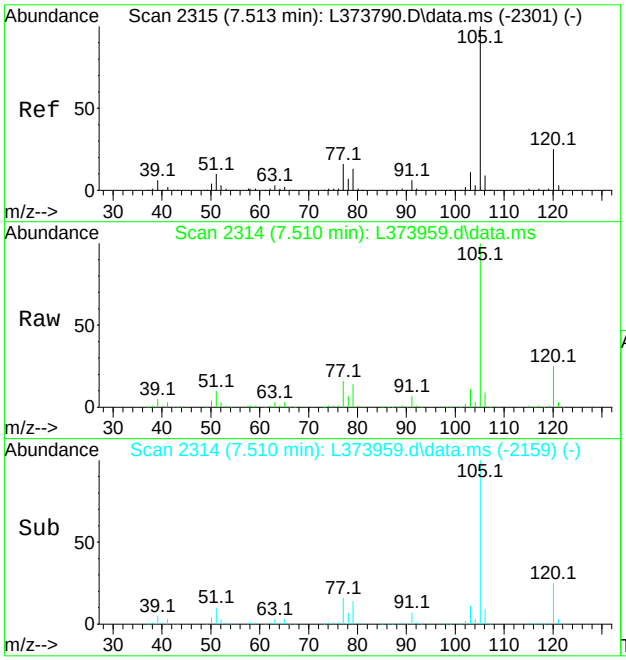


#93
n-amyl acetate
Concen: 42.8298 ug/L
RT: 7.327 min Scan# 2257
Delta R.T. 0.000 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 70 Resp: 85877

Ion	Ratio	Lower	Upper
70	100		
43	252.4	233.4	273.4
61	61.6	42.6	82.6

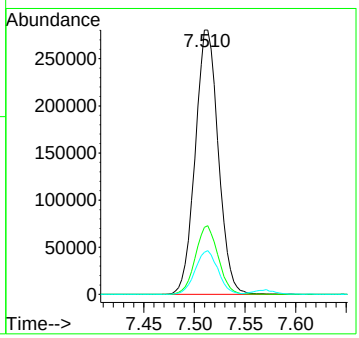


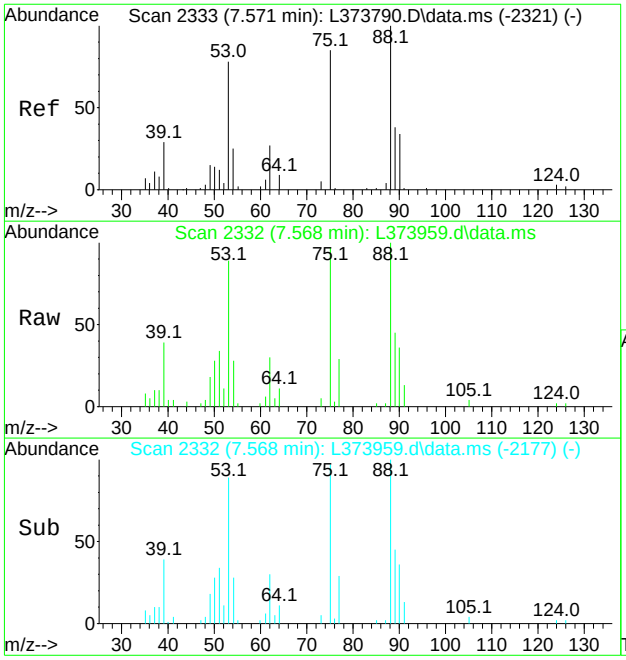


#94
isopropylbenzene
Concen: 50.3249 ug/L
RT: 7.510 min Scan# 2314
Delta R.T. -0.003 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion:105 Resp: 444907

Ion	Ratio	Lower	Upper
105	100		
120	25.4	5.2	45.2
77	16.0	0.0	36.2

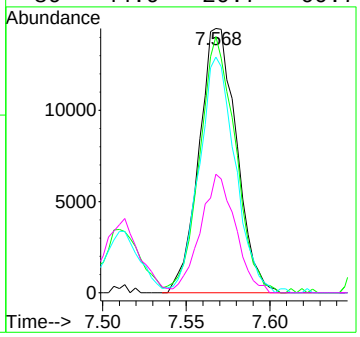


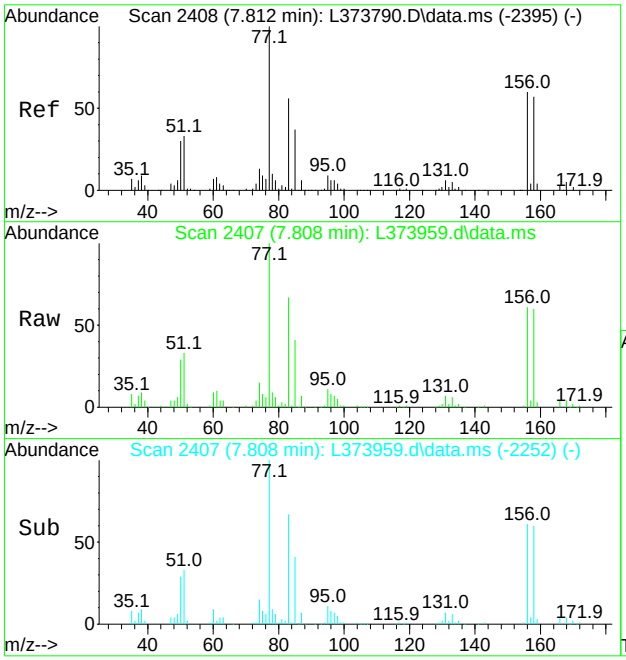


#95
cis-1,4-dichloro-2-butene
Concen: 30.0129 ug/L
RT: 7.568 min Scan# 2332
Delta R.T. -0.003 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 88 Resp: 22588

Ion	Ratio	Lower	Upper
88	100		
75	96.9	66.5	106.5
53	87.7	59.7	99.7
89	44.9	20.7	60.7

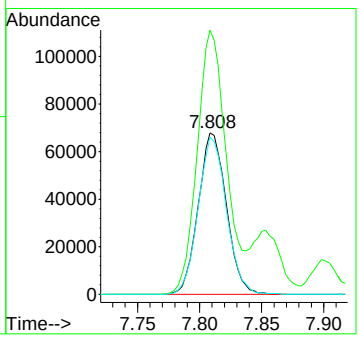


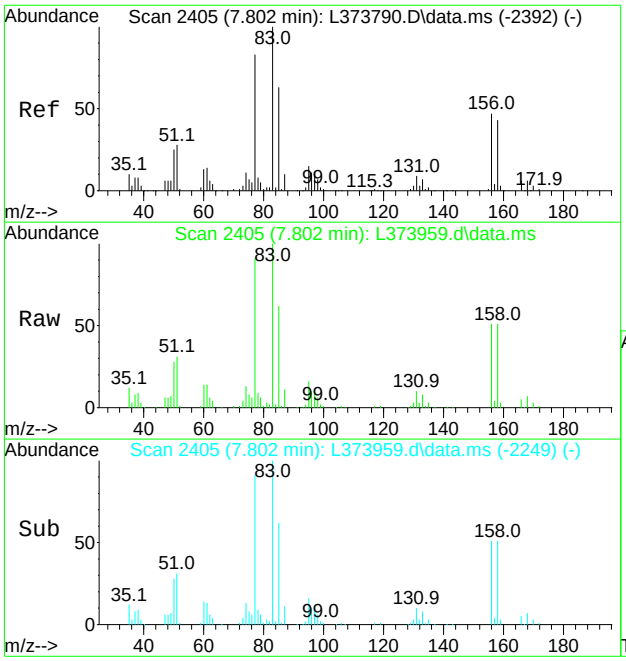


#98
bromobenzene
Concen: 46.3241 ug/L
RT: 7.808 min Scan# 2407
Delta R.T. -0.004 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion:156 Resp: 107219

Ion	Ratio	Lower	Upper
156	100		
77	163.6	137.0	197.0
158	97.4	65.5	125.5

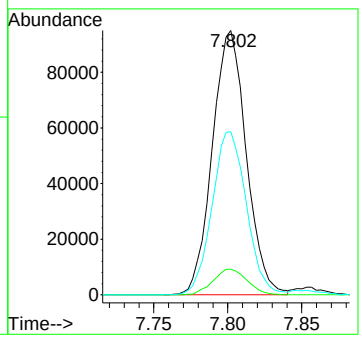


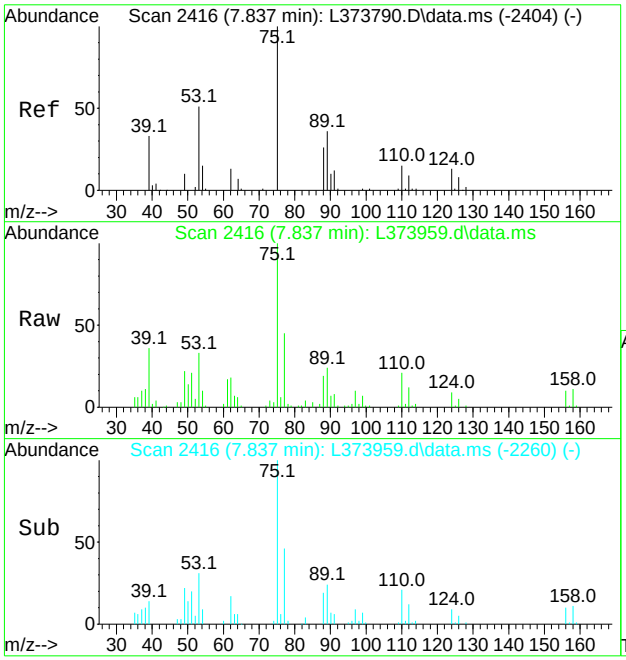


#99
1,1,2,2-tetrachloroethane
Concen: 43.1277 ug/L
RT: 7.802 min Scan# 2405
Delta R.T. 0.000 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 83 Resp: 151220

Ion	Ratio	Lower	Upper
83	100		
131	9.7	0.0	38.9
85	61.7	33.3	93.3

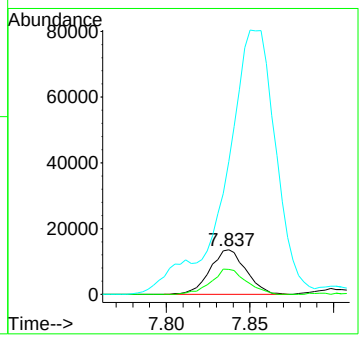


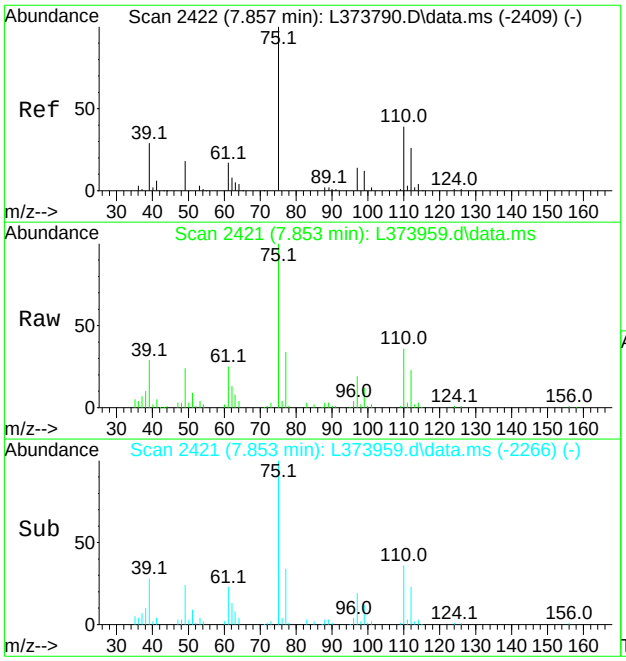


#100
trans-1,4-dichloro-2-butene
Concen: 28.8908 ug/L
RT: 7.837 min Scan# 2416
Delta R.T. 0.000 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 53 Resp: 20306

Ion	Ratio	Lower	Upper
53	100		
88	56.0	21.0	81.0
75	258.8	165.8	225.8#

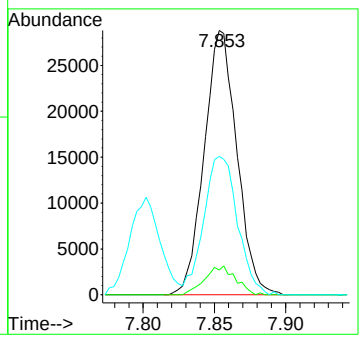


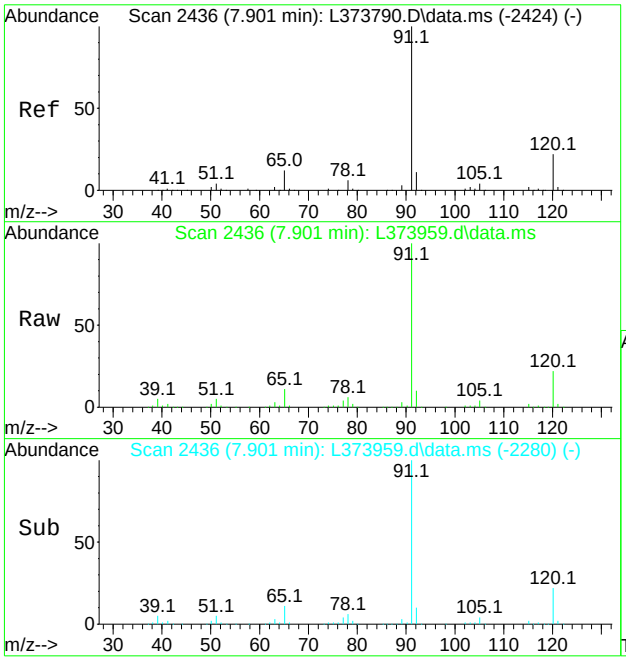


#101
1,2,3-trichloropropane
Concen: 43.7906 ug/L
RT: 7.853 min Scan# 2421
Delta R.T. -0.004 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion:110 Resp: 45884

Ion	Ratio	Lower	Upper
110	100		
111	9.4	0.0	38.4
97	52.3	22.5	82.5

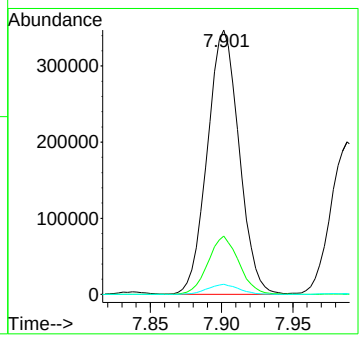


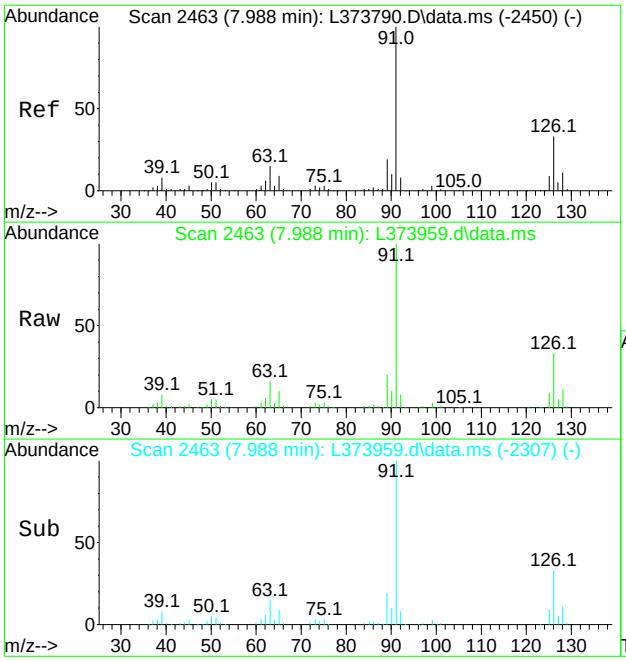


#102
n-propylbenzene
Concen: 48.2839 ug/L
RT: 7.901 min Scan# 2436
Delta R.T. 0.000 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 91 Resp: 540114

Ion	Ratio	Lower	Upper
91	100		
120	22.1	0.0	51.5
105	3.8	0.0	33.7

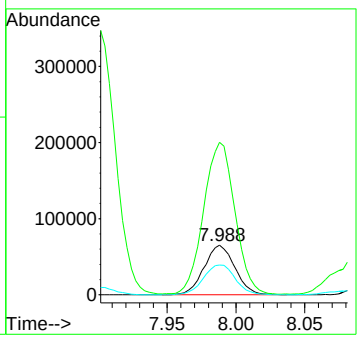


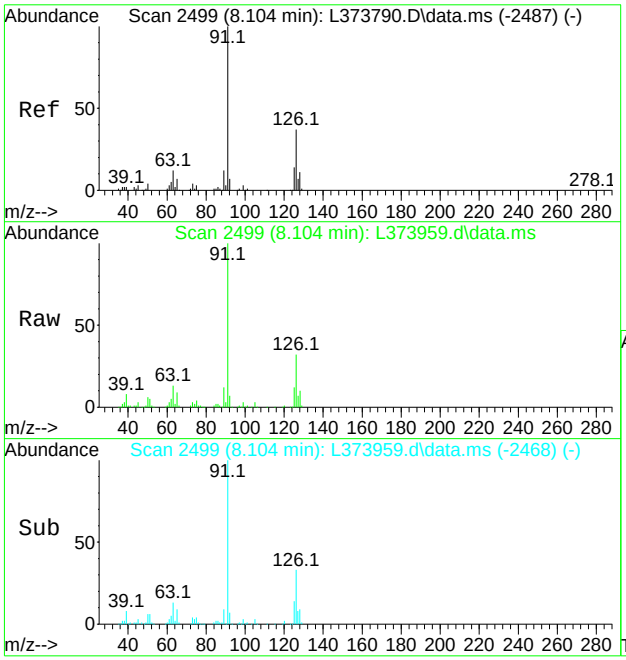


#103
2-chlorotoluene
Concen: 46.6895 ug/L
RT: 7.988 min Scan# 2463
Delta R.T. 0.000 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion:126 Resp: 101352

Ion	Ratio	Lower	Upper
126	100		
91	305.0	276.4	336.4
89	59.8	28.8	88.8

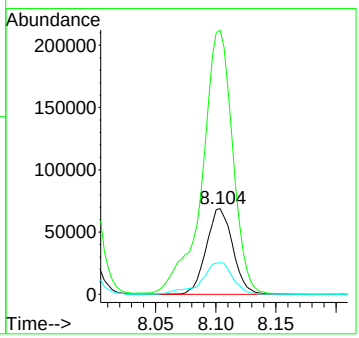


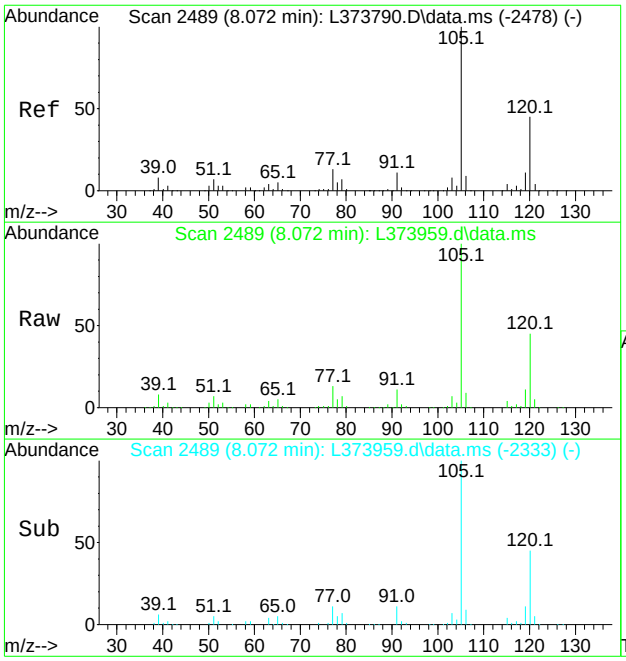


#104
4-chlorotoluene
Concen: 45.8282 ug/L
RT: 8.104 min Scan# 2499
Delta R.T. -0.000 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion:126 Resp: 105516

Ion	Ratio	Lower	Upper
126	100		
91	307.7	265.5	325.5
89	37.1	5.5	65.5

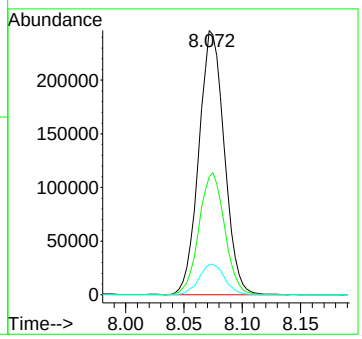


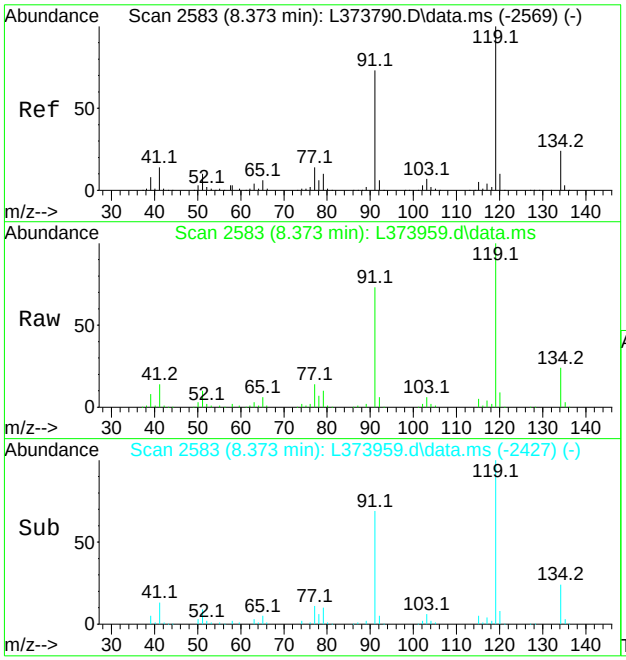


#105
1,3,5-trimethylbenzene
Concen: 48.1276 ug/L
RT: 8.072 min Scan# 2489
Delta R.T. -0.000 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion:105 Resp: 374739

Ion	Ratio	Lower	Upper
105	100		
120	44.6	14.9	74.9
119	11.4	0.0	40.8

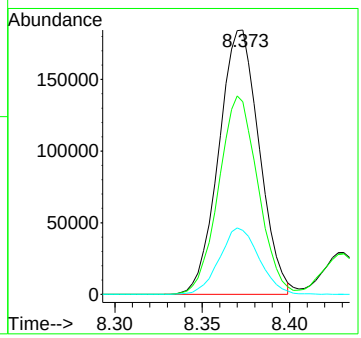


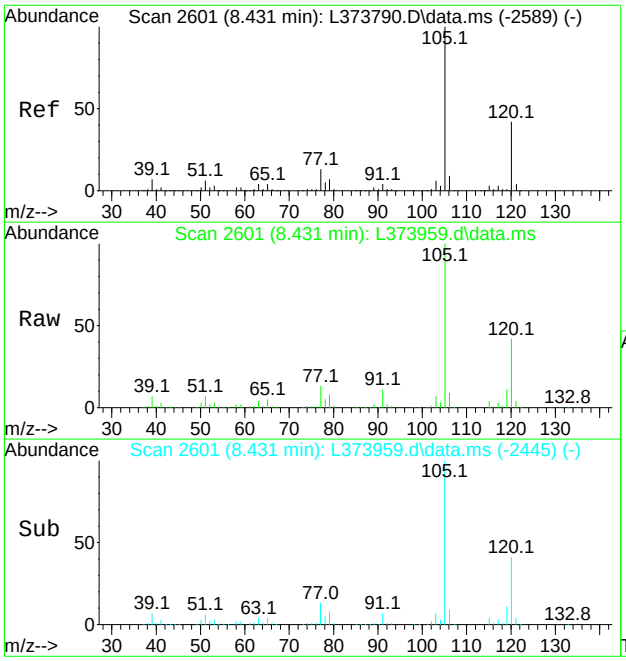


#106
tert-butylbenzene
Concen: 48.3108 ug/L
RT: 8.373 min Scan# 2583
Delta R.T. 0.000 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion:119 Resp: 296726

Ion	Ratio	Lower	Upper
119	100		
91	72.8	42.9	102.9
134	24.2	0.0	54.4

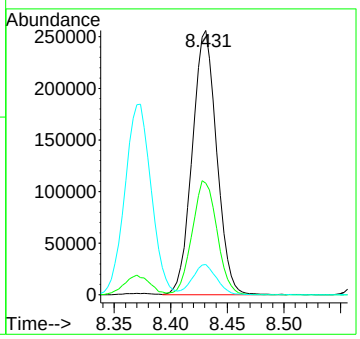


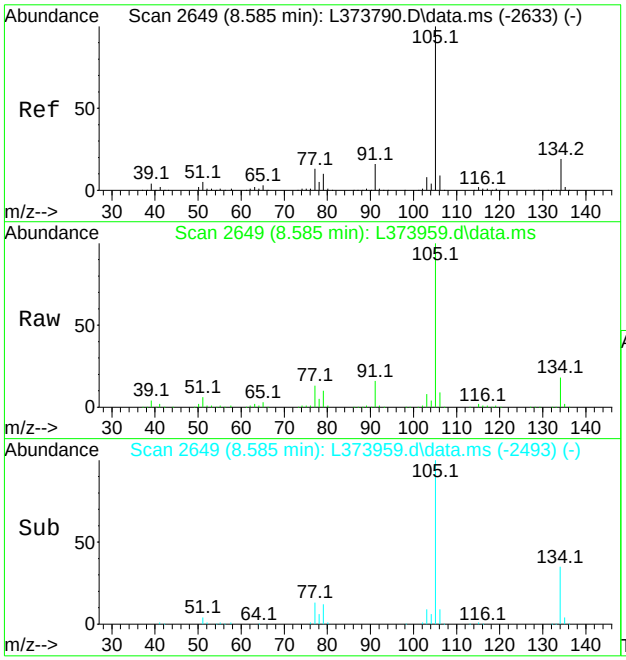


#107
1,2,4-trimethylbenzene
Concen: 48.8308 ug/L
RT: 8.431 min Scan# 2601
Delta R.T. -0.000 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion:105 Resp: 384071

Ion	Ratio	Lower	Upper
105	100		
120	42.2	13.1	73.1
119	11.4	0.0	41.9

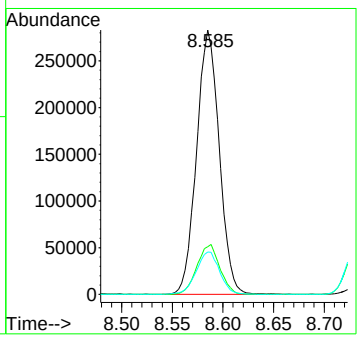


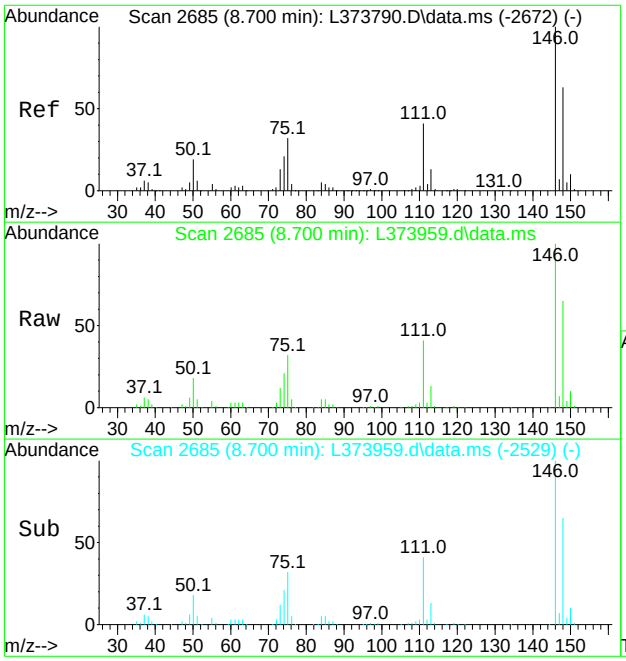


#108
sec-butylbenzene
Concen: 49.4658 ug/L
RT: 8.585 min Scan# 2649
Delta R.T. -0.000 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion:105 Resp: 441059

Ion	Ratio	Lower	Upper
105	100		
134	18.0	0.0	48.8
91	16.1	0.0	45.9

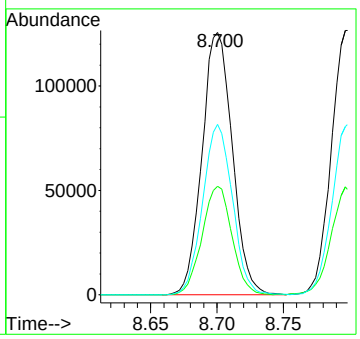


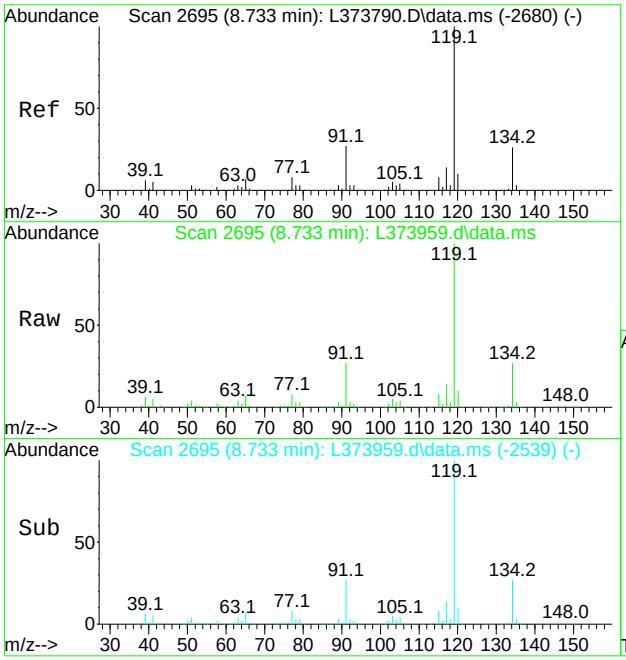


#109
1,3-dichlorobenzene
Concen: 46.6875 ug/L
RT: 8.700 min Scan# 2685
Delta R.T. 0.000 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion:146 Resp: 199840

Ion	Ratio	Lower	Upper
146	100		
111	41.4	11.0	71.0
148	65.0	33.0	93.0

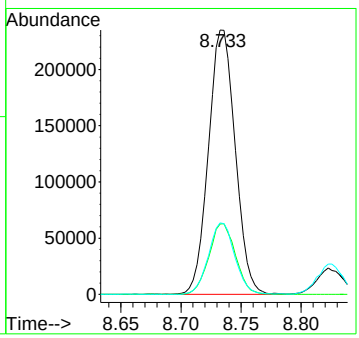


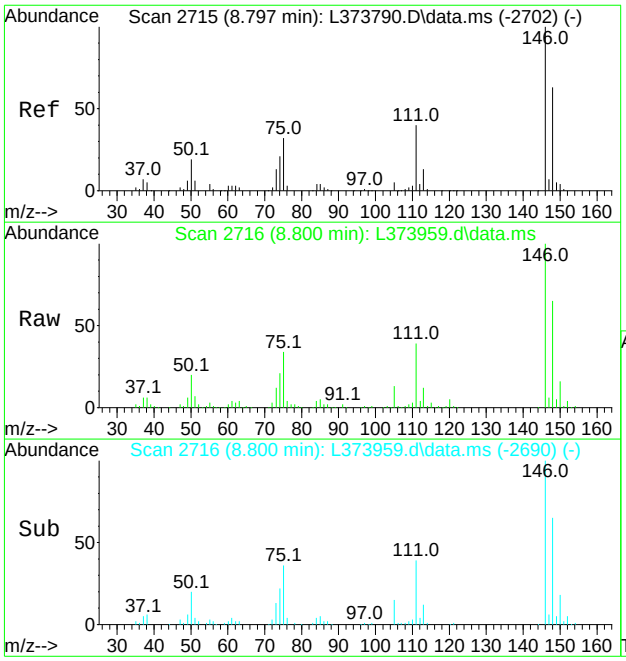


#110
p-isopropyltoluene
Concen: 49.4707 ug/L
RT: 8.733 min Scan# 2695
Delta R.T. -0.000 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion:119 Resp: 364671

Ion	Ratio	Lower	Upper
119	100		
134	26.6	0.0	56.5
91	27.0	0.0	56.9

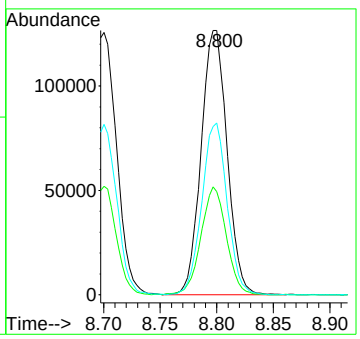


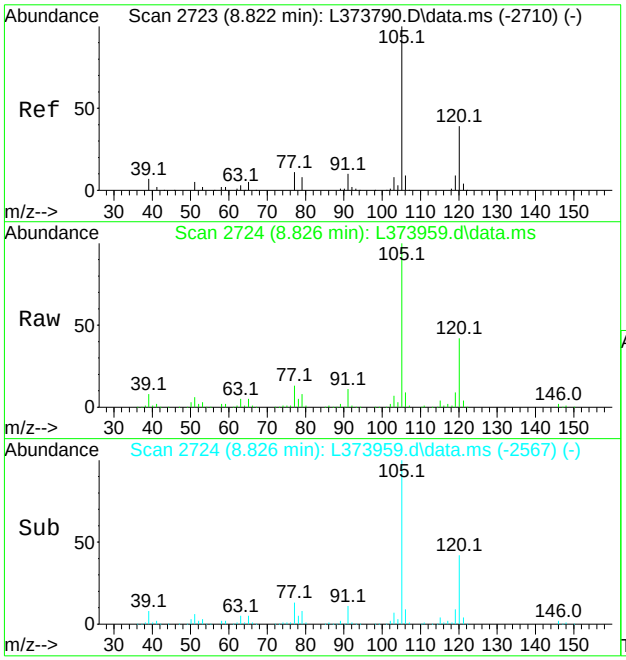


#111
1,4-dichlorobenzene
Concen: 45.6676 ug/L
RT: 8.800 min Scan# 2716
Delta R.T. 0.003 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion:146 Resp: 201936

Ion	Ratio	Lower	Upper
146	100		
111	39.1	9.7	69.7
148	64.9	33.0	93.0

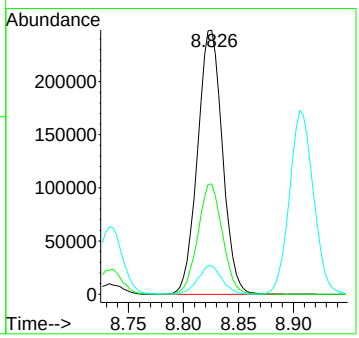


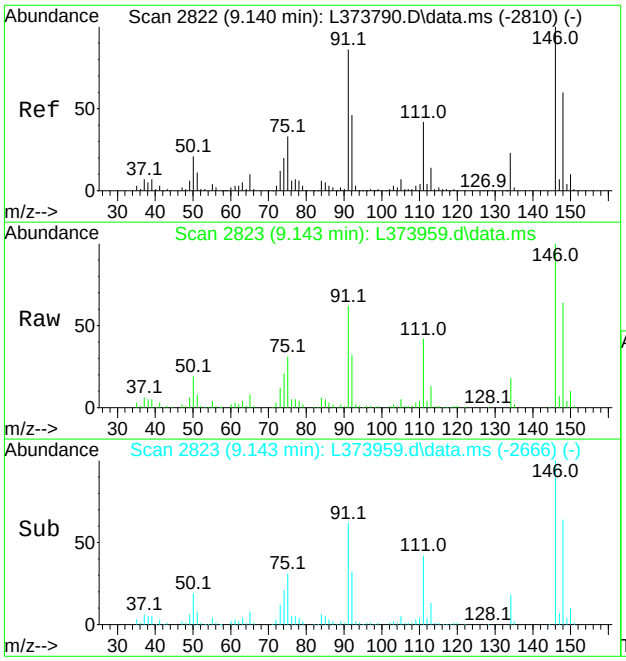


#112
1,2,3-trimethylbenzene
Concen: 46.9938 ug/L
RT: 8.826 min Scan# 2724
Delta R.T. 0.004 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion:105 Resp: 390479

Ion	Ratio	Lower	Upper
105	100		
120	41.8	8.8	68.8
91	10.6	0.0	40.2

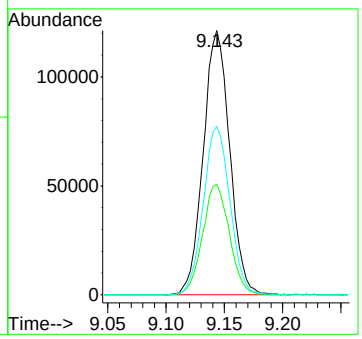


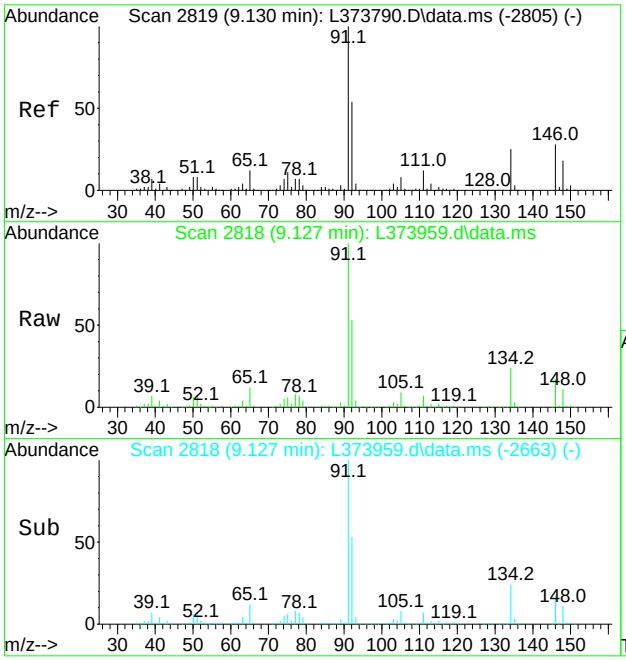


#113
1,2-dichlorobenzene
Concen: 46.6351 ug/L
RT: 9.143 min Scan# 2823
Delta R.T. 0.003 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion:146 Resp: 191755

Ion	Ratio	Lower	Upper
146	100		
111	41.9	12.1	72.1
148	63.8	30.4	90.4

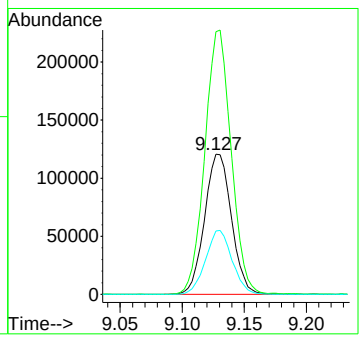


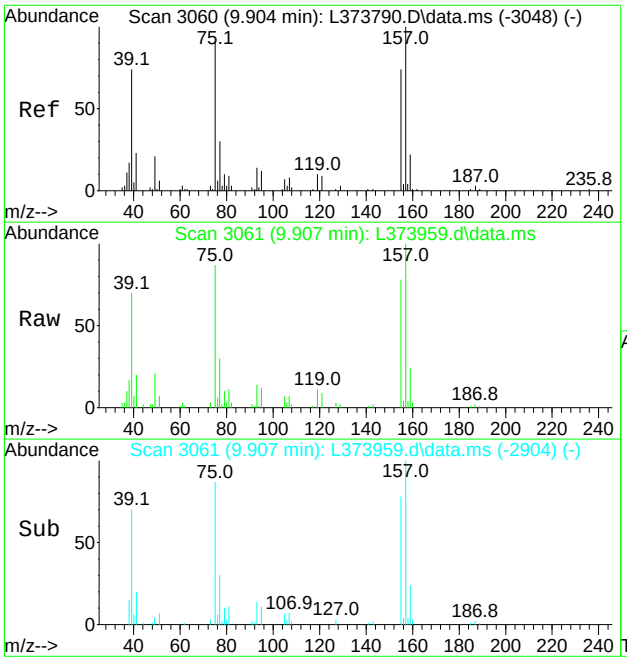


#114
n-butylbenzene
Concen: 49.4697 ug/L
RT: 9.127 min Scan# 2818
Delta R.T. -0.003 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 92 Resp: 181672

Ion	Ratio	Lower	Upper
92	100		
91	187.6	155.4	215.4
134	45.2	15.6	75.6

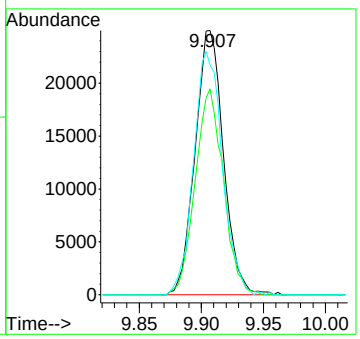


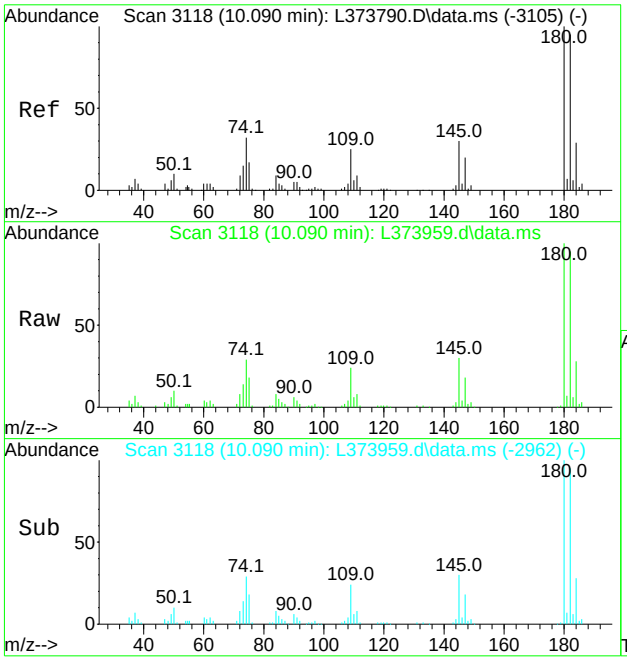


#115
1,2-dibromo-3-chloropropane
Concen: 42.0668 ug/L
RT: 9.907 min Scan# 3061
Delta R.T. 0.003 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion:157 Resp: 39730

Ion	Ratio	Lower	Upper
157	100		
155	77.9	44.1	104.1
75	86.9	60.9	120.9

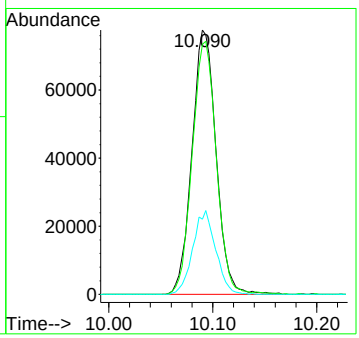


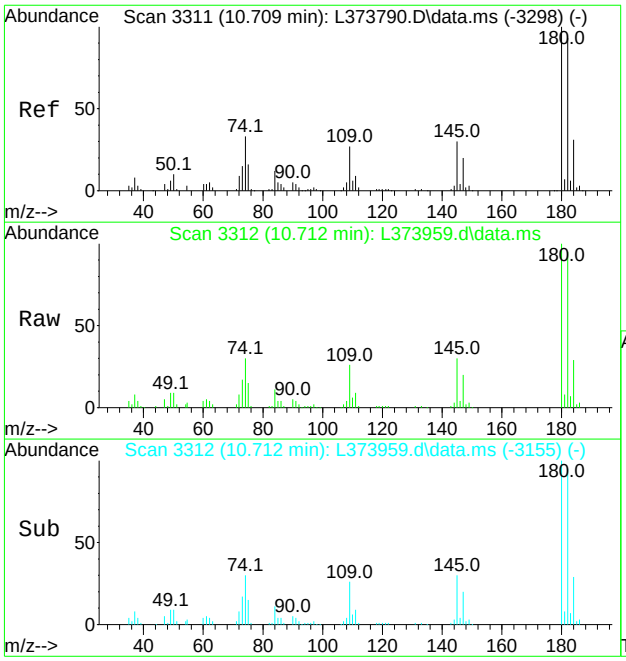


#116
1,3,5-trichlorobenzene
Concen: 47.3763 ug/L
RT: 10.090 min Scan# 3118
Delta R.T. -0.000 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion:180 Resp: 125369

Ion	Ratio	Lower	Upper
180	100		
182	94.6	65.0	125.0
184	28.4	0.0	59.4

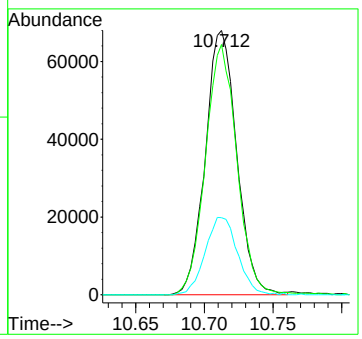


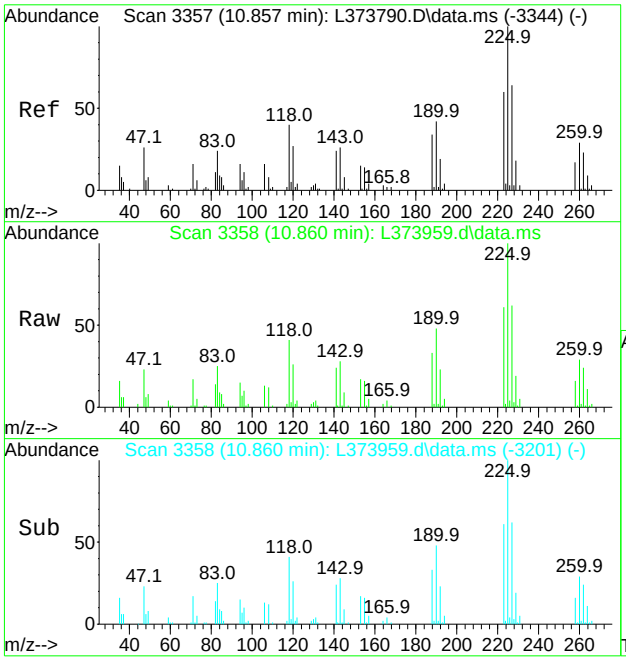


#117
1,2,4-trichlorobenzene
Concen: 46.2784 ug/L
RT: 10.712 min Scan# 3312
Delta R.T. 0.003 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion:180 Resp: 107933

Ion	Ratio	Lower	Upper
180	100		
182	94.6	63.1	123.1
184	29.1	0.8	60.8

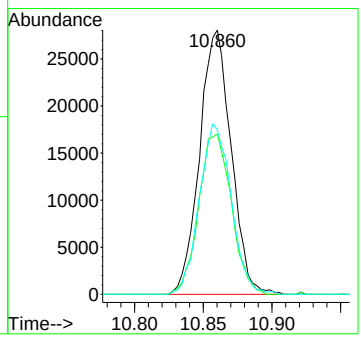


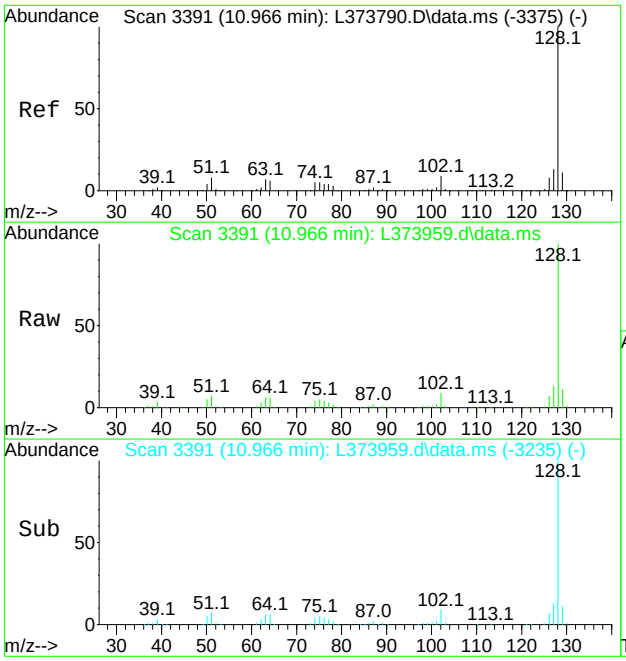


#118
hexachlorobutadiene
Concen: 51.2021 ug/L
RT: 10.860 min Scan# 3358
Delta R.T. 0.003 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion:225 Resp: 44875

Ion	Ratio	Lower	Upper
225	100		
223	60.6	30.0	90.0
227	62.3	33.8	93.8

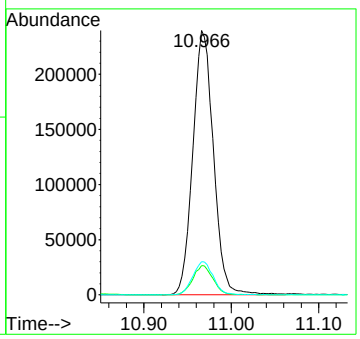


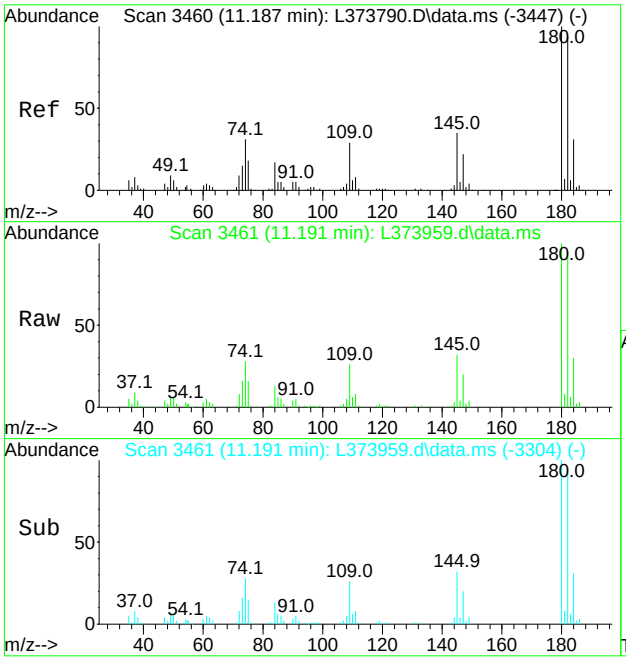


#119
naphthalene
Concen: 45.5384 ug/L
RT: 10.966 min Scan# 3391
Delta R.T. -0.000 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion:128 Resp: 393742

Ion	Ratio	Lower	Upper
128	100		
129	11.0	0.0	41.1
127	12.5	0.0	42.9

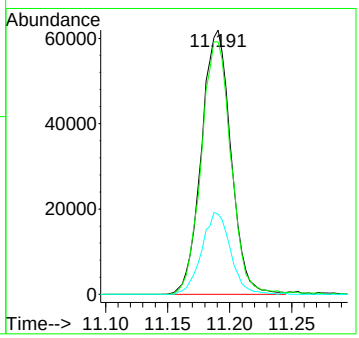


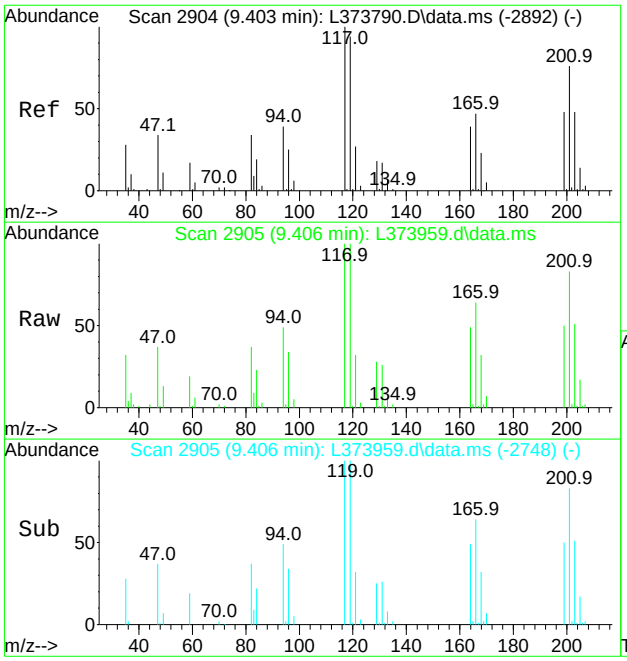


#120
1,2,3-trichlorobenzene
Concen: 46.0606 ug/L
RT: 11.191 min Scan# 3461
Delta R.T. 0.004 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion:180 Resp: 102369

Ion	Ratio	Lower	Upper
180	100		
182	95.5	63.9	123.9
184	30.4	1.2	61.2

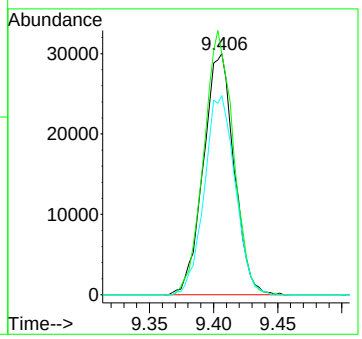


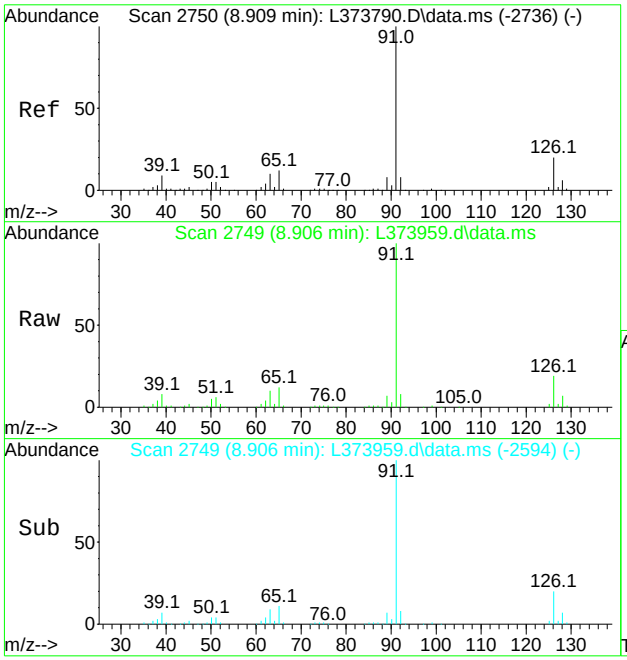


#121
hexachloroethane
Concen: 44.4589 ug/L
RT: 9.406 min Scan# 2905
Delta R.T. 0.003 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion:119 Resp: 49985

Ion	Ratio	Lower	Upper
119	100		
117	100.0	76.2	136.2
201	82.6	51.2	111.2

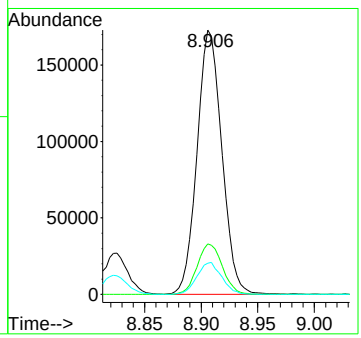


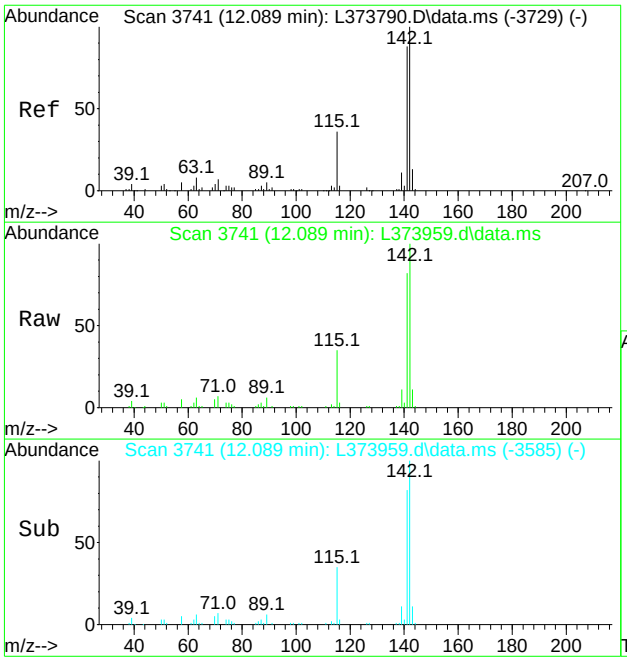


#122
benzyl chloride
Concen: 38.4785 ug/L
RT: 8.906 min Scan# 2749
Delta R.T. -0.003 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion: 91 Resp: 263231

Ion	Ratio	Lower	Upper
91	100		
126	19.1	0.0	49.8
65	11.8	0.0	41.8

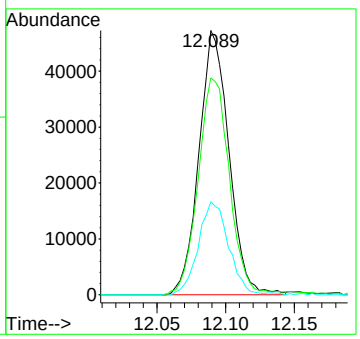




#123
2-methylnaphthalene
Concen: 21.4570 ug/L
RT: 12.089 min Scan# 3741
Delta R.T. 0.000 min
Lab File: L373959.d
Acq: 23 Oct 2025 2:31 am

Tgt Ion:142 Resp: 71576

Ion	Ratio	Lower	Upper
142	100		
141	82.1	68.0	108.0
115	35.2	15.9	55.9



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\michaellab\10-23-2025\VL11478\
Data File : L373960.d
Acq On : 23 Oct 2025 2:56 am
Operator : BridgetK
Sample : je21501-1msd Inst : GCMSL
Misc : MS98380,VL11478,5,,,,1
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Oct 23 08:26:21 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 13:39:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	2.607	65	220772	500.00	ug/L	0.00
5) pentafluorobenzene	3.746	168	201730	50.00	ug/L	0.00
51) 1,4-difluorobenzene	4.285	114	338427	50.00	ug/L	0.00
72) chlorobenzene-d5	6.608	117	261022	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	8.774	152	130175	50.00	ug/L	0.00
124) pentafluorobenzene(a)	3.746	168	201730	50.00	ug/L	0.00
131) 1,4-dichlorobenzene-d4(a)	8.774	152	130175	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	3.749	113	104305	49.53	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.06%			
52) 1,2-dichloroethane-d4 (s)	3.987	65	121634	49.41	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 98.82%			
73) toluene-d8 (s)	5.389	98	382604	50.54	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.08%			
97) 4-bromofluorobenzene (s)	7.677	95	135145	48.38	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 96.76%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.702	88	72718	1193.9675	ug/L	97
3) ethanol	2.084	45	230068	4945.0943	ug/L	98
4) tertiary butyl alcohol	2.658	59	162290	237.7365	ug/L	100
6) chlorodifluoromethane	1.365	51	114371	38.6726	ug/L	98
7) dichlorodifluoromethane	1.352	85	132502	44.3458	ug/L	97
8) chloromethane	1.484	50	101747	35.4803	ug/L	98
9) vinyl chloride	1.554	62	167590	59.0542	ug/L	99
10) 1,3-butadiene	1.580	54	110922	42.2480	ug/L	98
11) bromomethane	1.766	96	30577	43.3298	ug/L	99
12) chloroethane	1.837	64	48459	40.7056	ug/L	98
13) trichlorofluoromethane	1.997	101	188693	52.2903	ug/L	99
14) ethyl ether	2.164	74	55958	46.5588	ug/L	83
15) acrolein	2.251	56	23145	44.9432	ug/L	99
16) freon 113	2.321	151	80744	53.1016	ug/L	93
17) 1,1-dichloroethene	2.321	96	205079	107.9187	ug/L	100
18) acetone	2.334	58	66285	177.2542	ug/L	98
19) acetonitrile	2.510	40	123022	419.8284	ug/L	98
20) iodomethane	2.421	142	61324	41.0015	ug/L	98
21) iso-butyl alcohol	3.894	43	106972	420.7275	ug/L	96
22) carbon disulfide	2.472	76	260873	43.6446	ug/L	99
23) methylene chloride	2.623	84	152501	65.0243	ug/L	96
24) methyl acetate	2.523	74	26498	44.8548	ug/L #	74
25) methyl tert butyl ether	2.780	73	316112	50.2844	ug/L	98
26) trans-1,2-dichloroethene	2.790	96	111243	51.4841	ug/L	99
27) hexane	2.960	57	128071	47.9824	ug/L	98
28) di-isopropyl ether	3.066	45	304822	46.3226	ug/L	97
29) ethyl tert-butyl ether	3.297	59	330247	48.8600	ug/L	97
30) 2-butanone	3.409	72	90055	191.4401	ug/L	98
31) 1,1-dichloroethane	3.066	63	243098	59.5602	ug/L	98
32) chloroprene	3.114	53	182469	51.9627	ug/L	98
33) acrylonitrile	2.761	53	60580	53.7777	ug/L	92
34) vinyl acetate	3.046	86	24718	46.2813	ug/L #	91
35) ethyl acetate	3.422	45	24836	42.6771	ug/L #	78
36) 2,2-dichloropropane	3.435	77	168790	45.9000	ug/L	99
37) cis-1,2-dichloroethene	3.428	96	151858	63.9643	ug/L	91
38) propionitrile	3.454	54	273806	427.2372	ug/L	94
39) methyl acrylate	3.463	85	24817	49.5321	ug/L #	92
40) bromochloromethate	3.585	128	51949	49.6884	ug/L	91

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\michaellab\10-23-2025\VL11478\
Data File : L373960.d
Acq On : 23 Oct 2025 2:56 am
Operator : BridgetK
Sample : je21501-1msd Inst : GCMSL
Misc : MS98380,VL11478,5,,,,1
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Oct 23 08:26:21 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 13:39:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) tetrahydrofuran	3.598	72	24818	42.3372	ug/L		87
42) chloroform	3.643	83	1773743	391.6082	ug/L		96
44) methacrylonitrile	3.553	67	63323	46.3301	ug/L		94
45) 1,1,1-trichloroethane	3.768	97	189367	52.8002	ug/L		98
46) cyclohexane	3.823	84	144611	48.5237	ug/L		98
47) 1,1-dichloropropene	3.871	75	161965	55.6865	ug/L		97
48) carbon tetrachloride	3.877	117	167519	57.3012	ug/L		97
49) isopropyl acetate	3.999	87	29997	46.2338	ug/L	#	82
50) tert amyl alcohol	3.980	55	48436	190.6953	ug/L		92
53) tert-amyl methyl ether	4.080	73	315769	47.9368	ug/L		100
54) 2,2,4-trimethylpentane	4.076	57	255364	52.0889	ug/L		98
55) n-butyl alcohol	4.359	56	384073	1983.8583	ug/L		98
56) benzene	4.012	78	437772	49.7129	ug/L		98
57) heptane	4.192	57	50971	49.0440	ug/L		97
58) 1,2-dichloroethane	4.038	62	512524	152.8975	ug/L		99
59) trichloroethene	4.465	95	1095824	494.2654	ug/L		99
60) ethyl acrylate	4.497	55	176394	44.4554	ug/L		95
61) 2-nitropropane	5.001	41	49687	42.2023	ug/L		99
63) methyl methacrylate	4.670	100	35569	48.3965	ug/L		98
64) 1,2-dichloropropane	4.654	63	114924	51.1273	ug/L		97
65) methylcyclohexane	4.641	83	170709	56.1682	ug/L		97
66) dibromomethane	4.721	93	76798	49.5905	ug/L		98
67) bromodichloromethane	4.843	83	158608	49.4439	ug/L		99
68) cis-1,3-dichloropropene	5.174	75	171801	47.7773	ug/L		97
69) epichlorohydrin	5.087	57	56616	123.5110	ug/L		95
70) 4-methyl-2-pentanone	5.277	58	242371	171.5095	ug/L		99
71) 3-methyl-1-butanol	5.312	70	147479	815.2966	ug/L		97
74) toluene	5.443	92	264268	49.3240	ug/L		100
75) trans-1,3-dichloropropene	5.623	75	162669	48.6953	ug/L		100
76) ethyl methacrylate	5.652	69	149282	44.2281	ug/L		99
77) 1,1,2-trichloroethane	5.784	83	178096	100.2585	ug/L		94
78) 2-hexanone	5.954	58	258691	169.9044	ug/L		100
79) tetrachloroethene	5.867	166	196181	91.1592	ug/L		99
80) 1,3-dichloropropane	5.925	76	175788	51.3482	ug/L		96
81) butyl acetate	6.043	56	80433	40.0902	ug/L		98
82) dibromochloromethane	6.104	129	109234	47.6770	ug/L		97
83) 1,2-dibromoethane	6.214	107	106804	49.4873	ug/L		100
84) n-butyl ether	6.708	57	426501	47.2893	ug/L		98
85) chlorobenzene	6.634	112	273486	48.6153	ug/L		99
86) 1,1,1,2-tetrachloroethane	6.705	131	98106	51.5349	ug/L		97
87) ethylbenzene	6.714	91	496566	50.5937	ug/L		98
88) m,p-xylene	6.830	106	379360	100.3629	ug/L		97
89) o-xylene	7.176	106	182939	49.4966	ug/L		98
90) butyl acrylate	7.122	55	235772	43.6108	ug/L		99
91) styrene	7.195	104	274777	44.3387	ug/L		98
92) bromoform	7.362	173	73284	45.0074	ug/L		99
93) n-amyl acetate	7.327	70	87464	43.2299	ug/L		97
94) isopropylbenzene	7.510	105	456517	51.1748	ug/L		99
95) cis-1,4-dichloro-2-butene	7.571	88	21837	28.7547	ug/L		92
98) bromobenzene	7.808	156	111567	48.2937	ug/L		96
99) 1,1,2,2-tetrachloroethane	7.799	83	150020	42.8663	ug/L		99
100) trans-1,4-dichloro-2-b...	7.834	53	19543	27.8578	ug/L		93
101) 1,2,3-trichloropropane	7.856	110	46030	44.0130	ug/L		97
102) n-propylbenzene	7.901	91	557427	49.9257	ug/L		99
103) 2-chlorotoluene	7.988	126	106072	48.9562	ug/L		97
104) 4-chlorotoluene	8.104	126	109095	47.4722	ug/L		97
105) 1,3,5-trimethylbenzene	8.072	105	383193	49.3063	ug/L		98
106) tert-butylbenzene	8.370	119	303453	49.4994	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\michaellab\10-23-2025\VL11478\
Data File : L373960.d
Acq On : 23 Oct 2025 2:56 am
Operator : BridgetK
Sample : je21501-1msd Inst : GCMSL
Misc : MS98380,VL11478,5,,,,1
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Oct 23 08:26:21 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 13:39:16 2025
Response via : Initial Calibration

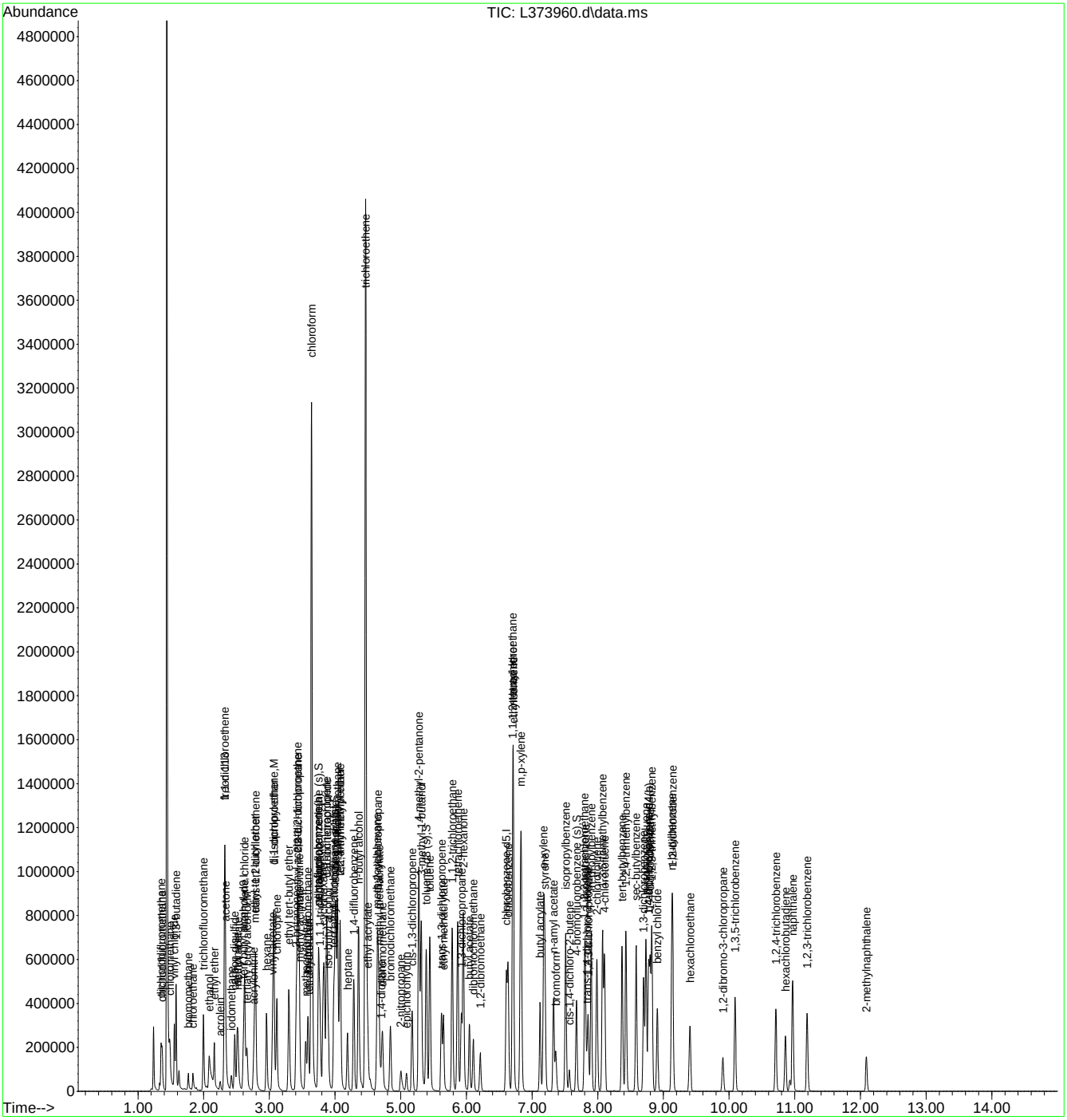
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
107) 1,2,4-trimethylbenzene	8.428	105	395600	50.3917	ug/L	99
108) sec-butylbenzene	8.585	105	456812	51.3293	ug/L	99
109) 1,3-dichlorobenzene	8.697	146	202905	47.4931	ug/L	100
110) p-isopropyltoluene	8.733	119	374090	50.8443	ug/L	99
111) 1,4-dichlorobenzene	8.797	146	208603	47.2645	ug/L	99
112) 1,2,3-trimethylbenzene	8.822	105	401297	48.3870	ug/L	98
113) 1,2-dichlorobenzene	9.140	146	196614	47.9071	ug/L	97
114) n-butylbenzene	9.127	92	186437	50.8631	ug/L	96
115) 1,2-dibromo-3-chloropr...	9.907	157	39847	42.2705	ug/L	97
116) 1,3,5-trichlorobenzene	10.090	180	128969	48.8289	ug/L	98
117) 1,2,4-trichlorobenzene	10.712	180	112499	48.3273	ug/L	96
118) hexachlorobutadiene	10.860	225	46869	53.5783	ug/L	97
119) naphthalene	10.969	128	402393	46.6269	ug/L	99
120) 1,2,3-trichlorobenzene	11.187	180	105086	47.3725	ug/L	96
121) hexachloroethane	9.406	119	50993	45.4412	ug/L	94
122) benzyl chloride	8.906	91	261295	38.2676	ug/L	99
123) 2-methylnaphthalene	12.092	142	77156	23.1735	ug/L	97

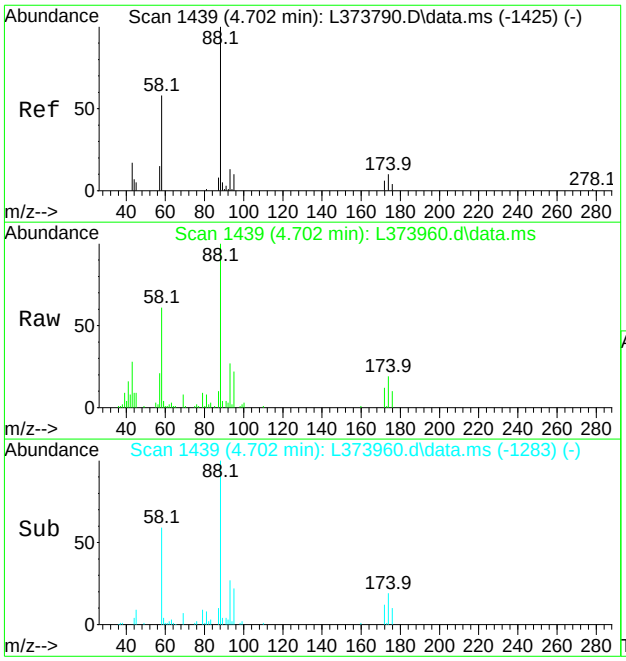
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\michaellab\10-23-2025\VL11478\
Data File : L373960.d
Acq On : 23 Oct 2025 2:56 am
Operator : BridgetK
Sample : je21501-1msd Inst : GCMSL
Misc : MS98380,VL11478,5,,,,1
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Oct 23 08:26:21 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 13:39:16 2025
Response via : Initial Calibration

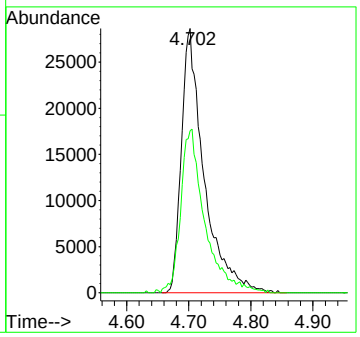


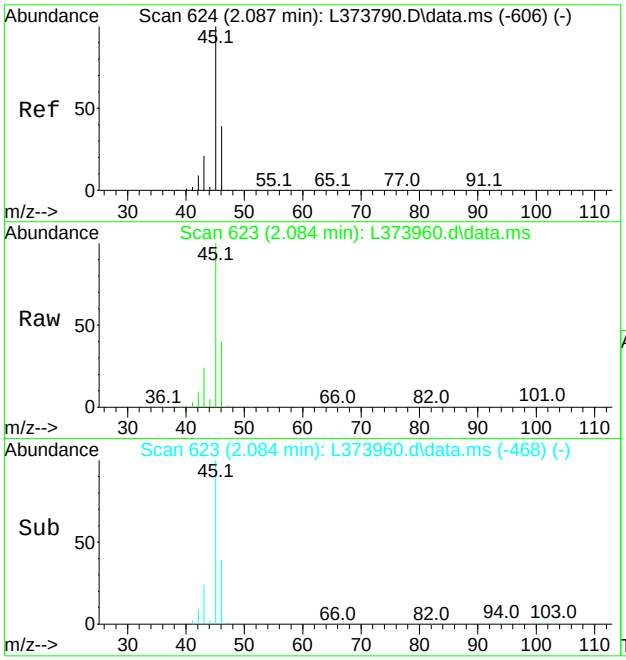


#2
1,4-dioxane
Concen: 1193.9675 ug/L
RT: 4.702 min Scan# 1439
Delta R.T. 0.000 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 88 Resp: 72718

Ion	Ratio	Lower	Upper
88	100		
58	61.2	29.1	89.1

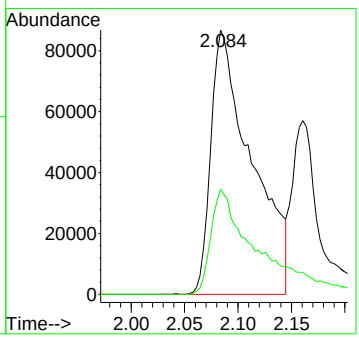


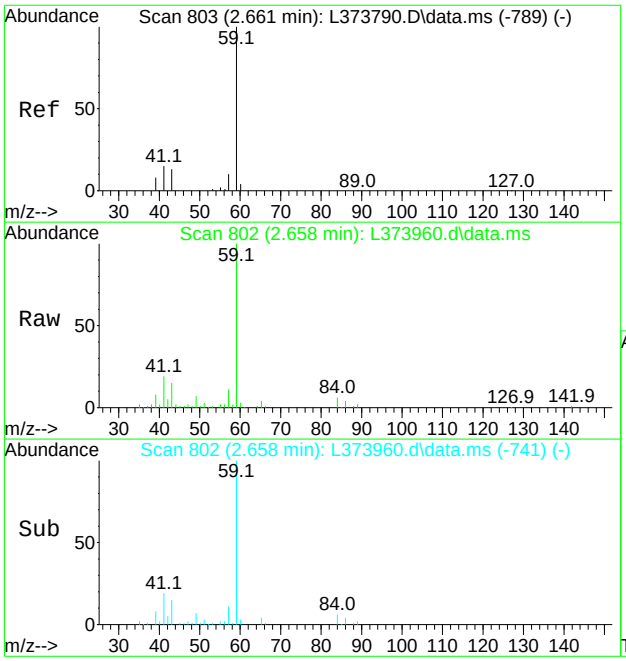


#3
ethanol
Concen: 4945.0943 ug/L
RT: 2.084 min Scan# 623
Delta R.T. -0.003 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 45 Resp: 230068

Ion	Ratio	Lower	Upper
45	100		
46	39.7	18.6	58.6

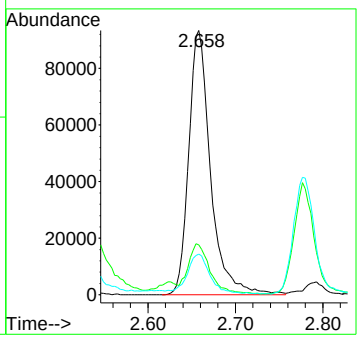


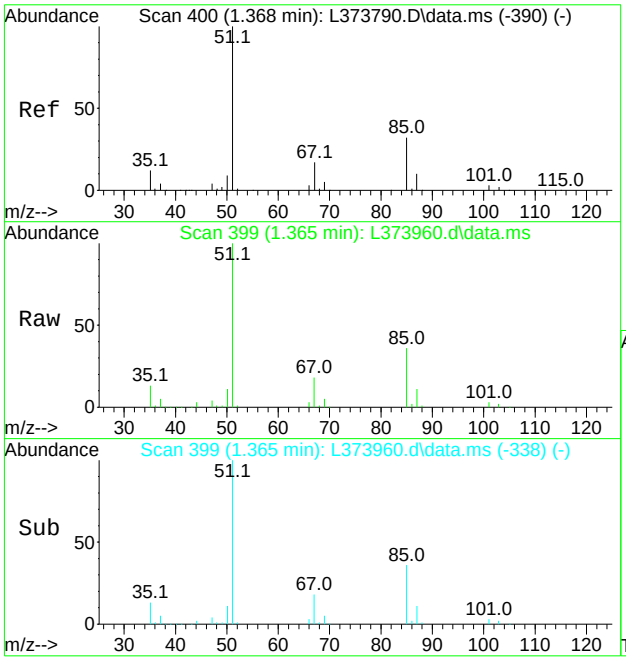


#4
tertiary butyl alcohol
Concen: 237.7365 ug/L
RT: 2.658 min Scan# 802
Delta R.T. -0.003 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 59 Resp: 162290

Ion	Ratio	Lower	Upper
59	100		
41	15.3	0.0	45.3
43	13.9	0.0	43.5

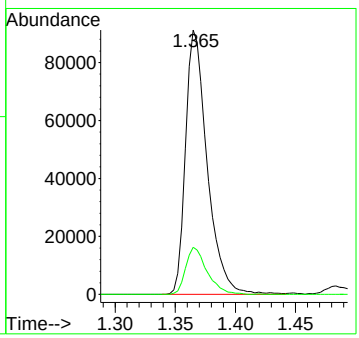


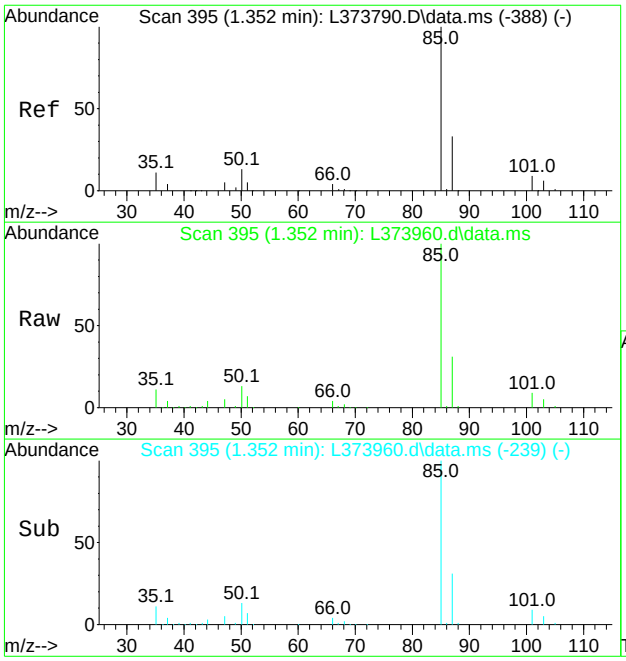


#6
chlorodifluoromethane
Concen: 38.6726 ug/L
RT: 1.365 min Scan# 399
Delta R.T. -0.003 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 51 Resp: 114371

Ion	Ratio	Lower	Upper
51	100		
67	17.8	0.0	37.0

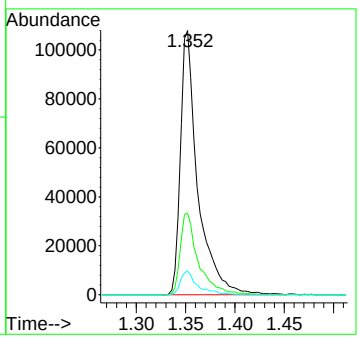


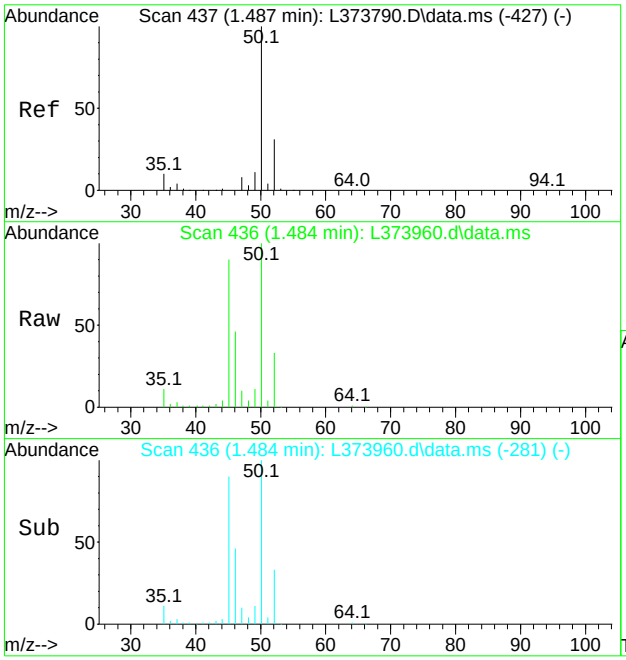


#7
dichlorodifluoromethane
Concen: 44.3458 ug/L
RT: 1.352 min Scan# 395
Delta R.T. 0.000 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 85 Resp: 132502

Ion	Ratio	Lower	Upper
85	100		
87	30.9	2.8	62.8
101	9.0	0.0	38.9

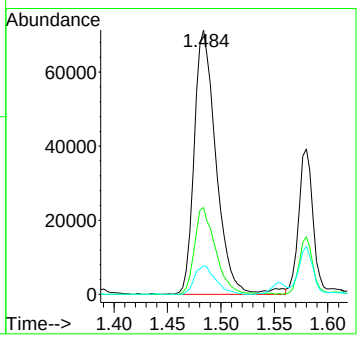


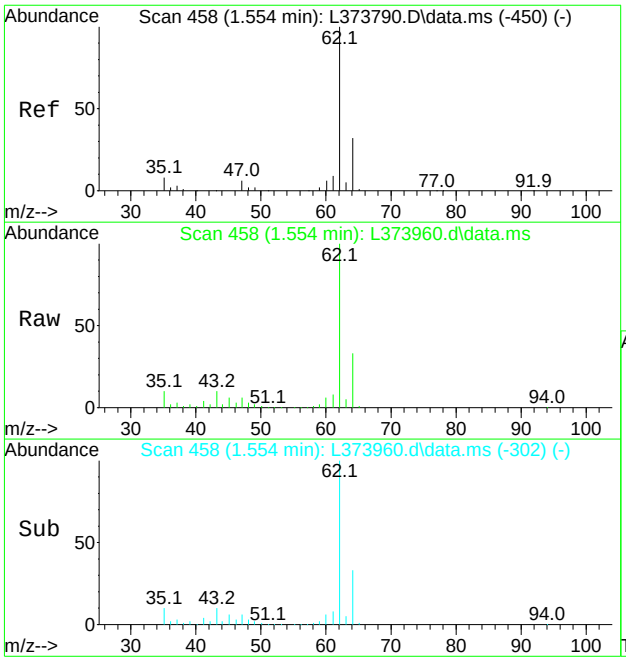


#8
chloromethane
Concen: 35.4803 ug/L
RT: 1.484 min Scan# 436
Delta R.T. -0.003 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 50 Resp: 101747

Ion	Ratio	Lower	Upper
50	100		
52	32.9	1.5	61.5
49	10.8	0.0	41.1

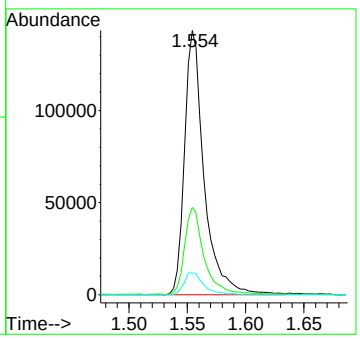


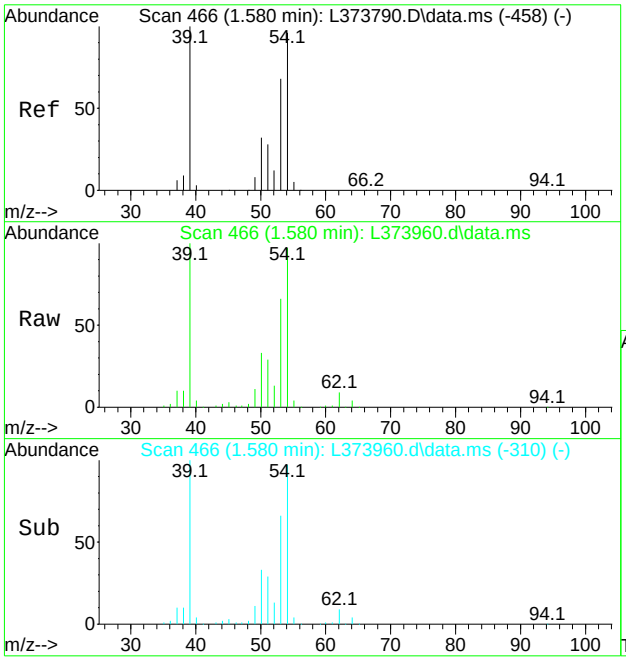


#9
vinyl chloride
Concen: 59.0542 ug/L
RT: 1.554 min Scan# 458
Delta R.T. 0.000 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 62 Resp: 167590

Ion	Ratio	Lower	Upper
62	100		
64	32.9	2.2	62.2
61	8.3	0.0	38.5

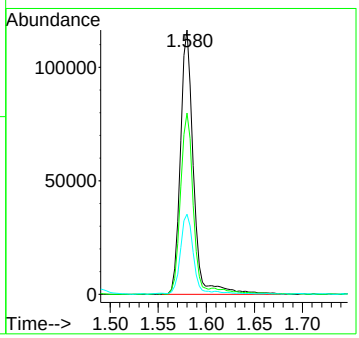


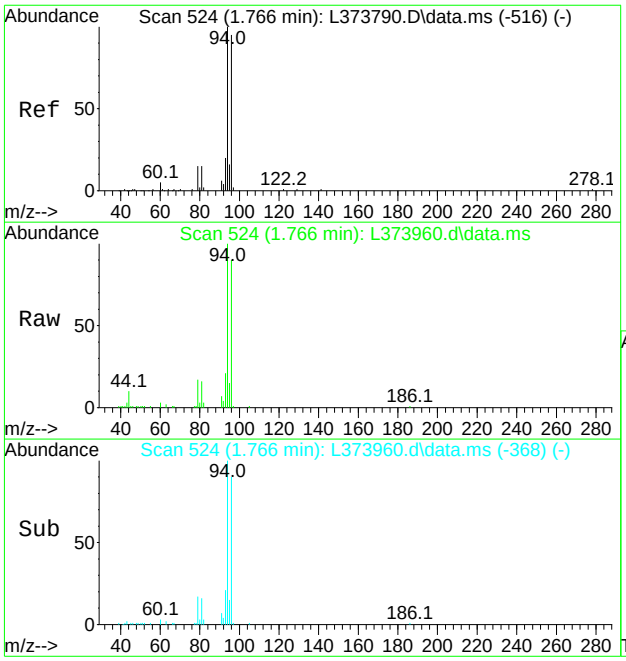


#10
1,3-butadiene
Concen: 42.2480 ug/L
RT: 1.580 min Scan# 466
Delta R.T. -0.000 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 54 Resp: 110922

Ion	Ratio	Lower	Upper
54	100		
53	68.2	40.7	100.7
51	30.2	0.0	59.5

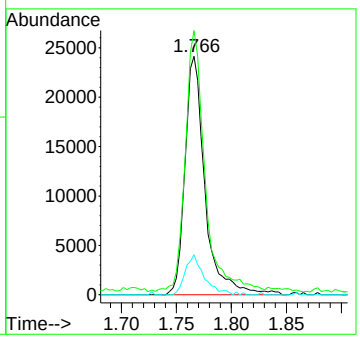


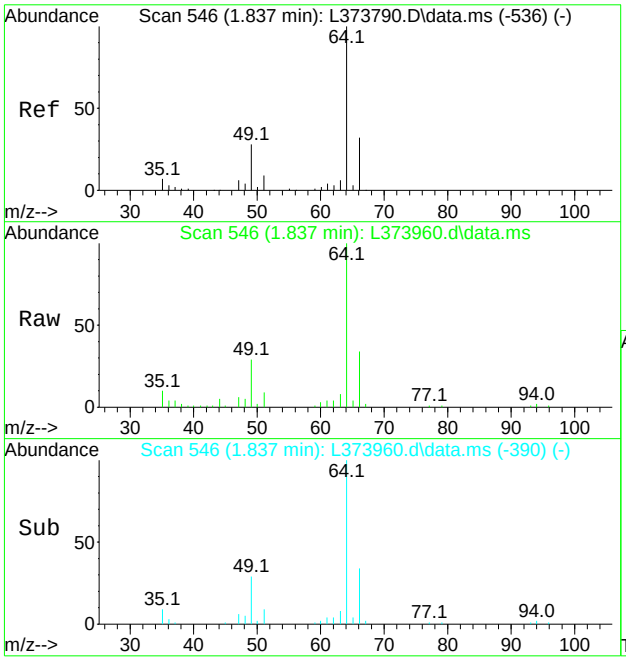


#11
bromomethane
Concen: 43.3298 ug/L
RT: 1.766 min Scan# 524
Delta R.T. 0.000 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 96 Resp: 30577

Ion	Ratio	Lower	Upper
96	100		
94	108.2	76.7	136.7
95	16.8	0.0	46.3

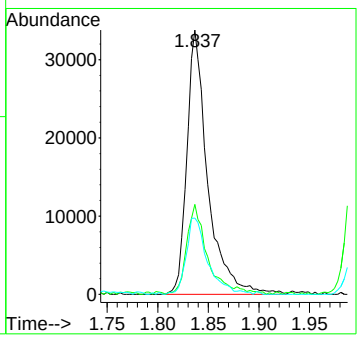


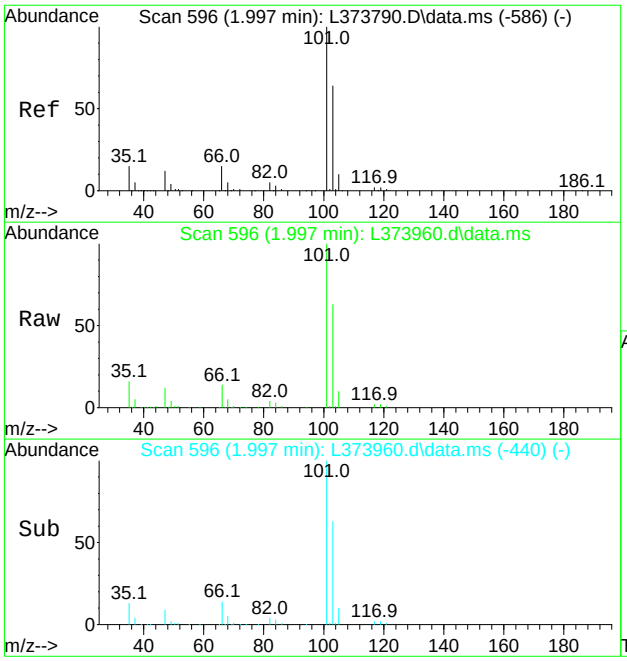


#12
chloroethane
Concen: 40.7056 ug/L
RT: 1.837 min Scan# 546
Delta R.T. -0.000 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 64 Resp: 48459

Ion	Ratio	Lower	Upper
64	100		
66	33.3	1.8	61.8
49	28.8	0.0	57.7

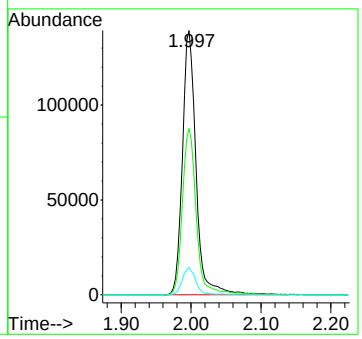


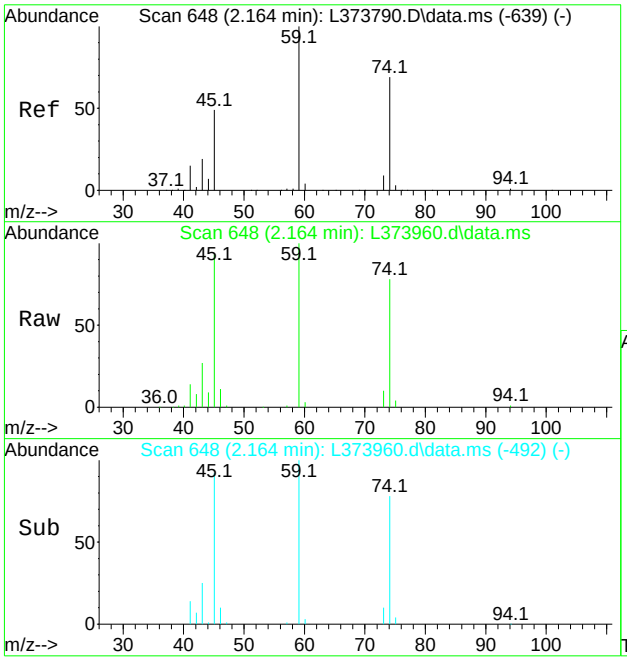


#13
trichlorofluoromethane
Concen: 52.2903 ug/L
RT: 1.997 min Scan# 596
Delta R.T. 0.000 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion:101 Resp: 188693

Ion	Ratio	Lower	Upper
101	100		
103	63.0	33.8	93.8
105	10.3	0.0	40.0

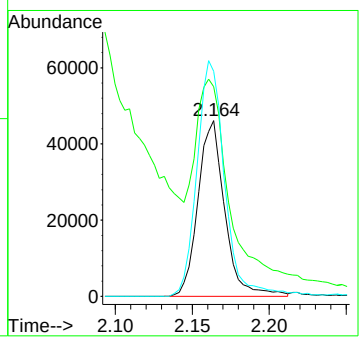


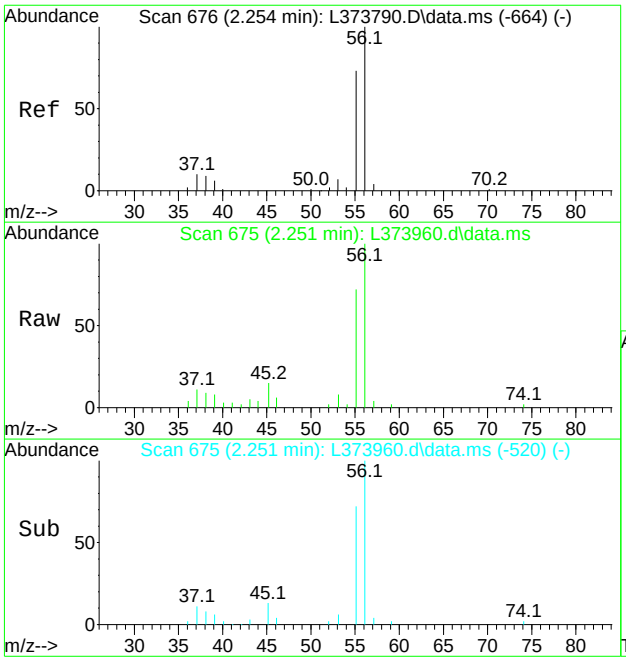


#14
ethyl ether
Concen: 46.5588 ug/L
RT: 2.164 min Scan# 648
Delta R.T. -0.000 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 74 Resp: 55958

Ion	Ratio	Lower	Upper
74	100		
45	106.7	102.0	162.0
59	128.0	114.2	174.2

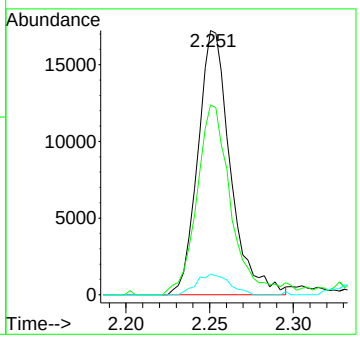


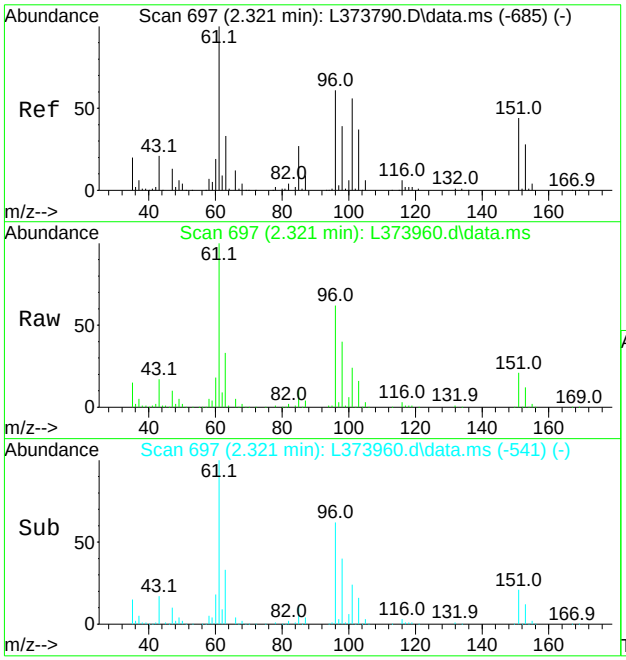


#15
acrolein
Concen: 44.9432 ug/L
RT: 2.251 min Scan# 675
Delta R.T. -0.003 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 56 Resp: 23145

Ion	Ratio	Lower	Upper
56	100		
55	71.9	42.9	102.9
53	7.9	0.0	38.0

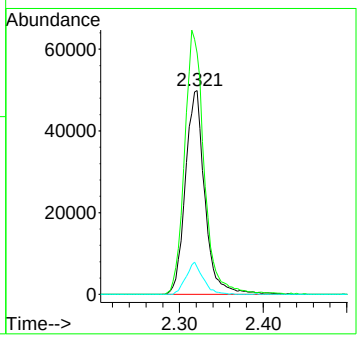


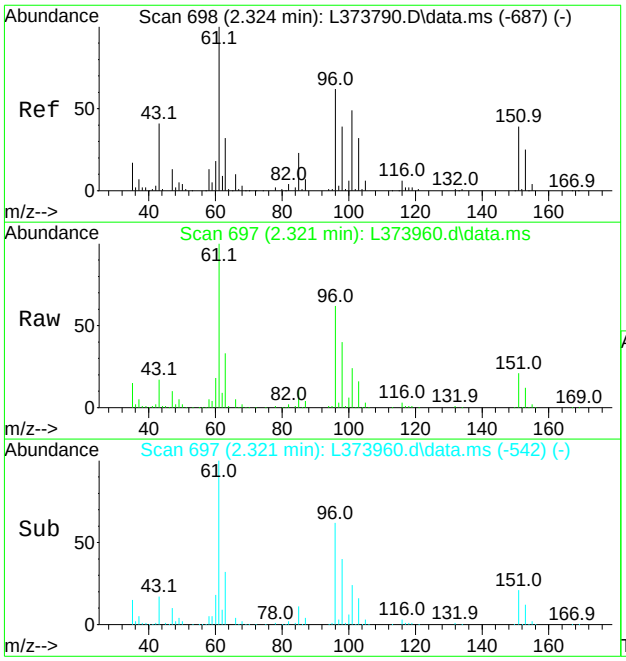


#16
freon 113
Concen: 53.1016 ug/L
RT: 2.321 min Scan# 697
Delta R.T. 0.000 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion:151 Resp: 80744

Ion	Ratio	Lower	Upper
151	100		
101	118.4	107.4	147.4
116	13.3	0.0	33.9

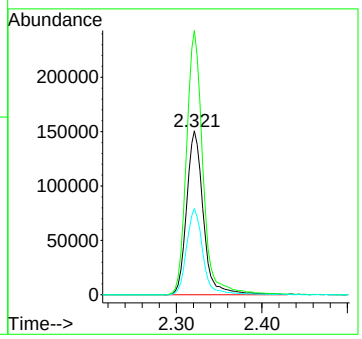


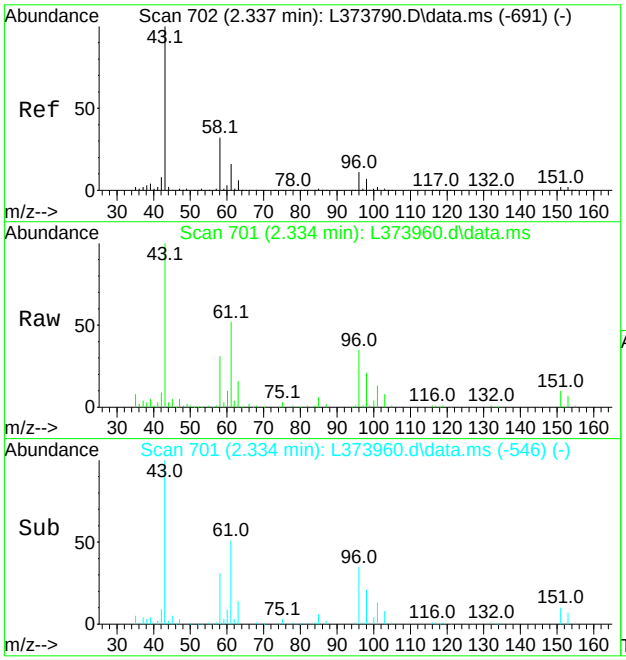


#17
1,1-dichloroethene
Concen: 107.9187 ug/L
RT: 2.321 min Scan# 697
Delta R.T. -0.003 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 96 Resp: 205079

Ion	Ratio	Lower	Upper
96	100		
61	161.2	131.4	191.4
63	52.6	22.3	82.3

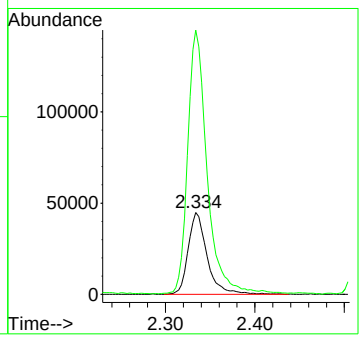


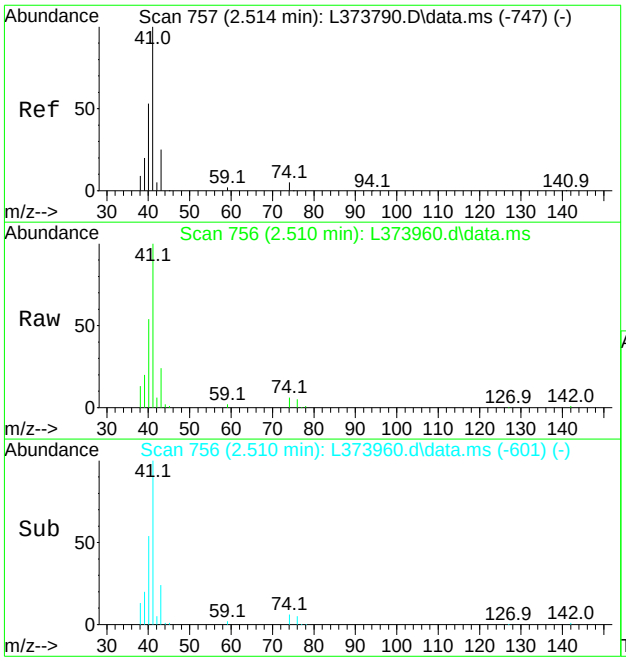


#18
acetone
Concen: 177.2542 ug/L
RT: 2.334 min Scan# 701
Delta R.T. -0.003 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 58 Resp: 66285

Ion	Ratio	Lower	Upper
58	100		
43	321.5	286.5	346.5

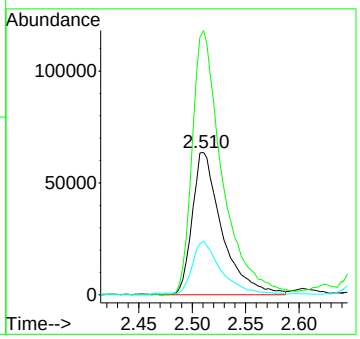


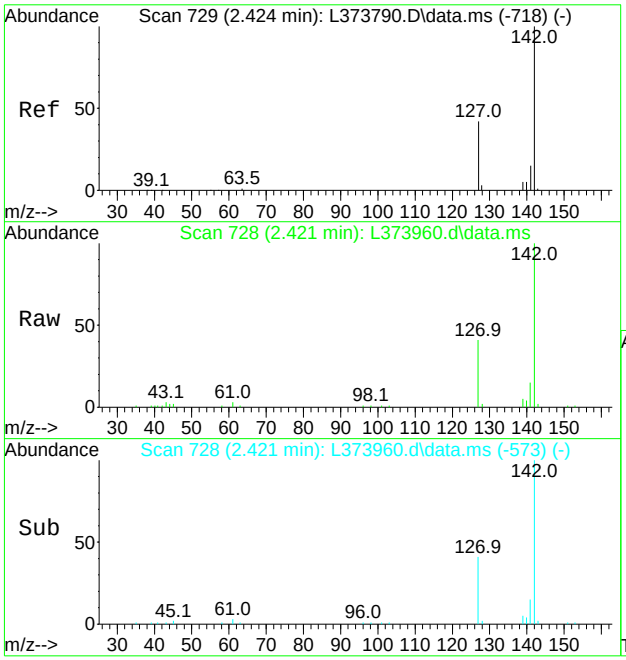


#19
acetonitrile
Concen: 419.8284 ug/L
RT: 2.510 min Scan# 756
Delta R.T. -0.004 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 40 Resp: 123022

Ion	Ratio	Lower	Upper
40	100		
41	185.7	158.5	218.5
39	37.0	8.2	68.2

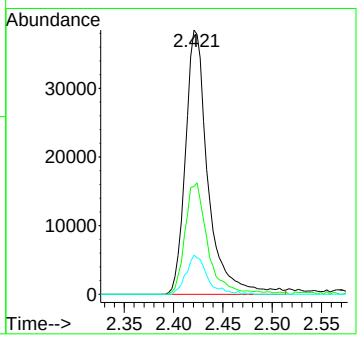


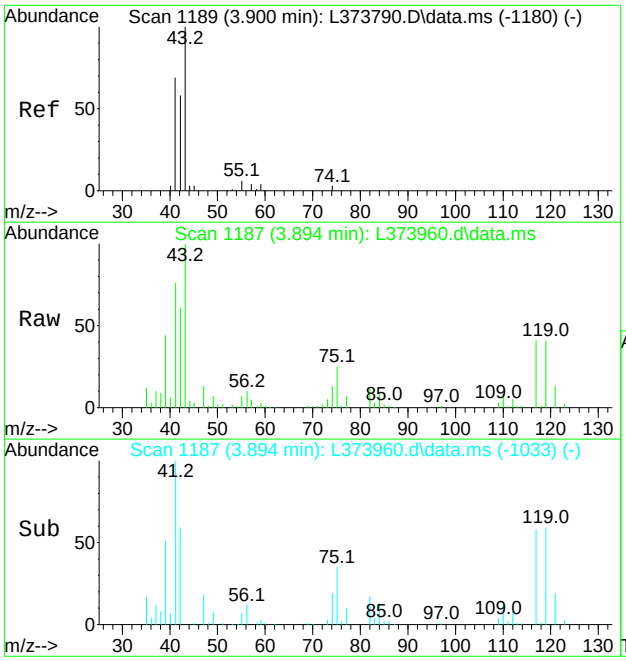


#20
iodomethane
Concen: 41.0015 ug/L
RT: 2.421 min Scan# 728
Delta R.T. -0.003 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion:142 Resp: 61324

Ion	Ratio	Lower	Upper
142	100		
127	40.8	12.2	72.2
141	14.9	0.0	44.6

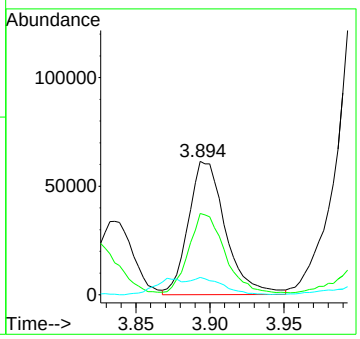


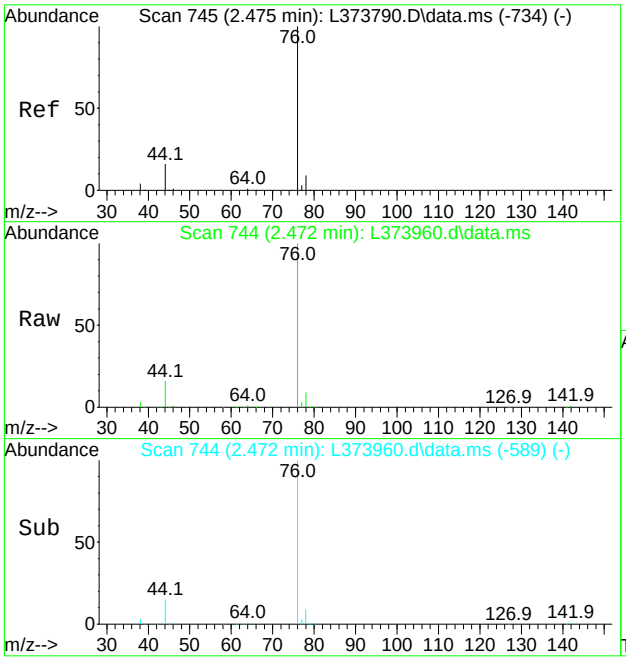


#21
iso-butyl alcohol
Concen: 420.7275 ug/L
RT: 3.894 min Scan# 1187
Delta R.T. -0.006 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 43 Resp: 106972

Ion	Ratio	Lower	Upper
43	100		
42	61.2	28.3	88.3
74	13.0	0.0	40.9

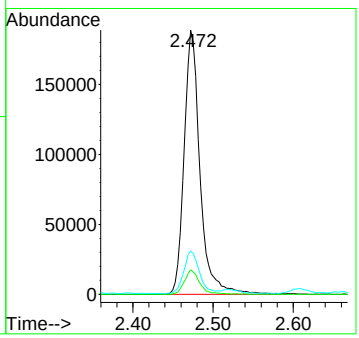


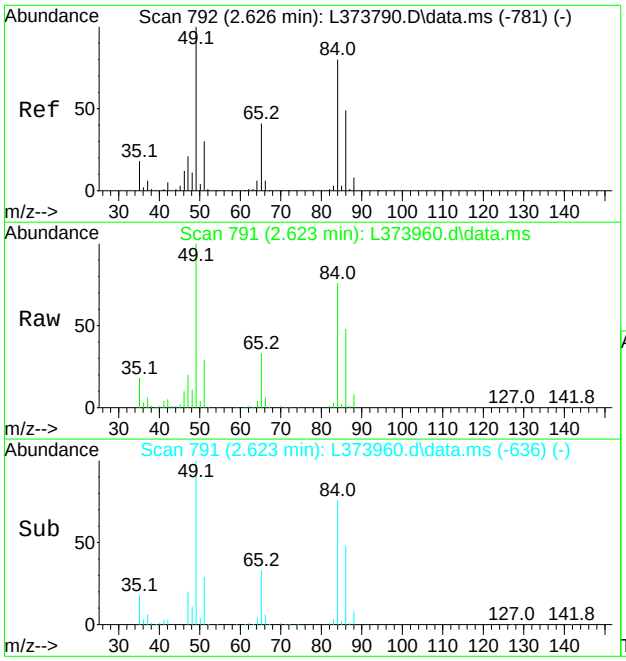


#22
carbon disulfide
Concen: 43.6446 ug/L
RT: 2.472 min Scan# 744
Delta R.T. -0.003 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 76 Resp: 260873

Ion	Ratio	Lower	Upper
76	100		
78	9.3	0.0	38.9
44	16.0	0.0	46.1

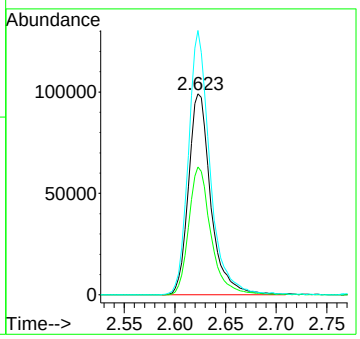


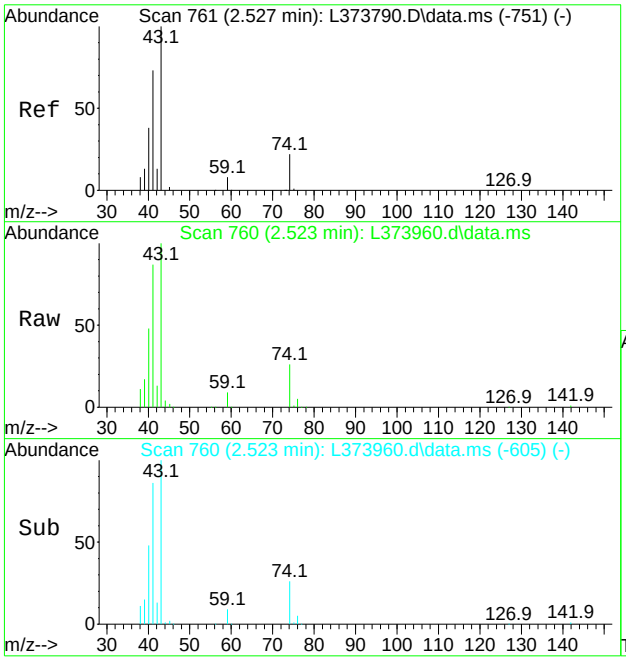


#23
methylene chloride
Concen: 65.0243 ug/L
RT: 2.623 min Scan# 791
Delta R.T. -0.003 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 84 Resp: 152501

Ion	Ratio	Lower	Upper
84	100		
86	63.7	31.2	91.2
49	131.3	95.6	155.6

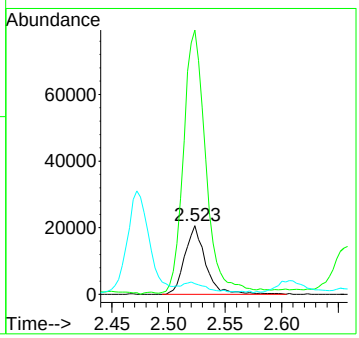


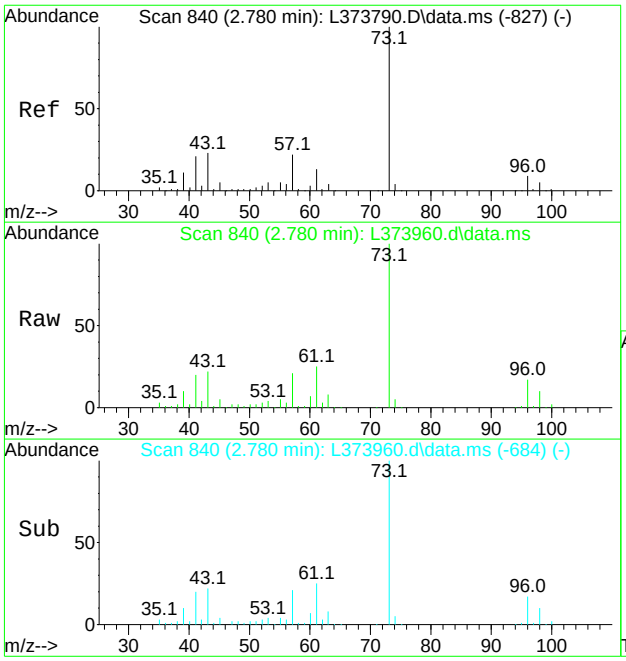


#24
methyl acetate
Concen: 44.8548 ug/L
RT: 2.523 min Scan# 760
Delta R.T. -0.004 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 74 Resp: 26498

Ion	Ratio	Lower	Upper
74	100		
43	381.5	417.7	477.7#
44	0.0	0.0	39.0

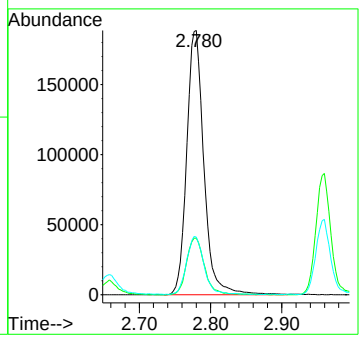


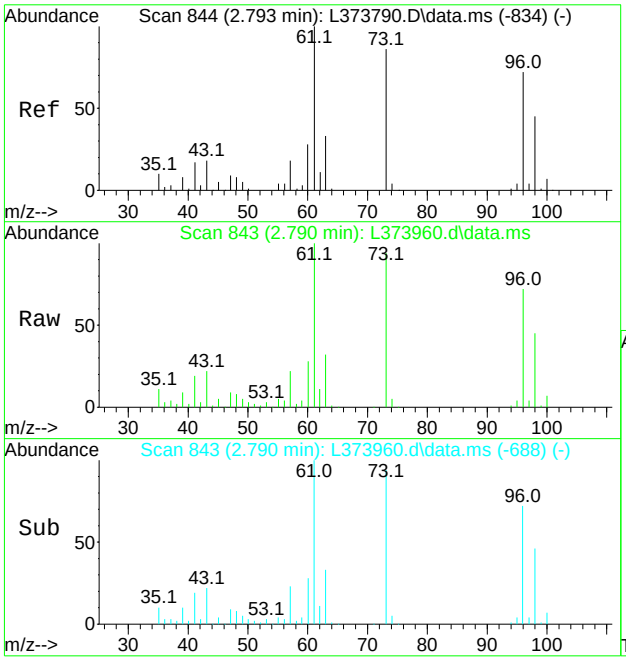


#25
methyl tert butyl ether
Concen: 50.2844 ug/L
RT: 2.780 min Scan# 840
Delta R.T. 0.000 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 73 Resp: 316112

Ion	Ratio	Lower	Upper
73	100		
57	21.4	0.0	52.4
43	21.7	0.0	52.7

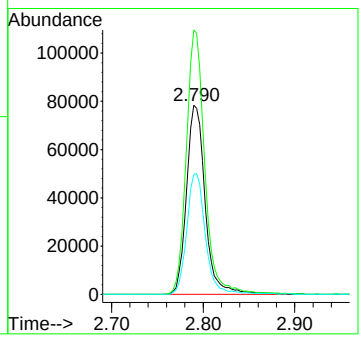


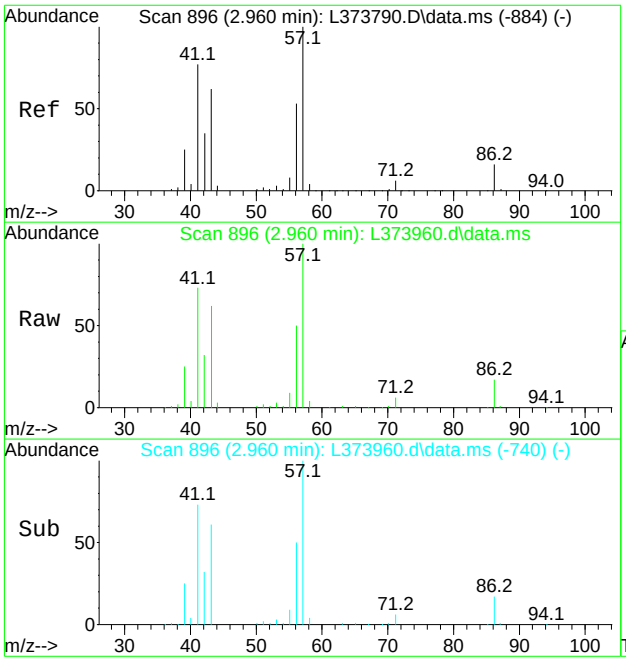


#26
trans-1,2-dichloroethene
Concen: 51.4841 ug/L
RT: 2.790 min Scan# 843
Delta R.T. -0.003 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 96 Resp: 111243

Ion	Ratio	Lower	Upper
96	100		
61	139.8	109.1	169.1
98	63.4	32.0	92.0

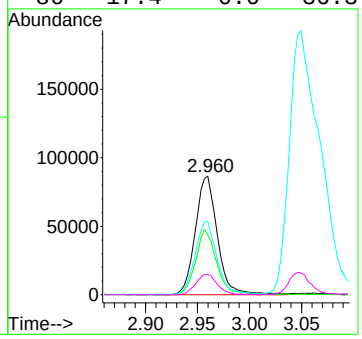


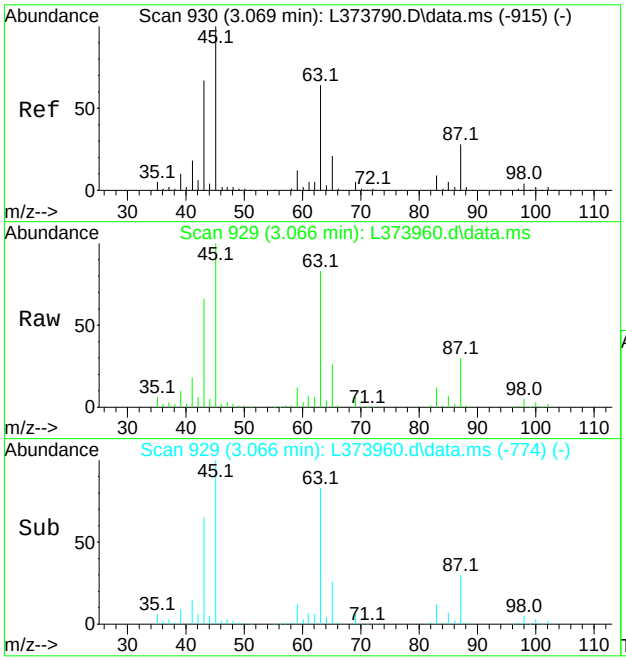


#27
hexane
Concen: 47.9824 ug/L
RT: 2.960 min Scan# 896
Delta R.T. -0.000 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 57 Resp: 128071

Ion	Ratio	Lower	Upper
57	100		
56	50.4	32.9	72.9
43	61.9	41.9	81.9
86	17.4	0.0	36.3

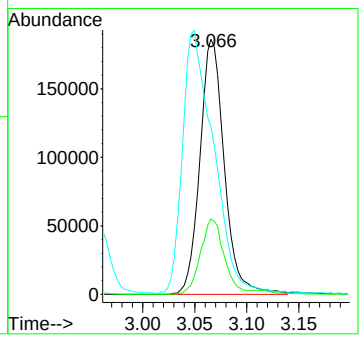


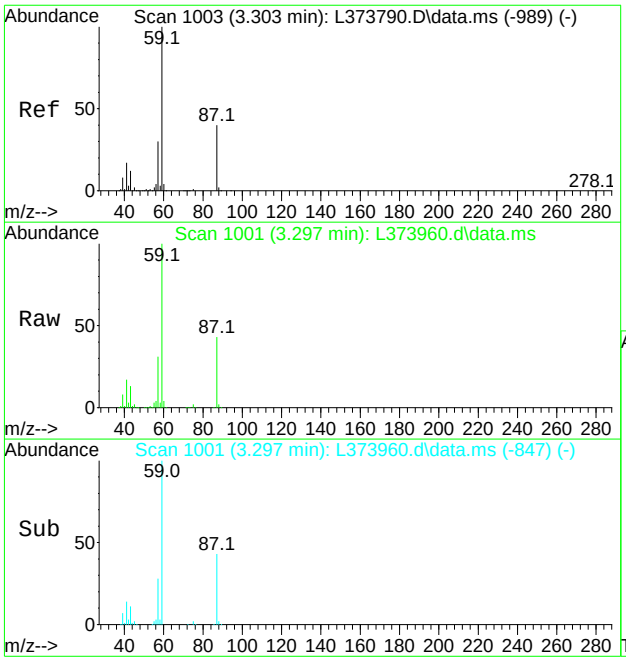


#28
di-isopropyl ether
Concen: 46.3226 ug/L
RT: 3.066 min Scan# 929
Delta R.T. -0.003 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 45 Resp: 304822

Ion	Ratio	Lower	Upper
45	100		
87	29.6	0.0	57.5
43	64.9	37.5	97.5

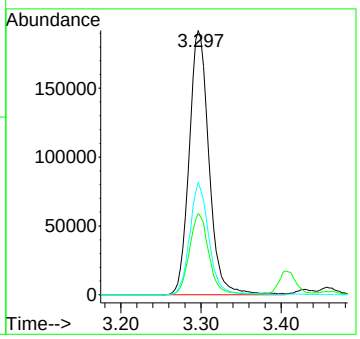


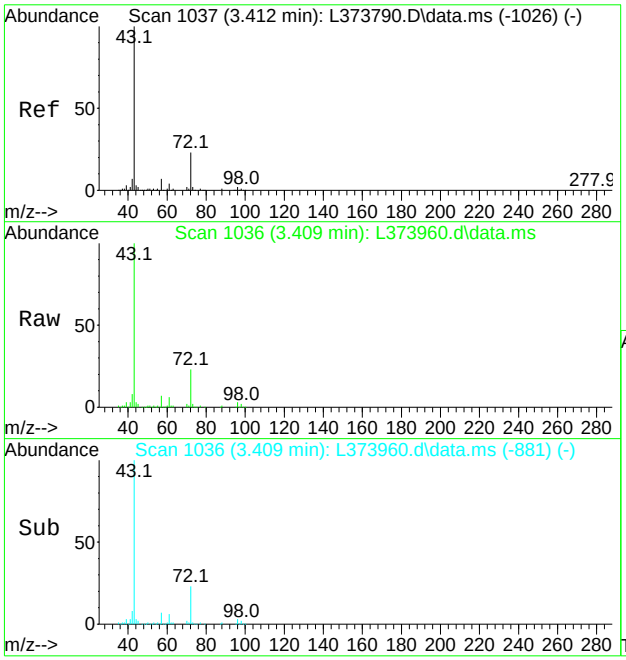


#29
ethyl tert-butyl ether
Concen: 48.8600 ug/L
RT: 3.297 min Scan# 1001
Delta R.T. -0.006 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 59 Resp: 330247

Ion	Ratio	Lower	Upper
59	100		
57	30.7	0.3	60.3
87	42.5	9.6	69.6

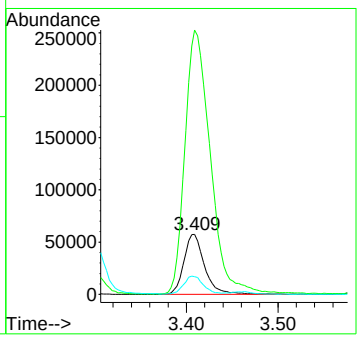


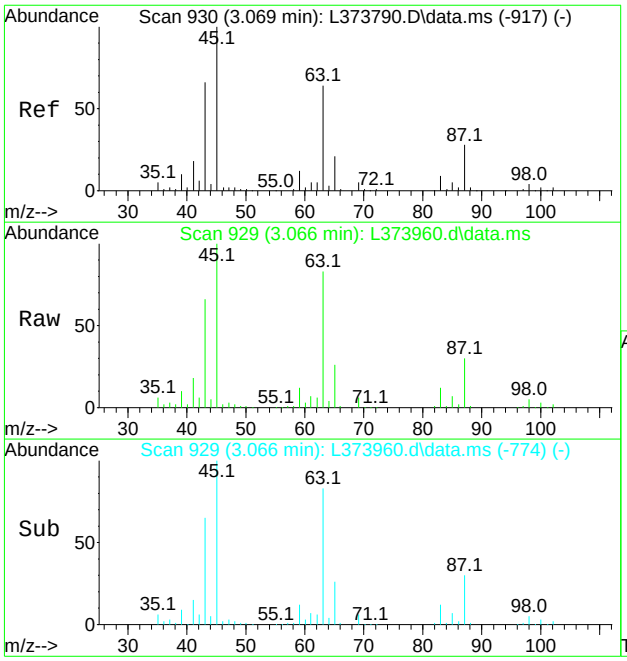


#30
2-butanone
Concen: 191.4401 ug/L
RT: 3.409 min Scan# 1036
Delta R.T. -0.003 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 72 Resp: 90055

Ion	Ratio	Lower	Upper
72	100		
43	438.6	411.9	471.9
57	28.8	2.4	62.4

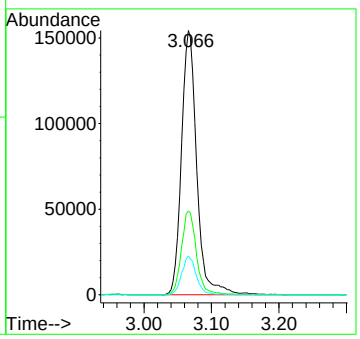


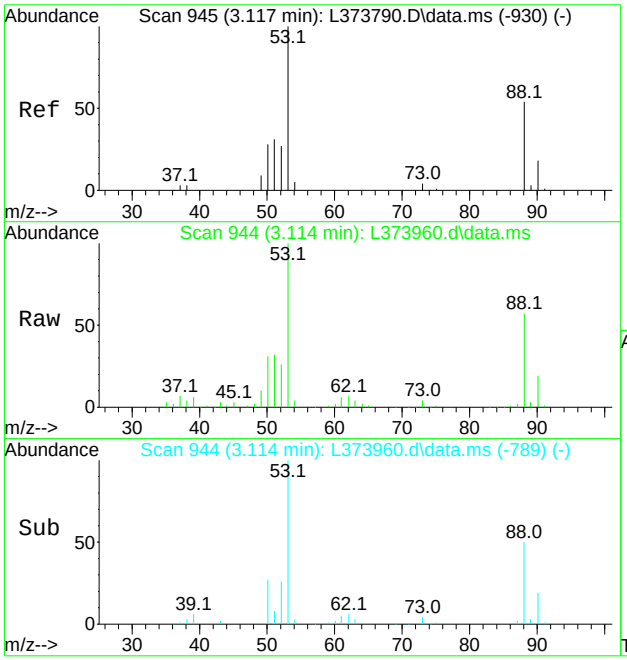


#31
1,1-dichloroethane
Concen: 59.5602 ug/L
RT: 3.066 min Scan# 929
Delta R.T. -0.003 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 63 Resp: 243098

Ion	Ratio	Lower	Upper
63	100		
65	31.7	2.5	62.5
83	14.7	0.0	43.5

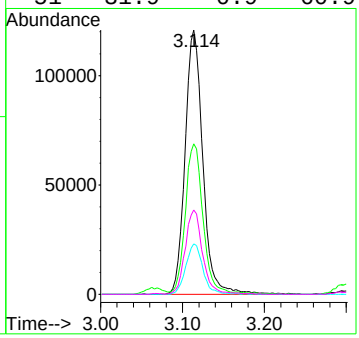


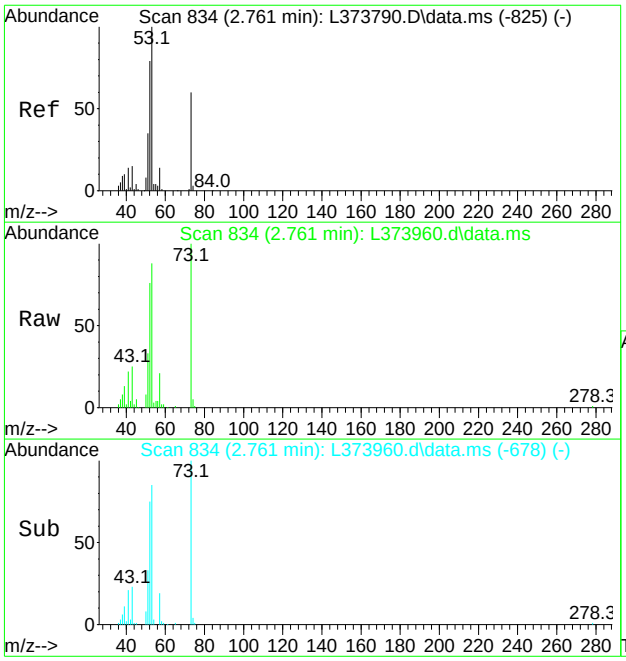


#32
chloroprene
Concen: 51.9627 ug/L
RT: 3.114 min Scan# 944
Delta R.T. -0.003 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 53 Resp: 182469

Ion	Ratio	Lower	Upper
53	100		
88	56.9	26.2	86.2
90	19.1	0.0	47.9
51	31.9	0.9	60.9

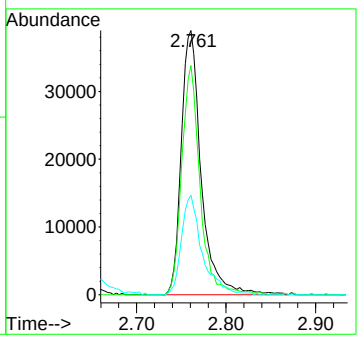


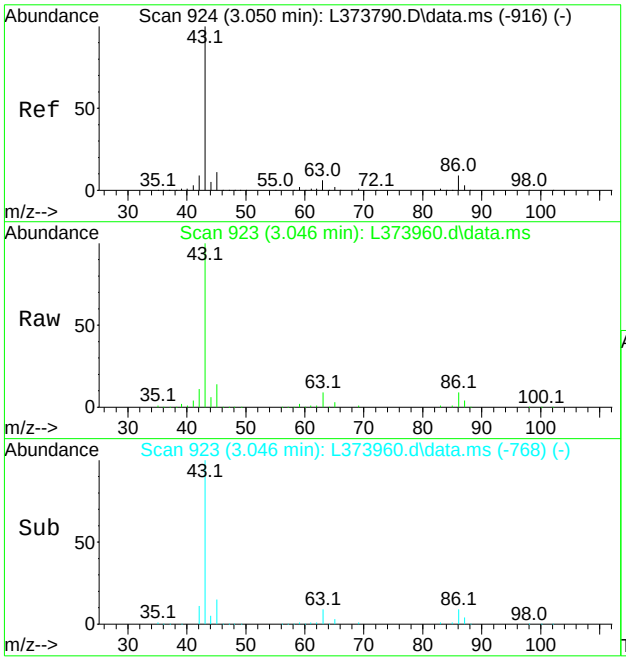


#33
acrylonitrile
Concen: 53.7777 ug/L
RT: 2.761 min Scan# 834
Delta R.T. -0.000 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 53 Resp: 60580

Ion	Ratio	Lower	Upper
53	100		
52	86.7	48.8	108.8
51	37.8	4.6	64.6

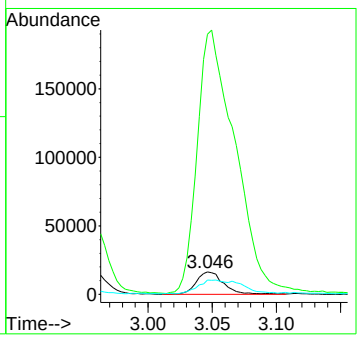


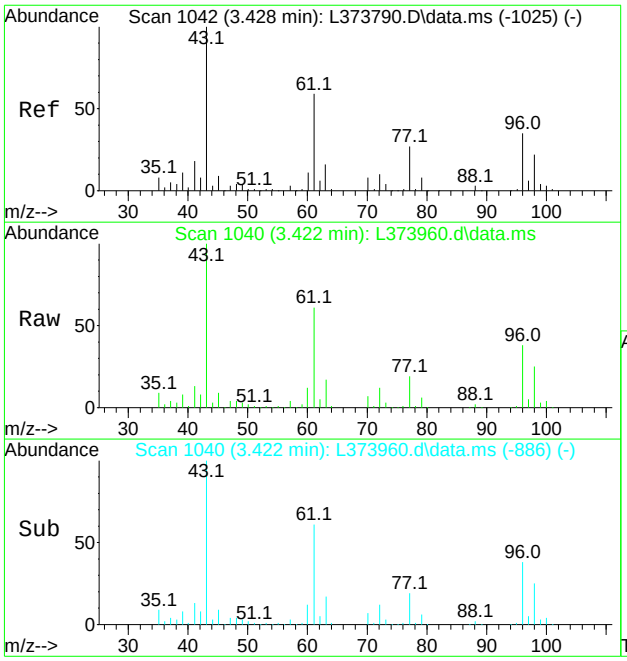


#34
vinyl acetate
Concen: 46.2813 ug/L
RT: 3.046 min Scan# 923
Delta R.T. -0.004 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 86 Resp: 24718

Ion	Ratio	Lower	Upper
86	100		
43	1149.6	1076.3	1136.3#
44	60.6	23.6	83.6

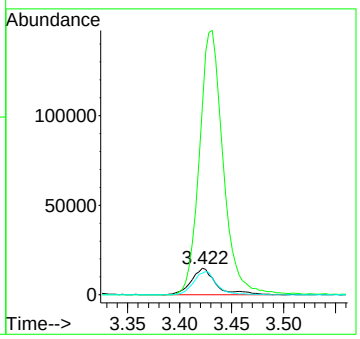


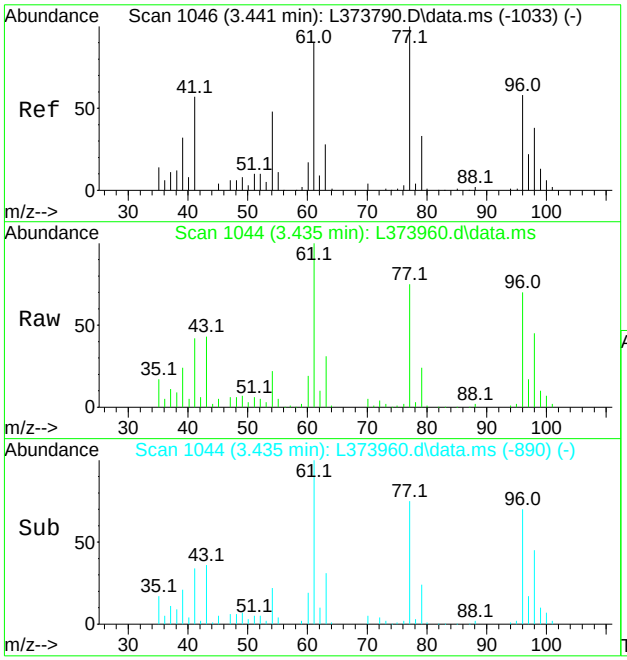


#35
ethyl acetate
Concen: 42.6771 ug/L
RT: 3.422 min Scan# 1040
Delta R.T. -0.006 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 45 Resp: 24836

Ion	Ratio	Lower	Upper
45	100		
61	709.1	598.6	658.6#
70	80.8	53.6	113.6

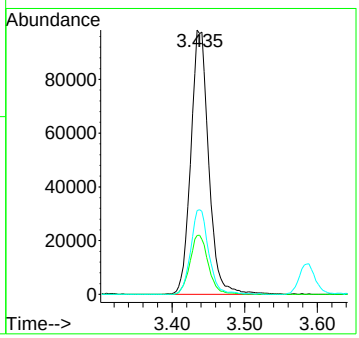


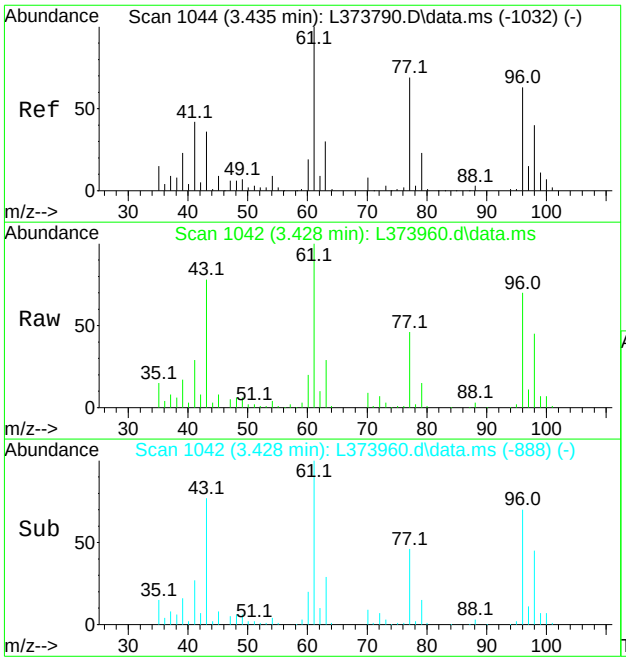


#36
2,2-dichloropropane
Concen: 45.9000 ug/L
RT: 3.435 min Scan# 1044
Delta R.T. -0.006 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 77 Resp: 168790

Ion	Ratio	Lower	Upper
77	100		
97	22.3	0.0	52.3
79	31.7	3.0	63.0

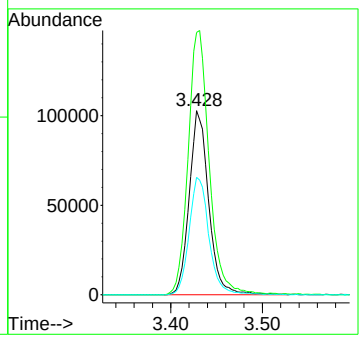


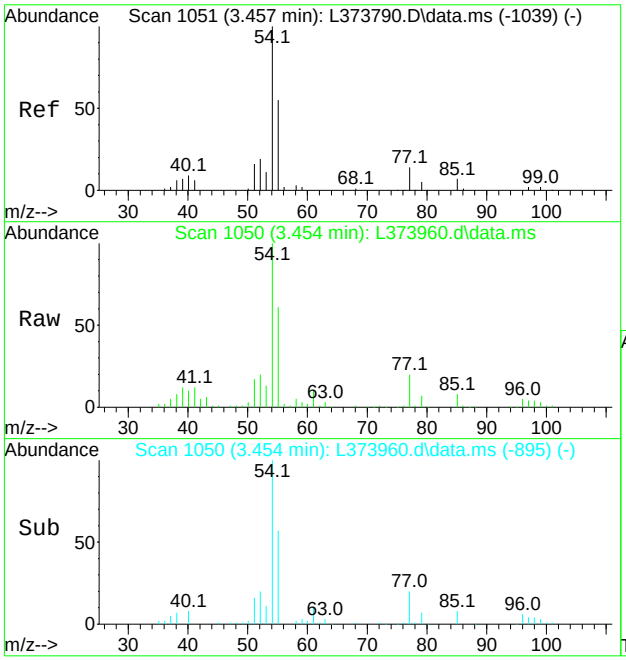


#37
cis-1,2-dichloroethene
Concen: 63.9643 ug/L
RT: 3.428 min Scan# 1042
Delta R.T. -0.007 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 96 Resp: 151858

Ion	Ratio	Lower	Upper
96	100		
61	142.4	128.7	188.7
98	63.8	34.1	94.1

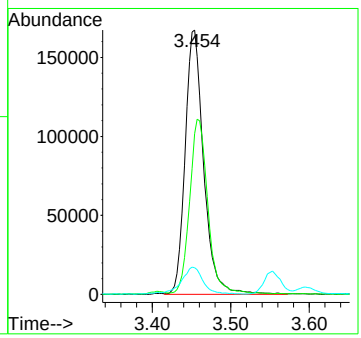


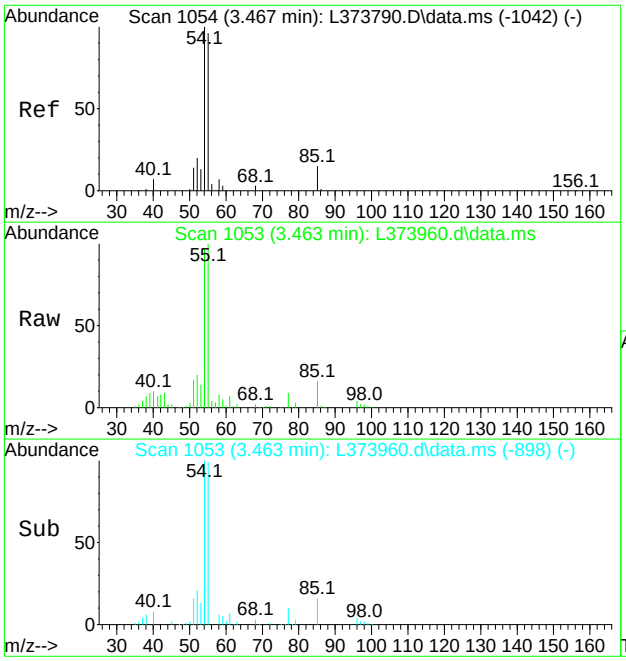


#38
propionitrile
Concen: 427.2372 ug/L
RT: 3.454 min Scan# 1050
Delta R.T. -0.003 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 54 Resp: 273806

Ion	Ratio	Lower	Upper
54	100		
55	60.6	25.4	85.4
40	9.4	0.0	39.0

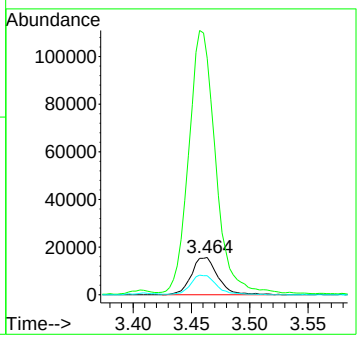


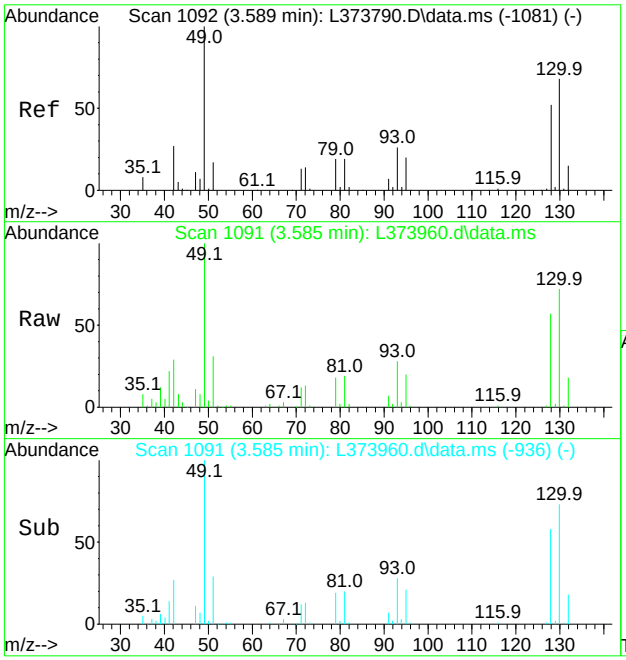


#39
methyl acrylate
Concen: 49.5321 ug/L
RT: 3.463 min Scan# 1053
Delta R.T. -0.004 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 85 Resp: 24817

Ion	Ratio	Lower	Upper
85	100		
55	629.6	639.4	679.4#
58	51.5	29.8	69.8

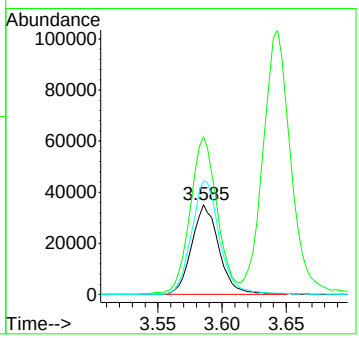


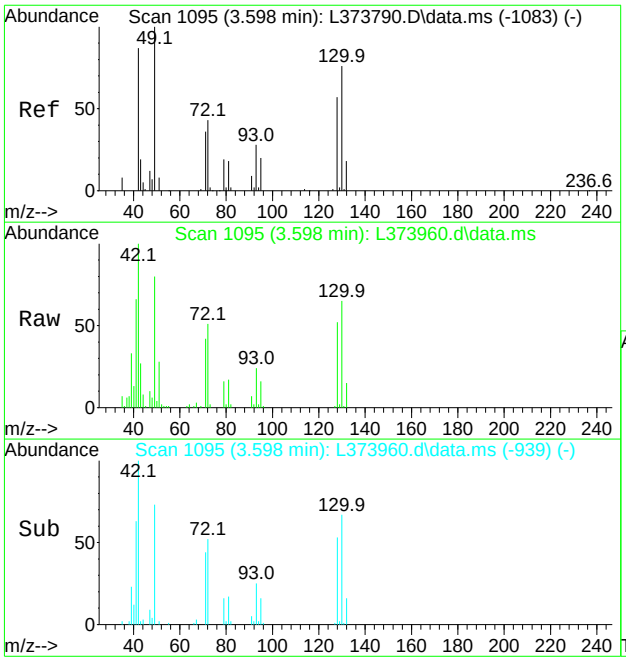


#40
bromochloromethane
Concen: 49.6884 ug/L
RT: 3.585 min Scan# 1091
Delta R.T. -0.004 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion:128 Resp: 51949

Ion	Ratio	Lower	Upper
128	100		
49	173.9	163.3	223.3
130	126.1	100.3	160.3

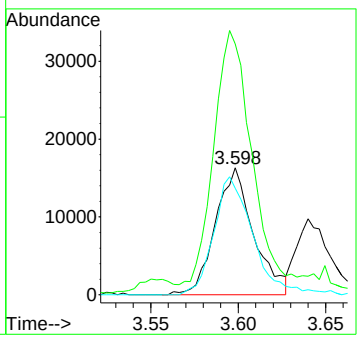


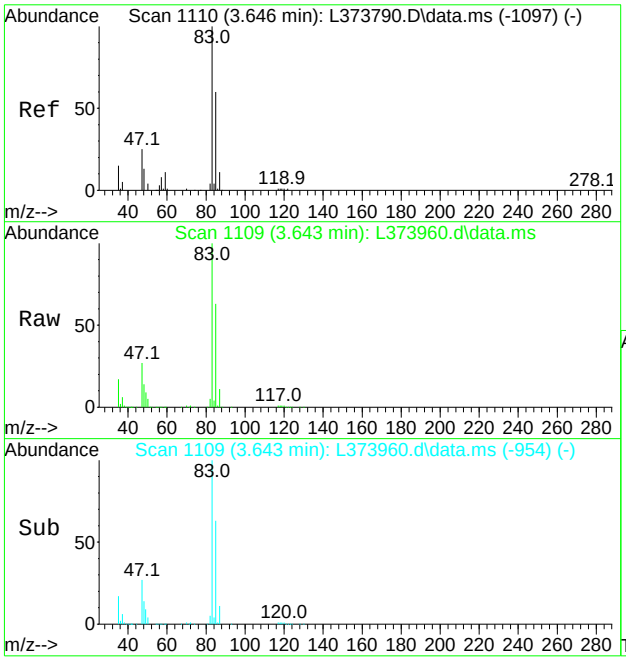


#41
tetrahydrofuran
Concen: 42.3372 ug/L
RT: 3.598 min Scan# 1095
Delta R.T. 0.000 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 72 Resp: 24818

Ion	Ratio	Lower	Upper
72	100		
42	185.4	183.3	243.3
71	84.0	53.5	113.5

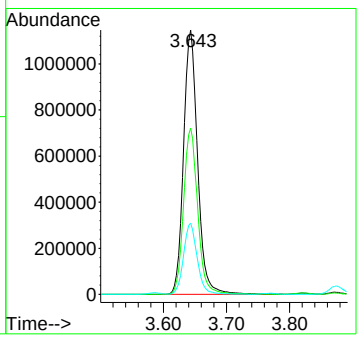


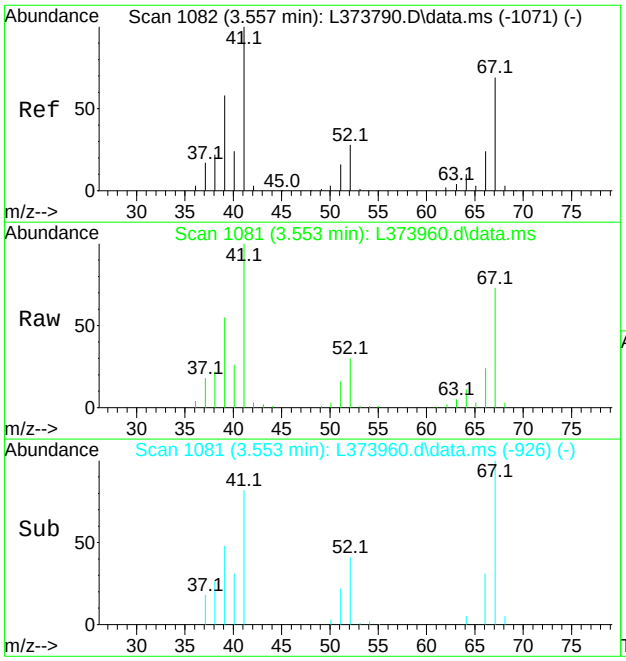


#42
chloroform
Concen: 391.6082 ug/L
RT: 3.643 min Scan# 1109
Delta R.T. -0.003 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 83 Resp: 1773743

Ion	Ratio	Lower	Upper
83	100		
85	62.9	29.7	89.7
47	26.8	0.0	54.6

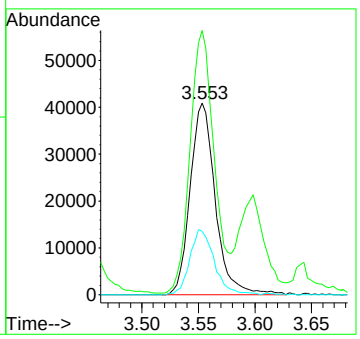


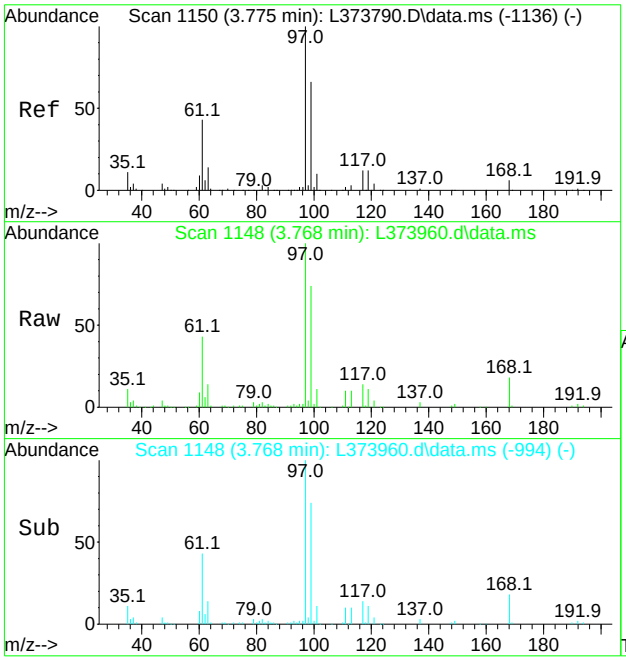


#44
methacrylonitrile
Concen: 46.3301 ug/L
RT: 3.553 min Scan# 1081
Delta R.T. -0.004 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 67 Resp: 63323

Ion	Ratio	Lower	Upper
67	100		
41	136.9	115.3	175.3
66	33.1	4.3	64.3

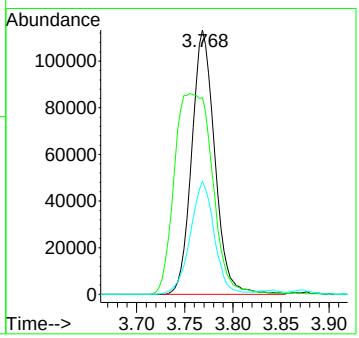


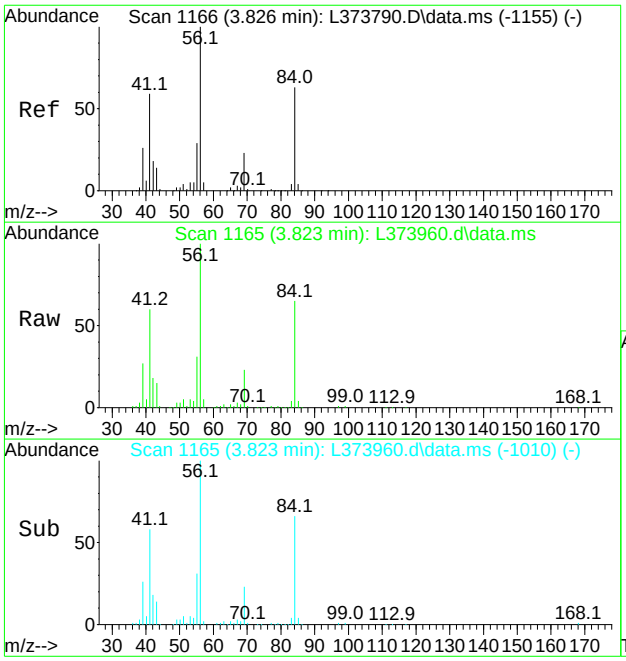


#45
1,1,1-trichloroethane
Concen: 52.8002 ug/L
RT: 3.768 min Scan# 1148
Delta R.T. -0.007 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 97 Resp: 189367

Ion	Ratio	Lower	Upper
97	100		
99	73.9	41.0	101.0
61	42.6	12.9	72.9

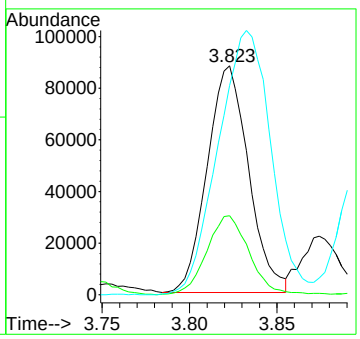


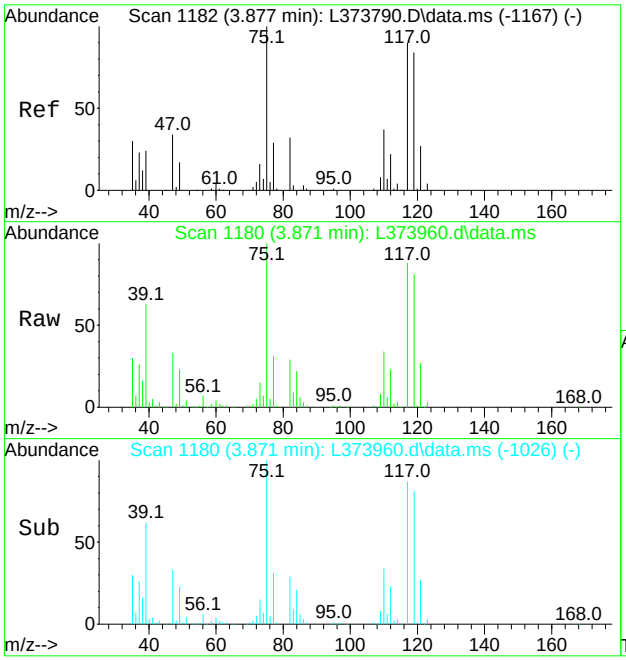


#46
cyclohexane
Concen: 48.5237 ug/L
RT: 3.823 min Scan# 1165
Delta R.T. -0.003 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 84 Resp: 144611

Ion	Ratio	Lower	Upper
84	100		
69	34.6	16.2	56.2
41	92.0	73.6	113.6

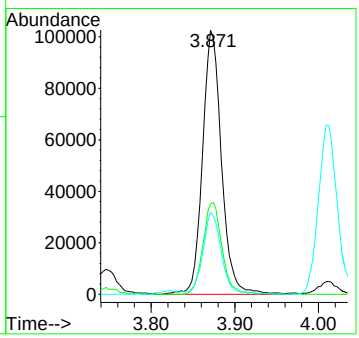


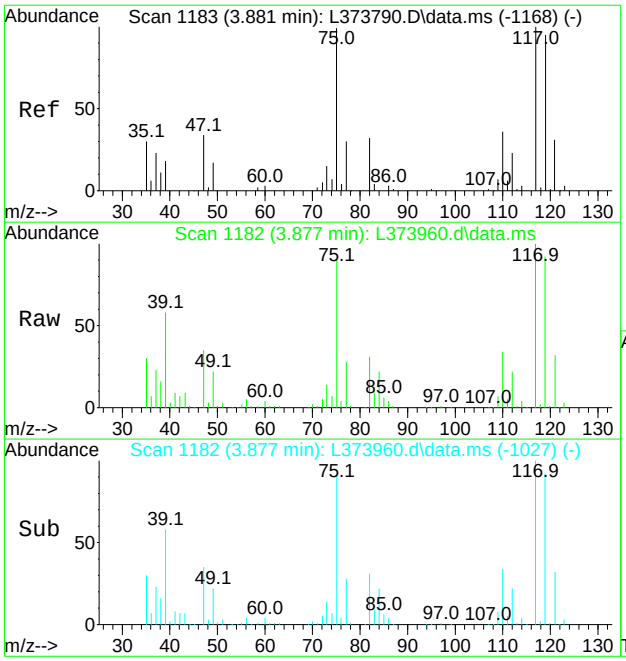


#47
1,1-dichloropropene
Concen: 55.6865 ug/L
RT: 3.871 min Scan# 1180
Delta R.T. -0.006 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 75 Resp: 161965

Ion	Ratio	Lower	Upper
75	100		
110	34.3	17.0	57.0
77	30.9	10.2	50.2

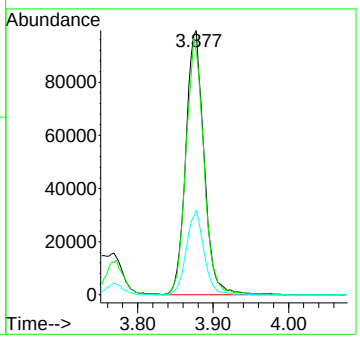


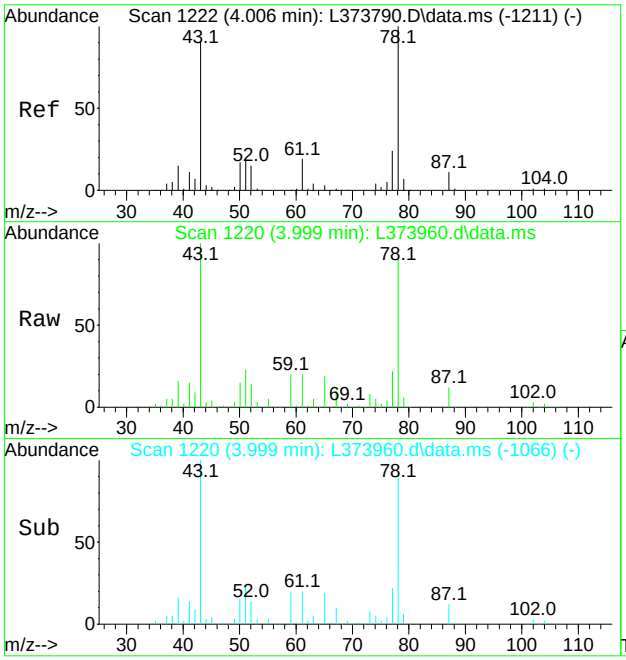


#48
carbon tetrachloride
Concen: 57.3012 ug/L
RT: 3.877 min Scan# 1182
Delta R.T. -0.004 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion:117 Resp: 167519

Ion	Ratio	Lower	Upper
117	100		
119	91.9	74.4	114.4
121	32.0	10.8	50.8

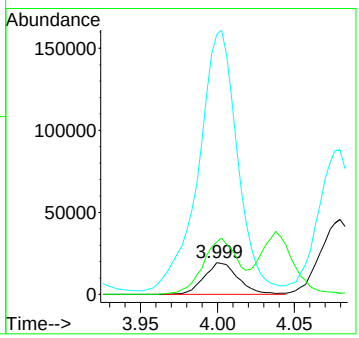


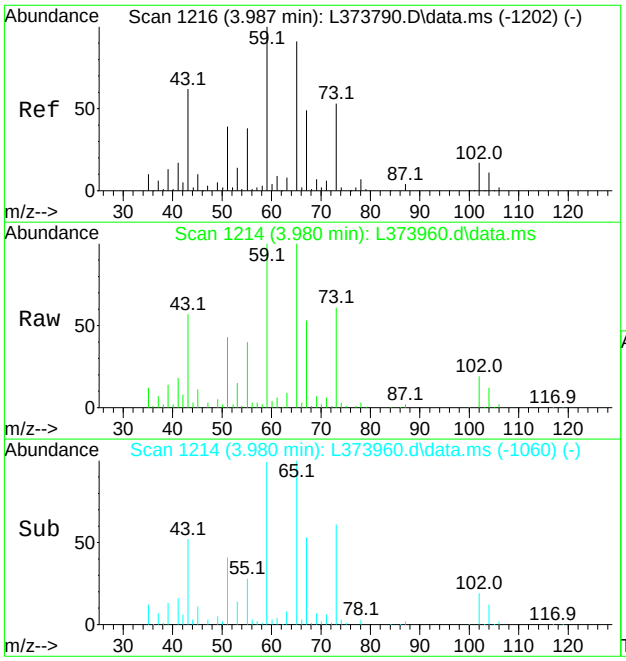


#49
isopropyl acetate
Concen: 46.2338 ug/L
RT: 3.999 min Scan# 1220
Delta R.T. -0.007 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 87 Resp: 29997

Ion	Ratio	Lower	Upper
87	100		
61	163.6	152.1	192.1
43	792.8	844.1	904.1#

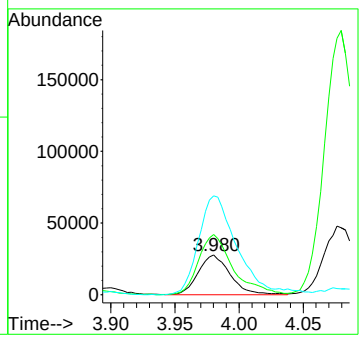


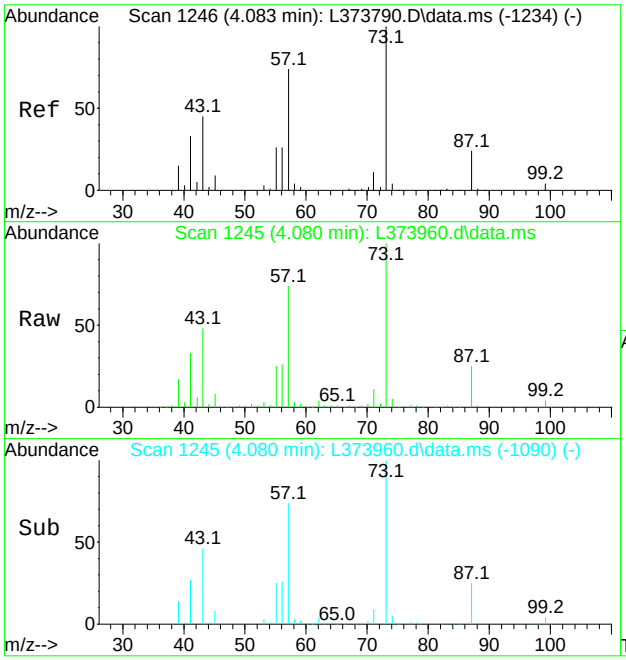


#50
tert amyl alcohol
Concen: 190.6953 ug/L
RT: 3.980 min Scan# 1214
Delta R.T. -0.007 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 55 Resp: 48436

Ion	Ratio	Lower	Upper
55	100		
73	152.5	119.2	159.2
59	251.4	242.0	282.0

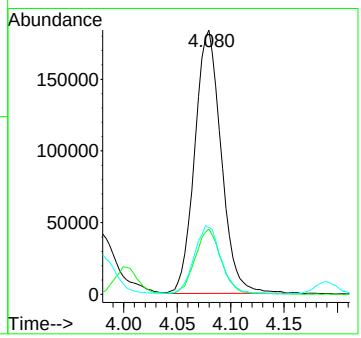


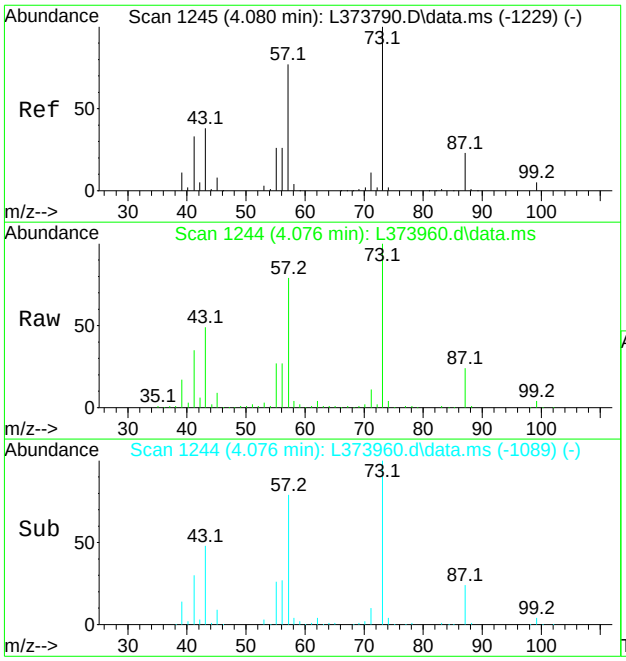


#53
tert-amyl methyl ether
Concen: 47.9368 ug/L
RT: 4.080 min Scan# 1245
Delta R.T. -0.003 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 73 Resp: 315769

Ion	Ratio	Lower	Upper
73	100		
87	24.6	4.6	44.6
55	25.3	5.7	45.7

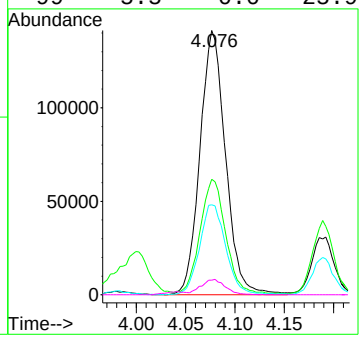


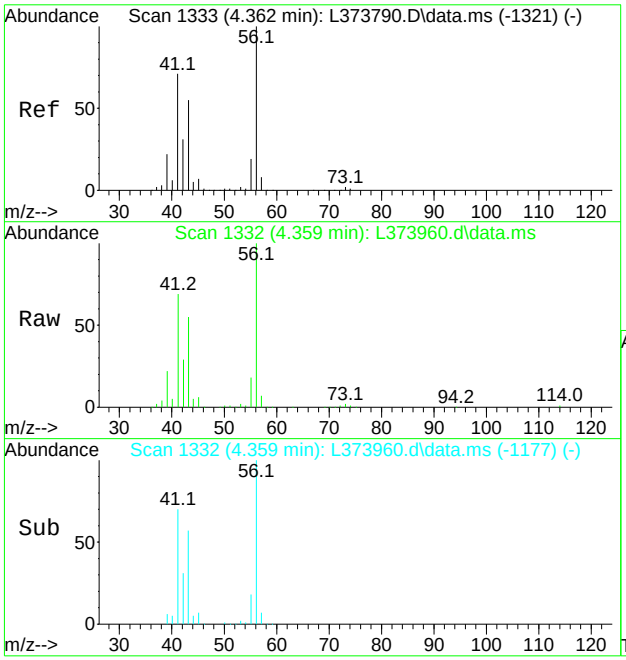


#54
2,2,4-trimethylpentane
Concen: 52.0889 ug/L
RT: 4.076 min Scan# 1244
Delta R.T. -0.004 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 57 Resp: 255364

Ion	Ratio	Lower	Upper
57	100		
41	43.3	25.1	65.1
56	33.8	13.8	53.8
99	5.5	0.0	25.9

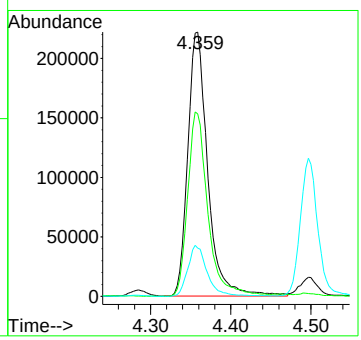


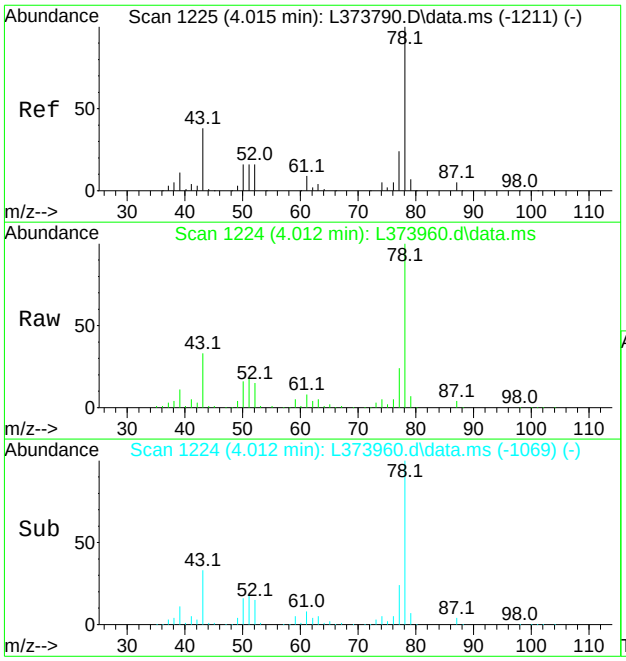


#55
n-butyl alcohol
Concen: 1983.8583 ug/L
RT: 4.359 min Scan# 1332
Delta R.T. -0.003 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 56 Resp: 384073

Ion	Ratio	Lower	Upper
56	100		
41	68.9	40.6	100.6
55	18.2	0.0	49.1

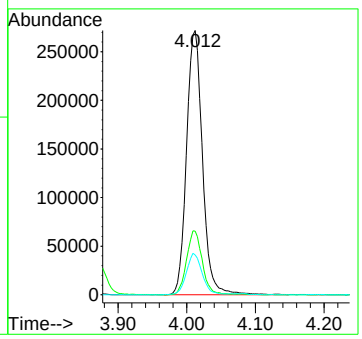


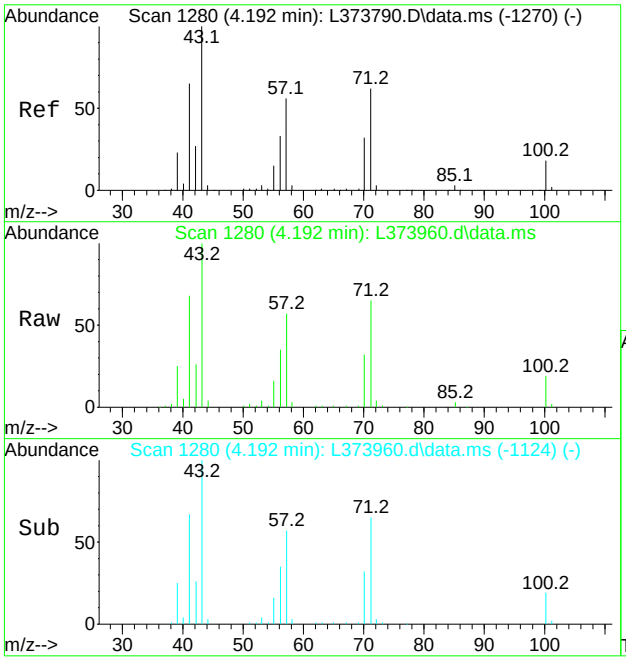


#56
benzene
Concen: 49.7129 ug/L
RT: 4.012 min Scan# 1224
Delta R.T. -0.003 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 78 Resp: 437772

Ion	Ratio	Lower	Upper
78	100		
77	24.1	0.0	53.5
52	15.1	0.0	46.2

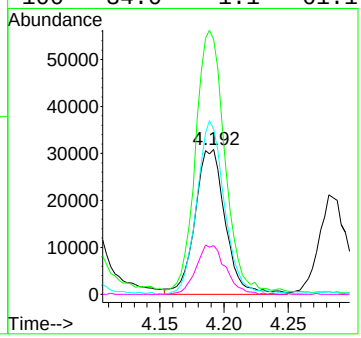


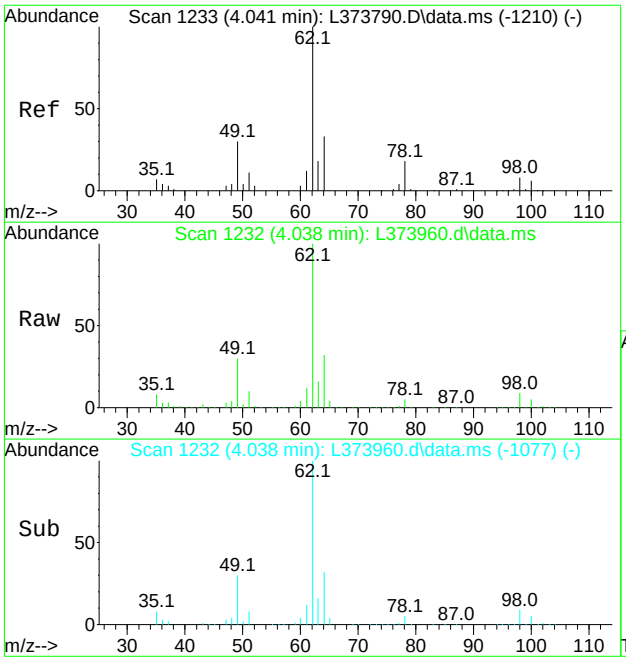


#57
heptane
Concen: 49.0440 ug/L
RT: 4.192 min Scan# 1280
Delta R.T. -0.000 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 57 Resp: 50971

Ion	Ratio	Lower	Upper
57	100		
43	175.4	146.8	206.8
71	115.2	78.5	138.5
100	34.0	1.1	61.1

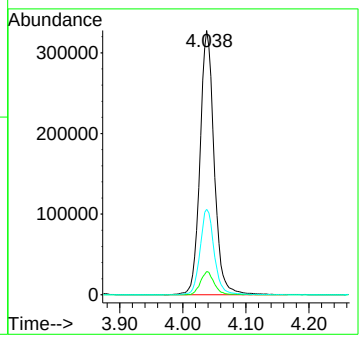


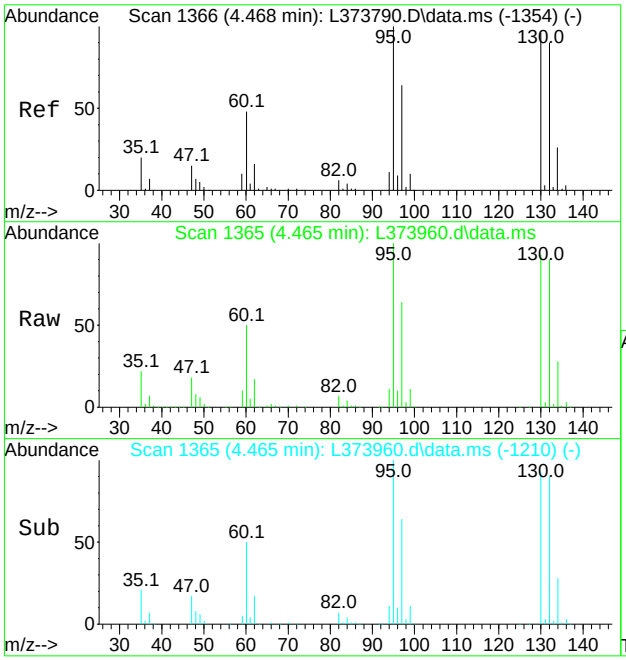


#58
1,2-dichloroethane
Concen: 152.8975 ug/L
RT: 4.038 min Scan# 1232
Delta R.T. -0.003 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 62 Resp: 512524

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	38.1
64	32.3	2.8	62.8

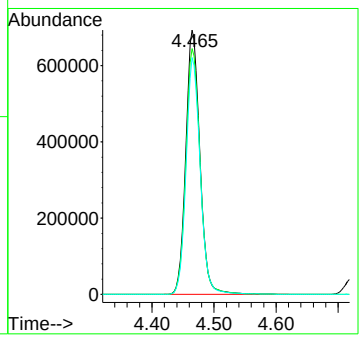


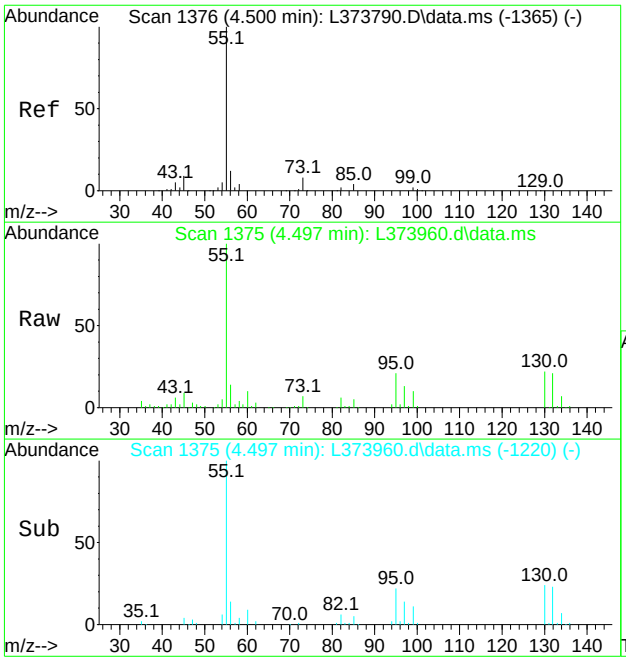


#59
trichloroethene
Concen: 494.2654 ug/L
RT: 4.465 min Scan# 1365
Delta R.T. -0.003 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 95 Resp: 1095824

Ion	Ratio	Lower	Upper
95	100		
130	92.9	65.5	125.5
132	89.6	59.7	119.7

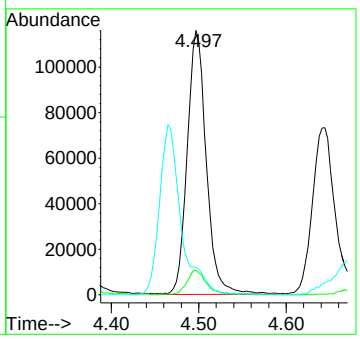


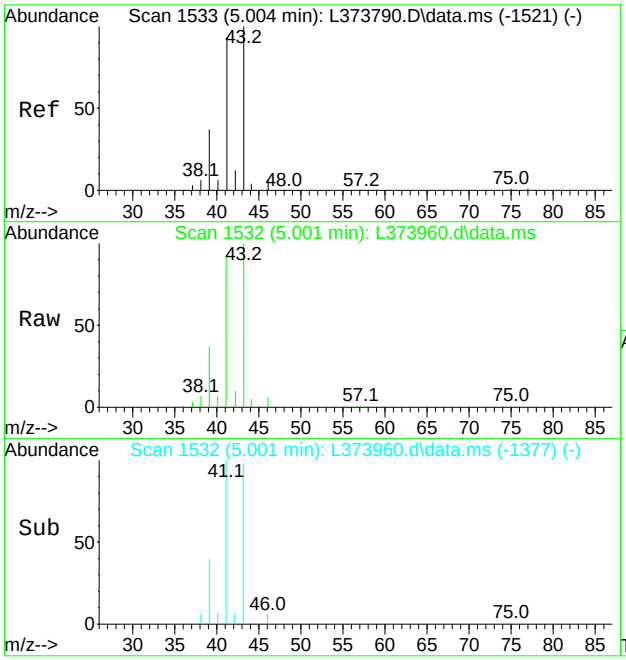


#60
ethyl acrylate
Concen: 44.4554 ug/L
RT: 4.497 min Scan# 1375
Delta R.T. -0.003 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 55 Resp: 176394

Ion	Ratio	Lower	Upper
55	100		
45	9.4	0.0	28.6
99	10.4	0.0	27.8

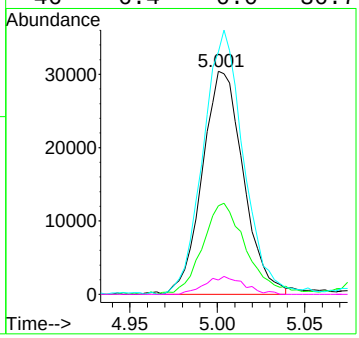


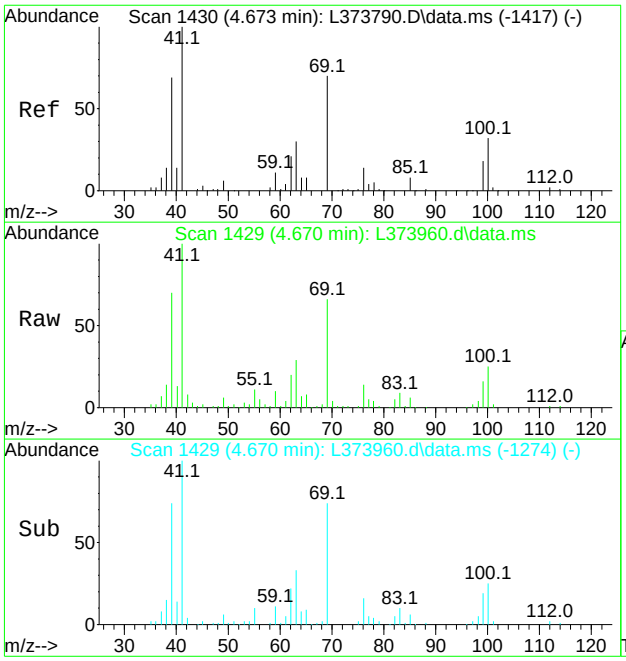


#61
2-nitropropane
Concen: 42.2023 ug/L
RT: 5.001 min Scan# 1532
Delta R.T. -0.003 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 41 Resp: 49687

Ion	Ratio	Lower	Upper
41	100		
39	38.7	10.0	70.0
43	108.6	77.9	137.9
46	6.4	0.0	36.7

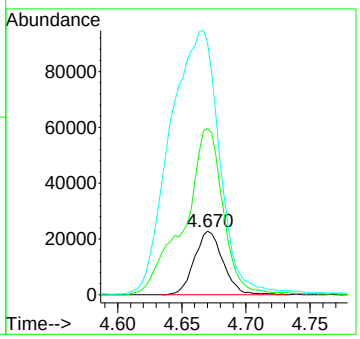


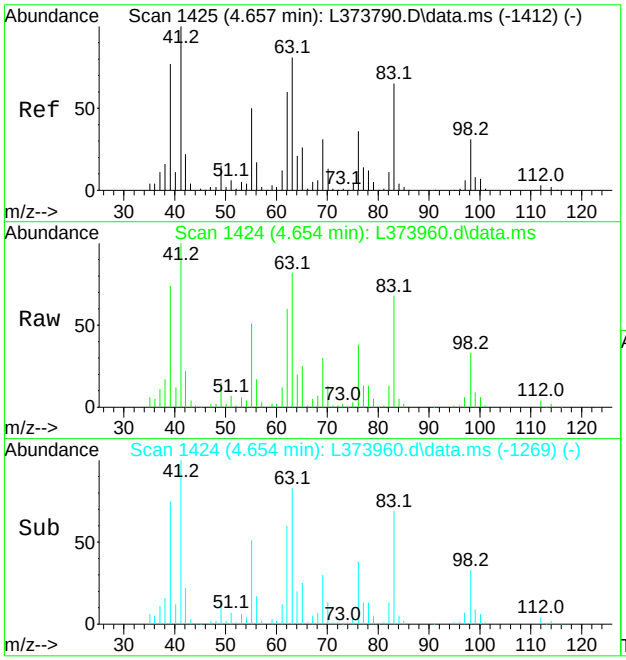


#63
methyl methacrylate
Concen: 48.3965 ug/L
RT: 4.670 min Scan# 1429
Delta R.T. -0.003 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion:100 Resp: 35569

Ion	Ratio	Lower	Upper
100	100		
69	257.1	221.2	281.2
41	389.1	360.4	420.4

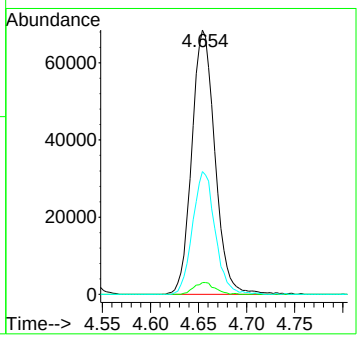


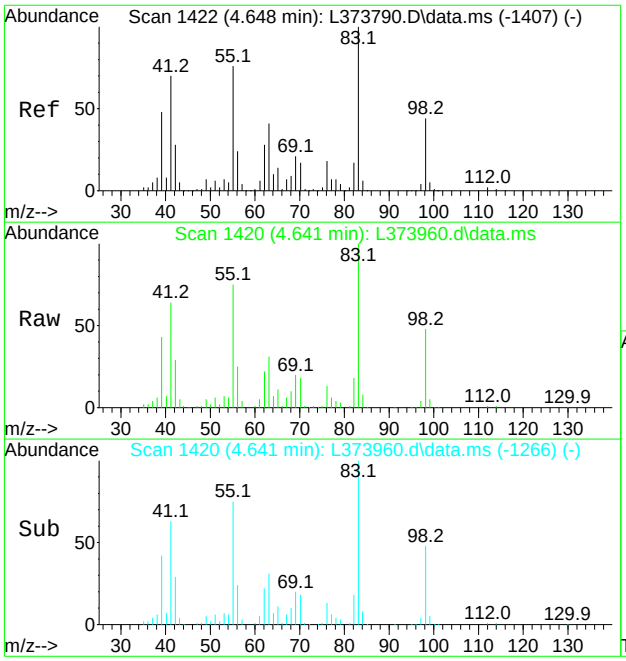


#64
1,2-dichloropropane
Concen: 51.1273 ug/L
RT: 4.654 min Scan# 1424
Delta R.T. -0.003 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 63 Resp: 114924

Ion	Ratio	Lower	Upper
63	100		
112	4.5	0.0	34.1
76	46.4	14.3	74.3

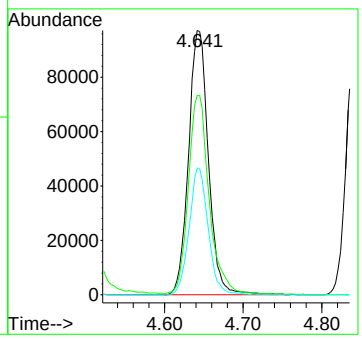


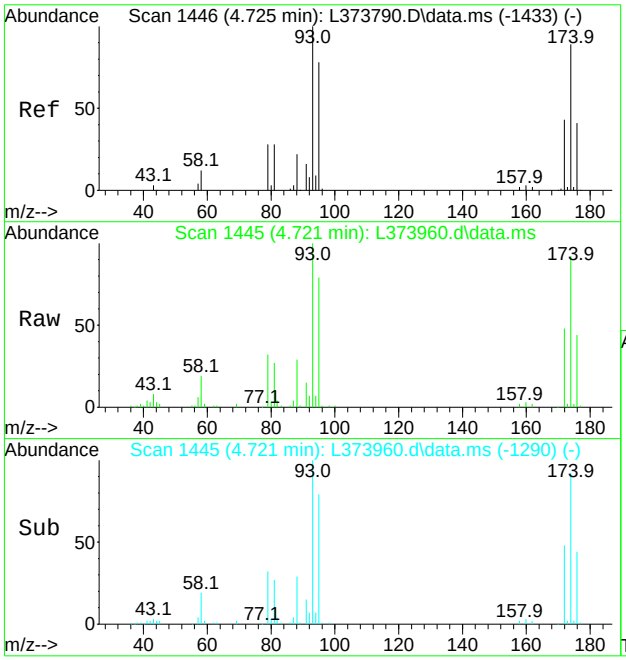


#65
methylcyclohexane
Concen: 56.1682 ug/L
RT: 4.641 min Scan# 1420
Delta R.T. -0.007 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 83 Resp: 170709

Ion	Ratio	Lower	Upper
83	100		
55	75.1	46.3	106.3
98	47.9	13.7	73.7

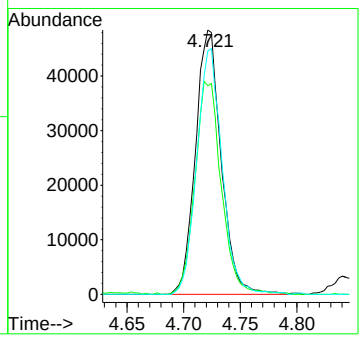


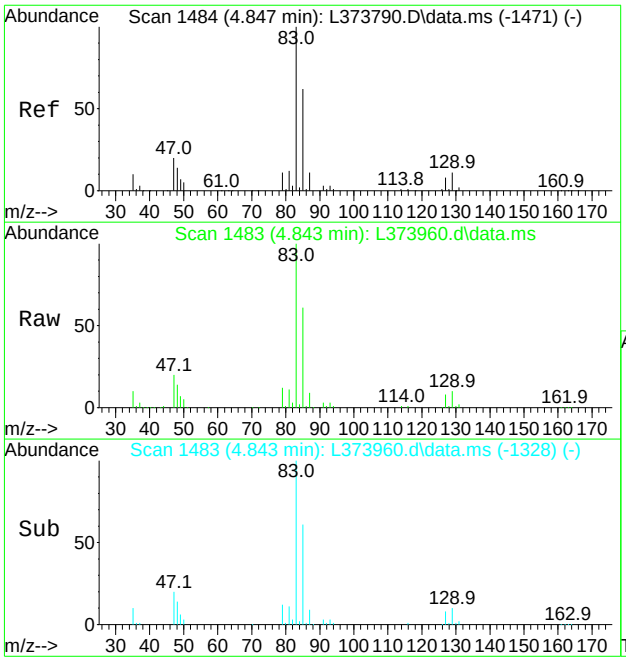


#66
dibromomethane
Concen: 49.5905 ug/L
RT: 4.721 min Scan# 1445
Delta R.T. -0.004 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 93 Resp: 76798

Ion	Ratio	Lower	Upper
93	100		
95	78.9	48.3	108.3
174	92.0	59.2	119.2

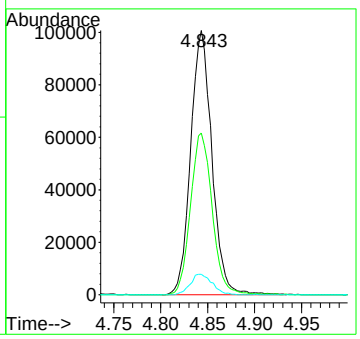


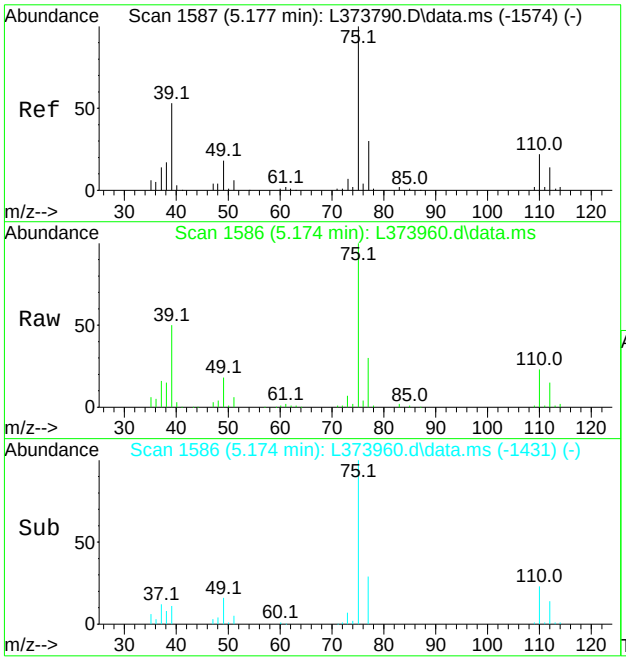


#67
bromodichloromethane
Concen: 49.4439 ug/L
RT: 4.843 min Scan# 1483
Delta R.T. -0.004 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 83 Resp: 158608

Ion	Ratio	Lower	Upper
83	100		
85	61.2	31.5	91.5
127	7.8	0.0	38.3

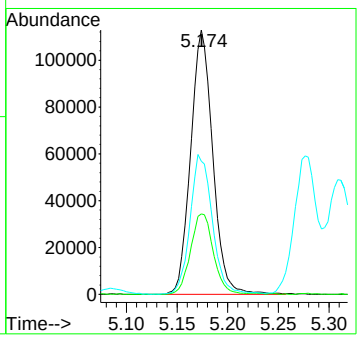


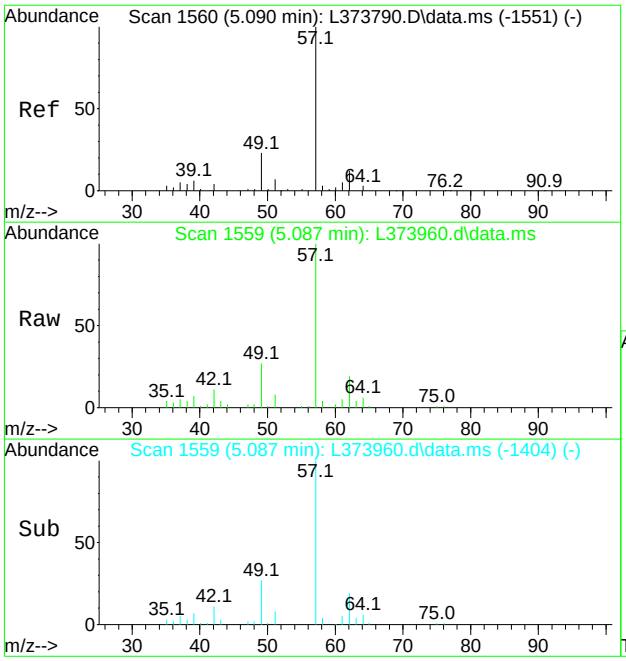


#68
cis-1,3-dichloropropene
Concen: 47.7773 ug/L
RT: 5.174 min Scan# 1586
Delta R.T. -0.003 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 75 Resp: 171801

Ion	Ratio	Lower	Upper
75	100		
77	30.4	0.1	60.1
39	50.1	23.1	83.1

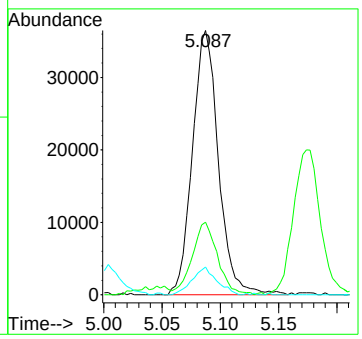


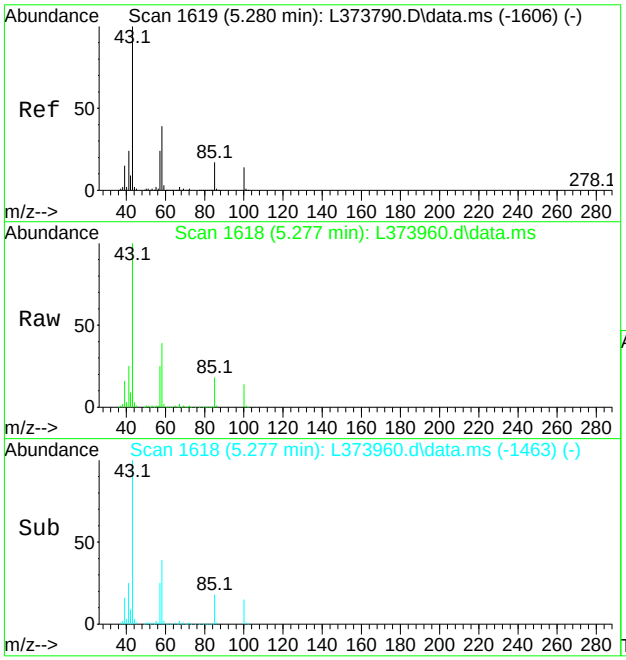


#69
epichlorohydrin
Concen: 123.5110 ug/L
RT: 5.087 min Scan# 1559
Delta R.T. -0.003 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 57 Resp: 56616

Ion	Ratio	Lower	Upper
57	100		
49	24.1	1.0	41.0
42	10.5	0.0	29.5

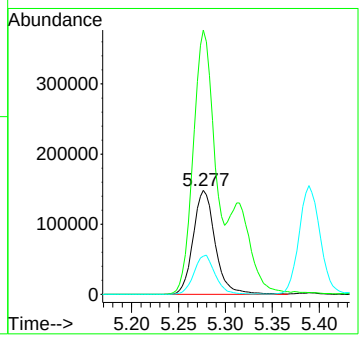


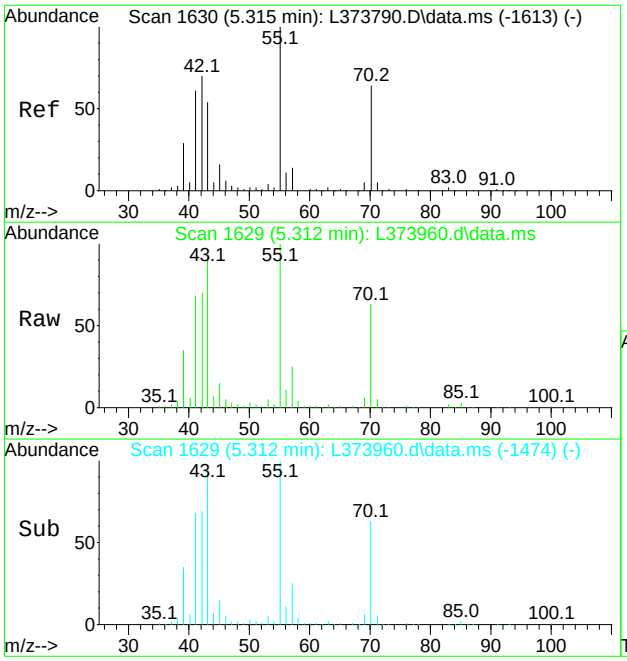


#70
4-methyl-2-pentanone
Concen: 171.5095 ug/L
RT: 5.277 min Scan# 1618
Delta R.T. -0.003 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 58 Resp: 242371

Ion	Ratio	Lower	Upper
58	100		
43	254.0	233.3	273.3
100	36.7	15.2	55.2

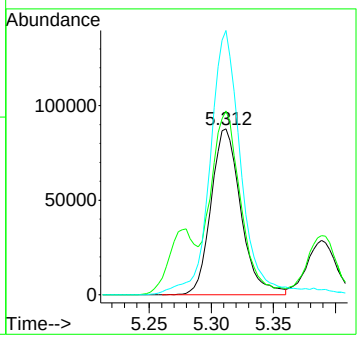


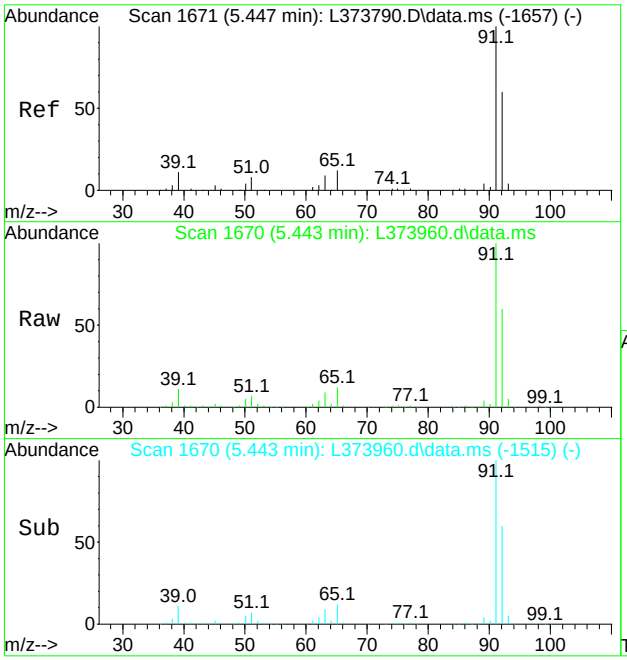


#71
3-methyl-1-butanol
Concen: 815.2966 ug/L
RT: 5.312 min Scan# 1629
Delta R.T. -0.003 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 70 Resp: 147479

Ion	Ratio	Lower	Upper
70	100		
42	107.0	94.2	134.2
55	157.3	137.5	177.5

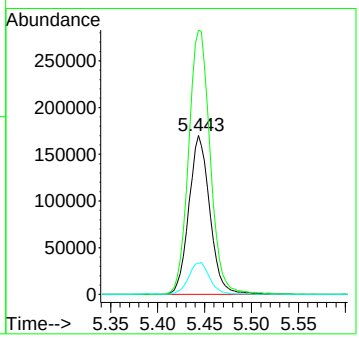


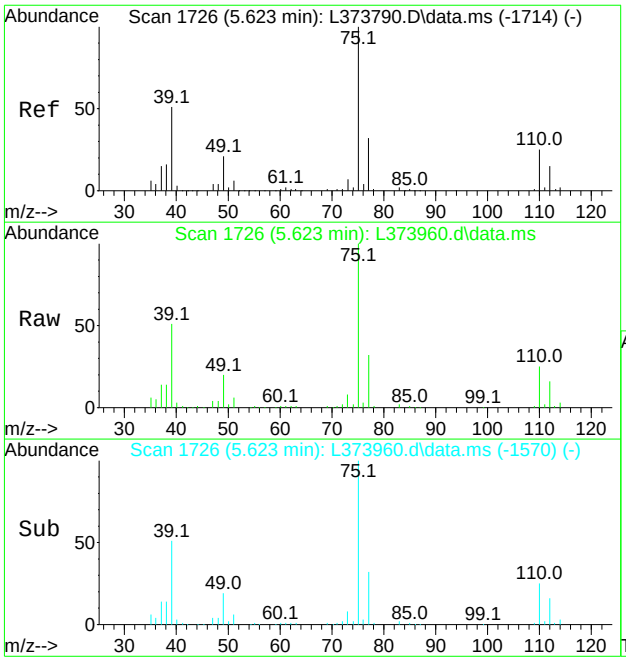


#74
toluene
Concen: 49.3240 ug/L
RT: 5.443 min Scan# 1670
Delta R.T. -0.004 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 92 Resp: 264268

Ion	Ratio	Lower	Upper
92	100		
91	166.5	136.7	196.7
65	19.4	0.0	50.8

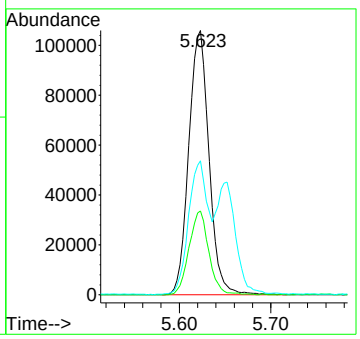


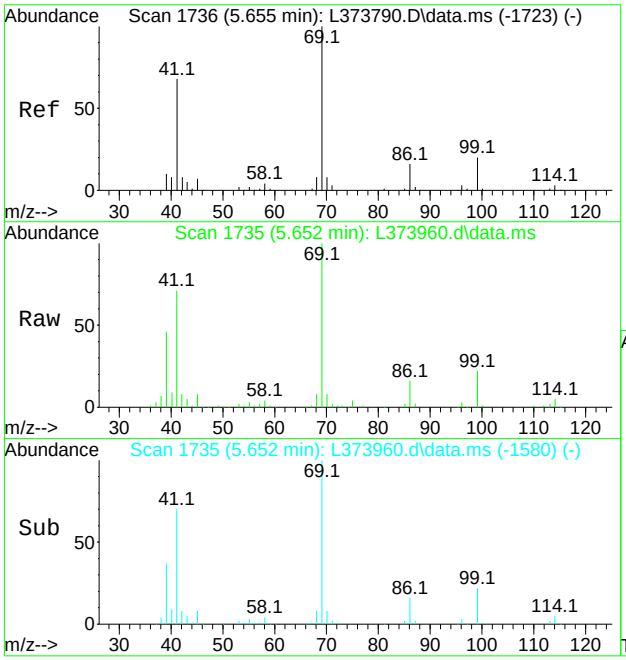


#75
trans-1,3-dichloropropene
Concen: 48.6953 ug/L
RT: 5.623 min Scan# 1726
Delta R.T. 0.000 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 75 Resp: 162669

Ion	Ratio	Lower	Upper
75	100		
77	31.7	1.7	61.7
39	50.5	20.7	80.7

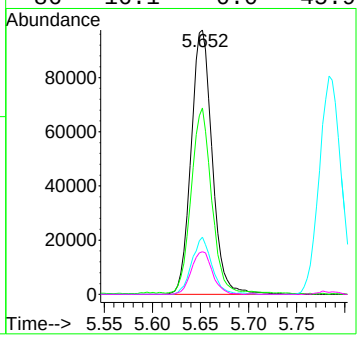


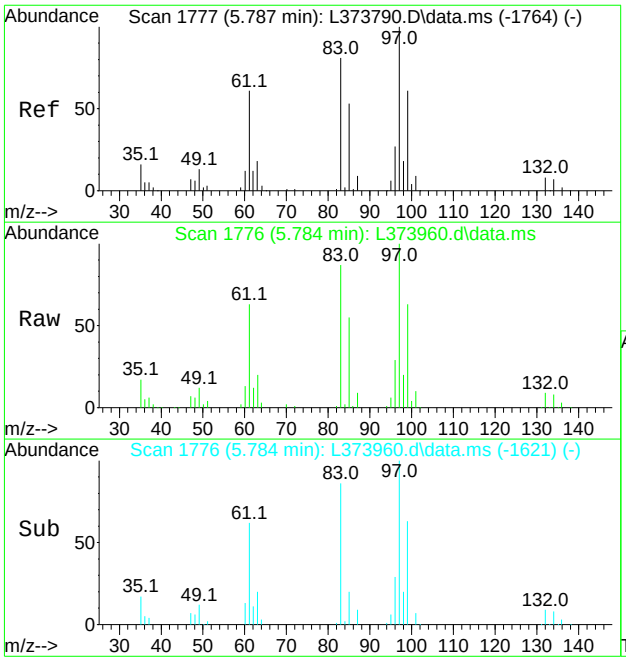


#76
ethyl methacrylate
Concen: 44.2281 ug/L
RT: 5.652 min Scan# 1735
Delta R.T. -0.003 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 69 Resp: 149282

Ion	Ratio	Lower	Upper
69	100		
41	69.9	38.9	98.9
99	21.7	0.0	50.4
86	16.1	0.0	45.9

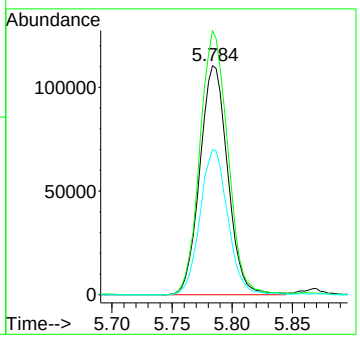


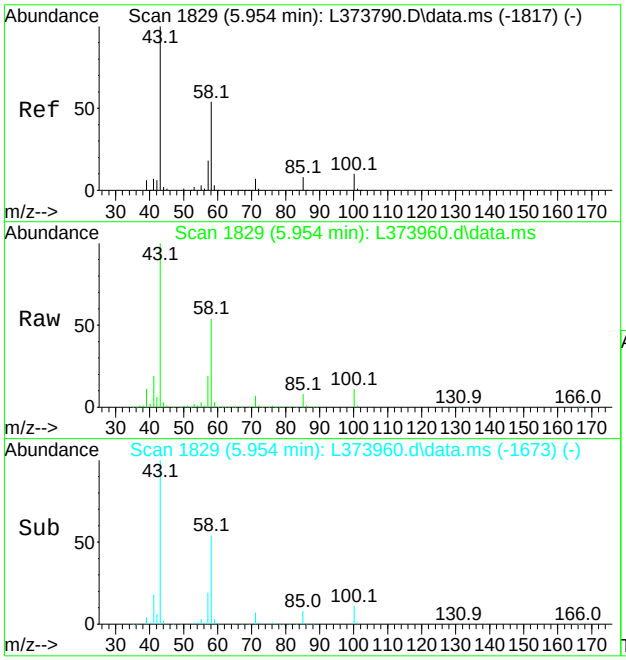


#77
1,1,2-trichloroethane
Concen: 100.2585 ug/L
RT: 5.784 min Scan# 1776
Delta R.T. -0.003 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 83 Resp: 178096

Ion	Ratio	Lower	Upper
83	100		
97	115.4	93.6	153.6
85	63.3	35.4	95.4

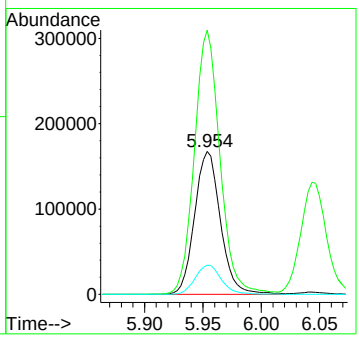


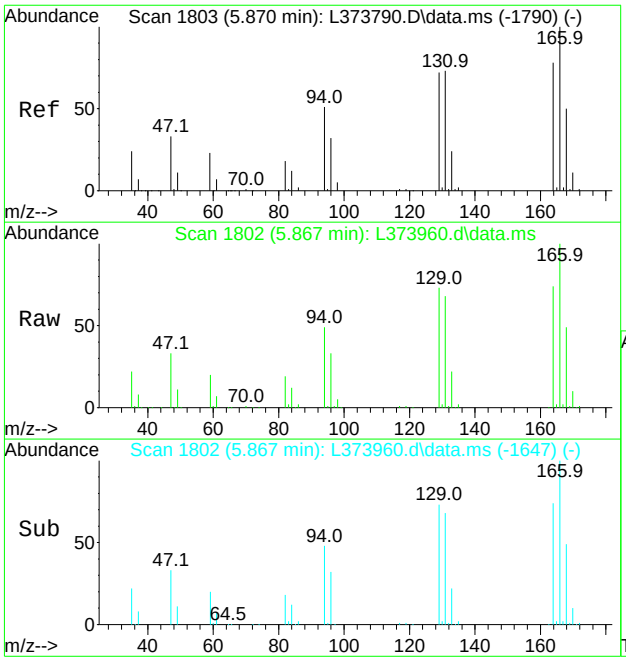


#78
2-hexanone
Concen: 169.9044 ug/L
RT: 5.954 min Scan# 1829
Delta R.T. -0.000 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 58 Resp: 258691

Ion	Ratio	Lower	Upper
58	100		
43	184.5	154.6	214.6
100	20.4	0.0	49.0

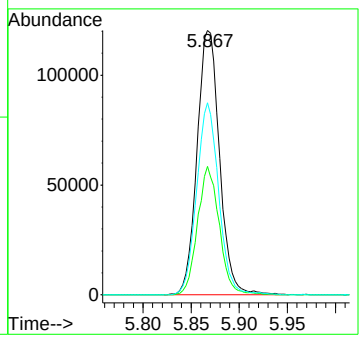


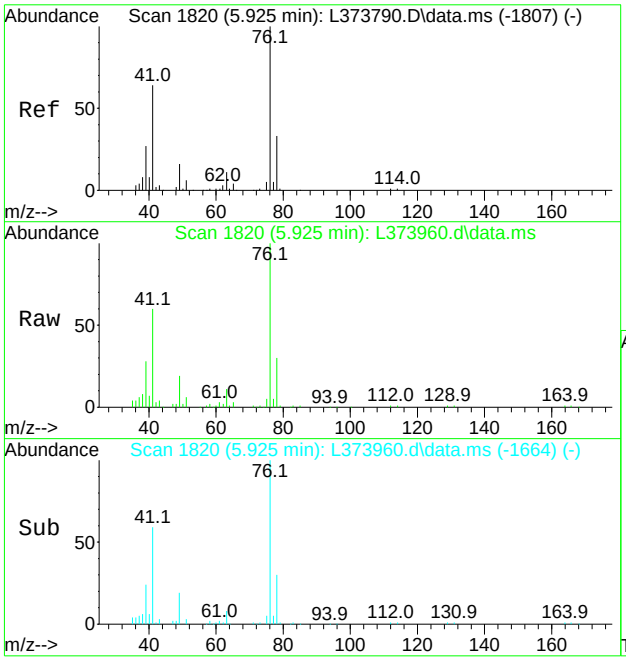


#79
tetrachloroethene
Concen: 91.1592 ug/L
RT: 5.867 min Scan# 1802
Delta R.T. -0.003 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion:166 Resp: 196181

Ion	Ratio	Lower	Upper
166	100		
168	48.5	19.7	79.7
129	72.6	42.4	102.4

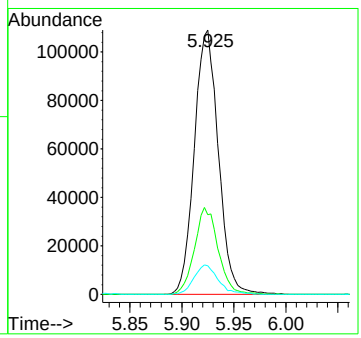


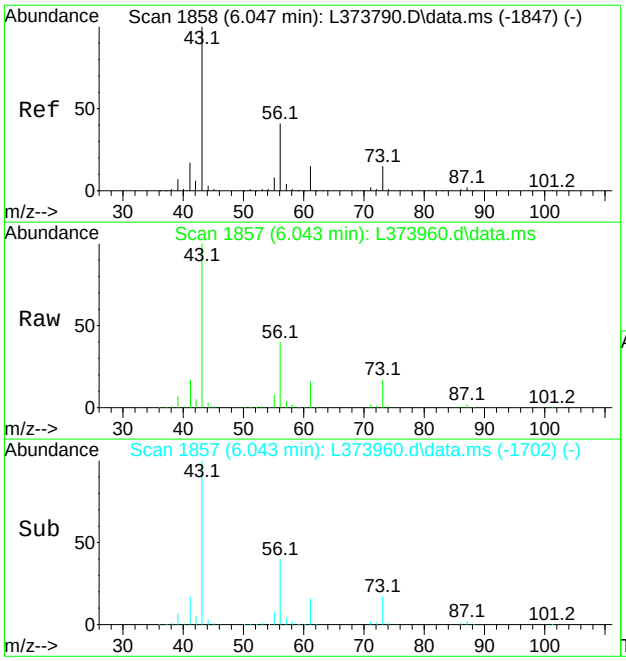


#80
1,3-dichloropropane
Concen: 51.3482 ug/L
RT: 5.925 min Scan# 1820
Delta R.T. -0.000 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 76 Resp: 175788

Ion	Ratio	Lower	Upper
76	100		
78	30.1	2.7	62.7
63	10.9	0.0	41.2

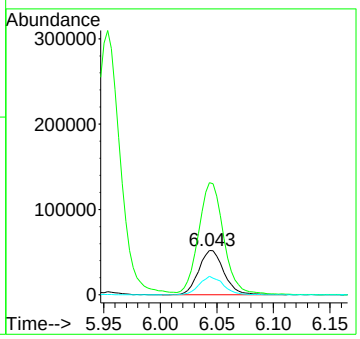


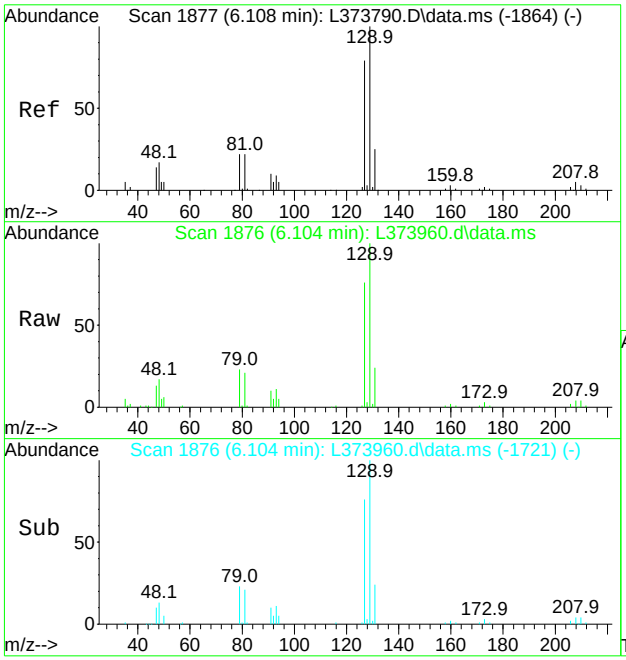


#81
butyl acetate
Concen: 40.0902 ug/L
RT: 6.043 min Scan# 1857
Delta R.T. -0.004 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 56 Resp: 80433

Ion	Ratio	Lower	Upper
56	100		
43	250.8	218.3	278.3
73	41.7	7.2	67.2

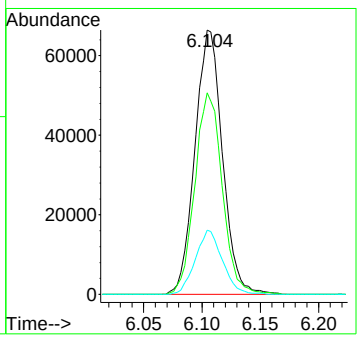


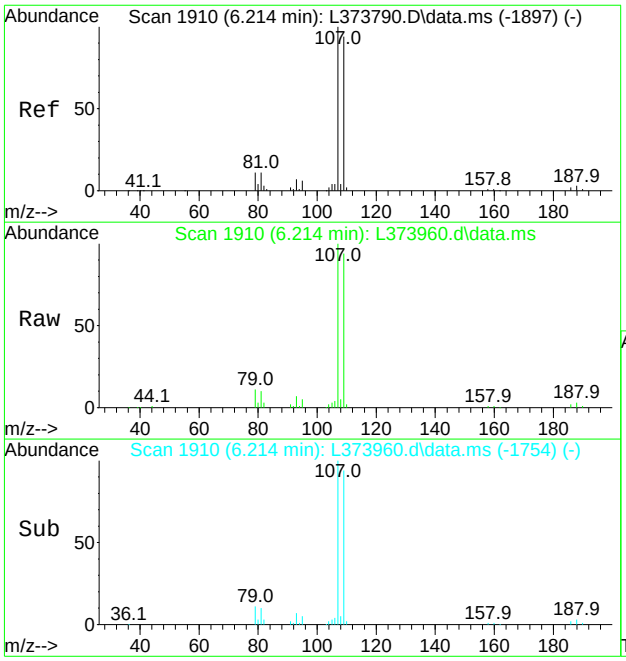


#82
dibromochloromethane
Concen: 47.6770 ug/L
RT: 6.104 min Scan# 1876
Delta R.T. -0.004 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion:129 Resp: 109234

Ion	Ratio	Lower	Upper
129	100		
127	76.2	49.0	109.0
131	24.3	0.0	54.6

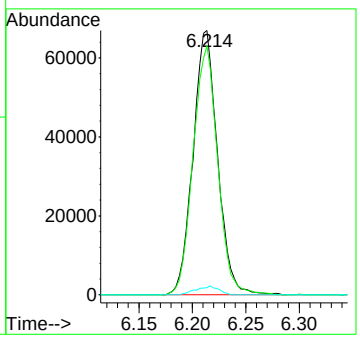


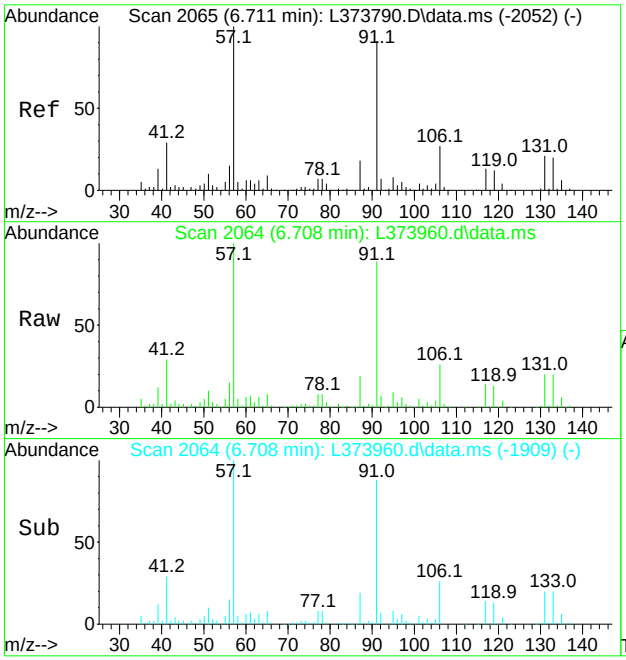


#83
1,2-dibromoethane
Concen: 49.4873 ug/L
RT: 6.214 min Scan# 1910
Delta R.T. -0.000 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion:107 Resp: 106804

Ion	Ratio	Lower	Upper
107	100		
109	94.1	63.9	123.9
188	2.7	0.0	33.4

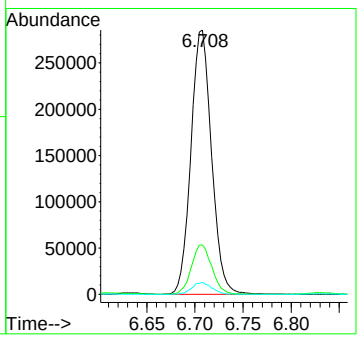


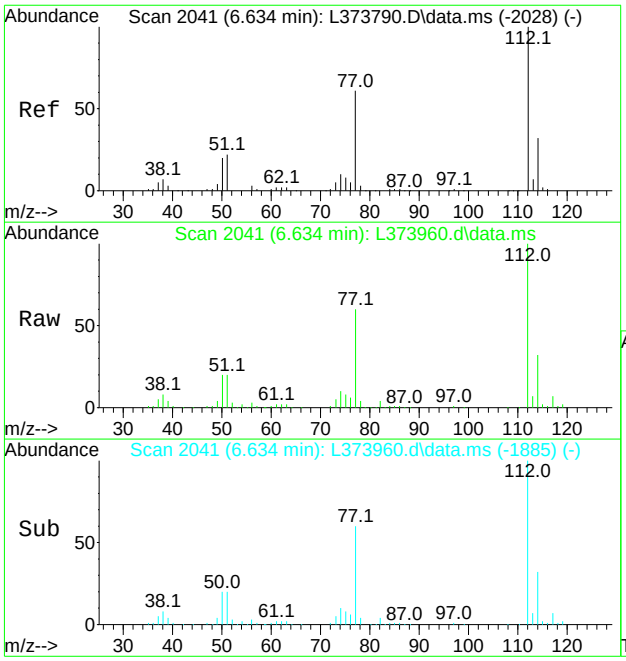


#84
n-butyl ether
Concen: 47.2893 ug/L
RT: 6.708 min Scan# 2064
Delta R.T. -0.003 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 57 Resp: 426501

Ion	Ratio	Lower	Upper
57	100		
87	18.7	0.0	47.8
101	4.6	0.0	34.2

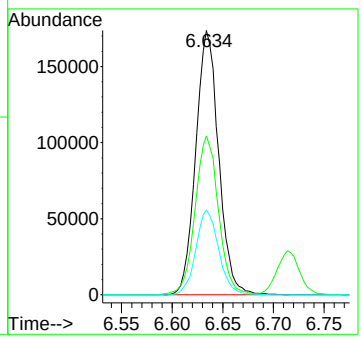


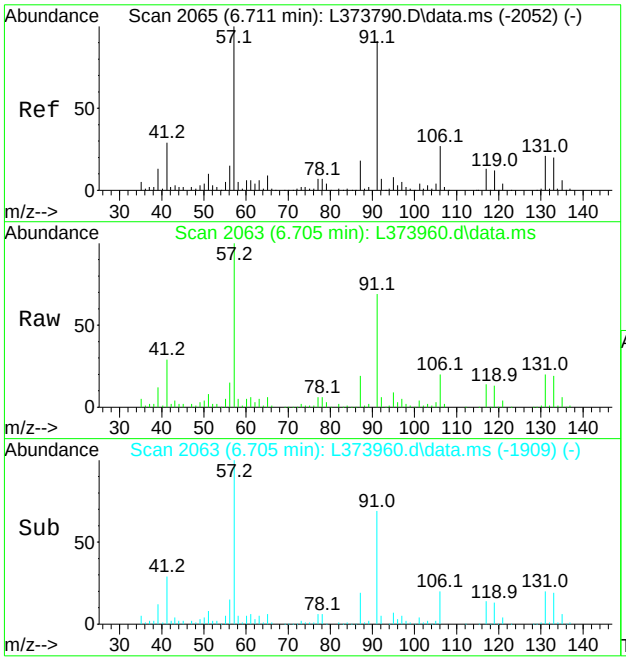


#85
chlorobenzene
Concen: 48.6153 ug/L
RT: 6.634 min Scan# 2041
Delta R.T. -0.000 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion:112 Resp: 273486

Ion	Ratio	Lower	Upper
112	100		
77	59.7	30.8	90.8
114	32.2	2.4	62.4

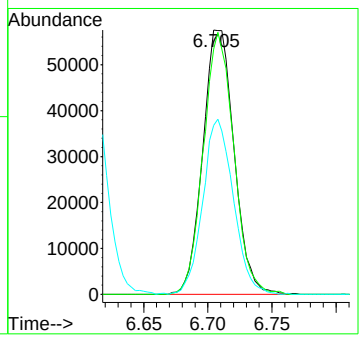


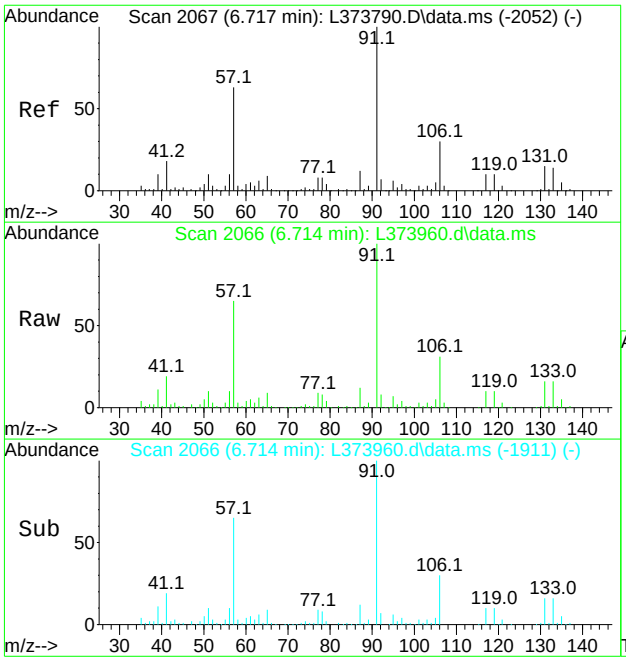


#86
1,1,1,2-tetrachloroethane
Concen: 51.5349 ug/L
RT: 6.705 min Scan# 2063
Delta R.T. -0.006 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion:131 Resp: 98106

Ion	Ratio	Lower	Upper
131	100		
133	92.8	65.1	125.1
119	63.5	30.8	90.8

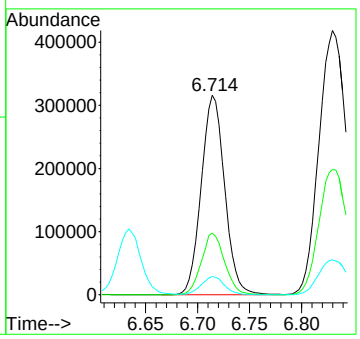


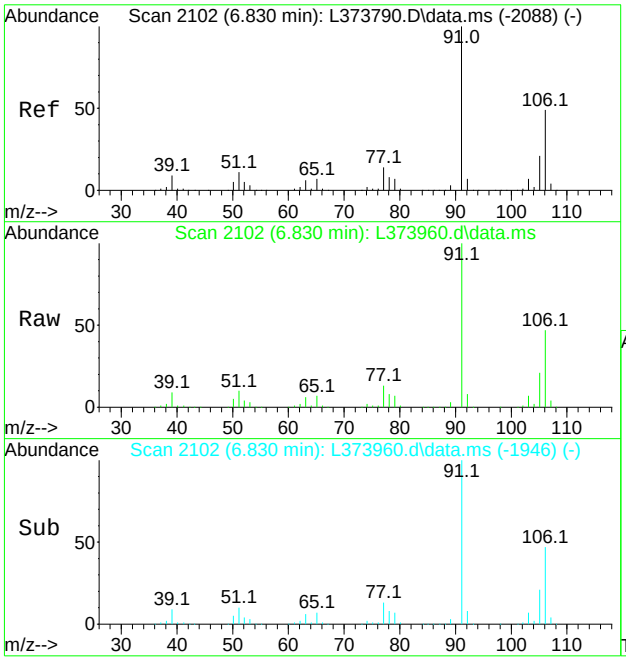


#87
ethylbenzene
Concen: 50.5937 ug/L
RT: 6.714 min Scan# 2066
Delta R.T. -0.003 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 91 Resp: 496566

Ion	Ratio	Lower	Upper
91	100		
106	31.0	0.1	60.1
77	9.2	0.0	38.6

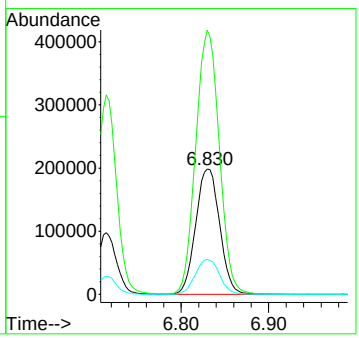


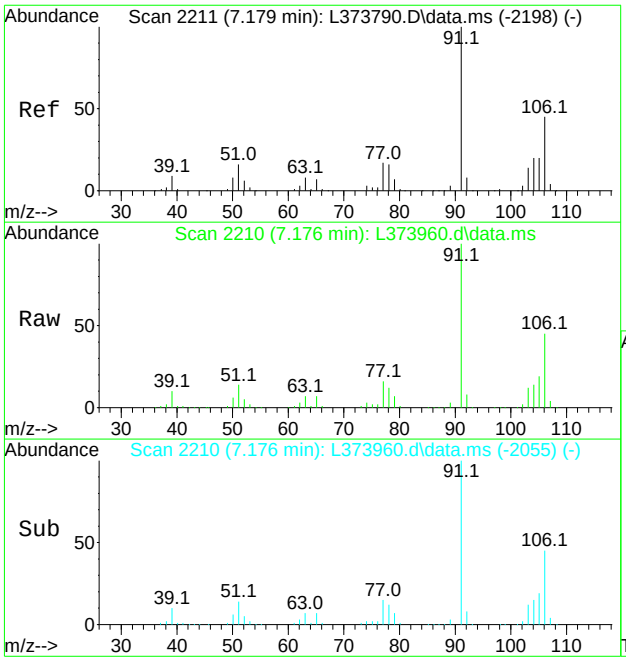


#88
m,p-xylene
Concen: 100.3629 ug/L
RT: 6.830 min Scan# 2102
Delta R.T. -0.000 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion:106 Resp: 379360

Ion	Ratio	Lower	Upper
106	100		
91	210.7	175.7	235.7
77	28.0	8.1	48.1

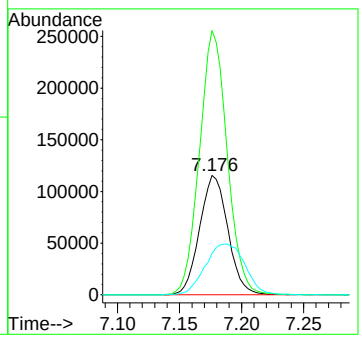


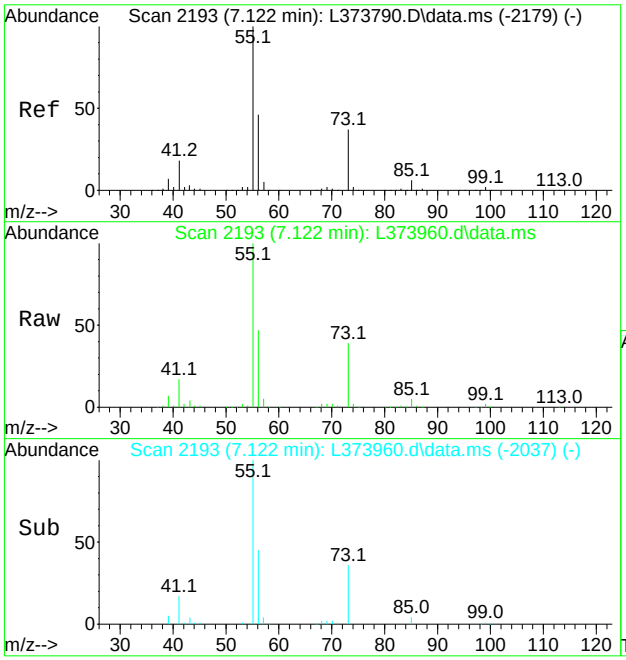


#89
o-xylene
Concen: 49.4966 ug/L
RT: 7.176 min Scan# 2210
Delta R.T. -0.003 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion:106 Resp: 182939

Ion	Ratio	Lower	Upper
106	100		
91	221.4	194.5	254.5
77	34.7	18.1	58.1

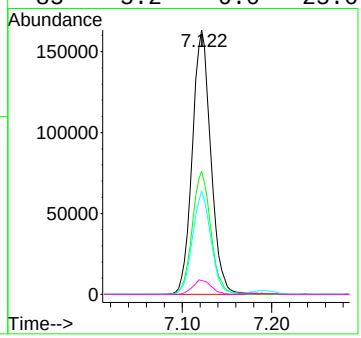


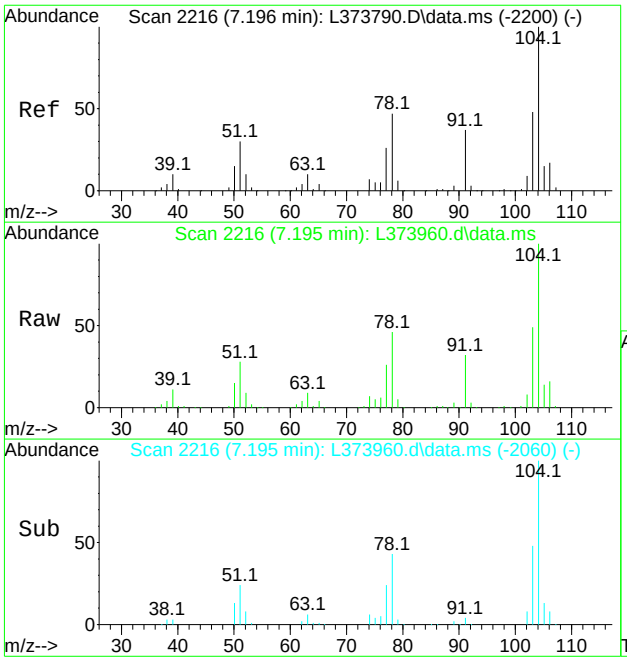


#90
butyl acrylate
Concen: 43.6108 ug/L
RT: 7.122 min Scan# 2193
Delta R.T. -0.000 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 55 Resp: 235772

Ion	Ratio	Lower	Upper
55	100		
56	46.6	26.3	66.3
73	39.1	17.5	57.5
85	5.2	0.0	25.6

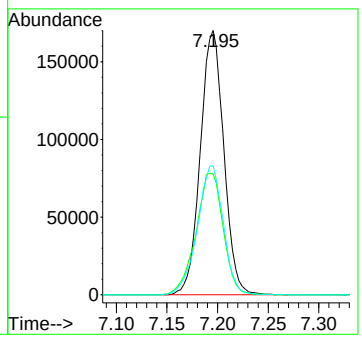


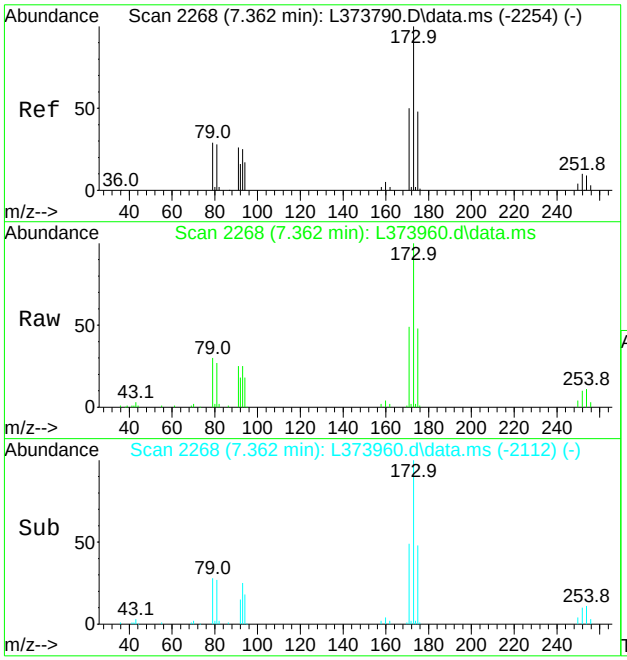


#91
styrene
Concen: 44.3387 ug/L
RT: 7.195 min Scan# 2216
Delta R.T. -0.001 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion:104 Resp: 274777

Ion	Ratio	Lower	Upper
104	100		
78	45.7	16.8	76.8
103	48.7	17.7	77.7

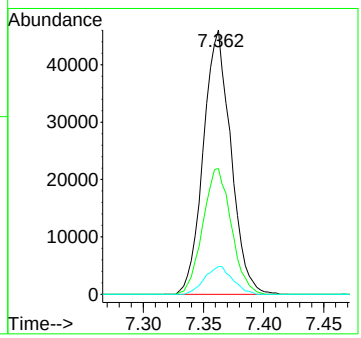


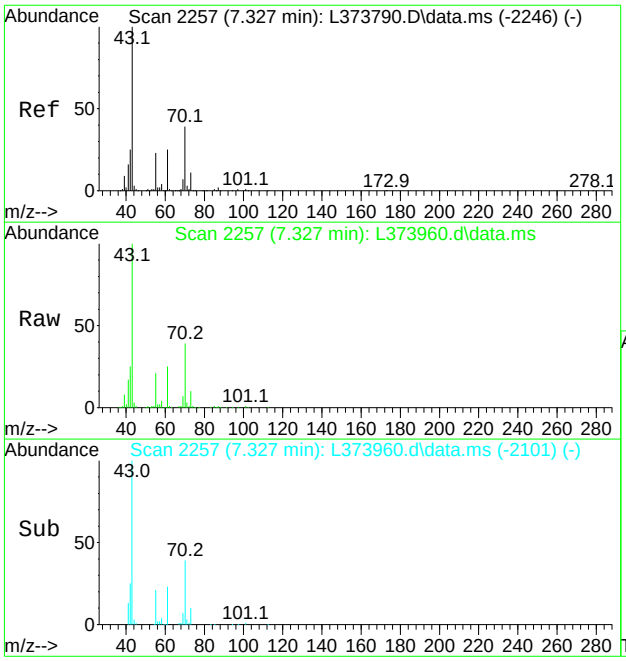


#92
bromoform
Concen: 45.0074 ug/L
RT: 7.362 min Scan# 2268
Delta R.T. 0.000 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion:173 Resp: 73284

Ion	Ratio	Lower	Upper
173	100		
175	47.6	17.8	77.8
254	10.6	0.0	39.4

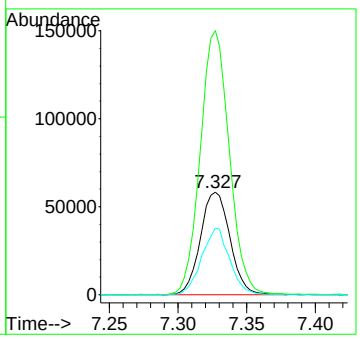


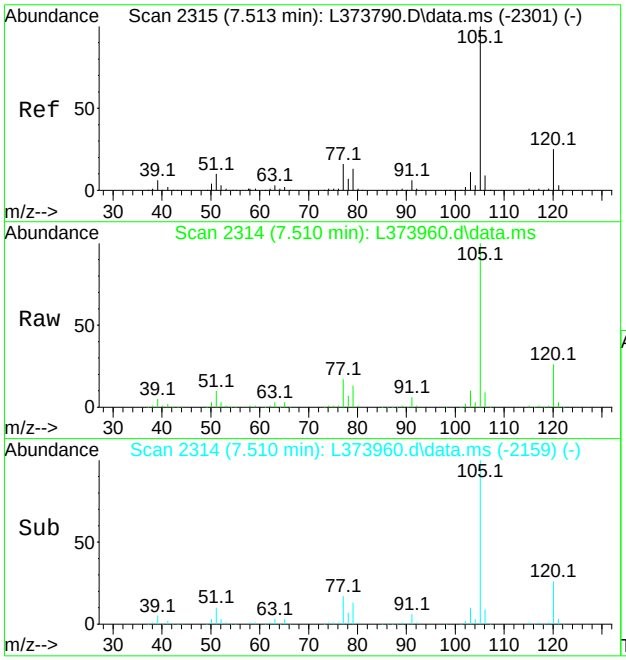


#93
n-amyl acetate
Concen: 43.2299 ug/L
RT: 7.327 min Scan# 2257
Delta R.T. 0.000 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 70 Resp: 87464

Ion	Ratio	Lower	Upper
70	100		
43	257.9	233.4	273.4
61	65.0	42.6	82.6

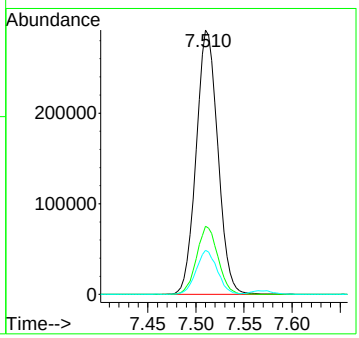


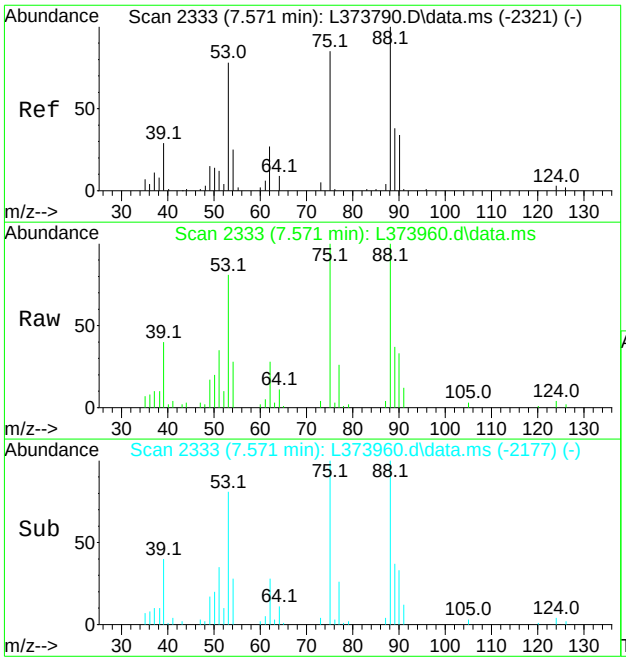


#94
isopropylbenzene
Concen: 51.1748 ug/L
RT: 7.510 min Scan# 2314
Delta R.T. -0.003 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion:105 Resp: 456517

Ion	Ratio	Lower	Upper
105	100		
120	25.8	5.2	45.2
77	16.7	0.0	36.2

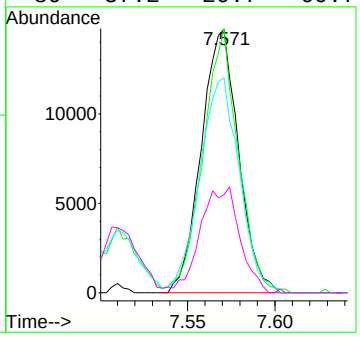


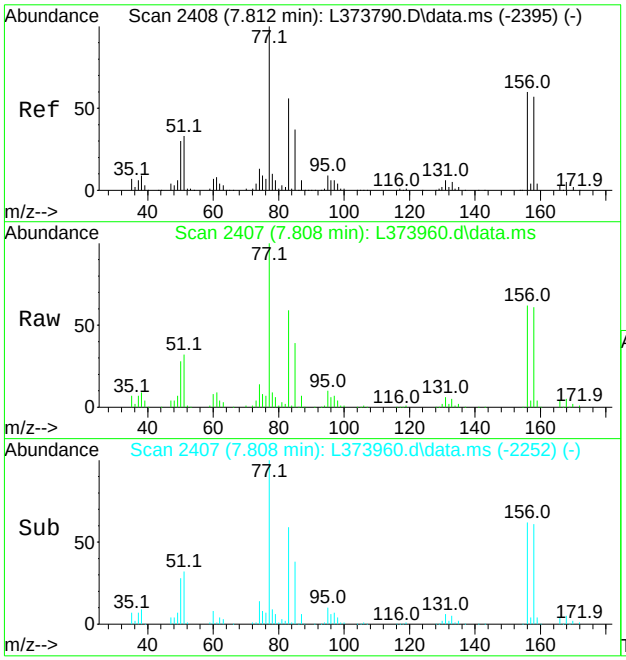


#95
cis-1,4-dichloro-2-butene
Concen: 28.7547 ug/L
RT: 7.571 min Scan# 2333
Delta R.T. -0.000 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 88 Resp: 21837

Ion	Ratio	Lower	Upper
88	100		
75	98.9	66.5	106.5
53	81.6	59.7	99.7
89	37.2	20.7	60.7

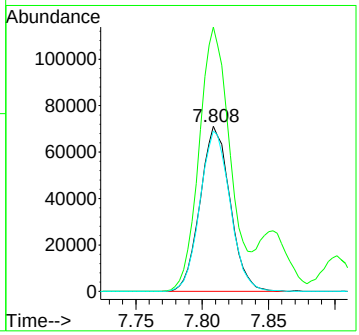


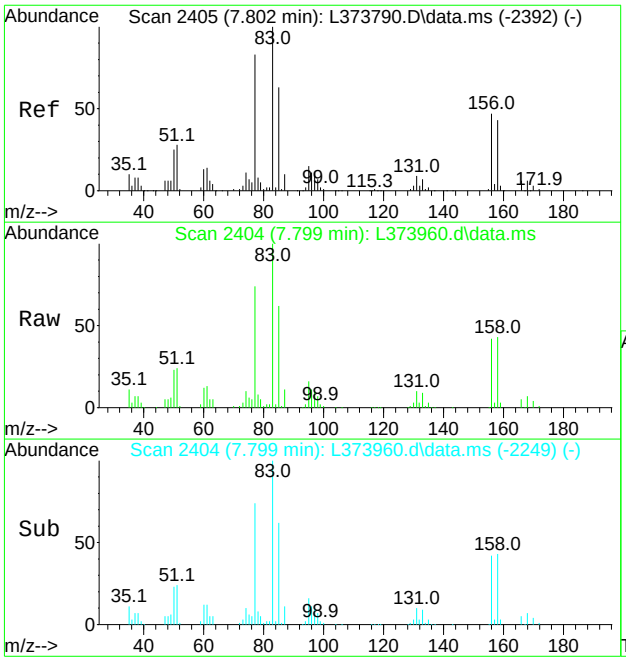


#98
bromobenzene
Concen: 48.2937 ug/L
RT: 7.808 min Scan# 2407
Delta R.T. -0.004 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion:156 Resp: 111567

Ion	Ratio	Lower	Upper
156	100		
77	160.3	137.0	197.0
158	97.2	65.5	125.5

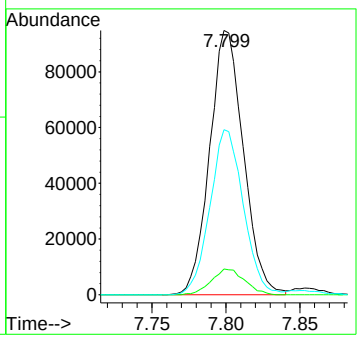


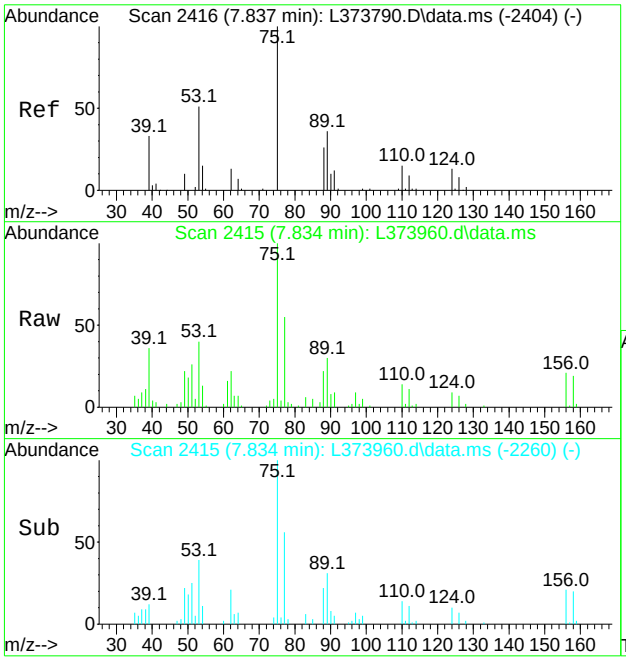


#99
1,1,2,2-tetrachloroethane
Concen: 42.8663 ug/L
RT: 7.799 min Scan# 2404
Delta R.T. -0.003 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 83 Resp: 150020

Ion	Ratio	Lower	Upper
83	100		
131	9.7	0.0	38.9
85	62.4	33.3	93.3

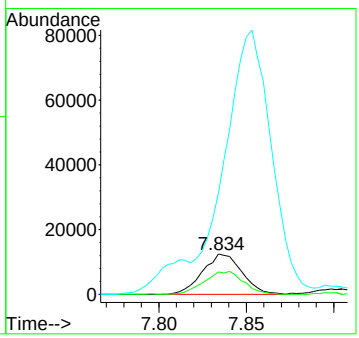


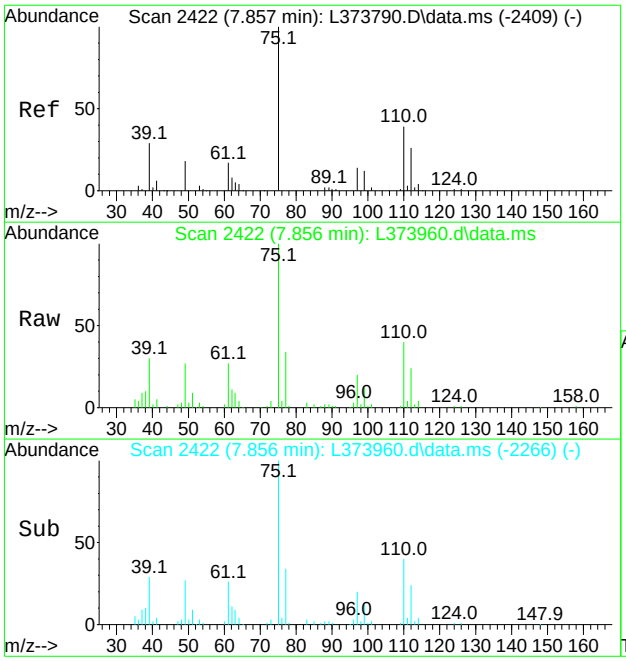


#100
trans-1,4-dichloro-2-butene
Concen: 27.8578 ug/L
RT: 7.834 min Scan# 2415
Delta R.T. -0.003 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 53 Resp: 19543

Ion	Ratio	Lower	Upper
53	100		
88	55.4	21.0	81.0
75	185.7	165.8	225.8

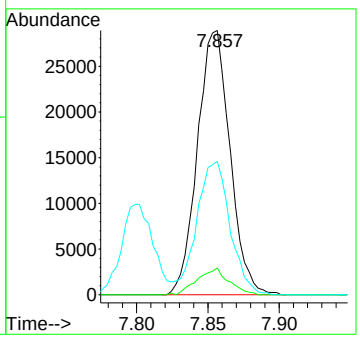


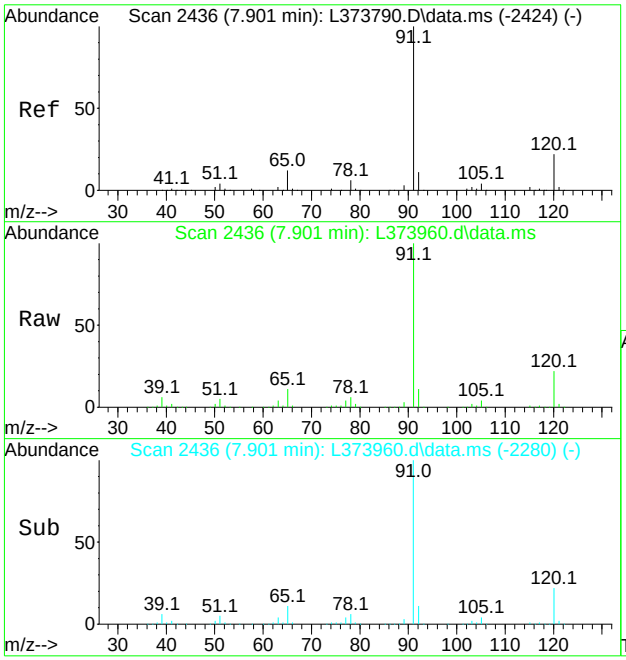


#101
1,2,3-trichloropropane
Concen: 44.0130 ug/L
RT: 7.856 min Scan# 2422
Delta R.T. -0.001 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion:110 Resp: 46030

Ion	Ratio	Lower	Upper
110	100		
111	10.2	0.0	38.4
97	50.5	22.5	82.5

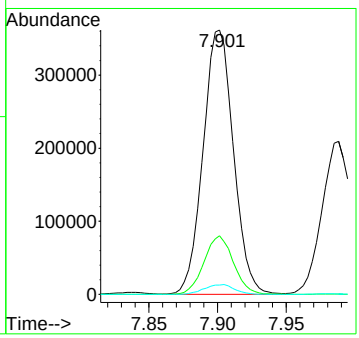


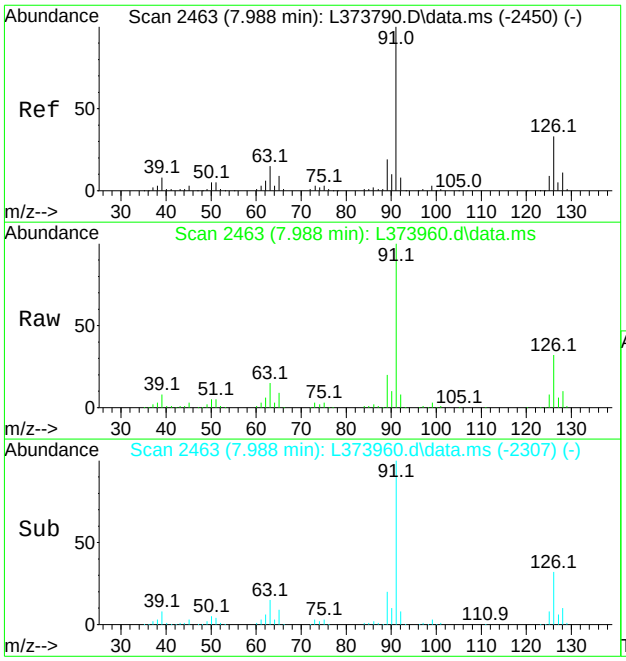


#102
n-propylbenzene
Concen: 49.9257 ug/L
RT: 7.901 min Scan# 2436
Delta R.T. 0.000 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 91 Resp: 557427

Ion	Ratio	Lower	Upper
91	100		
120	22.2	0.0	51.5
105	3.5	0.0	33.7

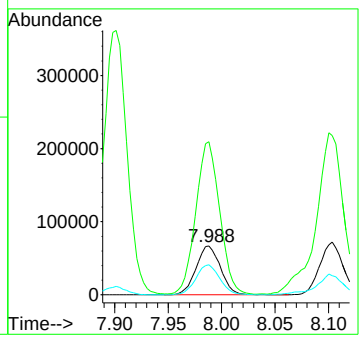


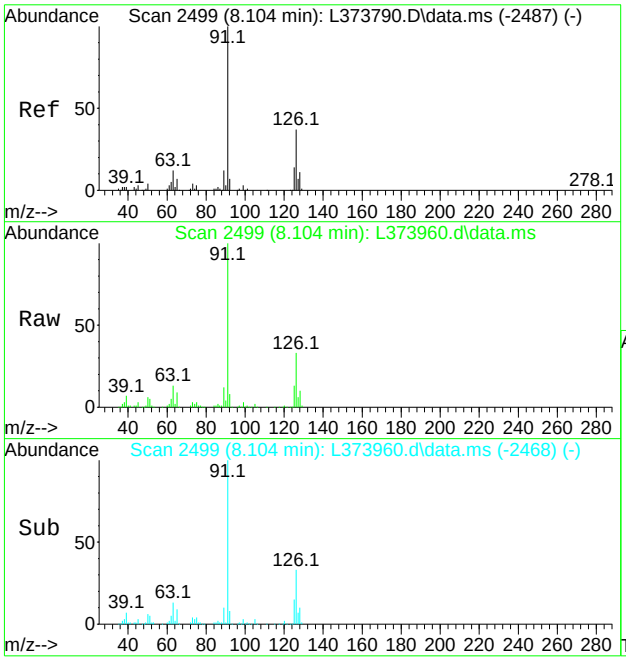


#103
2-chlorotoluene
Concen: 48.9562 ug/L
RT: 7.988 min Scan# 2463
Delta R.T. 0.000 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion:126 Resp: 106072

Ion	Ratio	Lower	Upper
126	100		
91	310.9	276.4	336.4
89	61.6	28.8	88.8

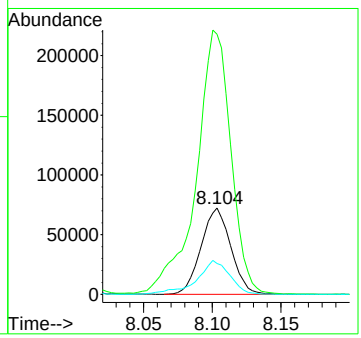


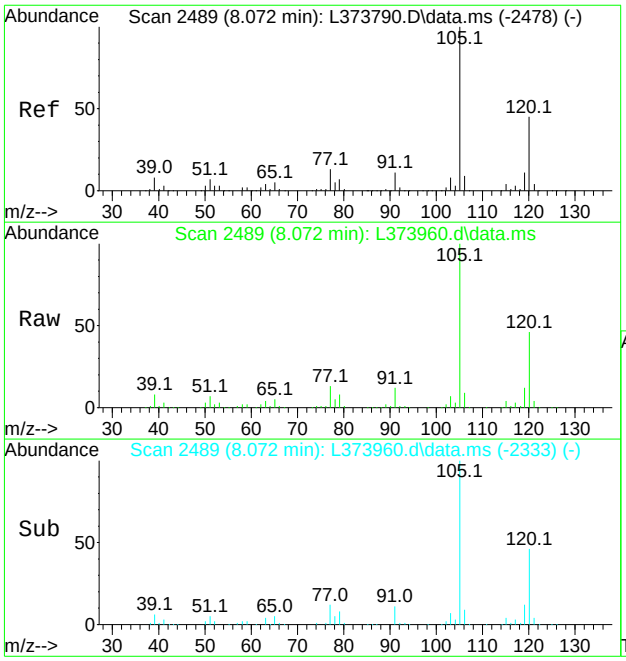


#104
4-chlorotoluene
Concen: 47.4722 ug/L
RT: 8.104 min Scan# 2499
Delta R.T. -0.000 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion:126 Resp: 109095

Ion	Ratio	Lower	Upper
126	100		
91	300.9	265.5	325.5
89	36.0	5.5	65.5

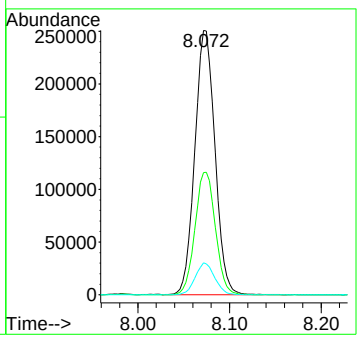


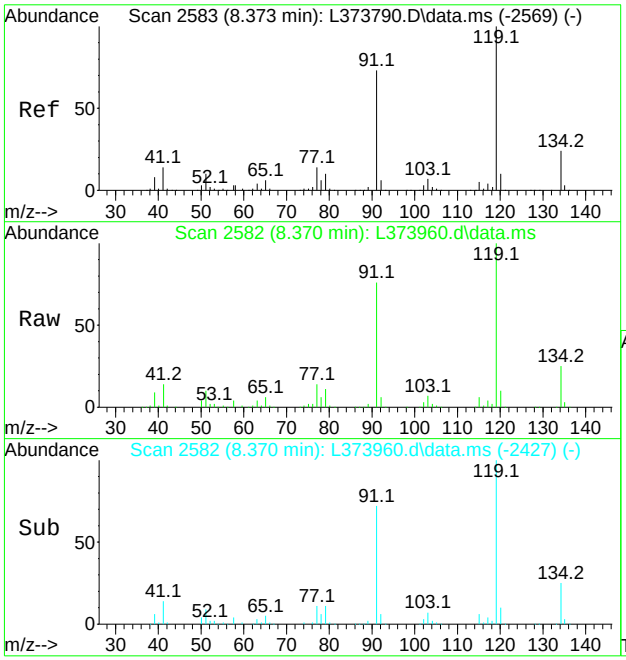


#105
1,3,5-trimethylbenzene
Concen: 49.3063 ug/L
RT: 8.072 min Scan# 2489
Delta R.T. -0.000 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion:105 Resp: 383193

Ion	Ratio	Lower	Upper
105	100		
120	46.3	14.9	74.9
119	12.1	0.0	40.8

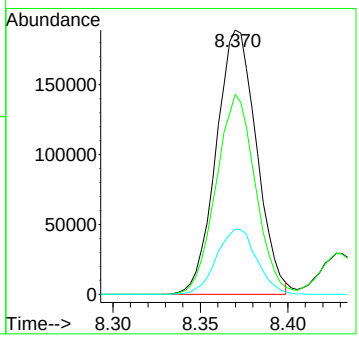


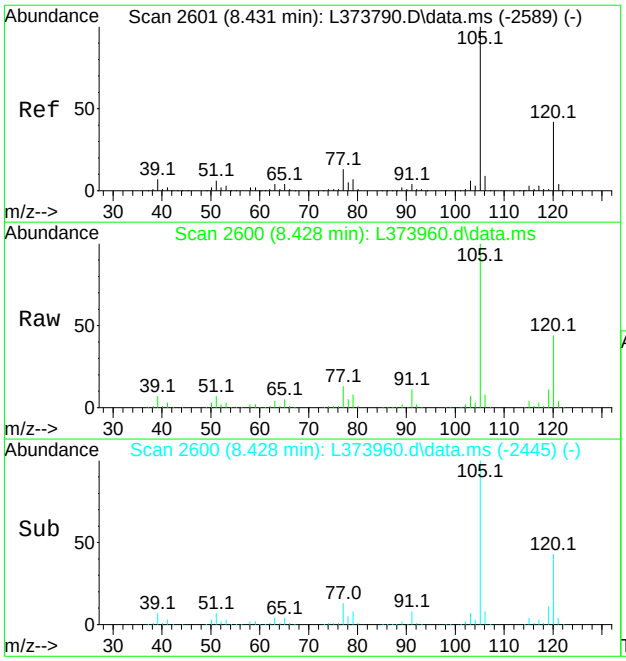


#106
tert-butylbenzene
Concen: 49.4994 ug/L
RT: 8.370 min Scan# 2582
Delta R.T. -0.003 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion:119 Resp: 303453

Ion	Ratio	Lower	Upper
119	100		
91	75.7	42.9	102.9
134	24.7	0.0	54.4

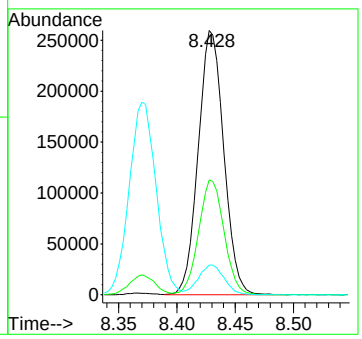


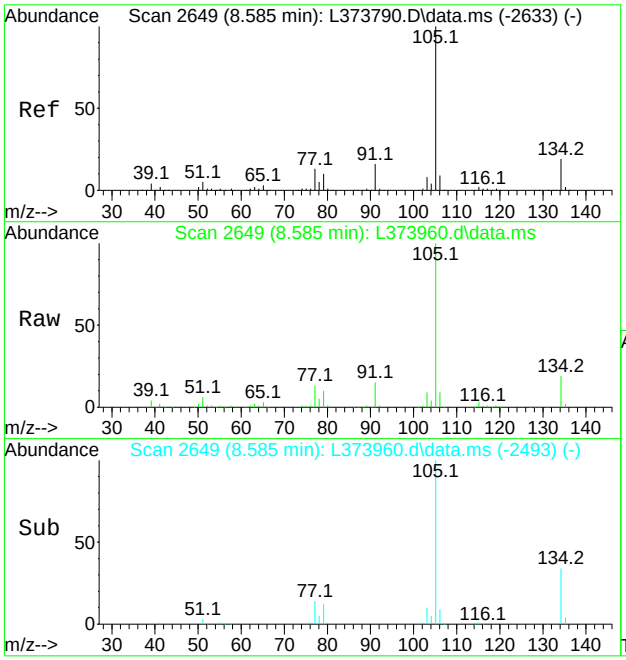


#107
1,2,4-trimethylbenzene
Concen: 50.3917 ug/L
RT: 8.428 min Scan# 2600
Delta R.T. -0.003 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion:105 Resp: 395600

Ion	Ratio	Lower	Upper
105	100		
120	43.5	13.1	73.1
119	11.3	0.0	41.9

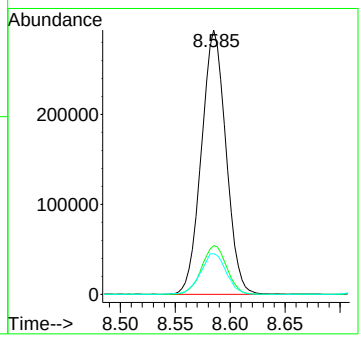


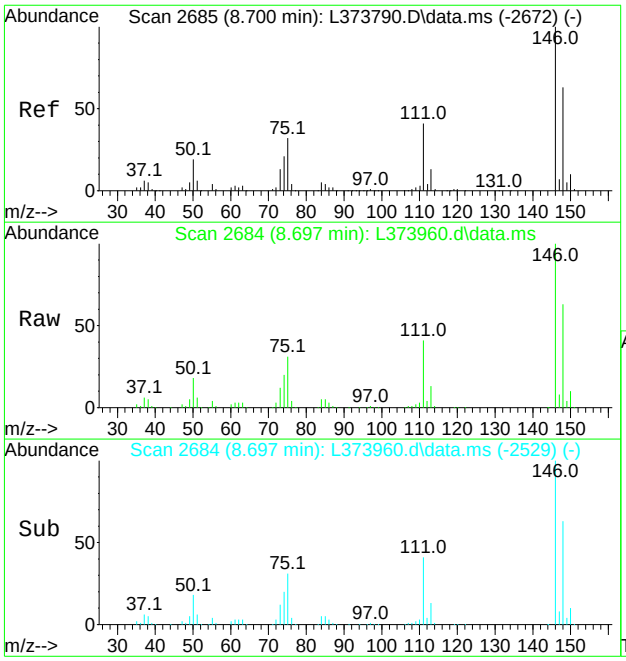


#108
sec-butylbenzene
Concen: 51.3293 ug/L
RT: 8.585 min Scan# 2649
Delta R.T. -0.000 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion:105 Resp: 456812

Ion	Ratio	Lower	Upper
105	100		
134	18.5	0.0	48.8
91	15.4	0.0	45.9

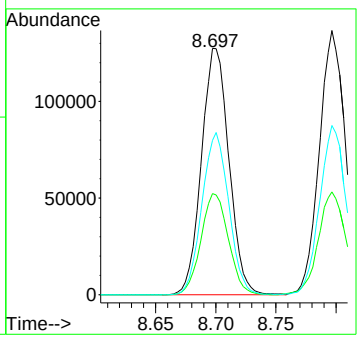


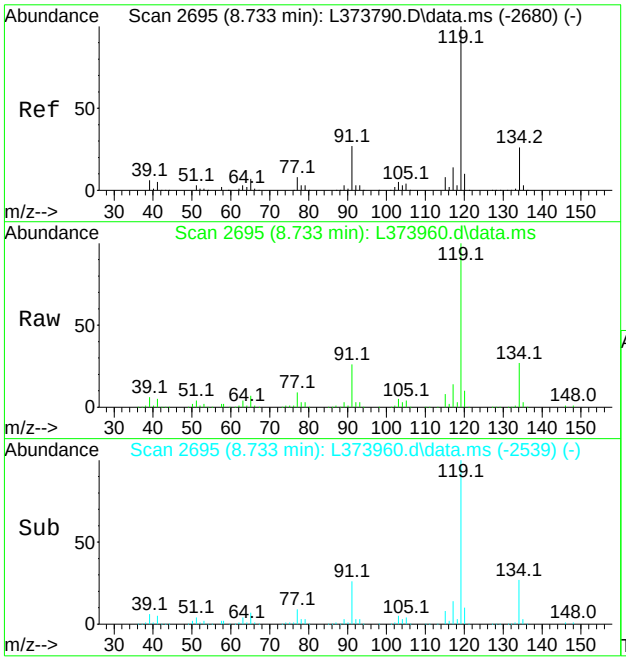


#109
1,3-dichlorobenzene
Concen: 47.4931 ug/L
RT: 8.697 min Scan# 2684
Delta R.T. -0.003 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion:146 Resp: 202905

Ion	Ratio	Lower	Upper
146	100		
111	41.1	11.0	71.0
148	62.7	33.0	93.0

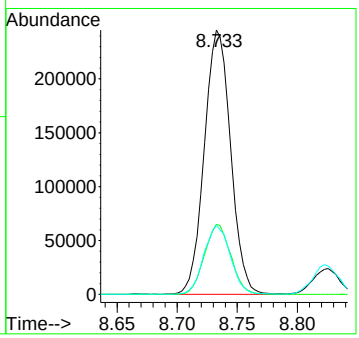


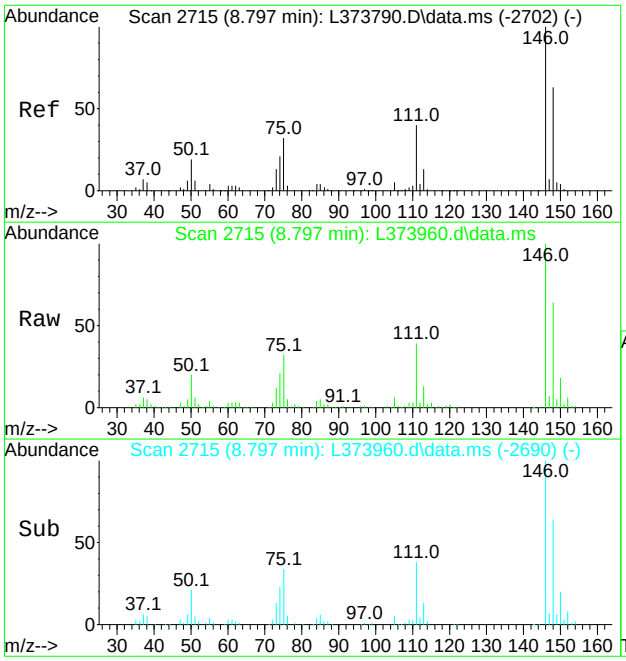


#110
p-isopropyltoluene
Concen: 50.8443 ug/L
RT: 8.733 min Scan# 2695
Delta R.T. -0.000 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion:119 Resp: 374090

Ion	Ratio	Lower	Upper
119	100		
134	26.5	0.0	56.5
91	26.2	0.0	56.9

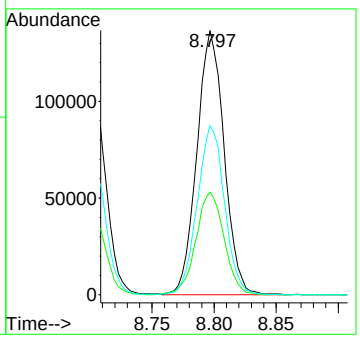


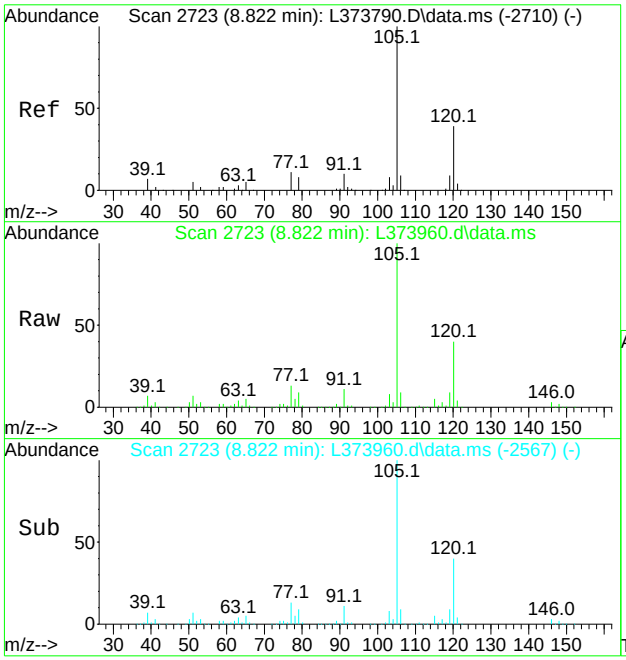


#111
1,4-dichlorobenzene
Concen: 47.2645 ug/L
RT: 8.797 min Scan# 2715
Delta R.T. -0.000 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion:146 Resp: 208603

Ion	Ratio	Lower	Upper
146	100		
111	38.9	9.7	69.7
148	64.0	33.0	93.0

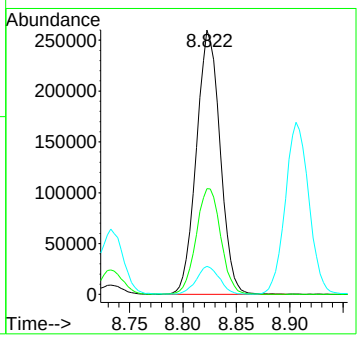


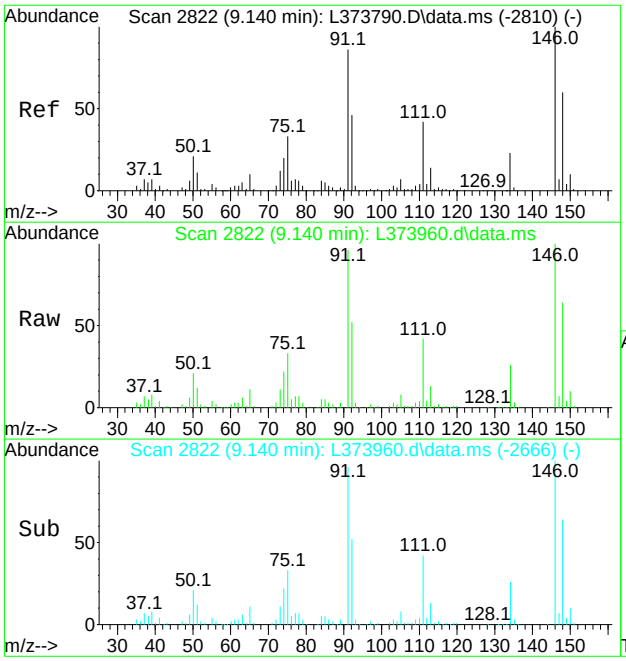


#112
1,2,3-trimethylbenzene
Concen: 48.3870 ug/L
RT: 8.822 min Scan# 2723
Delta R.T. 0.000 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion:105 Resp: 401297

Ion	Ratio	Lower	Upper
105	100		
120	40.0	8.8	68.8
91	10.6	0.0	40.2

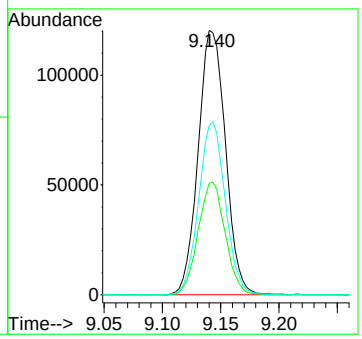


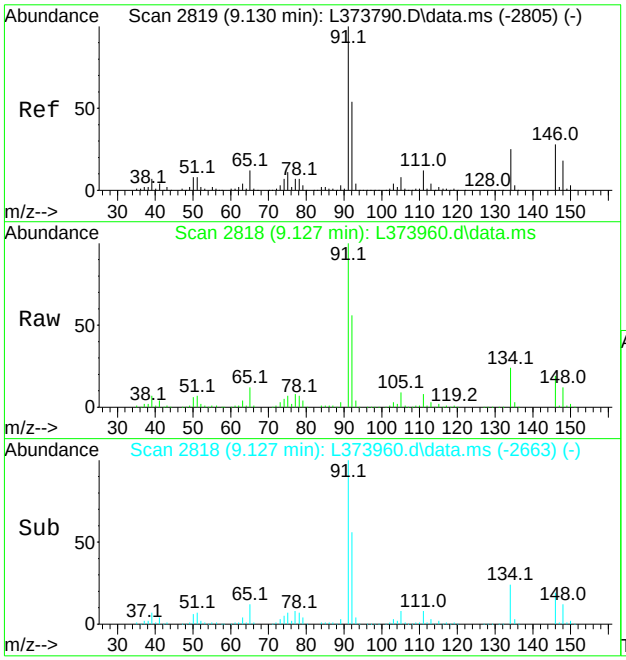


#113
1,2-dichlorobenzene
Concen: 47.9071 ug/L
RT: 9.140 min Scan# 2822
Delta R.T. 0.000 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion:146 Resp: 196614

Ion	Ratio	Lower	Upper
146	100		
111	42.2	12.1	72.1
148	63.9	30.4	90.4

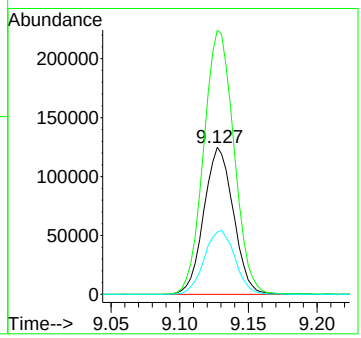


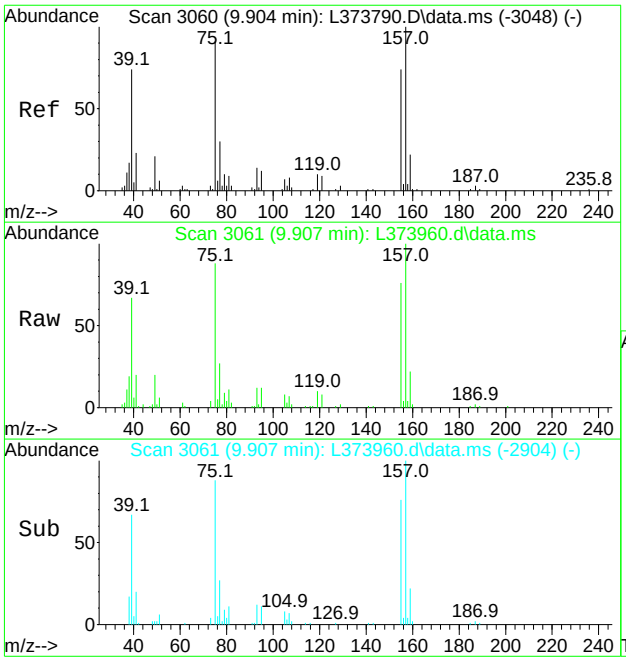


#114
n-butylbenzene
Concen: 50.8631 ug/L
RT: 9.127 min Scan# 2818
Delta R.T. -0.003 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 92 Resp: 186437

Ion	Ratio	Lower	Upper
92	100		
91	179.6	155.4	215.4
134	42.4	15.6	75.6

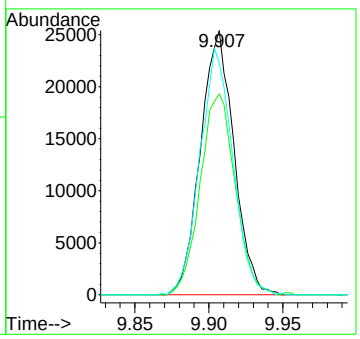


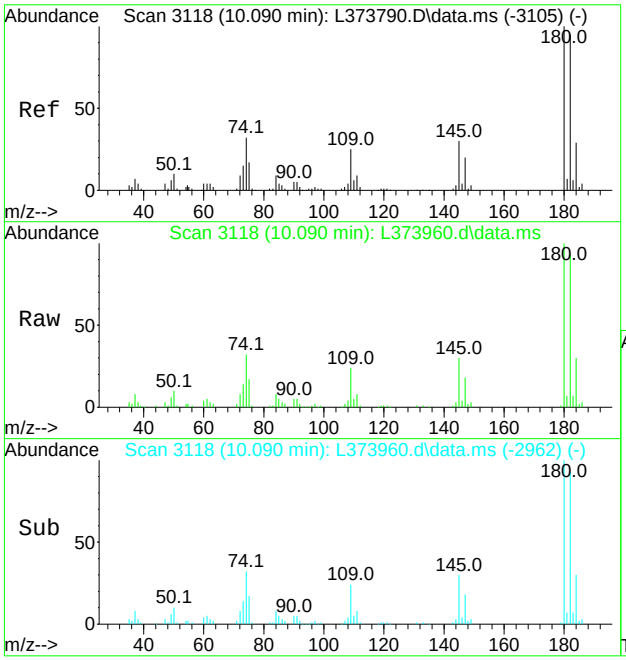


#115
1,2-dibromo-3-chloropropane
Concen: 42.2705 ug/L
RT: 9.907 min Scan# 3061
Delta R.T. 0.003 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion:157 Resp: 39847

Ion	Ratio	Lower	Upper
157	100		
155	76.0	44.1	104.1
75	87.8	60.9	120.9

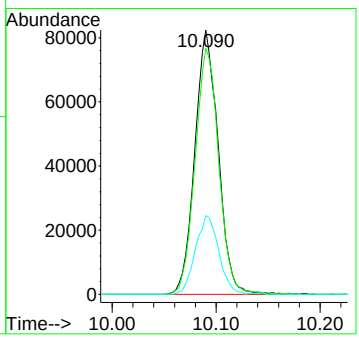


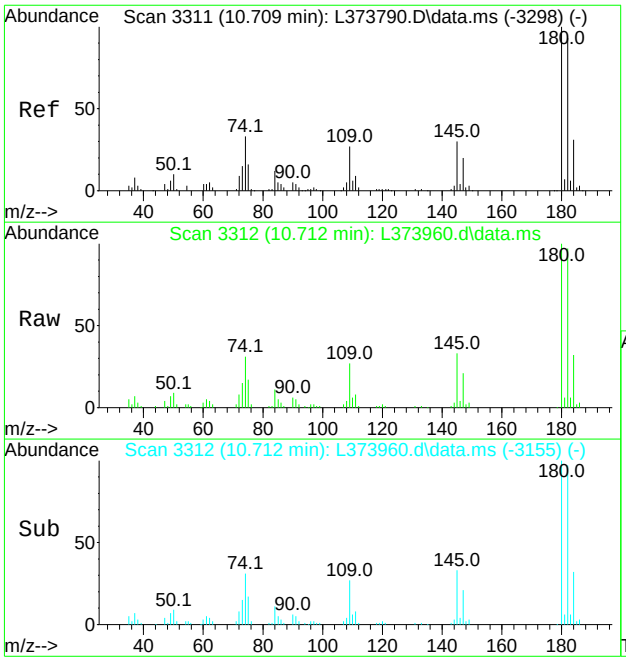


#116
1,3,5-trichlorobenzene
Concen: 48.8289 ug/L
RT: 10.090 min Scan# 3118
Delta R.T. -0.000 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion:180 Resp: 128969

Ion	Ratio	Lower	Upper
180	100		
182	93.1	65.0	125.0
184	29.8	0.0	59.4

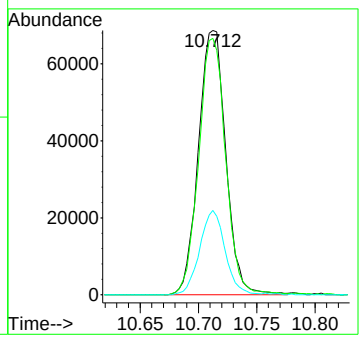


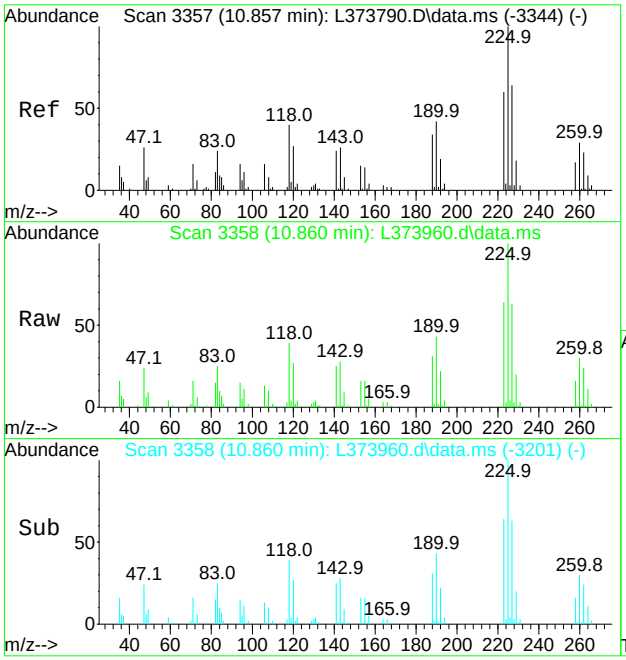


#117
1,2,4-trichlorobenzene
Concen: 48.3273 ug/L
RT: 10.712 min Scan# 3312
Delta R.T. 0.003 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion:180 Resp: 112499

Ion	Ratio	Lower	Upper
180	100		
182	97.0	63.1	123.1
184	31.9	0.8	60.8

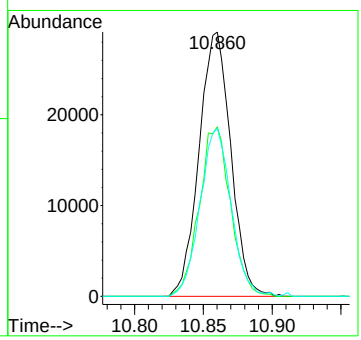


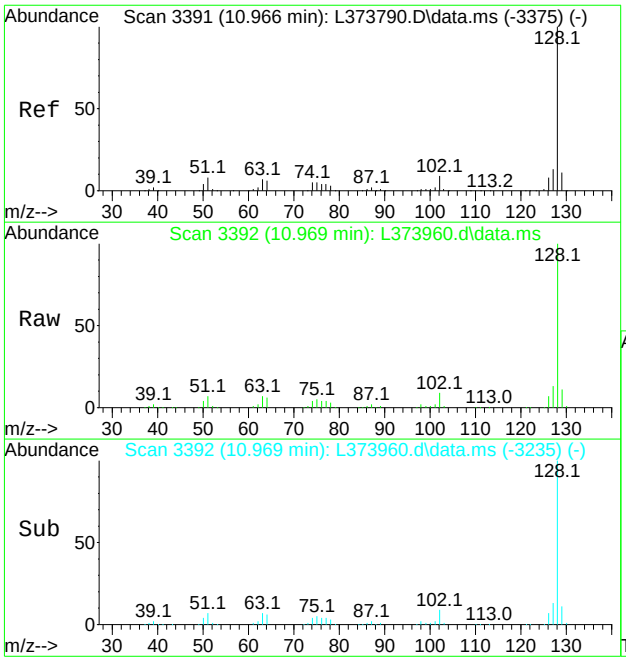


#118
hexachlorobutadiene
Concen: 53.5783 ug/L
RT: 10.860 min Scan# 3358
Delta R.T. 0.003 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion:225 Resp: 46869

Ion	Ratio	Lower	Upper
225	100		
223	64.1	30.0	90.0
227	63.5	33.8	93.8

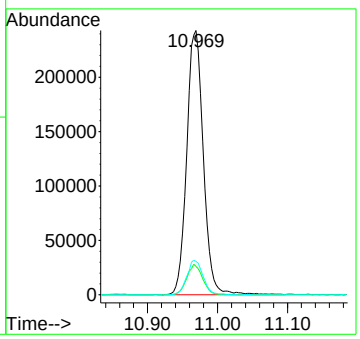


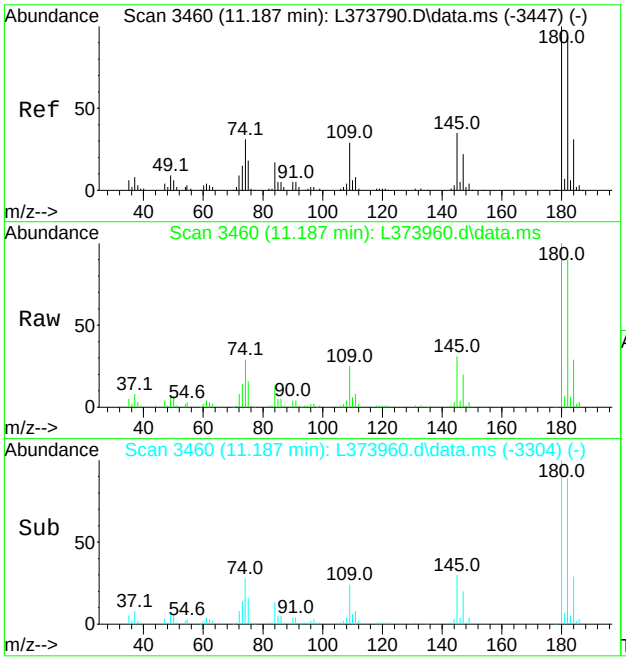


#119
naphthalene
Concen: 46.6269 ug/L
RT: 10.969 min Scan# 3392
Delta R.T. 0.003 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion:128 Resp: 402393

Ion	Ratio	Lower	Upper
128	100		
129	10.7	0.0	41.1
127	12.6	0.0	42.9

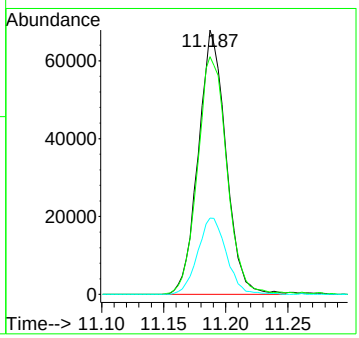


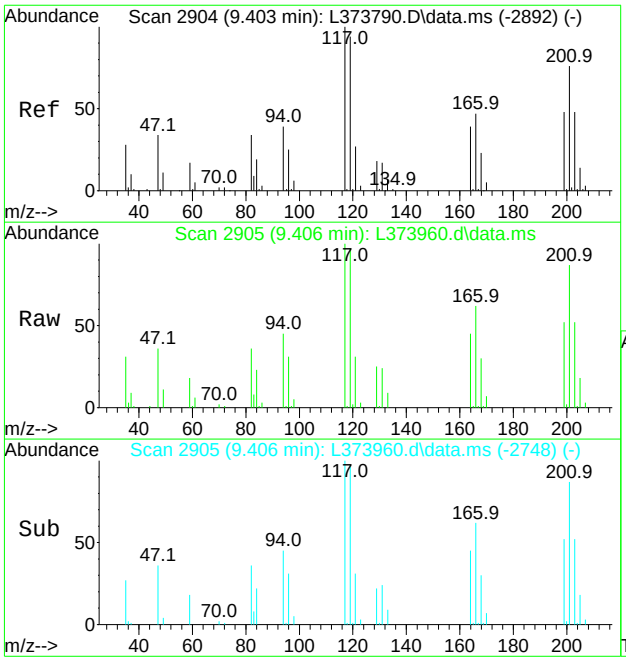


#120
1,2,3-trichlorobenzene
Concen: 47.3725 ug/L
RT: 11.187 min Scan# 3460
Delta R.T. 0.000 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion:180 Resp: 105086

Ion	Ratio	Lower	Upper
180	100		
182	89.9	63.9	123.9
184	28.9	1.2	61.2

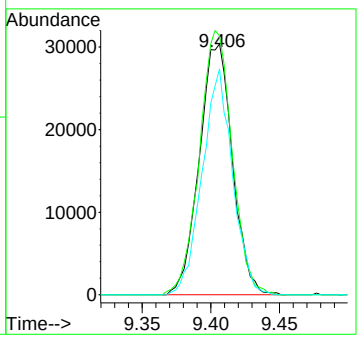


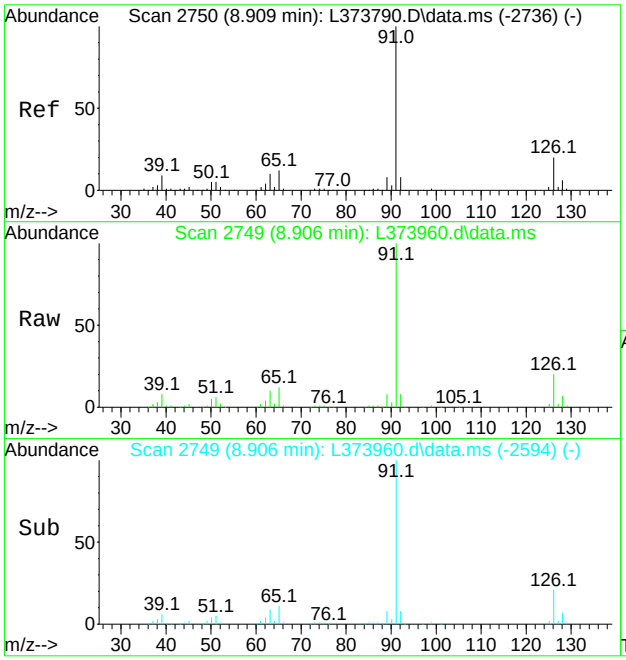


#121
hexachloroethane
Concen: 45.4412 ug/L
RT: 9.406 min Scan# 2905
Delta R.T. 0.003 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion:119 Resp: 50993

Ion	Ratio	Lower	Upper
119	100		
117	103.2	76.2	136.2
201	90.0	51.2	111.2

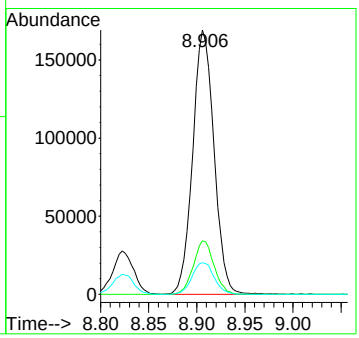


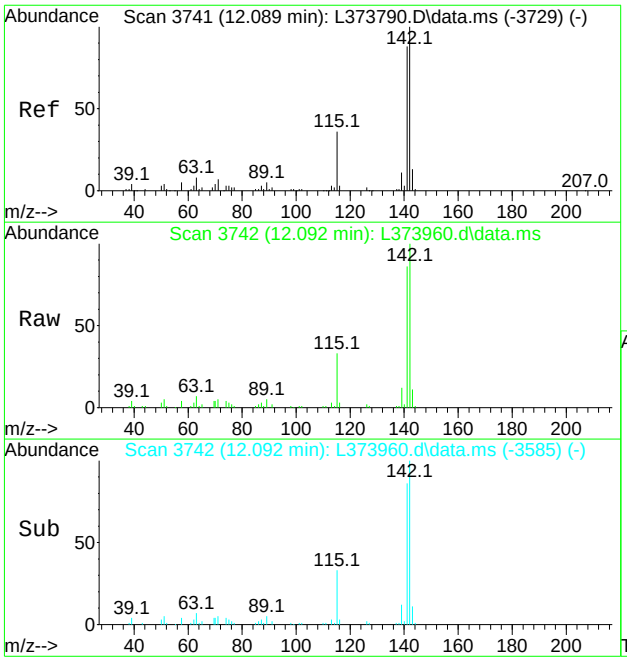


#122
benzyl chloride
Concen: 38.2676 ug/L
RT: 8.906 min Scan# 2749
Delta R.T. -0.003 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion: 91 Resp: 261295

Ion	Ratio	Lower	Upper
91	100		
126	20.3	0.0	49.8
65	12.0	0.0	41.8

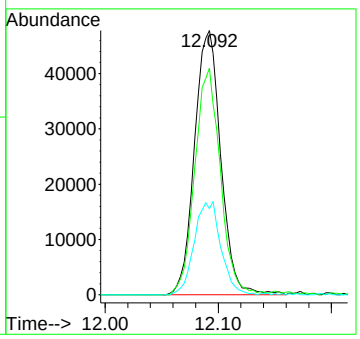




#123
2-methylnaphthalene
Concen: 23.1735 ug/L
RT: 12.092 min Scan# 3742
Delta R.T. 0.003 min
Lab File: L373960.d
Acq: 23 Oct 2025 2:56 am

Tgt Ion:142 Resp: 77156

Ion	Ratio	Lower	Upper
142	100		
141	85.8	68.0	108.0
115	32.5	15.9	55.9



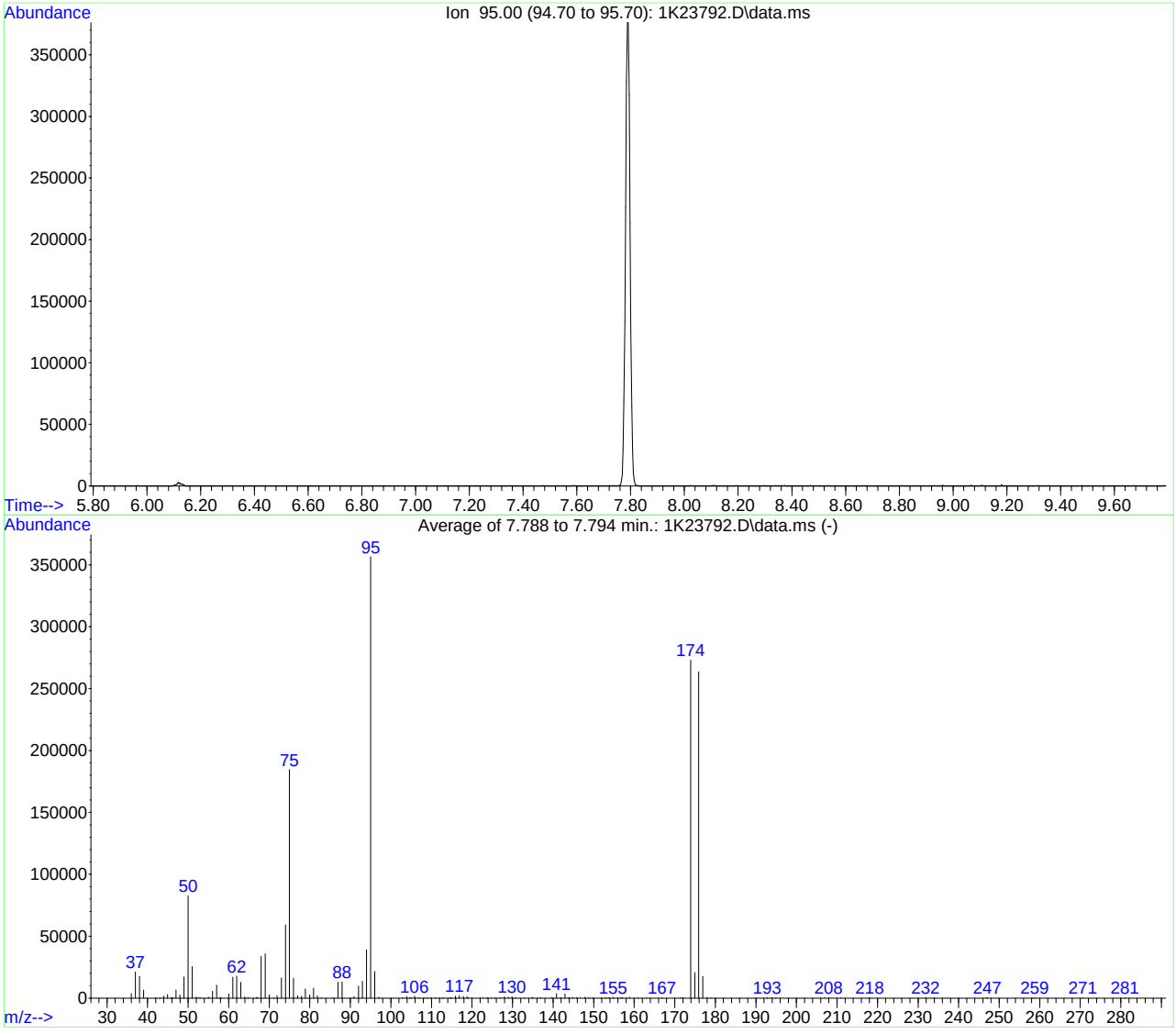
7.4.6

7

BFB

Data File : C:\msdchem\1\data\Initials\VK658\1K23792.D Vial: 2
Acq On : 5 Sep 2025 8:18 pm Operator: PrashanS
Sample : BFB Inst : GCMSK
Misc : MS95614,V1K658,5,,,,1 Multiplr: 1.00
MS Integration Params: events.e

Method : C:\msdchem\1\METHODS\DEFAULT.M (ChemStation Integrator)
Title :



AutoFind: Scans 2395, 2396, 2397; Background Corrected with Scan 2383

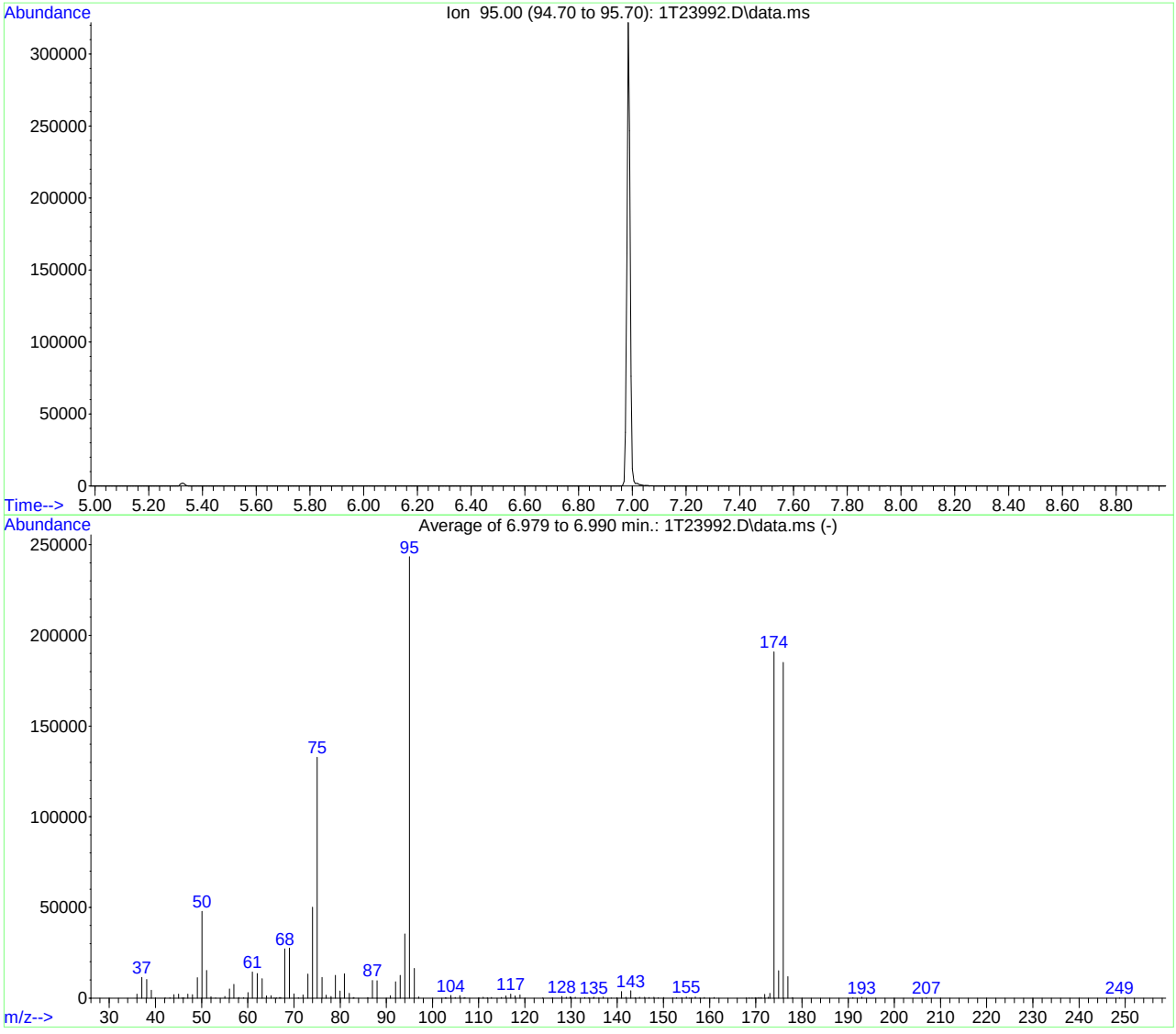
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.2	82603	PASS
75	95	30	60	51.8	184587	PASS
95	95	100	100	100.0	356501	PASS
96	95	5	9	6.0	21565	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	76.6	273131	PASS
175	174	5	9	7.6	20635	PASS
176	174	95	101	96.5	263531	PASS
177	176	5	9	6.6	17485	PASS

1K23792.D DEFAULT.M Mon Sep 08 10:22:22 2025

SW-846 Method 8260

Data File : C:\msdchem\1\data\Initials\VT579\1T23992.D Vial: 1
Acq On : 18 Sep 2025 08:09 am Operator: edwardd
Sample : bfb Inst : GCMST
Misc : MS96870,V1T0579,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\METHODS\M1C9032.M (RTE Integrator)
Title : SW846 8260C/D, ZB-624 60 m x 0.25 mm x 1.4 um



AutoFind: Scans 1181, 1182, 1183; Background Corrected with Scan 1175

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.7	47848	PASS
75	95	30	60	54.6	132827	PASS
95	95	100	100	100.0	243328	PASS
96	95	5	9	6.8	16433	PASS
173	174	0.00	2	1.4	2651	PASS
174	95	50	120	78.5	190909	PASS
175	174	5	9	7.9	15085	PASS
176	174	95	101	96.9	185085	PASS
177	176	5	9	6.4	11873	PASS

1T23992.D M1C9032.M Fri Sep 19 09:22:09 2025

Average of 6.979 to 6.990 min.: 1T23992.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	2151	47.00	2261	59.10	175	68.00	27189
37.05	11405	48.00	1883	60.05	3076	69.00	27528
38.10	10326	49.05	11264	61.00	14443	70.00	2301
39.10	4375	50.10	47848	62.05	13492	70.95	181
40.00	77	51.10	15201	63.10	10743	71.95	1824
42.10	55	52.05	823	64.05	1241	73.00	13261
43.10	283	53.00	87	65.05	1359	74.00	50096
44.00	1954	55.05	873	65.70	52	75.00	132827
45.00	2220	56.05	5000	66.20	80	76.05	11486
45.80	81	57.00	7552	66.90	365	76.95	1581
46.10	161	58.05	397	67.10	400	78.00	860

Average of 6.979 to 6.990 min.: 1T23992.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
78.95	12544	93.00	12621	107.05	329	125.95	171
79.95	3855	94.00	35339	110.05	260	128.00	958
80.90	13395	95.00	243328	110.95	493	128.95	538
81.95	2701	96.05	16433	111.85	266	129.80	681
82.80	109	97.00	643	112.75	338	130.00	447
82.95	385	102.80	238	114.95	425	130.90	451
86.00	391	103.00	81	115.90	1241	132.95	336
87.00	9715	103.95	1467	116.95	2251	133.85	211
88.00	9632	104.90	408	117.90	1286	134.80	141
90.90	1422	105.90	1407	118.95	1767	134.95	492
92.00	9019	106.80	141	123.85	120	136.00	62

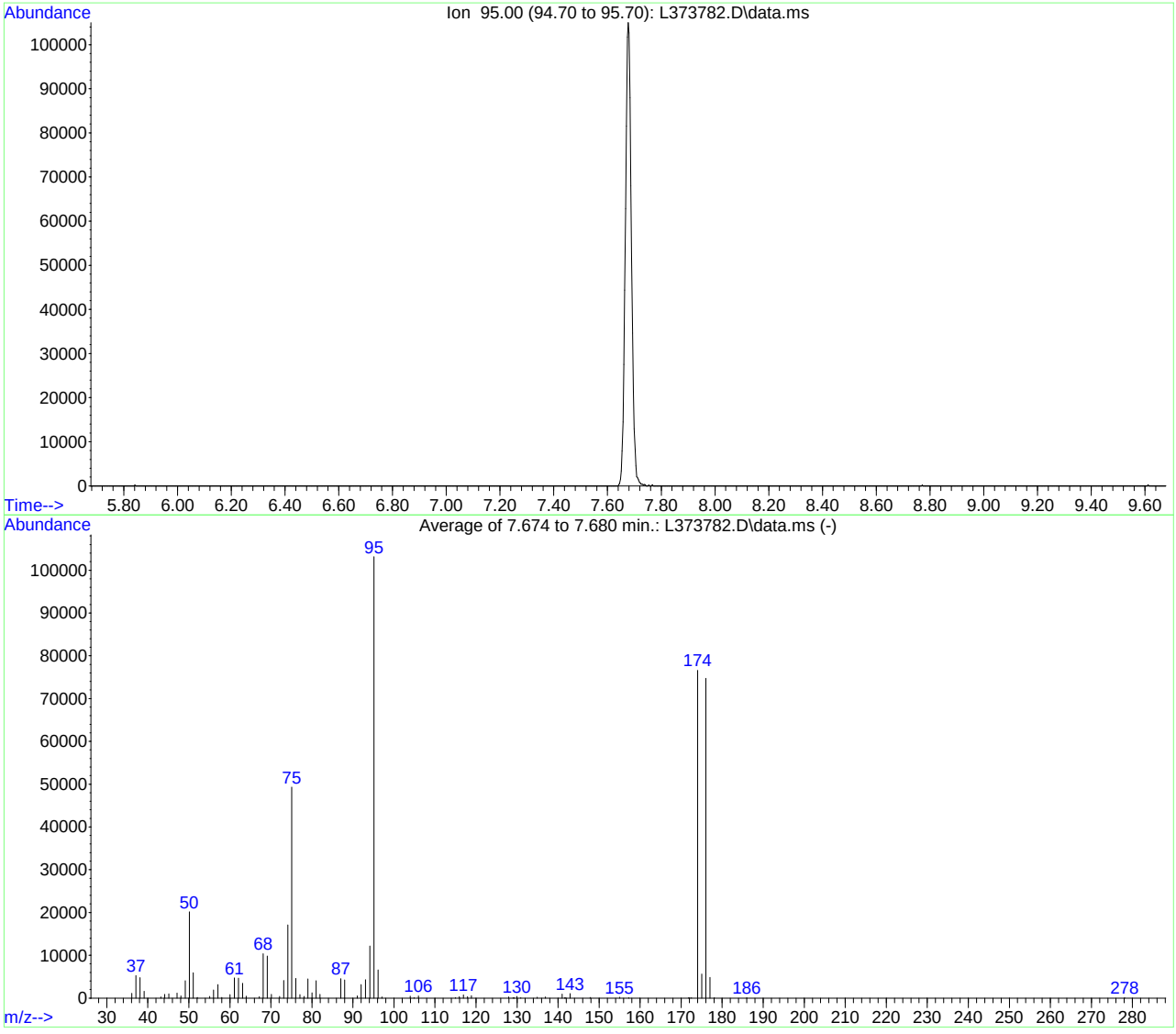
Average of 6.979 to 6.990 min.: 1T23992.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
136.95	633	148.90	171	160.95	375	173.95	190909
138.70	57	150.05	394	167.90	51	174.95	15085
139.95	276	152.00	72	168.60	148	175.95	185085
140.90	3593	152.85	190	169.20	69	176.95	11873
141.90	495	153.95	239	169.85	162	177.95	314
142.95	3981	154.95	699	170.20	131	191.05	218
143.85	192	155.70	131	170.65	405	192.95	454
144.85	572	156.10	76	171.15	313	206.95	158
145.95	507	156.90	594	171.95	2023	248.75	115
146.90	329	157.90	97	172.70	449		
147.95	556	158.85	344	173.05	2651		

SW-846 Method 8260

Data File : C:\msdchem\1\data\Initials\VL11472\L373782.D Vial: 7
Acq On : 16 Oct 2025 5:06 pm Operator: BridgetK
Sample : bfb Inst : GCMSL
Misc : MS94818,VL11472,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\ML11472.M (RTE Integrator)
Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um



AutoFind: Scans 2365, 2366, 2367; Background Corrected with Scan 2352

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.6	20173	PASS
75	95	30	60	47.8	49285	PASS
95	95	100	100	100.0	103136	PASS
96	95	5	9	6.4	6587	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	74.3	76611	PASS
175	174	5	9	7.3	5615	PASS
176	174	95	101	97.5	74720	PASS
177	176	5	9	6.5	4838	PASS

L373782.D ML11472.M Fri Oct 17 09:13:00 2025

Average of 7.674 to 7.680 min.: L373782.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.10	1136	51.10	5932	67.15	319	79.00	4464
37.10	5279	52.10	171	68.10	10374	80.00	1249
38.10	4789	55.05	368	69.10	9849	81.00	4073
39.10	1611	56.05	1890	70.10	890	81.95	896
43.15	267	57.10	3154	72.10	408	87.05	4561
44.10	880	58.05	141	73.10	4147	88.00	4255
45.10	984	60.05	822	74.10	17123	91.05	490
47.10	1201	61.10	4696	75.10	49285	92.00	3140
48.05	542	62.10	4655	76.10	4582	93.05	4288
49.10	4033	63.10	3476	77.05	832	94.10	12155
50.10	20173	64.00	426	78.05	367	95.10	103136

Average of 7.674 to 7.680 min.: L373782.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
96.10	6587	129.00	79	155.00	207	278.10	70
97.05	280	129.30	71	157.20	73		
103.95	469	129.95	382	171.80	70		
104.90	81	130.90	69	172.10	95		
105.95	516	134.90	189	172.50	86		
115.00	68	136.95	296	174.00	76611		
115.95	361	141.00	939	175.00	5615		
116.95	764	141.60	73	176.00	74720		
117.95	358	141.90	73	177.00	4838		
118.90	596	142.95	1032	178.10	68		
127.95	301	147.85	151	186.00	67		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 1K23794.D
Acq On : 5 Sep 2025 9:07 pm
Operator : PrashanS
Sample : IC658-0.2
Misc : MS95614,V1K658,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 11:47:07 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 10:38:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.489	65	281527	500.00	ug/L		0.00
5) pentafluorobenzene	4.807	168	732123	50.00	ug/L		0.00
50) 1,4-difluorobenzene	5.168	114	1156758	50.00	ug/L		0.00
72) chlorobenzene-d5	7.110	117	921866	50.00	ug/L		0.00
96) 1,4-dichlorobenzene-d4	8.376	152	435138	50.00	ug/L		0.00
124) pentafluorobenzene(a)	4.807	168	732123	50.00	ug/L		0.00
128) 1,4-dichlorobenzene-d4(a)	8.376	152	435138	50.00	ug/L		0.00
System Monitoring Compounds							
42) dibromofluoromethane (s)	4.524	113	307588	47.88	ug/L		0.00
Spiked Amount 50.000	Range 75 - 127		Recovery = 95.76%				
51) 1,2-dichloroethane-d4 (s)	4.878	65	401125	49.32	ug/L		0.00
Spiked Amount 50.000	Range 75 - 130		Recovery = 98.64%				
73) toluene-d8 (s)	6.119	98	1284404	51.18	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 102.36%				
97) 4-bromofluorobenzene (s)	7.788	95	462382	49.87	ug/L		0.00
Spiked Amount 50.000	Range 79 - 127		Recovery = 99.74%				
Target Compounds							Qvalue
7) dichlorodifluoromethane	1.718	85	1508	0.1858	ug/L	#	51
8) chloromethane	1.894	50	1966	0.2206	ug/L		80
9) vinyl chloride	1.965	62	1304	0.1669	ug/L		78
12) chloroethane	2.364	64	707	0.1578	ug/L	#	49
13) trichlorofluoromethane	2.483	101	1937	0.1792	ug/L		83
17) 1,1-dichloroethene	2.898	61	2208	0.2263	ug/L		74
24) methyl tert butyl ether	3.499	73	3977	0.2158	ug/L	#	52
25) trans-1,2-dichloroethene	3.451	96	1288	0.2296	ug/L	#	58
26) hexane	3.489	57	3216	0.2227	ug/L	#	66
27) di-isopropyl ether	3.756	45	4953	0.1988	ug/L		84
28) ethyl tert-butyl ether	4.007	59	4673	0.2115	ug/L		73
30) 1,1-dichloroethane	3.875	63	2092	0.1810	ug/L		64
31) chloroprene	3.852	53	2619	0.1997	ug/L		97
45) cyclohexane	4.373	84	1525	0.1742	ug/L	#	72
46) 1,1-dichloropropene	4.634	75	1905	0.2266	ug/L		83
52) iso-octane	4.688	57	4970	0.2268	ug/L		90
53) benzene	4.798	78	5001	0.2193	ug/L		80
64) 1,2-dichloropropane	5.508	63	1380	0.2159	ug/L		70
69) cis-1,3-dichloropropene	5.991	75	2069	0.2137	ug/L		86
70) 4-methyl-2-pentanone	6.383	58	2607	0.7083	ug/L	#	81
74) toluene	6.155	92	3185	0.2338	ug/L		91
79) 2-hexanone	6.907	58	3074	0.8332	ug/L		85
80) 1,3-dichloropropane	6.711	76	1740	0.1904	ug/L		91
82) dibromochloromethane	6.647	129	1205	0.2167	ug/L		91
84) n-butyl ether	7.013	57	5943	0.2003	ug/L		79
85) chlorobenzene	7.119	112	3125	0.2191	ug/L	#	1
88) m,p-xylene	7.200	106	4247	0.4323	ug/L	#	65
89) o-xylene	7.454	106	1854	0.1932	ug/L	#	60
90) styrene	7.483	104	3492	0.2166	ug/L		91
91) bromoform	7.508	173	682	0.1669	ug/L		82
93) isopropylbenzene	7.621	105	4626	0.1943	ug/L		83
94) n-amyl acetate	7.663	70	990	0.1950	ug/L	#	69
102) n-propylbenzene	7.849	91	5292	0.1920	ug/L		90
104) 4-chlorotoluene	8.029	91	3885	0.2195	ug/L		89
105) 1,3,5-trimethylbenzene	7.942	105	3576	0.1894	ug/L		90
107) 1,2,4-trimethylbenzene	8.155	105	4179	0.2166	ug/L		83
108) sec-butylbenzene	8.212	105	4328	0.1986	ug/L		93
114) n-butylbenzene	8.489	92	2113	0.2197	ug/L	#	52

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 1K23794.D
Acq On : 5 Sep 2025 9:07 pm
Operator : PrashanS
Sample : IC658-0.2
Misc : MS95614,V1K658,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 11:47:07 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 10:38:02 2025
Response via : Initial Calibration

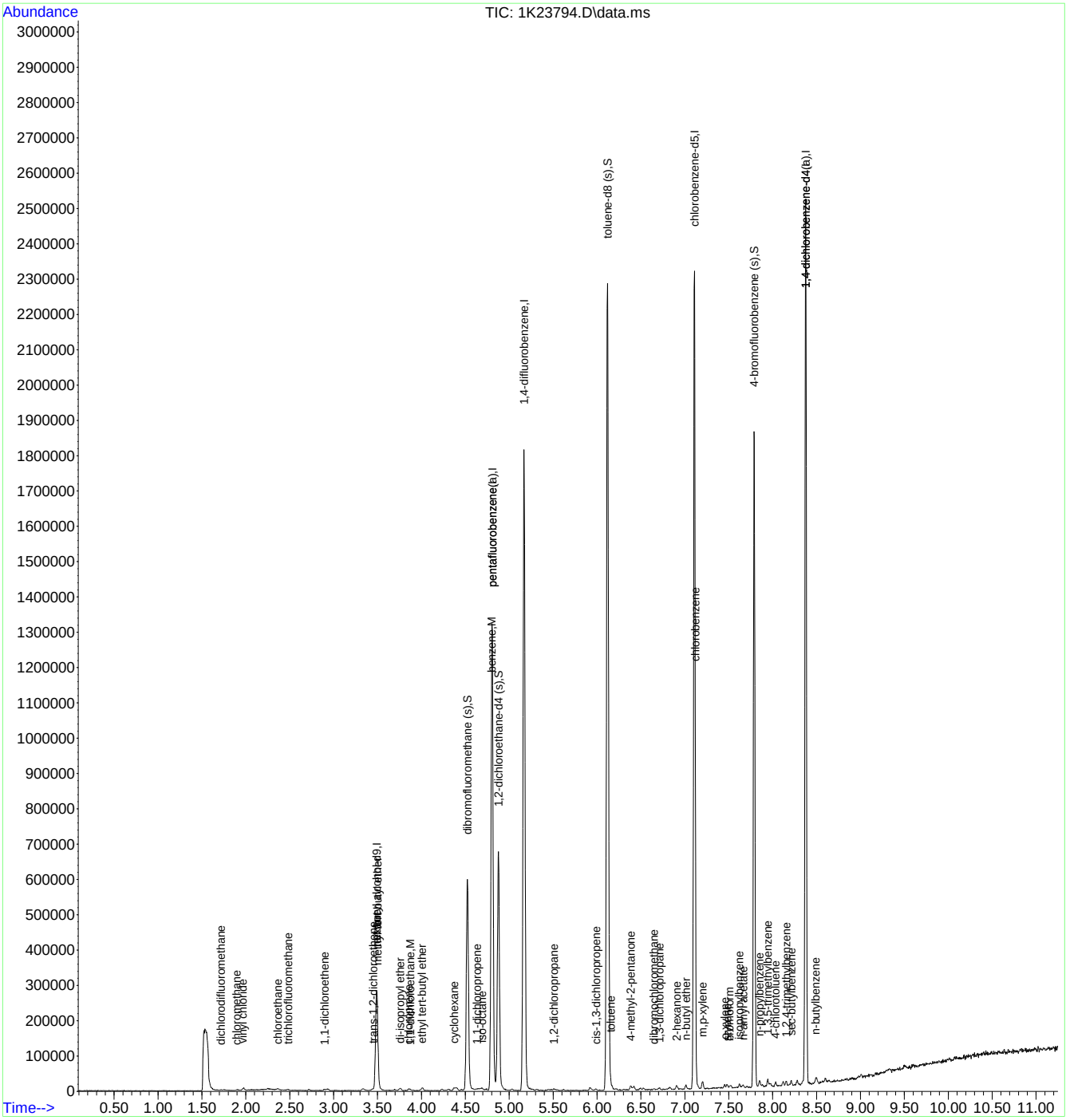
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

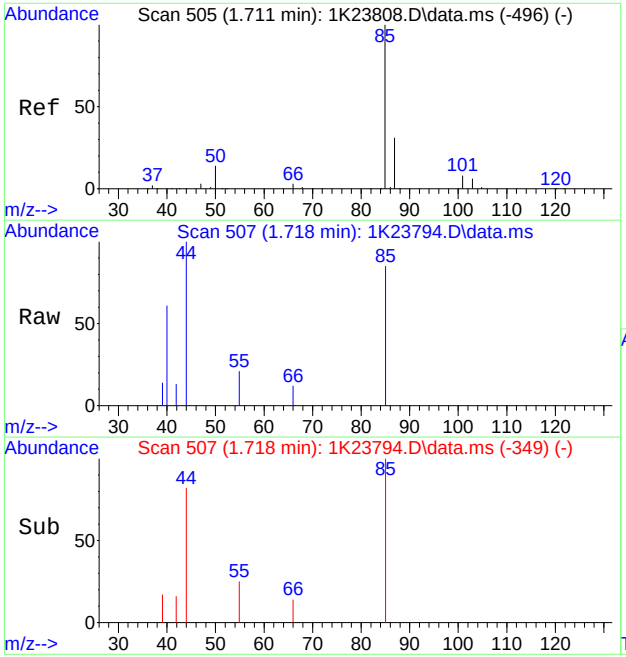
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 1K23794.D
Acq On : 5 Sep 2025 9:07 pm
Operator : PrashanS
Sample : IC658-0.2
Misc : MS95614,V1K658,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 08 11:47:07 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 10:38:02 2025
Response via : Initial Calibration

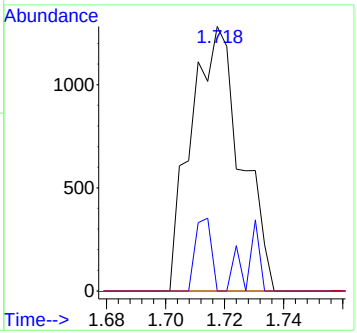


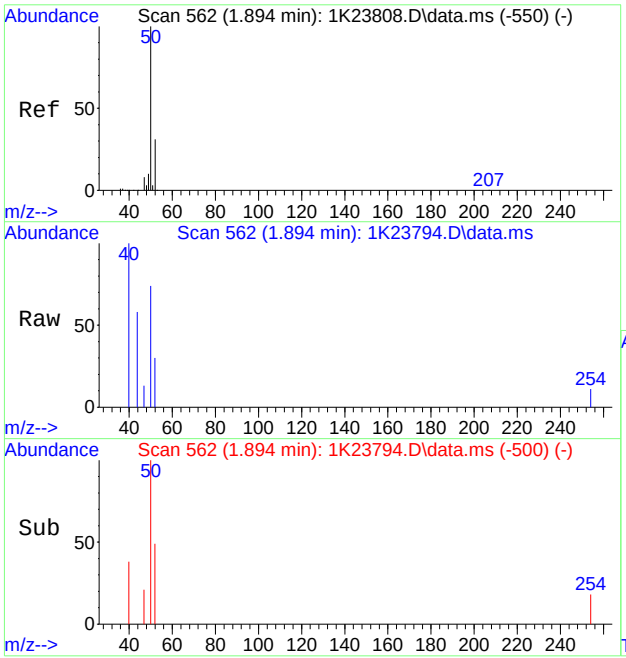


#7
dichlorodifluoromethane
Concen: 0.19 ug/L
RT: 1.718 min Scan# 507
Delta R.T. 0.007 min
Lab File: 1K23794.D
Acq: 5 Sep 2025 9:07 pm

Tgt Ion: 85 Resp: 1508

Ion	Ratio	Lower	Upper
85	100		
87	0.0	0.7	60.7#
101	0.0	0.0	38.3

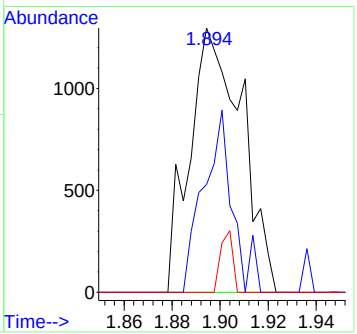


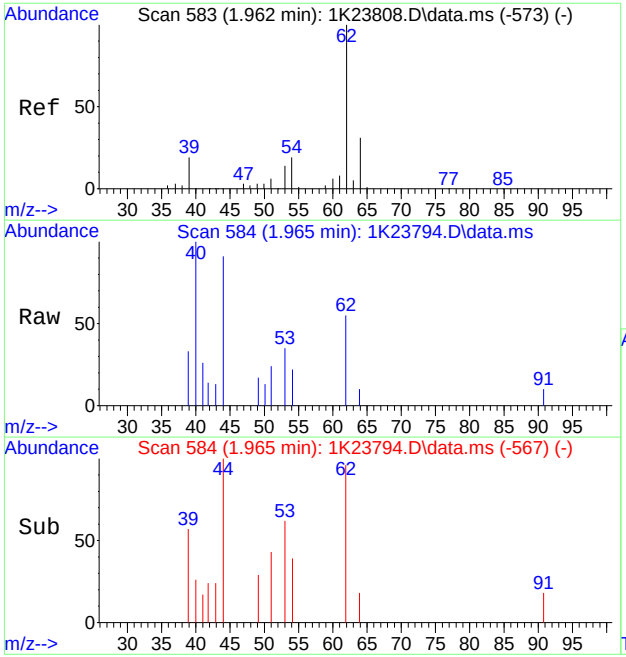


#8
chloromethane
Concen: 0.22 ug/L
RT: 1.894 min Scan# 562
Delta R.T. 0.000 min
Lab File: 1K23794.D
Acq: 5 Sep 2025 9:07 pm

Tgt Ion: 50 Resp: 1966

Ion	Ratio	Lower	Upper
50	100		
52	40.9	1.4	61.4
49	0.0	0.0	40.1

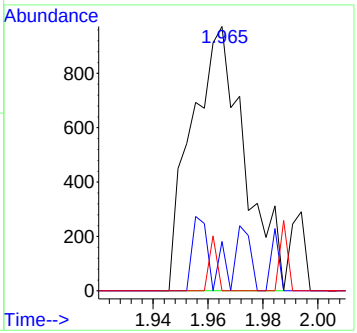


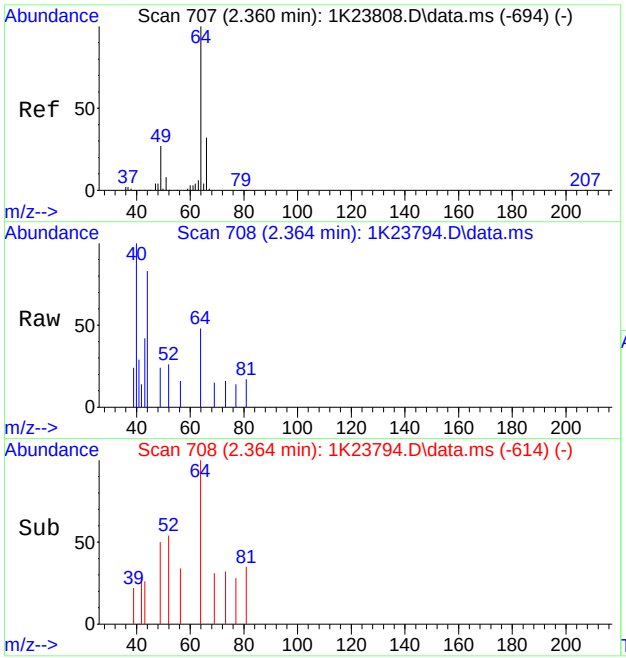


#9
vinyl chloride
Concen: 0.17 ug/L
RT: 1.965 min Scan# 584
Delta R.T. 0.003 min
Lab File: 1K23794.D
Acq: 5 Sep 2025 9:07 pm

Tgt Ion: 62 Resp: 1304

Ion	Ratio	Lower	Upper
62	100		
64	18.7	0.6	60.6
61	0.0	0.0	38.4

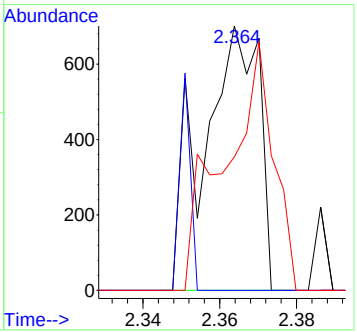


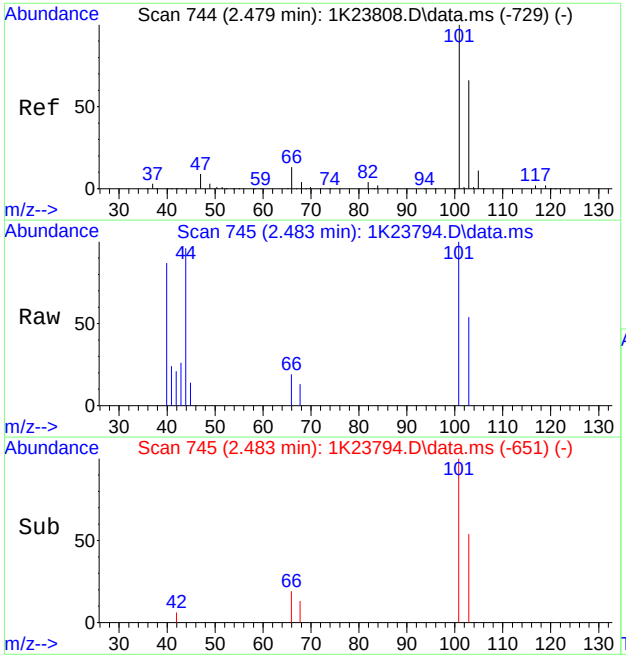


#12
chloroethane
Concen: 0.16 ug/L
RT: 2.364 min Scan# 708
Delta R.T. 0.003 min
Lab File: 1K23794.D
Acq: 5 Sep 2025 9:07 pm

Tgt Ion: 64 Resp: 707

Ion	Ratio	Lower	Upper
64	100		
66	0.0	1.6	61.6#
49	50.5	0.0	57.3

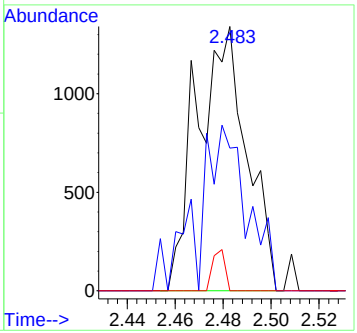


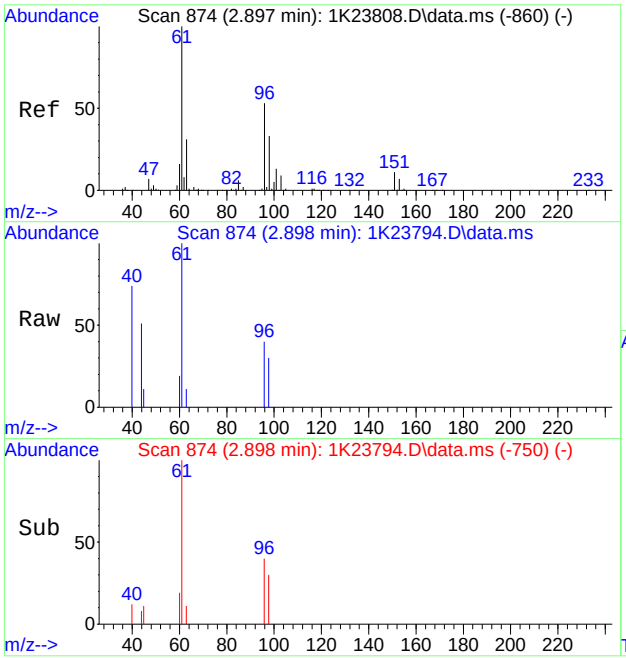


#13
trichlorofluoromethane
Concen: 0.18 ug/L
RT: 2.483 min Scan# 745
Delta R.T. 0.003 min
Lab File: 1K23794.D
Acq: 5 Sep 2025 9:07 pm

Tgt Ion:101 Resp: 1937

Ion	Ratio	Lower	Upper
101	100		
103	53.9	35.9	95.9
105	0.0	0.0	40.9

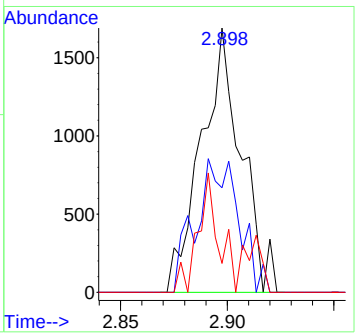


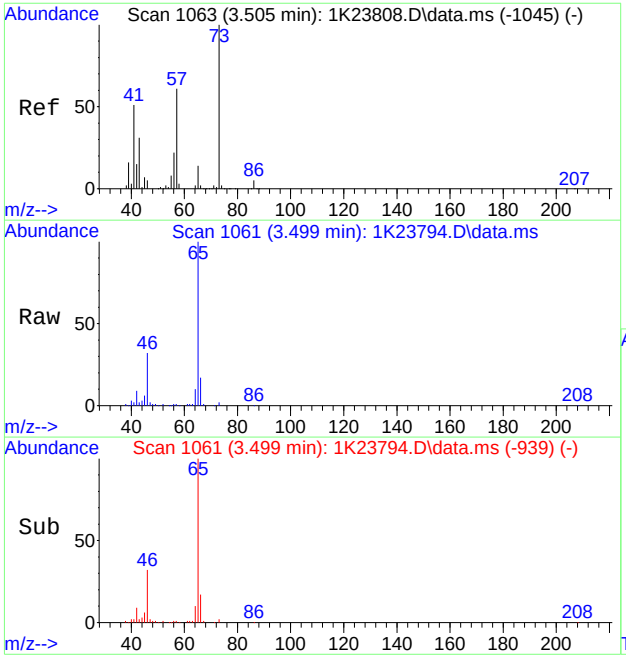


#17
1,1-dichloroethene
Concen: 0.23 ug/L
RT: 2.898 min Scan# 874
Delta R.T. 0.000 min
Lab File: 1K23794.D
Acq: 5 Sep 2025 9:07 pm

Tgt Ion: 61 Resp: 2208

Ion	Ratio	Lower	Upper
61	100		
96	39.5	23.2	83.2
63	10.9	1.0	61.0

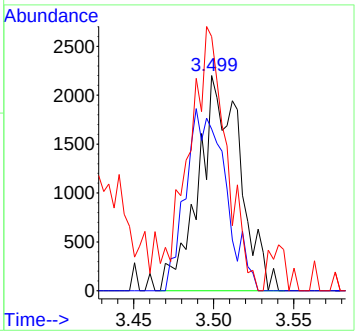


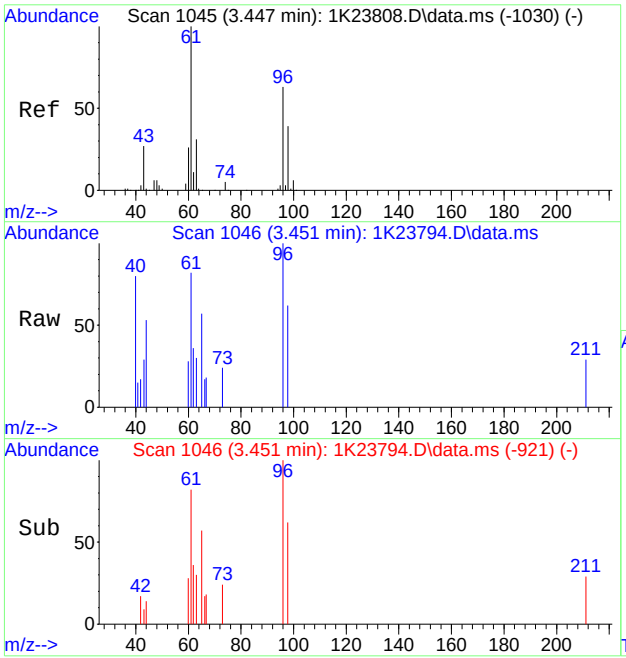


#24
methyl tert butyl ether
Concen: 0.22 ug/L
RT: 3.499 min Scan# 1061
Delta R.T. -0.006 min
Lab File: 1K23794.D
Acq: 5 Sep 2025 9:07 pm

Tgt Ion: 73 Resp: 3977

Ion	Ratio	Lower	Upper
73	100		
57	75.1	30.7	90.7
43	105.4	18.2	78.2#

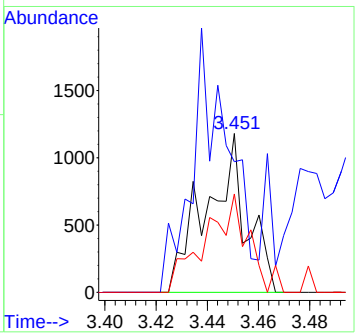


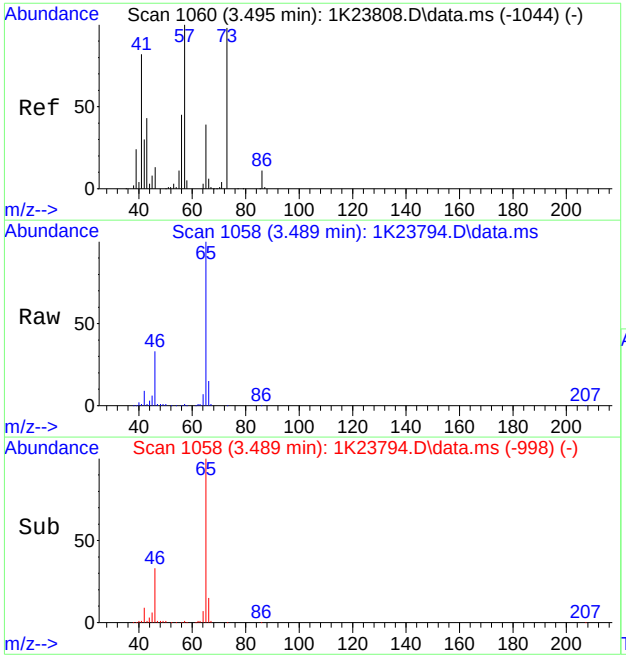


#25
trans-1,2-dichloroethene
Concen: 0.23 ug/L
RT: 3.451 min Scan# 1046
Delta R.T. 0.003 min
Lab File: 1K23794.D
Acq: 5 Sep 2025 9:07 pm

Tgt Ion: 96 Resp: 1288

Ion	Ratio	Lower	Upper
96	100		
61	82.1	128.8	188.8#
98	61.8	32.4	92.4

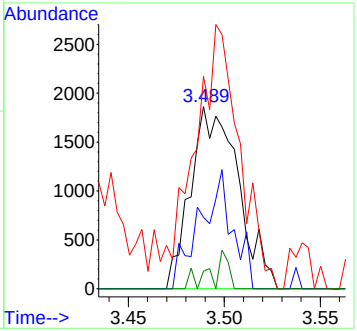


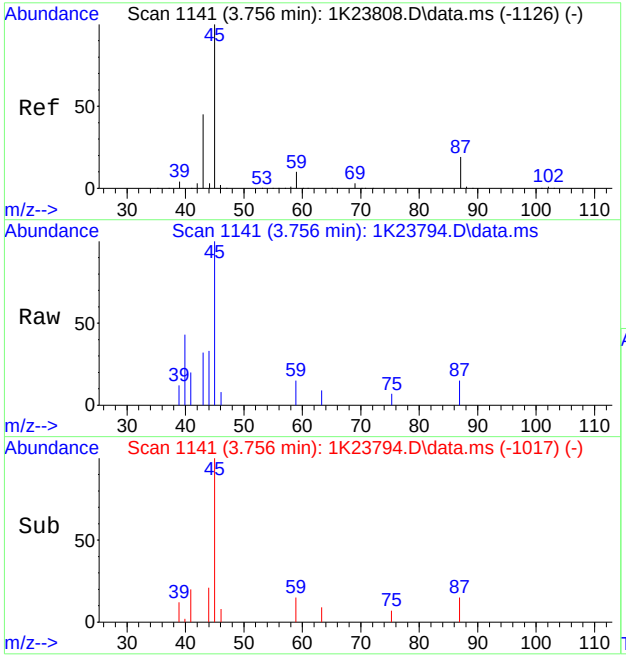


#26
hexane
Concen: 0.22 ug/L
RT: 3.489 min Scan# 1058
Delta R.T. -0.006 min
Lab File: 1K23794.D
Acq: 5 Sep 2025 9:07 pm

Tgt Ion: 57 Resp: 3216

Ion	Ratio	Lower	Upper
57	100		
56	39.3	24.9	64.9
43	116.8	50.9	90.9#
86	9.7	0.0	31.2

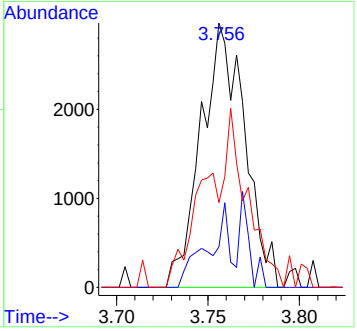


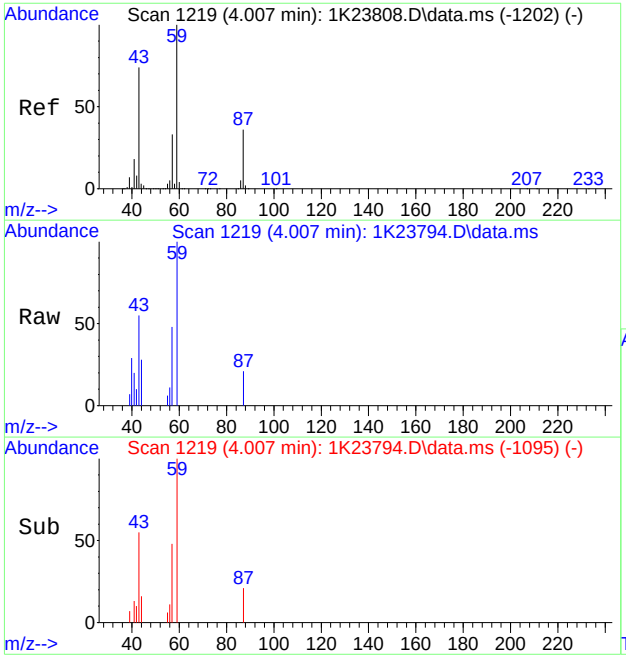


#27
di-isopropyl ether
Concen: 0.20 ug/L
RT: 3.756 min Scan# 1141
Delta R.T. 0.000 min
Lab File: 1K23794.D
Acq: 5 Sep 2025 9:07 pm

Tgt Ion: 45 Resp: 4953

Ion	Ratio	Lower	Upper
45	100		
87	15.3	0.0	48.8
43	32.1	14.9	74.9

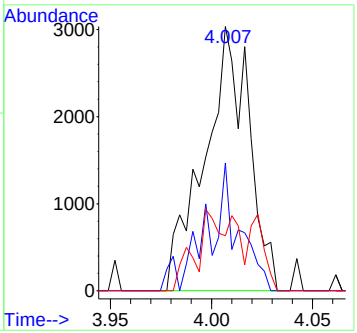


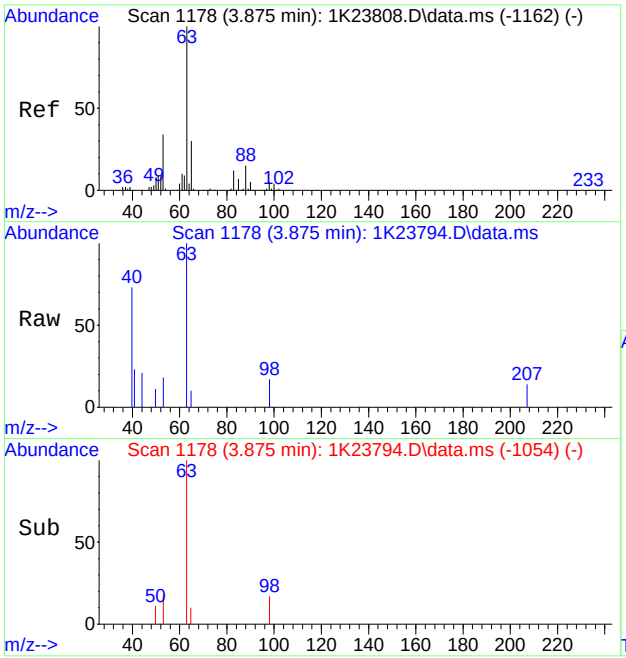


#28
ethyl tert-butyl ether
Concen: 0.21 ug/L
RT: 4.007 min Scan# 1219
Delta R.T. 0.000 min
Lab File: 1K23794.D
Acq: 5 Sep 2025 9:07 pm

Tgt Ion: 59 Resp: 4673

Ion	Ratio	Lower	Upper
59	100		
57	48.4	2.6	62.6
87	20.8	5.8	65.8

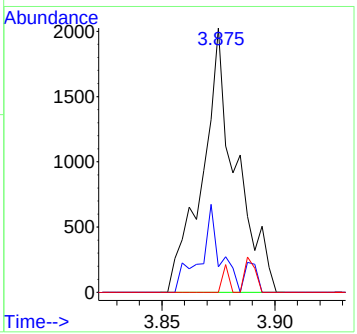


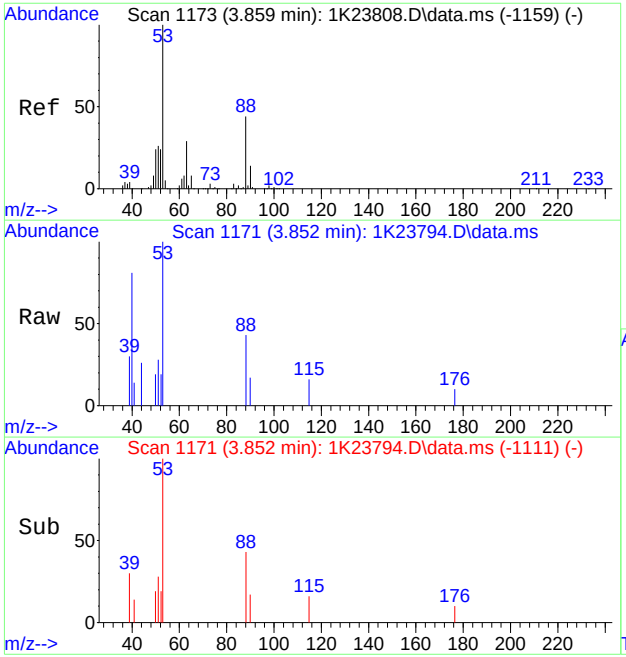


#30
1,1-dichloroethane
Concen: 0.18 ug/L
RT: 3.875 min Scan# 1178
Delta R.T. 0.000 min
Lab File: 1K23794.D
Acq: 5 Sep 2025 9:07 pm

Tgt Ion: 63 Resp: 2092

Ion	Ratio	Lower	Upper
63	100		
65	9.6	0.2	60.2
83	0.0	0.0	42.0

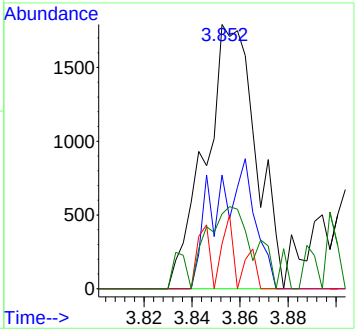


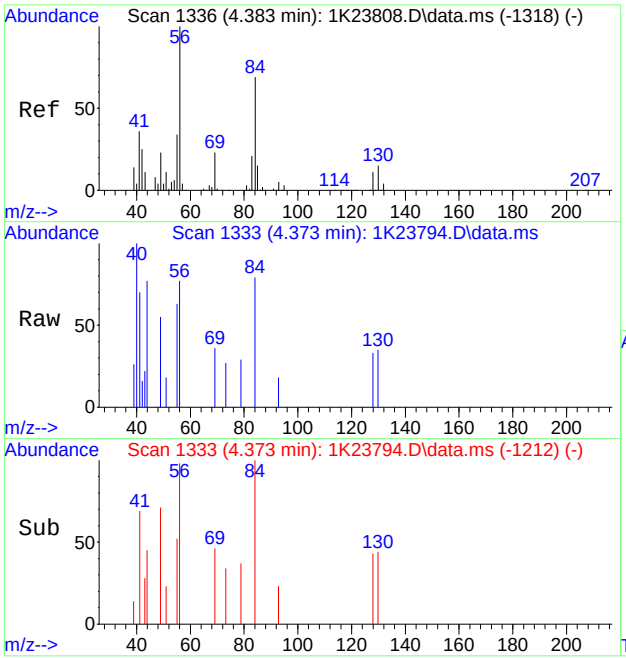


#31
chloroprene
Concen: 0.20 ug/L
RT: 3.852 min Scan# 1171
Delta R.T. -0.006 min
Lab File: 1K23794.D
Acq: 5 Sep 2025 9:07 pm

Tgt Ion: 53 Resp: 2619

Ion	Ratio	Lower	Upper
53	100		
88	43.1	13.8	73.8
90	17.0	0.0	44.2
51	28.3	0.0	56.1

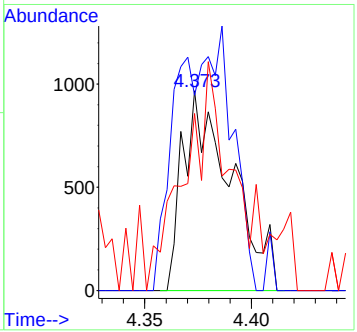


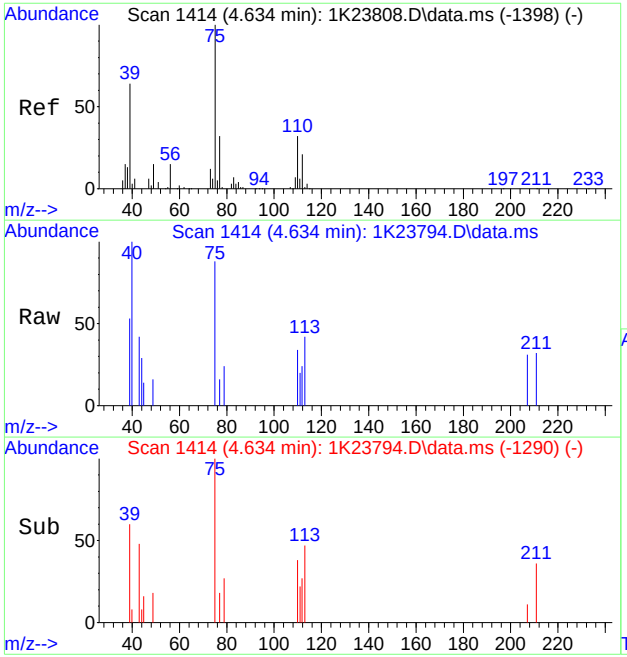


#45
cyclohexane
Concen: 0.17 ug/L
RT: 4.373 min Scan# 1333
Delta R.T. -0.010 min
Lab File: 1K23794.D
Acq: 5 Sep 2025 9:07 pm

Tgt Ion: 84 Resp: 1525

Ion	Ratio	Lower	Upper
84	100		
56	97.7	124.1	164.1#
41	69.4	58.3	98.3

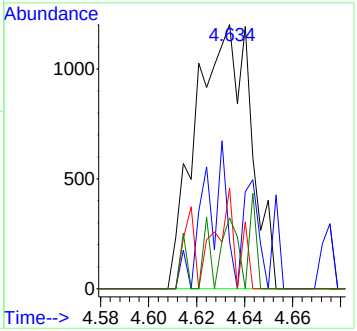


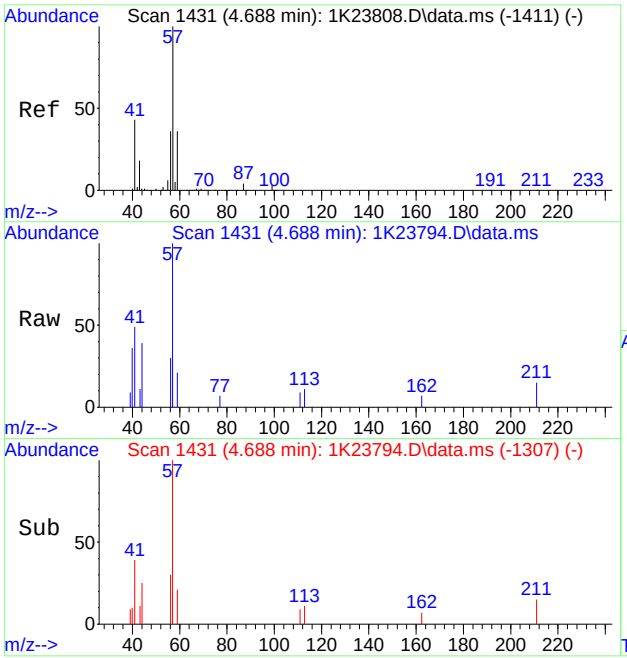


#46
1,1-dichloropropene
Concen: 0.23 ug/L
RT: 4.634 min Scan# 1414
Delta R.T. 0.000 min
Lab File: 1K23794.D
Acq: 5 Sep 2025 9:07 pm

Tgt Ion: 75 Resp: 1905

Ion	Ratio	Lower	Upper
75	100		
77	17.8	12.0	52.0
110	38.2	12.3	52.3
112	26.8	0.8	40.8

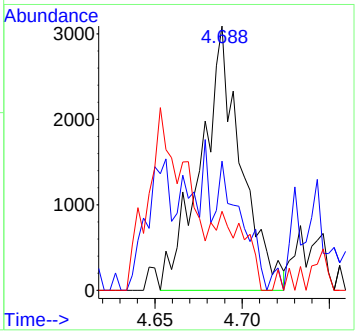


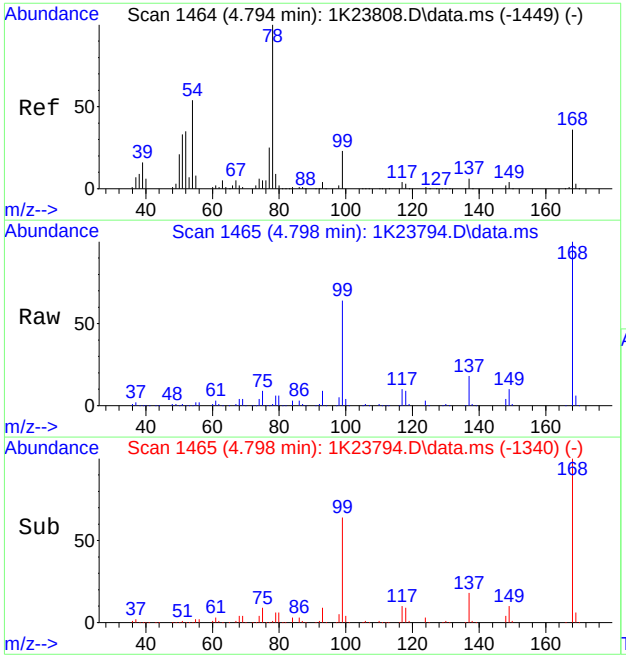


#52
iso-octane
Concen: 0.23 ug/L
RT: 4.688 min Scan# 1431
Delta R.T. 0.000 min
Lab File: 1K23794.D
Acq: 5 Sep 2025 9:07 pm

Tgt Ion: 57 Resp: 4970

Ion	Ratio	Lower	Upper
57	100		
41	48.8	22.7	62.7
56	29.9	16.1	56.1

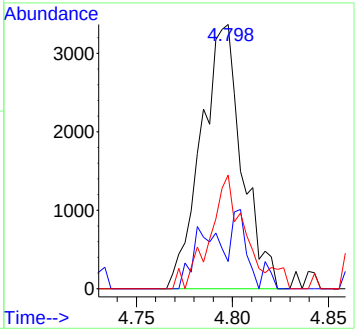


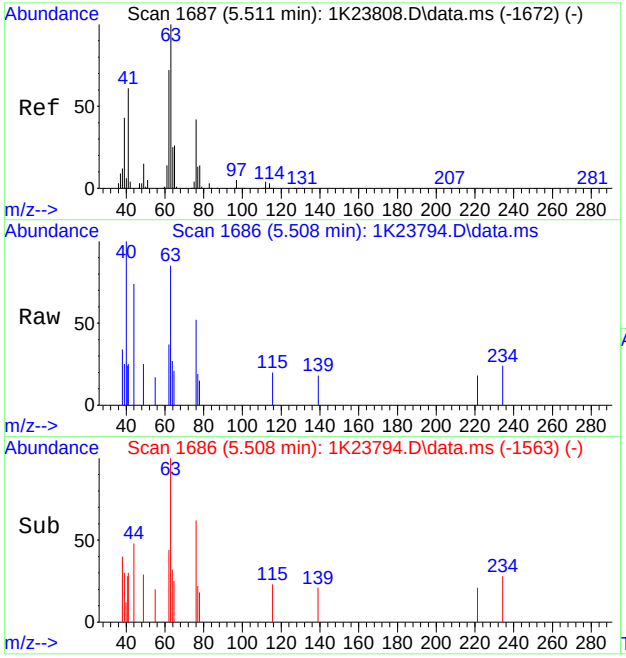


#53
benzene
Concen: 0.22 ug/L
RT: 4.798 min Scan# 1465
Delta R.T. 0.003 min
Lab File: 1K23794.D
Acq: 5 Sep 2025 9:07 pm

Tgt Ion: 78 Resp: 5001

Ion	Ratio	Lower	Upper
78	100		
77	10.4	0.0	54.5
52	43.0	5.0	65.0

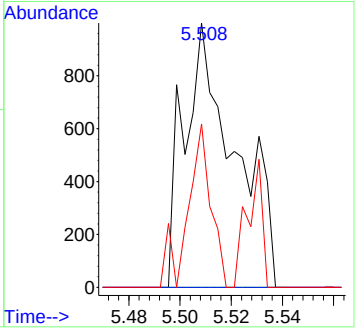


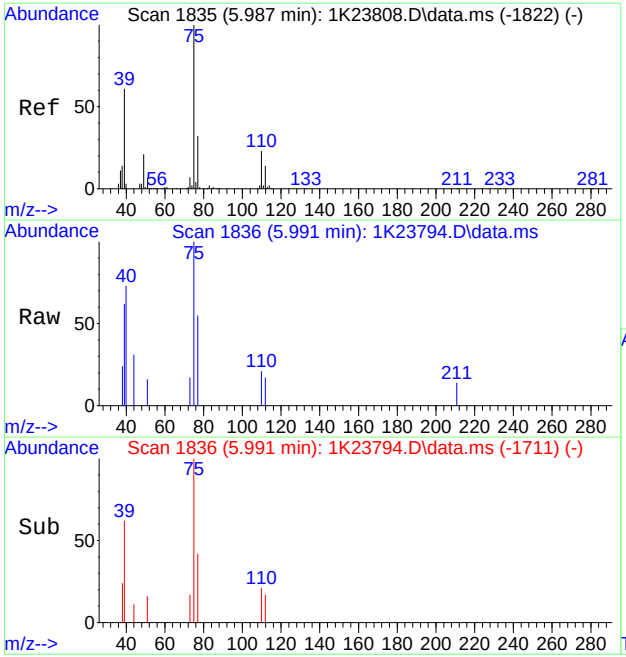


#64
1,2-dichloropropane
Concen: 0.22 ug/L
RT: 5.508 min Scan# 1686
Delta R.T. -0.003 min
Lab File: 1K23794.D
Acq: 5 Sep 2025 9:07 pm

Tgt Ion: 63 Resp: 1380

Ion	Ratio	Lower	Upper
63	100		
112	0.0	0.0	34.3
76	61.8	11.5	71.5

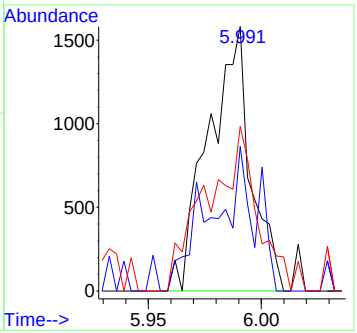


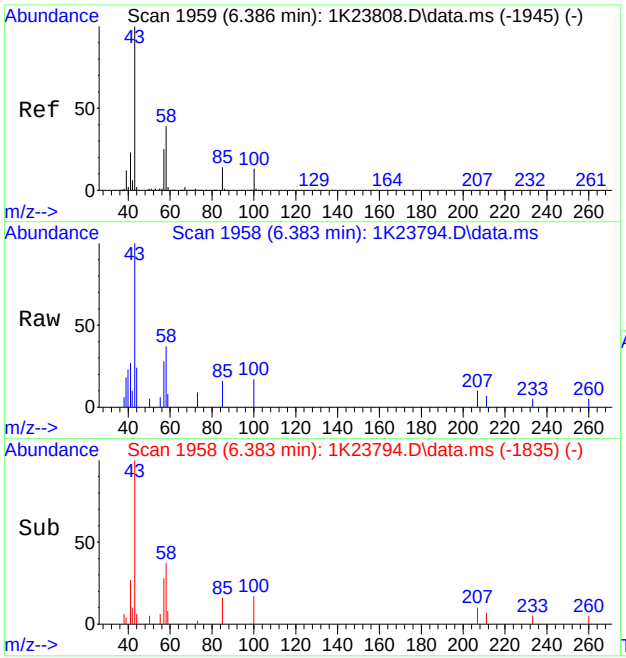


#69
cis-1,3-dichloropropene
Concen: 0.21 ug/L
RT: 5.991 min Scan# 1836
Delta R.T. 0.003 min
Lab File: 1K23794.D
Acq: 5 Sep 2025 9:07 pm

Tgt Ion: 75 Resp: 2069

Ion	Ratio	Lower	Upper
75	100		
77	54.6	2.2	62.2
39	62.3	31.6	91.6

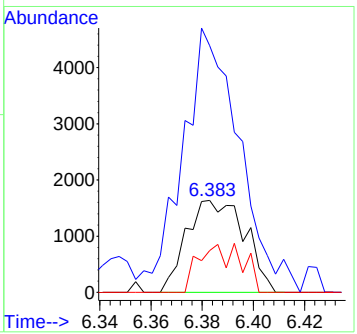


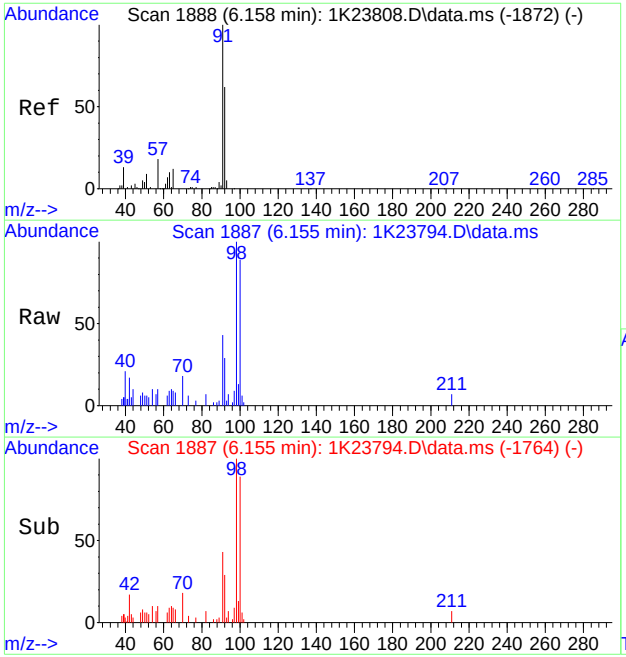


#70
4-methyl-2-pentanone
Concen: 0.71 ug/L
RT: 6.383 min Scan# 1958
Delta R.T. -0.003 min
Lab File: 1K23794.D
Acq: 5 Sep 2025 9:07 pm

Tgt Ion: 58 Resp: 2607

Ion	Ratio	Lower	Upper
58	100		
43	232.4	235.3	295.3#
100	45.5	2.2	62.2

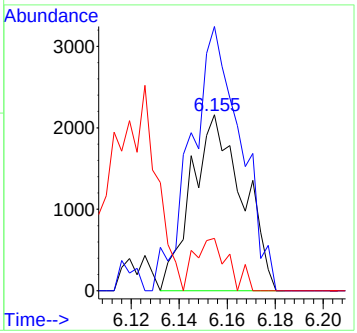


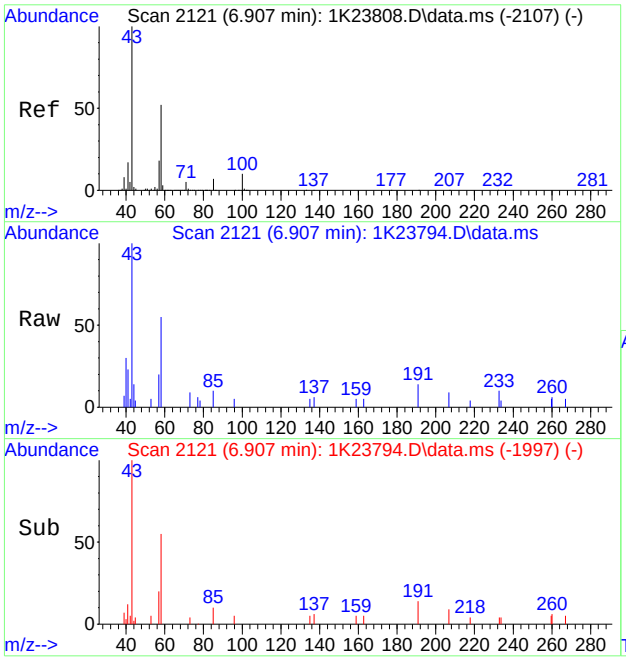


#74
toluene
Concen: 0.23 ug/L
RT: 6.155 min Scan# 1887
Delta R.T. -0.003 min
Lab File: 1K23794.D
Acq: 5 Sep 2025 9:07 pm

Tgt Ion: 92 Resp: 3185

Ion	Ratio	Lower	Upper
92	100		
91	150.2	140.0	180.0
65	29.8	0.0	39.6

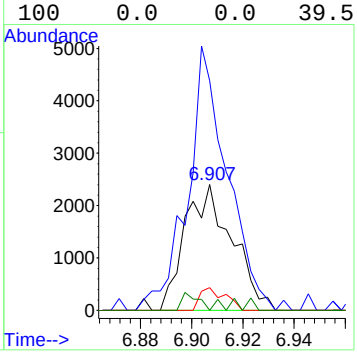


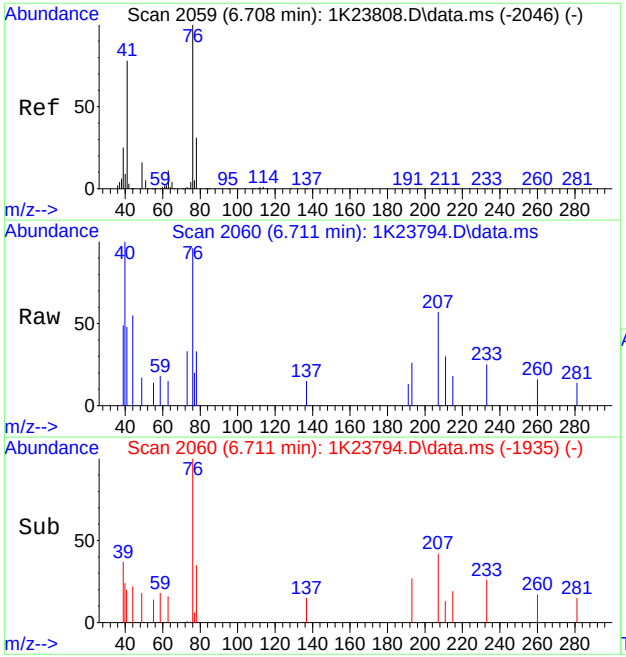


#79
2-hexanone
Concen: 0.83 ug/L
RT: 6.907 min Scan# 2121
Delta R.T. 0.000 min
Lab File: 1K23794.D
Acq: 5 Sep 2025 9:07 pm

Tgt Ion: 58 Resp: 3074

Ion	Ratio	Lower	Upper
58	100		
43	174.1	172.5	212.5
85	18.0	0.0	32.5
100	0.0	0.0	39.5

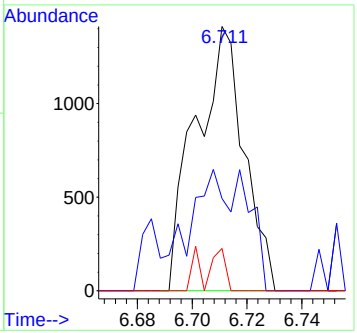


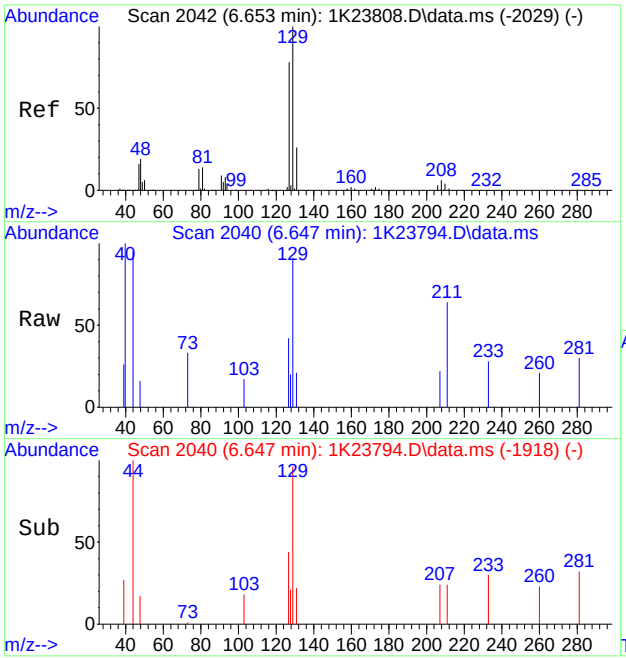


#80
1,3-dichloropropane
Concen: 0.19 ug/L
RT: 6.711 min Scan# 2060
Delta R.T. 0.003 min
Lab File: 1K23794.D
Acq: 5 Sep 2025 9:07 pm

Tgt Ion: 76 Resp: 1740

Ion	Ratio	Lower	Upper
76	100		
78	34.9	0.6	60.6
63	16.0	0.0	41.5

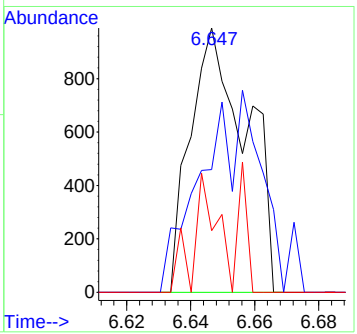


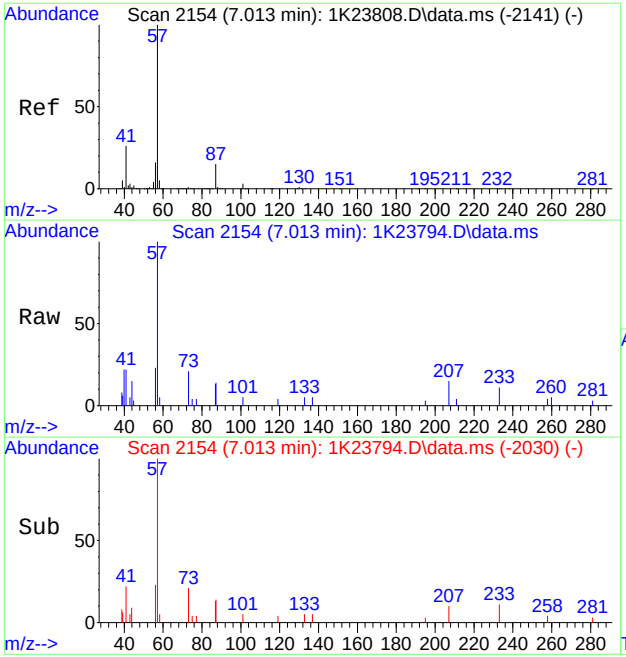


#82
dibromochloromethane
Concen: 0.22 ug/L
RT: 6.647 min Scan# 2040
Delta R.T. -0.006 min
Lab File: 1K23794.D
Acq: 5 Sep 2025 9:07 pm

Tgt Ion:129 Resp: 1205

Ion	Ratio	Lower	Upper
129	100		
127	68.5	47.8	107.8
131	23.3	0.0	55.8

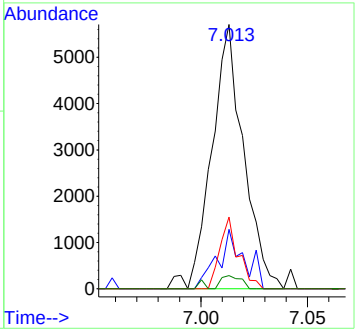


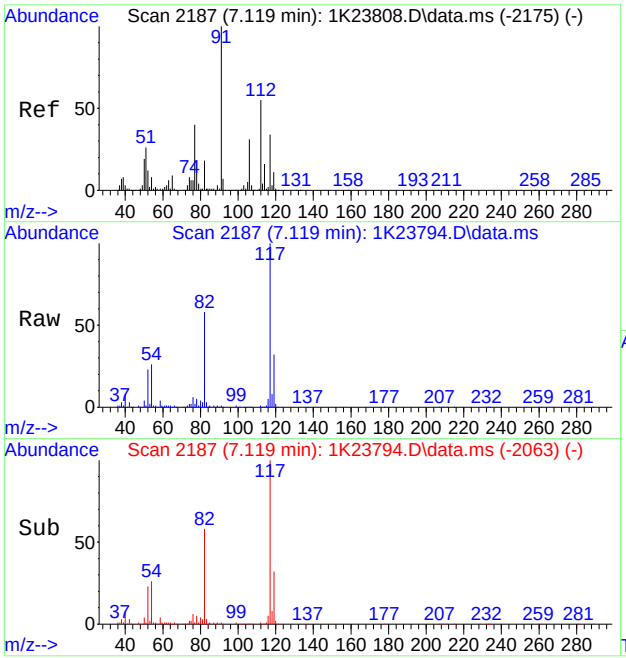


#84
n-butyl ether
Concen: 0.20 ug/L
RT: 7.013 min Scan# 2154
Delta R.T. 0.000 min
Lab File: 1K23794.D
Acq: 5 Sep 2025 9:07 pm

Tgt Ion: 57 Resp: 5943

Ion	Ratio	Lower	Upper
57	100		
56	22.5	0.0	45.7
87	27.1	0.0	44.9
101	5.0	0.0	33.4

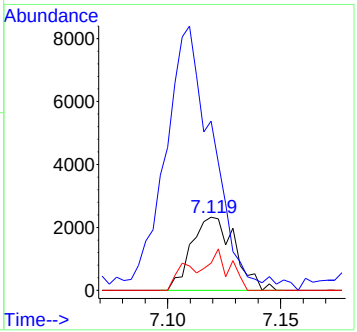


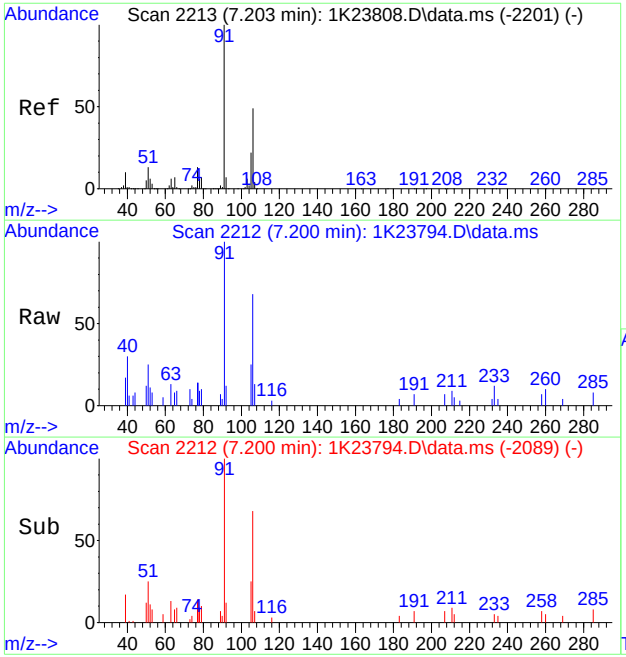


#85
chlorobenzene
Concen: 0.22 ug/L
RT: 7.119 min Scan# 2187
Delta R.T. 0.000 min
Lab File: 1K23794.D
Acq: 5 Sep 2025 9:07 pm

Tgt Ion:112 Resp: 3125

Ion	Ratio	Lower	Upper
112	100		
77	216.9	43.7	103.7#
114	37.2	0.0	59.8

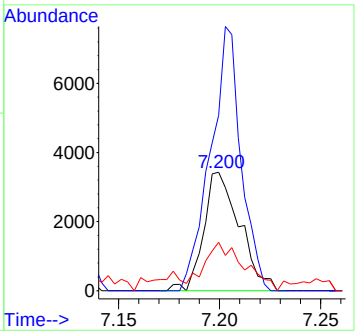


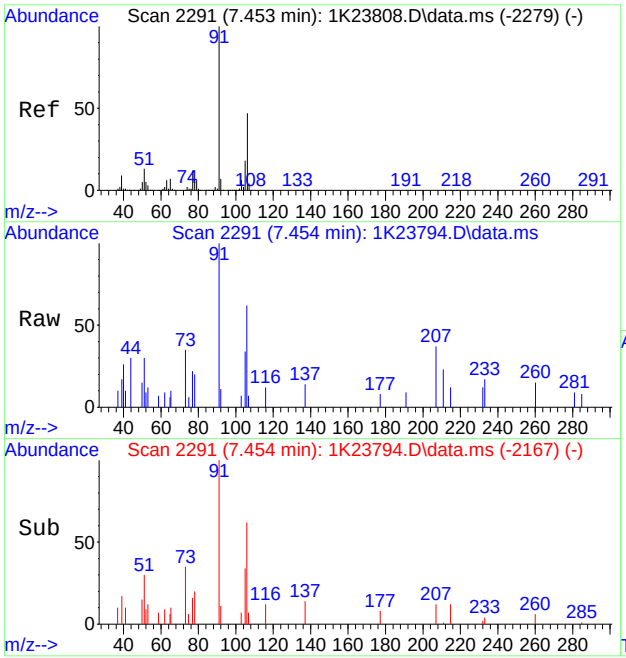


#88
m,p-xylene
Concen: 0.43 ug/L
RT: 7.200 min Scan# 2212
Delta R.T. -0.003 min
Lab File: 1K23794.D
Acq: 5 Sep 2025 9:07 pm

Tgt Ion:106 Resp: 4247

Ion	Ratio	Lower	Upper
106	100		
91	148.1	176.0	236.0#
77	32.6	5.9	45.9

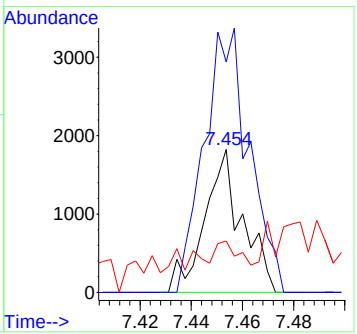


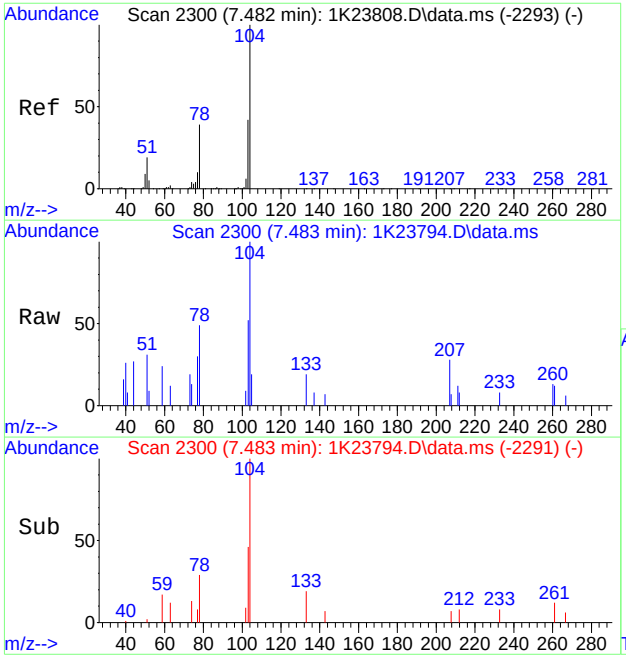


#89
o-xylene
Concen: 0.19 ug/L
RT: 7.454 min Scan# 2291
Delta R.T. 0.000 min
Lab File: 1K23794.D
Acq: 5 Sep 2025 9:07 pm

Tgt Ion:106 Resp: 1854

Ion	Ratio	Lower	Upper
106	100		
91	145.0	183.9	243.9#
77	20.0	5.0	45.0

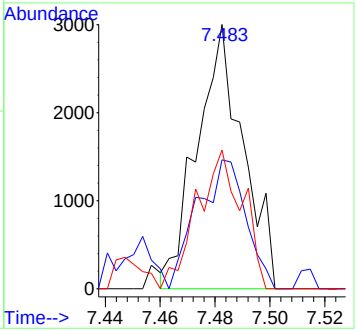


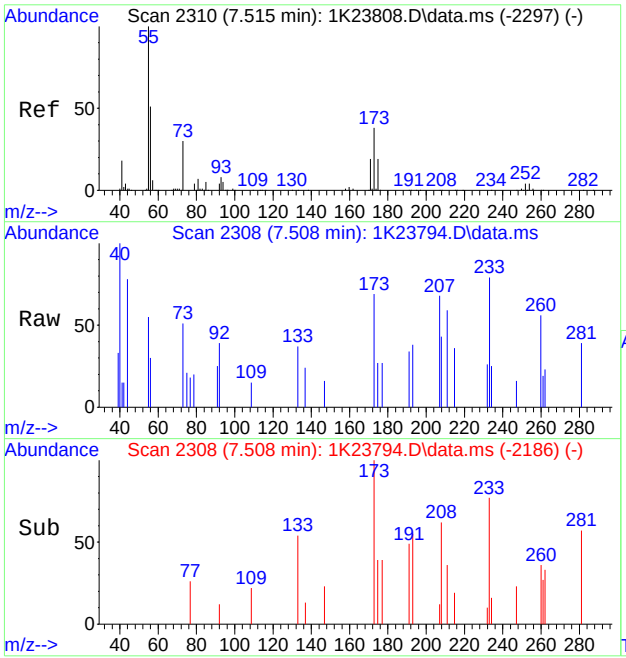


#90
styrene
Concen: 0.22 ug/L
RT: 7.483 min Scan# 2300
Delta R.T. 0.000 min
Lab File: 1K23794.D
Acq: 5 Sep 2025 9:07 pm

Tgt Ion:104 Resp: 3492

Ion	Ratio	Lower	Upper
104	100		
78	48.7	13.8	73.8
103	52.5	16.3	76.3

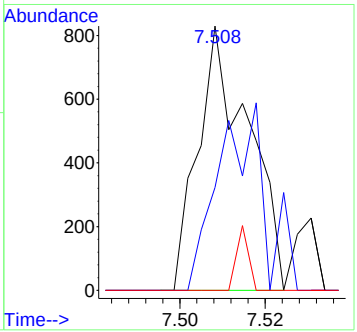


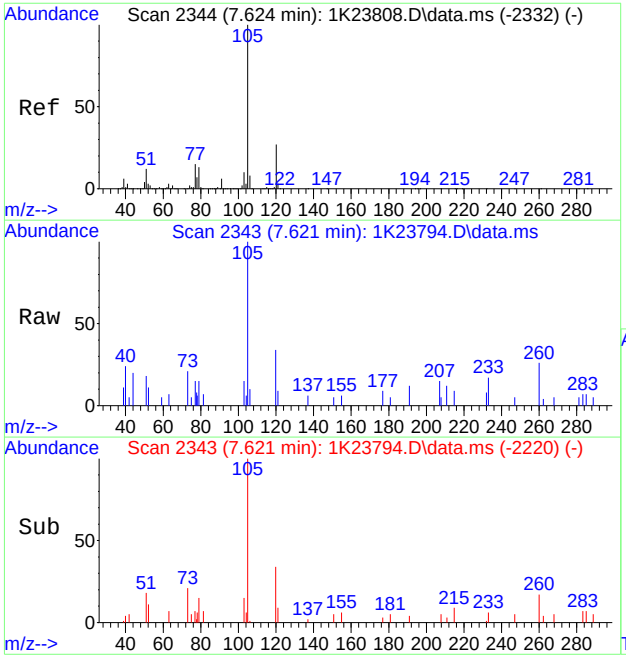


#91
bromoform
Concen: 0.17 ug/L
RT: 7.508 min Scan# 2308
Delta R.T. -0.006 min
Lab File: 1K23794.D
Acq: 5 Sep 2025 9:07 pm

Tgt Ion:173 Resp: 682

Ion	Ratio	Lower	Upper
173	100		
175	38.9	20.6	80.6
254	0.0	0.0	39.4

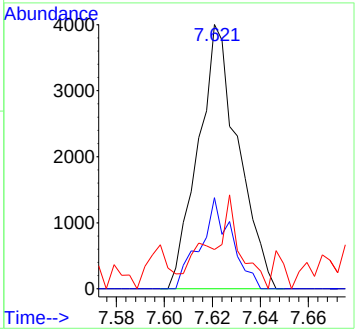


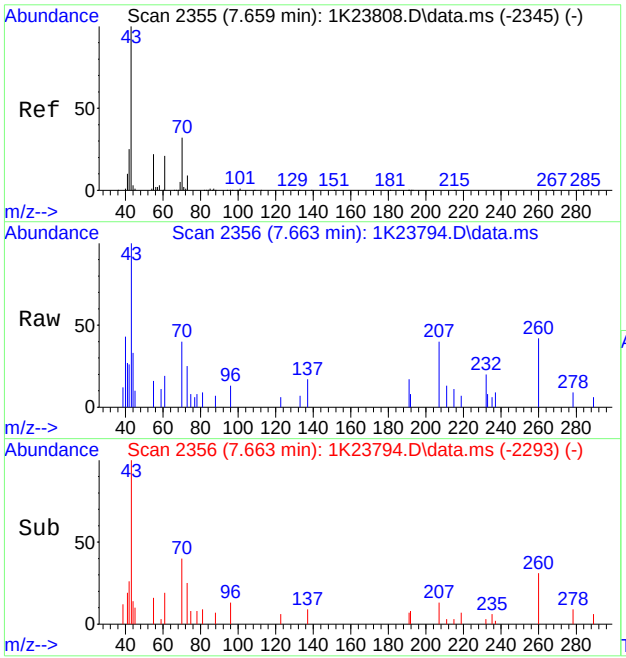


#93
isopropylbenzene
Concen: 0.19 ug/L
RT: 7.621 min Scan# 2343
Delta R.T. -0.003 min
Lab File: 1K23794.D
Acq: 5 Sep 2025 9:07 pm

Tgt Ion:105 Resp: 4626

Ion	Ratio	Lower	Upper
105	100		
120	34.5	7.4	47.4
77	5.4	0.0	35.4

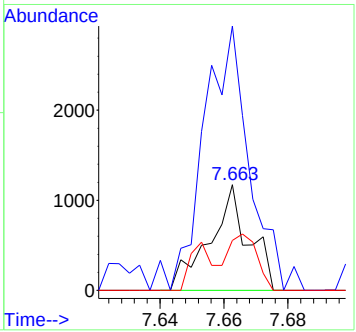


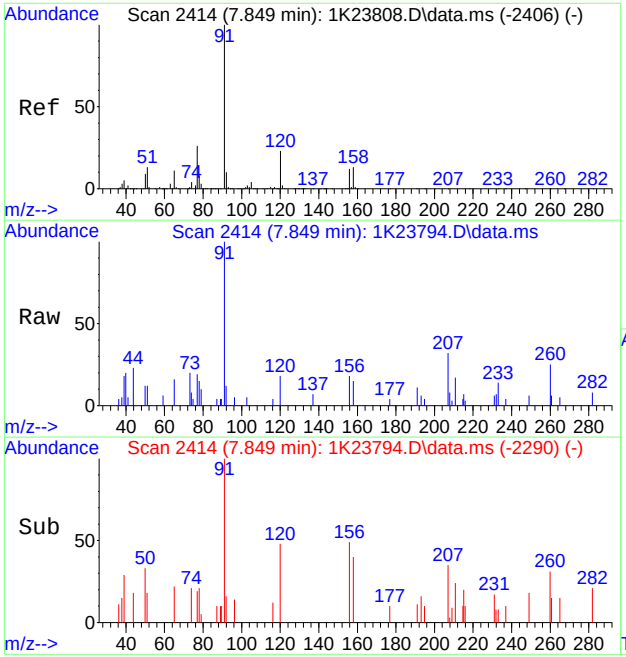


#94
n-amyl acetate
Concen: 0.20 ug/L
RT: 7.663 min Scan# 2356
Delta R.T. 0.003 min
Lab File: 1K23794.D
Acq: 5 Sep 2025 9:07 pm

Tgt Ion: 70 Resp: 990

Ion	Ratio	Lower	Upper
70	100		
43	250.3	293.9	333.9#
61	47.2	48.4	88.4#

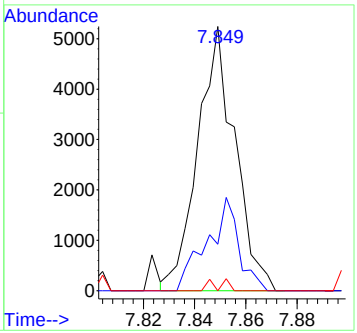


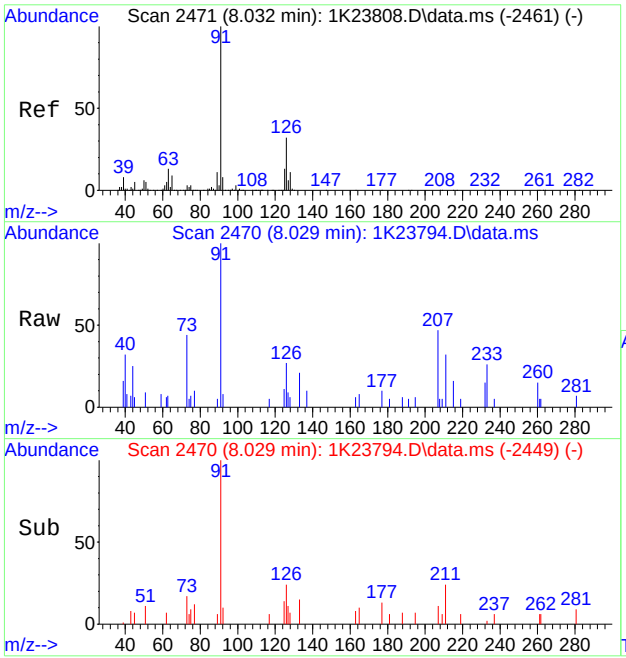


#102
n-propylbenzene
Concen: 0.19 ug/L
RT: 7.849 min Scan# 2414
Delta R.T. 0.000 min
Lab File: 1K23794.D
Acq: 5 Sep 2025 9:07 pm

Tgt Ion: 91 Resp: 5292

Ion	Ratio	Lower	Upper
91	100		
120	17.7	0.0	52.5
105	0.0	0.0	33.5

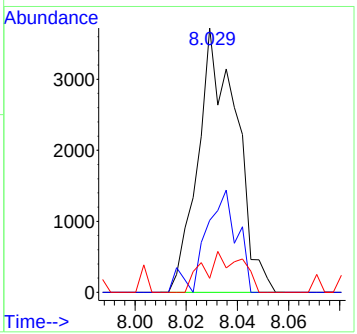


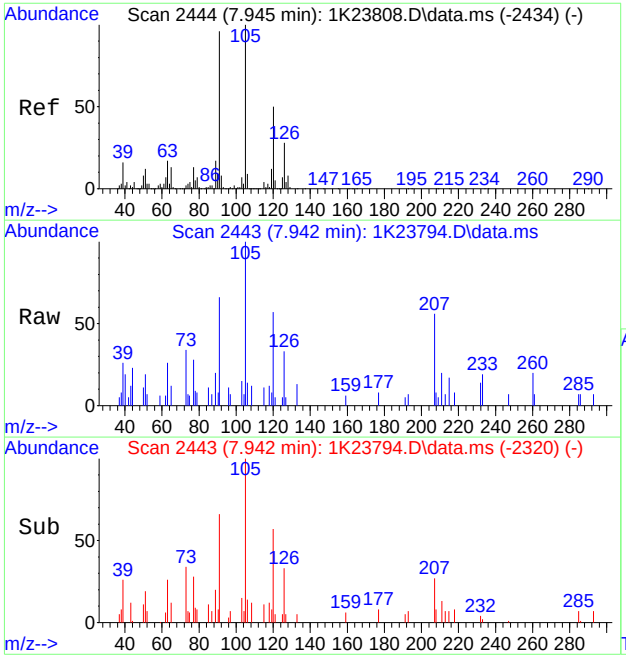


#104
4-chlorotoluene
Concen: 0.22 ug/L
RT: 8.029 min Scan# 2470
Delta R.T. -0.003 min
Lab File: 1K23794.D
Acq: 5 Sep 2025 9:07 pm

Tgt Ion: 91 Resp: 3885

Ion	Ratio	Lower	Upper
91	100		
126	27.3	2.1	62.1
89	5.3	0.0	41.4

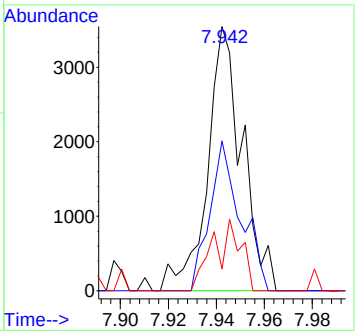


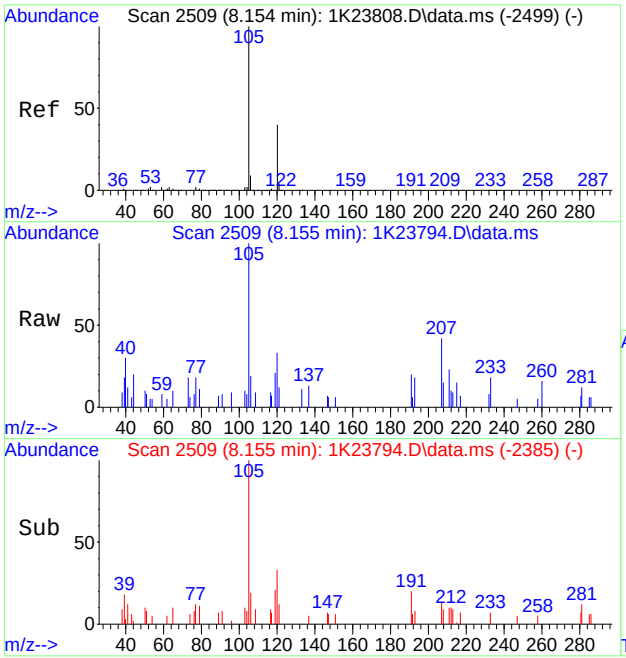


#105
1,3,5-trimethylbenzene
Concen: 0.19 ug/L
RT: 7.942 min Scan# 2443
Delta R.T. -0.003 min
Lab File: 1K23794.D
Acq: 5 Sep 2025 9:07 pm

Tgt Ion:105 Resp: 3576

Ion	Ratio	Lower	Upper
105	100		
120	56.7	20.0	80.0
119	8.2	0.0	41.7

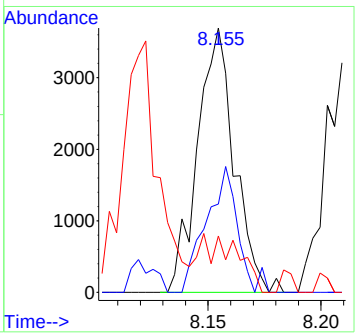


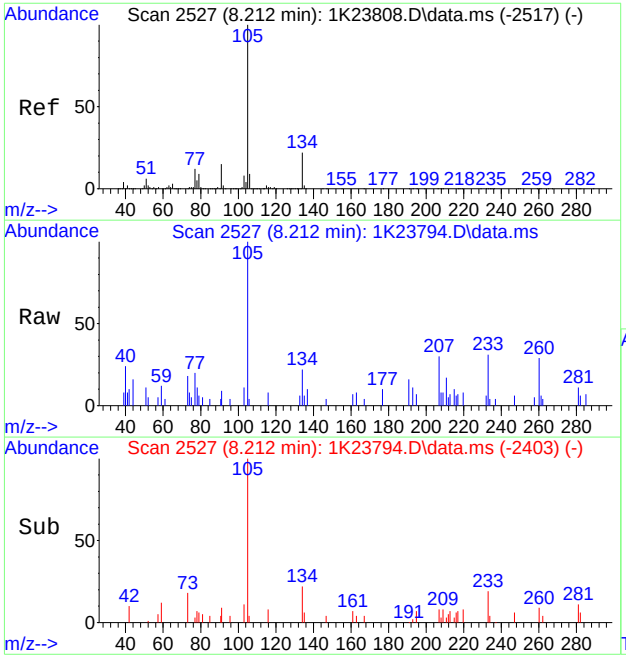


#107
1,2,4-trimethylbenzene
Concen: 0.22 ug/L
RT: 8.155 min Scan# 2509
Delta R.T. 0.000 min
Lab File: 1K23794.D
Acq: 5 Sep 2025 9:07 pm

Tgt Ion:105 Resp: 4179

Ion	Ratio	Lower	Upper
105	100		
120	33.4	17.1	77.1
119	12.8	0.0	42.1

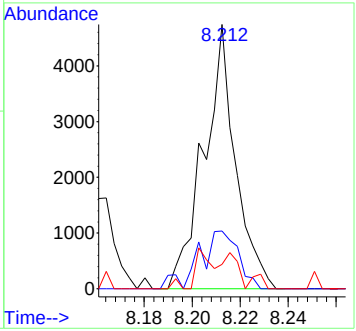


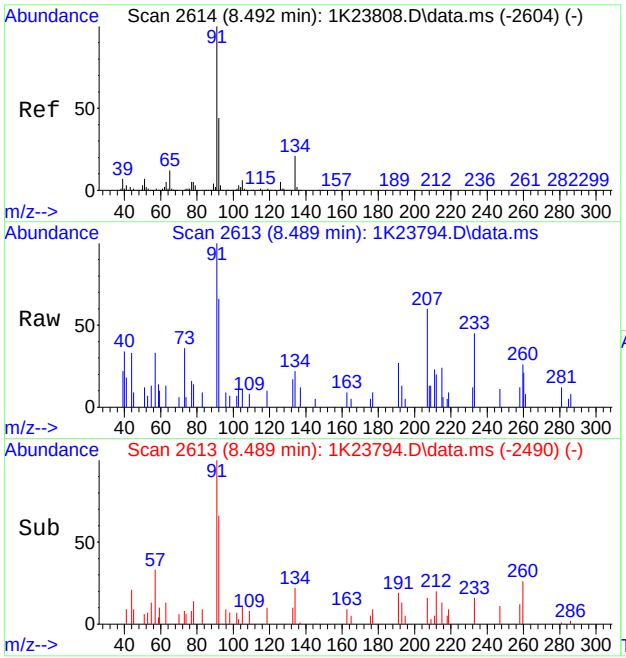


#108
sec-butylbenzene
Concen: 0.20 ug/L
RT: 8.212 min Scan# 2527
Delta R.T. 0.000 min
Lab File: 1K23794.D
Acq: 5 Sep 2025 9:07 pm

Tgt Ion:105 Resp: 4328

Ion	Ratio	Lower	Upper
105	100		
134	21.0	0.0	51.5
91	8.9	0.0	45.0

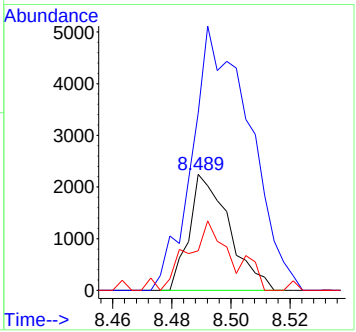




#114
n-butylbenzene
Concen: 0.22 ug/L
RT: 8.489 min Scan# 2613
Delta R.T. -0.003 min
Lab File: 1K23794.D
Acq: 5 Sep 2025 9:07 pm

Tgt Ion: 92 Resp: 2113

Ion	Ratio	Lower	Upper
92	100		
91	139.7	199.3	259.3#
134	34.0	17.7	77.7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 1K23796.D
Acq On : 5 Sep 2025 9:41 pm
Operator : PrashanS
Sample : IC658-0.5
Misc : MS95614,V1K658,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 08 11:06:15 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 11:00:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.544	65	239696	500.00	ug/L		0.06
5) pentafluorobenzene	4.804	168	719074	50.00	ug/L		0.00
50) 1,4-difluorobenzene	5.167	114	1086451	50.00	ug/L		0.00
72) chlorobenzene-d5	7.109	117	884948	50.00	ug/L		0.00
96) 1,4-dichlorobenzene-d4	8.376	152	415124	50.00	ug/L		0.00
124) pentafluorobenzene(a)	4.804	168	719074	50.00	ug/L		0.00
128) 1,4-dichlorobenzene-d4(a)	8.376	152	415124	50.00	ug/L		0.00
System Monitoring Compounds							
42) dibromofluoromethane (s)	4.521	113	298278	48.30	ug/L		0.00
Spiked Amount 50.000	Range 75 - 127		Recovery = 96.60%				
51) 1,2-dichloroethane-d4 (s)	4.875	65	375770	49.53	ug/L		0.00
Spiked Amount 50.000	Range 75 - 130		Recovery = 99.06%				
73) toluene-d8 (s)	6.119	98	1251199	51.33	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 102.66%				
97) 4-bromofluorobenzene (s)	7.791	95	438618	49.65	ug/L		0.00
Spiked Amount 50.000	Range 79 - 127		Recovery = 99.30%				
Target Compounds							Qvalue
6) chlorodifluoromethane	1.753	51	5243	0.4954	ug/L		85
7) dichlorodifluoromethane	1.708	85	3671	0.4775	ug/L		94
8) chloromethane	1.891	50	4287	0.4658	ug/L		89
9) vinyl chloride	1.955	62	3518	0.4998	ug/L		79
10) 1,3-butadiene	1.962	39	4165	0.5758	ug/L		88
12) chloroethane	2.357	64	1756	0.4461	ug/L		89
13) trichlorofluoromethane	2.470	101	4655	0.4625	ug/L		85
14) ethyl ether	2.711	74	1429	0.4124	ug/L	#	22
16) freon 113	2.904	151	2109	0.4743	ug/L	#	82
17) 1,1-dichloroethene	2.881	61	4726	0.4627	ug/L		98
18) acetone	3.377	58	1396	1.8769	ug/L	#	71
21) carbon disulfide	2.917	76	8204	0.5169	ug/L		75
24) methyl tert butyl ether	3.499	73	8224	0.4371	ug/L		80
25) trans-1,2-dichloroethene	3.444	96	2670	0.4512	ug/L	#	74
26) hexane	3.495	57	7378	0.4922	ug/L		84
27) di-isopropyl ether	3.762	45	12059	0.4942	ug/L		86
28) ethyl tert-butyl ether	4.007	59	9775	0.4378	ug/L		82
30) 1,1-dichloroethane	3.878	63	5095	0.4712	ug/L		90
31) chloroprene	3.852	53	5567	0.4326	ug/L		87
32) acrylonitrile	3.910	52	1248	0.4074	ug/L	#	53
35) 2,2-dichloropropane	4.309	77	4846	0.5331	ug/L		82
36) cis-1,2-dichloroethene	4.232	96	3005	0.5338	ug/L	#	79
44) 1,1,1-trichloroethane	4.553	97	4680	0.5181	ug/L		84
45) cyclohexane	4.380	84	3444	0.4281	ug/L	#	68
46) 1,1-dichloropropene	4.634	75	3478	0.3949	ug/L	#	83
52) iso-octane	4.685	57	10495	0.4779	ug/L		82
53) benzene	4.794	78	10776	0.4800	ug/L		89
54) tert-amyl methyl ether	4.843	73	9809	0.5658	ug/L		86
57) 1,2-dichloroethane	4.923	62	4818	0.5788	ug/L		98
59) ethyl acrylate	5.476	55	5176	0.4669	ug/L		82
60) trichloroethene	5.164	130	2392	0.4350	ug/L		83
62) 2-chloroethyl vinyl ether	5.923	63	9575	2.3386	ug/L		89
64) 1,2-dichloropropane	5.518	63	2842	0.4553	ug/L		79
65) methylcyclohexane	5.167	98	2168	0.5647	ug/L	#	1
66) dibromomethane	5.454	93	1659	0.5179	ug/L	#	63
67) bromodichloromethane	5.540	83	3537	0.4884	ug/L		95
69) cis-1,3-dichloropropene	5.987	75	3977	0.4229	ug/L		88
70) 4-methyl-2-pentanone	6.389	58	7411	2.2742	ug/L	#	60

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 1K23796.D
Acq On : 5 Sep 2025 9:41 pm
Operator : PrashanS
Sample : IC658-0.5
Misc : MS95614,V1K658,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 08 11:06:15 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 11:00:19 2025
Response via : Initial Calibration

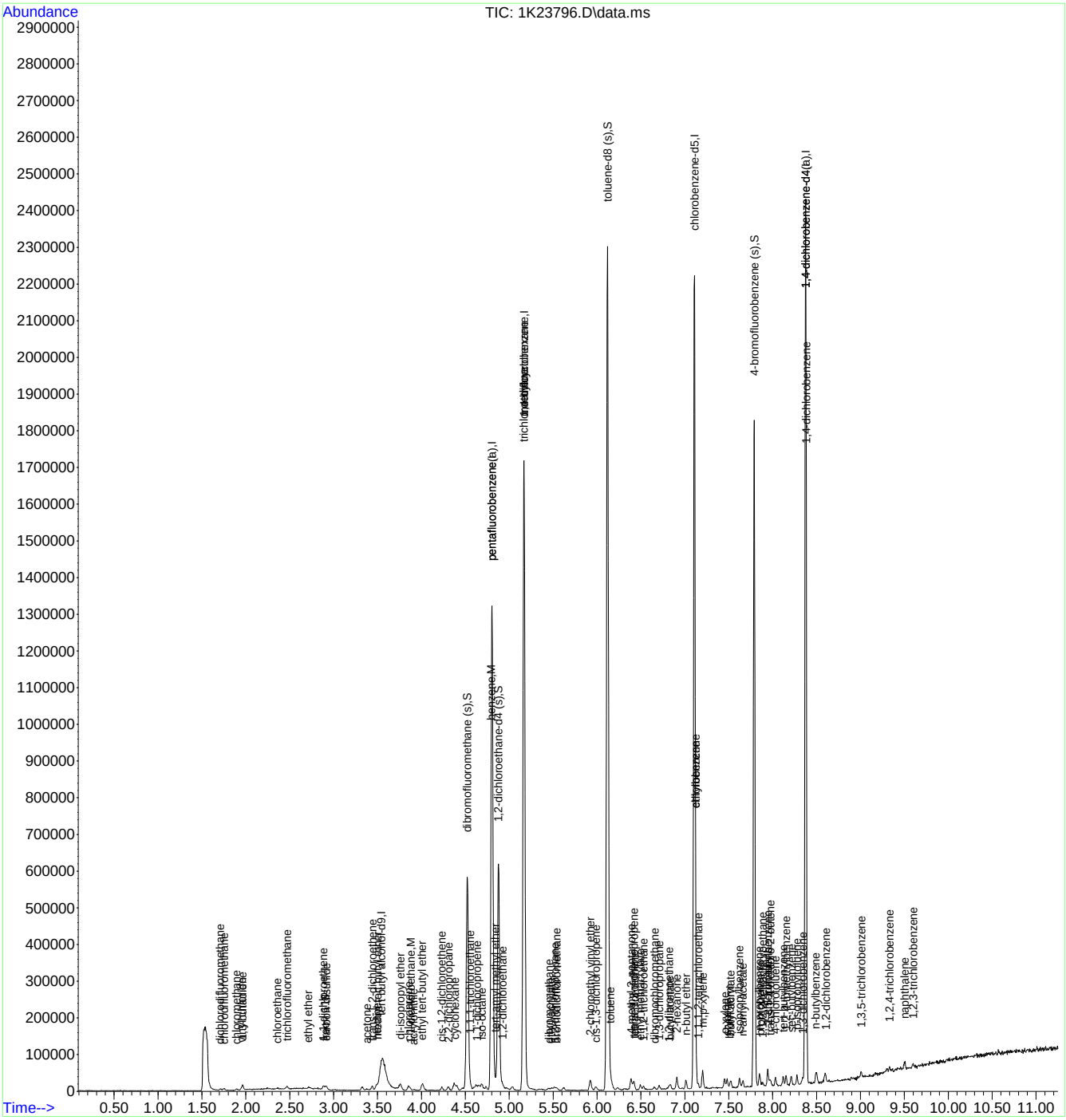
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
74) toluene	6.151	92	7316	0.5159	ug/L	#	71
75) ethyl methacrylate	6.492	69	3997	0.4987	ug/L	#	78
76) trans-1,3-dichloropropene	6.421	75	4582	0.5254	ug/L		94
77) 1,1,2-trichloroethane	6.528	83	1751	0.4457	ug/L		85
78) tetrachloroethene	6.425	166	2750	0.5468	ug/L		73
79) 2-hexanone	6.907	58	7412	2.0503	ug/L	#	64
80) 1,3-dichloropropane	6.708	76	4146	0.4842	ug/L		95
81) butyl acetate	6.830	56	3317	0.5780	ug/L	#	80
82) dibromochloromethane	6.656	129	2745	0.4936	ug/L		74
83) 1,2-dibromoethane	6.820	107	2214	0.4515	ug/L	#	67
84) n-butyl ether	7.013	57	14136	0.4960	ug/L		91
85) chlorobenzene	7.122	112	7244	0.5050	ug/L		94
86) 1,1,1,2-tetrachloroethane	7.155	131	2857	0.5687	ug/L		81
87) ethylbenzene	7.122	91	14467	0.5870	ug/L		86
88) m,p-xylene	7.206	106	9505	0.9687	ug/L		84
89) o-xylene	7.457	106	4837	0.5341	ug/L	#	71
90) styrene	7.479	104	8174	0.5072	ug/L		81
91) bromoform	7.511	173	2046	0.5687	ug/L		79
92) butyl acrylate	7.521	55	7733	0.5053	ug/L		86
93) isopropylbenzene	7.621	105	11634	0.5164	ug/L		99
94) n-amyl acetate	7.659	70	2266	0.4709	ug/L	#	57
98) bromobenzene	7.862	156	2889	0.5250	ug/L	#	36
99) 1,1,2,2-tetrachloroethane	7.884	83	3654	0.5336	ug/L		95
100) trans-1,4-dichloro-2-b...	7.974	53	1499	0.4822	ug/L		96
102) n-propylbenzene	7.846	91	13320	0.5169	ug/L		93
103) 2-chlorotoluene	7.945	126	2761	0.5261	ug/L	#	58
104) 4-chlorotoluene	8.029	91	8616	0.4865	ug/L		91
105) 1,3,5-trimethylbenzene	7.945	105	8536	0.4868	ug/L		90
106) tert-butylbenzene	8.122	119	7431	0.4925	ug/L		80
107) 1,2,4-trimethylbenzene	8.151	105	9229	0.4814	ug/L		98
108) sec-butylbenzene	8.216	105	9897	0.4777	ug/L		94
109) 1,3-dichlorobenzene	8.344	146	5249	0.5088	ug/L		90
110) p-isopropyltoluene	8.277	119	9227	0.5211	ug/L		92
111) 1,4-dichlorobenzene	8.383	146	6107	0.5868	ug/L	#	42
112) 1,2-dichlorobenzene	8.605	146	4678	0.4762	ug/L		85
114) n-butylbenzene	8.489	92	4881	0.5070	ug/L	#	67
116) 1,3,5-trichlorobenzene	9.010	180	3296	0.5846	ug/L	#	75
117) 1,2,4-trichlorobenzene	9.331	180	3029	0.5987	ug/L		85
119) naphthalene	9.502	128	8525	0.5038	ug/L		76
120) 1,2,3-trichlorobenzene	9.598	180	2357	0.5130	ug/L		84

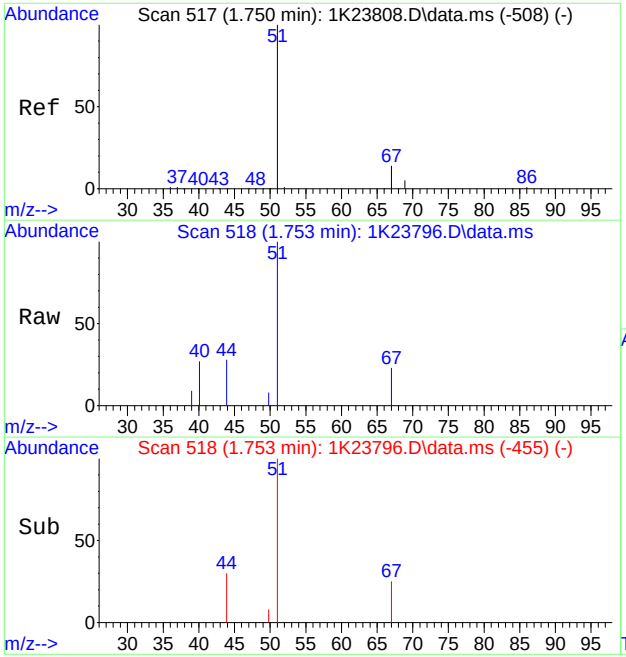
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 1K23796.D
Acq On : 5 Sep 2025 9:41 pm
Operator : PrashanS
Sample : IC658-0.5
Misc : MS95614,V1K658,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 08 11:06:15 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 11:00:19 2025
Response via : Initial Calibration

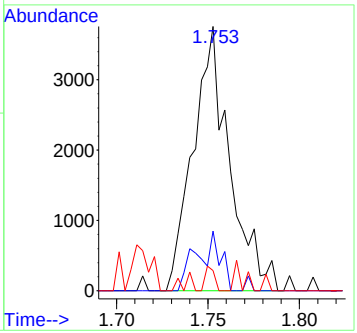


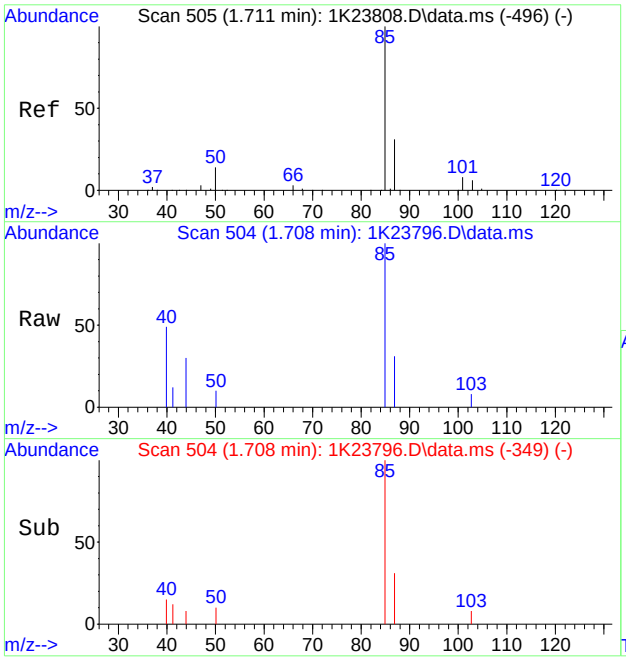


#6
chlorodifluoromethane
Concen: 0.50 ug/L
RT: 1.753 min Scan# 518
Delta R.T. 0.003 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion: 51 Resp: 5243

Ion	Ratio	Lower	Upper
51	100		
67	22.6	0.0	44.3
50	7.6	0.0	36.5

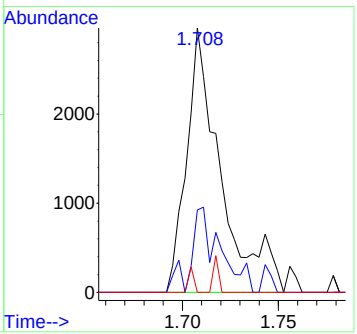


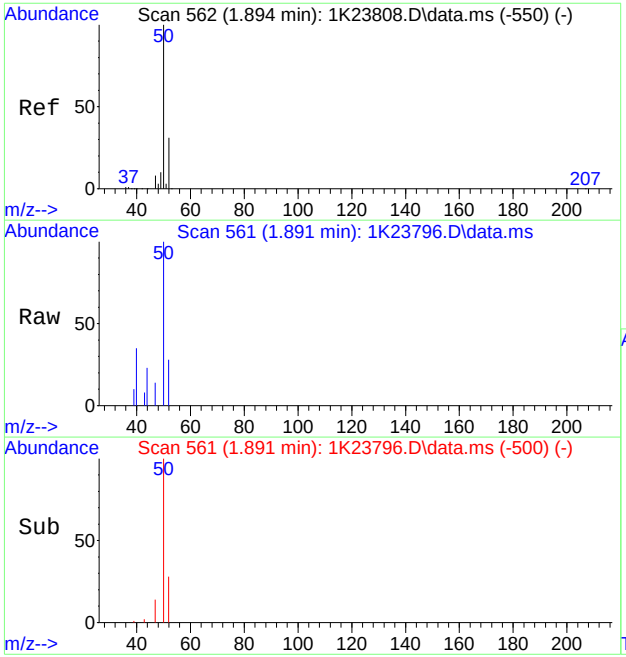


#7
dichlorodifluoromethane
Concen: 0.48 ug/L
RT: 1.708 min Scan# 504
Delta R.T. -0.003 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion: 85 Resp: 3671

Ion	Ratio	Lower	Upper
85	100		
87	31.2	0.7	60.7
101	0.0	0.0	38.3

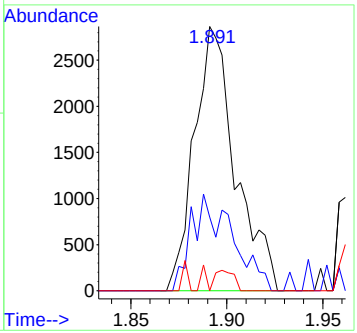


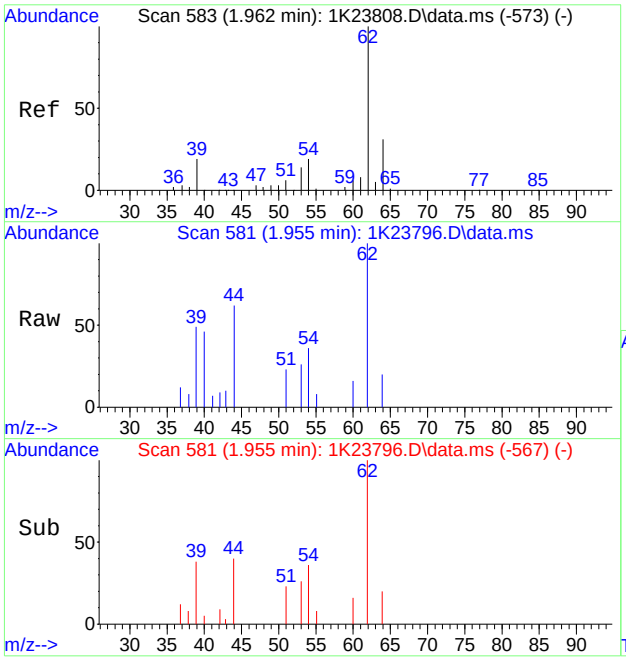


#8
chloromethane
Concen: 0.47 ug/L
RT: 1.891 min Scan# 561
Delta R.T. -0.003 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion: 50 Resp: 4287

Ion	Ratio	Lower	Upper
50	100		
52	27.9	1.4	61.4
49	0.0	0.0	40.1

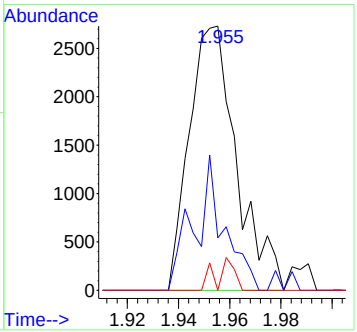


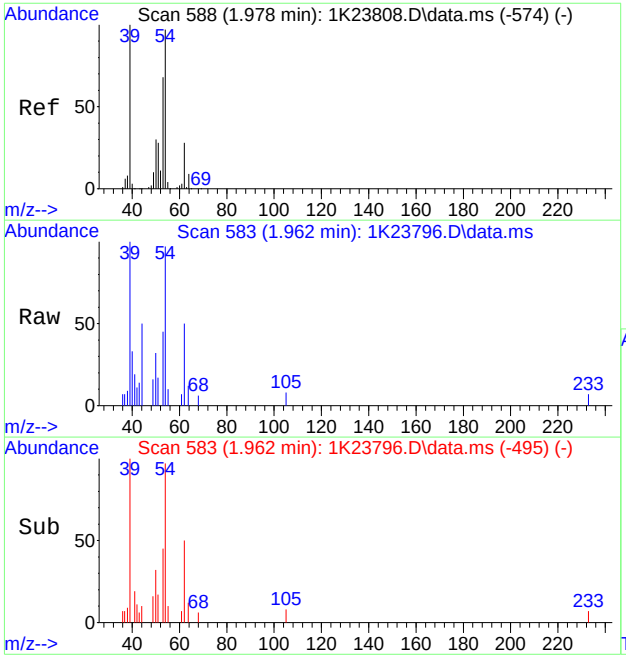


#9
vinyl chloride
Concen: 0.50 ug/L
RT: 1.955 min Scan# 581
Delta R.T. -0.006 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion: 62 Resp: 3518

Ion	Ratio	Lower	Upper
62	100		
64	19.8	0.6	60.6
61	0.0	0.0	38.4

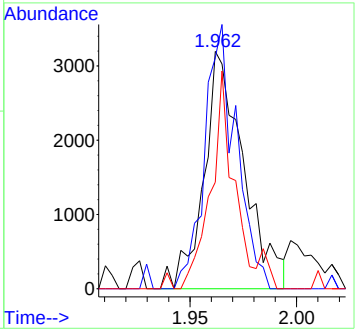


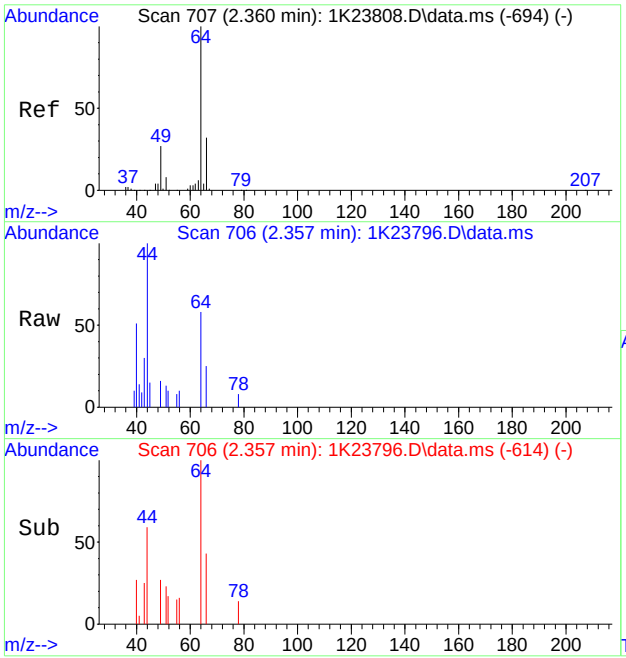


#10
1,3-butadiene
Concen: 0.58 ug/L
RT: 1.962 min Scan# 583
Delta R.T. -0.016 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion: 39 Resp: 4165

Ion	Ratio	Lower	Upper
39	100		
54	97.3	67.0	127.0
53	44.8	38.5	98.5

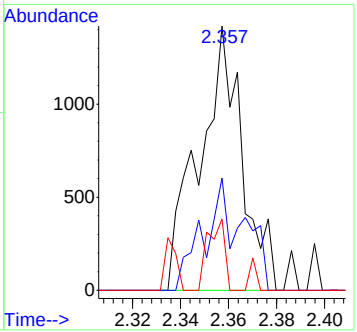


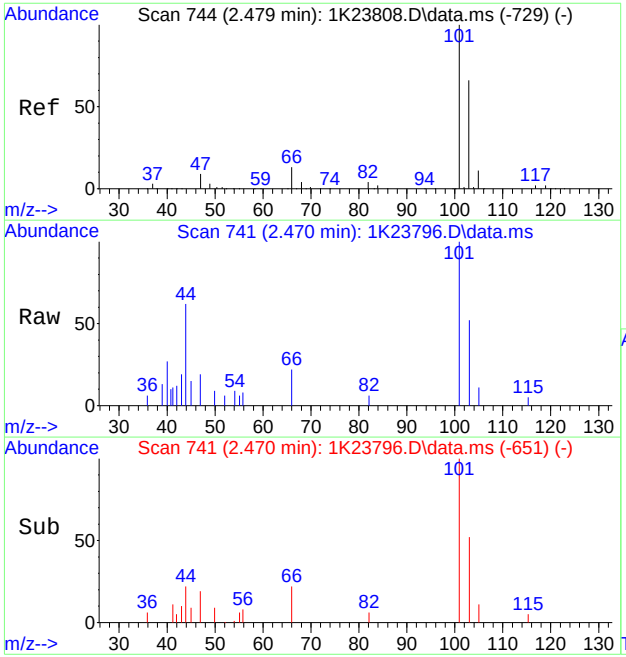


#12
chloroethane
Concen: 0.45 ug/L
RT: 2.357 min Scan# 706
Delta R.T. -0.003 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion: 64 Resp: 1756

Ion	Ratio	Lower	Upper
64	100		
66	42.5	1.6	61.6
49	27.0	0.0	57.3

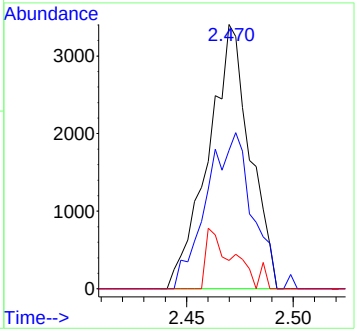


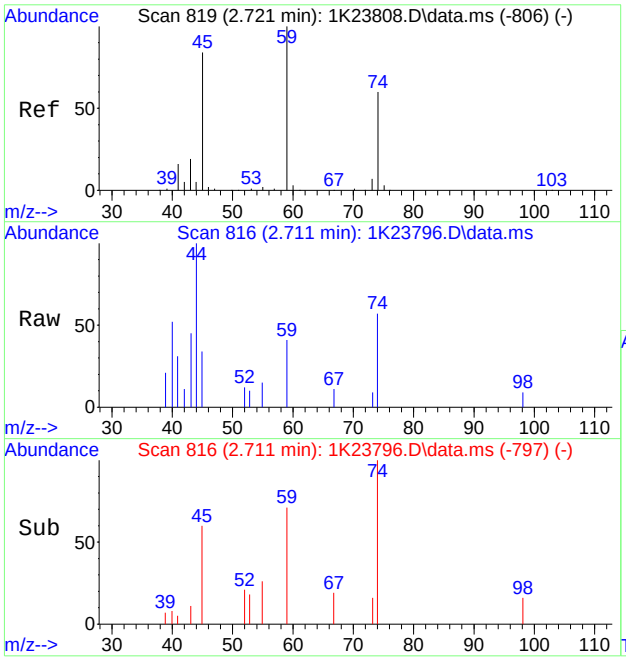


#13
trichlorofluoromethane
Concen: 0.46 ug/L
RT: 2.470 min Scan# 741
Delta R.T. -0.010 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion:101 Resp: 4655

Ion	Ratio	Lower	Upper
101	100		
103	52.3	35.9	95.9
105	10.7	0.0	40.9

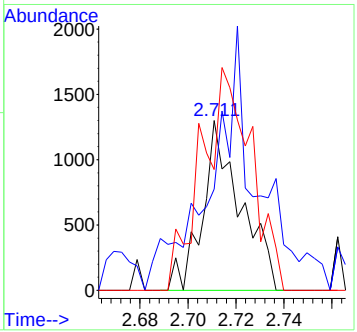


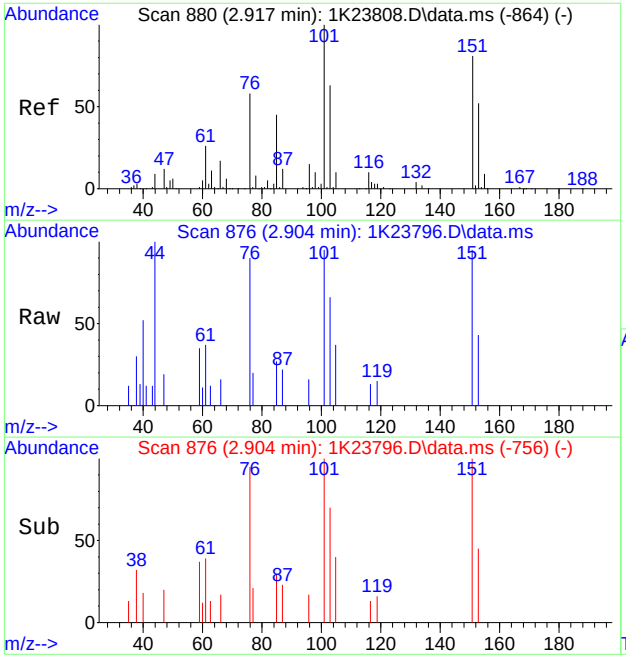


#14
ethyl ether
Concen: 0.41 ug/L
RT: 2.711 min Scan# 816
Delta R.T. -0.010 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion: 74 Resp: 1429

Ion	Ratio	Lower	Upper
74	100		
45	32.6	108.3	168.3#
59	71.1	135.3	195.3#

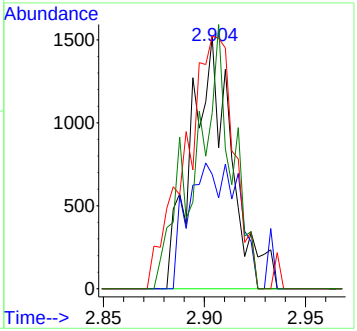


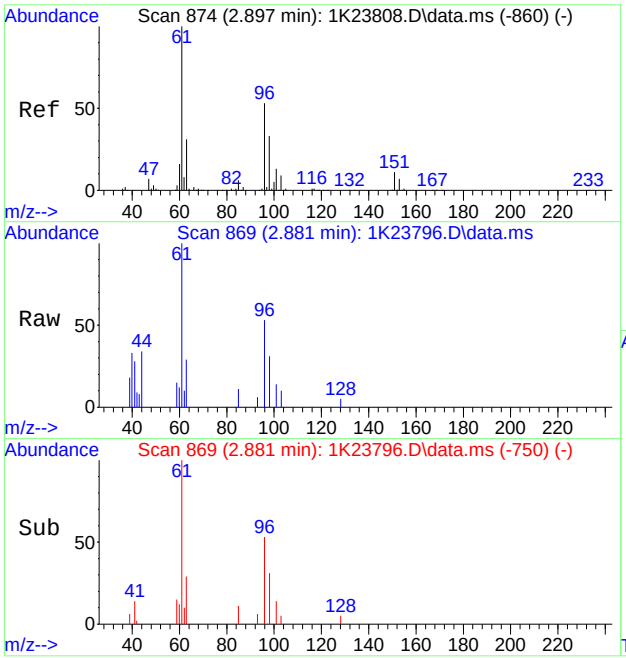


#16
freon 113
Concen: 0.47 ug/L
RT: 2.904 min Scan# 876
Delta R.T. -0.013 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion:151 Resp: 2109

Ion	Ratio	Lower	Upper
151	100		
153	45.4	44.4	84.4
101	100.2	102.8	142.8#
103	69.9	57.7	97.7

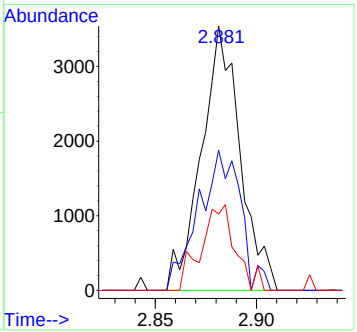


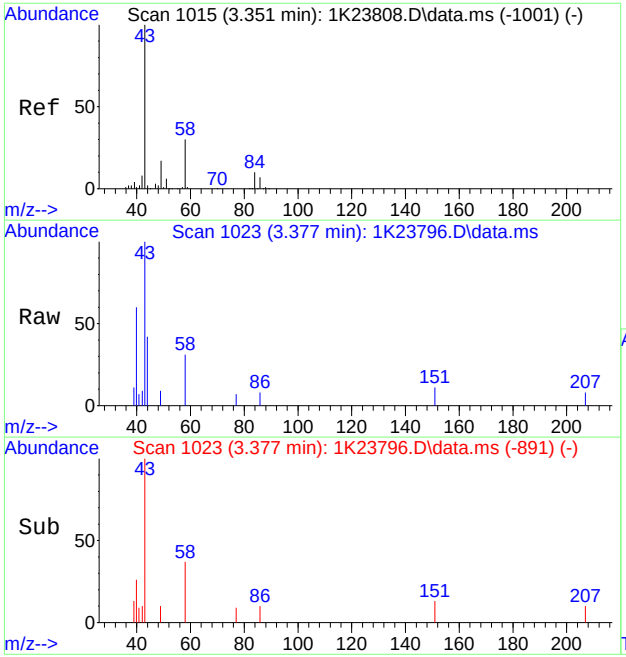


#17
1,1-dichloroethene
Concen: 0.46 ug/L
RT: 2.881 min Scan# 869
Delta R.T. -0.016 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion: 61 Resp: 4726

Ion	Ratio	Lower	Upper
61	100		
96	53.0	23.2	83.2
63	28.9	1.0	61.0

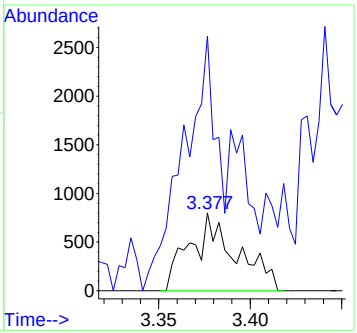


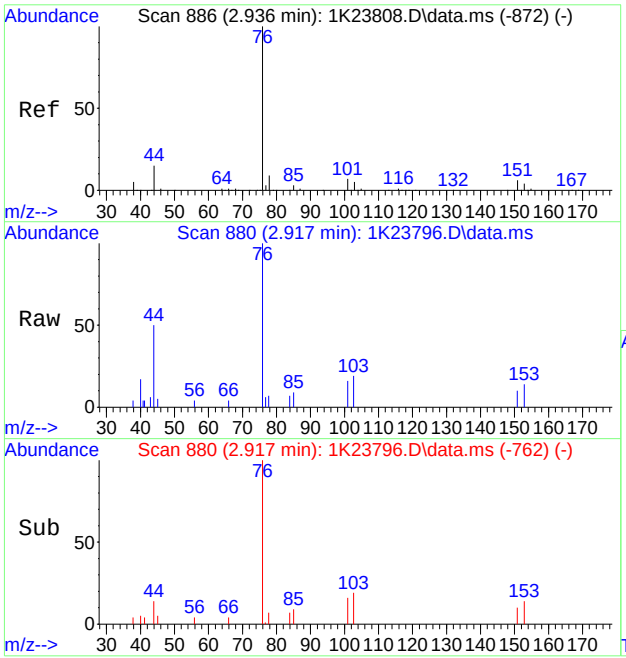


#18
acetone
Concen: 1.88 ug/L
RT: 3.377 min Scan# 1023
Delta R.T. 0.026 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion: 58 Resp: 1396

Ion	Ratio	Lower	Upper
58	100		
43	268.9	300.4	360.4#

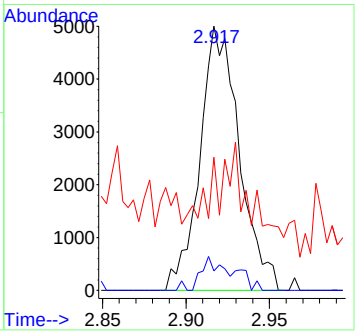


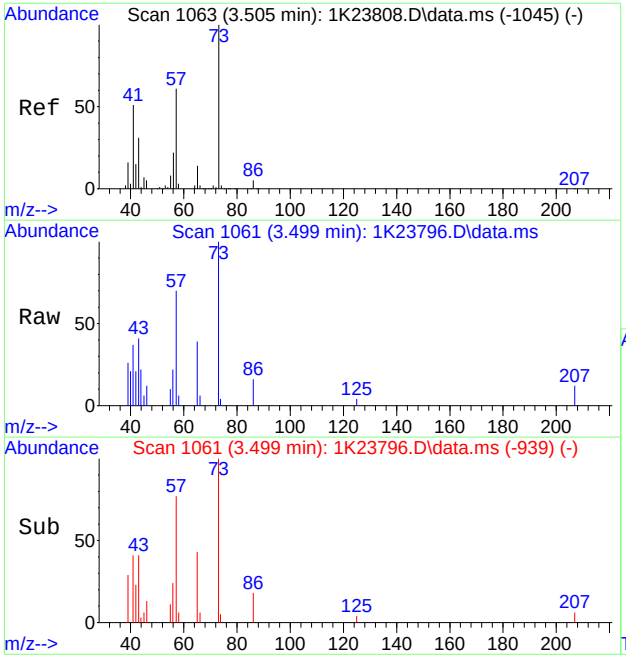


#21
carbon disulfide
Concen: 0.52 ug/L
RT: 2.917 min Scan# 880
Delta R.T. -0.019 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion: 76 Resp: 8204

Ion	Ratio	Lower	Upper
76	100		
78	7.4	0.0	39.5
44	30.4	0.0	44.8

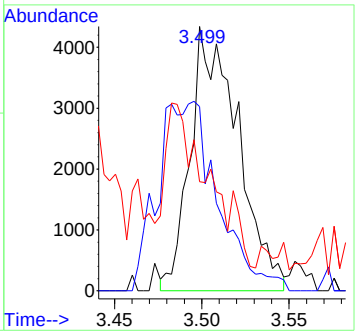


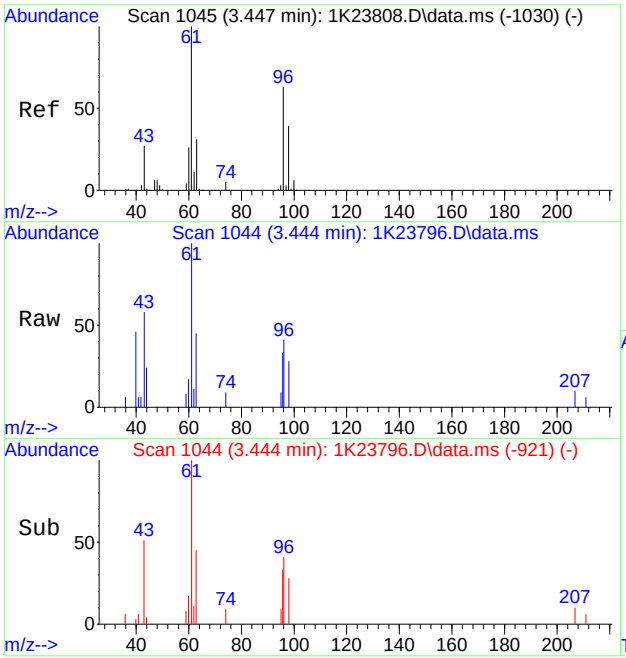


#24
methyl tert butyl ether
Concen: 0.44 ug/L
RT: 3.499 min Scan# 1061
Delta R.T. -0.006 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion: 73 Resp: 8224

Ion	Ratio	Lower	Upper
73	100		
57	65.6	30.7	90.7
43	23.0	18.2	78.2

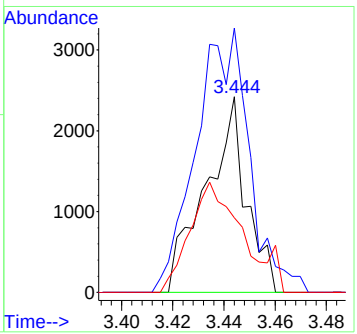


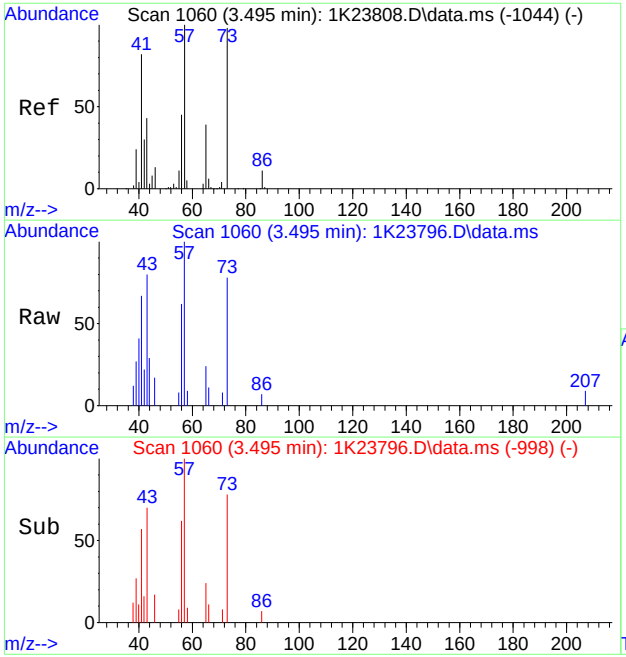


#25
trans-1,2-dichloroethene
Concen: 0.45 ug/L
RT: 3.444 min Scan# 1044
Delta R.T. -0.003 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion: 96 Resp: 2670

Ion	Ratio	Lower	Upper
96	100		
61	127.8	128.8	188.8#
98	38.1	32.4	92.4

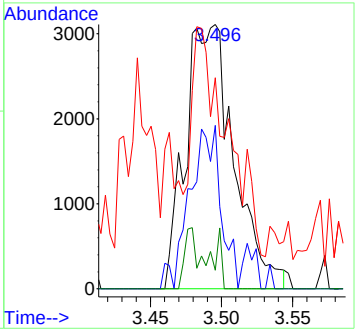


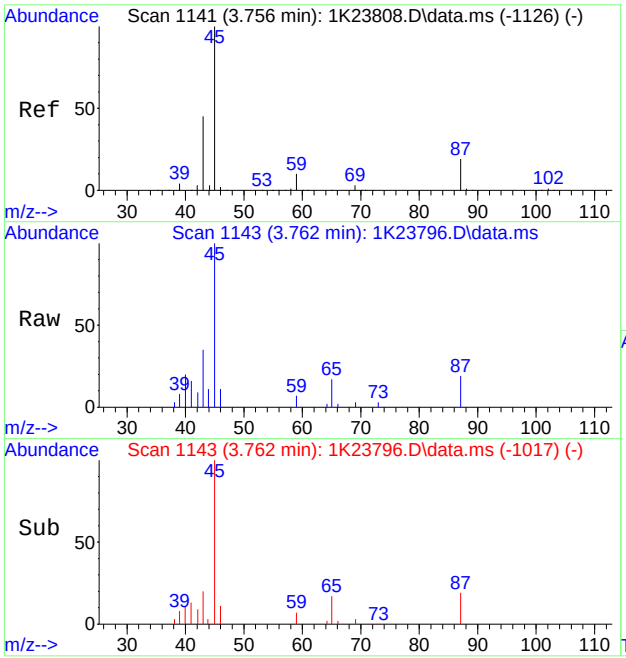


#26
hexane
Concen: 0.49 ug/L
RT: 3.495 min Scan# 1060
Delta R.T. 0.000 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion: 57 Resp: 7378

Ion	Ratio	Lower	Upper
57	100		
56	61.8	24.9	64.9
43	62.0	50.9	90.9
86	7.0	0.0	31.2

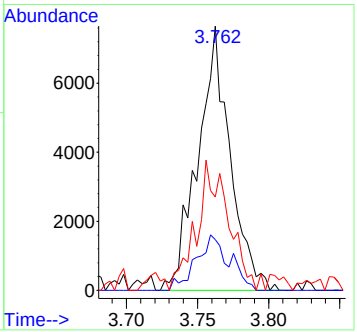


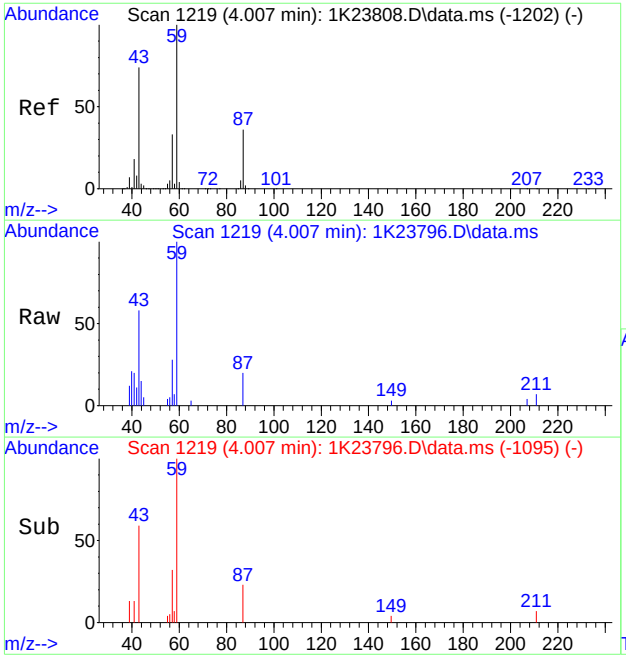


#27
di-isopropyl ether
Concen: 0.49 ug/L
RT: 3.762 min Scan# 1143
Delta R.T. 0.007 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion: 45 Resp: 12059

Ion	Ratio	Lower	Upper
45	100		
87	19.2	0.0	48.8
43	31.8	14.9	74.9

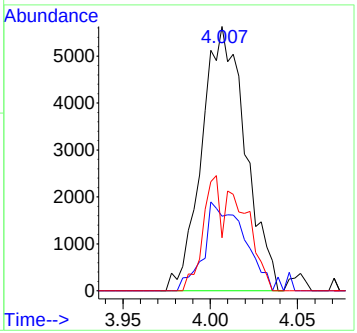


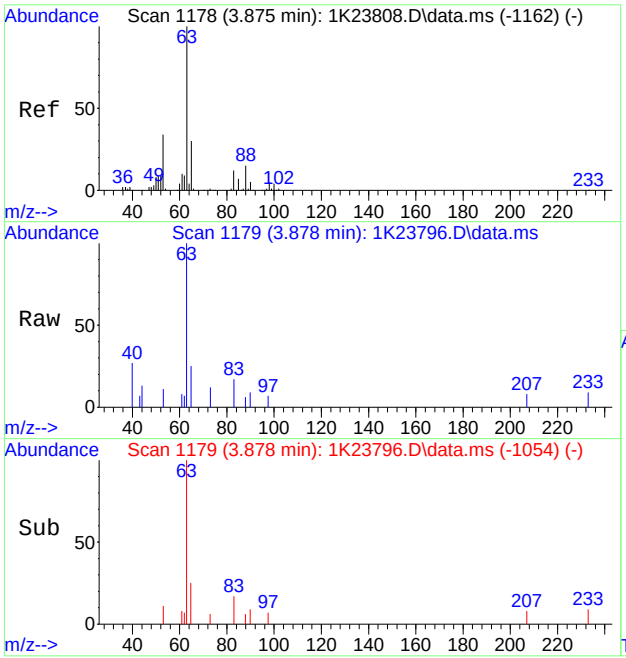


#28
ethyl tert-butyl ether
Concen: 0.44 ug/L
RT: 4.007 min Scan# 1219
Delta R.T. 0.000 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion: 59 Resp: 9775

Ion	Ratio	Lower	Upper
59	100		
57	28.2	2.6	62.6
87	20.0	5.8	65.8

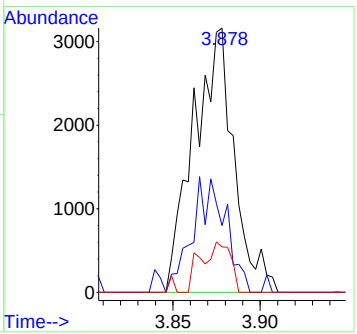


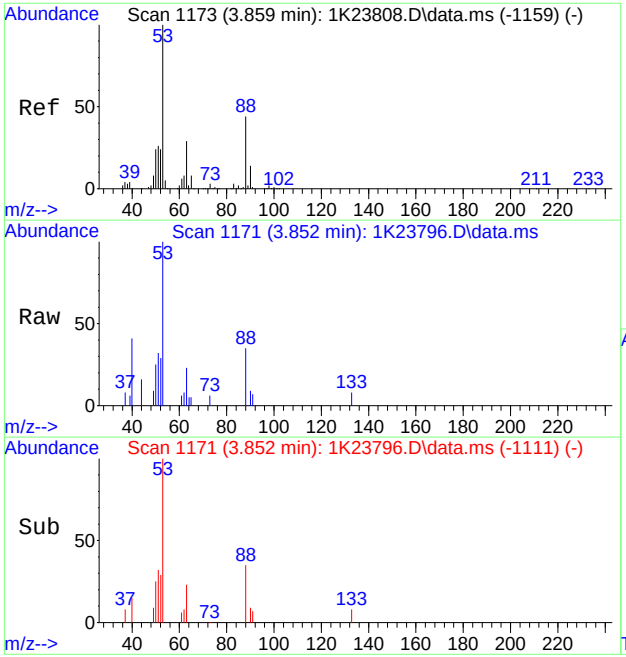


#30
1,1-dichloroethane
Concen: 0.47 ug/L
RT: 3.878 min Scan# 1179
Delta R.T. 0.003 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion: 63 Resp: 5095

Ion	Ratio	Lower	Upper
63	100		
65	25.3	0.2	60.2
83	17.2	0.0	42.0

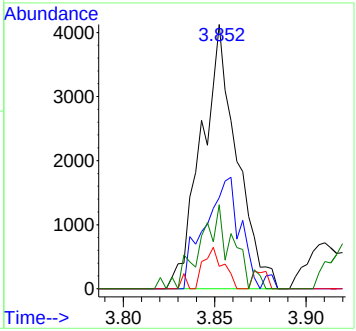


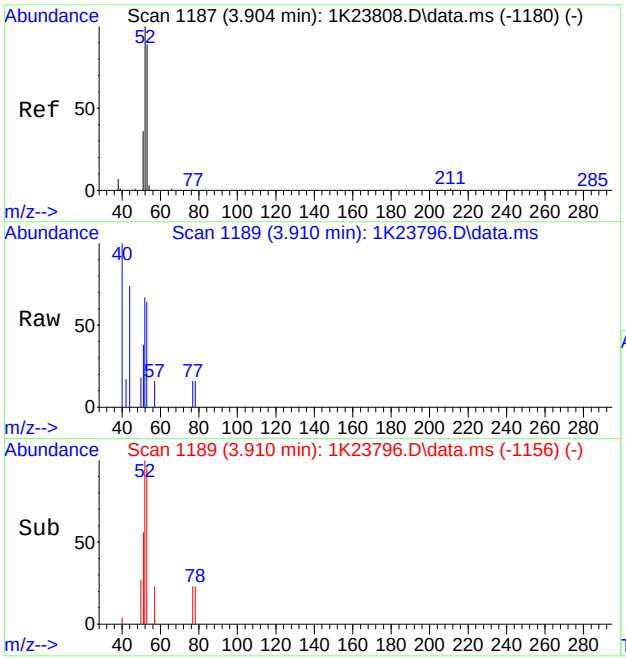


#31
chloroprene
Concen: 0.43 ug/L
RT: 3.852 min Scan# 1171
Delta R.T. -0.006 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion: 53 Resp: 5567

Ion	Ratio	Lower	Upper
53	100		
88	34.5	13.8	73.8
90	8.5	0.0	44.2
51	31.8	0.0	56.1

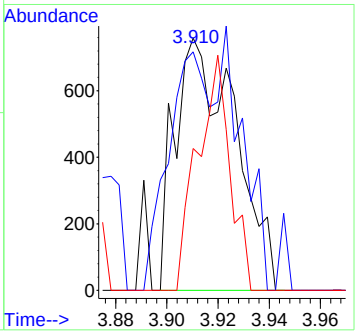


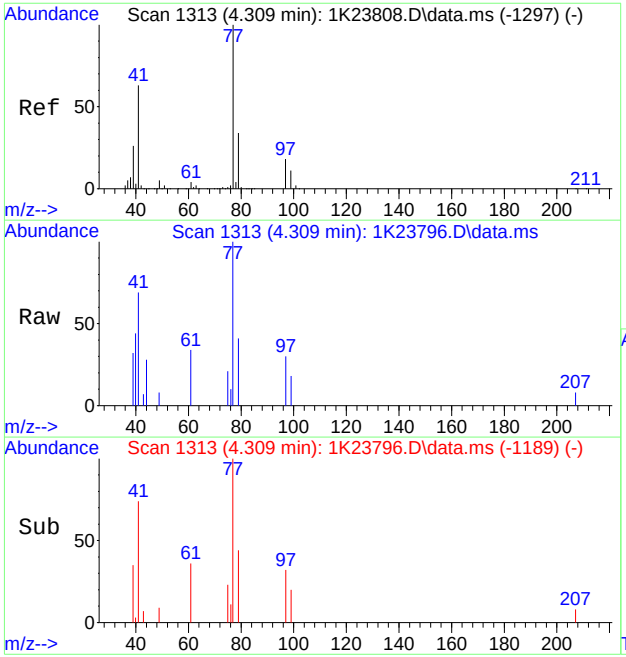


#32
acrylonitrile
Concen: 0.41 ug/L
RT: 3.910 min Scan# 1189
Delta R.T. 0.007 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion: 52 Resp: 1248

Ion	Ratio	Lower	Upper
52	100		
53	64.0	99.5	159.5#
51	56.2	13.8	73.8

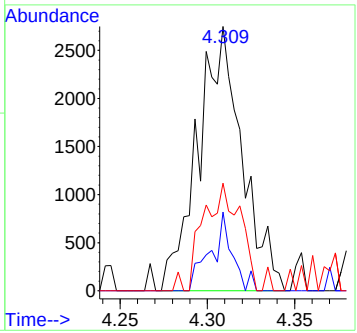


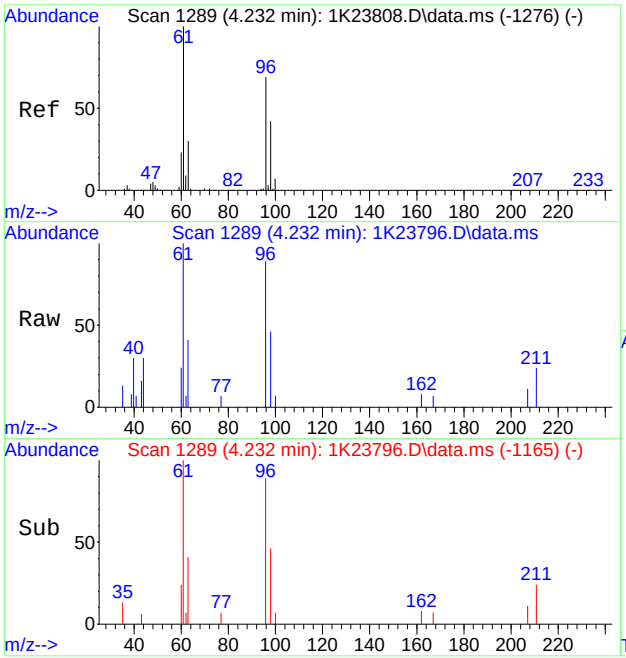


#35
2,2-dichloropropane
Concen: 0.53 ug/L
RT: 4.309 min Scan# 1313
Delta R.T. 0.000 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion: 77 Resp: 4846

Ion	Ratio	Lower	Upper
77	100		
97	29.8	0.0	47.6
79	40.7	3.7	63.7

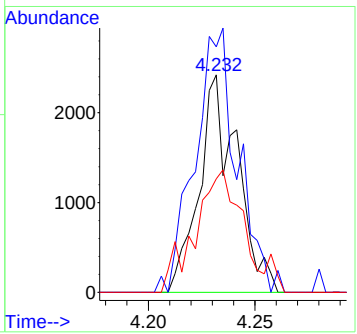


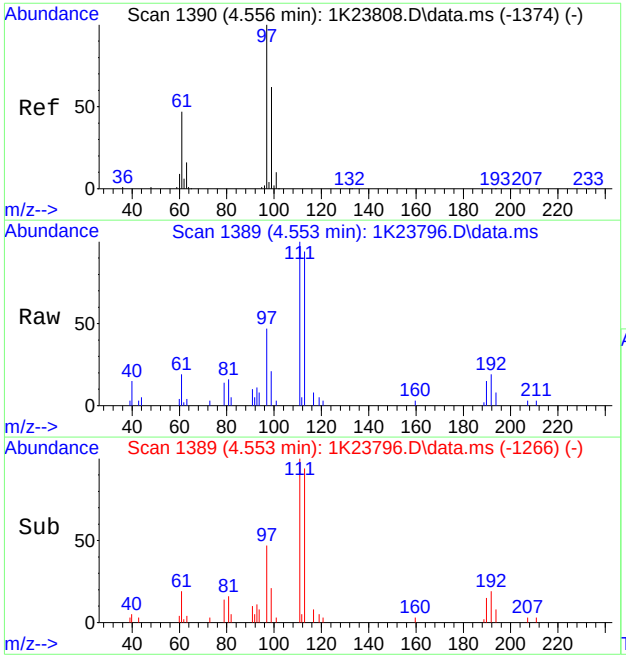


#36
cis-1,2-dichloroethene
Concen: 0.53 ug/L
RT: 4.232 min Scan# 1289
Delta R.T. 0.000 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion: 96 Resp: 3005

Ion	Ratio	Lower	Upper
96	100		
61	112.8	114.3	174.3#
98	52.1	30.5	90.5

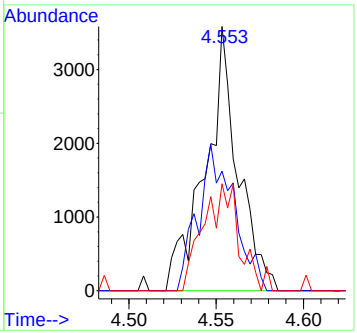


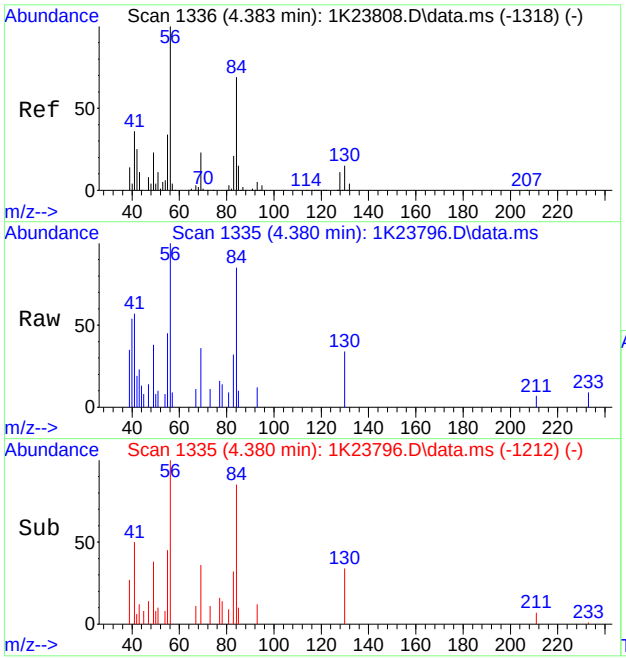


#44
1,1,1-trichloroethane
Concen: 0.52 ug/L
RT: 4.553 min Scan# 1389
Delta R.T. -0.003 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion: 97 Resp: 4680

Ion	Ratio	Lower	Upper
97	100		
99	45.3	32.1	92.1
61	40.5	16.3	76.3

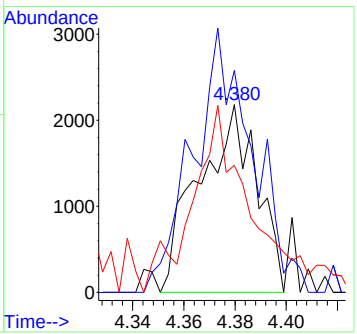


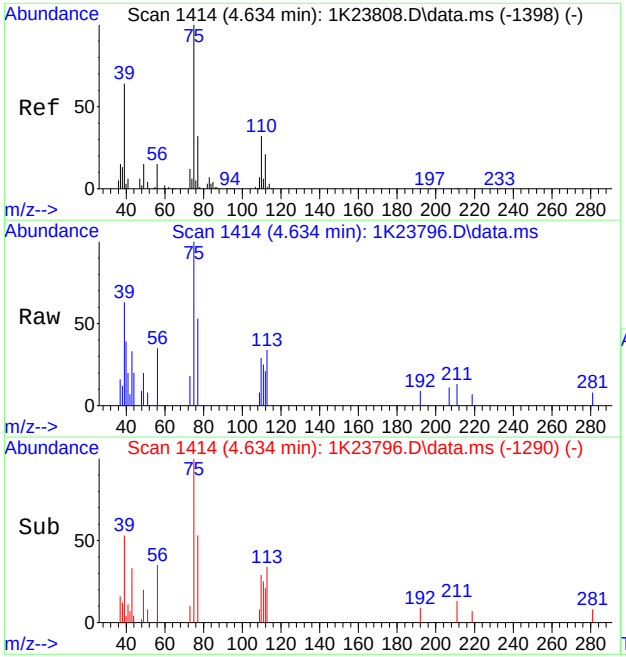


#45
cyclohexane
Concen: 0.43 ug/L
RT: 4.380 min Scan# 1335
Delta R.T. -0.003 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion: 84 Resp: 3444

Ion	Ratio	Lower	Upper
84	100		
56	108.0	124.1	164.1#
41	46.2	58.3	98.3#

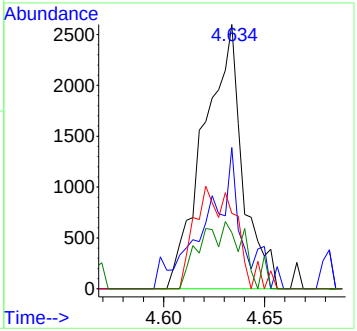


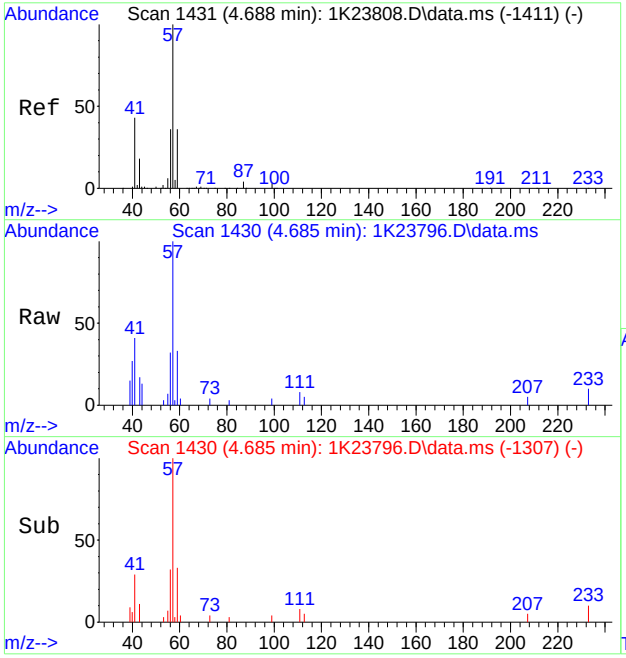


#46
1,1-dichloropropene
Concen: 0.39 ug/L
RT: 4.634 min Scan# 1414
Delta R.T. 0.000 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion: 75 Resp: 3478

Ion	Ratio	Lower	Upper
75	100		
77	53.4	12.0	52.0#
110	28.5	12.3	52.3
112	21.2	0.8	40.8

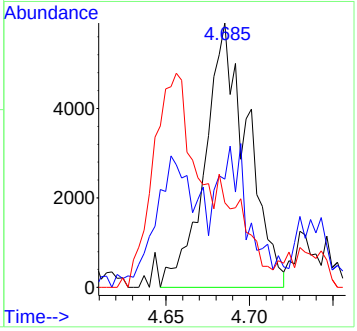


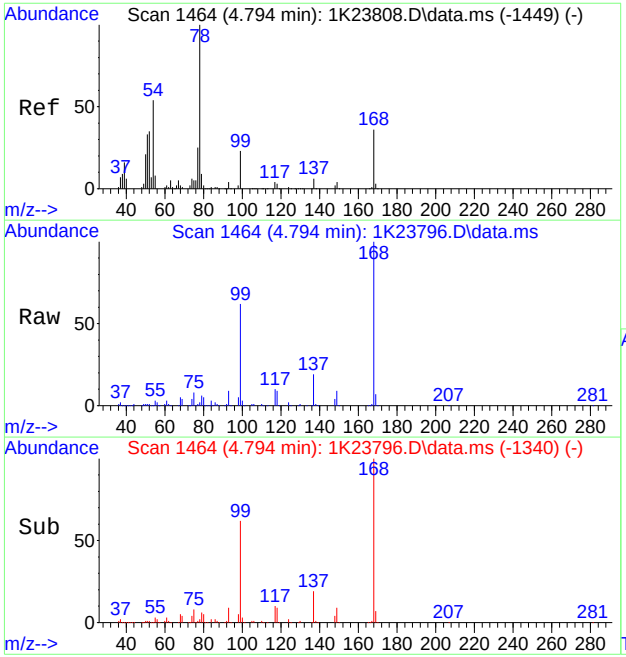


#52
iso-octane
Concen: 0.48 ug/L
RT: 4.685 min Scan# 1430
Delta R.T. -0.003 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion: 57 Resp: 10495

Ion	Ratio	Lower	Upper
57	100		
41	33.2	22.7	62.7
56	23.0	16.1	56.1

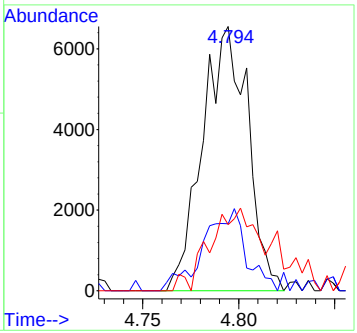


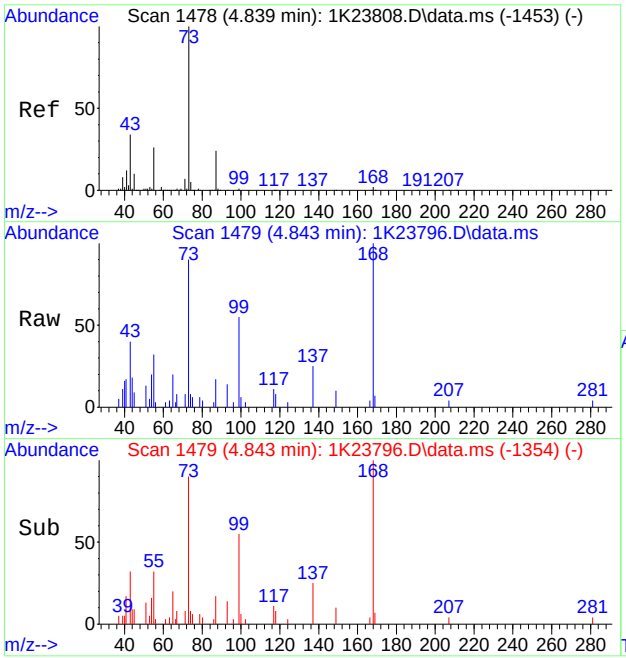


#53
benzene
Concen: 0.48 ug/L
RT: 4.794 min Scan# 1464
Delta R.T. 0.000 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion: 78 Resp: 10776

Ion	Ratio	Lower	Upper
78	100		
77	25.3	0.0	54.5
52	25.1	5.0	65.0

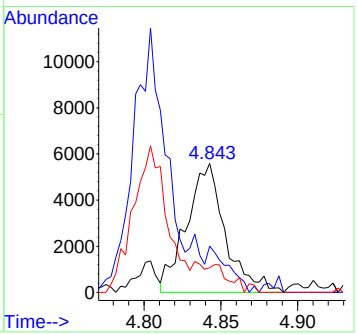


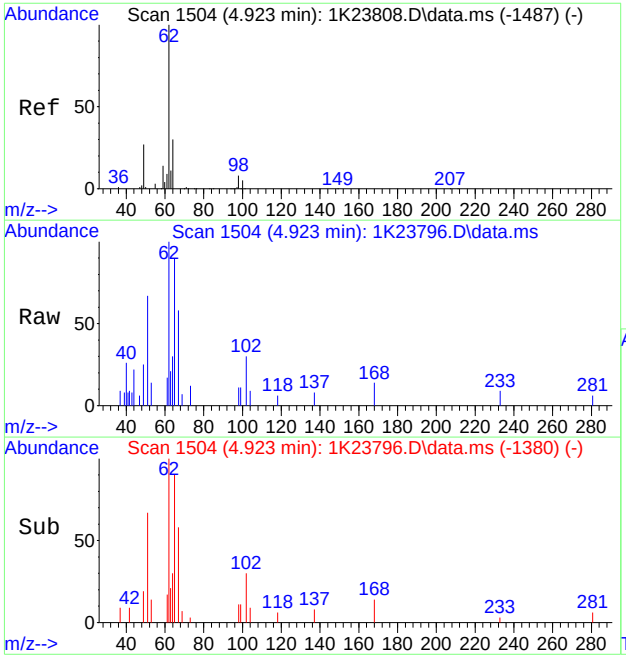


#54
tert-amyl methyl ether
Concen: 0.57 ug/L
RT: 4.843 min Scan# 1479
Delta R.T. 0.003 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion: 73 Resp: 9809

Ion	Ratio	Lower	Upper
73	100		
55	35.8	7.0	47.0
87	19.2	4.4	44.4

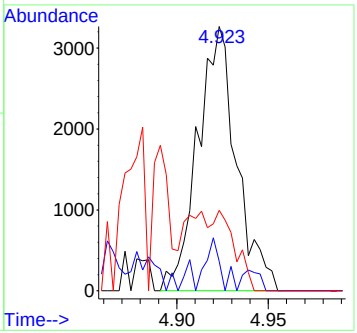


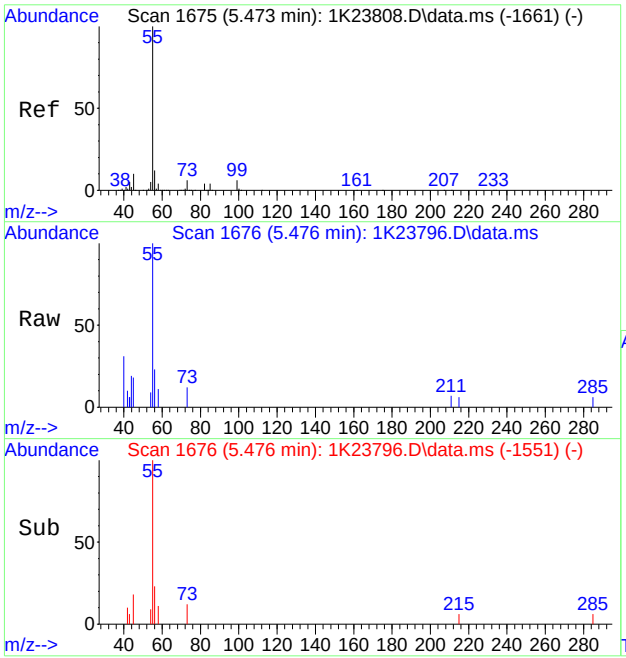


#57
1,2-dichloroethane
Concen: 0.58 ug/L
RT: 4.923 min Scan# 1504
Delta R.T. 0.000 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion: 62 Resp: 4818

Ion	Ratio	Lower	Upper
62	100		
98	11.1	0.0	38.3
64	30.4	0.4	60.4

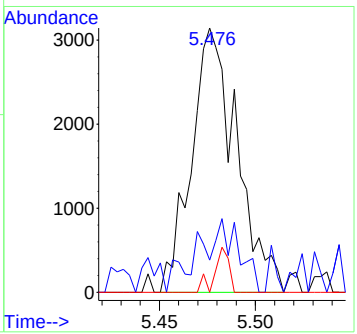


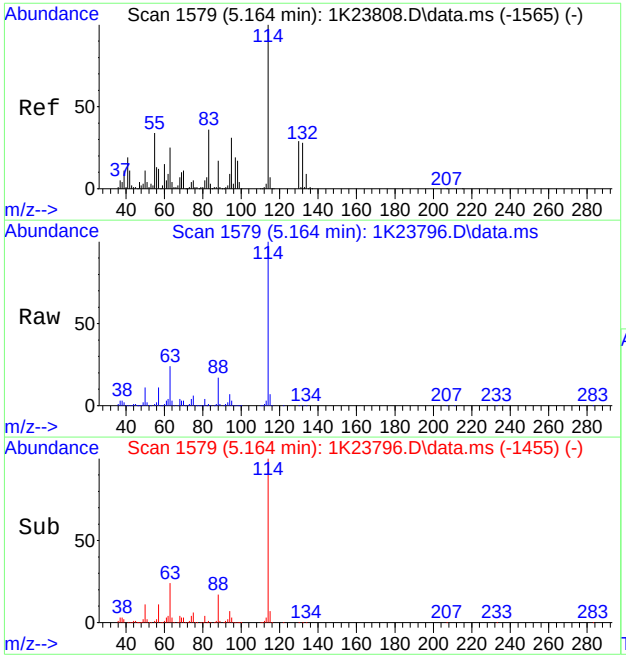


#59
ethyl acrylate
Concen: 0.47 ug/L
RT: 5.476 min Scan# 1676
Delta R.T. 0.003 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion: 55 Resp: 5176

Ion	Ratio	Lower	Upper
55	100		
73	12.2	0.0	35.8
99	0.0	0.0	35.9

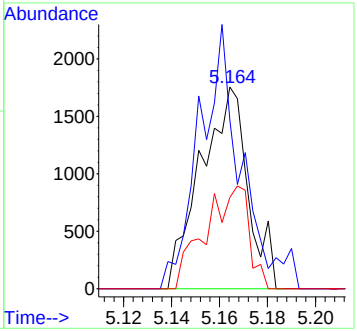


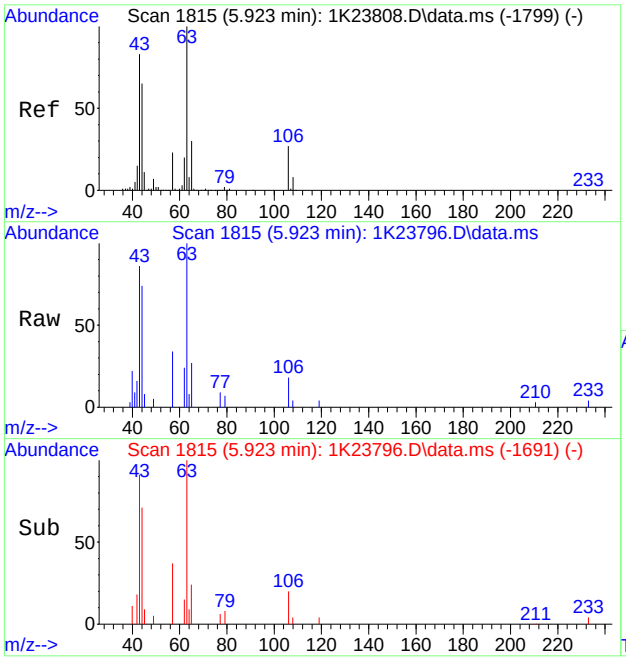


#60
trichloroethene
Concen: 0.43 ug/L
RT: 5.164 min Scan# 1579
Delta R.T. 0.000 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion:130 Resp: 2392

Ion	Ratio	Lower	Upper
130	100		
132	83.6	66.4	126.4
134	45.2	0.0	59.6

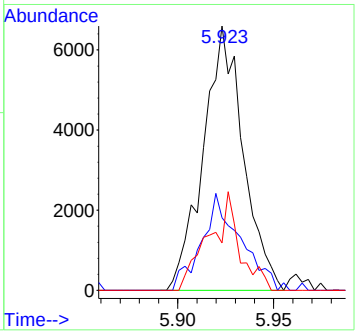


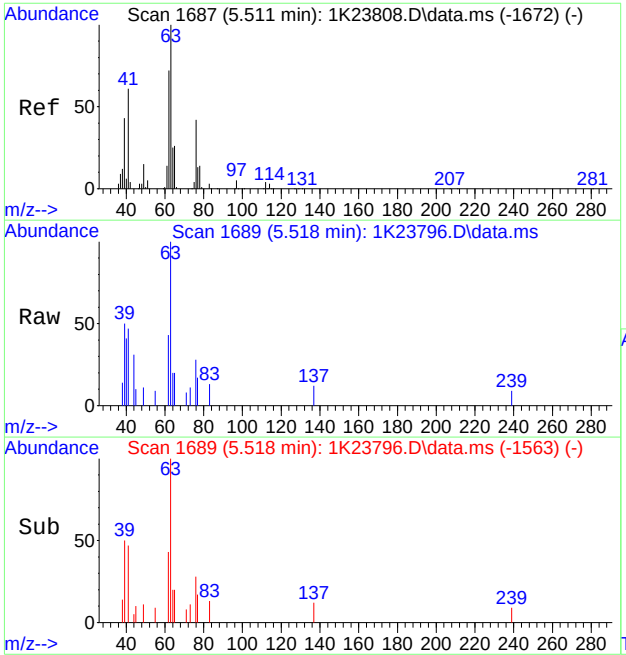


#62
2-chloroethyl vinyl ether
Concen: 2.34 ug/L
RT: 5.923 min Scan# 1815
Delta R.T. 0.000 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion: 63 Resp: 9575

Ion	Ratio	Lower	Upper
63	100		
65	27.5	0.4	60.4
106	17.9	0.0	57.4

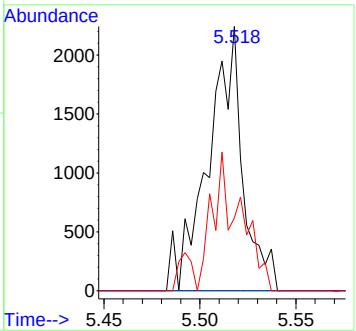


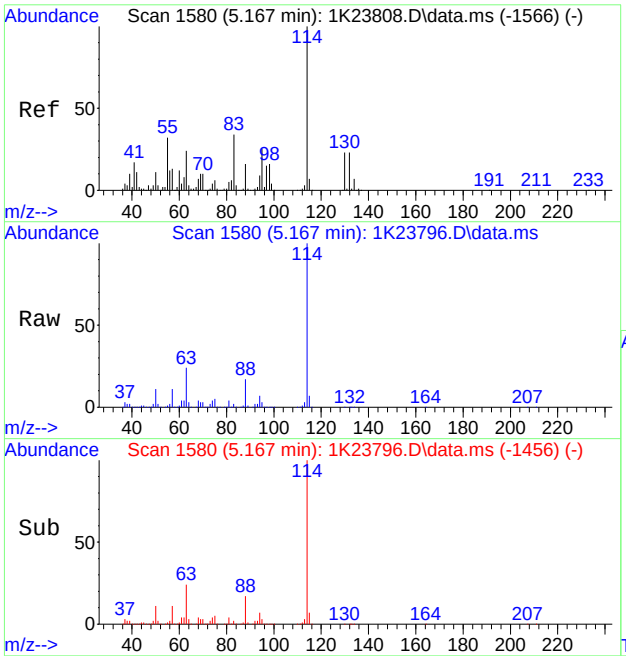


#64
1,2-dichloropropane
Concen: 0.46 ug/L
RT: 5.518 min Scan# 1689
Delta R.T. 0.007 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion: 63 Resp: 2842

Ion	Ratio	Lower	Upper
63	100		
112	0.0	0.0	34.3
76	27.6	11.5	71.5

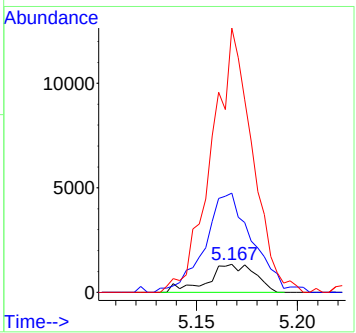


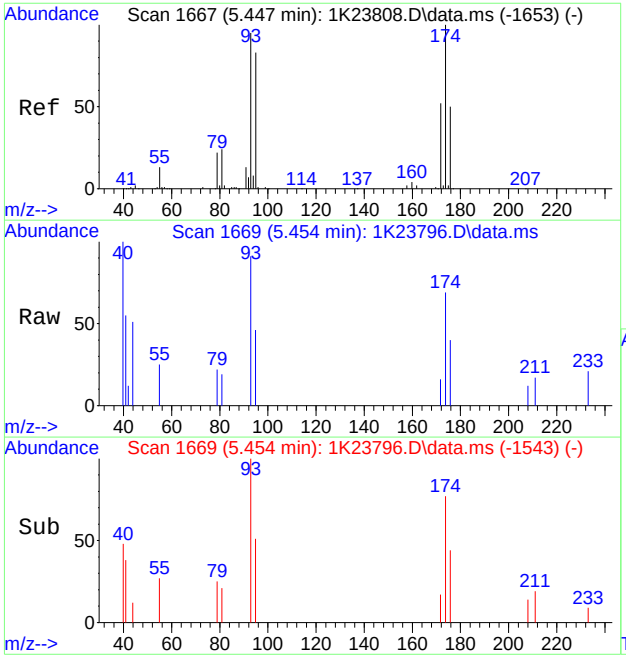


#65
methylcyclohexane
Concen: 0.56 ug/L
RT: 5.167 min Scan# 1580
Delta R.T. 0.000 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion: 98 Resp: 2168

Ion	Ratio	Lower	Upper
98	100		
55	341.2	162.4	222.4#
83	946.2	177.4	237.4#

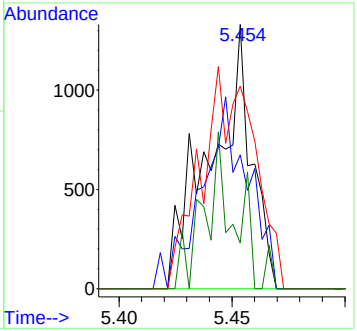


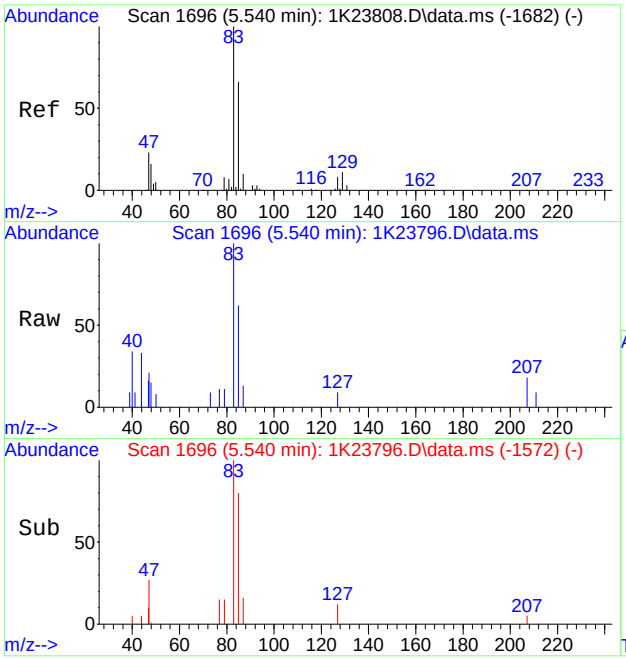


#66
dibromomethane
Concen: 0.52 ug/L
RT: 5.454 min Scan# 1669
Delta R.T. 0.006 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion: 93 Resp: 1659

Ion	Ratio	Lower	Upper
93	100		
95	50.7	57.5	117.5#
174	76.6	75.1	135.1
172	17.3	34.2	74.2#

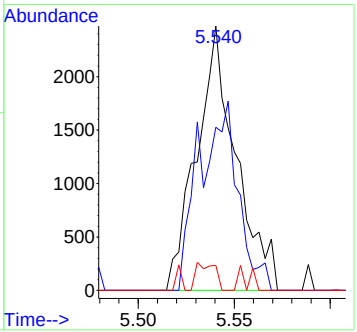


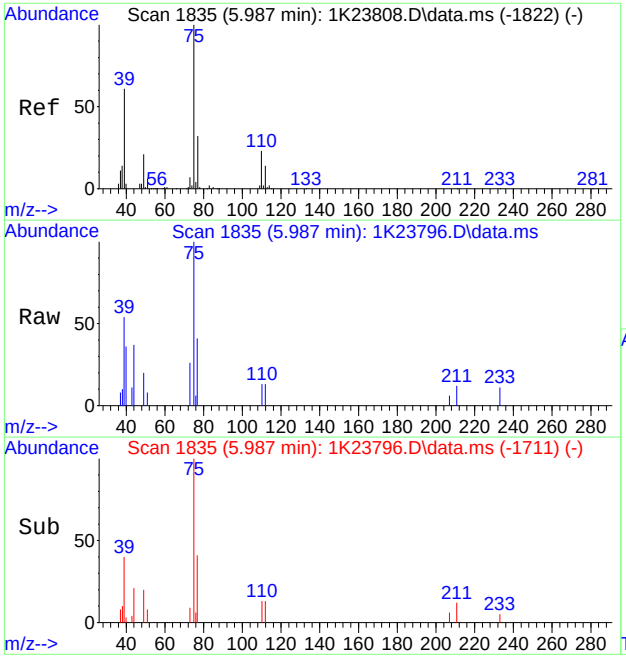


#67
bromodichloromethane
Concen: 0.49 ug/L
RT: 5.540 min Scan# 1696
Delta R.T. 0.000 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion: 83 Resp: 3537

Ion	Ratio	Lower	Upper
83	100		
85	61.7	35.5	95.5
127	9.5	0.0	37.9

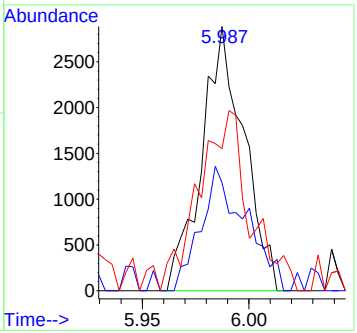


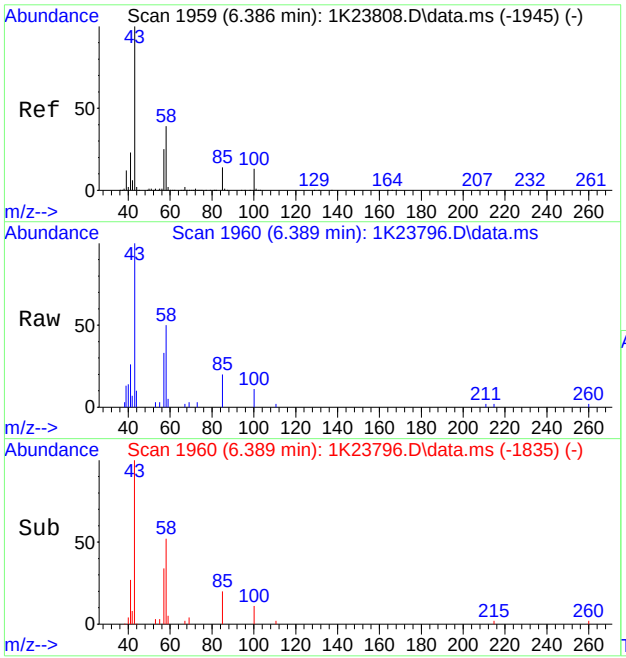


#69
cis-1,3-dichloropropene
Concen: 0.42 ug/L
RT: 5.987 min Scan# 1835
Delta R.T. 0.000 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion: 75 Resp: 3977

Ion	Ratio	Lower	Upper
75	100		
77	40.9	2.2	62.2
39	53.8	31.6	91.6

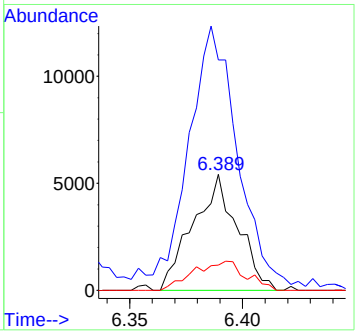


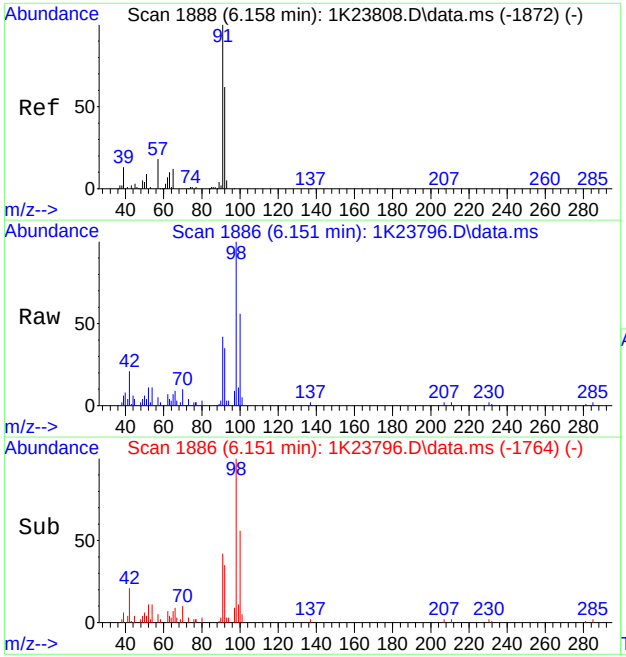


#70
4-methyl-2-pentanone
Concen: 2.27 ug/L
RT: 6.389 min Scan# 1960
Delta R.T. 0.003 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion: 58 Resp: 7411

Ion	Ratio	Lower	Upper
58	100		
43	187.3	235.3	295.3#
100	21.7	2.2	62.2

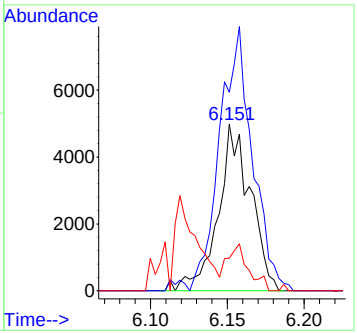


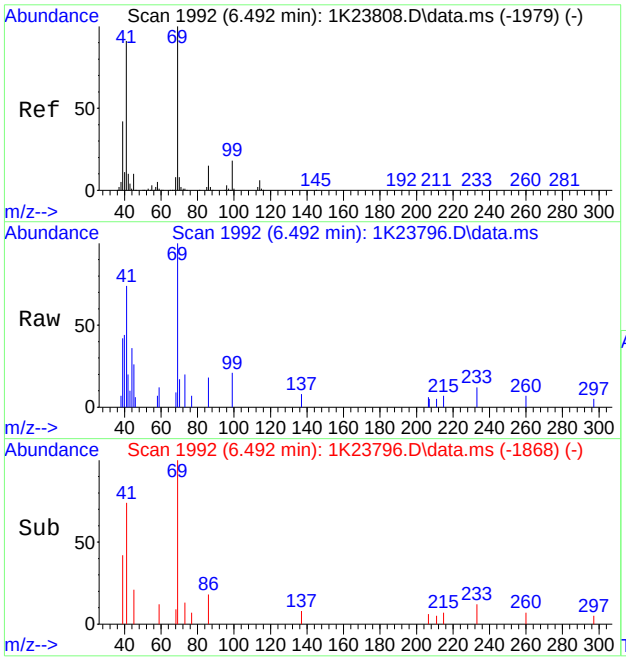


#74
toluene
Concen: 0.52 ug/L
RT: 6.151 min Scan# 1886
Delta R.T. -0.006 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion: 92 Resp: 7316

Ion	Ratio	Lower	Upper
92	100		
91	119.1	140.0	180.0#
65	15.7	0.0	39.6

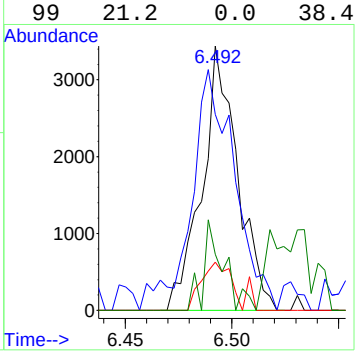


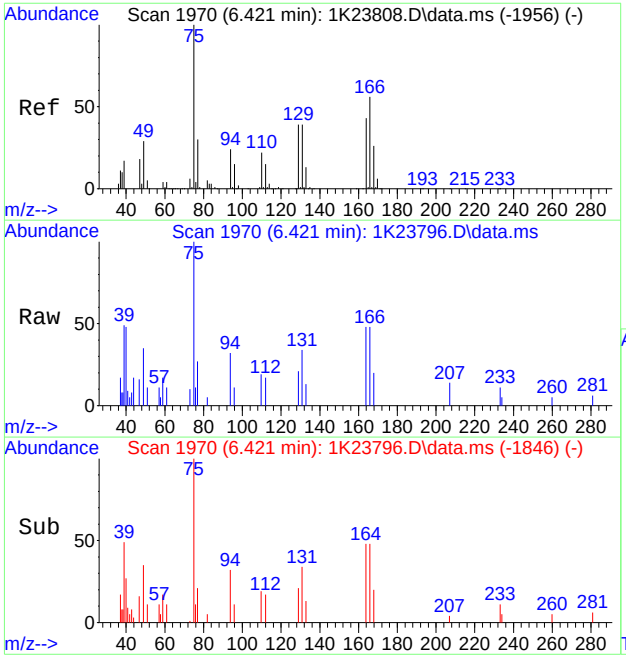


#75
ethyl methacrylate
Concen: 0.50 ug/L
RT: 6.492 min Scan# 1992
Delta R.T. 0.000 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion: 69 Resp: 3997

Ion	Ratio	Lower	Upper
69	100		
41	64.8	71.2	111.2#
86	18.2	0.0	35.1
99	21.2	0.0	38.4

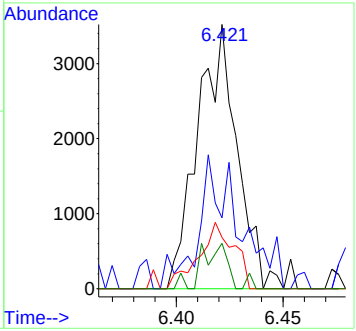


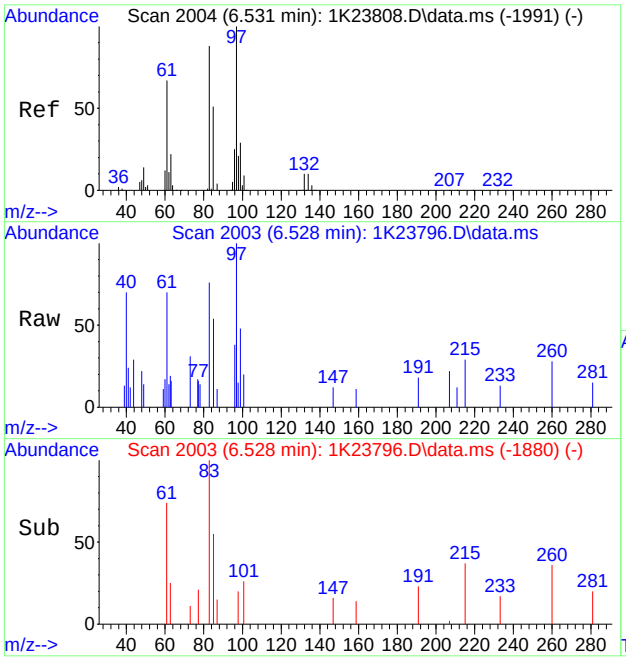


#76
trans-1,3-dichloropropene
Concen: 0.53 ug/L
RT: 6.421 min Scan# 1970
Delta R.T. 0.000 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion: 75 Resp: 4582

Ion	Ratio	Lower	Upper
75	100		
77	26.9	10.4	50.4
110	19.4	2.4	42.4
112	17.2	0.0	34.7

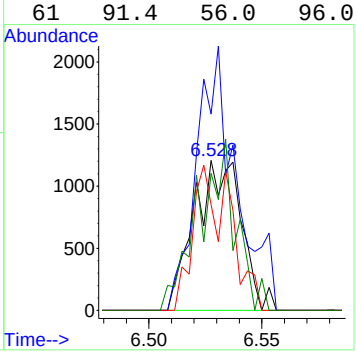


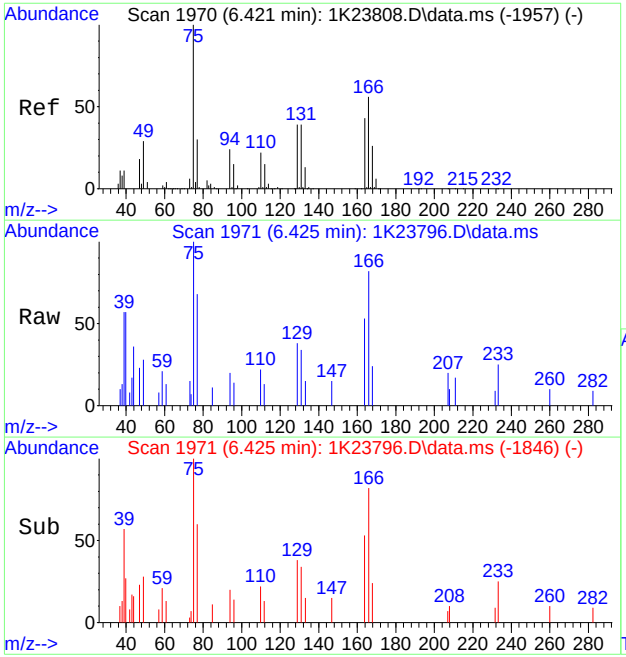


#77
1,1,2-trichloroethane
Concen: 0.45 ug/L
RT: 6.528 min Scan# 2003
Delta R.T. -0.003 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion: 83 Resp: 1751

Ion	Ratio	Lower	Upper
83	100		
97	130.8	94.4	134.4
85	70.4	41.5	81.5
61	91.4	56.0	96.0

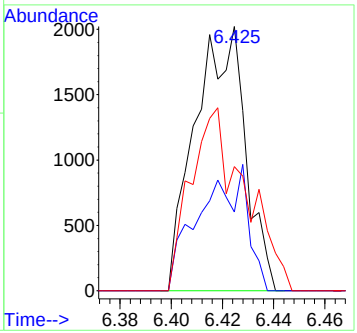


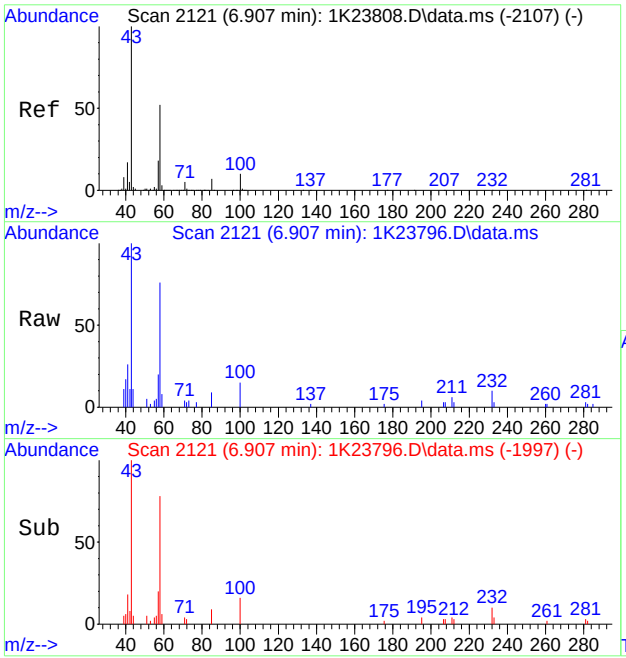


#78
tetrachloroethene
Concen: 0.55 ug/L
RT: 6.425 min Scan# 1971
Delta R.T. 0.003 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion:166 Resp: 2750

Ion	Ratio	Lower	Upper
166	100		
168	29.8	17.0	77.0
129	47.0	39.8	99.8

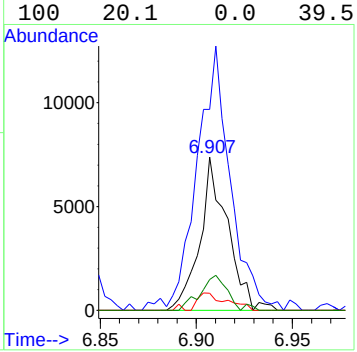


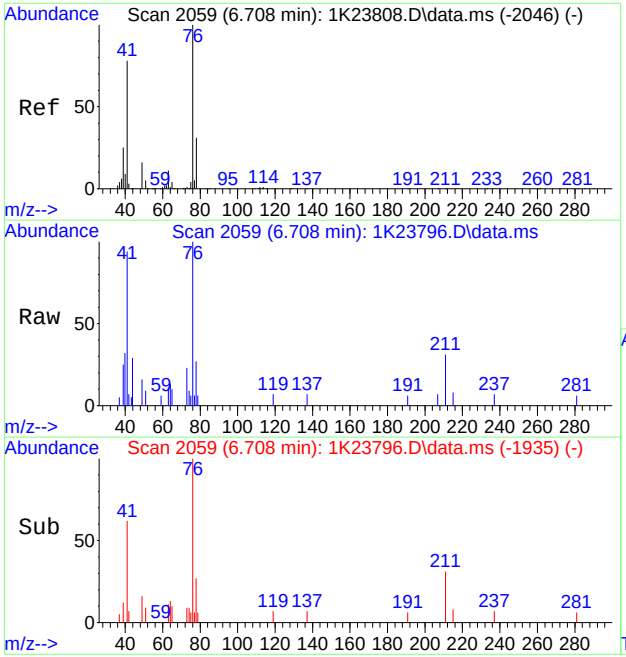


#79
2-hexanone
Concen: 2.05 ug/L
RT: 6.907 min Scan# 2121
Delta R.T. 0.000 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion: 58 Resp: 7412

Ion	Ratio	Lower	Upper
58	100		
43	131.1	172.5	212.5#
85	11.2	0.0	32.5
100	20.1	0.0	39.5

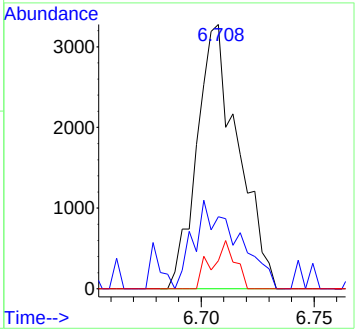


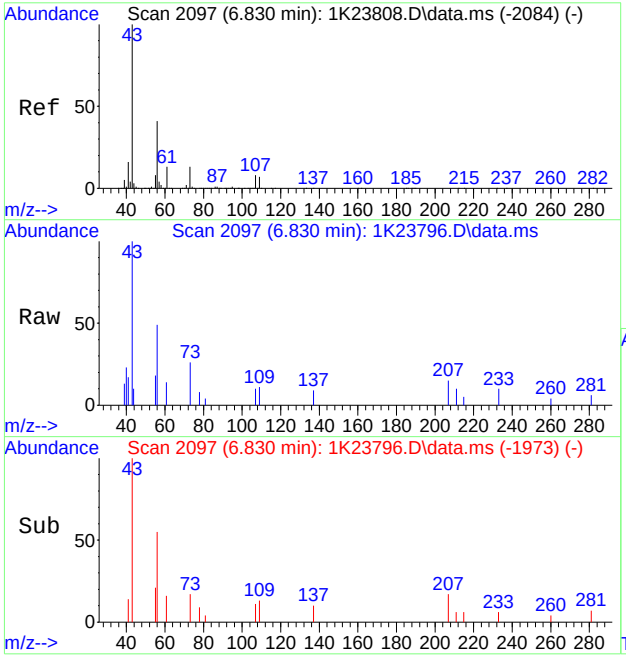


#80
1,3-dichloropropane
Concen: 0.48 ug/L
RT: 6.708 min Scan# 2059
Delta R.T. 0.000 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion: 76 Resp: 4146

Ion	Ratio	Lower	Upper
76	100		
78	33.7	0.6	60.6
63	10.6	0.0	41.5

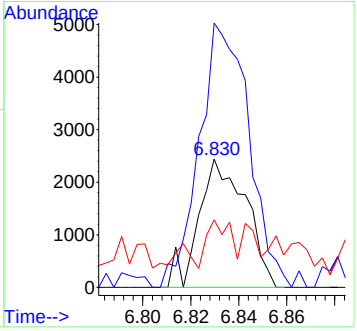


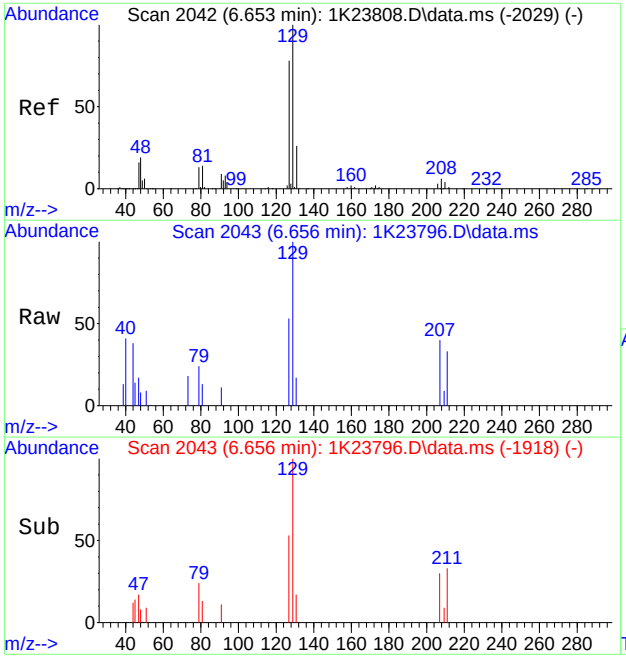


#81
butyl acetate
Concen: 0.58 ug/L
RT: 6.830 min Scan# 2097
Delta R.T. 0.000 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion: 56 Resp: 3317

Ion	Ratio	Lower	Upper
56	100		
43	206.0	215.3	275.3#
73	33.9	2.2	62.2

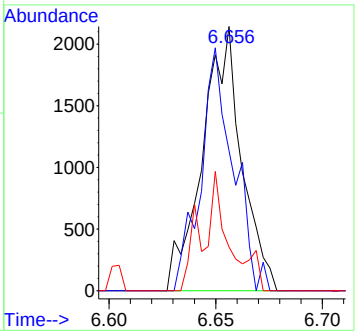


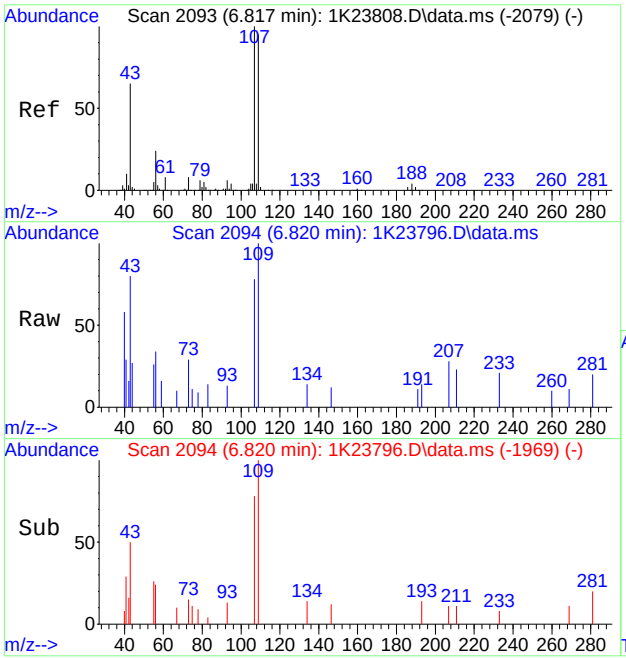


#82
dibromochloromethane
Concen: 0.49 ug/L
RT: 6.656 min Scan# 2043
Delta R.T. 0.003 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion:129 Resp: 2745

Ion	Ratio	Lower	Upper
129	100		
127	53.0	47.8	107.8
131	16.6	0.0	55.8

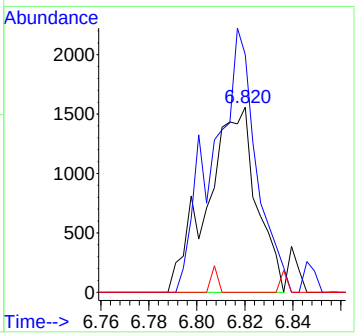


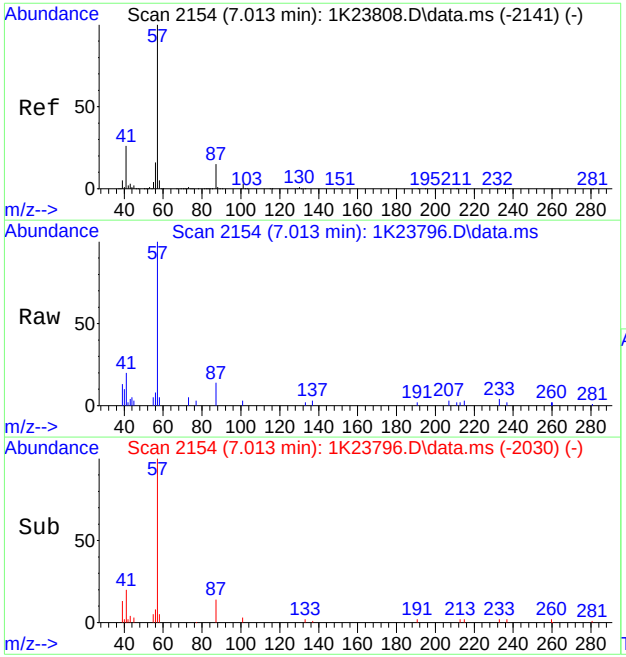


#83
1,2-dibromoethane
Concen: 0.45 ug/L
RT: 6.820 min Scan# 2094
Delta R.T. 0.003 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion:107 Resp: 2214

Ion	Ratio	Lower	Upper
107	100		
109	128.1	65.3	125.3#
188	0.0	0.0	33.6

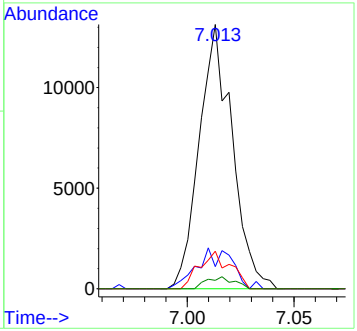


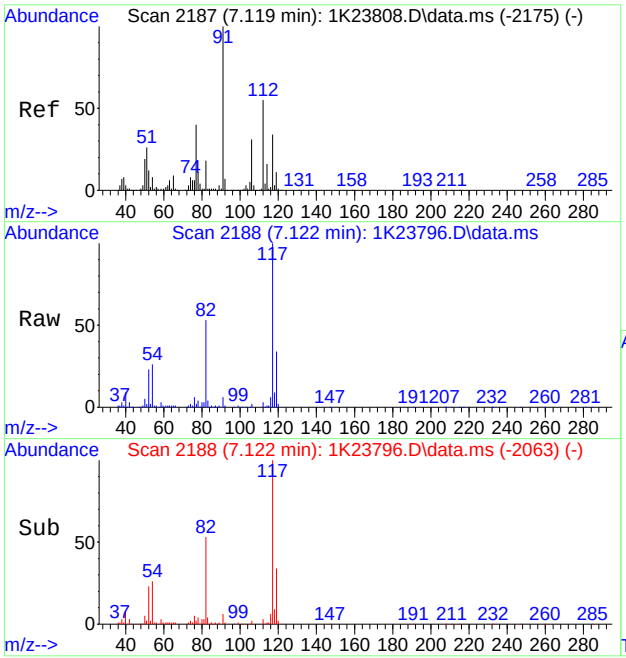


#84
n-butyl ether
Concen: 0.50 ug/L
RT: 7.013 min Scan# 2154
Delta R.T. 0.000 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion: 57 Resp: 14136

Ion	Ratio	Lower	Upper
57	100		
56	8.4	0.0	45.7
87	14.2	0.0	44.9
101	3.2	0.0	33.4

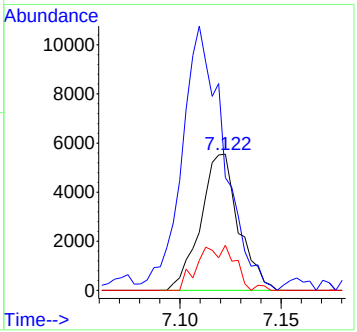


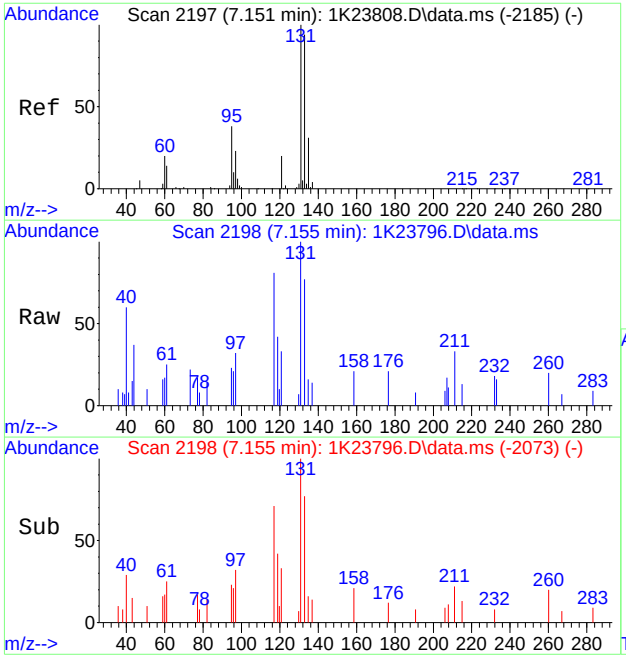


#85
chlorobenzene
Concen: 0.50 ug/L
RT: 7.122 min Scan# 2188
Delta R.T. 0.003 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion:112 Resp: 7244

Ion	Ratio	Lower	Upper
112	100		
77	78.7	43.7	103.7
114	33.1	0.0	59.8

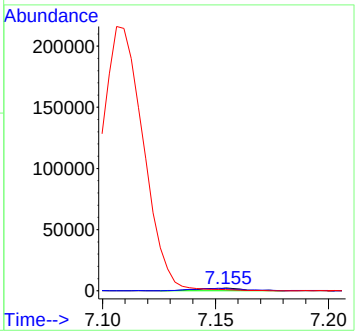


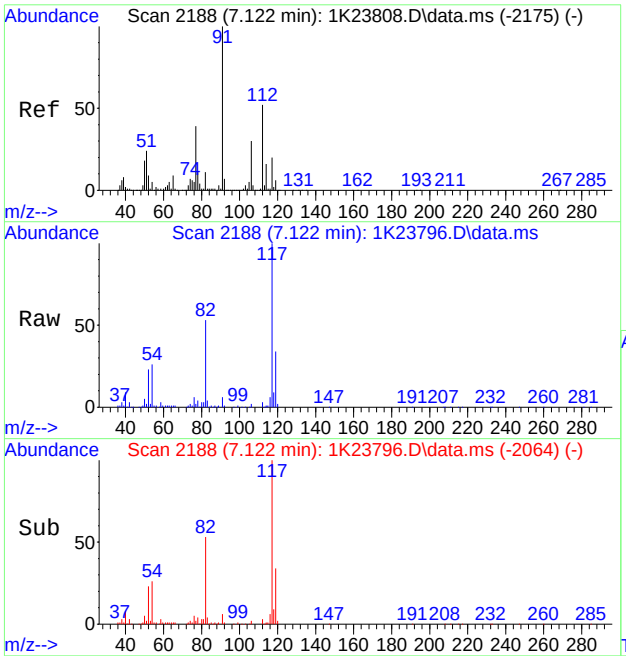


#86
1,1,1,2-tetrachloroethane
Concen: 0.57 ug/L
RT: 7.155 min Scan# 2198
Delta R.T. 0.003 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion:131 Resp: 2857

Ion	Ratio	Lower	Upper
131	100		
133	76.6	64.3	124.3
119	42.4	27.7	87.7

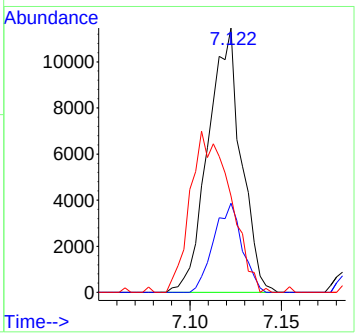


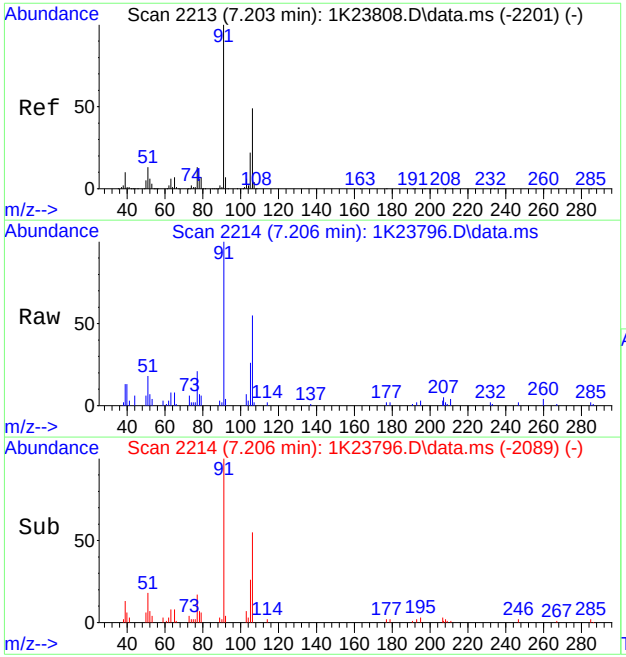


#87
ethylbenzene
Concen: 0.59 ug/L
RT: 7.122 min Scan# 2188
Delta R.T. 0.000 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion: 91 Resp: 14467

Ion	Ratio	Lower	Upper
91	100		
106	33.7	0.3	60.3
51	36.5	0.0	54.3

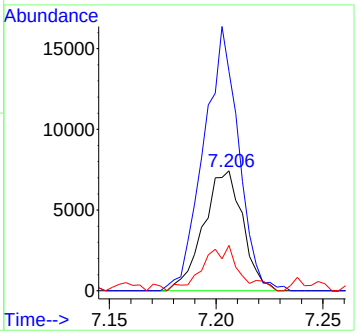


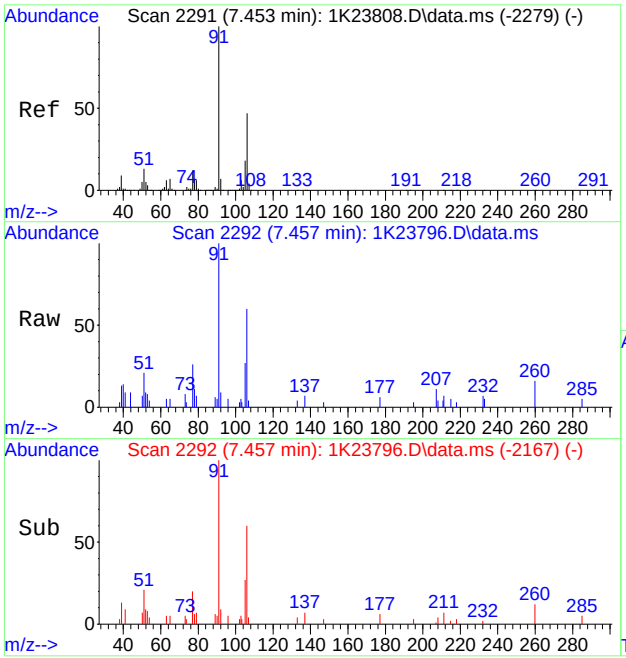


#88
m,p-xylene
Concen: 0.97 ug/L
RT: 7.206 min Scan# 2214
Delta R.T. 0.003 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion:106 Resp: 9505

Ion	Ratio	Lower	Upper
106	100		
91	182.7	176.0	236.0
77	37.9	5.9	45.9

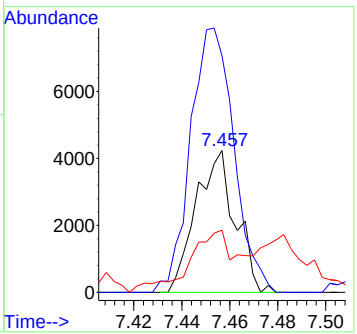


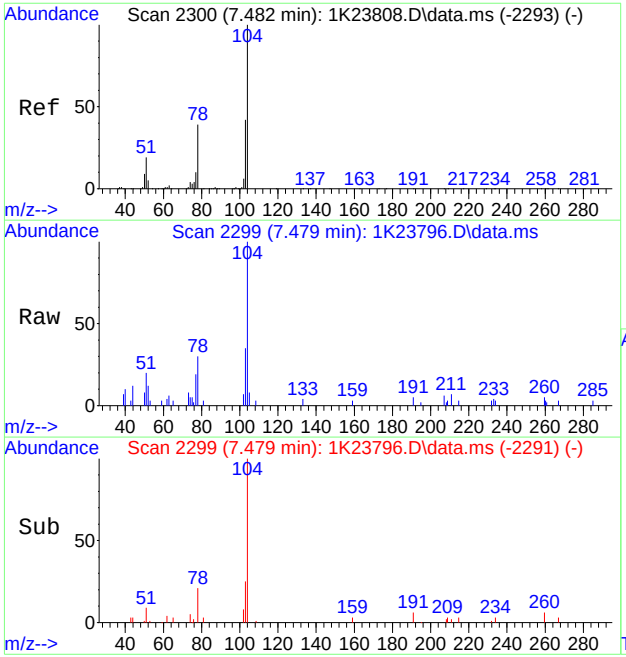


#89
o-xylene
Concen: 0.53 ug/L
RT: 7.457 min Scan# 2292
Delta R.T. 0.003 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion:106 Resp: 4837

Ion	Ratio	Lower	Upper
106	100		
91	166.7	183.9	243.9#
77	35.9	5.0	45.0

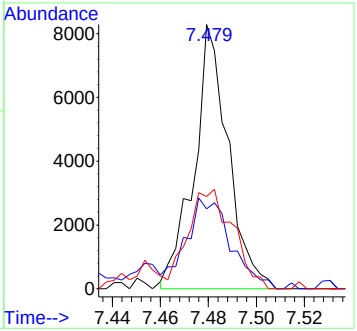


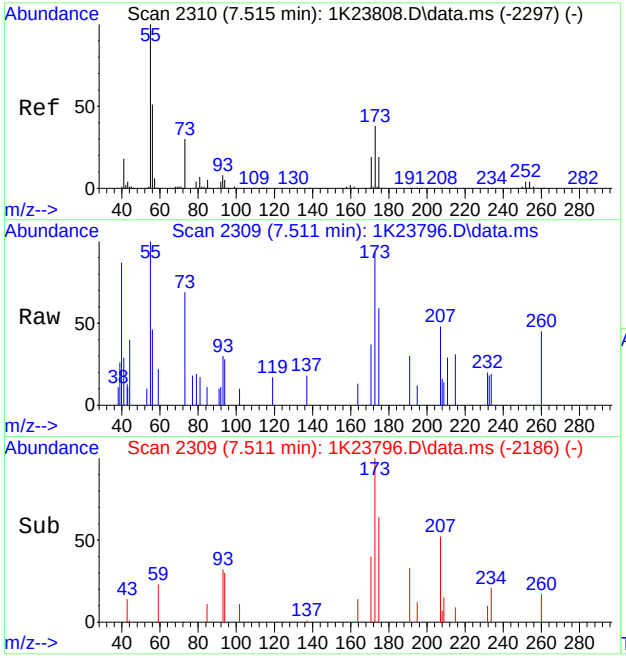


#90
styrene
Concen: 0.51 ug/L
RT: 7.479 min Scan# 2299
Delta R.T. -0.003 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion:104 Resp: 8174

Ion	Ratio	Lower	Upper
104	100		
78	30.3	13.8	73.8
103	34.9	16.3	76.3

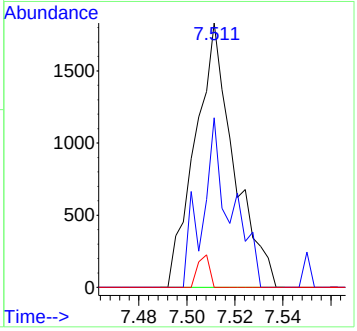


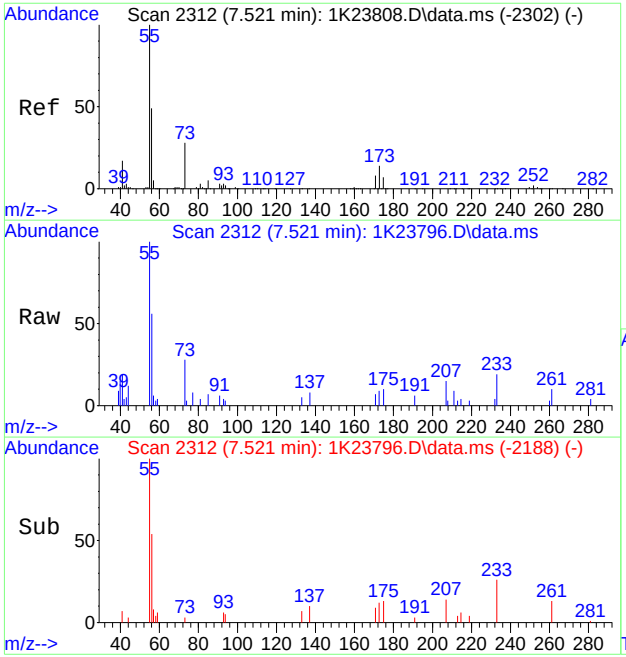


#91
bromoform
Concen: 0.57 ug/L
RT: 7.511 min Scan# 2309
Delta R.T. -0.003 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion:173 Resp: 2046

Ion	Ratio	Lower	Upper
173	100		
175	64.1	20.6	80.6
254	0.0	0.0	39.4

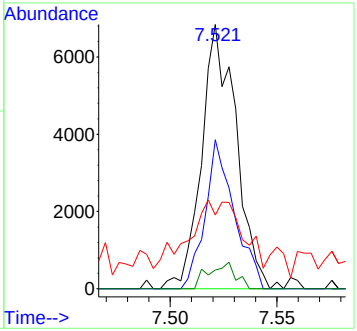


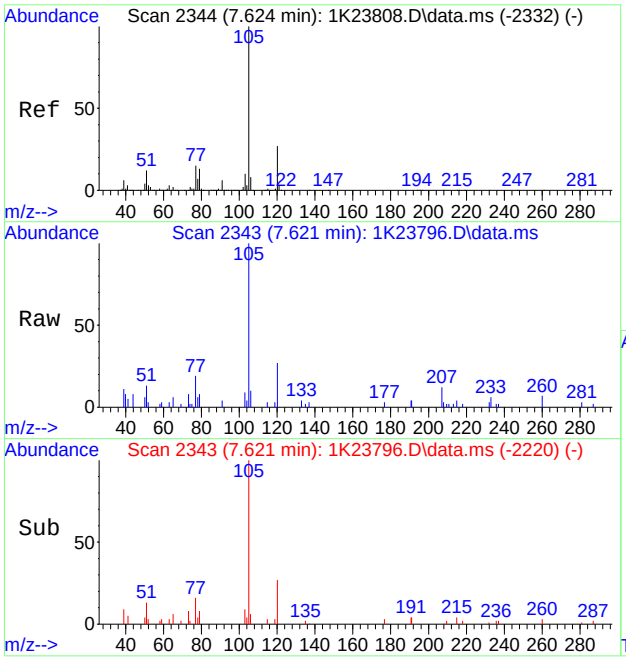


#92
butyl acrylate
Concen: 0.51 ug/L
RT: 7.521 min Scan# 2312
Delta R.T. 0.000 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion: 55 Resp: 7733

Ion	Ratio	Lower	Upper
55	100		
56	56.4	19.2	79.2
73	16.9	0.0	59.1
85	7.2	0.0	35.4

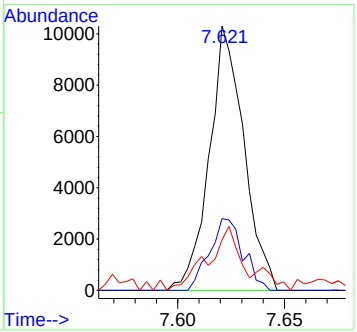


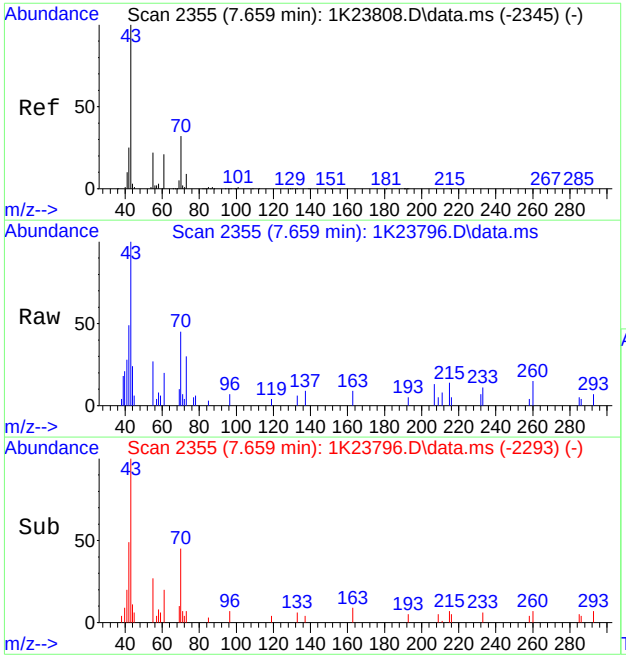


#93
isopropylbenzene
Concen: 0.52 ug/L
RT: 7.621 min Scan# 2343
Delta R.T. -0.003 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion:105 Resp: 11634

Ion	Ratio	Lower	Upper
105	100		
120	27.2	7.4	47.4
77	15.9	0.0	35.4

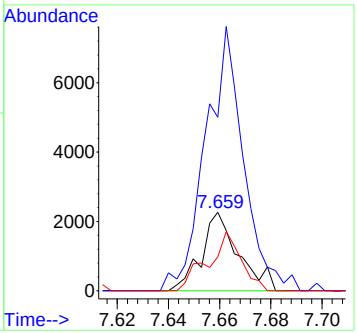


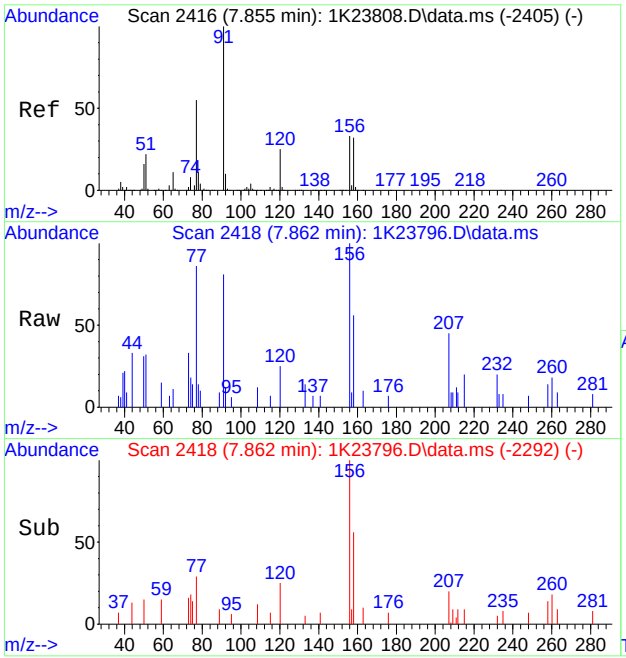


#94
n-amyl acetate
Concen: 0.47 ug/L
RT: 7.659 min Scan# 2355
Delta R.T. 0.000 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion: 70 Resp: 2266

Ion	Ratio	Lower	Upper
70	100		
43	221.0	293.9	333.9#
61	43.3	48.4	88.4#

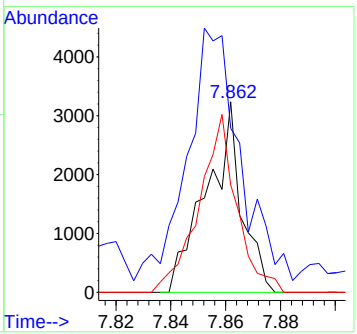


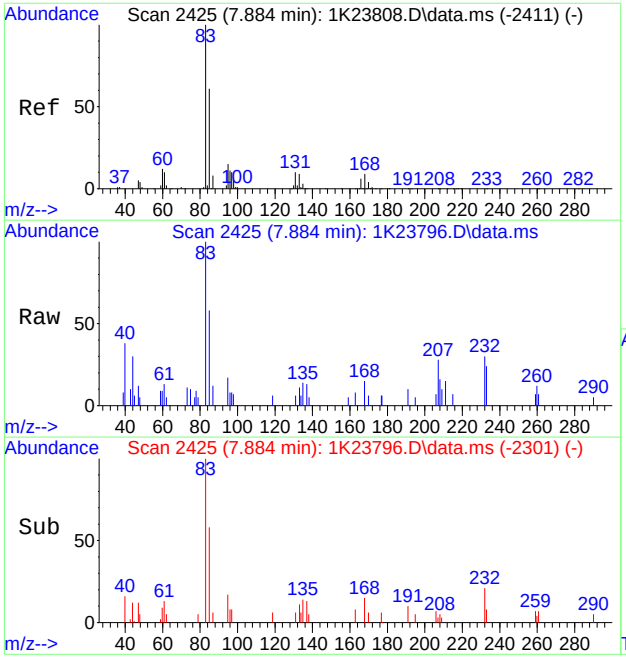


#98
bromobenzene
Concen: 0.52 ug/L
RT: 7.862 min Scan# 2418
Delta R.T. 0.007 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion:156 Resp: 2889

Ion	Ratio	Lower	Upper
156	100		
77	71.1	150.1	210.1#
158	56.3	66.6	126.6#

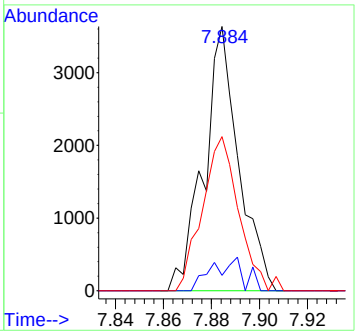


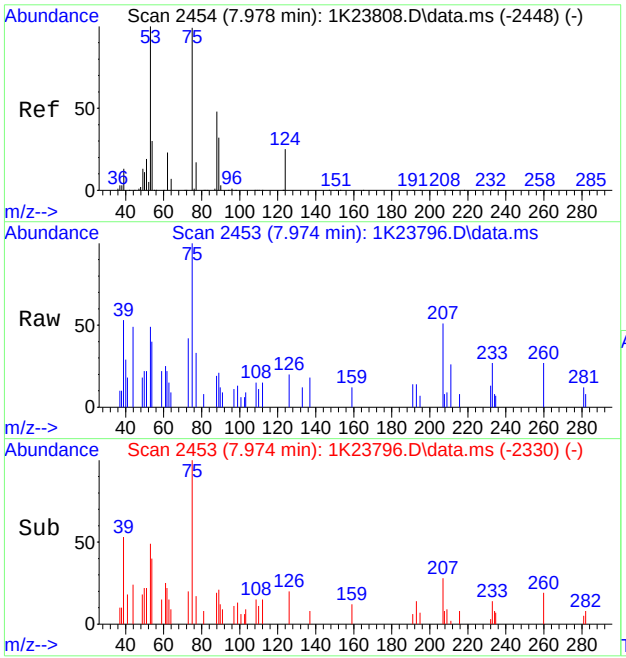


#99
1,1,2,2-tetrachloroethane
Concen: 0.53 ug/L
RT: 7.884 min Scan# 2425
Delta R.T. 0.000 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion: 83 Resp: 3654

Ion	Ratio	Lower	Upper
83	100		
131	5.8	0.0	40.0
85	58.3	31.1	91.1

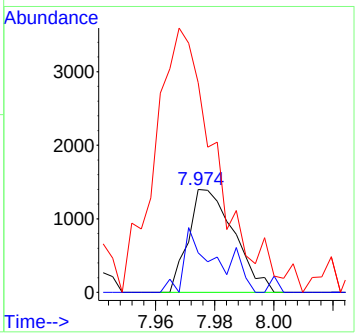


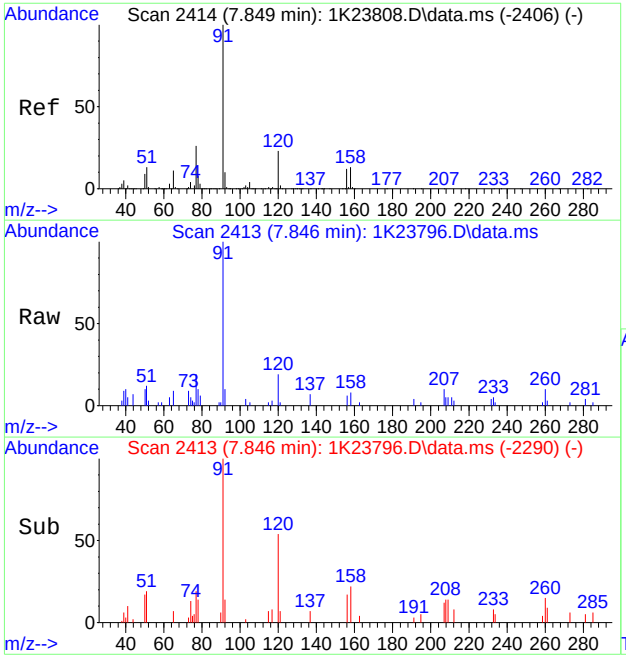


#100
trans-1,4-dichloro-2-butene
Concen: 0.48 ug/L
RT: 7.974 min Scan# 2453
Delta R.T. -0.003 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion: 53 Resp: 1499

Ion	Ratio	Lower	Upper
53	100		
88	38.4	17.1	77.1
75	189.9	162.2	222.2

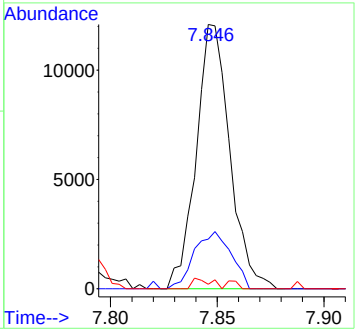


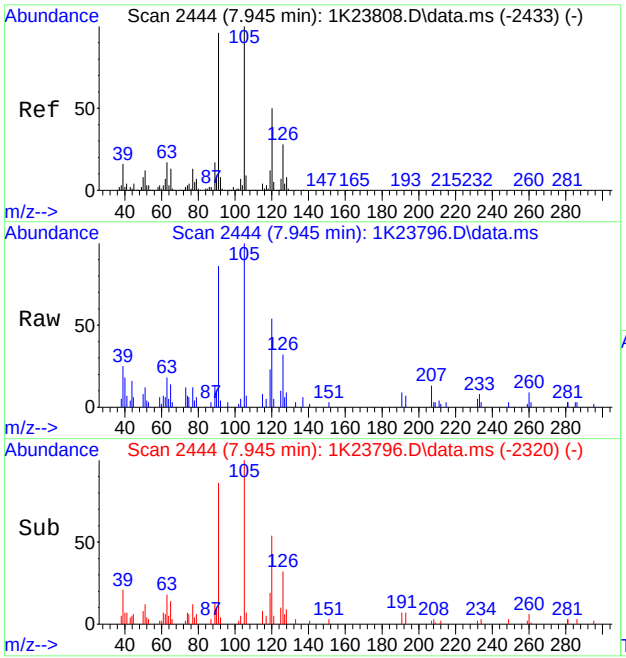


#102
n-propylbenzene
Concen: 0.52 ug/L
RT: 7.846 min Scan# 2413
Delta R.T. -0.003 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion: 91 Resp: 13320

Ion	Ratio	Lower	Upper
91	100		
120	18.8	0.0	52.5
105	1.8	0.0	33.5

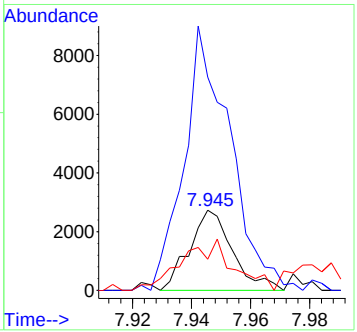


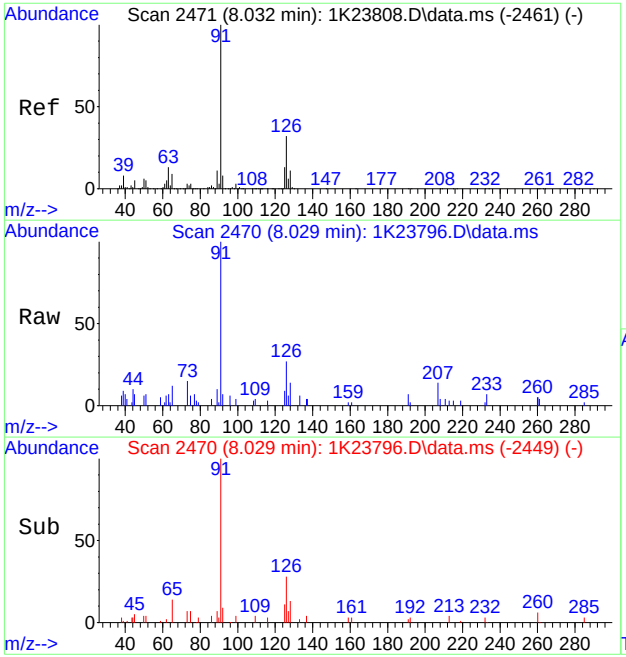


#103
2-chlorotoluene
Concen: 0.53 ug/L
RT: 7.945 min Scan# 2444
Delta R.T. 0.000 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion:126 Resp: 2761

Ion	Ratio	Lower	Upper
126	100		
91	259.1	316.4	376.4#
89	24.4	33.0	93.0#

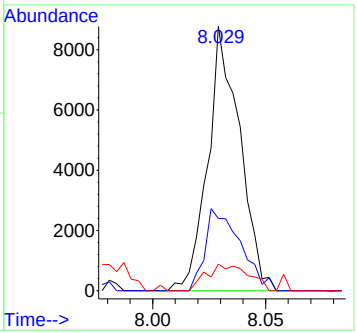


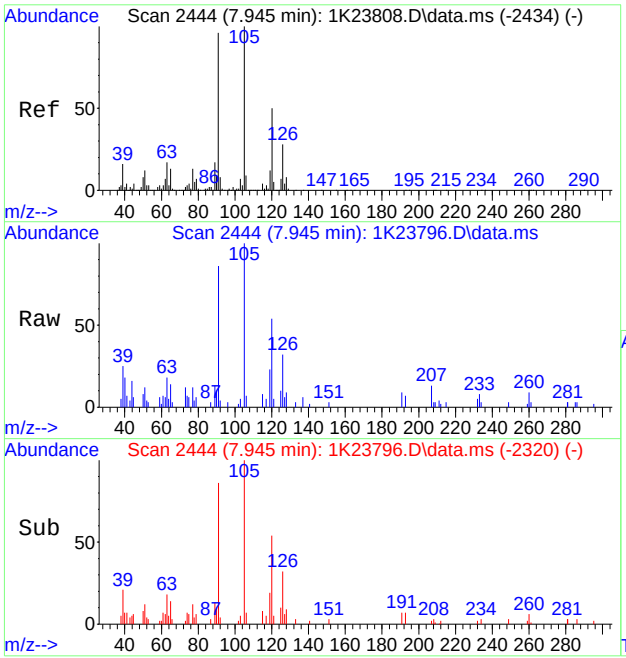


#104
4-chlorotoluene
Concen: 0.49 ug/L
RT: 8.029 min Scan# 2470
Delta R.T. -0.003 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion: 91 Resp: 8616

Ion	Ratio	Lower	Upper
91	100		
126	27.4	2.1	62.1
89	7.9	0.0	41.4

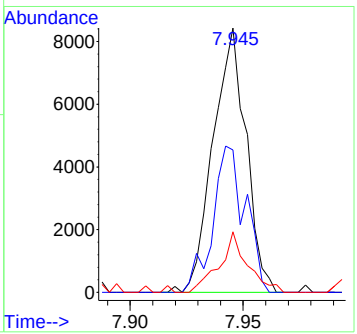


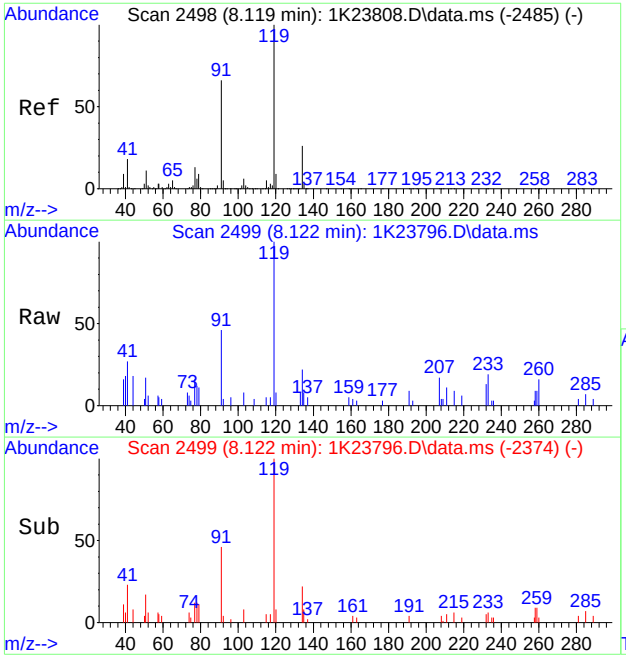


#105
1,3,5-trimethylbenzene
Concen: 0.49 ug/L
RT: 7.945 min Scan# 2444
Delta R.T. 0.000 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion:105 Resp: 8536

Ion	Ratio	Lower	Upper
105	100		
120	53.9	20.0	80.0
119	22.9	0.0	41.7

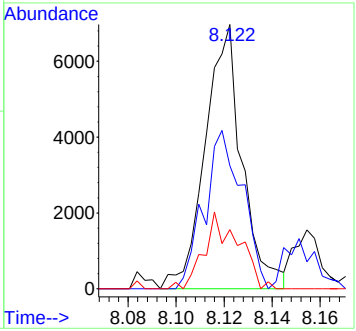


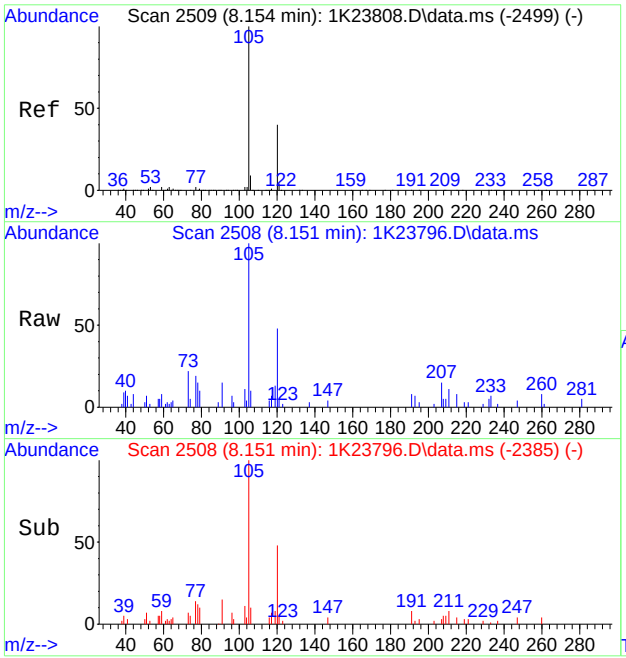


#106
tert-butylbenzene
Concen: 0.49 ug/L
RT: 8.122 min Scan# 2499
Delta R.T. 0.003 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion:119 Resp: 7431

Ion	Ratio	Lower	Upper
119	100		
91	46.5	36.3	96.3
134	22.4	0.0	56.2

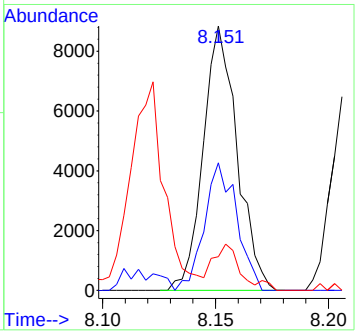


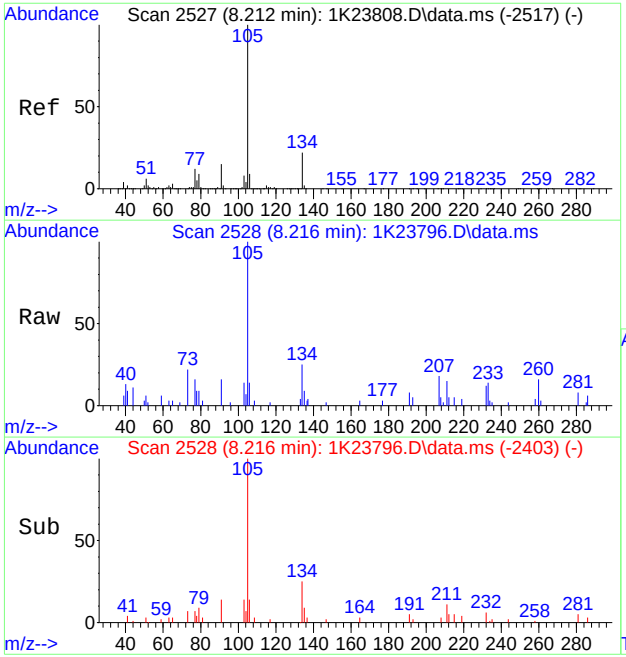


#107
1,2,4-trimethylbenzene
Concen: 0.48 ug/L
RT: 8.151 min Scan# 2508
Delta R.T. -0.003 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion:105 Resp: 9229

Ion	Ratio	Lower	Upper
105	100		
120	48.2	17.1	77.1
119	12.7	0.0	42.1

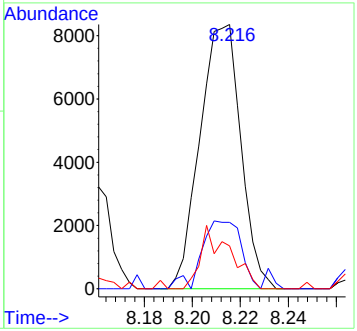


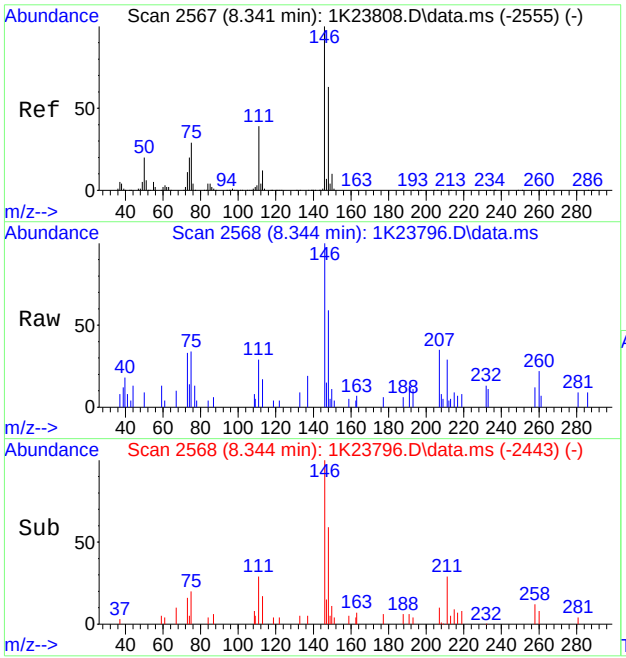


#108
sec-butylbenzene
Concen: 0.48 ug/L
RT: 8.216 min Scan# 2528
Delta R.T. 0.003 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion:105 Resp: 9897

Ion	Ratio	Lower	Upper
105	100		
134	25.2	0.0	51.5
91	16.3	0.0	45.0

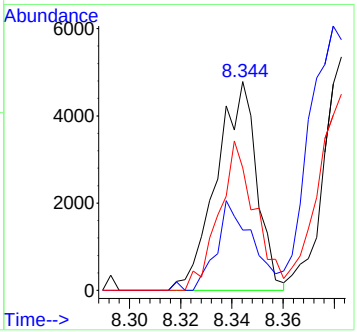


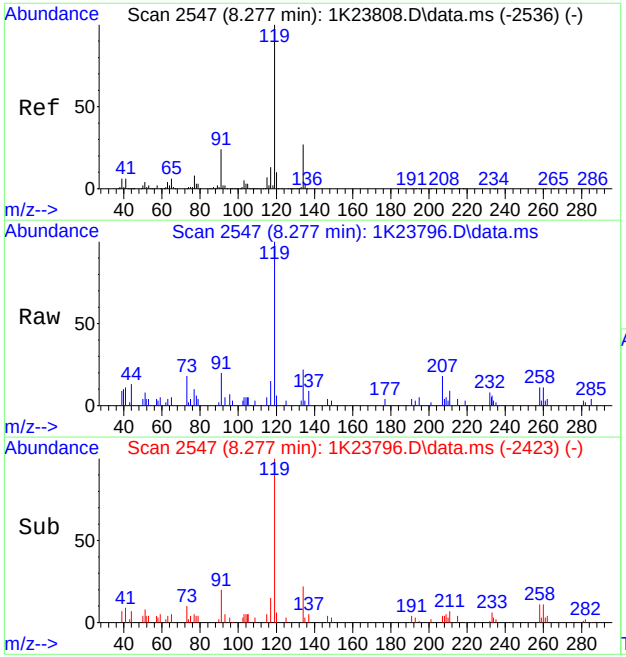


#109
1,3-dichlorobenzene
Concen: 0.51 ug/L
RT: 8.344 min Scan# 2568
Delta R.T. 0.003 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion:146 Resp: 5249

Ion	Ratio	Lower	Upper
146	100		
111	28.9	8.9	68.9
148	58.6	32.9	92.9

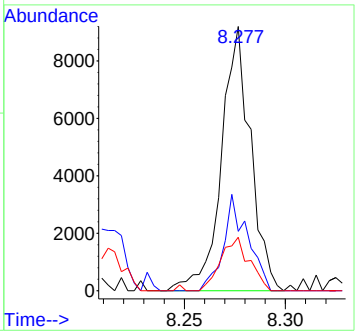


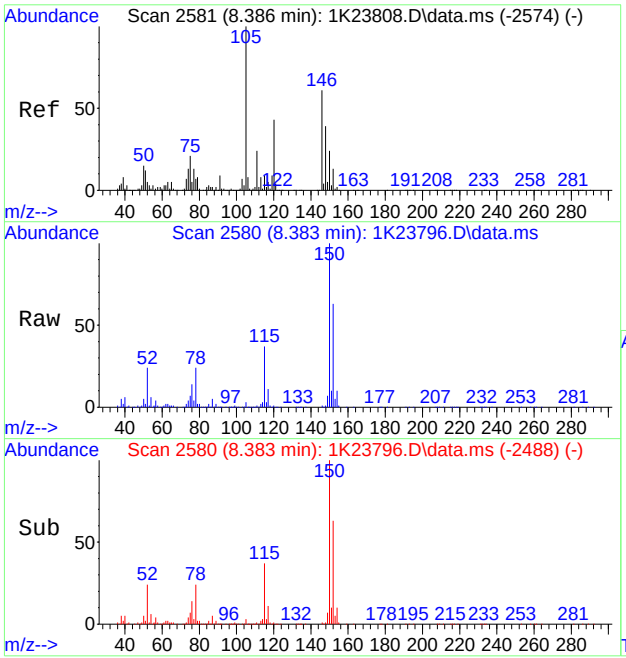


#110
p-isopropyltoluene
Concen: 0.52 ug/L
RT: 8.277 min Scan# 2547
Delta R.T. 0.000 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion:119 Resp: 9227

Ion	Ratio	Lower	Upper
119	100		
134	22.5	0.0	56.8
91	20.2	0.0	53.8

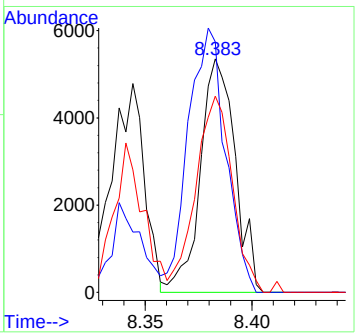


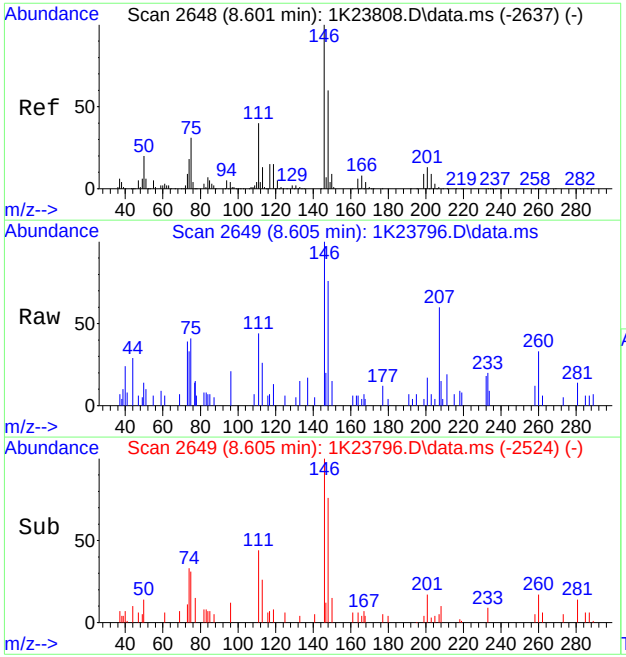


#111
1,4-dichlorobenzene
Concen: 0.59 ug/L
RT: 8.383 min Scan# 2580
Delta R.T. -0.003 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion:146 Resp: 6107

Ion	Ratio	Lower	Upper
146	100		
111	107.3	9.1	69.1#
148	84.0	33.9	93.9

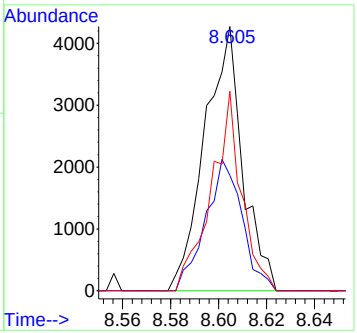


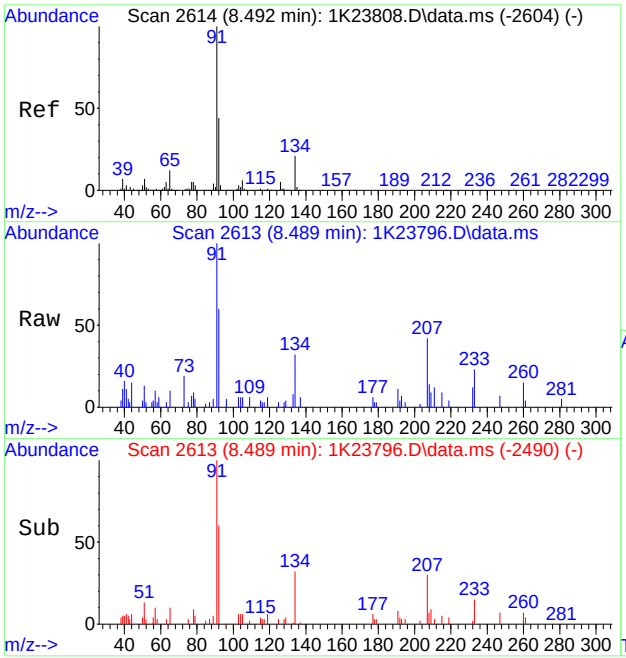


#112
1,2-dichlorobenzene
Concen: 0.48 ug/L
RT: 8.605 min Scan# 2649
Delta R.T. 0.003 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion:146 Resp: 4678

Ion	Ratio	Lower	Upper
146	100		
111	43.7	9.9	69.9
148	75.5	30.0	90.0

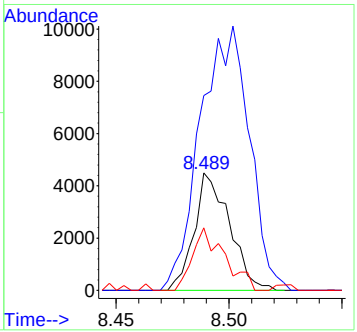


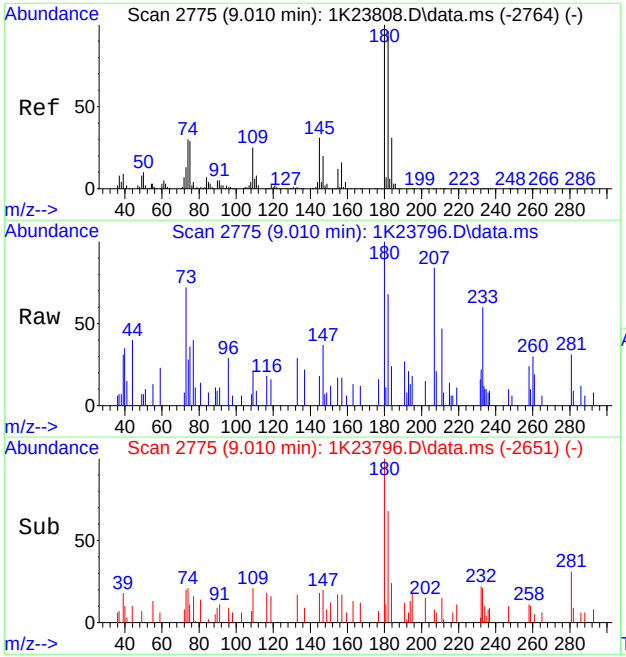


#114
n-butylbenzene
Concen: 0.51 ug/L
RT: 8.489 min Scan# 2613
Delta R.T. -0.003 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion: 92 Resp: 4881

Ion	Ratio	Lower	Upper
92	100		
91	165.8	199.3	259.3#
134	53.2	17.7	77.7

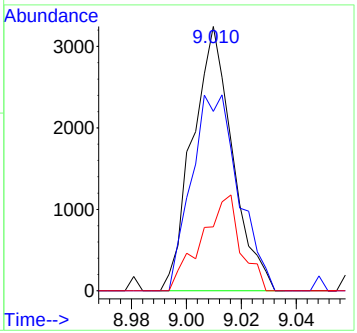


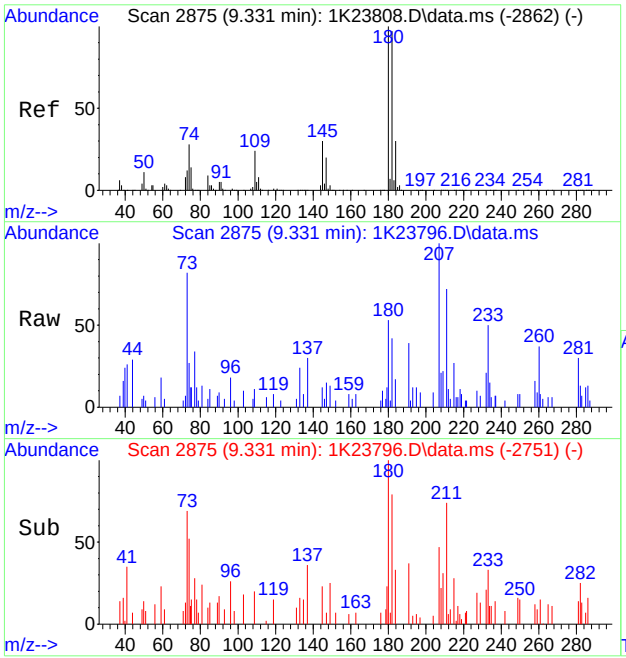


#116
1,3,5-trichlorobenzene
Concen: 0.58 ug/L
RT: 9.010 min Scan# 2775
Delta R.T. 0.000 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion:180 Resp: 3296

Ion	Ratio	Lower	Upper
180	100		
182	67.8	76.0	116.0#
184	24.2	11.0	51.0

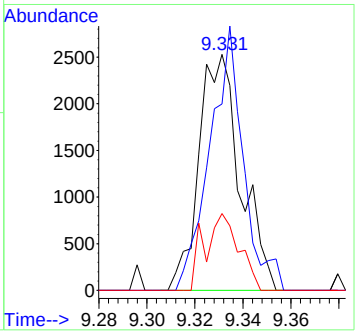


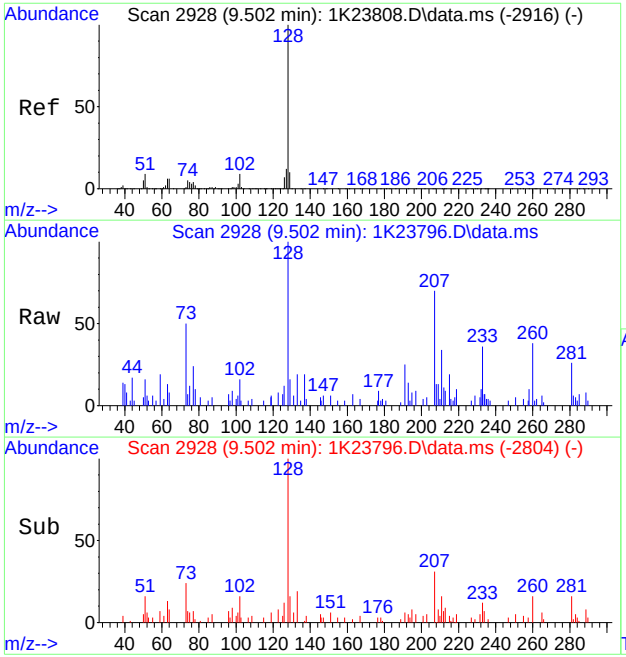


#117
1,2,4-trichlorobenzene
Concen: 0.60 ug/L
RT: 9.331 min Scan# 2875
Delta R.T. 0.000 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion:180 Resp: 3029

Ion	Ratio	Lower	Upper
180	100		
182	79.0	67.0	127.0
184	32.5	0.2	60.2

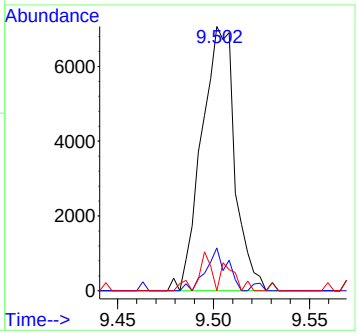


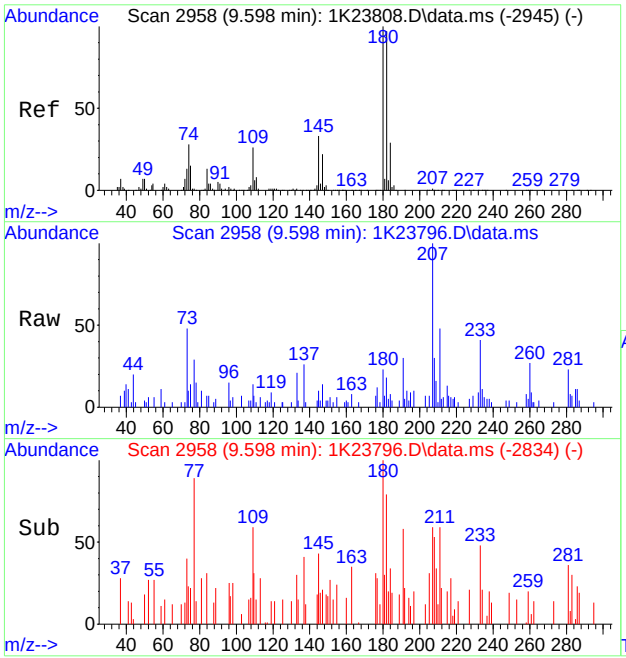


#119
naphthalene
Concen: 0.50 ug/L
RT: 9.502 min Scan# 2928
Delta R.T. 0.000 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion:128 Resp: 8525

Ion	Ratio	Lower	Upper
128	100		
129	16.3	0.0	40.4
127	0.0	0.0	42.3

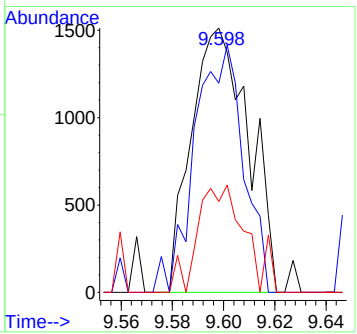




#120
1,2,3-trichlorobenzene
Concen: 0.51 ug/L
RT: 9.598 min Scan# 2958
Delta R.T. 0.000 min
Lab File: 1K23796.D
Acq: 5 Sep 2025 9:41 pm

Tgt Ion:180 Resp: 2357

Ion	Ratio	Lower	Upper
180	100		
182	79.0	66.8	126.8
184	34.4	0.0	59.3



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 09/08/25 19:13

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 1K23798.D
Acq On : 5 Sep 2025 10:16 pm
Operator : PrashanS
Sample : IC658-1
Misc : MS95614,V1K658,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 08 11:22:21 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 11:06:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	3.531	65	265256	500.00	ug/L		0.04
5) pentafluorobenzene	4.807	168	696316	50.00	ug/L		0.00
50) 1,4-difluorobenzene	5.168	114	1064288	50.00	ug/L		0.00
72) chlorobenzene-d5	7.110	117	900264	50.00	ug/L		0.00
96) 1,4-dichlorobenzene-d4	8.376	152	427238	50.00	ug/L		0.00
124) pentafluorobenzene(a)	4.807	168	696316	50.00	ug/L		0.00
128) 1,4-dichlorobenzene-d4(a)	8.376	152	427238	50.00	ug/L		0.00
System Monitoring Compounds							
42) dibromofluoromethane (s)	4.524	113	302550	51.17	ug/L		0.00
Spiked Amount 50.000	Range 75 - 127		Recovery = 102.34%				
51) 1,2-dichloroethane-d4 (s)	4.878	65	396975	53.58	ug/L		0.00
Spiked Amount 50.000	Range 75 - 130		Recovery = 107.16%				
73) toluene-d8 (s)	6.119	98	1227022	49.05	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.10%				
97) 4-bromofluorobenzene (s)	7.788	95	446869	49.27	ug/L		0.00
Spiked Amount 50.000	Range 79 - 127		Recovery = 98.54%				
Target Compounds							Qvalue
3) tertiary butyl alcohol	3.595	59	3630	5.6883	ug/L	#	54
6) chlorodifluoromethane	1.756	51	10004	0.9806	ug/L		89
7) dichlorodifluoromethane	1.711	85	7075	0.9648	ug/L		88
8) chloromethane	1.894	50	7674	0.8812	ug/L		89
9) vinyl chloride	1.949	62	6608	0.9696	ug/L		84
10) 1,3-butadiene	1.972	39	7070	0.9382	ug/L		91
11) bromomethane	2.251	96	1849	0.8200	ug/L	#	63
12) chloroethane	2.364	64	3616	0.9840	ug/L		71
13) trichlorofluoromethane	2.470	101	9022	0.9494	ug/L		98
14) ethyl ether	2.724	74	3087	1.0084	ug/L		93
15) acrolein	3.155	56	1551	0.9604	ug/L		93
16) freon 113	2.907	151	3368m	0.8029	ug/L		
17) 1,1-dichloroethene	2.888	61	7597	0.7877	ug/L		87
18) acetone	3.370	58	2856	4.0913	ug/L	#	60
21) carbon disulfide	2.923	76	12330	0.7889	ug/L		89
22) methylene chloride	3.322	84	5106	1.0069	ug/L		86
23) methyl acetate	3.444	74	1064	0.8577	ug/L	#	20
24) methyl tert butyl ether	3.505	73	15632m	0.8955	ug/L		
25) trans-1,2-dichloroethene	3.441	96	5043	0.9096	ug/L	#	76
26) hexane	3.483	57	12352	0.8555	ug/L		89
27) di-isopropyl ether	3.759	45	21031	0.8936	ug/L		89
28) ethyl tert-butyl ether	4.013	59	18956	0.9147	ug/L		92
29) 2-butanone	4.602	72	4068	4.1205	ug/L	#	52
30) 1,1-dichloroethane	3.875	63	10288	1.0019	ug/L		92
31) chloroprene	3.852	53	10824	0.9094	ug/L		91
32) acrylonitrile	3.904	52	2577	0.9573	ug/L	#	63
35) 2,2-dichloropropane	4.309	77	8762	0.9635	ug/L		80
36) cis-1,2-dichloroethene	4.232	96	4926	0.8741	ug/L		82
37) propionitrile	4.804	54	10861m	8.6658	ug/L		
39) bromochloromethane	4.370	128	2542	1.0092	ug/L	#	75
40) tetrahydrofuran	4.518	71	957	1.0472	ug/L	#	62
41) chloroform	4.396	83	11554	1.1614	ug/L		85
44) 1,1,1-trichloroethane	4.557	97	8228	0.9239	ug/L		84
45) cyclohexane	4.373	84	7292	0.9832	ug/L	#	67
46) 1,1-dichloropropene	4.631	75	7459	0.9405	ug/L		93
47) carbon tetrachloride	4.499	117	9319	1.1566	ug/L	#	70
52) iso-octane	4.685	57	19600	0.9247	ug/L		94
53) benzene	4.791	78	19646	0.9054	ug/L		92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 1K23798.D
Acq On : 5 Sep 2025 10:16 pm
Operator : PrashanS
Sample : IC658-1
Misc : MS95614,V1K658,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 08 11:22:21 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 11:06:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
54) tert-amyl methyl ether	4.843	73	16478	0.9104 ug/L	89
55) heptane	4.743	57	3210	1.0582 ug/L #	71
56) isopropyl acetate	5.039	87	1579	0.9771 ug/L #	58
57) 1,2-dichloroethane	4.923	62	8962	1.0188 ug/L	95
59) ethyl acrylate	5.483	55	9723	0.9259 ug/L	97
60) trichloroethene	5.164	130	5335	1.0592 ug/L	80
62) 2-chloroethyl vinyl ether	5.923	63	18543	4.7774 ug/L	97
63) methyl methacrylate	5.614	100	1741	0.9272 ug/L #	64
64) 1,2-dichloropropane	5.502	63	5418	0.9132 ug/L	74
65) methylcyclohexane	5.158	98	3755	0.9378 ug/L #	50
66) dibromomethane	5.454	93	3338	1.0450 ug/L #	54
67) bromodichloromethane	5.544	83	7017	1.0007 ug/L	93
68) epichlorohydrin	6.158	57	4295	4.9338 ug/L	85
69) cis-1,3-dichloropropene	5.991	75	8030	0.9188 ug/L	88
70) 4-methyl-2-pentanone	6.386	58	13521	4.0504 ug/L	87
71) 3-methyl-1-butanol	6.232	70	2905	18.0088 ug/L #	48
74) toluene	6.158	92	12633	0.8665 ug/L	95
75) ethyl methacrylate	6.495	69	7437	0.9133 ug/L	90
76) trans-1,3-dichloropropene	6.418	75	8388	0.9220 ug/L	92
77) 1,1,2-trichloroethane	6.528	83	3708	0.9811 ug/L	88
78) tetrachloroethene	6.421	166	5219	0.9744 ug/L	85
79) 2-hexanone	6.907	58	13378	3.6074 ug/L	91
80) 1,3-dichloropropane	6.704	76	7818	0.9070 ug/L	93
81) butyl acetate	6.833	56	5310	0.8437 ug/L	96
82) dibromochloromethane	6.650	129	4985	0.8849 ug/L	96
83) 1,2-dibromoethane	6.817	107	4730	0.9966 ug/L	97
84) n-butyl ether	7.013	57	26757	0.9253 ug/L	94
85) chlorobenzene	7.119	112	12767	0.8719 ug/L	94
86) 1,1,1,2-tetrachloroethane	7.151	131	4884	0.8942 ug/L	96
87) ethylbenzene	7.119	91	25224	0.9255 ug/L	78
88) m,p-xylene	7.203	106	18801	1.9034 ug/L	99
89) o-xylene	7.457	106	8892	0.9437 ug/L #	59
90) styrene	7.486	104	13815	0.8386 ug/L	84
91) bromoform	7.511	173	3569	0.9325 ug/L	95
92) butyl acrylate	7.524	55	13744	0.8782 ug/L	97
93) isopropylbenzene	7.624	105	21410	0.9240 ug/L	99
94) n-amyl acetate	7.659	70	5206	1.0844 ug/L #	62
98) bromobenzene	7.856	156	5381	0.9269 ug/L #	82
99) 1,1,2,2-tetrachloroethane	7.884	83	7287	1.0004 ug/L	89
100) trans-1,4-dichloro-2-b...	7.974	53	2712	0.8630 ug/L #	74
101) 1,2,3-trichloropropane	7.971	110	2437m	1.0519 ug/L	
102) n-propylbenzene	7.849	91	23199	0.8650 ug/L	93
103) 2-chlorotoluene	7.946	126	4768	0.8603 ug/L	92
104) 4-chlorotoluene	8.029	91	16029	0.8874 ug/L	95
105) 1,3,5-trimethylbenzene	7.942	105	16545	0.9249 ug/L	90
106) tert-butylbenzene	8.119	119	15670	1.0167 ug/L	87
107) 1,2,4-trimethylbenzene	8.151	105	16958	0.8703 ug/L	97
108) sec-butylbenzene	8.209	105	19368	0.9221 ug/L	94
109) 1,3-dichlorobenzene	8.341	146	9861	0.9206 ug/L	95
110) p-isopropyltoluene	8.277	119	16575	0.8907 ug/L	93
111) 1,4-dichlorobenzene	8.383	146	9960	0.8556 ug/L #	56
112) 1,2-dichlorobenzene	8.601	146	9316	0.9439 ug/L	89
113) 1,2,3-trimethylbenzene	8.383	105	17964	0.8955 ug/L #	56
114) n-butylbenzene	8.495	92	9281	0.9324 ug/L	97
115) 1,2-dibromo-3-chloropr...	9.000	157	1985	0.9758 ug/L	89
116) 1,3,5-trichlorobenzene	9.013	180	5735	0.9113 ug/L	99
117) 1,2,4-trichlorobenzene	9.331	180	4989	0.8721 ug/L #	66
119) naphthalene	9.502	128	14549	0.8323 ug/L	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 1K23798.D
Acq On : 5 Sep 2025 10:16 pm
Operator : PrashanS
Sample : IC658-1
Misc : MS95614,V1K658,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 08 11:22:21 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 11:06:26 2025
Response via : Initial Calibration

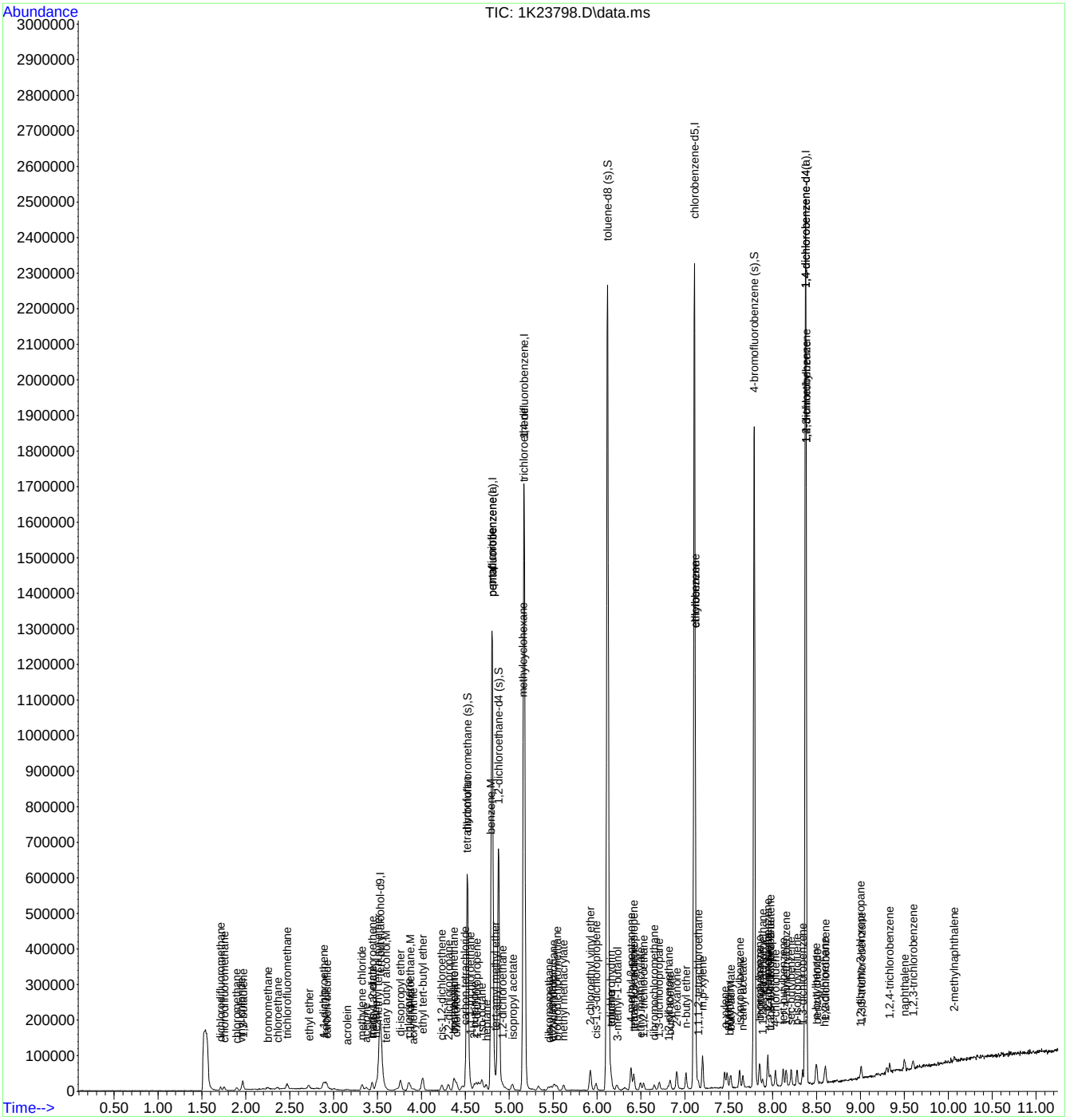
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
120) 1,2,3-trichlorobenzene	9.601	180	4133	0.8628	ug/L	84
121) hexachloroethane	8.592	119	3231	1.0289	ug/L #	81
122) benzyl chloride	8.505	126	2969	0.9325	ug/L	98
123) 2-methylnaphthalene	10.068	142	3646	0.5939	ug/L	95

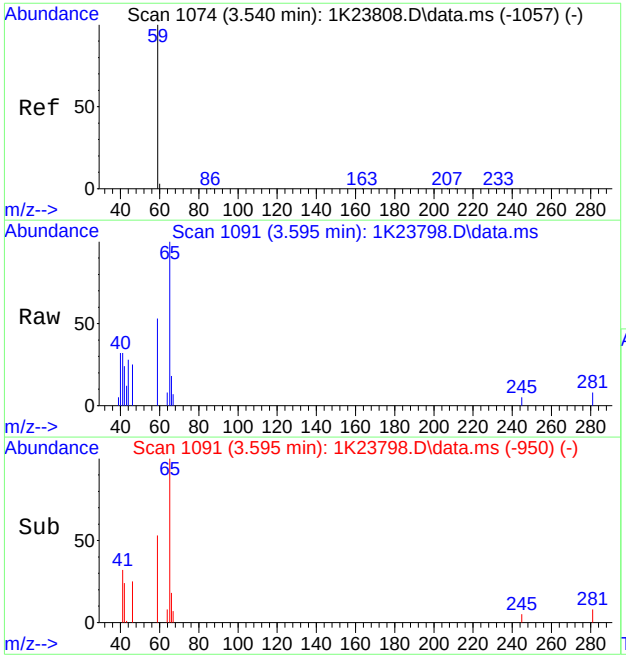
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 1K23798.D
Acq On : 5 Sep 2025 10:16 pm
Operator : PrashanS
Sample : IC658-1
Misc : MS95614,V1K658,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 08 11:22:21 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 11:06:26 2025
Response via : Initial Calibration

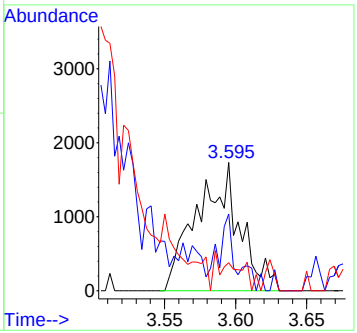


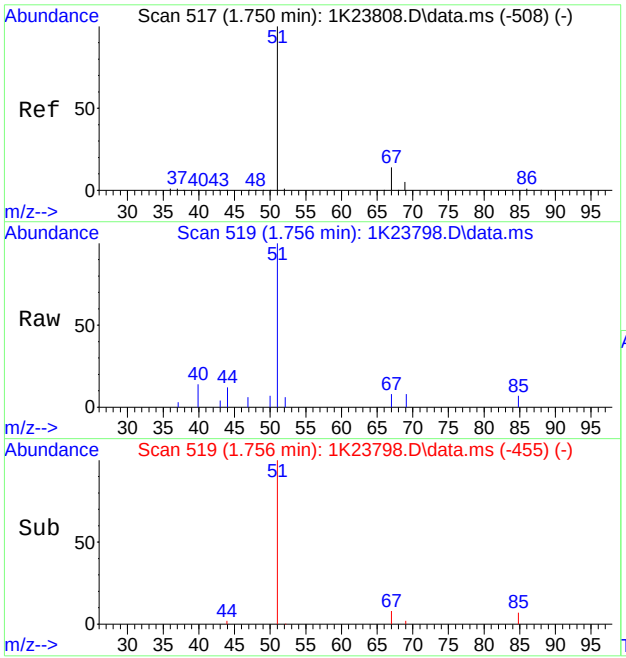


#3
tertiary butyl alcohol
Concen: 5.69 ug/L
RT: 3.595 min Scan# 1091
Delta R.T. 0.055 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion: 59 Resp: 3630

Ion	Ratio	Lower	Upper
59	100		
41	59.9	0.0	46.0#
43	21.9	0.0	51.1

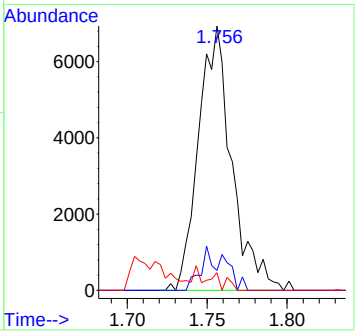


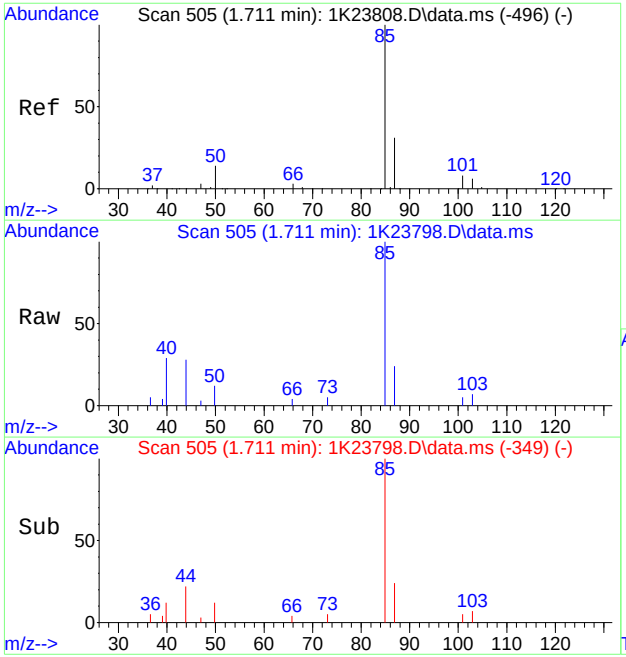


#6
chlorodifluoromethane
Concen: 0.98 ug/L
RT: 1.756 min Scan# 519
Delta R.T. 0.007 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion: 51 Resp: 10004

Ion	Ratio	Lower	Upper
51	100		
67	7.6	0.0	44.3
50	6.7	0.0	36.5

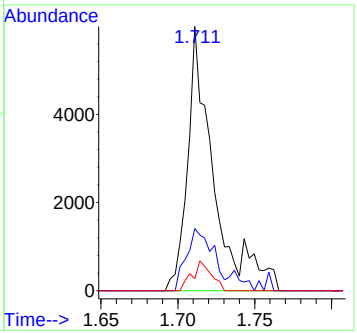


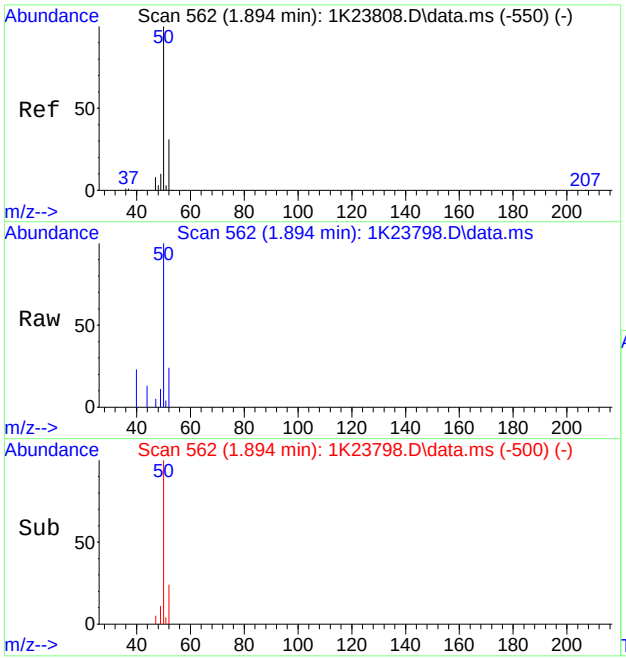


#7
dichlorodifluoromethane
Concen: 0.96 ug/L
RT: 1.711 min Scan# 505
Delta R.T. 0.000 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion: 85 Resp: 7075

Ion	Ratio	Lower	Upper
85	100		
87	23.6	0.7	60.7
101	4.6	0.0	38.3

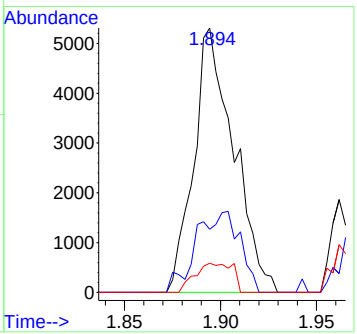


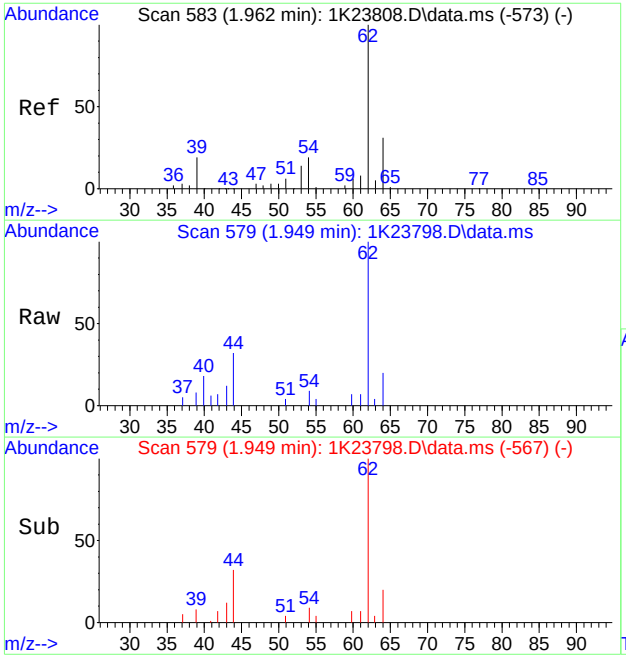


#8
chloromethane
Concen: 0.88 ug/L
RT: 1.894 min Scan# 562
Delta R.T. 0.000 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion: 50 Resp: 7674

Ion	Ratio	Lower	Upper
50	100		
52	23.9	1.4	61.4
49	11.1	0.0	40.1

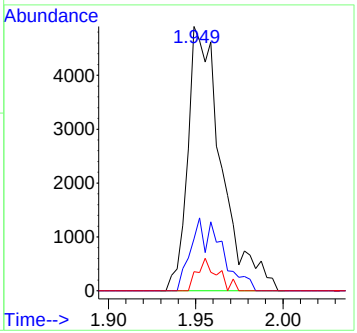


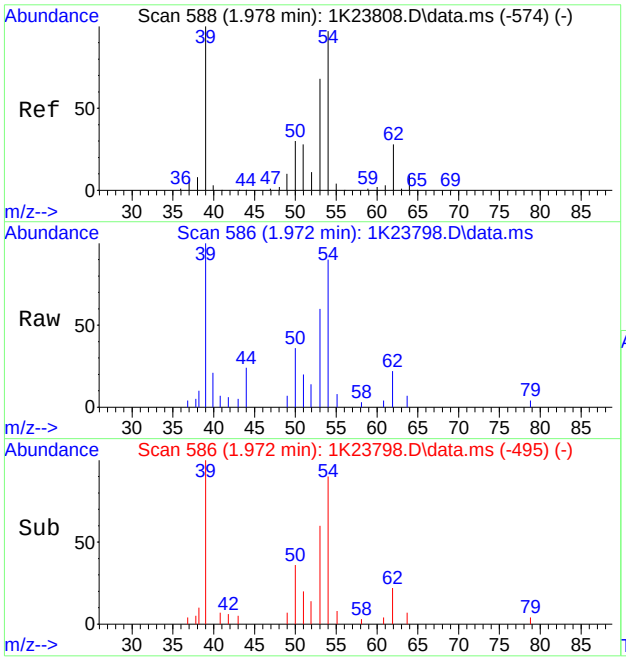


#9
vinyl chloride
Concen: 0.97 ug/L
RT: 1.949 min Scan# 579
Delta R.T. -0.013 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion: 62 Resp: 6608

Ion	Ratio	Lower	Upper
62	100		
64	19.7	0.6	60.6
61	7.2	0.0	38.4

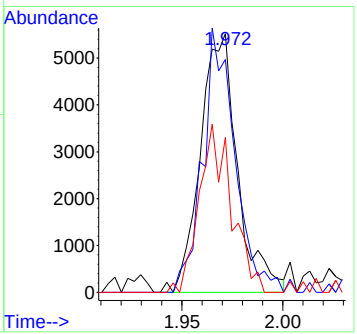


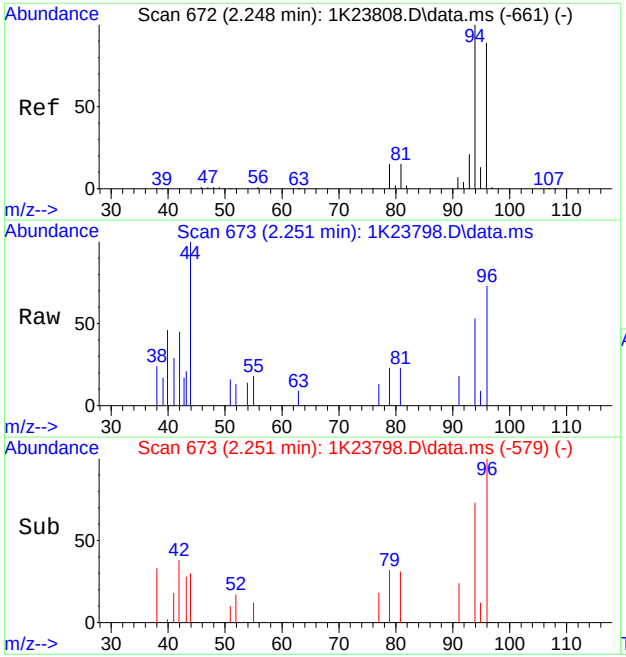


#10
1,3-butadiene
Concen: 0.94 ug/L
RT: 1.972 min Scan# 586
Delta R.T. -0.006 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion: 39 Resp: 7070

Ion	Ratio	Lower	Upper
39	100		
54	90.0	67.0	127.0
53	59.9	38.5	98.5

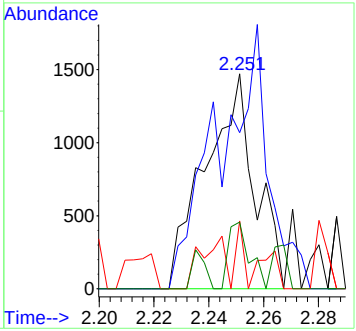


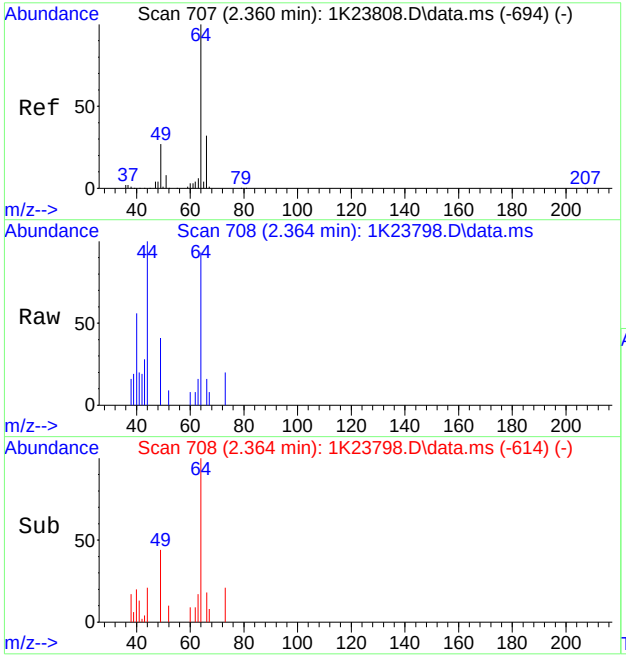


#11
bromomethane
Concen: 0.82 ug/L
RT: 2.251 min Scan# 673
Delta R.T. 0.003 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion: 96 Resp: 1849

Ion	Ratio	Lower	Upper
96	100		
94	72.6	82.9	142.9#
79	31.6	17.4	17.4#
81	31.1	0.0	36.4

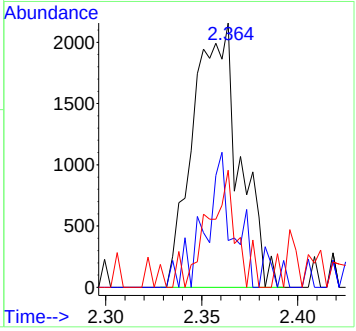


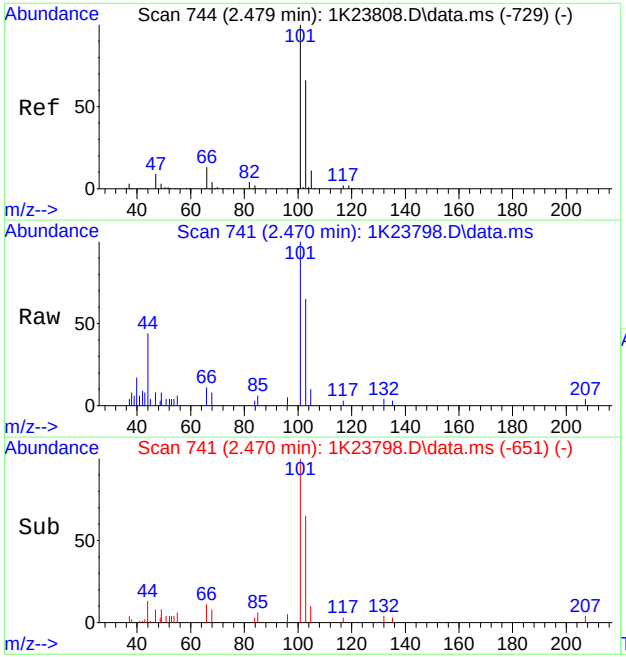


#12
chloroethane
Concen: 0.98 ug/L
RT: 2.364 min Scan# 708
Delta R.T. 0.003 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion: 64 Resp: 3616

Ion	Ratio	Lower	Upper
64	100		
66	17.7	1.6	61.6
49	44.3	0.0	57.3

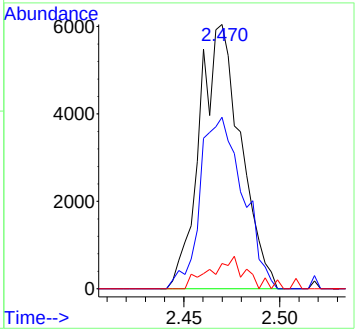


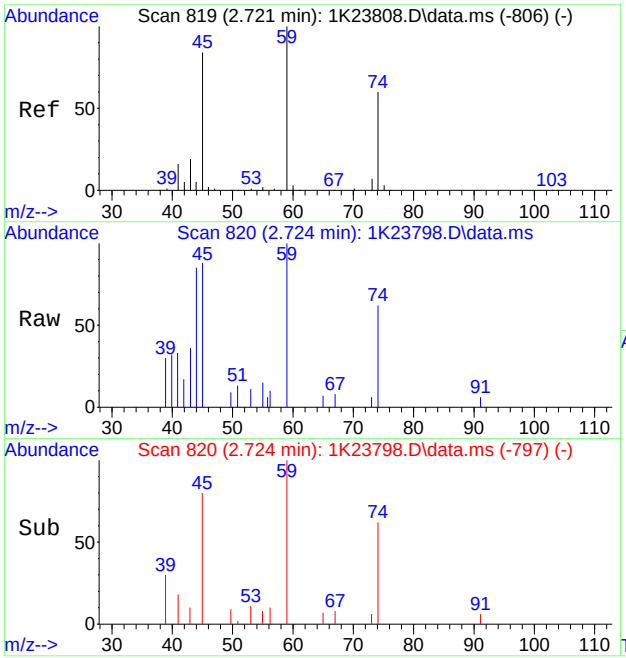


#13
trichlorofluoromethane
Concen: 0.95 ug/L
RT: 2.470 min Scan# 741
Delta R.T. -0.010 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion:101 Resp: 9022

Ion	Ratio	Lower	Upper
101	100		
103	64.9	35.9	95.9
105	9.6	0.0	40.9

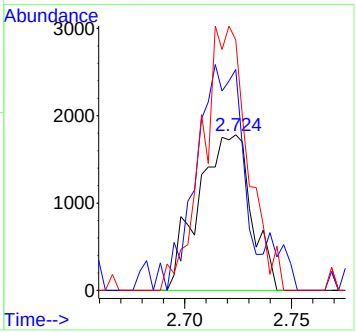


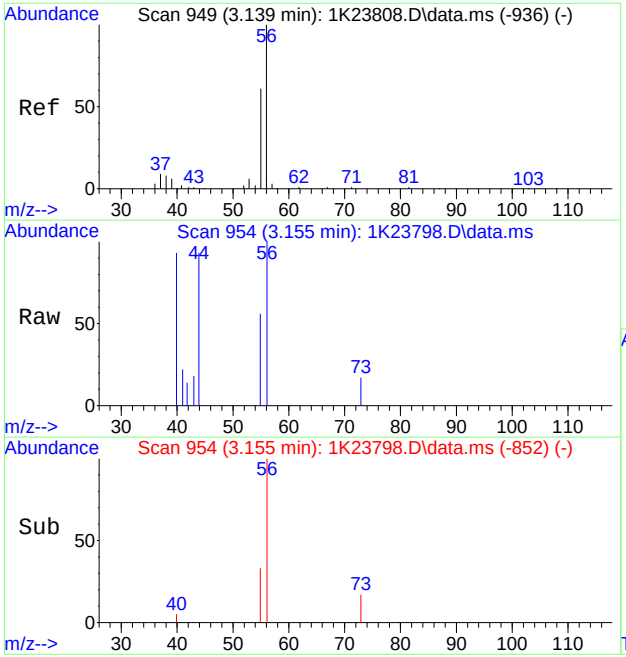


#14
ethyl ether
Concen: 1.01 ug/L
RT: 2.724 min Scan# 820
Delta R.T. 0.003 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion: 74 Resp: 3087

Ion	Ratio	Lower	Upper
74	100		
45	124.4	108.3	168.3
59	160.9	135.3	195.3

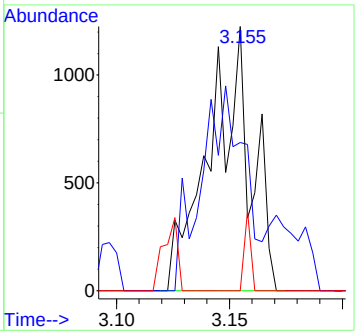


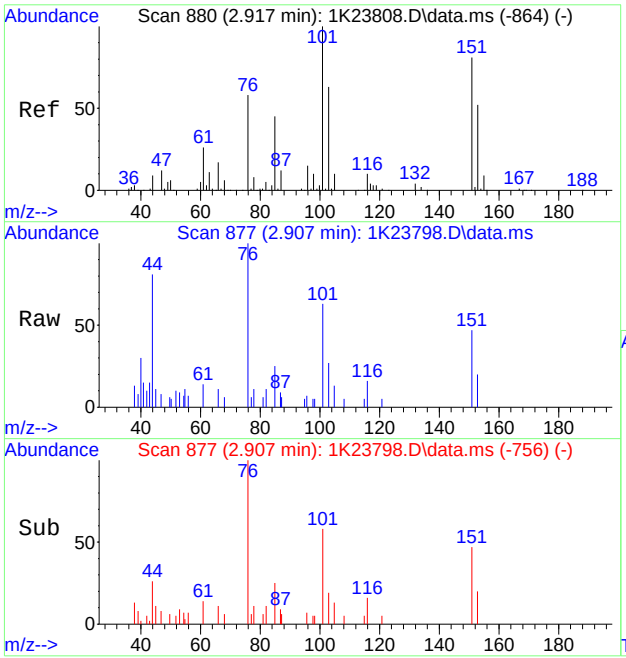


#15
acrolein
Concen: 0.96 ug/L
RT: 3.155 min Scan# 954
Delta R.T. 0.016 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion: 56 Resp: 1551

Ion	Ratio	Lower	Upper
56	100		
55	56.0	30.8	90.8
53	0.0	0.0	35.9

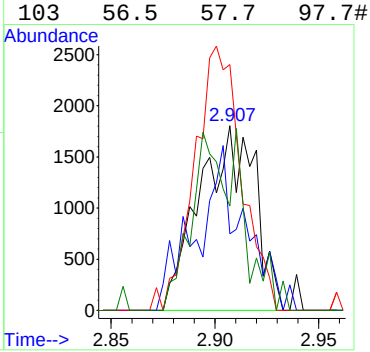


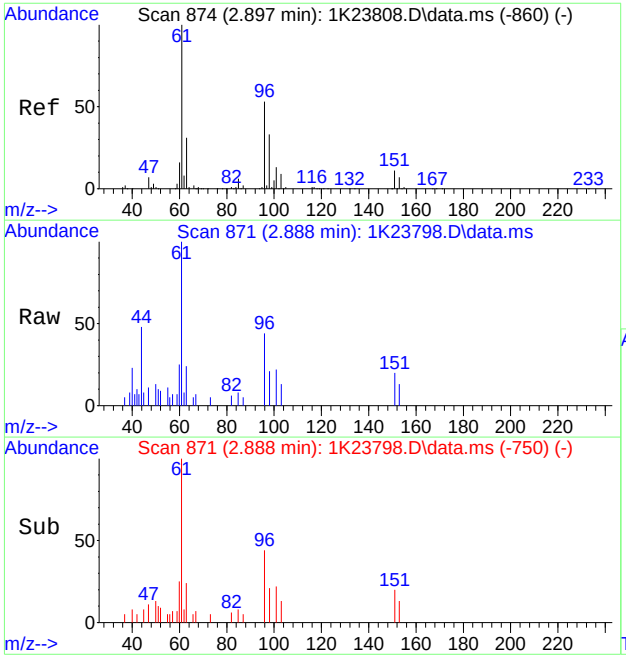


#16
freon 113
Concen: 0.80 ug/L m
RT: 2.907 min Scan# 877
Delta R.T. -0.010 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion:151 Resp: 3368

Ion	Ratio	Lower	Upper
151	100		
153	41.5	44.4	84.4#
101	133.1	102.8	142.8
103	56.5	57.7	97.7#

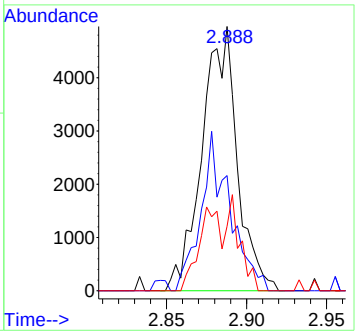


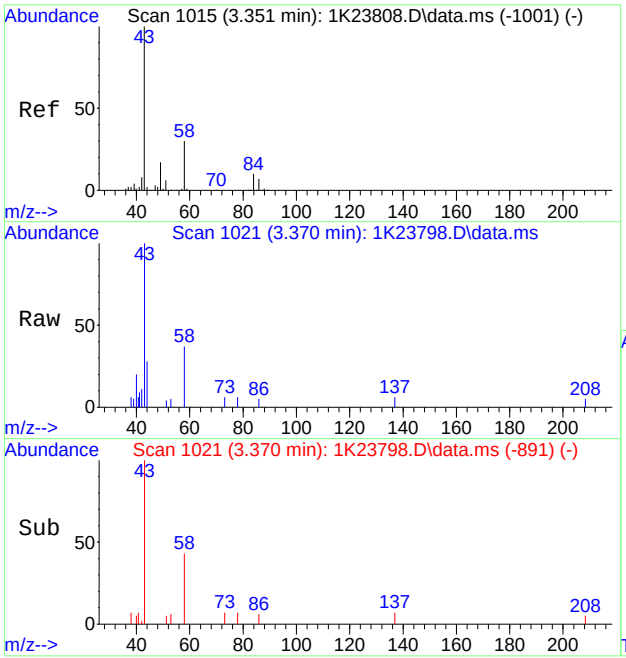


#17
1,1-dichloroethene
Concen: 0.79 ug/L
RT: 2.888 min Scan# 871
Delta R.T. -0.010 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion: 61 Resp: 7597

Ion	Ratio	Lower	Upper
61	100		
96	43.6	23.2	83.2
63	24.3	1.0	61.0

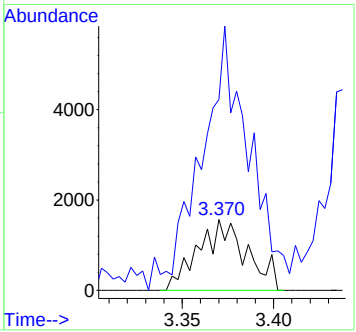


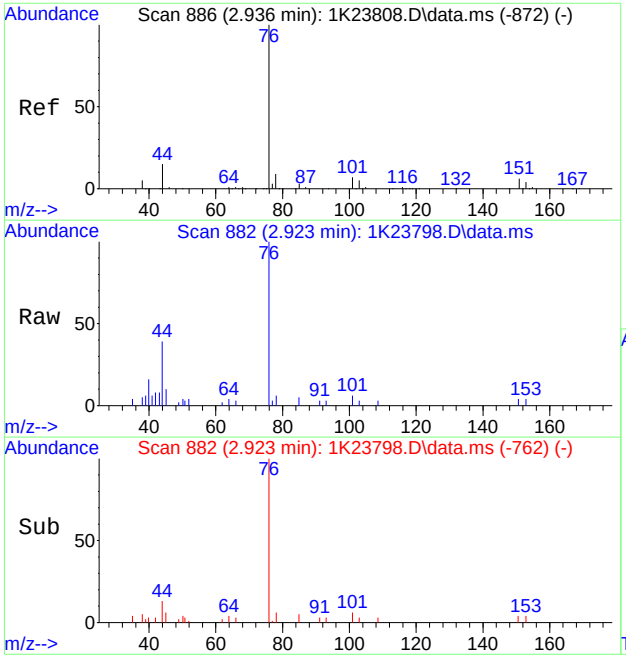


#18
acetone
Concen: 4.09 ug/L
RT: 3.370 min Scan# 1021
Delta R.T. 0.019 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion: 58 Resp: 2856

Ion	Ratio	Lower	Upper
58	100		
43	246.6	300.4	360.4#

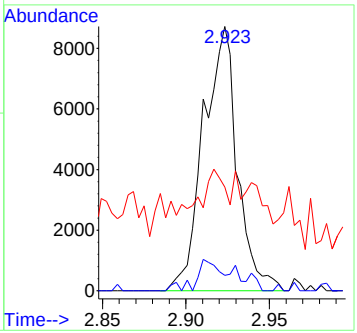


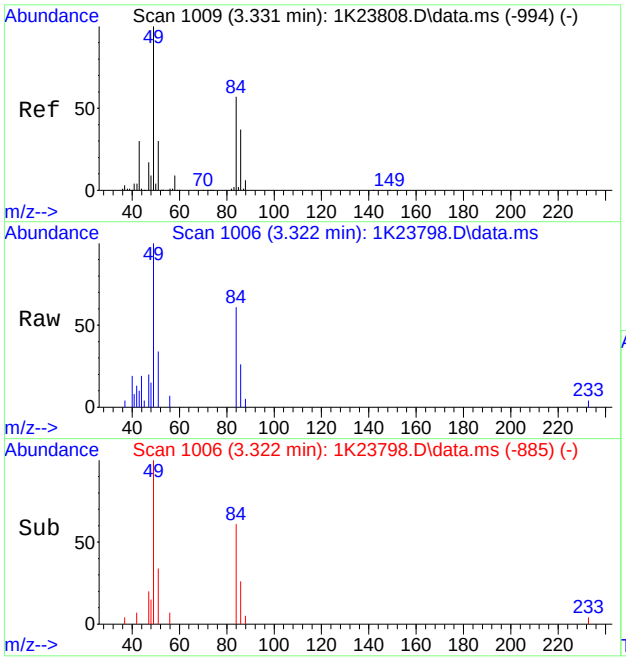


#21
carbon disulfide
Concen: 0.79 ug/L
RT: 2.923 min Scan# 882
Delta R.T. -0.013 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion: 76 Resp: 12330

Ion	Ratio	Lower	Upper
76	100		
78	5.9	0.0	39.5
44	9.7	0.0	44.8

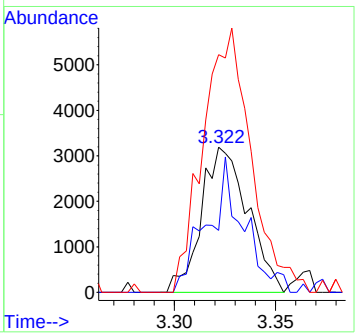




#22
methylene chloride
Concen: 1.01 ug/L
RT: 3.322 min Scan# 1006
Delta R.T. -0.010 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

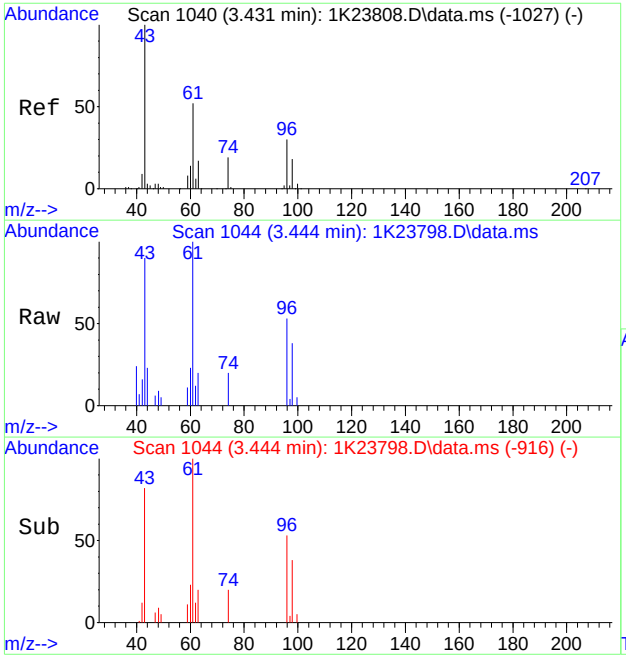
Tgt Ion: 84 Resp: 5106

Ion	Ratio	Lower	Upper
84	100		
86	42.7	35.3	95.3
49	163.6	144.8	204.8



7.6.3

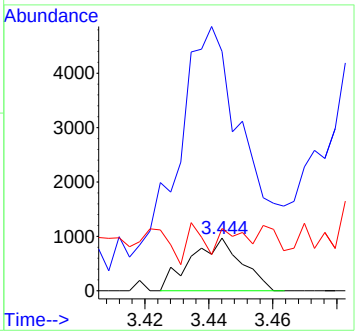
7

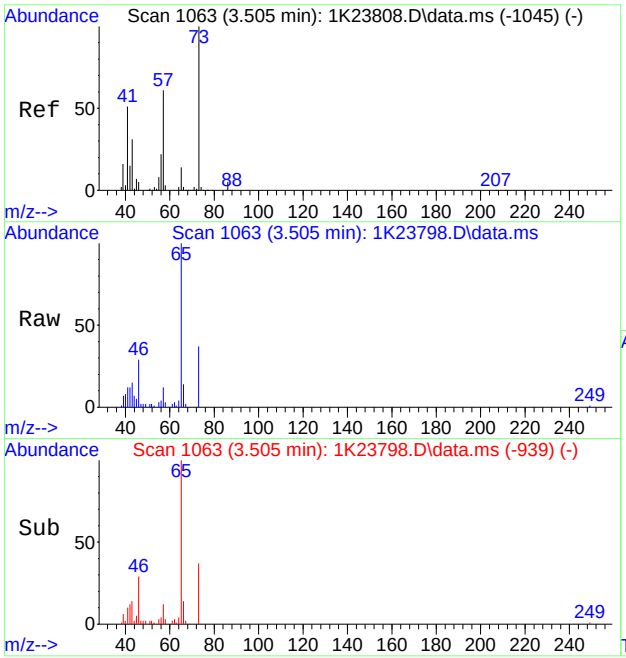


#23
methyl acetate
Concen: 0.86 ug/L
RT: 3.444 min Scan# 1044
Delta R.T. 0.013 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion: 74 Resp: 1064

Ion	Ratio	Lower	Upper
74	100		
43	292.5	491.2	551.2#
44	42.1	0.0	44.3

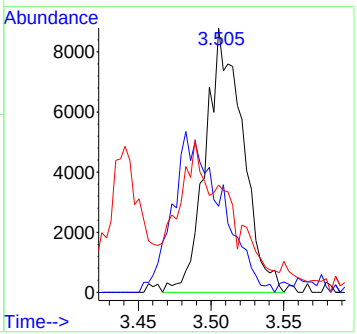


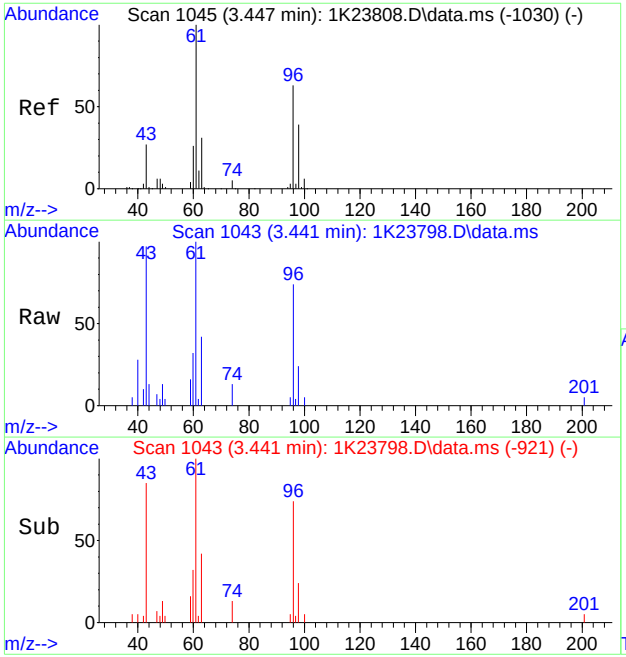


#24
methyl tert butyl ether
Concen: 0.90 ug/L m
RT: 3.505 min Scan# 1063
Delta R.T. 0.000 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion: 73 Resp: 15632

Ion	Ratio	Lower	Upper
73	100		
57	32.6	30.7	90.7
43	40.6	18.2	78.2

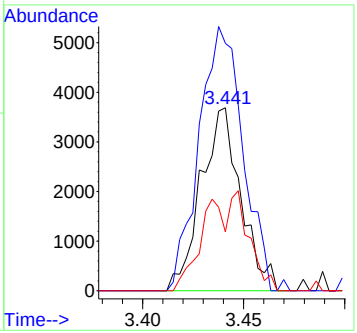


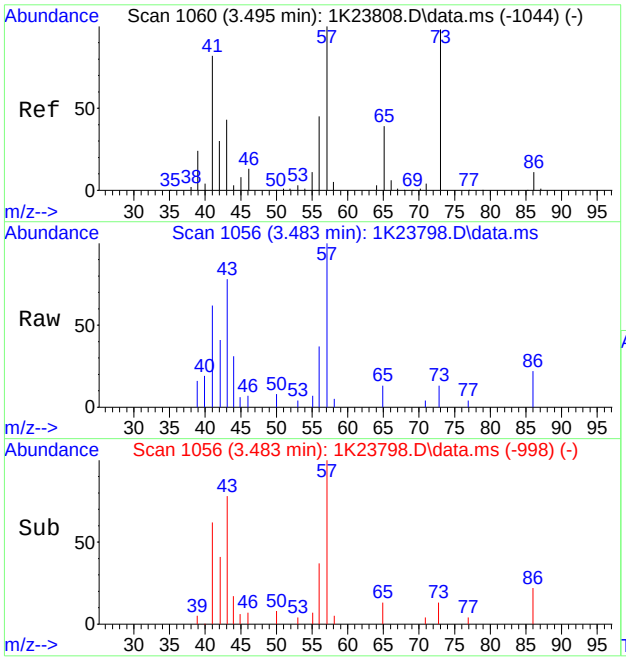


#25
trans-1,2-dichloroethene
Concen: 0.91 ug/L
RT: 3.441 min Scan# 1043
Delta R.T. -0.006 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion: 96 Resp: 5043

Ion	Ratio	Lower	Upper
96	100		
61	135.3	128.8	188.8
98	32.2	32.4	92.4#

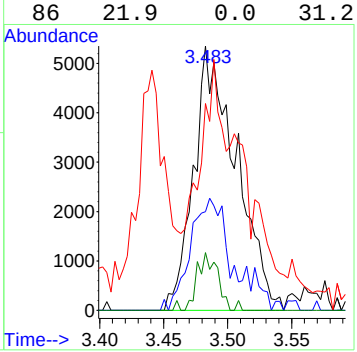


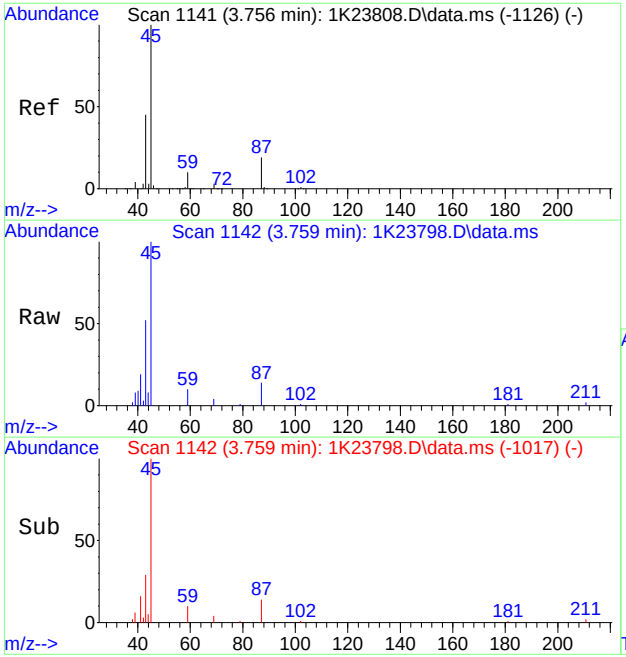


#26
hexane
Concen: 0.86 ug/L
RT: 3.483 min Scan# 1056
Delta R.T. -0.013 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion: 57 Resp: 12352

Ion	Ratio	Lower	Upper
57	100		
56	37.4	24.9	64.9
43	64.7	50.9	90.9
86	21.9	0.0	31.2

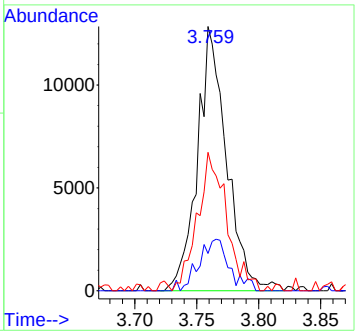


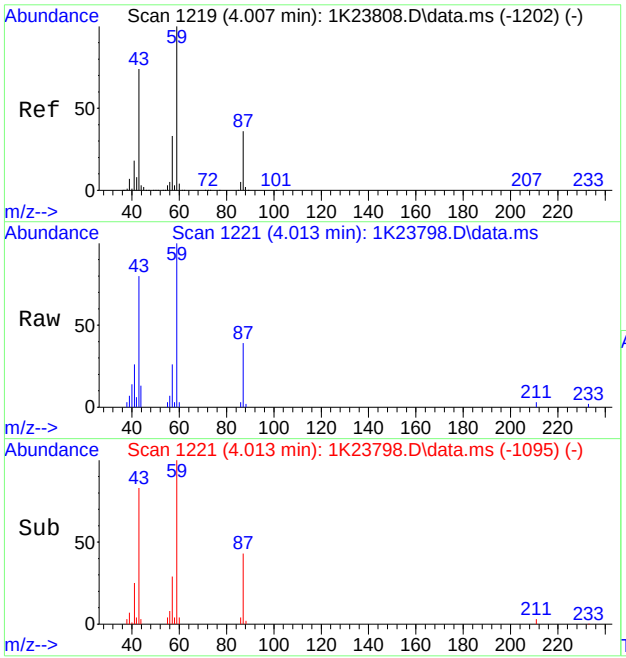


#27
di-isopropyl ether
Concen: 0.89 ug/L
RT: 3.759 min Scan# 1142
Delta R.T. 0.003 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion: 45 Resp: 21031

Ion	Ratio	Lower	Upper
45	100		
87	14.1	0.0	48.8
43	52.4	14.9	74.9

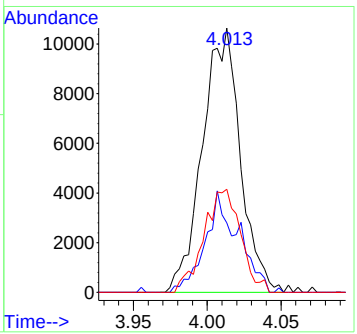


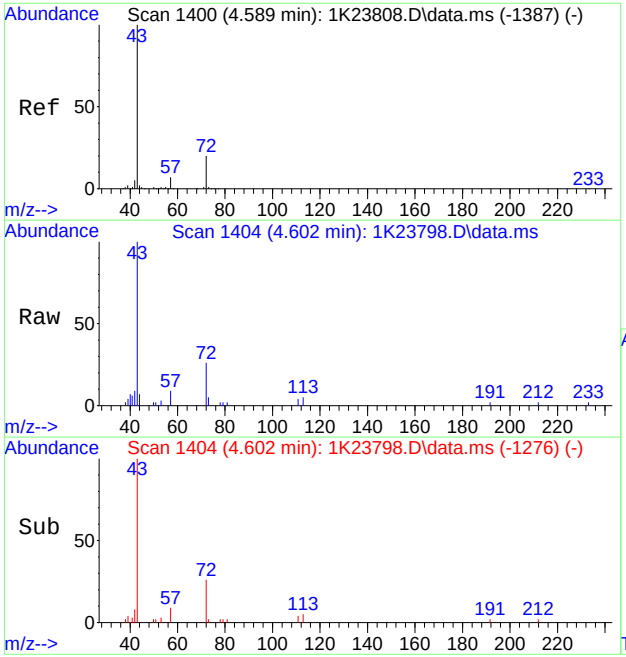


#28
ethyl tert-butyl ether
Concen: 0.91 ug/L
RT: 4.013 min Scan# 1221
Delta R.T. 0.007 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion: 59 Resp: 18956

Ion	Ratio	Lower	Upper
59	100		
57	26.3	2.6	62.6
87	39.0	5.8	65.8

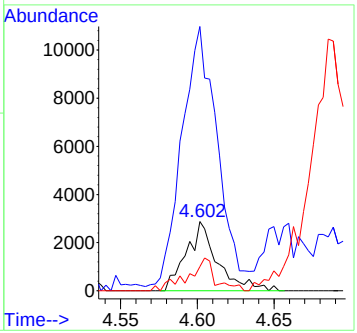


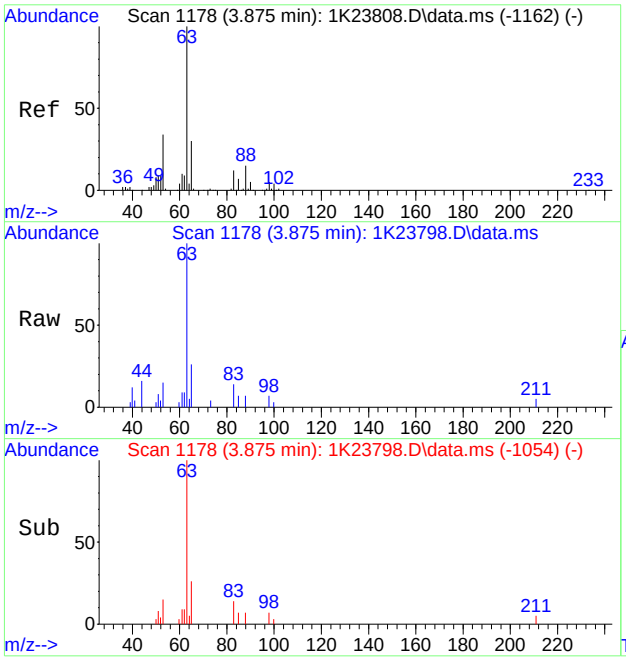


#29
2-butanone
Concen: 4.12 ug/L
RT: 4.602 min Scan# 1404
Delta R.T. 0.013 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion: 72 Resp: 4068

Ion	Ratio	Lower	Upper
72	100		
43	363.0	475.4	535.4#
57	34.8	5.7	65.7

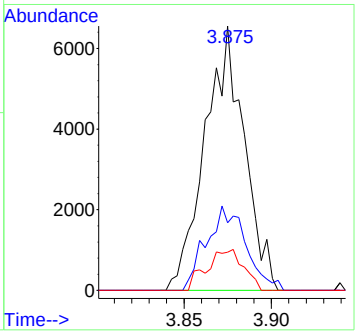


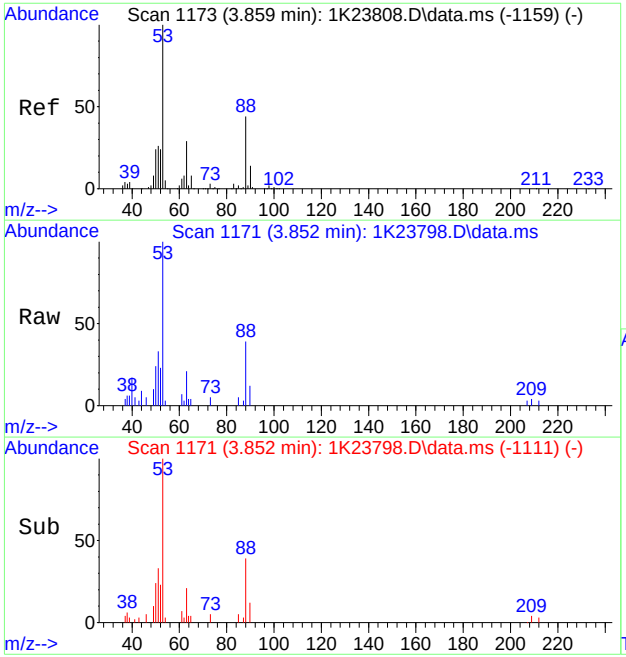


#30
1,1-dichloroethane
Concen: 1.00 ug/L
RT: 3.875 min Scan# 1178
Delta R.T. 0.000 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion: 63 Resp: 10288

Ion	Ratio	Lower	Upper
63	100		
65	25.6	0.2	60.2
83	14.5	0.0	42.0

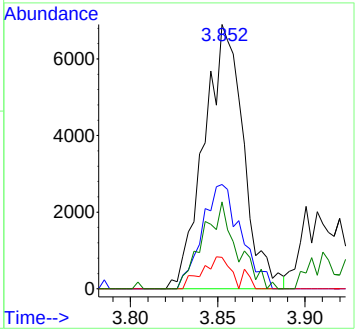


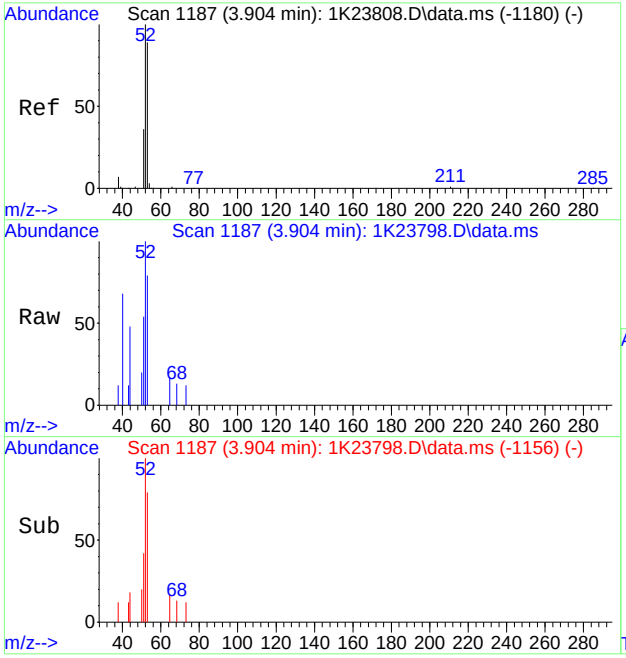


#31
chloroprene
Concen: 0.91 ug/L
RT: 3.852 min Scan# 1171
Delta R.T. -0.006 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion: 53 Resp: 10824

Ion	Ratio	Lower	Upper
53	100		
88	39.4	13.8	73.8
90	11.9	0.0	44.2
51	32.9	0.0	56.1

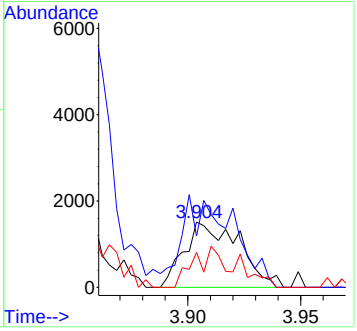


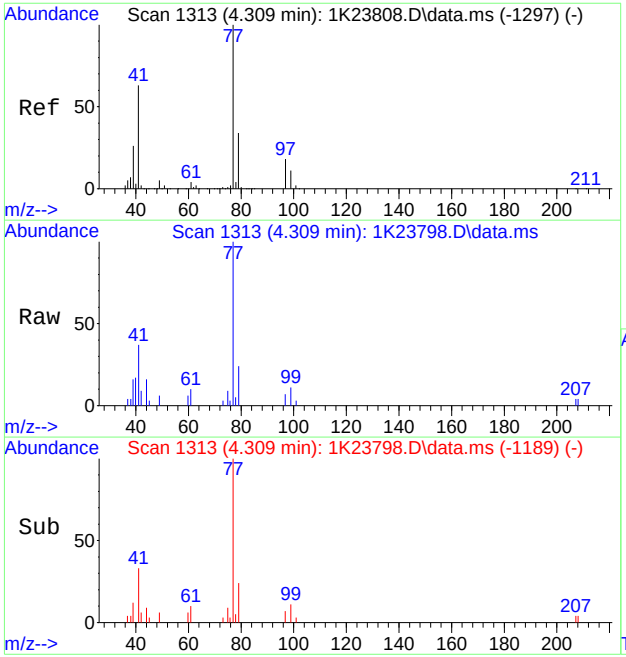


#32
acrylonitrile
Concen: 0.96 ug/L
RT: 3.904 min Scan# 1187
Delta R.T. 0.000 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion: 52 Resp: 2577

Ion	Ratio	Lower	Upper
52	100		
53	78.7	99.5	159.5#
51	53.9	13.8	73.8

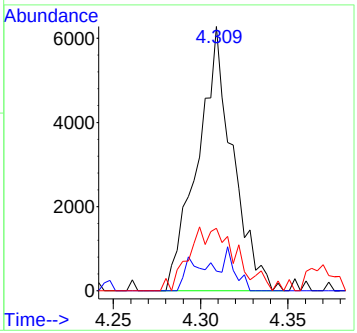


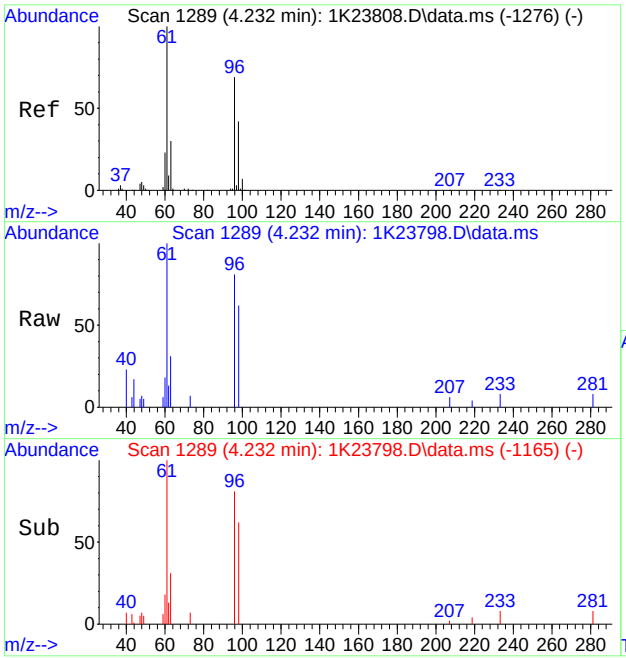


#35
2,2-dichloropropane
Concen: 0.96 ug/L
RT: 4.309 min Scan# 1313
Delta R.T. 0.000 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion: 77 Resp: 8762

Ion	Ratio	Lower	Upper
77	100		
97	7.4	0.0	47.6
79	23.6	3.7	63.7

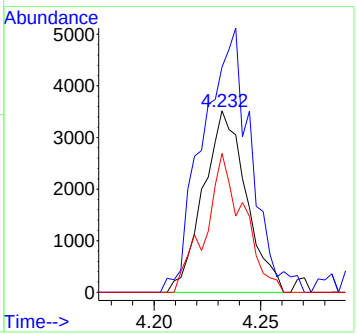


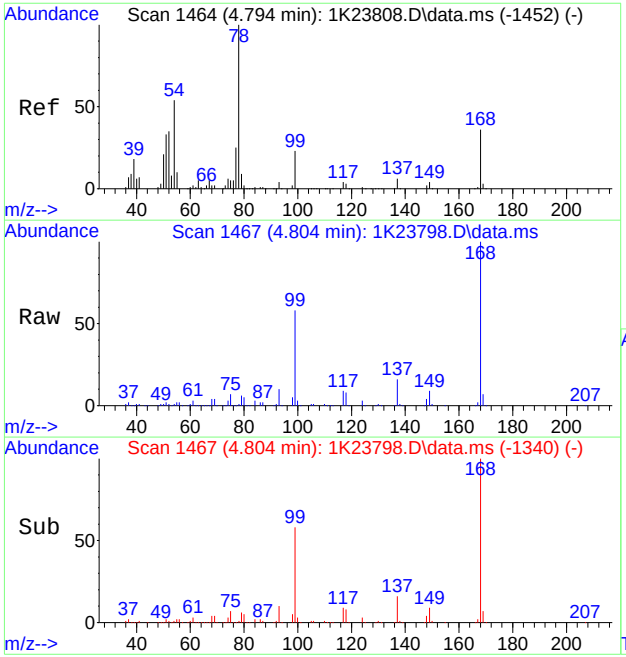


#36
cis-1,2-dichloroethene
Concen: 0.87 ug/L
RT: 4.232 min Scan# 1289
Delta R.T. 0.000 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion: 96 Resp: 4926

Ion	Ratio	Lower	Upper
96	100		
61	124.1	114.3	174.3
98	76.5	30.5	90.5

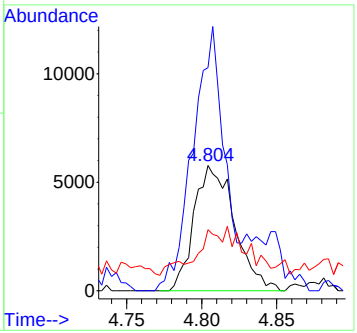


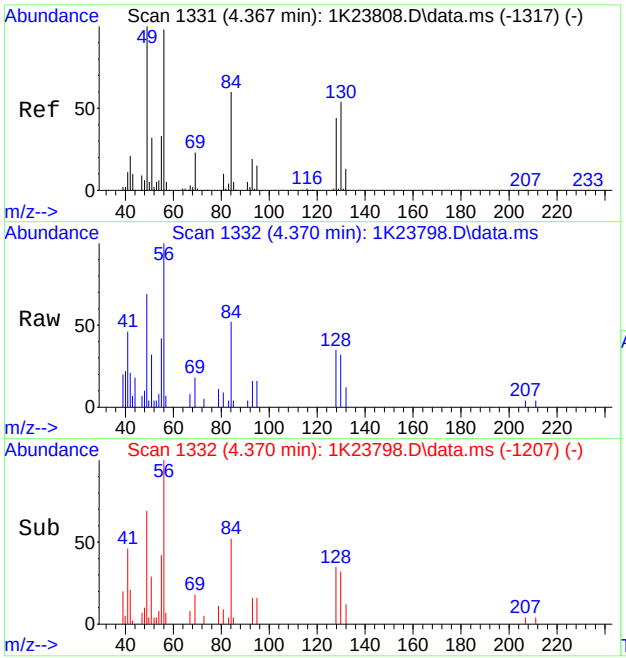


#37
propionitrile
Concen: 8.67 ug/L m
RT: 4.804 min Scan# 1467
Delta R.T. 0.010 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion: 54 Resp: 10861

Ion	Ratio	Lower	Upper
54	100		
55	177.9	0.0	50.4#
40	48.8	0.0	41.8#

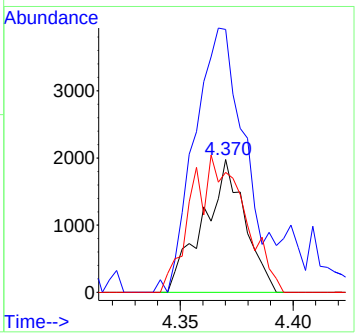


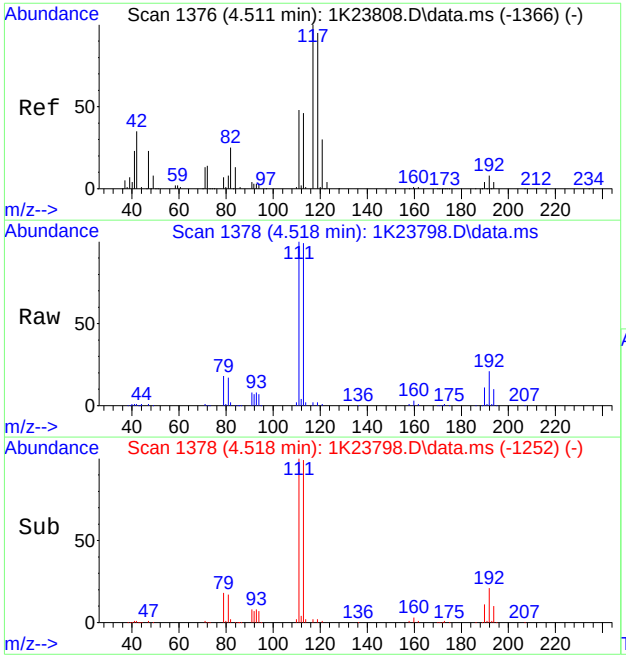


#39
bromochloromethane
Concen: 1.01 ug/L
RT: 4.370 min Scan# 1332
Delta R.T. 0.003 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion:128 Resp: 2542

Ion	Ratio	Lower	Upper
128	100		
49	188.1	195.5	255.5#
130	90.3	92.1	152.1#

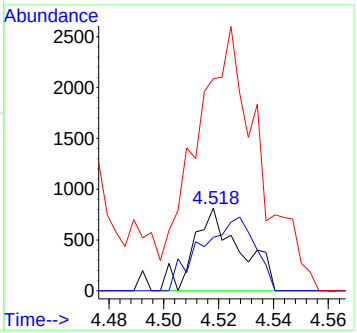


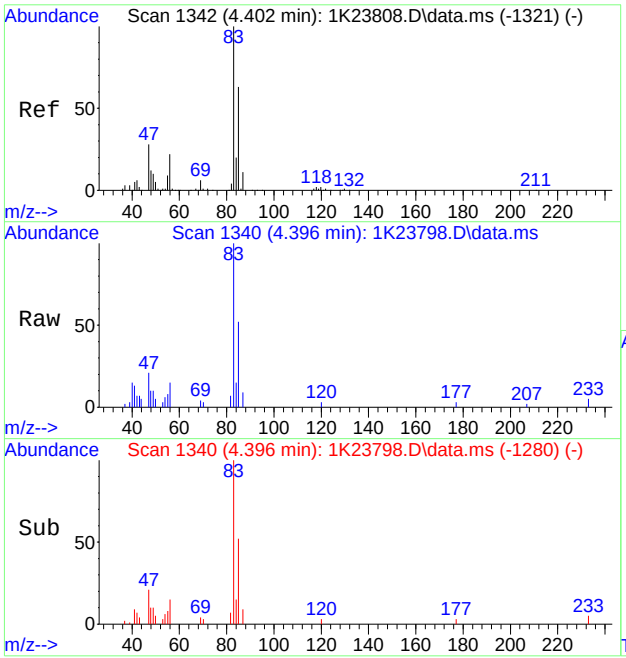


#40
tetrahydrofuran
Concen: 1.05 ug/L
RT: 4.518 min Scan# 1378
Delta R.T. 0.007 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion: 71 Resp: 957

Ion	Ratio	Lower	Upper
71	100		
72	64.9	76.4	136.4#
42	251.4	297.7	357.7#

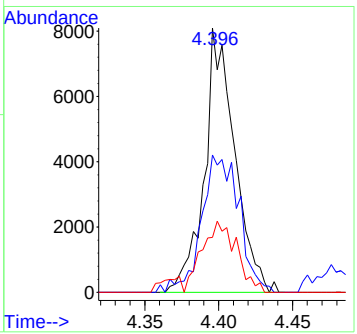


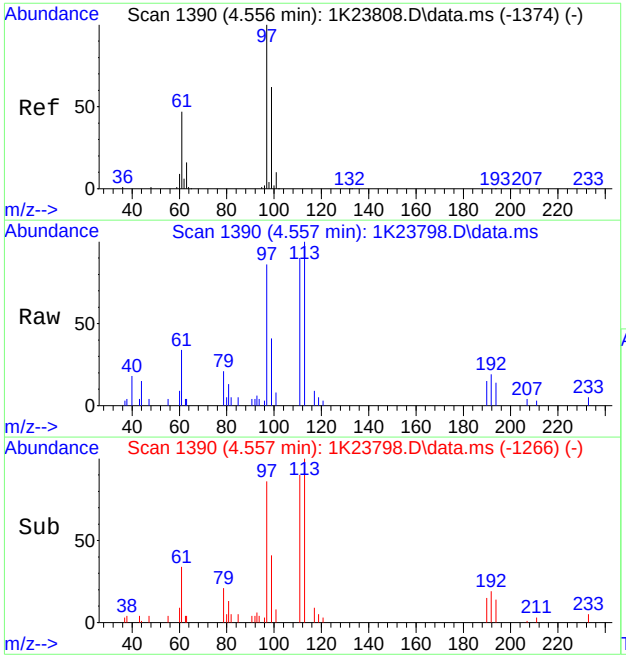


#41
chloroform
Concen: 1.16 ug/L
RT: 4.396 min Scan# 1340
Delta R.T. -0.006 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion: 83 Resp: 11554

Ion	Ratio	Lower	Upper
83	100		
85	52.0	33.4	93.4
47	20.8	0.0	58.3

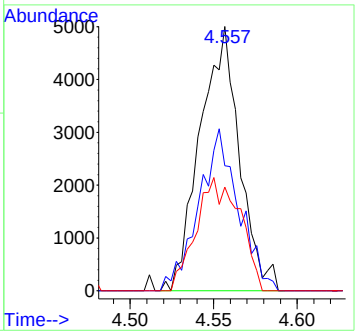


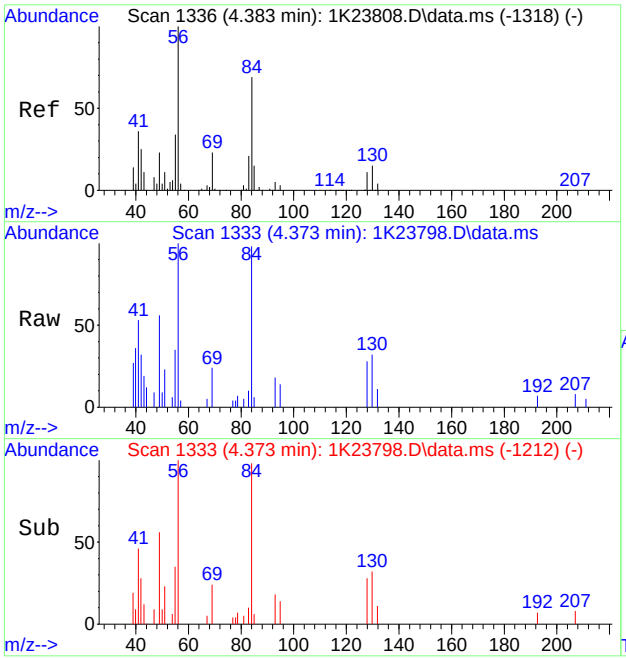


#44
1,1,1-trichloroethane
Concen: 0.92 ug/L
RT: 4.557 min Scan# 1390
Delta R.T. 0.000 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion: 97 Resp: 8228

Ion	Ratio	Lower	Upper
97	100		
99	47.2	32.1	92.1
61	39.3	16.3	76.3

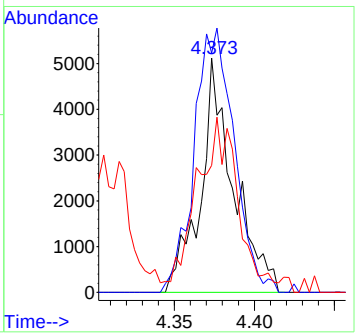


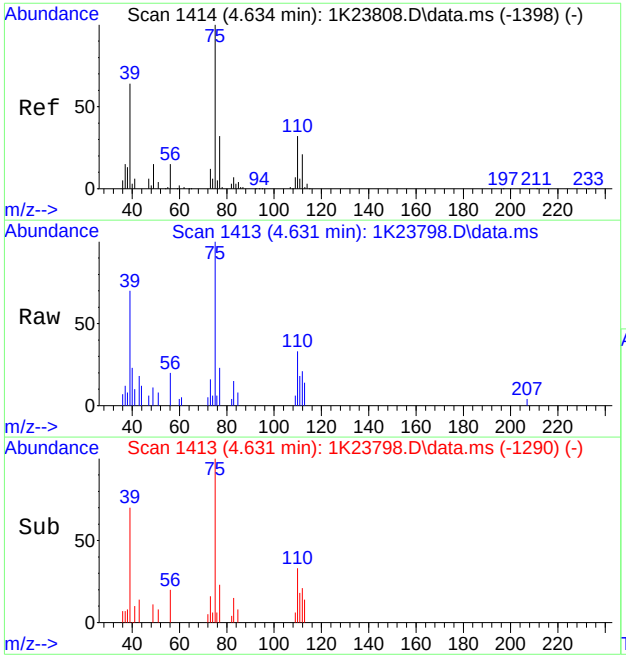


#45
cyclohexane
Concen: 0.98 ug/L
RT: 4.373 min Scan# 1333
Delta R.T. -0.010 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion: 84 Resp: 7292

Ion	Ratio	Lower	Upper
84	100		
56	102.2	124.1	164.1#
41	50.2	58.3	98.3#

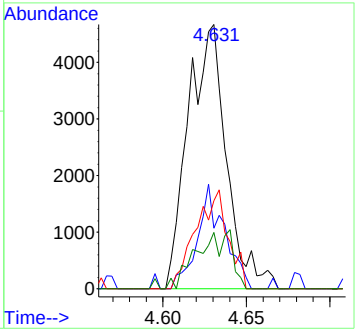


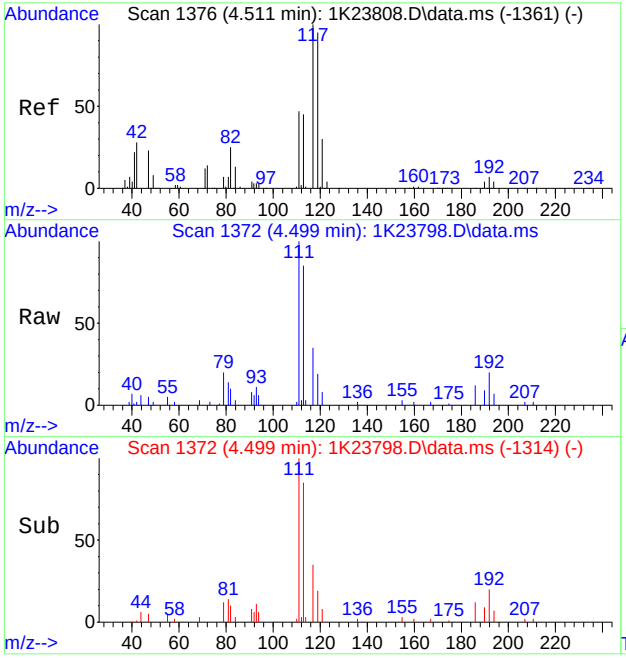


#46
1,1-dichloropropene
Concen: 0.94 ug/L
RT: 4.631 min Scan# 1413
Delta R.T. -0.003 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion: 75 Resp: 7459

Ion	Ratio	Lower	Upper
75	100		
77	22.9	12.0	52.0
110	33.3	12.3	52.3
112	21.4	0.8	40.8

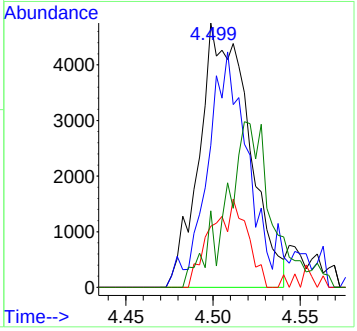


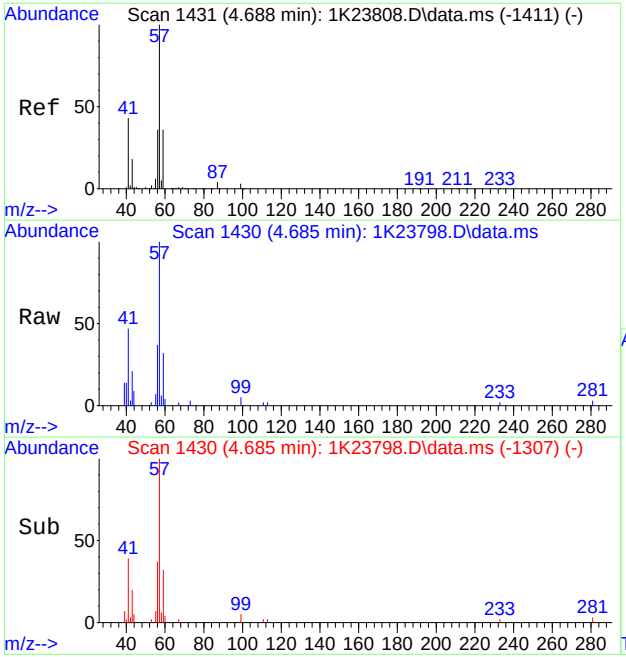


#47
carbon tetrachloride
Concen: 1.16 ug/L
RT: 4.499 min Scan# 1372
Delta R.T. -0.013 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion:117 Resp: 9319

Ion	Ratio	Lower	Upper
117	100		
119	53.8	74.6	114.6#
121	23.1	9.9	49.9
82	28.9	5.1	45.1

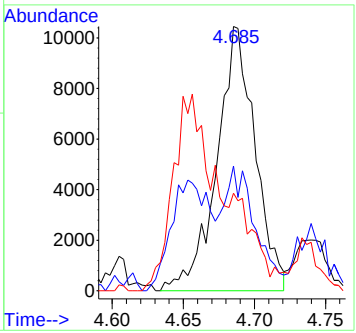


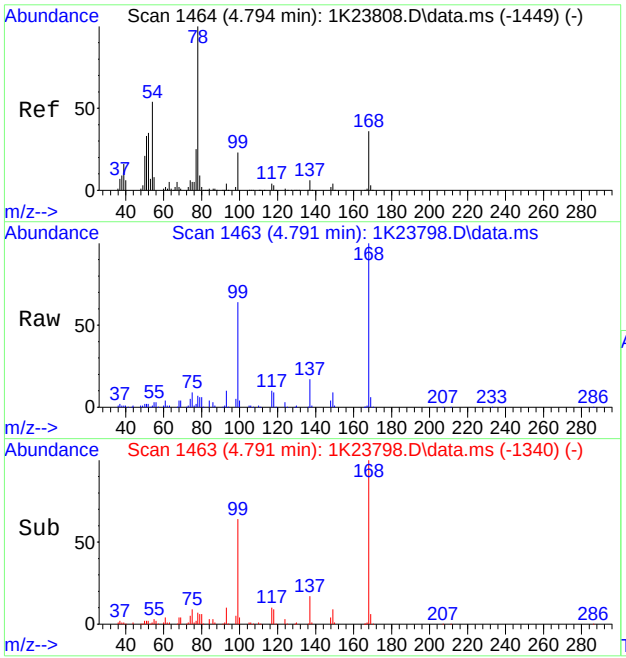


#52
iso-octane
Concen: 0.92 ug/L
RT: 4.685 min Scan# 1430
Delta R.T. -0.003 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion: 57 Resp: 19600

Ion	Ratio	Lower	Upper
57	100		
41	41.3	22.7	62.7
56	29.8	16.1	56.1

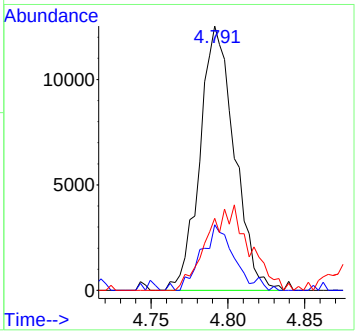


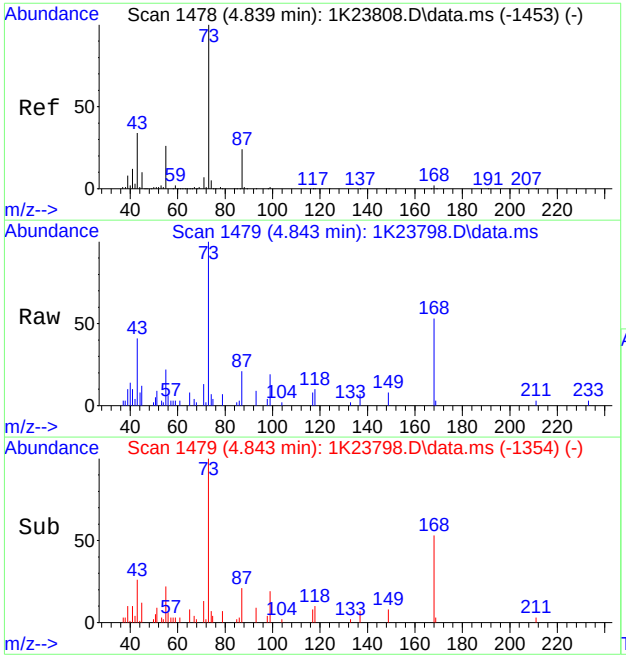


#53
benzene
Concen: 0.91 ug/L
RT: 4.791 min Scan# 1463
Delta R.T. -0.003 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion: 78 Resp: 19646

Ion	Ratio	Lower	Upper
78	100		
77	24.8	0.0	54.5
52	27.3	5.0	65.0

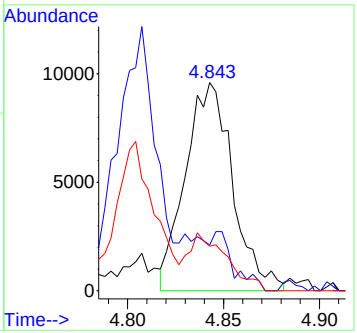


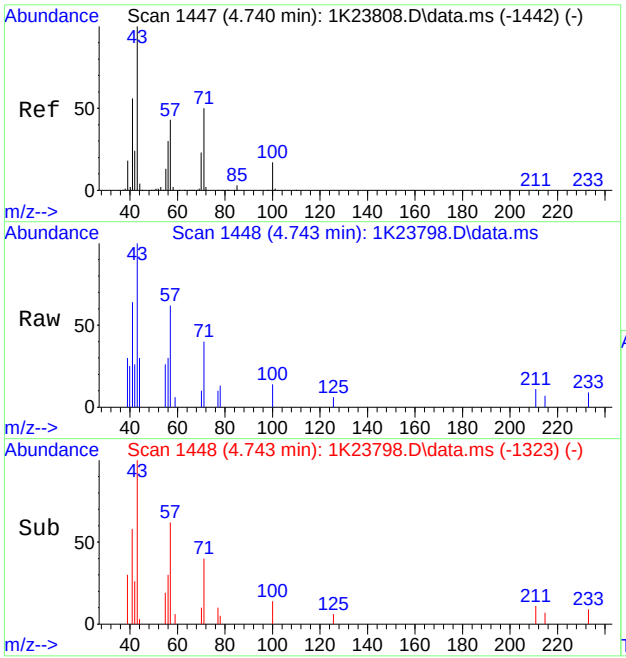


#54
tert-amyl methyl ether
Concen: 0.91 ug/L
RT: 4.843 min Scan# 1479
Delta R.T. 0.003 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion: 73 Resp: 16478

Ion	Ratio	Lower	Upper
73	100		
55	18.5	7.0	47.0
87	22.2	4.4	44.4

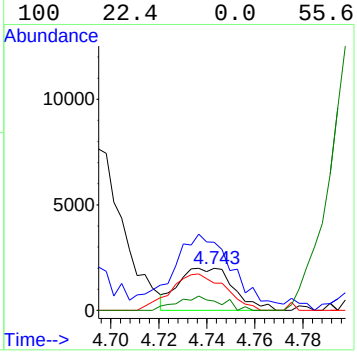


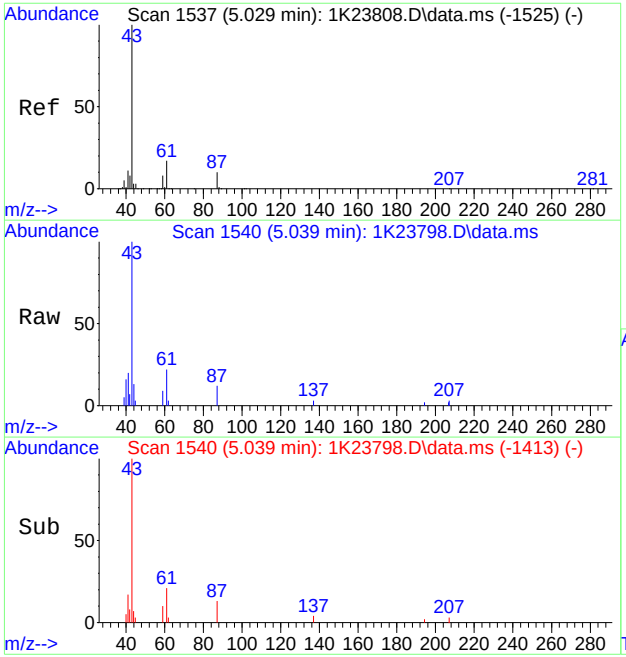


#55
heptane
Concen: 1.06 ug/L
RT: 4.743 min Scan# 1448
Delta R.T. 0.003 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion: 57 Resp: 3210

Ion	Ratio	Lower	Upper
57	100		
43	147.0	165.6	225.6#
71	64.6	61.2	121.2
100	22.4	0.0	55.6

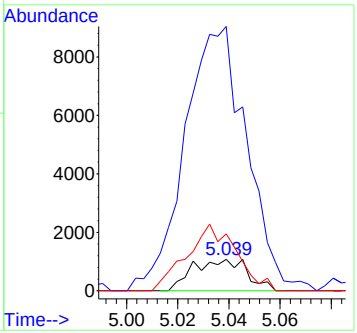


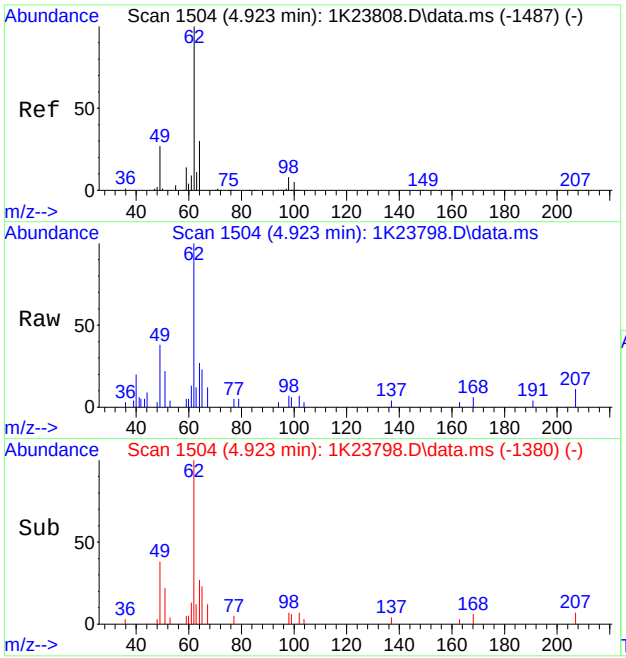


#56
isopropyl acetate
Concen: 0.98 ug/L
RT: 5.039 min Scan# 1540
Delta R.T. 0.010 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion: 87 Resp: 1579

Ion	Ratio	Lower	Upper
87	100		
43	808.8	998.2	1058.2#
61	180.7	147.0	207.0

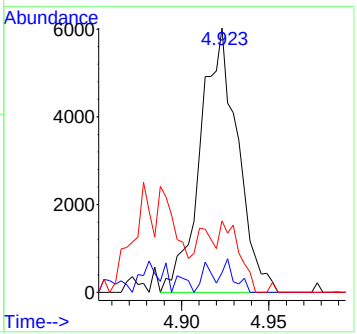


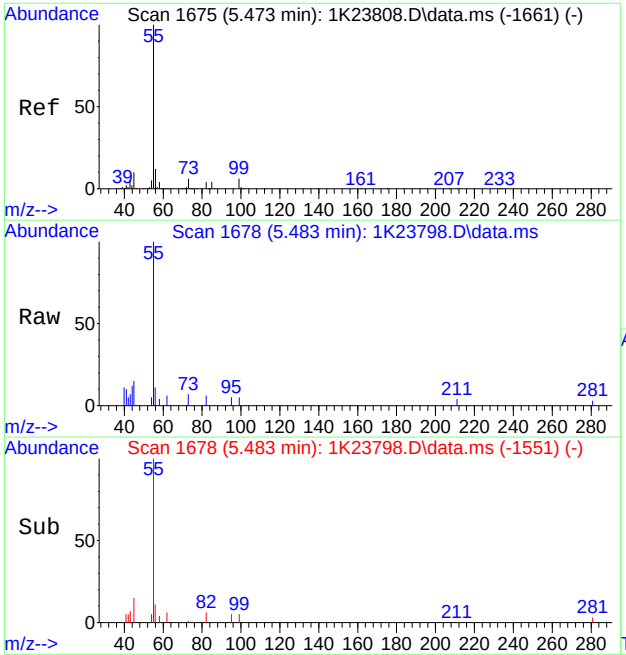


#57
1,2-dichloroethane
Concen: 1.02 ug/L
RT: 4.923 min Scan# 1504
Delta R.T. 0.000 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion: 62 Resp: 8962

Ion	Ratio	Lower	Upper
62	100		
98	7.4	0.0	38.3
64	27.0	0.4	60.4

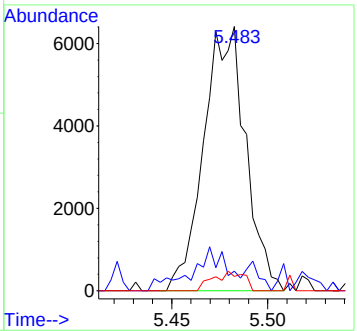


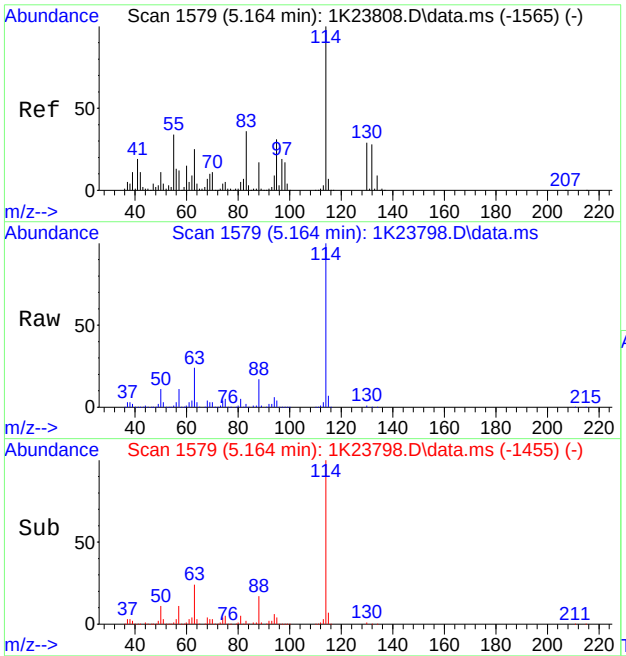


#59
ethyl acrylate
Concen: 0.93 ug/L
RT: 5.483 min Scan# 1678
Delta R.T. 0.010 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion: 55 Resp: 9723

Ion	Ratio	Lower	Upper
55	100		
73	4.2	0.0	35.8
99	5.5	0.0	35.9

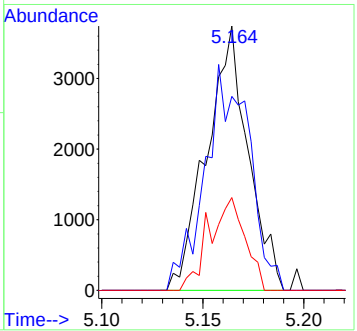


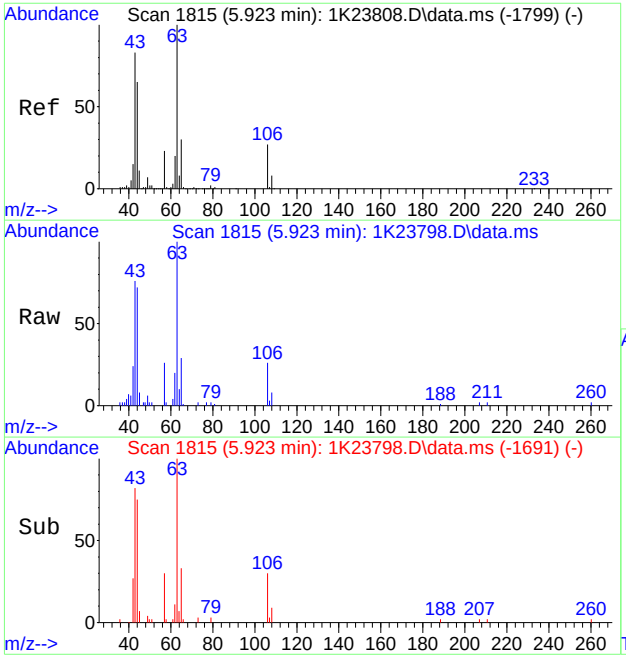


#60
trichloroethene
Concen: 1.06 ug/L
RT: 5.164 min Scan# 1579
Delta R.T. 0.000 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion:130 Resp: 5335

Ion	Ratio	Lower	Upper
130	100		
132	73.3	66.4	126.4
134	35.1	0.0	59.6

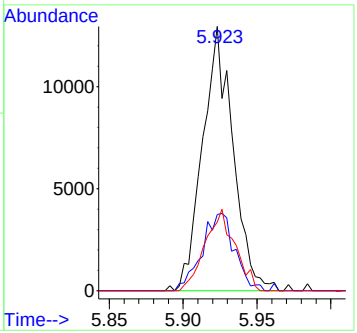


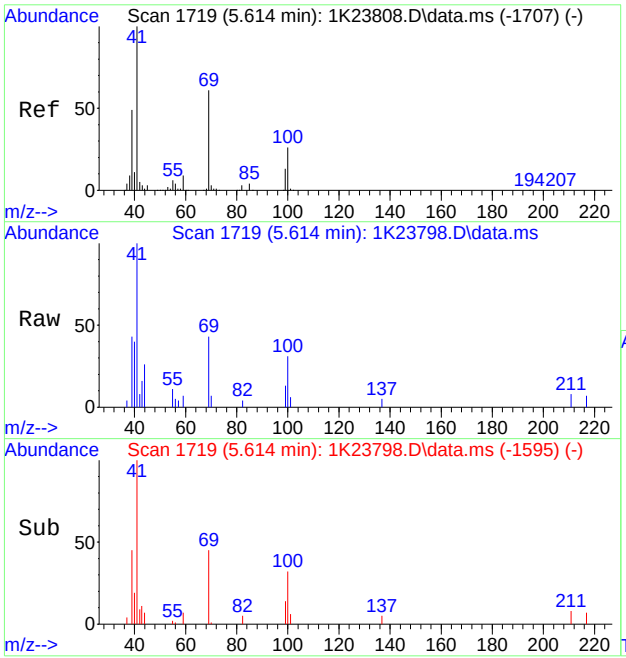


#62
2-chloroethyl vinyl ether
Concen: 4.78 ug/L
RT: 5.923 min Scan# 1815
Delta R.T. 0.000 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion: 63 Resp: 18543

Ion	Ratio	Lower	Upper
63	100		
65	28.8	0.4	60.4
106	26.0	0.0	57.4

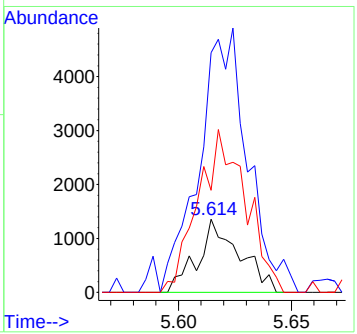


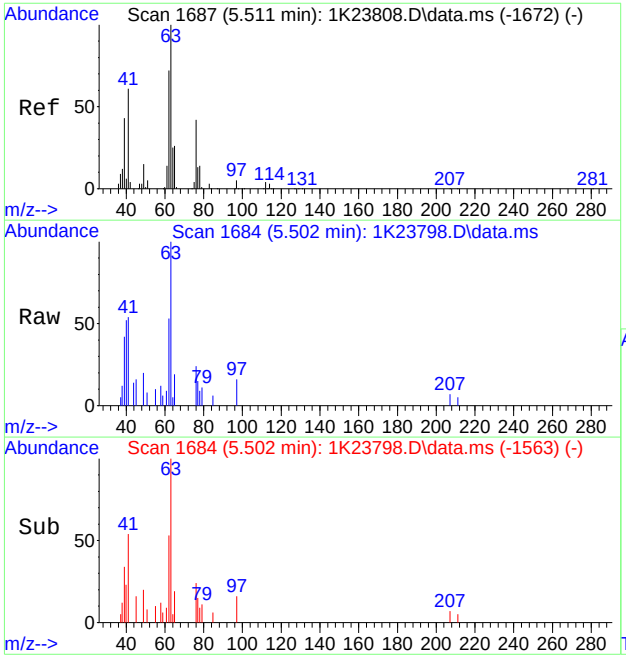


#63
methyl methacrylate
Concen: 0.93 ug/L
RT: 5.614 min Scan# 1719
Delta R.T. 0.000 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion:100 Resp: 1741

Ion	Ratio	Lower	Upper
100	100		
41	326.8	352.7	412.7#
69	139.2	201.8	261.8#

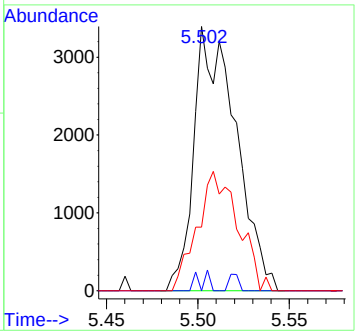


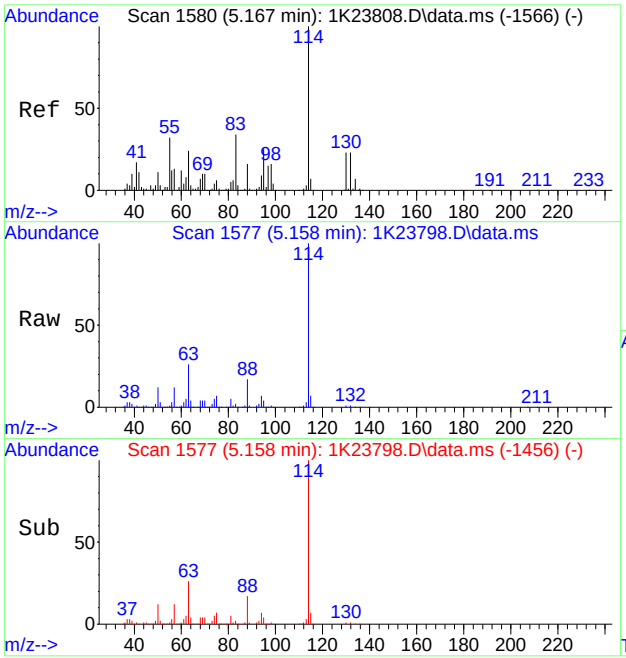


#64
1,2-dichloropropane
Concen: 0.91 ug/L
RT: 5.502 min Scan# 1684
Delta R.T. -0.010 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion: 63 Resp: 5418

Ion	Ratio	Lower	Upper
63	100		
112	0.0	0.0	34.3
76	24.1	11.5	71.5

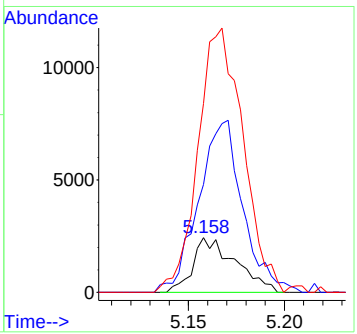


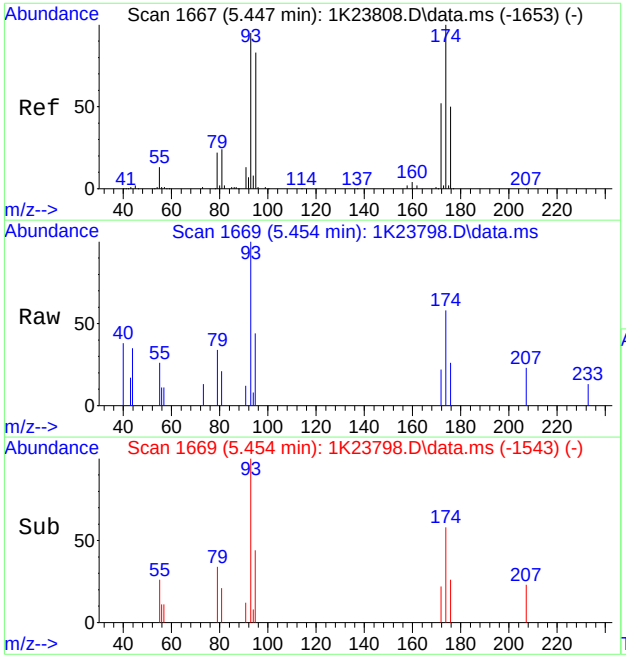


#65
methylcyclohexane
Concen: 0.94 ug/L
RT: 5.158 min Scan# 1577
Delta R.T. -0.010 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion: 98 Resp: 3755

Ion	Ratio	Lower	Upper
98	100		
55	179.3	162.4	222.4
83	345.3	177.4	237.4#

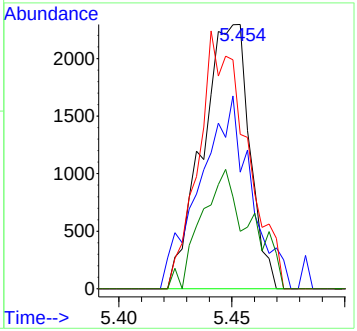


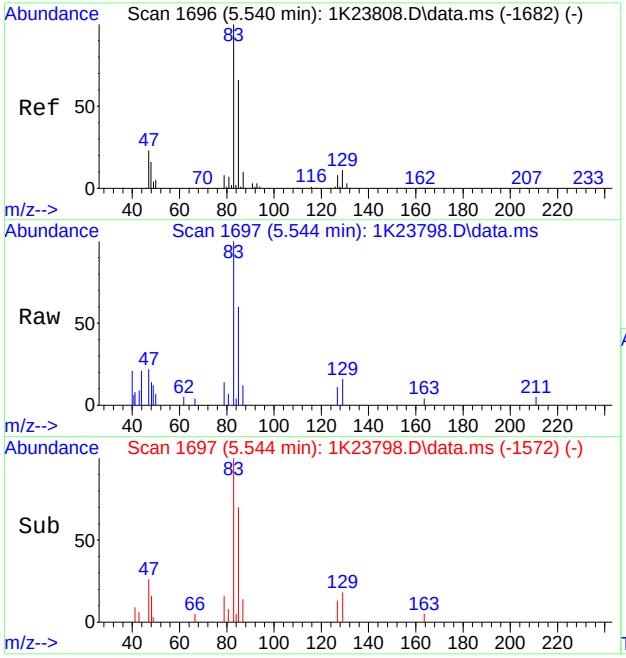


#66
dibromomethane
Concen: 1.05 ug/L
RT: 5.454 min Scan# 1669
Delta R.T. 0.007 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion: 93 Resp: 3338

Ion	Ratio	Lower	Upper
93	100		
95	44.1	57.5	117.5#
174	58.4	75.1	135.1#
172	21.8	34.2	74.2#

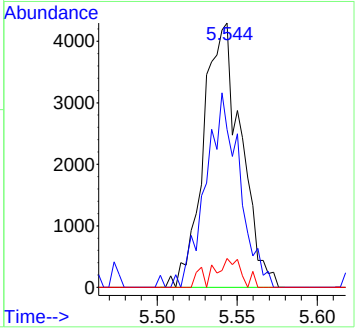


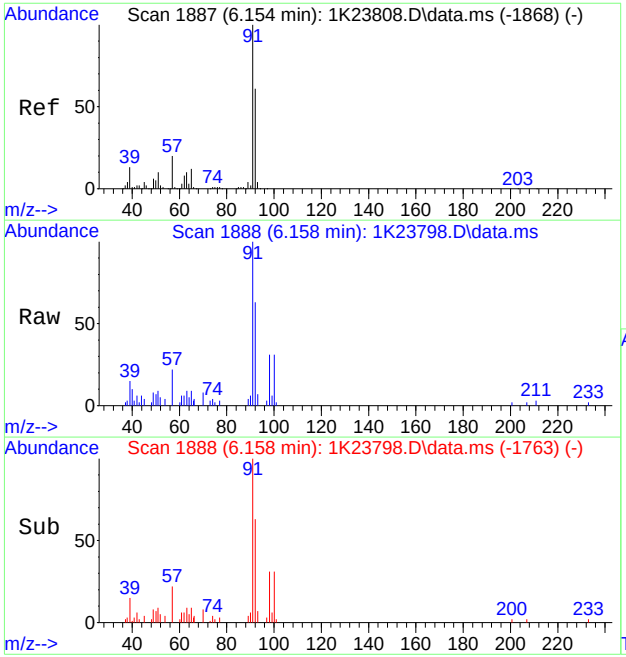


#67
bromodichloromethane
Concen: 1.00 ug/L
RT: 5.544 min Scan# 1697
Delta R.T. 0.003 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion: 83 Resp: 7017

Ion	Ratio	Lower	Upper
83	100		
85	59.7	35.5	95.5
127	10.9	0.0	37.9

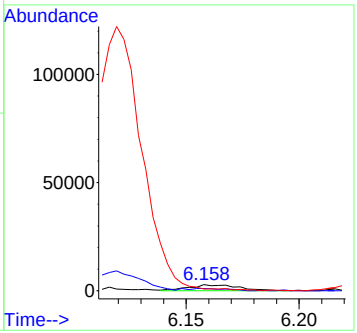


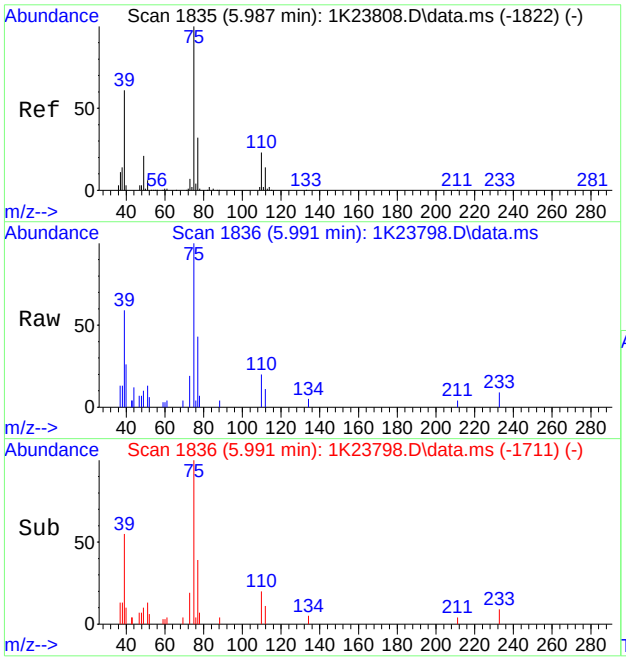


#68
epichlorohydrin
Concen: 4.93 ug/L
RT: 6.158 min Scan# 1888
Delta R.T. 0.003 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion: 57 Resp: 4295

Ion	Ratio	Lower	Upper
57	100		
49	23.1	8.2	48.2
42	19.5	0.0	27.5

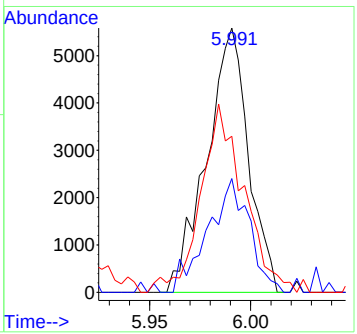


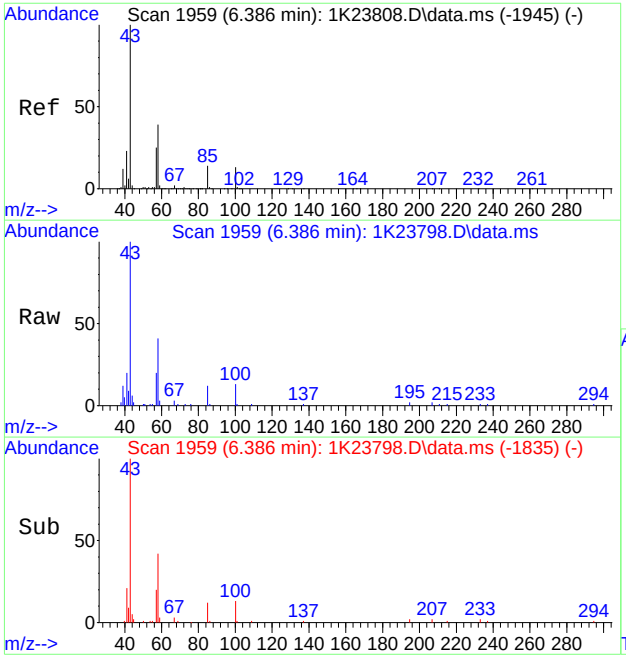


#69
cis-1,3-dichloropropene
Concen: 0.92 ug/L
RT: 5.991 min Scan# 1836
Delta R.T. 0.003 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion: 75 Resp: 8030

Ion	Ratio	Lower	Upper
75	100		
77	43.0	2.2	62.2
39	55.3	31.6	91.6

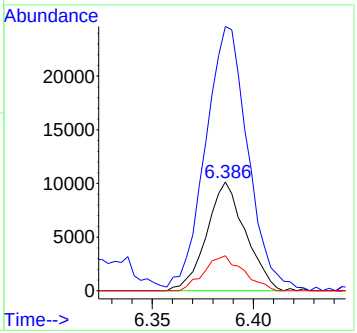


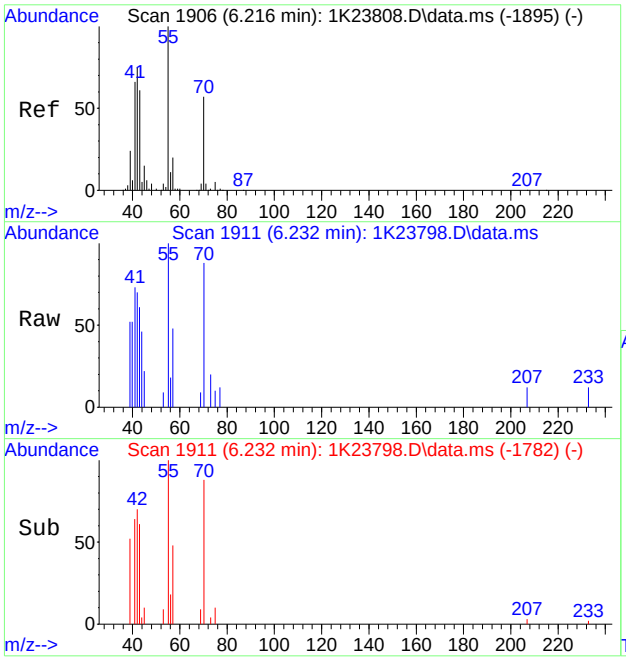


#70
4-methyl-2-pentanone
Concen: 4.05 ug/L
RT: 6.386 min Scan# 1959
Delta R.T. 0.000 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion: 58 Resp: 13521

Ion	Ratio	Lower	Upper
58	100		
43	238.0	235.3	295.3
100	32.4	2.2	62.2

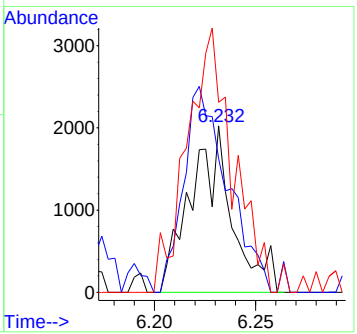


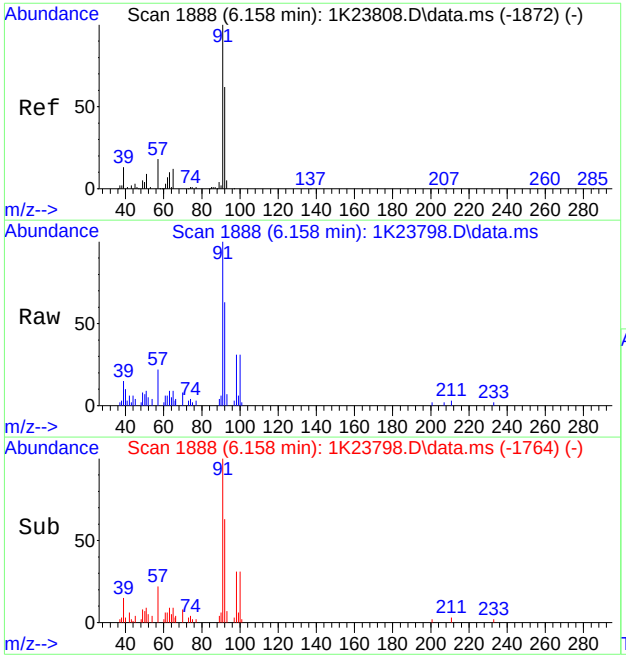


#71
3-methyl-1-butanol
Concen: 18.01 ug/L
RT: 6.232 min Scan# 1911
Delta R.T. 0.016 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion: 70 Resp: 2905

Ion	Ratio	Lower	Upper
70	100		
42	80.2	103.4	163.4#
55	96.8	146.9	206.9#

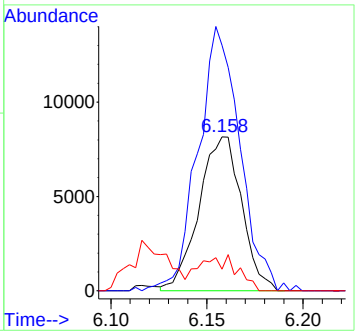


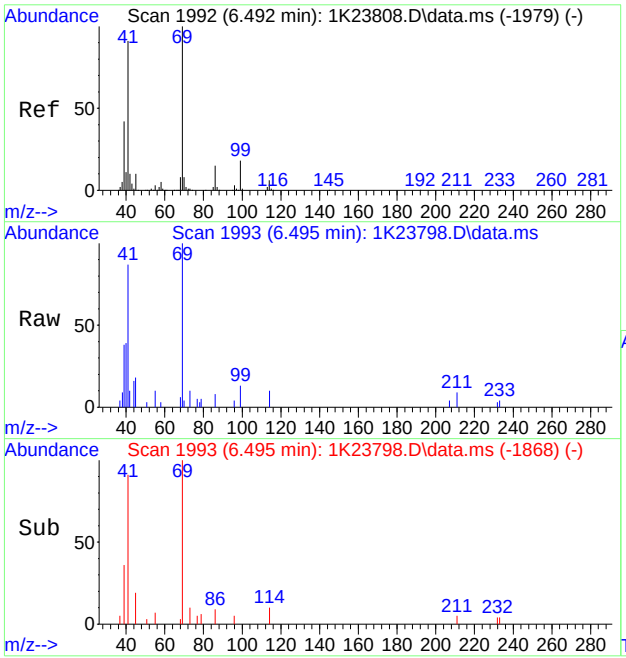


#74
toluene
Concen: 0.87 ug/L
RT: 6.158 min Scan# 1888
Delta R.T. 0.000 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion: 92 Resp: 12633

Ion	Ratio	Lower	Upper
92	100		
91	154.4	140.0	180.0
65	14.1	0.0	39.6

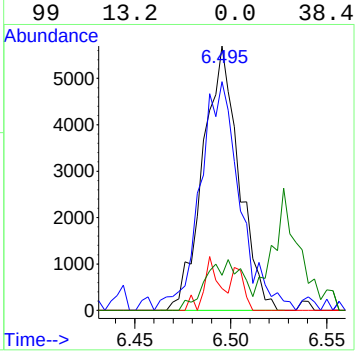


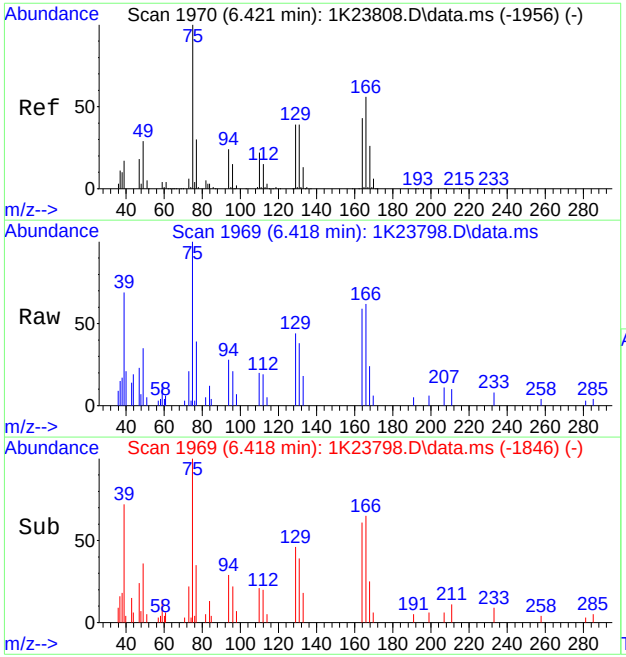


#75
ethyl methacrylate
Concen: 0.91 ug/L
RT: 6.495 min Scan# 1993
Delta R.T. 0.003 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion: 69 Resp: 7437

Ion	Ratio	Lower	Upper
69	100		
41	82.9	71.2	111.2
86	8.2	0.0	35.1
99	13.2	0.0	38.4

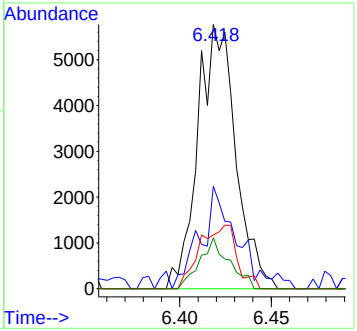


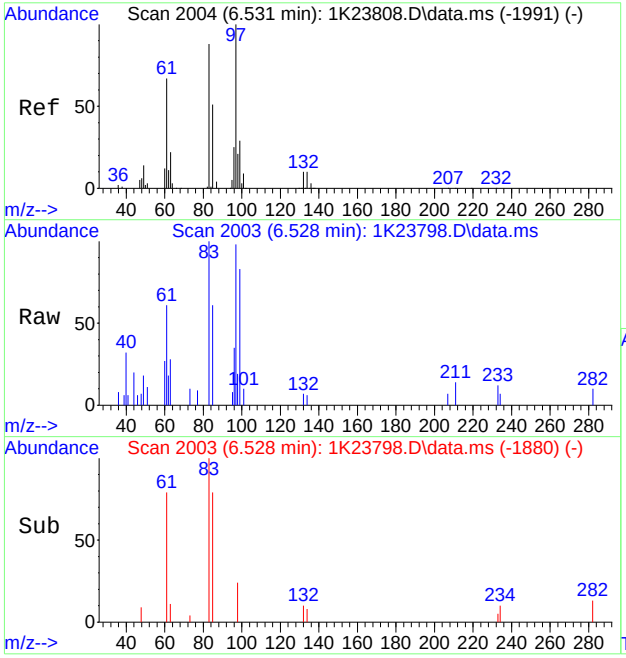


#76
trans-1,3-dichloropropene
Concen: 0.92 ug/L
RT: 6.418 min Scan# 1969
Delta R.T. -0.003 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion: 75 Resp: 8388

Ion	Ratio	Lower	Upper
75	100		
77	35.7	10.4	50.4
110	20.4	2.4	42.4
112	19.3	0.0	34.7

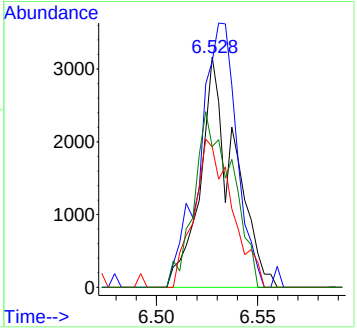


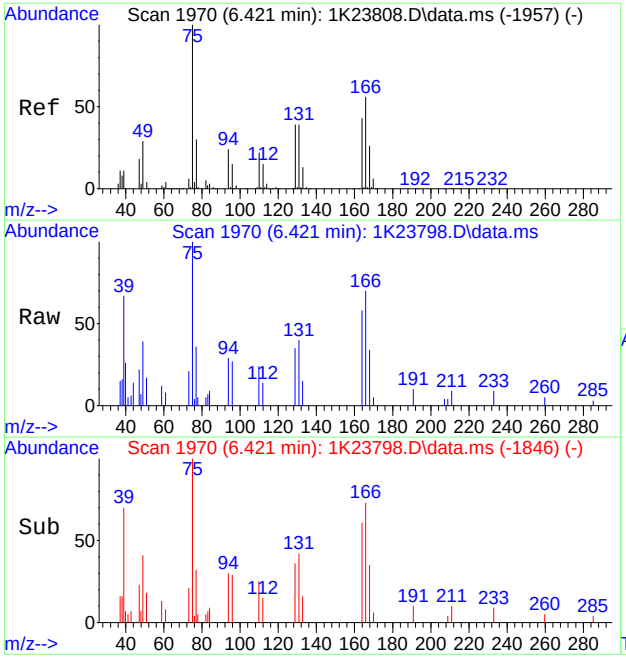


#77
1,1,2-trichloroethane
Concen: 0.98 ug/L
RT: 6.528 min Scan# 2003
Delta R.T. -0.003 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion: 83 Resp: 3708

Ion	Ratio	Lower	Upper
83	100		
97	98.0	94.4	134.4
85	61.0	41.5	81.5
61	61.1	56.0	96.0

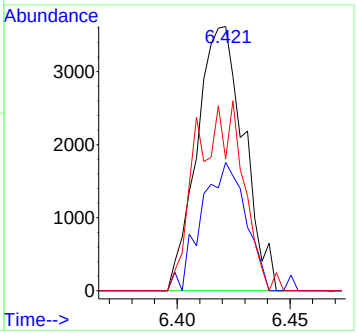


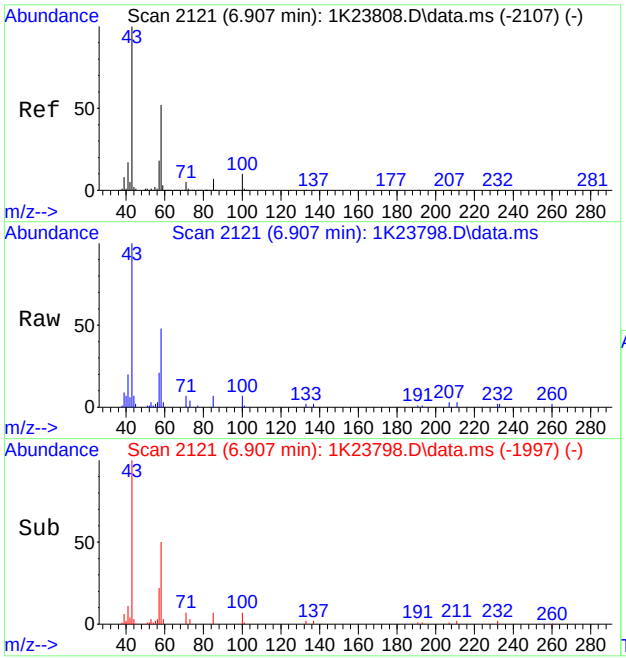


#78
tetrachloroethene
Concen: 0.97 ug/L
RT: 6.421 min Scan# 1970
Delta R.T. 0.000 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion:166 Resp: 5219

Ion	Ratio	Lower	Upper
166	100		
168	48.5	17.0	77.0
129	49.8	39.8	99.8

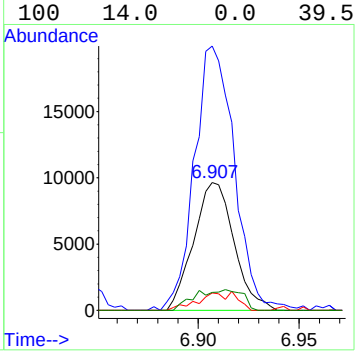


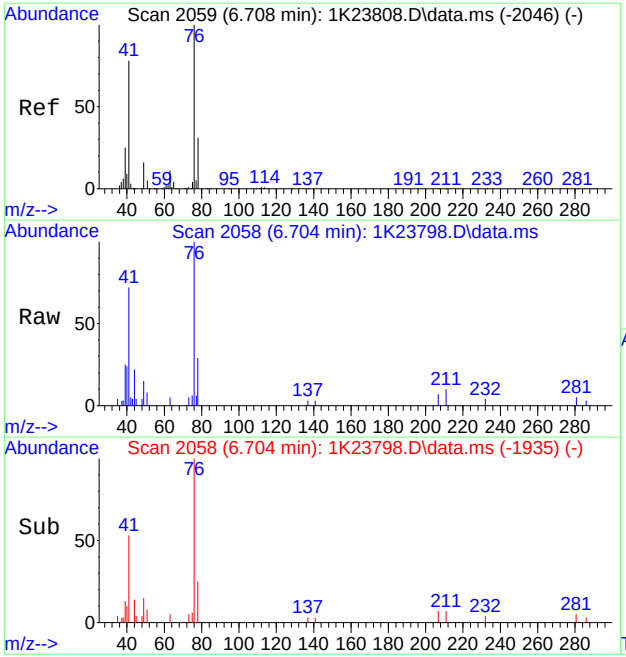


#79
2-hexanone
Concen: 3.61 ug/L
RT: 6.907 min Scan# 2121
Delta R.T. 0.000 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion: 58 Resp: 13378

Ion	Ratio	Lower	Upper
58	100		
43	206.7	172.5	212.5
85	13.6	0.0	32.5
100	14.0	0.0	39.5

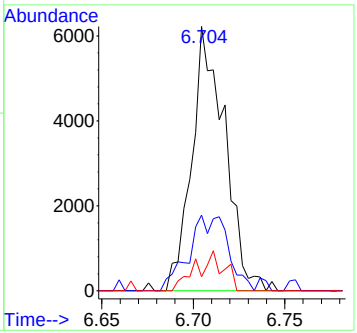


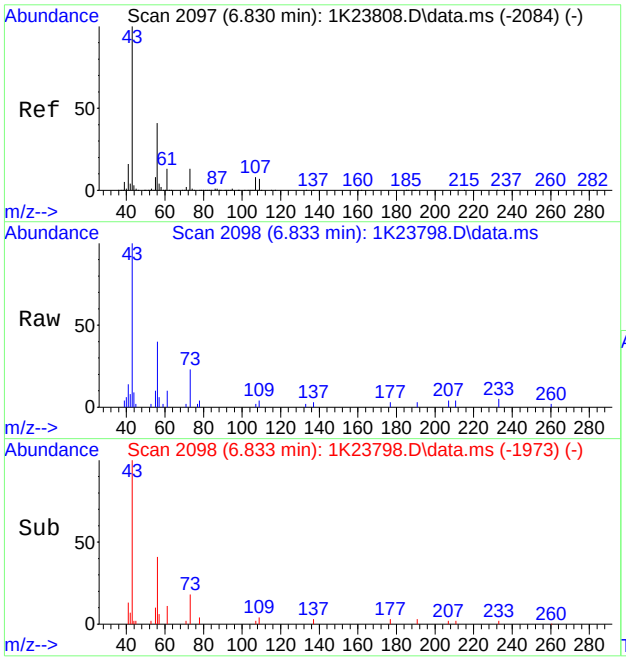


#80
1,3-dichloropropane
Concen: 0.91 ug/L
RT: 6.704 min Scan# 2058
Delta R.T. -0.003 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion: 76 Resp: 7818

Ion	Ratio	Lower	Upper
76	100		
78	28.7	0.6	60.6
63	5.3	0.0	41.5

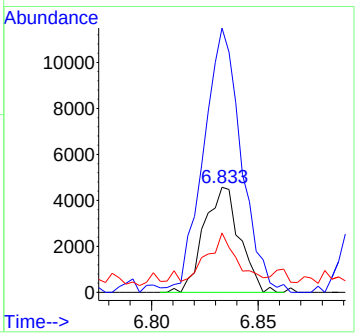


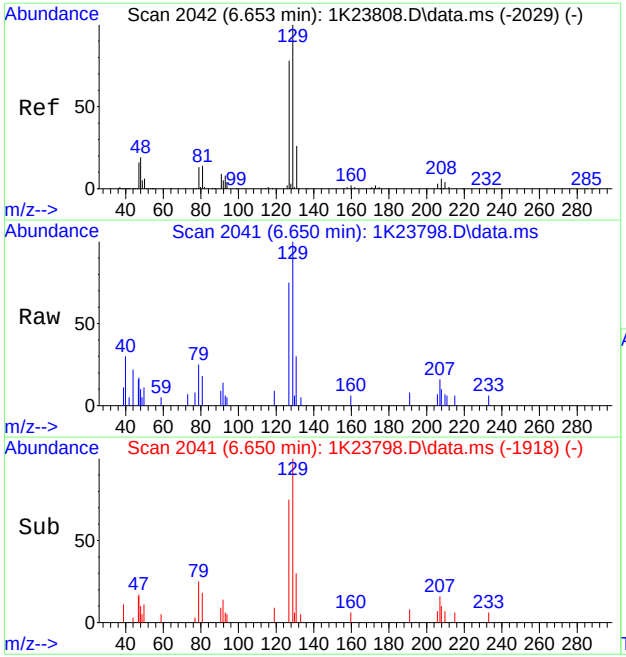


#81
butyl acetate
Concen: 0.84 ug/L
RT: 6.833 min Scan# 2098
Delta R.T. 0.003 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion: 56 Resp: 5310

Ion	Ratio	Lower	Upper
56	100		
43	247.2	215.3	275.3
73	46.1	2.2	62.2

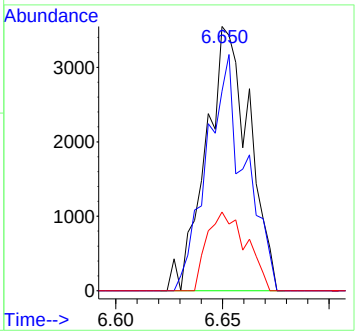


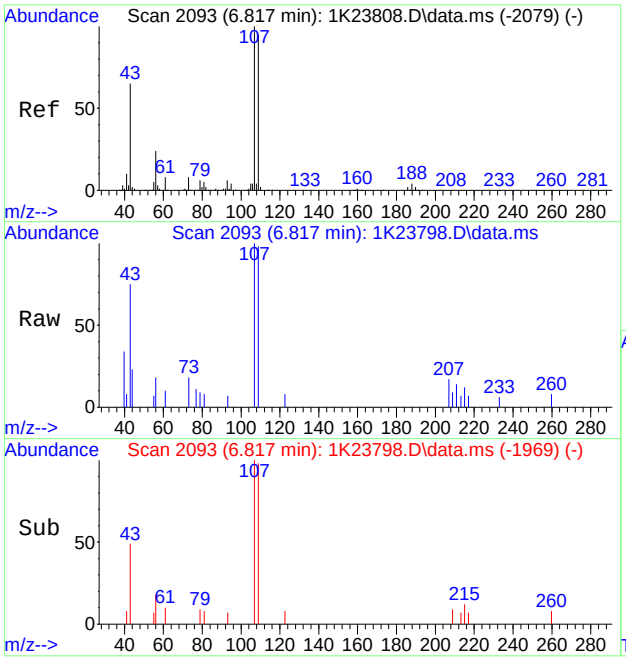


#82
dibromochloromethane
Concen: 0.88 ug/L
RT: 6.650 min Scan# 2041
Delta R.T. -0.003 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion:129 Resp: 4985

Ion	Ratio	Lower	Upper
129	100		
127	75.4	47.8	107.8
131	29.8	0.0	55.8

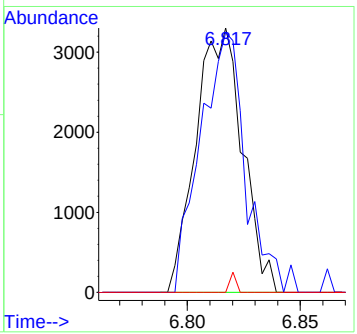


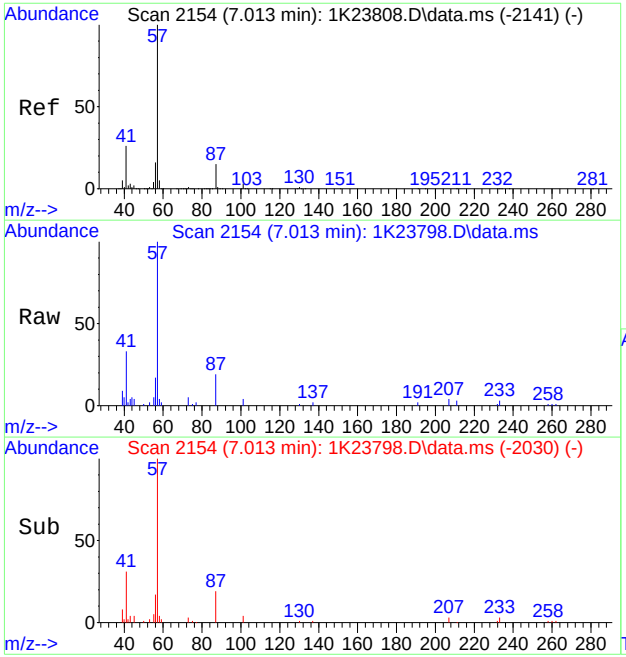


#83
1,2-dibromoethane
Concen: 1.00 ug/L
RT: 6.817 min Scan# 2093
Delta R.T. 0.000 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion:107 Resp: 4730

Ion	Ratio	Lower	Upper
107	100		
109	98.2	65.3	125.3
188	0.0	0.0	33.6

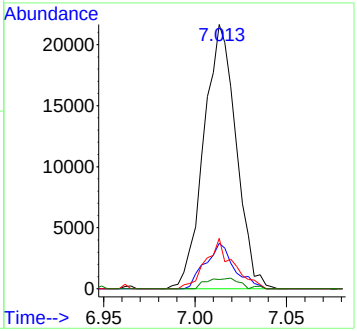


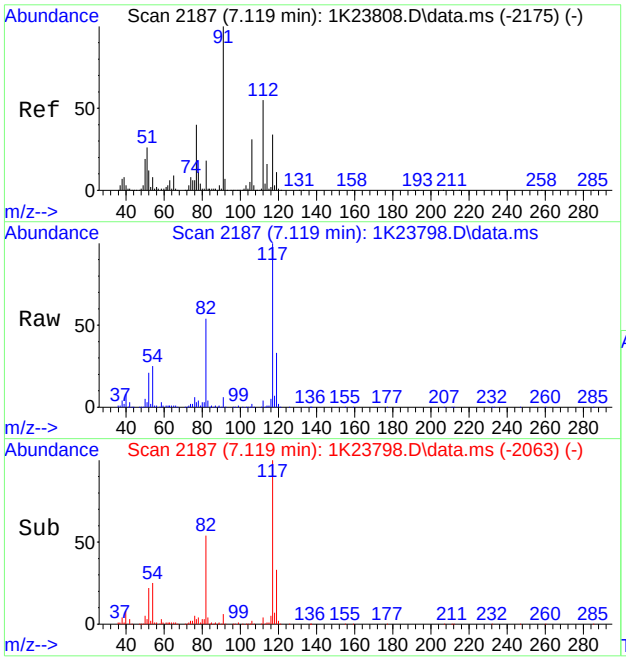


#84
n-butyl ether
Concen: 0.93 ug/L
RT: 7.013 min Scan# 2154
Delta R.T. 0.000 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion: 57 Resp: 26757

Ion	Ratio	Lower	Upper
57	100		
56	17.2	0.0	45.7
87	19.1	0.0	44.9
101	3.6	0.0	33.4

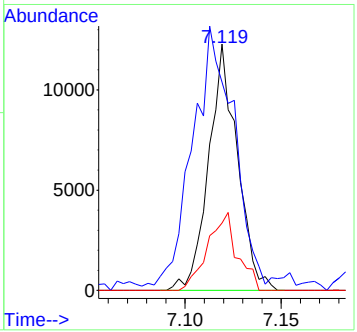


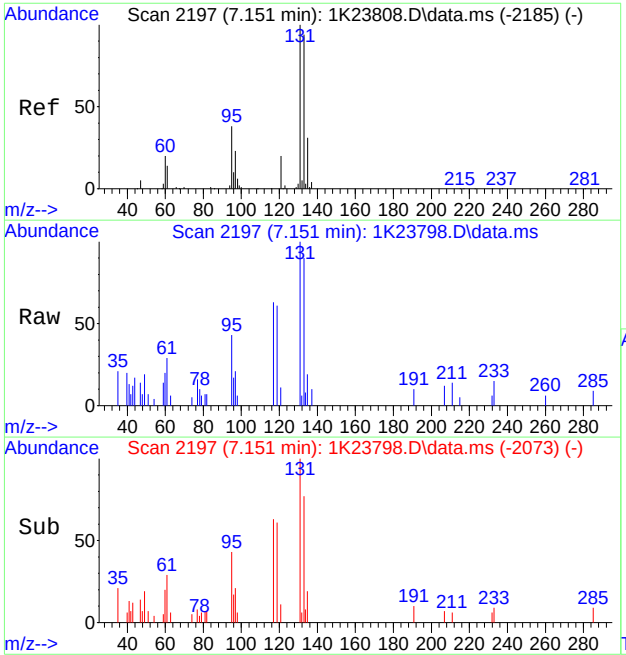


#85
chlorobenzene
Concen: 0.87 ug/L
RT: 7.119 min Scan# 2187
Delta R.T. 0.000 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion:112 Resp: 12767

Ion	Ratio	Lower	Upper
112	100		
77	79.4	43.7	103.7
114	27.3	0.0	59.8

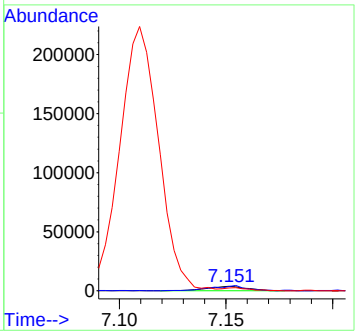


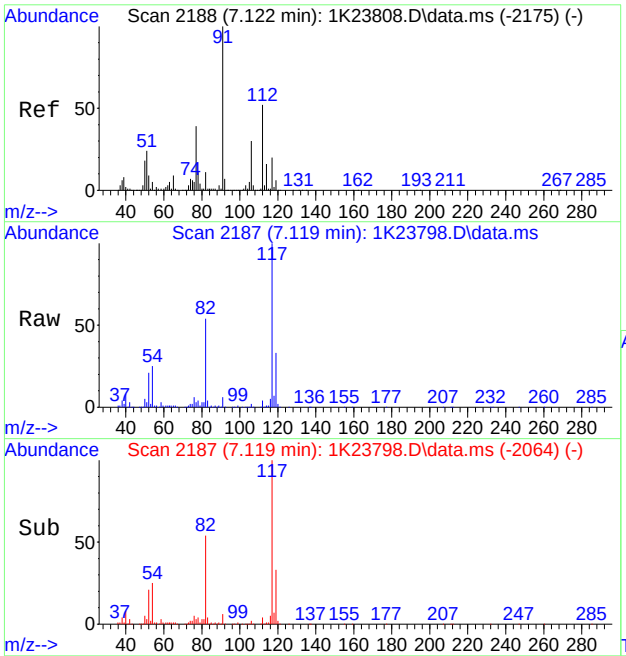


#86
1,1,1,2-tetrachloroethane
Concen: 0.89 ug/L
RT: 7.151 min Scan# 2197
Delta R.T. 0.000 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion:131 Resp: 4884

Ion	Ratio	Lower	Upper
131	100		
133	89.7	64.3	124.3
119	60.6	27.7	87.7

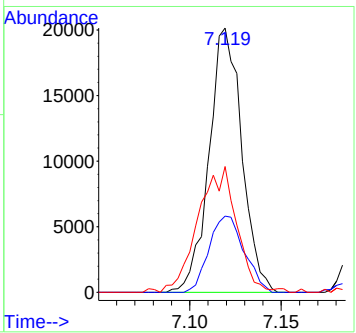


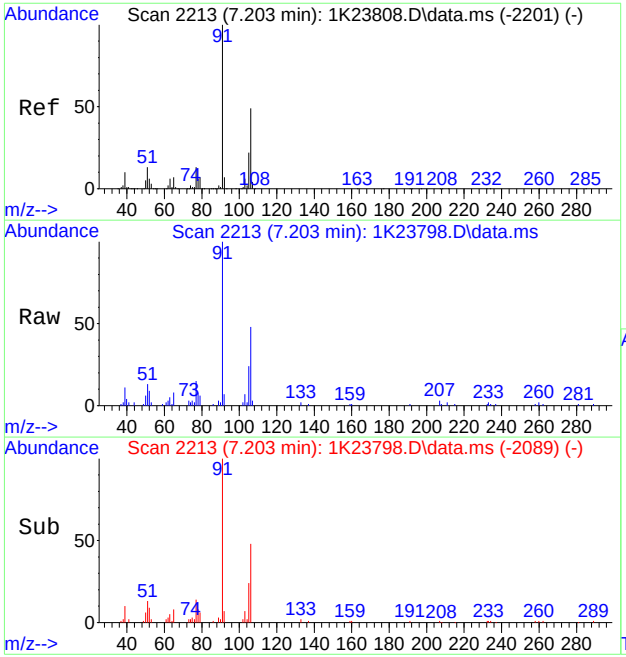


#87
ethylbenzene
Concen: 0.93 ug/L
RT: 7.119 min Scan# 2187
Delta R.T. -0.003 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion: 91 Resp: 25224

Ion	Ratio	Lower	Upper
91	100		
106	28.9	0.3	60.3
51	47.6	0.0	54.3

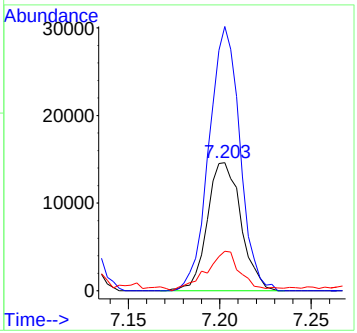


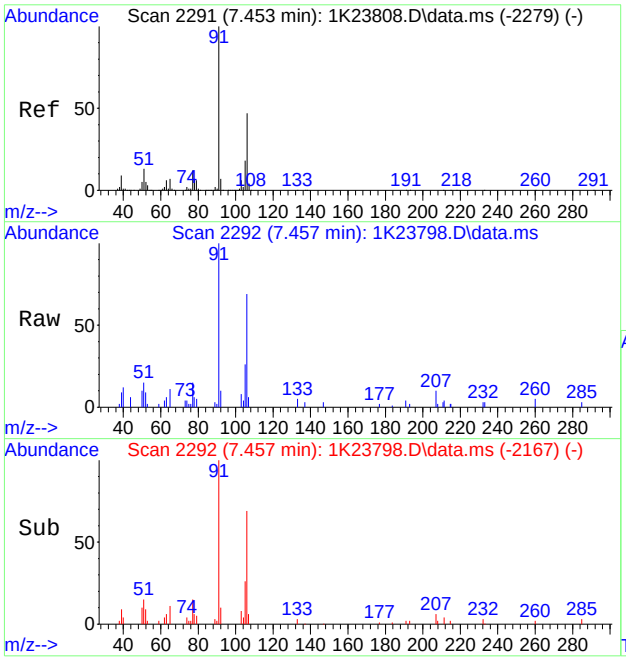


#88
m,p-xylene
Concen: 1.90 ug/L
RT: 7.203 min Scan# 2213
Delta R.T. 0.000 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion:106 Resp: 18801

Ion	Ratio	Lower	Upper
106	100		
91	206.5	176.0	236.0
77	28.9	5.9	45.9

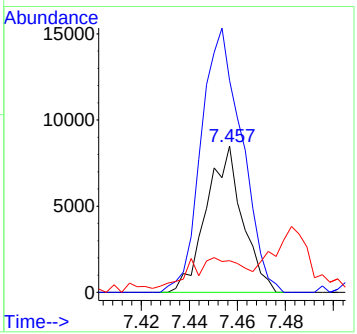


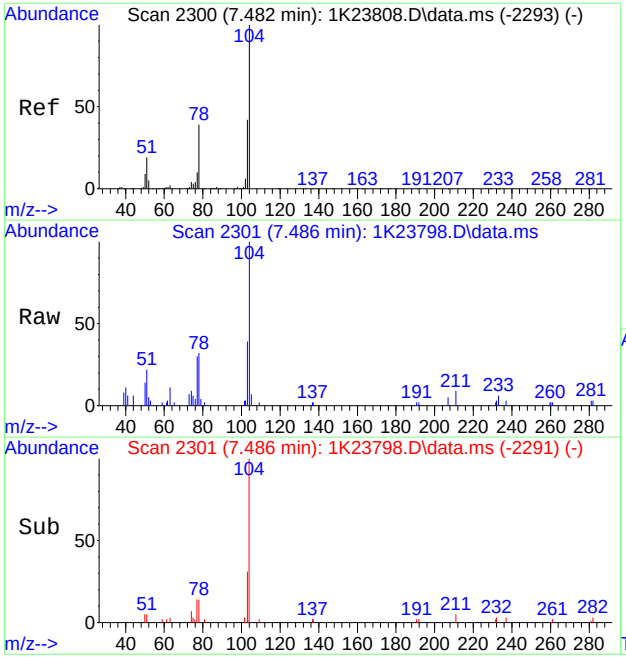


#89
o-xylene
Concen: 0.94 ug/L
RT: 7.457 min Scan# 2292
Delta R.T. 0.003 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion:106 Resp: 8892

Ion	Ratio	Lower	Upper
106	100		
91	144.7	183.9	243.9#
77	17.3	5.0	45.0

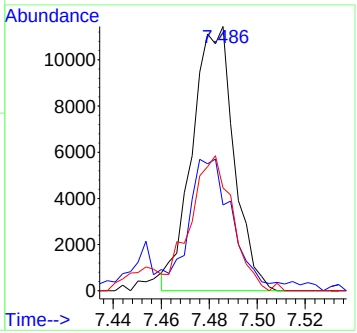


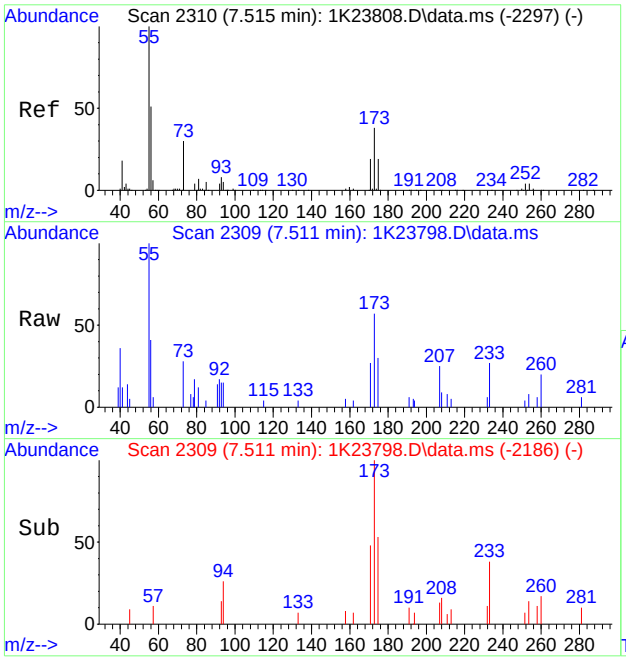


#90
styrene
Concen: 0.84 ug/L
RT: 7.486 min Scan# 2301
Delta R.T. 0.003 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion:104 Resp: 13815

Ion	Ratio	Lower	Upper
104	100		
78	29.9	13.8	73.8
103	38.9	16.3	76.3

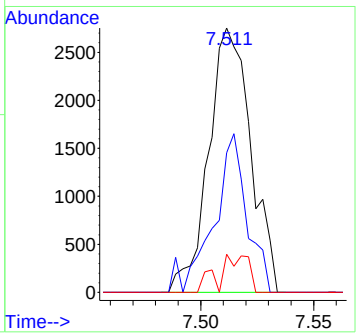


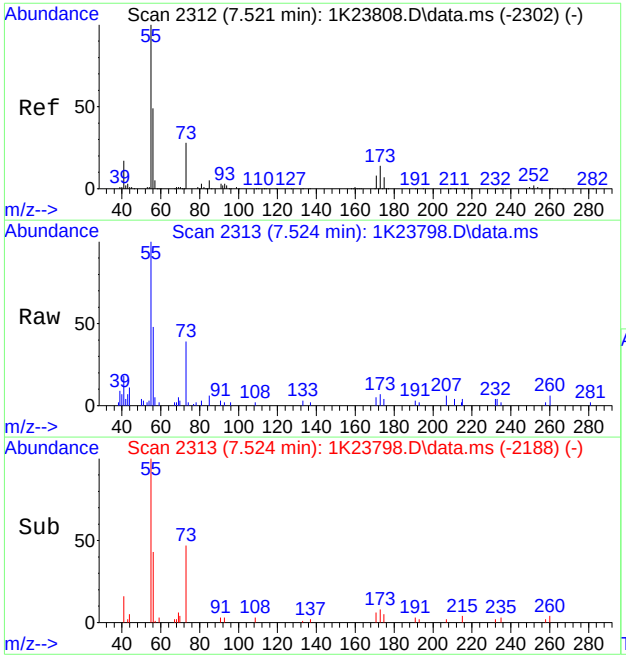


#91
bromoform
Concen: 0.93 ug/L
RT: 7.511 min Scan# 2309
Delta R.T. -0.003 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion:173 Resp: 3569

Ion	Ratio	Lower	Upper
173	100		
175	52.8	20.6	80.6
254	14.4	0.0	39.4

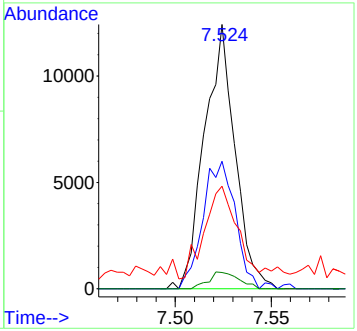


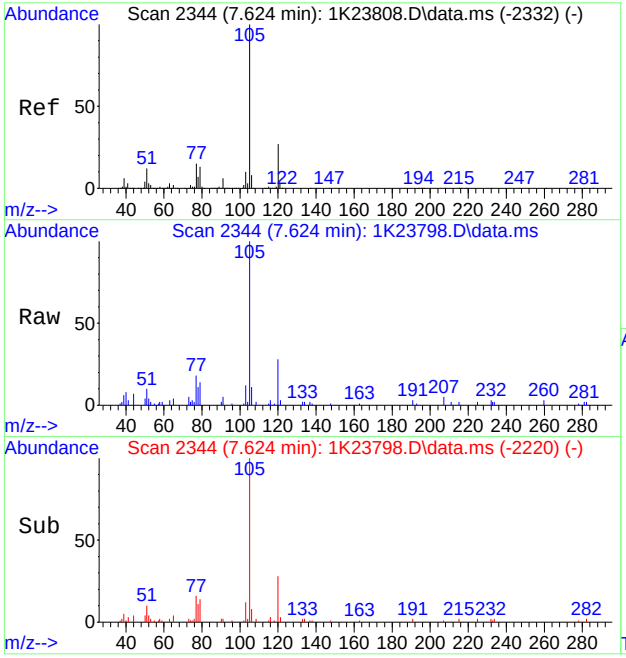


#92
butyl acrylate
Concen: 0.88 ug/L
RT: 7.524 min Scan# 2313
Delta R.T. 0.003 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion: 55 Resp: 13744

Ion	Ratio	Lower	Upper
55	100		
56	48.2	19.2	79.2
73	32.6	0.0	59.1
85	6.2	0.0	35.4

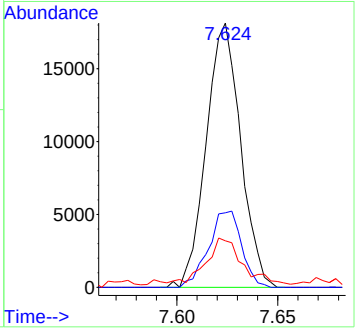


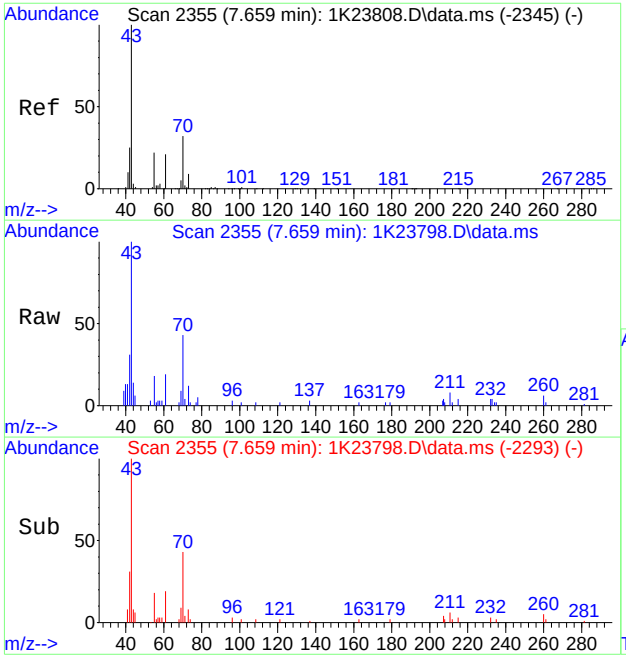


#93
isopropylbenzene
Concen: 0.92 ug/L
RT: 7.624 min Scan# 2344
Delta R.T. 0.000 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion:105 Resp: 21410

Ion	Ratio	Lower	Upper
105	100		
120	28.2	7.4	47.4
77	15.9	0.0	35.4

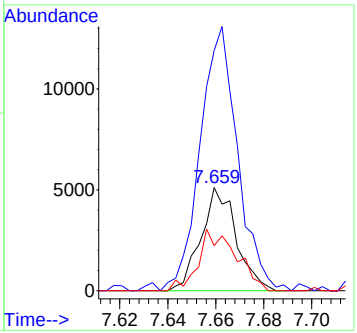


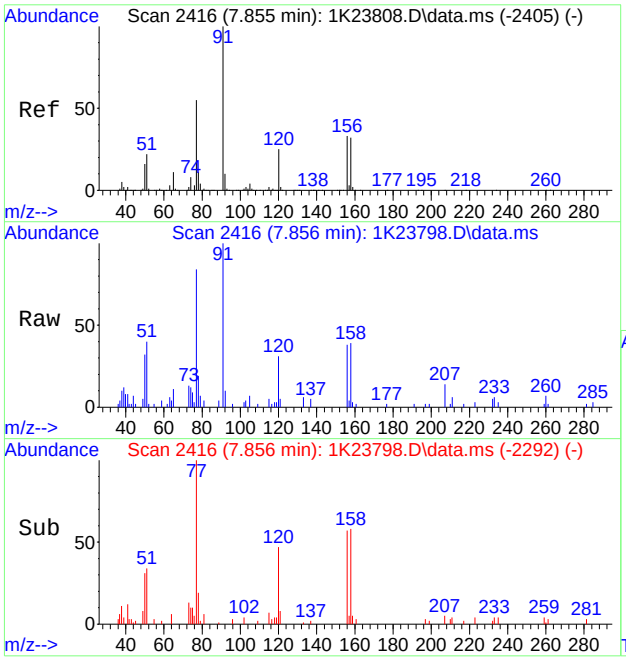


#94
n-amyl acetate
Concen: 1.08 ug/L
RT: 7.659 min Scan# 2355
Delta R.T. 0.000 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion: 70 Resp: 5206

Ion	Ratio	Lower	Upper
70	100		
43	232.7	293.9	333.9#
61	43.7	48.4	88.4#

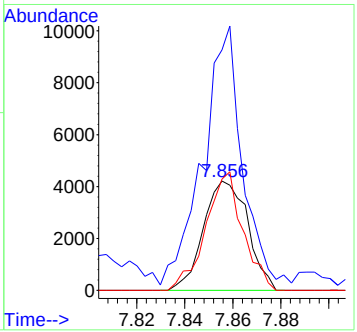


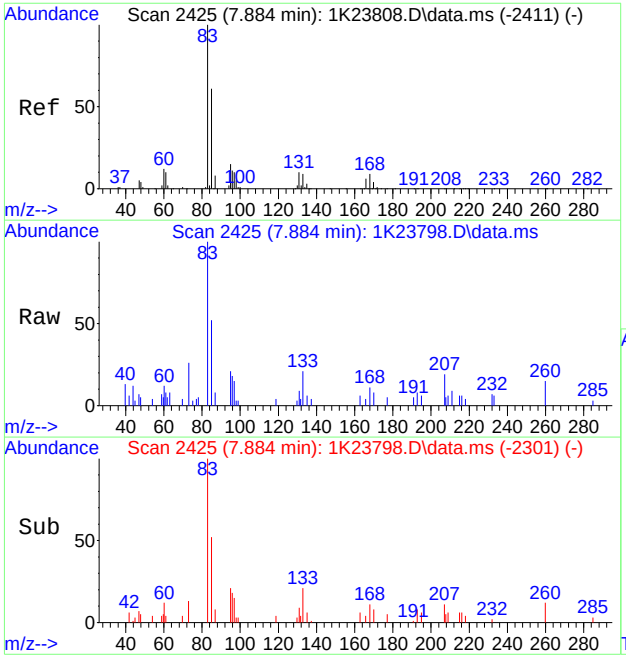


#98
bromobenzene
Concen: 0.93 ug/L
RT: 7.856 min Scan# 2416
Delta R.T. 0.000 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion:156 Resp: 5381

Ion	Ratio	Lower	Upper
156	100		
77	215.0	150.1	210.1#
158	101.9	66.6	126.6

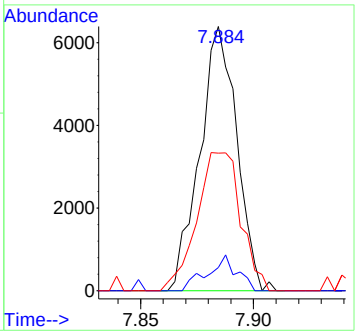


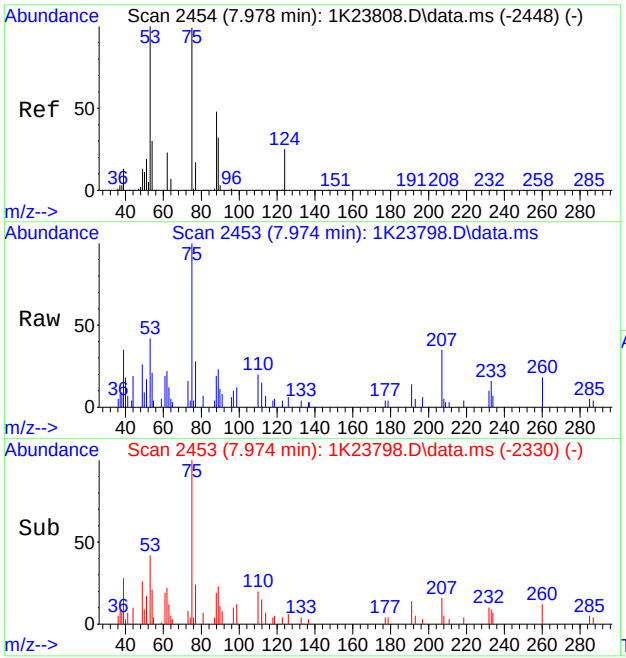


#99
1,1,2,2-tetrachloroethane
Concen: 1.00 ug/L
RT: 7.884 min Scan# 2425
Delta R.T. 0.000 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion: 83 Resp: 7287

Ion	Ratio	Lower	Upper
83	100		
131	8.8	0.0	40.0
85	52.1	31.1	91.1

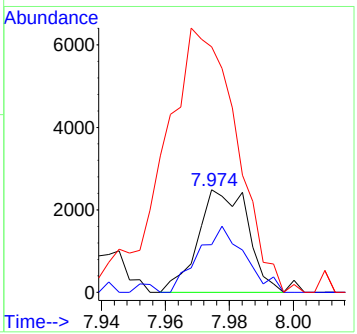


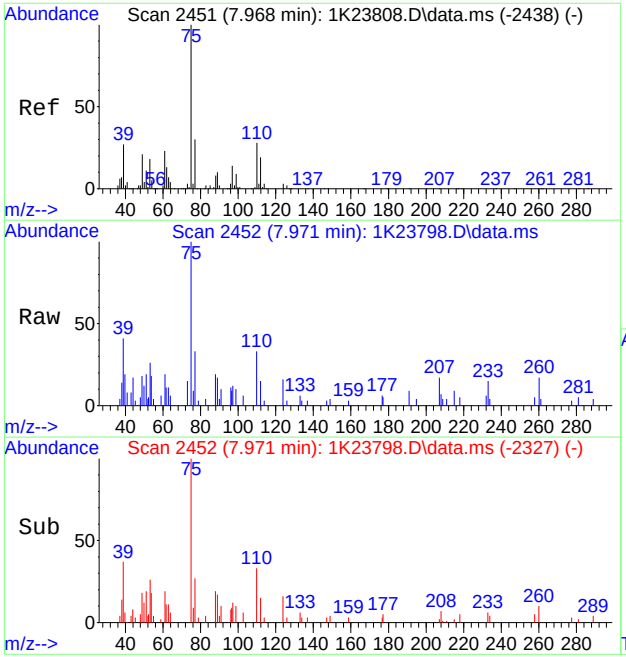


#100
trans-1,4-dichloro-2-butene
Concen: 0.86 ug/L
RT: 7.974 min Scan# 2453
Delta R.T. -0.003 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion: 53 Resp: 2712

Ion	Ratio	Lower	Upper
53	100		
88	46.6	17.1	77.1
75	239.6	162.2	222.2#

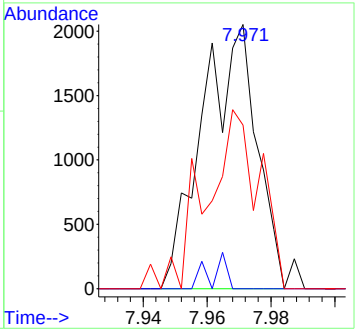


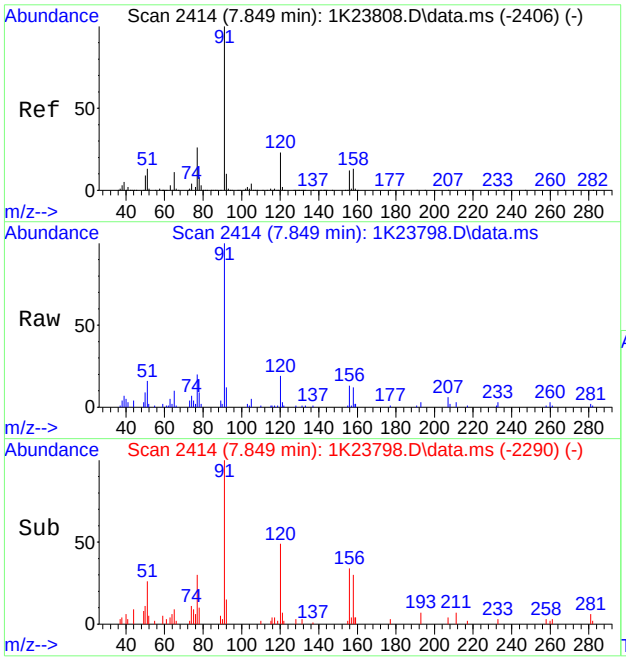


#101
1,2,3-trichloropropane
Concen: 1.05 ug/L m
RT: 7.971 min Scan# 2452
Delta R.T. 0.003 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion:110 Resp: 2437

Ion	Ratio	Lower	Upper
110	100		
111	0.0	0.0	39.1
97	34.7	20.8	80.8

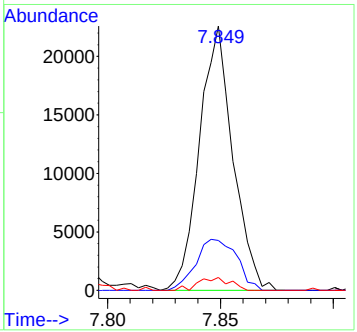


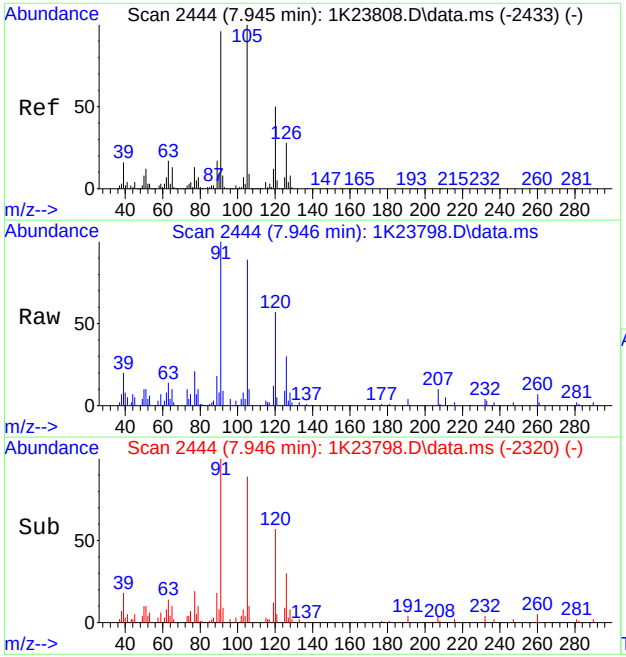


#102
n-propylbenzene
Concen: 0.86 ug/L
RT: 7.849 min Scan# 2414
Delta R.T. 0.000 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion: 91 Resp: 23199

Ion	Ratio	Lower	Upper
91	100		
120	18.9	0.0	52.5
105	4.9	0.0	33.5

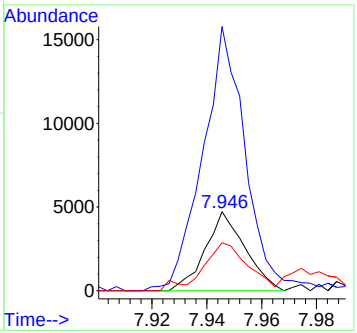


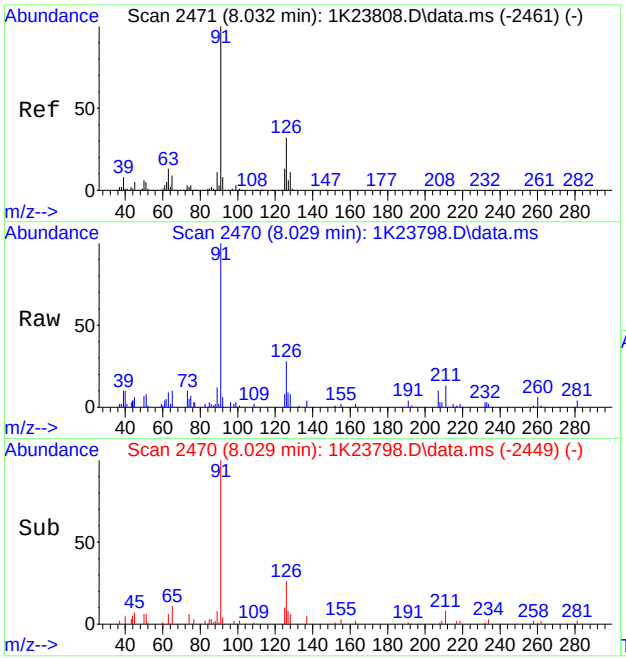


#103
2-chlorotoluene
Concen: 0.86 ug/L
RT: 7.946 min Scan# 2444
Delta R.T. 0.000 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion:126 Resp: 4768

Ion	Ratio	Lower	Upper
126	100		
91	328.3	316.4	376.4
89	60.6	33.0	93.0

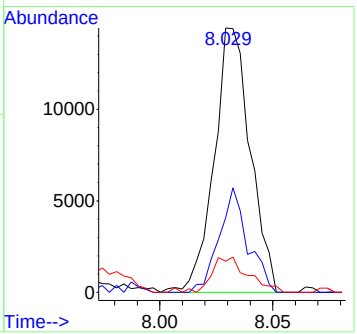


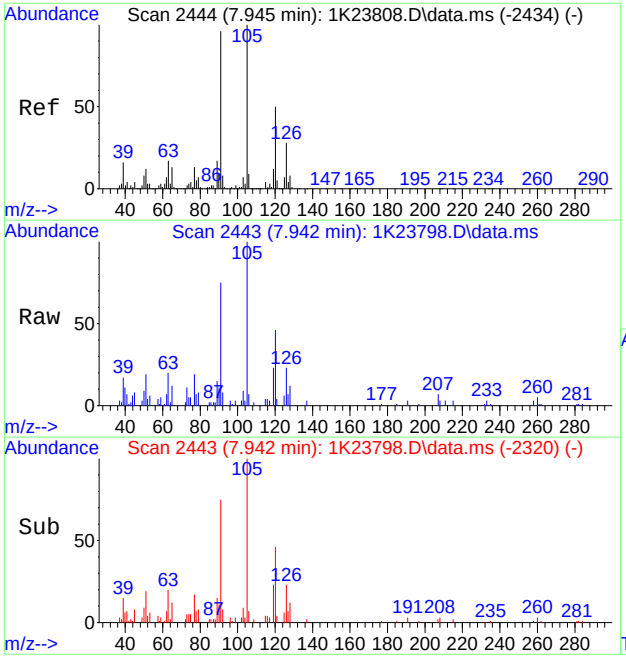


#104
4-chlorotoluene
Concen: 0.89 ug/L
RT: 8.029 min Scan# 2470
Delta R.T. -0.003 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion: 91 Resp: 16029

Ion	Ratio	Lower	Upper
91	100		
126	28.3	2.1	62.1
89	11.8	0.0	41.4

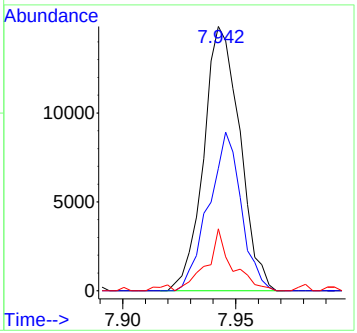


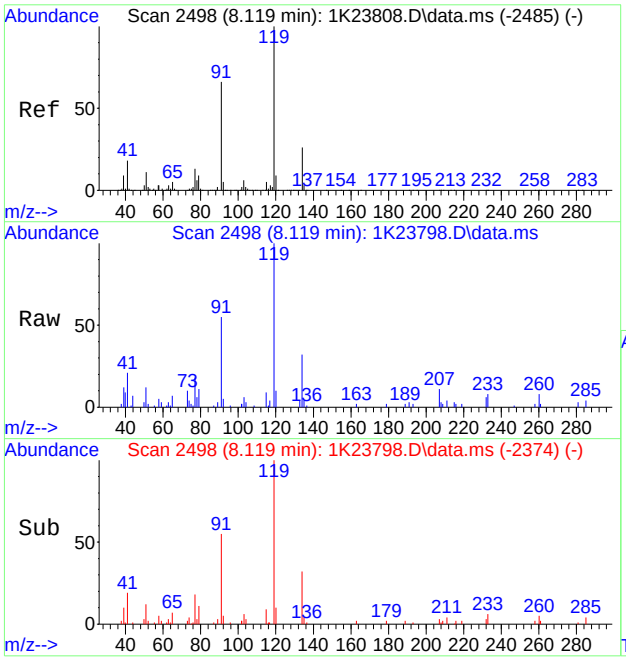


#105
1,3,5-trimethylbenzene
Concen: 0.92 ug/L
RT: 7.942 min Scan# 2443
Delta R.T. -0.003 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion:105 Resp: 16545

Ion	Ratio	Lower	Upper
105	100		
120	46.4	20.0	80.0
119	23.5	0.0	41.7

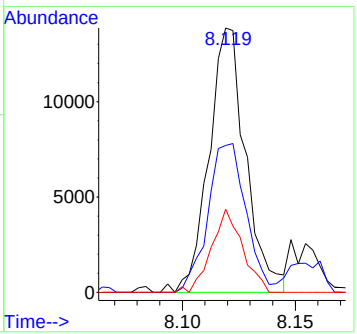


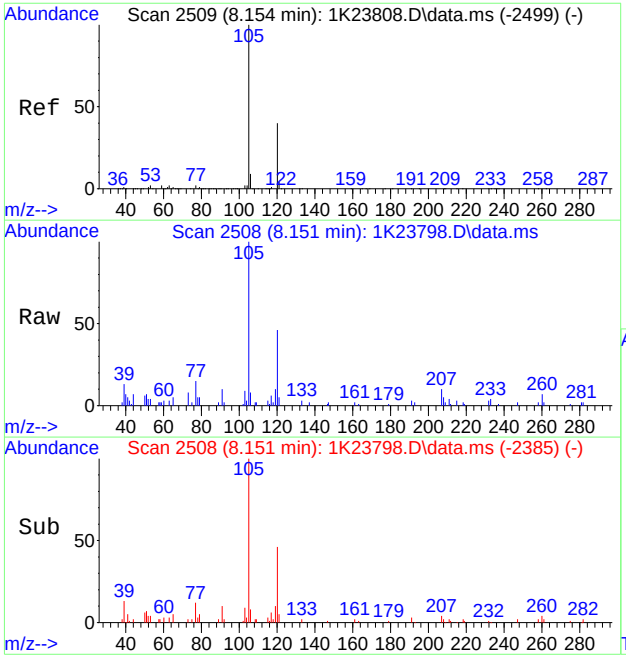


#106
tert-butylbenzene
Concen: 1.02 ug/L
RT: 8.119 min Scan# 2498
Delta R.T. 0.000 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion:119 Resp: 15670

Ion	Ratio	Lower	Upper
119	100		
91	55.5	36.3	96.3
134	31.5	0.0	56.2

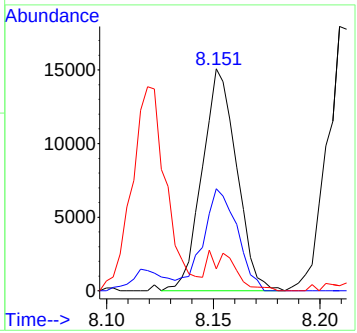


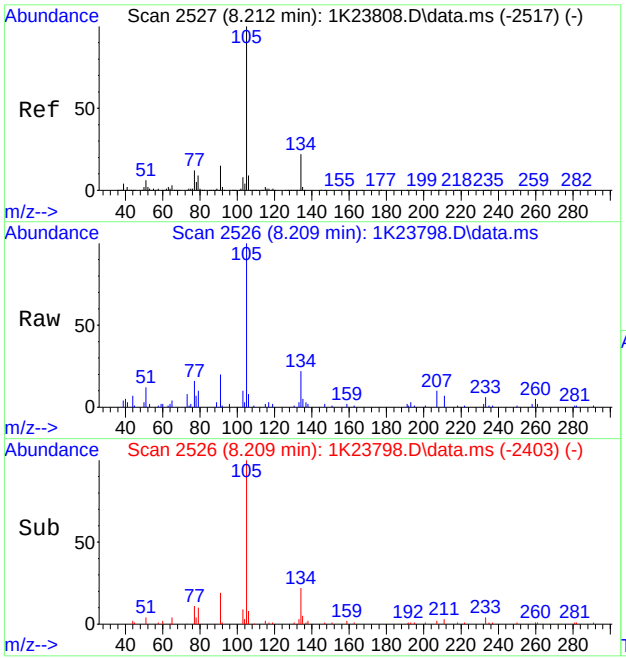


#107
1,2,4-trimethylbenzene
Concen: 0.87 ug/L
RT: 8.151 min Scan# 2508
Delta R.T. -0.003 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion:105 Resp: 16958

Ion	Ratio	Lower	Upper
105	100		
120	46.0	17.1	77.1
119	9.8	0.0	42.1

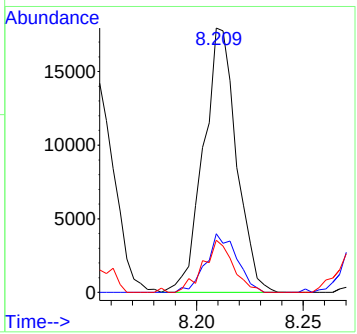


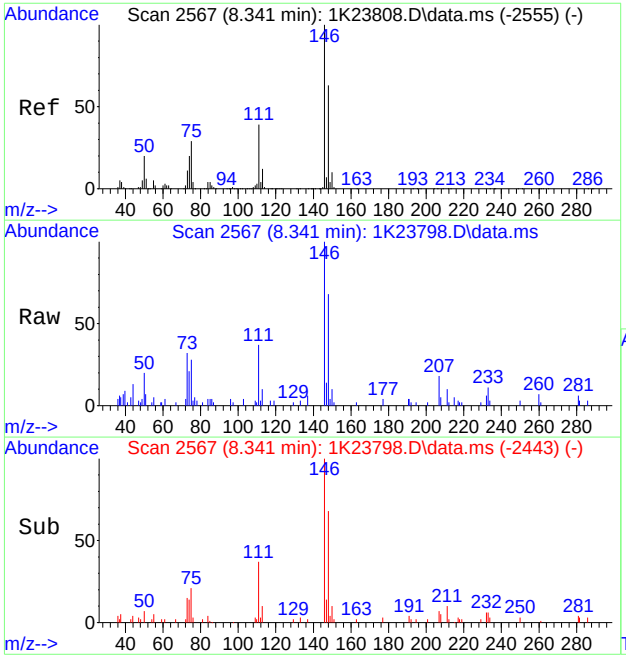


#108
sec-butylbenzene
Concen: 0.92 ug/L
RT: 8.209 min Scan# 2526
Delta R.T. -0.003 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion:105 Resp: 19368

Ion	Ratio	Lower	Upper
105	100		
134	22.2	0.0	51.5
91	19.8	0.0	45.0

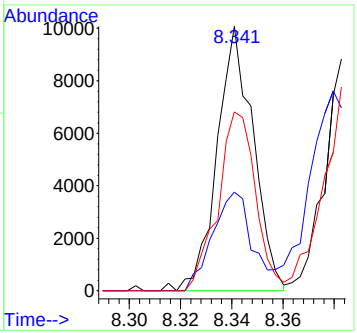


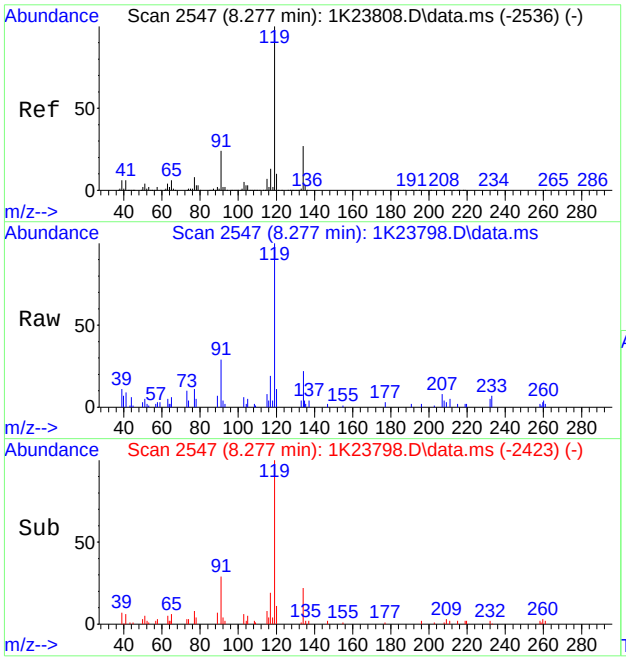


#109
1,3-dichlorobenzene
Concen: 0.92 ug/L
RT: 8.341 min Scan# 2567
Delta R.T. 0.000 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion:146 Resp: 9861

Ion	Ratio	Lower	Upper
146	100		
111	37.4	8.9	68.9
148	67.6	32.9	92.9

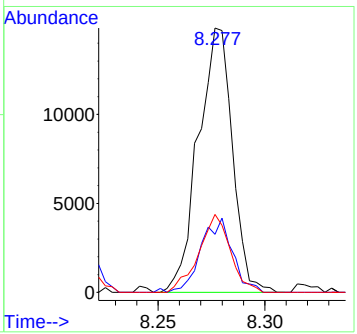


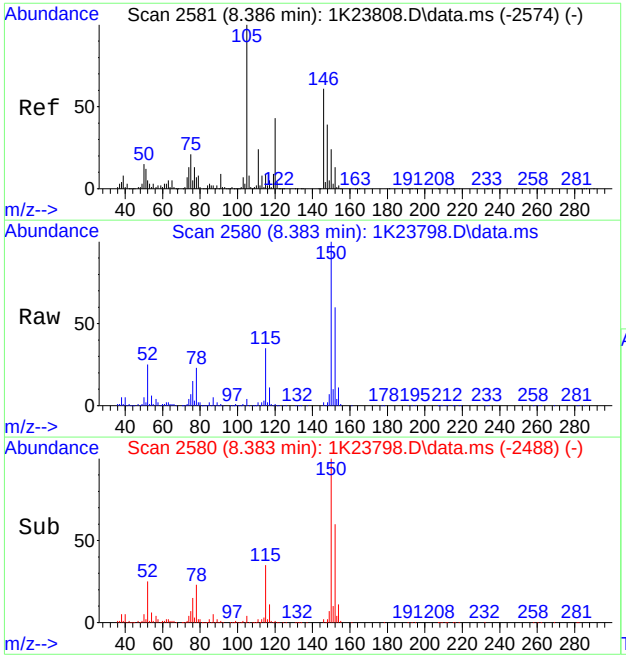


#110
p-isopropyltoluene
Concen: 0.89 ug/L
RT: 8.277 min Scan# 2547
Delta R.T. 0.000 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion:119 Resp: 16575

Ion	Ratio	Lower	Upper
119	100		
134	25.5	0.0	56.8
91	29.4	0.0	53.8

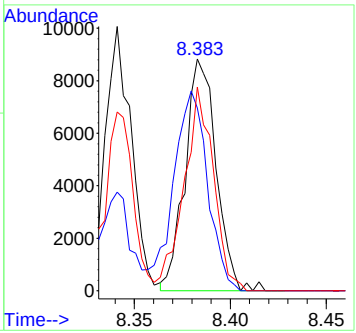


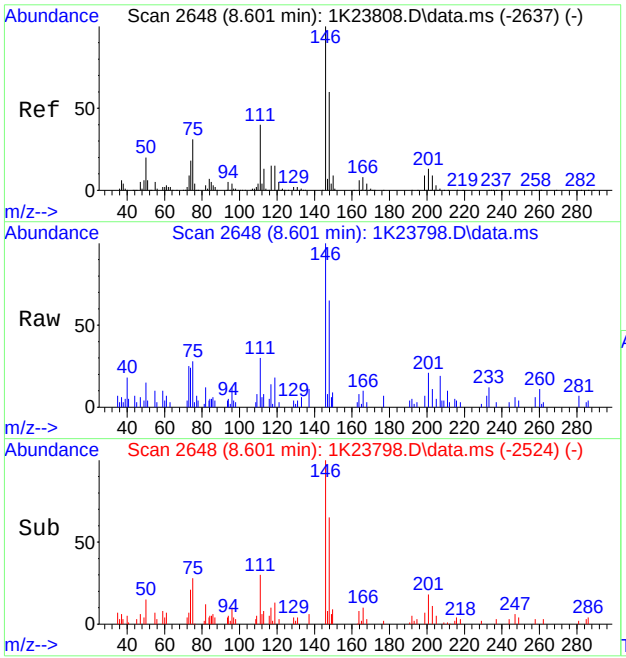


#111
1,4-dichlorobenzene
Concen: 0.86 ug/L
RT: 8.383 min Scan# 2580
Delta R.T. -0.003 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion:146 Resp: 9960

Ion	Ratio	Lower	Upper
146	100		
111	78.8	9.1	69.1#
148	87.9	33.9	93.9

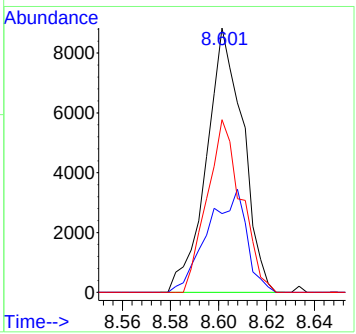


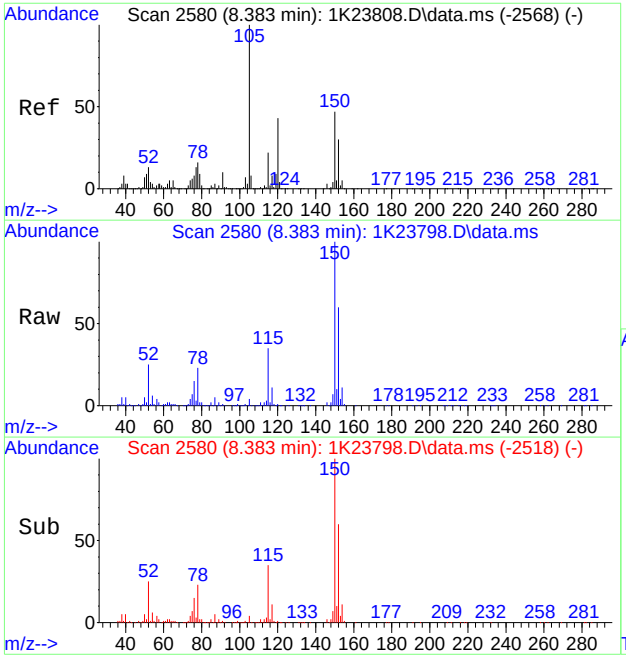


#112
1,2-dichlorobenzene
Concen: 0.94 ug/L
RT: 8.601 min Scan# 2648
Delta R.T. 0.000 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion:146 Resp: 9316

Ion	Ratio	Lower	Upper
146	100		
111	29.8	9.9	69.9
148	65.3	30.0	90.0

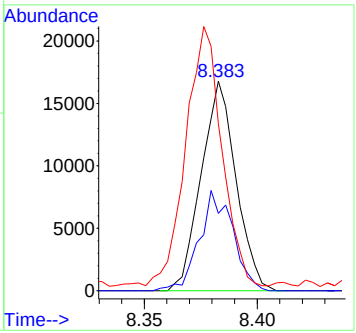


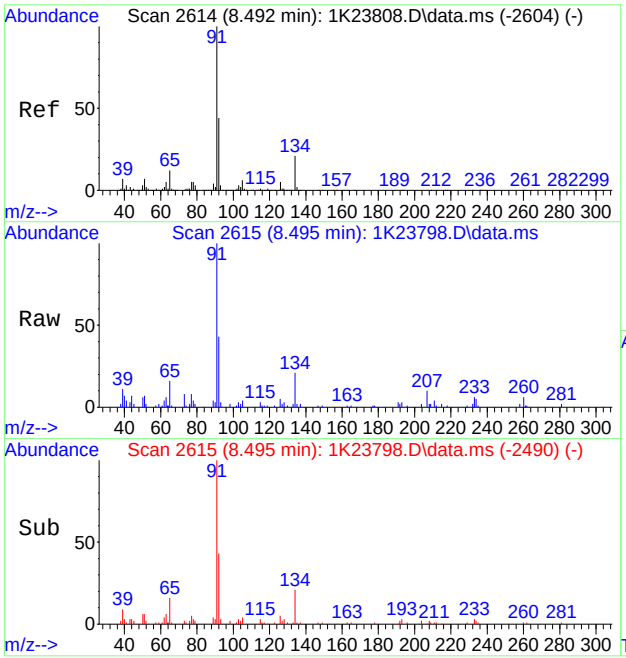


#113
1,2,3-trimethylbenzene
Concen: 0.90 ug/L
RT: 8.383 min Scan# 2580
Delta R.T. 0.000 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion:105 Resp: 17964

Ion	Ratio	Lower	Upper
105	100		
120	37.0	12.7	72.7
77	75.8	0.0	43.6#

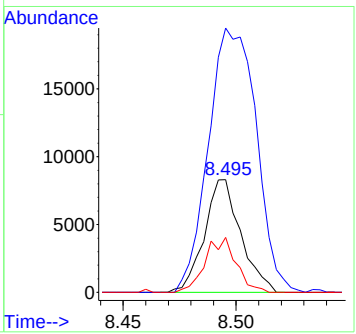


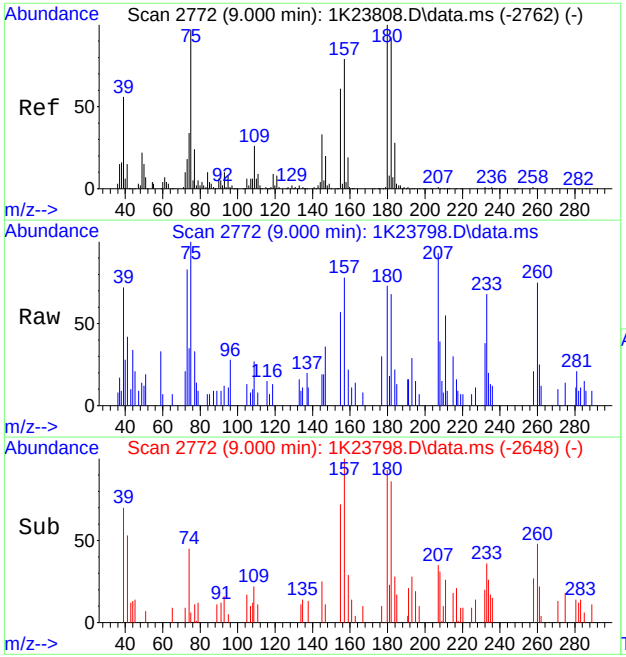


#114
n-butylbenzene
Concen: 0.93 ug/L
RT: 8.495 min Scan# 2615
Delta R.T. 0.003 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion: 92 Resp: 9281

Ion	Ratio	Lower	Upper
92	100		
91	234.6	199.3	259.3
134	48.9	17.7	77.7

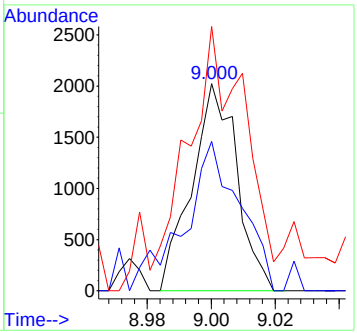


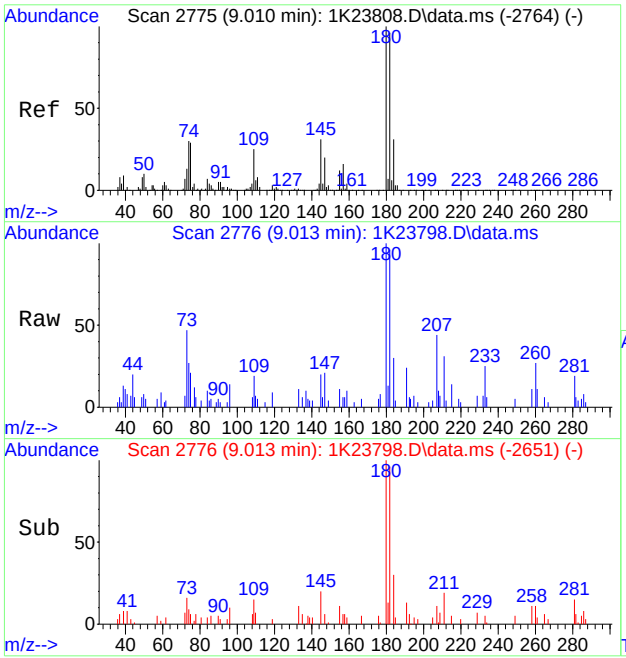


#115
1,2-dibromo-3-chloropropane
Concen: 0.98 ug/L
RT: 9.000 min Scan# 2772
Delta R.T. 0.000 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion:157 Resp: 1985

Ion	Ratio	Lower	Upper
157	100		
155	72.2	47.8	107.8
75	107.0	92.6	152.6

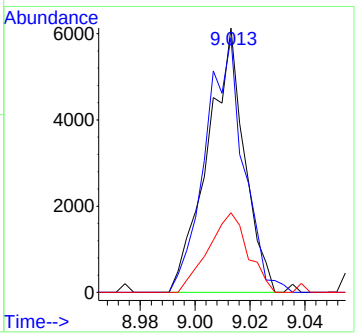


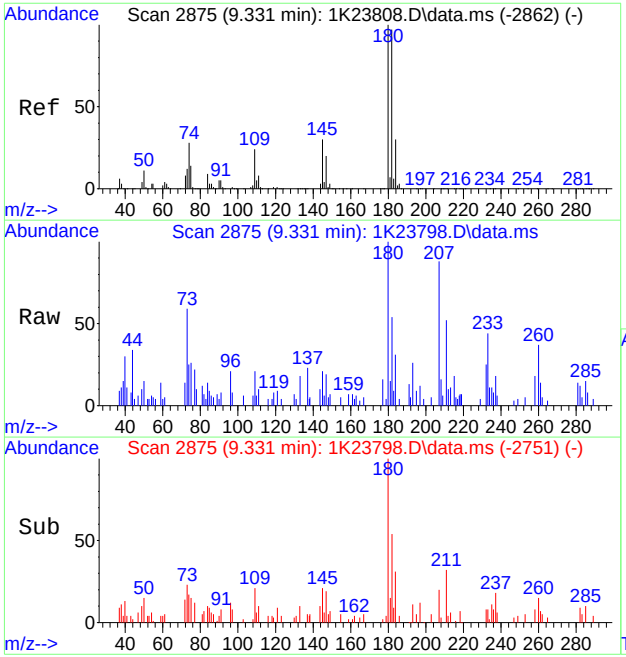


#116
1,3,5-trichlorobenzene
Concen: 0.91 ug/L
RT: 9.013 min Scan# 2776
Delta R.T. 0.003 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion:180 Resp: 5735

Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.0	116.0
184	30.2	11.0	51.0

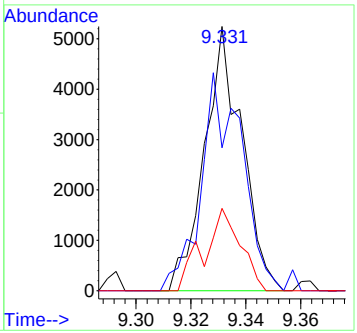


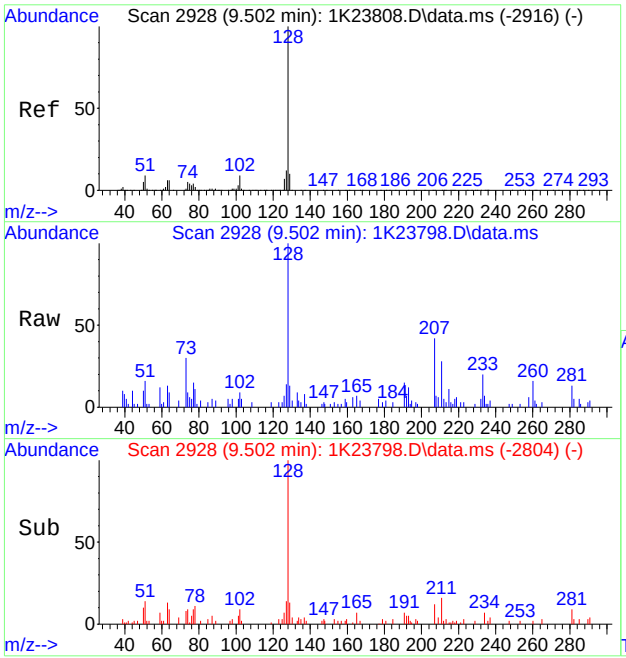


#117
1,2,4-trichlorobenzene
Concen: 0.87 ug/L
RT: 9.331 min Scan# 2875
Delta R.T. 0.000 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion:180 Resp: 4989

Ion	Ratio	Lower	Upper
180	100		
182	54.0	67.0	127.0#
184	31.2	0.2	60.2

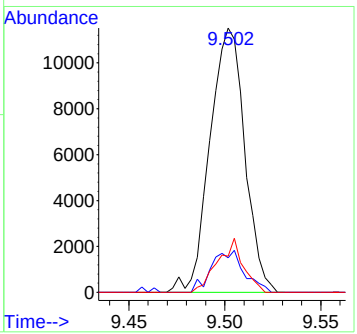


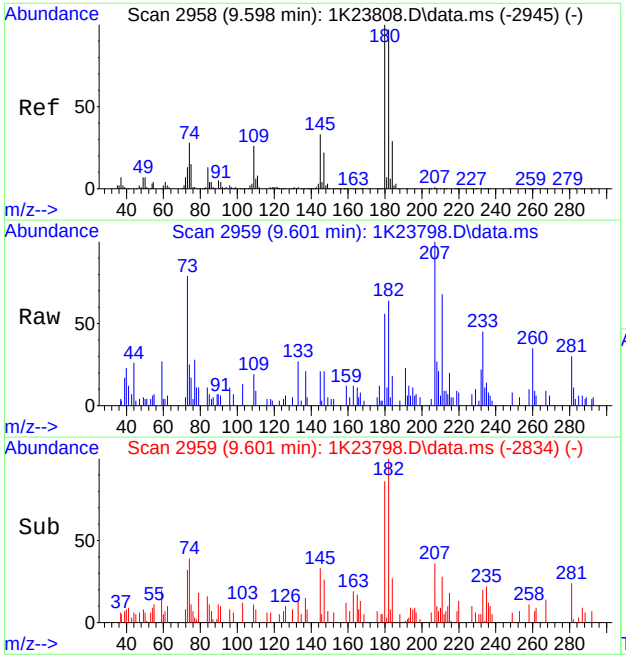


#119
naphthalene
Concen: 0.83 ug/L
RT: 9.502 min Scan# 2928
Delta R.T. 0.000 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion:128 Resp: 14549

Ion	Ratio	Lower	Upper
128	100		
129	13.0	0.0	40.4
127	13.6	0.0	42.3

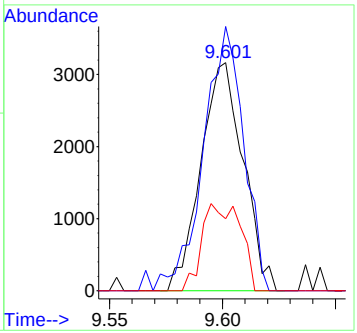


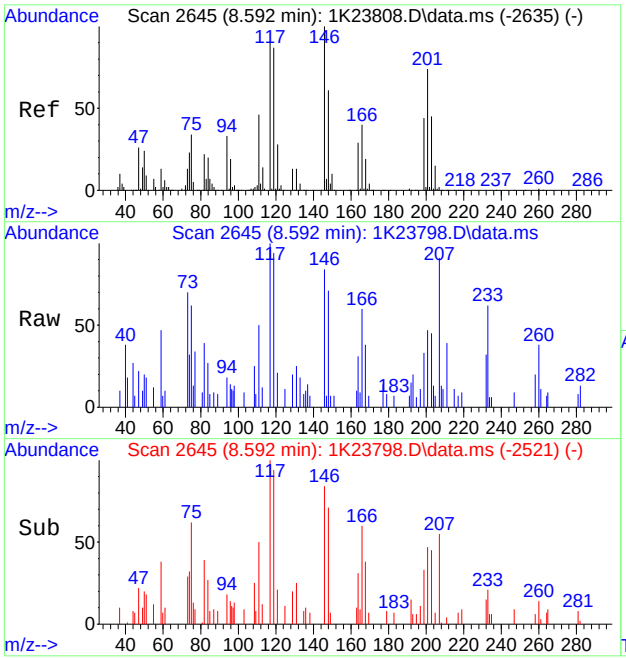


#120
1,2,3-trichlorobenzene
Concen: 0.86 ug/L
RT: 9.601 min Scan# 2959
Delta R.T. 0.003 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion:180 Resp: 4133

Ion	Ratio	Lower	Upper
180	100		
182	115.9	66.8	126.8
184	31.5	0.0	59.3

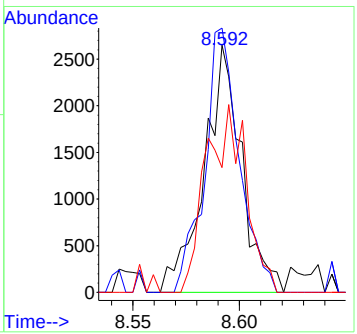


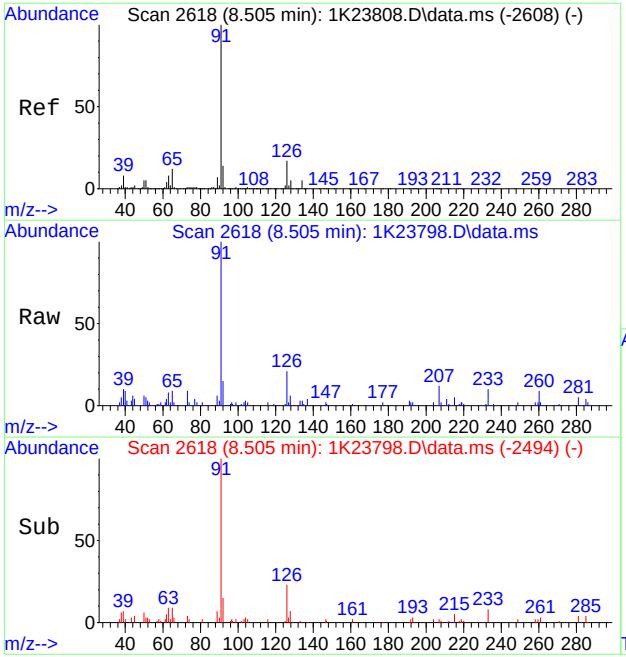


#121
hexachloroethane
Concen: 1.03 ug/L
RT: 8.592 min Scan# 2645
Delta R.T. 0.000 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion:119 Resp: 3231

Ion	Ratio	Lower	Upper
119	100		
117	106.9	74.2	134.2
201	50.5	55.5	115.5#

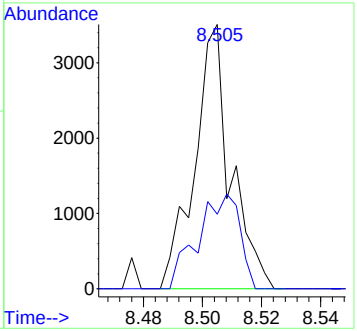


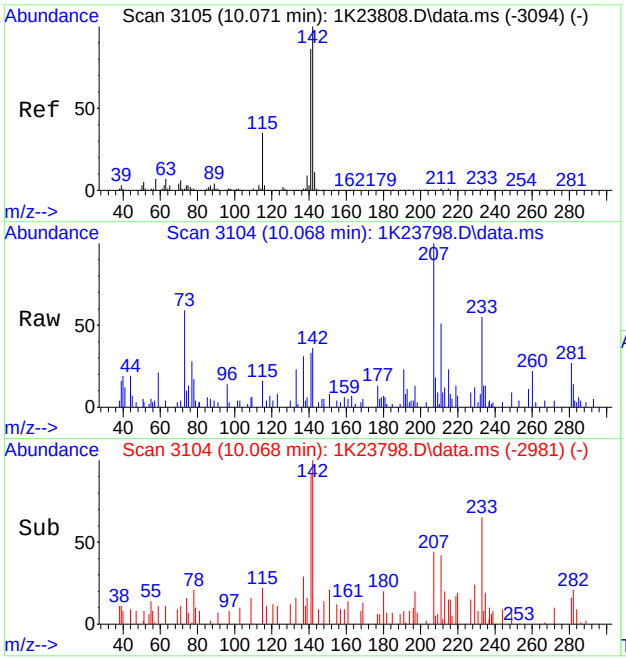


#122
benzyl chloride
Concen: 0.93 ug/L
RT: 8.505 min Scan# 2618
Delta R.T. 0.000 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion:126 Resp: 2969

Ion	Ratio	Lower	Upper
126	100		
128	28.2	0.0	59.1

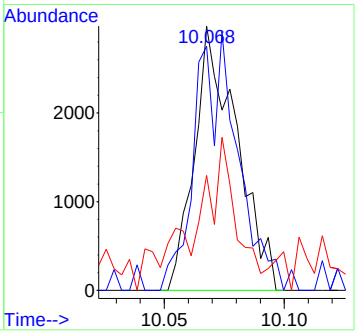




#123
2-methylnaphthalene
Concen: 0.59 ug/L
RT: 10.068 min Scan# 3104
Delta R.T. -0.003 min
Lab File: 1K23798.D
Acq: 5 Sep 2025 10:16 pm

Tgt Ion:142 Resp: 3646

Ion	Ratio	Lower	Upper
142	100		
141	92.4	56.3	116.3
115	34.8	4.7	64.7



Manual Integration Approval Summary

Sample Number: V1K658-IC658
Lab FileID: 1K23798.D
Injection Time: 09/05/25 22:16

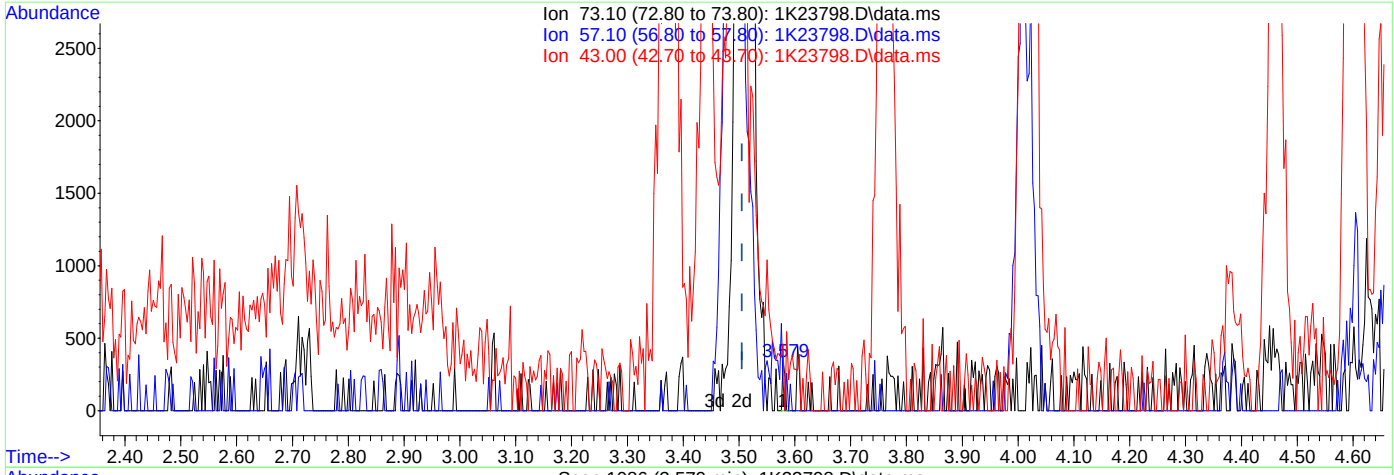
Method: SW846 8260D
Analyst approved: 09/08/25 12:39 MoHui Huang
Supervisor approved: 09/08/25 19:13 Kanya Veerawat

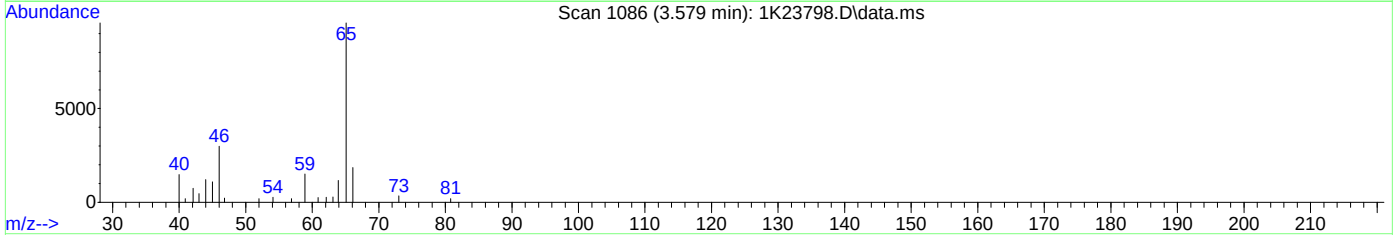
Parameter	CAS	Sig#	R.T. (min.)	Reason
Freon 113	76-13-1		2.91	Split peak
Methyl Tert Butyl Ether	1634-04-4		3.51	Missed peak
Propionitrile	107-12-0		4.80	Missed peak
1,2,3-Trichloropropane	96-18-4		7.97	Split peak

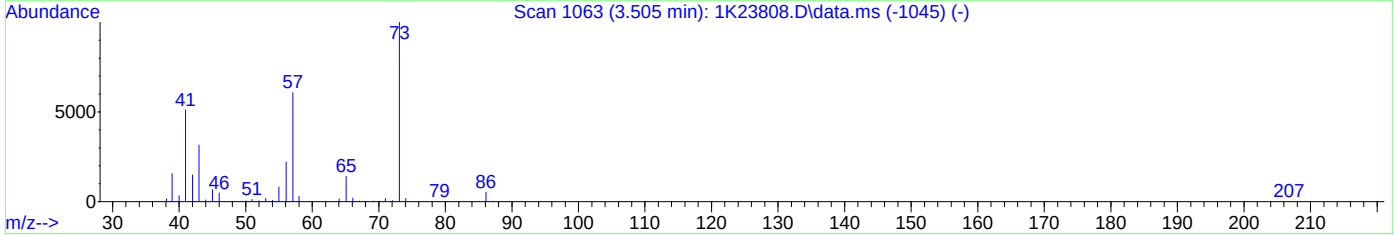
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 1K23798.D
Acq On : 5 Sep 2025 10:16 pm
Operator : PrashanS
Sample : IC658-1
Misc : MS95614,V1K658,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 08 11:06:35 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 11:06:26 2025
Response via : Initial Calibration







TIC: 1K23798.D\data.ms

(24) methyl tert butyl ether

3.579min (+0.074) 0.01ug/L

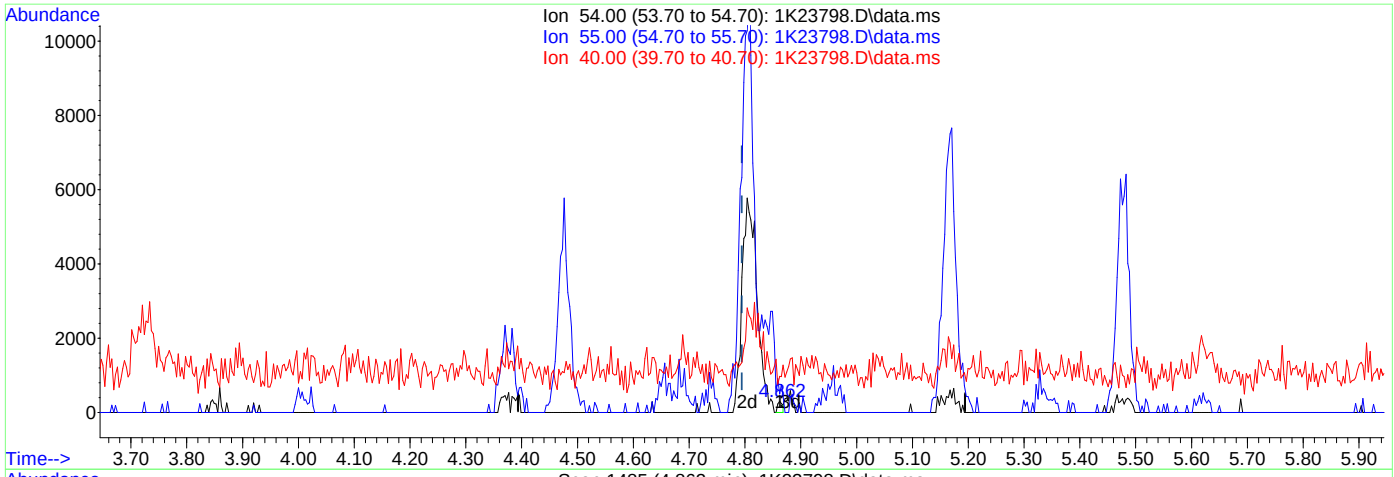
response 112

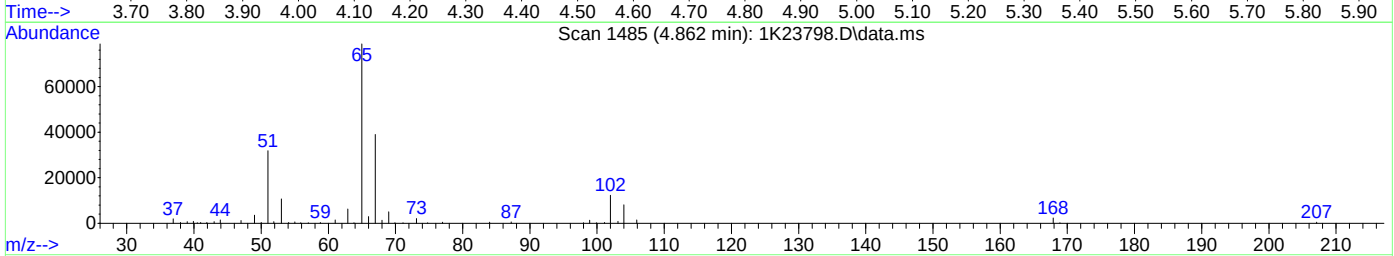
Ion	Exp%	Act%
73.10	100	100
57.10	60.70	55.39
43.00	48.20	71.72
0.00	0.00	0.00

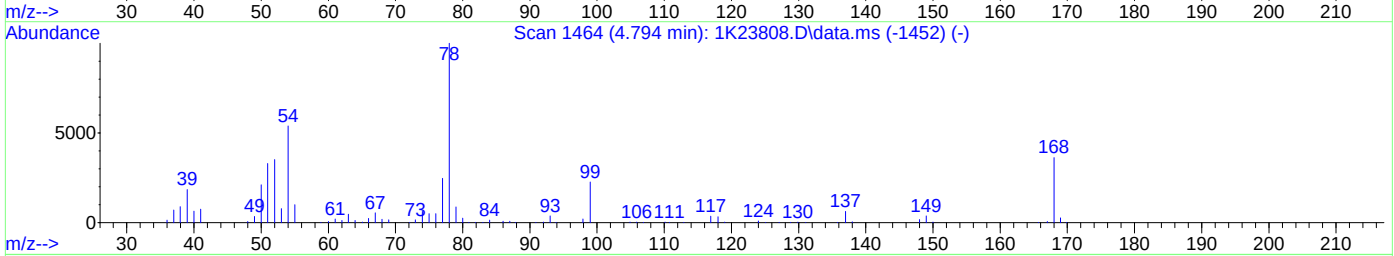
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 1K23798.D
Acq On : 5 Sep 2025 10:16 pm
Operator : PrashanS
Sample : IC658-1
Misc : MS95614,V1K658,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 08 11:06:35 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 11:06:26 2025
Response via : Initial Calibration







TIC: 1K23798.D\data.ms

(37) propionitrile

4.862min (+0.068) 0.15ug/L

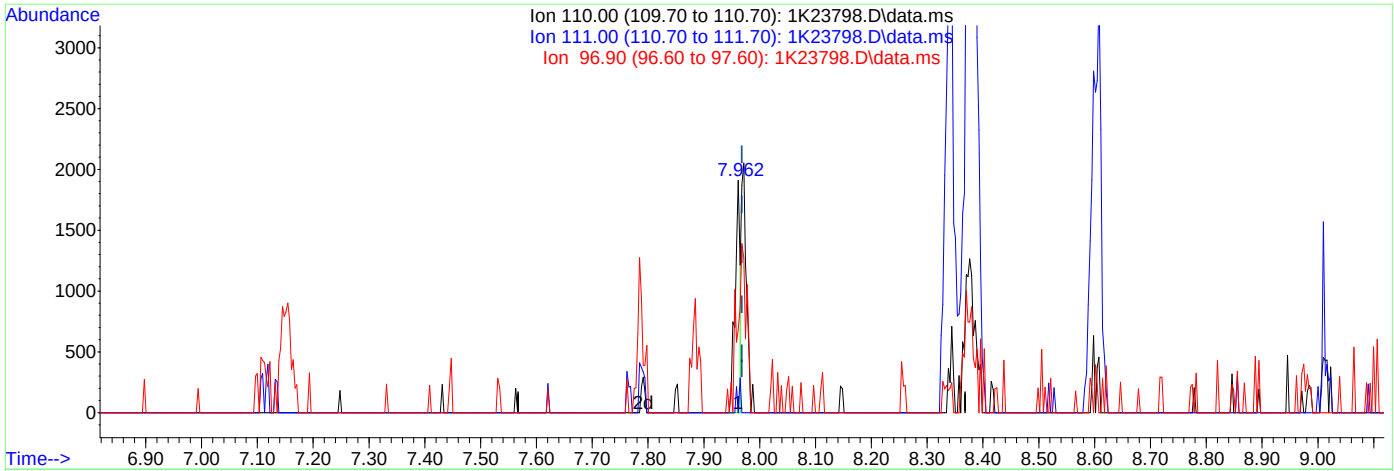
response 190

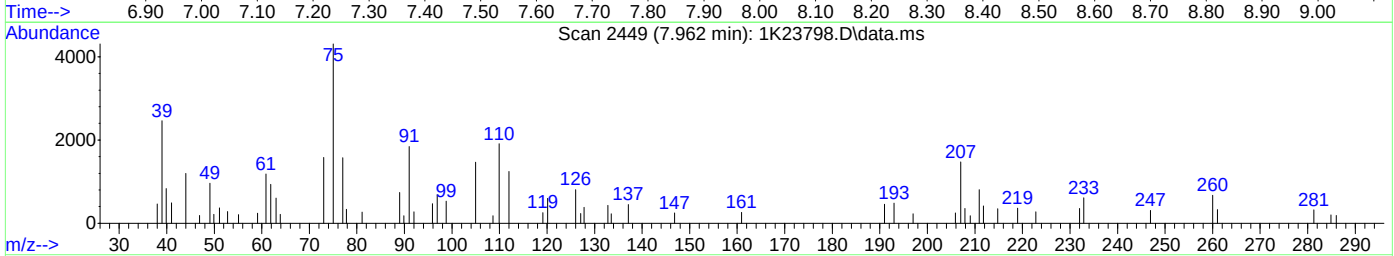
Ion	Exp%	Act%
54.00	100	100
55.00	20.40	16.50
40.00	11.80	0.00
0.00	0.00	0.00

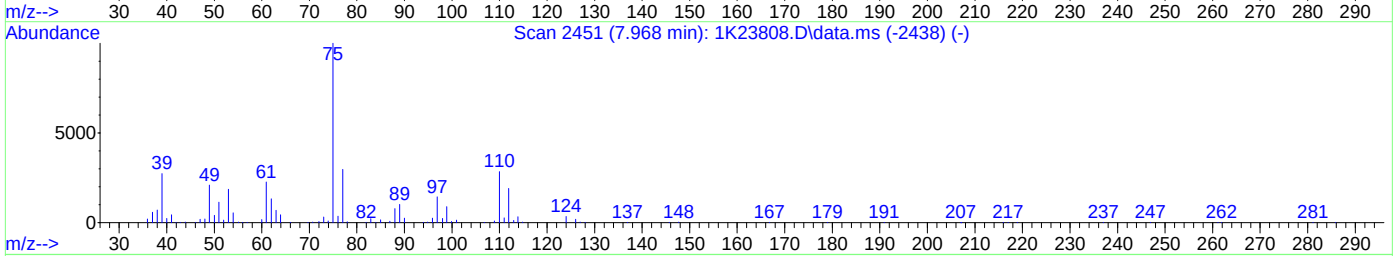
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 1K23798.D
Acq On : 5 Sep 2025 10:16 pm
Operator : PrashanS
Sample : IC658-1
Misc : MS95614,V1K658,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 08 11:06:35 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 11:06:26 2025
Response via : Initial Calibration







TIC: 1K23798.D\data.ms

(101) 1,2,3-trichloropropane

7.962min (-0.006) 0.51ug/L

response 1179

Ion	Exp%	Act%
110.00	100	100
111.00	9.10	0.00
96.90	50.80	25.79
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 09/08/25 19:13

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 1K23800.D
Acq On : 5 Sep 2025 10:50 pm
Operator : PrashanS
Sample : IC658-2
Misc : MS95614,V1K658,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 08 11:30:34 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 11:22:28 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	3.489	65	202328	500.00	ug/L	0.00
5) pentafluorobenzene	4.804	168	700433	50.00	ug/L	0.00
50) 1,4-difluorobenzene	5.171	114	1059834	50.00	ug/L	0.00
72) chlorobenzene-d5	7.110	117	868590	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	8.377	152	411575	50.00	ug/L	0.00
124) pentafluorobenzene(a)	4.804	168	700433	50.00	ug/L	0.00
128) 1,4-dichlorobenzene-d4(a)	8.377	152	411575	50.00	ug/L	0.00
System Monitoring Compounds						
42) dibromofluoromethane (s)	4.525	113	290752	48.60	ug/L	0.00
Spiked Amount 50.000	Range 75 - 127		Recovery = 97.20%			
51) 1,2-dichloroethane-d4 (s)	4.875	65	373766	49.77	ug/L	0.00
Spiked Amount 50.000	Range 75 - 130		Recovery = 99.54%			
73) toluene-d8 (s)	6.123	98	1216805	50.66	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.32%			
97) 4-bromofluorobenzene (s)	7.788	95	434283	49.88	ug/L	0.00
Spiked Amount 50.000	Range 79 - 127		Recovery = 99.76%			
Target Compounds						Qvalue
2) ethanol	2.824	45	4616	161.9776	ug/L	89
3) tertiary butyl alcohol	3.550	59	5177	9.9507	ug/L	72
6) chlorodifluoromethane	1.750	51	20619	2.0224	ug/L	91
7) dichlorodifluoromethane	1.715	85	15292	2.0914	ug/L	94
8) chloromethane	1.898	50	16840	1.9812	ug/L	93
9) vinyl chloride	1.962	62	14382	2.1140	ug/L	82
10) 1,3-butadiene	1.978	39	14344	1.9321	ug/L	90
11) bromomethane	2.255	96	3530	1.7102	ug/L #	98
12) chloroethane	2.364	64	8641	2.3469	ug/L	86
13) trichlorofluoromethane	2.483	101	20022	2.1214	ug/L	87
14) ethyl ether	2.727	74	6871	2.2250	ug/L #	81
15) acrolein	3.142	56	2893	1.8168	ug/L	71
16) freon 113	2.917	151	8193	2.0781	ug/L #	88
17) 1,1-dichloroethene	2.895	61	18370	1.9996	ug/L	97
18) acetone	3.351	58	5314	7.5105	ug/L #	78
19) acetonitrile	3.689	41	16633	16.7803	ug/L	97
20) iodomethane	3.026	142	5278	0.9678	ug/L	87
21) carbon disulfide	2.936	76	30700	2.1005	ug/L	94
22) methylene chloride	3.329	84	9813	1.9171	ug/L	88
23) methyl acetate	3.428	74	2528	2.1810	ug/L #	40
24) methyl tert butyl ether	3.509	73	31415	1.8370	ug/L	83
25) trans-1,2-dichloroethene	3.448	96	11092	2.0349	ug/L	92
26) hexane	3.496	57	25493	1.8210	ug/L	93
27) di-isopropyl ether	3.763	45	43850	1.9028	ug/L	95
28) ethyl tert-butyl ether	4.007	59	38119	1.8685	ug/L	97
29) 2-butanone	4.599	72	5528	5.4838	ug/L #	80
30) 1,1-dichloroethane	3.872	63	22153	2.1436	ug/L	93
31) chloroprene	3.859	53	22979	1.9638	ug/L	89
32) acrylonitrile	3.901	52	4918	1.8425	ug/L	84
33) vinyl acetate	4.017	86	2488	1.7606	ug/L #	40
34) ethyl acetate	4.451	70	1484	1.8742	ug/L #	46
35) 2,2-dichloropropane	4.312	77	18689	2.0682	ug/L	98
36) cis-1,2-dichloroethene	4.235	96	11687	2.1519	ug/L	87
37) propionitrile	4.795	54	21876	18.5922	ug/L #	29
38) methyl acrylate	4.473	85	1994	1.7048	ug/L #	57
39) bromochloromethane	4.370	128	5030	1.9761	ug/L #	82
40) tetrahydrofuran	4.505	71	2117	2.2499	ug/L #	51
41) chloroform	4.399	83	21587	1.9961	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 1K23800.D
Acq On : 5 Sep 2025 10:50 pm
Operator : PrashanS
Sample : IC658-2
Misc : MS95614,V1K658,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 08 11:30:34 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 11:22:28 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) methacrylonitrile	4.804	67	7437	2.3959	ug/L	#	46
44) 1,1,1-trichloroethane	4.560	97	18267	2.0922	ug/L		90
45) cyclohexane	4.380	84	15342	2.0651	ug/L	#	78
46) 1,1-dichloropropene	4.631	75	13875	1.7655	ug/L		88
47) carbon tetrachloride	4.509	117	16869	1.9302	ug/L		90
49) tert-amyl alcohol	4.949	55	2271m	7.6386	ug/L		
52) iso-octane	4.685	57	39733	1.9185	ug/L		94
53) benzene	4.795	78	40113	1.9013	ug/L		96
54) tert-amyl methyl ether	4.840	73	32412	1.8536	ug/L		95
55) heptane	4.747	57	7022	2.2588	ug/L		82
56) isopropyl acetate	5.029	87	2795	1.7570	ug/L	#	81
57) 1,2-dichloroethane	4.920	62	17196	1.9508	ug/L		87
59) ethyl acrylate	5.473	55	20525	2.0125	ug/L		95
60) trichloroethene	5.165	130	10554	2.0635	ug/L		98
61) 2-nitropropane	6.309	41	5648	2.2697	ug/L	#	69
62) 2-chloroethyl vinyl ether	5.920	63	31731	8.3332	ug/L		99
63) methyl methacrylate	5.615	100	3198	1.7749	ug/L		95
64) 1,2-dichloropropane	5.512	63	12020	2.0797	ug/L		94
65) methylcyclohexane	5.168	98	7650	1.9592	ug/L	#	44
66) dibromomethane	5.447	93	6276	1.9439	ug/L		97
67) bromodichloromethane	5.544	83	15219	2.1790	ug/L		78
68) epichlorohydrin	6.155	57	7687	8.9265	ug/L		82
69) cis-1,3-dichloropropene	5.988	75	16551	1.9412	ug/L		93
70) 4-methyl-2-pentanone	6.386	58	26369	7.9075	ug/L		98
71) 3-methyl-1-butanol	6.213	70	5432	35.5873	ug/L	#	64
74) toluene	6.158	92	25403	1.8683	ug/L		97
75) ethyl methacrylate	6.496	69	15383	2.0163	ug/L		96
76) trans-1,3-dichloropropene	6.419	75	16809	1.9661	ug/L		94
77) 1,1,2-trichloroethane	6.528	83	7219	1.9923	ug/L	#	80
78) tetrachloroethene	6.422	166	11015	2.1499	ug/L		88
79) 2-hexanone	6.907	58	28377	8.1305	ug/L		97
80) 1,3-dichloropropane	6.711	76	17570	2.1631	ug/L		92
81) butyl acetate	6.830	56	11390	1.9789	ug/L		89
82) dibromochloromethane	6.650	129	11102	2.1032	ug/L		91
83) 1,2-dibromoethane	6.811	107	9111	1.9919	ug/L		81
84) n-butyl ether	7.013	57	55534	2.0284	ug/L		97
85) chlorobenzene	7.119	112	28617	2.0927	ug/L		90
86) 1,1,1,2-tetrachloroethane	7.155	131	10583	2.0817	ug/L		94
87) ethylbenzene	7.119	91	51589	2.0119	ug/L		92
88) m,p-xylene	7.203	106	37756	4.0102	ug/L		91
89) o-xylene	7.454	106	17479	1.9501	ug/L		97
90) styrene	7.480	104	29600	1.9406	ug/L		96
91) bromoform	7.515	173	7631	2.1019	ug/L		98
92) butyl acrylate	7.525	55	29125	2.0104	ug/L		94
93) isopropylbenzene	7.621	105	45761	2.0866	ug/L		94
94) n-amyl acetate	7.660	70	9884	2.0899	ug/L	#	75
98) bromobenzene	7.859	156	11295	2.0701	ug/L	#	77
99) 1,1,2,2-tetrachloroethane	7.885	83	13791	1.9651	ug/L		97
100) trans-1,4-dichloro-2-b...	7.981	53	6813	2.3582	ug/L	#	56
101) 1,2,3-trichloropropane	7.965	110	4888	2.1348	ug/L		94
102) n-propylbenzene	7.849	91	51918	2.0797	ug/L		88
103) 2-chlorotoluene	7.949	126	10851	2.1316	ug/L		90
104) 4-chlorotoluene	8.033	91	31859	1.8839	ug/L		96
105) 1,3,5-trimethylbenzene	7.946	105	36158	2.1384	ug/L		98
106) tert-butylbenzene	8.123	119	30944	2.0726	ug/L		99
107) 1,2,4-trimethylbenzene	8.152	105	35653	1.9630	ug/L		99
108) sec-butylbenzene	8.209	105	39899	2.0110	ug/L		96
109) 1,3-dichlorobenzene	8.341	146	20129	2.0038	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 1K23800.D
Acq On : 5 Sep 2025 10:50 pm
Operator : PrashanS
Sample : IC658-2
Misc : MS95614,V1K658,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 08 11:30:34 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 11:22:28 2025
Response via : Initial Calibration

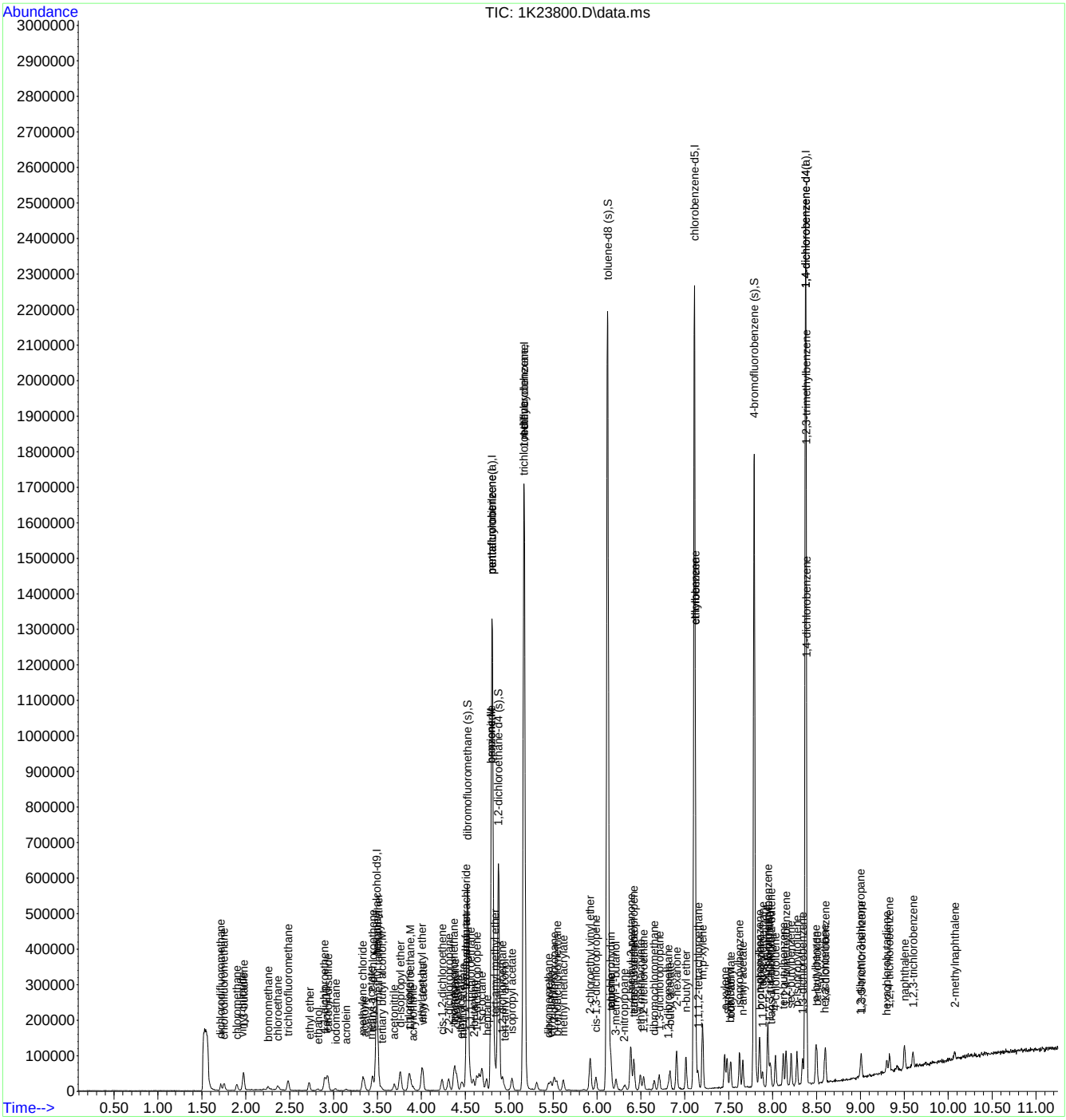
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
110) p-isopropyltoluene	8.277	119	34242	1.9824	ug/L	94
111) 1,4-dichlorobenzene	8.386	146	21145	1.9809	ug/L	93
112) 1,2-dichlorobenzene	8.602	146	19960	2.1394	ug/L	97
113) 1,2,3-trimethylbenzene	8.383	105	37935	2.0338	ug/L #	78
114) n-butylbenzene	8.492	92	18817	1.9960	ug/L	96
115) 1,2-dibromo-3-chloropr...	9.000	157	3956	2.0434	ug/L	87
116) 1,3,5-trichlorobenzene	9.013	180	11264	1.9145	ug/L	92
117) 1,2,4-trichlorobenzene	9.328	180	9895	1.8754	ug/L	77
118) hexachlorobutadiene	9.299	225	3754	2.1799	ug/L	88
119) naphthalene	9.502	128	34974	2.1998	ug/L	97
120) 1,2,3-trichlorobenzene	9.598	180	8920	2.0256	ug/L	88
121) hexachloroethane	8.592	119	7328	2.3879	ug/L	76
122) benzyl chloride	8.505	126	6393	2.1572	ug/L	83
123) 2-methylnaphthalene	10.074	142	7221	1.1162	ug/L	89

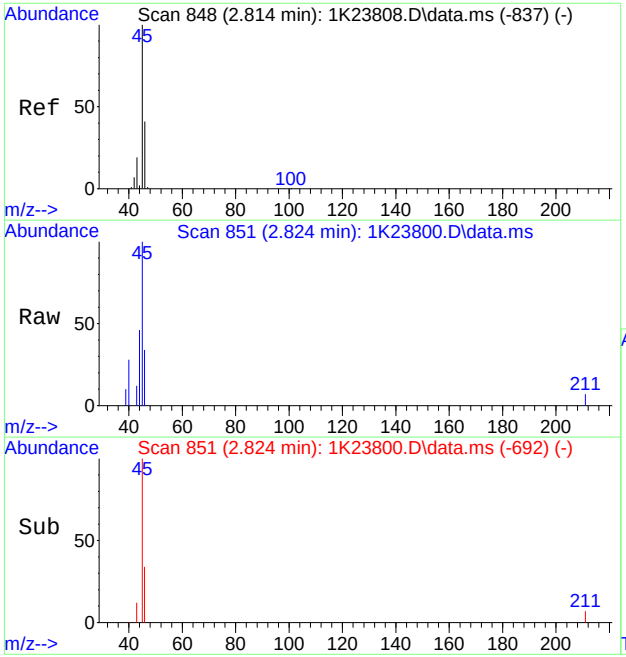
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 1K23800.D
Acq On : 5 Sep 2025 10:50 pm
Operator : PrashanS
Sample : IC658-2
Misc : MS95614,V1K658,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 08 11:30:34 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 11:22:28 2025
Response via : Initial Calibration

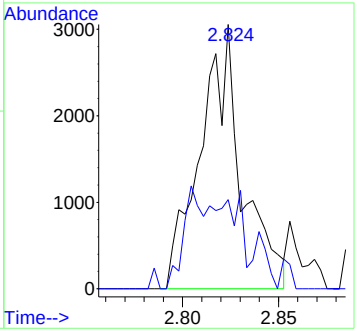


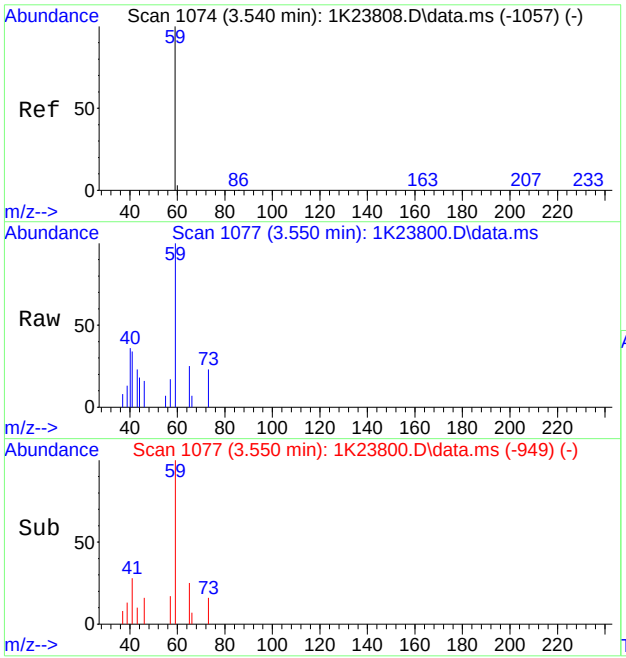


#2
ethanol
Concen: 161.98 ug/L
RT: 2.824 min Scan# 851
Delta R.T. 0.010 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion: 45 Resp: 4616

Ion	Ratio	Lower	Upper
45	100		
46	33.7	20.3	60.3

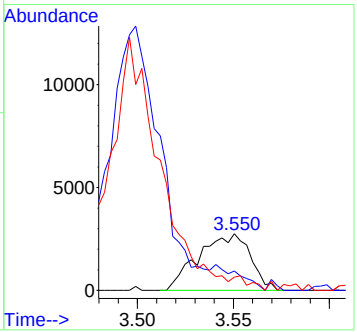


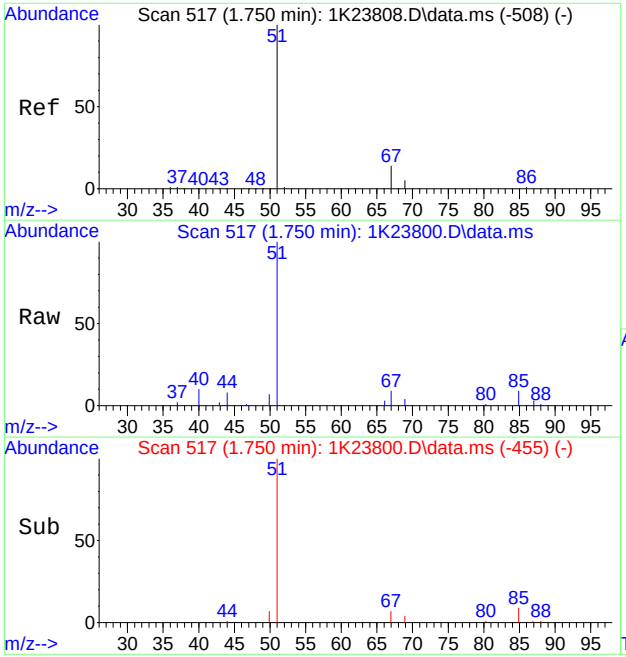


#3
tertiary butyl alcohol
Concen: 9.95 ug/L
RT: 3.550 min Scan# 1077
Delta R.T. 0.010 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion: 59 Resp: 5177

Ion	Ratio	Lower	Upper
59	100		
41	34.4	0.0	46.0
43	13.1	0.0	51.1

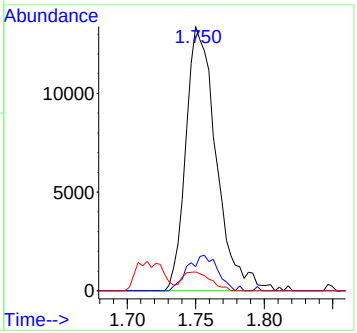


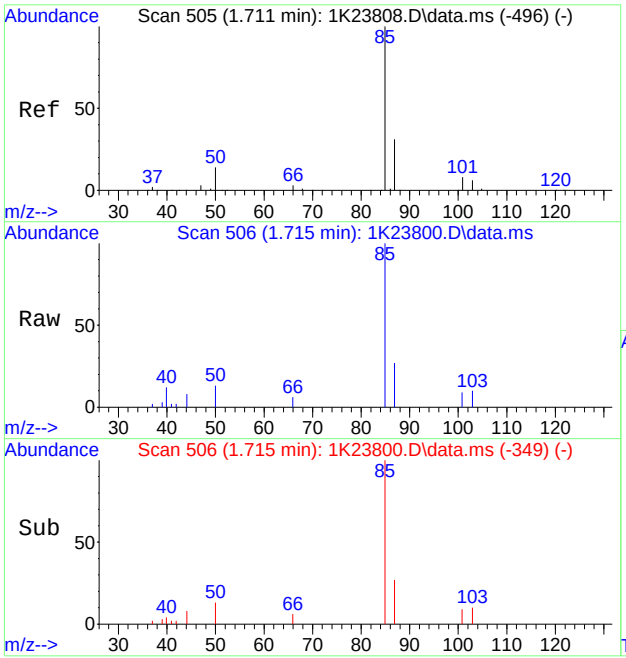


#6
chlorodifluoromethane
Concen: 2.02 ug/L
RT: 1.750 min Scan# 517
Delta R.T. 0.000 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion: 51 Resp: 20619

Ion	Ratio	Lower	Upper
51	100		
67	9.2	0.0	44.3
50	7.2	0.0	36.5

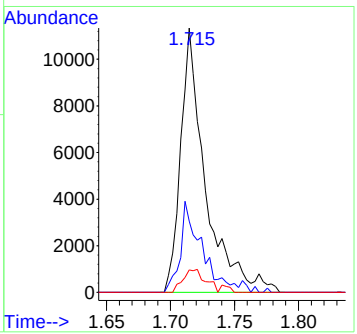


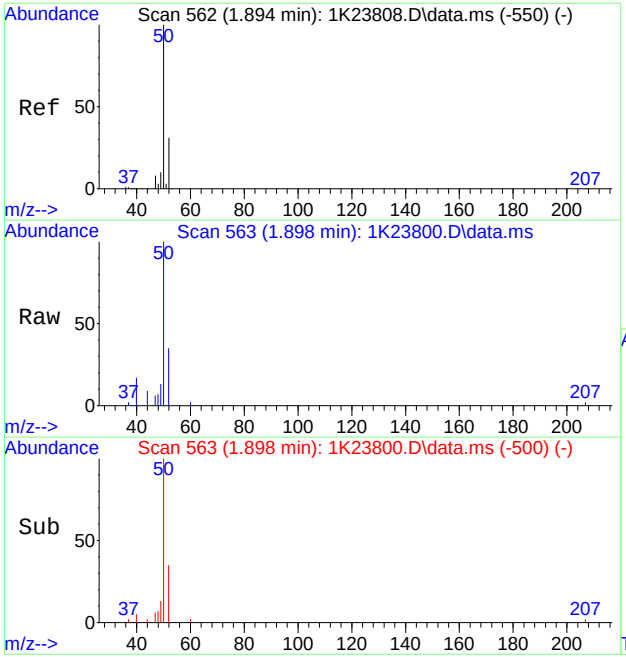


#7
dichlorodifluoromethane
Concen: 2.09 ug/L
RT: 1.715 min Scan# 506
Delta R.T. 0.004 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion: 85 Resp: 15292

Ion	Ratio	Lower	Upper
85	100		
87	26.9	0.7	60.7
101	8.5	0.0	38.3

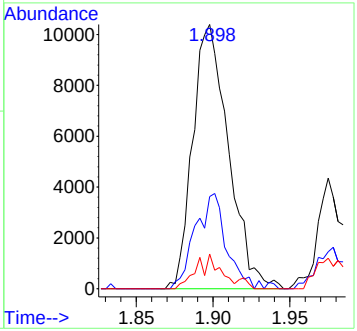


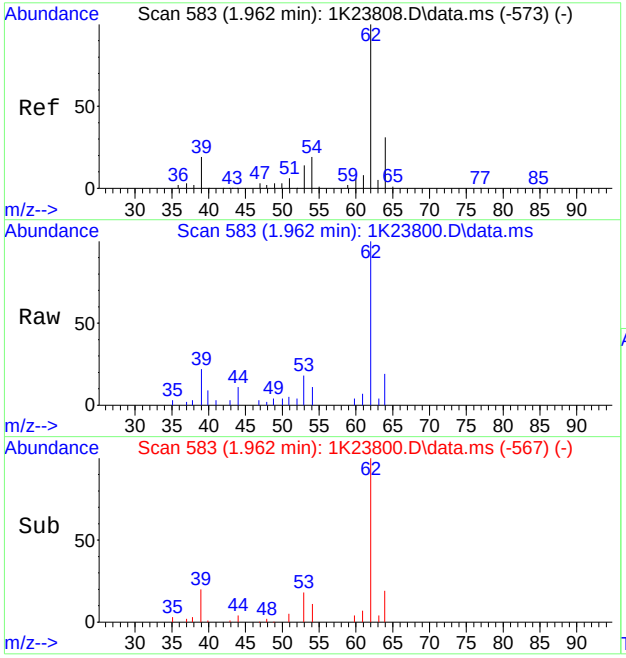


#8
chloromethane
Concen: 1.98 ug/L
RT: 1.898 min Scan# 563
Delta R.T. 0.004 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion: 50 Resp: 16840

Ion	Ratio	Lower	Upper
50	100		
52	34.9	1.4	61.4
49	13.2	0.0	40.1

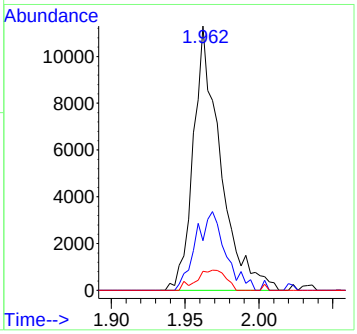


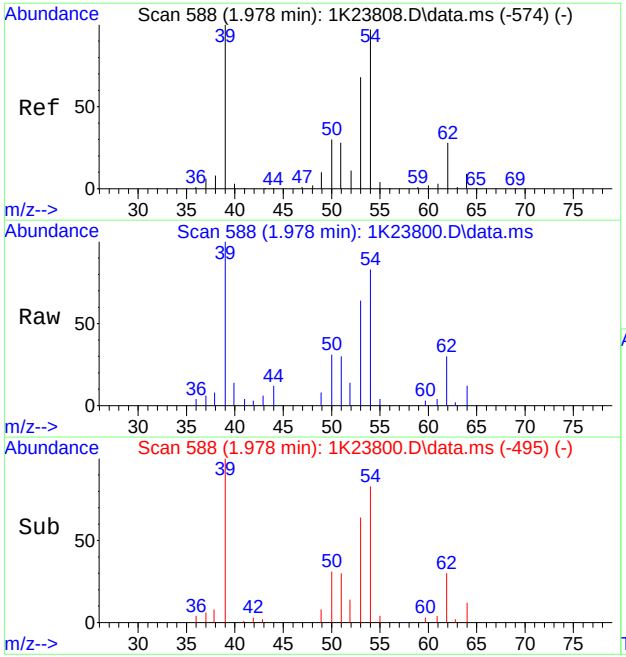


#9
vinyl chloride
Concen: 2.11 ug/L
RT: 1.962 min Scan# 583
Delta R.T. 0.000 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion: 62 Resp: 14382

Ion	Ratio	Lower	Upper
62	100		
64	18.8	0.6	60.6
61	7.2	0.0	38.4

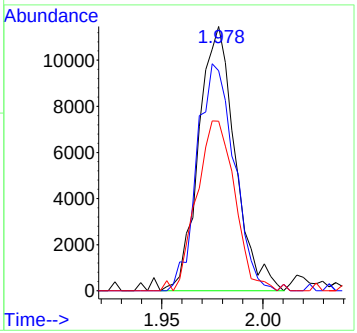


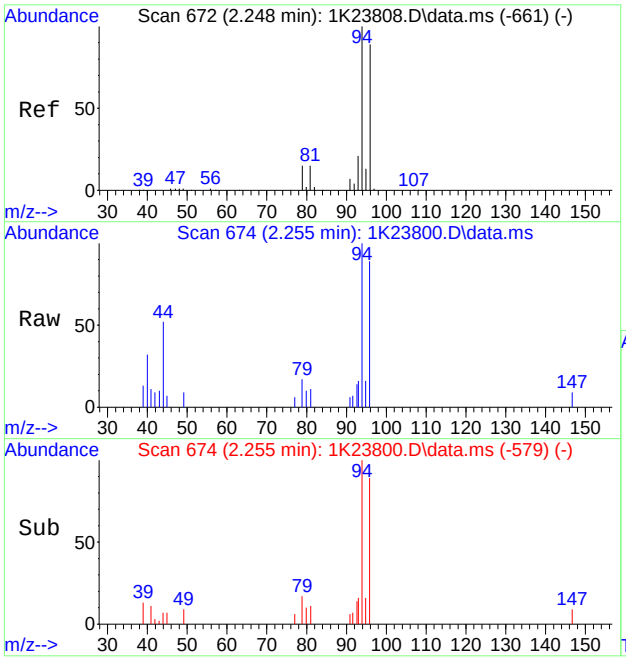


#10
1,3-butadiene
Concen: 1.93 ug/L
RT: 1.978 min Scan# 588
Delta R.T. 0.000 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion: 39 Resp: 14344

Ion	Ratio	Lower	Upper
39	100		
54	83.2	67.0	127.0
53	64.1	38.5	98.5

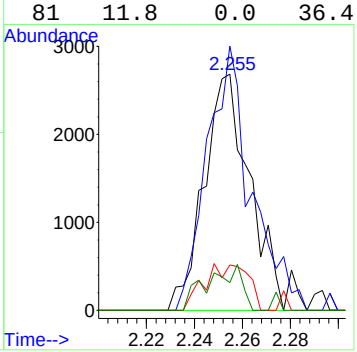


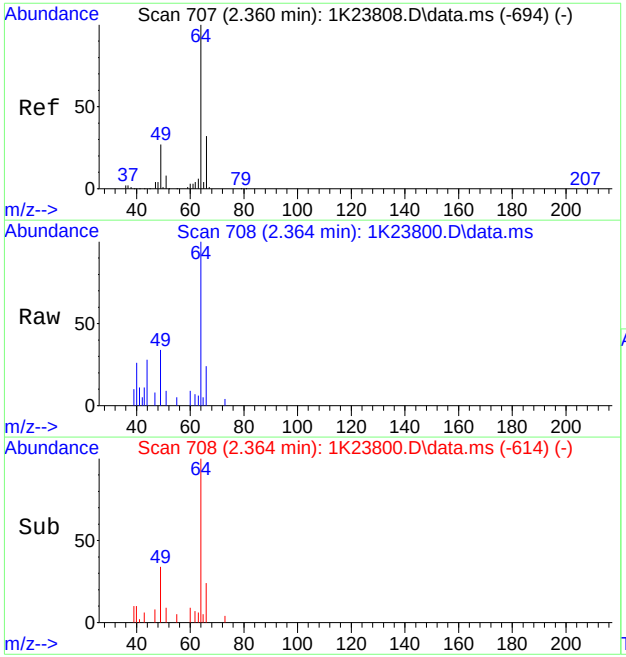


#11
bromomethane
Concen: 1.71 ug/L
RT: 2.255 min Scan# 674
Delta R.T. 0.007 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion: 96 Resp: 3530

Ion	Ratio	Lower	Upper
96	100		
94	112.0	82.9	142.9
79	19.3	17.4	17.4#
81	11.8	0.0	36.4

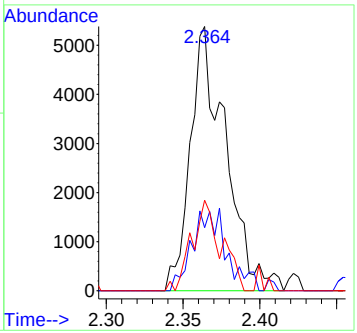


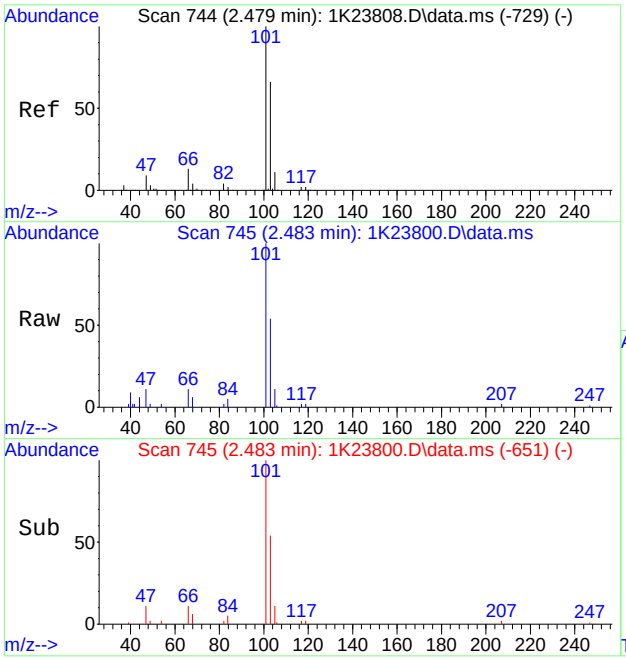


#12
chloroethane
Concen: 2.35 ug/L
RT: 2.364 min Scan# 708
Delta R.T. 0.004 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion: 64 Resp: 8641

Ion	Ratio	Lower	Upper
64	100		
66	23.9	1.6	61.6
49	34.2	0.0	57.3

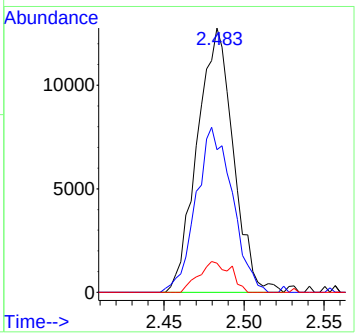


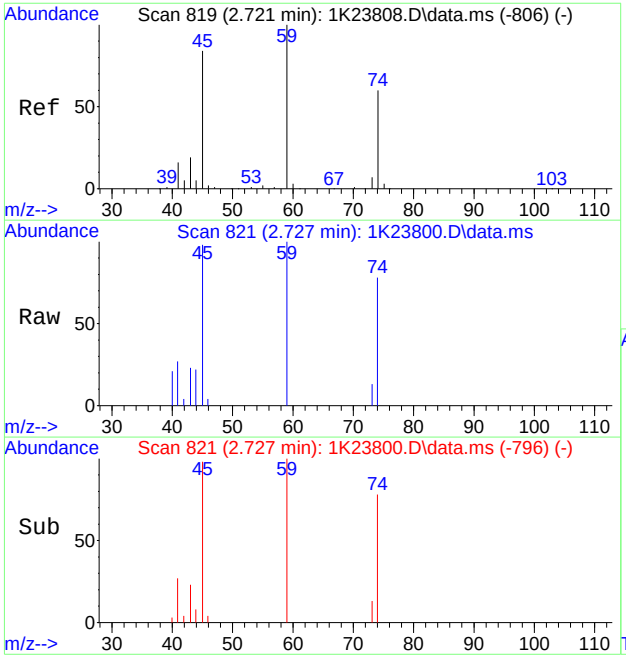


#13
trichlorofluoromethane
Concen: 2.12 ug/L
RT: 2.483 min Scan# 745
Delta R.T. 0.004 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion:101 Resp: 20022

Ion	Ratio	Lower	Upper
101	100		
103	54.0	35.9	95.9
105	11.1	0.0	40.9

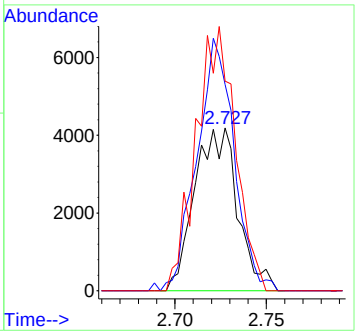


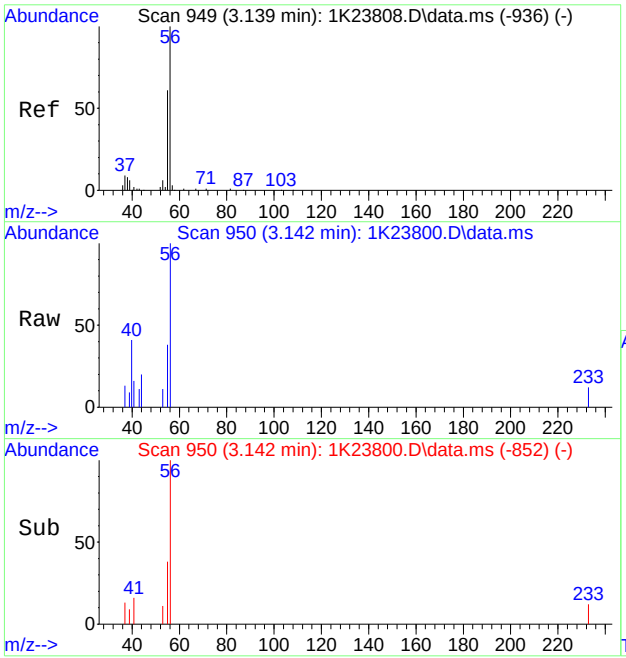


#14
ethyl ether
Concen: 2.23 ug/L
RT: 2.727 min Scan# 821
Delta R.T. 0.007 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion: 74 Resp: 6871

Ion	Ratio	Lower	Upper
74	100		
45	126.6	108.3	168.3
59	128.7	135.3	195.3#

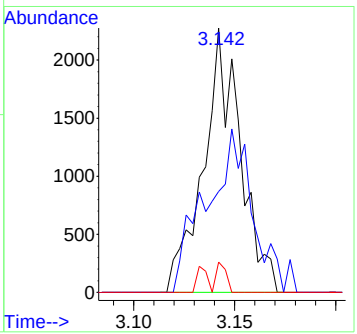


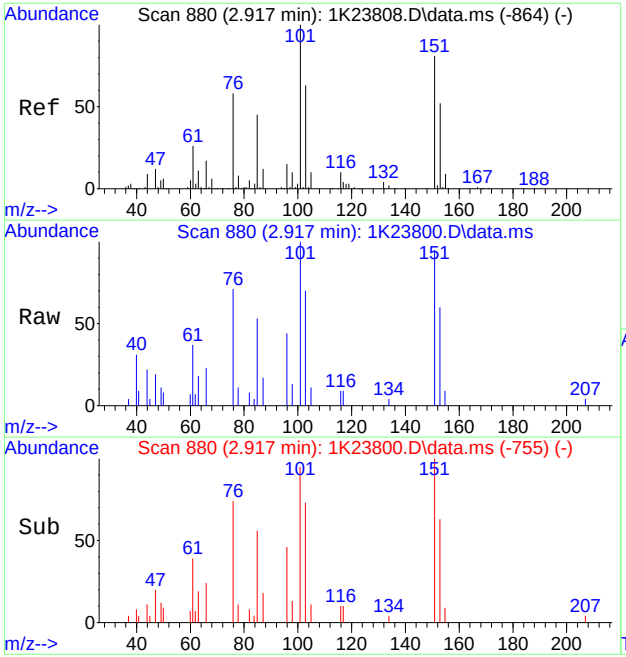


#15
acrolein
Concen: 1.82 ug/L
RT: 3.142 min Scan# 950
Delta R.T. 0.004 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion: 56 Resp: 2893

Ion	Ratio	Lower	Upper
56	100		
55	38.2	30.8	90.8
53	11.5	0.0	35.9

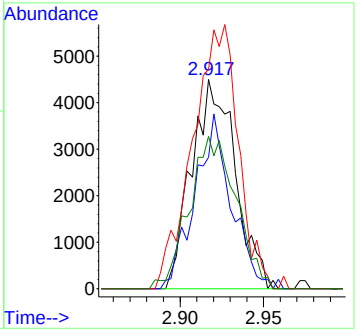


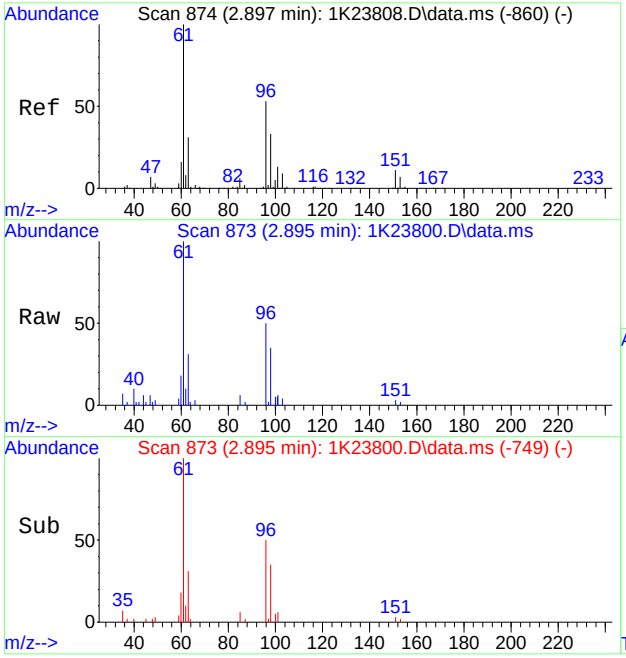


#16
freon 113
Concen: 2.08 ug/L
RT: 2.917 min Scan# 880
Delta R.T. 0.000 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion:151 Resp: 8193

Ion	Ratio	Lower	Upper
151	100		
153	62.7	44.4	84.4
101	98.8	102.8	142.8#
103	72.8	57.7	97.7

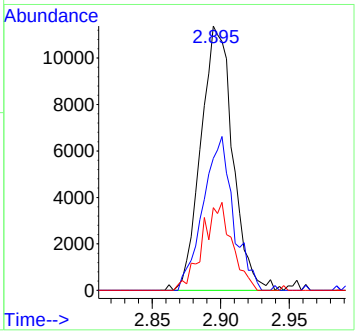


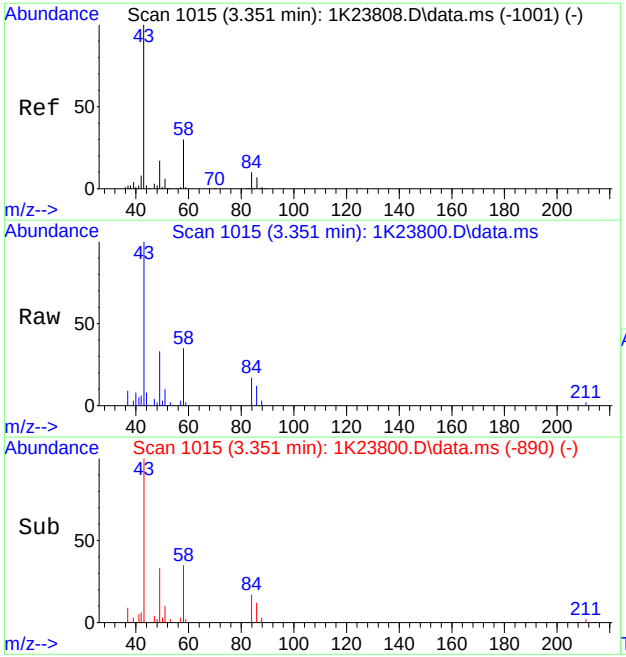


#17
1,1-dichloroethene
Concen: 2.00 ug/L
RT: 2.895 min Scan# 873
Delta R.T. -0.003 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion: 61 Resp: 18370

Ion	Ratio	Lower	Upper
61	100		
96	49.9	23.2	83.2
63	31.3	1.0	61.0

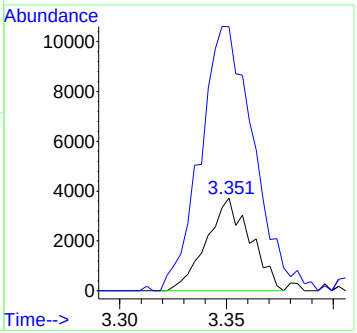


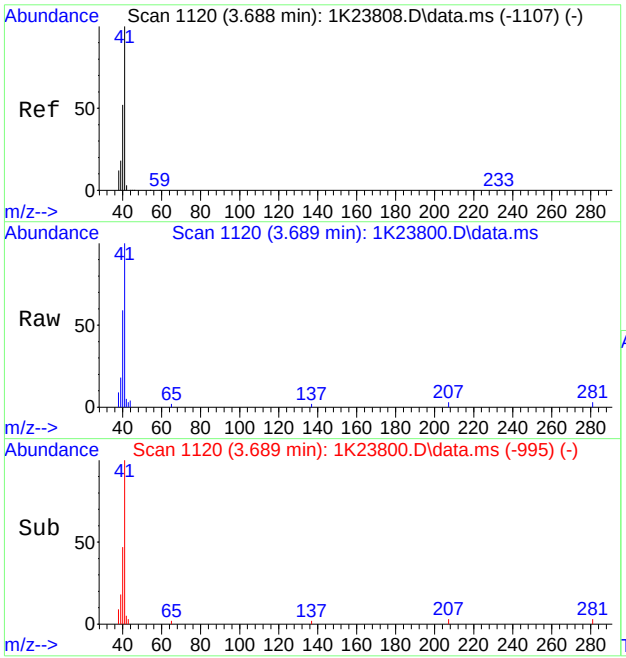


#18
acetone
Concen: 7.51 ug/L
RT: 3.351 min Scan# 1015
Delta R.T. 0.000 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion: 58 Resp: 5314

Ion	Ratio	Lower	Upper
58	100		
43	284.4	300.4	360.4#

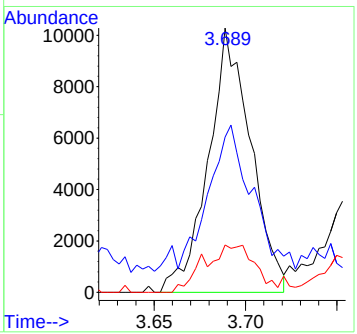


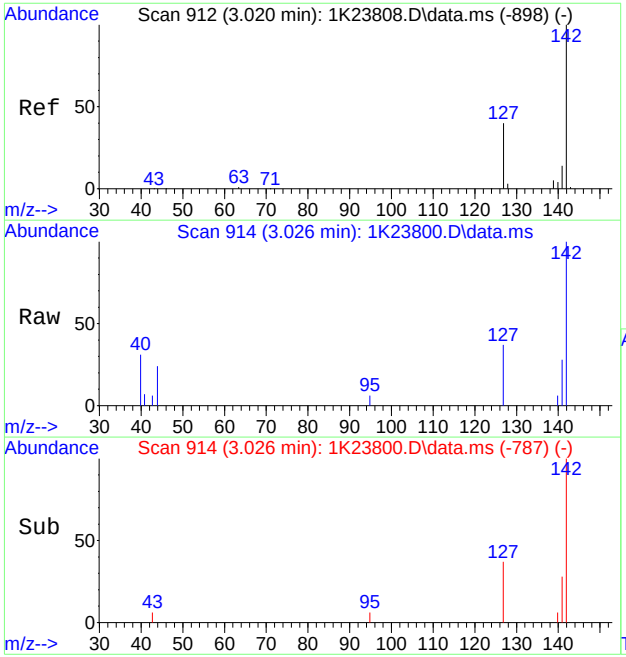


#19
acetonitrile
Concen: 16.78 ug/L
RT: 3.689 min Scan# 1120
Delta R.T. 0.000 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion: 41 Resp: 16633

Ion	Ratio	Lower	Upper
41	100		
40	48.7	21.7	81.7
39	18.0	0.0	47.9

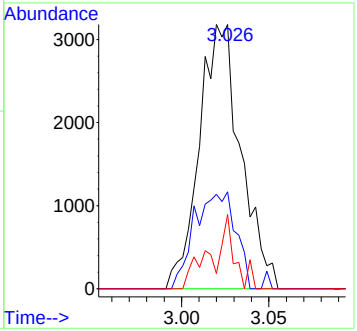


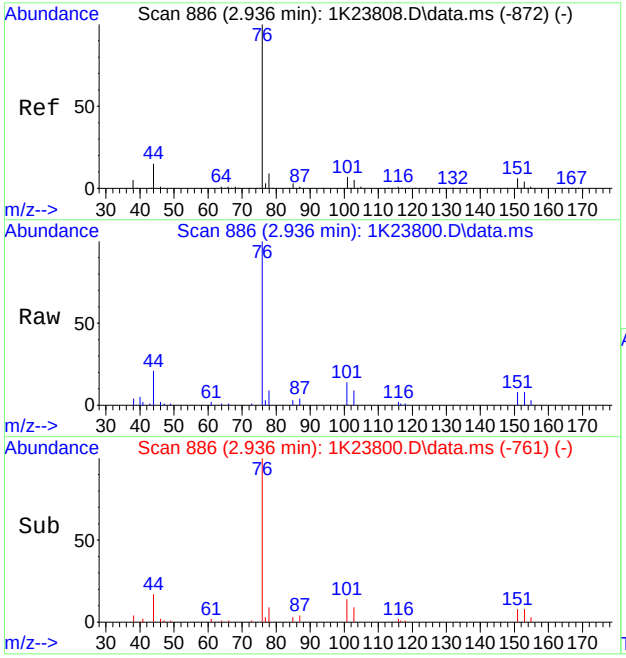


#20
iodomethane
Concen: 0.97 ug/L
RT: 3.026 min Scan# 914
Delta R.T. 0.007 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion:142 Resp: 5278

Ion	Ratio	Lower	Upper
142	100		
127	36.7	9.9	69.9
141	28.2	0.0	44.3

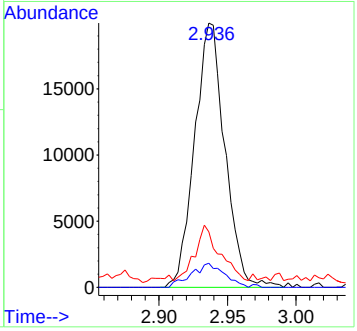


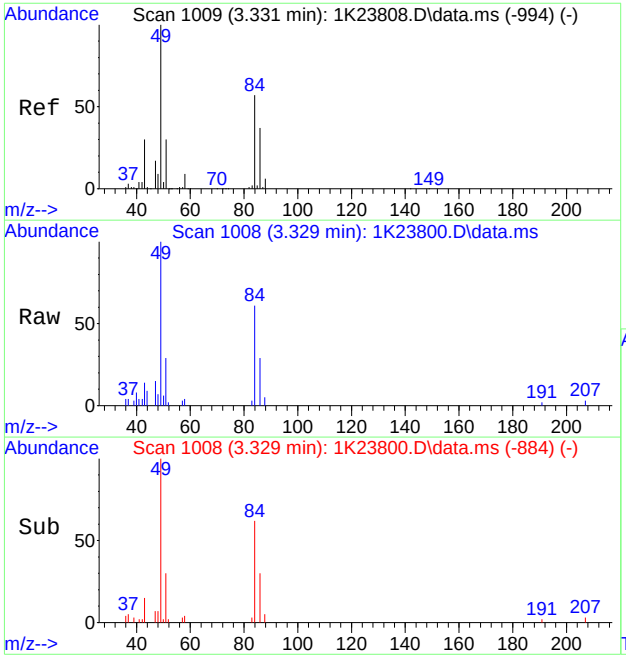


#21
carbon disulfide
Concen: 2.10 ug/L
RT: 2.936 min Scan# 886
Delta R.T. 0.000 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion: 76 Resp: 30700

Ion	Ratio	Lower	Upper
76	100		
78	9.2	0.0	39.5
44	18.4	0.0	44.8

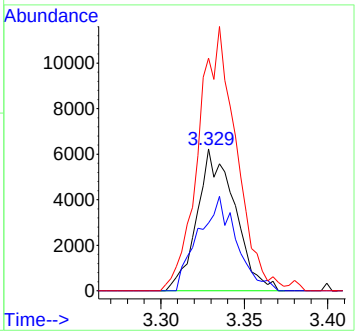


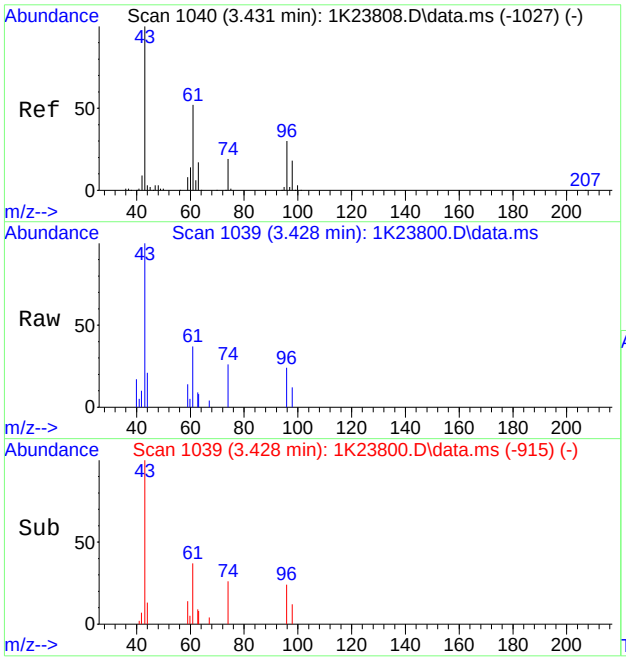


#22
methylene chloride
Concen: 1.92 ug/L
RT: 3.329 min Scan# 1008
Delta R.T. -0.003 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion: 84 Resp: 9813

Ion	Ratio	Lower	Upper
84	100		
86	47.8	35.3	95.3
49	164.0	144.8	204.8

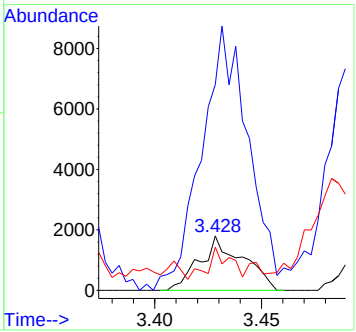


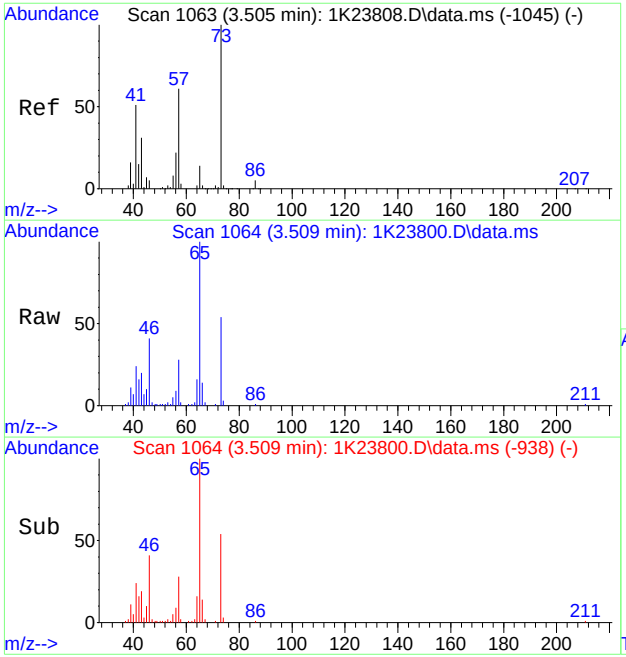


#23
methyl acetate
Concen: 2.18 ug/L
RT: 3.428 min Scan# 1039
Delta R.T. -0.003 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion: 74 Resp: 2528

Ion	Ratio	Lower	Upper
74	100		
43	353.2	491.2	551.2#
44	50.7	0.0	44.3#

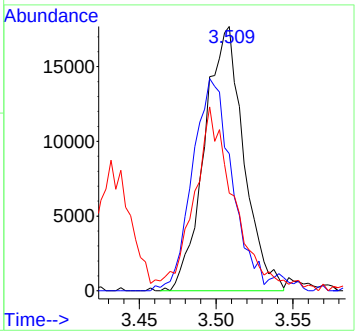


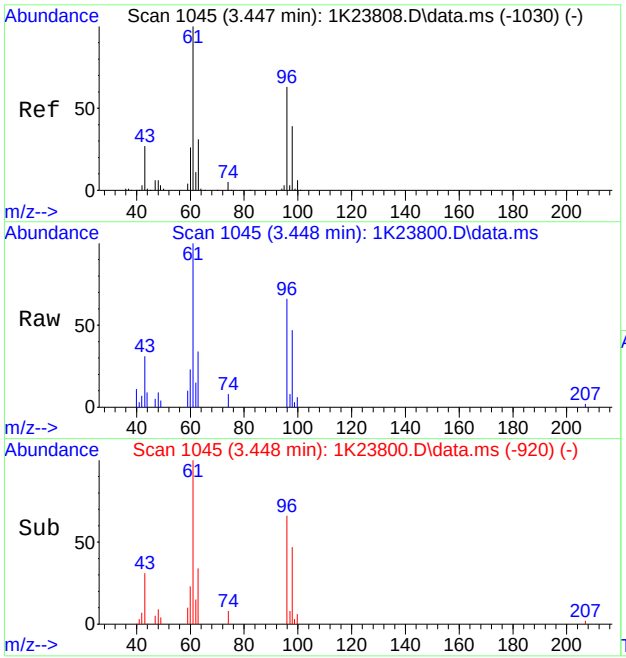


#24
methyl tert butyl ether
Concen: 1.84 ug/L
RT: 3.509 min Scan# 1064
Delta R.T. 0.004 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion: 73 Resp: 31415

Ion	Ratio	Lower	Upper
73	100		
57	50.6	30.7	90.7
43	33.2	18.2	78.2

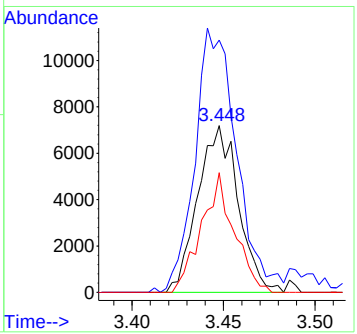


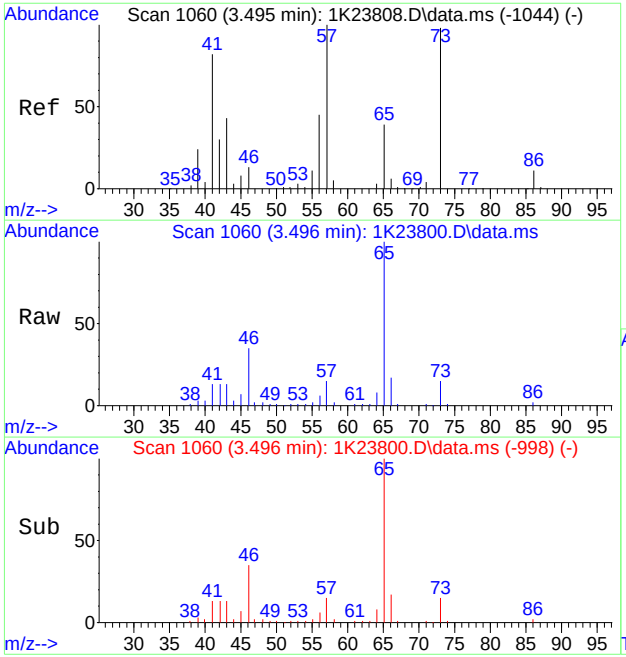


#25
trans-1,2-dichloroethene
Concen: 2.03 ug/L
RT: 3.448 min Scan# 1045
Delta R.T. 0.000 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion: 96 Resp: 11092

Ion	Ratio	Lower	Upper
96	100		
61	151.1	128.8	188.8
98	71.7	32.4	92.4

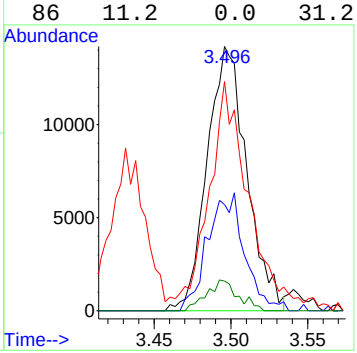


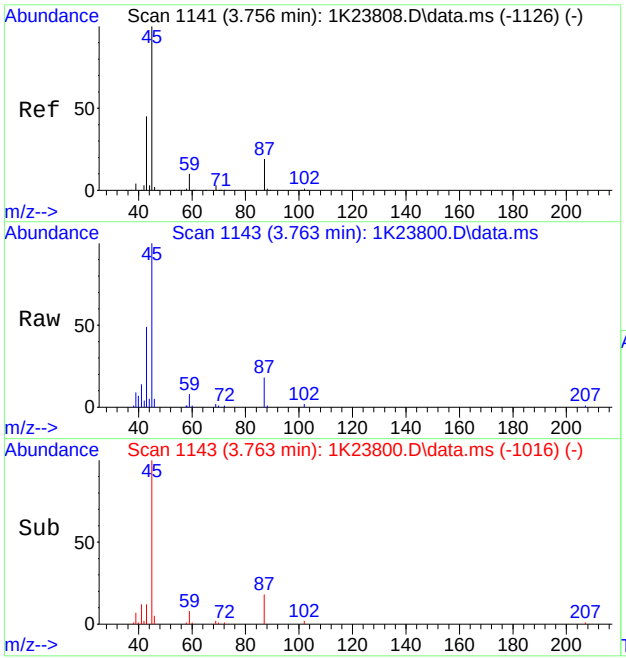


#26
hexane
Concen: 1.82 ug/L
RT: 3.496 min Scan# 1060
Delta R.T. 0.000 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion: 57 Resp: 25493

Ion	Ratio	Lower	Upper
57	100		
56	40.2	24.9	64.9
43	77.7	50.9	90.9
86	11.2	0.0	31.2

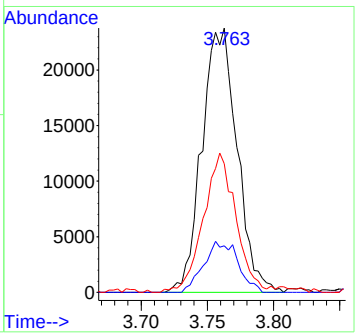


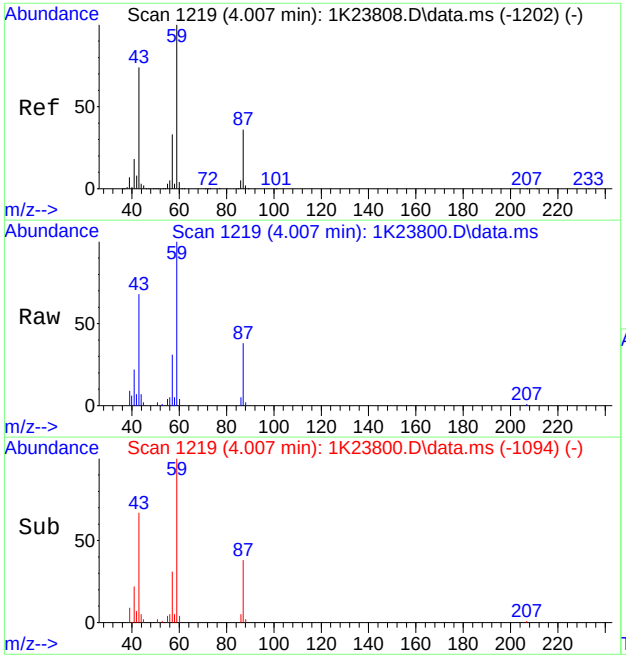


#27
di-isopropyl ether
Concen: 1.90 ug/L
RT: 3.763 min Scan# 1143
Delta R.T. 0.007 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion: 45 Resp: 43850

Ion	Ratio	Lower	Upper
45	100		
87	17.7	0.0	48.8
43	48.6	14.9	74.9

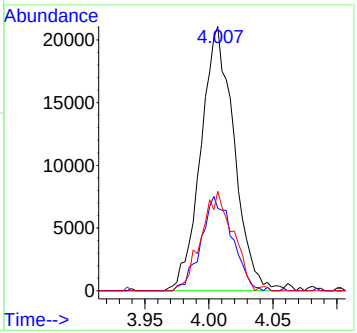


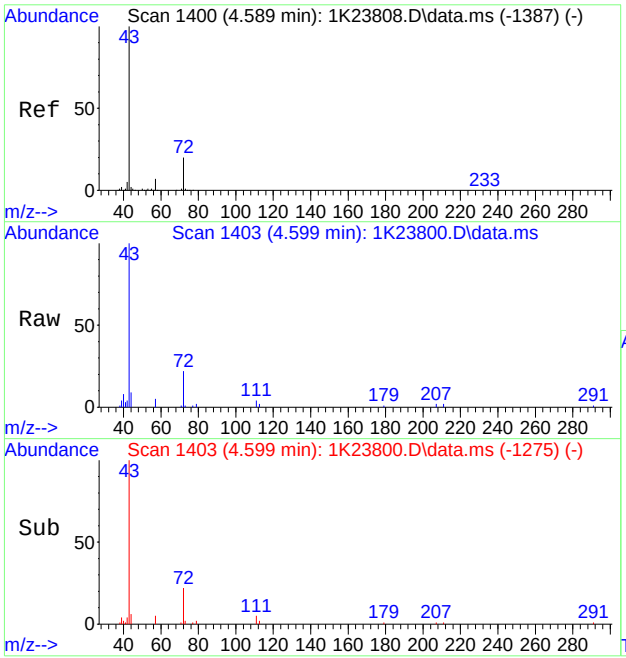


#28
ethyl tert-butyl ether
Concen: 1.87 ug/L
RT: 4.007 min Scan# 1219
Delta R.T. 0.000 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion: 59 Resp: 38119

Ion	Ratio	Lower	Upper
59	100		
57	31.2	2.6	62.6
87	37.7	5.8	65.8

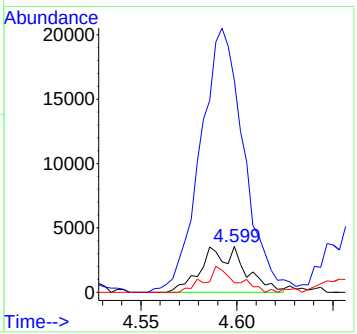


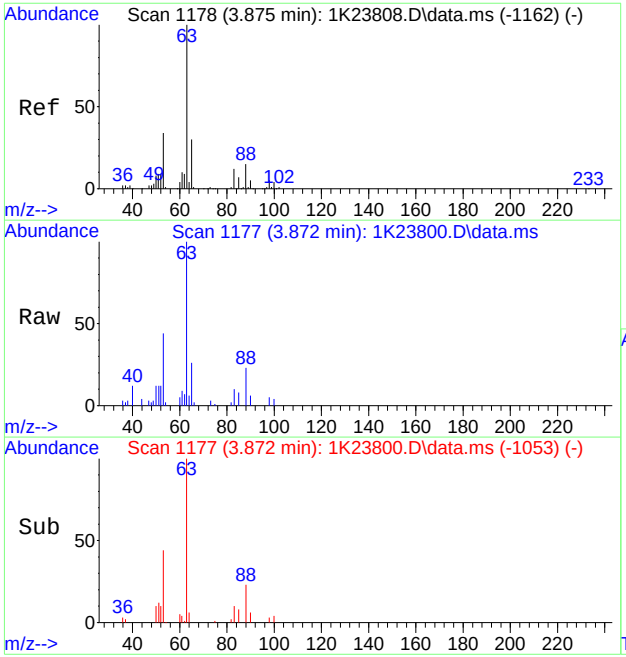


#29
2-butanone
Concen: 5.48 ug/L
RT: 4.599 min Scan# 1403
Delta R.T. 0.010 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion: 72 Resp: 5528

Ion	Ratio	Lower	Upper
72	100		
43	452.2	475.4	535.4#
57	21.0	5.7	65.7

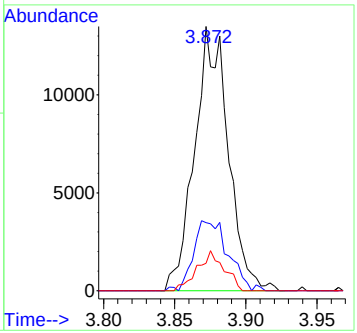


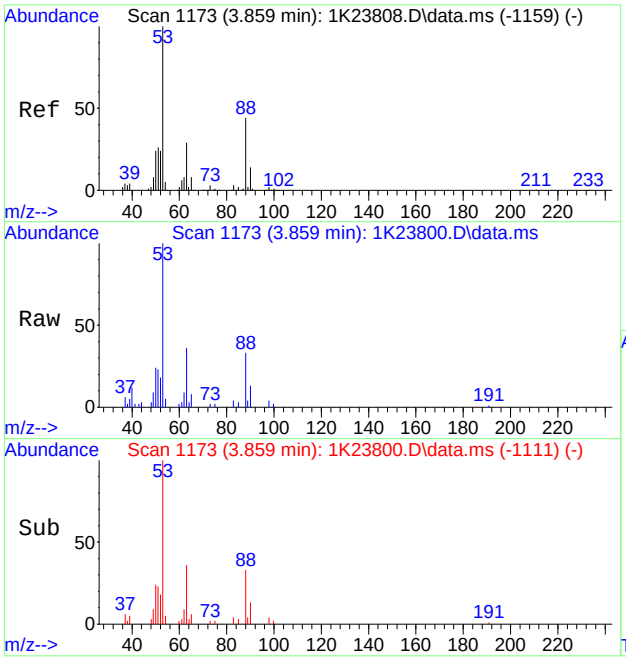


#30
1,1-dichloroethane
Concen: 2.14 ug/L
RT: 3.872 min Scan# 1177
Delta R.T. -0.003 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion: 63 Resp: 22153

Ion	Ratio	Lower	Upper
63	100		
65	25.8	0.2	60.2
83	10.4	0.0	42.0

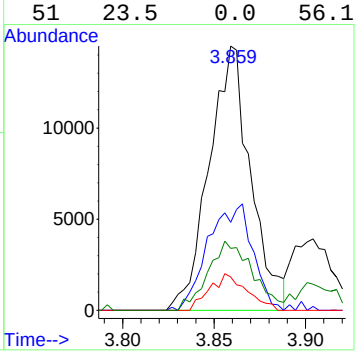


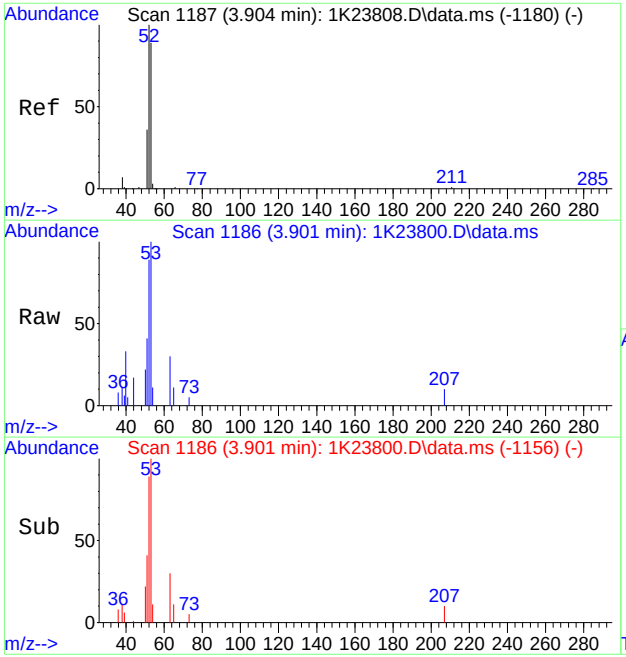


#31
chloroprene
Concen: 1.96 ug/L
RT: 3.859 min Scan# 1173
Delta R.T. 0.000 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion: 53 Resp: 22979

Ion	Ratio	Lower	Upper
53	100		
88	33.3	13.8	73.8
90	12.7	0.0	44.2
51	23.5	0.0	56.1

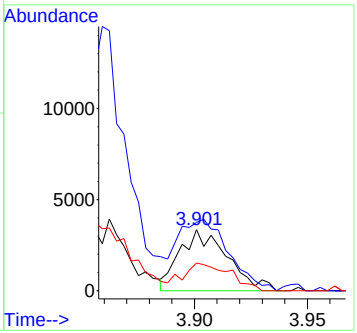


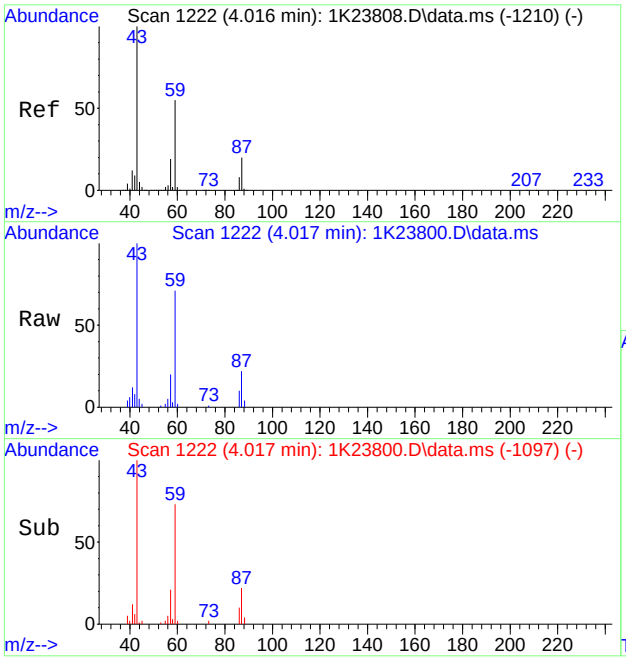


#32
acrylonitrile
Concen: 1.84 ug/L
RT: 3.901 min Scan# 1186
Delta R.T. -0.003 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion: 52 Resp: 4918

Ion	Ratio	Lower	Upper
52	100		
53	104.9	99.5	159.5
51	45.4	13.8	73.8

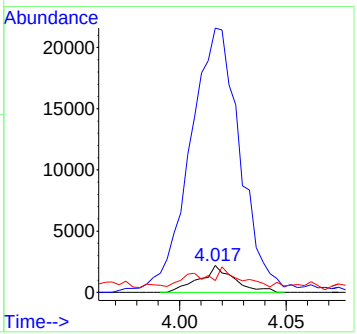


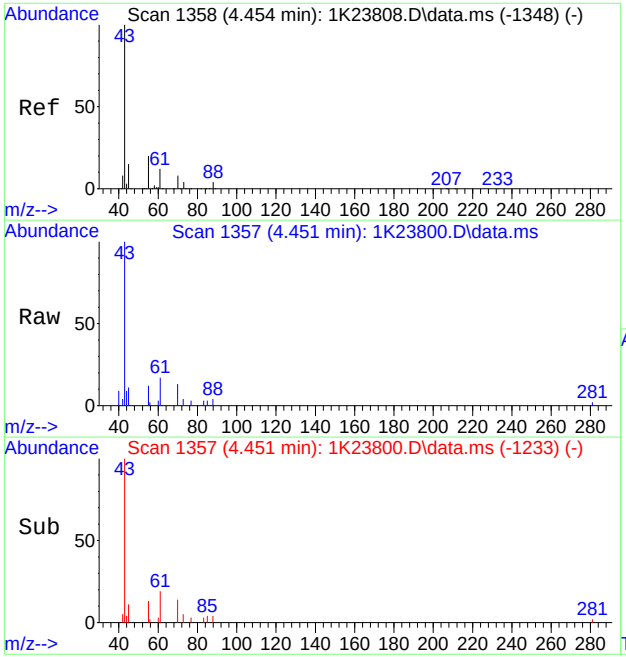


#33
vinyl acetate
Concen: 1.76 ug/L
RT: 4.017 min Scan# 1222
Delta R.T. 0.000 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion: 86 Resp: 2488

Ion	Ratio	Lower	Upper
86	100		
43	963.3	1252.8	1312.8#
44	20.6	39.9	99.9#

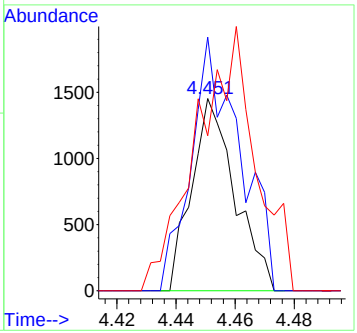


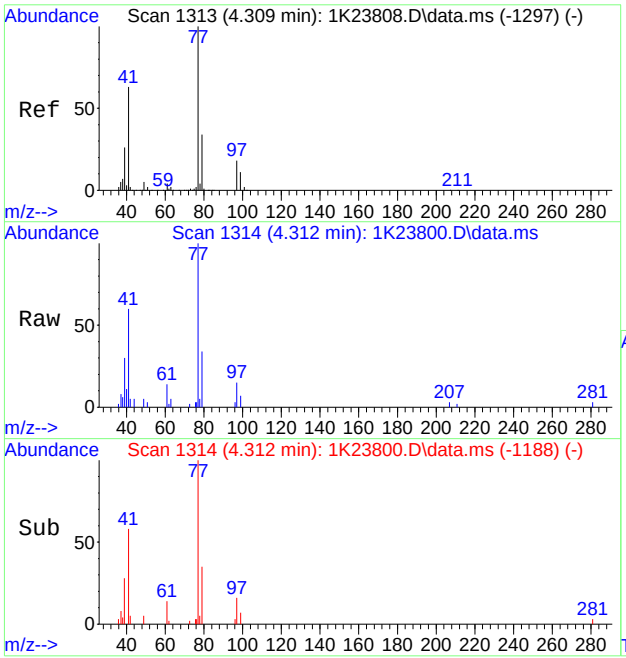


#34
ethyl acetate
Concen: 1.87 ug/L
RT: 4.451 min Scan# 1357
Delta R.T. -0.003 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion: 70 Resp: 1484

Ion	Ratio	Lower	Upper
70	100		
61	131.9	124.4	184.4
45	65.3	156.4	216.4#

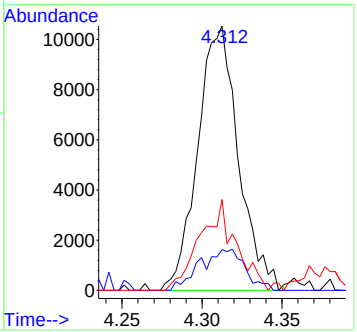


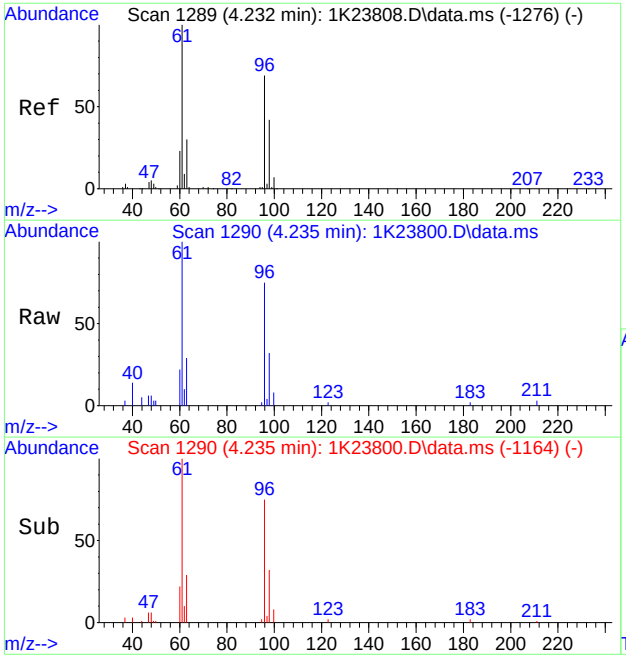


#35
2,2-dichloropropane
Concen: 2.07 ug/L
RT: 4.312 min Scan# 1314
Delta R.T. 0.004 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion: 77 Resp: 18689

Ion	Ratio	Lower	Upper
77	100		
97	15.4	0.0	47.6
79	34.3	3.7	63.7

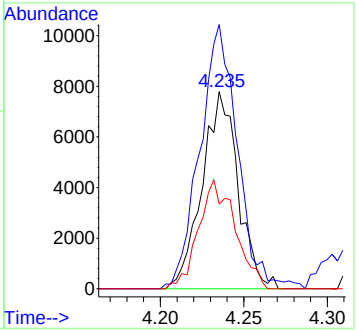


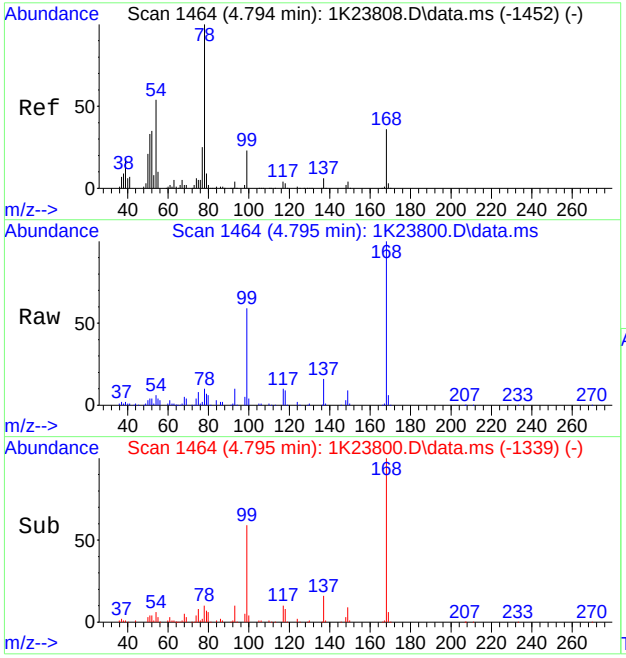


#36
cis-1,2-dichloroethene
Concen: 2.15 ug/L
RT: 4.235 min Scan# 1290
Delta R.T. 0.004 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion: 96 Resp: 11687

Ion	Ratio	Lower	Upper
96	100		
61	134.0	114.3	174.3
98	42.9	30.5	90.5

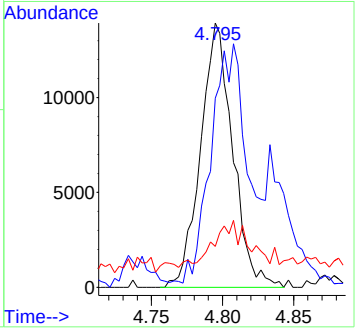


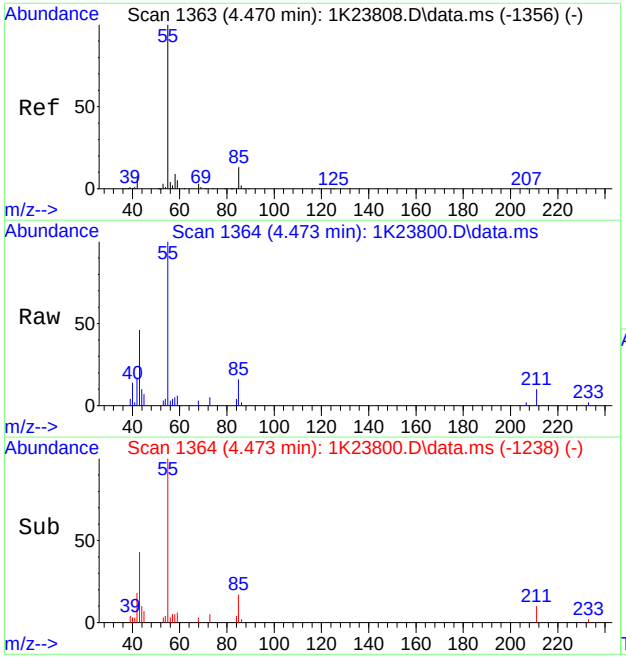


#37
propionitrile
Concen: 18.59 ug/L
RT: 4.795 min Scan# 1464
Delta R.T. 0.000 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion: 54 Resp: 21876

Ion	Ratio	Lower	Upper
54	100		
55	68.8	0.0	50.4#
40	7.3	0.0	41.8

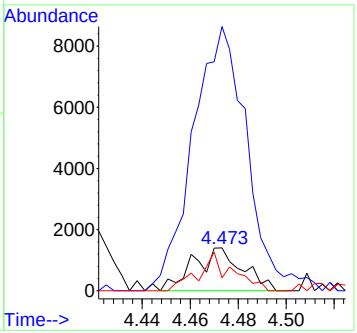


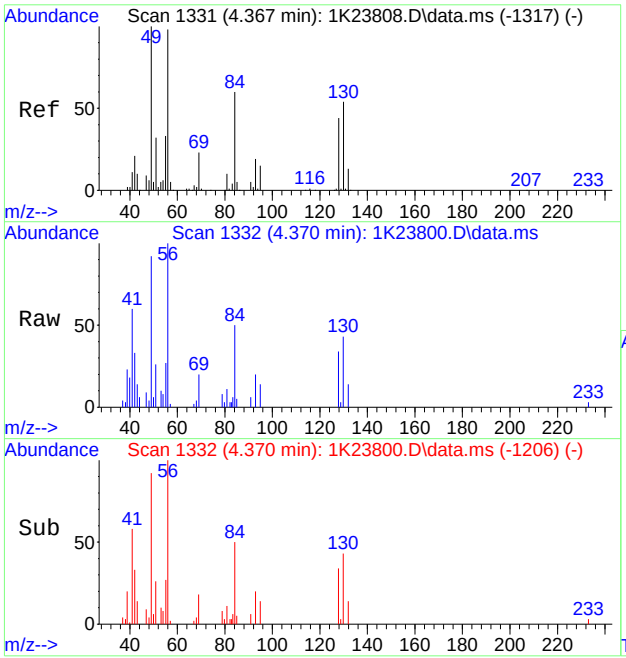


#38
methyl acrylate
Concen: 1.70 ug/L
RT: 4.473 min Scan# 1364
Delta R.T. 0.004 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion: 85 Resp: 1994

Ion	Ratio	Lower	Upper
85	100		
55	584.0	717.8	757.8#
58	30.0	42.6	82.6#

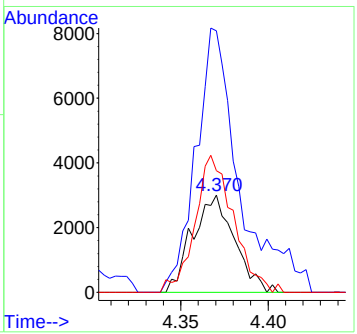


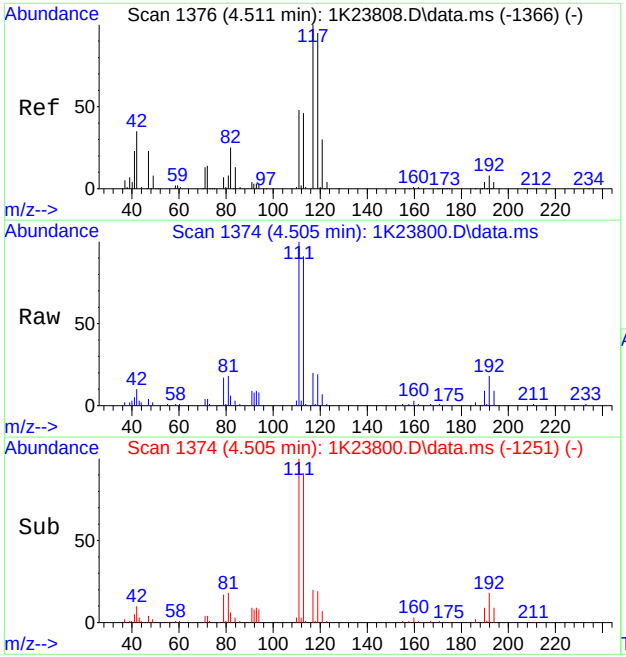


#39
bromochloromethane
Concen: 1.98 ug/L
RT: 4.370 min Scan# 1332
Delta R.T. 0.004 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion:128 Resp: 5030

Ion	Ratio	Lower	Upper
128	100		
49	269.1	195.5	255.5#
130	125.2	92.1	152.1

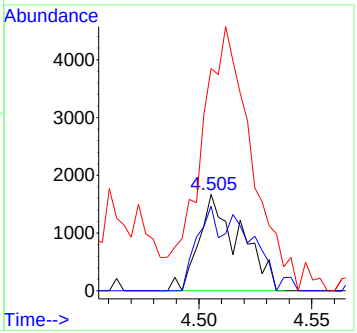


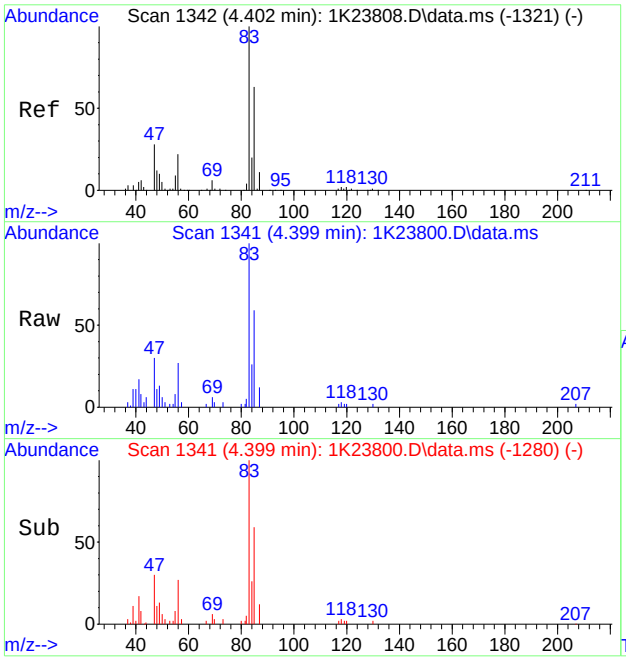


#40
tetrahydrofuran
Concen: 2.25 ug/L
RT: 4.505 min Scan# 1374
Delta R.T. -0.006 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion: 71 Resp: 2117

Ion	Ratio	Lower	Upper
71	100		
72	87.8	76.4	136.4
42	205.4	297.7	357.7#

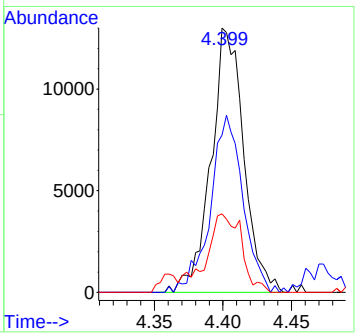


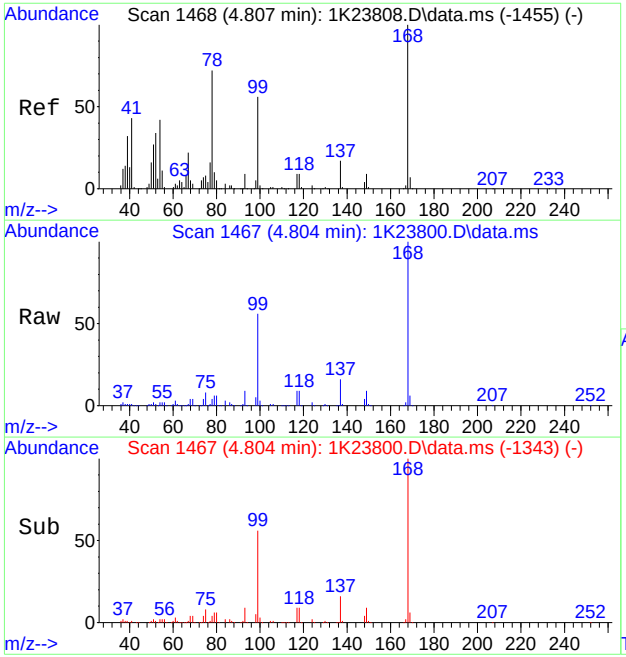


#41
chloroform
Concen: 2.00 ug/L
RT: 4.399 min Scan# 1341
Delta R.T. -0.003 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion: 83 Resp: 21587

Ion	Ratio	Lower	Upper
83	100		
85	59.4	33.4	93.4
47	29.7	0.0	58.3

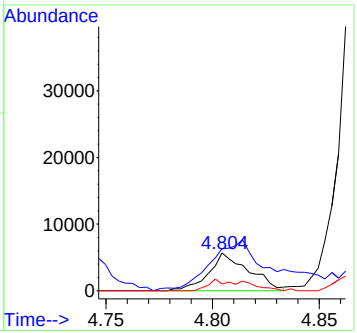


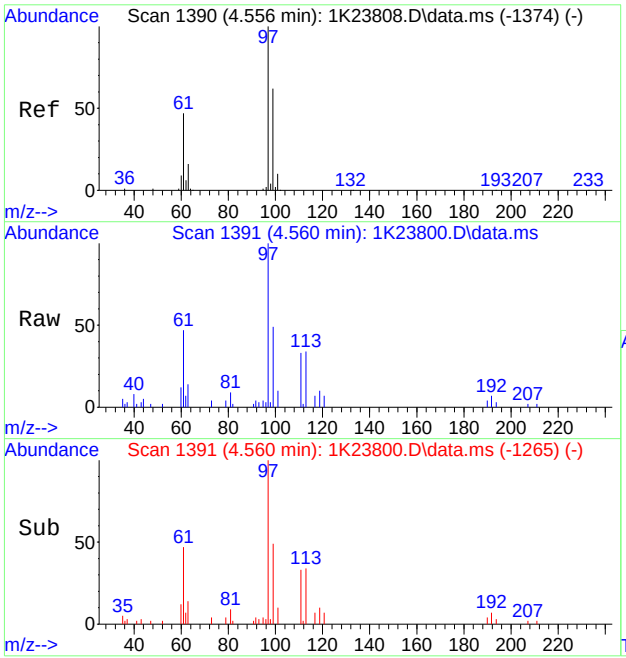


#43
methacrylonitrile
Concen: 2.40 ug/L
RT: 4.804 min Scan# 1467
Delta R.T. -0.003 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion: 67 Resp: 7437

Ion	Ratio	Lower	Upper
67	100		
41	105.2	161.1	221.1#
66	17.6	3.7	63.7

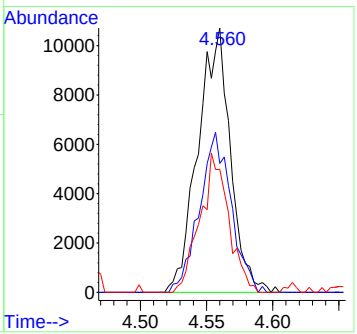


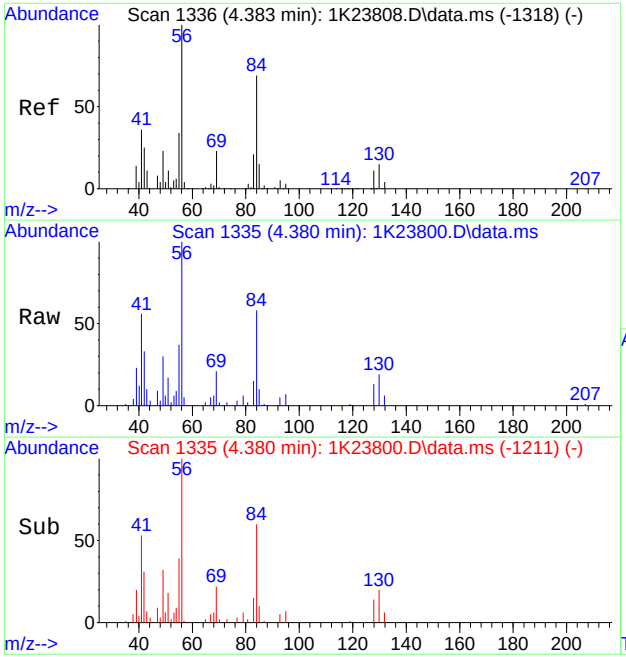


#44
1,1,1-trichloroethane
Concen: 2.09 ug/L
RT: 4.560 min Scan# 1391
Delta R.T. 0.004 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion: 97 Resp: 18267

Ion	Ratio	Lower	Upper
97	100		
99	48.7	32.1	92.1
61	46.5	16.3	76.3

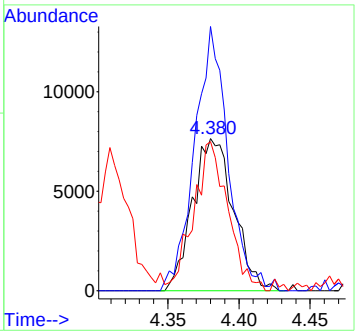


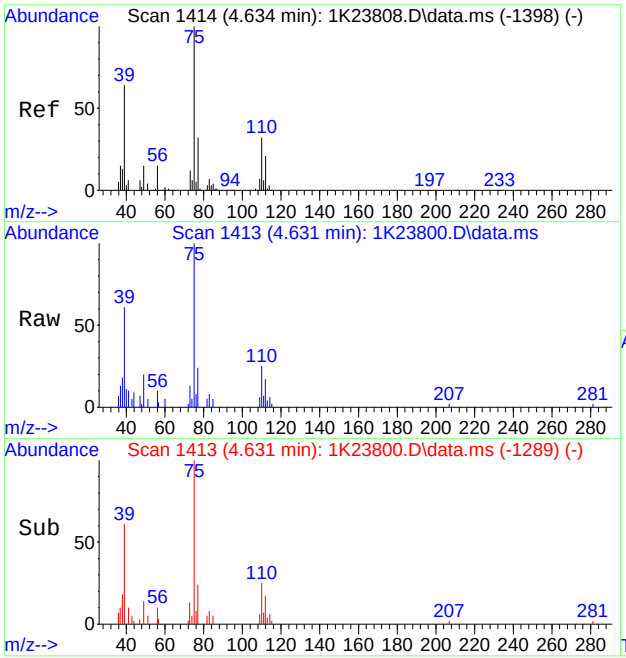


#45
cyclohexane
Concen: 2.07 ug/L
RT: 4.380 min Scan# 1335
Delta R.T. -0.003 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion: 84 Resp: 15342

Ion	Ratio	Lower	Upper
84	100		
56	173.6	124.1	164.1#
41	93.6	58.3	98.3

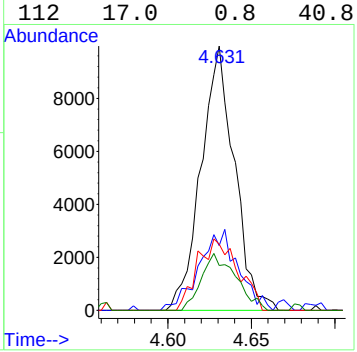


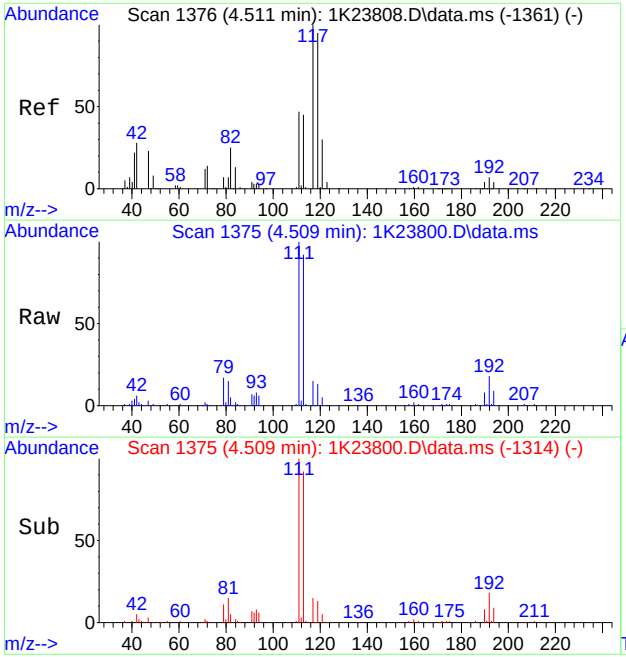


#46
1,1-dichloropropene
Concen: 1.77 ug/L
RT: 4.631 min Scan# 1413
Delta R.T. -0.003 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion: 75 Resp: 13875

Ion	Ratio	Lower	Upper
75	100		
77	24.5	12.0	52.0
110	25.0	12.3	52.3
112	17.0	0.8	40.8

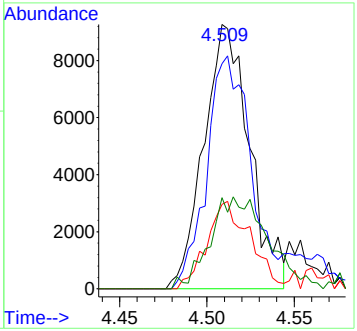


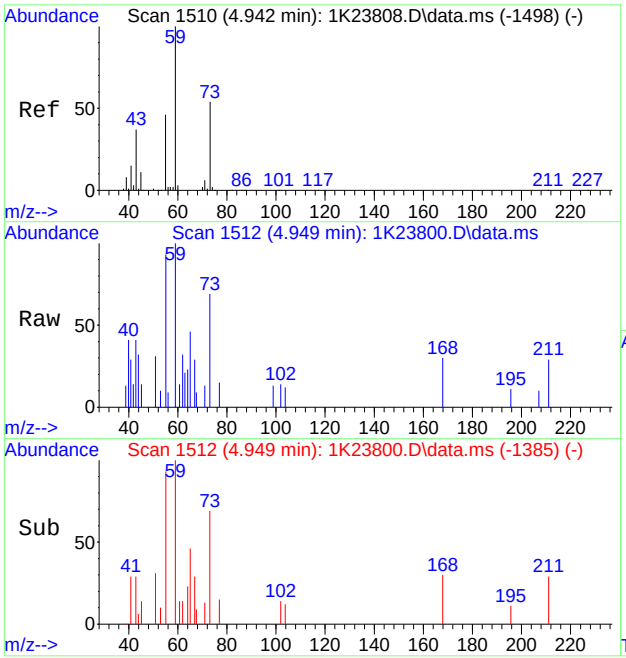


#47
carbon tetrachloride
Concen: 1.93 ug/L
RT: 4.509 min Scan# 1375
Delta R.T. -0.003 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion:117 Resp: 16869

Ion	Ratio	Lower	Upper
117	100		
119	85.1	74.6	114.6
121	31.9	9.9	49.9
82	34.4	5.1	45.1

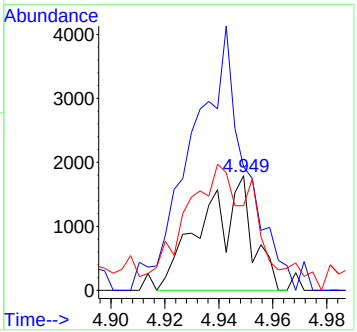


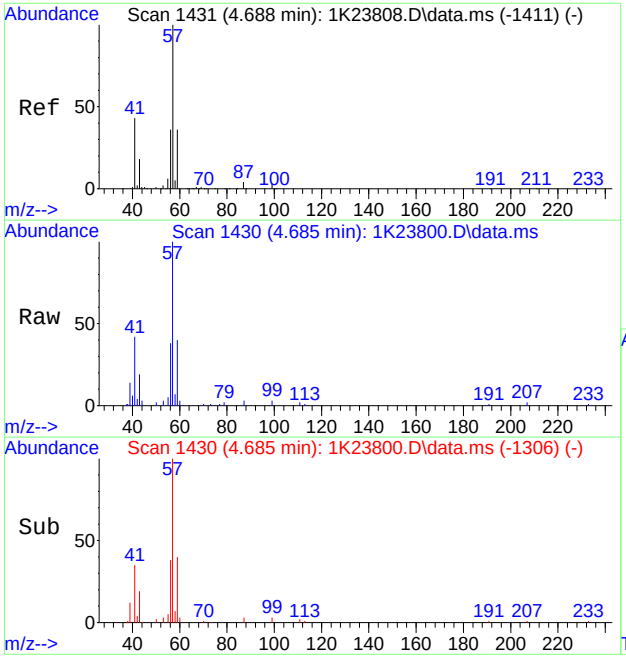


#49
tert-amyl alcohol
Concen: 7.64 ug/L m
RT: 4.949 min Scan# 1512
Delta R.T. 0.007 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion: 55 Resp: 2271

Ion	Ratio	Lower	Upper
55	100		
59	107.9	194.2	234.2#
73	73.9	101.1	141.1#

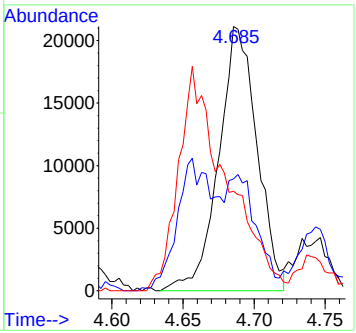


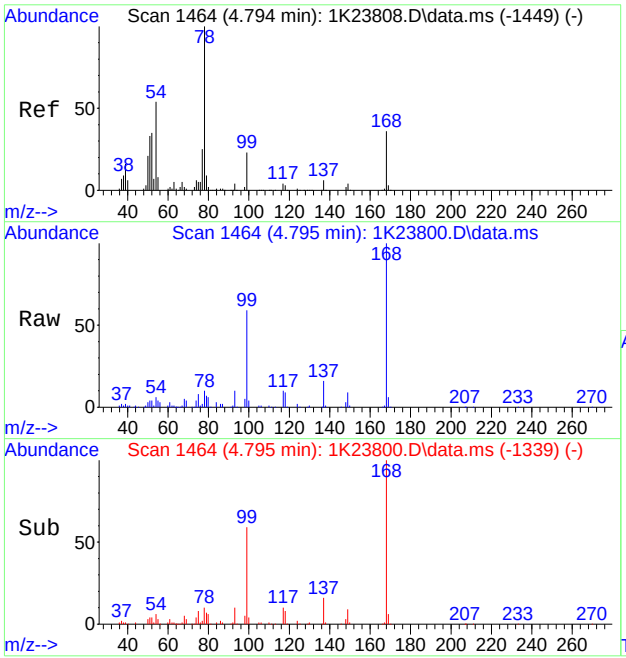


#52
iso-octane
Concen: 1.92 ug/L
RT: 4.685 min Scan# 1430
Delta R.T. -0.003 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion: 57 Resp: 39733

Ion	Ratio	Lower	Upper
57	100		
41	37.1	22.7	62.7
56	34.3	16.1	56.1

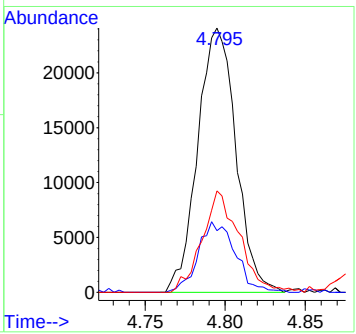


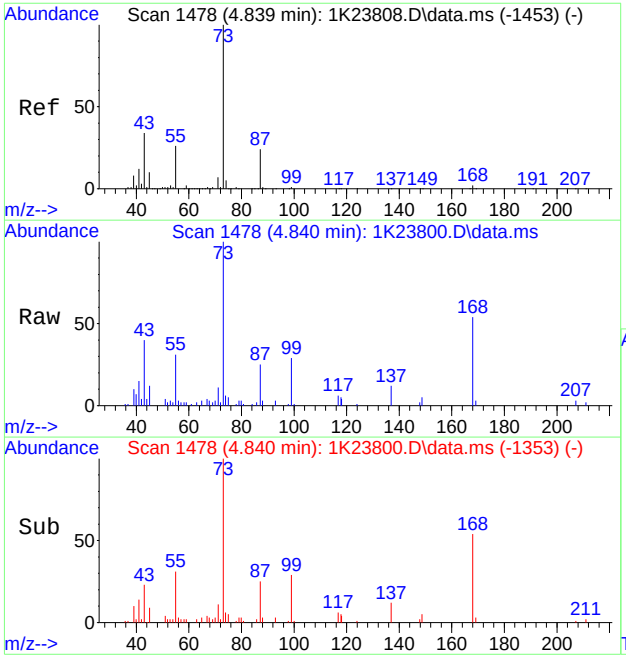


#53
benzene
Concen: 1.90 ug/L
RT: 4.795 min Scan# 1464
Delta R.T. 0.000 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion: 78 Resp: 40113

Ion	Ratio	Lower	Upper
78	100		
77	23.4	0.0	54.5
52	38.4	5.0	65.0

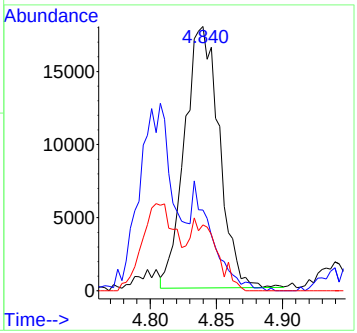


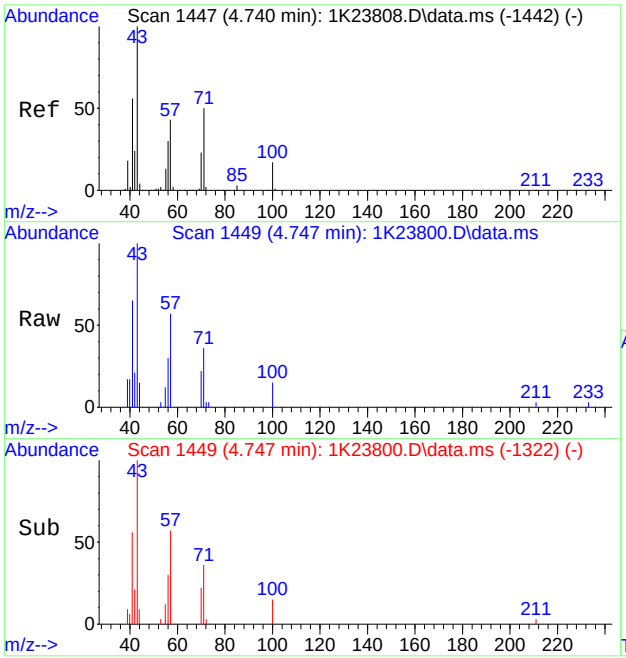


#54
tert-amyl methyl ether
Concen: 1.85 ug/L
RT: 4.840 min Scan# 1478
Delta R.T. 0.000 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion: 73 Resp: 32412

Ion	Ratio	Lower	Upper
73	100		
55	31.0	7.0	47.0
87	25.3	4.4	44.4

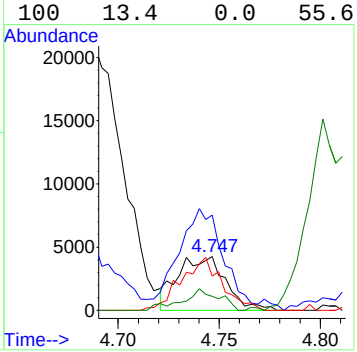


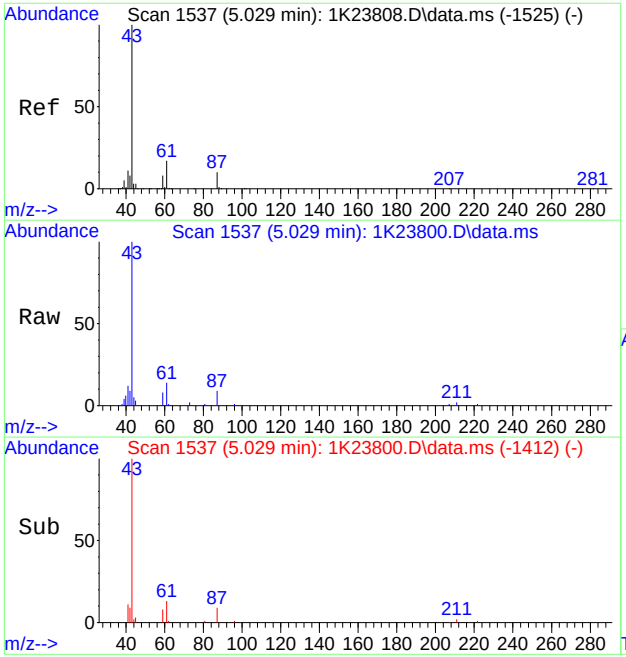


#55
heptane
Concen: 2.26 ug/L
RT: 4.747 min Scan# 1449
Delta R.T. 0.007 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion: 57 Resp: 7022

Ion	Ratio	Lower	Upper
57	100		
43	176.9	165.6	225.6
71	63.5	61.2	121.2
100	13.4	0.0	55.6

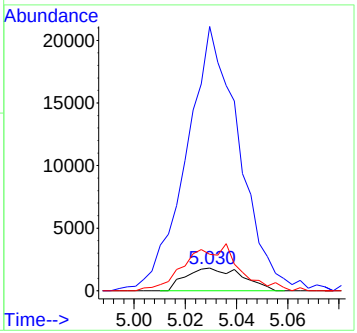


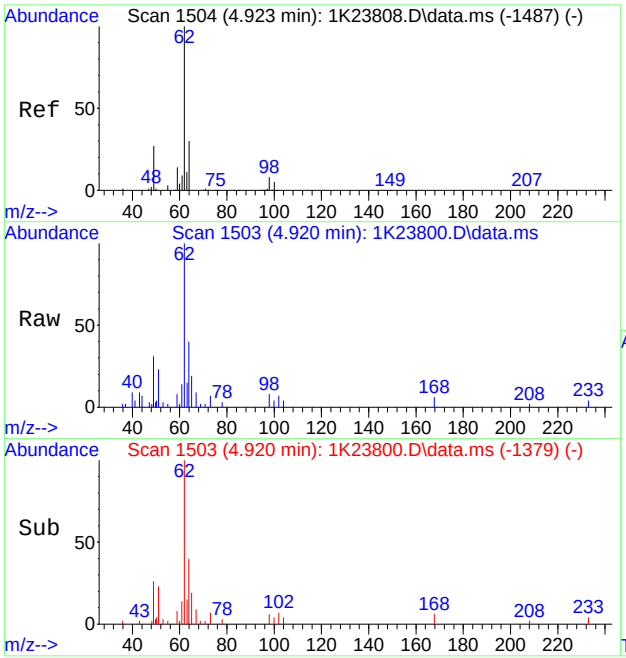


#56
isopropyl acetate
Concen: 1.76 ug/L
RT: 5.029 min Scan# 1537
Delta R.T. 0.000 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion: 87 Resp: 2795

Ion	Ratio	Lower	Upper
87	100		
43	1113.8	998.2	1058.2#
61	146.1	147.0	207.0#

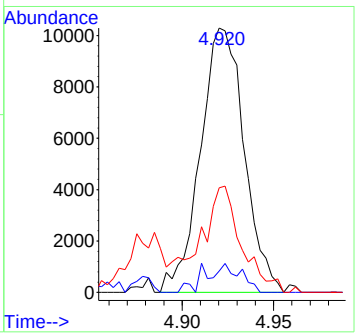


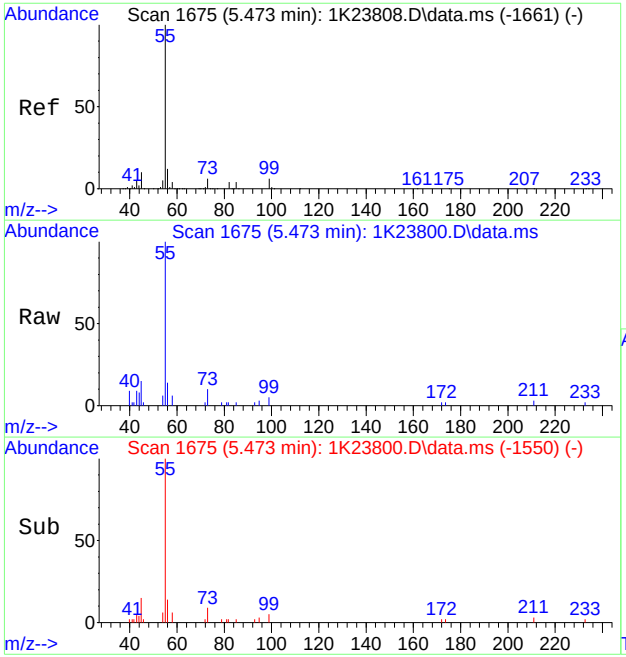


#57
1,2-dichloroethane
Concen: 1.95 ug/L
RT: 4.920 min Scan# 1503
Delta R.T. -0.003 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion: 62 Resp: 17196

Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	38.3
64	39.5	0.4	60.4

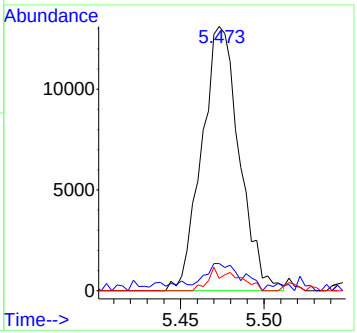


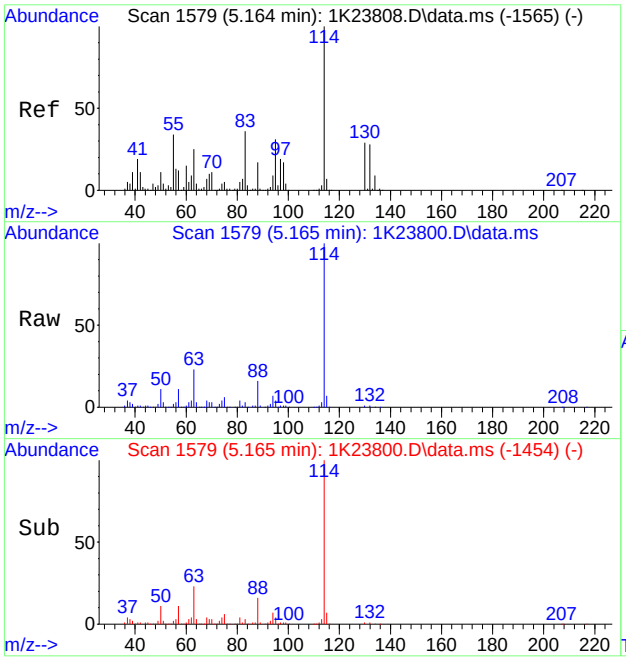


#59
ethyl acrylate
Concen: 2.01 ug/L
RT: 5.473 min Scan# 1675
Delta R.T. 0.000 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion: 55 Resp: 20525

Ion	Ratio	Lower	Upper
55	100		
73	8.3	0.0	35.8
99	4.7	0.0	35.9

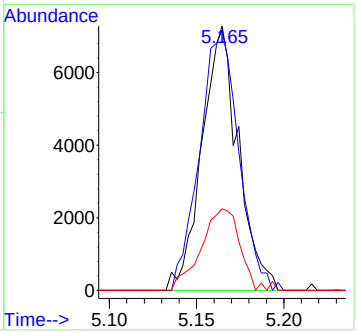


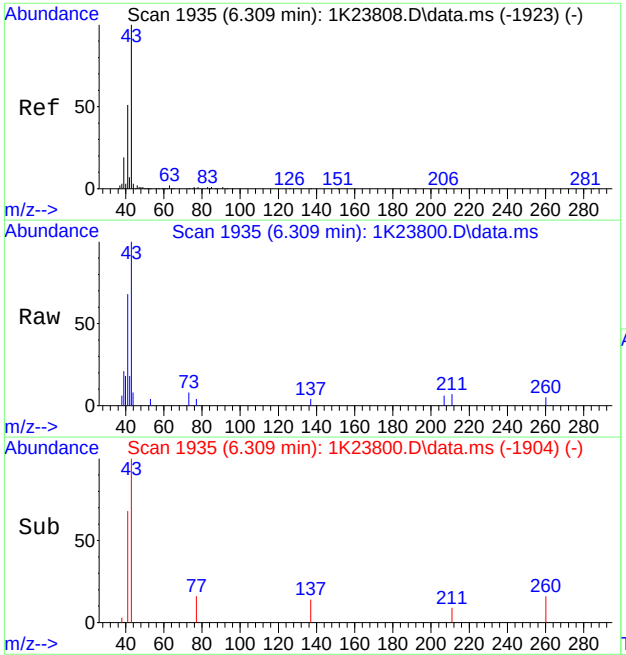


#60
trichloroethene
Concen: 2.06 ug/L
RT: 5.165 min Scan# 1579
Delta R.T. 0.000 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion:130 Resp: 10554

Ion	Ratio	Lower	Upper
130	100		
132	98.2	66.4	126.4
134	30.8	0.0	59.6

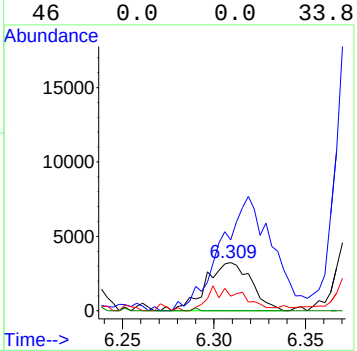


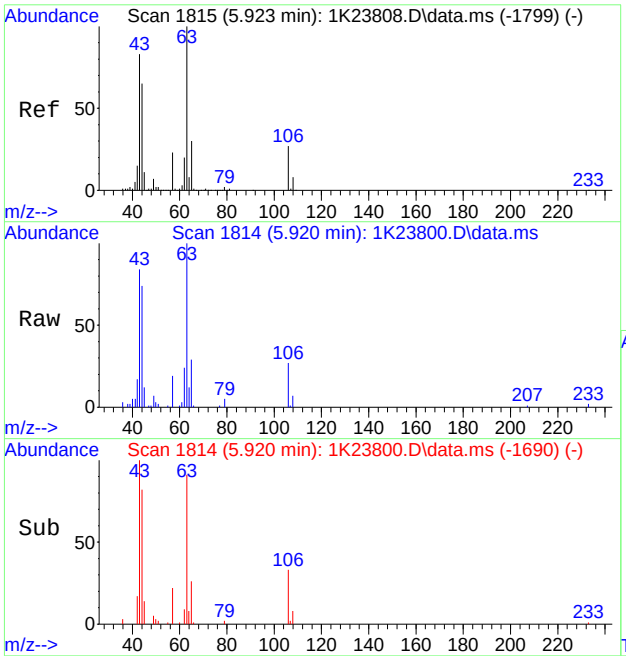


#61
2-nitropropane
Concen: 2.27 ug/L
RT: 6.309 min Scan# 1935
Delta R.T. 0.000 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion: 41 Resp: 5648

Ion	Ratio	Lower	Upper
41	100		
43	147.3	164.7	224.7#
39	19.2	6.3	66.3
46	0.0	0.0	33.8

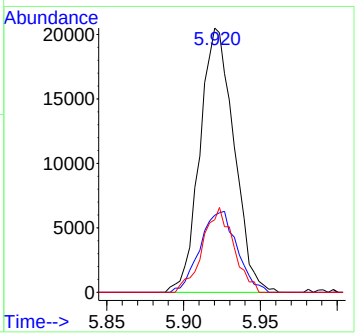


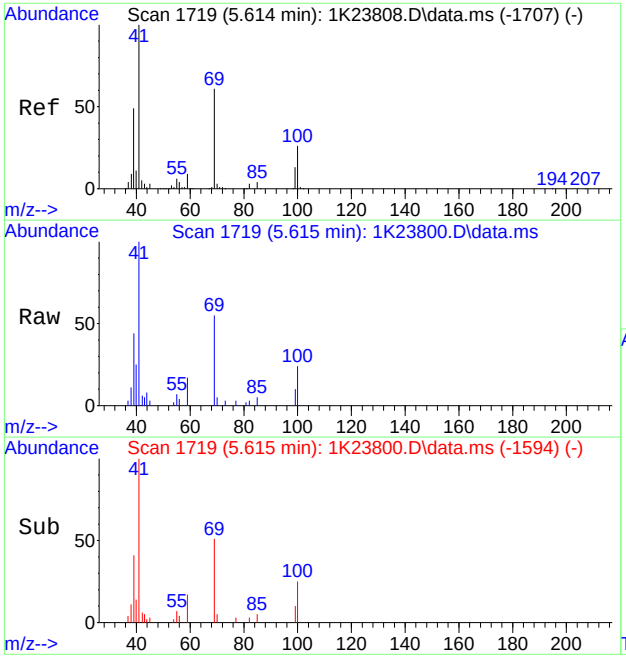


#62
2-chloroethyl vinyl ether
Concen: 8.33 ug/L
RT: 5.920 min Scan# 1814
Delta R.T. -0.003 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion: 63 Resp: 31731

Ion	Ratio	Lower	Upper
63	100		
65	29.1	0.4	60.4
106	27.4	0.0	57.4

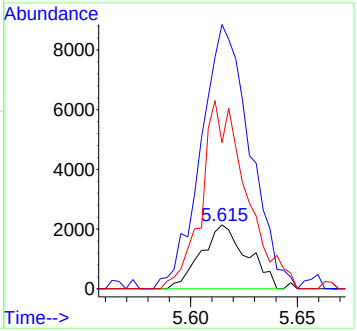


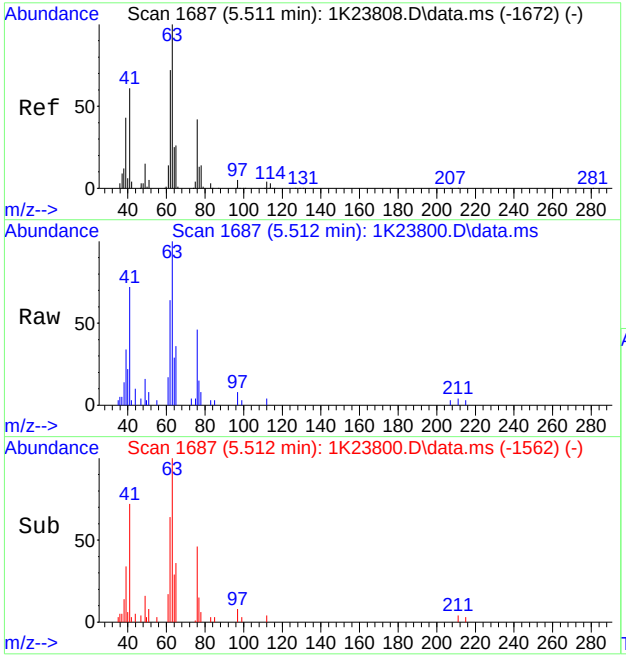


#63
methyl methacrylate
Concen: 1.77 ug/L
RT: 5.615 min Scan# 1719
Delta R.T. 0.000 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion:100 Resp: 3198

Ion	Ratio	Lower	Upper
100	100		
41	398.0	352.7	412.7
69	228.7	201.8	261.8

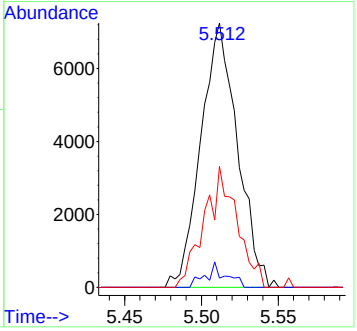


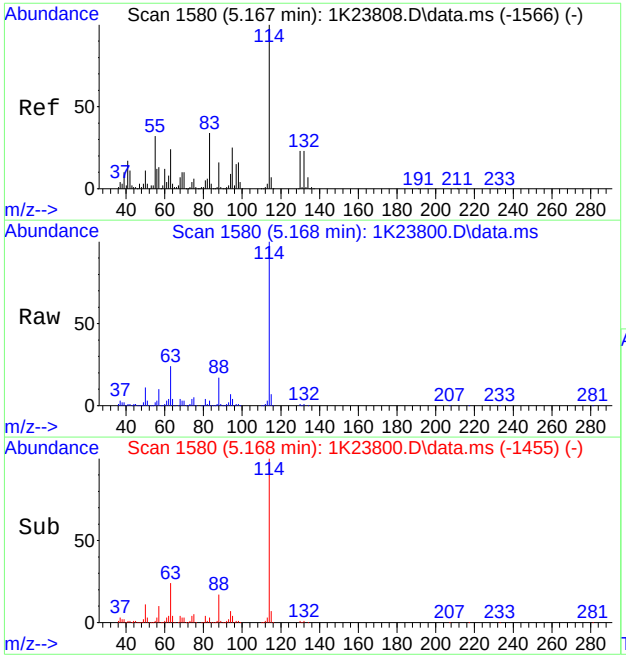


#64
1,2-dichloropropane
Concen: 2.08 ug/L
RT: 5.512 min Scan# 1687
Delta R.T. 0.000 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion: 63 Resp: 12020

Ion	Ratio	Lower	Upper
63	100		
112	3.5	0.0	34.3
76	45.8	11.5	71.5

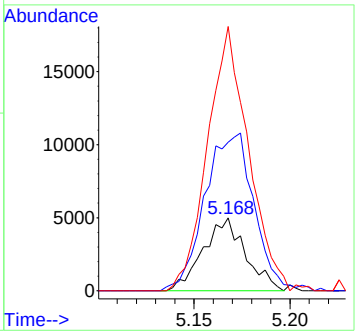


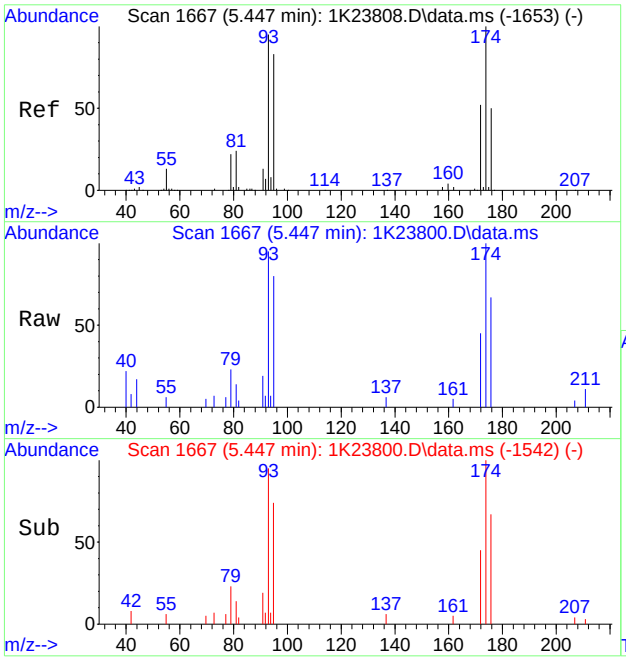


#65
methylcyclohexane
Concen: 1.96 ug/L
RT: 5.168 min Scan# 1580
Delta R.T. 0.000 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion: 98 Resp: 7650

Ion	Ratio	Lower	Upper
98	100		
55	203.9	162.4	222.4
83	363.2	177.4	237.4#

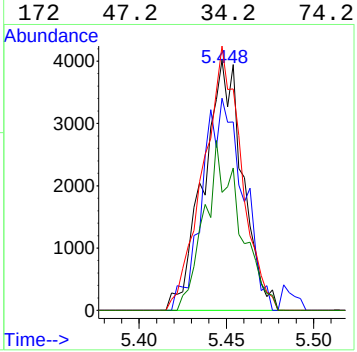


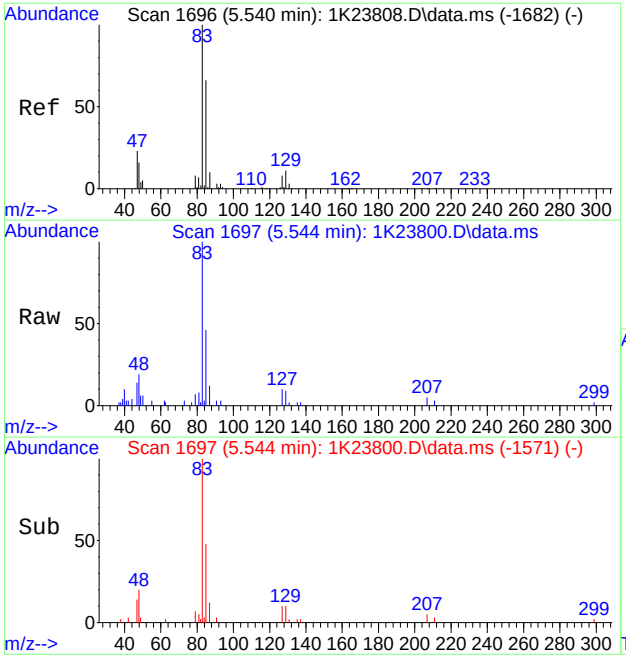


#66
dibromomethane
Concen: 1.94 ug/L
RT: 5.447 min Scan# 1667
Delta R.T. 0.000 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion: 93 Resp: 6276

Ion	Ratio	Lower	Upper
93	100		
95	84.7	57.5	117.5
174	105.6	75.1	135.1
172	47.2	34.2	74.2

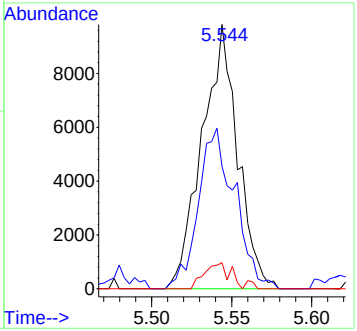


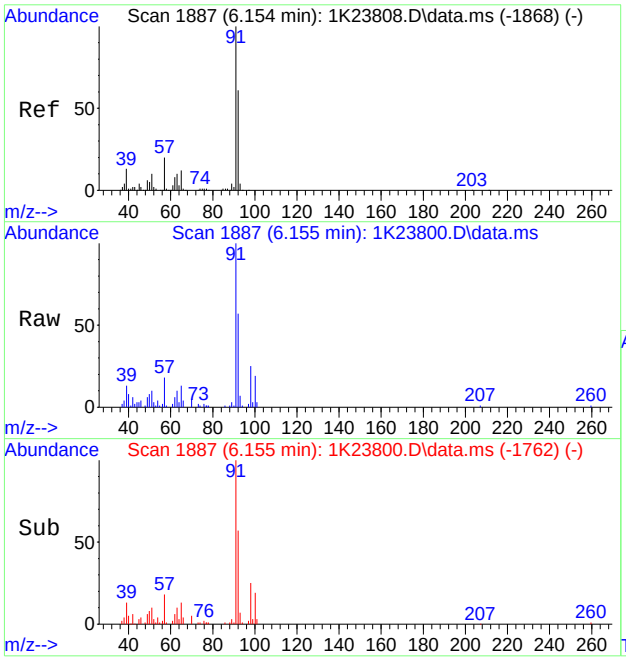


#67
bromodichloromethane
Concen: 2.18 ug/L
RT: 5.544 min Scan# 1697
Delta R.T. 0.004 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion: 83 Resp: 15219

Ion	Ratio	Lower	Upper
83	100		
85	46.3	35.5	95.5
127	9.8	0.0	37.9

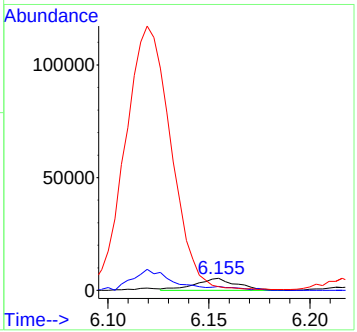


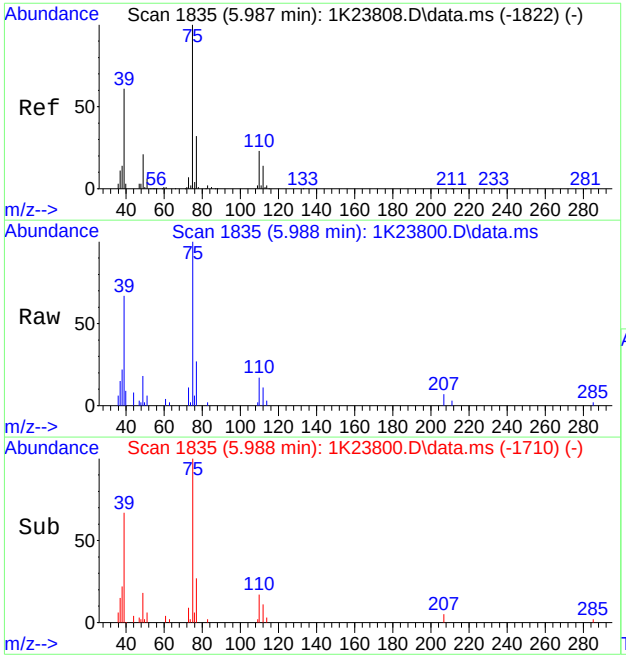


#68
epichlorohydrin
Concen: 8.93 ug/L
RT: 6.155 min Scan# 1887
Delta R.T. 0.000 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion: 57 Resp: 7687

Ion	Ratio	Lower	Upper
57	100		
49	34.1	8.2	48.2
42	22.5	0.0	27.5

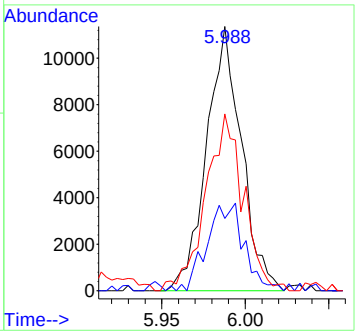


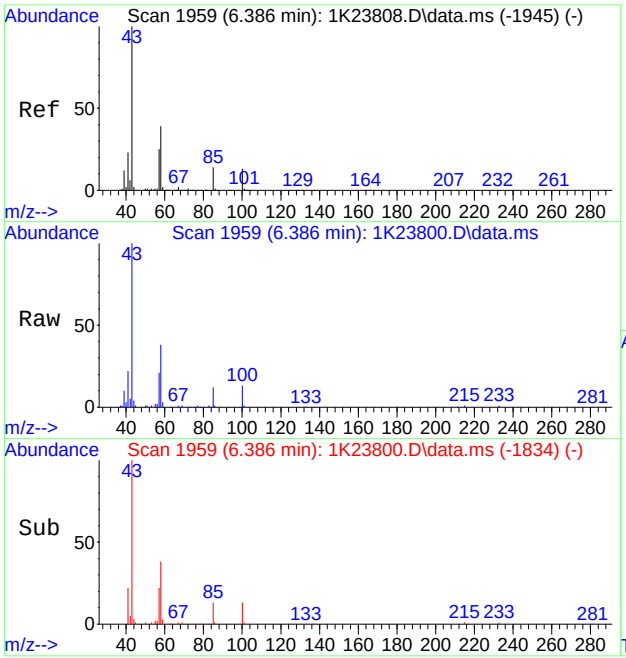


#69
cis-1,3-dichloropropene
Concen: 1.94 ug/L
RT: 5.988 min Scan# 1835
Delta R.T. 0.000 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion: 75 Resp: 16551

Ion	Ratio	Lower	Upper
75	100		
77	27.4	2.2	62.2
39	66.8	31.6	91.6

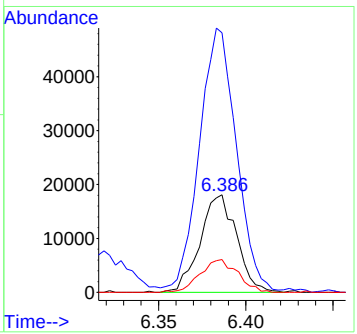


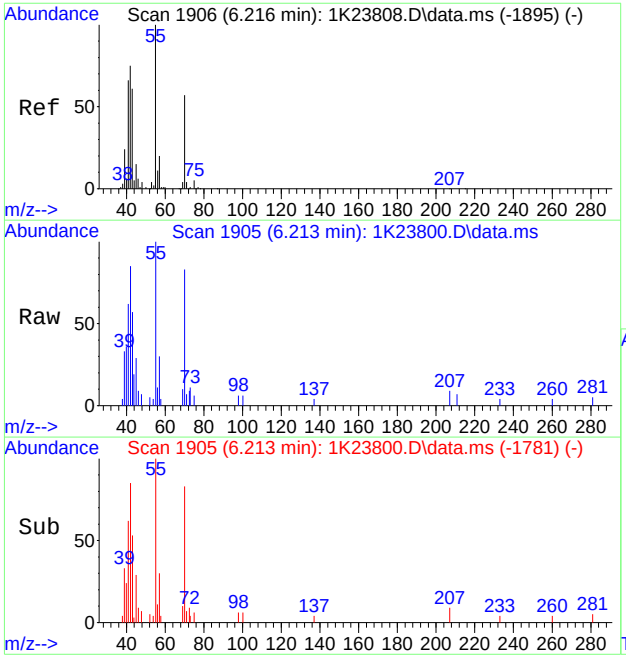


#70
4-methyl-2-pentanone
Concen: 7.91 ug/L
RT: 6.386 min Scan# 1959
Delta R.T. 0.000 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion: 58 Resp: 26369

Ion	Ratio	Lower	Upper
58	100		
43	261.5	235.3	295.3
100	33.7	2.2	62.2

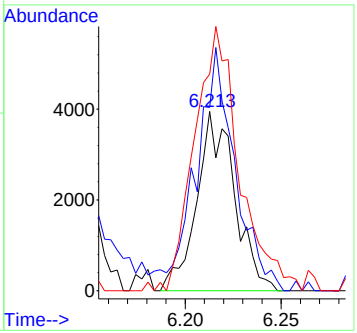


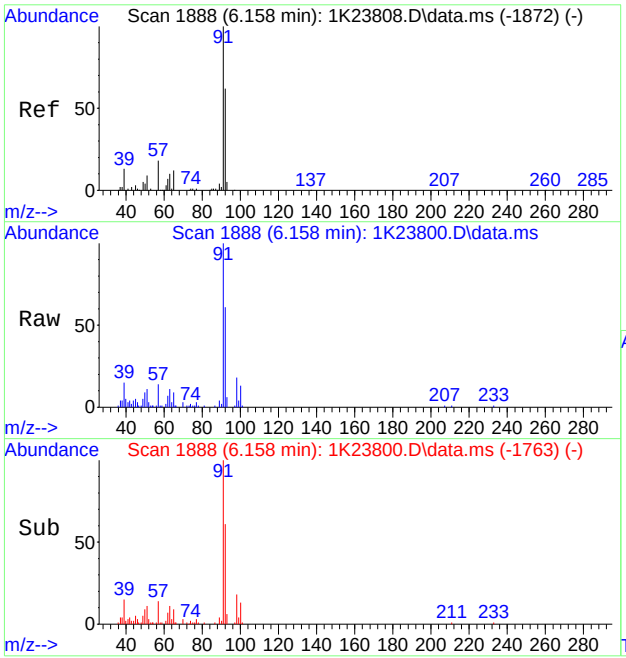


#71
3-methyl-1-butanol
Concen: 35.59 ug/L
RT: 6.213 min Scan# 1905
Delta R.T. -0.003 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion: 70 Resp: 5432

Ion	Ratio	Lower	Upper
70	100		
42	102.3	103.4	163.4#
55	116.1	146.9	206.9#

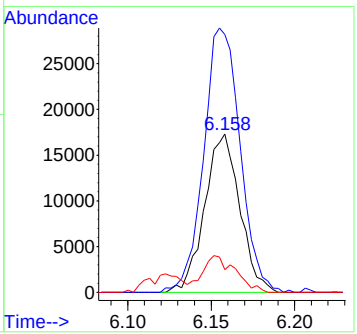


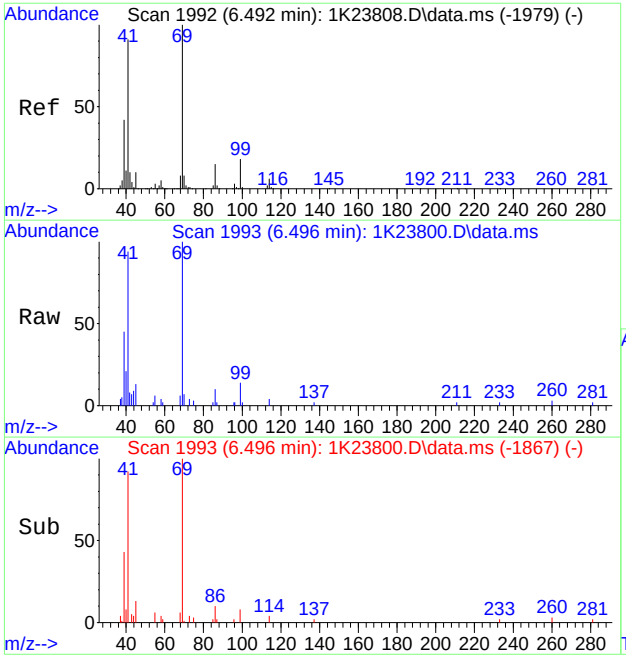


#74
toluene
Concen: 1.87 ug/L
RT: 6.158 min Scan# 1888
Delta R.T. 0.000 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion: 92 Resp: 25403

Ion	Ratio	Lower	Upper
92	100		
91	162.9	140.0	180.0
65	14.4	0.0	39.6

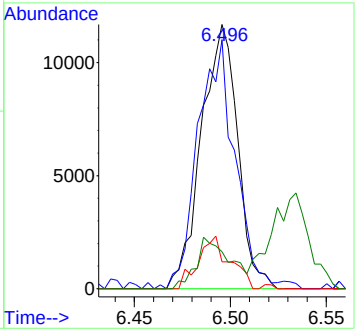


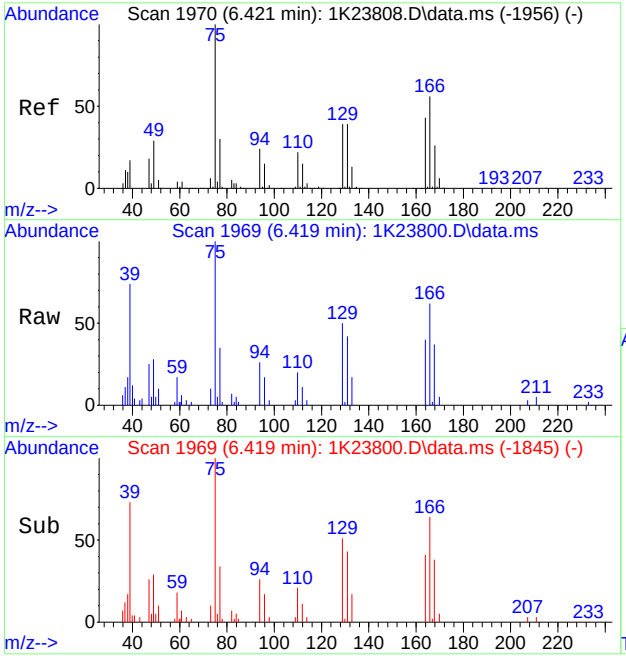


#75
ethyl methacrylate
Concen: 2.02 ug/L
RT: 6.496 min Scan# 1993
Delta R.T. 0.004 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion: 69 Resp: 15383

Ion	Ratio	Lower	Upper
69	100		
41	92.6	71.2	111.2
86	10.2	0.0	35.1
99	14.1	0.0	38.4

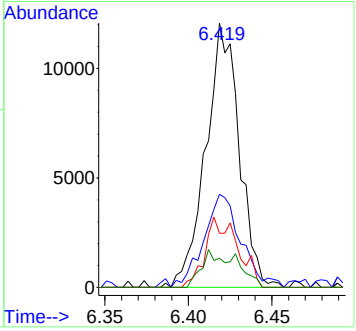


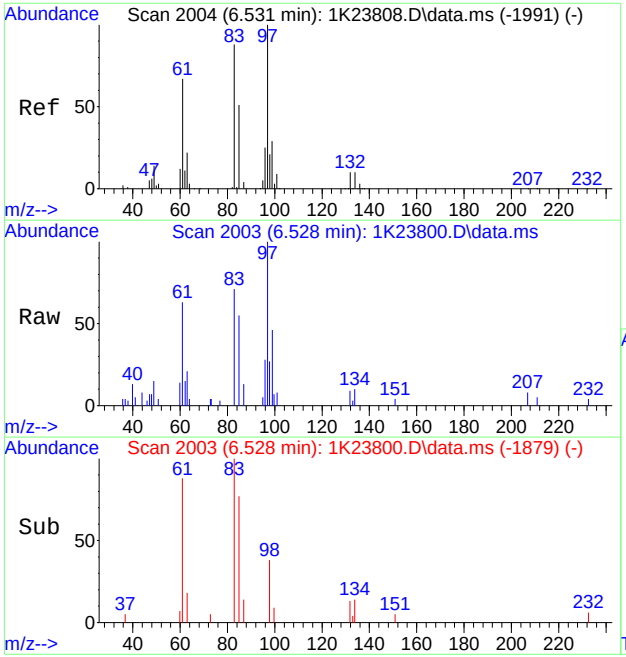


#76
trans-1,3-dichloropropene
Concen: 1.97 ug/L
RT: 6.419 min Scan# 1969
Delta R.T. -0.003 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion: 75 Resp: 16809

Ion	Ratio	Lower	Upper
75	100		
77	33.7	10.4	50.4
110	20.4	2.4	42.4
112	11.0	0.0	34.7

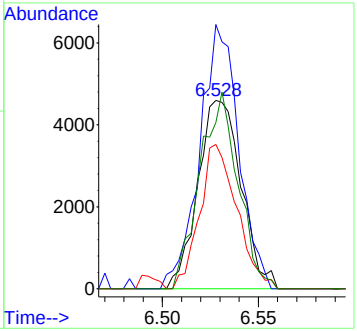


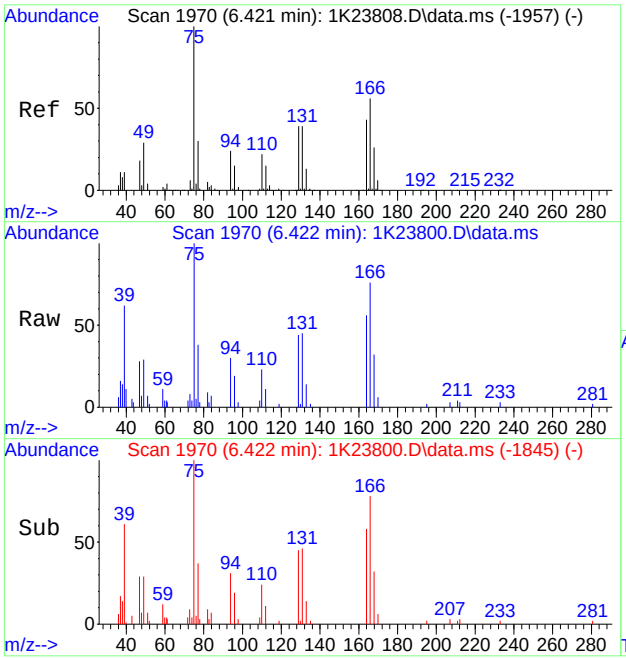


#77
1,1,2-trichloroethane
Concen: 1.99 ug/L
RT: 6.528 min Scan# 2003
Delta R.T. -0.003 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion: 83 Resp: 7219

Ion	Ratio	Lower	Upper
83	100		
97	140.3	94.4	134.4#
85	76.6	41.5	81.5
61	88.2	56.0	96.0

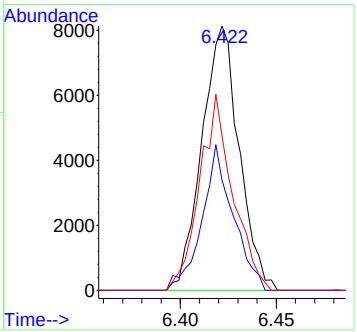


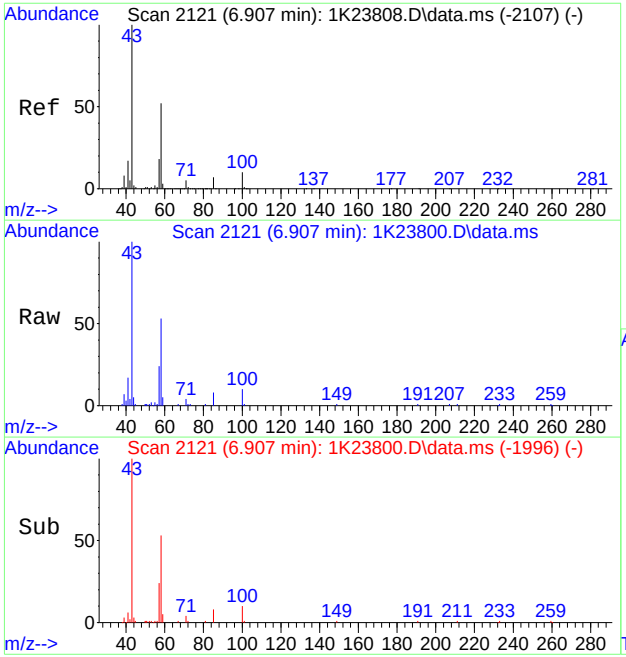


#78
tetrachloroethene
Concen: 2.15 ug/L
RT: 6.422 min Scan# 1970
Delta R.T. 0.000 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion:166 Resp: 11015

Ion	Ratio	Lower	Upper
166	100		
168	41.6	17.0	77.0
129	58.5	39.8	99.8

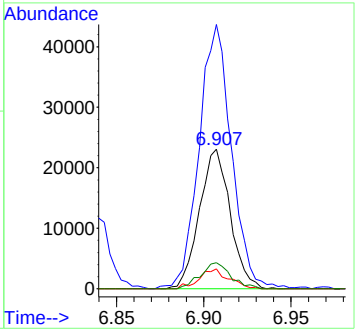


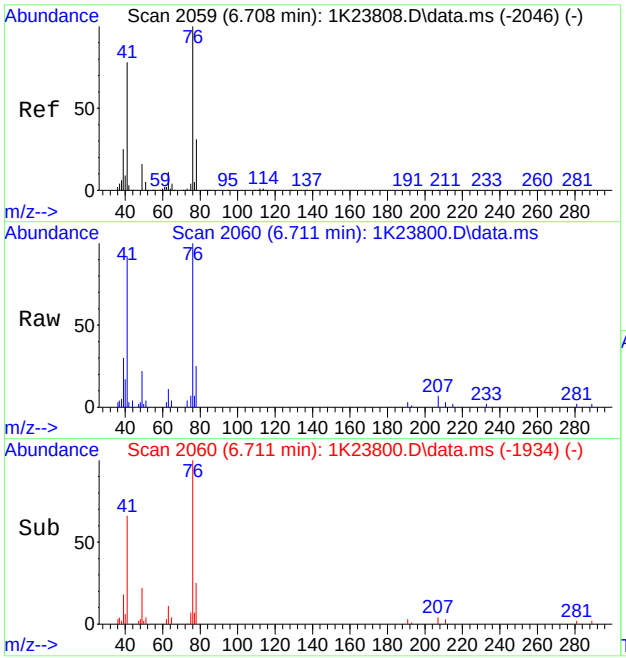


#79
2-hexanone
Concen: 8.13 ug/L
RT: 6.907 min Scan# 2121
Delta R.T. 0.000 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion: 58 Resp: 28377

Ion	Ratio	Lower	Upper
58	100		
43	187.5	172.5	212.5
85	14.3	0.0	32.5
100	18.8	0.0	39.5

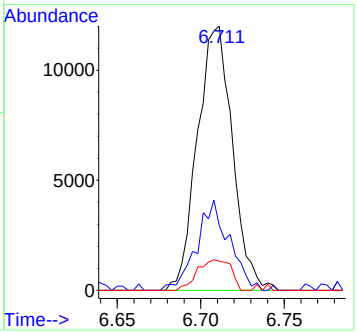


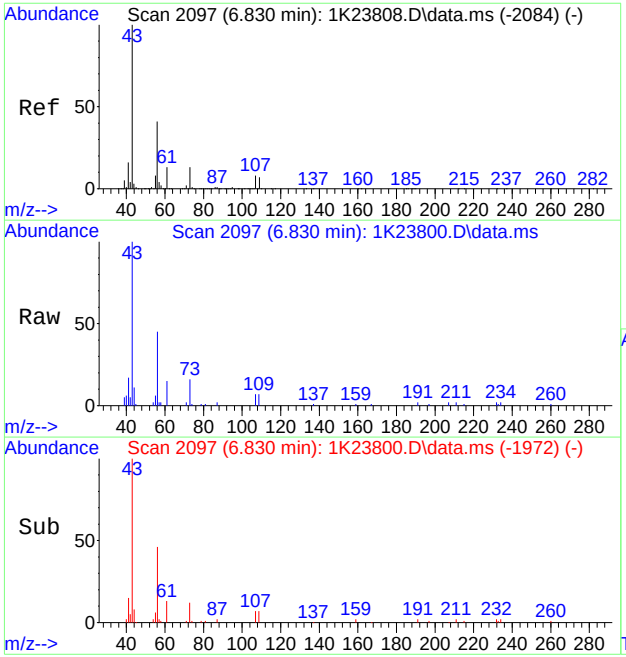


#80
1,3-dichloropropane
Concen: 2.16 ug/L
RT: 6.711 min Scan# 2060
Delta R.T. 0.004 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion: 76 Resp: 17570

Ion	Ratio	Lower	Upper
76	100		
78	24.6	0.6	60.6
63	11.1	0.0	41.5

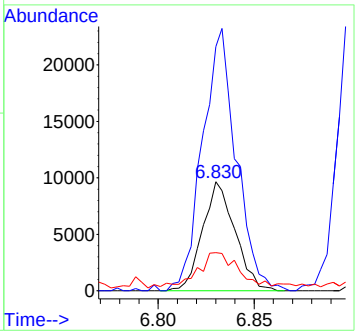


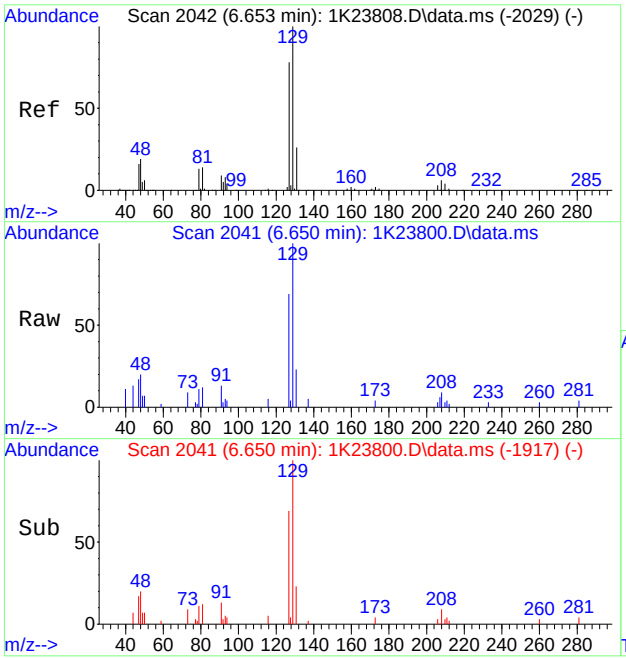


#81
butyl acetate
Concen: 1.98 ug/L
RT: 6.830 min Scan# 2097
Delta R.T. 0.000 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion: 56 Resp: 11390

Ion	Ratio	Lower	Upper
56	100		
43	223.7	215.3	275.3
73	31.1	2.2	62.2

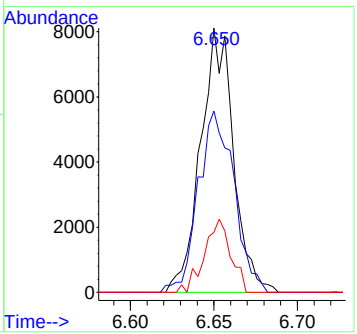


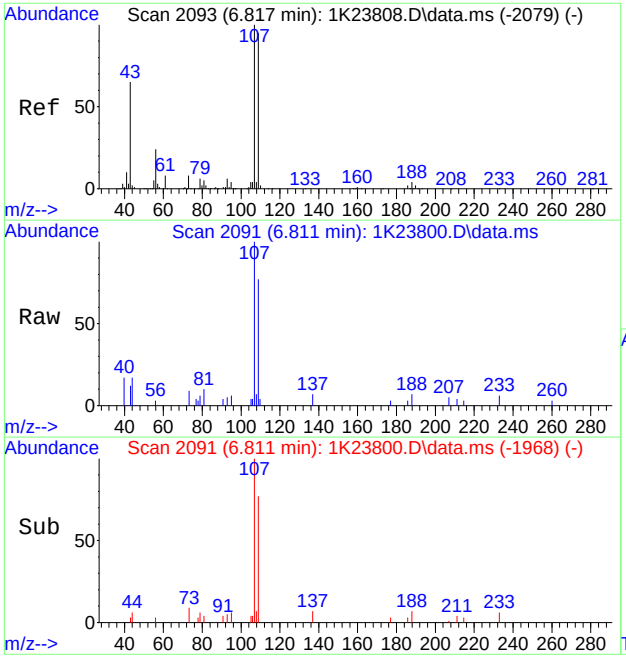


#82
dibromochloromethane
Concen: 2.10 ug/L
RT: 6.650 min Scan# 2041
Delta R.T. -0.003 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion:129 Resp: 11102

Ion	Ratio	Lower	Upper
129	100		
127	68.6	47.8	107.8
131	22.7	0.0	55.8

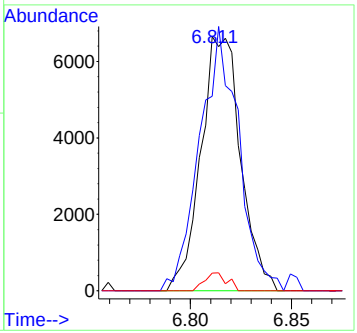


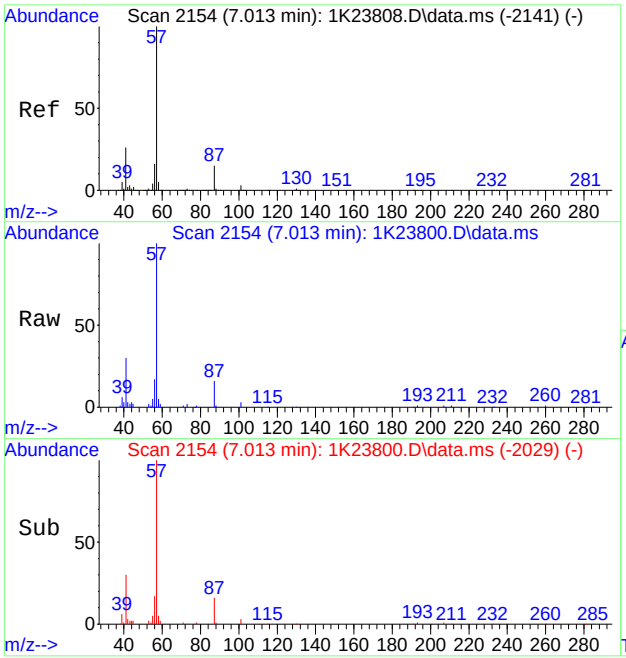


#83
1,2-dibromoethane
Concen: 1.99 ug/L
RT: 6.811 min Scan# 2091
Delta R.T. -0.006 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion:107 Resp: 9111

Ion	Ratio	Lower	Upper
107	100		
109	76.6	65.3	125.3
188	6.9	0.0	33.6

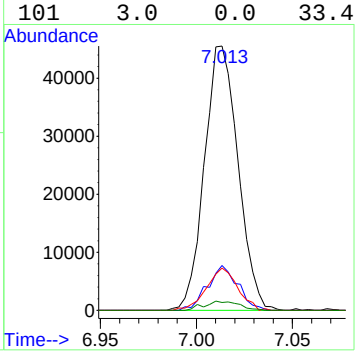


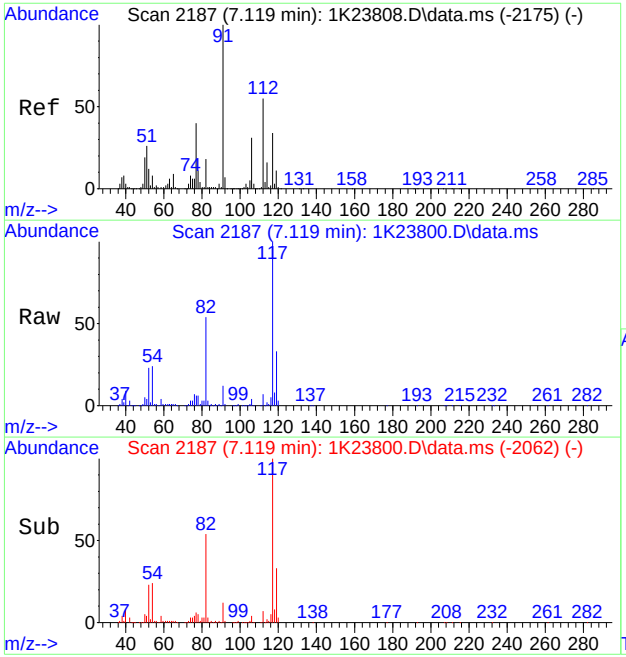


#84
n-butyl ether
Concen: 2.03 ug/L
RT: 7.013 min Scan# 2154
Delta R.T. 0.000 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion: 57 Resp: 55534

Ion	Ratio	Lower	Upper
57	100		
56	17.0	0.0	45.7
87	16.0	0.0	44.9
101	3.0	0.0	33.4

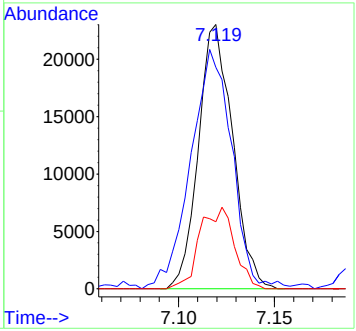


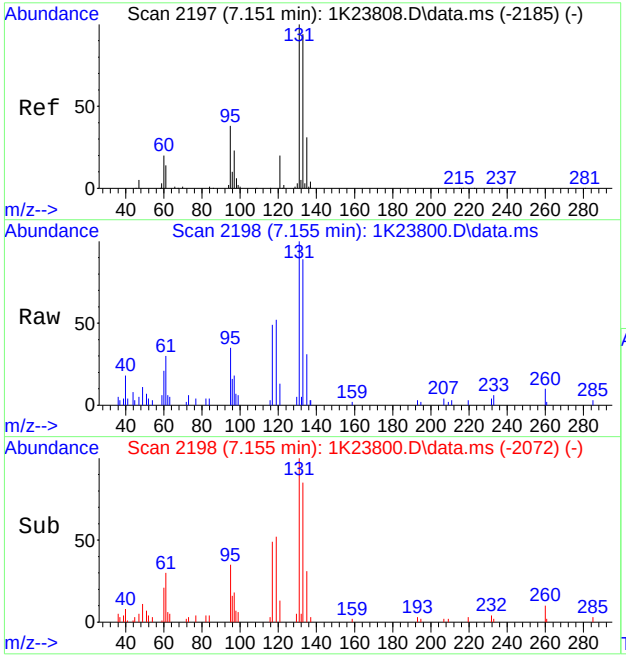


#85
chlorobenzene
Concen: 2.09 ug/L
RT: 7.119 min Scan# 2187
Delta R.T. 0.000 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion:112 Resp: 28617

Ion	Ratio	Lower	Upper
112	100		
77	82.4	43.7	103.7
114	25.4	0.0	59.8

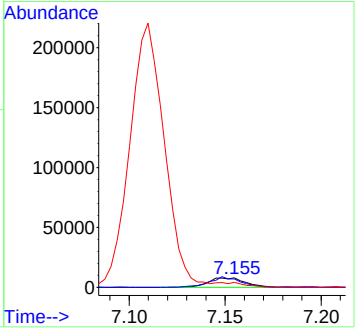


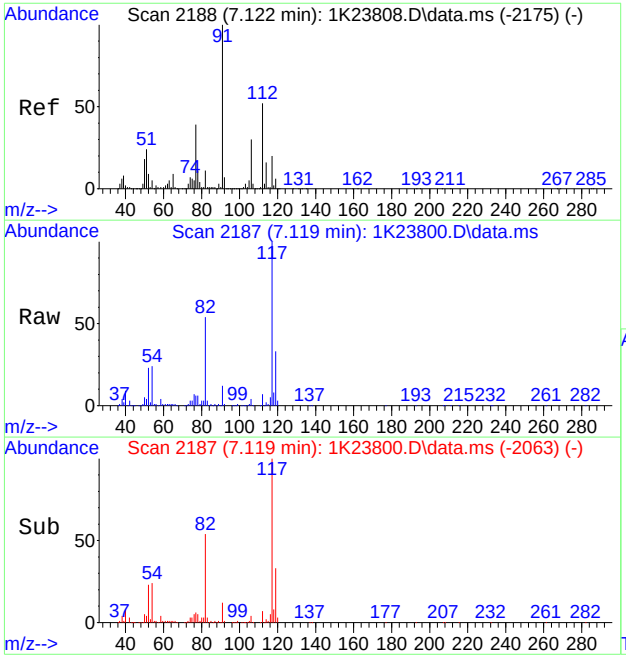


#86
1,1,1,2-tetrachloroethane
Concen: 2.08 ug/L
RT: 7.155 min Scan# 2198
Delta R.T. 0.004 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion:131 Resp: 10583

Ion	Ratio	Lower	Upper
131	100		
133	89.5	64.3	124.3
119	52.2	27.7	87.7

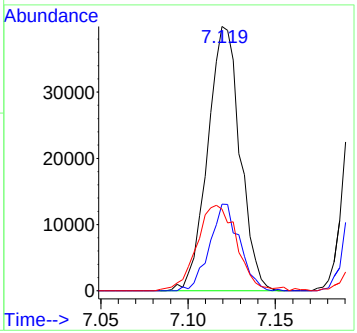


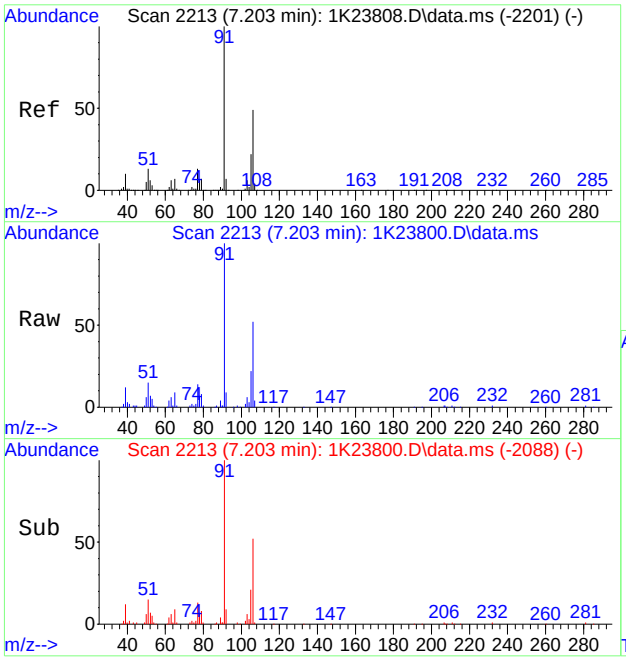


#87
ethylbenzene
Concen: 2.01 ug/L
RT: 7.119 min Scan# 2187
Delta R.T. -0.003 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion: 91 Resp: 51589

Ion	Ratio	Lower	Upper
91	100		
106	32.8	0.3	60.3
51	30.3	0.0	54.3

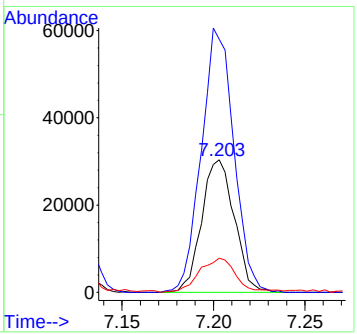


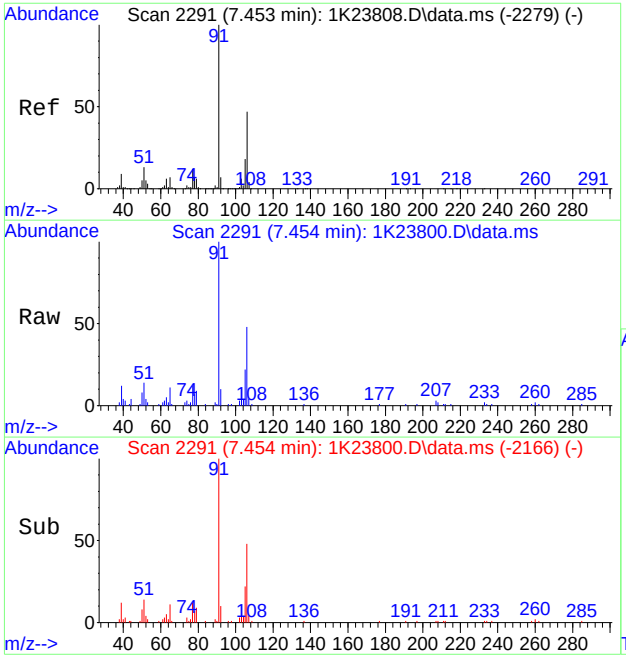


#88
m,p-xylene
Concen: 4.01 ug/L
RT: 7.203 min Scan# 2213
Delta R.T. 0.000 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion:106 Resp: 37756

Ion	Ratio	Lower	Upper
106	100		
91	190.8	176.0	236.0
77	25.9	5.9	45.9

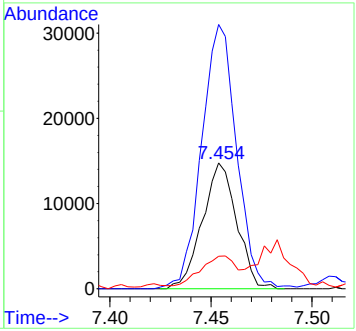


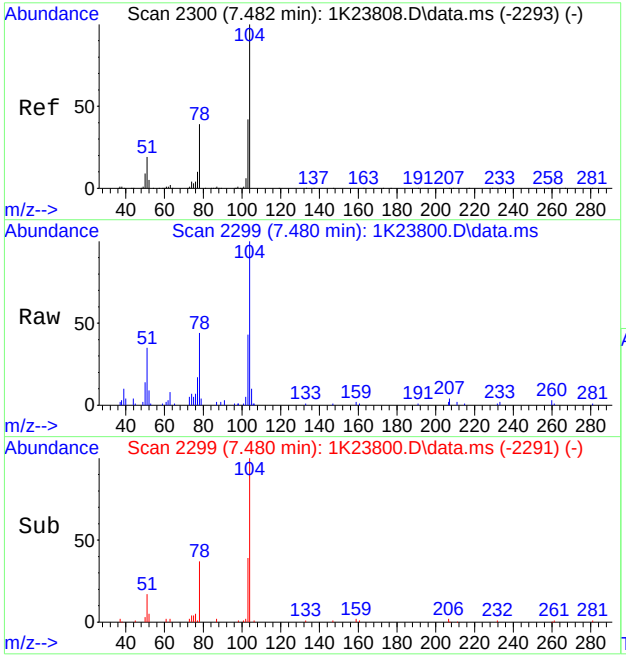


#89
o-xylene
Concen: 1.95 ug/L
RT: 7.454 min Scan# 2291
Delta R.T. 0.000 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion:106 Resp: 17479

Ion	Ratio	Lower	Upper
106	100		
91	208.7	183.9	243.9
77	23.3	5.0	45.0

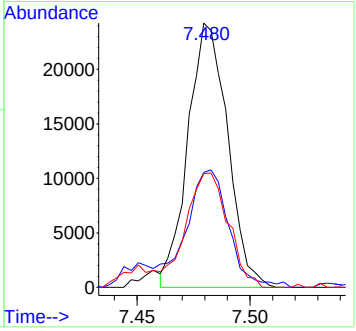


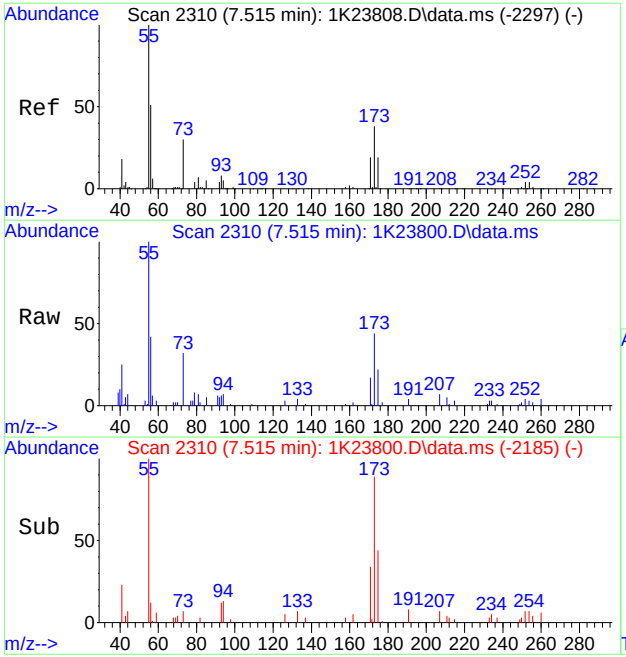


#90
styrene
Concen: 1.94 ug/L
RT: 7.480 min Scan# 2299
Delta R.T. -0.003 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion:104 Resp: 29600

Ion	Ratio	Lower	Upper
104	100		
78	41.5	13.8	73.8
103	43.1	16.3	76.3

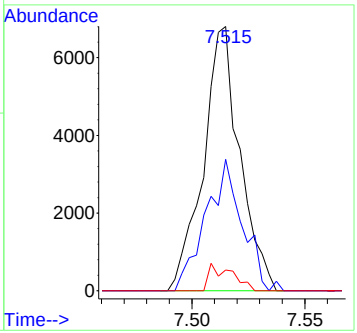


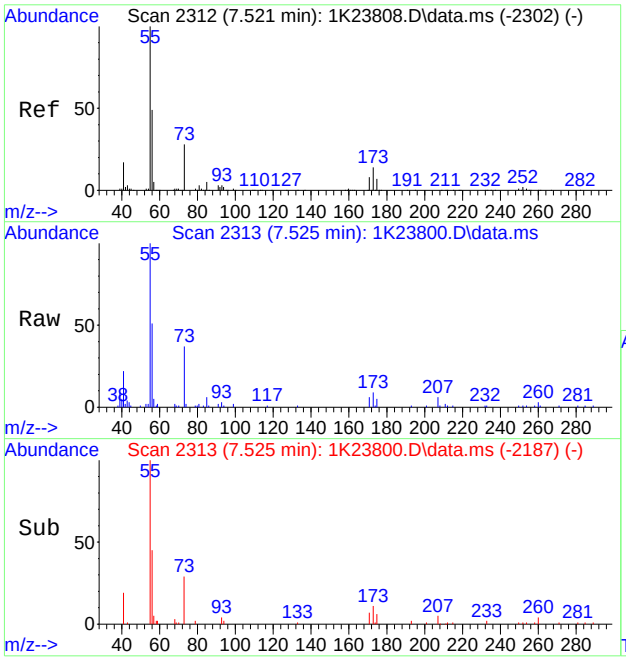


#91
bromoform
Concen: 2.10 ug/L
RT: 7.515 min Scan# 2310
Delta R.T. 0.000 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion:173 Resp: 7631

Ion	Ratio	Lower	Upper
173	100		
175	49.7	20.6	80.6
254	7.8	0.0	39.4

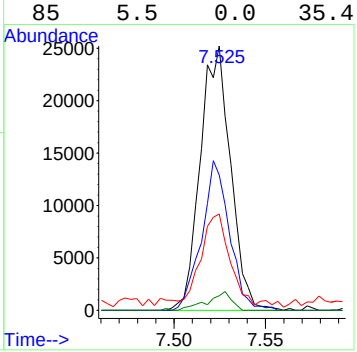


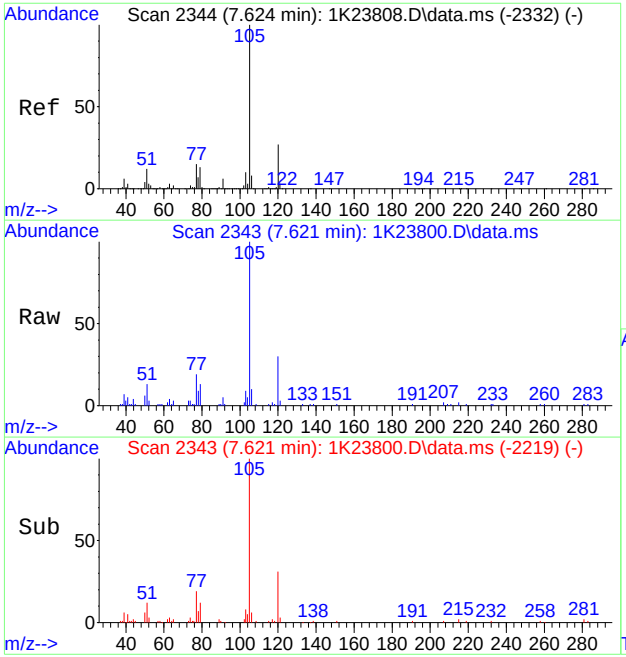


#92
butyl acrylate
Concen: 2.01 ug/L
RT: 7.525 min Scan# 2313
Delta R.T. 0.004 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion: 55 Resp: 29125

Ion	Ratio	Lower	Upper
55	100		
56	51.2	19.2	79.2
73	35.4	0.0	59.1
85	5.5	0.0	35.4

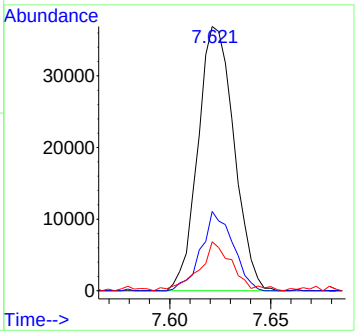


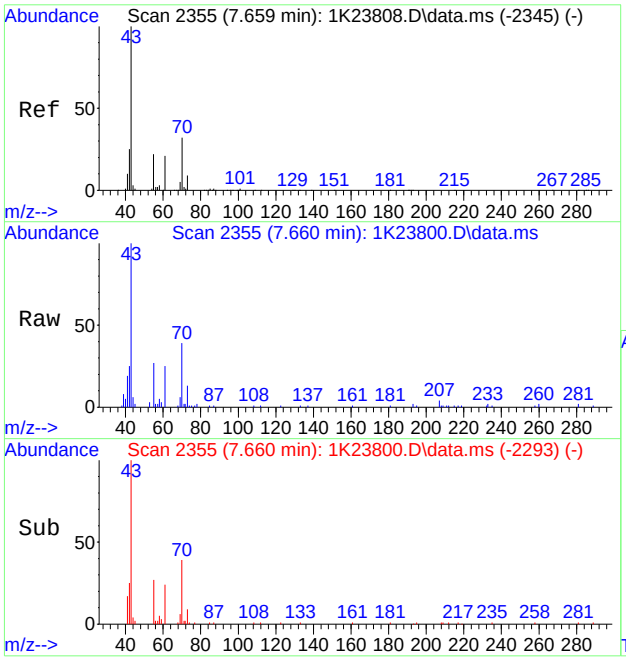


#93
isopropylbenzene
Concen: 2.09 ug/L
RT: 7.621 min Scan# 2343
Delta R.T. -0.003 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion:105 Resp: 45761

Ion	Ratio	Lower	Upper
105	100		
120	30.0	7.4	47.4
77	18.5	0.0	35.4

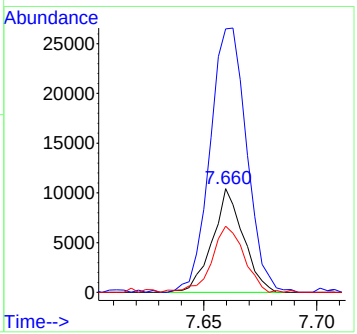


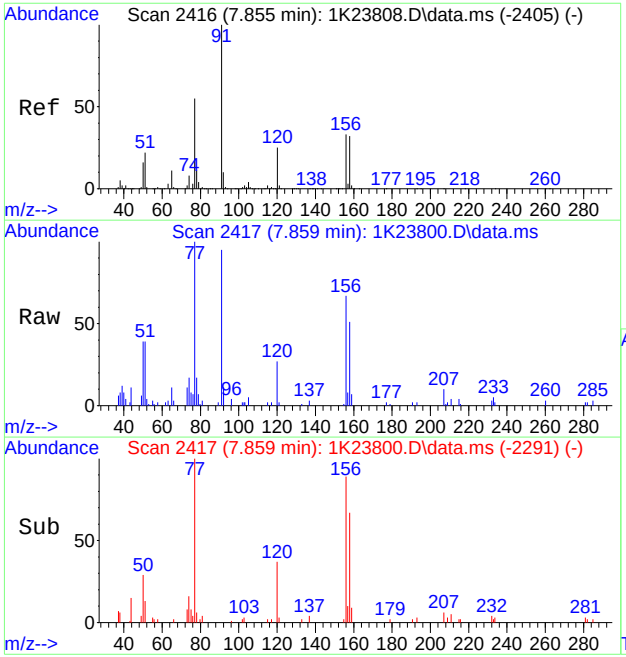


#94
n-amyl acetate
Concen: 2.09 ug/L
RT: 7.660 min Scan# 2355
Delta R.T. 0.000 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion: 70 Resp: 9884

Ion	Ratio	Lower	Upper
70	100		
43	254.2	293.9	333.9#
61	63.9	48.4	88.4

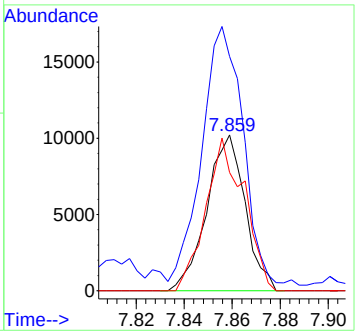


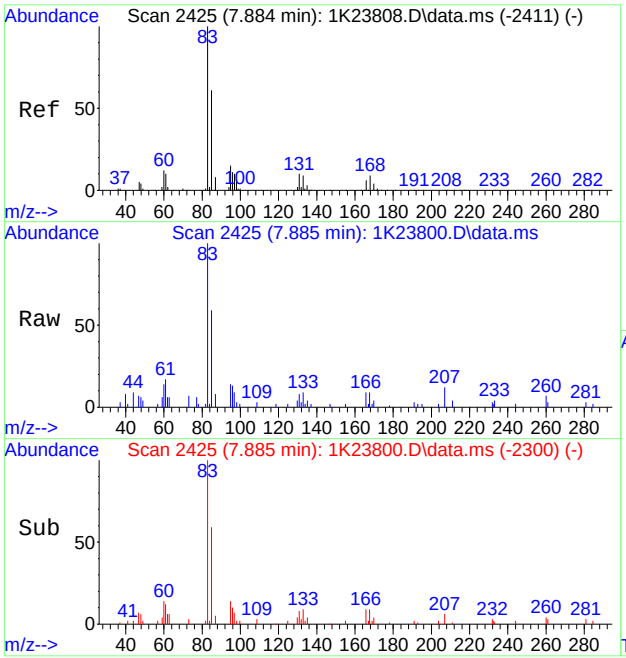


#98
bromobenzene
Concen: 2.07 ug/L
RT: 7.859 min Scan# 2417
Delta R.T. 0.004 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion:156 Resp: 11295

Ion	Ratio	Lower	Upper
156	100		
77	145.2	150.1	210.1#
158	75.9	66.6	126.6

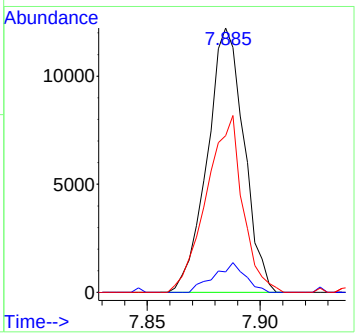


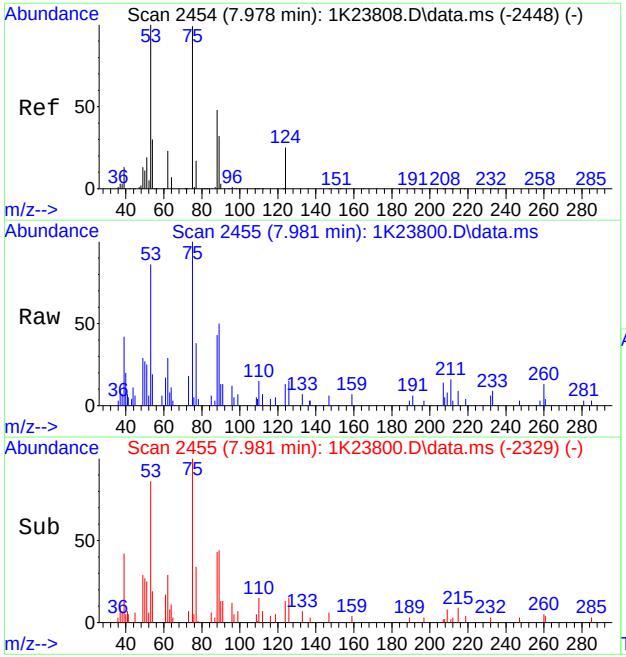


#99
1,1,2,2-tetrachloroethane
Concen: 1.97 ug/L
RT: 7.885 min Scan# 2425
Delta R.T. 0.000 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion: 83 Resp: 13791

Ion	Ratio	Lower	Upper
83	100		
131	7.8	0.0	40.0
85	59.3	31.1	91.1

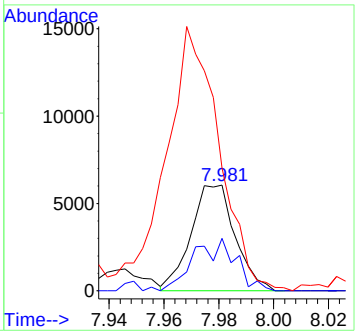


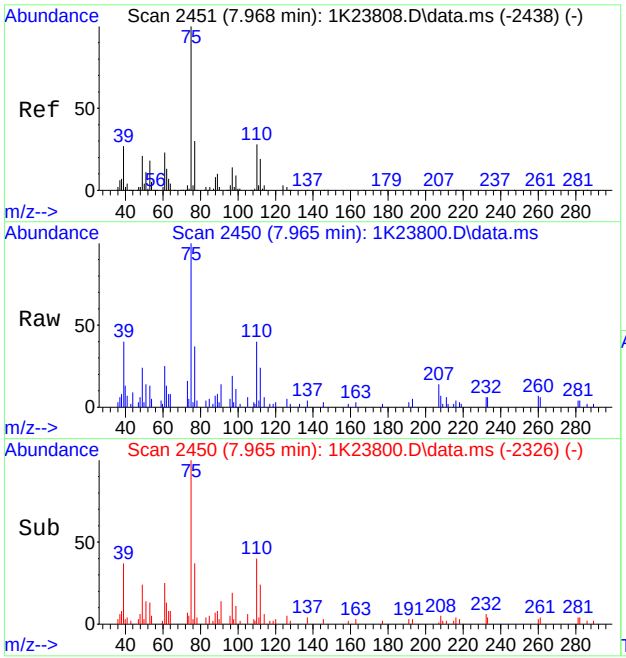


#100
trans-1,4-dichloro-2-butene
Concen: 2.36 ug/L
RT: 7.981 min Scan# 2455
Delta R.T. 0.004 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion: 53 Resp: 6813

Ion	Ratio	Lower	Upper
53	100		
88	49.7	17.1	77.1
75	113.1	162.2	222.2#

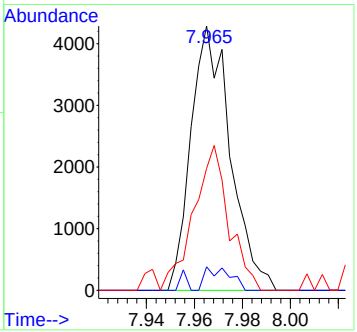


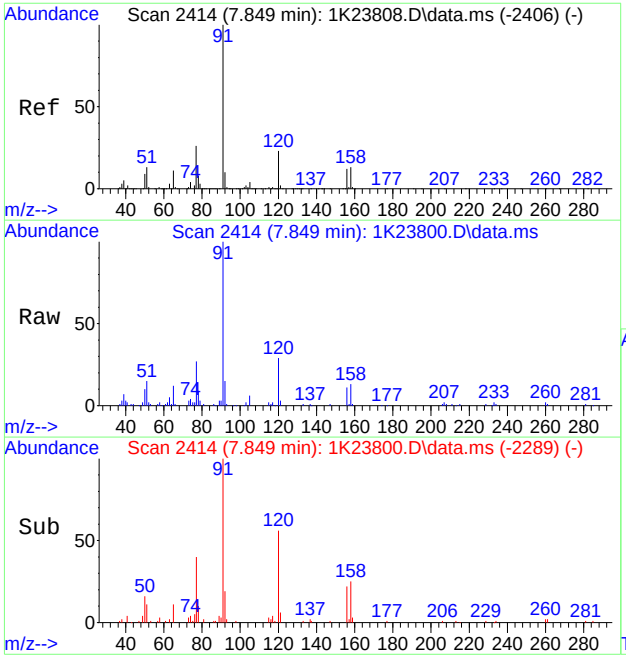


#101
1,2,3-trichloropropane
Concen: 2.13 ug/L
RT: 7.965 min Scan# 2450
Delta R.T. -0.003 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion:110 Resp: 4888

Ion	Ratio	Lower	Upper
110	100		
111	8.9	0.0	39.1
97	46.1	20.8	80.8

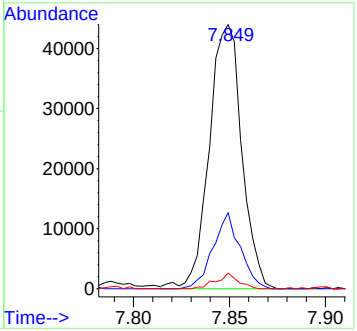


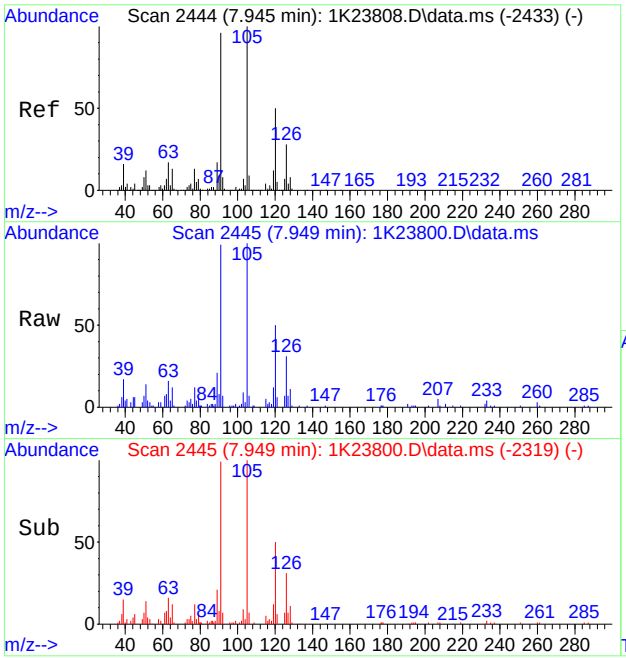


#102
n-propylbenzene
Concen: 2.08 ug/L
RT: 7.849 min Scan# 2414
Delta R.T. 0.000 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion: 91 Resp: 51918

Ion	Ratio	Lower	Upper
91	100		
120	28.9	0.0	52.5
105	5.9	0.0	33.5

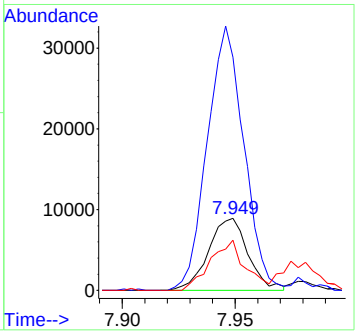


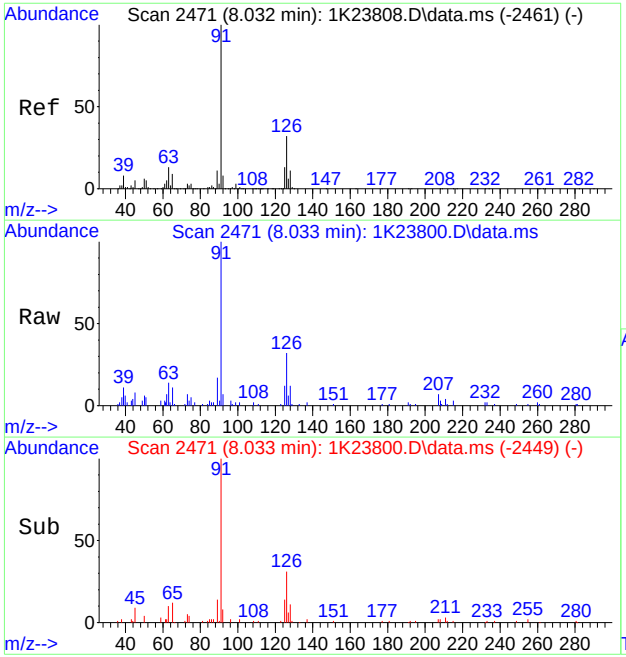


#103
2-chlorotoluene
Concen: 2.13 ug/L
RT: 7.949 min Scan# 2445
Delta R.T. 0.004 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion:126 Resp: 10851

Ion	Ratio	Lower	Upper
126	100		
91	323.7	316.4	376.4
89	69.6	33.0	93.0

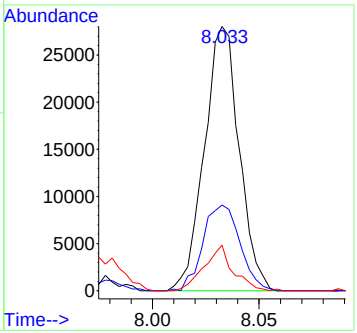


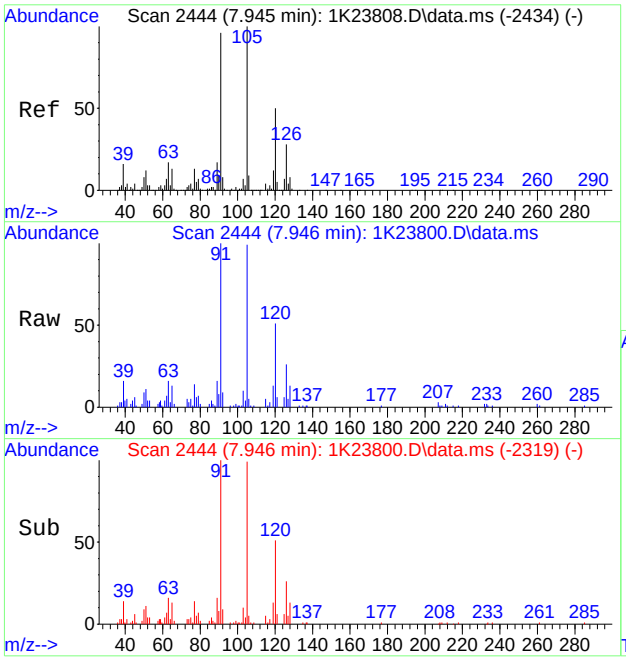


#104
4-chlorotoluene
Concen: 1.88 ug/L
RT: 8.033 min Scan# 2471
Delta R.T. 0.000 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion: 91 Resp: 31859

Ion	Ratio	Lower	Upper
91	100		
126	32.4	2.1	62.1
89	17.3	0.0	41.4

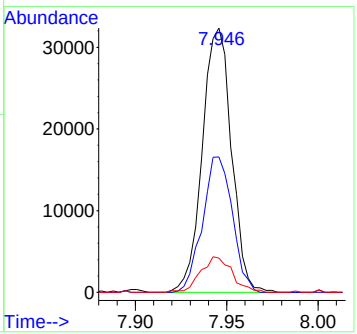


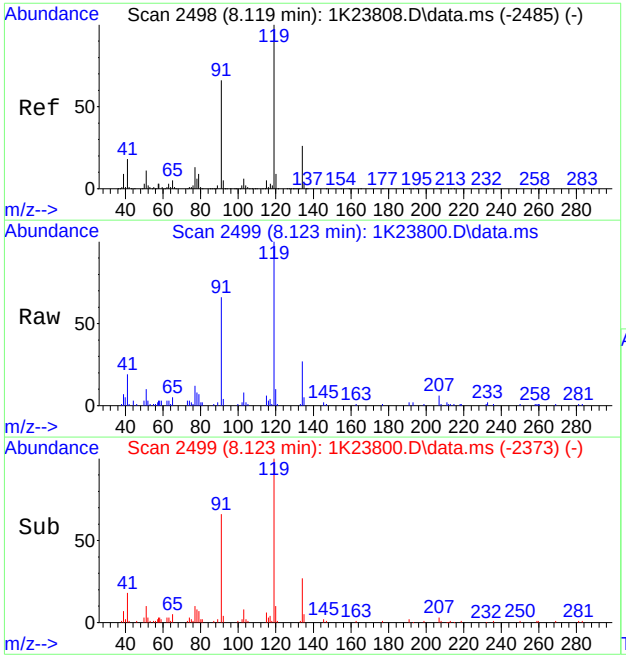


#105
1,3,5-trimethylbenzene
Concen: 2.14 ug/L
RT: 7.946 min Scan# 2444
Delta R.T. 0.000 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion:105 Resp: 36158

Ion	Ratio	Lower	Upper
105	100		
120	51.2	20.0	80.0
119	12.9	0.0	41.7

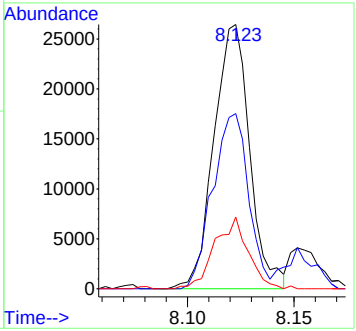


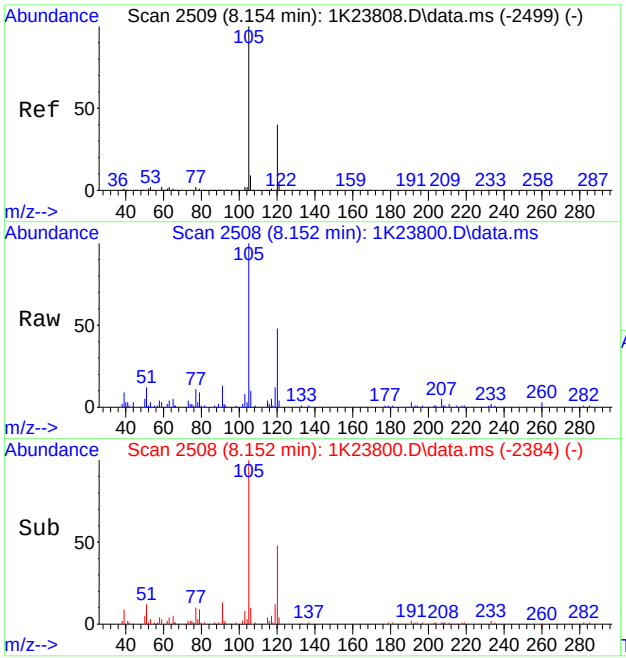


#106
tert-butylbenzene
Concen: 2.07 ug/L
RT: 8.123 min Scan# 2499
Delta R.T. 0.004 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion:119 Resp: 30944

Ion	Ratio	Lower	Upper
119	100		
91	66.3	36.3	96.3
134	27.2	0.0	56.2

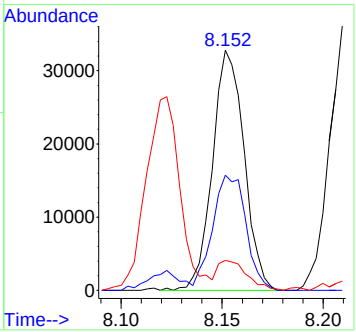


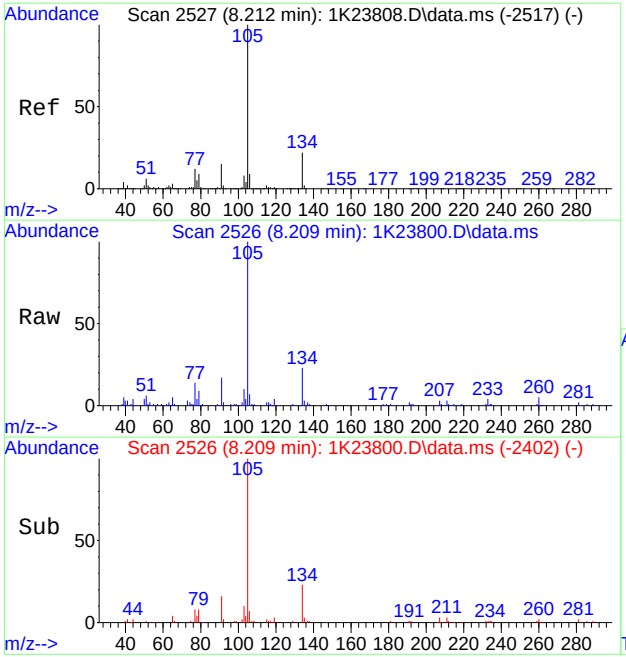


#107
1,2,4-trimethylbenzene
Concen: 1.96 ug/L
RT: 8.152 min Scan# 2508
Delta R.T. -0.003 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion:105 Resp: 35653

Ion	Ratio	Lower	Upper
105	100		
120	48.0	17.1	77.1
119	12.5	0.0	42.1

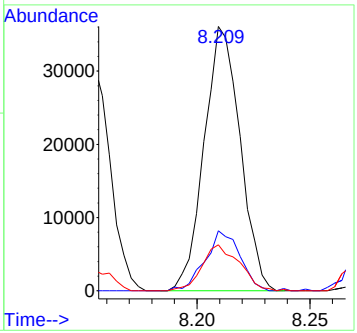


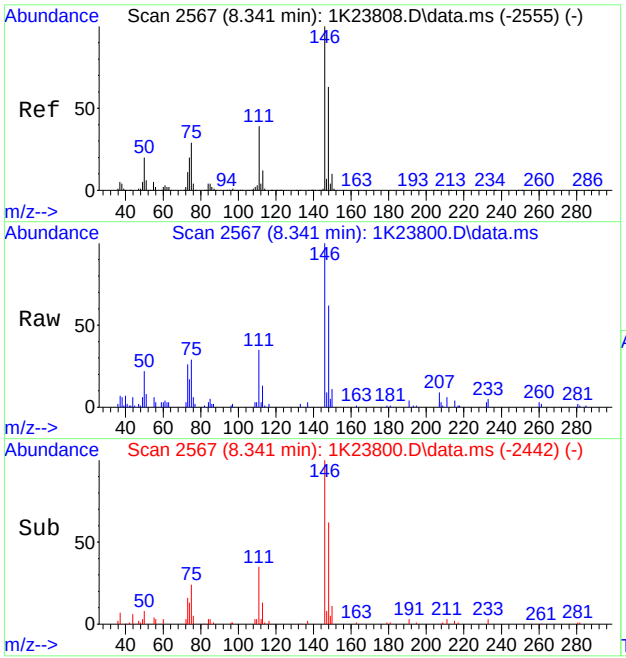


#108
sec-butylbenzene
Concen: 2.01 ug/L
RT: 8.209 min Scan# 2526
Delta R.T. -0.003 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion:105 Resp: 39899

Ion	Ratio	Lower	Upper
105	100		
134	22.7	0.0	51.5
91	17.4	0.0	45.0

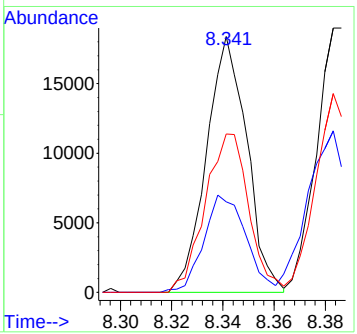


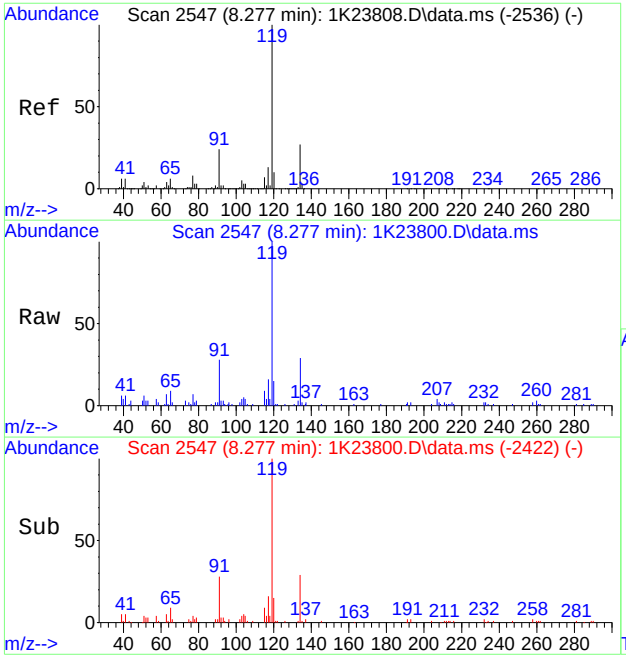


#109
1,3-dichlorobenzene
Concen: 2.00 ug/L
RT: 8.341 min Scan# 2567
Delta R.T. 0.000 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion:146 Resp: 20129

Ion	Ratio	Lower	Upper
146	100		
111	35.4	8.9	68.9
148	61.8	32.9	92.9

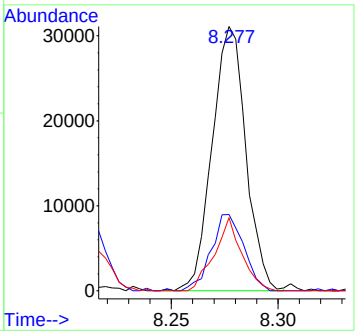


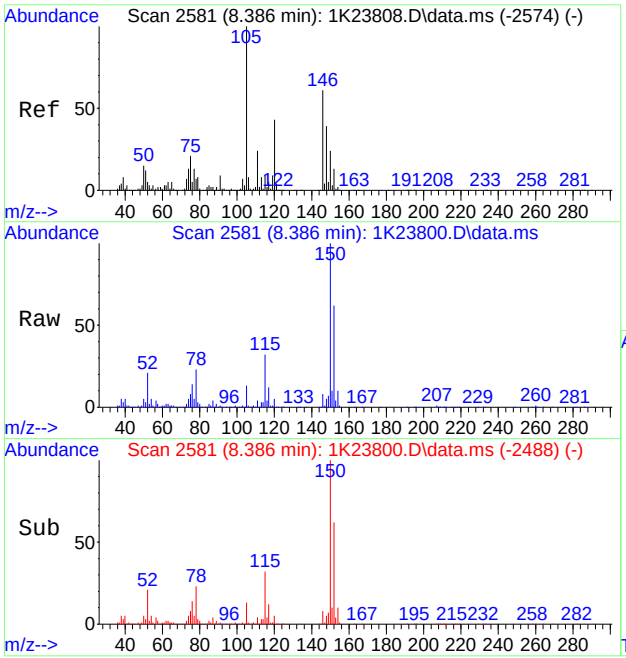


#110
p-isopropyltoluene
Concen: 1.98 ug/L
RT: 8.277 min Scan# 2547
Delta R.T. 0.000 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion:119 Resp: 34242

Ion	Ratio	Lower	Upper
119	100		
134	28.8	0.0	56.8
91	27.7	0.0	53.8

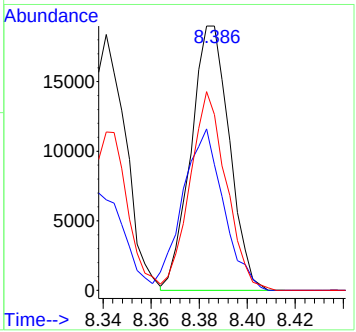


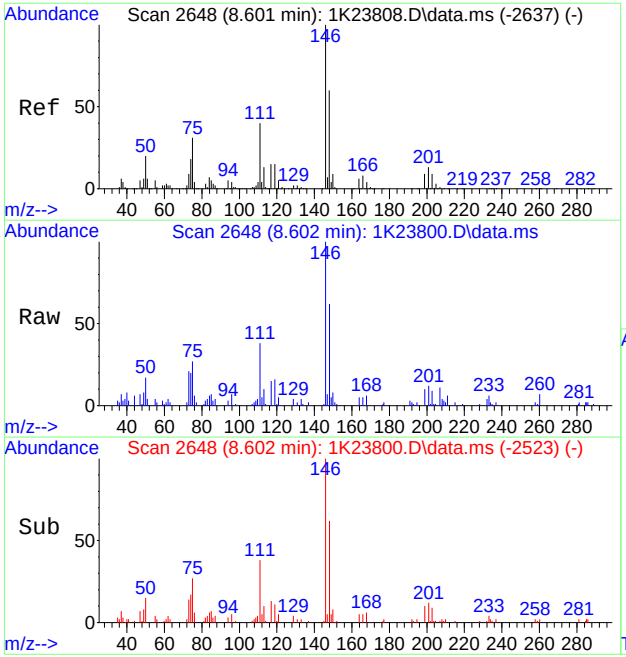


#111
1,4-dichlorobenzene
Concen: 1.98 ug/L
RT: 8.386 min Scan# 2581
Delta R.T. 0.000 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion:146 Resp: 21145

Ion	Ratio	Lower	Upper
146	100		
111	47.5	9.1	69.1
148	66.4	33.9	93.9

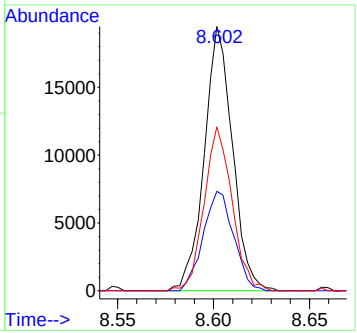


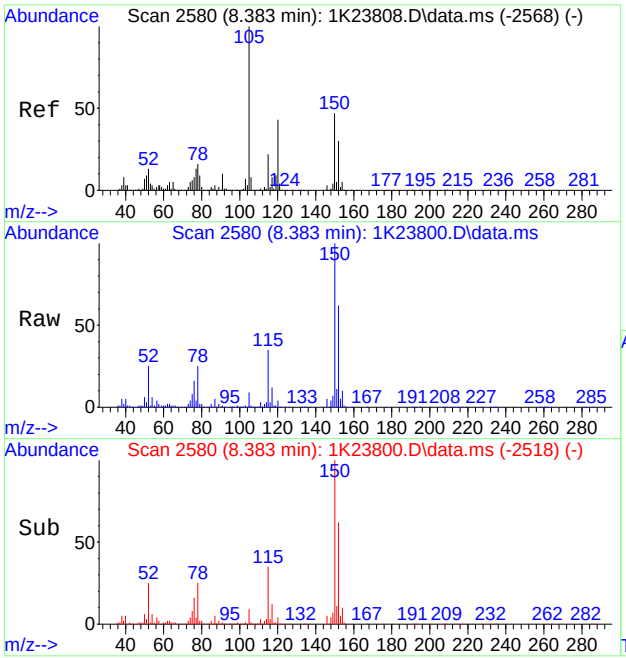


#112
1,2-dichlorobenzene
Concen: 2.14 ug/L
RT: 8.602 min Scan# 2648
Delta R.T. 0.000 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion:146 Resp: 19960

Ion	Ratio	Lower	Upper
146	100		
111	37.6	9.9	69.9
148	62.0	30.0	90.0

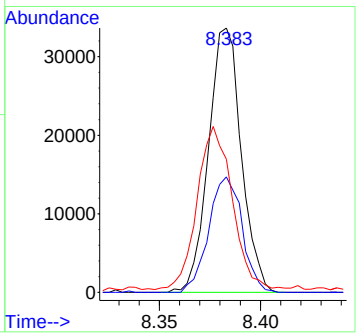


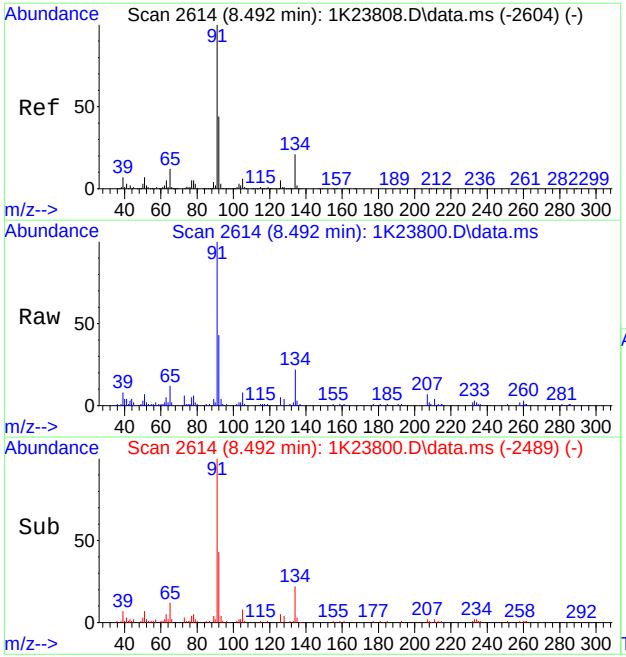


#113
1,2,3-trimethylbenzene
Concen: 2.03 ug/L
RT: 8.383 min Scan# 2580
Delta R.T. 0.000 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion:105 Resp: 37935

Ion	Ratio	Lower	Upper
105	100		
120	43.6	12.7	72.7
77	48.7	0.0	43.6#

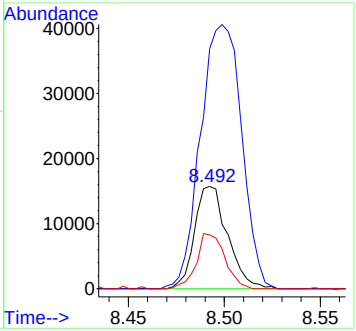


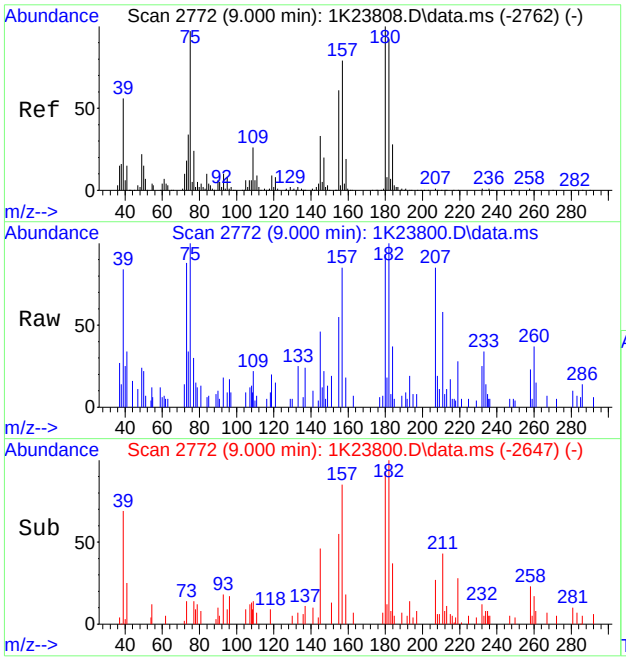


#114
n-butylbenzene
Concen: 2.00 ug/L
RT: 8.492 min Scan# 2614
Delta R.T. 0.000 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion: 92 Resp: 18817

Ion	Ratio	Lower	Upper
92	100		
91	235.0	199.3	259.3
134	52.6	17.7	77.7

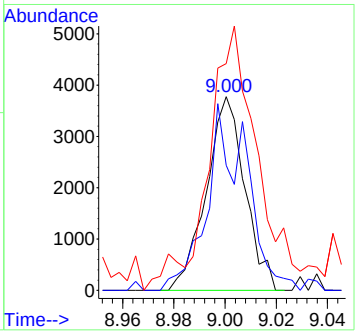


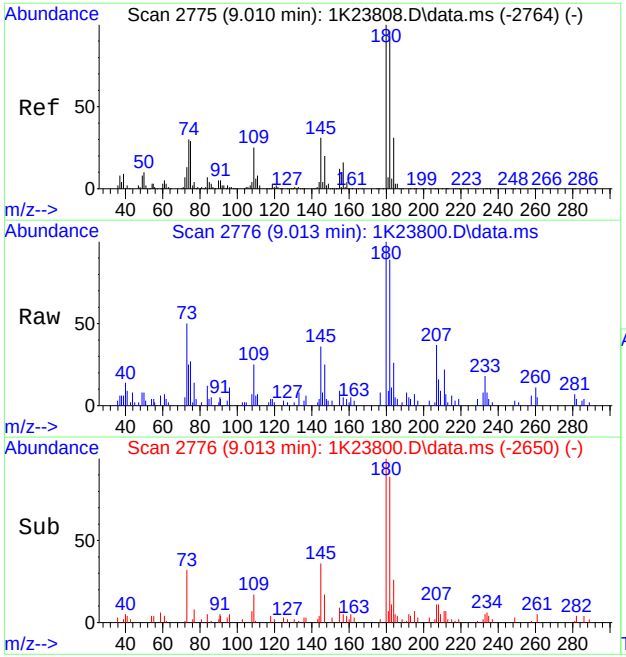


#115
1,2-dibromo-3-chloropropane
Concen: 2.04 ug/L
RT: 9.000 min Scan# 2772
Delta R.T. 0.000 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion:157 Resp: 3956

Ion	Ratio	Lower	Upper
157	100		
155	64.5	47.8	107.8
75	109.8	92.6	152.6

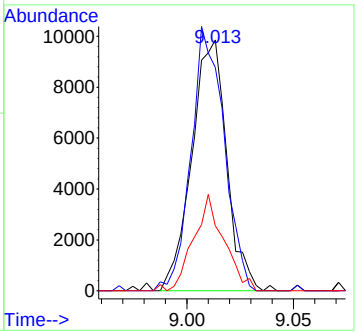


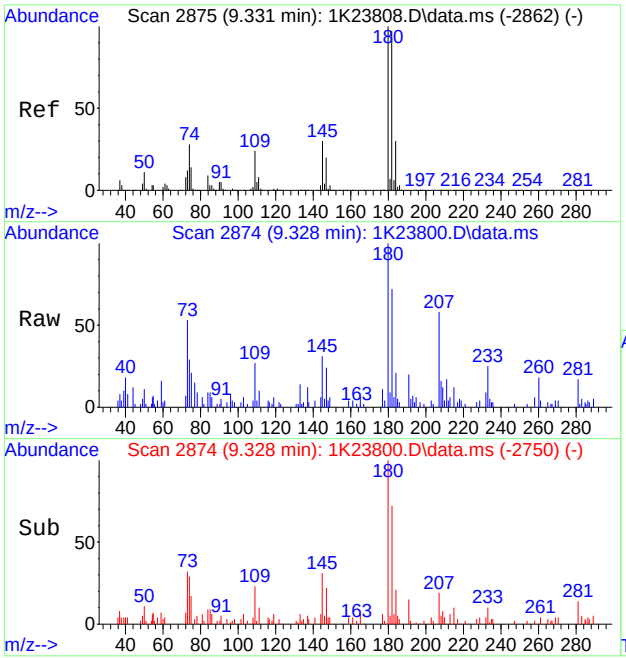


#116
1,3,5-trichlorobenzene
Concen: 1.91 ug/L
RT: 9.013 min Scan# 2776
Delta R.T. 0.004 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion:180 Resp: 11264

Ion	Ratio	Lower	Upper
180	100		
182	89.1	76.0	116.0
184	26.0	11.0	51.0

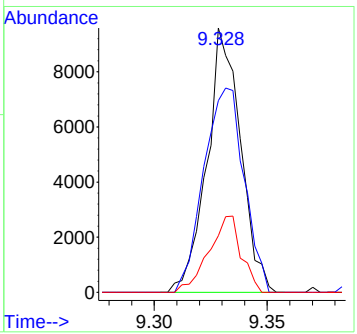


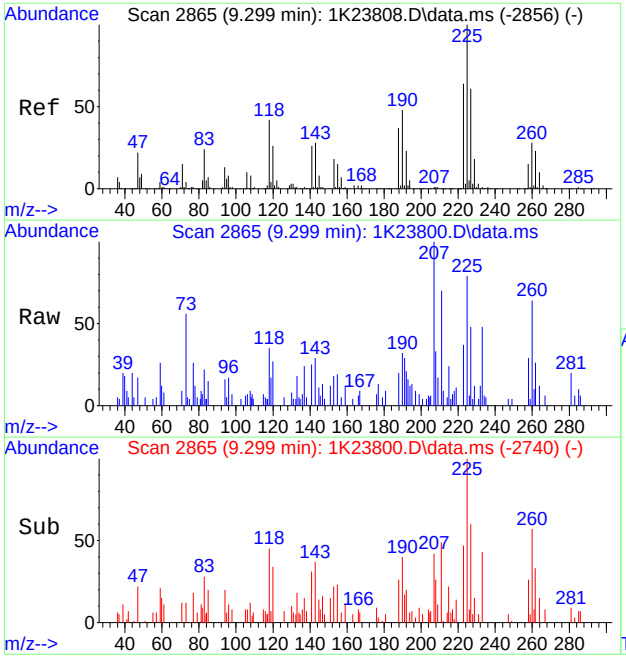


#117
1,2,4-trichlorobenzene
Concen: 1.88 ug/L
RT: 9.328 min Scan# 2874
Delta R.T. -0.003 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion:180 Resp: 9895

Ion	Ratio	Lower	Upper
180	100		
182	72.5	67.0	127.0
184	21.4	0.2	60.2

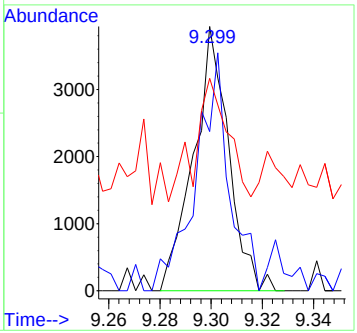


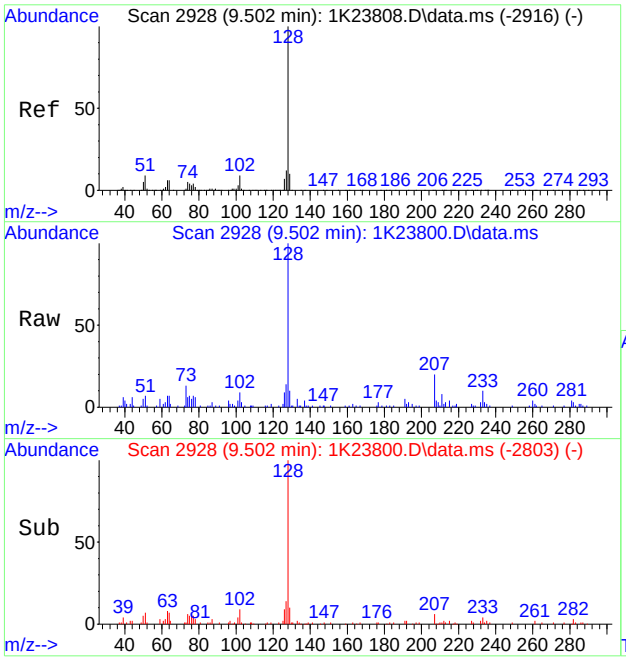


#118
hexachlorobutadiene
Concen: 2.18 ug/L
RT: 9.299 min Scan# 2865
Delta R.T. 0.000 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion:225 Resp: 3754

Ion	Ratio	Lower	Upper
225	100		
227	53.6	31.7	91.7
260	37.1	0.0	58.9

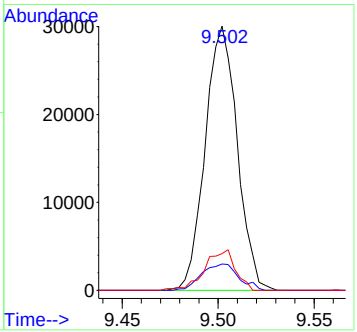


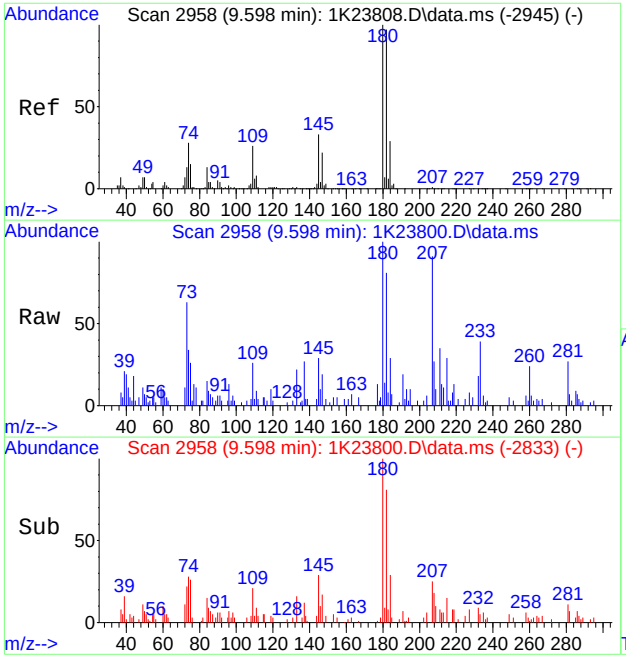


#119
naphthalene
Concen: 2.20 ug/L
RT: 9.502 min Scan# 2928
Delta R.T. 0.000 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion:128 Resp: 34974

Ion	Ratio	Lower	Upper
128	100		
129	10.0	0.0	40.4
127	13.9	0.0	42.3

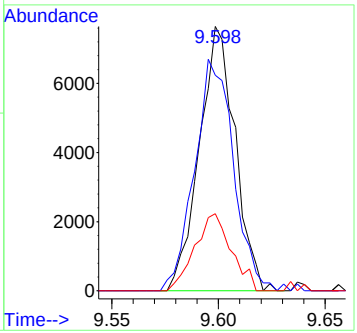


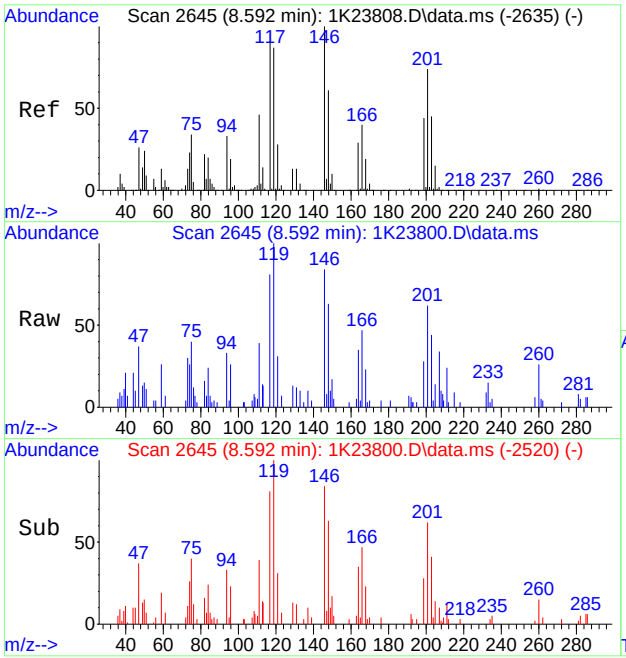


#120
1,2,3-trichlorobenzene
Concen: 2.03 ug/L
RT: 9.598 min Scan# 2958
Delta R.T. 0.000 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion:180 Resp: 8920

Ion	Ratio	Lower	Upper
180	100		
182	81.5	66.8	126.8
184	29.1	0.0	59.3

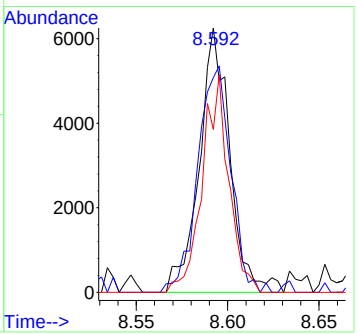


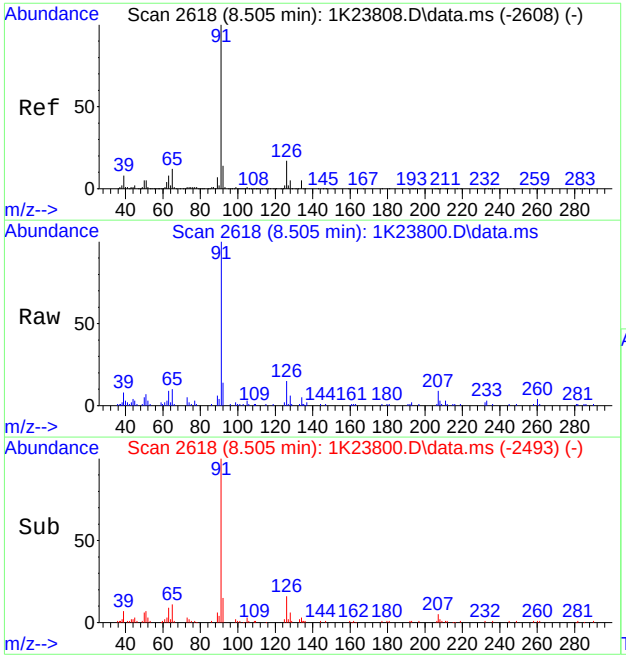


#121
hexachloroethane
Concen: 2.39 ug/L
RT: 8.592 min Scan# 2645
Delta R.T. 0.000 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion:119 Resp: 7328

Ion	Ratio	Lower	Upper
119	100		
117	81.2	74.2	134.2
201	61.6	55.5	115.5

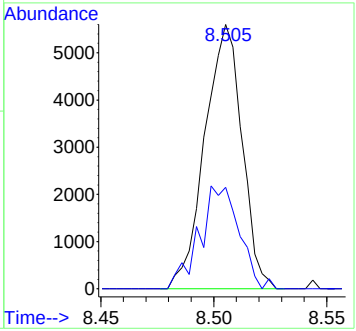


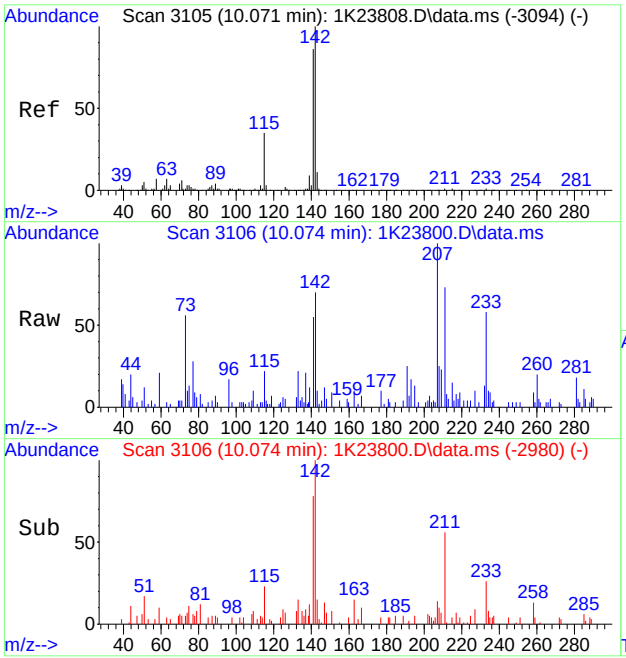


#122
benzyl chloride
Concen: 2.16 ug/L
RT: 8.505 min Scan# 2618
Delta R.T. 0.000 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion:126 Resp: 6393

Ion	Ratio	Lower	Upper
126	100		
128	38.3	0.0	59.1

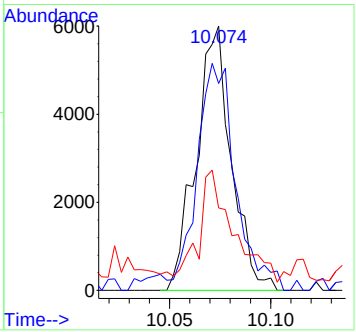




#123
2-methylnaphthalene
Concen: 1.12 ug/L
RT: 10.074 min Scan# 3106
Delta R.T. 0.004 min
Lab File: 1K23800.D
Acq: 5 Sep 2025 10:50 pm

Tgt Ion:142 Resp: 7221

Ion	Ratio	Lower	Upper
142	100		
141	78.2	56.3	116.3
115	25.0	4.7	64.7



Manual Integration Approval Summary

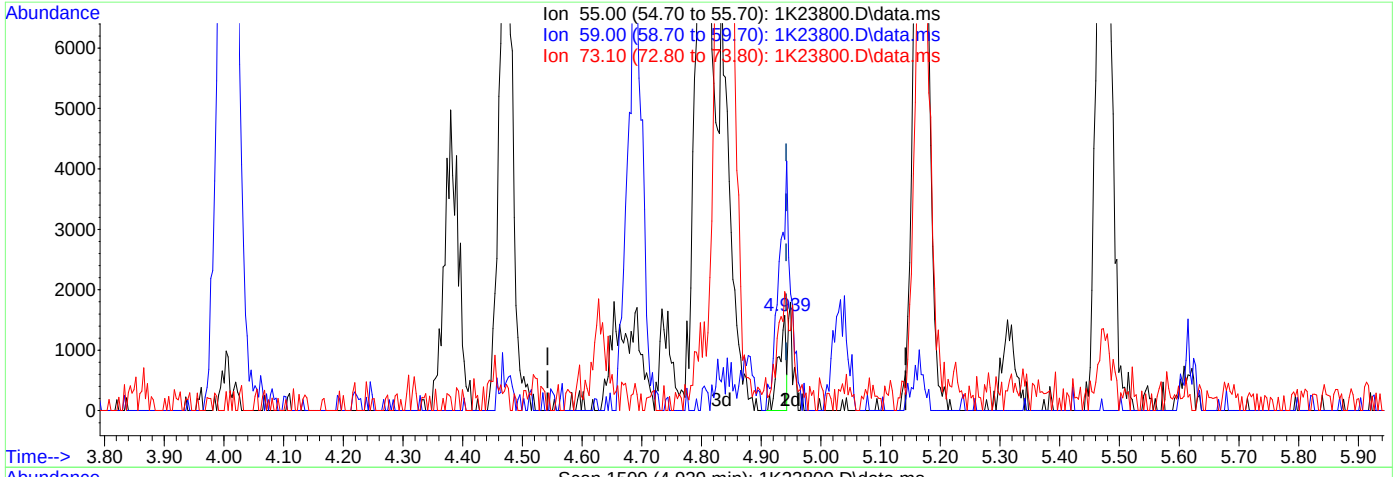
Sample Number:	V1K658-IC658	**Method:**	SW846 8260D
Lab FileID:	1K23800.D	**Analyst approved:**	09/08/25 12:39 MoHui Huang
Injection Time:	09/05/25 22:50	**Supervisor approved:**	09/08/25 19:13 Kanya Veerawat

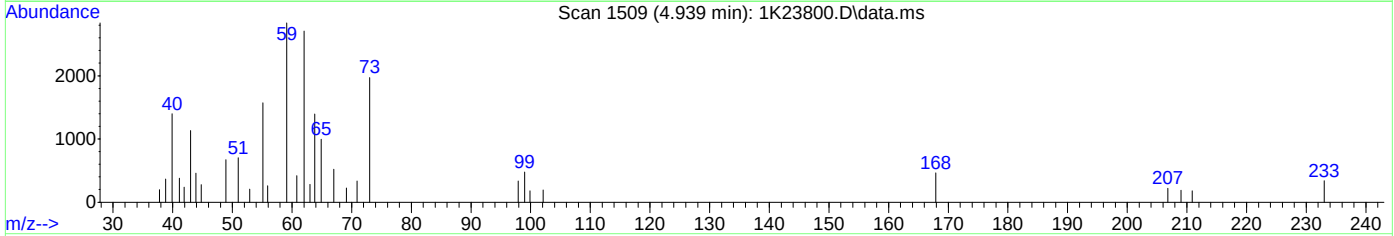
Parameter	CAS	Sig#	R.T. (min.)	Reason
Tert Amyl Alcohol	75-85-4		4.95	Split peak

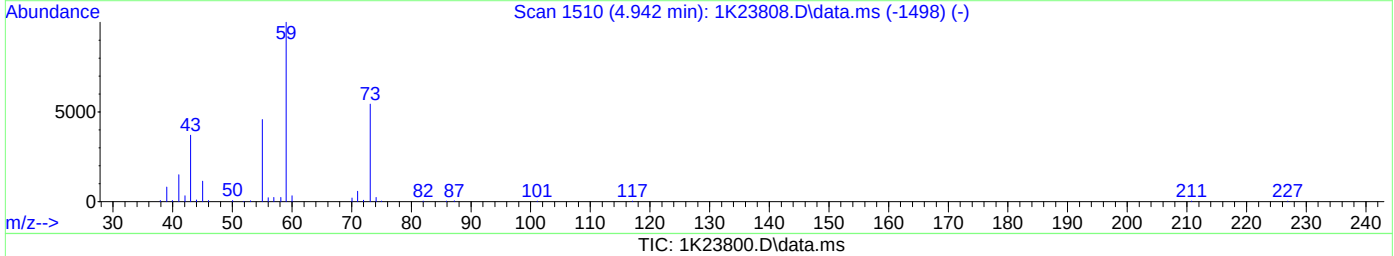
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 1K23800.D
Acq On : 5 Sep 2025 10:50 pm
Operator : PrashanS
Sample : IC658-2
Misc : MS95614,V1K658,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 08 11:22:38 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 11:22:28 2025
Response via : Initial Calibration







TIC: 1K23800.D\data.ms

(49) tert-amyl alcohol

4.939min (-0.003) 4.58ug/L

response 1363

Ion	Exp%	Act%
55.00	100	100
59.00	214.20	180.30#
73.10	121.10	90.72#
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 09/08/25 19:13

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 1K23802.D
Acq On : 5 Sep 2025 11:24 pm
Operator : PrashanS
Sample : IC658-4
Misc : MS95614,V1K658,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 08 11:34:56 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 11:30:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	3.486	65	221483	500.00	ug/L	0.00
5) pentafluorobenzene	4.804	168	713949	50.00	ug/L	0.00
50) 1,4-difluorobenzene	5.171	114	1105183	50.00	ug/L	0.00
72) chlorobenzene-d5	7.110	117	900272	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	8.376	152	428183	50.00	ug/L	0.00
124) pentafluorobenzene(a)	4.804	168	713949	50.00	ug/L	0.00
128) 1,4-dichlorobenzene-d4(a)	8.376	152	428183	50.00	ug/L	0.00
System Monitoring Compounds						
42) dibromofluoromethane (s)	4.524	113	304591	50.23	ug/L	0.00
Spiked Amount 50.000	Range 75 - 127		Recovery = 100.46%			
51) 1,2-dichloroethane-d4 (s)	4.878	65	387245	49.49	ug/L	0.00
Spiked Amount 50.000	Range 75 - 130		Recovery = 98.98%			
73) toluene-d8 (s)	6.119	98	1262631	50.58	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.16%			
97) 4-bromofluorobenzene (s)	7.791	95	450563	49.77	ug/L	0.00
Spiked Amount 50.000	Range 79 - 127		Recovery = 99.54%			
Target Compounds						Qvalue
2) ethanol	2.824	45	11663	413.1363	ug/L	83
3) tertiary butyl alcohol	3.541	59	11444	20.1272	ug/L	92
4) 1,4-dioxane	5.669	88	2006m	94.8707	ug/L	
6) chlorodifluoromethane	1.750	51	40973	3.9317	ug/L	97
7) dichlorodifluoromethane	1.714	85	28353	3.7699	ug/L	94
8) chloromethane	1.894	50	34230	3.9582	ug/L	90
9) vinyl chloride	1.962	62	27400	3.9067	ug/L	91
10) 1,3-butadiene	1.975	39	28157	3.7527	ug/L	83
11) bromomethane	2.251	96	7269	3.6304	ug/L #	91
12) chloroethane	2.367	64	15937	4.1042	ug/L	83
13) trichlorofluoromethane	2.479	101	40403	4.1494	ug/L	98
14) ethyl ether	2.721	74	12634	3.9040	ug/L	96
15) acrolein	3.145	56	5638	3.5830	ug/L	83
16) freon 113	2.920	151	16638	4.1002	ug/L	93
17) 1,1-dichloroethene	2.894	61	35899	3.8339	ug/L	98
18) acetone	3.344	58	10210	14.3770	ug/L #	76
19) acetonitrile	3.685	41	32186	34.6450	ug/L	95
20) iodomethane	3.020	142	12919	3.1324	ug/L	96
21) carbon disulfide	2.936	76	59514	3.9453	ug/L	96
22) methylene chloride	3.335	84	21571	4.1924	ug/L	83
23) methyl acetate	3.428	74	4390	3.6069	ug/L	99
24) methyl tert butyl ether	3.502	73	67017	3.9084	ug/L	93
25) trans-1,2-dichloroethene	3.444	96	20611	3.6967	ug/L	86
26) hexane	3.496	57	51391	3.6670	ug/L	98
27) di-isopropyl ether	3.756	45	87164	3.7471	ug/L	98
28) ethyl tert-butyl ether	4.007	59	77089	3.7565	ug/L	96
29) 2-butanone	4.592	72	11504	12.5073	ug/L	92
30) 1,1-dichloroethane	3.875	63	43237	4.0465	ug/L	92
31) chloroprene	3.859	53	46927	3.9487	ug/L	96
32) acrylonitrile	3.904	52	10340	3.8767	ug/L #	79
33) vinyl acetate	4.013	86	4946	3.6523	ug/L	99
34) ethyl acetate	4.457	70	2844	3.6382	ug/L #	44
35) 2,2-dichloropropane	4.309	77	35825	3.8566	ug/L	93
36) cis-1,2-dichloroethene	4.235	96	21328	3.7810	ug/L	90
37) propionitrile	4.798	54	45696	39.0168	ug/L	77
38) methyl acrylate	4.479	85	3028	2.7422	ug/L #	25
39) bromochloromethane	4.367	128	10138	3.9231	ug/L	94
40) tetrahydrofuran	4.512	71	3555	3.5584	ug/L #	66

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 1K23802.D
Acq On : 5 Sep 2025 11:24 pm
Operator : PrashanS
Sample : IC658-4
Misc : MS95614,V1K658,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 08 11:34:56 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 11:30:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) chloroform	4.402	83	40217	3.6507	ug/L		99
43) methacrylonitrile	4.811	67	12963	3.7281	ug/L		85
44) 1,1,1-trichloroethane	4.557	97	34563	3.8394	ug/L		90
45) cyclohexane	4.380	84	29452	3.8641	ug/L		91
46) 1,1-dichloropropene	4.631	75	28520	3.6458	ug/L		99
47) carbon tetrachloride	4.512	117	32207	3.6580	ug/L		96
49) tert-amyl alcohol	4.942	55	5029	18.8168	ug/L	#	64
52) iso-octane	4.688	57	82324	3.8432	ug/L		89
53) benzene	4.791	78	79581	3.6533	ug/L		94
54) tert-amyl methyl ether	4.836	73	67749	3.7848	ug/L		97
55) heptane	4.740	57	11921	3.5253	ug/L		94
56) isopropyl acetate	5.029	87	5948	3.7370	ug/L	#	40
57) 1,2-dichloroethane	4.923	62	34796	3.8088	ug/L		98
58) n-butyl alcohol	5.312	56	23457	142.2686	ug/L		85
59) ethyl acrylate	5.473	55	40941	3.8436	ug/L		99
60) trichloroethene	5.158	130	20805	3.8701	ug/L		89
61) 2-nitropropane	6.302	41	10792	3.8962	ug/L	#	63
62) 2-chloroethyl vinyl ether	5.923	63	70185	18.4443	ug/L		97
63) methyl methacrylate	5.614	100	7195	3.9787	ug/L	#	83
64) 1,2-dichloropropane	5.508	63	22404	3.6878	ug/L		97
65) methylcyclohexane	5.171	98	14233	3.5135	ug/L	#	64
66) dibromomethane	5.450	93	12342	3.6918	ug/L		90
67) bromodichloromethane	5.537	83	28576	3.8377	ug/L		99
68) epichlorohydrin	6.155	57	18379	21.2263	ug/L		93
69) cis-1,3-dichloropropene	5.984	75	34464	3.8992	ug/L		91
70) 4-methyl-2-pentanone	6.386	58	52135	15.0274	ug/L		95
71) 3-methyl-1-butanol	6.212	70	10420	67.9639	ug/L		93
74) toluene	6.155	92	52125	3.7480	ug/L		91
75) ethyl methacrylate	6.492	69	30181	3.8089	ug/L		97
76) trans-1,3-dichloropropene	6.421	75	33815	3.8324	ug/L		99
77) 1,1,2-trichloroethane	6.531	83	15124	4.0308	ug/L		97
78) tetrachloroethene	6.418	166	20184	3.7310	ug/L		93
79) 2-hexanone	6.904	58	54093	14.9045	ug/L		94
80) 1,3-dichloropropane	6.708	76	33404	3.9041	ug/L		99
81) butyl acetate	6.833	56	21572	3.6256	ug/L		91
82) dibromochloromethane	6.647	129	20231	3.6600	ug/L		93
83) 1,2-dibromoethane	6.817	107	19997	4.2222	ug/L		96
84) n-butyl ether	7.013	57	110455	3.8814	ug/L		99
85) chlorobenzene	7.119	112	55055	3.8487	ug/L		89
86) 1,1,1,2-tetrachloroethane	7.151	131	19226	3.6118	ug/L		87
87) ethylbenzene	7.119	91	99628	3.7431	ug/L		96
88) m,p-xylene	7.200	106	77028	7.8894	ug/L		92
89) o-xylene	7.454	106	36200	3.9162	ug/L		91
90) styrene	7.479	104	60171	3.8287	ug/L		97
91) bromoform	7.511	173	14903	3.9205	ug/L		89
92) butyl acrylate	7.521	55	58049	3.8609	ug/L		93
93) isopropylbenzene	7.624	105	88358	3.8538	ug/L		95
94) n-amyl acetate	7.659	70	19048	3.8512	ug/L		95
95) cis-1,4-dichloro-2-butene	7.814	88	11437	3.0292	ug/L	#	80
98) bromobenzene	7.859	156	22169	3.8716	ug/L		83
99) 1,1,2,2-tetrachloroethane	7.884	83	27123	3.7311	ug/L		87
100) trans-1,4-dichloro-2-b...	7.978	53	12924	4.1156	ug/L		96
101) 1,2,3-trichloropropane	7.962	110	9026	3.7058	ug/L		91
102) n-propylbenzene	7.849	91	102327	3.9088	ug/L		100
103) 2-chlorotoluene	7.949	126	20871	3.8771	ug/L	#	81
104) 4-chlorotoluene	8.029	91	66515	3.8251	ug/L		96
105) 1,3,5-trimethylbenzene	7.946	105	70121	3.9317	ug/L		95
106) tert-butylbenzene	8.122	119	61303	3.9112	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 1K23802.D
Acq On : 5 Sep 2025 11:24 pm
Operator : PrashanS
Sample : IC658-4
Misc : MS95614,V1K658,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 08 11:34:56 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 11:30:41 2025
Response via : Initial Calibration

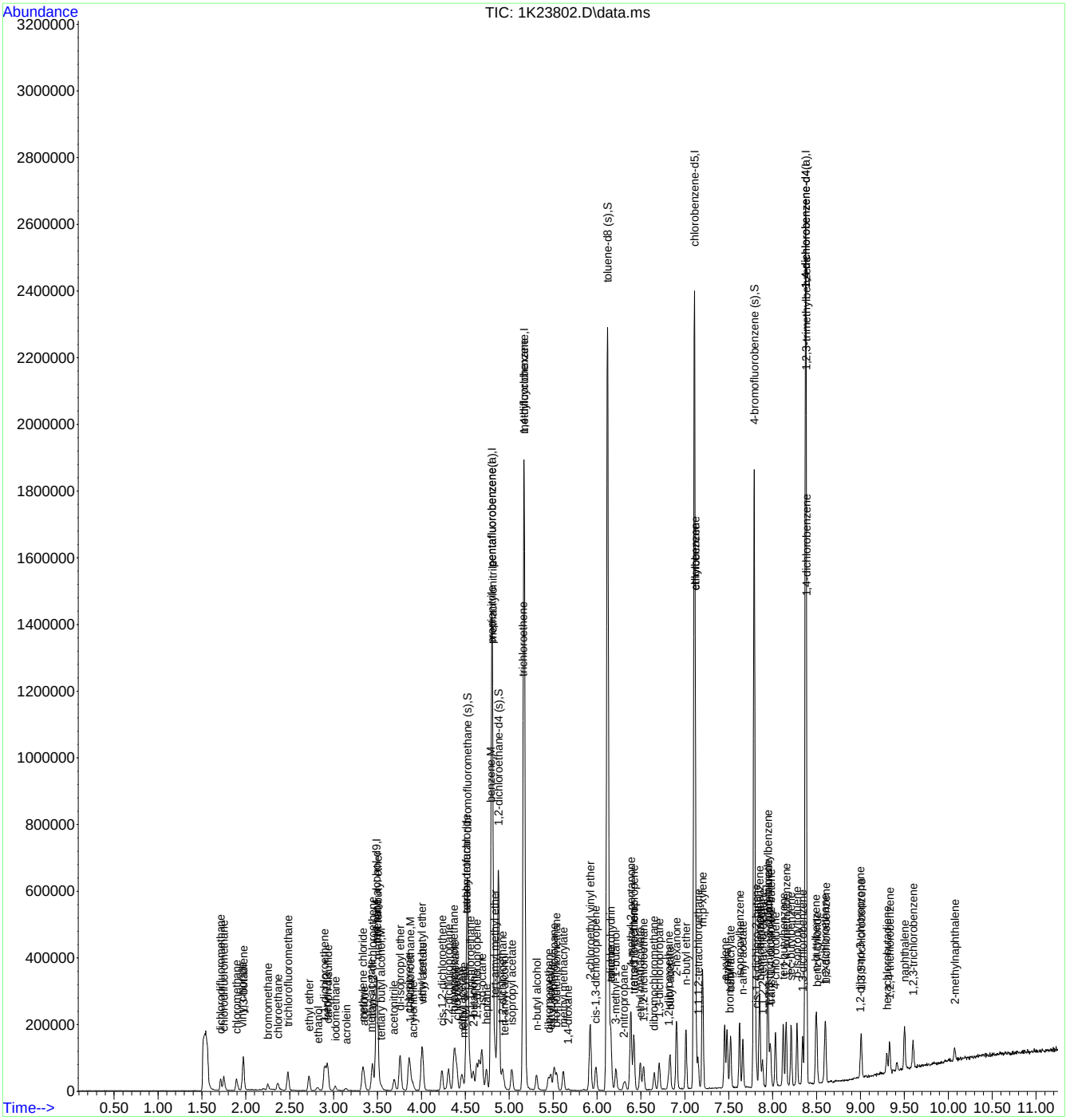
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
107) 1,2,4-trimethylbenzene	8.155	105	73008	3.8781	ug/L	99
108) sec-butylbenzene	8.209	105	80146	3.8785	ug/L	96
109) 1,3-dichlorobenzene	8.341	146	40321	3.8563	ug/L	96
110) p-isopropyltoluene	8.277	119	70950	3.9569	ug/L	98
111) 1,4-dichlorobenzene	8.386	146	40984	3.6994	ug/L	97
112) 1,2-dichlorobenzene	8.605	146	39098	3.9591	ug/L	94
113) 1,2,3-trimethylbenzene	8.383	105	73871	3.7908	ug/L	88
114) n-butylbenzene	8.492	92	36152	3.6876	ug/L	93
115) 1,2-dibromo-3-chloropr...	8.997	157	7816	3.8528	ug/L	86
116) 1,3,5-trichlorobenzene	9.010	180	22193	3.6650	ug/L	97
117) 1,2,4-trichlorobenzene	9.335	180	20309	3.7585	ug/L	87
118) hexachlorobutadiene	9.302	225	7440	3.9740	ug/L	90
119) naphthalene	9.502	128	66409	3.9172	ug/L	97
120) 1,2,3-trichlorobenzene	9.598	180	18382	3.9996	ug/L	89
121) hexachloroethane	8.595	119	12861	3.7837	ug/L	88
122) benzyl chloride	8.505	126	12211	3.8594	ug/L	82
123) 2-methylnaphthalene	10.074	142	13015	1.8617	ug/L	83

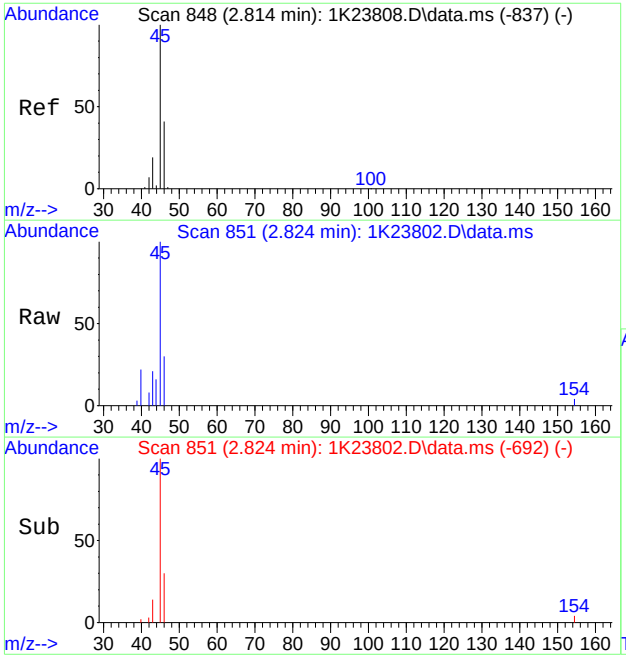
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 1K23802.D
Acq On : 5 Sep 2025 11:24 pm
Operator : PrashanS
Sample : IC658-4
Misc : MS95614,V1K658,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 08 11:34:56 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 11:30:41 2025
Response via : Initial Calibration

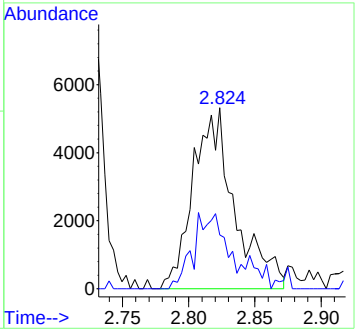


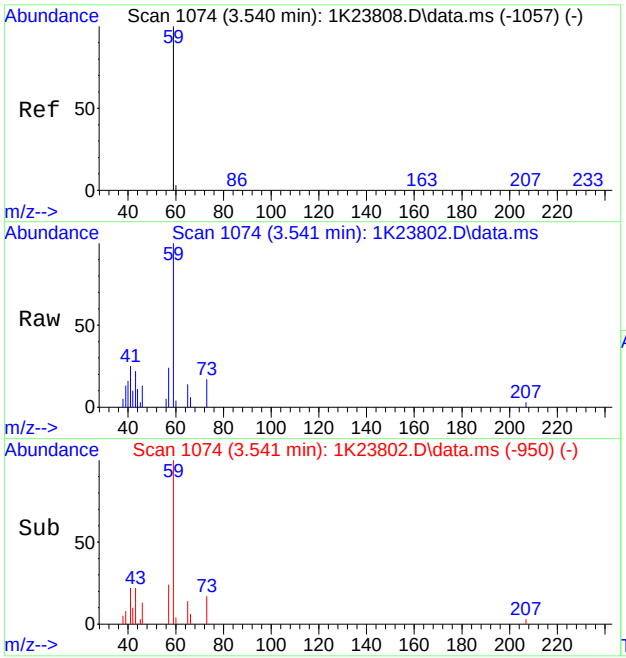


#2
ethanol
Concen: 413.14 ug/L
RT: 2.824 min Scan# 851
Delta R.T. 0.010 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion: 45 Resp: 11663

Ion	Ratio	Lower	Upper
45	100		
46	29.8	20.3	60.3

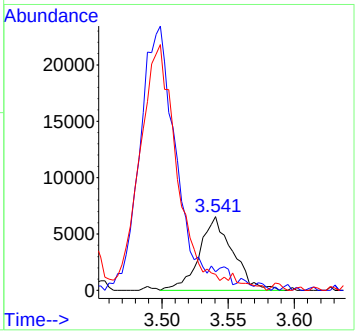


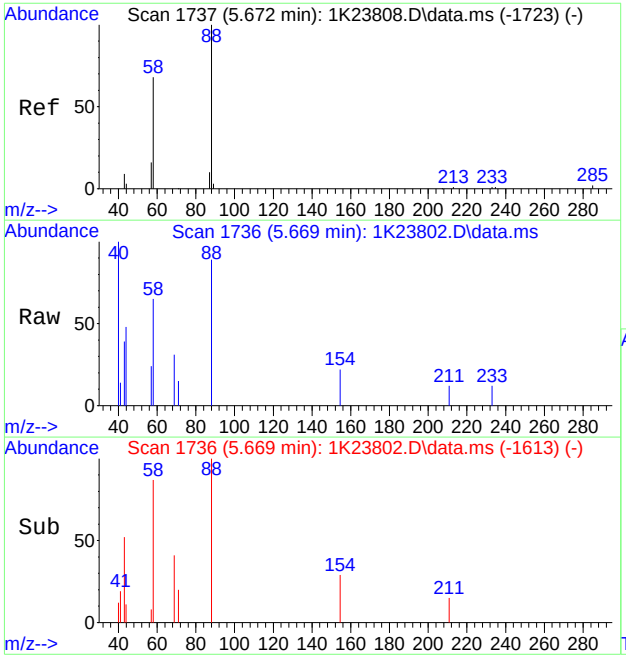


#3
tertiary butyl alcohol
Concen: 20.13 ug/L
RT: 3.541 min Scan# 1074
Delta R.T. 0.000 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion: 59 Resp: 11444

Ion	Ratio	Lower	Upper
59	100		
41	20.6	0.0	46.0
43	18.3	0.0	51.1

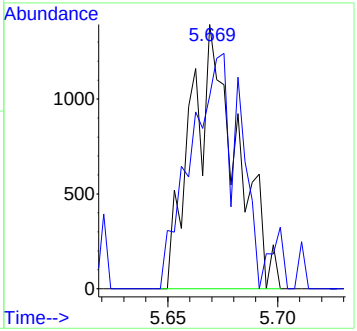


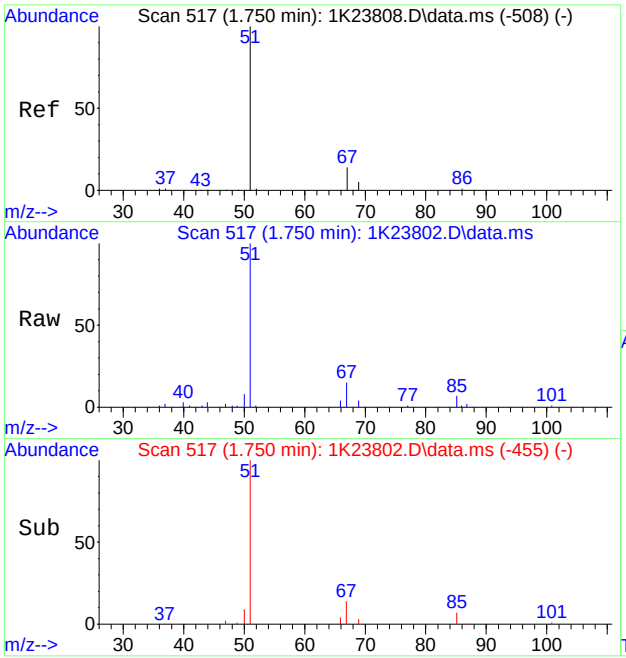


#4
1,4-dioxane
Concen: 94.87 ug/L m
RT: 5.669 min Scan# 1736
Delta R.T. -0.003 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion: 88 Resp: 2006

Ion	Ratio	Lower	Upper
88	100		
58	72.9	53.2	93.2

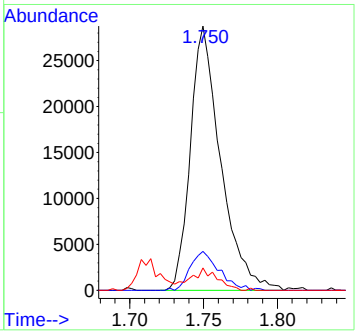


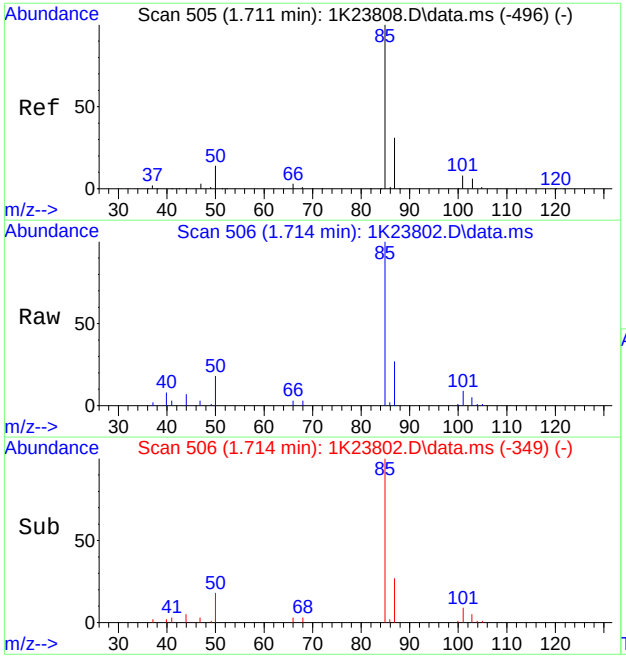


#6
chlorodifluoromethane
Concen: 3.93 ug/L
RT: 1.750 min Scan# 517
Delta R.T. 0.000 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion: 51 Resp: 40973

Ion	Ratio	Lower	Upper
51	100		
67	14.8	0.0	44.3
50	8.5	0.0	36.5

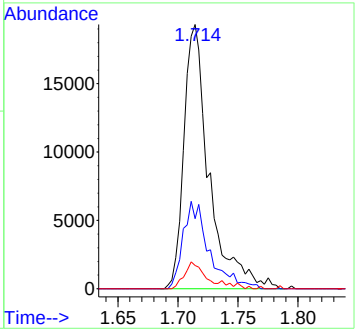


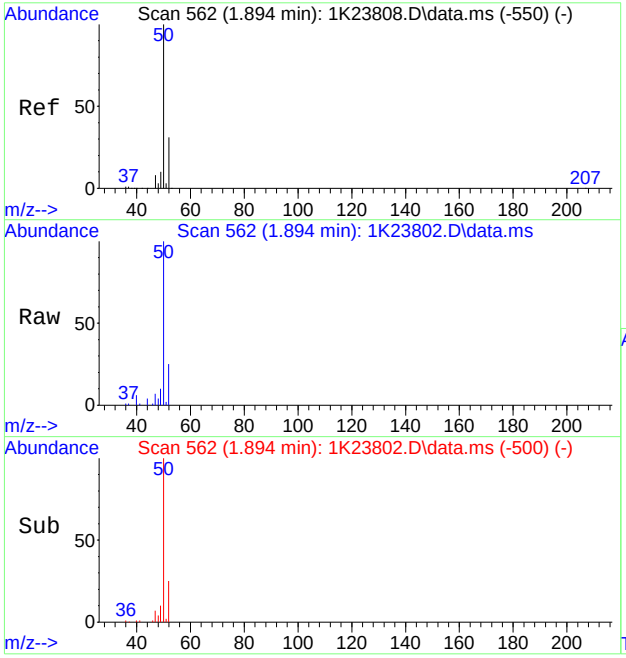


#7
dichlorodifluoromethane
Concen: 3.77 ug/L
RT: 1.714 min Scan# 506
Delta R.T. 0.003 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion: 85 Resp: 28353

Ion	Ratio	Lower	Upper
85	100		
87	26.6	0.7	60.7
101	8.8	0.0	38.3

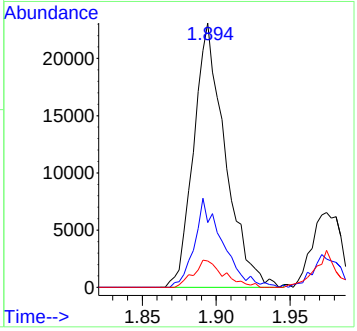


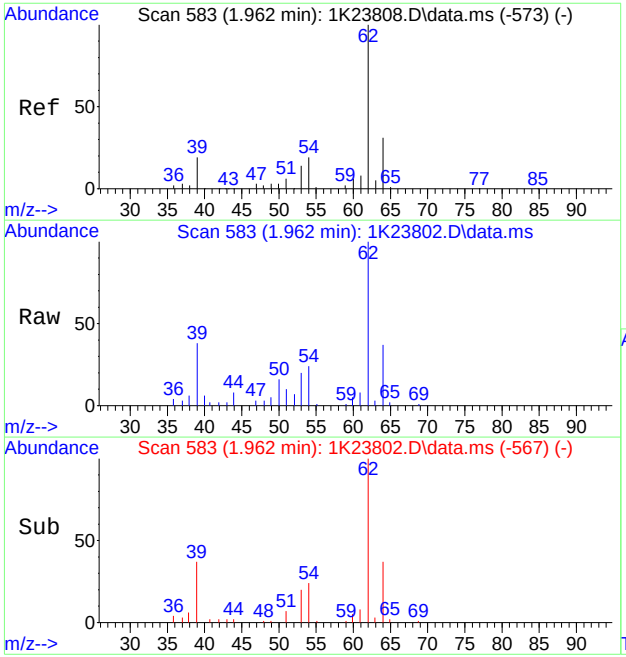


#8
chloromethane
Concen: 3.96 ug/L
RT: 1.894 min Scan# 562
Delta R.T. 0.000 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion: 50 Resp: 34230

Ion	Ratio	Lower	Upper
50	100		
52	24.5	1.4	61.4
49	9.9	0.0	40.1

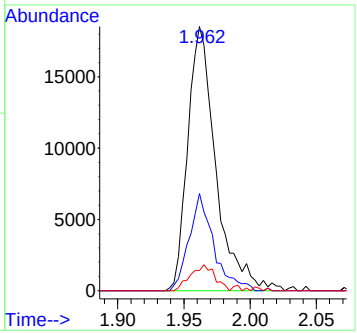


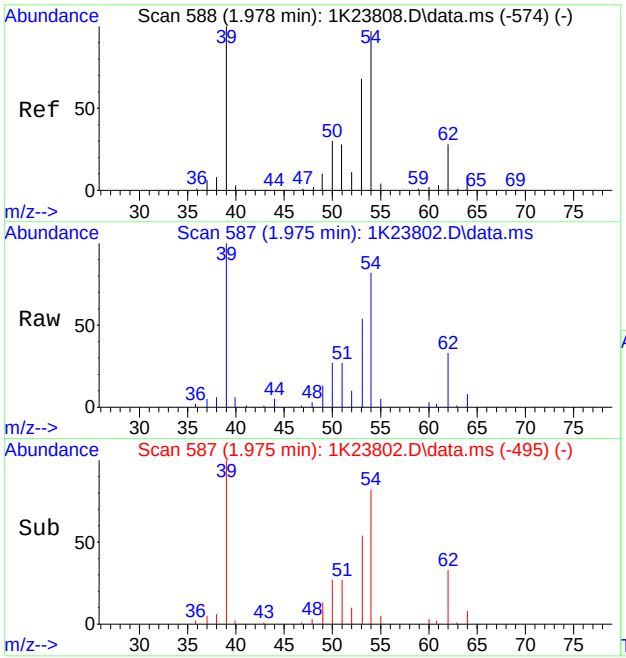


#9
vinyl chloride
Concen: 3.91 ug/L
RT: 1.962 min Scan# 583
Delta R.T. 0.000 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion: 62 Resp: 27400

Ion	Ratio	Lower	Upper
62	100		
64	36.8	0.6	60.6
61	7.7	0.0	38.4

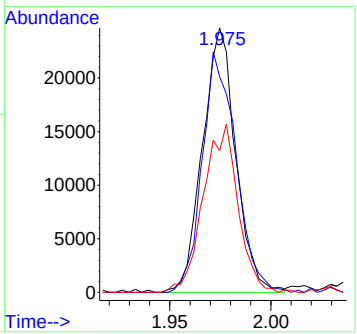


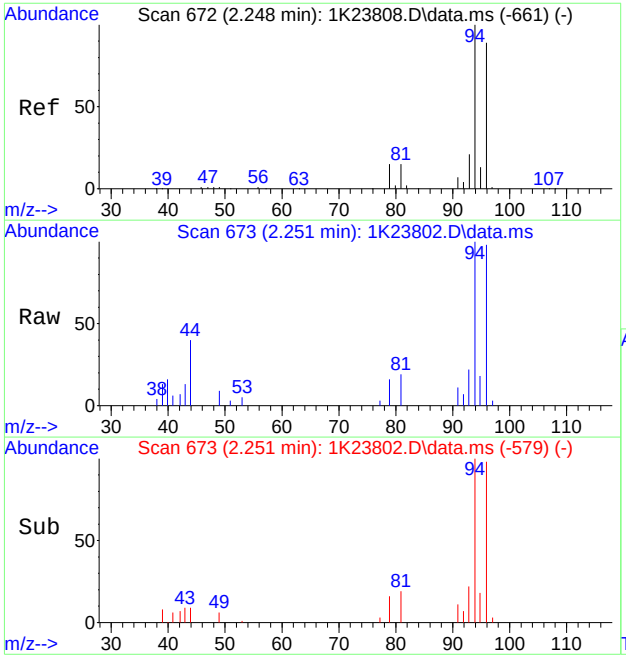


#10
1,3-butadiene
Concen: 3.75 ug/L
RT: 1.975 min Scan# 587
Delta R.T. -0.003 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion: 39 Resp: 28157

Ion	Ratio	Lower	Upper
39	100		
54	81.6	67.0	127.0
53	53.5	38.5	98.5

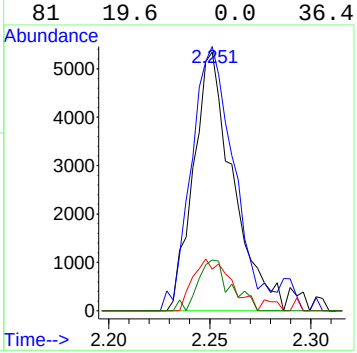


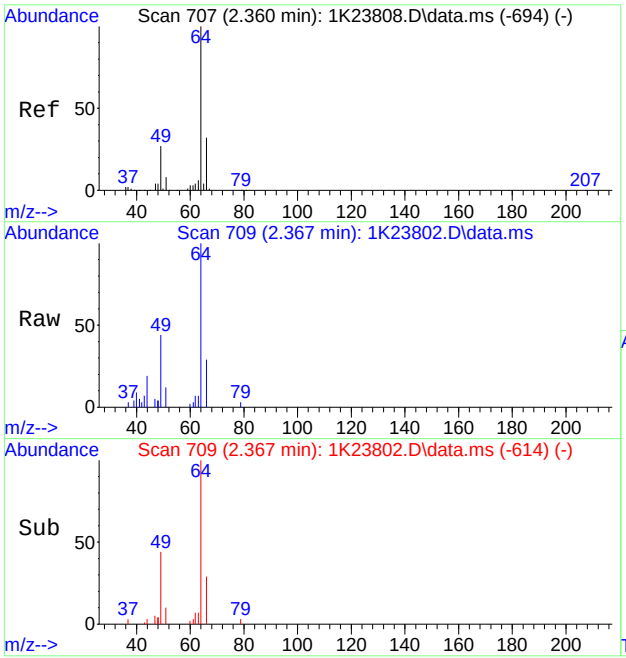


#11
bromomethane
Concen: 3.63 ug/L
RT: 2.251 min Scan# 673
Delta R.T. 0.003 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion: 96 Resp: 7269

Ion	Ratio	Lower	Upper
96	100		
94	102.2	82.9	142.9
79	16.1	17.4	17.4#
81	19.6	0.0	36.4

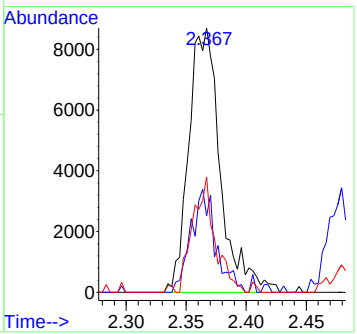




#12
chloroethane
Concen: 4.10 ug/L
RT: 2.367 min Scan# 709
Delta R.T. 0.007 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

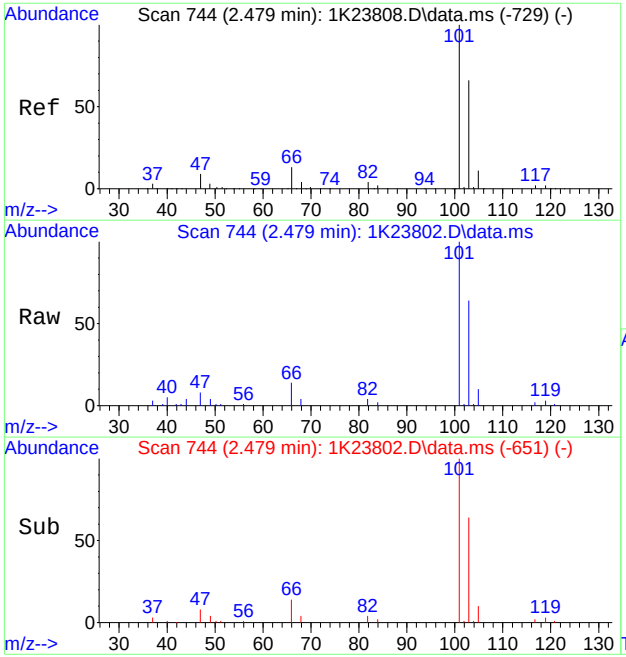
Tgt Ion: 64 Resp: 15937

Ion	Ratio	Lower	Upper
64	100		
66	29.0	1.6	61.6
49	43.7	0.0	57.3



7.6.5

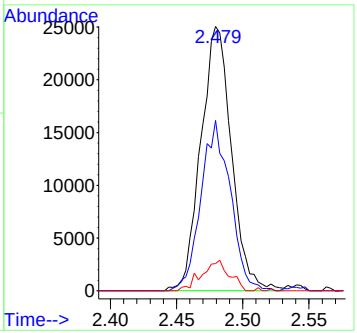
7

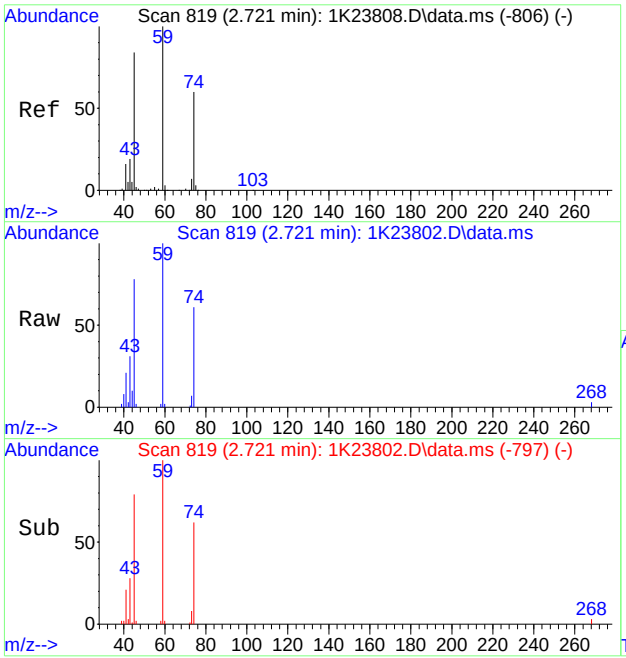


#13
trichlorofluoromethane
Concen: 4.15 ug/L
RT: 2.479 min Scan# 744
Delta R.T. 0.000 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion:101 Resp: 40403

Ion	Ratio	Lower	Upper
101	100		
103	64.4	35.9	95.9
105	10.3	0.0	40.9

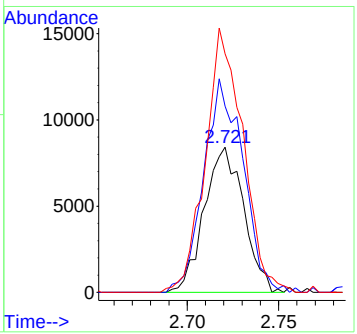


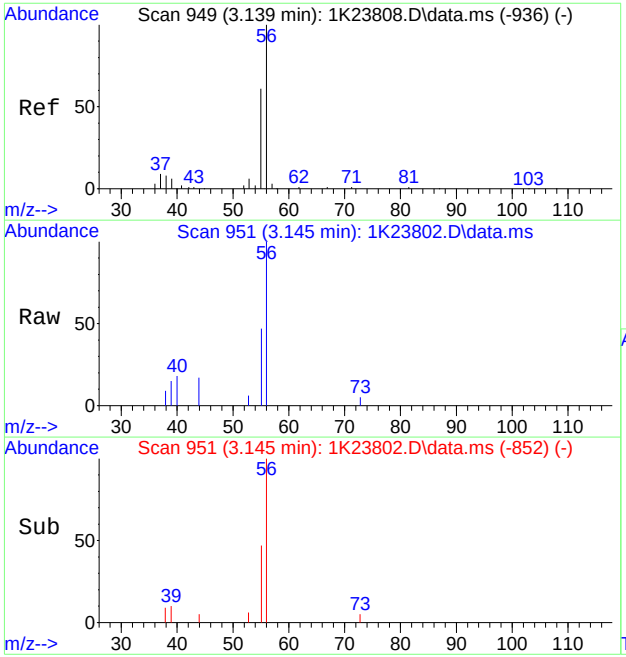


#14
ethyl ether
Concen: 3.90 ug/L
RT: 2.721 min Scan# 819
Delta R.T. 0.000 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion: 74 Resp: 12634

Ion	Ratio	Lower	Upper
74	100		
45	128.0	108.3	168.3
59	164.0	135.3	195.3

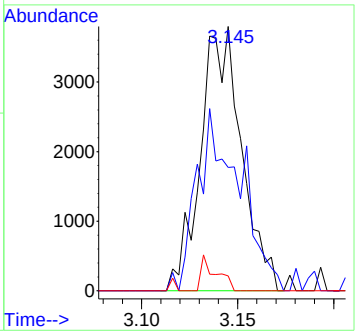


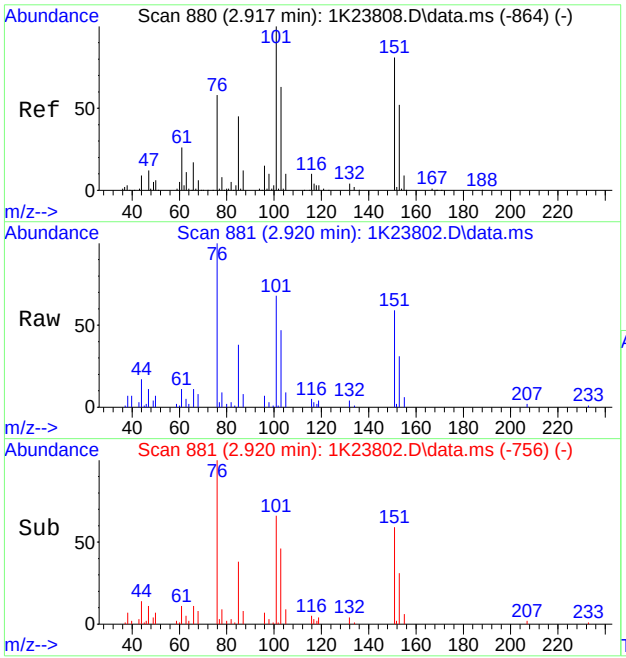


#15
acrolein
Concen: 3.58 ug/L
RT: 3.145 min Scan# 951
Delta R.T. 0.007 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion: 56 Resp: 5638

Ion	Ratio	Lower	Upper
56	100		
55	46.6	30.8	90.8
53	5.6	0.0	35.9

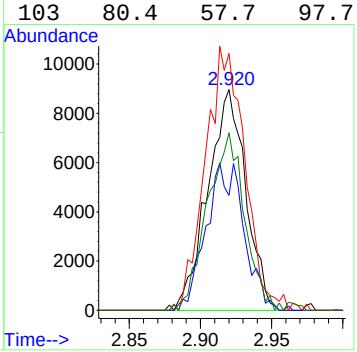


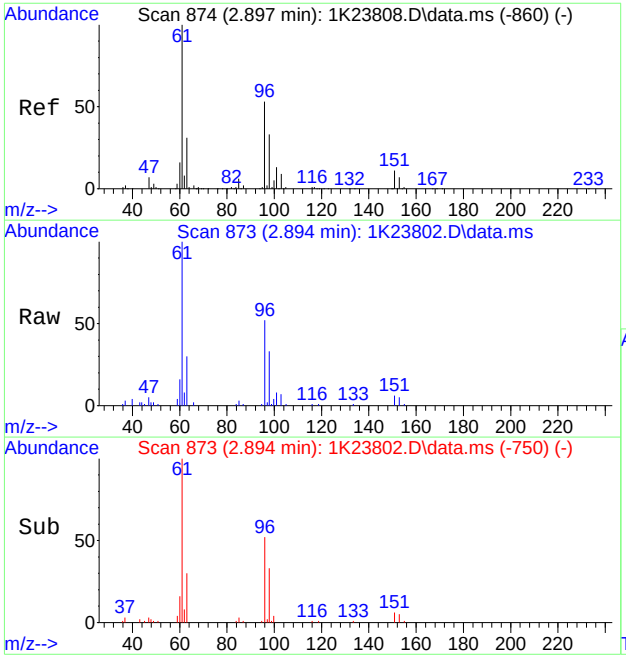


#16
freon 113
Concen: 4.10 ug/L
RT: 2.920 min Scan# 881
Delta R.T. 0.003 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion:151 Resp: 16638

Ion	Ratio	Lower	Upper
151	100		
153	52.0	44.4	84.4
101	116.4	102.8	142.8
103	80.4	57.7	97.7

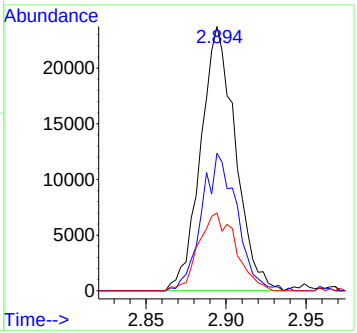


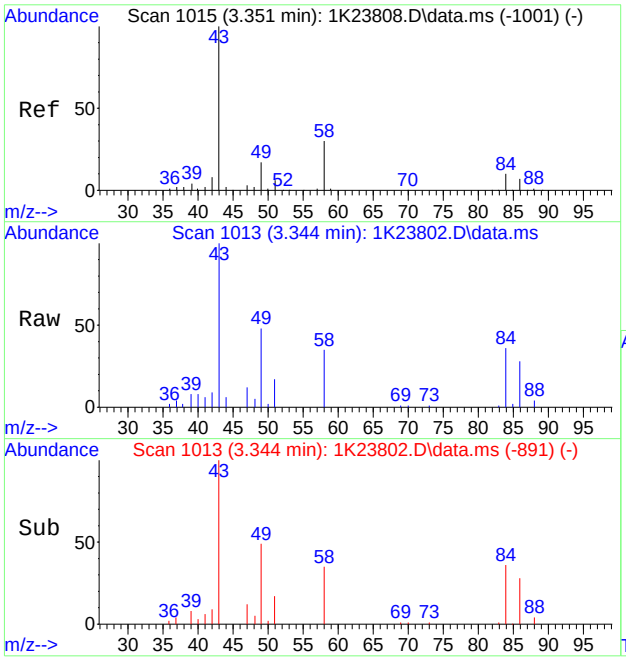


#17
1,1-dichloroethene
Concen: 3.83 ug/L
RT: 2.894 min Scan# 873
Delta R.T. -0.003 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion: 61 Resp: 35899

Ion	Ratio	Lower	Upper
61	100		
96	52.0	23.2	83.2
63	29.5	1.0	61.0

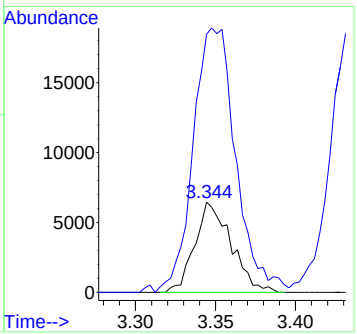


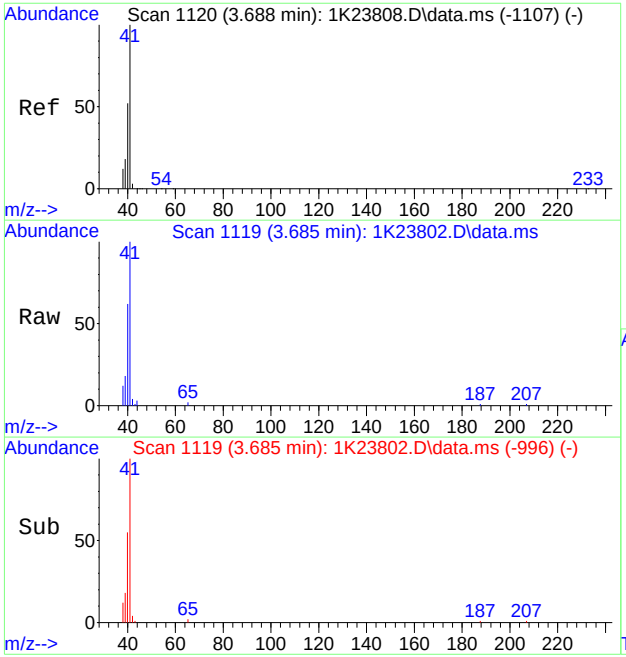


#18
acetone
Concen: 14.38 ug/L
RT: 3.344 min Scan# 1013
Delta R.T. -0.006 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion: 58 Resp: 10210

Ion	Ratio	Lower	Upper
58	100		
43	280.1	300.4	360.4#

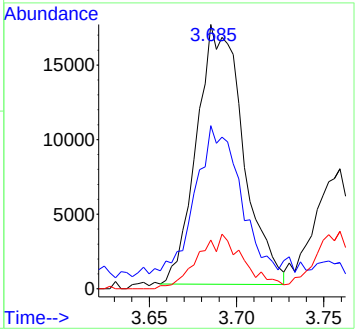


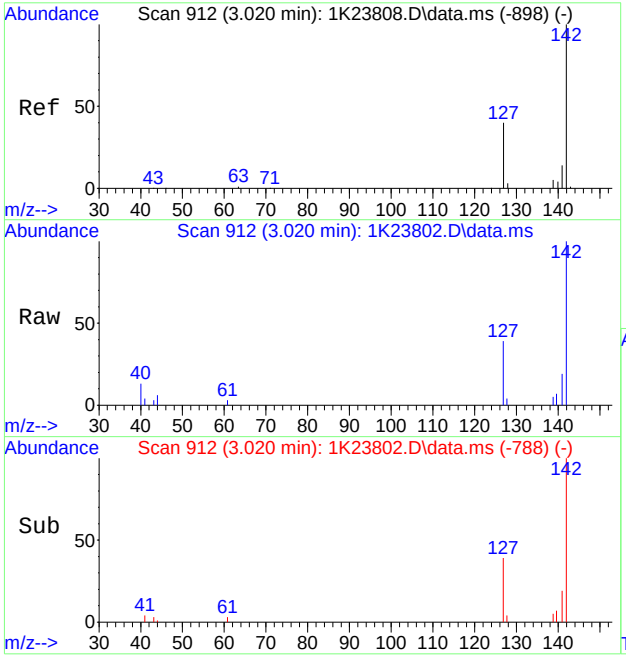


#19
acetonitrile
Concen: 34.64 ug/L
RT: 3.685 min Scan# 1119
Delta R.T. -0.003 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion: 41 Resp: 32186

Ion	Ratio	Lower	Upper
41	100		
40	56.0	21.7	81.7
39	17.6	0.0	47.9

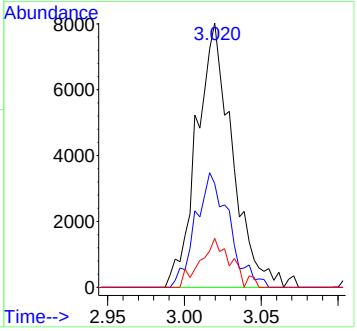


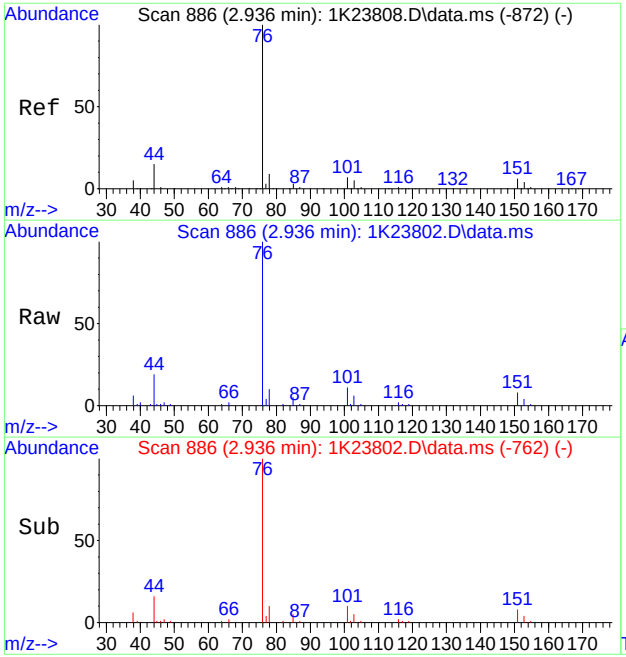


#20
iodomethane
Concen: 3.13 ug/L
RT: 3.020 min Scan# 912
Delta R.T. 0.000 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion:142 Resp: 12919

Ion	Ratio	Lower	Upper
142	100		
127	39.2	9.9	69.9
141	18.5	0.0	44.3

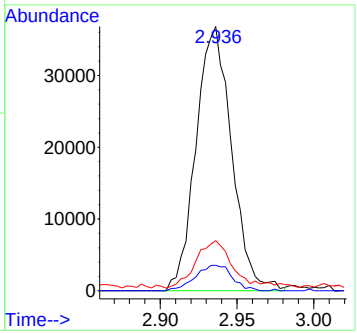


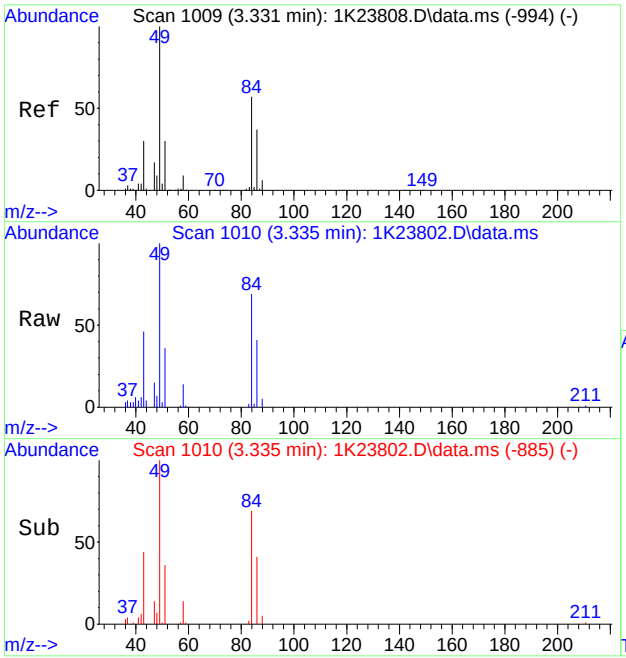


#21
carbon disulfide
Concen: 3.95 ug/L
RT: 2.936 min Scan# 886
Delta R.T. 0.000 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion: 76 Resp: 59514

Ion	Ratio	Lower	Upper
76	100		
78	9.7	0.0	39.5
44	17.3	0.0	44.8

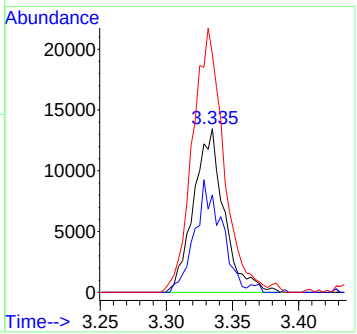


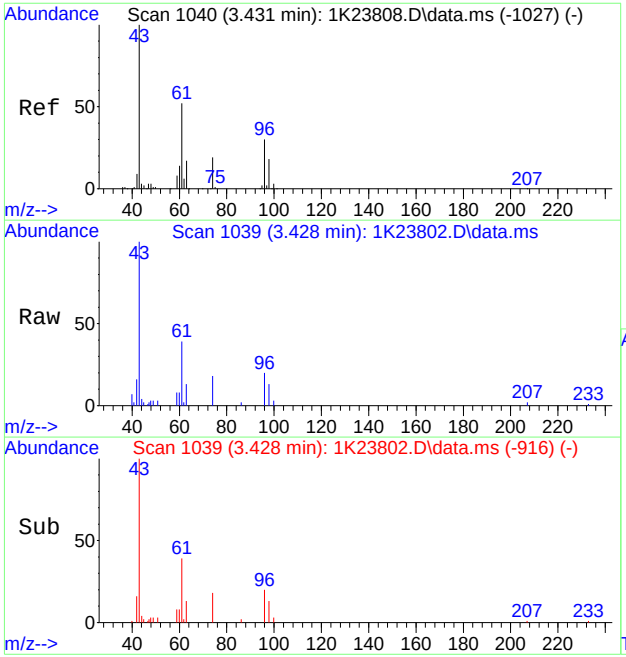


#22
methylene chloride
Concen: 4.19 ug/L
RT: 3.335 min Scan# 1010
Delta R.T. 0.003 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion: 84 Resp: 21571

Ion	Ratio	Lower	Upper
84	100		
86	59.6	35.3	95.3
49	145.2	144.8	204.8

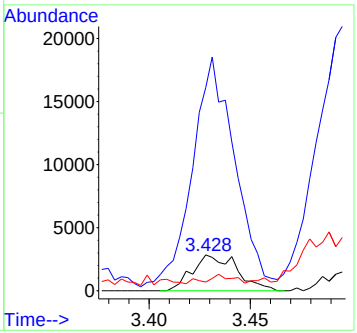


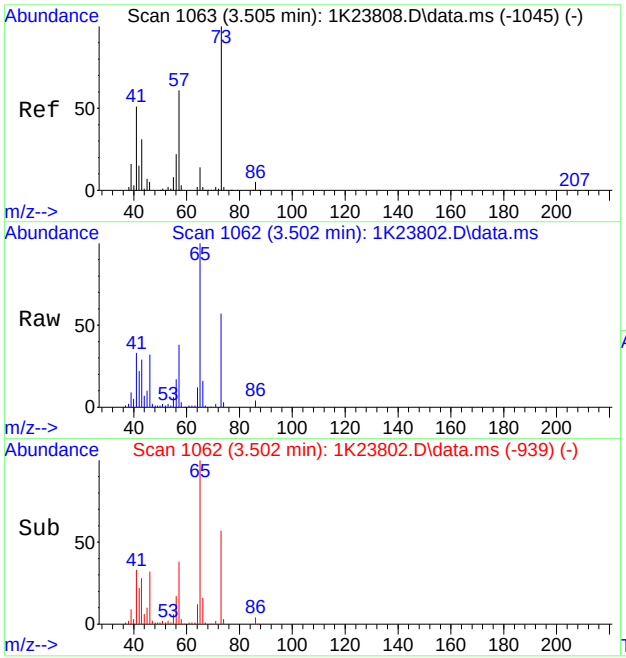


#23
methyl acetate
Concen: 3.61 ug/L
RT: 3.428 min Scan# 1039
Delta R.T. -0.003 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion: 74 Resp: 4390

Ion	Ratio	Lower	Upper
74	100		
43	521.3	491.2	551.2
44	0.0	0.0	44.3

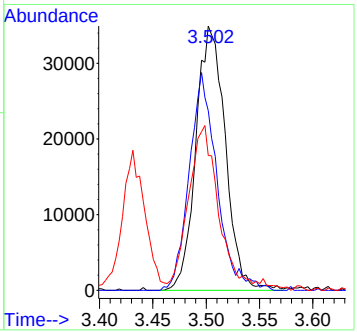


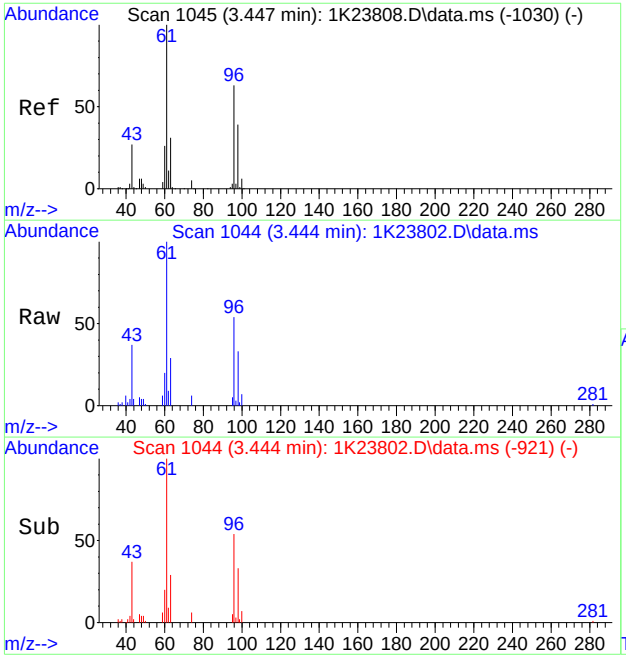


#24
methyl tert butyl ether
Concen: 3.91 ug/L
RT: 3.502 min Scan# 1062
Delta R.T. -0.003 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion: 73 Resp: 67017

Ion	Ratio	Lower	Upper
73	100		
57	68.4	30.7	90.7
43	50.2	18.2	78.2

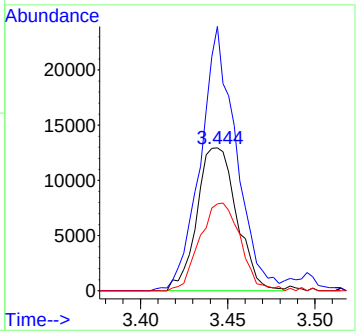


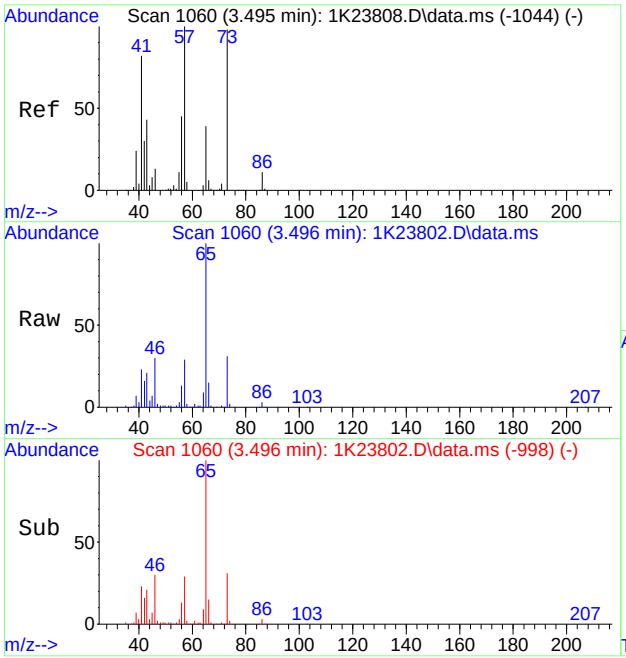


#25
trans-1,2-dichloroethene
Concen: 3.70 ug/L
RT: 3.444 min Scan# 1044
Delta R.T. -0.003 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion: 96 Resp: 20611

Ion	Ratio	Lower	Upper
96	100		
61	182.9	128.8	188.8
98	60.8	32.4	92.4

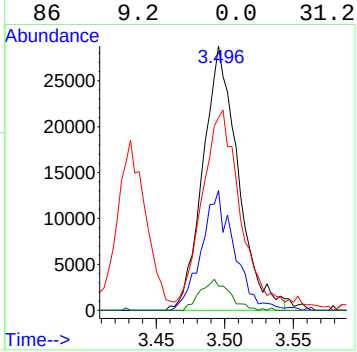


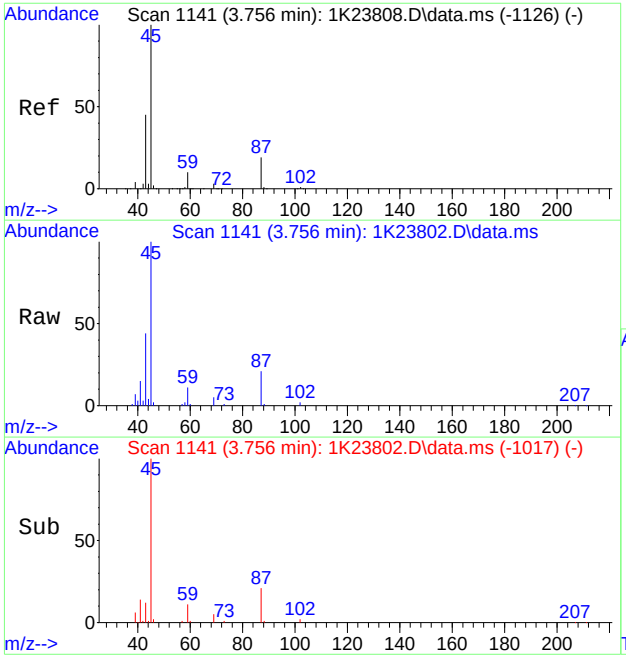


#26
hexane
Concen: 3.67 ug/L
RT: 3.496 min Scan# 1060
Delta R.T. 0.000 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion: 57 Resp: 51391

Ion	Ratio	Lower	Upper
57	100		
56	45.4	24.9	64.9
43	69.8	50.9	90.9
86	9.2	0.0	31.2

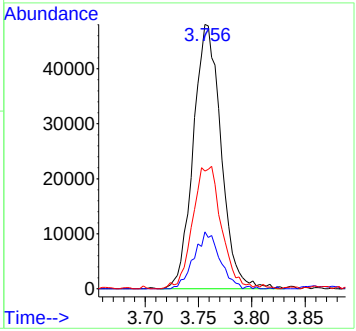


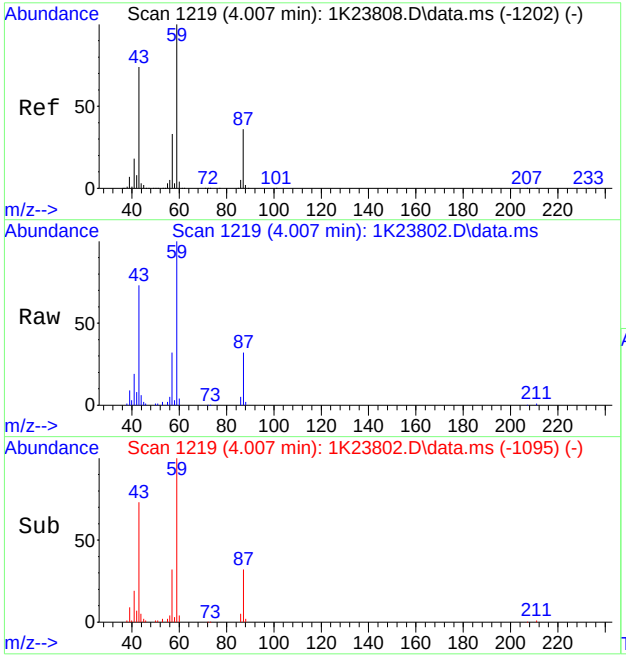


#27
di-isopropyl ether
Concen: 3.75 ug/L
RT: 3.756 min Scan# 1141
Delta R.T. 0.000 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion: 45 Resp: 87164

Ion	Ratio	Lower	Upper
45	100		
87	21.5	0.0	48.8
43	44.5	14.9	74.9

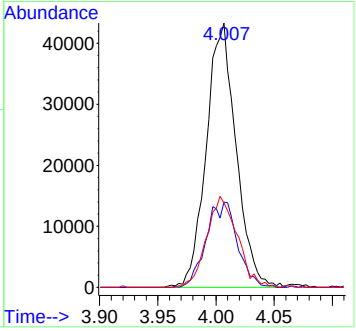


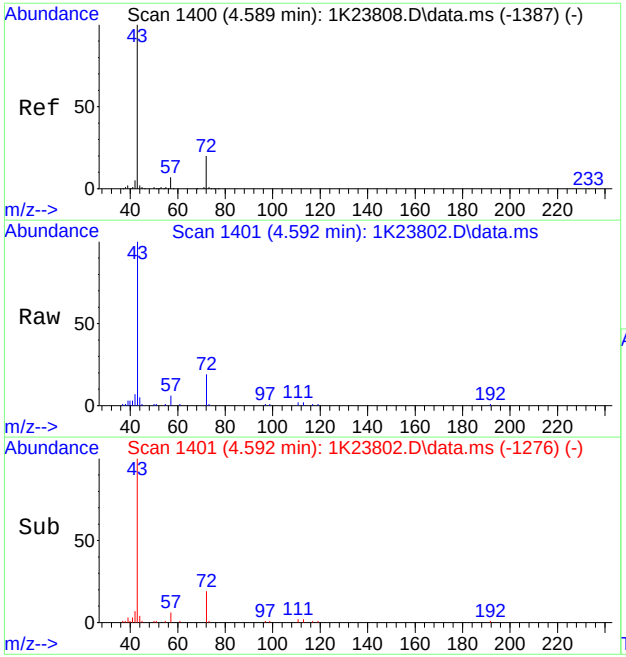


#28
ethyl tert-butyl ether
Concen: 3.76 ug/L
RT: 4.007 min Scan# 1219
Delta R.T. 0.000 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion: 59 Resp: 77089

Ion	Ratio	Lower	Upper
59	100		
57	32.2	2.6	62.6
87	31.9	5.8	65.8

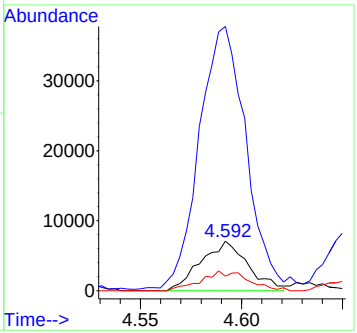


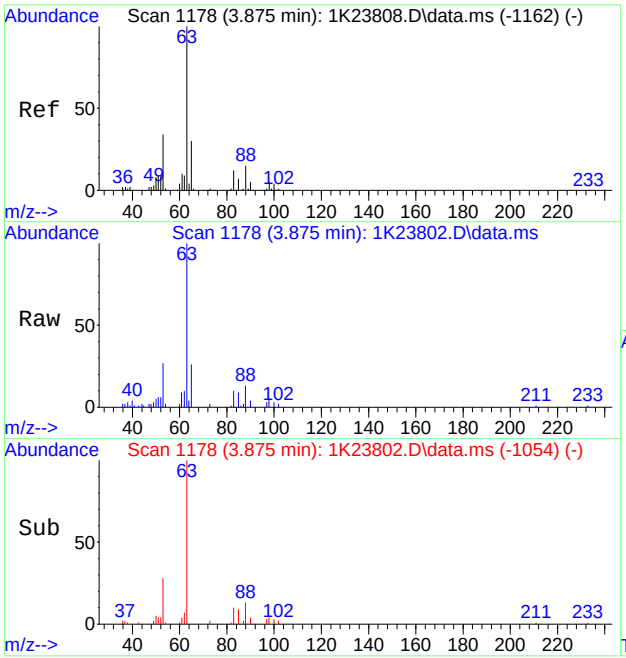


#29
2-butanone
Concen: 12.51 ug/L
RT: 4.592 min Scan# 1401
Delta R.T. 0.003 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion: 72 Resp: 11504

Ion	Ratio	Lower	Upper
72	100		
43	526.8	475.4	535.4
57	29.5	5.7	65.7

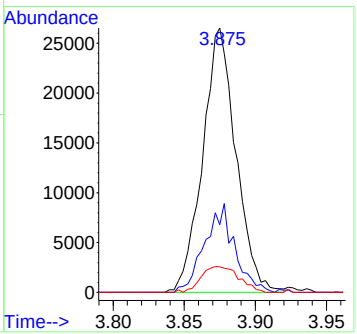


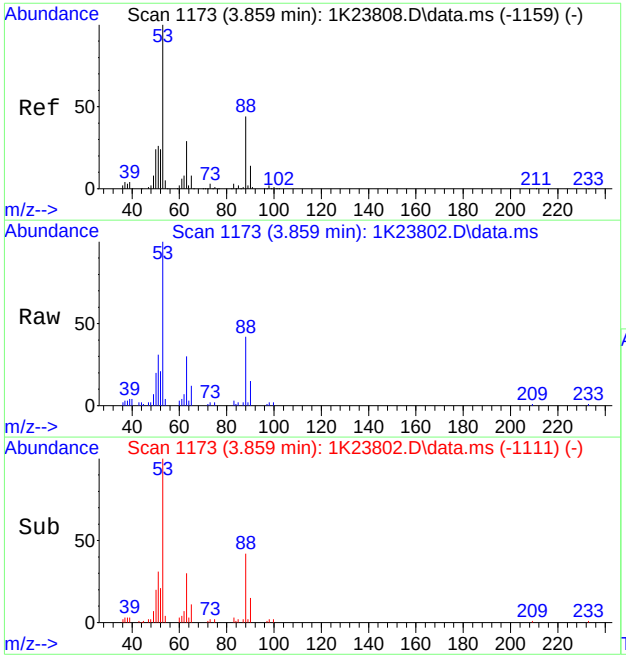


#30
1,1-dichloroethane
Concen: 4.05 ug/L
RT: 3.875 min Scan# 1178
Delta R.T. 0.000 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion: 63 Resp: 43237

Ion	Ratio	Lower	Upper
63	100		
65	25.6	0.2	60.2
83	9.6	0.0	42.0

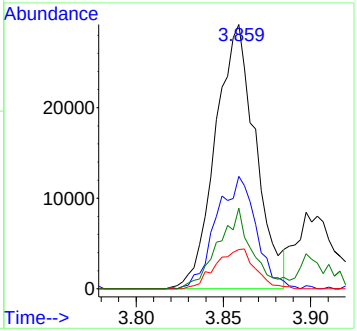


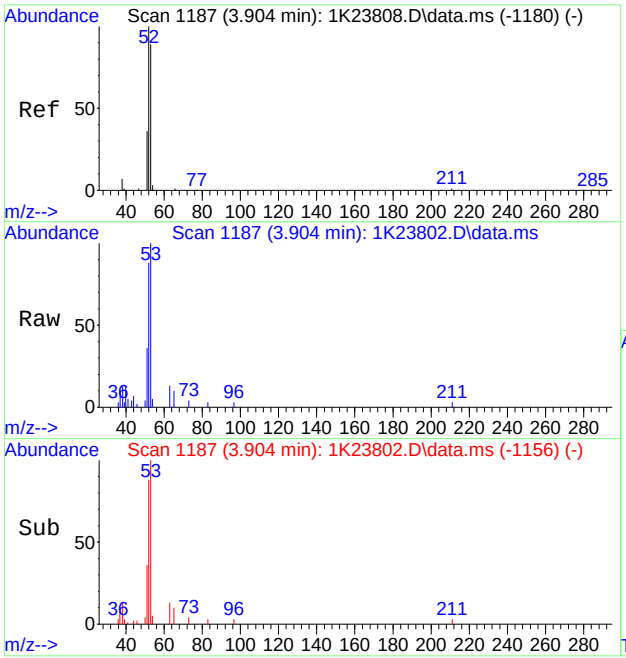


#31
chloroprene
Concen: 3.95 ug/L
RT: 3.859 min Scan# 1173
Delta R.T. 0.000 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion: 53 Resp: 46927

Ion	Ratio	Lower	Upper
53	100		
88	42.5	13.8	73.8
90	14.9	0.0	44.2
51	30.5	0.0	56.1

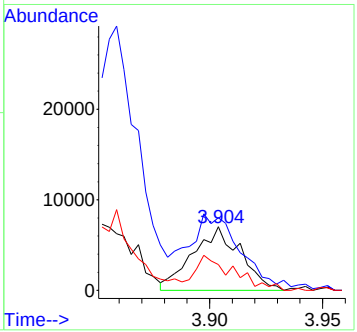


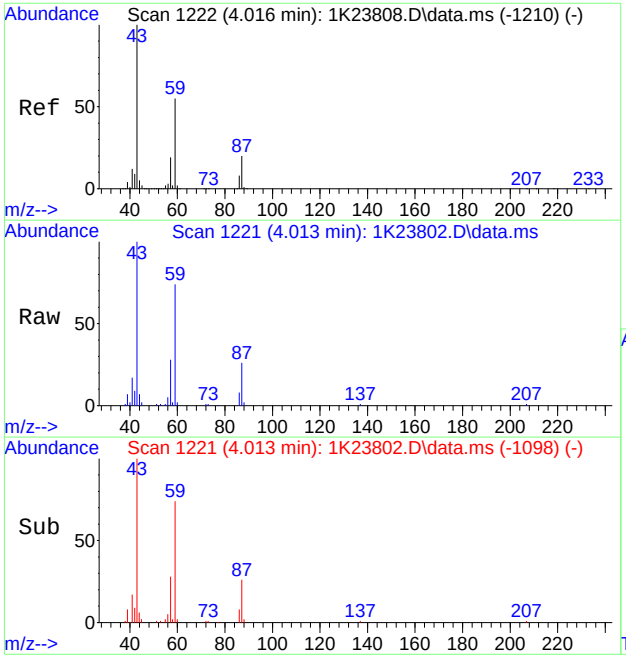


#32
acrylonitrile
Concen: 3.88 ug/L
RT: 3.904 min Scan# 1187
Delta R.T. 0.000 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion: 52 Resp: 10340

Ion	Ratio	Lower	Upper
52	100		
53	98.0	99.5	159.5#
51	40.7	13.8	73.8

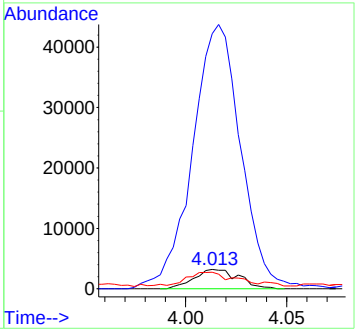


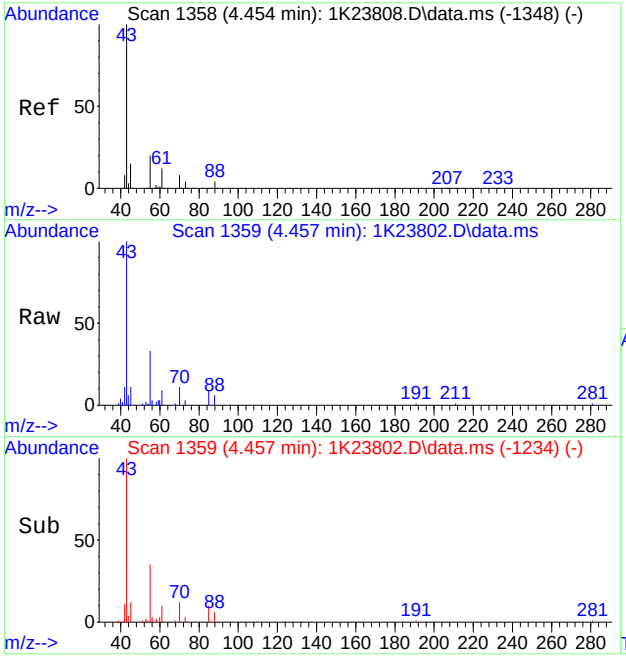


#33
vinyl acetate
Concen: 3.65 ug/L
RT: 4.013 min Scan# 1221
Delta R.T. -0.003 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion: 86 Resp: 4946

Ion	Ratio	Lower	Upper
86	100		
43	1278.0	1252.8	1312.8
44	70.5	39.9	99.9

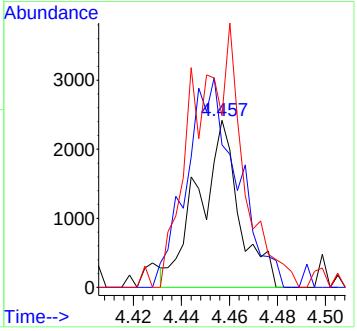


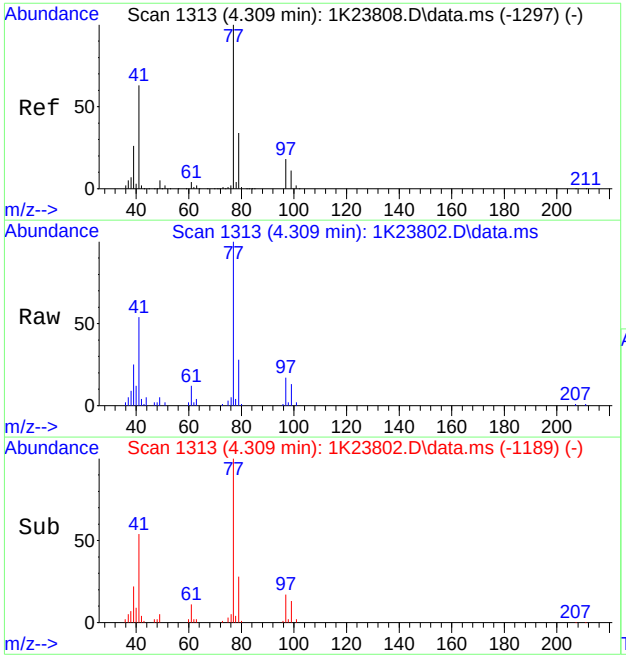


#34
ethyl acetate
Concen: 3.64 ug/L
RT: 4.457 min Scan# 1359
Delta R.T. 0.003 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion: 70 Resp: 2844

Ion	Ratio	Lower	Upper
70	100		
61	85.2	124.4	184.4#
45	102.6	156.4	216.4#

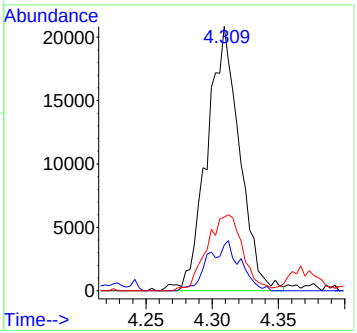


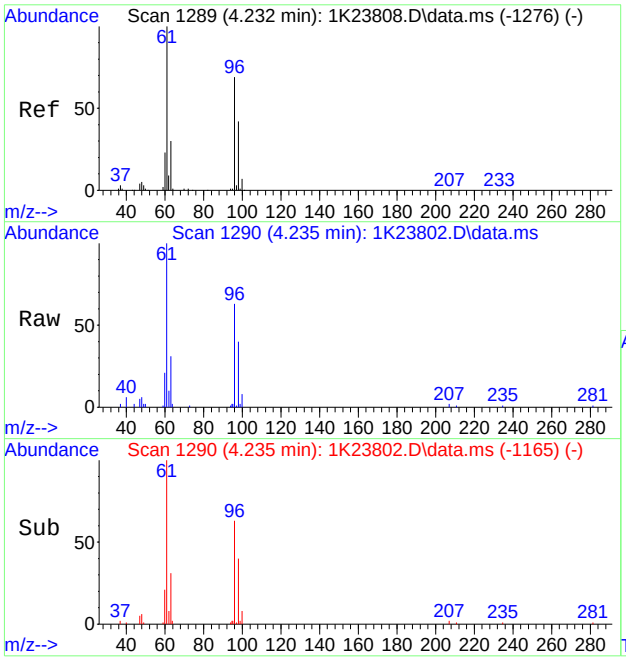


#35
2,2-dichloropropane
Concen: 3.86 ug/L
RT: 4.309 min Scan# 1313
Delta R.T. 0.000 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion: 77 Resp: 35825

Ion	Ratio	Lower	Upper
77	100		
97	17.3	0.0	47.6
79	27.9	3.7	63.7

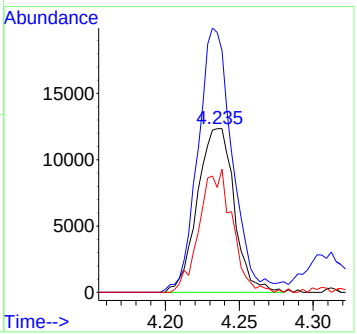


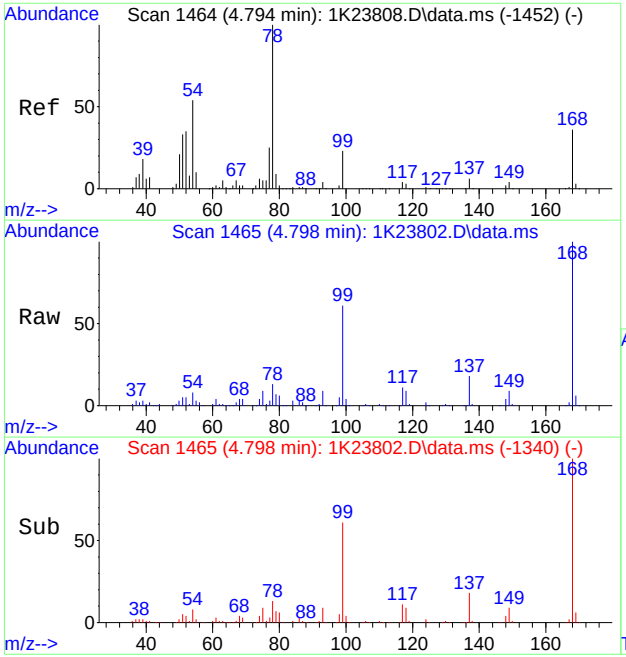


#36
cis-1,2-dichloroethene
Concen: 3.78 ug/L
RT: 4.235 min Scan# 1290
Delta R.T. 0.003 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion: 96 Resp: 21328

Ion	Ratio	Lower	Upper
96	100		
61	158.7	114.3	174.3
98	64.0	30.5	90.5

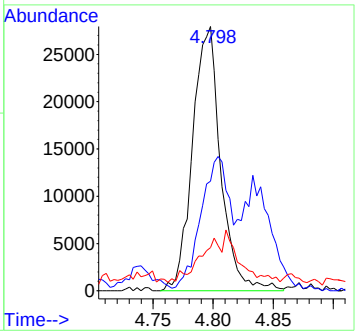


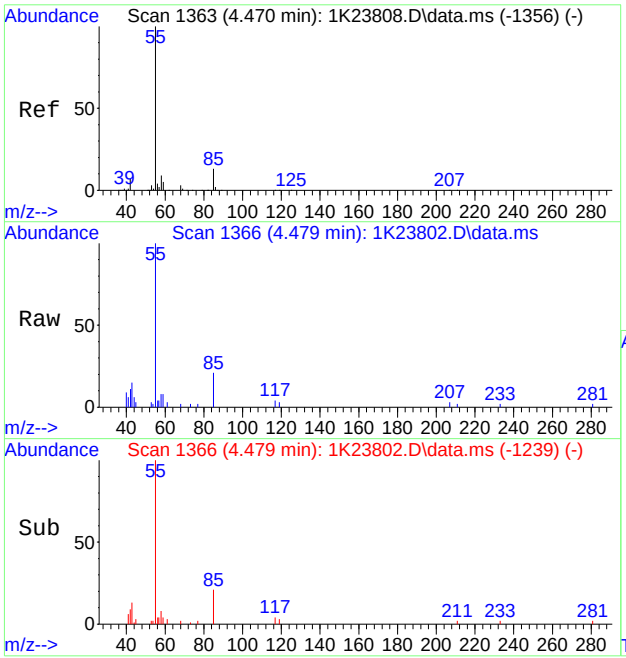


#37
propionitrile
Concen: 39.02 ug/L
RT: 4.798 min Scan# 1465
Delta R.T. 0.003 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion: 54 Resp: 45696

Ion	Ratio	Lower	Upper
54	100		
55	37.4	0.0	50.4
40	11.8	0.0	41.8

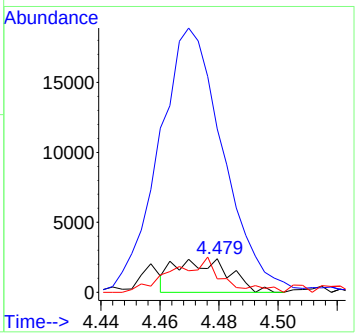


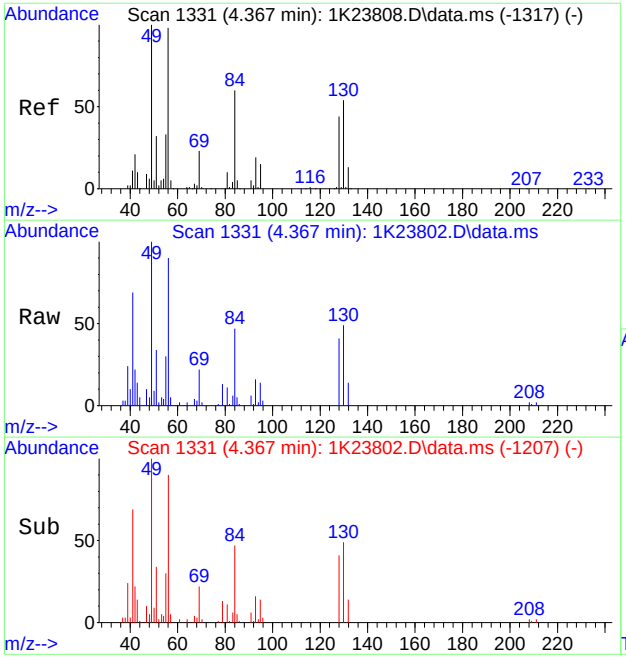


#38
methyl acrylate
Concen: 2.74 ug/L
RT: 4.479 min Scan# 1366
Delta R.T. 0.010 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion: 85 Resp: 3028

Ion	Ratio	Lower	Upper
85	100		
55	454.7	717.8	757.8#
58	39.8	42.6	82.6#

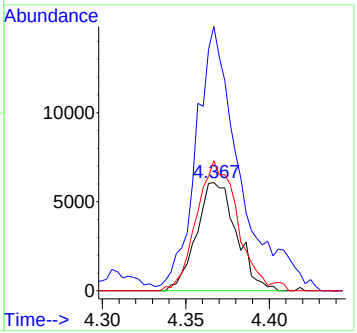


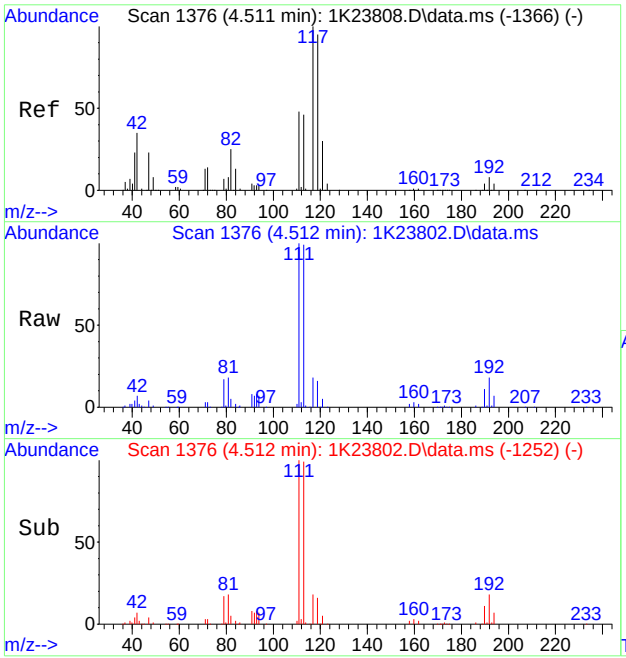


#39
bromochloromethane
Concen: 3.92 ug/L
RT: 4.367 min Scan# 1331
Delta R.T. 0.000 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion:128 Resp: 10138

Ion	Ratio	Lower	Upper
128	100		
49	239.4	195.5	255.5
130	120.3	92.1	152.1

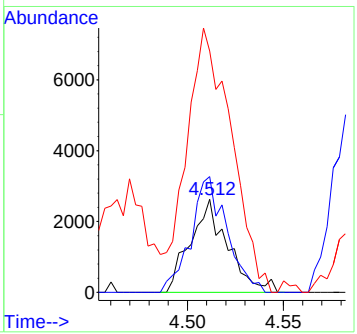


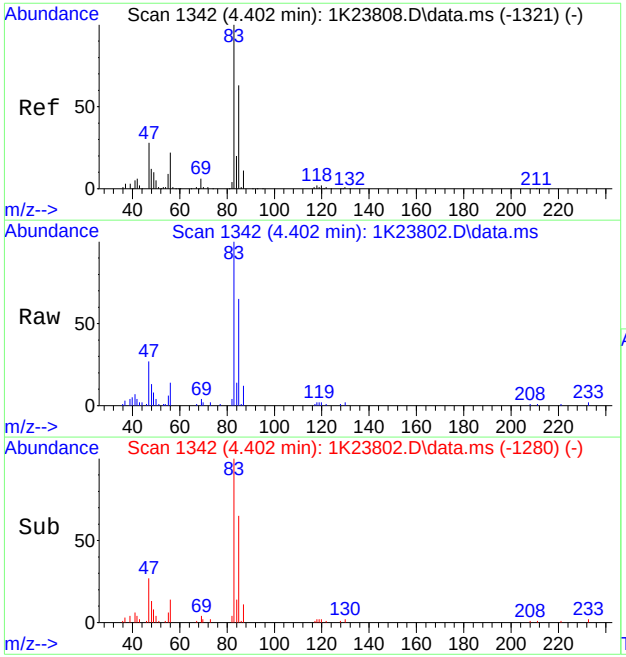


#40
tetrahydrofuran
Concen: 3.56 ug/L
RT: 4.512 min Scan# 1376
Delta R.T. 0.000 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion: 71 Resp: 3555

Ion	Ratio	Lower	Upper
71	100		
72	124.2	76.4	136.4
42	246.4	297.7	357.7#

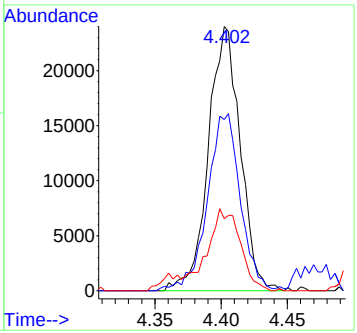


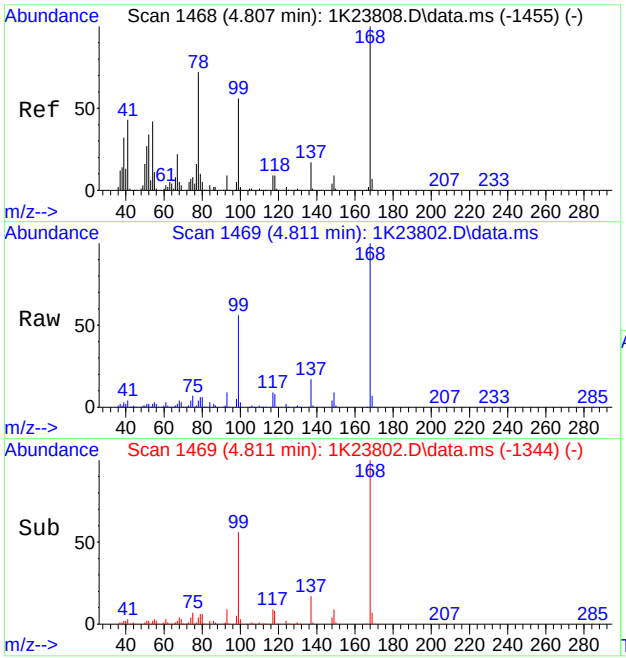


#41
chloroform
Concen: 3.65 ug/L
RT: 4.402 min Scan# 1342
Delta R.T. 0.000 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion: 83 Resp: 40217

Ion	Ratio	Lower	Upper
83	100		
85	63.9	33.4	93.4
47	27.3	0.0	58.3

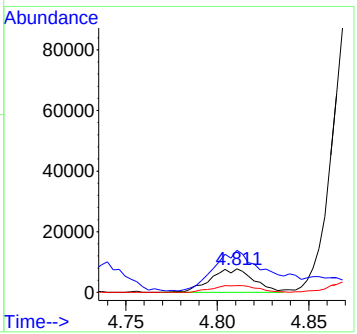


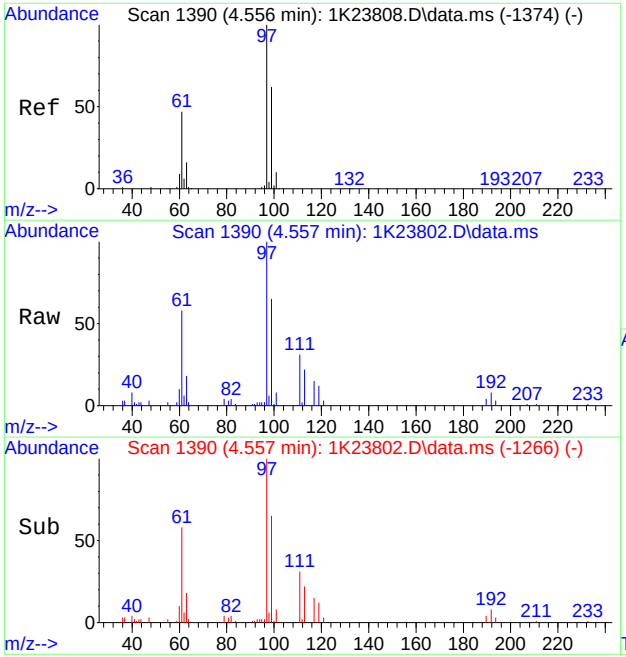


#43
methacrylonitrile
Concen: 3.73 ug/L
RT: 4.811 min Scan# 1469
Delta R.T. 0.003 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion: 67 Resp: 12963

Ion	Ratio	Lower	Upper
67	100		
41	167.9	161.1	221.1
66	28.8	3.7	63.7

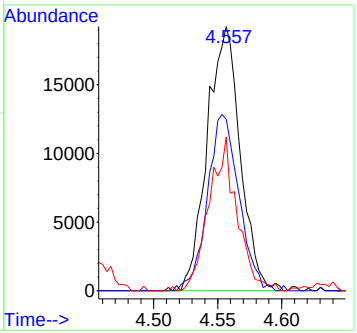


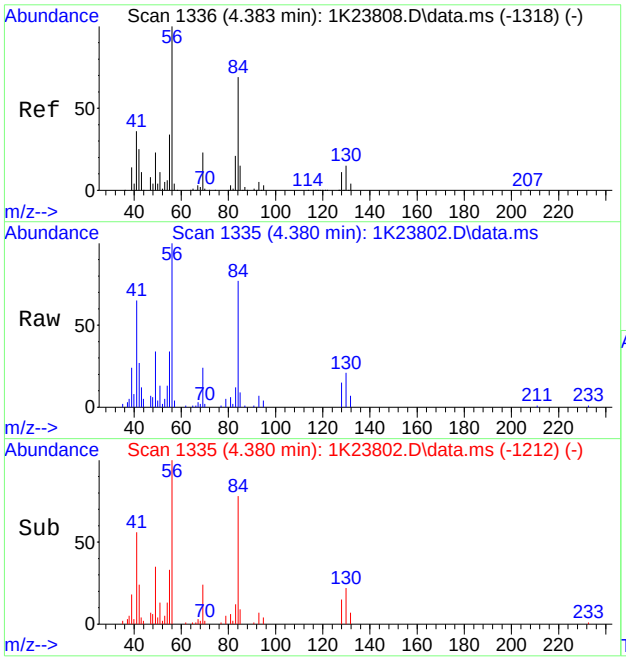


#44
1,1,1-trichloroethane
Concen: 3.84 ug/L
RT: 4.557 min Scan# 1390
Delta R.T. 0.000 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion: 97 Resp: 34563

Ion	Ratio	Lower	Upper
97	100		
99	64.8	32.1	92.1
61	58.2	16.3	76.3

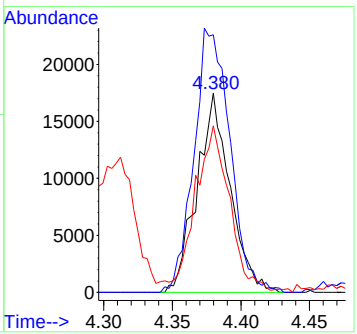


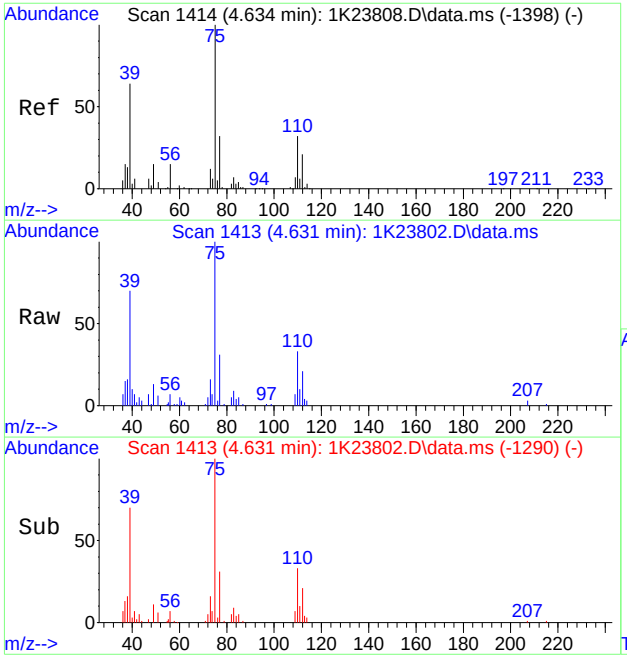


#45
cyclohexane
Concen: 3.86 ug/L
RT: 4.380 min Scan# 1335
Delta R.T. -0.003 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion: 84 Resp: 29452

Ion	Ratio	Lower	Upper
84	100		
56	129.3	124.1	164.1
41	82.1	58.3	98.3

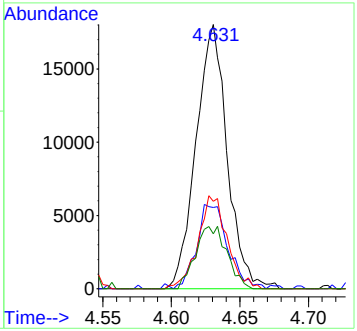


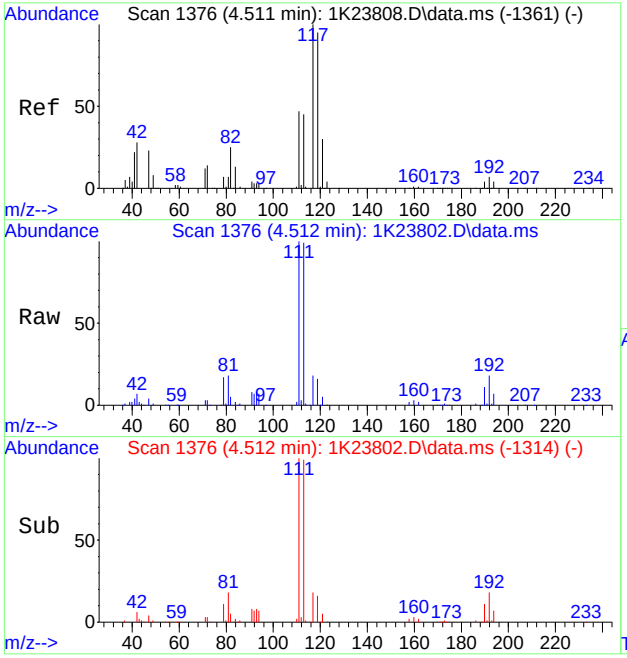


#46
1,1-dichloropropene
Concen: 3.65 ug/L
RT: 4.631 min Scan# 1413
Delta R.T. -0.003 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion: 75 Resp: 28520

Ion	Ratio	Lower	Upper
75	100		
77	30.8	12.0	52.0
110	33.1	12.3	52.3
112	20.8	0.8	40.8

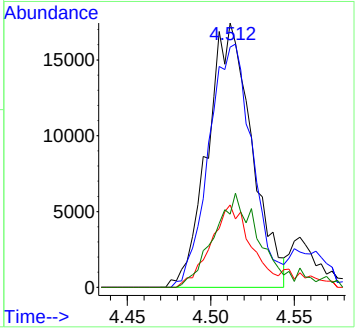


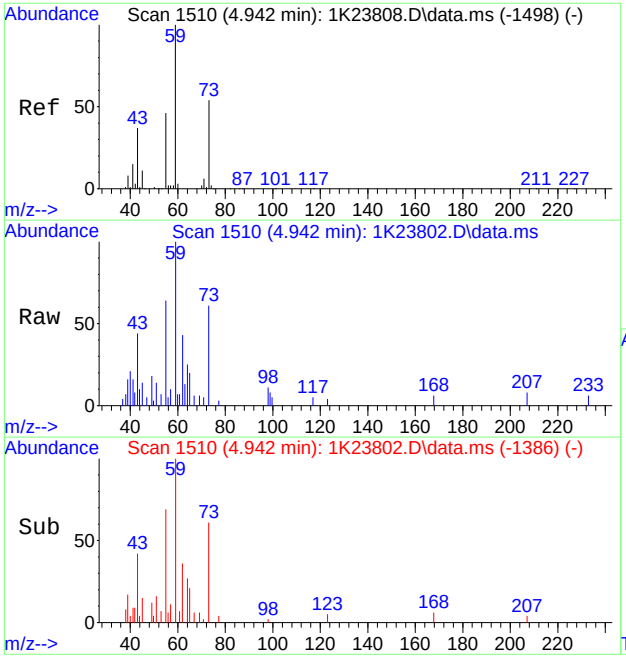


#47
carbon tetrachloride
Concen: 3.66 ug/L
RT: 4.512 min Scan# 1376
Delta R.T. 0.000 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion:117 Resp: 32207

Ion	Ratio	Lower	Upper
117	100		
119	90.8	74.6	114.6
121	31.2	9.9	49.9
82	27.7	5.1	45.1

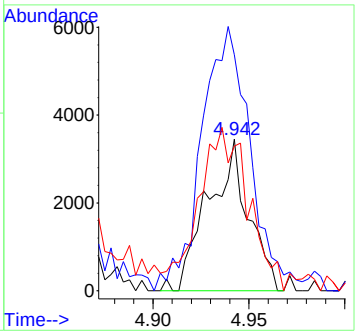


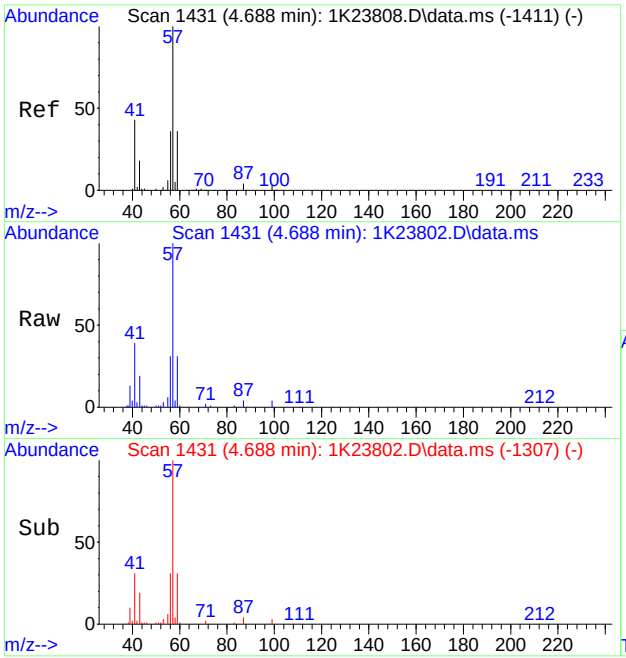


#49
tert-amyl alcohol
Concen: 18.82 ug/L
RT: 4.942 min Scan# 1510
Delta R.T. 0.000 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion: 55 Resp: 5029

Ion	Ratio	Lower	Upper
55	100		
59	145.2	194.2	234.2#
73	95.4	101.1	141.1#

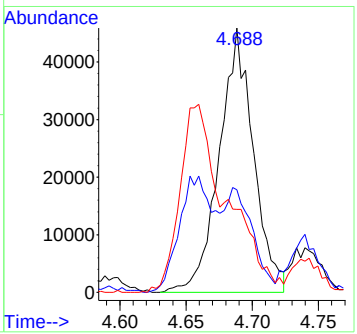


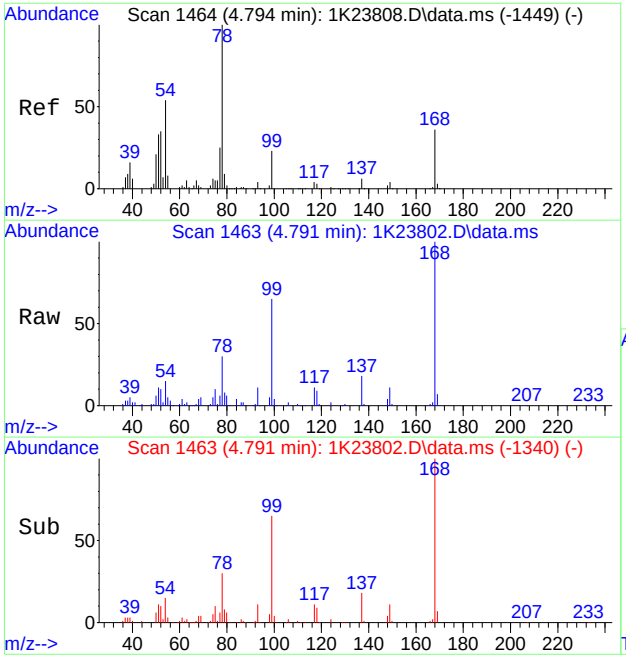


#52
iso-octane
Concen: 3.84 ug/L
RT: 4.688 min Scan# 1431
Delta R.T. 0.000 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion: 57 Resp: 82324

Ion	Ratio	Lower	Upper
57	100		
41	36.4	22.7	62.7
56	28.7	16.1	56.1

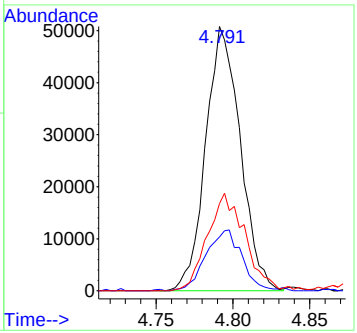


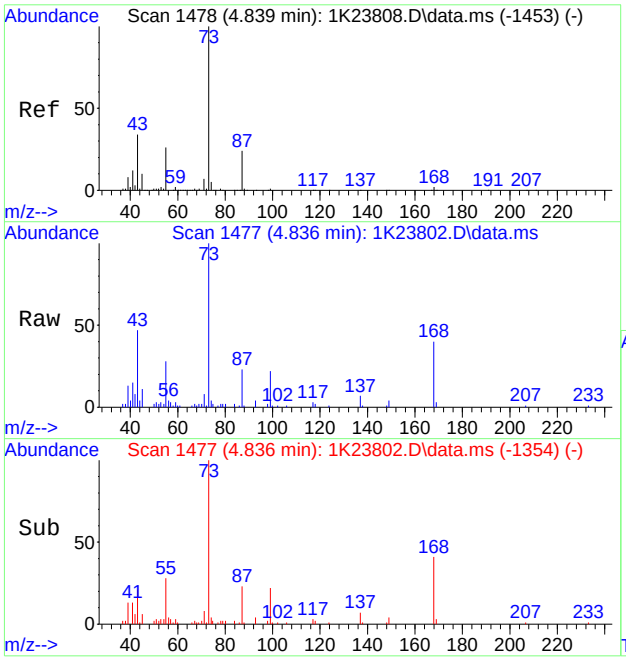


#53
benzene
Concen: 3.65 ug/L
RT: 4.791 min Scan# 1463
Delta R.T. -0.003 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion: 78 Resp: 79581

Ion	Ratio	Lower	Upper
78	100		
77	19.7	0.0	54.5
52	33.0	5.0	65.0

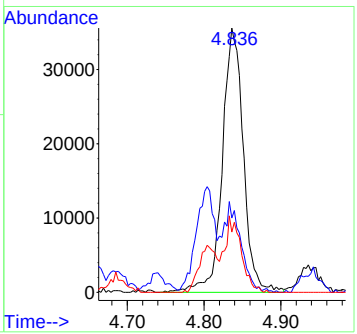


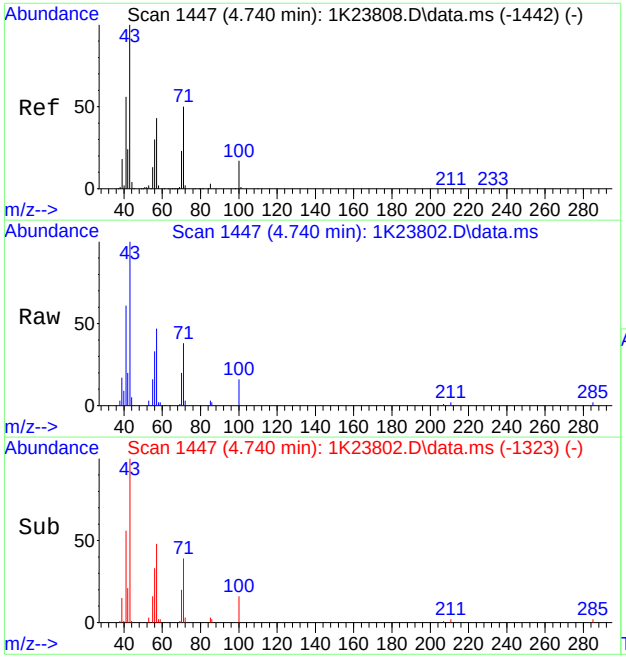


#54
tert-amyl methyl ether
Concen: 3.78 ug/L
RT: 4.836 min Scan# 1477
Delta R.T. -0.003 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion: 73 Resp: 67749

Ion	Ratio	Lower	Upper
73	100		
55	28.1	7.0	47.0
87	22.8	4.4	44.4

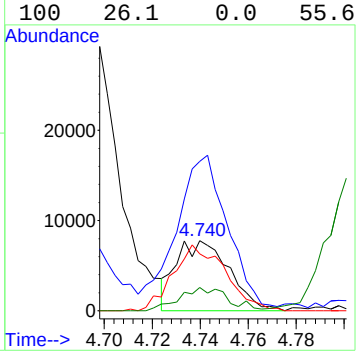


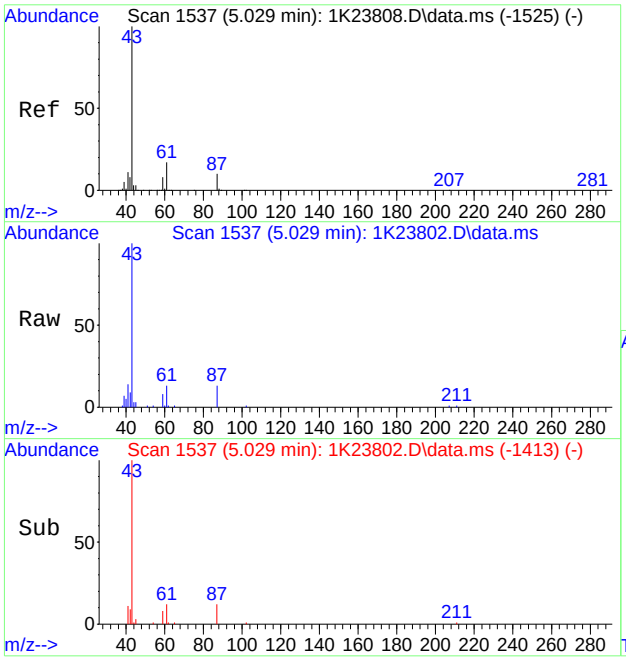


#55
heptane
Concen: 3.53 ug/L
RT: 4.740 min Scan# 1447
Delta R.T. 0.000 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion: 57 Resp: 11921

Ion	Ratio	Lower	Upper
57	100		
43	203.4	165.6	225.6
71	81.3	61.2	121.2
100	26.1	0.0	55.6

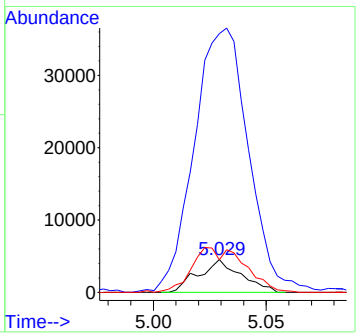


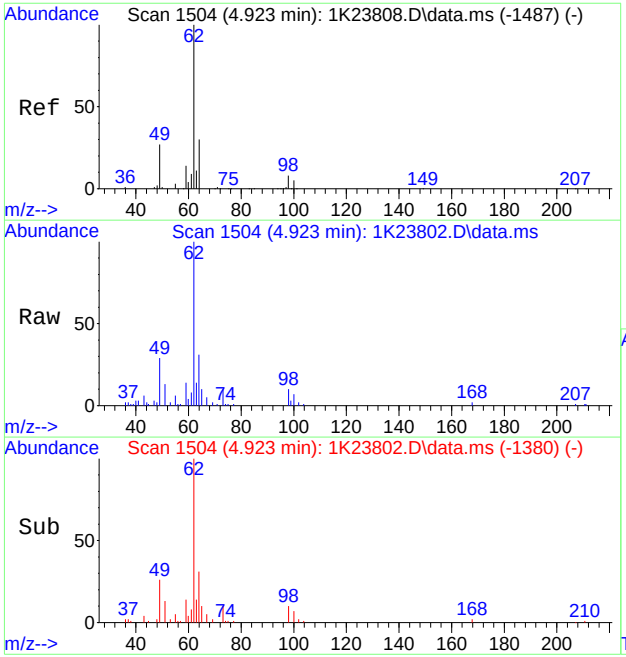


#56
isopropyl acetate
Concen: 3.74 ug/L
RT: 5.029 min Scan# 1537
Delta R.T. 0.000 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion: 87 Resp: 5948

Ion	Ratio	Lower	Upper
87	100		
43	754.2	998.2	1058.2#
61	95.1	147.0	207.0#

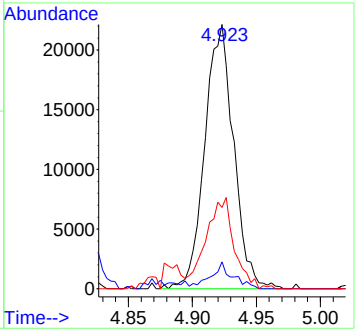


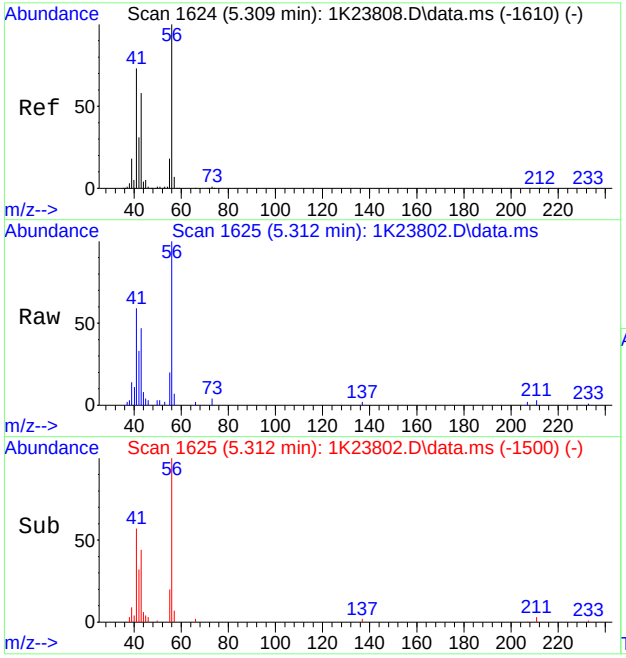


#57
1,2-dichloroethane
Concen: 3.81 ug/L
RT: 4.923 min Scan# 1504
Delta R.T. 0.000 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion: 62 Resp: 34796

Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	38.3
64	30.7	0.4	60.4

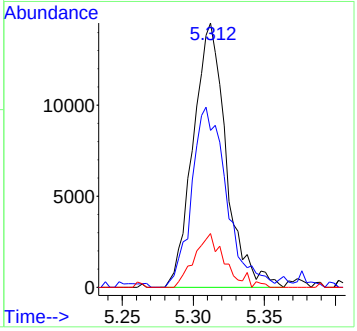


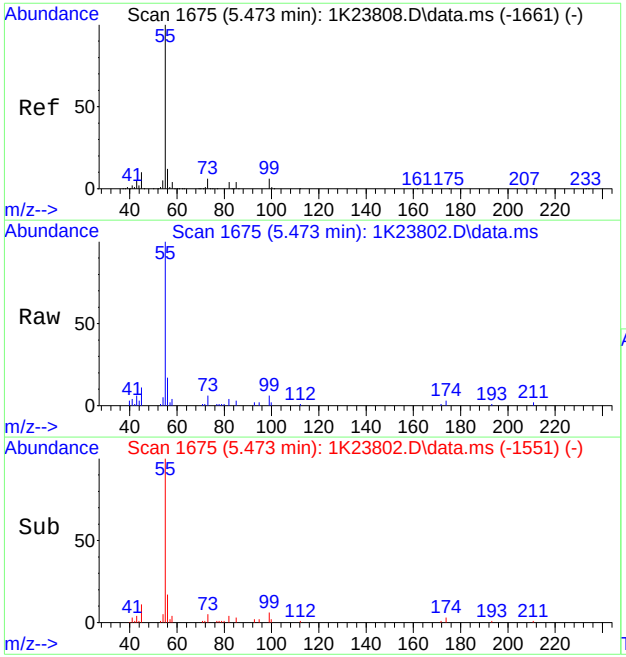


#58
n-butyl alcohol
Concen: 142.27 ug/L
RT: 5.312 min Scan# 1625
Delta R.T. 0.003 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion: 56 Resp: 23457

Ion	Ratio	Lower	Upper
56	100		
41	59.3	53.5	93.5
55	20.4	0.0	38.0

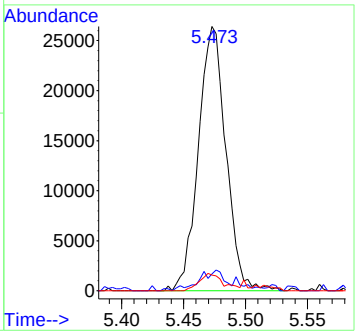


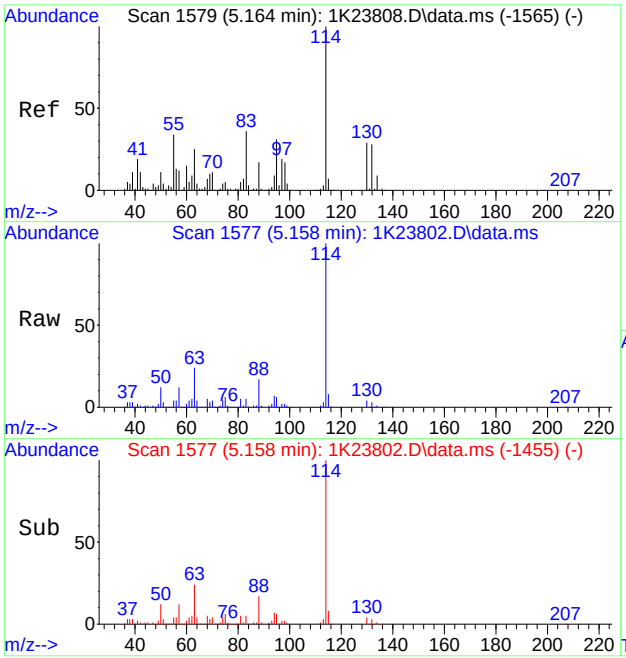


#59
ethyl acrylate
Concen: 3.84 ug/L
RT: 5.473 min Scan# 1675
Delta R.T. 0.000 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion: 55 Resp: 40941

Ion	Ratio	Lower	Upper
55	100		
73	6.3	0.0	35.8
99	5.9	0.0	35.9

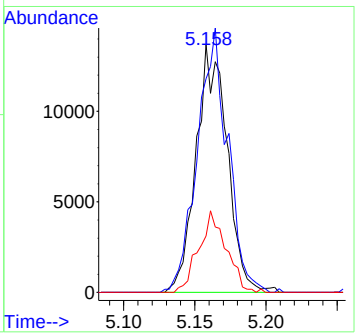


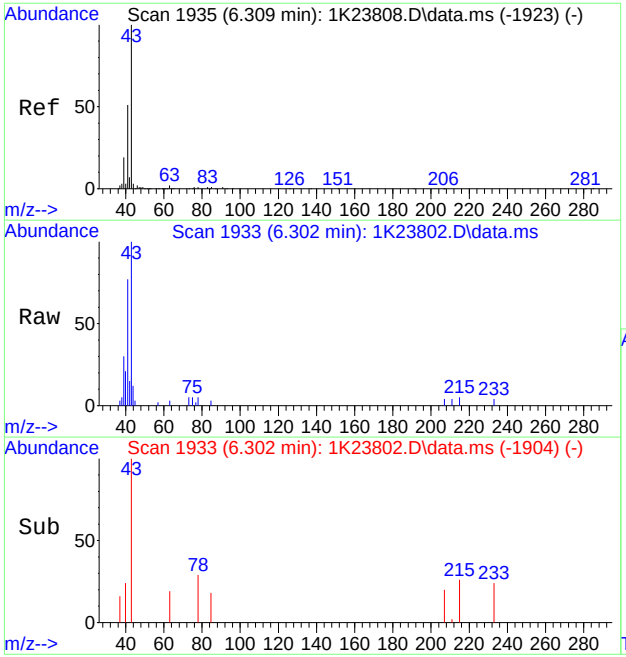


#60
trichloroethene
Concen: 3.87 ug/L
RT: 5.158 min Scan# 1577
Delta R.T. -0.006 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion:130 Resp: 20805

Ion	Ratio	Lower	Upper
130	100		
132	86.0	66.4	126.4
134	22.7	0.0	59.6

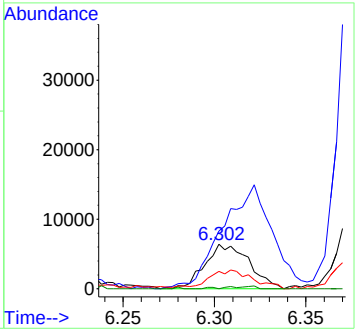


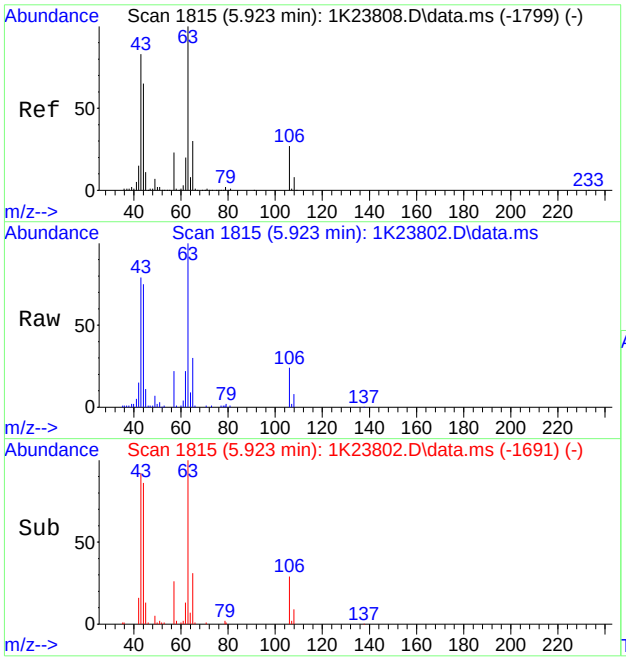


#61
2-nitropropane
Concen: 3.90 ug/L
RT: 6.302 min Scan# 1933
Delta R.T. -0.006 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion: 41 Resp: 10792

Ion	Ratio	Lower	Upper
41	100		
43	129.5	164.7	224.7#
39	39.3	6.3	66.3
46	0.0	0.0	33.8

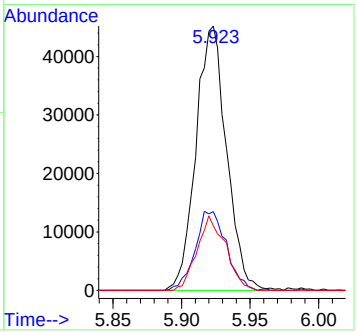


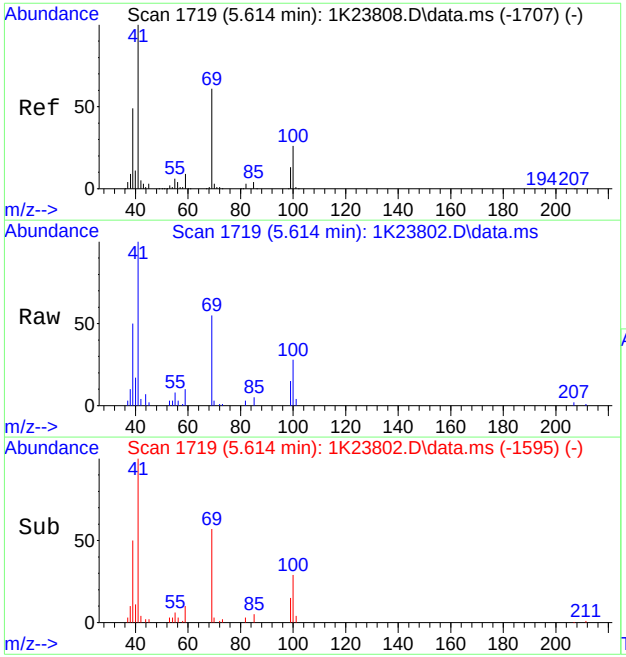


#62
2-chloroethyl vinyl ether
Concen: 18.44 ug/L
RT: 5.923 min Scan# 1815
Delta R.T. 0.000 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion: 63 Resp: 70185

Ion	Ratio	Lower	Upper
63	100		
65	29.8	0.4	60.4
106	24.4	0.0	57.4

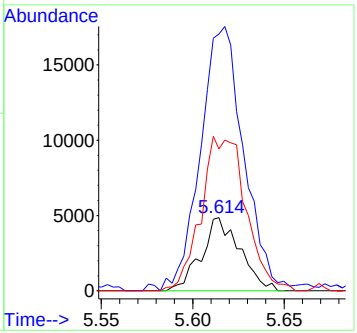


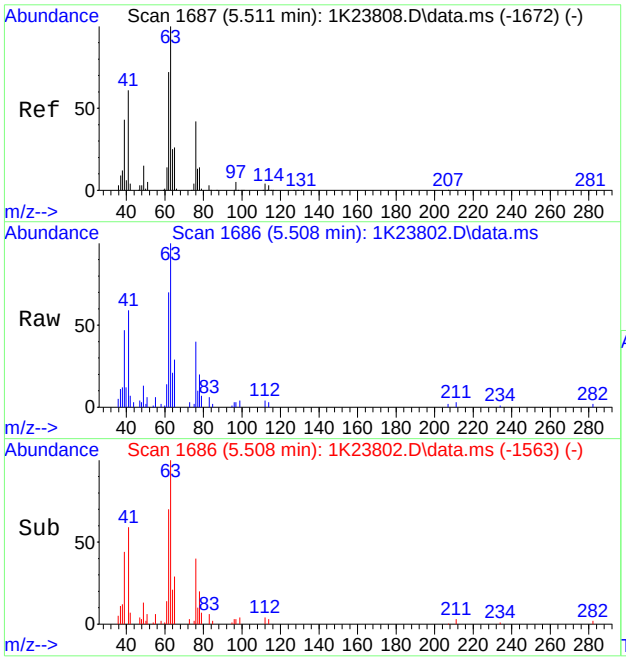


#63
methyl methacrylate
Concen: 3.98 ug/L
RT: 5.614 min Scan# 1719
Delta R.T. 0.000 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion:100 Resp: 7195

Ion	Ratio	Lower	Upper
100	100		
41	351.0	352.7	412.7#
69	194.0	201.8	261.8#

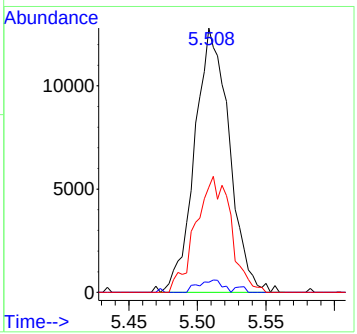


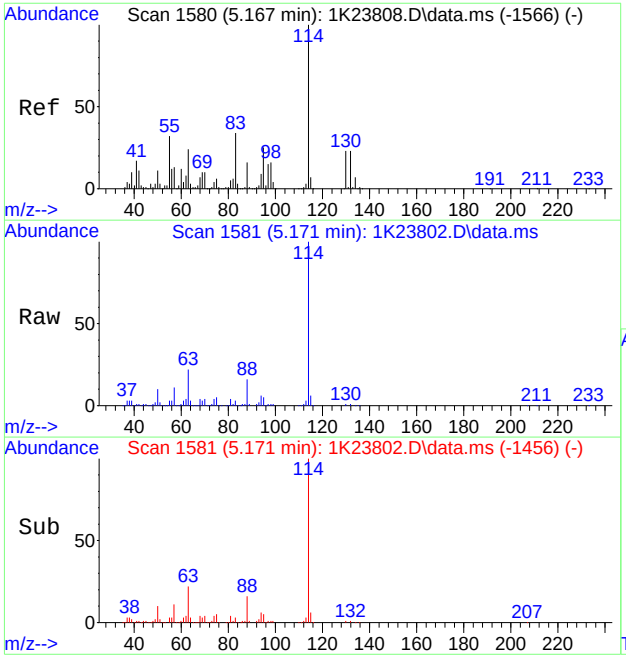


#64
1,2-dichloropropane
Concen: 3.69 ug/L
RT: 5.508 min Scan# 1686
Delta R.T. -0.003 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion: 63 Resp: 22404

Ion	Ratio	Lower	Upper
63	100		
112	3.8	0.0	34.3
76	39.8	11.5	71.5

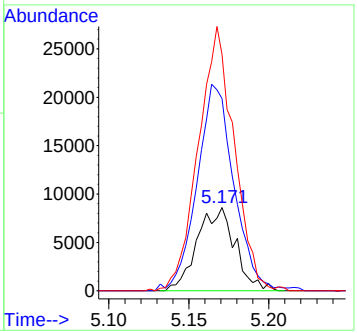


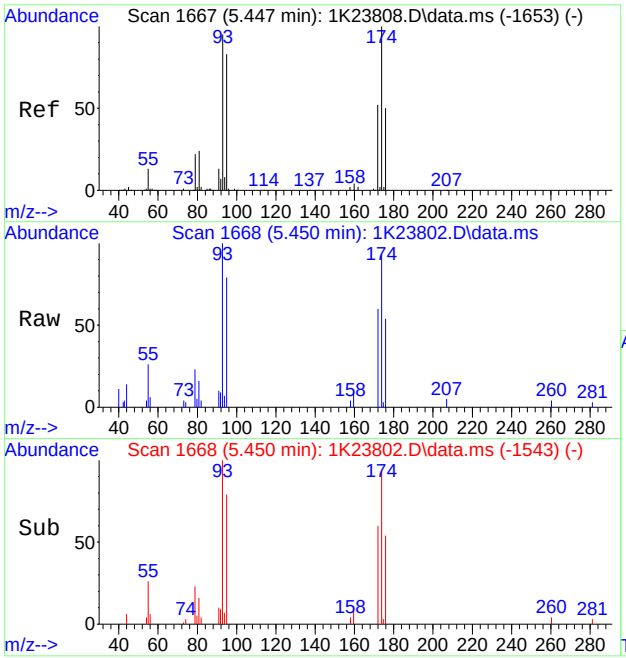


#65
methylcyclohexane
Concen: 3.51 ug/L
RT: 5.171 min Scan# 1581
Delta R.T. 0.003 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion: 98 Resp: 14233

Ion	Ratio	Lower	Upper
98	100		
55	227.6	162.4	222.4#
83	281.0	177.4	237.4#

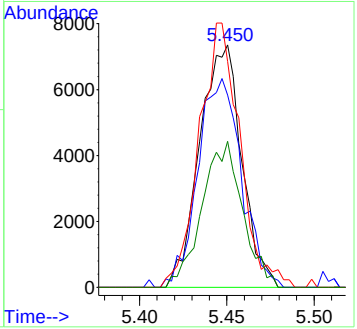


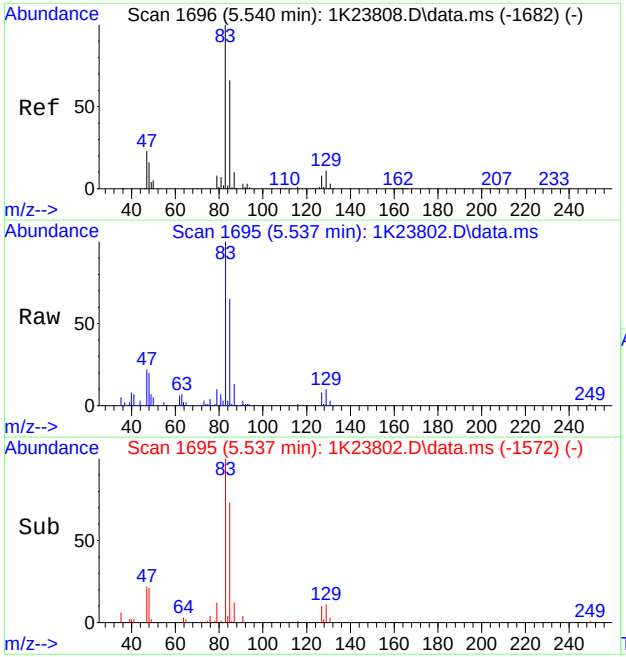


#66
dibromomethane
Concen: 3.69 ug/L
RT: 5.450 min Scan# 1668
Delta R.T. 0.003 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion: 93 Resp: 12342

Ion	Ratio	Lower	Upper
93	100		
95	79.2	57.5	117.5
174	93.1	75.1	135.1
172	60.3	34.2	74.2

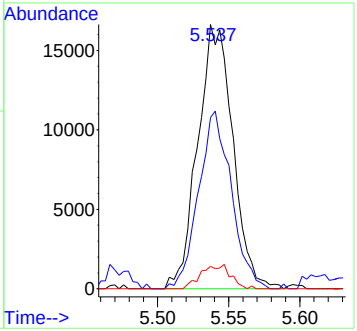


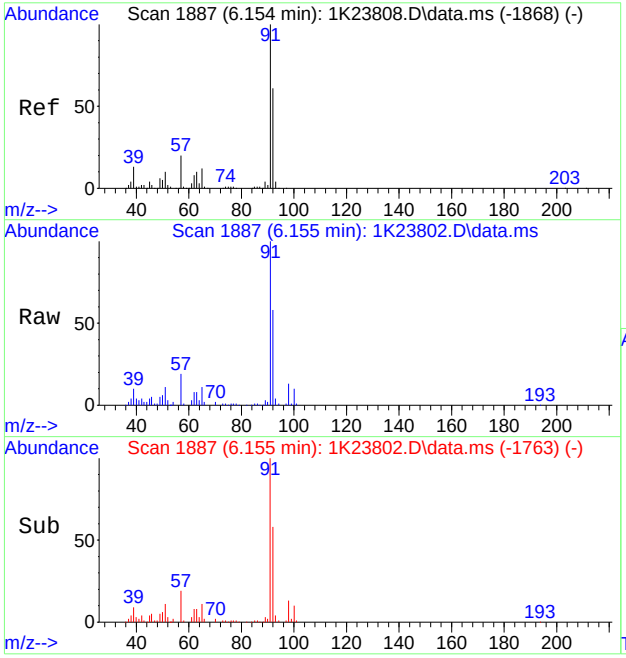


#67
bromodichloromethane
Concen: 3.84 ug/L
RT: 5.537 min Scan# 1695
Delta R.T. -0.003 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion: 83 Resp: 28576

Ion	Ratio	Lower	Upper
83	100		
85	64.8	35.5	95.5
127	8.5	0.0	37.9

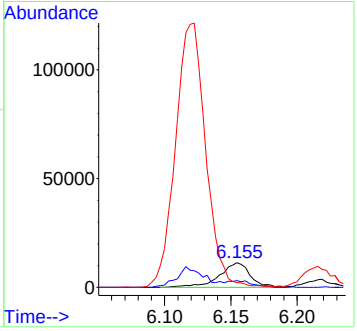


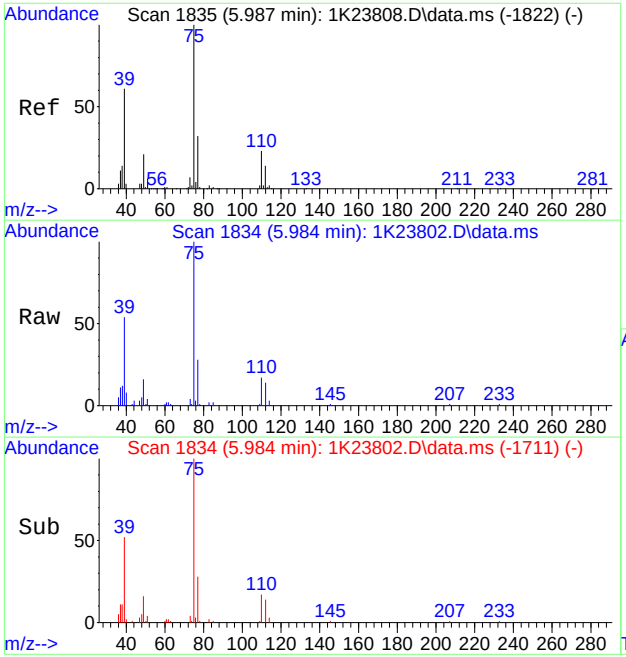


#68
epichlorohydrin
Concen: 21.23 ug/L
RT: 6.155 min Scan# 1887
Delta R.T. 0.000 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion: 57 Resp: 18379

Ion	Ratio	Lower	Upper
57	100		
49	27.2	8.2	48.2
42	16.8	0.0	27.5

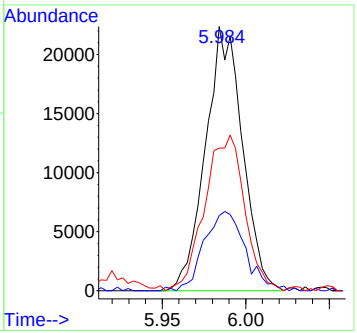


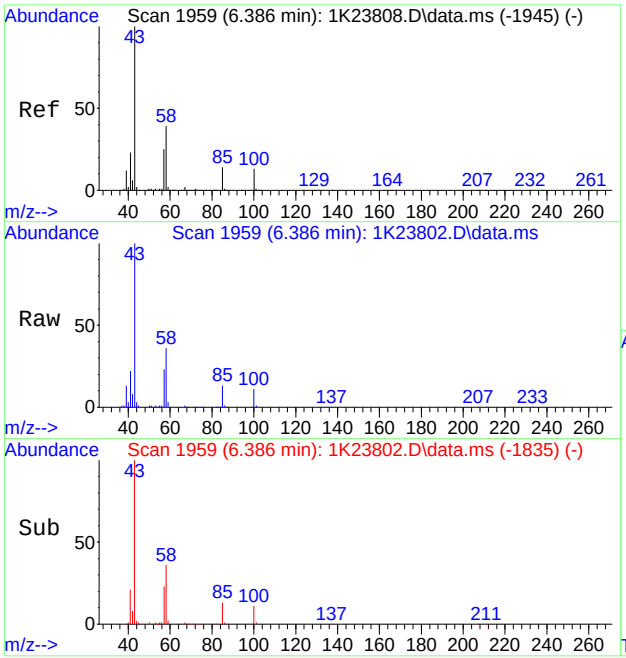


#69
cis-1,3-dichloropropene
Concen: 3.90 ug/L
RT: 5.984 min Scan# 1834
Delta R.T. -0.003 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion: 75 Resp: 34464

Ion	Ratio	Lower	Upper
75	100		
77	28.4	2.2	62.2
39	53.9	31.6	91.6

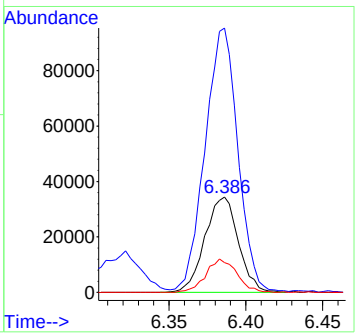


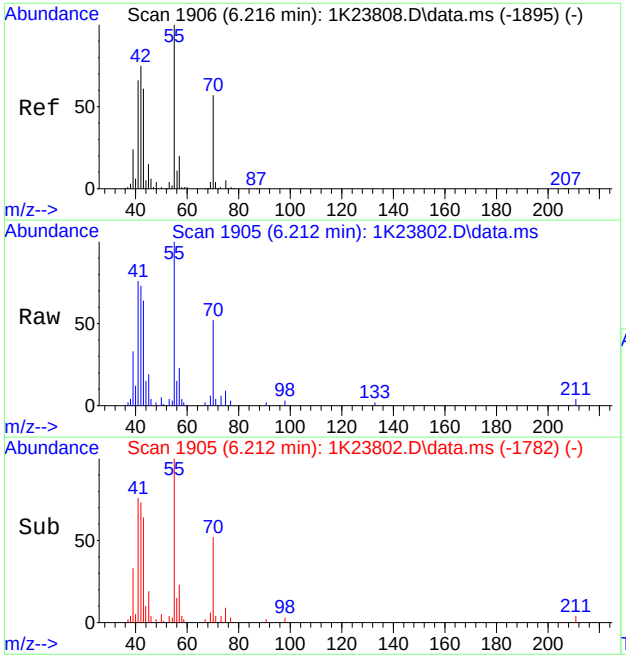


#70
4-methyl-2-pentanone
Concen: 15.03 ug/L
RT: 6.386 min Scan# 1959
Delta R.T. 0.000 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion: 58 Resp: 52135

Ion	Ratio	Lower	Upper
58	100		
43	275.8	235.3	295.3
100	31.2	2.2	62.2

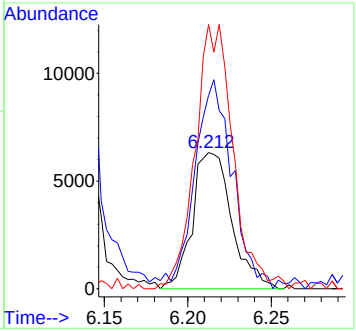


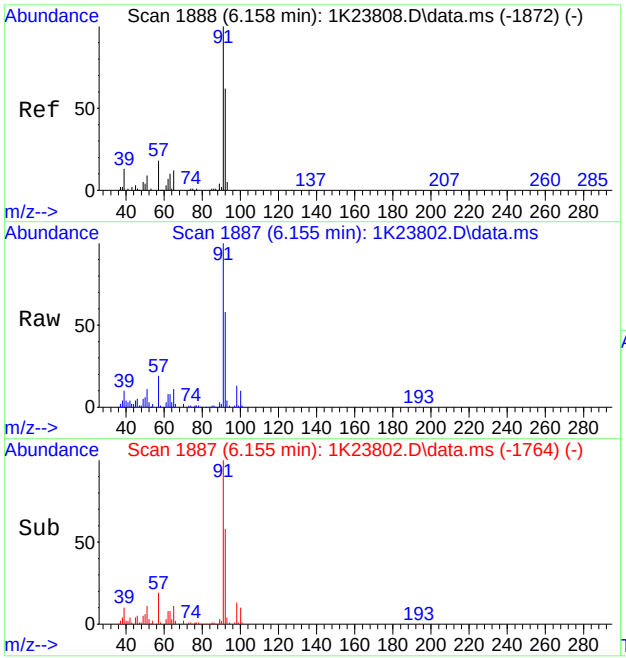


#71
3-methyl-1-butanol
Concen: 67.96 ug/L
RT: 6.212 min Scan# 1905
Delta R.T. -0.003 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion: 70 Resp: 10420

Ion	Ratio	Lower	Upper
70	100		
42	138.1	103.4	163.4
55	190.2	146.9	206.9

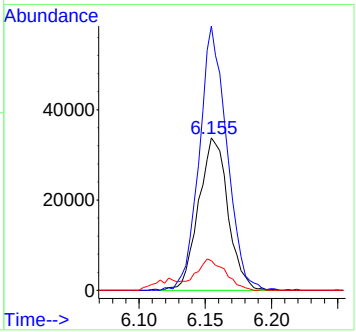


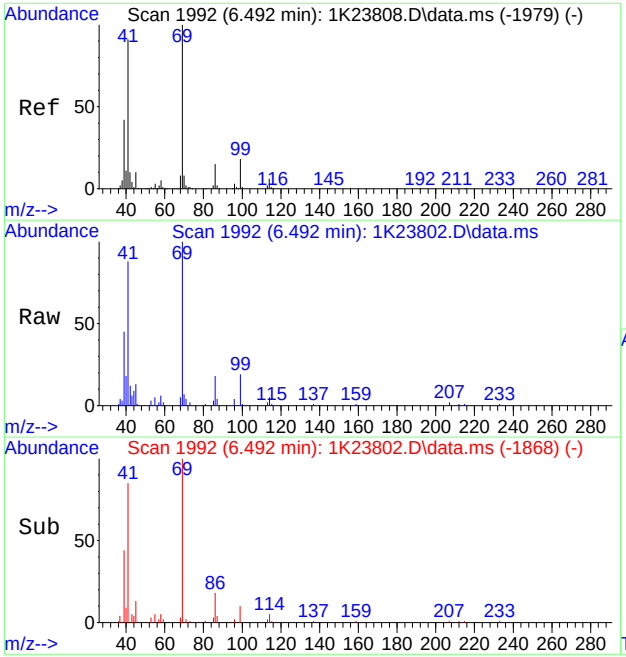


#74
toluene
Concen: 3.75 ug/L
RT: 6.155 min Scan# 1887
Delta R.T. -0.003 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion: 92 Resp: 52125

Ion	Ratio	Lower	Upper
92	100		
91	173.3	140.0	180.0
65	19.5	0.0	39.6

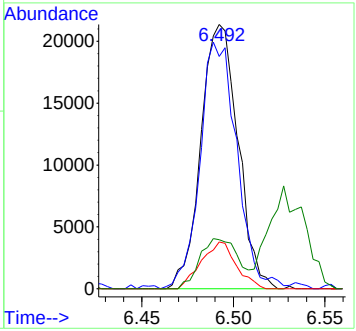


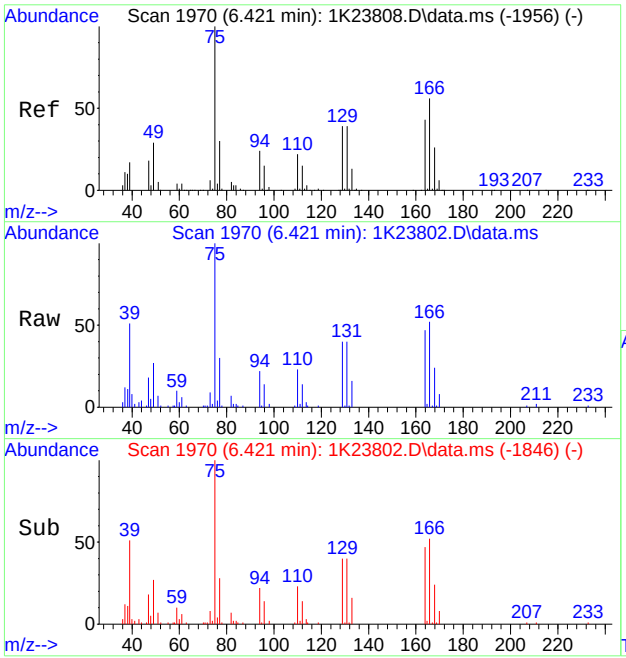


#75
ethyl methacrylate
Concen: 3.81 ug/L
RT: 6.492 min Scan# 1992
Delta R.T. 0.000 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion: 69 Resp: 30181

Ion	Ratio	Lower	Upper
69	100		
41	87.9	71.2	111.2
86	17.7	0.0	35.1
99	18.5	0.0	38.4

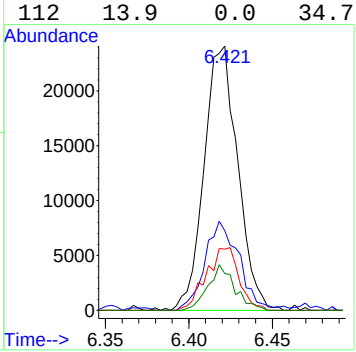


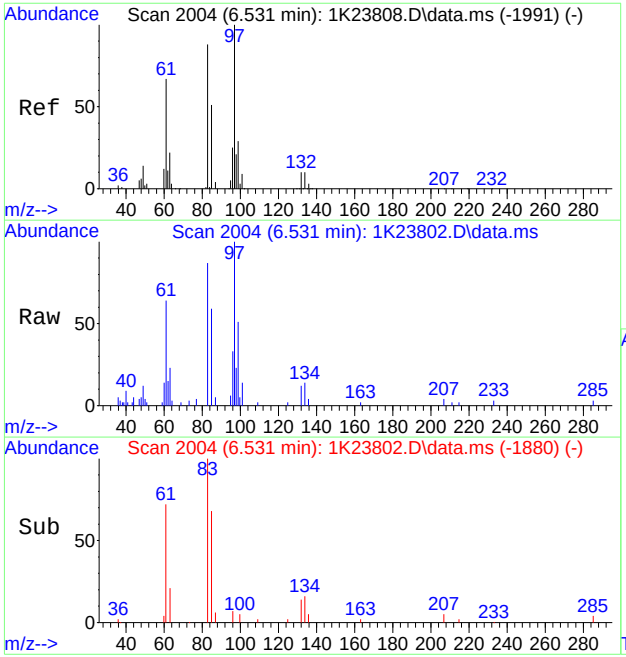


#76
trans-1,3-dichloropropene
Concen: 3.83 ug/L
RT: 6.421 min Scan# 1970
Delta R.T. 0.000 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion: 75 Resp: 33815

Ion	Ratio	Lower	Upper
75	100		
77	30.1	10.4	50.4
110	23.2	2.4	42.4
112	13.9	0.0	34.7

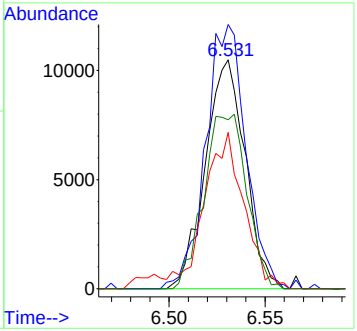


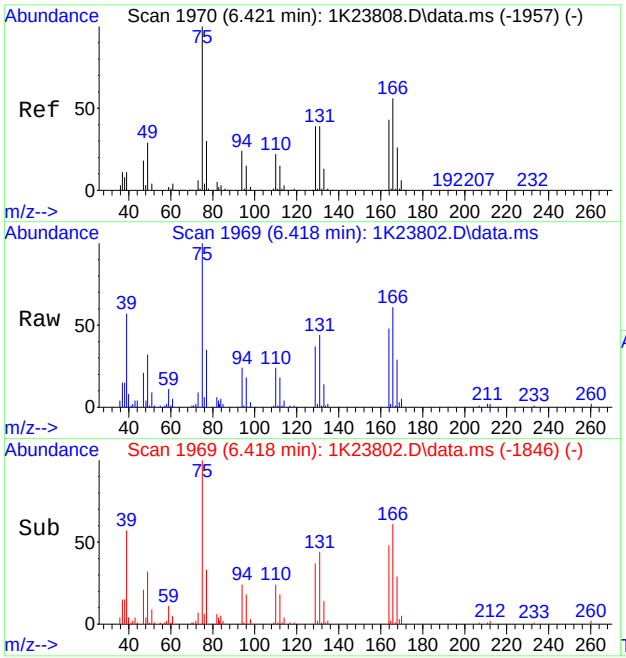


#77
1,1,2-trichloroethane
Concen: 4.03 ug/L
RT: 6.531 min Scan# 2004
Delta R.T. 0.000 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion: 83 Resp: 15124

Ion	Ratio	Lower	Upper
83	100		
97	115.4	94.4	134.4
85	65.6	41.5	81.5
61	73.8	56.0	96.0

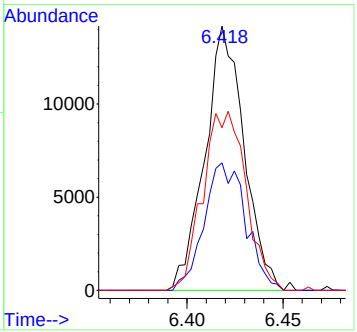


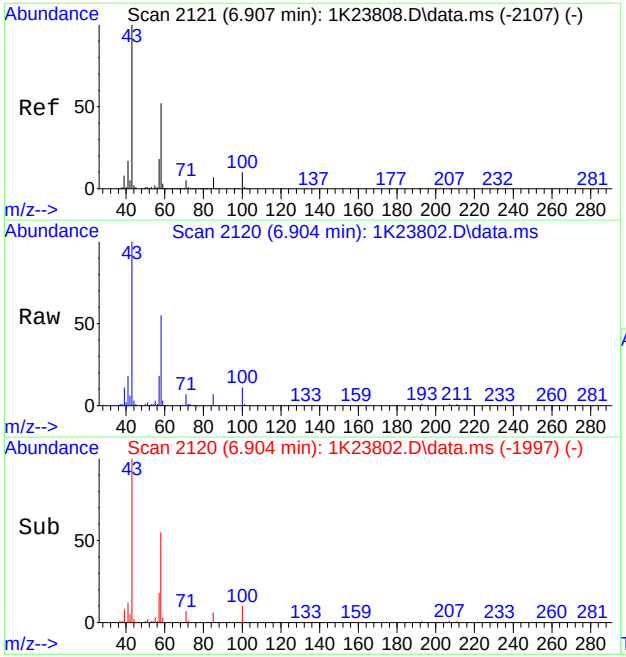


#78
tetrachloroethene
Concen: 3.73 ug/L
RT: 6.418 min Scan# 1969
Delta R.T. -0.003 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion:166 Resp: 20184

Ion	Ratio	Lower	Upper
166	100		
168	48.3	17.0	77.0
129	61.5	39.8	99.8

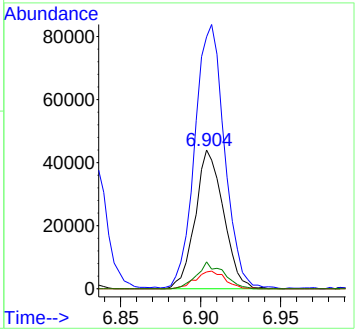


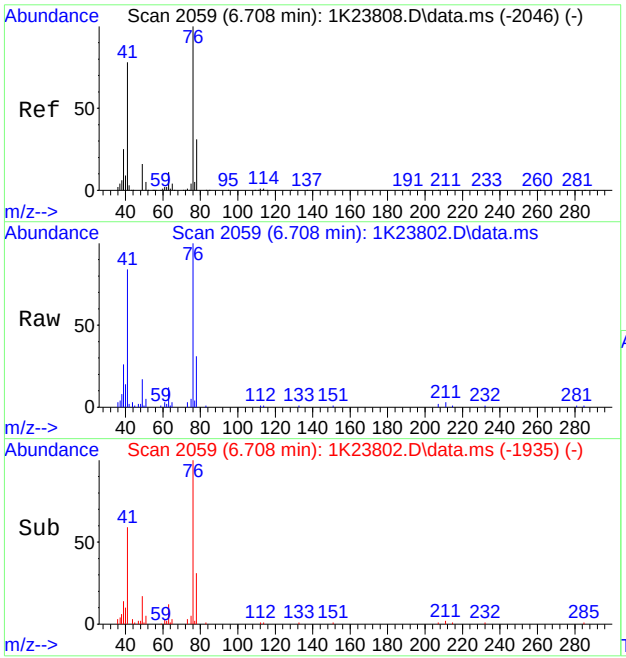


#79
2-hexanone
Concen: 14.90 ug/L
RT: 6.904 min Scan# 2120
Delta R.T. -0.003 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion: 58 Resp: 54093

Ion	Ratio	Lower	Upper
58	100		
43	181.5	172.5	212.5
85	12.2	0.0	32.5
100	19.5	0.0	39.5

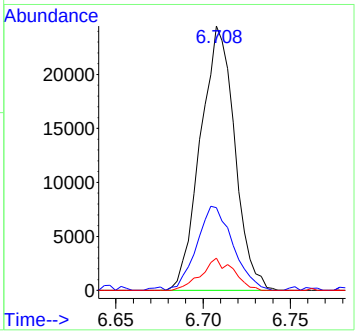


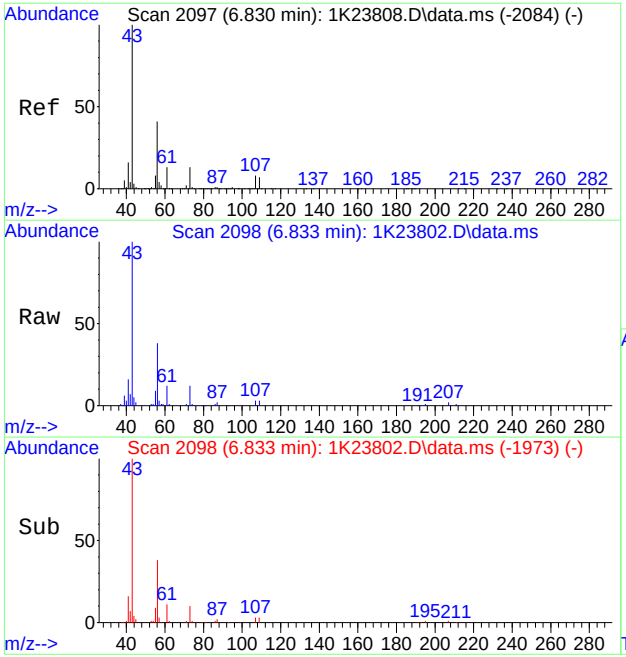


#80
1,3-dichloropropane
Concen: 3.90 ug/L
RT: 6.708 min Scan# 2059
Delta R.T. 0.000 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion: 76 Resp: 33404

Ion	Ratio	Lower	Upper
76	100		
78	31.3	0.6	60.6
63	12.2	0.0	41.5

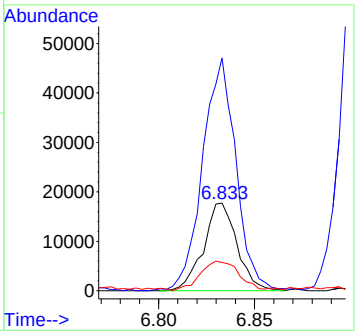


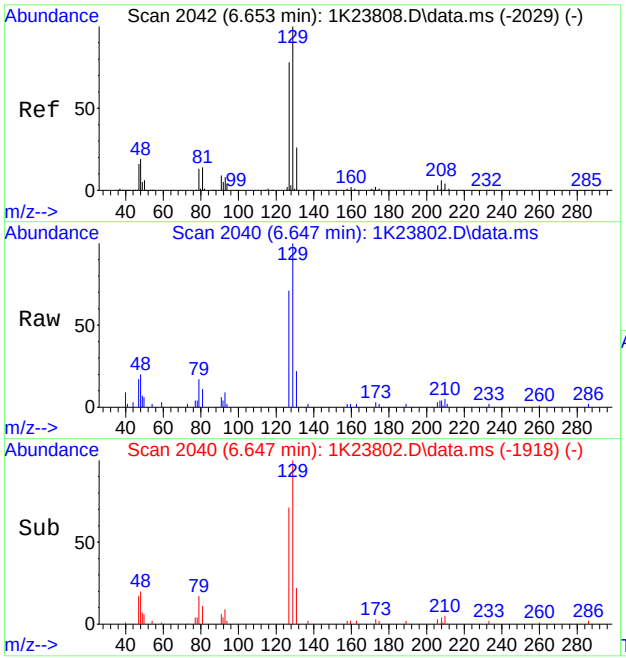


#81
butyl acetate
Concen: 3.63 ug/L
RT: 6.833 min Scan# 2098
Delta R.T. 0.003 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion: 56 Resp: 21572

Ion	Ratio	Lower	Upper
56	100		
43	263.2	215.3	275.3
73	30.9	2.2	62.2

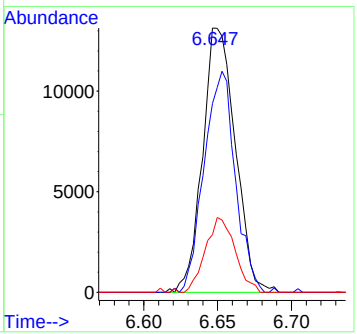


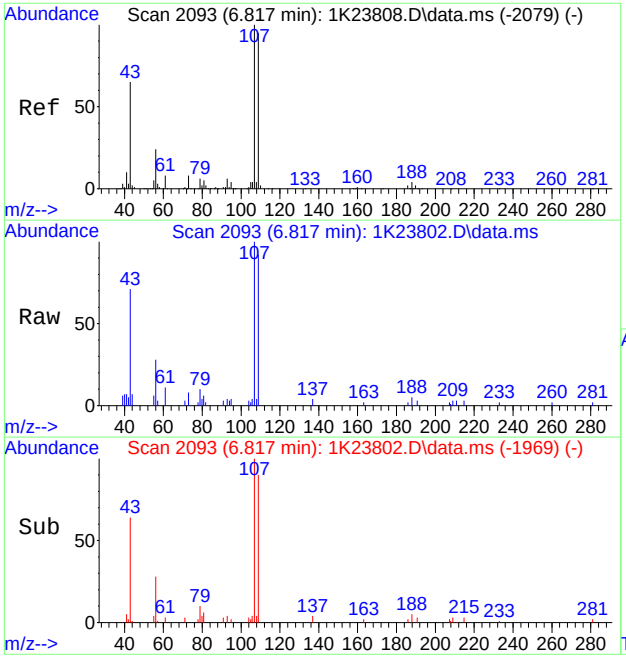


#82
dibromochloromethane
Concen: 3.66 ug/L
RT: 6.647 min Scan# 2040
Delta R.T. -0.006 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion:129 Resp: 20231

Ion	Ratio	Lower	Upper
129	100		
127	71.5	47.8	107.8
131	21.8	0.0	55.8

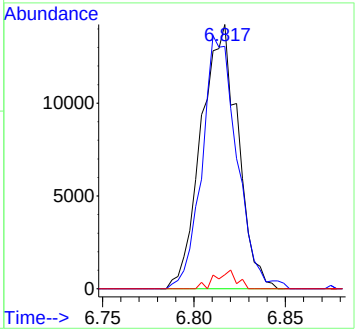


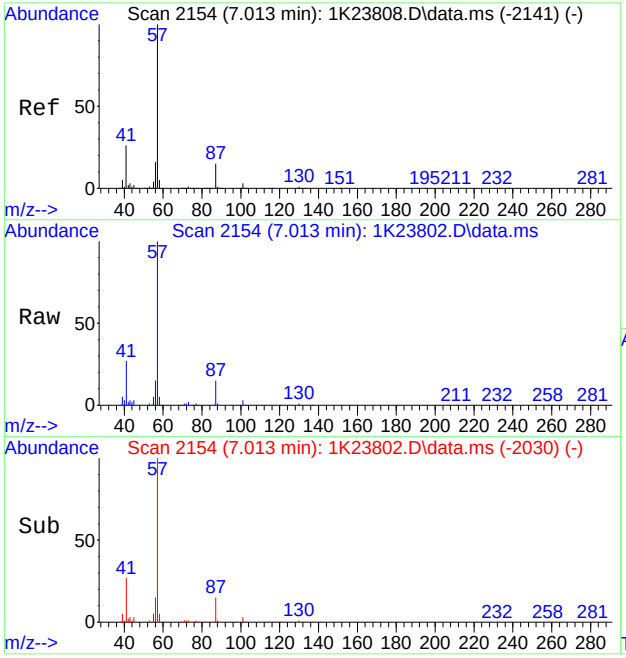


#83
1,2-dibromoethane
Concen: 4.22 ug/L
RT: 6.817 min Scan# 2093
Delta R.T. 0.000 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion:107 Resp: 19997

Ion	Ratio	Lower	Upper
107	100		
109	91.7	65.3	125.3
188	5.3	0.0	33.6

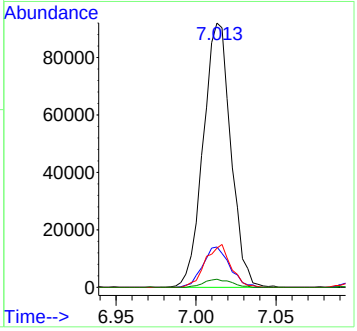


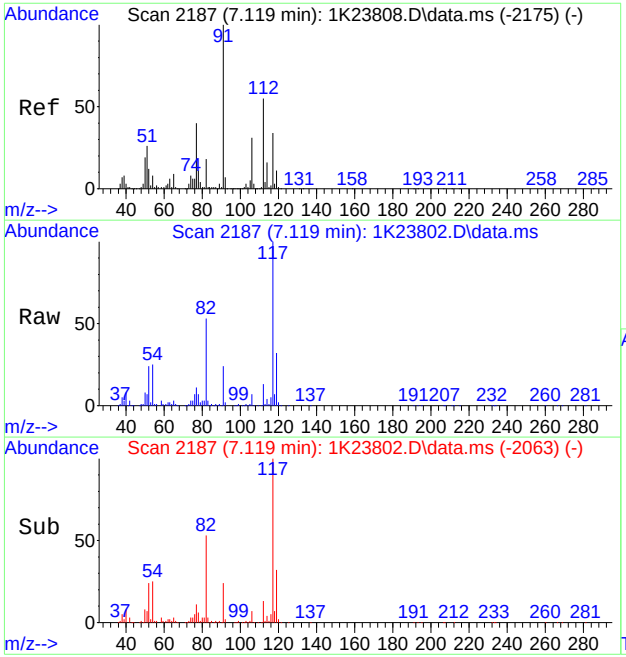


#84
n-butyl ether
Concen: 3.88 ug/L
RT: 7.013 min Scan# 2154
Delta R.T. 0.000 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion: 57 Resp: 110455

Ion	Ratio	Lower	Upper
57	100		
56	15.3	0.0	45.7
87	14.9	0.0	44.9
101	3.1	0.0	33.4

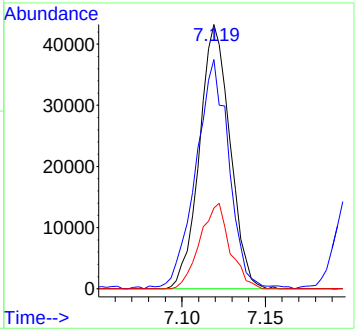


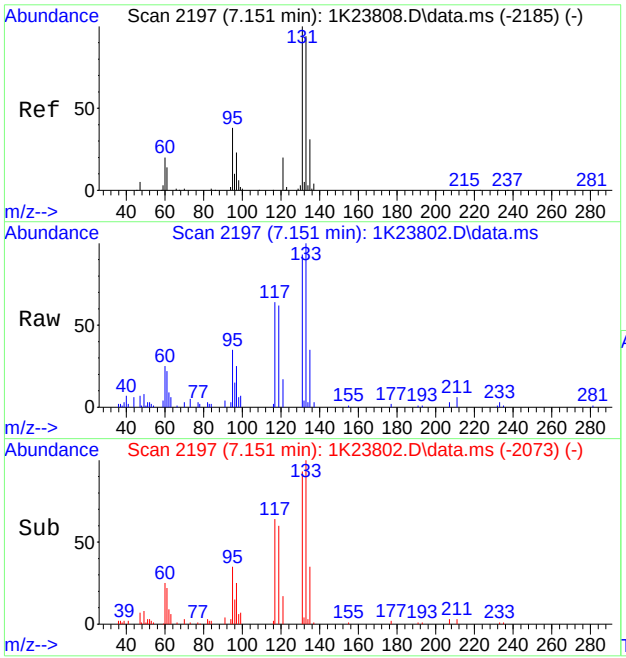


#85
chlorobenzene
Concen: 3.85 ug/L
RT: 7.119 min Scan# 2187
Delta R.T. 0.000 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion:112 Resp: 55055

Ion	Ratio	Lower	Upper
112	100		
77	85.9	43.7	103.7
114	30.5	0.0	59.8

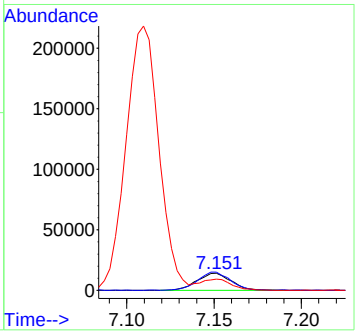


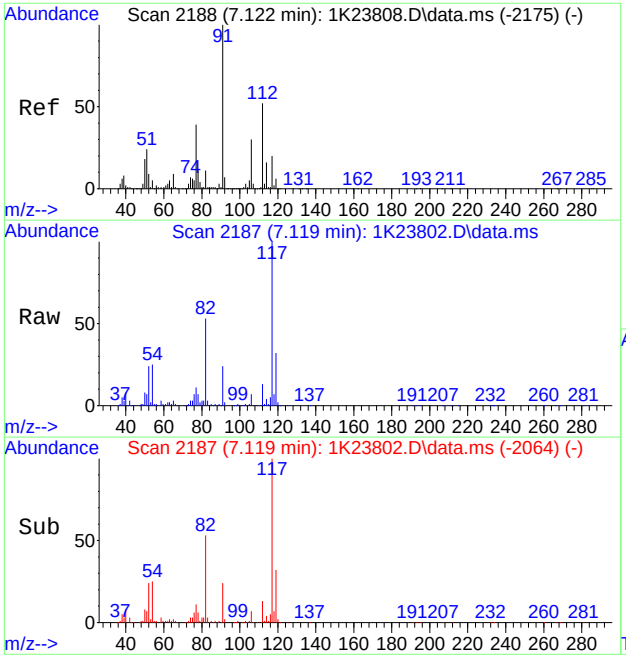


#86
1,1,1,2-tetrachloroethane
Concen: 3.61 ug/L
RT: 7.151 min Scan# 2197
Delta R.T. 0.000 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion:131 Resp: 19226

Ion	Ratio	Lower	Upper
131	100		
133	107.7	64.3	124.3
119	66.5	27.7	87.7

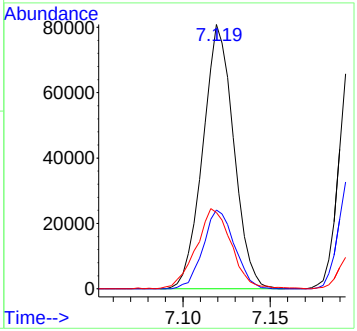


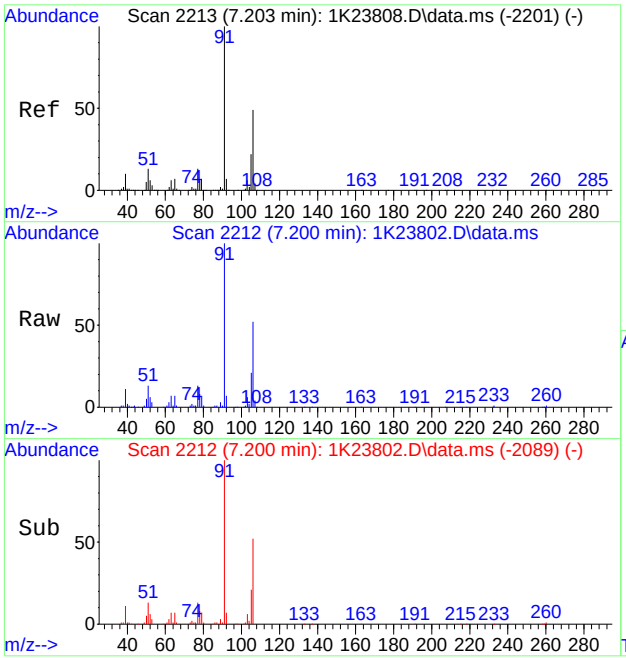


#87
ethylbenzene
Concen: 3.74 ug/L
RT: 7.119 min Scan# 2187
Delta R.T. -0.003 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion: 91 Resp: 99628

Ion	Ratio	Lower	Upper
91	100		
106	29.8	0.3	60.3
51	28.6	0.0	54.3

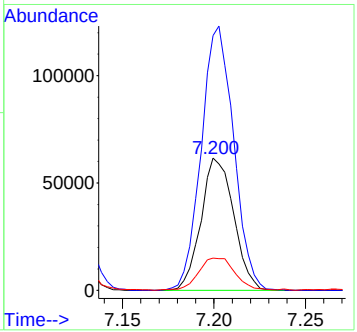


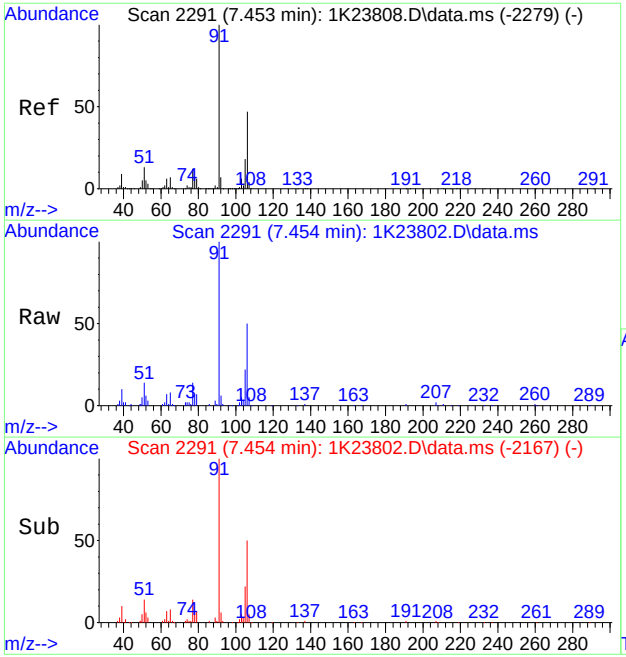


#88
m,p-xylene
Concen: 7.89 ug/L
RT: 7.200 min Scan# 2212
Delta R.T. -0.003 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion:106 Resp: 77028

Ion	Ratio	Lower	Upper
106	100		
91	192.6	176.0	236.0
77	23.9	5.9	45.9

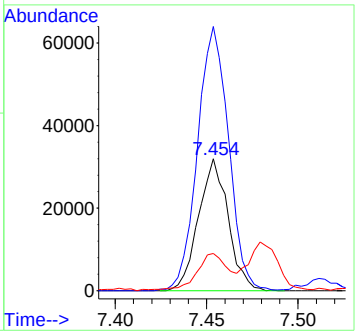


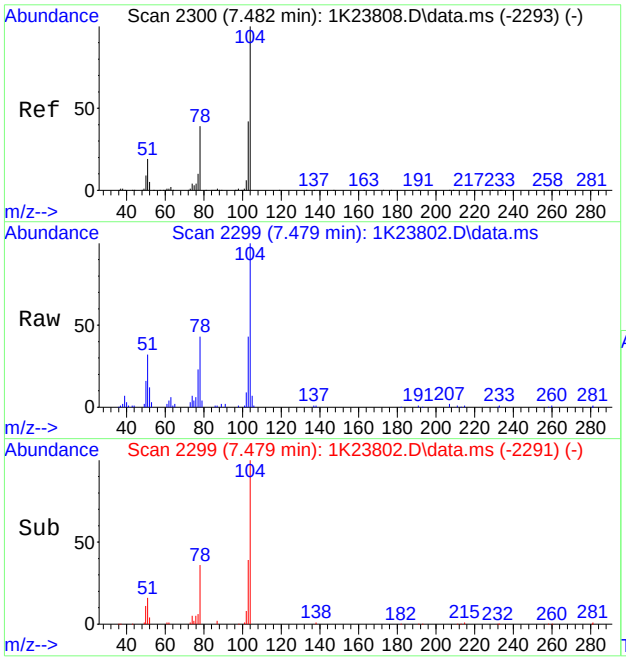


#89
o-xylene
Concen: 3.92 ug/L
RT: 7.454 min Scan# 2291
Delta R.T. 0.000 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion:106 Resp: 36200

Ion	Ratio	Lower	Upper
106	100		
91	199.2	183.9	243.9
77	27.1	5.0	45.0

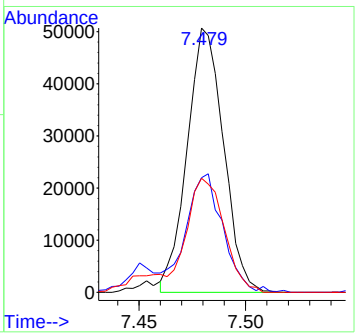


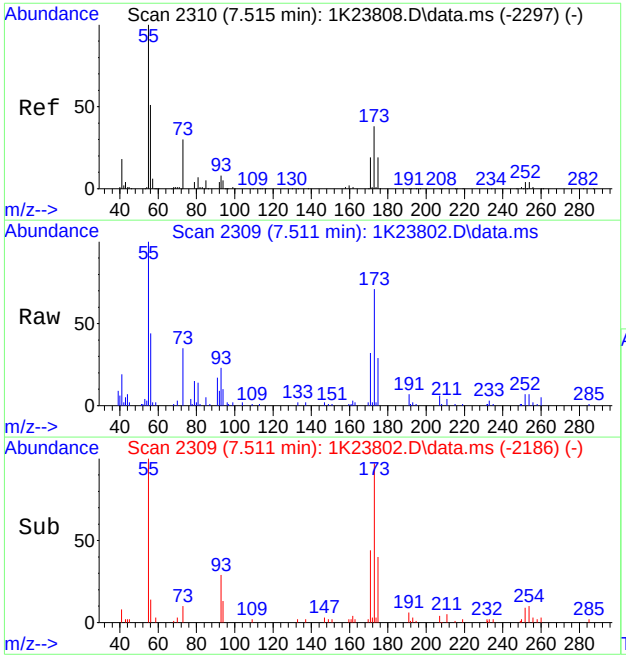


#90
styrene
Concen: 3.83 ug/L
RT: 7.479 min Scan# 2299
Delta R.T. -0.003 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion:104 Resp: 60171

Ion	Ratio	Lower	Upper
104	100		
78	42.6	13.8	73.8
103	43.1	16.3	76.3

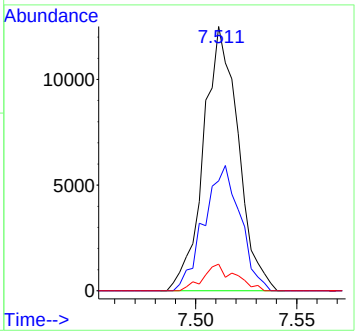


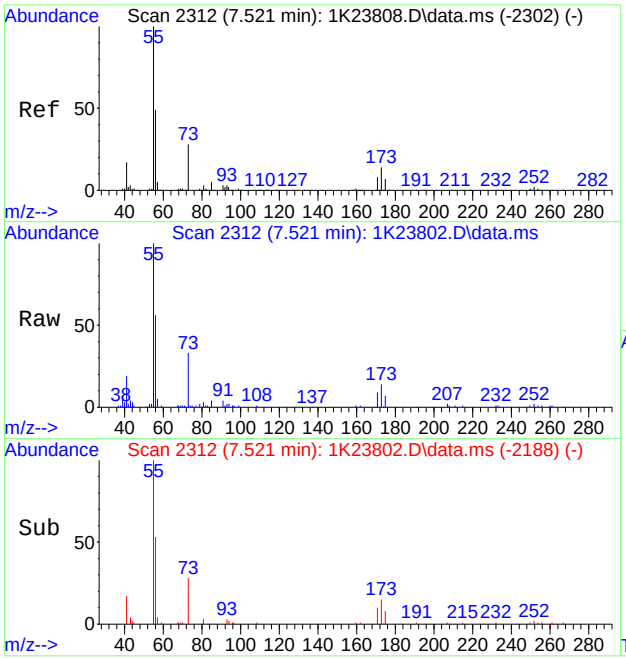


#91
bromoform
Concen: 3.92 ug/L
RT: 7.511 min Scan# 2309
Delta R.T. -0.003 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion:173 Resp: 14903

Ion	Ratio	Lower	Upper
173	100		
175	41.5	20.6	80.6
254	10.1	0.0	39.4

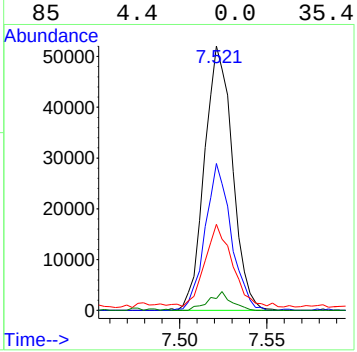


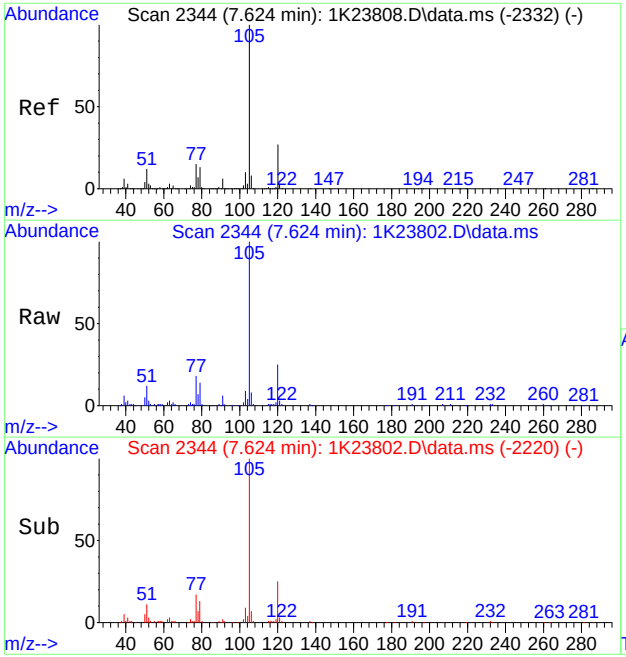


#92
butyl acrylate
Concen: 3.86 ug/L
RT: 7.521 min Scan# 2312
Delta R.T. 0.000 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion: 55 Resp: 58049

Ion	Ratio	Lower	Upper
55	100		
56	55.6	19.2	79.2
73	31.3	0.0	59.1
85	4.4	0.0	35.4

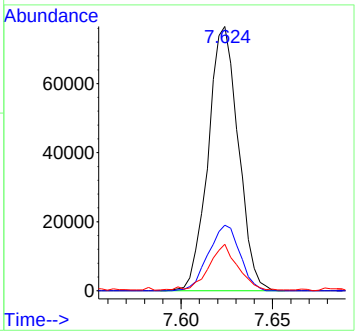


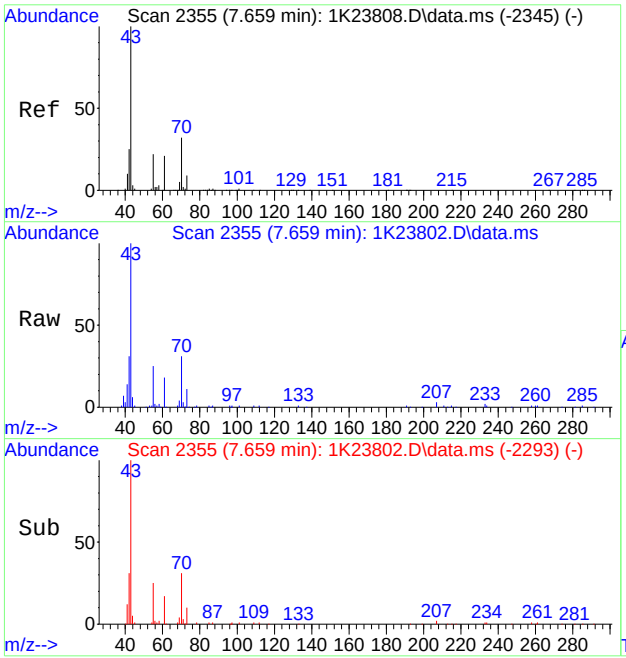


#93
isopropylbenzene
Concen: 3.85 ug/L
RT: 7.624 min Scan# 2344
Delta R.T. 0.000 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion:105 Resp: 88358

Ion	Ratio	Lower	Upper
105	100		
120	24.8	7.4	47.4
77	17.2	0.0	35.4

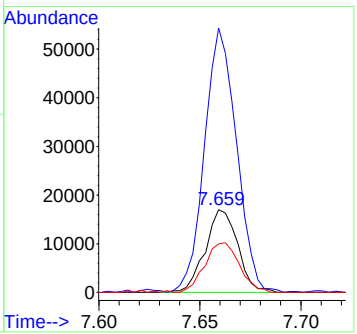


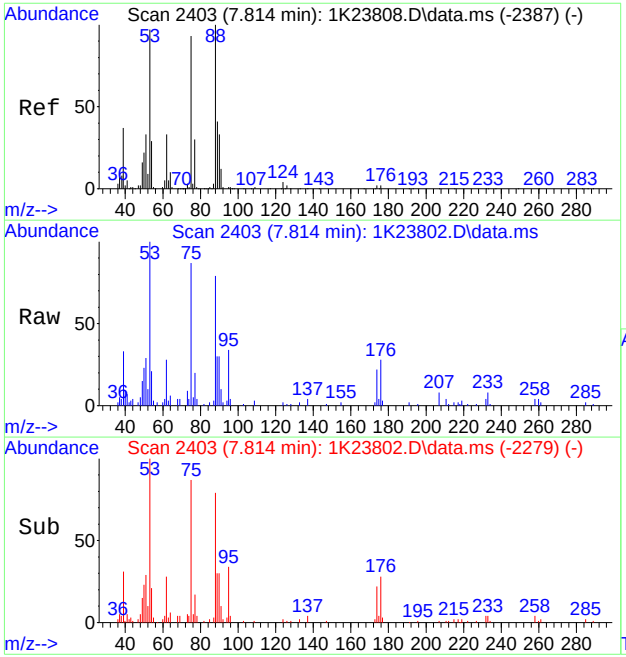


#94
n-amyl acetate
Concen: 3.85 ug/L
RT: 7.659 min Scan# 2355
Delta R.T. 0.000 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion: 70 Resp: 19048

Ion	Ratio	Lower	Upper
70	100		
43	320.0	293.9	333.9
61	58.6	48.4	88.4

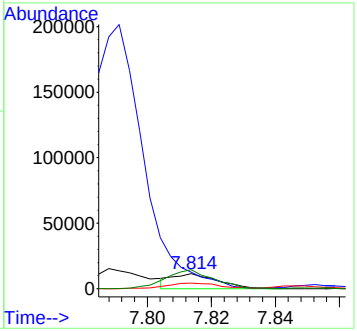


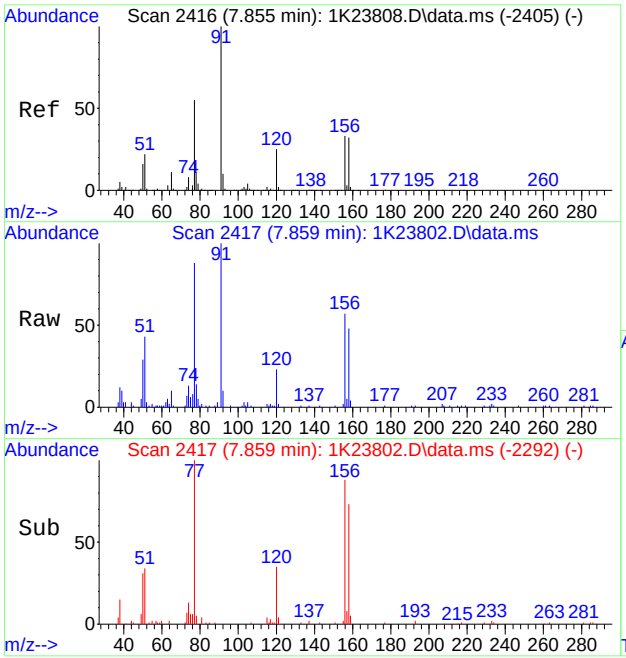


#95
cis-1,4-dichloro-2-butene
Concen: 3.03 ug/L
RT: 7.814 min Scan# 2403
Delta R.T. 0.000 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion: 88 Resp: 11437

Ion	Ratio	Lower	Upper
88	100		
75	102.4	72.9	112.9
89	23.3	20.6	60.6
53	123.4	76.9	116.9#

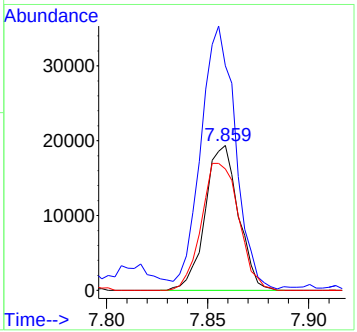


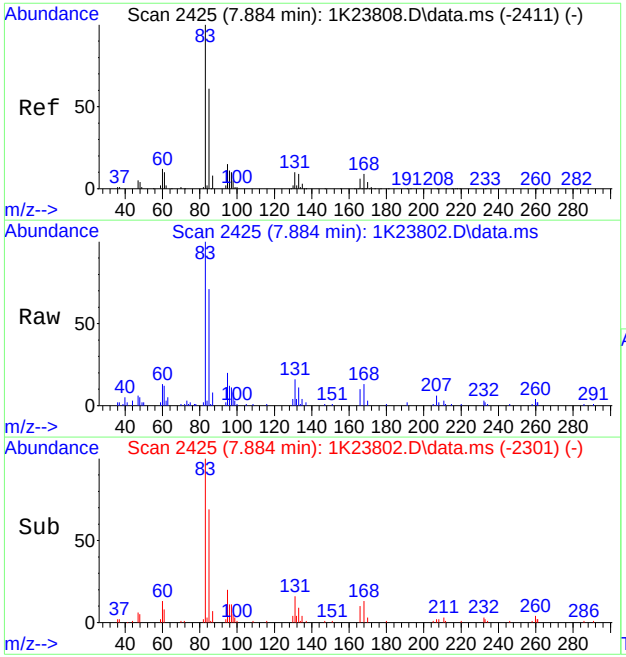


#98
bromobenzene
Concen: 3.87 ug/L
RT: 7.859 min Scan# 2417
Delta R.T. 0.003 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion:156 Resp: 22169

Ion	Ratio	Lower	Upper
156	100		
77	152.4	150.1	210.1
158	83.7	66.6	126.6

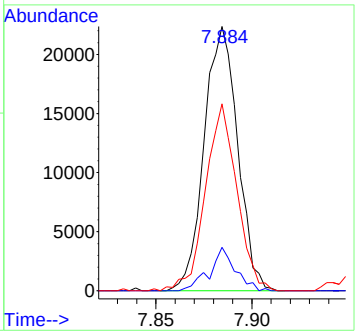


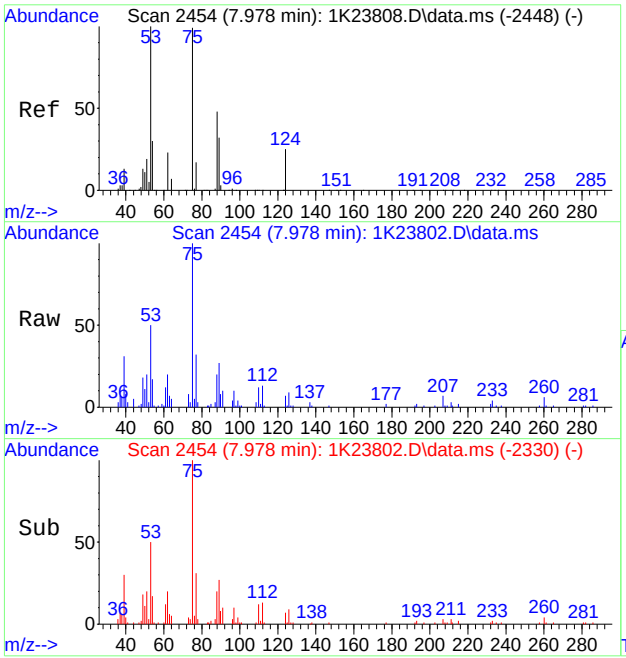


#99
1,1,2,2-tetrachloroethane
Concen: 3.73 ug/L
RT: 7.884 min Scan# 2425
Delta R.T. 0.000 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion: 83 Resp: 27123

Ion	Ratio	Lower	Upper
83	100		
131	16.4	0.0	40.0
85	70.7	31.1	91.1

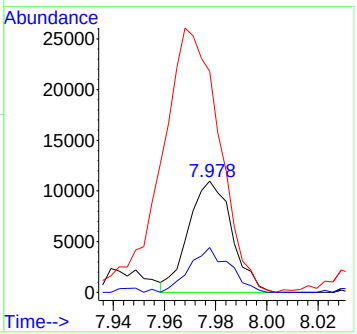


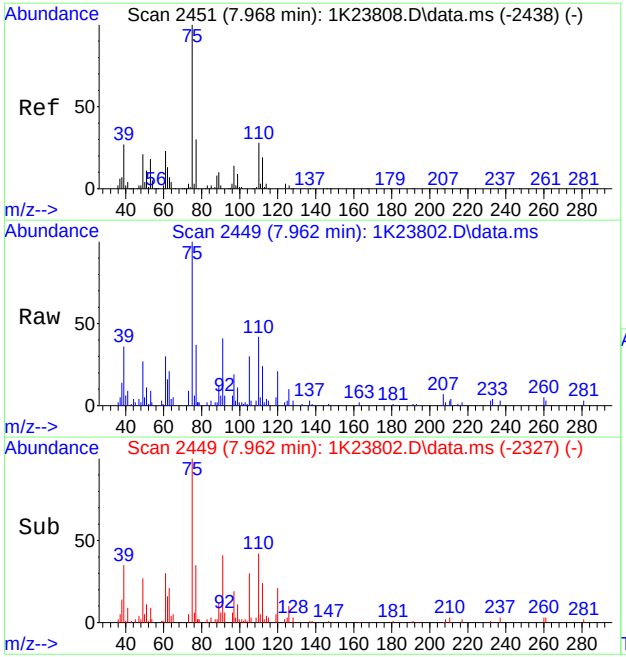


#100
trans-1,4-dichloro-2-butene
Concen: 4.12 ug/L
RT: 7.978 min Scan# 2454
Delta R.T. 0.000 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion: 53 Resp: 12924

Ion	Ratio	Lower	Upper
53	100		
88	40.3	17.1	77.1
75	196.4	162.2	222.2

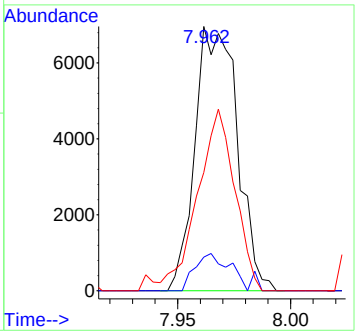


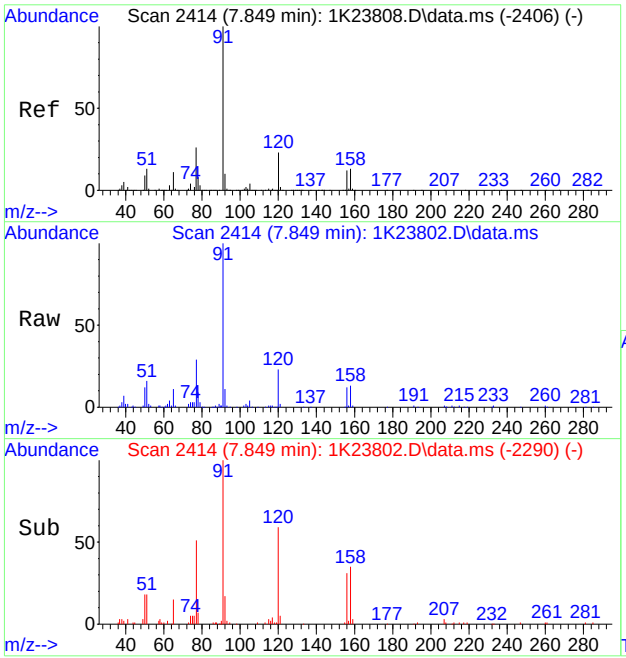


#101
1,2,3-trichloropropane
Concen: 3.71 ug/L
RT: 7.962 min Scan# 2449
Delta R.T. -0.006 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion:110 Resp: 9026

Ion	Ratio	Lower	Upper
110	100		
111	12.8	0.0	39.1
97	44.7	20.8	80.8

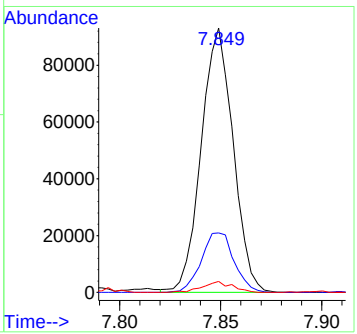


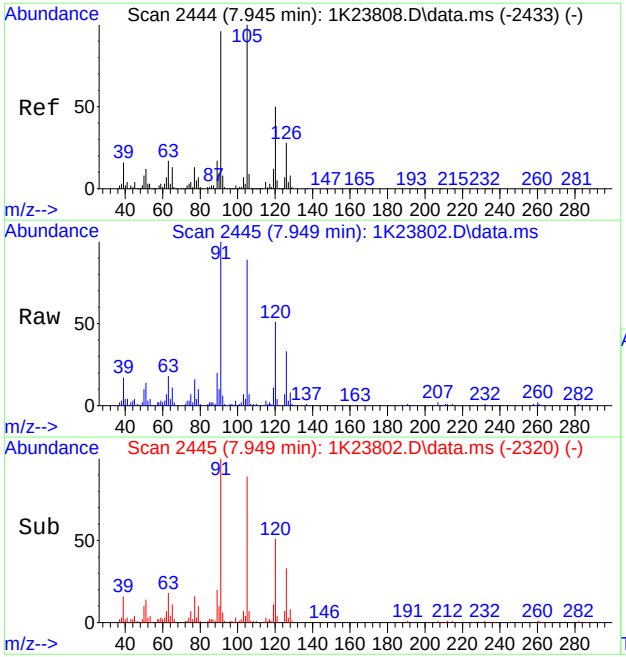


#102
n-propylbenzene
Concen: 3.91 ug/L
RT: 7.849 min Scan# 2414
Delta R.T. 0.000 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion: 91 Resp: 102327

Ion	Ratio	Lower	Upper
91	100		
120	22.5	0.0	52.5
105	4.1	0.0	33.5

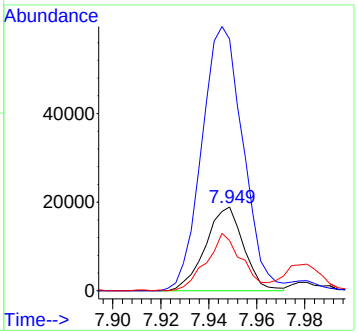


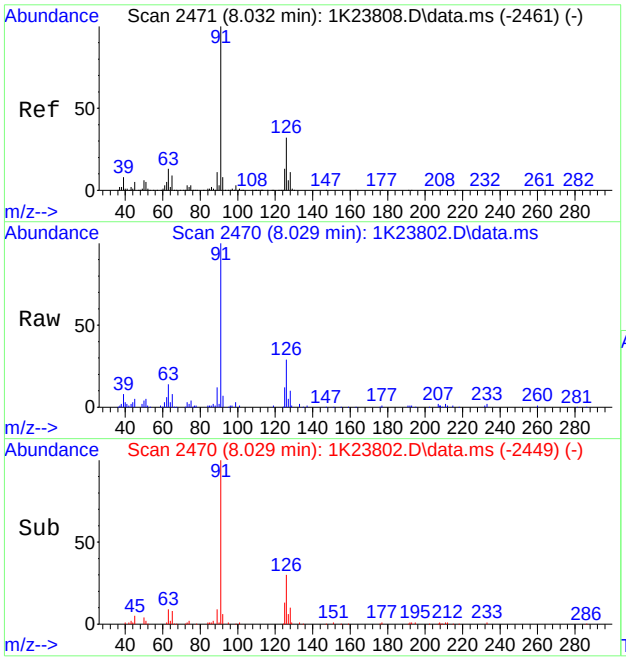


#103
2-chlorotoluene
Concen: 3.88 ug/L
RT: 7.949 min Scan# 2445
Delta R.T. 0.003 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion:126 Resp: 20871

Ion	Ratio	Lower	Upper
126	100		
91	300.6	316.4	376.4#
89	59.0	33.0	93.0

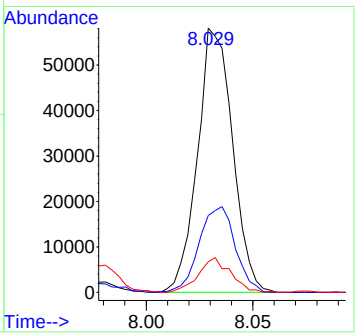


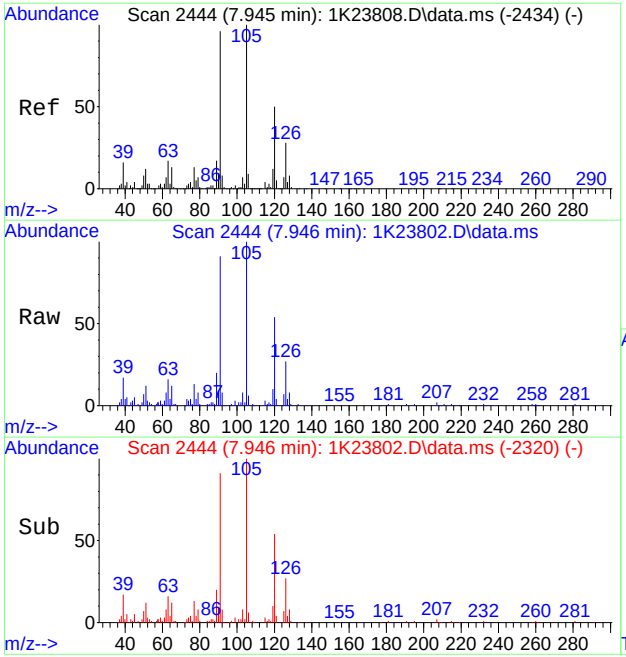


#104
4-chlorotoluene
Concen: 3.83 ug/L
RT: 8.029 min Scan# 2470
Delta R.T. -0.003 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion: 91 Resp: 66515

Ion	Ratio	Lower	Upper
91	100		
126	29.0	2.1	62.1
89	11.6	0.0	41.4

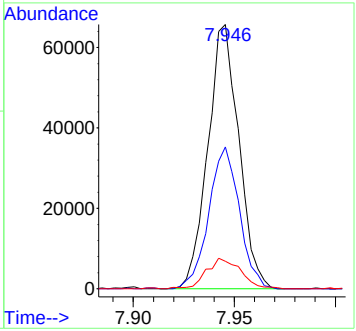


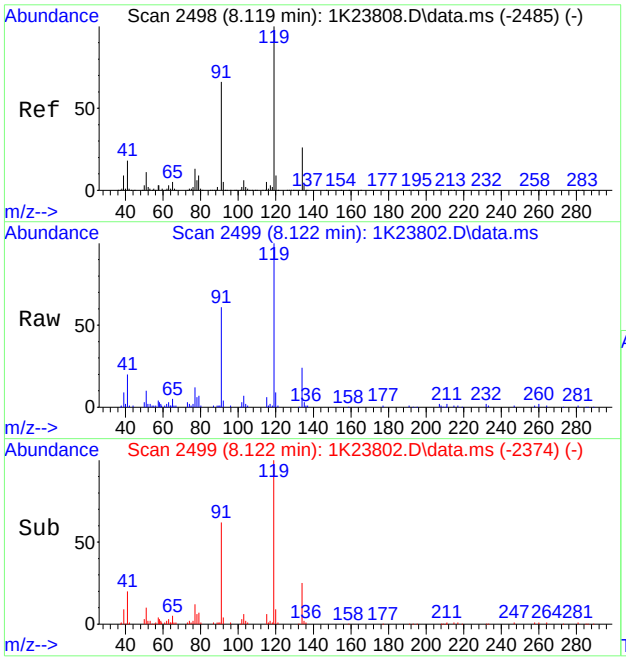


#105
1,3,5-trimethylbenzene
Concen: 3.93 ug/L
RT: 7.946 min Scan# 2444
Delta R.T. 0.000 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion:105 Resp: 70121

Ion	Ratio	Lower	Upper
105	100		
120	53.6	20.0	80.0
119	10.4	0.0	41.7

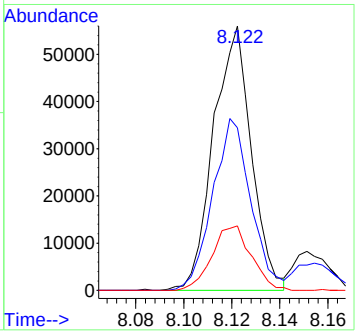


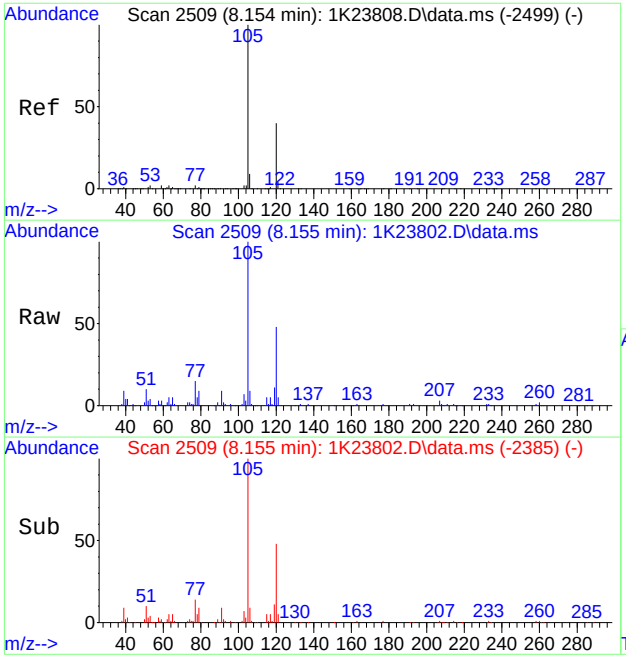


#106
tert-butylbenzene
Concen: 3.91 ug/L
RT: 8.122 min Scan# 2499
Delta R.T. 0.003 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion:119 Resp: 61303

Ion	Ratio	Lower	Upper
119	100		
91	61.5	36.3	96.3
134	24.4	0.0	56.2

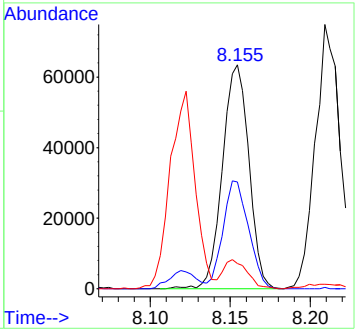


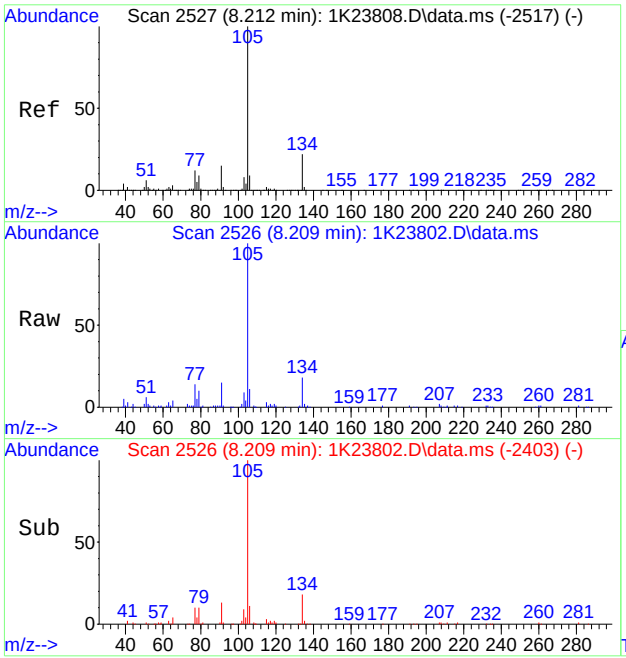


#107
1,2,4-trimethylbenzene
Concen: 3.88 ug/L
RT: 8.155 min Scan# 2509
Delta R.T. 0.000 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion:105 Resp: 73008

Ion	Ratio	Lower	Upper
105	100		
120	47.7	17.1	77.1
119	11.4	0.0	42.1

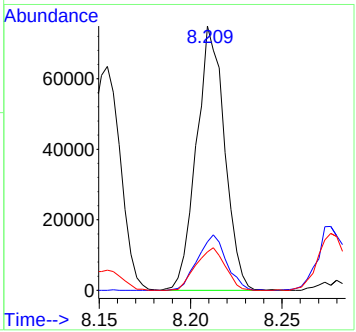


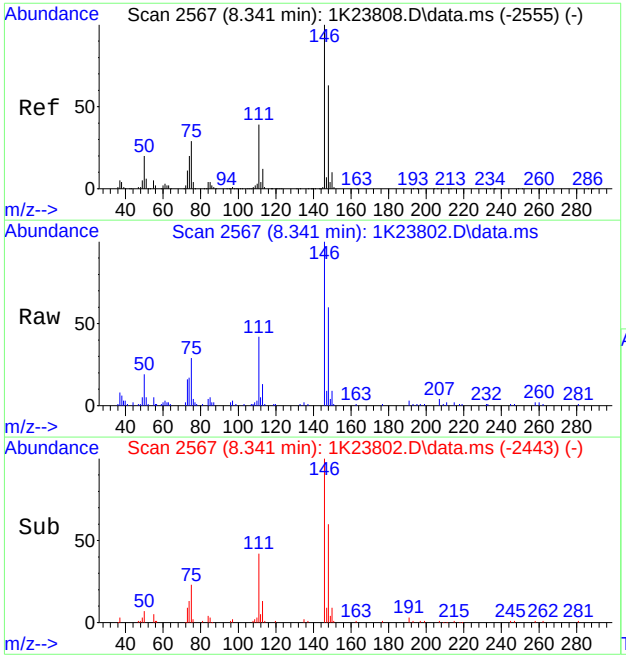


#108
sec-butylbenzene
Concen: 3.88 ug/L
RT: 8.209 min Scan# 2526
Delta R.T. -0.003 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion:105 Resp: 80146

Ion	Ratio	Lower	Upper
105	100		
134	18.4	0.0	51.5
91	14.5	0.0	45.0

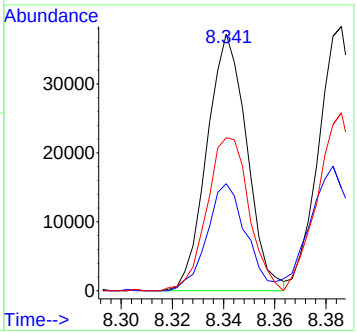


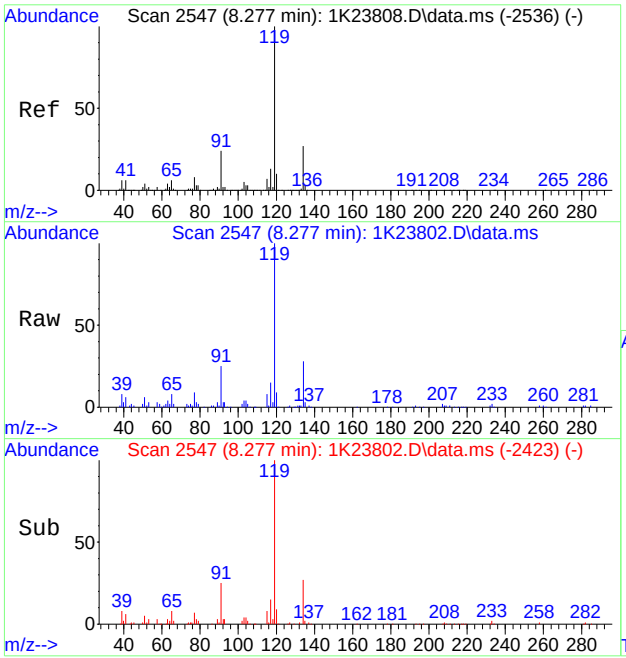


#109
1,3-dichlorobenzene
Concen: 3.86 ug/L
RT: 8.341 min Scan# 2567
Delta R.T. 0.000 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion:146 Resp: 40321

Ion	Ratio	Lower	Upper
146	100		
111	41.7	8.9	68.9
148	59.5	32.9	92.9

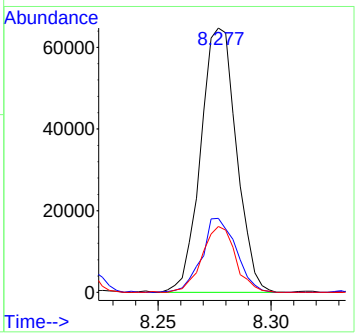


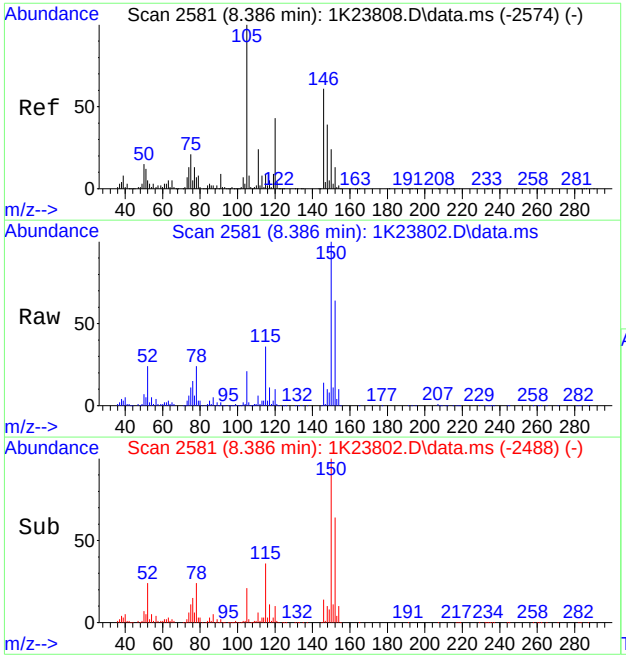


#110
p-isopropyltoluene
Concen: 3.96 ug/L
RT: 8.277 min Scan# 2547
Delta R.T. 0.000 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion:119 Resp: 70950

Ion	Ratio	Lower	Upper
119	100		
134	28.0	0.0	56.8
91	25.0	0.0	53.8

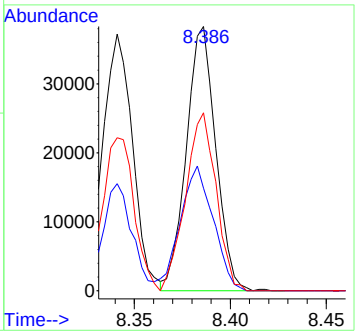


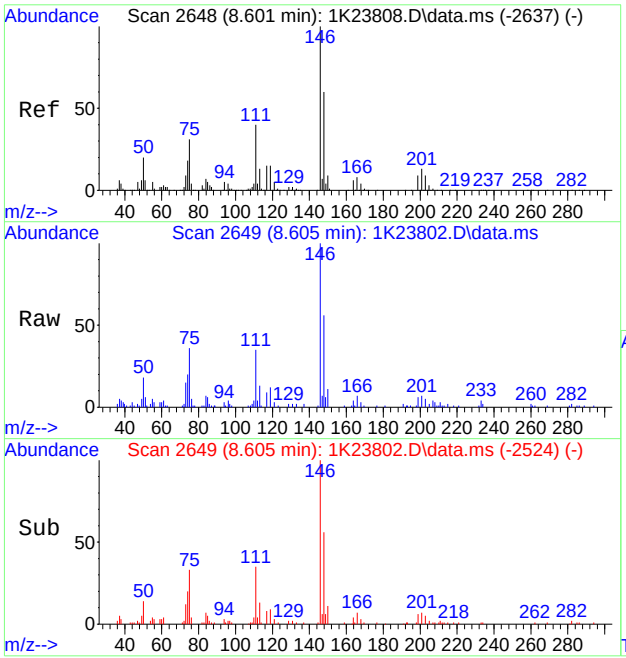


#111
1,4-dichlorobenzene
Concen: 3.70 ug/L
RT: 8.386 min Scan# 2581
Delta R.T. 0.000 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion:146 Resp: 40984

Ion	Ratio	Lower	Upper
146	100		
111	38.8	9.1	69.1
148	67.3	33.9	93.9

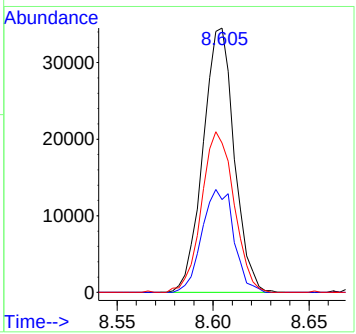


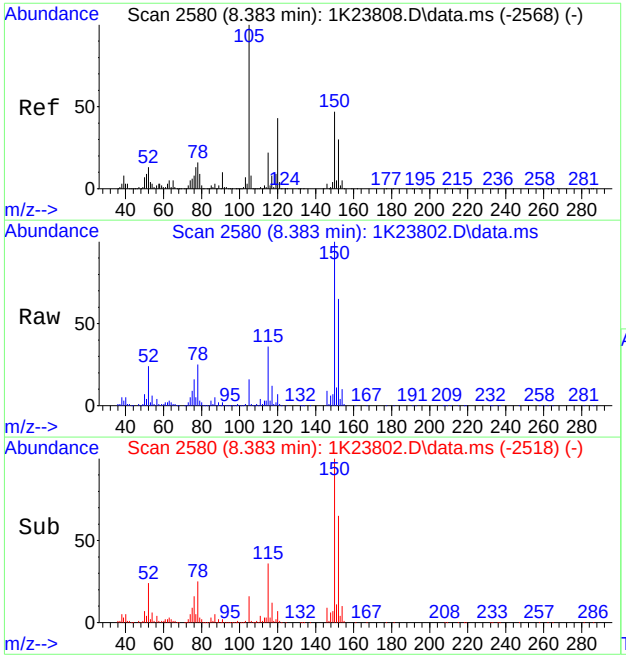


#112
1,2-dichlorobenzene
Concen: 3.96 ug/L
RT: 8.605 min Scan# 2649
Delta R.T. 0.003 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion:146 Resp: 39098

Ion	Ratio	Lower	Upper
146	100		
111	35.1	9.9	69.9
148	56.5	30.0	90.0

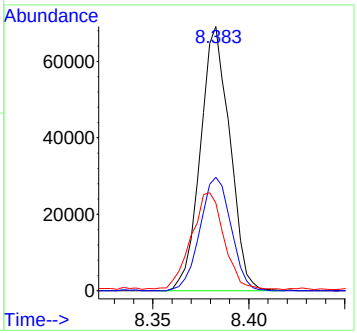


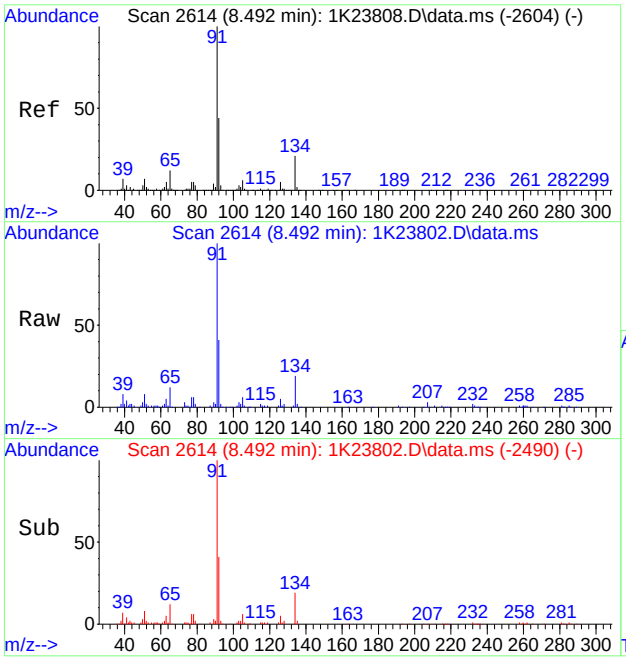


#113
1,2,3-trimethylbenzene
Concen: 3.79 ug/L
RT: 8.383 min Scan# 2580
Delta R.T. 0.000 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion:105 Resp: 73871

Ion	Ratio	Lower	Upper
105	100		
120	43.0	12.7	72.7
77	32.8	0.0	43.6

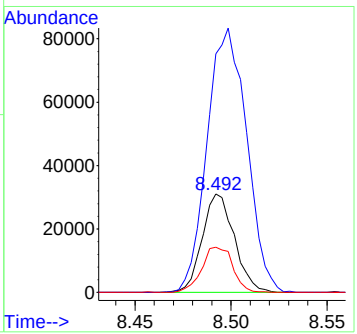


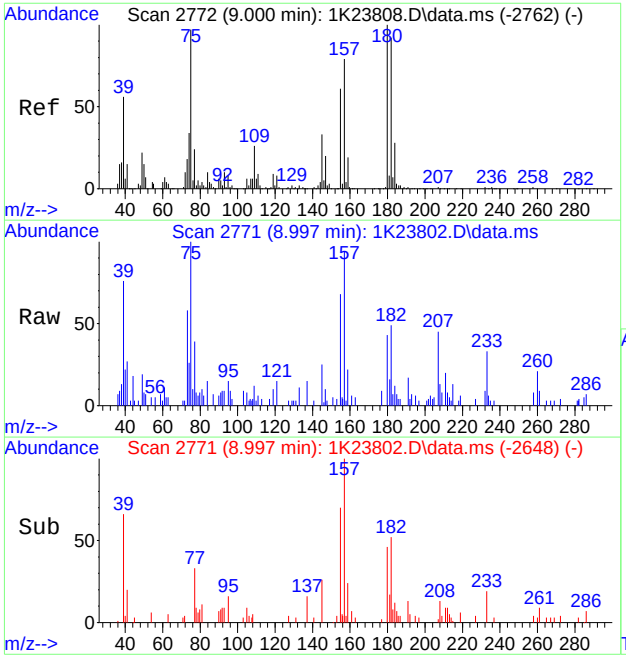


#114
n-butylbenzene
Concen: 3.69 ug/L
RT: 8.492 min Scan# 2614
Delta R.T. 0.000 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion: 92 Resp: 36152

Ion	Ratio	Lower	Upper
92	100		
91	242.5	199.3	259.3
134	45.8	17.7	77.7

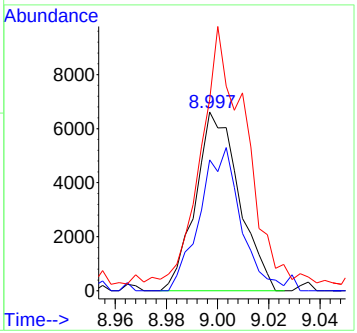


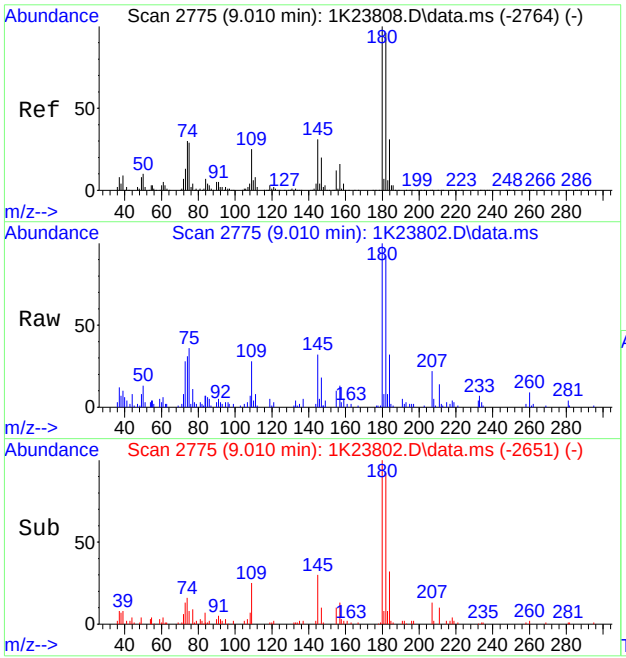


#115
1,2-dibromo-3-chloropropane
Concen: 3.85 ug/L
RT: 8.997 min Scan# 2771
Delta R.T. -0.003 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion:157 Resp: 7816

Ion	Ratio	Lower	Upper
157	100		
155	73.1	47.8	107.8
75	100.3	92.6	152.6

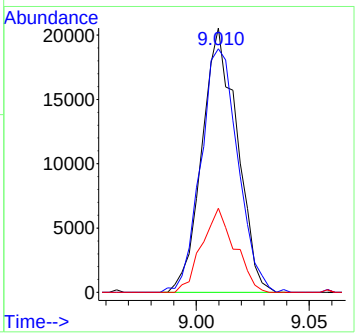


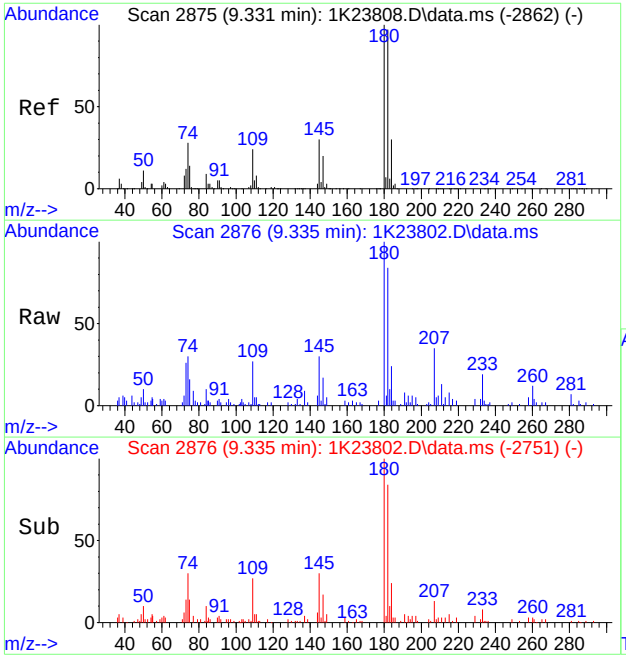


#116
1,3,5-trichlorobenzene
Concen: 3.66 ug/L
RT: 9.010 min Scan# 2775
Delta R.T. 0.000 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion:180 Resp: 22193

Ion	Ratio	Lower	Upper
180	100		
182	92.1	76.0	116.0
184	31.8	11.0	51.0

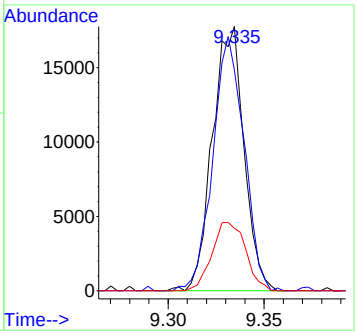


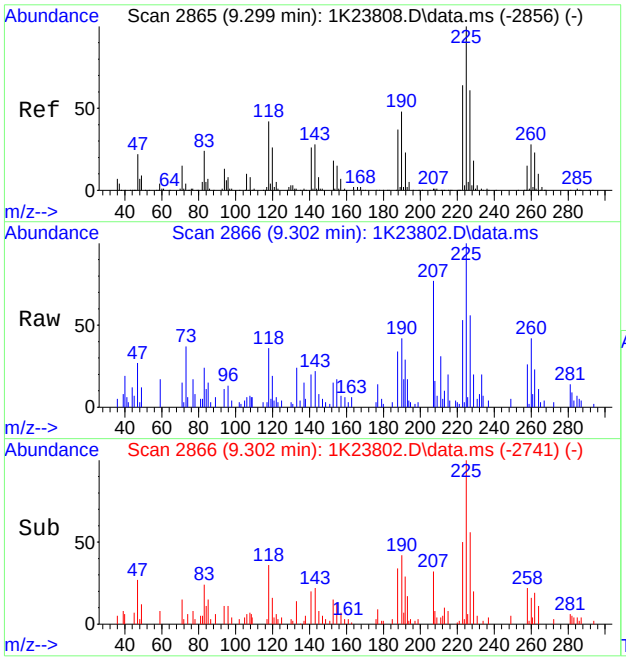


#117
1,2,4-trichlorobenzene
Concen: 3.76 ug/L
RT: 9.335 min Scan# 2876
Delta R.T. 0.003 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion:180 Resp: 20309

Ion	Ratio	Lower	Upper
180	100		
182	83.7	67.0	127.0
184	23.6	0.2	60.2

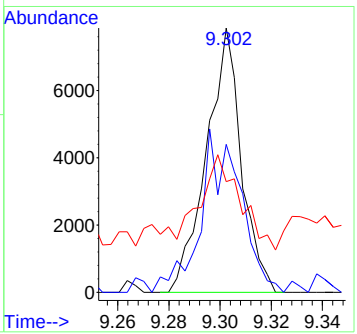


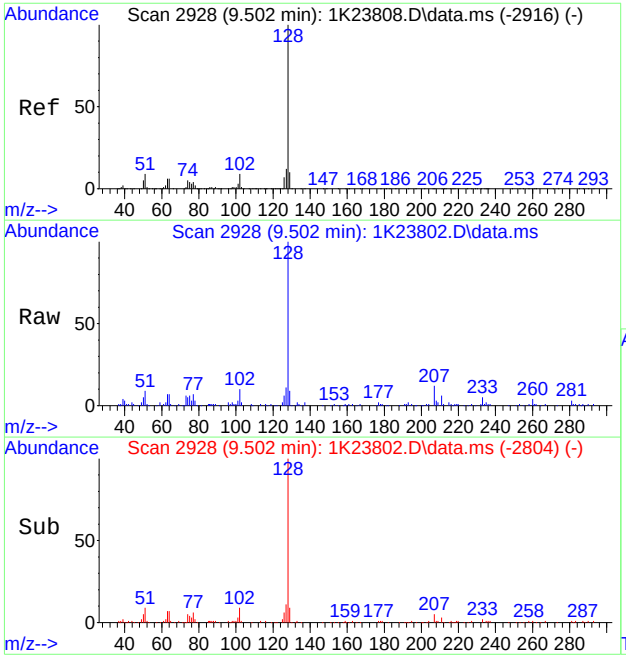


#118
hexachlorobutadiene
Concen: 3.97 ug/L
RT: 9.302 min Scan# 2866
Delta R.T. 0.003 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion:225 Resp: 7440

Ion	Ratio	Lower	Upper
225	100		
227	56.0	31.7	91.7
260	19.9	0.0	58.9

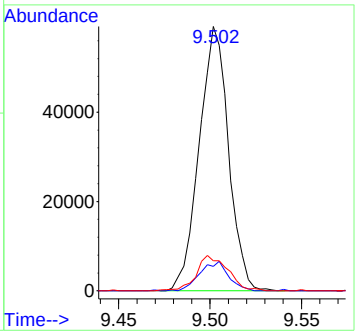


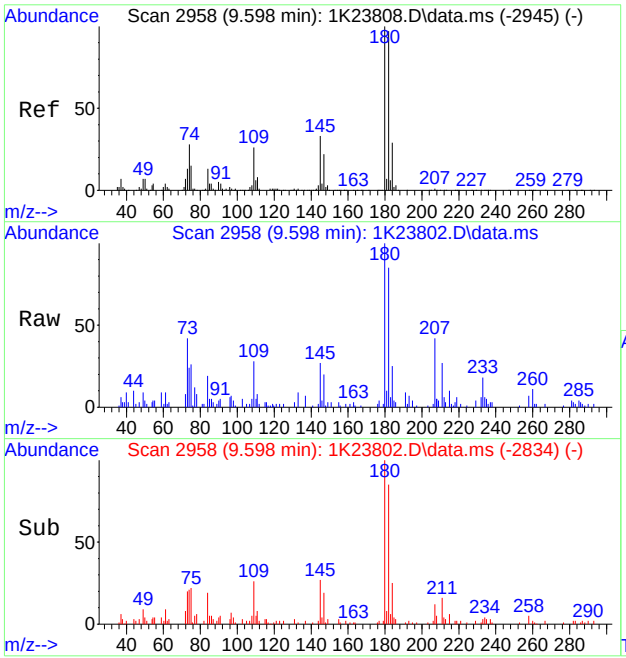


#119
naphthalene
Concen: 3.92 ug/L
RT: 9.502 min Scan# 2928
Delta R.T. 0.000 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion:128 Resp: 66409

Ion	Ratio	Lower	Upper
128	100		
129	9.3	0.0	40.4
127	11.3	0.0	42.3

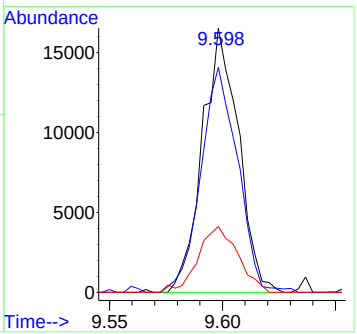


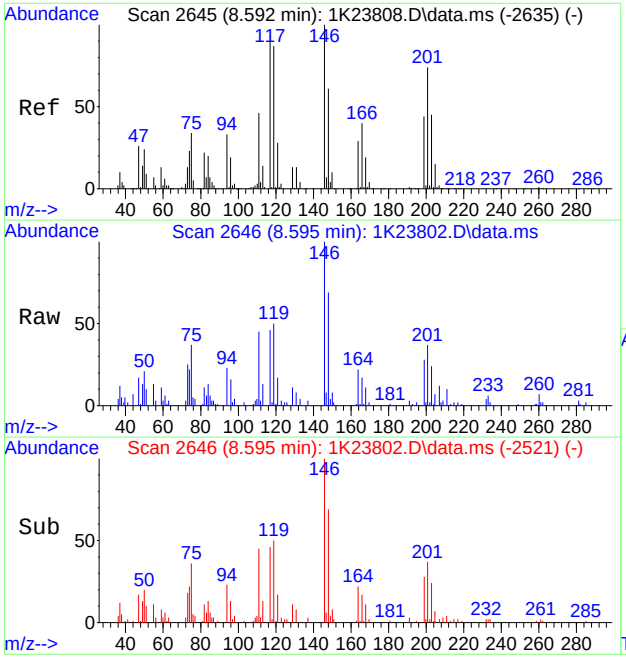


#120
1,2,3-trichlorobenzene
Concen: 4.00 ug/L
RT: 9.598 min Scan# 2958
Delta R.T. 0.000 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion:180 Resp: 18382

Ion	Ratio	Lower	Upper
180	100		
182	85.1	66.8	126.8
184	25.0	0.0	59.3

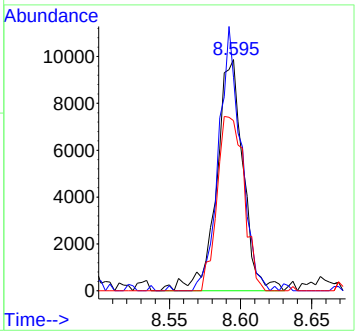


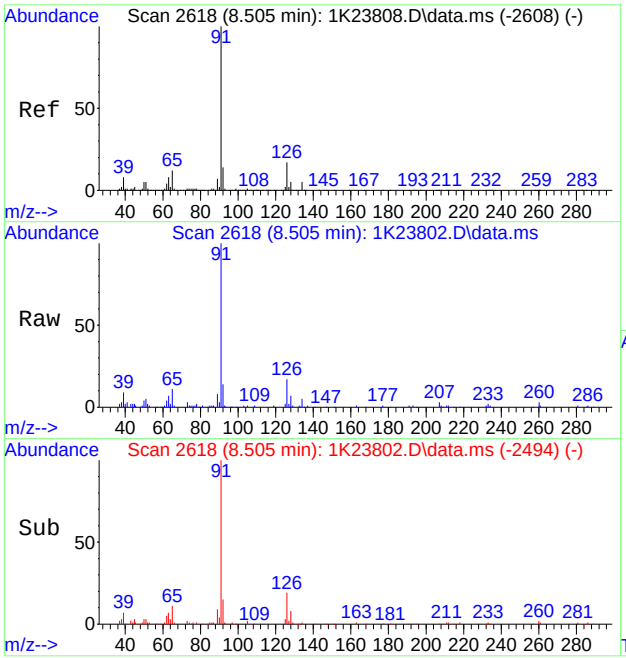


#121
hexachloroethane
Concen: 3.78 ug/L
RT: 8.595 min Scan# 2646
Delta R.T. 0.003 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion:119 Resp: 12861

Ion	Ratio	Lower	Upper
119	100		
117	92.4	74.2	134.2
201	73.7	55.5	115.5

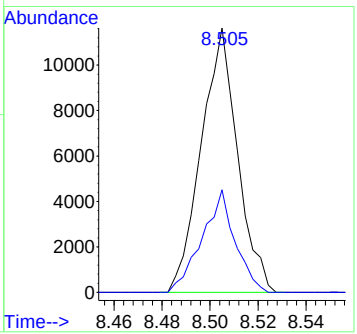


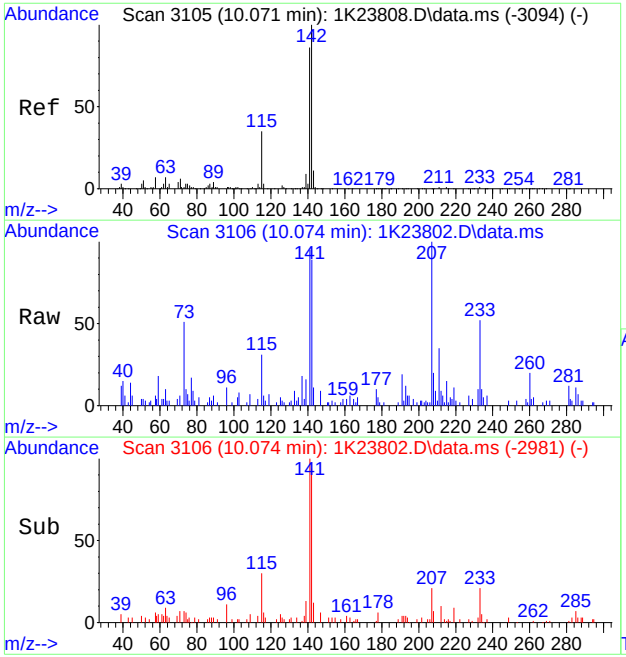


#122
benzyl chloride
Concen: 3.86 ug/L
RT: 8.505 min Scan# 2618
Delta R.T. 0.000 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion:126 Resp: 12211

Ion	Ratio	Lower	Upper
126	100		
128	38.8	0.0	59.1

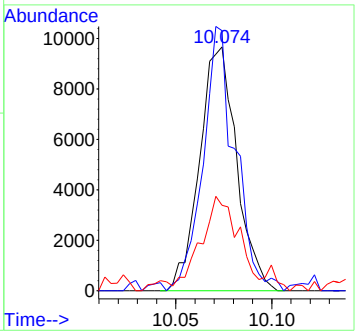




#123
2-methylnaphthalene
Concen: 1.86 ug/L
RT: 10.074 min Scan# 3106
Delta R.T. 0.003 min
Lab File: 1K23802.D
Acq: 5 Sep 2025 11:24 pm

Tgt Ion:142 Resp: 13015

Ion	Ratio	Lower	Upper
142	100		
141	106.7	56.3	116.3
115	32.4	4.7	64.7



Manual Integration Approval Summary

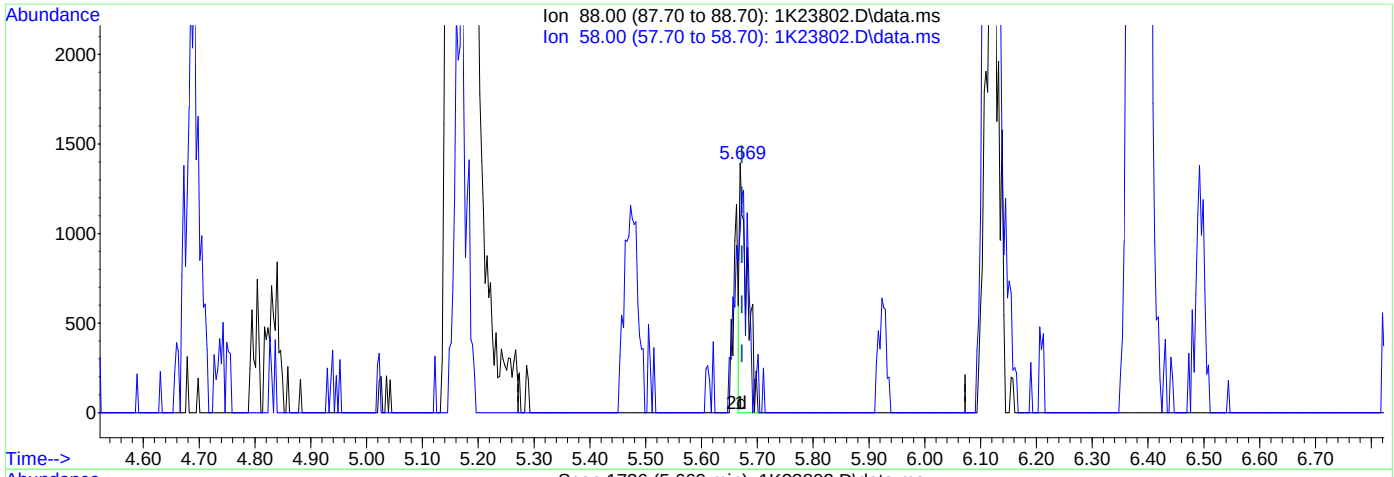
Sample Number:	V1K658-IC658	**Method:**	SW846 8260D
Lab FileID:	1K23802.D	**Analyst approved:**	09/08/25 12:39 MoHui Huang
Injection Time:	09/05/25 23:24	**Supervisor approved:**	09/08/25 19:13 Kanya Veerawat

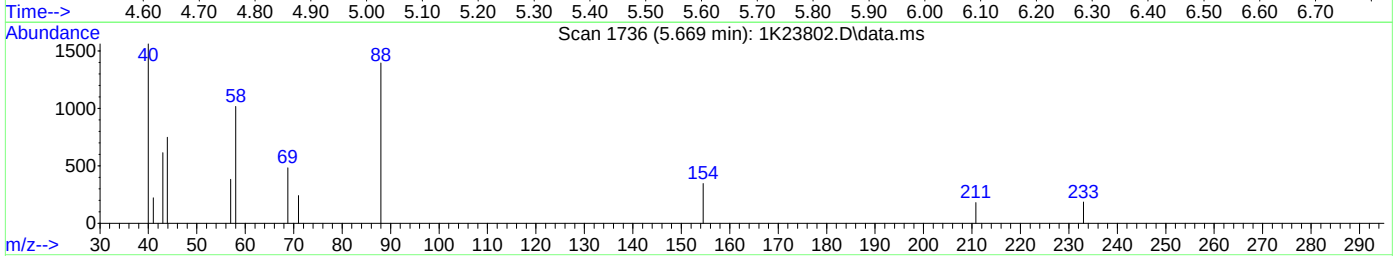
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,4-Dioxane	123-91-1		5.67	Split peak

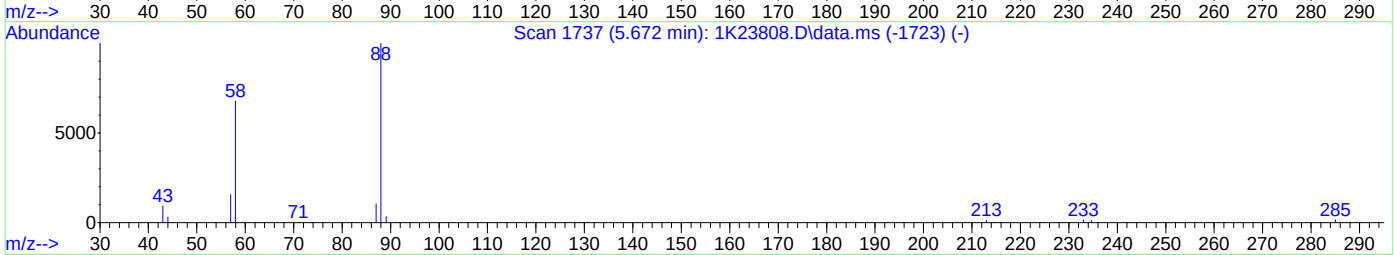
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 1K23802.D
Acq On : 5 Sep 2025 11:24 pm
Operator : PrashanS
Sample : IC658-4
Misc : MS95614,V1K658,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 08 11:30:48 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 11:30:41 2025
Response via : Initial Calibration







TIC: 1K23802.D\data.ms

(4) 1,4-dioxane

5.669min (-0.003) 62.47ug/L

response 1321

Ion	Exp%	Act%
88.00	100	100
58.00	73.20	72.88
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 1K23804.D
Acq On : 5 Sep 2025 11:58 pm
Operator : PrashanS
Sample : IC658-8
Misc : MS95614,V1K658,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 08 11:37:16 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 11:35:17 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	3.489	65	238676	500.00	ug/L	0.00
5) pentafluorobenzene	4.807	168	711010	50.00	ug/L	0.00
50) 1,4-difluorobenzene	5.168	114	1101532	50.00	ug/L	0.00
72) chlorobenzene-d5	7.110	117	894147	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	8.376	152	424204	50.00	ug/L	0.00
124) pentafluorobenzene(a)	4.807	168	711010	50.00	ug/L	0.00
128) 1,4-dichlorobenzene-d4(a)	8.376	152	424204	50.00	ug/L	0.00
System Monitoring Compounds						
42) dibromofluoromethane (s)	4.525	113	303465	50.21	ug/L	0.00
Spiked Amount 50.000	Range 75 - 127		Recovery = 100.42%			
51) 1,2-dichloroethane-d4 (s)	4.878	65	387856	49.82	ug/L	0.00
Spiked Amount 50.000	Range 75 - 130		Recovery = 99.64%			
73) toluene-d8 (s)	6.119	98	1248921	50.28	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.56%			
97) 4-bromofluorobenzene (s)	7.791	95	452060	50.44	ug/L	0.00
Spiked Amount 50.000	Range 79 - 127		Recovery = 100.88%			
Target Compounds						Qvalue
2) ethanol	2.814	45	27342	889.0304	ug/L	95
3) tertiary butyl alcohol	3.544	59	24280	39.5636	ug/L	90
4) 1,4-dioxane	5.672	88	4918	221.5159	ug/L #	47
6) chlorodifluoromethane	1.750	51	80977	7.8292	ug/L	99
7) dichlorodifluoromethane	1.718	85	59719	8.0504	ug/L	91
8) chloromethane	1.898	50	66621	7.7492	ug/L	99
9) vinyl chloride	1.965	62	55565	7.9864	ug/L	92
10) 1,3-butadiene	1.978	39	56307	7.6299	ug/L	89
11) bromomethane	2.255	96	15981	8.2039	ug/L #	72
12) chloroethane	2.367	64	32886	8.4673	ug/L	97
13) trichlorofluoromethane	2.480	101	78742	8.0701	ug/L	98
14) ethyl ether	2.721	74	25933	8.0854	ug/L	84
15) acrolein	3.142	56	11952	7.8311	ug/L	94
16) freon 113	2.917	151	32894	8.0993	ug/L	92
17) 1,1-dichloroethene	2.898	61	69763	7.5334	ug/L	95
18) acetone	3.354	58	21403	30.8895	ug/L #	74
19) acetonitrile	3.689	41	72575	82.1066	ug/L	98
20) iodomethane	3.020	142	30315	7.9559	ug/L	92
21) carbon disulfide	2.936	76	119545	7.9795	ug/L	97
22) methylene chloride	3.332	84	39910	7.6962	ug/L	88
23) methyl acetate	3.431	74	8519	7.2053	ug/L #	65
24) methyl tert butyl ether	3.505	73	130413	7.6664	ug/L	89
25) trans-1,2-dichloroethene	3.444	96	41123	7.5009	ug/L	93
26) hexane	3.499	57	102481	7.4461	ug/L	91
27) di-isopropyl ether	3.759	45	177568	7.7467	ug/L	97
28) ethyl tert-butyl ether	4.007	59	157051	7.7635	ug/L	98
29) 2-butanone	4.589	72	26743	30.8808	ug/L	94
30) 1,1-dichloroethane	3.875	63	88101	8.2633	ug/L	97
31) chloroprene	3.859	53	93132	7.8860	ug/L	94
32) acrylonitrile	3.904	52	21342	8.0846	ug/L	86
33) vinyl acetate	4.016	86	10125	7.7316	ug/L #	89
34) ethyl acetate	4.454	70	5598	7.4145	ug/L	83
35) 2,2-dichloropropane	4.309	77	68567	7.4654	ug/L	96
36) cis-1,2-dichloroethene	4.232	96	42121	7.5810	ug/L	95
37) propionitrile	4.791	54	91879	79.2607	ug/L	93
38) methyl acrylate	4.470	85	8508	8.6428	ug/L #	67
39) bromochloromethane	4.370	128	19286	7.5301	ug/L	97
40) tetrahydrofuran	4.512	71	7031	7.2674	ug/L #	57

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 1K23804.D
Acq On : 5 Sep 2025 11:58 pm
Operator : PrashanS
Sample : IC658-8
Misc : MS95614,V1K658,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 08 11:37:16 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 11:35:17 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) chloroform	4.402	83	79615	7.4189	ug/L		97
43) methacrylonitrile	4.811	67	23685	6.9984	ug/L		92
44) 1,1,1-trichloroethane	4.557	97	70512	7.9288	ug/L		94
45) cyclohexane	4.383	84	61795	8.1874	ug/L		90
46) 1,1-dichloropropene	4.634	75	60708	7.9092	ug/L		94
47) carbon tetrachloride	4.508	117	64203	7.4822	ug/L		95
49) tert-amyl alcohol	4.942	55	10576	40.5346	ug/L	#	78
52) iso-octane	4.688	57	158006	7.4495	ug/L		98
53) benzene	4.795	78	164665	7.6955	ug/L		96
54) tert-amyl methyl ether	4.840	73	136065	7.7094	ug/L		95
55) heptane	4.743	57	24174	7.3918	ug/L		96
56) isopropyl acetate	5.036	87	11862	7.6022	ug/L	#	44
57) 1,2-dichloroethane	4.920	62	66543	7.3786	ug/L		98
58) n-butyl alcohol	5.312	56	52692	374.7239	ug/L		95
59) ethyl acrylate	5.473	55	85762	8.1419	ug/L		96
60) trichloroethene	5.164	130	41938	7.8782	ug/L		99
61) 2-nitropropane	6.309	41	20026	7.3171	ug/L		87
62) 2-chloroethyl vinyl ether	5.923	63	146098	39.1298	ug/L		96
63) methyl methacrylate	5.614	100	15543	8.6349	ug/L	#	81
64) 1,2-dichloropropane	5.512	63	46227	7.7351	ug/L		95
65) methylcyclohexane	5.171	98	29590	7.5113	ug/L	#	88
66) dibromomethane	5.447	93	24419	7.4433	ug/L		98
67) bromodichloromethane	5.541	83	56053	7.6146	ug/L		98
68) epichlorohydrin	6.155	57	34869	39.7945	ug/L		98
69) cis-1,3-dichloropropene	5.987	75	68723	7.8339	ug/L		96
70) 4-methyl-2-pentanone	6.383	58	106823	31.2089	ug/L		94
71) 3-methyl-1-butanol	6.216	70	23407	159.1635	ug/L		92
74) toluene	6.155	92	103507	7.5731	ug/L		97
75) ethyl methacrylate	6.492	69	63185	8.1062	ug/L		100
76) trans-1,3-dichloropropene	6.418	75	69320	7.9769	ug/L		99
77) 1,1,2-trichloroethane	6.531	83	30031	8.0463	ug/L		92
78) tetrachloroethene	6.422	166	40367	7.6154	ug/L		96
79) 2-hexanone	6.907	58	112385	31.5380	ug/L		95
80) 1,3-dichloropropane	6.711	76	68080	8.0434	ug/L		96
81) butyl acetate	6.833	56	45255	7.8041	ug/L		97
82) dibromochloromethane	6.653	129	41583	7.6831	ug/L		94
83) 1,2-dibromoethane	6.814	107	37334	7.8496	ug/L		95
84) n-butyl ether	7.013	57	226432	8.0512	ug/L		100
85) chlorobenzene	7.122	112	108571	7.6903	ug/L		96
86) 1,1,1,2-tetrachloroethane	7.148	131	38494	7.4252	ug/L		89
87) ethylbenzene	7.119	91	197317	7.5612	ug/L		95
88) m,p-xylene	7.203	106	150338	15.5393	ug/L		95
89) o-xylene	7.454	106	74742	8.1697	ug/L		96
90) styrene	7.483	104	120357	7.7663	ug/L		96
91) bromoform	7.512	173	29954	7.9604	ug/L		95
92) butyl acrylate	7.521	55	121271	8.1781	ug/L		97
93) isopropylbenzene	7.621	105	181379	8.0140	ug/L		99
94) n-amyl acetate	7.659	70	41160	8.4311	ug/L	#	88
95) cis-1,4-dichloro-2-butene	7.811	88	24746	7.5106	ug/L		89
98) bromobenzene	7.856	156	45927	8.1482	ug/L		94
99) 1,1,2,2-tetrachloroethane	7.885	83	56232	7.9144	ug/L		94
100) trans-1,4-dichloro-2-b...	7.978	53	27070	8.6513	ug/L		85
101) 1,2,3-trichloropropane	7.968	110	18588	7.8476	ug/L		91
102) n-propylbenzene	7.849	91	208482	8.0691	ug/L		100
103) 2-chlorotoluene	7.946	126	44327	8.3631	ug/L		95
104) 4-chlorotoluene	8.032	91	137395	8.0339	ug/L		96
105) 1,3,5-trimethylbenzene	7.946	105	145638	8.2662	ug/L		99
106) tert-butylbenzene	8.119	119	120903	7.8209	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 1K23804.D
Acq On : 5 Sep 2025 11:58 pm
Operator : PrashanS
Sample : IC658-8
Misc : MS95614,V1K658,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 08 11:37:16 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 11:35:17 2025
Response via : Initial Calibration

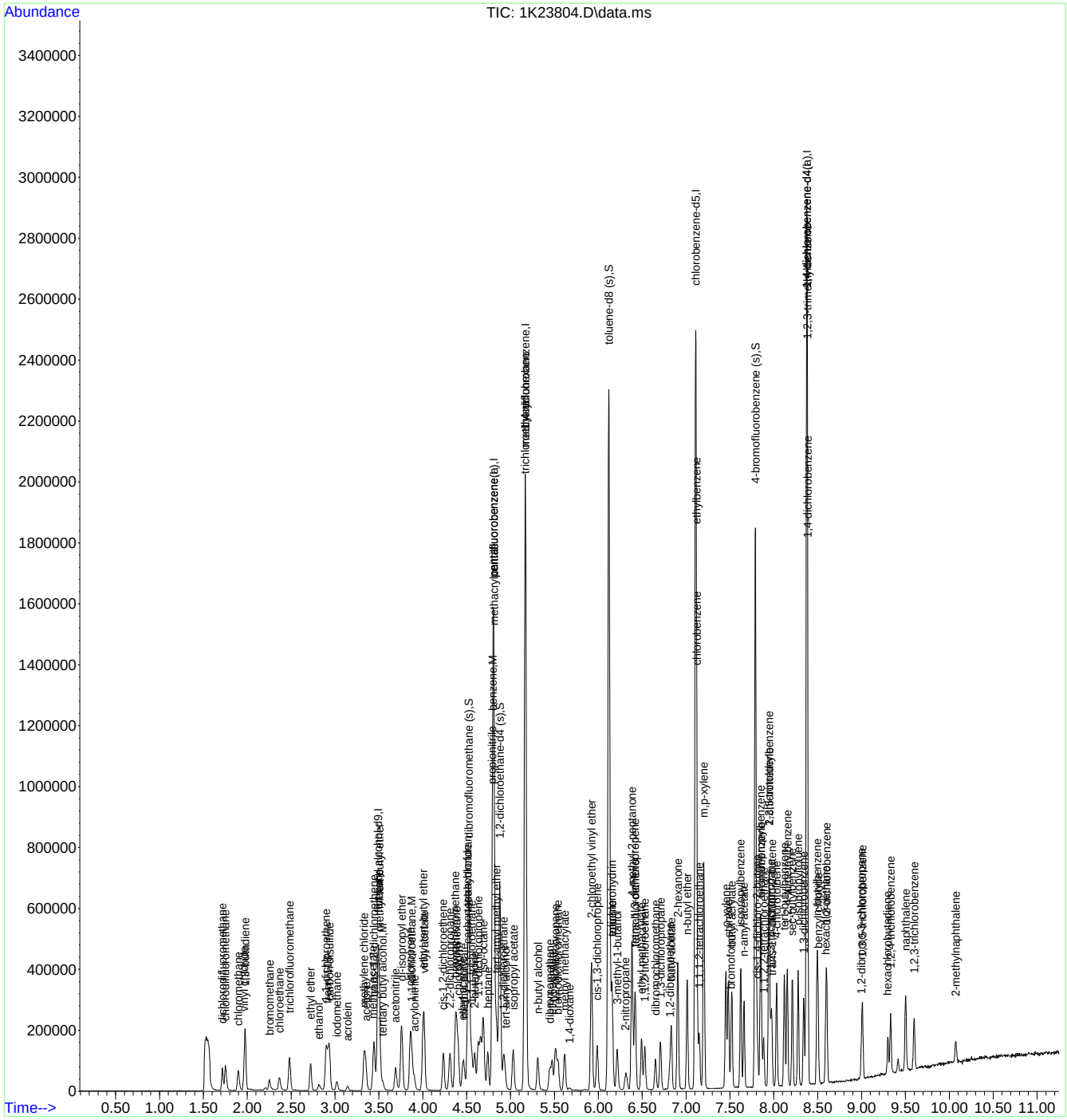
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
107) 1,2,4-trimethylbenzene	8.155	105	143596	7.7385	ug/L	100
108) sec-butylbenzene	8.209	105	162906	7.9980	ug/L	99
109) 1,3-dichlorobenzene	8.341	146	81795	7.9534	ug/L	99
110) p-isopropyltoluene	8.277	119	143218	8.0796	ug/L	98
111) 1,4-dichlorobenzene	8.386	146	83910	7.7617	ug/L	97
112) 1,2-dichlorobenzene	8.602	146	80180	8.2121	ug/L	97
113) 1,2,3-trimethylbenzene	8.383	105	152081	7.9607	ug/L	95
114) n-butylbenzene	8.492	92	74491	7.7707	ug/L	95
115) 1,2-dibromo-3-chloropr...	8.997	157	15706	7.8873	ug/L	97
116) 1,3,5-trichlorobenzene	9.010	180	46433	7.8718	ug/L	91
117) 1,2,4-trichlorobenzene	9.331	180	39688	7.5043	ug/L	98
118) hexachlorobutadiene	9.296	225	15008	8.1091	ug/L	89
119) naphthalene	9.502	128	137203	8.2029	ug/L	99
120) 1,2,3-trichlorobenzene	9.598	180	36257	7.9631	ug/L	90
121) hexachloroethane	8.592	119	24881	7.4899	ug/L	91
122) benzyl chloride	8.505	126	24728	7.9588	ug/L	95
123) 2-methylnaphthalene	10.071	142	26204	3.8499	ug/L	95

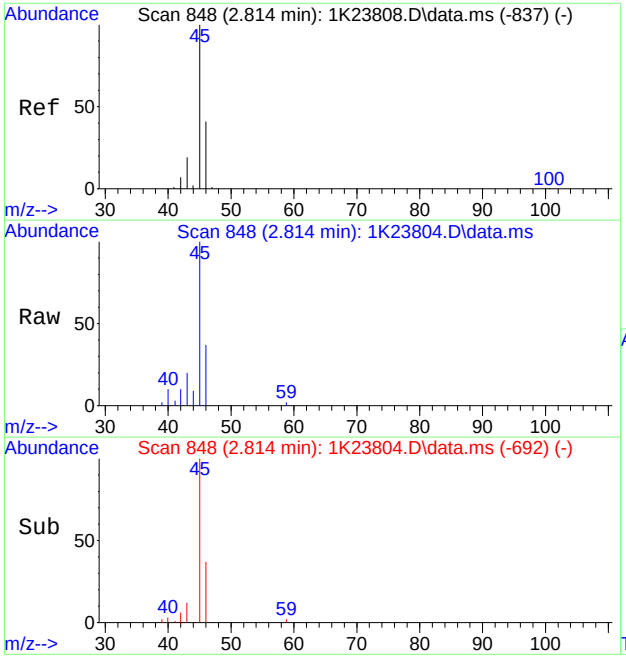
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 1K23804.D
Acq On : 5 Sep 2025 11:58 pm
Operator : PrashanS
Sample : IC658-8
Misc : MS95614,V1K658,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 08 11:37:16 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 11:35:17 2025
Response via : Initial Calibration

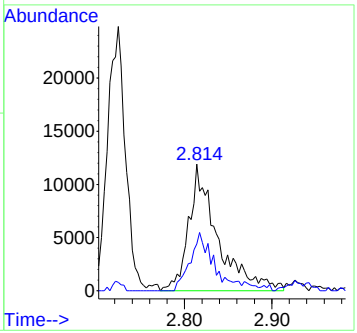


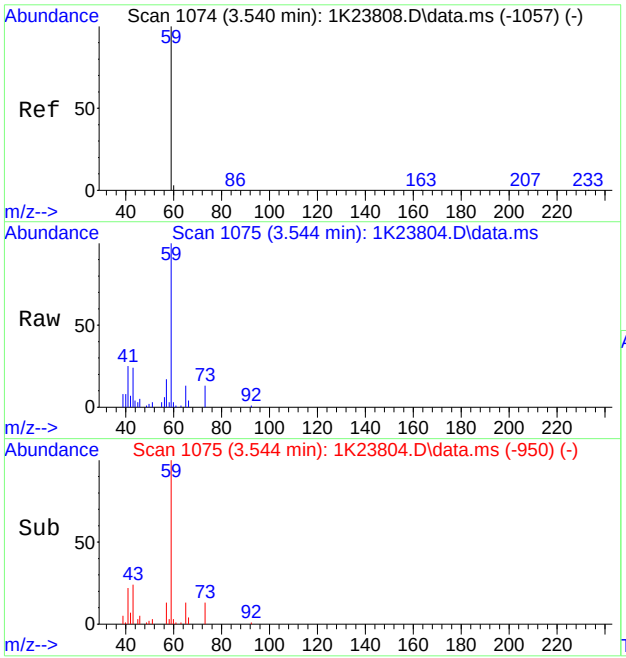


#2
ethanol
Concen: 889.03 ug/L
RT: 2.814 min Scan# 848
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 45 Resp: 27342

Ion	Ratio	Lower	Upper
45	100		
46	37.0	20.3	60.3

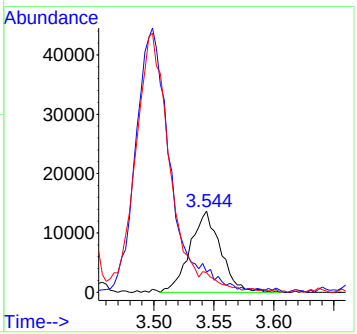


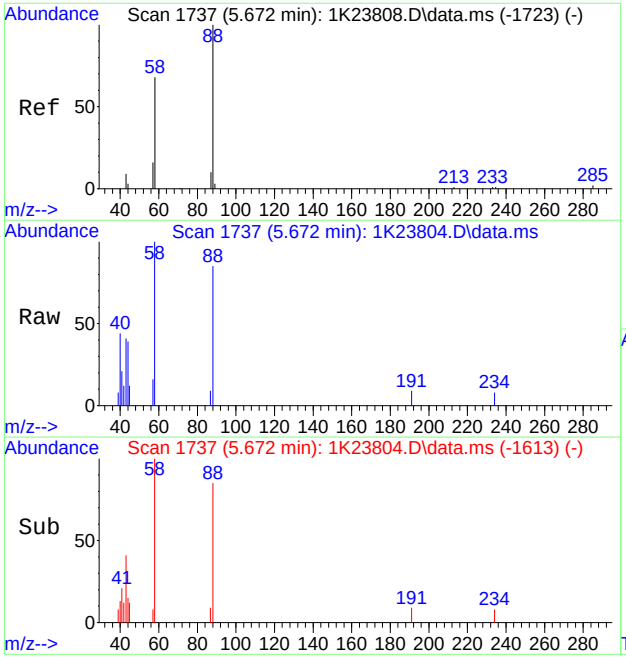


#3
tertiary butyl alcohol
Concen: 39.56 ug/L
RT: 3.544 min Scan# 1075
Delta R.T. 0.003 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 59 Resp: 24280

Ion	Ratio	Lower	Upper
59	100		
41	24.8	0.0	46.0
43	21.9	0.0	51.1

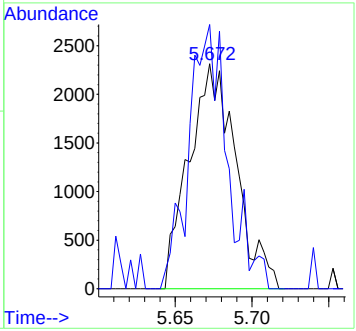


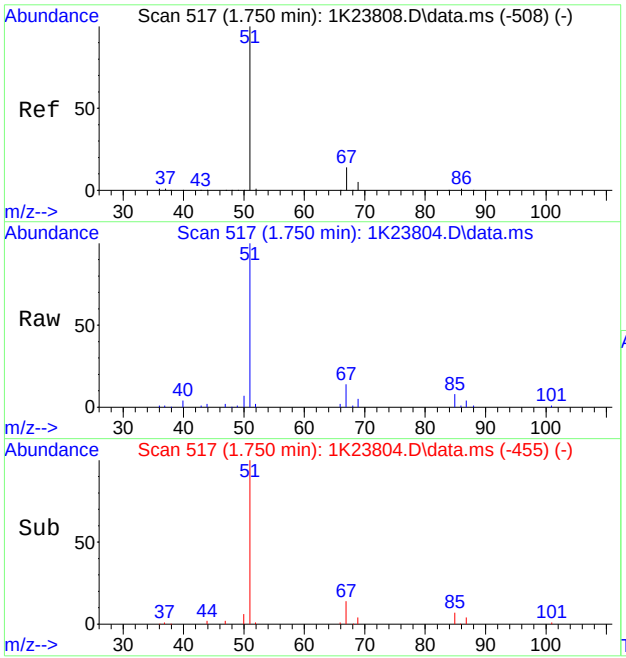


#4
1,4-dioxane
Concen: 221.52 ug/L
RT: 5.672 min Scan# 1737
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 88 Resp: 4918

Ion	Ratio	Lower	Upper
88	100		
58	117.5	53.2	93.2#

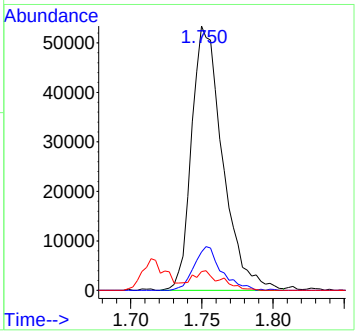


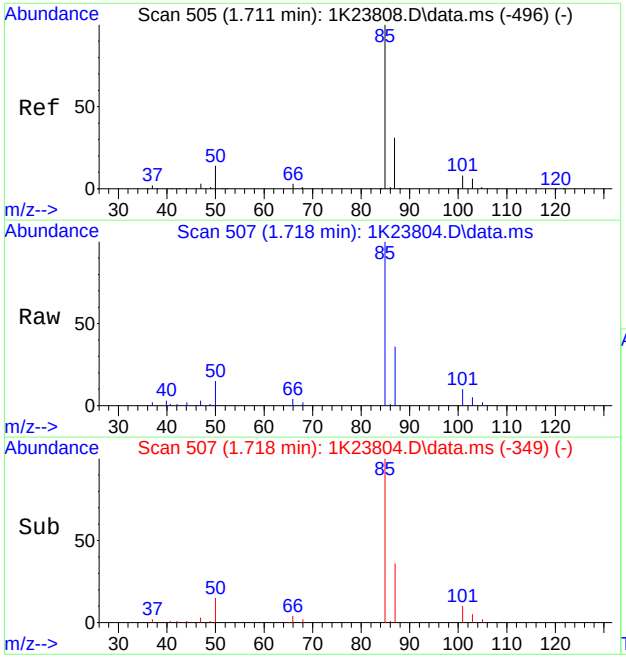


#6
chlorodifluoromethane
Concen: 7.83 ug/L
RT: 1.750 min Scan# 517
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 51 Resp: 80977

Ion	Ratio	Lower	Upper
51	100		
67	14.5	0.0	44.3
50	7.2	0.0	36.5

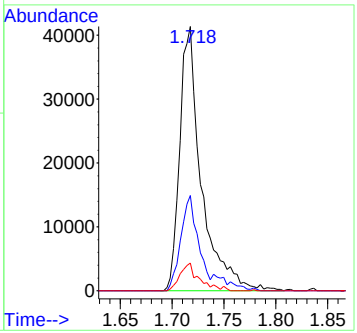


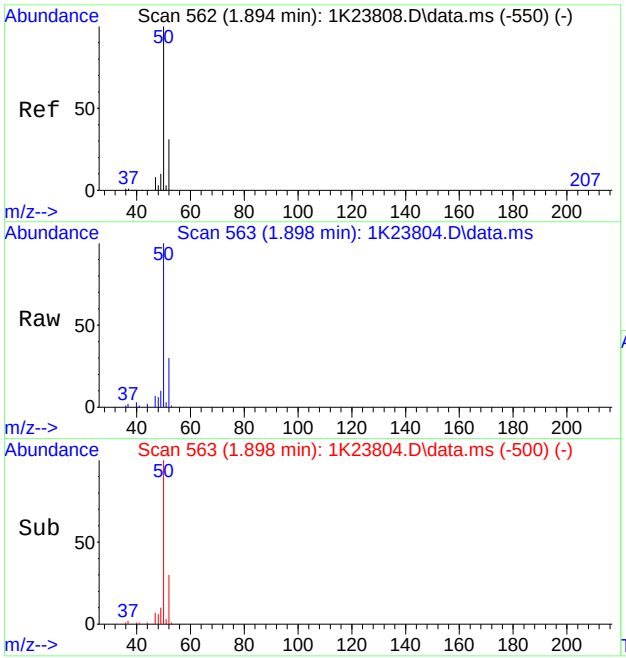


#7
dichlorodifluoromethane
Concen: 8.05 ug/L
RT: 1.718 min Scan# 507
Delta R.T. 0.007 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 85 Resp: 59719

Ion	Ratio	Lower	Upper
85	100		
87	36.1	0.7	60.7
101	10.5	0.0	38.3

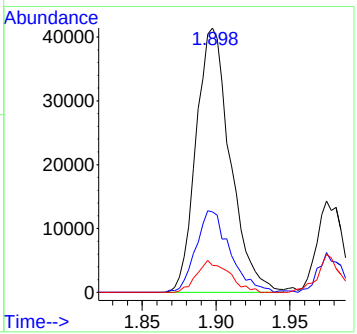


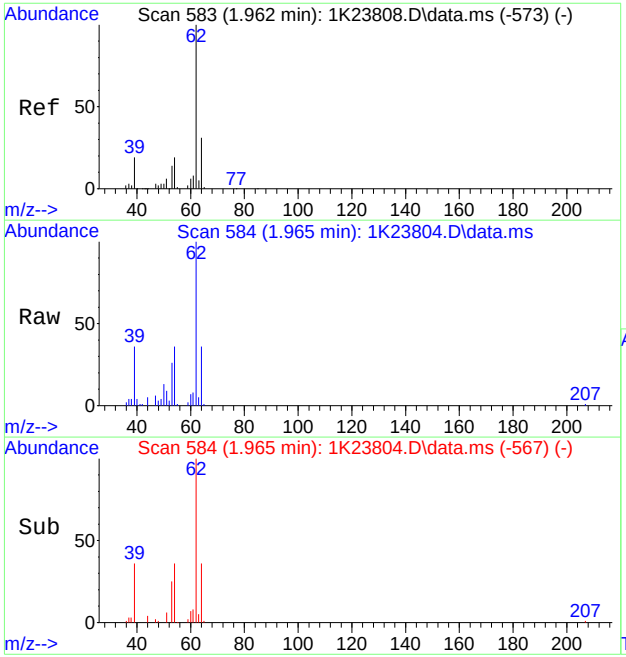


#8
chloromethane
Concen: 7.75 ug/L
RT: 1.898 min Scan# 563
Delta R.T. 0.003 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 50 Resp: 66621

Ion	Ratio	Lower	Upper
50	100		
52	30.4	1.4	61.4
49	10.2	0.0	40.1

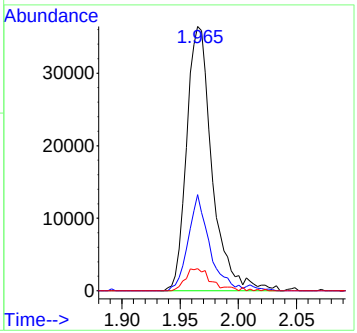


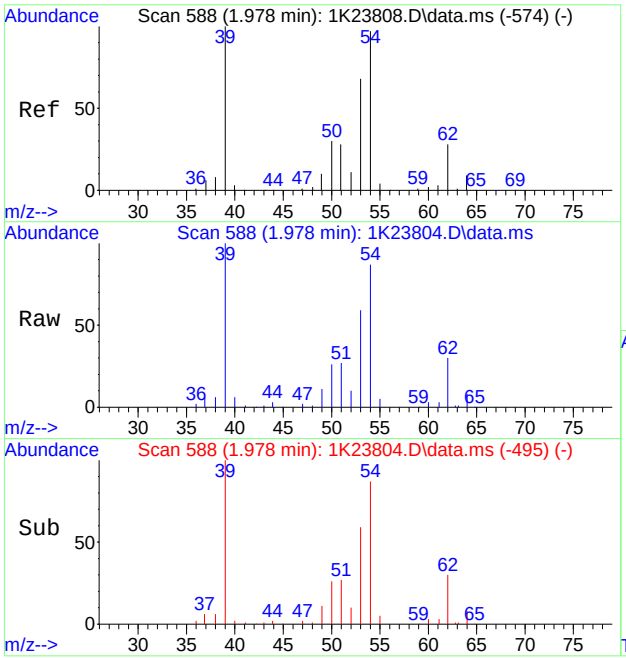


#9
vinyl chloride
Concen: 7.99 ug/L
RT: 1.965 min Scan# 584
Delta R.T. 0.003 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 62 Resp: 55565

Ion	Ratio	Lower	Upper
62	100		
64	36.4	0.6	60.6
61	8.4	0.0	38.4

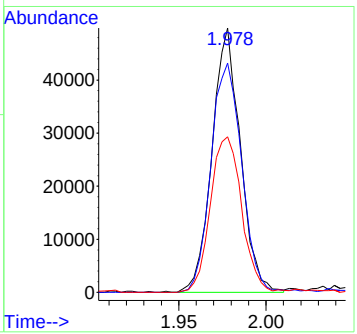


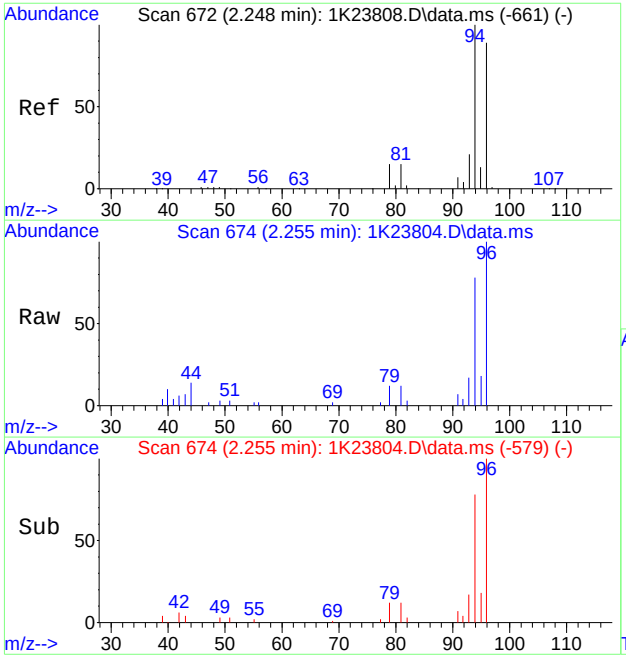


#10
1,3-butadiene
Concen: 7.63 ug/L
RT: 1.978 min Scan# 588
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 39 Resp: 56307

Ion	Ratio	Lower	Upper
39	100		
54	86.7	67.0	127.0
53	58.8	38.5	98.5

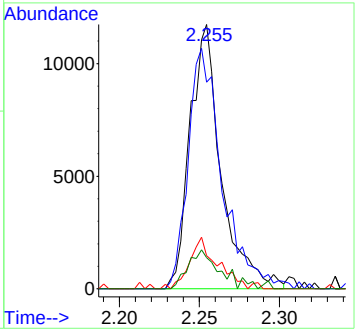


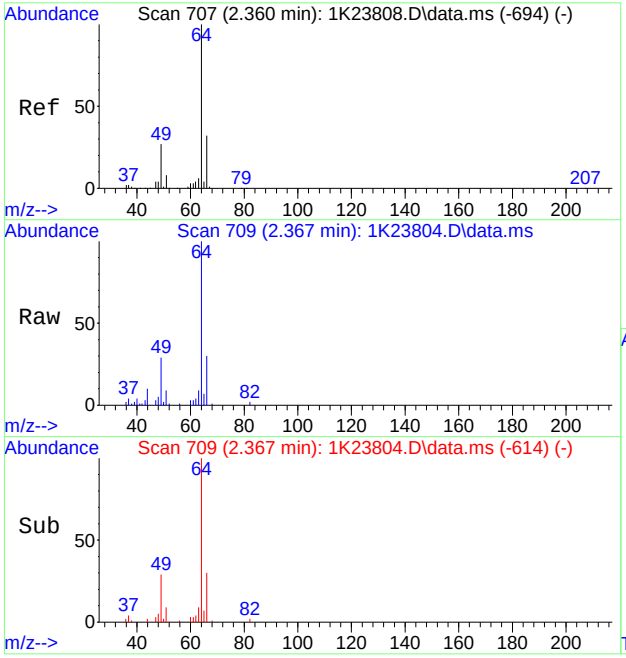


#11
bromomethane
Concen: 8.20 ug/L
RT: 2.255 min Scan# 674
Delta R.T. 0.007 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 96 Resp: 15981

Ion	Ratio	Lower	Upper
96	100		
94	78.1	82.9	142.9#
79	12.5	17.4	17.4#
81	11.8	0.0	36.4

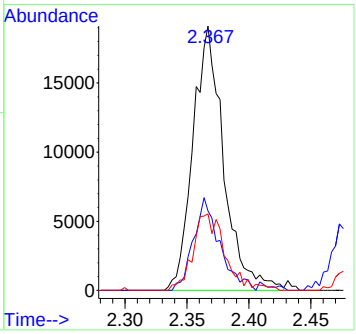


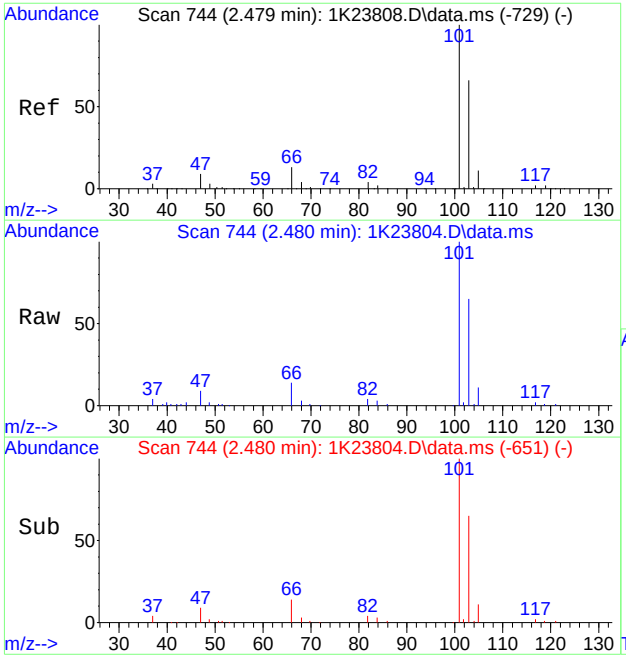


#12
chloroethane
Concen: 8.47 ug/L
RT: 2.367 min Scan# 709
Delta R.T. 0.007 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 64 Resp: 32886

Ion	Ratio	Lower	Upper
64	100		
66	30.0	1.6	61.6
49	29.0	0.0	57.3

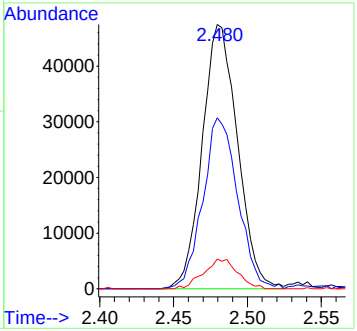


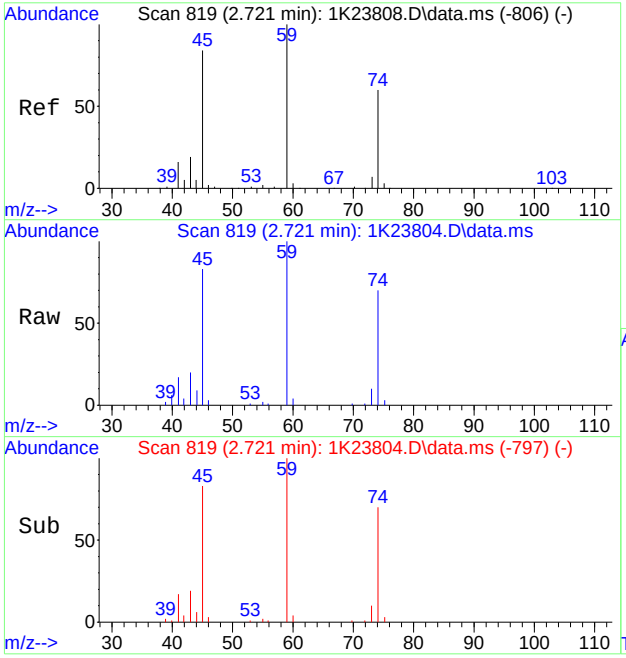


#13
trichlorofluoromethane
Concen: 8.07 ug/L
RT: 2.480 min Scan# 744
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion:101 Resp: 78742

Ion	Ratio	Lower	Upper
101	100		
103	64.6	35.9	95.9
105	11.2	0.0	40.9

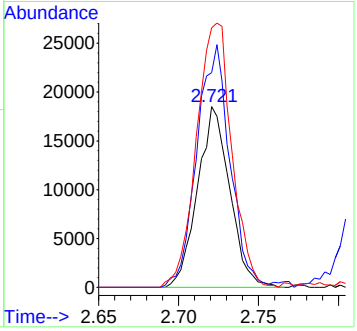


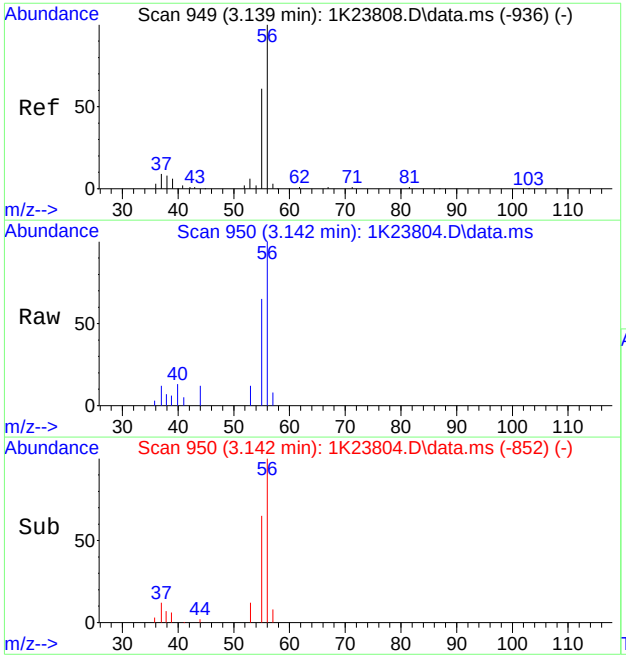


#14
ethyl ether
Concen: 8.09 ug/L
RT: 2.721 min Scan# 819
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 74 Resp: 25933

Ion	Ratio	Lower	Upper
74	100		
45	118.8	108.3	168.3
59	143.7	135.3	195.3

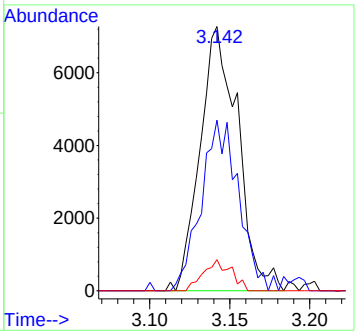


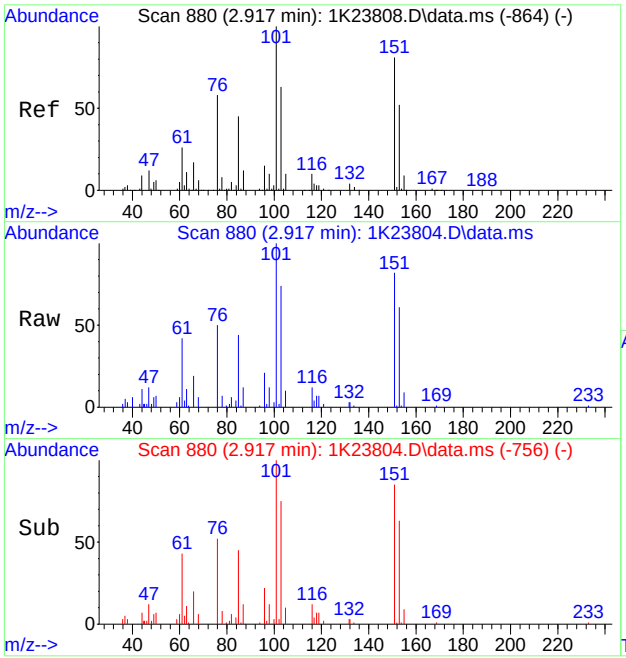


#15
acrolein
Concen: 7.83 ug/L
RT: 3.142 min Scan# 950
Delta R.T. 0.003 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 56 Resp: 11952

Ion	Ratio	Lower	Upper
56	100		
55	64.5	30.8	90.8
53	11.8	0.0	35.9

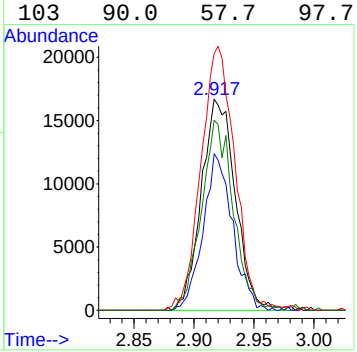


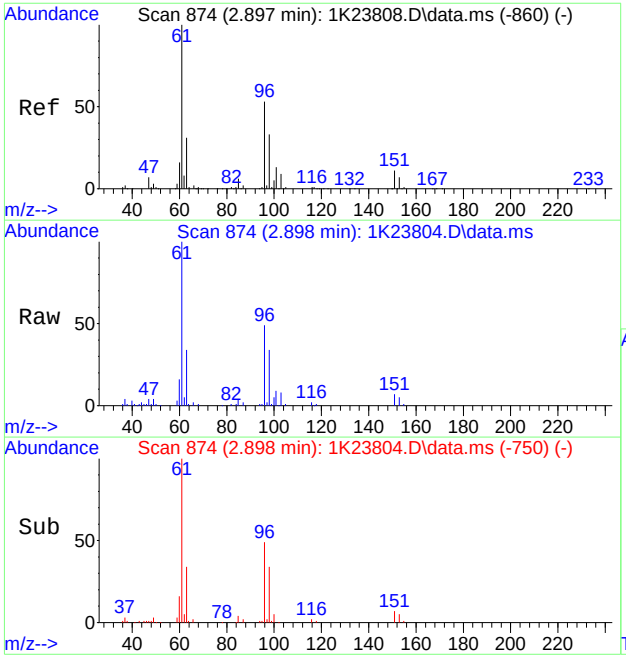


#16
freon 113
Concen: 8.10 ug/L
RT: 2.917 min Scan# 880
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion:151 Resp: 32894

Ion	Ratio	Lower	Upper
151	100		
153	74.1	44.4	84.4
101	121.6	102.8	142.8
103	90.0	57.7	97.7

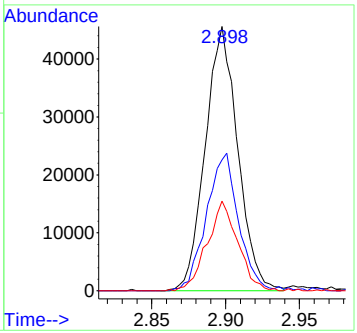


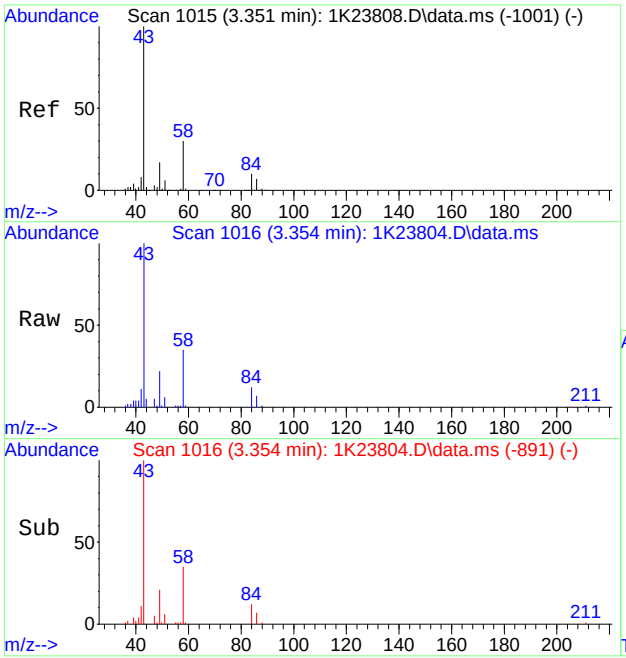


#17
1,1-dichloroethene
Concen: 7.53 ug/L
RT: 2.898 min Scan# 874
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 61 Resp: 69763

Ion	Ratio	Lower	Upper
61	100		
96	49.5	23.2	83.2
63	33.9	1.0	61.0

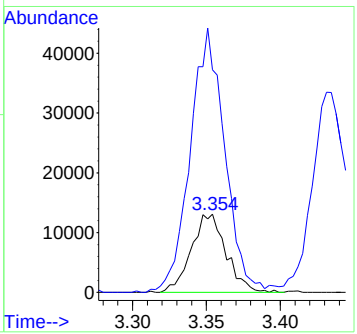


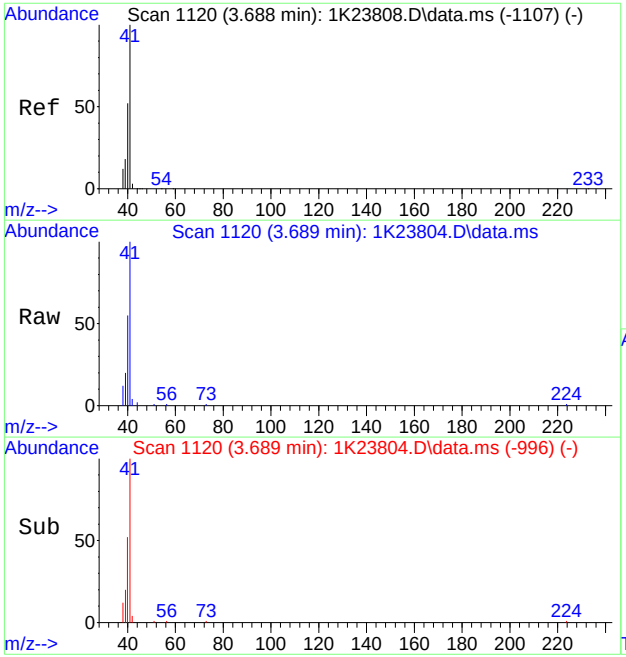


#18
acetone
Concen: 30.89 ug/L
RT: 3.354 min Scan# 1016
Delta R.T. 0.003 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 58 Resp: 21403

Ion	Ratio	Lower	Upper
58	100		
43	276.5	300.4	360.4#

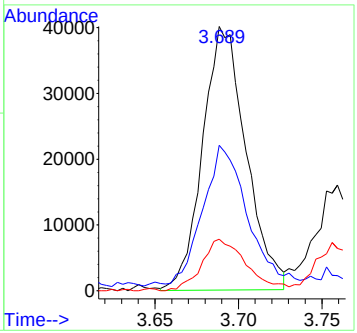


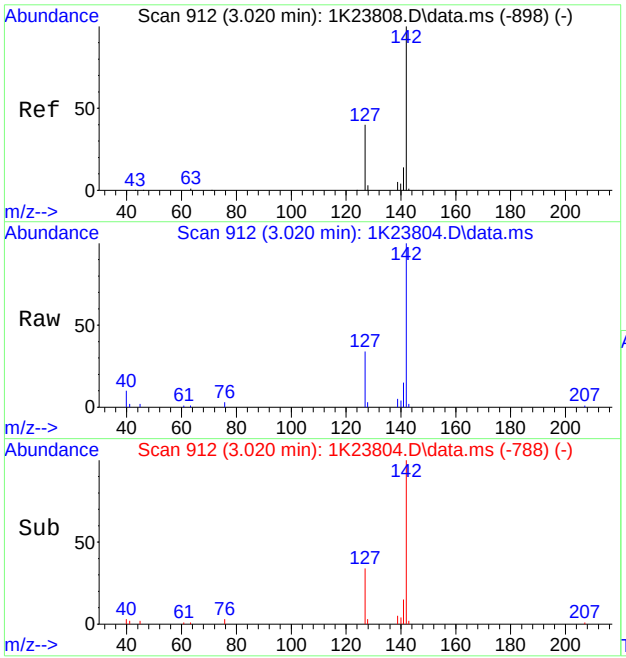


#19
acetonitrile
Concen: 82.11 ug/L
RT: 3.689 min Scan# 1120
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 41 Resp: 72575

Ion	Ratio	Lower	Upper
41	100		
40	52.8	21.7	81.7
39	19.7	0.0	47.9

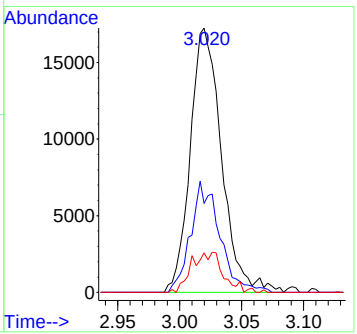


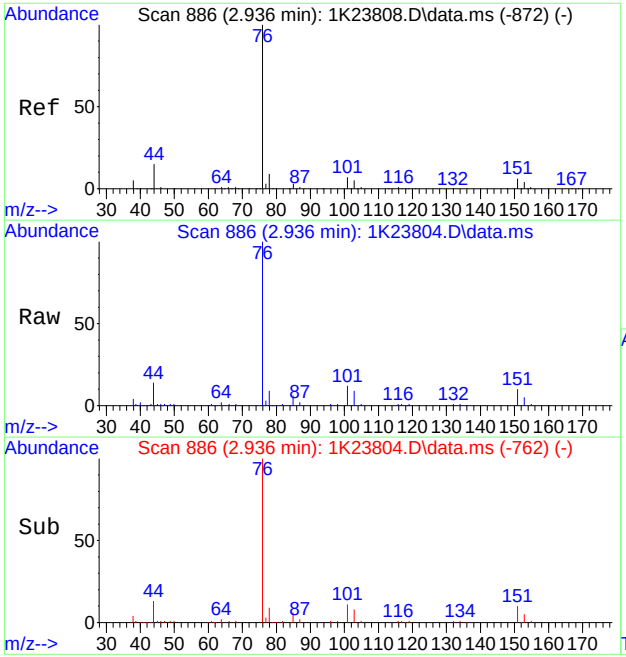


#20
iodomethane
Concen: 7.96 ug/L
RT: 3.020 min Scan# 912
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion:142 Resp: 30315

Ion	Ratio	Lower	Upper
142	100		
127	33.6	9.9	69.9
141	14.9	0.0	44.3

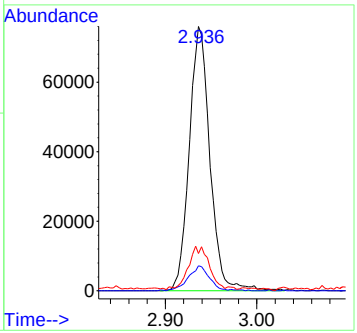


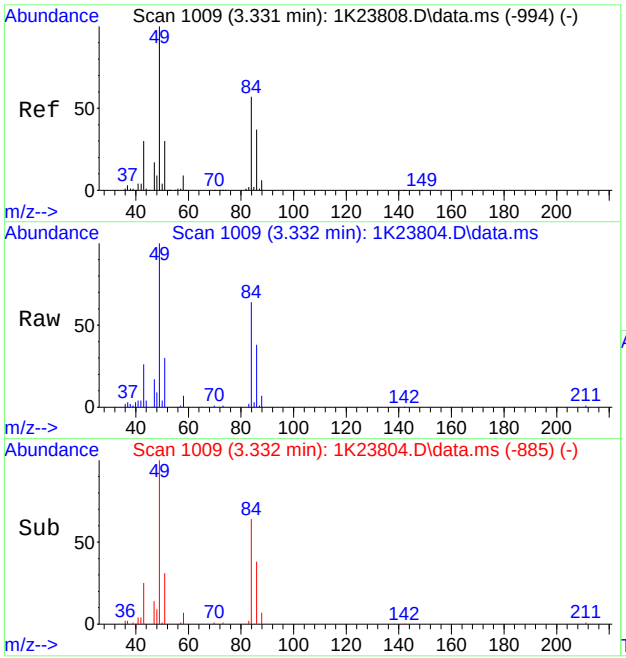


#21
carbon disulfide
Concen: 7.98 ug/L
RT: 2.936 min Scan# 886
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 76 Resp: 119545

Ion	Ratio	Lower	Upper
76	100		
78	9.1	0.0	39.5
44	13.3	0.0	44.8

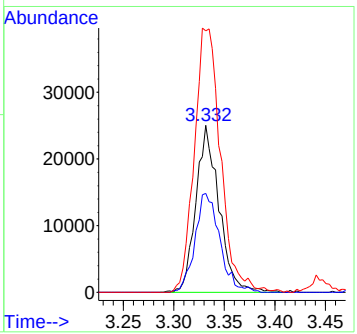


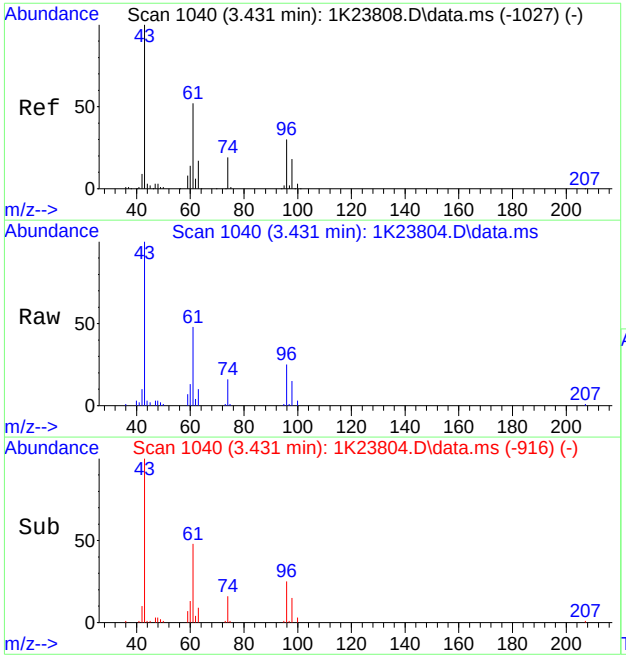


#22
methylene chloride
Concen: 7.70 ug/L
RT: 3.332 min Scan# 1009
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 84 Resp: 39910

Ion	Ratio	Lower	Upper
84	100		
86	59.2	35.3	95.3
49	156.4	144.8	204.8

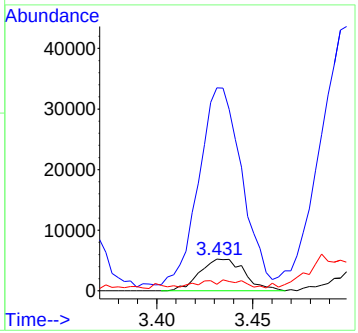


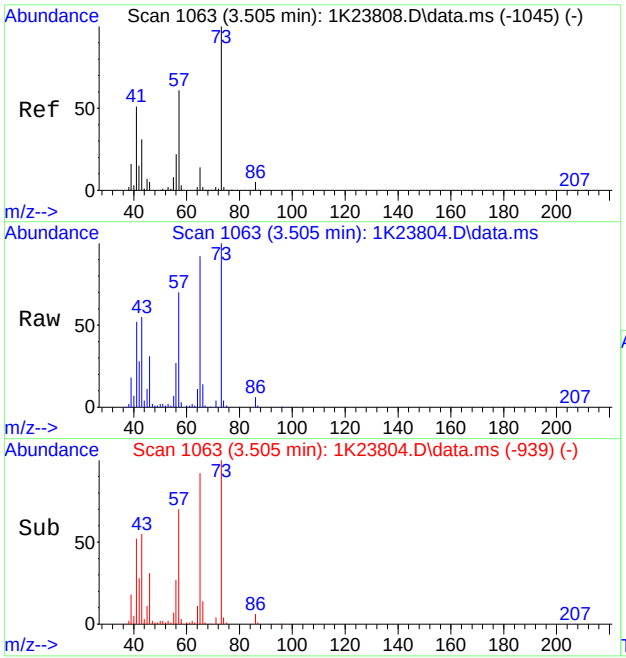


#23
methyl acetate
Concen: 7.21 ug/L
RT: 3.431 min Scan# 1040
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 74 Resp: 8519

Ion	Ratio	Lower	Upper
74	100		
43	621.9	491.2	551.2#
44	3.6	0.0	44.3

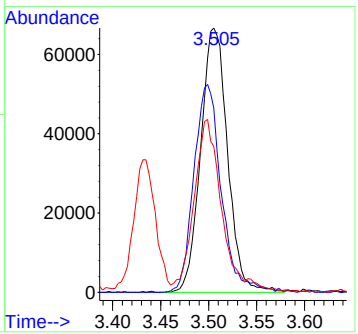


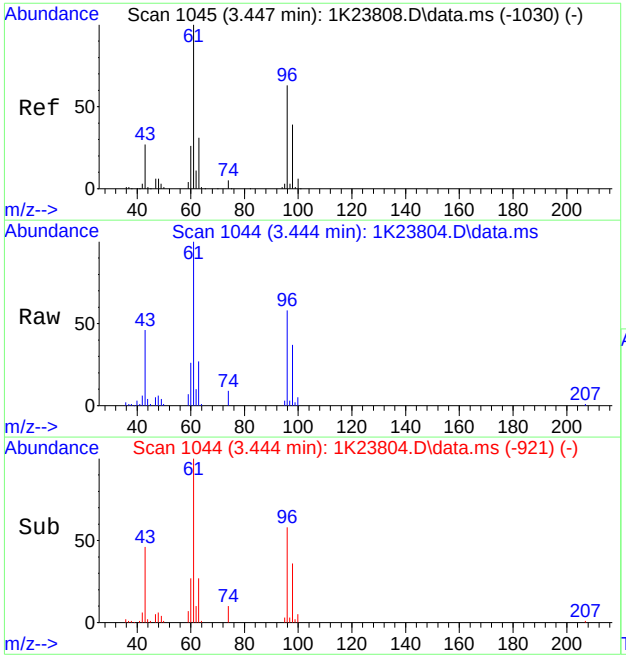


#24
methyl tert butyl ether
Concen: 7.67 ug/L
RT: 3.505 min Scan# 1063
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 73 Resp: 130413

Ion	Ratio	Lower	Upper
73	100		
57	69.7	30.7	90.7
43	54.4	18.2	78.2

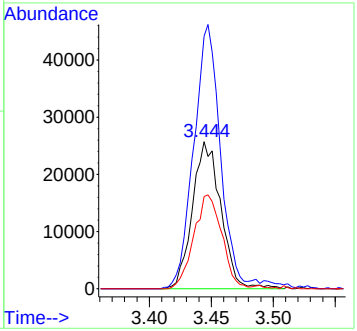


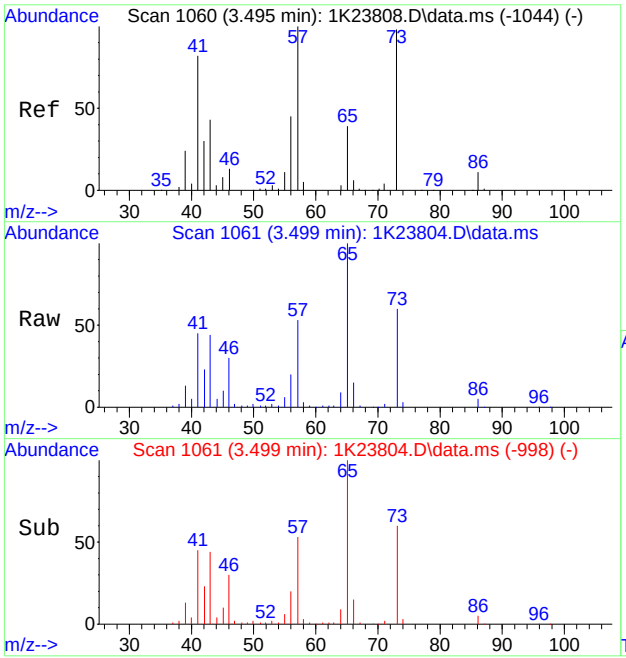


#25
trans-1,2-dichloroethene
Concen: 7.50 ug/L
RT: 3.444 min Scan# 1044
Delta R.T. -0.003 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 96 Resp: 41123

Ion	Ratio	Lower	Upper
96	100		
61	171.8	128.8	188.8
98	62.7	32.4	92.4

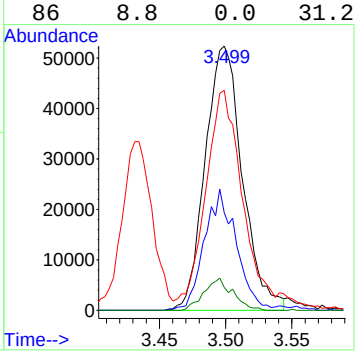


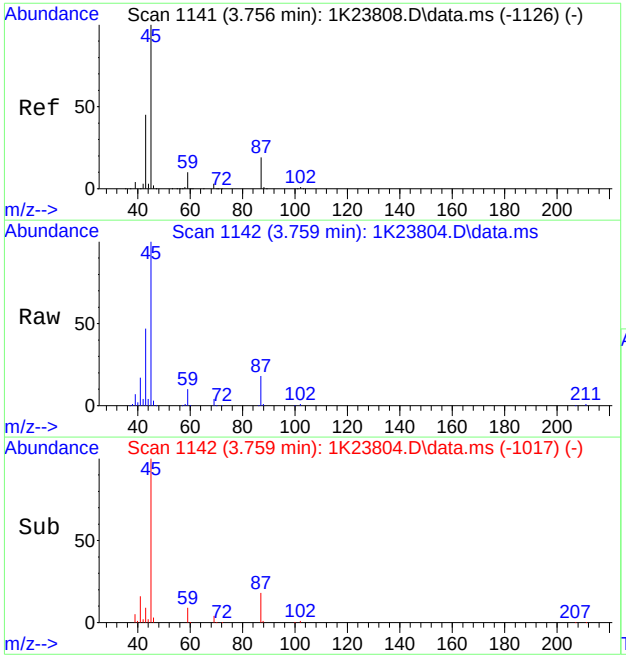


#26
hexane
Concen: 7.45 ug/L
RT: 3.499 min Scan# 1061
Delta R.T. 0.003 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 57 Resp: 102481

Ion	Ratio	Lower	Upper
57	100		
56	36.9	24.9	64.9
43	76.9	50.9	90.9
86	8.8	0.0	31.2

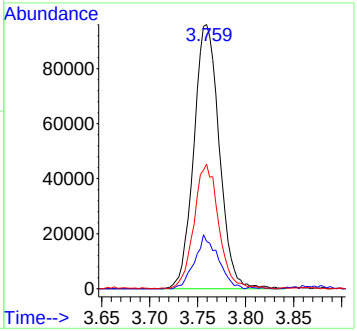


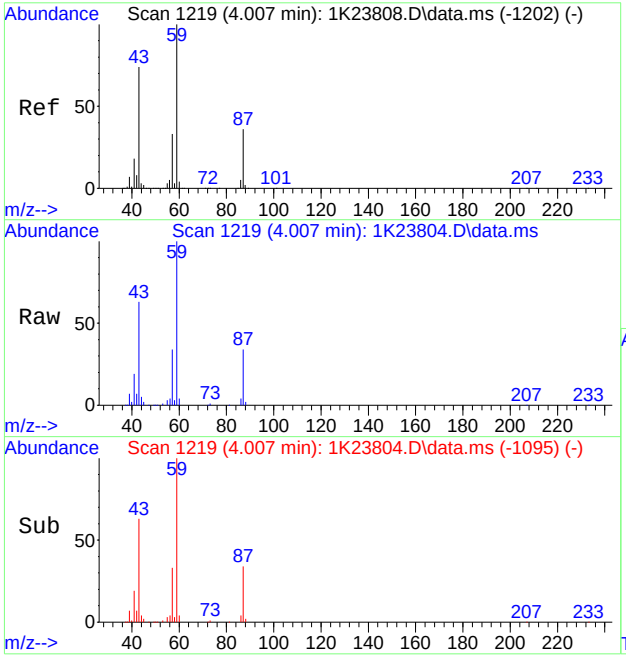


#27
di-isopropyl ether
Concen: 7.75 ug/L
RT: 3.759 min Scan# 1142
Delta R.T. 0.003 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 45 Resp: 177568

Ion	Ratio	Lower	Upper
45	100		
87	18.0	0.0	48.8
43	47.0	14.9	74.9

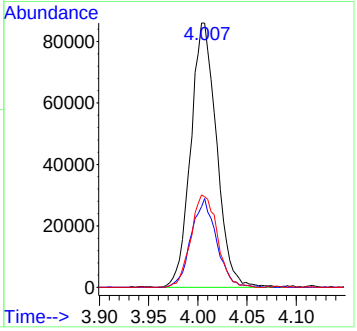


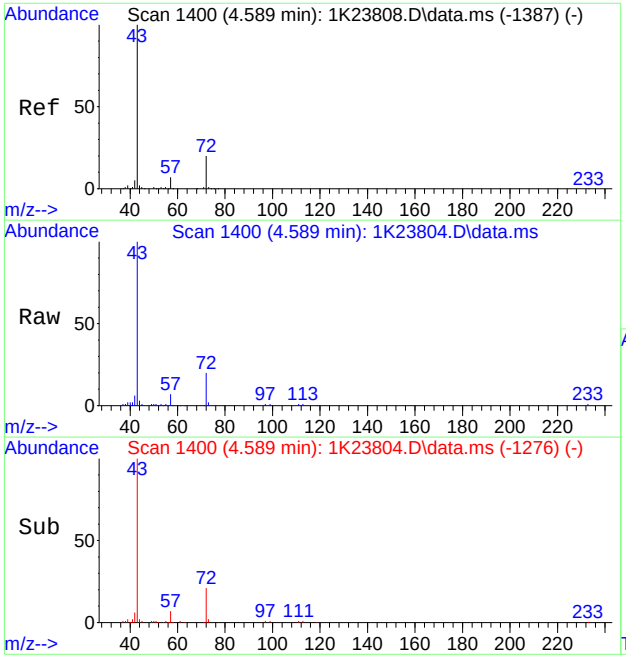


#28
ethyl tert-butyl ether
Concen: 7.76 ug/L
RT: 4.007 min Scan# 1219
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 59 Resp: 157051

Ion	Ratio	Lower	Upper
59	100		
57	33.7	2.6	62.6
87	34.3	5.8	65.8

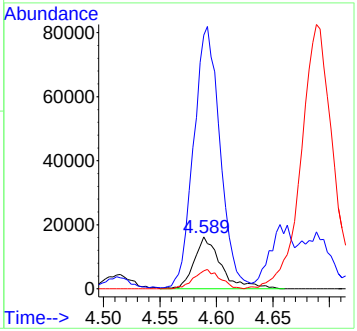


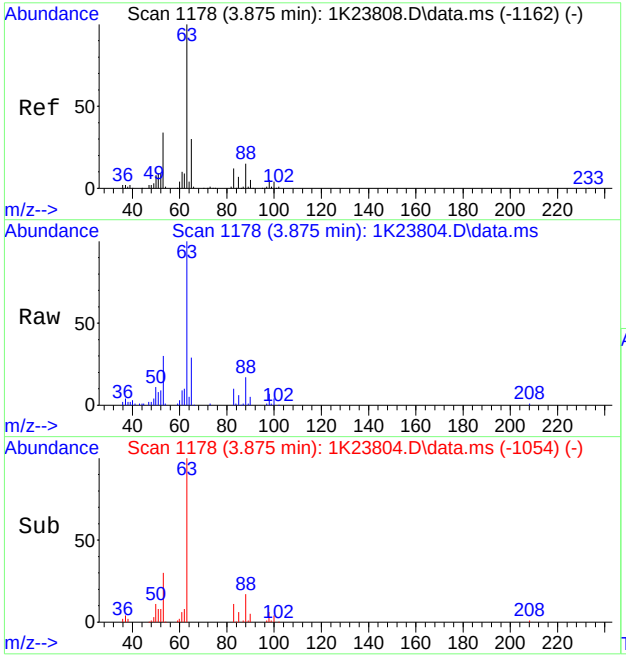


#29
2-butanone
Concen: 30.88 ug/L
RT: 4.589 min Scan# 1400
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 72 Resp: 26743

Ion	Ratio	Lower	Upper
72	100		
43	487.0	475.4	535.4
57	34.8	5.7	65.7

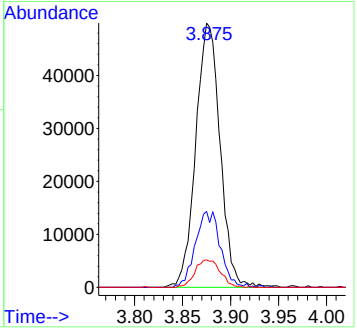


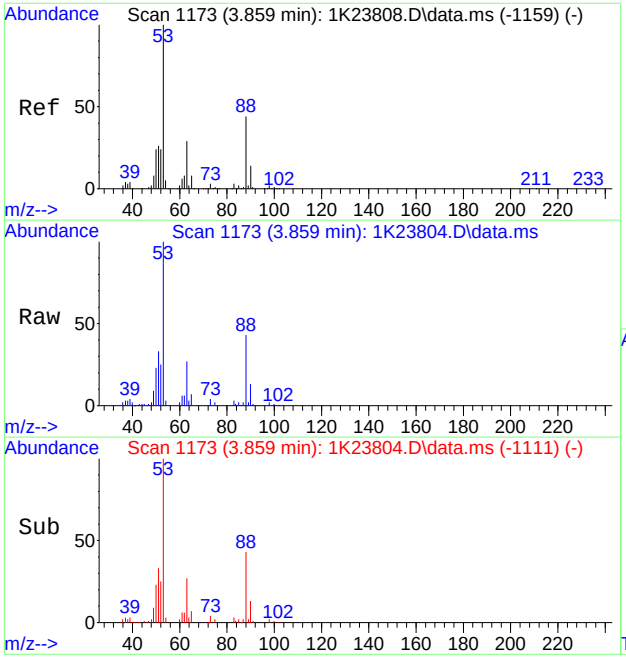


#30
1,1-dichloroethane
Concen: 8.26 ug/L
RT: 3.875 min Scan# 1178
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 63 Resp: 88101

Ion	Ratio	Lower	Upper
63	100		
65	28.7	0.2	60.2
83	10.4	0.0	42.0

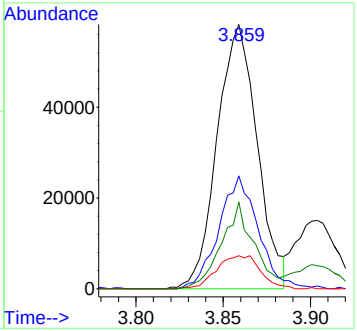


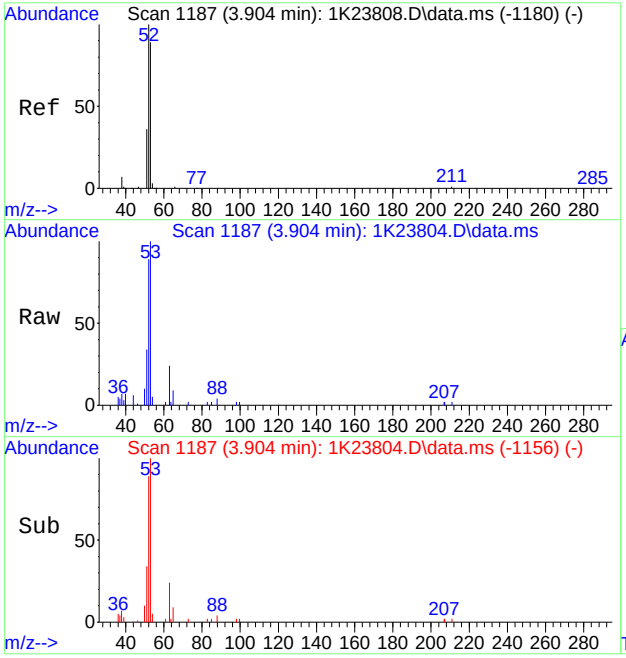


#31
chloroprene
Concen: 7.89 ug/L
RT: 3.859 min Scan# 1173
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 53 Resp: 93132

Ion	Ratio	Lower	Upper
53	100		
88	42.7	13.8	73.8
90	12.5	0.0	44.2
51	32.8	0.0	56.1

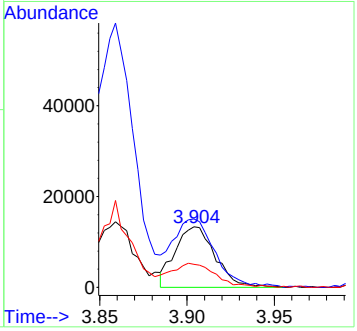


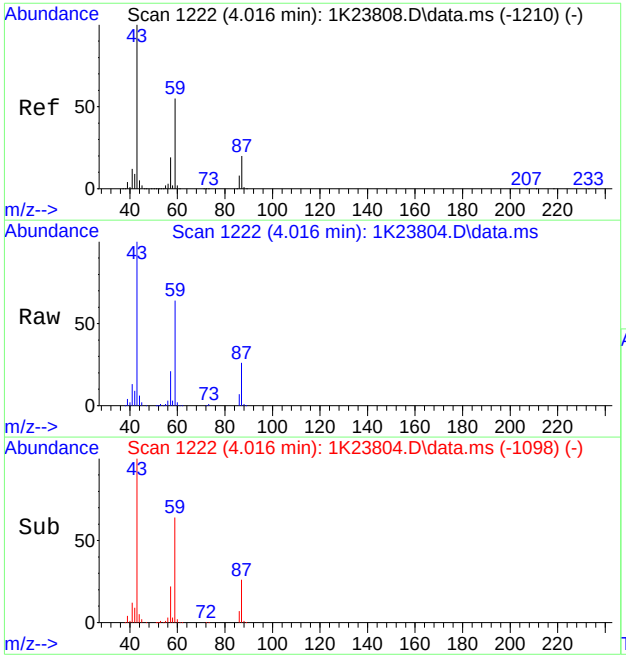


#32
acrylonitrile
Concen: 8.08 ug/L
RT: 3.904 min Scan# 1187
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 52 Resp: 21342

Ion	Ratio	Lower	Upper
52	100		
53	112.7	99.5	159.5
51	35.8	13.8	73.8

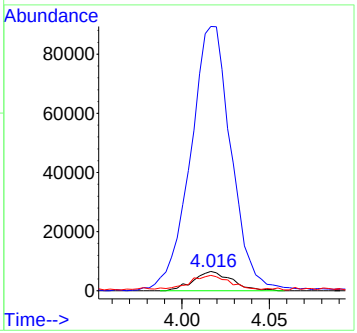


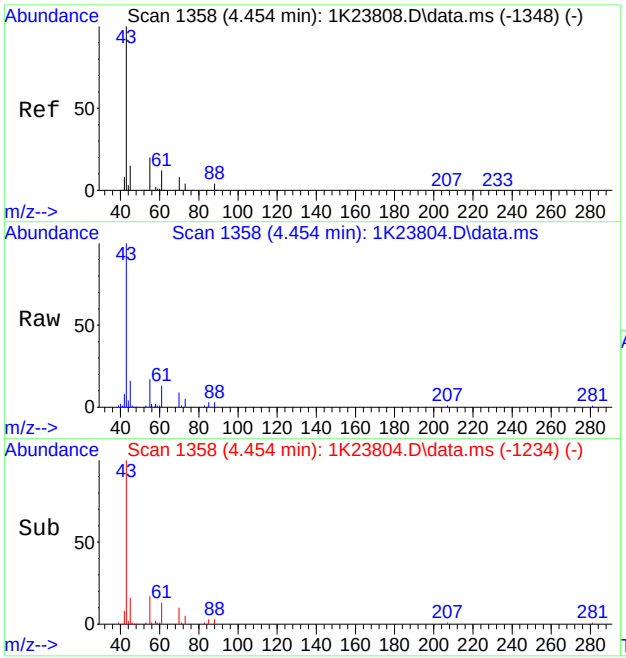


#33
vinyl acetate
Concen: 7.73 ug/L
RT: 4.016 min Scan# 1222
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 86 Resp: 10125

Ion	Ratio	Lower	Upper
86	100		
43	1345.8	1252.8	1312.8#
44	74.0	39.9	99.9

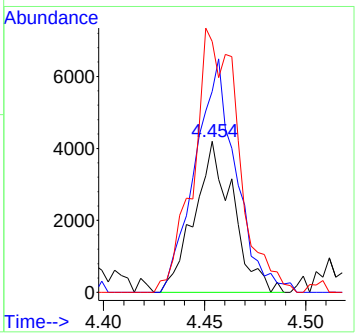


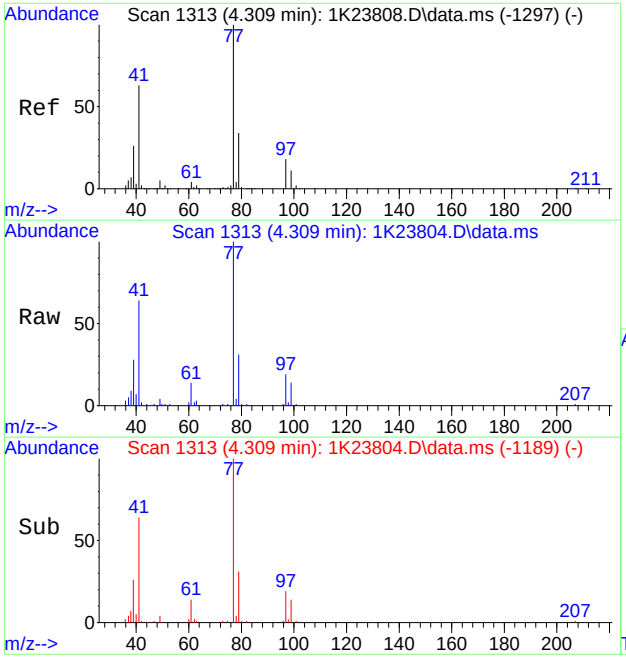


#34
ethyl acetate
Concen: 7.41 ug/L
RT: 4.454 min Scan# 1358
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 70 Resp: 5598

Ion	Ratio	Lower	Upper
70	100		
61	132.9	124.4	184.4
45	160.6	156.4	216.4

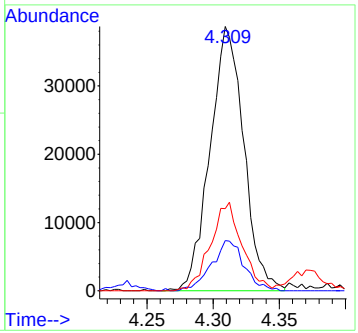


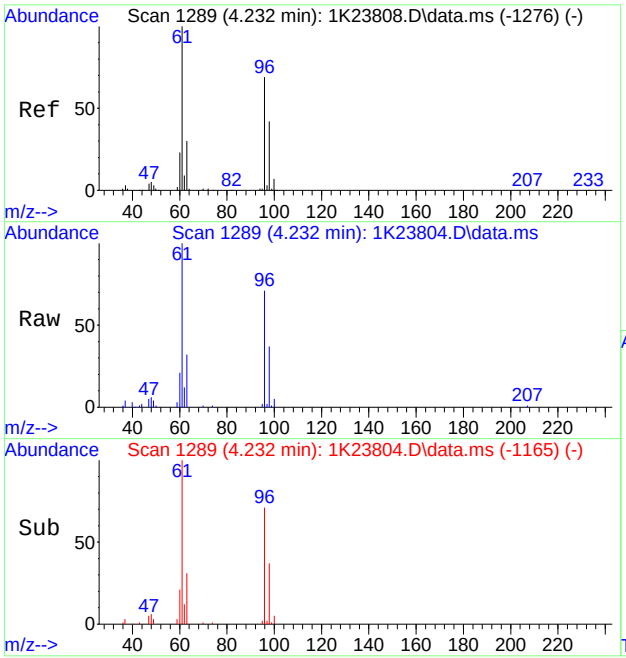


#35
2,2-dichloropropane
Concen: 7.47 ug/L
RT: 4.309 min Scan# 1313
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 77 Resp: 68567

Ion	Ratio	Lower	Upper
77	100		
97	18.9	0.0	47.6
79	31.1	3.7	63.7

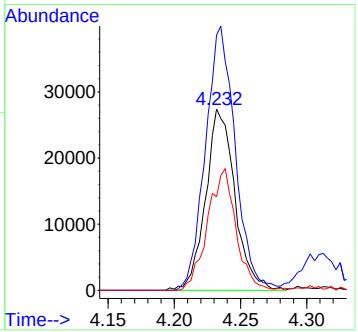


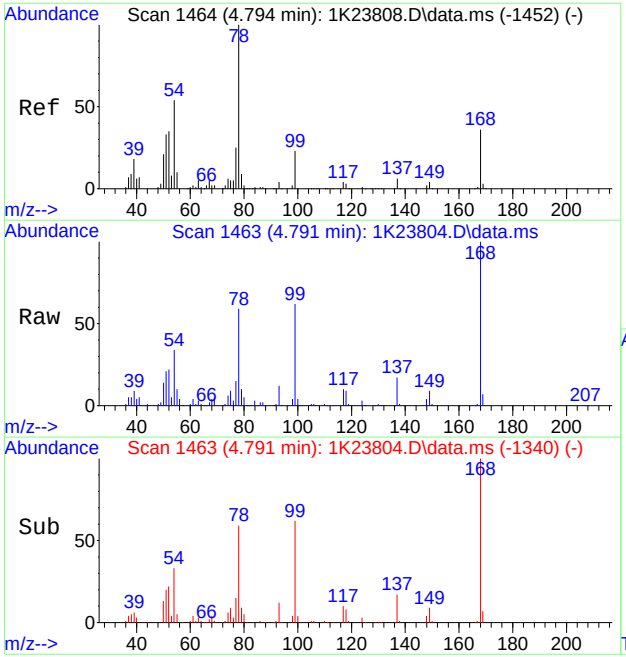


#36
cis-1,2-dichloroethene
Concen: 7.58 ug/L
RT: 4.232 min Scan# 1289
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 96 Resp: 42121

Ion	Ratio	Lower	Upper
96	100		
61	140.8	114.3	174.3
98	51.6	30.5	90.5

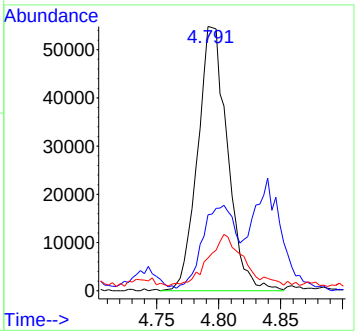


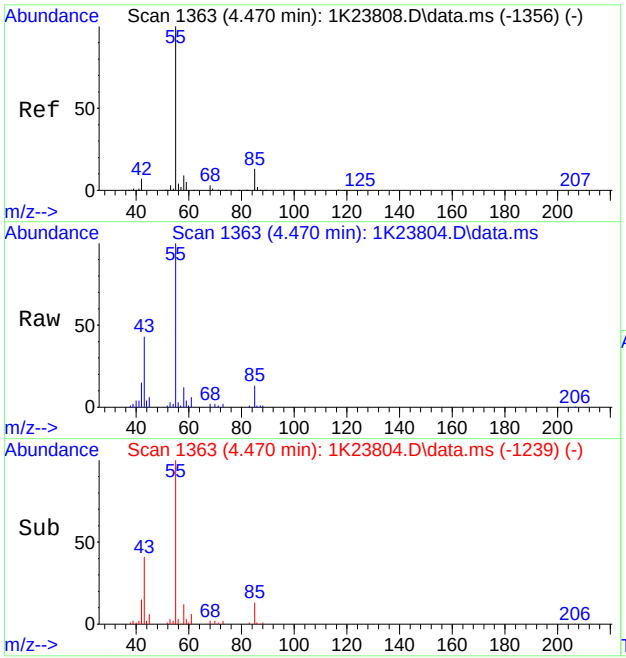


#37
propionitrile
Concen: 79.26 ug/L
RT: 4.791 min Scan# 1463
Delta R.T. -0.003 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 54 Resp: 91879

Ion	Ratio	Lower	Upper
54	100		
55	24.3	0.0	50.4
40	10.3	0.0	41.8

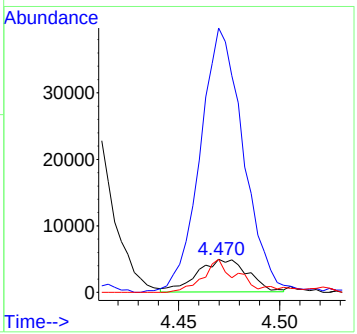


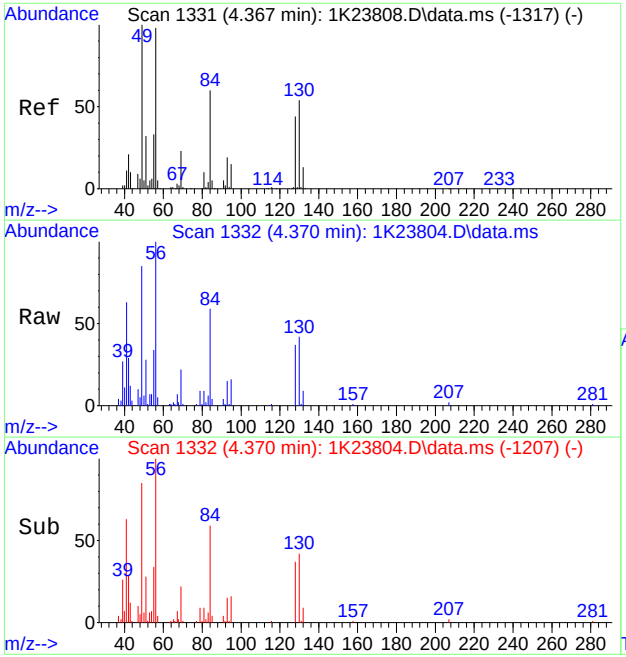


#38
methyl acrylate
Concen: 8.64 ug/L
RT: 4.470 min Scan# 1363
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 85 Resp: 8508

Ion	Ratio	Lower	Upper
85	100		
55	847.2	717.8	757.8#
58	107.3	42.6	82.6#

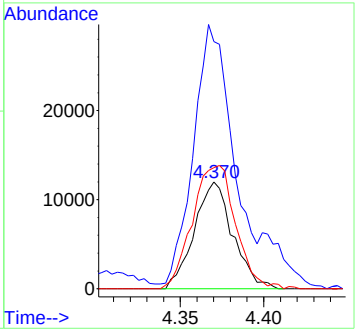


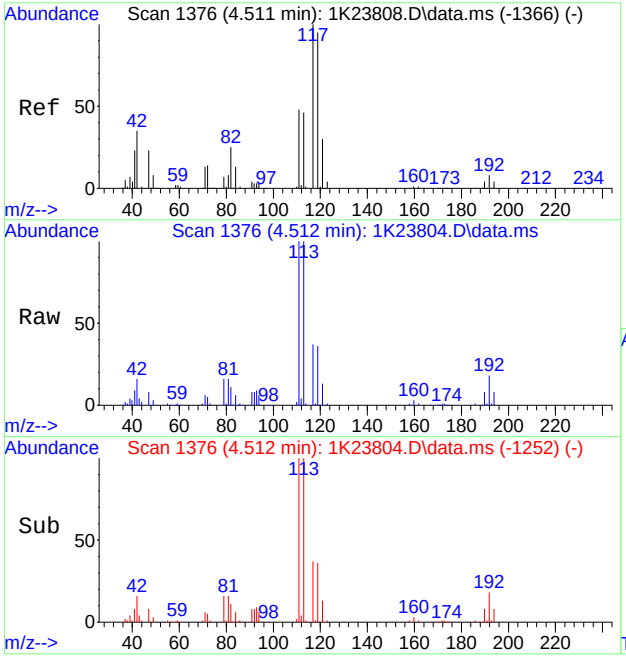


#39
bromochloromethane
Concen: 7.53 ug/L
RT: 4.370 min Scan# 1332
Delta R.T. 0.003 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion:128 Resp: 19286

Ion	Ratio	Lower	Upper
128	100		
49	226.9	195.5	255.5
130	113.5	92.1	152.1

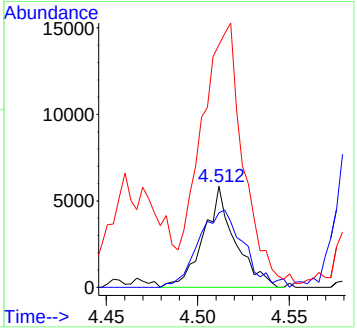


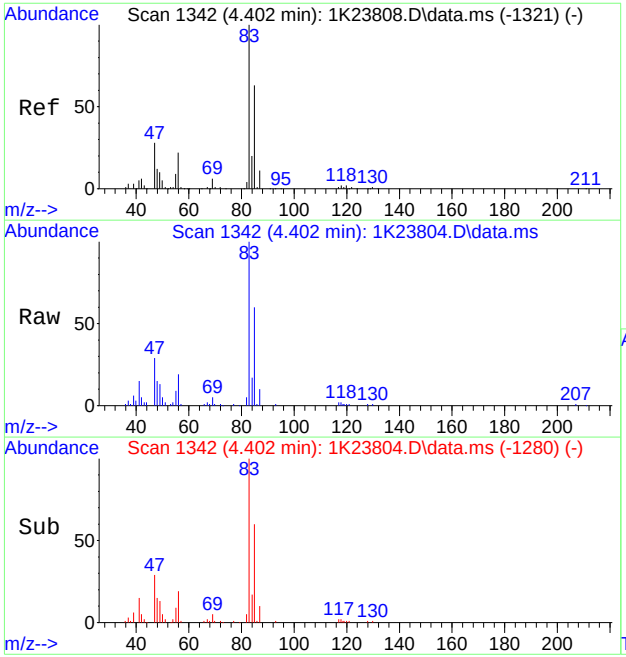


#40
tetrahydrofuran
Concen: 7.27 ug/L
RT: 4.512 min Scan# 1376
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 71 Resp: 7031

Ion	Ratio	Lower	Upper
71	100		
72	73.7	76.4	136.4#
42	231.4	297.7	357.7#

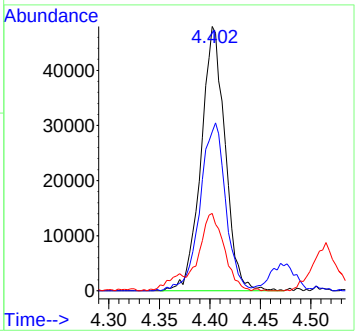


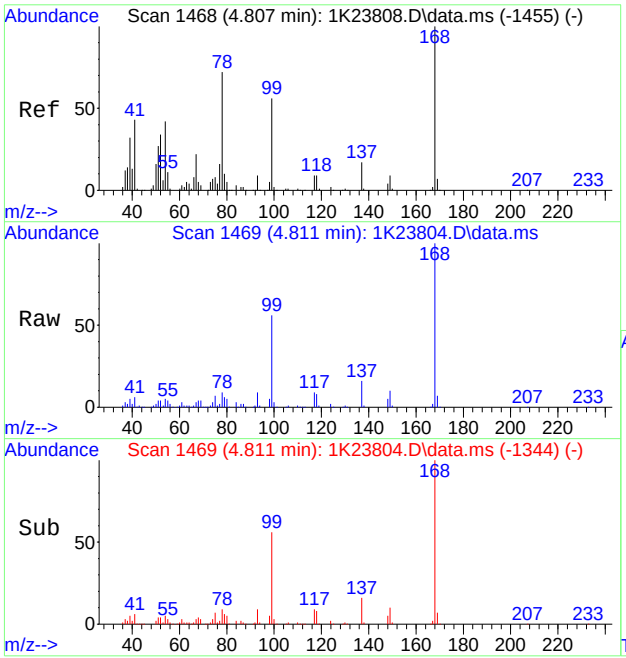


#41
chloroform
Concen: 7.42 ug/L
RT: 4.402 min Scan# 1342
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 83 Resp: 79615

Ion	Ratio	Lower	Upper
83	100		
85	60.1	33.4	93.4
47	29.2	0.0	58.3

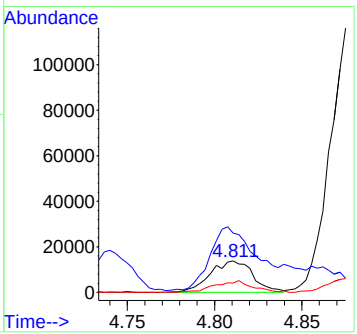


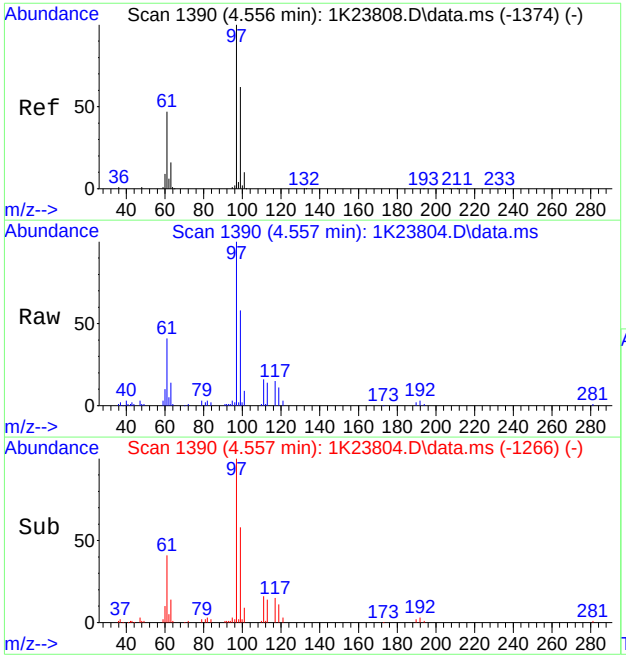


#43
methacrylonitrile
Concen: 7.00 ug/L
RT: 4.811 min Scan# 1469
Delta R.T. 0.003 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 67 Resp: 23685

Ion	Ratio	Lower	Upper
67	100		
41	178.9	161.1	221.1
66	29.6	3.7	63.7

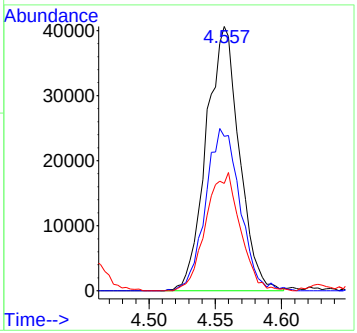


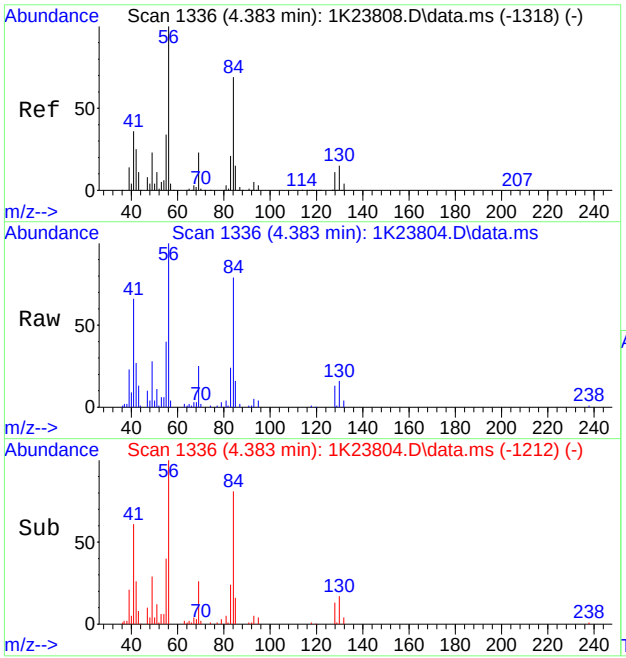


#44
1,1,1-trichloroethane
Concen: 7.93 ug/L
RT: 4.557 min Scan# 1390
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 97 Resp: 70512

Ion	Ratio	Lower	Upper
97	100		
99	58.4	32.1	92.1
61	40.6	16.3	76.3

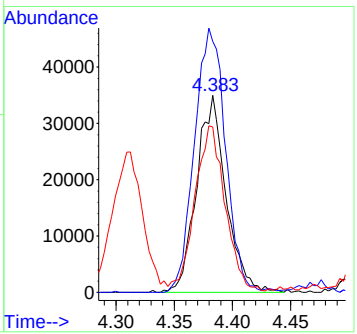


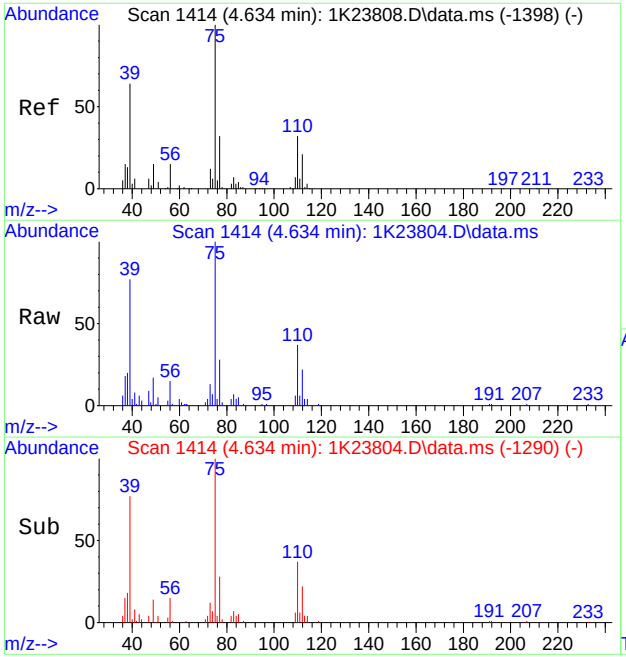


#45
cyclohexane
Concen: 8.19 ug/L
RT: 4.383 min Scan# 1336
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 84 Resp: 61795

Ion	Ratio	Lower	Upper
84	100		
56	127.3	124.1	164.1
41	82.3	58.3	98.3

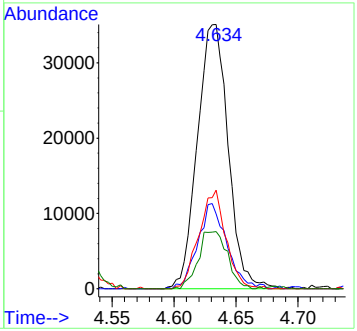


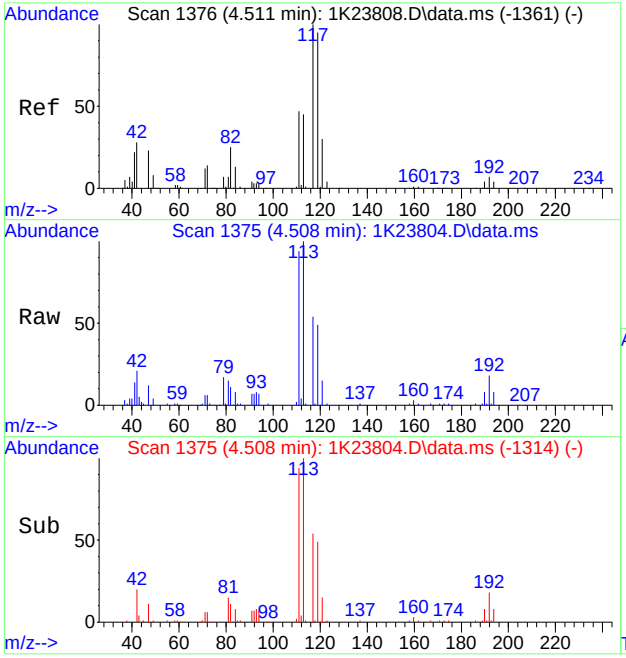


#46
1,1-dichloropropene
Concen: 7.91 ug/L
RT: 4.634 min Scan# 1414
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 75 Resp: 60708

Ion	Ratio	Lower	Upper
75	100		
77	28.3	12.0	52.0
110	37.3	12.3	52.3
112	21.7	0.8	40.8

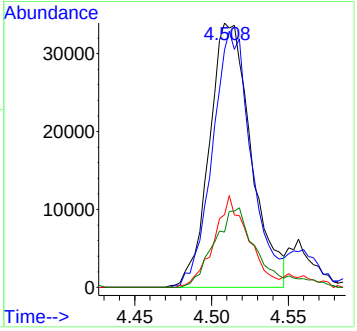


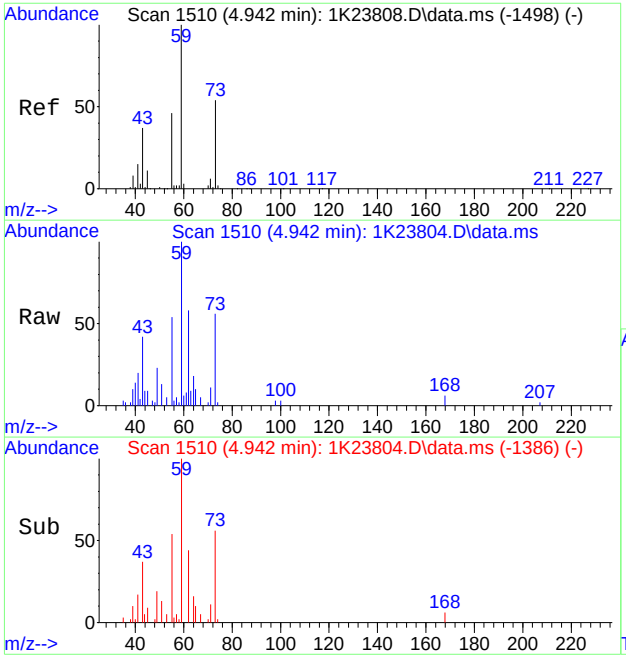


#47
carbon tetrachloride
Concen: 7.48 ug/L
RT: 4.508 min Scan# 1375
Delta R.T. -0.003 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion:117 Resp: 64203

Ion	Ratio	Lower	Upper
117	100		
119	89.7	74.6	114.6
121	27.5	9.9	49.9
82	20.9	5.1	45.1

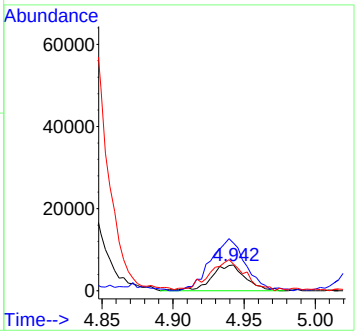


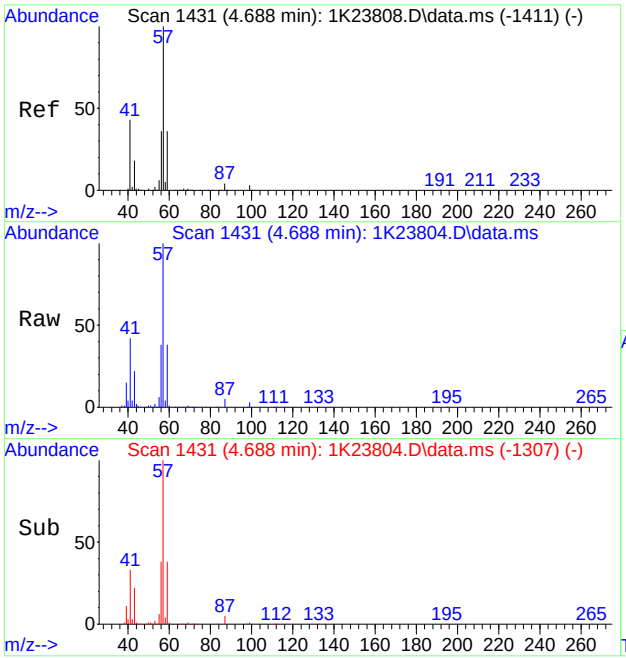


#49
tert-amyl alcohol
Concen: 40.53 ug/L
RT: 4.942 min Scan# 1510
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 55 Resp: 10576

Ion	Ratio	Lower	Upper
55	100		
59	178.9	194.2	234.2#
73	97.8	101.1	141.1#

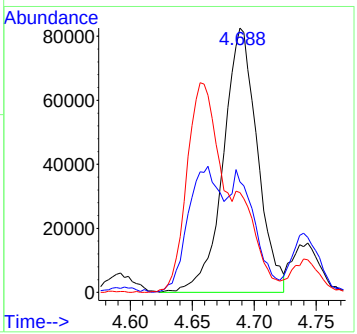


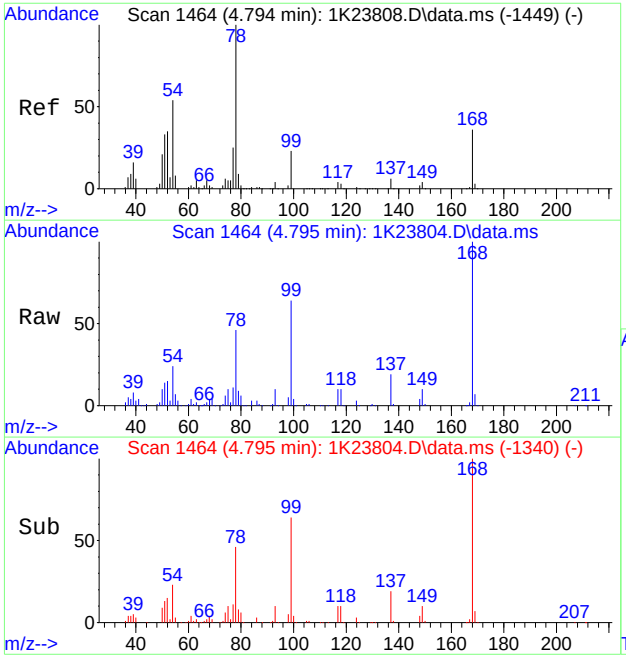


#52
iso-octane
Concen: 7.45 ug/L
RT: 4.688 min Scan# 1431
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 57 Resp: 158006

Ion	Ratio	Lower	Upper
57	100		
41	41.3	22.7	62.7
56	36.7	16.1	56.1

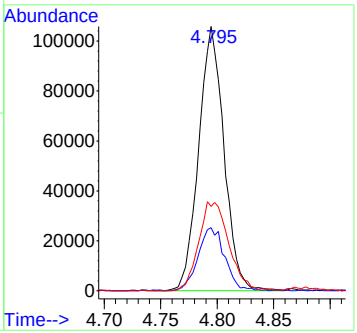


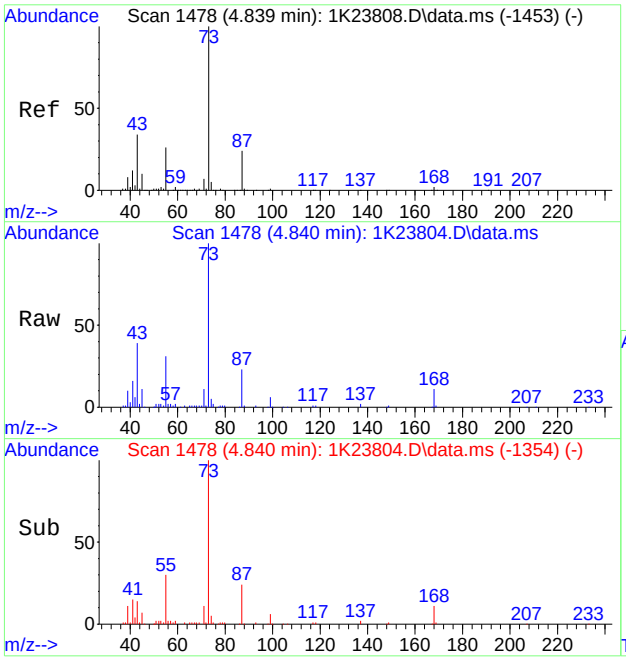


#53
benzene
Concen: 7.70 ug/L
RT: 4.795 min Scan# 1464
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 78 Resp: 164665

Ion	Ratio	Lower	Upper
78	100		
77	23.9	0.0	54.5
52	31.9	5.0	65.0

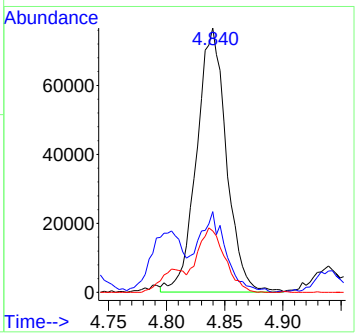


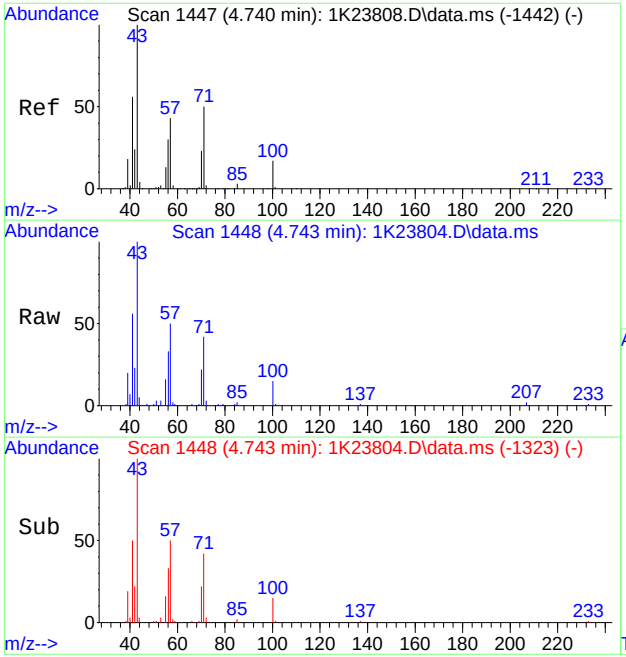


#54
tert-amyl methyl ether
Concen: 7.71 ug/L
RT: 4.840 min Scan# 1478
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 73 Resp: 136065

Ion	Ratio	Lower	Upper
73	100		
55	30.4	7.0	47.0
87	23.0	4.4	44.4

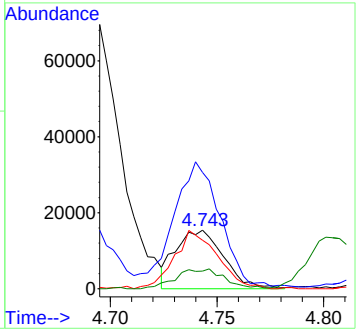


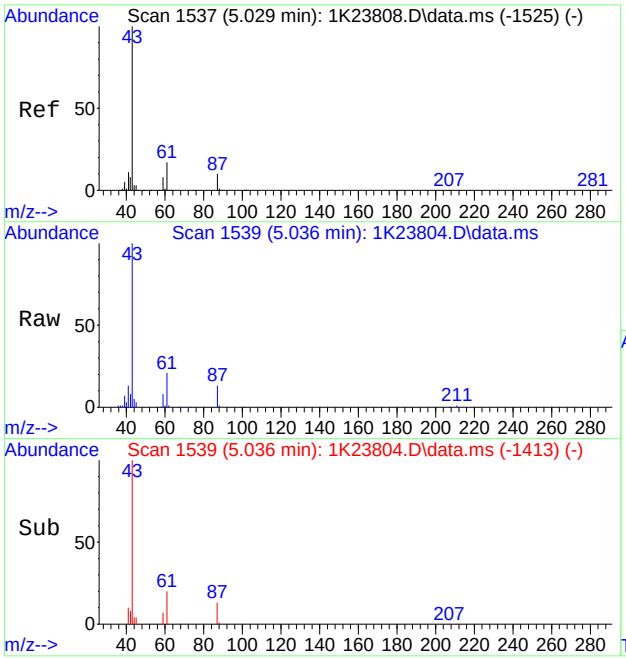


#55
heptane
Concen: 7.39 ug/L
RT: 4.743 min Scan# 1448
Delta R.T. 0.003 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 57 Resp: 24174

Ion	Ratio	Lower	Upper
57	100		
43	196.7	165.6	225.6
71	82.6	61.2	121.2
100	21.4	0.0	55.6

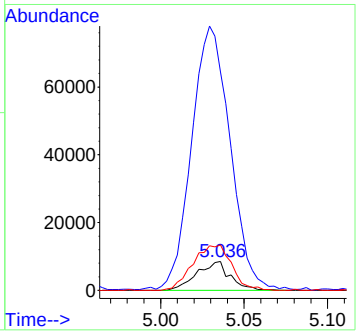


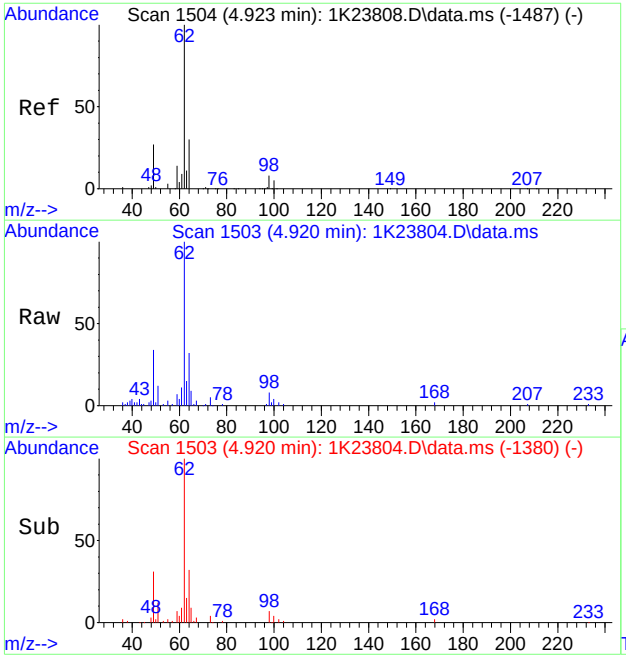


#56
isopropyl acetate
Concen: 7.60 ug/L
RT: 5.036 min Scan# 1539
Delta R.T. 0.007 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 87 Resp: 11862

Ion	Ratio	Lower	Upper
87	100		
43	740.6	998.2	1058.2#
61	156.4	147.0	207.0

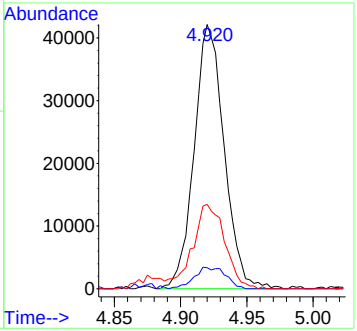


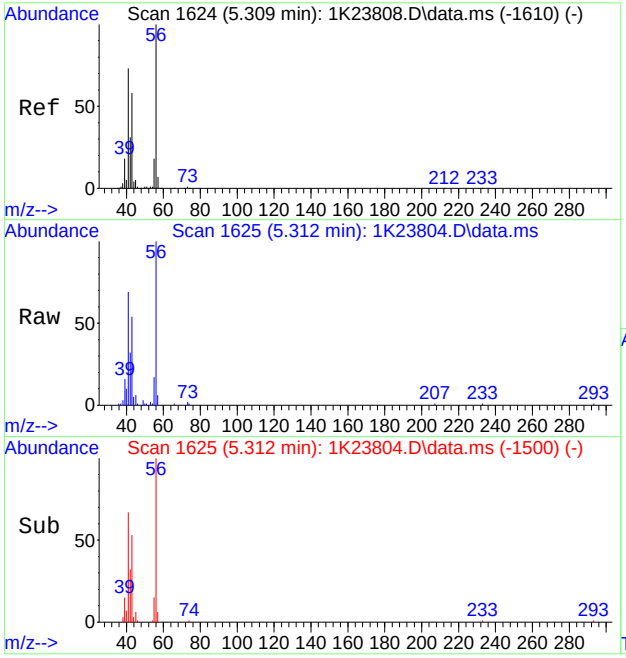


#57
1,2-dichloroethane
Concen: 7.38 ug/L
RT: 4.920 min Scan# 1503
Delta R.T. -0.003 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 62 Resp: 66543

Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	38.3
64	31.9	0.4	60.4

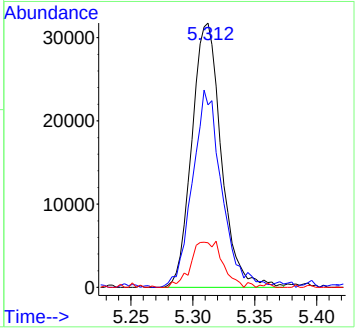


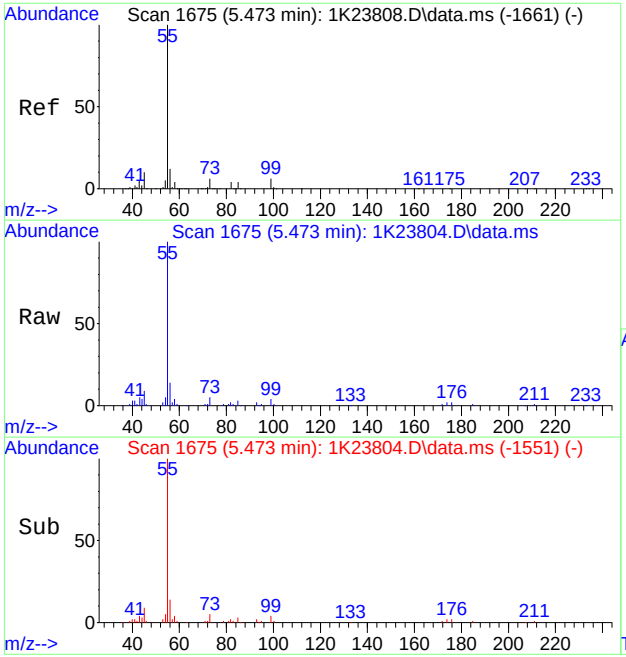


#58
n-butyl alcohol
Concen: 374.72 ug/L
RT: 5.312 min Scan# 1625
Delta R.T. 0.003 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 56 Resp: 52692

Ion	Ratio	Lower	Upper
56	100		
41	69.1	53.5	93.5
55	16.9	0.0	38.0

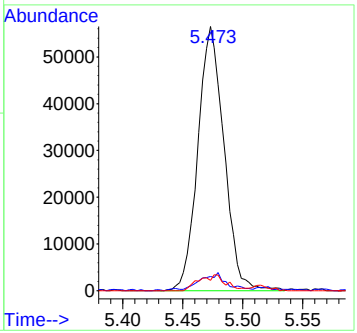


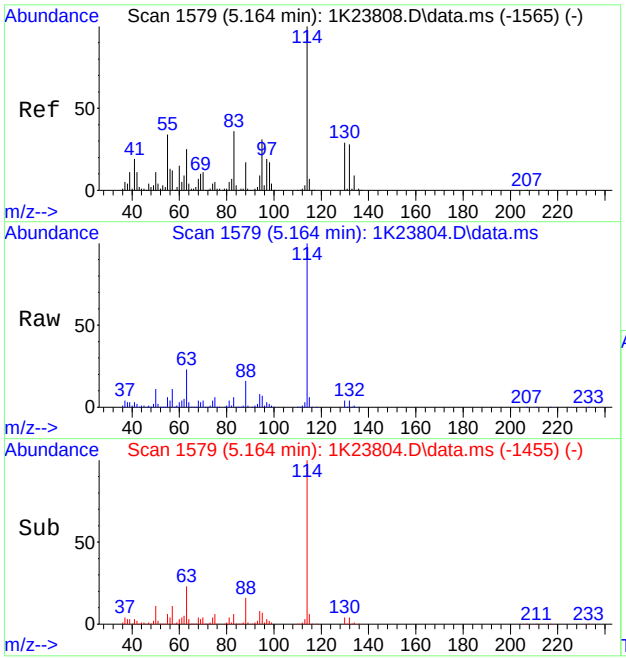


#59
ethyl acrylate
Concen: 8.14 ug/L
RT: 5.473 min Scan# 1675
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 55 Resp: 85762

Ion	Ratio	Lower	Upper
55	100		
73	5.1	0.0	35.8
99	3.9	0.0	35.9

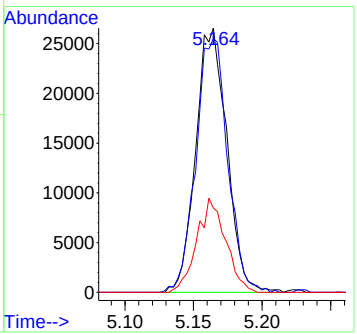


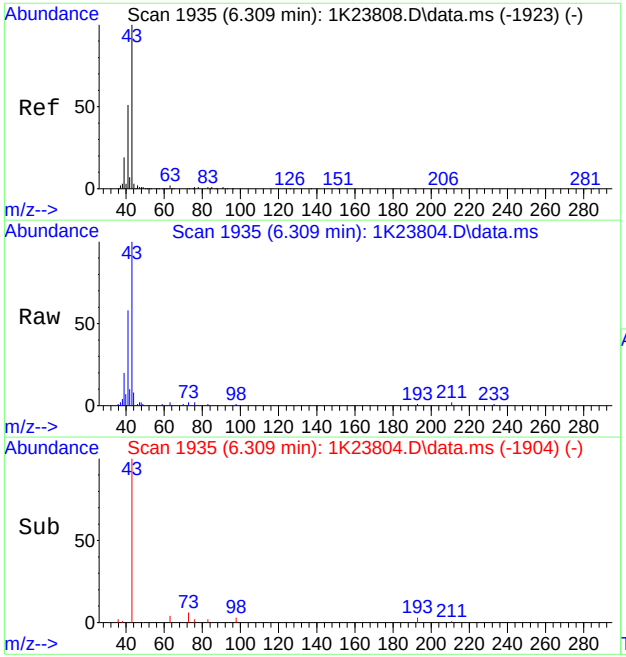


#60
trichloroethene
Concen: 7.88 ug/L
RT: 5.164 min Scan# 1579
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion:130 Resp: 41938

Ion	Ratio	Lower	Upper
130	100		
132	95.9	66.4	126.4
134	31.9	0.0	59.6

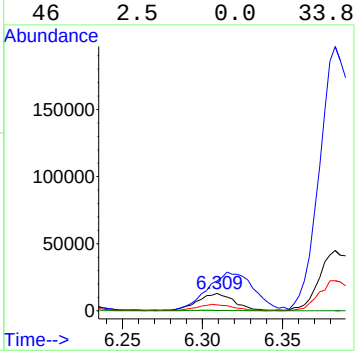


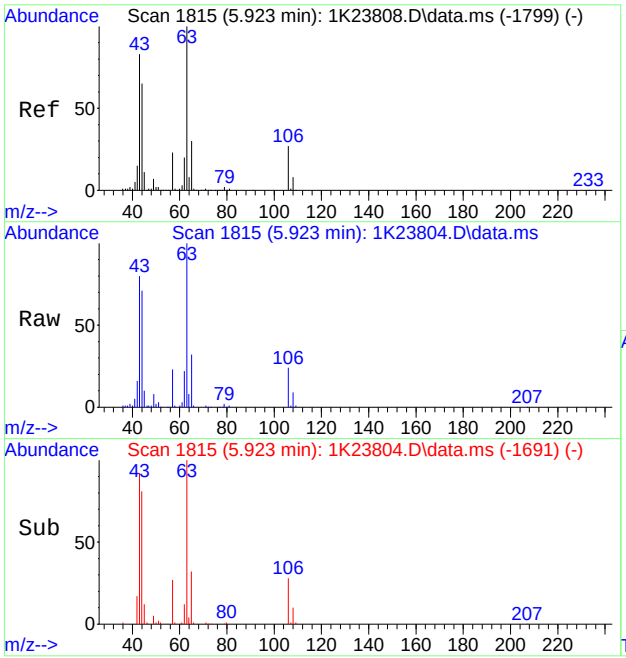


#61
2-nitropropane
Concen: 7.32 ug/L
RT: 6.309 min Scan# 1935
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 41 Resp: 20026

Ion	Ratio	Lower	Upper
41	100		
43	171.5	164.7	224.7
39	34.4	6.3	66.3
46	2.5	0.0	33.8

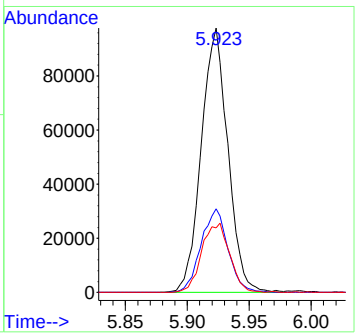


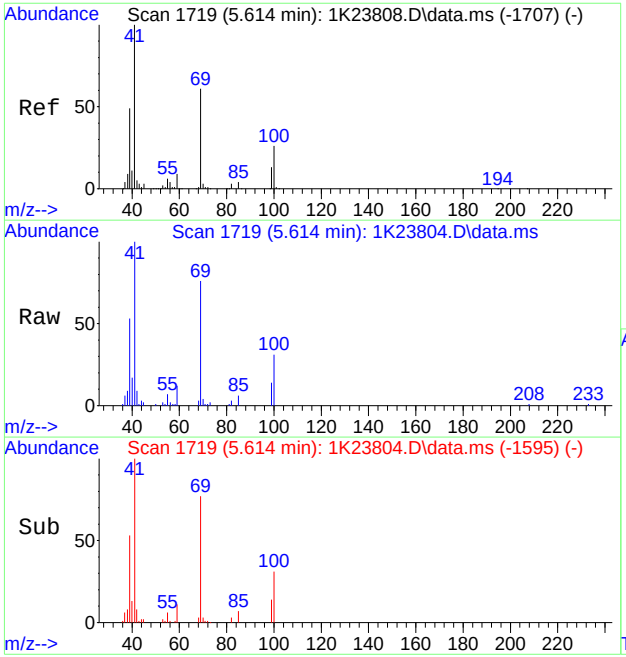


#62
2-chloroethyl vinyl ether
Concen: 39.13 ug/L
RT: 5.923 min Scan# 1815
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 63 Resp: 146098

Ion	Ratio	Lower	Upper
63	100		
65	31.6	0.4	60.4
106	24.4	0.0	57.4

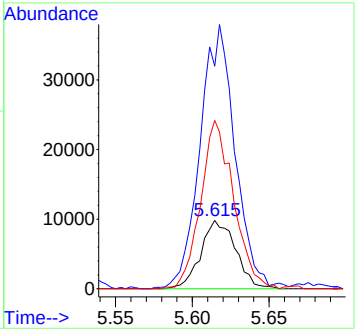


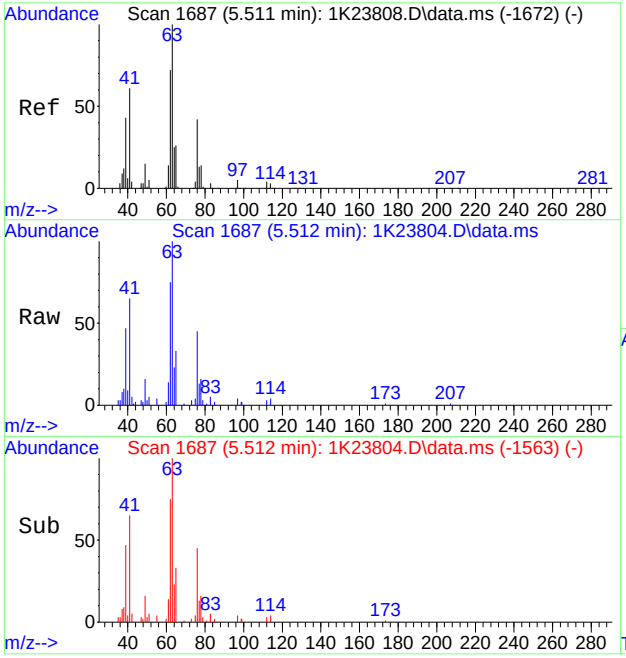


#63
methyl methacrylate
Concen: 8.63 ug/L
RT: 5.614 min Scan# 1719
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion:100 Resp: 15543

Ion	Ratio	Lower	Upper
100	100		
41	323.3	352.7	412.7#
69	246.6	201.8	261.8

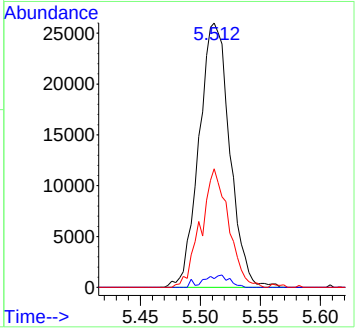


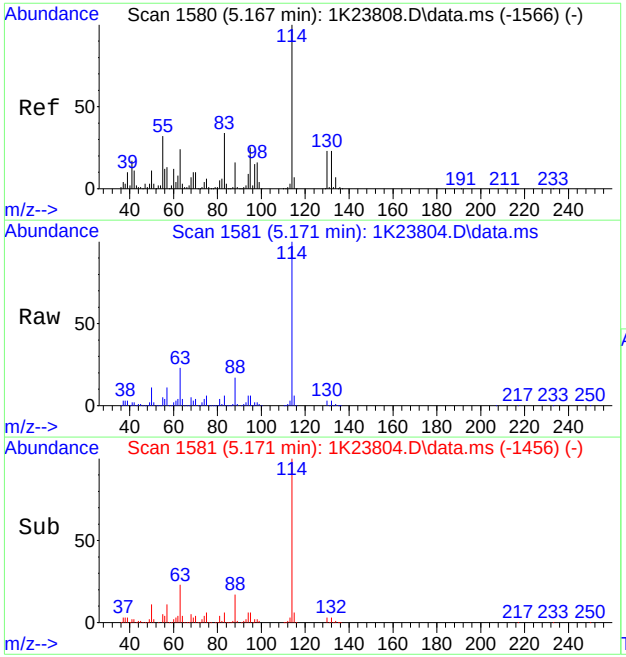


#64
1,2-dichloropropane
Concen: 7.74 ug/L
RT: 5.512 min Scan# 1687
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 63 Resp: 46227

Ion	Ratio	Lower	Upper
63	100		
112	3.3	0.0	34.3
76	44.9	11.5	71.5

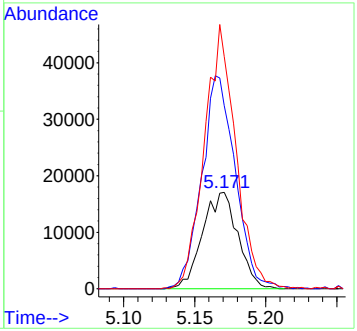


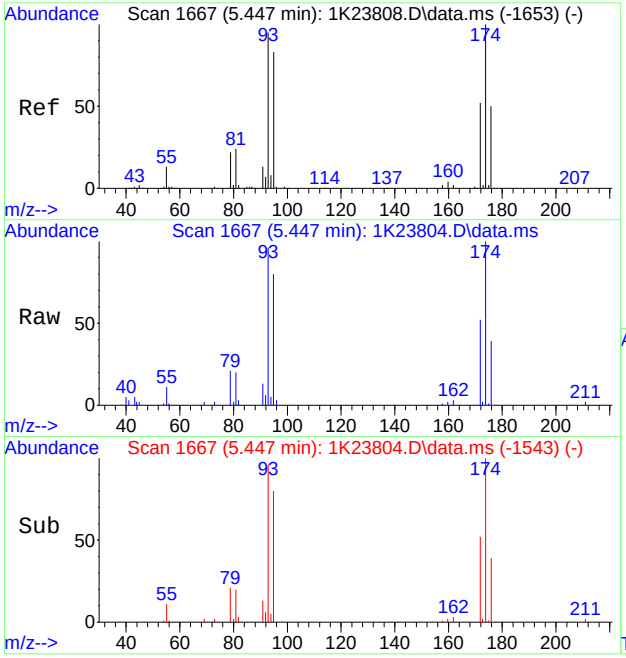


#65
methylcyclohexane
Concen: 7.51 ug/L
RT: 5.171 min Scan# 1581
Delta R.T. 0.003 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 98 Resp: 29590

Ion	Ratio	Lower	Upper
98	100		
55	189.8	162.4	222.4
83	240.6	177.4	237.4#

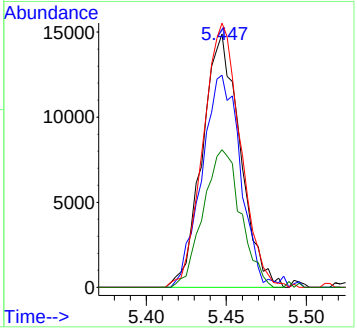


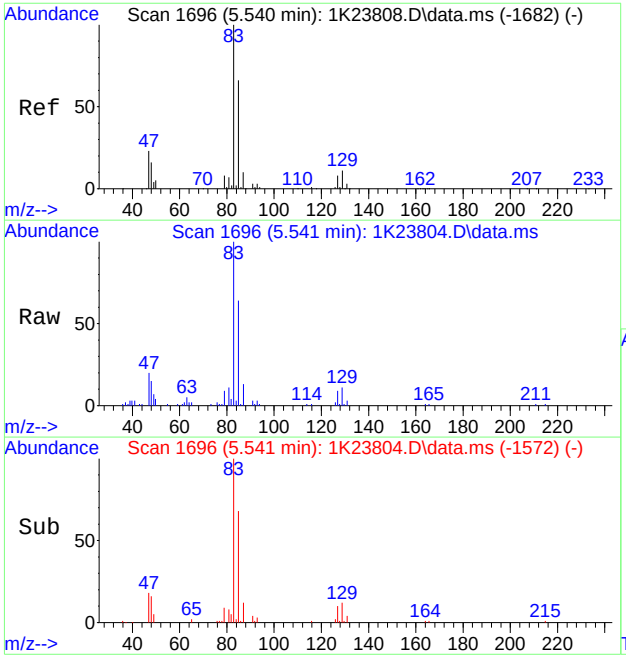


#66
dibromomethane
Concen: 7.44 ug/L
RT: 5.447 min Scan# 1667
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 93 Resp: 24419

Ion	Ratio	Lower	Upper
93	100		
95	83.7	57.5	117.5
174	104.3	75.1	135.1
172	54.3	34.2	74.2

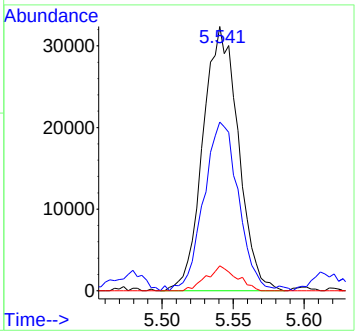


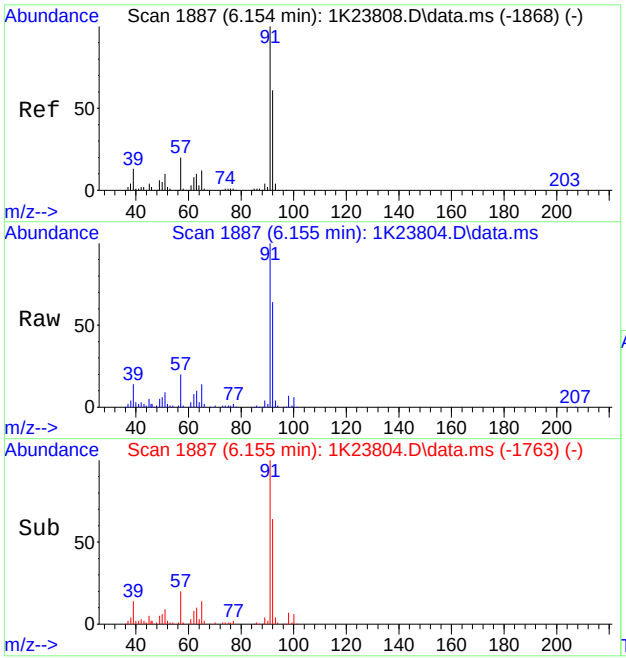


#67
bromodichloromethane
Concen: 7.61 ug/L
RT: 5.541 min Scan# 1696
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 83 Resp: 56053

Ion	Ratio	Lower	Upper
83	100		
85	63.8	35.5	95.5
127	9.4	0.0	37.9

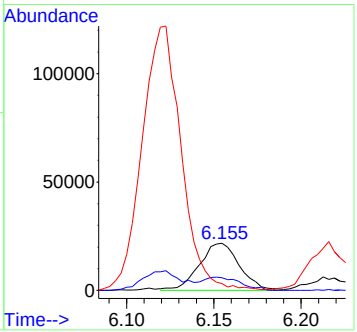


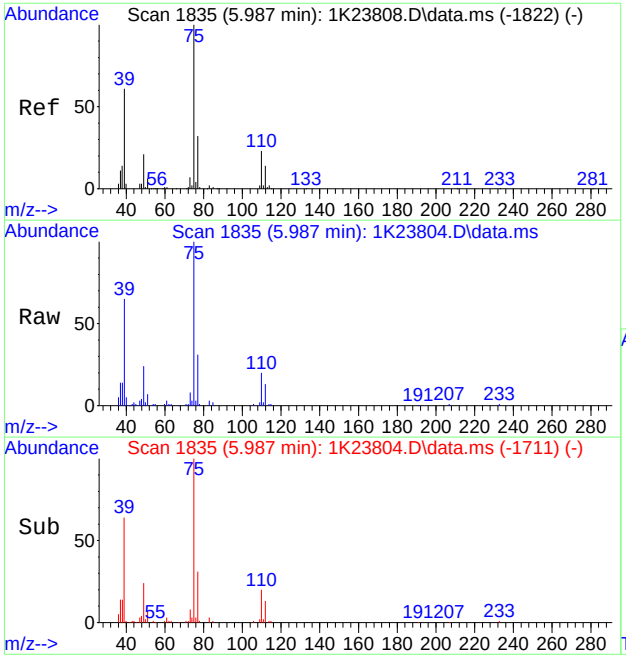


#68
epichlorohydrin
Concen: 39.79 ug/L
RT: 6.155 min Scan# 1887
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 57 Resp: 34869

Ion	Ratio	Lower	Upper
57	100		
49	27.2	8.2	48.2
42	9.1	0.0	27.5

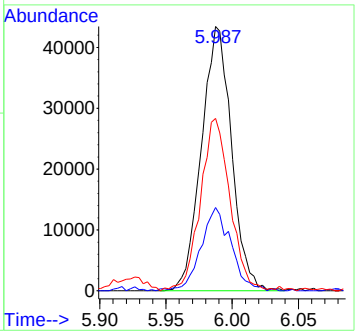


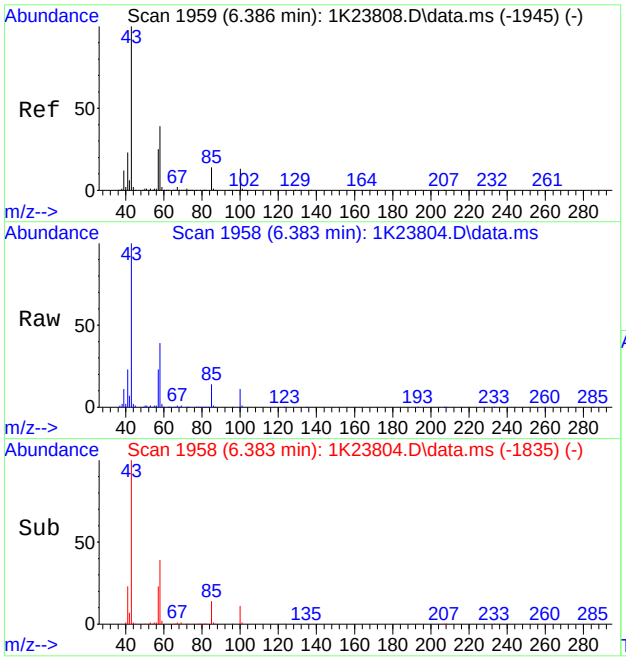


#69
cis-1,3-dichloropropene
Concen: 7.83 ug/L
RT: 5.987 min Scan# 1835
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 75 Resp: 68723

Ion	Ratio	Lower	Upper
75	100		
77	31.5	2.2	62.2
39	65.2	31.6	91.6

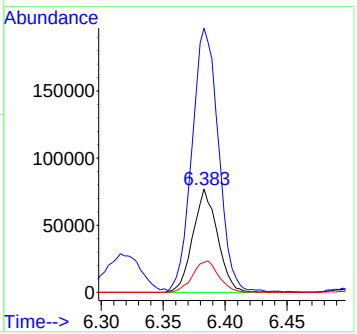


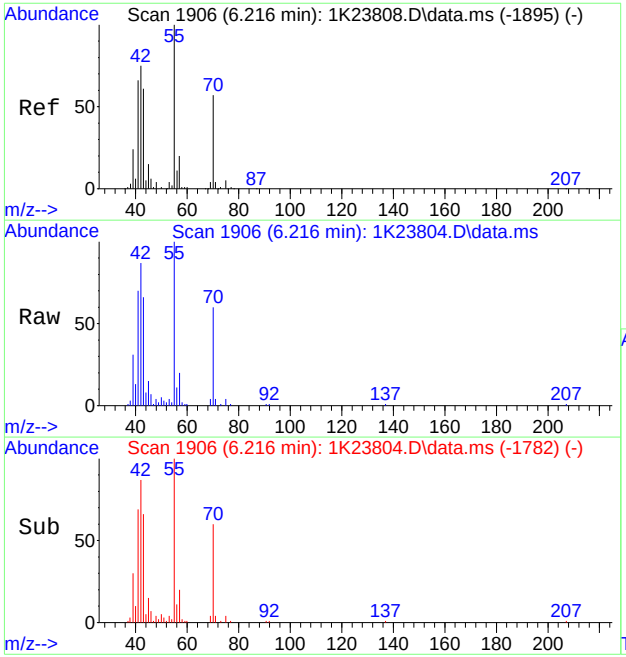


#70
4-methyl-2-pentanone
Concen: 31.21 ug/L
RT: 6.383 min Scan# 1958
Delta R.T. -0.003 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 58 Resp: 106823

Ion	Ratio	Lower	Upper
58	100		
43	254.9	235.3	295.3
100	28.9	2.2	62.2

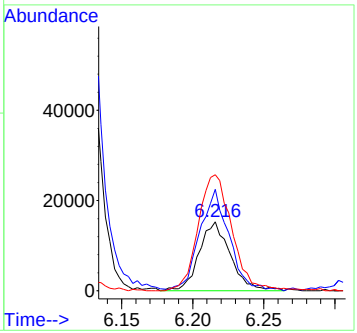


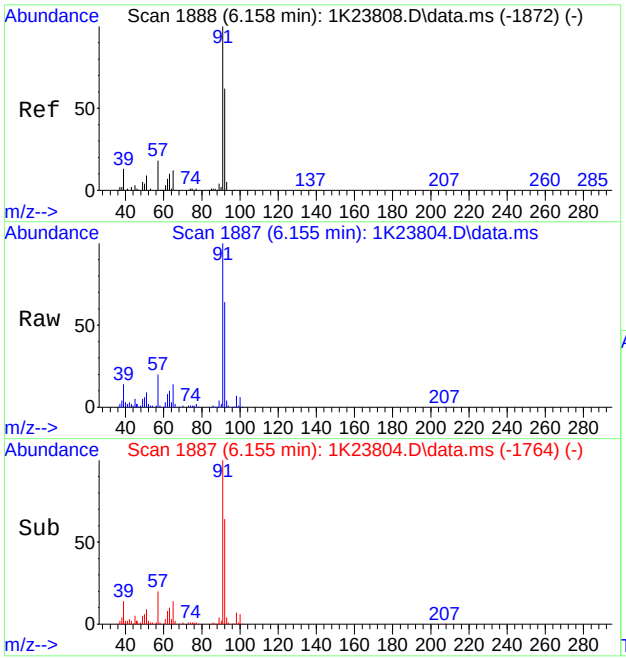


#71
3-methyl-1-butanol
Concen: 159.16 ug/L
RT: 6.216 min Scan# 1906
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 70 Resp: 23407

Ion	Ratio	Lower	Upper
70	100		
42	146.6	103.4	163.4
55	167.9	146.9	206.9

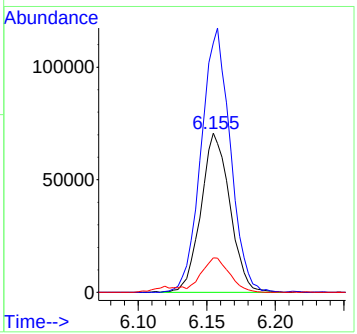


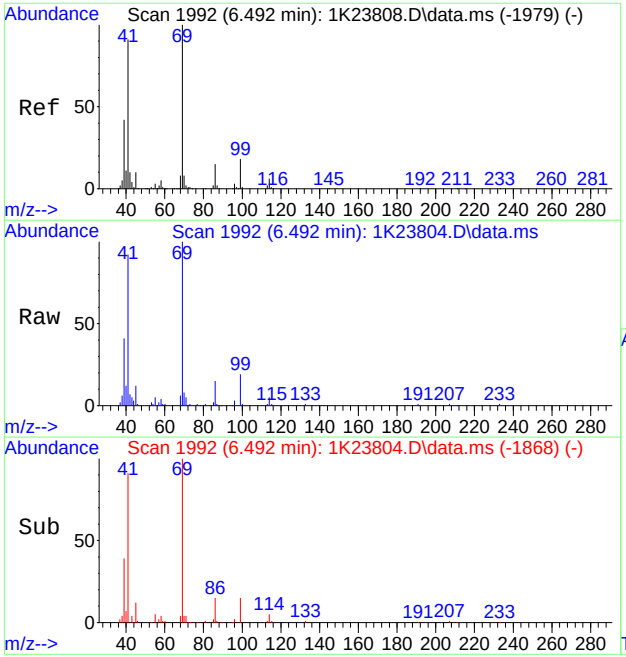


#74
toluene
Concen: 7.57 ug/L
RT: 6.155 min Scan# 1887
Delta R.T. -0.003 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 92 Resp: 103507

Ion	Ratio	Lower	Upper
92	100		
91	156.7	140.0	180.0
65	21.7	0.0	39.6

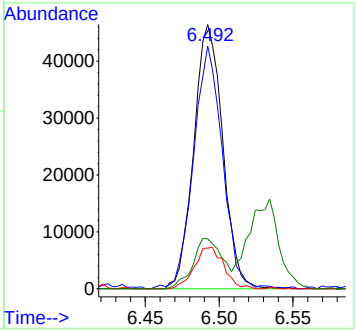


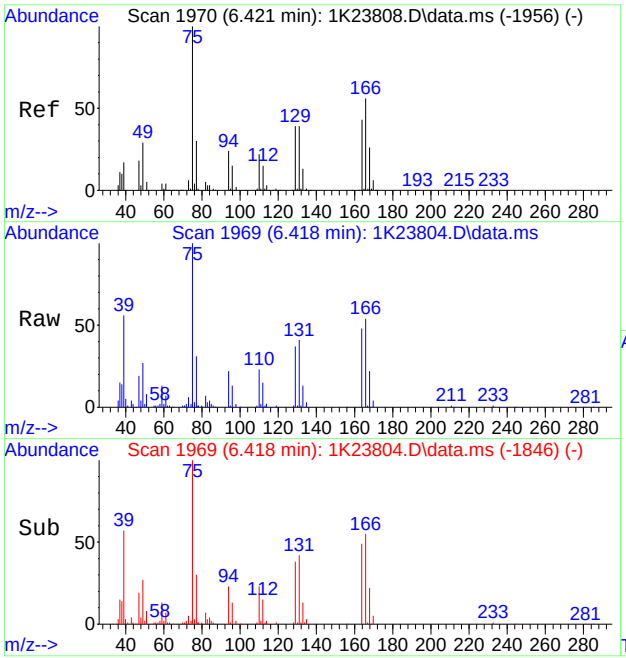


#75
ethyl methacrylate
Concen: 8.11 ug/L
RT: 6.492 min Scan# 1992
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 69 Resp: 63185

Ion	Ratio	Lower	Upper
69	100		
41	91.3	71.2	111.2
86	15.4	0.0	35.1
99	18.9	0.0	38.4

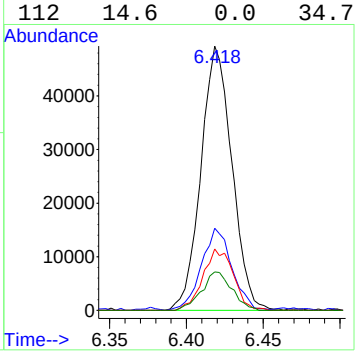


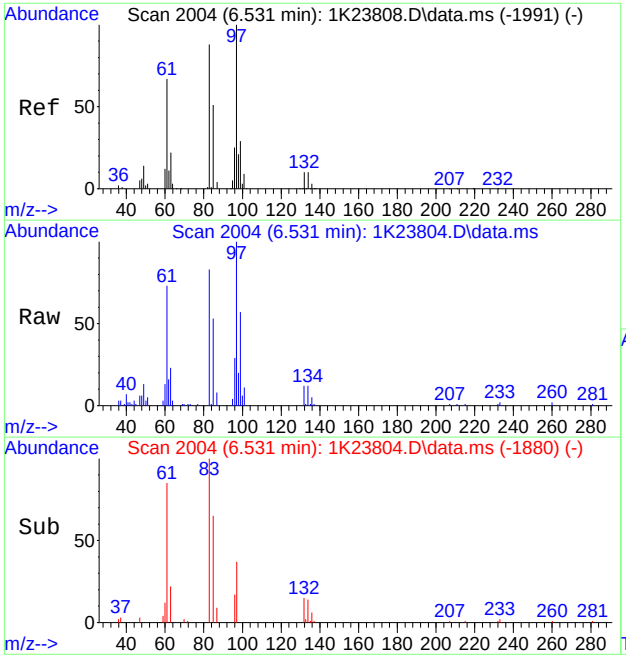


#76
trans-1,3-dichloropropene
Concen: 7.98 ug/L
RT: 6.418 min Scan# 1969
Delta R.T. -0.003 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 75 Resp: 69320

Ion	Ratio	Lower	Upper
75	100		
77	30.7	10.4	50.4
110	23.2	2.4	42.4
112	14.6	0.0	34.7

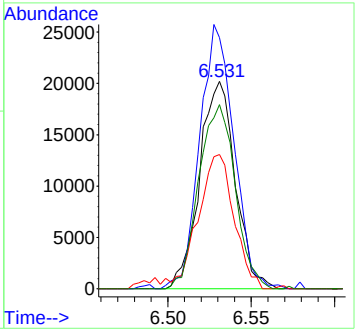


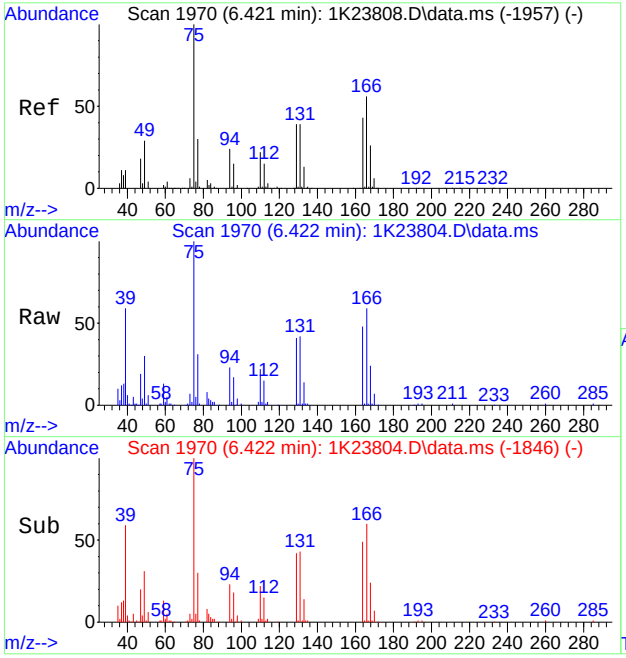


#77
1,1,2-trichloroethane
Concen: 8.05 ug/L
RT: 6.531 min Scan# 2004
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 83 Resp: 30031

Ion	Ratio	Lower	Upper
83	100		
97	121.1	94.4	134.4
85	63.2	41.5	81.5
61	88.8	56.0	96.0

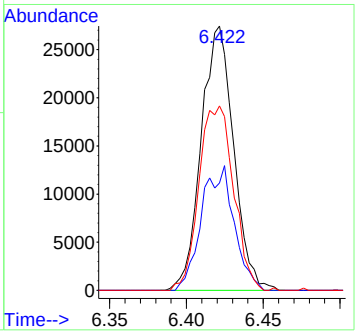


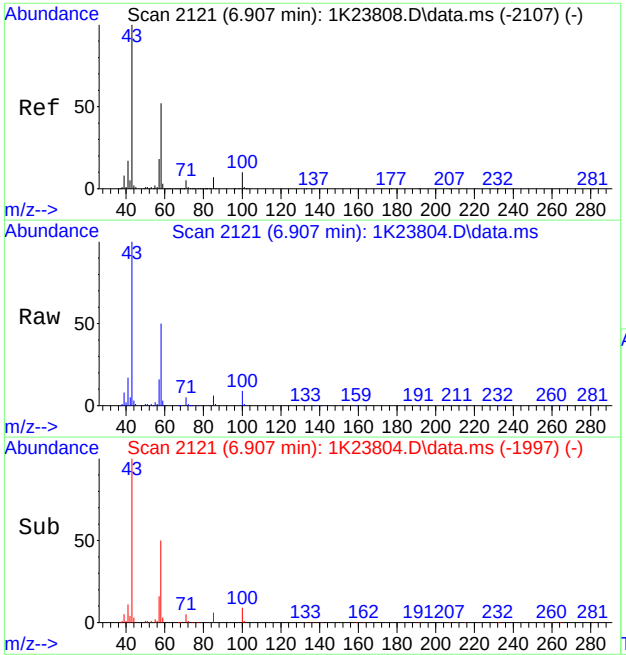


#78
tetrachloroethene
Concen: 7.62 ug/L
RT: 6.422 min Scan# 1970
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion:166 Resp: 40367

Ion	Ratio	Lower	Upper
166	100		
168	40.6	17.0	77.0
129	69.7	39.8	99.8

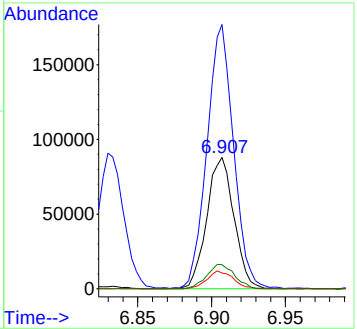


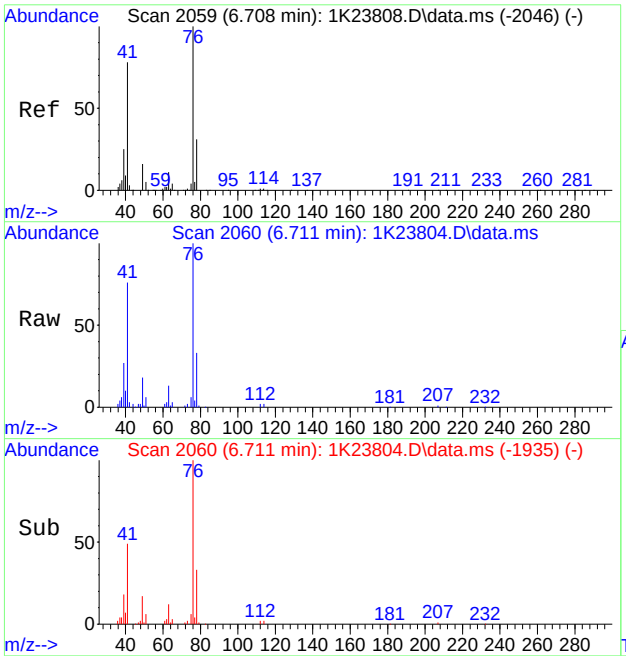


#79
2-hexanone
Concen: 31.54 ug/L
RT: 6.907 min Scan# 2121
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 58 Resp: 112385

Ion	Ratio	Lower	Upper
58	100		
43	200.7	172.5	212.5
85	11.9	0.0	32.5
100	18.5	0.0	39.5

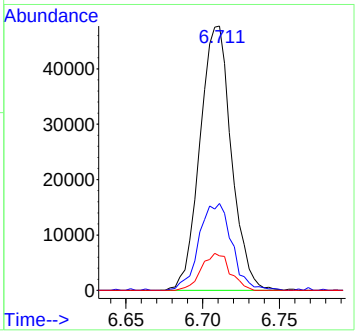


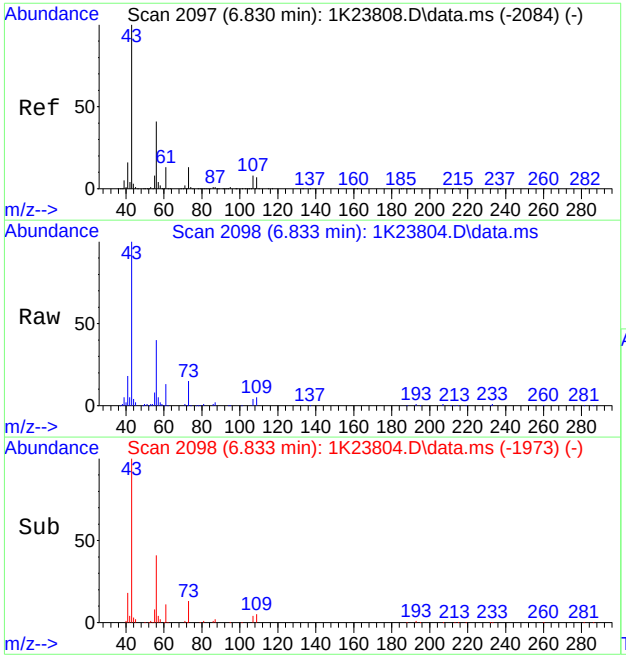


#80
1,3-dichloropropane
Concen: 8.04 ug/L
RT: 6.711 min Scan# 2060
Delta R.T. 0.003 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 76 Resp: 68080

Ion	Ratio	Lower	Upper
76	100		
78	32.8	0.6	60.6
63	13.1	0.0	41.5

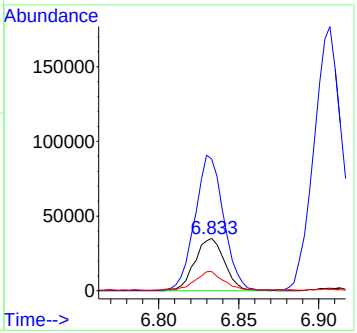


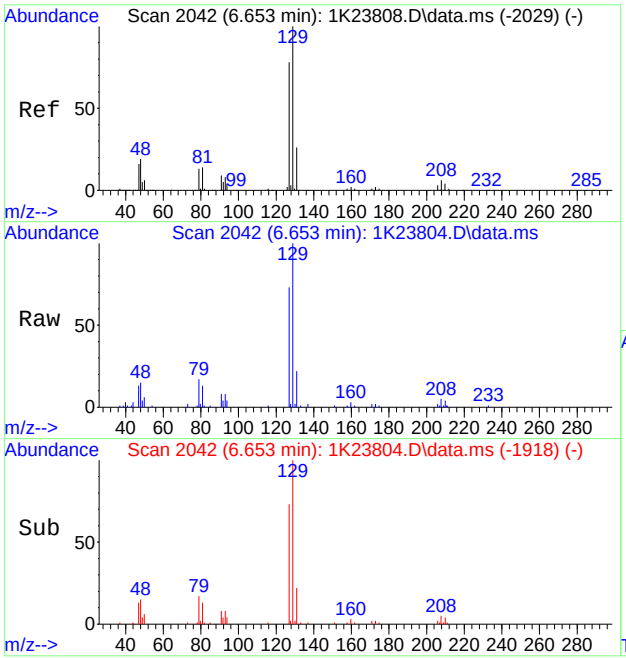


#81
butyl acetate
Concen: 7.80 ug/L
RT: 6.833 min Scan# 2098
Delta R.T. 0.003 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 56 Resp: 45255

Ion	Ratio	Lower	Upper
56	100		
43	248.9	215.3	275.3
73	35.8	2.2	62.2

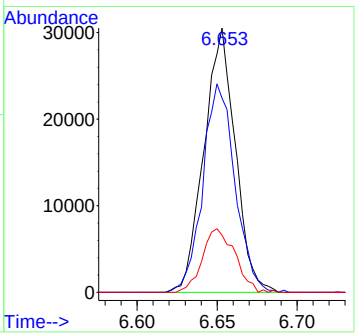


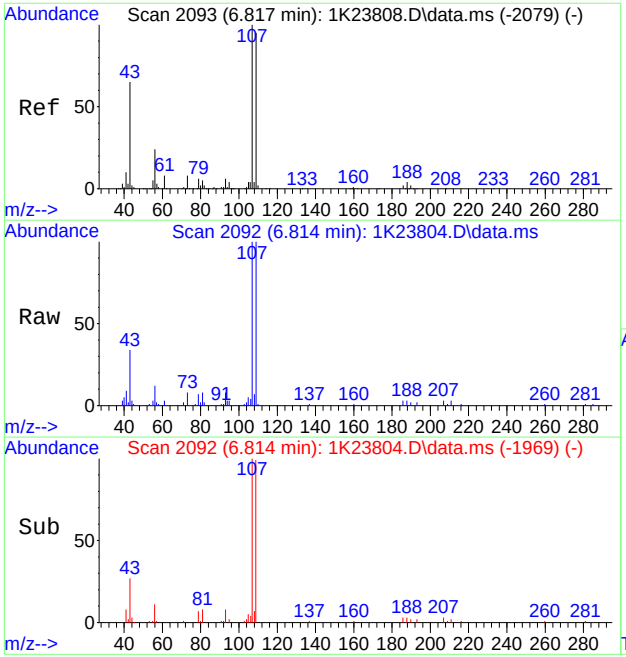


#82
dibromochloromethane
Concen: 7.68 ug/L
RT: 6.653 min Scan# 2042
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion:129 Resp: 41583

Ion	Ratio	Lower	Upper
129	100		
127	73.5	47.8	107.8
131	21.7	0.0	55.8

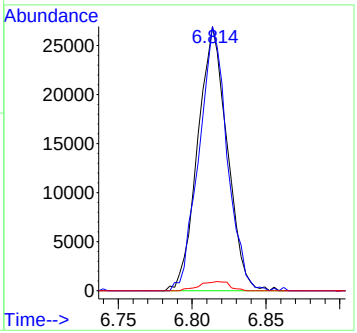


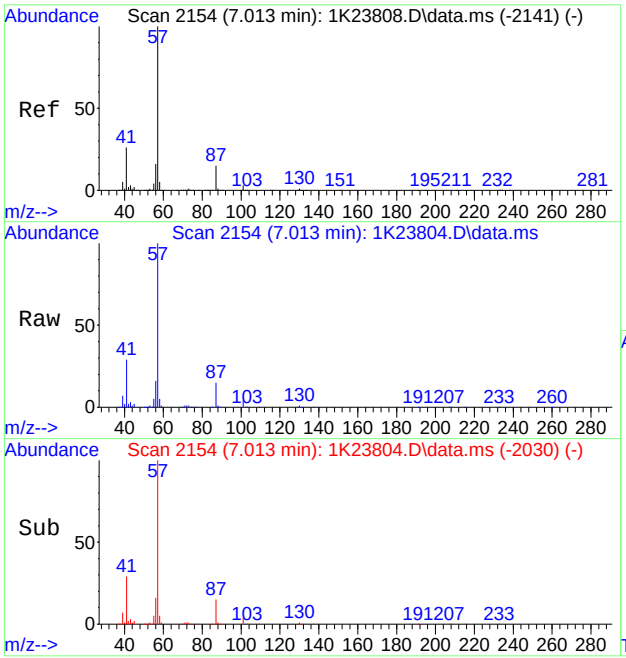


#83
1,2-dibromoethane
Concen: 7.85 ug/L
RT: 6.814 min Scan# 2092
Delta R.T. -0.003 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion:107 Resp: 37334

Ion	Ratio	Lower	Upper
107	100		
109	100.1	65.3	125.3
188	3.2	0.0	33.6

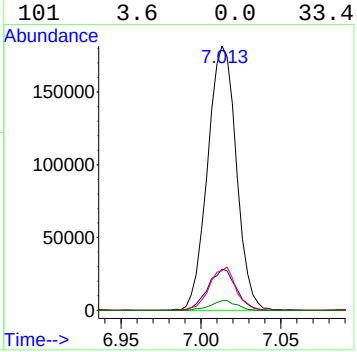


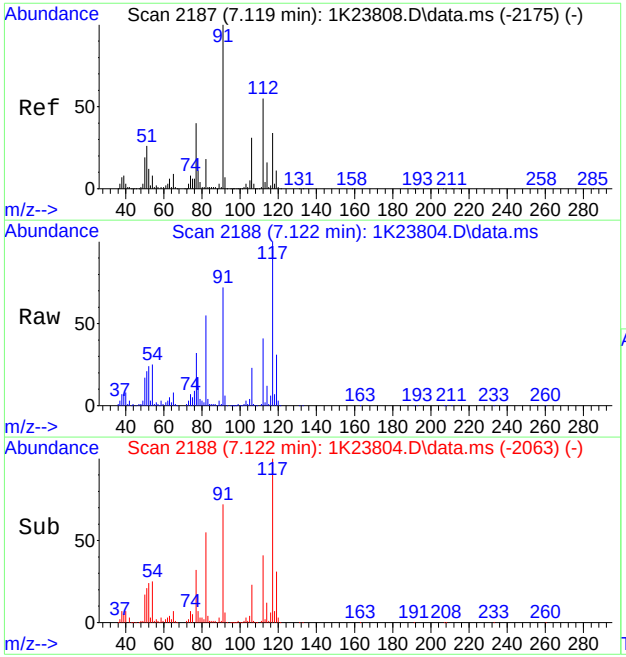


#84
n-butyl ether
Concen: 8.05 ug/L
RT: 7.013 min Scan# 2154
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 57 Resp: 226432

Ion	Ratio	Lower	Upper
57	100		
56	15.6	0.0	45.7
87	14.9	0.0	44.9
101	3.6	0.0	33.4

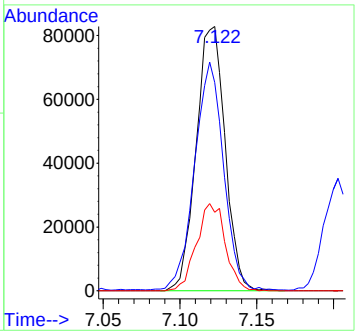


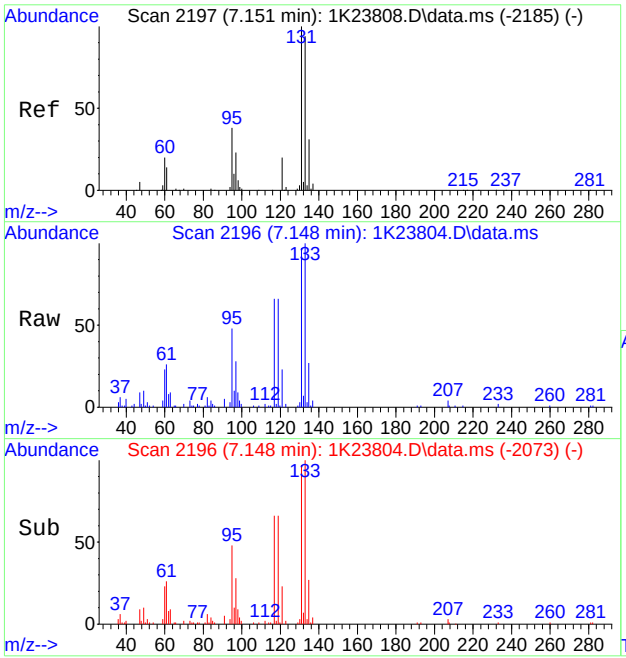


#85
chlorobenzene
Concen: 7.69 ug/L
RT: 7.122 min Scan# 2188
Delta R.T. 0.003 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion:112 Resp: 108571

Ion	Ratio	Lower	Upper
112	100		
77	78.5	43.7	103.7
114	29.7	0.0	59.8

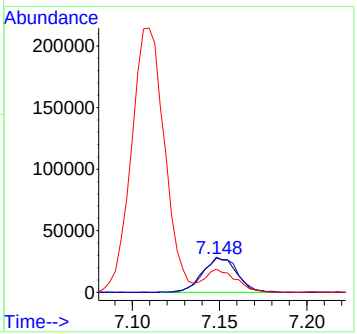


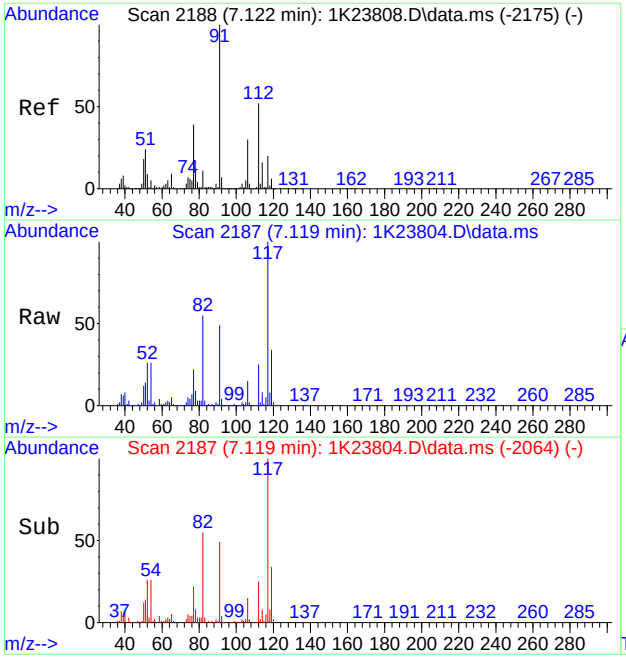


#86
1,1,1,2-tetrachloroethane
Concen: 7.43 ug/L
RT: 7.148 min Scan# 2196
Delta R.T. -0.003 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion:131 Resp: 38494

Ion	Ratio	Lower	Upper
131	100		
133	102.9	64.3	124.3
119	67.8	27.7	87.7

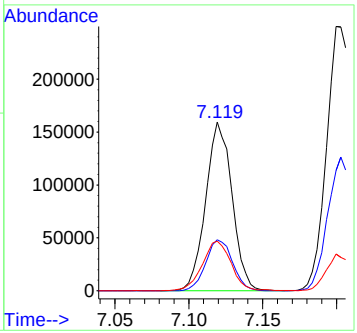


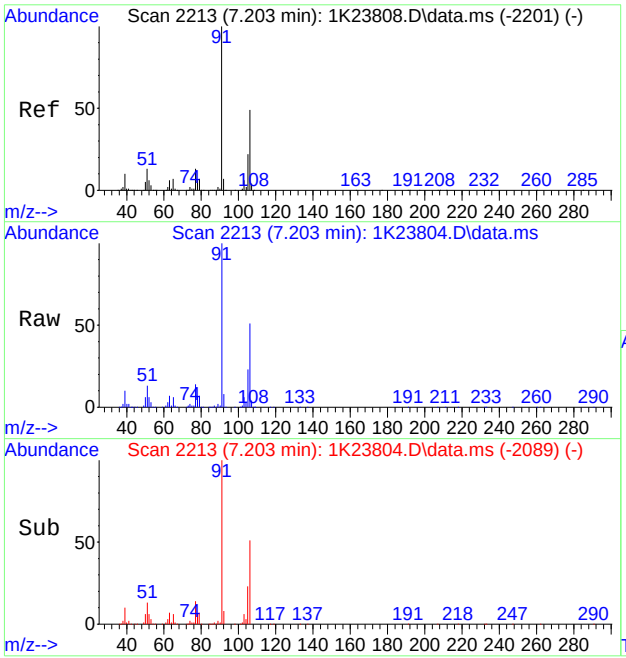


#87
ethylbenzene
Concen: 7.56 ug/L
RT: 7.119 min Scan# 2187
Delta R.T. -0.003 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 91 Resp: 197317

Ion	Ratio	Lower	Upper
91	100		
106	30.2	0.3	60.3
51	29.5	0.0	54.3

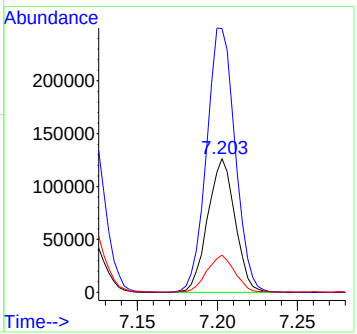


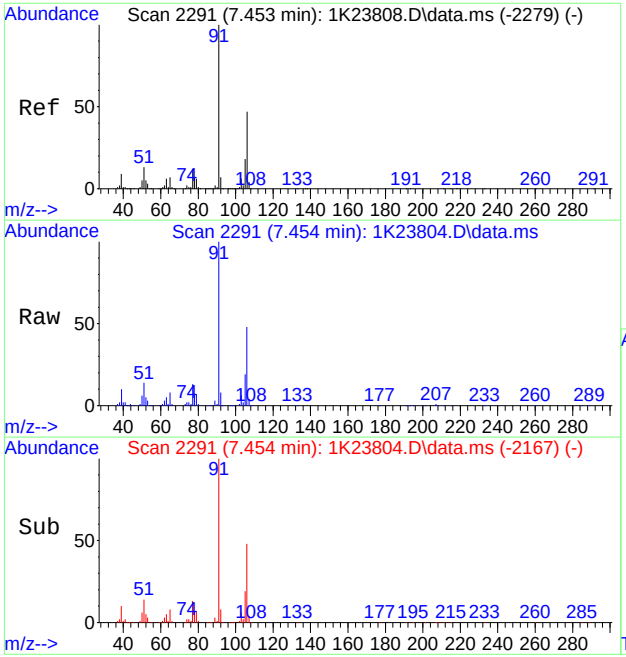


#88
m,p-xylene
Concen: 15.54 ug/L
RT: 7.203 min Scan# 2213
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion:106 Resp: 150338

Ion	Ratio	Lower	Upper
106	100		
91	197.4	176.0	236.0
77	27.9	5.9	45.9

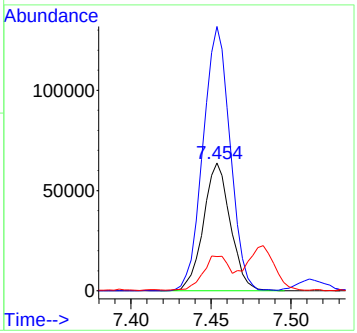


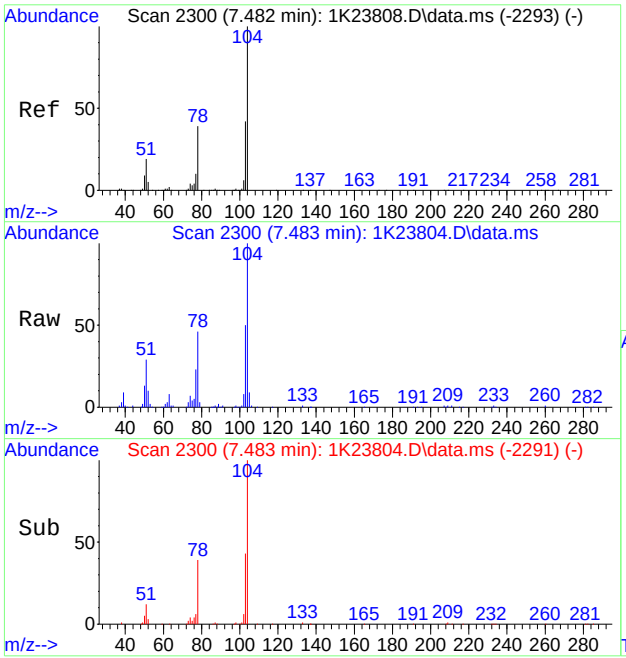


#89
o-xylene
Concen: 8.17 ug/L
RT: 7.454 min Scan# 2291
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion:106 Resp: 74742

Ion	Ratio	Lower	Upper
106	100		
91	206.9	183.9	243.9
77	26.1	5.0	45.0

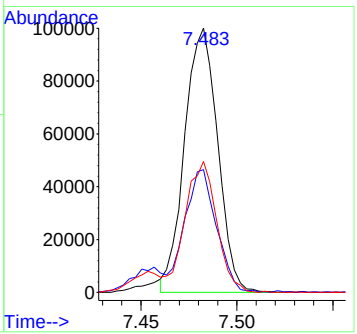


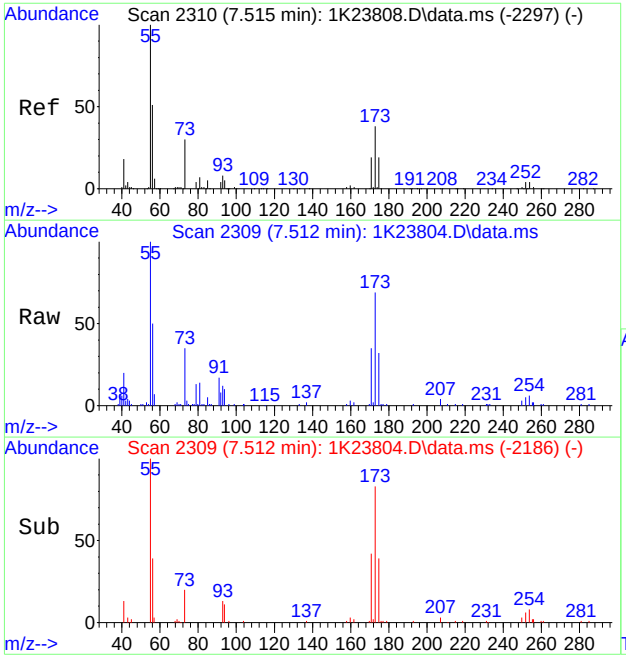


#90
styrene
Concen: 7.77 ug/L
RT: 7.483 min Scan# 2300
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion:104 Resp: 120357

Ion	Ratio	Lower	Upper
104	100		
78	46.2	13.8	73.8
103	49.6	16.3	76.3

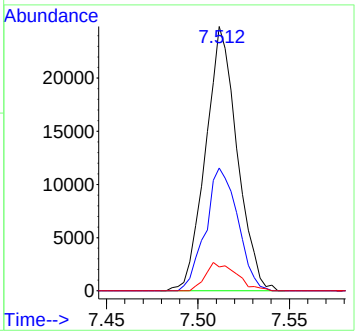


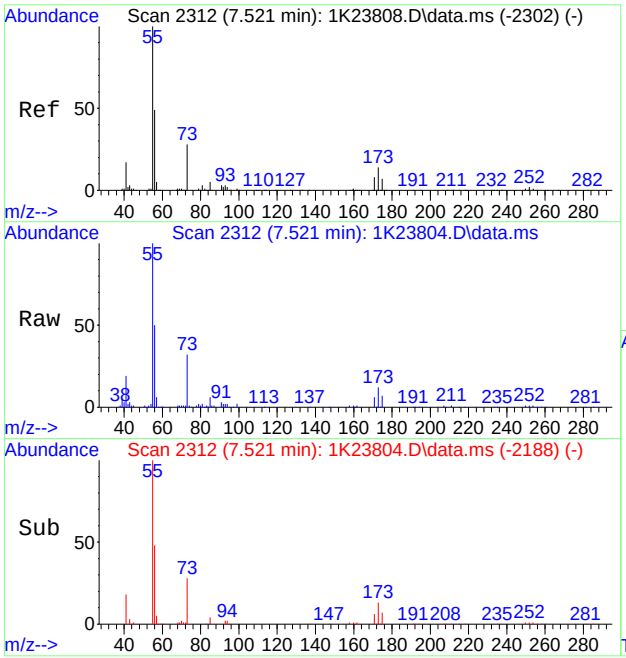


#91
bromoform
Concen: 7.96 ug/L
RT: 7.512 min Scan# 2309
Delta R.T. -0.003 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion:173 Resp: 29954

Ion	Ratio	Lower	Upper
173	100		
175	46.4	20.6	80.6
254	9.1	0.0	39.4

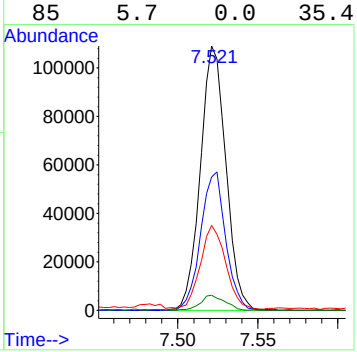


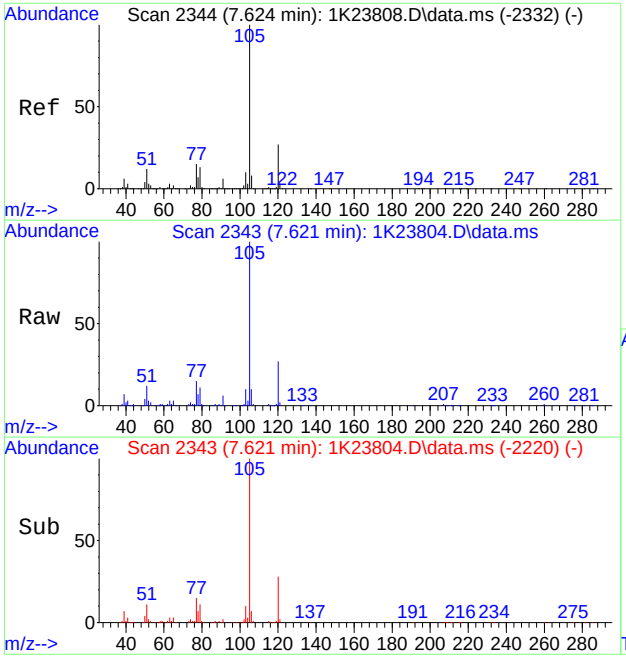


#92
butyl acrylate
Concen: 8.18 ug/L
RT: 7.521 min Scan# 2312
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 55 Resp: 121271

Ion	Ratio	Lower	Upper
55	100		
56	50.5	19.2	79.2
73	31.3	0.0	59.1
85	5.7	0.0	35.4

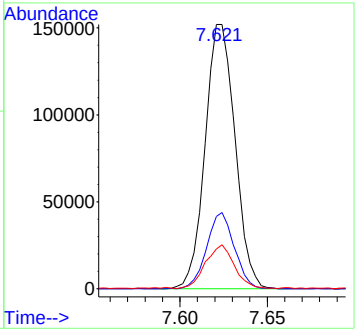


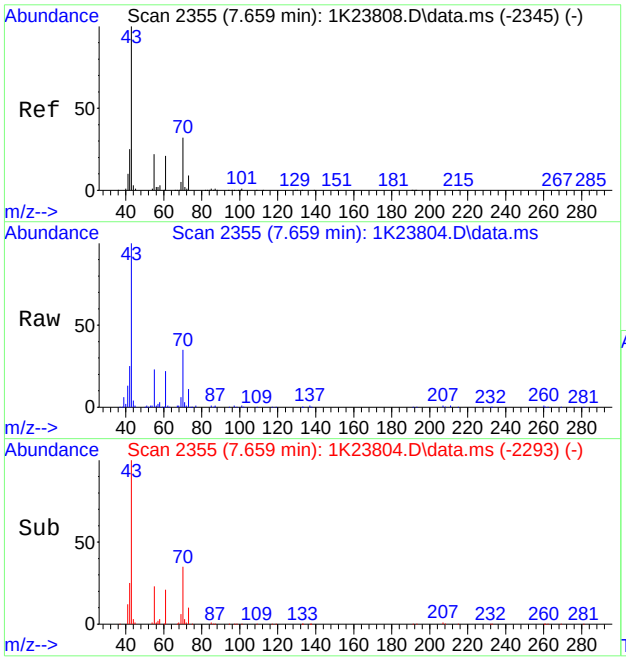


#93
isopropylbenzene
Concen: 8.01 ug/L
RT: 7.621 min Scan# 2343
Delta R.T. -0.003 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion:105 Resp: 181379

Ion	Ratio	Lower	Upper
105	100		
120	27.4	7.4	47.4
77	14.7	0.0	35.4

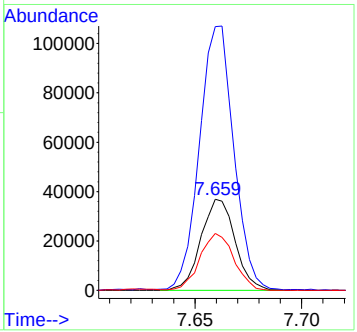


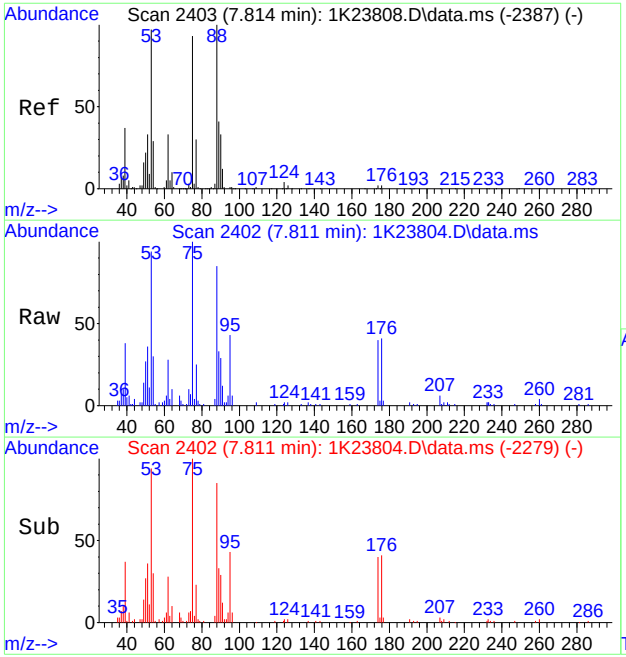


#94
n-amyl acetate
Concen: 8.43 ug/L
RT: 7.659 min Scan# 2355
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 70 Resp: 41160

Ion	Ratio	Lower	Upper
70	100		
43	288.8	293.9	333.9#
61	62.4	48.4	88.4

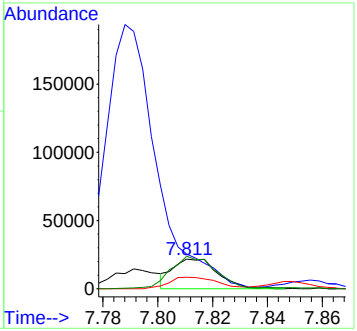


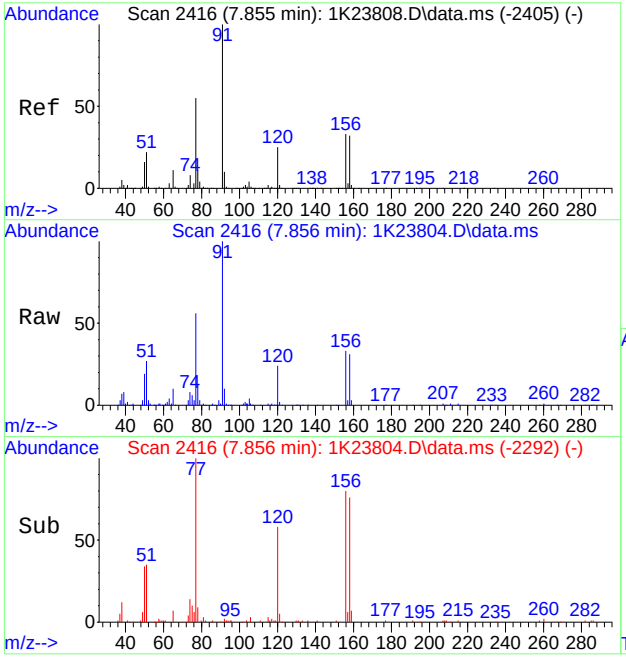


#95
cis-1,4-dichloro-2-butene
Concen: 7.51 ug/L
RT: 7.811 min Scan# 2402
Delta R.T. -0.003 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 88 Resp: 24746

Ion	Ratio	Lower	Upper
88	100		
75	102.4	72.9	112.9
89	29.5	20.6	60.6
53	105.6	76.9	116.9

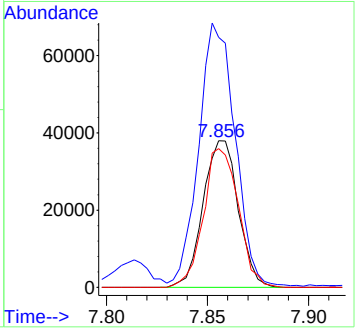


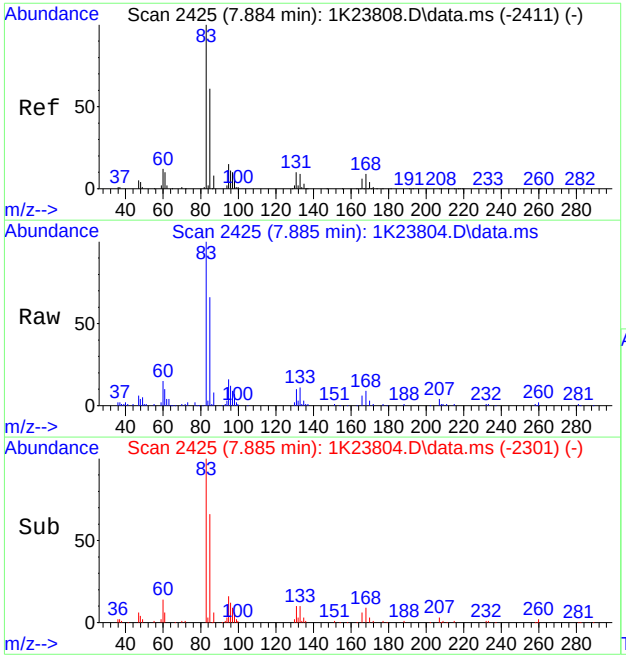


#98
bromobenzene
Concen: 8.15 ug/L
RT: 7.856 min Scan# 2416
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion:156 Resp: 45927

Ion	Ratio	Lower	Upper
156	100		
77	168.8	150.1	210.1
158	94.8	66.6	126.6

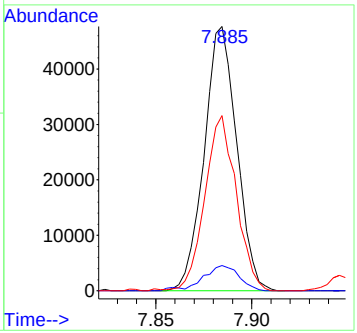


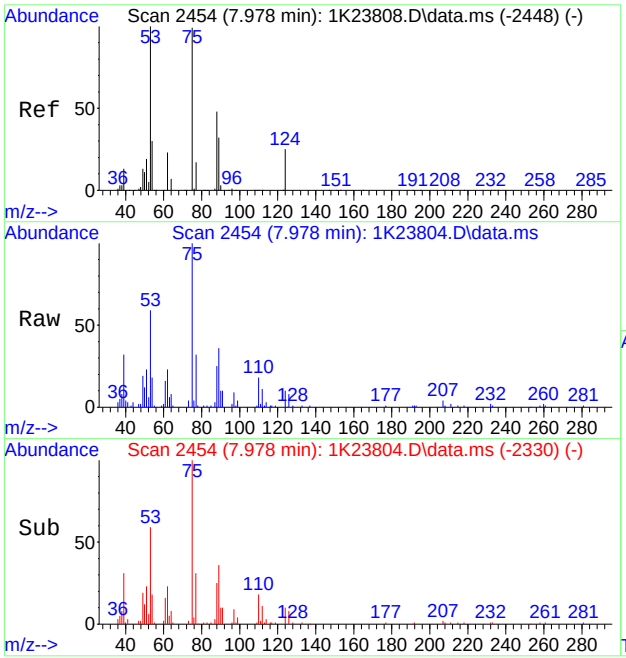


#99
1,1,2,2-tetrachloroethane
Concen: 7.91 ug/L
RT: 7.885 min Scan# 2425
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 83 Resp: 56232

Ion	Ratio	Lower	Upper
83	100		
131	9.6	0.0	40.0
85	66.3	31.1	91.1

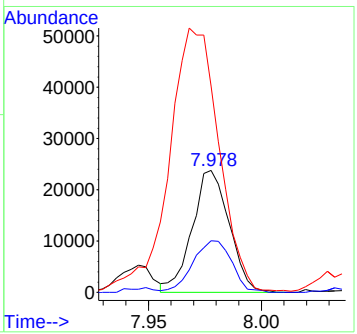


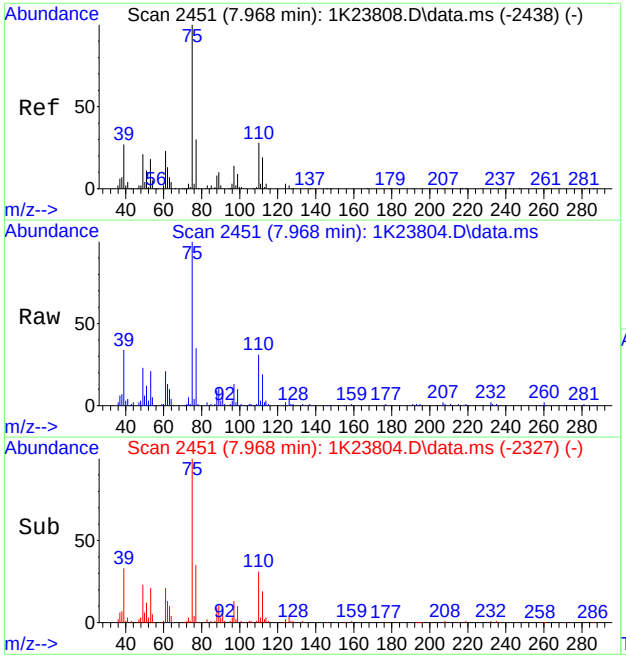


#100
trans-1,4-dichloro-2-butene
Concen: 8.65 ug/L
RT: 7.978 min Scan# 2454
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 53 Resp: 27070

Ion	Ratio	Lower	Upper
53	100		
88	42.3	17.1	77.1
75	167.7	162.2	222.2

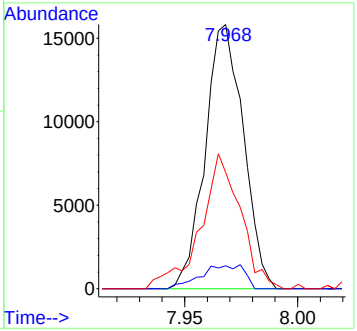


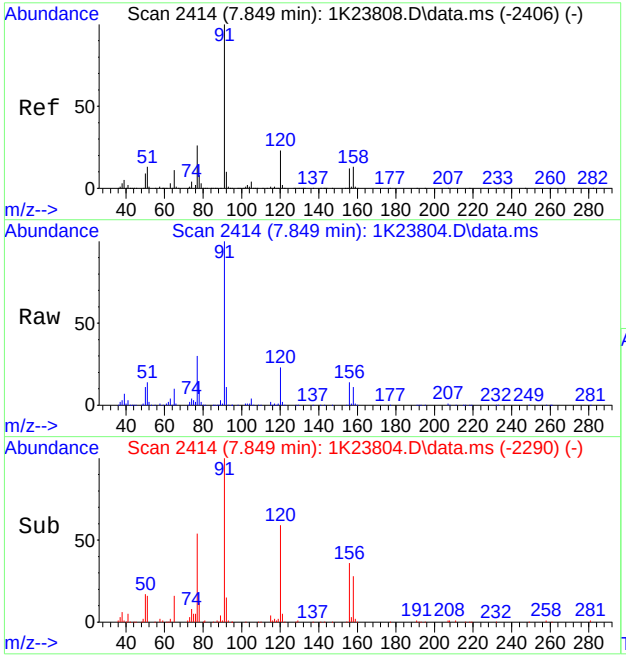


#101
1,2,3-trichloropropane
Concen: 7.85 ug/L
RT: 7.968 min Scan# 2451
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion:110 Resp: 18588

Ion	Ratio	Lower	Upper
110	100		
111	8.7	0.0	39.1
97	43.9	20.8	80.8

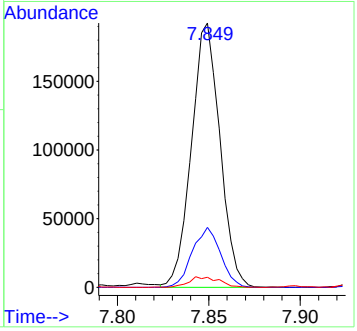


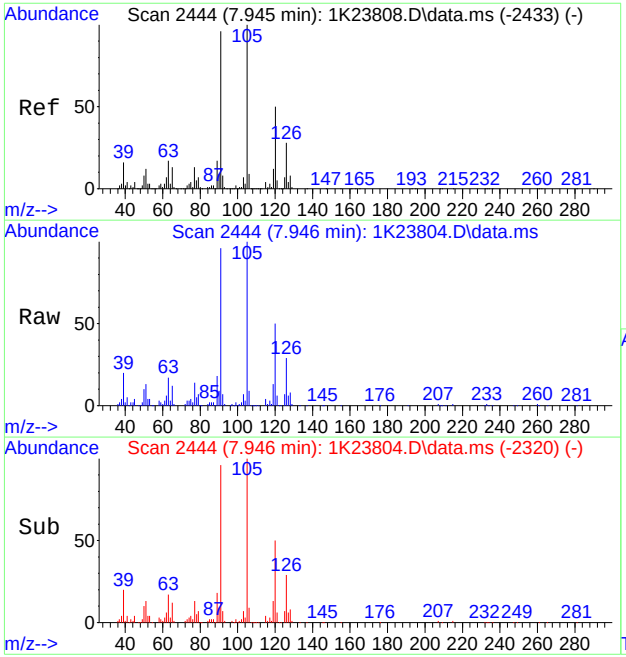


#102
n-propylbenzene
Concen: 8.07 ug/L
RT: 7.849 min Scan# 2414
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 91 Resp: 208482

Ion	Ratio	Lower	Upper
91	100		
120	22.7	0.0	52.5
105	3.7	0.0	33.5

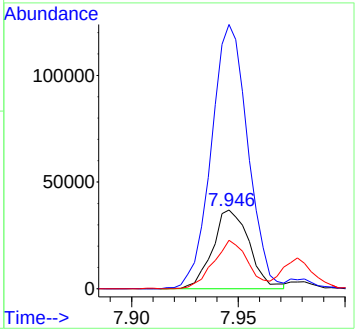


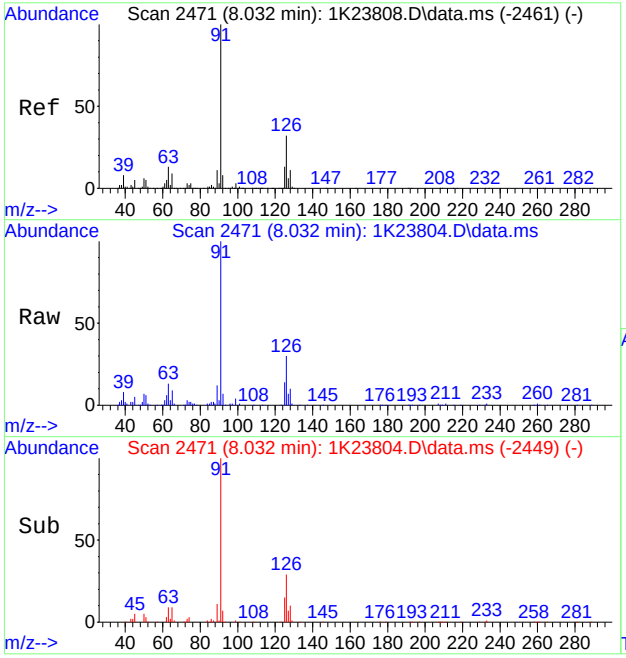


#103
2-chlorotoluene
Concen: 8.36 ug/L
RT: 7.946 min Scan# 2444
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion:126 Resp: 44327

Ion	Ratio	Lower	Upper
126	100		
91	335.5	316.4	376.4
89	61.6	33.0	93.0

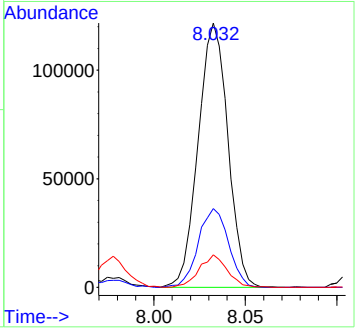


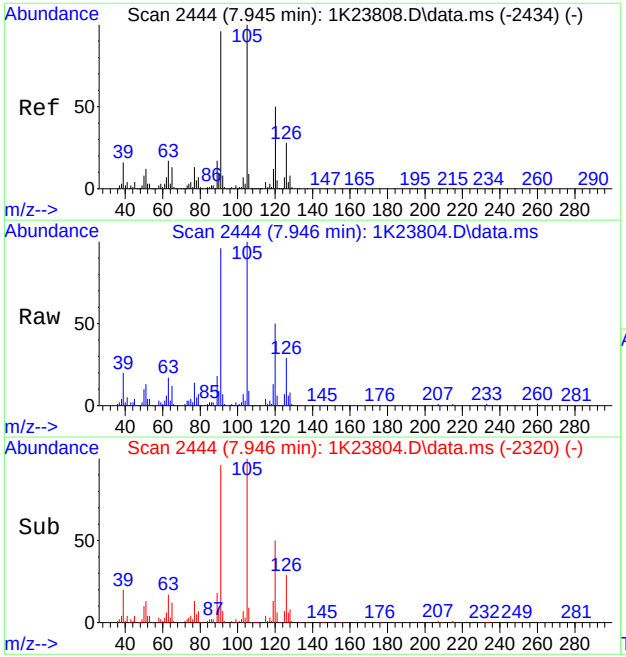


#104
4-chlorotoluene
Concen: 8.03 ug/L
RT: 8.032 min Scan# 2471
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 91 Resp: 137395

Ion	Ratio	Lower	Upper
91	100		
126	29.8	2.1	62.1
89	12.3	0.0	41.4

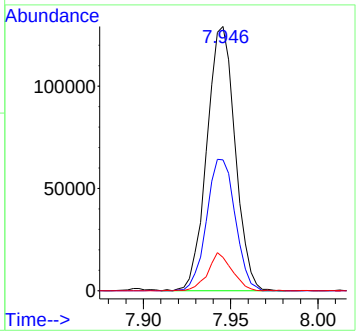


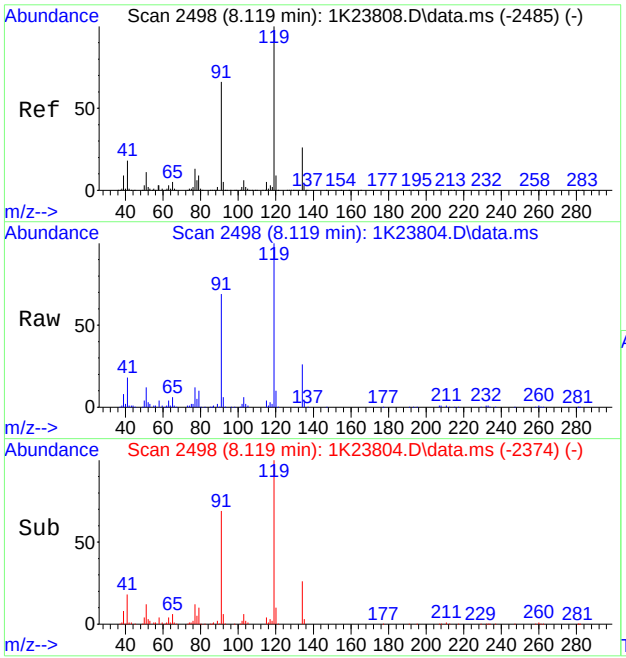


#105
1,3,5-trimethylbenzene
Concen: 8.27 ug/L
RT: 7.946 min Scan# 2444
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion:105 Resp: 145638

Ion	Ratio	Lower	Upper
105	100		
120	49.5	20.0	80.0
119	12.6	0.0	41.7

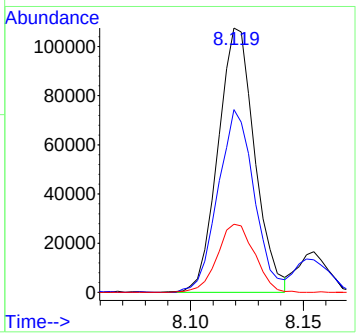


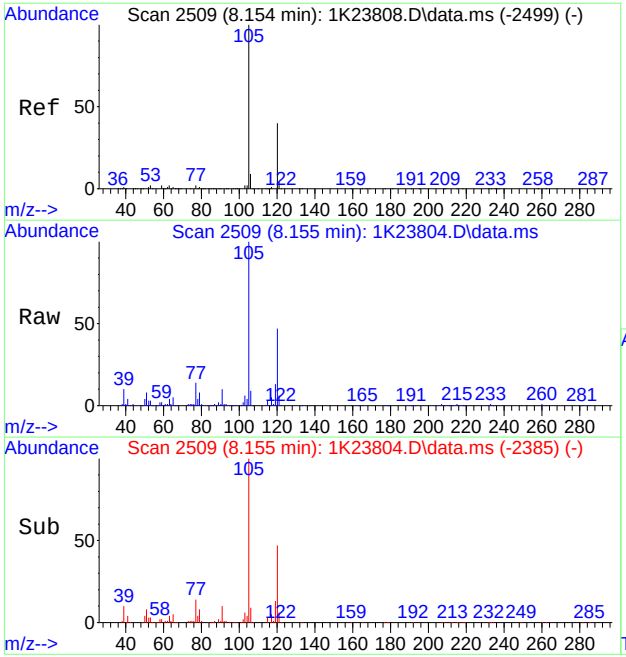


#106
tert-butylbenzene
Concen: 7.82 ug/L
RT: 8.119 min Scan# 2498
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion:119 Resp: 120903

Ion	Ratio	Lower	Upper
119	100		
91	69.1	36.3	96.3
134	25.7	0.0	56.2

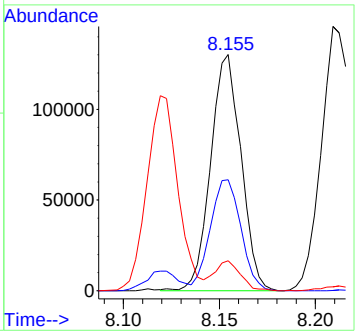


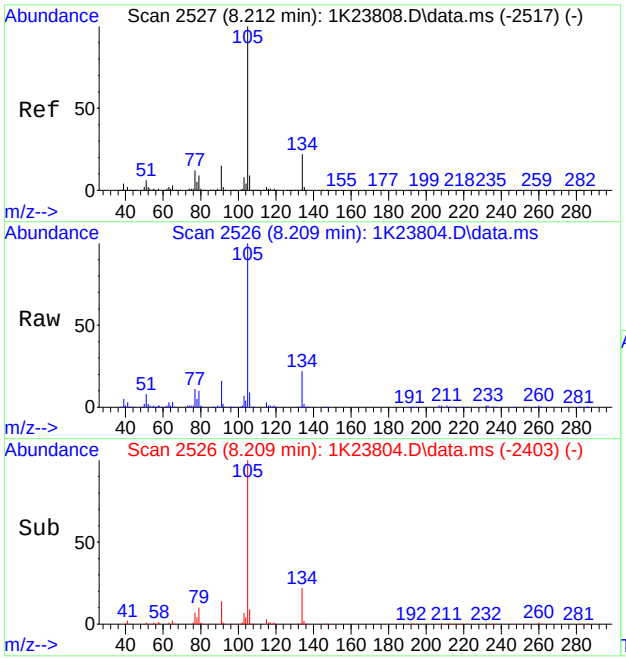


#107
1,2,4-trimethylbenzene
Concen: 7.74 ug/L
RT: 8.155 min Scan# 2509
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion:105 Resp: 143596

Ion	Ratio	Lower	Upper
105	100		
120	47.0	17.1	77.1
119	12.7	0.0	42.1

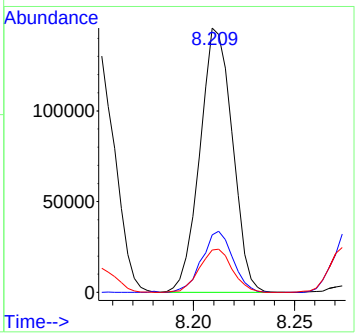


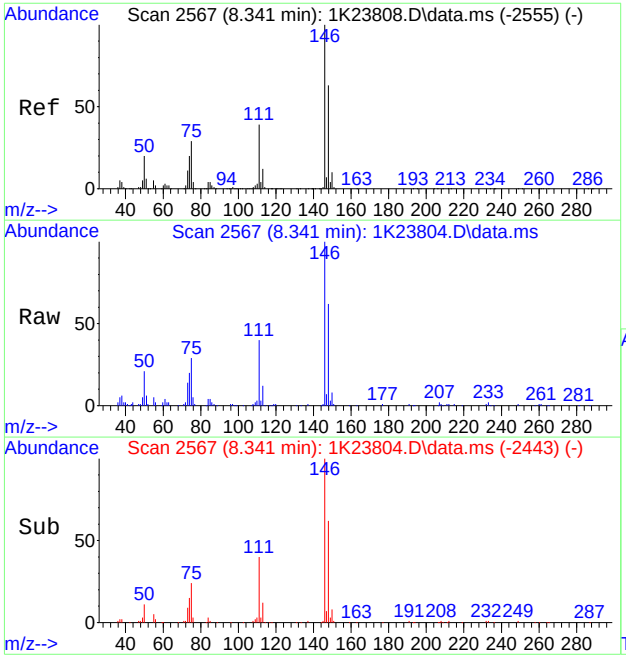


#108
sec-butylbenzene
Concen: 8.00 ug/L
RT: 8.209 min Scan# 2526
Delta R.T. -0.003 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion:105 Resp: 162906

Ion	Ratio	Lower	Upper
105	100		
134	21.7	0.0	51.5
91	16.0	0.0	45.0

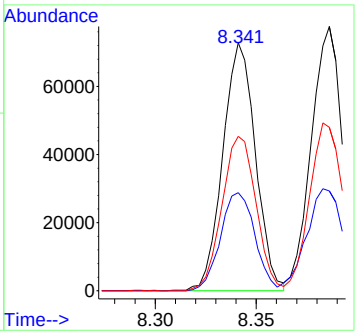


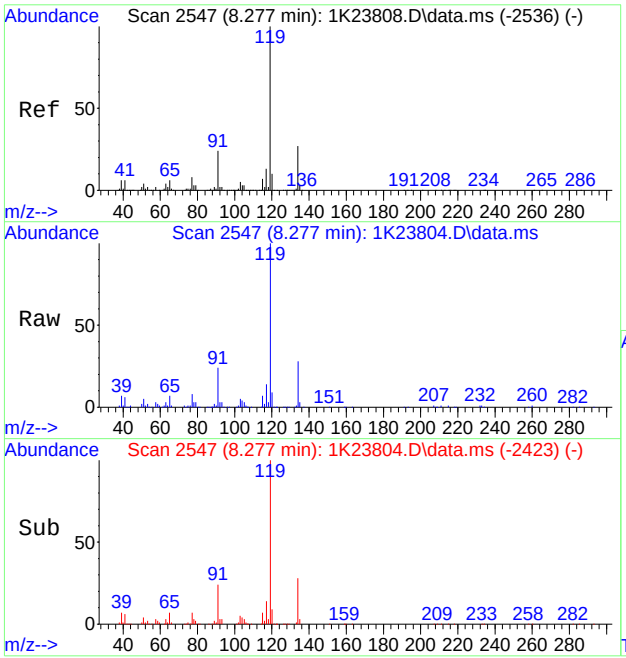


#109
1,3-dichlorobenzene
Concen: 7.95 ug/L
RT: 8.341 min Scan# 2567
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion:146 Resp: 81795

Ion	Ratio	Lower	Upper
146	100		
111	39.6	8.9	68.9
148	62.2	32.9	92.9

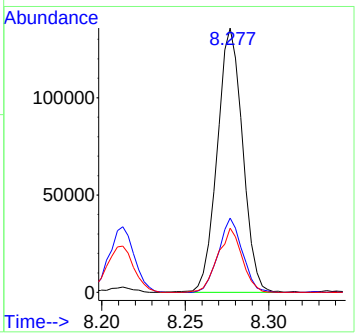


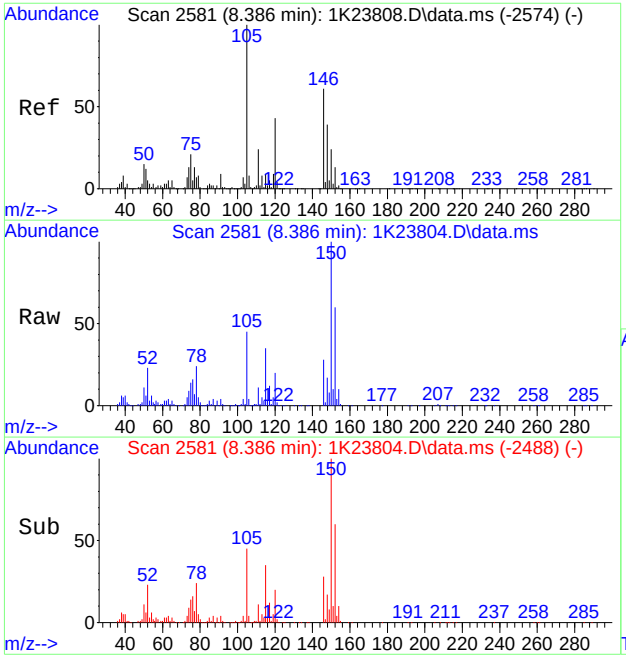


#110
p-isopropyltoluene
Concen: 8.08 ug/L
RT: 8.277 min Scan# 2547
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion:119 Resp: 143218

Ion	Ratio	Lower	Upper
119	100		
134	28.2	0.0	56.8
91	24.3	0.0	53.8

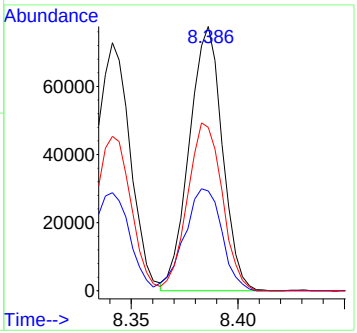


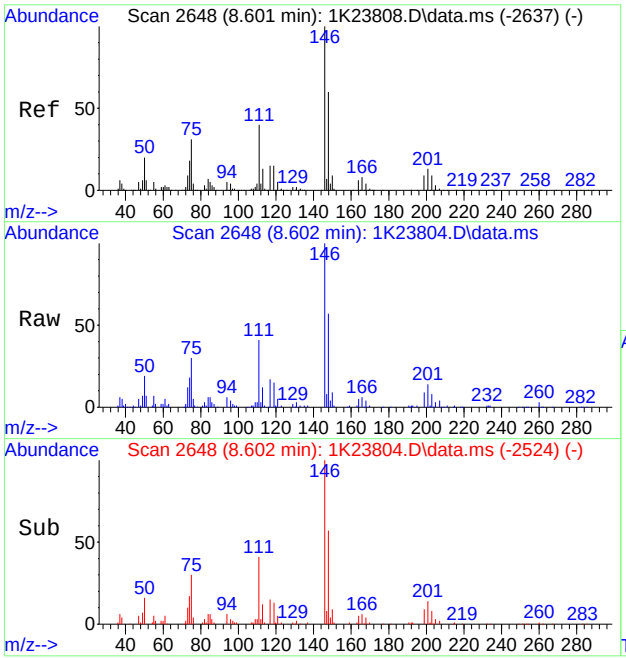


#111
1,4-dichlorobenzene
Concen: 7.76 ug/L
RT: 8.386 min Scan# 2581
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion:146 Resp: 83910

Ion	Ratio	Lower	Upper
146	100		
111	37.7	9.1	69.1
148	61.8	33.9	93.9

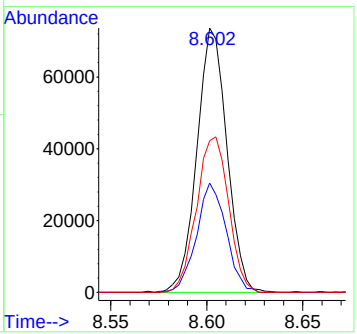


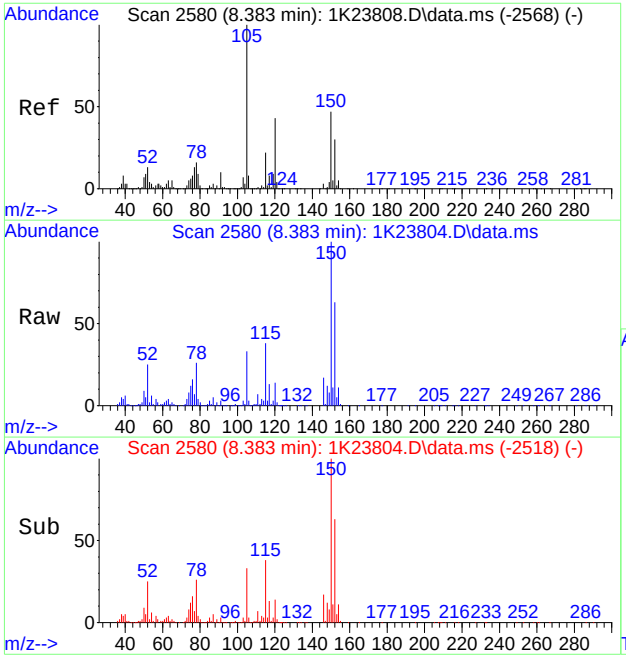


#112
1,2-dichlorobenzene
Concen: 8.21 ug/L
RT: 8.602 min Scan# 2648
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion:146 Resp: 80180

Ion	Ratio	Lower	Upper
146	100		
111	41.3	9.9	69.9
148	57.3	30.0	90.0

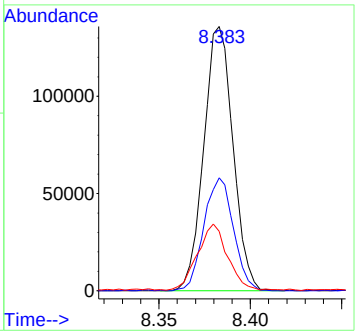


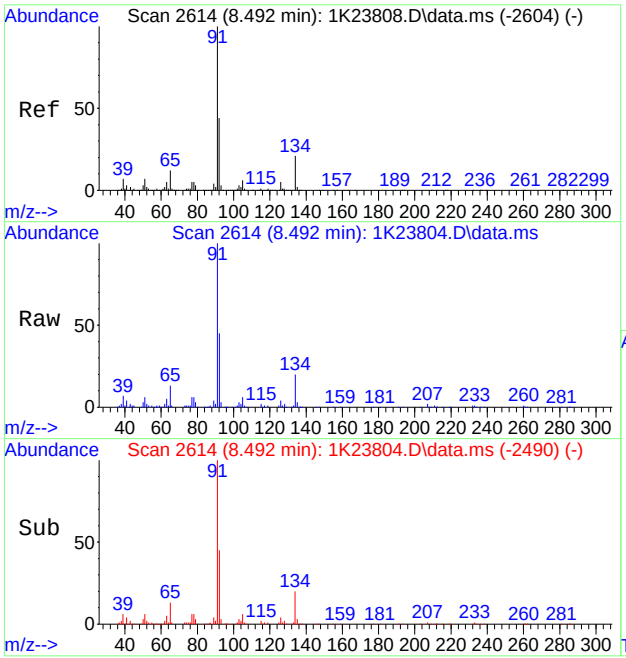


#113
1,2,3-trimethylbenzene
Concen: 7.96 ug/L
RT: 8.383 min Scan# 2580
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion:105 Resp: 152081

Ion	Ratio	Lower	Upper
105	100		
120	42.8	12.7	72.7
77	22.2	0.0	43.6

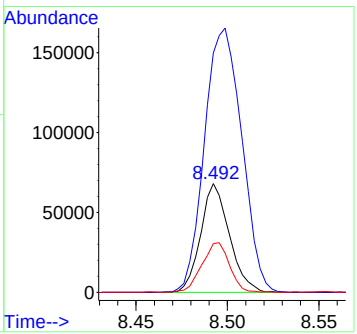


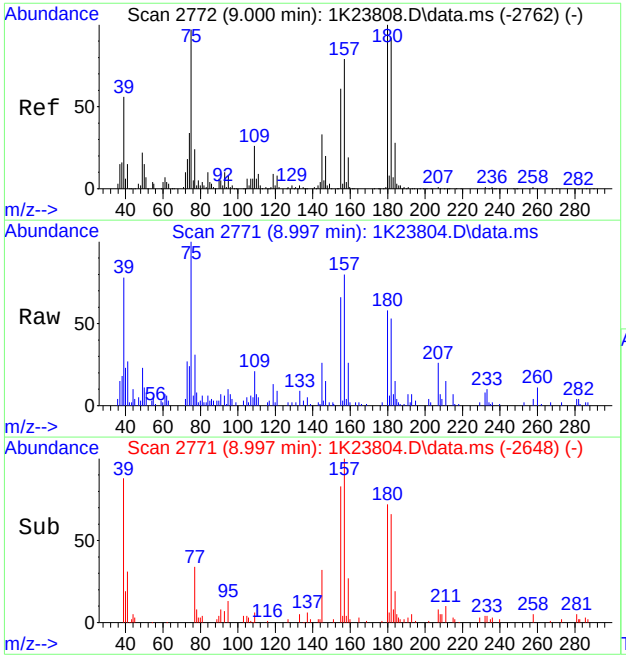


#114
n-butylbenzene
Concen: 7.77 ug/L
RT: 8.492 min Scan# 2614
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion: 92 Resp: 74491

Ion	Ratio	Lower	Upper
92	100		
91	220.0	199.3	259.3
134	44.9	17.7	77.7

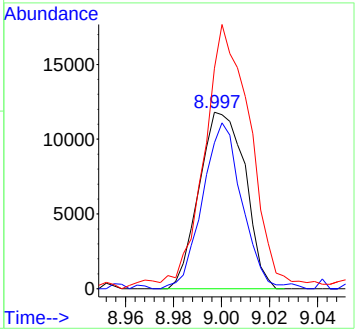


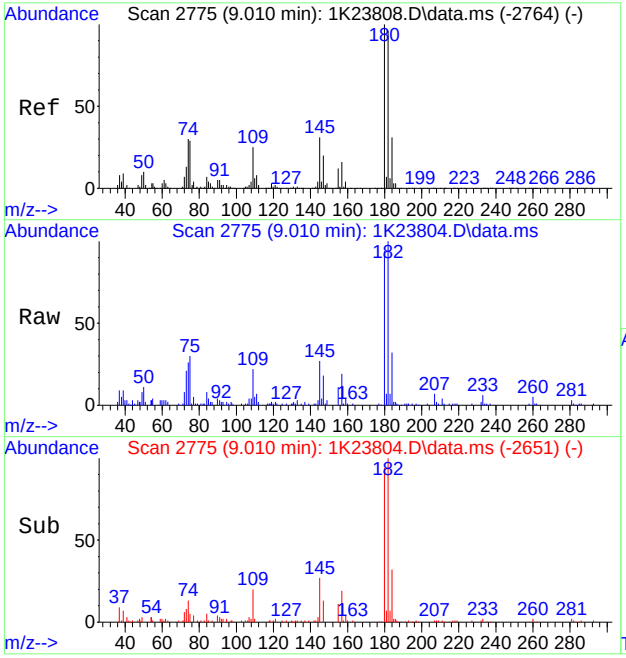


#115
1,2-dibromo-3-chloropropane
Concen: 7.89 ug/L
RT: 8.997 min Scan# 2771
Delta R.T. -0.003 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion:157 Resp: 15706

Ion	Ratio	Lower	Upper
157	100		
155	82.7	47.8	107.8
75	121.4	92.6	152.6

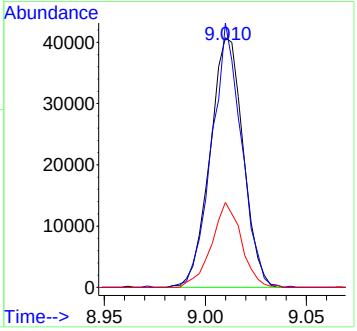


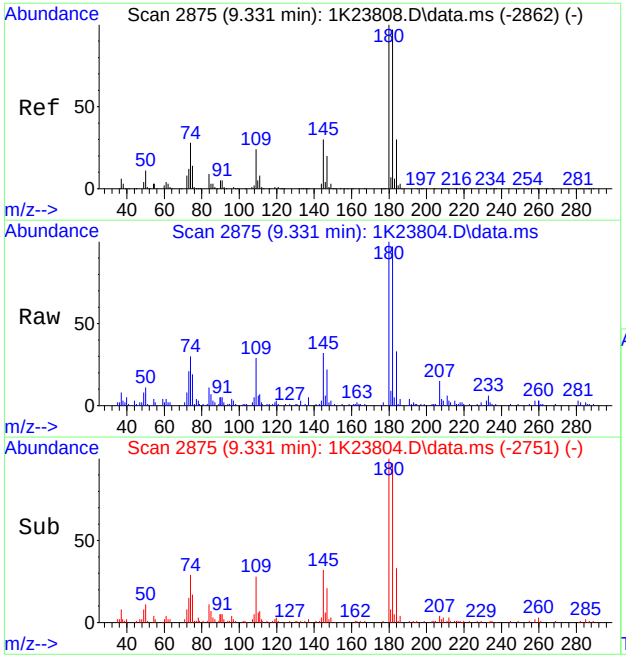


#116
1,3,5-trichlorobenzene
Concen: 7.87 ug/L
RT: 9.010 min Scan# 2775
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion:180 Resp: 46433

Ion	Ratio	Lower	Upper
180	100		
182	105.9	76.0	116.0
184	34.1	11.0	51.0

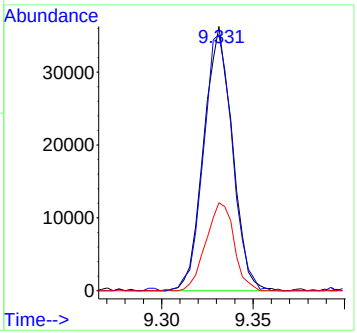


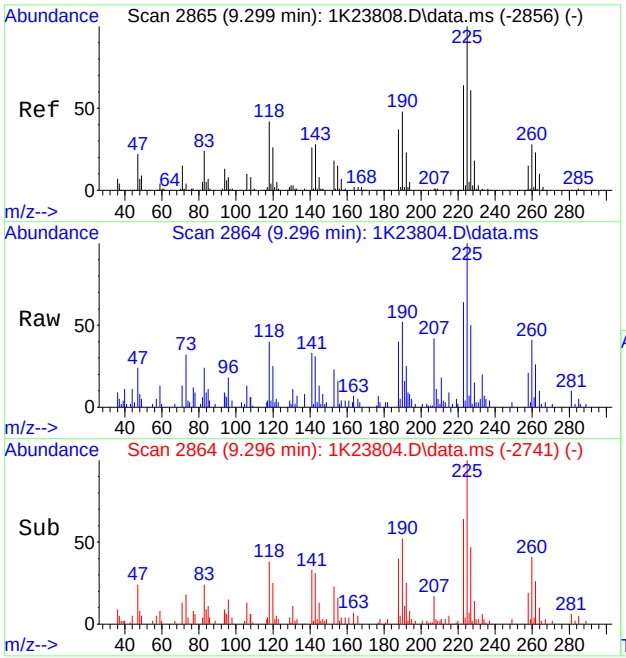


#117
1,2,4-trichlorobenzene
Concen: 7.50 ug/L
RT: 9.331 min Scan# 2875
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion:180 Resp: 39688

Ion	Ratio	Lower	Upper
180	100		
182	96.8	67.0	127.0
184	33.3	0.2	60.2

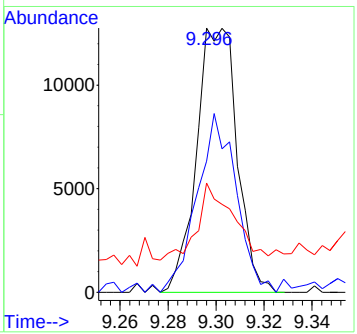


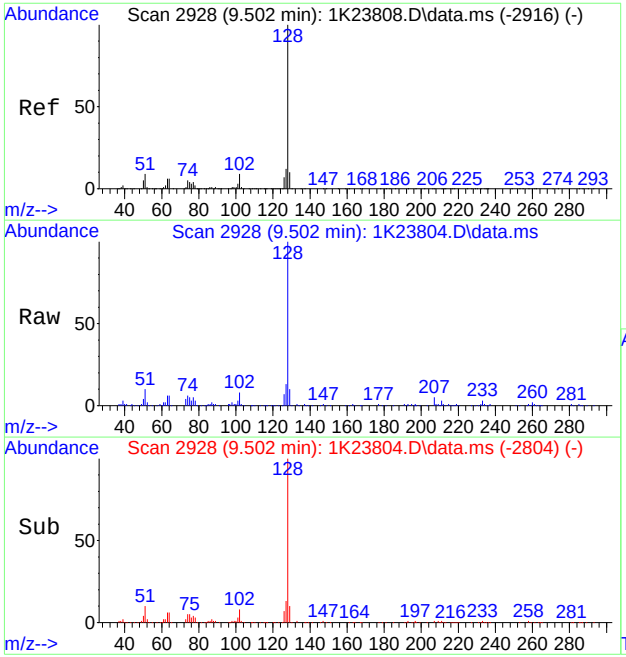


#118
hexachlorobutadiene
Concen: 8.11 ug/L
RT: 9.296 min Scan# 2864
Delta R.T. -0.003 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion:225 Resp: 15008

Ion	Ratio	Lower	Upper
225	100		
227	49.7	31.7	91.7
260	29.2	0.0	58.9

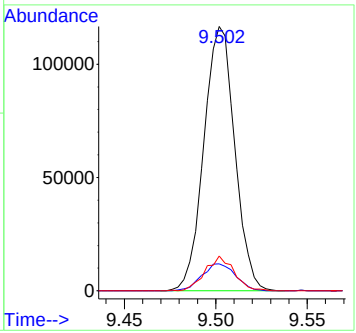


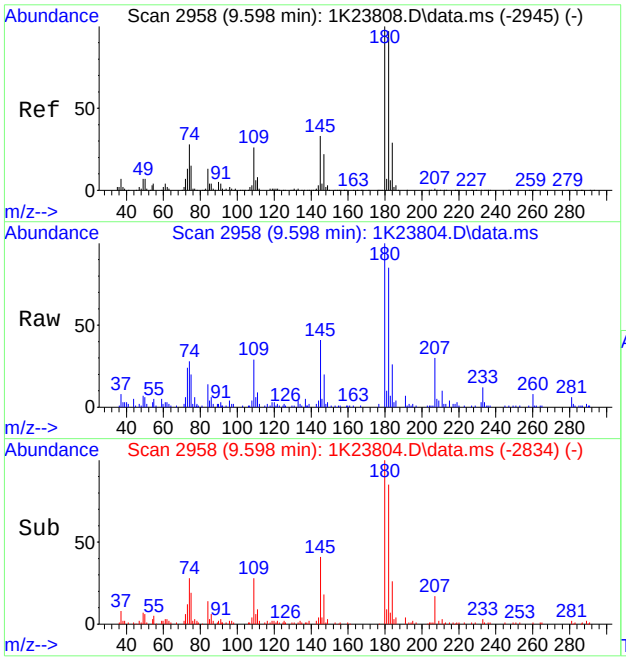


#119
naphthalene
Concen: 8.20 ug/L
RT: 9.502 min Scan# 2928
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion:128 Resp: 137203

Ion	Ratio	Lower	Upper
128	100		
129	10.2	0.0	40.4
127	13.2	0.0	42.3

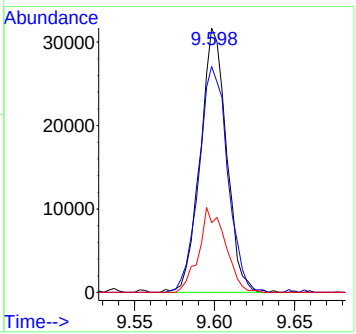


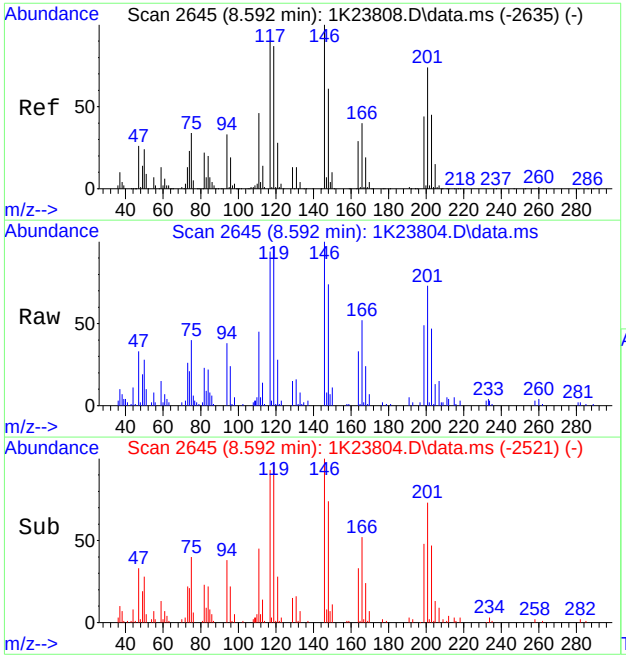


#120
1,2,3-trichlorobenzene
Concen: 7.96 ug/L
RT: 9.598 min Scan# 2958
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion:180 Resp: 36257

Ion	Ratio	Lower	Upper
180	100		
182	85.5	66.8	126.8
184	26.3	0.0	59.3

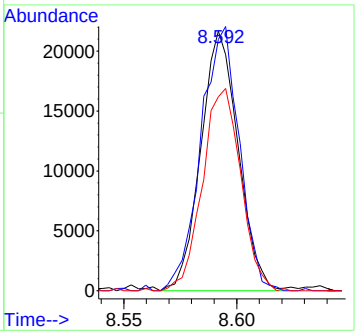


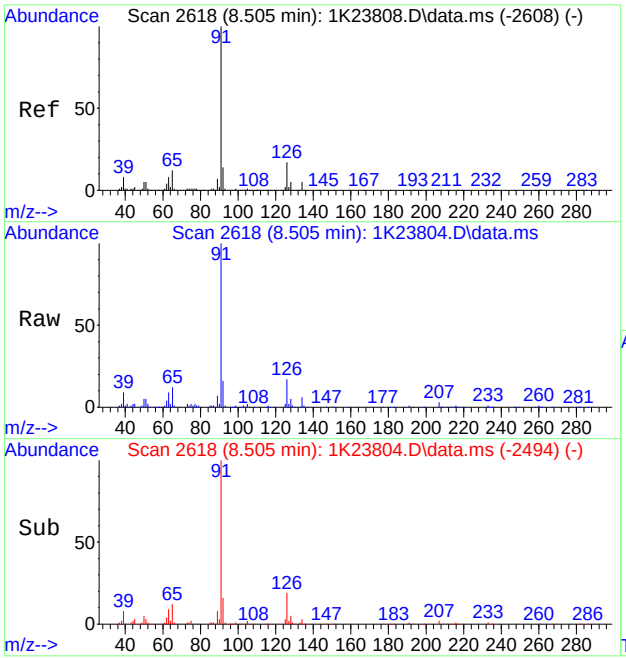


#121
hexachloroethane
Concen: 7.49 ug/L
RT: 8.592 min Scan# 2645
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion:119 Resp: 24881

Ion	Ratio	Lower	Upper
119	100		
117	96.8	74.2	134.2
201	74.6	55.5	115.5

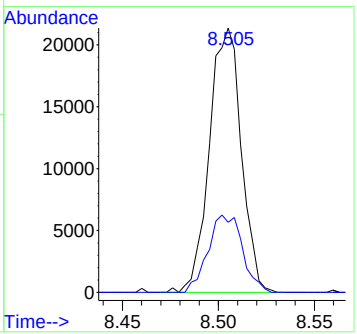


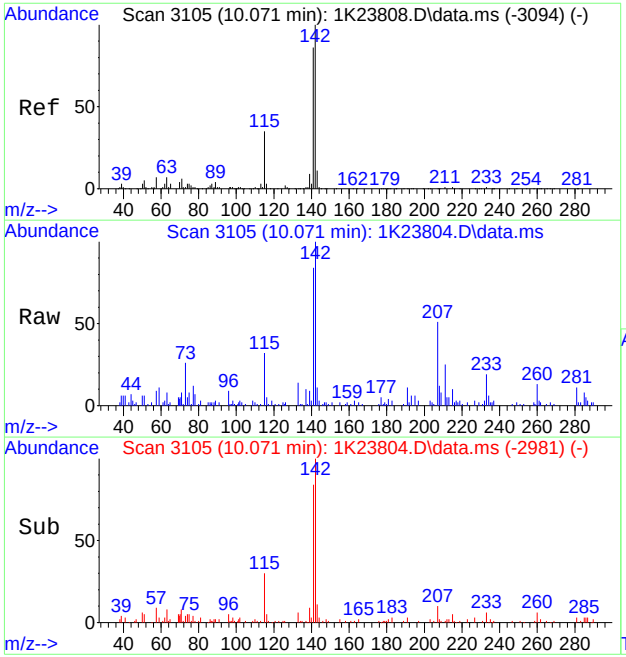


#122
benzyl chloride
Concen: 7.96 ug/L
RT: 8.505 min Scan# 2618
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion:126 Resp: 24728

Ion	Ratio	Lower	Upper
126	100		
128	26.5	0.0	59.1

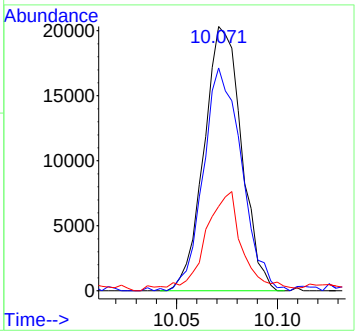




#123
2-methylnaphthalene
Concen: 3.85 ug/L
RT: 10.071 min Scan# 3105
Delta R.T. 0.000 min
Lab File: 1K23804.D
Acq: 5 Sep 2025 11:58 pm

Tgt Ion:142 Resp: 26204

Ion	Ratio	Lower	Upper
142	100		
141	83.3	56.3	116.3
115	30.3	4.7	64.7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 1K23806.D
Acq On : 6 Sep 2025 12:32 am
Operator : PrashanS
Sample : IC658-20
Misc : MS95614,V1K658,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 08 11:38:41 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 11:37:23 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	3.486	65	267998	500.00	ug/L	0.00
5) pentafluorobenzene	4.807	168	743366	50.00	ug/L	0.00
50) 1,4-difluorobenzene	5.168	114	1166929	50.00	ug/L	0.00
72) chlorobenzene-d5	7.110	117	937626	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	8.376	152	444308	50.00	ug/L	0.00
124) pentafluorobenzene(a)	4.807	168	743366	50.00	ug/L	0.00
128) 1,4-dichlorobenzene-d4(a)	8.376	152	444308	50.00	ug/L	0.00
System Monitoring Compounds						
42) dibromofluoromethane (s)	4.524	113	312956	49.50	ug/L	0.00
Spiked Amount 50.000	Range 75 - 127		Recovery = 99.00%			
51) 1,2-dichloroethane-d4 (s)	4.878	65	401723	48.74	ug/L	0.00
Spiked Amount 50.000	Range 75 - 130		Recovery = 97.48%			
73) toluene-d8 (s)	6.119	98	1321458	50.69	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.38%			
97) 4-bromofluorobenzene (s)	7.788	95	469861	49.99	ug/L	0.00
Spiked Amount 50.000	Range 79 - 127		Recovery = 99.98%			
Target Compounds						Qvalue
2) ethanol	2.817	45	76721	2161.5231	ug/L	95
3) tertiary butyl alcohol	3.537	59	63892	92.9223	ug/L	86
4) 1,4-dioxane	5.669	88	12945	501.2964	ug/L	91
6) chlorodifluoromethane	1.750	51	205576	19.0787	ug/L	99
7) dichlorodifluoromethane	1.711	85	147427	18.9917	ug/L	95
8) chloromethane	1.894	50	168714	18.8546	ug/L	99
9) vinyl chloride	1.962	62	137570	18.9169	ug/L	99
10) 1,3-butadiene	1.978	39	138129	18.0416	ug/L	94
11) bromomethane	2.248	96	39422	19.2585	ug/L #	100
12) chloroethane	2.364	64	83303	20.3450	ug/L	95
13) trichlorofluoromethane	2.480	101	200038	19.5845	ug/L	95
14) ethyl ether	2.721	74	64802	19.2903	ug/L	98
15) acrolein	3.142	56	31309	19.7044	ug/L	82
16) freon 113	2.917	151	84009	19.7438	ug/L	93
17) 1,1-dichloroethene	2.898	61	182252	18.9821	ug/L	99
18) acetone	3.348	58	53971	74.9357	ug/L	99
19) acetonitrile	3.692	41	188064	202.1715	ug/L	96
20) iodomethane	3.020	142	93904	23.6041	ug/L	97
21) carbon disulfide	2.936	76	298655	19.0754	ug/L	99
22) methylene chloride	3.332	84	100212	18.6250	ug/L	93
23) methyl acetate	3.431	74	22889	18.8921	ug/L #	83
24) methyl tert butyl ether	3.502	73	344814	19.5040	ug/L	90
25) trans-1,2-dichloroethene	3.447	96	105142	18.5084	ug/L	94
26) hexane	3.499	57	265689	18.6488	ug/L	94
27) di-isopropyl ether	3.756	45	457702	19.1857	ug/L	98
28) ethyl tert-butyl ether	4.007	59	401465	19.0622	ug/L	98
29) 2-butanone	4.589	72	69467	77.2643	ug/L	96
30) 1,1-dichloroethane	3.875	63	217654	19.4345	ug/L	98
31) chloroprene	3.856	53	240855	19.5466	ug/L	97
32) acrylonitrile	3.901	52	57365	20.7481	ug/L	97
33) vinyl acetate	4.020	86	28164	20.7443	ug/L #	88
34) ethyl acetate	4.451	70	16641	21.4744	ug/L #	76
35) 2,2-dichloropropane	4.306	77	172745	18.1921	ug/L	95
36) cis-1,2-dichloroethene	4.235	96	108149	18.7816	ug/L	96
37) propionitrile	4.795	54	240014	198.4060	ug/L	98
38) methyl acrylate	4.473	85	22274	21.2158	ug/L #	79
39) bromochloromethane	4.370	128	50197	18.9689	ug/L	98
40) tetrahydrofuran	4.508	71	18981	19.1153	ug/L #	85

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 1K23806.D
Acq On : 6 Sep 2025 12:32 am
Operator : PrashanS
Sample : IC658-20
Misc : MS95614,V1K658,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 08 11:38:41 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 11:37:23 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) chloroform	4.402	83	202115	18.2798 ug/L	98
43) methacrylonitrile	4.811	67	61229	17.8635 ug/L	87
44) 1,1,1-trichloroethane	4.557	97	176844	19.0482 ug/L	96
45) cyclohexane	4.380	84	160494	20.2710 ug/L	99
46) 1,1-dichloropropene	4.631	75	155422	19.3989 ug/L	99
47) carbon tetrachloride	4.512	117	158325	17.8794 ug/L	96
49) tert-amyl alcohol	4.939	55	27108	99.0436 ug/L	94
52) iso-octane	4.692	57	421071	18.9258 ug/L	95
53) benzene	4.795	78	426897	18.9356 ug/L	97
54) tert-amyl methyl ether	4.840	73	345515	18.5923 ug/L	98
55) heptane	4.740	57	62983	18.4600 ug/L	93
56) isopropyl acetate	5.036	87	32662	19.9581 ug/L #	69
57) 1,2-dichloroethane	4.923	62	169484	17.9726 ug/L	96
58) n-butyl alcohol	5.309	56	146525	1004.7928 ug/L	95
59) ethyl acrylate	5.470	55	219697	19.6302 ug/L	99
60) trichloroethene	5.161	130	108444	19.2789 ug/L	99
61) 2-nitropropane	6.309	41	51635	18.1975 ug/L	98
62) 2-chloroethyl vinyl ether	5.923	63	402734	102.1909 ug/L	99
63) methyl methacrylate	5.618	100	38599	19.9256 ug/L	97
64) 1,2-dichloropropane	5.508	63	118972	18.8810 ug/L	99
65) methylcyclohexane	5.164	98	76996	18.6396 ug/L	99
66) dibromomethane	5.447	93	63427	18.4642 ug/L	96
67) bromodichloromethane	5.540	83	147025	19.0061 ug/L	91
68) epichlorohydrin	6.151	57	88506	95.4454 ug/L	97
69) cis-1,3-dichloropropene	5.987	75	185135	19.9805 ug/L	98
70) 4-methyl-2-pentanone	6.383	58	279624	77.3887 ug/L	95
71) 3-methyl-1-butanol	6.216	70	62821	403.6543 ug/L	95
74) toluene	6.158	92	265349	18.6563 ug/L	99
75) ethyl methacrylate	6.492	69	163206	19.9232 ug/L	97
76) trans-1,3-dichloropropene	6.422	75	178264	19.5717 ug/L	99
77) 1,1,2-trichloroethane	6.531	83	80930	20.6583 ug/L	98
78) tetrachloroethene	6.418	166	105916	19.2087 ug/L	95
79) 2-hexanone	6.907	58	294736	79.0378 ug/L	98
80) 1,3-dichloropropane	6.708	76	173418	19.5235 ug/L	99
81) butyl acetate	6.833	56	120557	19.9070 ug/L	98
82) dibromochloromethane	6.650	129	107304	19.0144 ug/L	98
83) 1,2-dibromoethane	6.814	107	101618	20.4388 ug/L	97
84) n-butyl ether	7.013	57	587977	19.9189 ug/L	99
85) chlorobenzene	7.119	112	276078	18.7521 ug/L	98
86) 1,1,1,2-tetrachloroethane	7.151	131	105094	19.5661 ug/L	97
87) ethylbenzene	7.119	91	508017	18.7358 ug/L	96
88) m,p-xylene	7.203	106	387522	38.3557 ug/L	97
89) o-xylene	7.454	106	188315	19.5700 ug/L	99
90) styrene	7.483	104	312469	19.3083 ug/L	99
91) bromoform	7.511	173	82368	20.8893 ug/L	94
92) butyl acrylate	7.521	55	315763	20.2314 ug/L	97
93) isopropylbenzene	7.624	105	468779	19.7471 ug/L	97
94) n-amyl acetate	7.659	70	101630	19.7006 ug/L	92
95) cis-1,4-dichloro-2-butene	7.814	88	86680	25.6103 ug/L	95
98) bromobenzene	7.859	156	115974	19.5843 ug/L	93
99) 1,1,2,2-tetrachloroethane	7.884	83	140667	18.9361 ug/L	98
100) trans-1,4-dichloro-2-b...	7.978	53	67376	20.2831 ug/L	90
101) 1,2,3-trichloropropane	7.968	110	49069	19.8546 ug/L	94
102) n-propylbenzene	7.849	91	539109	19.8971 ug/L	99
103) 2-chlorotoluene	7.949	126	108378	19.3758 ug/L #	87
104) 4-chlorotoluene	8.032	91	350137	19.5353 ug/L	97
105) 1,3,5-trimethylbenzene	7.942	105	368649	19.8826 ug/L	100
106) tert-butylbenzene	8.119	119	308044	19.0962 ug/L	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 1K23806.D
Acq On : 6 Sep 2025 12:32 am
Operator : PrashanS
Sample : IC658-20
Misc : MS95614,V1K658,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 08 11:38:41 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 11:37:23 2025
Response via : Initial Calibration

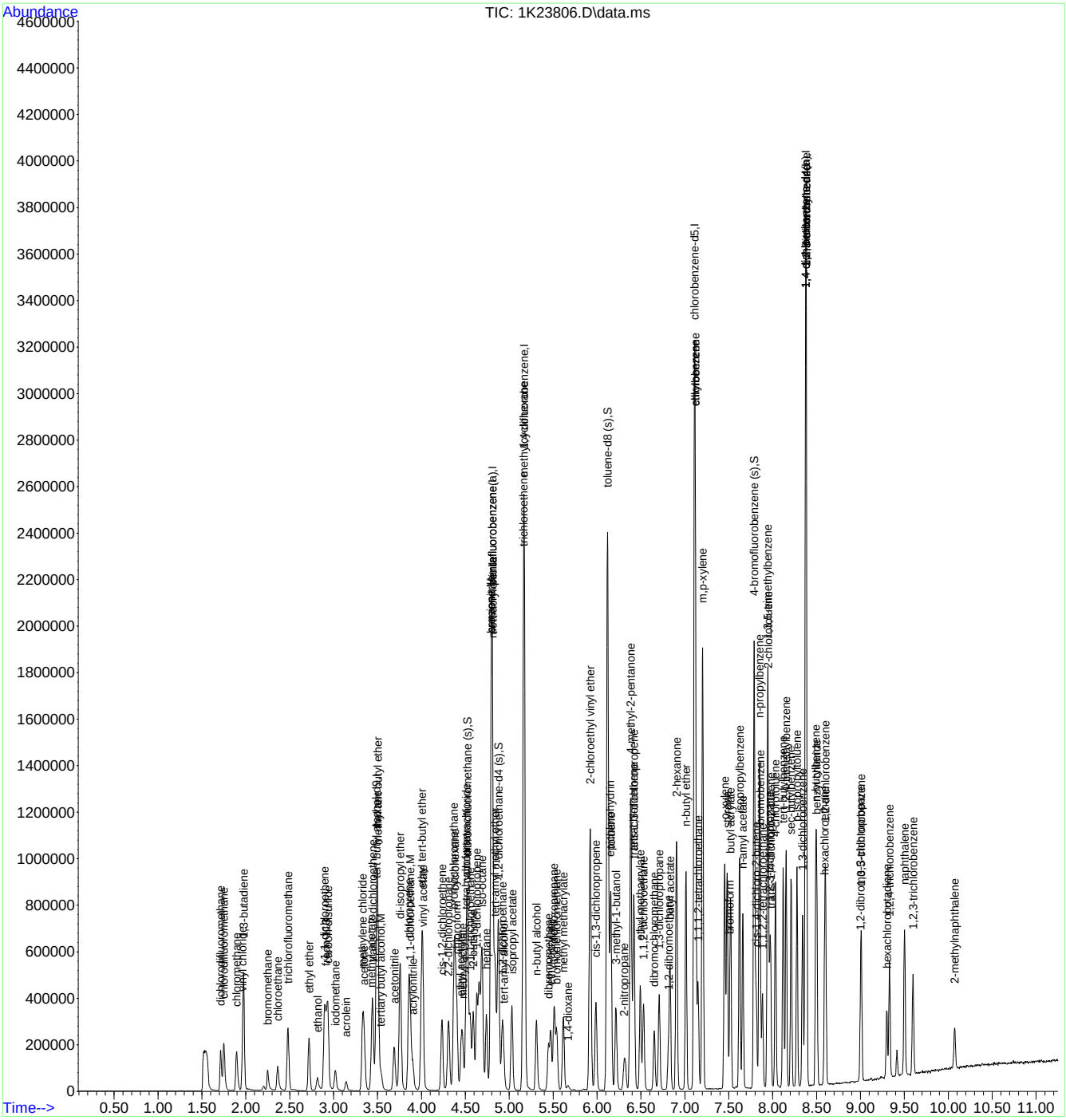
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
107) 1,2,4-trimethylbenzene	8.151	105	374994	19.3847	ug/L	97
108) sec-butylbenzene	8.209	105	425425	19.9422	ug/L	97
109) 1,3-dichlorobenzene	8.341	146	211559	19.6594	ug/L	98
110) p-isopropyltoluene	8.277	119	365282	19.6423	ug/L	99
111) 1,4-dichlorobenzene	8.383	146	214325	19.0226	ug/L	99
112) 1,2-dichlorobenzene	8.601	146	204945	19.9527	ug/L	93
113) 1,2,3-trimethylbenzene	8.383	105	390009	19.5074	ug/L	97
114) n-butylbenzene	8.492	92	190996	19.1009	ug/L	96
115) 1,2-dibromo-3-chloropr...	9.000	157	40540	19.4922	ug/L	95
116) 1,3,5-trichlorobenzene	9.007	180	114912	18.6494	ug/L	95
117) 1,2,4-trichlorobenzene	9.331	180	103879	18.9487	ug/L	99
118) hexachlorobutadiene	9.302	225	37507	19.2830	ug/L	94
119) naphthalene	9.502	128	352147	20.0165	ug/L	98
120) 1,2,3-trichlorobenzene	9.598	180	95170	19.9717	ug/L	95
121) hexachloroethane	8.592	119	63973	18.6239	ug/L	97
122) benzyl chloride	8.502	126	67055	20.6265	ug/L	100
123) 2-methylnaphthalene	10.071	142	67461	9.5346	ug/L	96

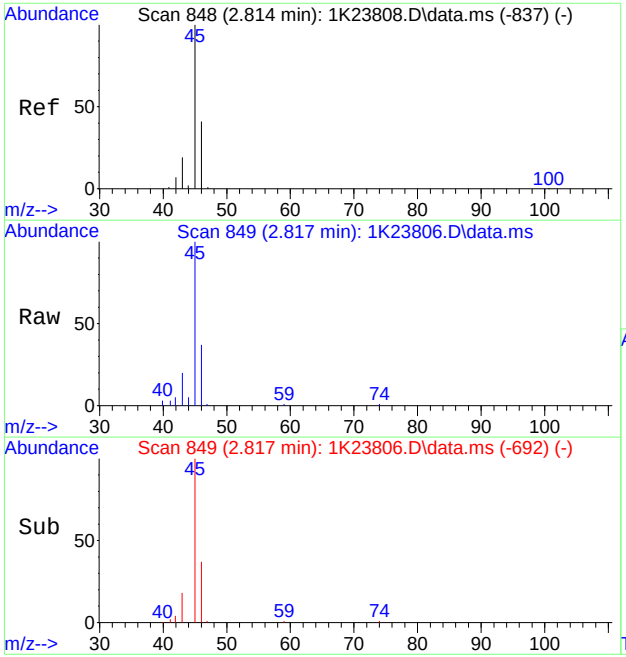
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 1K23806.D
Acq On : 6 Sep 2025 12:32 am
Operator : PrashanS
Sample : IC658-20
Misc : MS95614,V1K658,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 08 11:38:41 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 11:37:23 2025
Response via : Initial Calibration

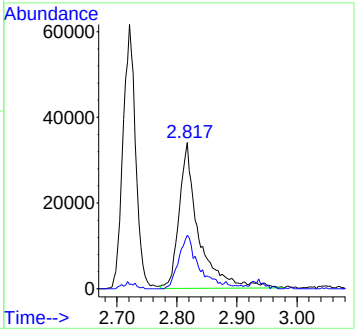


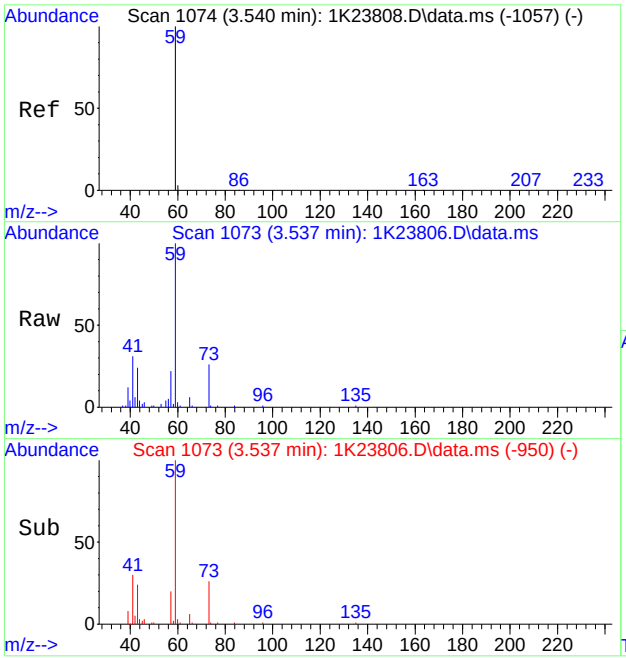


#2
ethanol
Concen: 2161.52 ug/L
RT: 2.817 min Scan# 849
Delta R.T. 0.003 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 45 Resp: 76721

Ion	Ratio	Lower	Upper
45	100		
46	36.9	20.3	60.3

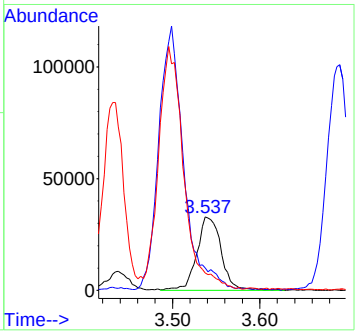


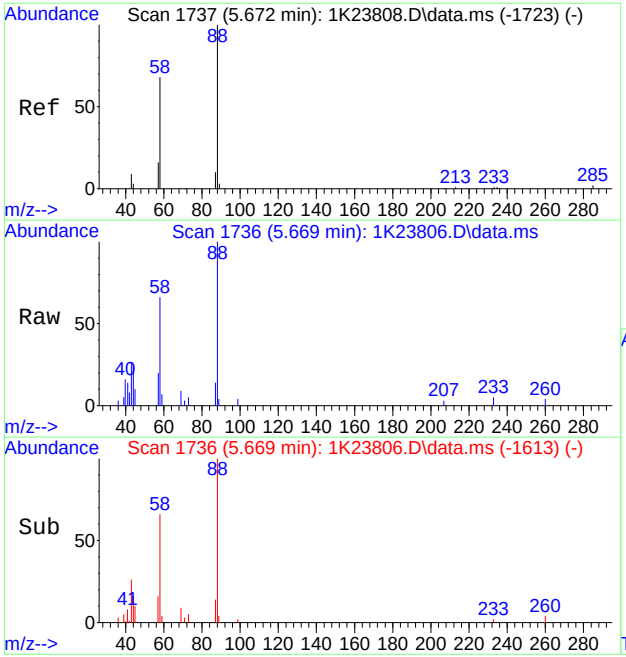


#3
tertiary butyl alcohol
Concen: 92.92 ug/L
RT: 3.537 min Scan# 1073
Delta R.T. -0.003 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 59 Resp: 63892

Ion	Ratio	Lower	Upper
59	100		
41	28.6	0.0	46.0
43	22.1	0.0	51.1

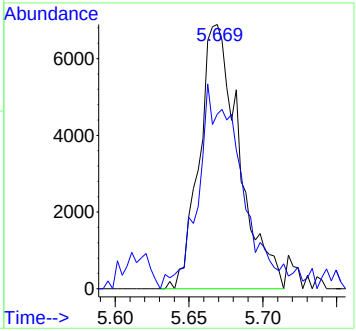


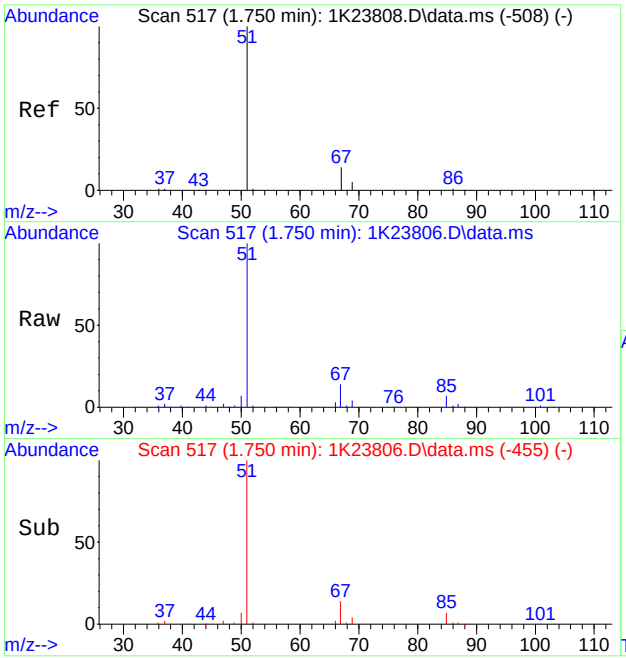


#4
1,4-dioxane
Concen: 501.30 ug/L
RT: 5.669 min Scan# 1736
Delta R.T. -0.003 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 88 Resp: 12945

Ion	Ratio	Lower	Upper
88	100		
58	66.0	53.2	93.2

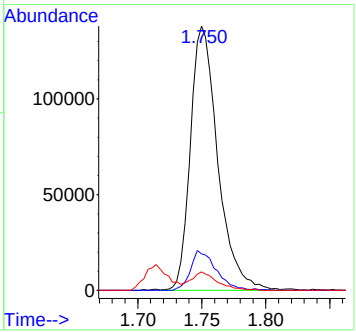


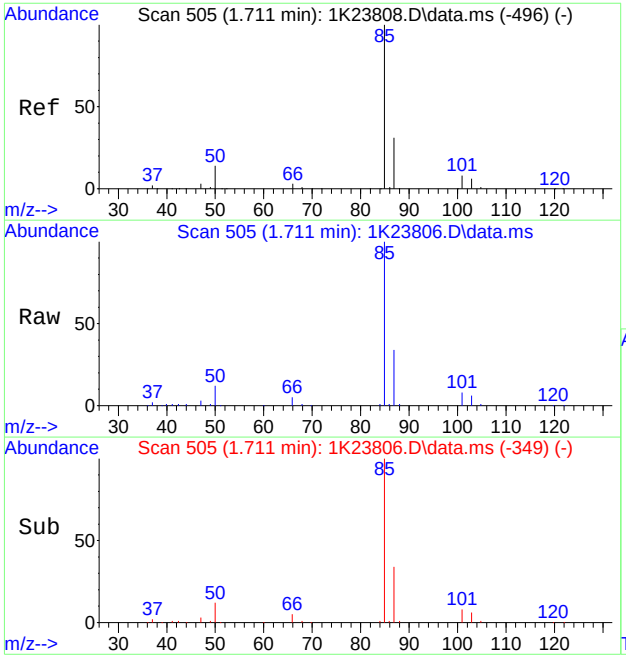


#6
chlorodifluoromethane
Concen: 19.08 ug/L
RT: 1.750 min Scan# 517
Delta R.T. 0.000 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 51 Resp: 205576

Ion	Ratio	Lower	Upper
51	100		
67	13.9	0.0	44.3
50	7.1	0.0	36.5

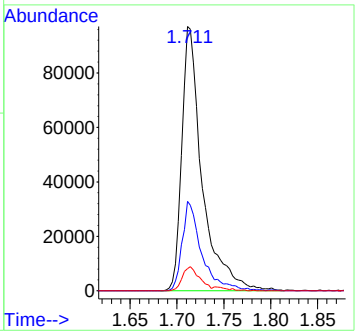


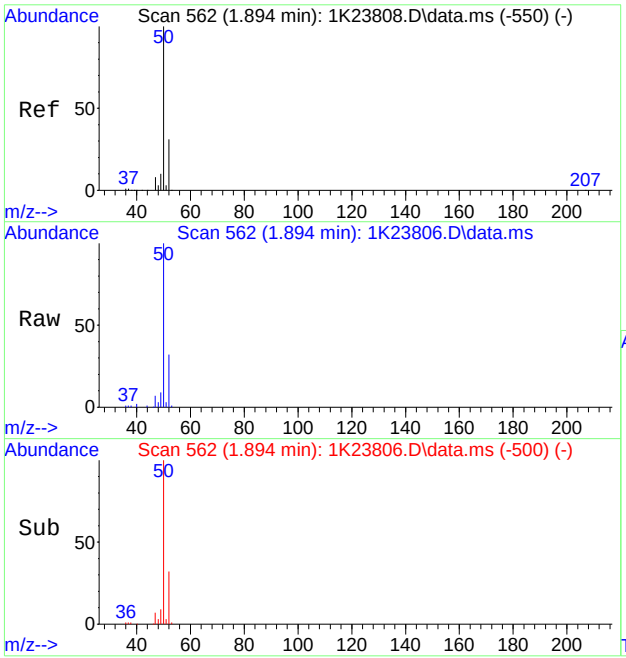


#7
dichlorodifluoromethane
Concen: 18.99 ug/L
RT: 1.711 min Scan# 505
Delta R.T. 0.000 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 85 Resp: 147427

Ion	Ratio	Lower	Upper
85	100		
87	33.9	0.7	60.7
101	8.4	0.0	38.3

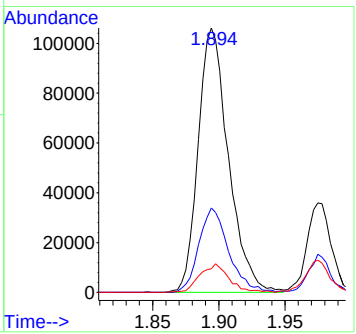


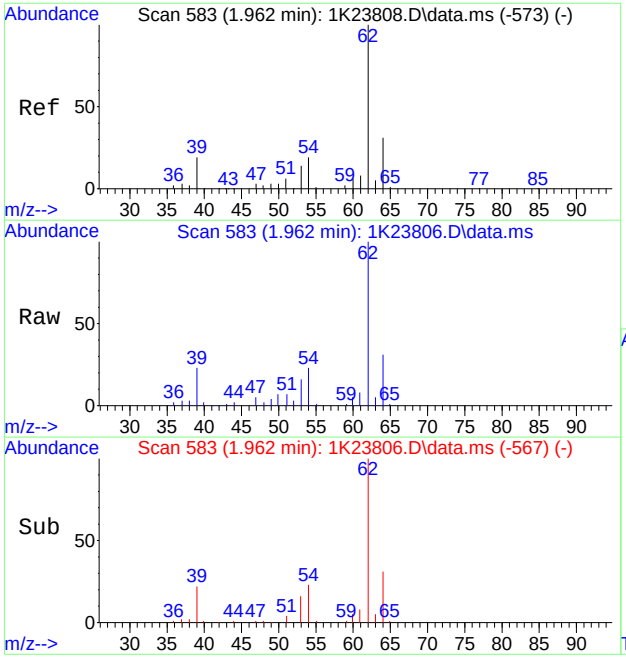


#8
chloromethane
Concen: 18.85 ug/L
RT: 1.894 min Scan# 562
Delta R.T. 0.000 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 50 Resp: 168714

Ion	Ratio	Lower	Upper
50	100		
52	31.9	1.4	61.4
49	8.9	0.0	40.1

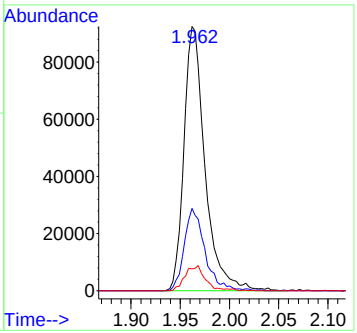


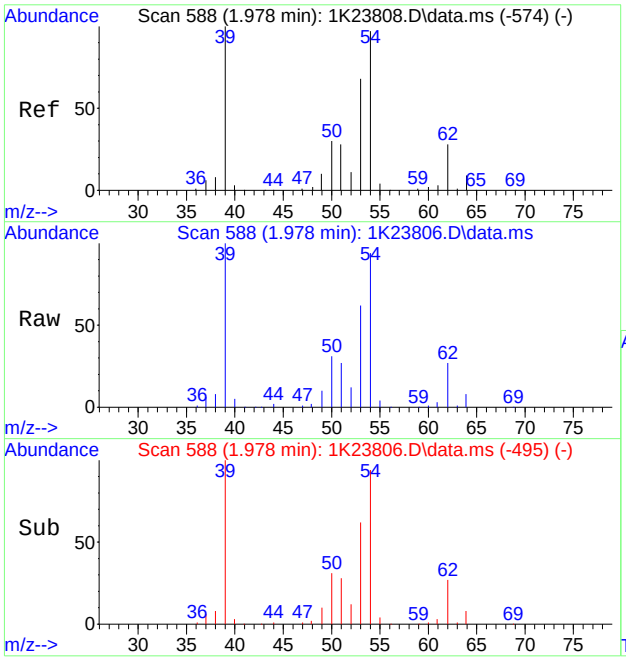


#9
vinyl chloride
Concen: 18.92 ug/L
RT: 1.962 min Scan# 583
Delta R.T. 0.000 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 62 Resp: 137570

Ion	Ratio	Lower	Upper
62	100		
64	31.2	0.6	60.6
61	8.2	0.0	38.4

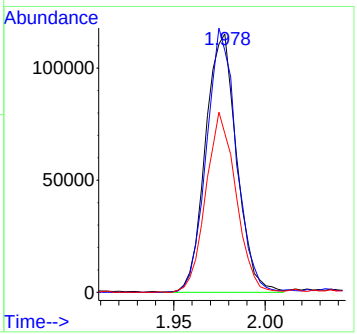


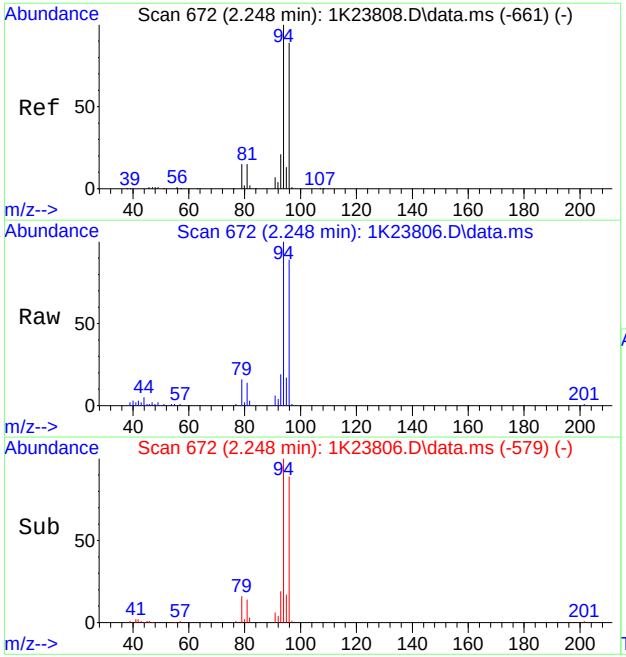


#10
1,3-butadiene
Concen: 18.04 ug/L
RT: 1.978 min Scan# 588
Delta R.T. 0.000 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 39 Resp: 138129

Ion	Ratio	Lower	Upper
39	100		
54	93.6	67.0	127.0
53	61.2	38.5	98.5

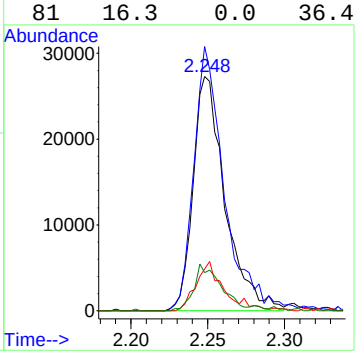


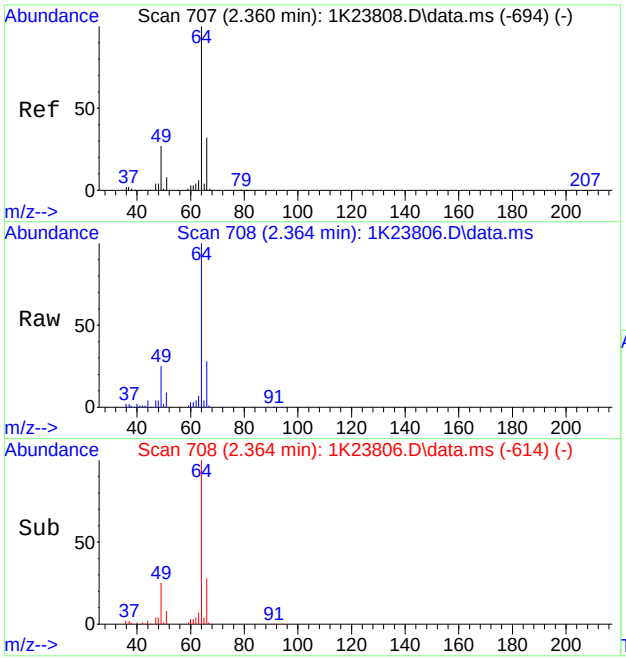


#11
bromomethane
Concen: 19.26 ug/L
RT: 2.248 min Scan# 672
Delta R.T. 0.000 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 96 Resp: 39422

Ion	Ratio	Lower	Upper
96	100		
94	112.8	82.9	142.9
79	17.8	17.4	17.4#
81	16.3	0.0	36.4

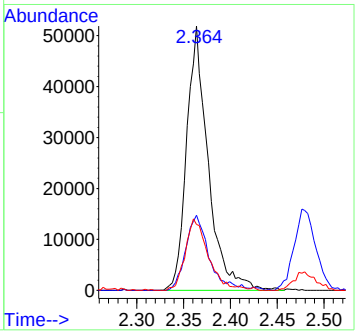


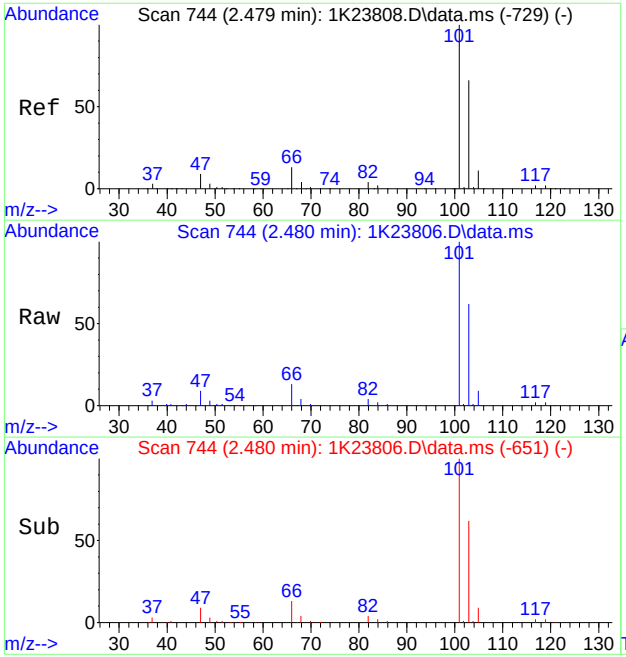


#12
chloroethane
Concen: 20.35 ug/L
RT: 2.364 min Scan# 708
Delta R.T. 0.003 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 64 Resp: 83303

Ion	Ratio	Lower	Upper
64	100		
66	28.4	1.6	61.6
49	25.0	0.0	57.3

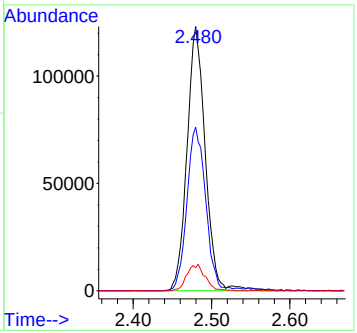


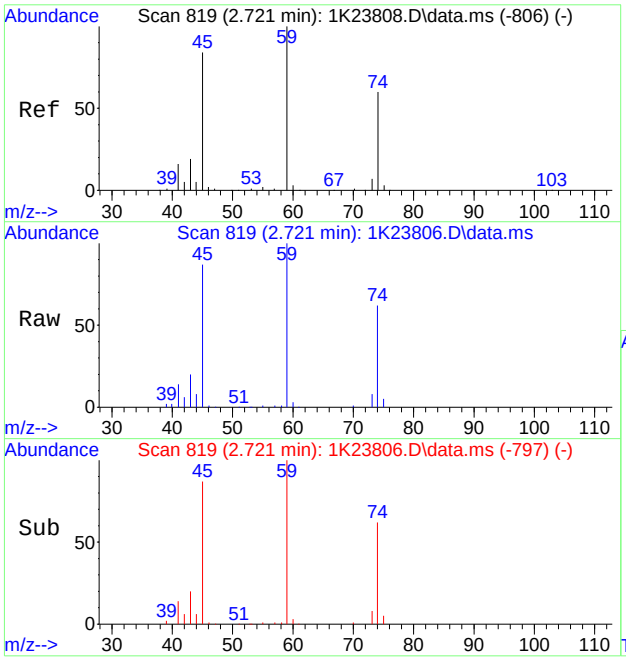


#13
trichlorofluoromethane
Concen: 19.58 ug/L
RT: 2.480 min Scan# 744
Delta R.T. 0.000 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion:101 Resp: 200038

Ion	Ratio	Lower	Upper
101	100		
103	61.9	35.9	95.9
105	8.7	0.0	40.9

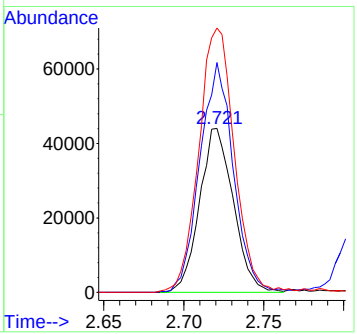


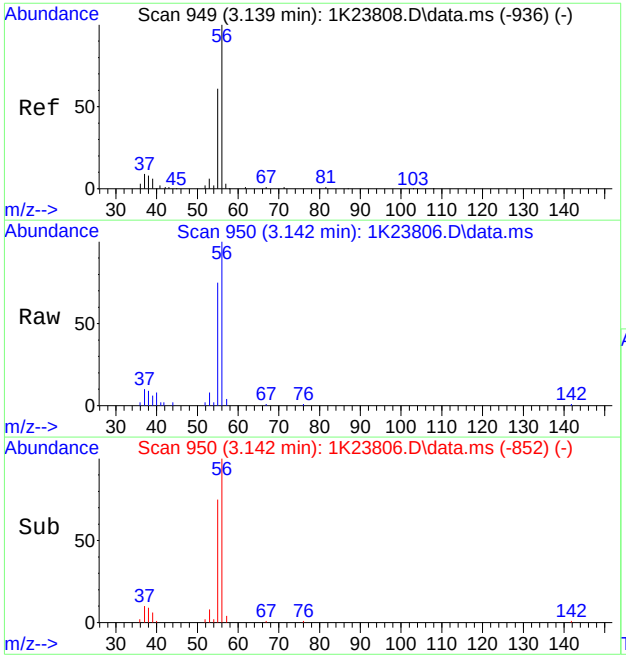


#14
ethyl ether
Concen: 19.29 ug/L
RT: 2.721 min Scan# 819
Delta R.T. 0.000 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 74 Resp: 64802

Ion	Ratio	Lower	Upper
74	100		
45	139.4	108.3	168.3
59	160.3	135.3	195.3

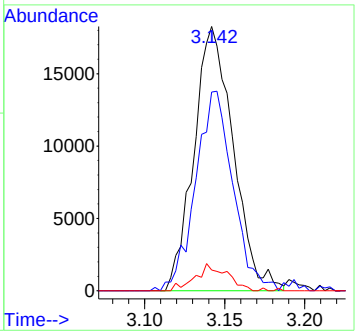


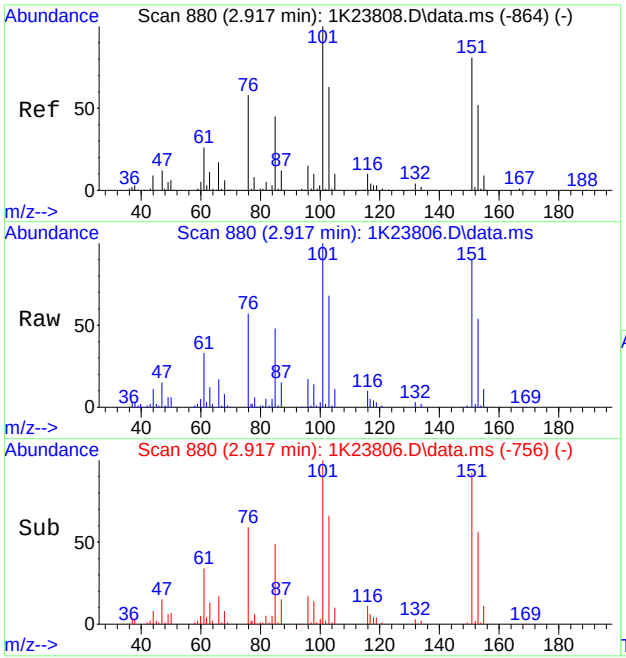


#15
acrolein
Concen: 19.70 ug/L
RT: 3.142 min Scan# 950
Delta R.T. 0.003 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 56 Resp: 31309

Ion	Ratio	Lower	Upper
56	100		
55	75.1	30.8	90.8
53	7.9	0.0	35.9

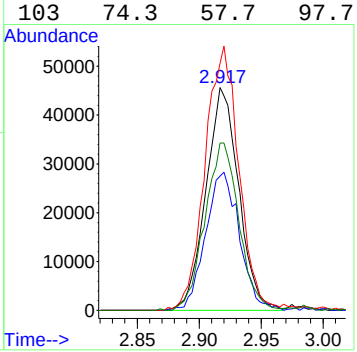


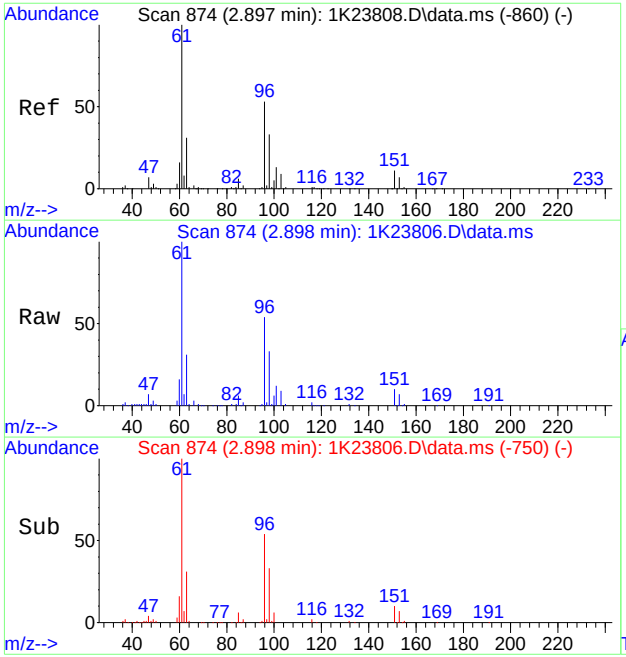


#16
freon 113
Concen: 19.74 ug/L
RT: 2.917 min Scan# 880
Delta R.T. 0.000 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion:151 Resp: 84009

Ion	Ratio	Lower	Upper
151	100		
153	60.2	44.4	84.4
101	110.8	102.8	142.8
103	74.3	57.7	97.7

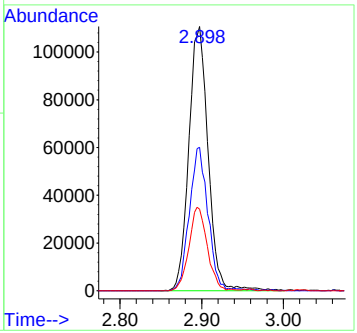


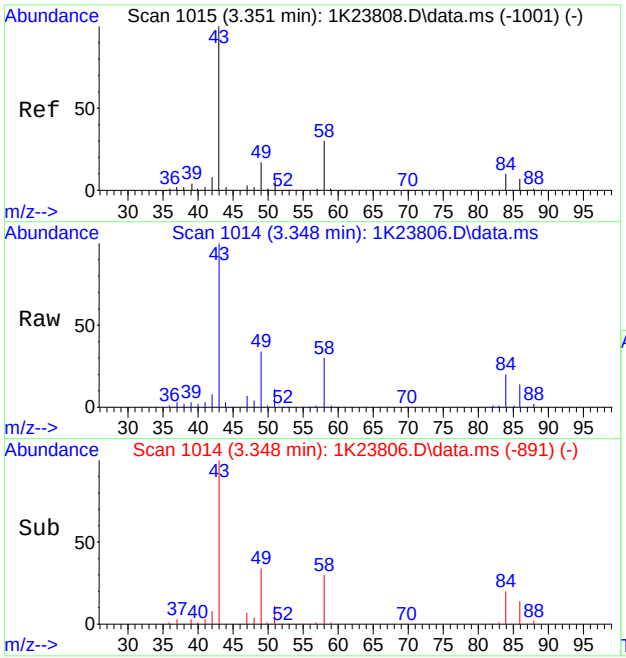


#17
1,1-dichloroethene
Concen: 18.98 ug/L
RT: 2.898 min Scan# 874
Delta R.T. 0.000 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 61 Resp: 182252

Ion	Ratio	Lower	Upper
61	100		
96	54.3	23.2	83.2
63	30.8	1.0	61.0

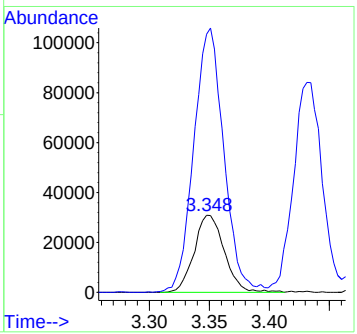


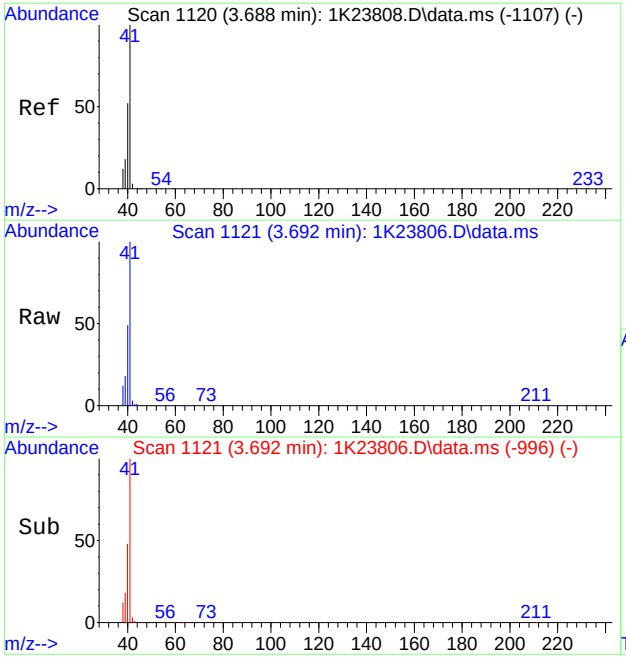


#18
acetone
Concen: 74.94 ug/L
RT: 3.348 min Scan# 1014
Delta R.T. -0.003 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 58 Resp: 53971

Ion	Ratio	Lower	Upper
58	100		
43	333.4	300.4	360.4

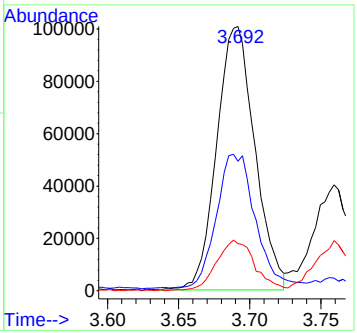


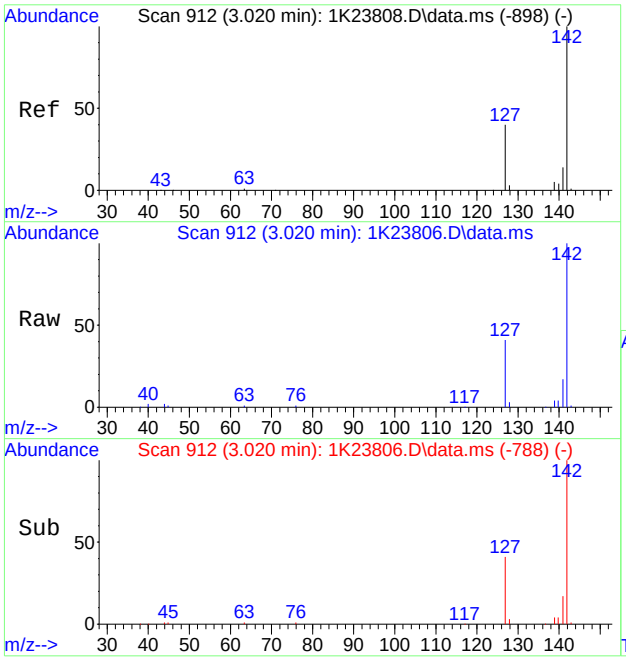


#19
acetonitrile
Concen: 202.17 ug/L
RT: 3.692 min Scan# 1121
Delta R.T. 0.003 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 41 Resp: 188064

Ion	Ratio	Lower	Upper
41	100		
40	48.0	21.7	81.7
39	17.5	0.0	47.9

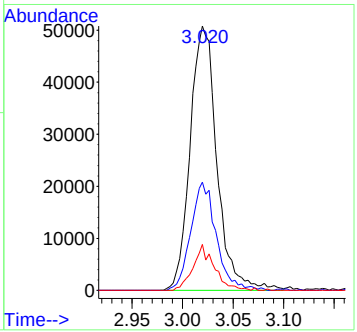


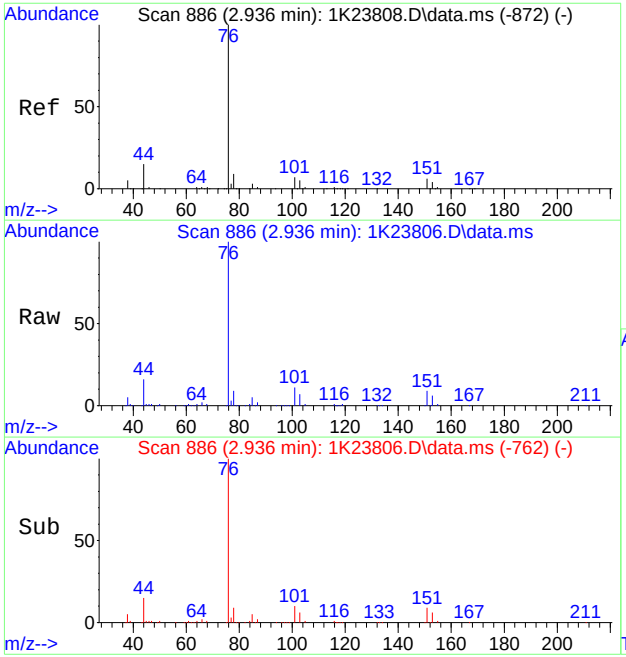


#20
iodomethane
Concen: 23.60 ug/L
RT: 3.020 min Scan# 912
Delta R.T. 0.000 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion:142 Resp: 93904

Ion	Ratio	Lower	Upper
142	100		
127	40.9	9.9	69.9
141	17.4	0.0	44.3

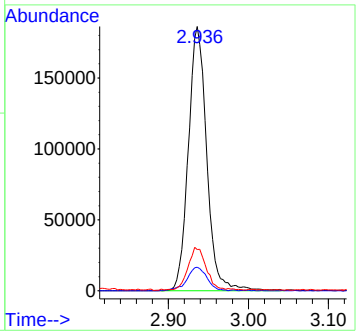


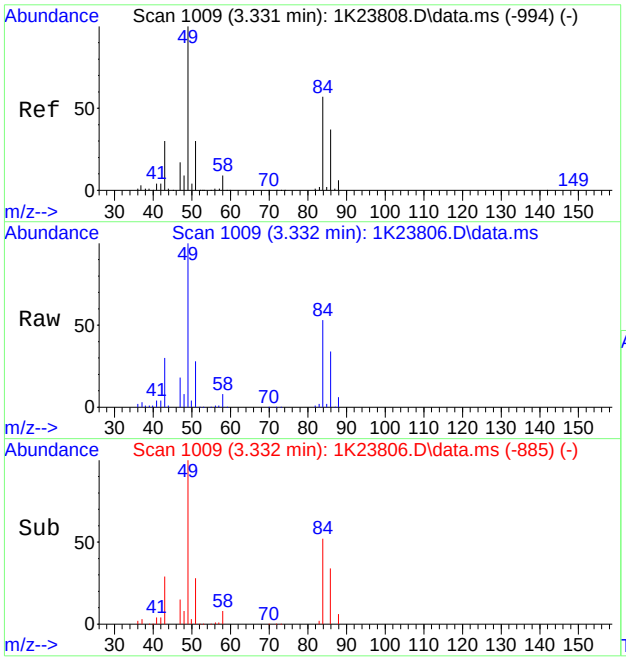


#21
carbon disulfide
Concen: 19.08 ug/L
RT: 2.936 min Scan# 886
Delta R.T. 0.000 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 76 Resp: 298655

Ion	Ratio	Lower	Upper
76	100		
78	8.9	0.0	39.5
44	15.4	0.0	44.8

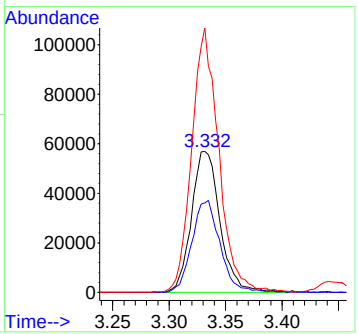


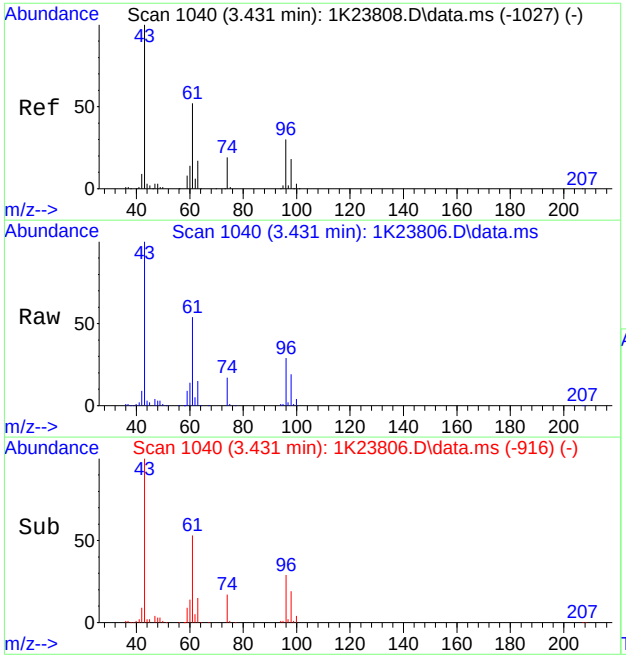


#22
methylene chloride
Concen: 18.63 ug/L
RT: 3.332 min Scan# 1009
Delta R.T. 0.000 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 84 Resp: 100212

Ion	Ratio	Lower	Upper
84	100		
86	63.5	35.3	95.3
49	187.0	144.8	204.8

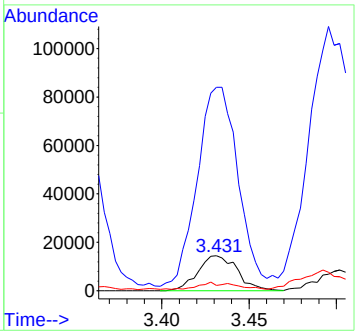


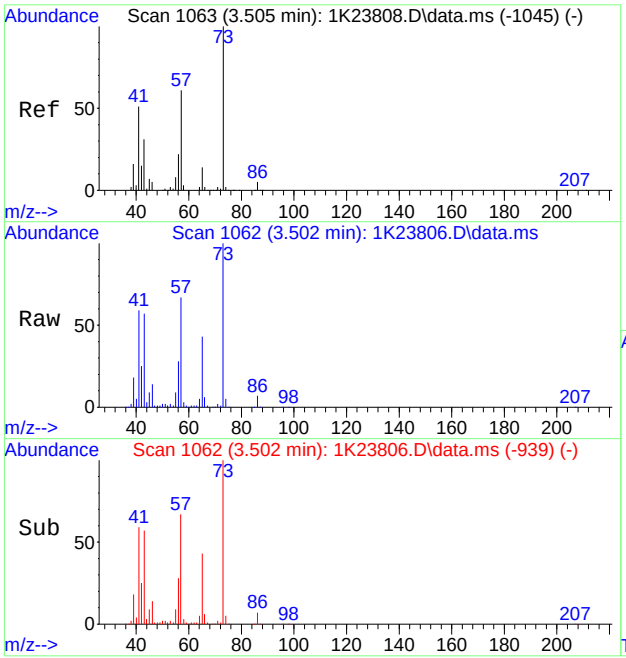


#23
methyl acetate
Concen: 18.89 ug/L
RT: 3.431 min Scan# 1040
Delta R.T. 0.000 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 74 Resp: 22889

Ion	Ratio	Lower	Upper
74	100		
43	569.4	491.2	551.2#
44	10.8	0.0	44.3

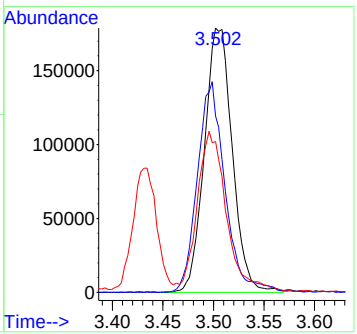


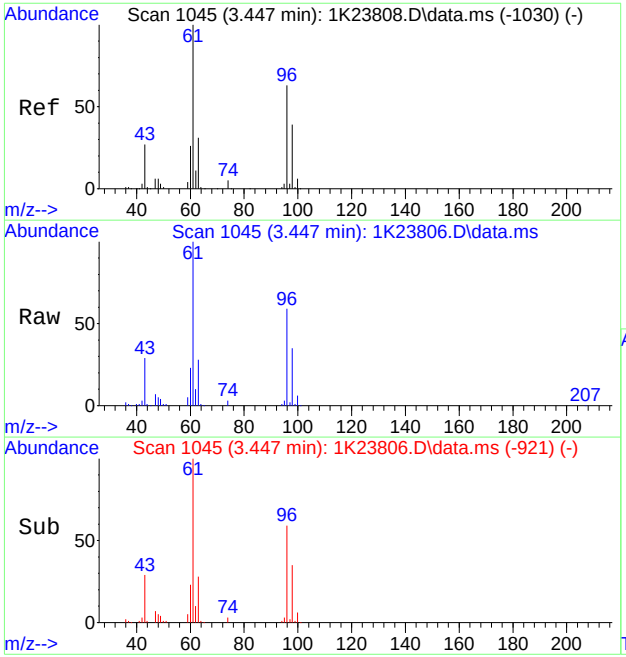


#24
methyl tert butyl ether
Concen: 19.50 ug/L
RT: 3.502 min Scan# 1062
Delta R.T. -0.003 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 73 Resp: 344814

Ion	Ratio	Lower	Upper
73	100		
57	66.7	30.7	90.7
43	56.3	18.2	78.2

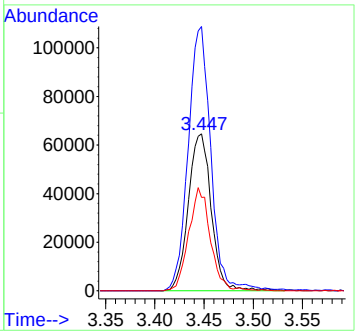


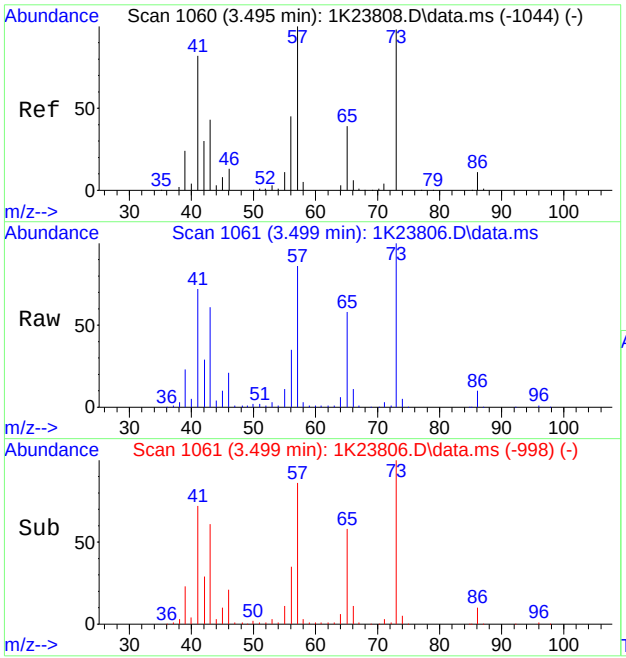


#25
trans-1,2-dichloroethene
Concen: 18.51 ug/L
RT: 3.447 min Scan# 1045
Delta R.T. 0.000 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 96 Resp: 105142

Ion	Ratio	Lower	Upper
96	100		
61	168.3	128.8	188.8
98	59.4	32.4	92.4

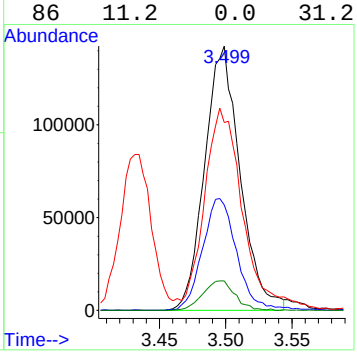


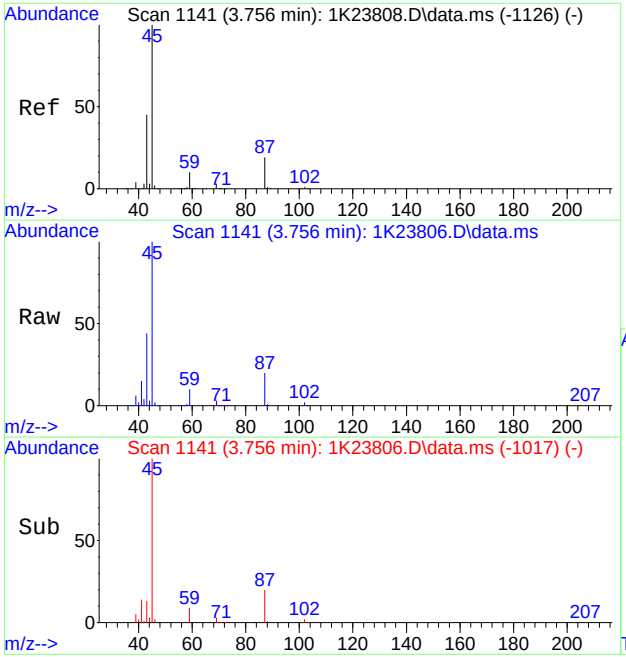


#26
hexane
Concen: 18.65 ug/L
RT: 3.499 min Scan# 1061
Delta R.T. 0.003 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 57 Resp: 265689

Ion	Ratio	Lower	Upper
57	100		
56	39.9	24.9	64.9
43	65.9	50.9	90.9
86	11.2	0.0	31.2

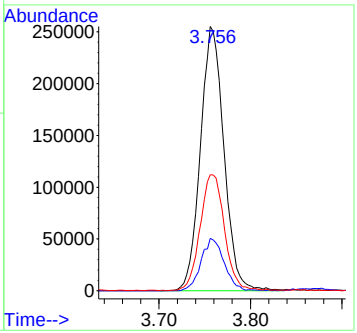


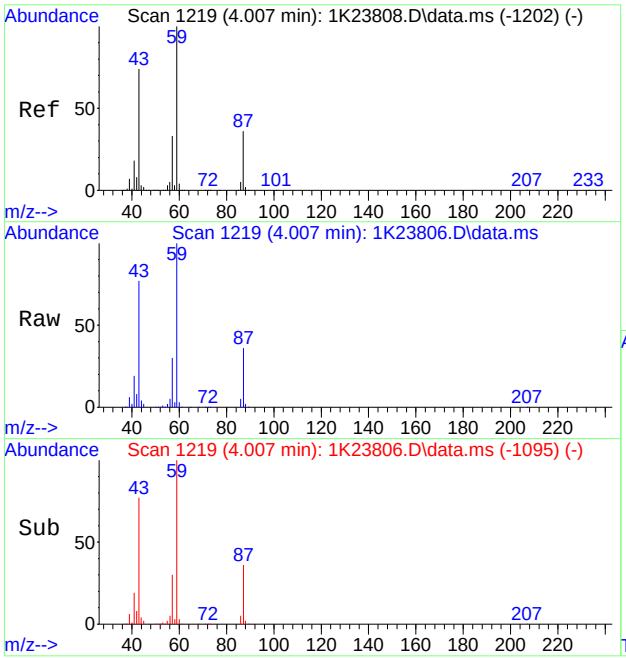


#27
di-isopropyl ether
Concen: 19.19 ug/L
RT: 3.756 min Scan# 1141
Delta R.T. 0.000 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 45 Resp: 457702

Ion	Ratio	Lower	Upper
45	100		
87	19.9	0.0	48.8
43	43.8	14.9	74.9

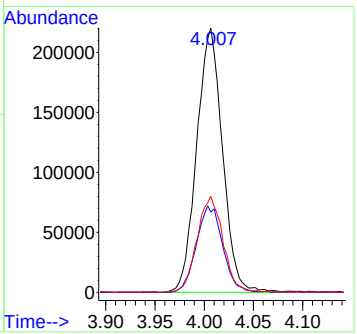


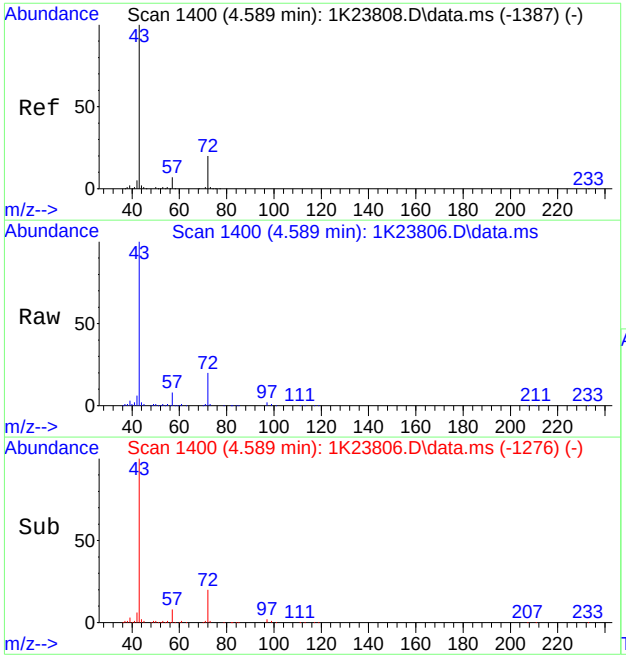


#28
ethyl tert-butyl ether
Concen: 19.06 ug/L
RT: 4.007 min Scan# 1219
Delta R.T. 0.000 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 59 Resp: 401465

Ion	Ratio	Lower	Upper
59	100		
57	30.3	2.6	62.6
87	36.4	5.8	65.8

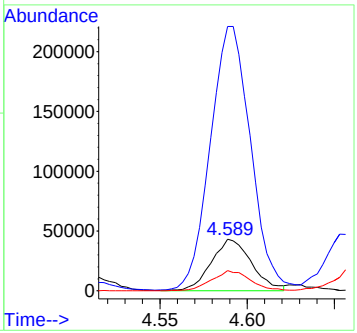


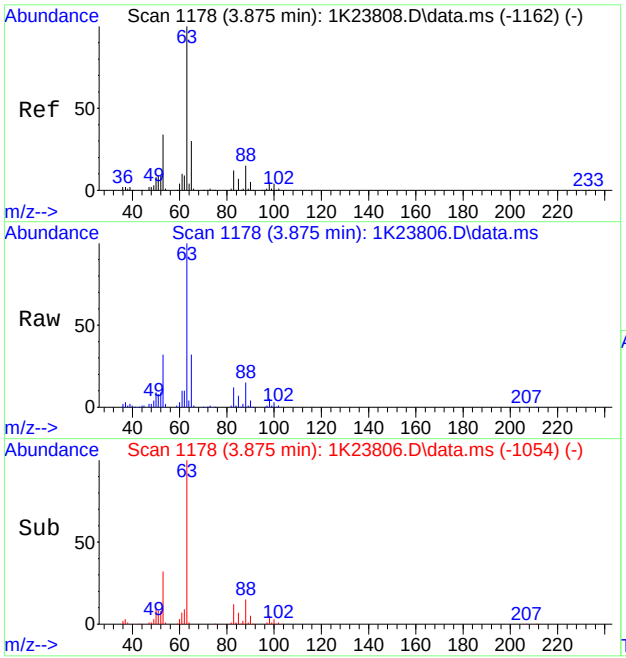


#29
2-butanone
Concen: 77.26 ug/L
RT: 4.589 min Scan# 1400
Delta R.T. 0.000 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 72 Resp: 69467

Ion	Ratio	Lower	Upper
72	100		
43	514.9	475.4	535.4
57	39.4	5.7	65.7

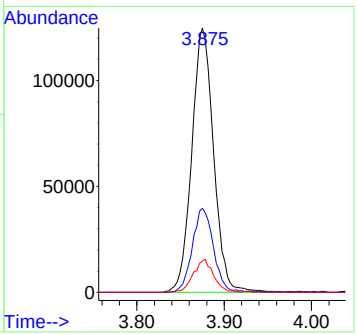


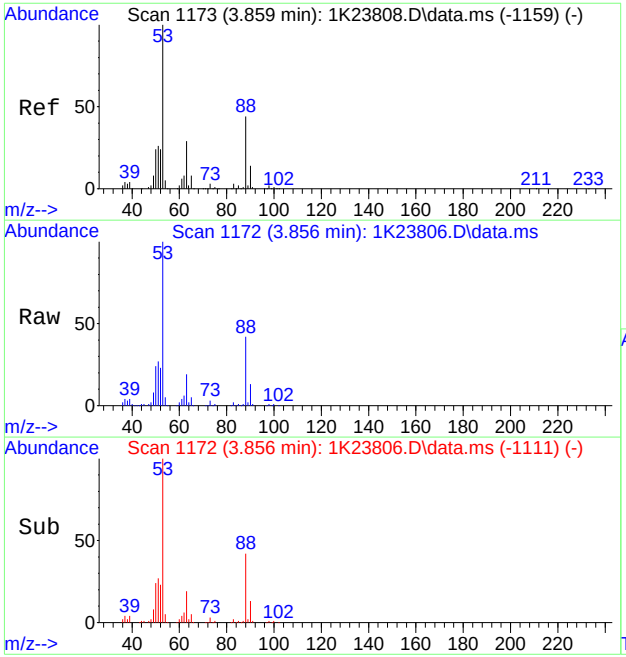


#30
1,1-dichloroethane
Concen: 19.43 ug/L
RT: 3.875 min Scan# 1178
Delta R.T. 0.000 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 63 Resp: 217654

Ion	Ratio	Lower	Upper
63	100		
65	31.8	0.2	60.2
83	11.8	0.0	42.0

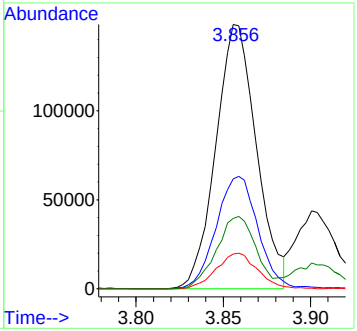


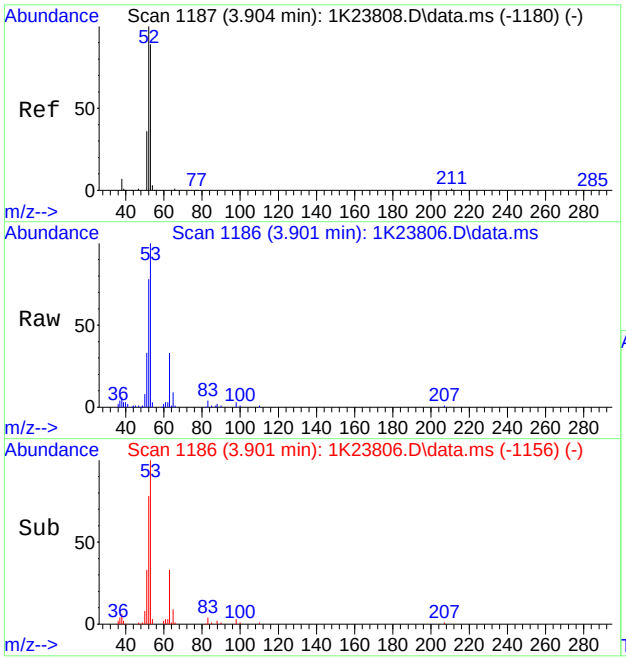


#31
chloroprene
Concen: 19.55 ug/L
RT: 3.856 min Scan# 1172
Delta R.T. -0.003 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 53 Resp: 240855

Ion	Ratio	Lower	Upper
53	100		
88	41.6	13.8	73.8
90	13.1	0.0	44.2
51	26.6	0.0	56.1

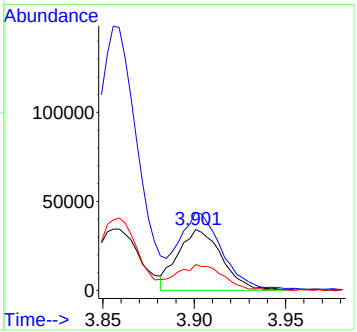


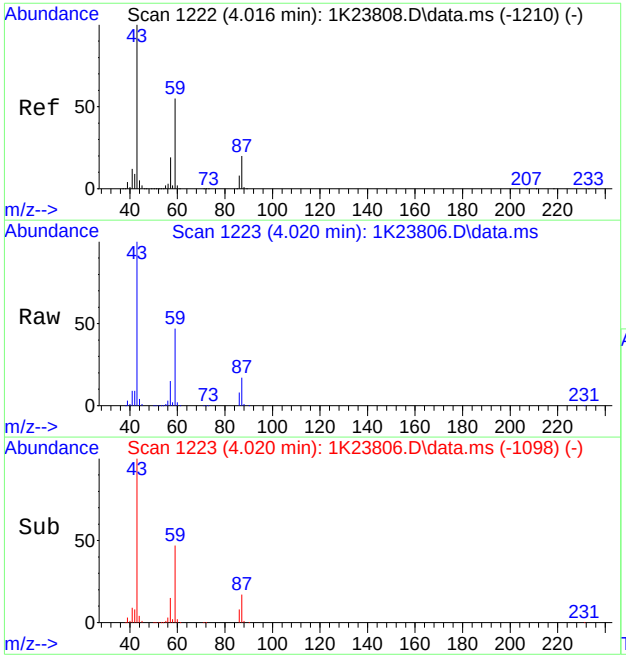


#32
acrylonitrile
Concen: 20.75 ug/L
RT: 3.901 min Scan# 1186
Delta R.T. -0.003 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 52 Resp: 57365

Ion	Ratio	Lower	Upper
52	100		
53	125.9	99.5	159.5
51	41.2	13.8	73.8

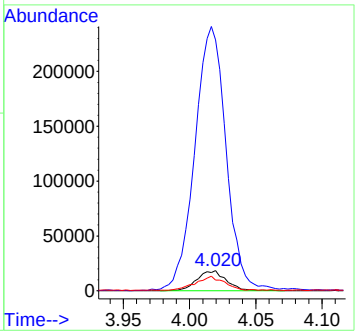


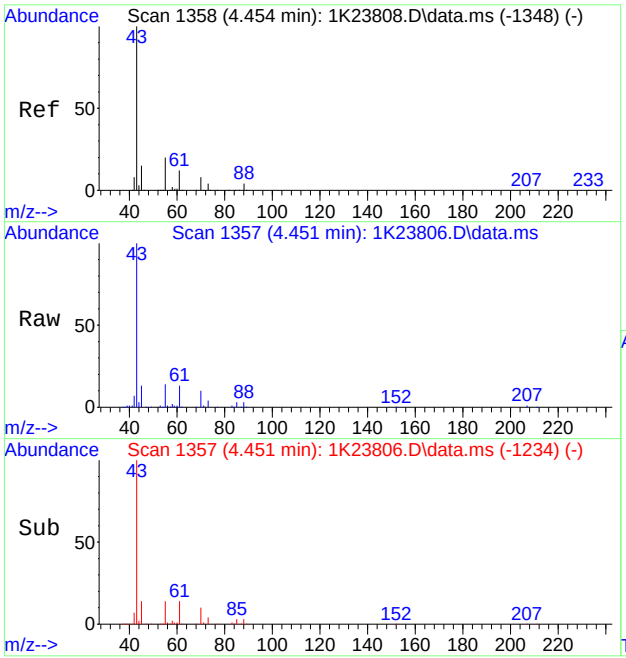


#33
vinyl acetate
Concen: 20.74 ug/L
RT: 4.020 min Scan# 1223
Delta R.T. 0.003 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 86 Resp: 28164

Ion	Ratio	Lower	Upper
86	100		
43	1224.0	1252.8	1312.8#
44	50.2	39.9	99.9

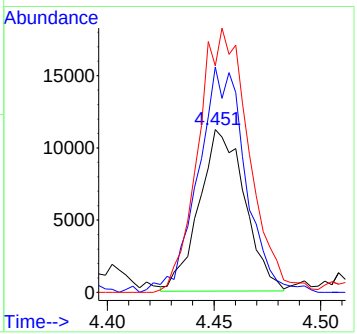




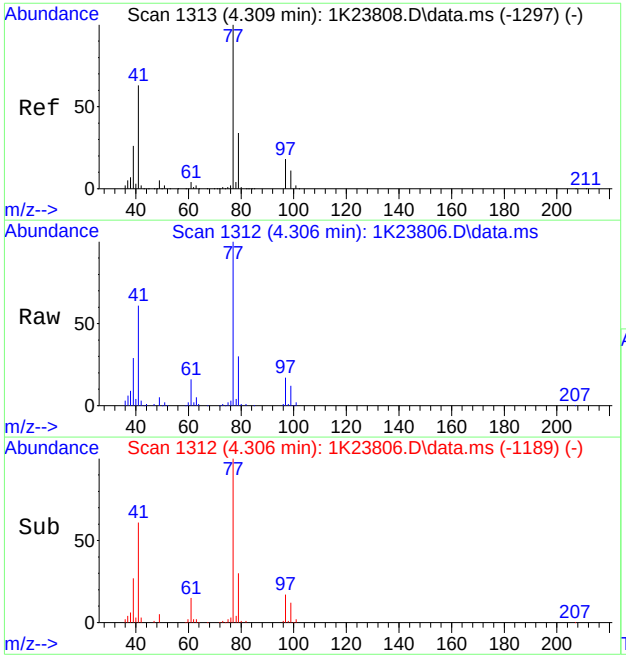
#34
ethyl acetate
Concen: 21.47 ug/L
RT: 4.451 min Scan# 1357
Delta R.T. -0.003 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 70 Resp: 16641

Ion	Ratio	Lower	Upper
70	100		
61	136.2	124.4	184.4
45	140.3	156.4	216.4#



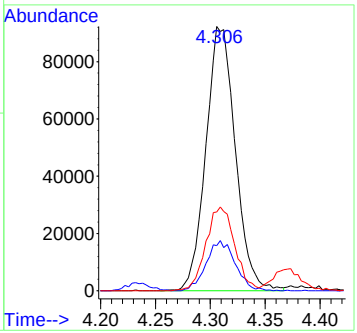
7.6.7

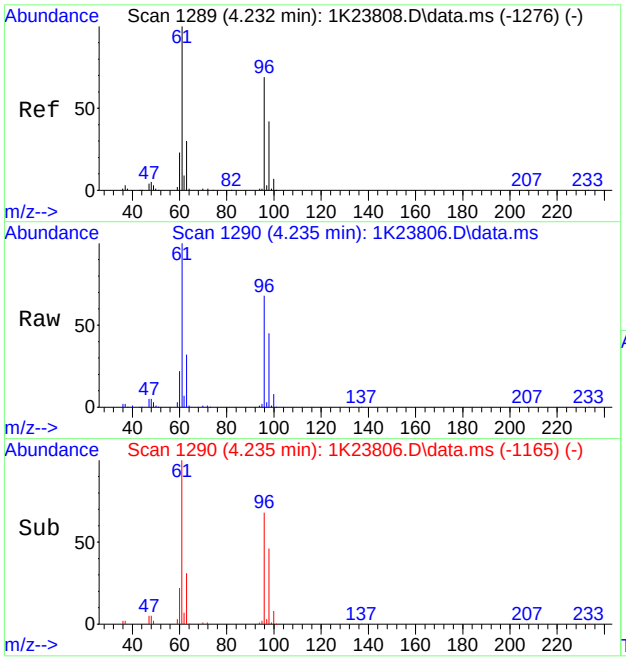


#35
2,2-dichloropropane
Concen: 18.19 ug/L
RT: 4.306 min Scan# 1312
Delta R.T. -0.003 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 77 Resp: 172745

Ion	Ratio	Lower	Upper
77	100		
97	17.1	0.0	47.6
79	29.8	3.7	63.7

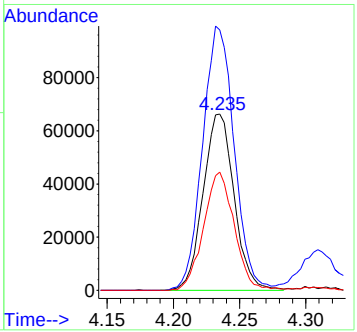


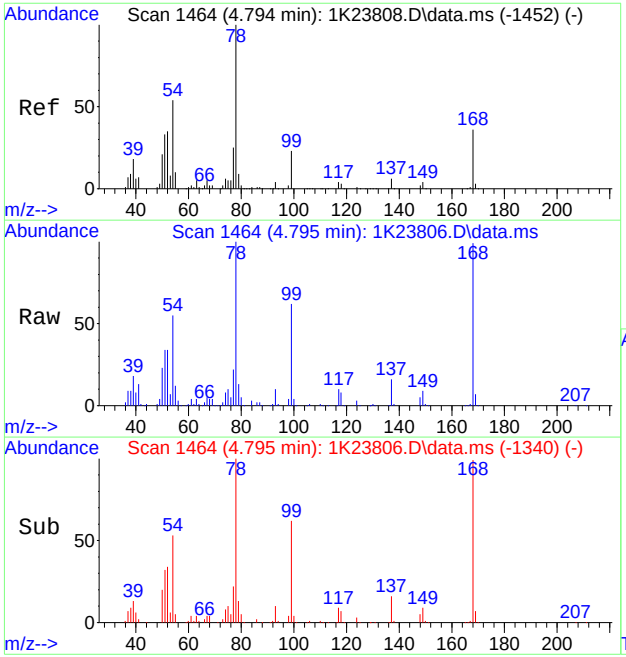


#36
cis-1,2-dichloroethene
Concen: 18.78 ug/L
RT: 4.235 min Scan# 1290
Delta R.T. 0.003 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 96 Resp: 108149

Ion	Ratio	Lower	Upper
96	100		
61	147.6	114.3	174.3
98	67.1	30.5	90.5

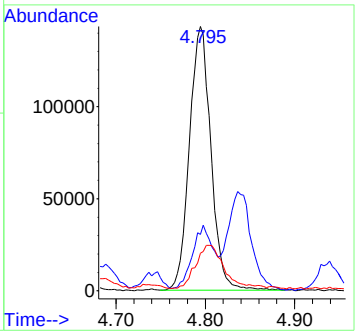


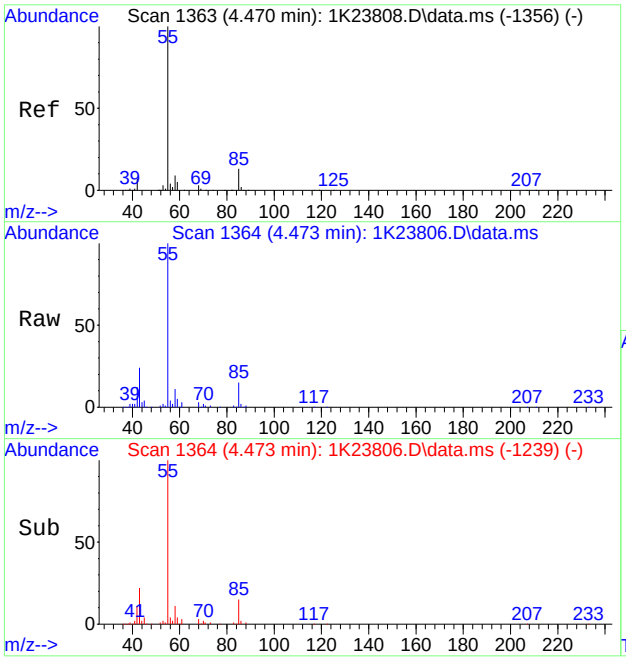


#37
propionitrile
Concen: 198.41 ug/L
RT: 4.795 min Scan# 1464
Delta R.T. 0.000 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 54 Resp: 240014

Ion	Ratio	Lower	Upper
54	100		
55	20.9	0.0	50.4
40	13.3	0.0	41.8

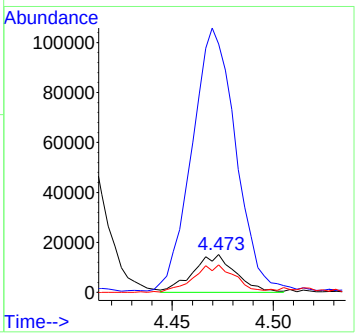


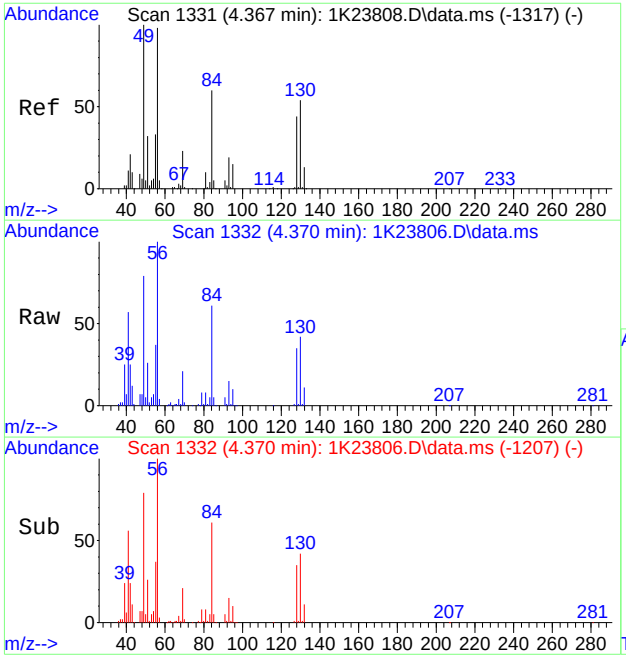


#38
methyl acrylate
Concen: 21.22 ug/L
RT: 4.473 min Scan# 1364
Delta R.T. 0.003 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 85 Resp: 22274

Ion	Ratio	Lower	Upper
85	100		
55	659.2	717.8	757.8#
58	73.8	42.6	82.6

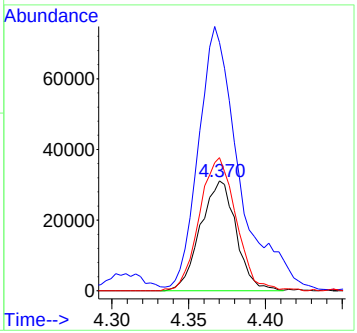


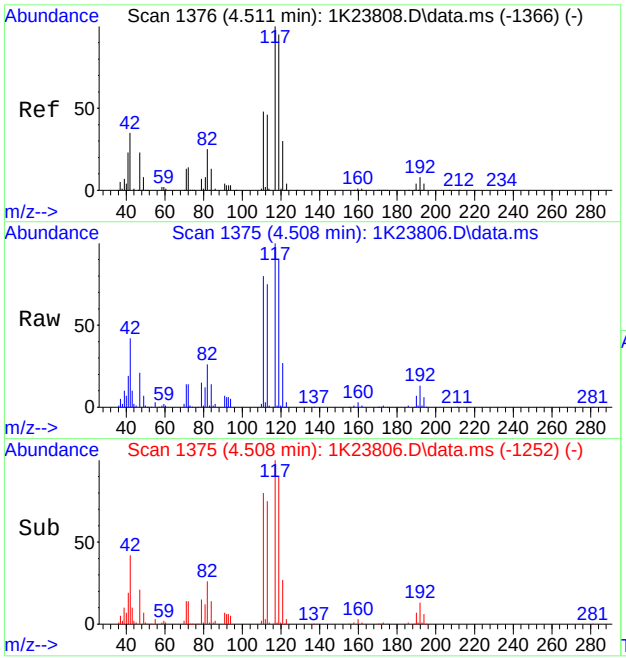


#39
bromochloromethane
Concen: 18.97 ug/L
RT: 4.370 min Scan# 1332
Delta R.T. 0.003 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion:128 Resp: 50197

Ion	Ratio	Lower	Upper
128	100		
49	222.4	195.5	255.5
130	121.0	92.1	152.1

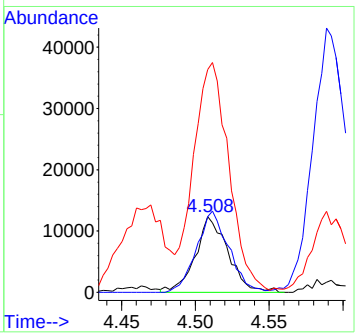


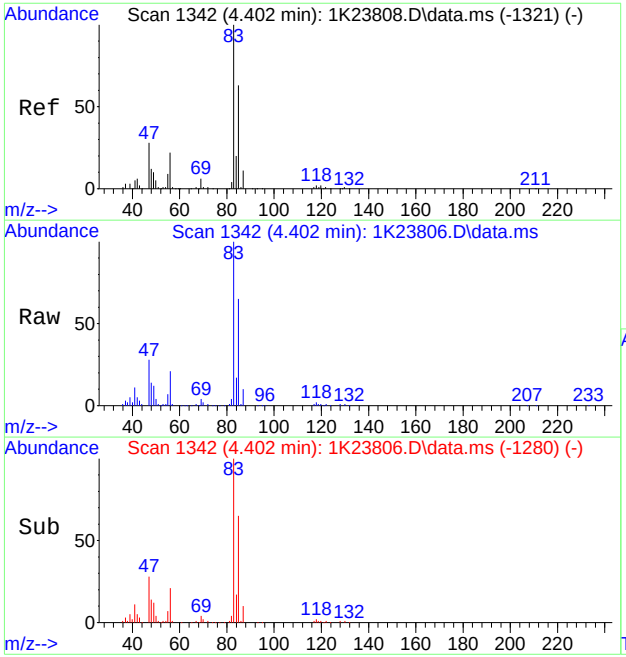


#40
tetrahydrofuran
Concen: 19.12 ug/L
RT: 4.508 min Scan# 1375
Delta R.T. -0.003 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 71 Resp: 18981

Ion	Ratio	Lower	Upper
71	100		
72	100.0	76.4	136.4
42	289.5	297.7	357.7#

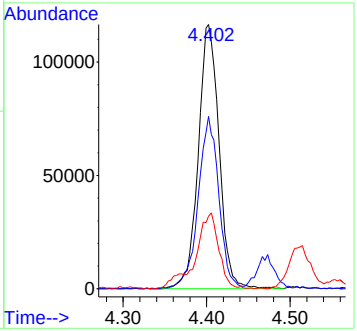


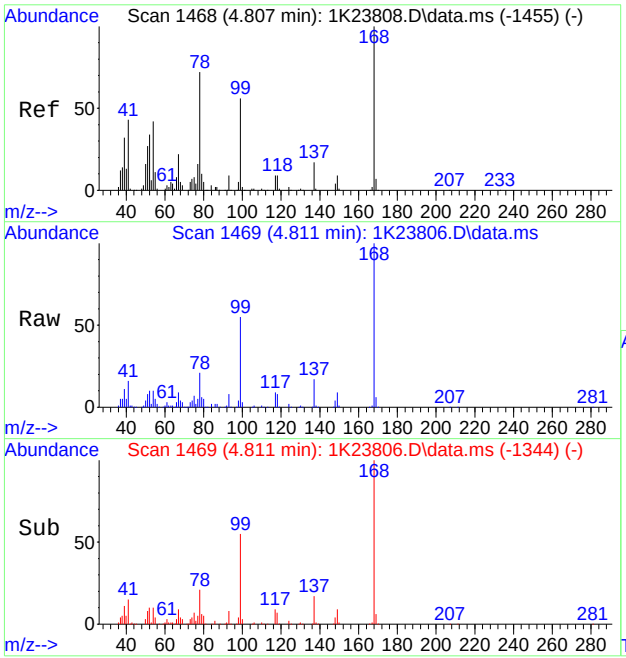


#41
chloroform
Concen: 18.28 ug/L
RT: 4.402 min Scan# 1342
Delta R.T. 0.000 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 83 Resp: 202115

Ion	Ratio	Lower	Upper
83	100		
85	65.2	33.4	93.4
47	27.1	0.0	58.3

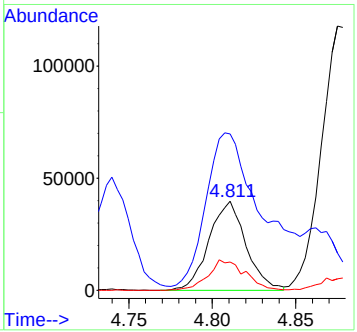


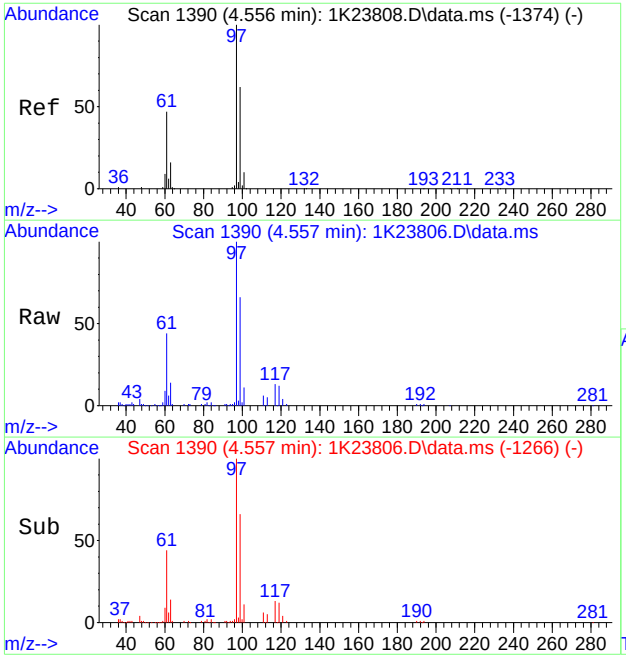


#43
methacrylonitrile
Concen: 17.86 ug/L
RT: 4.811 min Scan# 1469
Delta R.T. 0.003 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 67 Resp: 61229

Ion	Ratio	Lower	Upper
67	100		
41	168.8	161.1	221.1
66	31.8	3.7	63.7

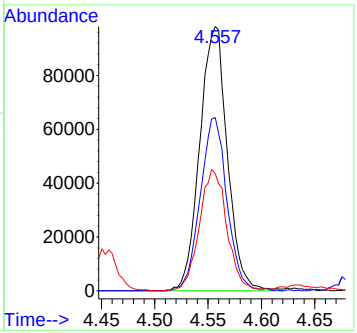


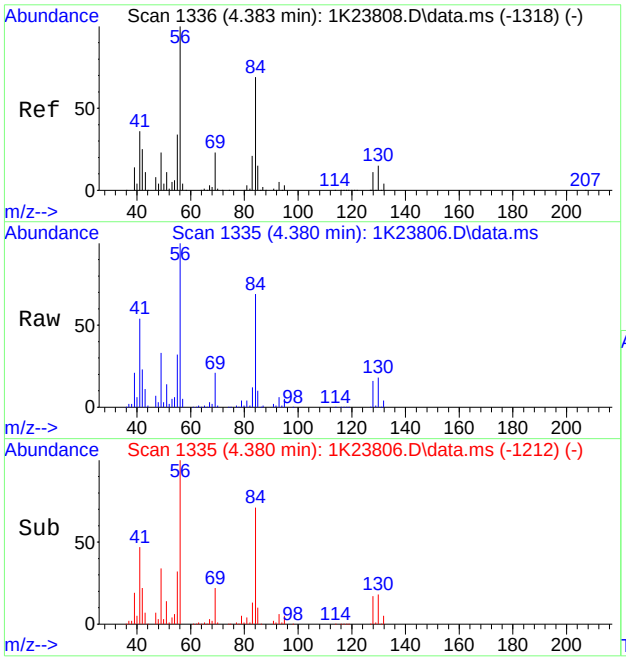


#44
1,1,1-trichloroethane
Concen: 19.05 ug/L
RT: 4.557 min Scan# 1390
Delta R.T. 0.000 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 97 Resp: 176844

Ion	Ratio	Lower	Upper
97	100		
99	65.5	32.1	92.1
61	44.3	16.3	76.3

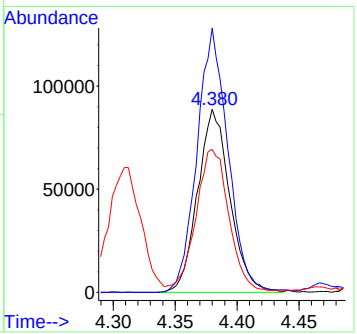


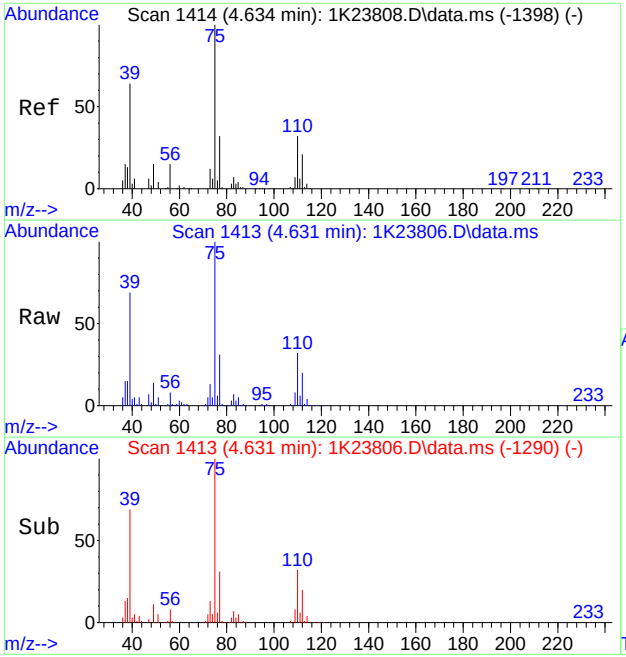


#45
cyclohexane
Concen: 20.27 ug/L
RT: 4.380 min Scan# 1335
Delta R.T. -0.003 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 84 Resp: 160494

Ion	Ratio	Lower	Upper
84	100		
56	144.2	124.1	164.1
41	77.1	58.3	98.3

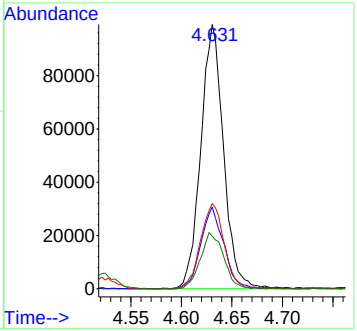


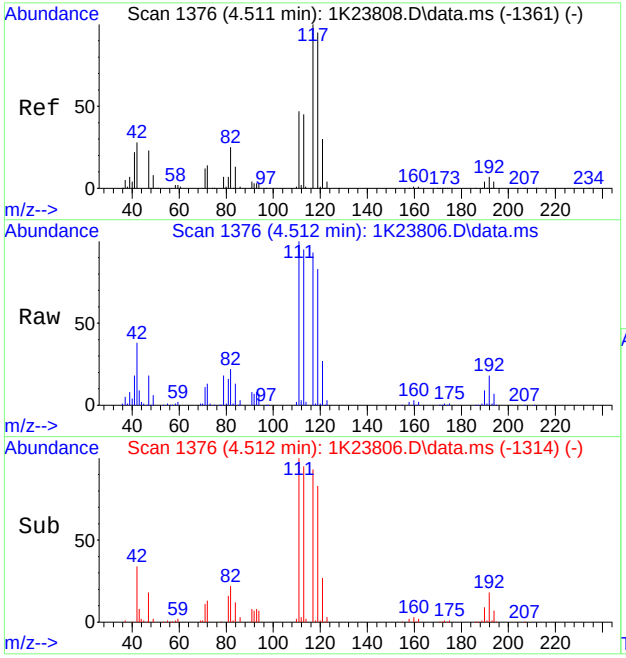


#46
1,1-dichloropropene
Concen: 19.40 ug/L
RT: 4.631 min Scan# 1413
Delta R.T. -0.003 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 75 Resp: 155422

Ion	Ratio	Lower	Upper
75	100		
77	31.0	12.0	52.0
110	32.2	12.3	52.3
112	19.9	0.8	40.8

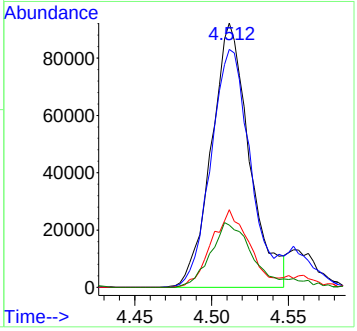


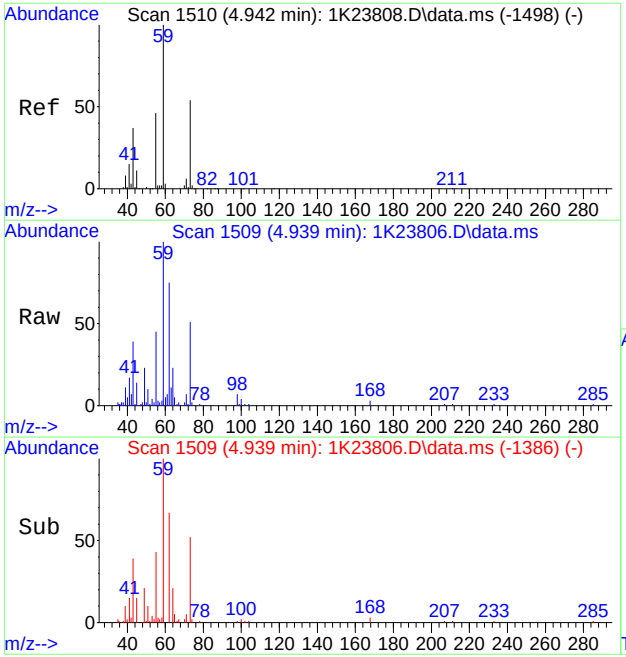


#47
carbon tetrachloride
Concen: 17.88 ug/L
RT: 4.512 min Scan# 1376
Delta R.T. 0.000 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion:117 Resp: 158325

Ion	Ratio	Lower	Upper
117	100		
119	90.0	74.6	114.6
121	29.4	9.9	49.9
82	23.5	5.1	45.1

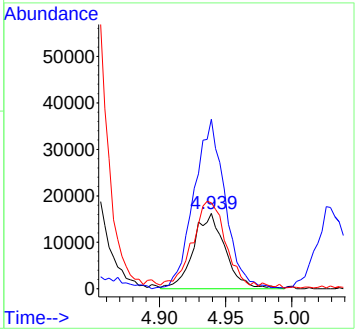


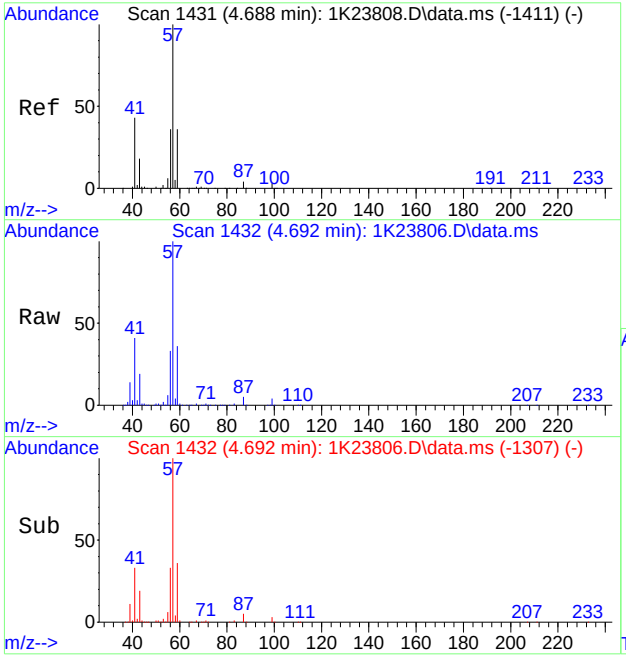


#49
tert-amyl alcohol
Concen: 99.04 ug/L
RT: 4.939 min Scan# 1509
Delta R.T. -0.003 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 55 Resp: 27108

Ion	Ratio	Lower	Upper
55	100		
59	223.0	194.2	234.2
73	112.8	101.1	141.1

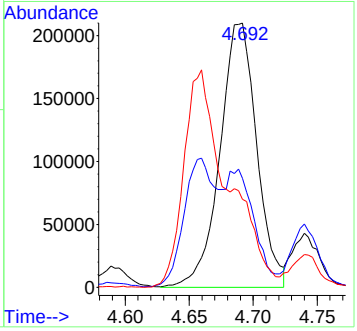


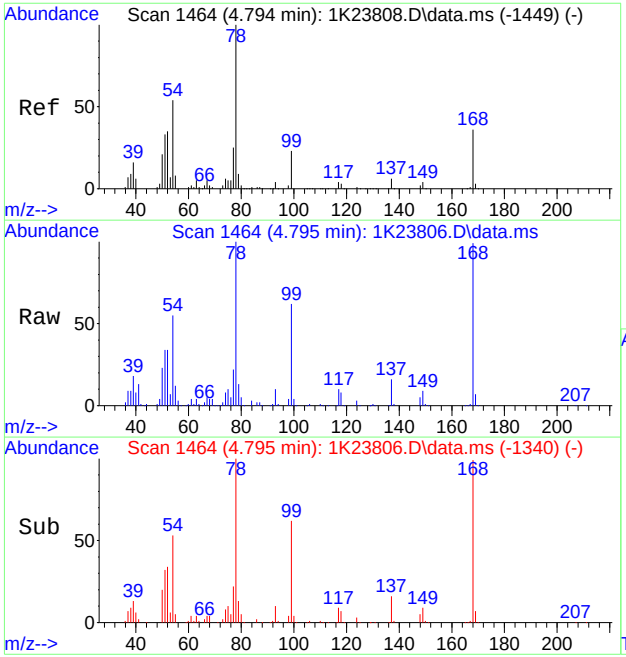


#52
iso-octane
Concen: 18.93 ug/L
RT: 4.692 min Scan# 1432
Delta R.T. 0.003 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 57 Resp: 421071

Ion	Ratio	Lower	Upper
57	100		
41	40.2	22.7	62.7
56	31.8	16.1	56.1

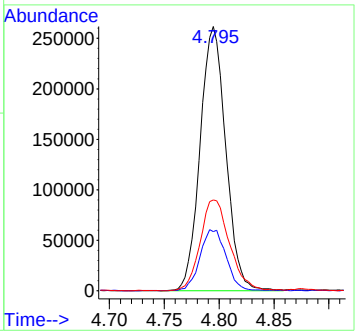


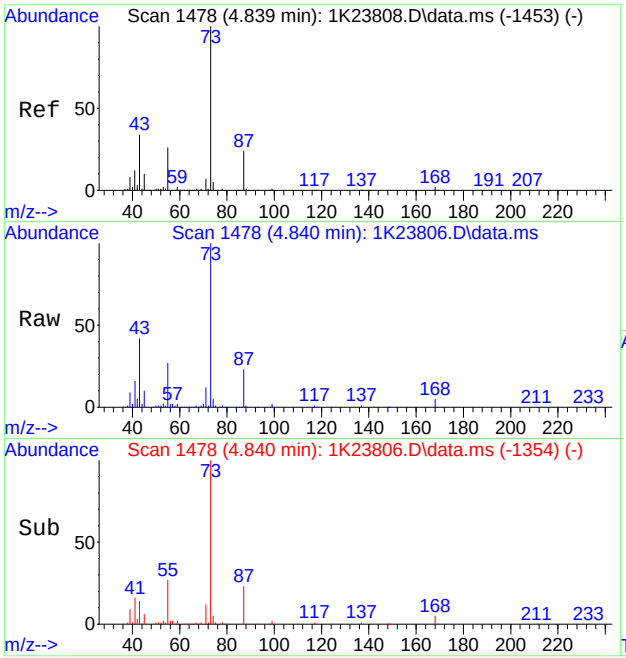


#53
benzene
Concen: 18.94 ug/L
RT: 4.795 min Scan# 1464
Delta R.T. 0.000 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 78 Resp: 426897

Ion	Ratio	Lower	Upper
78	100		
77	22.3	0.0	54.5
52	34.3	5.0	65.0

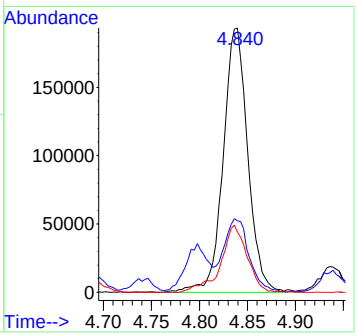


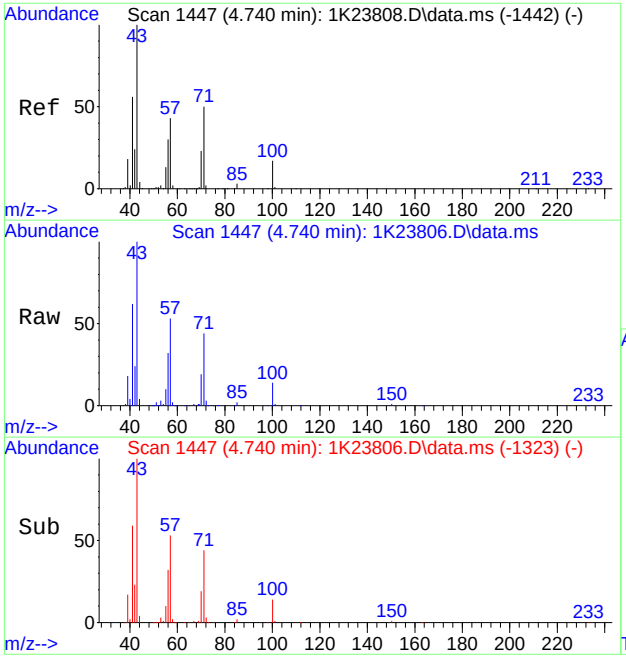


#54
tert-amyl methyl ether
Concen: 18.59 ug/L
RT: 4.840 min Scan# 1478
Delta R.T. 0.000 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 73 Resp: 345515

Ion	Ratio	Lower	Upper
73	100		
55	26.7	7.0	47.0
87	22.8	4.4	44.4

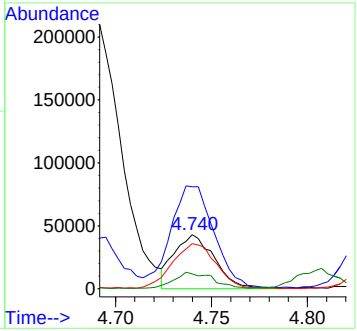


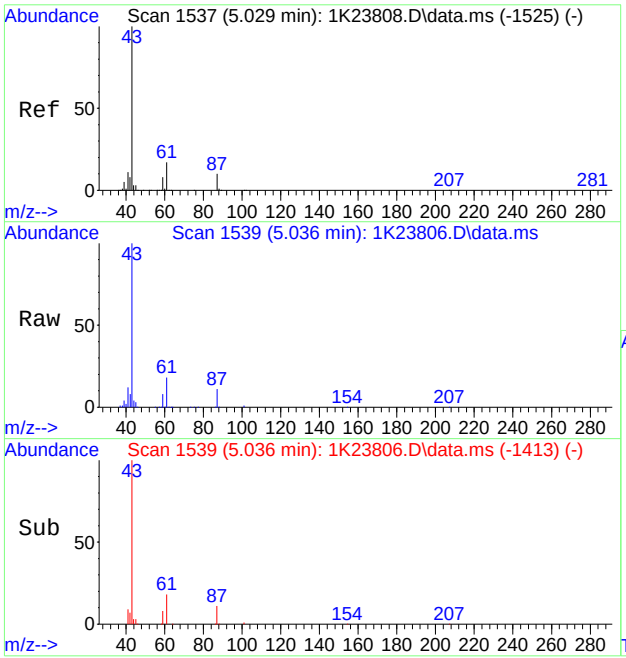


#55
heptane
Concen: 18.46 ug/L
RT: 4.740 min Scan# 1447
Delta R.T. 0.000 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 57 Resp: 62983

Ion	Ratio	Lower	Upper
57	100		
43	187.3	165.6	225.6
71	83.2	61.2	121.2
100	20.9	0.0	55.6

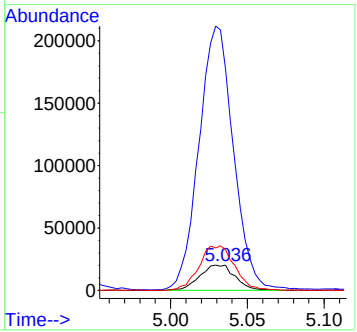


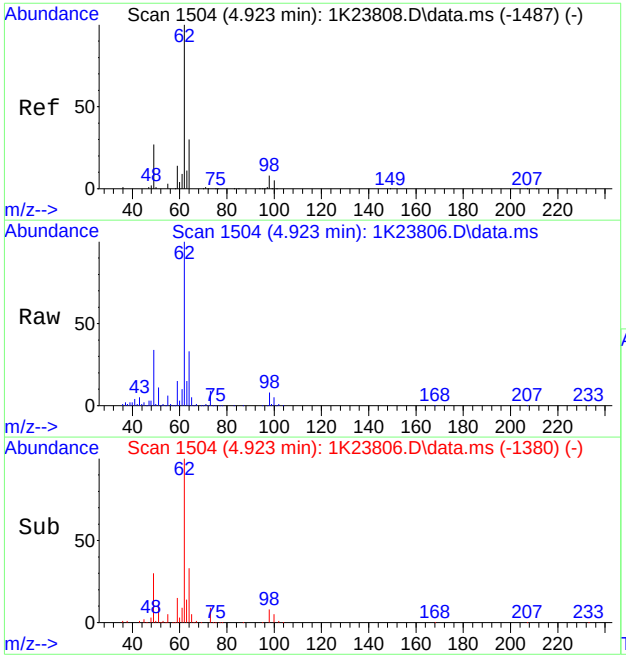


#56
isopropyl acetate
Concen: 19.96 ug/L
RT: 5.036 min Scan# 1539
Delta R.T. 0.007 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 87 Resp: 32662

Ion	Ratio	Lower	Upper
87	100		
43	873.0	998.2	1058.2#
61	160.8	147.0	207.0

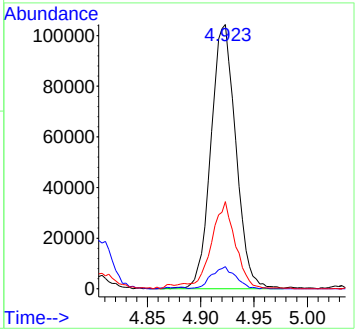


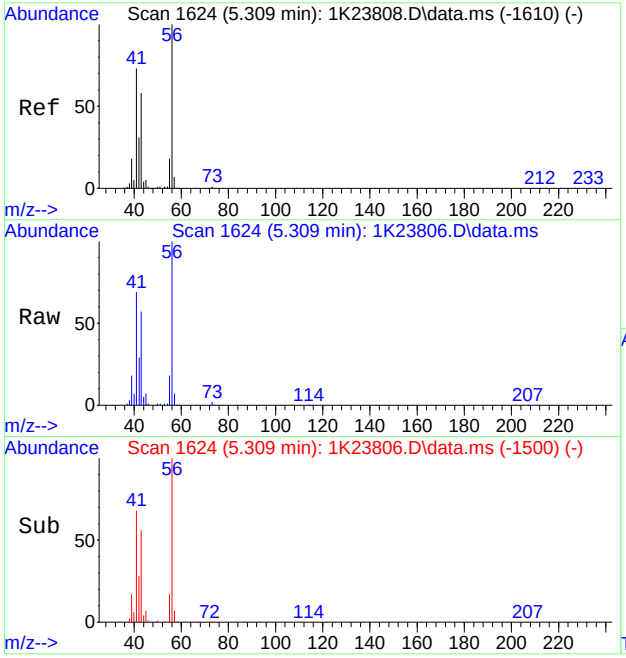


#57
1,2-dichloroethane
Concen: 17.97 ug/L
RT: 4.923 min Scan# 1504
Delta R.T. 0.000 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 62 Resp: 169484

Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	38.3
64	33.0	0.4	60.4

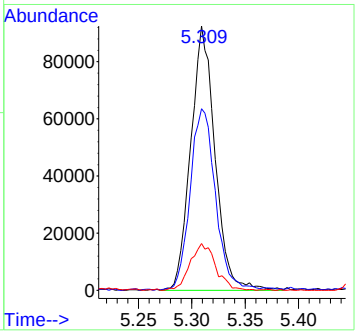


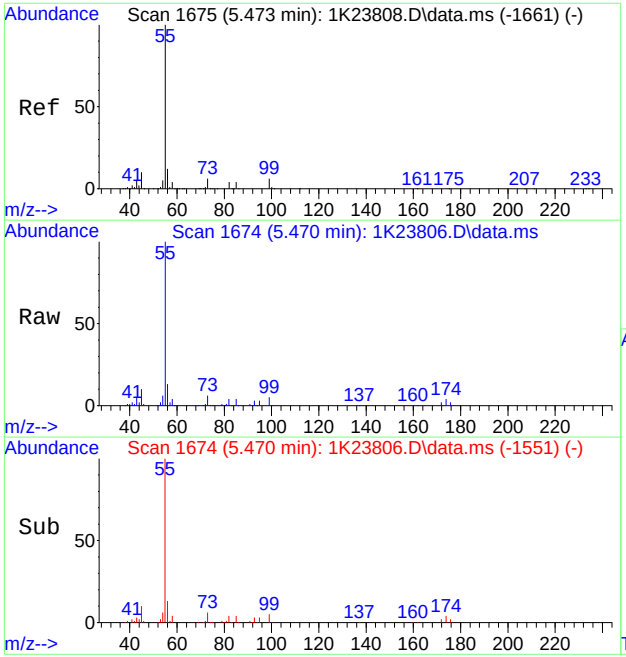


#58
n-butyl alcohol
Concen: 1004.79 ug/L
RT: 5.309 min Scan# 1624
Delta R.T. 0.000 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 56 Resp: 146525

Ion	Ratio	Lower	Upper
56	100		
41	68.4	53.5	93.5
55	17.7	0.0	38.0

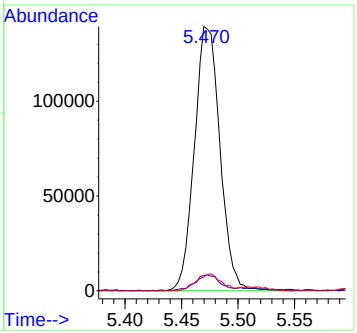


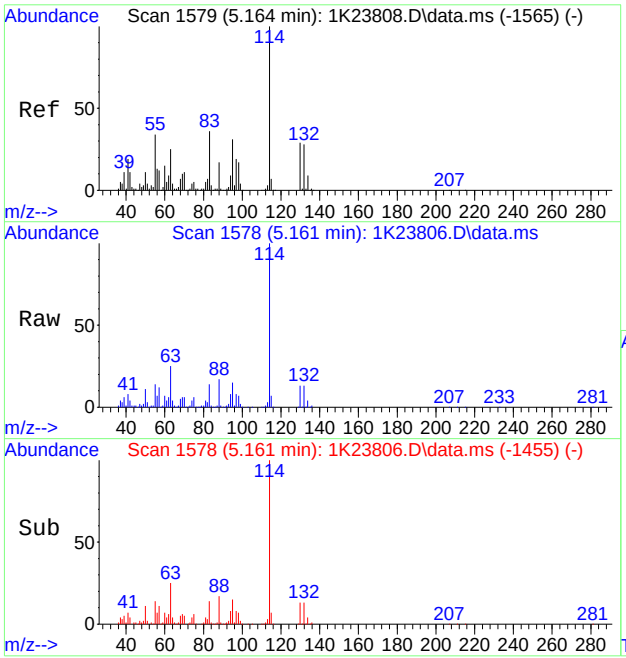


#59
ethyl acrylate
Concen: 19.63 ug/L
RT: 5.470 min Scan# 1674
Delta R.T. -0.003 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 55 Resp: 219697

Ion	Ratio	Lower	Upper
55	100		
73	5.5	0.0	35.8
99	5.2	0.0	35.9

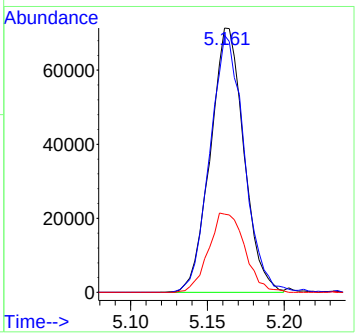


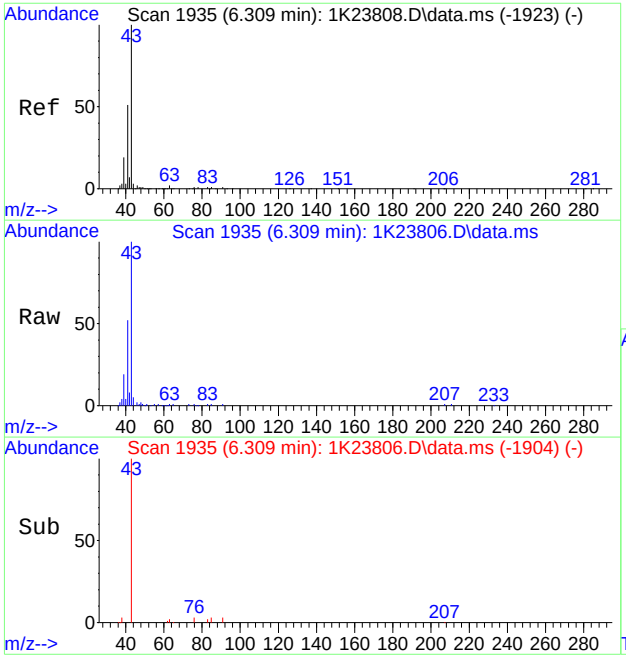


#60
trichloroethene
Concen: 19.28 ug/L
RT: 5.161 min Scan# 1578
Delta R.T. -0.003 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion:130 Resp: 108444

Ion	Ratio	Lower	Upper
130	100		
132	97.2	66.4	126.4
134	29.6	0.0	59.6

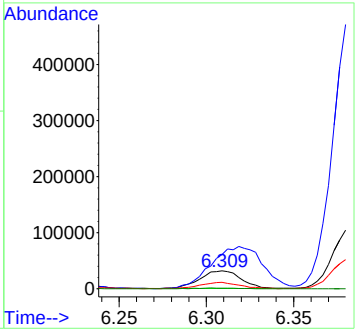


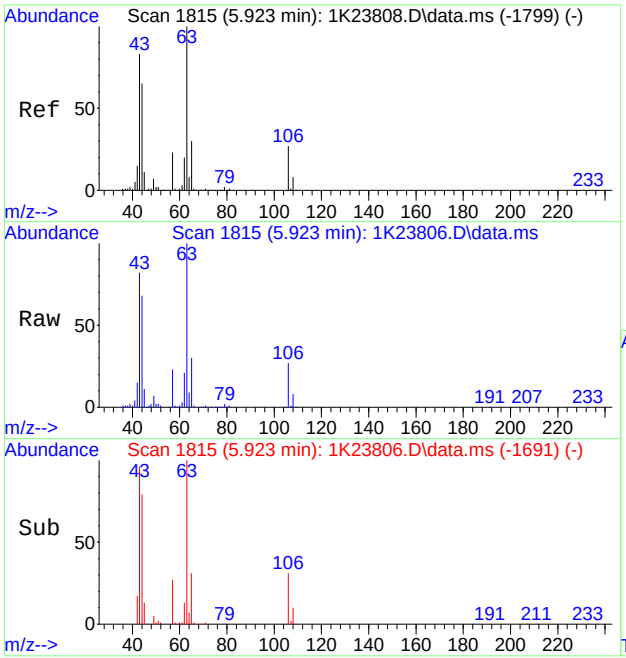


#61
2-nitropropane
Concen: 18.20 ug/L
RT: 6.309 min Scan# 1935
Delta R.T. 0.000 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 41 Resp: 51635

Ion	Ratio	Lower	Upper
41	100		
43	191.8	164.7	224.7
39	35.8	6.3	66.3
46	4.2	0.0	33.8

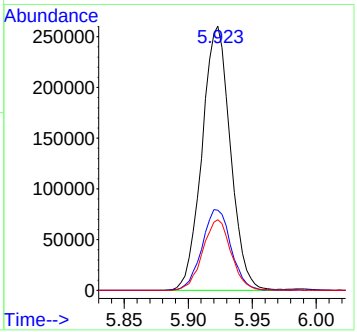


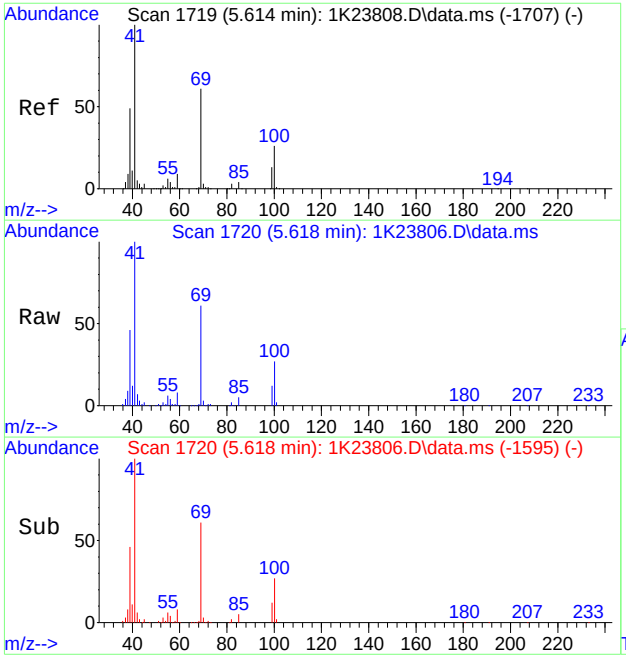


#62
2-chloroethyl vinyl ether
Concen: 102.19 ug/L
RT: 5.923 min Scan# 1815
Delta R.T. 0.000 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 63 Resp: 402734

Ion	Ratio	Lower	Upper
63	100		
65	30.4	0.4	60.4
106	26.7	0.0	57.4

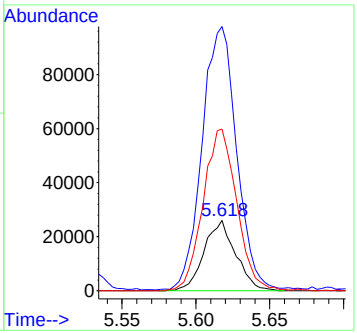


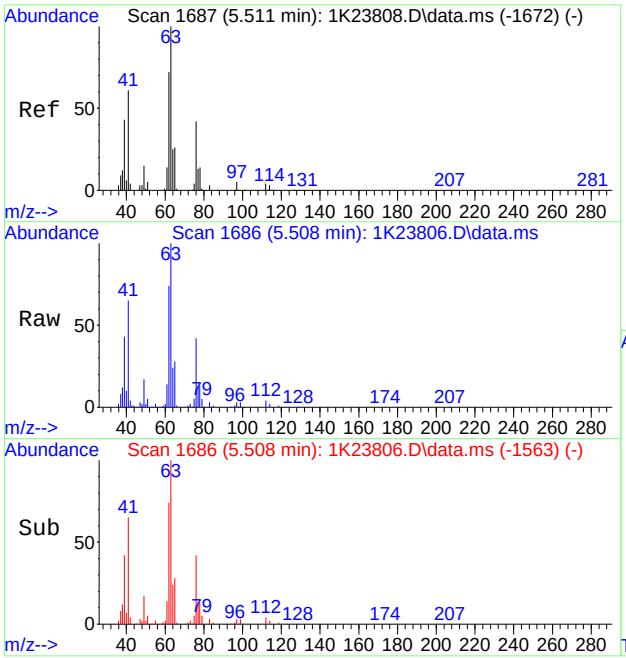


#63
methyl methacrylate
Concen: 19.93 ug/L
RT: 5.618 min Scan# 1720
Delta R.T. 0.003 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion:100 Resp: 38599

Ion	Ratio	Lower	Upper
100	100		
41	372.8	352.7	412.7
69	229.3	201.8	261.8

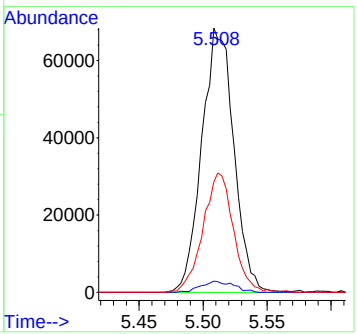


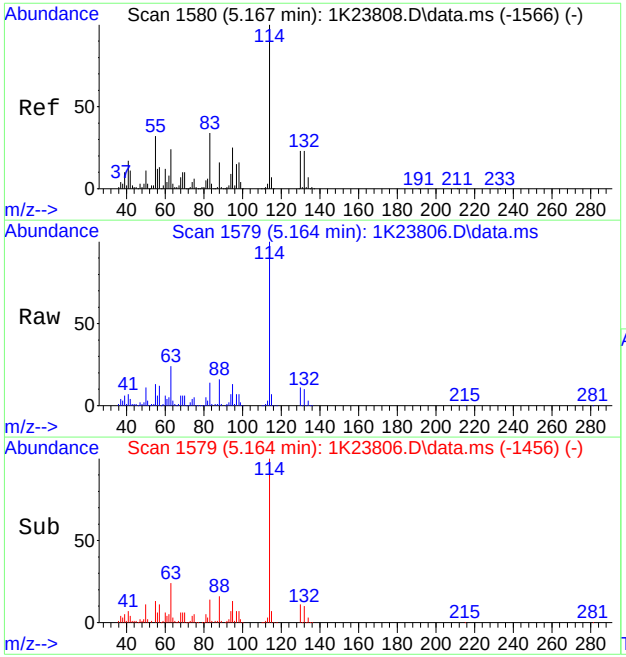


#64
1,2-dichloropropane
Concen: 18.88 ug/L
RT: 5.508 min Scan# 1686
Delta R.T. -0.003 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 63 Resp: 118972

Ion	Ratio	Lower	Upper
63	100		
112	4.3	0.0	34.3
76	41.9	11.5	71.5

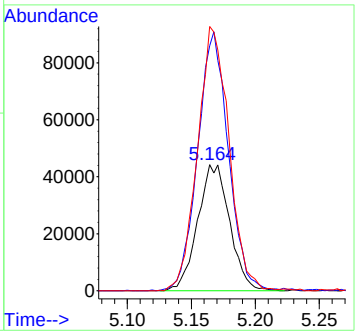


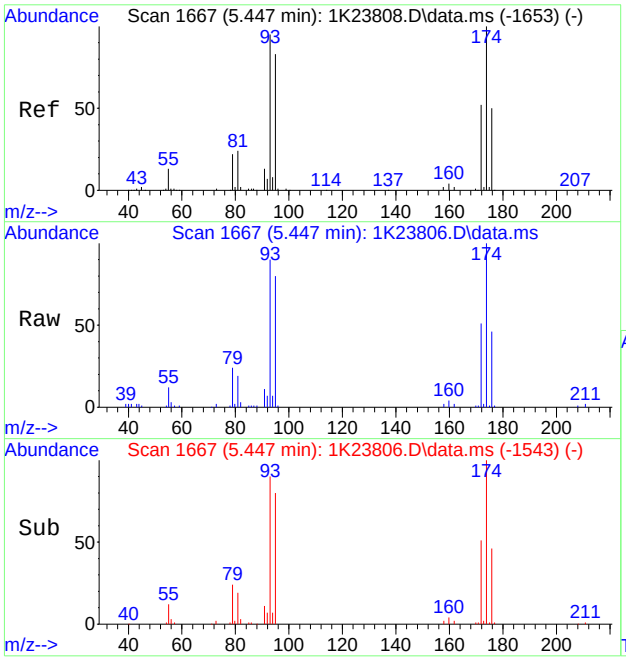


#65
methylcyclohexane
Concen: 18.64 ug/L
RT: 5.164 min Scan# 1579
Delta R.T. -0.003 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 98 Resp: 76996

Ion	Ratio	Lower	Upper
98	100		
55	193.7	162.4	222.4
83	209.1	177.4	237.4

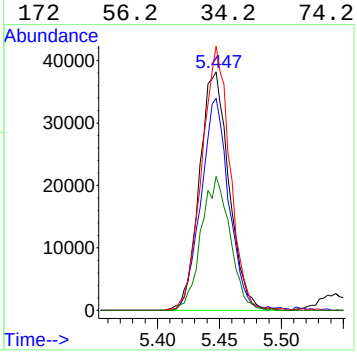


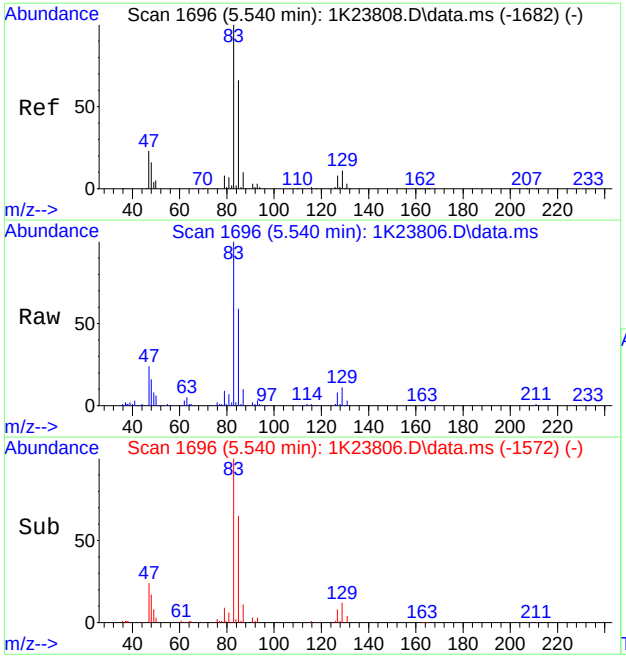


#66
dibromomethane
Concen: 18.46 ug/L
RT: 5.447 min Scan# 1667
Delta R.T. 0.000 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 93 Resp: 63427

Ion	Ratio	Lower	Upper
93	100		
95	89.0	57.5	117.5
174	110.9	75.1	135.1
172	56.2	34.2	74.2

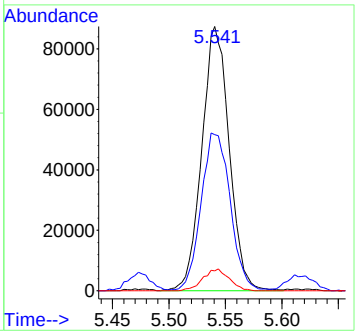


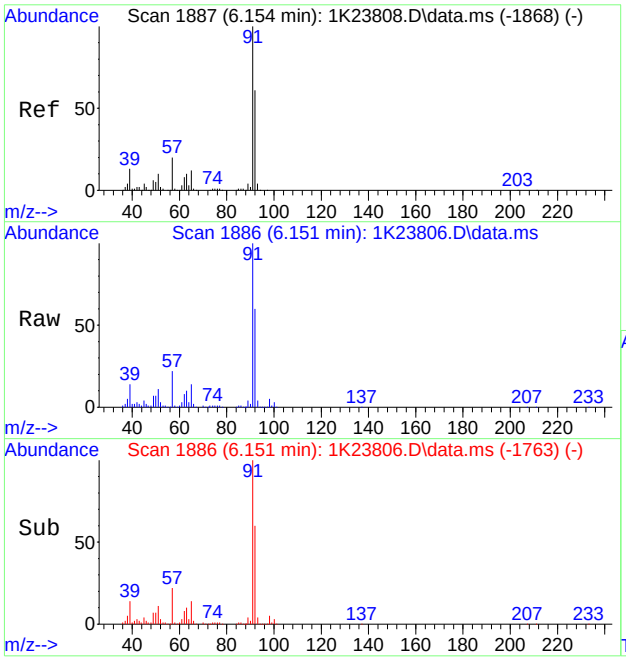


#67
bromodichloromethane
Concen: 19.01 ug/L
RT: 5.540 min Scan# 1696
Delta R.T. 0.000 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 83 Resp: 147025

Ion	Ratio	Lower	Upper
83	100		
85	57.8	35.5	95.5
127	7.6	0.0	37.9

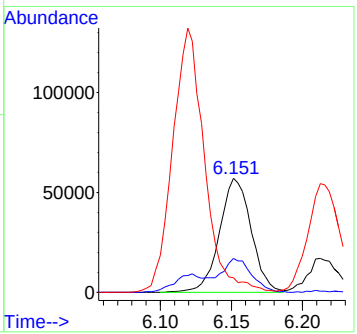


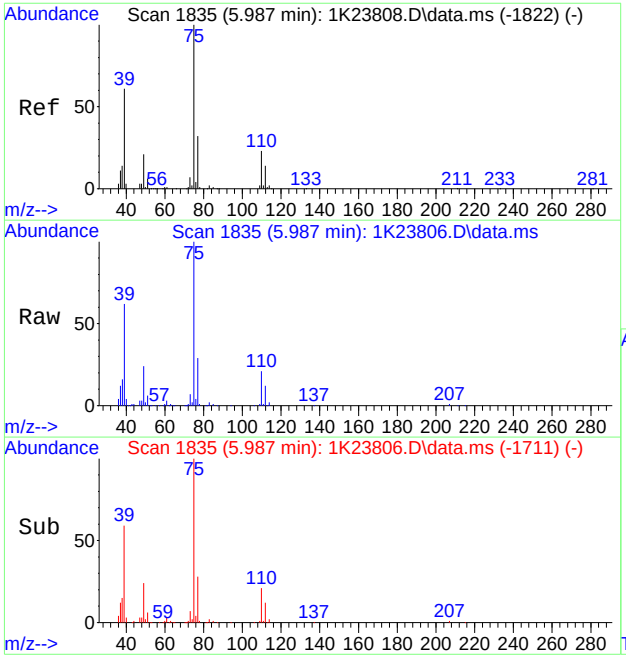


#68
epichlorohydrin
Concen: 95.45 ug/L
RT: 6.151 min Scan# 1886
Delta R.T. -0.003 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 57 Resp: 88506

Ion	Ratio	Lower	Upper
57	100		
49	28.9	8.2	48.2
42	10.6	0.0	27.5

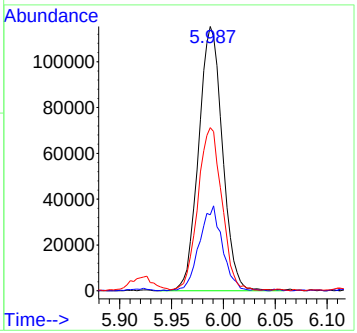


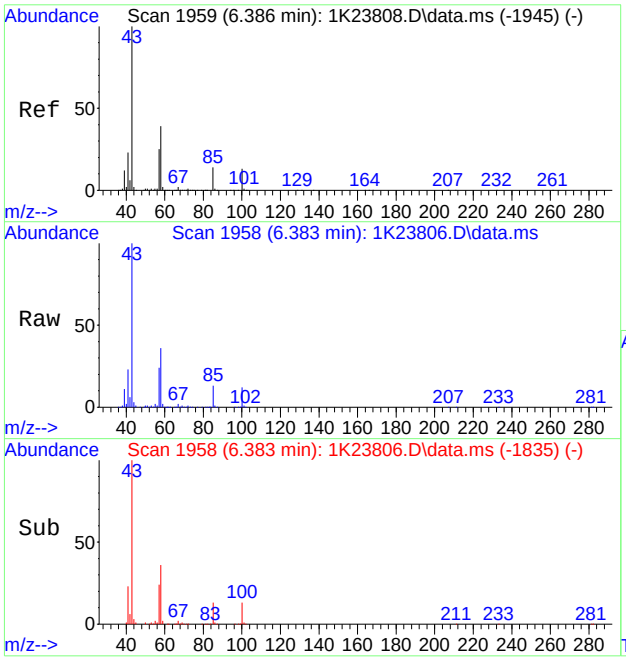


#69
cis-1,3-dichloropropene
Concen: 19.98 ug/L
RT: 5.987 min Scan# 1835
Delta R.T. 0.000 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 75 Resp: 185135

Ion	Ratio	Lower	Upper
75	100		
77	28.7	2.2	62.2
39	61.3	31.6	91.6

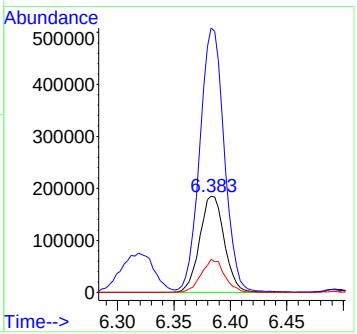


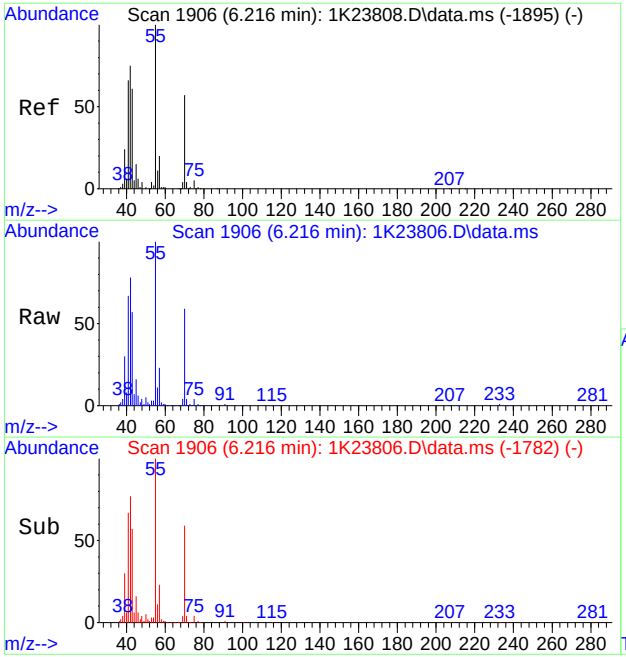


#70
4-methyl-2-pentanone
Concen: 77.39 ug/L
RT: 6.383 min Scan# 1958
Delta R.T. -0.003 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 58 Resp: 279624

Ion	Ratio	Lower	Upper
58	100		
43	274.8	235.3	295.3
100	34.4	2.2	62.2

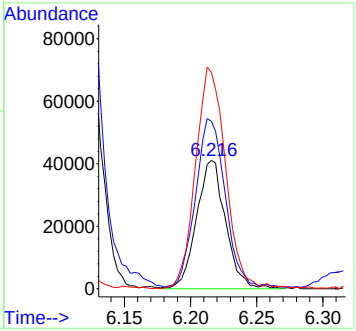


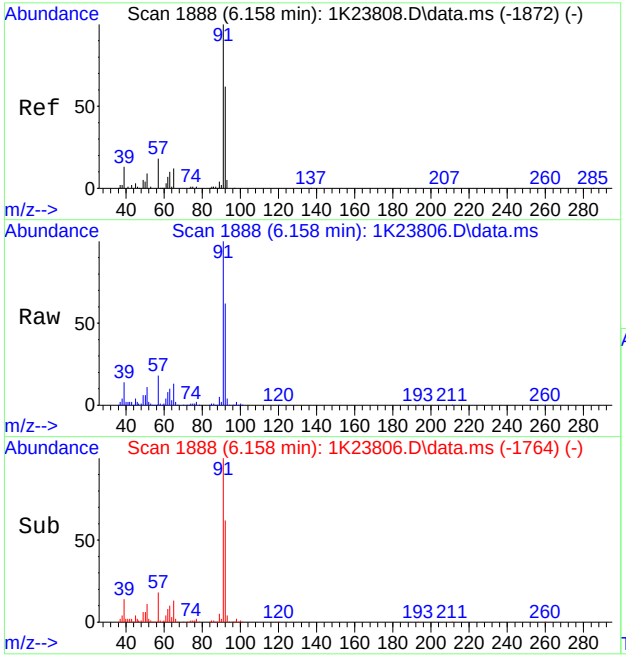


#71
3-methyl-1-butanol
Concen: 403.65 ug/L
RT: 6.216 min Scan# 1906
Delta R.T. 0.000 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 70 Resp: 62821

Ion	Ratio	Lower	Upper
70	100		
42	129.4	103.4	163.4
55	169.0	146.9	206.9

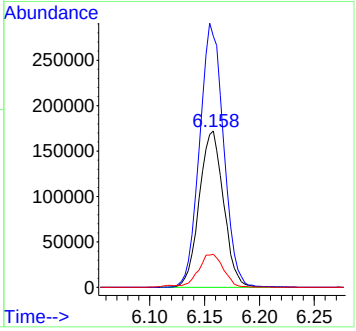


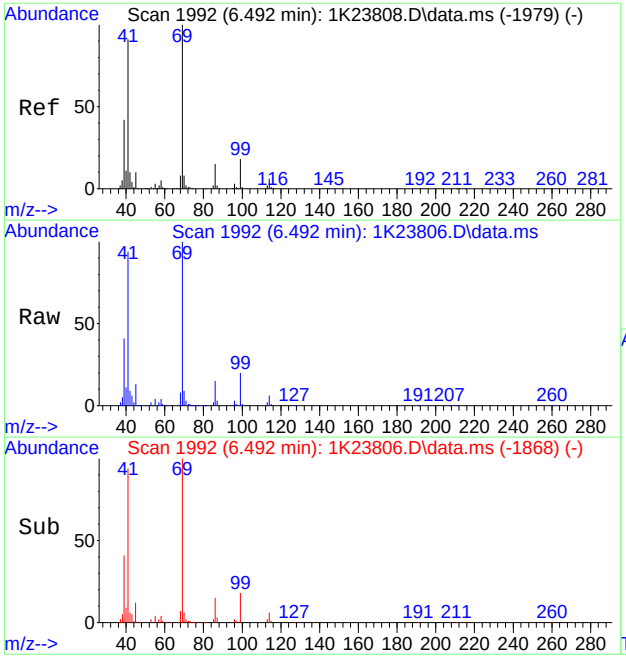


#74
toluene
Concen: 18.66 ug/L
RT: 6.158 min Scan# 1888
Delta R.T. 0.000 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 92 Resp: 265349

Ion	Ratio	Lower	Upper
92	100		
91	160.5	140.0	180.0
65	21.1	0.0	39.6

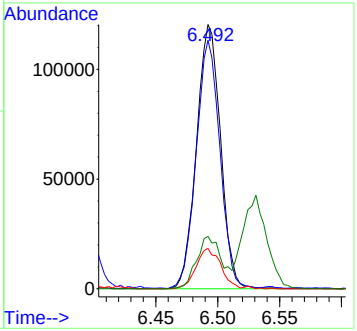


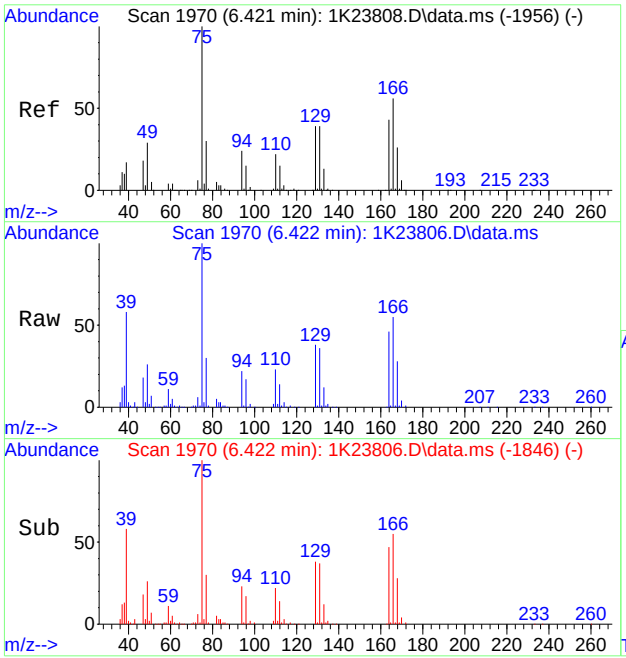


#75
ethyl methacrylate
Concen: 19.92 ug/L
RT: 6.492 min Scan# 1992
Delta R.T. 0.000 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 69 Resp: 163206

Ion	Ratio	Lower	Upper
69	100		
41	93.8	71.2	111.2
86	15.3	0.0	35.1
99	19.8	0.0	38.4

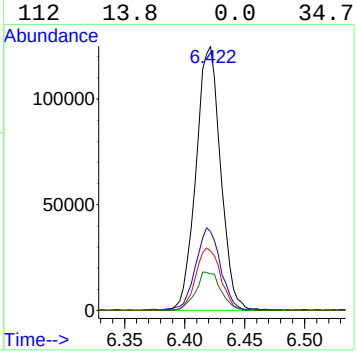


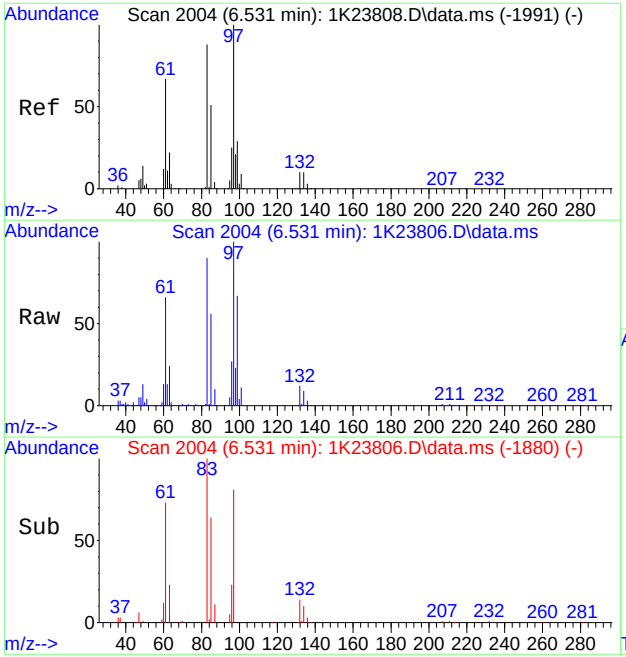


#76
trans-1,3-dichloropropene
Concen: 19.57 ug/L
RT: 6.422 min Scan# 1970
Delta R.T. 0.000 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 75 Resp: 178264

Ion	Ratio	Lower	Upper
75	100		
77	29.8	10.4	50.4
110	22.5	2.4	42.4
112	13.8	0.0	34.7

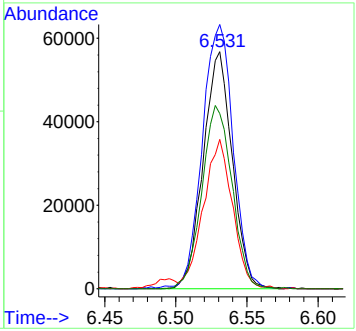


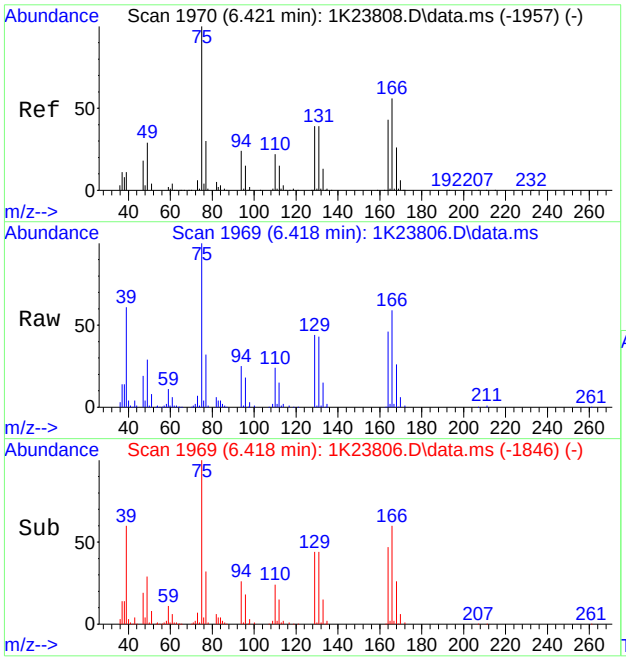


#77
1,1,2-trichloroethane
Concen: 20.66 ug/L
RT: 6.531 min Scan# 2004
Delta R.T. 0.000 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 83 Resp: 80930

Ion	Ratio	Lower	Upper
83	100		
97	111.5	94.4	134.4
85	63.0	41.5	81.5
61	73.9	56.0	96.0

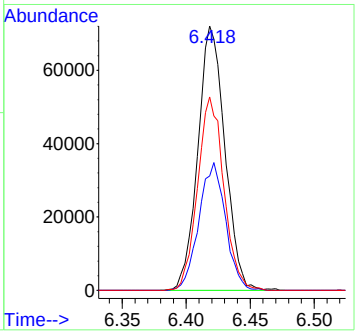


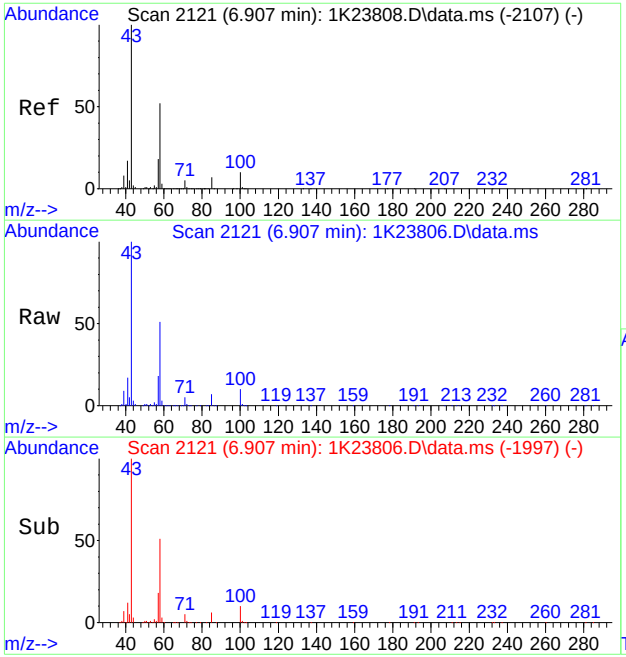


#78
tetrachloroethene
Concen: 19.21 ug/L
RT: 6.418 min Scan# 1969
Delta R.T. -0.003 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion:166 Resp: 105916

Ion	Ratio	Lower	Upper
166	100		
168	43.2	17.0	77.0
129	73.2	39.8	99.8

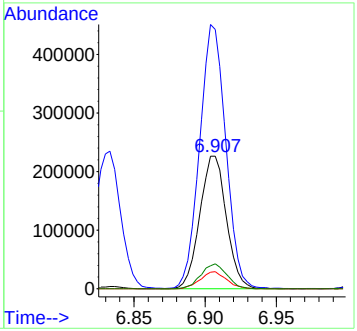


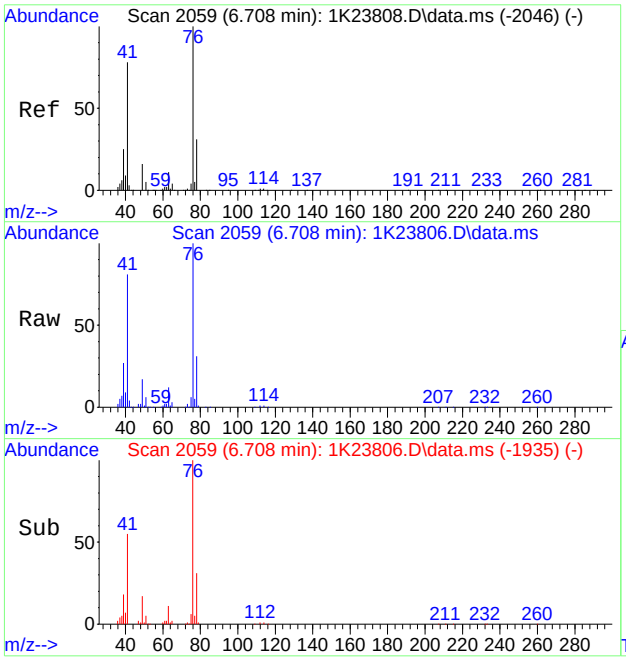


#79
2-hexanone
Concen: 79.04 ug/L
RT: 6.907 min Scan# 2121
Delta R.T. 0.000 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 58 Resp: 294736

Ion	Ratio	Lower	Upper
58	100		
43	195.1	172.5	212.5
85	13.0	0.0	32.5
100	18.8	0.0	39.5

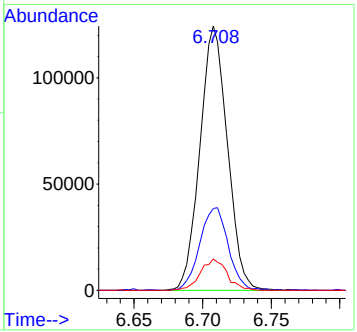


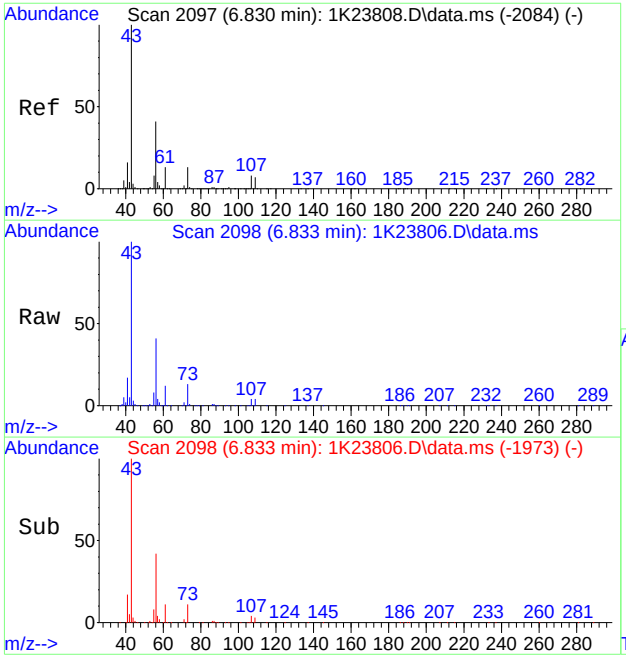


#80
1,3-dichloropropane
Concen: 19.52 ug/L
RT: 6.708 min Scan# 2059
Delta R.T. 0.000 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 76 Resp: 173418

Ion	Ratio	Lower	Upper
76	100		
78	30.9	0.6	60.6
63	11.9	0.0	41.5

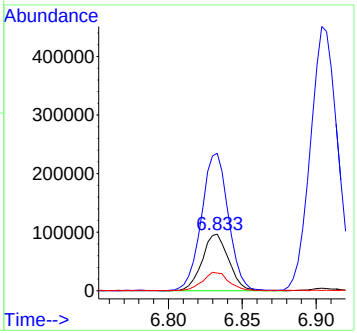


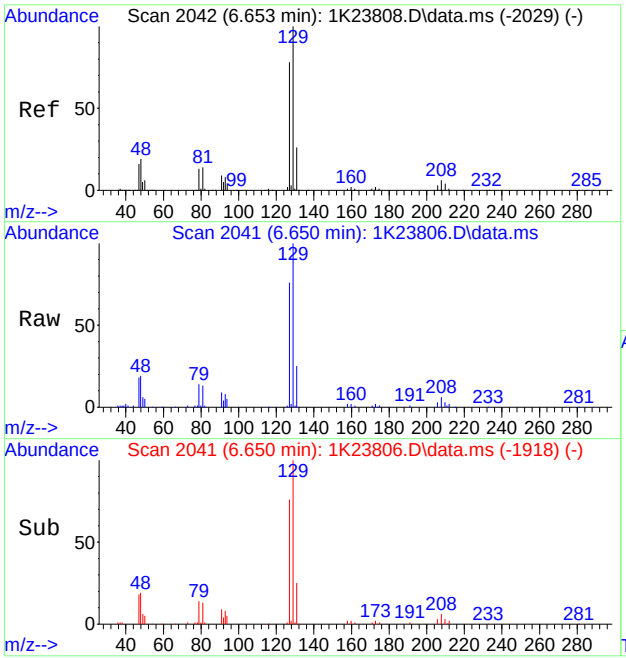


#81
butyl acetate
Concen: 19.91 ug/L
RT: 6.833 min Scan# 2098
Delta R.T. 0.003 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 56 Resp: 120557

Ion	Ratio	Lower	Upper
56	100		
43	242.7	215.3	275.3
73	30.7	2.2	62.2

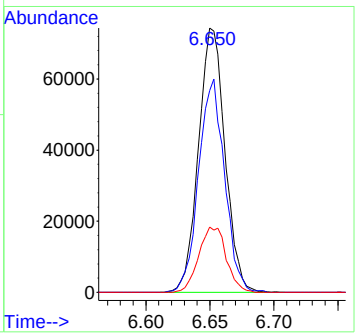


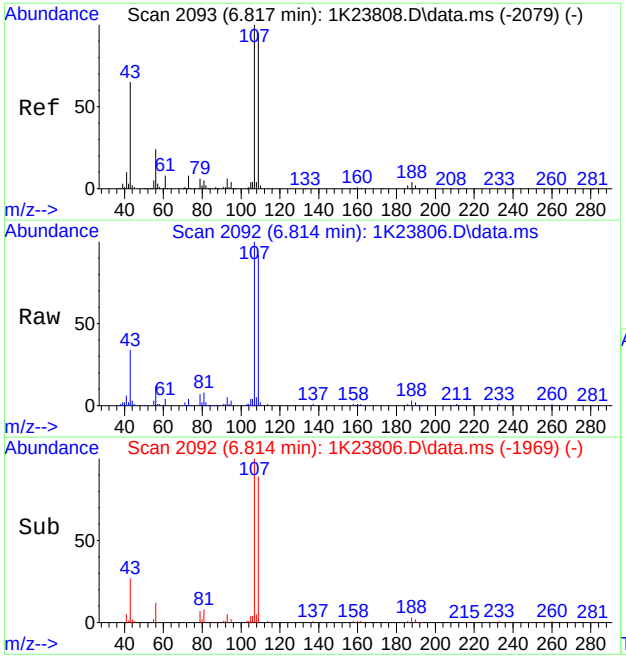


#82
dibromochloromethane
Concen: 19.01 ug/L
RT: 6.650 min Scan# 2041
Delta R.T. -0.003 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion:129 Resp: 107304

Ion	Ratio	Lower	Upper
129	100		
127	76.3	47.8	107.8
131	24.7	0.0	55.8

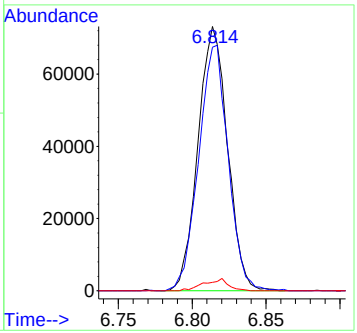


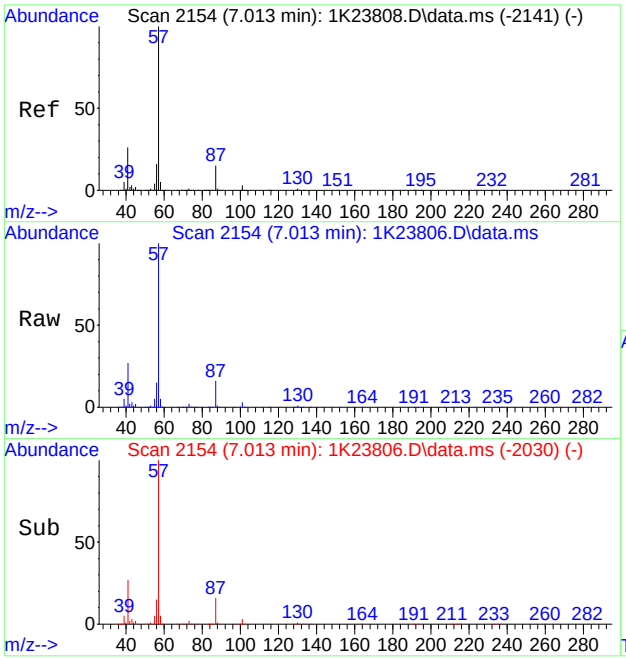


#83
1,2-dibromoethane
Concen: 20.44 ug/L
RT: 6.814 min Scan# 2092
Delta R.T. -0.003 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion:107 Resp: 101618

Ion	Ratio	Lower	Upper
107	100		
109	92.1	65.3	125.3
188	3.2	0.0	33.6

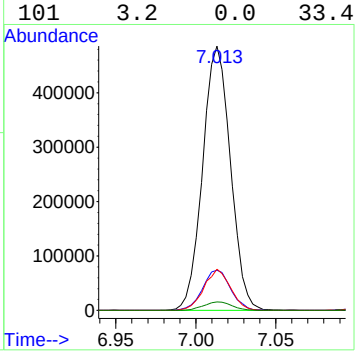


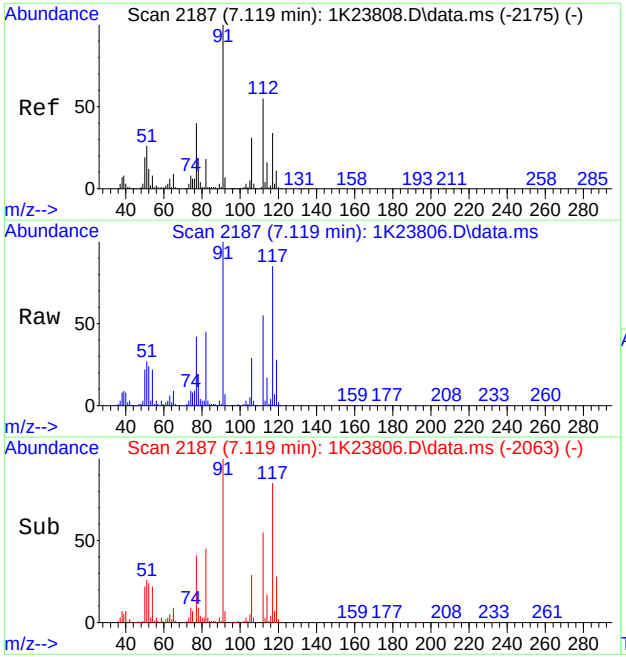


#84
n-butyl ether
Concen: 19.92 ug/L
RT: 7.013 min Scan# 2154
Delta R.T. 0.000 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 57 Resp: 587977

Ion	Ratio	Lower	Upper
57	100		
56	15.1	0.0	45.7
87	15.6	0.0	44.9
101	3.2	0.0	33.4

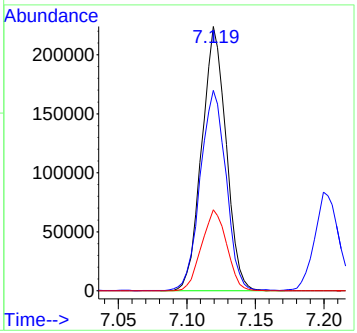


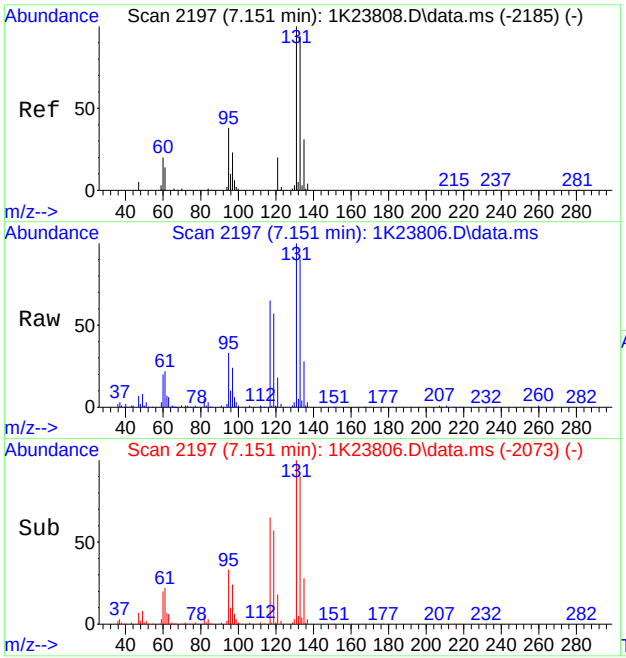


#85
chlorobenzene
Concen: 18.75 ug/L
RT: 7.119 min Scan# 2187
Delta R.T. 0.000 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion:112 Resp: 276078

Ion	Ratio	Lower	Upper
112	100		
77	75.6	43.7	103.7
114	30.7	0.0	59.8

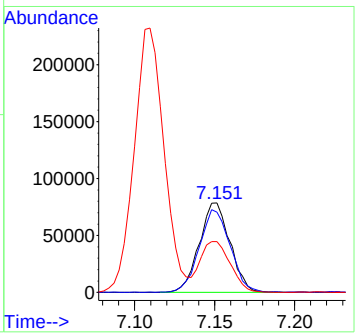


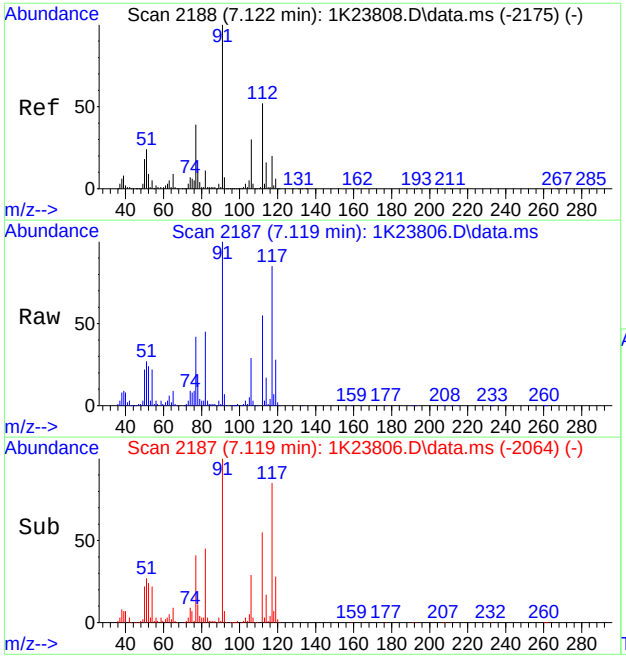


#86
1,1,1,2-tetrachloroethane
Concen: 19.57 ug/L
RT: 7.151 min Scan# 2197
Delta R.T. 0.000 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion:131 Resp: 105094

Ion	Ratio	Lower	Upper
131	100		
133	89.8	64.3	124.3
119	56.9	27.7	87.7

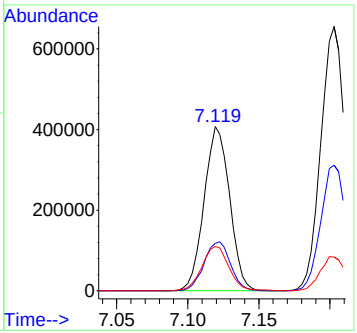


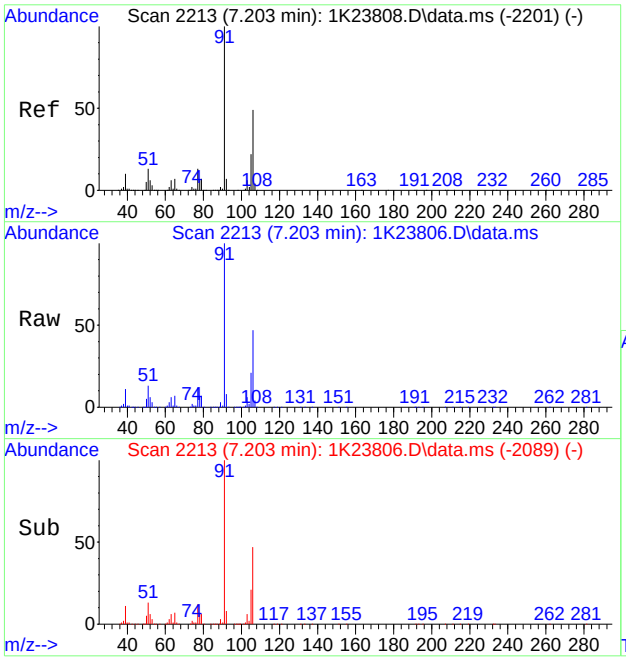


#87
ethylbenzene
Concen: 18.74 ug/L
RT: 7.119 min Scan# 2187
Delta R.T. -0.003 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 91 Resp: 508017

Ion	Ratio	Lower	Upper
91	100		
106	28.9	0.3	60.3
51	27.0	0.0	54.3

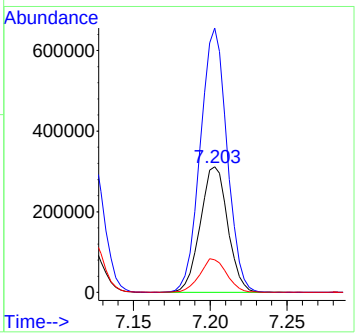


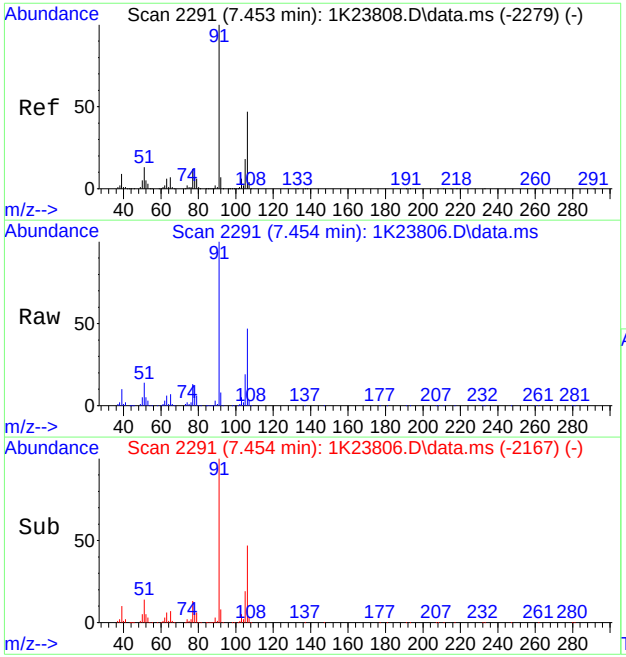


#88
m,p-xylene
Concen: 38.36 ug/L
RT: 7.203 min Scan# 2213
Delta R.T. 0.000 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion:106 Resp: 387522

Ion	Ratio	Lower	Upper
106	100		
91	210.7	176.0	236.0
77	25.8	5.9	45.9

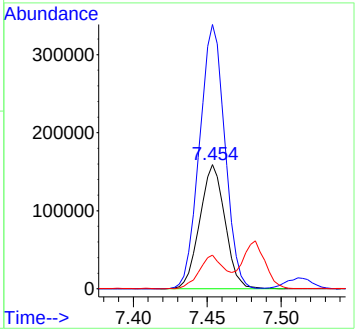


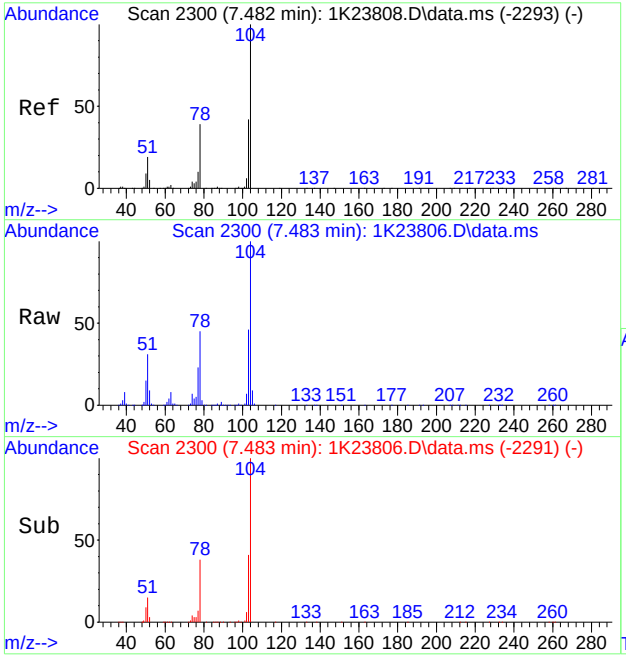


#89
o-xylene
Concen: 19.57 ug/L
RT: 7.454 min Scan# 2291
Delta R.T. 0.000 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion:106 Resp: 188315

Ion	Ratio	Lower	Upper
106	100		
91	213.1	183.9	243.9
77	27.1	5.0	45.0

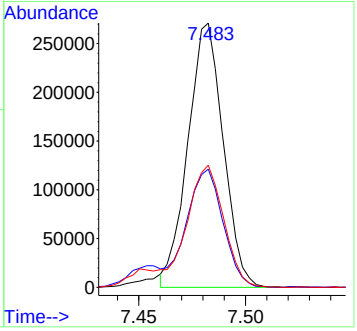


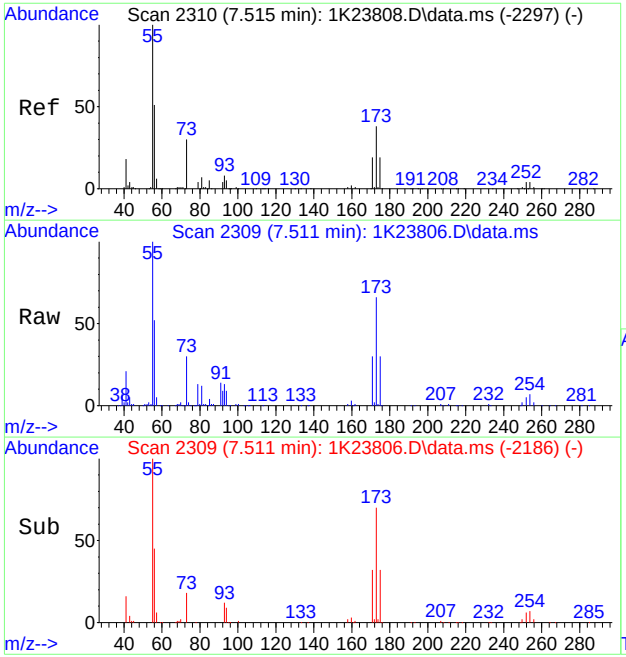


#90
styrene
Concen: 19.31 ug/L
RT: 7.483 min Scan# 2300
Delta R.T. 0.000 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion:104 Resp: 312469

Ion	Ratio	Lower	Upper
104	100		
78	44.7	13.8	73.8
103	46.2	16.3	76.3

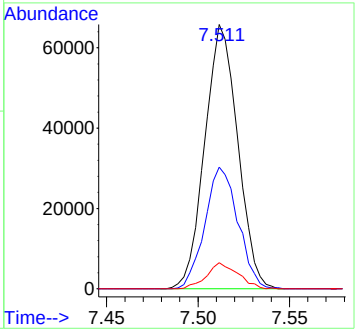


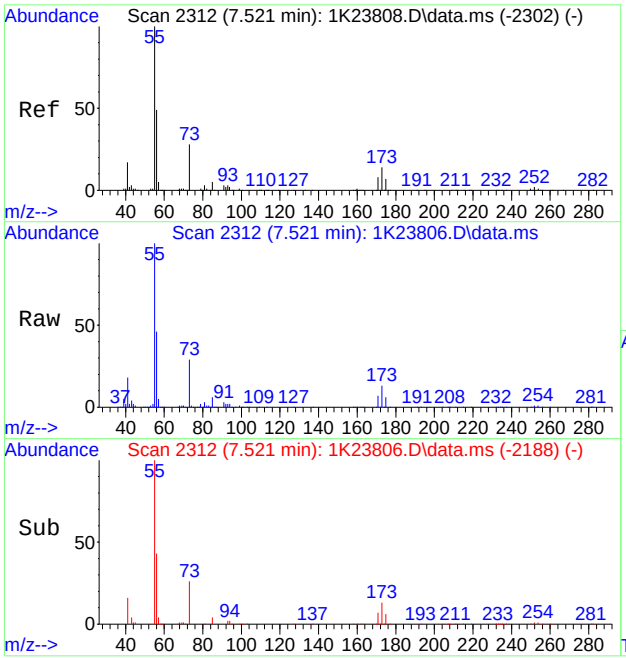


#91
bromoform
Concen: 20.89 ug/L
RT: 7.511 min Scan# 2309
Delta R.T. -0.003 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion:173 Resp: 82368

Ion	Ratio	Lower	Upper
173	100		
175	46.0	20.6	80.6
254	9.9	0.0	39.4

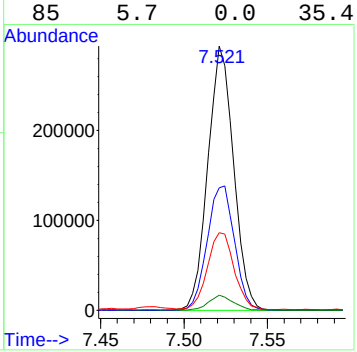


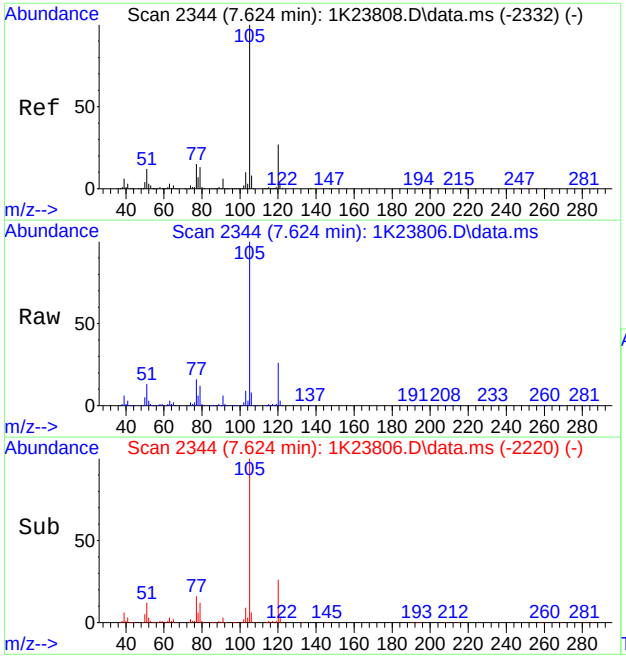


#92
butyl acrylate
Concen: 20.23 ug/L
RT: 7.521 min Scan# 2312
Delta R.T. 0.000 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 55 Resp: 315763

Ion	Ratio	Lower	Upper
55	100		
56	46.4	19.2	79.2
73	28.9	0.0	59.1
85	5.7	0.0	35.4

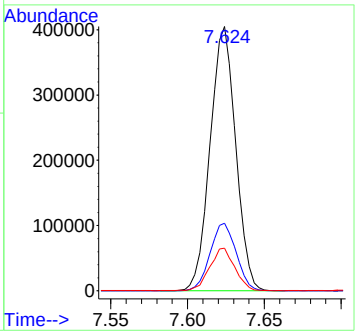


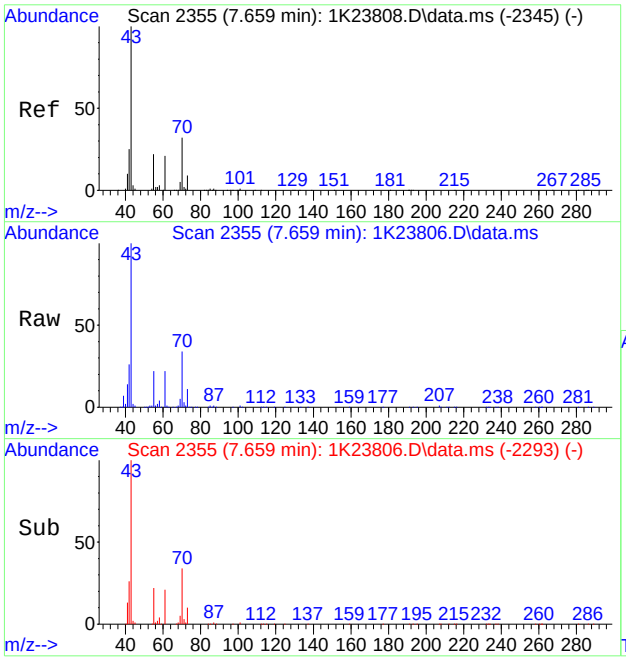


#93
isopropylbenzene
Concen: 19.75 ug/L
RT: 7.624 min Scan# 2344
Delta R.T. 0.000 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion:105 Resp: 468779

Ion	Ratio	Lower	Upper
105	100		
120	25.5	7.4	47.4
77	16.1	0.0	35.4

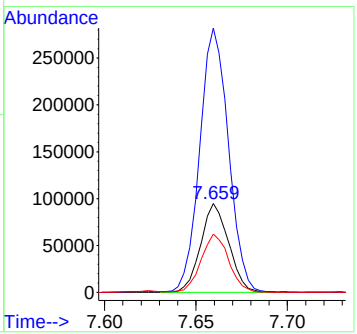


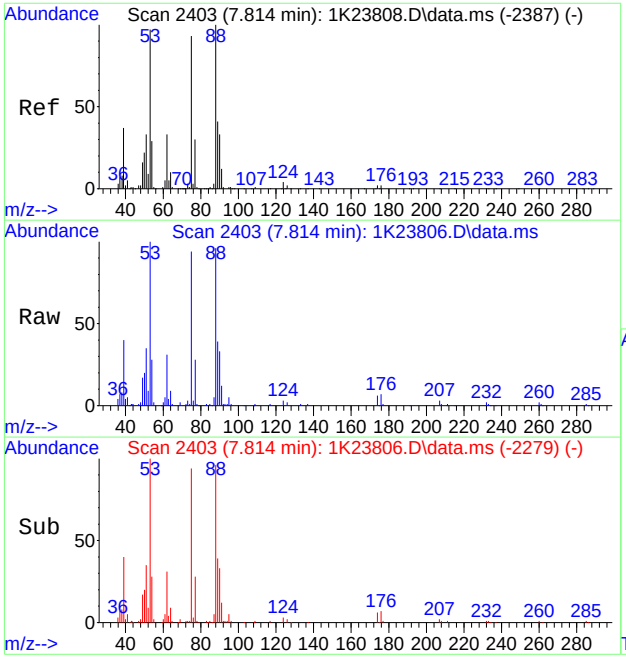


#94
n-amyl acetate
Concen: 19.70 ug/L
RT: 7.659 min Scan# 2355
Delta R.T. 0.000 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 70 Resp: 101630

Ion	Ratio	Lower	Upper
70	100		
43	296.3	293.9	333.9
61	65.7	48.4	88.4

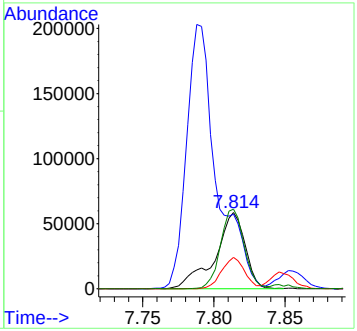


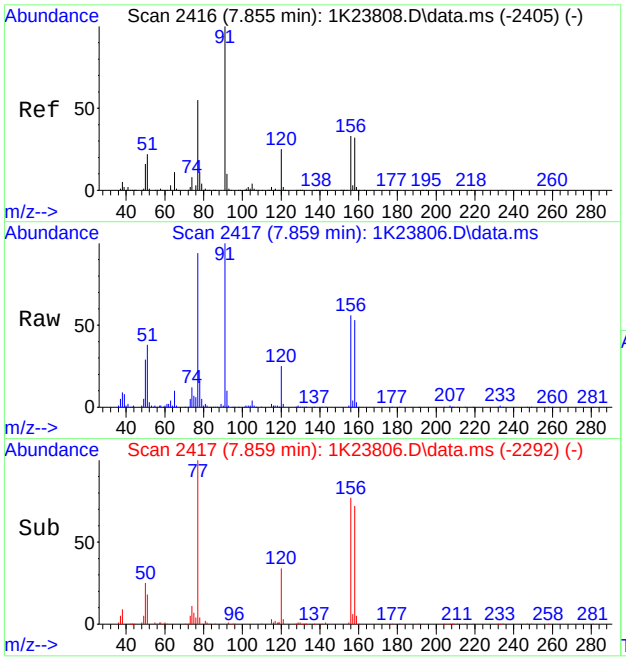


#95
cis-1,4-dichloro-2-butene
Concen: 25.61 ug/L
RT: 7.814 min Scan# 2403
Delta R.T. 0.000 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 88 Resp: 86680

Ion	Ratio	Lower	Upper
88	100		
75	96.8	72.9	112.9
89	41.1	20.6	60.6
53	103.9	76.9	116.9

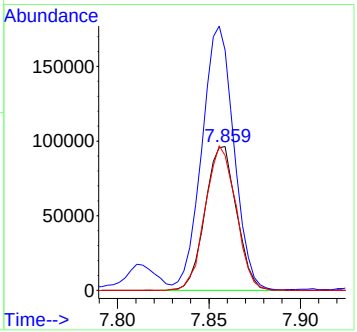


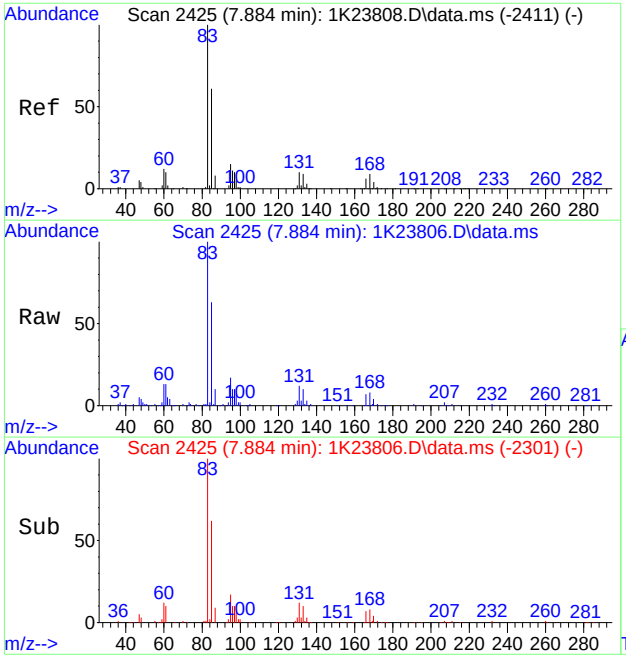


#98
bromobenzene
Concen: 19.58 ug/L
RT: 7.859 min Scan# 2417
Delta R.T. 0.003 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion:156 Resp: 115974

Ion	Ratio	Lower	Upper
156	100		
77	166.5	150.1	210.1
158	93.7	66.6	126.6

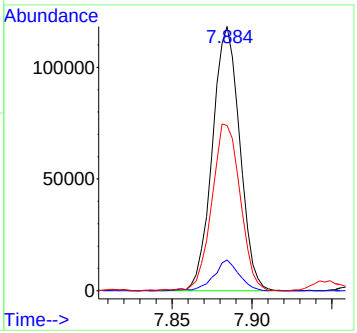


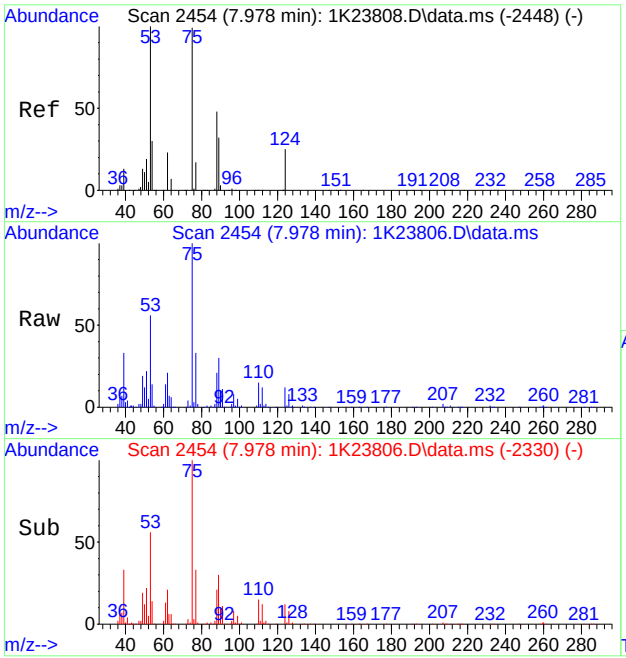


#99
1,1,2,2-tetrachloroethane
Concen: 18.94 ug/L
RT: 7.884 min Scan# 2425
Delta R.T. 0.000 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 83 Resp: 140667

Ion	Ratio	Lower	Upper
83	100		
131	11.7	0.0	40.0
85	62.5	31.1	91.1

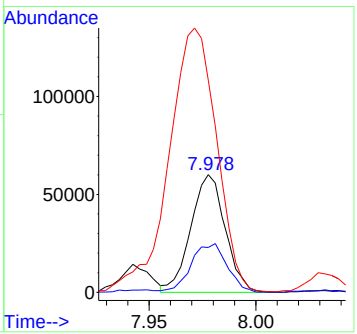


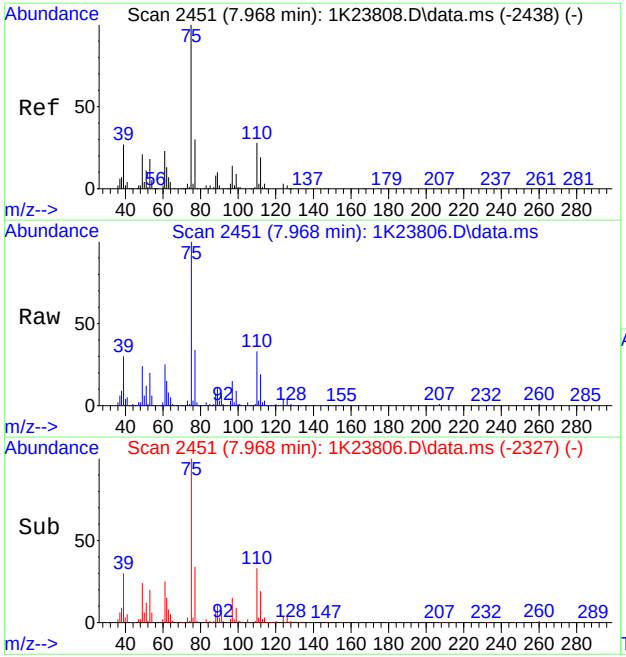


#100
trans-1,4-dichloro-2-butene
Concen: 20.28 ug/L
RT: 7.978 min Scan# 2454
Delta R.T. 0.000 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 53 Resp: 67376

Ion	Ratio	Lower	Upper
53	100		
88	38.2	17.1	77.1
75	178.8	162.2	222.2

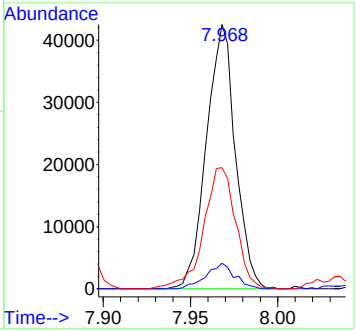


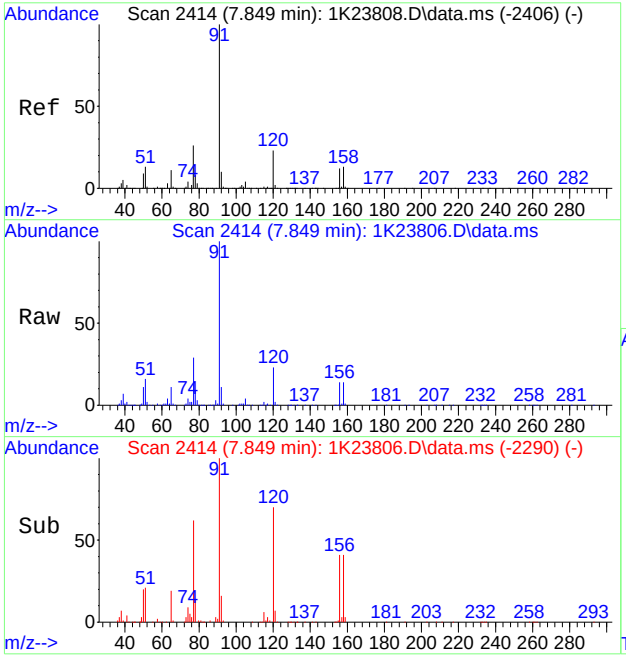


#101
1,2,3-trichloropropane
Concen: 19.85 ug/L
RT: 7.968 min Scan# 2451
Delta R.T. 0.000 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion:110 Resp: 49069

Ion	Ratio	Lower	Upper
110	100		
111	9.7	0.0	39.1
97	45.8	20.8	80.8

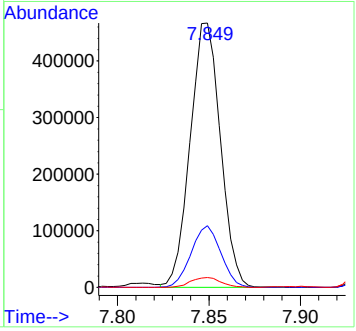


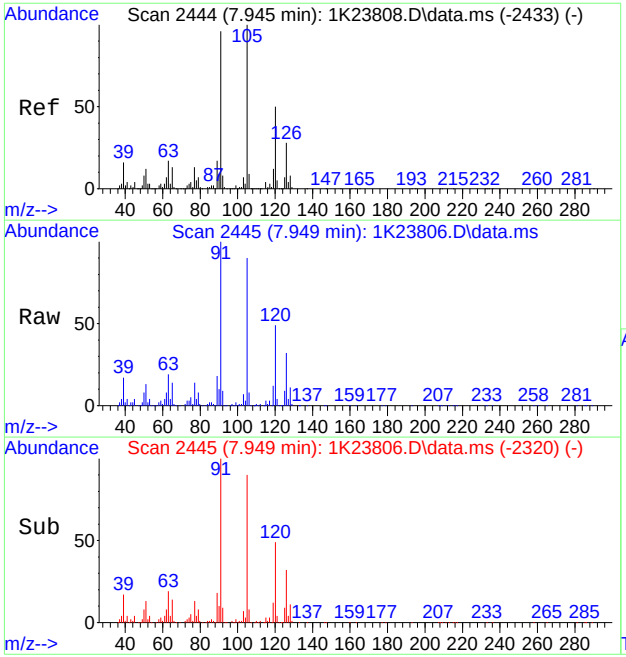


#102
n-propylbenzene
Concen: 19.90 ug/L
RT: 7.849 min Scan# 2414
Delta R.T. 0.000 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 91 Resp: 539109

Ion	Ratio	Lower	Upper
91	100		
120	23.3	0.0	52.5
105	3.7	0.0	33.5

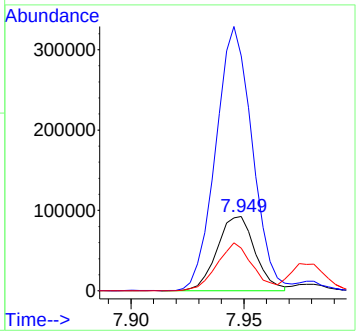


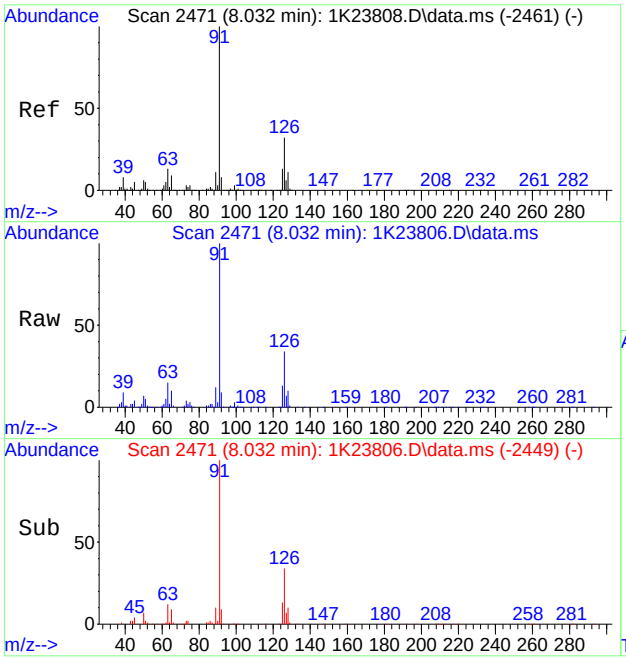


#103
2-chlorotoluene
Concen: 19.38 ug/L
RT: 7.949 min Scan# 2445
Delta R.T. 0.003 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion:126 Resp: 108378

Ion	Ratio	Lower	Upper
126	100		
91	315.8	316.4	376.4#
89	57.3	33.0	93.0

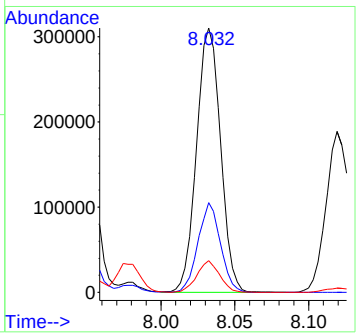


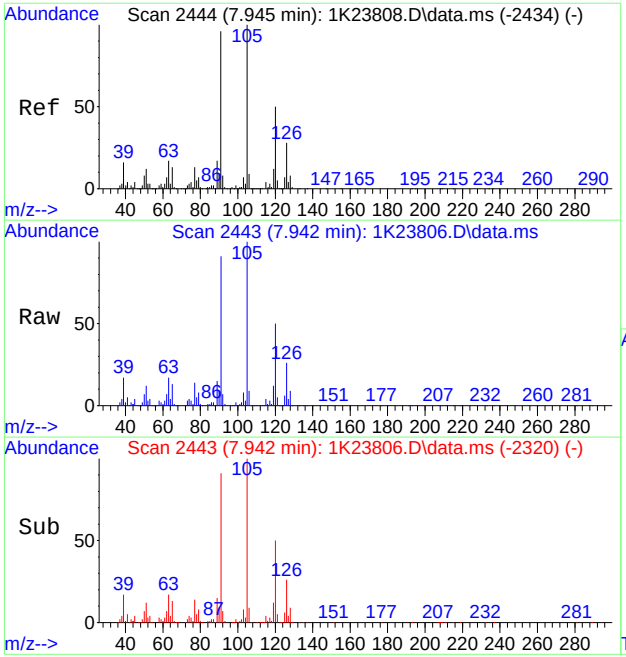


#104
4-chlorotoluene
Concen: 19.54 ug/L
RT: 8.032 min Scan# 2471
Delta R.T. 0.000 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 91 Resp: 350137

Ion	Ratio	Lower	Upper
91	100		
126	33.9	2.1	62.1
89	12.0	0.0	41.4

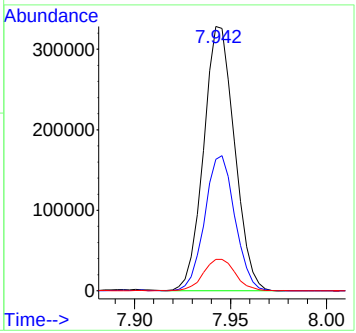


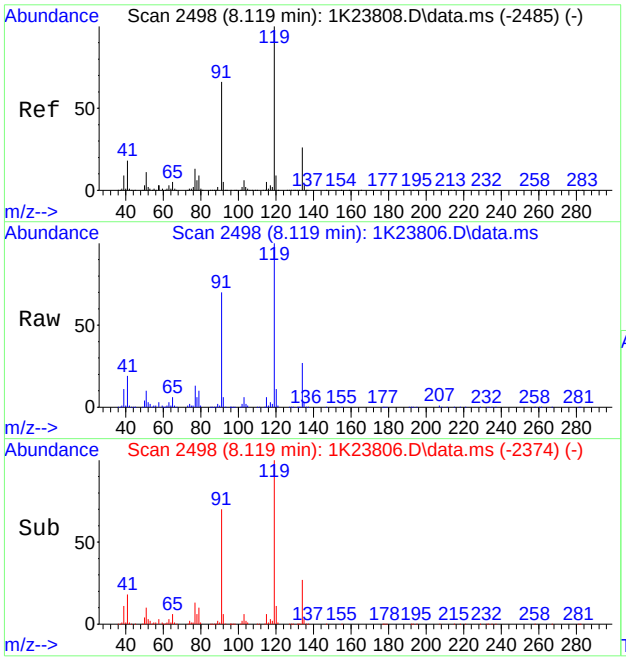


#105
1,3,5-trimethylbenzene
Concen: 19.88 ug/L
RT: 7.942 min Scan# 2443
Delta R.T. -0.003 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion:105 Resp: 368649

Ion	Ratio	Lower	Upper
105	100		
120	49.7	20.0	80.0
119	11.8	0.0	41.7

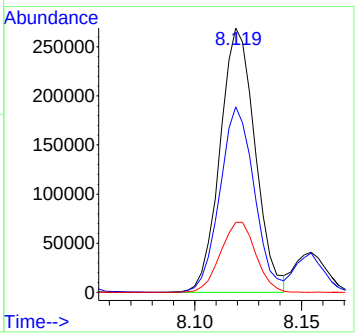


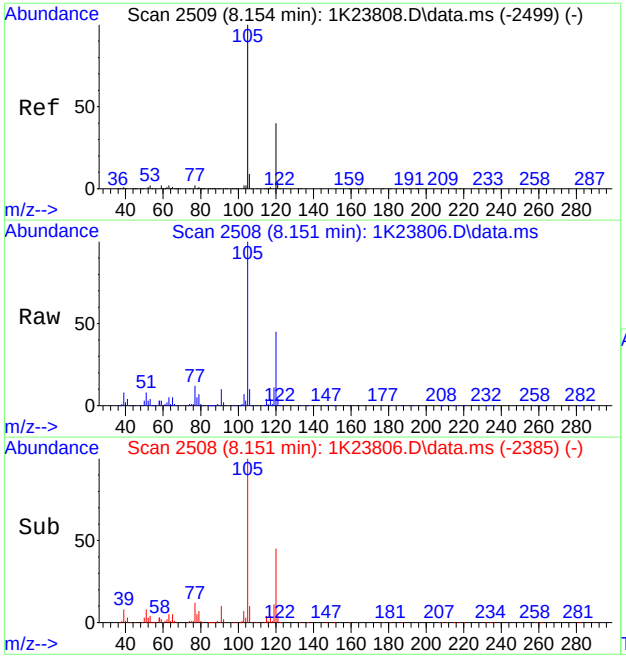


#106
tert-butylbenzene
Concen: 19.10 ug/L
RT: 8.119 min Scan# 2498
Delta R.T. 0.000 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion:119 Resp: 308044

Ion	Ratio	Lower	Upper
119	100		
91	70.2	36.3	96.3
134	26.5	0.0	56.2

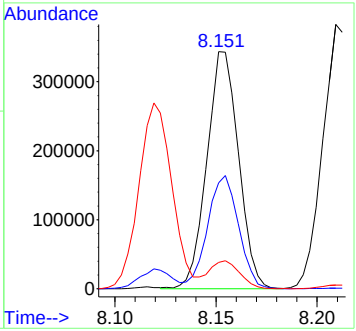


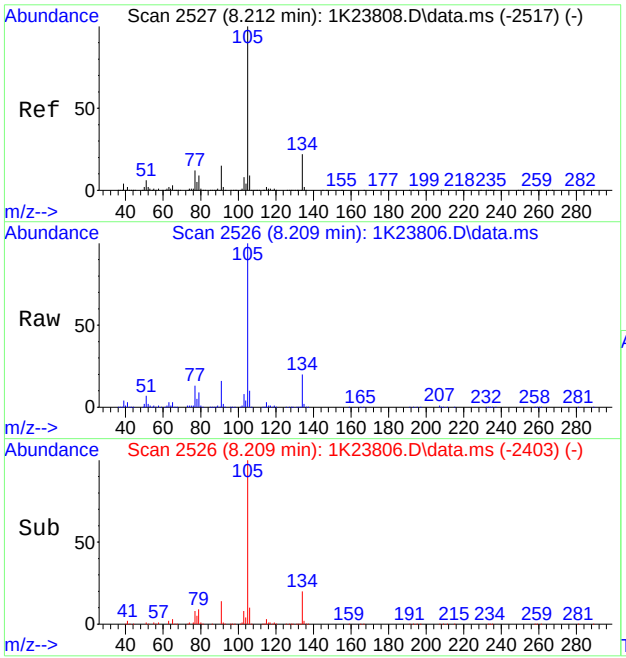


#107
1,2,4-trimethylbenzene
Concen: 19.38 ug/L
RT: 8.151 min Scan# 2508
Delta R.T. -0.003 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion:105 Resp: 374994

Ion	Ratio	Lower	Upper
105	100		
120	44.8	17.1	77.1
119	11.1	0.0	42.1

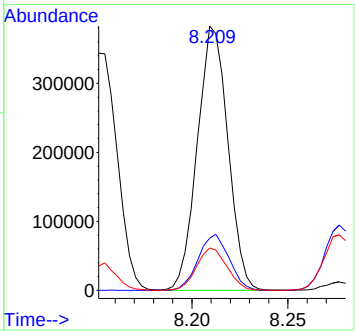


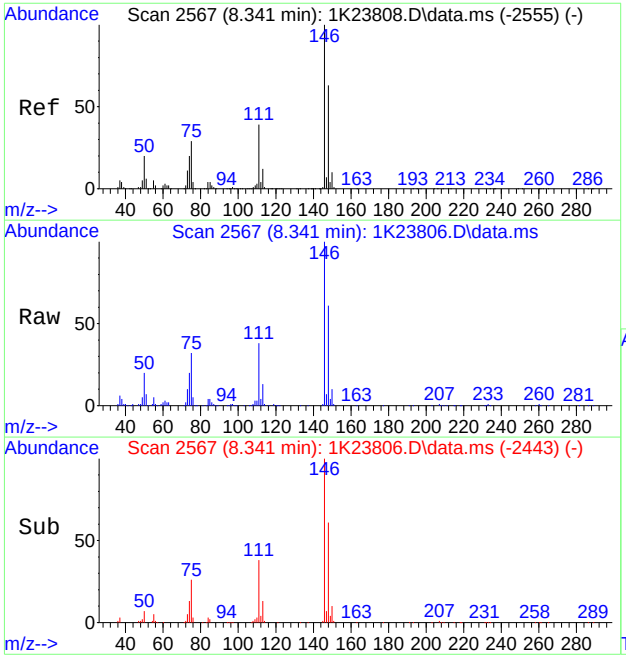


#108
sec-butylbenzene
Concen: 19.94 ug/L
RT: 8.209 min Scan# 2526
Delta R.T. -0.003 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion:105 Resp: 425425

Ion	Ratio	Lower	Upper
105	100		
134	19.7	0.0	51.5
91	16.0	0.0	45.0

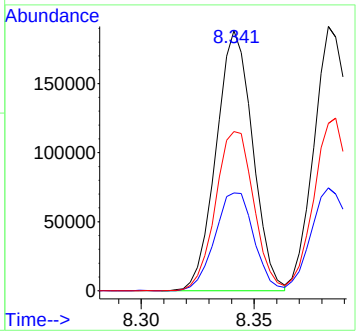


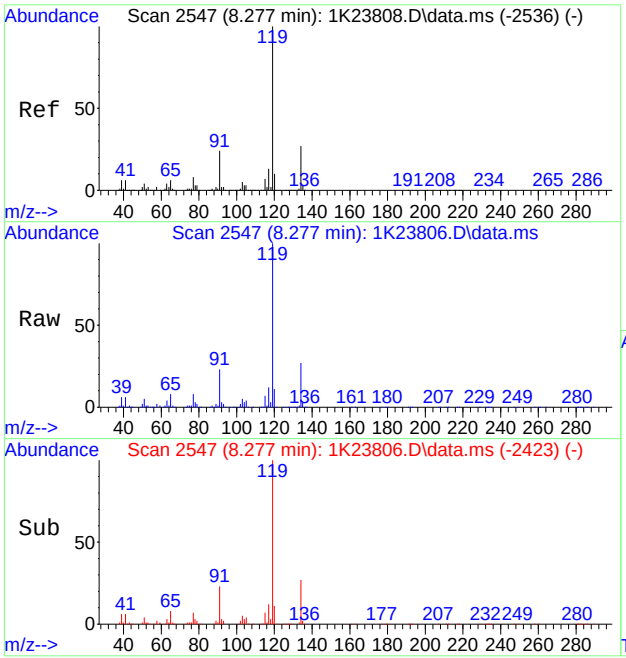


#109
1,3-dichlorobenzene
Concen: 19.66 ug/L
RT: 8.341 min Scan# 2567
Delta R.T. 0.000 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion:146 Resp: 211559

Ion	Ratio	Lower	Upper
146	100		
111	37.6	8.9	68.9
148	61.2	32.9	92.9

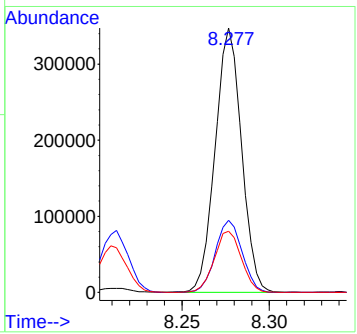


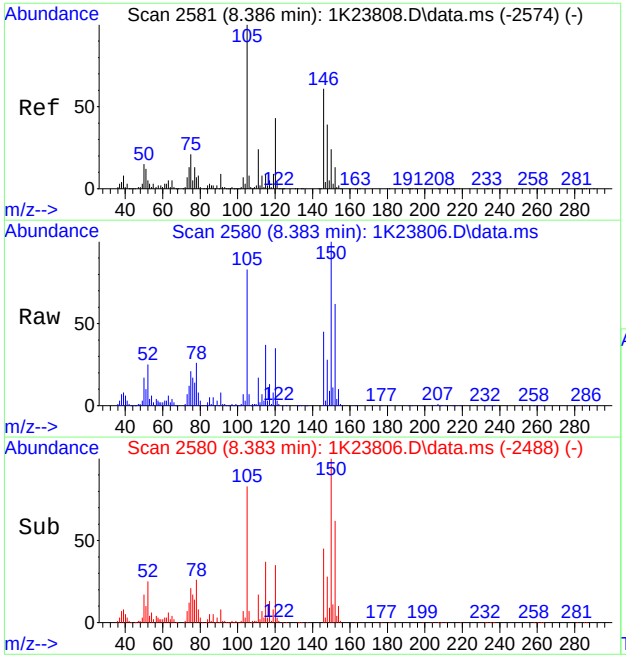


#110
p-isopropyltoluene
Concen: 19.64 ug/L
RT: 8.277 min Scan# 2547
Delta R.T. 0.000 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion:119 Resp: 365282

Ion	Ratio	Lower	Upper
119	100		
134	27.3	0.0	56.8
91	23.1	0.0	53.8

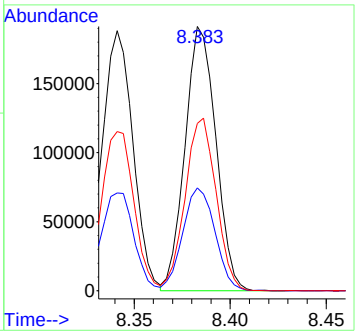


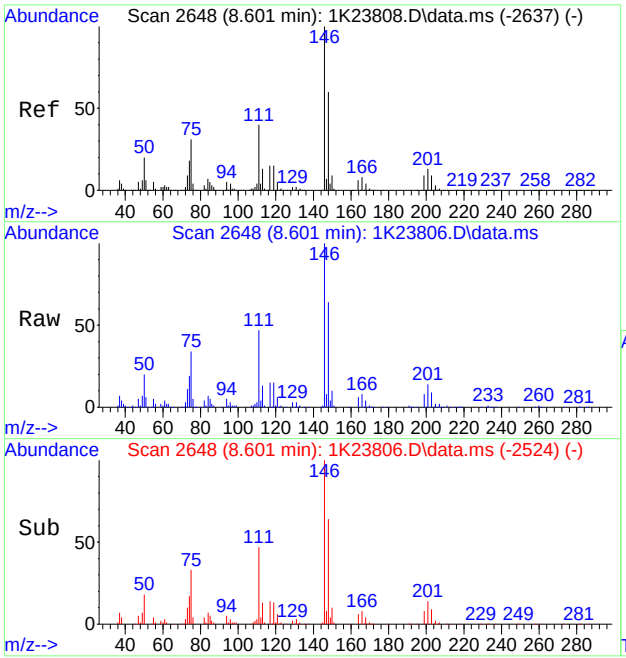


#111
1,4-dichlorobenzene
Concen: 19.02 ug/L
RT: 8.383 min Scan# 2580
Delta R.T. -0.003 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion:146 Resp: 214325

Ion	Ratio	Lower	Upper
146	100		
111	38.9	9.1	69.1
148	63.3	33.9	93.9

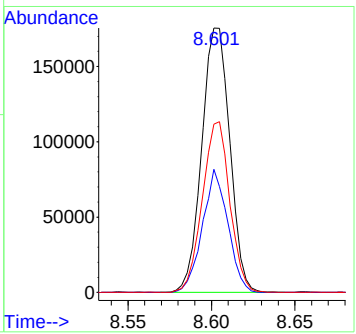


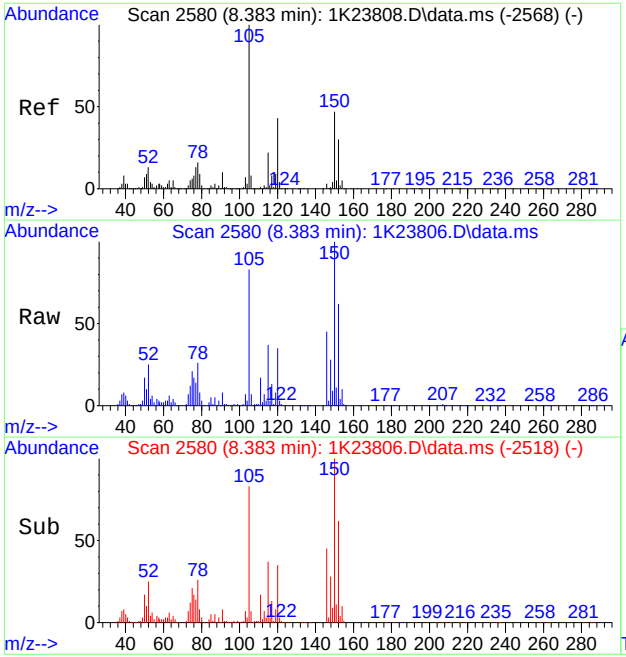


#112
1,2-dichlorobenzene
Concen: 19.95 ug/L
RT: 8.601 min Scan# 2648
Delta R.T. 0.000 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion:146 Resp: 204945

Ion	Ratio	Lower	Upper
146	100		
111	46.6	9.9	69.9
148	63.6	30.0	90.0

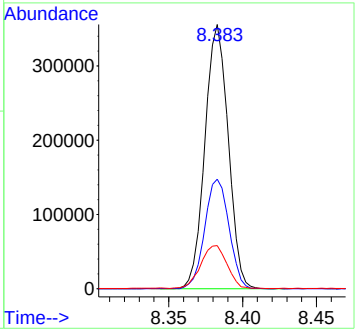


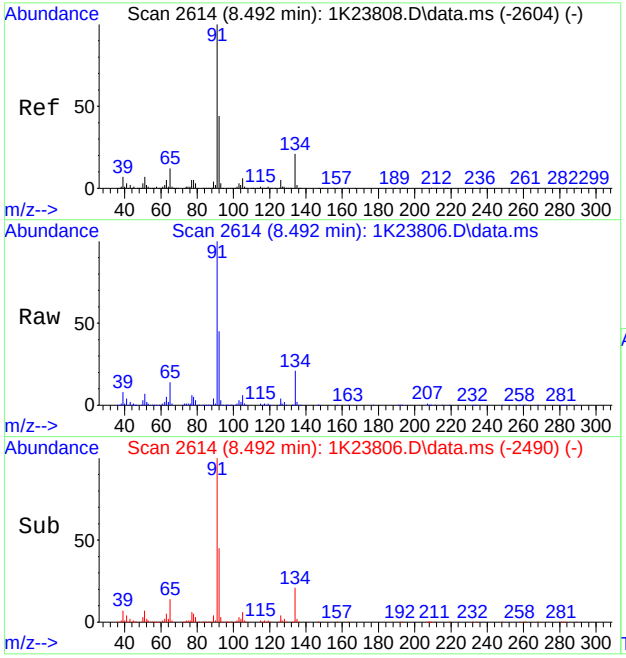


#113
1,2,3-trimethylbenzene
Concen: 19.51 ug/L
RT: 8.383 min Scan# 2580
Delta R.T. 0.000 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion:105 Resp: 390009

Ion	Ratio	Lower	Upper
105	100		
120	41.4	12.7	72.7
77	16.1	0.0	43.6

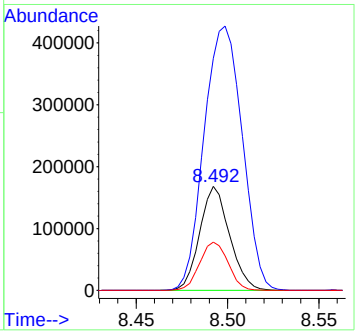


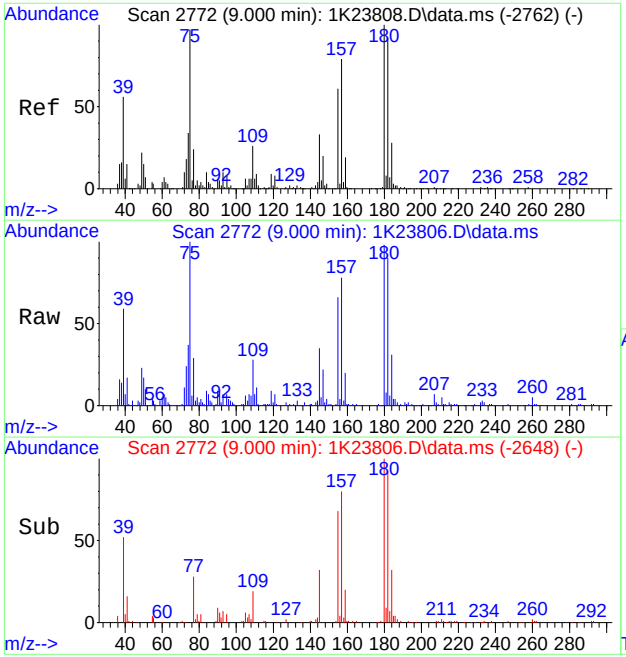


#114
n-butylbenzene
Concen: 19.10 ug/L
RT: 8.492 min Scan# 2614
Delta R.T. 0.000 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion: 92 Resp: 190996

Ion	Ratio	Lower	Upper
92	100		
91	222.7	199.3	259.3
134	46.3	17.7	77.7

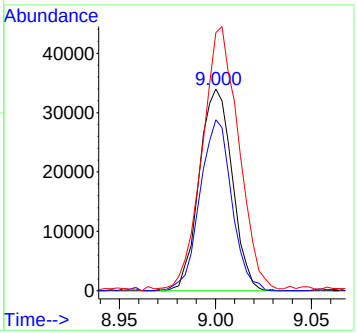


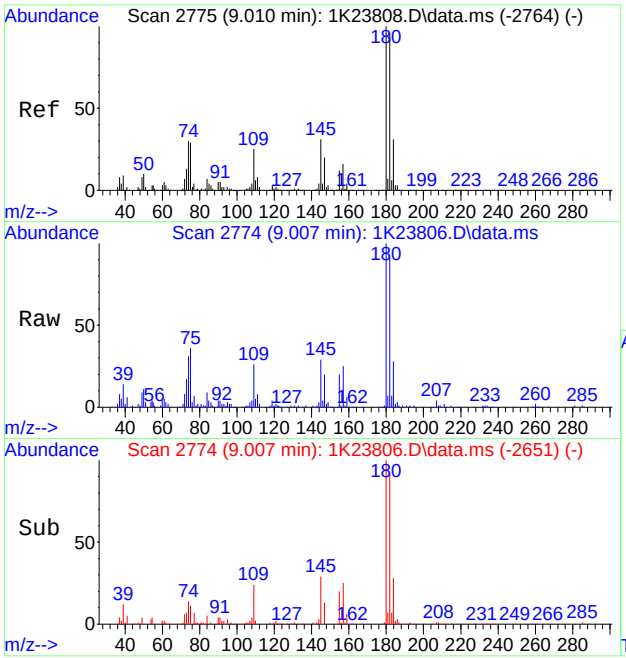


#115
1,2-dibromo-3-chloropropane
Concen: 19.49 ug/L
RT: 9.000 min Scan# 2772
Delta R.T. 0.000 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion:157 Resp: 40540

Ion	Ratio	Lower	Upper
157	100		
155	84.6	47.8	107.8
75	126.8	92.6	152.6

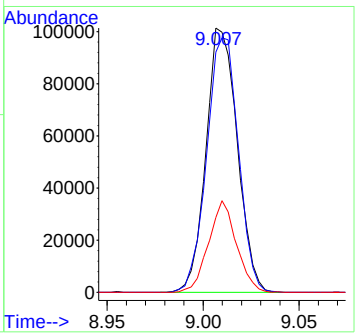


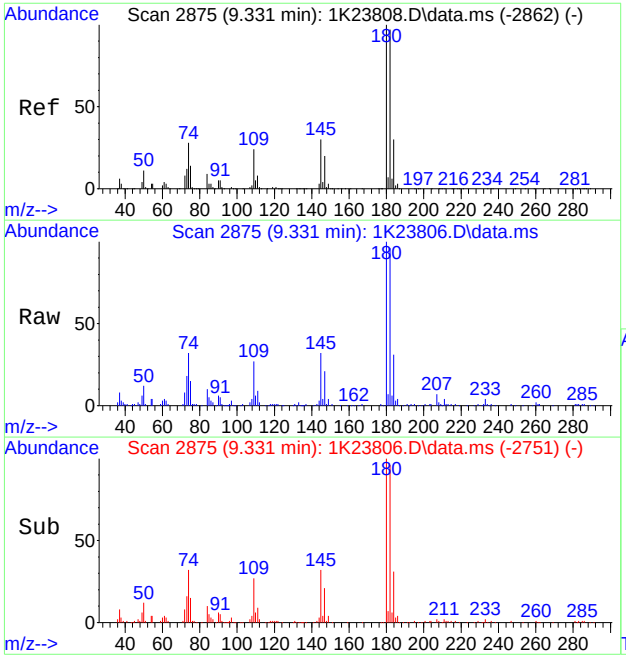


#116
1,3,5-trichlorobenzene
Concen: 18.65 ug/L
RT: 9.007 min Scan# 2774
Delta R.T. -0.003 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion:180 Resp: 114912

Ion	Ratio	Lower	Upper
180	100		
182	90.9	76.0	116.0
184	28.3	11.0	51.0

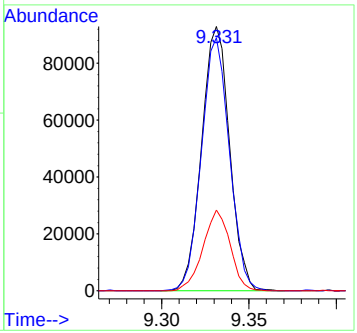


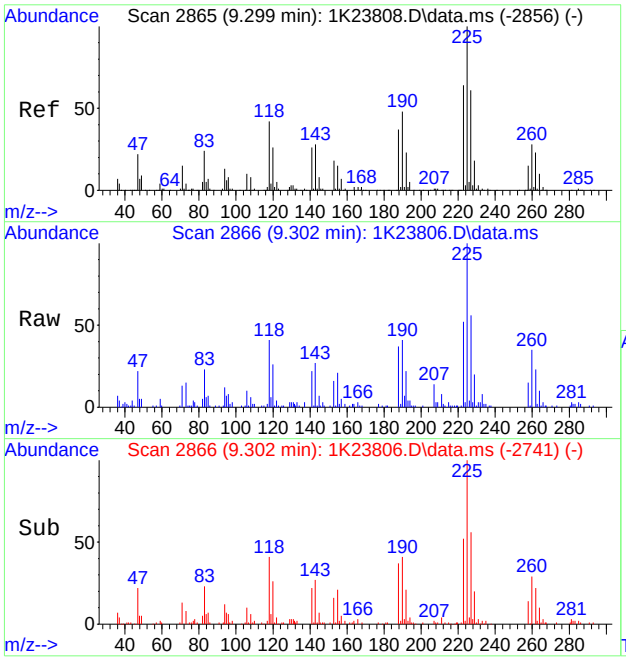


#117
1,2,4-trichlorobenzene
Concen: 18.95 ug/L
RT: 9.331 min Scan# 2875
Delta R.T. 0.000 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion:180 Resp: 103879

Ion	Ratio	Lower	Upper
180	100		
182	95.7	67.0	127.0
184	30.5	0.2	60.2

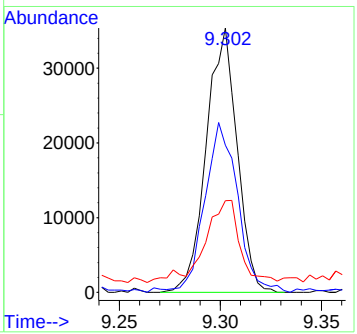


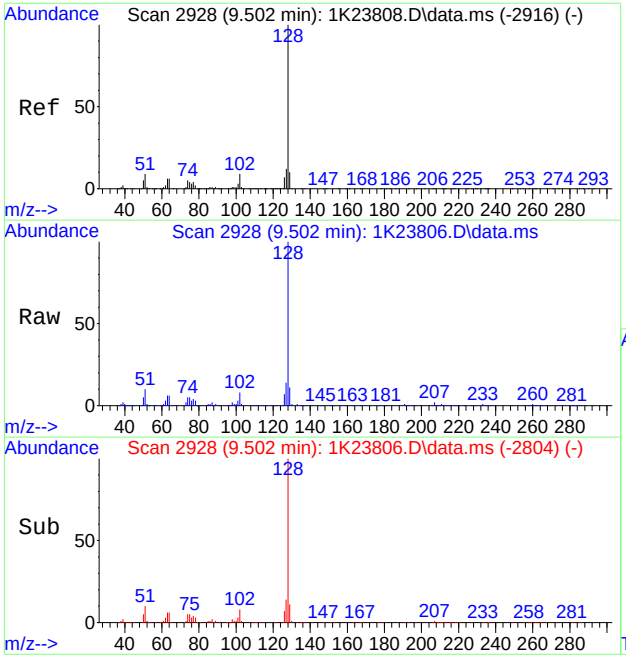


#118
hexachlorobutadiene
Concen: 19.28 ug/L
RT: 9.302 min Scan# 2866
Delta R.T. 0.003 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion:225 Resp: 37507

Ion	Ratio	Lower	Upper
225	100		
227	54.9	31.7	91.7
260	29.2	0.0	58.9

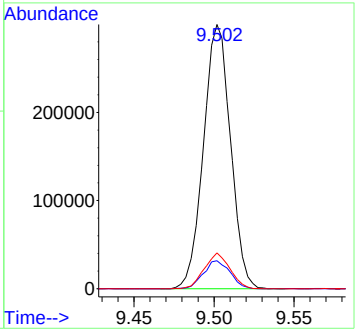


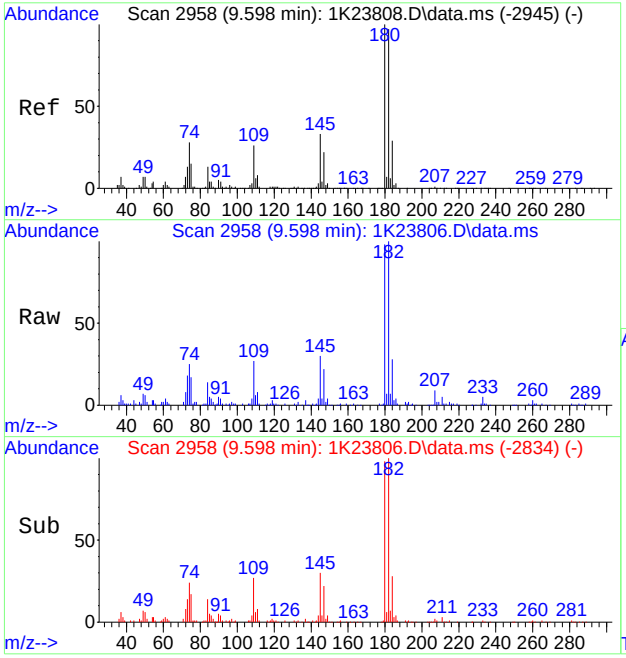


#119
naphthalene
Concen: 20.02 ug/L
RT: 9.502 min Scan# 2928
Delta R.T. 0.000 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion:128 Resp: 352147

Ion	Ratio	Lower	Upper
128	100		
129	10.6	0.0	40.4
127	13.5	0.0	42.3

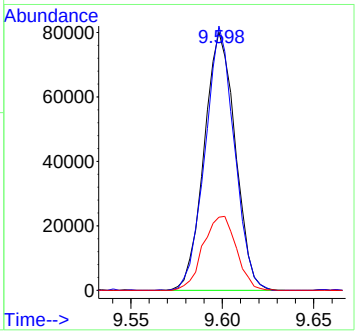


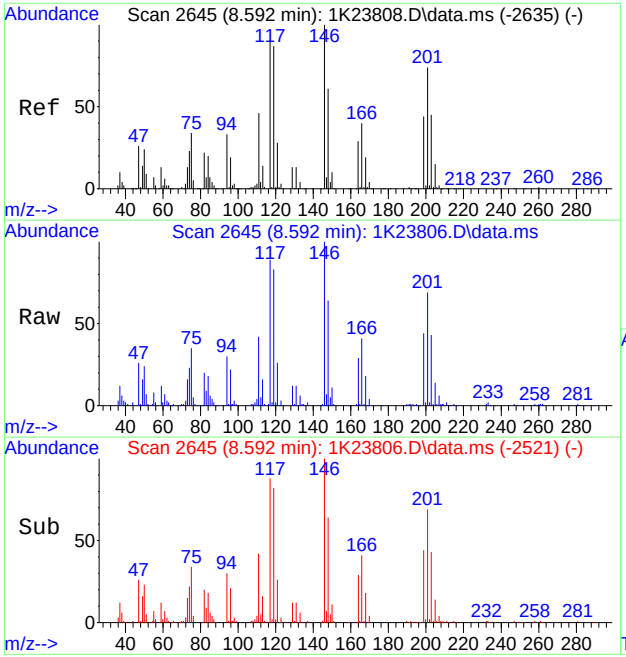


#120
1,2,3-trichlorobenzene
Concen: 19.97 ug/L
RT: 9.598 min Scan# 2958
Delta R.T. 0.000 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion:180 Resp: 95170

Ion	Ratio	Lower	Upper
180	100		
182	102.3	66.8	126.8
184	28.3	0.0	59.3

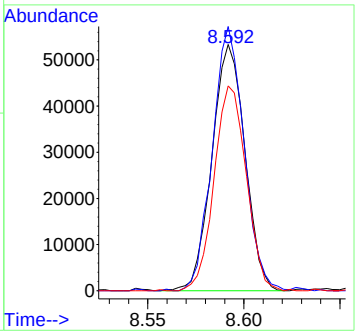


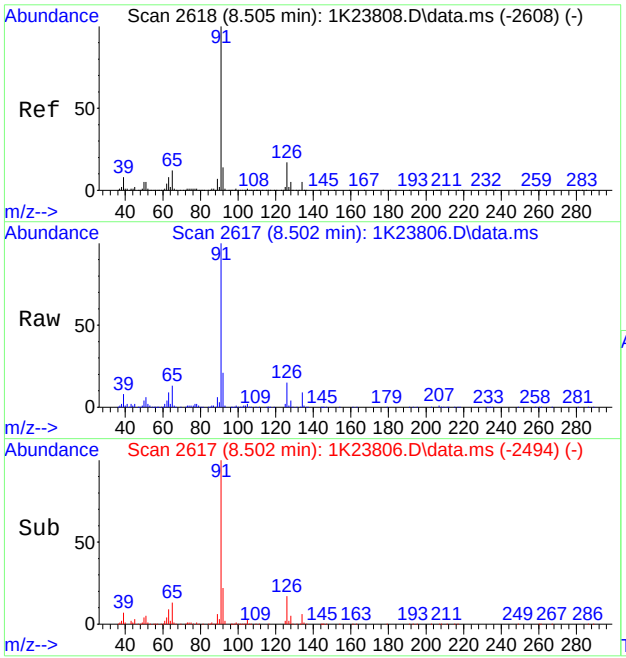


#121
hexachloroethane
Concen: 18.62 ug/L
RT: 8.592 min Scan# 2645
Delta R.T. 0.000 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion:119 Resp: 63973

Ion	Ratio	Lower	Upper
119	100		
117	107.3	74.2	134.2
201	83.1	55.5	115.5

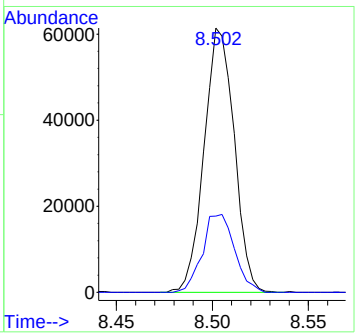


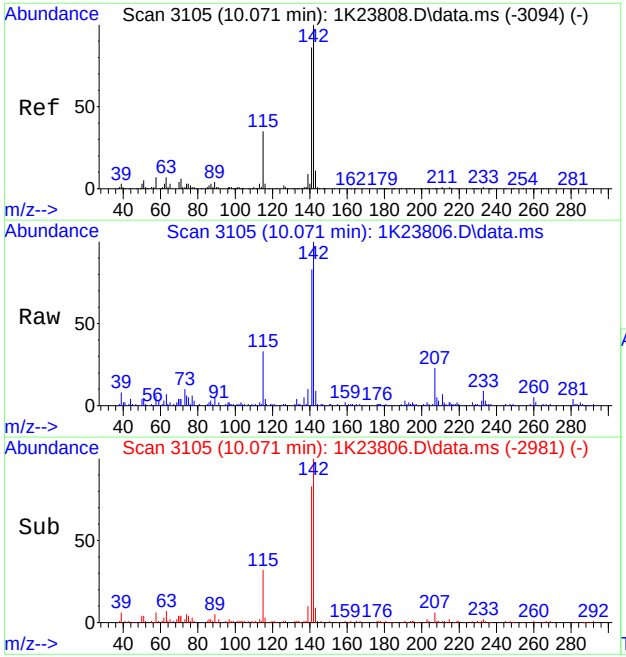


#122
benzyl chloride
Concen: 20.63 ug/L
RT: 8.502 min Scan# 2617
Delta R.T. -0.003 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion:126 Resp: 67055

Ion	Ratio	Lower	Upper
126	100		
128	28.9	0.0	59.1

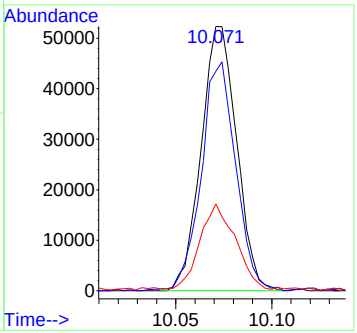




#123
2-methylnaphthalene
Concen: 9.53 ug/L
RT: 10.071 min Scan# 3105
Delta R.T. 0.000 min
Lab File: 1K23806.D
Acq: 6 Sep 2025 12:32 am

Tgt Ion:142 Resp: 67461

Ion	Ratio	Lower	Upper
142	100		
141	82.9	56.3	116.3
115	32.1	4.7	64.7



7.6.7

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 1K23808.D
Acq On : 6 Sep 2025 1:06 am
Operator : PrashanS
Sample : ICC658-50
Misc : MS95614,V1K658,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 08 10:37:38 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 10:33:32 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	3.486	65	340872	500.00	ug/L	0.00
5) pentafluorobenzene	4.804	168	782956	50.00	ug/L	0.00
50) 1,4-difluorobenzene	5.171	114	1255525	50.00	ug/L	0.00
72) chlorobenzene-d5	7.109	117	1041583	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	8.376	152	495909	50.00	ug/L	0.00
124) pentafluorobenzene(a)	4.804	168	782956	50.00	ug/L	0.00
128) 1,4-dichlorobenzene-d4(a)	8.376	152	495909	50.00	ug/L	0.00
System Monitoring Compounds						
42) dibromofluoromethane (s)	4.524	113	343493	50.00	ug/L	0.00
Spiked Amount 50.000	Range 75 - 127		Recovery = 100.00%			
51) 1,2-dichloroethane-d4 (s)	4.878	65	441353	49.50	ug/L	0.00
Spiked Amount 50.000	Range 75 - 130		Recovery = 99.00%			
73) toluene-d8 (s)	6.119	98	1417618	50.00	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.00%			
97) 4-bromofluorobenzene (s)	7.791	95	528340	50.00	ug/L	0.00
Spiked Amount 50.000	Range 79 - 127		Recovery = 100.00%			
Target Compounds						Qvalue
2) ethanol	2.814	45	240058	5000.0000	ug/L	100
3) tertiary butyl alcohol	3.540	59	205017	250.0000	ug/L	100
4) 1,4-dioxane	5.672	88	40678	1250.0000	ug/L	100
6) chlorodifluoromethane	1.750	51	576196	49.9670	ug/L	100
7) dichlorodifluoromethane	1.711	85	433975	50.0000	ug/L	100
8) chloromethane	1.894	50	476451	50.0000	ug/L	100
9) vinyl chloride	1.962	62	417739	49.9728	ug/L	100
10) 1,3-butadiene	1.978	39	393816	50.0000	ug/L	100
11) bromomethane	2.248	96	126770	50.0000	ug/L #	100
12) chloroethane	2.360	64	239605	50.0000	ug/L	100
13) trichlorofluoromethane	2.479	101	578059	50.0000	ug/L	100
14) ethyl ether	2.721	74	188630	50.2408	ug/L	100
15) acrolein	3.139	56	90799	50.0000	ug/L	100
16) freon 113	2.917	151	242057	50.0000	ug/L	100
17) 1,1-dichloroethene	2.897	61	521775	50.0000	ug/L	100
18) acetone	3.351	58	161969	200.0000	ug/L	100
19) acetonitrile	3.688	41	554003	500.0000	ug/L	100
20) iodomethane	3.020	142	304800	50.0000	ug/L	100
21) carbon disulfide	2.936	76	864116	50.0000	ug/L	100
22) methylene chloride	3.331	84	285094	50.0000	ug/L	100
23) methyl acetate	3.431	74	69747	50.0000	ug/L	100
24) methyl tert butyl ether	3.505	73	985517	50.0000	ug/L	100
25) trans-1,2-dichloroethene	3.447	96	300027	50.0000	ug/L	100
26) hexane	3.495	57	772193	49.1013	ug/L	97
27) di-isopropyl ether	3.756	45	1332408	50.0000	ug/L	100
28) ethyl tert-butyl ether	4.007	59	1181512	50.0000	ug/L	100
29) 2-butanone	4.589	72	222019	200.0000	ug/L	99
30) 1,1-dichloroethane	3.875	63	617930	50.0000	ug/L	100
31) chloroprene	3.859	53	701104	50.0000	ug/L	100
32) acrylonitrile	3.904	52	166793	50.1715	ug/L	100
33) vinyl acetate	4.016	86	78982	50.0000	ug/L	100
34) ethyl acetate	4.454	70	44254	49.2718	ug/L	100
35) 2,2-dichloropropane	4.309	77	494866	50.0000	ug/L	100
36) cis-1,2-dichloroethene	4.232	96	306475	50.0000	ug/L	100
37) propionitrile	4.794	54	704631	495.1492	ug/L	100
38) methyl acrylate	4.470	85	65371	55.4029	ug/L	98
39) bromochloromethane	4.367	128	141614	50.0000	ug/L	100
40) tetrahydrofuran	4.511	71	51377	50.0000	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 1K23808.D
Acq On : 6 Sep 2025 1:06 am
Operator : PrashanS
Sample : ICC658-50
Misc : MS95614,V1K658,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 08 10:37:38 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 10:33:32 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) chloroform	4.402	83	559306	50.0000	ug/L	100
43) methacrylonitrile	4.807	67	173490	50.0000	ug/L	100
44) 1,1,1-trichloroethane	4.556	97	491808	50.0000	ug/L	100
45) cyclohexane	4.383	84	468227	50.0000	ug/L	100
46) 1,1-dichloropropene	4.634	75	449612	50.0000	ug/L	100
47) carbon tetrachloride	4.511	117	452976	46.2131	ug/L	100
49) tert-amyl alcohol	4.942	55	83083	250.0000	ug/L	100
52) iso-octane	4.688	57	1189339	50.0000	ug/L	100
53) benzene	4.794	78	1237521	50.0000	ug/L	100
54) tert-amyl methyl ether	4.839	73	1001648	49.9833	ug/L	100
55) heptane	4.740	57	178931	50.0053	ug/L	100
56) isopropyl acetate	5.029	87	95315	50.0000	ug/L	100
57) 1,2-dichloroethane	4.923	62	480995	50.0000	ug/L	100
58) n-butyl alcohol	5.309	56	468268	2500.0000	ug/L	100
59) ethyl acrylate	5.473	55	640606	50.0000	ug/L	100
60) trichloroethene	5.164	130	317750	50.0000	ug/L	100
61) 2-nitropropane	6.309	41	147398	50.0000	ug/L	100
62) 2-chloroethyl vinyl ether	5.923	63	1182890	250.0000	ug/L	100
63) methyl methacrylate	5.614	100	110757	50.0000	ug/L	100
64) 1,2-dichloropropane	5.511	63	346937	50.0000	ug/L	100
65) methylcyclohexane	5.167	98	221826	50.0000	ug/L	100
66) dibromomethane	5.447	93	185087	50.0000	ug/L	100
67) bromodichloromethane	5.540	83	418441	50.0129	ug/L	100
68) epichlorohydrin	6.154	57	256737	250.0000	ug/L	100
69) cis-1,3-dichloropropene	5.987	75	525451	50.0000	ug/L	100
70) 4-methyl-2-pentanone	6.386	58	798974	200.0000	ug/L	100
71) 3-methyl-1-butanol	6.216	70	190295	1000.0000	ug/L	100
74) toluene	6.158	92	769447	50.0000	ug/L	100
75) ethyl methacrylate	6.492	69	471659	50.0000	ug/L	100
76) trans-1,3-dichloropropene	6.421	75	513252	50.0000	ug/L	100
77) 1,1,2-trichloroethane	6.531	83	231188	50.0000	ug/L	100
78) tetrachloroethene	6.421	166	295985	50.0000	ug/L	100
79) 2-hexanone	6.907	58	833668	200.0000	ug/L	100
80) 1,3-dichloropropane	6.708	76	516348	50.0000	ug/L	100
81) butyl acetate	6.830	56	337733	50.0000	ug/L	100
82) dibromochloromethane	6.653	129	314158	50.0000	ug/L	100
83) 1,2-dibromoethane	6.817	107	288554	50.0000	ug/L	100
84) n-butyl ether	7.013	57	1675771	50.0000	ug/L	100
85) chlorobenzene	7.119	112	805739	50.0000	ug/L	100
86) 1,1,1,2-tetrachloroethane	7.151	131	295649	50.0000	ug/L	100
87) ethylbenzene	7.122	91	1450381	50.0000	ug/L	100
88) m,p-xylene	7.203	106	1110096	100.0000	ug/L	100
89) o-xylene	7.453	106	542248	50.0000	ug/L	100
90) styrene	7.482	104	910618	50.0109	ug/L	100
91) bromoform	7.515	173	230791	49.9989	ug/L	100
92) butyl acrylate	7.521	55	900595	50.0000	ug/L	100
93) isopropylbenzene	7.624	105	1345098	50.0000	ug/L	100
94) n-amyl acetate	7.659	70	286776	50.0000	ug/L	100
95) cis-1,4-dichloro-2-butene	7.814	88	218408	50.0000	ug/L	100
98) bromobenzene	7.855	156	328704	50.0000	ug/L	100
99) 1,1,2,2-tetrachloroethane	7.884	83	409003	50.0000	ug/L	100
100) trans-1,4-dichloro-2-b...	7.978	53	185689	50.0000	ug/L	100
101) 1,2,3-trichloropropane	7.968	110	134454	50.0000	ug/L	100
102) n-propylbenzene	7.849	91	1570632	49.9508	ug/L	100
103) 2-chlorotoluene	7.945	126	313495	50.0000	ug/L	100
104) 4-chlorotoluene	8.032	91	1008769	50.0000	ug/L	100
105) 1,3,5-trimethylbenzene	7.945	105	1075908	50.0000	ug/L	100
106) tert-butylbenzene	8.119	119	901269	50.0000	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 1K23808.D
Acq On : 6 Sep 2025 1:06 am
Operator : PrashanS
Sample : ICC658-50
Misc : MS95614,V1K658,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 08 10:37:38 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 10:33:32 2025
Response via : Initial Calibration

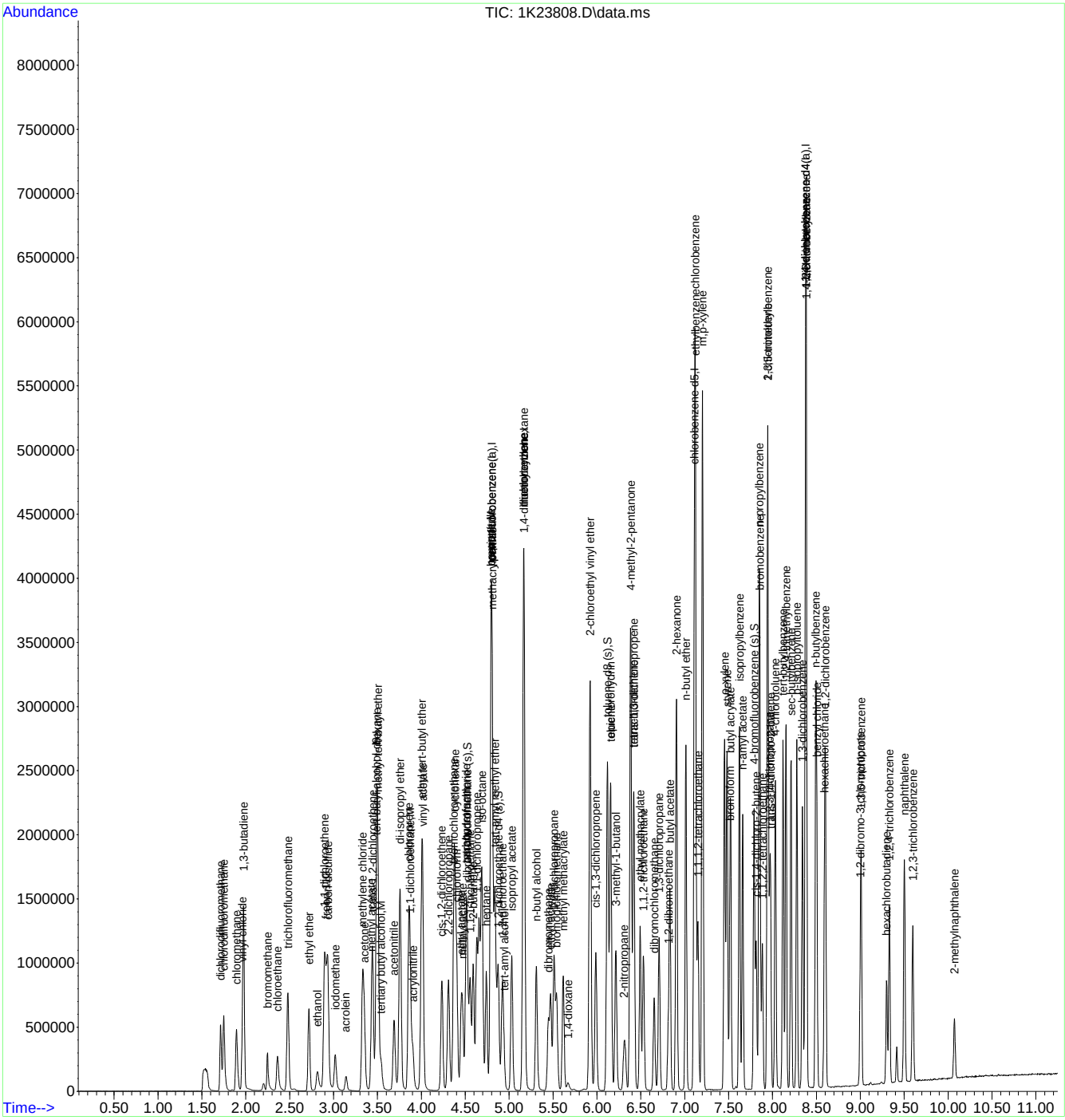
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
107) 1,2,4-trimethylbenzene	8.154	105	1099579	50.0000	ug/L	100
108) sec-butylbenzene	8.212	105	1241763	50.0285	ug/L	100
109) 1,3-dichlorobenzene	8.341	146	616251	50.0000	ug/L	100
110) p-isopropyltoluene	8.277	119	1057682	50.0000	ug/L	100
111) 1,4-dichlorobenzene	8.386	146	621665	50.0000	ug/L	100
112) 1,2-dichlorobenzene	8.601	146	586729	50.0000	ug/L	100
113) 1,2,3-trimethylbenzene	8.383	105	1118822	50.0000	ug/L	100
114) n-butylbenzene	8.492	92	548012	50.0000	ug/L	100
115) 1,2-dibromo-3-chloropr...	9.000	157	118061	50.0000	ug/L	100
116) 1,3,5-trichlorobenzene	9.010	180	336755	50.0000	ug/L	100
117) 1,2,4-trichlorobenzene	9.331	180	302192	50.0000	ug/L	100
118) hexachlorobutadiene	9.299	225	103750	50.0000	ug/L	100
119) naphthalene	9.502	128	1010653	50.0000	ug/L	100
120) 1,2,3-trichlorobenzene	9.598	180	274442	50.0000	ug/L	100
121) hexachloroethane	8.592	119	182246	49.7584	ug/L	100
122) benzyl chloride	8.505	126	184777	50.0000	ug/L	100
123) 2-methylnaphthalene	10.071	142	178148	25.0000	ug/L	100

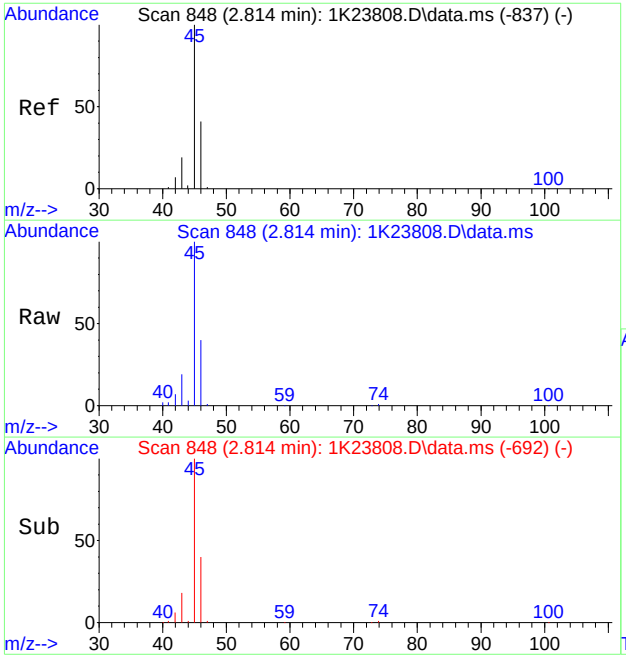
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 1K23808.D
Acq On : 6 Sep 2025 1:06 am
Operator : PrashanS
Sample : ICC658-50
Misc : MS95614,V1K658,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 08 10:37:38 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 10:33:32 2025
Response via : Initial Calibration

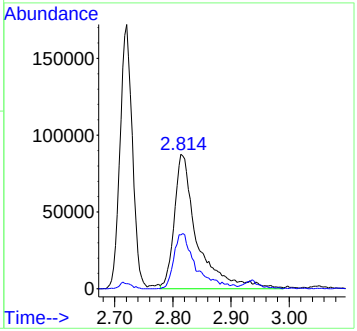


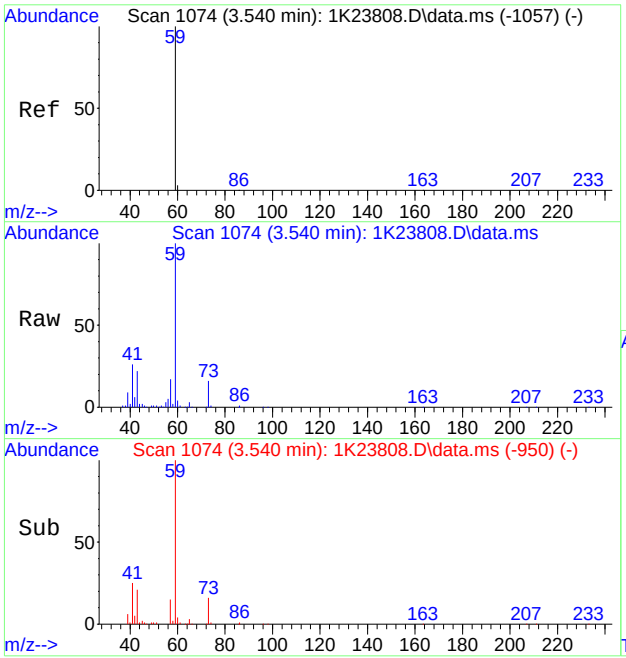


#2
ethanol
Concen: 5000.00 ug/L
RT: 2.814 min Scan# 848
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 45 Resp: 240058

Ion	Ratio	Lower	Upper
45	100		
46	40.3	20.3	60.3

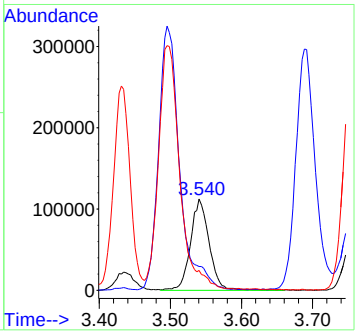


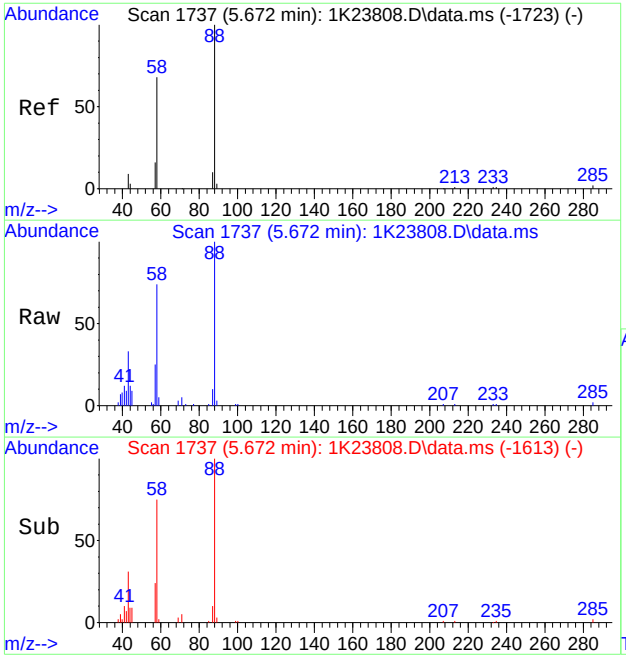


#3
tertiary butyl alcohol
Concen: 250.00 ug/L
RT: 3.540 min Scan# 1074
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 59 Resp: 205017

Ion	Ratio	Lower	Upper
59	100		
41	16.0	0.0	46.0
43	21.1	0.0	51.1

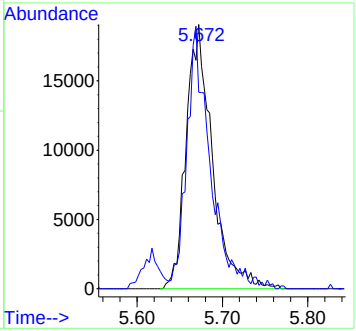


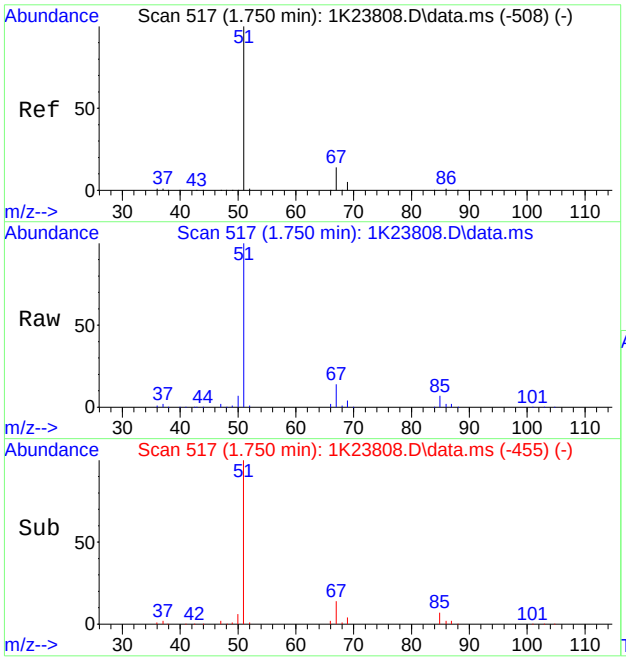


#4
1,4-dioxane
Concen: 1250.00 ug/L
RT: 5.672 min Scan# 1737
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 88 Resp: 40678

Ion	Ratio	Lower	Upper
88	100		
58	73.2	53.2	93.2

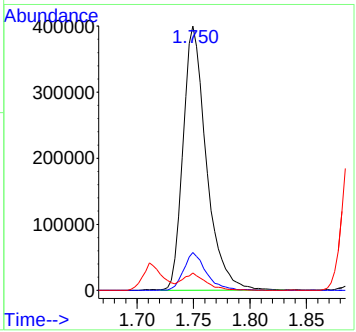


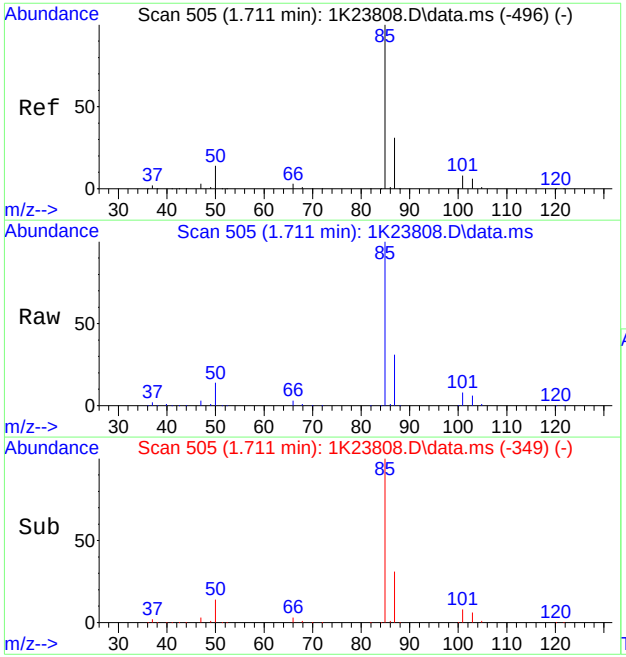


#6
chlorodifluoromethane
Concen: 49.97 ug/L
RT: 1.750 min Scan# 517
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 51 Resp: 576196

Ion	Ratio	Lower	Upper
51	100		
67	14.3	0.0	44.3
50	6.5	0.0	36.5

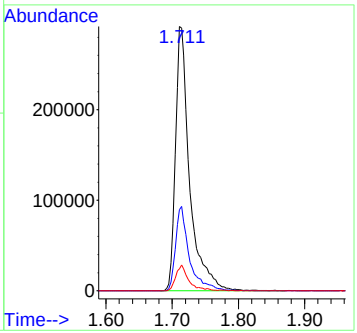


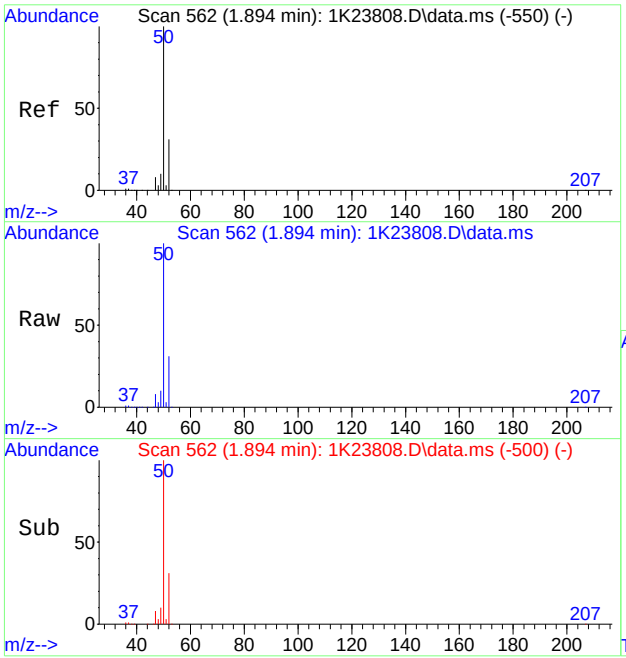


#7
dichlorodifluoromethane
Concen: 50.00 ug/L
RT: 1.711 min Scan# 505
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 85 Resp: 433975

Ion	Ratio	Lower	Upper
85	100		
87	30.7	0.7	60.7
101	8.3	0.0	38.3

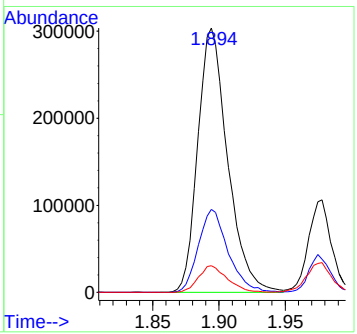


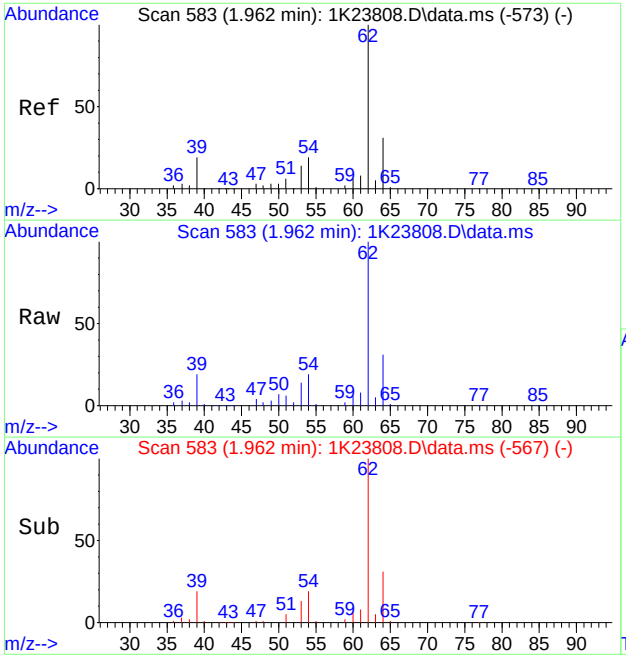


#8
chloromethane
Concen: 50.00 ug/L
RT: 1.894 min Scan# 562
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 50 Resp: 476451

Ion	Ratio	Lower	Upper
50	100		
52	31.4	1.4	61.4
49	10.1	0.0	40.1

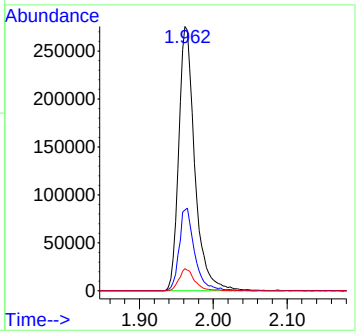


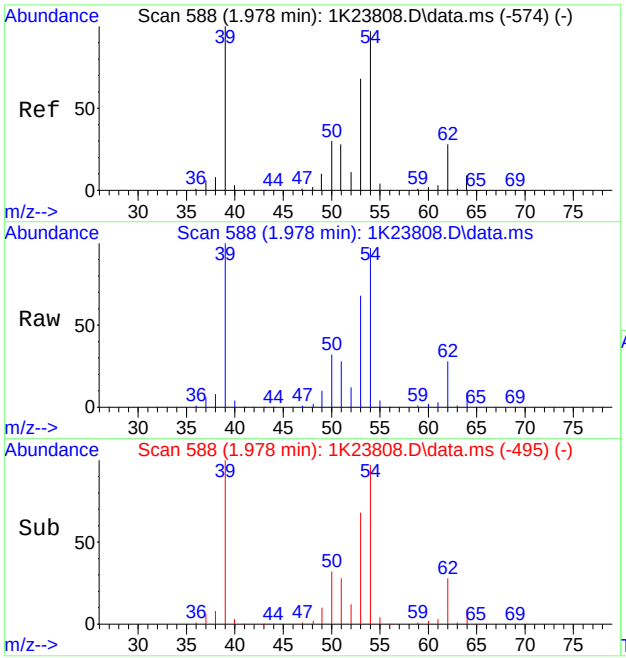


#9
vinyl chloride
Concen: 49.97 ug/L
RT: 1.962 min Scan# 583
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 62 Resp: 417739

Ion	Ratio	Lower	Upper
62	100		
64	30.6	0.6	60.6
61	8.4	0.0	38.4

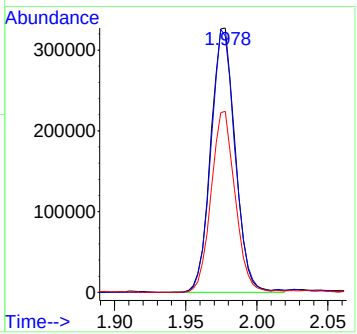


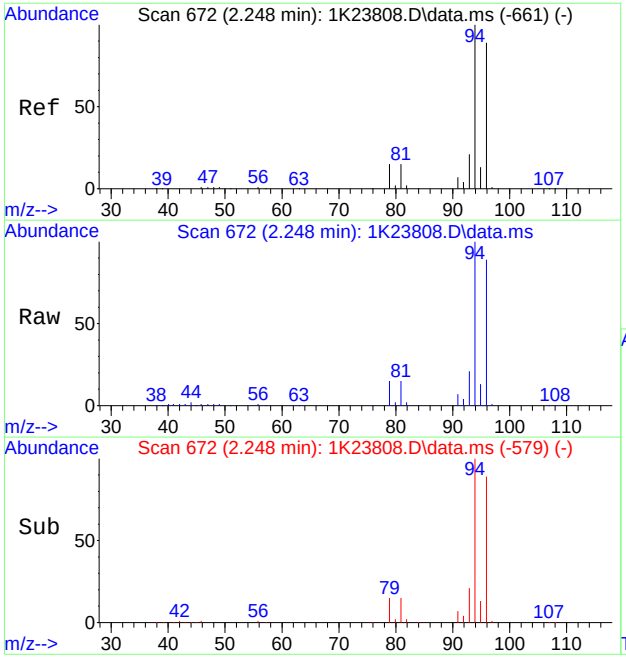


#10
1,3-butadiene
Concen: 50.00 ug/L
RT: 1.978 min Scan# 588
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 39 Resp: 393816

Ion	Ratio	Lower	Upper
39	100		
54	97.0	67.0	127.0
53	68.5	38.5	98.5

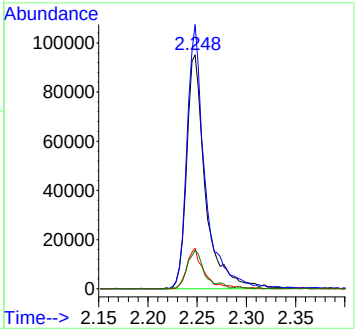


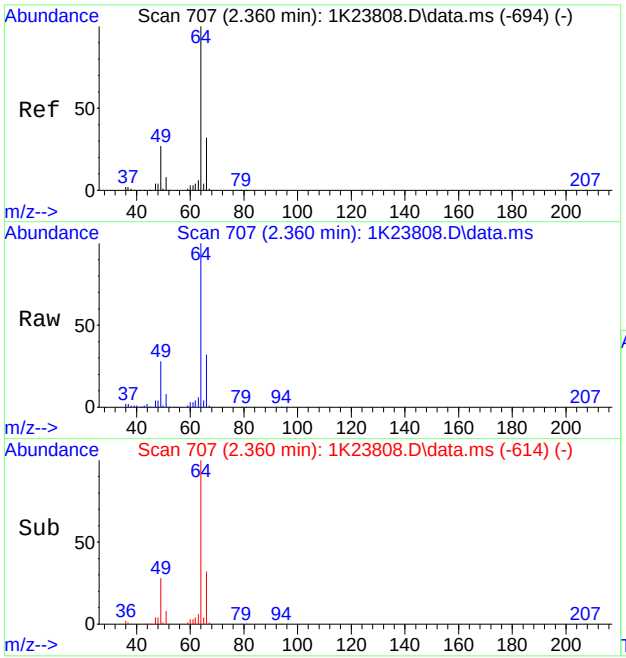


#11
bromomethane
Concen: 50.00 ug/L
RT: 2.248 min Scan# 672
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 96 Resp: 126770

Ion	Ratio	Lower	Upper
96	100		
94	112.9	82.9	142.9
79	17.4	17.4	17.4#
81	16.4	0.0	36.4

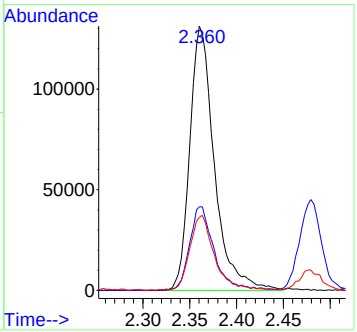


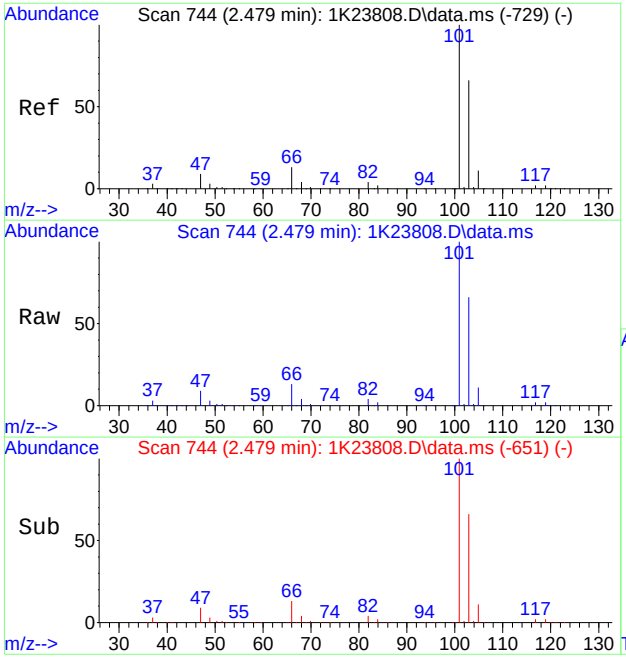


#12
chloroethane
Concen: 50.00 ug/L
RT: 2.360 min Scan# 707
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 64 Resp: 239605

Ion	Ratio	Lower	Upper
64	100		
66	31.6	1.6	61.6
49	27.3	0.0	57.3

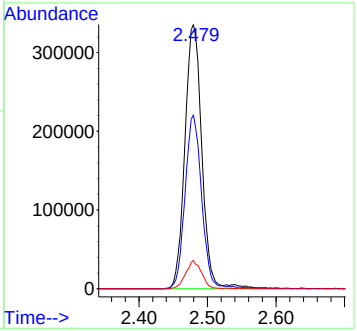


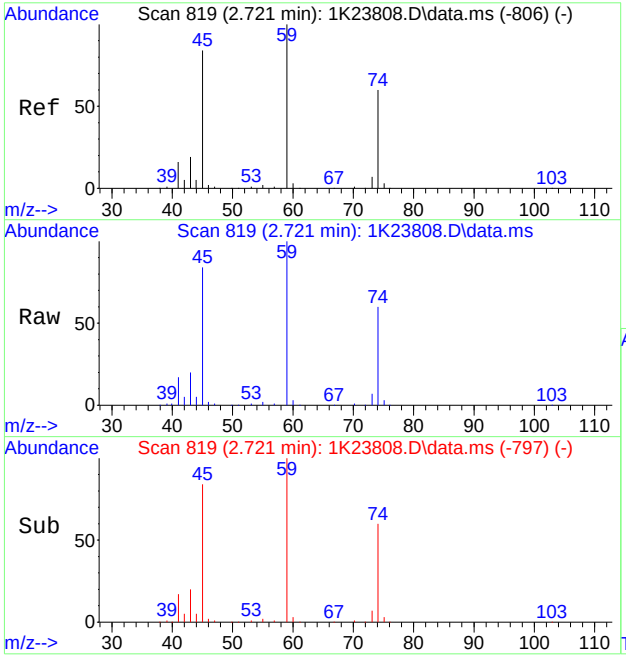


#13
trichlorofluoromethane
Concen: 50.00 ug/L
RT: 2.479 min Scan# 744
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion:101 Resp: 578059

Ion	Ratio	Lower	Upper
101	100		
103	65.9	35.9	95.9
105	10.9	0.0	40.9

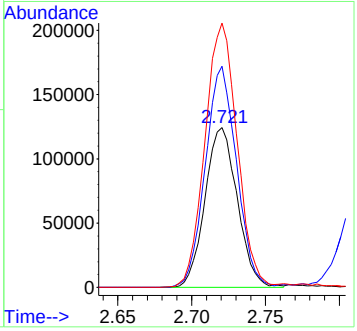


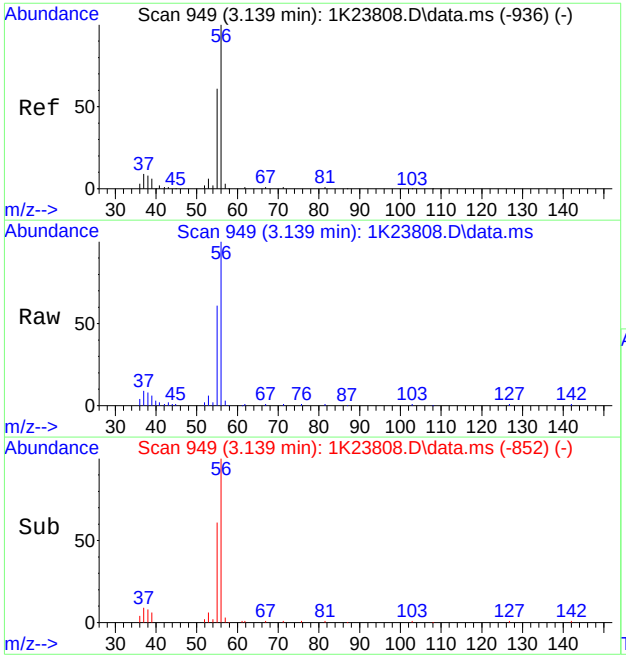


#14
ethyl ether
Concen: 50.24 ug/L
RT: 2.721 min Scan# 819
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 74 Resp: 188630

Ion	Ratio	Lower	Upper
74	100		
45	138.3	107.5	167.5
59	165.3	135.0	195.0

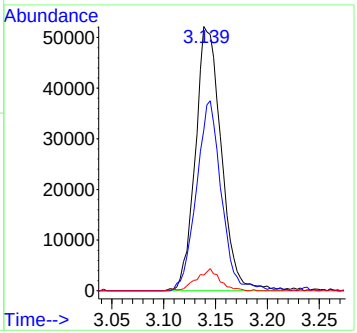


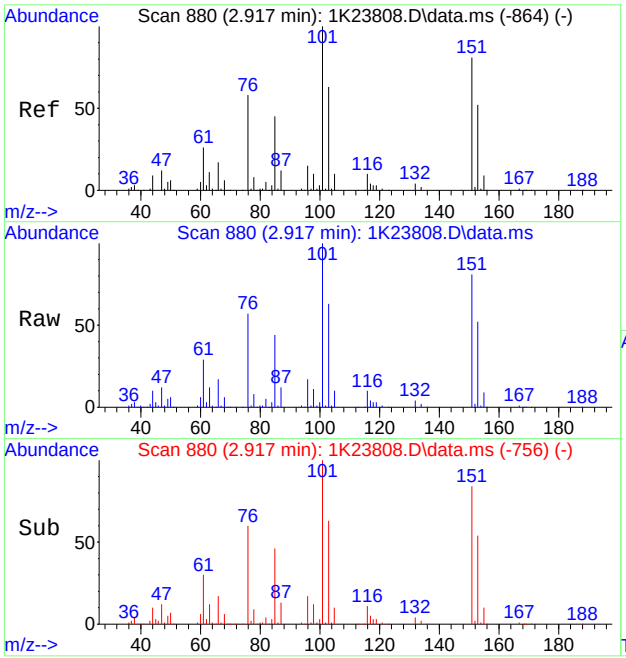


#15
acrolein
Concen: 50.00 ug/L
RT: 3.139 min Scan# 949
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 56 Resp: 90799

Ion	Ratio	Lower	Upper
56	100		
55	60.8	30.8	90.8
53	5.9	0.0	35.9

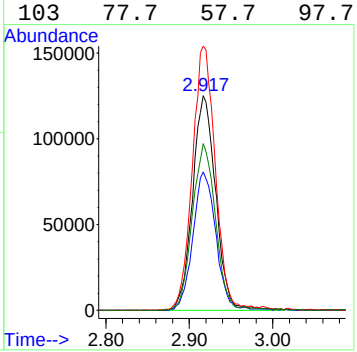


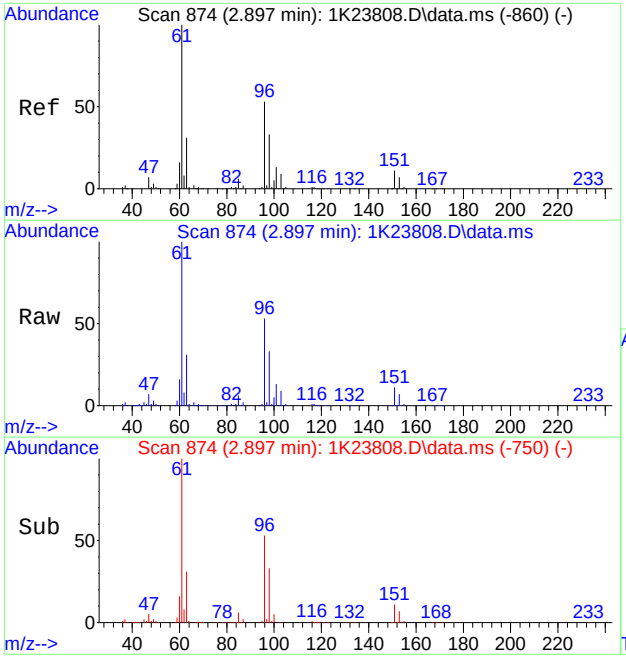


#16
freon 113
Concen: 50.00 ug/L
RT: 2.917 min Scan# 880
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion:151 Resp: 242057

Ion	Ratio	Lower	Upper
151	100		
153	64.4	44.4	84.4
101	122.8	102.8	142.8
103	77.7	57.7	97.7

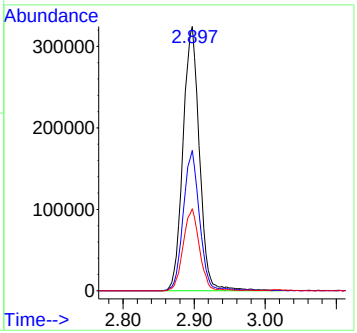


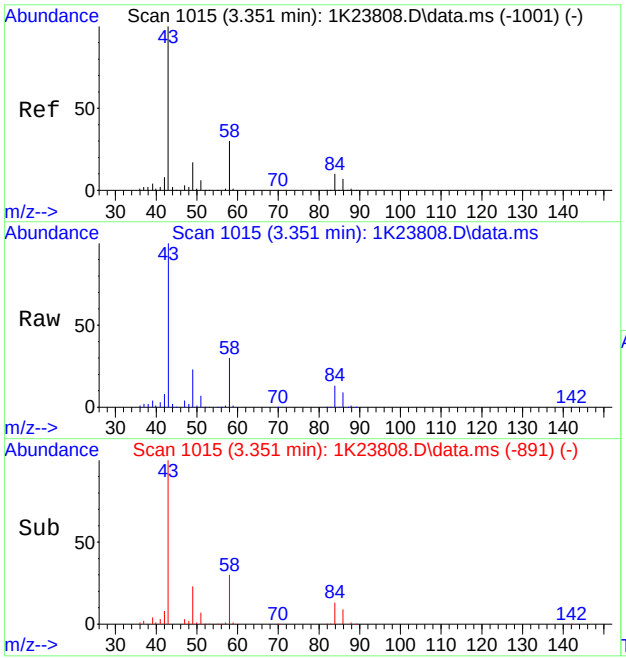


#17
1,1-dichloroethene
Concen: 50.00 ug/L
RT: 2.897 min Scan# 874
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 61 Resp: 521775

Ion	Ratio	Lower	Upper
61	100		
96	53.2	23.2	83.2
63	31.0	1.0	61.0

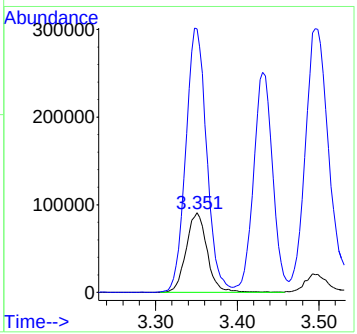


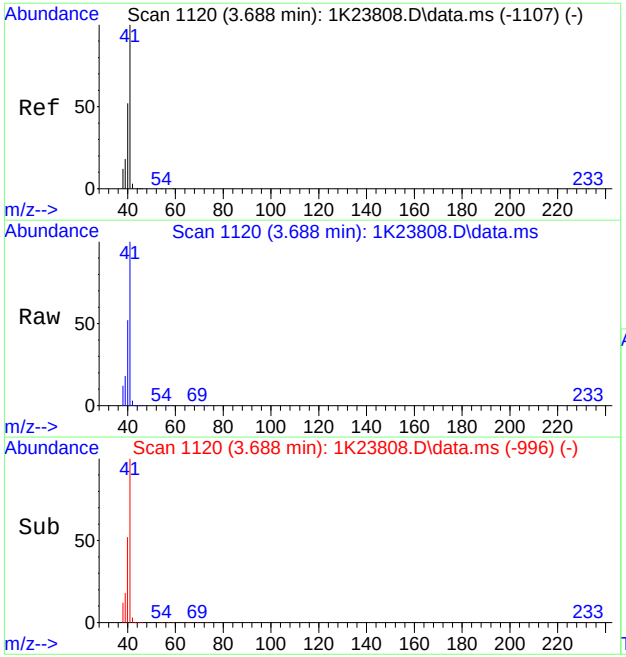


#18
acetone
Concen: 200.00 ug/L
RT: 3.351 min Scan# 1015
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 58 Resp: 161969

Ion	Ratio	Lower	Upper
58	100		
43	330.4	300.4	360.4

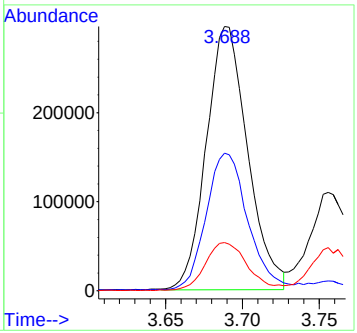


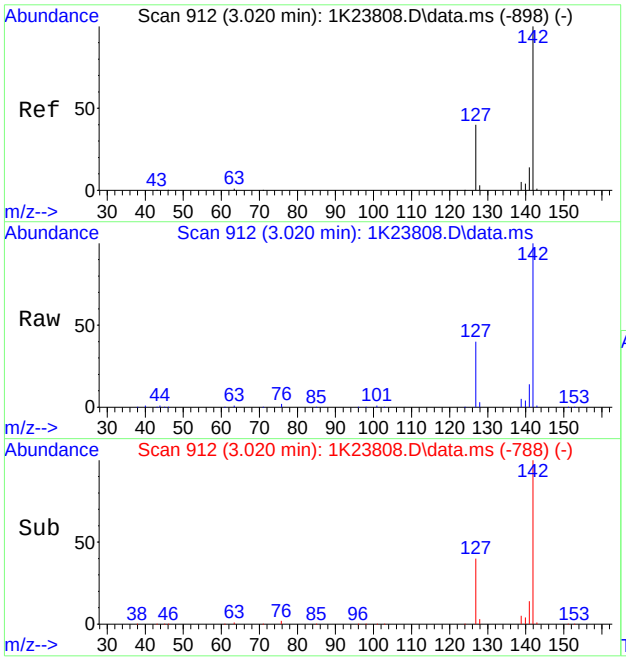


#19
acetonitrile
Concen: 500.00 ug/L
RT: 3.688 min Scan# 1120
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 41 Resp: 554003

Ion	Ratio	Lower	Upper
41	100		
40	51.7	21.7	81.7
39	17.9	0.0	47.9

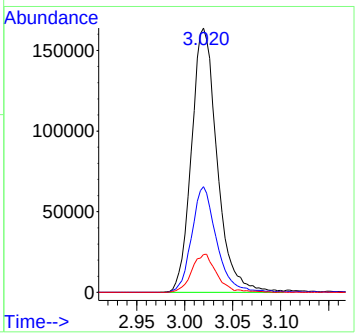


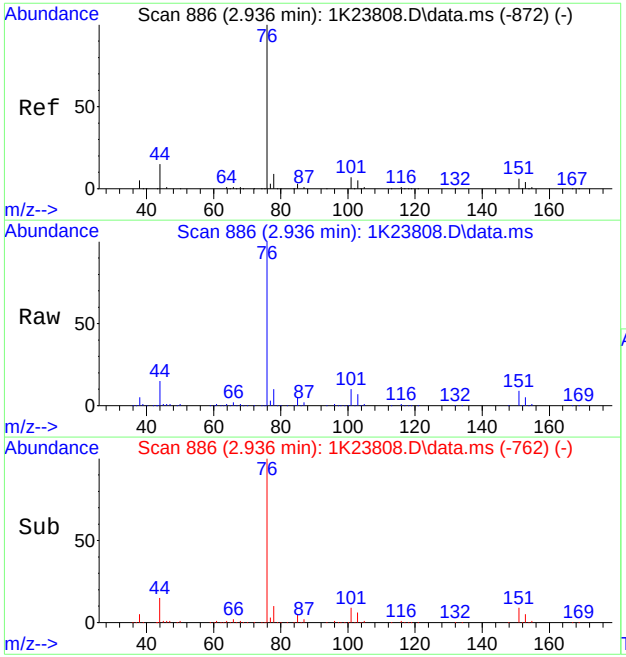


#20
iodomethane
Concen: 50.00 ug/L
RT: 3.020 min Scan# 912
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion:142 Resp: 304800

Ion	Ratio	Lower	Upper
142	100		
127	39.9	9.9	69.9
141	14.3	0.0	44.3

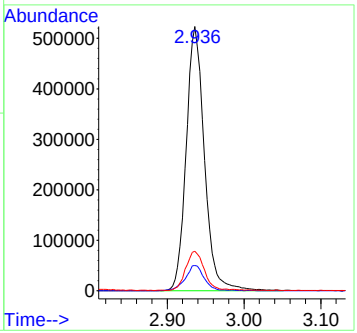


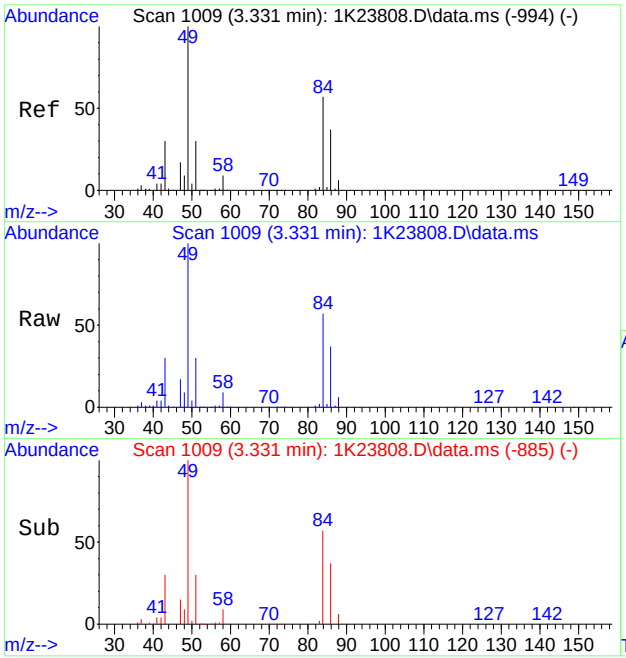


#21
carbon disulfide
Concen: 50.00 ug/L
RT: 2.936 min Scan# 886
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 76 Resp: 864116

Ion	Ratio	Lower	Upper
76	100		
78	9.5	0.0	39.5
44	14.8	0.0	44.8

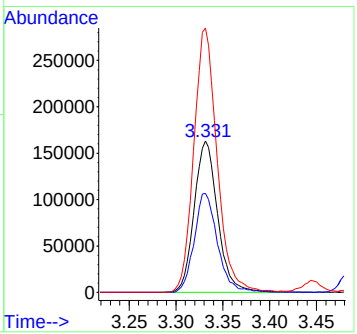


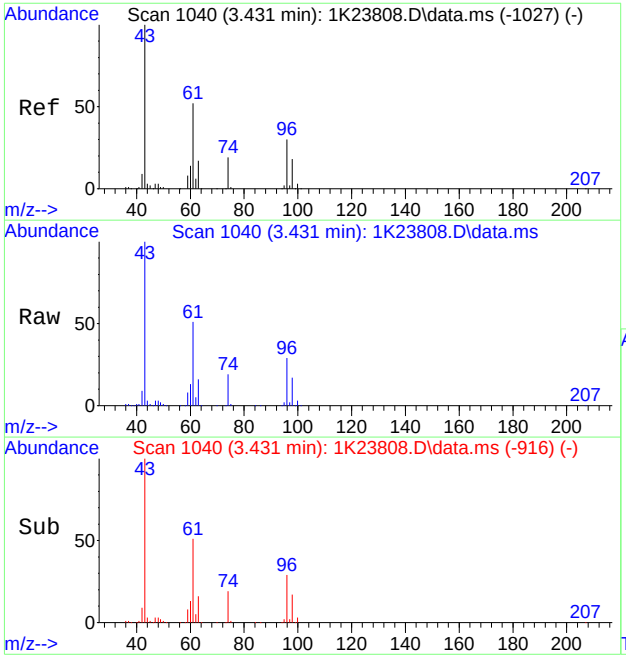


#22
methylene chloride
Concen: 50.00 ug/L
RT: 3.331 min Scan# 1009
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 84 Resp: 285094

Ion	Ratio	Lower	Upper
84	100		
86	65.3	35.3	95.3
49	174.8	144.8	204.8

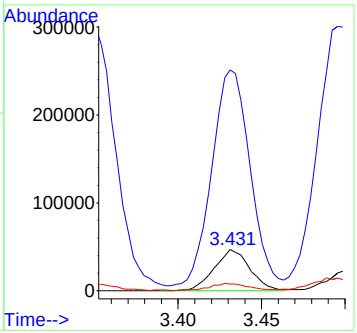


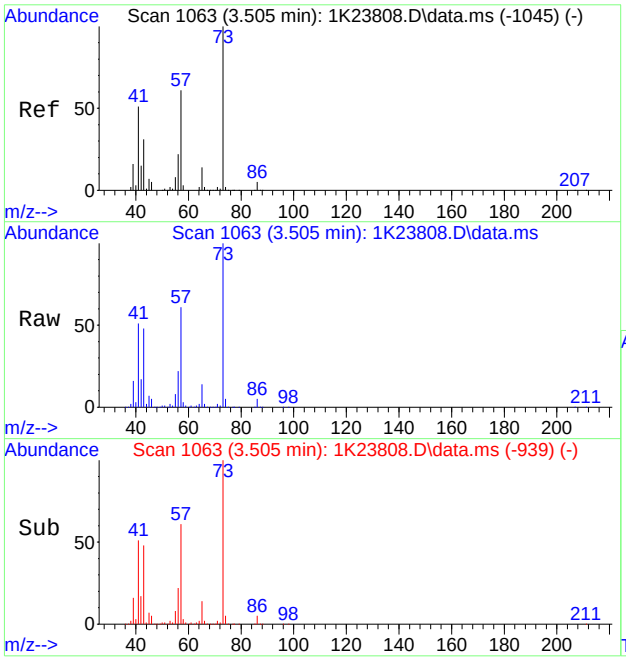


#23
methyl acetate
Concen: 50.00 ug/L
RT: 3.431 min Scan# 1040
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 74 Resp: 69747

Ion	Ratio	Lower	Upper
74	100		
43	521.2	491.2	551.2
44	14.3	0.0	44.3

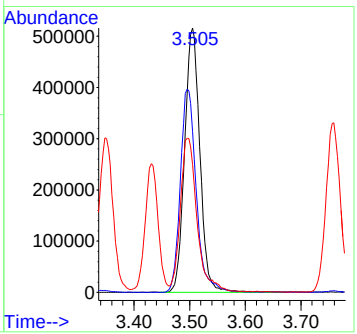


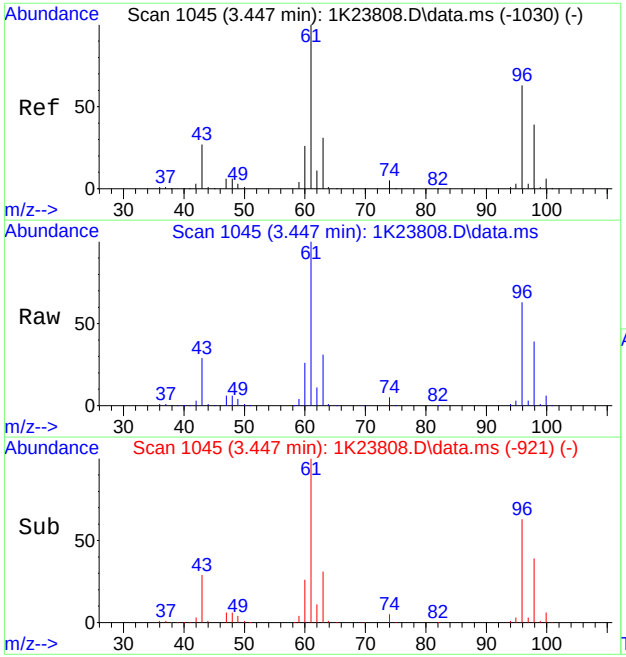


#24
methyl tert butyl ether
Concen: 50.00 ug/L
RT: 3.505 min Scan# 1063
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 73 Resp: 985517

Ion	Ratio	Lower	Upper
73	100		
57	60.7	30.7	90.7
43	48.2	18.2	78.2

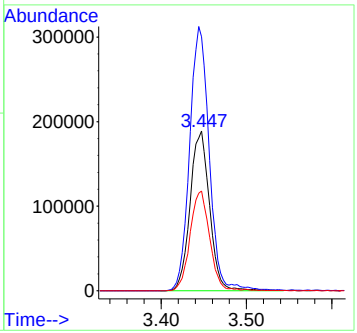


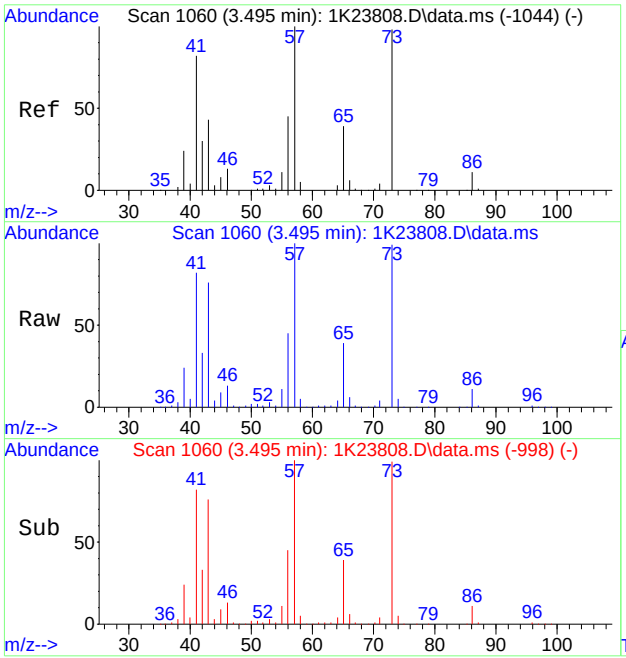


#25
trans-1,2-dichloroethene
Concen: 50.00 ug/L
RT: 3.447 min Scan# 1045
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 96 Resp: 300027

Ion	Ratio	Lower	Upper
96	100		
61	158.8	128.8	188.8
98	62.4	32.4	92.4

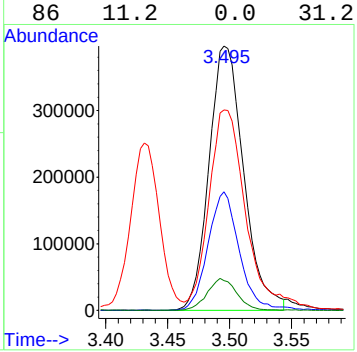


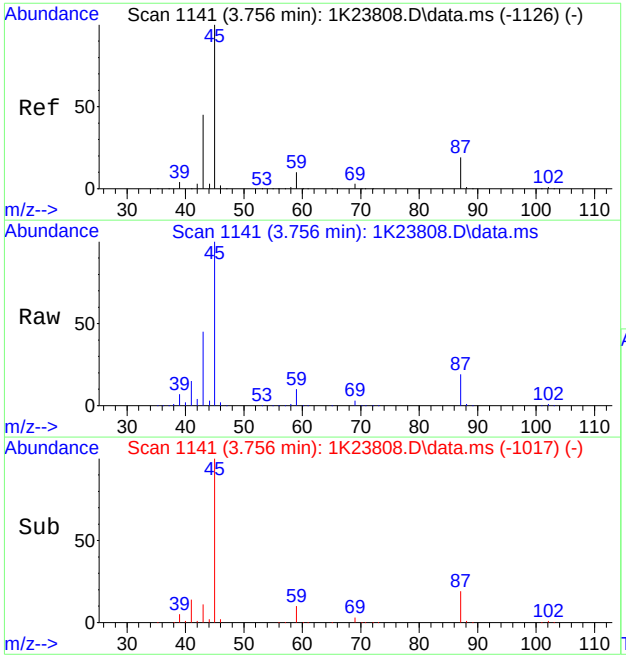


#26
hexane
Concen: 49.10 ug/L
RT: 3.495 min Scan# 1060
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 57 Resp: 772193

Ion	Ratio	Lower	Upper
57	100		
56	44.9	24.9	64.9
43	70.9	55.0	95.0
86	11.2	0.0	31.2

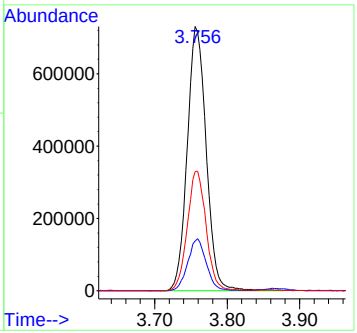


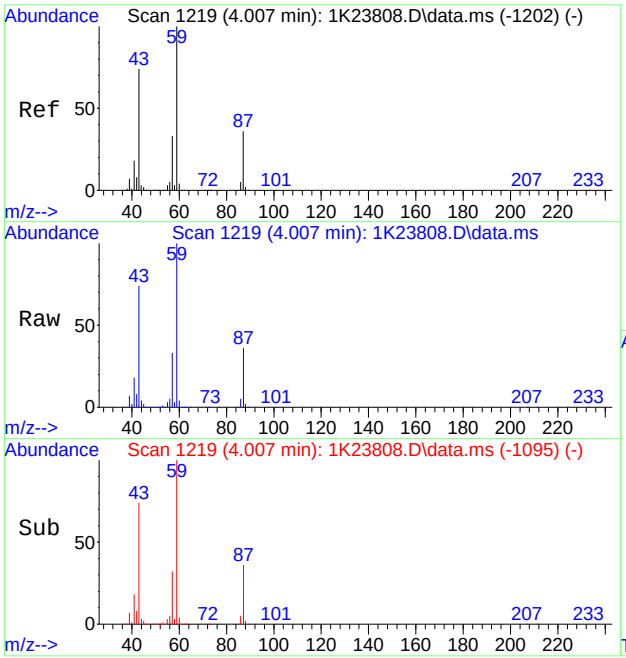


#27
di-isopropyl ether
Concen: 50.00 ug/L
RT: 3.756 min Scan# 1141
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 45 Resp: 1332408

Ion	Ratio	Lower	Upper
45	100		
87	18.8	0.0	48.8
43	44.9	14.9	74.9

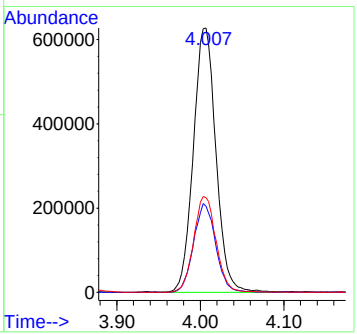


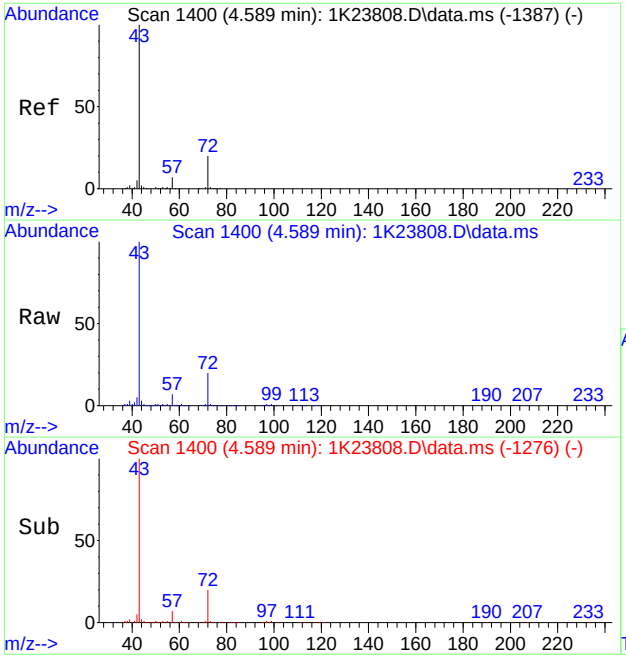


#28
ethyl tert-butyl ether
Concen: 50.00 ug/L
RT: 4.007 min Scan# 1219
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 59 Resp: 1181512

Ion	Ratio	Lower	Upper
59	100		
57	32.6	2.6	62.6
87	35.8	5.8	65.8

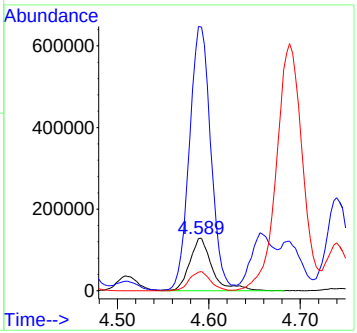


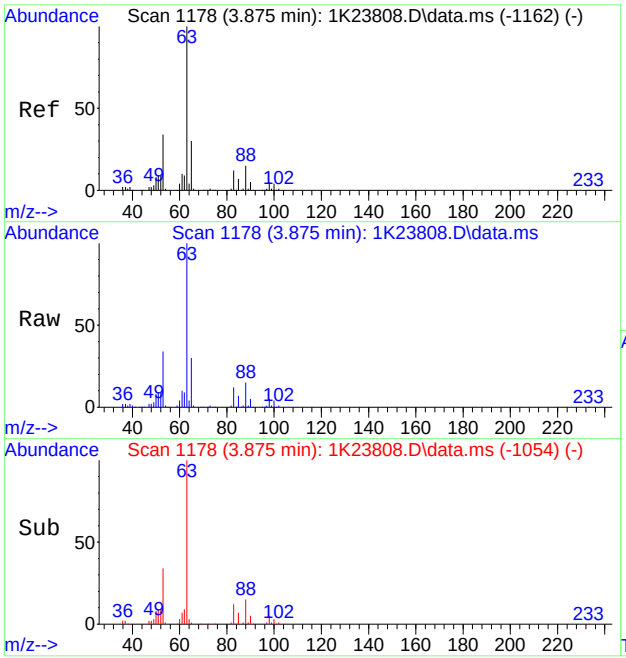


#29
2-butanone
Concen: 200.00 ug/L
RT: 4.589 min Scan# 1400
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 72 Resp: 222019

Ion	Ratio	Lower	Upper
72	100		
43	505.4	477.4	537.4
57	35.7	5.9	65.9

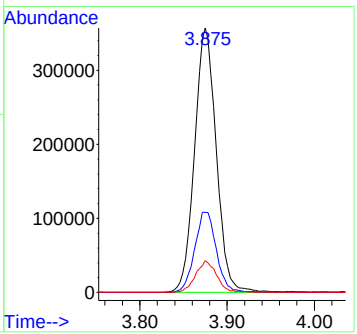


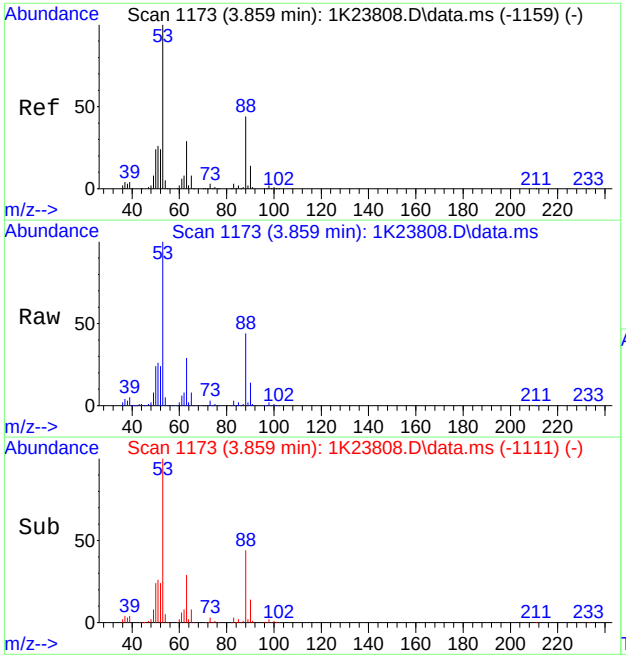


#30
1,1-dichloroethane
Concen: 50.00 ug/L
RT: 3.875 min Scan# 1178
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 63 Resp: 617930

Ion	Ratio	Lower	Upper
63	100		
65	30.2	0.2	60.2
83	12.0	0.0	42.0

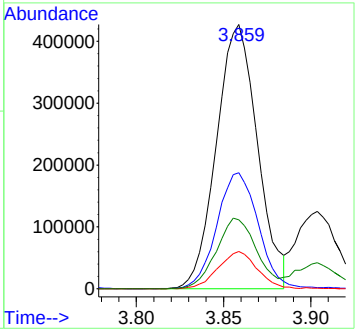


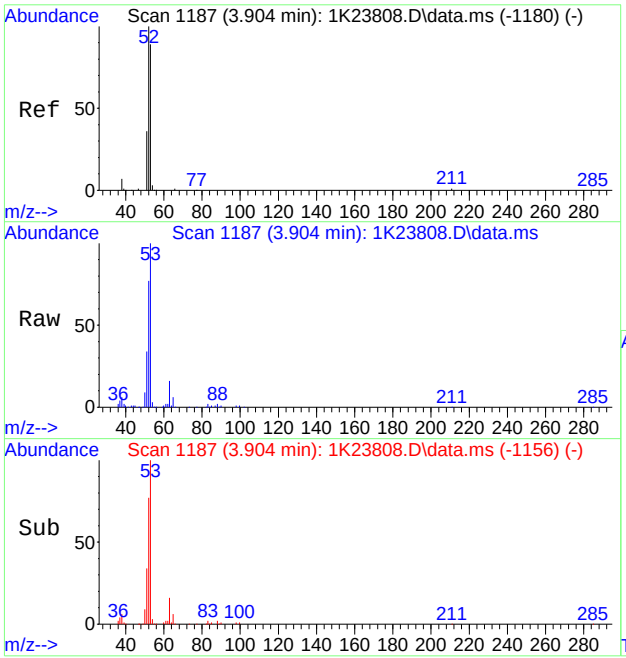


#31
chloroprene
Concen: 50.00 ug/L
RT: 3.859 min Scan# 1173
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 53 Resp: 701104

Ion	Ratio	Lower	Upper
53	100		
88	43.8	13.8	73.8
90	14.2	0.0	44.2
51	26.1	0.0	56.1

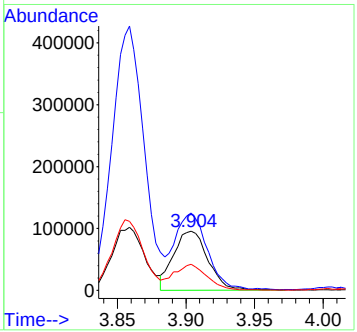


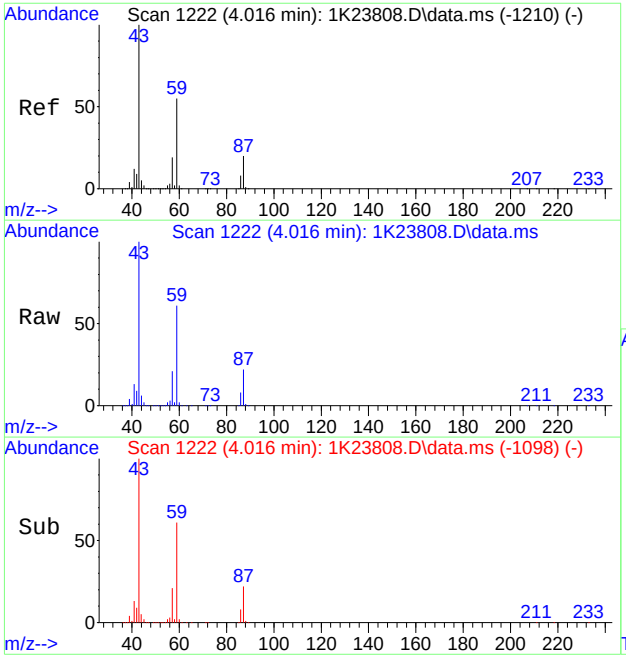


#32
acrylonitrile
Concen: 50.17 ug/L
RT: 3.904 min Scan# 1187
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 52 Resp: 166793

Ion	Ratio	Lower	Upper
52	100		
53	129.5	99.5	159.5
51	43.8	13.8	73.8

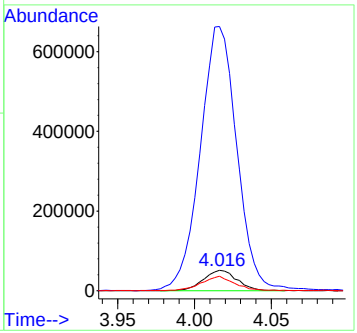


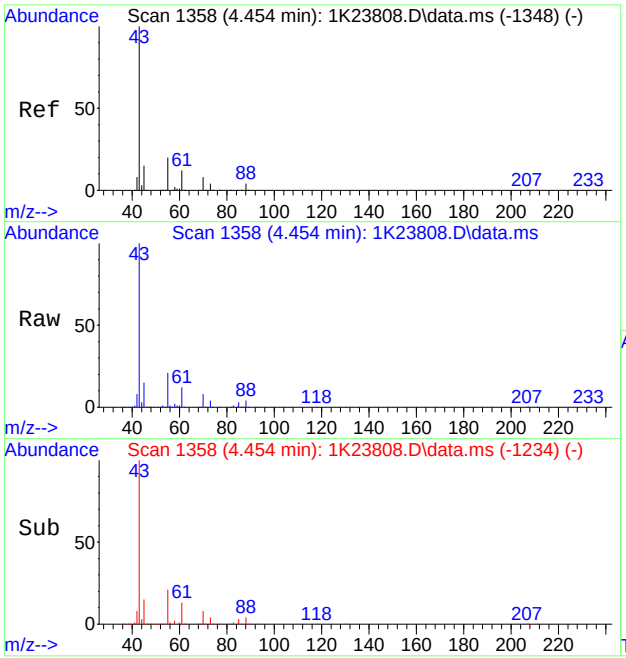


#33
vinyl acetate
Concen: 50.00 ug/L
RT: 4.016 min Scan# 1222
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 86 Resp: 78982

Ion	Ratio	Lower	Upper
86	100		
43	1282.8	1252.8	1312.8
44	69.9	39.9	99.9

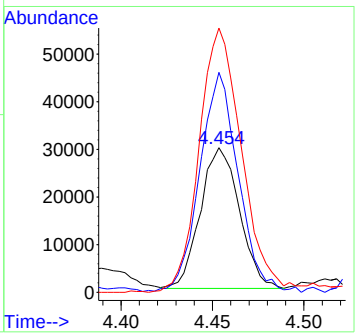


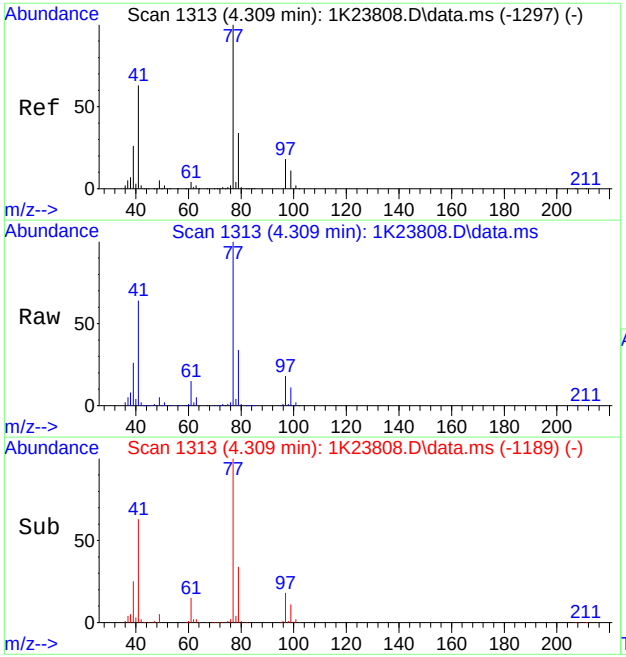


#34
ethyl acetate
Concen: 49.27 ug/L
RT: 4.454 min Scan# 1358
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 70 Resp: 44254

Ion	Ratio	Lower	Upper
70	100		
61	154.4	124.4	184.4
45	186.4	156.4	216.4

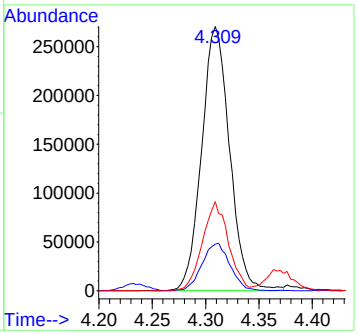


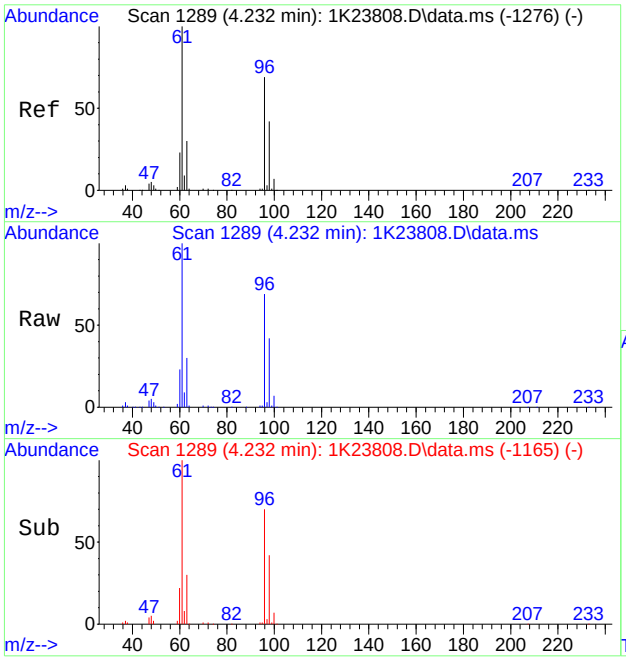


#35
2,2-dichloropropane
Concen: 50.00 ug/L
RT: 4.309 min Scan# 1313
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 77 Resp: 494866

Ion	Ratio	Lower	Upper
77	100		
97	17.6	0.0	47.6
79	33.7	3.7	63.7

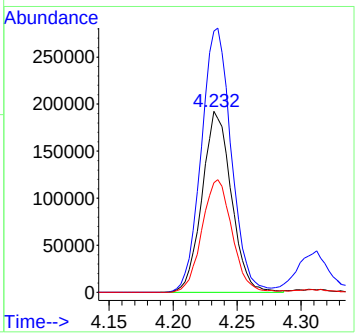


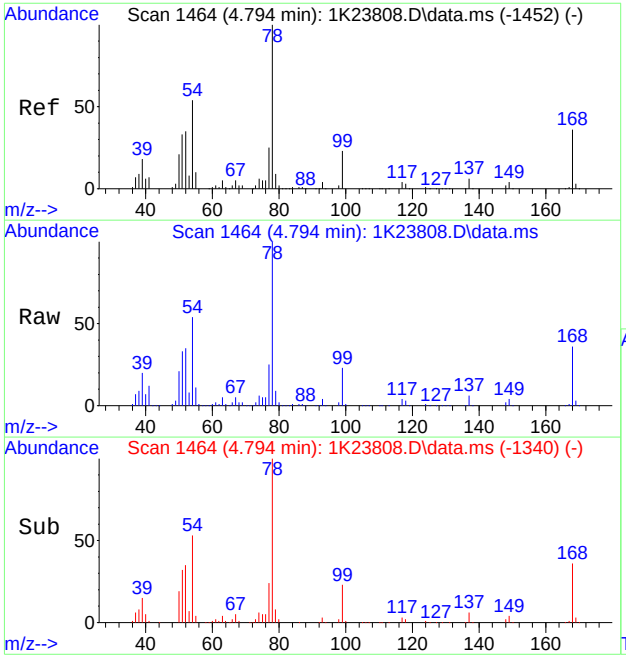


#36
cis-1,2-dichloroethene
Concen: 50.00 ug/L
RT: 4.232 min Scan# 1289
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 96 Resp: 306475

Ion	Ratio	Lower	Upper
96	100		
61	144.3	114.3	174.3
98	60.5	30.5	90.5

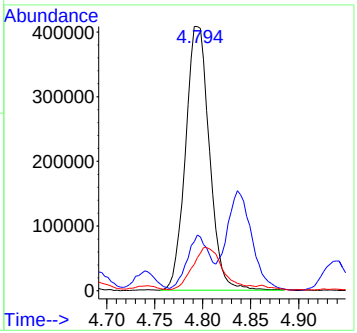


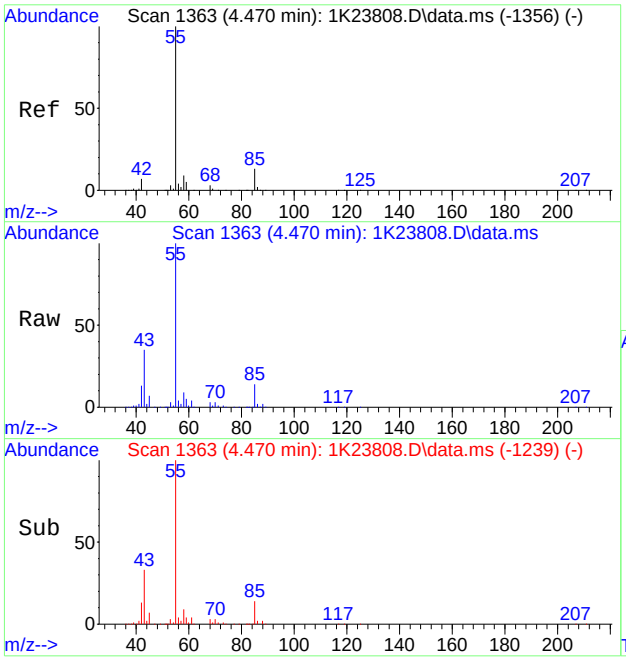


#37
propionitrile
Concen: 495.15 ug/L
RT: 4.794 min Scan# 1464
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 54 Resp: 704631

Ion	Ratio	Lower	Upper
54	100		
55	20.4	0.0	50.4
40	11.8	0.0	41.8

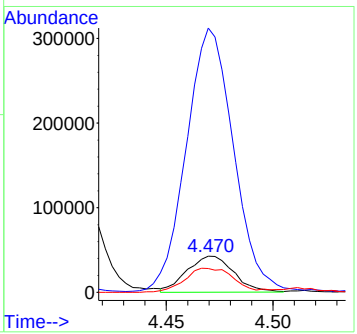


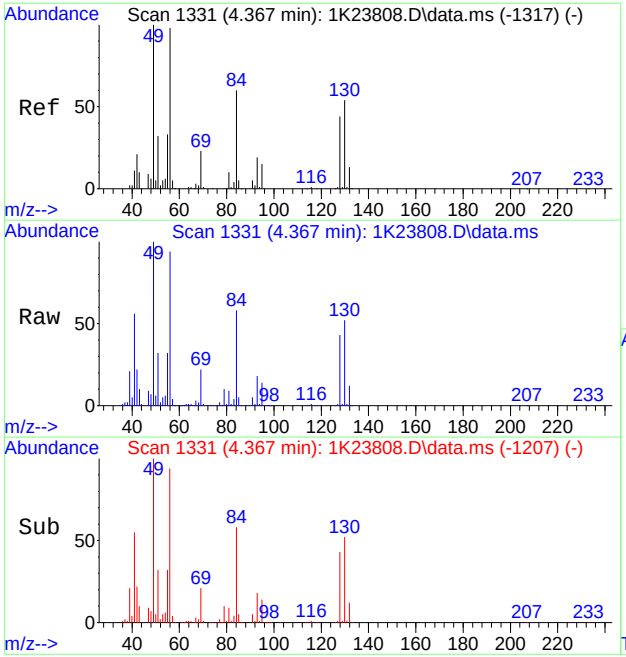


#38
methyl acrylate
Concen: 55.40 ug/L
RT: 4.470 min Scan# 1363
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 85 Resp: 65371

Ion	Ratio	Lower	Upper
85	100		
55	737.8	709.9	749.9
58	62.6	45.9	85.9

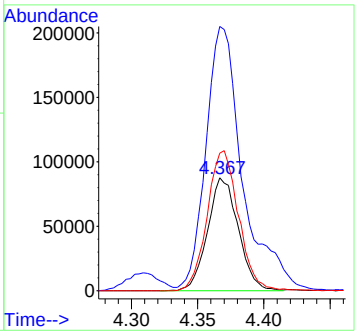


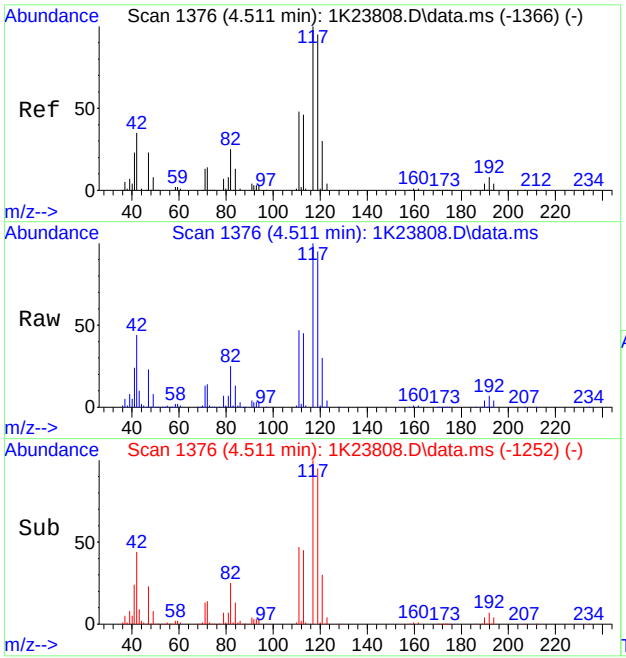


#39
bromochloromethane
Concen: 50.00 ug/L
RT: 4.367 min Scan# 1331
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion:128 Resp: 141614

Ion	Ratio	Lower	Upper
128	100		
49	225.5	195.5	255.5
130	122.1	92.1	152.1

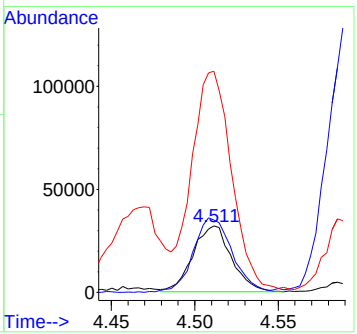


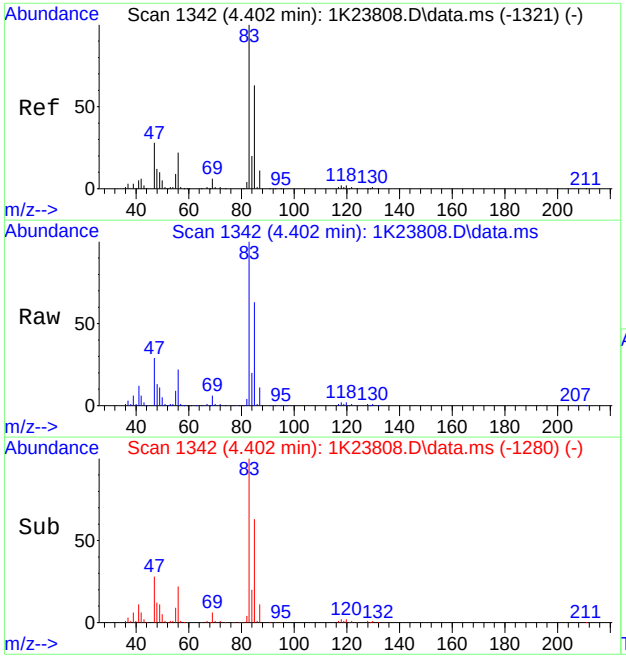


#40
tetrahydrofuran
Concen: 50.00 ug/L
RT: 4.511 min Scan# 1376
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 71 Resp: 51377

Ion	Ratio	Lower	Upper
71	100		
72	106.4	76.4	136.4
42	327.7	297.7	357.7

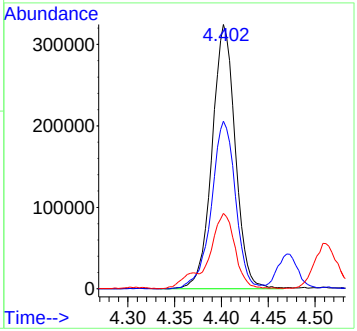


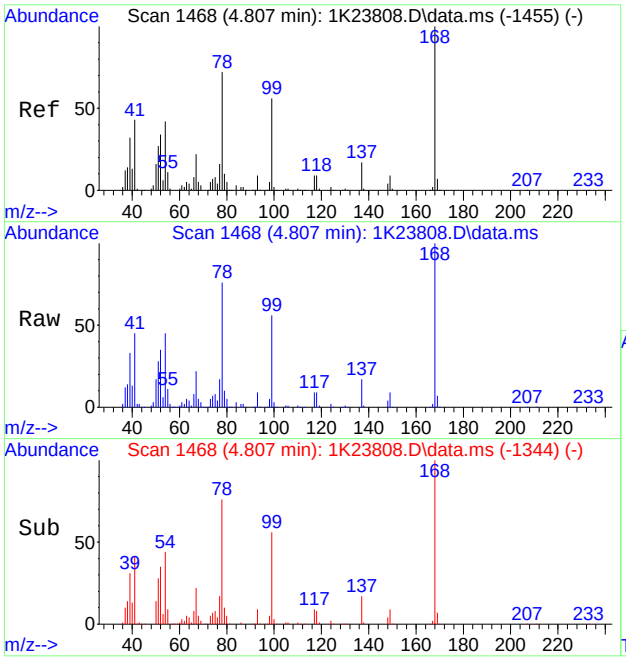


#41
chloroform
Concen: 50.00 ug/L
RT: 4.402 min Scan# 1342
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 83 Resp: 559306

Ion	Ratio	Lower	Upper
83	100		
85	63.4	33.4	93.4
47	28.3	0.0	58.3

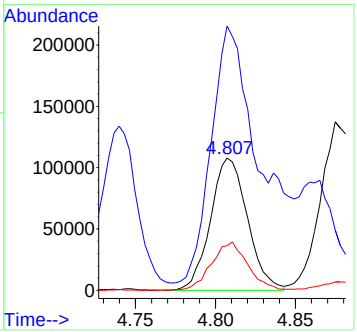


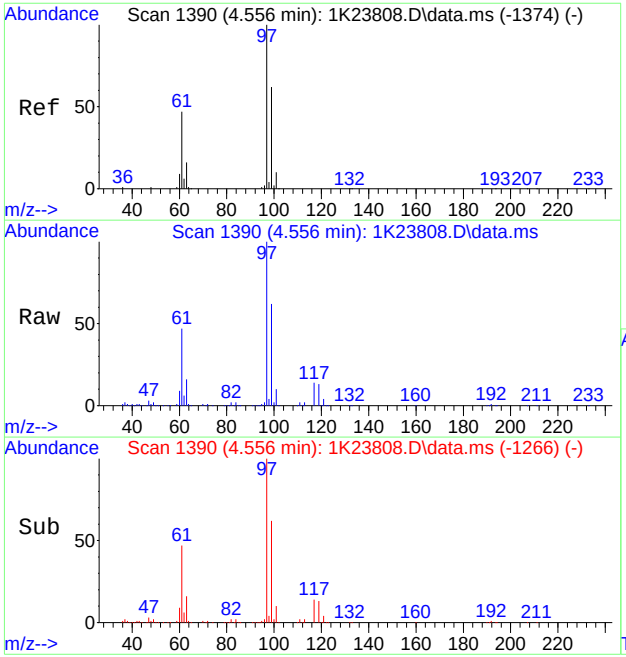


#43
methacrylonitrile
Concen: 50.00 ug/L
RT: 4.807 min Scan# 1468
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 67 Resp: 173490

Ion	Ratio	Lower	Upper
67	100		
41	191.1	161.1	221.1
66	33.7	3.7	63.7

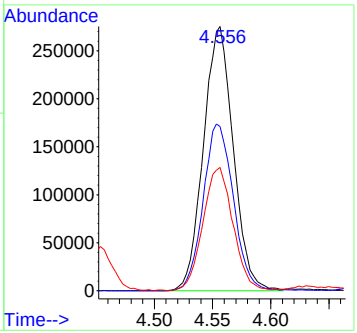


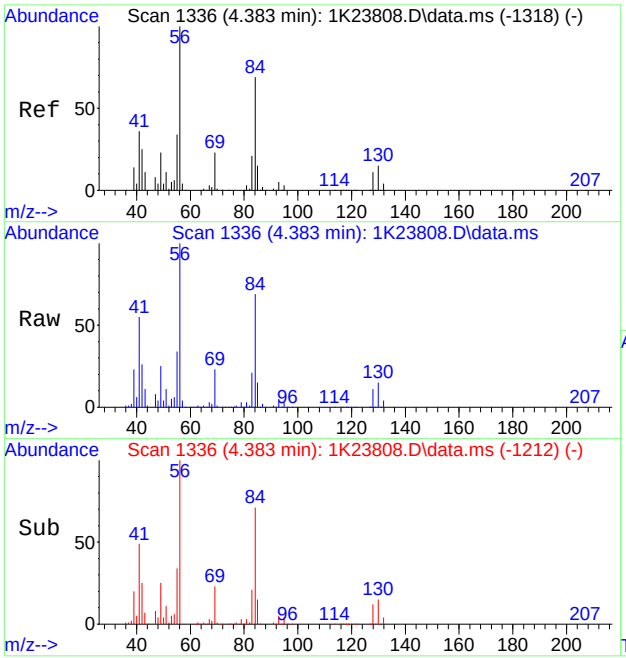


#44
1,1,1-trichloroethane
Concen: 50.00 ug/L
RT: 4.556 min Scan# 1390
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 97 Resp: 491808

Ion	Ratio	Lower	Upper
97	100		
99	62.1	32.1	92.1
61	46.3	16.3	76.3

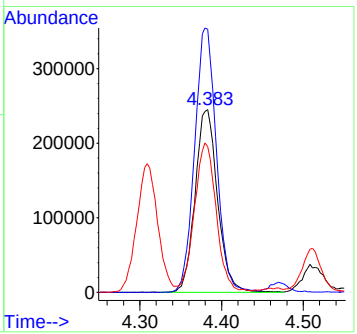


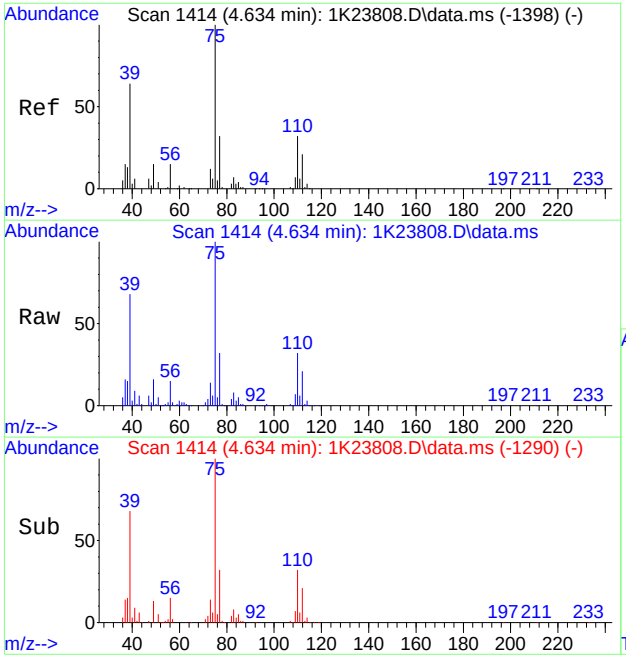


#45
cyclohexane
Concen: 50.00 ug/L
RT: 4.383 min Scan# 1336
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 84 Resp: 468227

Ion	Ratio	Lower	Upper
84	100		
56	144.1	124.1	164.1
41	78.3	58.3	98.3

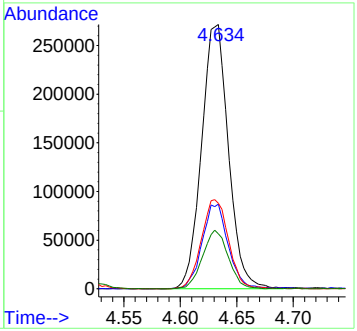


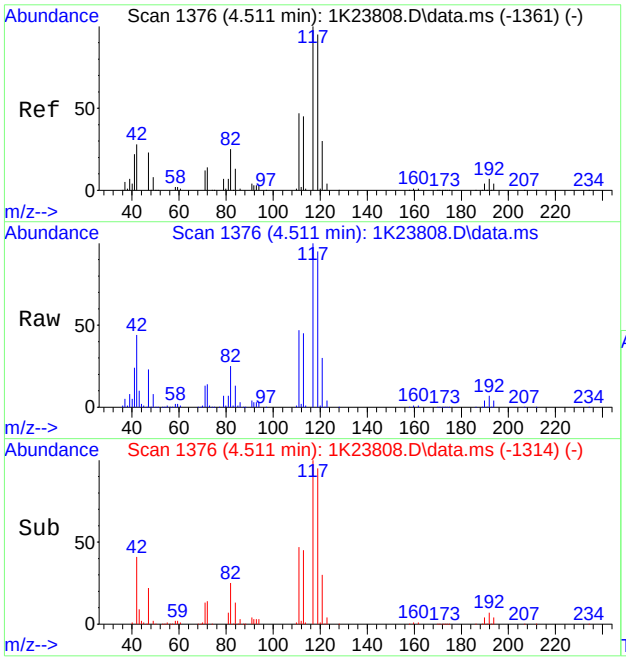


#46
1,1-dichloropropene
Concen: 50.00 ug/L
RT: 4.634 min Scan# 1414
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 75 Resp: 449612

Ion	Ratio	Lower	Upper
75	100		
77	32.0	12.0	52.0
110	32.3	12.3	52.3
112	20.8	0.8	40.8

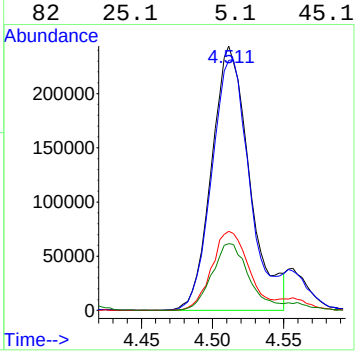


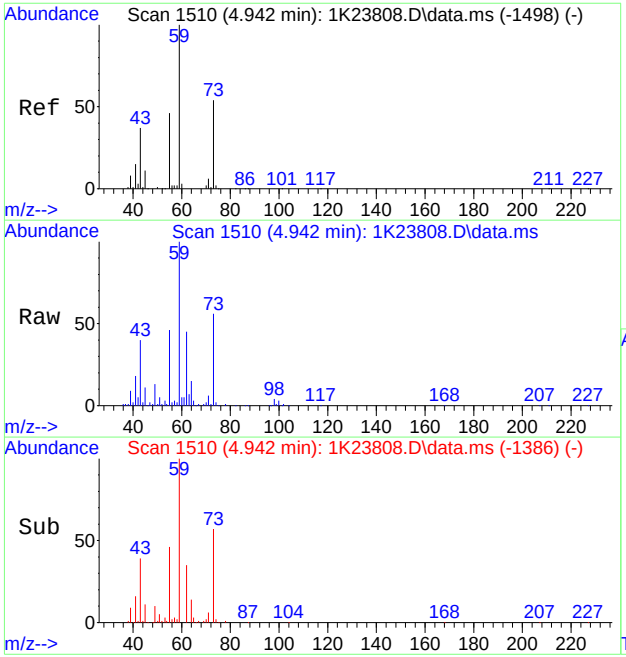


#47
carbon tetrachloride
Concen: 46.21 ug/L
RT: 4.511 min Scan# 1376
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion:117 Resp: 452976

Ion	Ratio	Lower	Upper
117	100		
119	94.6	74.6	114.6
121	29.9	9.9	49.9
82	25.1	5.1	45.1

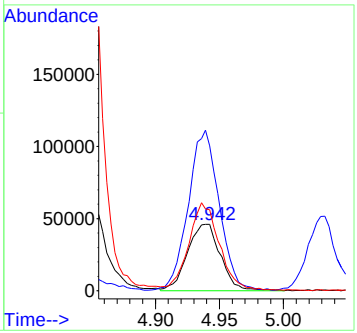


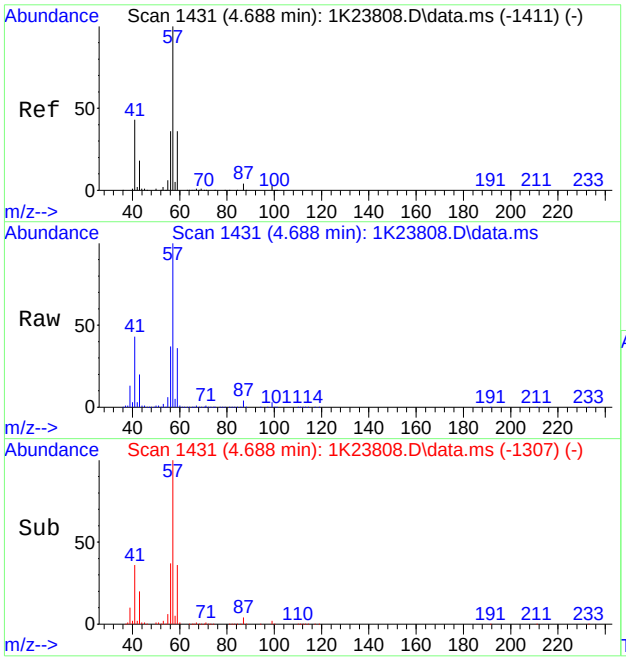


#49
tert-amyl alcohol
Concen: 250.00 ug/L
RT: 4.942 min Scan# 1510
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 55 Resp: 83083

Ion	Ratio	Lower	Upper
55	100		
59	214.2	194.2	234.2
73	121.1	101.1	141.1

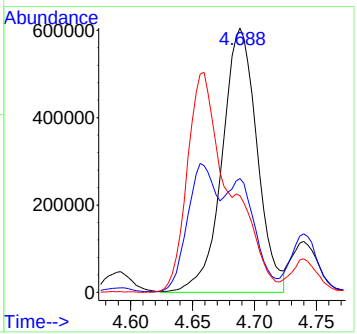


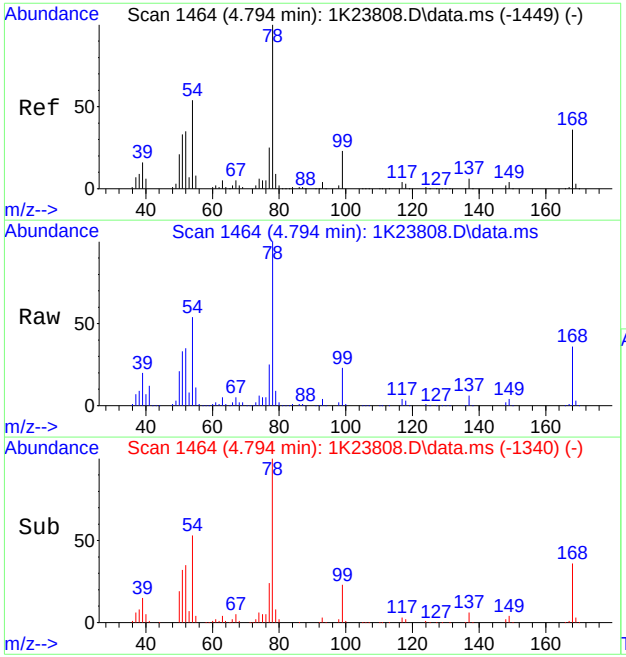


#52
iso-octane
Concen: 50.00 ug/L
RT: 4.688 min Scan# 1431
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 57 Resp: 1189339

Ion	Ratio	Lower	Upper
57	100		
41	42.7	22.7	62.7
56	36.1	16.1	56.1

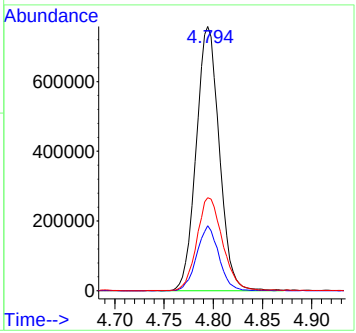


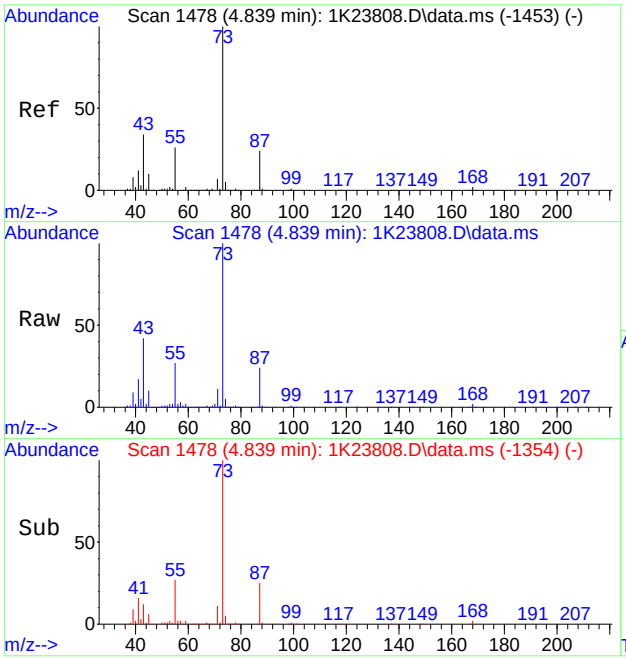


#53
benzene
Concen: 50.00 ug/L
RT: 4.794 min Scan# 1464
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 78 Resp: 1237521

Ion	Ratio	Lower	Upper
78	100		
77	24.5	0.0	54.5
52	35.0	5.0	65.0

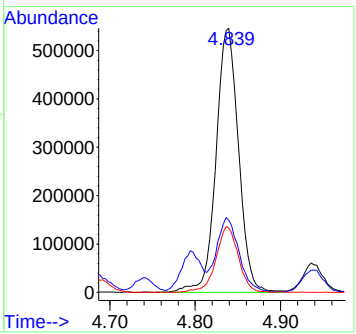


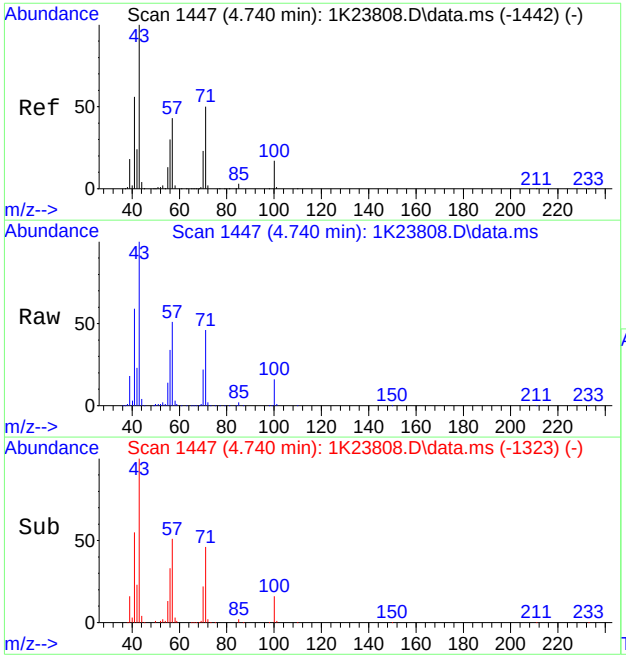


#54
tert-amyl methyl ether
Concen: 49.98 ug/L
RT: 4.839 min Scan# 1478
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 73 Resp: 1001648

Ion	Ratio	Lower	Upper
73	100		
55	27.0	7.0	47.0
87	24.4	4.4	44.4

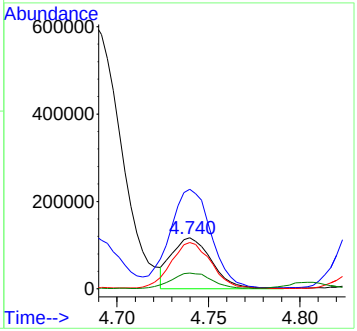


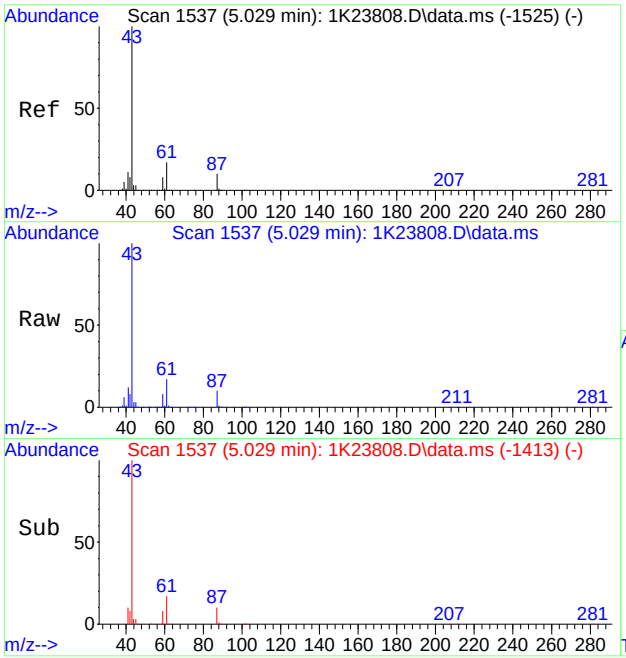


#55
heptane
Concen: 50.01 ug/L
RT: 4.740 min Scan# 1447
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 57 Resp: 178931

Ion	Ratio	Lower	Upper
57	100		
43	195.6	165.6	225.6
71	91.2	61.2	121.2
100	25.6	0.0	55.6

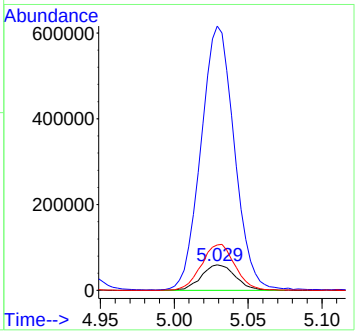


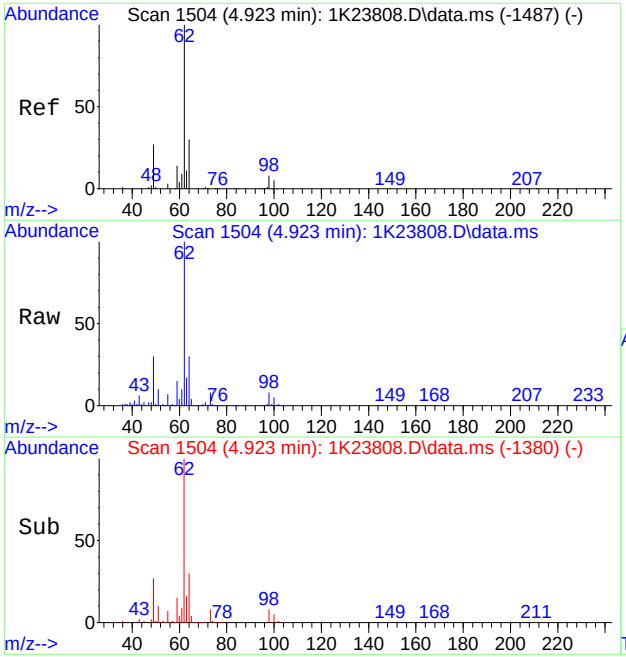


#56
isopropyl acetate
Concen: 50.00 ug/L
RT: 5.029 min Scan# 1537
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 87 Resp: 95315

Ion	Ratio	Lower	Upper
87	100		
43	1028.2	998.2	1058.2
61	177.0	147.0	207.0

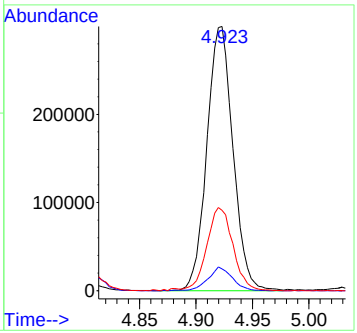


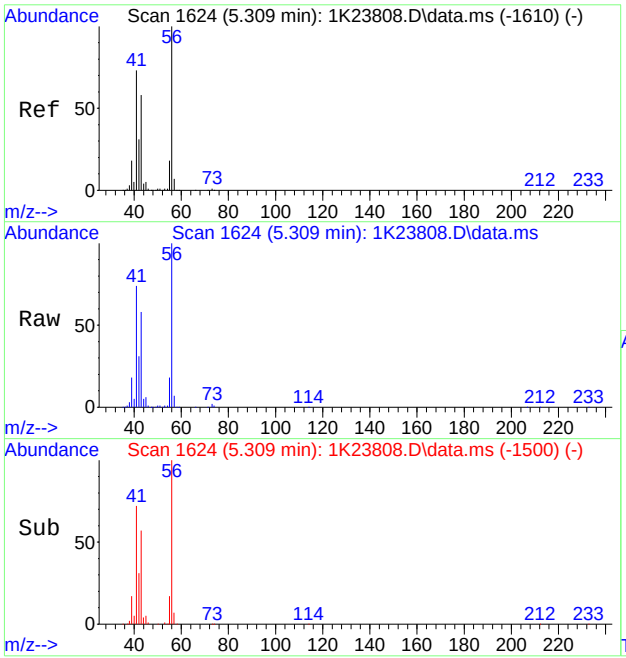


#57
1,2-dichloroethane
Concen: 50.00 ug/L
RT: 4.923 min Scan# 1504
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 62 Resp: 480995

Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	38.3
64	30.4	0.4	60.4

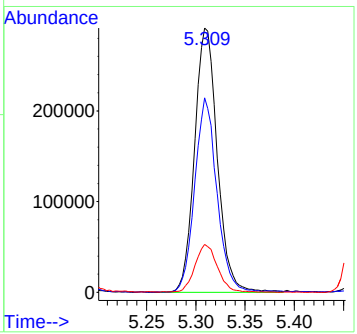


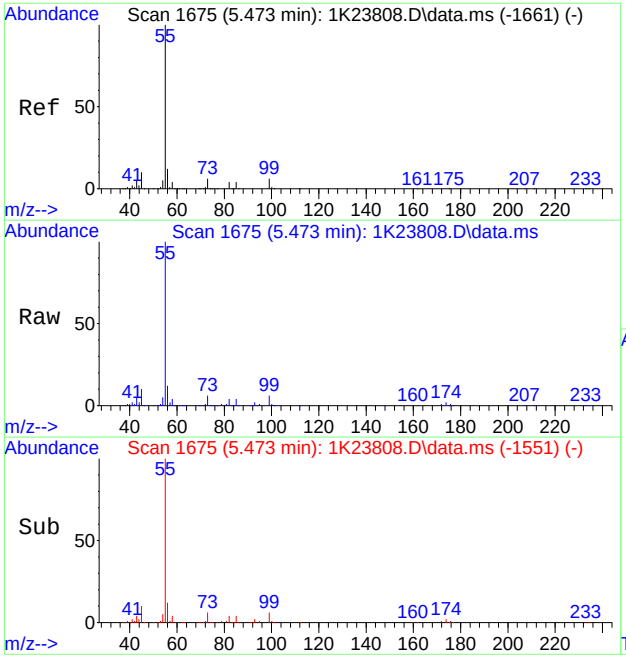


#58
n-butyl alcohol
Concen: 2500.00 ug/L
RT: 5.309 min Scan# 1624
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 56 Resp: 468268

Ion	Ratio	Lower	Upper
56	100		
41	73.5	53.5	93.5
55	18.0	0.0	38.0

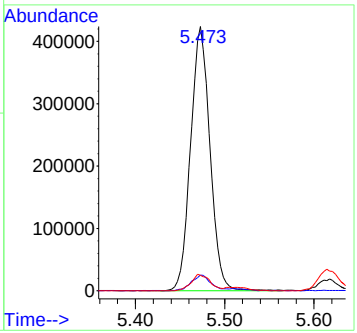


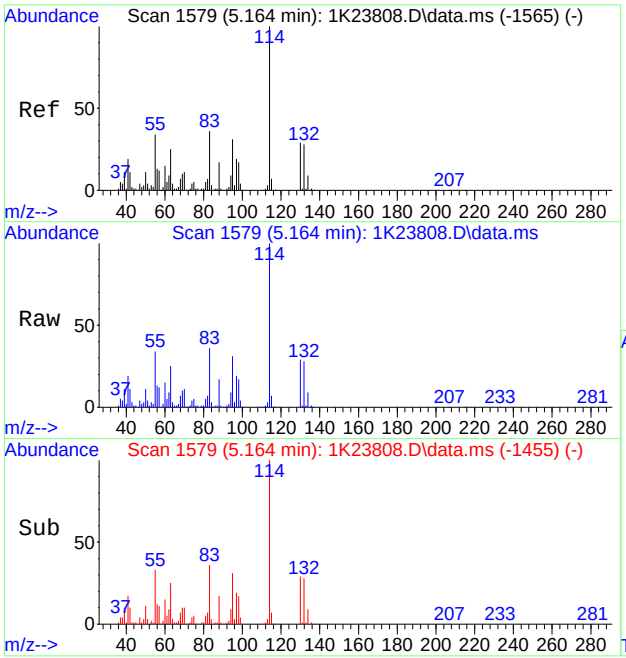


#59
ethyl acrylate
Concen: 50.00 ug/L
RT: 5.473 min Scan# 1675
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 55 Resp: 640606

Ion	Ratio	Lower	Upper
55	100		
73	5.8	0.0	35.8
99	5.9	0.0	35.9

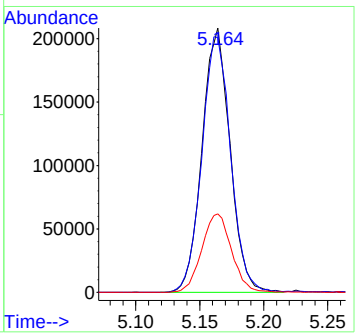


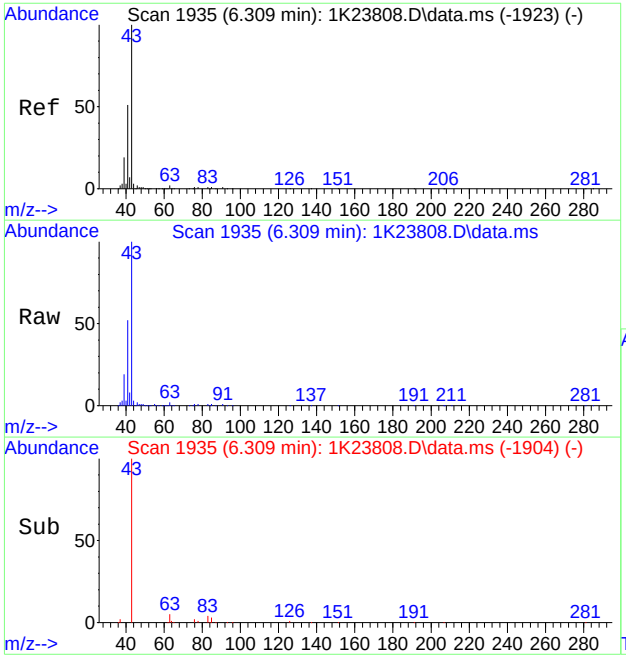


#60
trichloroethene
Concen: 50.00 ug/L
RT: 5.164 min Scan# 1579
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion:130 Resp: 317750

Ion	Ratio	Lower	Upper
130	100		
132	96.4	66.4	126.4
134	29.6	0.0	59.6

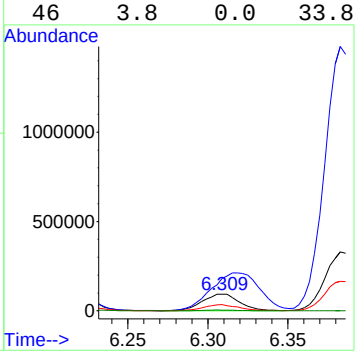


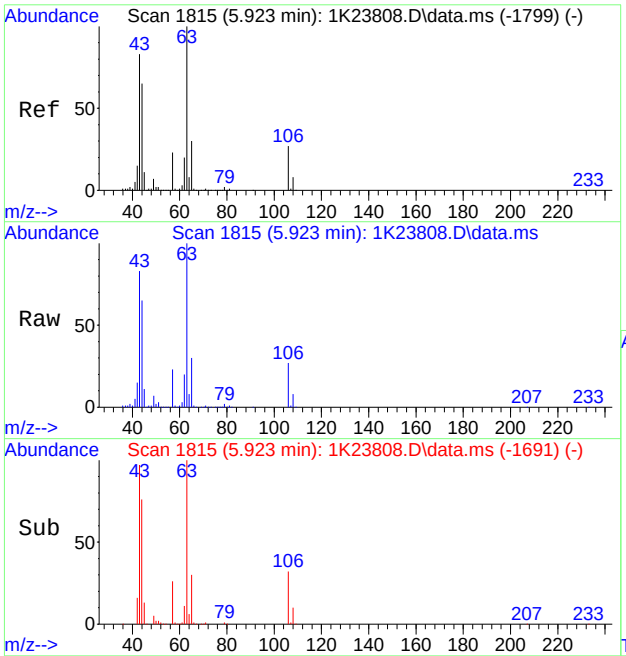


#61
2-nitropropane
Concen: 50.00 ug/L
RT: 6.309 min Scan# 1935
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 41 Resp: 147398

Ion	Ratio	Lower	Upper
41	100		
43	194.7	164.7	224.7
39	36.3	6.3	66.3
46	3.8	0.0	33.8

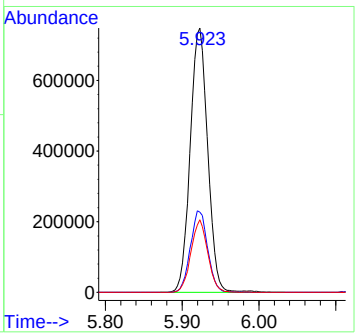


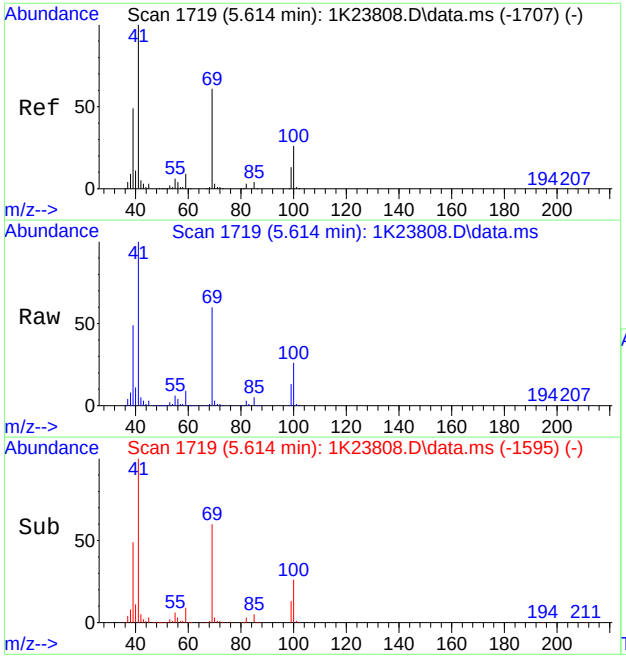


#62
2-chloroethyl vinyl ether
Concen: 250.00 ug/L
RT: 5.923 min Scan# 1815
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 63 Resp: 1182890

Ion	Ratio	Lower	Upper
63	100		
65	30.4	0.4	60.4
106	27.4	0.0	57.4

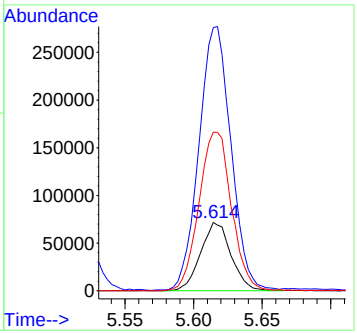


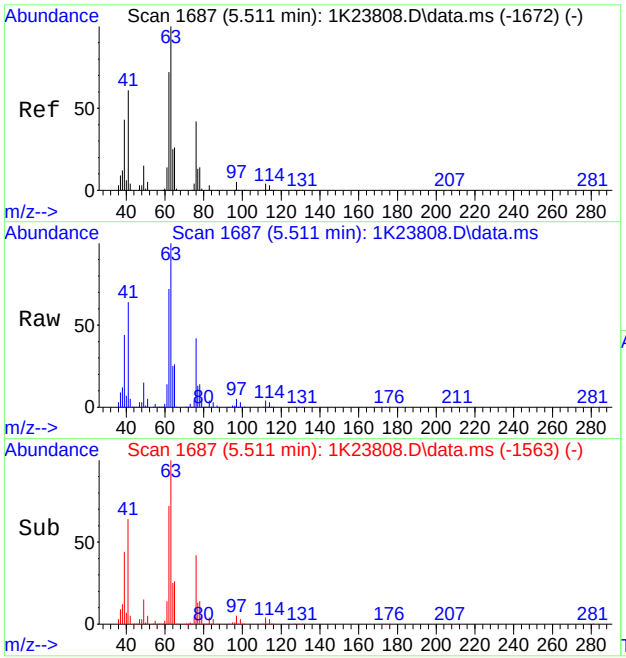


#63
methyl methacrylate
Concen: 50.00 ug/L
RT: 5.614 min Scan# 1719
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion:100 Resp: 110757

Ion	Ratio	Lower	Upper
100	100		
41	382.7	352.7	412.7
69	231.8	201.8	261.8

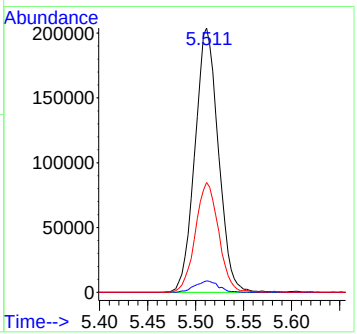


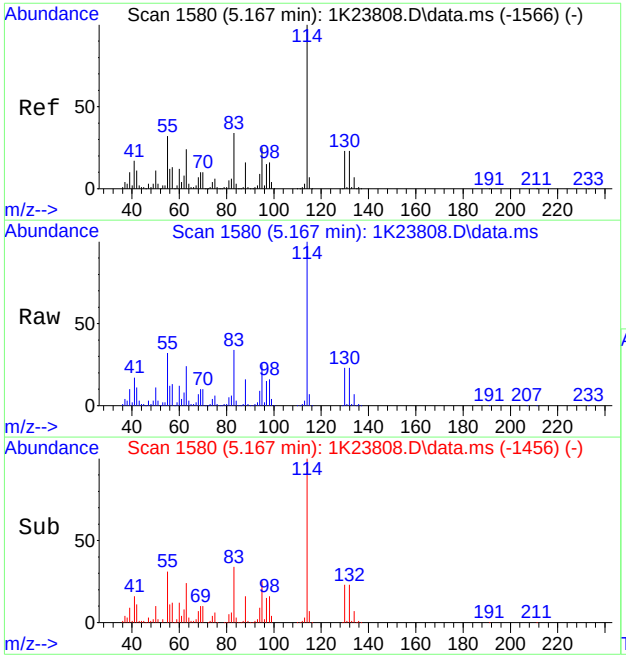


#64
1,2-dichloropropane
Concen: 50.00 ug/L
RT: 5.511 min Scan# 1687
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 63 Resp: 346937

Ion	Ratio	Lower	Upper
63	100		
112	4.3	0.0	34.3
76	41.5	11.5	71.5

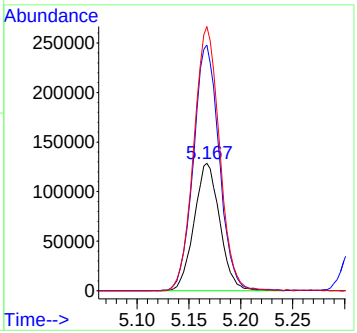


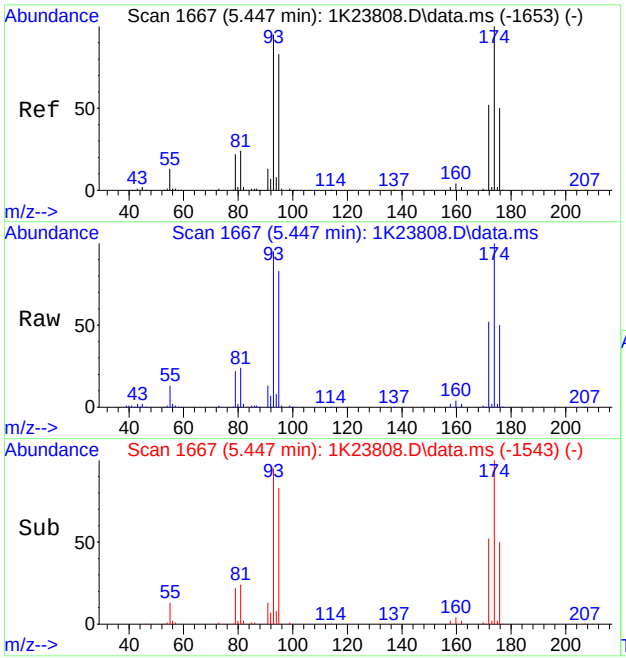


#65
methylcyclohexane
Concen: 50.00 ug/L
RT: 5.167 min Scan# 1580
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 98 Resp: 221826

Ion	Ratio	Lower	Upper
98	100		
55	192.4	162.4	222.4
83	207.4	177.4	237.4

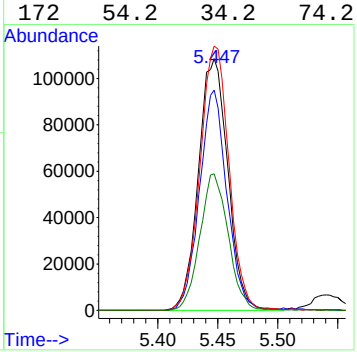


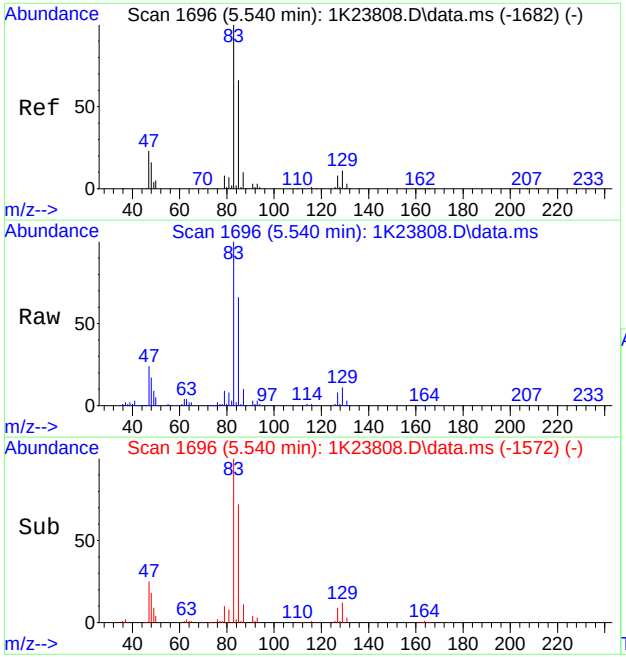


#66
dibromomethane
Concen: 50.00 ug/L
RT: 5.447 min Scan# 1667
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 93 Resp: 185087

Ion	Ratio	Lower	Upper
93	100		
95	87.5	57.5	117.5
174	105.1	75.1	135.1
172	54.2	34.2	74.2

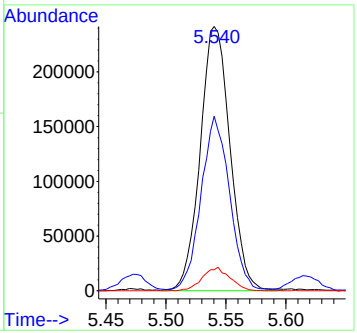


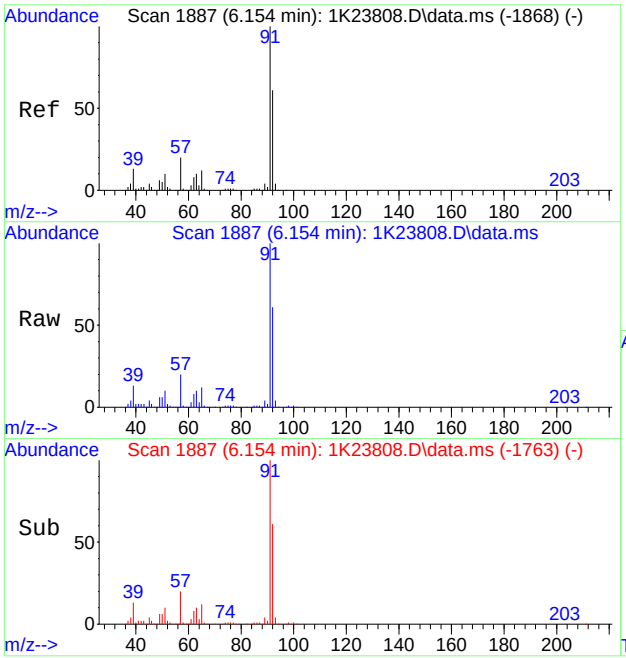


#67
bromodichloromethane
Concen: 50.01 ug/L
RT: 5.540 min Scan# 1696
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 83 Resp: 418441

Ion	Ratio	Lower	Upper
83	100		
85	65.5	35.5	95.5
127	7.9	0.0	37.9

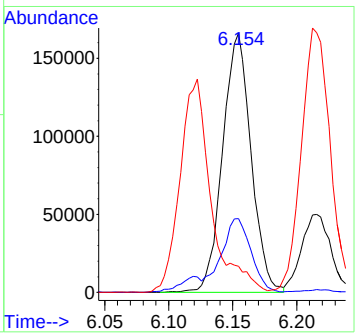


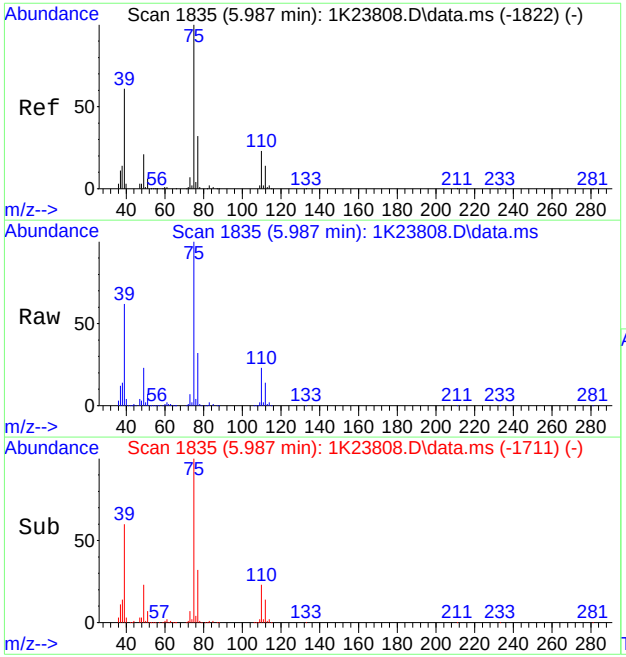


#68
epichlorohydrin
Concen: 250.00 ug/L
RT: 6.154 min Scan# 1887
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 57 Resp: 256737

Ion	Ratio	Lower	Upper
57	100		
49	28.2	8.2	48.2
42	7.5	0.0	27.5

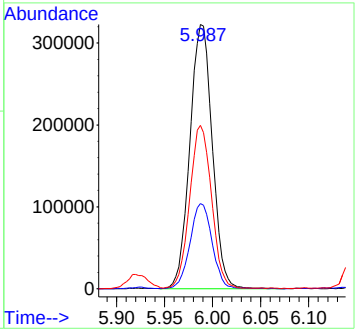


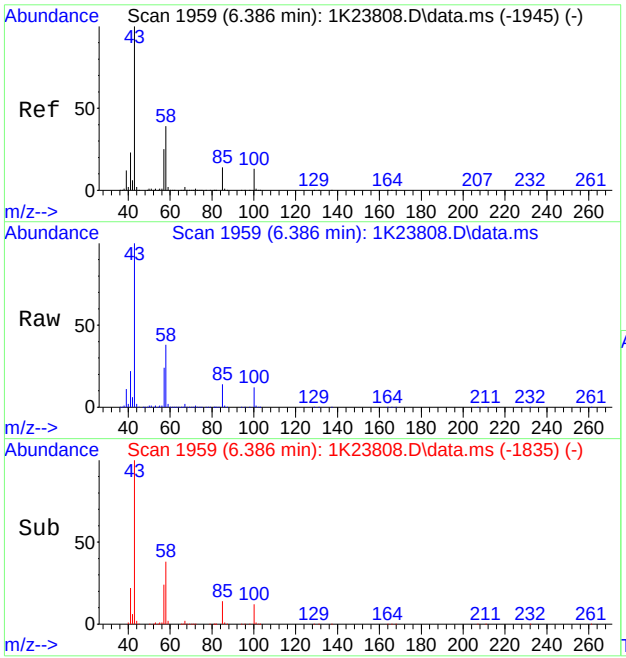


#69
cis-1,3-dichloropropene
Concen: 50.00 ug/L
RT: 5.987 min Scan# 1835
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 75 Resp: 525451

Ion	Ratio	Lower	Upper
75	100		
77	32.2	2.2	62.2
39	61.6	31.6	91.6

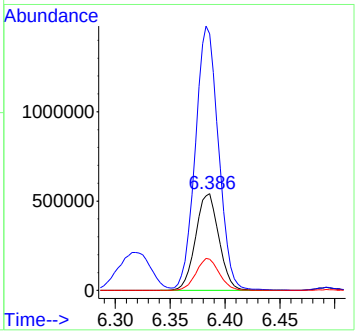


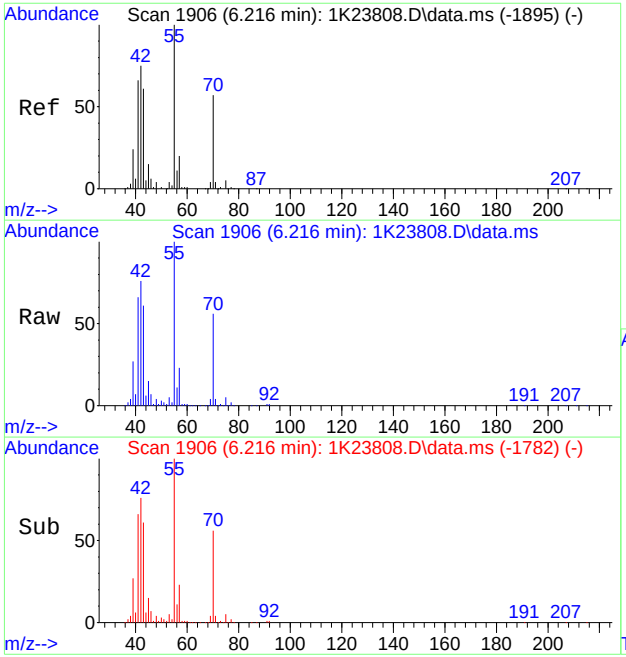


#70
4-methyl-2-pentanone
Concen: 200.00 ug/L
RT: 6.386 min Scan# 1959
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 58 Resp: 798974

Ion	Ratio	Lower	Upper
58	100		
43	265.3	235.3	295.3
100	32.2	2.2	62.2

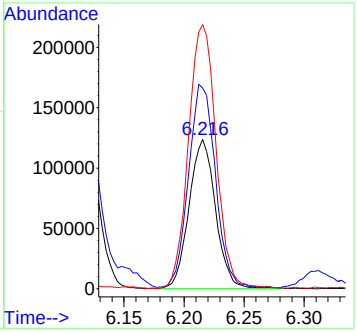


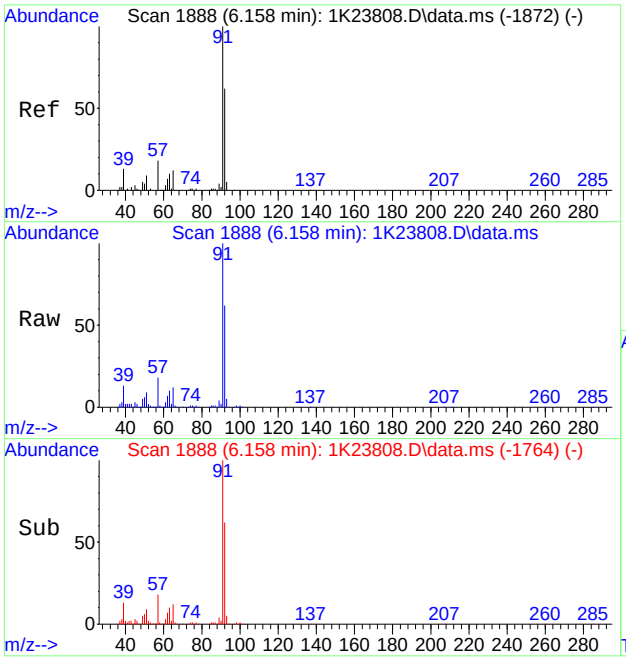


#71
3-methyl-1-butanol
Concen: 1000.00 ug/L
RT: 6.216 min Scan# 1906
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 70 Resp: 190295

Ion	Ratio	Lower	Upper
70	100		
42	133.4	103.4	163.4
55	176.9	146.9	206.9

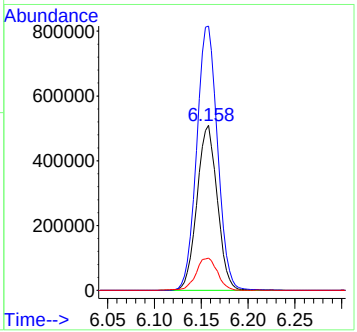


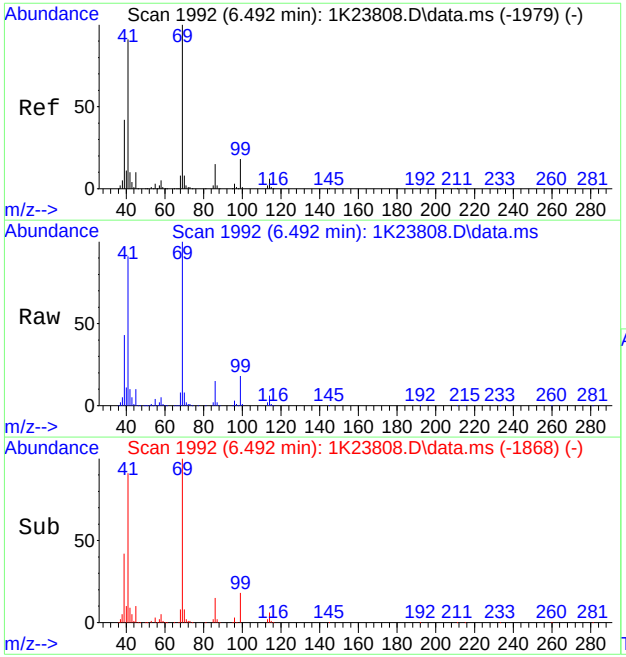


#74
toluene
Concen: 50.00 ug/L
RT: 6.158 min Scan# 1888
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 92 Resp: 769447

Ion	Ratio	Lower	Upper
92	100		
91	160.0	140.0	180.0
65	19.6	0.0	39.6

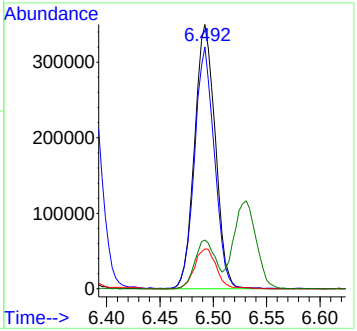


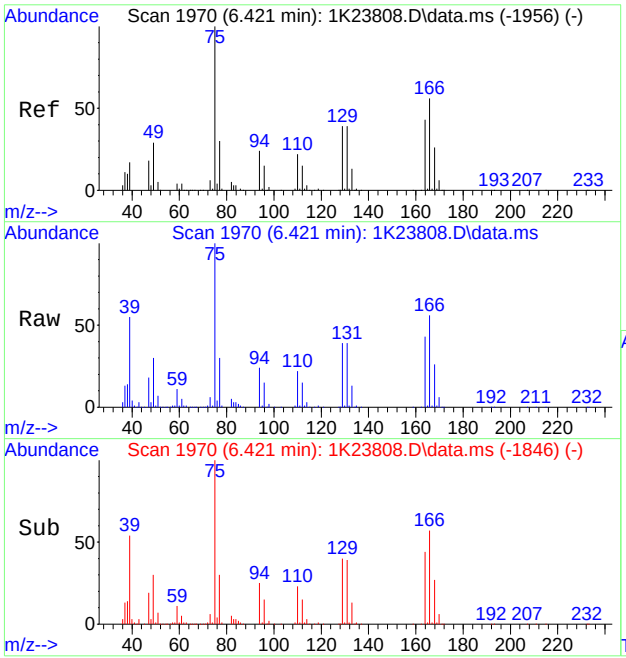


#75
ethyl methacrylate
Concen: 50.00 ug/L
RT: 6.492 min Scan# 1992
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 69 Resp: 471659

Ion	Ratio	Lower	Upper
69	100		
41	91.2	71.2	111.2
86	15.1	0.0	35.1
99	18.4	0.0	38.4

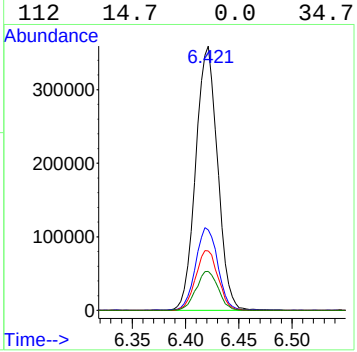


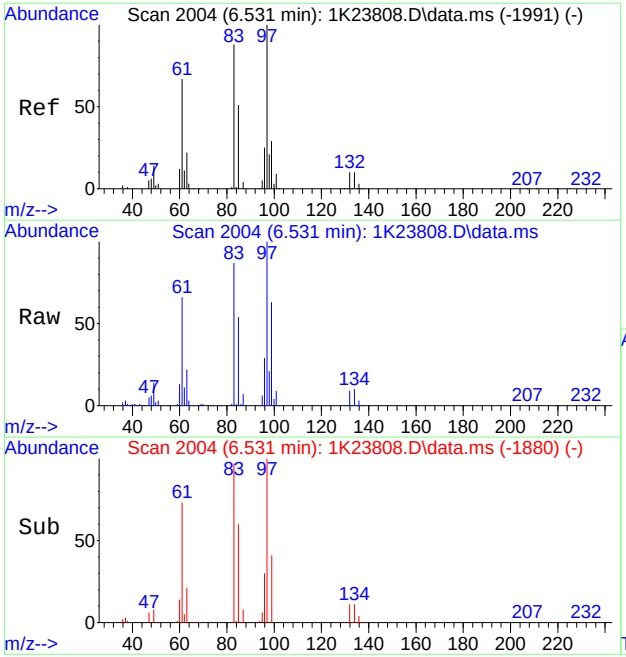


#76
trans-1,3-dichloropropene
Concen: 50.00 ug/L
RT: 6.421 min Scan# 1970
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 75 Resp: 513252

Ion	Ratio	Lower	Upper
75	100		
77	30.4	10.4	50.4
110	22.4	2.4	42.4
112	14.7	0.0	34.7

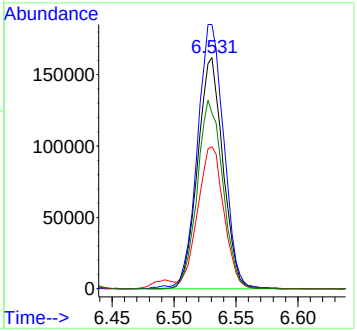


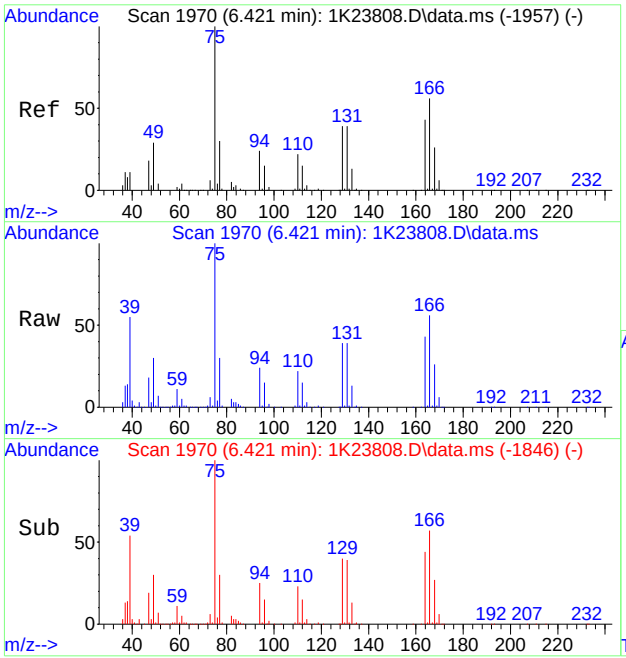


#77
1,1,2-trichloroethane
Concen: 50.00 ug/L
RT: 6.531 min Scan# 2004
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 83 Resp: 231188

Ion	Ratio	Lower	Upper
83	100		
97	114.4	94.4	134.4
85	61.5	41.5	81.5
61	76.0	56.0	96.0

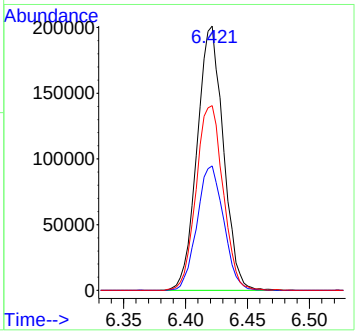


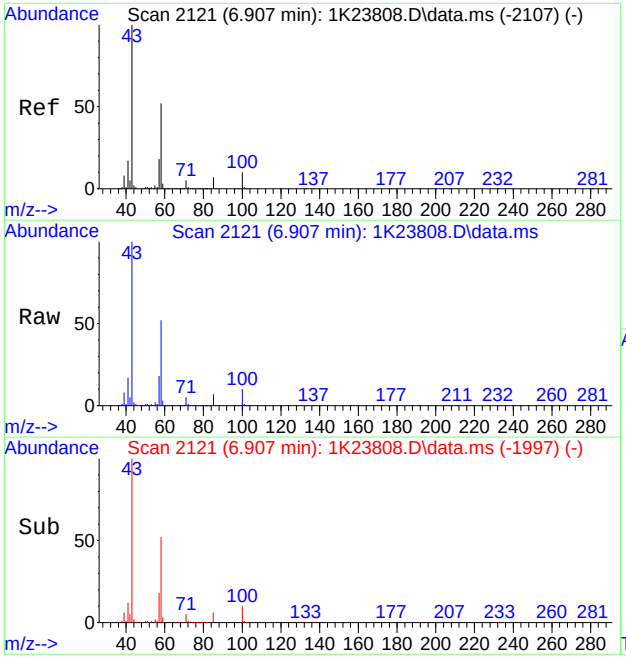


#78
tetrachloroethene
Concen: 50.00 ug/L
RT: 6.421 min Scan# 1970
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion:166 Resp: 295985

Ion	Ratio	Lower	Upper
166	100		
168	47.0	17.0	77.0
129	69.8	39.8	99.8

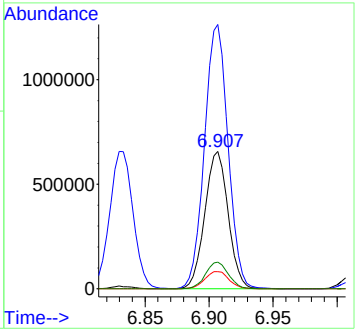


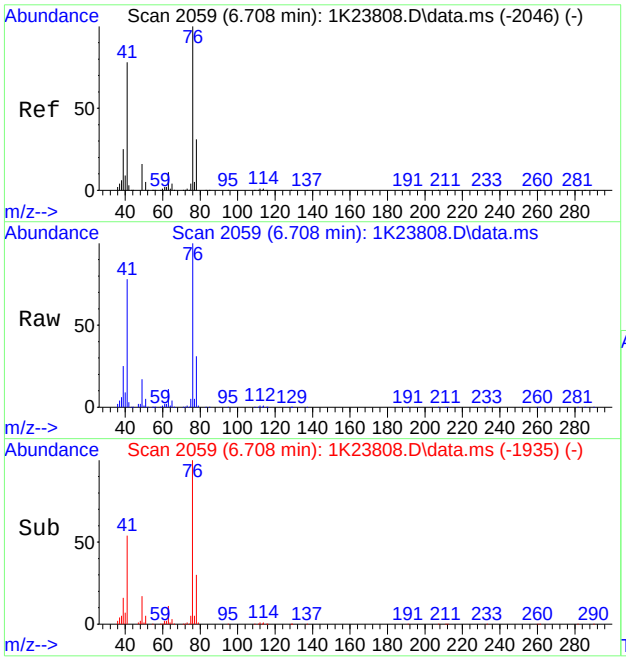


#79
2-hexanone
Concen: 200.00 ug/L
RT: 6.907 min Scan# 2121
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 58 Resp: 833668

Ion	Ratio	Lower	Upper
58	100		
43	192.5	172.5	212.5
85	12.5	0.0	32.5
100	19.5	0.0	39.5

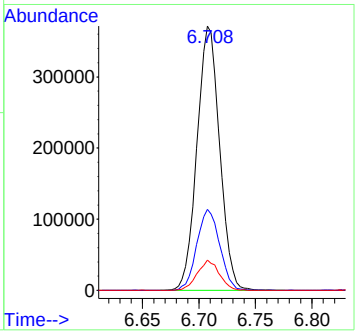


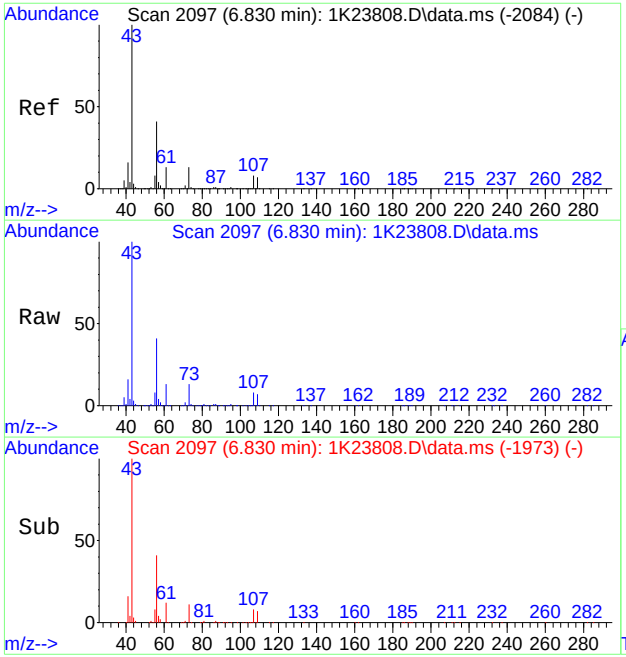


#80
1,3-dichloropropane
Concen: 50.00 ug/L
RT: 6.708 min Scan# 2059
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 76 Resp: 516348

Ion	Ratio	Lower	Upper
76	100		
78	30.6	0.6	60.6
63	11.5	0.0	41.5

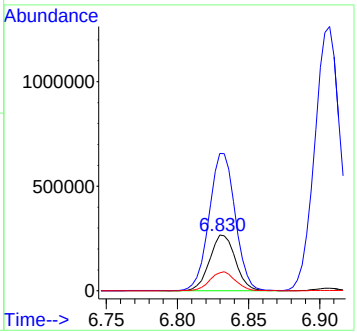


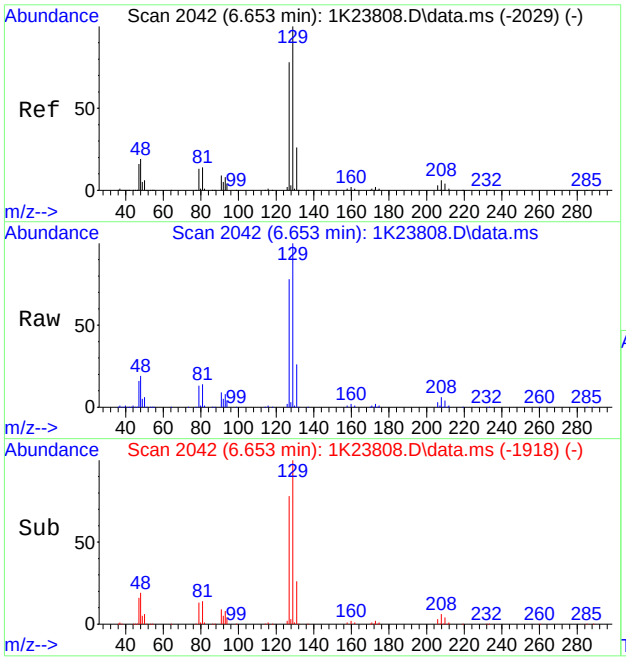


#81
butyl acetate
Concen: 50.00 ug/L
RT: 6.830 min Scan# 2097
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 56 Resp: 337733

Ion	Ratio	Lower	Upper
56	100		
43	245.3	215.3	275.3
73	32.2	2.2	62.2

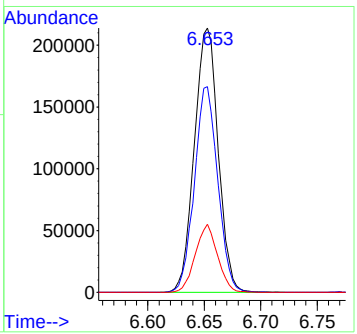


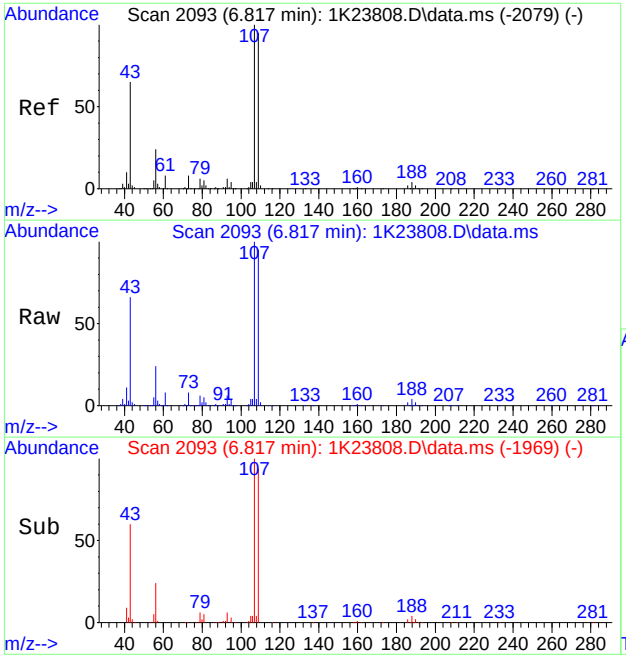


#82
dibromochloromethane
Concen: 50.00 ug/L
RT: 6.653 min Scan# 2042
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion:129 Resp: 314158

Ion	Ratio	Lower	Upper
129	100		
127	77.8	47.8	107.8
131	25.8	0.0	55.8

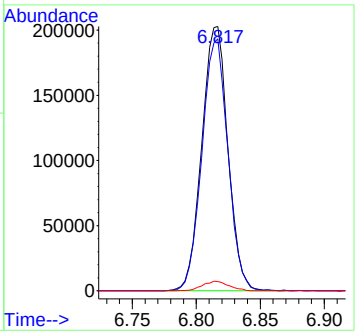


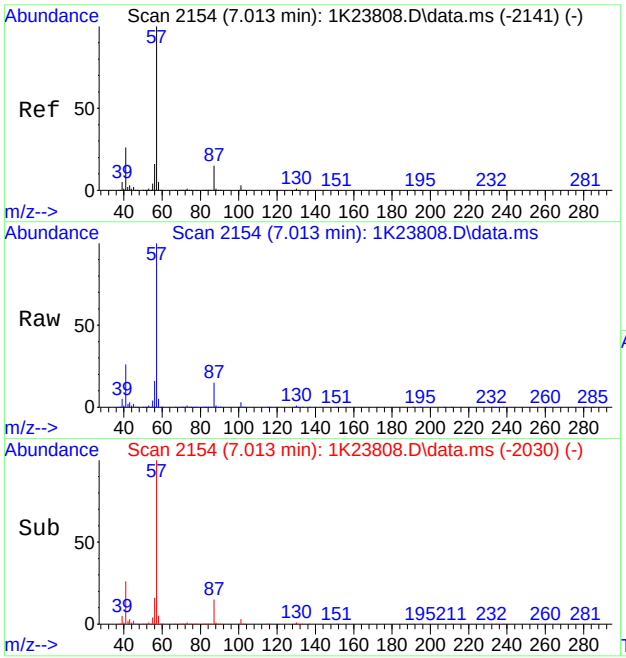


#83
1,2-dibromoethane
Concen: 50.00 ug/L
RT: 6.817 min Scan# 2093
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion:107 Resp: 288554

Ion	Ratio	Lower	Upper
107	100		
109	95.3	65.3	125.3
188	3.6	0.0	33.6

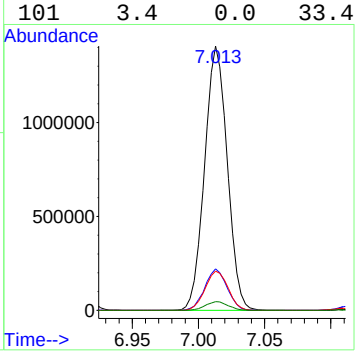


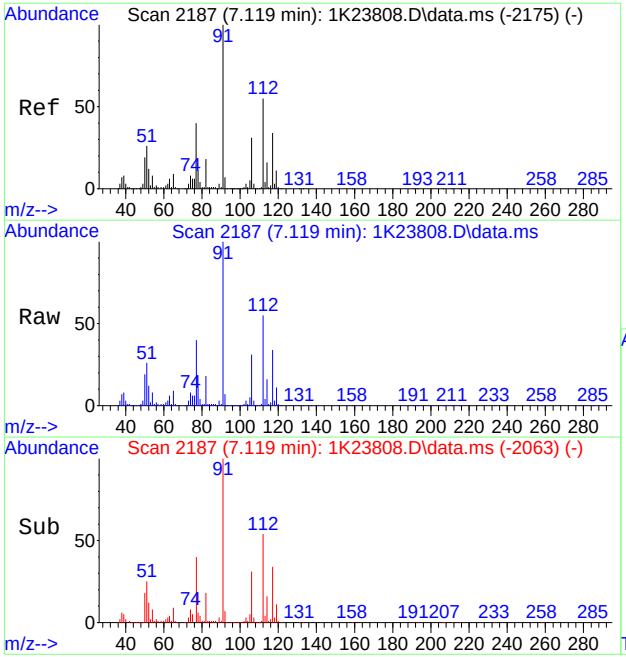


#84
n-butyl ether
Concen: 50.00 ug/L
RT: 7.013 min Scan# 2154
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 57 Resp: 1675771

Ion	Ratio	Lower	Upper
57	100		
56	15.7	0.0	45.7
87	14.9	0.0	44.9
101	3.4	0.0	33.4

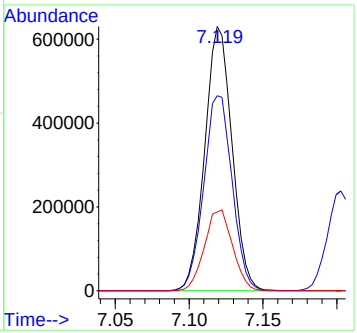


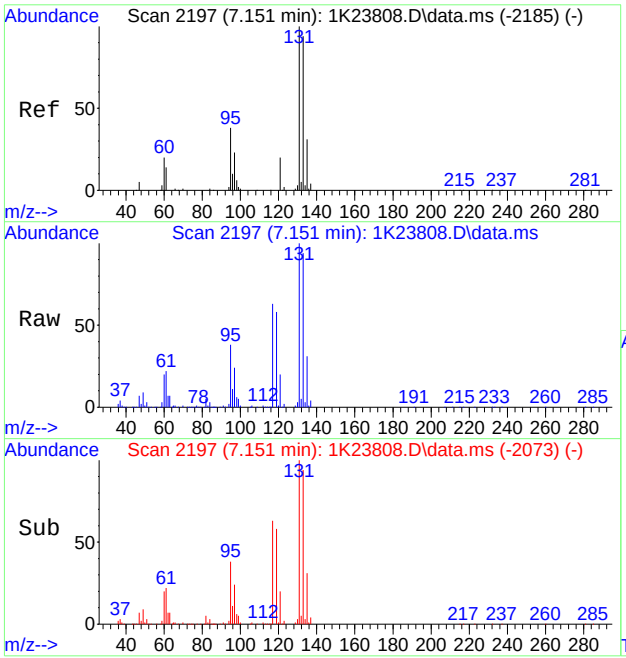


#85
chlorobenzene
Concen: 50.00 ug/L
RT: 7.119 min Scan# 2187
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion:112 Resp: 805739

Ion	Ratio	Lower	Upper
112	100		
77	73.7	43.7	103.7
114	29.8	0.0	59.8

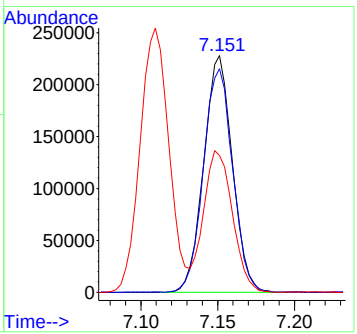


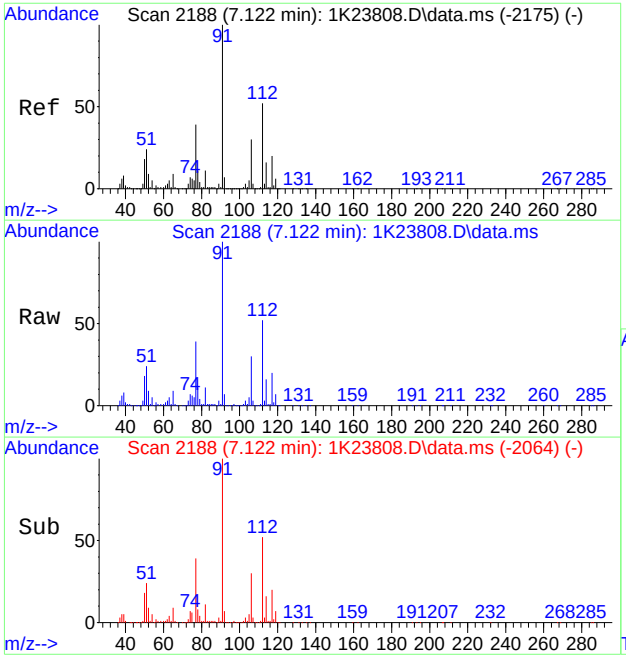


#86
1,1,1,2-tetrachloroethane
Concen: 50.00 ug/L
RT: 7.151 min Scan# 2197
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion:131 Resp: 295649

Ion	Ratio	Lower	Upper
131	100		
133	94.3	64.3	124.3
119	57.7	27.7	87.7

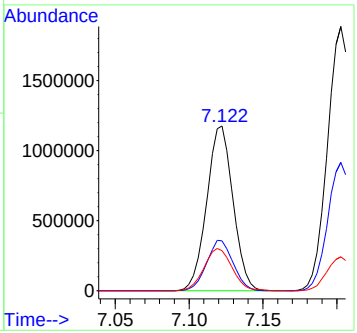


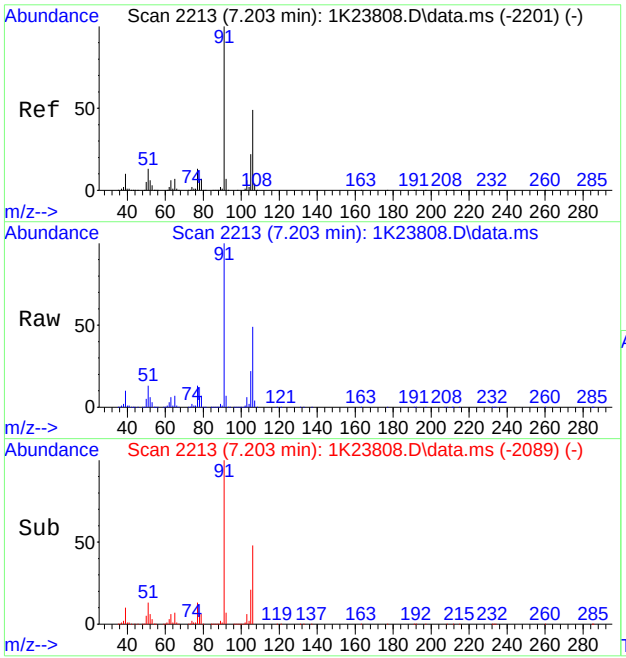


#87
ethylbenzene
Concen: 50.00 ug/L
RT: 7.122 min Scan# 2188
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 91 Resp: 1450381

Ion	Ratio	Lower	Upper
91	100		
106	30.3	0.3	60.3
51	24.3	0.0	54.3

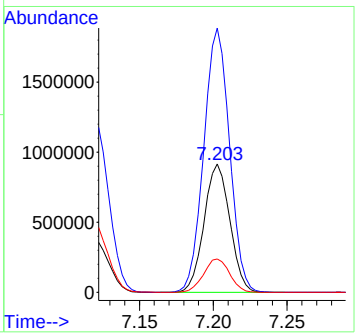


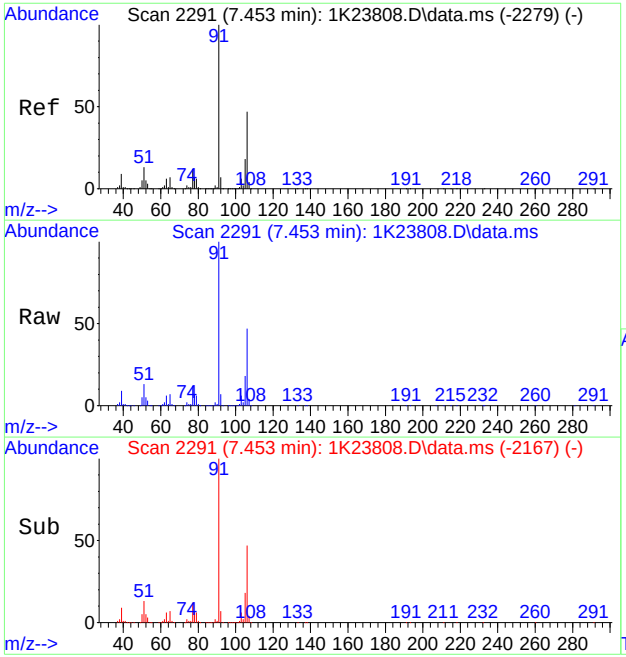


#88
m,p-xylene
Concen: 100.00 ug/L
RT: 7.203 min Scan# 2213
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion:106 Resp: 1110096

Ion	Ratio	Lower	Upper
106	100		
91	206.0	176.0	236.0
77	25.9	5.9	45.9

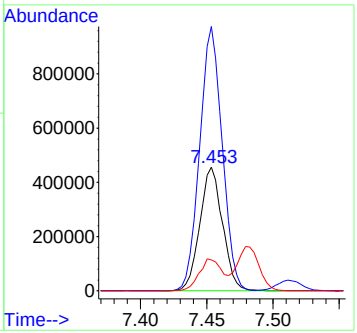


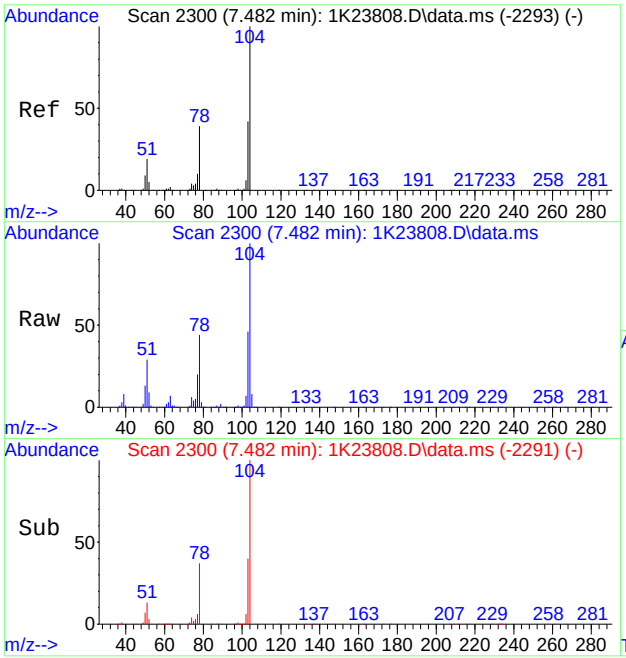


#89
o-xylene
Concen: 50.00 ug/L
RT: 7.453 min Scan# 2291
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion:106 Resp: 542248

Ion	Ratio	Lower	Upper
106	100		
91	213.9	183.9	243.9
77	25.0	5.0	45.0

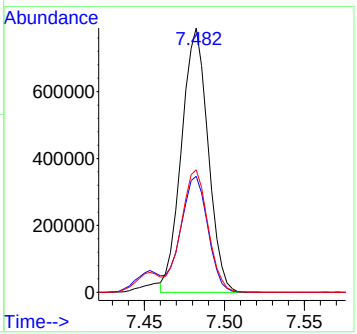


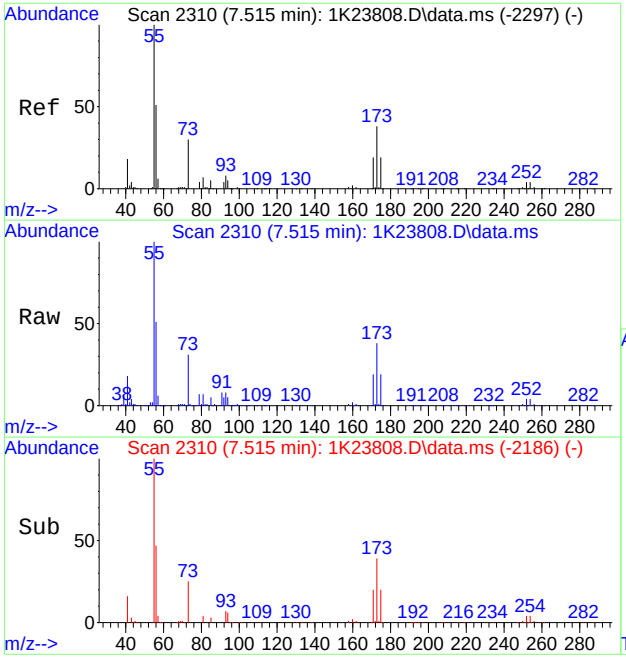


#90
styrene
Concen: 50.01 ug/L
RT: 7.482 min Scan# 2300
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion:104 Resp: 910618

Ion	Ratio	Lower	Upper
104	100		
78	43.8	13.9	73.9
103	46.3	16.3	76.3

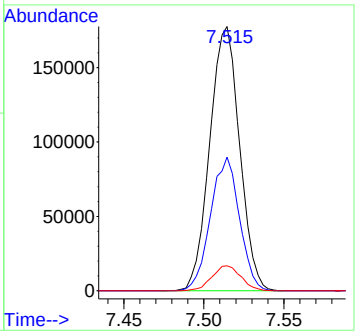


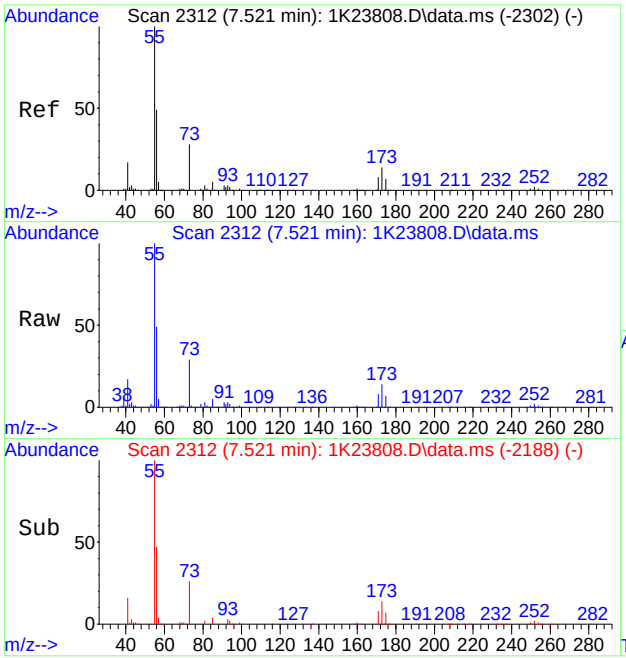


#91
bromoform
Concen: 50.00 ug/L
RT: 7.515 min Scan# 2310
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion:173 Resp: 230791

Ion	Ratio	Lower	Upper
173	100		
175	50.6	20.6	80.6
254	9.4	0.0	39.4

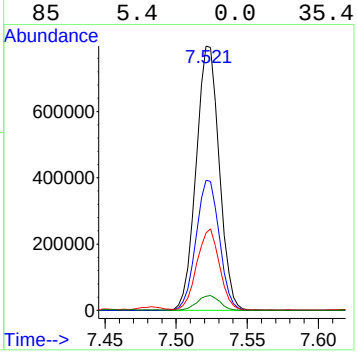


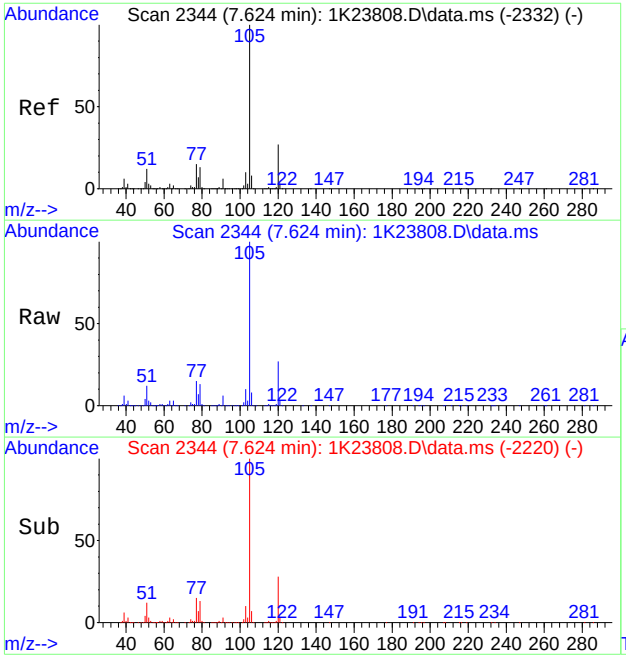


#92
butyl acrylate
Concen: 50.00 ug/L
RT: 7.521 min Scan# 2312
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 55 Resp: 900595

Ion	Ratio	Lower	Upper
55	100		
56	49.2	19.2	79.2
73	29.1	0.0	59.1
85	5.4	0.0	35.4

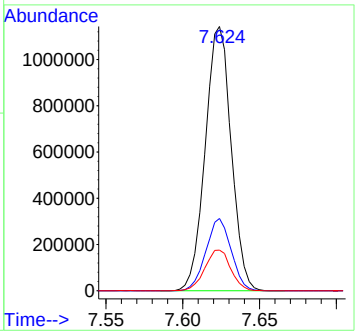


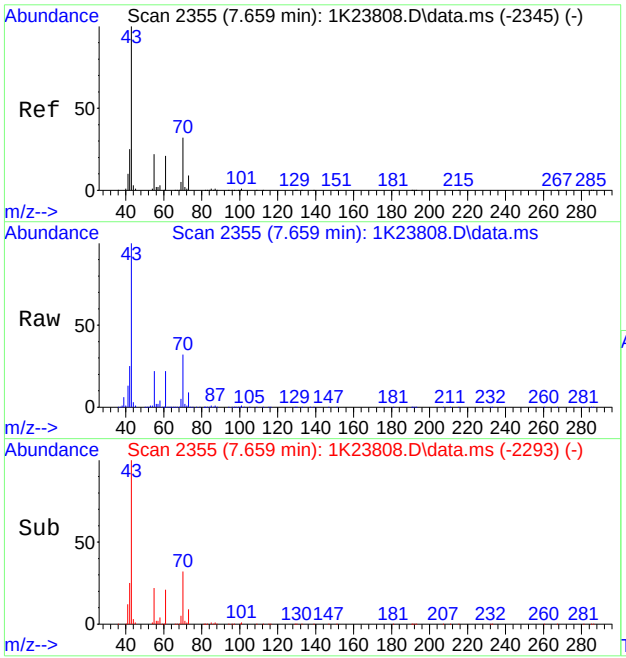


#93
isopropylbenzene
Concen: 50.00 ug/L
RT: 7.624 min Scan# 2344
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion:105 Resp: 1345098

Ion	Ratio	Lower	Upper
105	100		
120	27.4	7.4	47.4
77	15.4	0.0	35.4

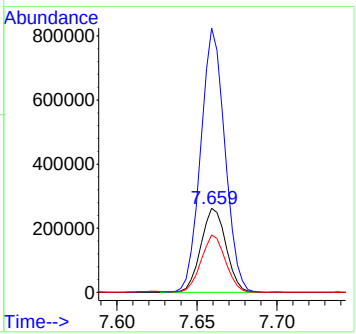


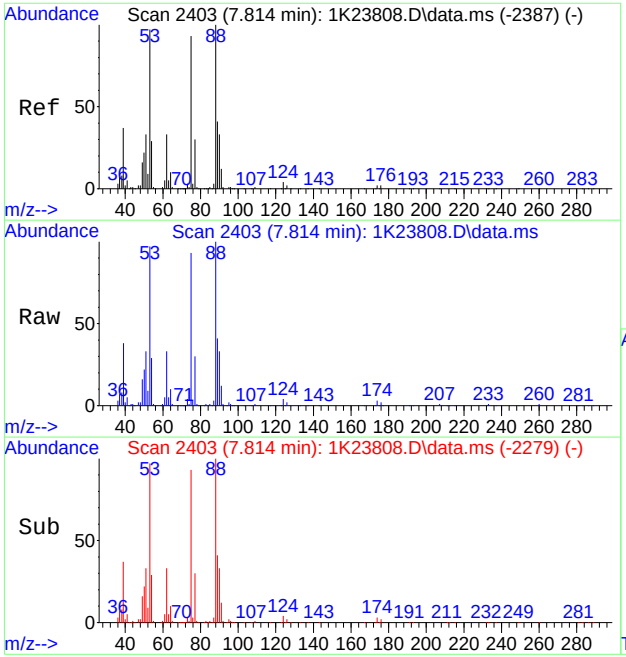


#94
n-amyl acetate
Concen: 50.00 ug/L
RT: 7.659 min Scan# 2355
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 70 Resp: 286776

Ion	Ratio	Lower	Upper
70	100		
43	313.9	293.9	333.9
61	68.4	48.4	88.4

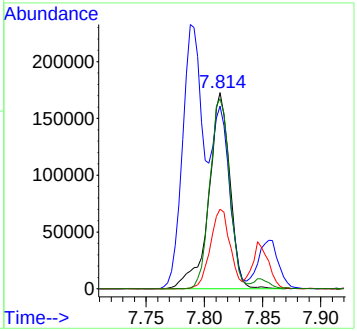


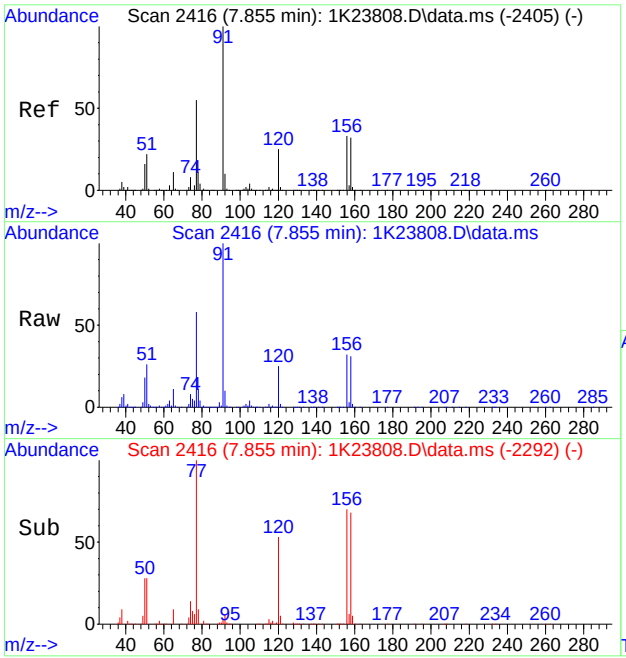


#95
cis-1,4-dichloro-2-butene
Concen: 50.00 ug/L
RT: 7.814 min Scan# 2403
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 88 Resp: 218408

Ion	Ratio	Lower	Upper
88	100		
75	92.9	72.9	112.9
89	40.6	20.6	60.6
53	96.9	76.9	116.9

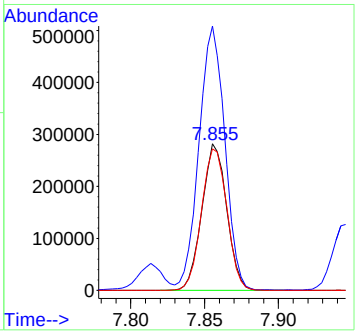


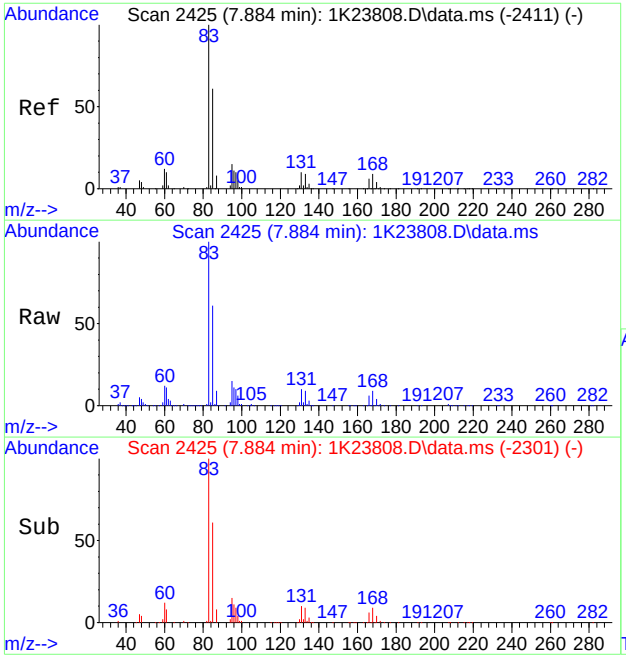


#98
bromobenzene
Concen: 50.00 ug/L
RT: 7.855 min Scan# 2416
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion:156 Resp: 328704

Ion	Ratio	Lower	Upper
156	100		
77	180.1	150.1	210.1
158	96.6	66.6	126.6

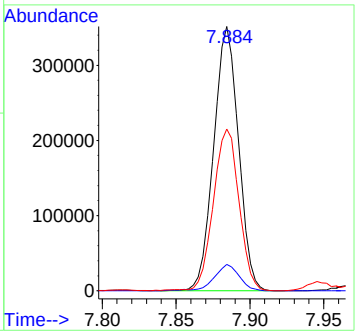


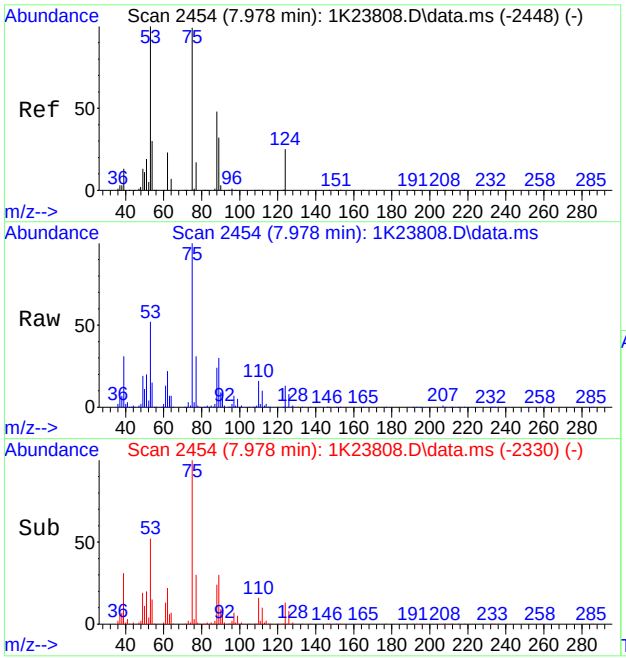


#99
1,1,2,2-tetrachloroethane
Concen: 50.00 ug/L
RT: 7.884 min Scan# 2425
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 83 Resp: 409003

Ion	Ratio	Lower	Upper
83	100		
131	10.0	0.0	40.0
85	61.1	31.1	91.1

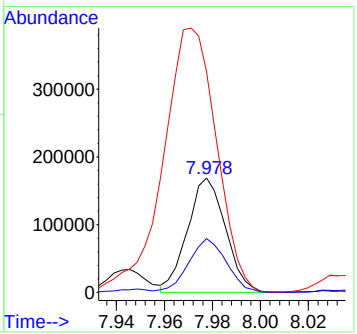


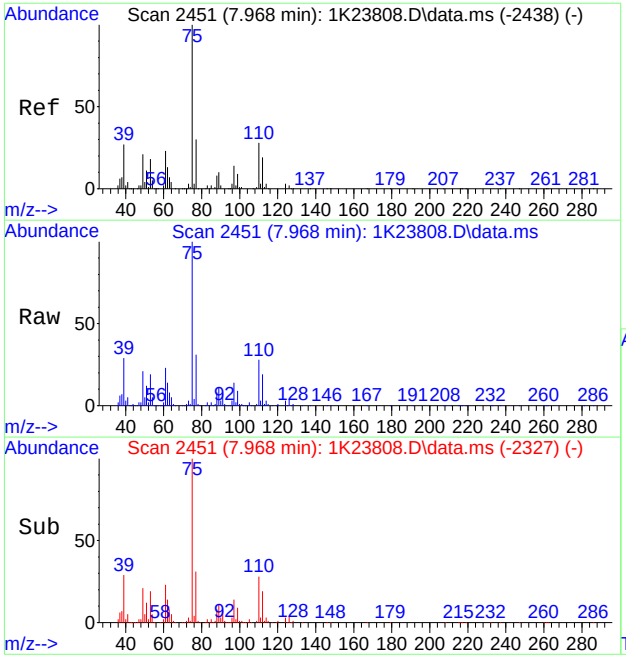


#100
trans-1,4-dichloro-2-butene
Concen: 50.00 ug/L
RT: 7.978 min Scan# 2454
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 53 Resp: 185689

Ion	Ratio	Lower	Upper
53	100		
88	47.1	17.1	77.1
75	192.2	162.2	222.2

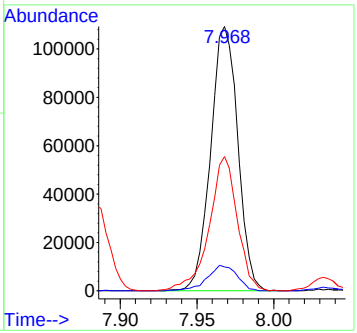


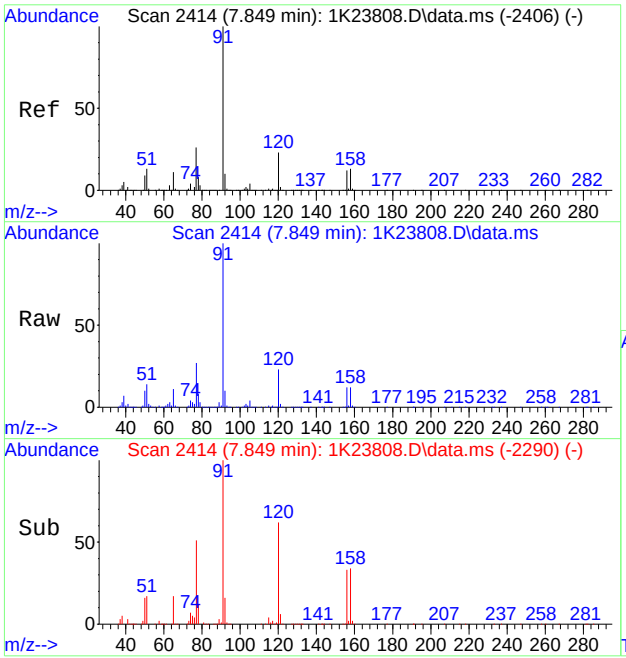


#101
1,2,3-trichloropropane
Concen: 50.00 ug/L
RT: 7.968 min Scan# 2451
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion:110 Resp: 134454

Ion	Ratio	Lower	Upper
110	100		
111	9.1	0.0	39.1
97	50.8	20.8	80.8

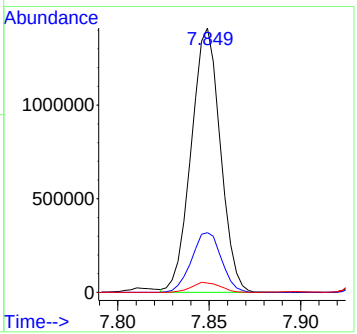


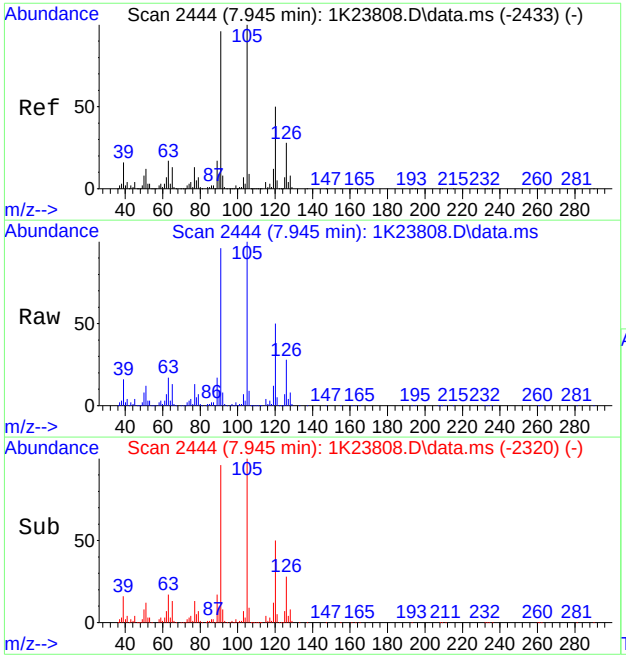


#102
n-propylbenzene
Concen: 49.95 ug/L
RT: 7.849 min Scan# 2414
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 91 Resp: 1570632

Ion	Ratio	Lower	Upper
91	100		
120	22.5	0.0	52.5
105	3.5	0.0	33.5

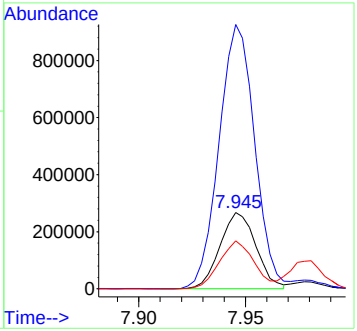


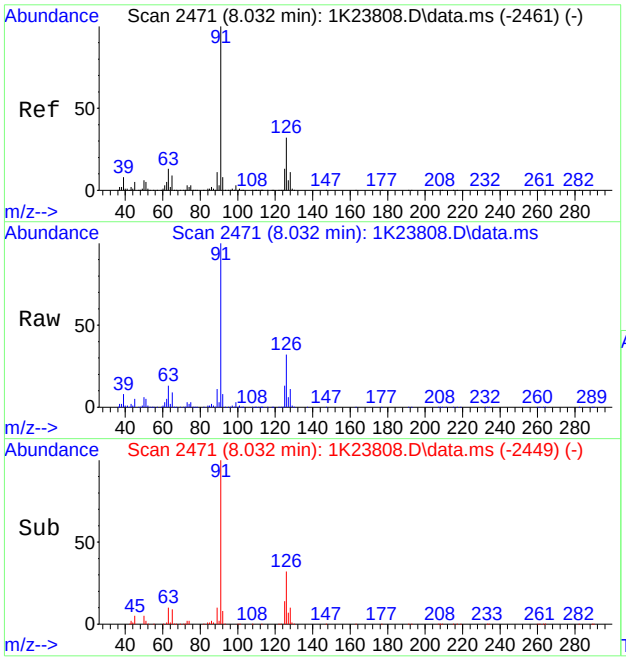


#103
2-chlorotoluene
Concen: 50.00 ug/L
RT: 7.945 min Scan# 2444
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion:126 Resp: 313495

Ion	Ratio	Lower	Upper
126	100		
91	346.4	316.4	376.4
89	63.0	33.0	93.0

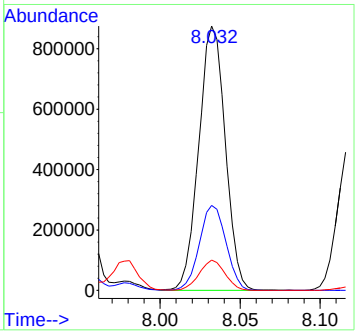


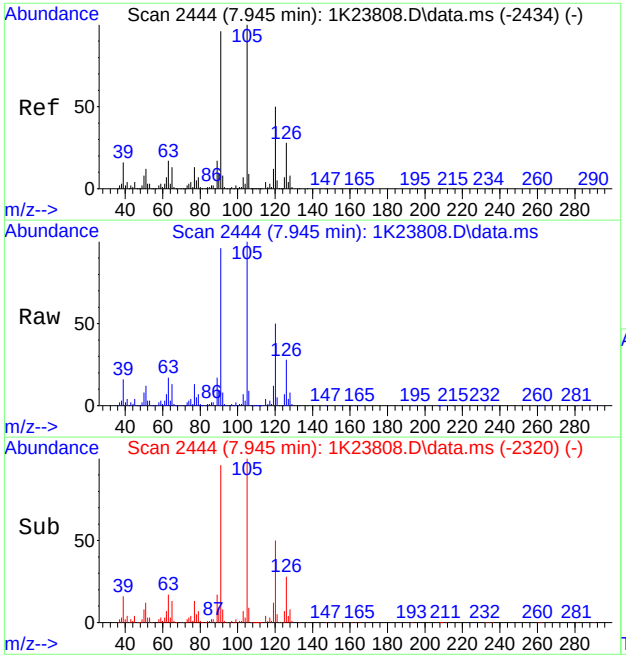


#104
4-chlorotoluene
Concen: 50.00 ug/L
RT: 8.032 min Scan# 2471
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 91 Resp: 1008769

Ion	Ratio	Lower	Upper
91	100		
126	32.1	2.1	62.1
89	11.4	0.0	41.4

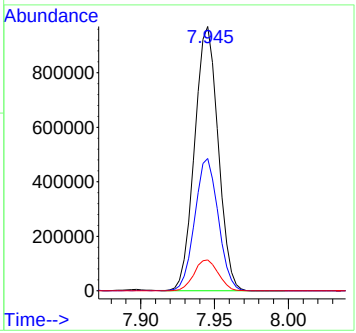


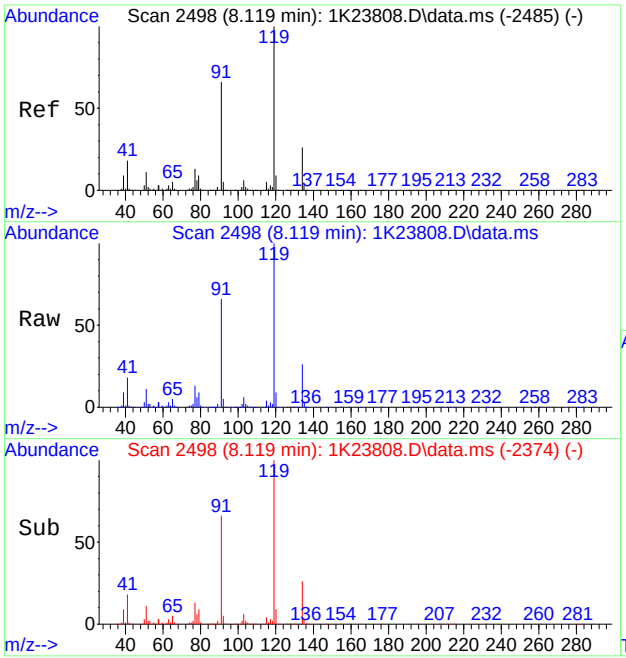


#105
1,3,5-trimethylbenzene
Concen: 50.00 ug/L
RT: 7.945 min Scan# 2444
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion:105 Resp: 1075908

Ion	Ratio	Lower	Upper
105	100		
120	50.0	20.0	80.0
119	11.7	0.0	41.7

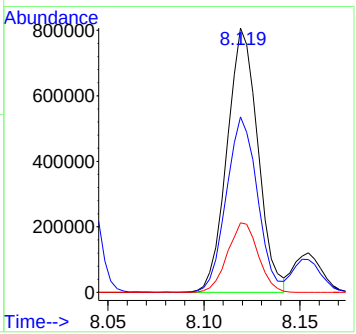


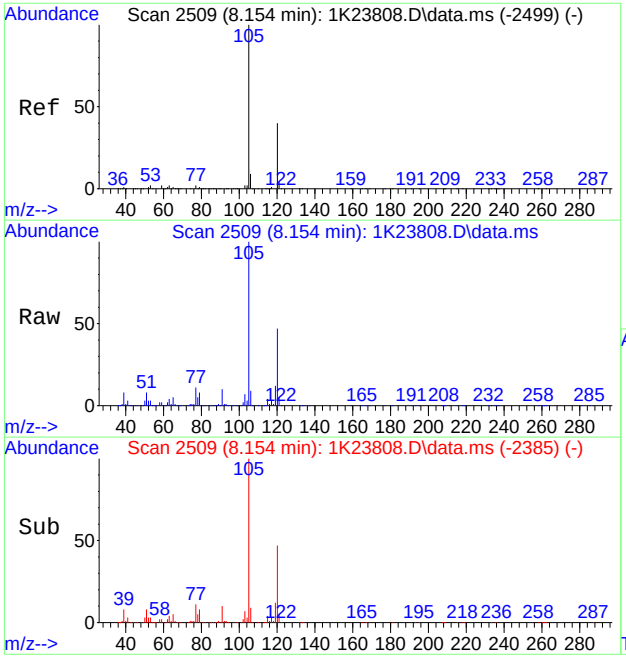


#106
tert-butylbenzene
Concen: 50.00 ug/L
RT: 8.119 min Scan# 2498
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion:119 Resp: 901269

Ion	Ratio	Lower	Upper
119	100		
91	66.3	36.3	96.3
134	26.2	0.0	56.2

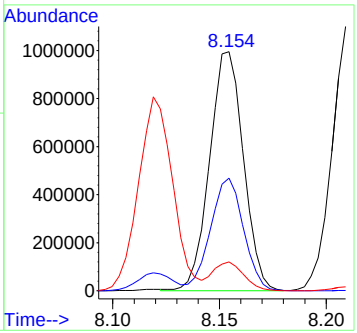


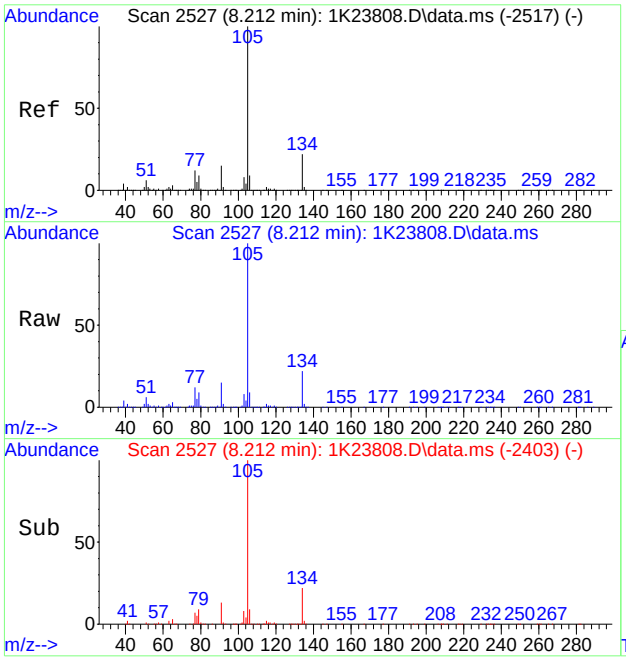


#107
1,2,4-trimethylbenzene
Concen: 50.00 ug/L
RT: 8.154 min Scan# 2509
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion:105 Resp: 1099579

Ion	Ratio	Lower	Upper
105	100		
120	47.1	17.1	77.1
119	12.1	0.0	42.1

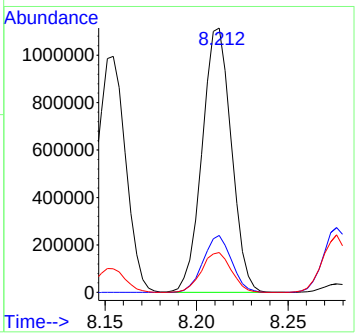


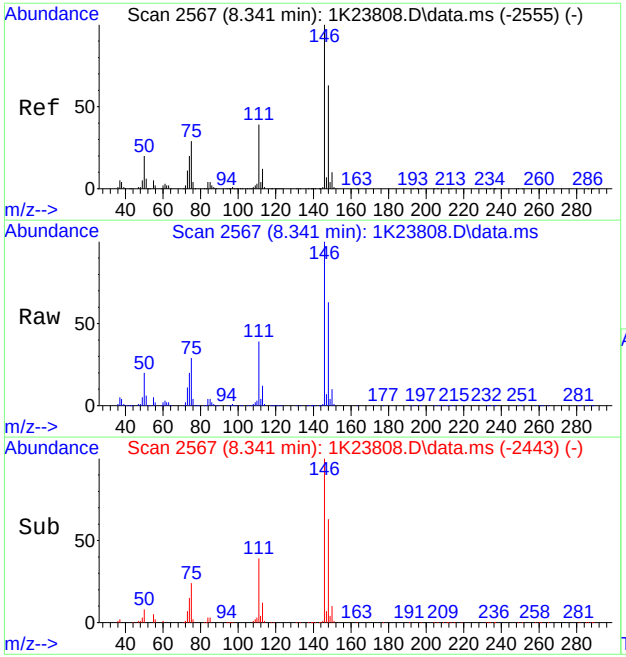


#108
sec-butylbenzene
Concen: 50.03 ug/L
RT: 8.212 min Scan# 2527
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion:105 Resp: 1241763

Ion	Ratio	Lower	Upper
105	100		
134	21.5	0.0	51.5
91	15.0	0.0	45.0

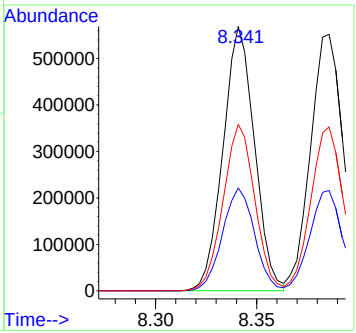


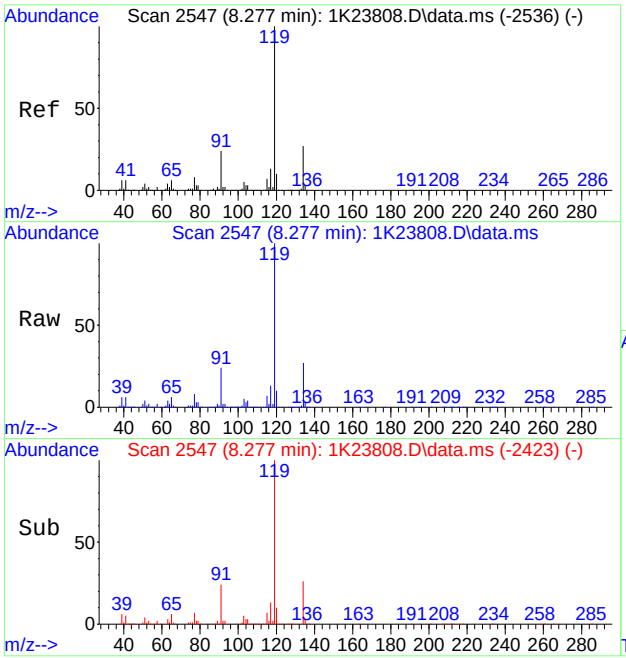


#109
1,3-dichlorobenzene
Concen: 50.00 ug/L
RT: 8.341 min Scan# 2567
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion:146 Resp: 616251

Ion	Ratio	Lower	Upper
146	100		
111	38.9	8.9	68.9
148	62.9	32.9	92.9

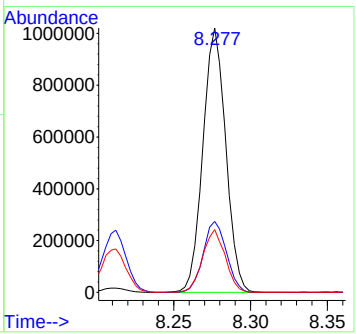


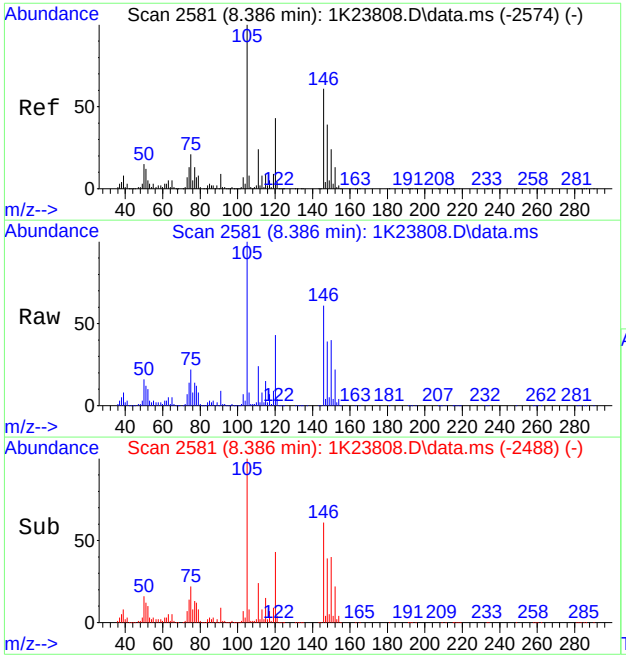


#110
p-isopropyltoluene
Concen: 50.00 ug/L
RT: 8.277 min Scan# 2547
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion:119 Resp: 1057682

Ion	Ratio	Lower	Upper
119	100		
134	26.8	0.0	56.8
91	23.8	0.0	53.8

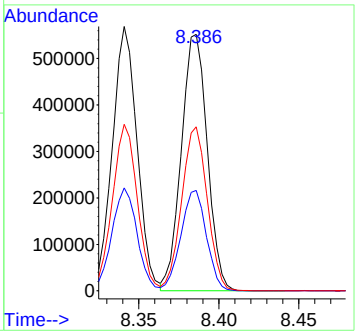


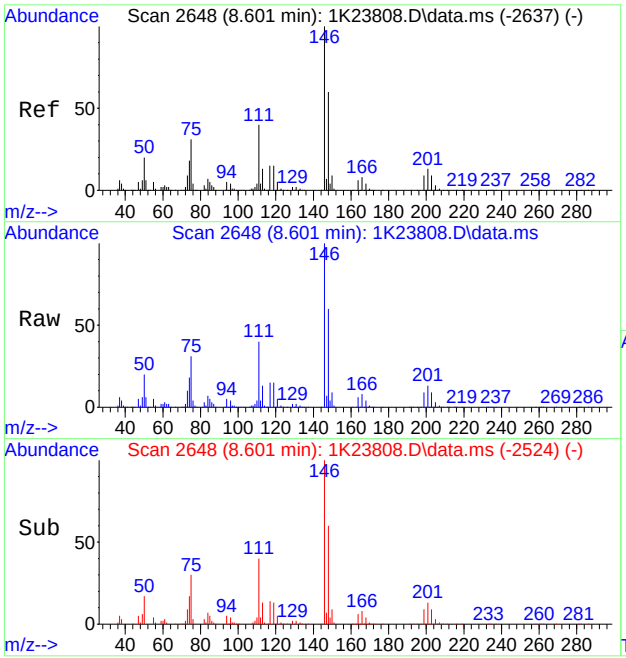


#111
1,4-dichlorobenzene
Concen: 50.00 ug/L
RT: 8.386 min Scan# 2581
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion:146 Resp: 621665

Ion	Ratio	Lower	Upper
146	100		
111	39.1	9.1	69.1
148	63.9	33.9	93.9

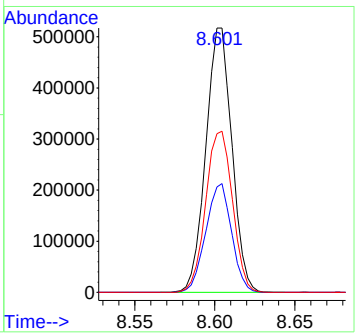


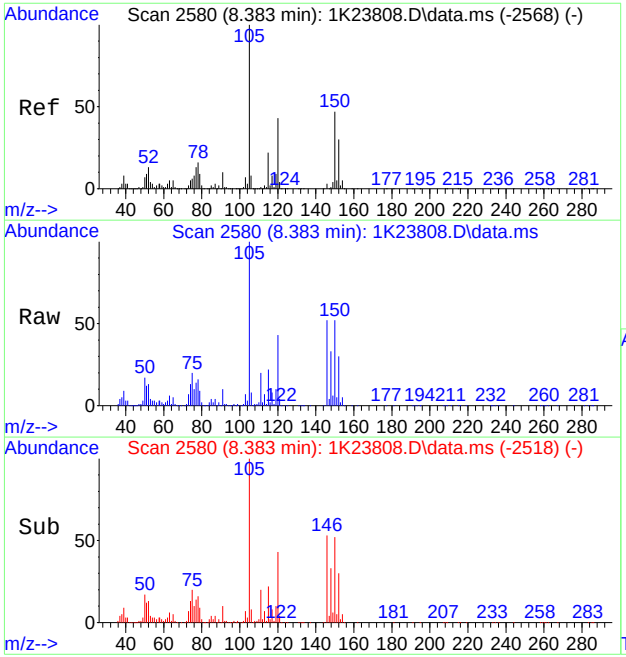


#112
1,2-dichlorobenzene
Concen: 50.00 ug/L
RT: 8.601 min Scan# 2648
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion:146 Resp: 586729

Ion	Ratio	Lower	Upper
146	100		
111	39.9	9.9	69.9
148	60.0	30.0	90.0

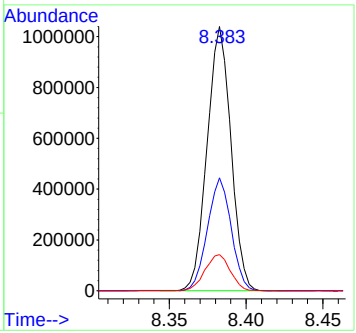


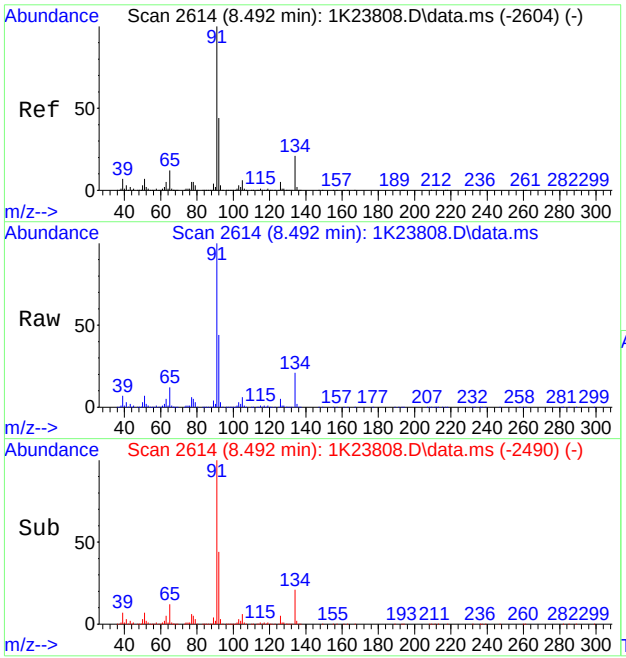


#113
1,2,3-trimethylbenzene
Concen: 50.00 ug/L
RT: 8.383 min Scan# 2580
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion:105 Resp: 1118822

Ion	Ratio	Lower	Upper
105	100		
120	42.7	12.7	72.7
77	13.6	0.0	43.6

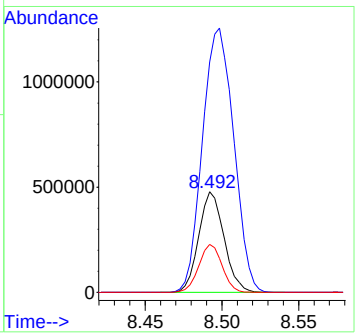


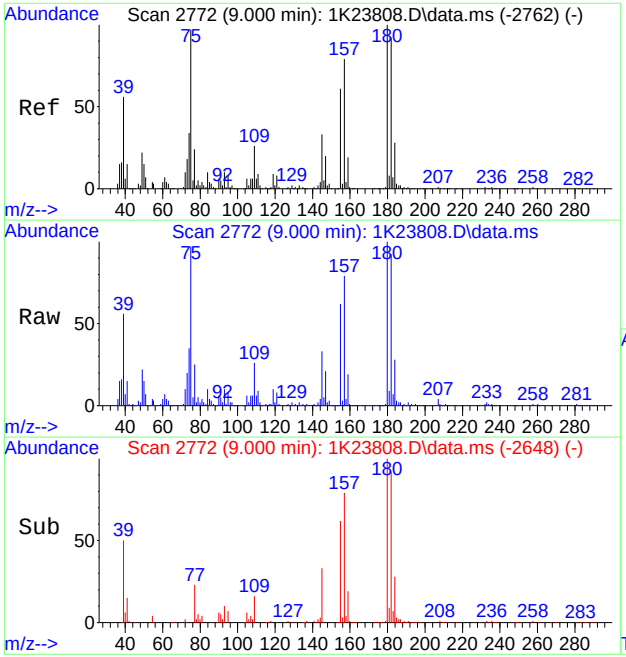


#114
n-butylbenzene
Concen: 50.00 ug/L
RT: 8.492 min Scan# 2614
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion: 92 Resp: 548012

Ion	Ratio	Lower	Upper
92	100		
91	229.3	199.3	259.3
134	47.7	17.7	77.7

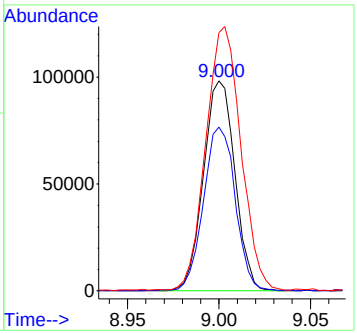


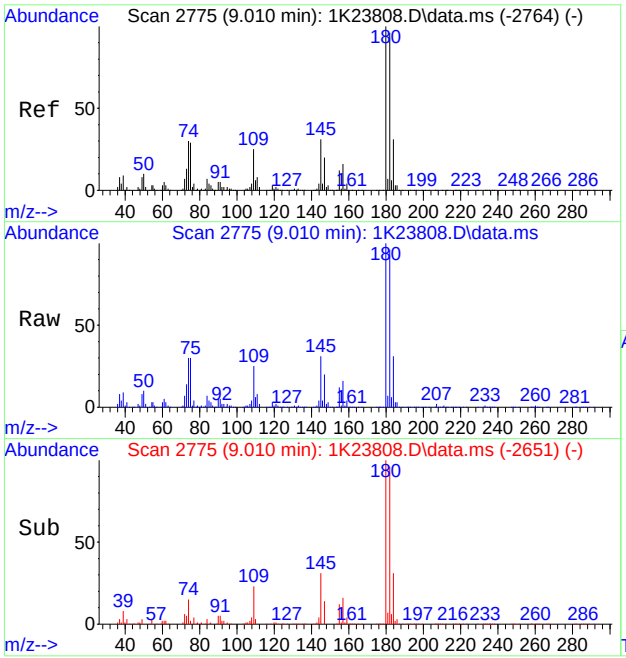


#115
1,2-dibromo-3-chloropropane
Concen: 50.00 ug/L
RT: 9.000 min Scan# 2772
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion:157 Resp: 118061

Ion	Ratio	Lower	Upper
157	100		
155	77.8	47.8	107.8
75	122.6	92.6	152.6

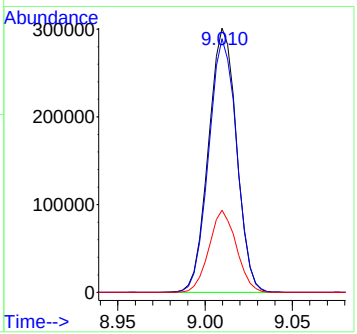


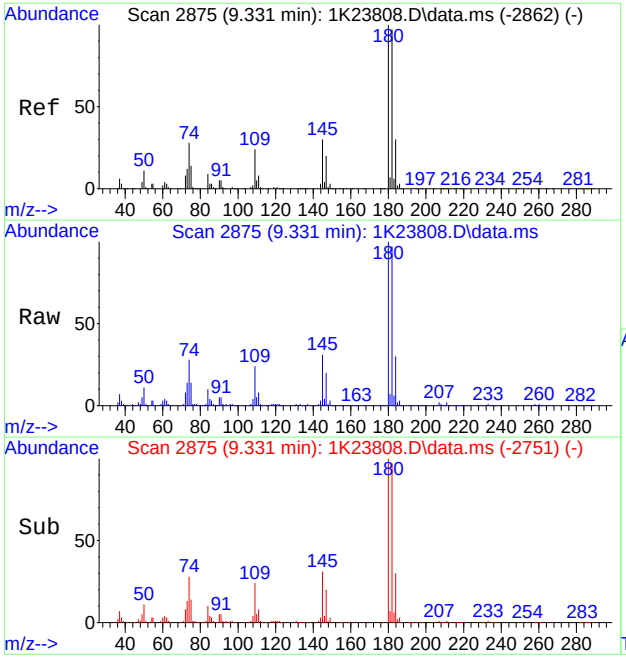


#116
1,3,5-trichlorobenzene
Concen: 50.00 ug/L
RT: 9.010 min Scan# 2775
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion:180 Resp: 336755

Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.0	116.0
184	31.0	11.0	51.0

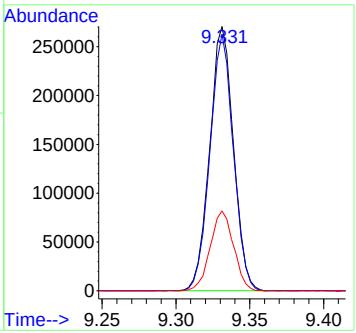


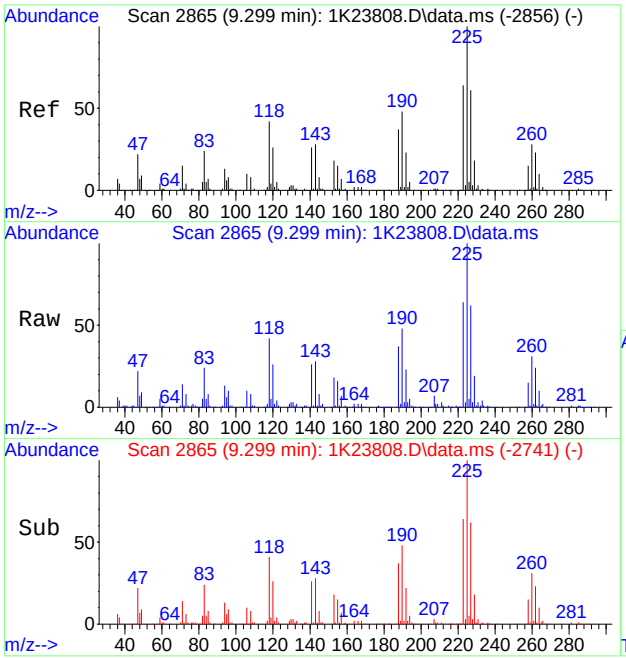


#117
1,2,4-trichlorobenzene
Concen: 50.00 ug/L
RT: 9.331 min Scan# 2875
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion:180 Resp: 302192

Ion	Ratio	Lower	Upper
180	100		
182	97.0	67.0	127.0
184	30.2	0.2	60.2

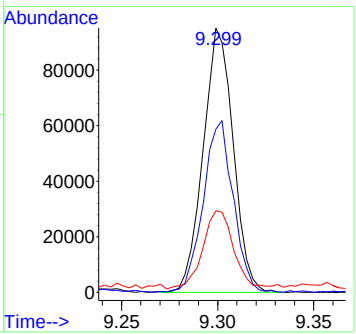


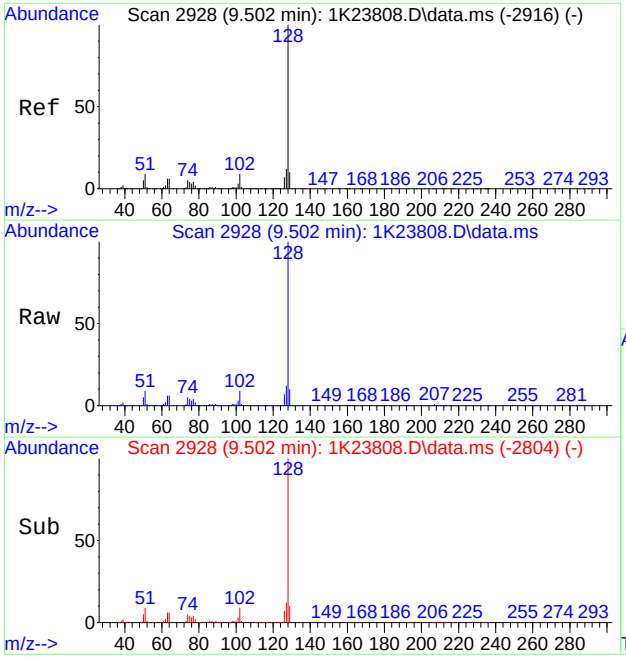


#118
hexachlorobutadiene
Concen: 50.00 ug/L
RT: 9.299 min Scan# 2865
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion:225 Resp: 103750

Ion	Ratio	Lower	Upper
225	100		
227	61.7	31.7	91.7
260	28.9	0.0	58.9

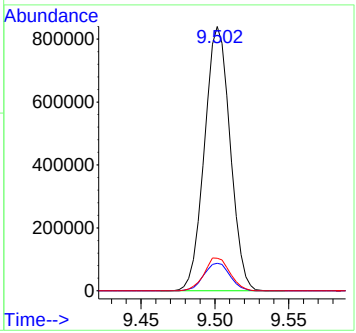


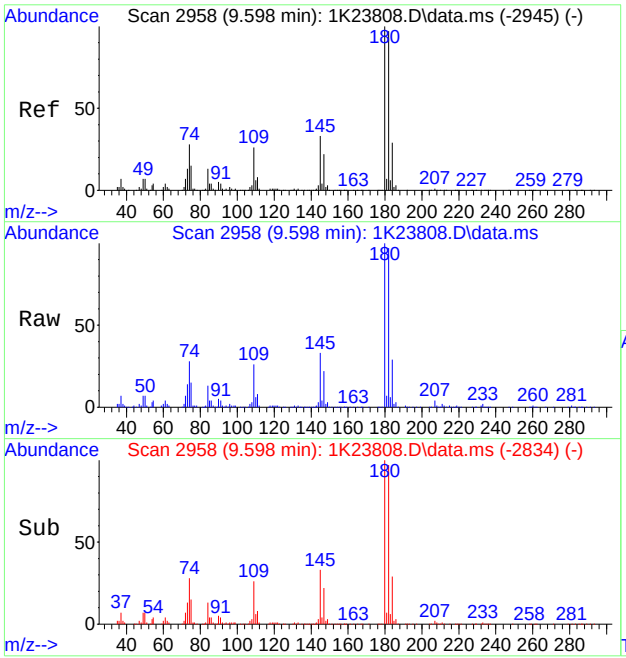


#119
naphthalene
Concen: 50.00 ug/L
RT: 9.502 min Scan# 2928
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion:128 Resp: 1010653

Ion	Ratio	Lower	Upper
128	100		
129	10.4	0.0	40.4
127	12.3	0.0	42.3

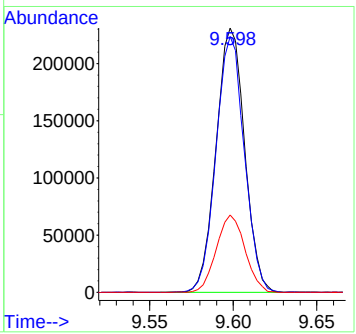


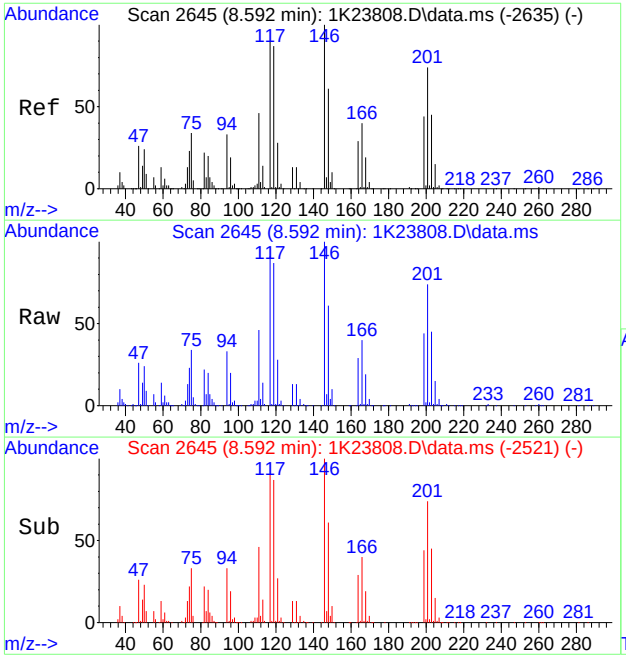


#120
1,2,3-trichlorobenzene
Concen: 50.00 ug/L
RT: 9.598 min Scan# 2958
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion:180 Resp: 274442

Ion	Ratio	Lower	Upper
180	100		
182	96.8	66.8	126.8
184	29.3	0.0	59.3

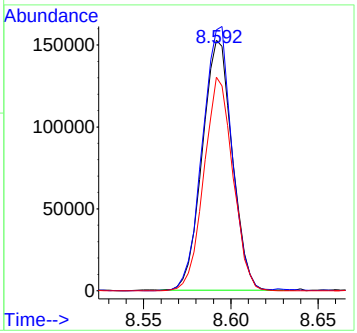


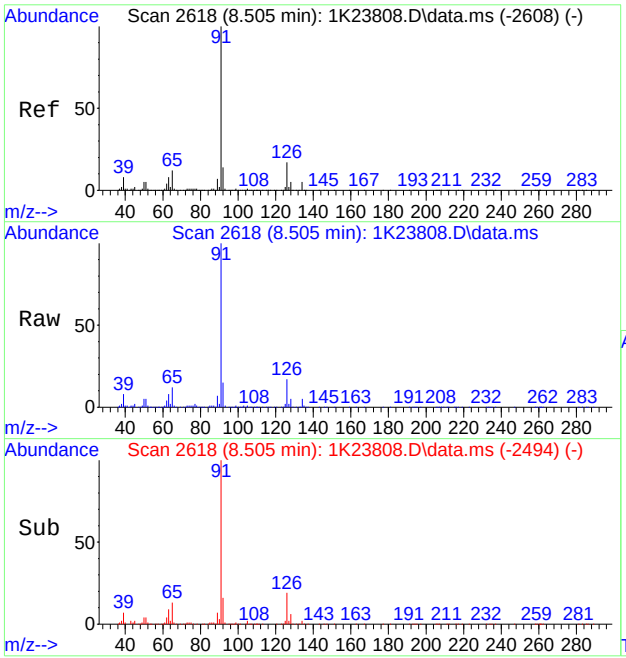


#121
hexachloroethane
Concen: 49.76 ug/L
RT: 8.592 min Scan# 2645
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion:119 Resp: 182246

Ion	Ratio	Lower	Upper
119	100		
117	104.2	74.2	134.2
201	85.5	55.5	115.5

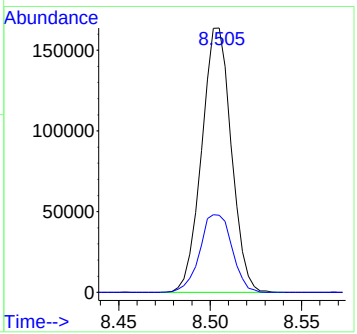


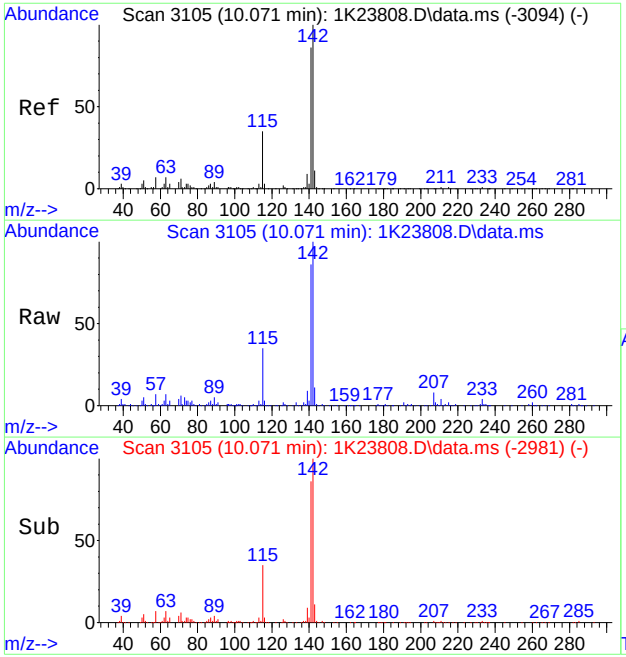


#122
benzyl chloride
Concen: 50.00 ug/L
RT: 8.505 min Scan# 2618
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion:126 Resp: 184777

Ion	Ratio	Lower	Upper
126	100		
128	29.1	0.0	59.1

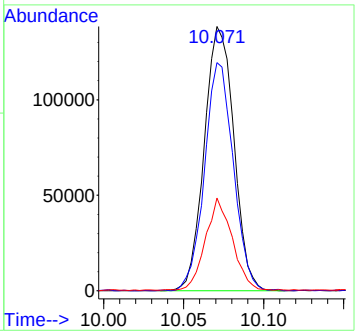




#123
2-methylnaphthalene
Concen: 25.00 ug/L
RT: 10.071 min Scan# 3105
Delta R.T. 0.000 min
Lab File: 1K23808.D
Acq: 6 Sep 2025 1:06 am

Tgt Ion:142 Resp: 178148

Ion	Ratio	Lower	Upper
142	100		
141	86.3	56.3	116.3
115	34.7	4.7	64.7



7.6.8

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 1K23810.D
Acq On : 6 Sep 2025 1:40 am
Operator : PrashanS
Sample : IC658-100
Misc : MS95614,V1K658,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 08 11:40:07 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 11:38:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	3.489	65	371869	500.00	ug/L	0.00
5) pentafluorobenzene	4.807	168	845995	50.00	ug/L	0.00
50) 1,4-difluorobenzene	5.171	114	1364116	50.00	ug/L	0.00
72) chlorobenzene-d5	7.109	117	1082518	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	8.376	152	504207	50.00	ug/L	0.00
124) pentafluorobenzene(a)	4.807	168	845995	50.00	ug/L	0.00
128) 1,4-dichlorobenzene-d4(a)	8.376	152	504207	50.00	ug/L	0.00
System Monitoring Compounds						
42) dibromofluoromethane (s)	4.524	113	363226	50.55	ug/L	0.00
Spiked Amount 50.000	Range 75 - 127		Recovery = 101.10%			
51) 1,2-dichloroethane-d4 (s)	4.878	65	483156	50.30	ug/L	0.00
Spiked Amount 50.000	Range 75 - 130		Recovery = 100.60%			
73) toluene-d8 (s)	6.122	98	1534369	50.89	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.78%			
97) 4-bromofluorobenzene (s)	7.791	95	544135	51.02	ug/L	0.00
Spiked Amount 50.000	Range 79 - 127		Recovery = 102.04%			
Target Compounds						Qvalue
2) ethanol	2.820	45	538114	10752.3327	ug/L	96
3) tertiary butyl alcohol	3.544	59	446691	473.7788	ug/L	95
4) 1,4-dioxane	5.679	88	98228	2739.6055	ug/L	91
6) chlorodifluoromethane	1.753	51	1134067	93.0931	ug/L	98
7) dichlorodifluoromethane	1.717	85	836823	95.3235	ug/L	98
8) chloromethane	1.897	50	941608	93.1304	ug/L	99
9) vinyl chloride	1.965	62	843787	102.6464	ug/L	99
10) 1,3-butadiene	1.981	39	800016	93.1199	ug/L	99
11) bromomethane	2.248	96	286832	123.8904	ug/L #	98
12) chloroethane	2.364	64	483738	103.5874	ug/L	99
13) trichlorofluoromethane	2.483	101	1155445	99.6583	ug/L	96
14) ethyl ether	2.721	74	389723	102.4586	ug/L	96
15) acrolein	3.145	56	190125	105.3996	ug/L	92
16) freon 113	2.920	151	495599	102.5334	ug/L	96
17) 1,1-dichloroethene	2.897	61	1075519	99.0597	ug/L	97
18) acetone	3.354	58	344331	423.9208	ug/L	97
19) acetonitrile	3.692	41	1157834	1091.3232	ug/L	97
20) iodomethane	3.023	142	657297	140.1274	ug/L	96
21) carbon disulfide	2.939	76	1802002	101.8055	ug/L	99
22) methylene chloride	3.335	84	601871	99.4306	ug/L	95
23) methyl acetate	3.438	74	148255	108.5239	ug/L	97
24) methyl tert butyl ether	3.505	73	2048870	102.1493	ug/L	95
25) trans-1,2-dichloroethene	3.447	96	626672	97.8441	ug/L	99
26) hexane	3.499	57	1599740	99.5048	ug/L	97
27) di-isopropyl ether	3.759	45	2744495	101.6035	ug/L	98
28) ethyl tert-butyl ether	4.007	59	2482517	104.1852	ug/L	100
29) 2-butanone	4.592	72	468429	460.4277	ug/L	91
30) 1,1-dichloroethane	3.875	63	1290354	101.5987	ug/L	99
31) chloroprene	3.859	53	1424700	101.8839	ug/L	98
32) acrylonitrile	3.904	52	354307	112.0033	ug/L	97
33) vinyl acetate	4.020	86	160846	103.3308	ug/L #	93
34) ethyl acetate	4.457	70	100663	112.4836	ug/L	87
35) 2,2-dichloropropane	4.312	77	999886	93.7360	ug/L	97
36) cis-1,2-dichloroethene	4.235	96	654315	100.7226	ug/L	94
37) propionitrile	4.798	54	1502053	1092.4854	ug/L	97
38) methyl acrylate	4.473	85	143699	118.8233	ug/L	97
39) bromochloromethane	4.370	128	288040	96.4718	ug/L	92
40) tetrahydrofuran	4.508	71	109433	97.5572	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 1K23810.D
Acq On : 6 Sep 2025 1:40 am
Operator : PrashanS
Sample : IC658-100
Misc : MS95614,V1K658,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 08 11:40:07 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 11:38:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) chloroform	4.402	83	1161375	93.6379 ug/L	99
43) methacrylonitrile	4.810	67	363966	95.3421 ug/L	99
44) 1,1,1-trichloroethane	4.556	97	1023472	97.5297 ug/L	99
45) cyclohexane	4.383	84	976179	108.1547 ug/L	97
46) 1,1-dichloropropene	4.630	75	942937	103.8049 ug/L	96
47) carbon tetrachloride	4.515	117	902525	91.1679 ug/L	99
49) tert-amyl alcohol	4.939	55	169730	545.9514 ug/L #	84
52) iso-octane	4.692	57	2468600	95.5581 ug/L	94
53) benzene	4.794	78	2631659	100.5257 ug/L	97
54) tert-amyl methyl ether	4.839	73	2143495	99.6714 ug/L	98
55) heptane	4.743	57	370807	94.1799 ug/L	98
56) isopropyl acetate	5.029	87	201608	105.4215 ug/L #	94
57) 1,2-dichloroethane	4.923	62	968486	89.1466 ug/L	98
58) n-butyl alcohol	5.312	56	1050659	6156.0148 ug/L	97
59) ethyl acrylate	5.473	55	1322993	101.3910 ug/L	99
60) trichloroethene	5.164	130	670688	102.5259 ug/L	98
61) 2-nitropropane	6.309	41	293880	90.2258 ug/L	94
62) 2-chloroethyl vinyl ether	5.923	63	2464932	533.3776 ug/L	99
63) methyl methacrylate	5.618	100	239362	105.7677 ug/L	97
64) 1,2-dichloropropane	5.515	63	722579	98.7887 ug/L	99
65) methylcyclohexane	5.167	98	464395	97.1157 ug/L	98
66) dibromomethane	5.447	93	381007	95.9341 ug/L	97
67) bromodichloromethane	5.544	83	861705	95.9725 ug/L	97
68) epichlorohydrin	6.154	57	532780	495.2595 ug/L	99
69) cis-1,3-dichloropropene	5.990	75	1112881	102.7573 ug/L	95
70) 4-methyl-2-pentanone	6.383	58	1645648	391.2089 ug/L	100
71) 3-methyl-1-butanol	6.219	70	415248	2279.0019 ug/L	97
74) toluene	6.154	92	1606432	98.6570 ug/L	98
75) ethyl methacrylate	6.492	69	984482	104.1511 ug/L	95
76) trans-1,3-dichloropropene	6.418	75	1073881	102.4346 ug/L	99
77) 1,1,2-trichloroethane	6.531	83	481418	105.9412 ug/L	96
78) tetrachloroethene	6.421	166	622453	98.3331 ug/L	100
79) 2-hexanone	6.907	58	1698547	395.1183 ug/L	96
80) 1,3-dichloropropane	6.711	76	1066524	104.3097 ug/L	99
81) butyl acetate	6.833	56	682333	97.6545 ug/L	99
82) dibromochloromethane	6.653	129	649773	100.3473 ug/L	99
83) 1,2-dibromoethane	6.814	107	603963	104.8892 ug/L	98
84) n-butyl ether	7.013	57	3490857	102.4831 ug/L	99
85) chlorobenzene	7.119	112	1663286	98.6233 ug/L	98
86) 1,1,1,2-tetrachloroethane	7.151	131	621373	100.5128 ug/L	99
87) ethylbenzene	7.122	91	3027786	97.6007 ug/L	100
88) m,p-xylene	7.203	106	2304221	198.5588 ug/L	98
89) o-xylene	7.453	106	1115625	100.6901 ug/L	99
90) styrene	7.482	104	1924862	103.4696 ug/L	100
91) bromoform	7.515	173	480253	104.9113 ug/L	97
92) butyl acrylate	7.521	55	1838755	101.8745 ug/L	98
93) isopropylbenzene	7.624	105	2797331	102.2258 ug/L	98
94) n-amyl acetate	7.662	70	593782	99.8832 ug/L #	87
95) cis-1,4-dichloro-2-butene	7.814	88	424933	101.6189 ug/L	98
98) bromobenzene	7.855	156	674820	100.7166 ug/L	99
99) 1,1,2,2-tetrachloroethane	7.884	83	831787	99.4259 ug/L	97
100) trans-1,4-dichloro-2-b...	7.978	53	367394	97.2656 ug/L	98
101) 1,2,3-trichloropropane	7.968	110	278082	99.2723 ug/L	99
102) n-propylbenzene	7.849	91	3251798	105.8256 ug/L	99
103) 2-chlorotoluene	7.945	126	637274	100.8462 ug/L	95
104) 4-chlorotoluene	8.032	91	2086399	102.8770 ug/L	99
105) 1,3,5-trimethylbenzene	7.945	105	2226087	105.8757 ug/L	99
106) tert-butylbenzene	8.119	119	1848241	101.6202 ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 1K23810.D
Acq On : 6 Sep 2025 1:40 am
Operator : PrashanS
Sample : IC658-100
Misc : MS95614,V1K658,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 08 11:40:07 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 11:38:48 2025
Response via : Initial Calibration

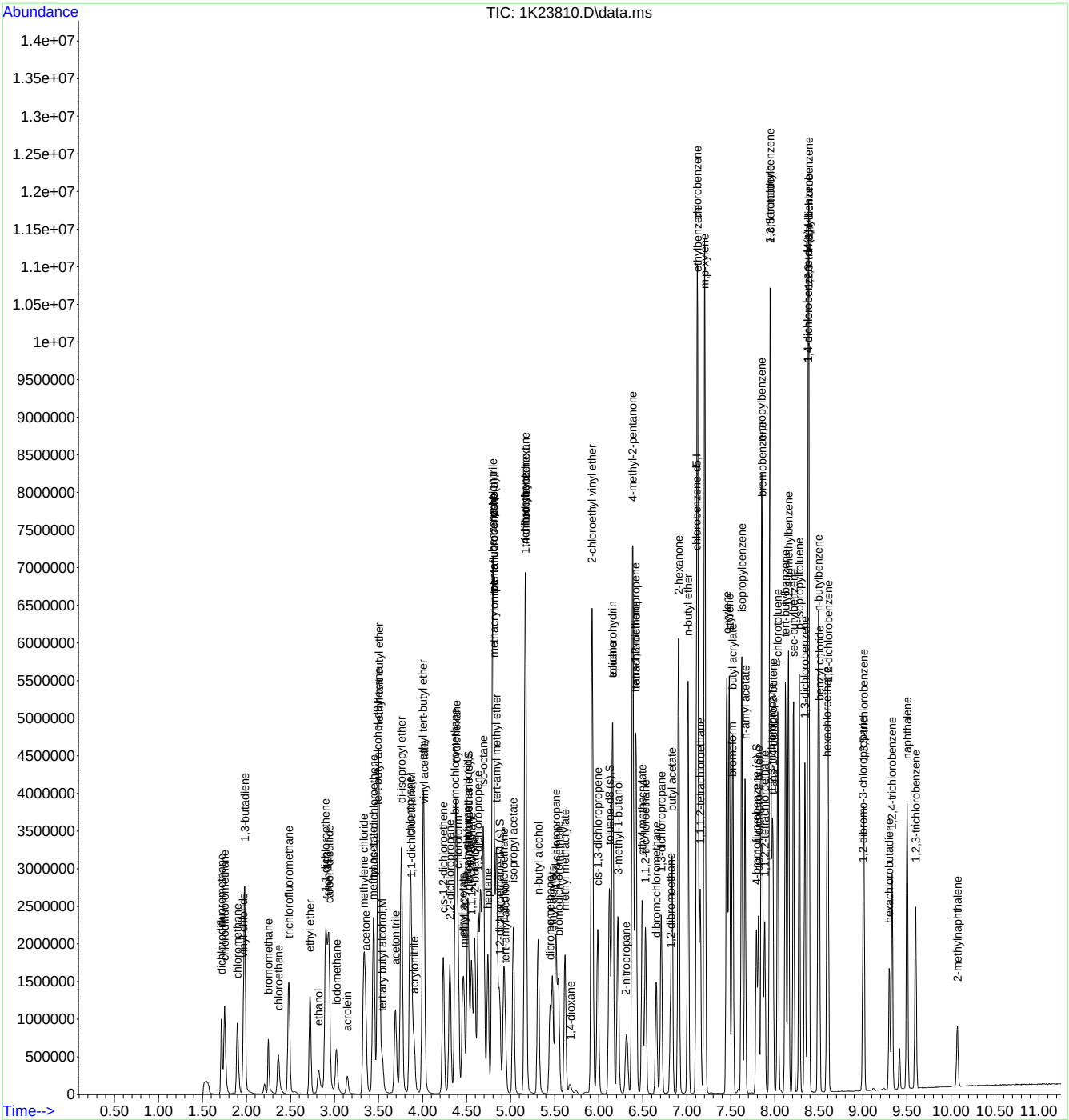
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
107) 1,2,4-trimethylbenzene	8.154	105	2261551	103.4167 ug/L	98
108) sec-butylbenzene	8.212	105	2524700	104.3261 ug/L	99
109) 1,3-dichlorobenzene	8.341	146	1253119	102.8641 ug/L	97
110) p-isopropyltoluene	8.277	119	2166582	102.9263 ug/L	99
111) 1,4-dichlorobenzene	8.386	146	1257977	99.0803 ug/L	99
112) 1,2-dichlorobenzene	8.605	146	1190424	102.1616 ug/L	96
113) 1,2,3-trimethylbenzene	8.383	105	2291250	101.3450 ug/L	99
114) n-butylbenzene	8.492	92	1127918	99.9607 ug/L	98
115) 1,2-dibromo-3-chloropr...	9.000	157	240073	102.1498 ug/L	96
116) 1,3,5-trichlorobenzene	9.010	180	701086	101.2410 ug/L	98
117) 1,2,4-trichlorobenzene	9.331	180	620360	100.4718 ug/L	99
118) hexachlorobutadiene	9.299	225	212127	96.7963 ug/L	98
119) naphthalene	9.502	128	2103851	105.3665 ug/L	100
120) 1,2,3-trichlorobenzene	9.598	180	564310	104.3749 ug/L	100
121) hexachloroethane	8.592	119	374532	97.1956 ug/L	97
122) benzyl chloride	8.505	126	368608	99.3970 ug/L	94
123) 2-methylnaphthalene	10.074	142	314794	39.5122 ug/L	97

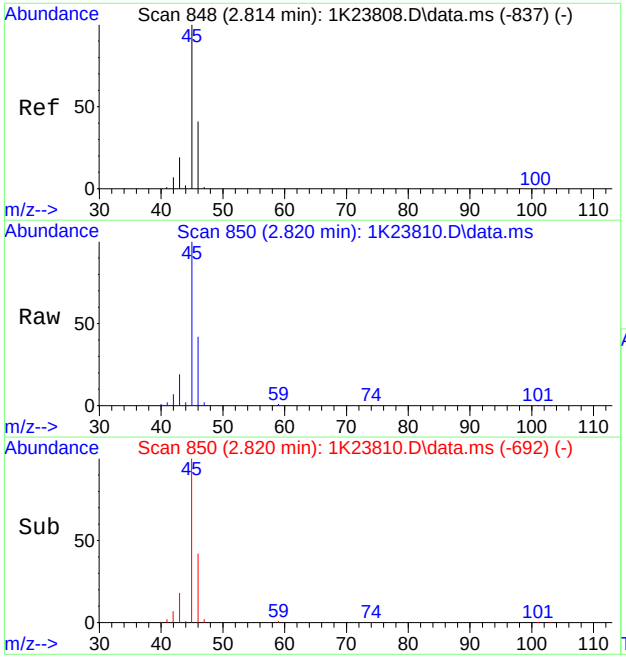
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 1K23810.D
Acq On : 6 Sep 2025 1:40 am
Operator : PrashanS
Sample : IC658-100
Misc : MS95614,V1K658,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 08 11:40:07 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 11:38:48 2025
Response via : Initial Calibration

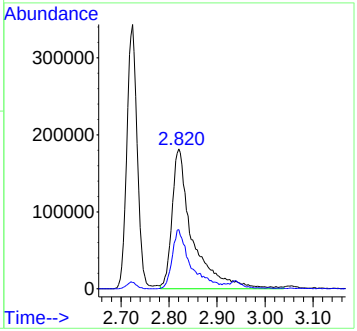


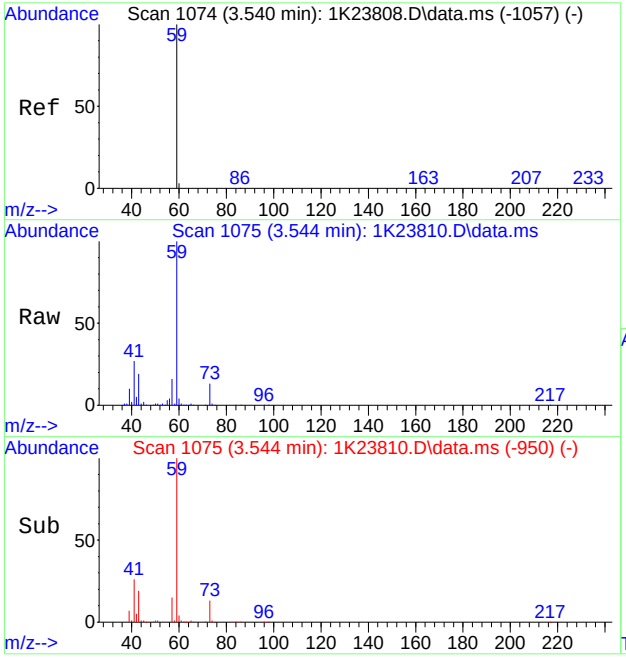


#2
ethanol
Concen: 10752.33 ug/L
RT: 2.820 min Scan# 850
Delta R.T. 0.006 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 45 Resp: 538114

Ion	Ratio	Lower	Upper
45	100		
46	42.5	20.3	60.3

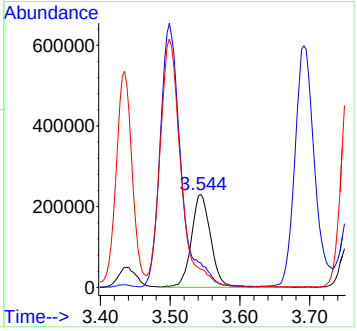


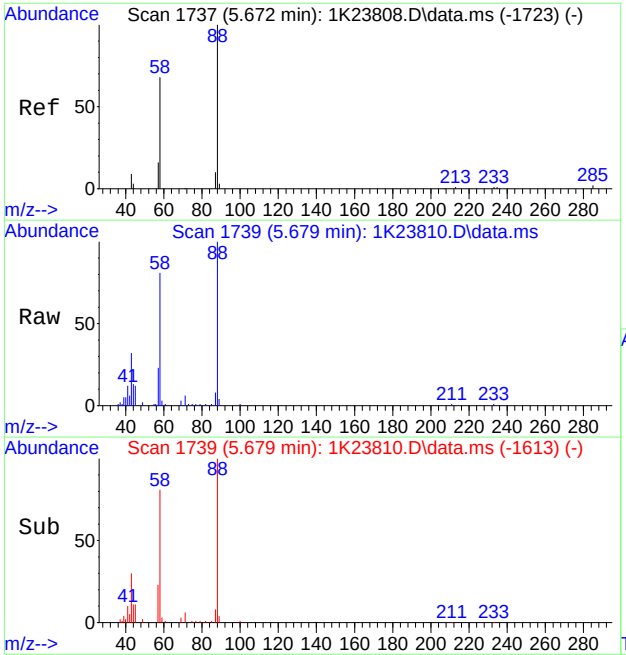


#3
tertiary butyl alcohol
Concen: 473.78 ug/L
RT: 3.544 min Scan# 1075
Delta R.T. 0.003 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 59 Resp: 446691

Ion	Ratio	Lower	Upper
59	100		
41	14.4	0.0	46.0
43	18.6	0.0	51.1

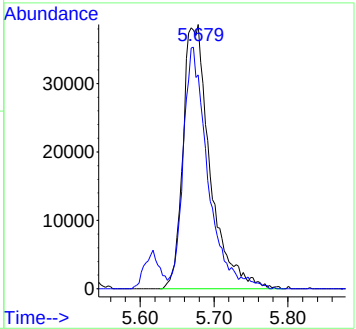


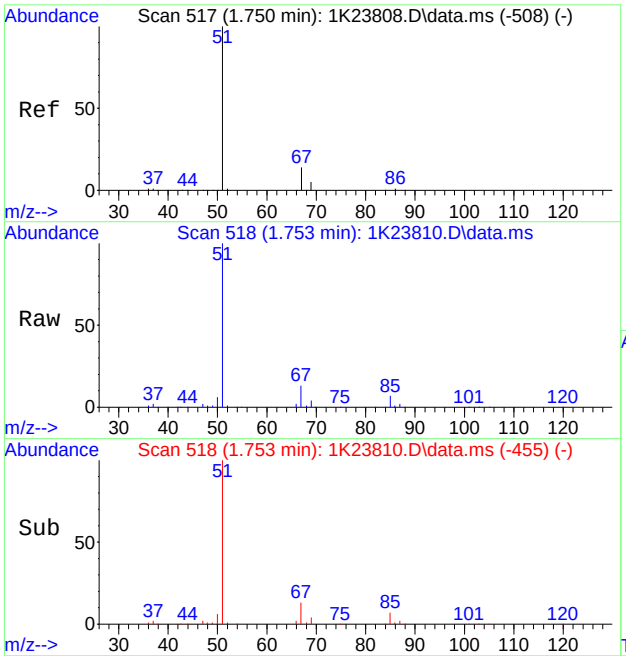


#4
1,4-dioxane
Concen: 2739.61 ug/L
RT: 5.679 min Scan# 1739
Delta R.T. 0.006 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 88 Resp: 98228

Ion	Ratio	Lower	Upper
88	100		
58	80.9	53.2	93.2

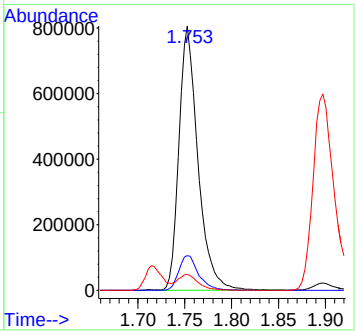


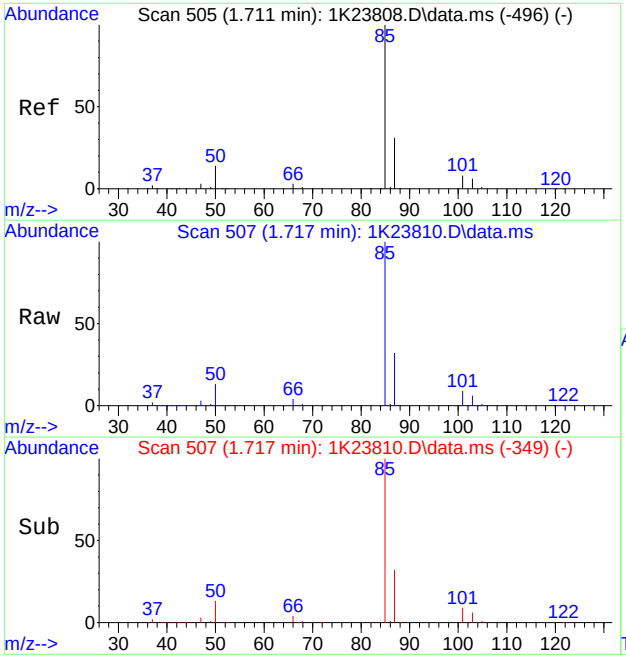


#6
chlorodifluoromethane
Concen: 93.09 ug/L
RT: 1.753 min Scan# 518
Delta R.T. 0.003 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 51 Resp: 1134067

Ion	Ratio	Lower	Upper
51	100		
67	13.2	0.0	44.3
50	6.1	0.0	36.5

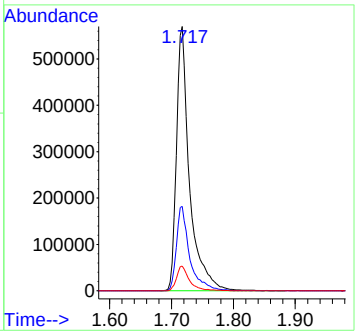


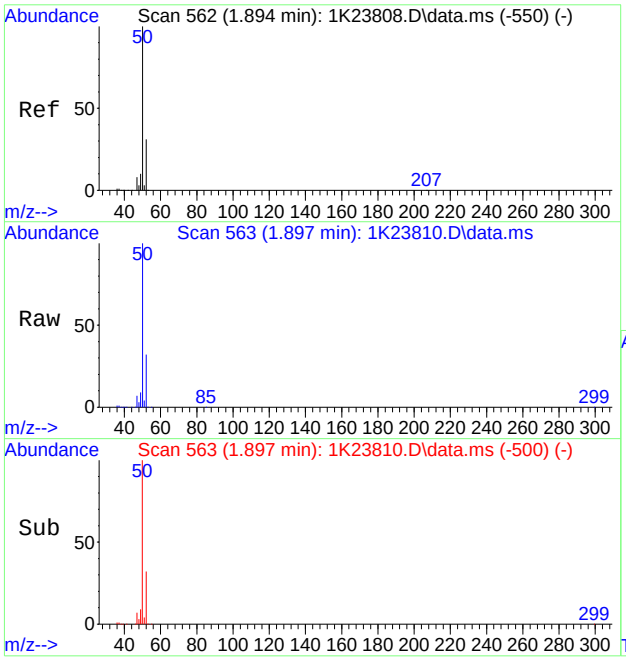


#7
dichlorodifluoromethane
Concen: 95.32 ug/L
RT: 1.717 min Scan# 507
Delta R.T. 0.006 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 85 Resp: 836823

Ion	Ratio	Lower	Upper
85	100		
87	32.0	0.7	60.7
101	9.3	0.0	38.3

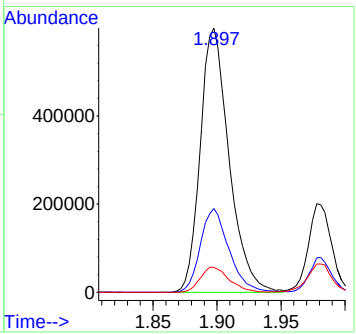


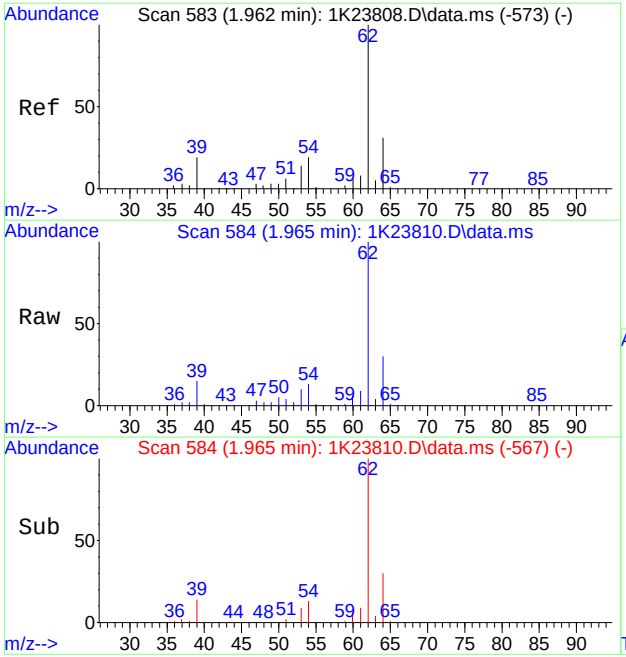


#8
chloromethane
Concen: 93.13 ug/L
RT: 1.897 min Scan# 563
Delta R.T. 0.003 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 50 Resp: 941608

Ion	Ratio	Lower	Upper
50	100		
52	31.7	1.4	61.4
49	9.4	0.0	40.1

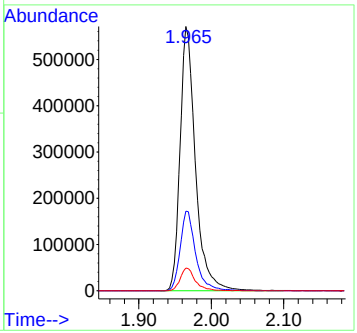


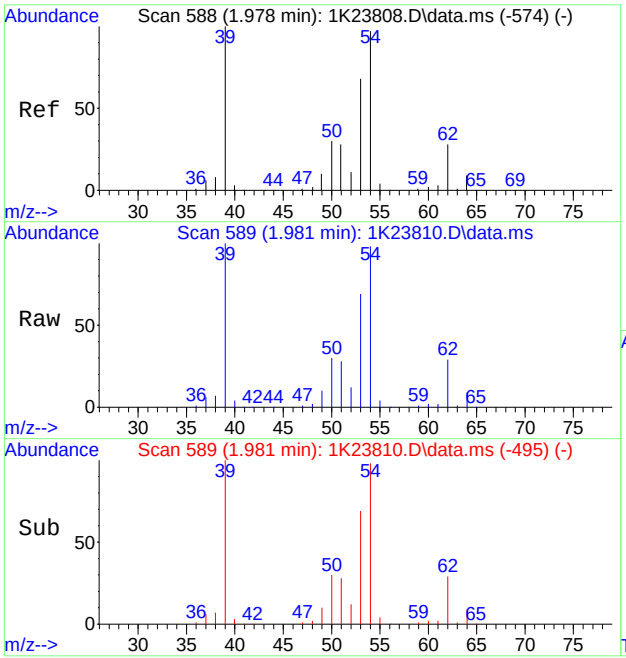


#9
vinyl chloride
Concen: 102.65 ug/L
RT: 1.965 min Scan# 584
Delta R.T. 0.003 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 62 Resp: 843787

Ion	Ratio	Lower	Upper
62	100		
64	30.1	0.6	60.6
61	8.7	0.0	38.4

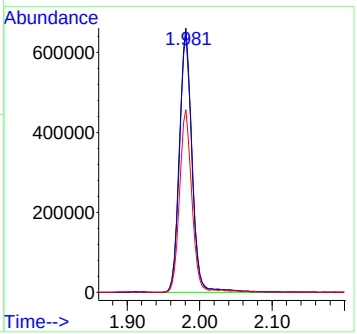


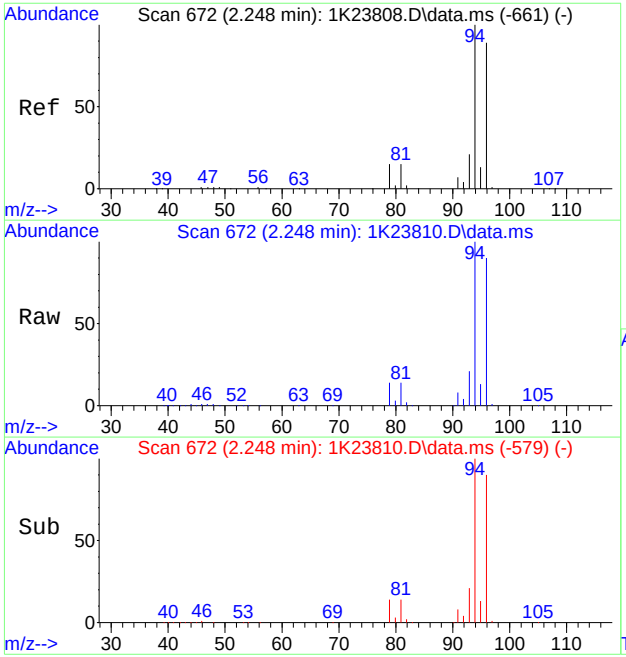


#10
1,3-butadiene
Concen: 93.12 ug/L
RT: 1.981 min Scan# 589
Delta R.T. 0.003 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 39 Resp: 800016

Ion	Ratio	Lower	Upper
39	100		
54	97.8	67.0	127.0
53	69.1	38.5	98.5

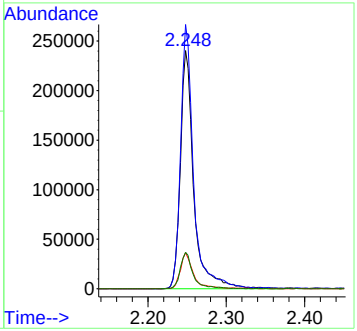


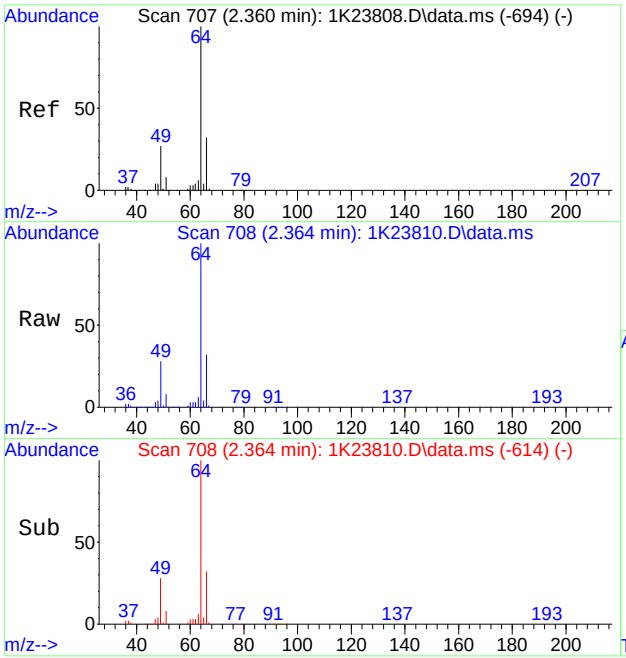


#11
bromomethane
Concen: 123.89 ug/L
RT: 2.248 min Scan# 672
Delta R.T. 0.000 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 96 Resp: 286832

Ion	Ratio	Lower	Upper
96	100		
94	111.1	82.9	142.9
79	15.3	17.4	17.4#
81	15.3	0.0	36.4

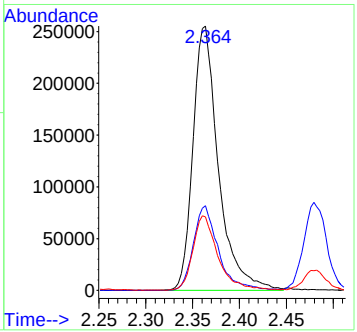


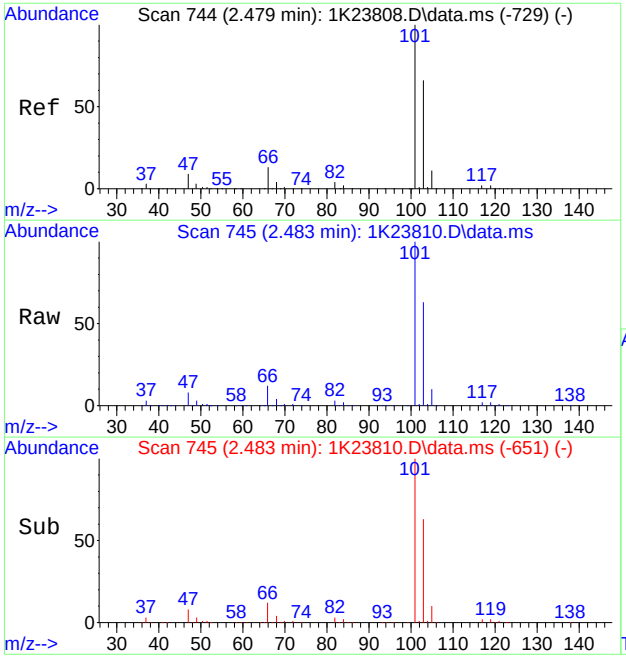


#12
chloroethane
Concen: 103.59 ug/L
RT: 2.364 min Scan# 708
Delta R.T. 0.003 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 64 Resp: 483738

Ion	Ratio	Lower	Upper
64	100		
66	32.0	1.6	61.6
49	27.7	0.0	57.3

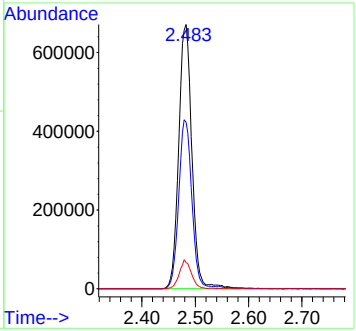


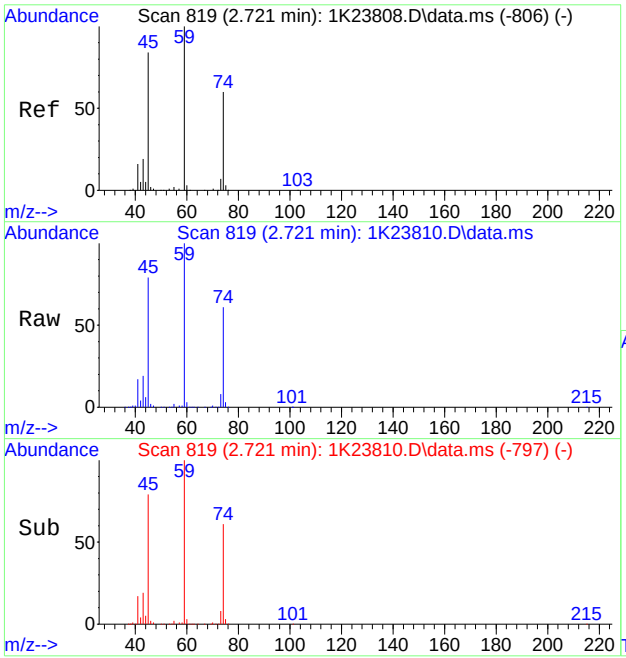


#13
trichlorofluoromethane
Concen: 99.66 ug/L
RT: 2.483 min Scan# 745
Delta R.T. 0.003 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion:101 Resp: 1155445

Ion	Ratio	Lower	Upper
101	100		
103	62.9	35.9	95.9
105	9.9	0.0	40.9

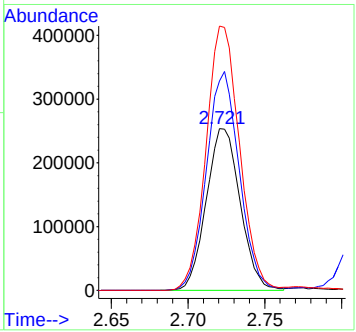


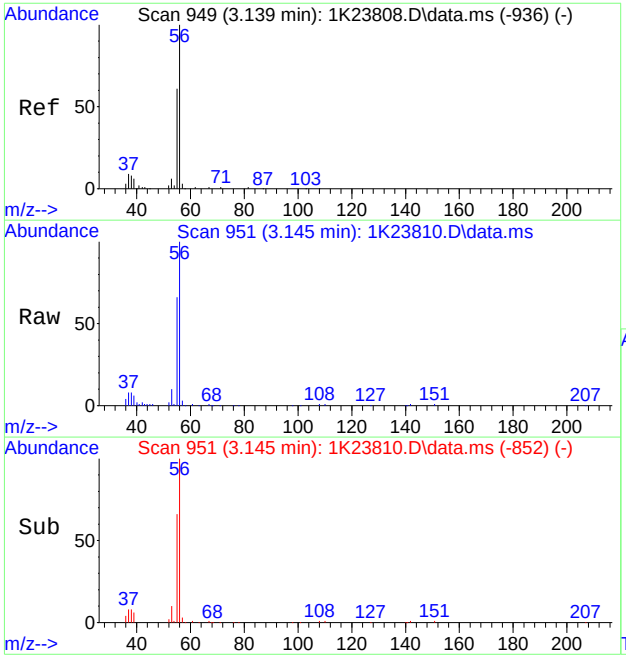


#14
ethyl ether
Concen: 102.46 ug/L
RT: 2.721 min Scan# 819
Delta R.T. 0.000 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 74 Resp: 389723

Ion	Ratio	Lower	Upper
74	100		
45	129.5	108.3	168.3
59	163.5	135.3	195.3

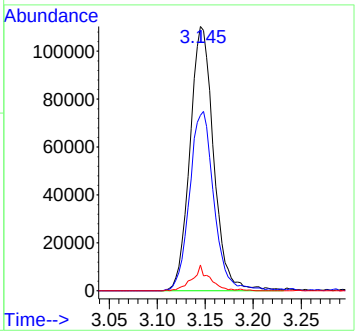


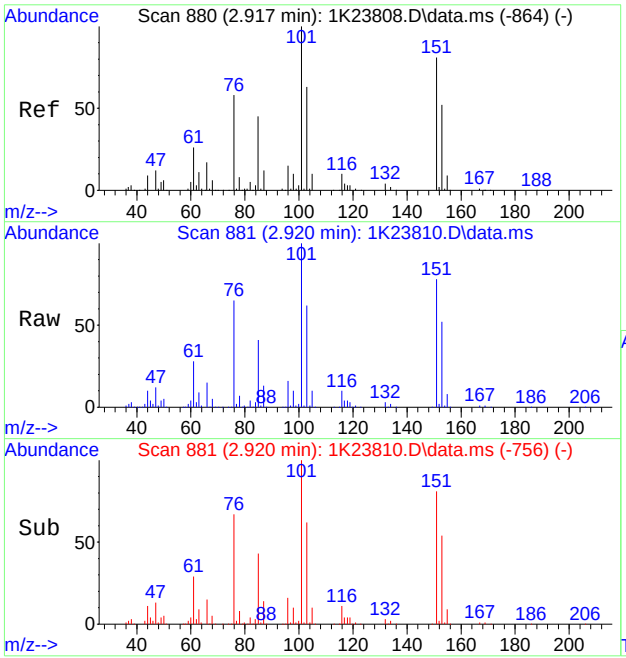


#15
acrolein
Concen: 105.40 ug/L
RT: 3.145 min Scan# 951
Delta R.T. 0.006 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 56 Resp: 190125

Ion	Ratio	Lower	Upper
56	100		
55	66.4	30.8	90.8
53	9.8	0.0	35.9

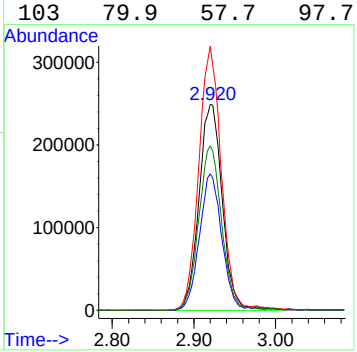


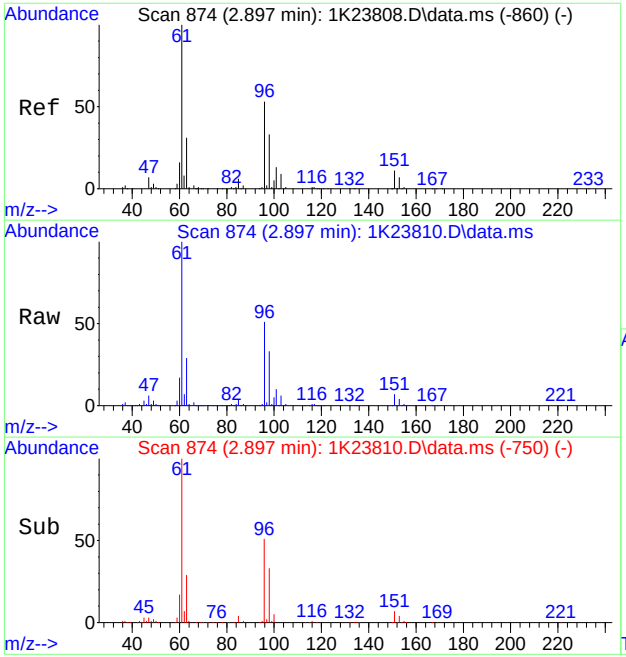


#16
freon 113
Concen: 102.53 ug/L
RT: 2.920 min Scan# 881
Delta R.T. 0.003 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion:151 Resp: 495599

Ion	Ratio	Lower	Upper
151	100		
153	66.3	44.4	84.4
101	128.3	102.8	142.8
103	79.9	57.7	97.7

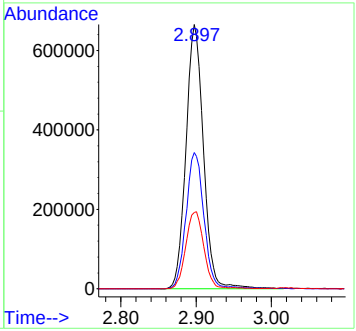


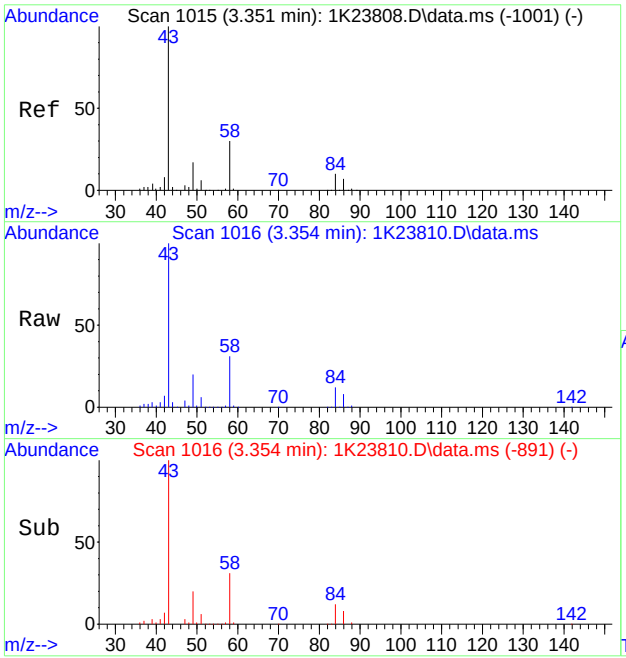


#17
1,1-dichloroethene
Concen: 99.06 ug/L
RT: 2.897 min Scan# 874
Delta R.T. 0.000 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 61 Resp: 1075519

Ion	Ratio	Lower	Upper
61	100		
96	51.5	23.2	83.2
63	28.9	1.0	61.0

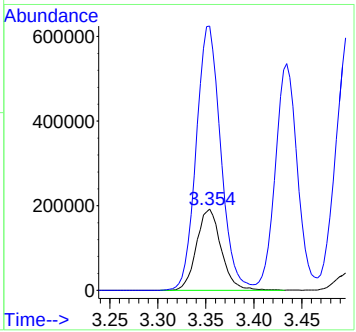


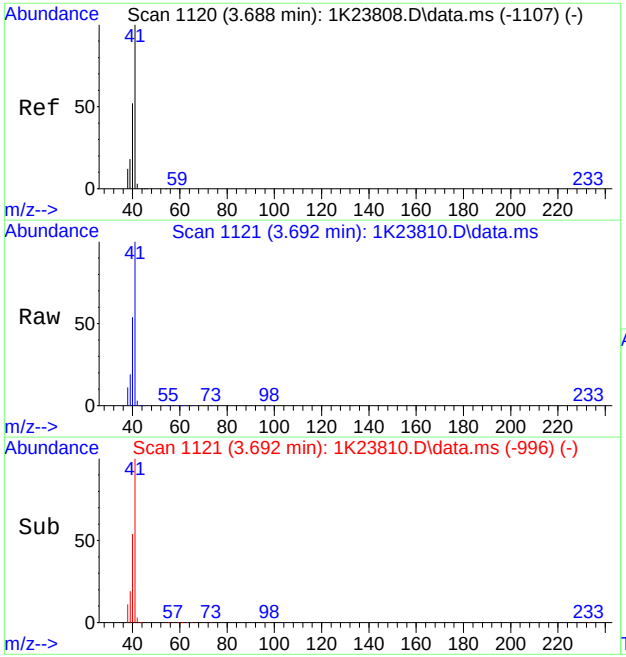


#18
acetone
Concen: 423.92 ug/L
RT: 3.354 min Scan# 1016
Delta R.T. 0.003 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 58 Resp: 344331

Ion	Ratio	Lower	Upper
58	100		
43	324.4	300.4	360.4

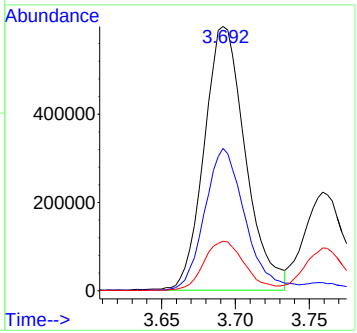


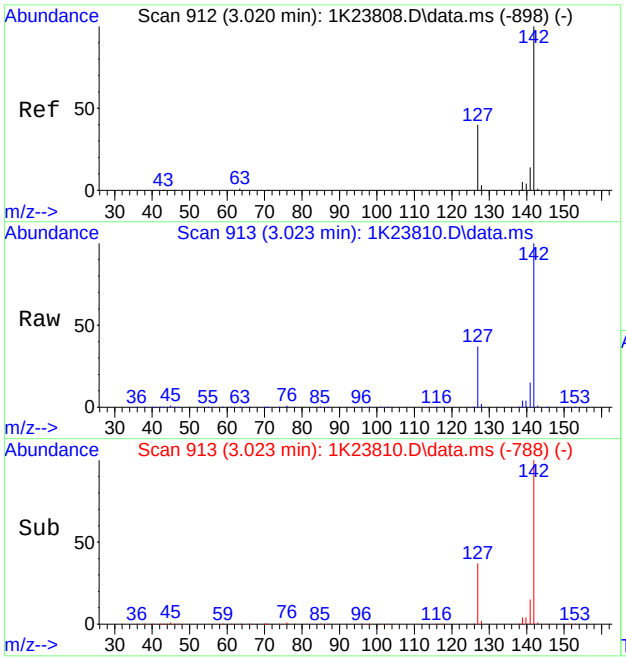


#19
acetonitrile
Concen: 1091.32 ug/L
RT: 3.692 min Scan# 1121
Delta R.T. 0.003 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 41 Resp: 1157834

Ion	Ratio	Lower	Upper
41	100		
40	53.9	21.7	81.7
39	18.7	0.0	47.9

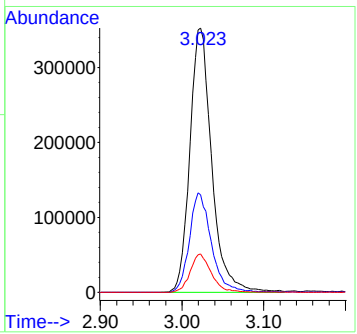


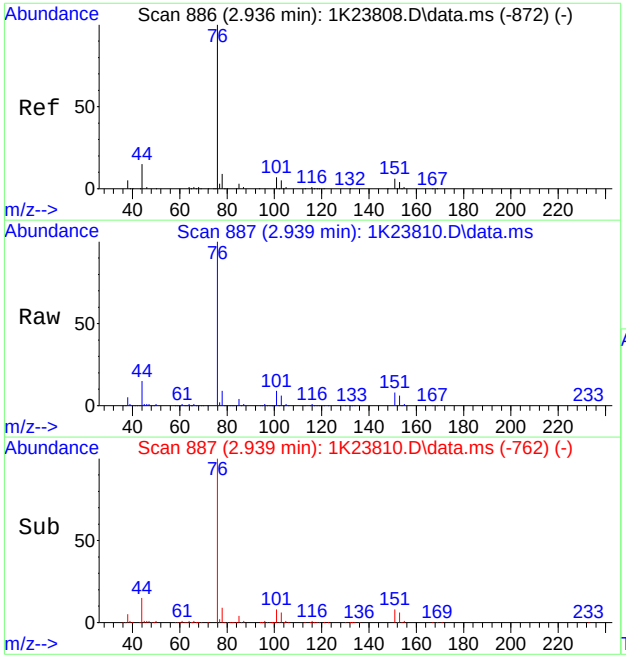


#20
iodomethane
Concen: 140.13 ug/L
RT: 3.023 min Scan# 913
Delta R.T. 0.003 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion:142 Resp: 657297

Ion	Ratio	Lower	Upper
142	100		
127	36.9	9.9	69.9
141	14.6	0.0	44.3

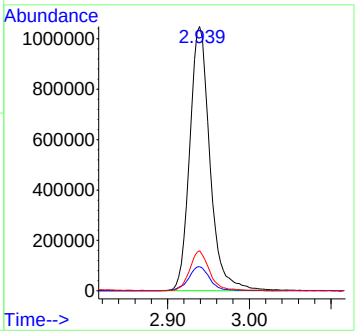


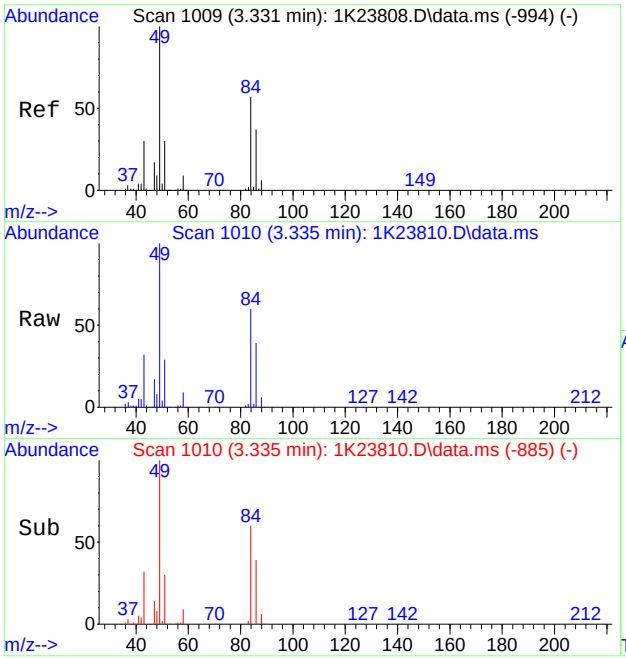


#21
carbon disulfide
Concen: 101.81 ug/L
RT: 2.939 min Scan# 887
Delta R.T. 0.003 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 76 Resp: 1802002

Ion	Ratio	Lower	Upper
76	100		
78	9.2	0.0	39.5
44	15.1	0.0	44.8

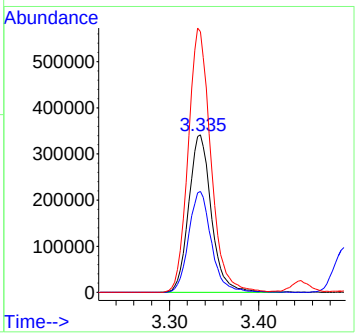


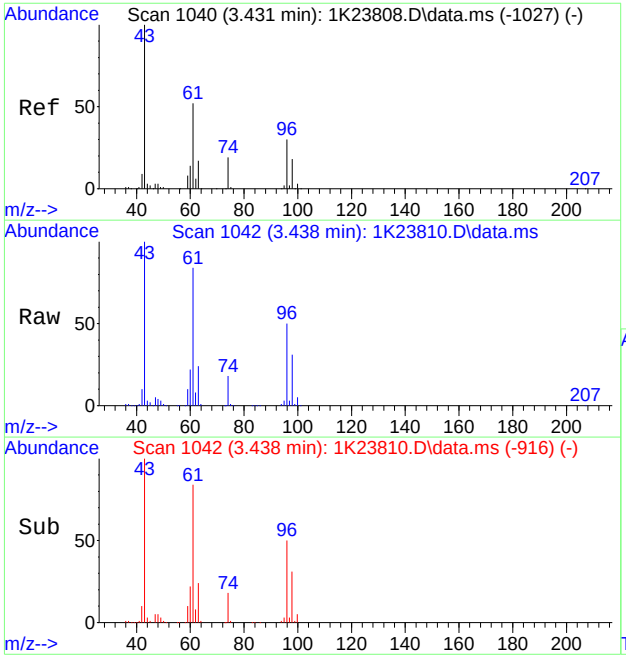


#22
methylene chloride
Concen: 99.43 ug/L
RT: 3.335 min Scan# 1010
Delta R.T. 0.003 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 84 Resp: 601871

Ion	Ratio	Lower	Upper
84	100		
86	64.2	35.3	95.3
49	165.5	144.8	204.8

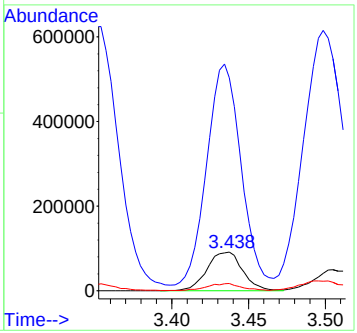


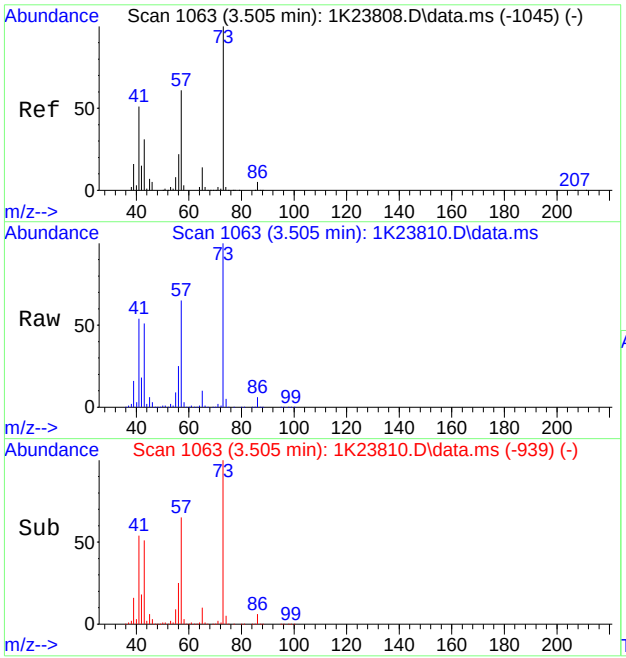


#23
methyl acetate
Concen: 108.52 ug/L
RT: 3.438 min Scan# 1042
Delta R.T. 0.006 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 74 Resp: 148255

Ion	Ratio	Lower	Upper
74	100		
43	530.4	491.2	551.2
44	17.9	0.0	44.3

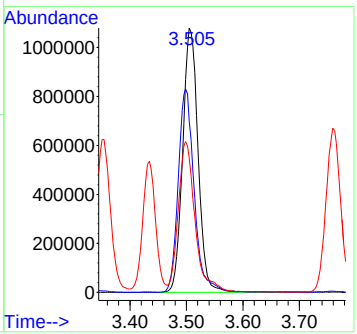


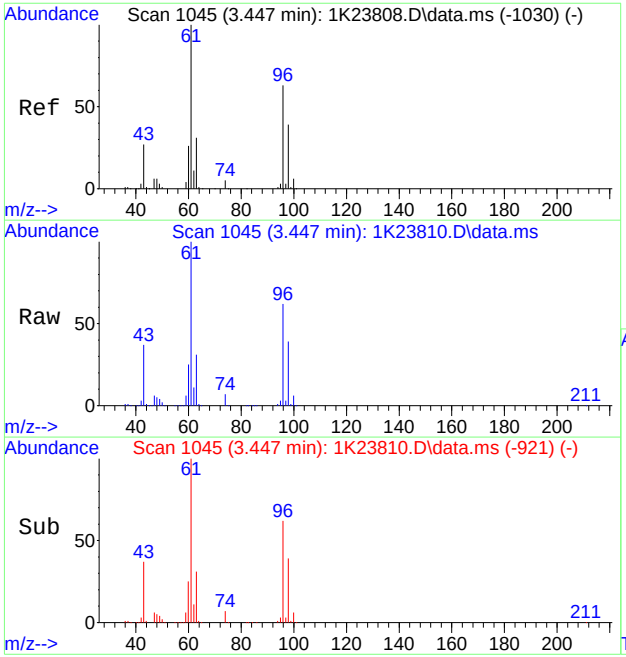


#24
methyl tert butyl ether
Concen: 102.15 ug/L
RT: 3.505 min Scan# 1063
Delta R.T. 0.000 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 73 Resp: 2048870

Ion	Ratio	Lower	Upper
73	100		
57	64.7	30.7	90.7
43	50.7	18.2	78.2

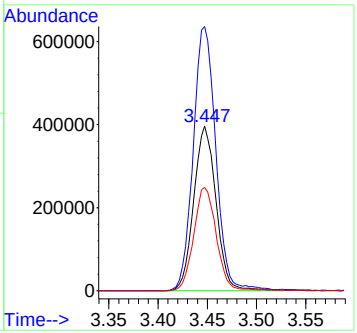


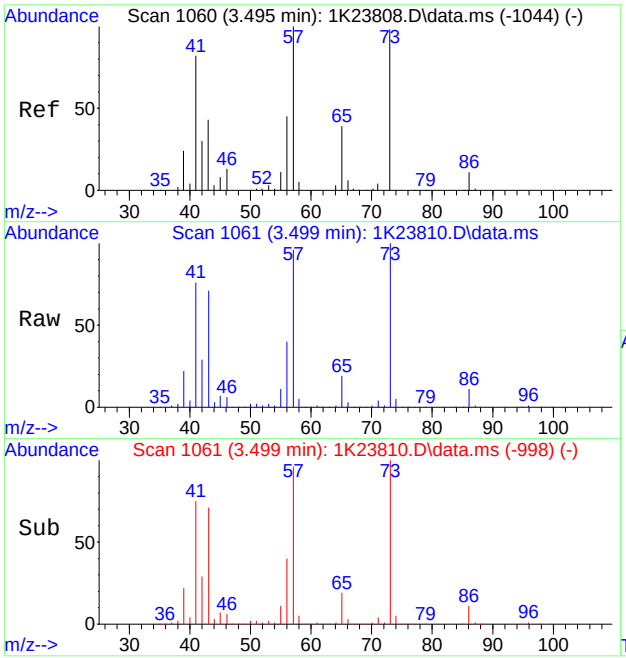


#25
trans-1,2-dichloroethene
Concen: 97.84 ug/L
RT: 3.447 min Scan# 1045
Delta R.T. 0.000 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 96 Resp: 626672

Ion	Ratio	Lower	Upper
96	100		
61	160.5	128.8	188.8
98	62.7	32.4	92.4

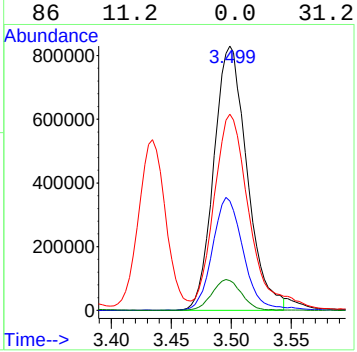


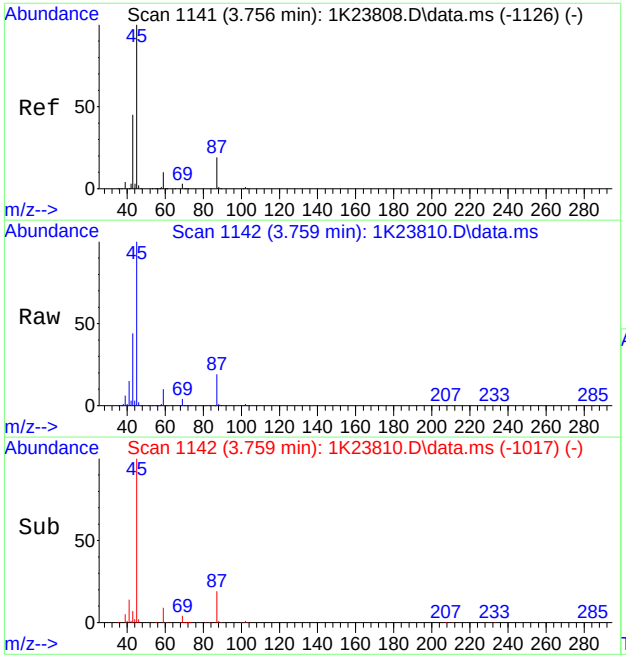


#26
hexane
Concen: 99.50 ug/L
RT: 3.499 min Scan# 1061
Delta R.T. 0.003 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 57 Resp: 1599740

Ion	Ratio	Lower	Upper
57	100		
56	41.4	24.9	64.9
43	68.8	50.9	90.9
86	11.2	0.0	31.2

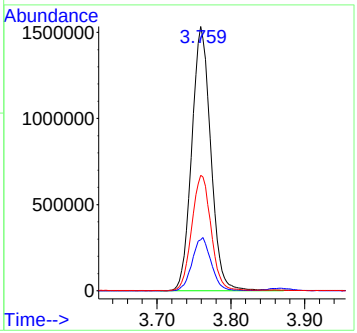


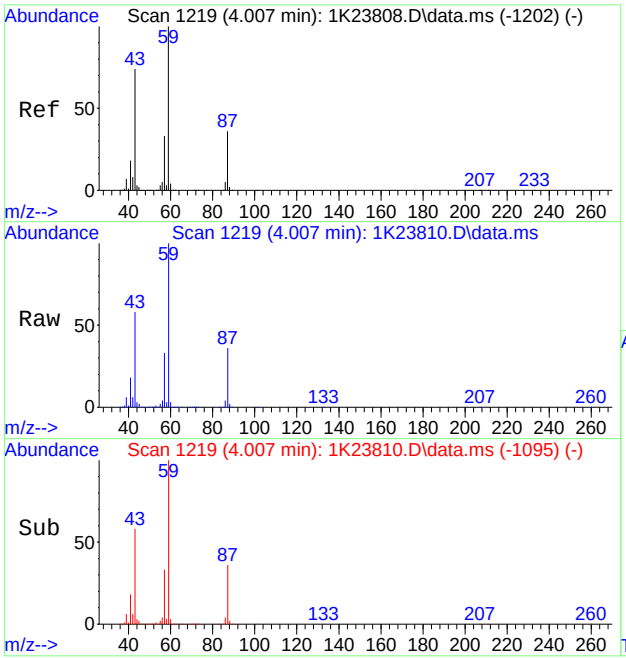


#27
di-isopropyl ether
Concen: 101.60 ug/L
RT: 3.759 min Scan# 1142
Delta R.T. 0.003 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 45 Resp: 2744495

Ion	Ratio	Lower	Upper
45	100		
87	19.3	0.0	48.8
43	43.6	14.9	74.9

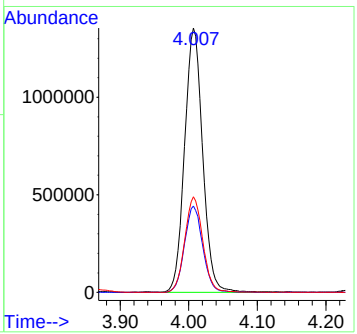


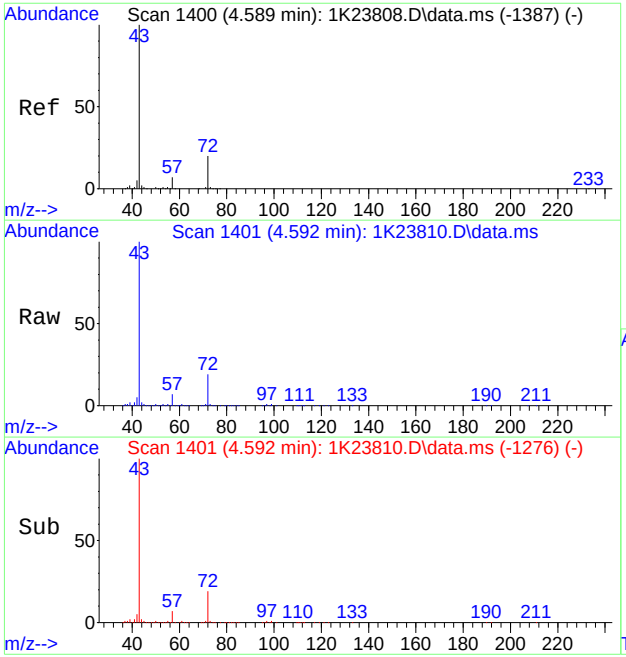


#28
ethyl tert-butyl ether
Concen: 104.19 ug/L
RT: 4.007 min Scan# 1219
Delta R.T. 0.000 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 59 Resp: 2482517

Ion	Ratio	Lower	Upper
59	100		
57	32.7	2.6	62.6
87	36.1	5.8	65.8

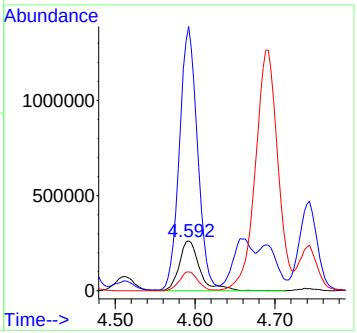


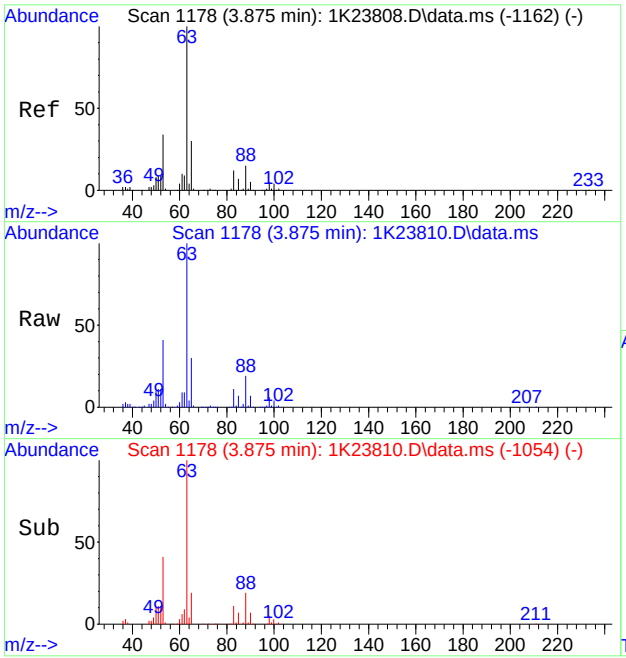


#29
2-butanone
Concen: 460.43 ug/L
RT: 4.592 min Scan# 1401
Delta R.T. 0.003 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 72 Resp: 468429

Ion	Ratio	Lower	Upper
72	100		
43	530.3	475.4	535.4
57	37.5	5.7	65.7

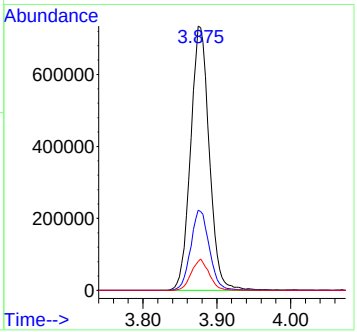


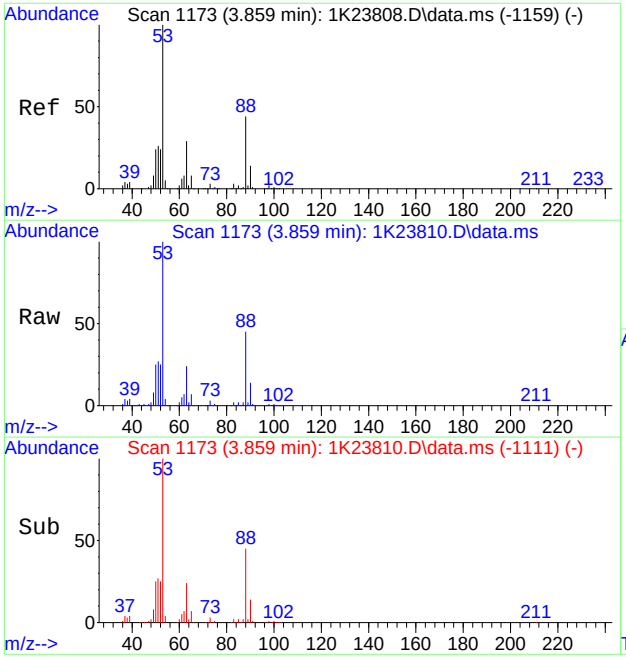


#30
1,1-dichloroethane
Concen: 101.60 ug/L
RT: 3.875 min Scan# 1178
Delta R.T. 0.000 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 63 Resp: 1290354

Ion	Ratio	Lower	Upper
63	100		
65	30.3	0.2	60.2
83	10.9	0.0	42.0

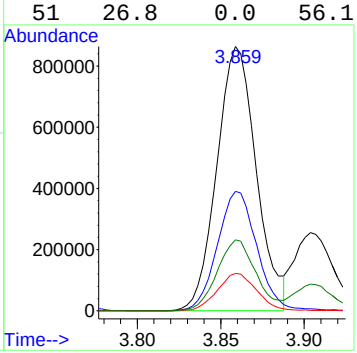


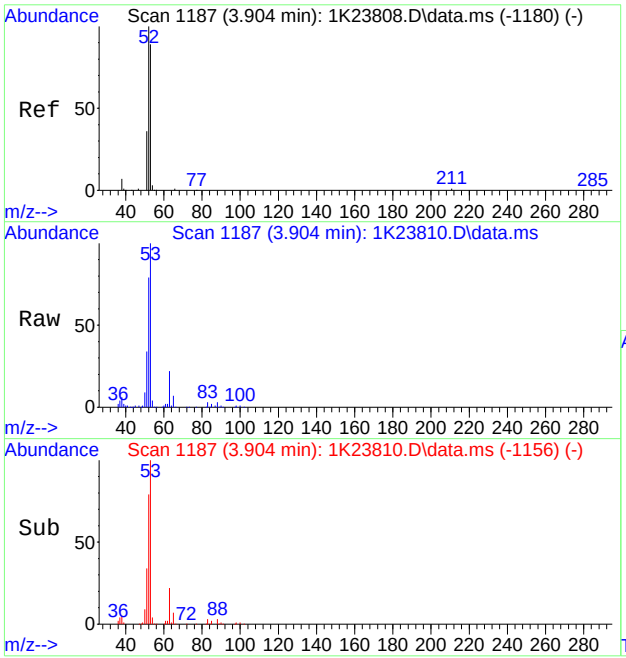


#31
chloroprene
Concen: 101.88 ug/L
RT: 3.859 min Scan# 1173
Delta R.T. 0.000 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 53 Resp: 1424700

Ion	Ratio	Lower	Upper
53	100		
88	45.1	13.8	73.8
90	14.2	0.0	44.2
51	26.8	0.0	56.1

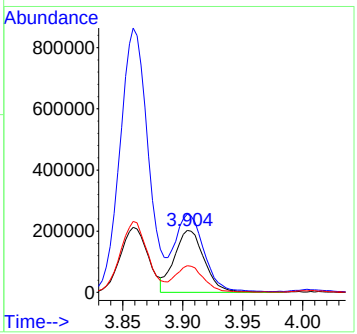


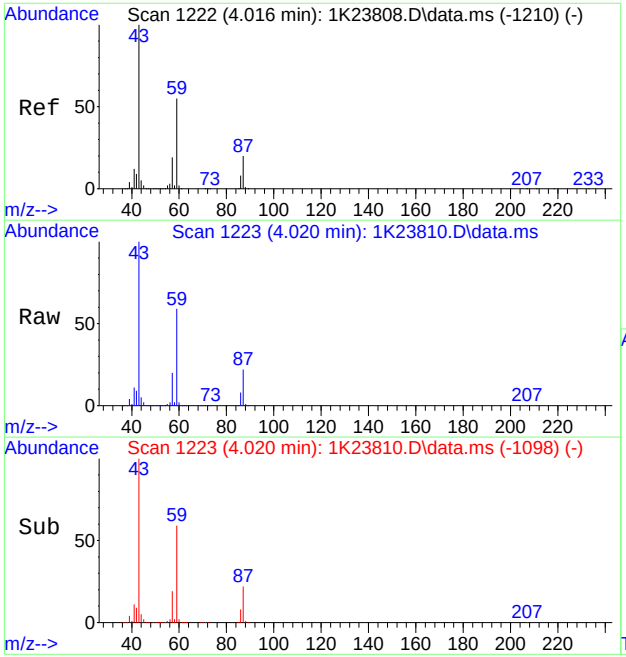


#32
acrylonitrile
Concen: 112.00 ug/L
RT: 3.904 min Scan# 1187
Delta R.T. 0.000 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 52 Resp: 354307

Ion	Ratio	Lower	Upper
52	100		
53	125.0	99.5	159.5
51	42.6	13.8	73.8

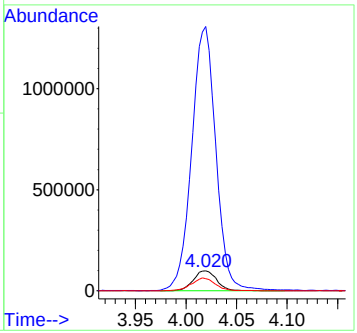


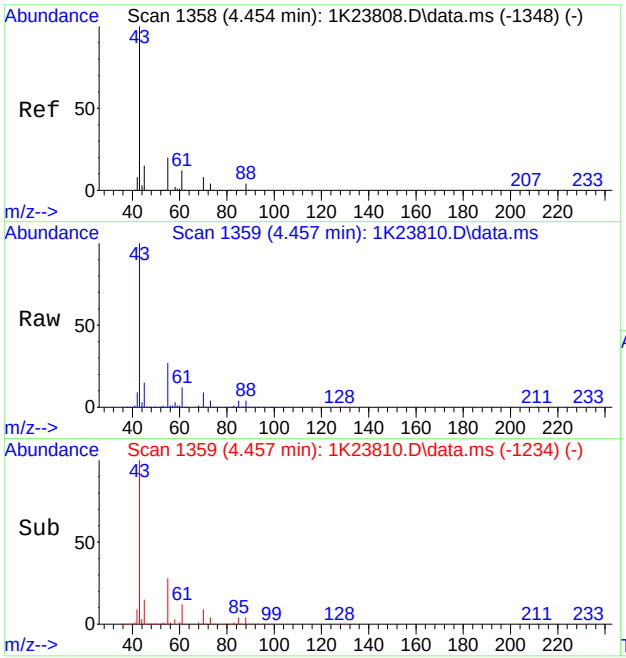


#33
vinyl acetate
Concen: 103.33 ug/L
RT: 4.020 min Scan# 1223
Delta R.T. 0.003 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 86 Resp: 160846

Ion	Ratio	Lower	Upper
86	100		
43	1320.5	1252.8	1312.8#
44	60.8	39.9	99.9

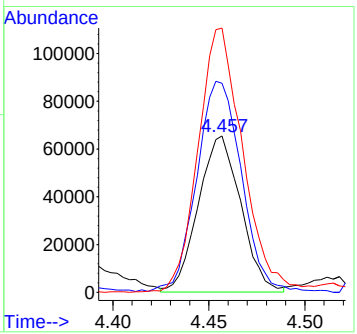


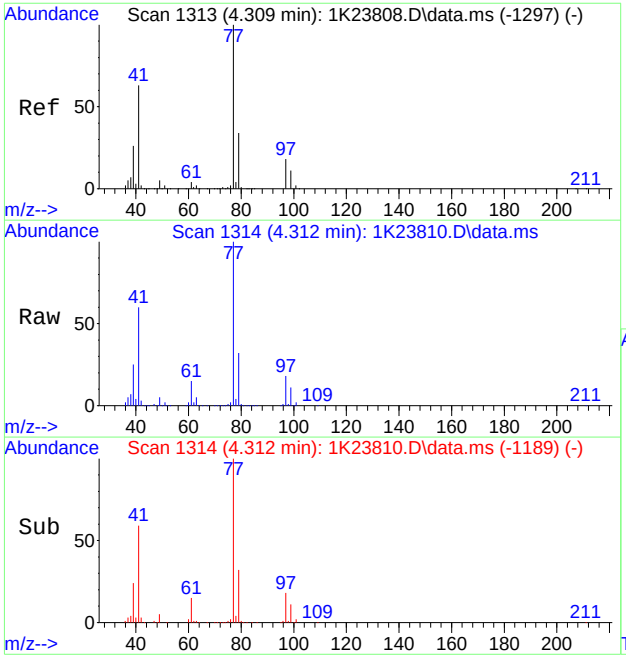


#34
ethyl acetate
Concen: 112.48 ug/L
RT: 4.457 min Scan# 1359
Delta R.T. 0.003 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 70 Resp: 100663

Ion	Ratio	Lower	Upper
70	100		
61	133.1	124.4	184.4
45	172.5	156.4	216.4

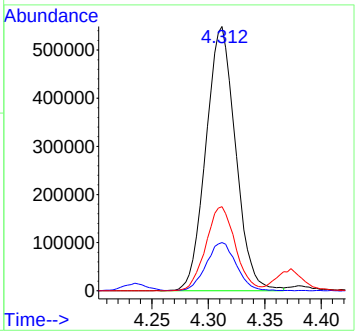


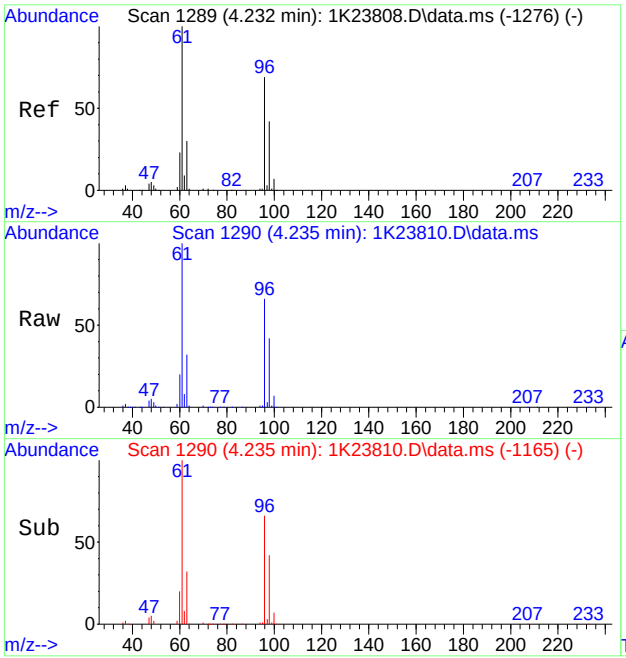


#35
2,2-dichloropropane
Concen: 93.74 ug/L
RT: 4.312 min Scan# 1314
Delta R.T. 0.003 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 77 Resp: 999886

Ion	Ratio	Lower	Upper
77	100		
97	18.1	0.0	47.6
79	31.8	3.7	63.7

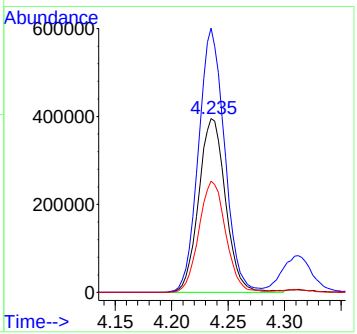


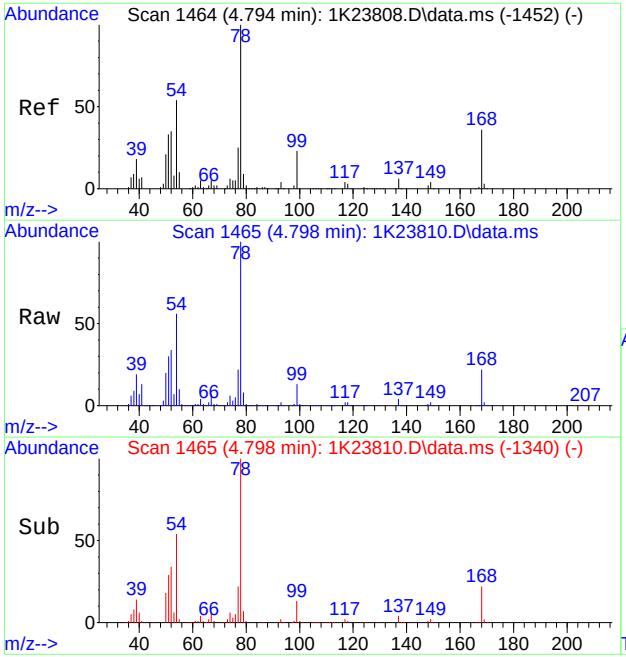


#36
cis-1,2-dichloroethene
Concen: 100.72 ug/L
RT: 4.235 min Scan# 1290
Delta R.T. 0.003 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 96 Resp: 654315

Ion	Ratio	Lower	Upper
96	100		
61	152.1	114.3	174.3
98	64.0	30.5	90.5

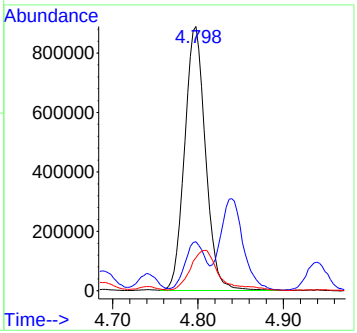


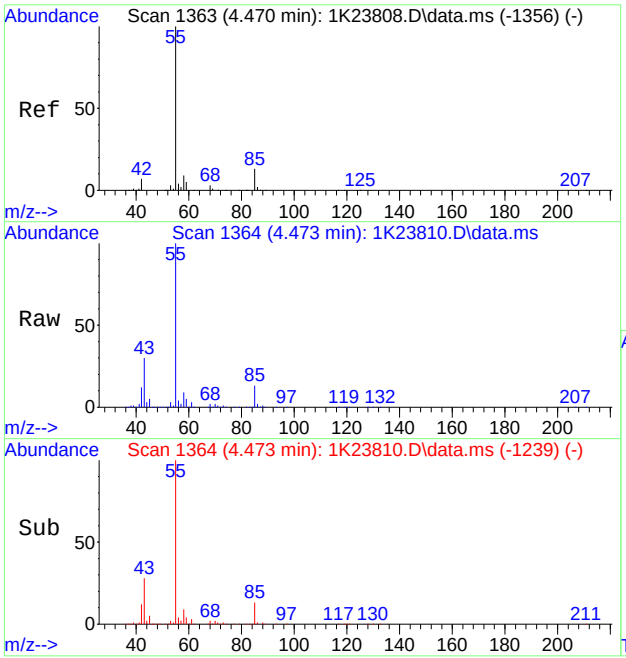


#37
propionitrile
Concen: 1092.49 ug/L
RT: 4.798 min Scan# 1465
Delta R.T. 0.003 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 54 Resp: 1502053

Ion	Ratio	Lower	Upper
54	100		
55	18.4	0.0	50.4
40	12.4	0.0	41.8

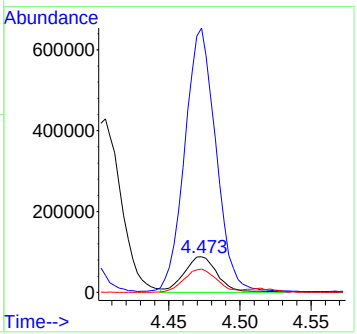


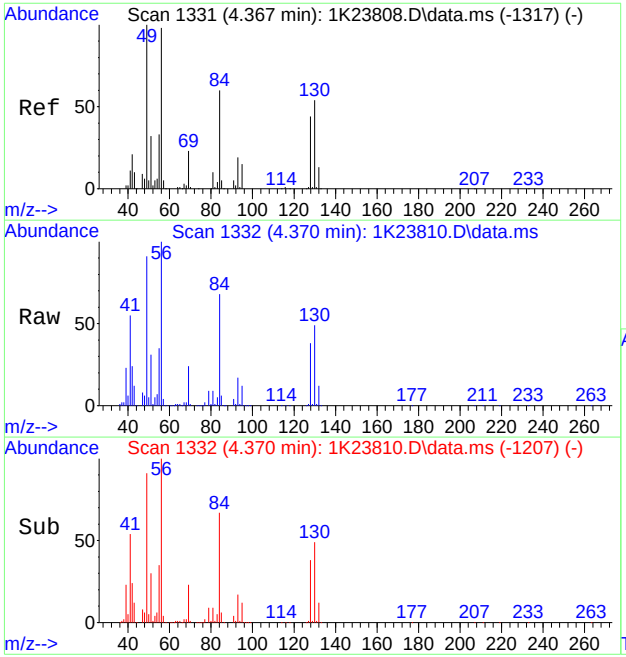


#38
methyl acrylate
Concen: 118.82 ug/L
RT: 4.473 min Scan# 1364
Delta R.T. 0.003 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 85 Resp: 143699

Ion	Ratio	Lower	Upper
85	100		
55	749.2	717.8	757.8
58	65.1	42.6	82.6

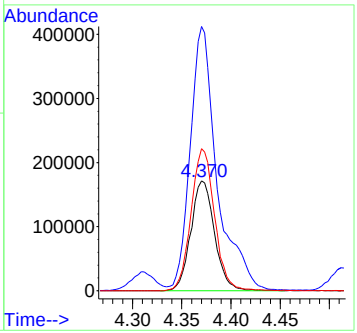


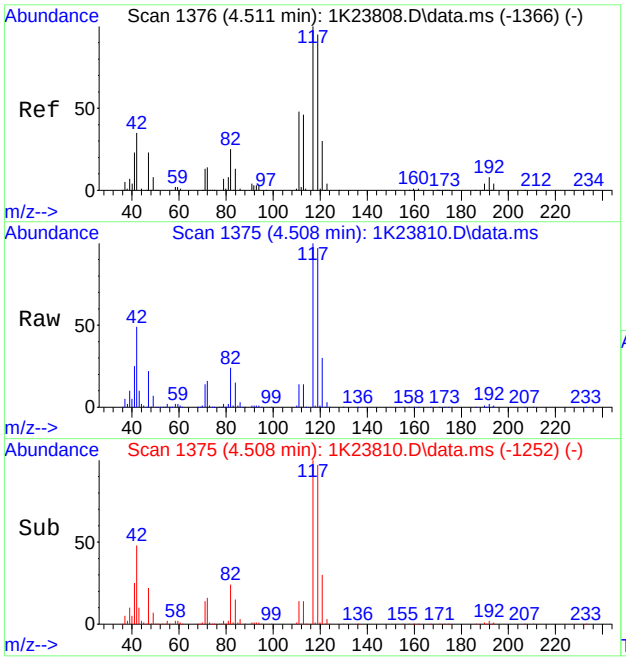


#39
bromochloromethane
Concen: 96.47 ug/L
RT: 4.370 min Scan# 1332
Delta R.T. 0.003 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion:128 Resp: 288040

Ion	Ratio	Lower	Upper
128	100		
49	239.8	195.5	255.5
130	129.4	92.1	152.1

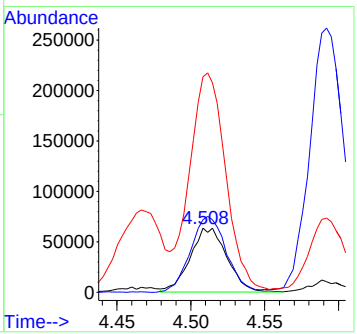


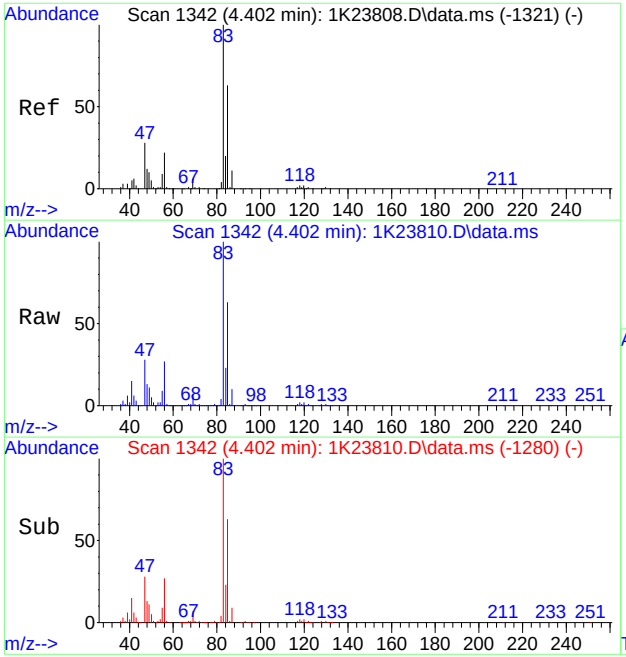


#40
tetrahydrofuran
Concen: 97.56 ug/L
RT: 4.508 min Scan# 1375
Delta R.T. -0.003 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 71 Resp: 109433

Ion	Ratio	Lower	Upper
71	100		
72	112.3	76.4	136.4
42	331.1	297.7	357.7

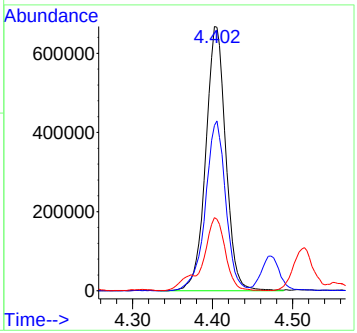


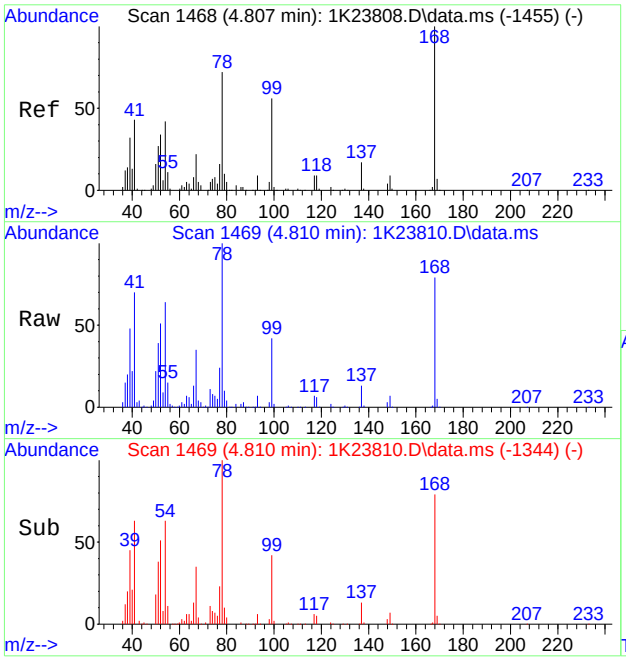


#41
chloroform
Concen: 93.64 ug/L
RT: 4.402 min Scan# 1342
Delta R.T. 0.000 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 83 Resp: 1161375

Ion	Ratio	Lower	Upper
83	100		
85	62.6	33.4	93.4
47	27.6	0.0	58.3

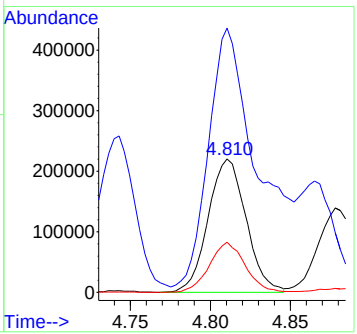


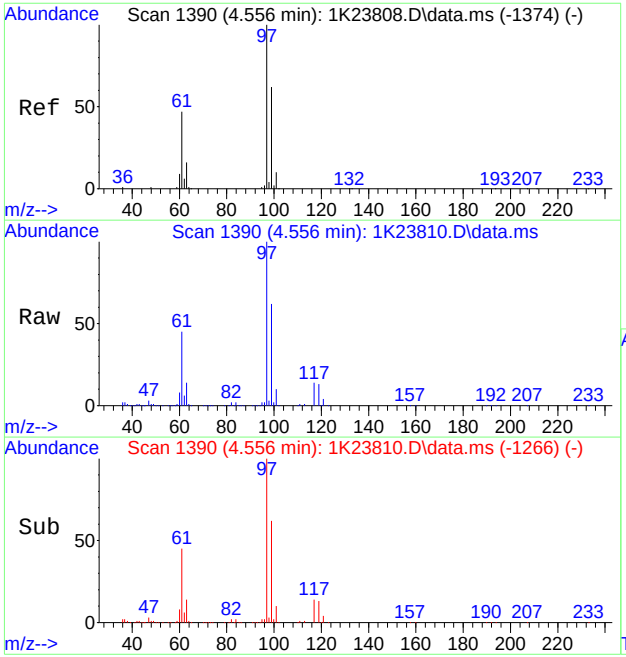


#43
methacrylonitrile
Concen: 95.34 ug/L
RT: 4.810 min Scan# 1469
Delta R.T. 0.003 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 67 Resp: 363966

Ion	Ratio	Lower	Upper
67	100		
41	190.9	161.1	221.1
66	37.6	3.7	63.7

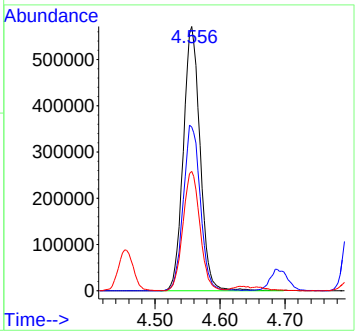


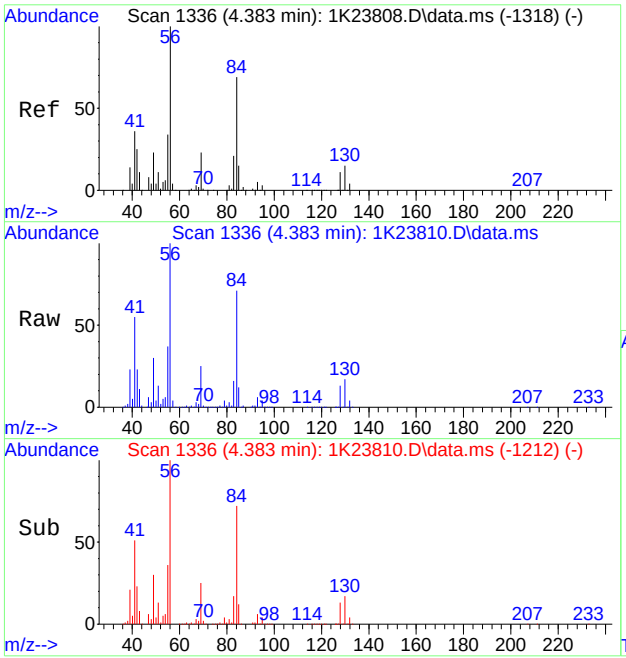


#44
1,1,1-trichloroethane
Concen: 97.53 ug/L
RT: 4.556 min Scan# 1390
Delta R.T. 0.000 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 97 Resp: 1023472

Ion	Ratio	Lower	Upper
97	100		
99	61.9	32.1	92.1
61	45.0	16.3	76.3

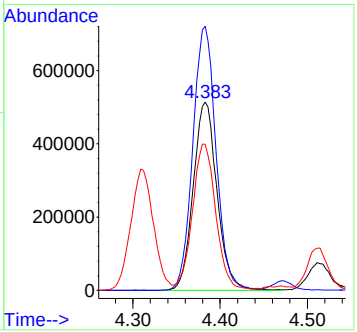


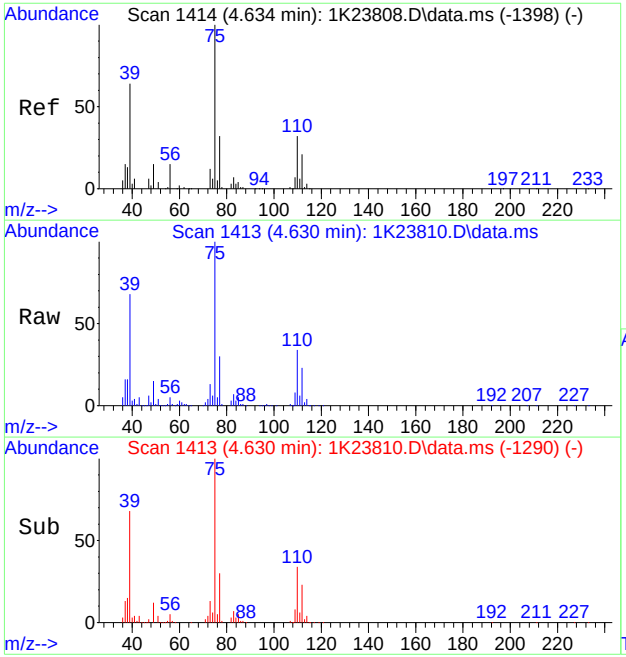


#45
cyclohexane
Concen: 108.15 ug/L
RT: 4.383 min Scan# 1336
Delta R.T. 0.000 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 84 Resp: 976179

Ion	Ratio	Lower	Upper
84	100		
56	140.5	124.1	164.1
41	75.5	58.3	98.3

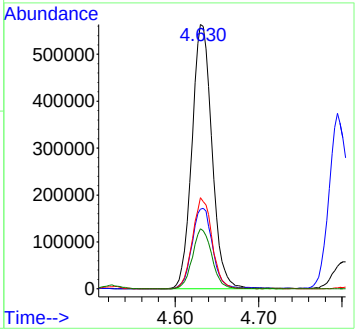


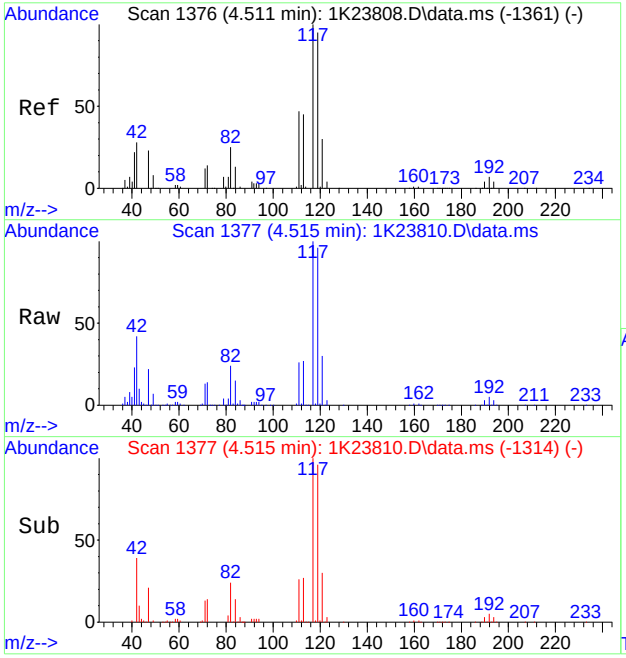


#46
1,1-dichloropropene
Concen: 103.80 ug/L
RT: 4.630 min Scan# 1413
Delta R.T. -0.003 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 75 Resp: 942937

Ion	Ratio	Lower	Upper
75	100		
77	30.1	12.0	52.0
110	34.5	12.3	52.3
112	22.8	0.8	40.8

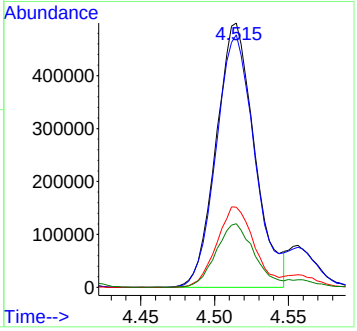


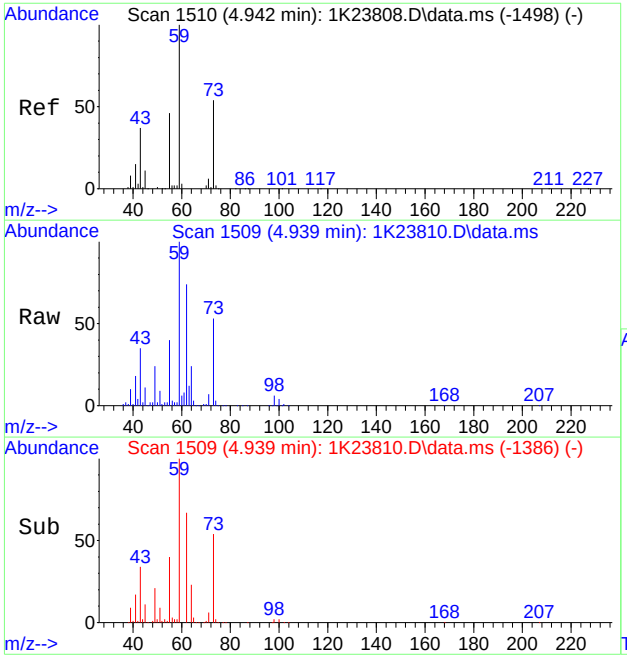


#47
carbon tetrachloride
Concen: 91.17 ug/L
RT: 4.515 min Scan# 1377
Delta R.T. 0.003 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion:117 Resp: 902525

Ion	Ratio	Lower	Upper
117	100		
119	95.5	74.6	114.6
121	30.3	9.9	49.9
82	23.9	5.1	45.1

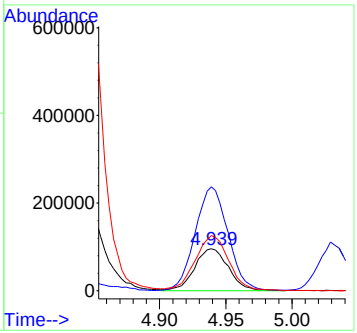


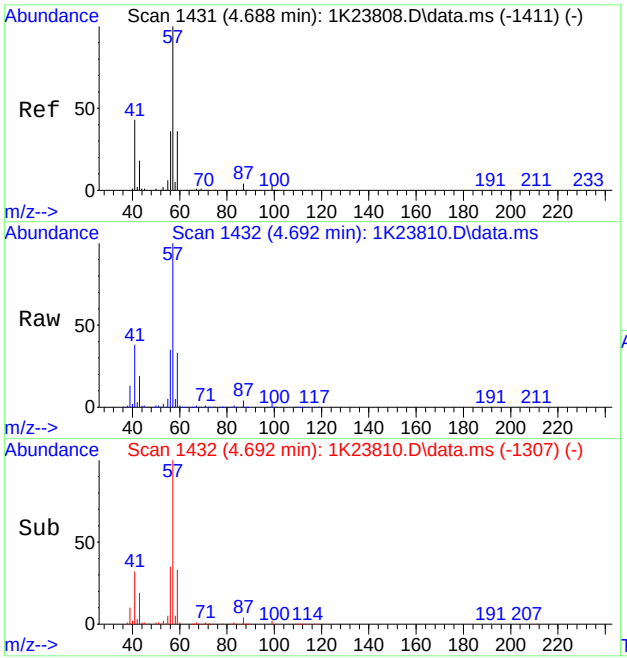


#49
tert-amyl alcohol
Concen: 545.95 ug/L
RT: 4.939 min Scan# 1509
Delta R.T. -0.003 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 55 Resp: 169730

Ion	Ratio	Lower	Upper
55	100		
59	246.5	194.2	234.2#
73	131.0	101.1	141.1

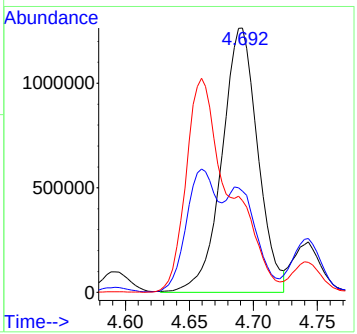


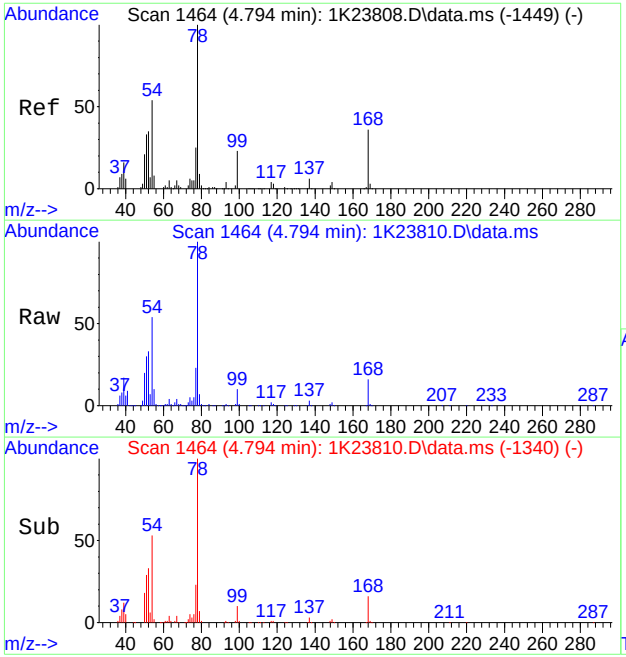


#52
iso-octane
Concen: 95.56 ug/L
RT: 4.692 min Scan# 1432
Delta R.T. 0.003 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 57 Resp: 2468600

Ion	Ratio	Lower	Upper
57	100		
41	37.9	22.7	62.7
56	33.8	16.1	56.1

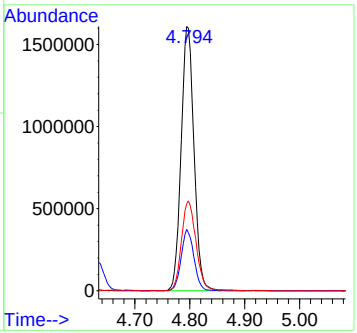


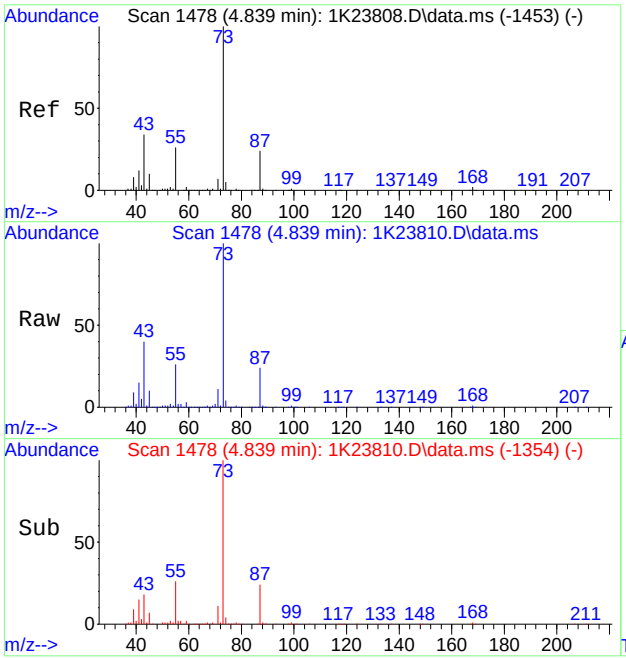


#53
benzene
Concen: 100.53 ug/L
RT: 4.794 min Scan# 1464
Delta R.T. 0.000 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 78 Resp: 2631659

Ion	Ratio	Lower	Upper
78	100		
77	23.2	0.0	54.5
52	33.0	5.0	65.0

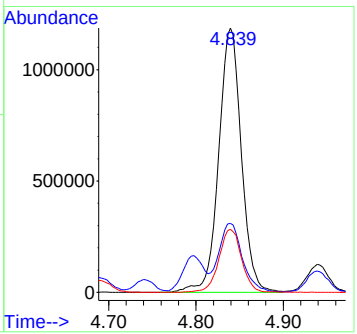


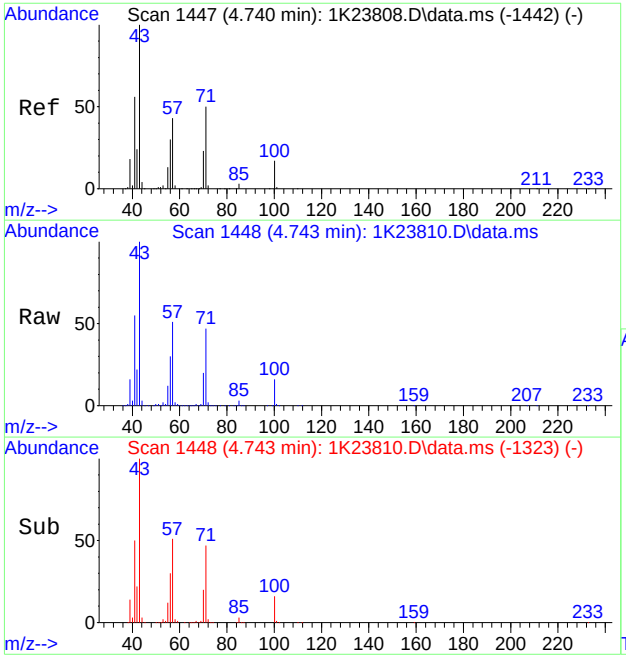


#54
tert-amyl methyl ether
Concen: 99.67 ug/L
RT: 4.839 min Scan# 1478
Delta R.T. 0.000 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 73 Resp: 2143495

Ion	Ratio	Lower	Upper
73	100		
55	25.9	7.0	47.0
87	23.8	4.4	44.4

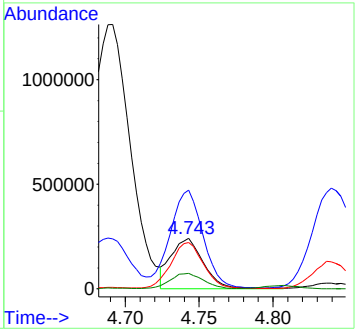


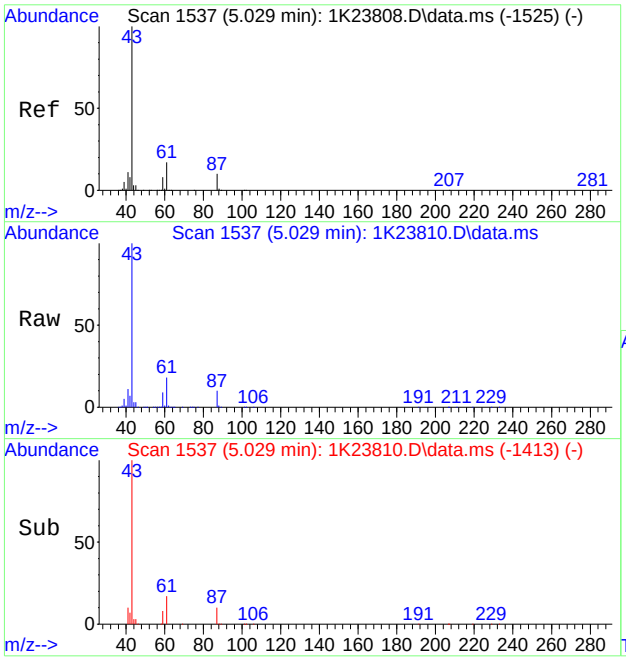


#55
heptane
Concen: 94.18 ug/L
RT: 4.743 min Scan# 1448
Delta R.T. 0.003 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 57 Resp: 370807

Ion	Ratio	Lower	Upper
57	100		
43	192.6	165.6	225.6
71	91.9	61.2	121.2
100	24.8	0.0	55.6

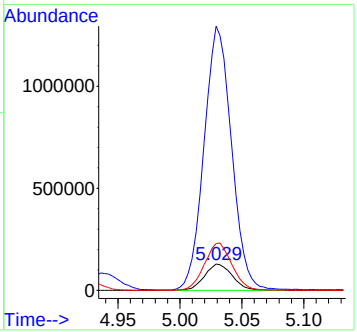


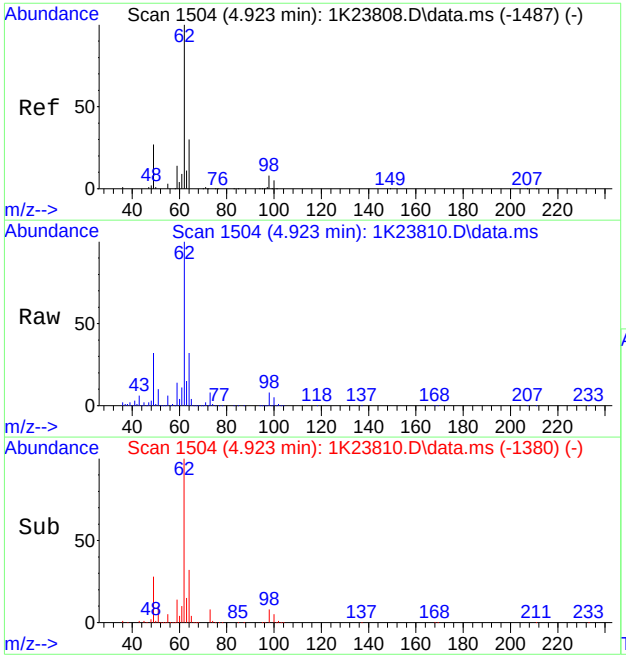


#56
isopropyl acetate
Concen: 105.42 ug/L
RT: 5.029 min Scan# 1537
Delta R.T. 0.000 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 87 Resp: 201608

Ion	Ratio	Lower	Upper
87	100		
43	995.4	998.2	1058.2#
61	176.1	147.0	207.0

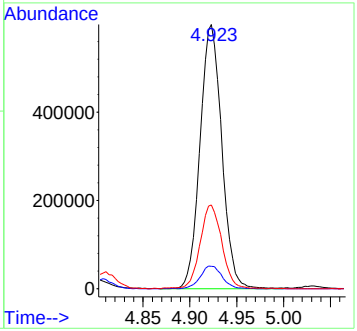


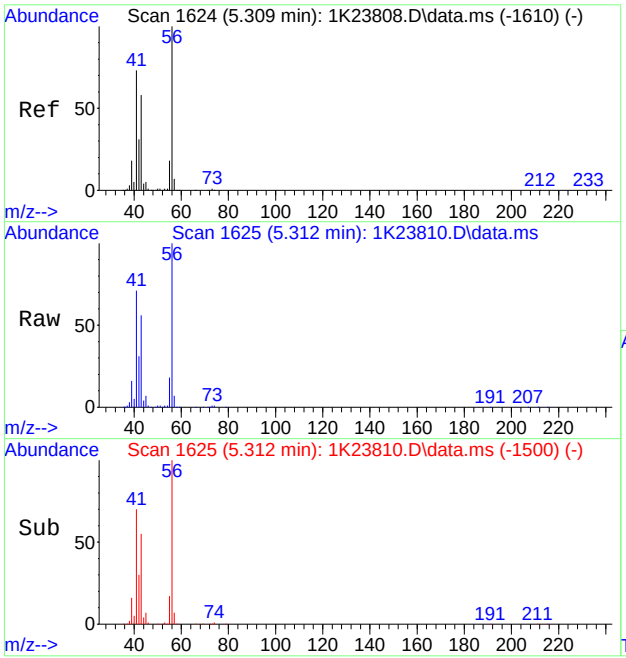


#57
1,2-dichloroethane
Concen: 89.15 ug/L
RT: 4.923 min Scan# 1504
Delta R.T. 0.000 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 62 Resp: 968486

Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	38.3
64	31.7	0.4	60.4

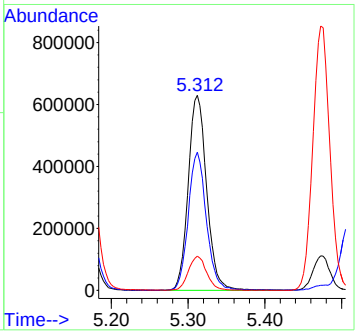


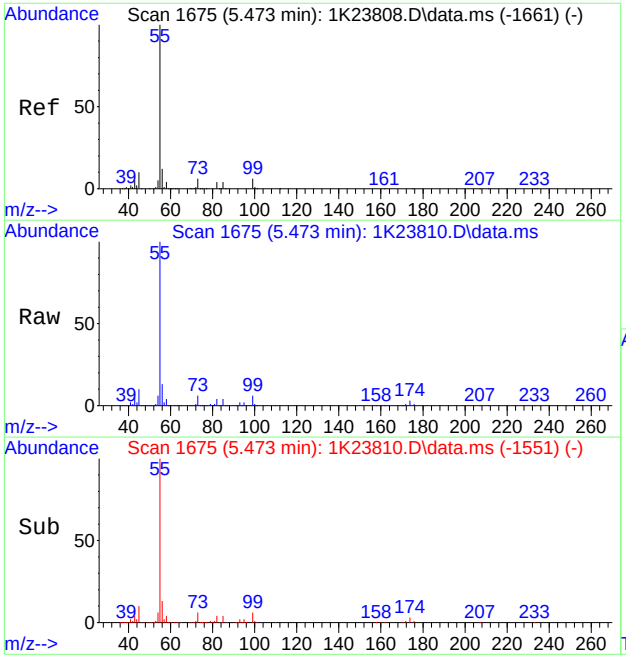


#58
n-butyl alcohol
Concen: 6156.01 ug/L
RT: 5.312 min Scan# 1625
Delta R.T. 0.003 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 56 Resp: 1050659

Ion	Ratio	Lower	Upper
56	100		
41	70.7	53.5	93.5
55	17.6	0.0	38.0

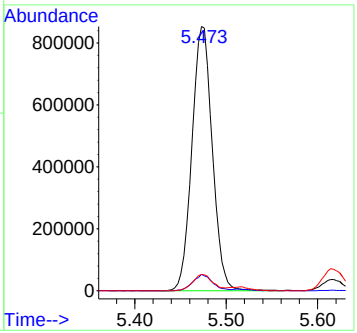


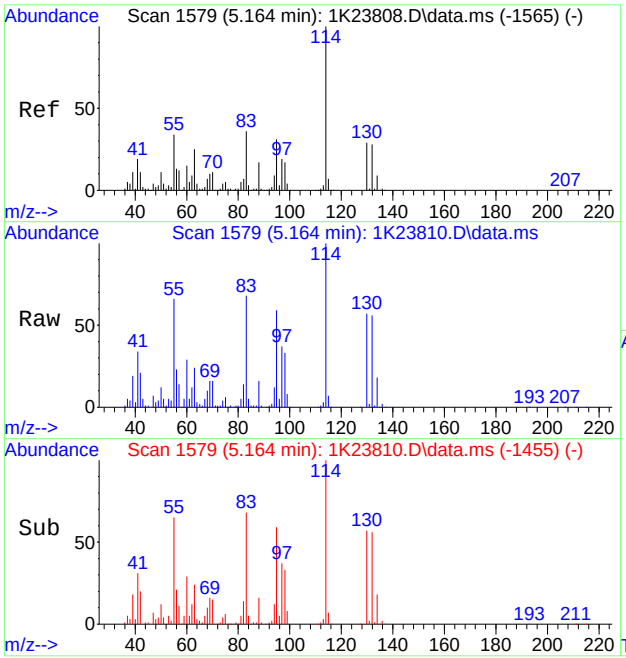


#59
ethyl acrylate
Concen: 101.39 ug/L
RT: 5.473 min Scan# 1675
Delta R.T. 0.000 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 55 Resp: 1322993

Ion	Ratio	Lower	Upper
55	100		
73	6.2	0.0	35.8
99	6.2	0.0	35.9

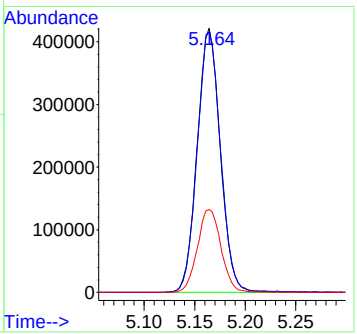


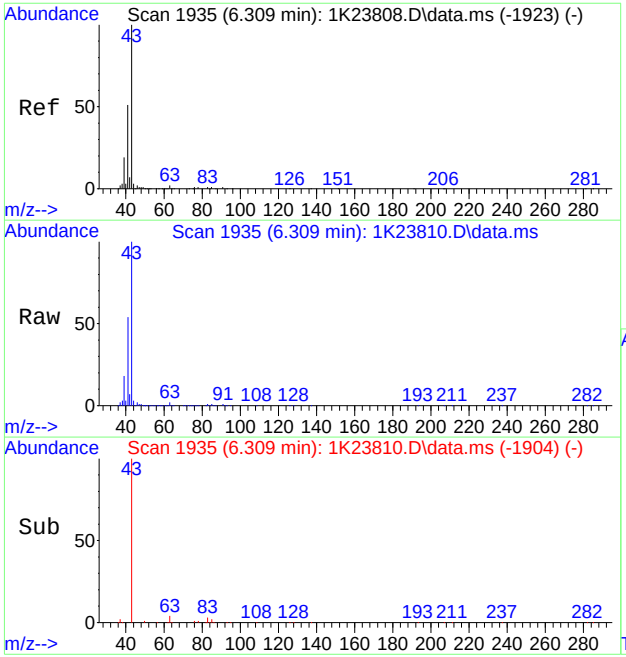


#60
trichloroethene
Concen: 102.53 ug/L
RT: 5.164 min Scan# 1579
Delta R.T. 0.000 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion:130 Resp: 670688

Ion	Ratio	Lower	Upper
130	100		
132	98.6	66.4	126.4
134	31.3	0.0	59.6

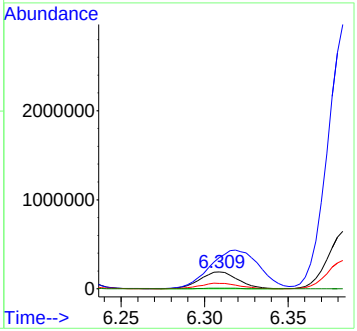


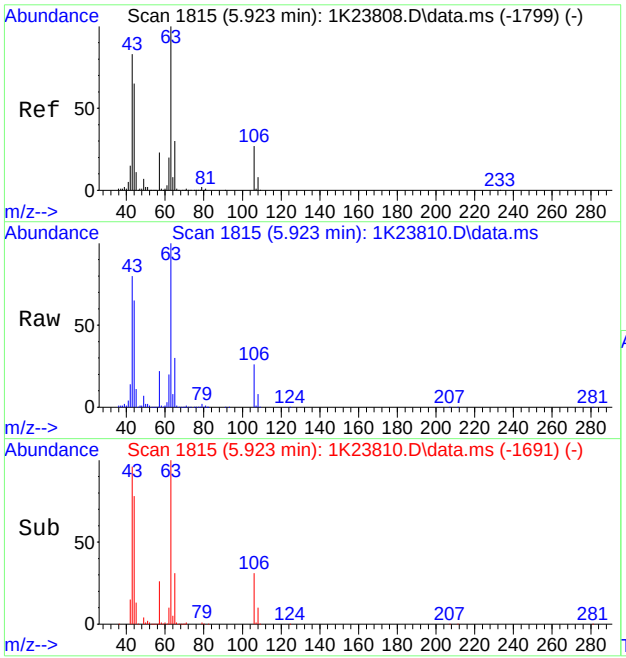


#61
2-nitropropane
Concen: 90.23 ug/L
RT: 6.309 min Scan# 1935
Delta R.T. 0.000 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 41 Resp: 293880

Ion	Ratio	Lower	Upper
41	100		
43	185.6	164.7	224.7
39	32.2	6.3	66.3
46	3.5	0.0	33.8

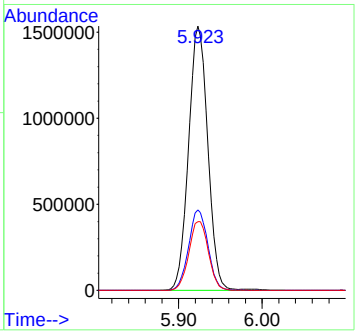


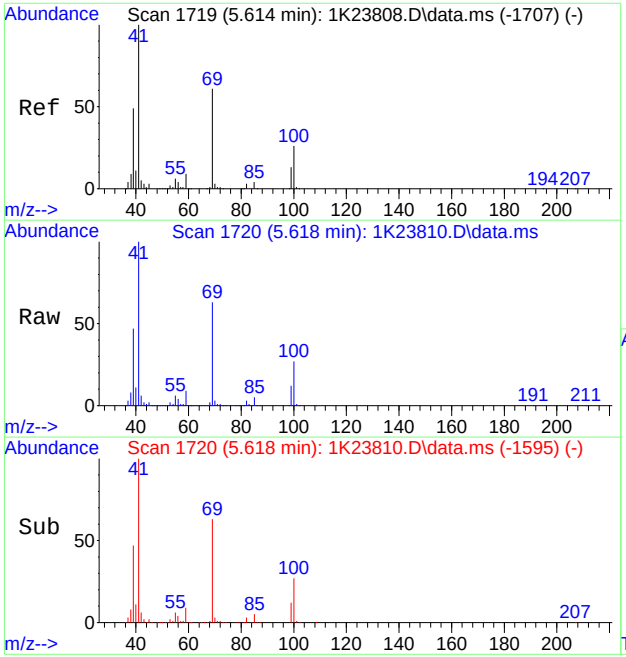


#62
2-chloroethyl vinyl ether
Concen: 533.38 ug/L
RT: 5.923 min Scan# 1815
Delta R.T. 0.000 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 63 Resp: 2464932

Ion	Ratio	Lower	Upper
63	100		
65	30.4	0.4	60.4
106	26.0	0.0	57.4

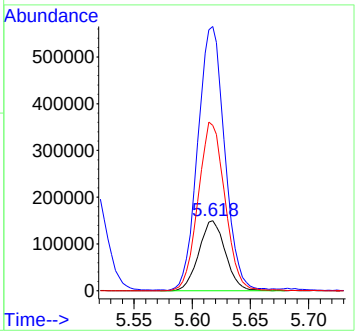


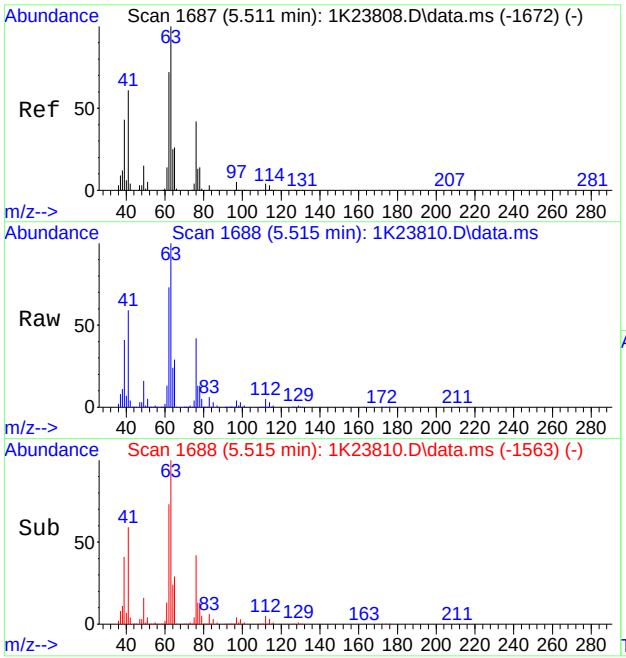


#63
methyl methacrylate
Concen: 105.77 ug/L
RT: 5.618 min Scan# 1720
Delta R.T. 0.003 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion:100 Resp: 239362

Ion	Ratio	Lower	Upper
100	100		
41	375.8	352.7	412.7
69	235.8	201.8	261.8

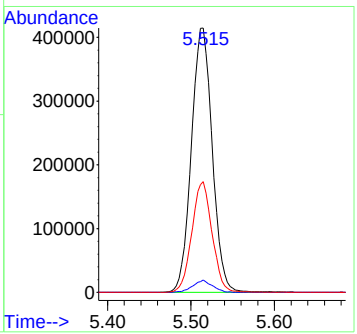


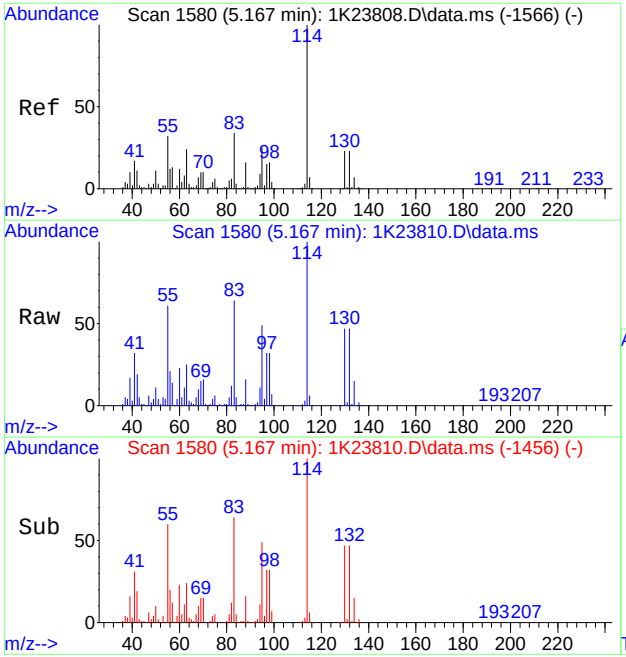


#64
1,2-dichloropropane
Concen: 98.79 ug/L
RT: 5.515 min Scan# 1688
Delta R.T. 0.003 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 63 Resp: 722579

Ion	Ratio	Lower	Upper
63	100		
112	4.7	0.0	34.3
76	41.9	11.5	71.5

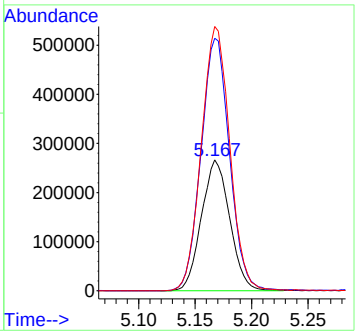


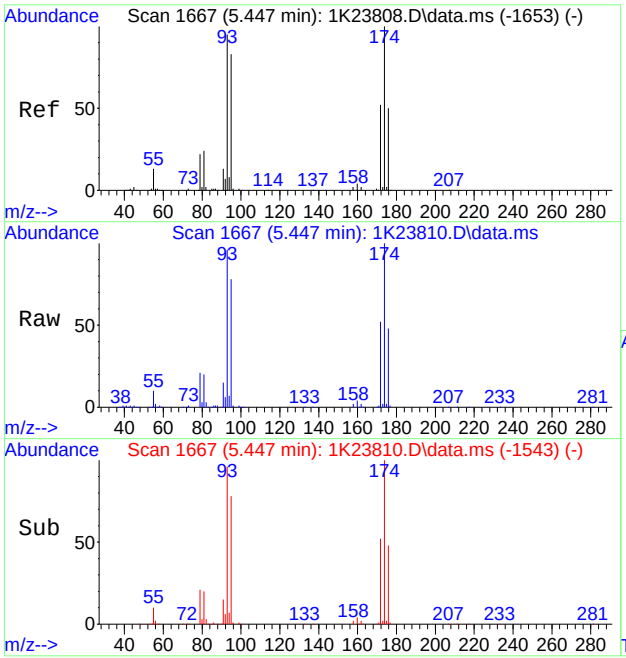


#65
methylcyclohexane
Concen: 97.12 ug/L
RT: 5.167 min Scan# 1580
Delta R.T. 0.000 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 98 Resp: 464395

Ion	Ratio	Lower	Upper
98	100		
55	192.8	162.4	222.4
83	202.0	177.4	237.4

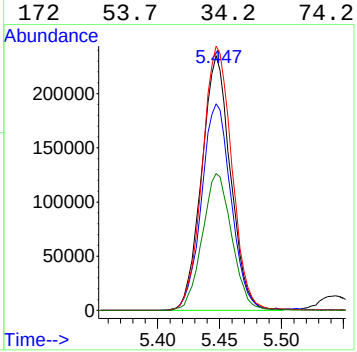


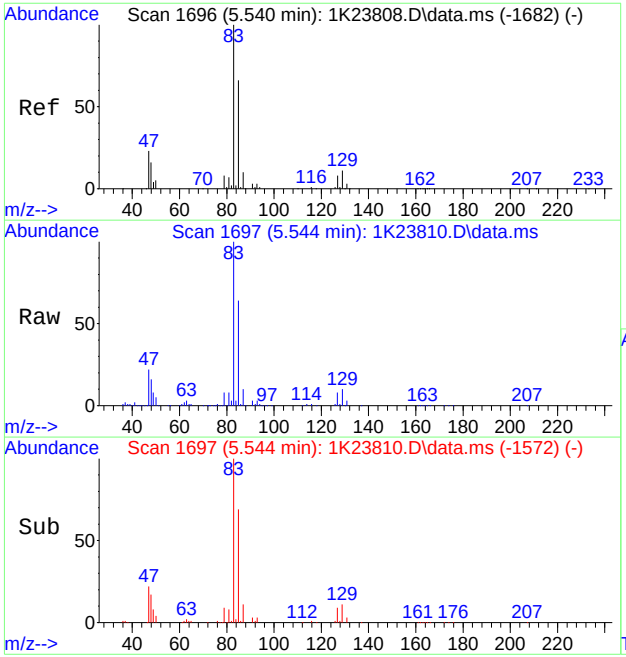


#66
dibromomethane
Concen: 95.93 ug/L
RT: 5.447 min Scan# 1667
Delta R.T. 0.000 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 93 Resp: 381007

Ion	Ratio	Lower	Upper
93	100		
95	81.1	57.5	117.5
174	103.8	75.1	135.1
172	53.7	34.2	74.2

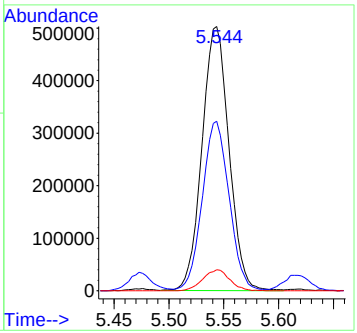


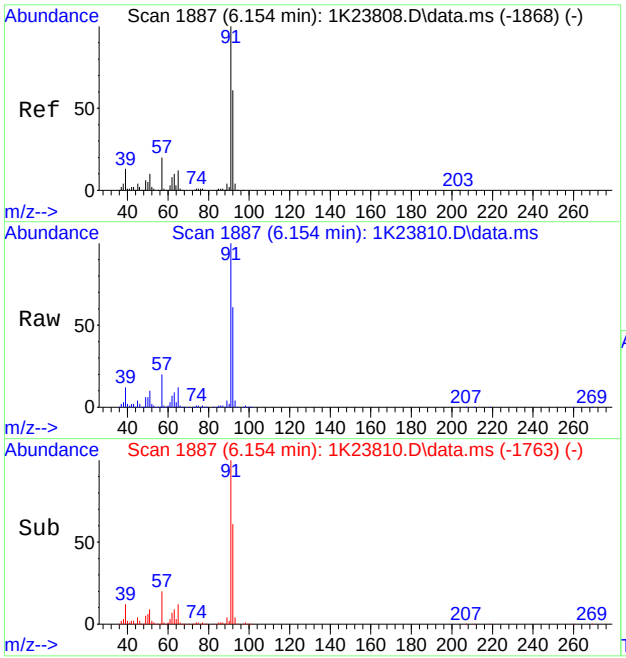


#67
bromodichloromethane
Concen: 95.97 ug/L
RT: 5.544 min Scan# 1697
Delta R.T. 0.003 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 83 Resp: 861705

Ion	Ratio	Lower	Upper
83	100		
85	62.7	35.5	95.5
127	8.0	0.0	37.9

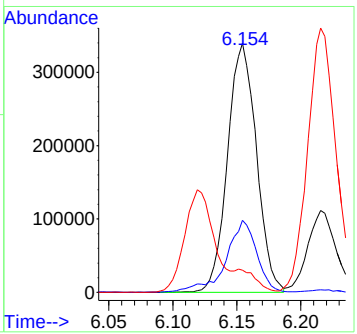


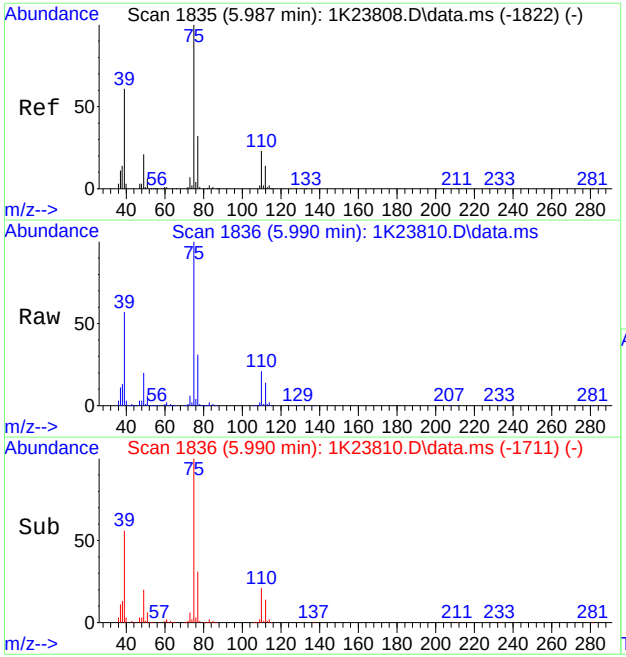


#68
epichlorohydrin
Concen: 495.26 ug/L
RT: 6.154 min Scan# 1887
Delta R.T. 0.000 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 57 Resp: 532780

Ion	Ratio	Lower	Upper
57	100		
49	28.7	8.2	48.2
42	8.3	0.0	27.5

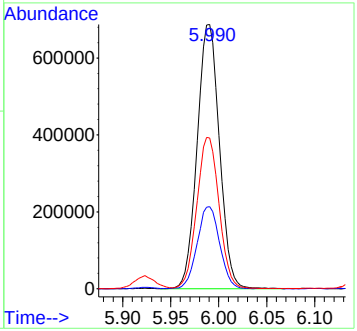


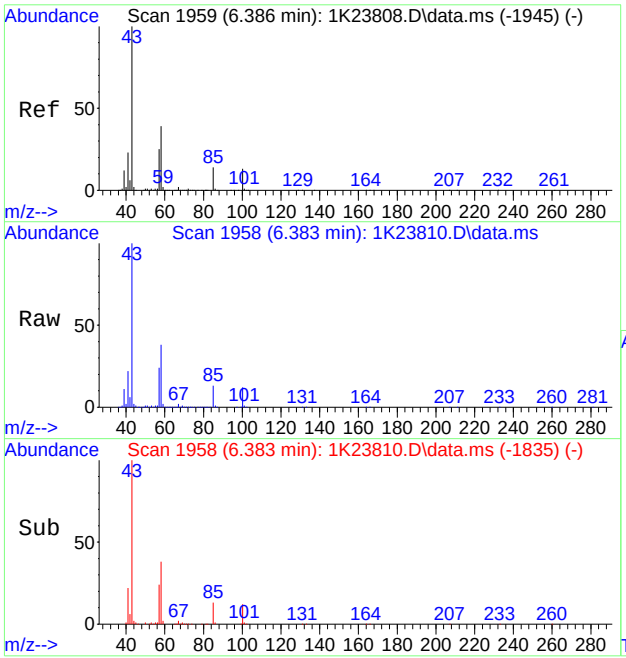


#69
cis-1,3-dichloropropene
Concen: 102.76 ug/L
RT: 5.990 min Scan# 1836
Delta R.T. 0.003 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 75 Resp: 1112881

Ion	Ratio	Lower	Upper
75	100		
77	31.1	2.2	62.2
39	57.0	31.6	91.6

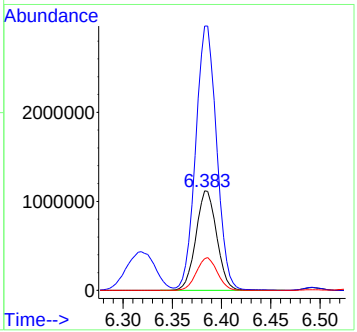


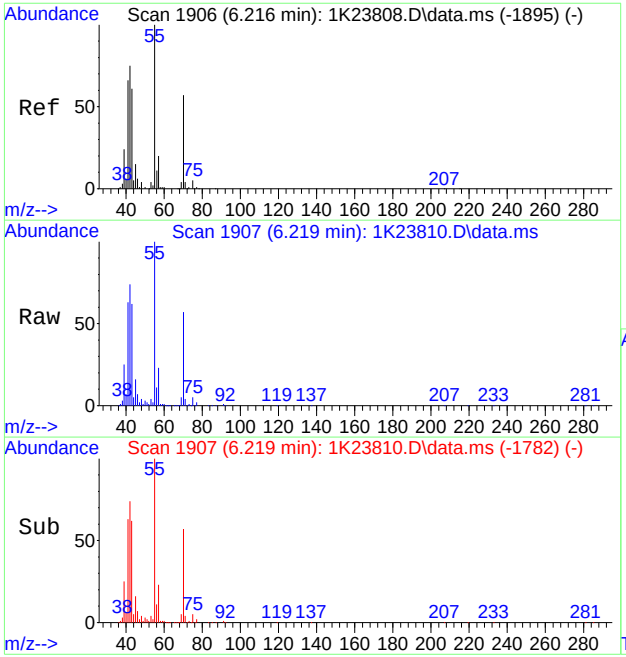


#70
4-methyl-2-pentanone
Concen: 391.21 ug/L
RT: 6.383 min Scan# 1958
Delta R.T. -0.003 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 58 Resp: 1645648

Ion	Ratio	Lower	Upper
58	100		
43	265.6	235.3	295.3
100	32.0	2.2	62.2

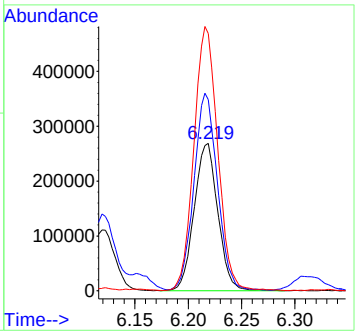


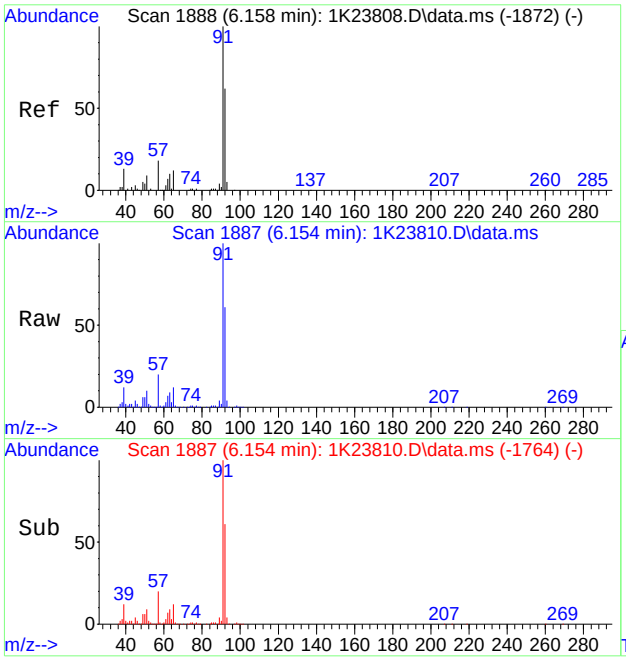


#71
3-methyl-1-butanol
Concen: 2279.00 ug/L
RT: 6.219 min Scan# 1907
Delta R.T. 0.003 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 70 Resp: 415248

Ion	Ratio	Lower	Upper
70	100		
42	127.6	103.4	163.4
55	174.3	146.9	206.9

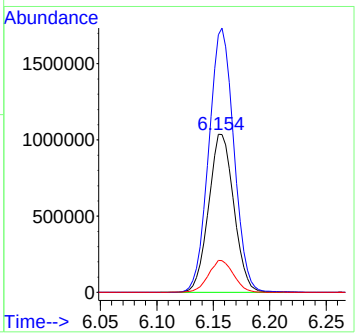


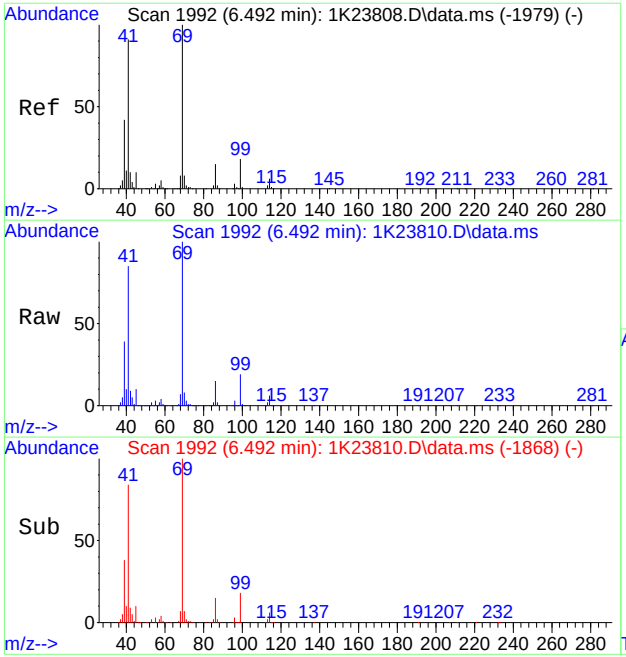


#74
toluene
Concen: 98.66 ug/L
RT: 6.154 min Scan# 1887
Delta R.T. -0.003 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 92 Resp: 1606432

Ion	Ratio	Lower	Upper
92	100		
91	163.0	140.0	180.0
65	20.2	0.0	39.6

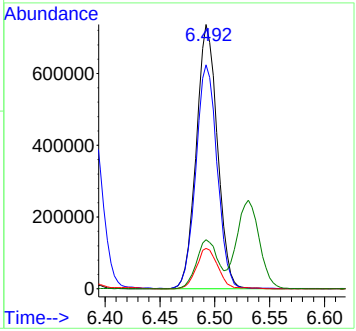


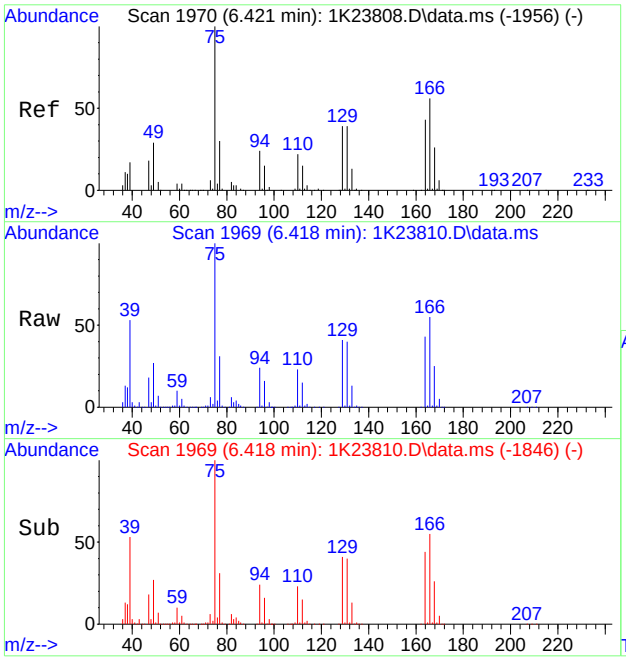


#75
ethyl methacrylate
Concen: 104.15 ug/L
RT: 6.492 min Scan# 1992
Delta R.T. 0.000 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 69 Resp: 984482

Ion	Ratio	Lower	Upper
69	100		
41	84.5	71.2	111.2
86	15.3	0.0	35.1
99	18.5	0.0	38.4

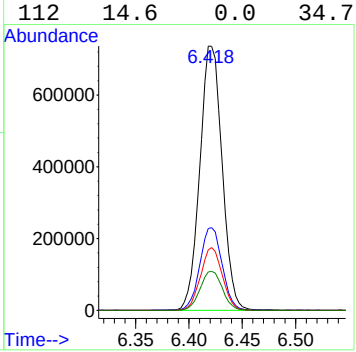


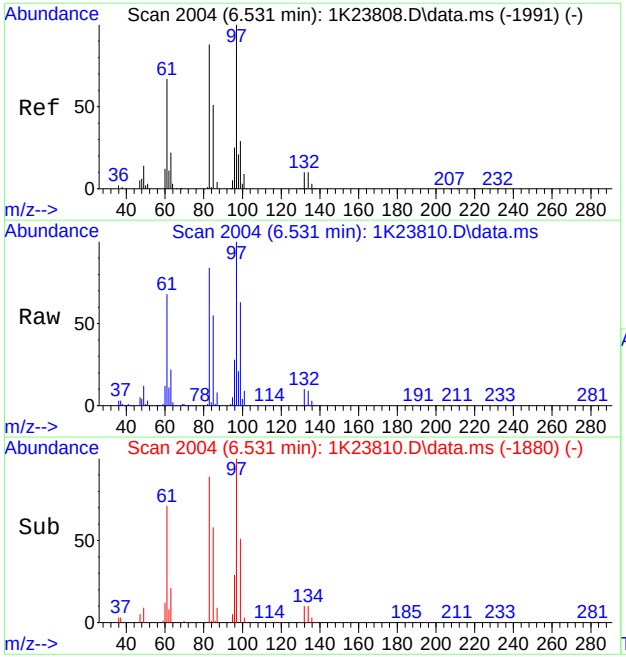


#76
trans-1,3-dichloropropene
Concen: 102.43 ug/L
RT: 6.418 min Scan# 1969
Delta R.T. -0.003 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 75 Resp: 1073881

Ion	Ratio	Lower	Upper
75	100		
77	30.9	10.4	50.4
110	23.0	2.4	42.4
112	14.6	0.0	34.7

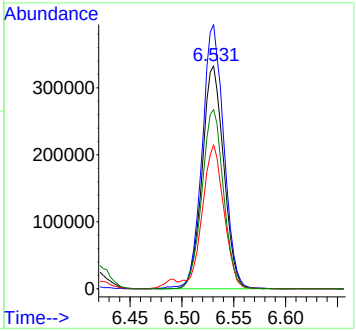


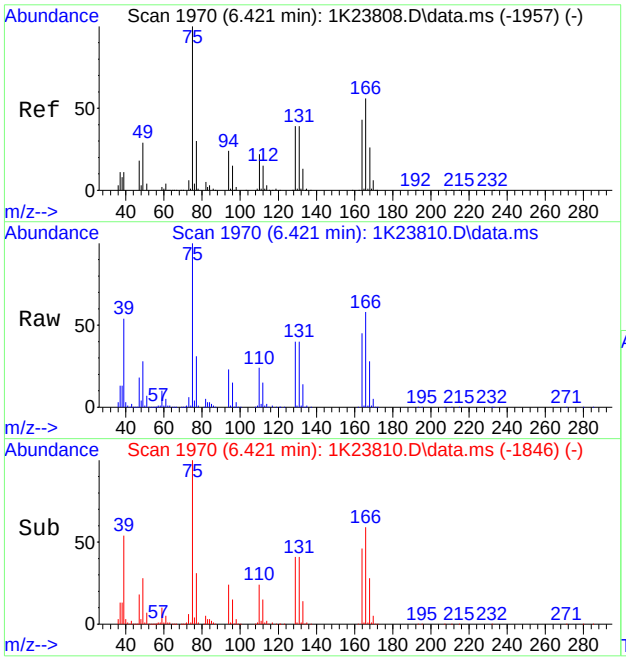


#77
1,1,2-trichloroethane
Concen: 105.94 ug/L
RT: 6.531 min Scan# 2004
Delta R.T. 0.000 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 83 Resp: 481418

Ion	Ratio	Lower	Upper
83	100		
97	118.5	94.4	134.4
85	64.6	41.5	81.5
61	80.4	56.0	96.0

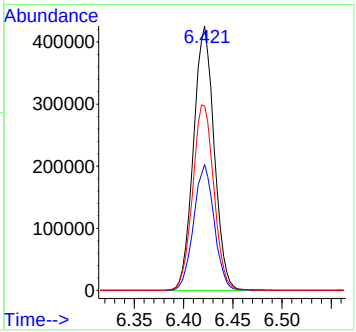


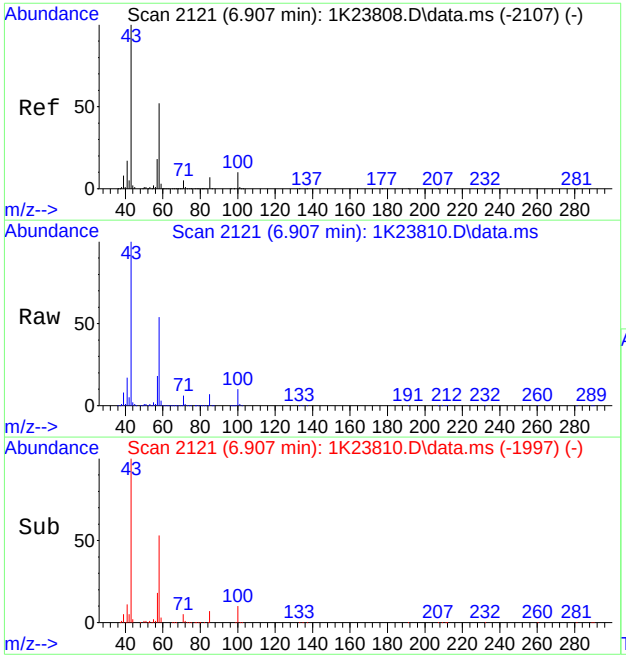


#78
tetrachloroethene
Concen: 98.33 ug/L
RT: 6.421 min Scan# 1970
Delta R.T. 0.000 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion:166 Resp: 622453

Ion	Ratio	Lower	Upper
166	100		
168	47.6	17.0	77.0
129	69.8	39.8	99.8

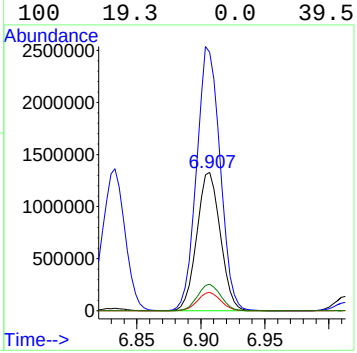


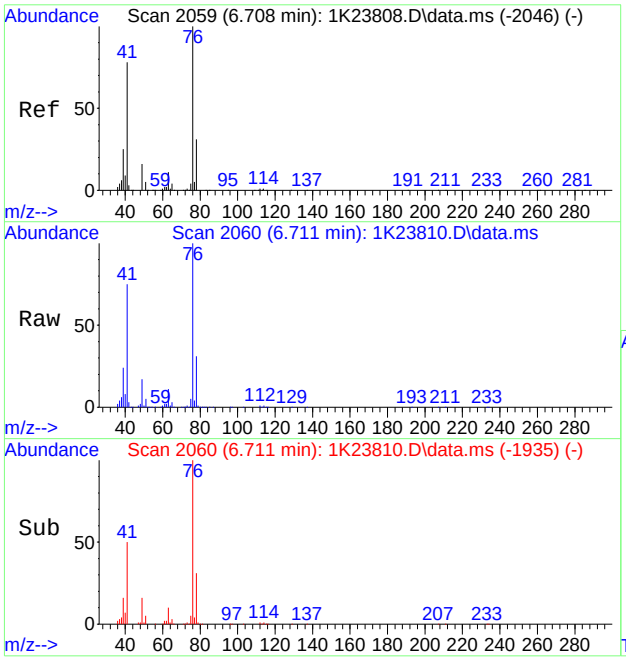


#79
2-hexanone
Concen: 395.12 ug/L
RT: 6.907 min Scan# 2121
Delta R.T. 0.000 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 58 Resp: 1698547

Ion	Ratio	Lower	Upper
58	100		
43	186.6	172.5	212.5
85	13.5	0.0	32.5
100	19.3	0.0	39.5

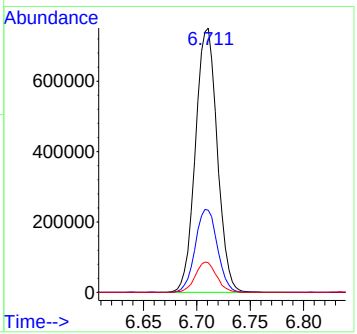


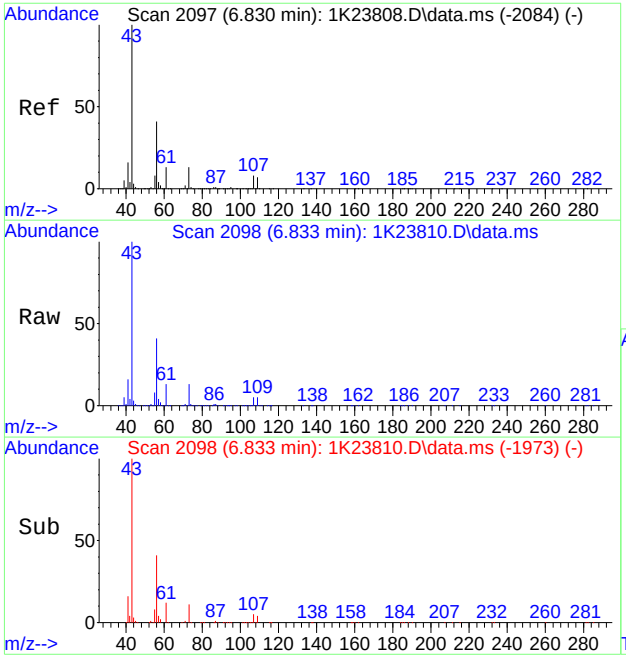


#80
1,3-dichloropropane
Concen: 104.31 ug/L
RT: 6.711 min Scan# 2060
Delta R.T. 0.003 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 76 Resp: 1066524

Ion	Ratio	Lower	Upper
76	100		
78	31.1	0.6	60.6
63	11.2	0.0	41.5

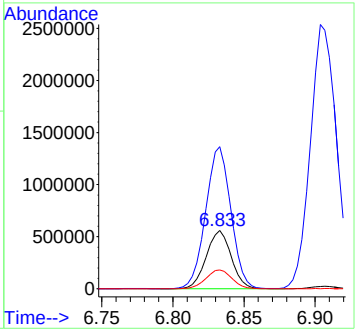


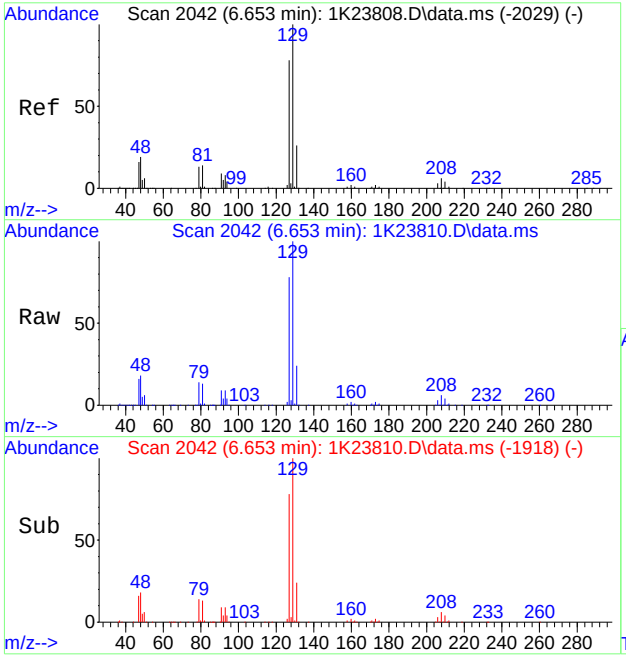


#81
butyl acetate
Concen: 97.65 ug/L
RT: 6.833 min Scan# 2098
Delta R.T. 0.003 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 56 Resp: 682333

Ion	Ratio	Lower	Upper
56	100		
43	243.6	215.3	275.3
73	32.2	2.2	62.2

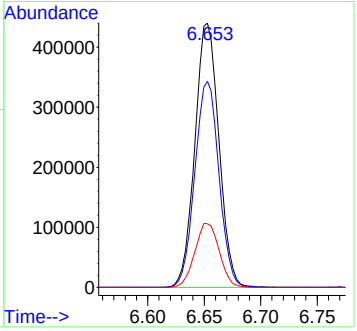


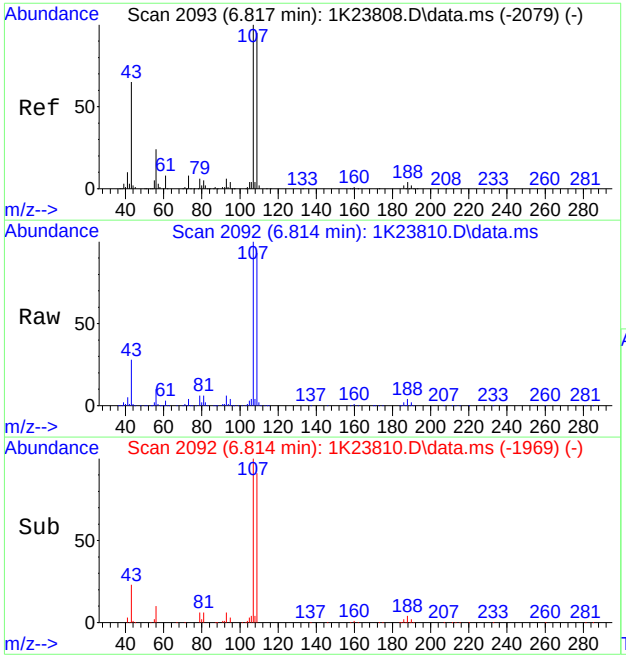


#82
dibromochloromethane
Concen: 100.35 ug/L
RT: 6.653 min Scan# 2042
Delta R.T. 0.000 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion:129 Resp: 649773

Ion	Ratio	Lower	Upper
129	100		
127	77.9	47.8	107.8
131	24.1	0.0	55.8

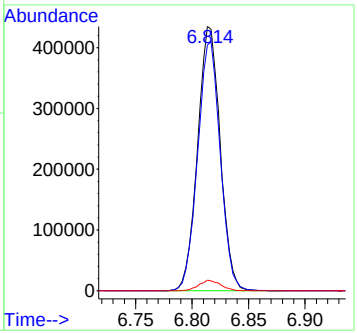


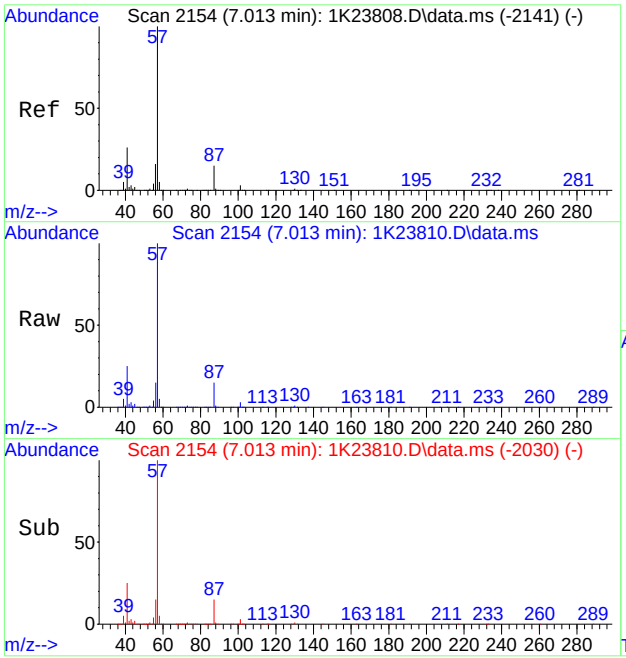


#83
1,2-dibromoethane
Concen: 104.89 ug/L
RT: 6.814 min Scan# 2092
Delta R.T. -0.003 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion:107 Resp: 603963

Ion	Ratio	Lower	Upper
107	100		
109	93.0	65.3	125.3
188	4.1	0.0	33.6

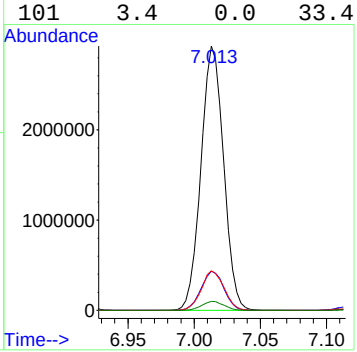


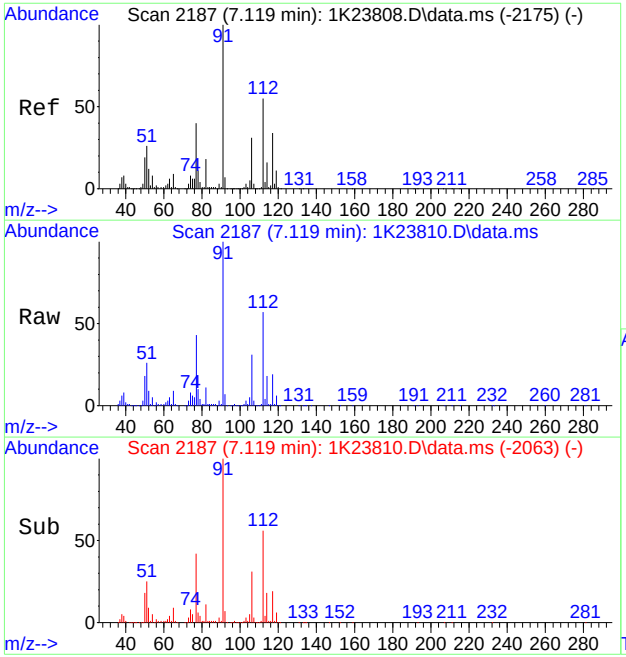


#84
n-butyl ether
Concen: 102.48 ug/L
RT: 7.013 min Scan# 2154
Delta R.T. 0.000 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 57 Resp: 3490857

Ion	Ratio	Lower	Upper
57	100		
56	14.8	0.0	45.7
87	14.9	0.0	44.9
101	3.4	0.0	33.4

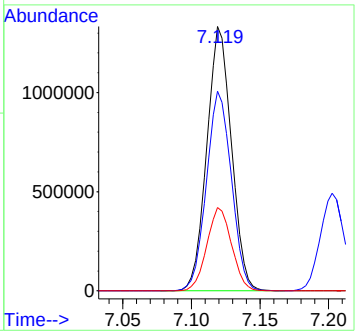


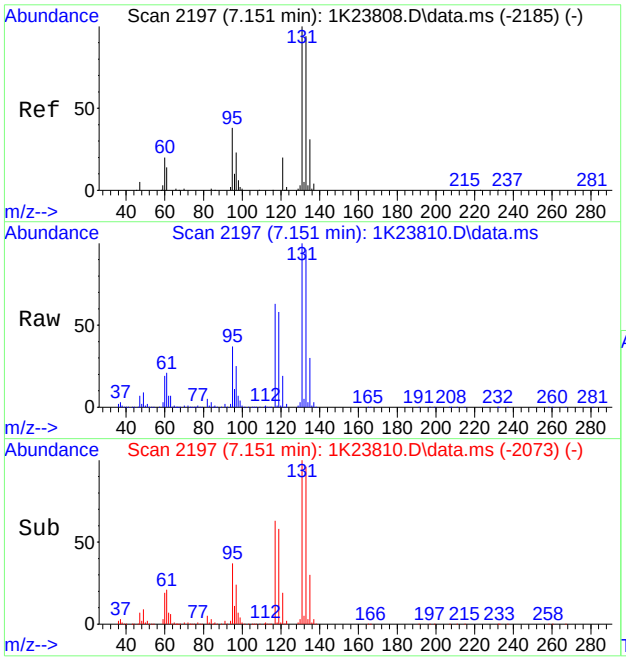


#85
chlorobenzene
Concen: 98.62 ug/L
RT: 7.119 min Scan# 2187
Delta R.T. 0.000 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion:112 Resp: 1663286

Ion	Ratio	Lower	Upper
112	100		
77	75.5	43.7	103.7
114	31.5	0.0	59.8

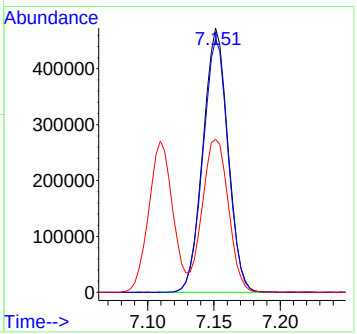


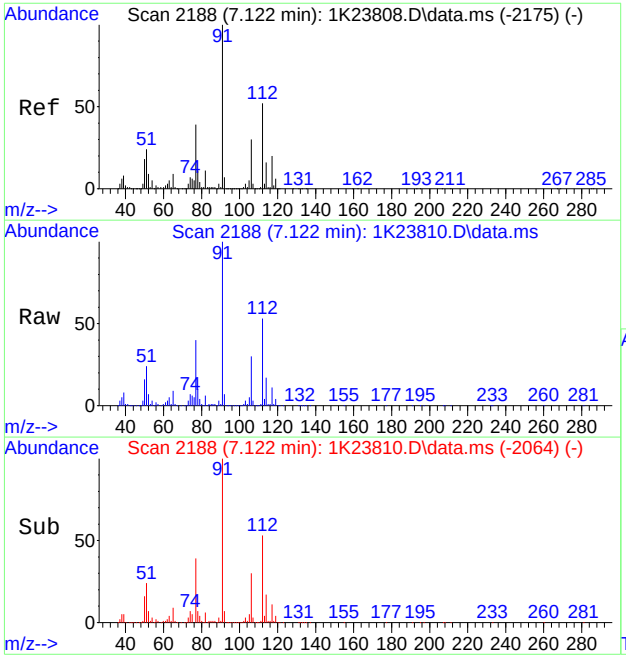


#86
1,1,1,2-tetrachloroethane
Concen: 100.51 ug/L
RT: 7.151 min Scan# 2197
Delta R.T. 0.000 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion:131 Resp: 621373

Ion	Ratio	Lower	Upper
131	100		
133	95.7	64.3	124.3
119	57.8	27.7	87.7

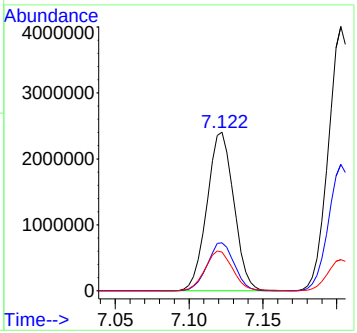


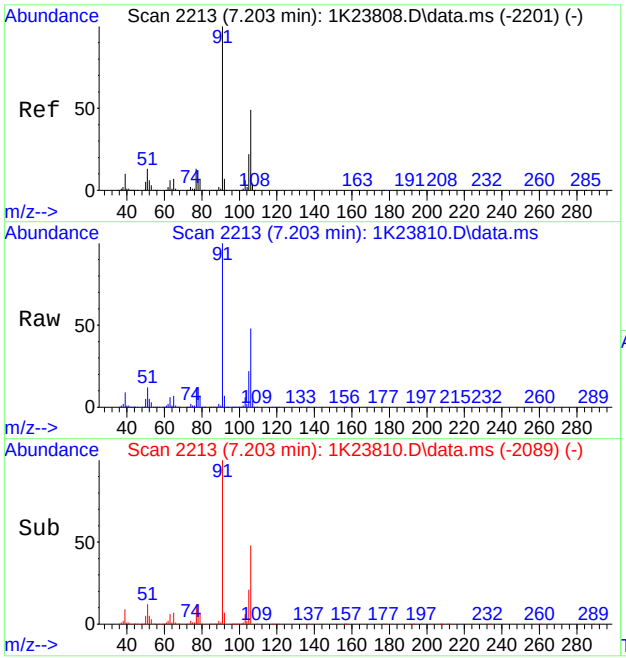


#87
ethylbenzene
Concen: 97.60 ug/L
RT: 7.122 min Scan# 2188
Delta R.T. 0.000 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 91 Resp: 3027786

Ion	Ratio	Lower	Upper
91	100		
106	30.3	0.3	60.3
51	24.4	0.0	54.3

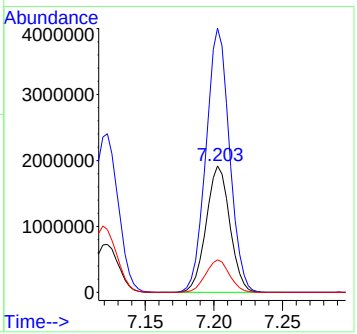


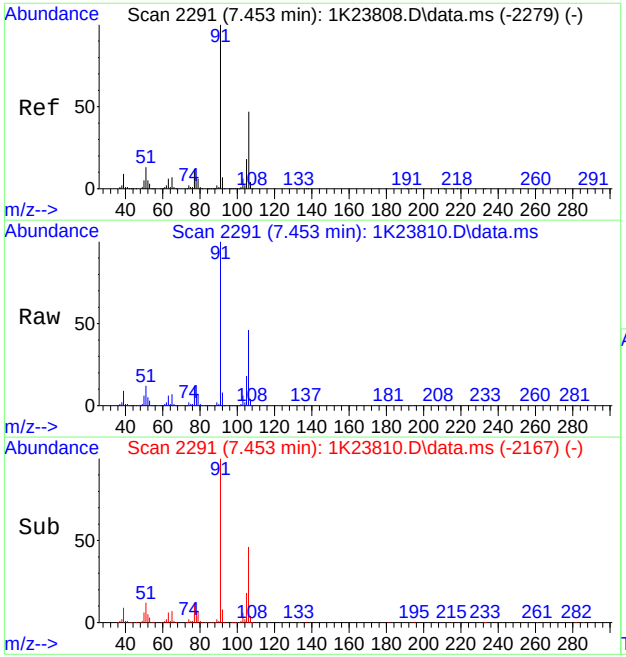


#88
m,p-xylene
Concen: 198.56 ug/L
RT: 7.203 min Scan# 2213
Delta R.T. 0.000 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion:106 Resp: 2304221

Ion	Ratio	Lower	Upper
106	100		
91	208.9	176.0	236.0
77	25.7	5.9	45.9

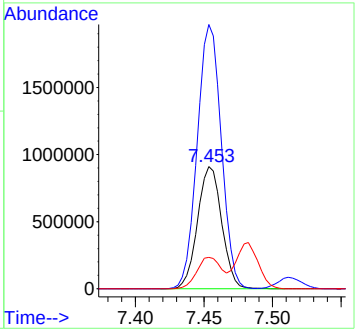


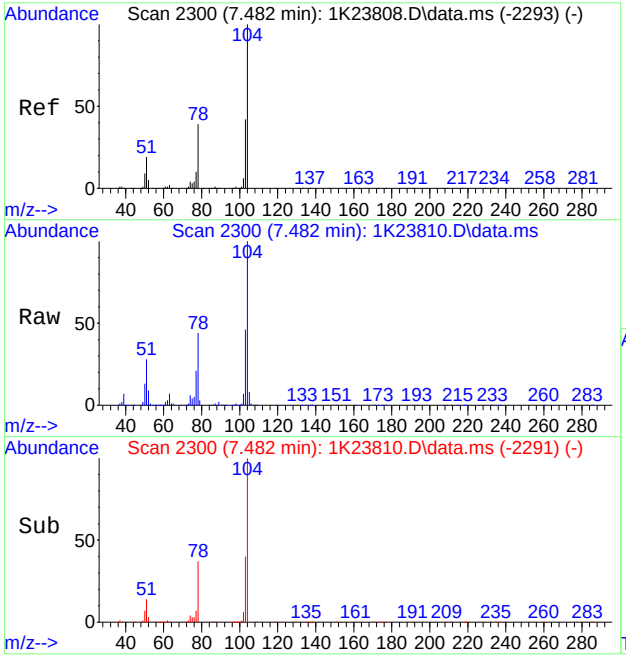


#89
o-xylene
Concen: 100.69 ug/L
RT: 7.453 min Scan# 2291
Delta R.T. 0.000 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion:106 Resp: 1115625

Ion	Ratio	Lower	Upper
106	100		
91	216.2	183.9	243.9
77	25.7	5.0	45.0

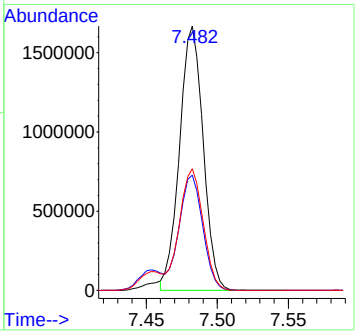


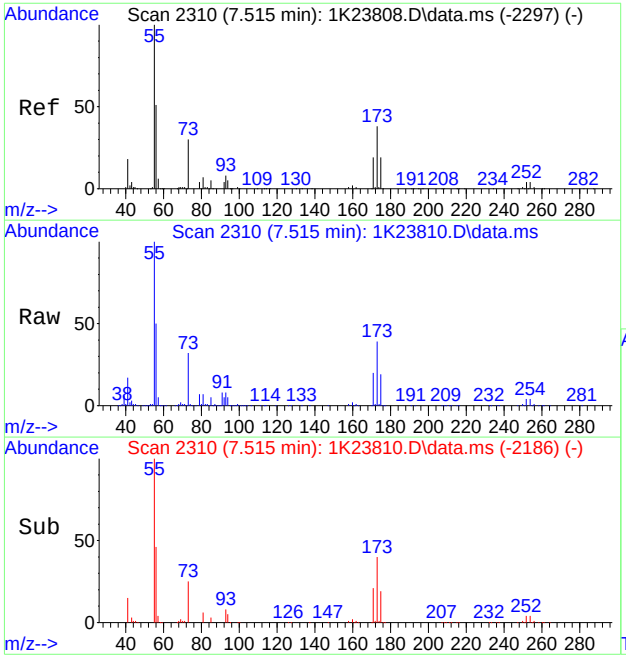


#90
styrene
Concen: 103.47 ug/L
RT: 7.482 min Scan# 2300
Delta R.T. 0.000 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion:104 Resp: 1924862

Ion	Ratio	Lower	Upper
104	100		
78	43.6	13.8	73.8
103	46.0	16.3	76.3

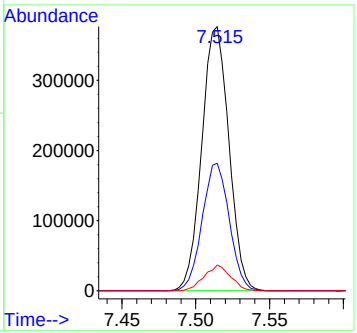


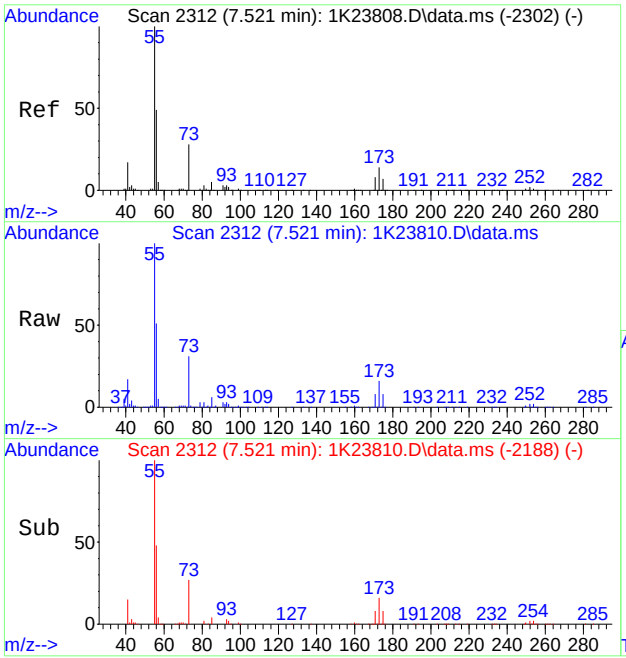


#91
bromoform
Concen: 104.91 ug/L
RT: 7.515 min Scan# 2310
Delta R.T. 0.000 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion:173 Resp: 480253

Ion	Ratio	Lower	Upper
173	100		
175	48.2	20.6	80.6
254	9.8	0.0	39.4

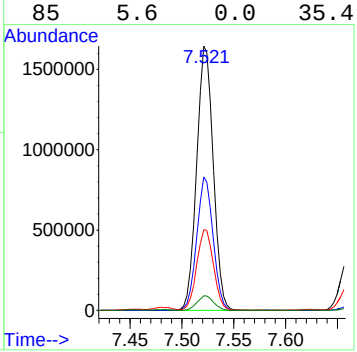


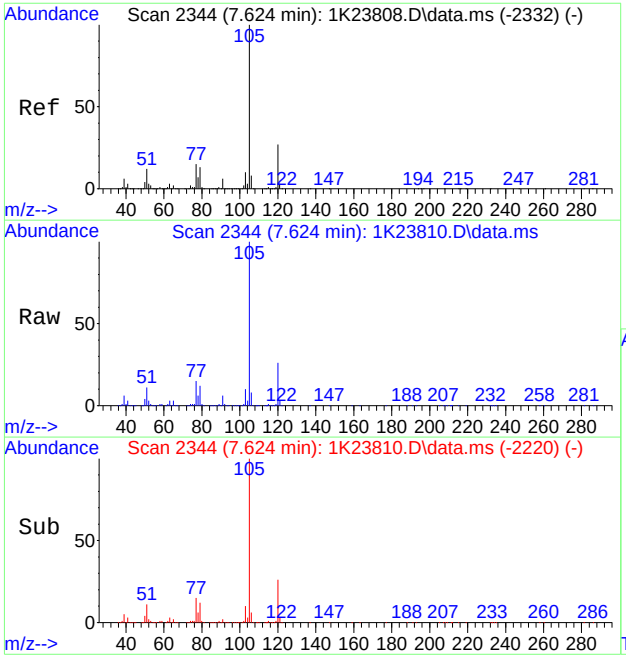


#92
butyl acrylate
Concen: 101.87 ug/L
RT: 7.521 min Scan# 2312
Delta R.T. 0.000 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 55 Resp: 1838755

Ion	Ratio	Lower	Upper
55	100		
56	50.5	19.2	79.2
73	30.5	0.0	59.1
85	5.6	0.0	35.4

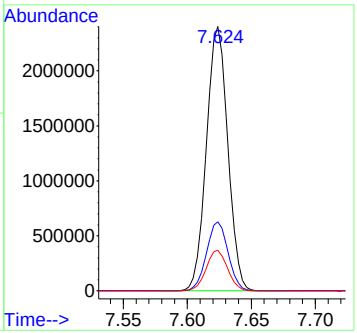


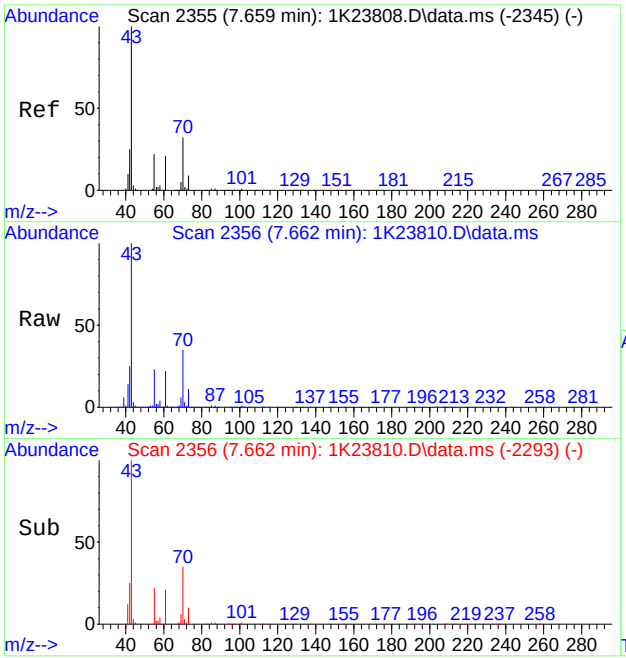


#93
isopropylbenzene
Concen: 102.23 ug/L
RT: 7.624 min Scan# 2344
Delta R.T. 0.000 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion:105 Resp: 2797331

Ion	Ratio	Lower	Upper
105	100		
120	26.1	7.4	47.4
77	15.3	0.0	35.4

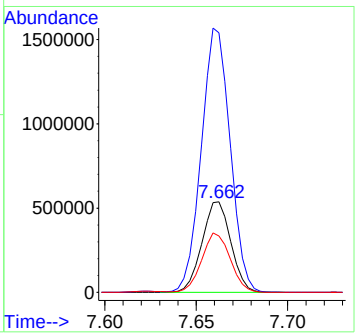


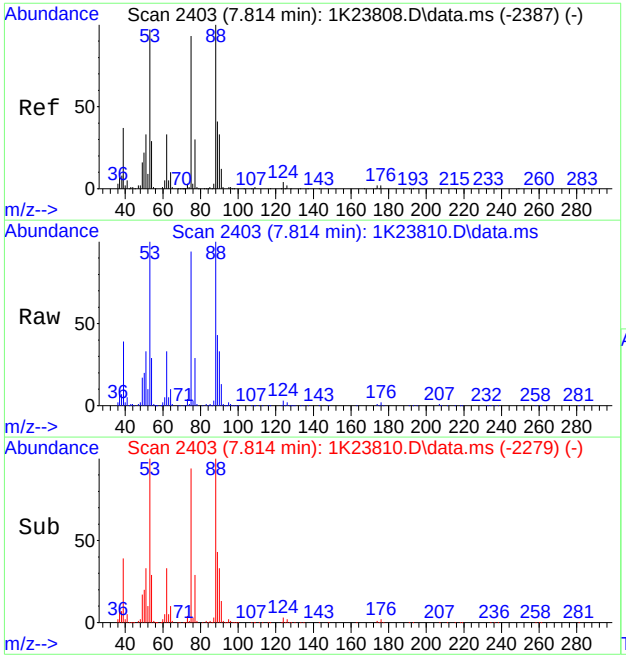


#94
n-amyl acetate
Concen: 99.88 ug/L
RT: 7.662 min Scan# 2356
Delta R.T. 0.003 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 70 Resp: 593782

Ion	Ratio	Lower	Upper
70	100		
43	286.1	293.9	333.9#
61	62.1	48.4	88.4

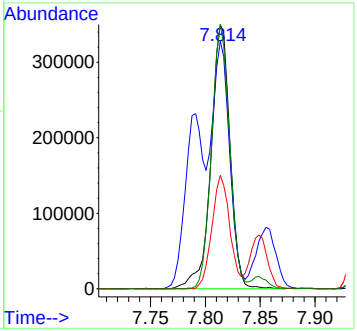


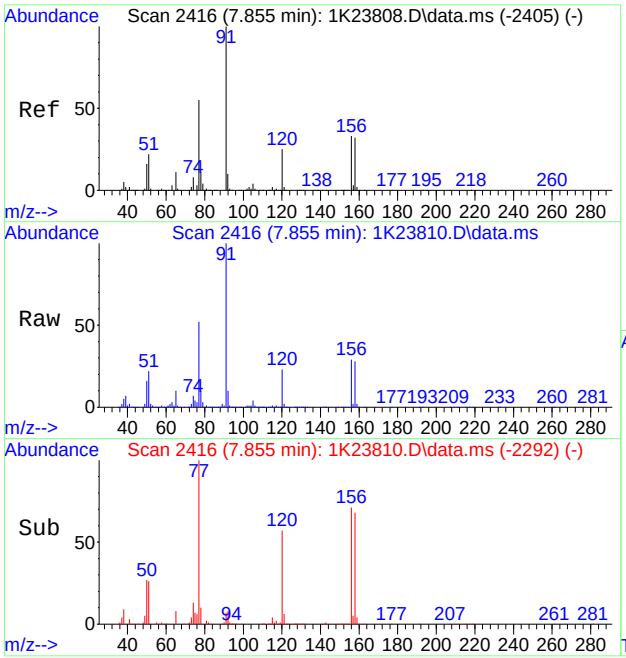


#95
cis-1,4-dichloro-2-butene
Concen: 101.62 ug/L
RT: 7.814 min Scan# 2403
Delta R.T. 0.000 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 88 Resp: 424933

Ion	Ratio	Lower	Upper
88	100		
75	93.5	72.9	112.9
89	42.9	20.6	60.6
53	99.9	76.9	116.9

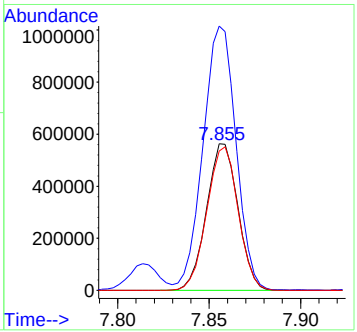


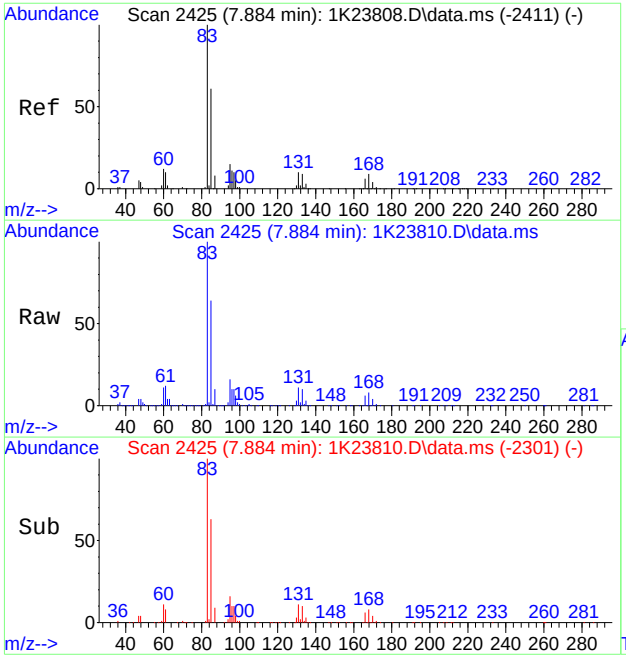


#98
bromobenzene
Concen: 100.72 ug/L
RT: 7.855 min Scan# 2416
Delta R.T. 0.000 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion:156 Resp: 674820

Ion	Ratio	Lower	Upper
156	100		
77	180.1	150.1	210.1
158	95.1	66.6	126.6

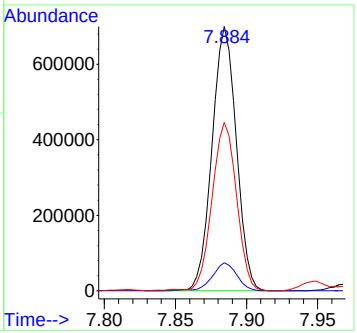


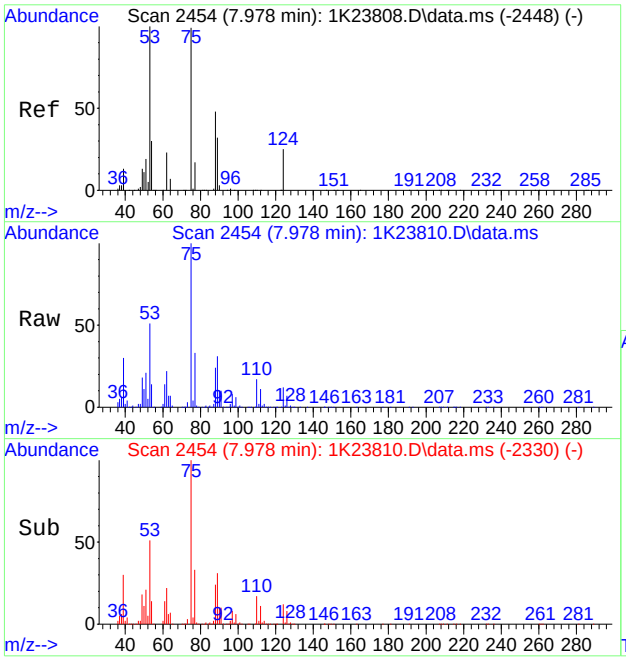


#99
1,1,2,2-tetrachloroethane
Concen: 99.43 ug/L
RT: 7.884 min Scan# 2425
Delta R.T. 0.000 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 83 Resp: 831787

Ion	Ratio	Lower	Upper
83	100		
131	10.7	0.0	40.0
85	63.6	31.1	91.1

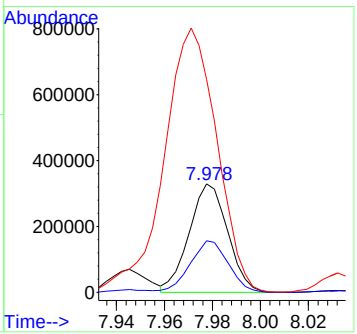


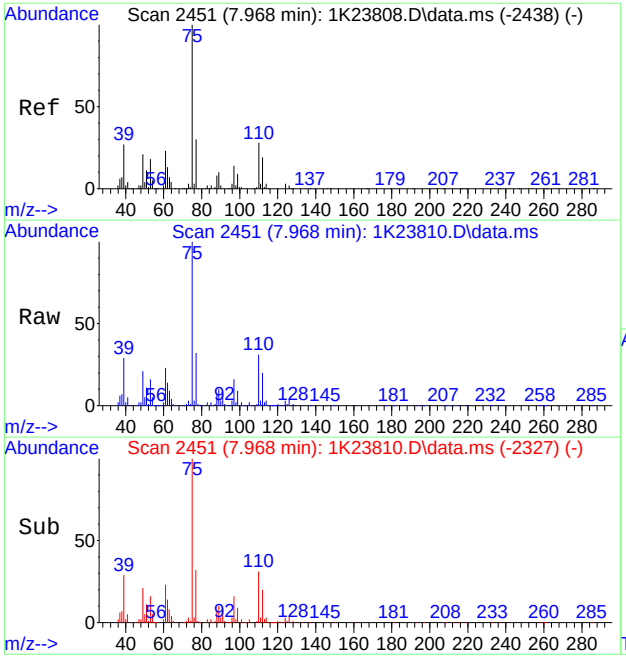


#100
trans-1,4-dichloro-2-butene
Concen: 97.27 ug/L
RT: 7.978 min Scan# 2454
Delta R.T. 0.000 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 53 Resp: 367394

Ion	Ratio	Lower	Upper
53	100		
88	47.5	17.1	77.1
75	196.1	162.2	222.2

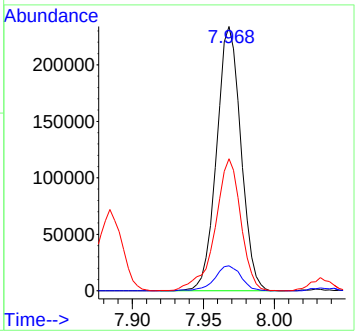


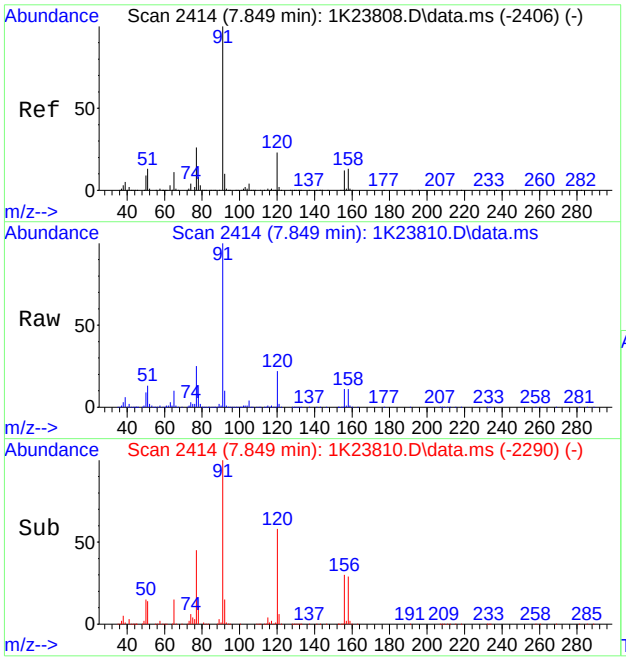


#101
1,2,3-trichloropropane
Concen: 99.27 ug/L
RT: 7.968 min Scan# 2451
Delta R.T. 0.000 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion:110 Resp: 278082

Ion	Ratio	Lower	Upper
110	100		
111	9.5	0.0	39.1
97	49.9	20.8	80.8

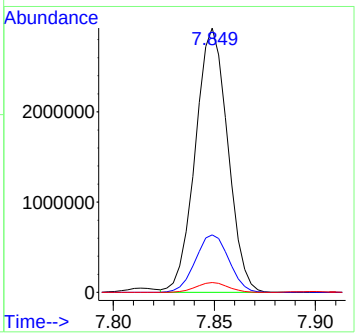


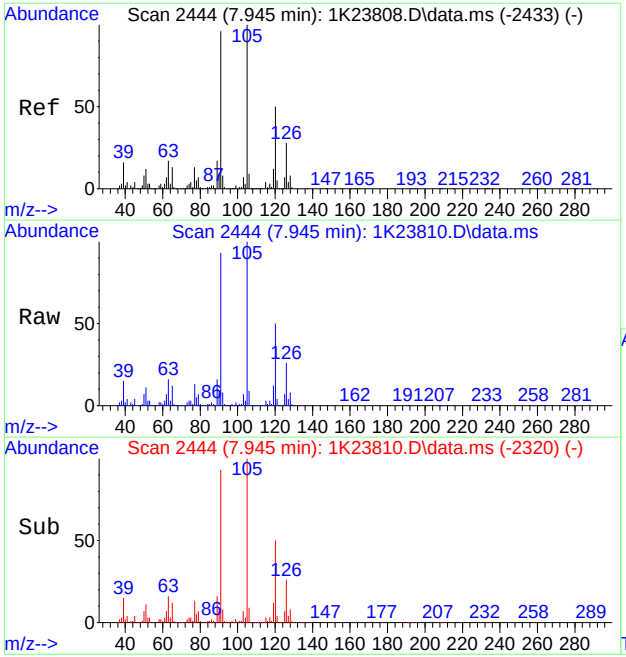


#102
n-propylbenzene
Concen: 105.83 ug/L
RT: 7.849 min Scan# 2414
Delta R.T. 0.000 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 91 Resp: 3251798

Ion	Ratio	Lower	Upper
91	100		
120	21.8	0.0	52.5
105	3.8	0.0	33.5

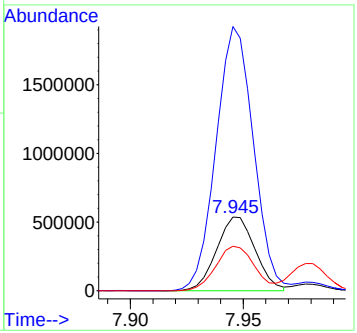


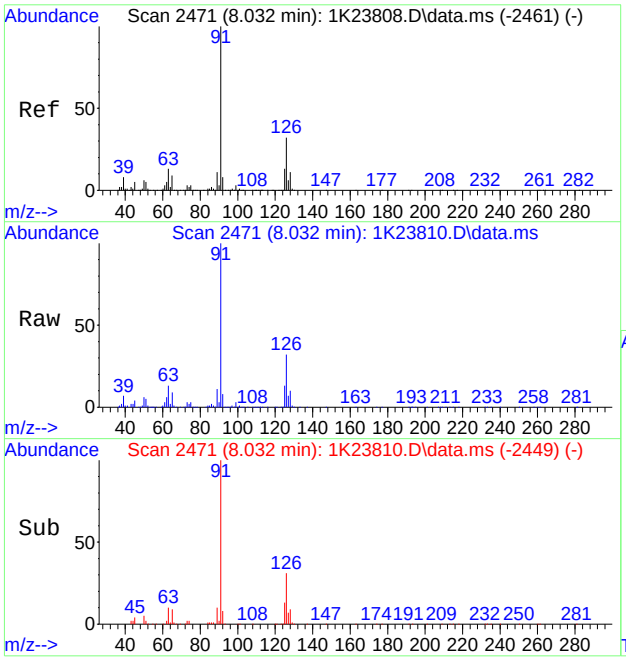


#103
2-chlorotoluene
Concen: 100.85 ug/L
RT: 7.945 min Scan# 2444
Delta R.T. 0.000 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion:126 Resp: 637274

Ion	Ratio	Lower	Upper
126	100		
91	358.9	316.4	376.4
89	60.7	33.0	93.0

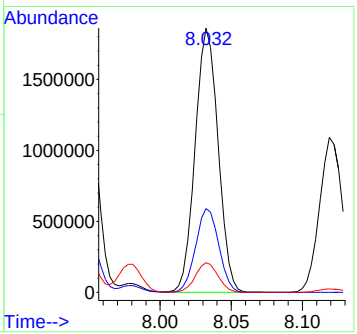


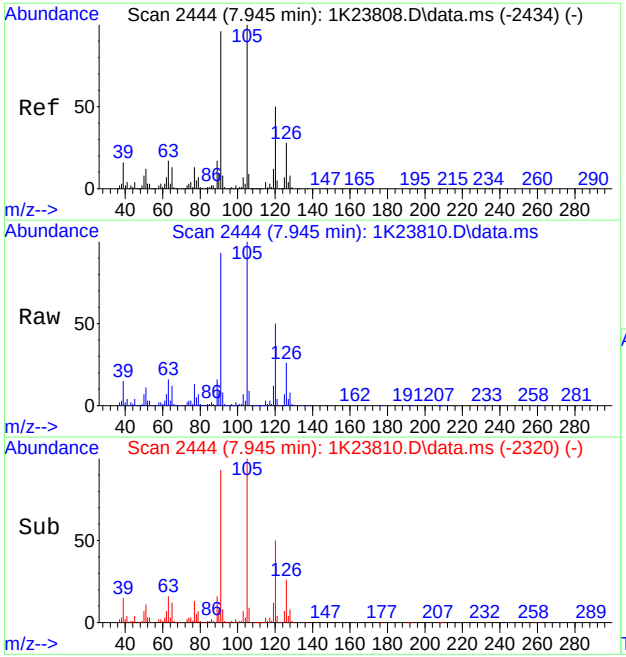


#104
4-chlorotoluene
Concen: 102.88 ug/L
RT: 8.032 min Scan# 2471
Delta R.T. 0.000 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 91 Resp: 2086399

Ion	Ratio	Lower	Upper
91	100		
126	31.7	2.1	62.1
89	11.3	0.0	41.4

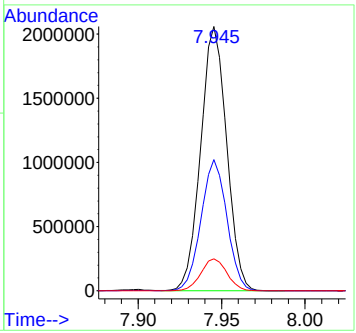


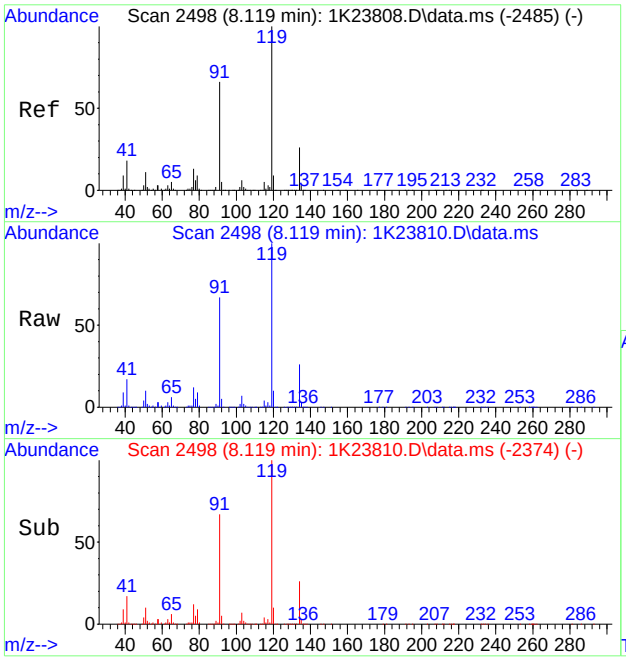


#105
1,3,5-trimethylbenzene
Concen: 105.88 ug/L
RT: 7.945 min Scan# 2444
Delta R.T. 0.000 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion:105 Resp: 2226087

Ion	Ratio	Lower	Upper
105	100		
120	49.6	20.0	80.0
119	12.1	0.0	41.7

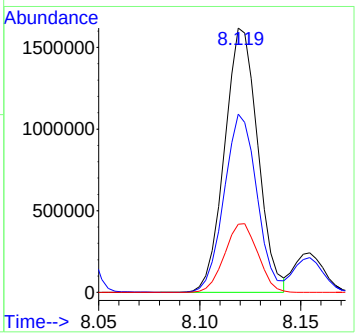


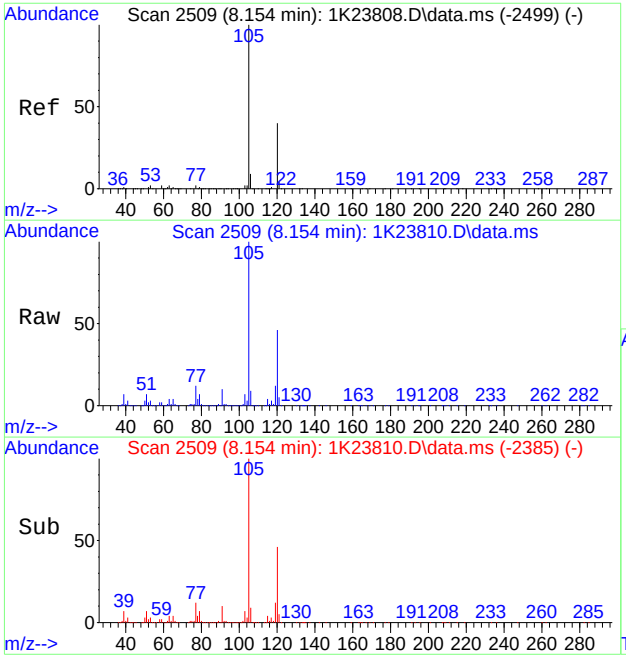


#106
tert-butylbenzene
Concen: 101.62 ug/L
RT: 8.119 min Scan# 2498
Delta R.T. 0.000 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion:119 Resp: 1848241

Ion	Ratio	Lower	Upper
119	100		
91	67.3	36.3	96.3
134	25.8	0.0	56.2

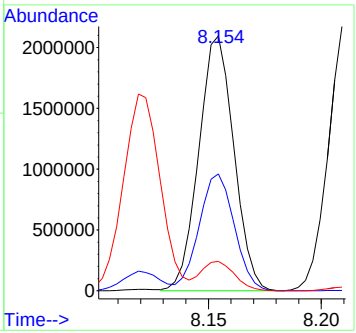


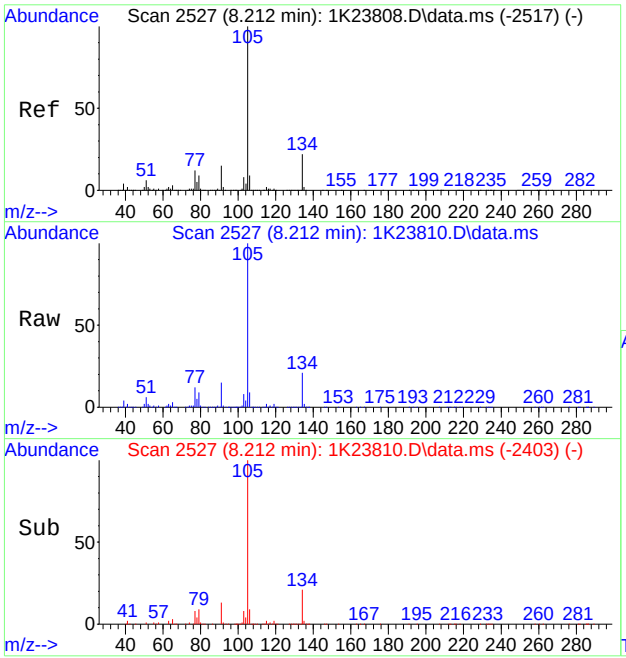


#107
1,2,4-trimethylbenzene
Concen: 103.42 ug/L
RT: 8.154 min Scan# 2509
Delta R.T. 0.000 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion:105 Resp: 2261551

Ion	Ratio	Lower	Upper
105	100		
120	45.9	17.1	77.1
119	11.6	0.0	42.1

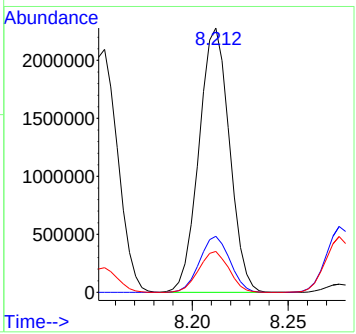


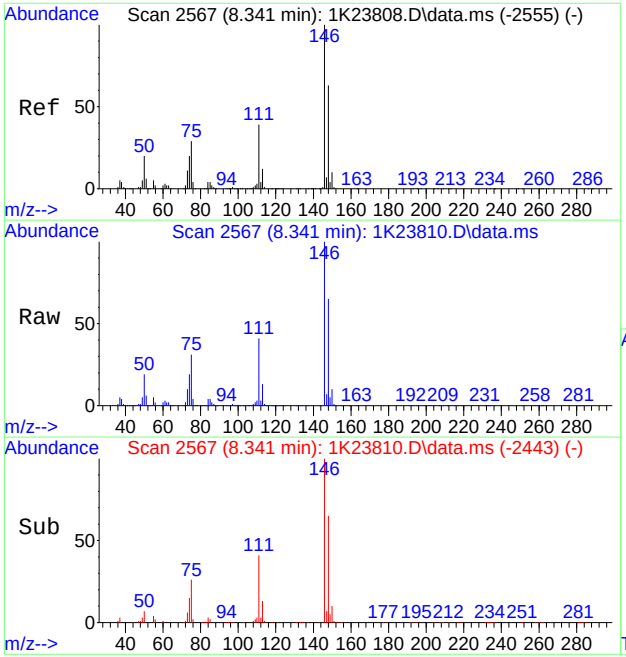


#108
sec-butylbenzene
Concen: 104.33 ug/L
RT: 8.212 min Scan# 2527
Delta R.T. 0.000 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion:105 Resp: 2524700

Ion	Ratio	Lower	Upper
105	100		
134	21.2	0.0	51.5
91	15.4	0.0	45.0

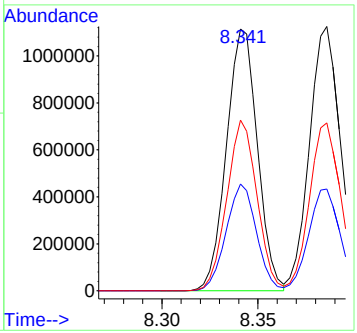


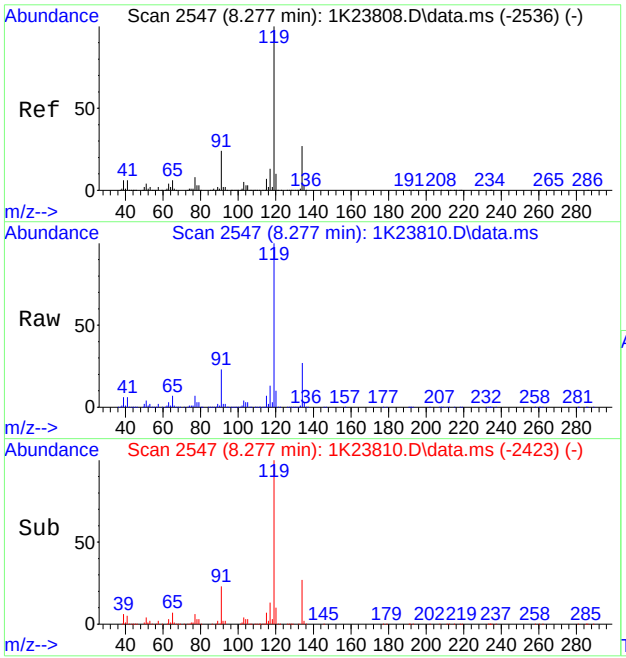


#109
1,3-dichlorobenzene
Concen: 102.86 ug/L
RT: 8.341 min Scan# 2567
Delta R.T. 0.000 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion:146 Resp: 1253119

Ion	Ratio	Lower	Upper
146	100		
111	40.8	8.9	68.9
148	65.2	32.9	92.9

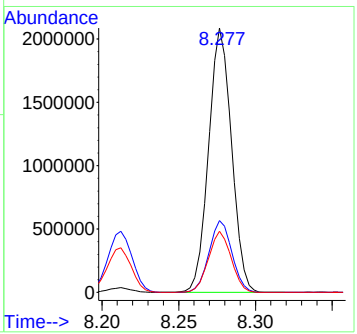


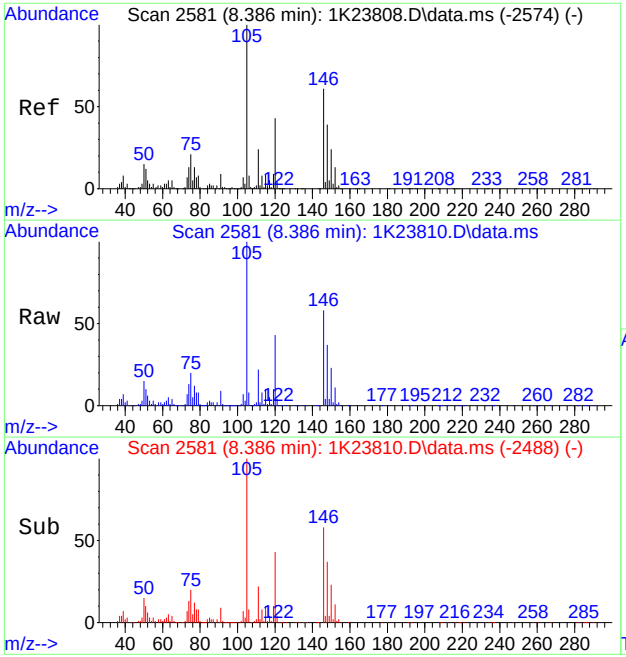


#110
p-isopropyltoluene
Concen: 102.93 ug/L
RT: 8.277 min Scan# 2547
Delta R.T. 0.000 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion:119 Resp: 2166582

Ion	Ratio	Lower	Upper
119	100		
134	27.2	0.0	56.8
91	23.1	0.0	53.8

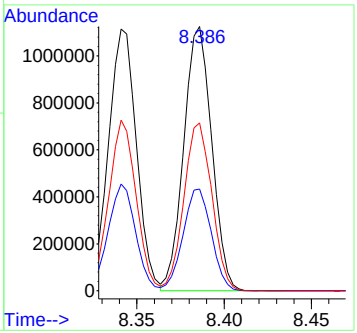


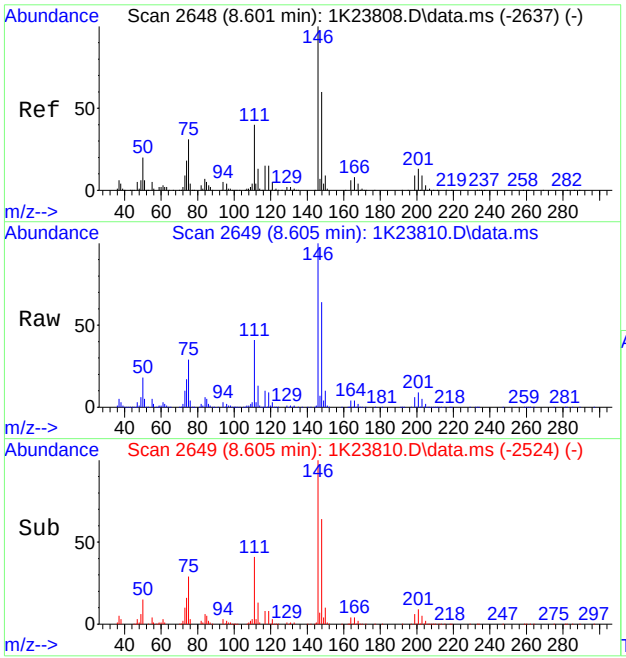


#111
1,4-dichlorobenzene
Concen: 99.08 ug/L
RT: 8.386 min Scan# 2581
Delta R.T. 0.000 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion:146 Resp: 1257977

Ion	Ratio	Lower	Upper
146	100		
111	38.5	9.1	69.1
148	63.5	33.9	93.9

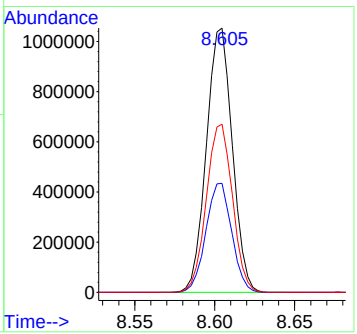


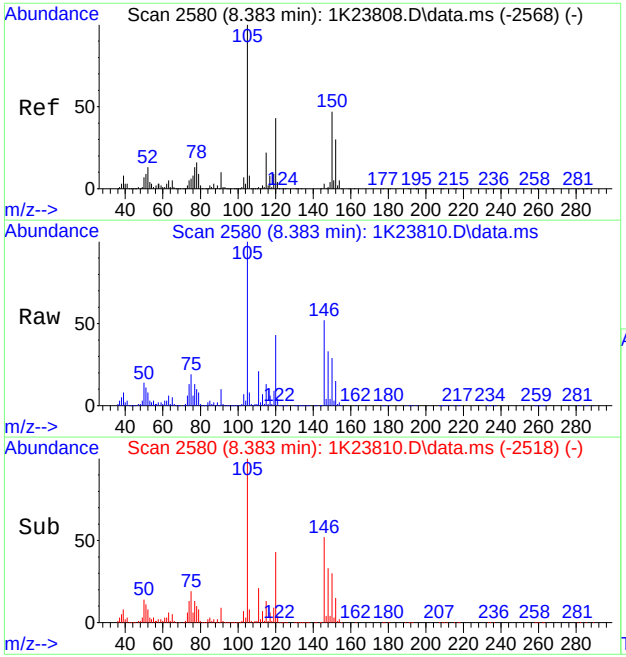


#112
1,2-dichlorobenzene
Concen: 102.16 ug/L
RT: 8.605 min Scan# 2649
Delta R.T. 0.003 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion:146 Resp: 1190424

Ion	Ratio	Lower	Upper
146	100		
111	41.3	9.9	69.9
148	63.6	30.0	90.0

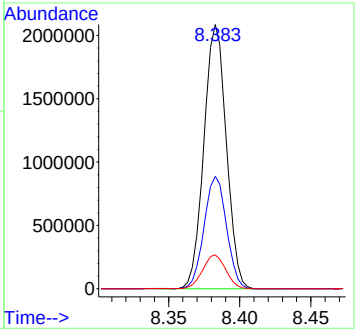


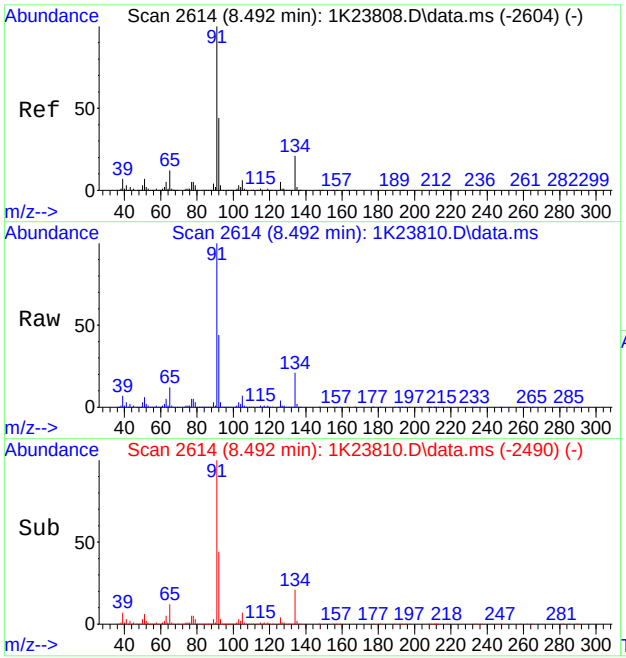


#113
1,2,3-trimethylbenzene
Concen: 101.35 ug/L
RT: 8.383 min Scan# 2580
Delta R.T. 0.000 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion:105 Resp: 2291250

Ion	Ratio	Lower	Upper
105	100		
120	42.5	12.7	72.7
77	12.8	0.0	43.6

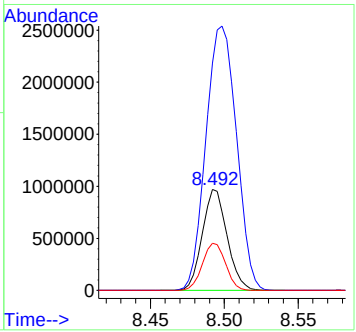


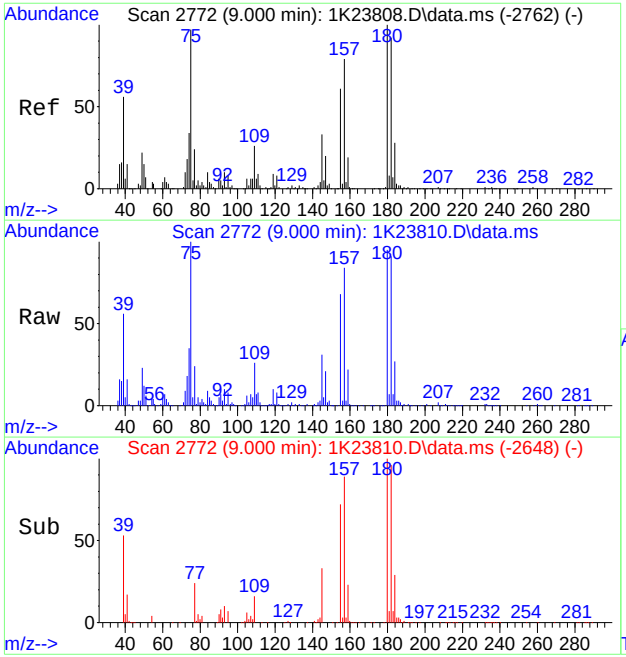


#114
n-butylbenzene
Concen: 99.96 ug/L
RT: 8.492 min Scan# 2614
Delta R.T. 0.000 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion: 92 Resp: 1127918

Ion	Ratio	Lower	Upper
92	100		
91	225.3	199.3	259.3
134	46.6	17.7	77.7

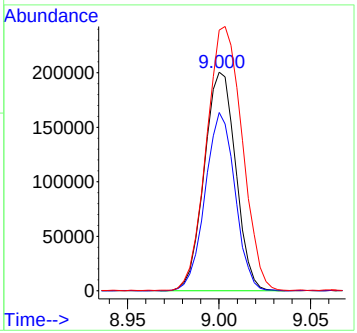


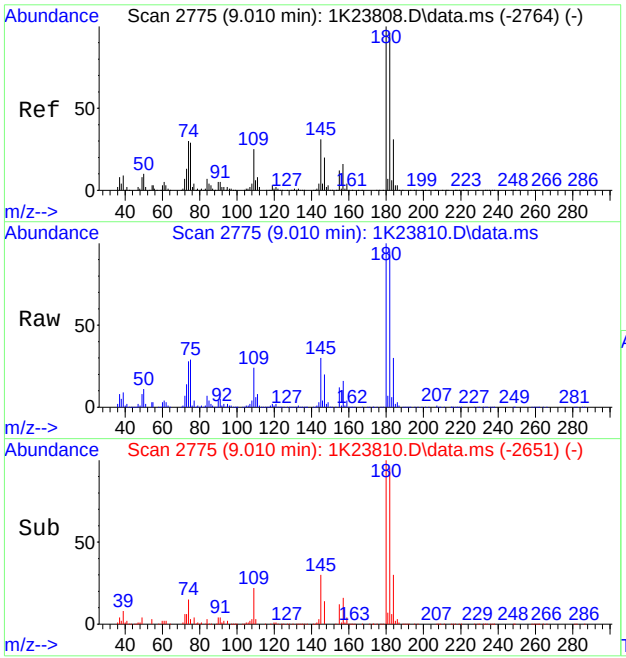


#115
1,2-dibromo-3-chloropropane
Concen: 102.15 ug/L
RT: 9.000 min Scan# 2772
Delta R.T. 0.000 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion:157 Resp: 240073

Ion	Ratio	Lower	Upper
157	100		
155	81.5	47.8	107.8
75	118.9	92.6	152.6

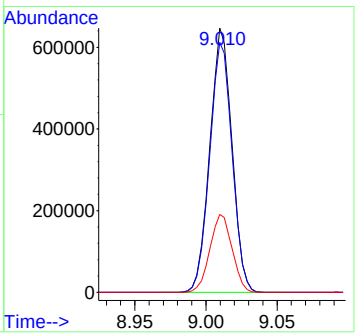


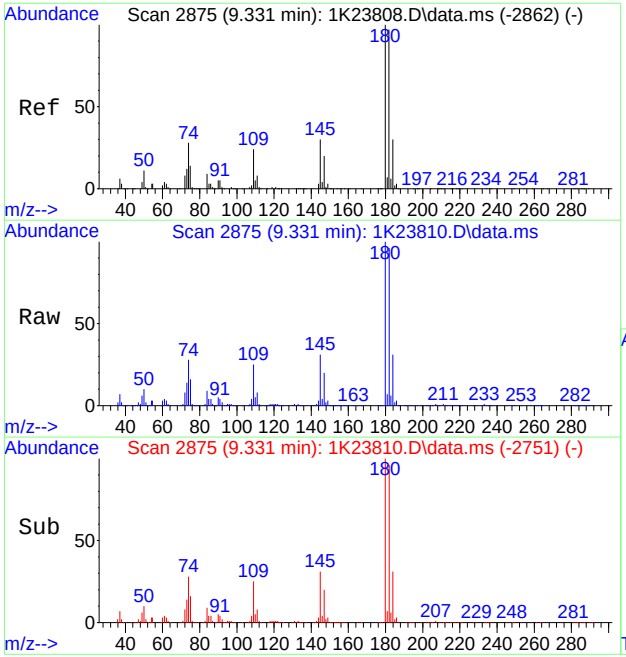


#116
1,3,5-trichlorobenzene
Concen: 101.24 ug/L
RT: 9.010 min Scan# 2775
Delta R.T. 0.000 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion:180 Resp: 701086

Ion	Ratio	Lower	Upper
180	100		
182	94.5	76.0	116.0
184	29.5	11.0	51.0

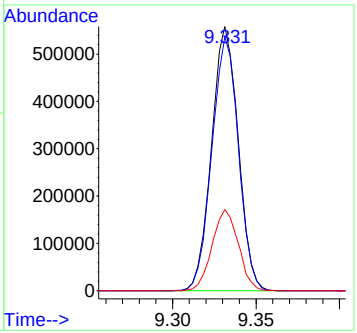


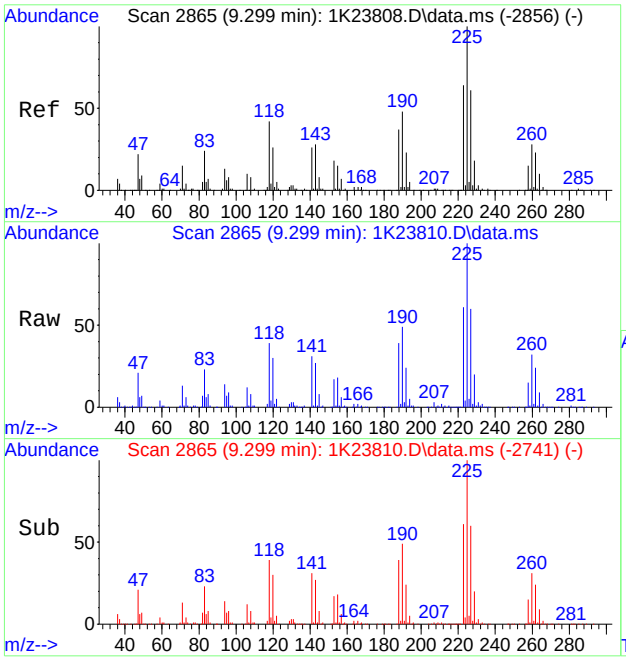


#117
1,2,4-trichlorobenzene
Concen: 100.47 ug/L
RT: 9.331 min Scan# 2875
Delta R.T. 0.000 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion:180 Resp: 620360

Ion	Ratio	Lower	Upper
180	100		
182	96.0	67.0	127.0
184	30.7	0.2	60.2

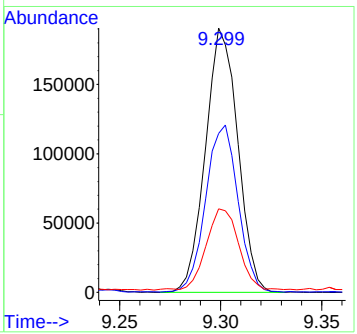


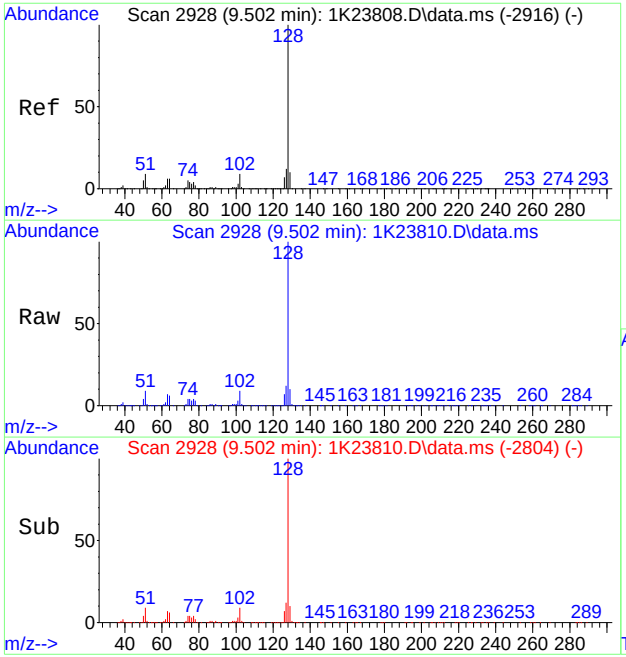


#118
hexachlorobutadiene
Concen: 96.80 ug/L
RT: 9.299 min Scan# 2865
Delta R.T. 0.000 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion:225 Resp: 212127

Ion	Ratio	Lower	Upper
225	100		
227	60.0	31.7	91.7
260	30.5	0.0	58.9

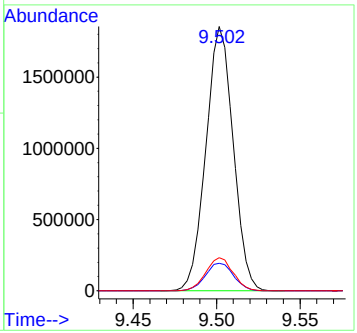


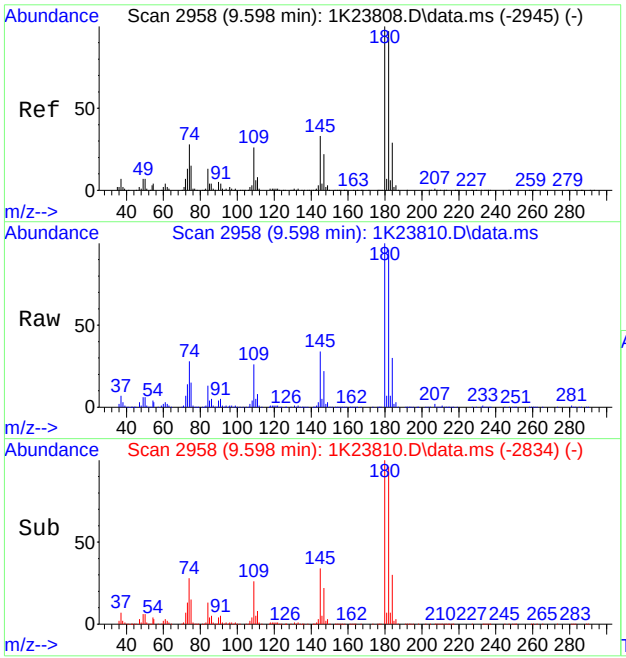


#119
naphthalene
Concen: 105.37 ug/L
RT: 9.502 min Scan# 2928
Delta R.T. 0.000 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion:128 Resp: 2103851

Ion	Ratio	Lower	Upper
128	100		
129	10.4	0.0	40.4
127	12.5	0.0	42.3

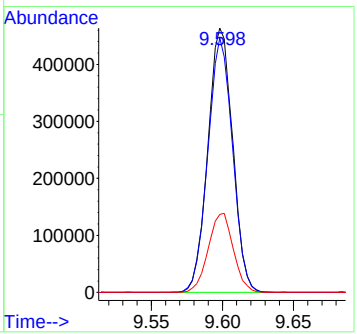


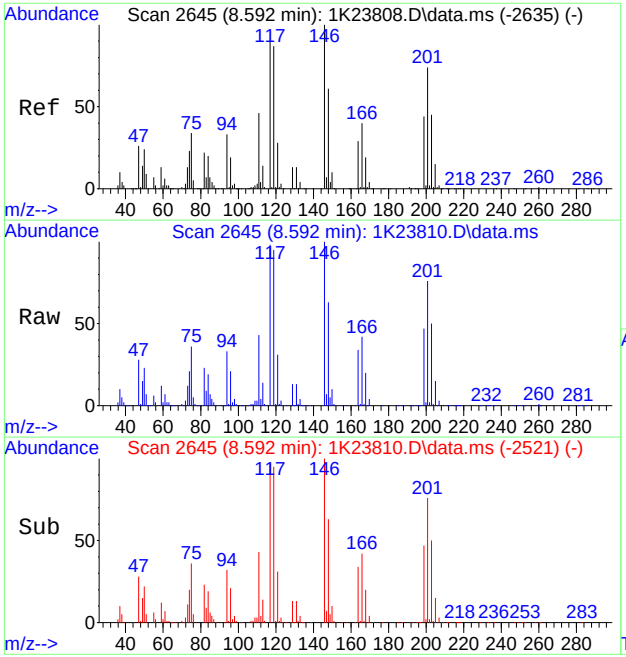


#120
1,2,3-trichlorobenzene
Concen: 104.37 ug/L
RT: 9.598 min Scan# 2958
Delta R.T. 0.000 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion:180 Resp: 564310

Ion	Ratio	Lower	Upper
180	100		
182	96.3	66.8	126.8
184	29.5	0.0	59.3

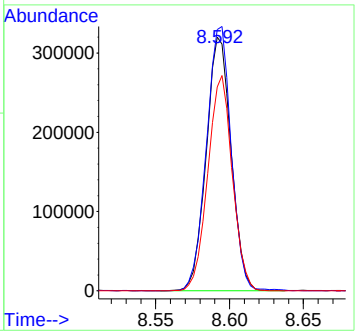


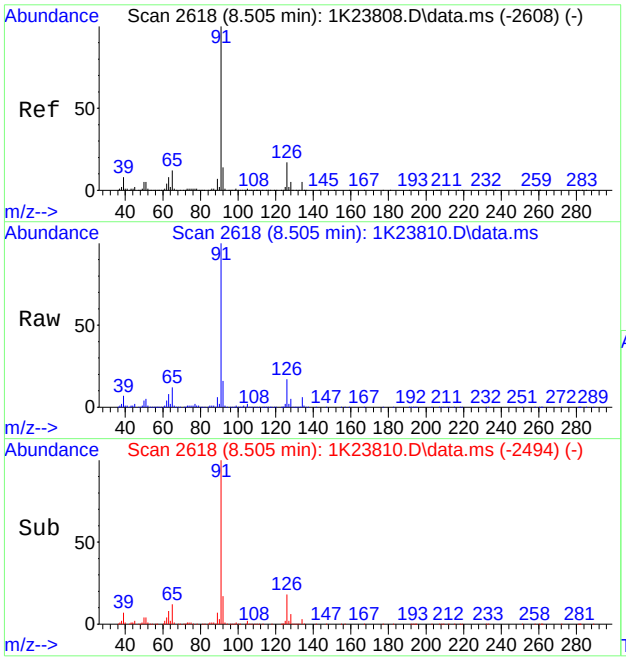


#121
hexachloroethane
Concen: 97.20 ug/L
RT: 8.592 min Scan# 2645
Delta R.T. 0.000 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion:119 Resp: 374532

Ion	Ratio	Lower	Upper
119	100		
117	102.9	74.2	134.2
201	80.4	55.5	115.5

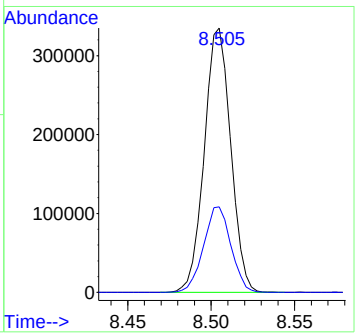


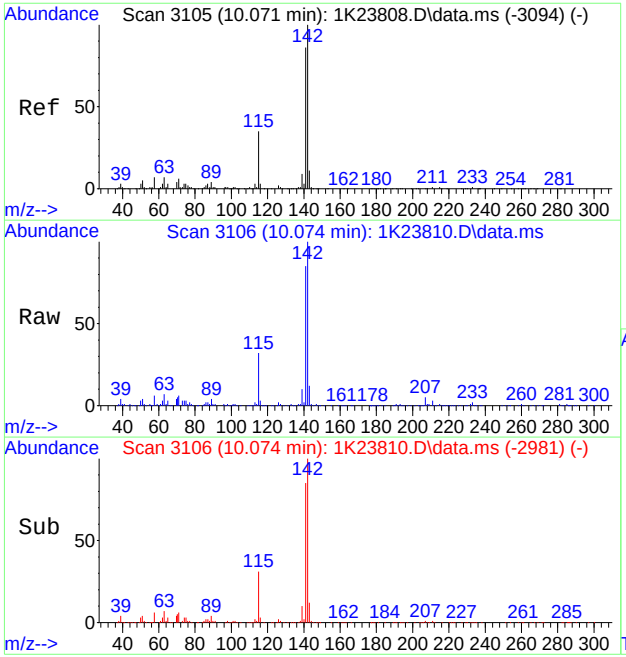


#122
benzyl chloride
Concen: 99.40 ug/L
RT: 8.505 min Scan# 2618
Delta R.T. 0.000 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion:126 Resp: 368608

Ion	Ratio	Lower	Upper
126	100		
128	32.4	0.0	59.1

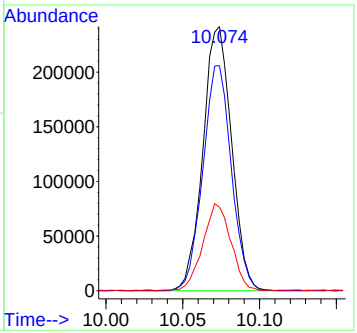




#123
2-methylnaphthalene
Concen: 39.51 ug/L
RT: 10.074 min Scan# 3106
Delta R.T. 0.003 min
Lab File: 1K23810.D
Acq: 6 Sep 2025 1:40 am

Tgt Ion:142 Resp: 314794

Ion	Ratio	Lower	Upper
142	100		
141	85.0	56.3	116.3
115	31.4	4.7	64.7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 1K23812.D
Acq On : 6 Sep 2025 2:14 am
Operator : PrashanS
Sample : IC658-200
Misc : MS95614,V1K658,5,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 08 11:42:02 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 11:40:17 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	3.489	65	413785	500.00	ug/L	0.00
5) pentafluorobenzene	4.807	168	871005	50.00	ug/L	0.00
50) 1,4-difluorobenzene	5.167	114	1424887	50.00	ug/L	0.00
72) chlorobenzene-d5	7.109	117	1125910	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	8.376	152	520006	50.00	ug/L	0.00
124) pentafluorobenzene(a)	4.807	168	871005	50.00	ug/L	0.00
128) 1,4-dichlorobenzene-d4(a)	8.376	152	520006	50.00	ug/L	0.00
System Monitoring Compounds						
42) dibromofluoromethane (s)	4.524	113	374713	50.59	ug/L	0.00
Spiked Amount 50.000	Range 75 - 127		Recovery = 101.18%			
51) 1,2-dichloroethane-d4 (s)	4.878	65	457283	45.55	ug/L	0.00
Spiked Amount 50.000	Range 75 - 130		Recovery = 91.10%			
73) toluene-d8 (s)	6.119	98	1610521	51.26	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 102.52%			
97) 4-bromofluorobenzene (s)	7.791	95	562225	51.00	ug/L	0.00
Spiked Amount 50.000	Range 79 - 127		Recovery = 102.00%			
Target Compounds						Qvalue
2) ethanol	2.820	45	1157030	20519.9617	ug/L	97
3) tertiary butyl alcohol	3.544	59	957595	919.6688	ug/L	80
4) 1,4-dioxane	5.672	88	207468	5102.3836	ug/L	91
6) chlorodifluoromethane	1.750	51	2253861	181.2671	ug/L	99
7) dichlorodifluoromethane	1.711	85	1686538	187.5739	ug/L	98
8) chloromethane	1.891	50	1870384	181.0618	ug/L	99
9) vinyl chloride	1.962	62	1755301	206.7923	ug/L	100
10) 1,3-butadiene	1.978	39	1574615	179.5629	ug/L	96
11) bromomethane	2.245	96	617056	250.3266	ug/L #	94
12) chloroethane	2.354	64	955947	198.0388	ug/L	98
13) trichlorofluoromethane	2.476	101	2353445	197.2333	ug/L	98
14) ethyl ether	2.721	74	821821	209.2108	ug/L	91
15) acrolein	3.142	56	384242	205.3120	ug/L	90
16) freon 113	2.917	151	1032341	206.7912	ug/L	96
17) 1,1-dichloroethene	2.894	61	2182177	195.4204	ug/L	99
18) acetone	3.351	58	716662	850.6203	ug/L	95
19) acetonitrile	3.688	41	2341964	2111.9034	ug/L	98
20) iodomethane	3.016	142	1361894	264.3241	ug/L	95
21) carbon disulfide	2.933	76	3790710	207.5413	ug/L	98
22) methylene chloride	3.328	84	1233061	198.0166	ug/L	89
23) methyl acetate	3.434	74	319862	224.6826	ug/L	97
24) methyl tert butyl ether	3.505	73	4176866	201.7822	ug/L	93
25) trans-1,2-dichloroethene	3.444	96	1297352	197.2155	ug/L	99
26) hexane	3.495	57	3260500	197.0903	ug/L	95
27) di-isopropyl ether	3.759	45	5452863	195.7244	ug/L	98
28) ethyl tert-butyl ether	4.004	59	5009206	203.2427	ug/L	100
29) 2-butanone	4.592	72	979883	915.7272	ug/L	98
30) 1,1-dichloroethane	3.875	63	2611832	199.3888	ug/L	98
31) chloroprene	3.856	53	2860246	198.2552	ug/L	97
32) acrylonitrile	3.904	52	707966	214.1622	ug/L	96
33) vinyl acetate	4.016	86	310204	192.4908	ug/L	99
34) ethyl acetate	4.454	70	210409	223.7112	ug/L	86
35) 2,2-dichloropropane	4.309	77	2035847	186.8367	ug/L	97
36) cis-1,2-dichloroethene	4.235	96	1329589	198.6153	ug/L	99
37) propionitrile	4.798	54	3065126	2137.1029	ug/L	96
38) methyl acrylate	4.470	85	297355	231.5554	ug/L #	91
39) bromochloromethane	4.370	128	565824	184.9996	ug/L	97
40) tetrahydrofuran	4.512	71	231185	200.8796	ug/L	93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 1K23812.D
Acq On : 6 Sep 2025 2:14 am
Operator : PrashanS
Sample : IC658-200
Misc : MS95614,V1K658,5,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 08 11:42:02 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 11:40:17 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) chloroform	4.402	83	2353880	186.0270 ug/L	98
43) methacrylonitrile	4.811	67	738907	189.4721 ug/L	90
44) 1,1,1-trichloroethane	4.557	97	2088286	193.8837 ug/L	99
45) cyclohexane	4.380	84	2002687	213.5791 ug/L	96
46) 1,1-dichloropropene	4.630	75	1955075	208.1677 ug/L	98
47) carbon tetrachloride	4.512	117	1860242	184.8476 ug/L	99
49) tert-amyl alcohol	4.942	55	355286	1093.2486 ug/L #	87
52) iso-octane	4.688	57	5096278	189.7970 ug/L	96
53) benzene	4.794	78	5413837	197.8654 ug/L	95
54) tert-amyl methyl ether	4.840	73	4416240	196.6754 ug/L	99
55) heptane	4.740	57	796427	195.2779 ug/L	97
56) isopropyl acetate	5.029	87	428883	213.0495 ug/L #	86
57) 1,2-dichloroethane	4.923	62	1940005	173.3075 ug/L	98
58) n-butyl alcohol	5.312	56	2216723	11884.7106 ug/L	94
59) ethyl acrylate	5.473	55	2683895	196.5729 ug/L	99
60) trichloroethene	5.164	130	1379236	201.2119 ug/L	96
61) 2-nitropropane	6.309	41	589251	176.0617 ug/L	91
62) 2-chloroethyl vinyl ether	5.923	63	4929837	1012.8016 ug/L	99
63) methyl methacrylate	5.614	100	484212	203.1611 ug/L	94
64) 1,2-dichloropropane	5.511	63	1459722	191.3145 ug/L	97
65) methylcyclohexane	5.167	98	974344	195.7734 ug/L	94
66) dibromomethane	5.447	93	786638	190.5894 ug/L	98
67) bromodichloromethane	5.540	83	1763348	188.9683 ug/L	97
68) epichlorohydrin	6.155	57	1083949	965.9469 ug/L	96
69) cis-1,3-dichloropropene	5.991	75	2254969	198.7224 ug/L	94
70) 4-methyl-2-pentanone	6.386	58	3286536	749.7956 ug/L	99
71) 3-methyl-1-butanol	6.216	70	873020	4497.4090 ug/L	96
74) toluene	6.158	92	3295767	194.8957 ug/L	94
75) ethyl methacrylate	6.492	69	2000828	202.4648 ug/L	93
76) trans-1,3-dichloropropene	6.421	75	2171538	198.5498 ug/L	98
77) 1,1,2-trichloroethane	6.531	83	983024	206.4547 ug/L	98
78) tetrachloroethene	6.421	166	1283112	195.2967 ug/L	98
79) 2-hexanone	6.907	58	3368907	754.5002 ug/L	97
80) 1,3-dichloropropane	6.708	76	2165255	202.6375 ug/L	97
81) butyl acetate	6.833	56	1359468	187.6167 ug/L	97
82) dibromochloromethane	6.653	129	1324373	196.5705 ug/L	99
83) 1,2-dibromoethane	6.814	107	1238474	205.5382 ug/L	98
84) n-butyl ether	7.013	57	7009899	197.3181 ug/L	98
85) chlorobenzene	7.119	112	3371433	192.4968 ug/L	99
86) 1,1,1,2-tetrachloroethane	7.151	131	1265837	196.7432 ug/L	98
87) ethylbenzene	7.122	91	6170341	191.8107 ug/L	98
88) m,p-xylene	7.203	106	4675281	387.6609 ug/L	98
89) o-xylene	7.454	106	2237732	194.0327 ug/L	97
90) styrene	7.482	104	3888840	200.2136 ug/L	99
91) bromoform	7.515	173	971265	202.8887 ug/L	97
92) butyl acrylate	7.524	55	3592166	190.9031 ug/L	98
93) isopropylbenzene	7.624	105	5702135	199.8540 ug/L	97
94) n-amyl acetate	7.663	70	1168173	188.9559 ug/L #	89
95) cis-1,4-dichloro-2-butene	7.814	88	819622	187.8431 ug/L	98
98) bromobenzene	7.859	156	1350772	195.3021 ug/L	97
99) 1,1,2,2-tetrachloroethane	7.884	83	1671350	193.8506 ug/L	97
100) trans-1,4-dichloro-2-b...	7.978	53	725778	186.9469 ug/L	92
101) 1,2,3-trichloropropane	7.968	110	557246	193.0876 ug/L	99
102) n-propylbenzene	7.849	91	6574033	206.1092 ug/L	99
103) 2-chlorotoluene	7.949	126	1273416	195.1844 ug/L	99
104) 4-chlorotoluene	8.032	91	4214915	200.8742 ug/L	98
105) 1,3,5-trimethylbenzene	7.945	105	4466740	204.6536 ug/L	98
106) tert-butylbenzene	8.119	119	3733392	198.6309 ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 1K23812.D
Acq On : 6 Sep 2025 2:14 am
Operator : PrashanS
Sample : IC658-200
Misc : MS95614,V1K658,5,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 08 11:42:02 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 11:40:17 2025
Response via : Initial Calibration

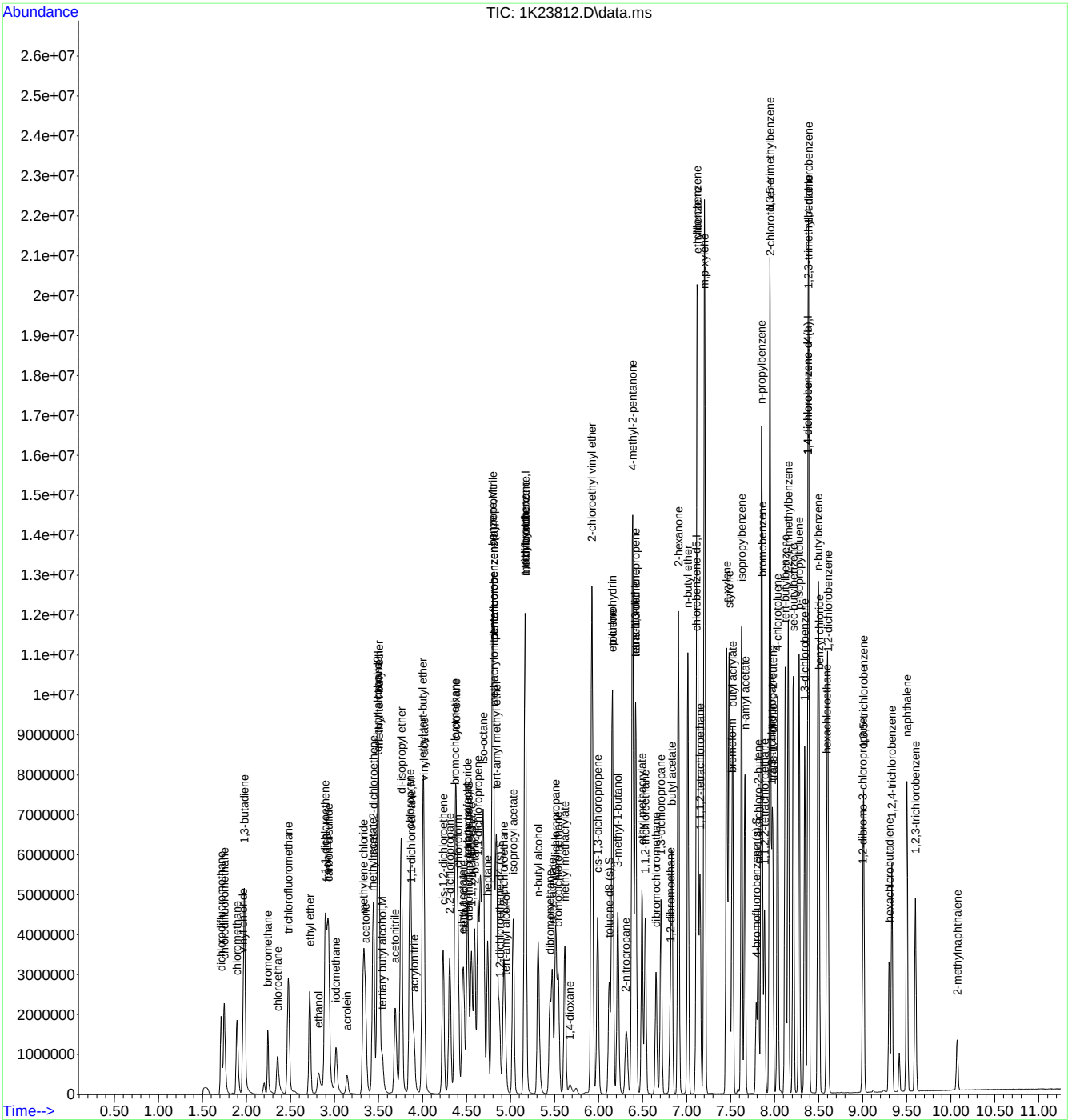
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
107) 1,2,4-trimethylbenzene	8.154	105	4624543	204.2716	ug/L	99
108) sec-butylbenzene	8.212	105	5191529	207.0124	ug/L	98
109) 1,3-dichlorobenzene	8.341	146	2545329	201.8664	ug/L	100
110) p-isopropyltoluene	8.277	119	4490337	206.0844	ug/L	98
111) 1,4-dichlorobenzene	8.386	146	2536240	193.9122	ug/L	99
112) 1,2-dichlorobenzene	8.605	146	2426730	201.3891	ug/L	98
113) 1,2,3-trimethylbenzene	8.383	105	4655987	199.3484	ug/L	98
114) n-butylbenzene	8.492	92	2318476	199.2387	ug/L	96
115) 1,2-dibromo-3-chloropr...	9.000	157	485175	199.5544	ug/L	92
116) 1,3,5-trichlorobenzene	9.010	180	1392149	194.6248	ug/L	97
117) 1,2,4-trichlorobenzene	9.331	180	1251042	196.3435	ug/L	96
118) hexachlorobutadiene	9.302	225	431202	191.8091	ug/L	98
119) naphthalene	9.502	128	4328403	208.7912	ug/L	99
120) 1,2,3-trichlorobenzene	9.598	180	1140789	203.4772	ug/L	98
121) hexachloroethane	8.592	119	766981	193.7698	ug/L	95
122) benzyl chloride	8.505	126	739404	193.4930	ug/L	93
123) 2-methylnaphthalene	10.074	142	514047	64.4942	ug/L	96

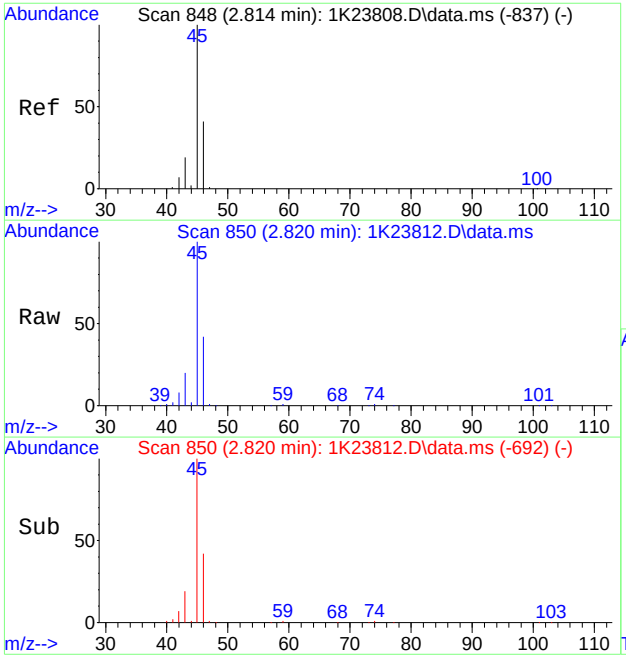
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 1K23812.D
Acq On : 6 Sep 2025 2:14 am
Operator : PrashanS
Sample : IC658-200
Misc : MS95614,V1K658,5,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 08 11:42:02 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 11:40:17 2025
Response via : Initial Calibration

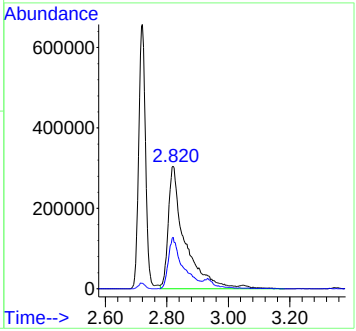


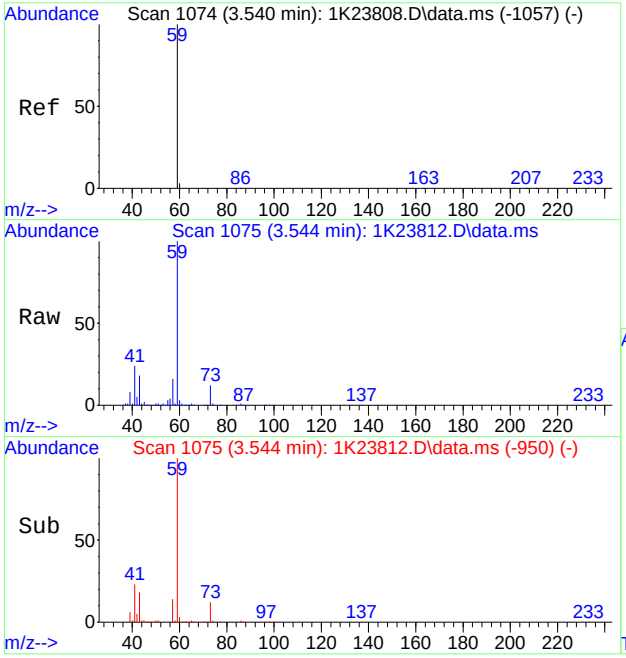


#2
ethanol
Concen: 20519.96 ug/L
RT: 2.820 min Scan# 850
Delta R.T. 0.006 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion: 45 Resp: 1157030

Ion	Ratio	Lower	Upper
45	100		
46	42.1	20.3	60.3

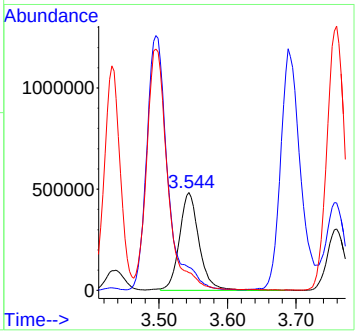


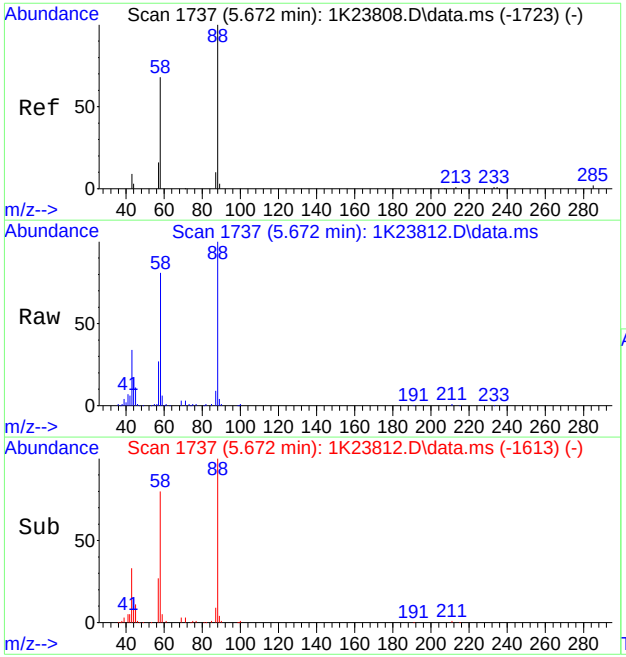


#3
tertiary butyl alcohol
Concen: 919.67 ug/L
RT: 3.544 min Scan# 1075
Delta R.T. 0.003 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion: 59 Resp: 957595

Ion	Ratio	Lower	Upper
59	100		
41	0.0	0.0	46.0
43	17.7	0.0	51.1

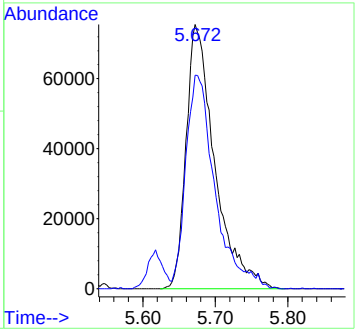


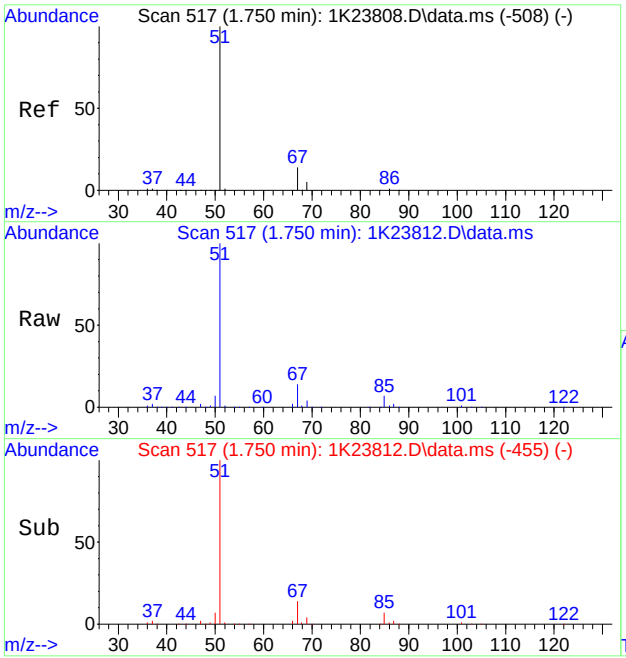


#4
1,4-dioxane
Concen: 5102.38 ug/L
RT: 5.672 min Scan# 1737
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion: 88 Resp: 207468

Ion	Ratio	Lower	Upper
88	100		
58	80.7	53.2	93.2

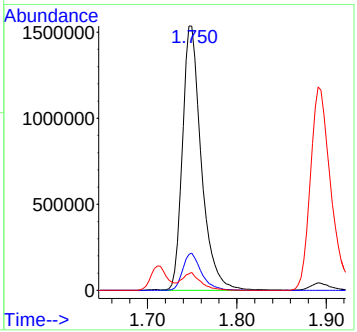


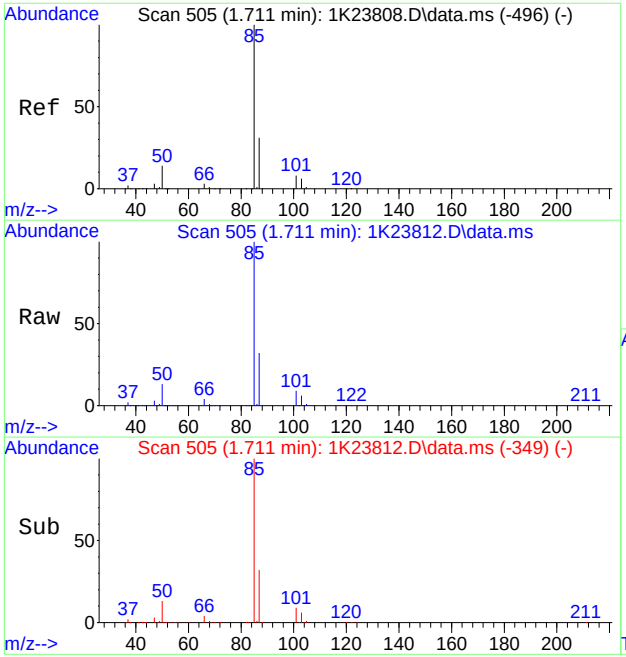


#6
chlorodifluoromethane
Concen: 181.27 ug/L
RT: 1.750 min Scan# 517
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion: 51 Resp: 2253861

Ion	Ratio	Lower	Upper
51	100		
67	14.1	0.0	44.3
50	6.8	0.0	36.5

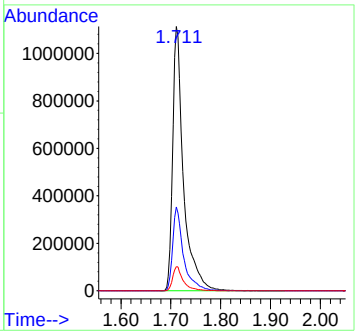


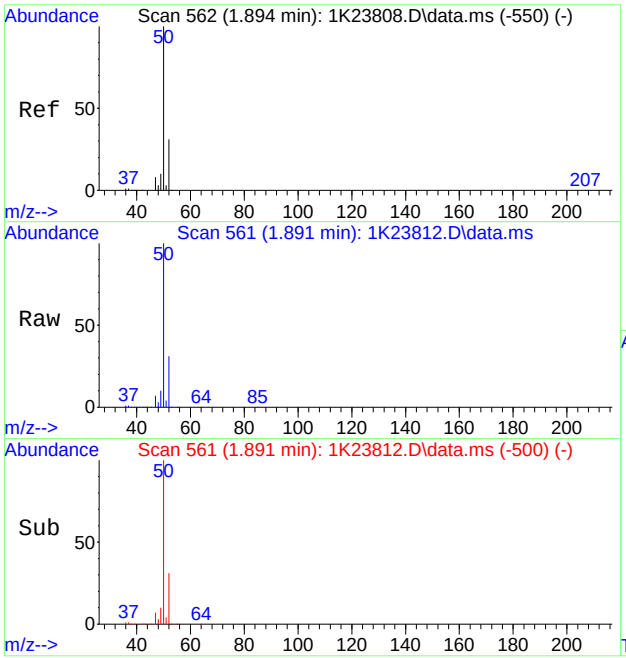


#7
dichlorodifluoromethane
Concen: 187.57 ug/L
RT: 1.711 min Scan# 505
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion: 85 Resp: 1686538

Ion	Ratio	Lower	Upper
85	100		
87	31.7	0.7	60.7
101	9.1	0.0	38.3

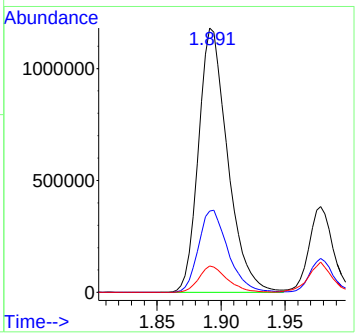


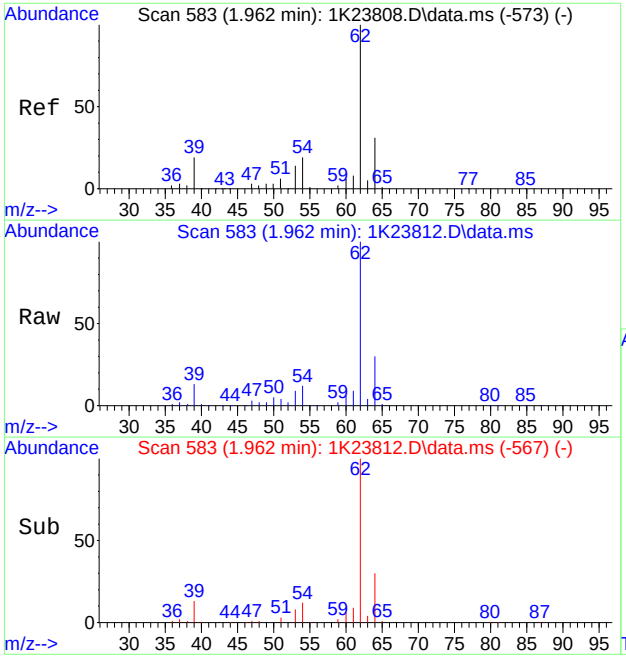


#8
chloromethane
Concen: 181.06 ug/L
RT: 1.891 min Scan# 561
Delta R.T. -0.003 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion: 50 Resp: 1870384

Ion	Ratio	Lower	Upper
50	100		
52	30.8	1.4	61.4
49	9.9	0.0	40.1

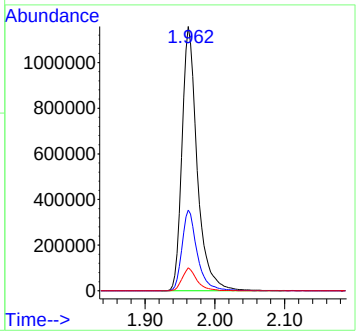


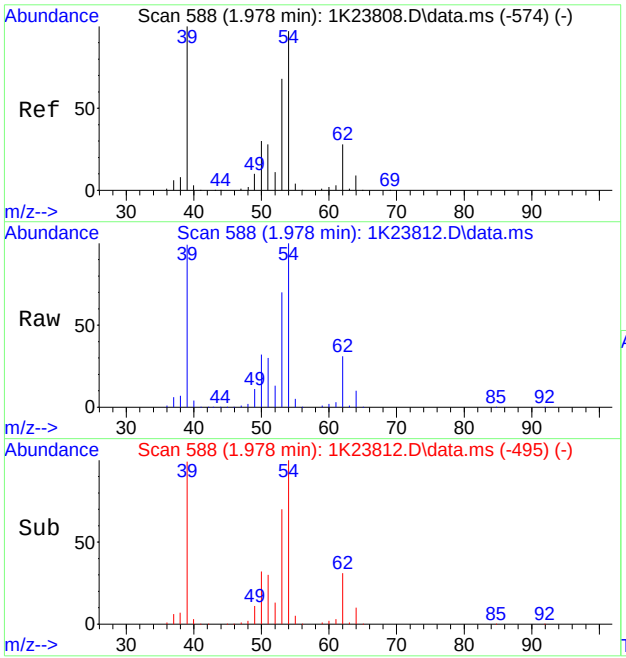


#9
vinyl chloride
Concen: 206.79 ug/L
RT: 1.962 min Scan# 583
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion: 62 Resp: 1755301

Ion	Ratio	Lower	Upper
62	100		
64	30.5	0.6	60.6
61	8.7	0.0	38.4

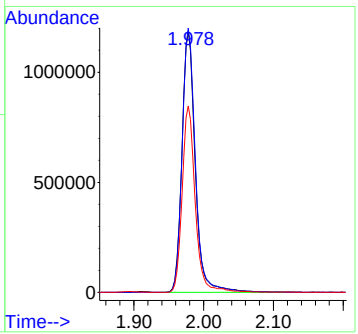


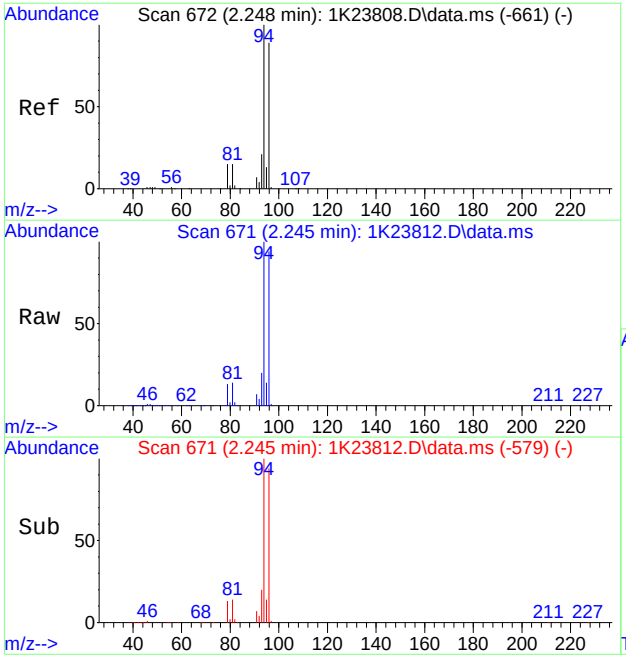


#10
1,3-butadiene
Concen: 179.56 ug/L
RT: 1.978 min Scan# 588
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion: 39 Resp: 1574615

Ion	Ratio	Lower	Upper
39	100		
54	101.3	67.0	127.0
53	71.4	38.5	98.5

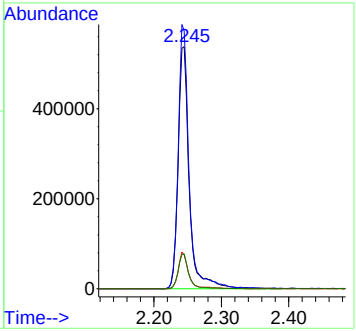


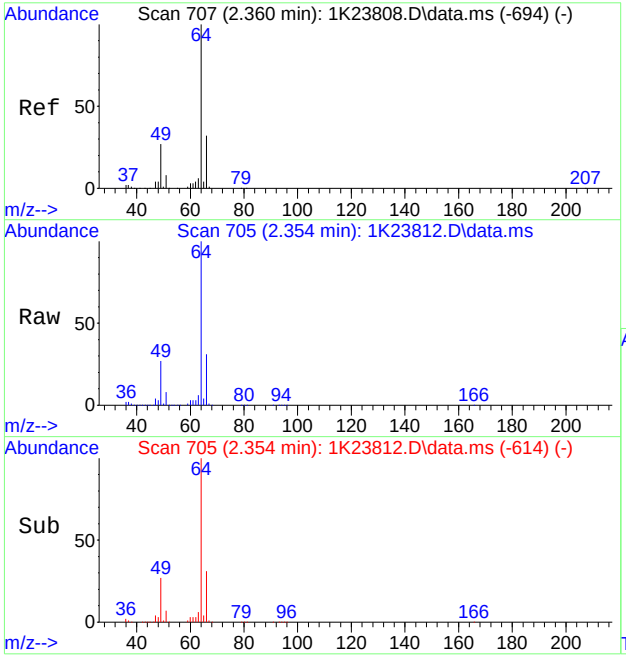


#11
bromomethane
Concen: 250.33 ug/L
RT: 2.245 min Scan# 671
Delta R.T. -0.003 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion: 96 Resp: 617056

Ion	Ratio	Lower	Upper
96	100		
94	106.4	82.9	142.9
79	14.0	17.4	17.4#
81	14.4	0.0	36.4

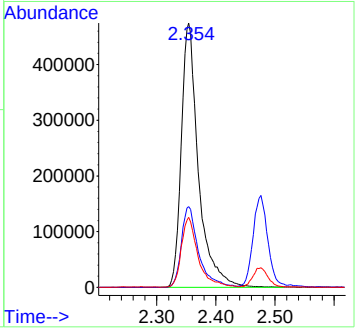


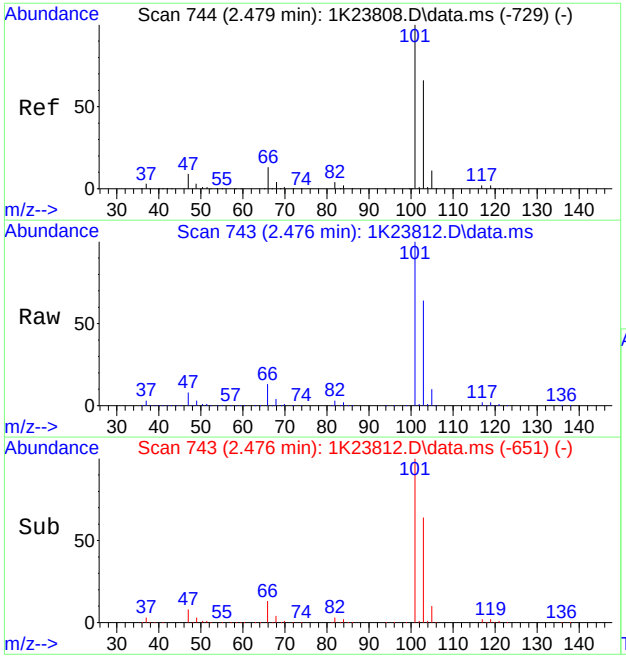


#12
chloroethane
Concen: 198.04 ug/L
RT: 2.354 min Scan# 705
Delta R.T. -0.006 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion: 64 Resp: 955947

Ion	Ratio	Lower	Upper
64	100		
66	30.6	1.6	61.6
49	26.5	0.0	57.3

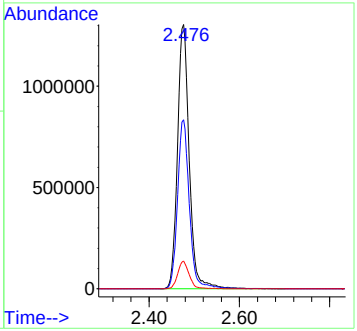


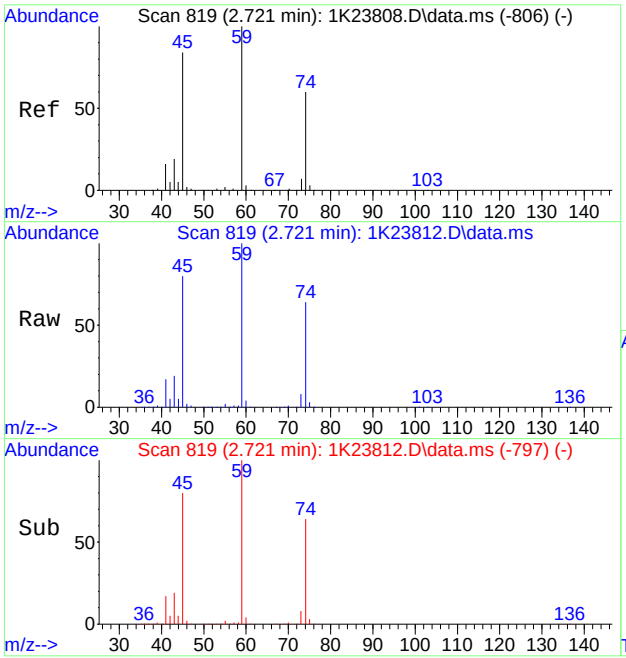


#13
trichlorofluoromethane
Concen: 197.23 ug/L
RT: 2.476 min Scan# 743
Delta R.T. -0.003 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion:101 Resp: 2353445

Ion	Ratio	Lower	Upper
101	100		
103	63.9	35.9	95.9
105	10.5	0.0	40.9

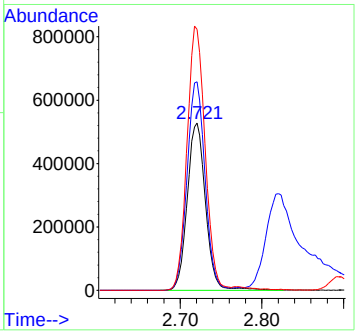


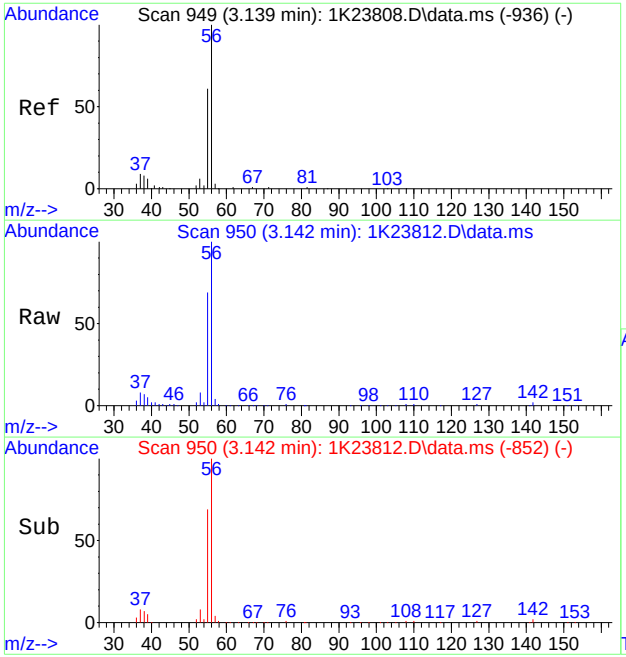


#14
ethyl ether
Concen: 209.21 ug/L
RT: 2.721 min Scan# 819
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion: 74 Resp: 821821

Ion	Ratio	Lower	Upper
74	100		
45	124.6	108.3	168.3
59	156.0	135.3	195.3

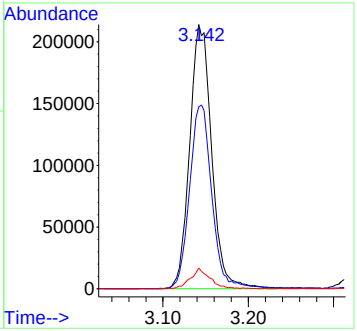


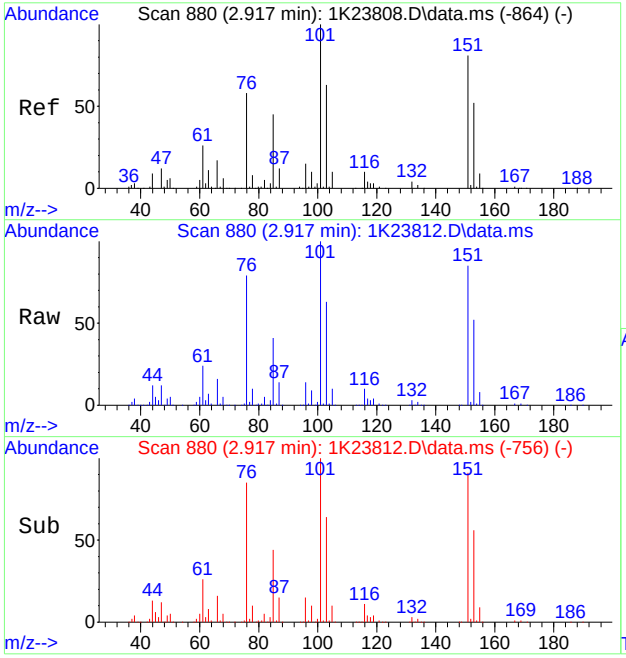


#15
acrolein
Concen: 205.31 ug/L
RT: 3.142 min Scan# 950
Delta R.T. 0.003 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion: 56 Resp: 384242

Ion	Ratio	Lower	Upper
56	100		
55	68.6	30.8	90.8
53	7.9	0.0	35.9

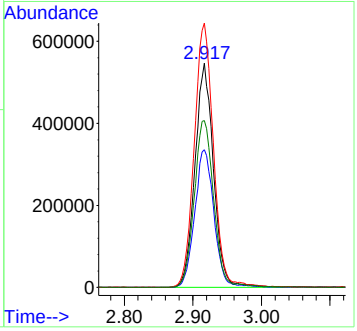


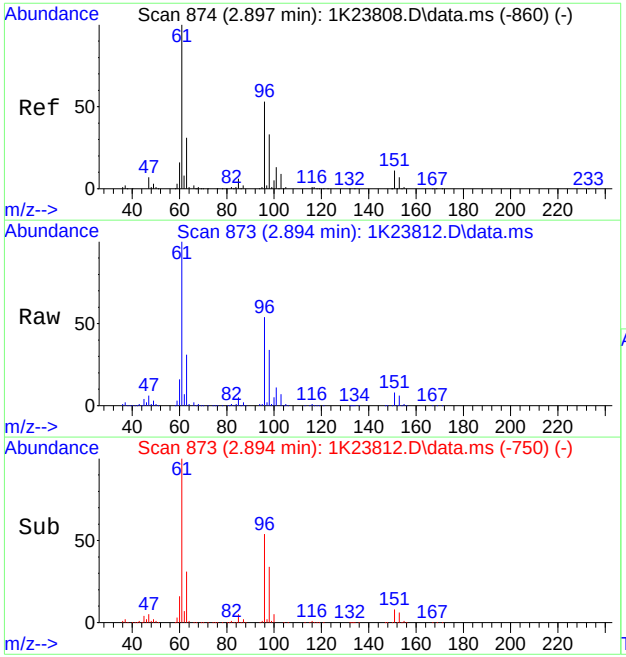


#16
freon 113
Concen: 206.79 ug/L
RT: 2.917 min Scan# 880
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion:151 Resp: 1032341

Ion	Ratio	Lower	Upper
151	100		
153	61.3	44.4	84.4
101	117.8	102.8	142.8
103	74.3	57.7	97.7

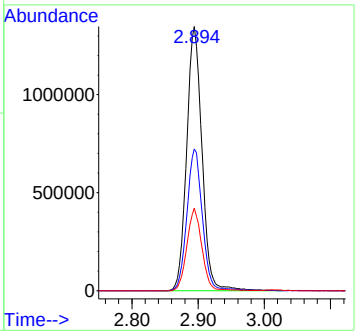


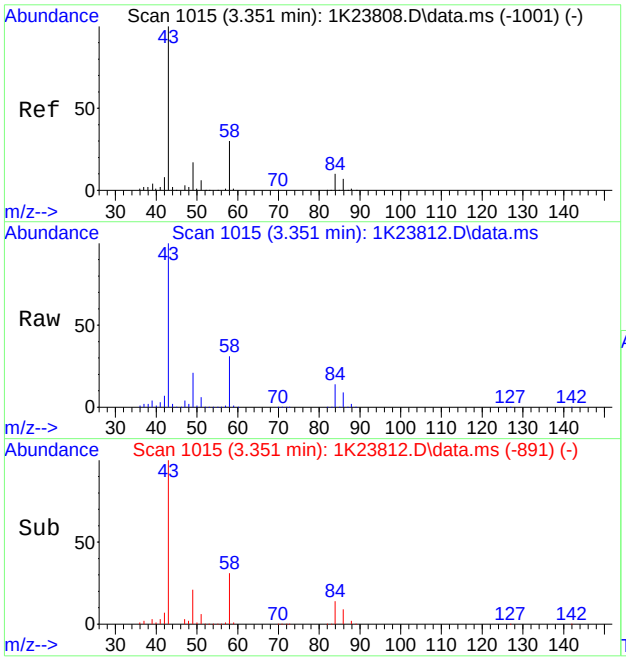


#17
1,1-dichloroethene
Concen: 195.42 ug/L
RT: 2.894 min Scan# 873
Delta R.T. -0.003 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion: 61 Resp: 2182177

Ion	Ratio	Lower	Upper
61	100		
96	53.7	23.2	83.2
63	31.2	1.0	61.0

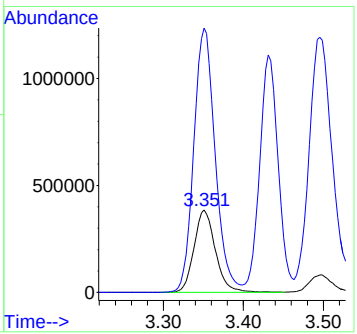


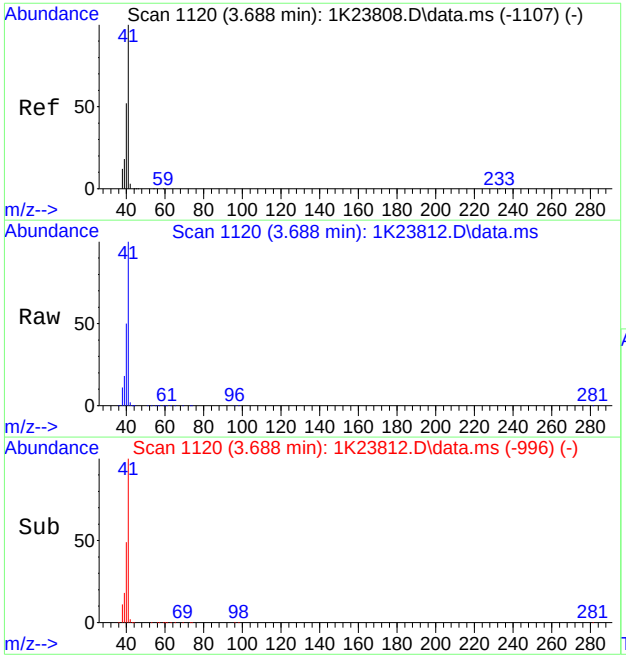


#18
acetone
Concen: 850.62 ug/L
RT: 3.351 min Scan# 1015
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion: 58 Resp: 716662

Ion	Ratio	Lower	Upper
58	100		
43	320.6	300.4	360.4

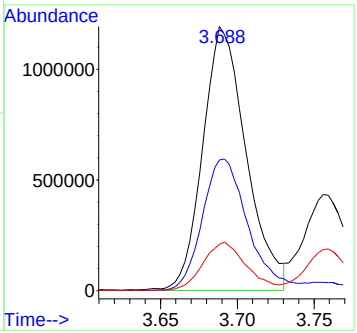


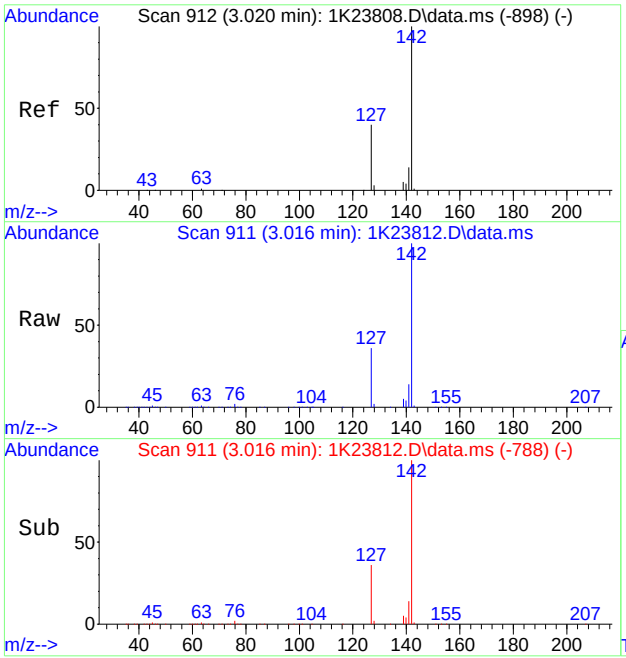


#19
acetonitrile
Concen: 2111.90 ug/L
RT: 3.688 min Scan# 1120
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion: 41 Resp: 2341964

Ion	Ratio	Lower	Upper
41	100		
40	49.6	21.7	81.7
39	17.5	0.0	47.9

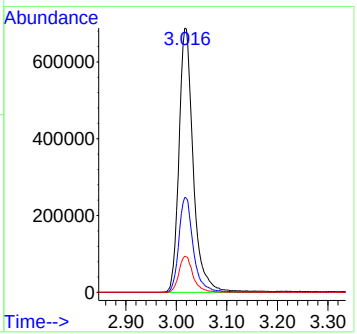


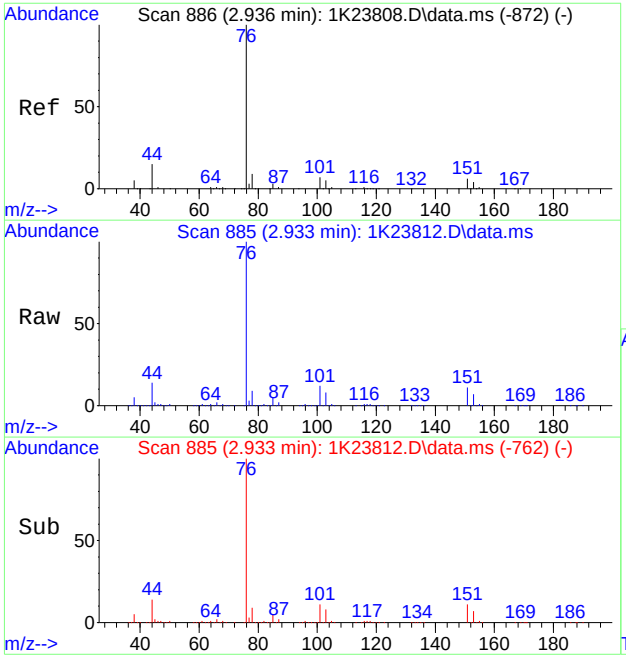


#20
iodomethane
Concen: 264.32 ug/L
RT: 3.016 min Scan# 911
Delta R.T. -0.003 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion:142 Resp: 1361894

Ion	Ratio	Lower	Upper
142	100		
127	36.0	9.9	69.9
141	13.7	0.0	44.3

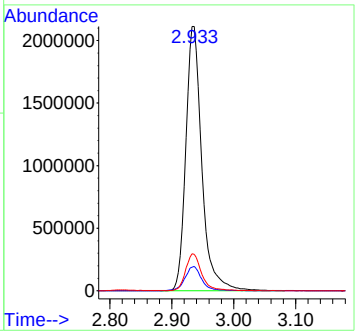


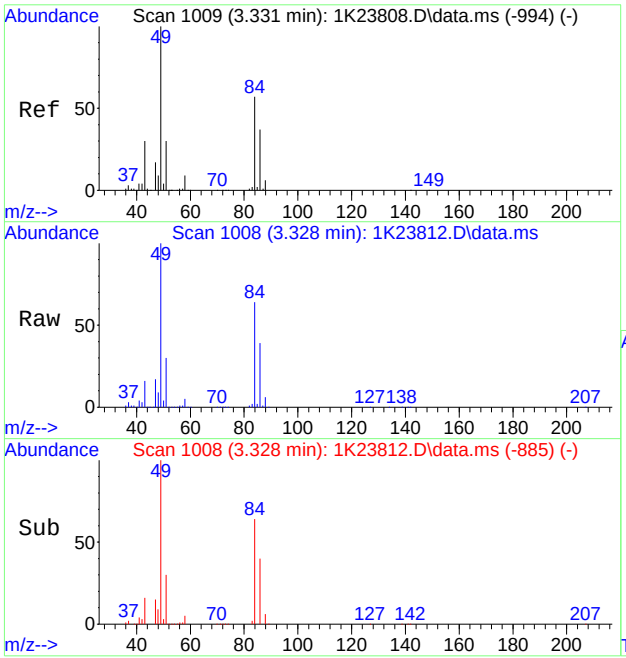


#21
carbon disulfide
Concen: 207.54 ug/L
RT: 2.933 min Scan# 885
Delta R.T. -0.003 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion: 76 Resp: 3790710

Ion	Ratio	Lower	Upper
76	100		
78	8.9	0.0	39.5
44	13.9	0.0	44.8

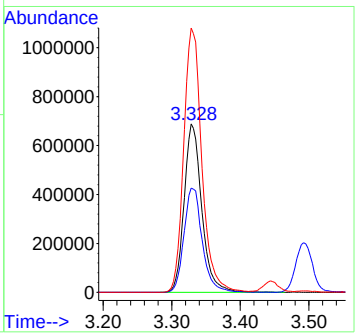


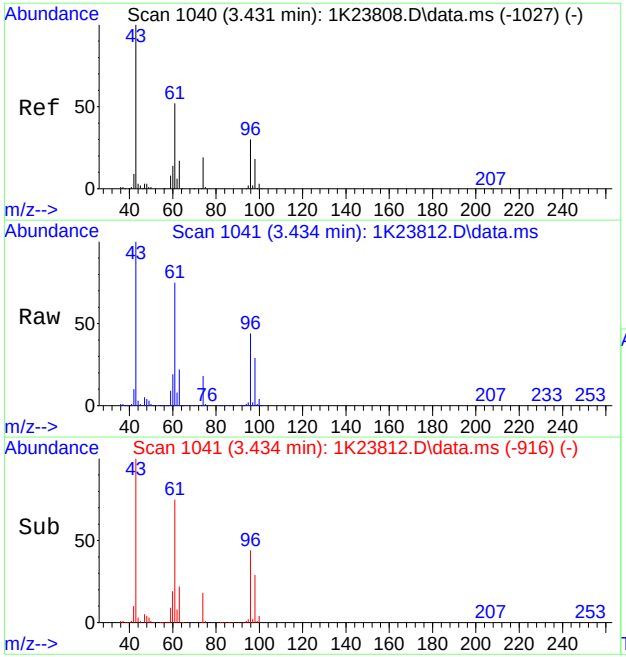


#22
methylene chloride
Concen: 198.02 ug/L
RT: 3.328 min Scan# 1008
Delta R.T. -0.003 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion: 84 Resp: 1233061

Ion	Ratio	Lower	Upper
84	100		
86	61.9	35.3	95.3
49	156.9	144.8	204.8

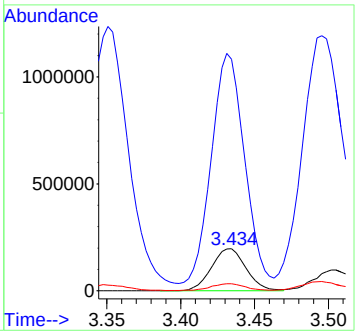


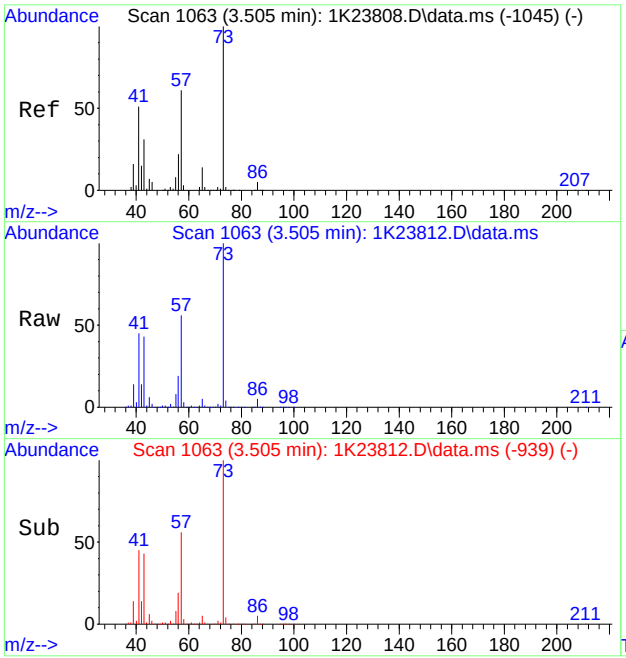


#23
methyl acetate
Concen: 224.68 ug/L
RT: 3.434 min Scan# 1041
Delta R.T. 0.003 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion: 74 Resp: 319862

Ion	Ratio	Lower	Upper
74	100		
43	513.7	491.2	551.2
44	15.6	0.0	44.3

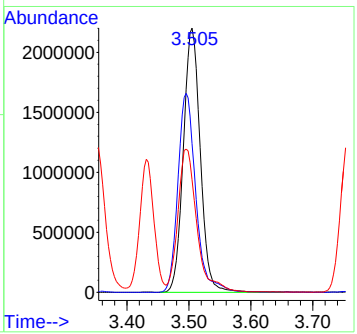


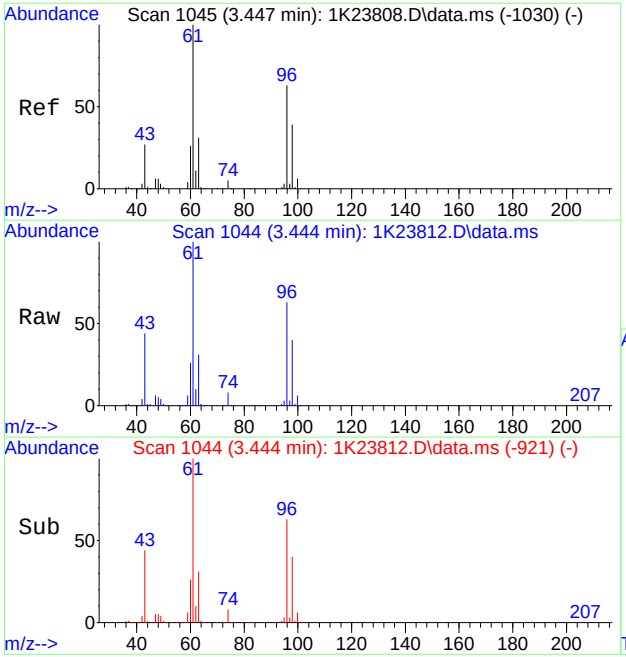


#24
methyl tert butyl ether
Concen: 201.78 ug/L
RT: 3.505 min Scan# 1063
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion: 73 Resp: 4176866

Ion	Ratio	Lower	Upper
73	100		
57	56.2	30.7	90.7
43	42.5	18.2	78.2

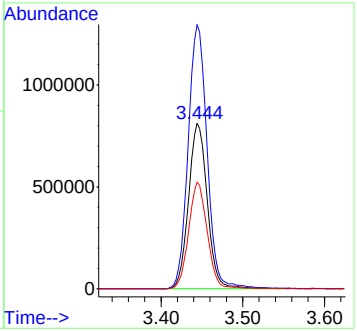


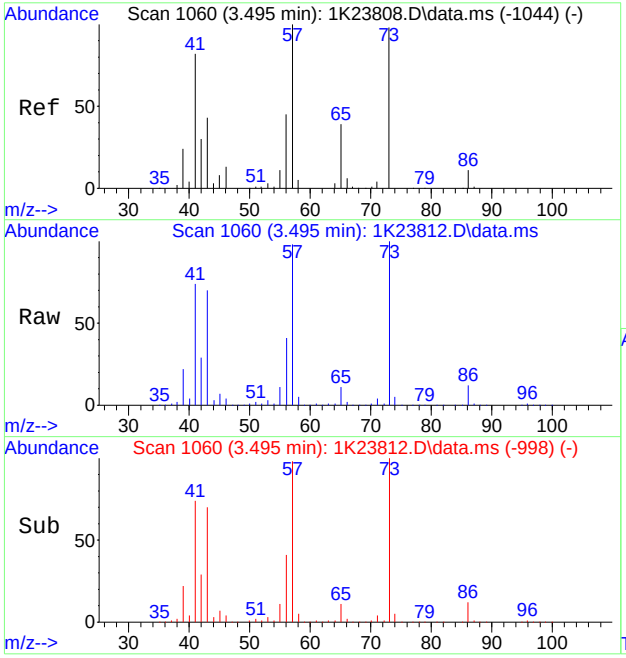


#25
trans-1,2-dichloroethene
Concen: 197.22 ug/L
RT: 3.444 min Scan# 1044
Delta R.T. -0.003 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion: 96 Resp: 1297352

Ion	Ratio	Lower	Upper
96	100		
61	159.7	128.8	188.8
98	64.6	32.4	92.4

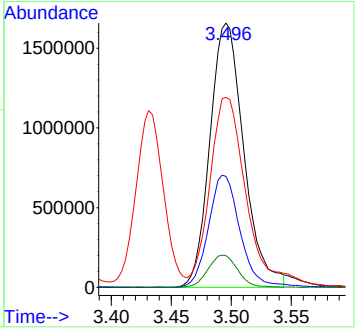


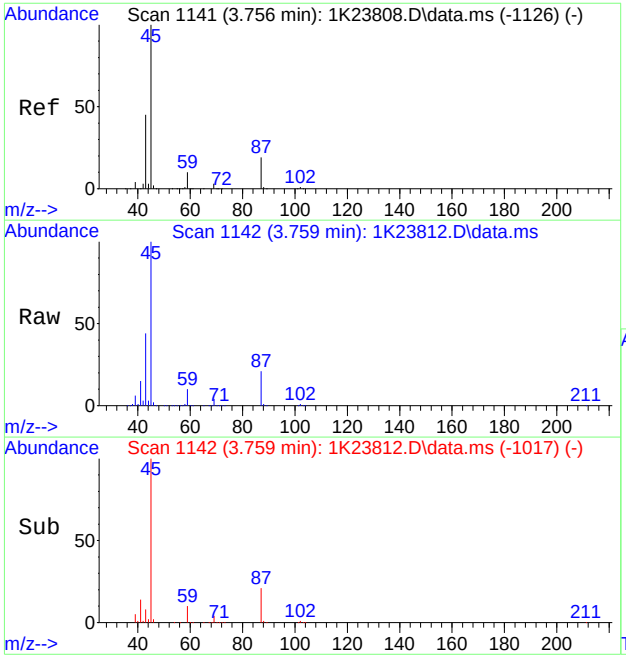


#26
hexane
Concen: 197.09 ug/L
RT: 3.495 min Scan# 1060
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion: 57 Resp: 3260500

Ion	Ratio	Lower	Upper
57	100		
56	41.9	24.9	64.9
43	66.6	50.9	90.9
86	11.9	0.0	31.2

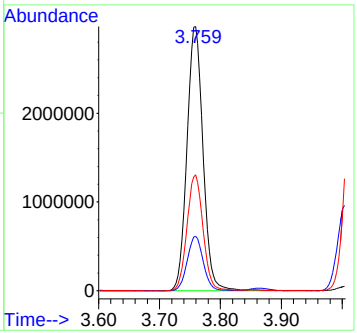


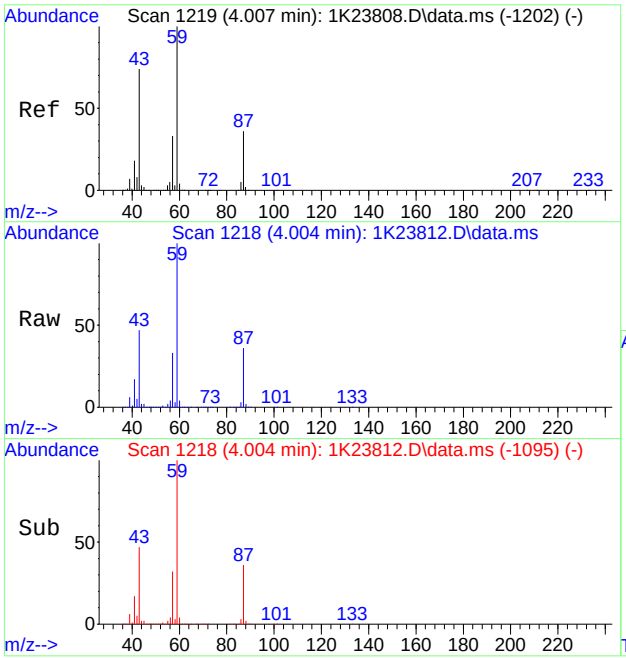


#27
di-isopropyl ether
Concen: 195.72 ug/L
RT: 3.759 min Scan# 1142
Delta R.T. 0.003 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion: 45 Resp: 5452863

Ion	Ratio	Lower	Upper
45	100		
87	20.5	0.0	48.8
43	43.8	14.9	74.9

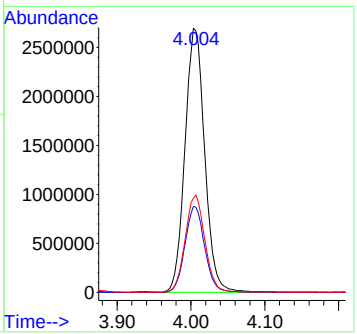


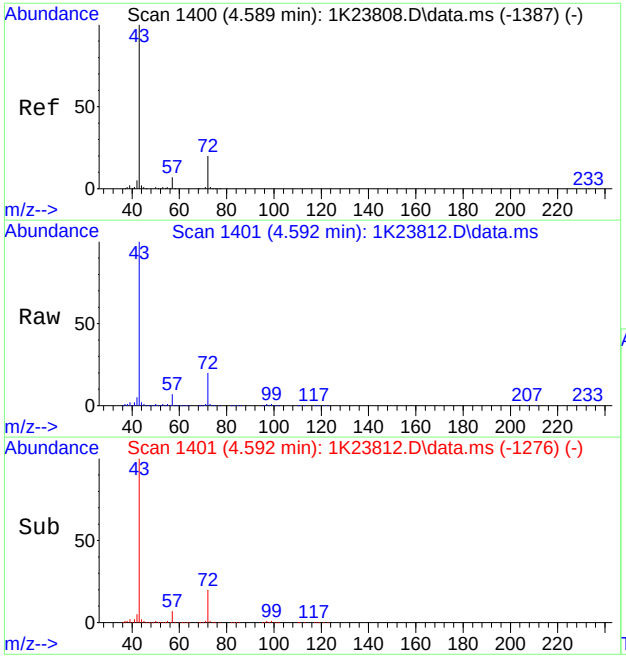


#28
ethyl tert-butyl ether
Concen: 203.24 ug/L
RT: 4.004 min Scan# 1218
Delta R.T. -0.003 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion: 59 Resp: 5009206

Ion	Ratio	Lower	Upper
59	100		
57	32.6	2.6	62.6
87	35.6	5.8	65.8

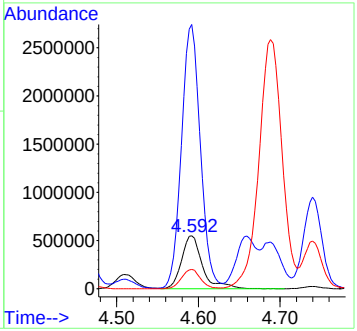


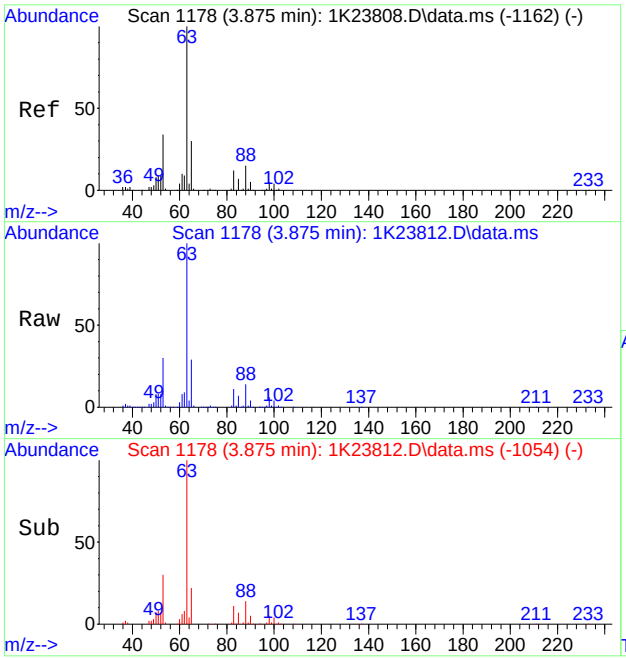


#29
2-butanone
Concen: 915.73 ug/L
RT: 4.592 min Scan# 1401
Delta R.T. 0.003 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion: 72 Resp: 979883

Ion	Ratio	Lower	Upper
72	100		
43	499.6	475.4	535.4
57	36.5	5.7	65.7

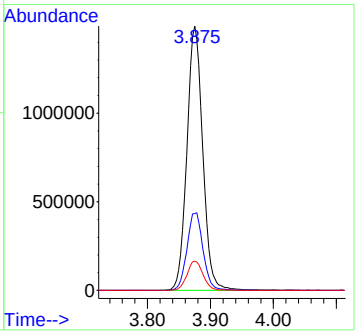


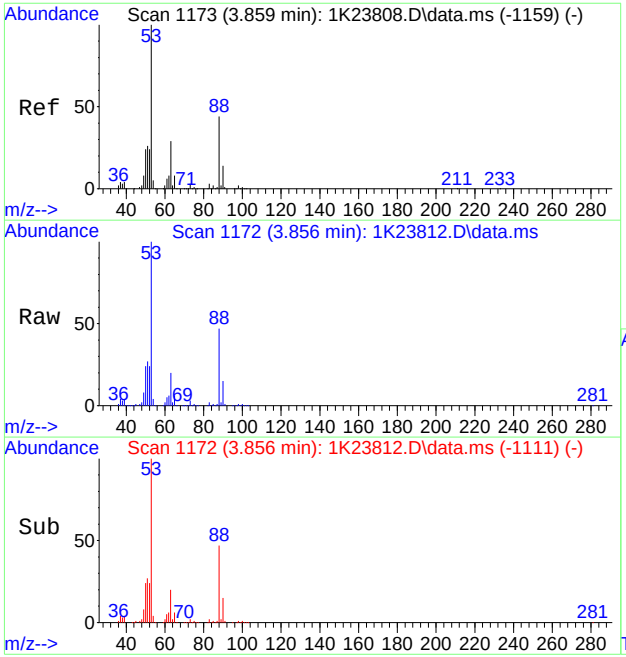


#30
1,1-dichloroethane
Concen: 199.39 ug/L
RT: 3.875 min Scan# 1178
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion: 63 Resp: 2611832

Ion	Ratio	Lower	Upper
63	100		
65	29.1	0.2	60.2
83	11.0	0.0	42.0

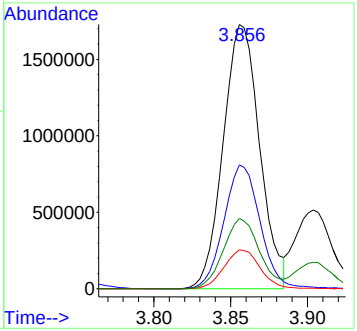


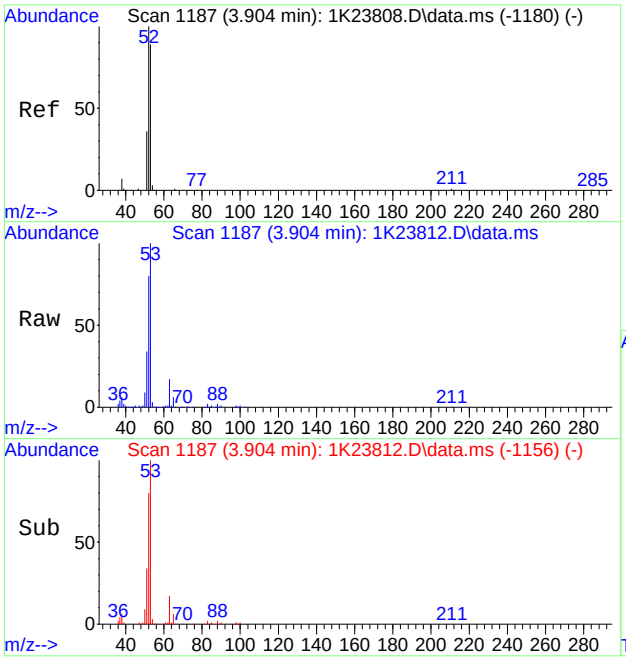


#31
chloroprene
Concen: 198.26 ug/L
RT: 3.856 min Scan# 1172
Delta R.T. -0.003 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion: 53 Resp: 2860246

Ion	Ratio	Lower	Upper
53	100		
88	46.8	13.8	73.8
90	14.7	0.0	44.2
51	26.6	0.0	56.1

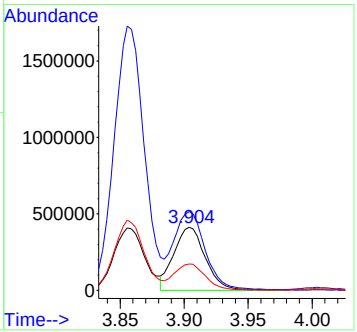


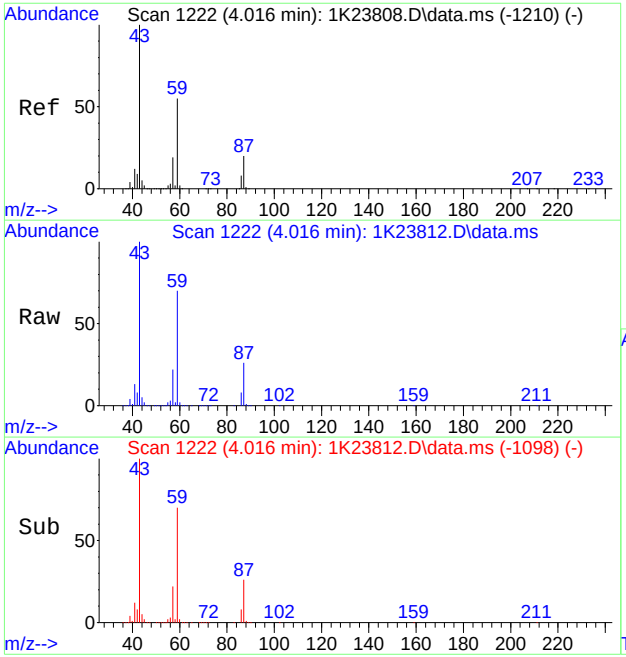


#32
acrylonitrile
Concen: 214.16 ug/L
RT: 3.904 min Scan# 1187
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion: 52 Resp: 707966

Ion	Ratio	Lower	Upper
52	100		
53	124.0	99.5	159.5
51	41.5	13.8	73.8

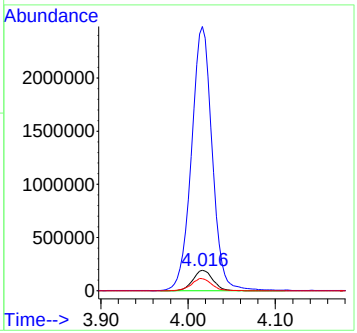


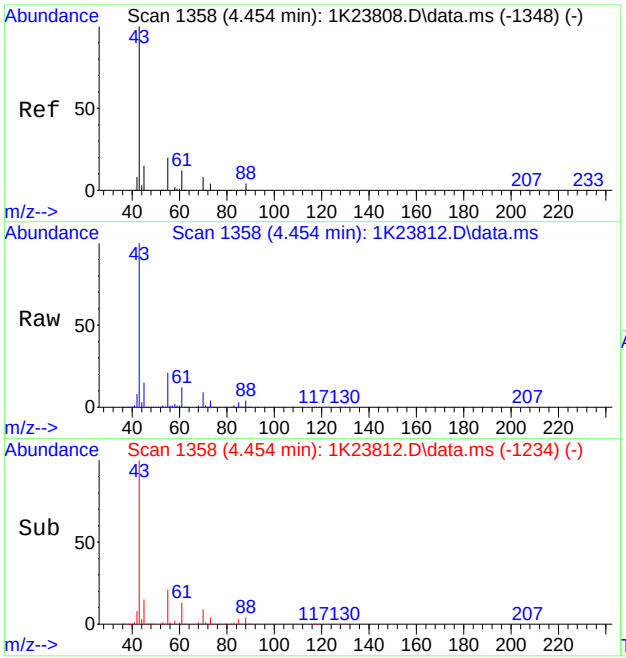


#33
vinyl acetate
Concen: 192.49 ug/L
RT: 4.016 min Scan# 1222
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion: 86 Resp: 310204

Ion	Ratio	Lower	Upper
86	100		
43	1280.6	1252.8	1312.8
44	58.9	39.9	99.9

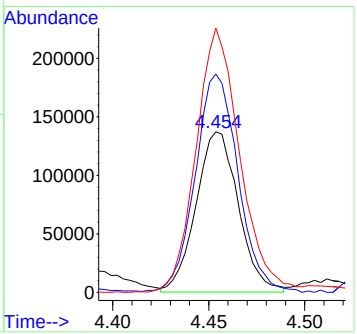


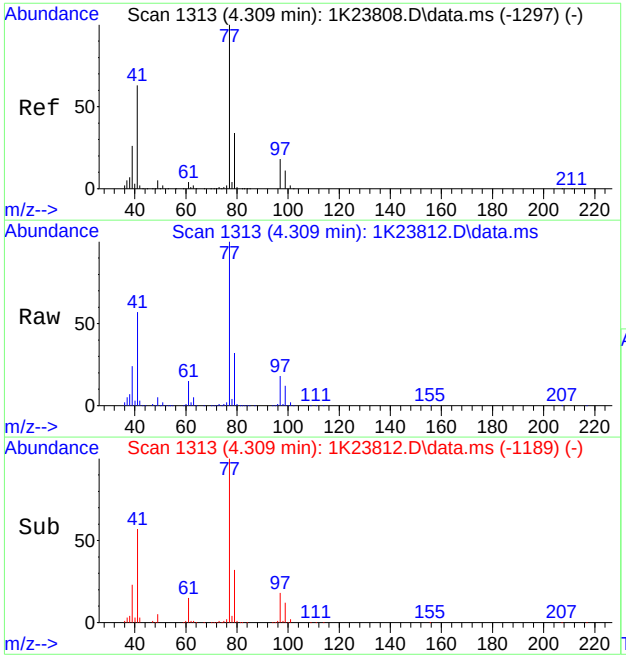


#34
ethyl acetate
Concen: 223.71 ug/L
RT: 4.454 min Scan# 1358
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion: 70 Resp: 210409

Ion	Ratio	Lower	Upper
70	100		
61	136.8	124.4	184.4
45	166.5	156.4	216.4

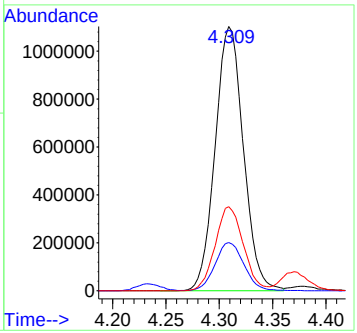


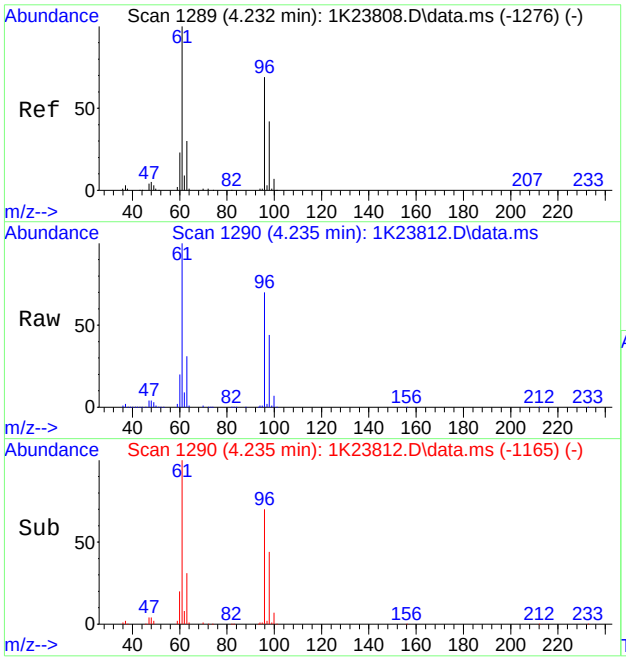


#35
2,2-dichloropropane
Concen: 186.84 ug/L
RT: 4.309 min Scan# 1313
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion: 77 Resp: 2035847

Ion	Ratio	Lower	Upper
77	100		
97	18.1	0.0	47.6
79	31.8	3.7	63.7

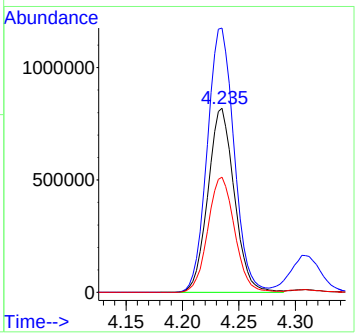


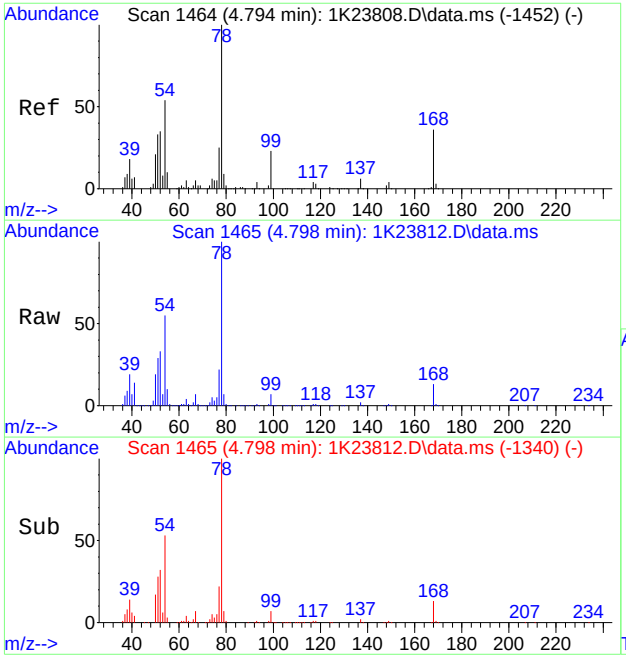


#36
cis-1,2-dichloroethene
Concen: 198.62 ug/L
RT: 4.235 min Scan# 1290
Delta R.T. 0.003 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion: 96 Resp: 1329589

Ion	Ratio	Lower	Upper
96	100		
61	143.5	114.3	174.3
98	62.5	30.5	90.5

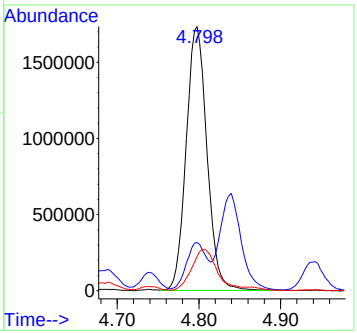


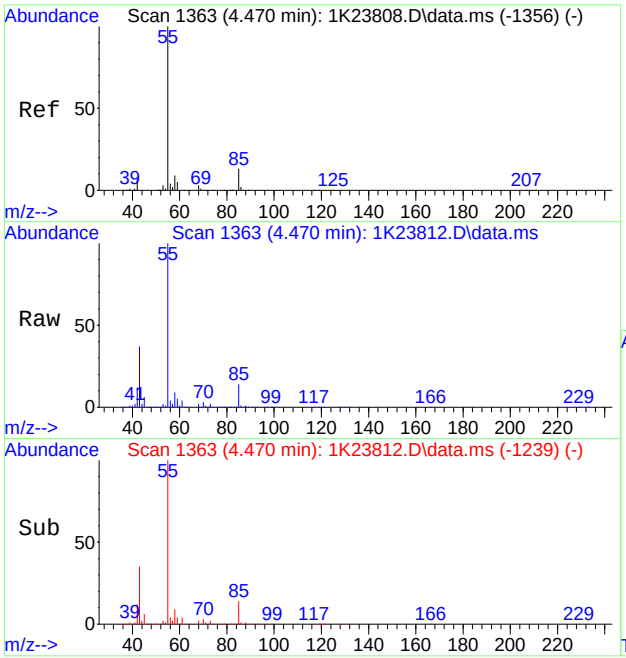


#37
propionitrile
Concen: 2137.10 ug/L
RT: 4.798 min Scan# 1465
Delta R.T. 0.003 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion: 54 Resp: 3065126

Ion	Ratio	Lower	Upper
54	100		
55	18.0	0.0	50.4
40	12.8	0.0	41.8

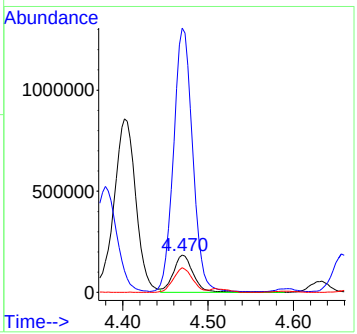


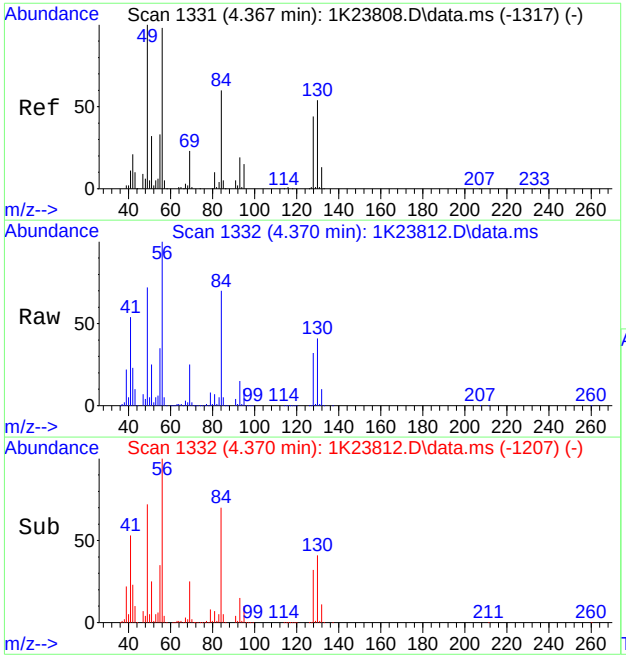


#38
methyl acrylate
Concen: 231.56 ug/L
RT: 4.470 min Scan# 1363
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion: 85 Resp: 297355

Ion	Ratio	Lower	Upper
85	100		
55	701.3	717.8	757.8#
58	64.1	42.6	82.6

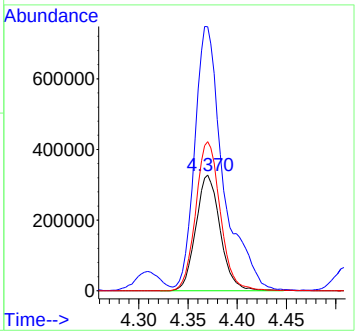


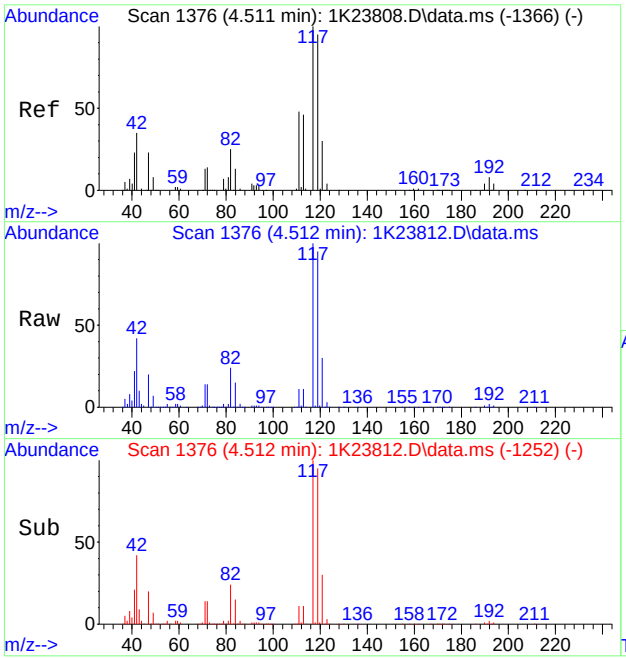


#39
bromochloromethane
Concen: 185.00 ug/L
RT: 4.370 min Scan# 1332
Delta R.T. 0.003 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion:128 Resp: 565824

Ion	Ratio	Lower	Upper
128	100		
49	227.3	195.5	255.5
130	128.8	92.1	152.1

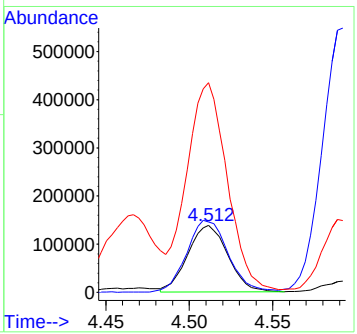


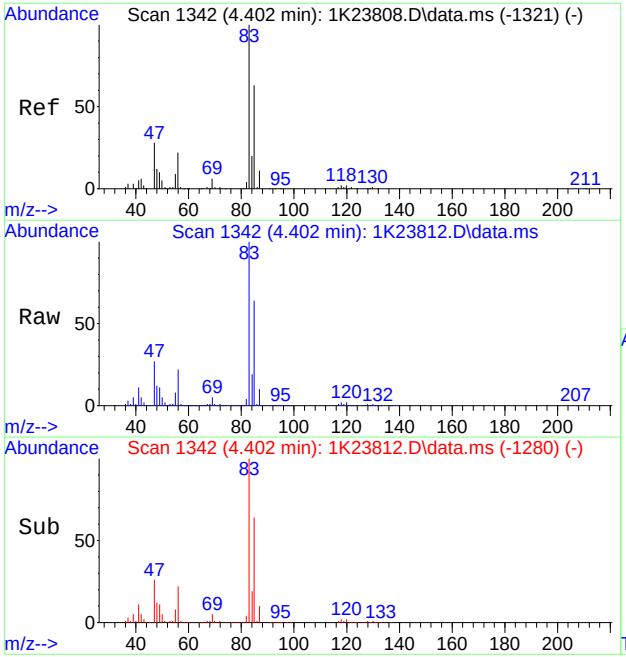


#40
tetrahydrofuran
Concen: 200.88 ug/L
RT: 4.512 min Scan# 1376
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion: 71 Resp: 231185

Ion	Ratio	Lower	Upper
71	100		
72	101.9	76.4	136.4
42	311.6	297.7	357.7

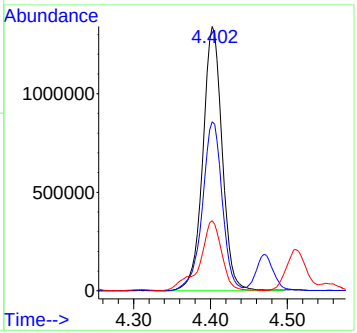


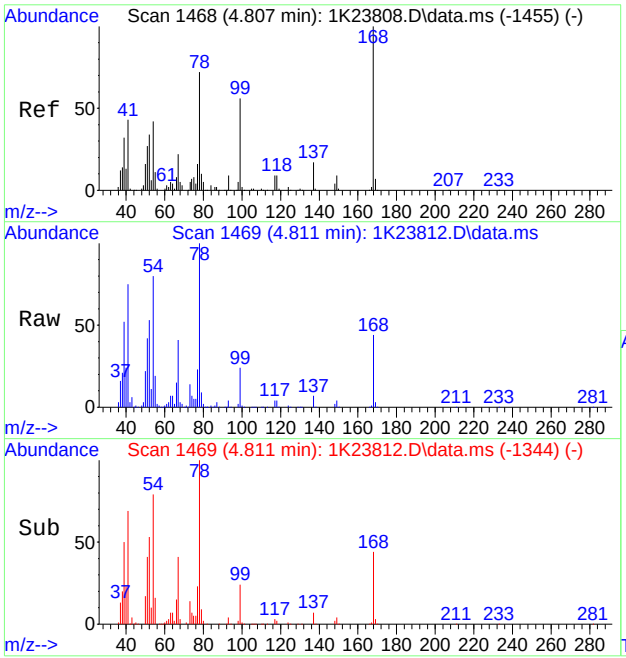


#41
chloroform
Concen: 186.03 ug/L
RT: 4.402 min Scan# 1342
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion: 83 Resp: 2353880

Ion	Ratio	Lower	Upper
83	100		
85	63.9	33.4	93.4
47	26.4	0.0	58.3

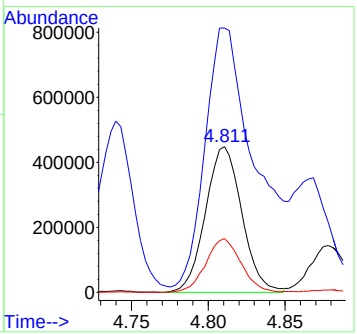


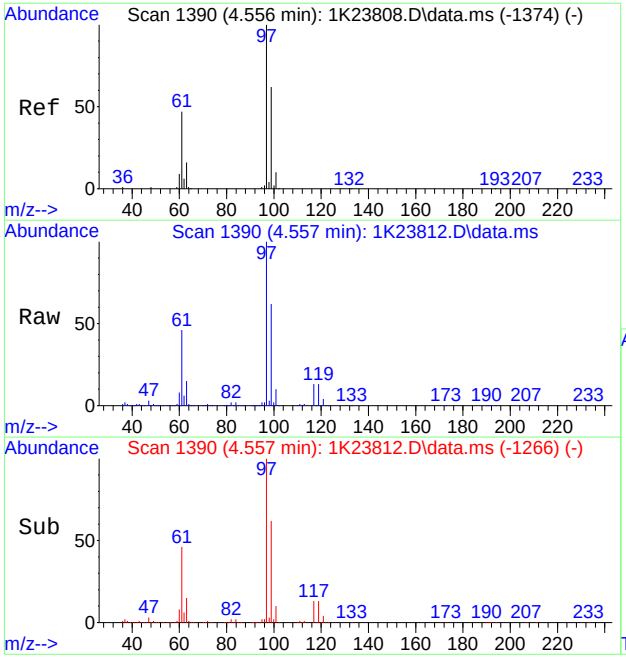


#43
methacrylonitrile
Concen: 189.47 ug/L
RT: 4.811 min Scan# 1469
Delta R.T. 0.003 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion: 67 Resp: 738907

Ion	Ratio	Lower	Upper
67	100		
41	176.1	161.1	221.1
66	36.8	3.7	63.7

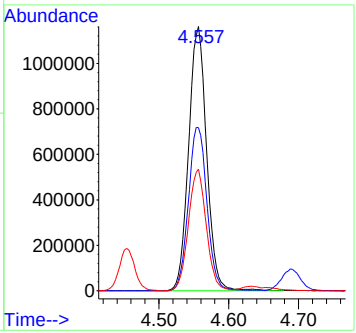


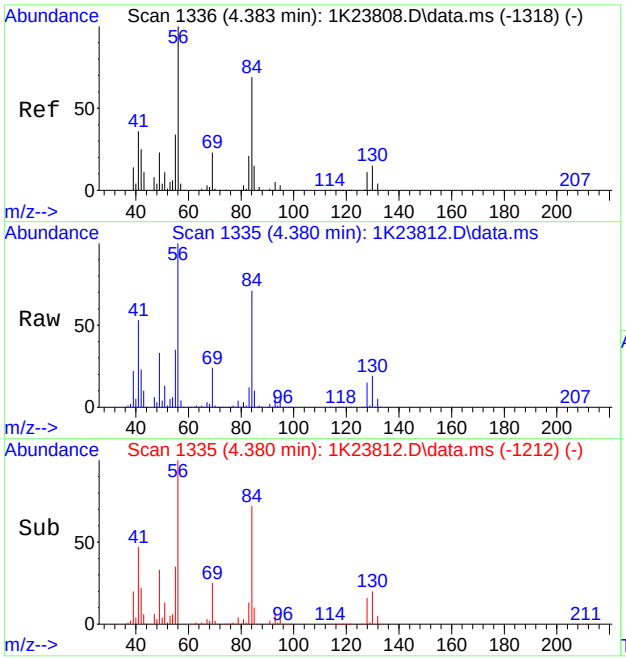


#44
1,1,1-trichloroethane
Concen: 193.88 ug/L
RT: 4.557 min Scan# 1390
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion: 97 Resp: 2088286

Ion	Ratio	Lower	Upper
97	100		
99	61.7	32.1	92.1
61	45.9	16.3	76.3

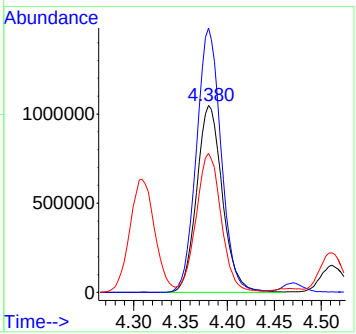


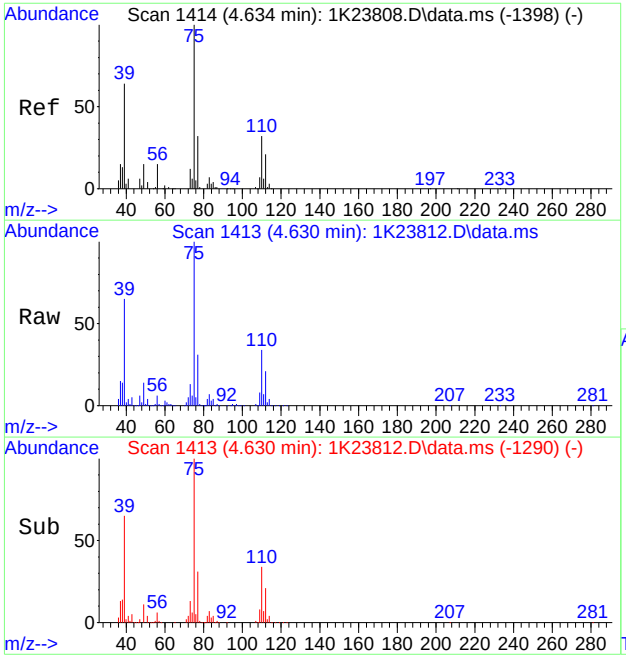


#45
cyclohexane
Concen: 213.58 ug/L
RT: 4.380 min Scan# 1335
Delta R.T. -0.003 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion: 84 Resp: 2002687

Ion	Ratio	Lower	Upper
84	100		
56	141.5	124.1	164.1
41	72.6	58.3	98.3

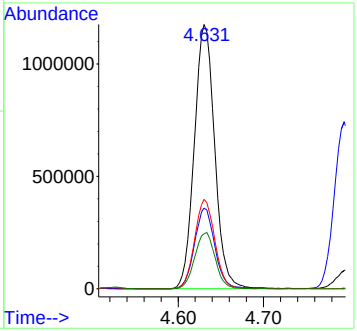


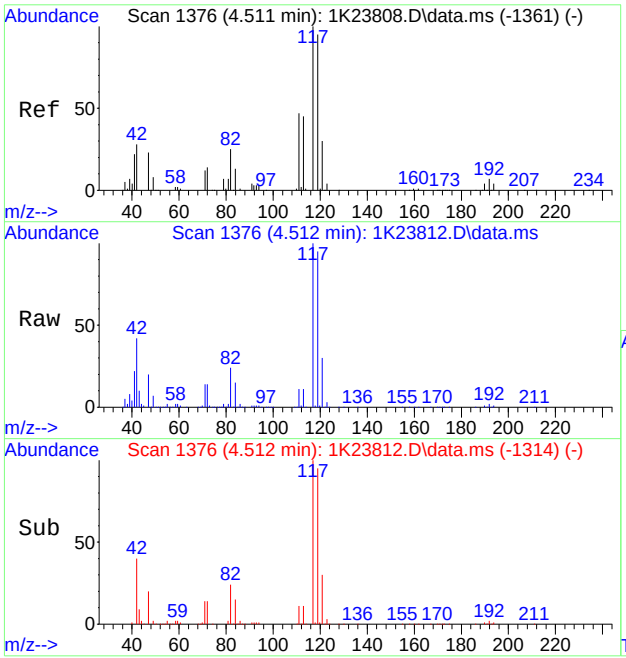


#46
1,1-dichloropropene
Concen: 208.17 ug/L
RT: 4.630 min Scan# 1413
Delta R.T. -0.003 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion: 75 Resp: 1955075

Ion	Ratio	Lower	Upper
75	100		
77	30.6	12.0	52.0
110	33.8	12.3	52.3
112	20.8	0.8	40.8

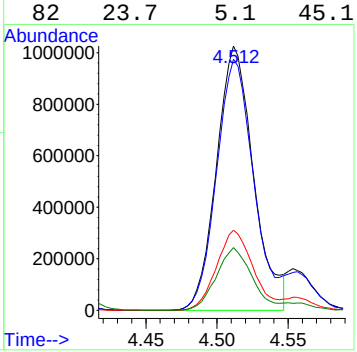


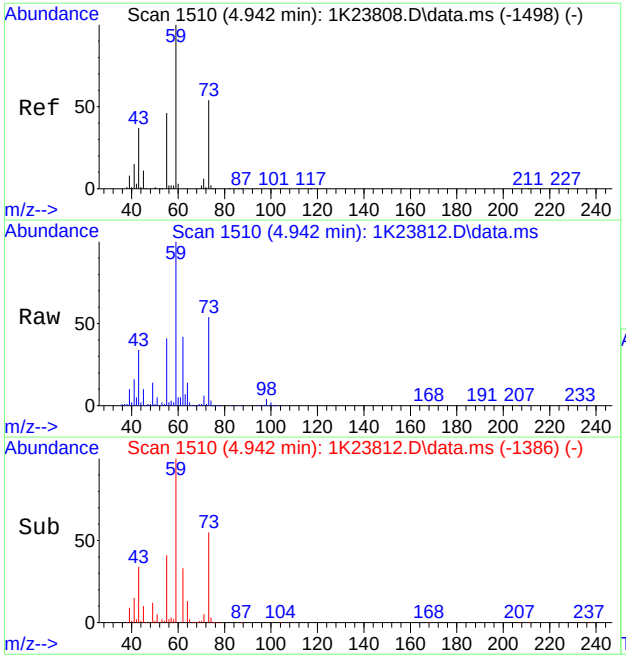


#47
carbon tetrachloride
Concen: 184.85 ug/L
RT: 4.512 min Scan# 1376
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion:117 Resp: 1860242

Ion	Ratio	Lower	Upper
117	100		
119	94.9	74.6	114.6
121	30.3	9.9	49.9
82	23.7	5.1	45.1

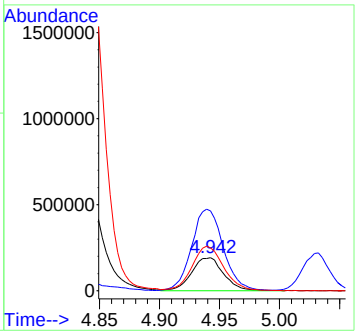


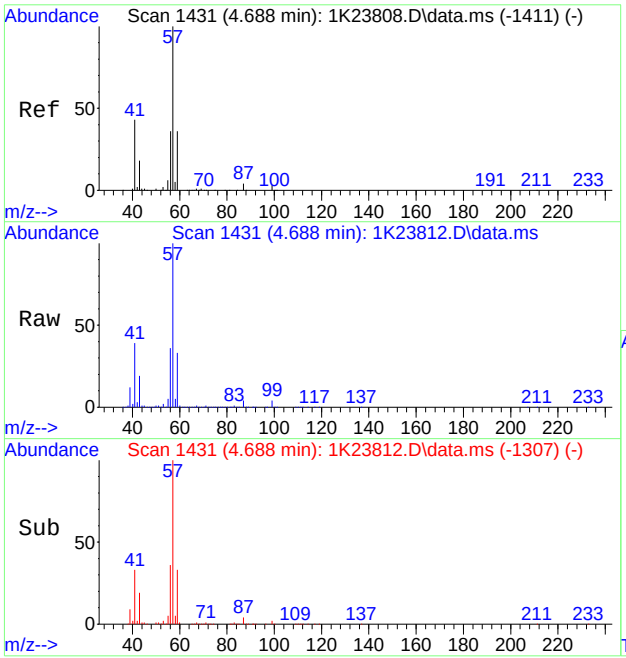


#49
tert-amyl alcohol
Concen: 1093.25 ug/L
RT: 4.942 min Scan# 1510
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion: 55 Resp: 355286

Ion	Ratio	Lower	Upper
55	100		
59	239.9	194.2	234.2#
73	129.6	101.1	141.1

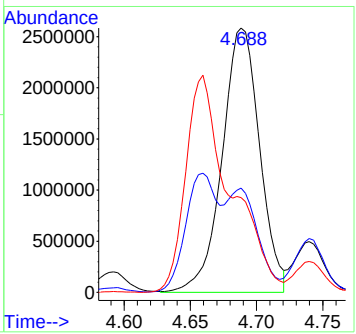


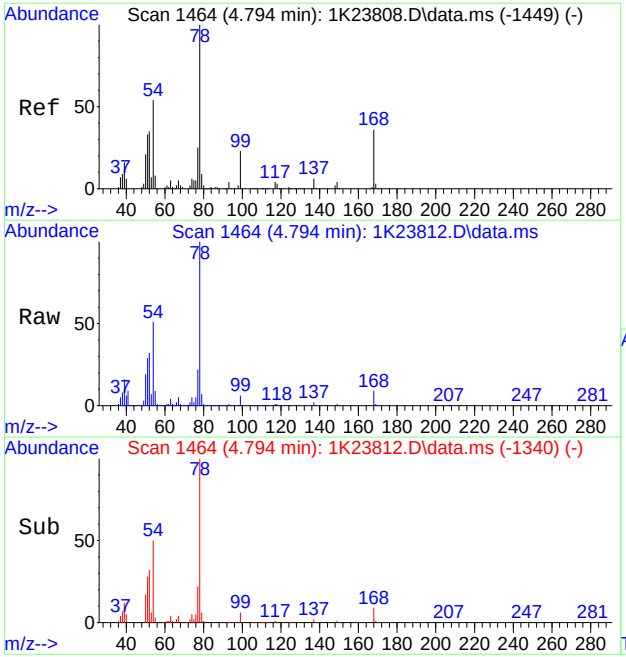


#52
iso-octane
Concen: 189.80 ug/L
RT: 4.688 min Scan# 1431
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion: 57 Resp: 5096278

Ion	Ratio	Lower	Upper
57	100		
41	38.8	22.7	62.7
56	34.8	16.1	56.1

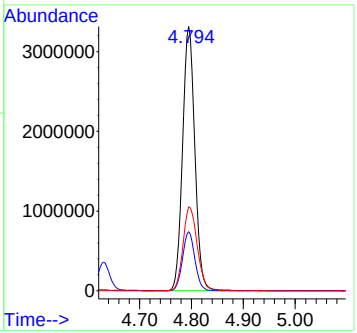


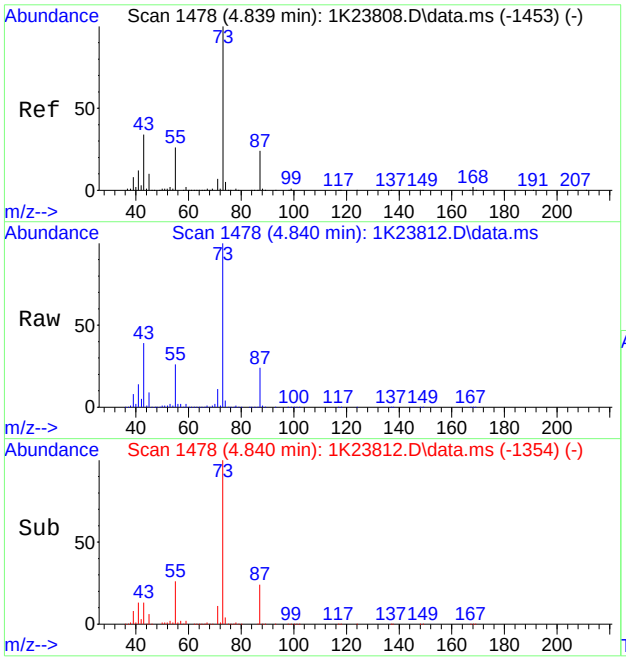


#53
benzene
Concen: 197.87 ug/L
RT: 4.794 min Scan# 1464
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion: 78 Resp: 5413837

Ion	Ratio	Lower	Upper
78	100		
77	22.4	0.0	54.5
52	31.8	5.0	65.0

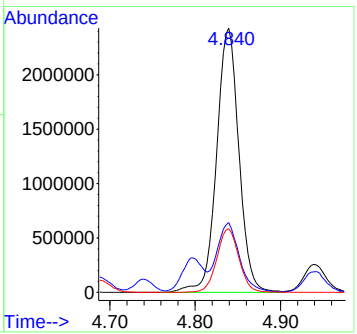


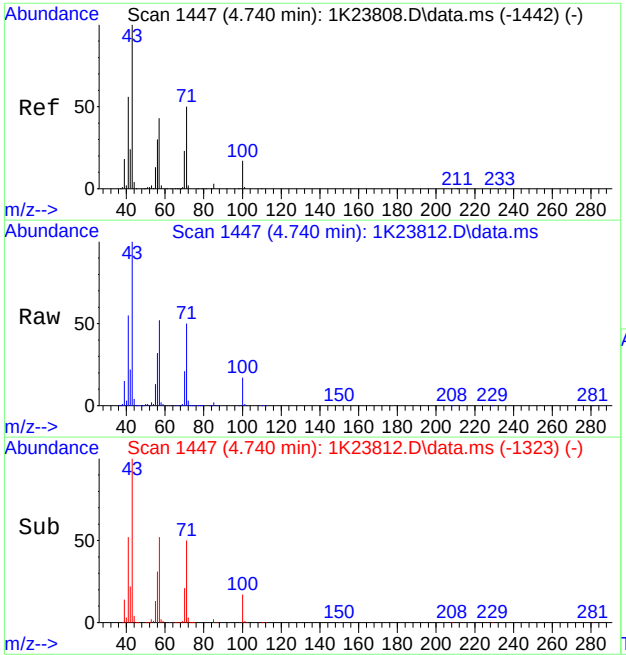


#54
tert-amyl methyl ether
Concen: 196.68 ug/L
RT: 4.840 min Scan# 1478
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion: 73 Resp: 4416240

Ion	Ratio	Lower	Upper
73	100		
55	26.2	7.0	47.0
87	24.0	4.4	44.4

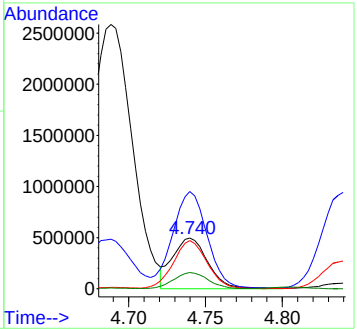


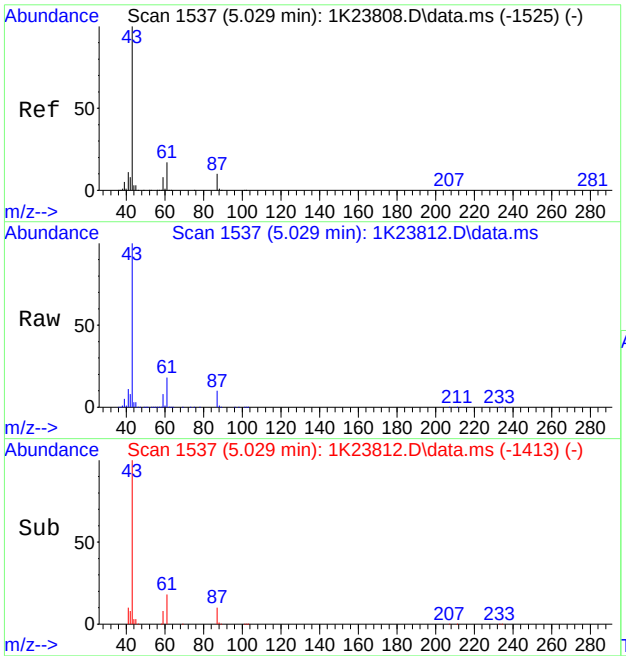


#55
heptane
Concen: 195.28 ug/L
RT: 4.740 min Scan# 1447
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion: 57 Resp: 796427

Ion	Ratio	Lower	Upper
57	100		
43	191.9	165.6	225.6
71	95.6	61.2	121.2
100	29.0	0.0	55.6

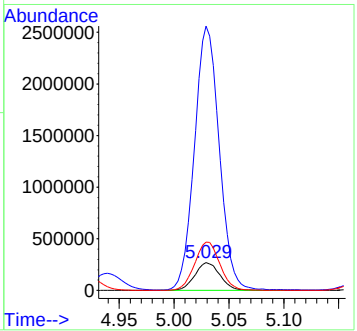


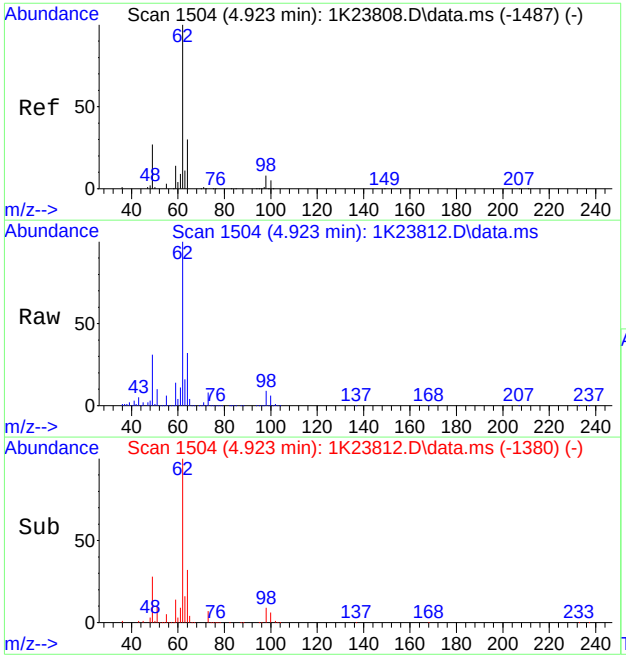


#56
isopropyl acetate
Concen: 213.05 ug/L
RT: 5.029 min Scan# 1537
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion: 87 Resp: 428883

Ion	Ratio	Lower	Upper
87	100		
43	952.7	998.2	1058.2#
61	174.1	147.0	207.0

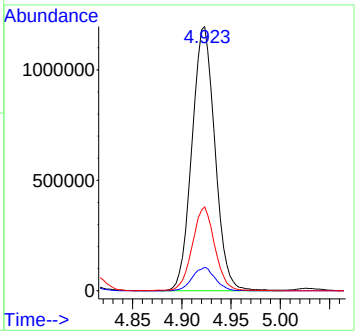


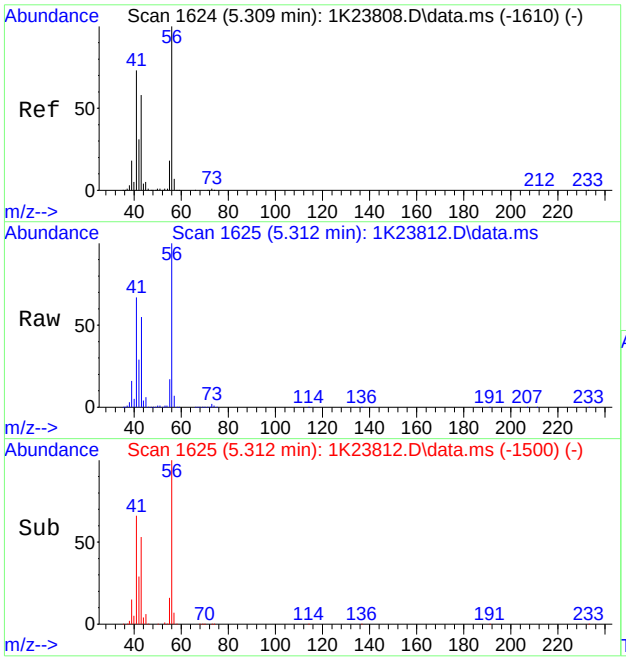


#57
1,2-dichloroethane
Concen: 173.31 ug/L
RT: 4.923 min Scan# 1504
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion: 62 Resp: 1940005

Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	38.3
64	31.8	0.4	60.4

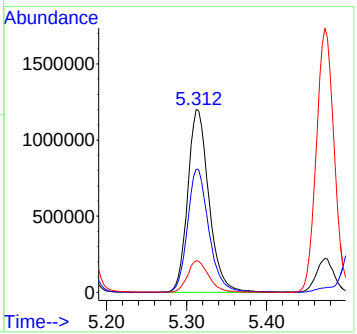


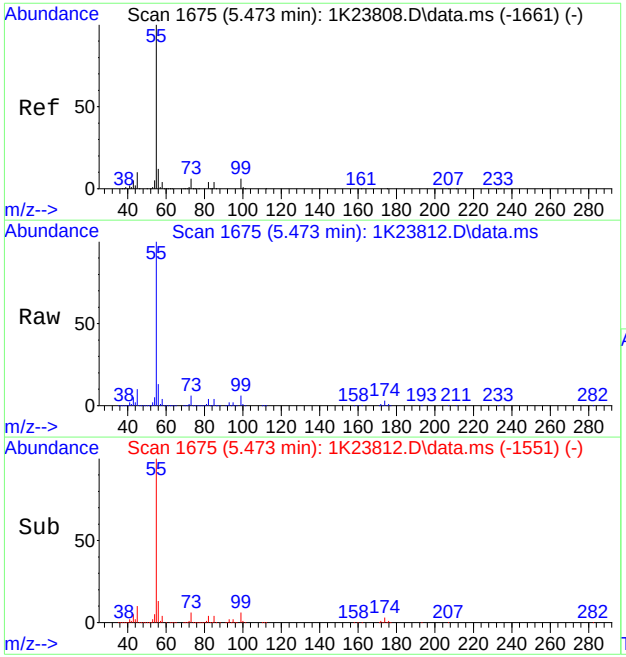


#58
n-butyl alcohol
Concen: 11884.71 ug/L
RT: 5.312 min Scan# 1625
Delta R.T. 0.003 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion: 56 Resp: 2216723

Ion	Ratio	Lower	Upper
56	100		
41	67.3	53.5	93.5
55	17.3	0.0	38.0

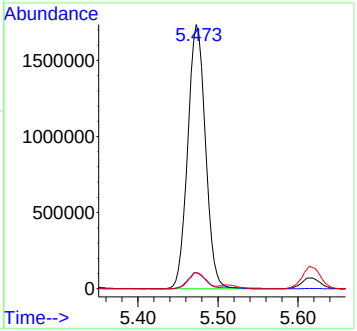


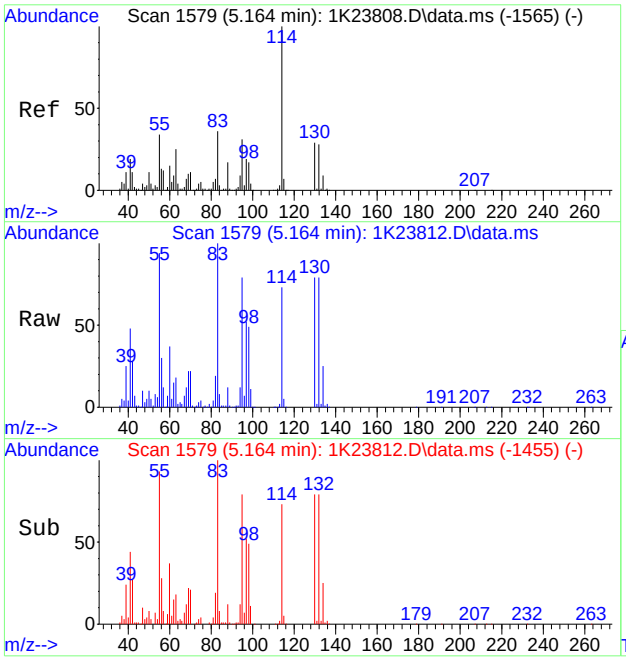


#59
ethyl acrylate
Concen: 196.57 ug/L
RT: 5.473 min Scan# 1675
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion: 55 Resp: 2683895

Ion	Ratio	Lower	Upper
55	100		
73	6.0	0.0	35.8
99	6.2	0.0	35.9

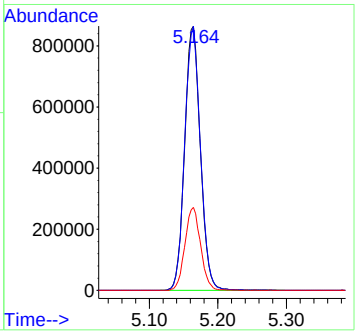


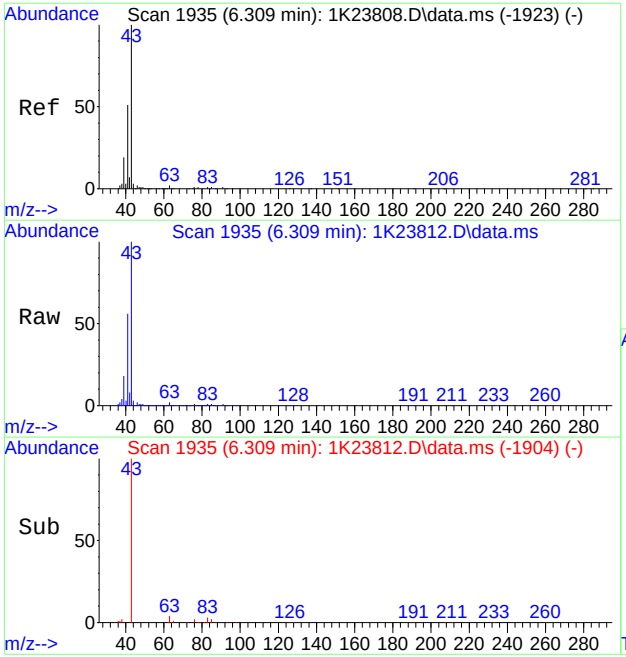


#60
trichloroethene
Concen: 201.21 ug/L
RT: 5.164 min Scan# 1579
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion:130 Resp: 1379236

Ion	Ratio	Lower	Upper
130	100		
132	100.1	66.4	126.4
134	31.5	0.0	59.6

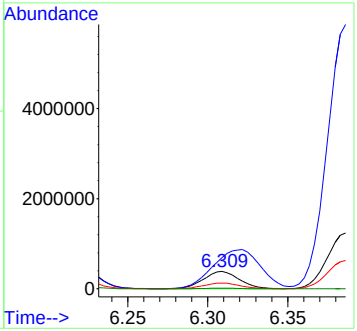


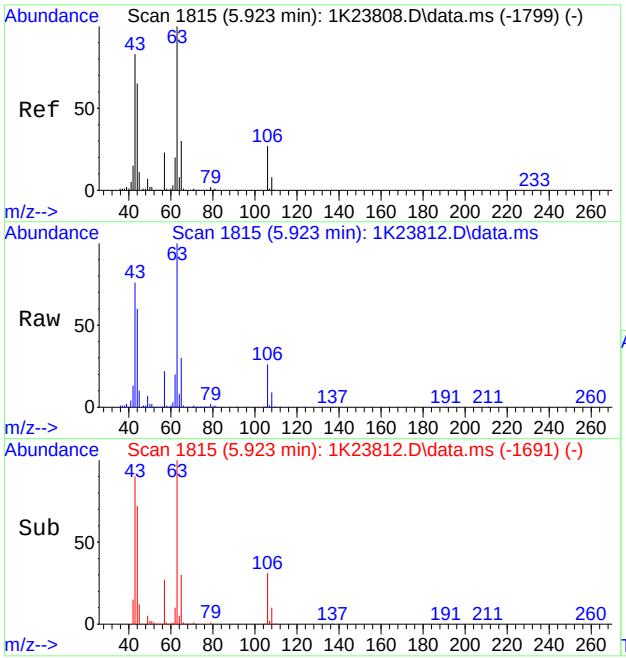


#61
2-nitropropane
Concen: 176.06 ug/L
RT: 6.309 min Scan# 1935
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion: 41 Resp: 589251

Ion	Ratio	Lower	Upper
41	100		
43	180.8	164.7	224.7
39	32.1	6.3	66.3
46	3.9	0.0	33.8

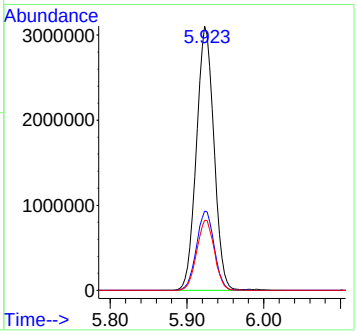


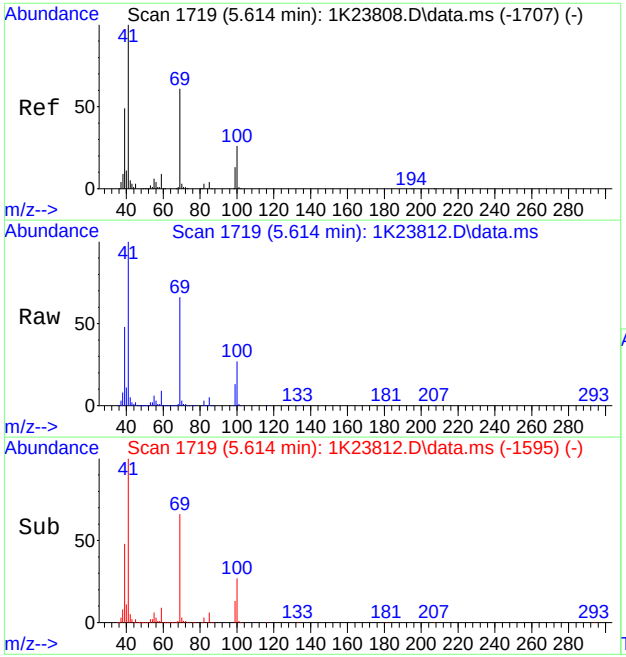


#62
2-chloroethyl vinyl ether
Concen: 1012.80 ug/L
RT: 5.923 min Scan# 1815
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion: 63 Resp: 4929837

Ion	Ratio	Lower	Upper
63	100		
65	30.0	0.4	60.4
106	26.5	0.0	57.4

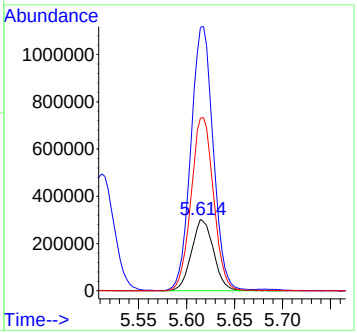


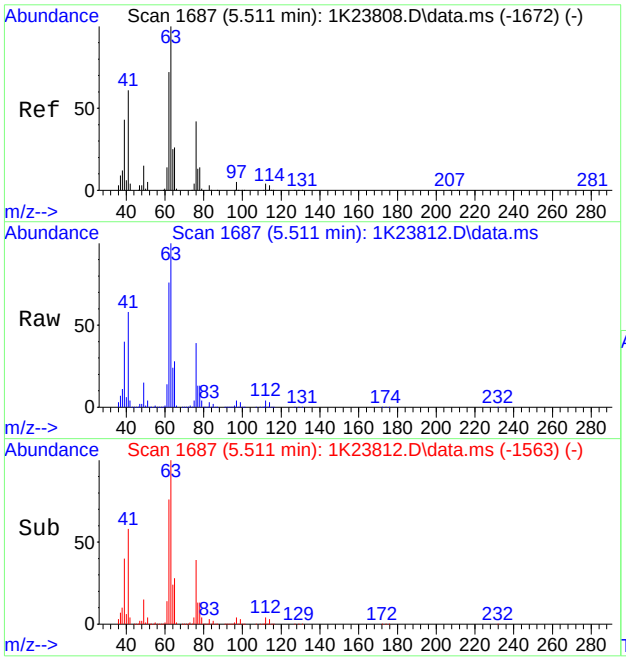


#63
methyl methacrylate
Concen: 203.16 ug/L
RT: 5.614 min Scan# 1719
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion:100 Resp: 484212

Ion	Ratio	Lower	Upper
100	100		
41	367.3	352.7	412.7
69	241.0	201.8	261.8

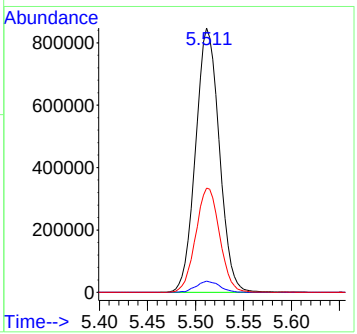


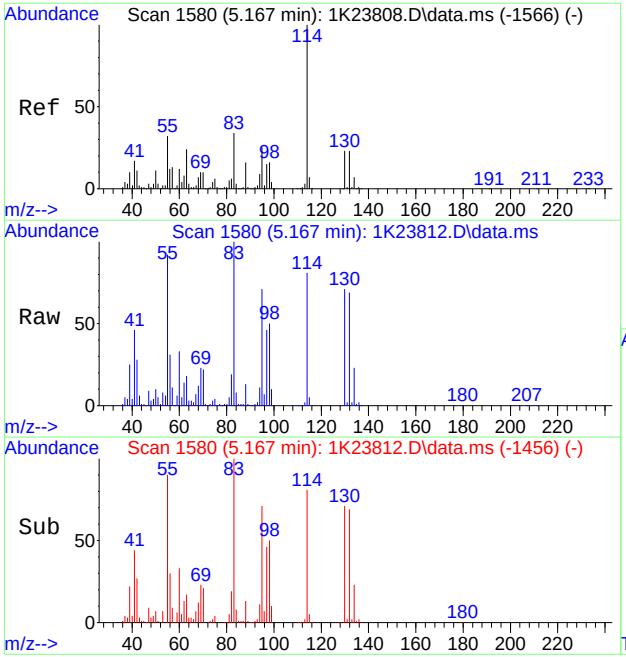


#64
1,2-dichloropropane
Concen: 191.31 ug/L
RT: 5.511 min Scan# 1687
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion: 63 Resp: 1459722

Ion	Ratio	Lower	Upper
63	100		
112	4.3	0.0	34.3
76	39.4	11.5	71.5

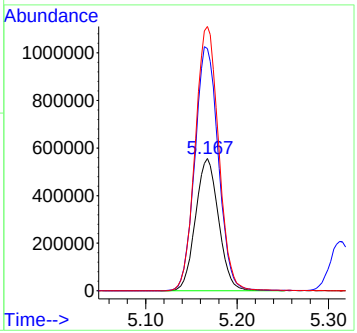


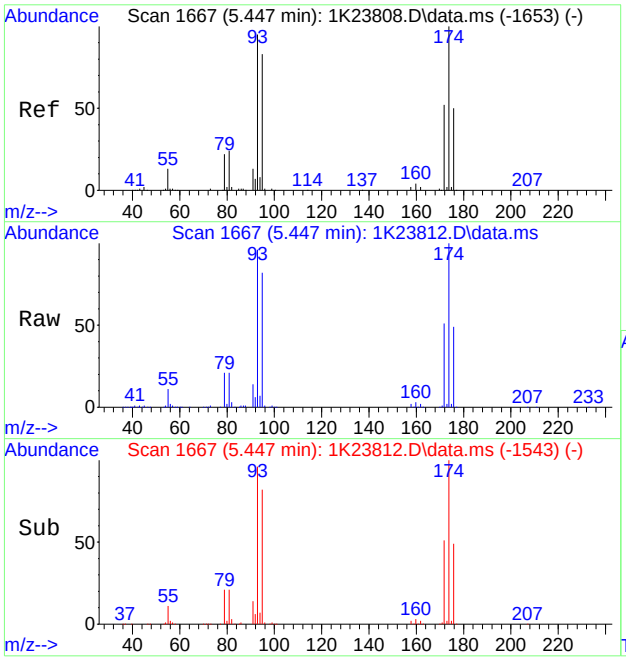


#65
methylcyclohexane
Concen: 195.77 ug/L
RT: 5.167 min Scan# 1580
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion: 98 Resp: 974344

Ion	Ratio	Lower	Upper
98	100		
55	182.8	162.4	222.4
83	199.6	177.4	237.4

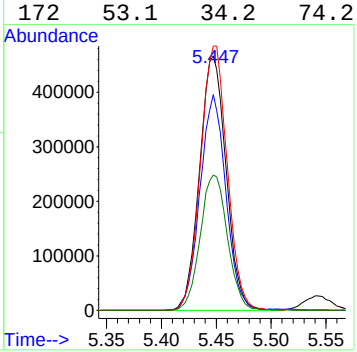


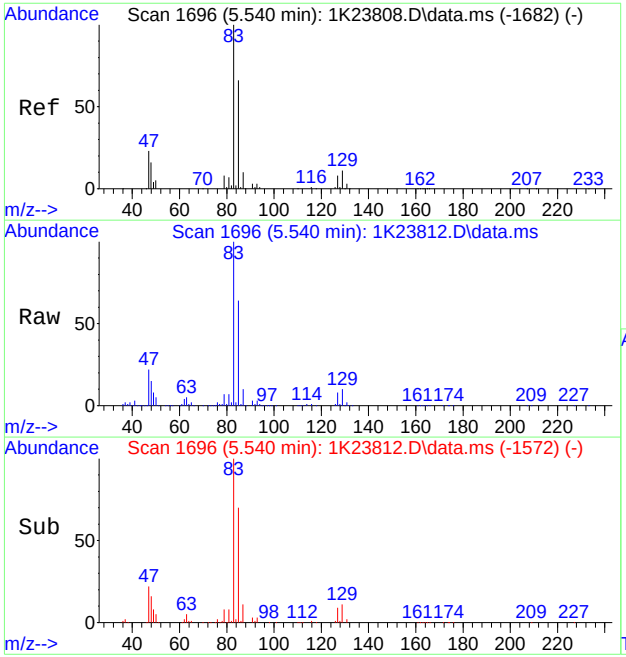


#66
dibromomethane
Concen: 190.59 ug/L
RT: 5.447 min Scan# 1667
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion: 93 Resp: 786638

Ion	Ratio	Lower	Upper
93	100		
95	84.7	57.5	117.5
174	103.8	75.1	135.1
172	53.1	34.2	74.2

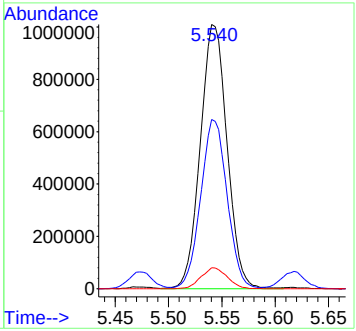


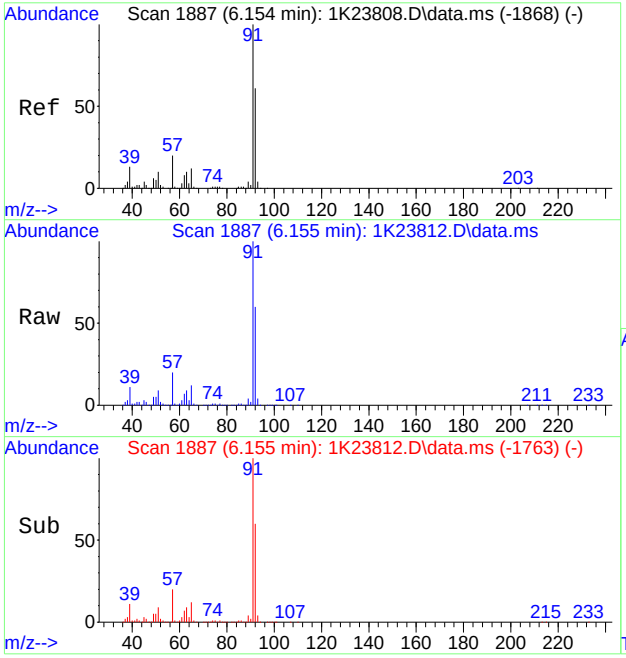


#67
bromodichloromethane
Concen: 188.97 ug/L
RT: 5.540 min Scan# 1696
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion: 83 Resp: 1763348

Ion	Ratio	Lower	Upper
83	100		
85	62.7	35.5	95.5
127	7.9	0.0	37.9

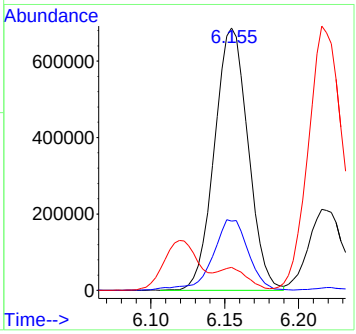


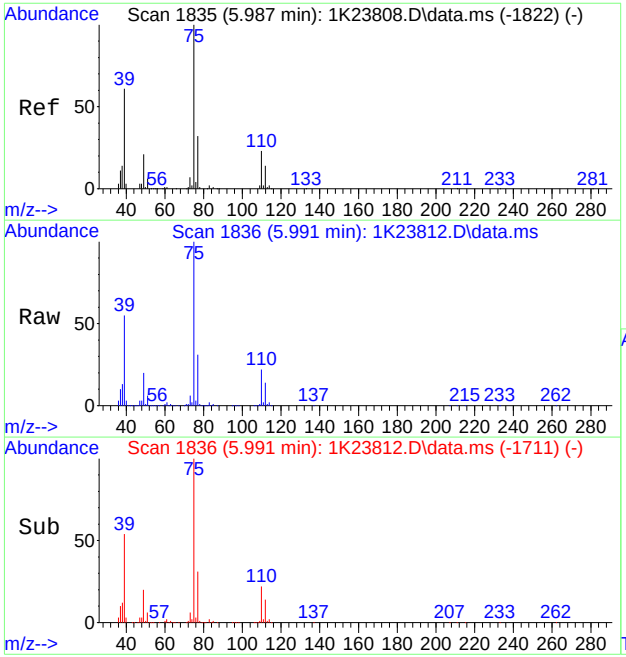


#68
epichlorohydrin
Concen: 965.95 ug/L
RT: 6.155 min Scan# 1887
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion: 57 Resp: 1083949

Ion	Ratio	Lower	Upper
57	100		
49	26.1	8.2	48.2
42	6.1	0.0	27.5

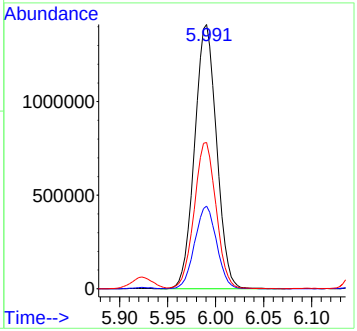


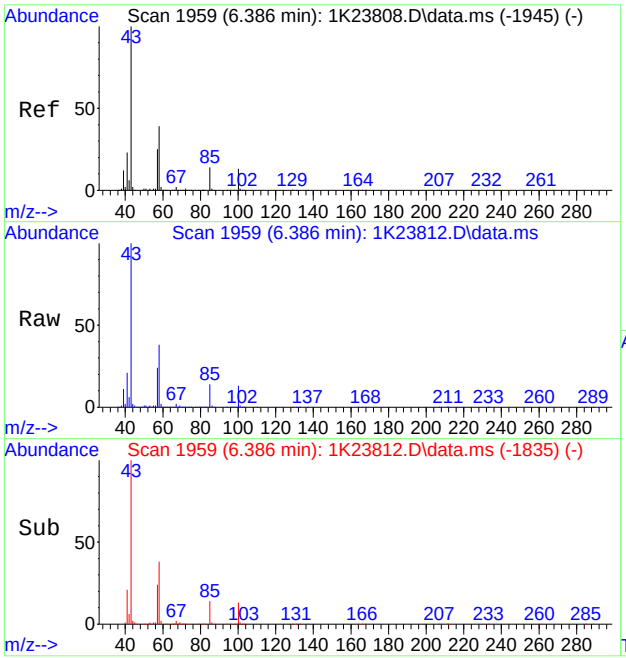


#69
cis-1,3-dichloropropene
Concen: 198.72 ug/L
RT: 5.991 min Scan# 1836
Delta R.T. 0.003 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion: 75 Resp: 2254969

Ion	Ratio	Lower	Upper
75	100		
77	31.2	2.2	62.2
39	55.3	31.6	91.6

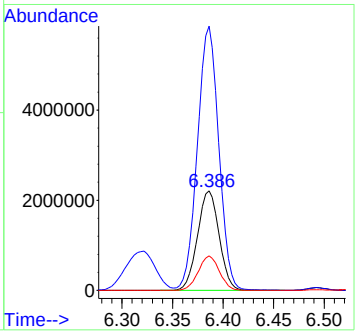


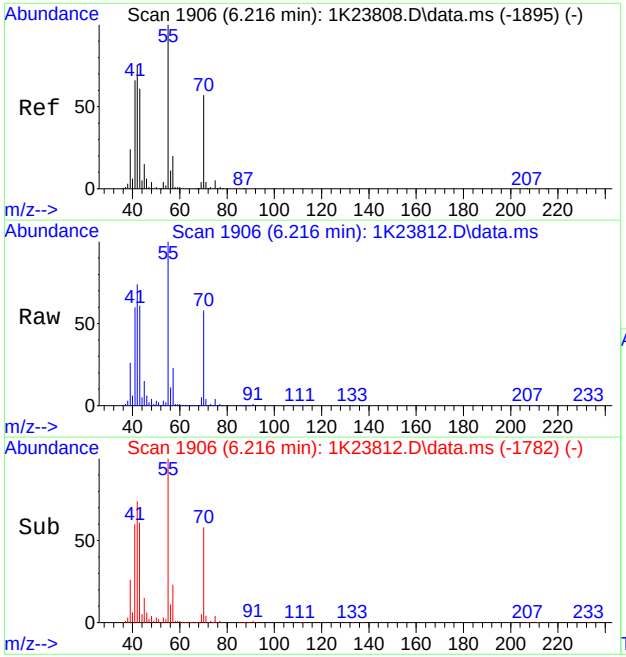


#70
4-methyl-2-pentanone
Concen: 749.80 ug/L
RT: 6.386 min Scan# 1959
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion: 58 Resp: 3286536

Ion	Ratio	Lower	Upper
58	100		
43	265.2	235.3	295.3
100	34.6	2.2	62.2

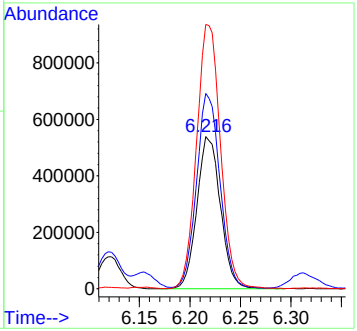


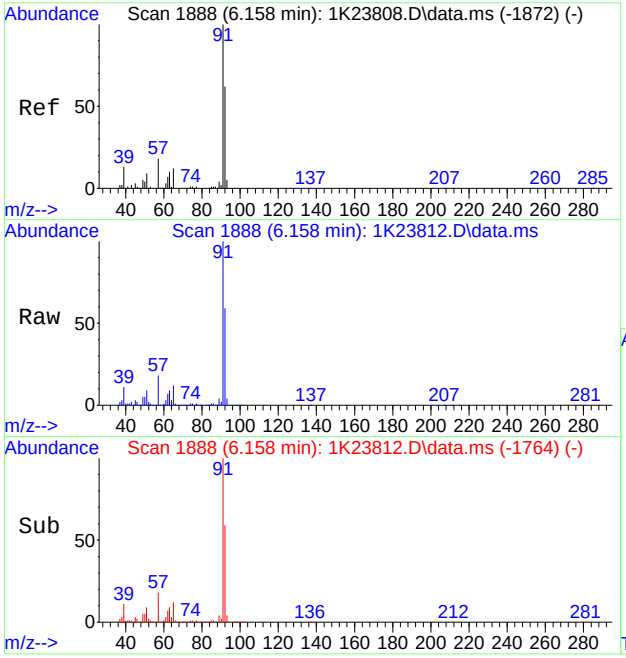


#71
3-methyl-1-butanol
Concen: 4497.41 ug/L
RT: 6.216 min Scan# 1906
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion: 70 Resp: 873020

Ion	Ratio	Lower	Upper
70	100		
42	125.3	103.4	163.4
55	173.7	146.9	206.9

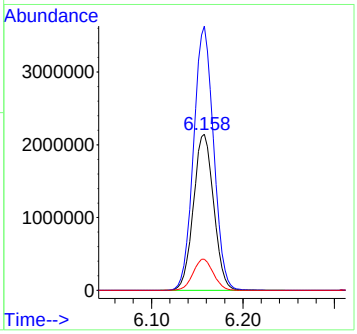


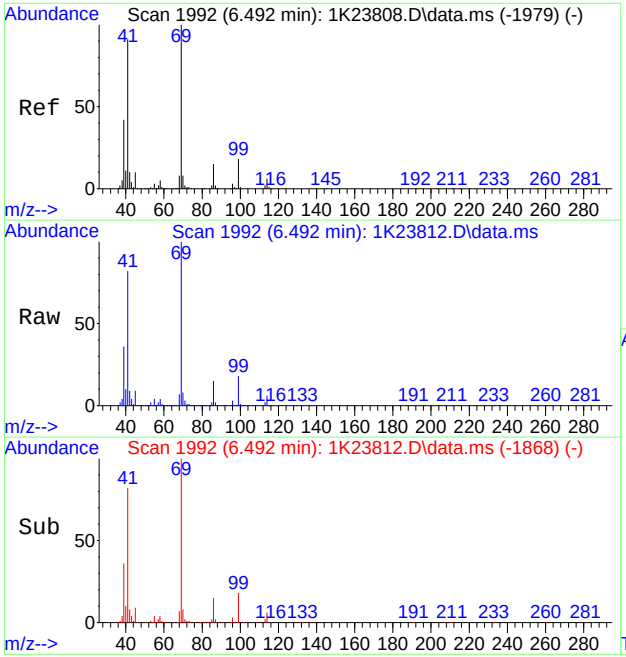


#74
toluene
Concen: 194.90 ug/L
RT: 6.158 min Scan# 1888
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion: 92 Resp: 3295767

Ion	Ratio	Lower	Upper
92	100		
91	169.3	140.0	180.0
65	19.9	0.0	39.6

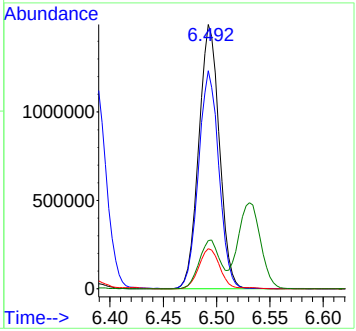


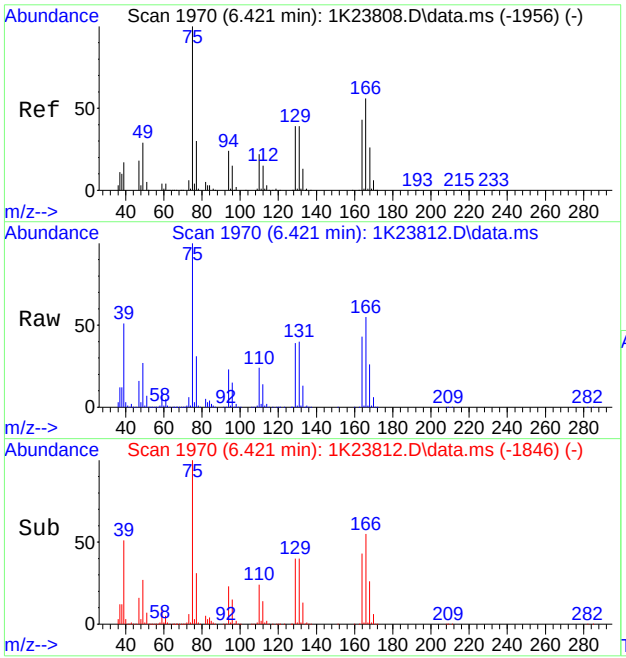


#75
ethyl methacrylate
Concen: 202.46 ug/L
RT: 6.492 min Scan# 1992
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion: 69 Resp: 2000828

Ion	Ratio	Lower	Upper
69	100		
41	82.3	71.2	111.2
86	15.2	0.0	35.1
99	18.2	0.0	38.4

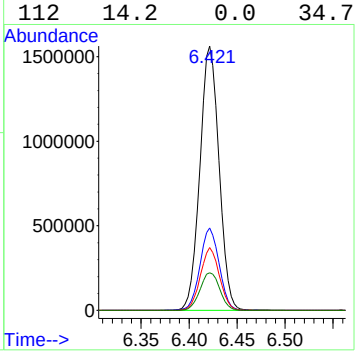




#76
trans-1,3-dichloropropene
Concen: 198.55 ug/L
RT: 6.421 min Scan# 1970
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

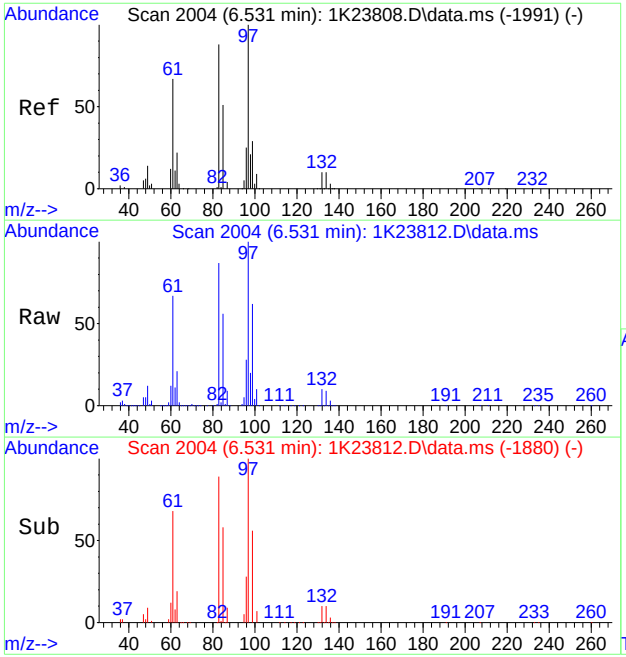
Tgt Ion: 75 Resp: 2171538

Ion	Ratio	Lower	Upper
75	100		
77	31.1	10.4	50.4
110	23.7	2.4	42.4
112	14.2	0.0	34.7



7.6.10

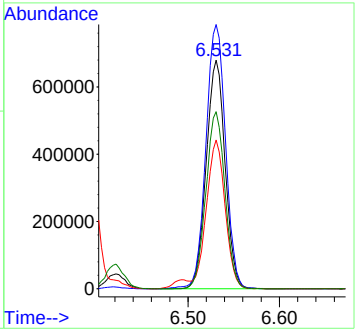
7

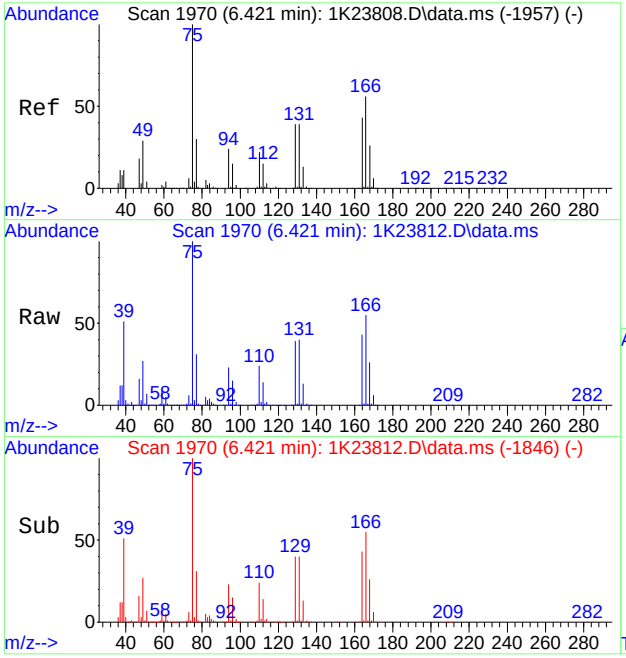


#77
1,1,2-trichloroethane
Concen: 206.45 ug/L
RT: 6.531 min Scan# 2004
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion: 83 Resp: 983024

Ion	Ratio	Lower	Upper
83	100		
97	115.6	94.4	134.4
85	65.0	41.5	81.5
61	77.4	56.0	96.0

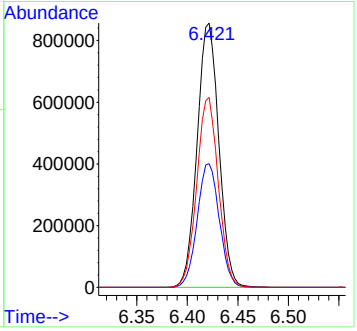


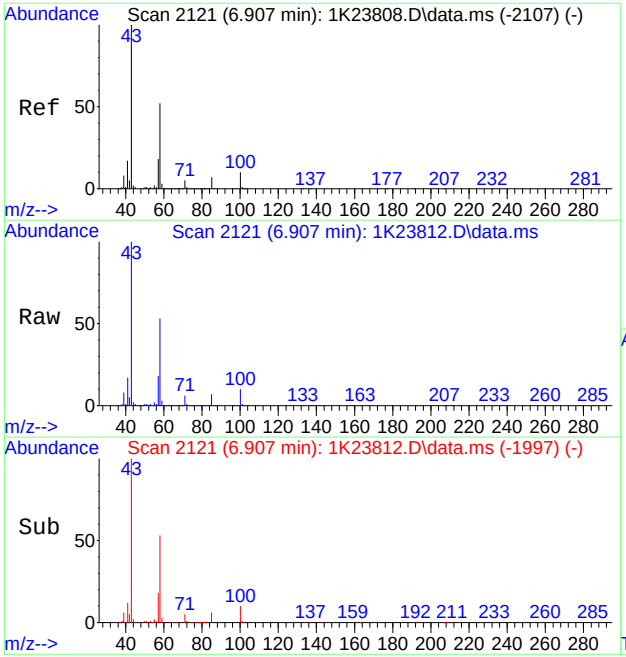


#78
tetrachloroethene
Concen: 195.30 ug/L
RT: 6.421 min Scan# 1970
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion:166 Resp: 1283112

Ion	Ratio	Lower	Upper
166	100		
168	46.7	17.0	77.0
129	71.9	39.8	99.8

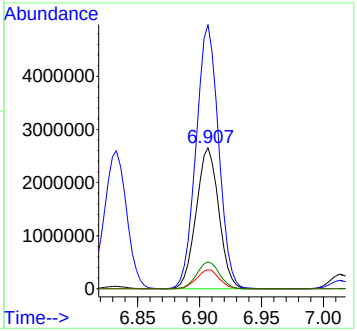


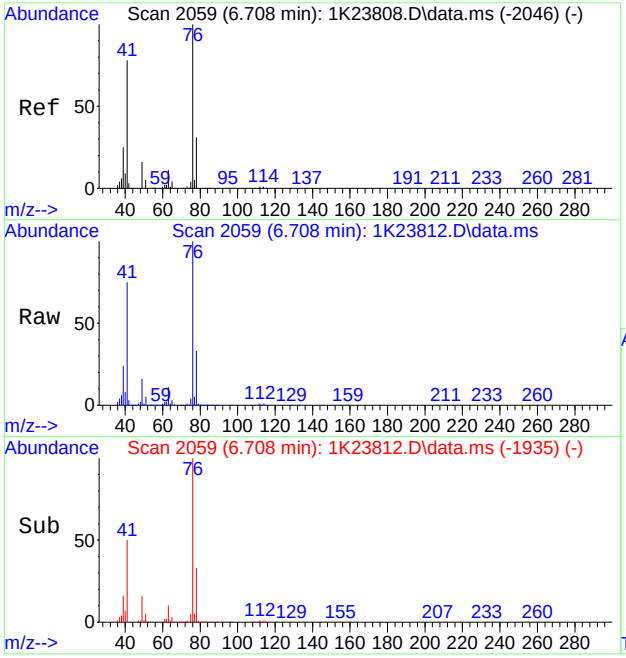


#79
2-hexanone
Concen: 754.50 ug/L
RT: 6.907 min Scan# 2121
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion: 58 Resp: 3368907

Ion	Ratio	Lower	Upper
58	100		
43	187.3	172.5	212.5
85	13.5	0.0	32.5
100	19.2	0.0	39.5

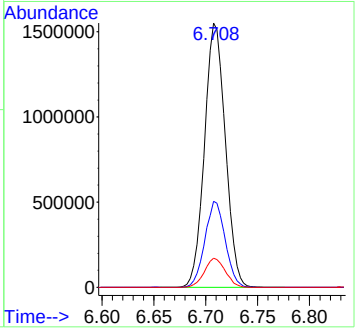


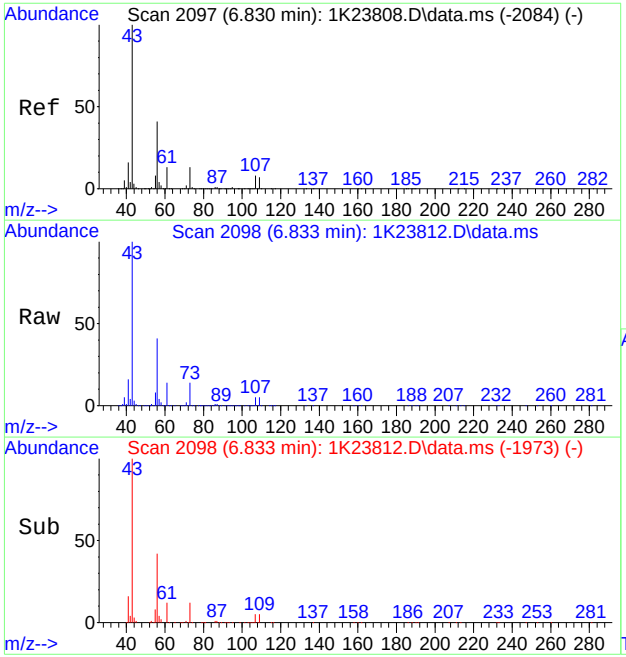


#80
1,3-dichloropropane
Concen: 202.64 ug/L
RT: 6.708 min Scan# 2059
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion: 76 Resp: 2165255

Ion	Ratio	Lower	Upper
76	100		
78	32.5	0.6	60.6
63	11.0	0.0	41.5

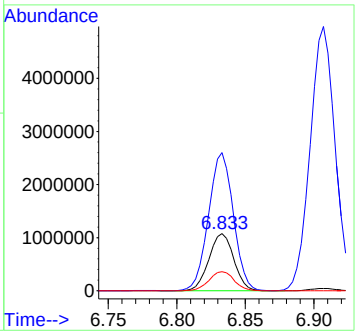


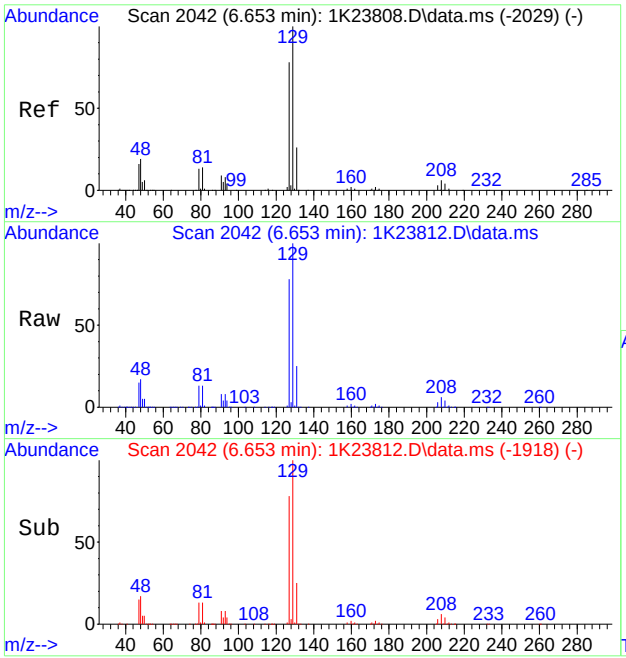


#81
butyl acetate
Concen: 187.62 ug/L
RT: 6.833 min Scan# 2098
Delta R.T. 0.003 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion: 56 Resp: 1359468

Ion	Ratio	Lower	Upper
56	100		
43	240.7	215.3	275.3
73	33.5	2.2	62.2

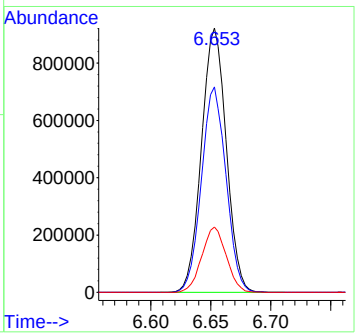




#82
dibromochloromethane
Concen: 196.57 ug/L
RT: 6.653 min Scan# 2042
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

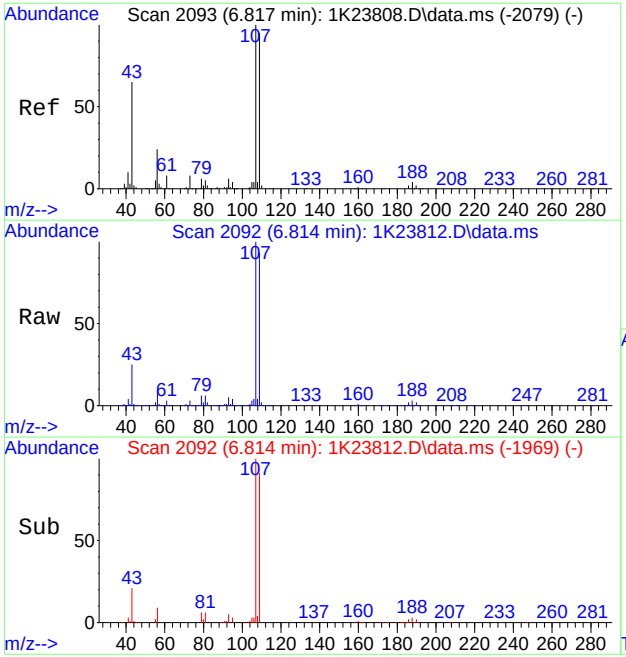
Tgt Ion:129 Resp: 1324373

Ion	Ratio	Lower	Upper
129	100		
127	77.7	47.8	107.8
131	24.7	0.0	55.8



7.6.10

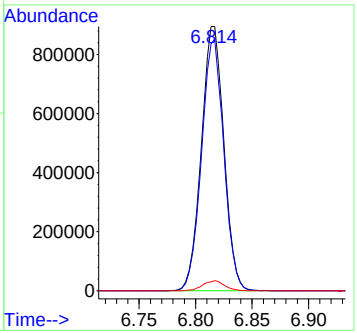
7

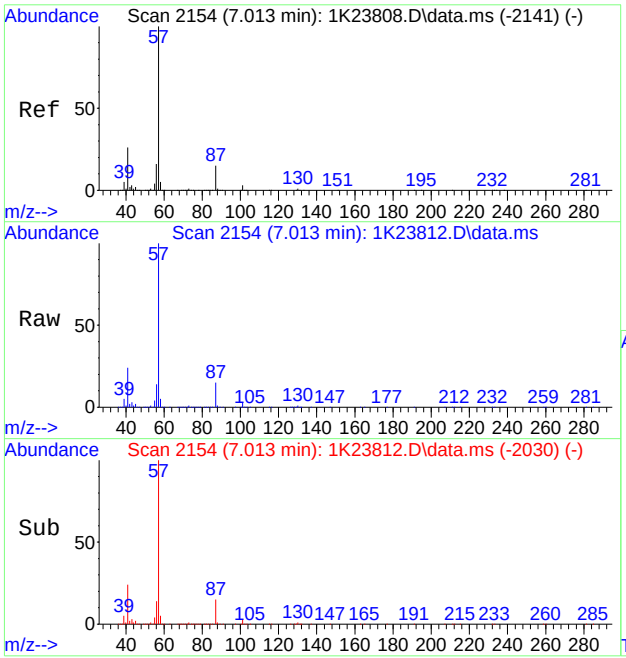


#83
1,2-dibromoethane
Concen: 205.54 ug/L
RT: 6.814 min Scan# 2092
Delta R.T. -0.003 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion:107 Resp: 1238474

Ion	Ratio	Lower	Upper
107	100		
109	93.3	65.3	125.3
188	3.4	0.0	33.6

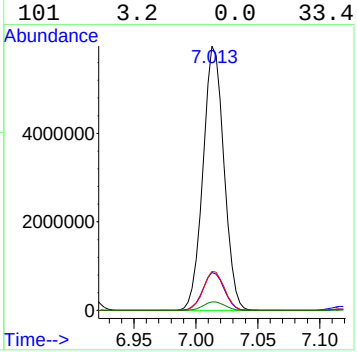


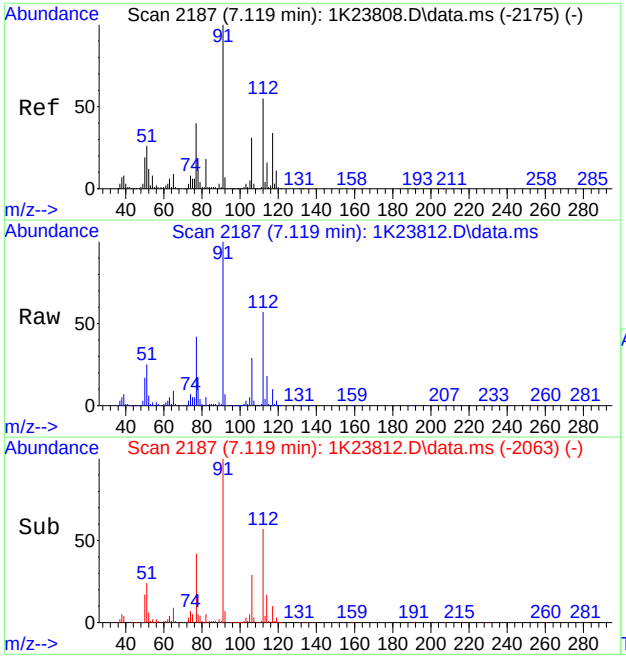


#84
n-butyl ether
Concen: 197.32 ug/L
RT: 7.013 min Scan# 2154
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion: 57 Resp: 7009899

Ion	Ratio	Lower	Upper
57	100		
56	14.3	0.0	45.7
87	14.7	0.0	44.9
101	3.2	0.0	33.4

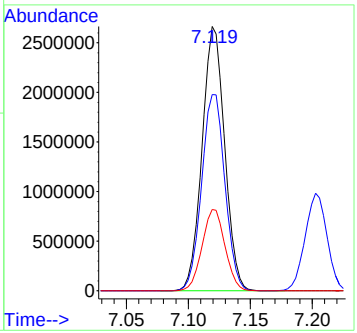


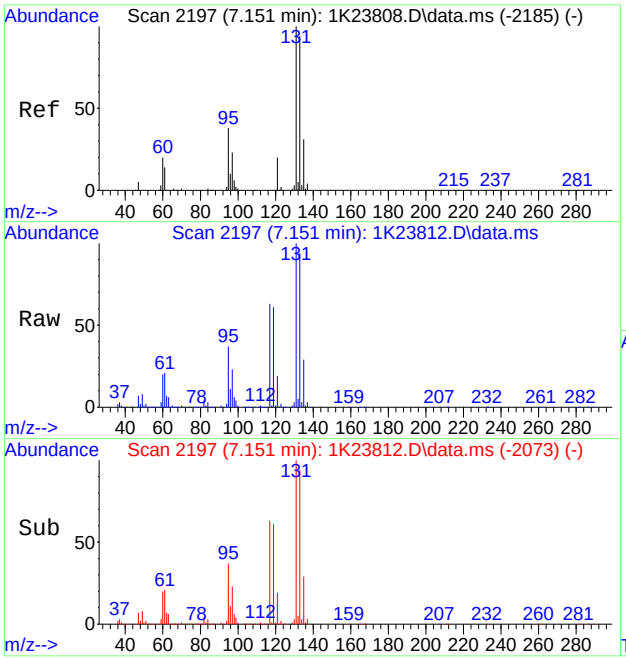


#85
chlorobenzene
Concen: 192.50 ug/L
RT: 7.119 min Scan# 2187
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion:112 Resp: 3371433

Ion	Ratio	Lower	Upper
112	100		
77	74.2	43.7	103.7
114	30.7	0.0	59.8

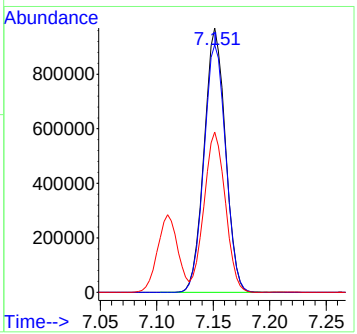


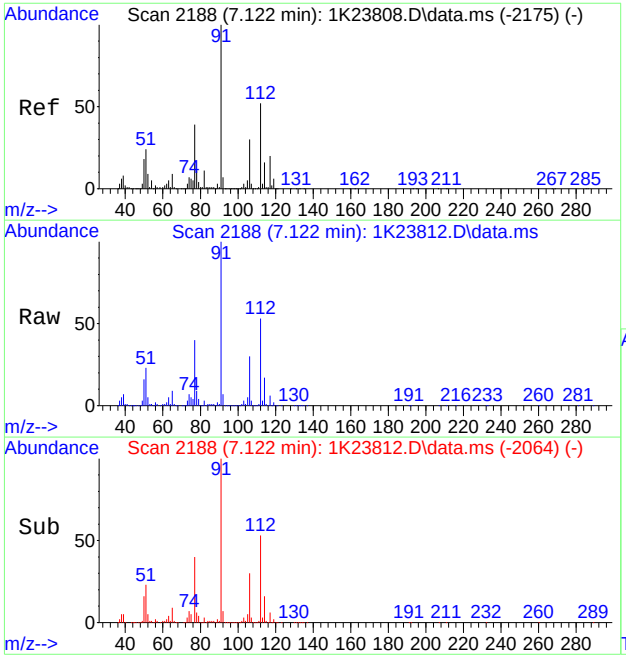


#86
1,1,1,2-tetrachloroethane
Concen: 196.74 ug/L
RT: 7.151 min Scan# 2197
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion:131 Resp: 1265837

Ion	Ratio	Lower	Upper
131	100		
133	93.6	64.3	124.3
119	60.5	27.7	87.7

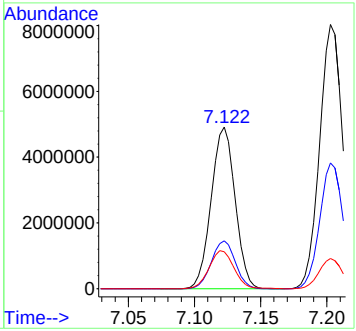


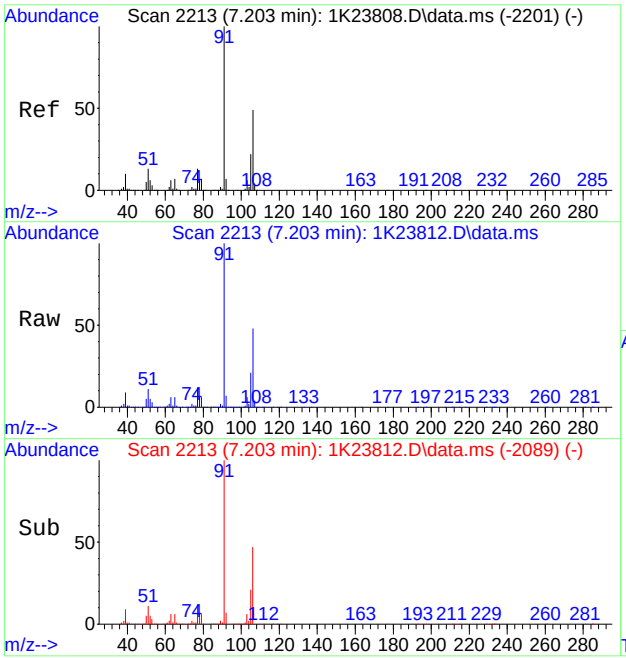


#87
ethylbenzene
Concen: 191.81 ug/L
RT: 7.122 min Scan# 2188
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion: 91 Resp: 6170341

Ion	Ratio	Lower	Upper
91	100		
106	29.7	0.3	60.3
51	23.0	0.0	54.3

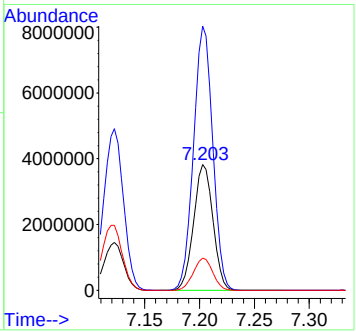


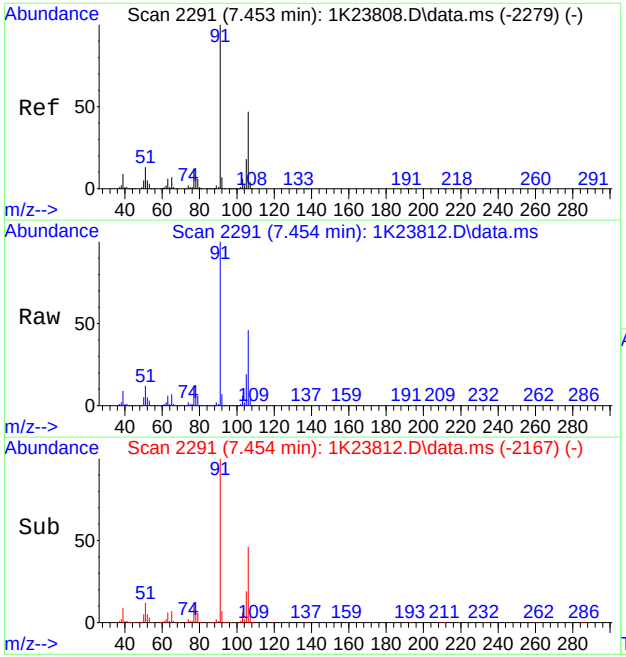


#88
m,p-xylene
Concen: 387.66 ug/L
RT: 7.203 min Scan# 2213
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion:106 Resp: 4675281

Ion	Ratio	Lower	Upper
106	100		
91	209.9	176.0	236.0
77	25.7	5.9	45.9

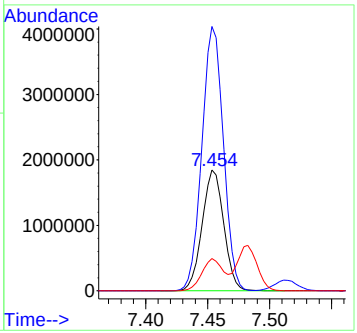


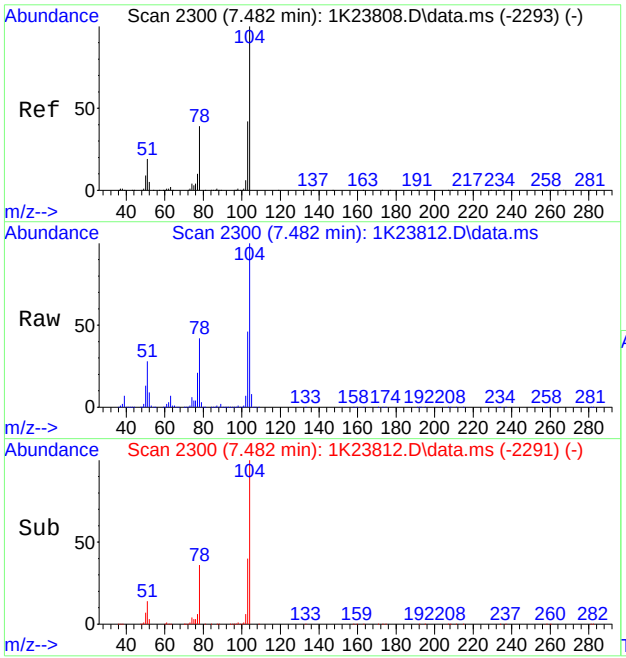


#89
o-xylene
Concen: 194.03 ug/L
RT: 7.454 min Scan# 2291
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion:106 Resp: 2237732

Ion	Ratio	Lower	Upper
106	100		
91	218.6	183.9	243.9
77	26.6	5.0	45.0

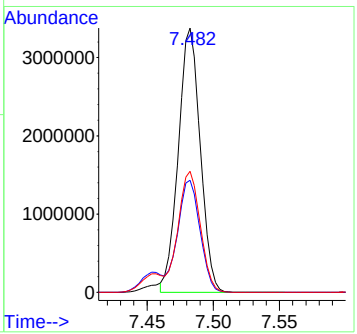


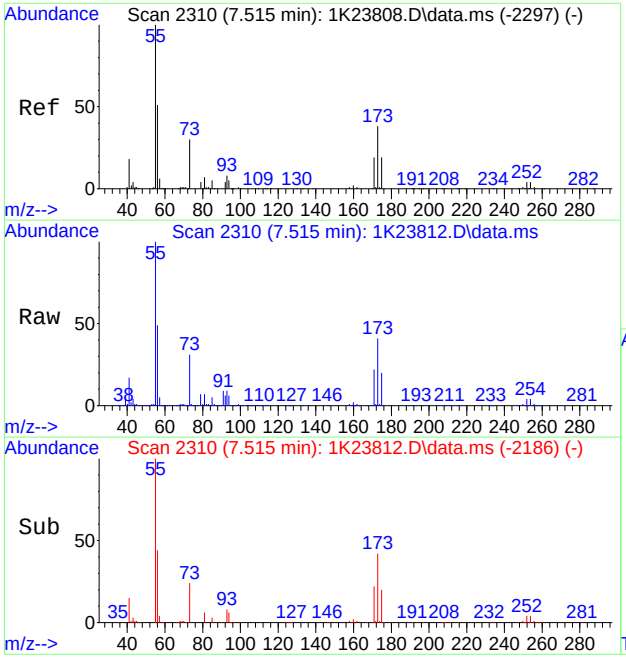


#90
styrene
Concen: 200.21 ug/L
RT: 7.482 min Scan# 2300
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion:104 Resp: 3888840

Ion	Ratio	Lower	Upper
104	100		
78	42.4	13.8	73.8
103	45.8	16.3	76.3

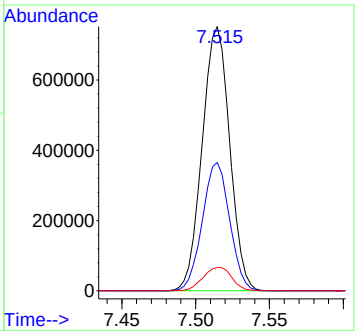


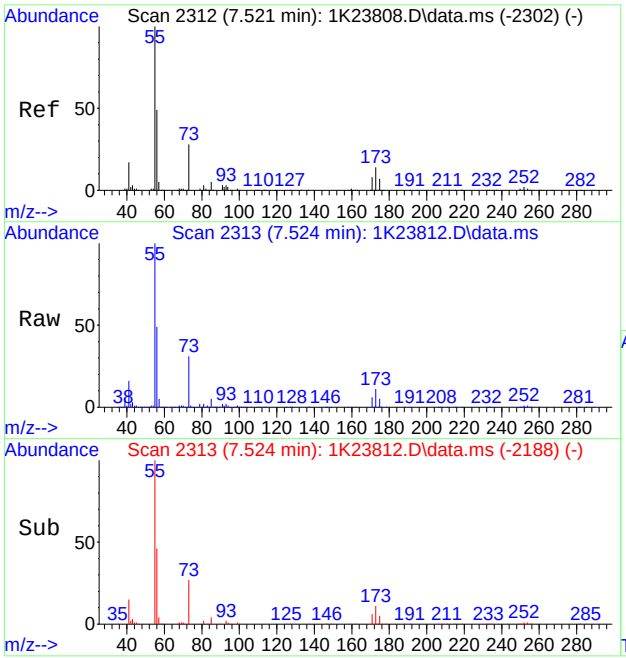


#91
bromoform
Concen: 202.89 ug/L
RT: 7.515 min Scan# 2310
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion:173 Resp: 971265

Ion	Ratio	Lower	Upper
173	100		
175	48.6	20.6	80.6
254	8.8	0.0	39.4

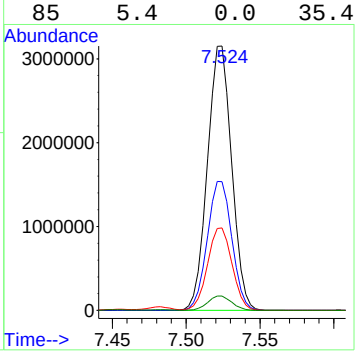


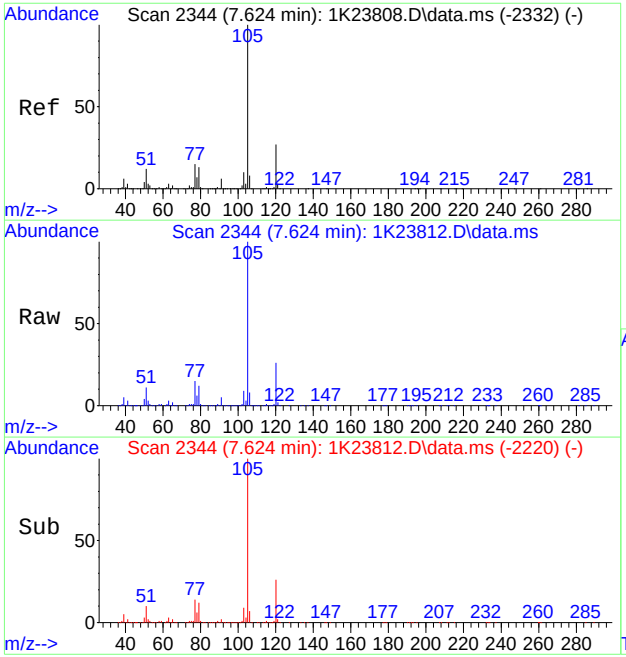


#92
butyl acrylate
Concen: 190.90 ug/L
RT: 7.524 min Scan# 2313
Delta R.T. 0.003 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion: 55 Resp: 3592166

Ion	Ratio	Lower	Upper
55	100		
56	48.7	19.2	79.2
73	31.1	0.0	59.1
85	5.4	0.0	35.4

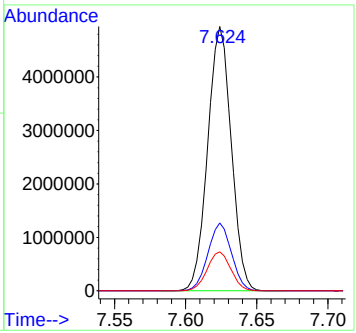


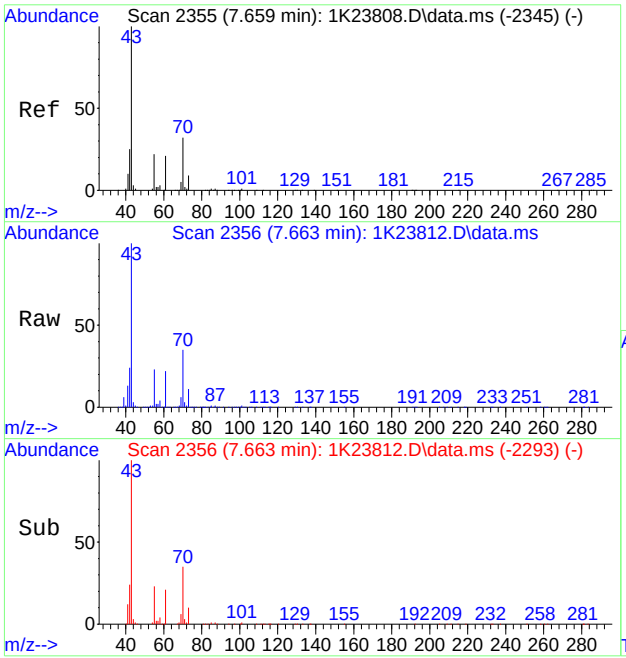


#93
isopropylbenzene
Concen: 199.85 ug/L
RT: 7.624 min Scan# 2344
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion:105 Resp: 5702135

Ion	Ratio	Lower	Upper
105	100		
120	25.7	7.4	47.4
77	14.7	0.0	35.4

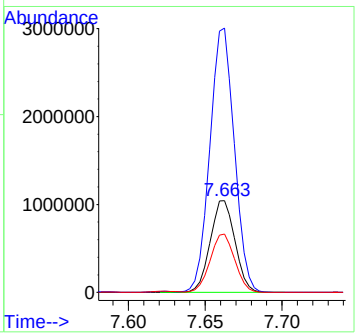


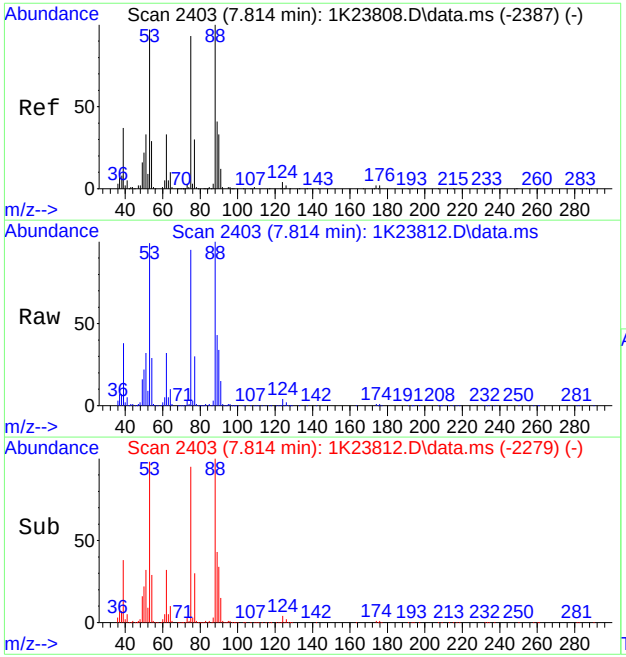


#94
n-amyl acetate
Concen: 188.96 ug/L
RT: 7.663 min Scan# 2356
Delta R.T. 0.003 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion: 70 Resp: 1168173

Ion	Ratio	Lower	Upper
70	100		
43	288.5	293.9	333.9#
61	63.8	48.4	88.4

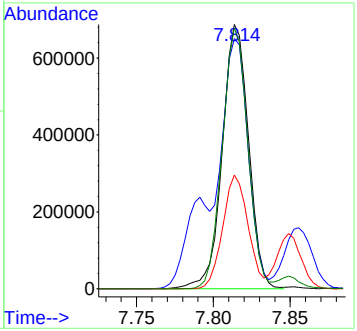


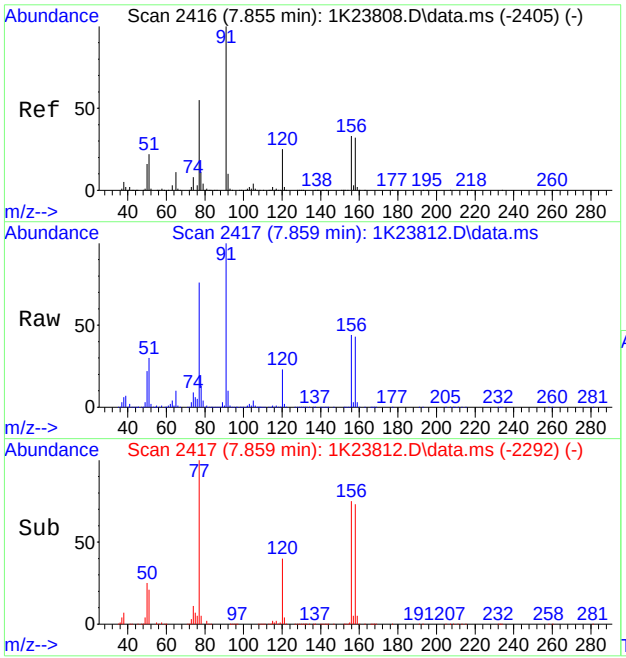


#95
cis-1,4-dichloro-2-butene
Concen: 187.84 ug/L
RT: 7.814 min Scan# 2403
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion: 88 Resp: 819622

Ion	Ratio	Lower	Upper
88	100		
75	94.4	72.9	112.9
89	43.0	20.6	60.6
53	98.6	76.9	116.9

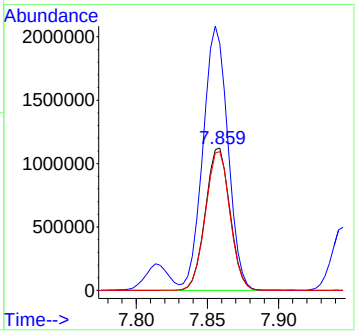


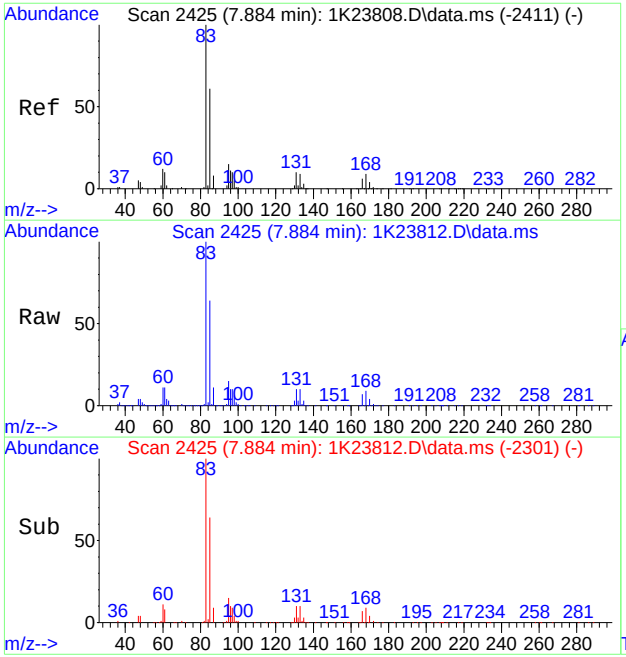


#98
bromobenzene
Concen: 195.30 ug/L
RT: 7.859 min Scan# 2417
Delta R.T. 0.003 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion:156 Resp: 1350772

Ion	Ratio	Lower	Upper
156	100		
77	173.4	150.1	210.1
158	97.6	66.6	126.6

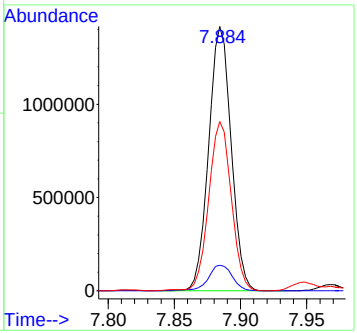


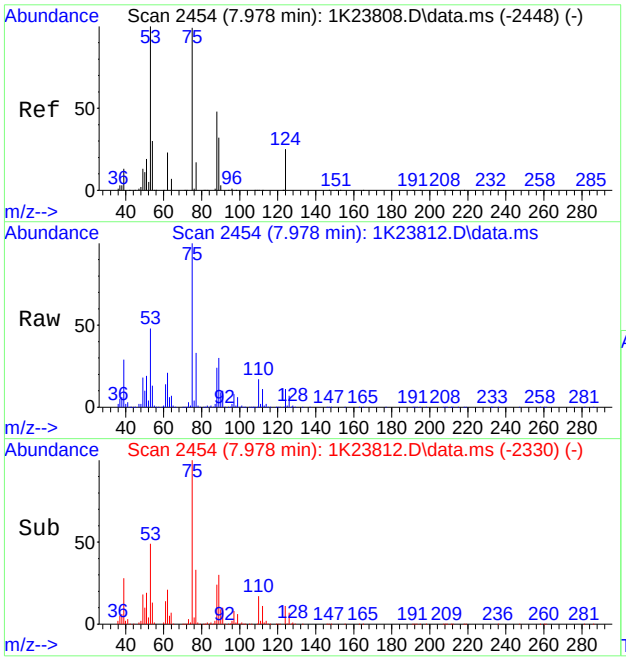


#99
1,1,2,2-tetrachloroethane
Concen: 193.85 ug/L
RT: 7.884 min Scan# 2425
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion: 83 Resp: 1671350

Ion	Ratio	Lower	Upper
83	100		
131	9.7	0.0	40.0
85	63.9	31.1	91.1

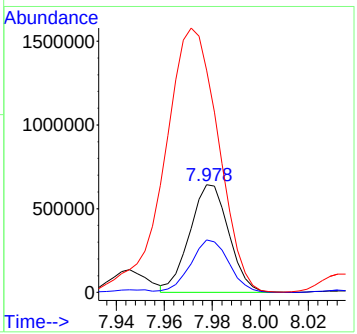


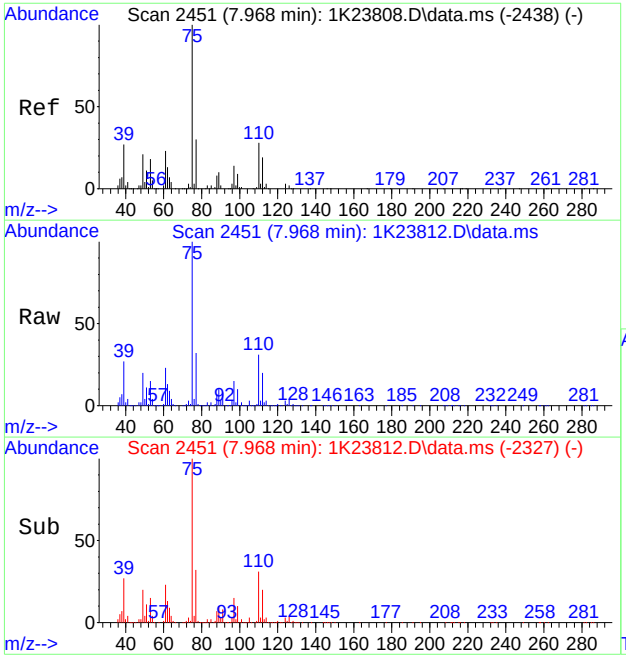


#100
trans-1,4-dichloro-2-butene
Concen: 186.95 ug/L
RT: 7.978 min Scan# 2454
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion: 53 Resp: 725778

Ion	Ratio	Lower	Upper
53	100		
88	48.6	17.1	77.1
75	206.0	162.2	222.2

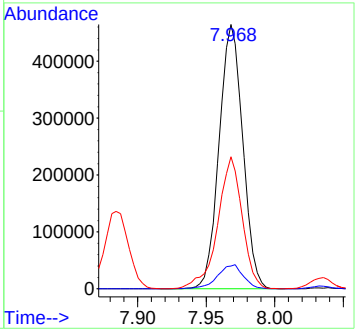


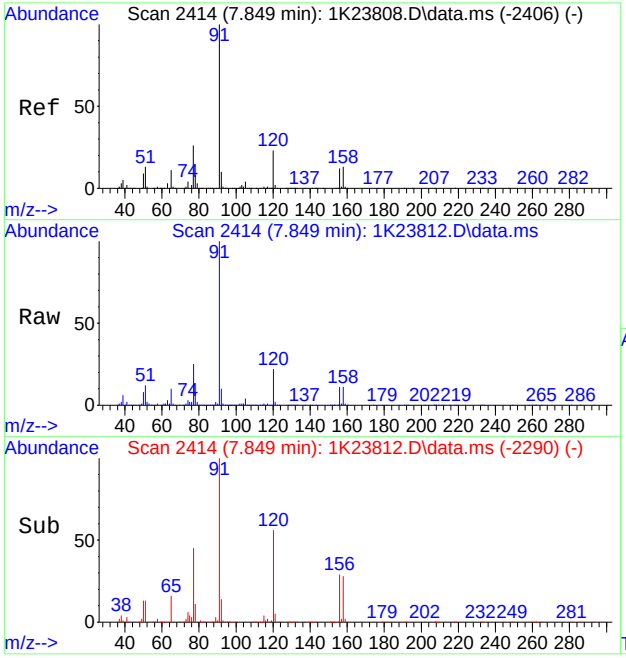


#101
1,2,3-trichloropropane
Concen: 193.09 ug/L
RT: 7.968 min Scan# 2451
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion:110 Resp: 557246

Ion	Ratio	Lower	Upper
110	100		
111	8.6	0.0	39.1
97	50.0	20.8	80.8

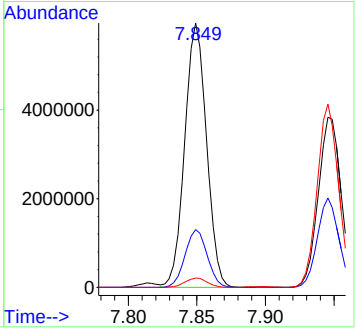


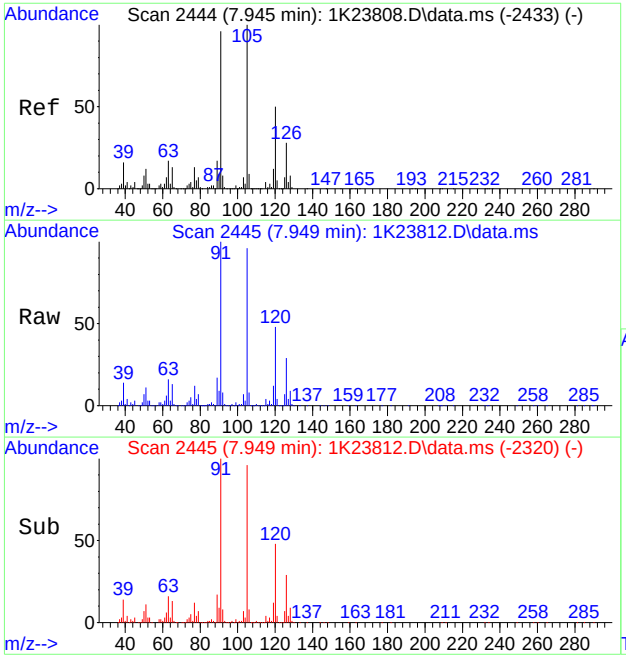


#102
n-propylbenzene
Concen: 206.11 ug/L
RT: 7.849 min Scan# 2414
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion: 91 Resp: 6574033

Ion	Ratio	Lower	Upper
91	100		
120	21.8	0.0	52.5
105	3.5	0.0	33.5

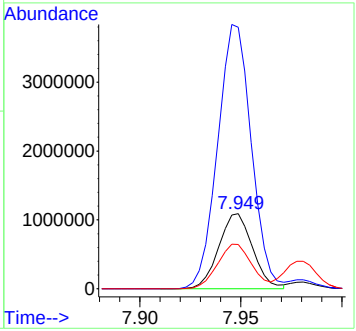


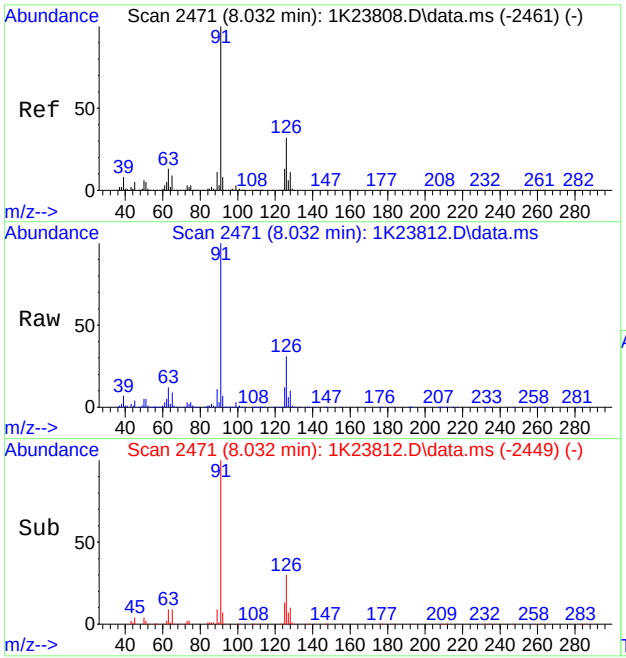


#103
2-chlorotoluene
Concen: 195.18 ug/L
RT: 7.949 min Scan# 2445
Delta R.T. 0.003 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion:126 Resp: 1273416

Ion	Ratio	Lower	Upper
126	100		
91	348.0	316.4	376.4
89	59.0	33.0	93.0

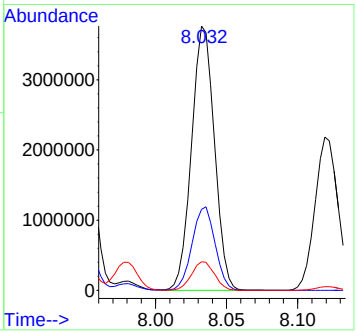


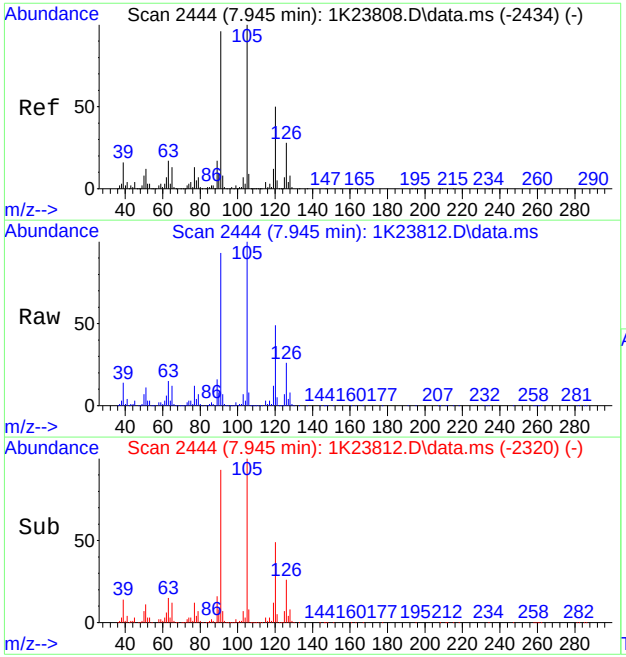


#104
4-chlorotoluene
Concen: 200.87 ug/L
RT: 8.032 min Scan# 2471
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion: 91 Resp: 4214915

Ion	Ratio	Lower	Upper
91	100		
126	30.6	2.1	62.1
89	10.9	0.0	41.4

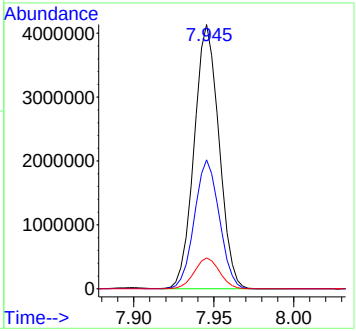


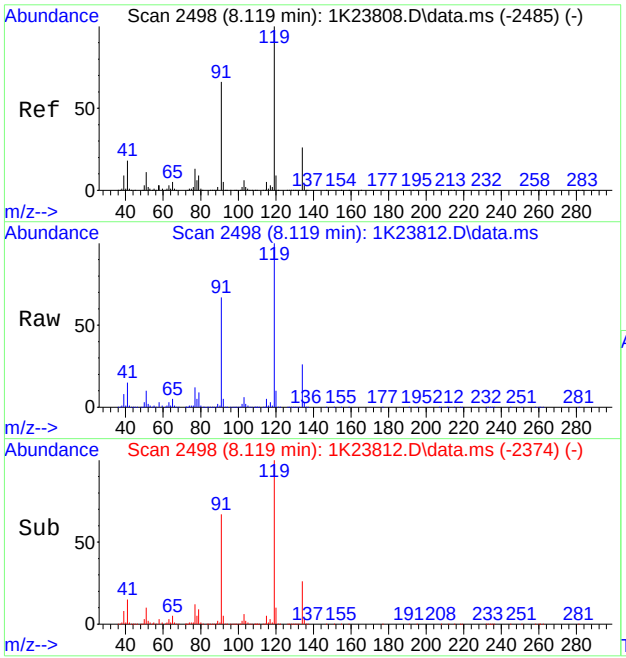


#105
1,3,5-trimethylbenzene
Concen: 204.65 ug/L
RT: 7.945 min Scan# 2444
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion:105 Resp: 4466740

Ion	Ratio	Lower	Upper
105	100		
120	48.7	20.0	80.0
119	11.7	0.0	41.7

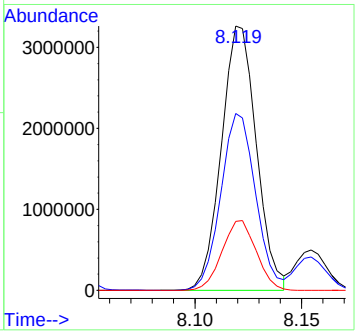


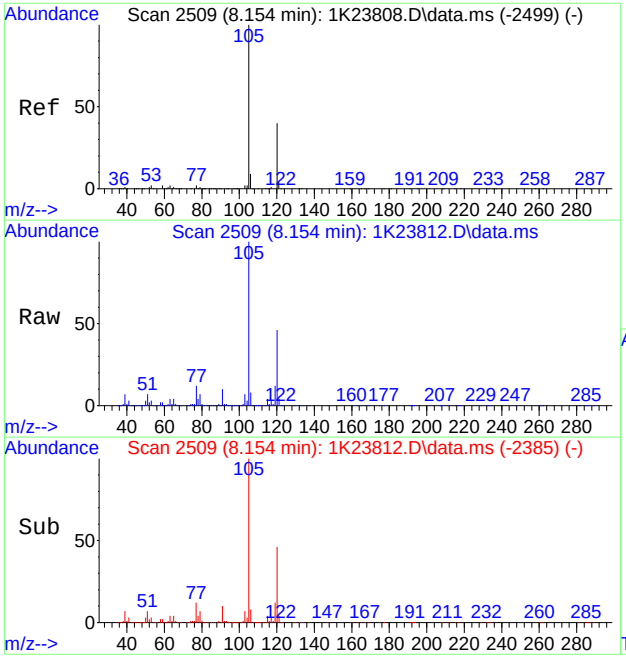


#106
tert-butylbenzene
Concen: 198.63 ug/L
RT: 8.119 min Scan# 2498
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion:119 Resp: 3733392

Ion	Ratio	Lower	Upper
119	100		
91	66.8	36.3	96.3
134	26.0	0.0	56.2

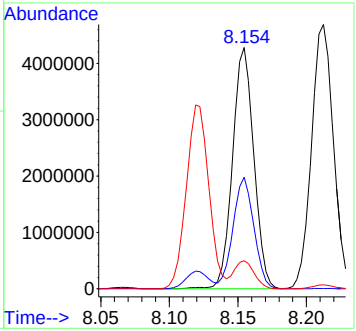


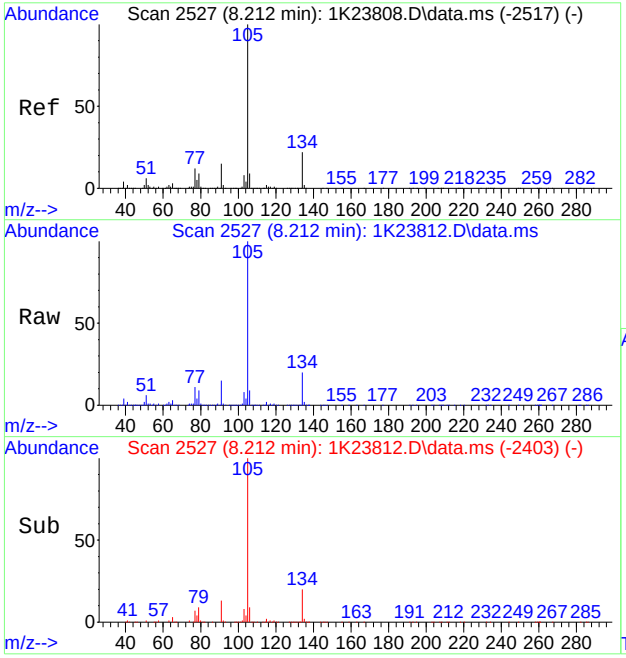


#107
1,2,4-trimethylbenzene
Concen: 204.27 ug/L
RT: 8.154 min Scan# 2509
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion:105 Resp: 4624543

Ion	Ratio	Lower	Upper
105	100		
120	46.2	17.1	77.1
119	11.7	0.0	42.1

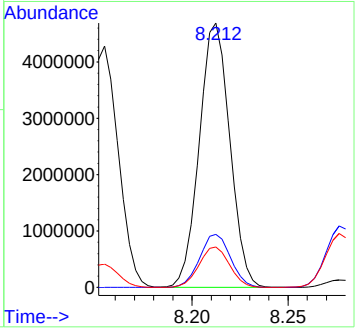


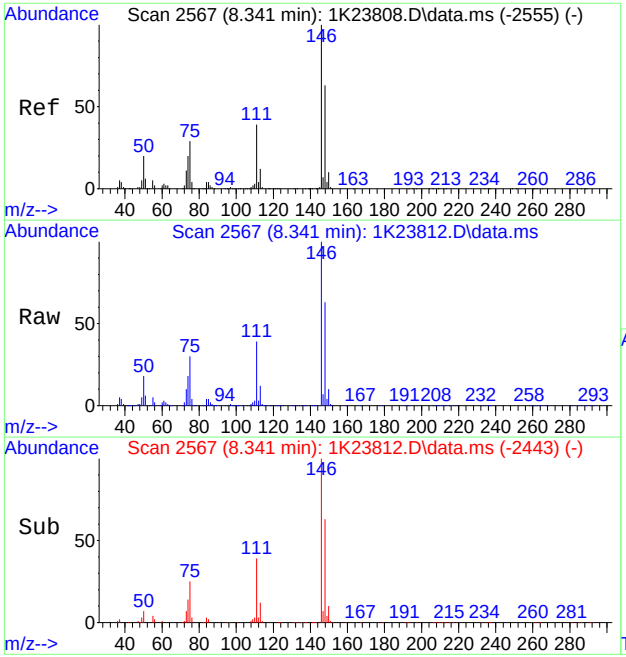


#108
sec-butylbenzene
Concen: 207.01 ug/L
RT: 8.212 min Scan# 2527
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion:105 Resp: 5191529

Ion	Ratio	Lower	Upper
105	100		
134	20.0	0.0	51.5
91	15.3	0.0	45.0

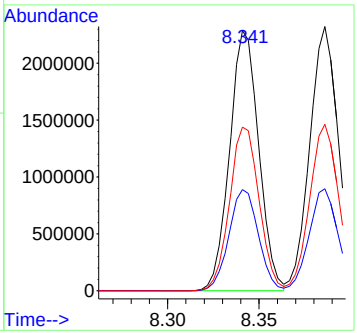


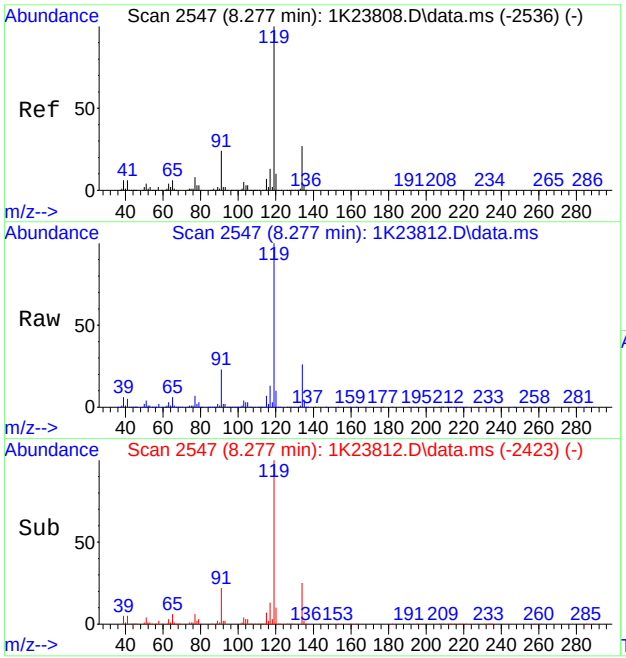


#109
1,3-dichlorobenzene
Concen: 201.87 ug/L
RT: 8.341 min Scan# 2567
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion:146 Resp: 2545329

Ion	Ratio	Lower	Upper
146	100		
111	38.9	8.9	68.9
148	62.9	32.9	92.9

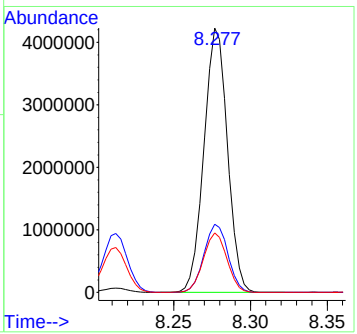


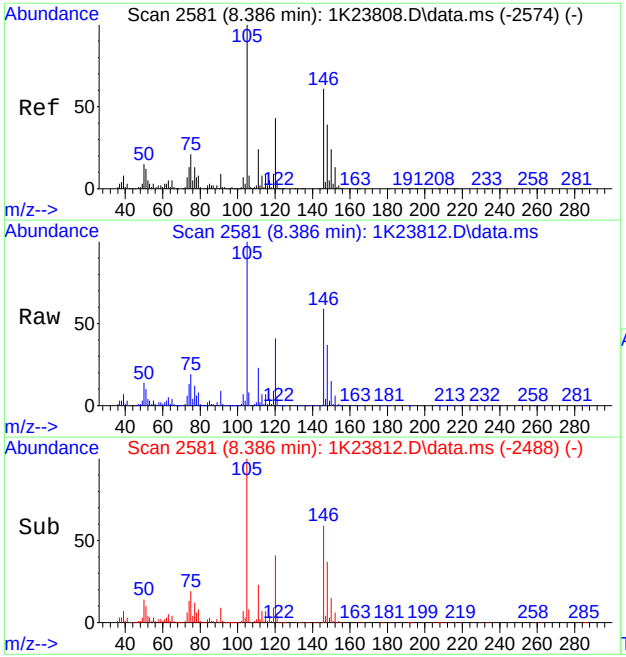


#110
p-isopropyltoluene
Concen: 206.08 ug/L
RT: 8.277 min Scan# 2547
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion:119 Resp: 4490337

Ion	Ratio	Lower	Upper
119	100		
134	25.8	0.0	56.8
91	22.5	0.0	53.8

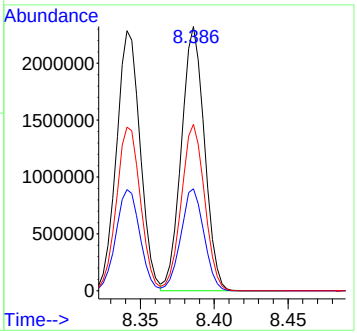


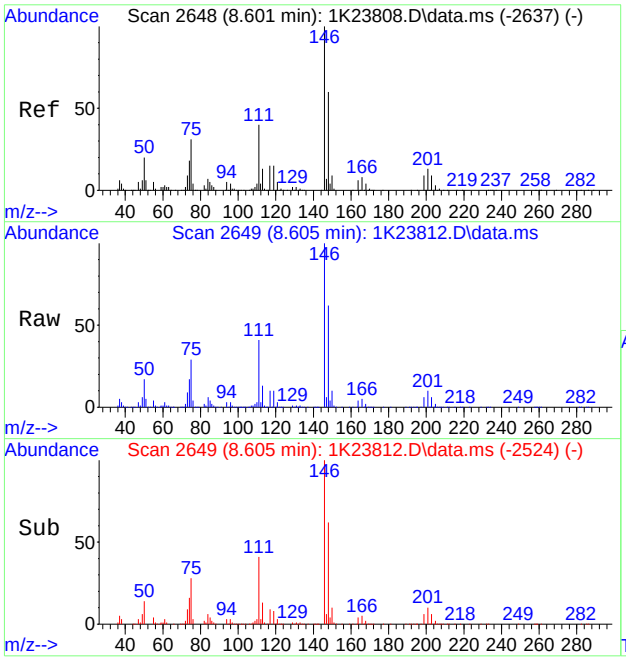


#111
1,4-dichlorobenzene
Concen: 193.91 ug/L
RT: 8.386 min Scan# 2581
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion:146 Resp: 2536240

Ion	Ratio	Lower	Upper
146	100		
111	38.6	9.1	69.1
148	63.0	33.9	93.9

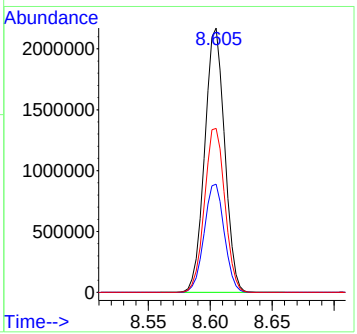


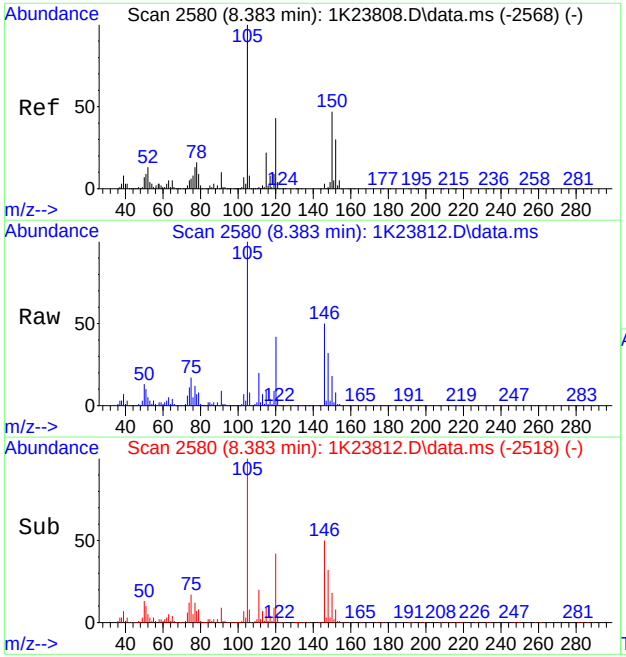


#112
1,2-dichlorobenzene
Concen: 201.39 ug/L
RT: 8.605 min Scan# 2649
Delta R.T. 0.003 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion:146 Resp: 2426730

Ion	Ratio	Lower	Upper
146	100		
111	41.0	9.9	69.9
148	62.0	30.0	90.0

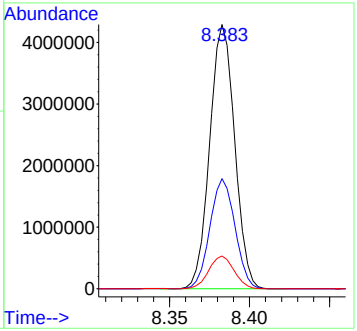


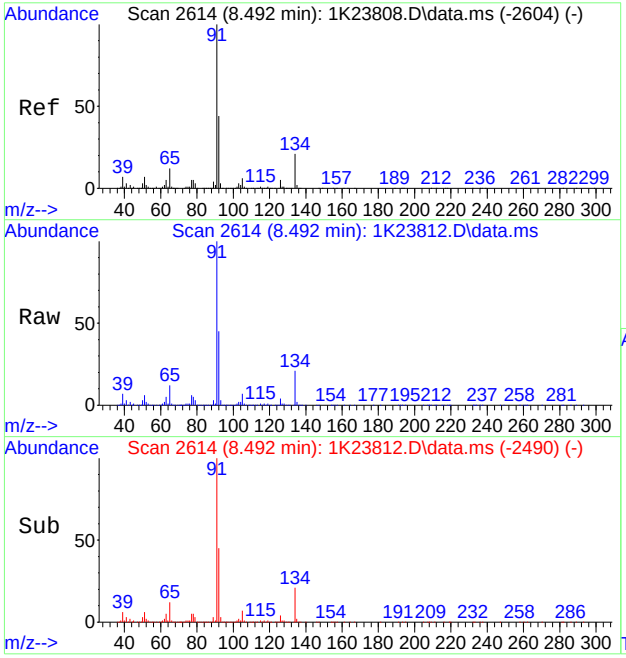


#113
1,2,3-trimethylbenzene
Concen: 199.35 ug/L
RT: 8.383 min Scan# 2580
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion:105 Resp: 4655987

Ion	Ratio	Lower	Upper
105	100		
120	41.6	12.7	72.7
77	12.4	0.0	43.6

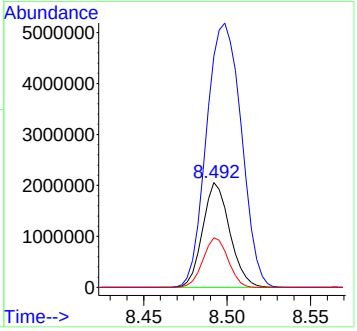


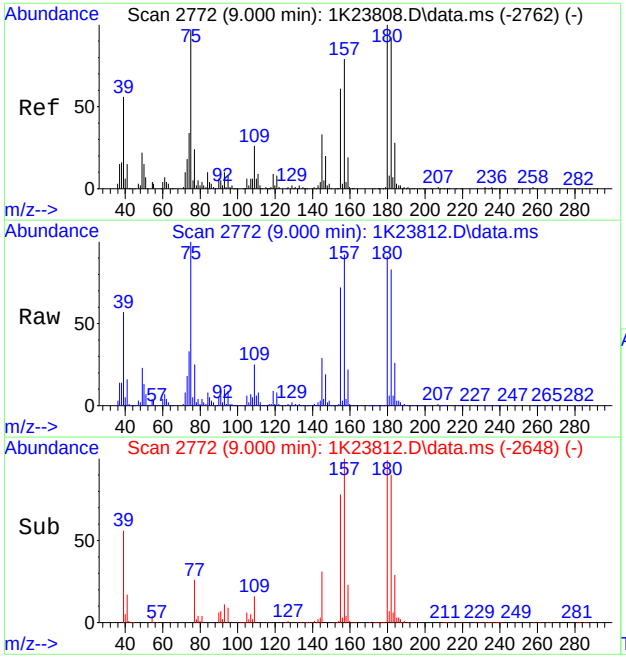


#114
n-butylbenzene
Concen: 199.24 ug/L
RT: 8.492 min Scan# 2614
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion: 92 Resp: 2318476

Ion	Ratio	Lower	Upper
92	100		
91	220.6	199.3	259.3
134	47.4	17.7	77.7

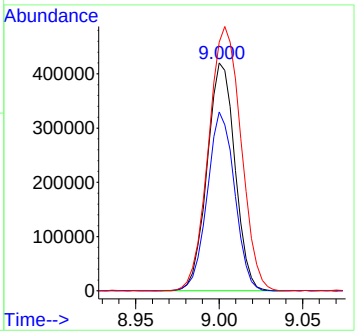


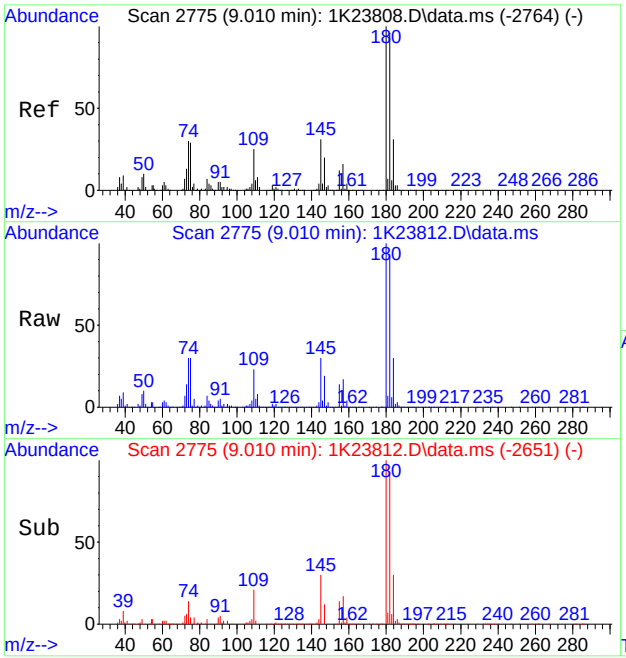


#115
1,2-dibromo-3-chloropropane
Concen: 199.55 ug/L
RT: 9.000 min Scan# 2772
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion:157 Resp: 485175

Ion	Ratio	Lower	Upper
157	100		
155	78.5	47.8	107.8
75	108.9	92.6	152.6

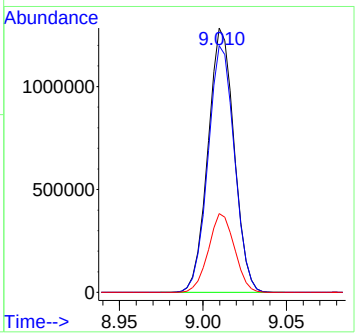


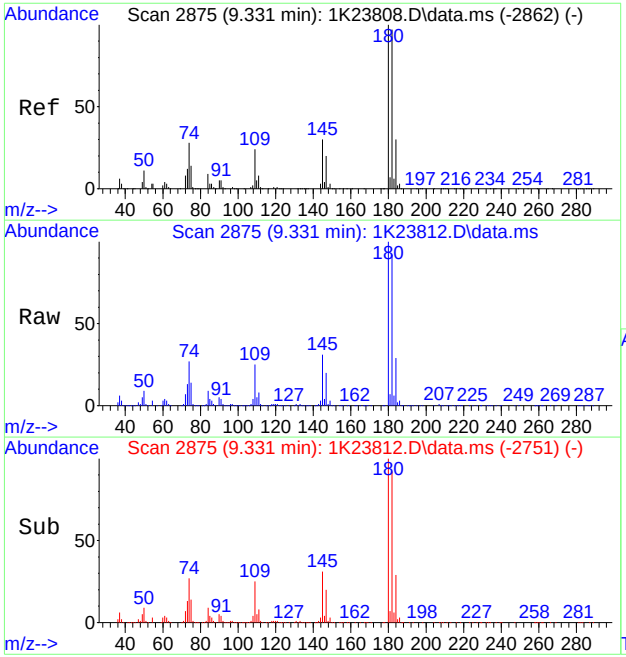


#116
1,3,5-trichlorobenzene
Concen: 194.62 ug/L
RT: 9.010 min Scan# 2775
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion:180 Resp: 1392149

Ion	Ratio	Lower	Upper
180	100		
182	93.2	76.0	116.0
184	29.8	11.0	51.0

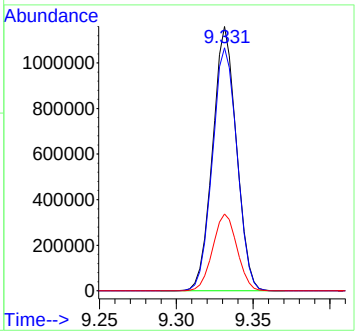


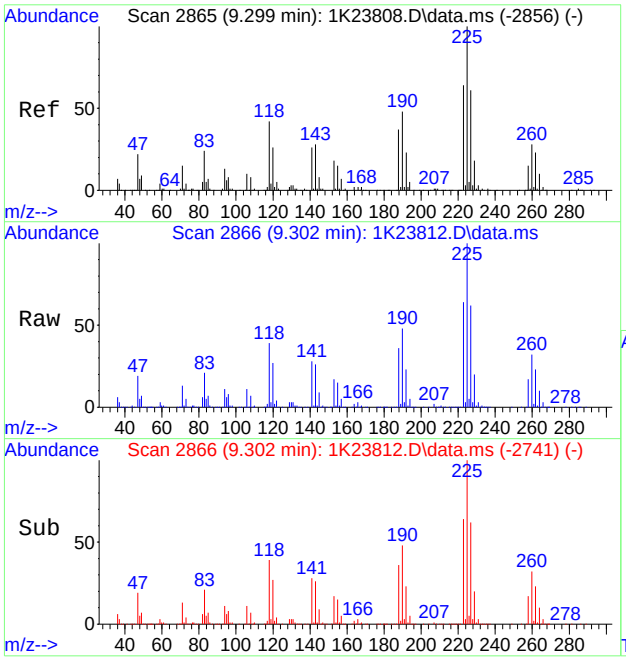


#117
1,2,4-trichlorobenzene
Concen: 196.34 ug/L
RT: 9.331 min Scan# 2875
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion:180 Resp: 1251042

Ion	Ratio	Lower	Upper
180	100		
182	91.9	67.0	127.0
184	29.1	0.2	60.2

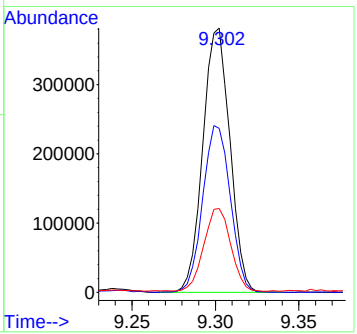


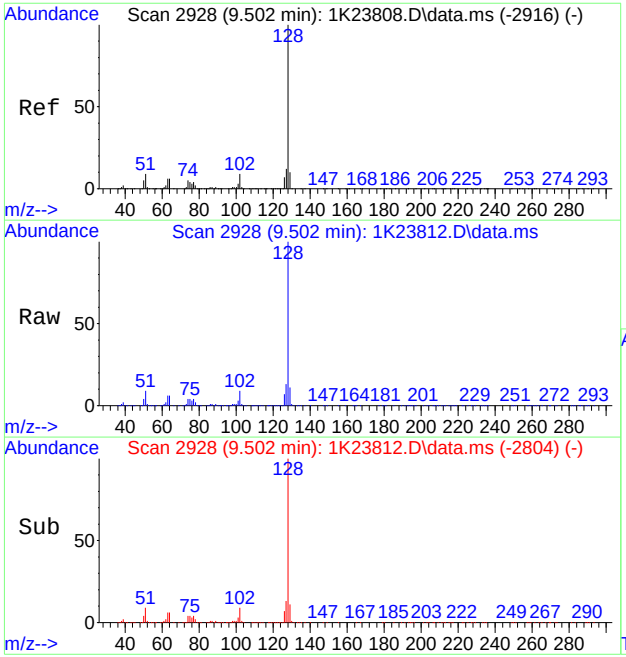


#118
hexachlorobutadiene
Concen: 191.81 ug/L
RT: 9.302 min Scan# 2866
Delta R.T. 0.003 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion:225 Resp: 431202

Ion	Ratio	Lower	Upper
225	100		
227	62.0	31.7	91.7
260	31.2	0.0	58.9

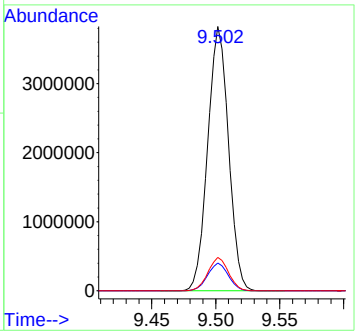


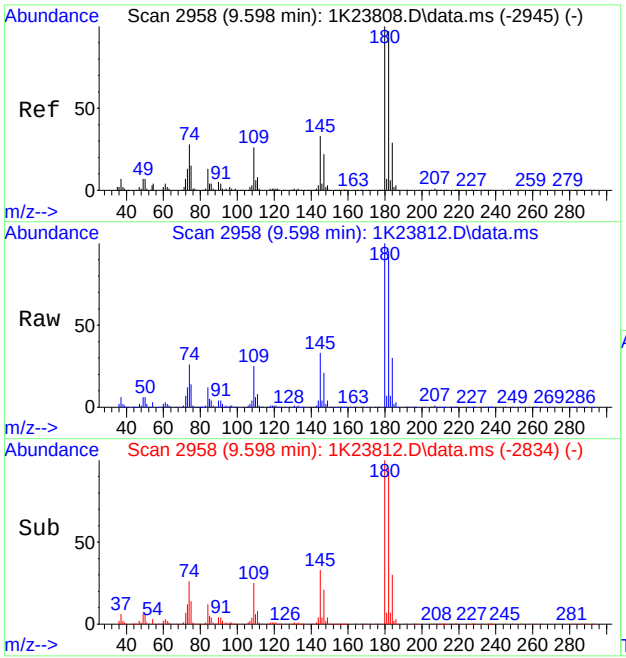


#119
naphthalene
Concen: 208.79 ug/L
RT: 9.502 min Scan# 2928
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion:128 Resp: 4328403

Ion	Ratio	Lower	Upper
128	100		
129	10.6	0.0	40.4
127	12.6	0.0	42.3

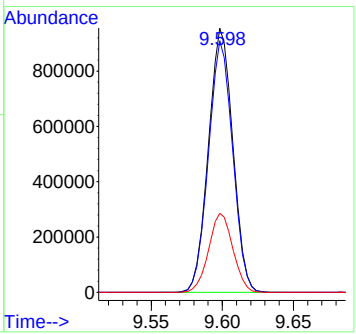


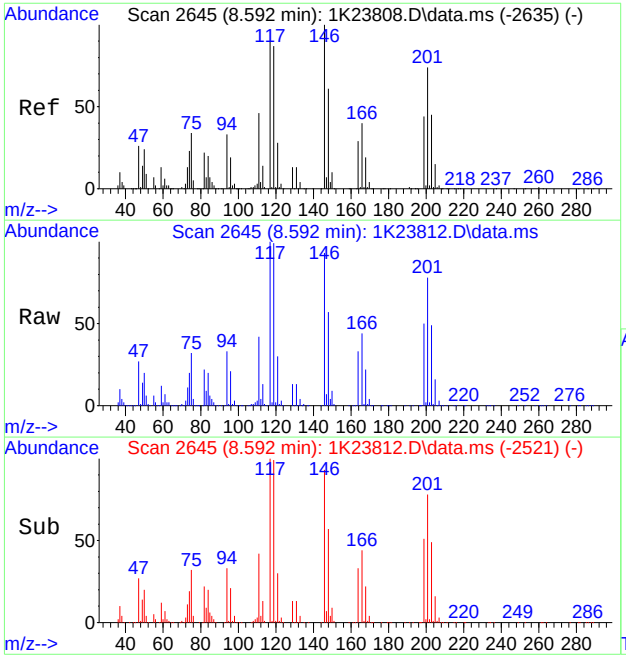


#120
1,2,3-trichlorobenzene
Concen: 203.48 ug/L
RT: 9.598 min Scan# 2958
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion:180 Resp: 1140789

Ion	Ratio	Lower	Upper
180	100		
182	95.2	66.8	126.8
184	29.9	0.0	59.3

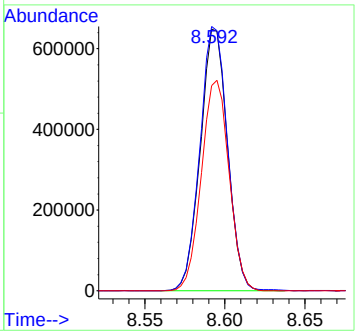


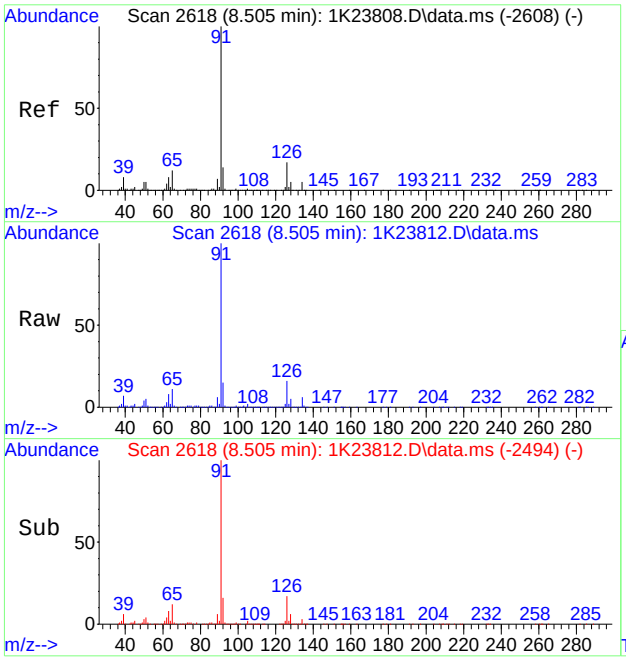


#121
hexachloroethane
Concen: 193.77 ug/L
RT: 8.592 min Scan# 2645
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion:119 Resp: 766981

Ion	Ratio	Lower	Upper
119	100		
117	101.0	74.2	134.2
201	78.4	55.5	115.5

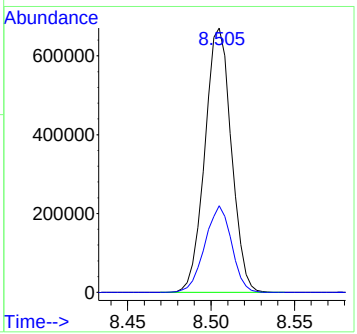


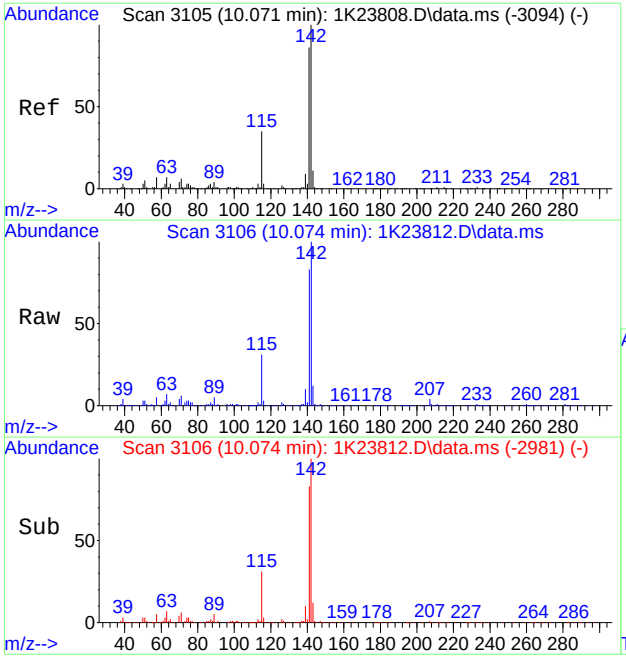


#122
benzyl chloride
Concen: 193.49 ug/L
RT: 8.505 min Scan# 2618
Delta R.T. 0.000 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion:126 Resp: 739404

Ion	Ratio	Lower	Upper
126	100		
128	32.7	0.0	59.1

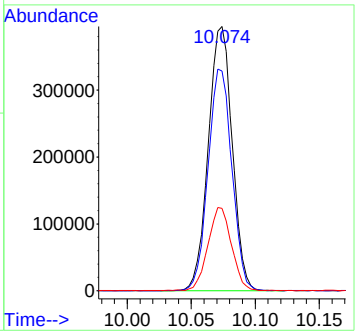




#123
2-methylnaphthalene
Concen: 64.49 ug/L
RT: 10.074 min Scan# 3106
Delta R.T. 0.003 min
Lab File: 1K23812.D
Acq: 6 Sep 2025 2:14 am

Tgt Ion:142 Resp: 514047

Ion	Ratio	Lower	Upper
142	100		
141	83.1	56.3	116.3
115	31.1	4.7	64.7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 1K23818.D
Acq On : 6 Sep 2025 3:56 am
Operator : PrashanS
Sample : ICV658-50
Misc : MS95614,V1K658,5,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 08 11:55:50 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 11:46:54 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	3.492	65	399534	500.00	ug/L	0.00
5) pentafluorobenzene	4.807	168	837864	50.00	ug/L	0.00
50) 1,4-difluorobenzene	5.171	114	1359036	50.00	ug/L	0.00
72) chlorobenzene-d5	7.109	117	1083397	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	8.376	152	524179	50.00	ug/L	0.00
124) pentafluorobenzene(a)	4.807	168	837864	50.00	ug/L	0.00
128) 1,4-dichlorobenzene-d4(a)	8.376	152	524179	50.00	ug/L	0.00
System Monitoring Compounds						
42) dibromofluoromethane (s)	4.521	113	359456	50.39	ug/L	0.00
Spiked Amount 50.000	Range 75 - 127		Recovery = 100.78%			
51) 1,2-dichloroethane-d4 (s)	4.878	65	445954	46.99	ug/L	0.00
Spiked Amount 50.000	Range 75 - 130		Recovery = 93.98%			
73) toluene-d8 (s)	6.119	98	1518644	50.10	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.20%			
97) 4-bromofluorobenzene (s)	7.791	95	550919	49.48	ug/L	0.00
Spiked Amount 50.000	Range 79 - 127		Recovery = 98.96%			
Target Compounds						Qvalue
2) ethanol	2.817	45	330831	6054.0937	ug/L	91
3) tertiary butyl alcohol	3.544	59	239013	240.1458	ug/L	88
4) 1,4-dioxane	5.672	88	61378	1558.0310	ug/L	82
7) dichlorodifluoromethane	1.714	85	408124	47.4813	ug/L	97
8) chloromethane	1.894	50	515509	52.3735	ug/L	98
9) vinyl chloride	1.965	62	421036	51.3898	ug/L	99
10) 1,3-butadiene	1.978	39	307566	36.8796	ug/L	97
11) bromomethane	2.248	96	145017	59.2923	ug/L #	89
12) chloroethane	2.360	64	231756	49.9598	ug/L	98
13) trichlorofluoromethane	2.479	101	512764	44.7345	ug/L	96
14) ethyl ether	2.721	74	206469	54.3616	ug/L	88
15) acrolein	3.145	56	97239	53.8341	ug/L	89
16) freon 113	2.920	151	233028	48.3425	ug/L	99
17) 1,1-dichloroethene	2.897	61	504811	47.1033	ug/L	99
18) acetone	3.351	58	168315	206.2285	ug/L	98
19) acetonitrile	3.692	41	623403	579.7654	ug/L	99
20) iodomethane	3.020	142	268768	42.4766	ug/L	96
21) carbon disulfide	2.936	76	849879	48.1695	ug/L	99
22) methylene chloride	3.331	84	301495	50.3945	ug/L	95
23) methyl acetate	3.434	74	83954	60.3736	ug/L	99
24) methyl tert butyl ether	3.505	73	1029763	51.6690	ug/L	98
25) trans-1,2-dichloroethene	3.447	96	312142	49.3955	ug/L	96
26) hexane	3.499	57	777431	48.9240	ug/L	96
27) di-isopropyl ether	3.759	45	1333859	49.8777	ug/L	97
28) ethyl tert-butyl ether	4.007	59	1170902	49.3072	ug/L	99
29) 2-butanone	4.589	72	235429	224.6550	ug/L	93
30) 1,1-dichloroethane	3.875	63	647111	51.3705	ug/L	99
31) chloroprene	3.859	53	669198	48.2616	ug/L	97
32) acrylonitrile	3.907	52	164388	51.2913	ug/L	87
33) vinyl acetate	4.020	86	67047	43.4835	ug/L #	91
34) ethyl acetate	4.454	70	46811	50.8774	ug/L #	80
35) 2,2-dichloropropane	4.309	77	497315	47.7951	ug/L	98
36) cis-1,2-dichloroethene	4.235	96	336341	52.2705	ug/L	95
37) propionitrile	4.794	54	781198	561.4095	ug/L	96
38) methyl acrylate	4.473	85	71481	56.5897	ug/L	96
39) bromochloromethane	4.367	128	152625	52.3664	ug/L	98
40) tetrahydrofuran	4.508	71	55494	50.0992	ug/L	91
41) chloroform	4.399	83	600048	49.7318	ug/L	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 1K23818.D
Acq On : 6 Sep 2025 3:56 am
Operator : PrashanS
Sample : ICV658-50
Misc : MS95614,V1K658,5,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 08 11:55:50 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 11:46:54 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) methacrylonitrile	4.807	67	180961	48.6033 ug/L	92
44) 1,1,1-trichloroethane	4.553	97	528520	51.1845 ug/L	98
45) cyclohexane	4.380	84	537975	59.2402 ug/L	95
46) 1,1-dichloropropene	4.630	75	470064	51.8184 ug/L	98
47) carbon tetrachloride	4.515	117	443931	46.2956 ug/L	98
49) tert-amyl alcohol	4.936	55	92141	290.8665 ug/L	92
52) iso-octane	4.688	57	1095149	42.9814 ug/L	91
53) benzene	4.794	78	1334569	51.1940 ug/L	97
54) tert-amyl methyl ether	4.839	73	1005333	47.0283 ug/L	99
55) heptane	4.743	57	184210	47.4956 ug/L	99
56) isopropyl acetate	5.029	87	99695	51.5035 ug/L #	87
57) 1,2-dichloroethane	4.920	62	489074	46.4972 ug/L	100
58) n-butyl alcohol	5.309	56	608278	3315.1001 ug/L	96
59) ethyl acrylate	5.473	55	660267	50.7990 ug/L	99
60) trichloroethene	5.161	130	334202	51.0836 ug/L	95
61) 2-nitropropane	6.309	41	153795	49.0170 ug/L #	5
62) 2-chloroethyl vinyl ether	5.923	63	1177225	253.2115 ug/L	99
63) methyl methacrylate	5.618	100	138700	60.8939 ug/L	96
64) 1,2-dichloropropane	5.511	63	359105	49.5608 ug/L	97
65) methylcyclohexane	5.167	98	239520	50.5771 ug/L	97
66) dibromomethane	5.447	93	189297	48.3385 ug/L	93
67) bromodichloromethane	5.540	83	435711	49.2571 ug/L	98
68) epichlorohydrin	6.154	57	280245	262.9568 ug/L	100
69) cis-1,3-dichloropropene	5.987	75	549834	50.8352 ug/L	96
70) 4-methyl-2-pentanone	6.383	58	820922	197.6013 ug/L	98
71) 3-methyl-1-butanol	6.216	70	229575	1220.9939 ug/L	99
74) toluene	6.158	92	806686	49.7023 ug/L	96
75) ethyl methacrylate	6.492	69	364877	38.3185 ug/L	94
76) trans-1,3-dichloropropene	6.421	75	533228	50.7085 ug/L	99
77) 1,1,2-trichloroethane	6.531	83	244776	53.2342 ug/L	98
79) 2-hexanone	6.907	58	850508	199.0865 ug/L	98
80) 1,3-dichloropropane	6.708	76	542787	52.7210 ug/L	100
81) butyl acetate	6.833	56	349288	50.4429 ug/L	98
82) dibromochloromethane	6.650	129	321831	49.7276 ug/L	98
83) 1,2-dibromoethane	6.814	107	307420	52.8591 ug/L	99
84) n-butyl ether	7.013	57	1796649	52.6280 ug/L	99
85) chlorobenzene	7.119	112	837029	49.8538 ug/L	96
86) 1,1,1,2-tetrachloroethane	7.151	131	314664	50.9180 ug/L	97
87) ethylbenzene	7.119	91	1516788	49.2249 ug/L	97
88) m,p-xylene	7.203	106	1168932	101.0395 ug/L	99
89) o-xylene	7.453	106	572239	51.7200 ug/L	97
90) styrene	7.482	104	714221	38.2099 ug/L	99
91) bromoform	7.511	173	239059	51.8220 ug/L	100
92) butyl acrylate	7.521	55	938493	52.0960 ug/L	97
93) isopropylbenzene	7.624	105	1374247	50.0597 ug/L	98
94) n-amyl acetate	7.659	70	303559	51.3118 ug/L #	85
95) cis-1,4-dichloro-2-butene	7.814	88	216494	52.0914 ug/L	97
98) bromobenzene	7.855	156	347771	50.0129 ug/L	97
99) 1,1,2,2-tetrachloroethane	7.884	83	423031	48.8413 ug/L	96
100) trans-1,4-dichloro-2-b...	7.978	53	186218	47.9320 ug/L	96
101) 1,2,3-trichloropropane	7.965	110	138765	47.9067 ug/L	94
102) n-propylbenzene	7.849	91	1626472	50.4332 ug/L	100
103) 2-chlorotoluene	7.945	126	333198	50.8007 ug/L	94
104) 4-chlorotoluene	8.032	91	1044625	49.3668 ug/L	100
105) 1,3,5-trimethylbenzene	7.945	105	1114775	50.5517 ug/L	99
106) tert-butylbenzene	8.119	119	964195	50.9293 ug/L	98
107) 1,2,4-trimethylbenzene	8.154	105	1150750	50.3179 ug/L	98
108) sec-butylbenzene	8.212	105	1289254	50.8216 ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 1K23818.D
Acq On : 6 Sep 2025 3:56 am
Operator : PrashanS
Sample : ICV658-50
Misc : MS95614,V1K658,5,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 08 11:55:50 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 11:46:54 2025
Response via : Initial Calibration

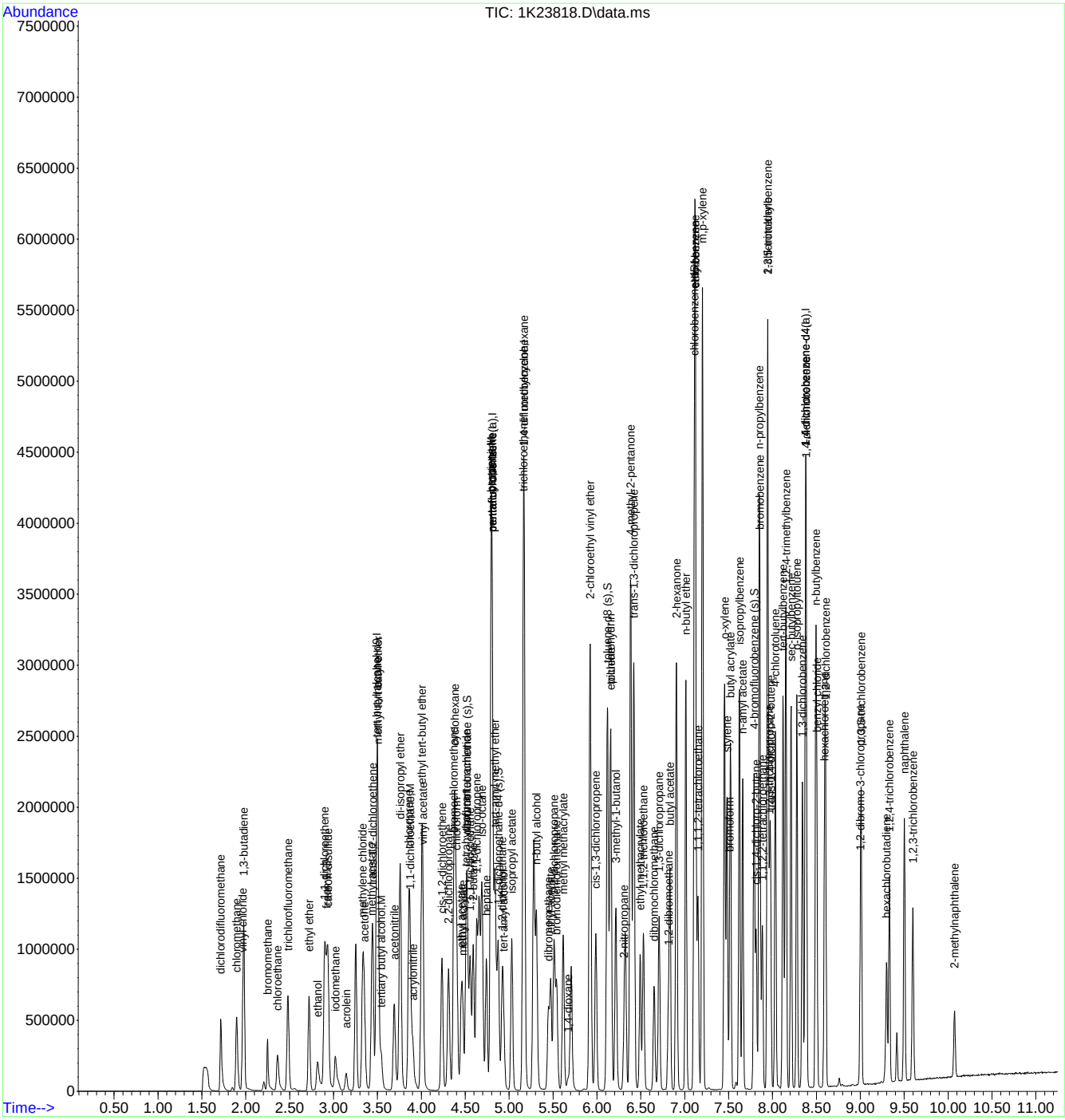
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
109) 1,3-dichlorobenzene	8.341	146	625087	49.1291	ug/L	99
110) p-isopropyltoluene	8.277	119	1104141	50.1019	ug/L	98
111) 1,4-dichlorobenzene	8.383	146	630682	47.9982	ug/L	98
112) 1,2-dichlorobenzene	8.605	146	602508	49.5645	ug/L	96
114) n-butylbenzene	8.492	92	573146	48.8799	ug/L	91
115) 1,2-dibromo-3-chloropr...	9.000	157	121812	49.7168	ug/L	93
116) 1,3,5-trichlorobenzene	9.010	180	388689	54.0682	ug/L	96
117) 1,2,4-trichlorobenzene	9.331	180	313257	48.8717	ug/L	100
118) hexachlorobutadiene	9.299	225	109344	48.5356	ug/L	96
119) naphthalene	9.502	128	1035445	49.3088	ug/L	100
120) 1,2,3-trichlorobenzene	9.598	180	279055	49.2823	ug/L	100
121) hexachloroethane	8.592	119	187792	47.2500	ug/L	96
122) benzyl chloride	8.505	126	183227	47.7608	ug/L	91
123) 2-methylnaphthalene	10.071	142	182144	23.7234	ug/L	90

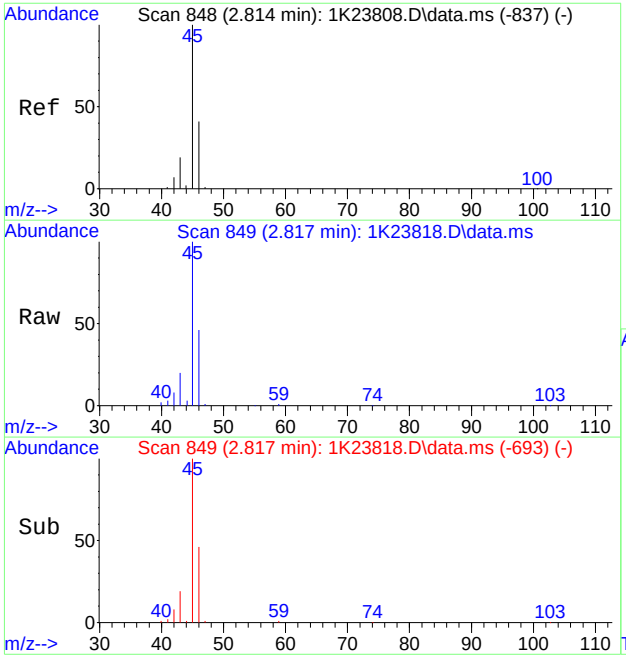
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 1K23818.D
Acq On : 6 Sep 2025 3:56 am
Operator : PrashanS
Sample : ICV658-50
Misc : MS95614,V1K658,5,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 08 11:55:50 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 11:46:54 2025
Response via : Initial Calibration

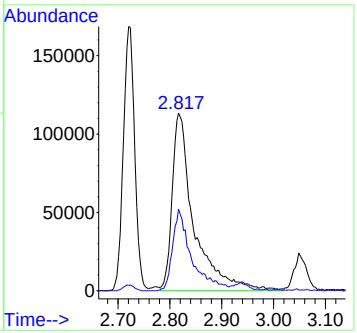


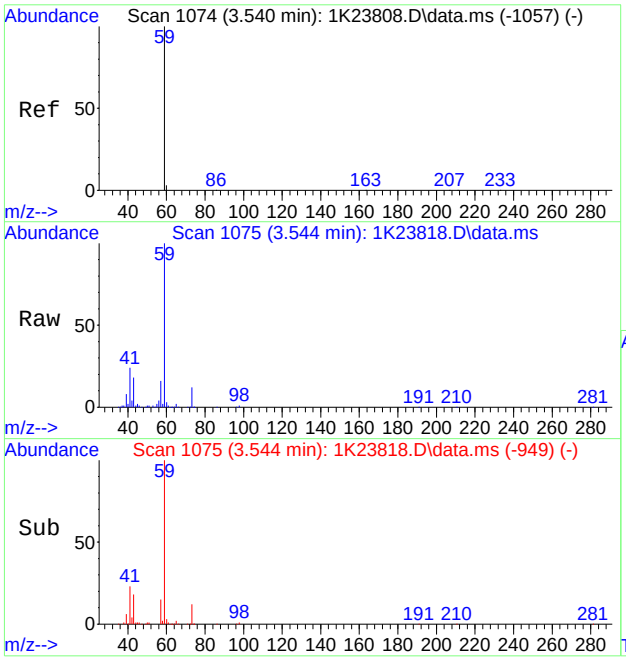


#2
ethanol
Concen: 6054.09 ug/L
RT: 2.817 min Scan# 849
Delta R.T. 0.003 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion: 45 Resp: 330831

Ion	Ratio	Lower	Upper
45	100		
46	45.9	20.3	60.3

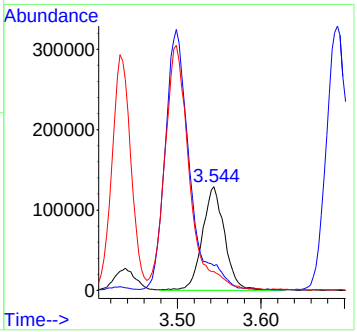


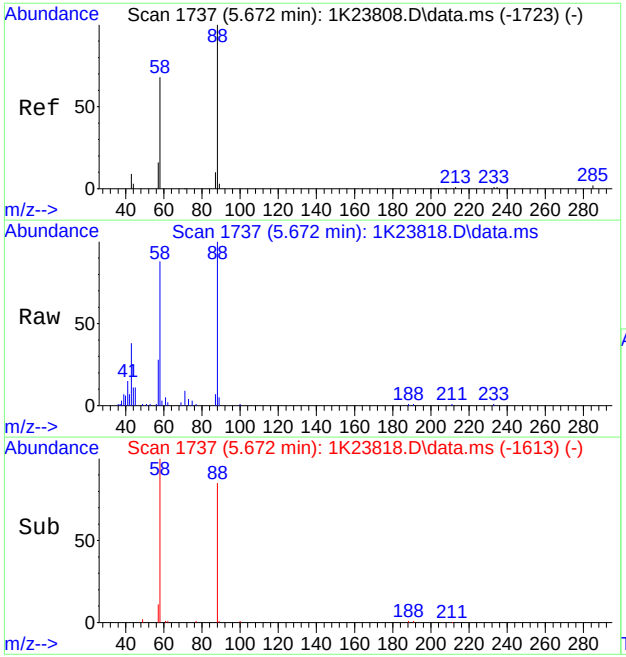


#3
tertiary butyl alcohol
Concen: 240.15 ug/L
RT: 3.544 min Scan# 1075
Delta R.T. 0.004 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion: 59 Resp: 239013

Ion	Ratio	Lower	Upper
59	100		
41	23.3	0.0	46.0
43	17.4	0.0	51.1

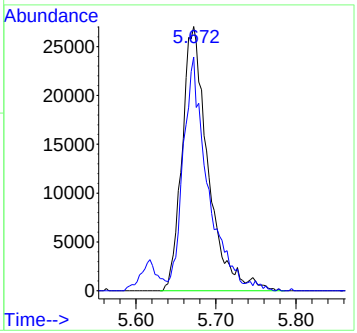


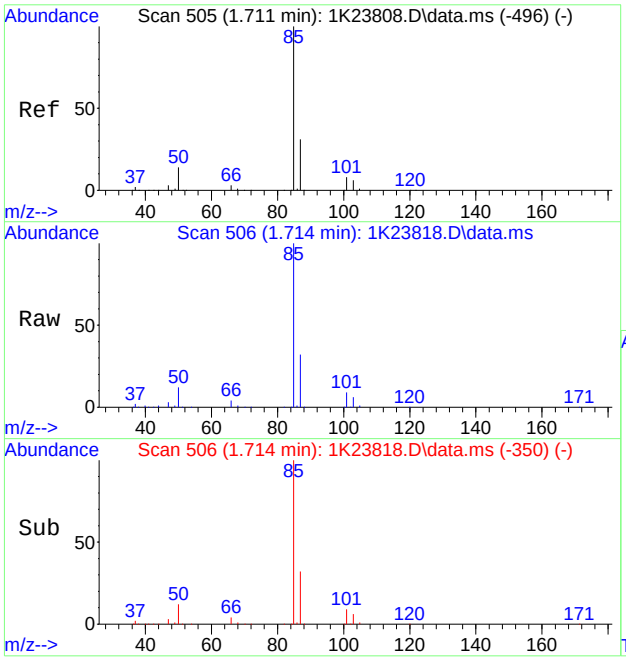


#4
1,4-dioxane
Concen: 1558.03 ug/L
RT: 5.672 min Scan# 1737
Delta R.T. 0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion: 88 Resp: 61378

Ion	Ratio	Lower	Upper
88	100		
58	88.4	53.2	93.2

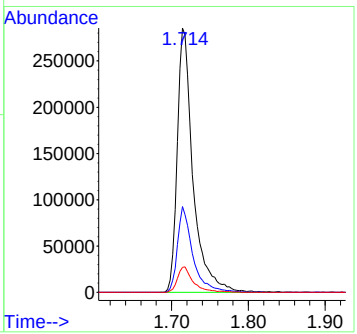


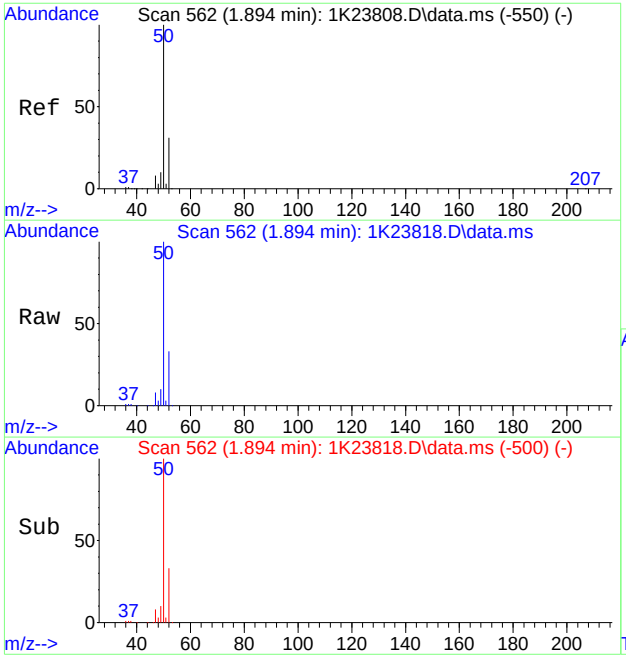


#7
dichlorodifluoromethane
Concen: 47.48 ug/L
RT: 1.714 min Scan# 506
Delta R.T. 0.003 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion: 85 Resp: 408124

Ion	Ratio	Lower	Upper
85	100		
87	32.4	0.7	60.7
101	9.5	0.0	38.3

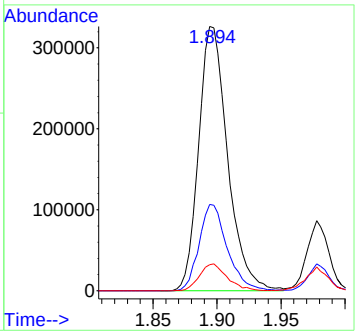


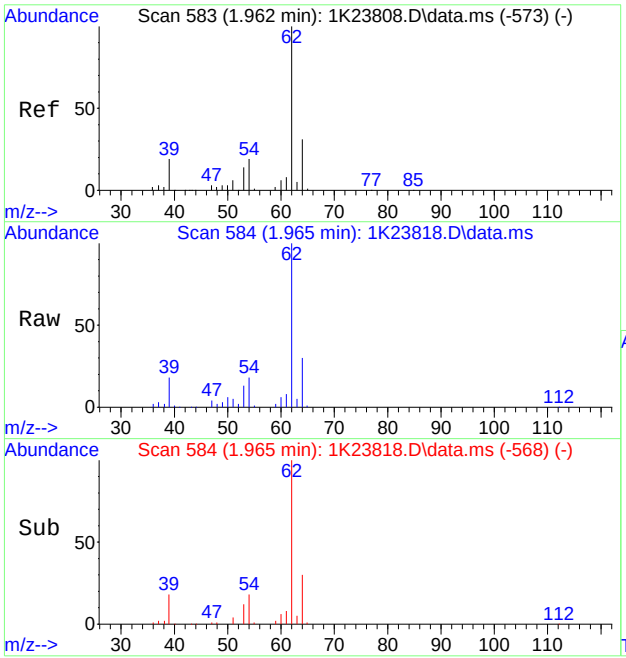


#8
chloromethane
Concen: 52.37 ug/L
RT: 1.894 min Scan# 562
Delta R.T. 0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion: 50 Resp: 515509

Ion	Ratio	Lower	Upper
50	100		
52	32.6	1.4	61.4
49	9.8	0.0	40.1

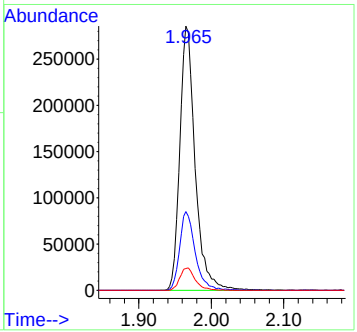


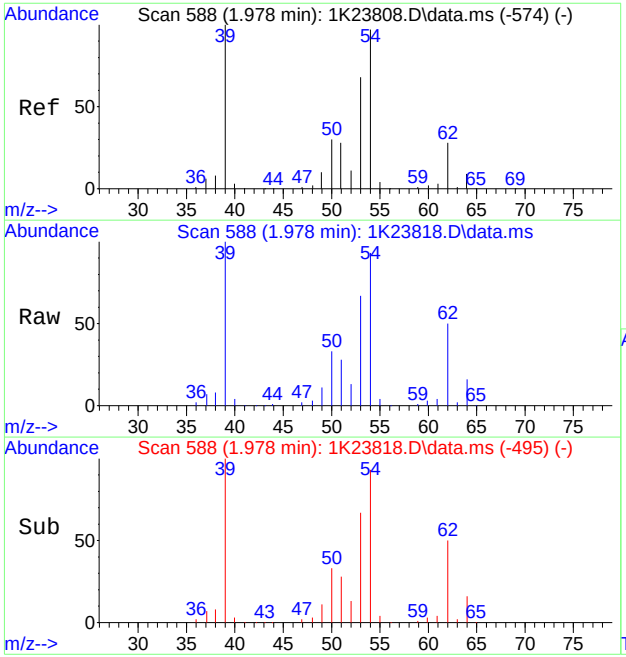


#9
vinyl chloride
Concen: 51.39 ug/L
RT: 1.965 min Scan# 584
Delta R.T. 0.003 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion: 62 Resp: 421036

Ion	Ratio	Lower	Upper
62	100		
64	29.8	0.6	60.6
61	8.3	0.0	38.4

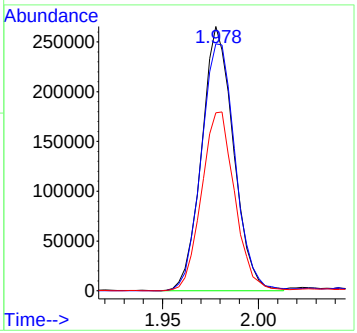


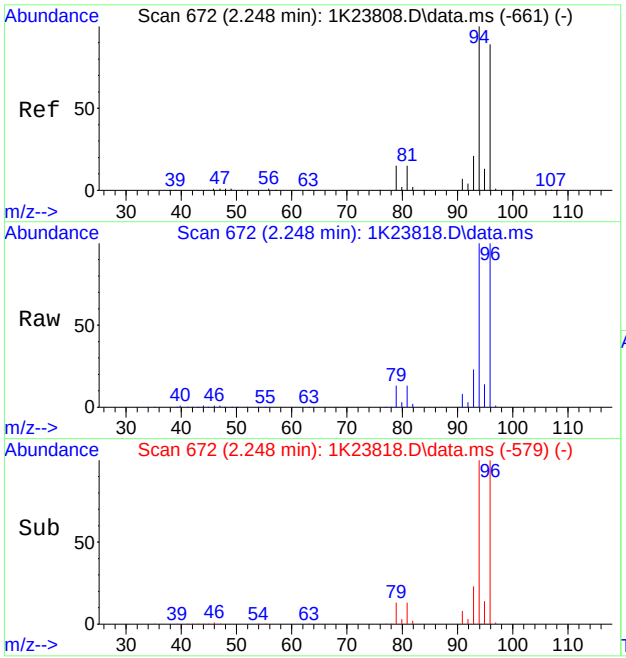


#10
1,3-butadiene
Concen: 36.88 ug/L
RT: 1.978 min Scan# 588
Delta R.T. -0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion: 39 Resp: 307566

Ion	Ratio	Lower	Upper
39	100		
54	93.3	67.0	127.0
53	67.3	38.5	98.5

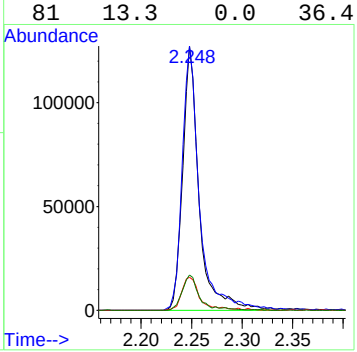


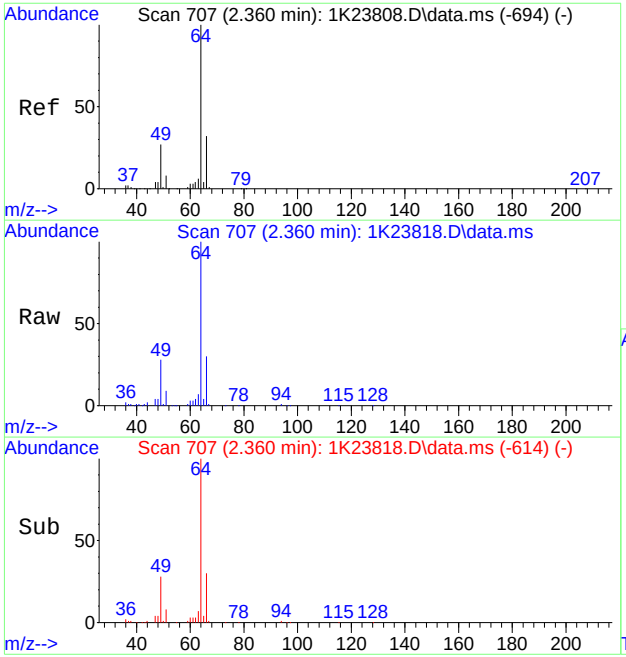


#11
bromomethane
Concen: 59.29 ug/L
RT: 2.248 min Scan# 672
Delta R.T. -0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion: 96 Resp: 145017

Ion	Ratio	Lower	Upper
96	100		
94	99.9	82.9	142.9
79	12.6	17.4	17.4#
81	13.3	0.0	36.4

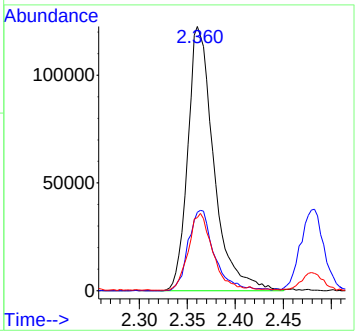


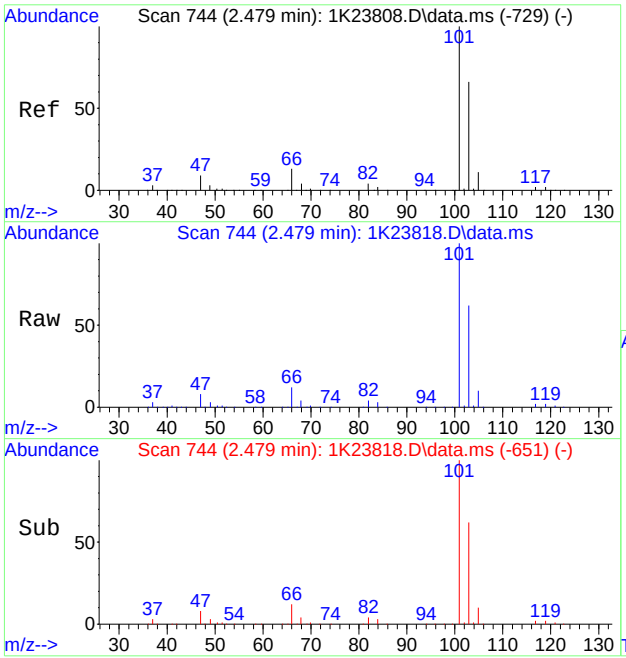


#12
chloroethane
Concen: 49.96 ug/L
RT: 2.360 min Scan# 707
Delta R.T. 0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion: 64 Resp: 231756

Ion	Ratio	Lower	Upper
64	100		
66	29.7	1.6	61.6
49	27.4	0.0	57.3

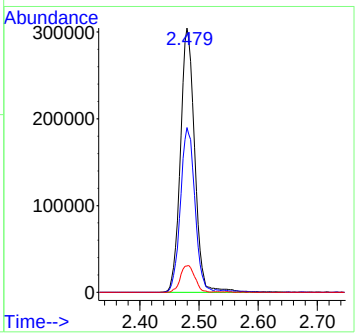


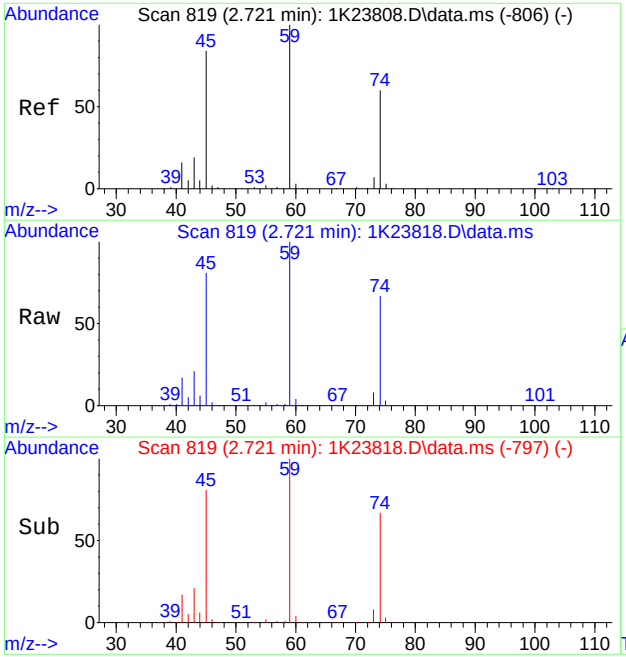


#13
trichlorofluoromethane
Concen: 44.73 ug/L
RT: 2.479 min Scan# 744
Delta R.T. 0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion:101 Resp: 512764

Ion	Ratio	Lower	Upper
101	100		
103	62.4	35.9	95.9
105	10.0	0.0	40.9

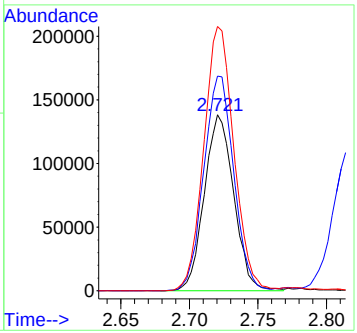


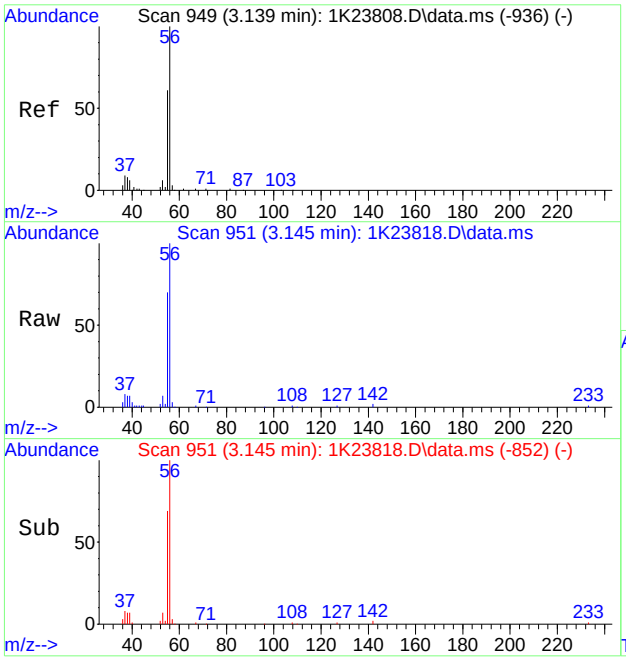


#14
ethyl ether
Concen: 54.36 ug/L
RT: 2.721 min Scan# 819
Delta R.T. -0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion: 74 Resp: 206469

Ion	Ratio	Lower	Upper
74	100		
45	122.0	108.3	168.3
59	150.2	135.3	195.3

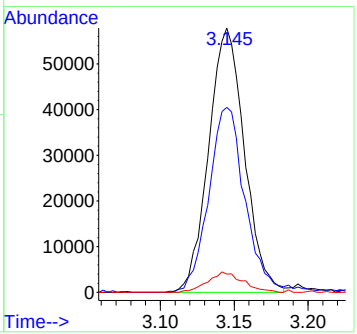


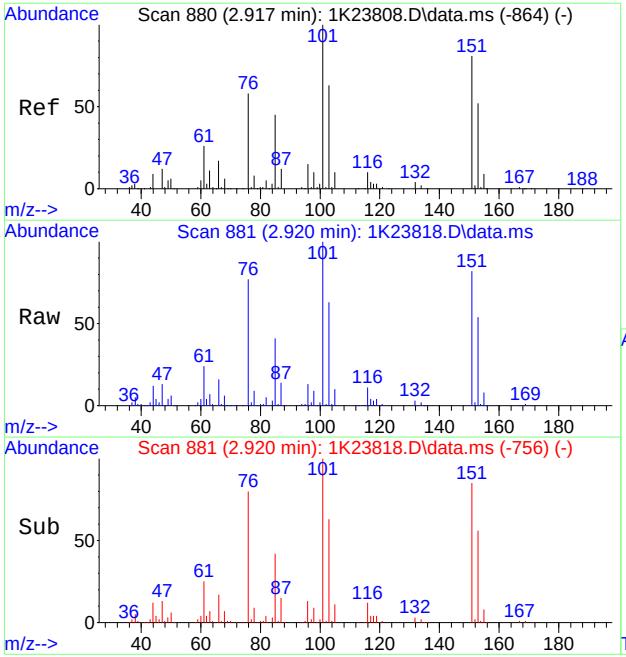


#15
acrolein
Concen: 53.83 ug/L
RT: 3.145 min Scan# 951
Delta R.T. 0.006 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion: 56 Resp: 97239

Ion	Ratio	Lower	Upper
56	100		
55	69.9	30.8	90.8
53	6.9	0.0	35.9

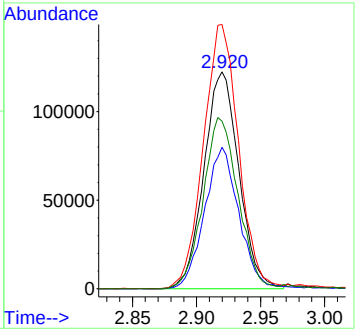


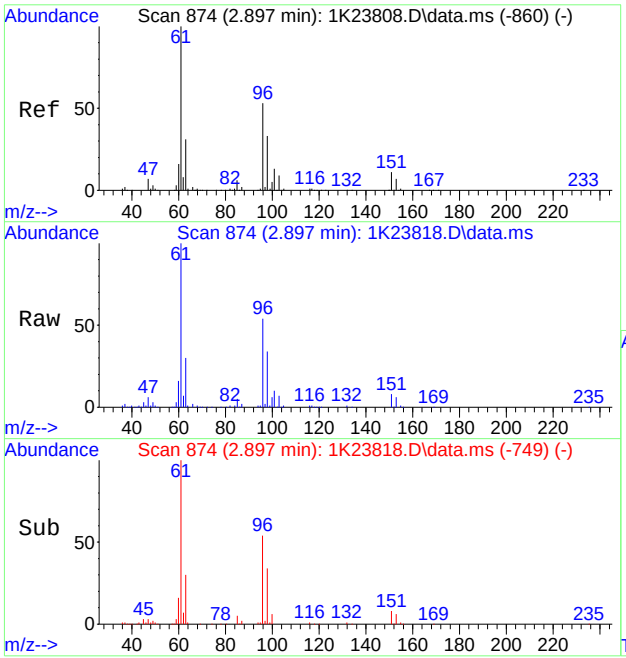


#16
freon 113
Concen: 48.34 ug/L
RT: 2.920 min Scan# 881
Delta R.T. 0.003 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion:151 Resp: 233028

Ion	Ratio	Lower	Upper
151	100		
153	65.3	44.4	84.4
101	121.7	102.8	142.8
103	77.2	57.7	97.7

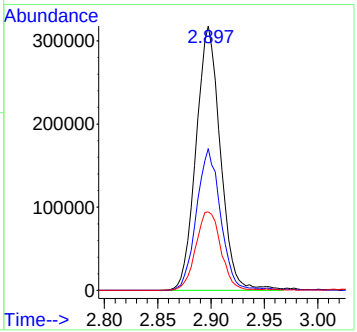


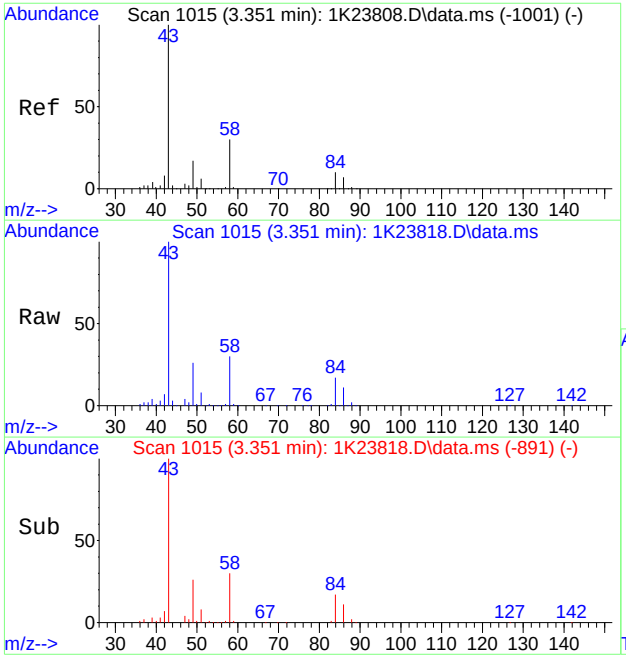


#17
1,1-dichloroethene
Concen: 47.10 ug/L
RT: 2.897 min Scan# 874
Delta R.T. 0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion: 61 Resp: 504811

Ion	Ratio	Lower	Upper
61	100		
96	53.6	23.2	83.2
63	29.7	1.0	61.0

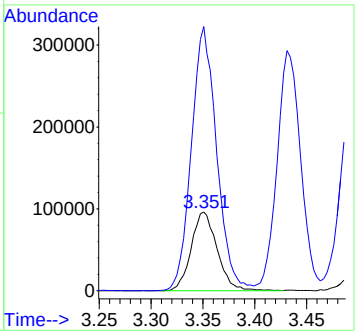


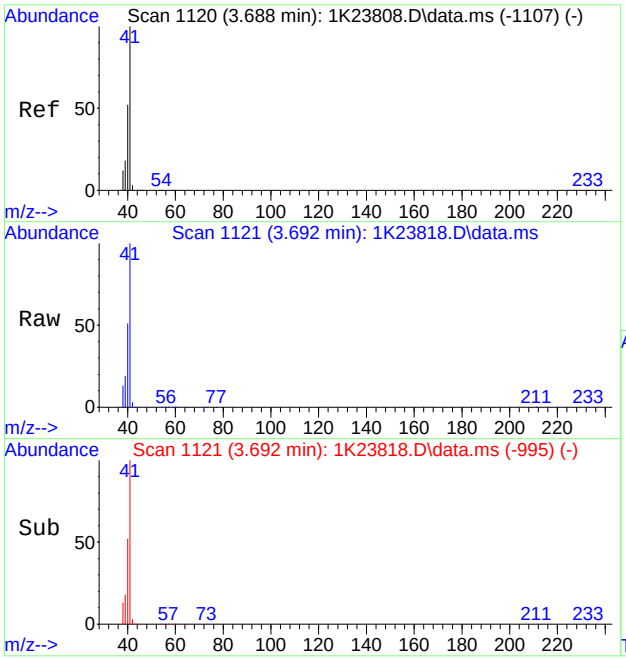


#18
acetone
Concen: 206.23 ug/L
RT: 3.351 min Scan# 1015
Delta R.T. -0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion: 58 Resp: 168315

Ion	Ratio	Lower	Upper
58	100		
43	335.0	300.4	360.4

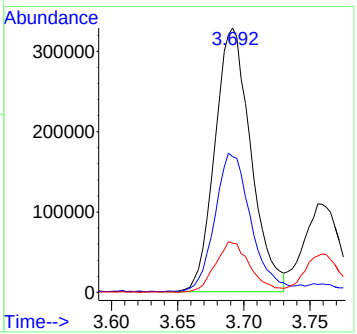


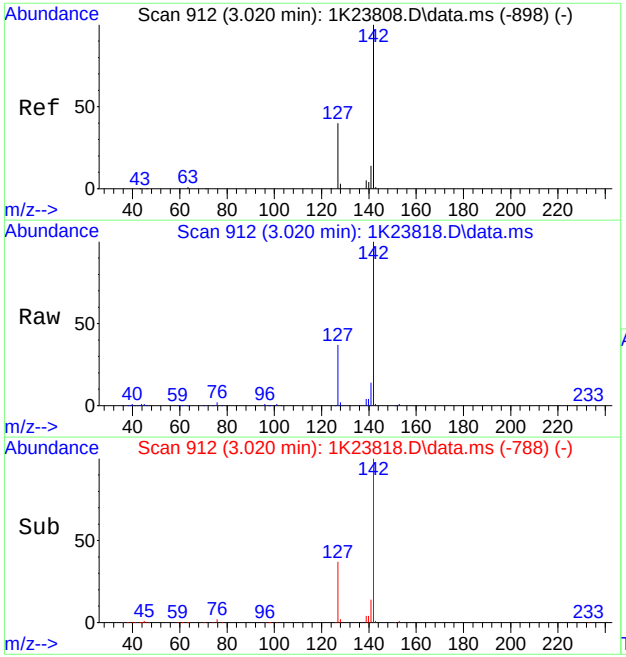


#19
acetonitrile
Concen: 579.77 ug/L
RT: 3.692 min Scan# 1121
Delta R.T. 0.004 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion: 41 Resp: 623403

Ion	Ratio	Lower	Upper
41	100		
40	51.1	21.7	81.7
39	18.6	0.0	47.9

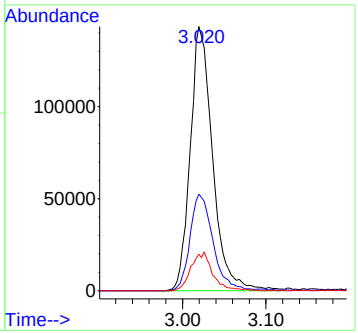


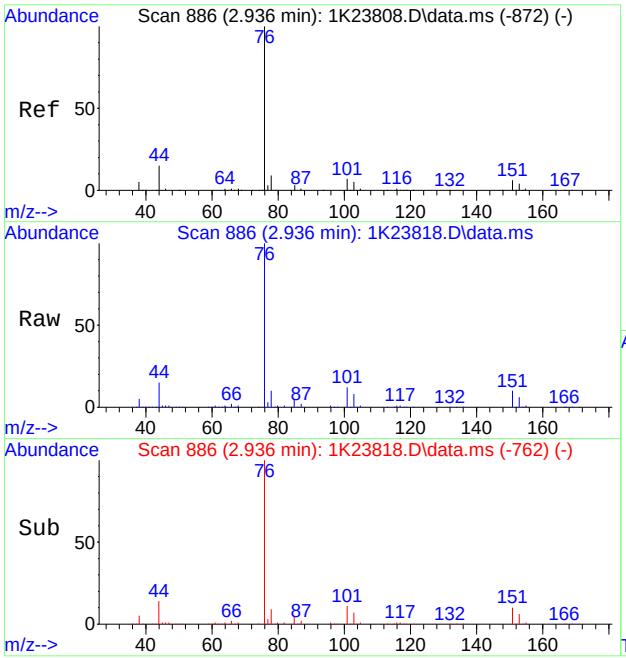


#20
iodomethane
Concen: 42.48 ug/L
RT: 3.020 min Scan# 912
Delta R.T. -0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion:142 Resp: 268768

Ion	Ratio	Lower	Upper
142	100		
127	36.5	9.9	69.9
141	13.9	0.0	44.3

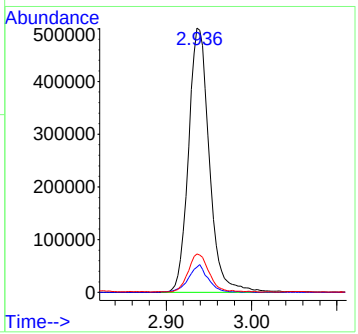


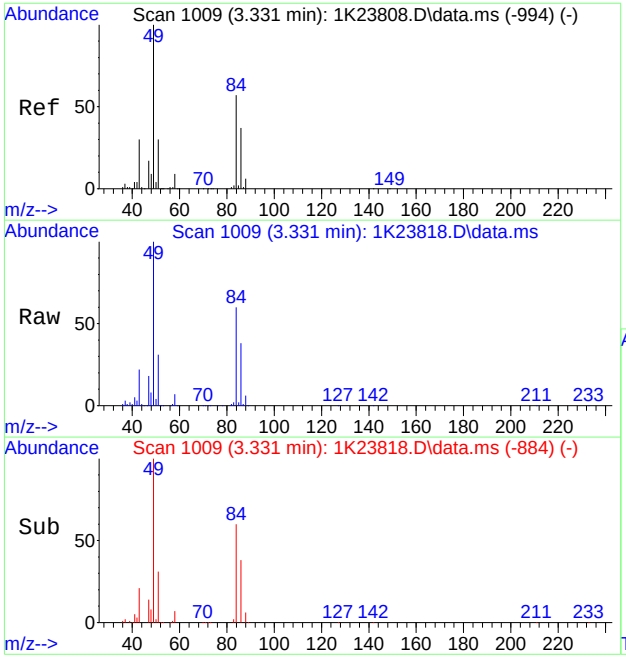


#21
carbon disulfide
Concen: 48.17 ug/L
RT: 2.936 min Scan# 886
Delta R.T. -0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion: 76 Resp: 849879

Ion	Ratio	Lower	Upper
76	100		
78	9.5	0.0	39.5
44	14.3	0.0	44.8

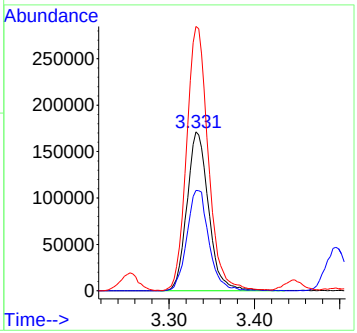


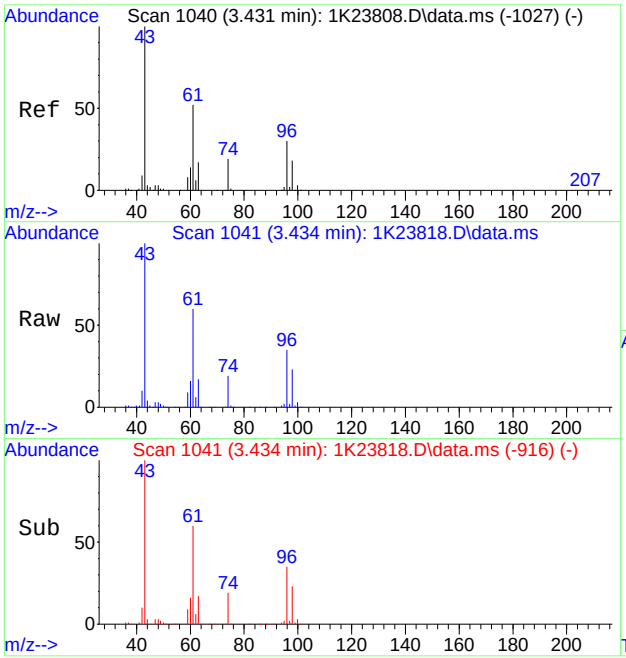


#22
methylene chloride
Concen: 50.39 ug/L
RT: 3.331 min Scan# 1009
Delta R.T. 0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion: 84 Resp: 301495

Ion	Ratio	Lower	Upper
84	100		
86	63.1	35.3	95.3
49	166.0	144.8	204.8

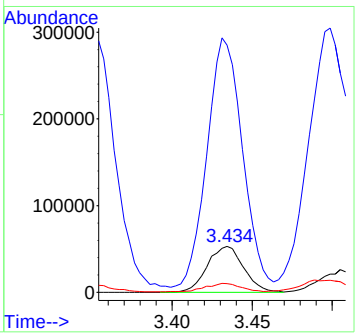


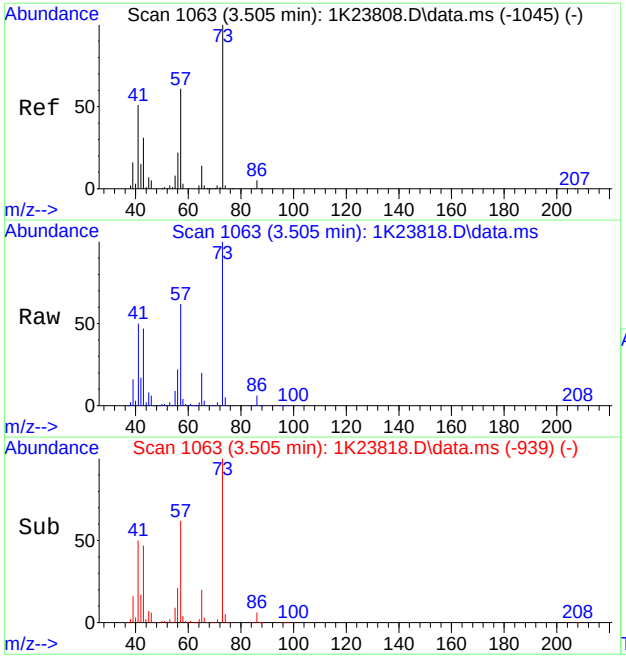


#23
methyl acetate
Concen: 60.37 ug/L
RT: 3.434 min Scan# 1041
Delta R.T. 0.003 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion: 74 Resp: 83954

Ion	Ratio	Lower	Upper
74	100		
43	523.0	491.2	551.2
44	17.8	0.0	44.3

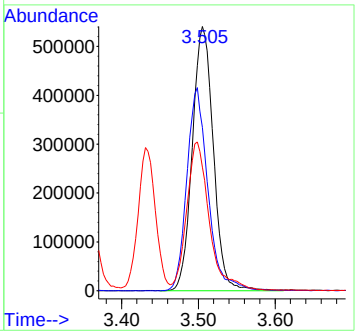


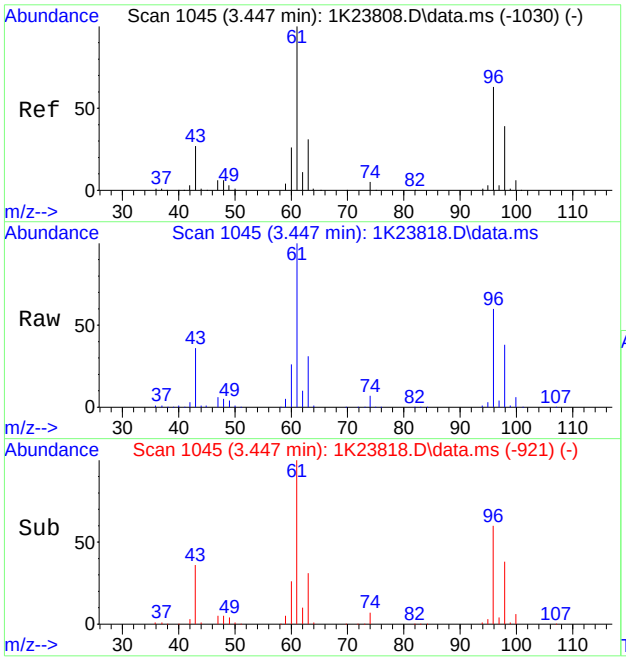


#24
methyl tert butyl ether
Concen: 51.67 ug/L
RT: 3.505 min Scan# 1063
Delta R.T. 0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion: 73 Resp: 1029763

Ion	Ratio	Lower	Upper
73	100		
57	61.6	30.7	90.7
43	46.5	18.2	78.2

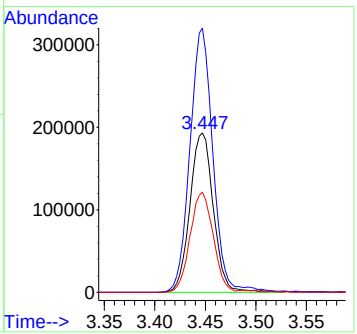


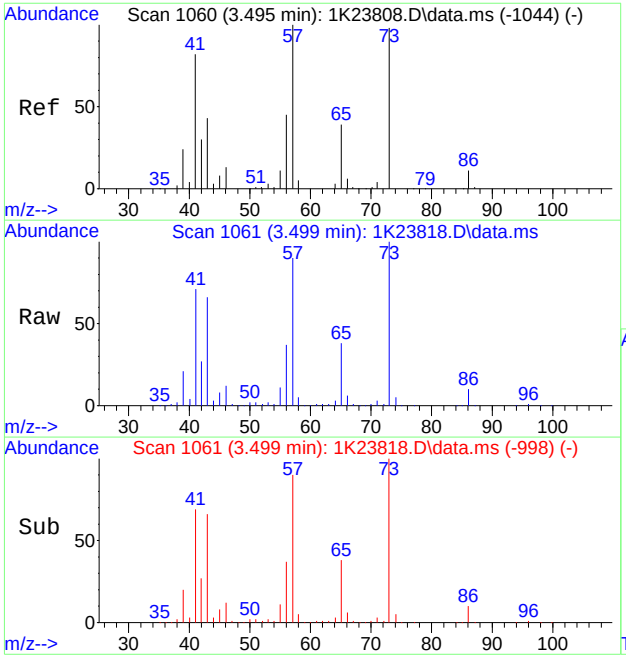


#25
trans-1,2-dichloroethene
Concen: 49.40 ug/L
RT: 3.447 min Scan# 1045
Delta R.T. 0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion: 96 Resp: 312142

Ion	Ratio	Lower	Upper
96	100		
61	165.6	128.8	188.8
98	62.9	32.4	92.4

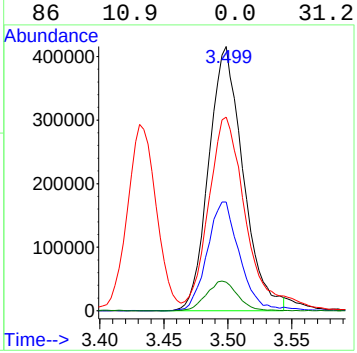


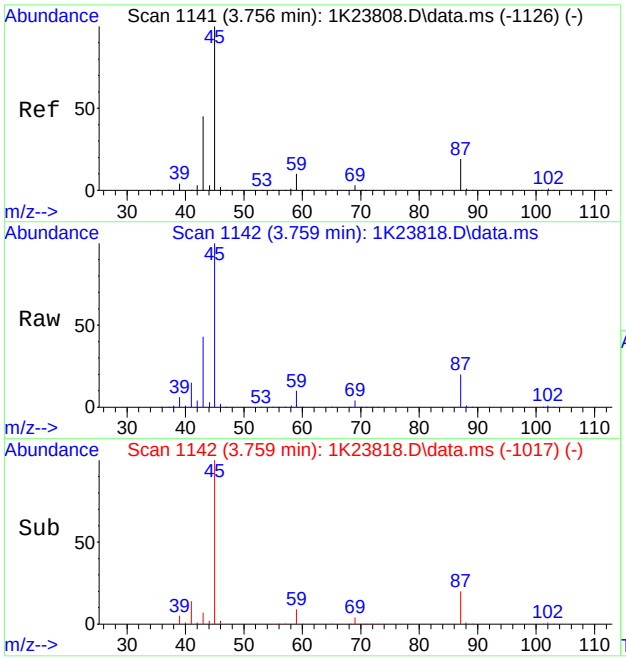


#26
hexane
Concen: 48.92 ug/L
RT: 3.499 min Scan# 1061
Delta R.T. 0.004 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion: 57 Resp: 777431

Ion	Ratio	Lower	Upper
57	100		
56	41.1	24.9	64.9
43	67.6	50.9	90.9
86	10.9	0.0	31.2

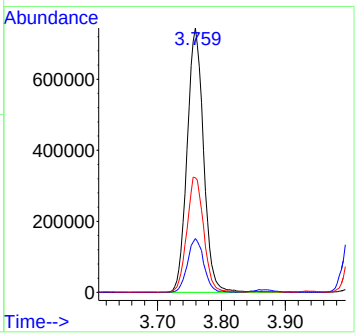


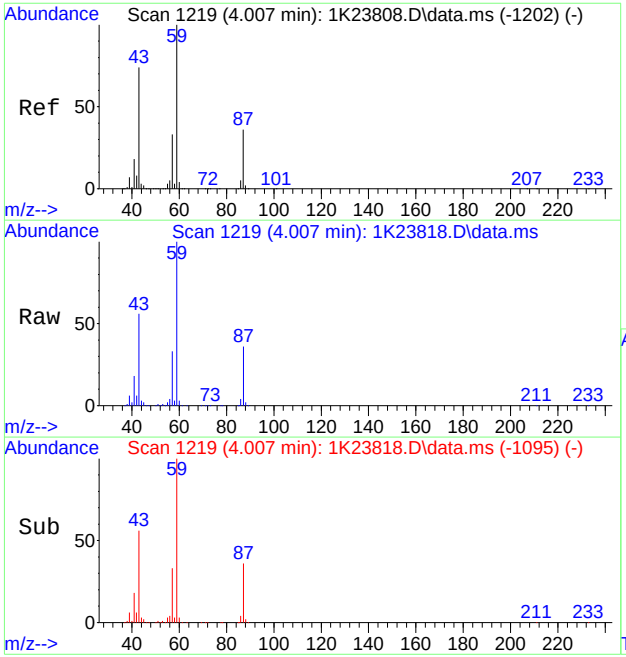


#27
di-isopropyl ether
Concen: 49.88 ug/L
RT: 3.759 min Scan# 1142
Delta R.T. 0.003 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion: 45 Resp: 1333859

Ion	Ratio	Lower	Upper
45	100		
87	20.4	0.0	48.8
43	43.2	14.9	74.9

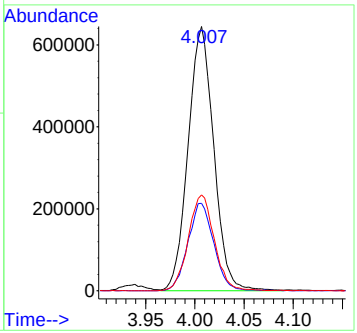


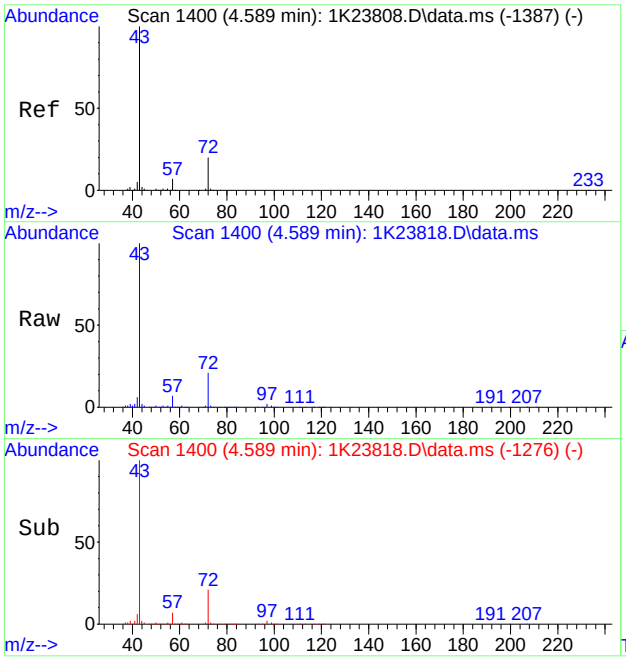


#28
ethyl tert-butyl ether
Concen: 49.31 ug/L
RT: 4.007 min Scan# 1219
Delta R.T. -0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion: 59 Resp: 1170902

Ion	Ratio	Lower	Upper
59	100		
57	33.1	2.6	62.6
87	36.3	5.8	65.8

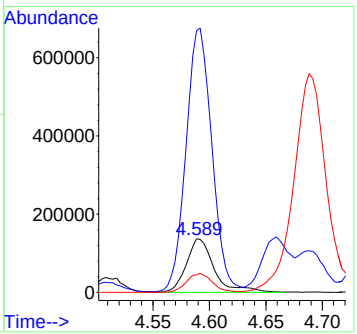


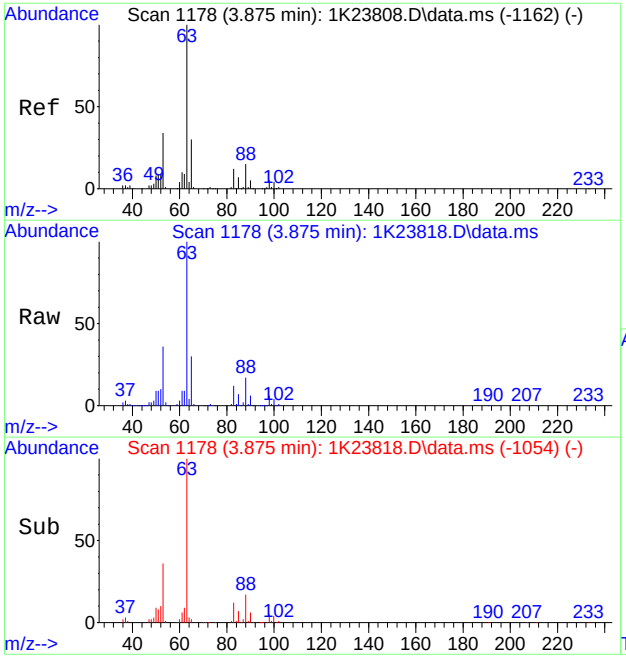


#29
2-butanone
Concen: 224.65 ug/L
RT: 4.589 min Scan# 1400
Delta R.T. -0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion: 72 Resp: 235429

Ion	Ratio	Lower	Upper
72	100		
43	487.1	475.4	535.4
57	32.4	5.7	65.7

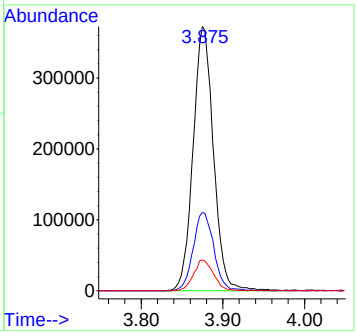


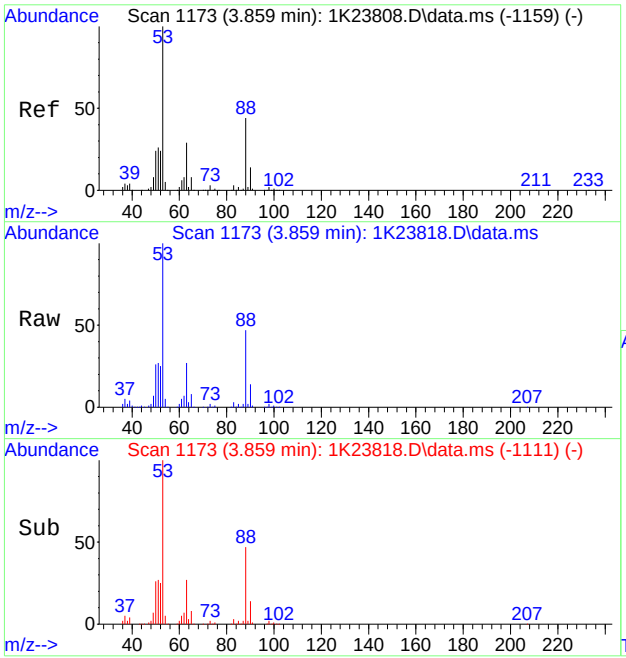


#30
1,1-dichloroethane
Concen: 51.37 ug/L
RT: 3.875 min Scan# 1178
Delta R.T. -0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion: 63 Resp: 647111

Ion	Ratio	Lower	Upper
63	100		
65	29.6	0.2	60.2
83	11.7	0.0	42.0

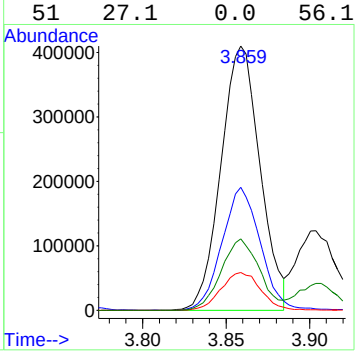


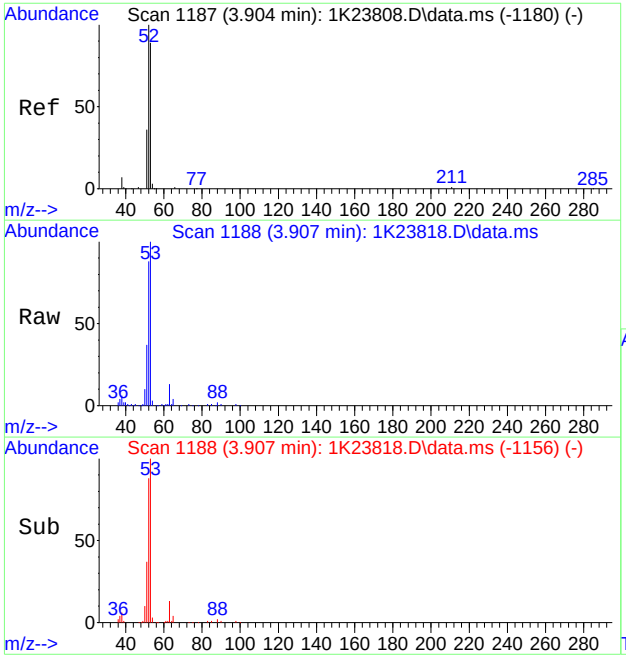


#31
chloroprene
Concen: 48.26 ug/L
RT: 3.859 min Scan# 1173
Delta R.T. -0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion: 53 Resp: 669198

Ion	Ratio	Lower	Upper
53	100		
88	46.5	13.8	73.8
90	14.3	0.0	44.2
51	27.1	0.0	56.1

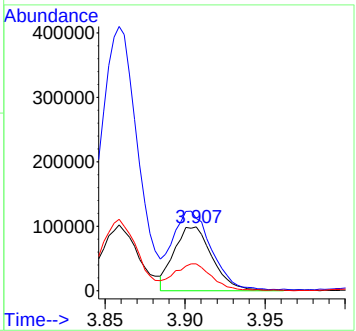


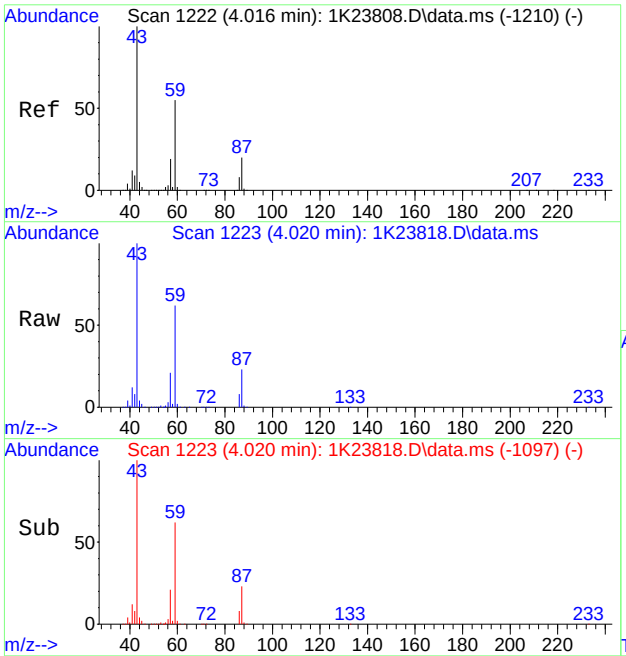


#32
acrylonitrile
Concen: 51.29 ug/L
RT: 3.907 min Scan# 1188
Delta R.T. 0.003 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion: 52 Resp: 164388

Ion	Ratio	Lower	Upper
52	100		
53	111.3	99.5	159.5
51	41.7	13.8	73.8

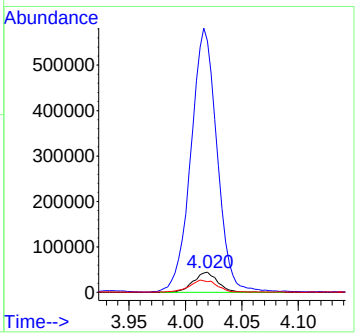


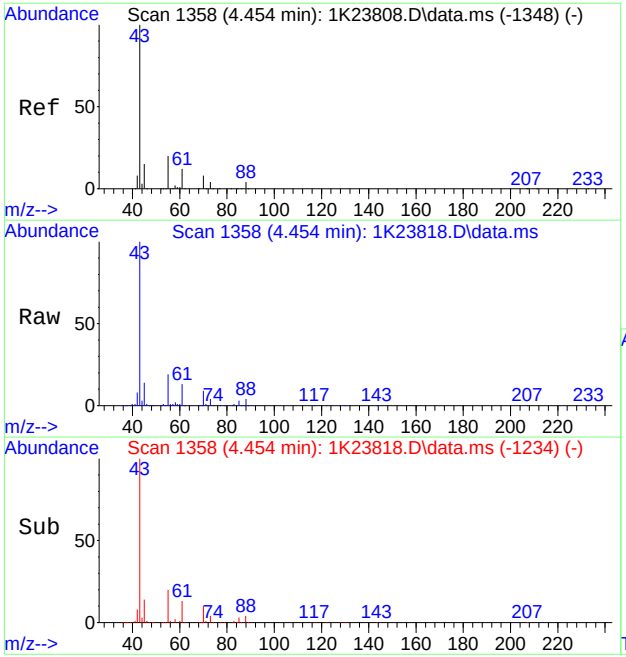


#33
vinyl acetate
Concen: 43.48 ug/L
RT: 4.020 min Scan# 1223
Delta R.T. 0.004 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion: 86 Resp: 67047

Ion	Ratio	Lower	Upper
86	100		
43	1238.2	1252.8	1312.8#
44	51.6	39.9	99.9

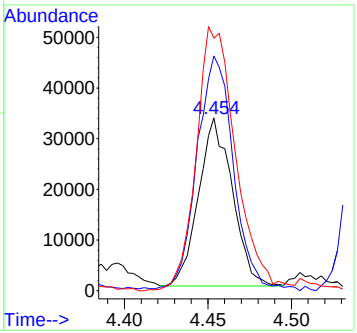


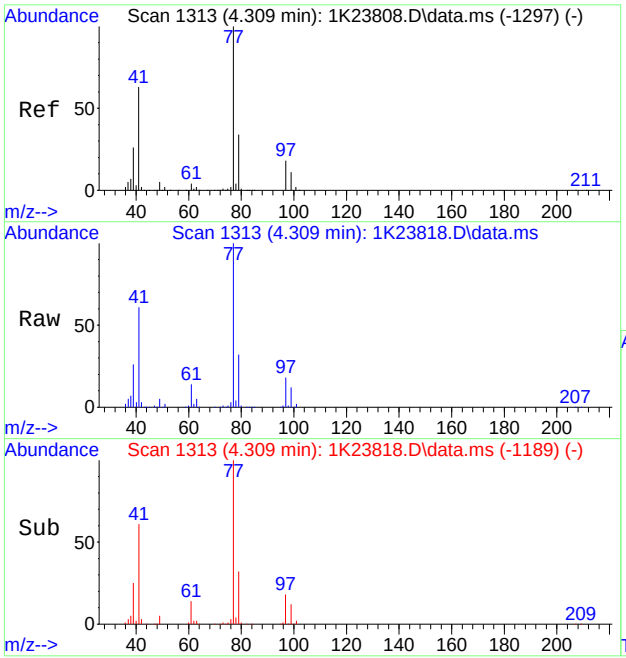


#34
ethyl acetate
Concen: 50.88 ug/L
RT: 4.454 min Scan# 1358
Delta R.T. -0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion: 70 Resp: 46811

Ion	Ratio	Lower	Upper
70	100		
61	137.6	124.4	184.4
45	149.1	156.4	216.4#

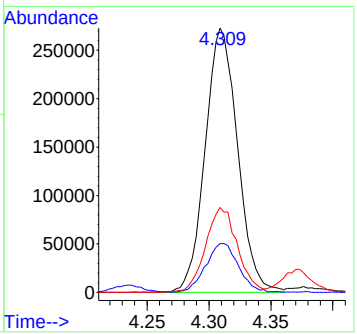


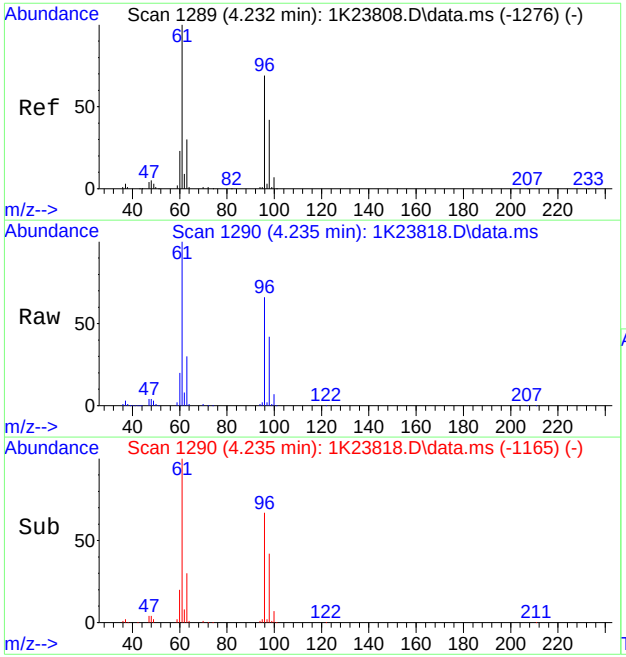


#35
2,2-dichloropropane
Concen: 47.80 ug/L
RT: 4.309 min Scan# 1313
Delta R.T. -0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion: 77 Resp: 497315

Ion	Ratio	Lower	Upper
77	100		
97	18.3	0.0	47.6
79	32.2	3.7	63.7

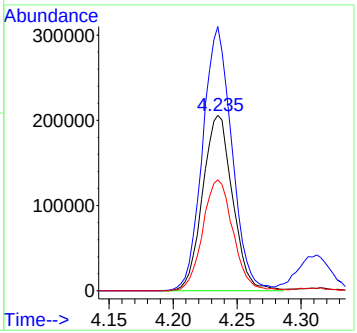


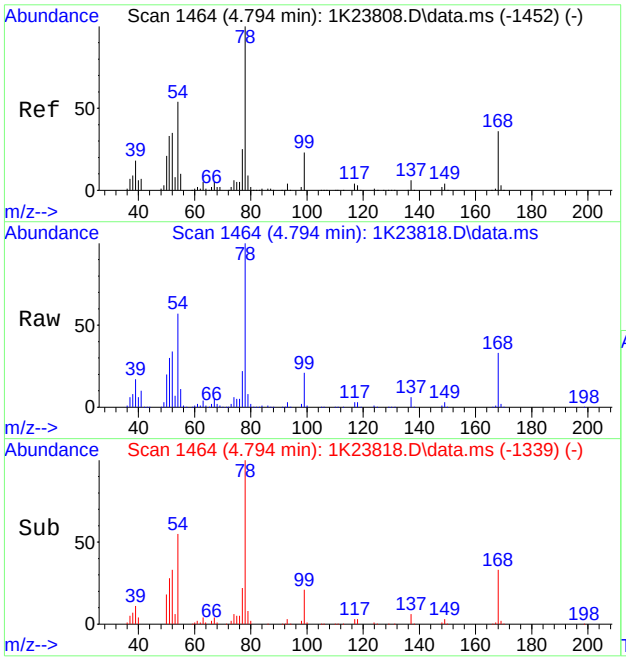


#36
cis-1,2-dichloroethene
Concen: 52.27 ug/L
RT: 4.235 min Scan# 1290
Delta R.T. 0.003 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion: 96 Resp: 336341

Ion	Ratio	Lower	Upper
96	100		
61	150.6	114.3	174.3
98	63.3	30.5	90.5

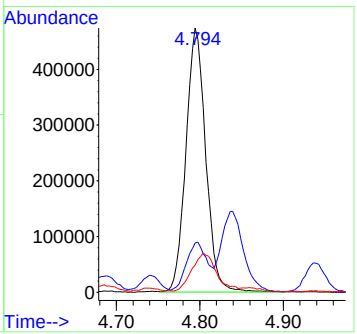


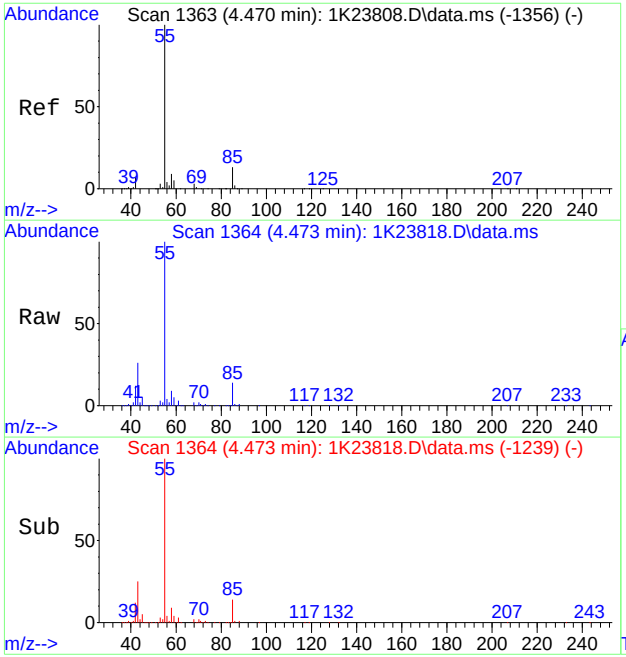


#37
propionitrile
Concen: 561.41 ug/L
RT: 4.794 min Scan# 1464
Delta R.T. 0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion: 54 Resp: 781198

Ion	Ratio	Lower	Upper
54	100		
55	18.4	0.0	50.4
40	10.1	0.0	41.8

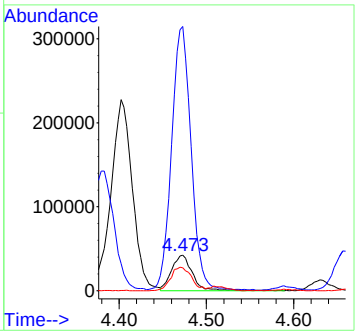


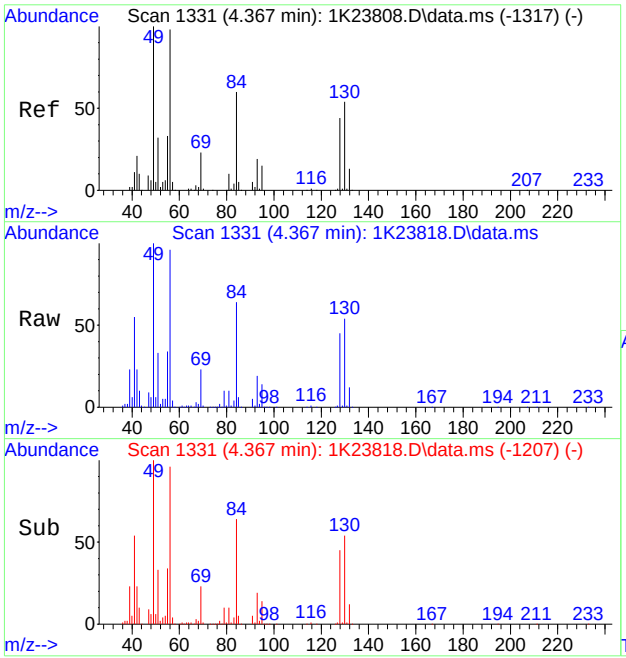


#38
methyl acrylate
Concen: 56.59 ug/L
RT: 4.473 min Scan# 1364
Delta R.T. 0.003 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion: 85 Resp: 71481

Ion	Ratio	Lower	Upper
85	100		
55	724.9	717.8	757.8
58	60.0	42.6	82.6

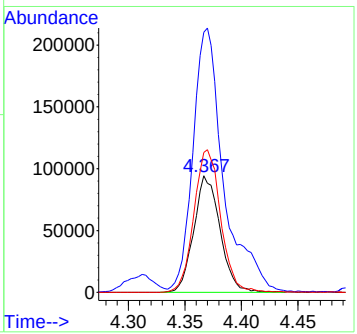


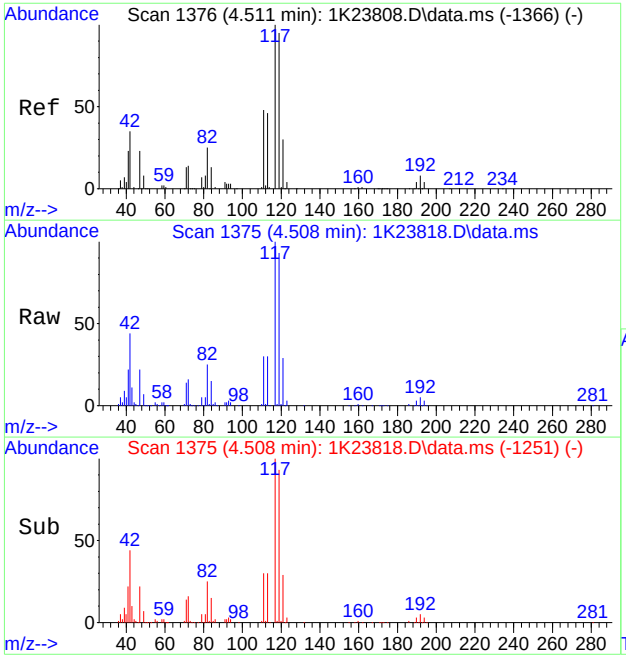


#39
bromochloromethane
Concen: 52.37 ug/L
RT: 4.367 min Scan# 1331
Delta R.T. -0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion:128 Resp: 152625

Ion	Ratio	Lower	Upper
128	100		
49	221.5	195.5	255.5
130	119.9	92.1	152.1

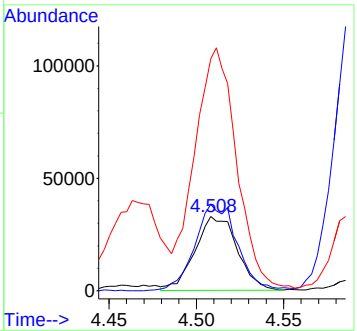


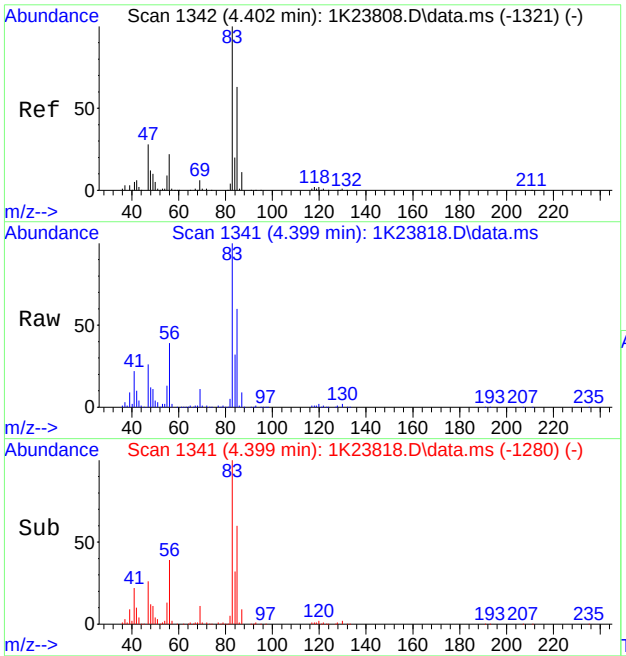


#40
tetrahydrofuran
Concen: 50.10 ug/L
RT: 4.508 min Scan# 1375
Delta R.T. -0.003 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion: 71 Resp: 55494

Ion	Ratio	Lower	Upper
71	100		
72	115.2	76.4	136.4
42	309.0	297.7	357.7

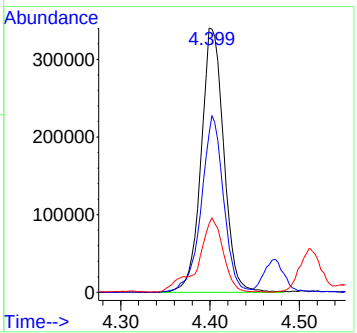


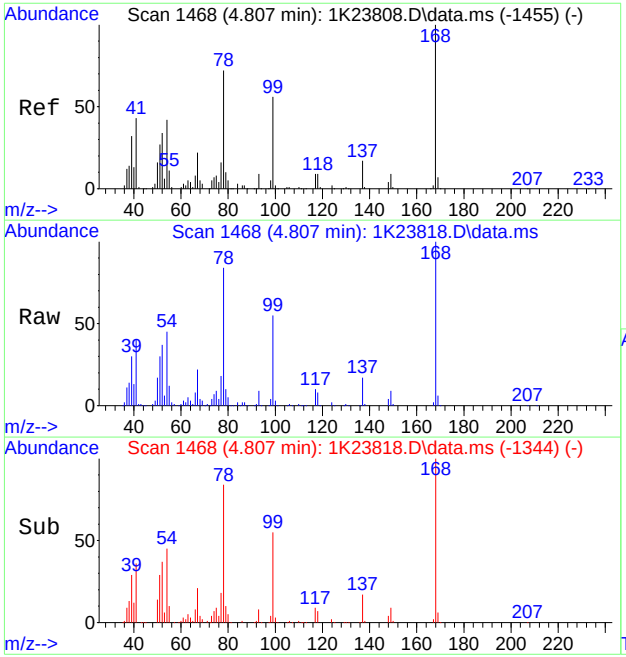


#41
chloroform
Concen: 49.73 ug/L
RT: 4.399 min Scan# 1341
Delta R.T. -0.003 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion: 83 Resp: 600048

Ion	Ratio	Lower	Upper
83	100		
85	59.9	33.4	93.4
47	25.6	0.0	58.3

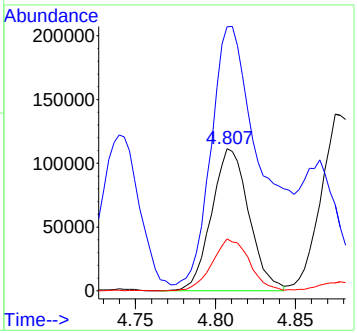


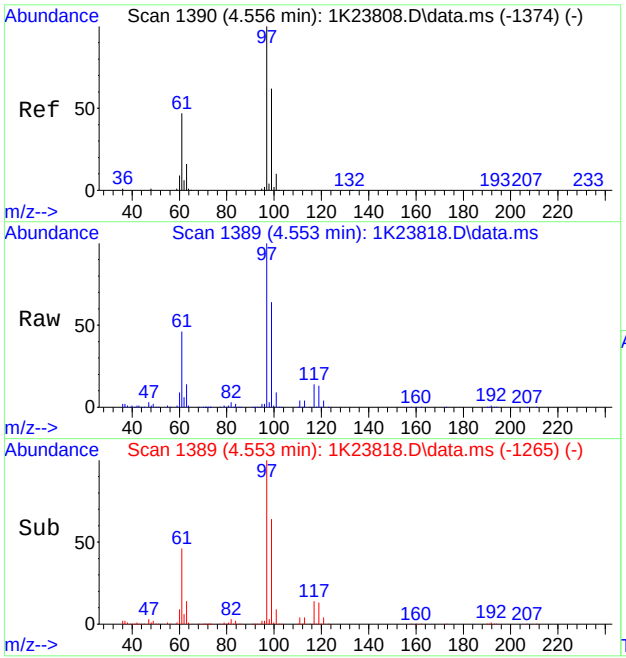


#43
methacrylonitrile
Concen: 48.60 ug/L
RT: 4.807 min Scan# 1468
Delta R.T. 0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion: 67 Resp: 180961

Ion	Ratio	Lower	Upper
67	100		
41	177.8	161.1	221.1
66	36.5	3.7	63.7

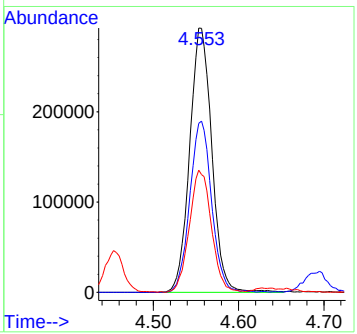


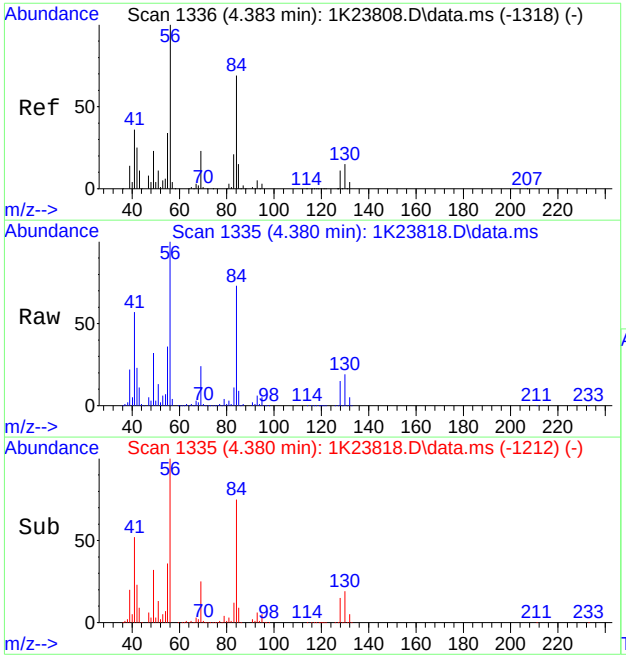


#44
1,1,1-trichloroethane
Concen: 51.18 ug/L
RT: 4.553 min Scan# 1389
Delta R.T. -0.003 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion: 97 Resp: 528520

Ion	Ratio	Lower	Upper
97	100		
99	63.9	32.1	92.1
61	45.9	16.3	76.3

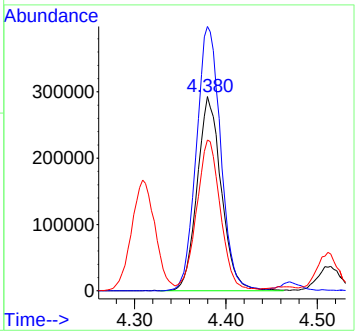


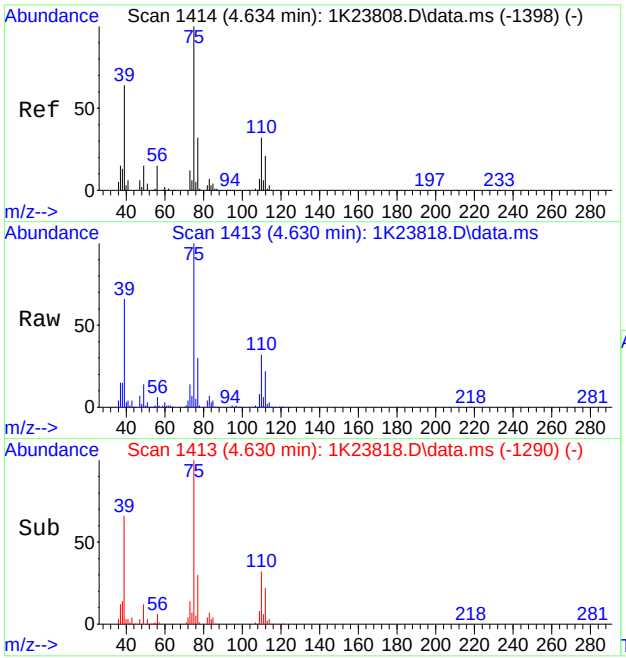


#45
cyclohexane
Concen: 59.24 ug/L
RT: 4.380 min Scan# 1335
Delta R.T. -0.003 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion: 84 Resp: 537975

Ion	Ratio	Lower	Upper
84	100		
56	136.0	124.1	164.1
41	75.5	58.3	98.3

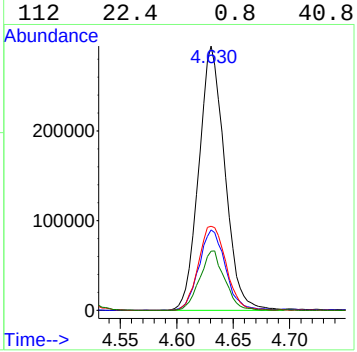


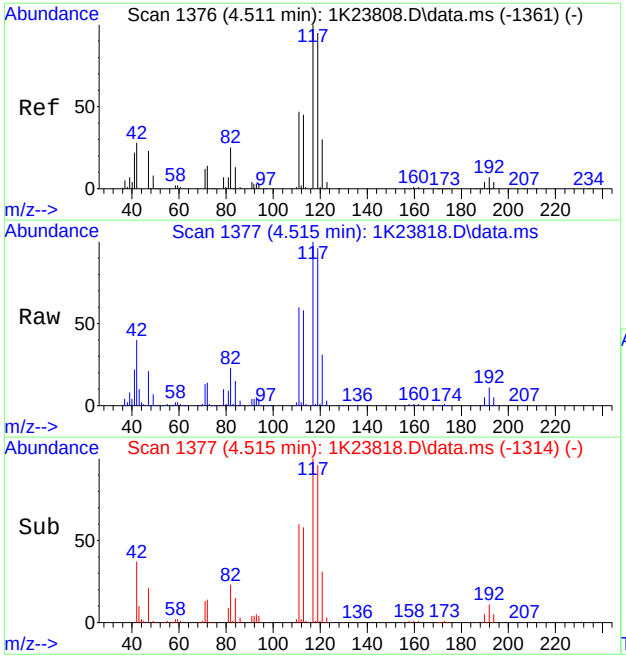


#46
1,1-dichloropropene
Concen: 51.82 ug/L
RT: 4.630 min Scan# 1413
Delta R.T. -0.004 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion: 75 Resp: 470064

Ion	Ratio	Lower	Upper
75	100		
77	30.4	12.0	52.0
110	31.8	12.3	52.3
112	22.4	0.8	40.8

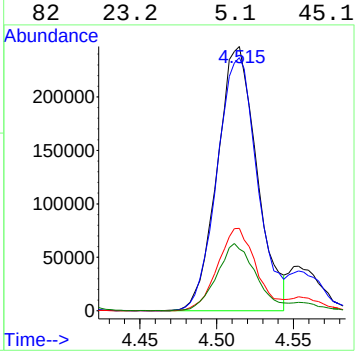


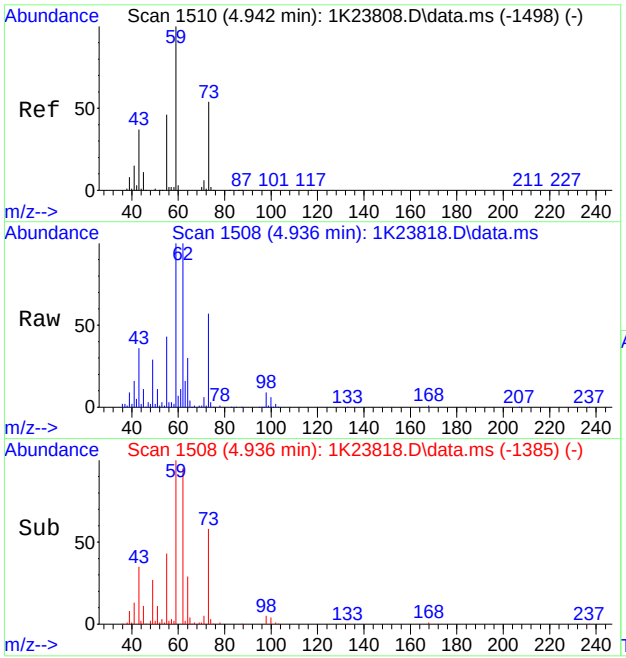


#47
carbon tetrachloride
Concen: 46.30 ug/L
RT: 4.515 min Scan# 1377
Delta R.T. 0.004 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion:117 Resp: 443931

Ion	Ratio	Lower	Upper
117	100		
119	95.7	74.6	114.6
121	31.2	9.9	49.9
82	23.2	5.1	45.1

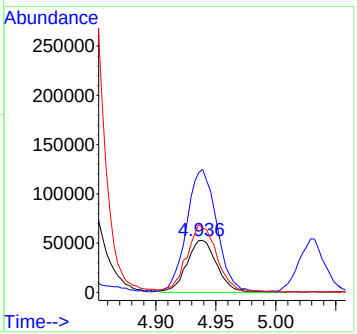


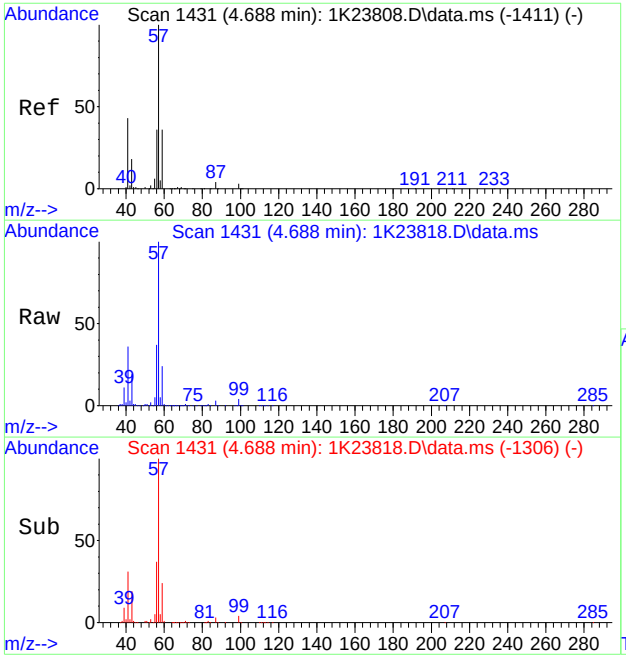


#49
tert-amyl alcohol
Concen: 290.87 ug/L
RT: 4.936 min Scan# 1508
Delta R.T. -0.006 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion: 55 Resp: 92141

Ion	Ratio	Lower	Upper
55	100		
59	226.6	194.2	234.2
73	129.9	101.1	141.1

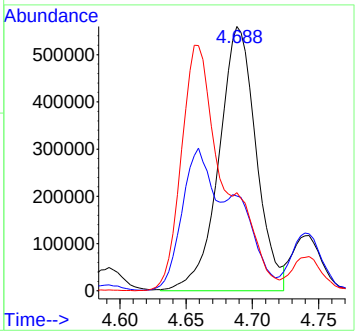


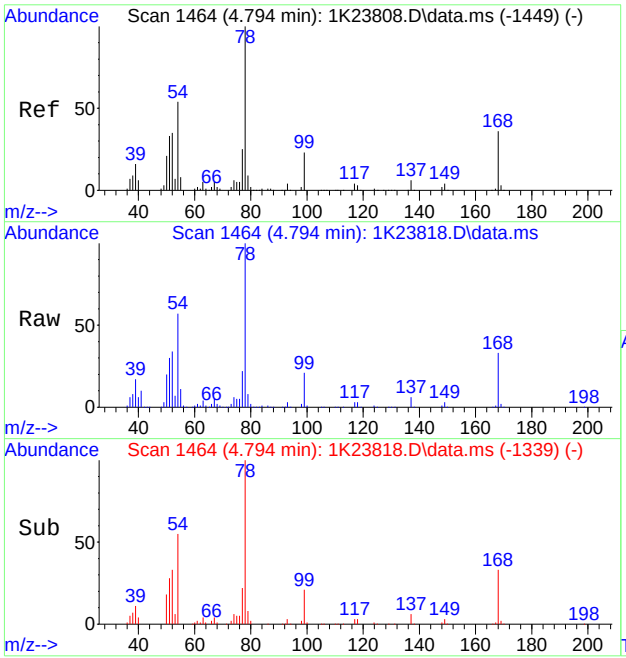


#52
iso-octane
Concen: 42.98 ug/L
RT: 4.688 min Scan# 1431
Delta R.T. 0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion: 57 Resp: 1095149

Ion	Ratio	Lower	Upper
57	100		
41	34.0	22.7	62.7
56	34.0	16.1	56.1

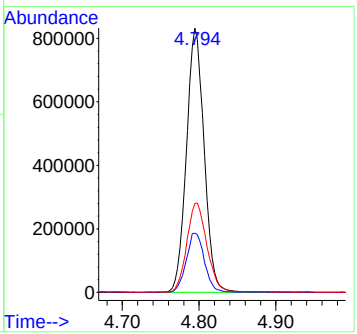


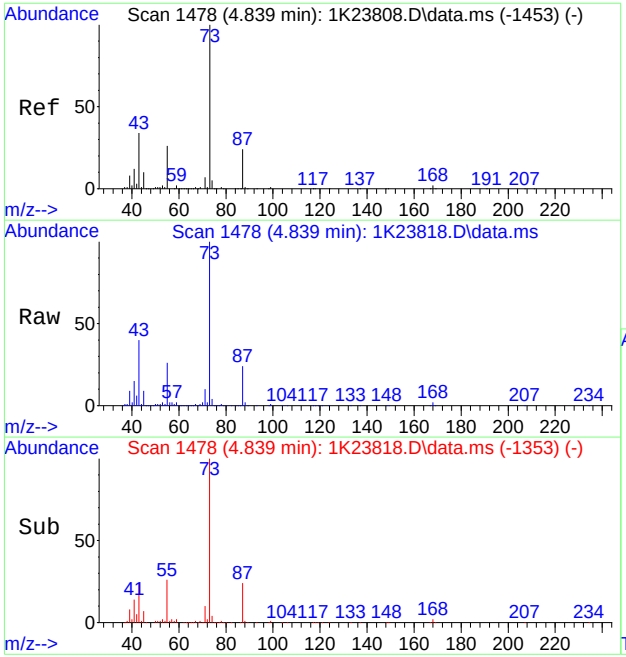


#53
benzene
Concen: 51.19 ug/L
RT: 4.794 min Scan# 1464
Delta R.T. 0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion: 78 Resp: 1334569

Ion	Ratio	Lower	Upper
78	100		
77	22.4	0.0	54.5
52	33.5	5.0	65.0

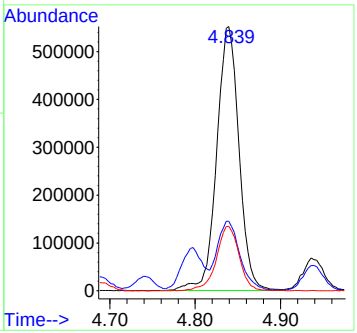


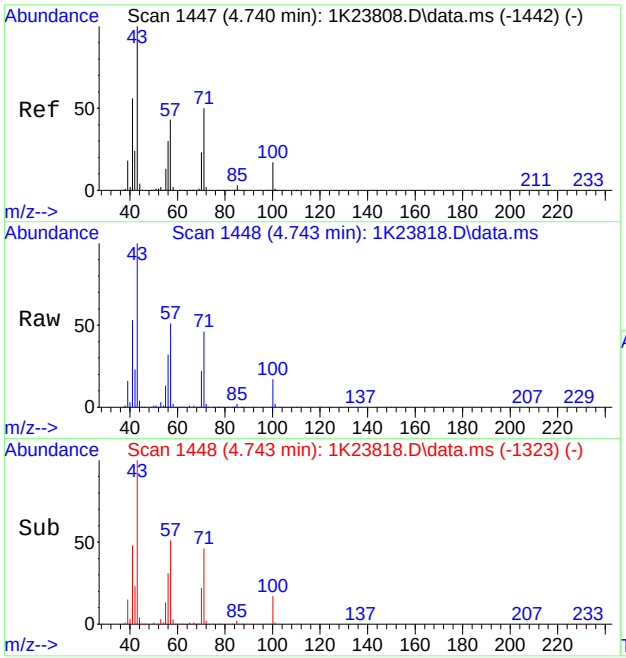


#54
tert-amyl methyl ether
Concen: 47.03 ug/L
RT: 4.839 min Scan# 1478
Delta R.T. 0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion: 73 Resp: 1005333

Ion	Ratio	Lower	Upper
73	100		
55	26.0	7.0	47.0
87	24.4	4.4	44.4

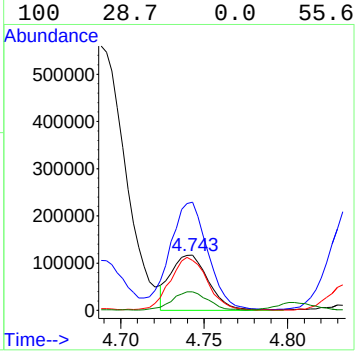


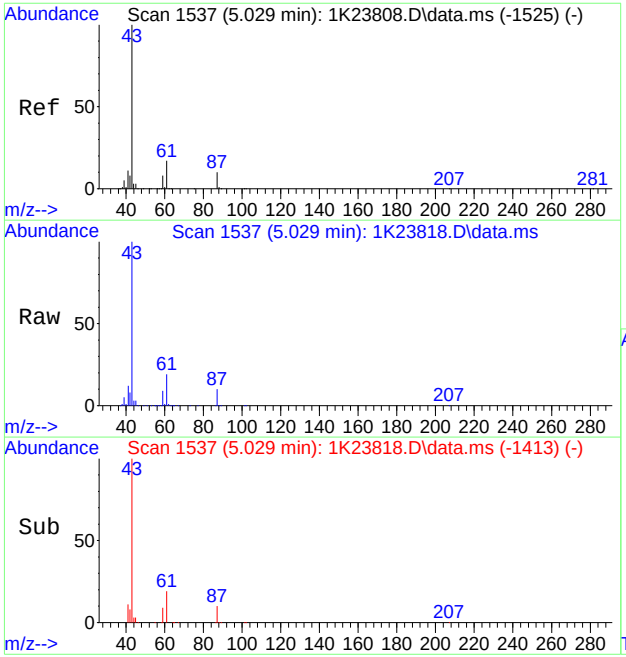


#55
heptane
Concen: 47.50 ug/L
RT: 4.743 min Scan# 1448
Delta R.T. 0.003 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion: 57 Resp: 184210

Ion	Ratio	Lower	Upper
57	100		
43	196.7	165.6	225.6
71	91.5	61.2	121.2
100	28.7	0.0	55.6

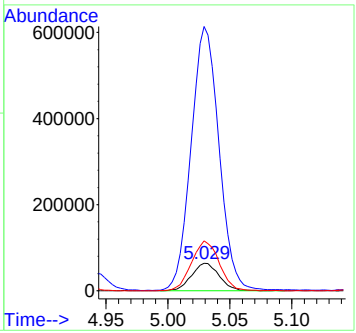


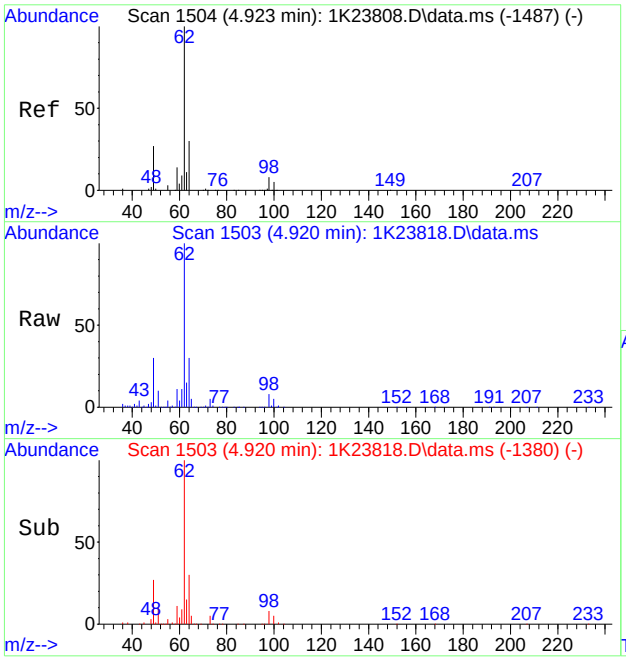


#56
isopropyl acetate
Concen: 51.50 ug/L
RT: 5.029 min Scan# 1537
Delta R.T. 0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion: 87 Resp: 99695

Ion	Ratio	Lower	Upper
87	100		
43	960.0	998.2	1058.2#
61	180.8	147.0	207.0

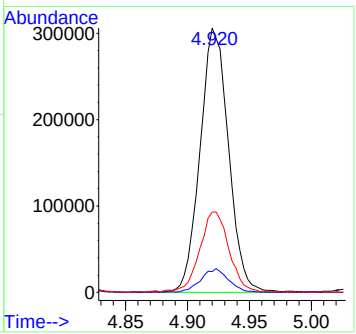


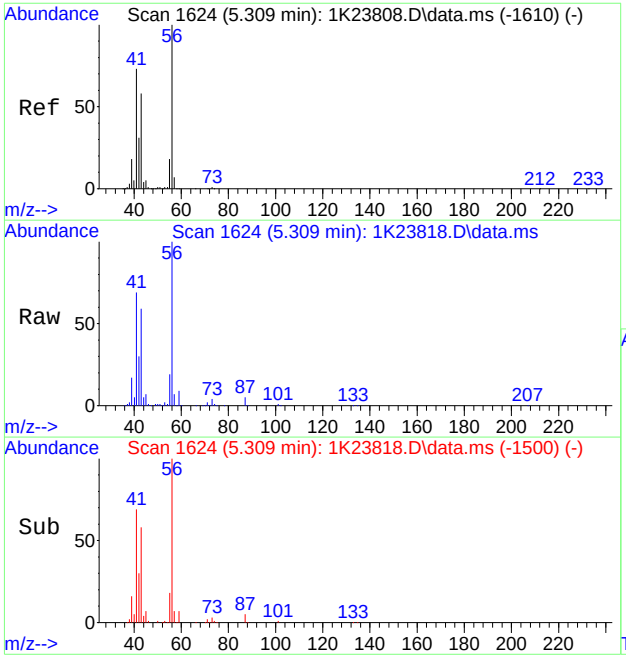


#57
1,2-dichloroethane
Concen: 46.50 ug/L
RT: 4.920 min Scan# 1503
Delta R.T. -0.003 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion: 62 Resp: 489074

Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	38.3
64	30.3	0.4	60.4

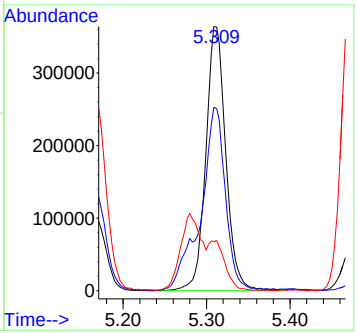


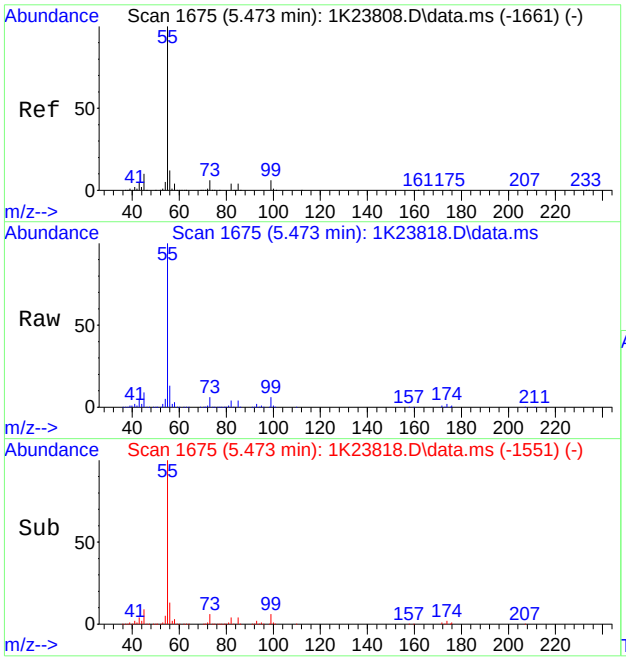


#58
n-butyl alcohol
Concen: 3315.10 ug/L
RT: 5.309 min Scan# 1624
Delta R.T. -0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion: 56 Resp: 608278

Ion	Ratio	Lower	Upper
56	100		
41	69.1	53.5	93.5
55	18.2	0.0	38.0

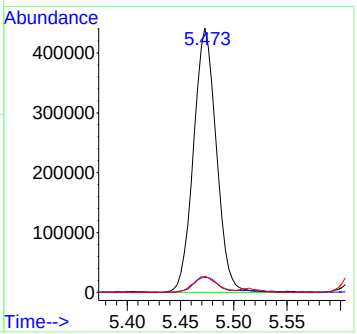


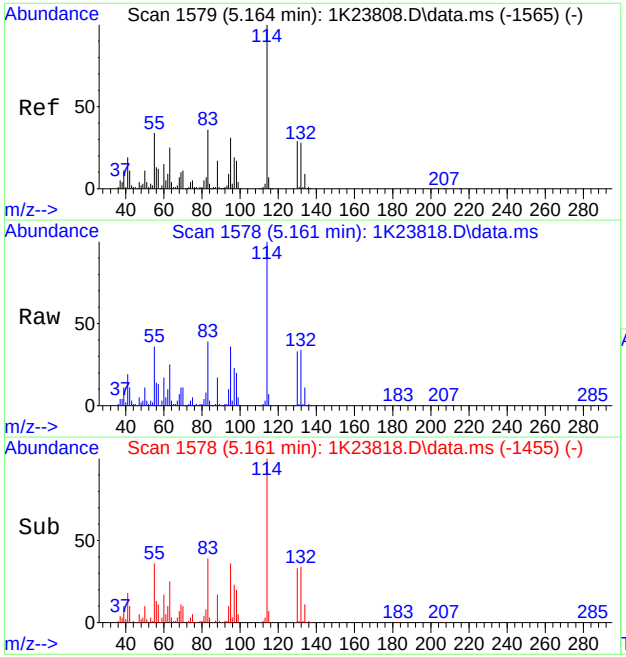


#59
ethyl acrylate
Concen: 50.80 ug/L
RT: 5.473 min Scan# 1675
Delta R.T. -0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion: 55 Resp: 660267

Ion	Ratio	Lower	Upper
55	100		
73	5.6	0.0	35.8
99	6.2	0.0	35.9

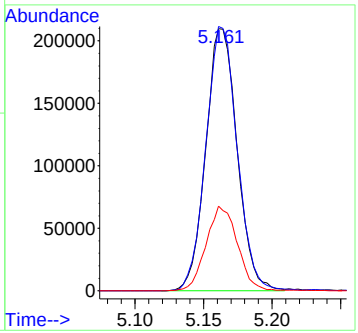


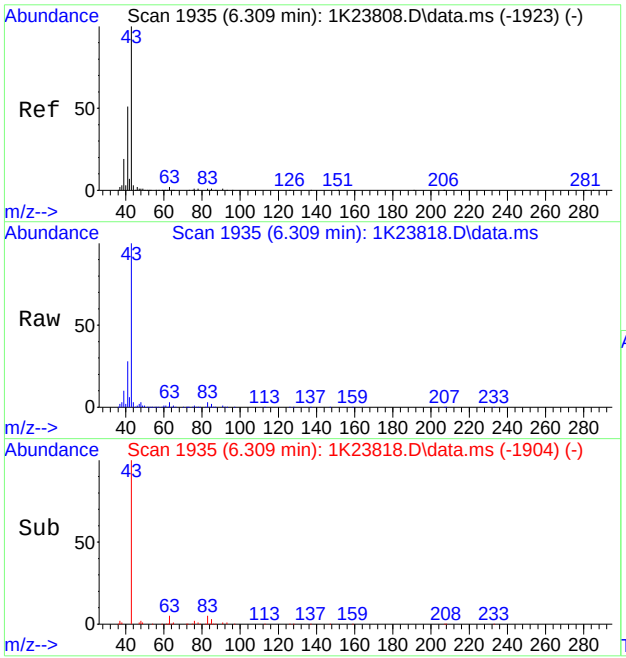


#60
trichloroethene
Concen: 51.08 ug/L
RT: 5.161 min Scan# 1578
Delta R.T. -0.003 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion:130 Resp: 334202

Ion	Ratio	Lower	Upper
130	100		
132	100.9	66.4	126.4
134	32.3	0.0	59.6

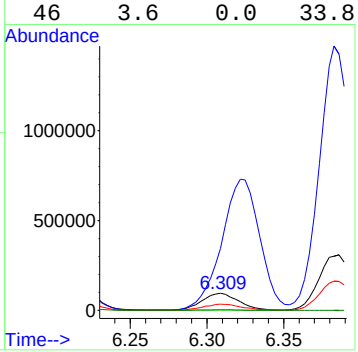


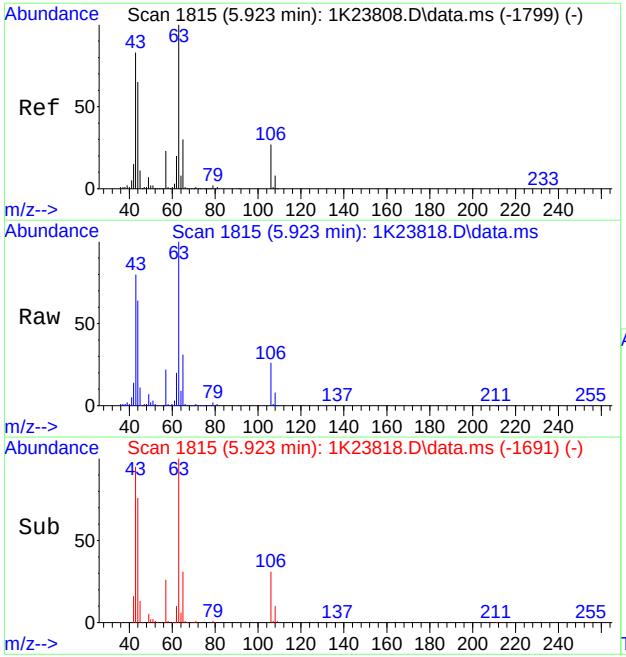


#61
2-nitropropane
Concen: 49.02 ug/L
RT: 6.309 min Scan# 1935
Delta R.T. -0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion: 41 Resp: 153795

Ion	Ratio	Lower	Upper
41	100		
43	365.8	164.7	224.7#
39	35.4	6.3	66.3
46	3.6	0.0	33.8

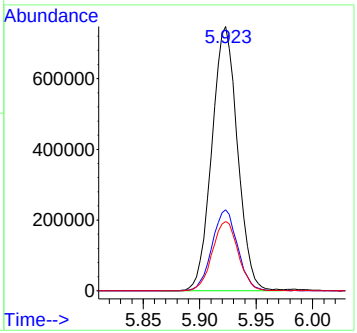


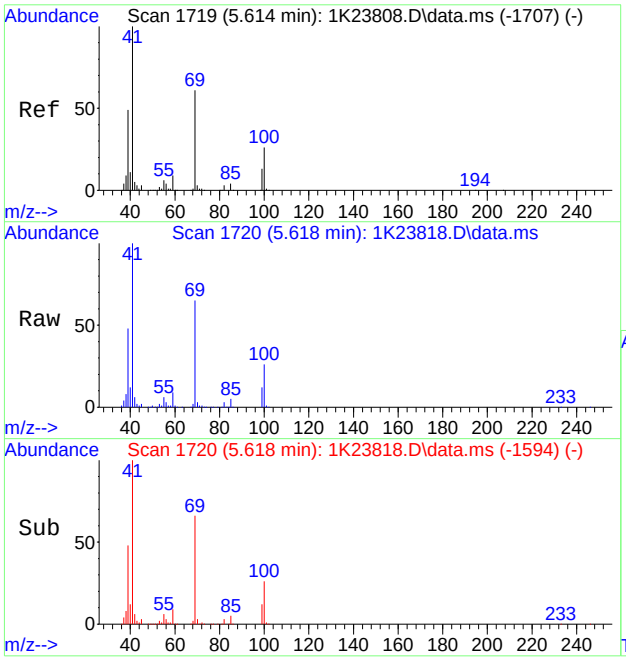


#62
2-chloroethyl vinyl ether
Concen: 253.21 ug/L
RT: 5.923 min Scan# 1815
Delta R.T. -0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion: 63 Resp: 1177225

Ion	Ratio	Lower	Upper
63	100		
65	30.6	0.4	60.4
106	26.2	0.0	57.4

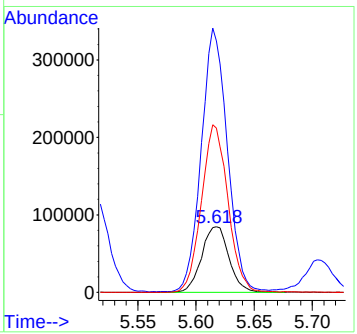


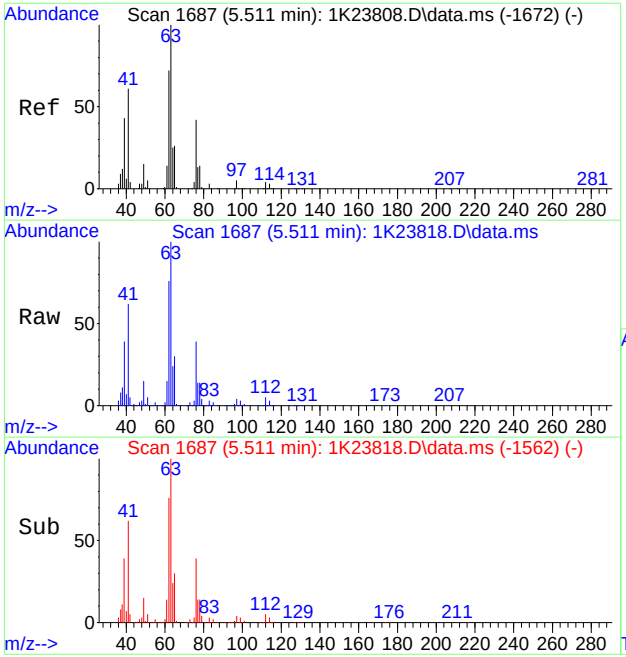


#63
methyl methacrylate
Concen: 60.89 ug/L
RT: 5.618 min Scan# 1720
Delta R.T. 0.004 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion:100 Resp: 138700

Ion	Ratio	Lower	Upper
100	100		
41	382.5	352.7	412.7
69	250.7	201.8	261.8

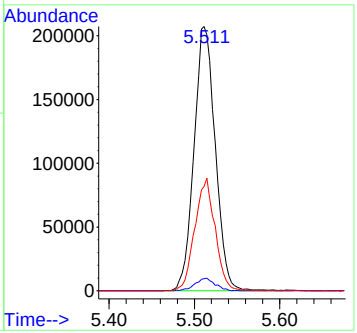


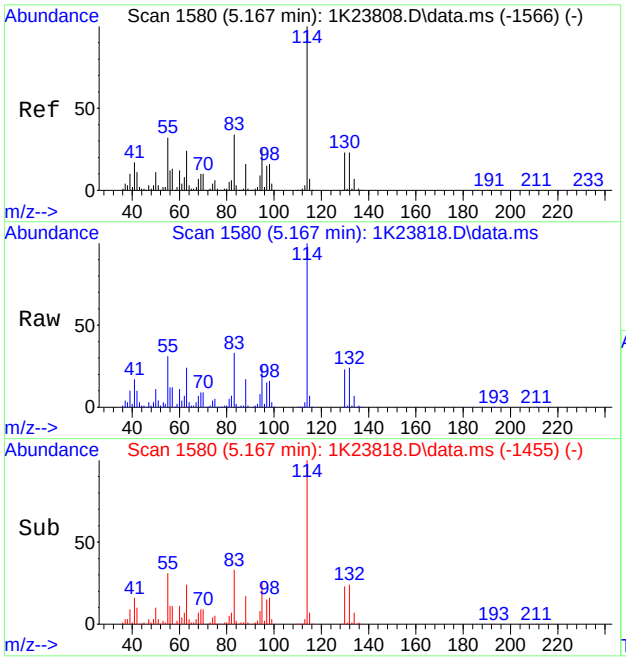


#64
1,2-dichloropropane
Concen: 49.56 ug/L
RT: 5.511 min Scan# 1687
Delta R.T. 0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion: 63 Resp: 359105

Ion	Ratio	Lower	Upper
63	100		
112	4.6	0.0	34.3
76	39.4	11.5	71.5

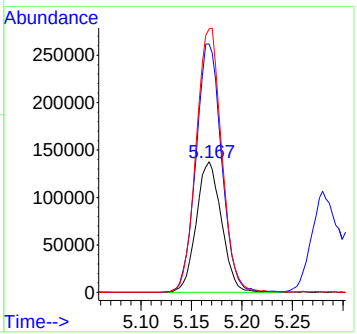


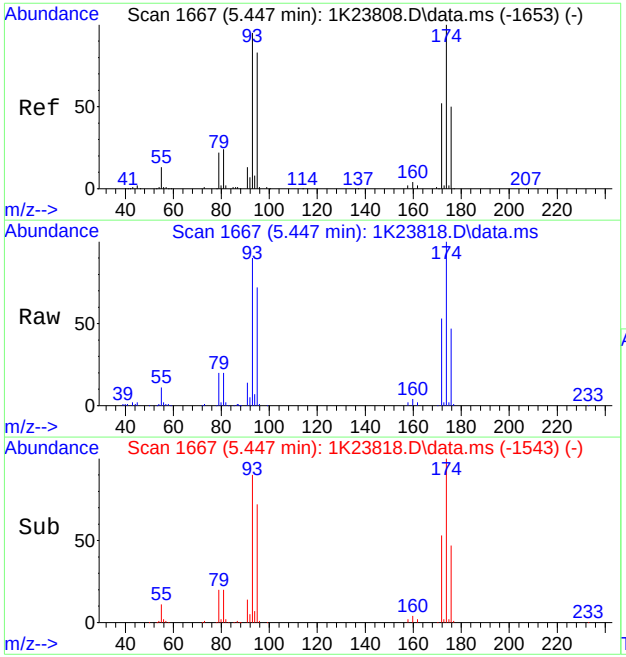


#65
methylcyclohexane
Concen: 50.58 ug/L
RT: 5.167 min Scan# 1580
Delta R.T. 0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion: 98 Resp: 239520

Ion	Ratio	Lower	Upper
98	100		
55	189.9	162.4	222.4
83	201.5	177.4	237.4

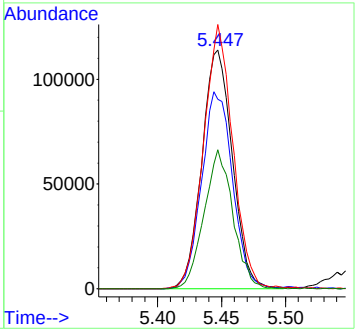


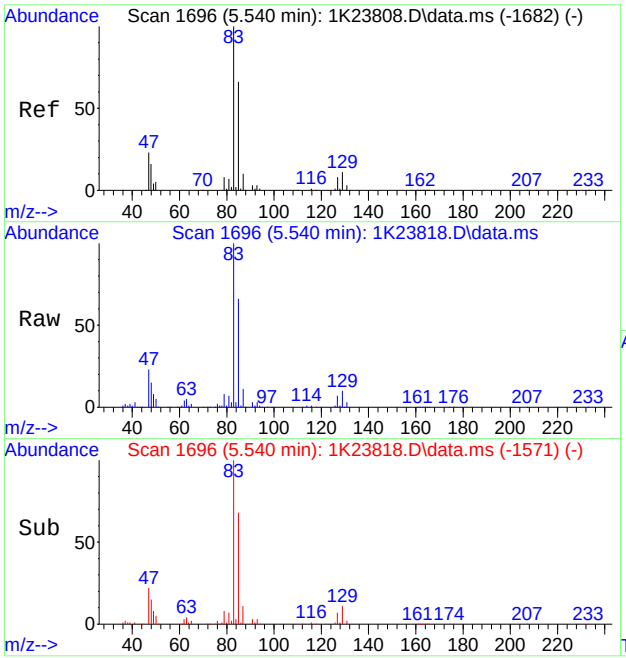


#66
dibromomethane
Concen: 48.34 ug/L
RT: 5.447 min Scan# 1667
Delta R.T. 0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion: 93 Resp: 189297

Ion	Ratio	Lower	Upper
93	100		
95	79.4	57.5	117.5
174	110.7	75.1	135.1
172	58.2	34.2	74.2

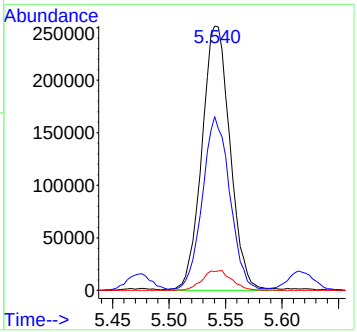


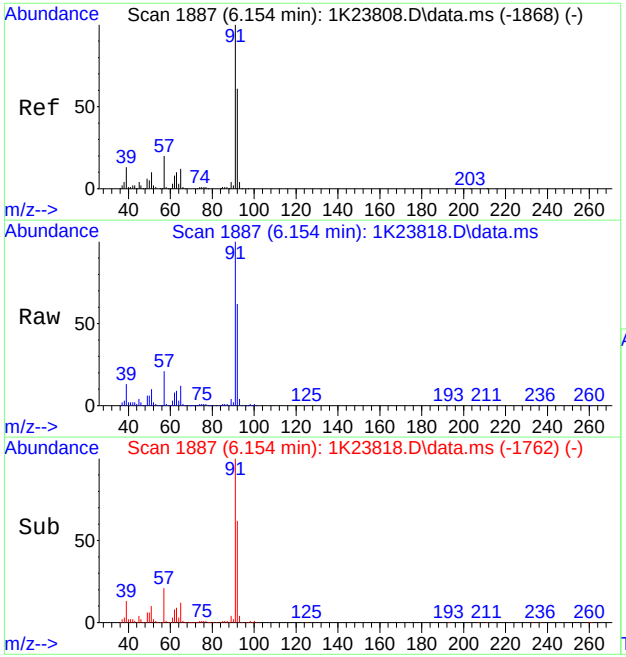


#67
bromodichloromethane
Concen: 49.26 ug/L
RT: 5.540 min Scan# 1696
Delta R.T. 0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion: 83 Resp: 435711

Ion	Ratio	Lower	Upper
83	100		
85	64.2	35.5	95.5
127	7.2	0.0	37.9

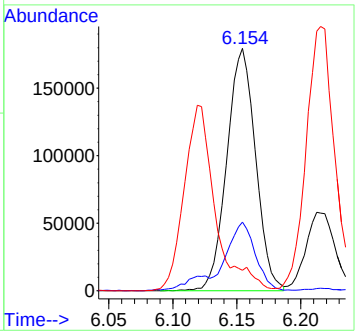


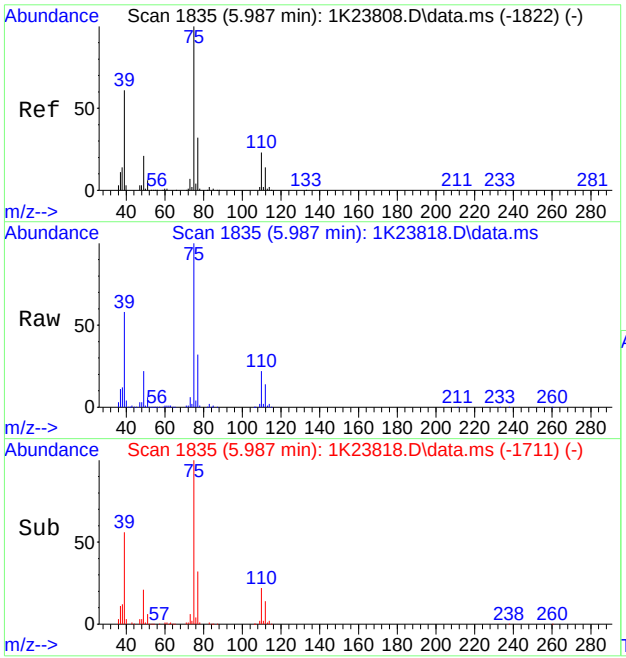


#68
epichlorohydrin
Concen: 262.96 ug/L
RT: 6.154 min Scan# 1887
Delta R.T. 0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion: 57 Resp: 280245

Ion	Ratio	Lower	Upper
57	100		
49	28.0	8.2	48.2
42	7.5	0.0	27.5

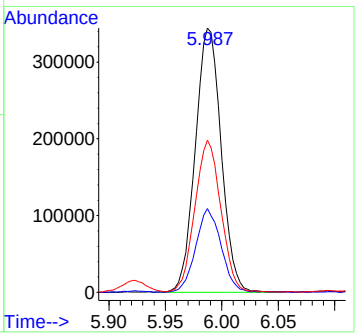


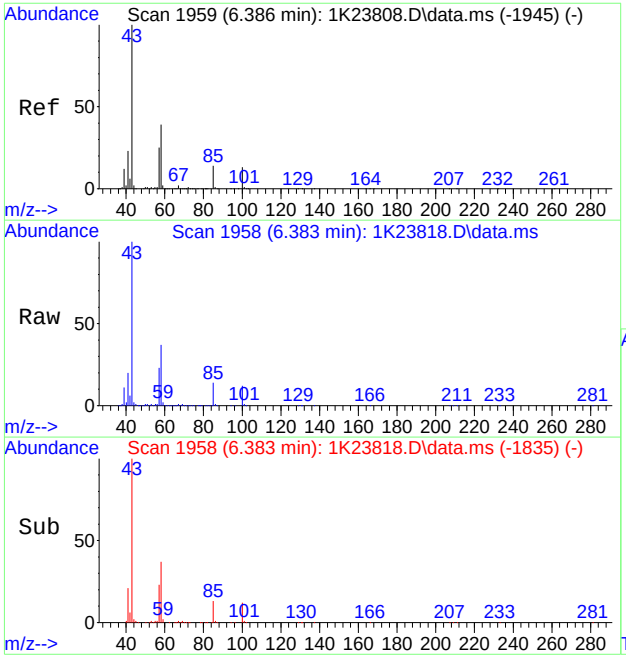


#69
cis-1,3-dichloropropene
Concen: 50.84 ug/L
RT: 5.987 min Scan# 1835
Delta R.T. 0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion: 75 Resp: 549834

Ion	Ratio	Lower	Upper
75	100		
77	31.6	2.2	62.2
39	57.5	31.6	91.6

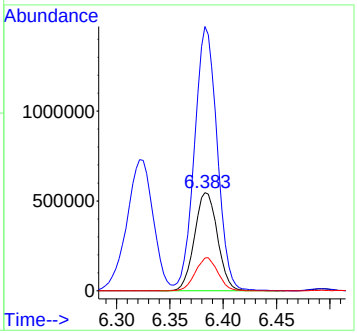


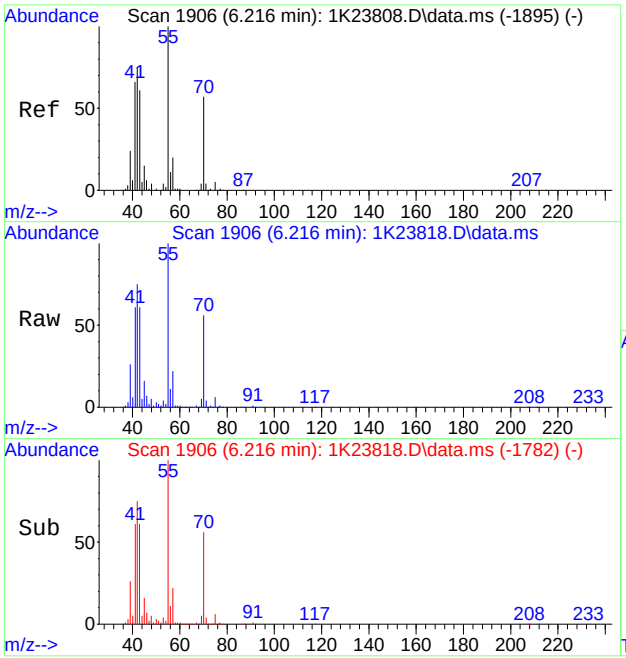


#70
4-methyl-2-pentanone
Concen: 197.60 ug/L
RT: 6.383 min Scan# 1958
Delta R.T. -0.003 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion: 58 Resp: 820922

Ion	Ratio	Lower	Upper
58	100		
43	269.1	235.3	295.3
100	33.6	2.2	62.2

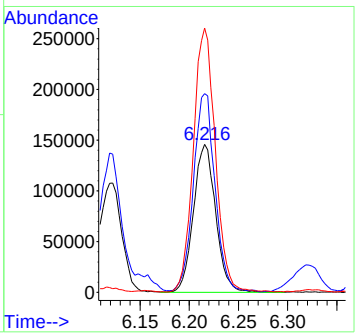


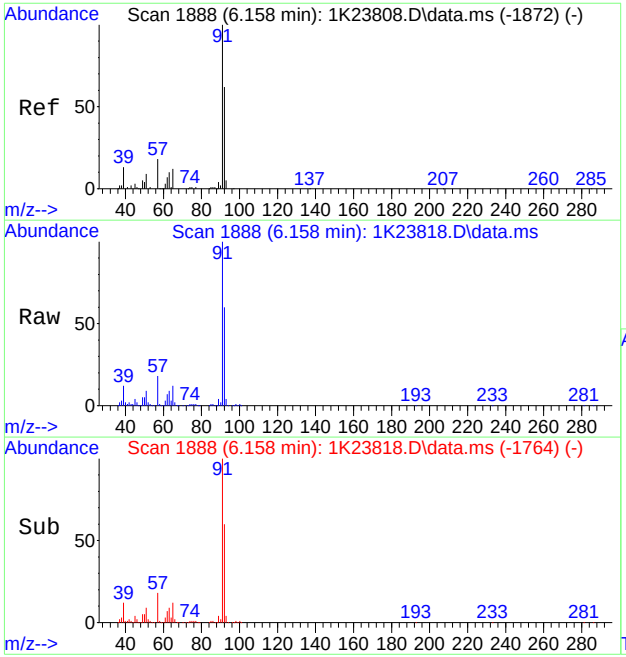


#71
3-methyl-1-butanol
Concen: 1220.99 ug/L
RT: 6.216 min Scan# 1906
Delta R.T. -0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion: 70 Resp: 229575

Ion	Ratio	Lower	Upper
70	100		
42	131.1	103.4	163.4
55	178.4	146.9	206.9

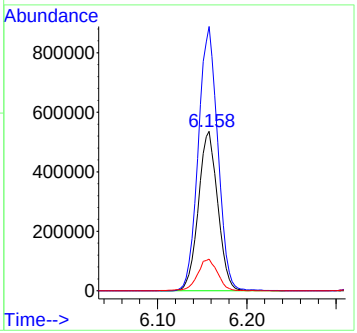


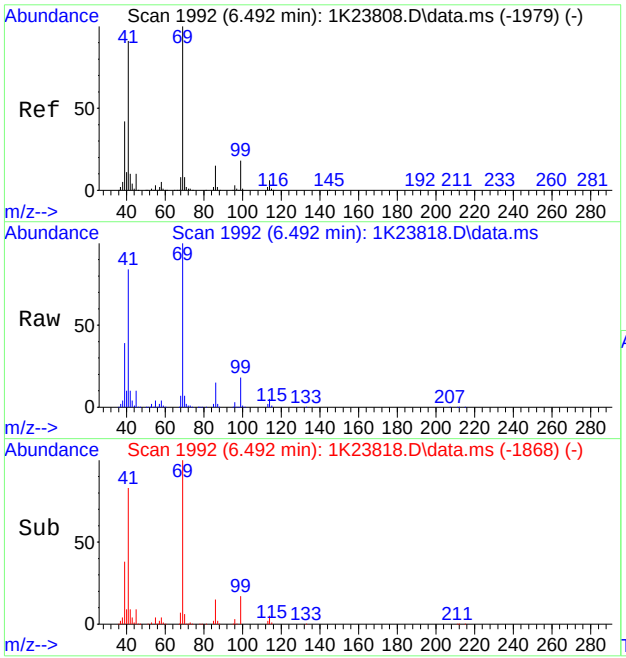


#74
toluene
Concen: 49.70 ug/L
RT: 6.158 min Scan# 1888
Delta R.T. -0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion: 92 Resp: 806686

Ion	Ratio	Lower	Upper
92	100		
91	165.7	140.0	180.0
65	19.9	0.0	39.6

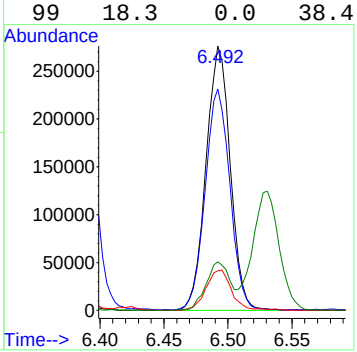


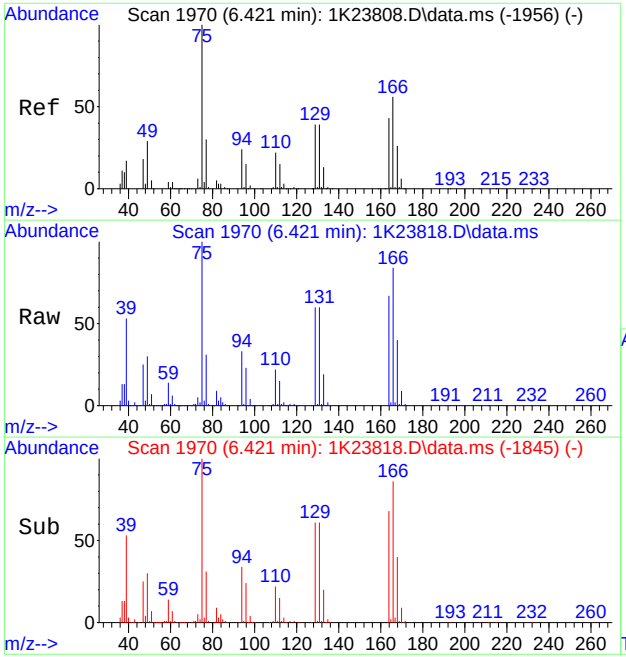


#75
ethyl methacrylate
Concen: 38.32 ug/L
RT: 6.492 min Scan# 1992
Delta R.T. 0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion: 69 Resp: 364877

Ion	Ratio	Lower	Upper
69	100		
41	83.6	71.2	111.2
86	15.0	0.0	35.1
99	18.3	0.0	38.4

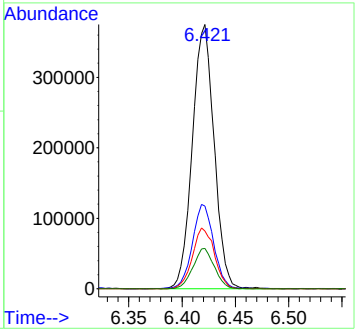


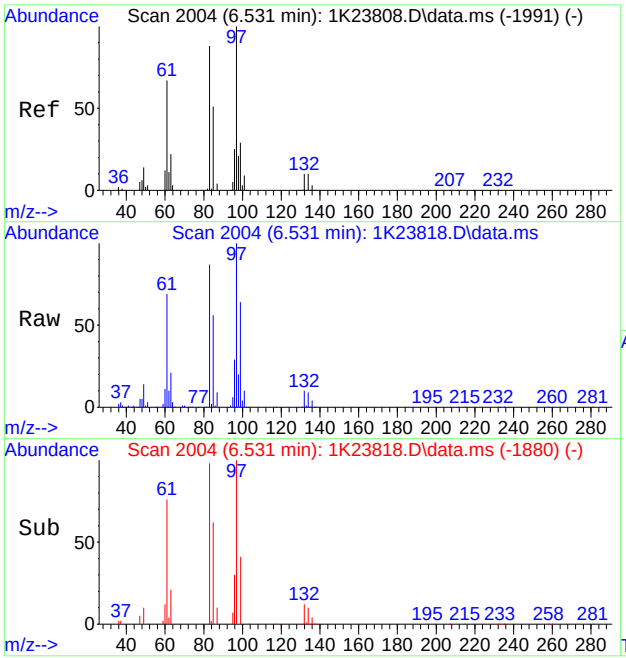


#76
trans-1,3-dichloropropene
Concen: 50.71 ug/L
RT: 6.421 min Scan# 1970
Delta R.T. 0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion: 75 Resp: 533228

Ion	Ratio	Lower	Upper
75	100		
77	31.2	10.4	50.4
110	21.8	2.4	42.4
112	15.3	0.0	34.7

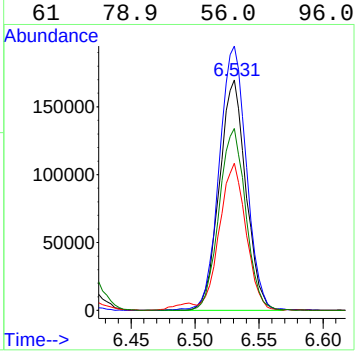


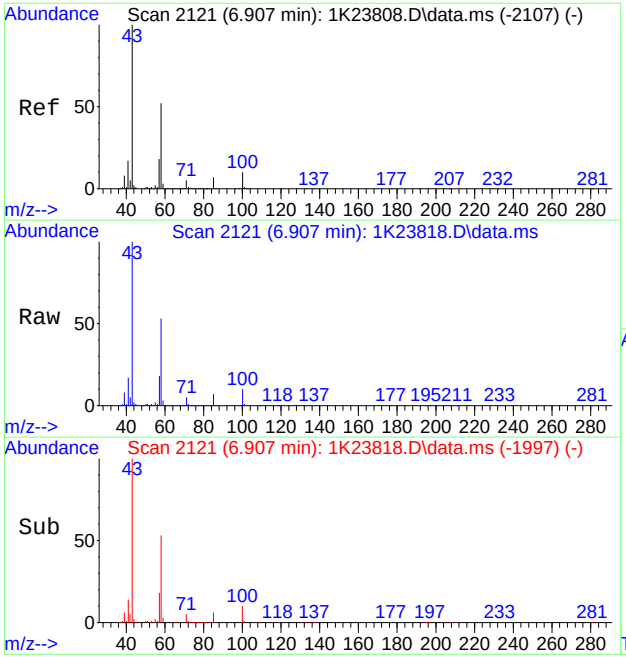


#77
1,1,2-trichloroethane
Concen: 53.23 ug/L
RT: 6.531 min Scan# 2004
Delta R.T. -0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion: 83 Resp: 244776

Ion	Ratio	Lower	Upper
83	100		
97	114.7	94.4	134.4
85	63.7	41.5	81.5
61	78.9	56.0	96.0

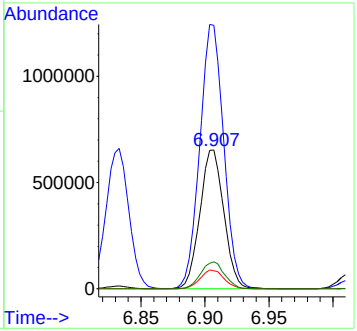


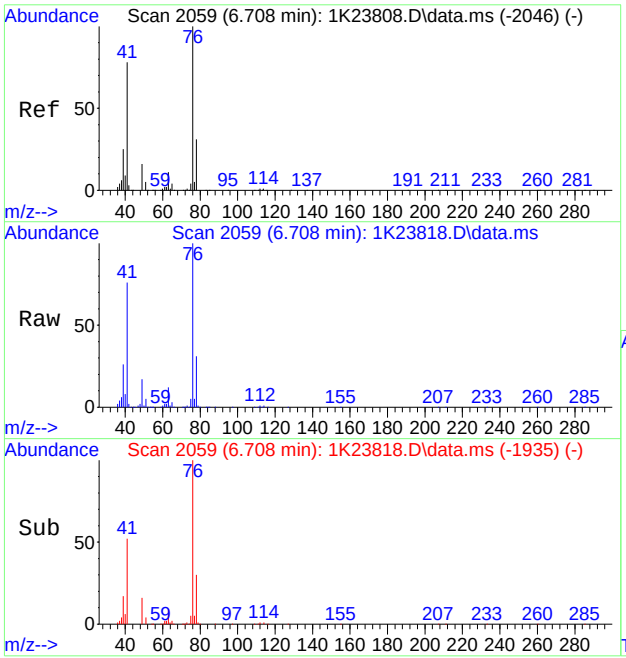


#79
2-hexanone
Concen: 199.09 ug/L
RT: 6.907 min Scan# 2121
Delta R.T. -0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion: 58 Resp: 850508

Ion	Ratio	Lower	Upper
58	100		
43	189.5	172.5	212.5
85	12.9	0.0	32.5
100	19.4	0.0	39.5

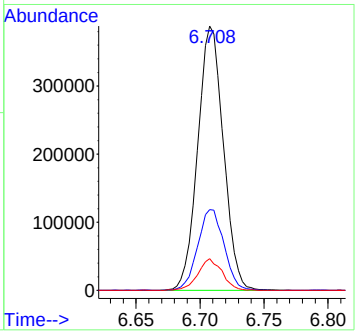


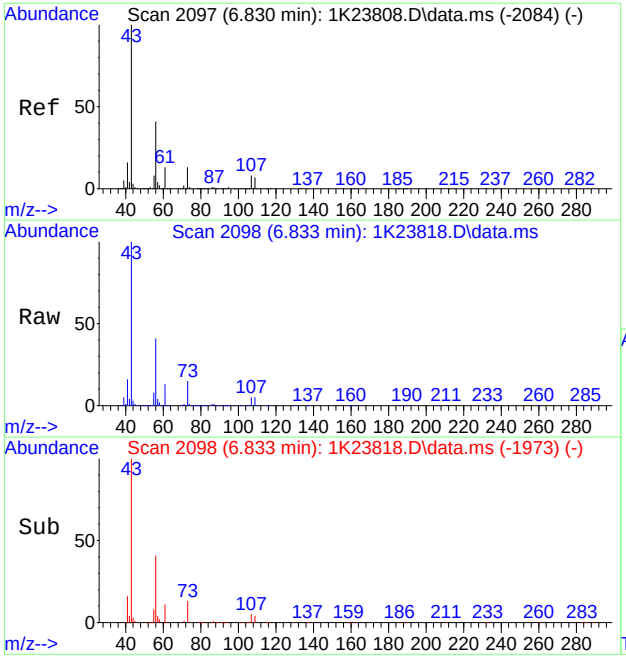


#80
1,3-dichloropropane
Concen: 52.72 ug/L
RT: 6.708 min Scan# 2059
Delta R.T. -0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion: 76 Resp: 542787

Ion	Ratio	Lower	Upper
76	100		
78	30.5	0.6	60.6
63	12.0	0.0	41.5

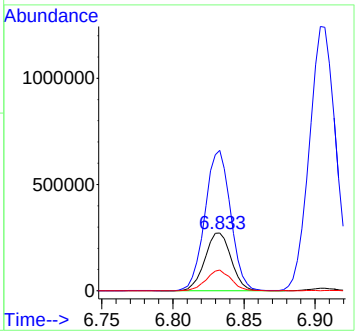


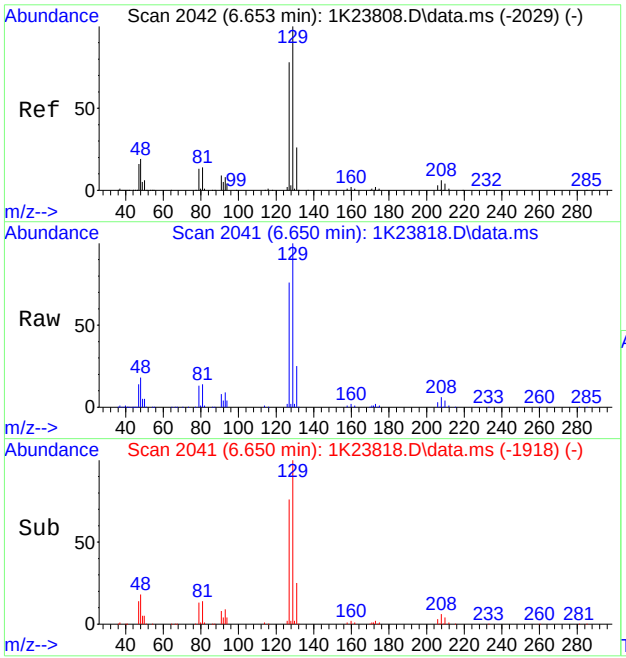


#81
butyl acetate
Concen: 50.44 ug/L
RT: 6.833 min Scan# 2098
Delta R.T. 0.003 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion: 56 Resp: 349288

Ion	Ratio	Lower	Upper
56	100		
43	243.0	215.3	275.3
73	35.6	2.2	62.2

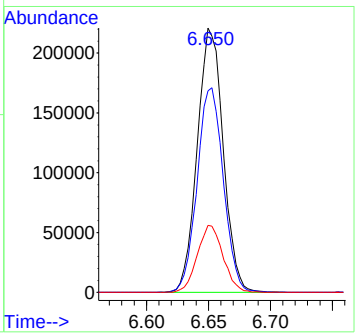


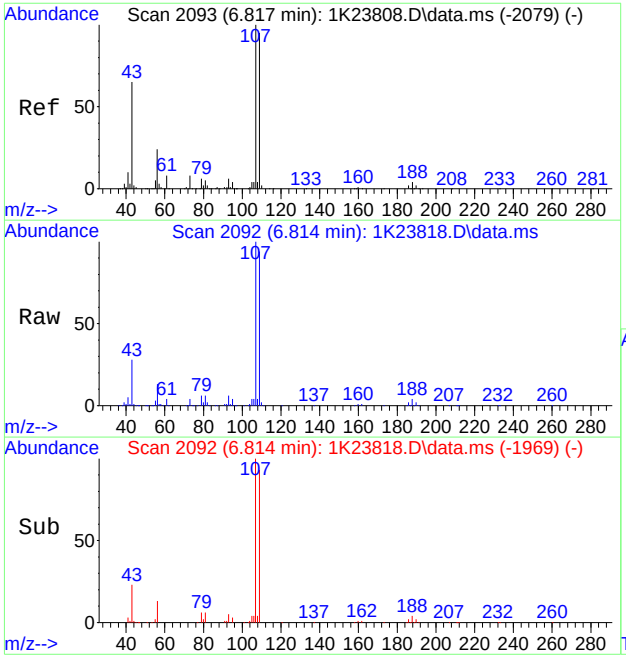


#82
dibromochloromethane
Concen: 49.73 ug/L
RT: 6.650 min Scan# 2041
Delta R.T. -0.003 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion:129 Resp: 321831

Ion	Ratio	Lower	Upper
129	100		
127	76.2	47.8	107.8
131	25.4	0.0	55.8

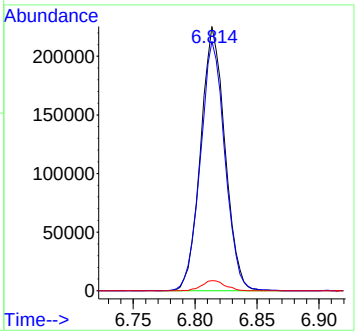


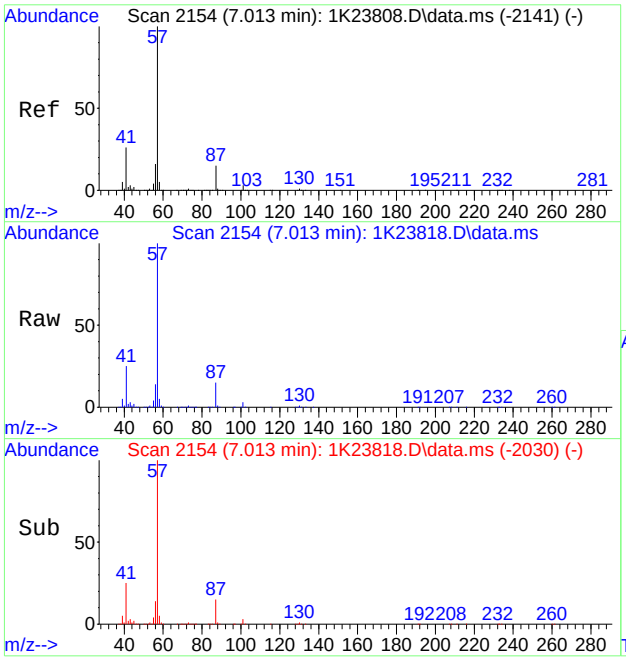


#83
1,2-dibromoethane
Concen: 52.86 ug/L
RT: 6.814 min Scan# 2092
Delta R.T. -0.003 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion:107 Resp: 307420

Ion	Ratio	Lower	Upper
107	100		
109	94.3	65.3	125.3
188	3.9	0.0	33.6

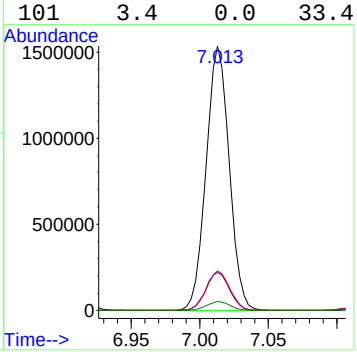


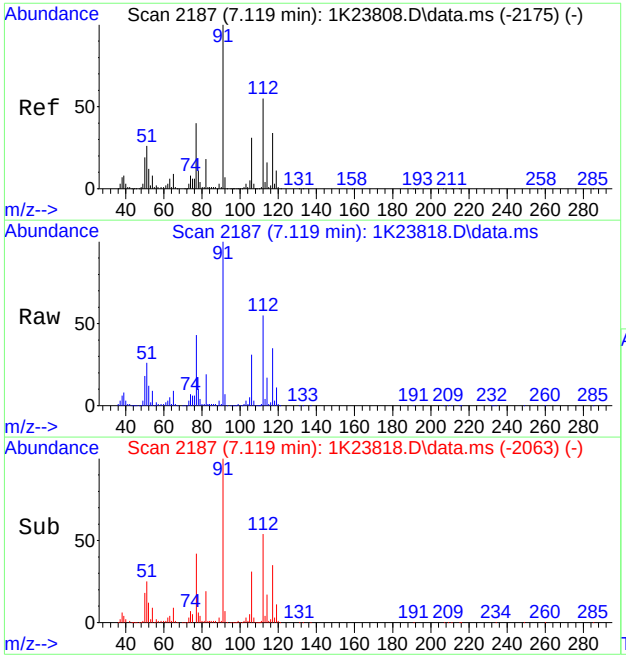


#84
n-butyl ether
Concen: 52.63 ug/L
RT: 7.013 min Scan# 2154
Delta R.T. -0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion: 57 Resp: 1796649

Ion	Ratio	Lower	Upper
57	100		
56	14.5	0.0	45.7
87	15.0	0.0	44.9
101	3.4	0.0	33.4

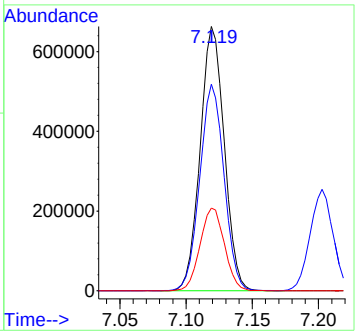


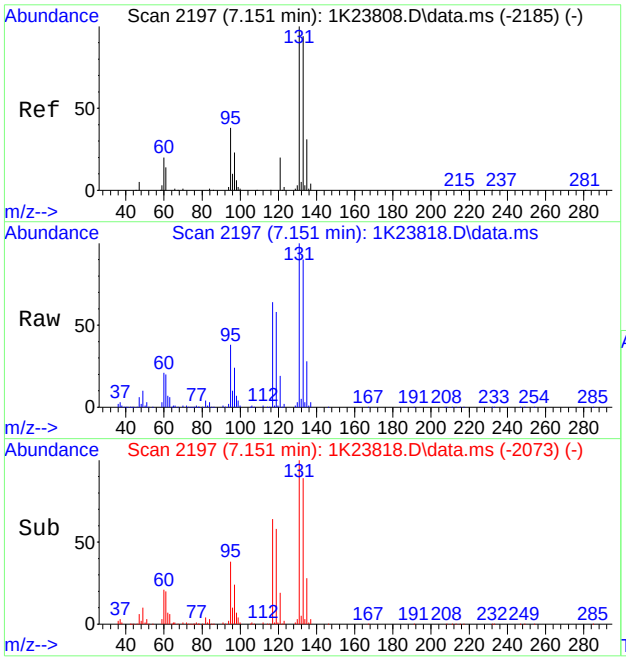


#85
chlorobenzene
Concen: 49.85 ug/L
RT: 7.119 min Scan# 2187
Delta R.T. 0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion:112 Resp: 837029

Ion	Ratio	Lower	Upper
112	100		
77	78.1	43.7	103.7
114	31.2	0.0	59.8

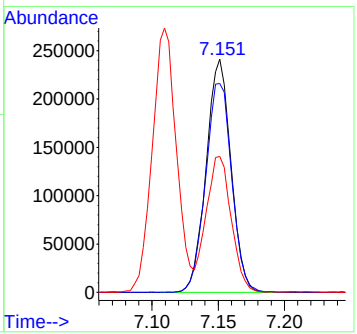


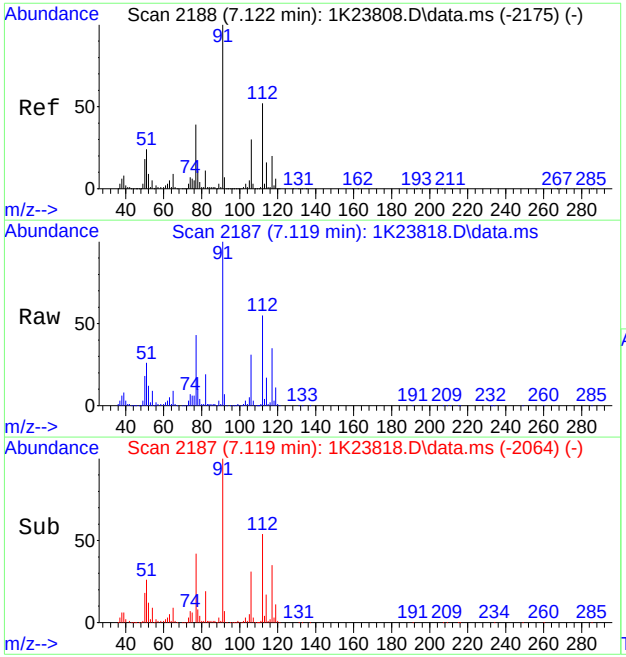


#86
1,1,1,2-tetrachloroethane
Concen: 50.92 ug/L
RT: 7.151 min Scan# 2197
Delta R.T. 0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion:131 Resp: 314664

Ion	Ratio	Lower	Upper
131	100		
133	89.6	64.3	124.3
119	58.1	27.7	87.7

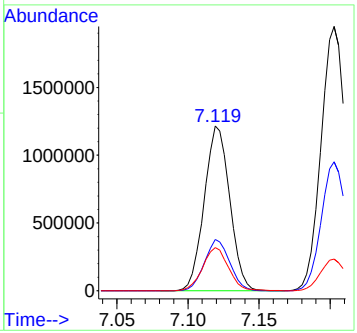


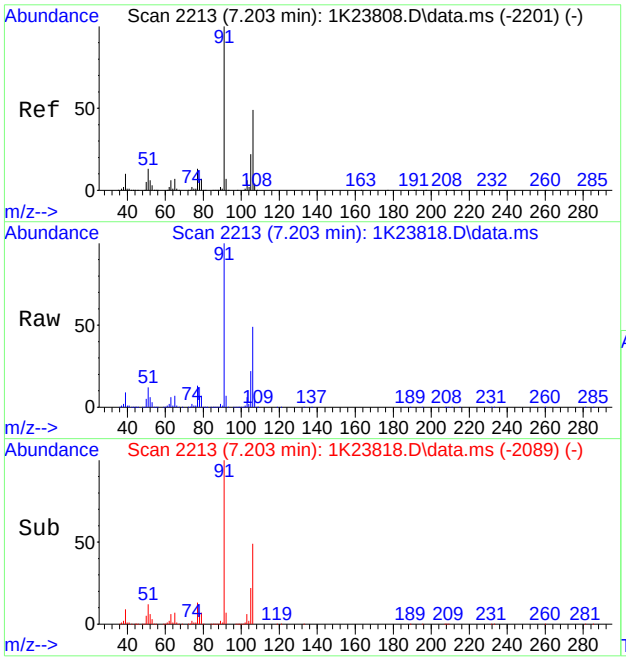


#87
ethylbenzene
Concen: 49.22 ug/L
RT: 7.119 min Scan# 2187
Delta R.T. -0.003 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion: 91 Resp: 1516788

Ion	Ratio	Lower	Upper
91	100		
106	31.3	0.3	60.3
51	26.3	0.0	54.3

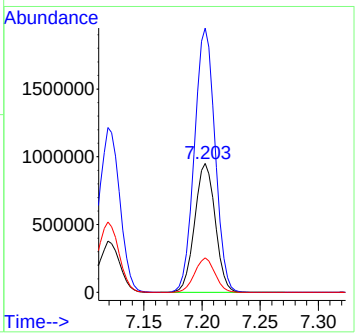


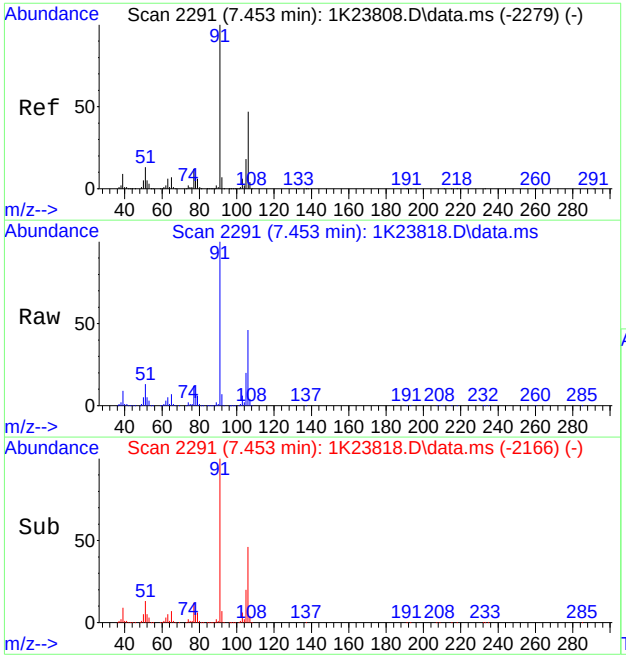


#88
m,p-xylene
Concen: 101.04 ug/L
RT: 7.203 min Scan# 2213
Delta R.T. -0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion:106 Resp: 1168932

Ion	Ratio	Lower	Upper
106	100		
91	205.2	176.0	236.0
77	26.8	5.9	45.9

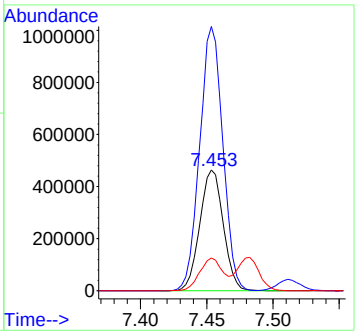


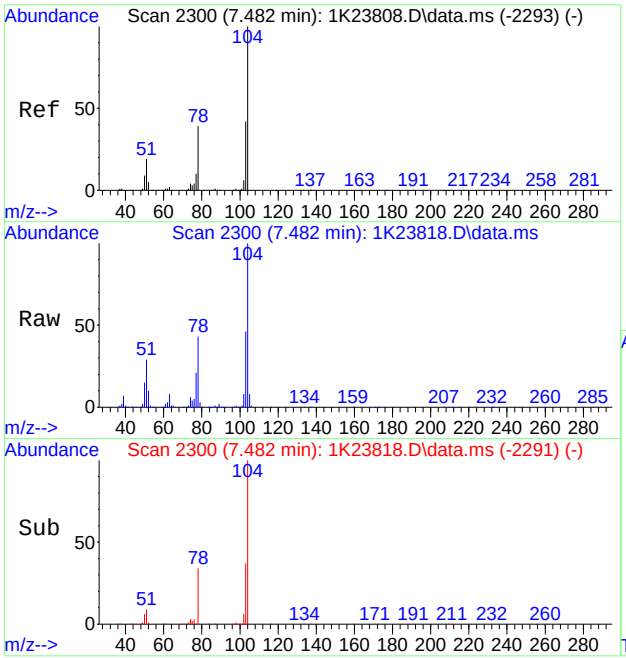


#89
o-xylene
Concen: 51.72 ug/L
RT: 7.453 min Scan# 2291
Delta R.T. 0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion:106 Resp: 572239

Ion	Ratio	Lower	Upper
106	100		
91	218.9	183.9	243.9
77	27.2	5.0	45.0

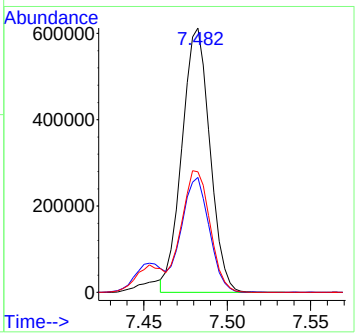


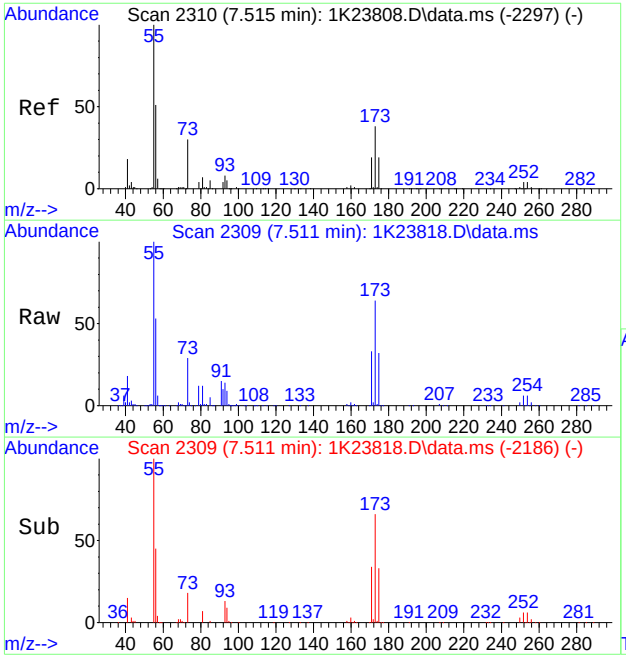


#90
styrene
Concen: 38.21 ug/L
RT: 7.482 min Scan# 2300
Delta R.T. 0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion:104 Resp: 714221

Ion	Ratio	Lower	Upper
104	100		
78	43.5	13.8	73.8
103	45.6	16.3	76.3

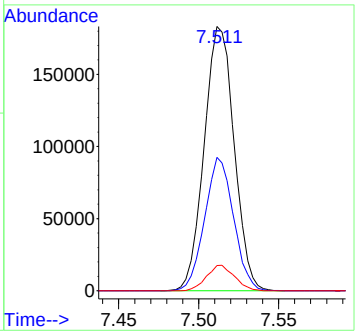


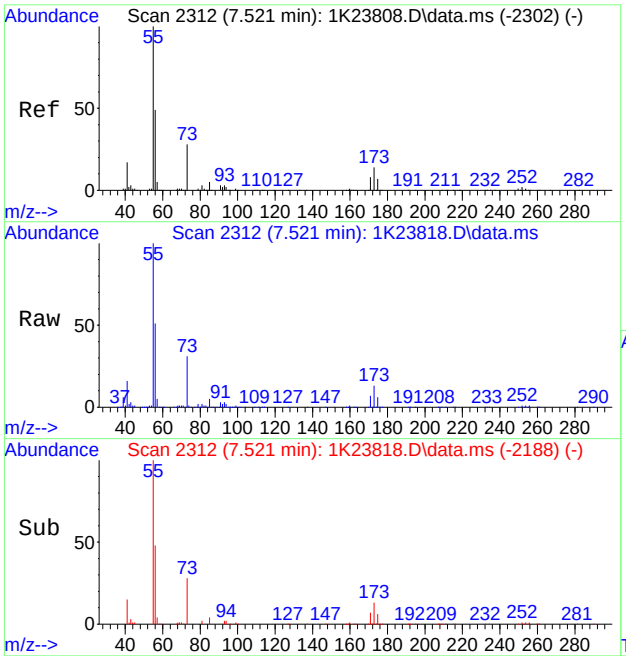


#91
bromoform
Concen: 51.82 ug/L
RT: 7.511 min Scan# 2309
Delta R.T. -0.004 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion:173 Resp: 239059

Ion	Ratio	Lower	Upper
173	100		
175	50.4	20.6	80.6
254	9.5	0.0	39.4

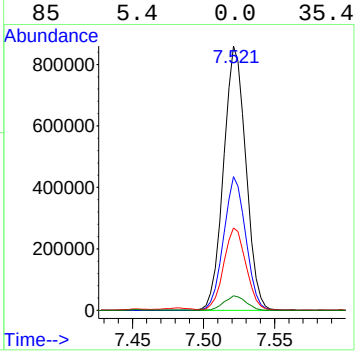


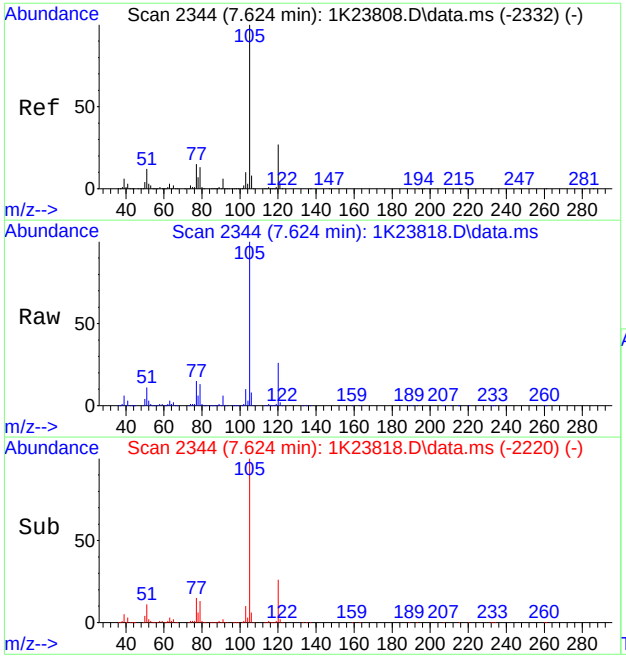


#92
butyl acrylate
Concen: 52.10 ug/L
RT: 7.521 min Scan# 2312
Delta R.T. -0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion: 55 Resp: 938493

Ion	Ratio	Lower	Upper
55	100		
56	50.6	19.2	79.2
73	31.1	0.0	59.1
85	5.4	0.0	35.4

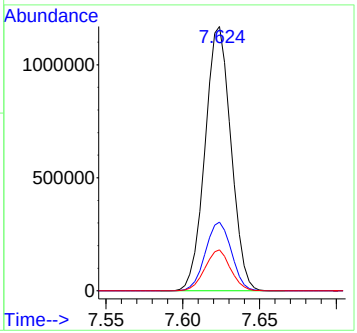


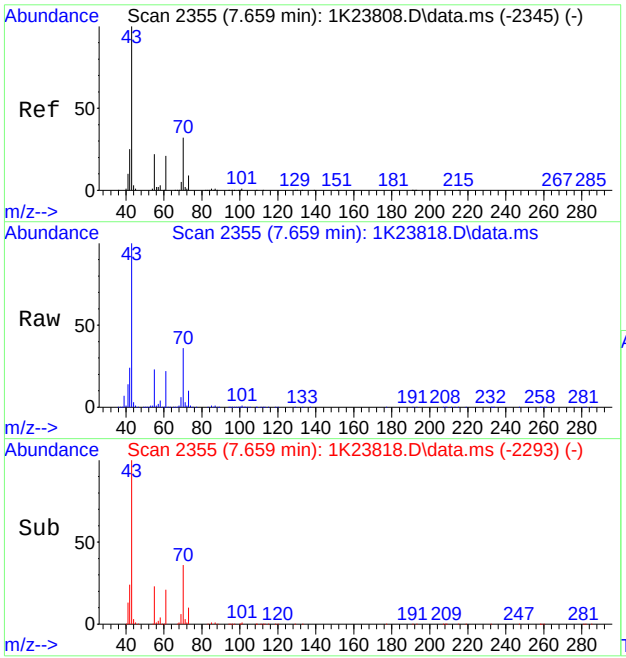


#93
isopropylbenzene
Concen: 50.06 ug/L
RT: 7.624 min Scan# 2344
Delta R.T. -0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion:105 Resp: 1374247

Ion	Ratio	Lower	Upper
105	100		
120	26.0	7.4	47.4
77	15.5	0.0	35.4

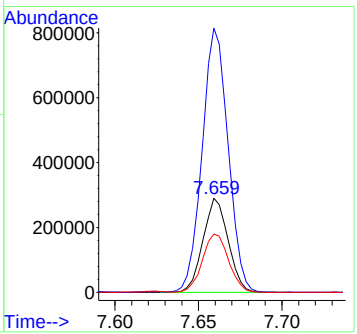


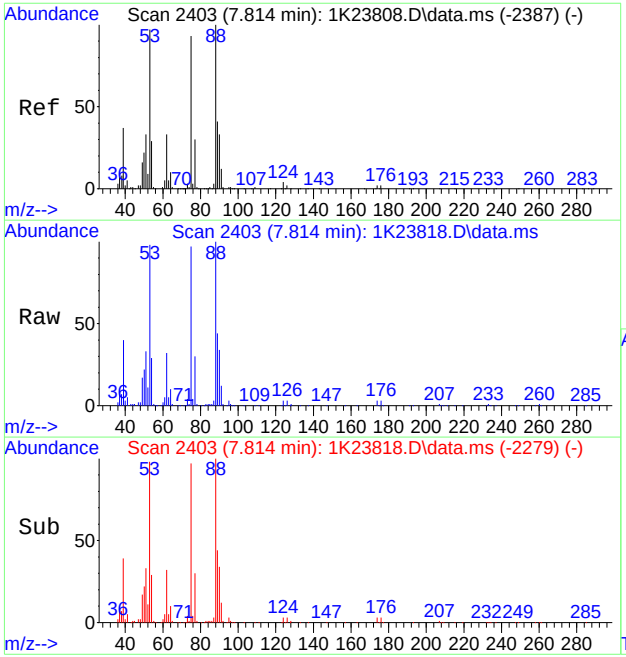


#94
n-amyl acetate
Concen: 51.31 ug/L
RT: 7.659 min Scan# 2355
Delta R.T. 0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion: 70 Resp: 303559

Ion	Ratio	Lower	Upper
70	100		
43	280.7	293.9	333.9#
61	62.0	48.4	88.4

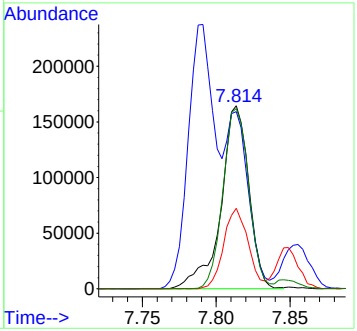


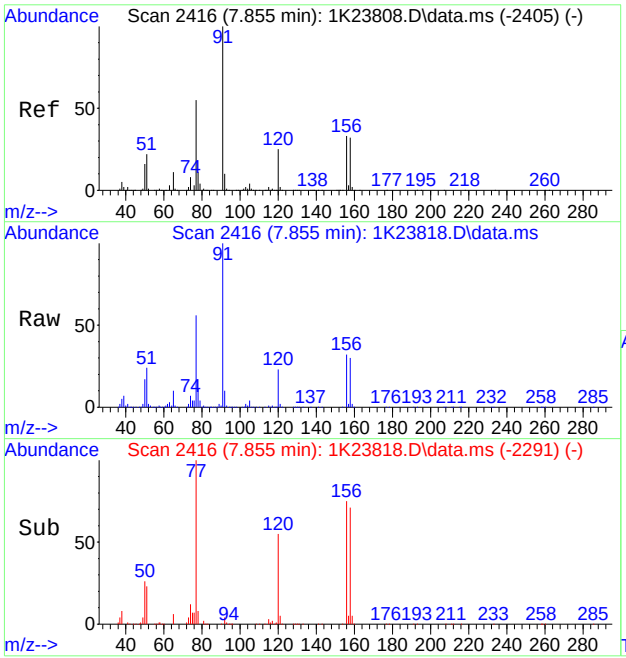


#95
cis-1,4-dichloro-2-butene
Concen: 52.09 ug/L
RT: 7.814 min Scan# 2403
Delta R.T. -0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion: 88 Resp: 216494

Ion	Ratio	Lower	Upper
88	100		
75	96.6	72.9	112.9
89	43.9	20.6	60.6
53	98.4	76.9	116.9

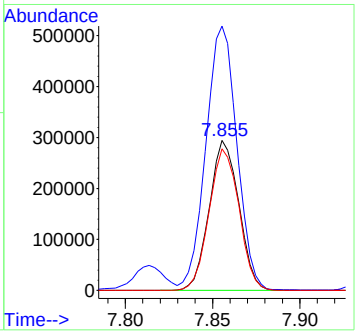


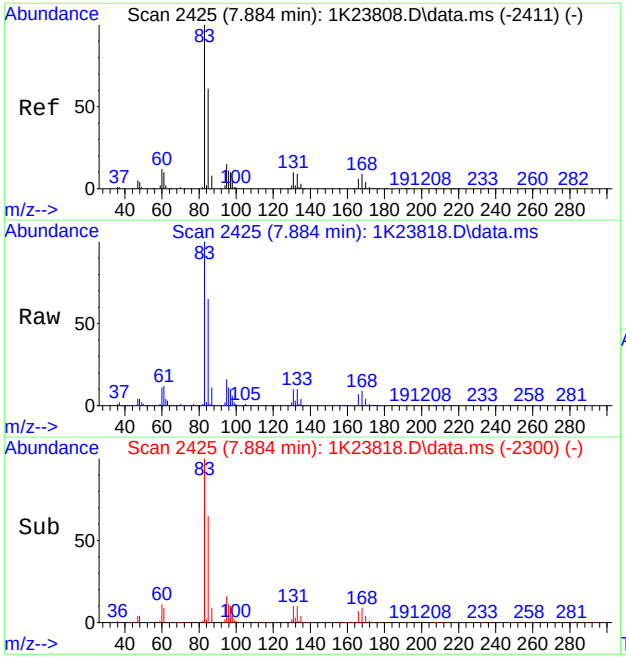


#98
bromobenzene
Concen: 50.01 ug/L
RT: 7.855 min Scan# 2416
Delta R.T. 0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion:156 Resp: 347771

Ion	Ratio	Lower	Upper
156	100		
77	176.0	150.1	210.1
158	94.4	66.6	126.6

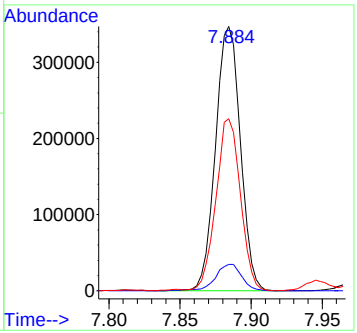


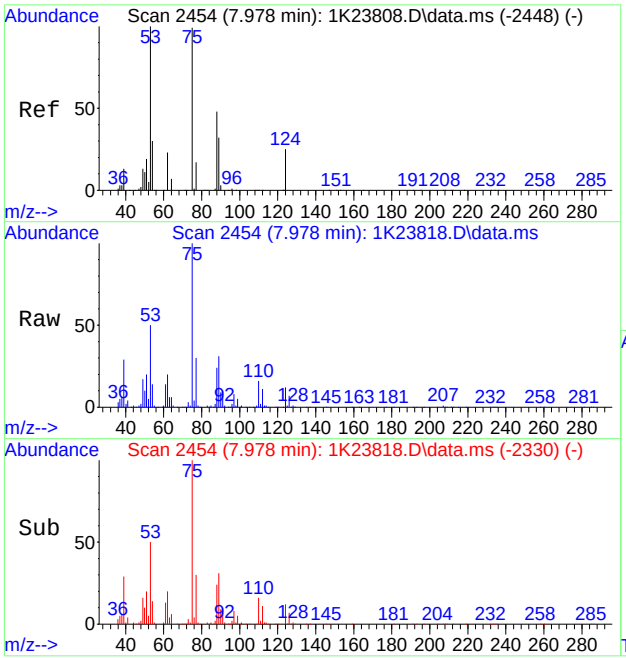


#99
1,1,2,2-tetrachloroethane
Concen: 48.84 ug/L
RT: 7.884 min Scan# 2425
Delta R.T. 0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion: 83 Resp: 423031

Ion	Ratio	Lower	Upper
83	100		
131	10.0	0.0	40.0
85	65.0	31.1	91.1

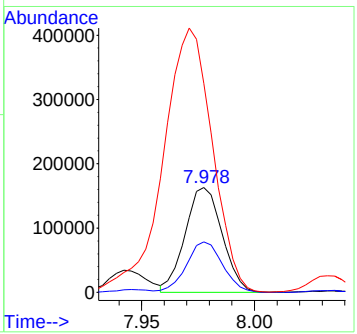


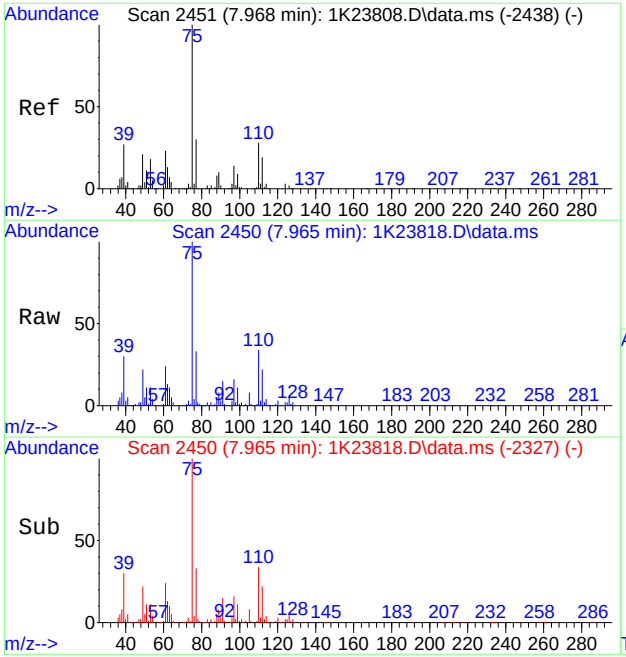


#100
trans-1,4-dichloro-2-butene
Concen: 47.93 ug/L
RT: 7.978 min Scan# 2454
Delta R.T. -0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion: 53 Resp: 186218

Ion	Ratio	Lower	Upper
53	100		
88	48.2	17.1	77.1
75	199.2	162.2	222.2

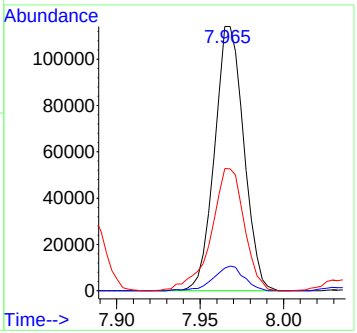


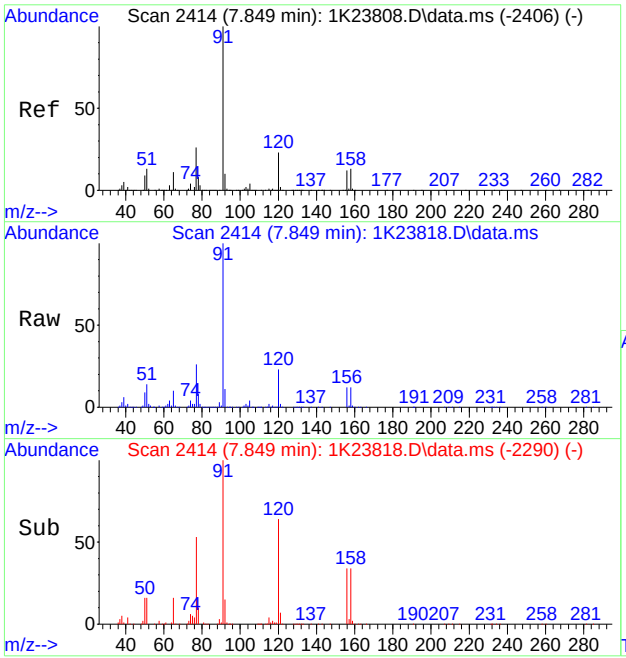


#101
1,2,3-trichloropropane
Concen: 47.91 ug/L
RT: 7.965 min Scan# 2450
Delta R.T. -0.003 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion:110 Resp: 138765

Ion	Ratio	Lower	Upper
110	100		
111	8.6	0.0	39.1
97	46.2	20.8	80.8

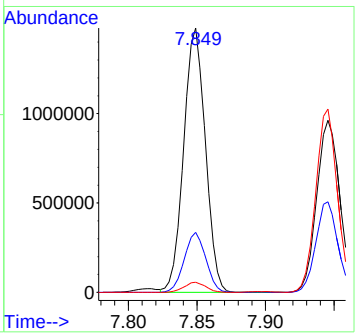


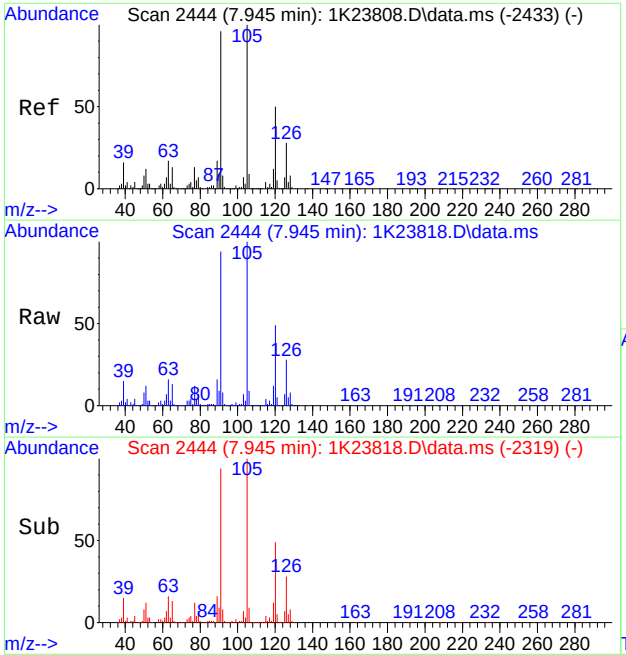


#102
n-propylbenzene
Concen: 50.43 ug/L
RT: 7.849 min Scan# 2414
Delta R.T. -0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion: 91 Resp: 1626472

Ion	Ratio	Lower	Upper
91	100		
120	22.6	0.0	52.5
105	3.9	0.0	33.5

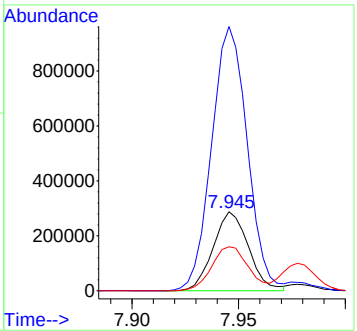


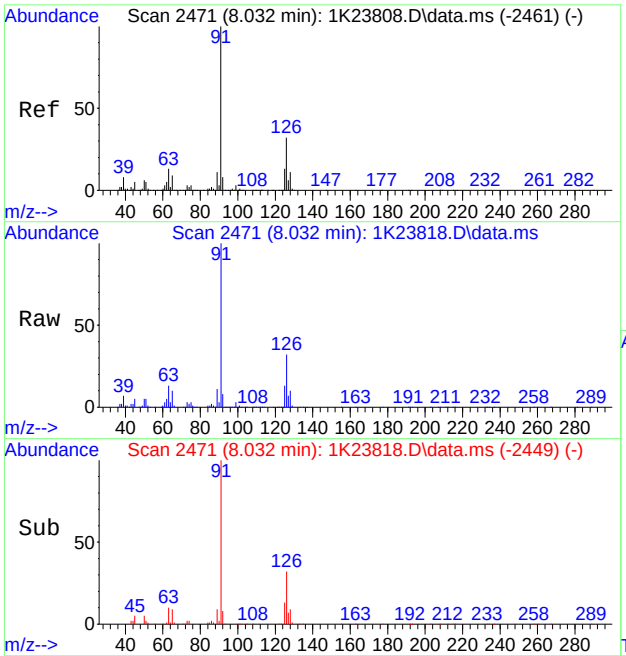


#103
2-chlorotoluene
Concen: 50.80 ug/L
RT: 7.945 min Scan# 2444
Delta R.T. 0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion:126 Resp: 333198

Ion	Ratio	Lower	Upper
126	100		
91	334.0	316.4	376.4
89	55.7	33.0	93.0

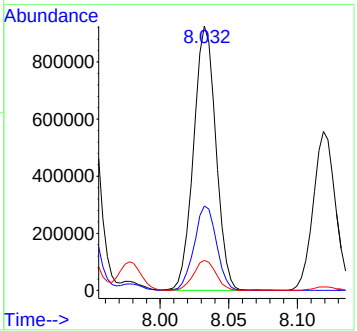


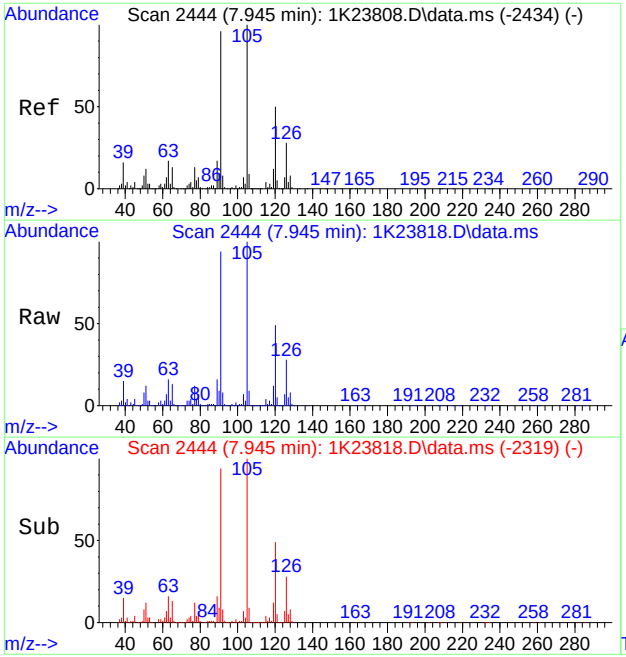


#104
4-chlorotoluene
Concen: 49.37 ug/L
RT: 8.032 min Scan# 2471
Delta R.T. 0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion: 91 Resp: 1044625

Ion	Ratio	Lower	Upper
91	100		
126	31.9	2.1	62.1
89	11.3	0.0	41.4

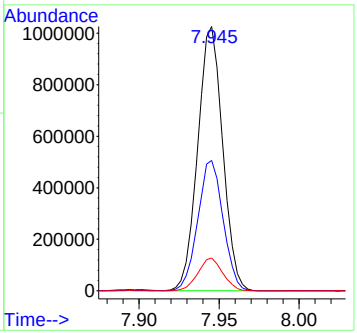


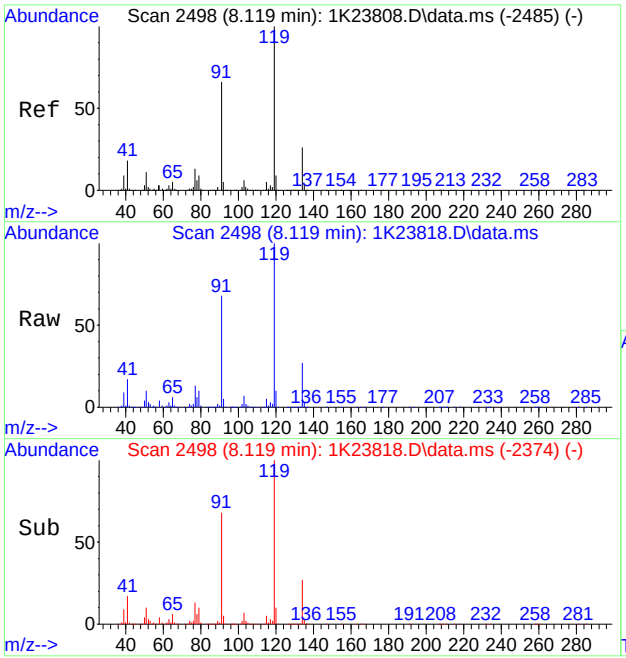


#105
1,3,5-trimethylbenzene
Concen: 50.55 ug/L
RT: 7.945 min Scan# 2444
Delta R.T. 0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion:105 Resp: 1114775

Ion	Ratio	Lower	Upper
105	100		
120	49.3	20.0	80.0
119	12.4	0.0	41.7

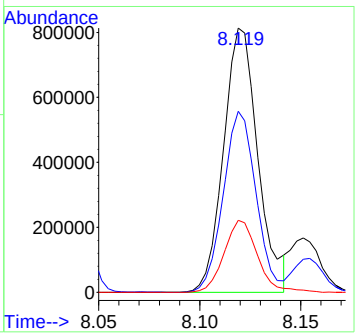


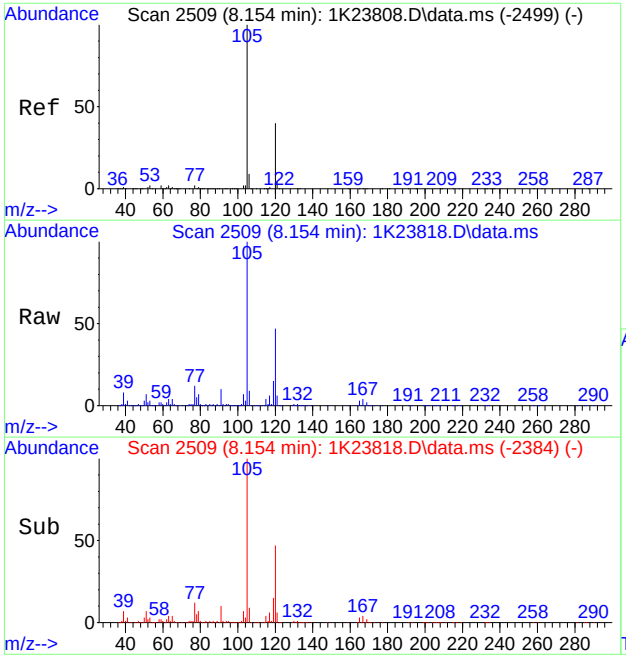


#106
tert-butylbenzene
Concen: 50.93 ug/L
RT: 8.119 min Scan# 2498
Delta R.T. 0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion:119 Resp: 964195

Ion	Ratio	Lower	Upper
119	100		
91	68.4	36.3	96.3
134	27.2	0.0	56.2

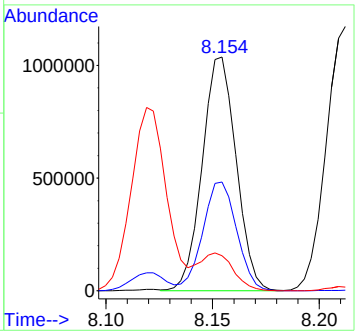


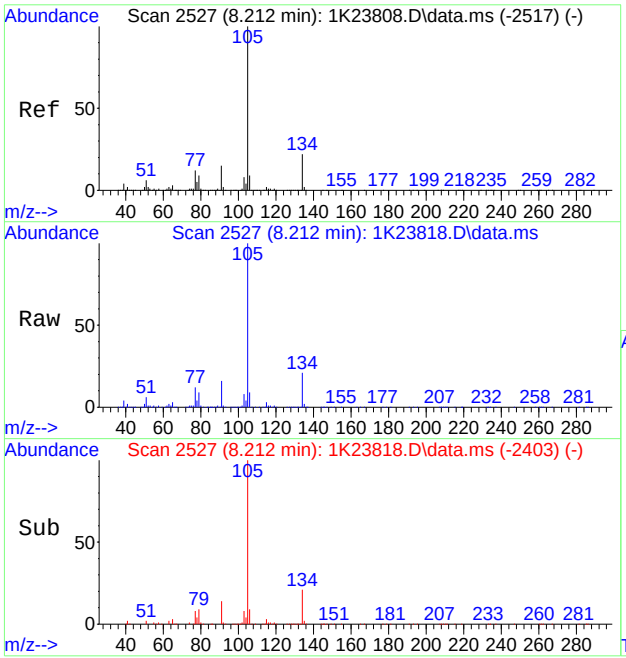


#107
1,2,4-trimethylbenzene
Concen: 50.32 ug/L
RT: 8.154 min Scan# 2509
Delta R.T. 0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion:105 Resp: 1150750

Ion	Ratio	Lower	Upper
105	100		
120	46.6	17.1	77.1
119	15.0	0.0	42.1

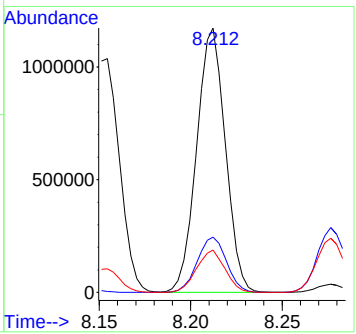


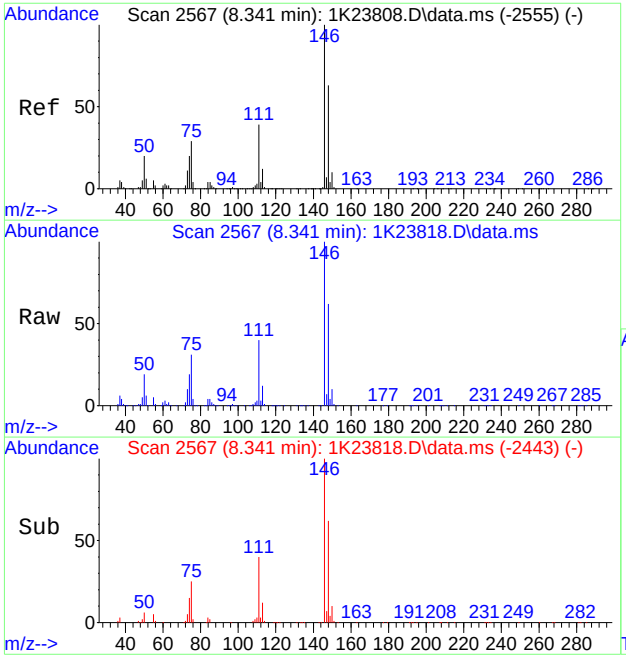


#108
sec-butylbenzene
Concen: 50.82 ug/L
RT: 8.212 min Scan# 2527
Delta R.T. 0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion:105 Resp: 1289254

Ion	Ratio	Lower	Upper
105	100		
134	20.9	0.0	51.5
91	16.0	0.0	45.0

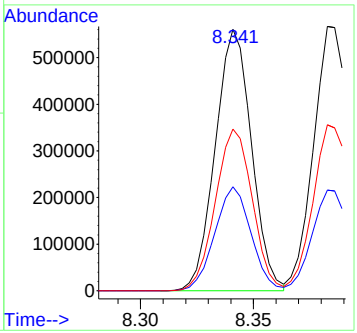


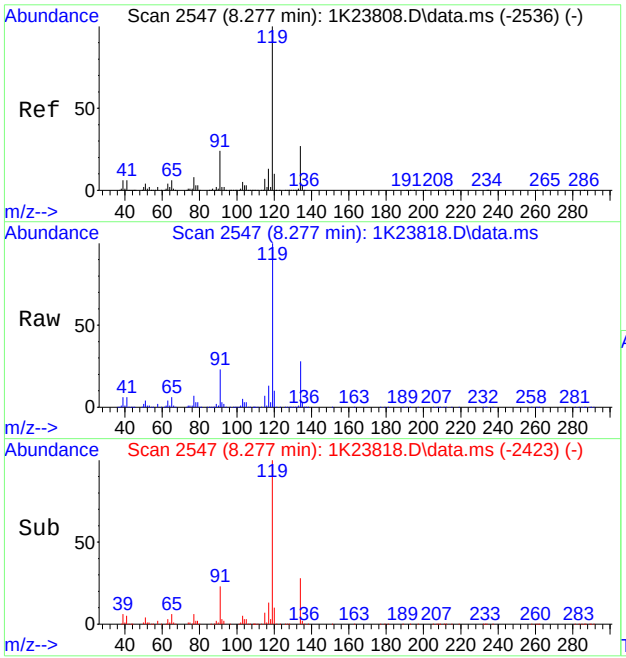


#109
1,3-dichlorobenzene
Concen: 49.13 ug/L
RT: 8.341 min Scan# 2567
Delta R.T. -0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion:146 Resp: 625087

Ion	Ratio	Lower	Upper
146	100		
111	39.8	8.9	68.9
148	61.9	32.9	92.9

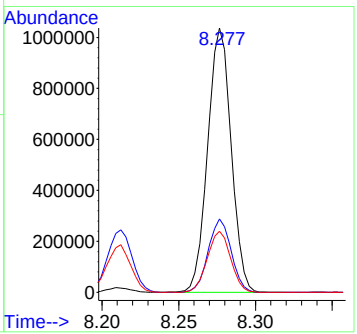


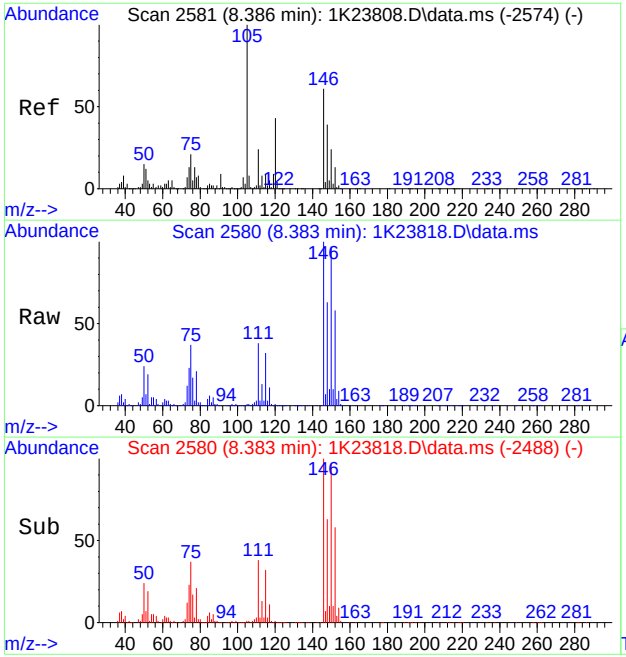


#110
p-isopropyltoluene
Concen: 50.10 ug/L
RT: 8.277 min Scan# 2547
Delta R.T. -0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion:119 Resp: 1104141

Ion	Ratio	Lower	Upper
119	100		
134	27.8	0.0	56.8
91	23.1	0.0	53.8

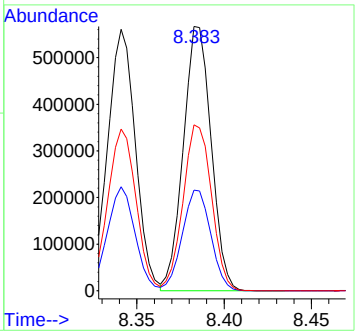


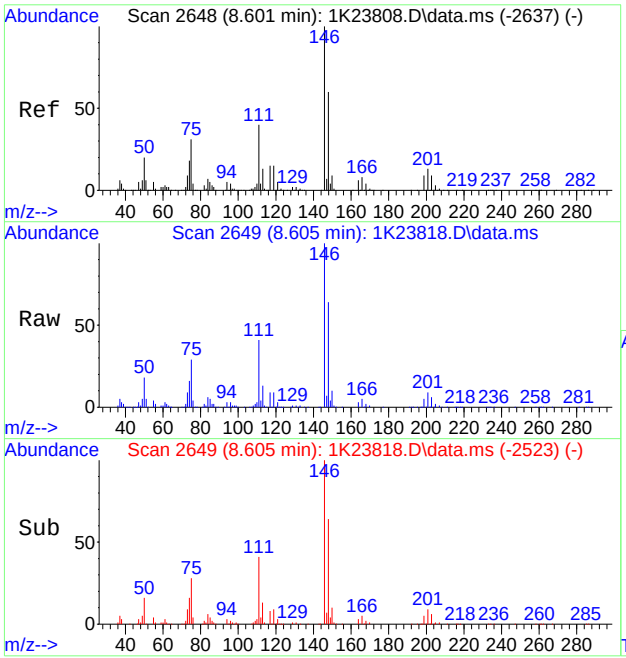


#111
1,4-dichlorobenzene
Concen: 48.00 ug/L
RT: 8.383 min Scan# 2580
Delta R.T. -0.003 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion:146 Resp: 630682

Ion	Ratio	Lower	Upper
146	100		
111	38.1	9.1	69.1
148	62.8	33.9	93.9

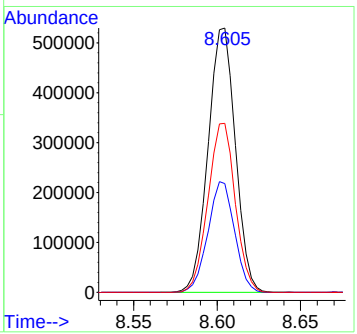


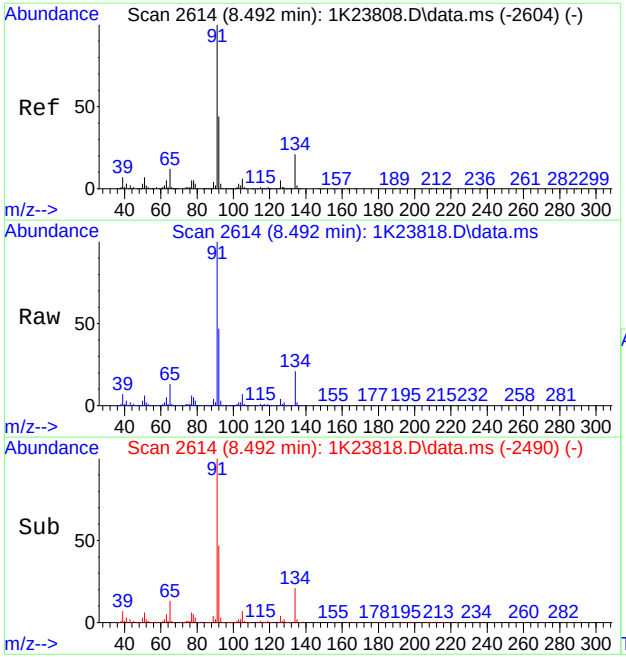


#112
1,2-dichlorobenzene
Concen: 49.56 ug/L
RT: 8.605 min Scan# 2649
Delta R.T. 0.004 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion:146 Resp: 602508

Ion	Ratio	Lower	Upper
146	100		
111	41.1	9.9	69.9
148	63.9	30.0	90.0

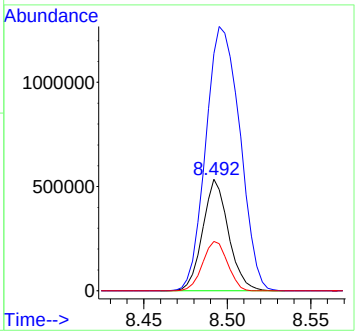


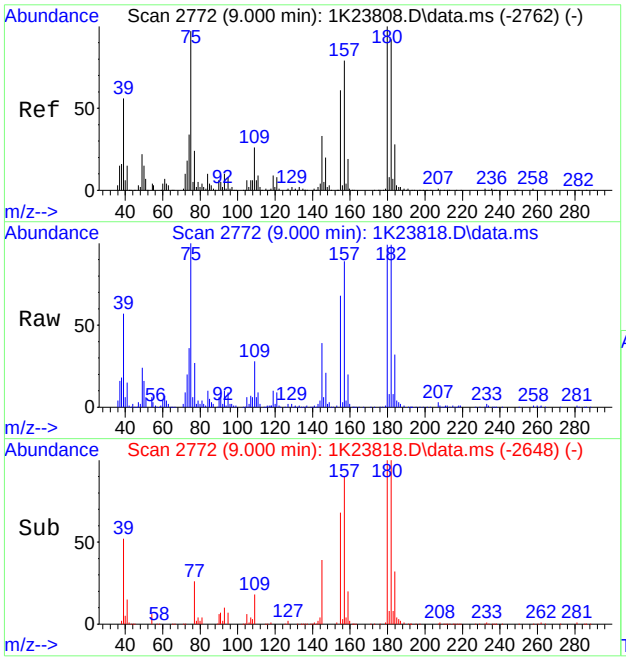


#114
n-butylbenzene
Concen: 48.88 ug/L
RT: 8.492 min Scan# 2614
Delta R.T. 0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion: 92 Resp: 573146

Ion	Ratio	Lower	Upper
92	100		
91	212.7	199.3	259.3
134	44.4	17.7	77.7

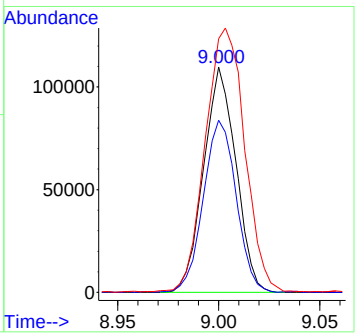


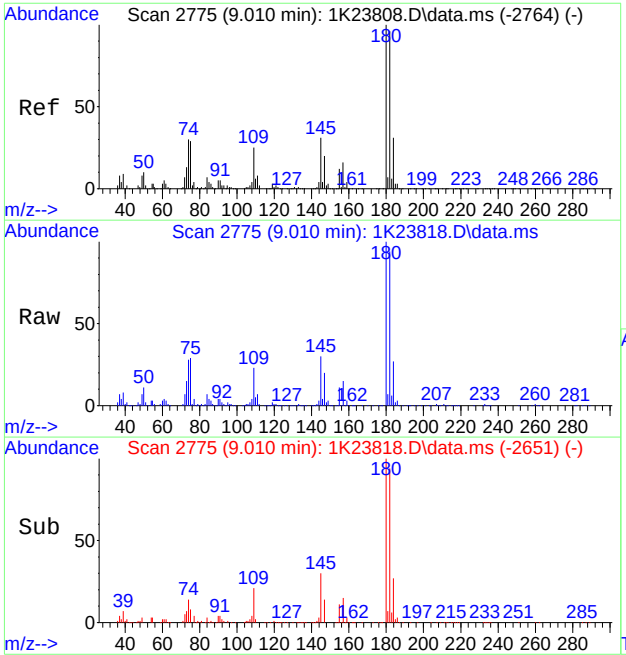


#115
1,2-dibromo-3-chloropropane
Concen: 49.72 ug/L
RT: 9.000 min Scan# 2772
Delta R.T. 0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion:157 Resp: 121812

Ion	Ratio	Lower	Upper
157	100		
155	76.0	47.8	107.8
75	112.0	92.6	152.6

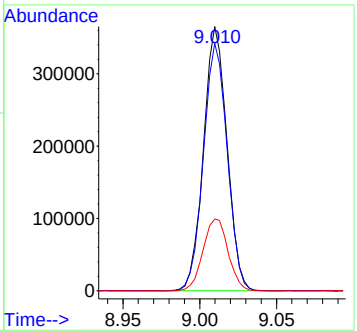


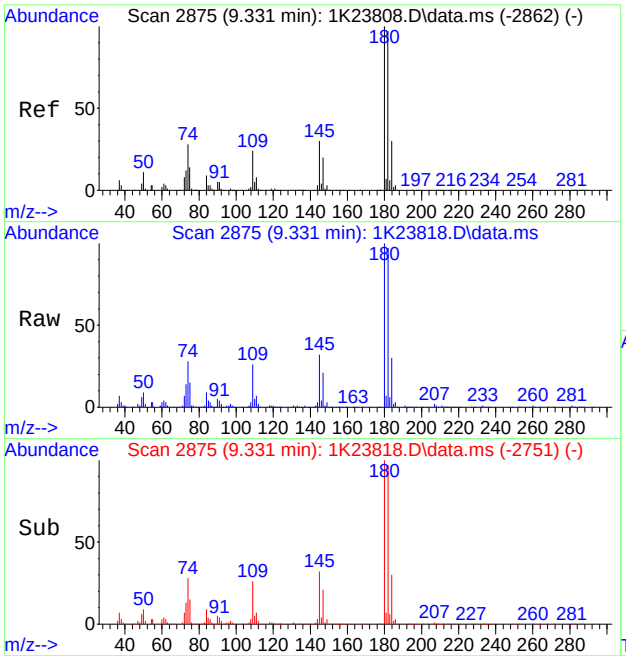


#116
1,3,5-trichlorobenzene
Concen: 54.07 ug/L
RT: 9.010 min Scan# 2775
Delta R.T. -0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion:180 Resp: 388689

Ion	Ratio	Lower	Upper
180	100		
182	93.6	76.0	116.0
184	27.2	11.0	51.0

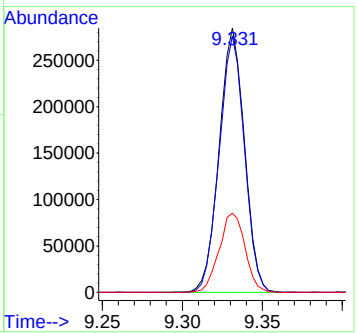


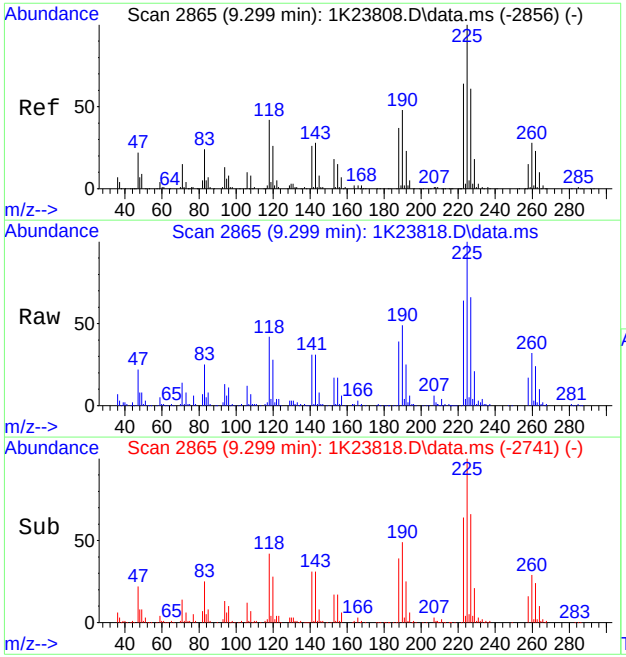


#117
1,2,4-trichlorobenzene
Concen: 48.87 ug/L
RT: 9.331 min Scan# 2875
Delta R.T. 0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion:180 Resp: 313257

Ion	Ratio	Lower	Upper
180	100		
182	97.0	67.0	127.0
184	30.0	0.2	60.2

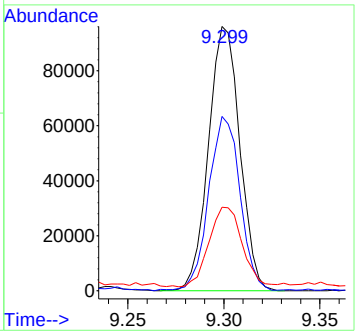


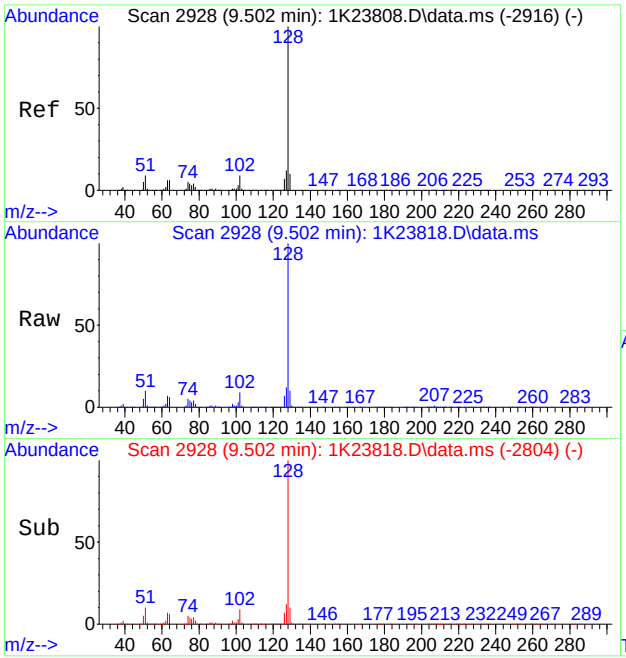


#118
hexachlorobutadiene
Concen: 48.54 ug/L
RT: 9.299 min Scan# 2865
Delta R.T. 0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion:225 Resp: 109344

Ion	Ratio	Lower	Upper
225	100		
227	65.7	31.7	91.7
260	29.8	0.0	58.9

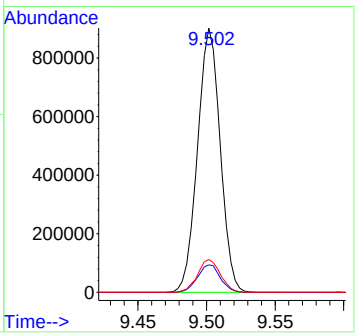


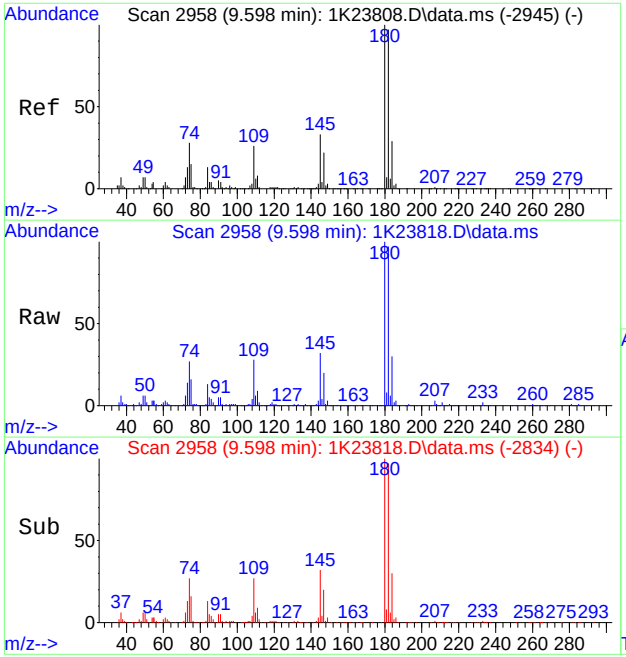


#119
naphthalene
Concen: 49.31 ug/L
RT: 9.502 min Scan# 2928
Delta R.T. -0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion:128 Resp: 1035445

Ion	Ratio	Lower	Upper
128	100		
129	10.5	0.0	40.4
127	12.4	0.0	42.3

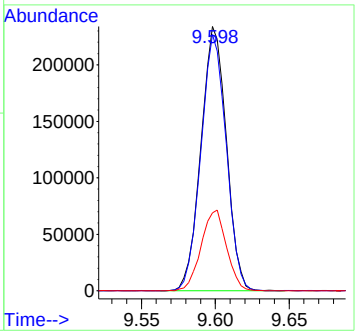


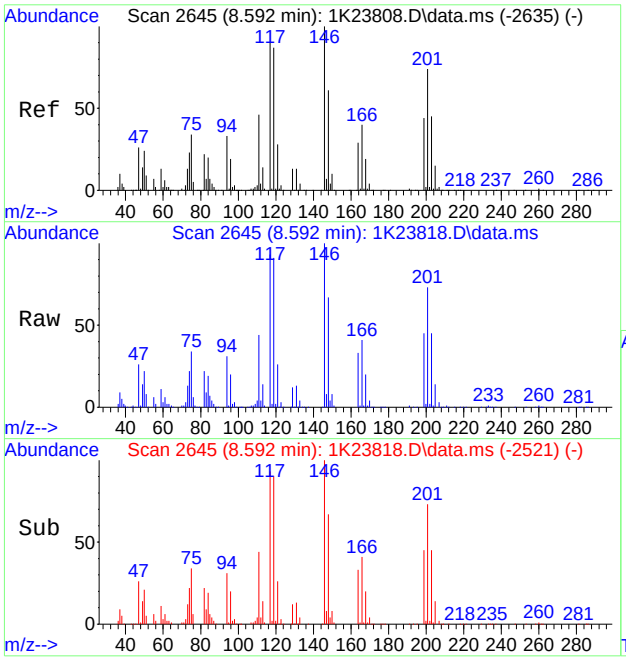


#120
1,2,3-trichlorobenzene
Concen: 49.28 ug/L
RT: 9.598 min Scan# 2958
Delta R.T. 0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion:180 Resp: 279055

Ion	Ratio	Lower	Upper
180	100		
182	96.9	66.8	126.8
184	29.5	0.0	59.3

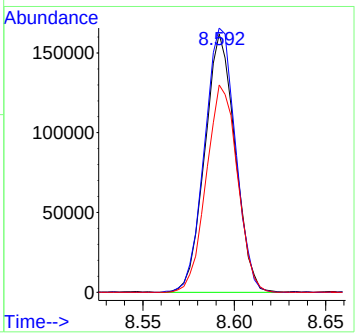


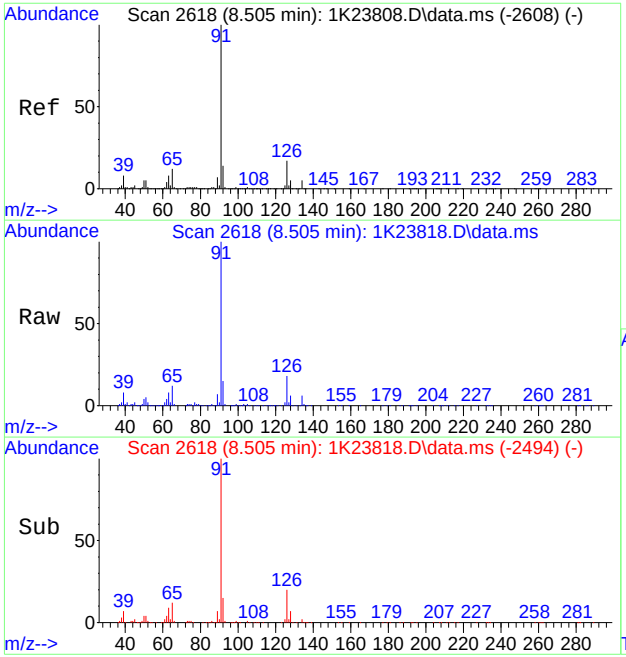


#121
hexachloroethane
Concen: 47.25 ug/L
RT: 8.592 min Scan# 2645
Delta R.T. -0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion:119 Resp: 187792

Ion	Ratio	Lower	Upper
119	100		
117	102.3	74.2	134.2
201	80.2	55.5	115.5

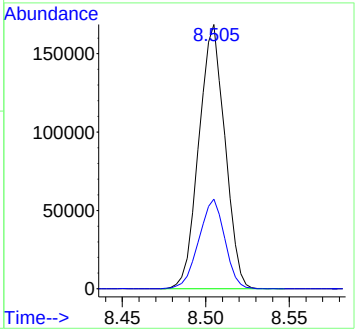


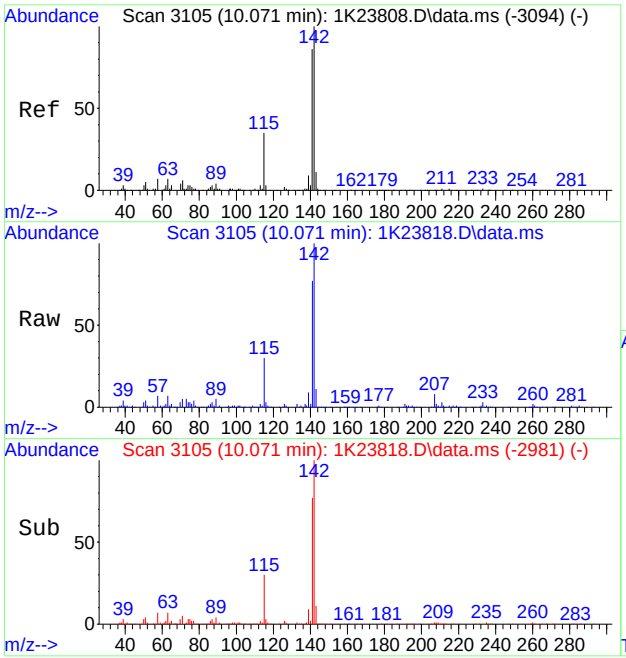


#122
benzyl chloride
Concen: 47.76 ug/L
RT: 8.505 min Scan# 2618
Delta R.T. -0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion:126 Resp: 183227

Ion	Ratio	Lower	Upper
126	100		
128	34.0	0.0	59.1

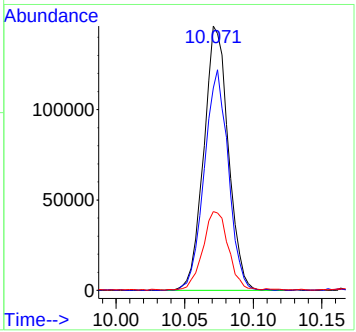




#123
2-methylnaphthalene
Concen: 23.72 ug/L
RT: 10.071 min Scan# 3105
Delta R.T. -0.000 min
Lab File: 1K23818.D
Acq: 6 Sep 2025 3:56 am

Tgt Ion:142 Resp: 182144

Ion	Ratio	Lower	Upper
142	100		
141	76.6	56.3	116.3
115	29.7	4.7	64.7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 1K23820.D
Acq On : 6 Sep 2025 4:30 am
Operator : PrashanS
Sample : ICV658-50
Misc : MS95614,V1K658,5,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 08 11:58:46 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 11:46:54 2025
Response via : Initial Calibration

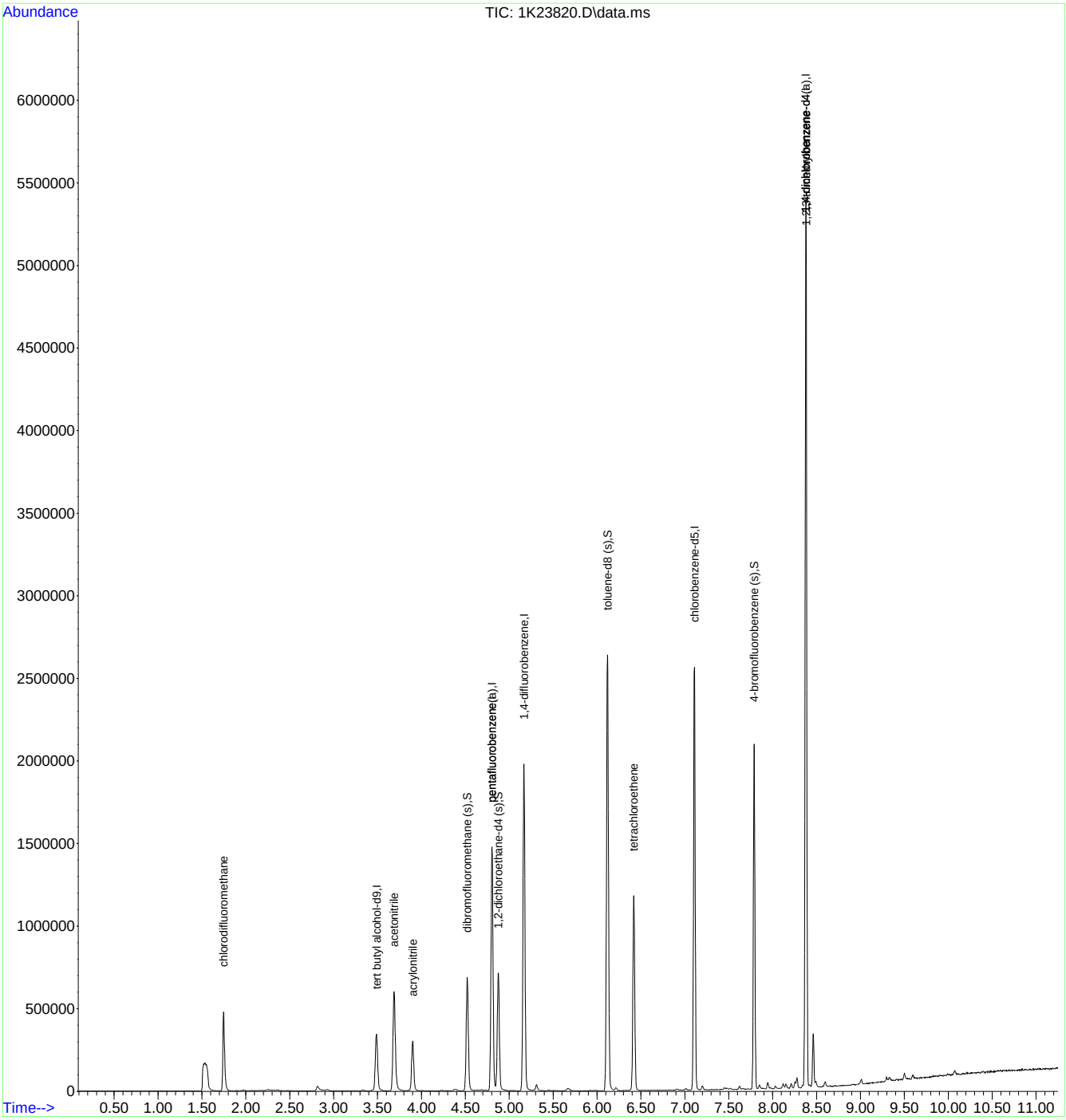
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	3.489	65	348763	500.00	ug/L	0.00
5) pentafluorobenzene	4.804	168	848624	50.00	ug/L	0.00
50) 1,4-difluorobenzene	5.167	114	1305293	50.00	ug/L	0.00
72) chlorobenzene-d5	7.109	117	1071233	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	8.376	152	498081	50.00	ug/L	0.00
124) pentafluorobenzene(a)	4.804	168	848624	50.00	ug/L	0.00
128) 1,4-dichlorobenzene-d4(a)	8.376	152	498081	50.00	ug/L	0.00
System Monitoring Compounds						
42) dibromofluoromethane (s)	4.521	113	351068	48.59	ug/L	0.00
Spiked Amount 50.000	Range 75 - 127		Recovery = 97.18%			
51) 1,2-dichloroethane-d4 (s)	4.875	65	417946	45.85	ug/L	0.00
Spiked Amount 50.000	Range 75 - 130		Recovery = 91.70%			
73) toluene-d8 (s)	6.119	98	1505361	50.23	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.46%			
97) 4-bromofluorobenzene (s)	7.788	95	528965	49.99	ug/L	0.00
Spiked Amount 50.000	Range 79 - 127		Recovery = 99.98%			
Target Compounds						Qvalue
6) chlorodifluoromethane	1.746	51	493568	41.1706	ug/L	98
19) acetonitrile	3.688	41	631359	579.7196	ug/L	99
32) acrylonitrile	3.901	52	174794	53.8466	ug/L	97
78) tetrachloroethene	6.418	166	301807	48.4078	ug/L	98
113) 1,2,3-trimethylbenzene	8.383	105	1231802	55.6848	ug/L	99

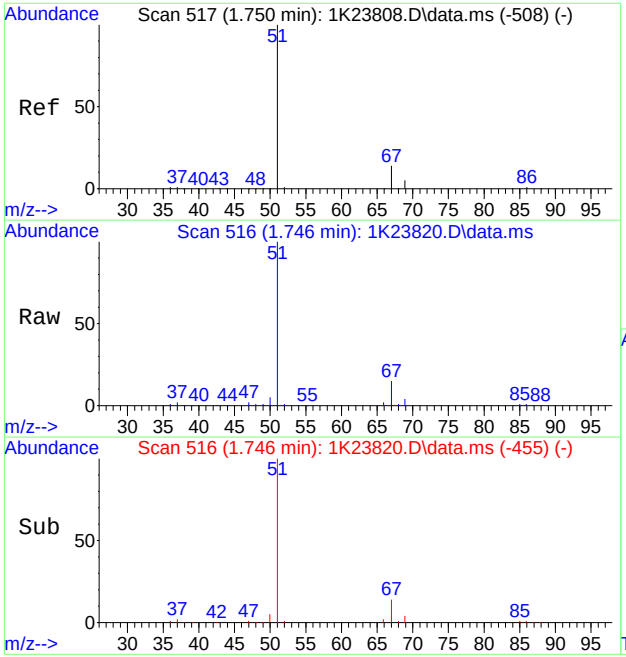
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VK658\
Data File : 1K23820.D
Acq On : 6 Sep 2025 4:30 am
Operator : PrashanS
Sample : ICV658-50
Misc : MS95614,V1K658,5,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 08 11:58:46 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 11:46:54 2025
Response via : Initial Calibration

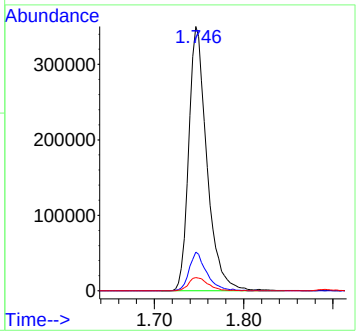


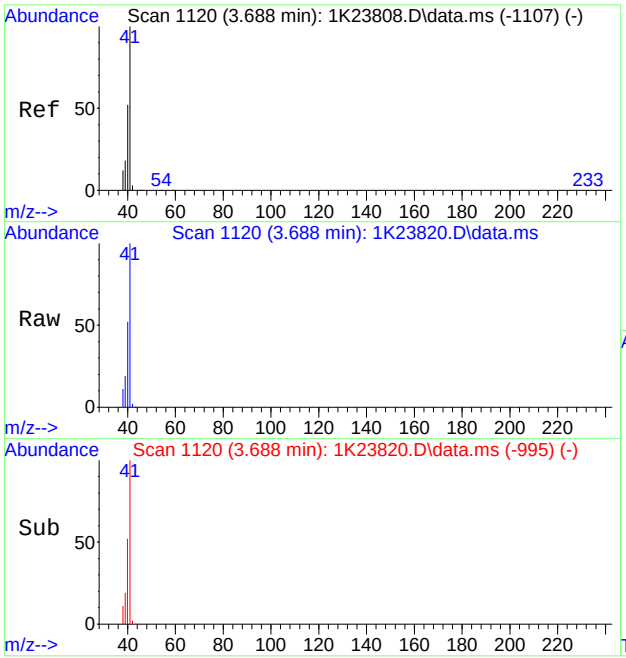


#6
chlorodifluoromethane
Concen: 41.17 ug/L
RT: 1.746 min Scan# 516
Delta R.T. -0.004 min
Lab File: 1K23820.D
Acq: 6 Sep 2025 4:30 am

Tgt Ion: 51 Resp: 493568

Ion	Ratio	Lower	Upper
51	100		
67	14.6	0.0	44.3
50	5.0	0.0	36.5

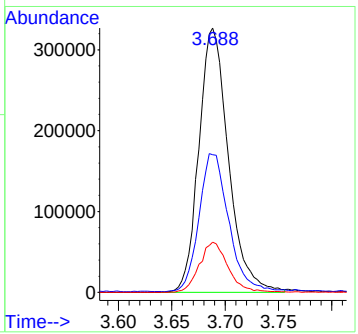


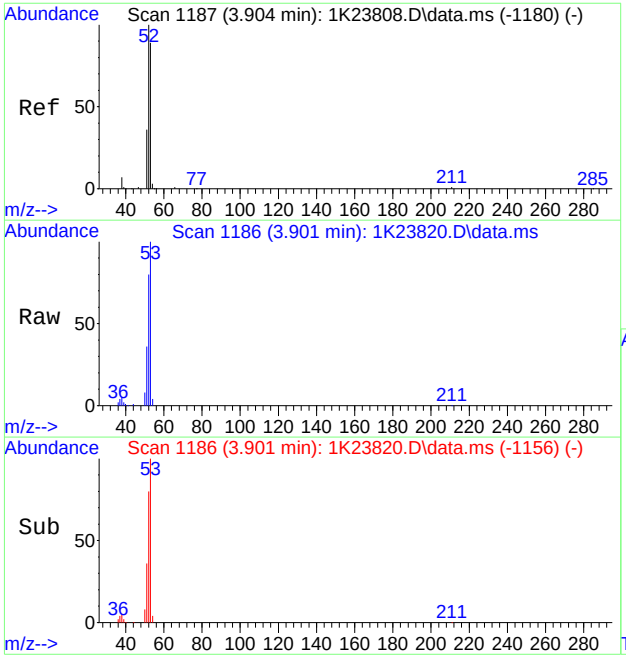


#19
acetonitrile
Concen: 579.72 ug/L
RT: 3.688 min Scan# 1120
Delta R.T. 0.000 min
Lab File: 1K23820.D
Acq: 6 Sep 2025 4:30 am

Tgt Ion: 41 Resp: 631359

Ion	Ratio	Lower	Upper
41	100		
40	51.7	21.7	81.7
39	19.0	0.0	47.9

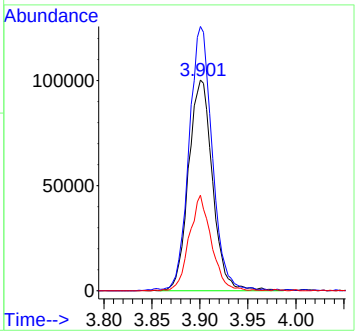


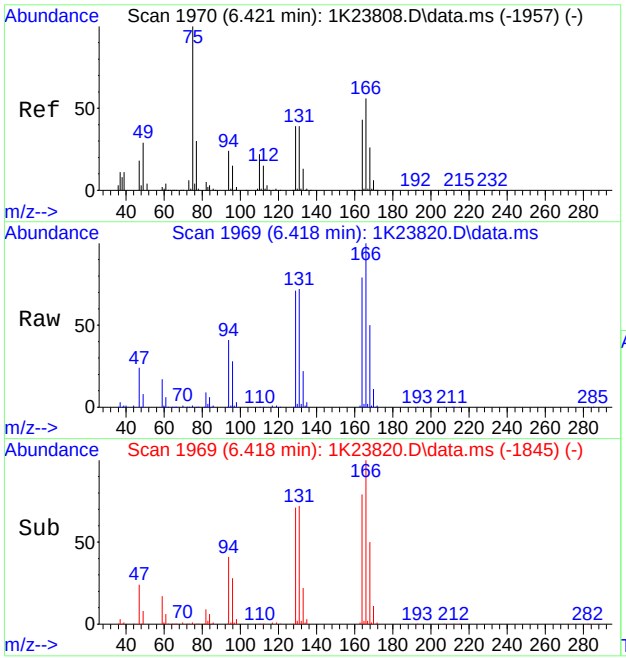


#32
acrylonitrile
Concen: 53.85 ug/L
RT: 3.901 min Scan# 1186
Delta R.T. -0.003 min
Lab File: 1K23820.D
Acq: 6 Sep 2025 4:30 am

Tgt Ion: 52 Resp: 174794

Ion	Ratio	Lower	Upper
52	100		
53	125.1	99.5	159.5
51	45.1	13.8	73.8

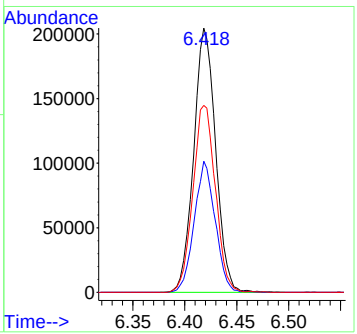


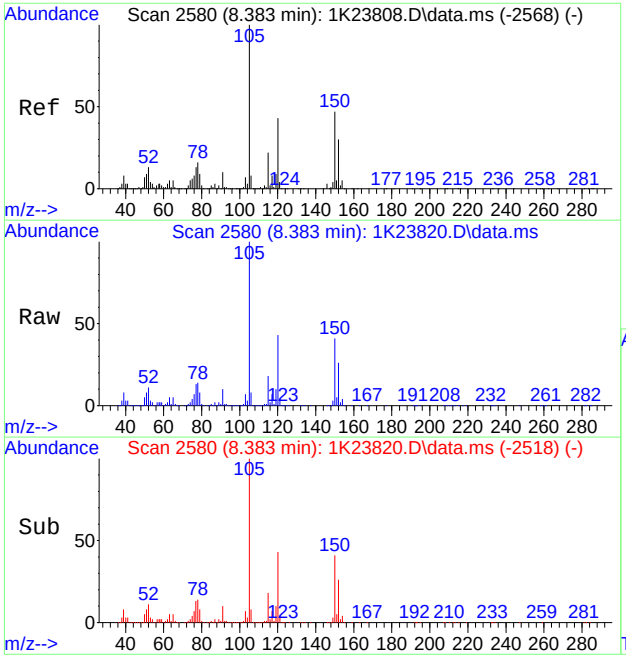


#78
tetrachloroethene
Concen: 48.41 ug/L
RT: 6.418 min Scan# 1969
Delta R.T. -0.003 min
Lab File: 1K23820.D
Acq: 6 Sep 2025 4:30 am

Tgt Ion:166 Resp: 301807

Ion	Ratio	Lower	Upper
166	100		
168	49.6	17.0	77.0
129	70.7	39.8	99.8

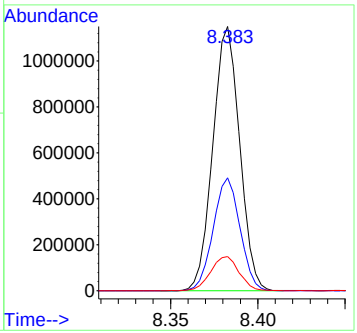




#113
1,2,3-trimethylbenzene
Concen: 55.68 ug/L
RT: 8.383 min Scan# 2580
Delta R.T. -0.000 min
Lab File: 1K23820.D
Acq: 6 Sep 2025 4:30 am

Tgt Ion:105 Resp: 1231802

Ion	Ratio	Lower	Upper
105	100		
120	42.8	12.7	72.7
77	12.9	0.0	43.6



7.6.12

7

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\diegop\October\20251020\V1K694\
Data File : 1K25207.d
Acq On : 17 Oct 2025 10:46 pm
Operator : EDWARDD
Sample : cc658-50 Inst : GCMSK
Misc : MS97898,V1K694,5,,,,1
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Oct 20 16:08:48 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 11:46:54 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	3.483	65	422995	500.00	ug/L	0.00
5) pentafluorobenzene	4.798	168	809679	50.00	ug/L	0.00
50) 1,4-difluorobenzene	5.161	114	1264002	50.00	ug/L	-0.01
72) chlorobenzene-d5	7.106	117	1017370	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	8.373	152	504101	50.00	ug/L	0.00
124) pentafluorobenzene(a)	4.798	168	809679	50.00	ug/L	0.00
128) 1,4-dichlorobenzene-d4(a)	8.373	152	504101	50.00	ug/L	0.00
System Monitoring Compounds						
42) dibromofluoromethane (s)	4.515	113	319484	46.34	ug/L	0.00
Spiked Amount 50.000	Range 75 - 127		Recovery = 92.68%			
51) 1,2-dichloroethane-d4 (s)	4.868	65	405438	45.93	ug/L	0.00
Spiked Amount 50.000	Range 75 - 130		Recovery = 91.86%			
73) toluene-d8 (s)	6.116	98	1372445	48.22	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 96.44%			
97) 4-bromofluorobenzene (s)	7.785	95	471372	44.02	ug/L	0.00
Spiked Amount 50.000	Range 79 - 127		Recovery = 88.04%			
Target Compounds						Qvalue
2) ethanol	2.814	45	506963	8762.6954	ug/L	96
3) tertiary butyl alcohol	3.534	59	245201	232.6989	ug/L	84
4) 1,4-dioxane	5.663	88	82774	1984.6129	ug/L	82
6) chlorodifluoromethane	1.743	51	397655	34.7656	ug/L	98
7) dichlorodifluoromethane	1.708	85	344725	41.5015	ug/L	96
8) chloromethane	1.888	50	440622	46.3236	ug/L	98
9) vinyl chloride	1.958	62	397332	50.1847	ug/L	98
10) 1,3-butadiene	1.971	39	333577	41.3909	ug/L	99
11) bromomethane	2.241	96	94719	40.0754	ug/L #	93
12) chloroethane	2.351	64	170427	38.0179	ug/L	98
13) trichlorofluoromethane	2.470	101	449373	40.5688	ug/L	97
14) ethyl ether	2.711	74	159076	43.3414	ug/L	91
16) freon 113	2.913	151	208442	44.7473	ug/L	98
17) 1,1-dichloroethene	2.888	61	427628	41.2904	ug/L	99
18) acetone	3.341	58	149904	190.0639	ug/L	98
19) acetonitrile	3.679	41	639533	615.4702	ug/L	99
20) iodomethane	3.013	142	159760	26.7178	ug/L	99
21) carbon disulfide	2.930	76	711255	41.7159	ug/L	97
22) methylene chloride	3.325	84	253155	43.7875	ug/L	97
23) methyl acetate	3.425	74	58271	43.3629	ug/L	99
24) methyl tert butyl ether	3.495	73	826514	42.9144	ug/L	93
25) trans-1,2-dichloroethene	3.438	96	265314	43.4466	ug/L	96
26) hexane	3.489	57	647173	42.1445	ug/L	97
27) di-isopropyl ether	3.749	45	1111809	43.0217	ug/L	99
28) ethyl tert-butyl ether	4.000	59	988049	43.0555	ug/L	98
29) 2-butanone	4.582	72	199591	197.0869	ug/L	95
30) 1,1-dichloroethane	3.865	63	538790	44.2604	ug/L	98
31) chloroprene	3.849	53	582143	43.4448	ug/L	99
33) vinyl acetate	4.010	86	72504	48.6595	ug/L	99
34) ethyl acetate	4.444	70	37160	41.7939	ug/L	88
35) 2,2-dichloropropane	4.299	77	444159	44.1724	ug/L	96
36) cis-1,2-dichloroethene	4.225	96	276609	44.4840	ug/L	98
37) propionitrile	4.785	54	696972	518.3160	ug/L	94
38) methyl acrylate	4.463	85	58408	47.8498	ug/L #	93
39) bromochloromethane	4.360	128	133075	47.2481	ug/L	93
40) tetrahydrofuran	4.505	71	45267	42.2890	ug/L	97
41) chloroform	4.396	83	491906	42.1882	ug/L	99
43) methacrylonitrile	4.801	67	148647	41.3140	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\diegop\October\20251020\V1K694\
Data File : 1K25207.d
Acq On : 17 Oct 2025 10:46 pm
Operator : EDWARDD
Sample : cc658-50 Inst : GCMSK
Misc : MS97898,V1K694,5,,,,1
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Oct 20 16:08:48 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 11:46:54 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 1,1,1-trichloroethane	4.550	97	432745	43.3680	ug/L		99
45) cyclohexane	4.370	84	440917	50.2425	ug/L		95
46) 1,1-dichloropropene	4.624	75	389378	44.4180	ug/L		95
47) carbon tetrachloride	4.505	117	404926	43.6979	ug/L		99
49) tert-amyl alcohol	4.933	55	88829	290.1725	ug/L		97
52) iso-octane	4.682	57	931973	39.3272	ug/L		96
53) benzene	4.788	78	1088076	44.8766	ug/L		98
54) tert-amyl methyl ether	4.830	73	854363	42.9710	ug/L		100
55) heptane	4.730	57	161526	44.7781	ug/L		95
56) isopropyl acetate	5.023	87	80367	44.6400	ug/L		99
57) 1,2-dichloroethane	4.913	62	403700	41.2662	ug/L		96
58) n-butyl alcohol	5.302	56	697018	4084.3385	ug/L		98
59) ethyl acrylate	5.466	55	522739	43.2418	ug/L		99
60) trichloroethene	5.155	130	302799	49.7634	ug/L		98
61) 2-nitropropane	6.302	41	125063	42.8564	ug/L		93
62) 2-chloroethyl vinyl ether	5.913	63	820957	189.8574	ug/L		100
63) methyl methacrylate	5.608	100	95398	45.0319	ug/L		93
64) 1,2-dichloropropane	5.505	63	301926	44.8024	ug/L		98
65) methylcyclohexane	5.161	98	194131	44.0748	ug/L		96
66) dibromomethane	5.437	93	160979	44.1980	ug/L		96
67) bromodichloromethane	5.534	83	362781	44.0959	ug/L		94
68) epichlorohydrin	6.148	57	247299	249.4894	ug/L		96
69) cis-1,3-dichloropropene	5.981	75	455231	45.2531	ug/L		97
70) 4-methyl-2-pentanone	6.376	58	657413	170.1412	ug/L		93
71) 3-methyl-1-butanol	6.209	70	227800	1302.6442	ug/L		99
74) toluene	6.151	92	695462	45.6303	ug/L		98
75) ethyl methacrylate	6.486	69	396913	44.3880	ug/L		99
76) trans-1,3-dichloropropene	6.415	75	448655	45.4349	ug/L		98
77) 1,1,2-trichloroethane	6.524	83	199533	46.2110	ug/L		93
78) tetrachloroethene	6.415	166	287713	48.5905	ug/L		98
79) 2-hexanone	6.900	58	693047	172.7567	ug/L		99
80) 1,3-dichloropropane	6.701	76	439039	45.4115	ug/L		97
81) butyl acetate	6.826	56	281259	43.2545	ug/L		97
82) dibromochloromethane	6.646	129	284364	46.7900	ug/L		98
83) 1,2-dibromoethane	6.807	107	249817	45.7423	ug/L		99
84) n-butyl ether	7.007	57	1485939	46.3515	ug/L		99
85) chlorobenzene	7.116	112	779994	49.4718	ug/L		93
86) 1,1,1,2-tetrachloroethane	7.145	131	275376	47.4525	ug/L		97
87) ethylbenzene	7.116	91	1334404	46.1165	ug/L		97
88) m,p-xylene	7.196	106	1050495	96.6952	ug/L		94
89) o-xylene	7.450	106	501350	48.2537	ug/L		94
90) styrene	7.476	104	827020	47.1159	ug/L		95
91) bromoform	7.508	173	206205	47.6011	ug/L		94
92) butyl acrylate	7.518	55	770832	45.5661	ug/L		98
93) isopropylbenzene	7.617	105	1258523	48.8195	ug/L		98
94) n-amyl acetate	7.656	70	246121	44.3028	ug/L		97
95) cis-1,4-dichloro-2-butene	7.810	88	144878	37.1220	ug/L		100
98) bromobenzene	7.852	156	313310	46.8517	ug/L		89
99) 1,1,2,2-tetrachloroethane	7.878	83	355868	42.7234	ug/L		95
100) trans-1,4-dichloro-2-b...	7.974	53	127080	34.0129	ug/L		97
101) 1,2,3-trichloropropane	7.961	110	119882	43.0361	ug/L		93
102) n-propylbenzene	7.846	91	1443600	46.5456	ug/L		99
103) 2-chlorotoluene	7.942	126	307443	48.7409	ug/L	#	84
104) 4-chlorotoluene	8.029	91	886565	43.5659	ug/L		93
105) 1,3,5-trimethylbenzene	7.939	105	988366	46.6045	ug/L		97
106) tert-butylbenzene	8.116	119	848602	46.6089	ug/L		96
107) 1,2,4-trimethylbenzene	8.148	105	1000678	45.4986	ug/L		99
108) sec-butylbenzene	8.206	105	1150021	47.1387	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\diegop\October\20251020\V1K694\
Data File : 1K25207.d
Acq On : 17 Oct 2025 10:46 pm
Operator : EDWARDD
Sample : cc658-50 Inst : GCMSK
Misc : MS97898,V1K694,5,,,,1
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Oct 20 16:08:48 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 11:46:54 2025
Response via : Initial Calibration

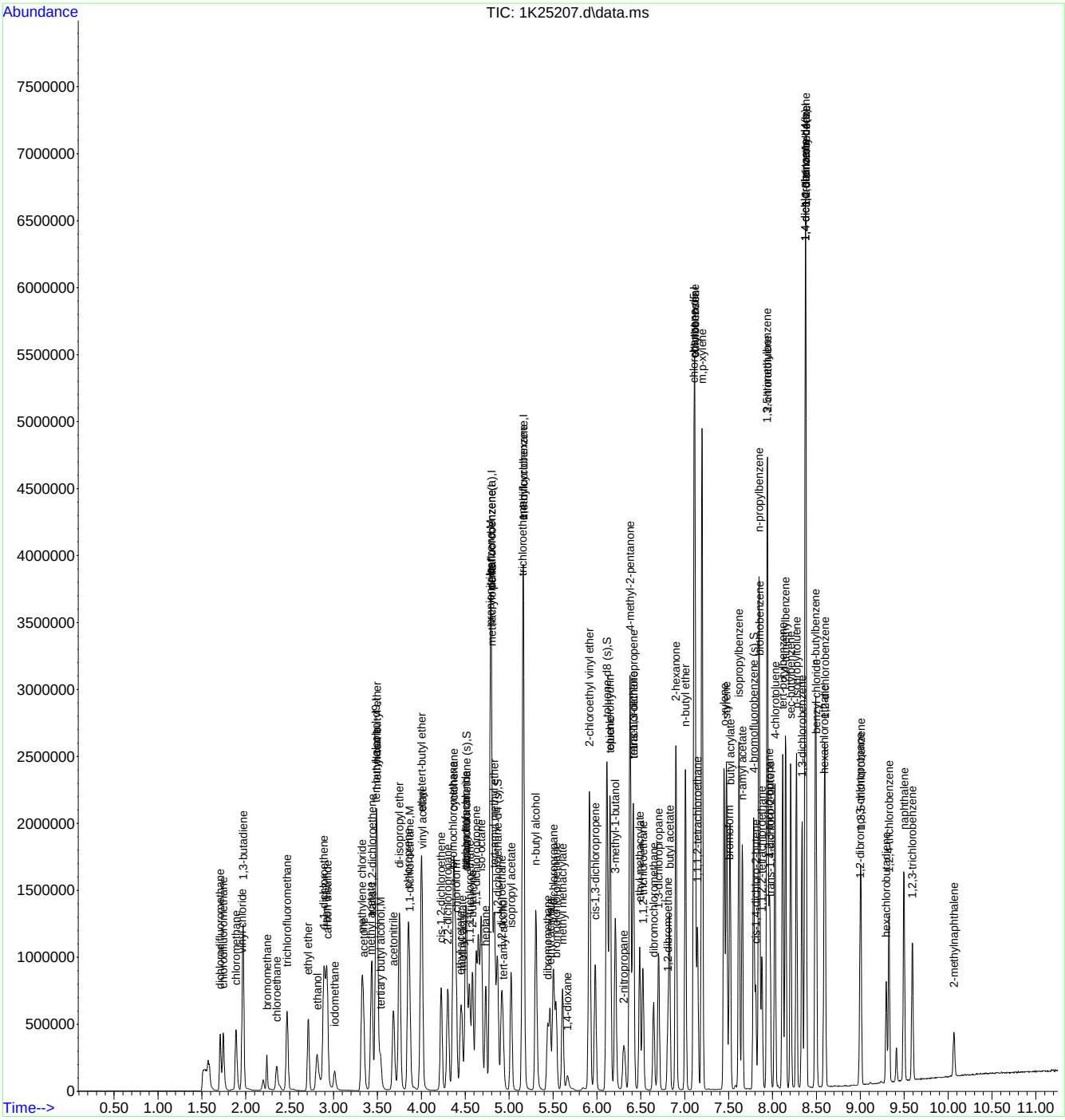
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
109) 1,3-dichlorobenzene	8.338	146	582215	47.5822	ug/L	99
110) p-isopropyltoluene	8.273	119	1010170	47.6635	ug/L	96
111) 1,4-dichlorobenzene	8.379	146	596838	47.2317	ug/L	99
112) 1,2-dichlorobenzene	8.598	146	561144	48.0004	ug/L	97
113) 1,2,3-trimethylbenzene	8.379	105	1021168	45.6116	ug/L	96
114) n-butylbenzene	8.489	92	497468	44.1156	ug/L	92
115) 1,2-dibromo-3-chloropr...	8.997	157	102761	43.6117	ug/L	96
116) 1,3,5-trichlorobenzene	9.006	180	324069	46.8748	ug/L	99
117) 1,2,4-trichlorobenzene	9.328	180	281198	45.6174	ug/L	100
118) hexachlorobutadiene	9.296	225	101234	46.7255	ug/L	94
119) naphthalene	9.498	128	902805	44.7047	ug/L	99
120) 1,2,3-trichlorobenzene	9.592	180	247474	45.4457	ug/L	95
121) hexachloroethane	8.588	119	167817	43.9059	ug/L	99
122) benzyl chloride	8.498	126	176262	47.7752	ug/L	94
123) 2-methylnaphthalene	10.068	142	135718	18.3807	ug/L	94

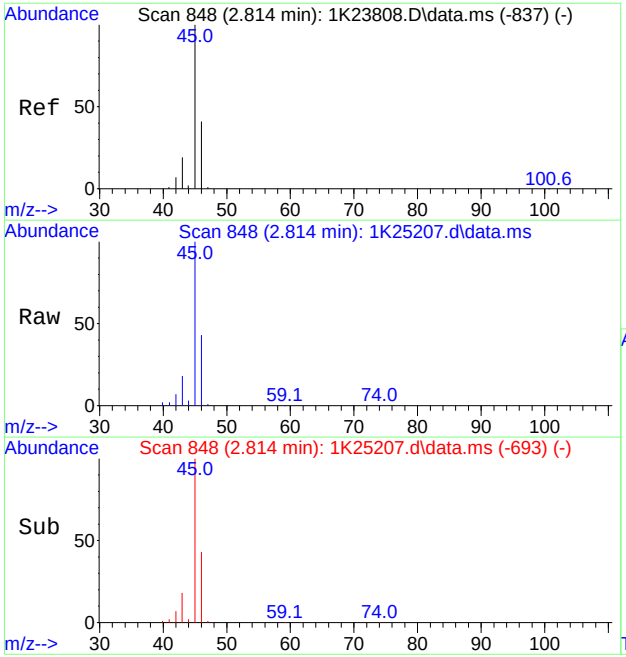
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\diegop\October\20251020\V1K694\
Data File : 1K25207.d
Acq On : 17 Oct 2025 10:46 pm
Operator : EDWARDD
Sample : cc658-50 Inst : GCMSK
Misc : MS97898,V1K694,5,,,,1
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Oct 20 16:08:48 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 11:46:54 2025
Response via : Initial Calibration

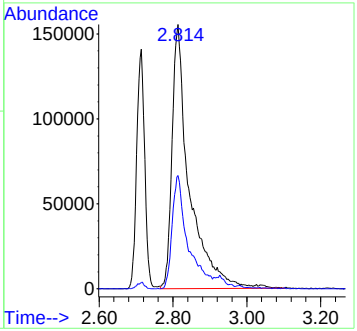


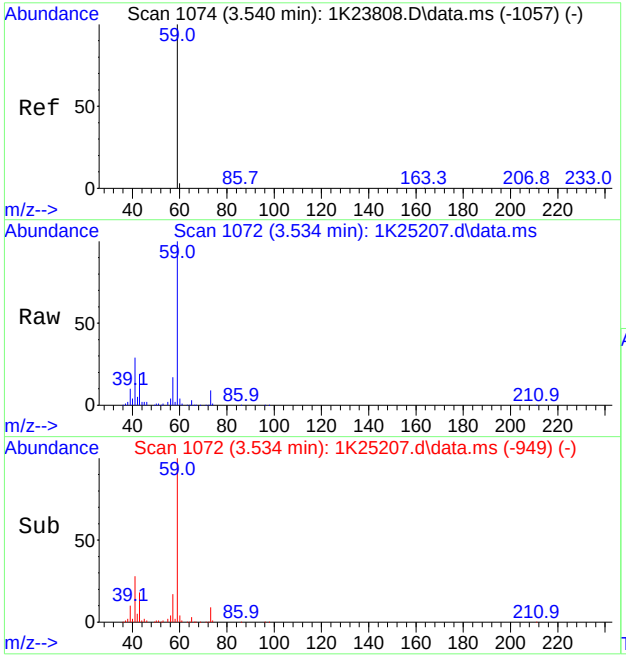


#2
ethanol
Concen: 8762.6954 ug/L
RT: 2.814 min Scan# 848
Delta R.T. -0.000 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion: 45 Resp: 506963

Ion	Ratio	Lower	Upper
45	100		
46	42.9	20.3	60.3

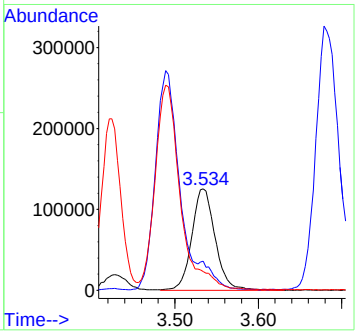


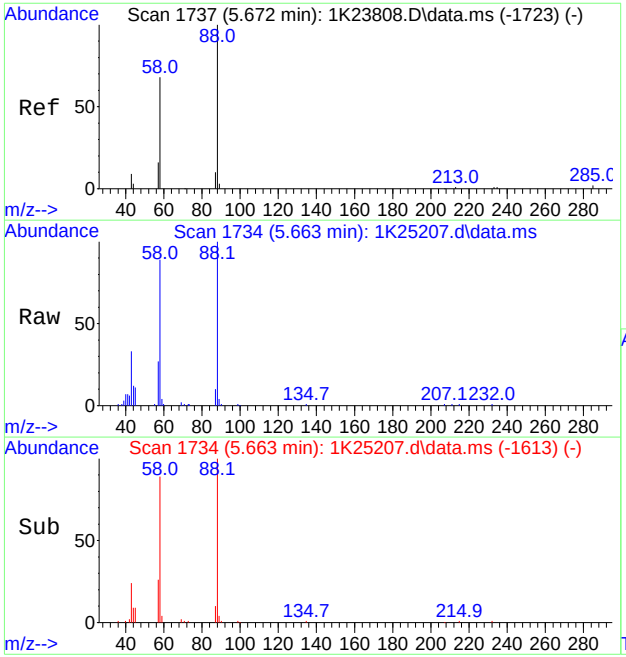


#3
tertiary butyl alcohol
Concen: 232.6989 ug/L
RT: 3.534 min Scan# 1072
Delta R.T. -0.006 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion: 59 Resp: 245201

Ion	Ratio	Lower	Upper
59	100		
41	27.7	0.0	46.0
43	17.9	0.0	51.1

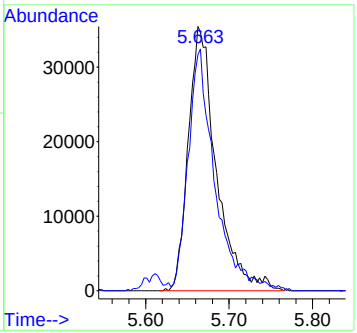


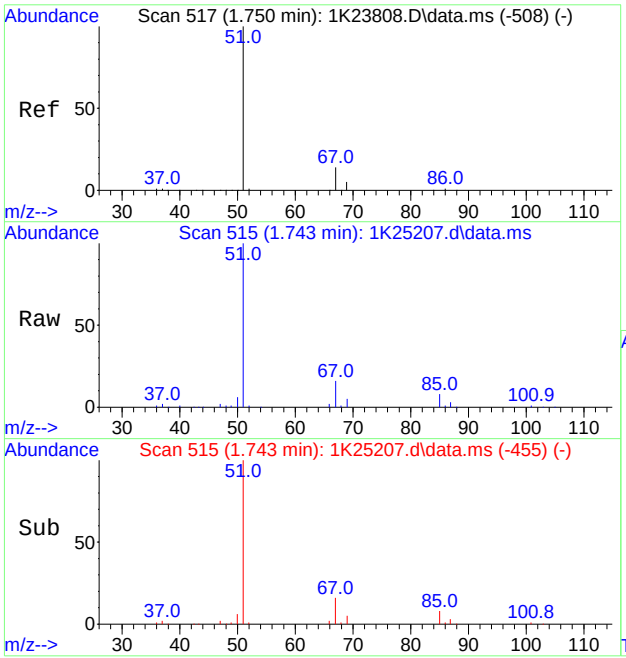


#4
1,4-dioxane
Concen: 1984.6129 ug/L
RT: 5.663 min Scan# 1734
Delta R.T. -0.009 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion: 88 Resp: 82774

Ion	Ratio	Lower	Upper
88	100		
58	88.1	53.2	93.2

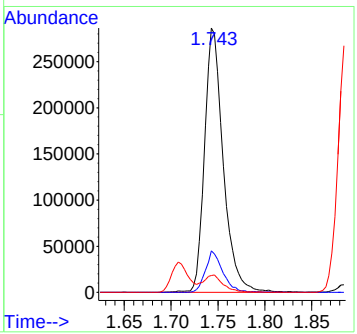


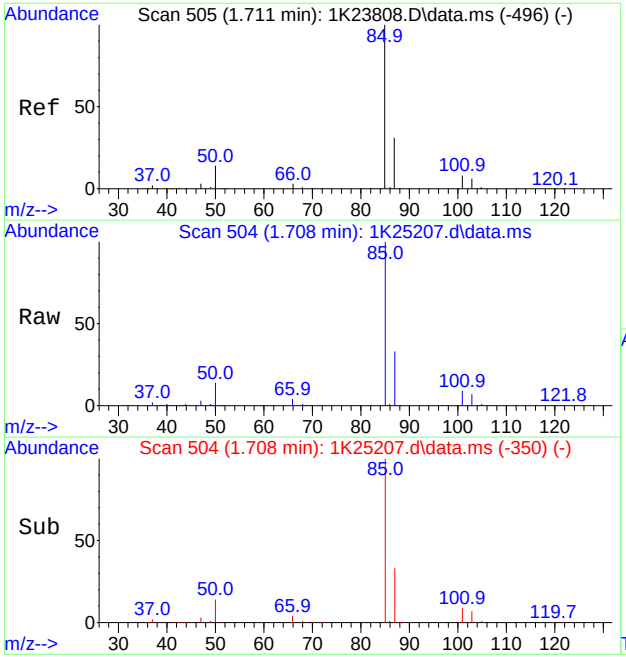


#6
chlorodifluoromethane
Concen: 34.7656 ug/L
RT: 1.743 min Scan# 515
Delta R.T. -0.007 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion: 51 Resp: 397655

Ion	Ratio	Lower	Upper
51	100		
67	15.7	0.0	44.3
50	6.4	0.0	36.5

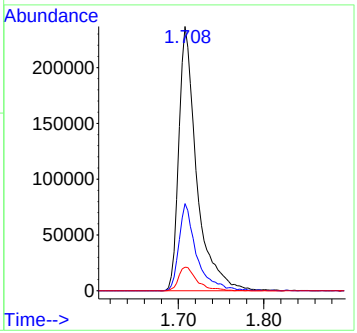


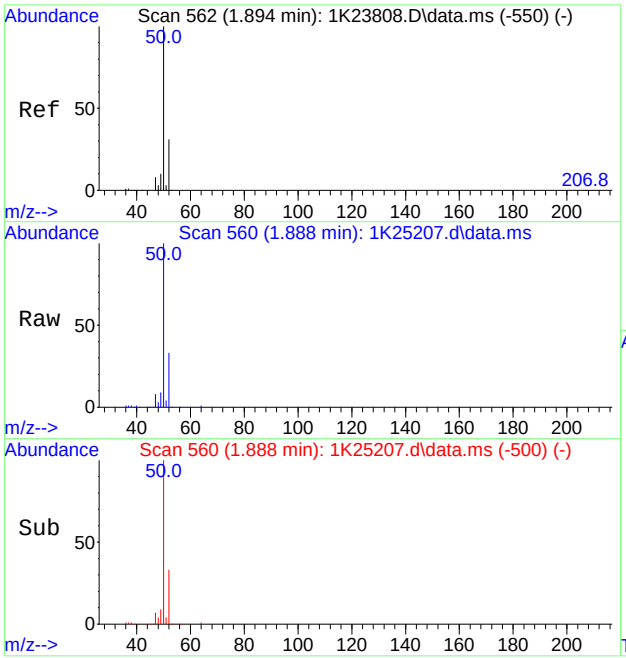


#7
dichlorodifluoromethane
Concen: 41.5015 ug/L
RT: 1.708 min Scan# 504
Delta R.T. -0.003 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion: 85 Resp: 344725

Ion	Ratio	Lower	Upper
85	100		
87	32.9	0.7	60.7
101	8.9	0.0	38.3

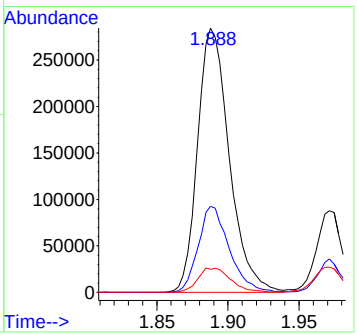


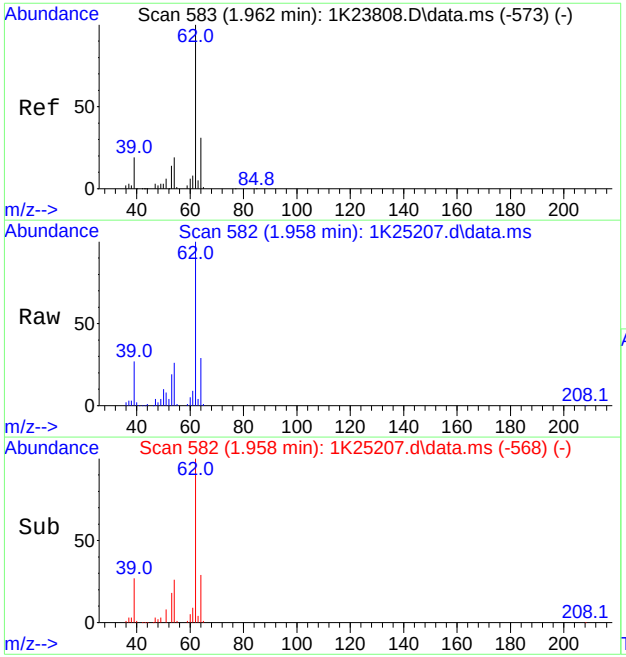


#8
chloromethane
Concen: 46.3236 ug/L
RT: 1.888 min Scan# 560
Delta R.T. -0.006 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion: 50 Resp: 440622

Ion	Ratio	Lower	Upper
50	100		
52	32.6	1.4	61.4
49	8.8	0.0	40.1

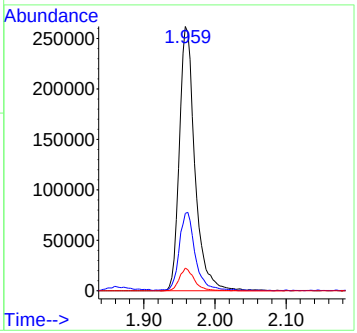


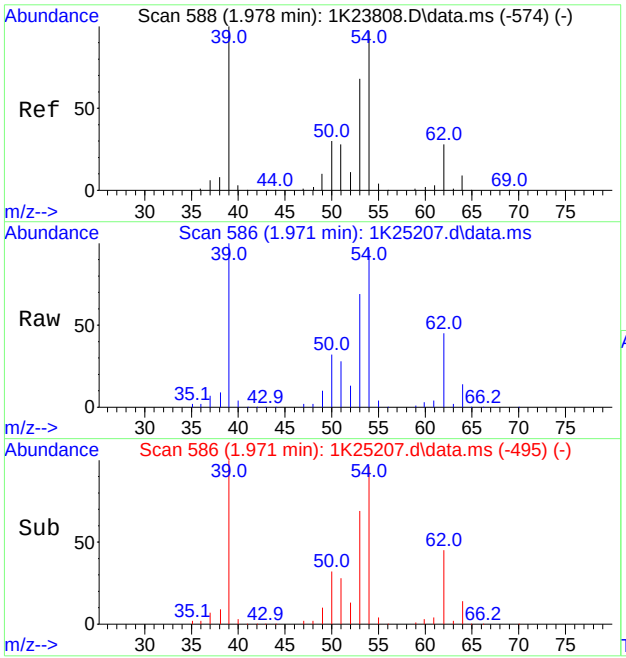


#9
vinyl chloride
Concen: 50.1847 ug/L
RT: 1.958 min Scan# 582
Delta R.T. -0.004 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion: 62 Resp: 397332

Ion	Ratio	Lower	Upper
62	100		
64	29.1	0.6	60.6
61	8.6	0.0	38.4

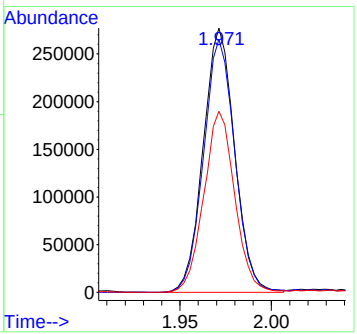


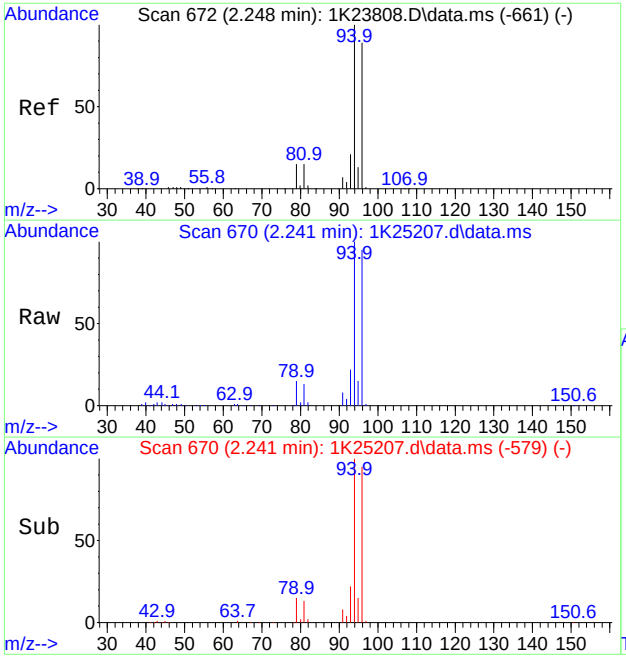


#10
1,3-butadiene
Concen: 41.3909 ug/L
RT: 1.971 min Scan# 586
Delta R.T. -0.007 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion: 39 Resp: 333577

Ion	Ratio	Lower	Upper
39	100		
54	95.7	67.0	127.0
53	68.5	38.5	98.5

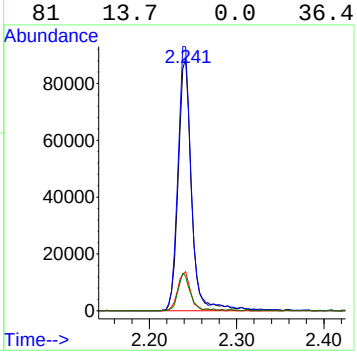


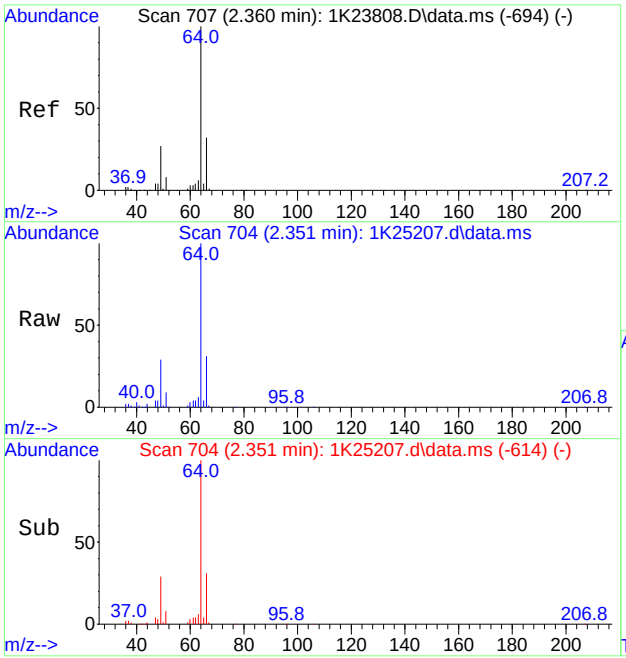


#11
bromomethane
Concen: 40.0754 ug/L
RT: 2.241 min Scan# 670
Delta R.T. -0.007 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion: 96 Resp: 94719

Ion	Ratio	Lower	Upper
96	100		
94	104.8	82.9	142.9
79	15.6	17.4	17.4#
81	13.7	0.0	36.4

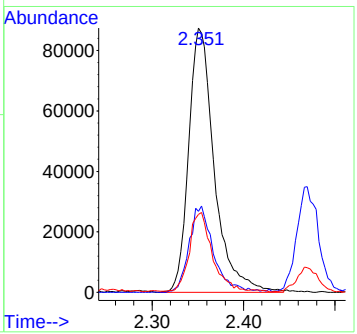


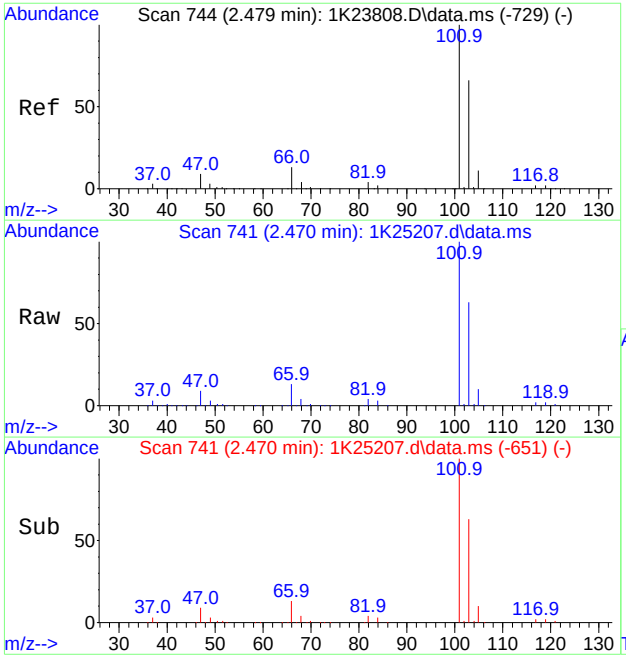


#12
chloroethane
Concen: 38.0179 ug/L
RT: 2.351 min Scan# 704
Delta R.T. -0.009 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion: 64 Resp: 170427

Ion	Ratio	Lower	Upper
64	100		
66	30.6	1.6	61.6
49	29.0	0.0	57.3

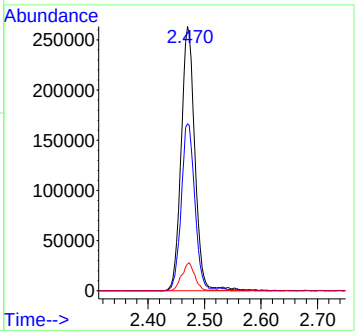


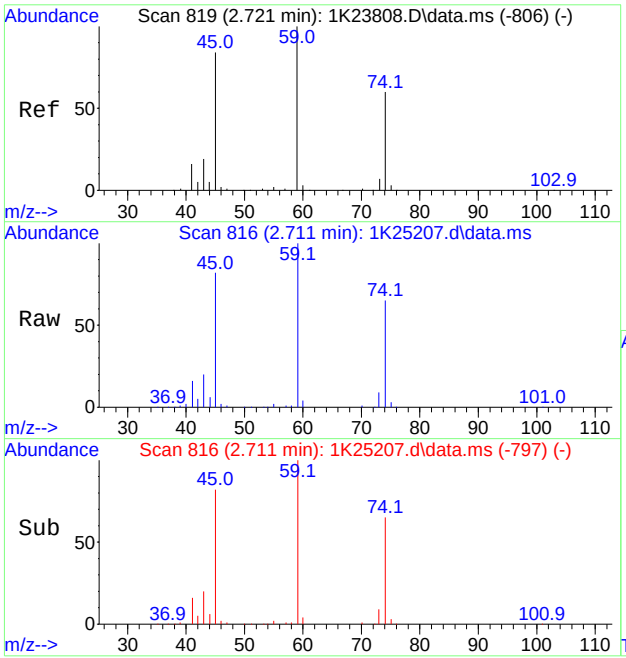


#13
trichlorofluoromethane
Concen: 40.5688 ug/L
RT: 2.470 min Scan# 741
Delta R.T. -0.009 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion:101 Resp: 449373

Ion	Ratio	Lower	Upper
101	100		
103	63.2	35.9	95.9
105	10.2	0.0	40.9

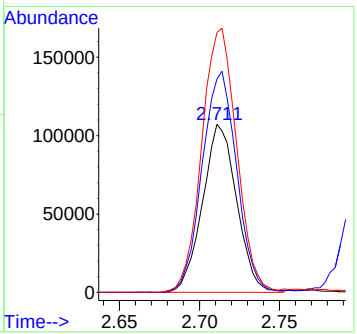


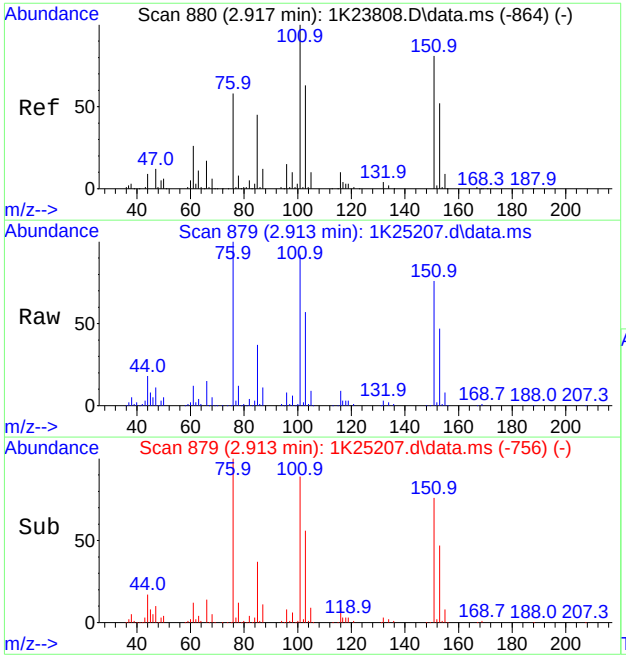


#14
ethyl ether
Concen: 43.3414 ug/L
RT: 2.711 min Scan# 816
Delta R.T. -0.010 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion: 74 Resp: 159076

Ion	Ratio	Lower	Upper
74	100		
45	126.7	108.3	168.3
59	154.4	135.3	195.3

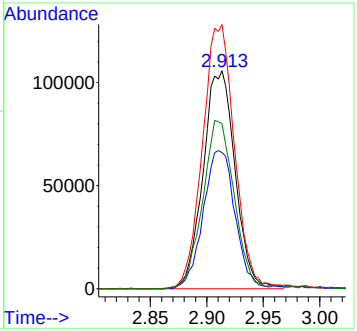


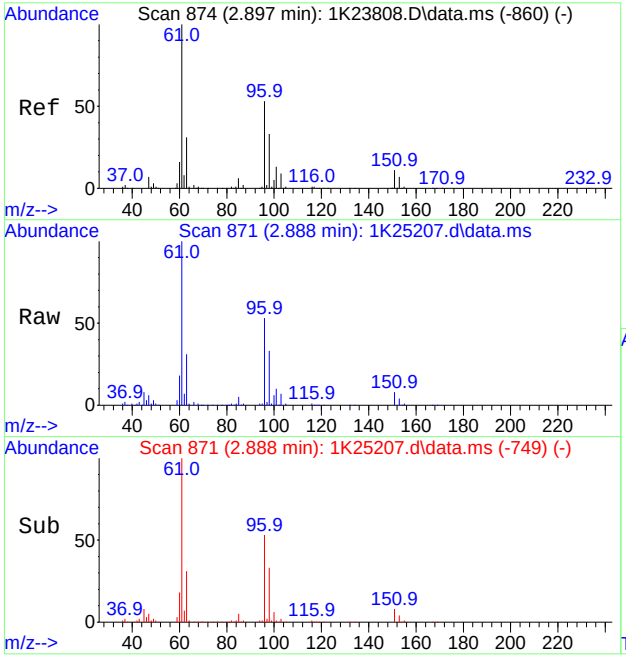


#16
freon 113
Concen: 44.7473 ug/L
RT: 2.913 min Scan# 879
Delta R.T. -0.004 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion:151 Resp: 208442

Ion	Ratio	Lower	Upper
151	100		
153	62.4	44.4	84.4
101	121.2	102.8	142.8
103	75.6	57.7	97.7

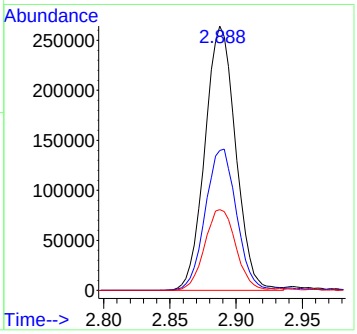


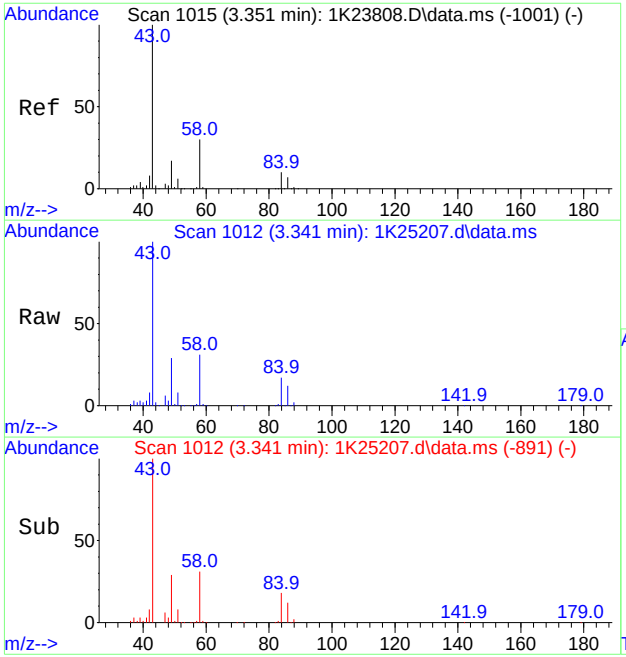


#17
1,1-dichloroethene
Concen: 41.2904 ug/L
RT: 2.888 min Scan# 871
Delta R.T. -0.009 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion: 61 Resp: 427628

Ion	Ratio	Lower	Upper
61	100		
96	52.9	23.2	83.2
63	30.6	1.0	61.0

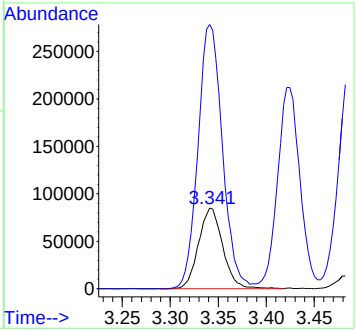


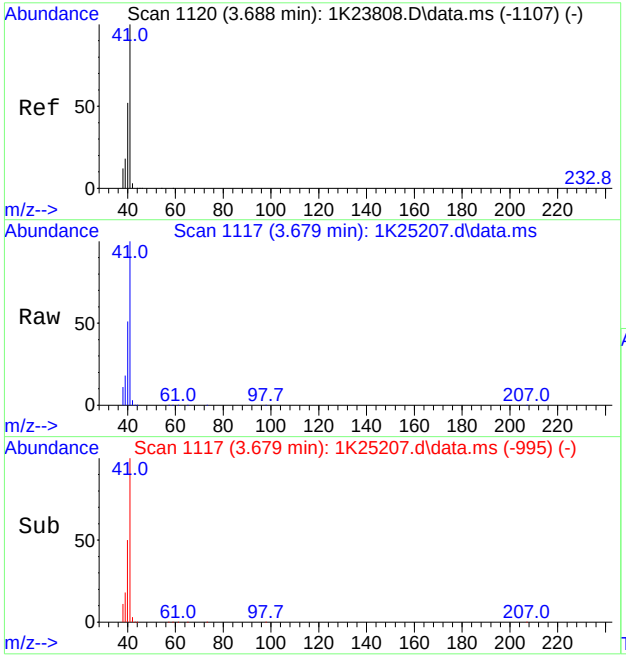


#18
acetone
Concen: 190.0639 ug/L
RT: 3.341 min Scan# 1012
Delta R.T. -0.010 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion: 58 Resp: 149904

Ion	Ratio	Lower	Upper
58	100		
43	326.6	300.4	360.4

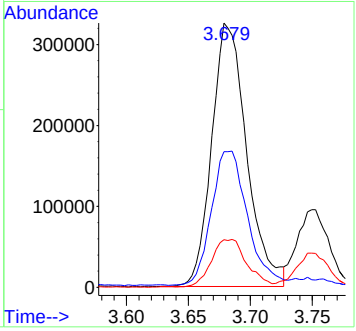


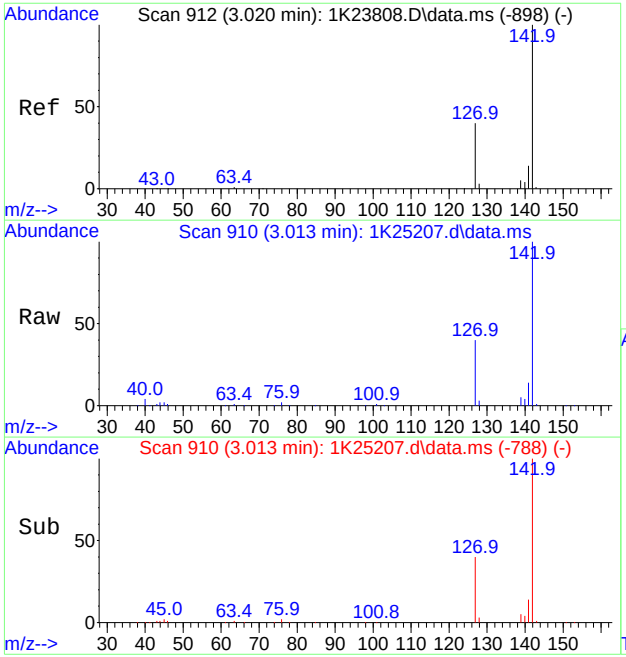


#19
acetonitrile
Concen: 615.4702 ug/L
RT: 3.679 min Scan# 1117
Delta R.T. -0.009 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion: 41 Resp: 639533

Ion	Ratio	Lower	Upper
41	100		
40	50.6	21.7	81.7
39	17.8	0.0	47.9

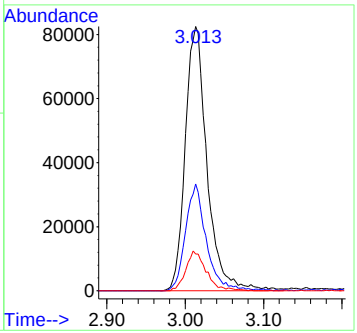


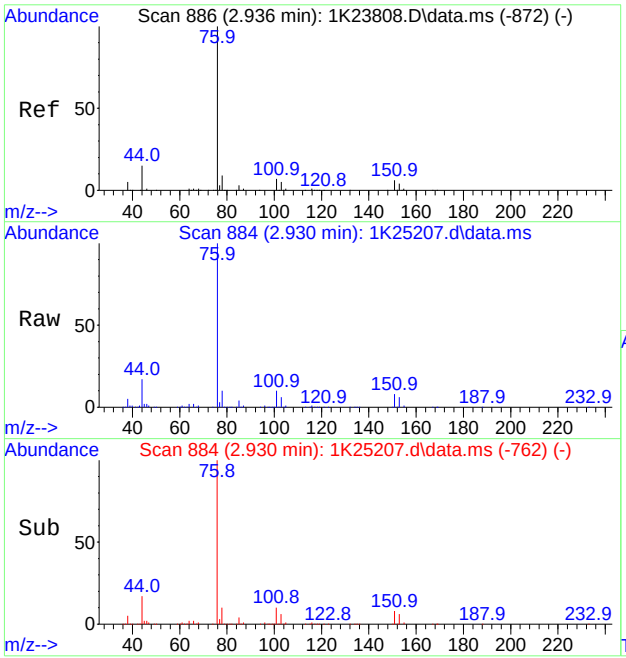


#20
iodomethane
Concen: 26.7178 ug/L
RT: 3.013 min Scan# 910
Delta R.T. -0.007 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion:142 Resp: 159760

Ion	Ratio	Lower	Upper
142	100		
127	40.4	9.9	69.9
141	13.9	0.0	44.3

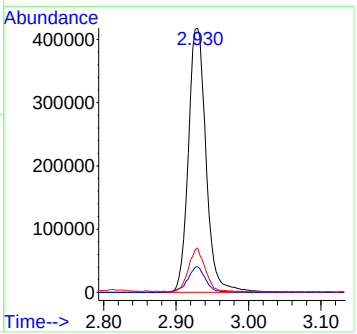


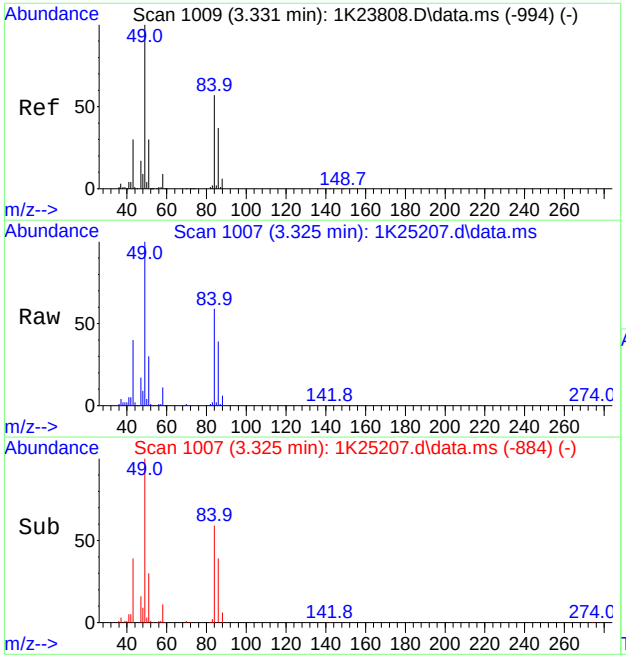


#21
carbon disulfide
Concen: 41.7159 ug/L
RT: 2.930 min Scan# 884
Delta R.T. -0.006 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion: 76 Resp: 711255

Ion	Ratio	Lower	Upper
76	100		
78	9.8	0.0	39.5
44	16.7	0.0	44.8

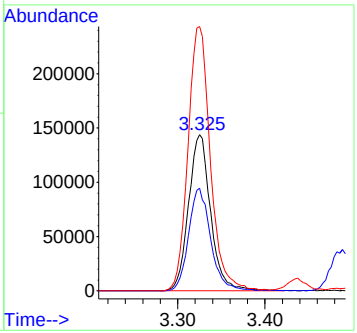


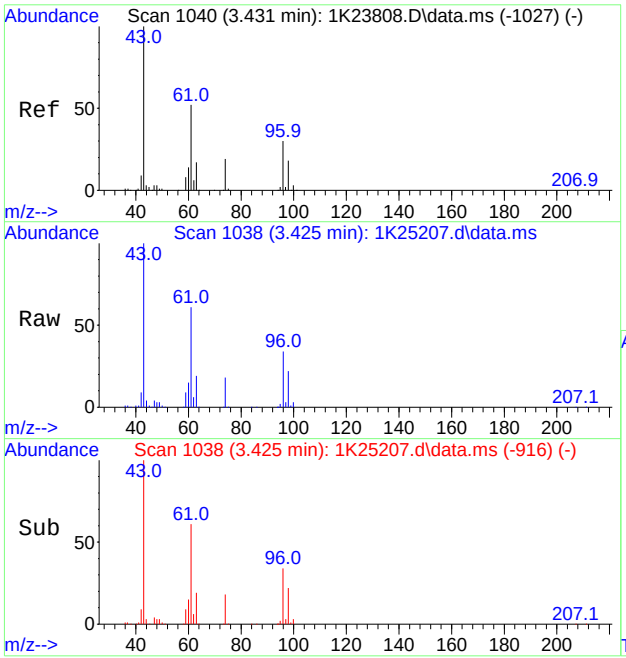


#22
methylene chloride
Concen: 43.7875 ug/L
RT: 3.325 min Scan# 1007
Delta R.T. -0.006 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion: 84 Resp: 253155

Ion	Ratio	Lower	Upper
84	100		
86	65.7	35.3	95.3
49	169.4	144.8	204.8

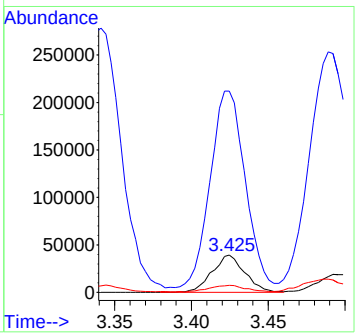


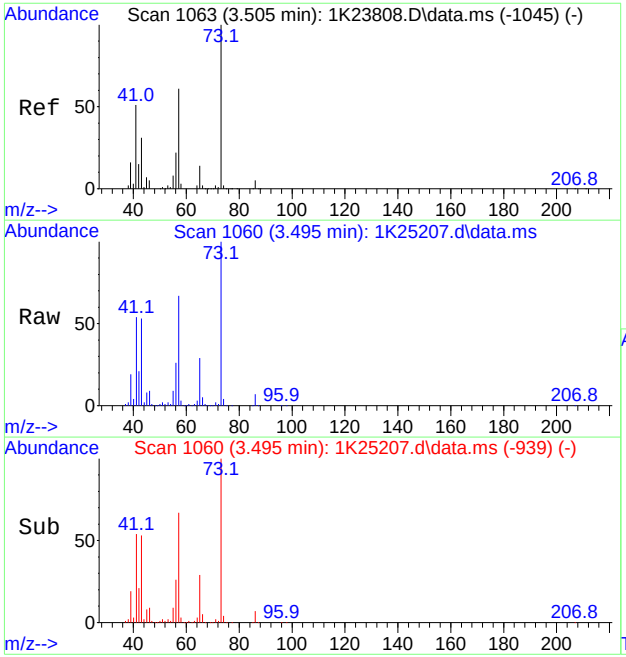


#23
methyl acetate
Concen: 43.3629 ug/L
RT: 3.425 min Scan# 1038
Delta R.T. -0.006 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion: 74 Resp: 58271

Ion	Ratio	Lower	Upper
74	100		
43	519.0	491.2	551.2
44	17.0	0.0	44.3

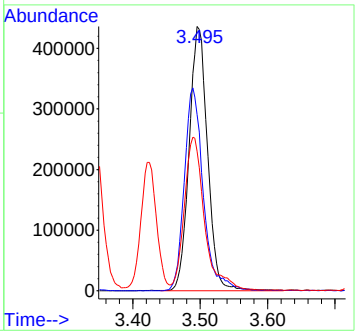


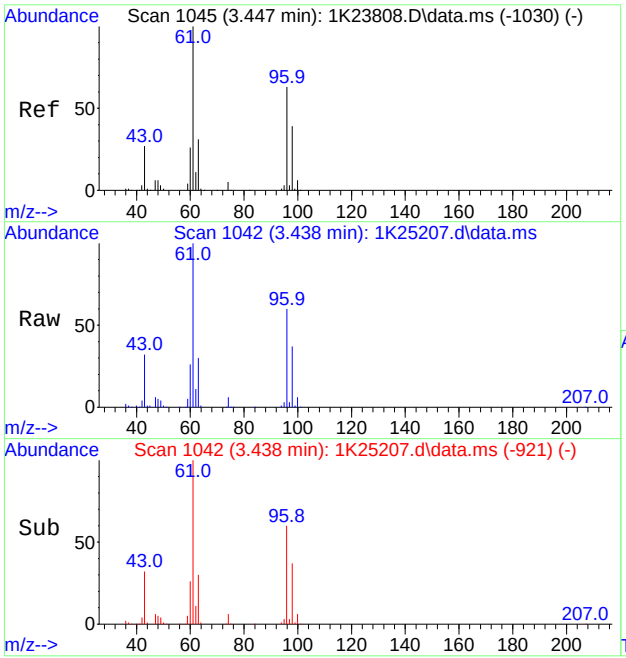


#24
methyl tert butyl ether
Concen: 42.9144 ug/L
RT: 3.495 min Scan# 1060
Delta R.T. -0.010 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion: 73 Resp: 826514

Ion	Ratio	Lower	Upper
73	100		
57	66.8	30.7	90.7
43	52.7	18.2	78.2

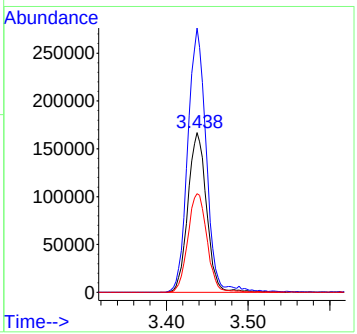


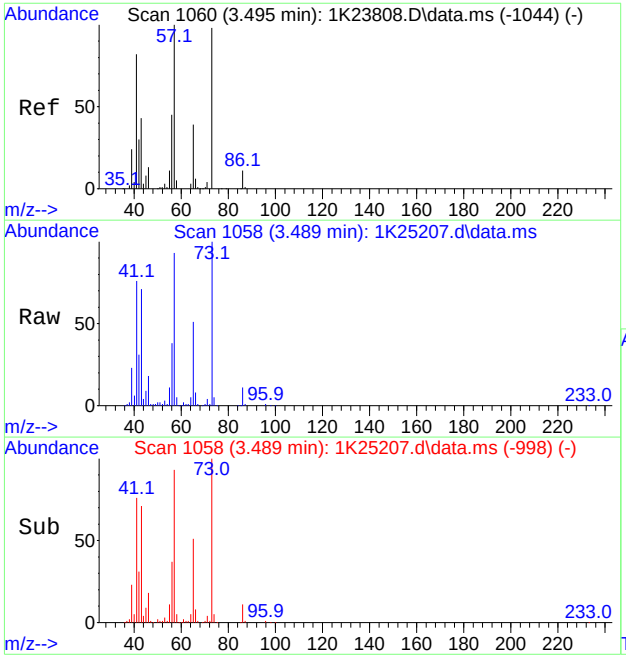


#25
trans-1,2-dichloroethene
Concen: 43.4466 ug/L
RT: 3.438 min Scan# 1042
Delta R.T. -0.009 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion: 96 Resp: 265314

Ion	Ratio	Lower	Upper
96	100		
61	165.6	128.8	188.8
98	61.7	32.4	92.4

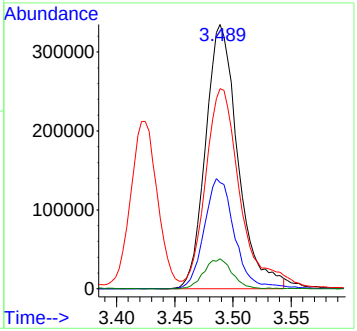


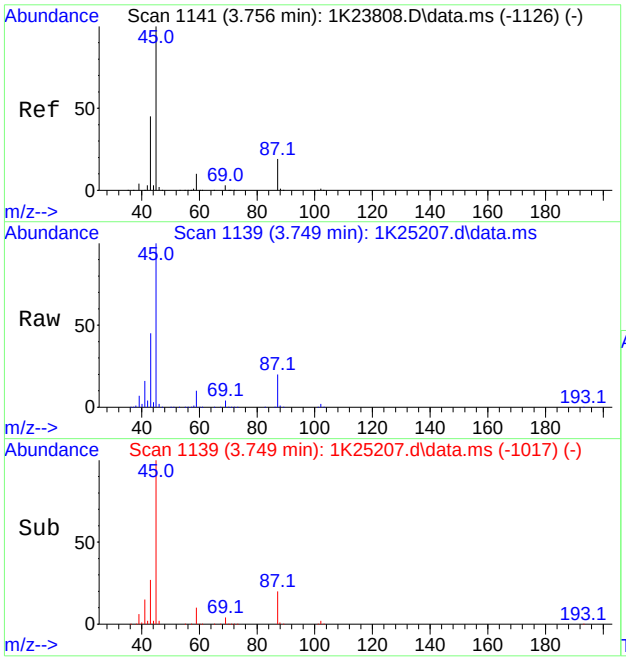


#26
hexane
Concen: 42.1445 ug/L
RT: 3.489 min Scan# 1058
Delta R.T. -0.006 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion: 57 Resp: 647173

Ion	Ratio	Lower	Upper
57	100		
56	40.2	24.9	64.9
43	70.5	50.9	90.9
86	11.3	0.0	31.2

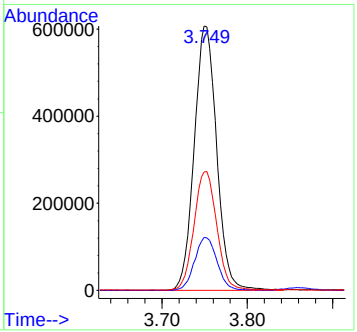


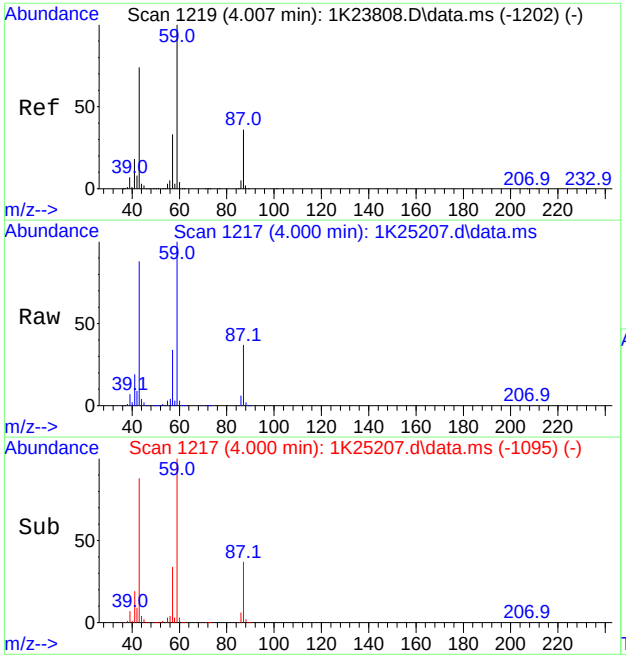


#27
di-isopropyl ether
Concen: 43.0217 ug/L
RT: 3.749 min Scan# 1139
Delta R.T. -0.007 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion: 45 Resp: 1111809

Ion	Ratio	Lower	Upper
45	100		
87	20.1	0.0	48.8
43	44.7	14.9	74.9

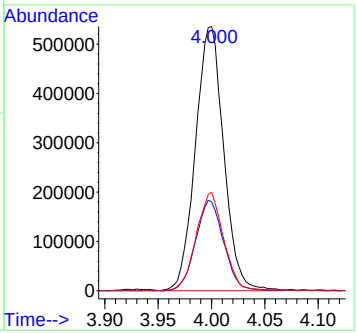


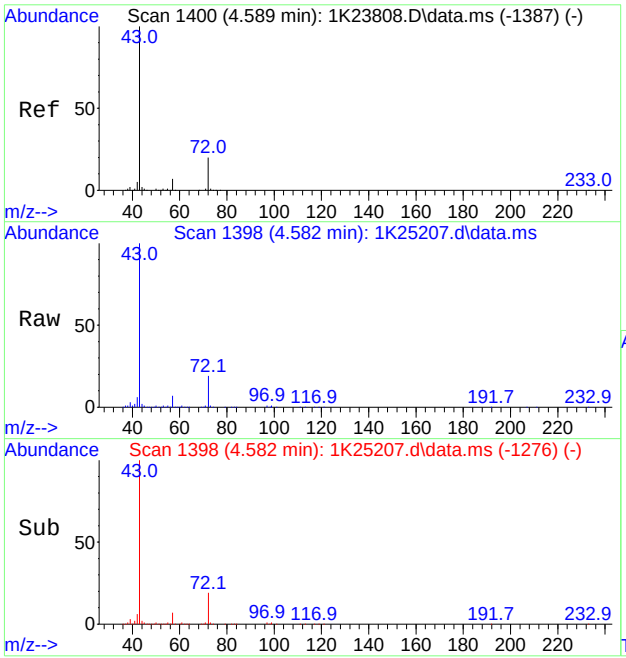


#28
ethyl tert-butyl ether
Concen: 43.0555 ug/L
RT: 4.000 min Scan# 1217
Delta R.T. -0.007 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion: 59 Resp: 988049

Ion	Ratio	Lower	Upper
59	100		
57	33.7	2.6	62.6
87	37.3	5.8	65.8

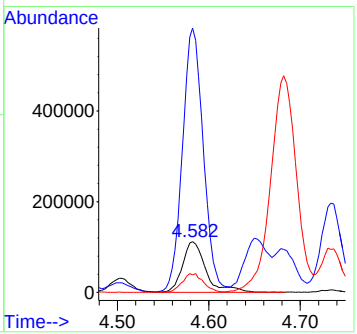


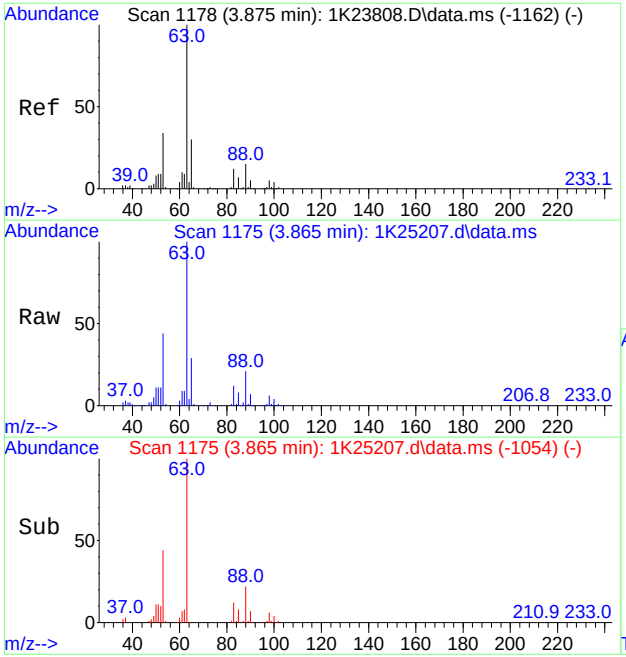


#29
2-butanone
Concen: 197.0869 ug/L
RT: 4.582 min Scan# 1398
Delta R.T. -0.007 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion: 72 Resp: 199591

Ion	Ratio	Lower	Upper
72	100		
43	519.5	475.4	535.4
57	34.5	5.7	65.7

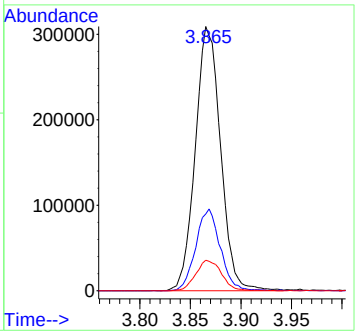


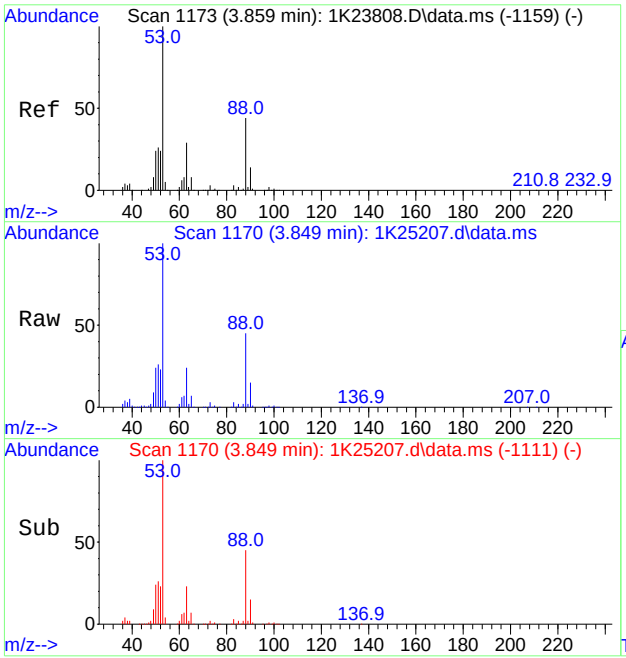


#30
1,1-dichloroethane
Concen: 44.2604 ug/L
RT: 3.865 min Scan# 1175
Delta R.T. -0.010 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion: 63 Resp: 538790

Ion	Ratio	Lower	Upper
63	100		
65	29.0	0.2	60.2
83	11.6	0.0	42.0

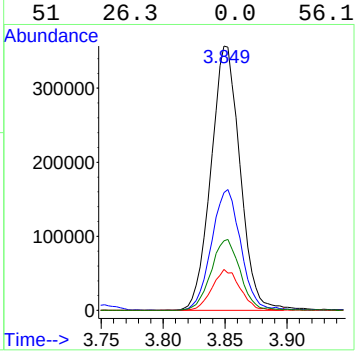


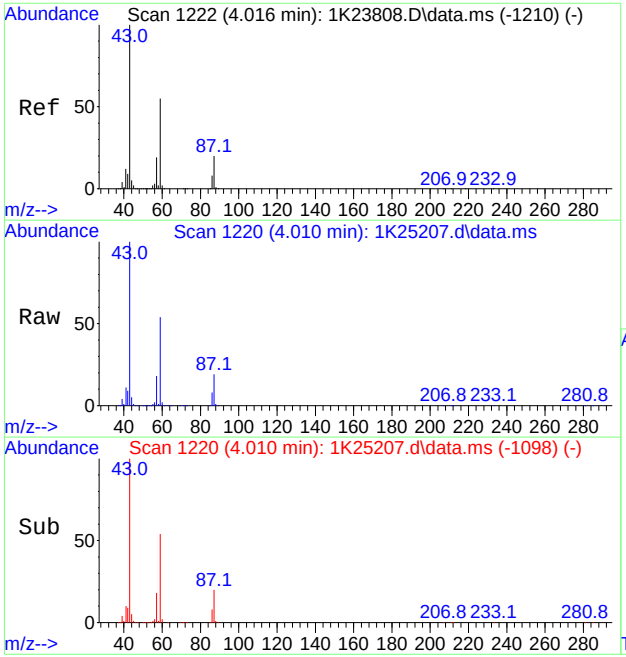


#31
chloroprene
Concen: 43.4448 ug/L
RT: 3.849 min Scan# 1170
Delta R.T. -0.010 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion: 53 Resp: 582143

Ion	Ratio	Lower	Upper
53	100		
88	44.6	13.8	73.8
90	15.5	0.0	44.2
51	26.3	0.0	56.1

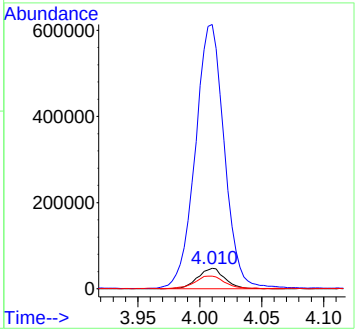


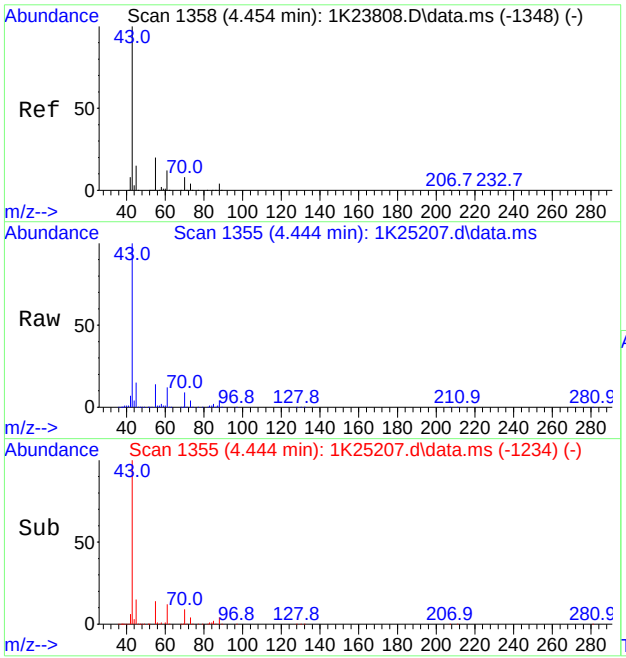


#33
vinyl acetate
Concen: 48.6595 ug/L
RT: 4.010 min Scan# 1220
Delta R.T. -0.006 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion: 86 Resp: 72504

Ion	Ratio	Lower	Upper
86	100		
43	1280.5	1252.8	1312.8
44	60.1	39.9	99.9

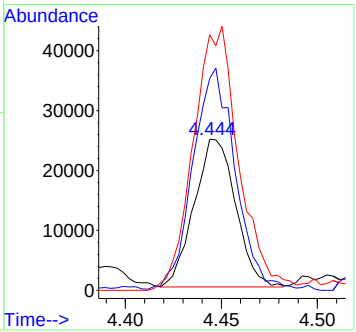


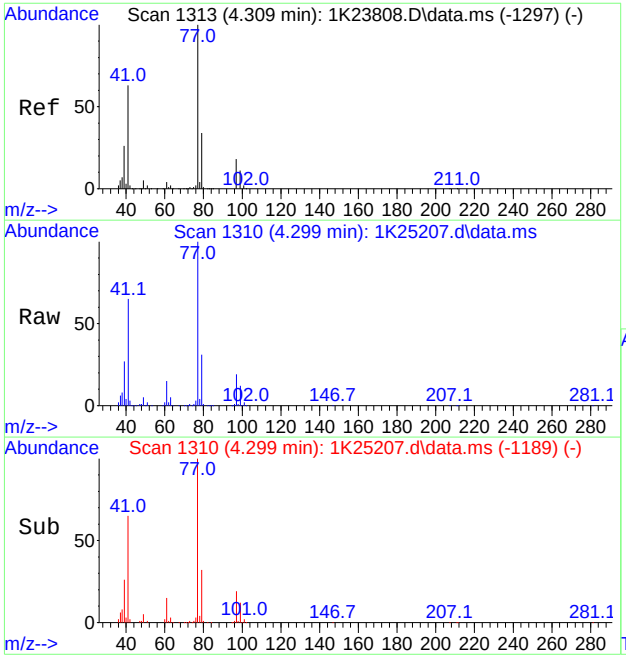


#34
ethyl acetate
Concen: 41.7939 ug/L
RT: 4.444 min Scan# 1355
Delta R.T. -0.010 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion: 70 Resp: 37160

Ion	Ratio	Lower	Upper
70	100		
61	140.7	124.4	184.4
45	168.2	156.4	216.4

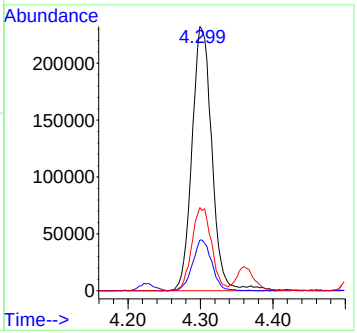


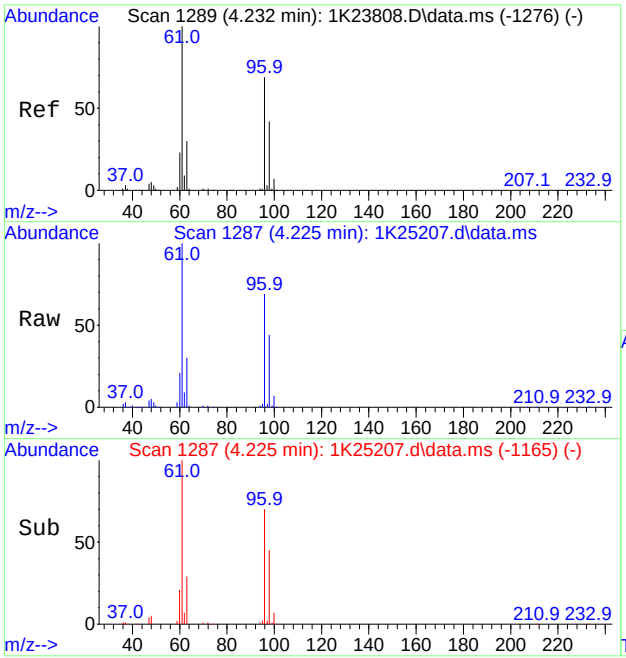


#35
2,2-dichloropropane
Concen: 44.1724 ug/L
RT: 4.299 min Scan# 1310
Delta R.T. -0.010 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion: 77 Resp: 444159

Ion	Ratio	Lower	Upper
77	100		
97	19.1	0.0	47.6
79	31.5	3.7	63.7

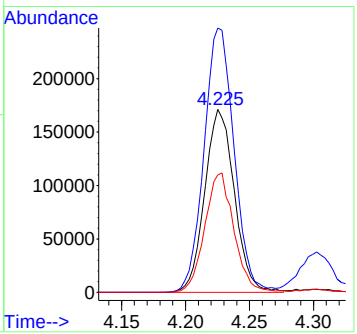


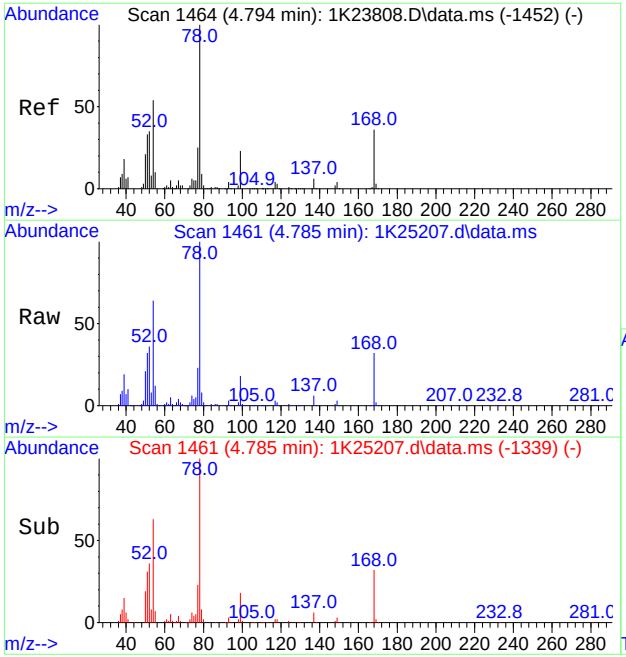


#36
cis-1,2-dichloroethene
Concen: 44.4840 ug/L
RT: 4.225 min Scan# 1287
Delta R.T. -0.007 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion: 96 Resp: 276609

Ion	Ratio	Lower	Upper
96	100		
61	144.6	114.3	174.3
98	64.2	30.5	90.5

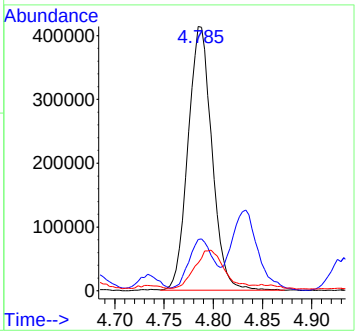


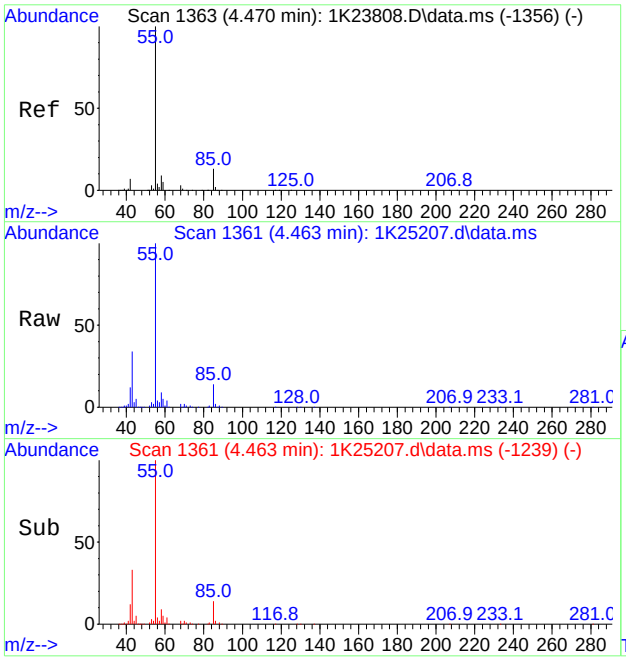


#37
propionitrile
Concen: 518.3160 ug/L
RT: 4.785 min Scan# 1461
Delta R.T. -0.009 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion: 54 Resp: 696972

Ion	Ratio	Lower	Upper
54	100		
55	18.0	0.0	50.4
40	9.4	0.0	41.8

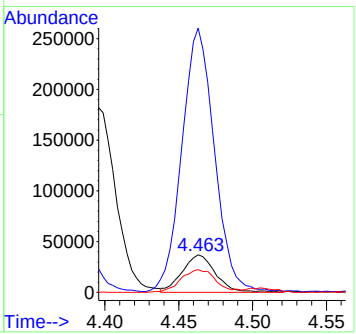


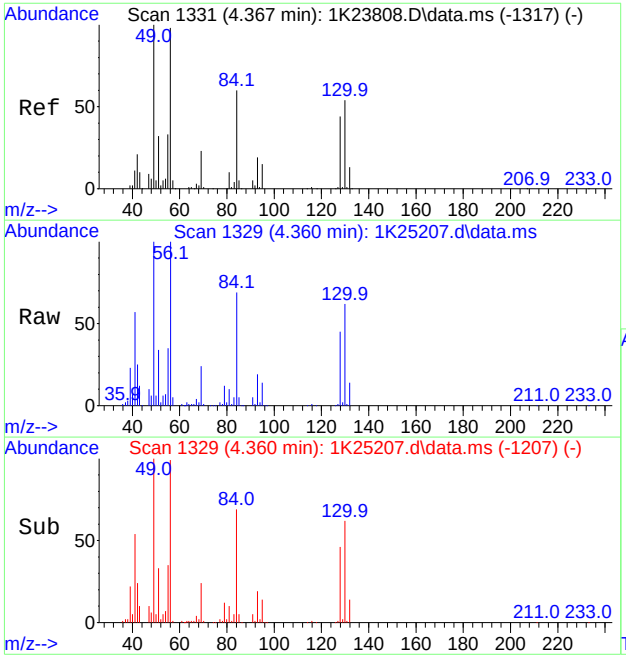


#38
methyl acrylate
Concen: 47.8498 ug/L
RT: 4.463 min Scan# 1361
Delta R.T. -0.007 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion: 85 Resp: 58408

Ion	Ratio	Lower	Upper
85	100		
55	710.3	717.8	757.8#
58	58.9	42.6	82.6

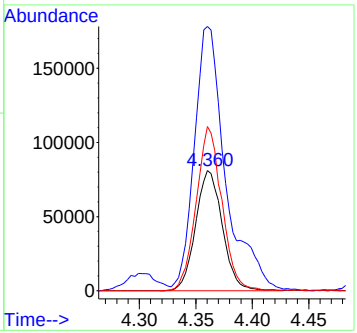


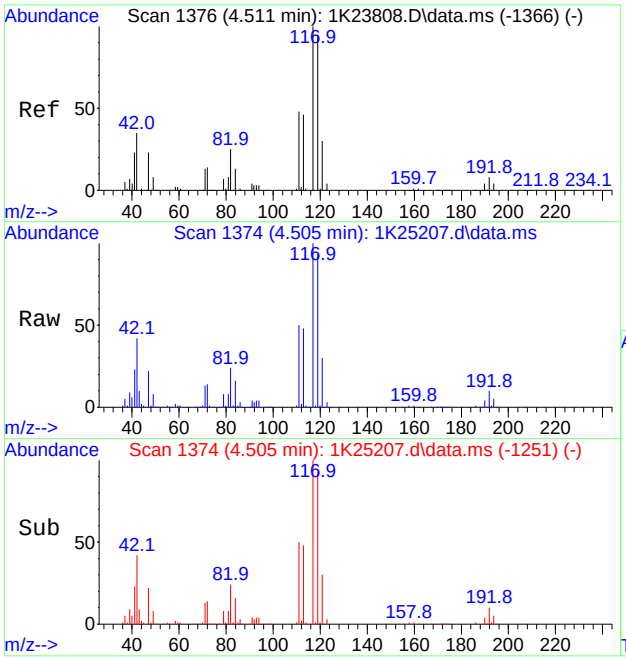


#39
bromochloromethane
Concen: 47.2481 ug/L
RT: 4.360 min Scan# 1329
Delta R.T. -0.007 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion:128 Resp: 133075

Ion	Ratio	Lower	Upper
128	100		
49	218.4	195.5	255.5
130	136.5	92.1	152.1

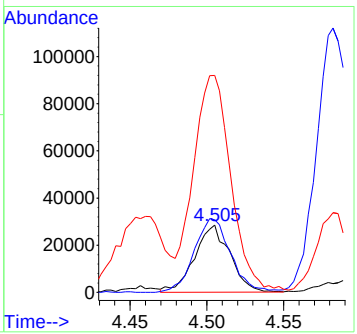


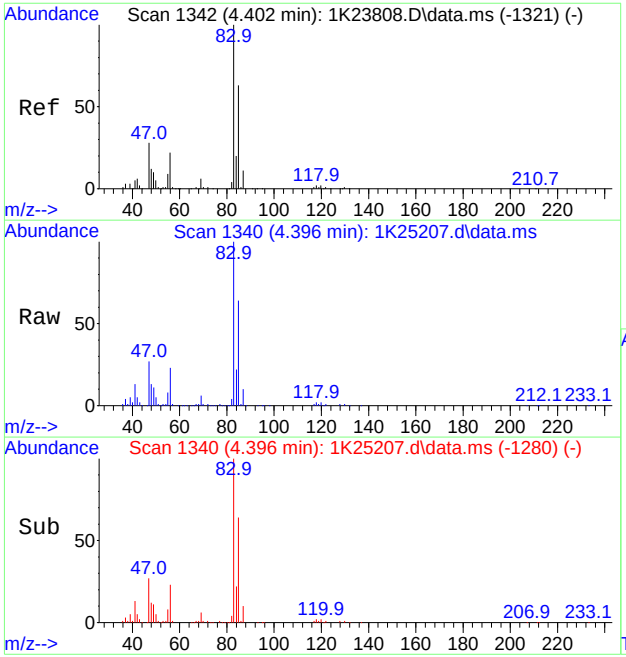


#40
tetrahydrofuran
Concen: 42.2890 ug/L
RT: 4.505 min Scan# 1374
Delta R.T. -0.006 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion: 71 Resp: 45267

Ion	Ratio	Lower	Upper
71	100		
72	107.9	76.4	136.4
42	321.4	297.7	357.7

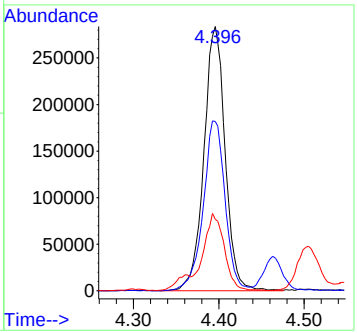


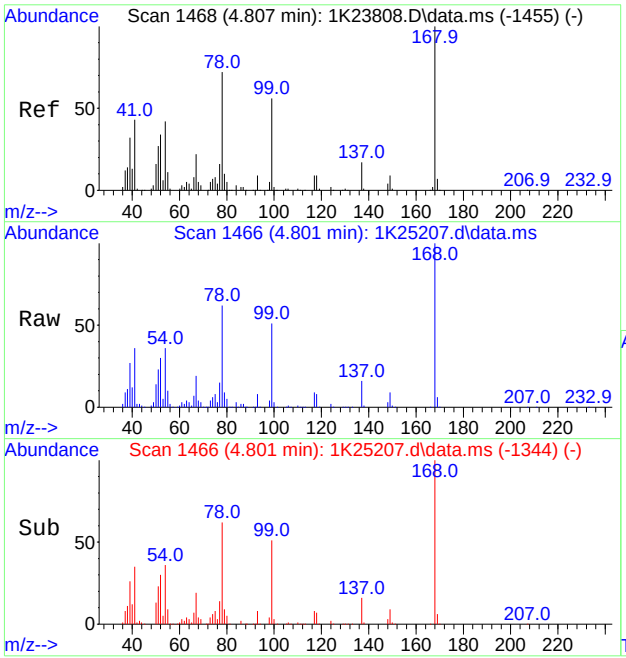


#41
chloroform
Concen: 42.1882 ug/L
RT: 4.396 min Scan# 1340
Delta R.T. -0.006 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion: 83 Resp: 491906

Ion	Ratio	Lower	Upper
83	100		
85	64.1	33.4	93.4
47	26.8	0.0	58.3

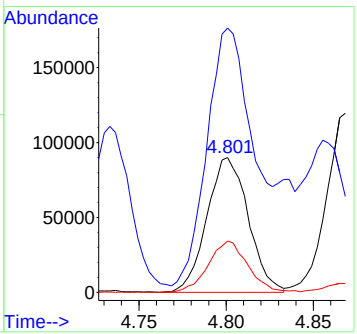


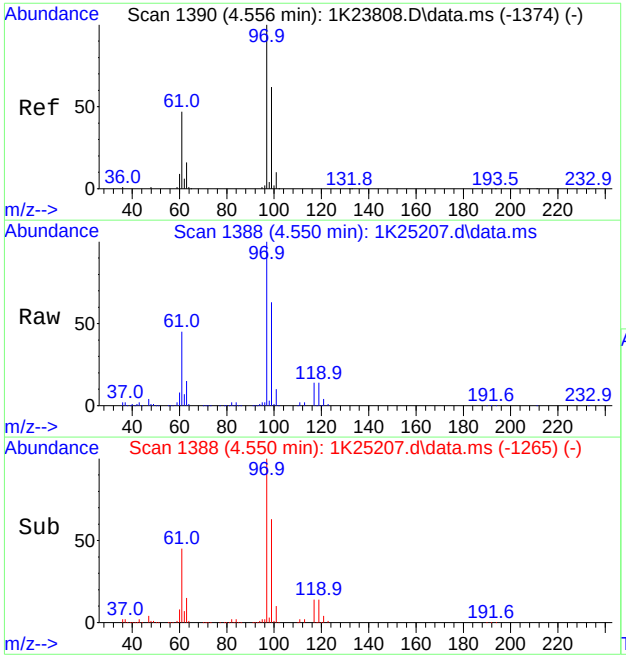


#43
methacrylonitrile
Concen: 41.3140 ug/L
RT: 4.801 min Scan# 1466
Delta R.T. -0.006 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion: 67 Resp: 148647

Ion	Ratio	Lower	Upper
67	100		
41	189.4	161.1	221.1
66	38.1	3.7	63.7

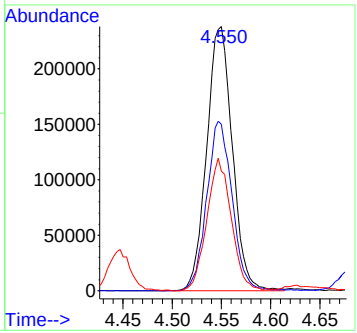


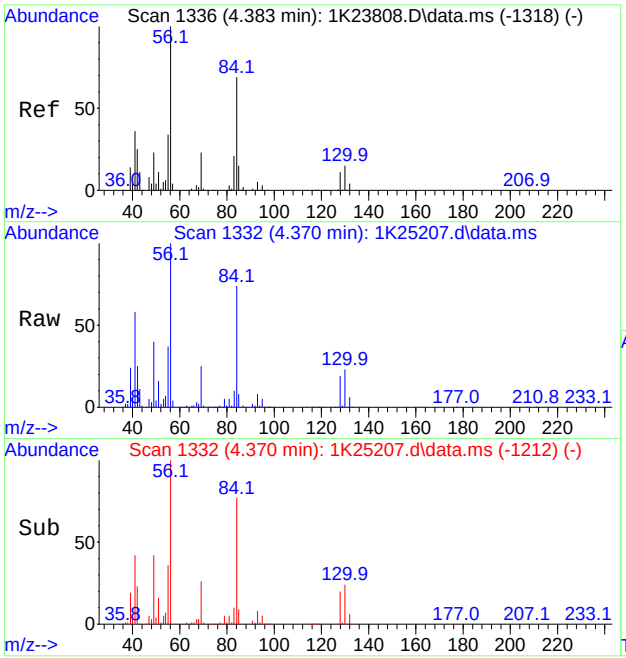


#44
1,1,1-trichloroethane
Concen: 43.3680 ug/L
RT: 4.550 min Scan# 1388
Delta R.T. -0.006 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion: 97 Resp: 432745

Ion	Ratio	Lower	Upper
97	100		
99	62.9	32.1	92.1
61	45.1	16.3	76.3

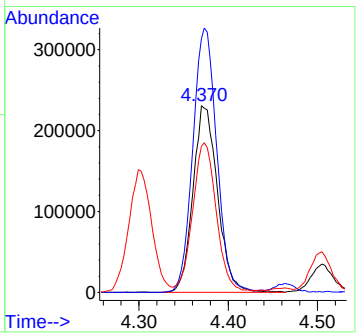


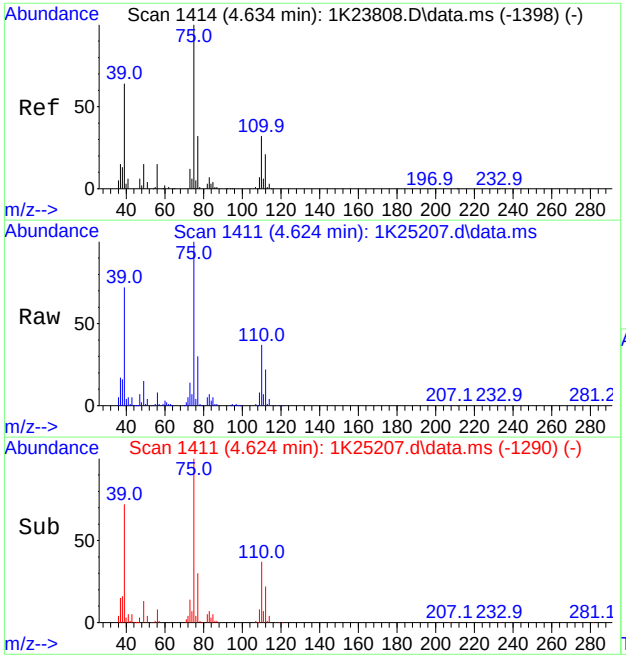


#45
cyclohexane
Concen: 50.2425 ug/L
RT: 4.370 min Scan# 1332
Delta R.T. -0.013 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion: 84 Resp: 440917

Ion	Ratio	Lower	Upper
84	100		
56	135.8	124.1	164.1
41	75.8	58.3	98.3

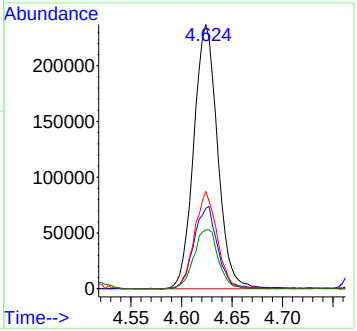


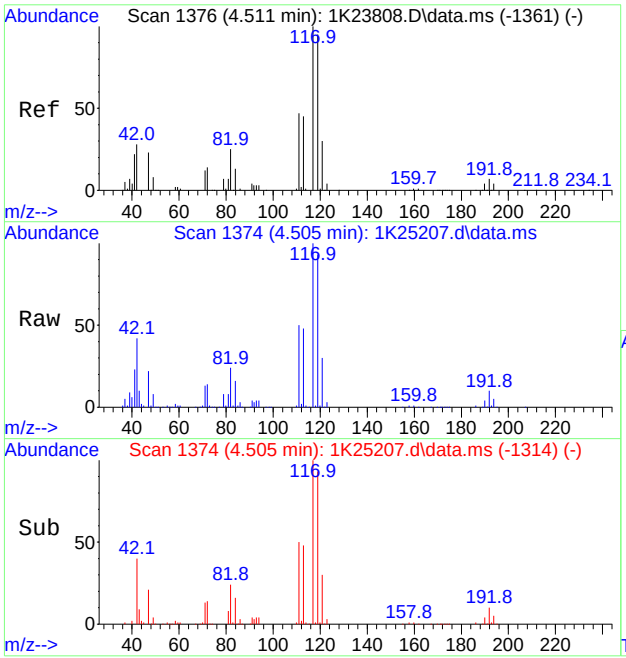


#46
1,1-dichloropropene
Concen: 44.4180 ug/L
RT: 4.624 min Scan# 1411
Delta R.T. -0.010 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion: 75 Resp: 389378

Ion	Ratio	Lower	Upper
75	100		
77	30.5	12.0	52.0
110	36.9	12.3	52.3
112	22.3	0.8	40.8

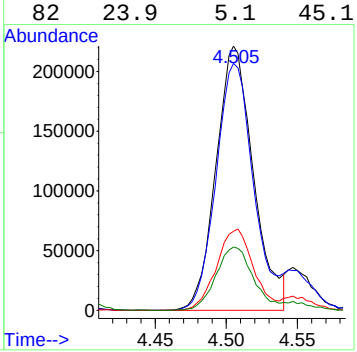


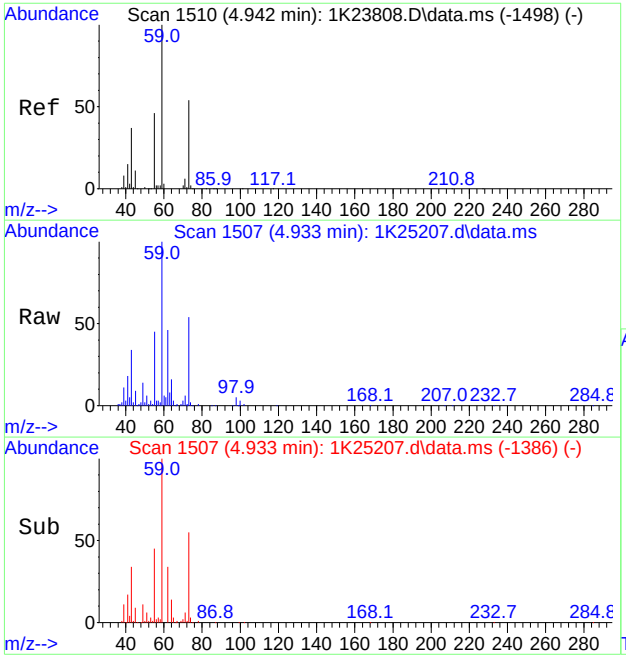


#47
carbon tetrachloride
Concen: 43.6979 ug/L
RT: 4.505 min Scan# 1374
Delta R.T. -0.006 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion:117 Resp: 404926

Ion	Ratio	Lower	Upper
117	100		
119	93.4	74.6	114.6
121	29.9	9.9	49.9
82	23.9	5.1	45.1

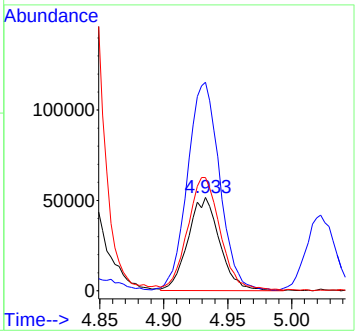


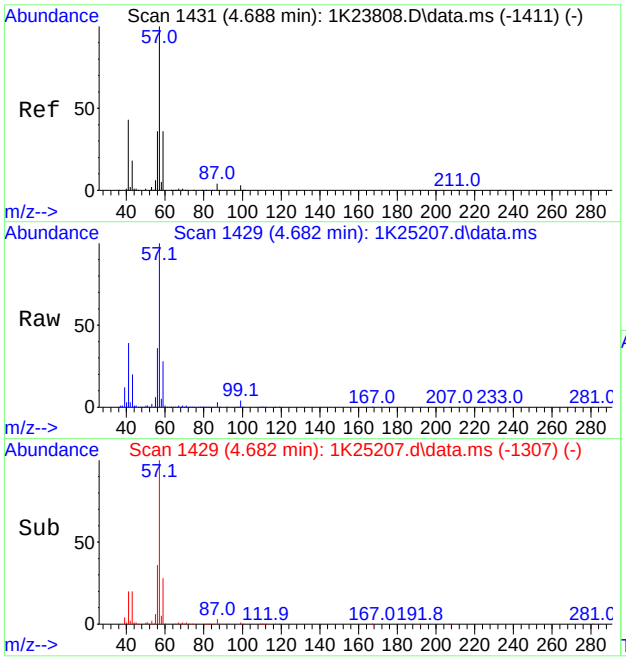


#49
tert-amyl alcohol
Concen: 290.1725 ug/L
RT: 4.933 min Scan# 1507
Delta R.T. -0.009 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion: 55 Resp: 88829

Ion	Ratio	Lower	Upper
55	100		
59	221.4	194.2	234.2
73	120.8	101.1	141.1

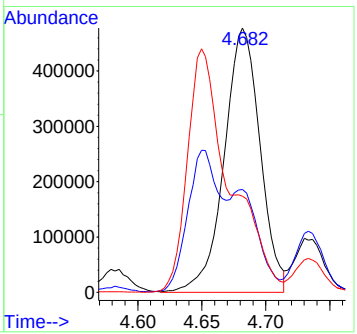


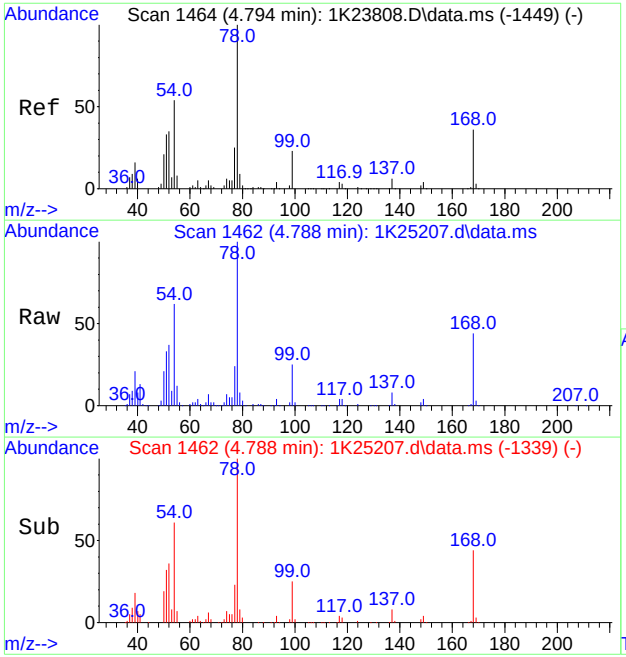


#52
iso-octane
Concen: 39.3272 ug/L
RT: 4.682 min Scan# 1429
Delta R.T. -0.006 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion: 57 Resp: 931973

Ion	Ratio	Lower	Upper
57	100		
41	38.4	22.7	62.7
56	35.8	16.1	56.1

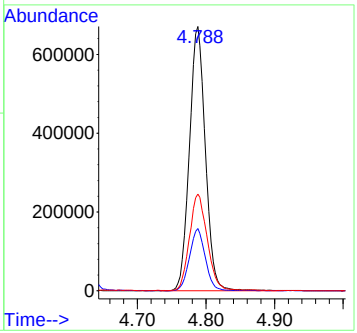


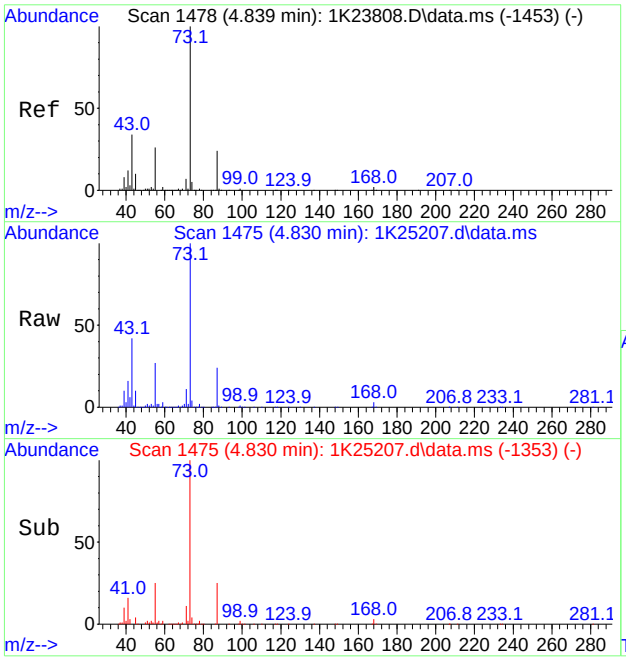


#53
benzene
Concen: 44.8766 ug/L
RT: 4.788 min Scan# 1462
Delta R.T. -0.006 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion: 78 Resp: 1088076

Ion	Ratio	Lower	Upper
78	100		
77	23.5	0.0	54.5
52	36.4	5.0	65.0

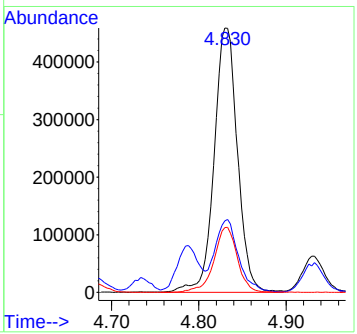


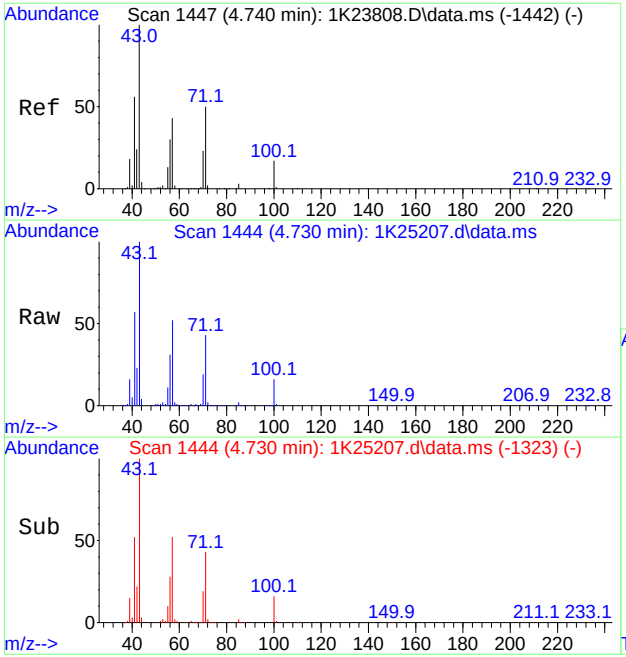


#54
tert-amyl methyl ether
Concen: 42.9710 ug/L
RT: 4.830 min Scan# 1475
Delta R.T. -0.009 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion: 73 Resp: 854363

Ion	Ratio	Lower	Upper
73	100		
55	26.8	7.0	47.0
87	24.5	4.4	44.4

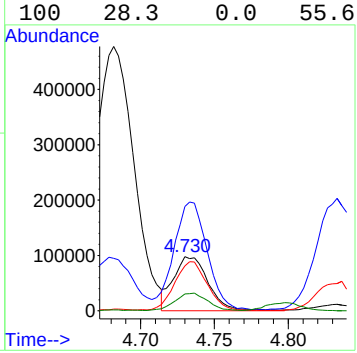


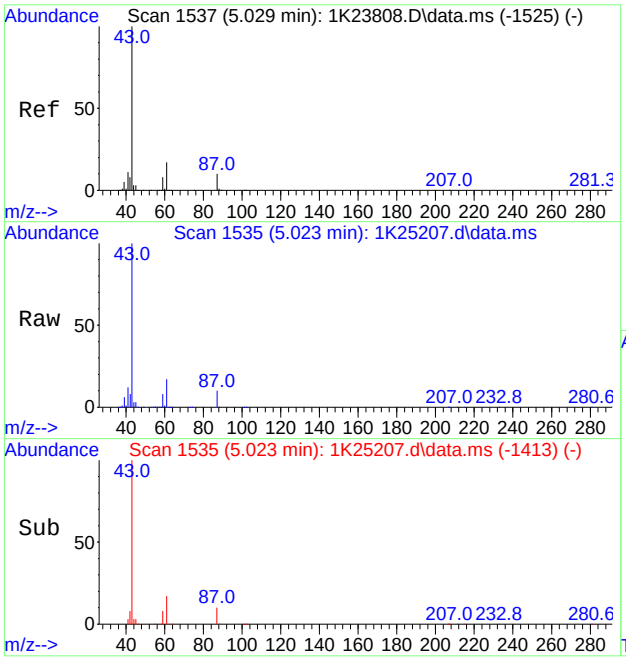


#55
heptane
Concen: 44.7781 ug/L
RT: 4.730 min Scan# 1444
Delta R.T. -0.010 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion: 57 Resp: 161526

Ion	Ratio	Lower	Upper
57	100		
43	191.6	165.6	225.6
71	82.9	61.2	121.2
100	28.3	0.0	55.6

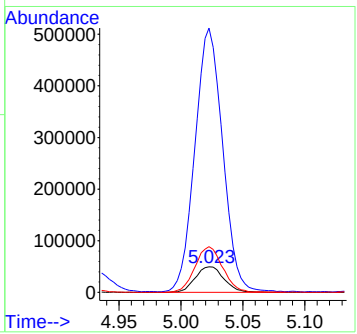


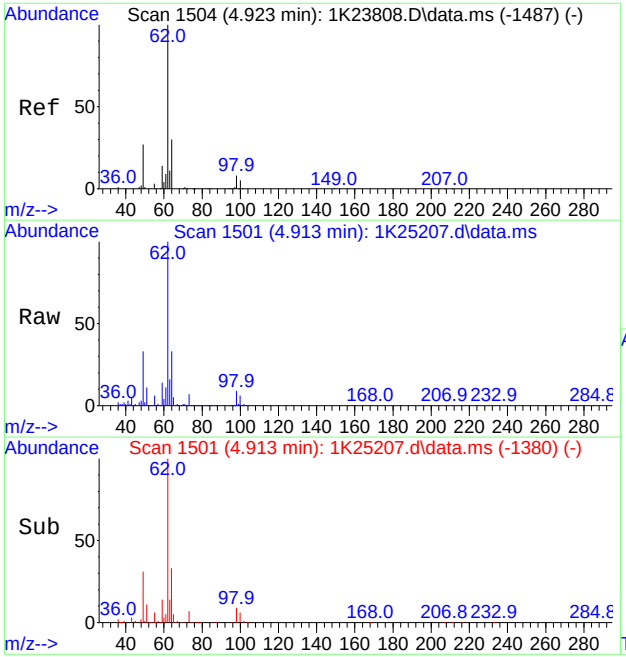


#56
isopropyl acetate
Concen: 44.6400 ug/L
RT: 5.023 min Scan# 1535
Delta R.T. -0.006 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion: 87 Resp: 80367

Ion	Ratio	Lower	Upper
87	100		
43	1033.1	998.2	1058.2
61	179.0	147.0	207.0

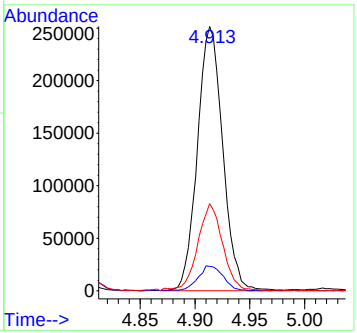


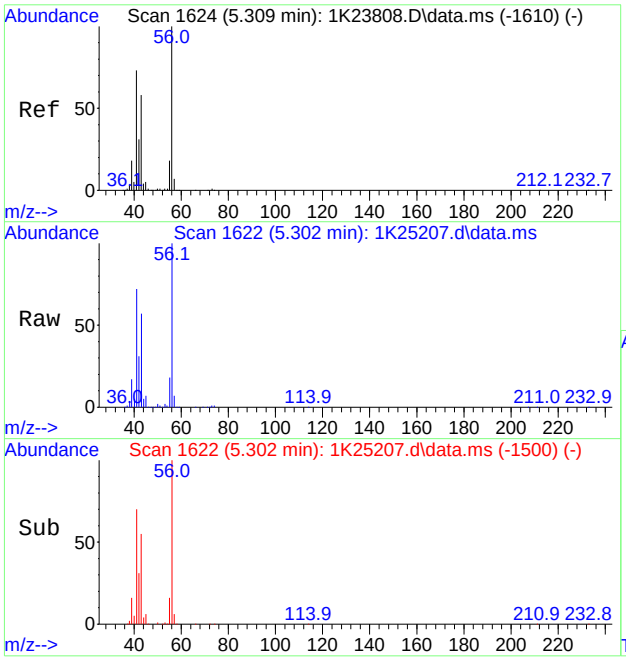


#57
1,2-dichloroethane
Concen: 41.2662 ug/L
RT: 4.913 min Scan# 1501
Delta R.T. -0.010 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion: 62 Resp: 403700

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	38.3
64	33.0	0.4	60.4

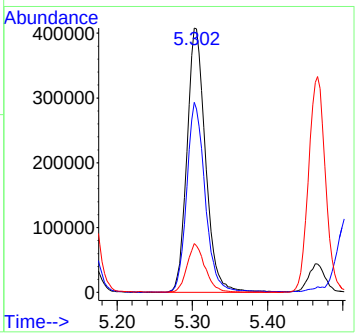


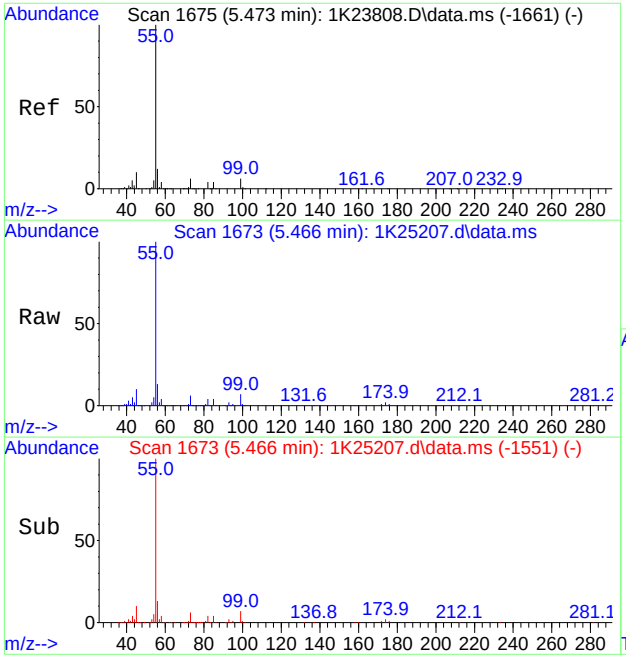


#58
n-butyl alcohol
Concen: 4084.3385 ug/L
RT: 5.302 min Scan# 1622
Delta R.T. -0.007 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion: 56 Resp: 697018

Ion	Ratio	Lower	Upper
56	100		
41	71.7	53.5	93.5
55	18.3	0.0	38.0

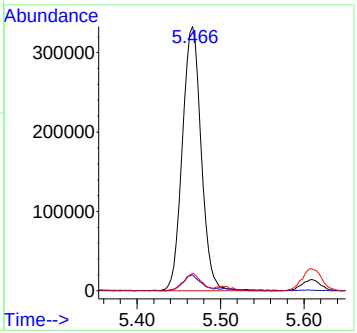


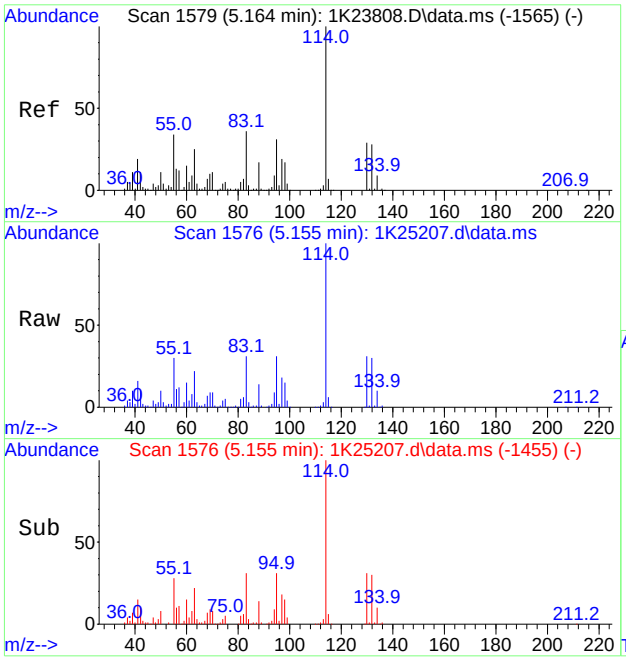


#59
ethyl acrylate
Concen: 43.2418 ug/L
RT: 5.466 min Scan# 1673
Delta R.T. -0.007 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion: 55 Resp: 522739

Ion	Ratio	Lower	Upper
55	100		
73	6.0	0.0	35.8
99	6.6	0.0	35.9

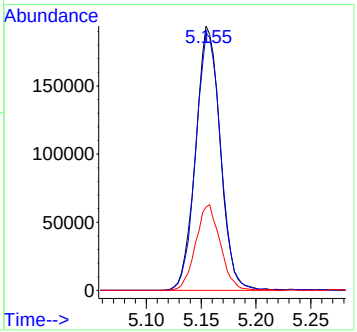


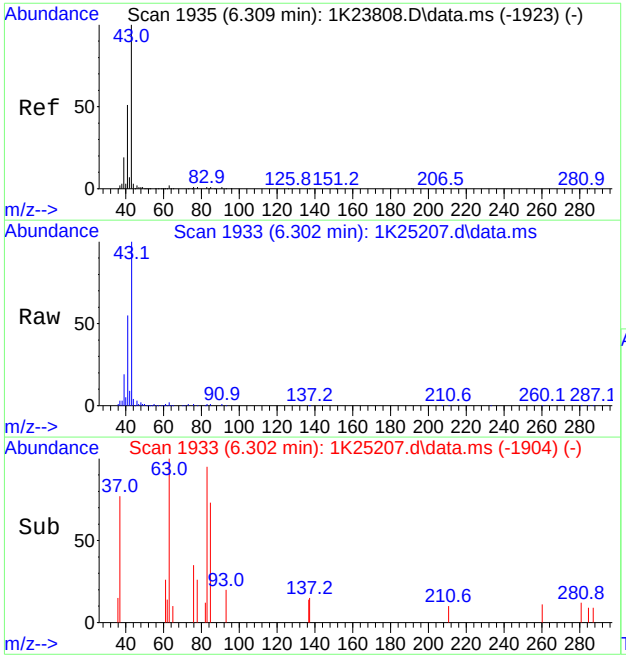


#60
trichloroethene
Concen: 49.7634 ug/L
RT: 5.155 min Scan# 1576
Delta R.T. -0.009 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion:130 Resp: 302799

Ion	Ratio	Lower	Upper
130	100		
132	97.3	66.4	126.4
134	31.5	0.0	59.6

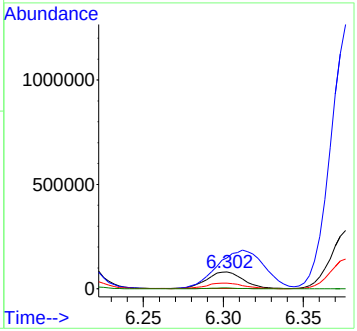


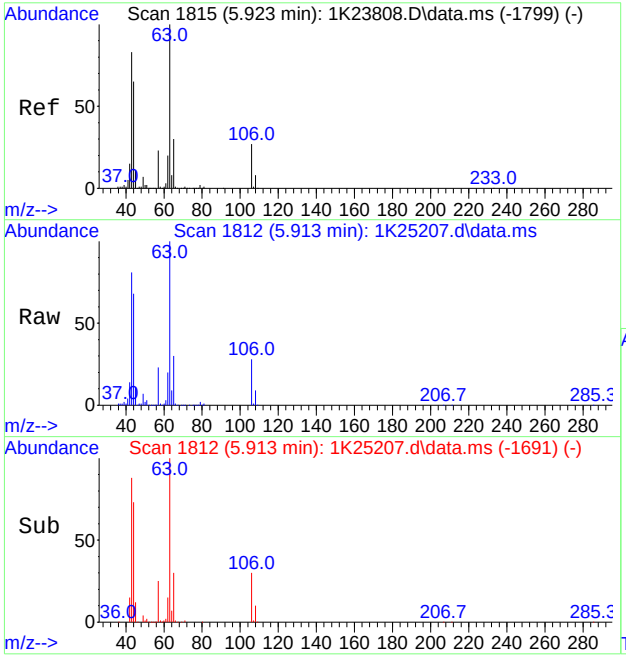


#61
2-nitropropane
Concen: 42.8564 ug/L
RT: 6.302 min Scan# 1933
Delta R.T. -0.007 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion: 41 Resp: 125063

Ion	Ratio	Lower	Upper
41	100		
43	183.5	164.7	224.7
39	33.5	6.3	66.3
46	4.8	0.0	33.8

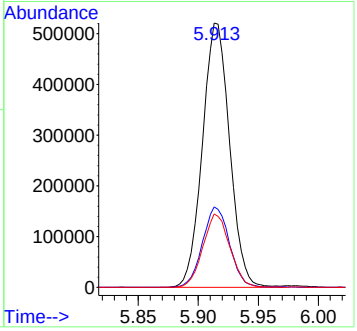


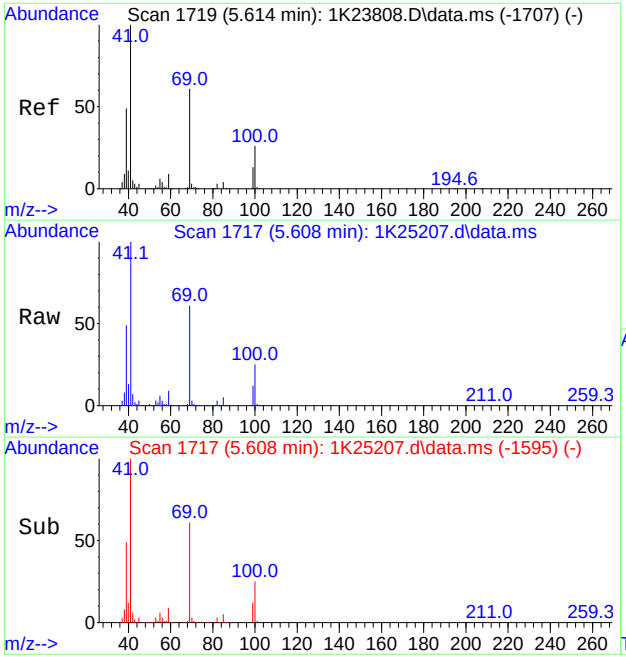


#62
2-chloroethyl vinyl ether
Concen: 189.8574 ug/L
RT: 5.913 min Scan# 1812
Delta R.T. -0.010 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion: 63 Resp: 820957

Ion	Ratio	Lower	Upper
63	100		
65	30.4	0.4	60.4
106	27.7	0.0	57.4

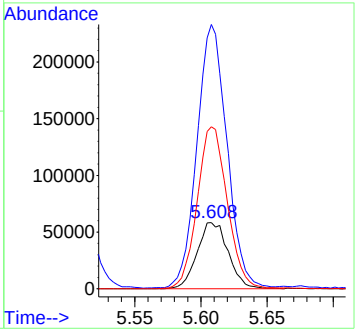


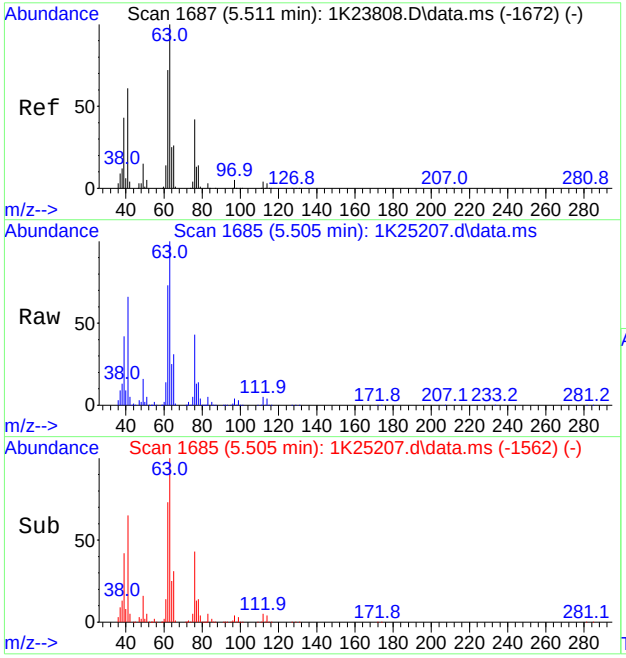


#63
methyl methacrylate
Concen: 45.0319 ug/L
RT: 5.608 min Scan# 1717
Delta R.T. -0.006 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion:100 Resp: 95398

Ion	Ratio	Lower	Upper
100	100		
41	398.7	352.7	412.7
69	244.5	201.8	261.8

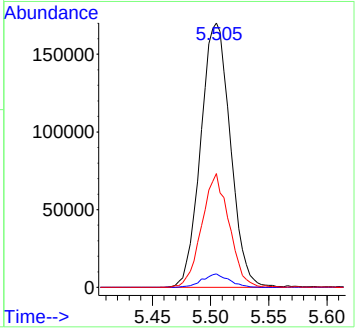


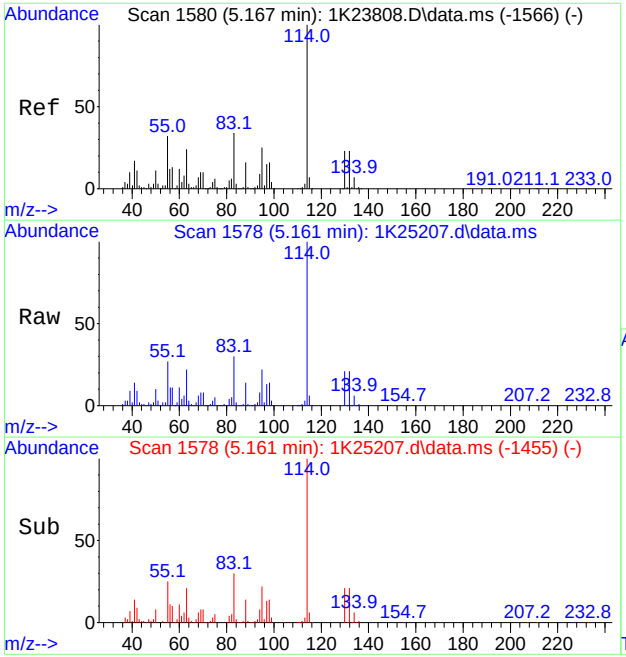


#64
1,2-dichloropropane
Concen: 44.8024 ug/L
RT: 5.505 min Scan# 1685
Delta R.T. -0.006 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion: 63 Resp: 301926

Ion	Ratio	Lower	Upper
63	100		
112	5.1	0.0	34.3
76	43.0	11.5	71.5

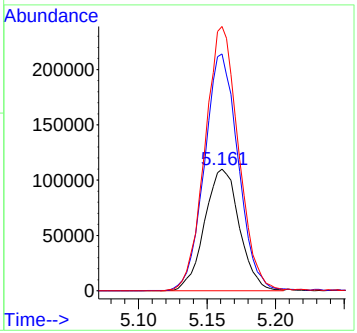


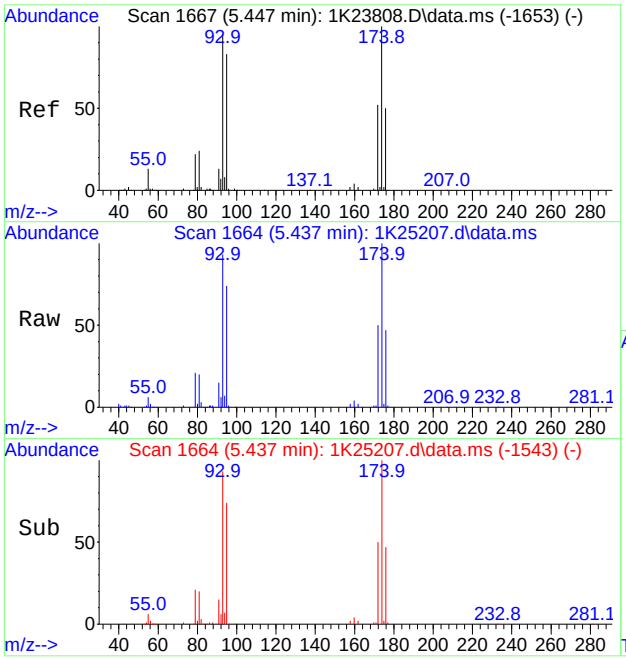


#65
methylcyclohexane
Concen: 44.0748 ug/L
RT: 5.161 min Scan# 1578
Delta R.T. -0.006 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion: 98 Resp: 194131

Ion	Ratio	Lower	Upper
98	100		
55	194.3	162.4	222.4
83	217.1	177.4	237.4

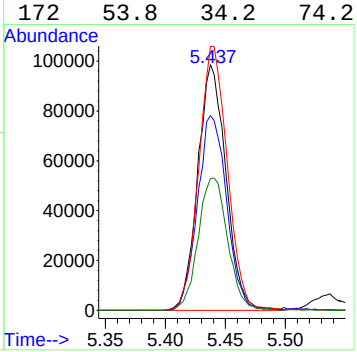


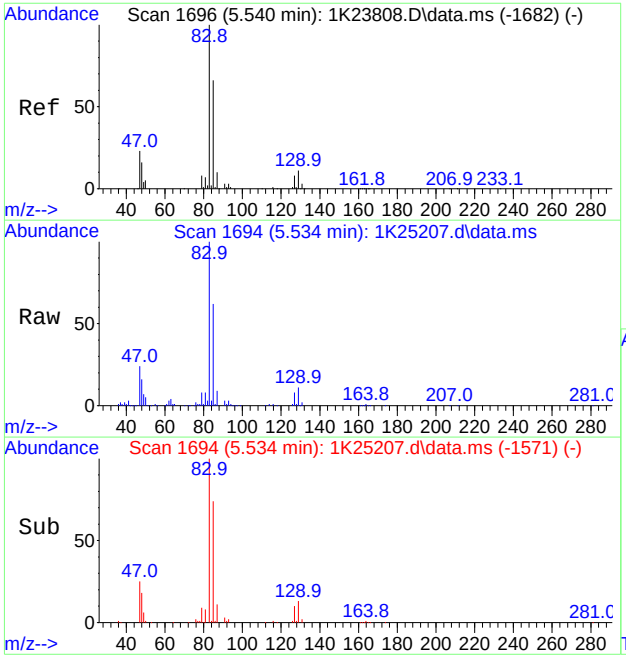


#66
dibromomethane
Concen: 44.1980 ug/L
RT: 5.437 min Scan# 1664
Delta R.T. -0.010 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion: 93 Resp: 160979

Ion	Ratio	Lower	Upper
93	100		
95	79.3	57.5	117.5
174	107.6	75.1	135.1
172	53.8	34.2	74.2

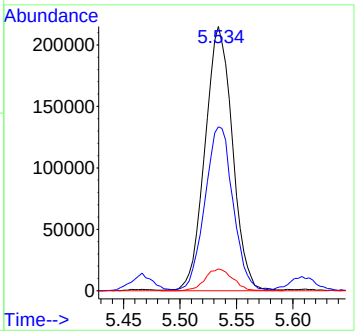


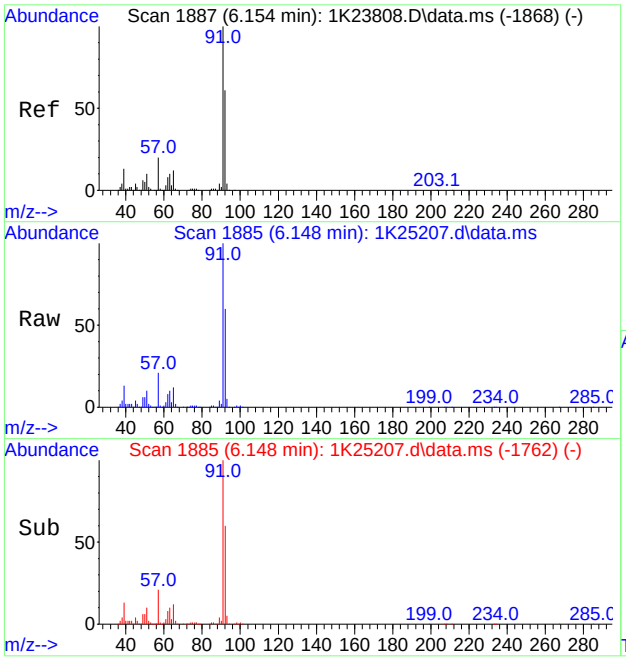


#67
bromodichloromethane
Concen: 44.0959 ug/L
RT: 5.534 min Scan# 1694
Delta R.T. -0.006 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion: 83 Resp: 362781

Ion	Ratio	Lower	Upper
83	100		
85	60.6	35.5	95.5
127	8.3	0.0	37.9

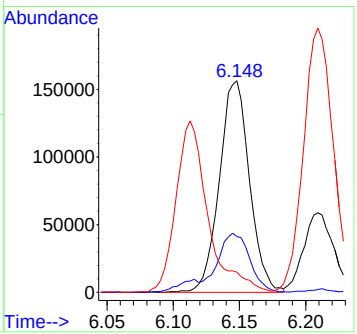


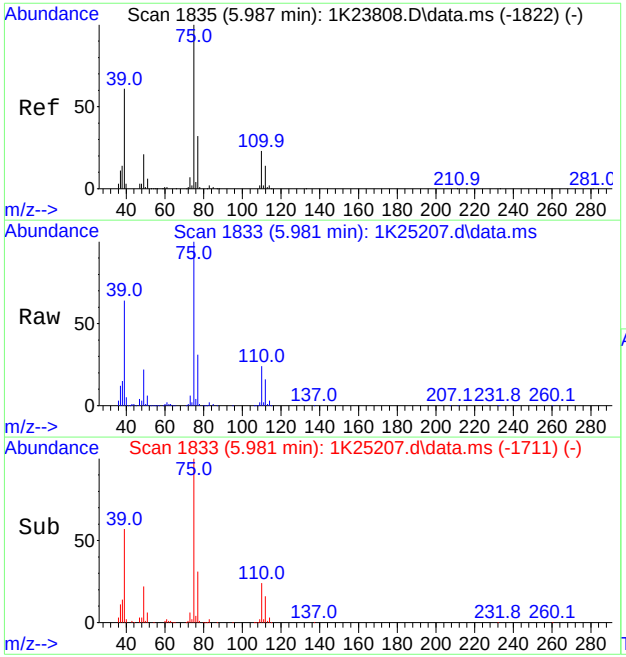


#68
epichlorohydrin
Concen: 249.4894 ug/L
RT: 6.148 min Scan# 1885
Delta R.T. -0.006 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion: 57 Resp: 247299

Ion	Ratio	Lower	Upper
57	100		
49	26.1	8.2	48.2
42	5.5	0.0	27.5

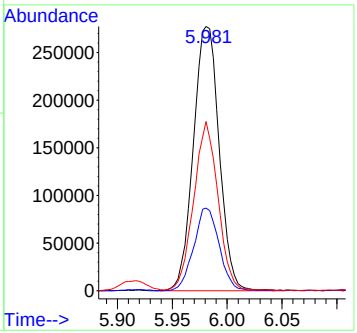


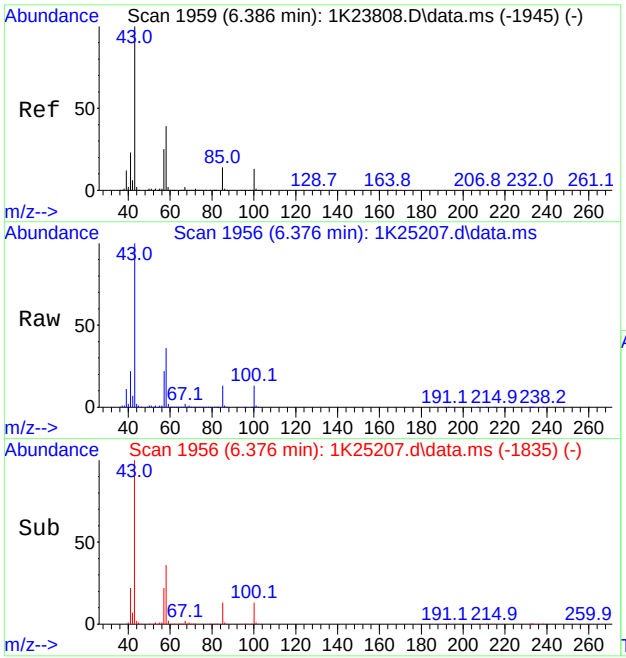


#69
cis-1,3-dichloropropene
Concen: 45.2531 ug/L
RT: 5.981 min Scan# 1833
Delta R.T. -0.006 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion: 75 Resp: 455231

Ion	Ratio	Lower	Upper
75	100		
77	31.3	2.2	62.2
39	64.0	31.6	91.6

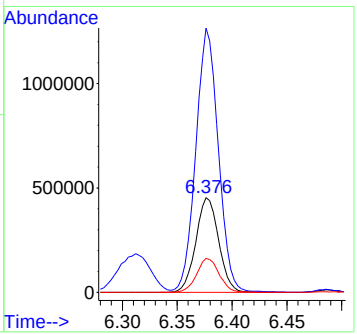


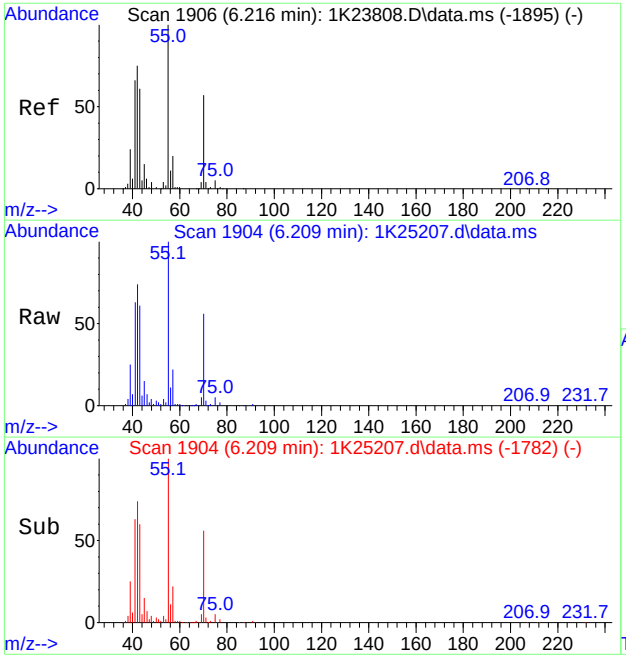


#70
4-methyl-2-pentanone
Concen: 170.1412 ug/L
RT: 6.376 min Scan# 1956
Delta R.T. -0.010 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion: 58 Resp: 657413

Ion	Ratio	Lower	Upper
58	100		
43	278.8	235.3	295.3
100	35.8	2.2	62.2

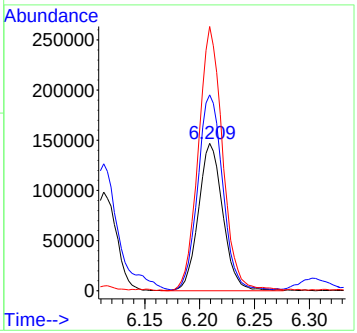


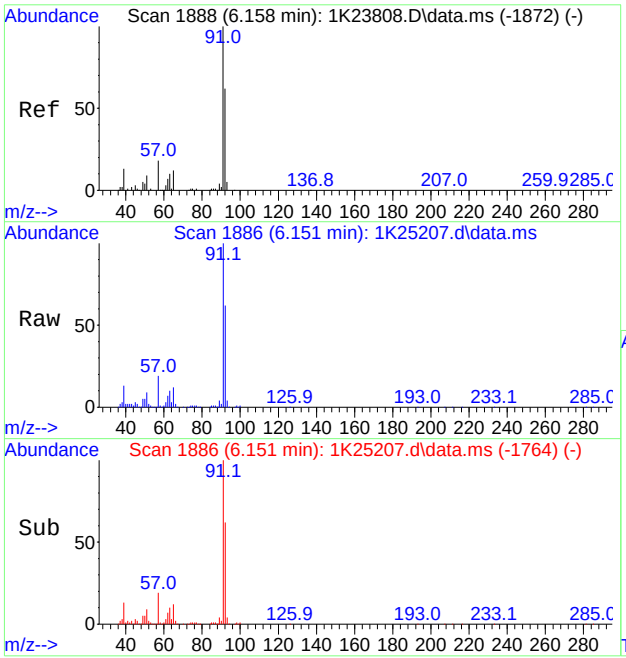


#71
3-methyl-1-butanol
Concen: 1302.6442 ug/L
RT: 6.209 min Scan# 1904
Delta R.T. -0.007 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion: 70 Resp: 227800

Ion	Ratio	Lower	Upper
70	100		
42	131.8	103.4	163.4
55	179.0	146.9	206.9

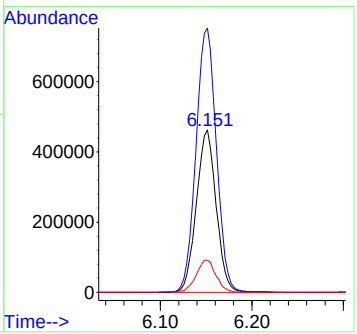


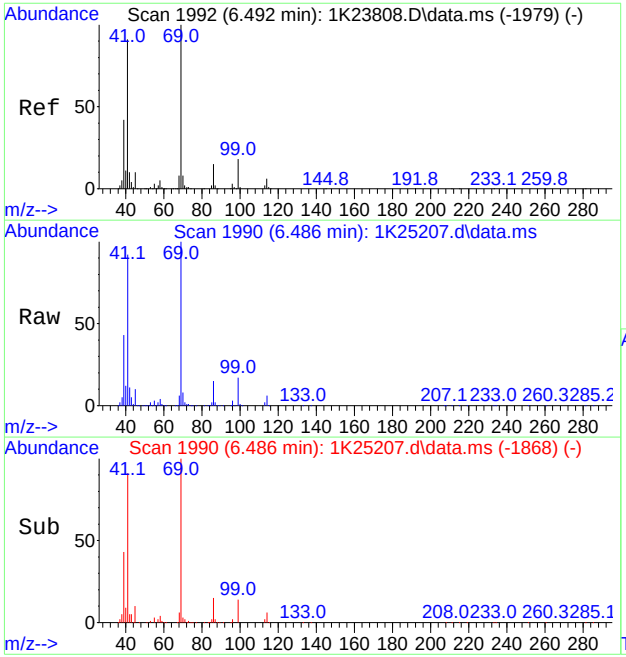


#74
toluene
Concen: 45.6303 ug/L
RT: 6.151 min Scan# 1886
Delta R.T. -0.007 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion: 92 Resp: 695462

Ion	Ratio	Lower	Upper
92	100		
91	162.6	140.0	180.0
65	19.6	0.0	39.6

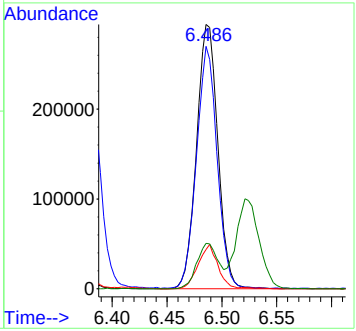


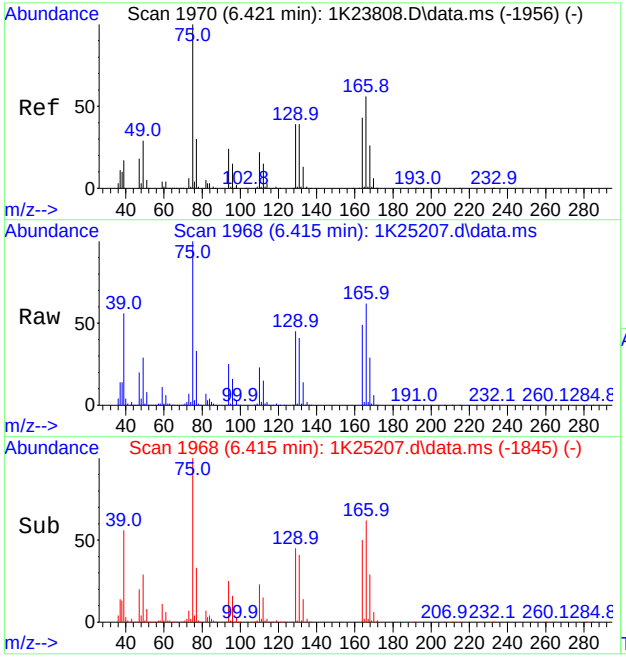


#75
ethyl methacrylate
Concen: 44.3880 ug/L
RT: 6.486 min Scan# 1990
Delta R.T. -0.006 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion: 69 Resp: 396913

Ion	Ratio	Lower	Upper
69	100		
41	91.5	71.2	111.2
86	14.9	0.0	35.1
99	17.2	0.0	38.4

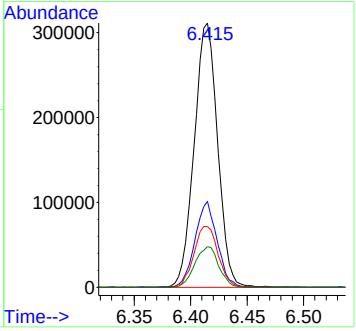


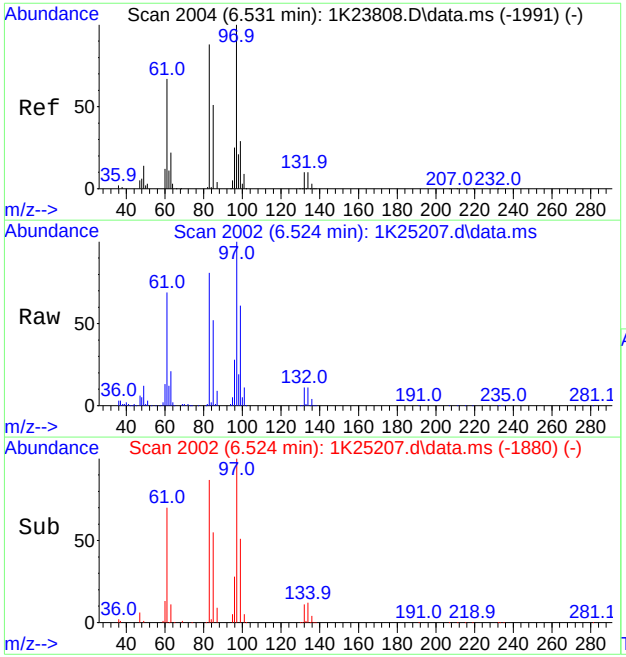


#76
trans-1,3-dichloropropene
Concen: 45.4349 ug/L
RT: 6.415 min Scan# 1968
Delta R.T. -0.006 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion: 75 Resp: 448655

Ion	Ratio	Lower	Upper
75	100		
77	32.4	10.4	50.4
110	23.0	2.4	42.4
112	15.4	0.0	34.7

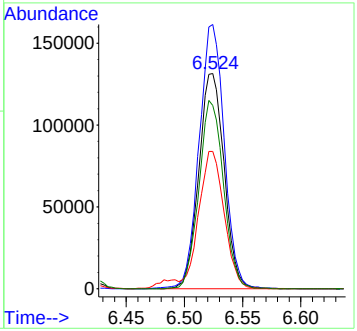


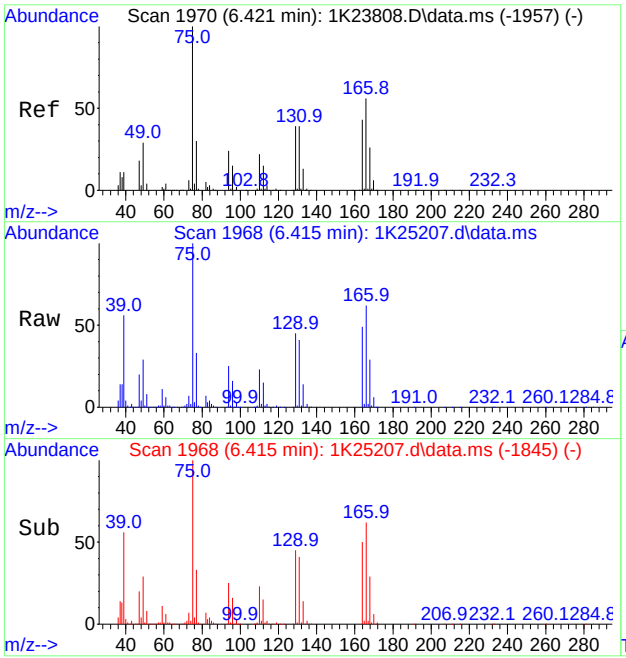


#77
1,1,2-trichloroethane
Concen: 46.2110 ug/L
RT: 6.524 min Scan# 2002
Delta R.T. -0.007 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion: 83 Resp: 199533

Ion	Ratio	Lower	Upper
83	100		
97	122.6	94.4	134.4
85	63.6	41.5	81.5
61	85.1	56.0	96.0

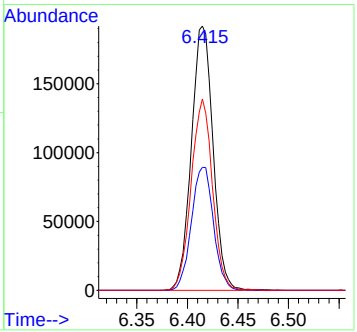


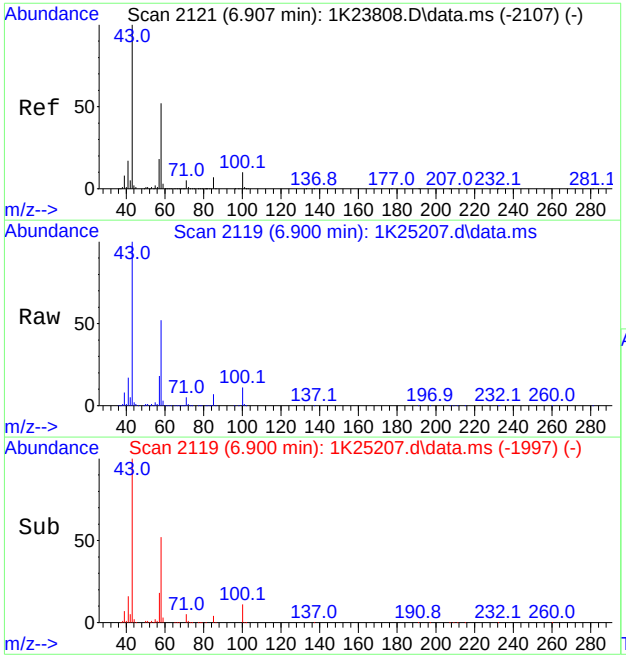


#78
tetrachloroethene
Concen: 48.5905 ug/L
RT: 6.415 min Scan# 1968
Delta R.T. -0.006 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion:166 Resp: 287713

Ion	Ratio	Lower	Upper
166	100		
168	46.6	17.0	77.0
129	72.4	39.8	99.8

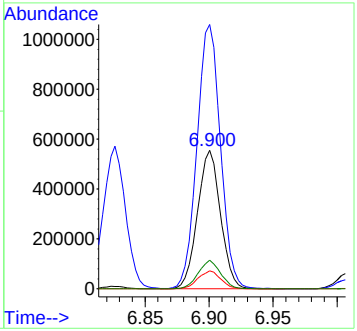


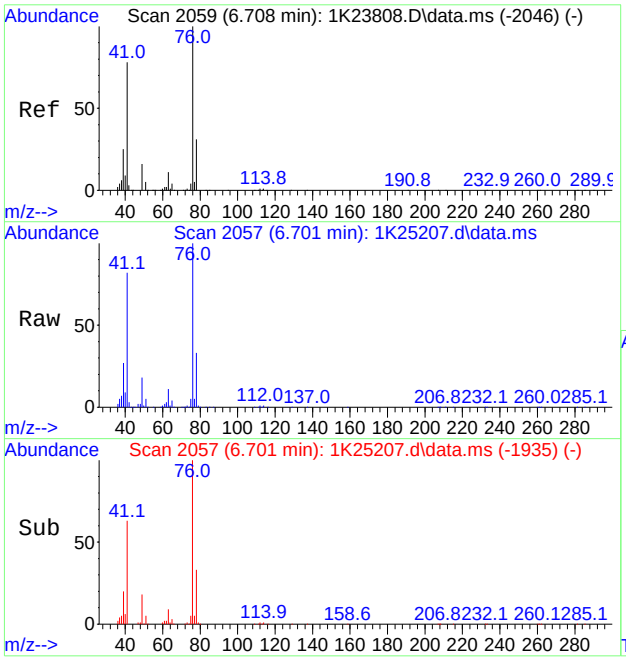


#79
2-hexanone
Concen: 172.7567 ug/L
RT: 6.900 min Scan# 2119
Delta R.T. -0.007 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion: 58 Resp: 693047

Ion	Ratio	Lower	Upper
58	100		
43	190.9	172.5	212.5
85	13.0	0.0	32.5
100	20.8	0.0	39.5

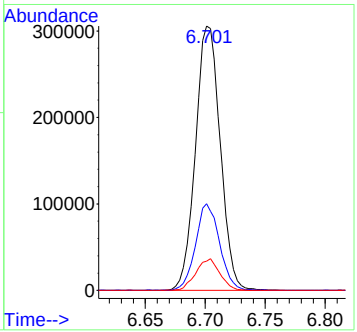


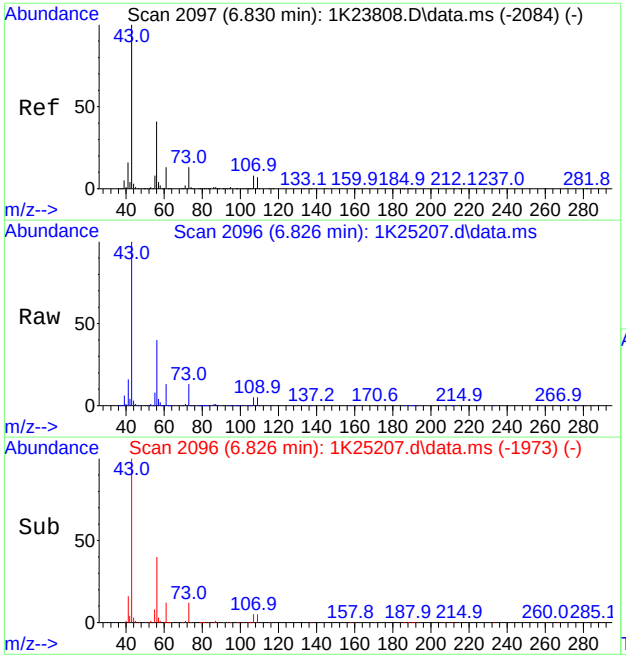


#80
1,3-dichloropropane
Concen: 45.4115 ug/L
RT: 6.701 min Scan# 2057
Delta R.T. -0.007 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion: 76 Resp: 439039

Ion	Ratio	Lower	Upper
76	100		
78	32.7	0.6	60.6
63	11.1	0.0	41.5

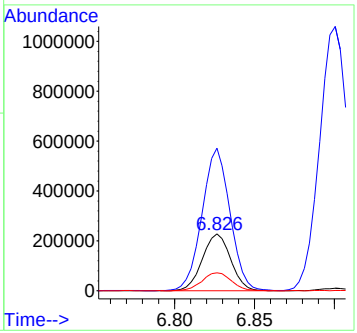


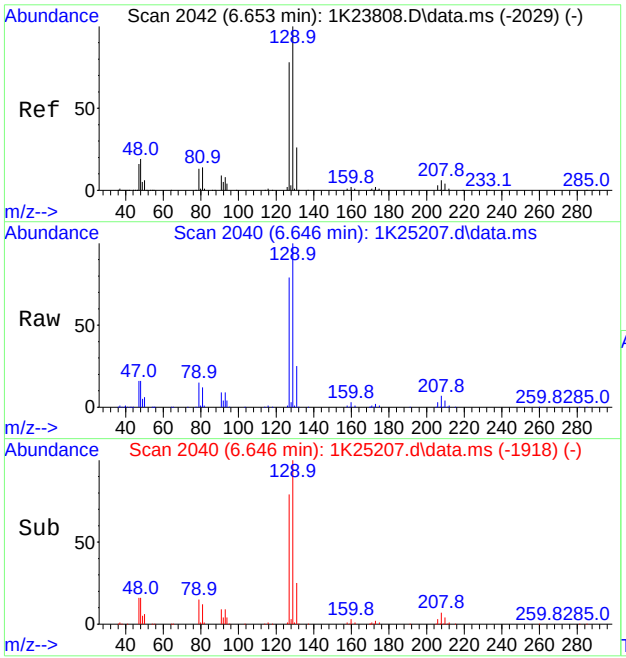


#81
butyl acetate
Concen: 43.2545 ug/L
RT: 6.826 min Scan# 2096
Delta R.T. -0.004 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion: 56 Resp: 281259

Ion	Ratio	Lower	Upper
56	100		
43	250.6	215.3	275.3
73	31.6	2.2	62.2

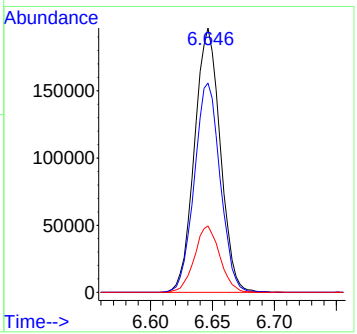


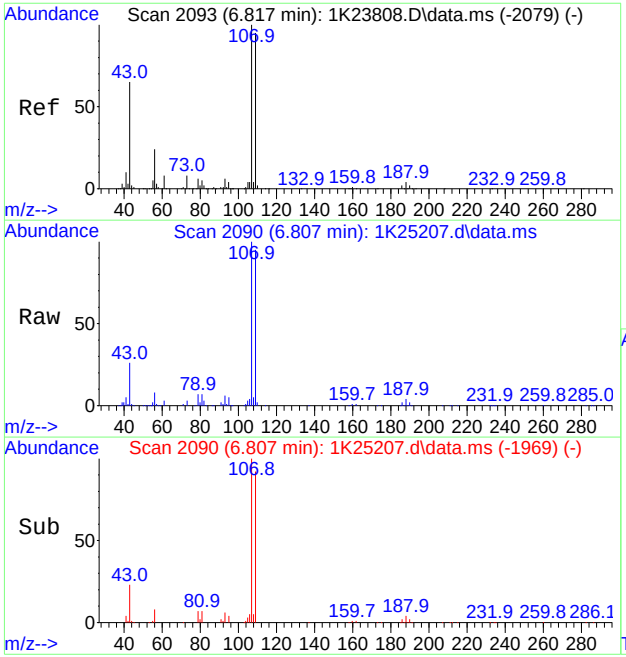


#82
dibromochloromethane
Concen: 46.7900 ug/L
RT: 6.646 min Scan# 2040
Delta R.T. -0.007 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion:129 Resp: 284364

Ion	Ratio	Lower	Upper
129	100		
127	79.2	47.8	107.8
131	25.1	0.0	55.8

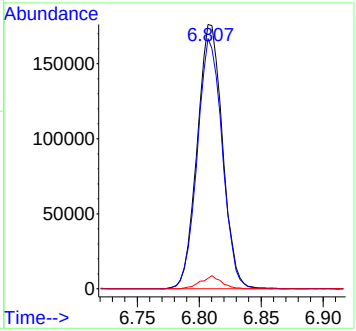


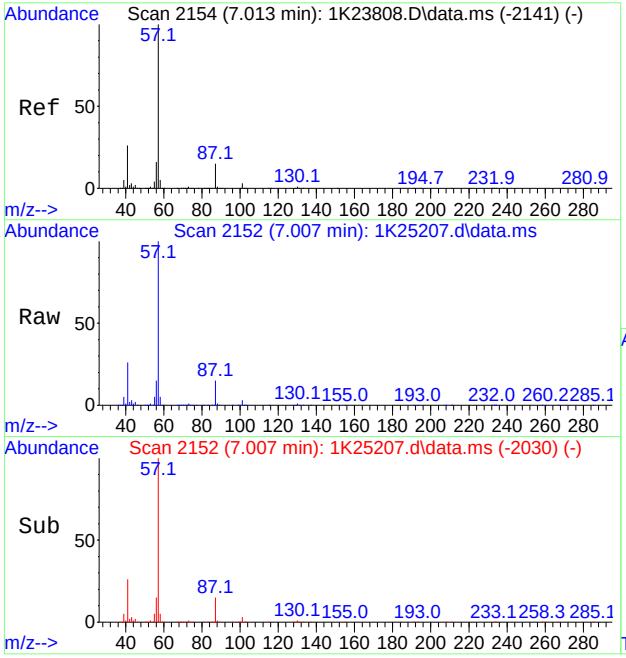


#83
1,2-dibromoethane
Concen: 45.7423 ug/L
RT: 6.807 min Scan# 2090
Delta R.T. -0.010 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion:107 Resp: 249817

Ion	Ratio	Lower	Upper
107	100		
109	94.6	65.3	125.3
188	4.0	0.0	33.6

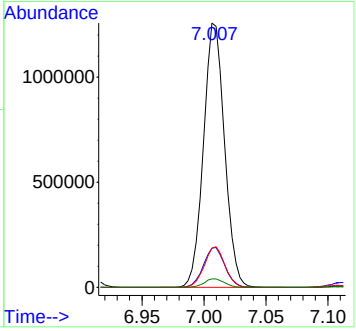


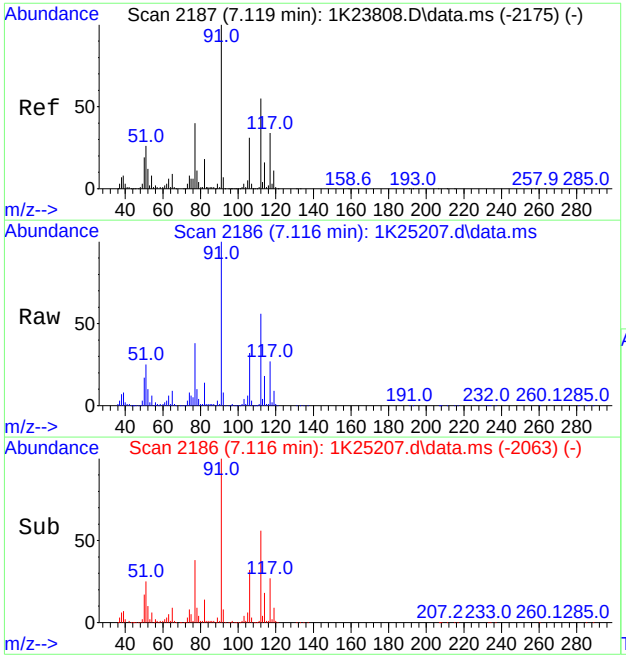


#84
n-butyl ether
Concen: 46.3515 ug/L
RT: 7.007 min Scan# 2152
Delta R.T. -0.006 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion: 57 Resp: 1485939

Ion	Ratio	Lower	Upper
57	100		
56	14.8	0.0	45.7
87	14.8	0.0	44.9
101	3.2	0.0	33.4

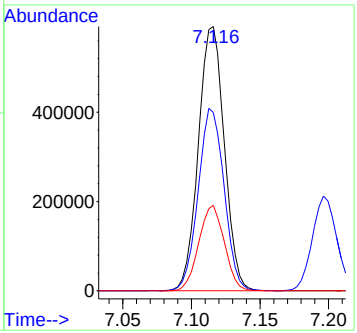


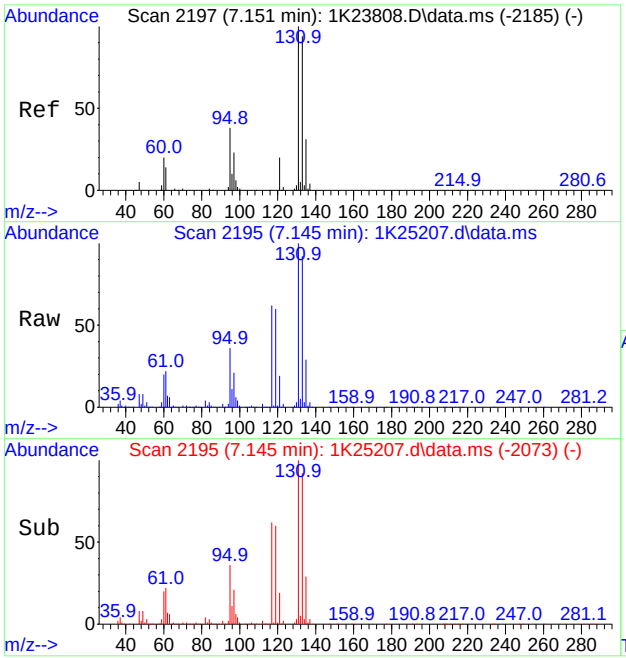


#85
chlorobenzene
Concen: 49.4718 ug/L
RT: 7.116 min Scan# 2186
Delta R.T. -0.003 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion:112 Resp: 779994

Ion	Ratio	Lower	Upper
112	100		
77	67.4	43.7	103.7
114	32.4	0.0	59.8

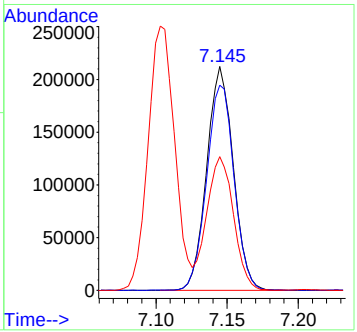


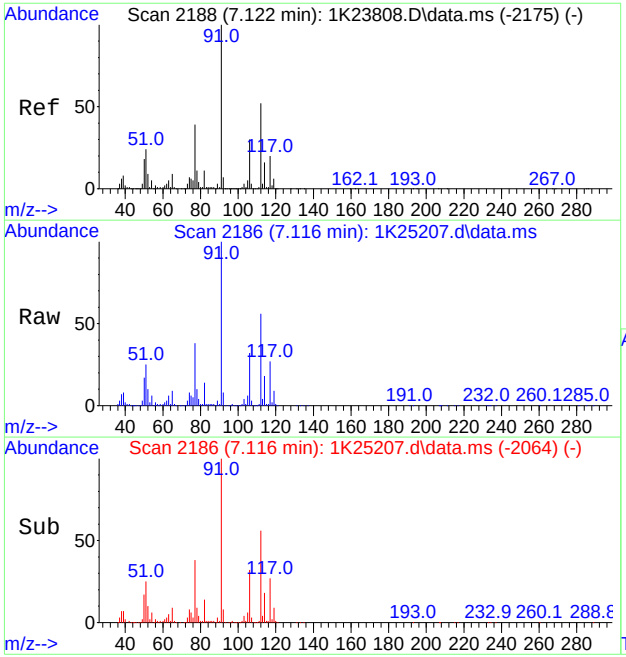


#86
1,1,1,2-tetrachloroethane
Concen: 47.4525 ug/L
RT: 7.145 min Scan# 2195
Delta R.T. -0.006 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion:131 Resp: 275376

Ion	Ratio	Lower	Upper
131	100		
133	91.5	64.3	124.3
119	59.4	27.7	87.7

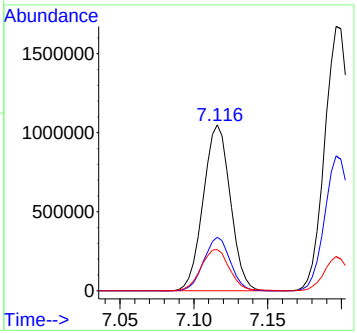


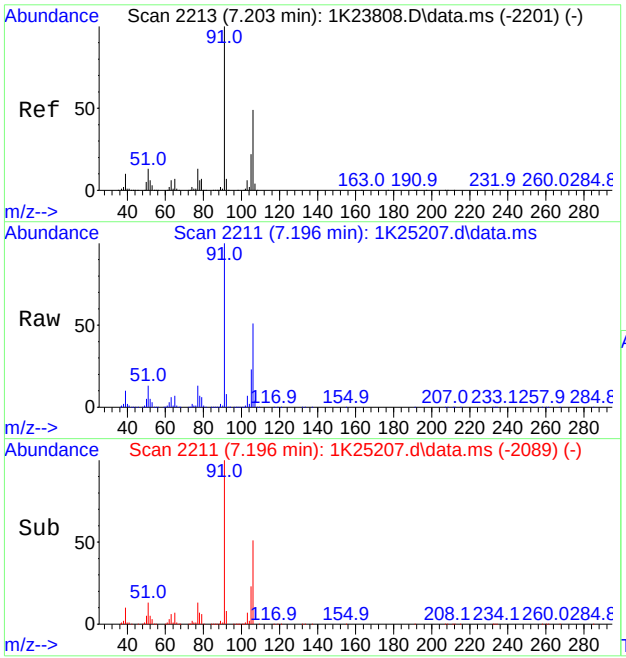


#87
ethylbenzene
Concen: 46.1165 ug/L
RT: 7.116 min Scan# 2186
Delta R.T. -0.006 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion: 91 Resp: 1334404

Ion	Ratio	Lower	Upper
91	100		
106	32.3	0.3	60.3
51	24.9	0.0	54.3

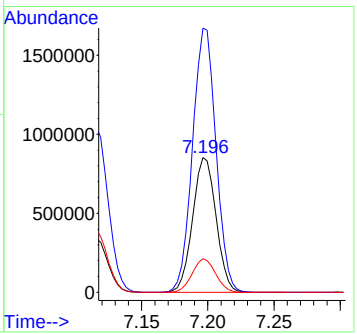


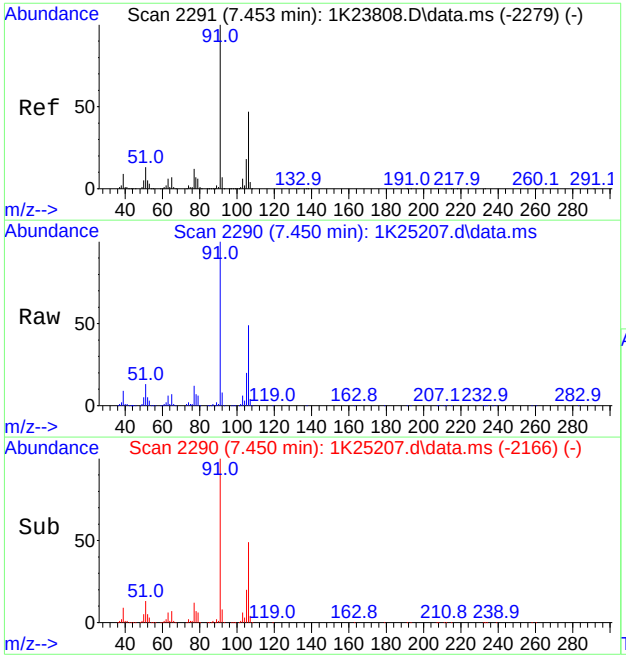


#88
m,p-xylene
Concen: 96.6952 ug/L
RT: 7.196 min Scan# 2211
Delta R.T. -0.007 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion:106 Resp: 1050495

Ion	Ratio	Lower	Upper
106	100		
91	196.1	176.0	236.0
77	24.9	5.9	45.9

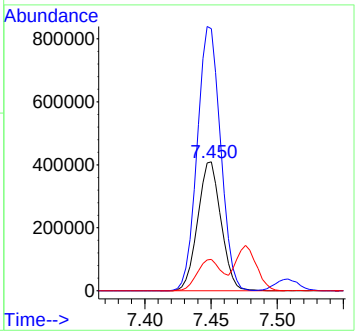


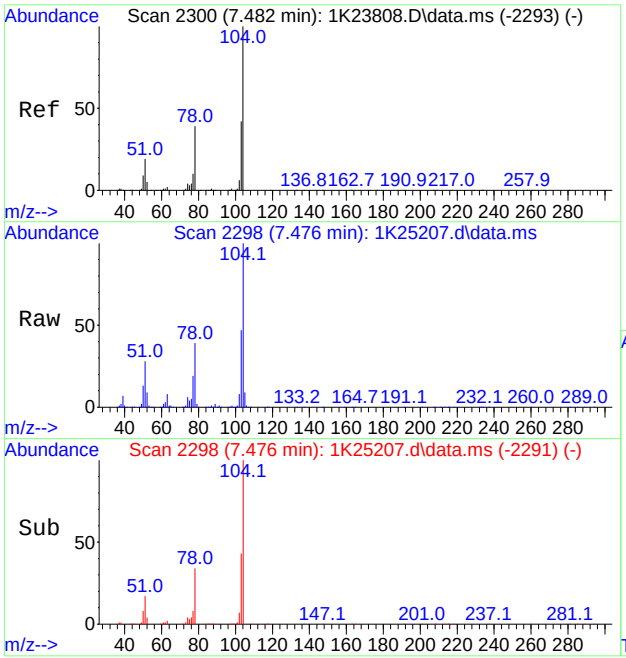


#89
o-xylene
Concen: 48.2537 ug/L
RT: 7.450 min Scan# 2290
Delta R.T. -0.003 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion:106 Resp: 501350

Ion	Ratio	Lower	Upper
106	100		
91	203.3	183.9	243.9
77	24.4	5.0	45.0

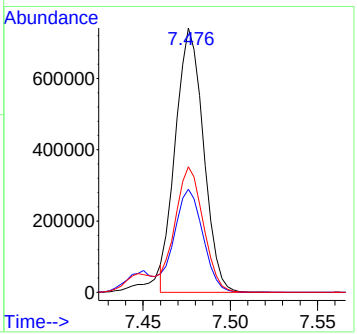


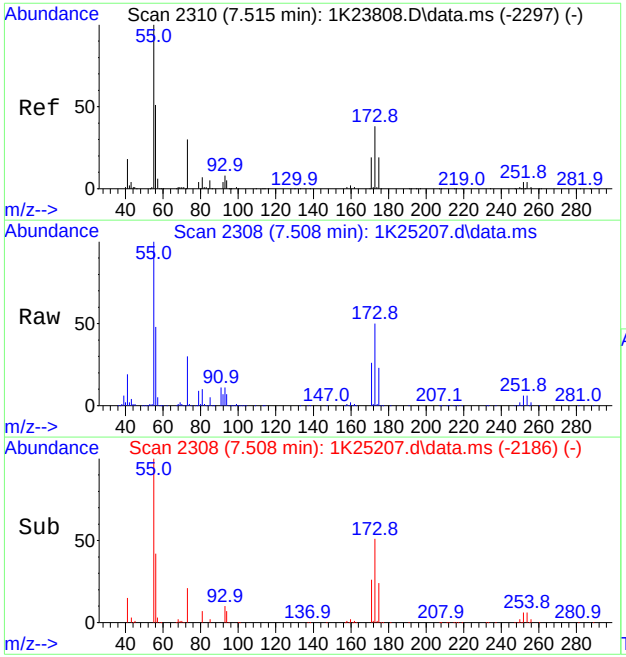


#90
styrene
Concen: 47.1159 ug/L
RT: 7.476 min Scan# 2298
Delta R.T. -0.006 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion:104 Resp: 827020

Ion	Ratio	Lower	Upper
104	100		
78	39.0	13.8	73.8
103	47.4	16.3	76.3

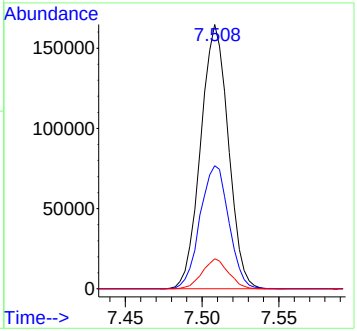


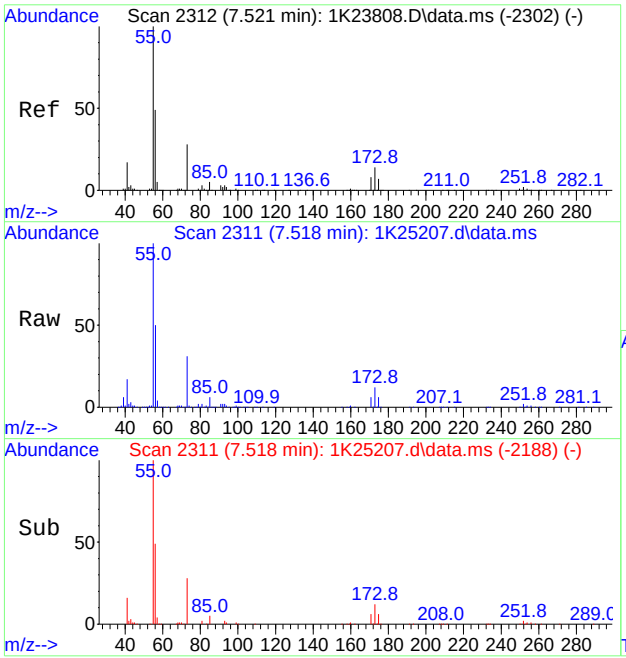


#91
bromoform
Concen: 47.6011 ug/L
RT: 7.508 min Scan# 2308
Delta R.T. -0.007 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion:173 Resp: 206205

Ion	Ratio	Lower	Upper
173	100		
175	46.6	20.6	80.6
254	11.3	0.0	39.4

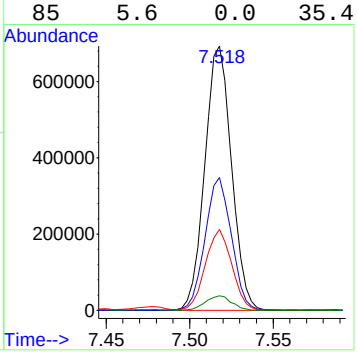


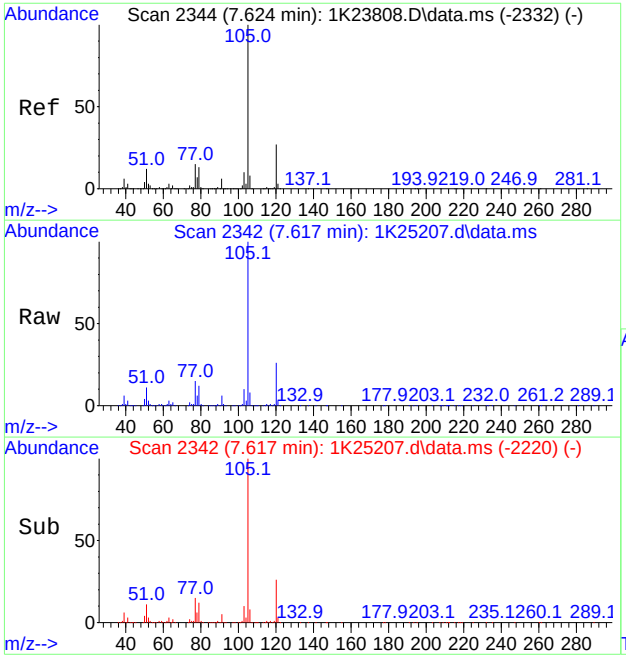


#92
butyl acrylate
Concen: 45.5661 ug/L
RT: 7.518 min Scan# 2311
Delta R.T. -0.003 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion: 55 Resp: 770832

Ion	Ratio	Lower	Upper
55	100		
56	50.2	19.2	79.2
73	30.6	0.0	59.1
85	5.6	0.0	35.4

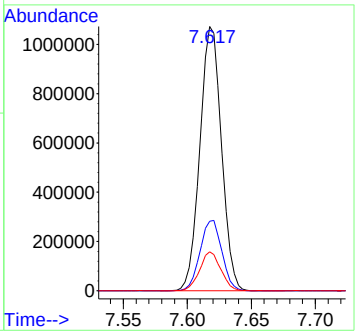


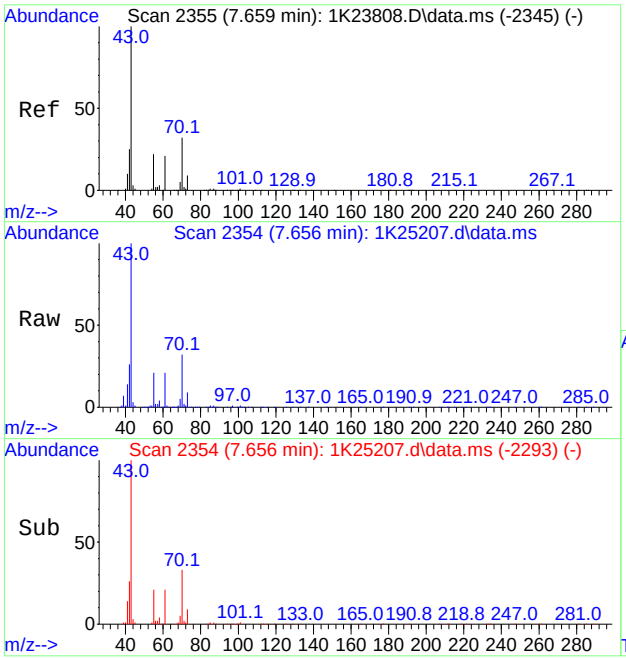


#93
isopropylbenzene
Concen: 48.8195 ug/L
RT: 7.617 min Scan# 2342
Delta R.T. -0.007 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion:105 Resp: 1258523

Ion	Ratio	Lower	Upper
105	100		
120	26.4	7.4	47.4
77	14.7	0.0	35.4

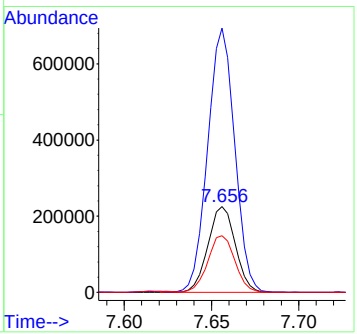




#94
n-amyl acetate
Concen: 44.3028 ug/L
RT: 7.656 min Scan# 2354
Delta R.T. -0.003 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

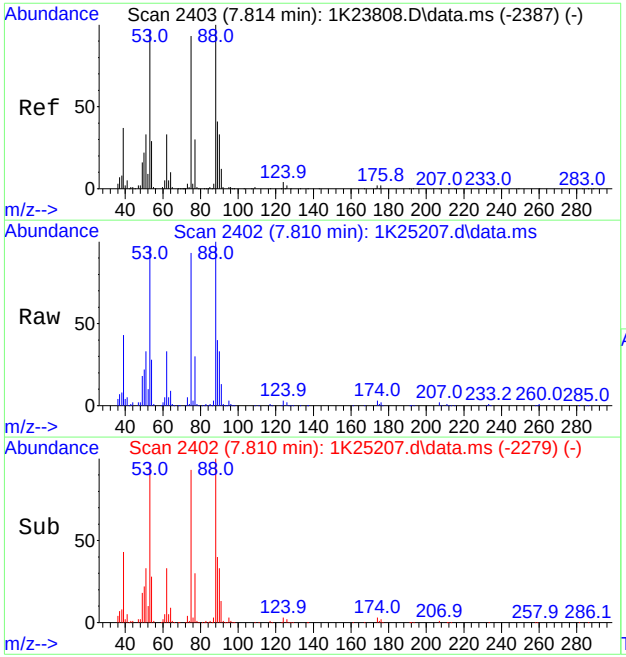
Tgt Ion: 70 Resp: 246121

Ion	Ratio	Lower	Upper
70	100		
43	307.7	293.9	333.9
61	65.9	48.4	88.4



7.6.13

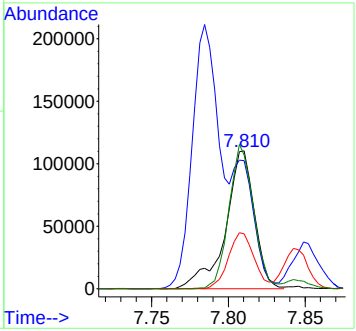
7

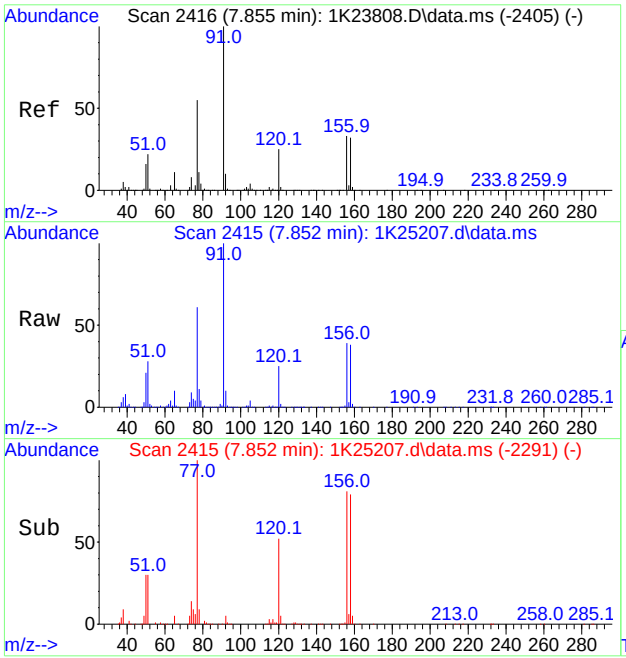


#95
cis-1,4-dichloro-2-butene
Concen: 37.1220 ug/L
RT: 7.810 min Scan# 2402
Delta R.T. -0.004 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion: 88 Resp: 144878

Ion	Ratio	Lower	Upper
88	100		
75	92.6	72.9	112.9
89	40.0	20.6	60.6
53	97.1	76.9	116.9

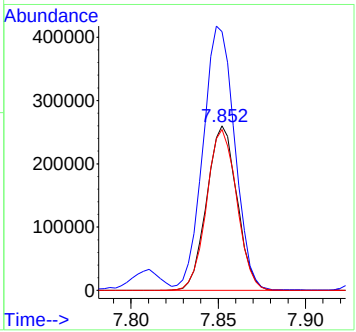


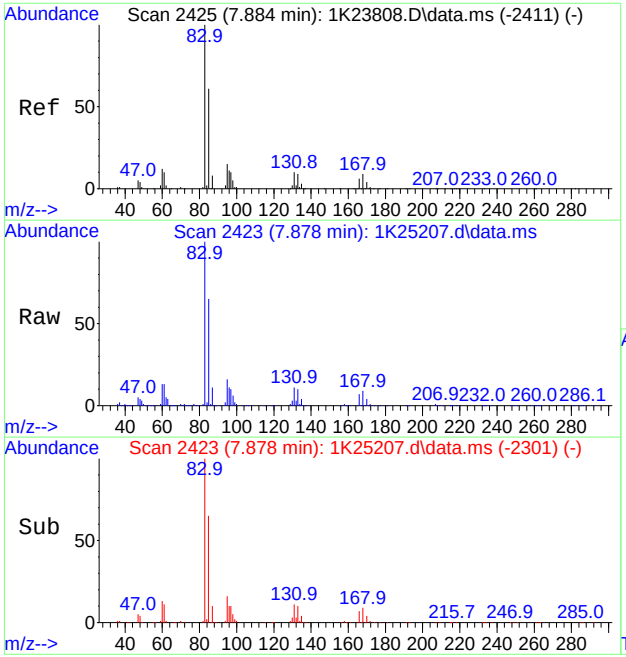


#98
bromobenzene
Concen: 46.8517 ug/L
RT: 7.852 min Scan# 2415
Delta R.T. -0.003 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion:156 Resp: 313310

Ion	Ratio	Lower	Upper
156	100		
77	156.8	150.1	210.1
158	97.8	66.6	126.6

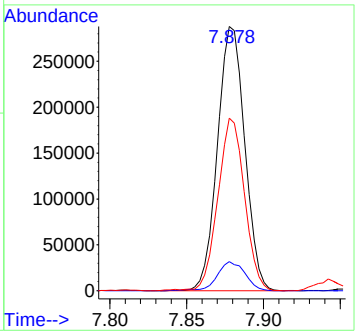


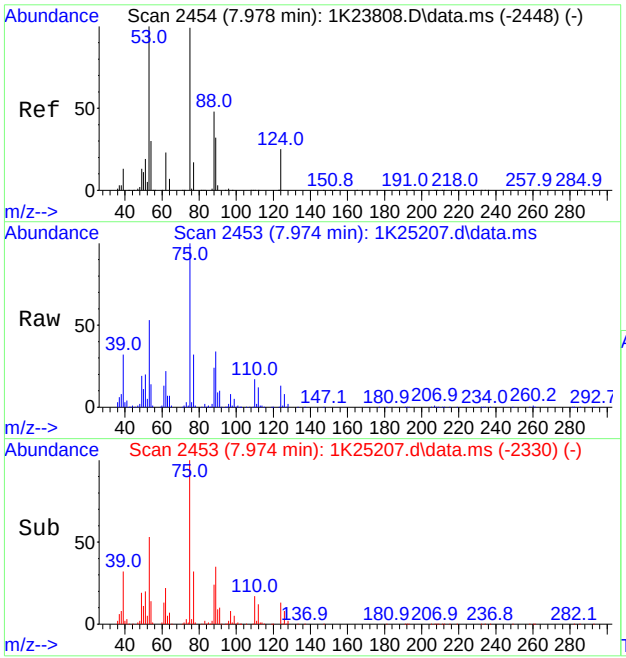


#99
1,1,2,2-tetrachloroethane
Concen: 42.7234 ug/L
RT: 7.878 min Scan# 2423
Delta R.T. -0.006 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion: 83 Resp: 355868

Ion	Ratio	Lower	Upper
83	100		
131	11.1	0.0	40.0
85	65.3	31.1	91.1

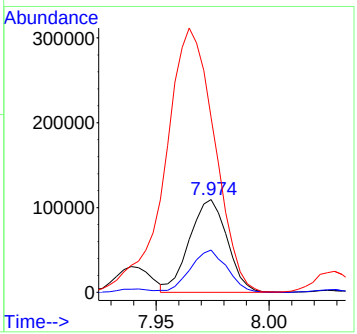


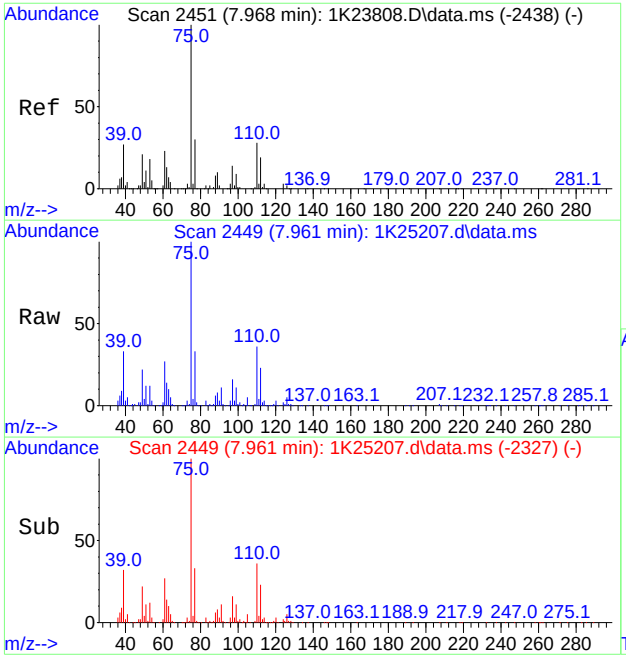


#100
trans-1,4-dichloro-2-butene
Concen: 34.0129 ug/L
RT: 7.974 min Scan# 2453
Delta R.T. -0.004 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion: 53 Resp: 127080

Ion	Ratio	Lower	Upper
53	100		
88	45.7	17.1	77.1
75	187.8	162.2	222.2

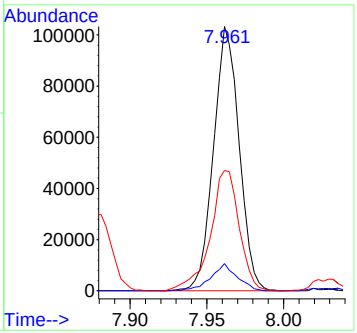


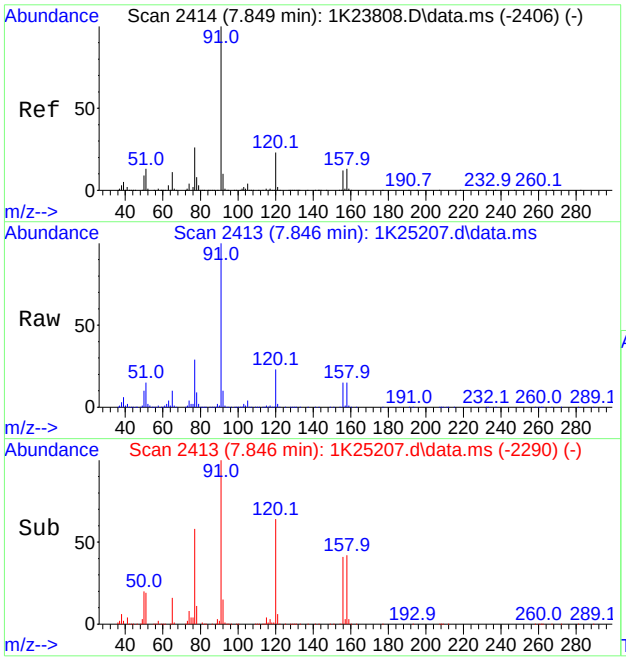


#101
1,2,3-trichloropropane
Concen: 43.0361 ug/L
RT: 7.961 min Scan# 2449
Delta R.T. -0.007 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion:110 Resp: 119882

Ion	Ratio	Lower	Upper
110	100		
111	10.3	0.0	39.1
97	45.5	20.8	80.8

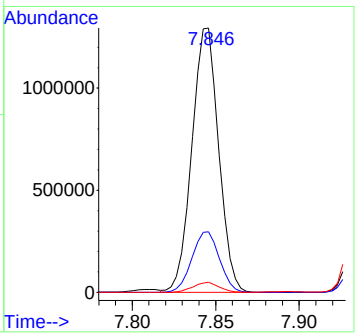


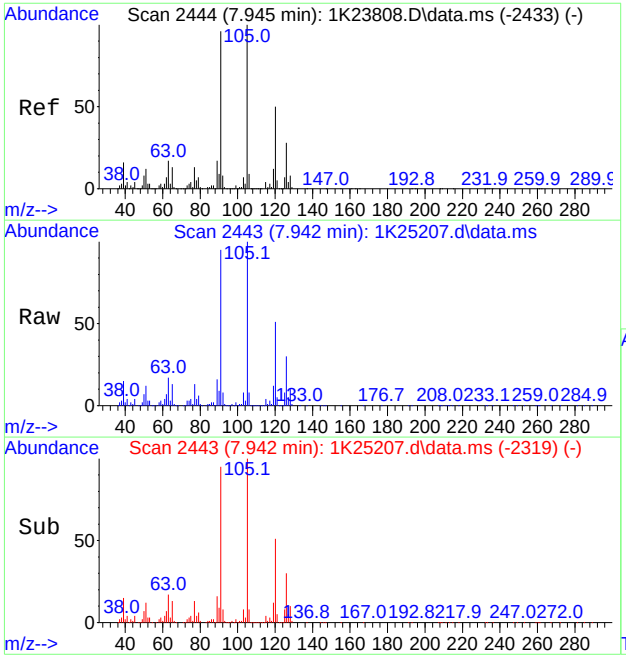


#102
n-propylbenzene
Concen: 46.5456 ug/L
RT: 7.846 min Scan# 2413
Delta R.T. -0.003 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion: 91 Resp: 1443600

Ion	Ratio	Lower	Upper
91	100		
120	22.9	0.0	52.5
105	3.8	0.0	33.5

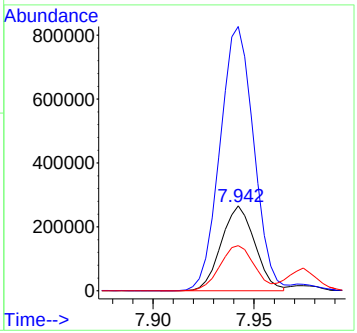


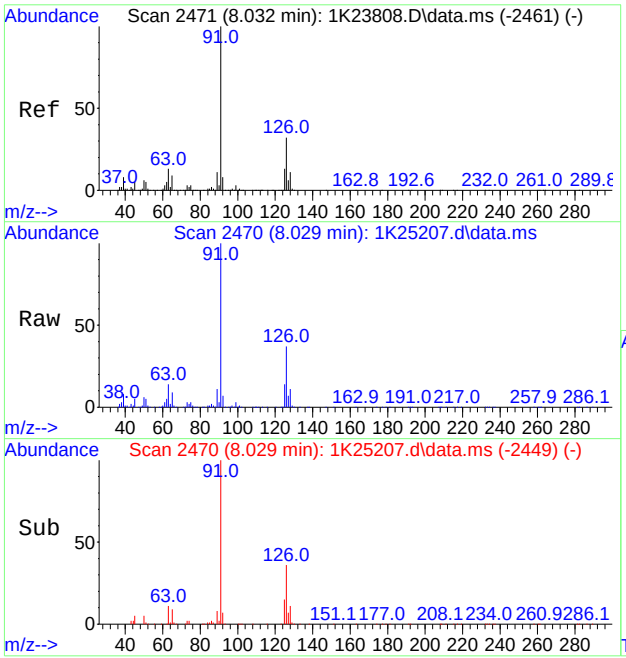


#103
2-chlorotoluene
Concen: 48.7409 ug/L
RT: 7.942 min Scan# 2443
Delta R.T. -0.003 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion:126 Resp: 307443

Ion	Ratio	Lower	Upper
126	100		
91	310.8	316.4	376.4#
89	53.0	33.0	93.0

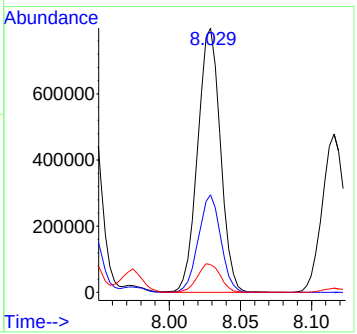


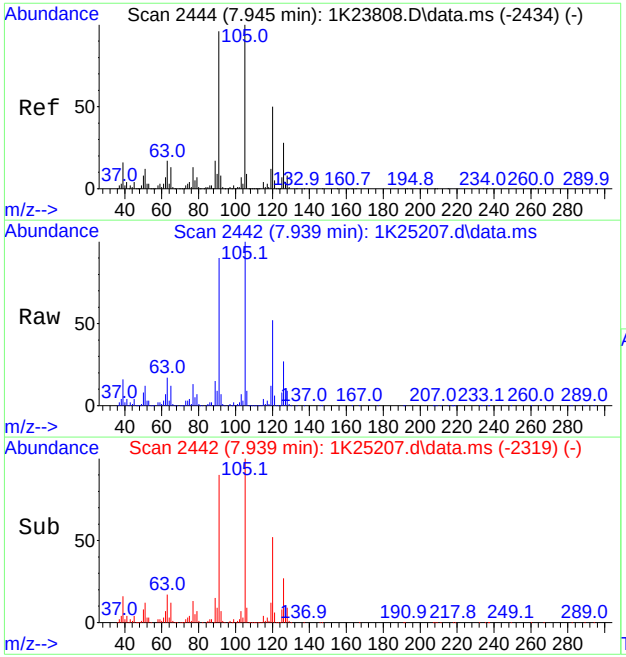


#104
4-chlorotoluene
Concen: 43.5659 ug/L
RT: 8.029 min Scan# 2470
Delta R.T. -0.003 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion: 91 Resp: 886565

Ion	Ratio	Lower	Upper
91	100		
126	36.9	2.1	62.1
89	10.5	0.0	41.4

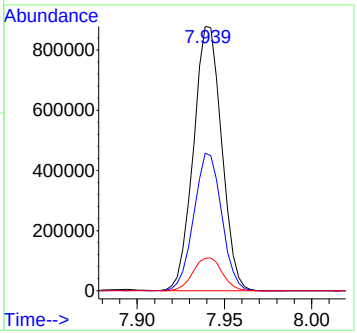


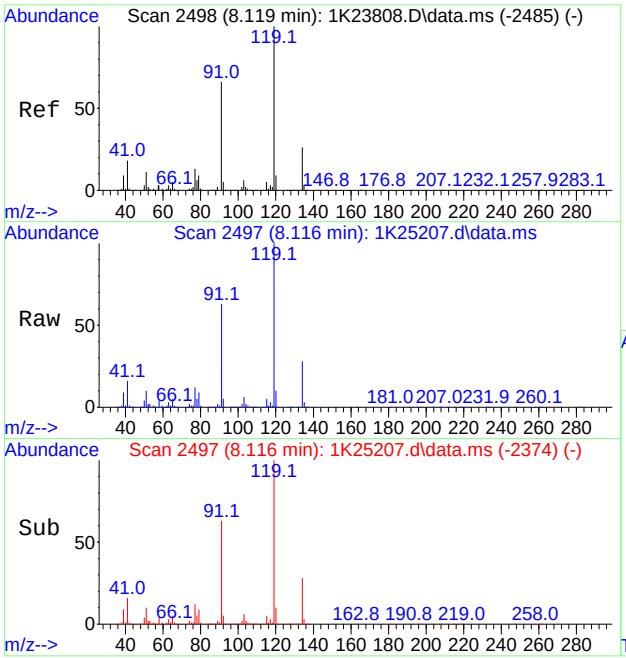


#105
1,3,5-trimethylbenzene
Concen: 46.6045 ug/L
RT: 7.939 min Scan# 2442
Delta R.T. -0.006 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion:105 Resp: 988366

Ion	Ratio	Lower	Upper
105	100		
120	52.0	20.0	80.0
119	12.3	0.0	41.7

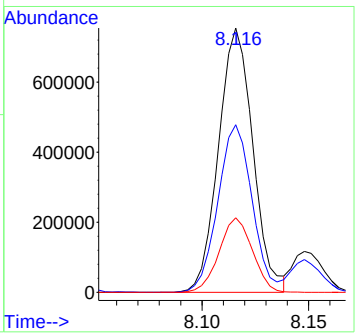


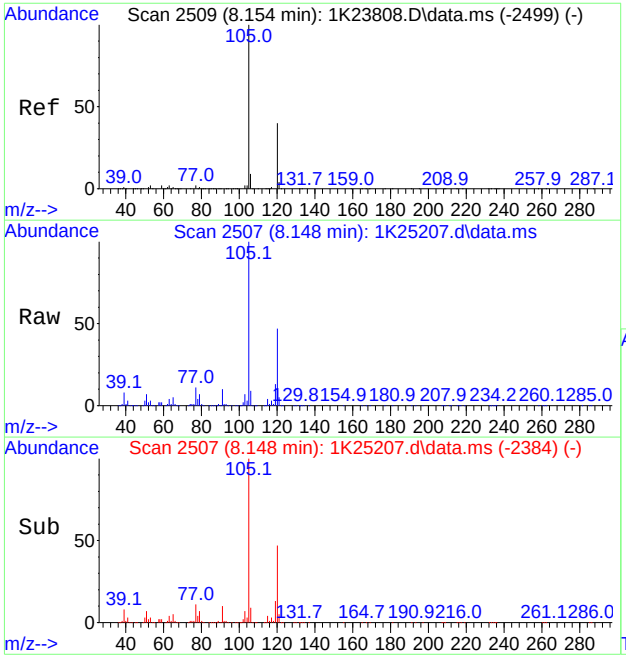


#106
tert-butylbenzene
Concen: 46.6089 ug/L
RT: 8.116 min Scan# 2497
Delta R.T. -0.003 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion:119 Resp: 848602

Ion	Ratio	Lower	Upper
119	100		
91	63.4	36.3	96.3
134	28.2	0.0	56.2

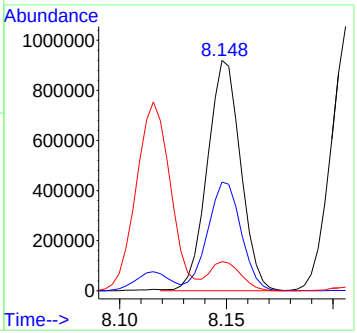


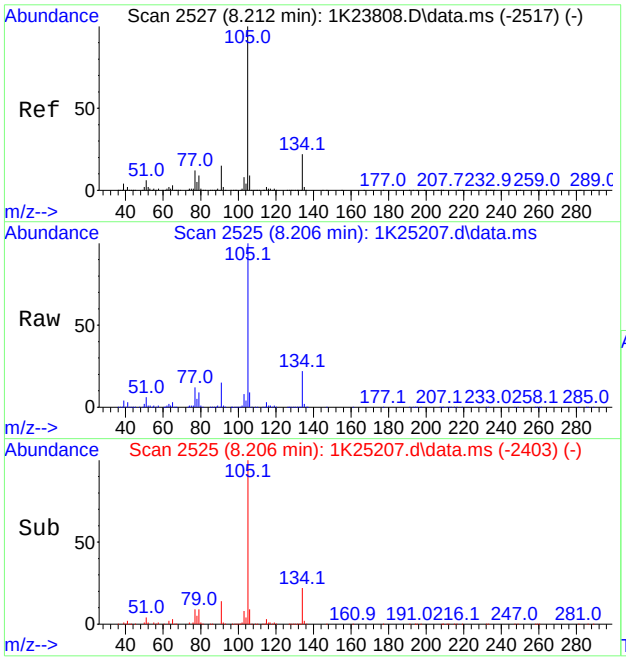


#107
1,2,4-trimethylbenzene
Concen: 45.4986 ug/L
RT: 8.148 min Scan# 2507
Delta R.T. -0.006 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion:105 Resp: 1000678

Ion	Ratio	Lower	Upper
105	100		
120	47.3	17.1	77.1
119	12.7	0.0	42.1

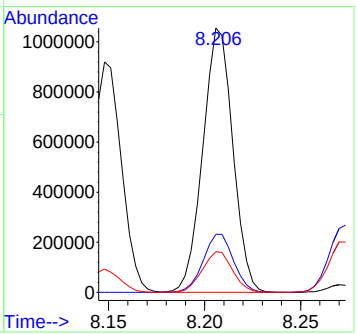


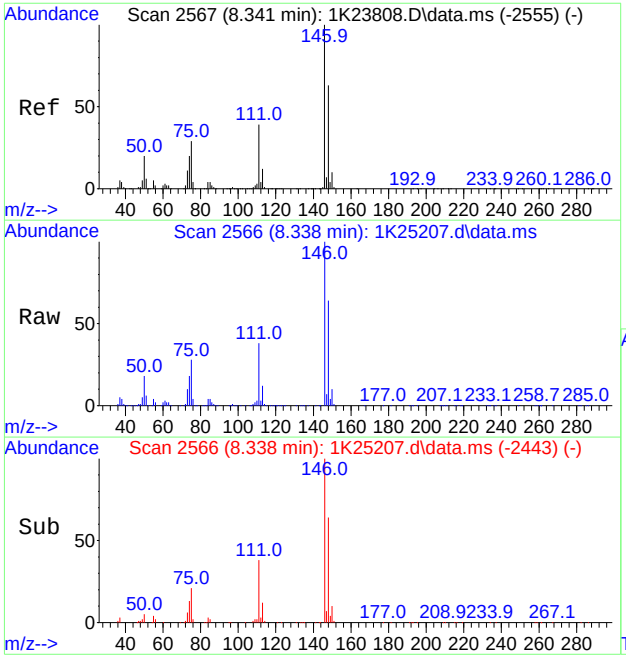


#108
sec-butylbenzene
Concen: 47.1387 ug/L
RT: 8.206 min Scan# 2525
Delta R.T. -0.006 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion:105 Resp: 1150021

Ion	Ratio	Lower	Upper
105	100		
134	21.9	0.0	51.5
91	15.3	0.0	45.0

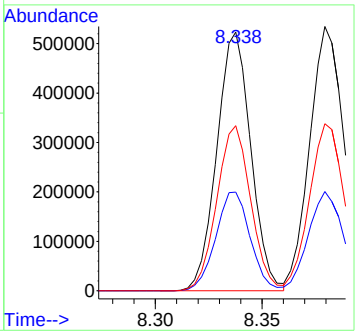


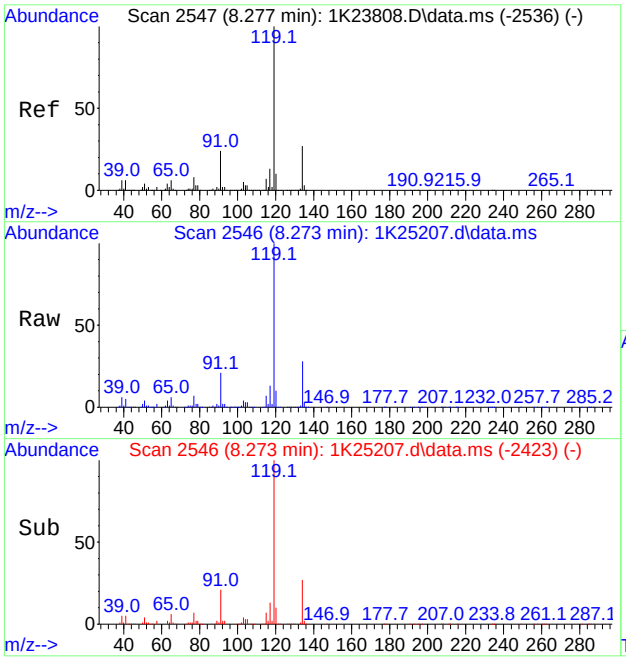


#109
1,3-dichlorobenzene
Concen: 47.5822 ug/L
RT: 8.338 min Scan# 2566
Delta R.T. -0.003 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion:146 Resp: 582215

Ion	Ratio	Lower	Upper
146	100		
111	38.1	8.9	68.9
148	63.8	32.9	92.9

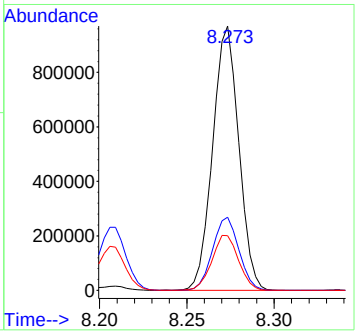


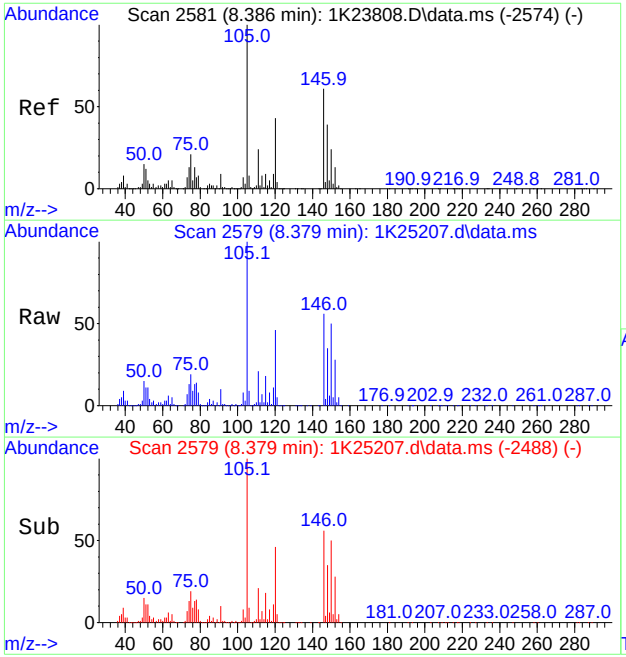


#110
p-isopropyltoluene
Concen: 47.6635 ug/L
RT: 8.273 min Scan# 2546
Delta R.T. -0.004 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion:119 Resp: 1010170

Ion	Ratio	Lower	Upper
119	100		
134	27.7	0.0	56.8
91	20.6	0.0	53.8

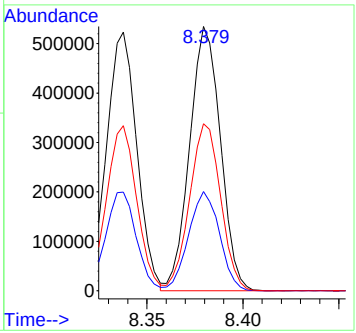


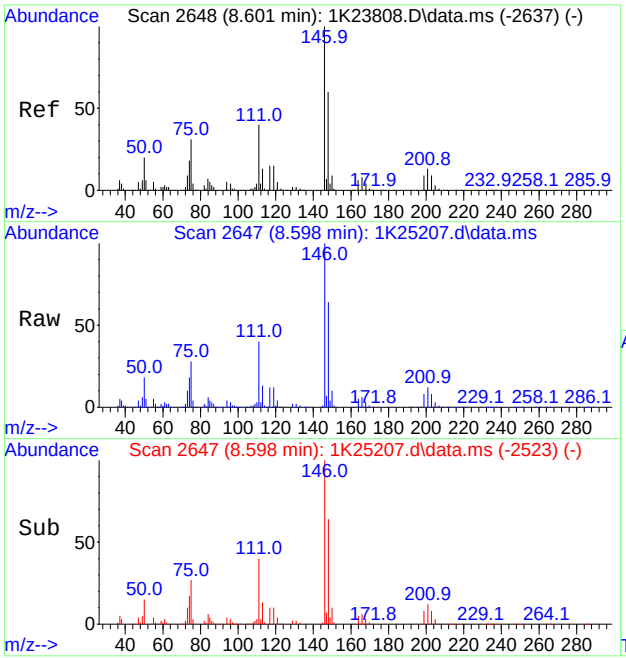


#111
1,4-dichlorobenzene
Concen: 47.2317 ug/L
RT: 8.379 min Scan# 2579
Delta R.T. -0.007 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion:146 Resp: 596838

Ion	Ratio	Lower	Upper
146	100		
111	37.6	9.1	69.1
148	63.2	33.9	93.9

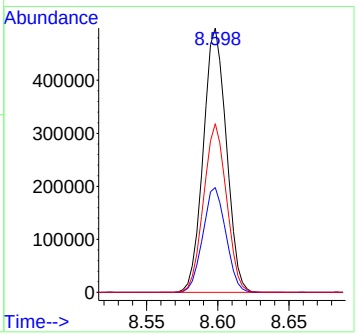


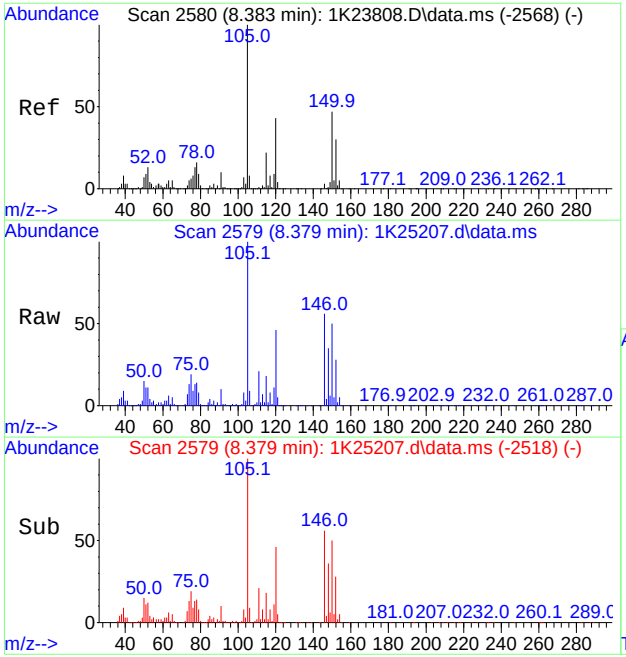


#112
1,2-dichlorobenzene
Concen: 48.0004 ug/L
RT: 8.598 min Scan# 2647
Delta R.T. -0.003 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion:146 Resp: 561144

Ion	Ratio	Lower	Upper
146	100		
111	39.6	9.9	69.9
148	63.8	30.0	90.0

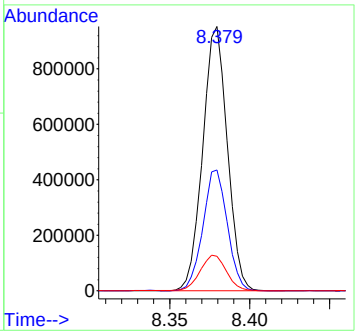


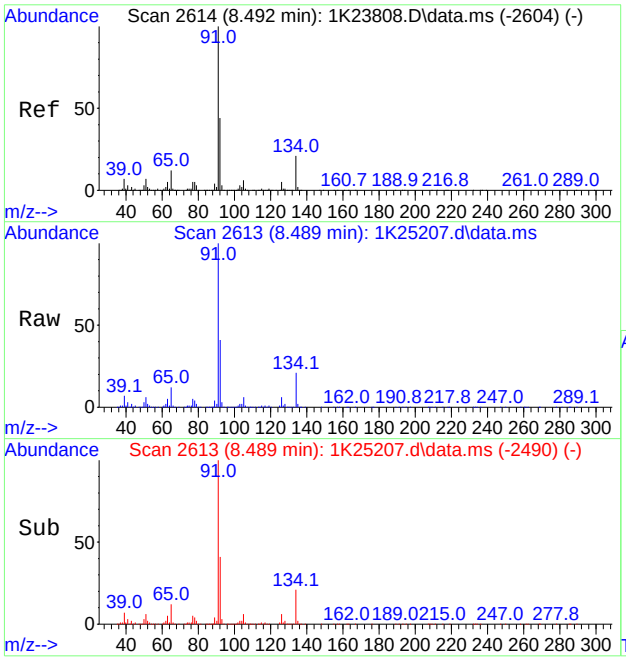


#113
1,2,3-trimethylbenzene
Concen: 45.6116 ug/L
RT: 8.379 min Scan# 2579
Delta R.T. -0.004 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion:105 Resp: 1021168

Ion	Ratio	Lower	Upper
105	100		
120	45.7	12.7	72.7
77	13.1	0.0	43.6

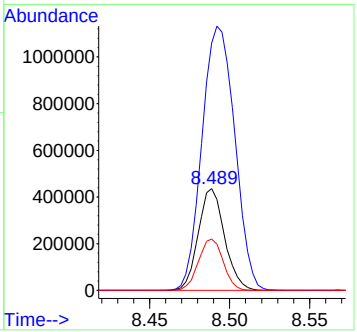


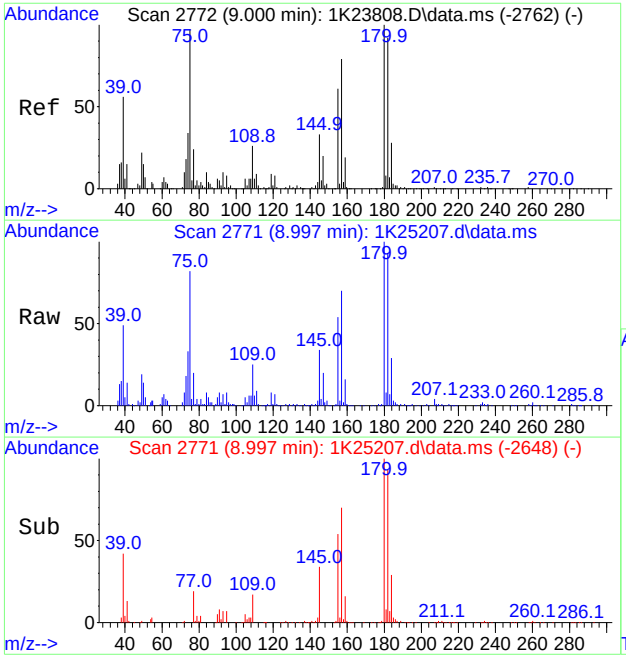


#114
n-butylbenzene
Concen: 44.1156 ug/L
RT: 8.489 min Scan# 2613
Delta R.T. -0.003 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion: 92 Resp: 497468

Ion	Ratio	Lower	Upper
92	100		
91	243.2	199.3	259.3
134	50.5	17.7	77.7

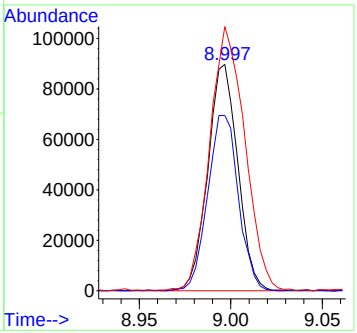


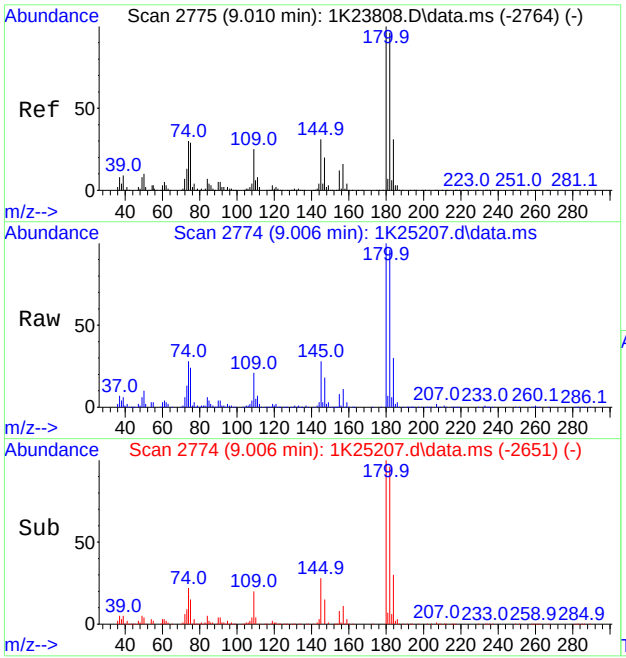


#115
1,2-dibromo-3-chloropropane
Concen: 43.6117 ug/L
RT: 8.997 min Scan# 2771
Delta R.T. -0.003 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion:157 Resp: 102761

Ion	Ratio	Lower	Upper
157	100		
155	77.2	47.8	107.8
75	116.5	92.6	152.6

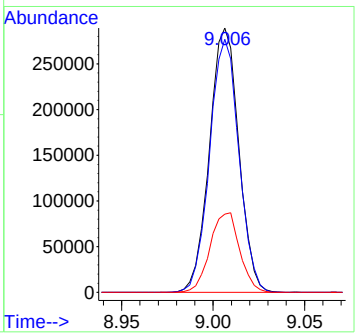


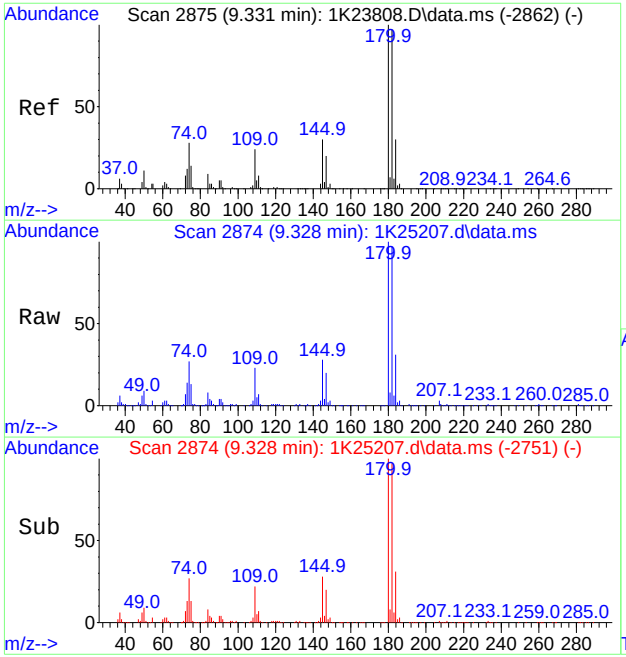


#116
1,3,5-trichlorobenzene
Concen: 46.8748 ug/L
RT: 9.006 min Scan# 2774
Delta R.T. -0.004 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion:180 Resp: 324069

Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.0	116.0
184	29.6	11.0	51.0

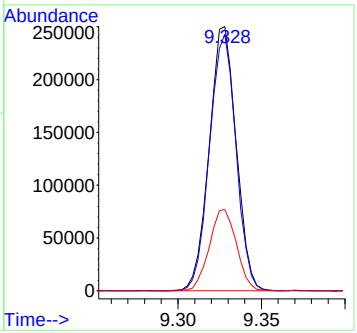


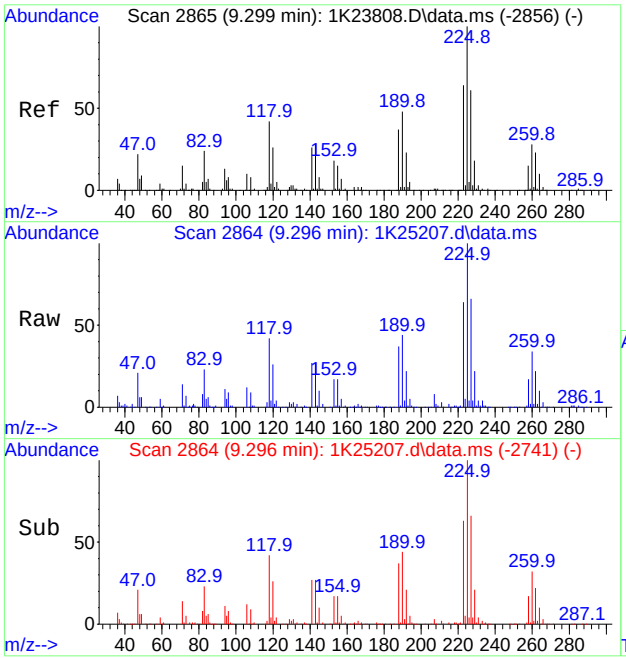


#117
1,2,4-trichlorobenzene
Concen: 45.6174 ug/L
RT: 9.328 min Scan# 2874
Delta R.T. -0.003 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion:180 Resp: 281198

Ion	Ratio	Lower	Upper
180	100		
182	97.0	67.0	127.0
184	30.8	0.2	60.2

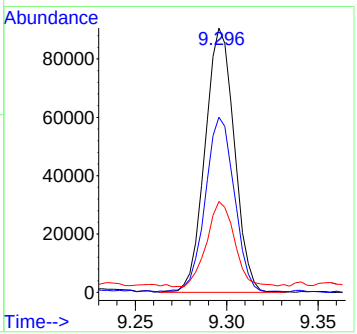


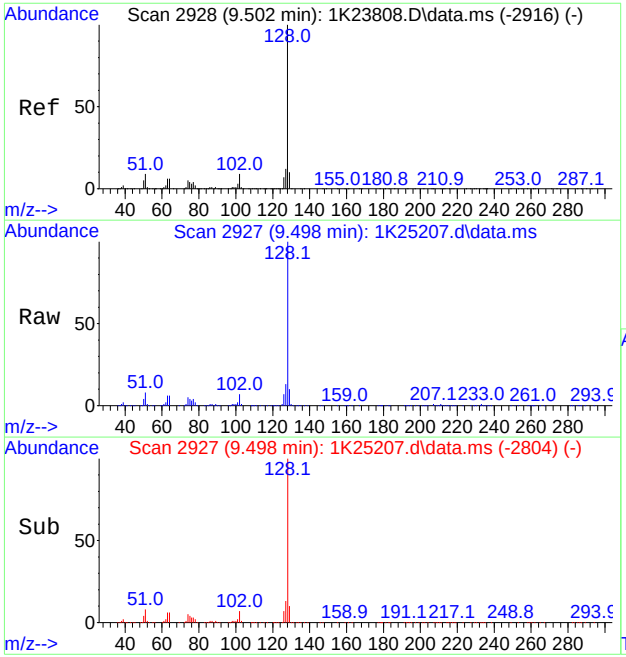


#118
hexachlorobutadiene
Concen: 46.7255 ug/L
RT: 9.296 min Scan# 2864
Delta R.T. -0.003 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion:225 Resp: 101234

Ion	Ratio	Lower	Upper
225	100		
227	65.9	31.7	91.7
260	32.0	0.0	58.9

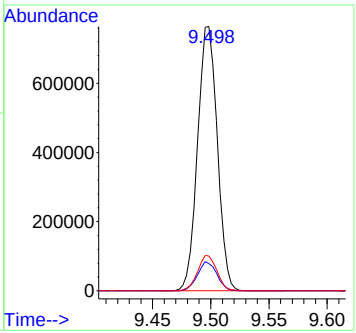


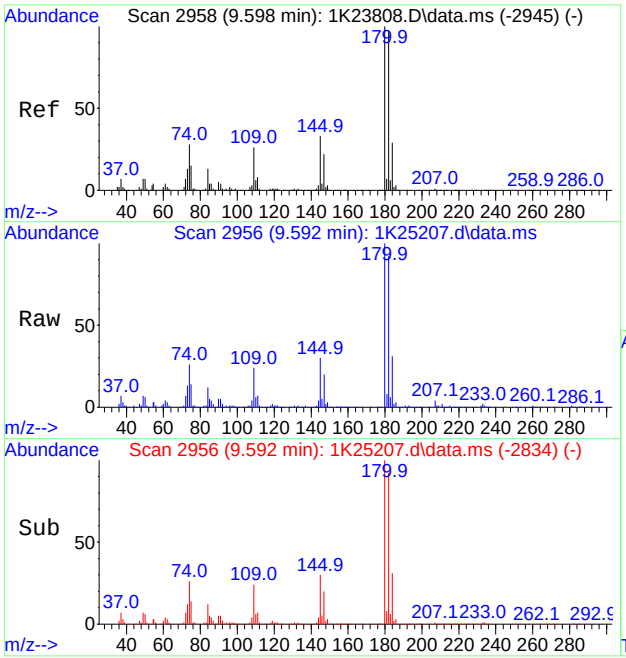


#119
naphthalene
Concen: 44.7047 ug/L
RT: 9.498 min Scan# 2927
Delta R.T. -0.004 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion:128 Resp: 902805

Ion	Ratio	Lower	Upper
128	100		
129	10.3	0.0	40.4
127	13.2	0.0	42.3

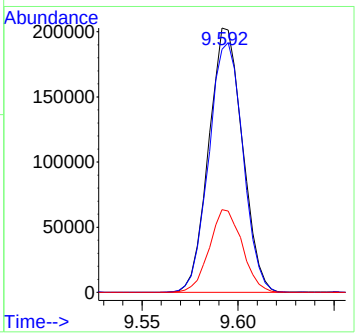


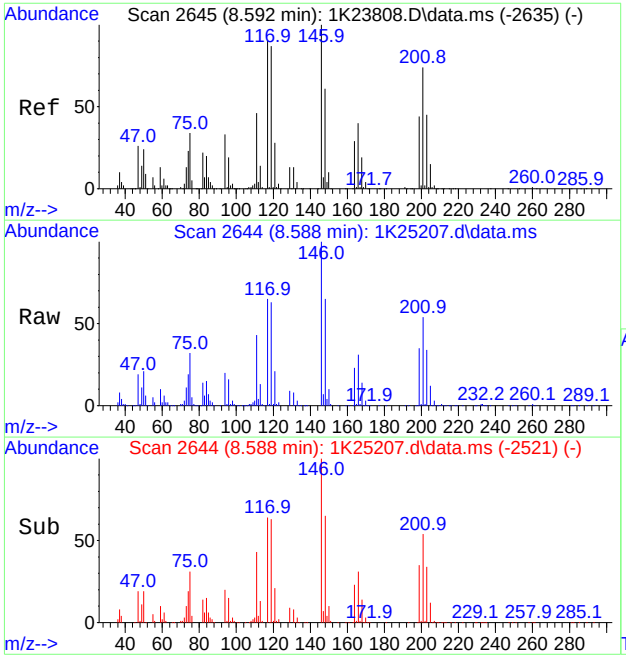


#120
1,2,3-trichlorobenzene
Concen: 45.4457 ug/L
RT: 9.592 min Scan# 2956
Delta R.T. -0.006 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion:180 Resp: 247474

Ion	Ratio	Lower	Upper
180	100		
182	91.9	66.8	126.8
184	31.2	0.0	59.3

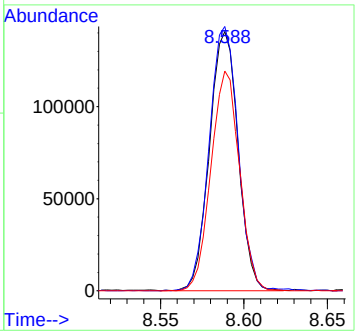


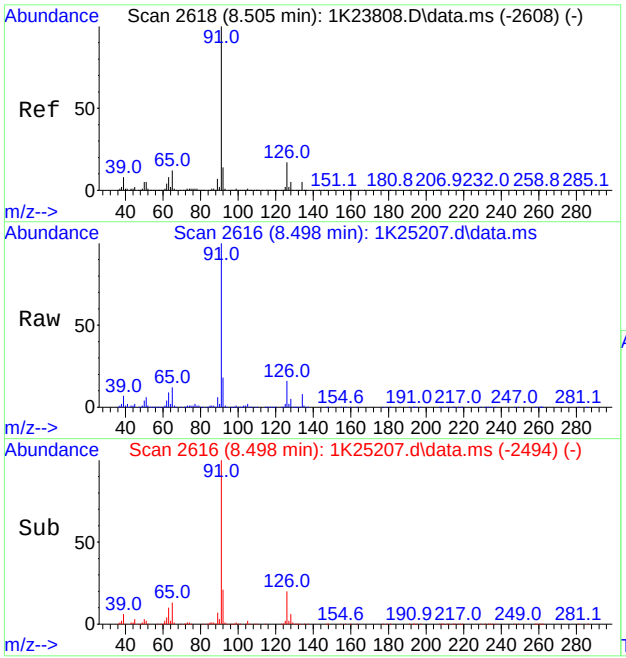


#121
hexachloroethane
Concen: 43.9059 ug/L
RT: 8.588 min Scan# 2644
Delta R.T. -0.004 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion:119 Resp: 167817

Ion	Ratio	Lower	Upper
119	100		
117	102.0	74.2	134.2
201	84.8	55.5	115.5

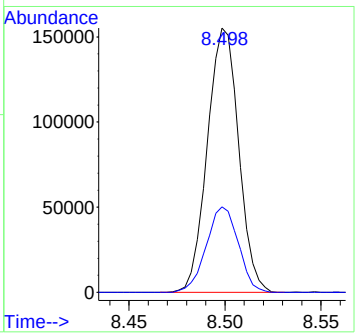


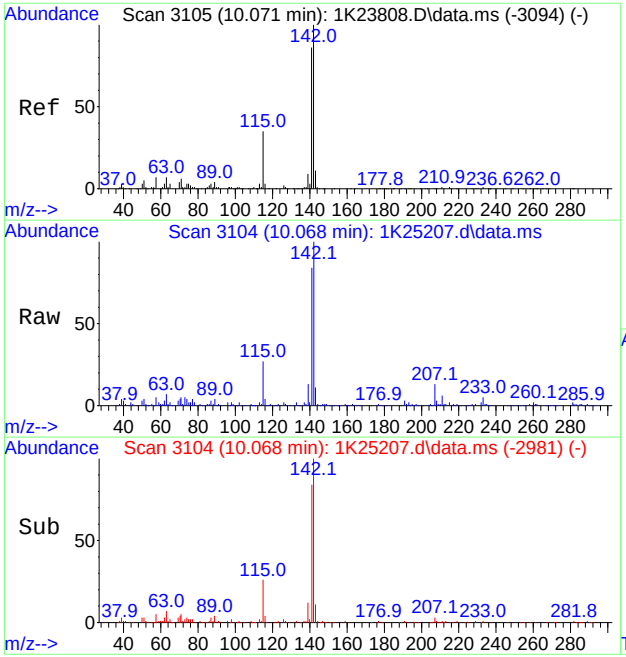


#122
benzyl chloride
Concen: 47.7752 ug/L
RT: 8.498 min Scan# 2616
Delta R.T. -0.007 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion:126 Resp: 176262

Ion	Ratio	Lower	Upper
126	100		
128	32.3	0.0	59.1

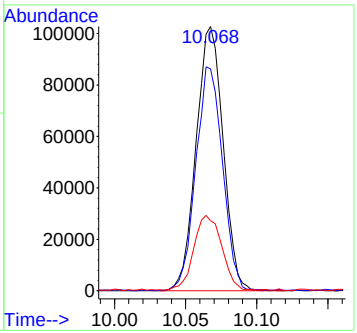




#123
2-methylnaphthalene
Concen: 18.3807 ug/L
RT: 10.068 min Scan# 3104
Delta R.T. -0.003 min
Lab File: 1K25207.d
Acq: 17 Oct 2025 10:46 pm

Tgt Ion:142 Resp: 135718

Ion	Ratio	Lower	Upper
142	100		
141	83.8	56.3	116.3
115	26.5	4.7	64.7



Manual Integrations APPROVED (compounds with "m" flag)
Janelle Claus
10/22/25 05:23

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\diegop\October\20251020\V1K694\
Data File : 1K25209.d
Acq On : 17 Oct 2025 11:19 pm
Operator : EDWARDD
Sample : cc658-1 Inst : GCMSK
Misc : MS97898,V1K694,5,,,,1
ALS Vial : 51 Sample Multiplier: 1

Quant Time: Oct 20 16:19:02 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 11:46:54 2025
Response via : Initial Calibration

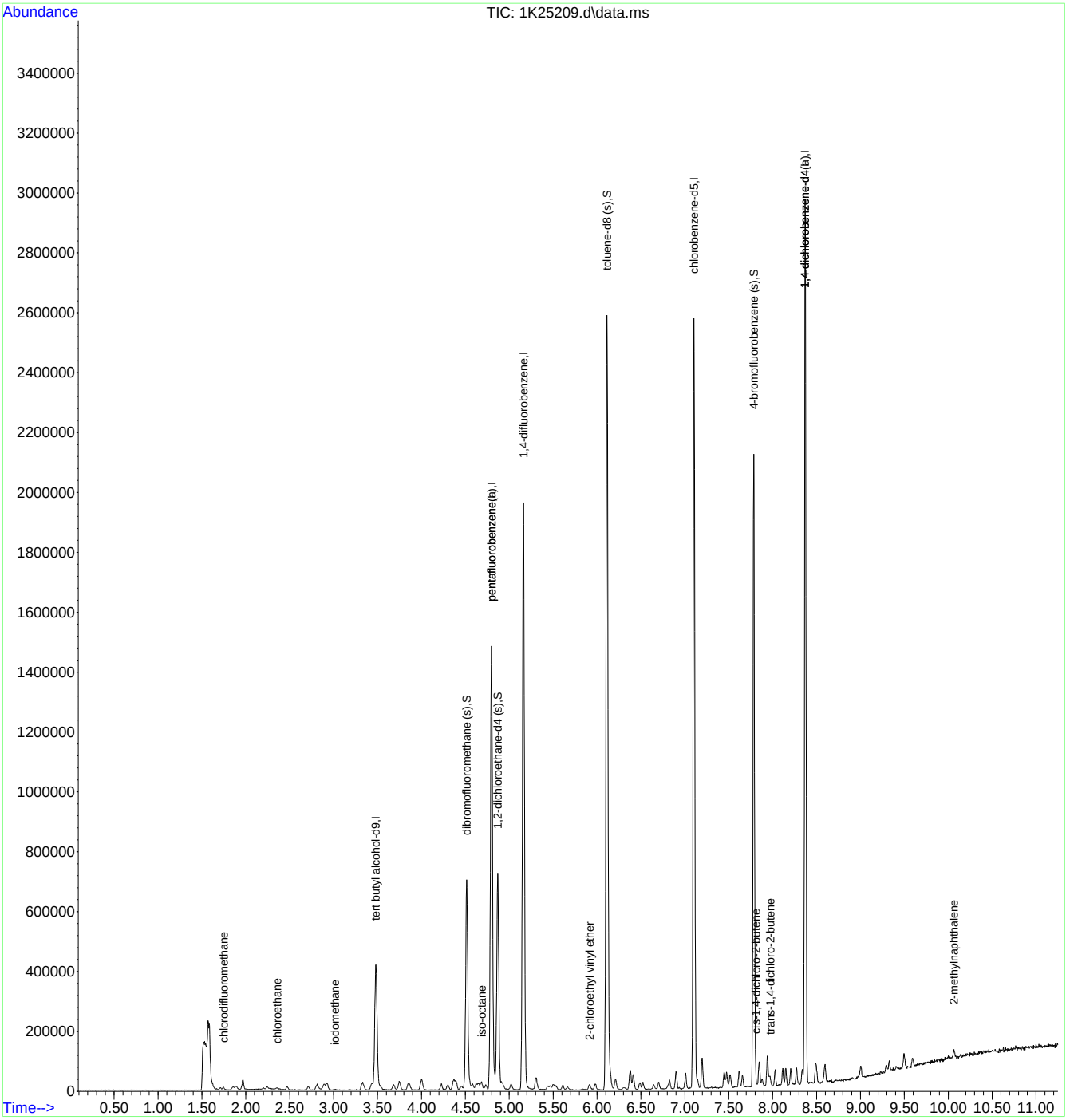
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	3.480	65	403664	500.00	ug/L	0.00
5) pentafluorobenzene	4.798	168	855204	50.00	ug/L	0.00
50) 1,4-difluorobenzene	5.161	114	1316773	50.00	ug/L	0.00
72) chlorobenzene-d5	7.103	117	1079298	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	8.370	152	523074	50.00	ug/L	0.00
124) pentafluorobenzene(a)	4.798	168	855204	50.00	ug/L	0.00
128) 1,4-dichlorobenzene-d4(a)	8.370	152	523074	50.00	ug/L	0.00
System Monitoring Compounds						
42) dibromofluoromethane (s)	4.515	113	349711	48.03	ug/L	0.00
Spiked Amount 50.000	Range 75 - 127		Recovery = 96.06%			
51) 1,2-dichloroethane-d4 (s)	4.869	65	408871	44.46	ug/L	0.00
Spiked Amount 50.000	Range 75 - 130		Recovery = 88.92%			
73) toluene-d8 (s)	6.113	98	1469891	48.68	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.36%			
97) 4-bromofluorobenzene (s)	7.785	95	499420	44.95	ug/L	0.00
Spiked Amount 50.000	Range 79 - 127		Recovery = 89.90%			
Target Compounds						Qvalue
6) chlorodifluoromethane	1.750	51	8273	0.6848	ug/L	91
12) chloroethane	2.357	64	3935	0.8311	ug/L	100
20) iodomethane	3.017	142	2524	1.9100	ug/L	85
52) iso-octane	4.685	57	18240	0.7388	ug/L	80
62) 2-chloroethyl vinyl ether	5.917	63	7016	1.5575	ug/L	92
95) cis-1,4-dichloro-2-butene	7.811	88	1771m	0.4277	ug/L	
100) trans-1,4-dichloro-2-b...	7.975	53	2476	0.6387	ug/L #	75
123) 2-methylnaphthalene	10.065	142	8648	1.1287	ug/L	77

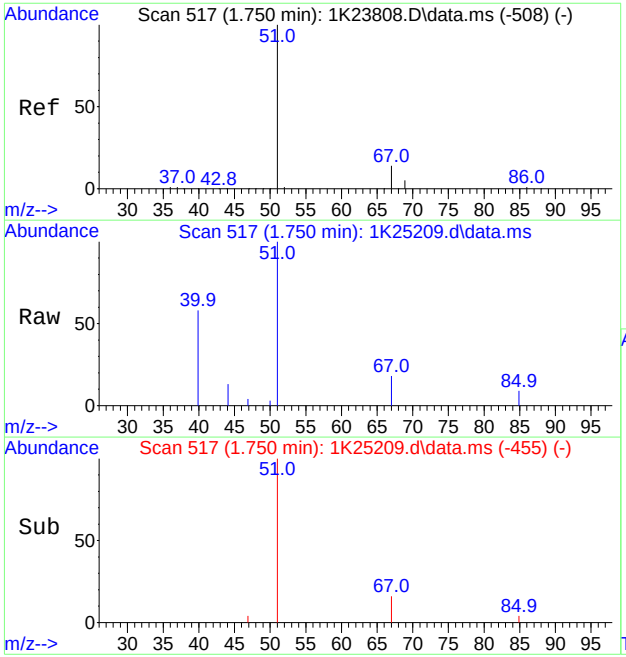
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\diegop\October\20251020\V1K694\
Data File : 1K25209.d
Acq On : 17 Oct 2025 11:19 pm
Operator : EDWARDD
Sample : cc658-1 Inst : GCMSK
Misc : MS97898,V1K694,5,,,,1
ALS Vial : 51 Sample Multiplier: 1

Quant Time: Oct 20 16:19:02 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 11:46:54 2025
Response via : Initial Calibration

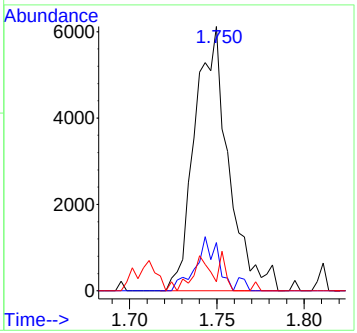


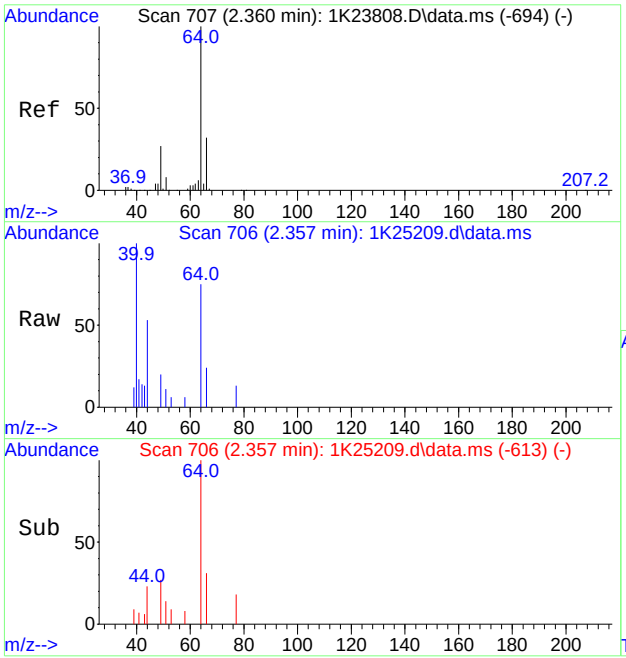


#6
chlorodifluoromethane
Concen: 0.6848 ug/L
RT: 1.750 min Scan# 517
Delta R.T. -0.000 min
Lab File: 1K25209.d
Acq: 17 Oct 2025 11:19 pm

Tgt Ion: 51 Resp: 8273

Ion	Ratio	Lower	Upper
51	100		
67	18.2	0.0	44.3
50	3.4	0.0	36.5

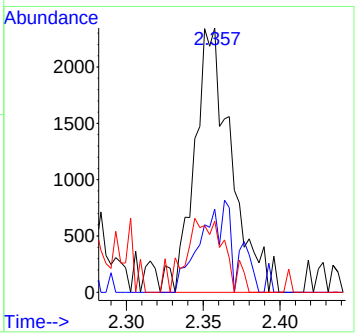


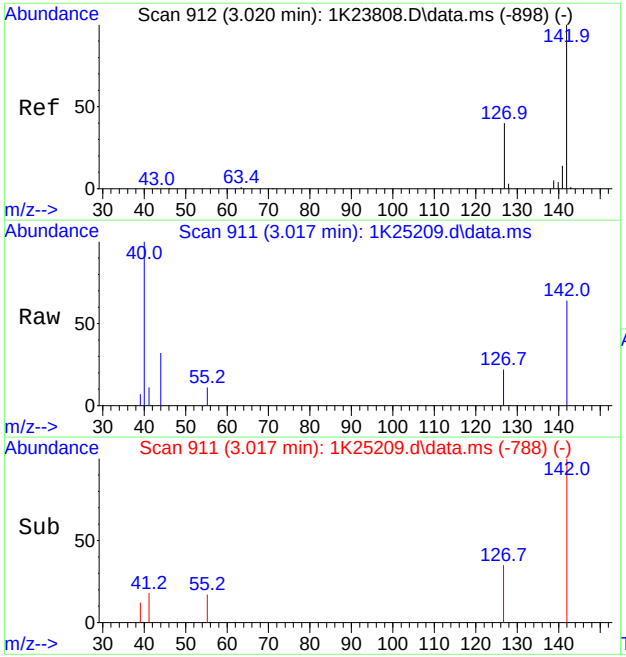


#12
chloroethane
Concen: 0.8311 ug/L
RT: 2.357 min Scan# 706
Delta R.T. -0.003 min
Lab File: 1K25209.d
Acq: 17 Oct 2025 11:19 pm

Tgt Ion: 64 Resp: 3935

Ion	Ratio	Lower	Upper
64	100		
66	31.5	1.6	61.6
49	26.9	0.0	57.3

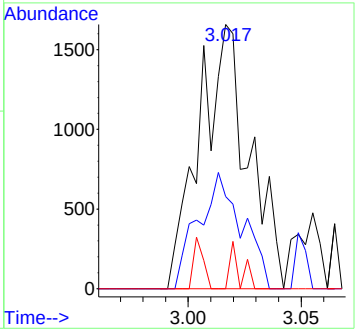


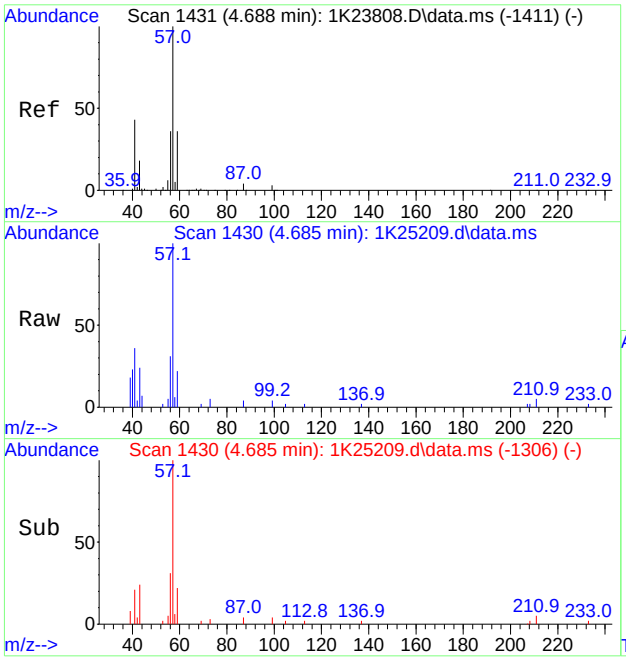


#20
iodomethane
Concen: 1.9100 ug/L
RT: 3.017 min Scan# 911
Delta R.T. -0.003 min
Lab File: 1K25209.d
Acq: 17 Oct 2025 11:19 pm

Tgt Ion:142 Resp: 2524

Ion	Ratio	Lower	Upper
142	100		
127	34.8	9.9	69.9
141	0.0	0.0	44.3

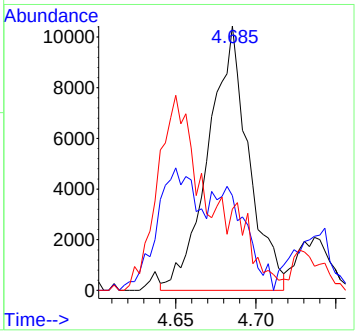


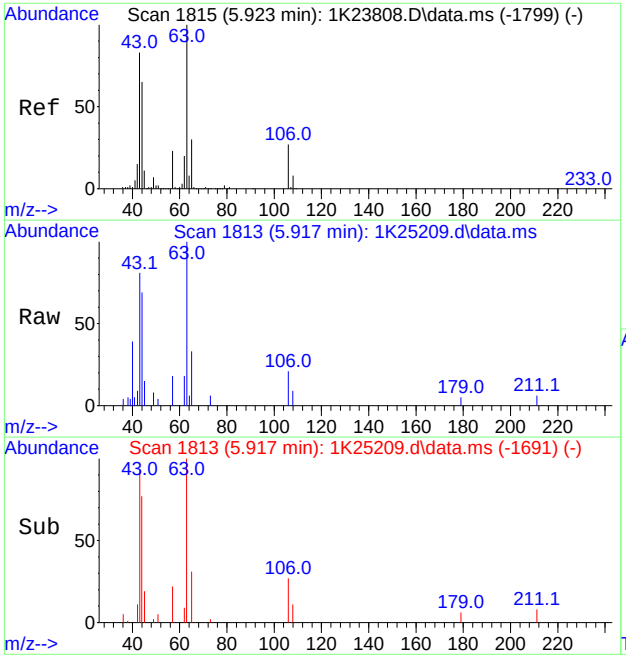


#52
iso-octane
Concen: 0.7388 ug/L
RT: 4.685 min Scan# 1430
Delta R.T. -0.003 min
Lab File: 1K25209.d
Acq: 17 Oct 2025 11:19 pm

Tgt Ion: 57 Resp: 18240

Ion	Ratio	Lower	Upper
57	100		
41	27.0	22.7	62.7
56	27.2	16.1	56.1

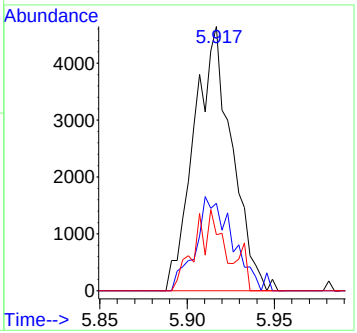


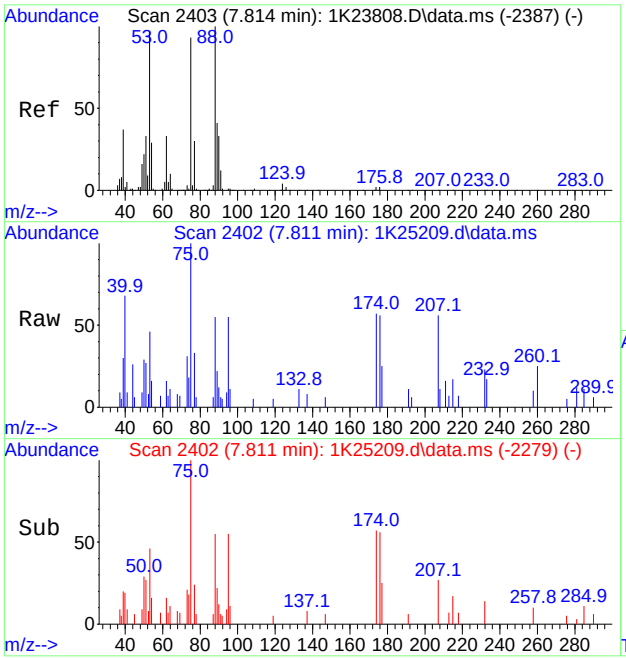


#62
2-chloroethyl vinyl ether
Concen: 1.5575 ug/L
RT: 5.917 min Scan# 1813
Delta R.T. -0.006 min
Lab File: 1K25209.d
Acq: 17 Oct 2025 11:19 pm

Tgt Ion: 63 Resp: 7016

Ion	Ratio	Lower	Upper
63	100		
65	33.1	0.4	60.4
106	21.3	0.0	57.4

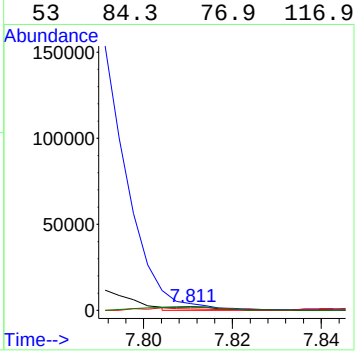


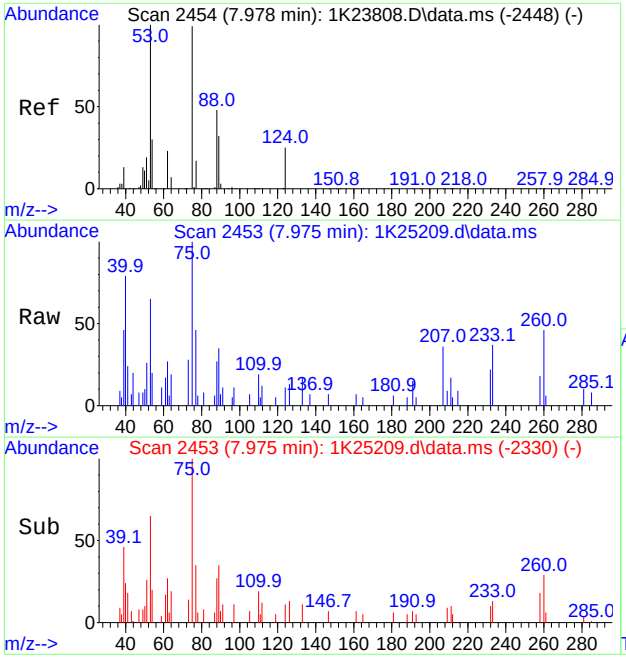


#95
cis-1,4-dichloro-2-butene
Concen: 0.4277 ug/L m
RT: 7.811 min Scan# 2402
Delta R.T. -0.003 min
Lab File: 1K25209.d
Acq: 17 Oct 2025 11:19 pm

Tgt Ion: 88 Resp: 1771

Ion	Ratio	Lower	Upper
88	100		
75	183.3	72.9	112.9#
89	40.9	20.6	60.6
53	84.3	76.9	116.9

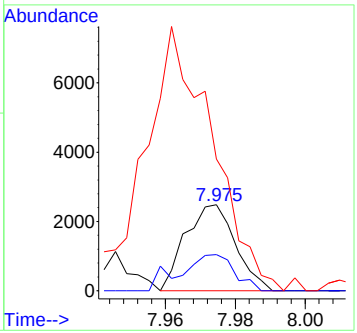


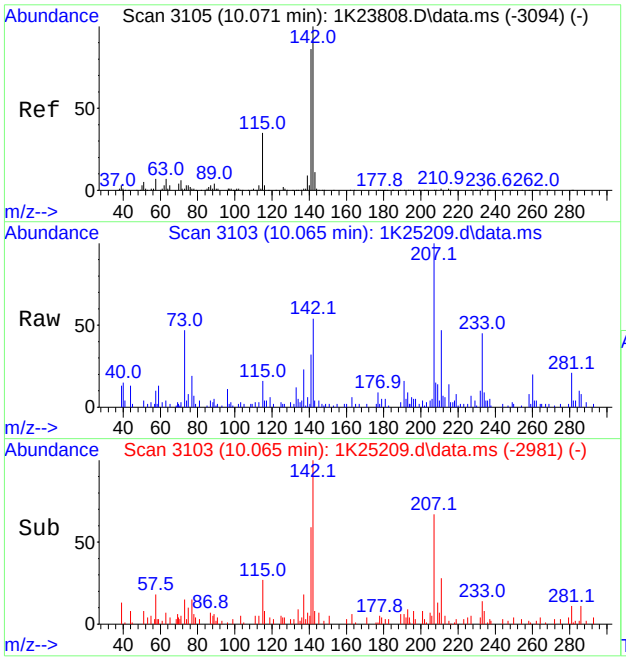


#100
trans-1,4-dichloro-2-butene
Concen: 0.6387 ug/L
RT: 7.975 min Scan# 2453
Delta R.T. -0.003 min
Lab File: 1K25209.d
Acq: 17 Oct 2025 11:19 pm

Tgt Ion: 53 Resp: 2476

Ion	Ratio	Lower	Upper
53	100		
88	33.7	17.1	77.1
75	153.2	162.2	222.2#

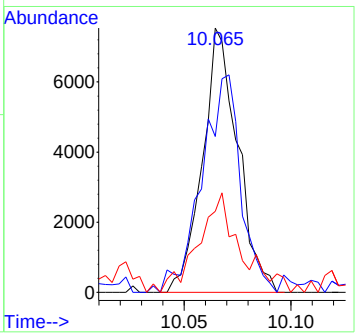




#123
2-methylnaphthalene
Concen: 1.1287 ug/L
RT: 10.065 min Scan# 3103
Delta R.T. -0.006 min
Lab File: 1K25209.d
Acq: 17 Oct 2025 11:19 pm

Tgt Ion:142 Resp: 8648

Ion	Ratio	Lower	Upper
142	100		
141	59.0	56.3	116.3
115	30.7	4.7	64.7



Manual Integration Approval Summary

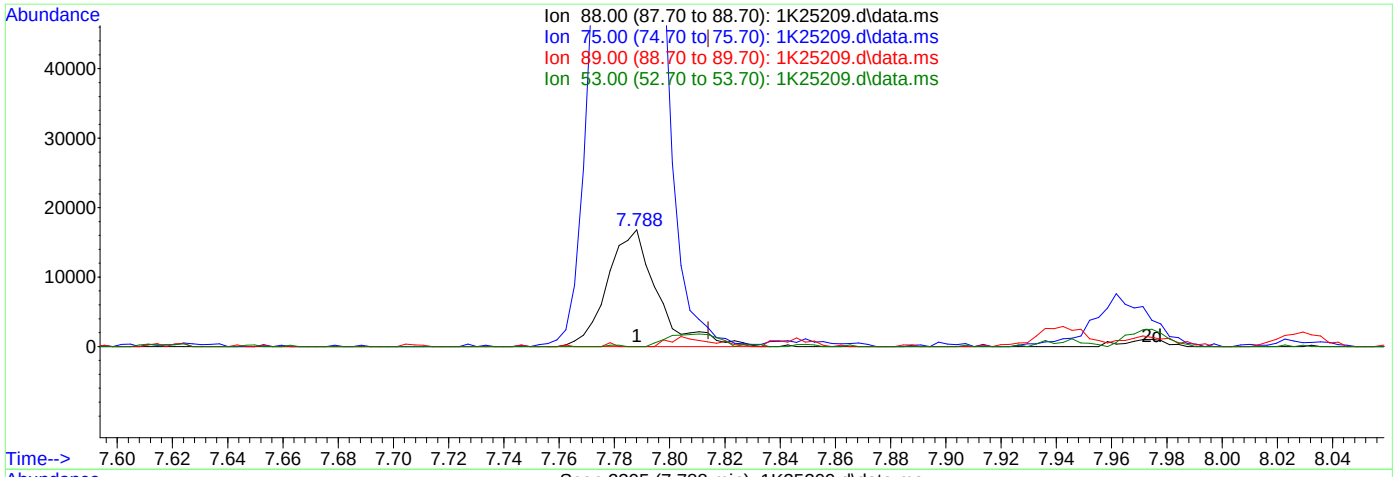
Sample Number:	V1K694-CC658	**Method:**	SW846 8260D
Lab FileID:	1K25209.D	**Analyst approved:**	10/20/25 15:16 Diego Pineda
Injection Time:	10/17/25 23:19	**Supervisor approved:**	10/22/25 05:23 Janelle Claus

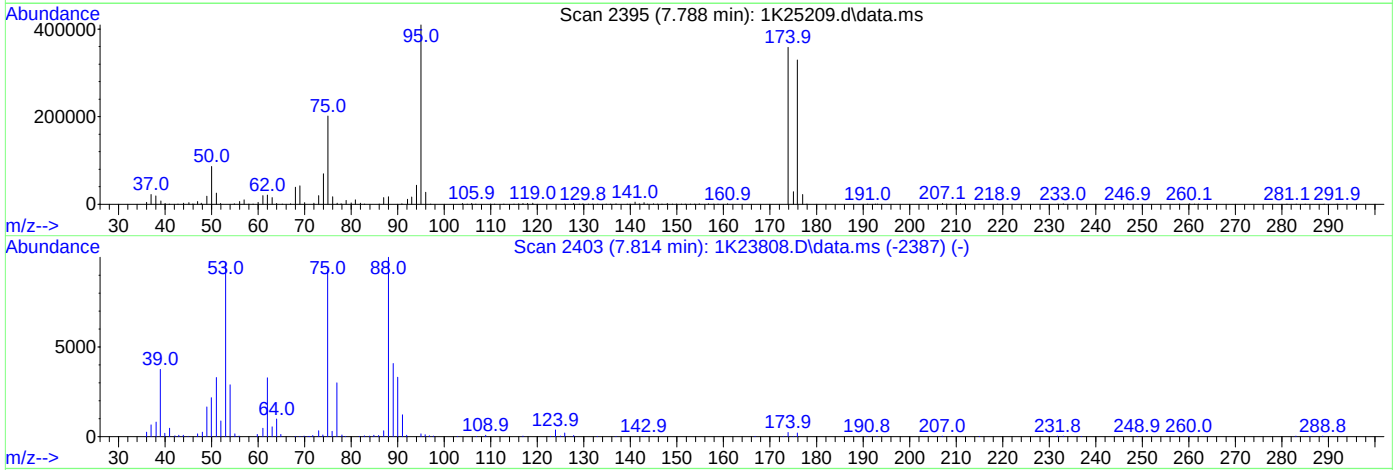
Parameter	CAS	Sig#	R.T. (min.)	Reason
cis-1,4-Dichloro-2-Butene	1476-11-5		7.81	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\diegop\October\20251020\V1K694\
Data File : 1K25209.d
Acq On : 17 Oct 2025 11:19 pm
Operator : EDWARDD
Sample : cc658-1 Inst : GCMSK
Misc : MS97898,V1K694,5,,,,1
ALS Vial : 51 Sample Multiplier: 1

Quant Time: Oct 20 16:06:23 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 11:46:54 2025
Response via : Initial Calibration





TIC: 1K25209.d\data.ms

(95) cis-1,4-dichloro-2-butene

7.788min (-0.026) 5.12ug/L

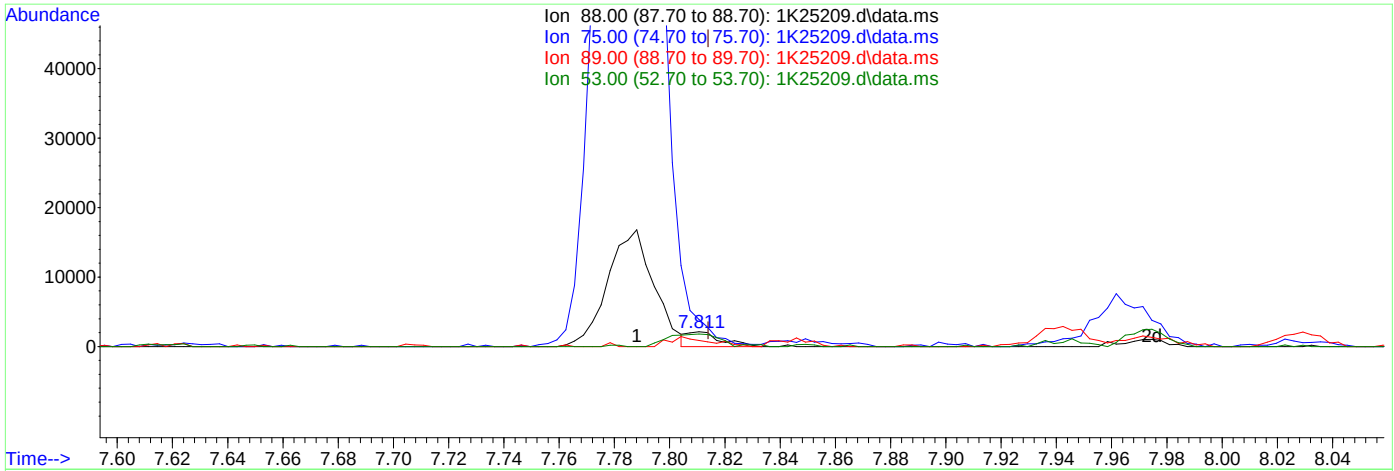
response 21208

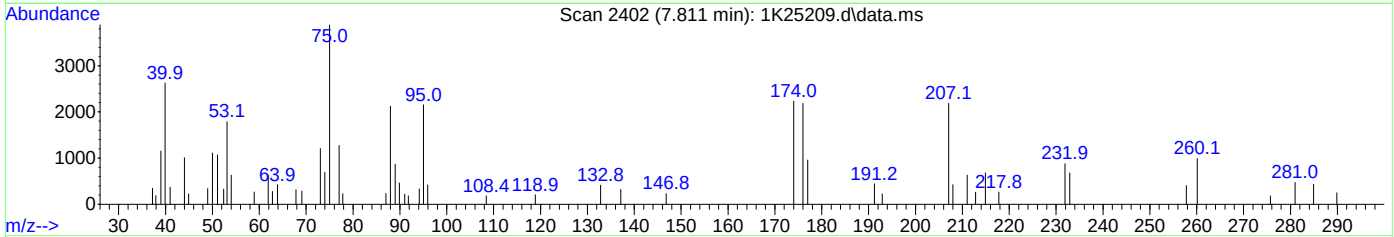
Ion	Exp%	Act%
88.00	100	100
75.00	92.90	1192.44#
89.00	40.60	0.00#
53.00	96.90	0.00#

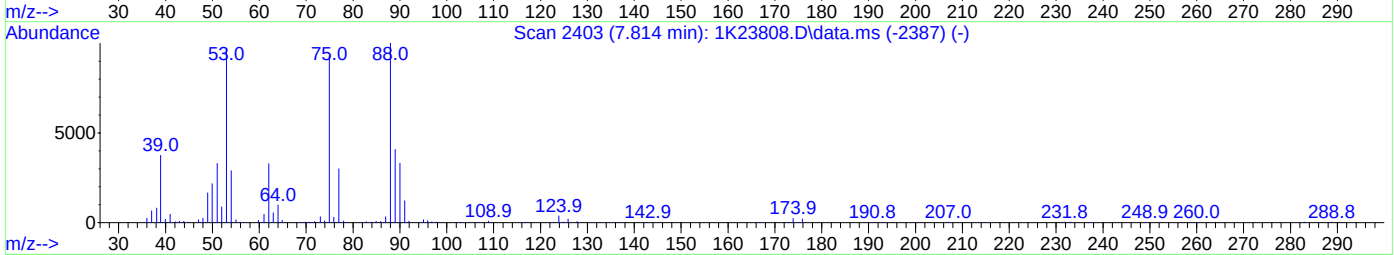
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\diegop\October\20251020\V1K694\
Data File : 1K25209.d
Acq On : 17 Oct 2025 11:19 pm
Operator : EDWARDD
Sample : cc658-1 Inst : GCMSK
Misc : MS97898,V1K694,5,,,,1
ALS Vial : 51 Sample Multiplier: 1

Quant Time: Oct 20 16:06:23 2025
Quant Method : C:\msdchem\1\methods\M1K658.M
Quant Title : SW-846 Method 8260D, column Rtx-VMS 20m x 0.18 id x 1.0 um
QLast Update : Mon Sep 08 11:46:54 2025
Response via : Initial Calibration







TIC: 1K25209.d\data.ms

(95) cis-1,4-dichloro-2-butene

7.811min (-0.003) 0.43ug/L m

response 1771

Ion	Exp%	Act%
88.00	100	100
75.00	92.90	183.26#
89.00	40.60	40.88
53.00	96.90	84.35

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VT579\
Data File : 1T23994.D
Acq On : 18 Sep 2025 09:03 am
Operator : edwardd
Sample : ic579-0.2
Misc : MS96870,V1T0579,5,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 19 11:22:22 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 09:49:41 2025
Response via : Initial Calibration

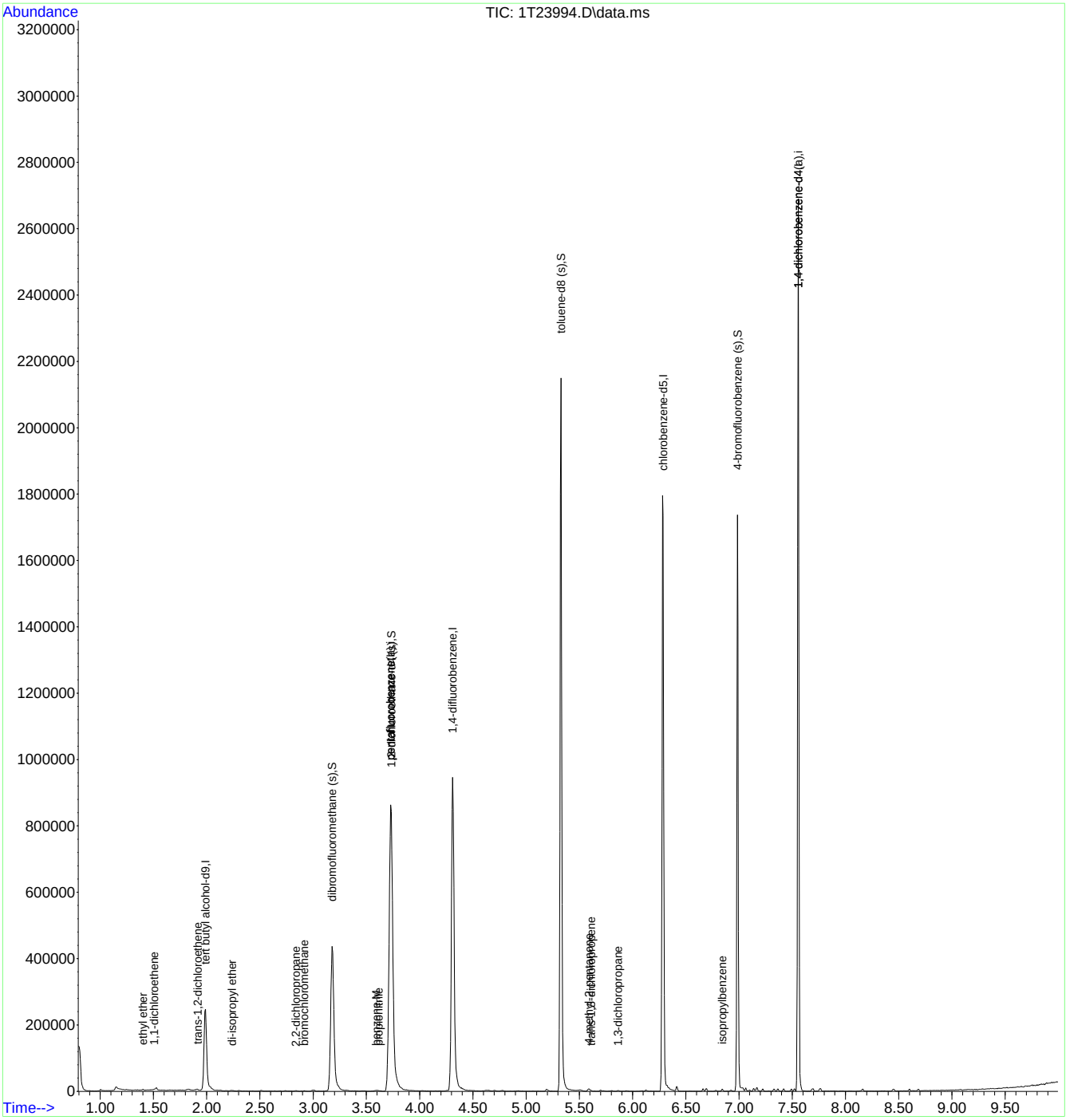
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	1.988	65	236400	500.00	ug/L	0.00
5) pentafluorobenzene	3.729	168	464038	50.00	ug/L	0.00
50) 1,4-difluorobenzene	4.311	114	727574	50.00	ug/L	0.00
72) chlorobenzene-d5	6.287	117	623682	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	7.556	152	331278	50.00	ug/L	0.00
124) pentafluorobenzene(a)	3.729	168	464038	50.00	ug/L	0.00
132) 1,4-dichlorobenzene-d4(a)	7.556	152	331278	50.00	ug/L	0.00
System Monitoring Compounds						
42) dibromofluoromethane (s)	3.178	113	274628	50.47	ug/L	0.00
Spiked Amount 50.000	Range 75 - 127		Recovery = 100.94%			
51) 1,2-dichloroethane-d4 (s)	3.734	65	262664	46.69	ug/L	0.00
Spiked Amount 50.000	Range 75 - 130		Recovery = 93.38%			
73) toluene-d8 (s)	5.328	98	865674	52.52	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 105.04%			
97) 4-bromofluorobenzene (s)	6.985	95	293248	48.00	ug/L	0.00
Spiked Amount 50.000	Range 79 - 127		Recovery = 96.00%			
Target Compounds						Qvalue
14) ethyl ether	1.401	74	461	0.2344	ug/L #	82
17) 1,1-dichloroethene	1.505	61	1039	0.2076	ug/L	97
25) trans-1,2-dichloroethene	1.914	96	662	0.1931	ug/L	82
27) di-isopropyl ether	2.240	45	1317	0.2081	ug/L	79
35) 2,2-dichloropropane	2.837	77	866	0.1824	ug/L #	37
37) propionitrile	3.613	54	1171	2.1232	ug/L	76
39) bromochloromethane	2.916	128	298	0.1901	ug/L #	62
53) benzene	3.592	78	2060	0.2020	ug/L	79
70) 4-methyl-2-pentanone	5.590	58	1008	0.8545	ug/L #	79
76) trans-1,3-dichloropropene	5.611	75	878	0.2031	ug/L #	75
80) 1,3-dichloropropane	5.862	76	828	0.1893	ug/L	61
94) isopropylbenzene	6.843	105	2695	0.2168	ug/L	92

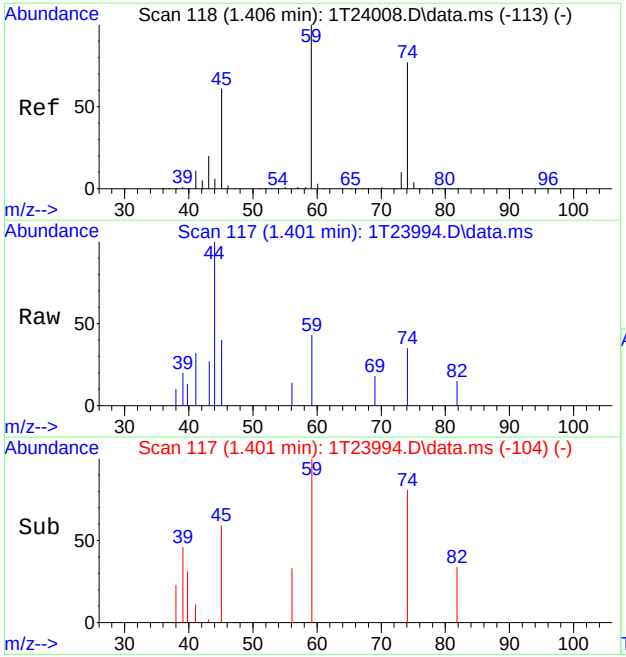
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VT579\
Data File : 1T23994.D
Acq On : 18 Sep 2025 09:03 am
Operator : edwardd
Sample : ic579-0.2
Misc : MS96870,V1T0579,5,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 19 11:22:22 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 09:49:41 2025
Response via : Initial Calibration

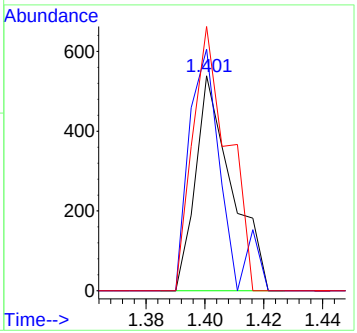


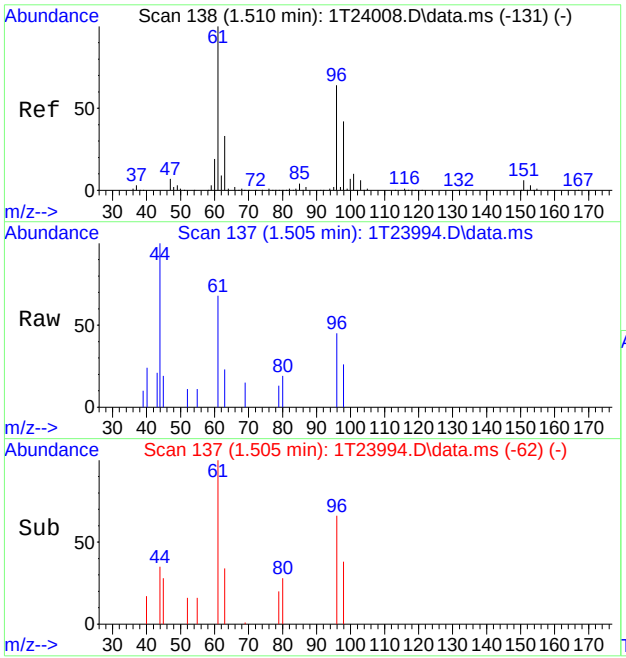


#14
ethyl ether
Concen: 0.23 ug/L
RT: 1.401 min Scan# 117
Delta R.T. -0.005 min
Lab File: 1T23994.D
Acq: 18 Sep 2025 09:03 am

Tgt Ion: 74 Resp: 461

Ion	Ratio	Lower	Upper
74	100		
45	112.4	48.9	108.9#
59	123.0	99.2	159.2

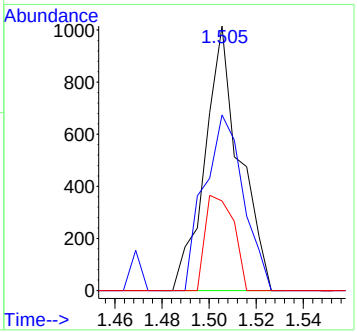


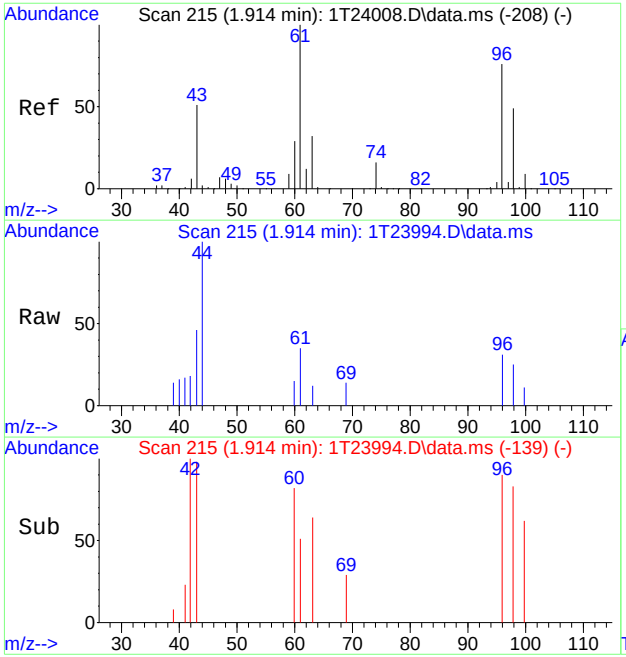


#17
1,1-dichloroethene
Concen: 0.21 ug/L
RT: 1.505 min Scan# 137
Delta R.T. -0.005 min
Lab File: 1T23994.D
Acq: 18 Sep 2025 09:03 am

Tgt Ion: 61 Resp: 1039

Ion	Ratio	Lower	Upper
61	100		
96	66.3	33.7	93.7
63	33.9	2.8	62.8

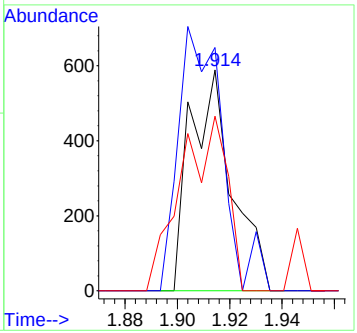


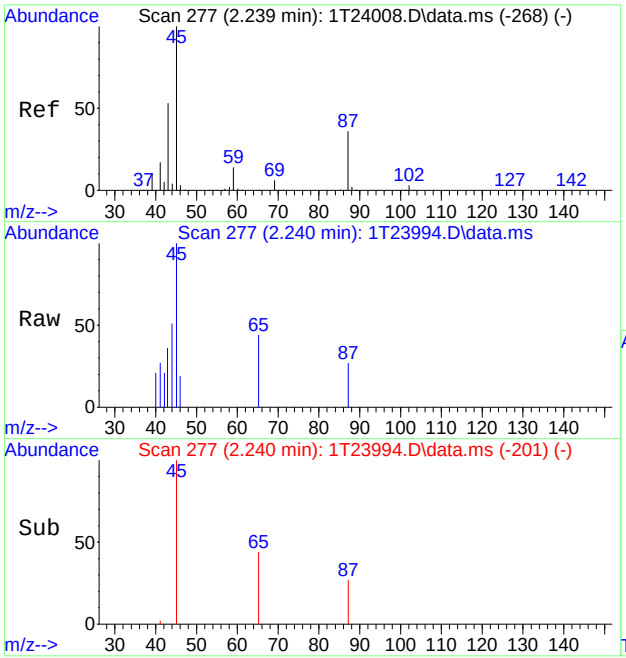


#25
trans-1,2-dichloroethene
Concen: 0.19 ug/L
RT: 1.914 min Scan# 215
Delta R.T. 0.000 min
Lab File: 1T23994.D
Acq: 18 Sep 2025 09:03 am

Tgt Ion: 96 Resp: 662

Ion	Ratio	Lower	Upper
96	100		
61	110.2	101.0	161.0
98	79.1	34.5	94.5

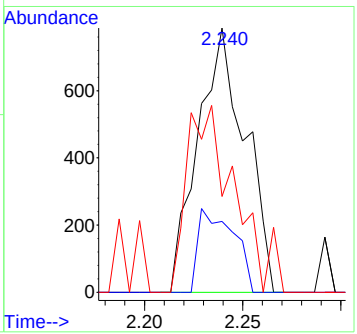


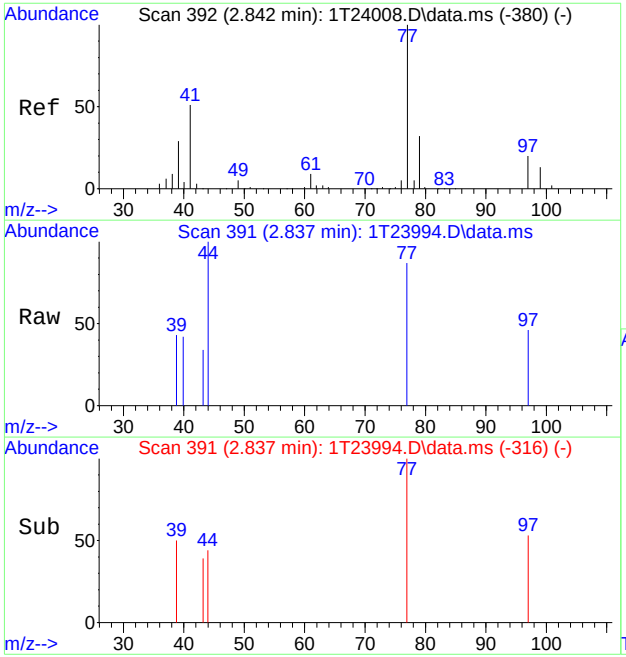


#27
di-isopropyl ether
Concen: 0.21 ug/L
RT: 2.240 min Scan# 277
Delta R.T. 0.000 min
Lab File: 1T23994.D
Acq: 18 Sep 2025 09:03 am

Tgt Ion: 45 Resp: 1317

Ion	Ratio	Lower	Upper
45	100		
87	26.8	6.3	66.3
43	36.2	23.0	83.0

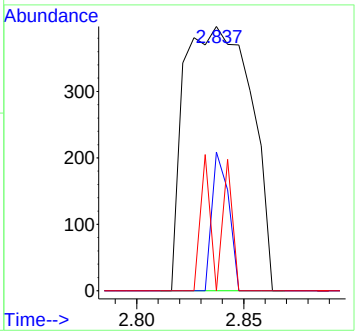


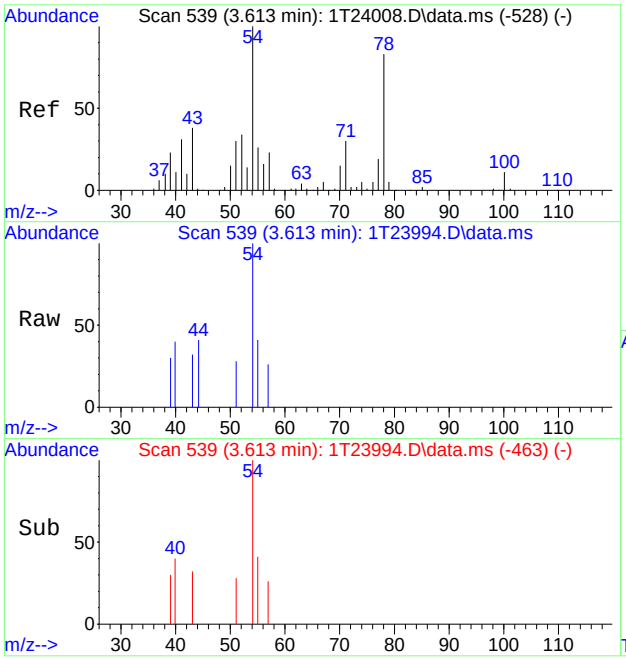


#35
2,2-dichloropropane
Concen: 0.18 ug/L
RT: 2.837 min Scan# 391
Delta R.T. -0.005 min
Lab File: 1T23994.D
Acq: 18 Sep 2025 09:03 am

Tgt Ion: 77 Resp: 866

Ion	Ratio	Lower	Upper
77	100		
97	52.5	0.0	50.0#
79	0.0	2.2	62.2#

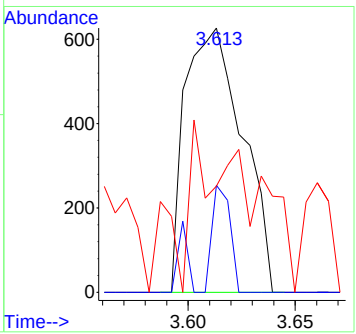


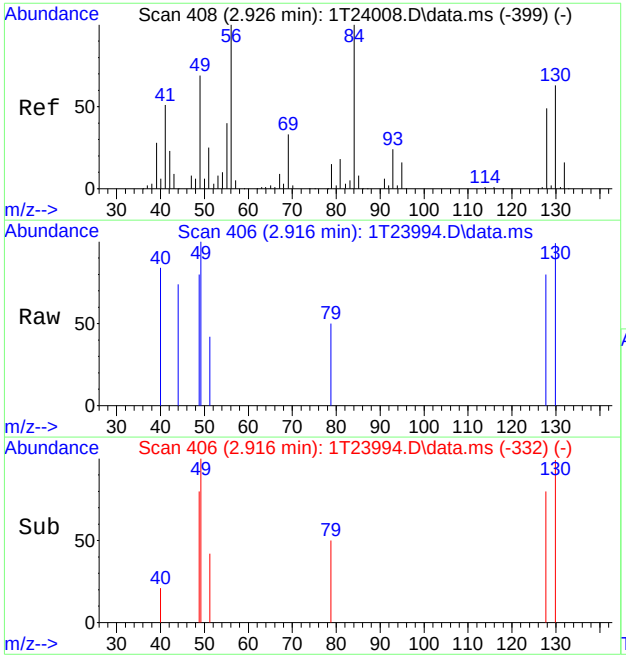


#37
propionitrile
Concen: 2.12 ug/L
RT: 3.613 min Scan# 539
Delta R.T. 0.000 min
Lab File: 1T23994.D
Acq: 18 Sep 2025 09:03 am

Tgt Ion: 54 Resp: 1171

Ion	Ratio	Lower	Upper
54	100		
55	40.5	0.0	55.9
40	5.9	0.0	41.2

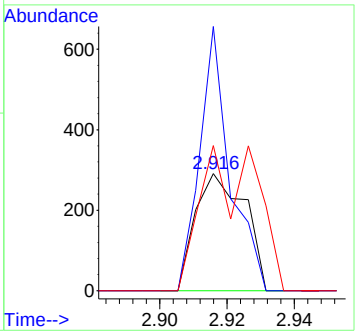


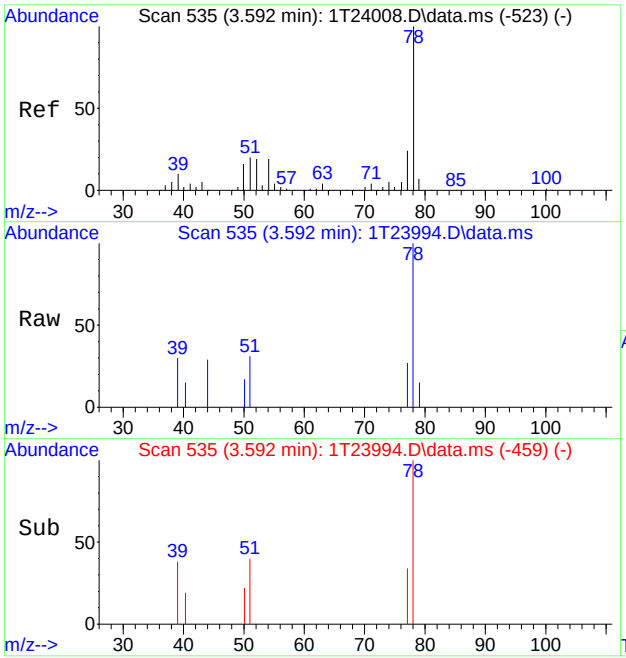


#39
bromochloromethane
Concen: 0.19 ug/L
RT: 2.916 min Scan# 406
Delta R.T. -0.010 min
Lab File: 1T23994.D
Acq: 18 Sep 2025 09:03 am

Tgt Ion:128 Resp: 298

Ion	Ratio	Lower	Upper
128	100		
49	225.8	110.2	170.2#
130	124.1	98.0	158.0

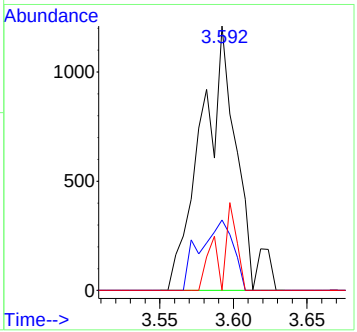


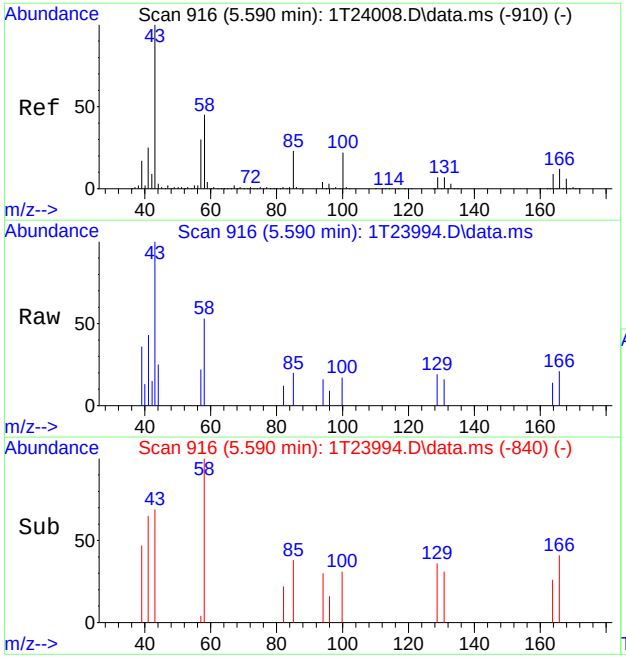


#53
benzene
Concen: 0.20 ug/L
RT: 3.592 min Scan# 535
Delta R.T. 0.000 min
Lab File: 1T23994.D
Acq: 18 Sep 2025 09:03 am

Tgt Ion: 78 Resp: 2060

Ion	Ratio	Lower	Upper
78	100		
77	26.6	0.0	54.3
52	0.0	0.0	48.8

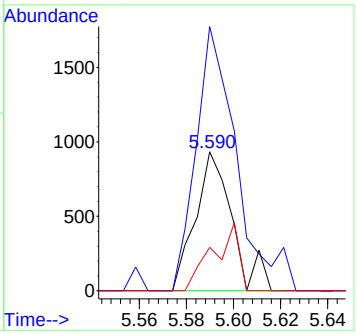


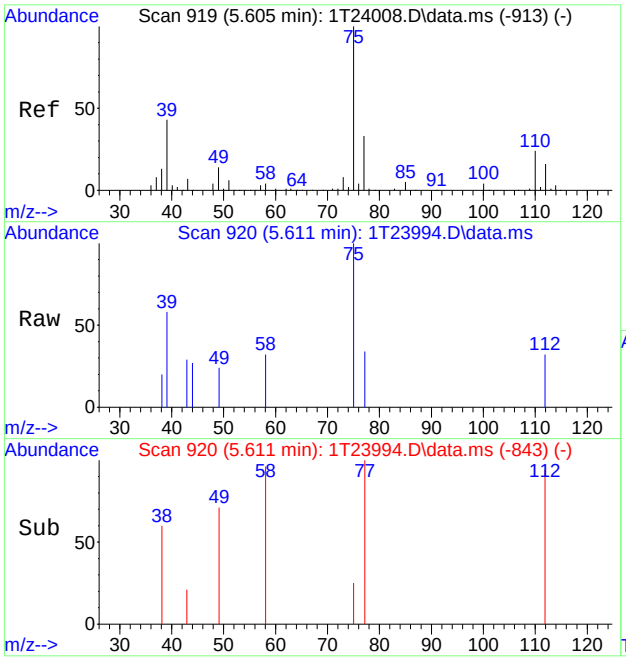


#70
4-methyl-2-pentanone
Concen: 0.85 ug/L
RT: 5.590 min Scan# 916
Delta R.T. 0.000 min
Lab File: 1T23994.D
Acq: 18 Sep 2025 09:03 am

Tgt Ion: 58 Resp: 1008

Ion	Ratio	Lower	Upper
58	100		
43	190.2	192.2	252.2#
100	31.4	18.2	78.2

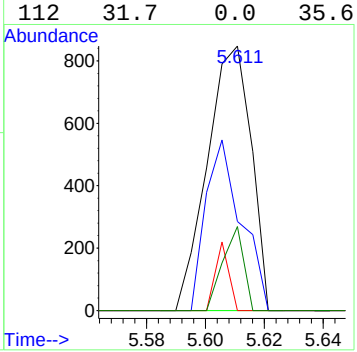


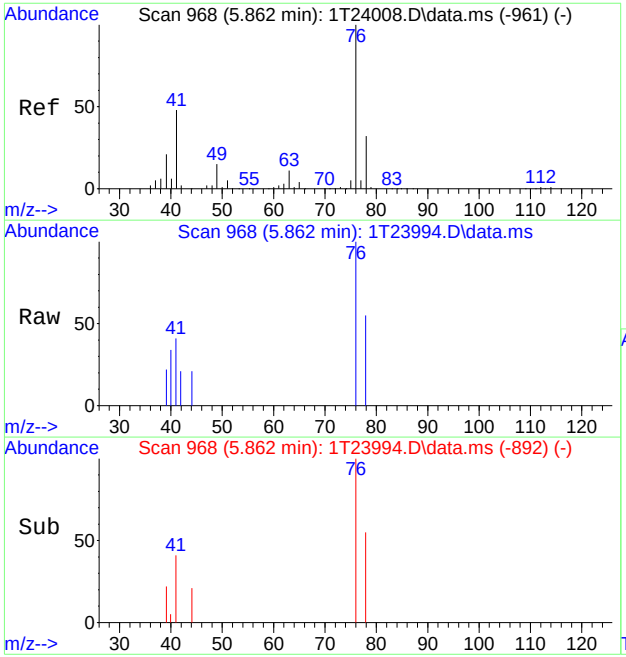


#76
trans-1,3-dichloropropene
Concen: 0.20 ug/L
RT: 5.611 min Scan# 920
Delta R.T. 0.006 min
Lab File: 1T23994.D
Acq: 18 Sep 2025 09:03 am

Tgt Ion: 75 Resp: 878

Ion	Ratio	Lower	Upper
75	100		
77	33.6	12.7	52.7
110	0.0	4.1	44.1#
112	31.7	0.0	35.6

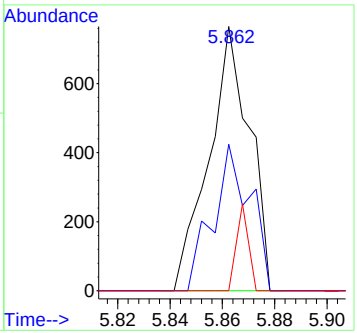


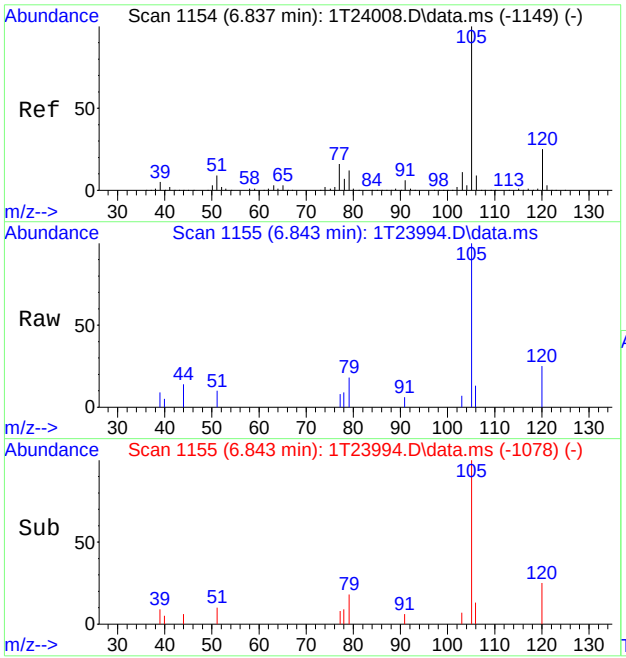


#80
1,3-dichloropropane
Concen: 0.19 ug/L
RT: 5.862 min Scan# 968
Delta R.T. 0.000 min
Lab File: 1T23994.D
Acq: 18 Sep 2025 09:03 am

Tgt Ion: 76 Resp: 828

Ion	Ratio	Lower	Upper
76	100		
78	55.5	2.1	62.1
63	0.0	0.0	40.7

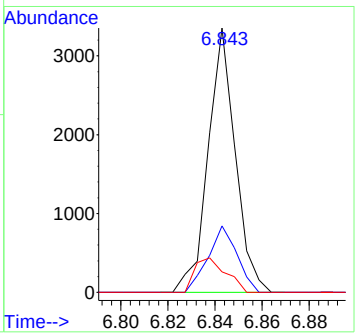




#94
isopropylbenzene
Concen: 0.22 ug/L
RT: 6.843 min Scan# 1155
Delta R.T. 0.006 min
Lab File: 1T23994.D
Acq: 18 Sep 2025 09:03 am

Tgt Ion:105 Resp: 2695

Ion	Ratio	Lower	Upper
105	100		
120	25.1	5.3	45.3
77	7.7	0.0	36.1



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VT579\
Data File : 1T23996.D
Acq On : 18 Sep 2025 10:35 am
Operator : edwardd
Sample : ic579-0.5
Misc : MS96870,V1T0579,5,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 19 11:37:08 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 10:13:15 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	1.987	65	252658	500.00	ug/L		0.00
5) pentafluorobenzene	3.733	168	480375	50.00	ug/L		0.00
50) 1,4-difluorobenzene	4.315	114	757984	50.00	ug/L		0.00
72) chlorobenzene-d5	6.287	117	650890	50.00	ug/L		0.00
96) 1,4-dichlorobenzene-d4	7.556	152	333685	50.00	ug/L		0.00
124) pentafluorobenzene(a)	3.733	168	480375	50.00	ug/L		0.00
132) 1,4-dichlorobenzene-d4(a)	7.556	152	333685	50.00	ug/L		0.00
System Monitoring Compounds							
42) dibromofluoromethane (s)	3.183	113	284015	50.18	ug/L		0.00
Spiked Amount 50.000	Range 75 - 127		Recovery = 100.36%				
51) 1,2-dichloroethane-d4 (s)	3.739	65	273086	48.19	ug/L		0.00
Spiked Amount 50.000	Range 75 - 130		Recovery = 96.38%				
73) toluene-d8 (s)	5.327	98	899301	50.99	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.98%				
97) 4-bromofluorobenzene (s)	6.984	95	301934	50.06	ug/L		0.00
Spiked Amount 50.000	Range 79 - 127		Recovery = 100.12%				
Target Compounds							Qvalue
6) chlorodifluoromethane	0.902	51	1936	0.5508	ug/L		86
7) dichlorodifluoromethane	0.881	85	2113	0.4574	ug/L		88
8) chloromethane	0.976	50	1563	0.6153	ug/L		83
9) vinyl chloride	1.002	62	1769	0.4723	ug/L		95
12) chloroethane	1.206	64	1943	0.6123	ug/L		78
13) trichlorofluoromethane	1.269	101	4090	0.4964	ug/L		88
14) ethyl ether	1.405	74	889	0.4020	ug/L		77
17) 1,1-dichloroethene	1.510	61	2759	0.5226	ug/L		92
22) methylene chloride	1.825	84	1964	0.5456	ug/L		87
25) trans-1,2-dichloroethene	1.909	96	1969	0.5646	ug/L	#	81
27) di-isopropyl ether	2.239	45	2382	0.3563	ug/L		80
30) 1,1-dichloroethane	2.323	63	2511	0.4624	ug/L		68
35) 2,2-dichloropropane	2.837	77	1733	0.3688	ug/L		91
36) cis-1,2-dichloroethene	2.753	96	1550	0.4857	ug/L		78
37) propionitrile	3.618	54	2559	4.3482	ug/L		83
39) bromochloromethane	2.921	128	767	0.4847	ug/L		91
41) chloroform	3.010	47	783	0.5862	ug/L		84
44) 1,1,1-trichloroethane	3.193	97	2065	0.3789	ug/L		81
52) iso-octane	3.471	57	2683	0.4125	ug/L		92
53) benzene	3.597	78	4566	0.4276	ug/L		87
54) tert-amyl methyl ether	3.775	73	3470	0.4956	ug/L	#	48
57) 1,2-dichloroethane	3.812	62	2263	0.5533	ug/L		79
64) 1,2-dichloropropane	4.709	63	1324	0.4952	ug/L		78
66) dibromomethane	4.619	93	1265	0.6304	ug/L		83
67) bromodichloromethane	4.772	83	2030	0.4846	ug/L		74
70) 4-methyl-2-pentanone	5.589	58	1638	1.2890	ug/L	#	79
74) toluene	5.359	92	3744	0.5579	ug/L		86
75) ethyl methacrylate	5.736	69	1335	0.4171	ug/L		73
76) trans-1,3-dichloropropene	5.605	75	1849	0.4067	ug/L		90
77) 1,1,2-trichloroethane	5.700	83	917	0.4166	ug/L	#	77
78) tetrachloroethene	5.584	166	1445	0.4962	ug/L	#	69
79) 2-hexanone	6.129	58	1731	1.3668	ug/L		97
80) 1,3-dichloropropane	5.862	76	1813	0.4081	ug/L		90
82) dibromochloromethane	5.804	129	1445	0.4362	ug/L		94
83) 1,2-dibromoethane	5.941	107	1134	0.3923	ug/L		74
85) chlorobenzene	6.297	112	4159	0.5406	ug/L	#	67
86) 1,1,1,2-tetrachloroethane	6.339	131	1257	0.4444	ug/L		80
87) ethylbenzene	6.323	91	6730	0.5138	ug/L		86

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VT579\
Data File : 1T23996.D
Acq On : 18 Sep 2025 10:35 am
Operator : edwardd
Sample : ic579-0.5
Misc : MS96870,V1T0579,5,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 19 11:37:08 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 10:13:15 2025
Response via : Initial Calibration

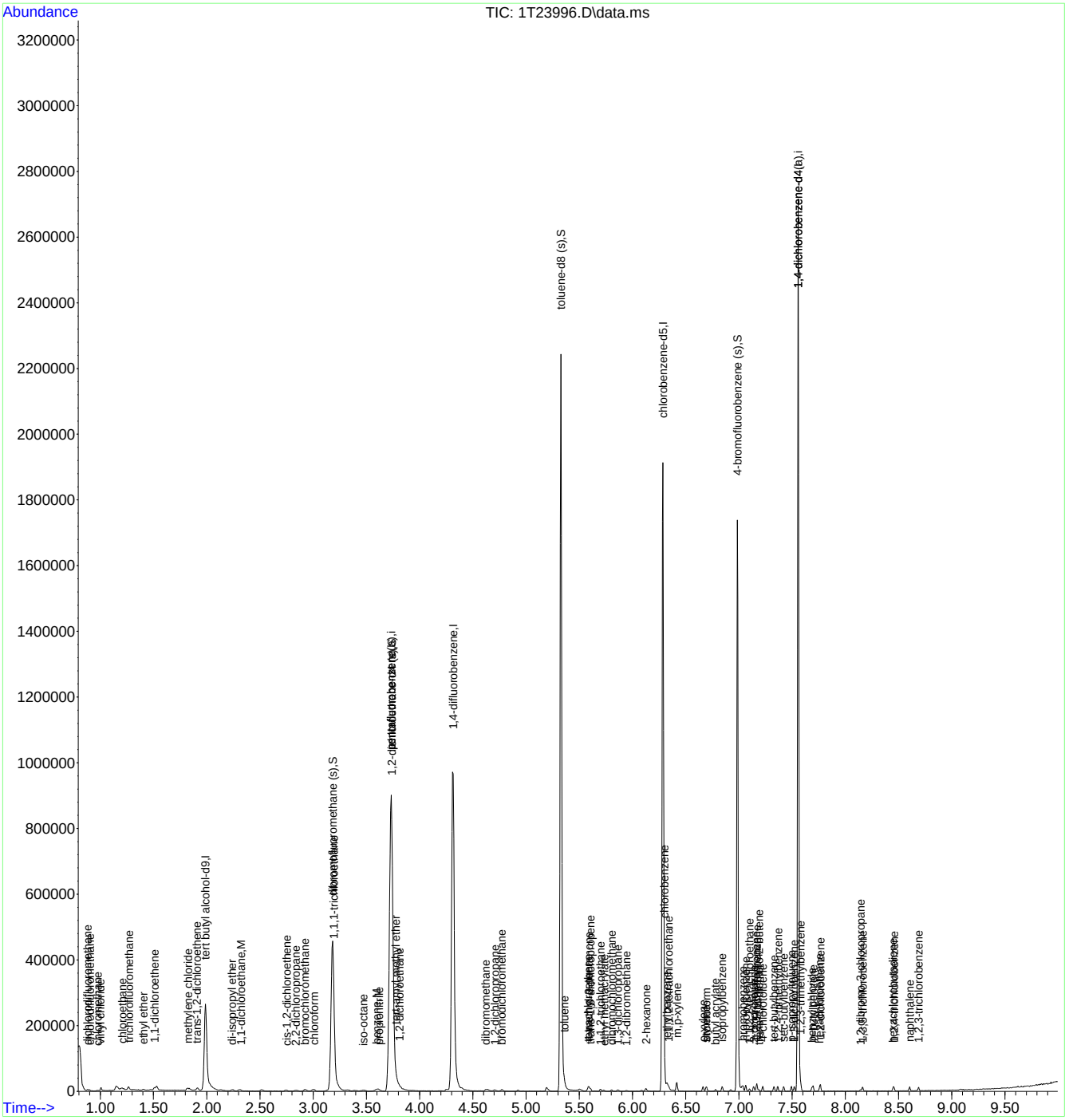
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
88)	m,p-xylene	6.418	106	4876	0.9386	ug/L		97
89)	o-xylene	6.664	106	2508	0.5128	ug/L		88
90)	styrene	6.691	104	3282	0.3902	ug/L		93
91)	bromoform	6.696	173	1186	0.4952	ug/L		93
92)	butyl acrylate	6.780	55	1906	0.3828	ug/L		90
94)	isopropylbenzene	6.843	105	5206	0.3851	ug/L		93
98)	bromobenzene	7.037	156	1881	0.6049	ug/L		90
99)	1,1,2,2-tetrachloroethane	7.099	83	2186	0.5659	ug/L		78
100)	trans-1,4-dichloro-2-b...	7.189	53	492	0.4751	ug/L		87
101)	1,2,3-trichloropropane	7.162	110	846	0.6017	ug/L		91
102)	n-propylbenzene	7.063	91	7548	0.5006	ug/L		100
103)	2-chlorotoluene	7.141	126	1617	0.5538	ug/L	#	58
104)	4-chlorotoluene	7.225	91	4495	0.4765	ug/L		92
105)	1,3,5-trimethylbenzene	7.168	105	4553	0.4101	ug/L		98
106)	tert-butylbenzene	7.330	119	3572	0.4081	ug/L		88
107)	1,2,4-trimethylbenzene	7.367	105	4256	0.3722	ug/L		97
108)	sec-butylbenzene	7.419	105	4882	0.3800	ug/L		86
109)	1,3-dichlorobenzene	7.519	146	3037	0.4893	ug/L		88
110)	p-isopropyltoluene	7.493	119	4031	0.3555	ug/L		91
112)	1,2-dichlorobenzene	7.765	146	3177	0.5410	ug/L		92
113)	1,2,3-trimethylbenzene	7.577	105	5591	0.4718	ug/L		91
114)	n-butylbenzene	7.697	134	1067	0.4028	ug/L	#	75
115)	1,2-dibromo-3-chloropr...	8.143	157	646	0.5806	ug/L	#	67
116)	1,3,5-trichlorobenzene	8.164	180	2027	0.5153	ug/L		87
117)	1,2,4-trichlorobenzene	8.457	180	1821	0.5316	ug/L		76
118)	hexachlorobutadiene	8.447	225	801	0.5926	ug/L	#	60
119)	naphthalene	8.604	128	4320	0.3720	ug/L		89
120)	1,2,3-trichlorobenzene	8.688	180	1620	0.4915	ug/L		77
121)	hexachloroethane	7.755	119	918	0.4452	ug/L		88
122)	benzyl chloride	7.687	126	759	0.4264	ug/L		77

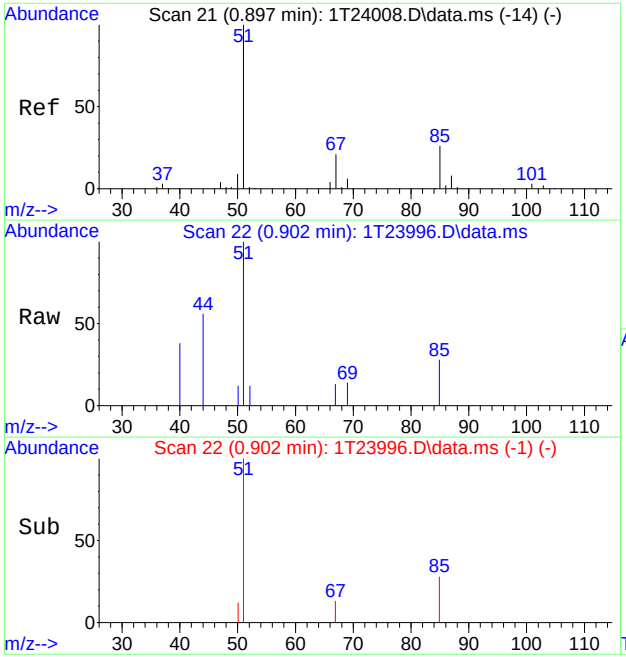
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VT579\
Data File : 1T23996.D
Acq On : 18 Sep 2025 10:35 am
Operator : edwardd
Sample : ic579-0.5
Misc : MS96870,V1T0579,5,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 19 11:37:08 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 10:13:15 2025
Response via : Initial Calibration

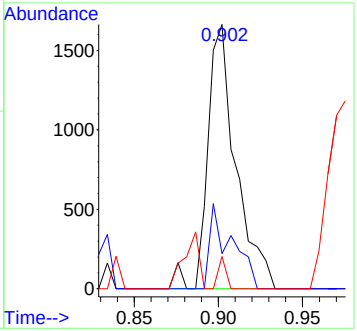


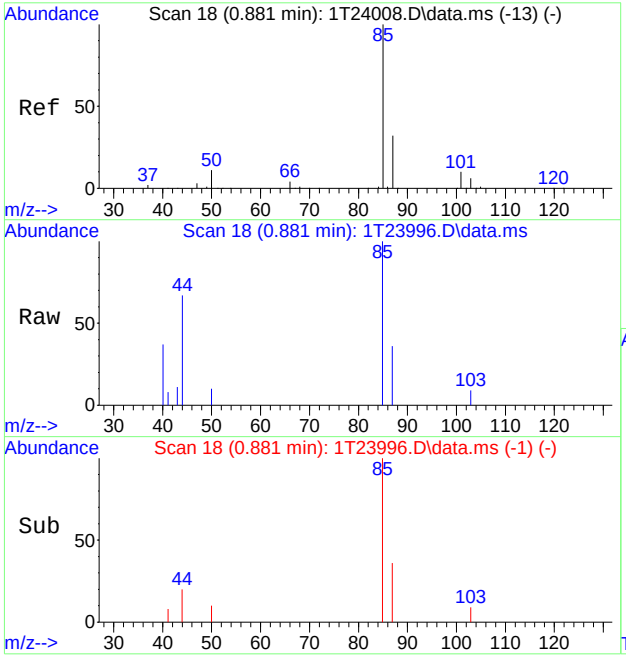


#6
chlorodifluoromethane
Concen: 0.55 ug/L
RT: 0.902 min Scan# 22
Delta R.T. 0.005 min
Lab File: 1T23996.D
Acq: 18 Sep 2025 10:35 am

Tgt Ion: 51 Resp: 1936

Ion	Ratio	Lower	Upper
51	100		
67	13.3	0.0	51.0
50	12.2	0.0	38.8

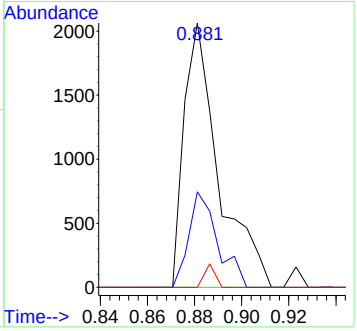


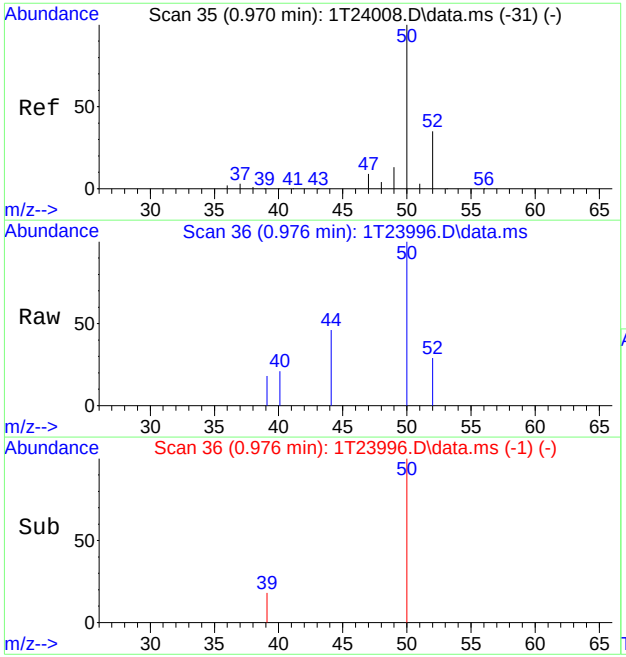


#7
dichlorodifluoromethane
Concen: 0.46 ug/L
RT: 0.881 min Scan# 18
Delta R.T. -0.000 min
Lab File: 1T23996.D
Acq: 18 Sep 2025 10:35 am

Tgt Ion: 85 Resp: 2113

Ion	Ratio	Lower	Upper
85	100		
87	36.2	1.6	61.6
101	0.0	0.0	39.6

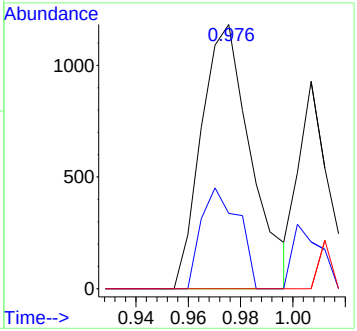


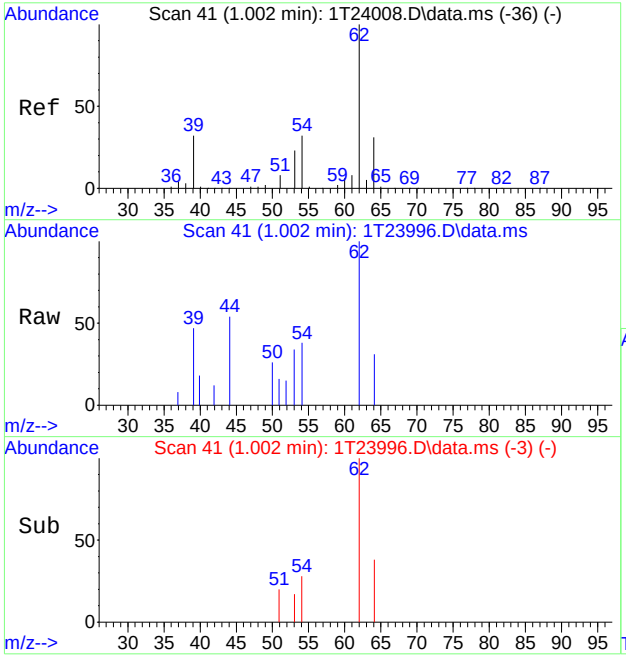


#8
chloromethane
Concen: 0.62 ug/L
RT: 0.976 min Scan# 36
Delta R.T. 0.005 min
Lab File: 1T23996.D
Acq: 18 Sep 2025 10:35 am

Tgt Ion: 50 Resp: 1563

Ion	Ratio	Lower	Upper
50	100		
52	28.5	5.4	65.4
49	0.0	0.0	42.5

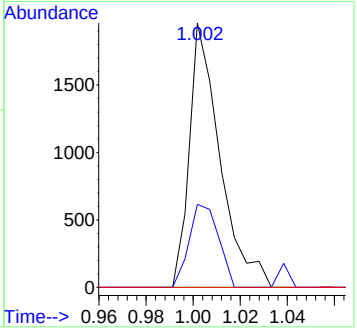


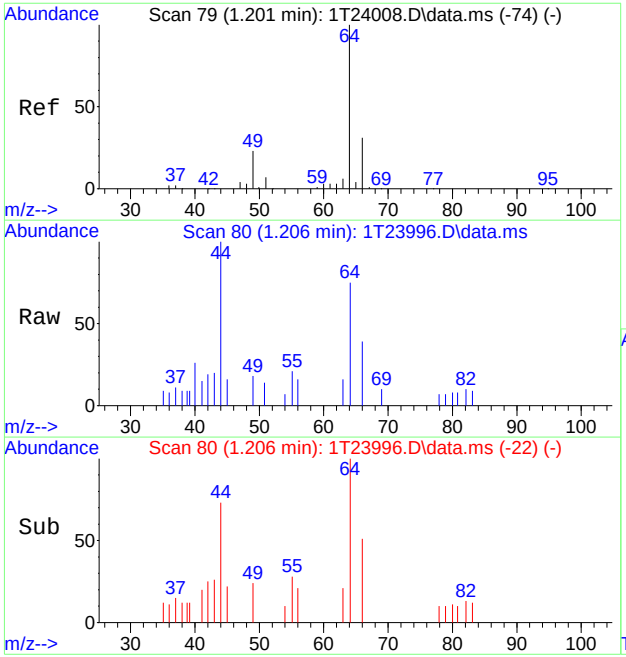


#9
vinyl chloride
Concen: 0.47 ug/L
RT: 1.002 min Scan# 41
Delta R.T. -0.000 min
Lab File: 1T23996.D
Acq: 18 Sep 2025 10:35 am

Tgt Ion: 62 Resp: 1769

Ion	Ratio	Lower	Upper
62	100		
64	31.4	1.5	61.5
61	0.0	0.0	38.2

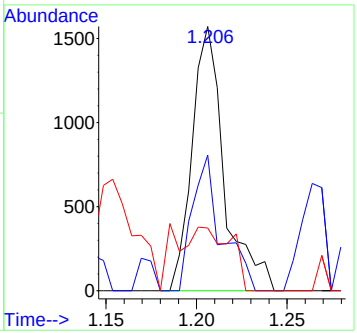


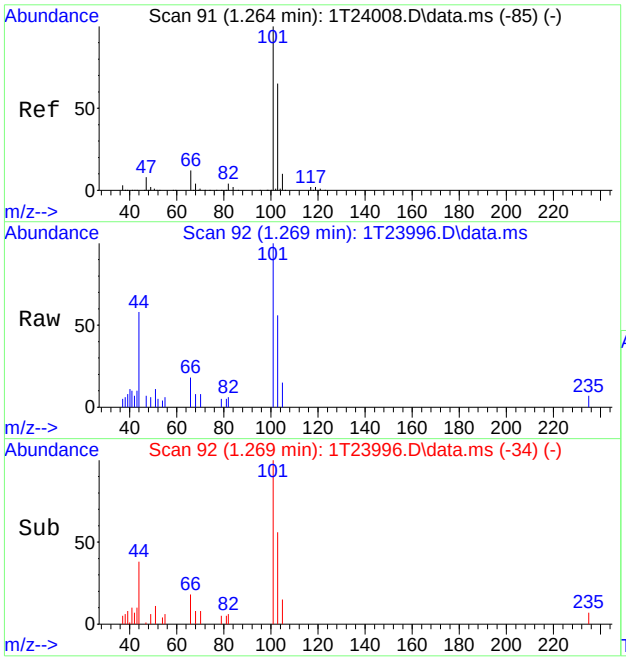


#12
chloroethane
Concen: 0.61 ug/L
RT: 1.206 min Scan# 80
Delta R.T. 0.005 min
Lab File: 1T23996.D
Acq: 18 Sep 2025 10:35 am

Tgt Ion: 64 Resp: 1943

Ion	Ratio	Lower	Upper
64	100		
66	51.3	0.9	60.9
49	23.8	0.0	52.7

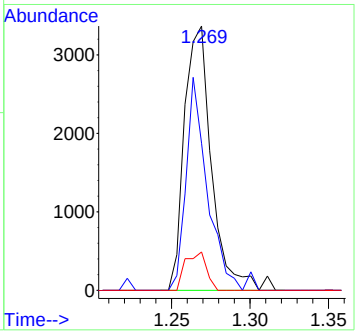


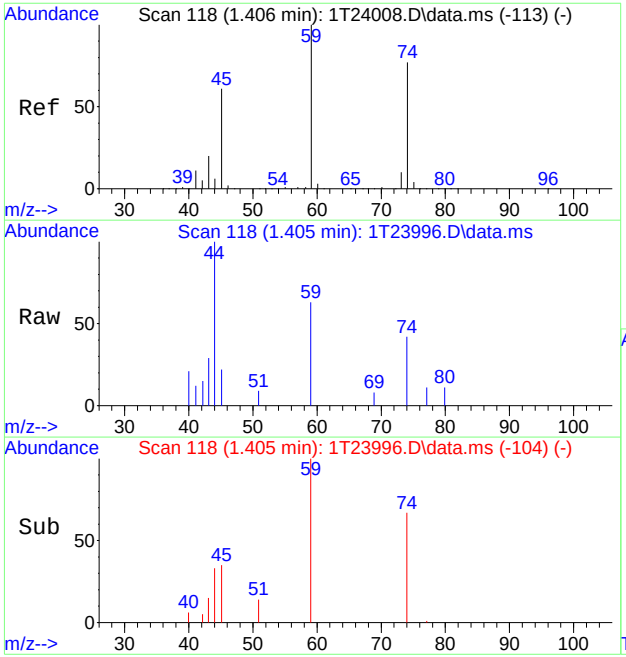


#13
trichlorofluoromethane
Concen: 0.50 ug/L
RT: 1.269 min Scan# 92
Delta R.T. 0.005 min
Lab File: 1T23996.D
Acq: 18 Sep 2025 10:35 am

Tgt Ion:101 Resp: 4090

Ion	Ratio	Lower	Upper
101	100		
103	55.6	34.8	94.8
105	14.6	0.0	40.0

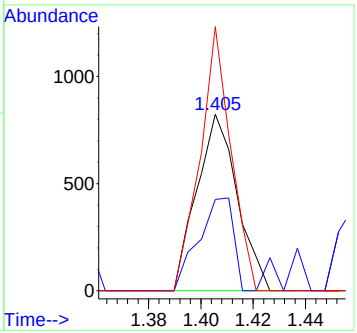


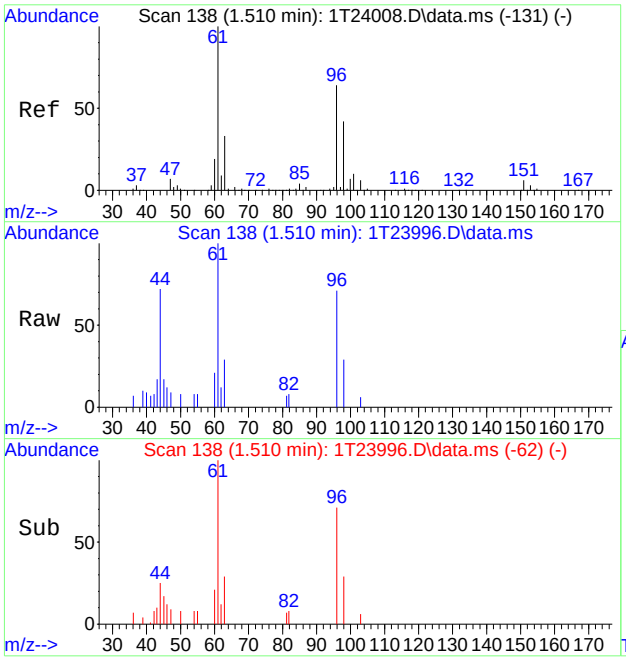


#14
ethyl ether
Concen: 0.40 ug/L
RT: 1.405 min Scan# 118
Delta R.T. -0.000 min
Lab File: 1T23996.D
Acq: 18 Sep 2025 10:35 am

Tgt Ion: 74 Resp: 889

Ion	Ratio	Lower	Upper
74	100		
45	51.8	48.9	108.9
59	149.8	99.2	159.2

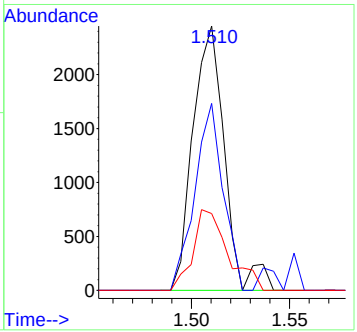


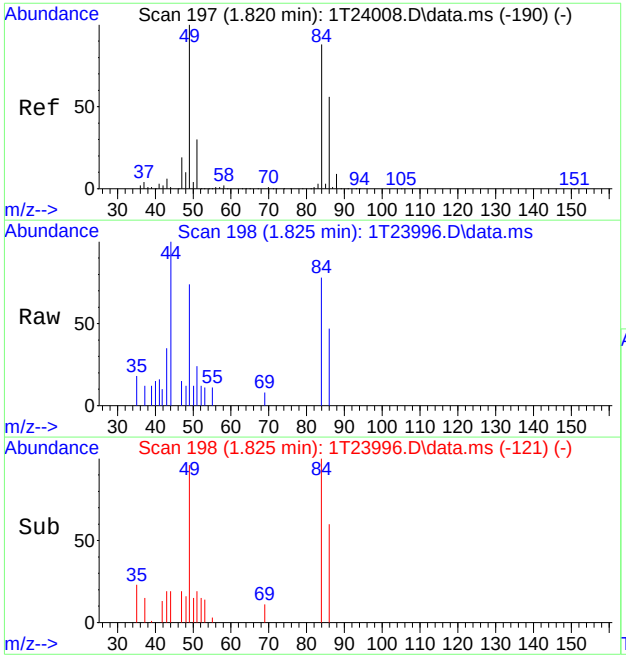


#17
1,1-dichloroethene
Concen: 0.52 ug/L
RT: 1.510 min Scan# 138
Delta R.T. -0.000 min
Lab File: 1T23996.D
Acq: 18 Sep 2025 10:35 am

Tgt Ion: 61 Resp: 2759

Ion	Ratio	Lower	Upper
61	100		
96	70.7	33.7	93.7
63	29.0	2.8	62.8

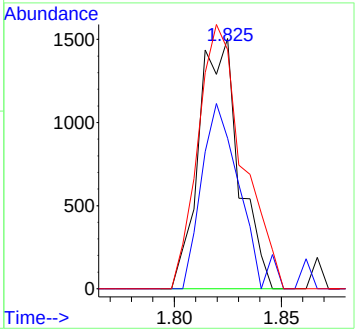


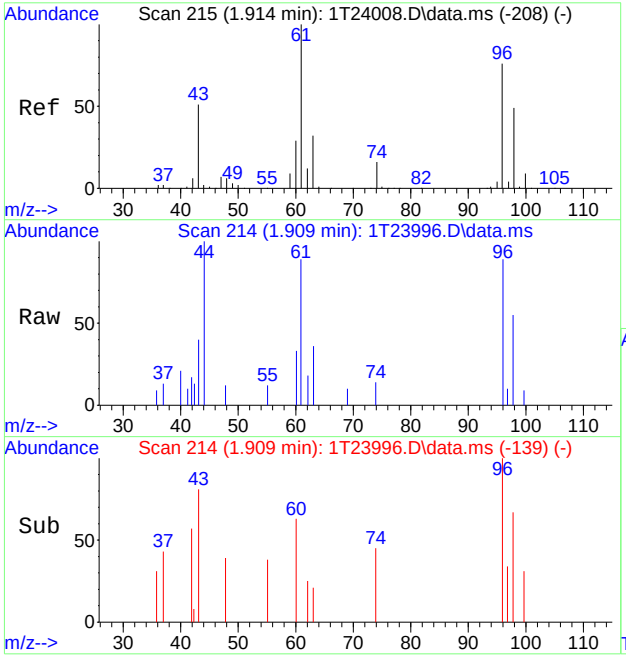


#22
methylene chloride
Concen: 0.55 ug/L
RT: 1.825 min Scan# 198
Delta R.T. 0.005 min
Lab File: 1T23996.D
Acq: 18 Sep 2025 10:35 am

Tgt Ion: 84 Resp: 1964

Ion	Ratio	Lower	Upper
84	100		
86	60.1	34.2	94.2
49	95.6	84.0	144.0

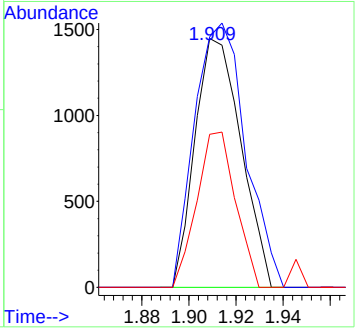


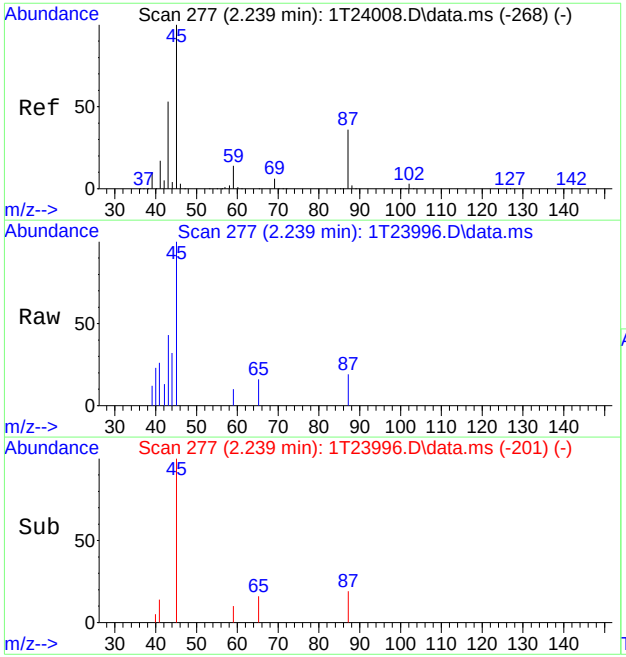


#25
trans-1,2-dichloroethene
Concen: 0.56 ug/L
RT: 1.909 min Scan# 214
Delta R.T. -0.005 min
Lab File: 1T23996.D
Acq: 18 Sep 2025 10:35 am

Tgt Ion: 96 Resp: 1969

Ion	Ratio	Lower	Upper
96	100		
61	100.7	101.0	161.0#
98	61.5	34.5	94.5

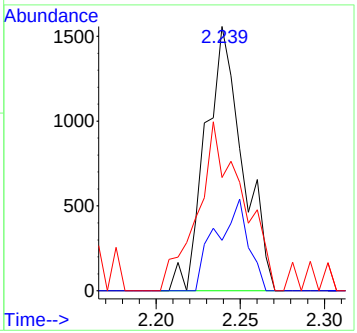


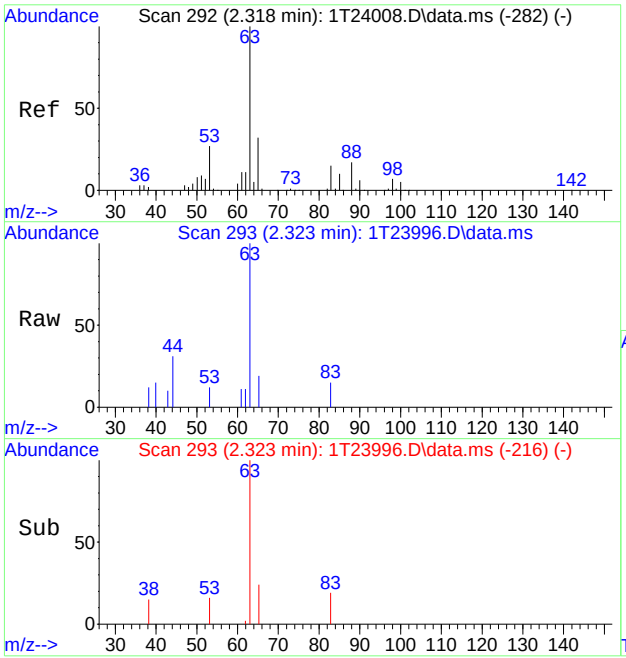


#27
di-isopropyl ether
Concen: 0.36 ug/L
RT: 2.239 min Scan# 277
Delta R.T. -0.000 min
Lab File: 1T23996.D
Acq: 18 Sep 2025 10:35 am

Tgt Ion: 45 Resp: 2382

Ion	Ratio	Lower	Upper
45	100		
87	19.1	6.3	66.3
43	42.8	23.0	83.0

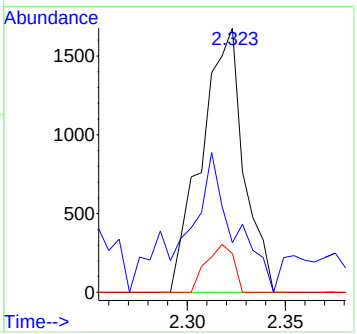


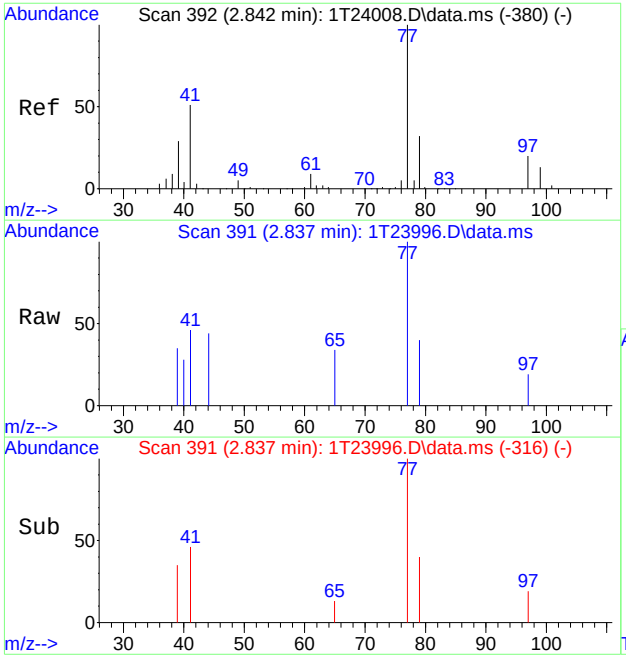


#30
1,1-dichloroethane
Concen: 0.46 ug/L
RT: 2.323 min Scan# 293
Delta R.T. 0.005 min
Lab File: 1T23996.D
Acq: 18 Sep 2025 10:35 am

Tgt Ion: 63 Resp: 2511

Ion	Ratio	Lower	Upper
63	100		
65	5.7	2.0	62.0
83	14.7	0.0	45.2

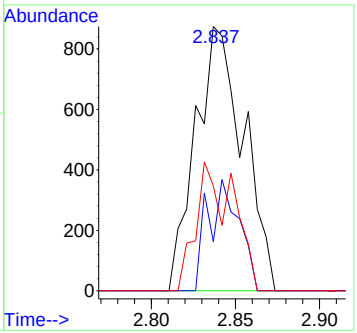


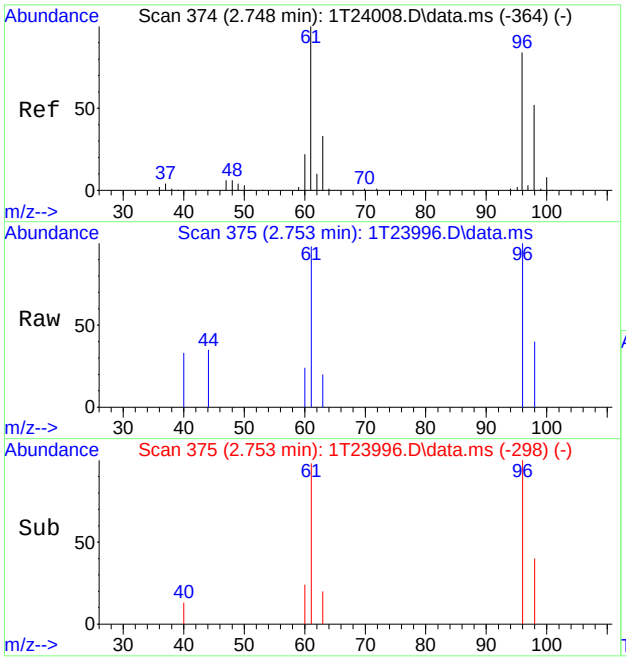


#35
2,2-dichloropropane
Concen: 0.37 ug/L
RT: 2.837 min Scan# 391
Delta R.T. -0.005 min
Lab File: 1T23996.D
Acq: 18 Sep 2025 10:35 am

Tgt Ion: 77 Resp: 1733

Ion	Ratio	Lower	Upper
77	100		
97	18.6	0.0	50.0
79	39.7	2.2	62.2

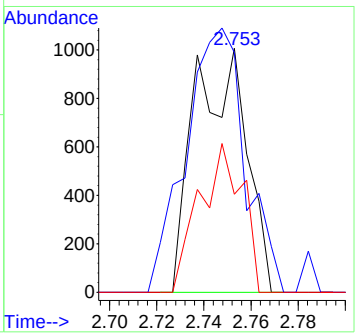


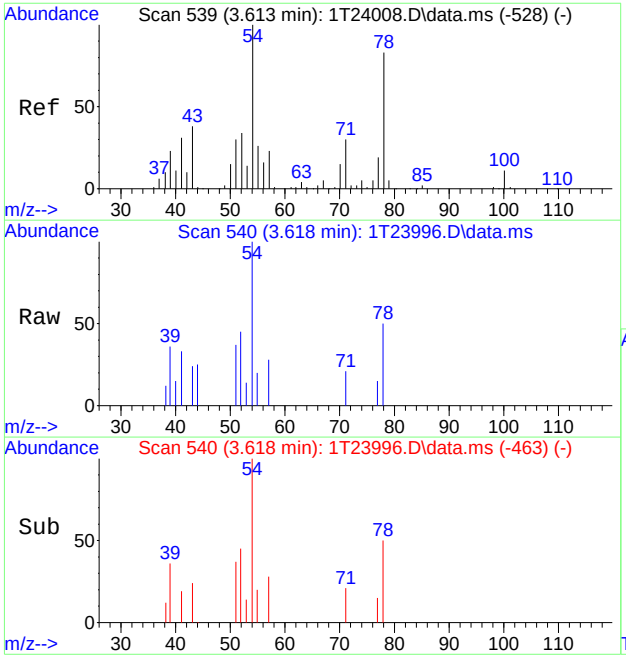


#36
cis-1,2-dichloroethene
Concen: 0.49 ug/L
RT: 2.753 min Scan# 375
Delta R.T. 0.005 min
Lab File: 1T23996.D
Acq: 18 Sep 2025 10:35 am

Tgt Ion: 96 Resp: 1550

Ion	Ratio	Lower	Upper
96	100		
61	98.3	89.4	149.4
98	40.2	32.0	92.0

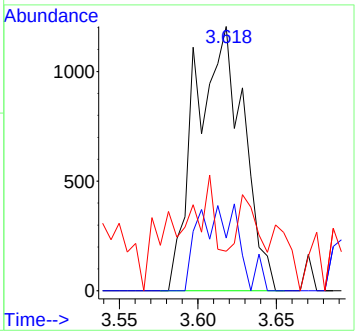


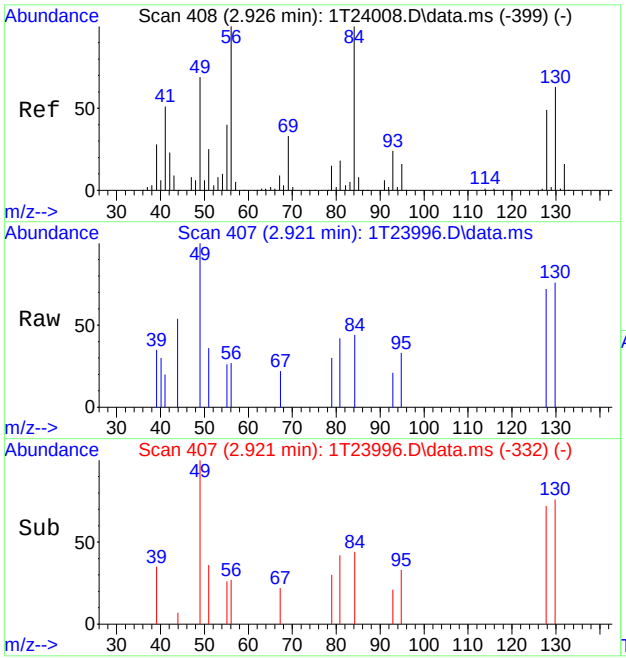


#37
propionitrile
Concen: 4.35 ug/L
RT: 3.618 min Scan# 540
Delta R.T. 0.005 min
Lab File: 1T23996.D
Acq: 18 Sep 2025 10:35 am

Tgt Ion: 54 Resp: 2559

Ion	Ratio	Lower	Upper
54	100		
55	20.0	0.0	55.9
40	0.0	0.0	41.2

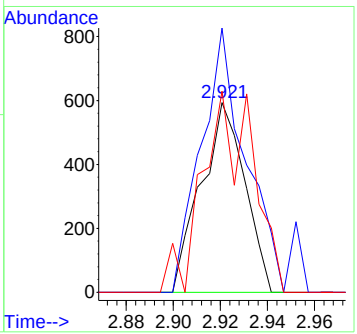


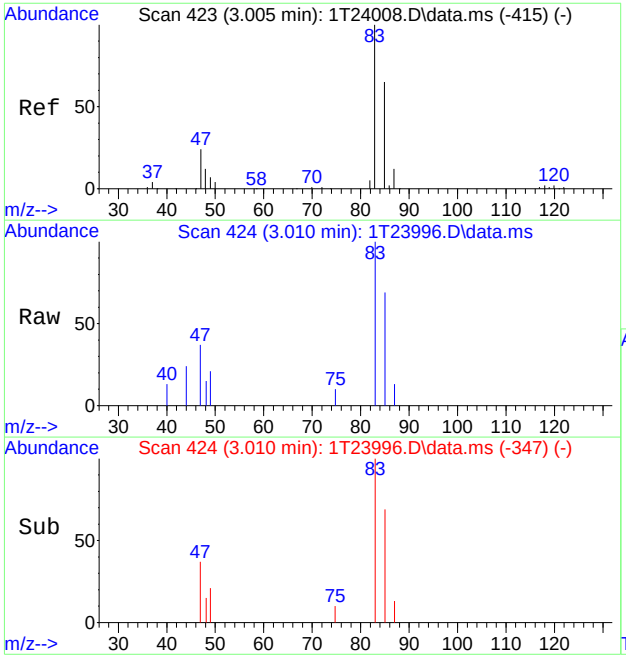


#39
bromochloromethane
Concen: 0.48 ug/L
RT: 2.921 min Scan# 407
Delta R.T. -0.005 min
Lab File: 1T23996.D
Acq: 18 Sep 2025 10:35 am

Tgt Ion:128 Resp: 767

Ion	Ratio	Lower	Upper
128	100		
49	139.5	110.2	170.2
130	106.1	98.0	158.0

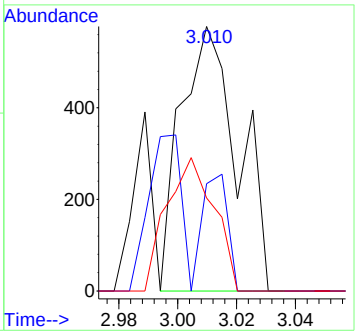


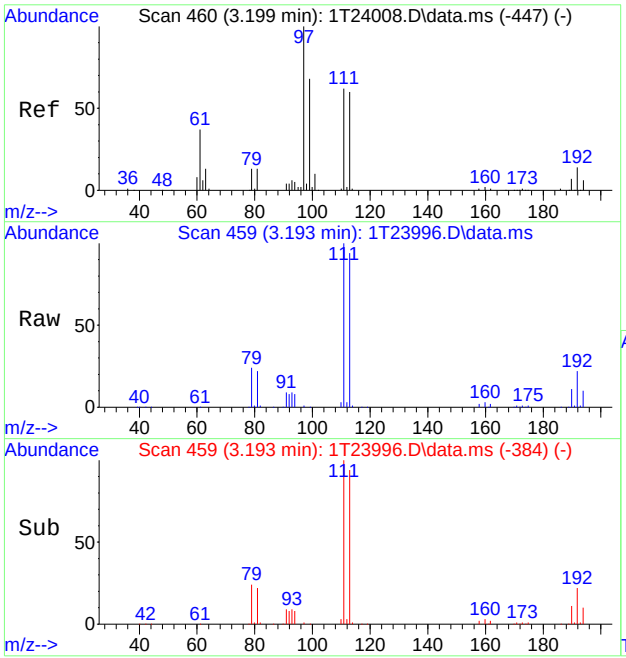


#41
chloroform
Concen: 0.59 ug/L
RT: 3.010 min Scan# 424
Delta R.T. 0.005 min
Lab File: 1T23996.D
Acq: 18 Sep 2025 10:35 am

Tgt Ion: 47 Resp: 783

Ion	Ratio	Lower	Upper
47	100		
48	40.5	19.2	79.2
87	35.1	18.5	78.5

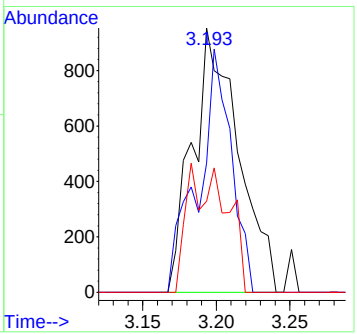


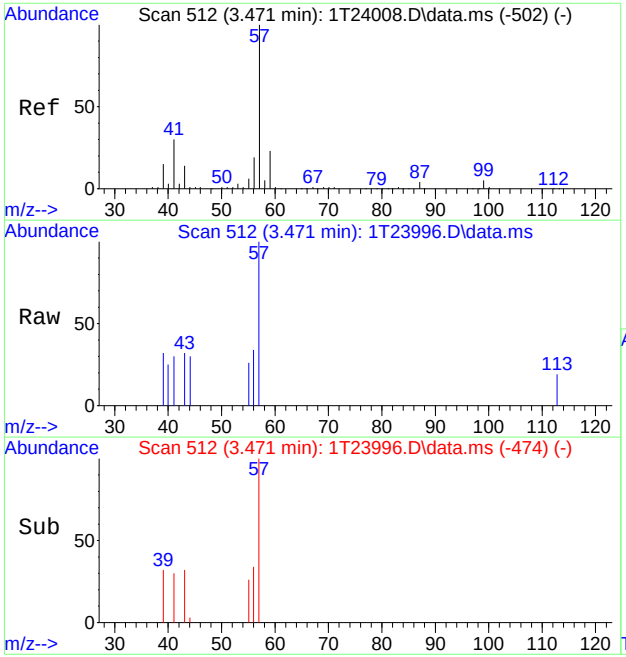


#44
1,1,1-trichloroethane
Concen: 0.38 ug/L
RT: 3.193 min Scan# 459
Delta R.T. -0.005 min
Lab File: 1T23996.D
Acq: 18 Sep 2025 10:35 am

Tgt Ion: 97 Resp: 2065

Ion	Ratio	Lower	Upper
97	100		
99	48.8	38.0	98.0
61	34.5	11.6	71.6

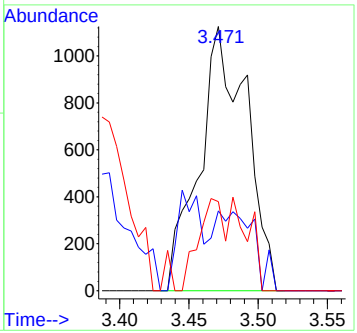


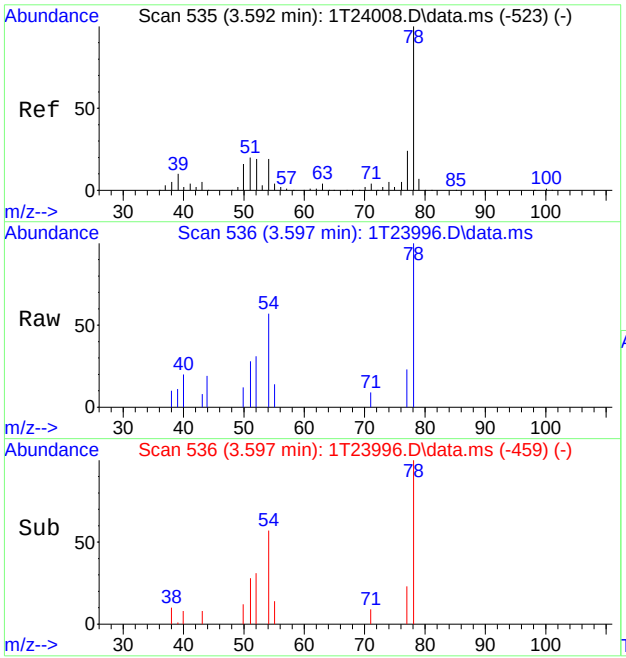


#52
iso-octane
Concen: 0.41 ug/L
RT: 3.471 min Scan# 512
Delta R.T. -0.000 min
Lab File: 1T23996.D
Acq: 18 Sep 2025 10:35 am

Tgt Ion: 57 Resp: 2683

Ion	Ratio	Lower	Upper
57	100		
41	30.2	17.8	57.8
56	33.7	15.2	55.2

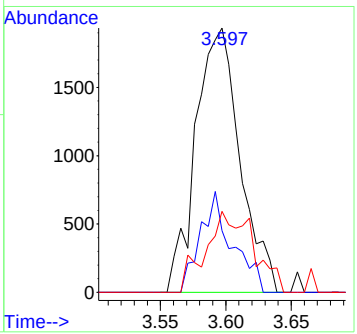


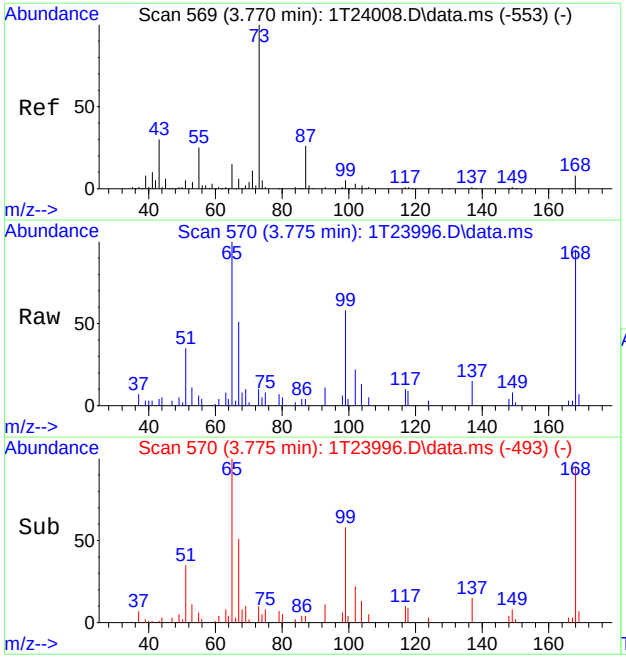


#53
benzene
Concen: 0.43 ug/L
RT: 3.597 min Scan# 536
Delta R.T. 0.005 min
Lab File: 1T23996.D
Acq: 18 Sep 2025 10:35 am

Tgt Ion: 78 Resp: 4566

Ion	Ratio	Lower	Upper
78	100		
77	23.4	0.0	54.3
52	30.7	0.0	48.8

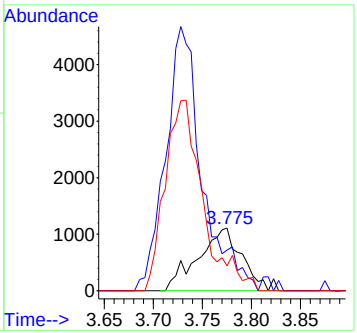


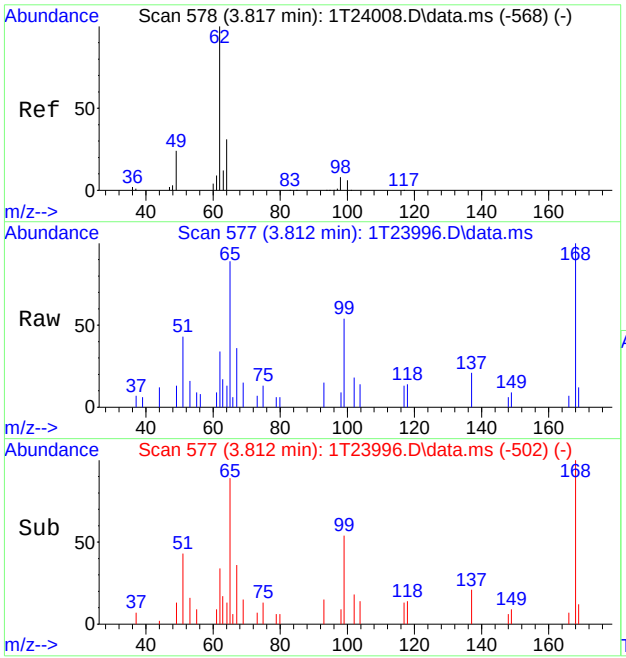


#54
tert-amyl methyl ether
Concen: 0.50 ug/L
RT: 3.775 min Scan# 570
Delta R.T. 0.005 min
Lab File: 1T23996.D
Acq: 18 Sep 2025 10:35 am

Tgt Ion: 73 Resp: 3470

Ion	Ratio	Lower	Upper
73	100		
55	65.0	5.6	45.6#
87	39.7	6.1	46.1

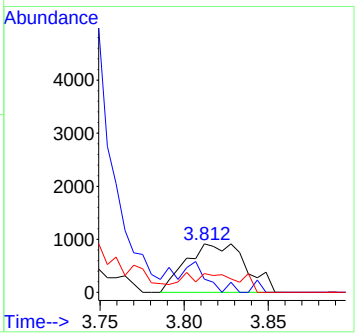


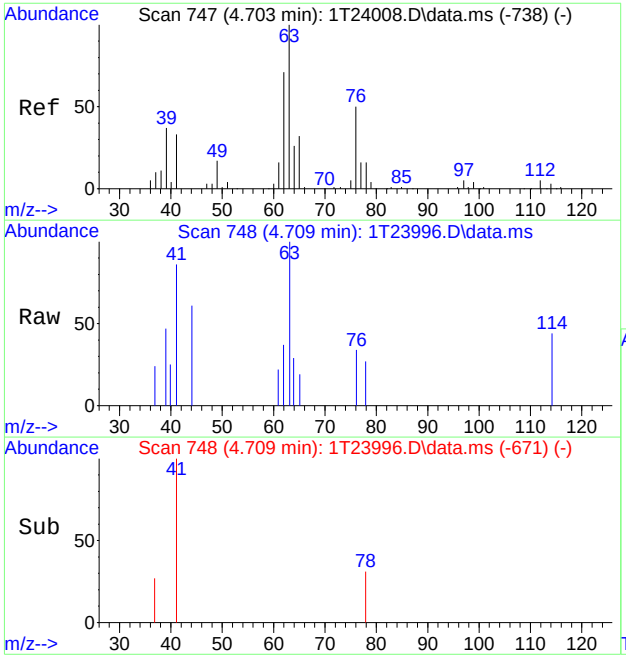


#57
1,2-dichloroethane
Concen: 0.55 ug/L
RT: 3.812 min Scan# 577
Delta R.T. -0.005 min
Lab File: 1T23996.D
Acq: 18 Sep 2025 10:35 am

Tgt Ion: 62 Resp: 2263

Ion	Ratio	Lower	Upper
62	100		
98	27.3	0.0	39.3
64	39.0	1.8	61.8

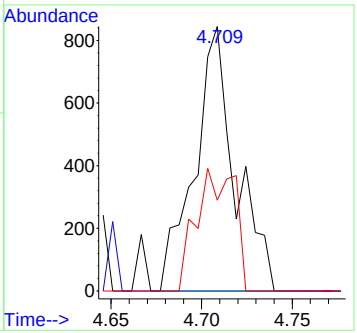


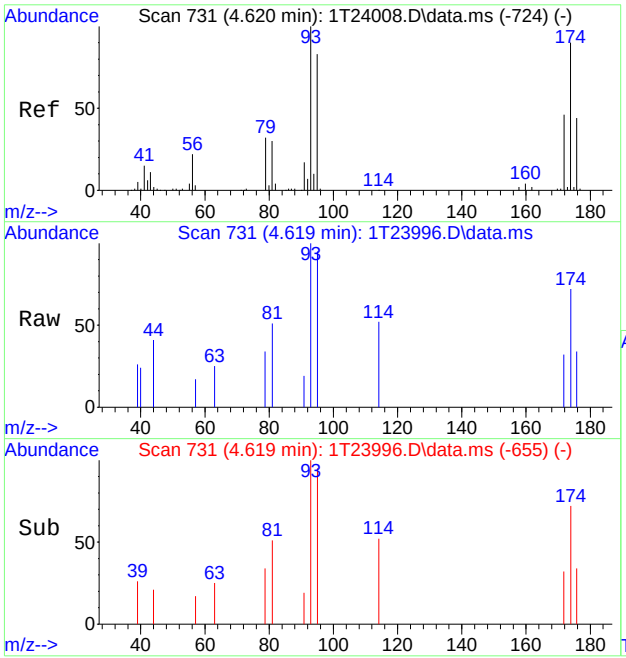


#64
1,2-dichloropropane
Concen: 0.50 ug/L
RT: 4.709 min Scan# 748
Delta R.T. 0.005 min
Lab File: 1T23996.D
Acq: 18 Sep 2025 10:35 am

Tgt Ion: 63 Resp: 1324

Ion	Ratio	Lower	Upper
63	100		
112	0.0	0.0	34.7
76	34.3	20.1	80.1

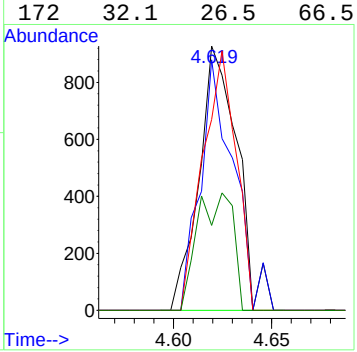


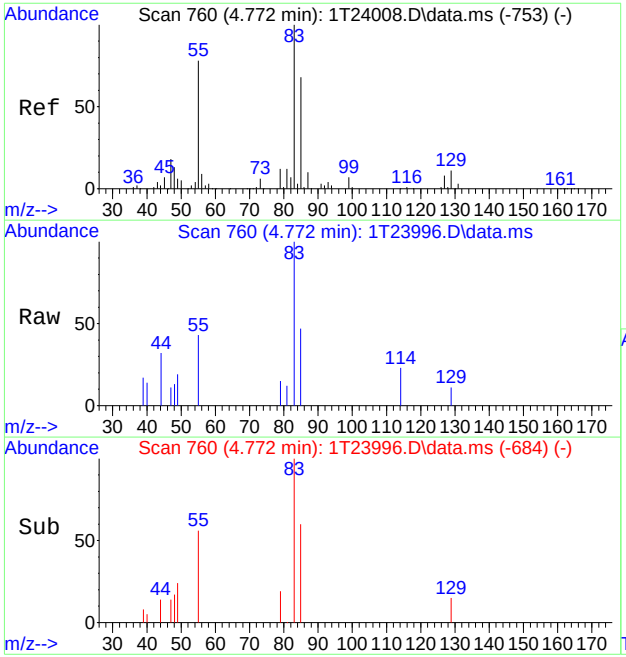


#66
dibromomethane
Concen: 0.63 ug/L
RT: 4.619 min Scan# 731
Delta R.T. -0.000 min
Lab File: 1T23996.D
Acq: 18 Sep 2025 10:35 am

Tgt Ion: 93 Resp: 1265

Ion	Ratio	Lower	Upper
93	100		
95	94.7	53.3	113.3
174	72.2	59.6	119.6
172	32.1	26.5	66.5

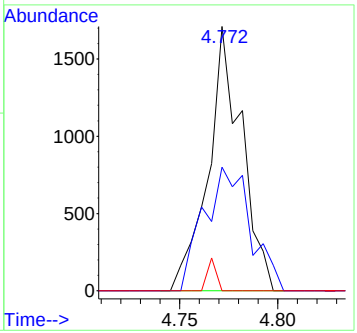


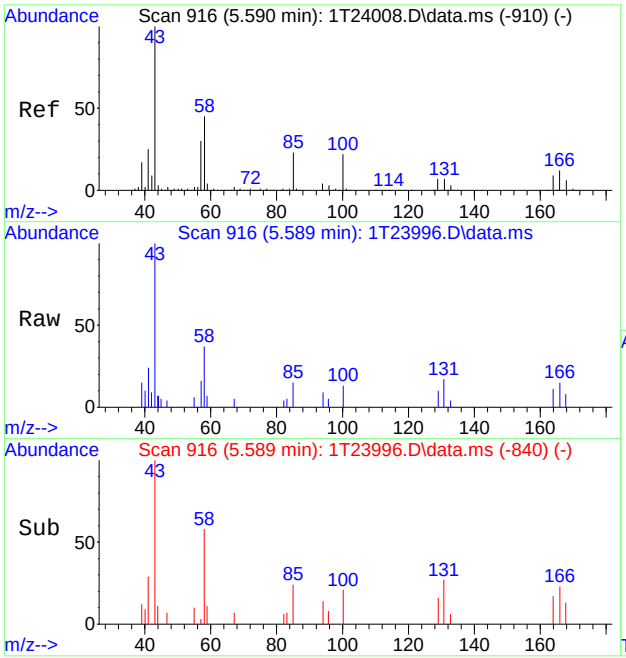


#67
bromodichloromethane
Concen: 0.48 ug/L
RT: 4.772 min Scan# 760
Delta R.T. -0.000 min
Lab File: 1T23996.D
Acq: 18 Sep 2025 10:35 am

Tgt Ion: 83 Resp: 2030

Ion	Ratio	Lower	Upper
83	100		
85	46.8	38.0	98.0
127	0.0	0.0	38.3

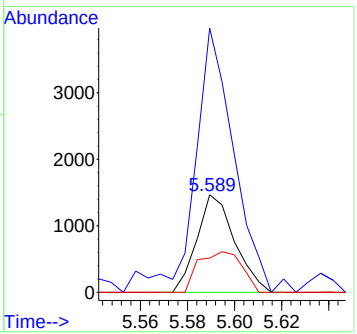


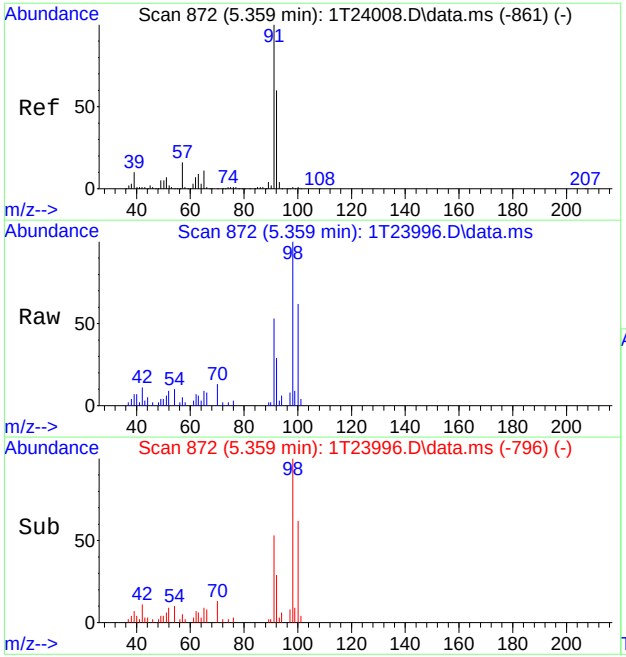


#70
4-methyl-2-pentanone
Concen: 1.29 ug/L
RT: 5.589 min Scan# 916
Delta R.T. -0.000 min
Lab File: 1T23996.D
Acq: 18 Sep 2025 10:35 am

Tgt Ion: 58 Resp: 1638

Ion	Ratio	Lower	Upper
58	100		
43	257.2	192.2	252.2#
100	35.2	18.2	78.2

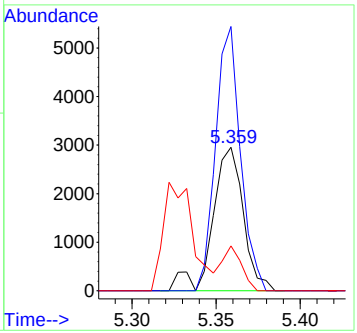


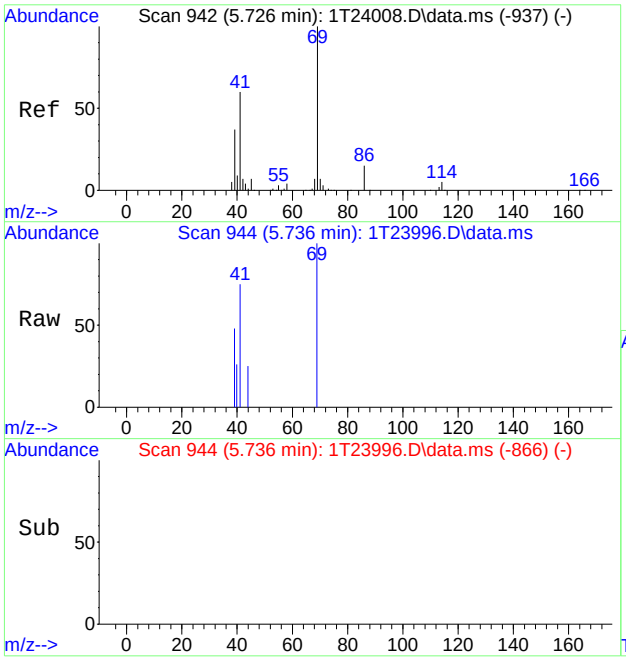


#74
toluene
Concen: 0.56 ug/L
RT: 5.359 min Scan# 872
Delta R.T. -0.000 min
Lab File: 1T23996.D
Acq: 18 Sep 2025 10:35 am

Tgt Ion: 92 Resp: 3744

Ion	Ratio	Lower	Upper
92	100		
91	184.0	147.9	187.9
65	31.3	0.0	38.0

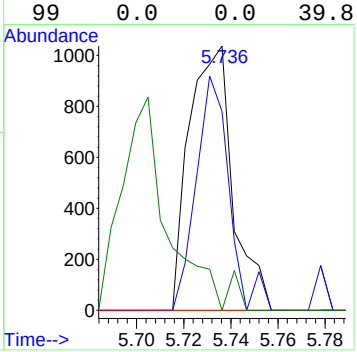


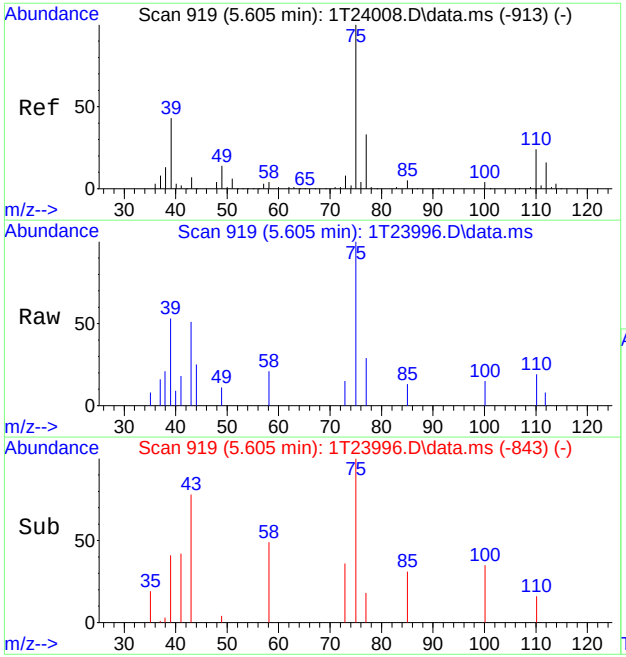


#75
ethyl methacrylate
Concen: 0.42 ug/L
RT: 5.736 min Scan# 944
Delta R.T. 0.010 min
Lab File: 1T23996.D
Acq: 18 Sep 2025 10:35 am

Tgt Ion: 69 Resp: 1335

Ion	Ratio	Lower	Upper
69	100		
41	75.3	40.2	80.2
86	0.0	0.0	35.4
99	0.0	0.0	39.8

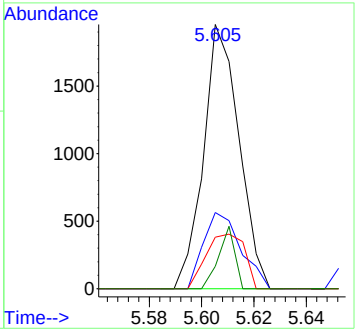


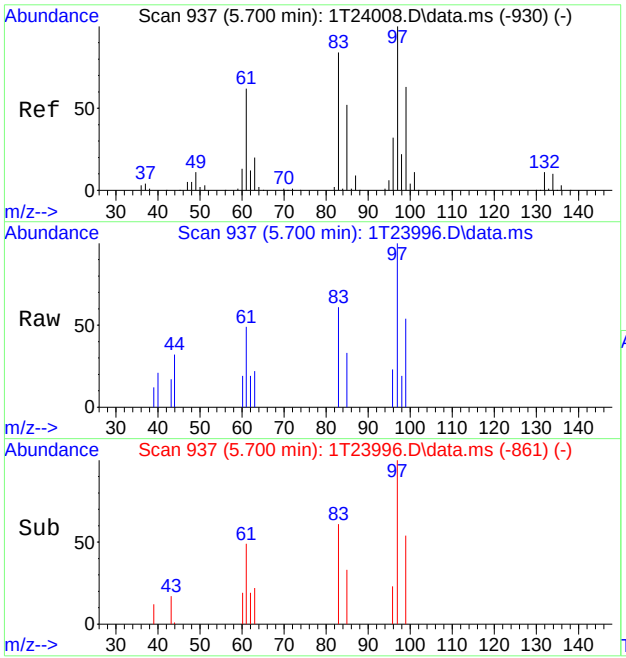


#76
trans-1,3-dichloropropene
Concen: 0.41 ug/L
RT: 5.605 min Scan# 919
Delta R.T. -0.000 min
Lab File: 1T23996.D
Acq: 18 Sep 2025 10:35 am

Tgt Ion: 75 Resp: 1849

Ion	Ratio	Lower	Upper
75	100		
77	28.8	12.7	52.7
110	19.5	4.1	44.1
112	8.5	0.0	35.6

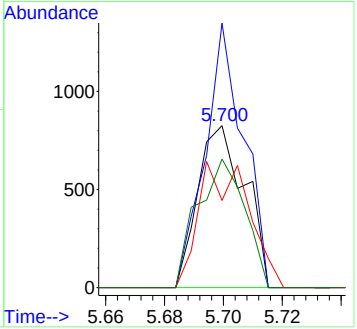


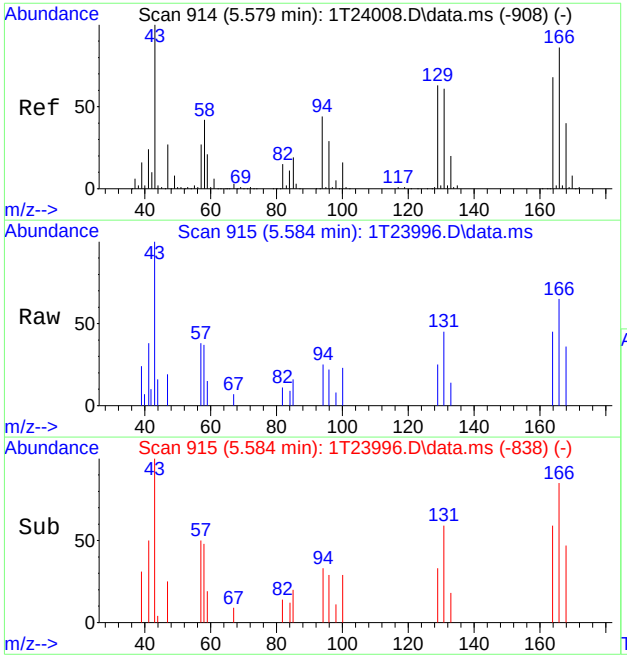


#77
1,1,2-trichloroethane
Concen: 0.42 ug/L
RT: 5.700 min Scan# 937
Delta R.T. -0.000 min
Lab File: 1T23996.D
Acq: 18 Sep 2025 10:35 am

Tgt Ion: 83 Resp: 917

Ion	Ratio	Lower	Upper
83	100		
97	163.3	98.8	138.8#
85	53.8	41.6	81.6
61	79.3	53.7	93.7

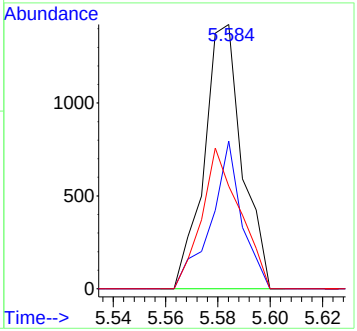


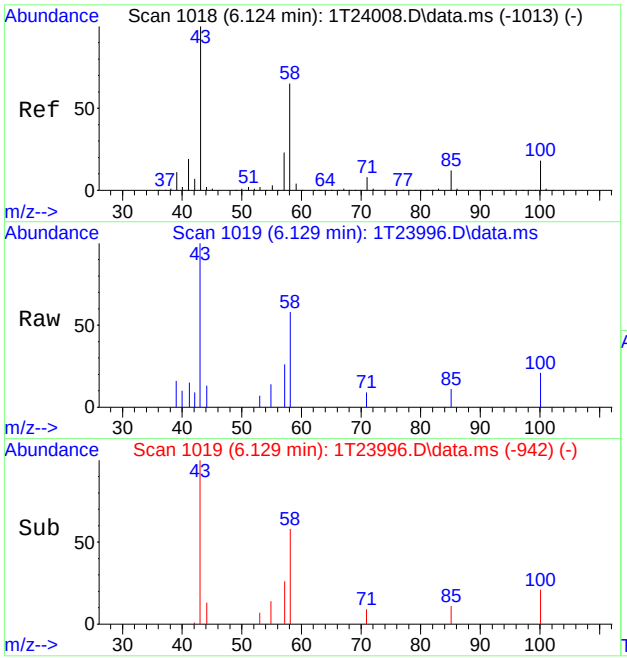


#78
tetrachloroethene
Concen: 0.50 ug/L
RT: 5.584 min Scan# 915
Delta R.T. 0.005 min
Lab File: 1T23996.D
Acq: 18 Sep 2025 10:35 am

Tgt Ion:166 Resp: 1445

Ion	Ratio	Lower	Upper
166	100		
168	55.8	16.8	76.8
129	38.8	43.9	103.9#

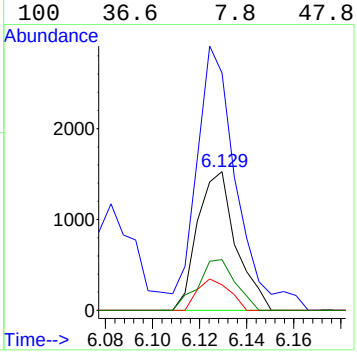


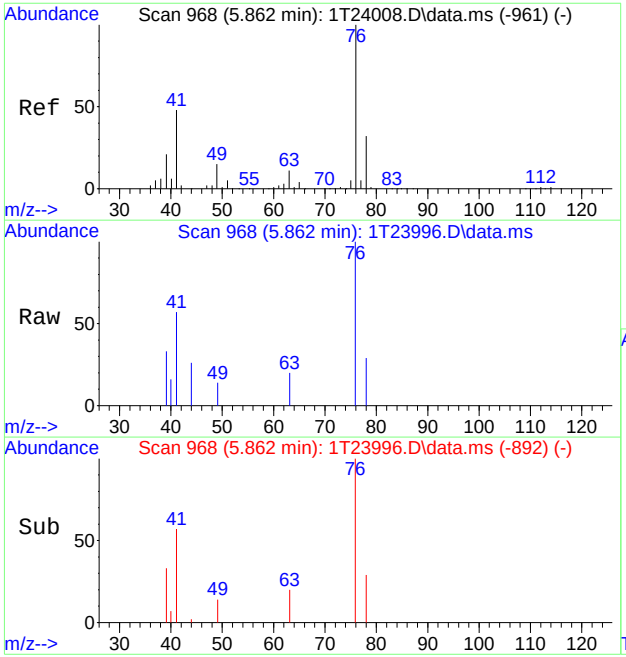


#79
2-hexanone
Concen: 1.37 ug/L
RT: 6.129 min Scan# 1019
Delta R.T. 0.005 min
Lab File: 1T23996.D
Acq: 18 Sep 2025 10:35 am

Tgt Ion: 58 Resp: 1731

Ion	Ratio	Lower	Upper
58	100		
43	158.0	139.1	179.1
85	18.4	0.0	38.1
100	36.6	7.8	47.8

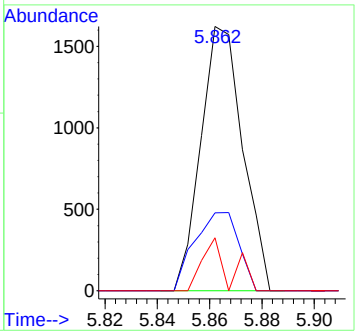


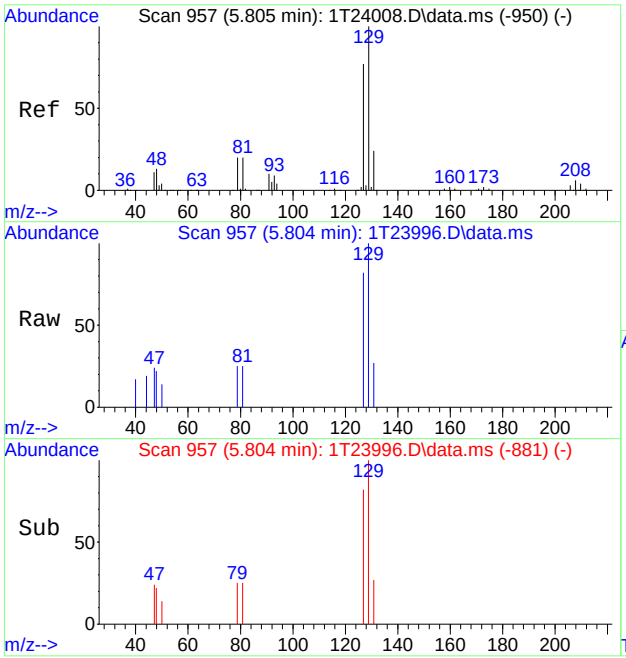


#80
1,3-dichloropropane
Concen: 0.41 ug/L
RT: 5.862 min Scan# 968
Delta R.T. -0.000 min
Lab File: 1T23996.D
Acq: 18 Sep 2025 10:35 am

Tgt Ion: 76 Resp: 1813

Ion	Ratio	Lower	Upper
76	100		
78	29.5	2.1	62.1
63	20.1	0.0	40.7

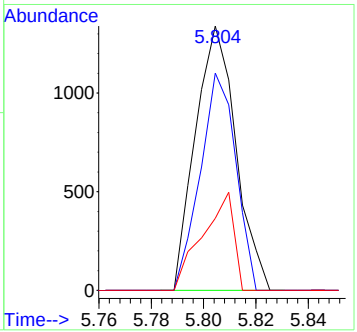


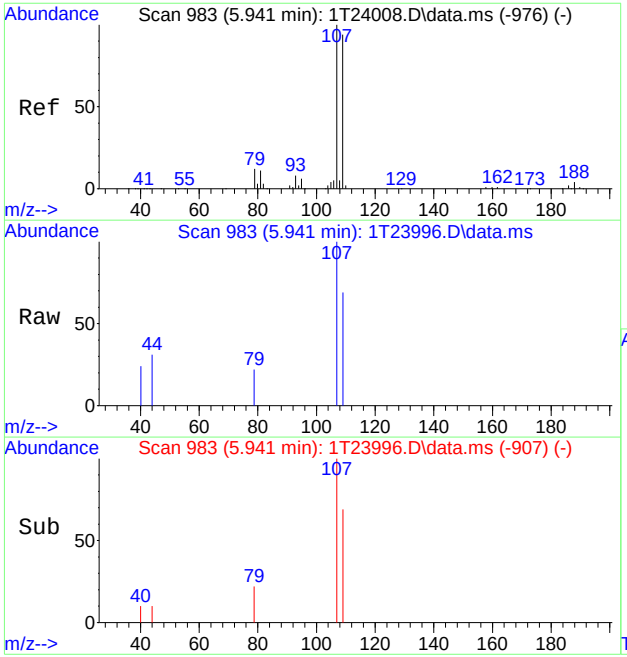


#82
dibromochloromethane
Concen: 0.44 ug/L
RT: 5.804 min Scan# 957
Delta R.T. -0.000 min
Lab File: 1T23996.D
Acq: 18 Sep 2025 10:35 am

Tgt Ion:129 Resp: 1445

Ion	Ratio	Lower	Upper
129	100		
127	82.2	47.5	107.5
131	27.3	0.0	54.1

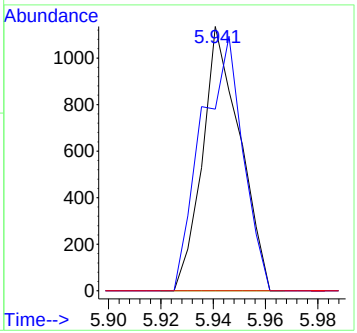


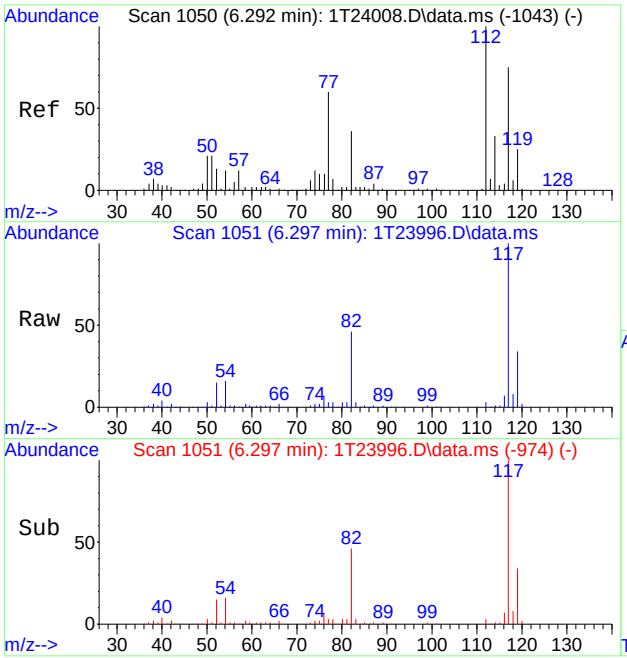


#83
1,2-dibromoethane
Concen: 0.39 ug/L
RT: 5.941 min Scan# 983
Delta R.T. -0.000 min
Lab File: 1T23996.D
Acq: 18 Sep 2025 10:35 am

Tgt Ion:107 Resp: 1134

Ion	Ratio	Lower	Upper
107	100		
109	68.7	64.0	124.0
188	0.0	0.0	33.9

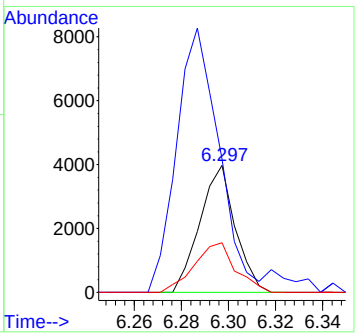


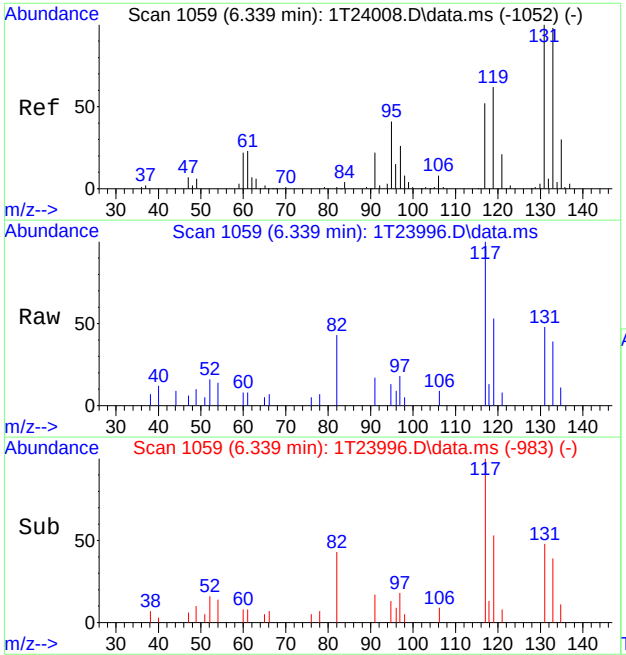


#85
chlorobenzene
Concen: 0.54 ug/L
RT: 6.297 min Scan# 1051
Delta R.T. 0.005 min
Lab File: 1T23996.D
Acq: 18 Sep 2025 10:35 am

Tgt Ion:112 Resp: 4159

Ion	Ratio	Lower	Upper
112	100		
77	94.0	29.6	89.6#
114	39.2	3.1	63.1

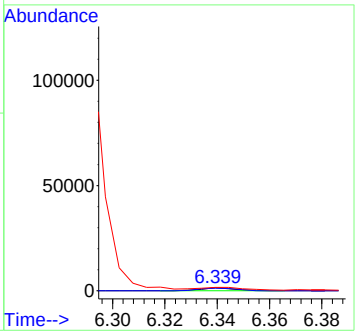


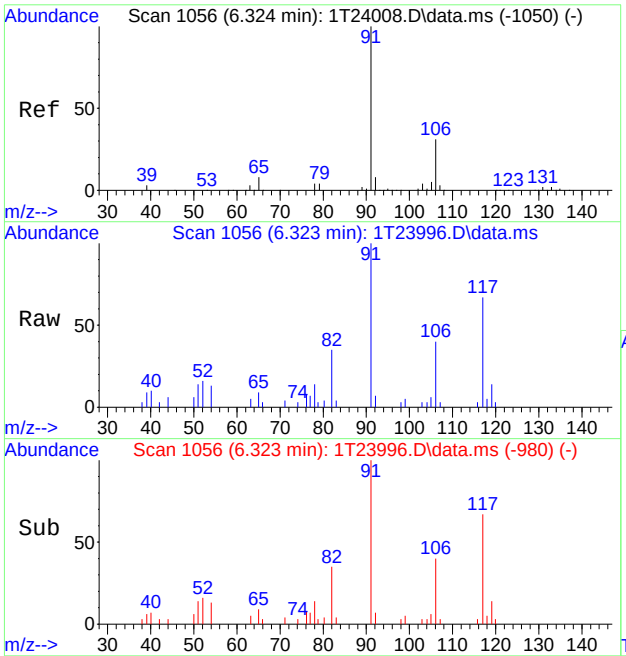


#86
1,1,1,2-tetrachloroethane
Concen: 0.44 ug/L
RT: 6.339 min Scan# 1059
Delta R.T. -0.000 min
Lab File: 1T23996.D
Acq: 18 Sep 2025 10:35 am

Tgt Ion:131 Resp: 1257

Ion	Ratio	Lower	Upper
131	100		
133	81.2	67.5	127.5
119	87.0	36.1	96.1

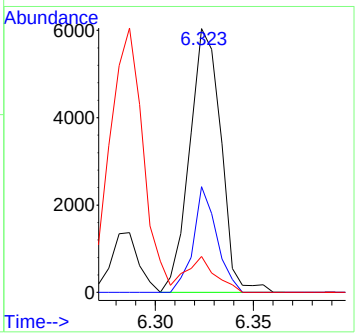


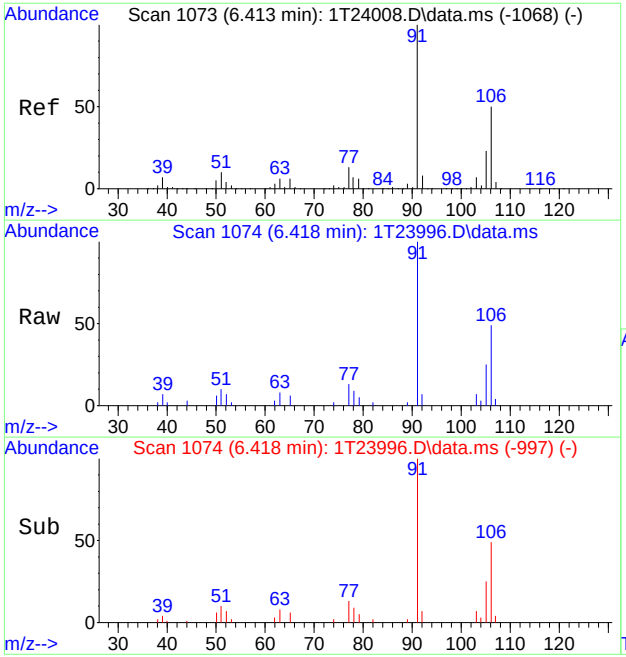


#87
ethylbenzene
Concen: 0.51 ug/L
RT: 6.323 min Scan# 1056
Delta R.T. -0.000 min
Lab File: 1T23996.D
Acq: 18 Sep 2025 10:35 am

Tgt Ion: 91 Resp: 6730

Ion	Ratio	Lower	Upper
91	100		
106	40.1	1.3	61.3
51	10.9	0.0	39.0

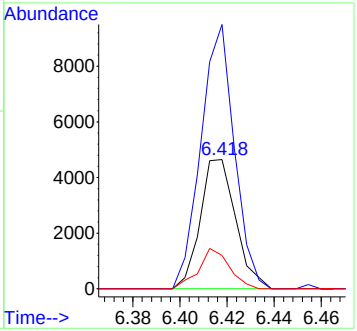


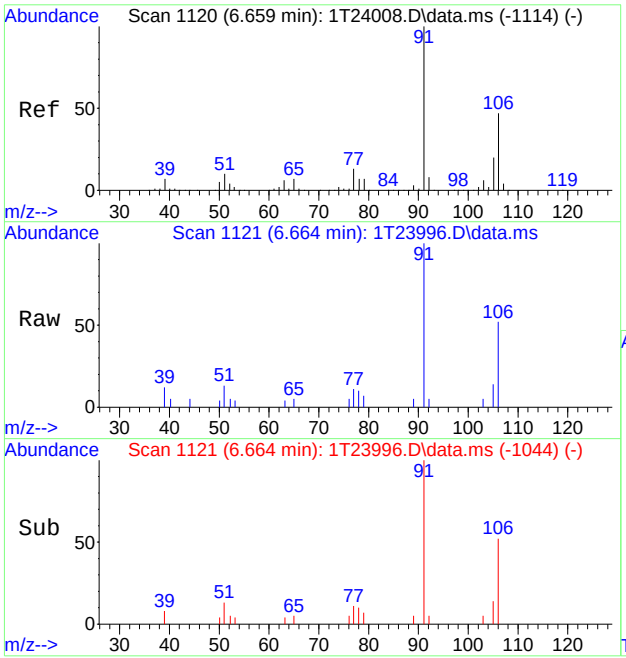


#88
m,p-xylene
Concen: 0.94 ug/L
RT: 6.418 min Scan# 1074
Delta R.T. 0.005 min
Lab File: 1T23996.D
Acq: 18 Sep 2025 10:35 am

Tgt Ion:106 Resp: 4876

Ion	Ratio	Lower	Upper
106	100		
91	204.4	169.8	229.8
77	25.8	6.7	46.7

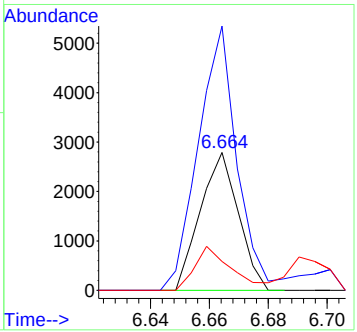


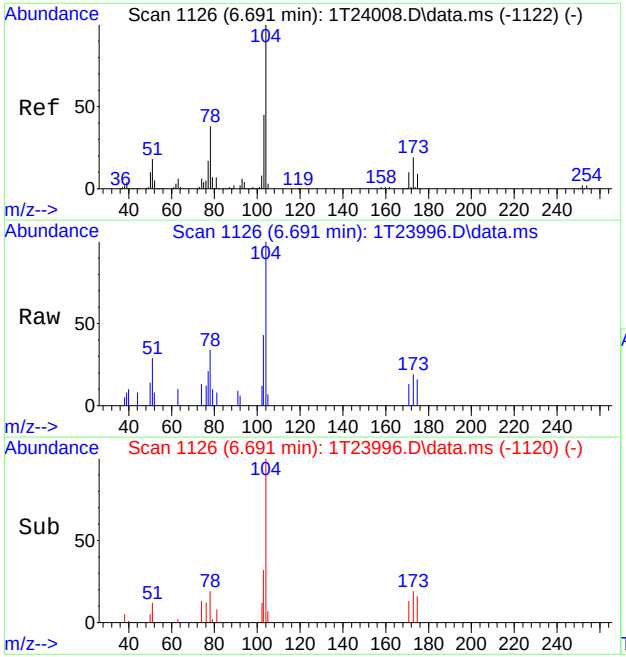


#89
o-xylene
Concen: 0.51 ug/L
RT: 6.664 min Scan# 1121
Delta R.T. 0.005 min
Lab File: 1T23996.D
Acq: 18 Sep 2025 10:35 am

Tgt Ion:106 Resp: 2508

Ion	Ratio	Lower	Upper
106	100		
91	191.8	181.7	241.7
77	20.9	6.5	46.5

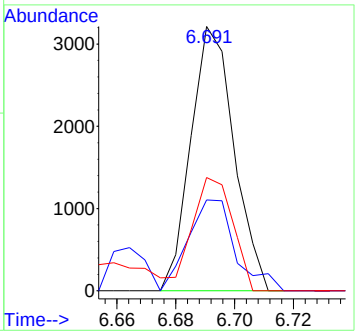


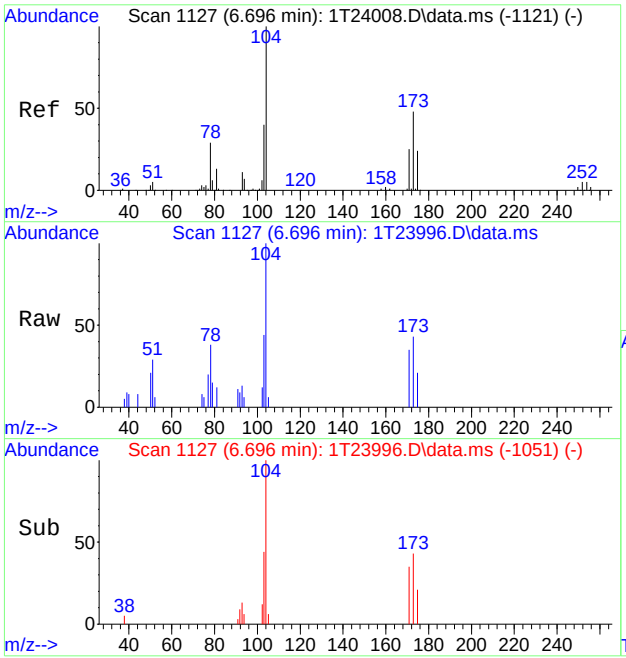


#90
styrene
Concen: 0.39 ug/L
RT: 6.691 min Scan# 1126
Delta R.T. -0.000 min
Lab File: 1T23996.D
Acq: 18 Sep 2025 10:35 am

Tgt Ion:104 Resp: 3282

Ion	Ratio	Lower	Upper
104	100		
78	34.4	9.6	69.6
103	42.9	16.5	76.5

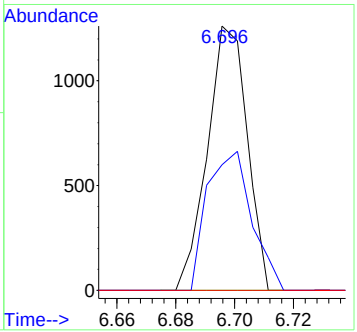


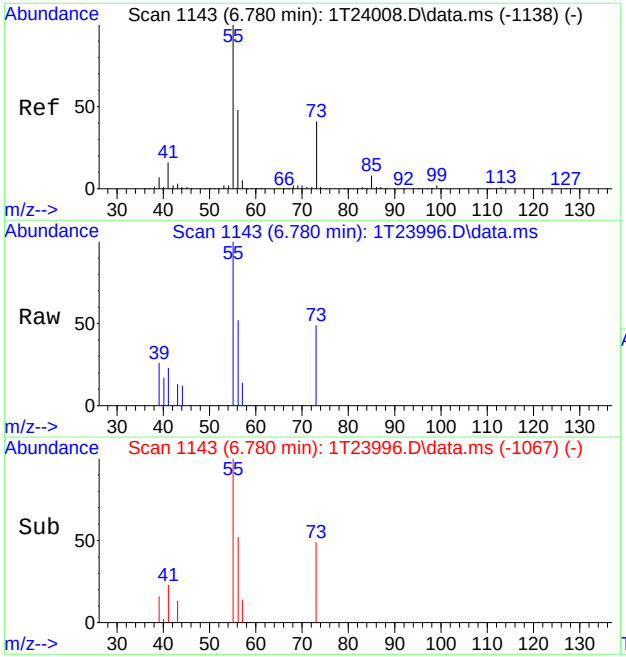


#91
bromoform
Concen: 0.50 ug/L
RT: 6.696 min Scan# 1127
Delta R.T. -0.000 min
Lab File: 1T23996.D
Acq: 18 Sep 2025 10:35 am

Tgt Ion:173 Resp: 1186

Ion	Ratio	Lower	Upper
173	100		
175	47.5	19.5	79.5
254	0.0	0.0	40.4

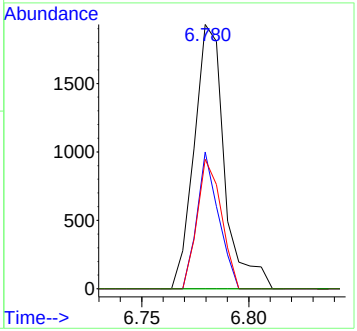


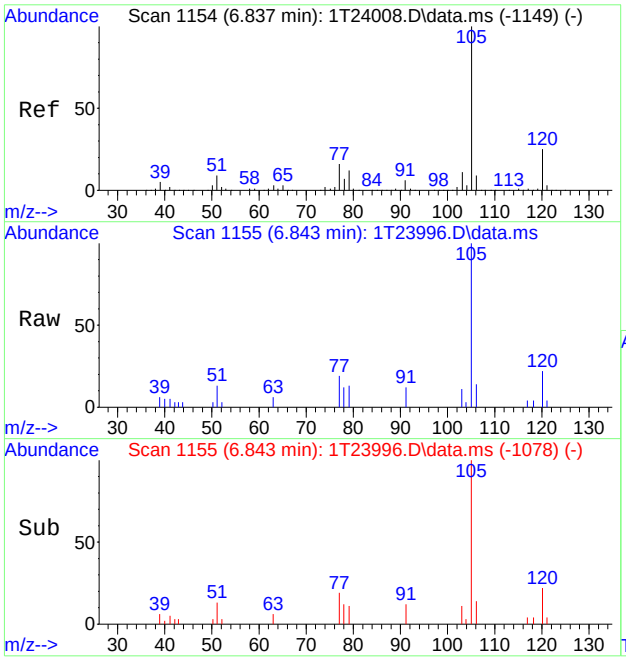


#92
butyl acrylate
Concen: 0.38 ug/L
RT: 6.780 min Scan# 1143
Delta R.T. -0.000 min
Lab File: 1T23996.D
Acq: 18 Sep 2025 10:35 am

Tgt Ion: 55 Resp: 1906

Ion	Ratio	Lower	Upper
55	100		
56	51.7	18.5	78.5
73	49.0	10.6	70.6
85	0.0	0.0	38.0

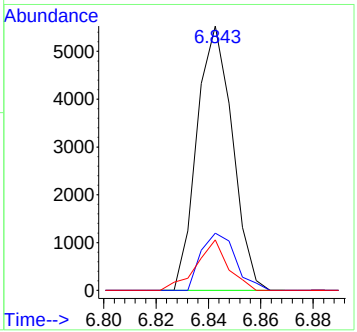


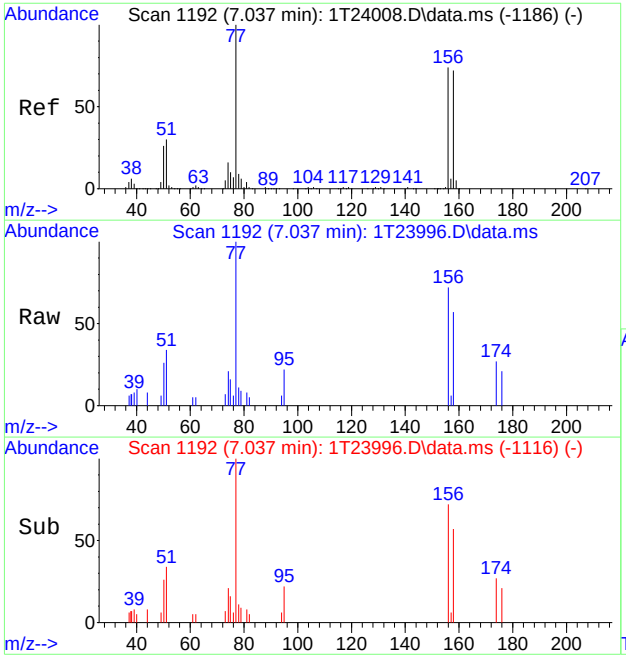


#94
isopropylbenzene
Concen: 0.39 ug/L
RT: 6.843 min Scan# 1155
Delta R.T. 0.005 min
Lab File: 1T23996.D
Acq: 18 Sep 2025 10:35 am

Tgt Ion:105 Resp: 5206

Ion	Ratio	Lower	Upper
105	100		
120	21.6	5.3	45.3
77	19.1	0.0	36.1

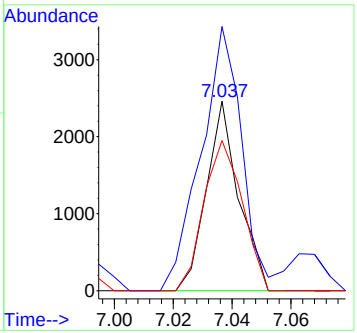


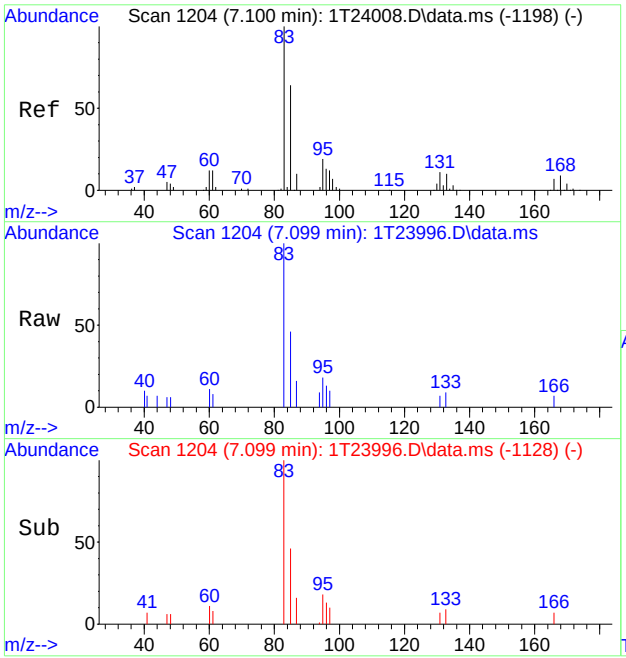


#98
bromobenzene
Concen: 0.60 ug/L
RT: 7.037 min Scan# 1192
Delta R.T. -0.000 min
Lab File: 1T23996.D
Acq: 18 Sep 2025 10:35 am

Tgt Ion:156 Resp: 1881

Ion	Ratio	Lower	Upper
156	100		
77	139.4	104.6	164.6
158	79.3	67.1	127.1

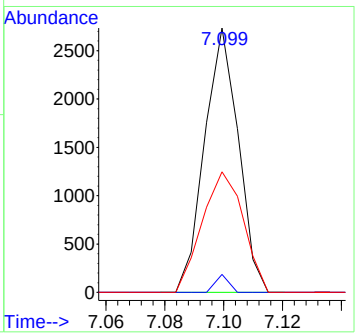


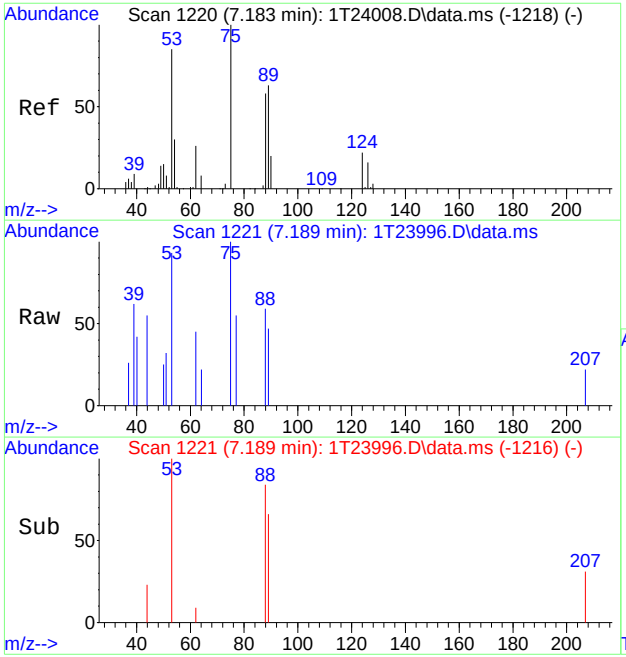


#99
1,1,2,2-tetrachloroethane
Concen: 0.57 ug/L
RT: 7.099 min Scan# 1204
Delta R.T. -0.000 min
Lab File: 1T23996.D
Acq: 18 Sep 2025 10:35 am

Tgt Ion: 83 Resp: 2186

Ion	Ratio	Lower	Upper
83	100		
131	6.8	0.0	40.9
85	45.6	34.4	94.4

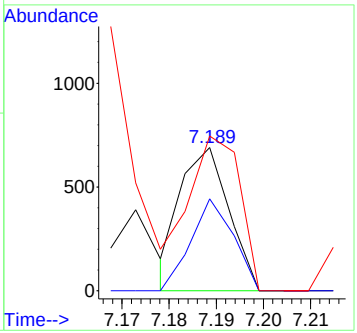


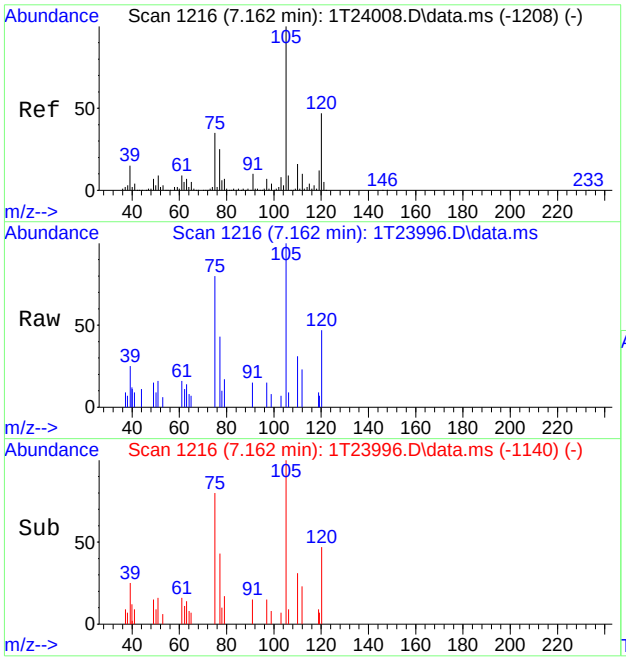


#100
trans-1,4-dichloro-2-butene
Concen: 0.48 ug/L
RT: 7.189 min Scan# 1221
Delta R.T. 0.005 min
Lab File: 1T23996.D
Acq: 18 Sep 2025 10:35 am

Tgt Ion: 53 Resp: 492

Ion	Ratio	Lower	Upper
53	100		
88	64.2	29.6	89.6
75	108.0	97.1	157.1

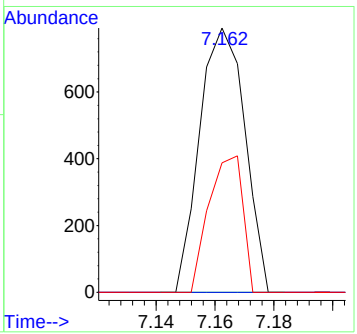


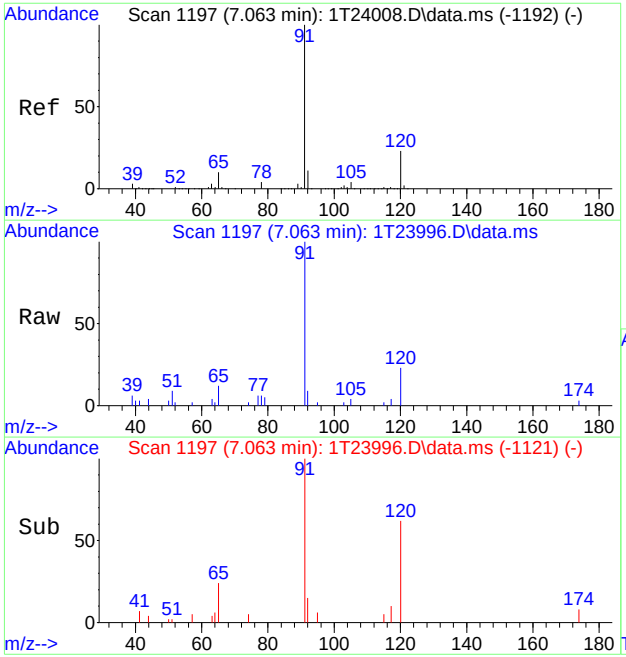


#101
1,2,3-trichloropropane
Concen: 0.60 ug/L
RT: 7.162 min Scan# 1216
Delta R.T. -0.000 min
Lab File: 1T23996.D
Acq: 18 Sep 2025 10:35 am

Tgt Ion:110 Resp: 846

Ion	Ratio	Lower	Upper
110	100		
111	0.0	0.0	39.0
97	49.0	15.1	75.1

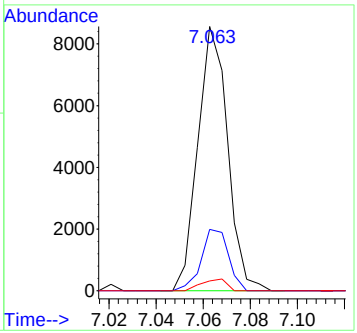


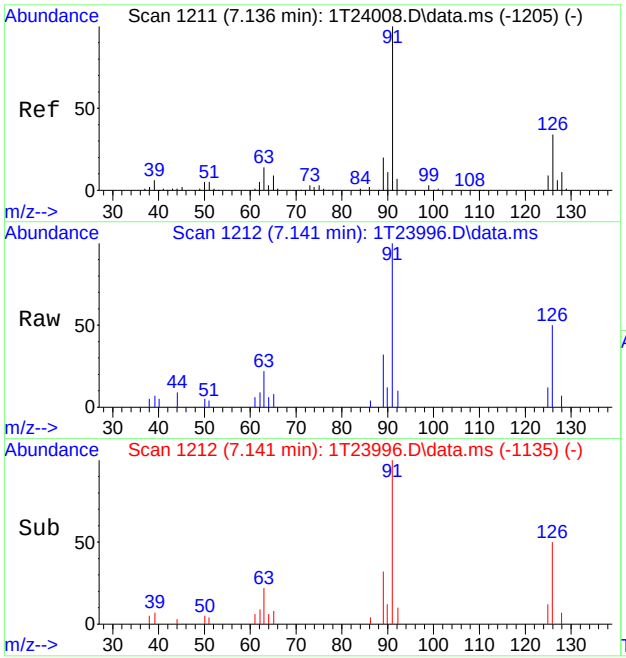


#102
n-propylbenzene
Concen: 0.50 ug/L
RT: 7.063 min Scan# 1197
Delta R.T. -0.000 min
Lab File: 1T23996.D
Acq: 18 Sep 2025 10:35 am

Tgt Ion: 91 Resp: 7548

Ion	Ratio	Lower	Upper
91	100		
120	23.2	0.0	53.1
105	3.7	0.0	33.9

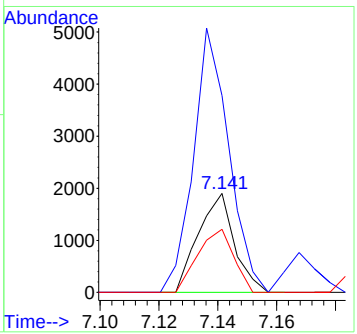


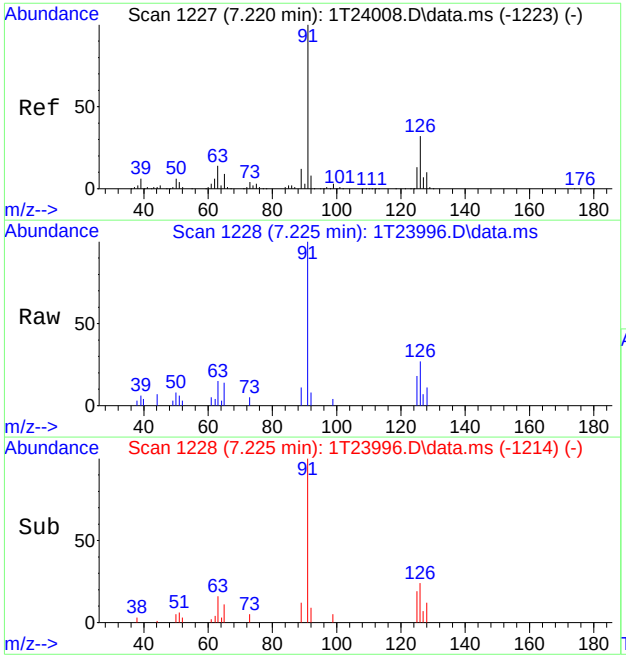


#103
2-chlorotoluene
Concen: 0.55 ug/L
RT: 7.141 min Scan# 1212
Delta R.T. 0.005 min
Lab File: 1T23996.D
Acq: 18 Sep 2025 10:35 am

Tgt Ion:126 Resp: 1617

Ion	Ratio	Lower	Upper
126	100		
91	199.0	263.0	323.0#
89	63.8	27.6	87.6

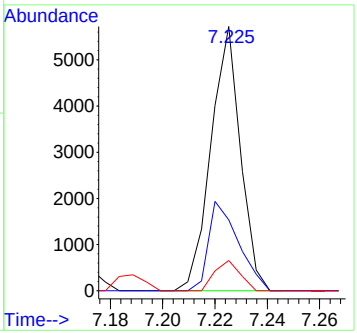


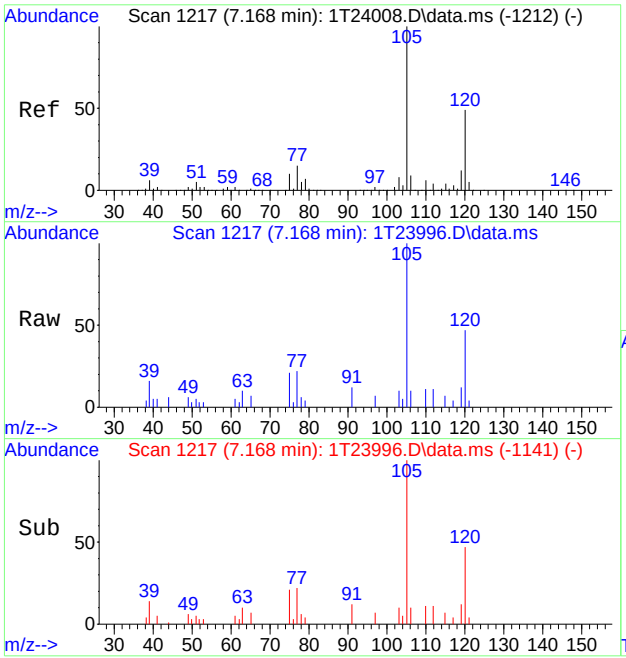


#104
4-chlorotoluene
Concen: 0.48 ug/L
RT: 7.225 min Scan# 1228
Delta R.T. 0.005 min
Lab File: 1T23996.D
Acq: 18 Sep 2025 10:35 am

Tgt Ion: 91 Resp: 4495

Ion	Ratio	Lower	Upper
91	100		
126	26.8	2.2	62.2
89	11.5	0.0	42.5

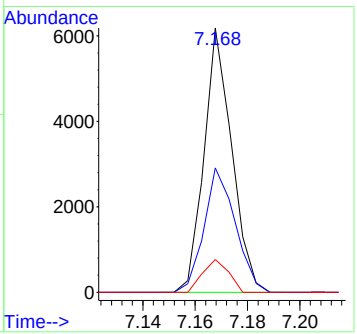


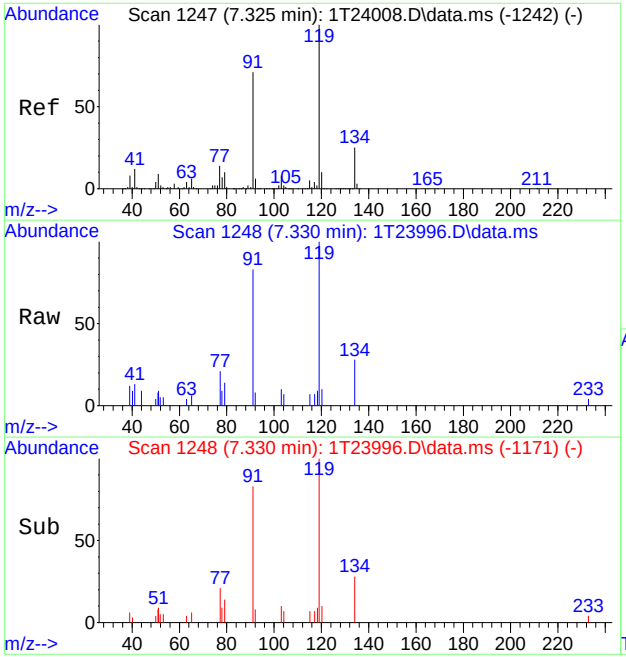


#105
1,3,5-trimethylbenzene
Concen: 0.41 ug/L
RT: 7.168 min Scan# 1217
Delta R.T. -0.000 min
Lab File: 1T23996.D
Acq: 18 Sep 2025 10:35 am

Tgt Ion:105 Resp: 4553

Ion	Ratio	Lower	Upper
105	100		
120	47.0	19.0	79.0
119	12.4	0.0	42.2

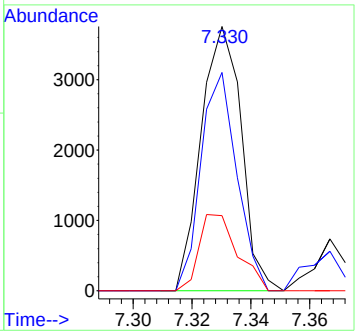


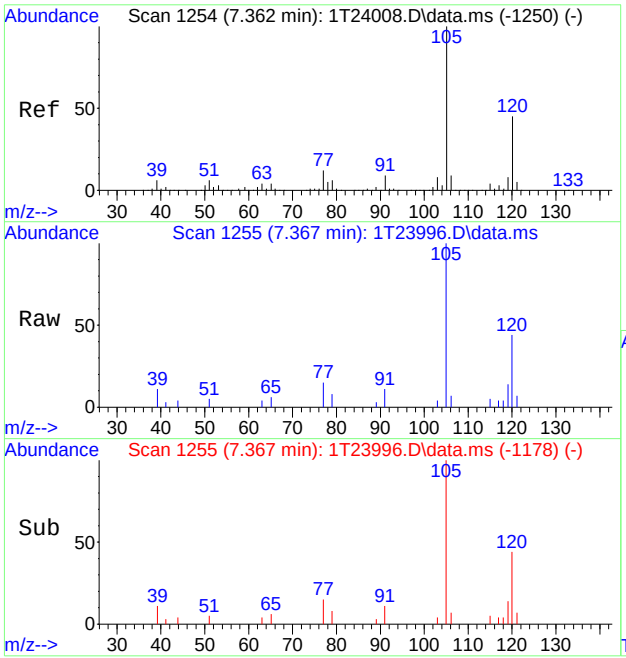


#106
tert-butylbenzene
Concen: 0.41 ug/L
RT: 7.330 min Scan# 1248
Delta R.T. 0.005 min
Lab File: 1T23996.D
Acq: 18 Sep 2025 10:35 am

Tgt Ion:119 Resp: 3572

Ion	Ratio	Lower	Upper
119	100		
91	82.5	40.9	100.9
134	28.4	0.0	54.5

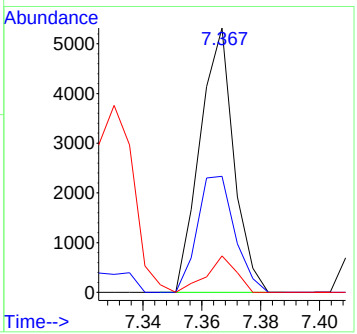


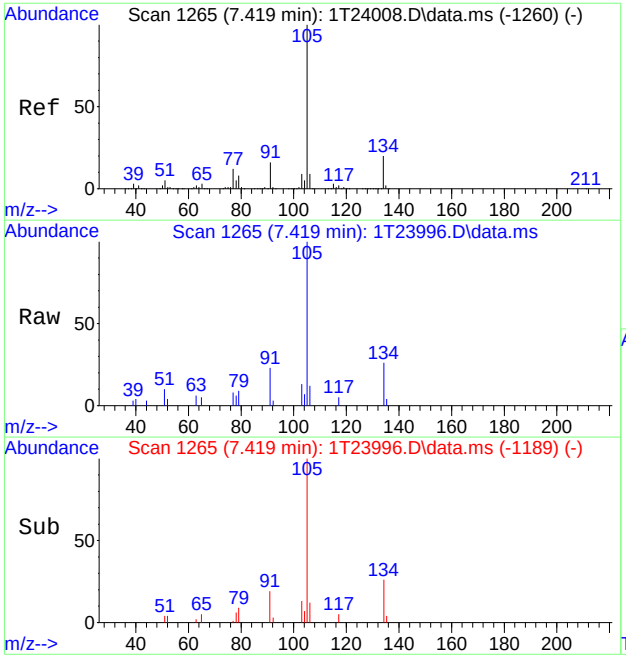


#107
1,2,4-trimethylbenzene
Concen: 0.37 ug/L
RT: 7.367 min Scan# 1255
Delta R.T. 0.005 min
Lab File: 1T23996.D
Acq: 18 Sep 2025 10:35 am

Tgt Ion:105 Resp: 4256

Ion	Ratio	Lower	Upper
105	100		
120	43.9	15.8	75.8
119	13.8	0.0	42.2

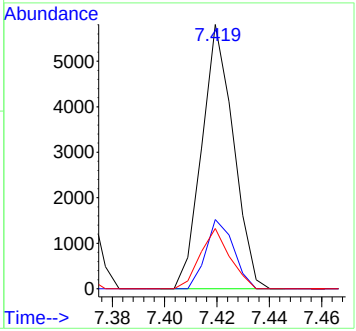


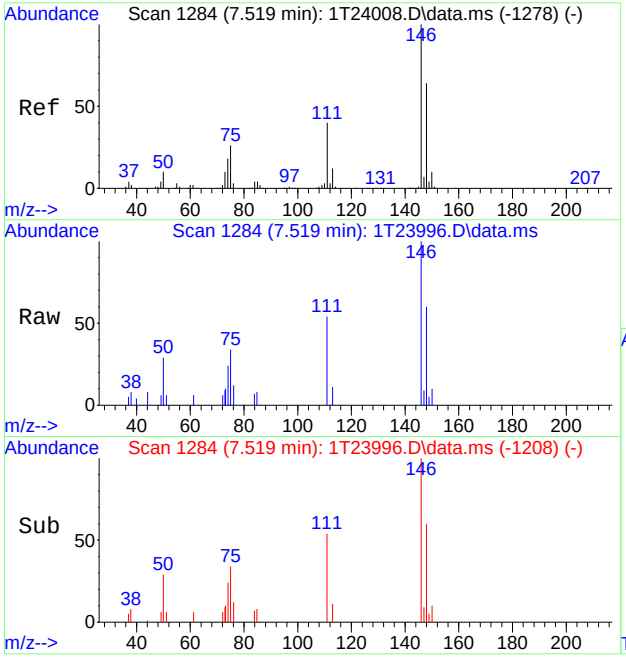


#108
sec-butylbenzene
Concen: 0.38 ug/L
RT: 7.419 min Scan# 1265
Delta R.T. -0.000 min
Lab File: 1T23996.D
Acq: 18 Sep 2025 10:35 am

Tgt Ion:105 Resp: 4882

Ion	Ratio	Lower	Upper
105	100		
134	26.2	0.0	50.4
91	22.8	0.0	45.8

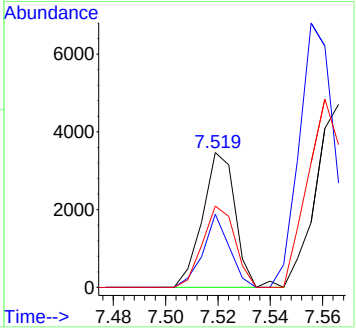


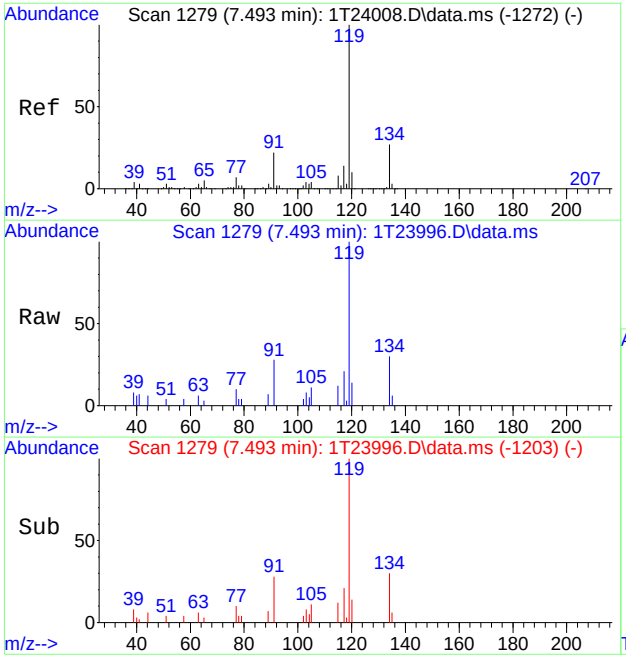


#109
1,3-dichlorobenzene
Concen: 0.49 ug/L
RT: 7.519 min Scan# 1284
Delta R.T. -0.000 min
Lab File: 1T23996.D
Acq: 18 Sep 2025 10:35 am

Tgt Ion:146 Resp: 3037

Ion	Ratio	Lower	Upper
146	100		
111	54.4	9.6	69.6
148	60.4	33.7	93.7

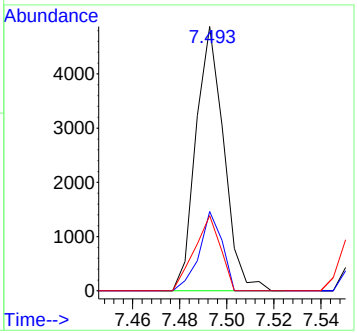


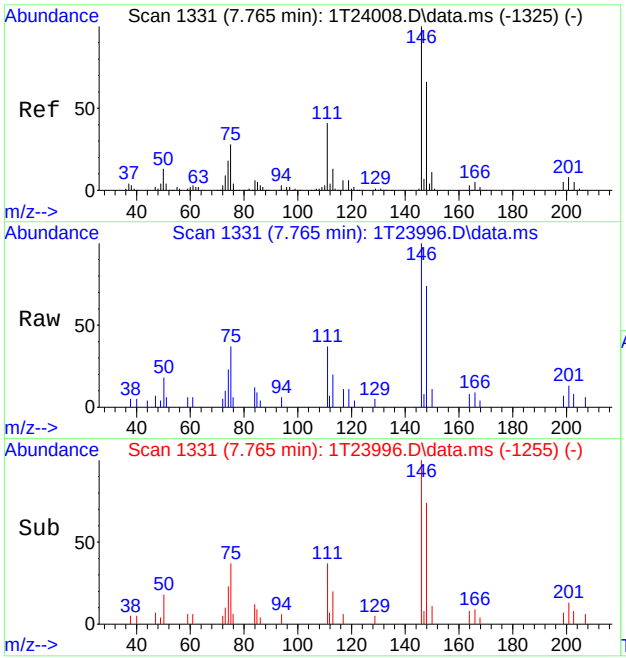


#110
p-isopropyltoluene
Concen: 0.36 ug/L
RT: 7.493 min Scan# 1279
Delta R.T. -0.000 min
Lab File: 1T23996.D
Acq: 18 Sep 2025 10:35 am

Tgt Ion:119 Resp: 4031

Ion	Ratio	Lower	Upper
119	100		
134	30.1	0.0	56.8
91	28.4	0.0	52.2

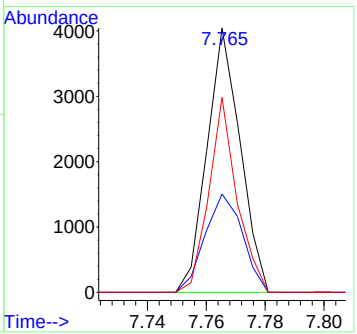


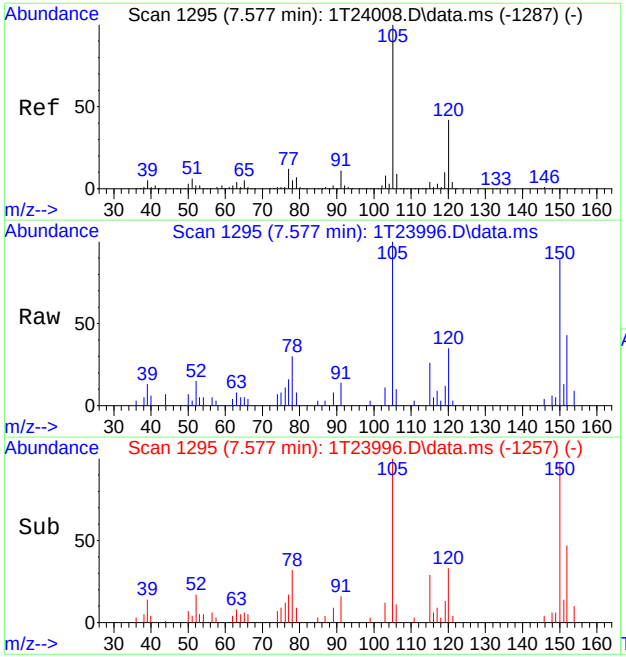


#112
1,2-dichlorobenzene
Concen: 0.54 ug/L
RT: 7.765 min Scan# 1331
Delta R.T. -0.000 min
Lab File: 1T23996.D
Acq: 18 Sep 2025 10:35 am

Tgt Ion:146 Resp: 3177

Ion	Ratio	Lower	Upper
146	100		
111	37.2	11.3	71.3
148	73.8	36.2	96.2

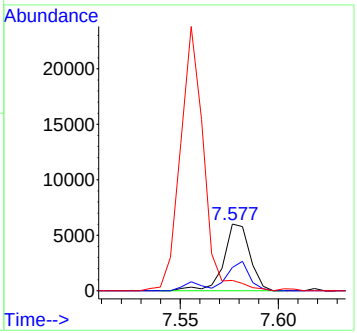


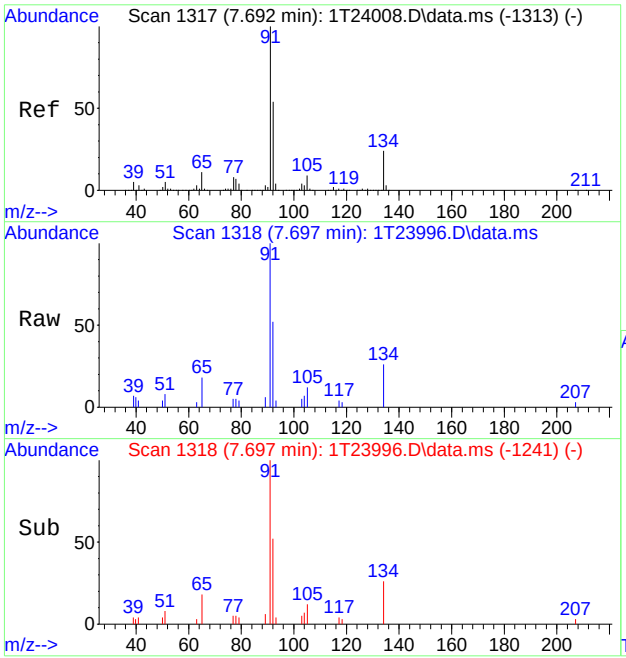


#113
1,2,3-trimethylbenzene
Concen: 0.47 ug/L
RT: 7.577 min Scan# 1295
Delta R.T. -0.000 min
Lab File: 1T23996.D
Acq: 18 Sep 2025 10:35 am

Tgt Ion:105 Resp: 5591

Ion	Ratio	Lower	Upper
105	100		
120	35.1	12.2	72.2
77	12.5	0.0	41.7

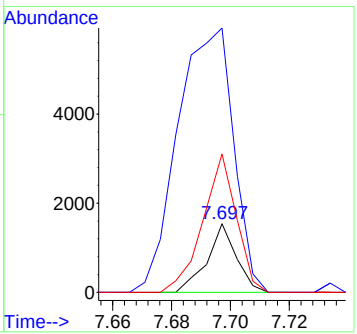


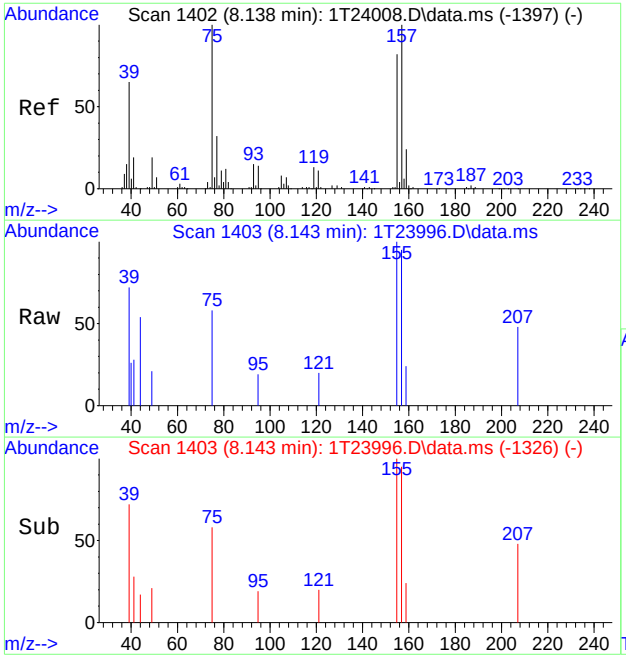


#114
n-butylbenzene
Concen: 0.40 ug/L
RT: 7.697 min Scan# 1318
Delta R.T. 0.005 min
Lab File: 1T23996.D
Acq: 18 Sep 2025 10:35 am

Tgt Ion:134 Resp: 1067

Ion	Ratio	Lower	Upper
134	100		
91	384.3	429.9	489.9#
92	201.2	199.0	259.0

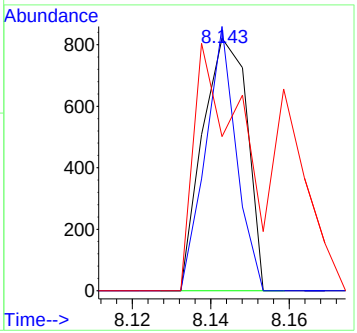


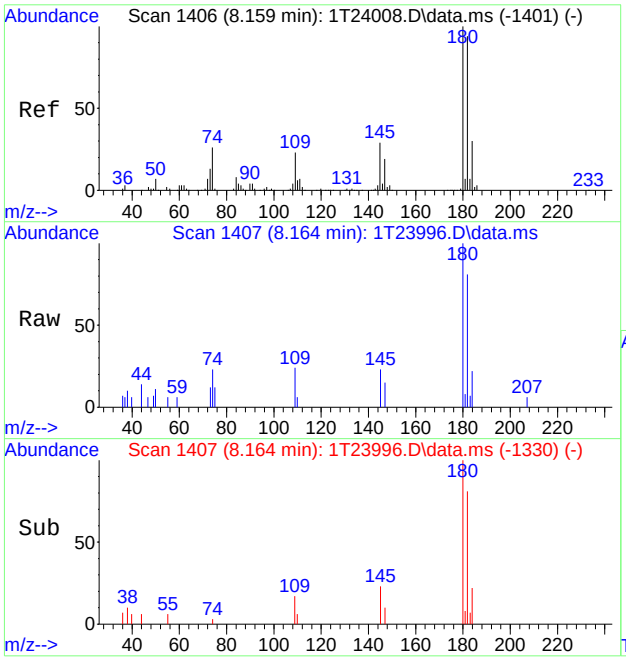


#115
1,2-dibromo-3-chloropropane
Concen: 0.58 ug/L
RT: 8.143 min Scan# 1403
Delta R.T. 0.005 min
Lab File: 1T23996.D
Acq: 18 Sep 2025 10:35 am

Tgt Ion:157 Resp: 646

Ion	Ratio	Lower	Upper
157	100		
155	104.8	51.9	111.9
75	61.0	70.0	130.0#

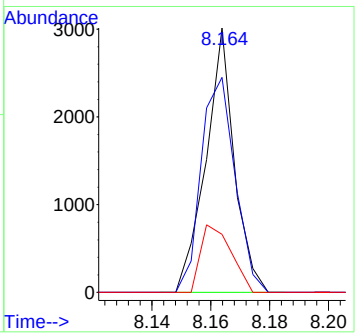


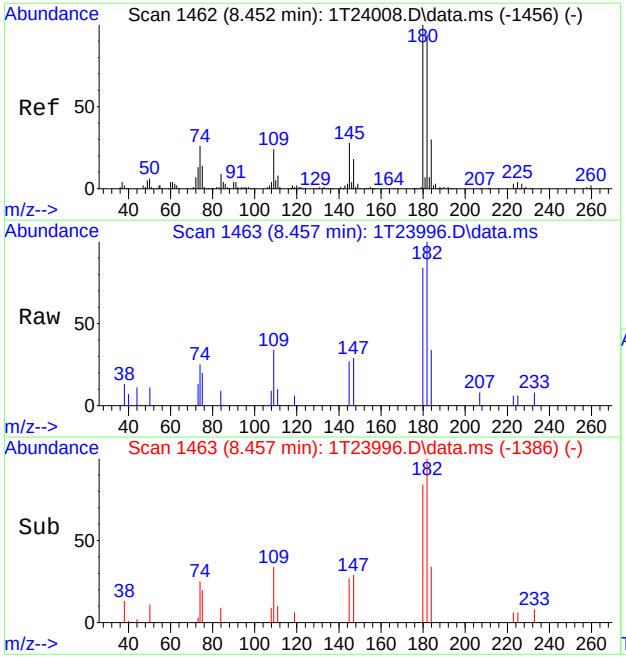


#116
1,3,5-trichlorobenzene
Concen: 0.52 ug/L
RT: 8.164 min Scan# 1407
Delta R.T. 0.005 min
Lab File: 1T23996.D
Acq: 18 Sep 2025 10:35 am

Tgt Ion:180 Resp: 2027

Ion	Ratio	Lower	Upper
180	100		
182	81.3	73.5	113.5
184	21.9	10.1	50.1

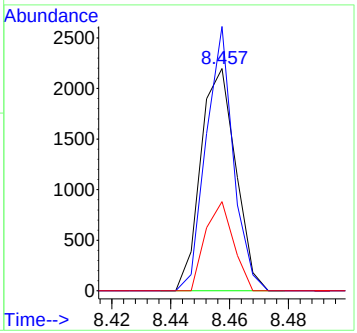


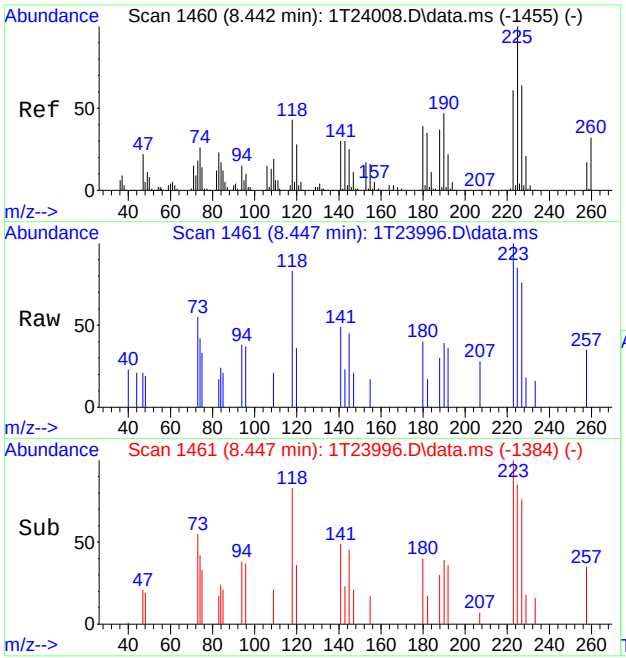


#117
1,2,4-trichlorobenzene
Concen: 0.53 ug/L
RT: 8.457 min Scan# 1463
Delta R.T. 0.005 min
Lab File: 1T23996.D
Acq: 18 Sep 2025 10:35 am

Tgt Ion:180 Resp: 1821

Ion	Ratio	Lower	Upper
180	100		
182	118.9	64.0	124.0
184	40.1	0.0	59.7

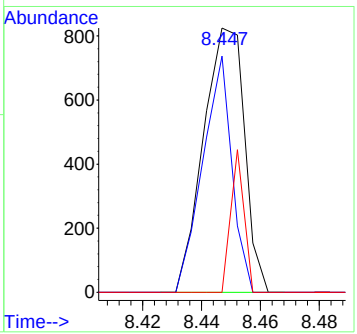


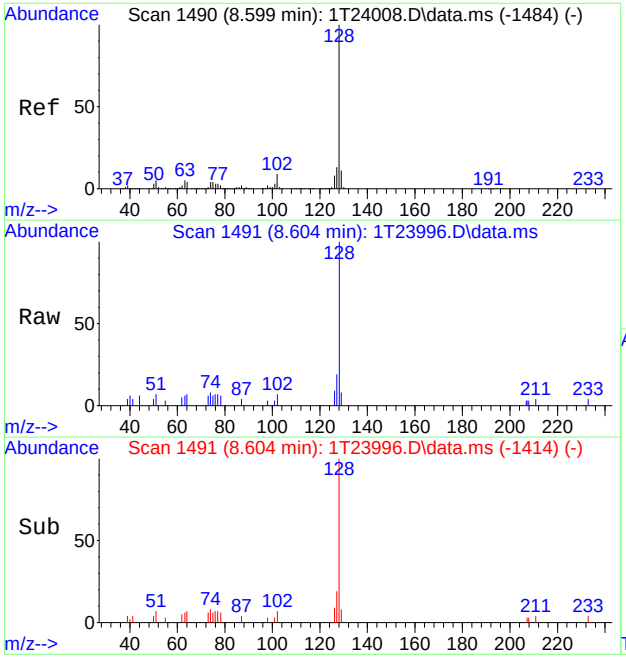


#118
hexachlorobutadiene
Concen: 0.59 ug/L
RT: 8.447 min Scan# 1461
Delta R.T. 0.005 min
Lab File: 1T23996.D
Acq: 18 Sep 2025 10:35 am

Tgt Ion:225 Resp: 801

Ion	Ratio	Lower	Upper
225	100		
227	89.3	34.1	94.1
260	0.0	1.5	61.5#

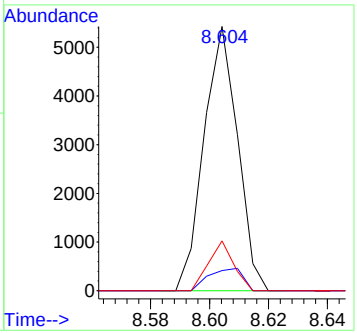


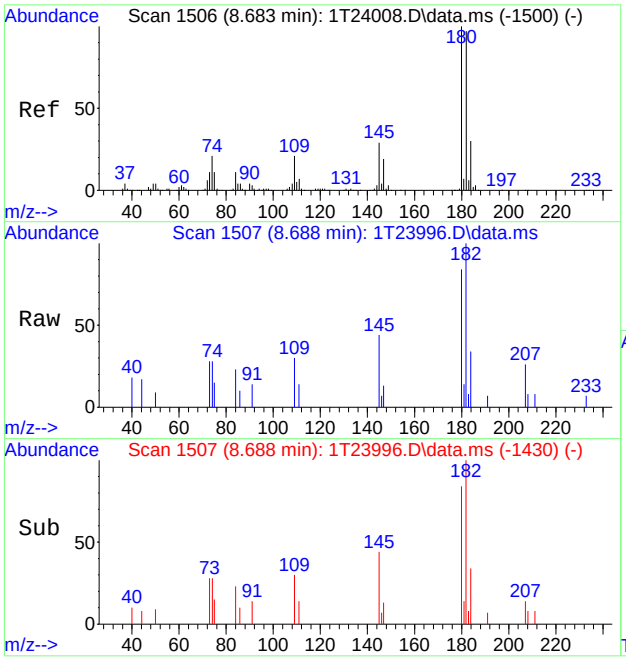


#119
naphthalene
Concen: 0.37 ug/L
RT: 8.604 min Scan# 1491
Delta R.T. 0.005 min
Lab File: 1T23996.D
Acq: 18 Sep 2025 10:35 am

Tgt Ion:128 Resp: 4320

Ion	Ratio	Lower	Upper
128	100		
129	7.7	0.0	40.7
127	18.8	0.0	43.4

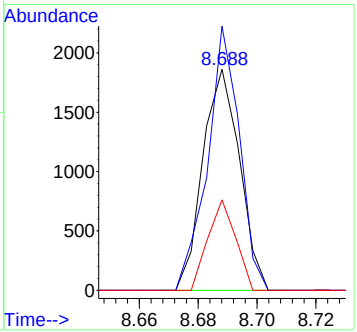


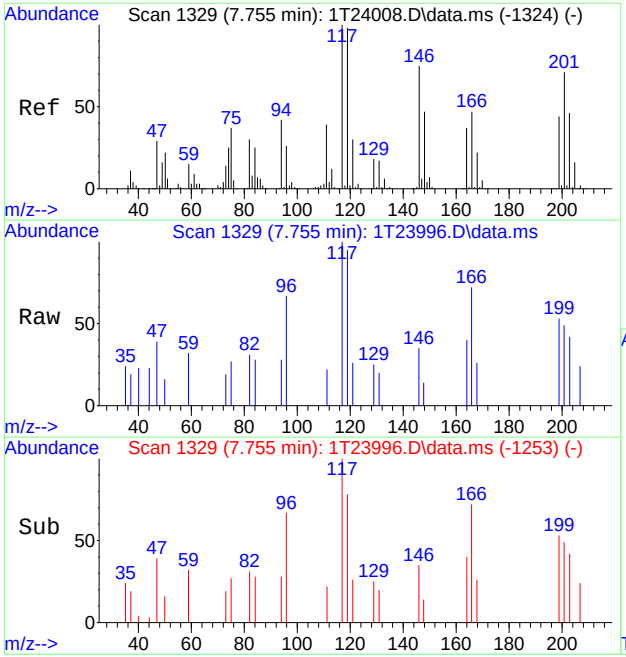


#120
1,2,3-trichlorobenzene
Concen: 0.49 ug/L
RT: 8.688 min Scan# 1507
Delta R.T. 0.005 min
Lab File: 1T23996.D
Acq: 18 Sep 2025 10:35 am

Tgt Ion:180 Resp: 1620

Ion	Ratio	Lower	Upper
180	100		
182	119.6	66.5	126.5
184	40.9	0.0	59.6

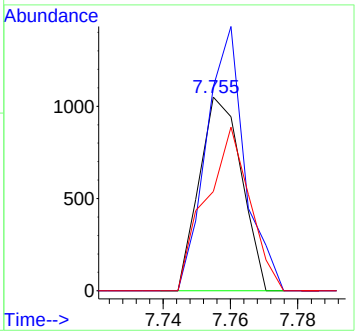


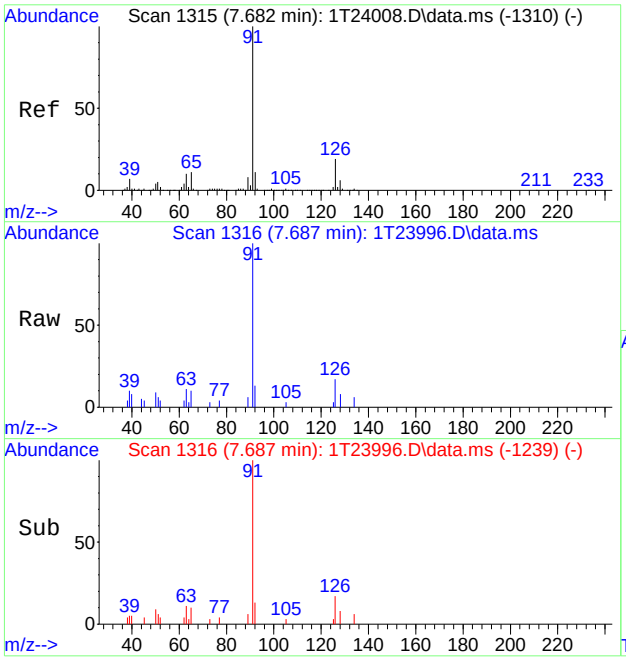


#121
hexachloroethane
Concen: 0.45 ug/L
RT: 7.755 min Scan# 1329
Delta R.T. -0.000 min
Lab File: 1T23996.D
Acq: 18 Sep 2025 10:35 am

Tgt Ion:119 Resp: 918

Ion	Ratio	Lower	Upper
119	100		
117	105.4	71.7	131.7
201	51.3	42.0	102.0

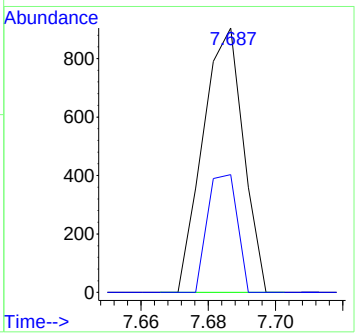




#122
benzyl chloride
Concen: 0.43 ug/L
RT: 7.687 min Scan# 1316
Delta R.T. 0.005 min
Lab File: 1T23996.D
Acq: 18 Sep 2025 10:35 am

Tgt Ion:126 Resp: 759

Ion	Ratio	Lower	Upper
126	100		
128	44.5	1.7	61.7



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 09/19/25 18:04

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VT579\
Data File : 1T23998.D
Acq On : 18 Sep 2025 11:03 am
Operator : edwardd
Sample : ic579-1
Misc : MS96870,V1T0579,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 19 11:57:46 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 10:19:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	1.988	65	244217	500.00	ug/L	0.00
5) pentafluorobenzene	3.728	168	501871	50.00	ug/L	0.00
50) 1,4-difluorobenzene	4.310	114	805378	50.00	ug/L	0.00
72) chlorobenzene-d5	6.282	117	710918	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	7.556	152	360508	50.00	ug/L	0.00
124) pentafluorobenzene(a)	3.728	168	501871	50.00	ug/L	0.00
132) 1,4-dichlorobenzene-d4(a)	7.556	152	360508	50.00	ug/L	0.00
System Monitoring Compounds						
42) dibromofluoromethane (s)	3.178	113	307905	52.01	ug/L	0.00
Spiked Amount 50.000	Range 75 - 127		Recovery = 104.02%			
51) 1,2-dichloroethane-d4 (s)	3.739	65	308261	51.82	ug/L	0.00
Spiked Amount 50.000	Range 75 - 130		Recovery = 103.64%			
73) toluene-d8 (s)	5.328	98	973576	50.21	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.42%			
97) 4-bromofluorobenzene (s)	6.984	95	329895	50.61	ug/L	0.00
Spiked Amount 50.000	Range 79 - 127		Recovery = 101.22%			
Target Compounds						Qvalue
2) ethanol	1.474	45	10905	310.7457	ug/L	78
4) 1,4-dioxane	4.924	88	838	26.3633	ug/L #	56
6) chlorodifluoromethane	0.897	51	4581	1.1872	ug/L	90
7) dichlorodifluoromethane	0.881	85	4349	0.9412	ug/L	96
8) chloromethane	0.976	50	2706	0.9142	ug/L	88
9) vinyl chloride	1.002	62	3422	0.8994	ug/L	93
10) 1,3-butadiene	1.007	39	3040	1.2158	ug/L	97
11) bromomethane	1.144	96	2165	0.9051	ug/L #	97
12) chloroethane	1.206	64	3672	0.9957	ug/L	95
13) trichlorofluoromethane	1.264	101	8352	0.9738	ug/L	97
14) ethyl ether	1.406	74	1672	0.7743	ug/L #	66
15) acrolein	1.673	56	866	1.1110	ug/L #	46
16) freon 113	1.526	151	2389	0.8262	ug/L #	79
17) 1,1-dichloroethene	1.505	61	5649	1.0089	ug/L	84
18) acetone	1.836	58	2240	4.9056	ug/L	94
21) carbon disulfide	1.532	76	11958	1.1900	ug/L	93
22) methylene chloride	1.820	84	4551	1.1573	ug/L	82
23) methyl acetate	1.914	74	836	1.1014	ug/L #	79
24) methyl tert butyl ether	1.982	73	5742	0.7930	ug/L	90
25) trans-1,2-dichloroethene	1.914	96	3487	0.9175	ug/L	82
26) hexane	1.967	57	4050	0.7594	ug/L	91
27) di-isopropyl ether	2.239	45	5318	0.8421	ug/L	94
28) ethyl tert-butyl ether	2.517	59	5975	0.7169	ug/L	90
30) 1,1-dichloroethane	2.318	63	5897	1.0800	ug/L	97
32) acrylonitrile	2.349	52	1059	0.8797	ug/L #	75
35) 2,2-dichloropropane	2.837	77	4218	0.9416	ug/L	93
36) cis-1,2-dichloroethene	2.743	96	3384	1.0297	ug/L	93
37) propionitrile	3.613	54	7489	12.7334	ug/L	90
39) bromochloromethane	2.916	128	1891	1.1555	ug/L	91
41) chloroform	3.005	47	2156	1.4224	ug/L	93
44) 1,1,1-trichloroethane	3.194	97	5007	1.0005	ug/L	94
46) 1,1-dichloropropene	3.330	75	2657	0.5934	ug/L #	75
47) carbon tetrachloride	3.146	117	3802	0.7548	ug/L #	73
52) iso-octane	3.472	57	5115	0.8111	ug/L	90
53) benzene	3.592	78	9616	0.8905	ug/L	98
54) tert-amyl methyl ether	3.770	73	7006	0.9459	ug/L #	62
55) heptane	3.613	57	1101	0.8539	ug/L #	54
57) 1,2-dichloroethane	3.818	62	5641	1.2324	ug/L	93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VT579\
Data File : 1T23998.D
Acq On : 18 Sep 2025 11:03 am
Operator : edwardd
Sample : ic579-1
Misc : MS96870,V1T0579,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 19 11:57:46 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 10:19:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
59) ethyl acrylate	4.772	55	3289	0.9023	ug/L		96
60) trichloroethene	4.263	130	2372	0.7382	ug/L		88
62) 2-chloroethyl vinyl ether	5.191	63	7644	4.7643	ug/L		95
64) 1,2-dichloropropane	4.704	63	2776	0.9818	ug/L		93
66) dibromomethane	4.620	93	2744	1.1385	ug/L		93
67) bromodichloromethane	4.772	83	4617	1.0536	ug/L		93
68) epichlorohydrin	5.359	57	2374	5.7289	ug/L		82
69) cis-1,3-dichloropropene	5.207	75	3372	0.7919	ug/L		88
70) 4-methyl-2-pentanone	5.590	58	5159	4.3344	ug/L		94
74) toluene	5.359	92	7979	1.0290	ug/L		98
75) ethyl methacrylate	5.726	69	3444	1.0742	ug/L		95
76) trans-1,3-dichloropropene	5.605	75	4315	0.9266	ug/L		92
77) 1,1,2-trichloroethane	5.700	83	2398	1.0883	ug/L		88
78) tetrachloroethene	5.579	166	3440	1.0856	ug/L		87
79) 2-hexanone	6.125	58	4533	3.8933	ug/L		94
80) 1,3-dichloropropane	5.862	76	4932	1.0828	ug/L		95
81) butyl acetate	6.083	56	1514	0.8478	ug/L		92
82) dibromochloromethane	5.799	129	3480	1.0274	ug/L		83
83) 1,2-dibromoethane	5.936	107	3256	1.1557	ug/L		81
84) n-butyl ether	6.277	57	9916m	0.9087	ug/L		
85) chlorobenzene	6.292	112	10103	1.1555	ug/L		82
86) 1,1,1,2-tetrachloroethane	6.340	131	3420	1.1722	ug/L		94
87) ethylbenzene	6.324	91	14911	1.0281	ug/L		95
88) m,p-xylene	6.413	106	10717	1.9485	ug/L		92
89) o-xylene	6.659	106	5170	0.9556	ug/L		90
90) styrene	6.691	104	7831	0.9576	ug/L		97
91) bromoform	6.696	173	2955	1.1351	ug/L		98
92) butyl acrylate	6.780	55	4620	0.9623	ug/L		87
93) n-amyl acetate	6.921	70	1880	0.8301	ug/L	#	83
94) isopropylbenzene	6.838	105	10832	0.7945	ug/L		98
95) cis-1,4-dichloro-2-butene	7.021	88	1671	1.0444	ug/L	#	62
98) bromobenzene	7.037	156	4104	1.1056	ug/L		91
99) 1,1,2,2-tetrachloroethane	7.095	83	5290	1.1892	ug/L		94
100) trans-1,4-dichloro-2-b...	7.184	53	1291	1.1833	ug/L		91
101) 1,2,3-trichloropropane	7.163	110	1672	0.9991	ug/L		81
102) n-propylbenzene	7.063	91	16065	0.9856	ug/L		98
103) 2-chlorotoluene	7.136	126	3479	1.0465	ug/L		90
104) 4-chlorotoluene	7.220	91	11028	1.1081	ug/L		89
105) 1,3,5-trimethylbenzene	7.168	105	10869	0.9957	ug/L		97
106) tert-butylbenzene	7.325	119	8401	0.9784	ug/L		96
107) 1,2,4-trimethylbenzene	7.362	105	10998	1.0207	ug/L		96
108) sec-butylbenzene	7.414	105	11344	0.9288	ug/L		89
109) 1,3-dichlorobenzene	7.519	146	7554	1.1386	ug/L		99
110) p-isopropyltoluene	7.488	119	9575	0.9136	ug/L		92
111) 1,4-dichlorobenzene	7.561	146	8838	1.2795	ug/L		66
112) 1,2-dichlorobenzene	7.760	146	7191	1.0887	ug/L		91
113) 1,2,3-trimethylbenzene	7.577	105	14035	1.1281	ug/L		93
114) n-butylbenzene	7.692	134	2661	1.0299	ug/L	#	93
115) 1,2-dibromo-3-chloropr...	8.138	157	1715	1.3203	ug/L		92
116) 1,3,5-trichlorobenzene	8.159	180	4706	1.0906	ug/L		99
117) 1,2,4-trichlorobenzene	8.452	180	3868	1.0131	ug/L		93
118) hexachlorobutadiene	8.442	225	1689	1.0585	ug/L	#	54
119) naphthalene	8.599	128	11496	1.0508	ug/L		96
120) 1,2,3-trichlorobenzene	8.683	180	3578	1.0134	ug/L		79
121) hexachloroethane	7.755	119	2110	1.0020	ug/L		97
122) benzyl chloride	7.682	126	2014	1.1305	ug/L		91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VT579\
Data File : 1T23998.D
Acq On : 18 Sep 2025 11:03 am
Operator : edwardd
Sample : ic579-1
Misc : MS96870,V1T0579,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 19 11:57:46 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 10:19:08 2025
Response via : Initial Calibration

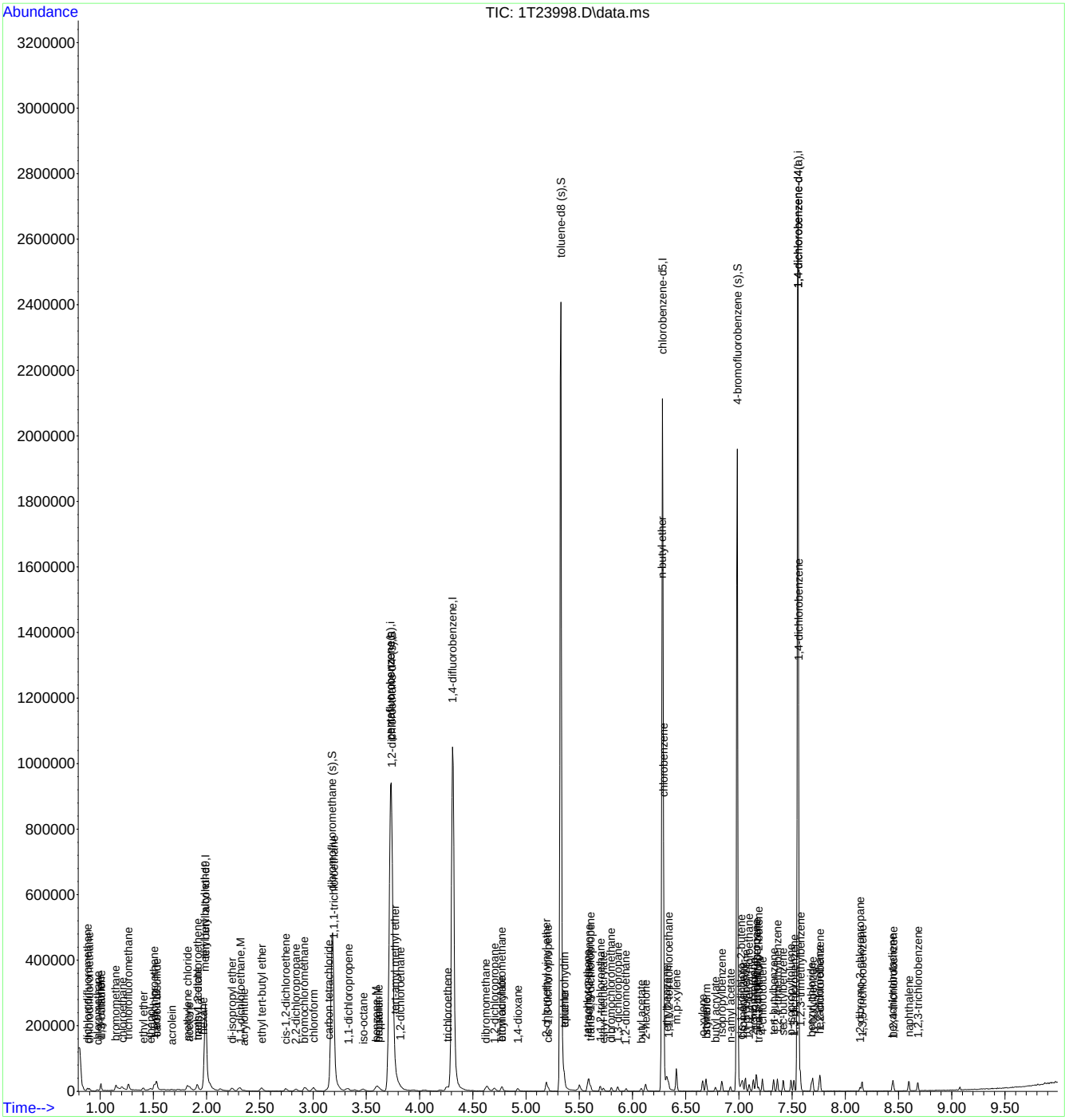
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

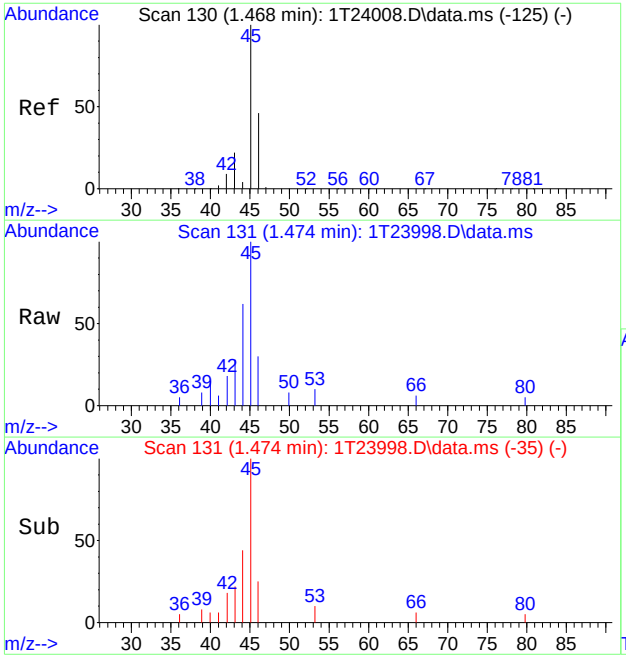
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VT579\
Data File : 1T23998.D
Acq On : 18 Sep 2025 11:03 am
Operator : edwardd
Sample : ic579-1
Misc : MS96870,V1T0579,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 19 11:57:46 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 10:19:08 2025
Response via : Initial Calibration

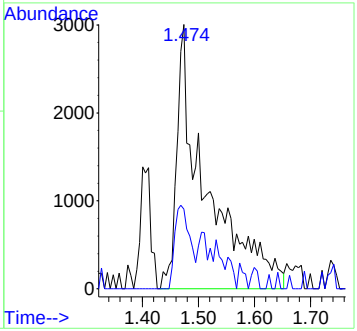


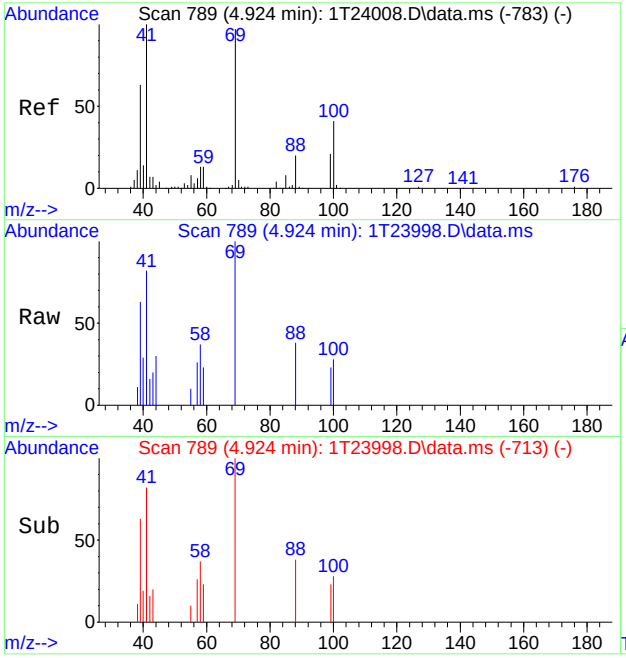


#2
ethanol
Concen: 310.75 ug/L
RT: 1.474 min Scan# 131
Delta R.T. 0.005 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion: 45 Resp: 10905

Ion	Ratio	Lower	Upper
45	100		
46	30.2	24.5	64.5

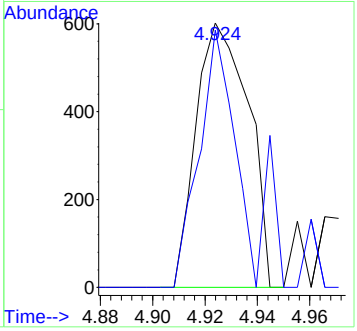


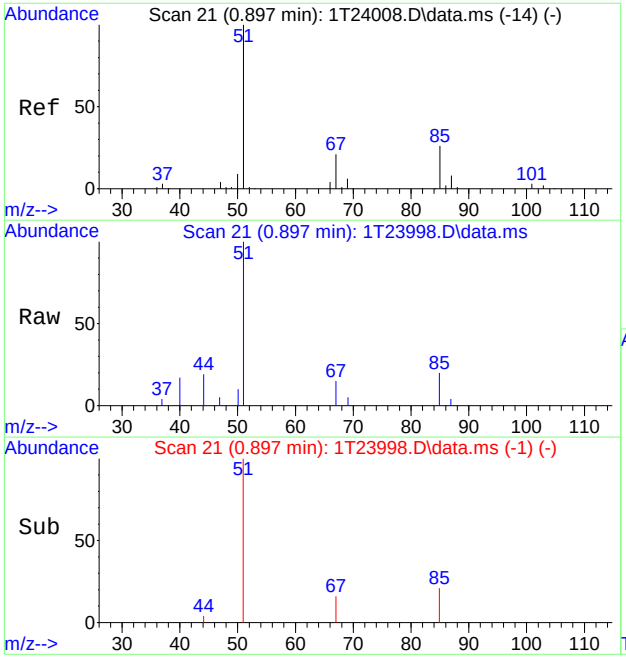


#4
1,4-dioxane
Concen: 26.36 ug/L
RT: 4.924 min Scan# 789
Delta R.T. 0.000 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion: 88 Resp: 838

Ion	Ratio	Lower	Upper
88	100		
58	97.3	43.0	83.0#

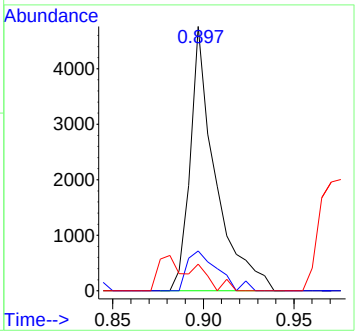


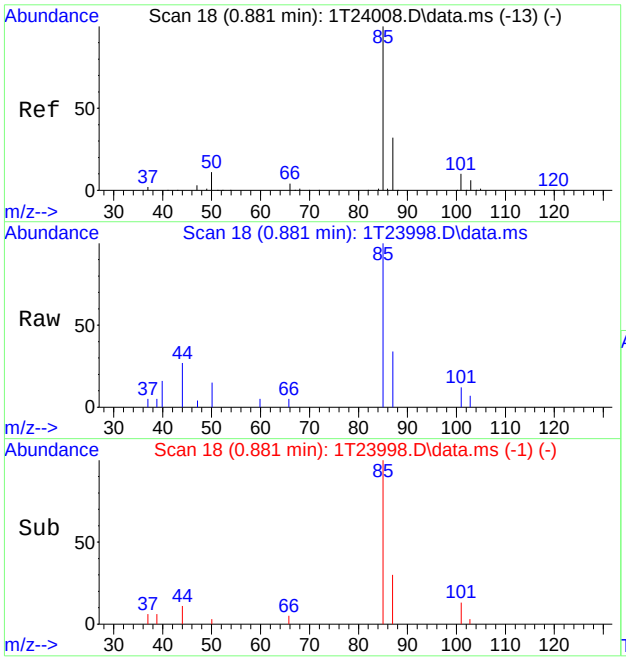


#6
chlorodifluoromethane
Concen: 1.19 ug/L
RT: 0.897 min Scan# 21
Delta R.T. 0.000 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion: 51 Resp: 4581

Ion	Ratio	Lower	Upper
51	100		
67	15.1	0.0	51.0
50	10.1	0.0	38.8

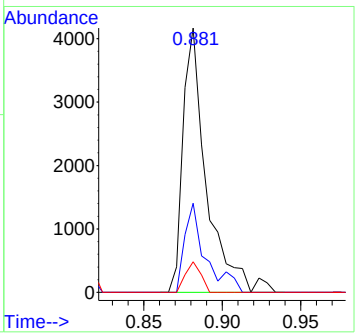


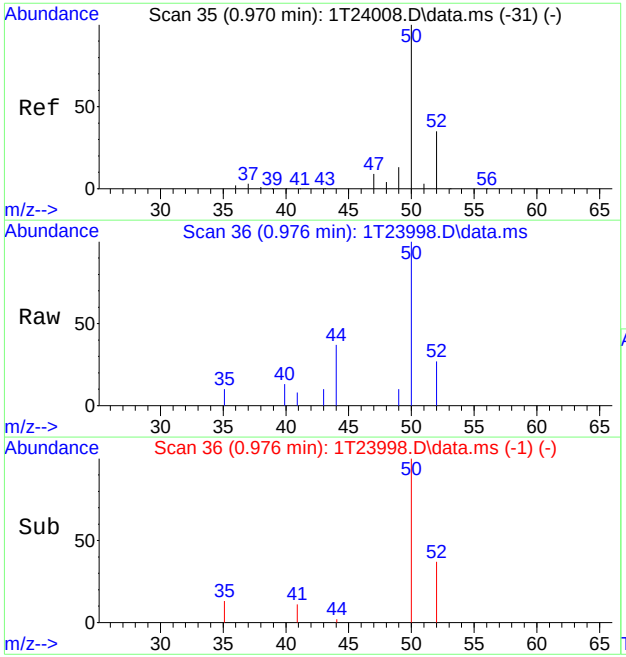


#7
dichlorodifluoromethane
Concen: 0.94 ug/L
RT: 0.881 min Scan# 18
Delta R.T. 0.000 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion: 85 Resp: 4349

Ion	Ratio	Lower	Upper
85	100		
87	33.7	1.6	61.6
101	11.6	0.0	39.6

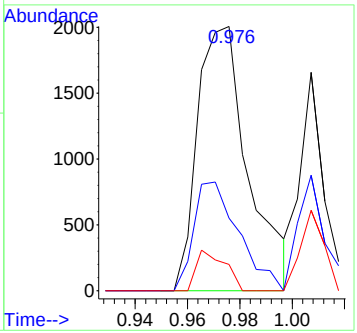


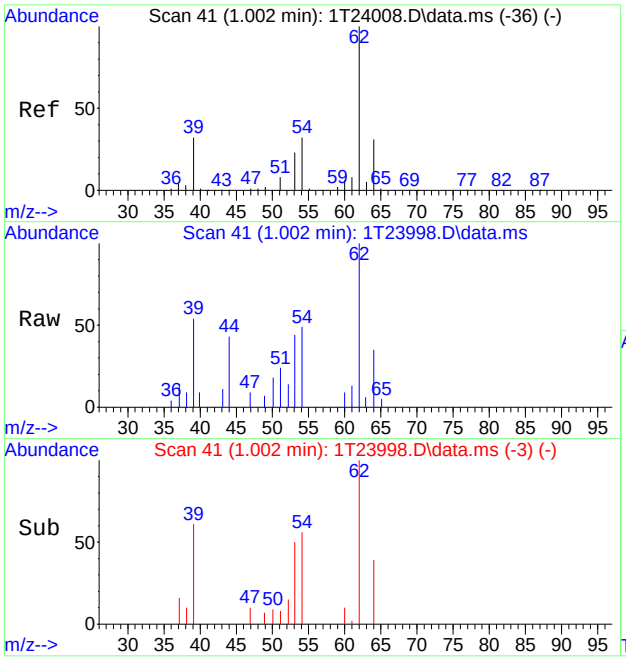


#8
chloromethane
Concen: 0.91 ug/L
RT: 0.976 min Scan# 36
Delta R.T. 0.005 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion: 50 Resp: 2706

Ion	Ratio	Lower	Upper
50	100		
52	27.5	5.4	65.4
49	10.0	0.0	42.5

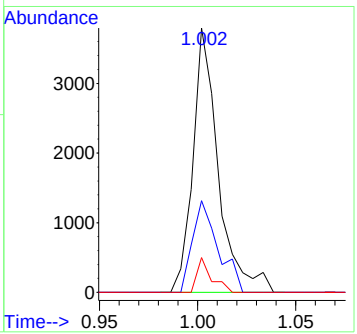


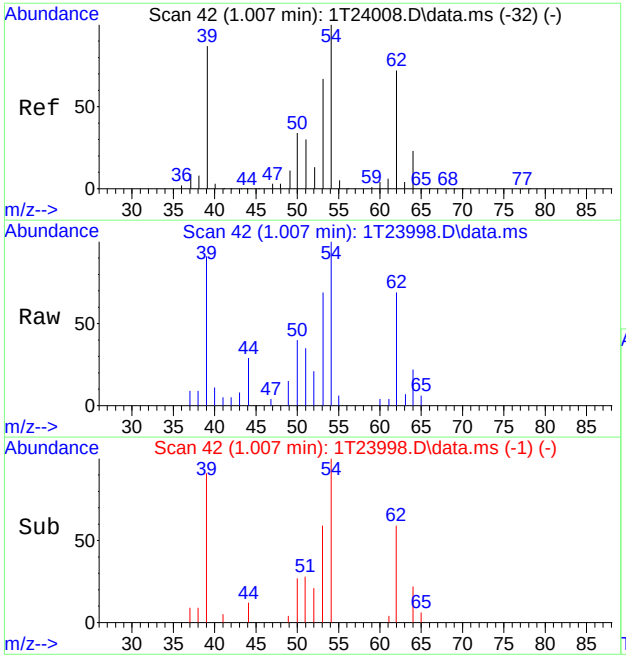


#9
vinyl chloride
Concen: 0.90 ug/L
RT: 1.002 min Scan# 41
Delta R.T. 0.000 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion: 62 Resp: 3422

Ion	Ratio	Lower	Upper
62	100		
64	34.7	1.5	61.5
61	13.1	0.0	38.2

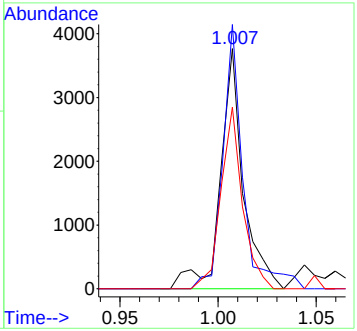


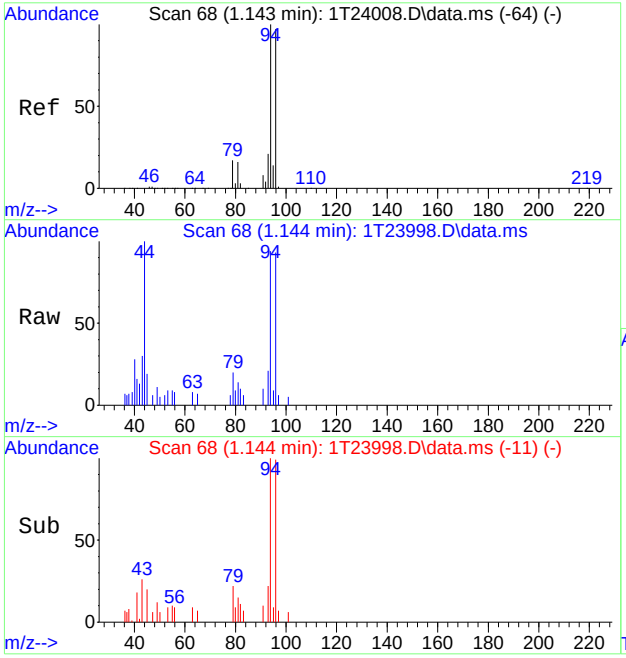


#10
1,3-butadiene
Concen: 1.22 ug/L
RT: 1.007 min Scan# 42
Delta R.T. 0.000 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion: 39 Resp: 3040

Ion	Ratio	Lower	Upper
39	100		
54	110.1	84.6	144.6
53	75.6	47.3	107.3

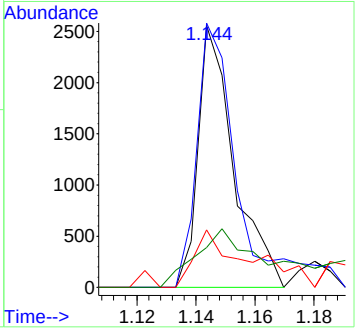


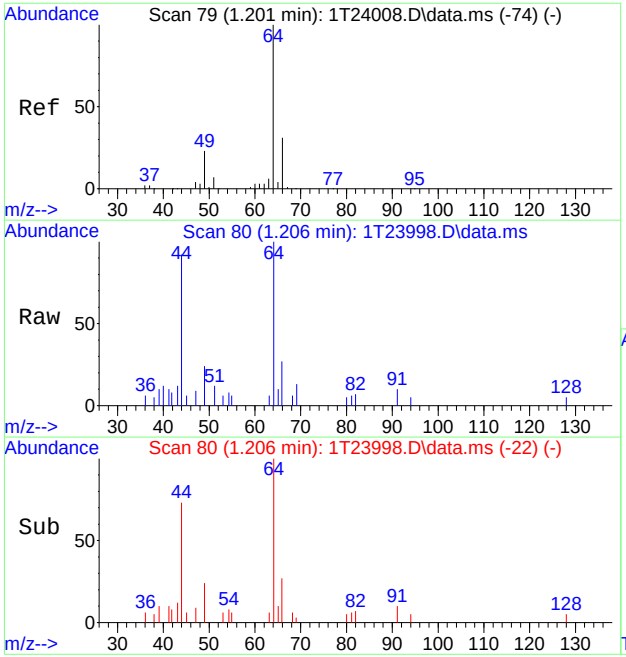


#11
bromomethane
Concen: 0.91 ug/L
RT: 1.144 min Scan# 68
Delta R.T. 0.000 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion: 96 Resp: 2165

Ion	Ratio	Lower	Upper
96	100		
94	101.1	73.2	133.2
79	22.0	17.3	17.3#
81	15.3	0.0	36.8

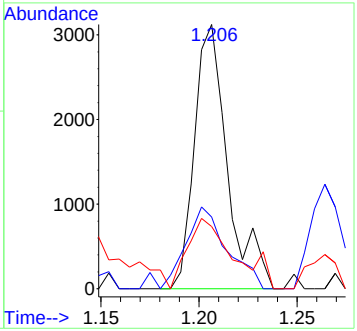


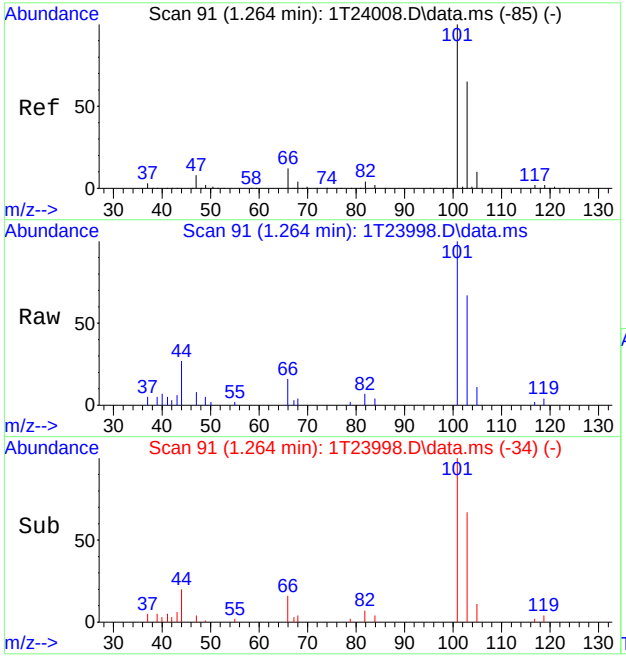


#12
chloroethane
Concen: 1.00 ug/L
RT: 1.206 min Scan# 80
Delta R.T. 0.005 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion: 64 Resp: 3672

Ion	Ratio	Lower	Upper
64	100		
66	27.1	0.9	60.9
49	23.5	0.0	52.7

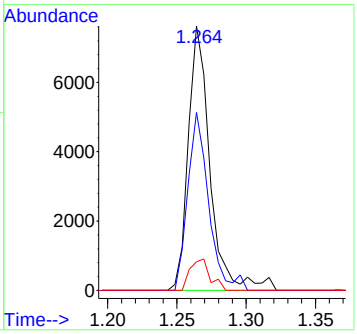


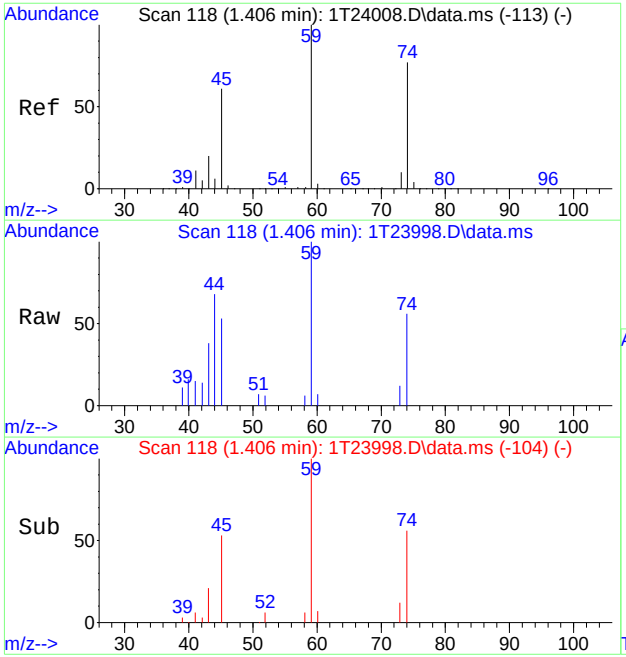


#13
trichlorofluoromethane
Concen: 0.97 ug/L
RT: 1.264 min Scan# 91
Delta R.T. 0.000 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion:101 Resp: 8352

Ion	Ratio	Lower	Upper
101	100		
103	67.4	34.8	94.8
105	10.9	0.0	40.0

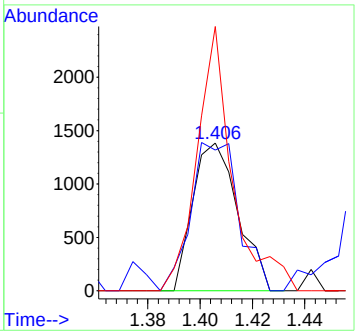


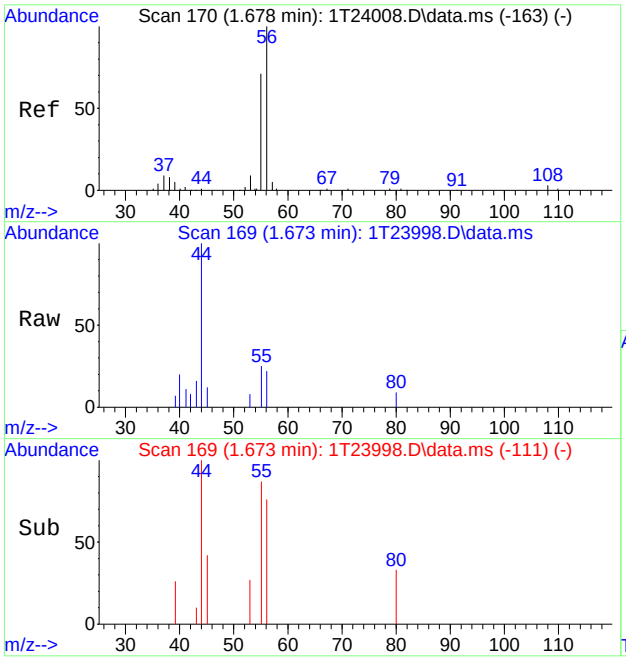


#14
ethyl ether
Concen: 0.77 ug/L
RT: 1.406 min Scan# 118
Delta R.T. 0.000 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion: 74 Resp: 1672

Ion	Ratio	Lower	Upper
74	100		
45	95.3	48.9	108.9
59	179.0	99.2	159.2#

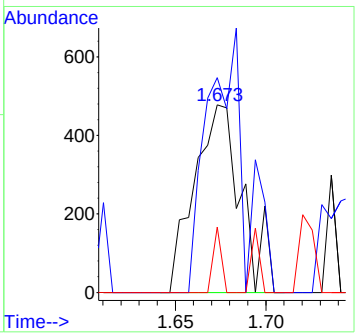


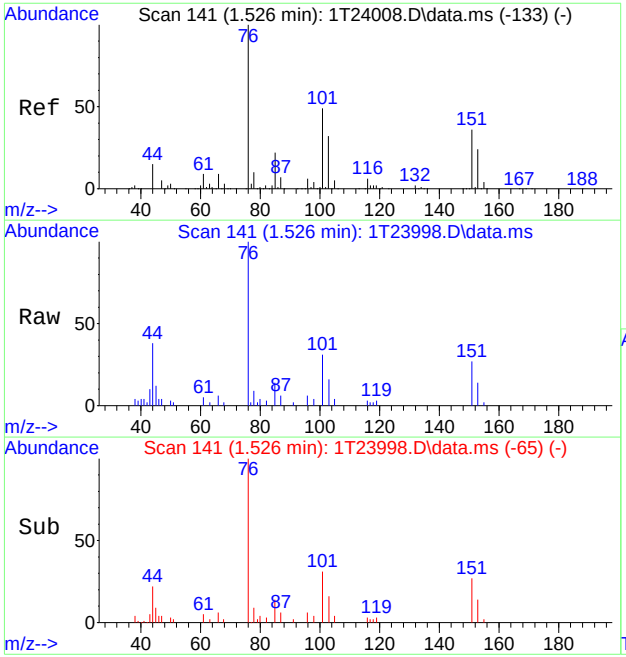


#15
acrolein
Concen: 1.11 ug/L
RT: 1.673 min Scan# 169
Delta R.T. -0.005 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion: 56 Resp: 866

Ion	Ratio	Lower	Upper
56	100		
55	114.4	41.3	101.3#
53	34.9	0.0	38.7

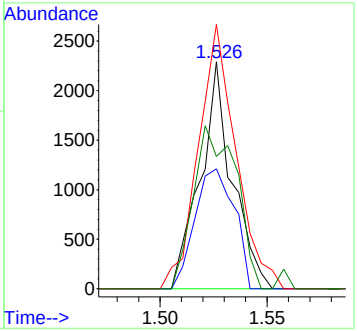


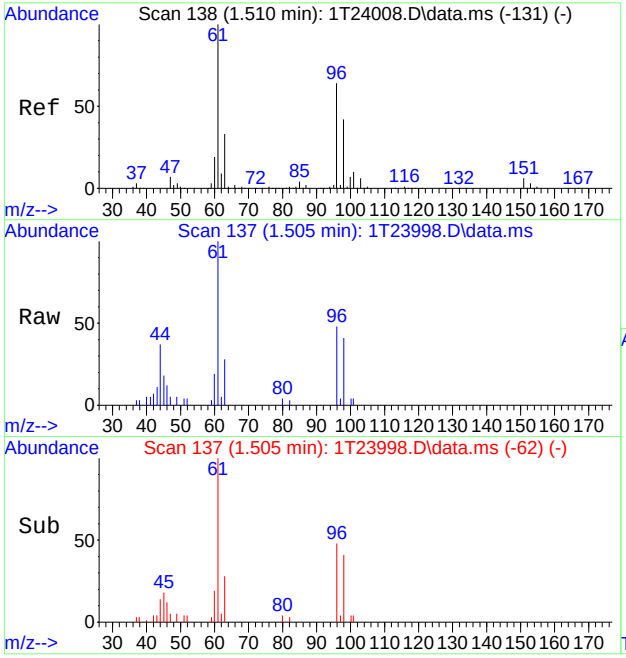


#16
freon 113
Concen: 0.83 ug/L
RT: 1.526 min Scan# 141
Delta R.T. 0.000 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion:151 Resp: 2389

Ion	Ratio	Lower	Upper
151	100		
153	52.9	46.1	86.1
101	116.5	116.7	156.7#
103	58.4	68.3	108.3#

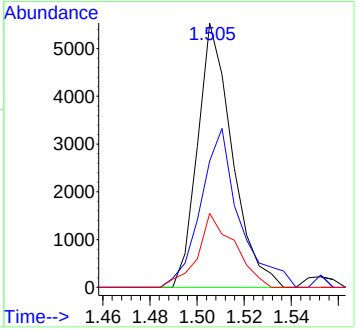


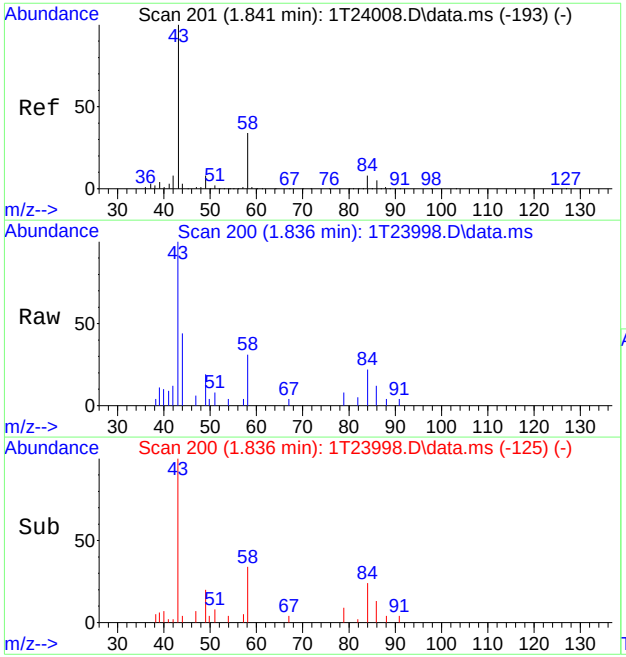


#17
1,1-dichloroethene
Concen: 1.01 ug/L
RT: 1.505 min Scan# 137
Delta R.T. -0.005 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion: 61 Resp: 5649

Ion	Ratio	Lower	Upper
61	100		
96	47.8	33.7	93.7
63	28.0	2.8	62.8

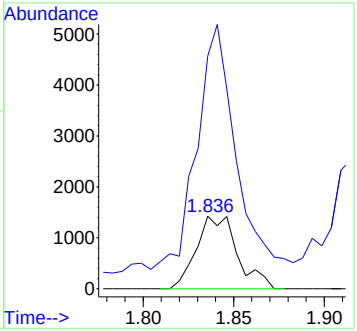


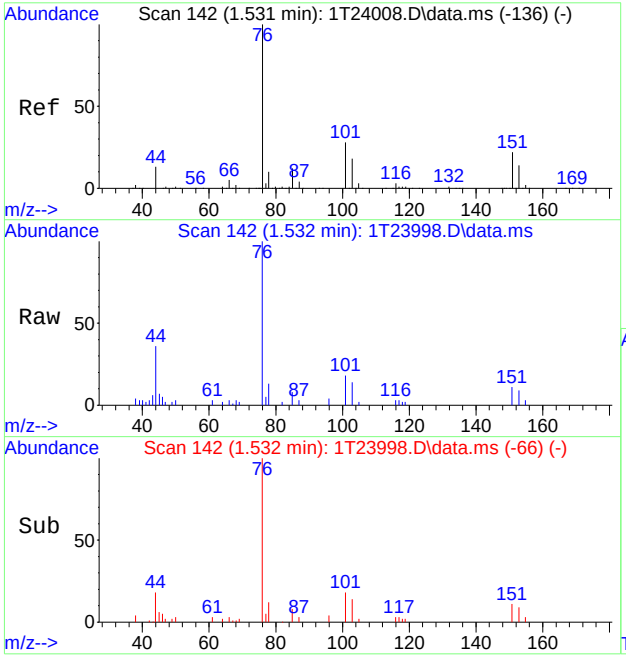


#18
acetone
Concen: 4.91 ug/L
RT: 1.836 min Scan# 200
Delta R.T. -0.005 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion: 58 Resp: 2240

Ion	Ratio	Lower	Upper
58	100		
43	282.7	263.8	323.8

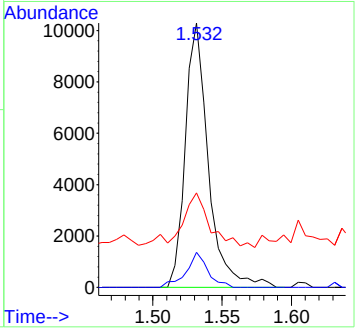


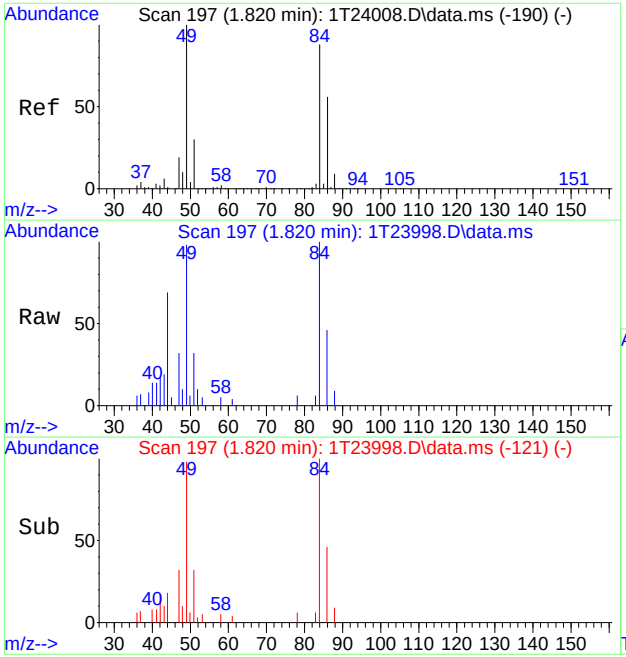


#21
carbon disulfide
Concen: 1.19 ug/L
RT: 1.532 min Scan# 142
Delta R.T. 0.000 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion: 76 Resp: 11958

Ion	Ratio	Lower	Upper
76	100		
78	13.3	0.0	40.0
44	15.9	0.0	43.4

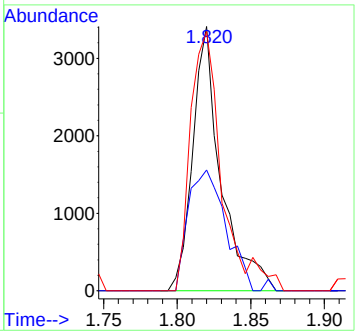


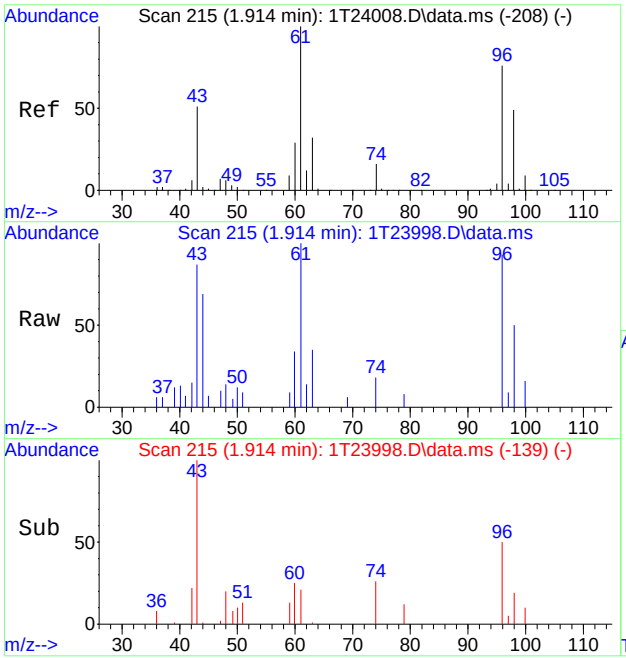


#22
methylene chloride
Concen: 1.16 ug/L
RT: 1.820 min Scan# 197
Delta R.T. 0.000 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion: 84 Resp: 4551

Ion	Ratio	Lower	Upper
84	100		
86	45.7	34.2	94.2
49	98.1	84.0	144.0

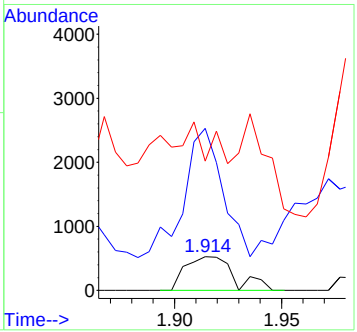


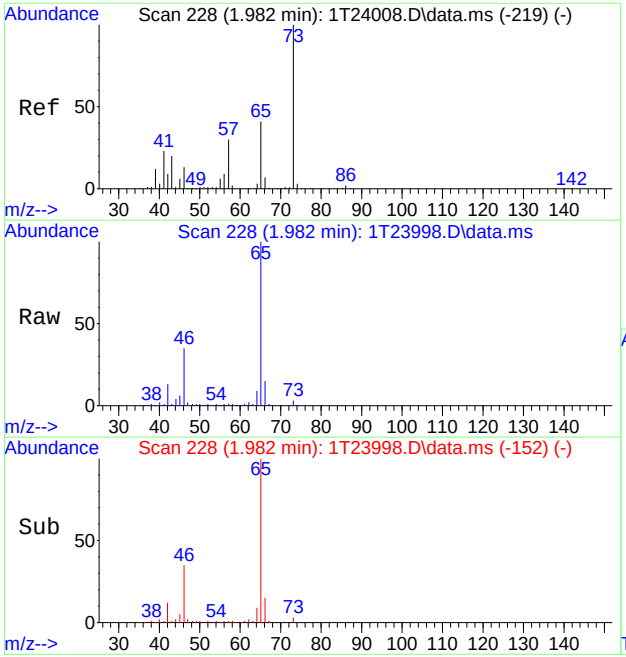


#23
methyl acetate
Concen: 1.10 ug/L
RT: 1.914 min Scan# 215
Delta R.T. 0.000 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion: 74 Resp: 836

Ion	Ratio	Lower	Upper
74	100		
43	294.3	282.8	342.8
44	142.2	0.0	42.2#

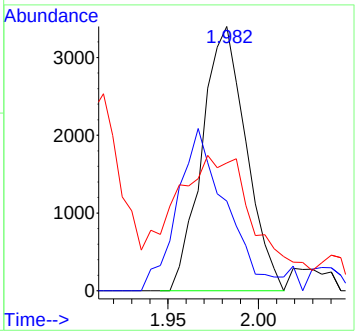


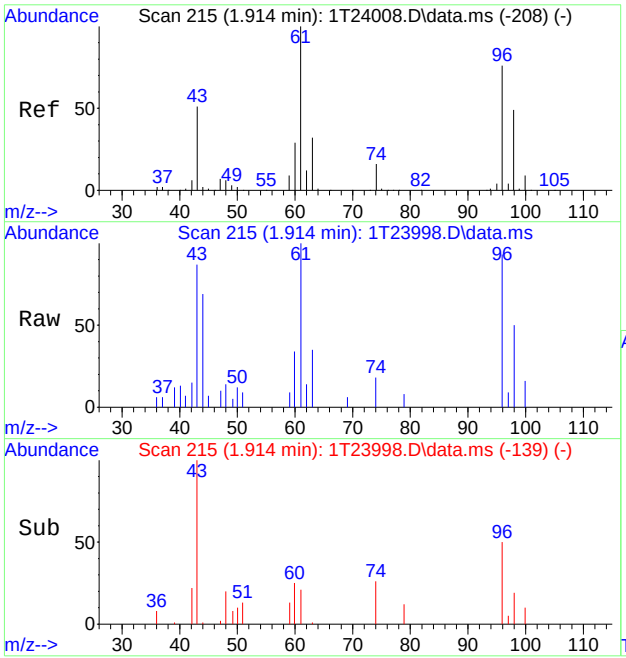


#24
methyl tert butyl ether
Concen: 0.79 ug/L
RT: 1.982 min Scan# 228
Delta R.T. 0.000 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion: 73 Resp: 5742

Ion	Ratio	Lower	Upper
73	100		
57	28.8	0.0	60.0
43	35.4	0.0	55.7

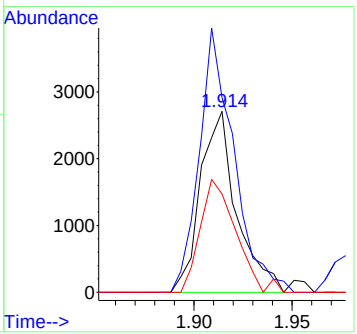


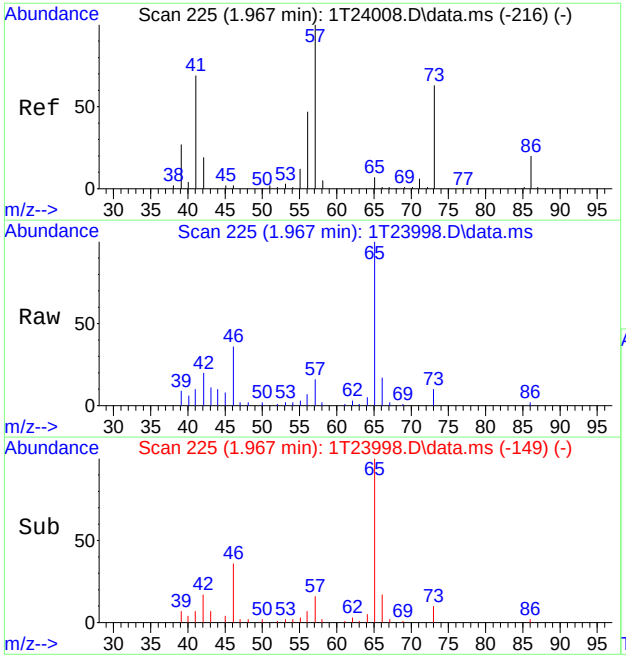


#25
trans-1,2-dichloroethene
Concen: 0.92 ug/L
RT: 1.914 min Scan# 215
Delta R.T. 0.000 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion: 96 Resp: 3487

Ion	Ratio	Lower	Upper
96	100		
61	107.6	101.0	161.0
98	54.3	34.5	94.5

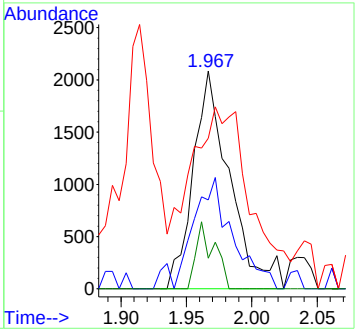


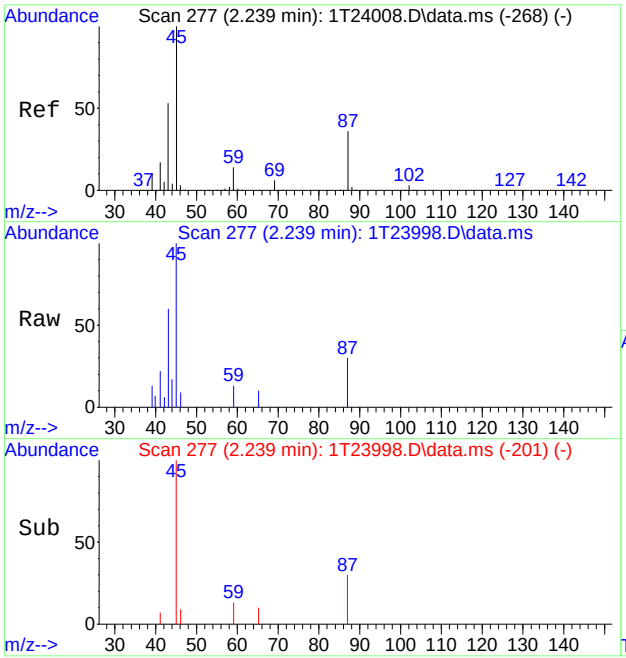


#26
hexane
Concen: 0.76 ug/L
RT: 1.967 min Scan# 225
Delta R.T. -0.000 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion: 57 Resp: 4050

Ion	Ratio	Lower	Upper
57	100		
56	40.8	27.2	67.2
43	51.6	37.1	77.1
86	14.0	0.1	40.1

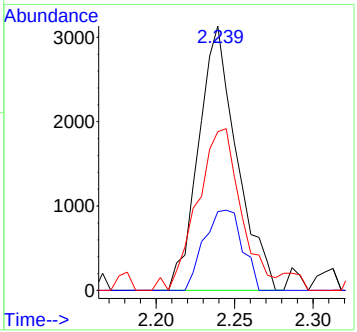




#27
di-isopropyl ether
Concen: 0.84 ug/L
RT: 2.239 min Scan# 277
Delta R.T. 0.000 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

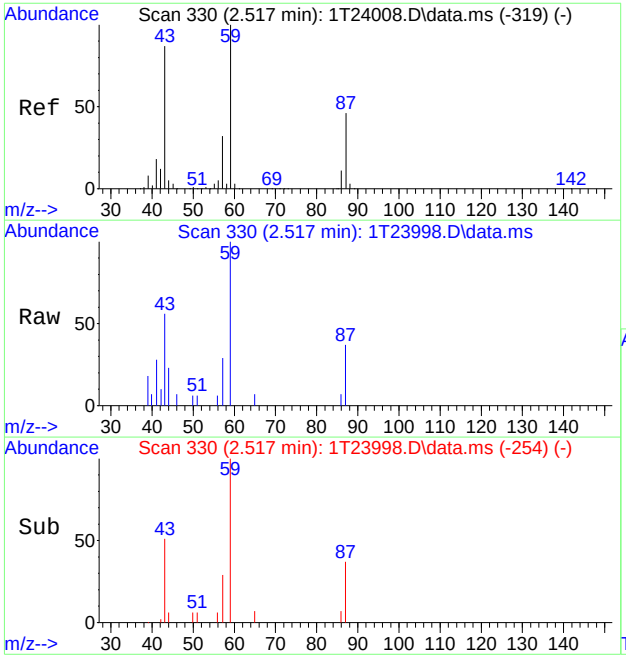
Tgt Ion: 45 Resp: 5318

Ion	Ratio	Lower	Upper
45	100		
87	29.8	6.3	66.3
43	55.1	23.0	83.0



7.6.17

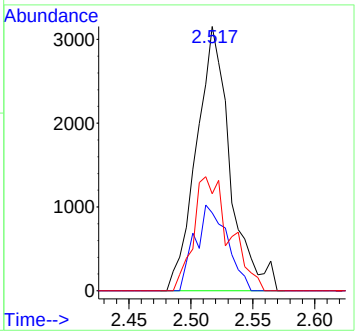
7

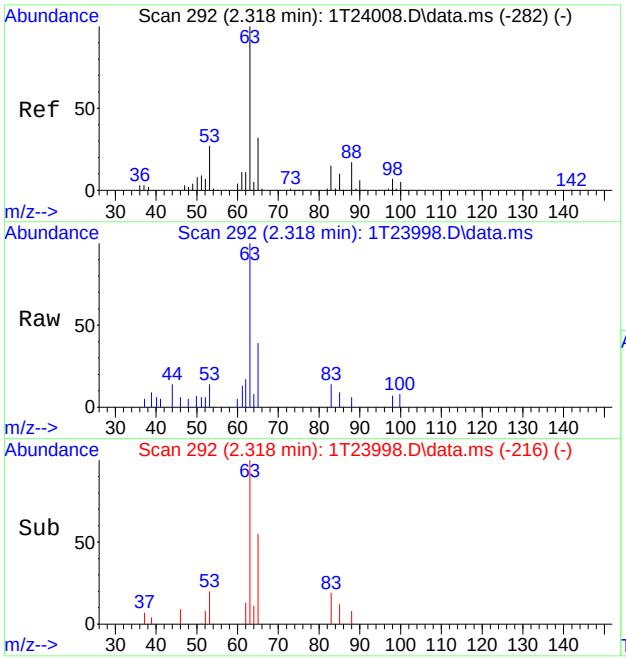


#28
ethyl tert-butyl ether
Concen: 0.72 ug/L
RT: 2.517 min Scan# 330
Delta R.T. 0.000 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion: 59 Resp: 5975

Ion	Ratio	Lower	Upper
59	100		
57	29.5	2.1	62.1
87	36.7	15.5	75.5

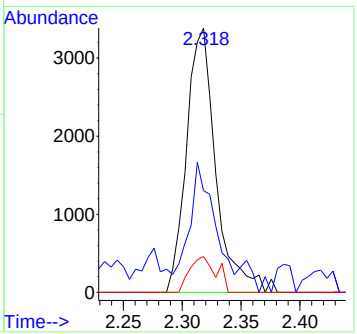


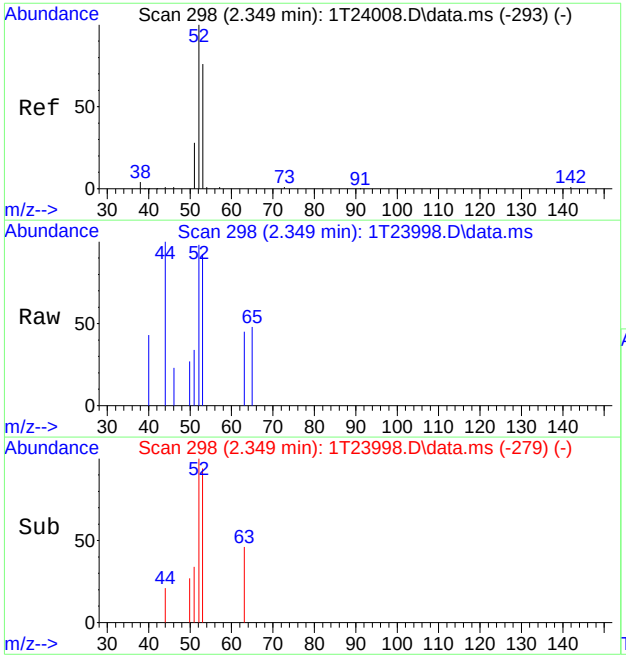


#30
1,1-dichloroethane
Concen: 1.08 ug/L
RT: 2.318 min Scan# 292
Delta R.T. 0.000 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion: 63 Resp: 5897

Ion	Ratio	Lower	Upper
63	100		
65	30.7	2.0	62.0
83	13.6	0.0	45.2

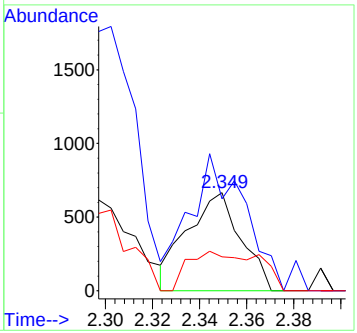


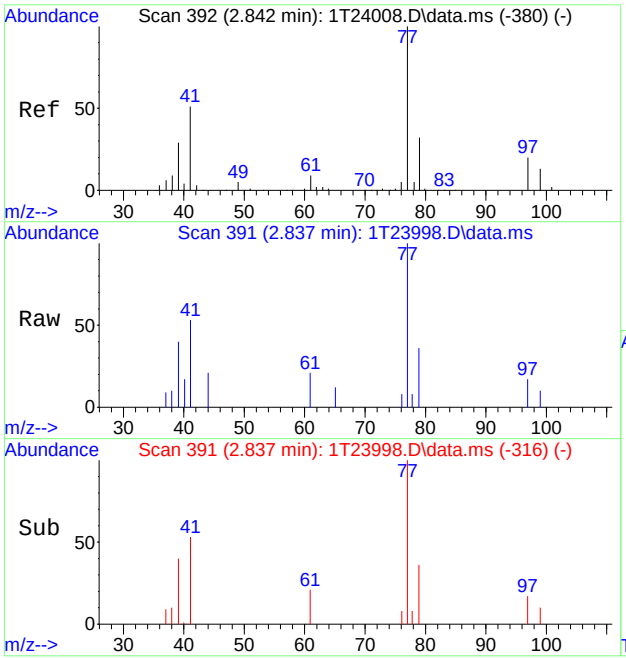


#32
acrylonitrile
Concen: 0.88 ug/L
RT: 2.349 min Scan# 298
Delta R.T. 0.000 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion: 52 Resp: 1059

Ion	Ratio	Lower	Upper
52	100		
53	93.7	96.8	156.8#
51	34.5	14.4	74.4

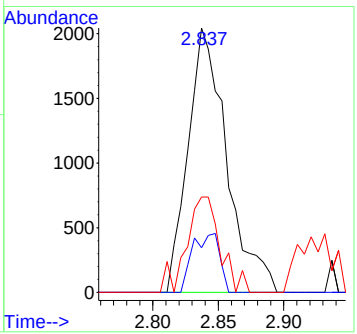


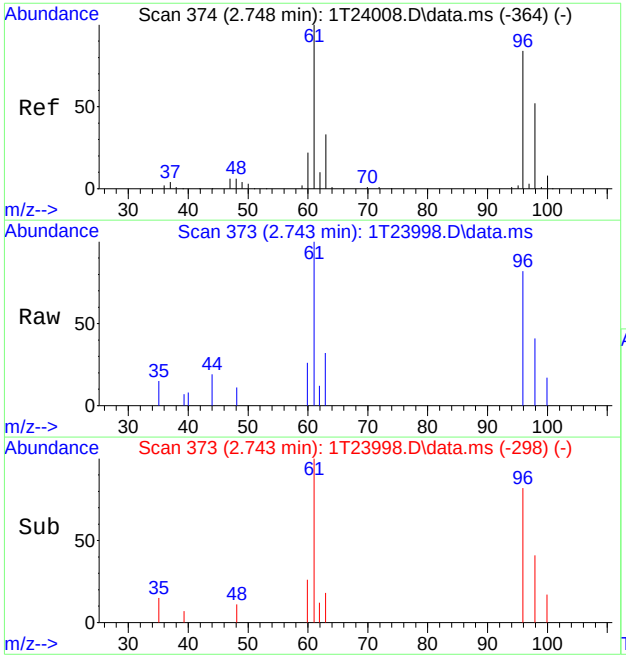


#35
2,2-dichloropropane
Concen: 0.94 ug/L
RT: 2.837 min Scan# 391
Delta R.T. -0.005 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion: 77 Resp: 4218

Ion	Ratio	Lower	Upper
77	100		
97	16.9	0.0	50.0
79	36.1	2.2	62.2

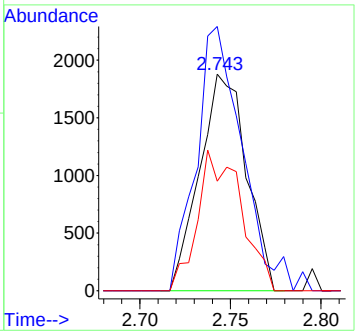


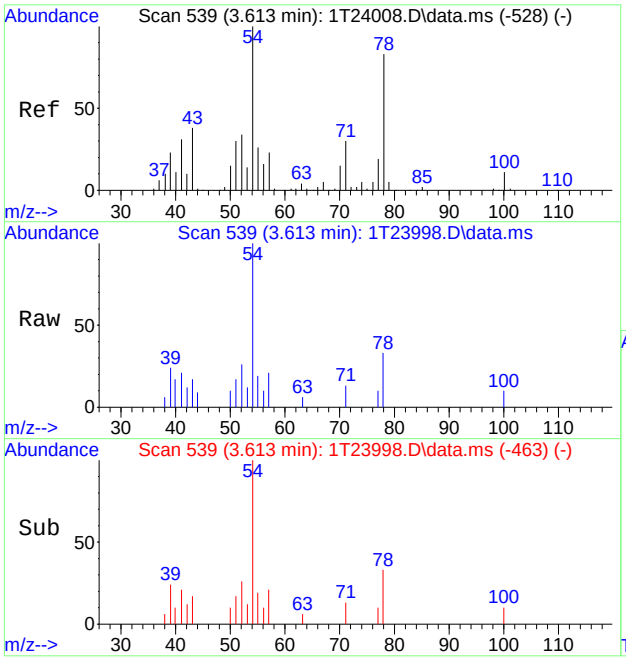


#36
cis-1,2-dichloroethene
Concen: 1.03 ug/L
RT: 2.743 min Scan# 373
Delta R.T. -0.005 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion: 96 Resp: 3384

Ion	Ratio	Lower	Upper
96	100		
61	122.1	89.4	149.4
98	50.6	32.0	92.0

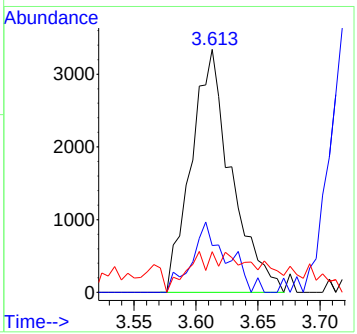


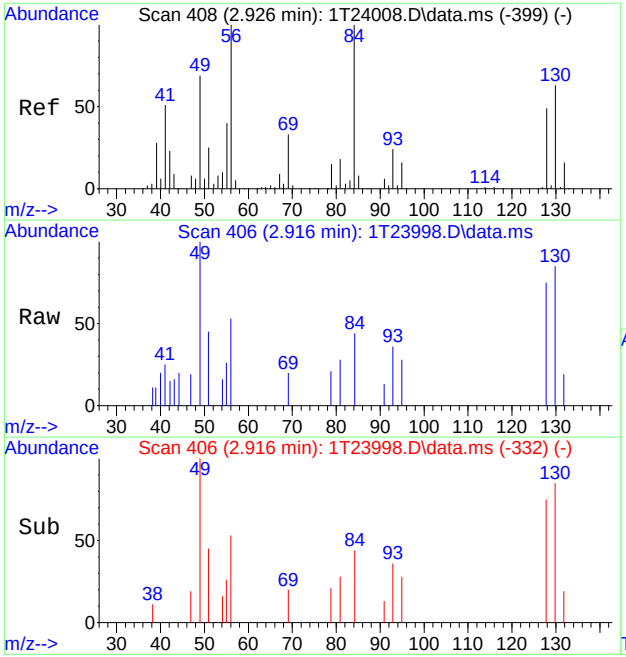


#37
propionitrile
Concen: 12.73 ug/L
RT: 3.613 min Scan# 539
Delta R.T. 0.000 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion: 54 Resp: 7489

Ion	Ratio	Lower	Upper
54	100		
55	19.2	0.0	55.9
40	9.8	0.0	41.2

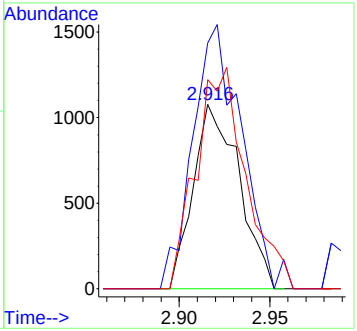


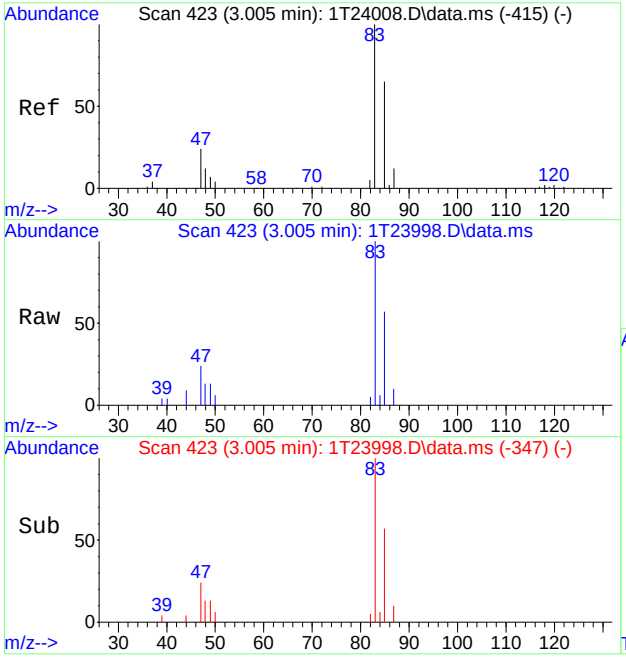


#39
bromochloromethane
Concen: 1.16 ug/L
RT: 2.916 min Scan# 406
Delta R.T. -0.010 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion:128 Resp: 1891

Ion	Ratio	Lower	Upper
128	100		
49	133.4	110.2	170.2
130	113.4	98.0	158.0

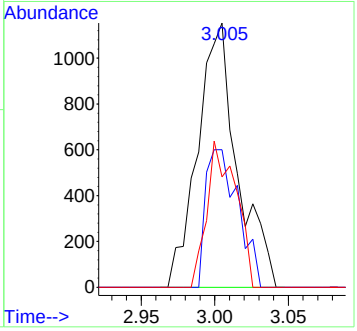


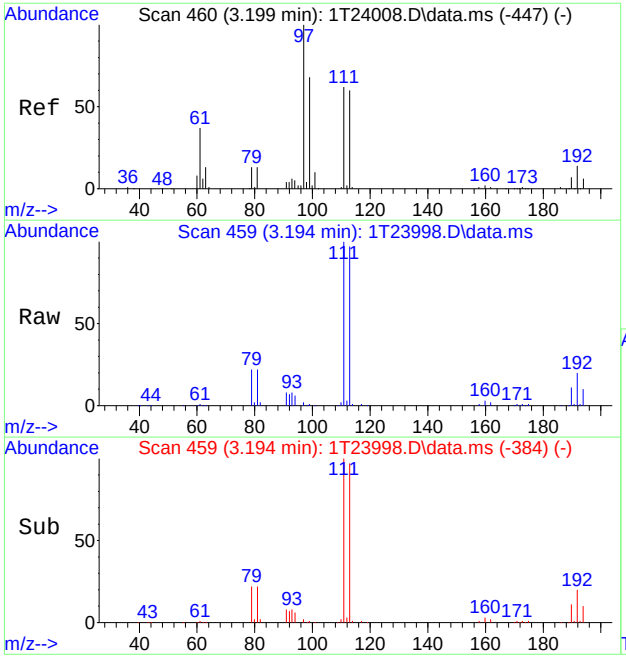


#41
chloroform
Concen: 1.42 ug/L
RT: 3.005 min Scan# 423
Delta R.T. 0.000 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion: 47 Resp: 2156

Ion	Ratio	Lower	Upper
47	100		
48	52.0	19.2	79.2
87	41.8	18.5	78.5

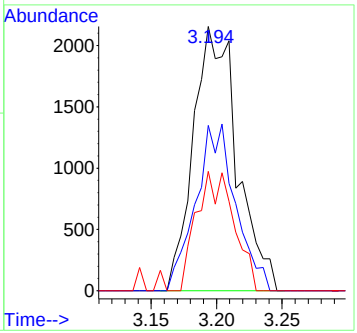


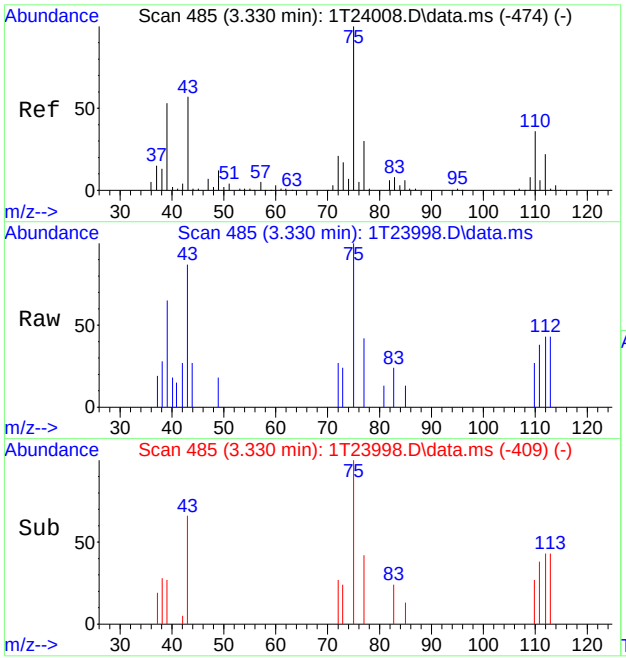


#44
1,1,1-trichloroethane
Concen: 1.00 ug/L
RT: 3.194 min Scan# 459
Delta R.T. -0.005 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion: 97 Resp: 5007

Ion	Ratio	Lower	Upper
97	100		
99	62.5	38.0	98.0
61	45.2	11.6	71.6

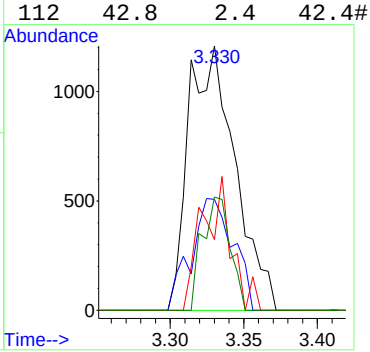


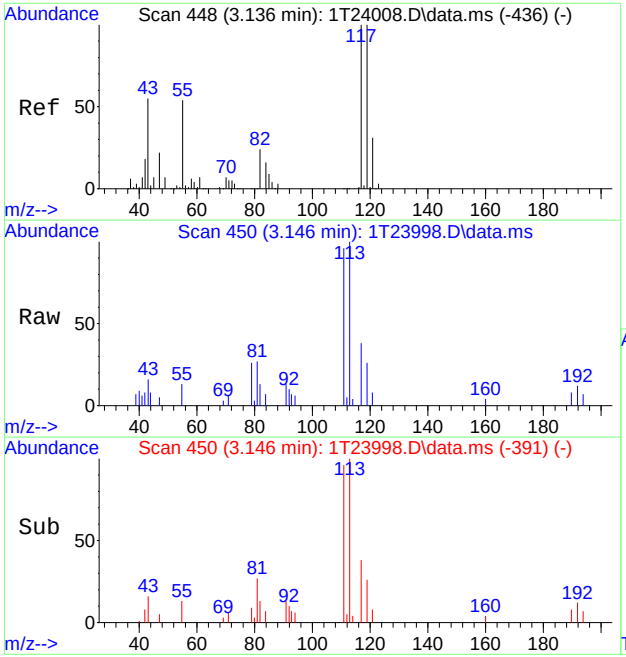


#46
1,1-dichloropropene
Concen: 0.59 ug/L
RT: 3.330 min Scan# 485
Delta R.T. 0.000 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion: 75 Resp: 2657

Ion	Ratio	Lower	Upper
75	100		
77	42.0	9.7	49.7
110	26.7	15.7	55.7
112	42.8	2.4	42.4#

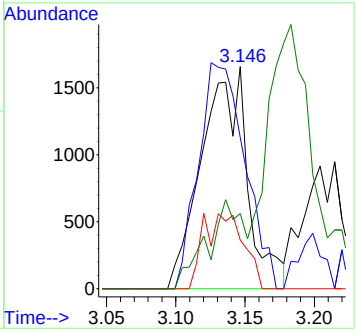


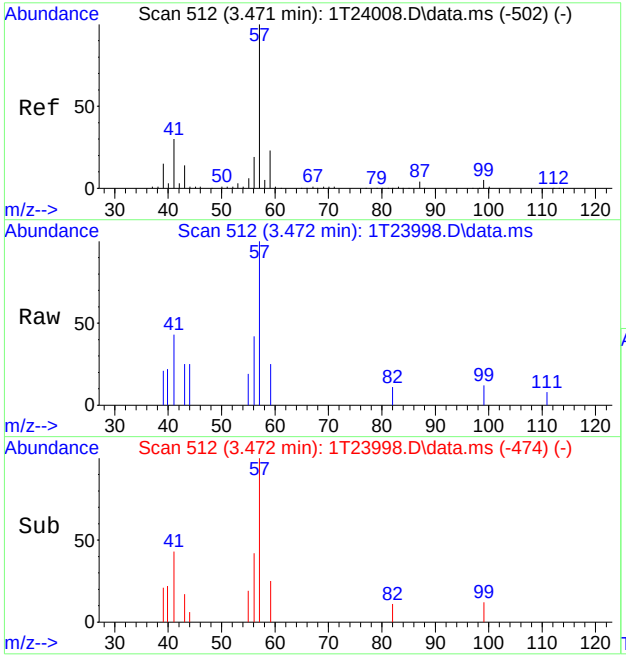


#47
carbon tetrachloride
Concen: 0.75 ug/L
RT: 3.146 min Scan# 450
Delta R.T. 0.011 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion:117 Resp: 3802

Ion	Ratio	Lower	Upper
117	100		
119	68.1	80.5	120.5#
121	21.9	11.1	51.1
82	33.8	4.2	44.2

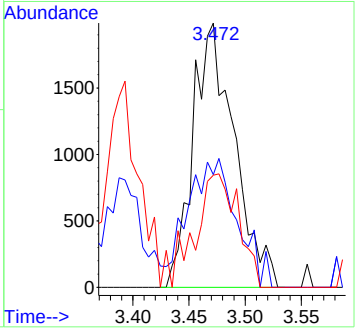


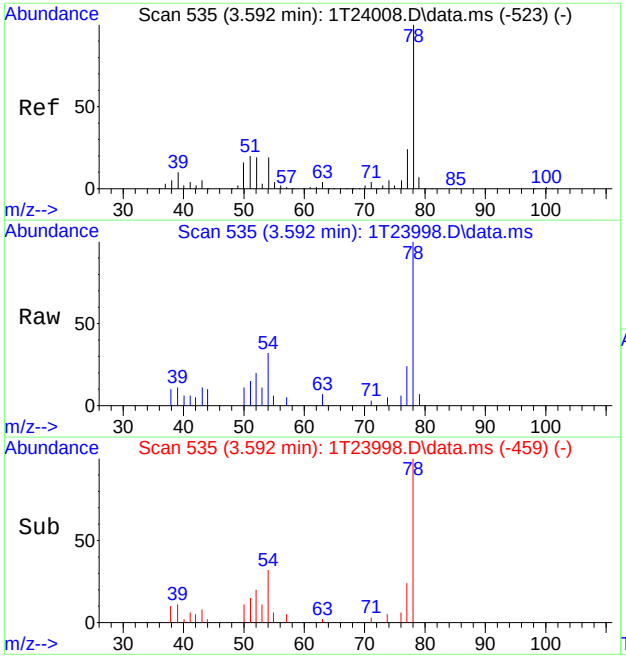


#52
iso-octane
Concen: 0.81 ug/L
RT: 3.472 min Scan# 512
Delta R.T. 0.000 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion: 57 Resp: 5115

Ion	Ratio	Lower	Upper
57	100		
41	42.6	17.8	57.8
56	42.4	15.2	55.2

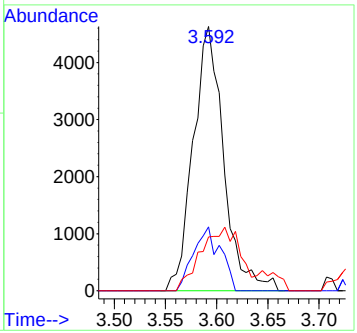


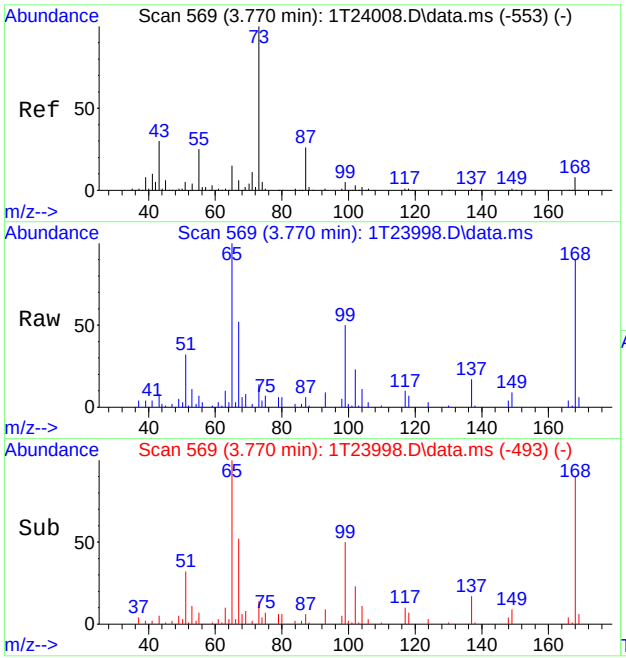


#53
benzene
Concen: 0.89 ug/L
RT: 3.592 min Scan# 535
Delta R.T. 0.000 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion: 78 Resp: 9616

Ion	Ratio	Lower	Upper
78	100		
77	24.1	0.0	54.3
52	20.3	0.0	48.8

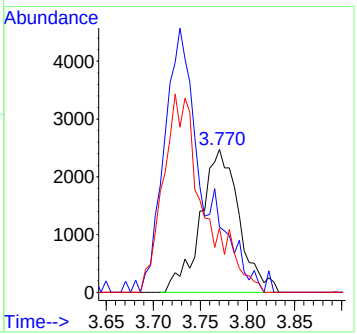


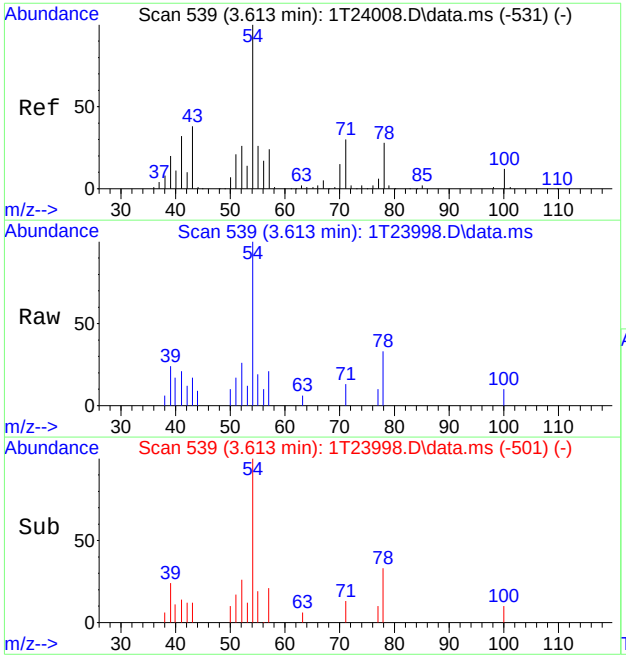


#54
tert-amyl methyl ether
Concen: 0.95 ug/L
RT: 3.770 min Scan# 569
Delta R.T. 0.000 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion: 73 Resp: 7006

Ion	Ratio	Lower	Upper
73	100		
55	45.7	5.6	45.6#
87	45.0	6.1	46.1

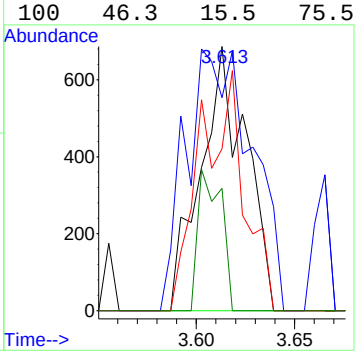


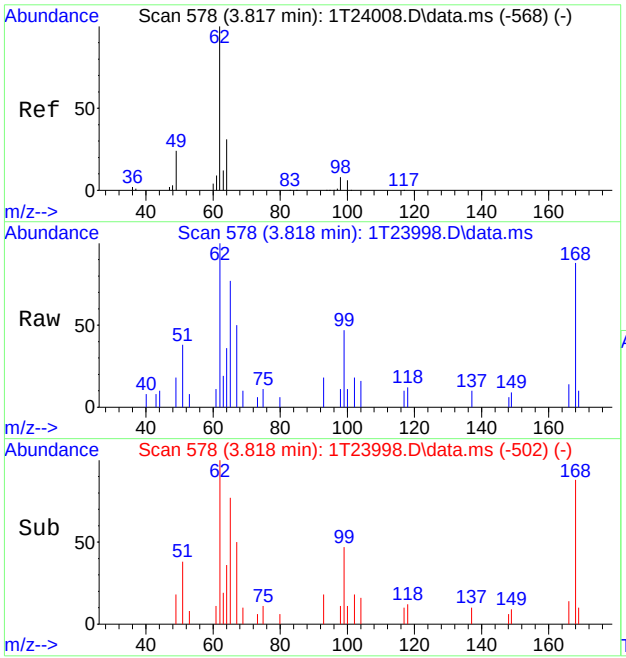


#55
heptane
Concen: 0.85 ug/L
RT: 3.613 min Scan# 539
Delta R.T. 0.000 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion: 57 Resp: 1101

Ion	Ratio	Lower	Upper
57	100		
43	80.5	120.9	180.9#
71	61.3	89.7	149.7#
100	46.3	15.5	75.5

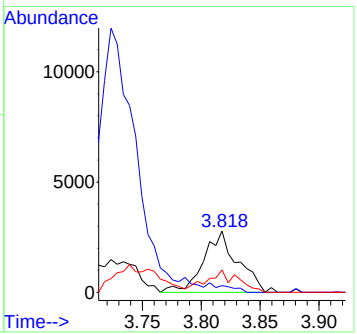


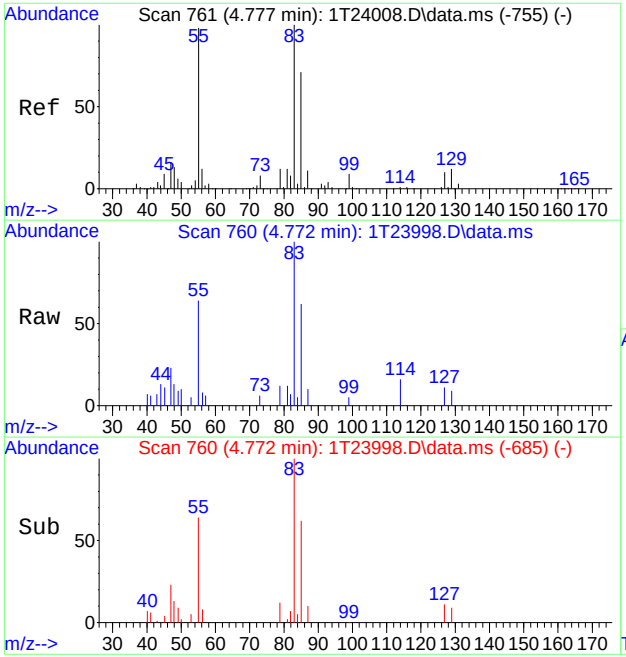


#57
1,2-dichloroethane
Concen: 1.23 ug/L
RT: 3.818 min Scan# 578
Delta R.T. 0.000 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion: 62 Resp: 5641

Ion	Ratio	Lower	Upper
62	100		
98	10.9	0.0	39.3
64	36.4	1.8	61.8

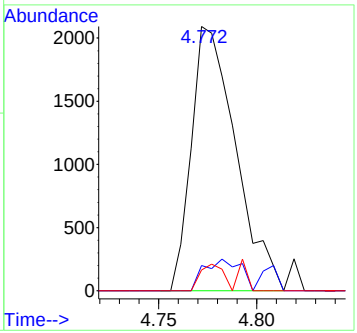


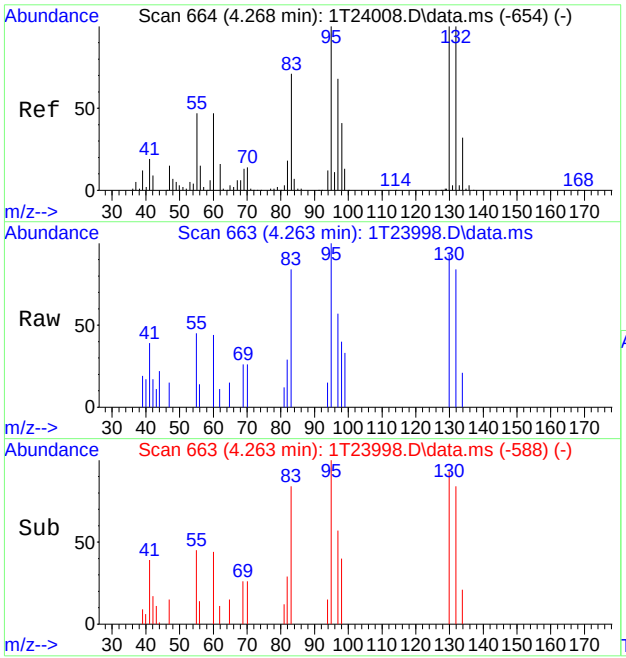


#59
ethyl acrylate
Concen: 0.90 ug/L
RT: 4.772 min Scan# 760
Delta R.T. -0.005 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion: 55 Resp: 3289

Ion	Ratio	Lower	Upper
55	100		
73	9.6	0.0	37.8
99	7.9	0.0	39.3

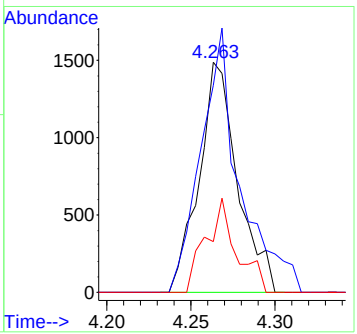


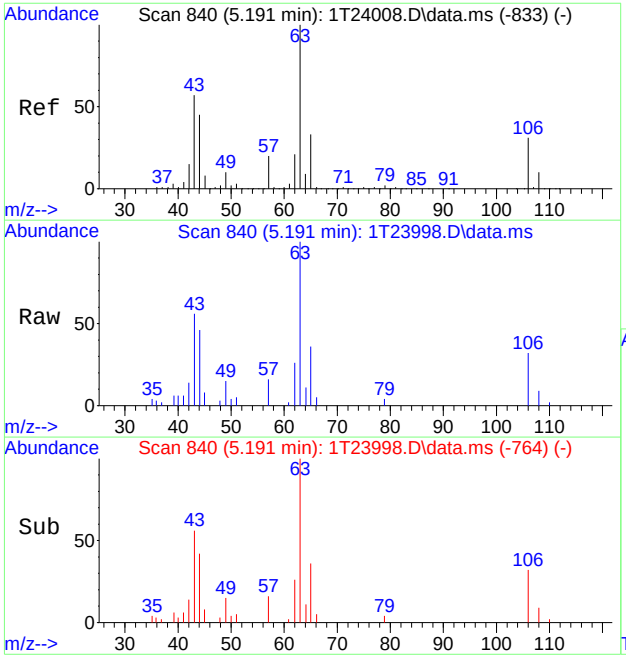


#60
trichloroethene
Concen: 0.74 ug/L
RT: 4.263 min Scan# 663
Delta R.T. -0.005 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion:130 Resp: 2372

Ion	Ratio	Lower	Upper
130	100		
132	90.1	69.8	129.8
134	22.0	2.3	62.3

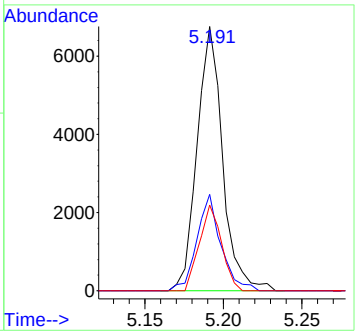


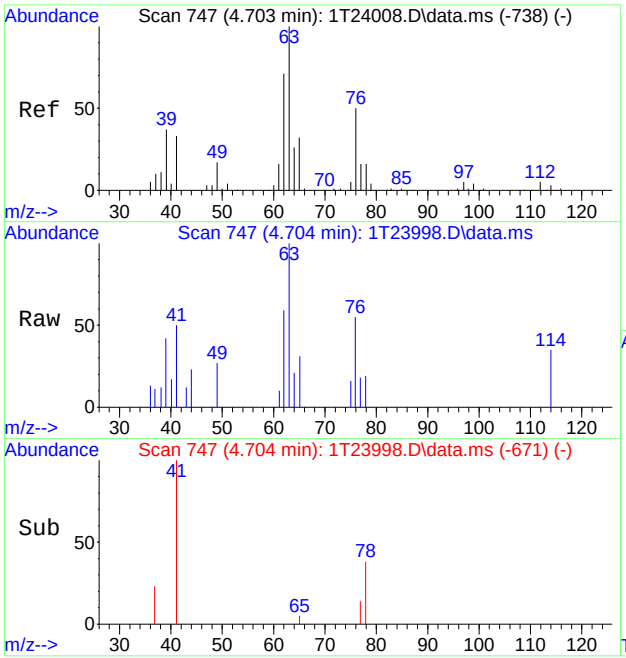


#62
2-chloroethyl vinyl ether
Concen: 4.76 ug/L
RT: 5.191 min Scan# 840
Delta R.T. 0.000 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion: 63 Resp: 7644

Ion	Ratio	Lower	Upper
63	100		
65	36.4	2.7	62.7
106	32.5	0.6	60.6

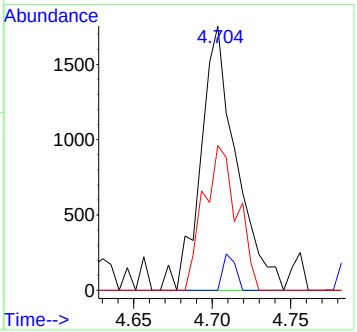


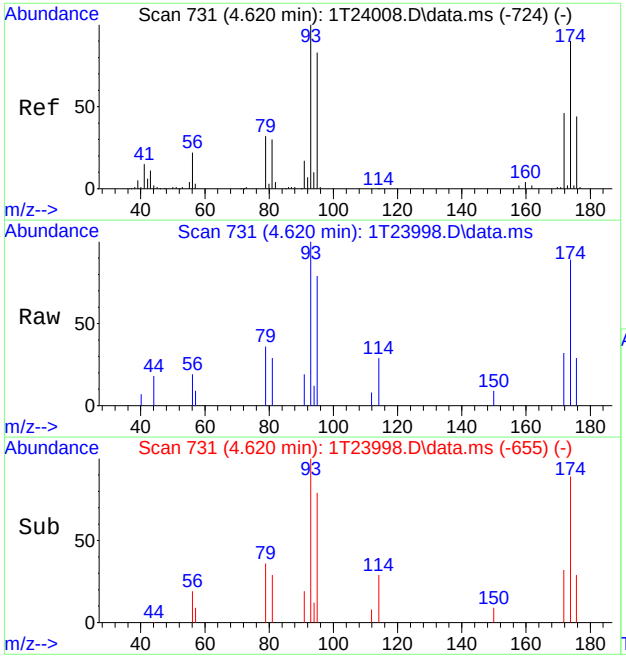


#64
1,2-dichloropropane
Concen: 0.98 ug/L
RT: 4.704 min Scan# 747
Delta R.T. 0.000 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion: 63 Resp: 2776

Ion	Ratio	Lower	Upper
63	100		
112	0.0	0.0	34.7
76	54.8	20.1	80.1

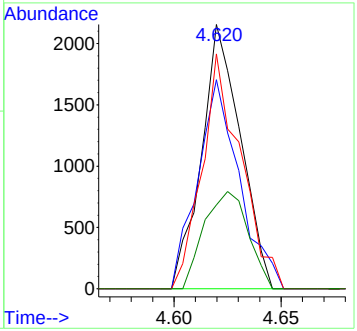


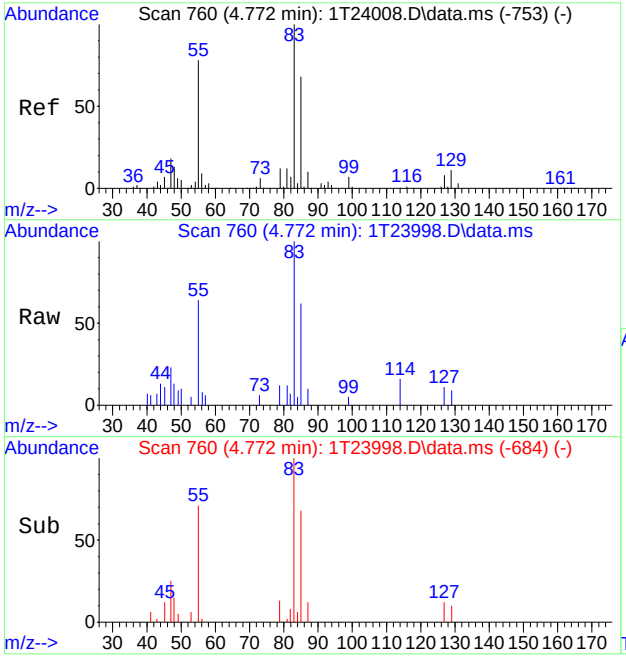


#66
dibromomethane
Concen: 1.14 ug/L
RT: 4.620 min Scan# 731
Delta R.T. 0.000 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion: 93 Resp: 2744

Ion	Ratio	Lower	Upper
93	100		
95	79.1	53.3	113.3
174	88.8	59.6	119.6
172	31.7	26.5	66.5

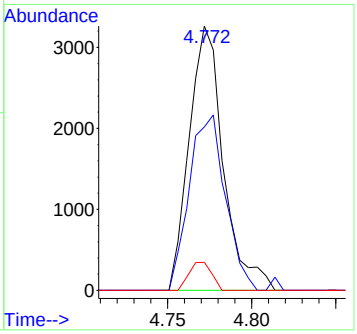


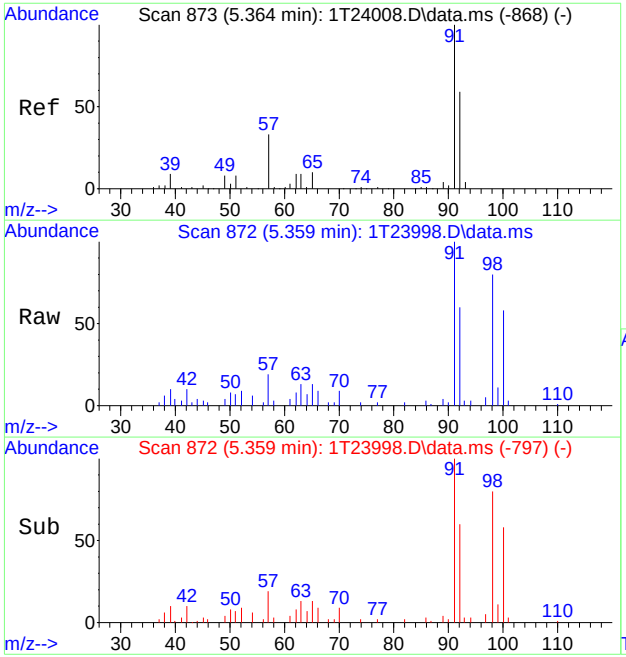


#67
bromodichloromethane
Concen: 1.05 ug/L
RT: 4.772 min Scan# 760
Delta R.T. 0.000 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion: 83 Resp: 4617

Ion	Ratio	Lower	Upper
83	100		
85	61.8	38.0	98.0
127	10.6	0.0	38.3

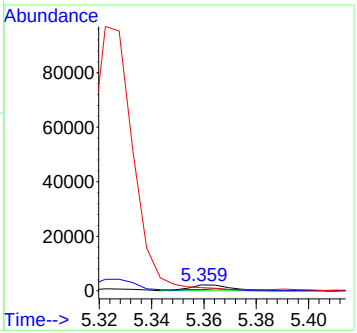


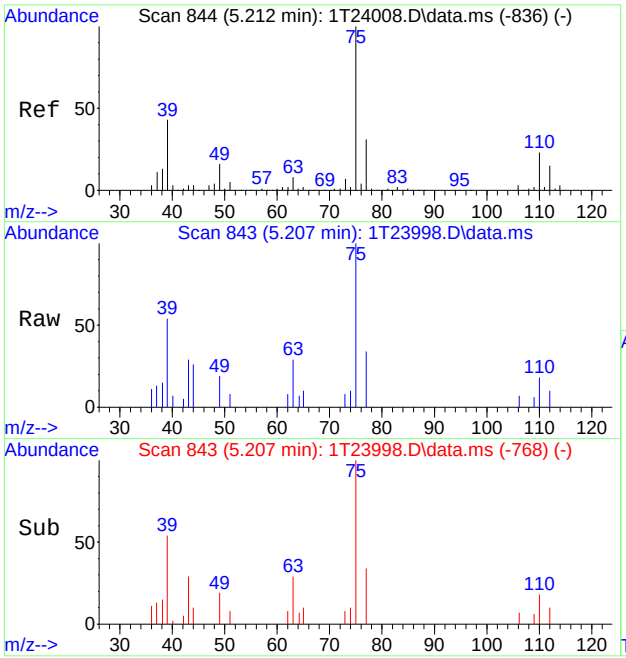


#68
epichlorohydrin
Concen: 5.73 ug/L
RT: 5.359 min Scan# 872
Delta R.T. -0.005 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion: 57 Resp: 2374

Ion	Ratio	Lower	Upper
57	100		
49	19.6	5.6	45.6
42	22.3	0.0	29.5

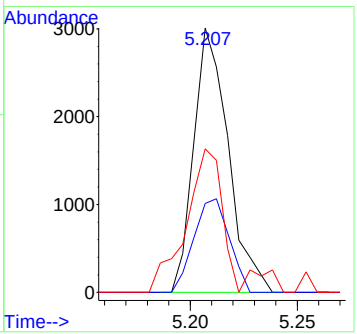


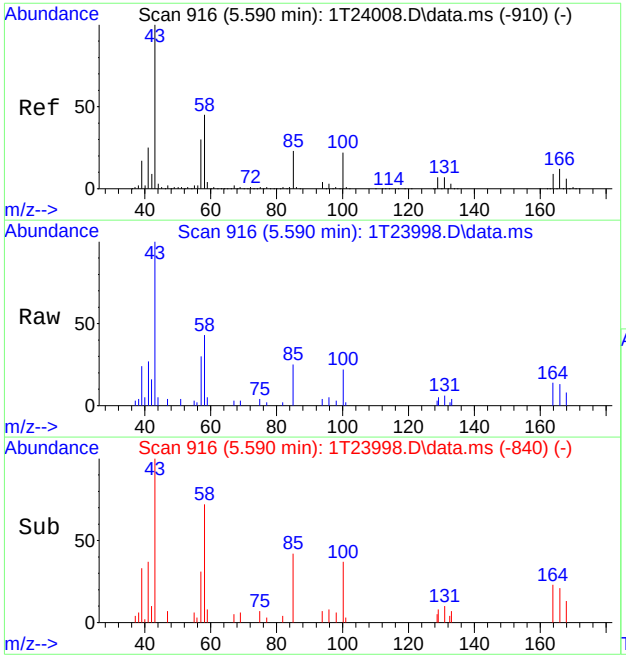


#69
cis-1,3-dichloropropene
Concen: 0.79 ug/L
RT: 5.207 min Scan# 843
Delta R.T. -0.005 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion: 75 Resp: 3372

Ion	Ratio	Lower	Upper
75	100		
77	33.6	1.4	61.4
39	54.2	13.3	73.3

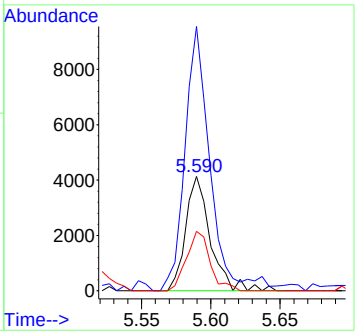


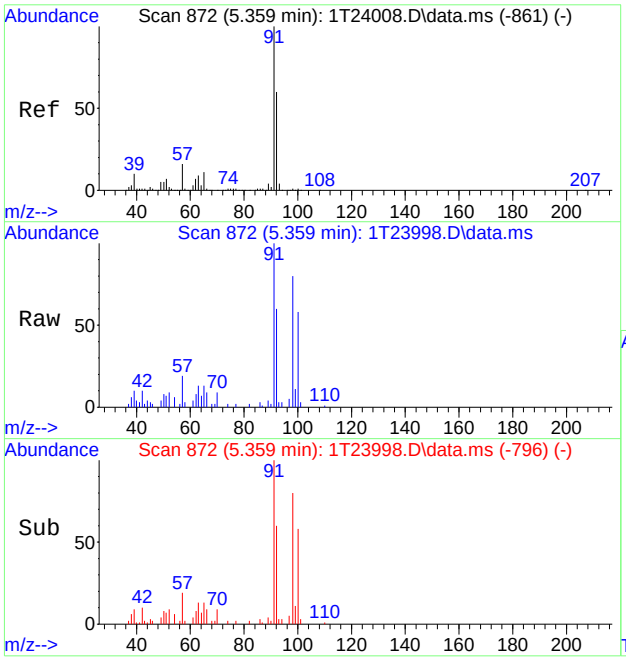


#70
4-methyl-2-pentanone
Concen: 4.33 ug/L
RT: 5.590 min Scan# 916
Delta R.T. 0.000 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion: 58 Resp: 5159

Ion	Ratio	Lower	Upper
58	100		
43	231.3	192.2	252.2
100	51.9	18.2	78.2

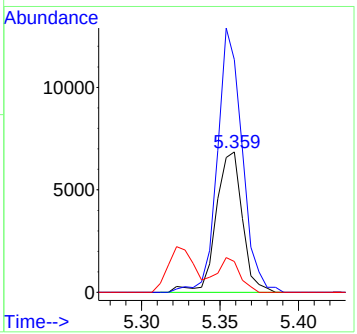


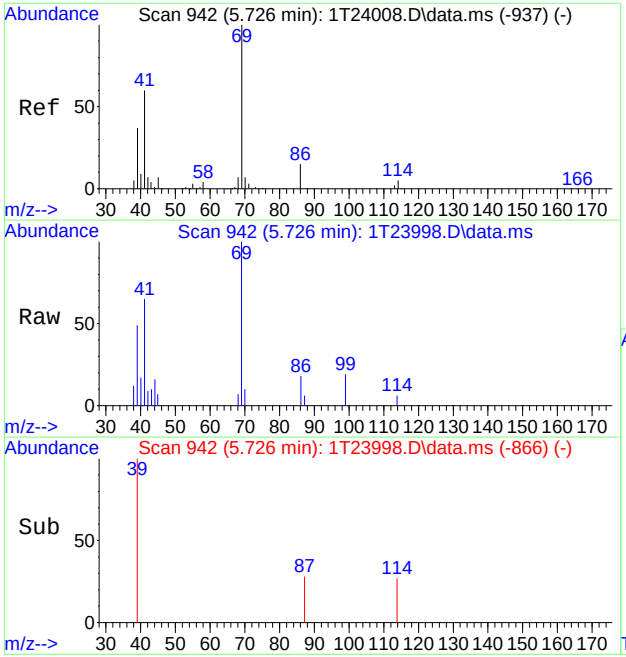


#74
toluene
Concen: 1.03 ug/L
RT: 5.359 min Scan# 872
Delta R.T. 0.000 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion: 92 Resp: 7979

Ion	Ratio	Lower	Upper
92	100		
91	165.7	147.9	187.9
65	22.1	0.0	38.0

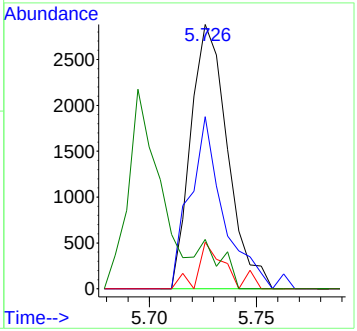


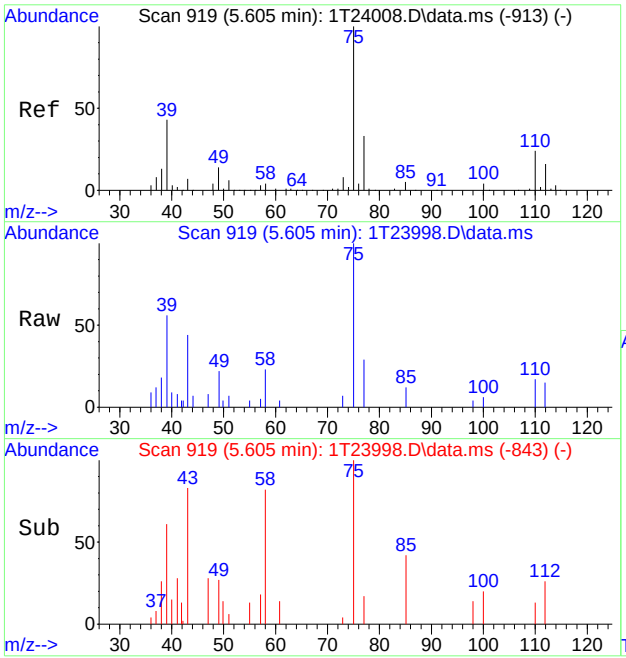


#75
ethyl methacrylate
Concen: 1.07 ug/L
RT: 5.726 min Scan# 942
Delta R.T. 0.000 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion: 69 Resp: 3444

Ion	Ratio	Lower	Upper
69	100		
41	65.1	40.2	80.2
86	17.7	0.0	35.4
99	18.7	0.0	39.8

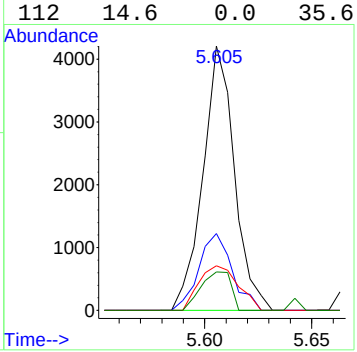


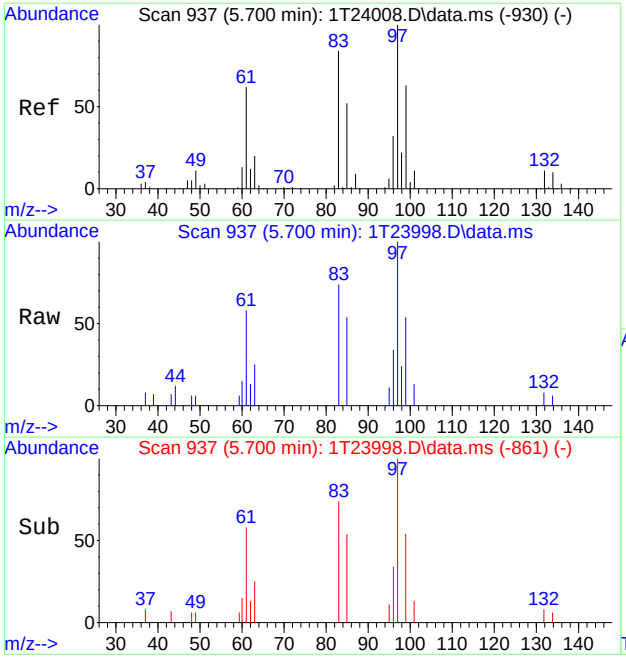


#76
trans-1,3-dichloropropene
Concen: 0.93 ug/L
RT: 5.605 min Scan# 919
Delta R.T. 0.000 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion: 75 Resp: 4315

Ion	Ratio	Lower	Upper
75	100		
77	29.0	12.7	52.7
110	16.9	4.1	44.1
112	14.6	0.0	35.6

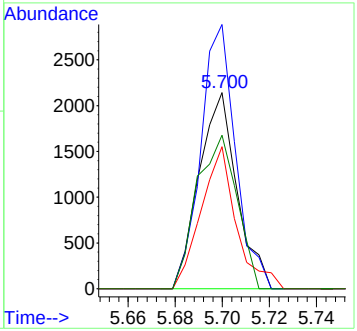


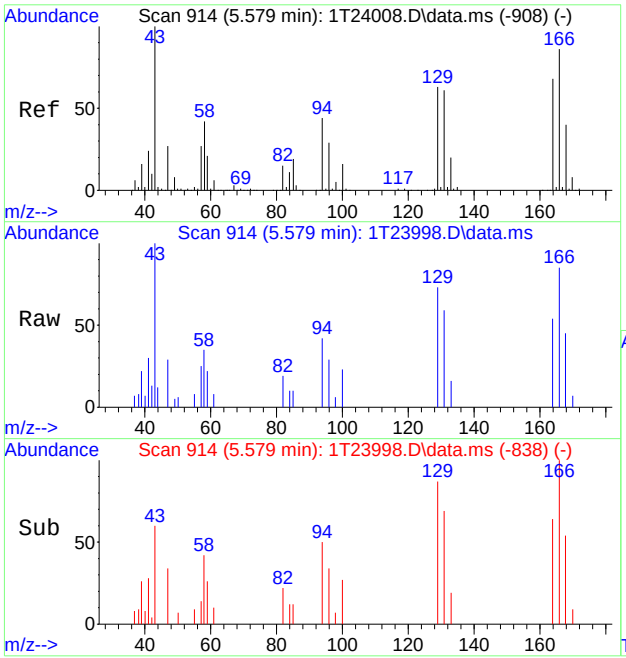


#77
1,1,2-trichloroethane
Concen: 1.09 ug/L
RT: 5.700 min Scan# 937
Delta R.T. 0.000 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion: 83 Resp: 2398

Ion	Ratio	Lower	Upper
83	100		
97	134.8	98.8	138.8
85	72.5	41.6	81.6
61	78.3	53.7	93.7

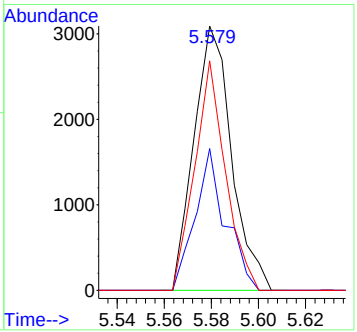


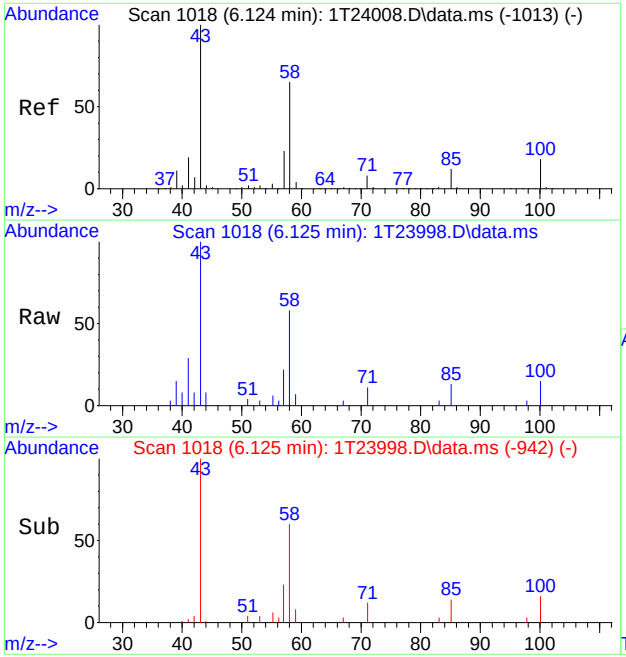


#78
tetrachloroethene
Concen: 1.09 ug/L
RT: 5.579 min Scan# 914
Delta R.T. 0.000 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion:166 Resp: 3440

Ion	Ratio	Lower	Upper
166	100		
168	53.6	16.8	76.8
129	86.8	43.9	103.9

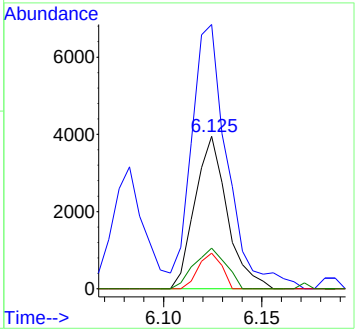


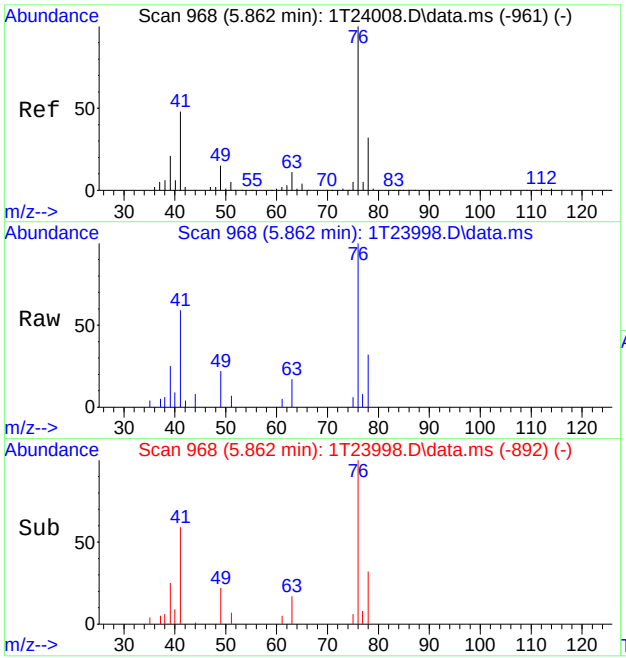


#79
2-hexanone
Concen: 3.89 ug/L
RT: 6.125 min Scan# 1018
Delta R.T. 0.000 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion: 58 Resp: 4533

Ion	Ratio	Lower	Upper
58	100		
43	166.6	139.1	179.1
85	23.4	0.0	38.1
100	26.7	7.8	47.8

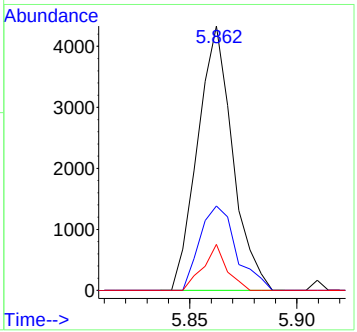


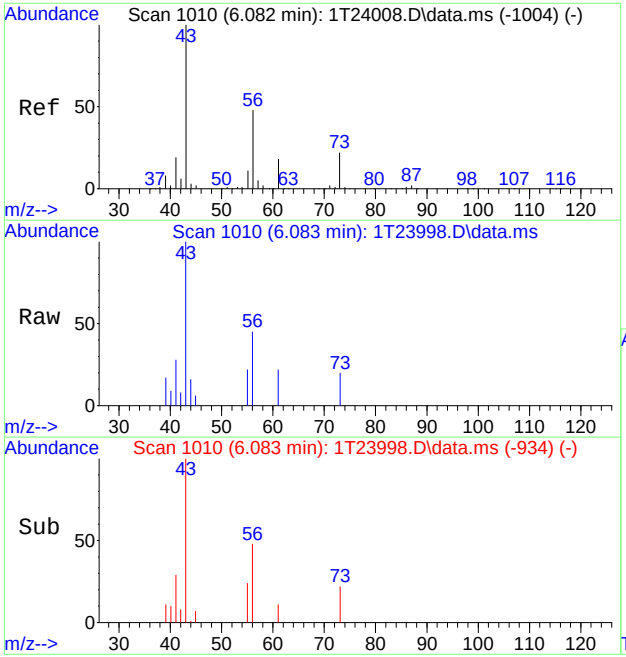


#80
1,3-dichloropropane
Concen: 1.08 ug/L
RT: 5.862 min Scan# 968
Delta R.T. 0.000 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion: 76 Resp: 4932

Ion	Ratio	Lower	Upper
76	100		
78	31.9	2.1	62.1
63	17.4	0.0	40.7

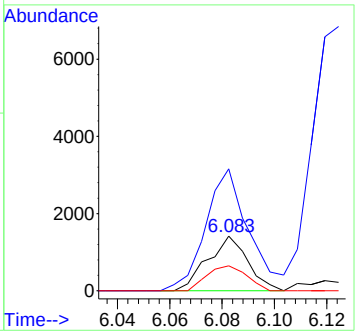


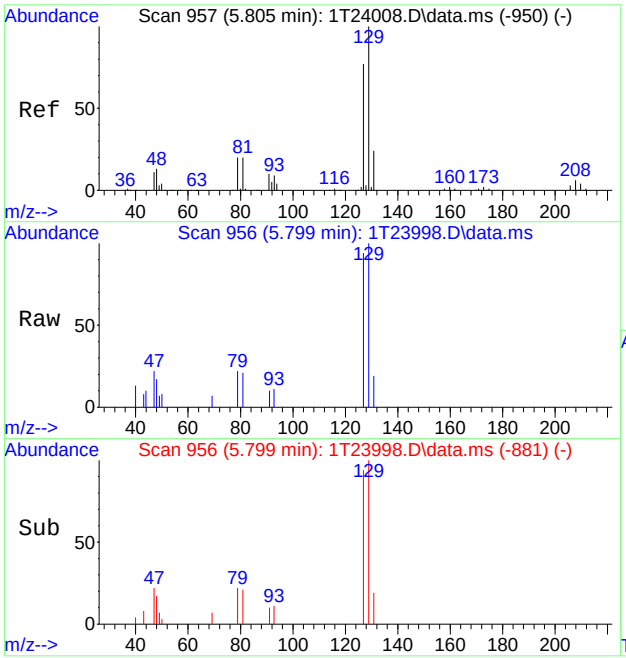


#81
butyl acetate
Concen: 0.85 ug/L
RT: 6.083 min Scan# 1010
Delta R.T. 0.000 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion: 56 Resp: 1514

Ion	Ratio	Lower	Upper
56	100		
43	222.5	177.8	237.8
73	45.5	16.2	76.2

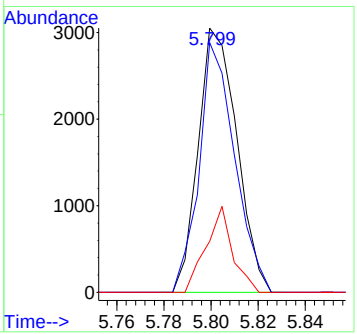


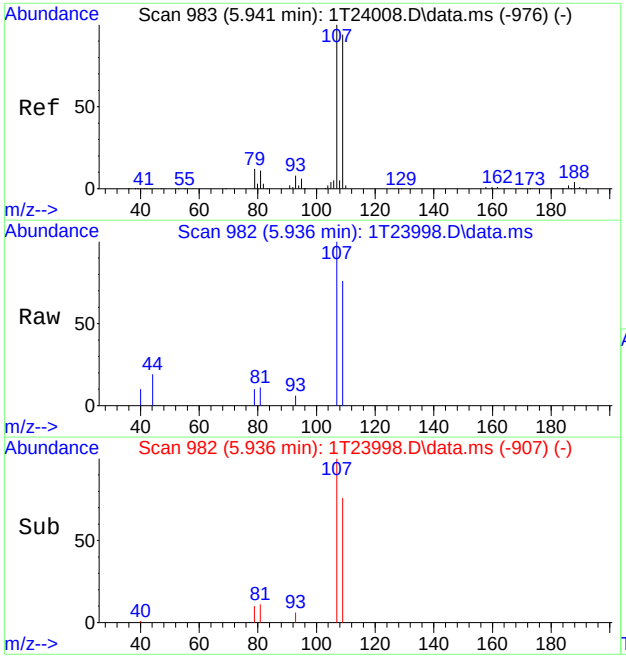


#82
dibromochloromethane
Concen: 1.03 ug/L
RT: 5.799 min Scan# 956
Delta R.T. -0.005 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion:129 Resp: 3480

Ion	Ratio	Lower	Upper
129	100		
127	94.4	47.5	107.5
131	19.3	0.0	54.1

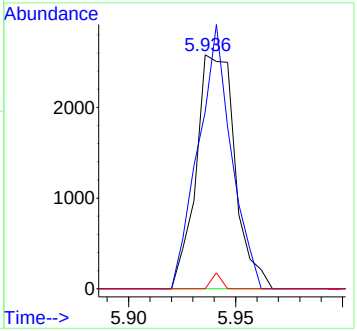


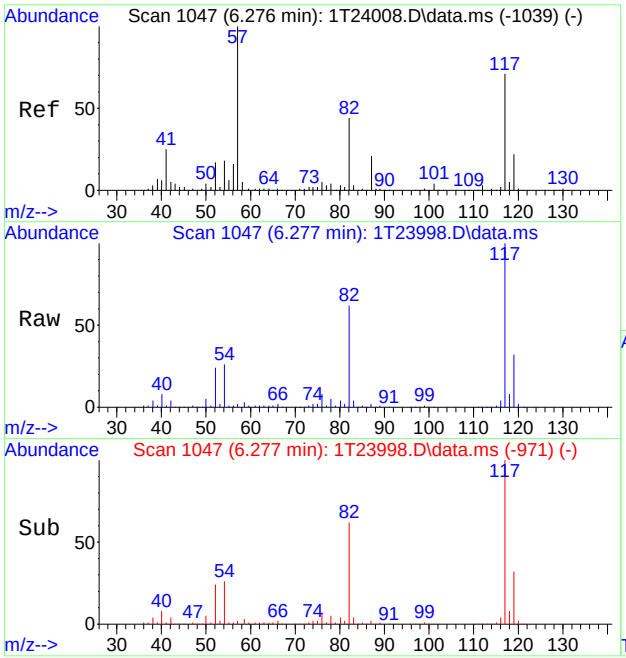


#83
1,2-dibromoethane
Concen: 1.16 ug/L
RT: 5.936 min Scan# 982
Delta R.T. -0.005 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion:107 Resp: 3256

Ion	Ratio	Lower	Upper
107	100		
109	75.6	64.0	124.0
188	0.0	0.0	33.9

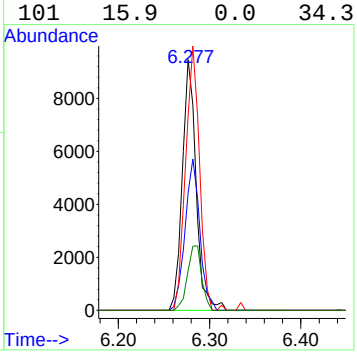


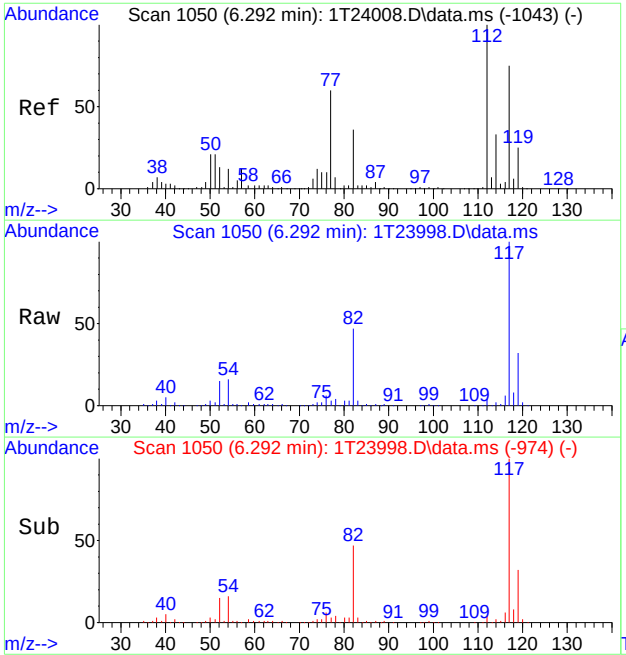


#84
n-butyl ether
Concen: 0.91 ug/L m
RT: 6.277 min Scan# 1047
Delta R.T. 0.000 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion: 57 Resp: 9916

Ion	Ratio	Lower	Upper
57	100		
56	46.9	0.0	46.4#
87	77.4	0.0	51.4#
101	15.9	0.0	34.3

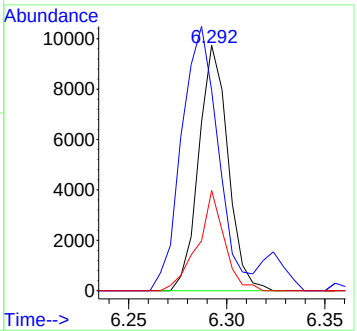


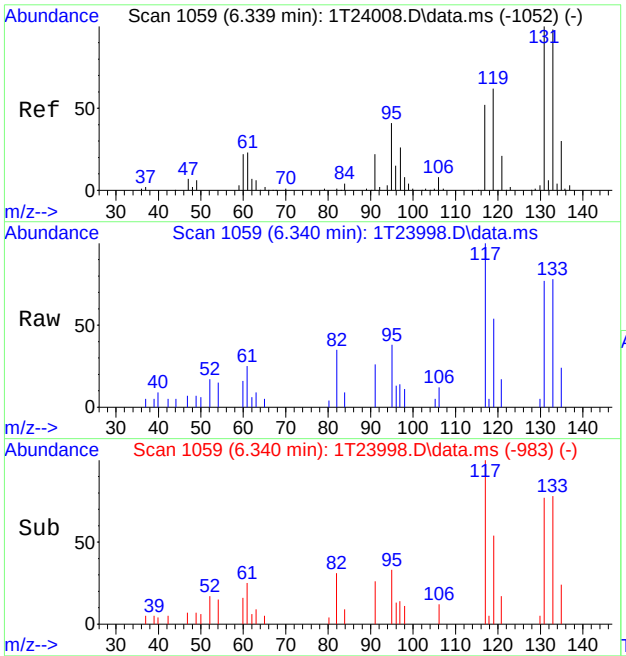


#85
chlorobenzene
Concen: 1.16 ug/L
RT: 6.292 min Scan# 1050
Delta R.T. 0.000 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion:112 Resp: 10103

Ion	Ratio	Lower	Upper
112	100		
77	74.4	29.6	89.6
114	40.9	3.1	63.1

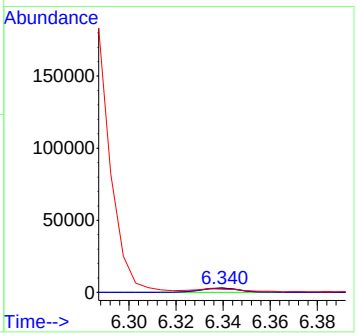


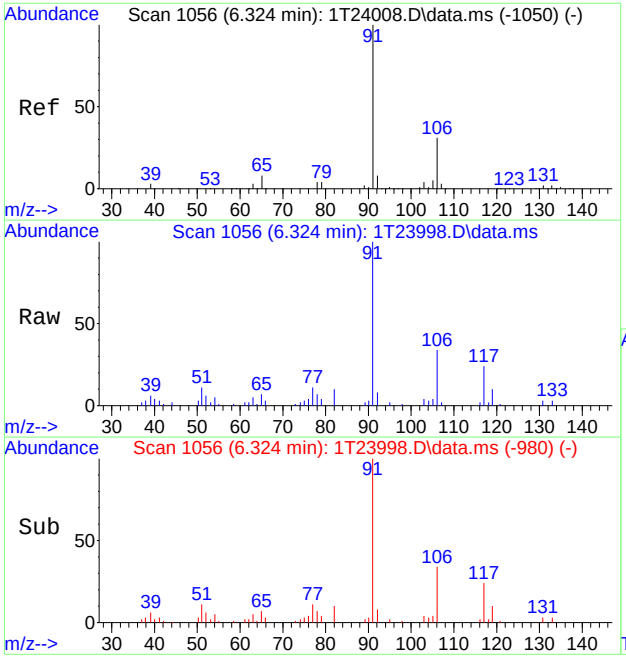


#86
1,1,1,2-tetrachloroethane
Concen: 1.17 ug/L
RT: 6.340 min Scan# 1059
Delta R.T. 0.000 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion:131 Resp: 3420

Ion	Ratio	Lower	Upper
131	100		
133	101.9	67.5	127.5
119	59.5	36.1	96.1

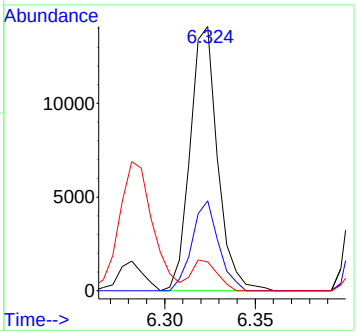


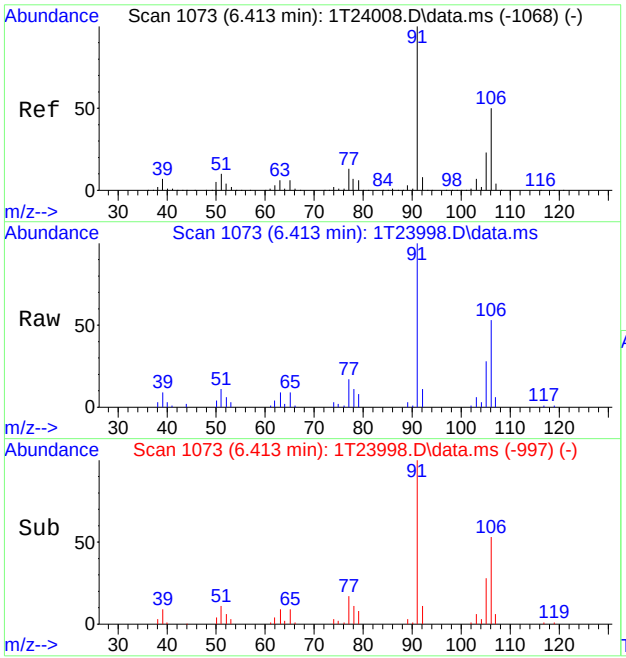


#87
ethylbenzene
Concen: 1.03 ug/L
RT: 6.324 min Scan# 1056
Delta R.T. 0.000 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion: 91 Resp: 14911

Ion	Ratio	Lower	Upper
91	100		
106	34.1	1.3	61.3
51	11.0	0.0	39.0

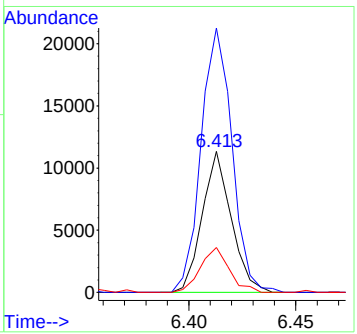


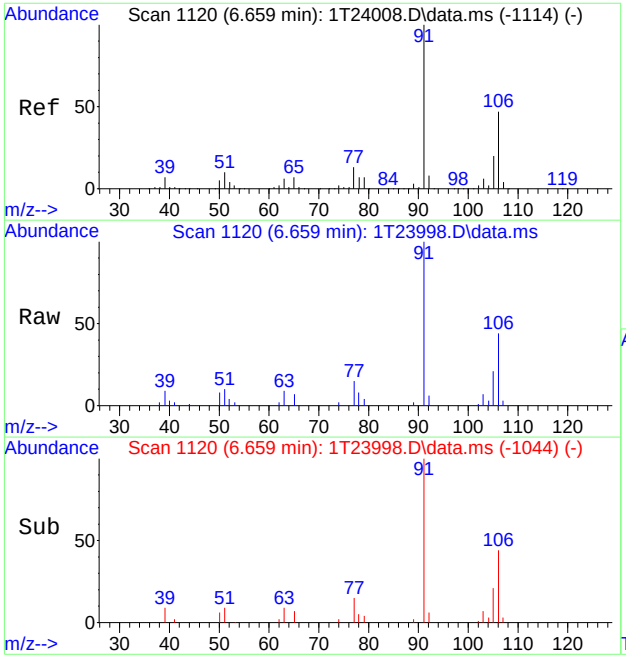


#88
m,p-xylene
Concen: 1.95 ug/L
RT: 6.413 min Scan# 1073
Delta R.T. 0.000 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion:106 Resp: 10717

Ion	Ratio	Lower	Upper
106	100		
91	187.5	169.8	229.8
77	31.8	6.7	46.7

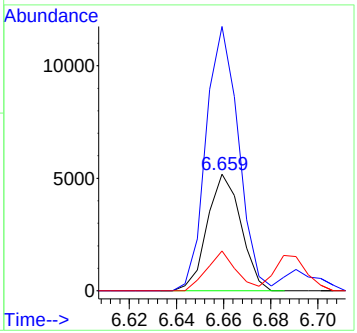


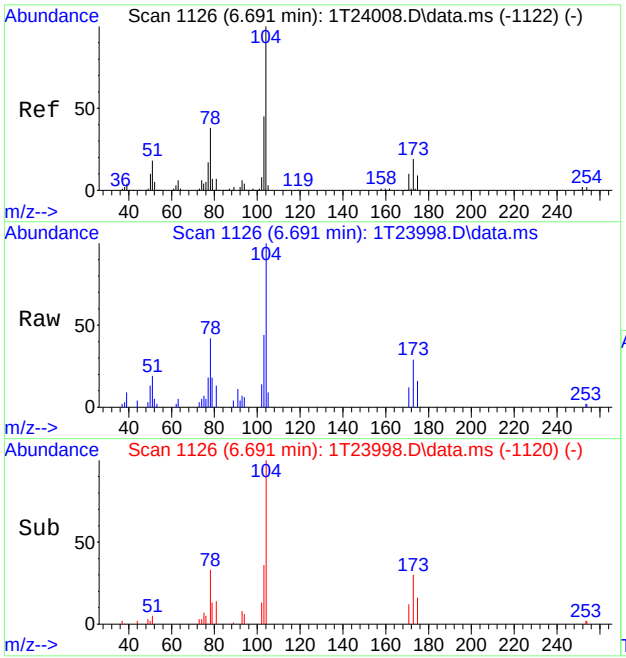


#89
o-xylene
Concen: 0.96 ug/L
RT: 6.659 min Scan# 1120
Delta R.T. 0.000 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion:106 Resp: 5170

Ion	Ratio	Lower	Upper
106	100		
91	226.8	181.7	241.7
77	34.3	6.5	46.5

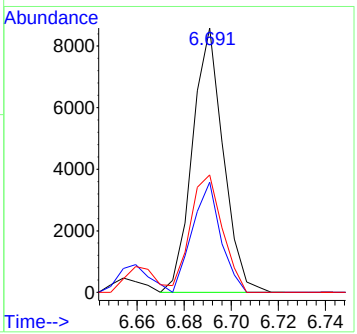


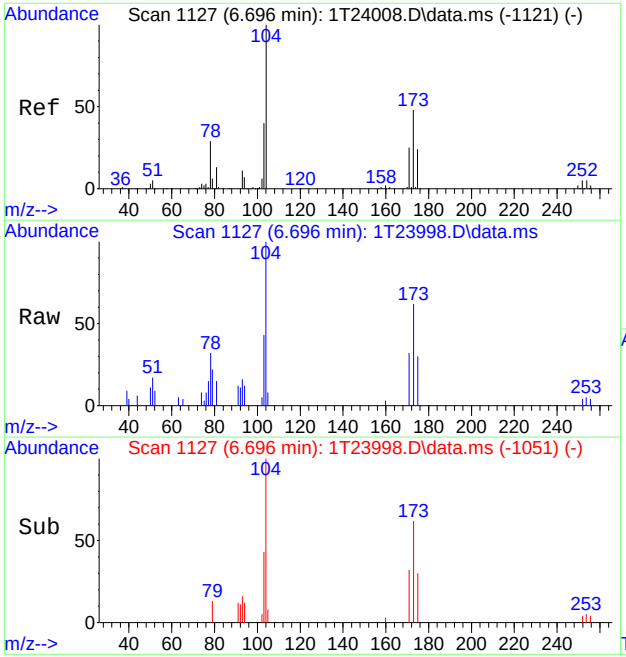


#90
styrene
Concen: 0.96 ug/L
RT: 6.691 min Scan# 1126
Delta R.T. 0.000 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion:104 Resp: 7831

Ion	Ratio	Lower	Upper
104	100		
78	41.7	9.6	69.6
103	44.4	16.5	76.5

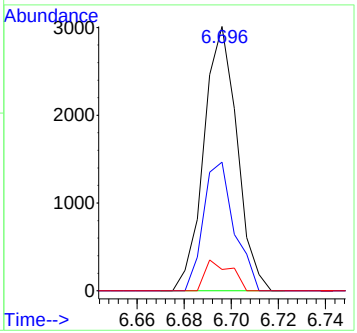


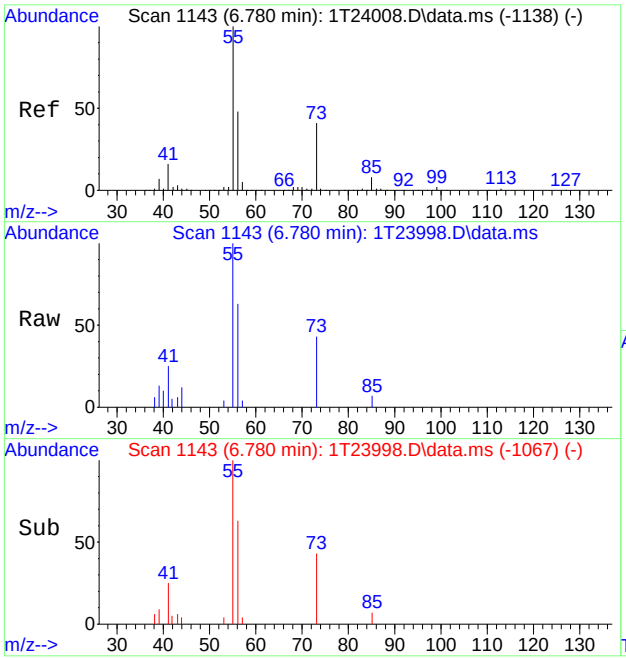


#91
bromoform
Concen: 1.14 ug/L
RT: 6.696 min Scan# 1127
Delta R.T. 0.000 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion:173 Resp: 2955

Ion	Ratio	Lower	Upper
173	100		
175	48.7	19.5	79.5
254	8.1	0.0	40.4

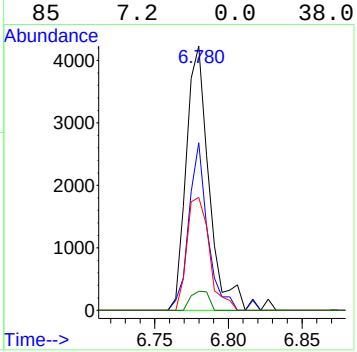


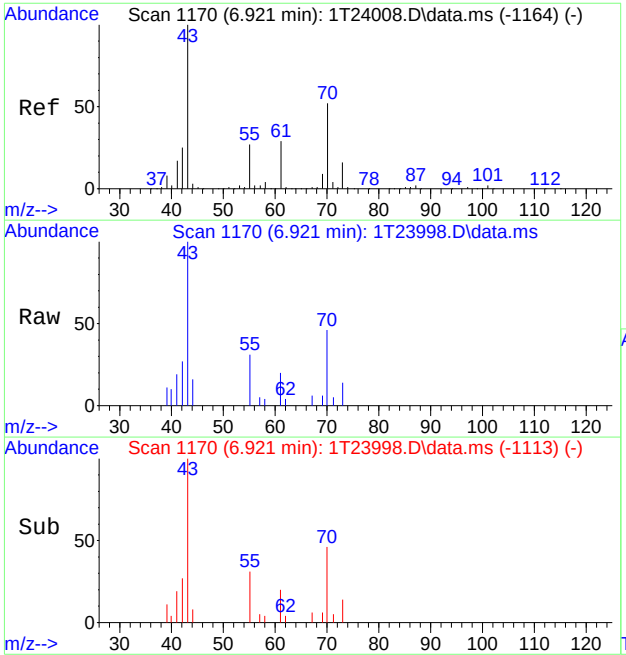


#92
butyl acrylate
Concen: 0.96 ug/L
RT: 6.780 min Scan# 1143
Delta R.T. 0.000 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion: 55 Resp: 4620

Ion	Ratio	Lower	Upper
55	100		
56	63.4	18.5	78.5
73	42.7	10.6	70.6
85	7.2	0.0	38.0

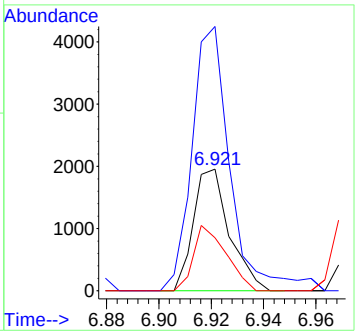


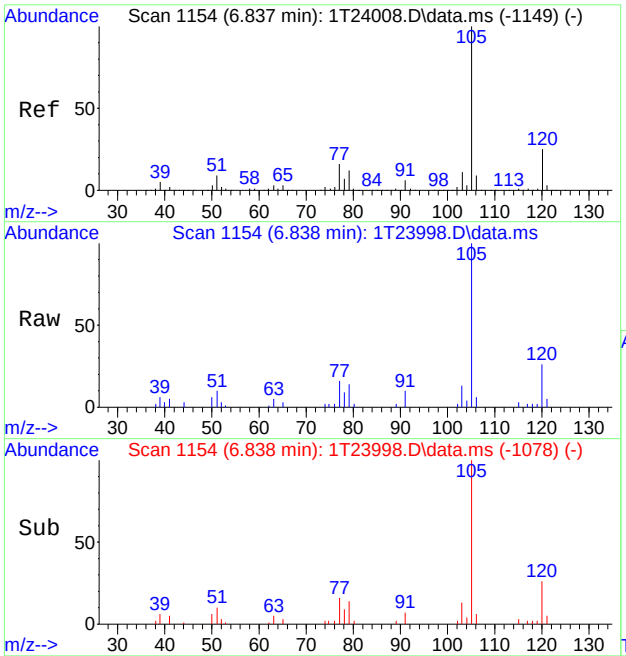


#93
n-amyl acetate
Concen: 0.83 ug/L
RT: 6.921 min Scan# 1170
Delta R.T. 0.000 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion: 70 Resp: 1880

Ion	Ratio	Lower	Upper
70	100		
43	217.6	171.9	211.9#
61	43.6	35.4	75.4

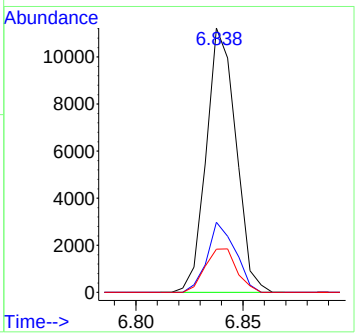


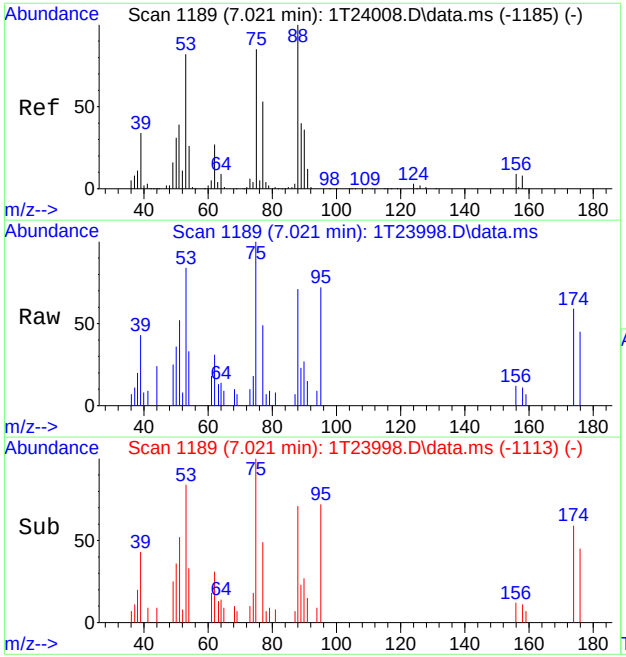


#94
isopropylbenzene
Concen: 0.79 ug/L
RT: 6.838 min Scan# 1154
Delta R.T. 0.000 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion:105 Resp: 10832

Ion	Ratio	Lower	Upper
105	100		
120	26.5	5.3	45.3
77	16.3	0.0	36.1

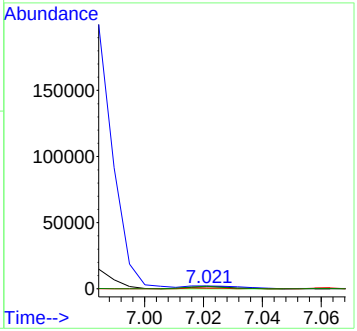


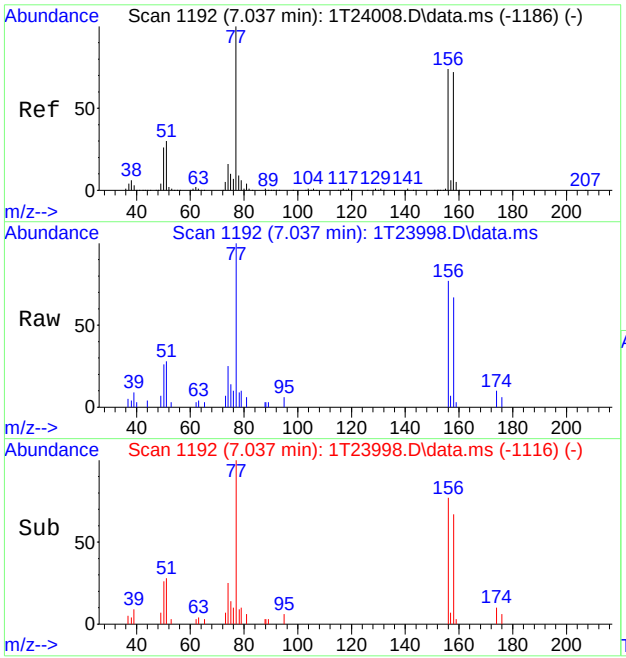


#95
cis-1,4-dichloro-2-butene
Concen: 1.04 ug/L
RT: 7.021 min Scan# 1189
Delta R.T. 0.000 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion: 88 Resp: 1671

Ion	Ratio	Lower	Upper
88	100		
75	131.1	67.1	107.1#
89	32.4	19.7	59.7
53	117.6	61.6	101.6#

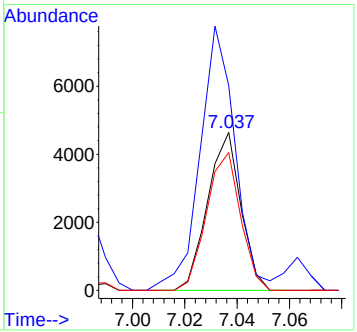


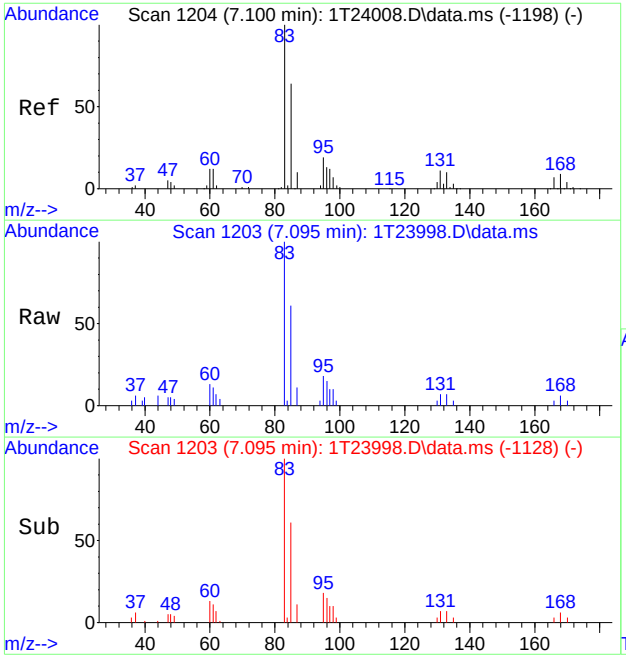


#98
bromobenzene
Concen: 1.11 ug/L
RT: 7.037 min Scan# 1192
Delta R.T. 0.000 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion:156 Resp: 4104

Ion	Ratio	Lower	Upper
156	100		
77	124.1	104.6	164.6
158	87.2	67.1	127.1

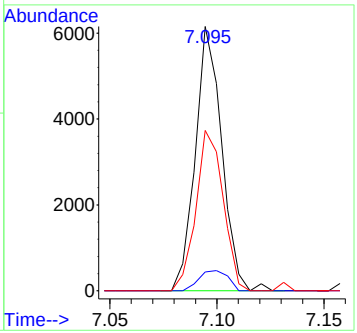


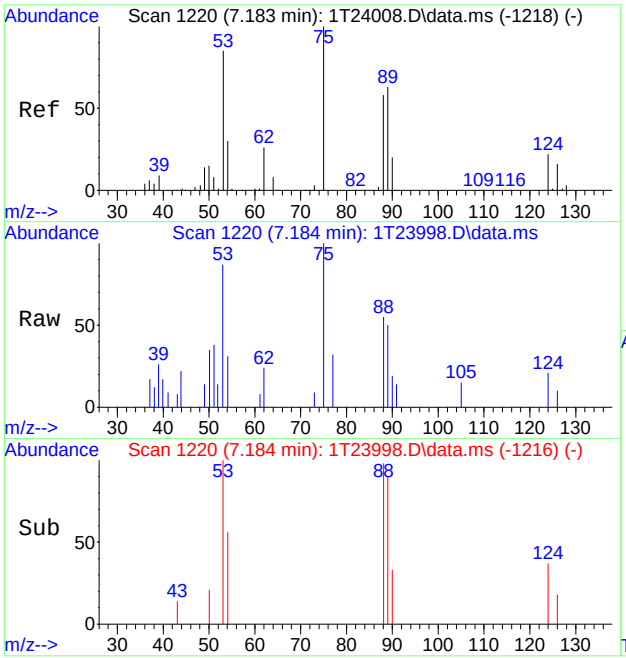


#99
1,1,2,2-tetrachloroethane
Concen: 1.19 ug/L
RT: 7.095 min Scan# 1203
Delta R.T. -0.005 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion: 83 Resp: 5290

Ion	Ratio	Lower	Upper
83	100		
131	7.2	0.0	40.9
85	60.6	34.4	94.4

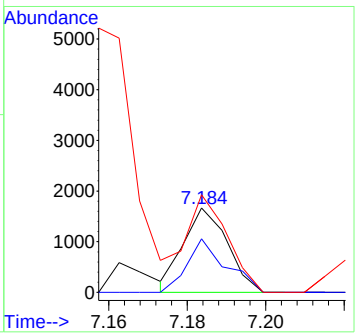


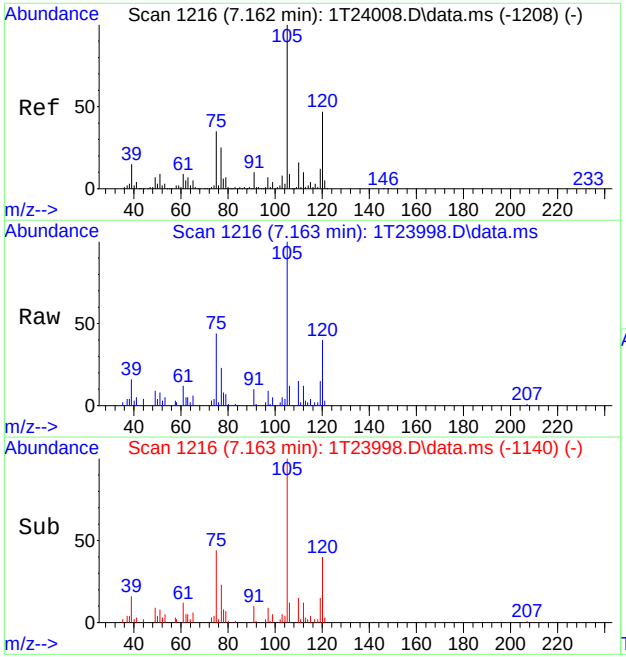


#100
trans-1,4-dichloro-2-butene
Concen: 1.18 ug/L
RT: 7.184 min Scan# 1220
Delta R.T. 0.000 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion: 53 Resp: 1291

Ion	Ratio	Lower	Upper
53	100		
88	63.6	29.6	89.6
75	115.6	97.1	157.1

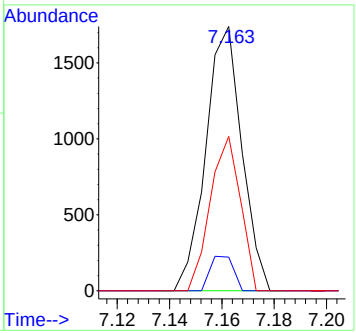


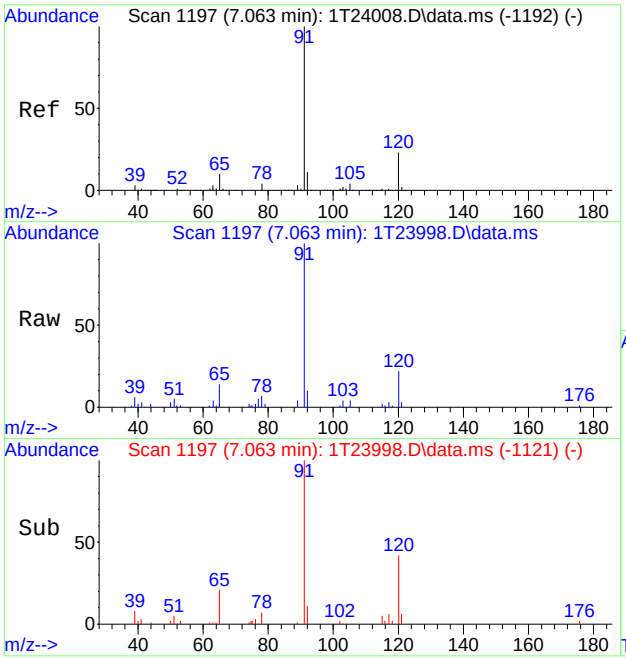


#101
1,2,3-trichloropropane
Concen: 1.00 ug/L
RT: 7.163 min Scan# 1216
Delta R.T. 0.000 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion:110 Resp: 1672

Ion	Ratio	Lower	Upper
110	100		
111	12.8	0.0	39.0
97	58.4	15.1	75.1

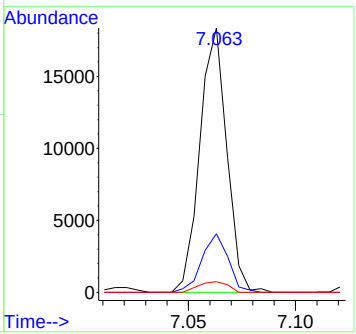


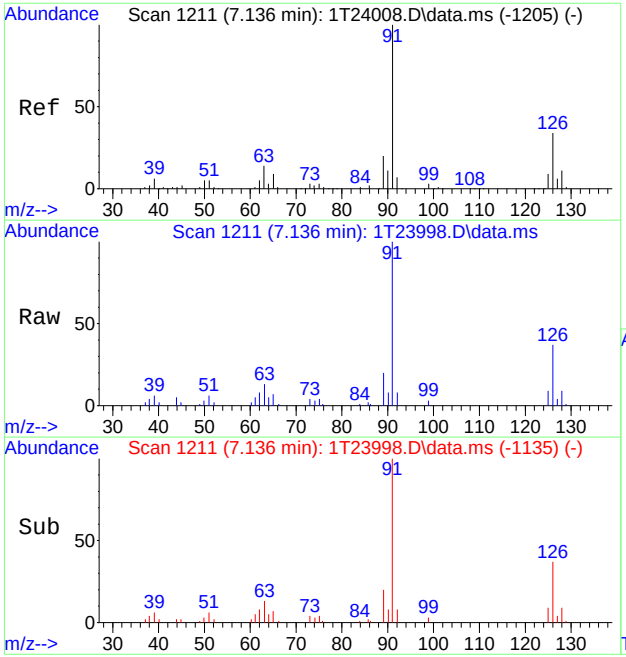


#102
n-propylbenzene
Concen: 0.99 ug/L
RT: 7.063 min Scan# 1197
Delta R.T. 0.000 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion: 91 Resp: 16065

Ion	Ratio	Lower	Upper
91	100		
120	22.1	0.0	53.1
105	4.1	0.0	33.9

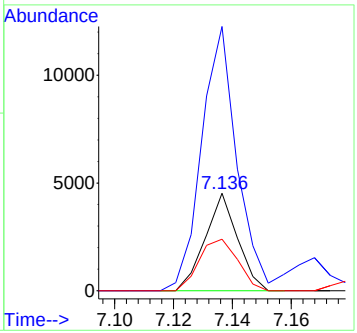


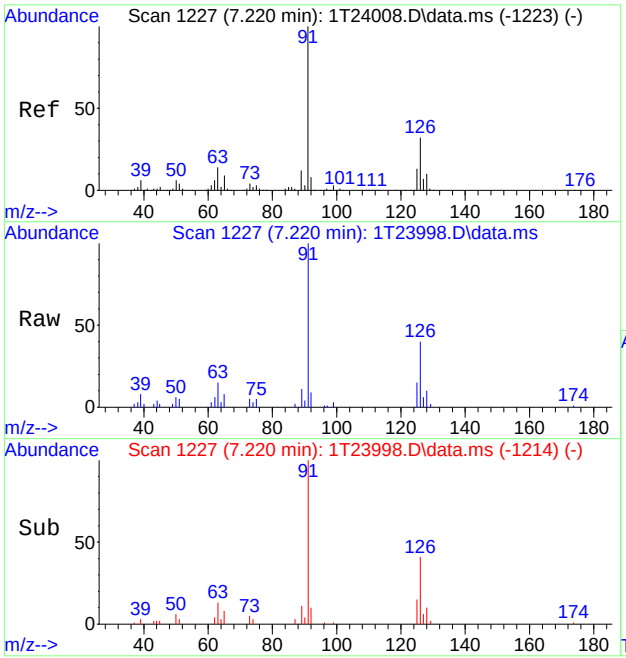


#103
2-chlorotoluene
Concen: 1.05 ug/L
RT: 7.136 min Scan# 1211
Delta R.T. 0.000 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion:126 Resp: 3479

Ion	Ratio	Lower	Upper
126	100		
91	271.2	263.0	323.0
89	52.9	27.6	87.6

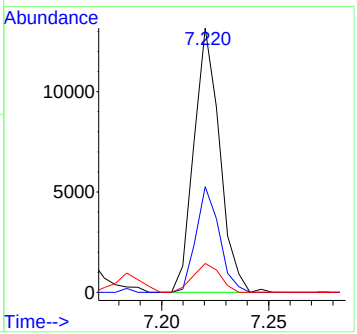


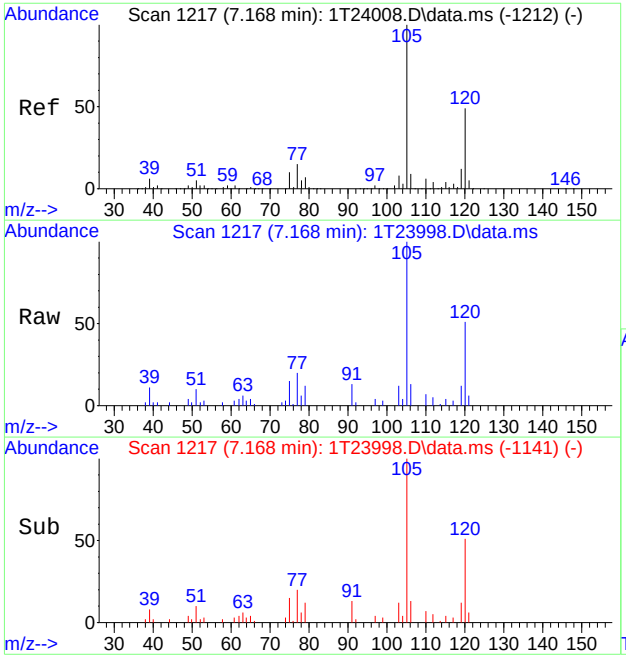


#104
4-chlorotoluene
Concen: 1.11 ug/L
RT: 7.220 min Scan# 1227
Delta R.T. 0.000 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion: 91 Resp: 11028

Ion	Ratio	Lower	Upper
91	100		
126	40.0	2.2	62.2
89	10.9	0.0	42.5

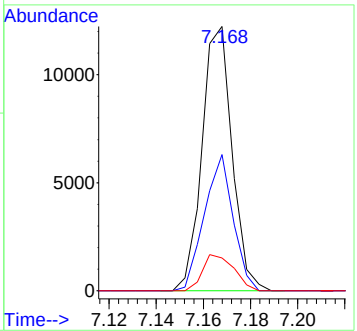


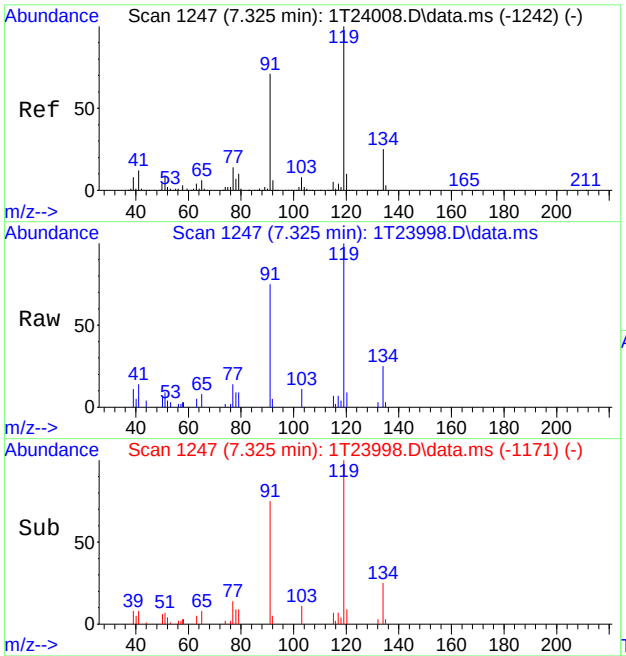


#105
1,3,5-trimethylbenzene
Concen: 1.00 ug/L
RT: 7.168 min Scan# 1217
Delta R.T. 0.000 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion:105 Resp: 10869

Ion	Ratio	Lower	Upper
105	100		
120	51.5	19.0	79.0
119	12.4	0.0	42.2

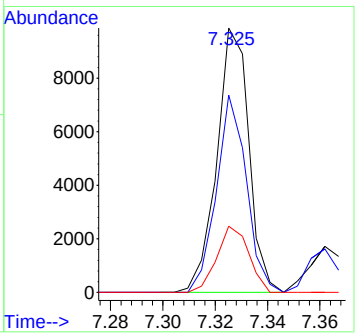


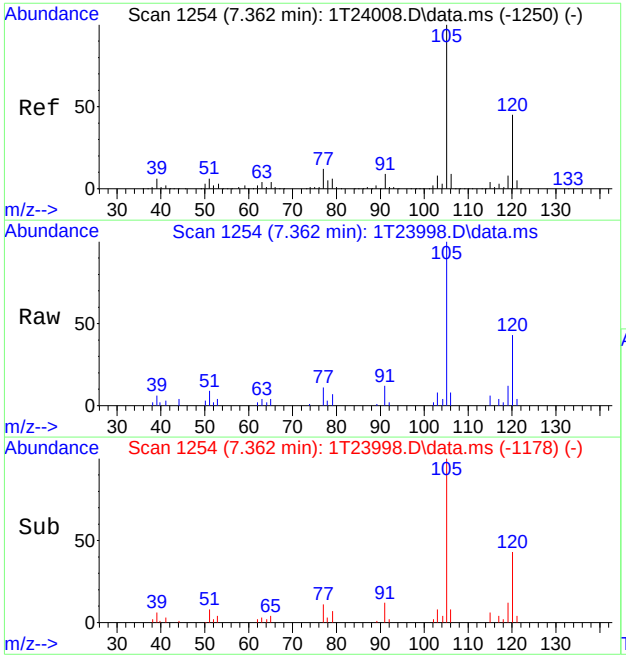


#106
tert-butylbenzene
Concen: 0.98 ug/L
RT: 7.325 min Scan# 1247
Delta R.T. 0.000 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion:119 Resp: 8401

Ion	Ratio	Lower	Upper
119	100		
91	74.6	40.9	100.9
134	25.0	0.0	54.5

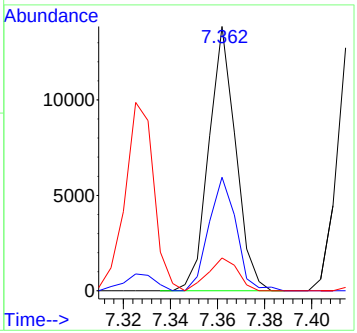


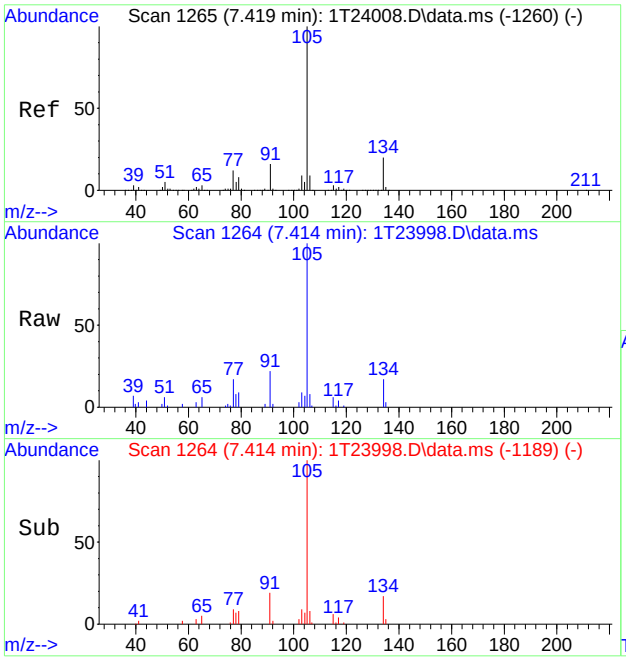


#107
1,2,4-trimethylbenzene
Concen: 1.02 ug/L
RT: 7.362 min Scan# 1254
Delta R.T. 0.000 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion:105 Resp: 10998

Ion	Ratio	Lower	Upper
105	100		
120	42.9	15.8	75.8
119	12.4	0.0	42.2

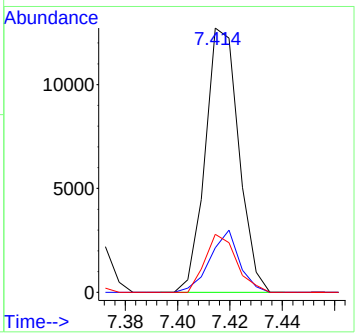


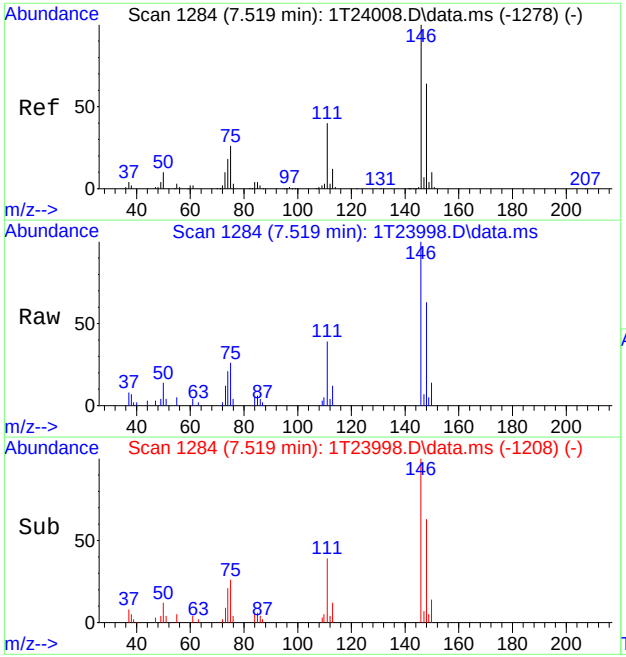


#108
sec-butylbenzene
Concen: 0.93 ug/L
RT: 7.414 min Scan# 1264
Delta R.T. -0.005 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion:105 Resp: 11344

Ion	Ratio	Lower	Upper
105	100		
134	16.9	0.0	50.4
91	21.9	0.0	45.8

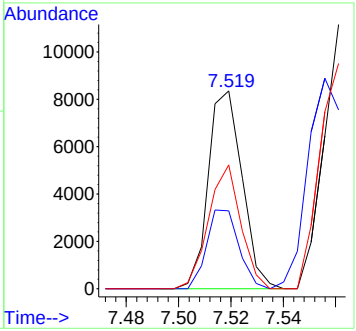


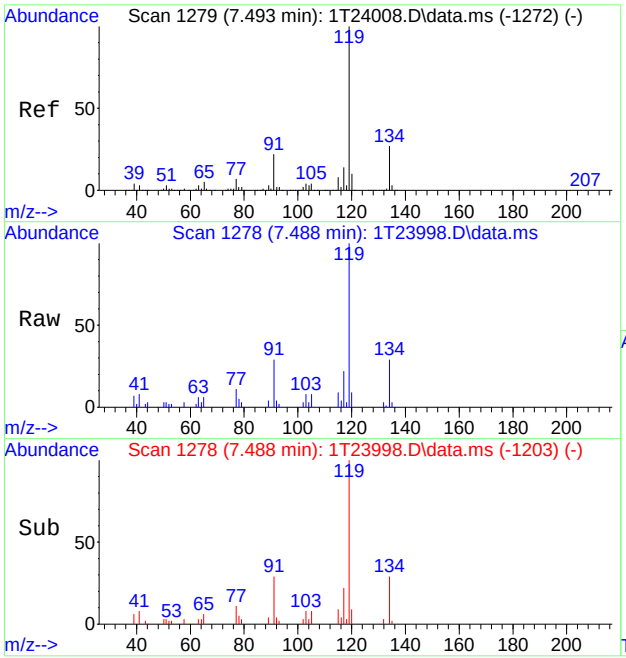


#109
1,3-dichlorobenzene
Concen: 1.14 ug/L
RT: 7.519 min Scan# 1284
Delta R.T. 0.000 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion:146 Resp: 7554

Ion	Ratio	Lower	Upper
146	100		
111	39.3	9.6	69.6
148	62.7	33.7	93.7

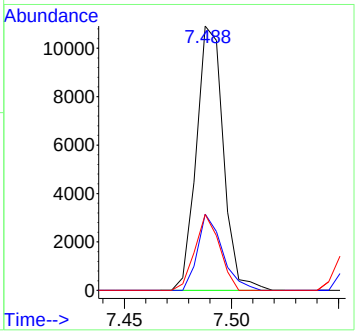


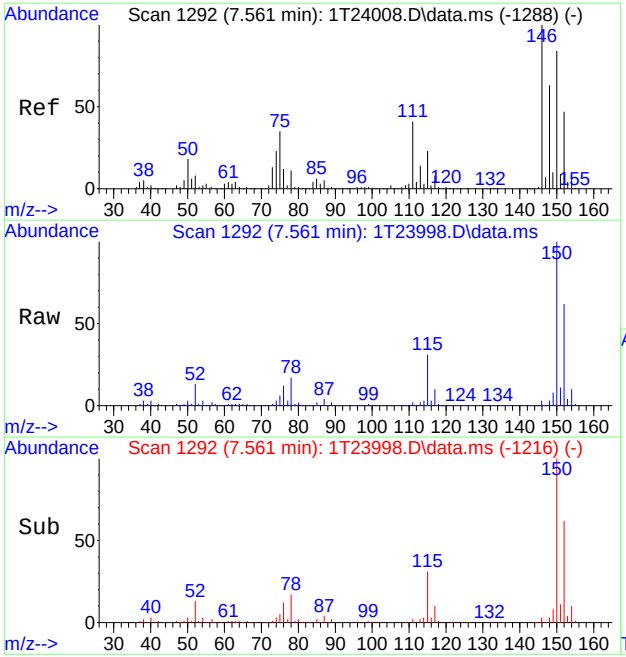


#110
p-isopropyltoluene
Concen: 0.91 ug/L
RT: 7.488 min Scan# 1278
Delta R.T. -0.005 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion:119 Resp: 9575

Ion	Ratio	Lower	Upper
119	100		
134	28.8	0.0	56.8
91	28.8	0.0	52.2

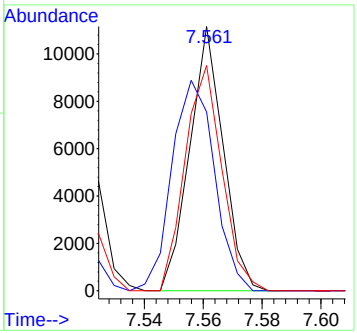


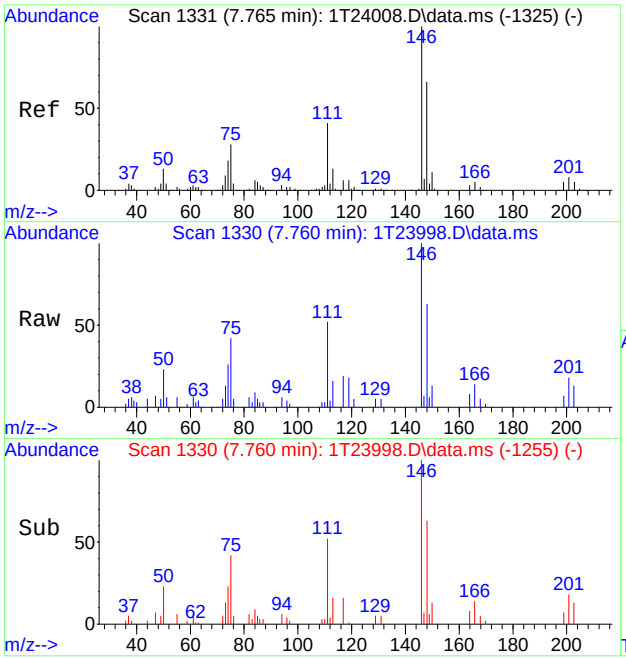


#111
1,4-dichlorobenzene
Concen: 1.28 ug/L
RT: 7.561 min Scan# 1292
Delta R.T. 0.000 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion:146 Resp: 8838

Ion	Ratio	Lower	Upper
146	100		
111	67.7	10.8	70.8
148	85.2	33.2	93.2

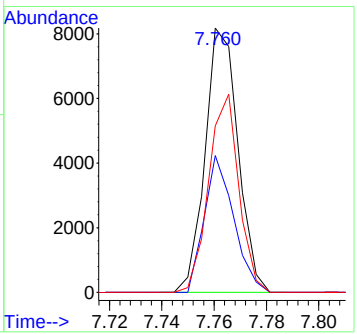


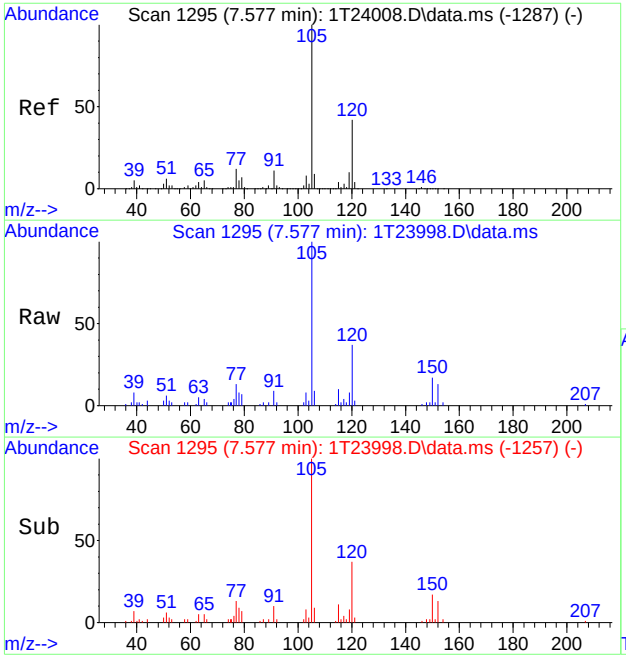


#112
1,2-dichlorobenzene
Concen: 1.09 ug/L
RT: 7.760 min Scan# 1330
Delta R.T. -0.005 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion:146 Resp: 7191

Ion	Ratio	Lower	Upper
146	100		
111	51.7	11.3	71.3
148	63.0	36.2	96.2

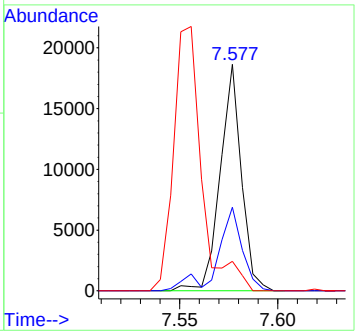


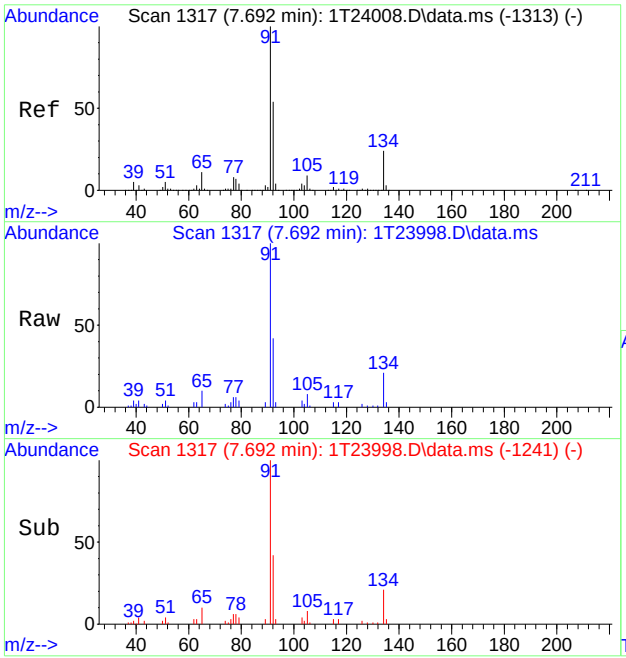


#113
1,2,3-trimethylbenzene
Concen: 1.13 ug/L
RT: 7.577 min Scan# 1295
Delta R.T. 0.000 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion:105 Resp: 14035

Ion	Ratio	Lower	Upper
105	100		
120	36.9	12.2	72.2
77	13.1	0.0	41.7

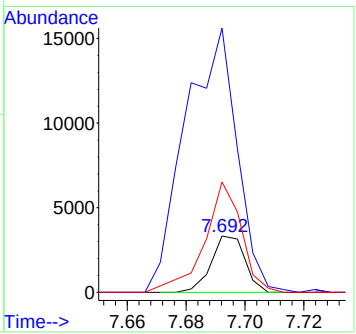


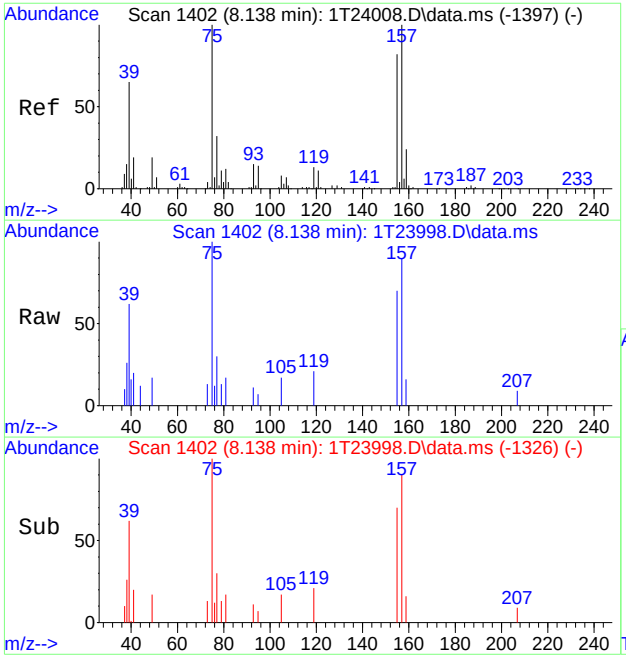


#114
n-butylbenzene
Concen: 1.03 ug/L
RT: 7.692 min Scan# 1317
Delta R.T. 0.000 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion:134 Resp: 2661

Ion	Ratio	Lower	Upper
134	100		
91	462.8	429.9	489.9
92	195.7	199.0	259.0#

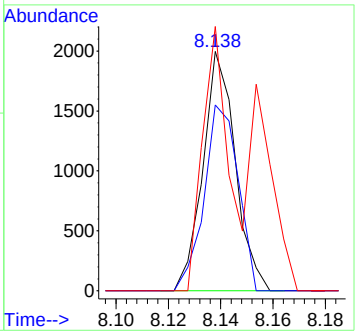


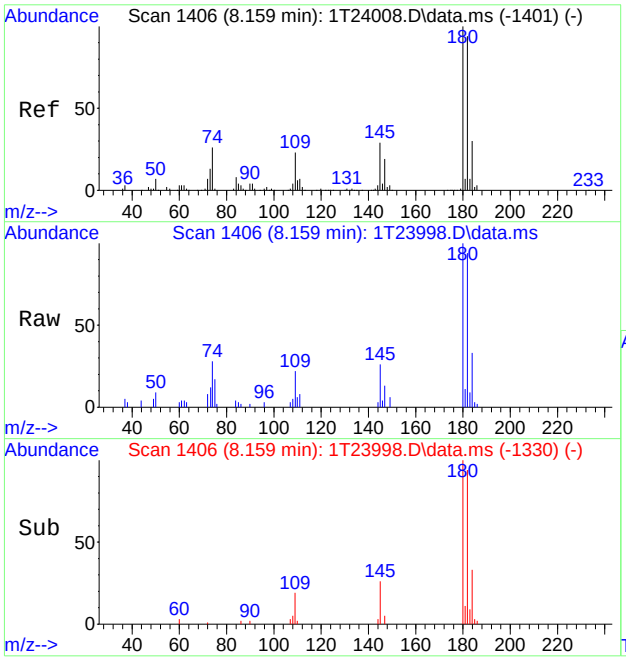


#115
1,2-dibromo-3-chloropropane
Concen: 1.32 ug/L
RT: 8.138 min Scan# 1402
Delta R.T. 0.000 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion:157 Resp: 1715

Ion	Ratio	Lower	Upper
157	100		
155	77.7	51.9	111.9
75	110.5	70.0	130.0

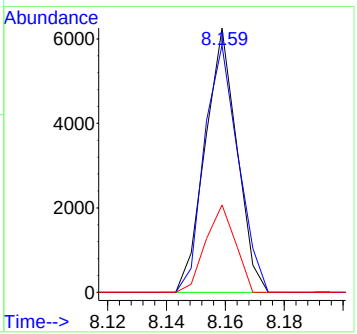




#116
1,3,5-trichlorobenzene
Concen: 1.09 ug/L
RT: 8.159 min Scan# 1406
Delta R.T. 0.000 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

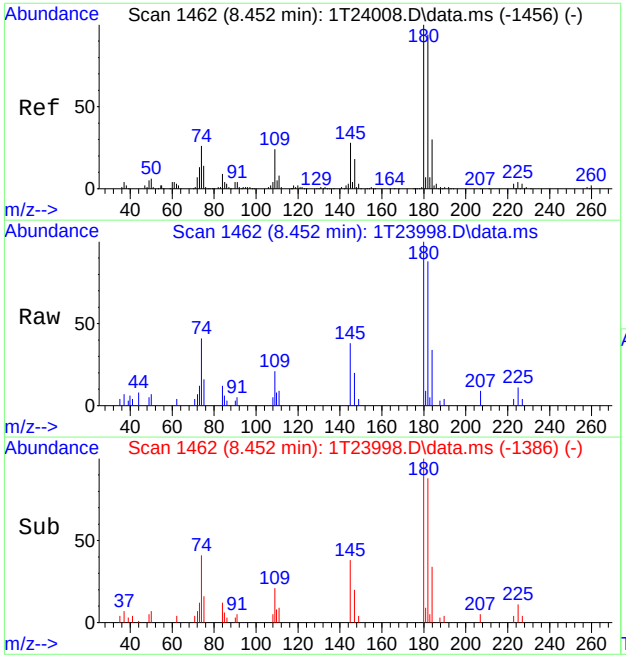
Tgt Ion:180 Resp: 4706

Ion	Ratio	Lower	Upper
180	100		
182	93.5	73.5	113.5
184	33.1	10.1	50.1



7.6.17

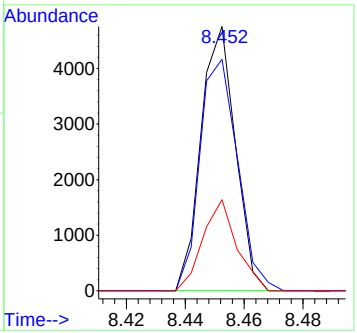
7

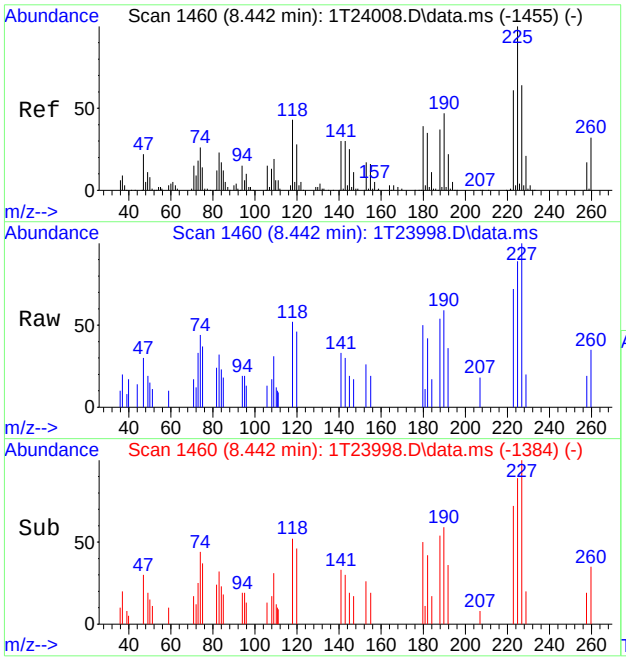


#117
1,2,4-trichlorobenzene
Concen: 1.01 ug/L
RT: 8.452 min Scan# 1462
Delta R.T. 0.000 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion:180 Resp: 3868

Ion	Ratio	Lower	Upper
180	100		
182	87.5	64.0	124.0
184	34.5	0.0	59.7

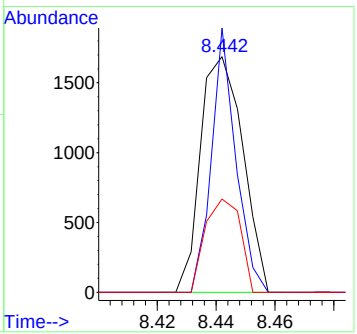


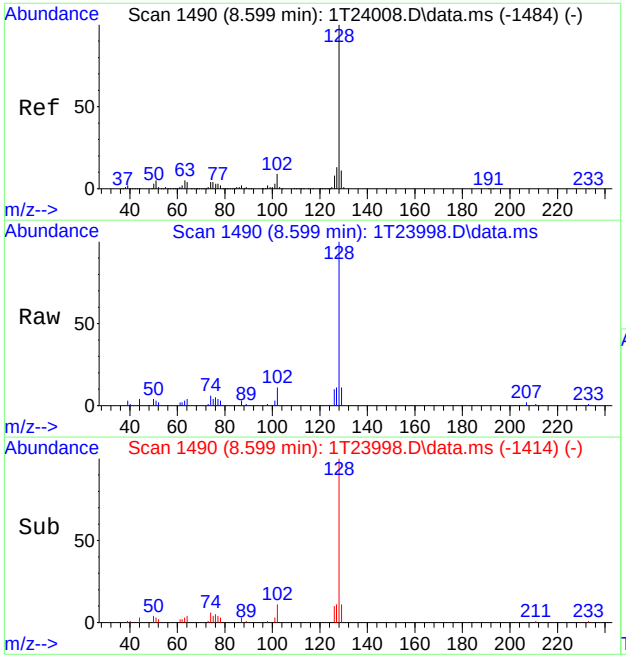


#118
hexachlorobutadiene
Concen: 1.06 ug/L
RT: 8.442 min Scan# 1460
Delta R.T. 0.000 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion:225 Resp: 1689

Ion	Ratio	Lower	Upper
225	100		
227	112.2	34.1	94.1#
260	39.6	1.5	61.5

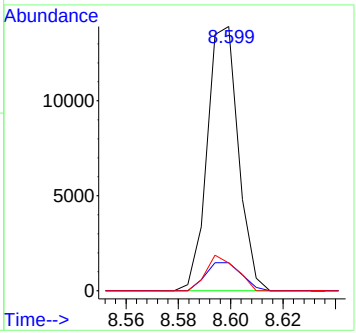


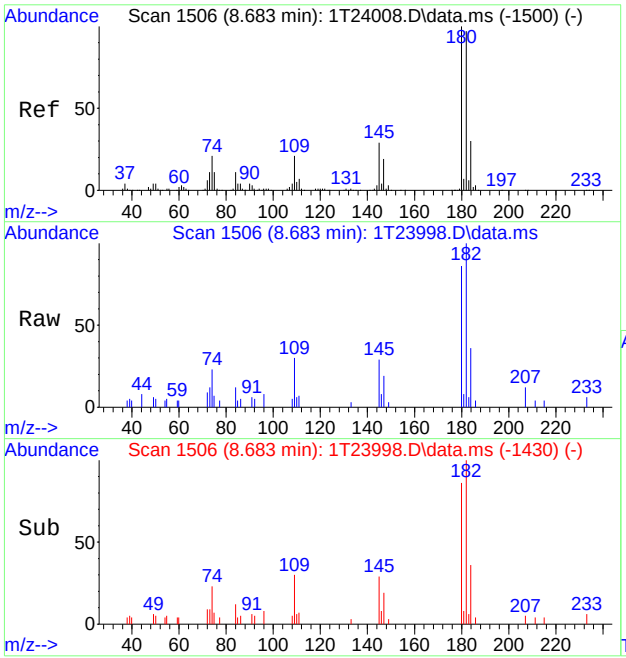


#119
naphthalene
Concen: 1.05 ug/L
RT: 8.599 min Scan# 1490
Delta R.T. 0.000 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion:128 Resp: 11496

Ion	Ratio	Lower	Upper
128	100		
129	10.6	0.0	40.7
127	10.5	0.0	43.4

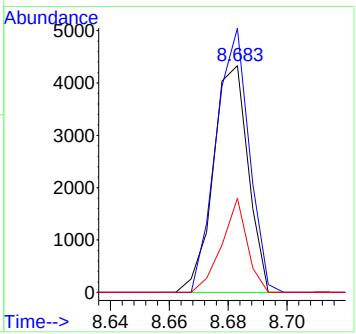


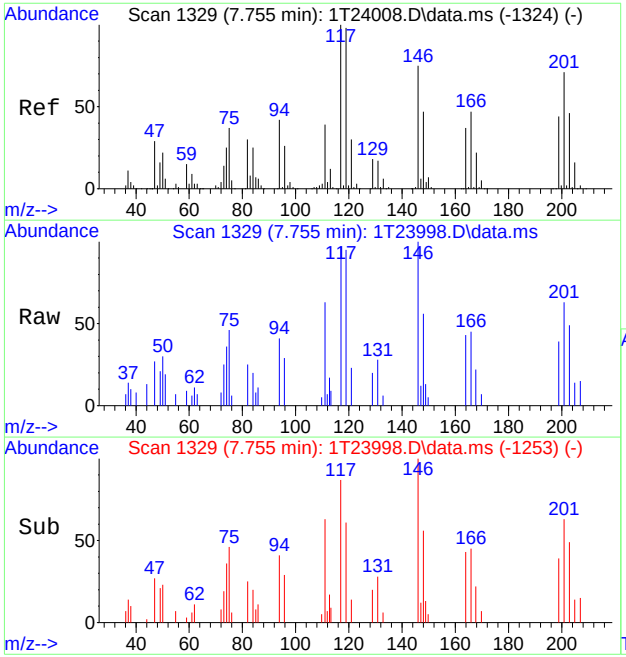


#120
1,2,3-trichlorobenzene
Concen: 1.01 ug/L
RT: 8.683 min Scan# 1506
Delta R.T. 0.000 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion:180 Resp: 3578

Ion	Ratio	Lower	Upper
180	100		
182	116.6	66.5	126.5
184	41.5	0.0	59.6

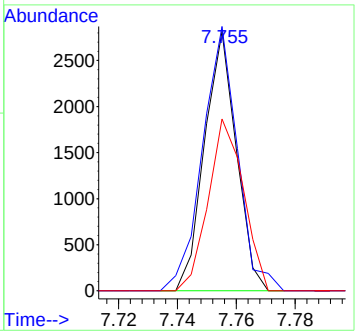


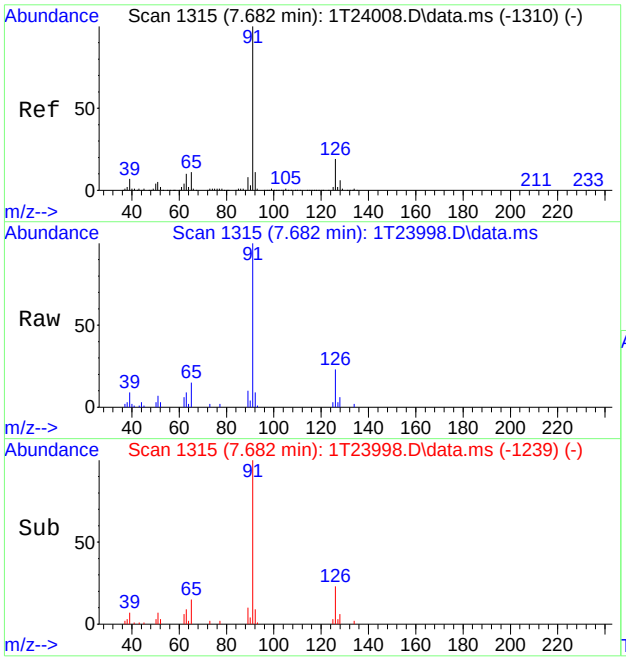


#121
hexachloroethane
Concen: 1.00 ug/L
RT: 7.755 min Scan# 1329
Delta R.T. 0.000 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion:119 Resp: 2110

Ion	Ratio	Lower	Upper
119	100		
117	102.0	71.7	131.7
201	66.3	42.0	102.0

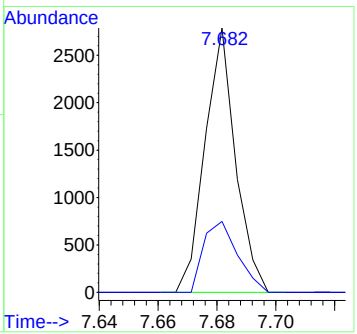




#122
benzyl chloride
Concen: 1.13 ug/L
RT: 7.682 min Scan# 1315
Delta R.T. 0.000 min
Lab File: 1T23998.D
Acq: 18 Sep 2025 11:03 am

Tgt Ion:126 Resp: 2014

Ion	Ratio	Lower	Upper
126	100		
128	26.9	1.7	61.7



Manual Integration Approval Summary

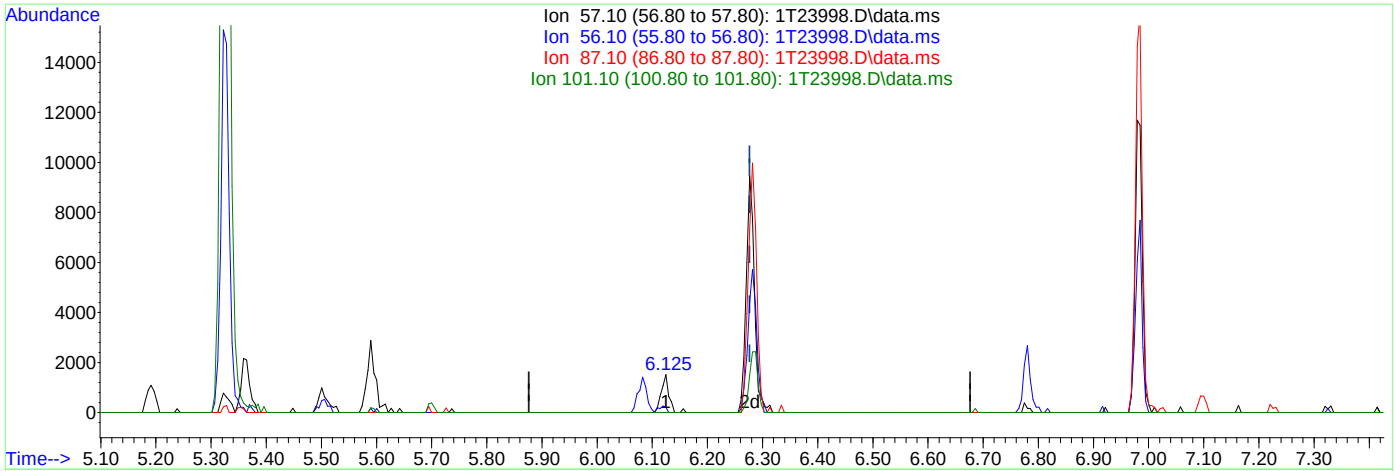
Sample Number:	V1T579-IC579	**Method:**	SW846 8260D
Lab FileID:	1T23998.D	**Analyst approved:**	09/19/25 12:39 MoHui Huang
Injection Time:	09/18/25 11:03	**Supervisor approved:**	09/19/25 18:04 Kanya Veerawat

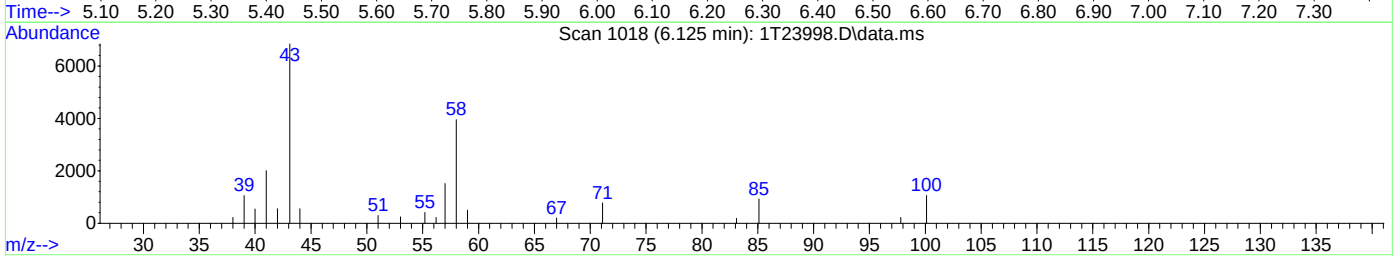
Parameter	CAS	Sig#	R.T. (min.)	Reason
n-Butyl Ether	142-96-1		6.28	Missed peak

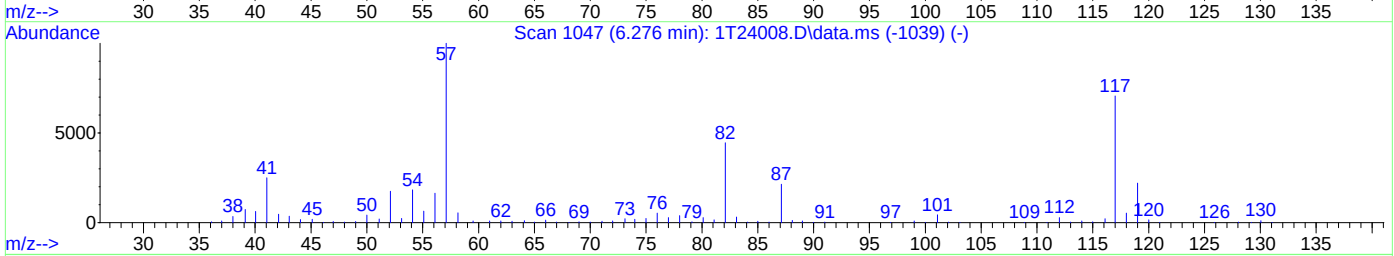
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\Initials\VT579\
Data File : 1T23998.D
Acq On : 18 Sep 2025 11:03 am
Operator : edwardd
Sample : ic579-1
Misc : MS96870,V1T0579,5,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 19 10:19:15 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 10:19:08 2025
Response via : Initial Calibration







TIC: 1T23998.D\data.ms

(84) n-butyl ether

6.125min (-0.152) 0.13ug/L

response 1416

Ion	Exp%	Act%
57.10	100	100
56.10	16.40	14.40
87.10	21.40	0.00
101.10	4.30	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 09/19/25 18:04

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VT579\
Data File : 1T24000.D
Acq On : 18 Sep 2025 11:30 am
Operator : edwardd
Sample : ic579-2
Misc : MS96870,V1T0579,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 19 11:58:00 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 10:19:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	1.993	65	243250	500.00	ug/L		0.00
5) pentafluorobenzene	3.729	168	524519	50.00	ug/L		0.00
50) 1,4-difluorobenzene	4.311	114	849550	50.00	ug/L		0.00
72) chlorobenzene-d5	6.282	117	736896	50.00	ug/L		0.00
96) 1,4-dichlorobenzene-d4	7.556	152	384237	50.00	ug/L		0.00
124) pentafluorobenzene(a)	3.729	168	524519	50.00	ug/L		0.00
132) 1,4-dichlorobenzene-d4(a)	7.556	152	384237	50.00	ug/L		0.00
System Monitoring Compounds							
42) dibromofluoromethane (s)	3.183	113	326395	52.23	ug/L		0.00
Spiked Amount 50.000	Range 75 - 127		Recovery = 104.46%				
51) 1,2-dichloroethane-d4 (s)	3.739	65	328521	51.88	ug/L		0.00
Spiked Amount 50.000	Range 75 - 130		Recovery = 103.76%				
73) toluene-d8 (s)	5.328	98	1022674	50.83	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.66%				
97) 4-bromofluorobenzene (s)	6.985	95	352327	50.56	ug/L		0.00
Spiked Amount 50.000	Range 79 - 127		Recovery = 101.12%				
Target Compounds							Qvalue
2) ethanol	1.469	45	11483m	159.9613	ug/L		
3) tertiary butyl alcohol	2.035	59	4443	8.5823	ug/L		84
4) 1,4-dioxane	4.929	88	1406	43.2296	ug/L	#	74
6) chlorodifluoromethane	0.897	51	8464	1.9755	ug/L		98
7) dichlorodifluoromethane	0.882	85	9615	2.0307	ug/L		97
8) chloromethane	0.976	50	5425	1.8053	ug/L		92
9) vinyl chloride	1.007	62	7187	1.8702	ug/L		94
10) 1,3-butadiene	1.007	39	5355	1.8496	ug/L		90
11) bromomethane	1.149	96	3821	1.6045	ug/L	#	91
12) chloroethane	1.207	64	7201	1.8711	ug/L		99
13) trichlorofluoromethane	1.270	101	16693	1.8786	ug/L		94
14) ethyl ether	1.406	74	3286	1.5431	ug/L		95
15) acrolein	1.679	56	1403	1.6317	ug/L		71
16) freon 113	1.532	151	5285	1.9153	ug/L		91
17) 1,1-dichloroethene	1.511	61	10596	1.8067	ug/L		97
18) acetone	1.841	58	3746	7.0513	ug/L	#	82
19) acetonitrile	2.129	41	9951	22.4721	ug/L		96
20) iodomethane	1.589	142	833	0.3660	ug/L		74
21) carbon disulfide	1.532	76	22210	1.9313	ug/L		100
22) methylene chloride	1.820	84	7427	1.7171	ug/L		93
23) methyl acetate	1.915	74	1324	1.5885	ug/L		86
24) methyl tert butyl ether	1.983	73	10266	1.4306	ug/L		98
25) trans-1,2-dichloroethene	1.915	96	6747	1.7345	ug/L		96
26) hexane	1.967	57	7899	1.6110	ug/L		84
27) di-isopropyl ether	2.245	45	10550	1.6642	ug/L		97
28) ethyl tert-butyl ether	2.517	59	10612	1.4192	ug/L		94
29) 2-butanone	3.314	72	2038	4.0610	ug/L		85
30) 1,1-dichloroethane	2.323	63	10972	1.8727	ug/L		90
32) acrylonitrile	2.344	52	2321	1.9628	ug/L		84
35) 2,2-dichloropropane	2.843	77	7865	1.7048	ug/L		89
36) cis-1,2-dichloroethene	2.748	96	6297	1.8154	ug/L		93
37) propionitrile	3.608	54	10196	15.5265	ug/L		95
39) bromochloromethane	2.926	128	3454	1.9439	ug/L		82
41) chloroform	3.005	47	2959	1.6373	ug/L		87
44) 1,1,1-trichloroethane	3.199	97	8743	1.6713	ug/L		98
45) cyclohexane	2.937	84	5707	1.2183	ug/L		85
46) 1,1-dichloropropene	3.330	75	5281	1.4165	ug/L		95
47) carbon tetrachloride	3.136	117	7833	1.6958	ug/L	#	77

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VT579\
Data File : 1T24000.D
Acq On : 18 Sep 2025 11:30 am
Operator : edwardd
Sample : ic579-2
Misc : MS96870,V1T0579,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 19 11:58:00 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 10:19:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49) tert-amyl alcohol	4.054	55	1608	8.5805	ug/L	#	52
52) iso-octane	3.472	57	9721	1.5595	ug/L	#	77
53) benzene	3.592	78	18253	1.6475	ug/L		96
54) tert-amyl methyl ether	3.765	73	11495	1.4983	ug/L		87
55) heptane	3.603	57	2014	1.5974	ug/L	#	56
57) 1,2-dichloroethane	3.813	62	8605	1.6541	ug/L		87
59) ethyl acrylate	4.777	55	5232	1.4306	ug/L		95
60) trichloroethene	4.269	130	4708	1.5983	ug/L		80
62) 2-chloroethyl vinyl ether	5.191	63	12097	7.2329	ug/L		95
63) methyl methacrylate	4.924	100	1472	1.8083	ug/L		96
64) 1,2-dichloropropane	4.709	63	4386	1.4796	ug/L		88
65) methylcyclohexane	4.258	98	3101	1.3026	ug/L	#	76
66) dibromomethane	4.625	93	4311	1.6208	ug/L		90
67) bromodichloromethane	4.772	83	7452	1.5838	ug/L		87
68) epichlorohydrin	5.364	57	3207	6.8383	ug/L		86
69) cis-1,3-dichloropropene	5.207	75	6276	1.5014	ug/L		86
70) 4-methyl-2-pentanone	5.590	58	7585	5.9176	ug/L		98
71) 3-methyl-1-butanol	5.506	70	4071	35.8769	ug/L		80
74) toluene	5.359	92	14235	1.7541	ug/L		97
75) ethyl methacrylate	5.726	69	5178	1.5205	ug/L		90
76) trans-1,3-dichloropropene	5.606	75	6311	1.3319	ug/L		97
77) 1,1,2-trichloroethane	5.695	83	3823	1.6260	ug/L	#	82
78) tetrachloroethene	5.579	166	5539	1.6396	ug/L		91
79) 2-hexanone	6.125	58	7142	5.9710	ug/L		88
80) 1,3-dichloropropane	5.863	76	7712	1.6003	ug/L		96
81) butyl acetate	6.083	56	2498	1.4607	ug/L	#	79
82) dibromochloromethane	5.805	129	6320	1.7838	ug/L		94
83) 1,2-dibromoethane	5.941	107	5383	1.7524	ug/L		95
84) n-butyl ether	6.277	57	15434	1.4298	ug/L	#	39
85) chlorobenzene	6.293	112	16765	1.7586	ug/L		91
86) 1,1,1,2-tetrachloroethane	6.340	131	5334	1.6681	ug/L		96
87) ethylbenzene	6.324	91	24928	1.6428	ug/L		95
88) m,p-xylene	6.413	106	18710	3.3103	ug/L	#	80
89) o-xylene	6.660	106	7770	1.4064	ug/L		89
90) styrene	6.691	104	12834	1.5358	ug/L		92
91) bromoform	6.696	173	4732	1.6780	ug/L		97
92) butyl acrylate	6.780	55	7262	1.4779	ug/L		93
93) n-amyl acetate	6.922	70	2781	1.2946	ug/L	#	58
94) isopropylbenzene	6.843	105	19590	1.4614	ug/L		95
95) cis-1,4-dichloro-2-butene	7.021	88	2626	1.5491	ug/L	#	72
98) bromobenzene	7.037	156	6504	1.5880	ug/L		95
99) 1,1,2,2-tetrachloroethane	7.095	83	8184	1.6238	ug/L		96
100) trans-1,4-dichloro-2-b...	7.184	53	2147	1.7401	ug/L	#	77
101) 1,2,3-trichloropropane	7.158	110	2819	1.5809	ug/L		93
102) n-propylbenzene	7.063	91	27933	1.6157	ug/L		96
103) 2-chlorotoluene	7.137	126	5399	1.5005	ug/L		92
104) 4-chlorotoluene	7.221	91	17812	1.6209	ug/L		97
105) 1,3,5-trimethylbenzene	7.168	105	17762	1.5289	ug/L		96
106) tert-butylbenzene	7.325	119	13343	1.4685	ug/L		97
107) 1,2,4-trimethylbenzene	7.362	105	17726	1.5329	ug/L		97
108) sec-butylbenzene	7.420	105	20385	1.6040	ug/L		100
109) 1,3-dichlorobenzene	7.519	146	11992	1.6211	ug/L		95
110) p-isopropyltoluene	7.488	119	16924	1.5600	ug/L		93
111) 1,4-dichlorobenzene	7.561	146	13293	1.5842	ug/L		91
112) 1,2-dichlorobenzene	7.766	146	11573	1.5968	ug/L		96
113) 1,2,3-trimethylbenzene	7.577	105	22442	1.6231	ug/L		92
114) n-butylbenzene	7.692	134	3938	1.4159	ug/L	#	83
115) 1,2-dibromo-3-chloropr...	8.138	157	2220	1.4488	ug/L		83

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VT579\
Data File : 1T24000.D
Acq On : 18 Sep 2025 11:30 am
Operator : edwardd
Sample : ic579-2
Misc : MS96870,V1T0579,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 19 11:58:00 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 10:19:08 2025
Response via : Initial Calibration

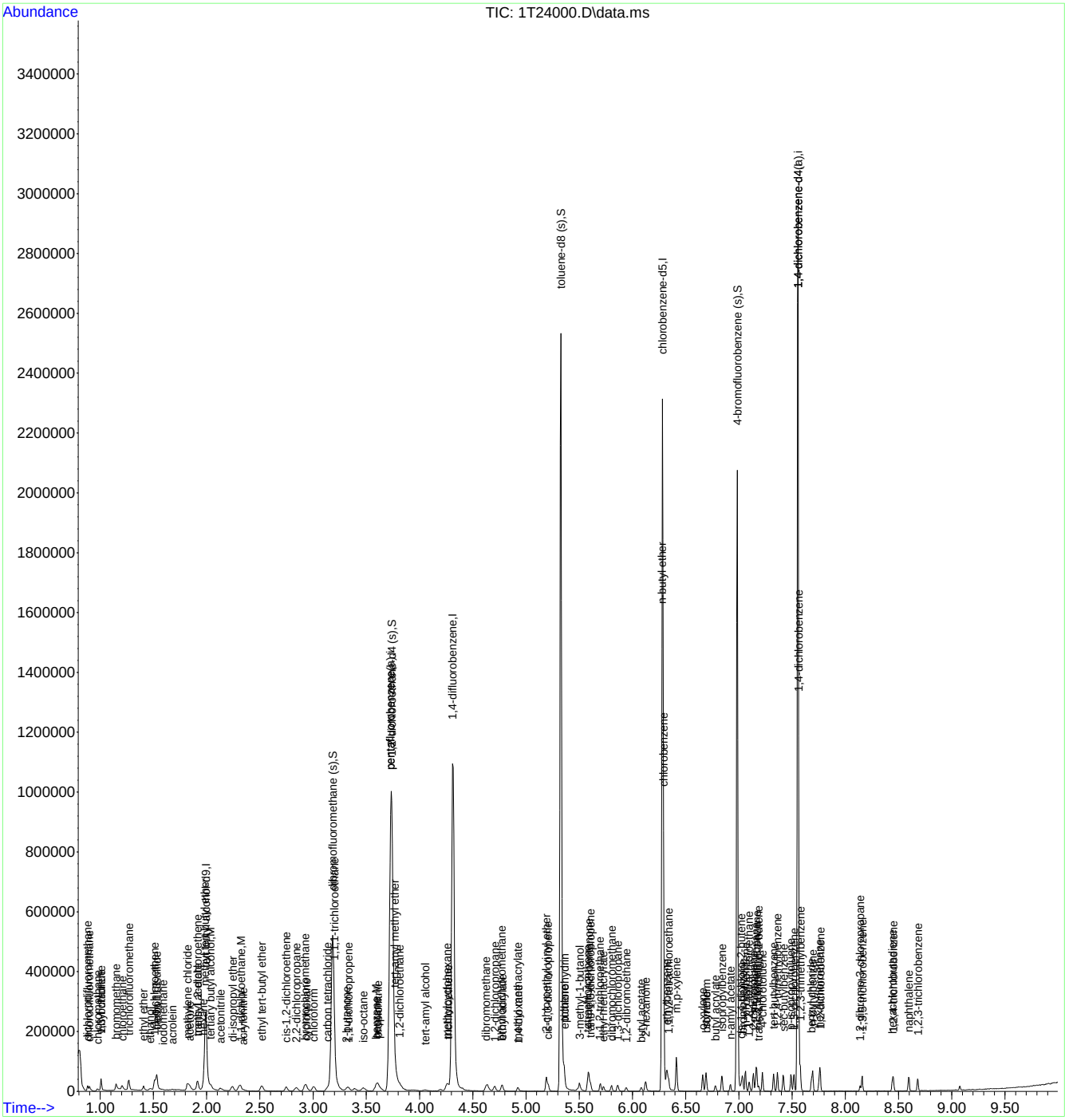
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
116) 1,3,5-trichlorobenzene	8.159	180	7548	1.5931	ug/L	100
117) 1,2,4-trichlorobenzene	8.453	180	6245	1.5280	ug/L	94
118) hexachlorobutadiene	8.442	225	3082	1.7776	ug/L	98
119) naphthalene	8.594	128	17152	1.4465	ug/L	97
120) 1,2,3-trichlorobenzene	8.683	180	5863	1.5511	ug/L	85
121) hexachloroethane	7.755	119	3669	1.6337	ug/L	94
122) benzyl chloride	7.682	126	2932	1.4798	ug/L	88

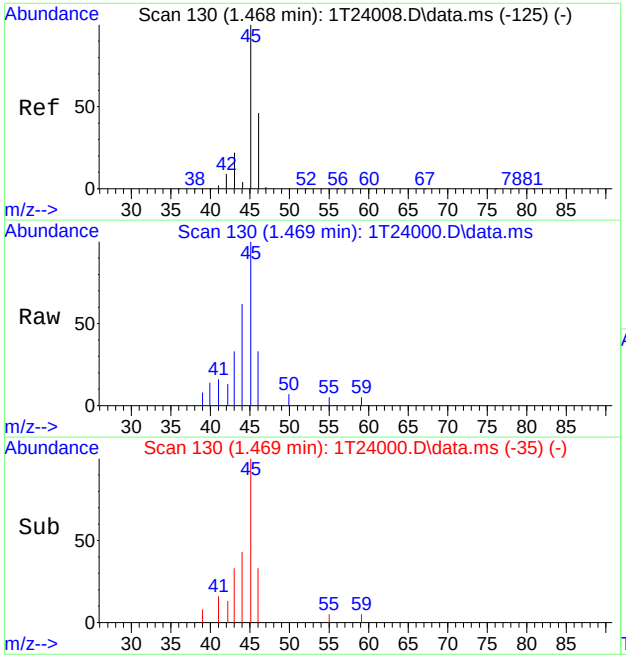
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VT579\
Data File : 1T24000.D
Acq On : 18 Sep 2025 11:30 am
Operator : edwardd
Sample : ic579-2
Misc : MS96870,V1T0579,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 19 11:58:00 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 10:19:08 2025
Response via : Initial Calibration

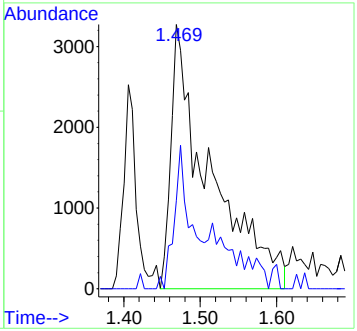


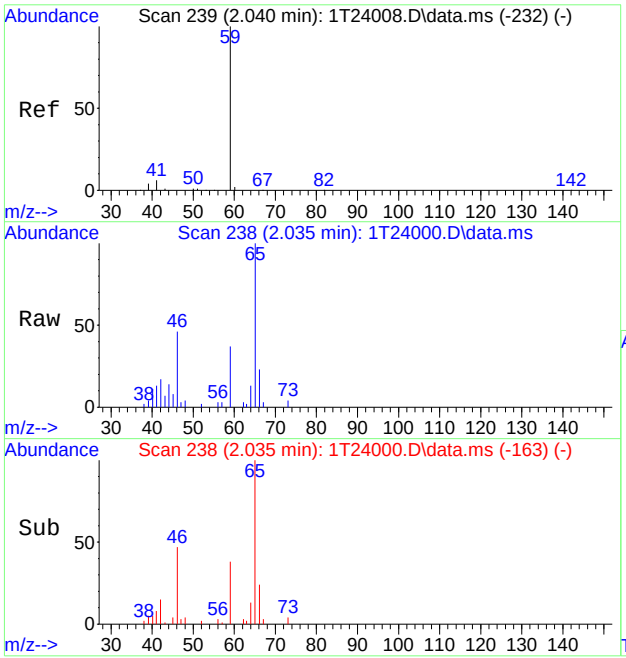


#2
ethanol
Concen: 159.96 ug/L m
RT: 1.469 min Scan# 130
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion: 45 Resp: 11483

Ion	Ratio	Lower	Upper
45	100		
46	33.3	24.5	64.5

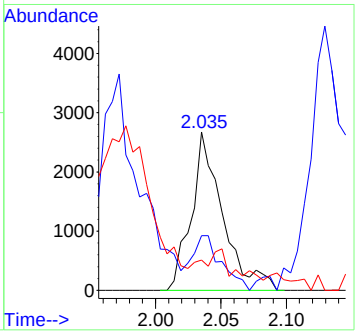


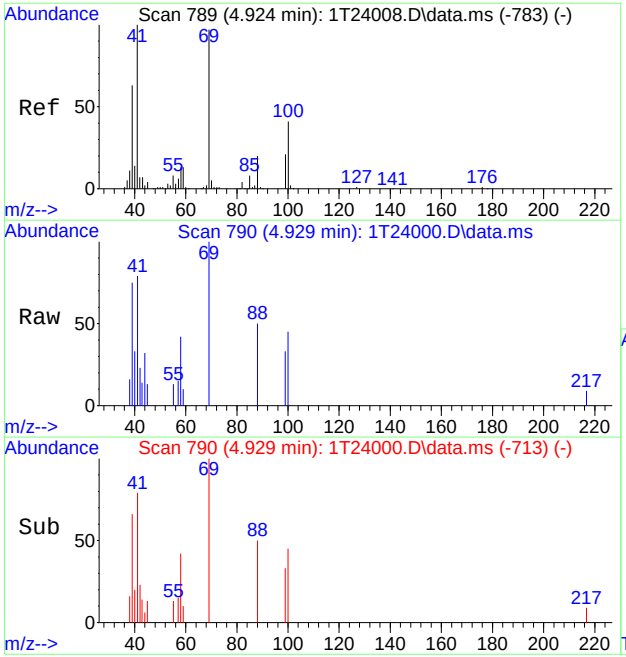


#3
tertiary butyl alcohol
Concen: 8.58 ug/L
RT: 2.035 min Scan# 238
Delta R.T. -0.005 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion: 59 Resp: 4443

Ion	Ratio	Lower	Upper
59	100		
41	20.4	0.0	43.1
43	12.3	0.0	48.5

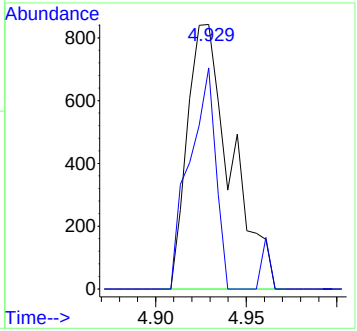


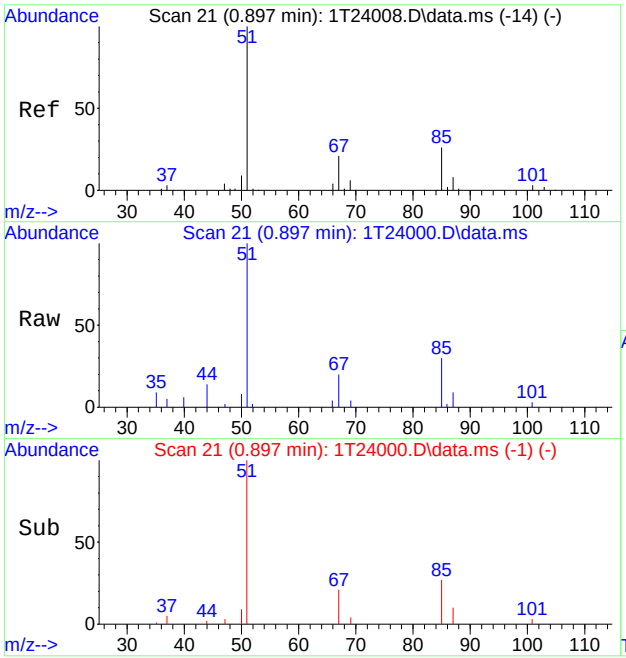


#4
1,4-dioxane
Concen: 43.23 ug/L
RT: 4.929 min Scan# 790
Delta R.T. 0.006 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion: 88 Resp: 1406

Ion	Ratio	Lower	Upper
88	100		
58	83.5	43.0	83.0#

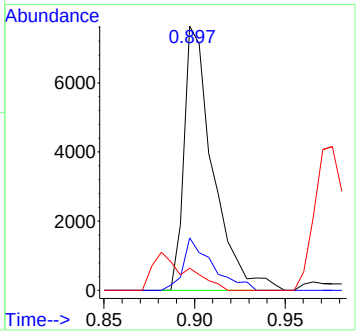


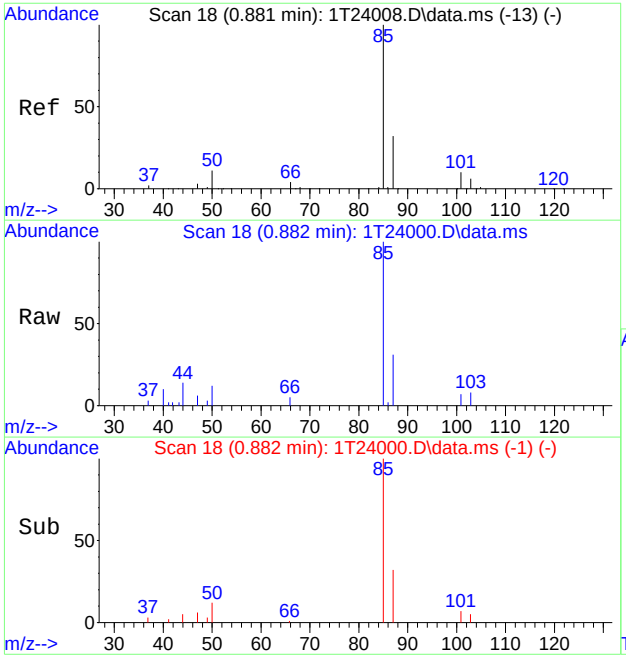


#6
chlorodifluoromethane
Concen: 1.98 ug/L
RT: 0.897 min Scan# 21
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion: 51 Resp: 8464

Ion	Ratio	Lower	Upper
51	100		
67	19.8	0.0	51.0
50	8.4	0.0	38.8

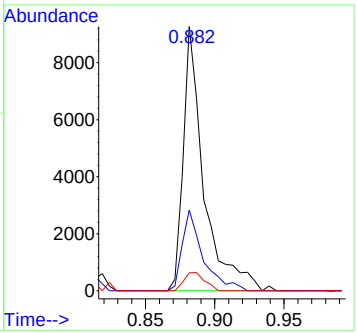


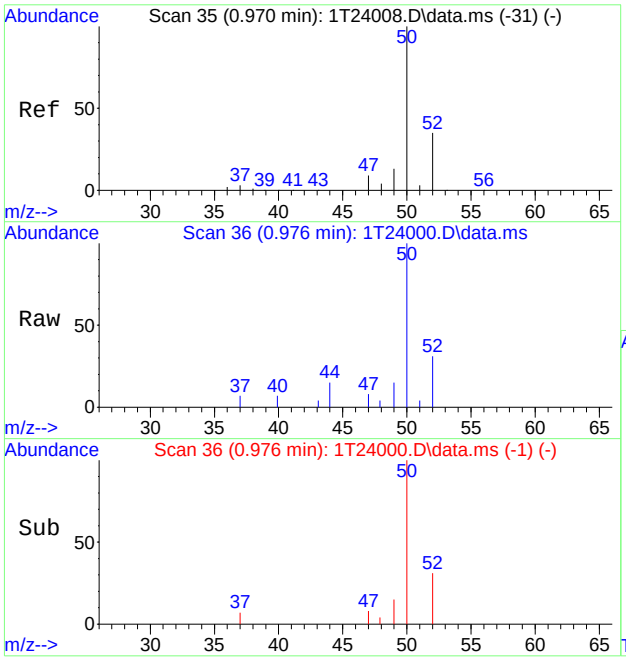


#7
dichlorodifluoromethane
Concen: 2.03 ug/L
RT: 0.882 min Scan# 18
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion: 85 Resp: 9615

Ion	Ratio	Lower	Upper
85	100		
87	30.6	1.6	61.6
101	6.8	0.0	39.6

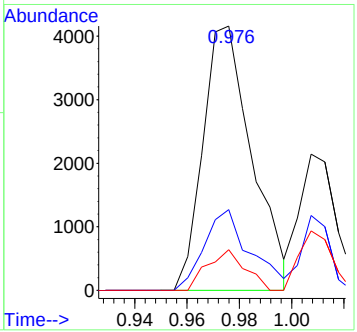


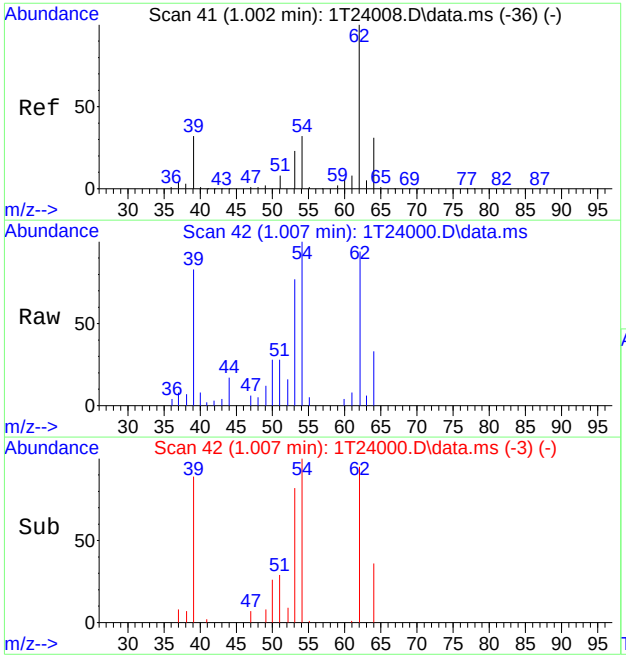


#8
chloromethane
Concen: 1.81 ug/L
RT: 0.976 min Scan# 36
Delta R.T. 0.006 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion: 50 Resp: 5425

Ion	Ratio	Lower	Upper
50	100		
52	30.5	5.4	65.4
49	15.4	0.0	42.5

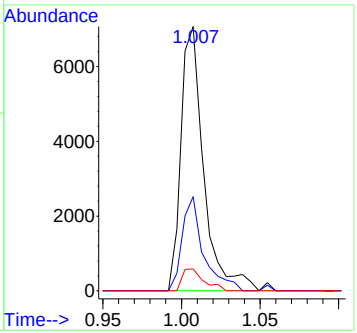


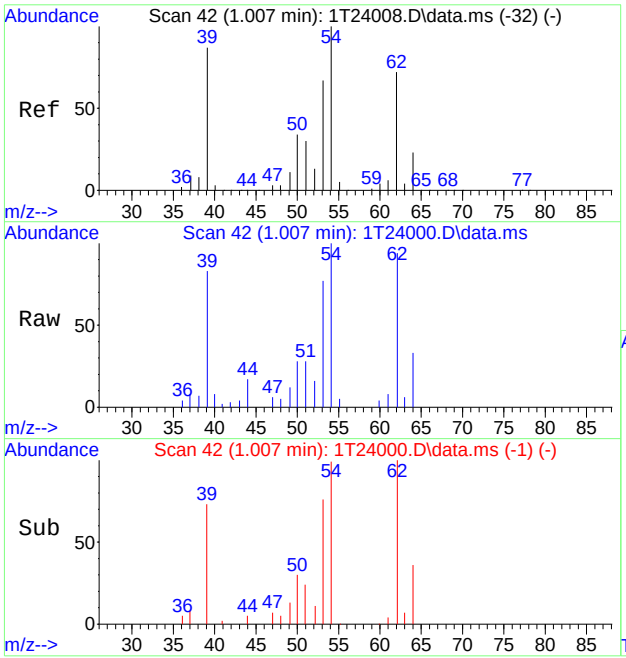


#9
vinyl chloride
Concen: 1.87 ug/L
RT: 1.007 min Scan# 42
Delta R.T. 0.006 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion: 62 Resp: 7187

Ion	Ratio	Lower	Upper
62	100		
64	35.6	1.5	61.5
61	8.3	0.0	38.2

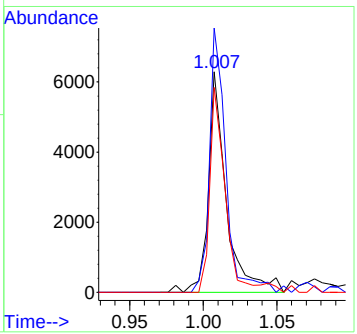


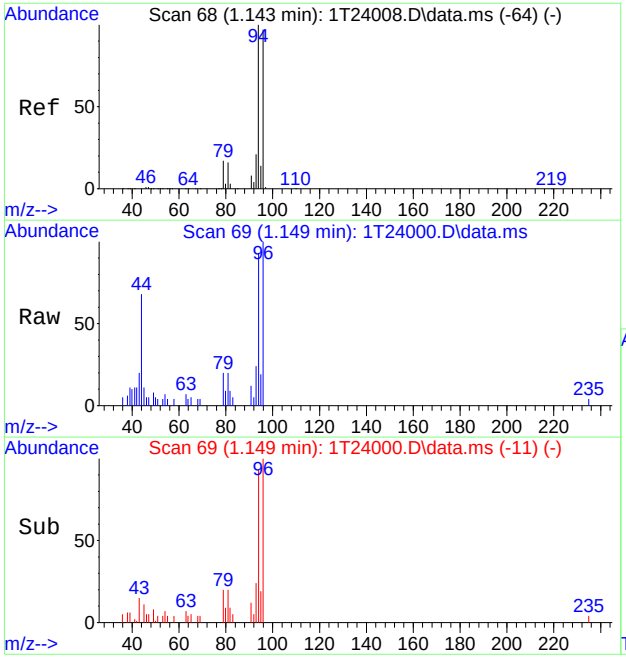


#10
1,3-butadiene
Concen: 1.85 ug/L
RT: 1.007 min Scan# 42
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion: 39 Resp: 5355

Ion	Ratio	Lower	Upper
39	100		
54	119.8	84.6	144.6
53	92.8	47.3	107.3

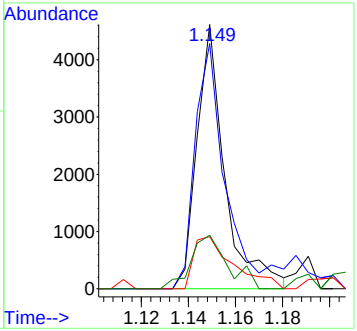


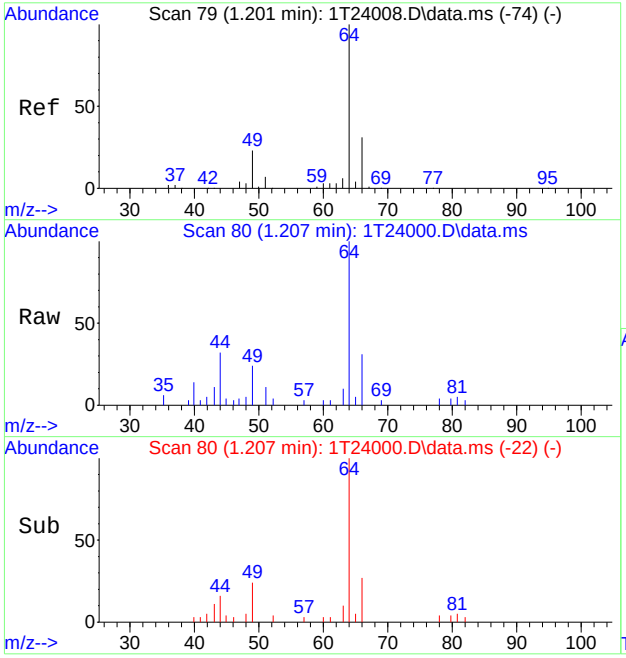


#11
bromomethane
Concen: 1.60 ug/L
RT: 1.149 min Scan# 69
Delta R.T. 0.006 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion: 96 Resp: 3821

Ion	Ratio	Lower	Upper
96	100		
94	92.7	73.2	133.2
79	19.8	17.3	17.3#
81	20.3	0.0	36.8

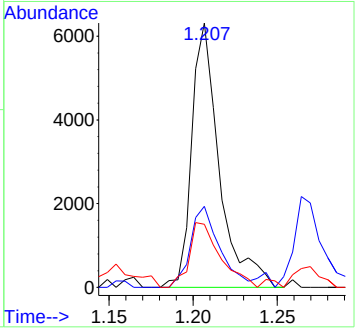


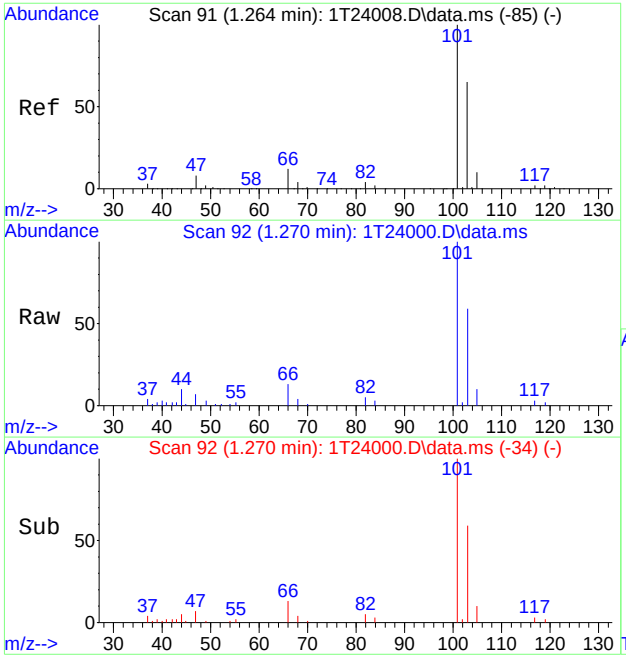


#12
chloroethane
Concen: 1.87 ug/L
RT: 1.207 min Scan# 80
Delta R.T. 0.006 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion: 64 Resp: 7201

Ion	Ratio	Lower	Upper
64	100		
66	30.7	0.9	60.9
49	23.8	0.0	52.7

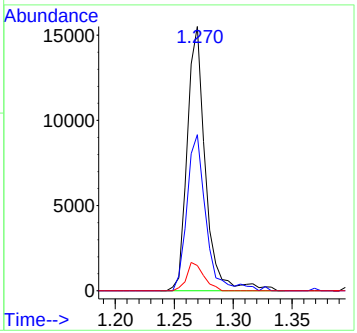


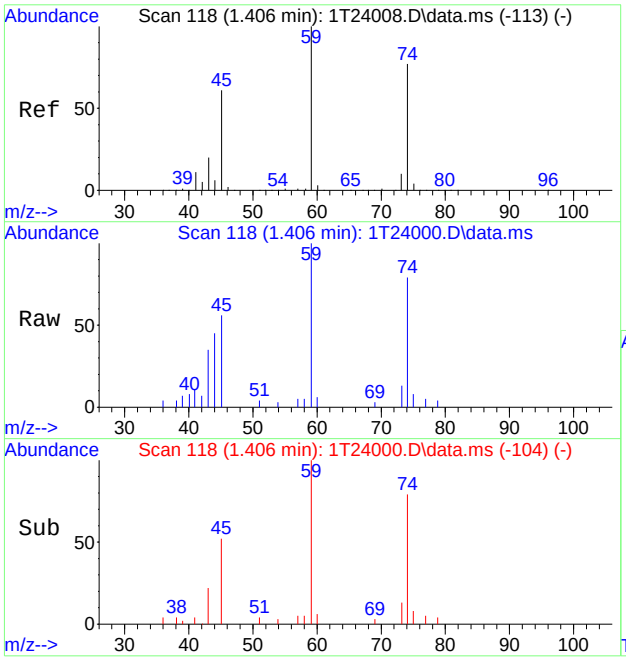


#13
trichlorofluoromethane
Concen: 1.88 ug/L
RT: 1.270 min Scan# 92
Delta R.T. 0.006 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion:101 Resp: 16693

Ion	Ratio	Lower	Upper
101	100		
103	59.1	34.8	94.8
105	9.5	0.0	40.0

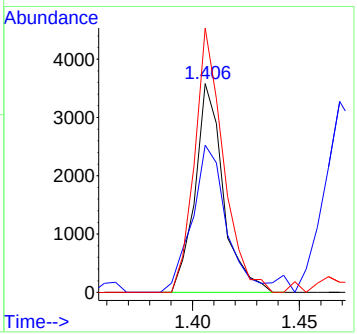


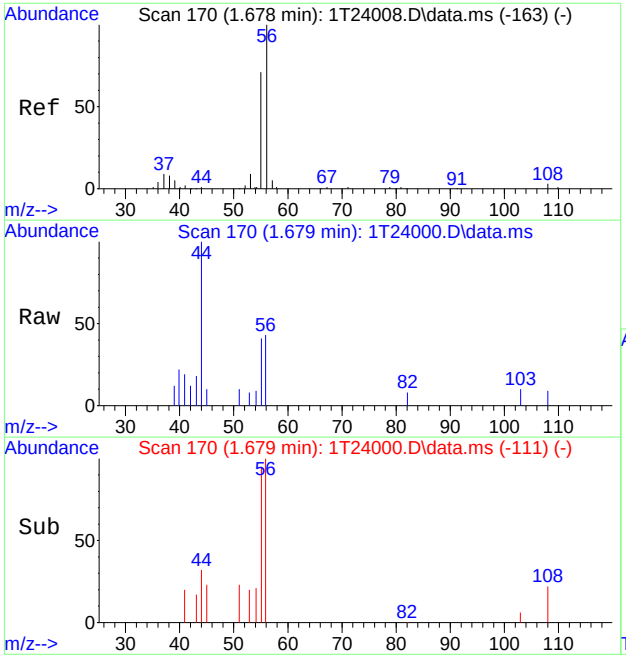


#14
ethyl ether
Concen: 1.54 ug/L
RT: 1.406 min Scan# 118
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion: 74 Resp: 3286

Ion	Ratio	Lower	Upper
74	100		
45	70.5	48.9	108.9
59	126.6	99.2	159.2

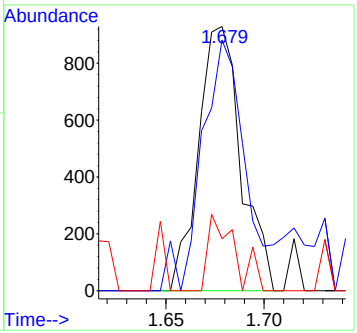


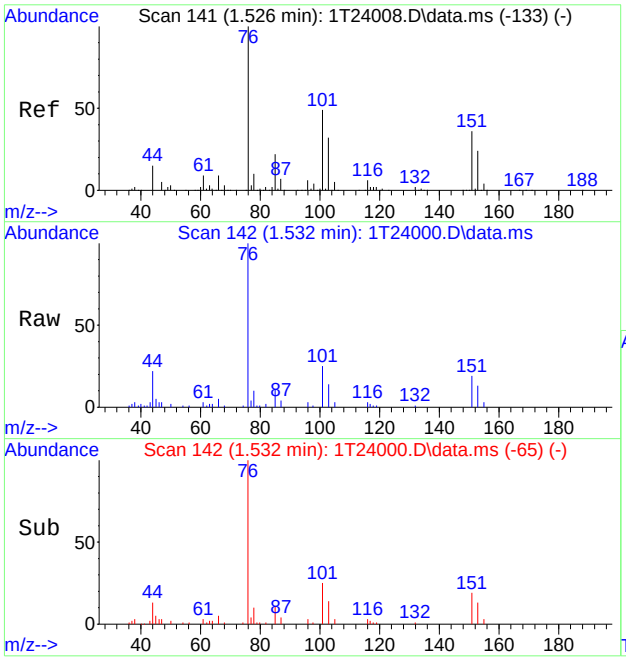


#15
acrolein
Concen: 1.63 ug/L
RT: 1.679 min Scan# 170
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion: 56 Resp: 1403

Ion	Ratio	Lower	Upper
56	100		
55	94.8	41.3	101.3
53	19.7	0.0	38.7

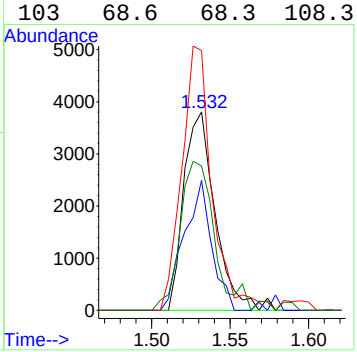


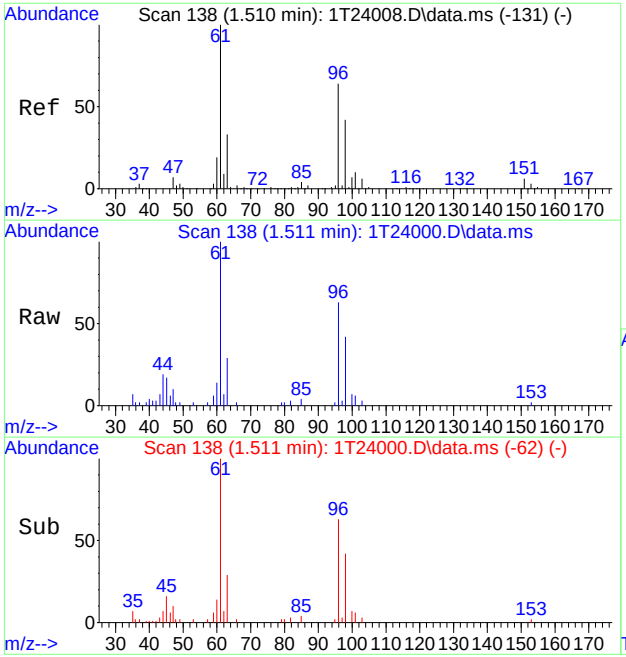


#16
freon 113
Concen: 1.92 ug/L
RT: 1.532 min Scan# 142
Delta R.T. 0.006 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion:151 Resp: 5285

Ion	Ratio	Lower	Upper
151	100		
153	65.5	46.1	86.1
101	131.0	116.7	156.7
103	68.6	68.3	108.3

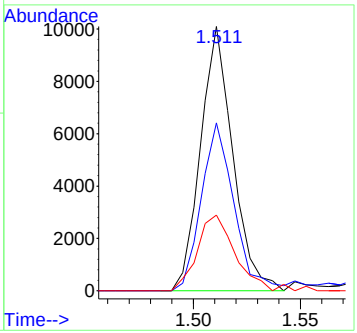


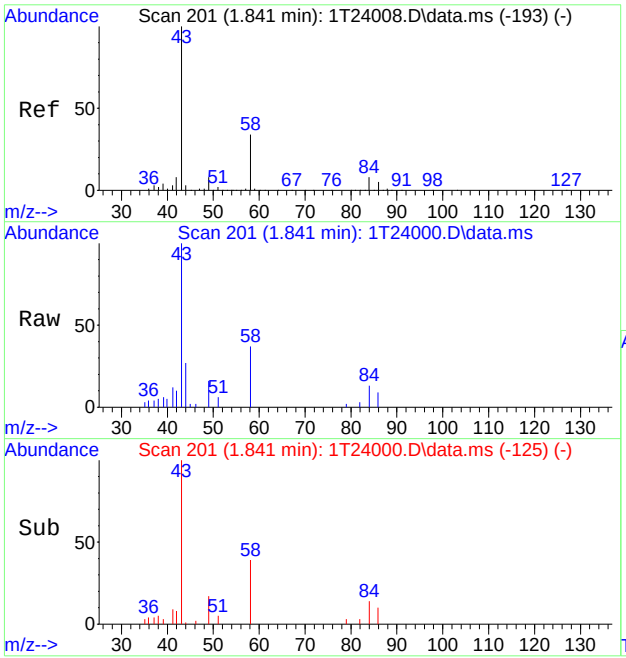


#17
1,1-dichloroethene
Concen: 1.81 ug/L
RT: 1.511 min Scan# 138
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion: 61 Resp: 10596

Ion	Ratio	Lower	Upper
61	100		
96	63.5	33.7	93.7
63	28.6	2.8	62.8

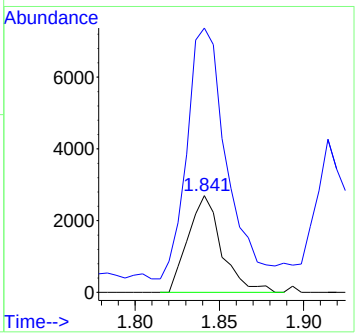


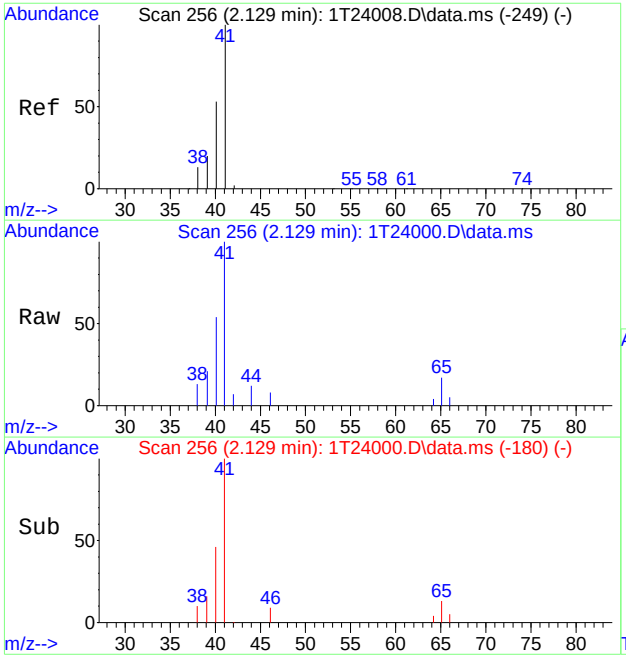


#18
acetone
Concen: 7.05 ug/L
RT: 1.841 min Scan# 201
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion: 58 Resp: 3746

Ion	Ratio	Lower	Upper
58	100		
43	259.5	263.8	323.8#

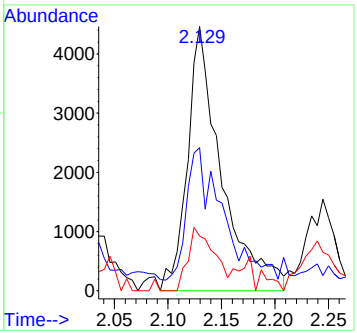


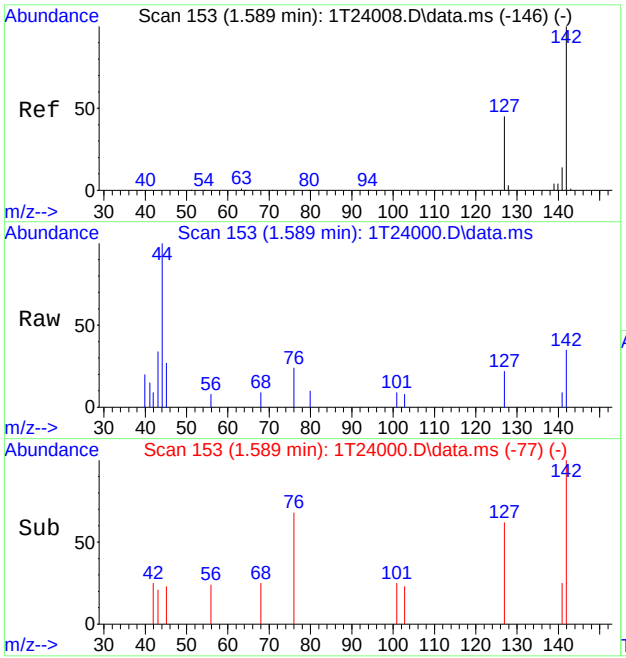


#19
acetonitrile
Concen: 22.47 ug/L
RT: 2.129 min Scan# 256
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion: 41 Resp: 9951

Ion	Ratio	Lower	Upper
41	100		
40	49.9	23.2	83.2
39	20.7	0.0	49.8

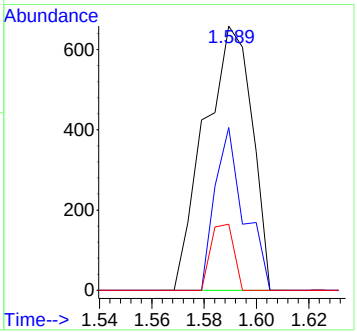


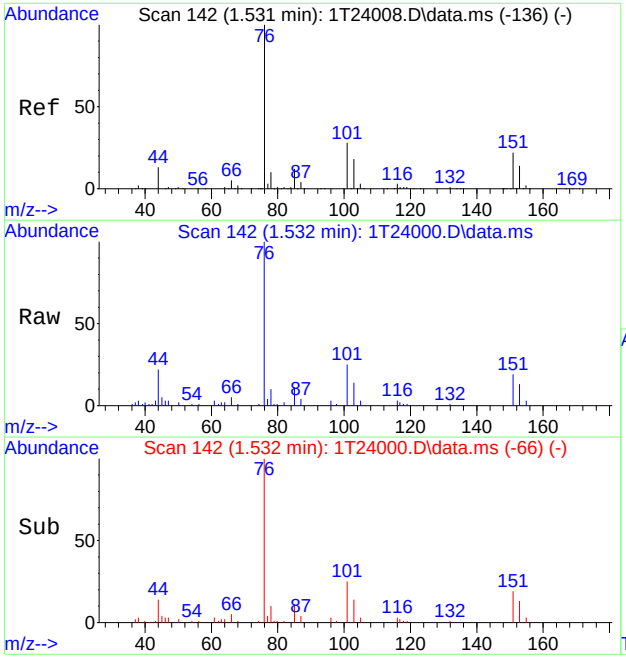


#20
iodomethane
Concen: 0.37 ug/L
RT: 1.589 min Scan# 153
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion:142 Resp: 833

Ion	Ratio	Lower	Upper
142	100		
127	61.6	14.7	74.7
141	25.0	0.0	44.3

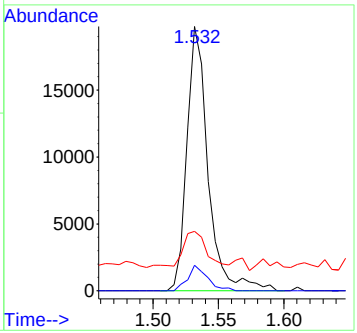


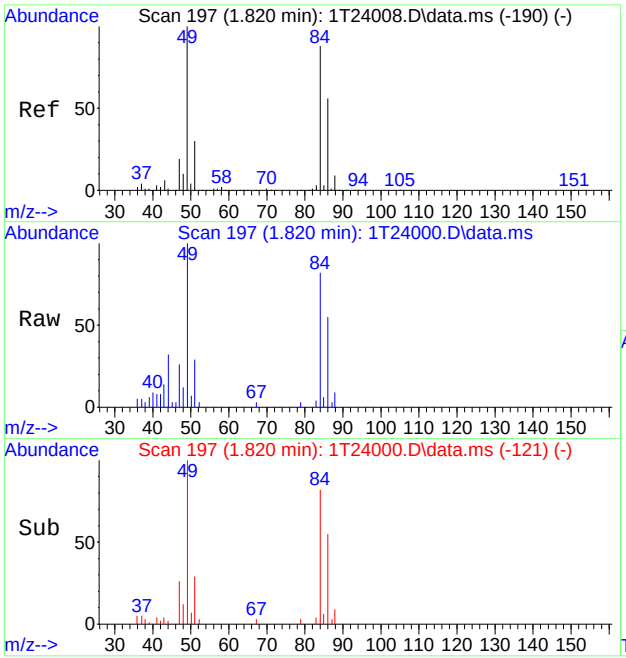


#21
carbon disulfide
Concen: 1.93 ug/L
RT: 1.532 min Scan# 142
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion: 76 Resp: 22210

Ion	Ratio	Lower	Upper
76	100		
78	9.7	0.0	40.0
44	13.4	0.0	43.4

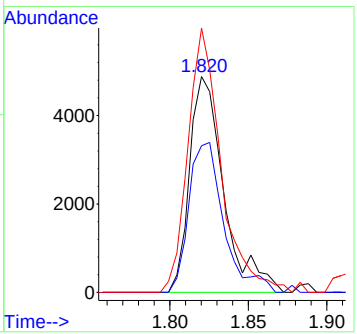


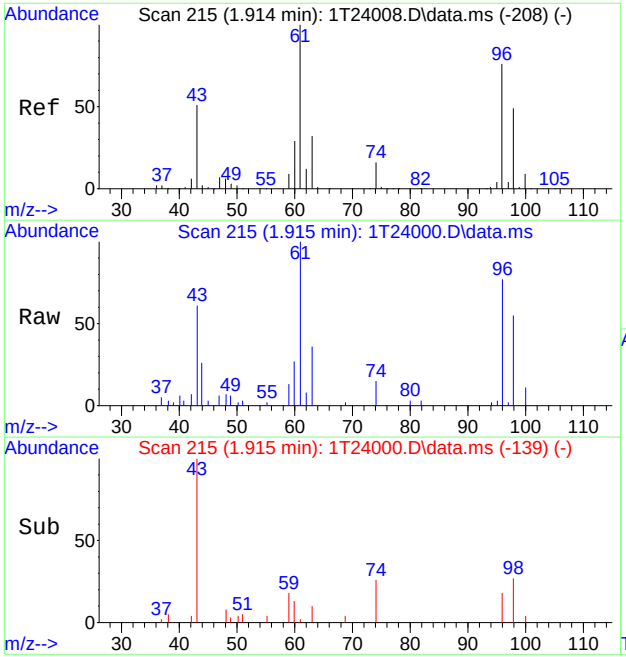


#22
methylene chloride
Concen: 1.72 ug/L
RT: 1.820 min Scan# 197
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion: 84 Resp: 7427

Ion	Ratio	Lower	Upper
84	100		
86	68.0	34.2	94.2
49	122.6	84.0	144.0

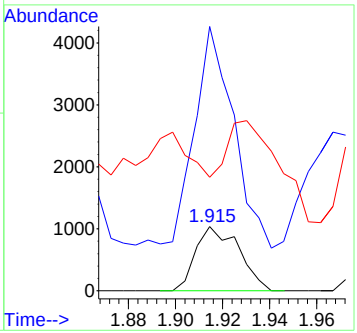


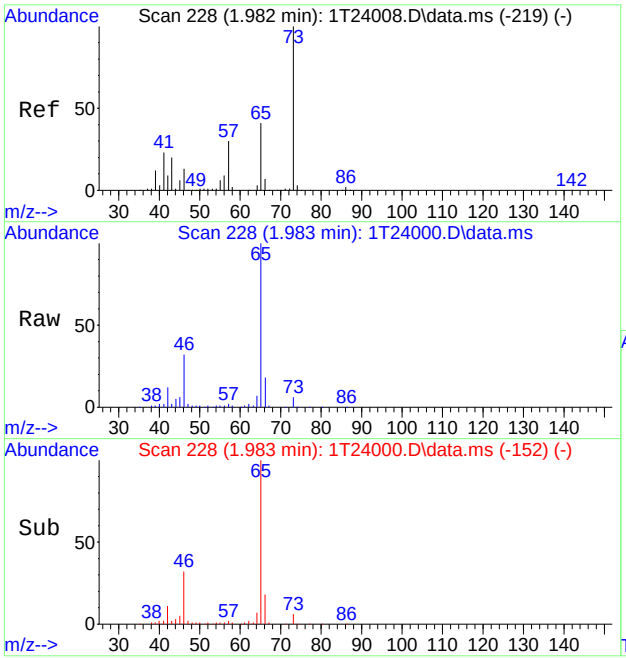


#23
methyl acetate
Concen: 1.59 ug/L
RT: 1.915 min Scan# 215
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion: 74 Resp: 1324

Ion	Ratio	Lower	Upper
74	100		
43	339.0	282.8	342.8
44	0.0	0.0	42.2

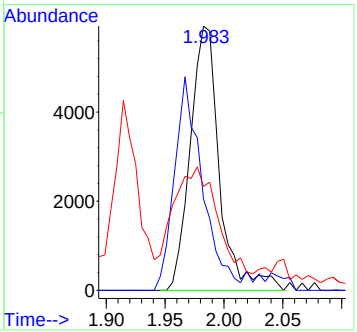


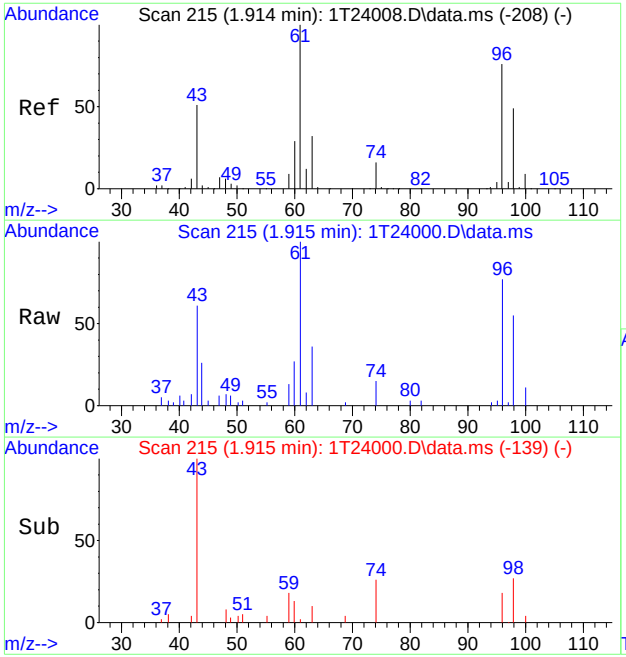


#24
methyl tert butyl ether
Concen: 1.43 ug/L
RT: 1.983 min Scan# 228
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion: 73 Resp: 10266

Ion	Ratio	Lower	Upper
73	100		
57	30.1	0.0	60.0
43	27.5	0.0	55.7

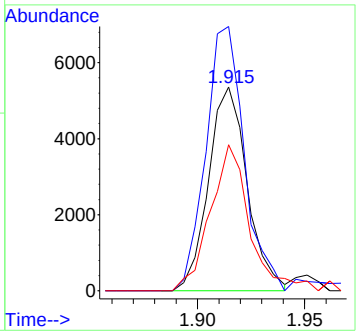


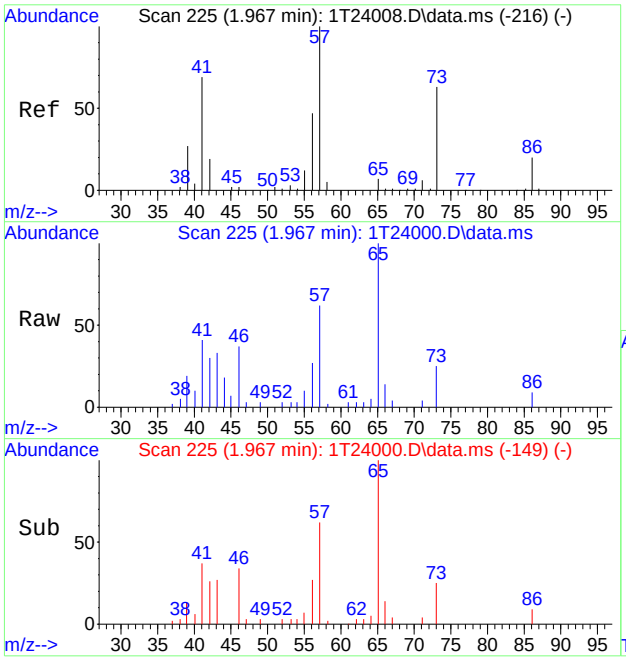


#25
trans-1,2-dichloroethene
Concen: 1.73 ug/L
RT: 1.915 min Scan# 215
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion: 96 Resp: 6747

Ion	Ratio	Lower	Upper
96	100		
61	129.7	101.0	161.0
98	71.6	34.5	94.5

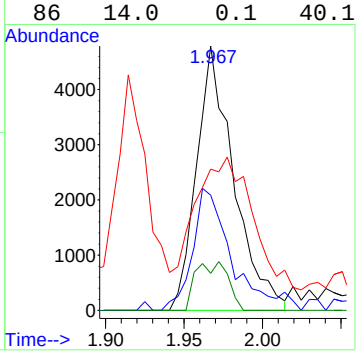


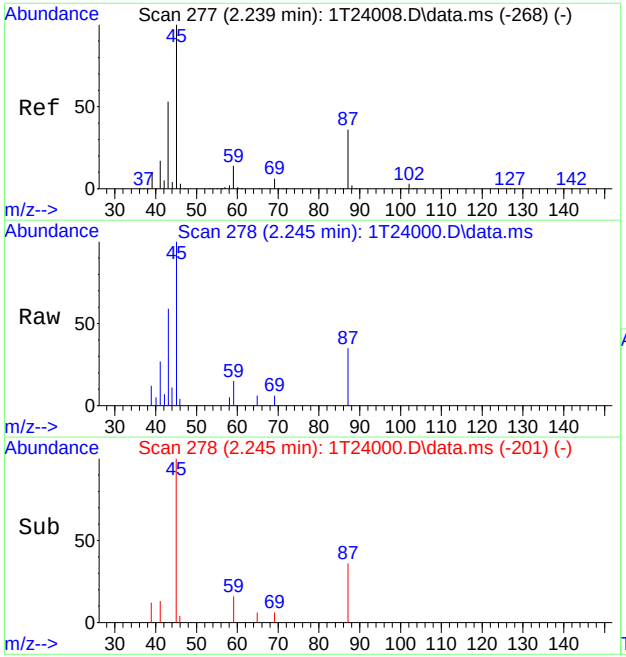


#26
hexane
Concen: 1.61 ug/L
RT: 1.967 min Scan# 225
Delta R.T. -0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion: 57 Resp: 7899

Ion	Ratio	Lower	Upper
57	100		
56	43.6	27.2	67.2
43	38.1	37.1	77.1
86	14.0	0.1	40.1

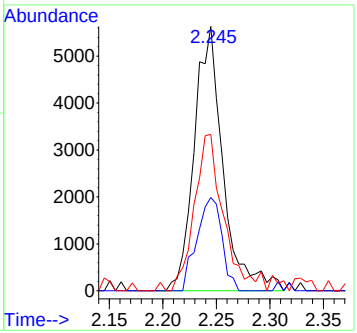


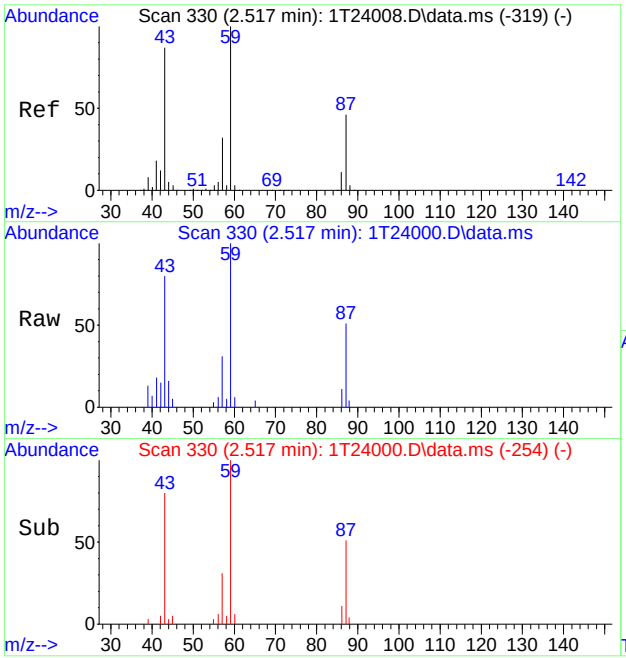


#27
di-isopropyl ether
Concen: 1.66 ug/L
RT: 2.245 min Scan# 278
Delta R.T. 0.006 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion: 45 Resp: 10550

Ion	Ratio	Lower	Upper
45	100		
87	35.3	6.3	66.3
43	55.9	23.0	83.0

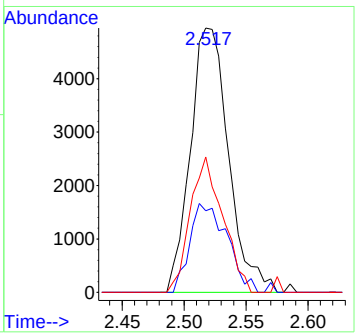


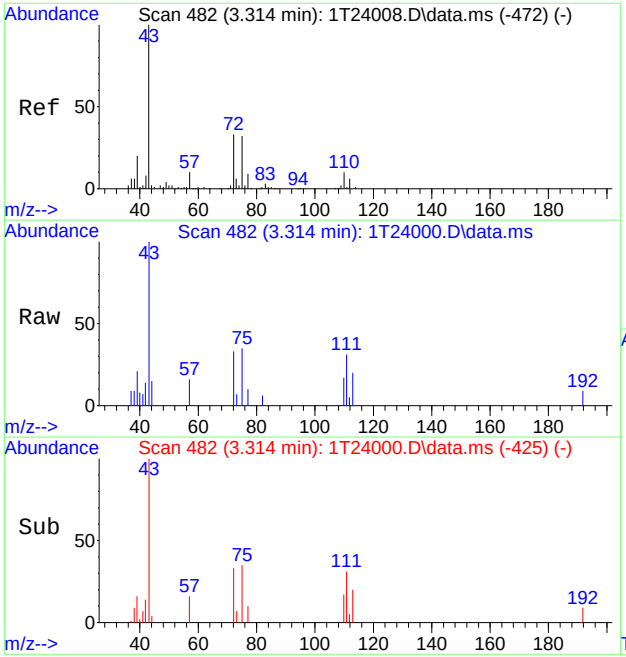


#28
ethyl tert-butyl ether
Concen: 1.42 ug/L
RT: 2.517 min Scan# 330
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion: 59 Resp: 10612

Ion	Ratio	Lower	Upper
59	100		
57	30.8	2.1	62.1
87	51.2	15.5	75.5

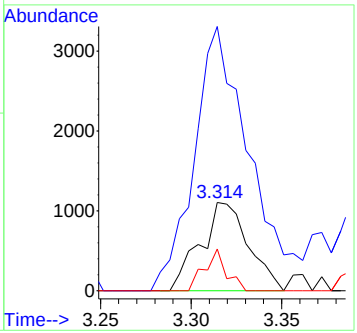


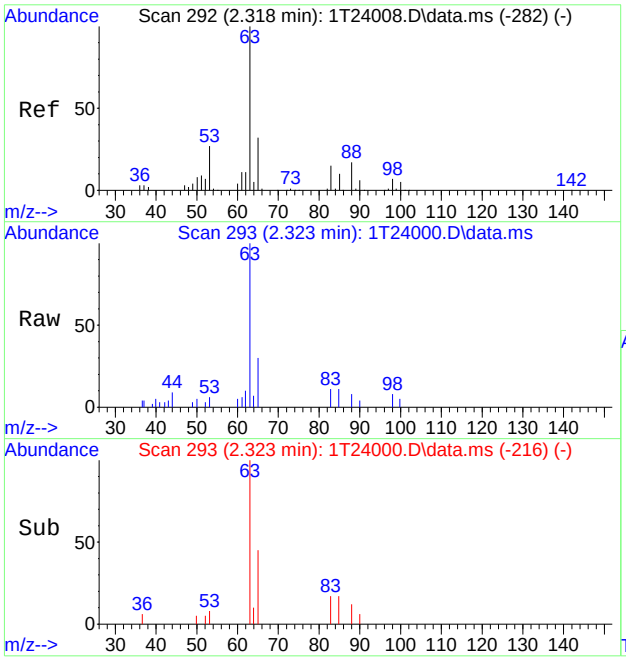


#29
2-butanone
Concen: 4.06 ug/L
RT: 3.314 min Scan# 482
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion: 72 Resp: 2038

Ion	Ratio	Lower	Upper
72	100		
43	278.2	273.9	333.9
57	47.3	0.0	58.9

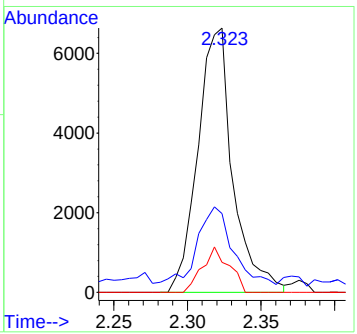


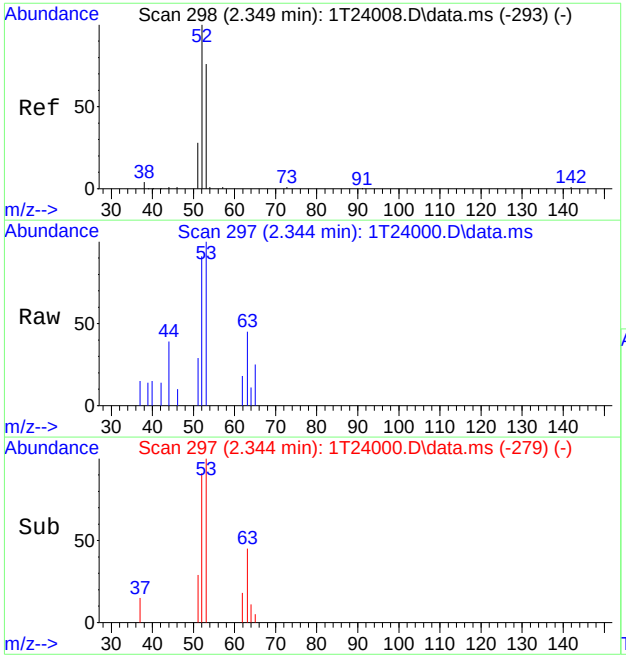


#30
1,1-dichloroethane
Concen: 1.87 ug/L
RT: 2.323 min Scan# 293
Delta R.T. 0.006 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion: 63 Resp: 10972

Ion	Ratio	Lower	Upper
63	100		
65	26.0	2.0	62.0
83	11.3	0.0	45.2

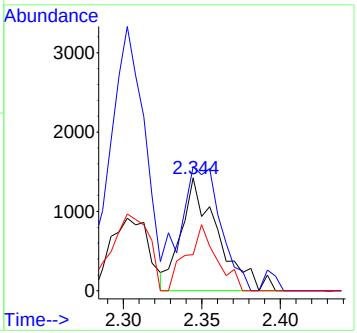


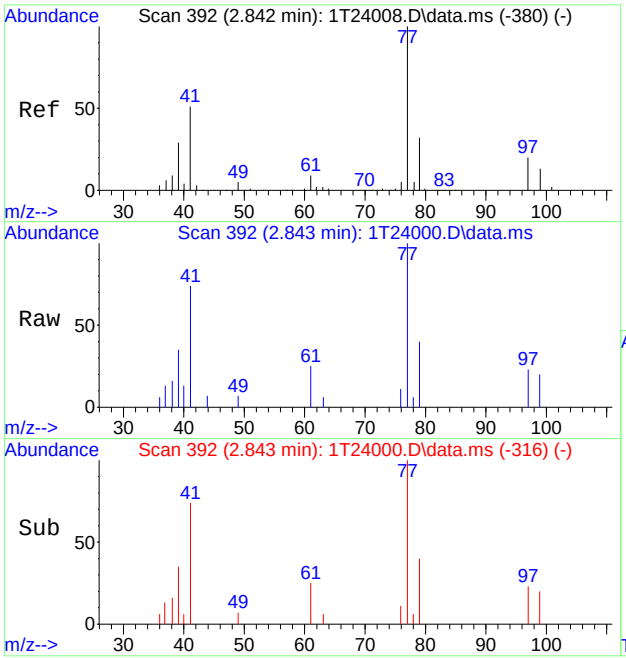


#32
acrylonitrile
Concen: 1.96 ug/L
RT: 2.344 min Scan# 297
Delta R.T. -0.005 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion: 52 Resp: 2321

Ion	Ratio	Lower	Upper
52	100		
53	109.8	96.8	156.8
51	32.1	14.4	74.4

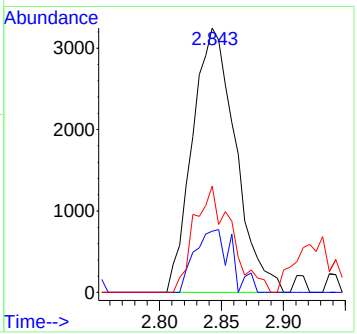


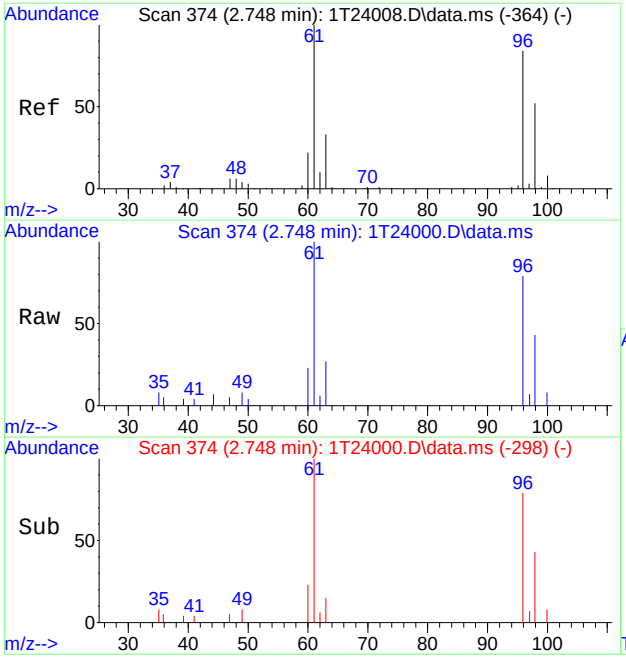


#35
2,2-dichloropropane
Concen: 1.70 ug/L
RT: 2.843 min Scan# 392
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion: 77 Resp: 7865

Ion	Ratio	Lower	Upper
77	100		
97	23.1	0.0	50.0
79	40.2	2.2	62.2

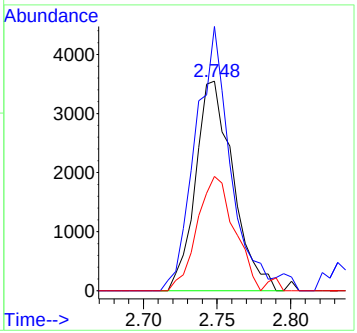


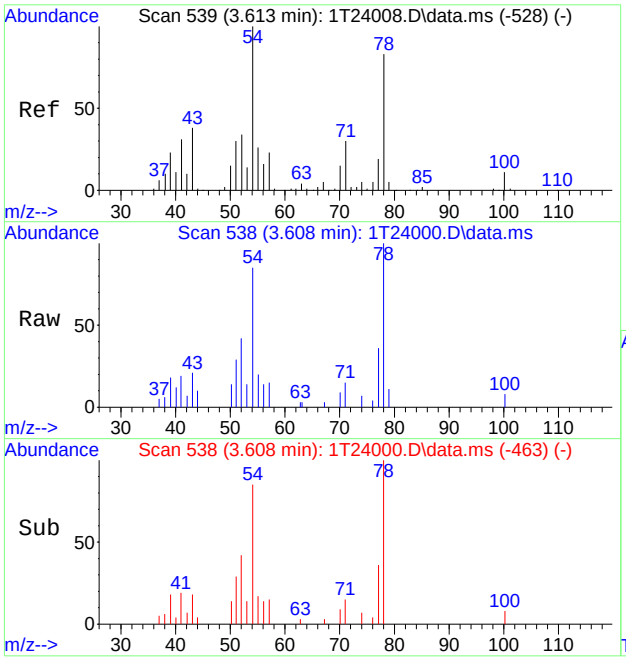


#36
cis-1,2-dichloroethene
Concen: 1.82 ug/L
RT: 2.748 min Scan# 374
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion: 96 Resp: 6297

Ion	Ratio	Lower	Upper
96	100		
61	126.1	89.4	149.4
98	54.5	32.0	92.0

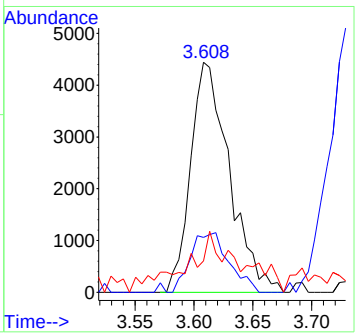


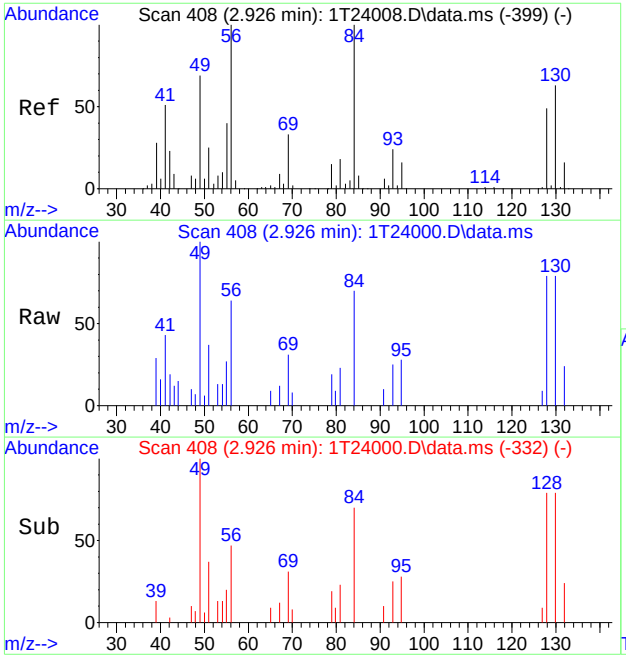


#37
propionitrile
Concen: 15.53 ug/L
RT: 3.608 min Scan# 538
Delta R.T. -0.005 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion: 54 Resp: 10196

Ion	Ratio	Lower	Upper
54	100		
55	23.9	0.0	55.9
40	13.7	0.0	41.2

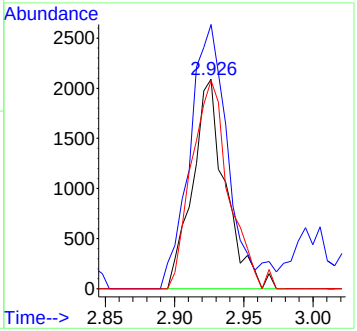


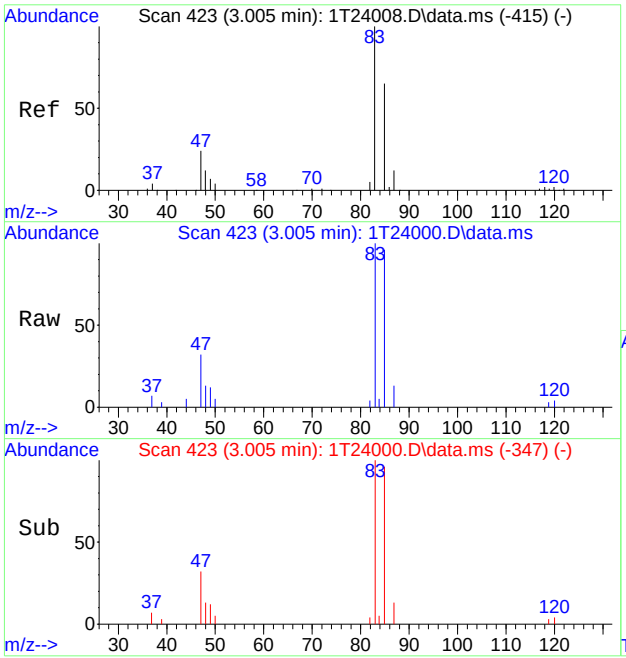


#39
bromochloromethane
Concen: 1.94 ug/L
RT: 2.926 min Scan# 408
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion:128 Resp: 3454

Ion	Ratio	Lower	Upper
128	100		
49	126.2	110.2	170.2
130	99.3	98.0	158.0

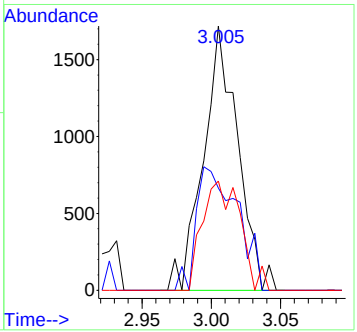


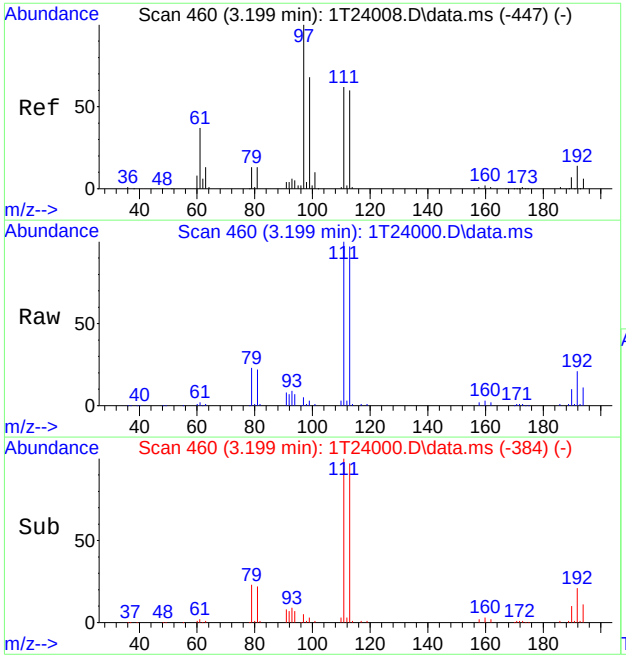


#41
chloroform
Concen: 1.64 ug/L
RT: 3.005 min Scan# 423
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion: 47 Resp: 2959

Ion	Ratio	Lower	Upper
47	100		
48	38.7	19.2	79.2
87	41.3	18.5	78.5

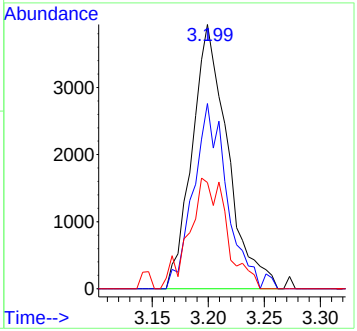


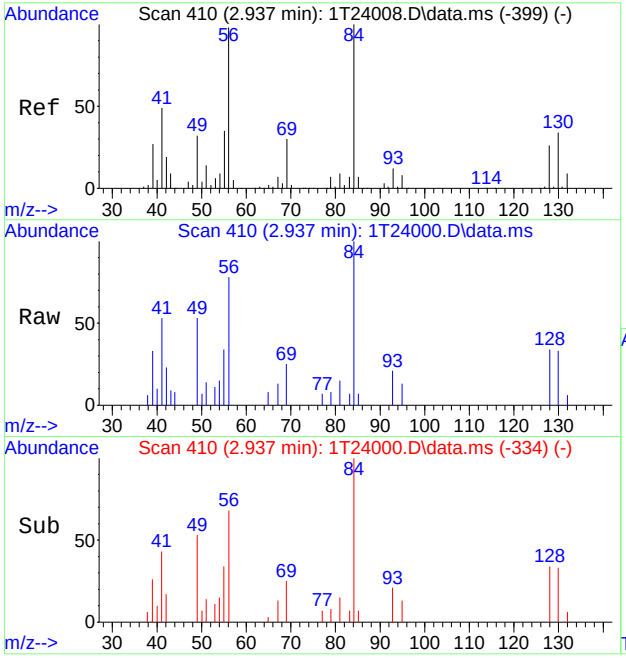


#44
1,1,1-trichloroethane
Concen: 1.67 ug/L
RT: 3.199 min Scan# 460
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion: 97 Resp: 8743

Ion	Ratio	Lower	Upper
97	100		
99	70.1	38.0	98.0
61	40.2	11.6	71.6

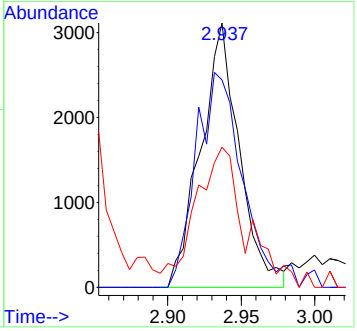


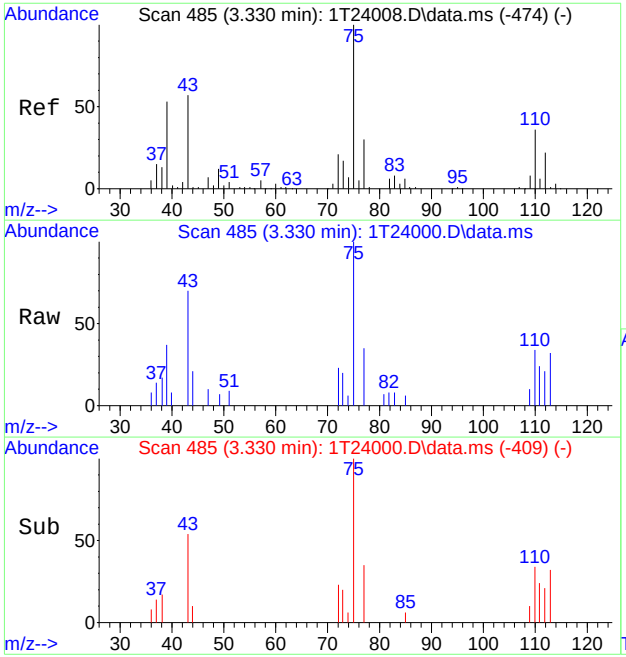


#45
cyclohexane
Concen: 1.22 ug/L
RT: 2.937 min Scan# 410
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion: 84 Resp: 5707

Ion	Ratio	Lower	Upper
84	100		
56	78.4	78.4	118.4
41	47.6	30.2	70.2

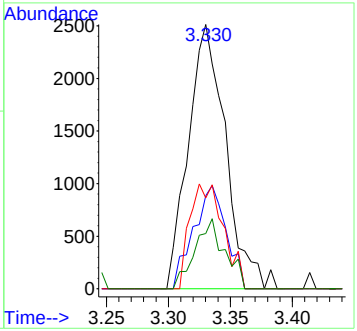


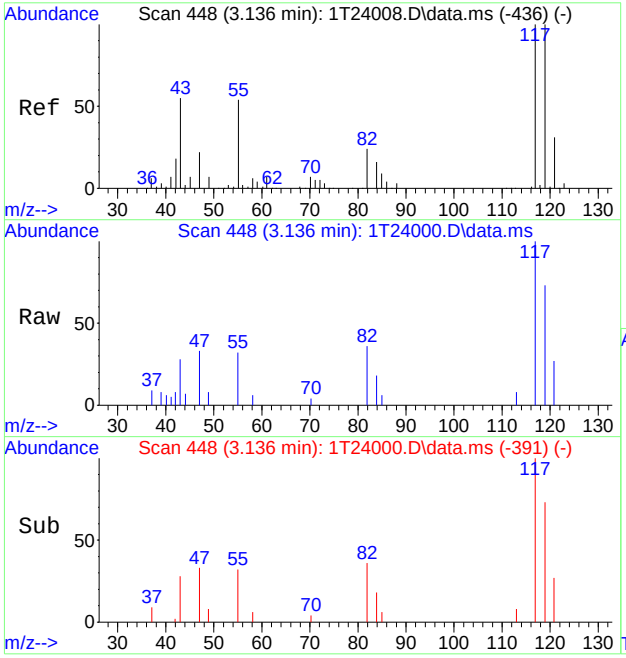


#46
1,1-dichloropropene
Concen: 1.42 ug/L
RT: 3.330 min Scan# 485
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion: 75 Resp: 5281

Ion	Ratio	Lower	Upper
75	100		
77	35.2	9.7	49.7
110	34.4	15.7	55.7
112	20.9	2.4	42.4

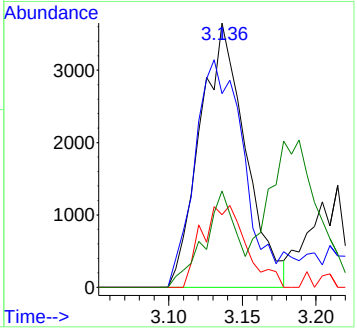


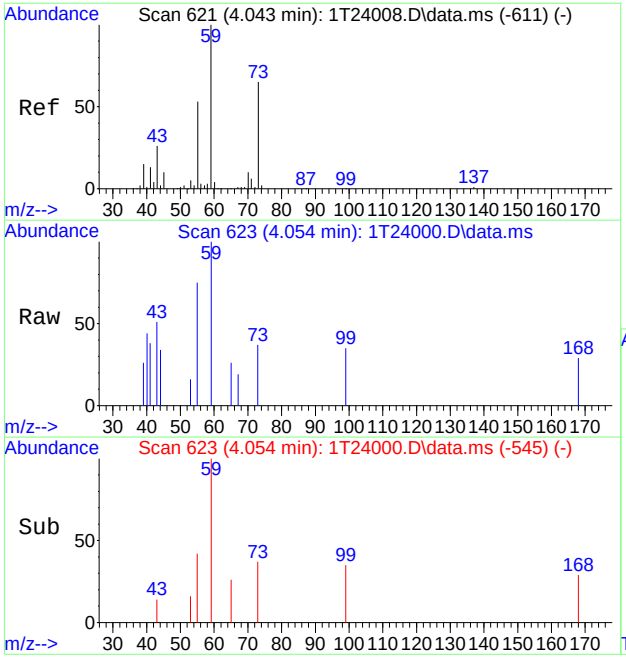


#47
carbon tetrachloride
Concen: 1.70 ug/L
RT: 3.136 min Scan# 448
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion:117 Resp: 7833

Ion	Ratio	Lower	Upper
117	100		
119	73.3	80.5	120.5#
121	27.5	11.1	51.1
82	36.5	4.2	44.2

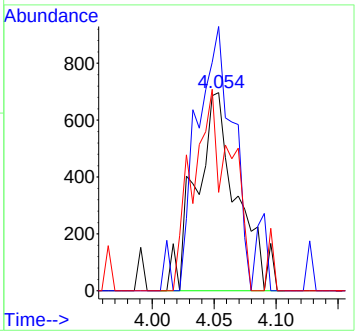


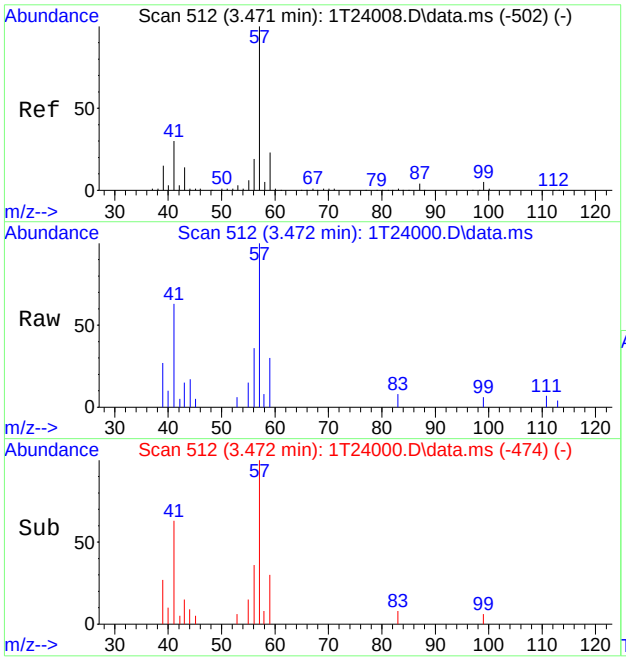


#49
tert-amyl alcohol
Concen: 8.58 ug/L
RT: 4.054 min Scan# 623
Delta R.T. 0.011 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion: 55 Resp: 1608

Ion	Ratio	Lower	Upper
55	100		
59	133.4	167.3	207.3#
73	49.6	102.0	142.0#

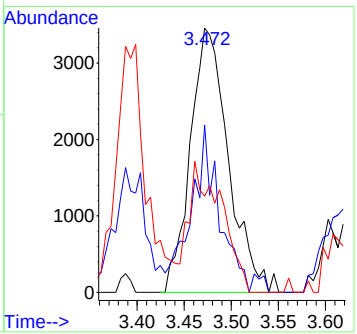


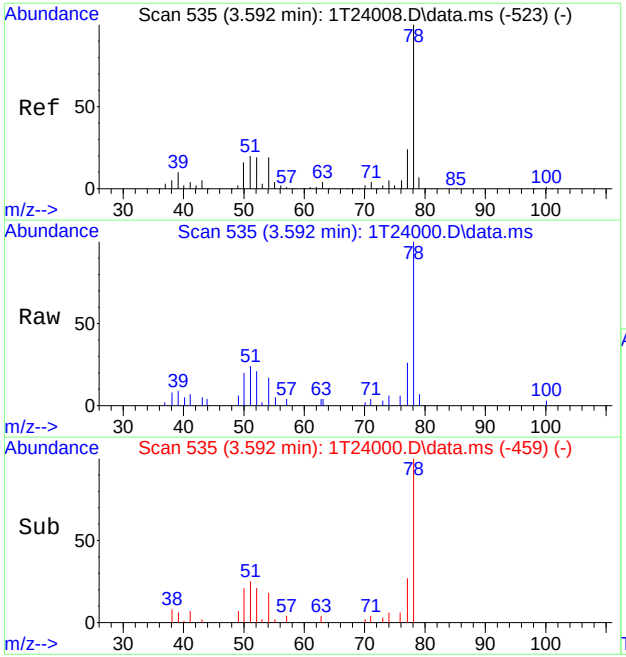


#52
iso-octane
Concen: 1.56 ug/L
RT: 3.472 min Scan# 512
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion: 57 Resp: 9721

Ion	Ratio	Lower	Upper
57	100		
41	63.3	17.8	57.8#
56	36.4	15.2	55.2

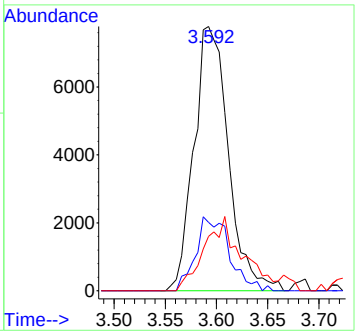


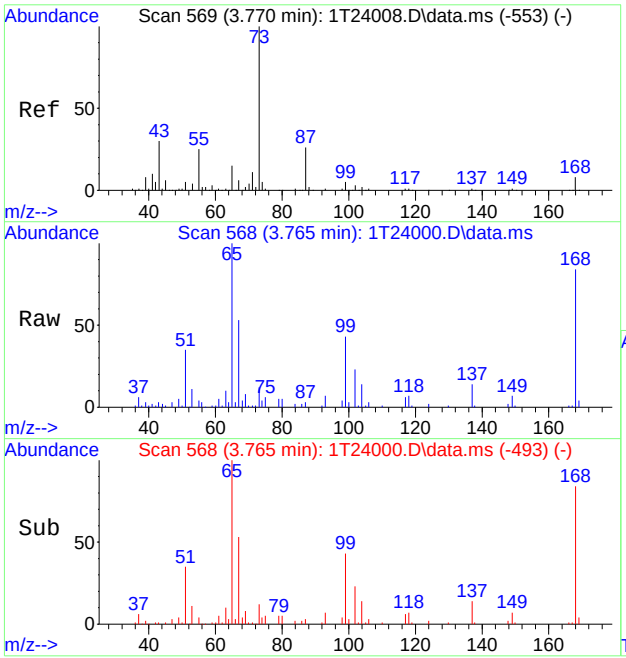


#53
benzene
Concen: 1.65 ug/L
RT: 3.592 min Scan# 535
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion: 78 Resp: 18253

Ion	Ratio	Lower	Upper
78	100		
77	25.9	0.0	54.3
52	20.6	0.0	48.8

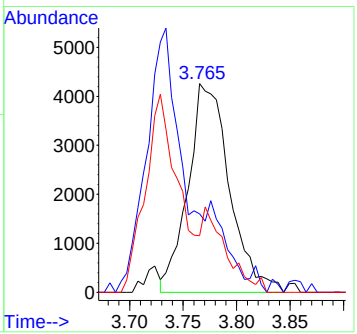


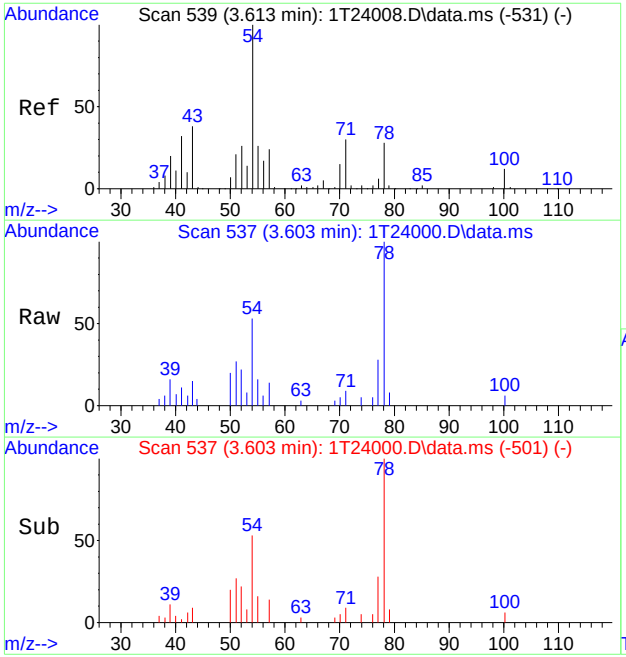


#54
tert-amyl methyl ether
Concen: 1.50 ug/L
RT: 3.765 min Scan# 568
Delta R.T. -0.005 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion: 73 Resp: 11495

Ion	Ratio	Lower	Upper
73	100		
55	37.5	5.6	45.6
87	27.1	6.1	46.1

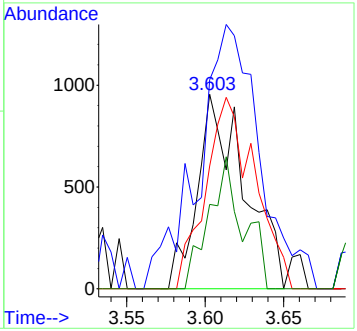


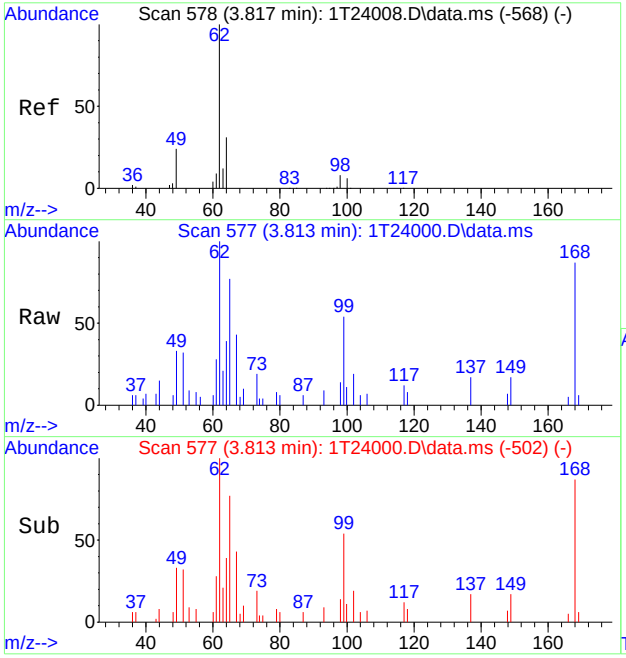


#55
heptane
Concen: 1.60 ug/L
RT: 3.603 min Scan# 537
Delta R.T. -0.010 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion: 57 Resp: 2014

Ion	Ratio	Lower	Upper
57	100		
43	85.8	120.9	180.9#
71	63.1	89.7	149.7#
100	43.4	15.5	75.5

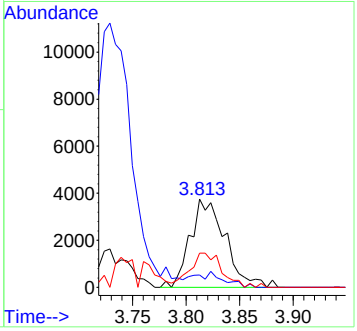


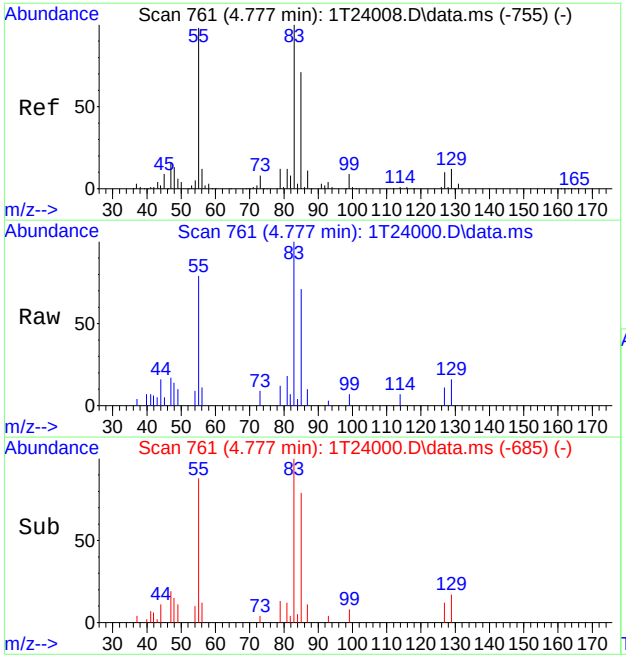


#57
1,2-dichloroethane
Concen: 1.65 ug/L
RT: 3.813 min Scan# 577
Delta R.T. -0.005 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion: 62 Resp: 8605

Ion	Ratio	Lower	Upper
62	100		
98	14.1	0.0	39.3
64	38.8	1.8	61.8

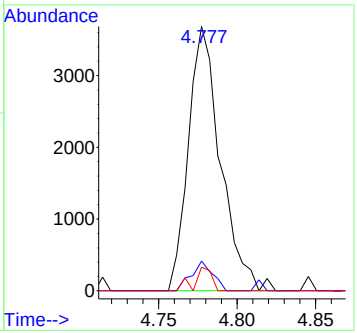


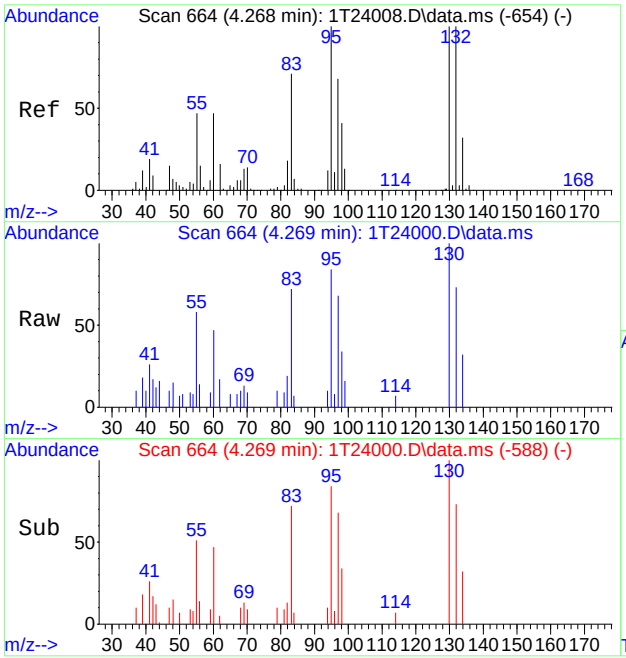


#59
ethyl acrylate
Concen: 1.43 ug/L
RT: 4.777 min Scan# 761
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion: 55 Resp: 5232

Ion	Ratio	Lower	Upper
55	100		
73	11.3	0.0	37.8
99	8.9	0.0	39.3

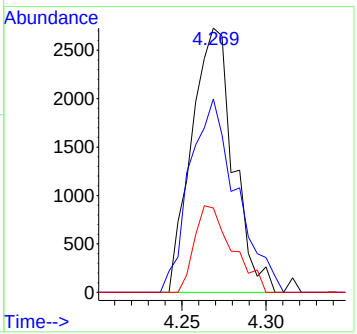


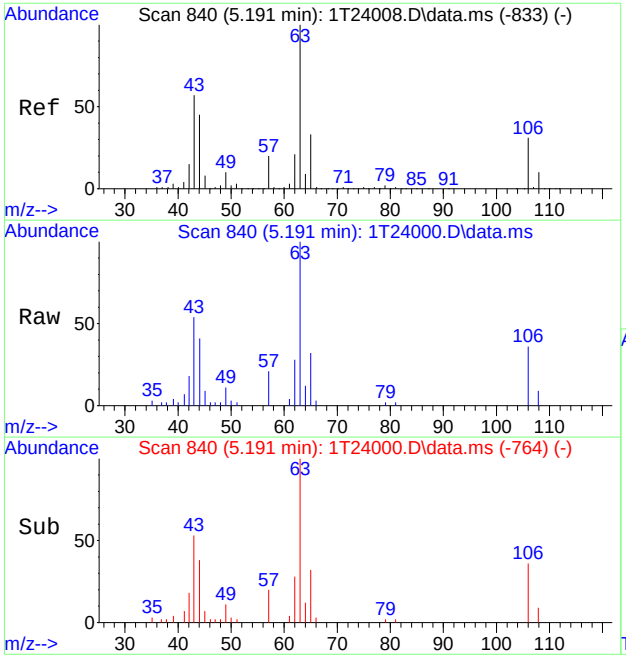


#60
trichloroethene
Concen: 1.60 ug/L
RT: 4.269 min Scan# 664
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion:130 Resp: 4708

Ion	Ratio	Lower	Upper
130	100		
132	73.2	69.8	129.8
134	31.9	2.3	62.3

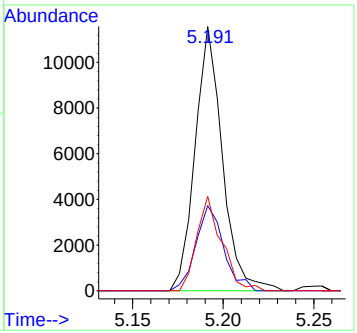


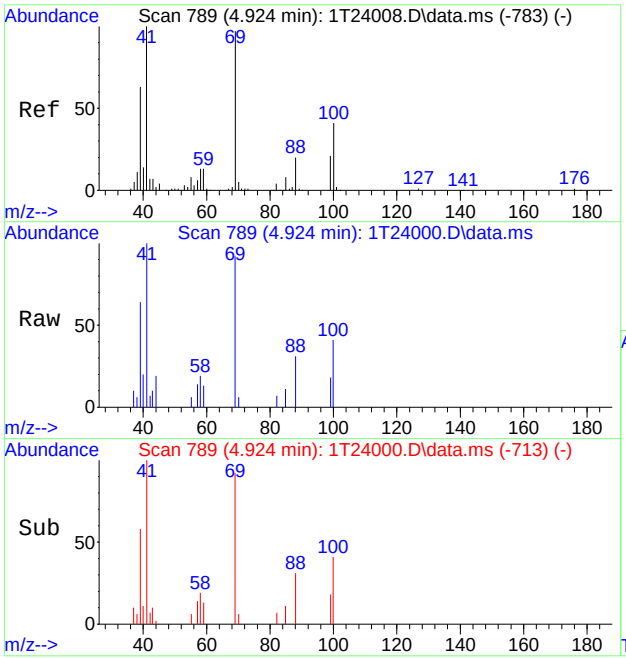


#62
2-chloroethyl vinyl ether
Concen: 7.23 ug/L
RT: 5.191 min Scan# 840
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion: 63 Resp: 12097

Ion	Ratio	Lower	Upper
63	100		
65	32.2	2.7	62.7
106	35.7	0.6	60.6

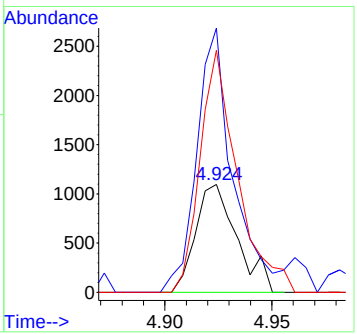


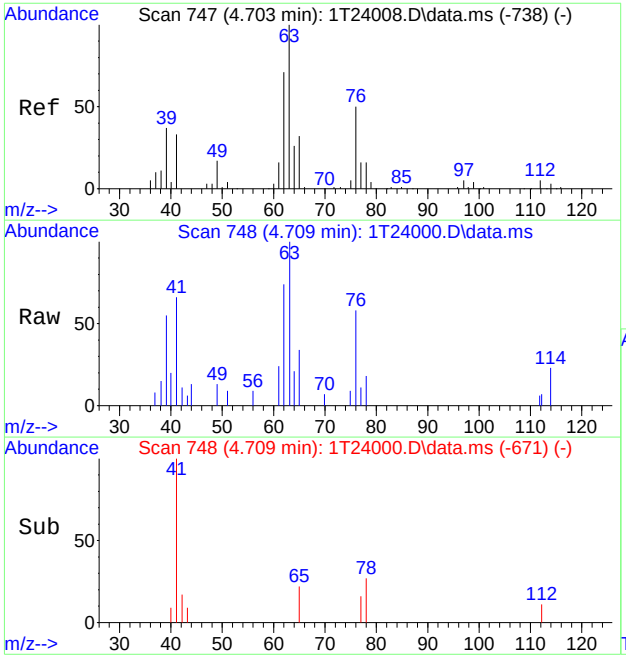


#63
methyl methacrylate
Concen: 1.81 ug/L
RT: 4.924 min Scan# 789
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion:100 Resp: 1472

Ion	Ratio	Lower	Upper
100	100		
41	244.8	214.5	274.5
69	224.2	207.6	267.6

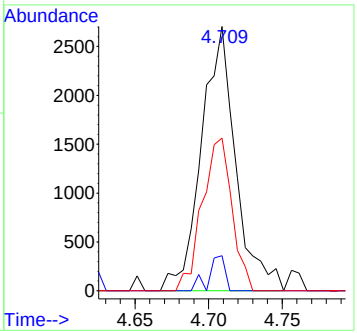


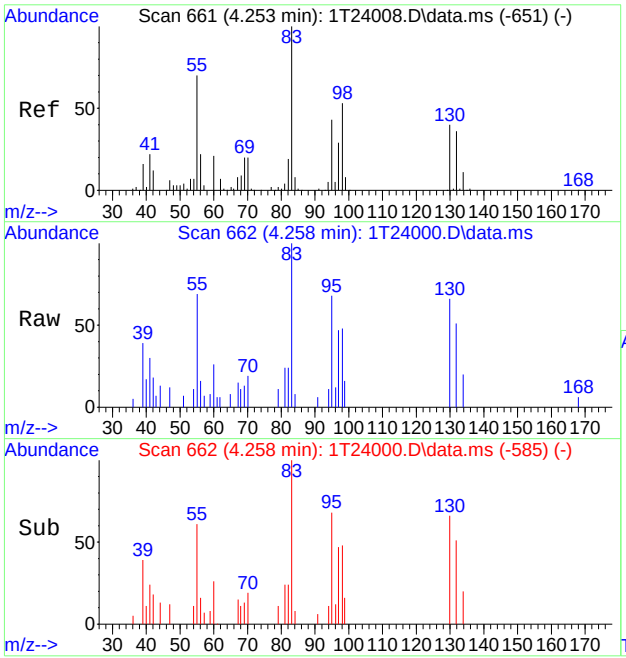


#64
1,2-dichloropropane
Concen: 1.48 ug/L
RT: 4.709 min Scan# 748
Delta R.T. 0.006 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion: 63 Resp: 4386

Ion	Ratio	Lower	Upper
63	100		
112	13.2	0.0	34.7
76	57.8	20.1	80.1

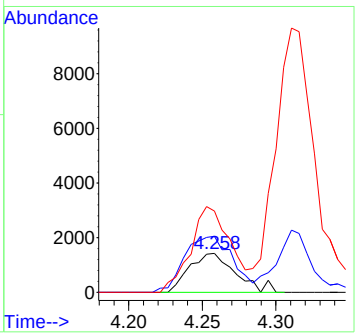


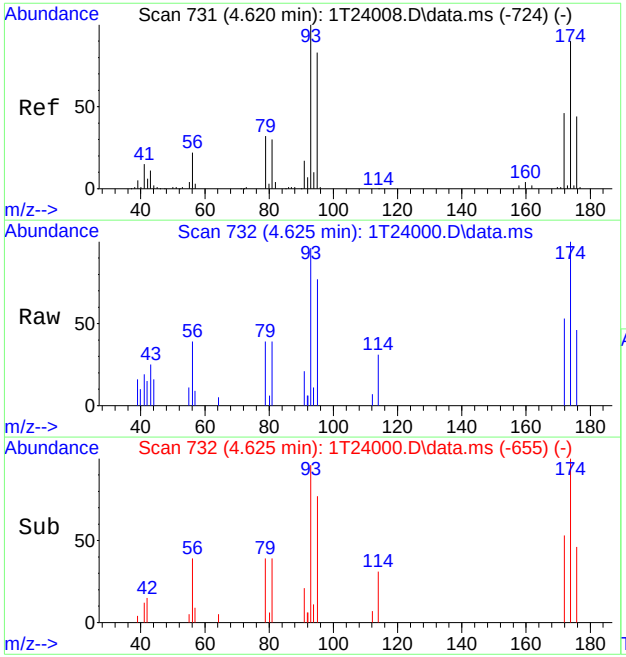


#65
methylcyclohexane
Concen: 1.30 ug/L
RT: 4.258 min Scan# 662
Delta R.T. 0.006 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion: 98 Resp: 3101

Ion	Ratio	Lower	Upper
98	100		
55	99.9	102.6	162.6#
83	157.1	188.2	188.2#

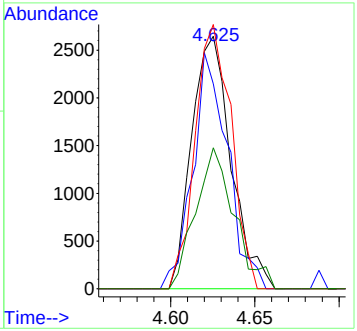


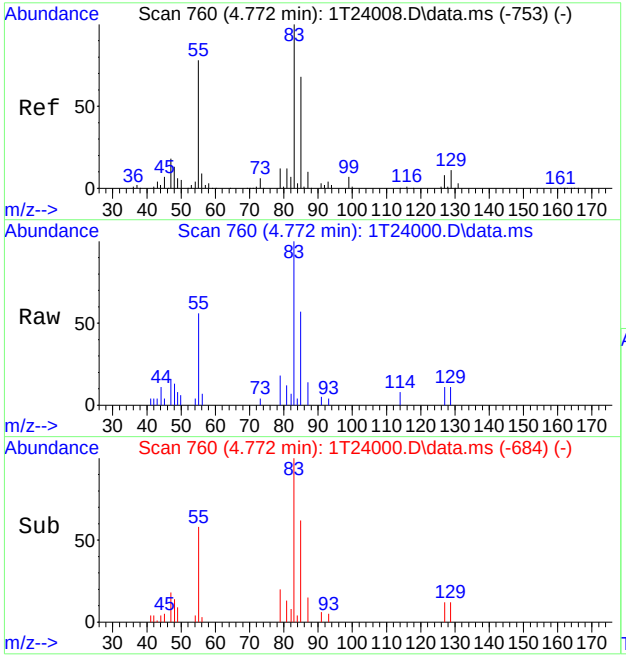


#66
dibromomethane
Concen: 1.62 ug/L
RT: 4.625 min Scan# 732
Delta R.T. 0.006 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion: 93 Resp: 4311

Ion	Ratio	Lower	Upper
93	100		
95	81.1	53.3	113.3
174	104.7	59.6	119.6
172	55.9	26.5	66.5

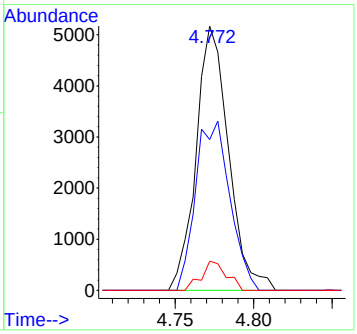


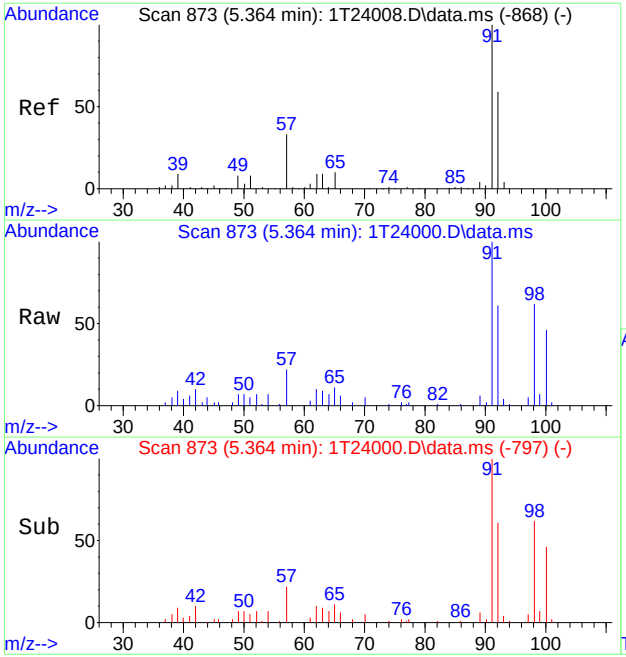


#67
bromodichloromethane
Concen: 1.58 ug/L
RT: 4.772 min Scan# 760
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion: 83 Resp: 7452

Ion	Ratio	Lower	Upper
83	100		
85	57.0	38.0	98.0
127	11.1	0.0	38.3

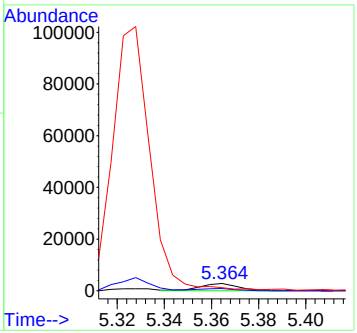


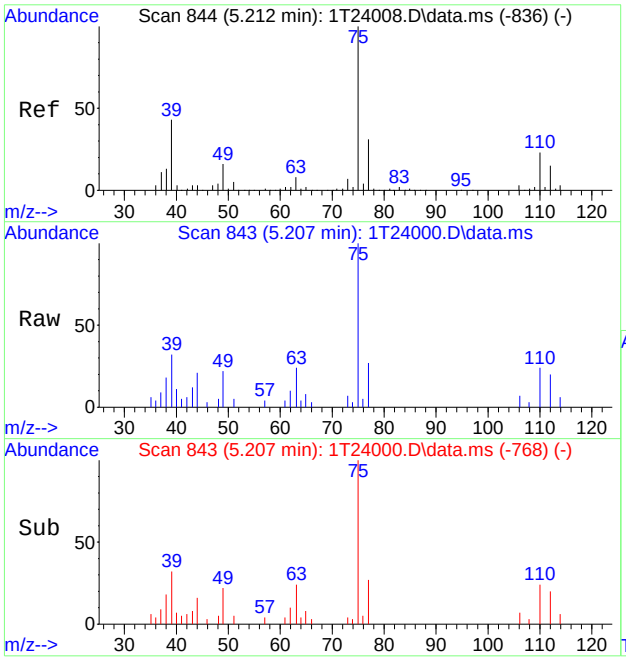


#68
epichlorohydrin
Concen: 6.84 ug/L
RT: 5.364 min Scan# 873
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion: 57 Resp: 3207

Ion	Ratio	Lower	Upper
57	100		
49	30.3	5.6	45.6
42	19.5	0.0	29.5

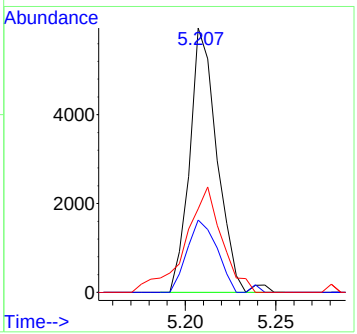


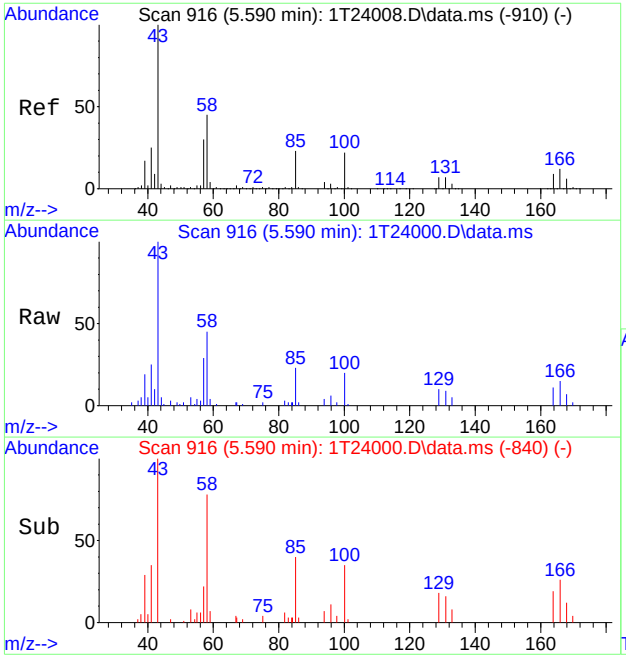


#69
cis-1,3-dichloropropene
Concen: 1.50 ug/L
RT: 5.207 min Scan# 843
Delta R.T. -0.005 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion: 75 Resp: 6276

Ion	Ratio	Lower	Upper
75	100		
77	27.4	1.4	61.4
39	31.6	13.3	73.3

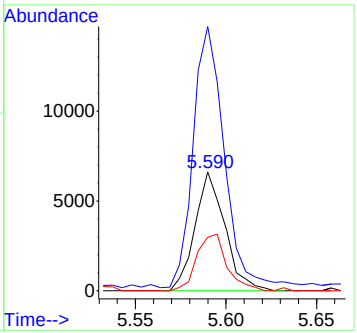


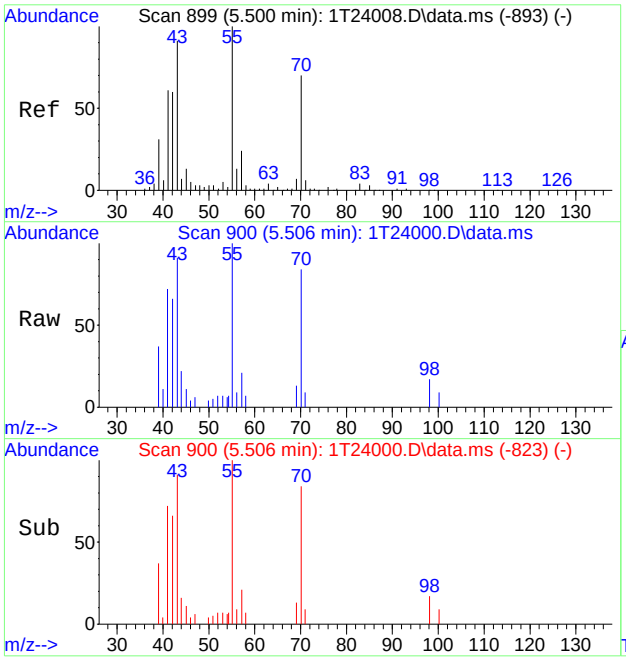


#70
4-methyl-2-pentanone
Concen: 5.92 ug/L
RT: 5.590 min Scan# 916
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion: 58 Resp: 7585

Ion	Ratio	Lower	Upper
58	100		
43	220.1	192.2	252.2
100	45.0	18.2	78.2

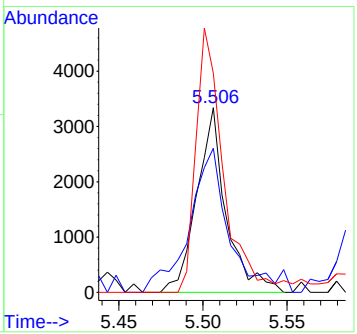


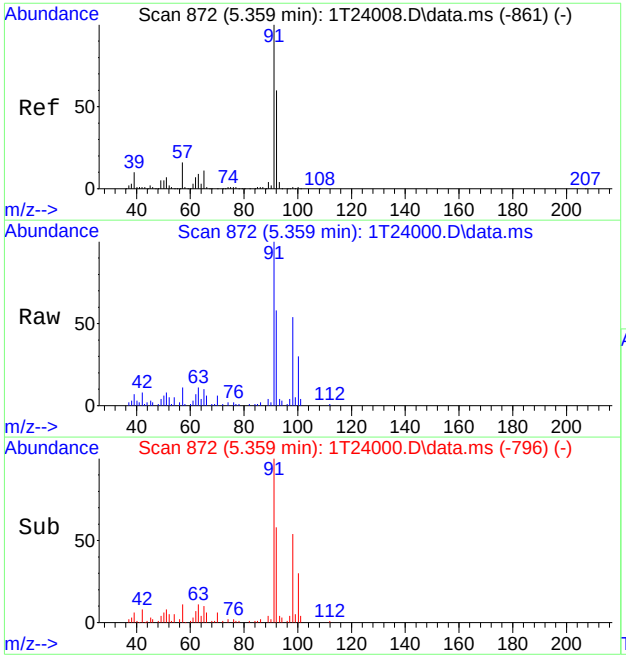


#71
3-methyl-1-butanol
Concen: 35.88 ug/L
RT: 5.506 min Scan# 900
Delta R.T. 0.006 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion: 70 Resp: 4071

Ion	Ratio	Lower	Upper
70	100		
42	65.9	54.9	114.9
55	118.8	112.0	172.0

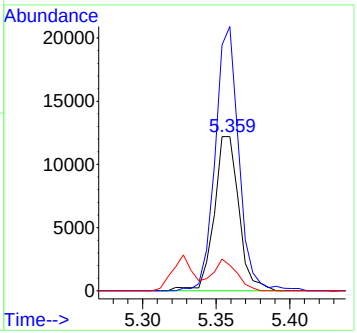


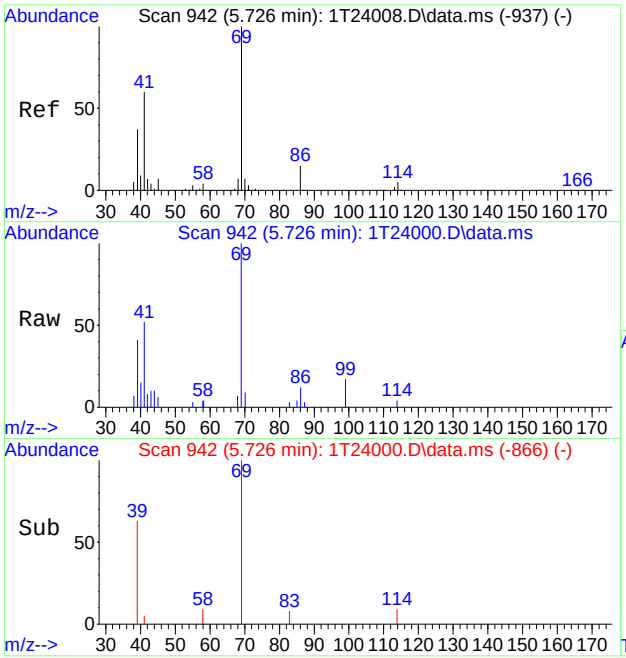


#74
toluene
Concen: 1.75 ug/L
RT: 5.359 min Scan# 872
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion: 92 Resp: 14235

Ion	Ratio	Lower	Upper
92	100		
91	171.5	147.9	187.9
65	16.5	0.0	38.0

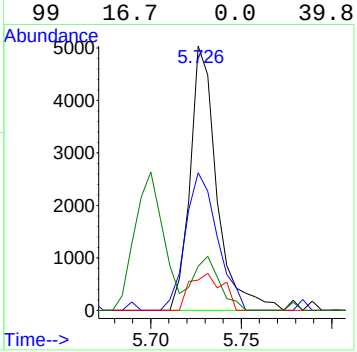


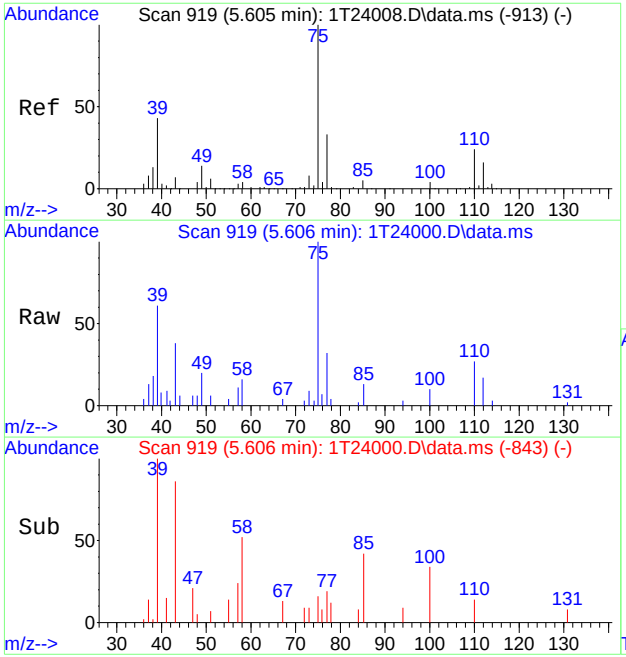


#75
ethyl methacrylate
Concen: 1.52 ug/L
RT: 5.726 min Scan# 942
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion: 69 Resp: 5178

Ion	Ratio	Lower	Upper
69	100		
41	52.1	40.2	80.2
86	11.5	0.0	35.4
99	16.7	0.0	39.8

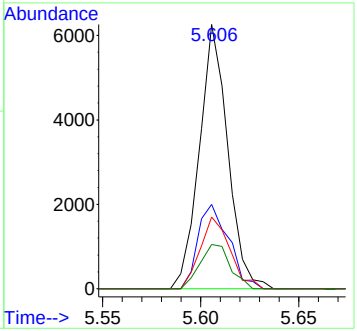


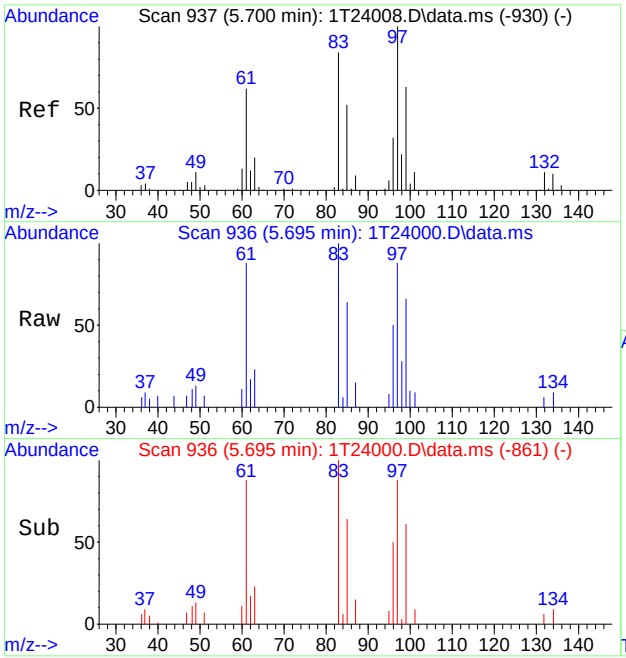


#76
trans-1,3-dichloropropene
Concen: 1.33 ug/L
RT: 5.606 min Scan# 919
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion: 75 Resp: 6311

Ion	Ratio	Lower	Upper
75	100		
77	31.9	12.7	52.7
110	27.1	4.1	44.1
112	16.8	0.0	35.6

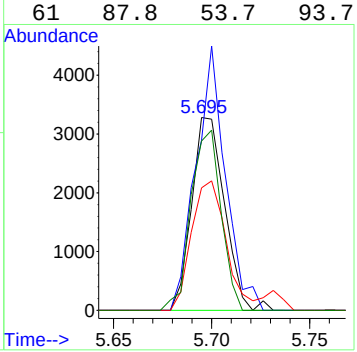


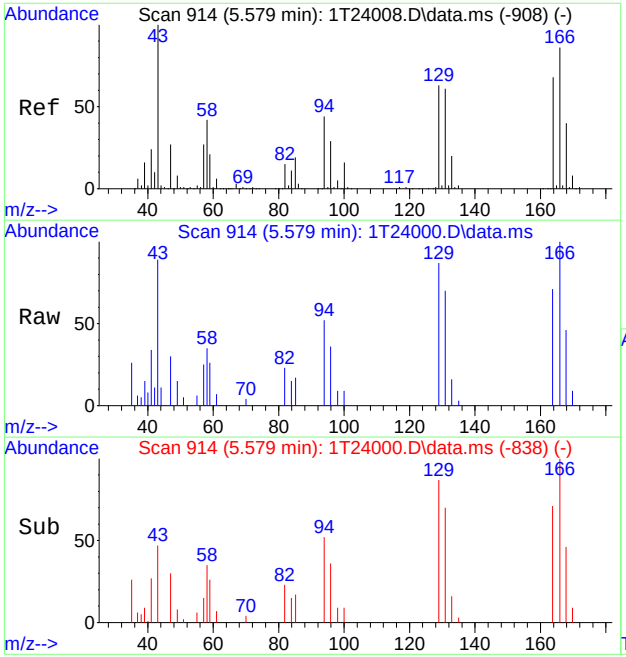


#77
1,1,2-trichloroethane
Concen: 1.63 ug/L
RT: 5.695 min Scan# 936
Delta R.T. -0.005 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion: 83 Resp: 3823

Ion	Ratio	Lower	Upper
83	100		
97	88.2	98.8	138.8#
85	63.6	41.6	81.6
61	87.8	53.7	93.7

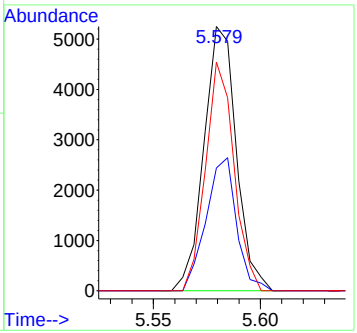


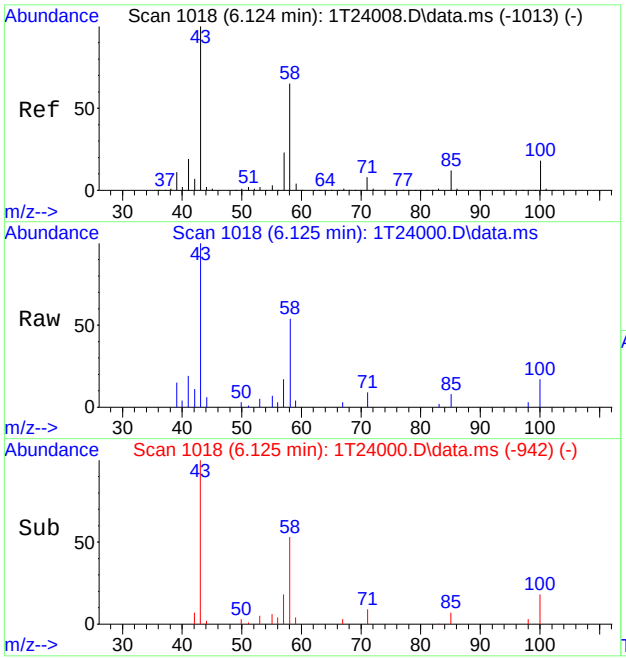


#78
tetrachloroethene
Concen: 1.64 ug/L
RT: 5.579 min Scan# 914
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion:166 Resp: 5539

Ion	Ratio	Lower	Upper
166	100		
168	46.4	16.8	76.8
129	86.5	43.9	103.9

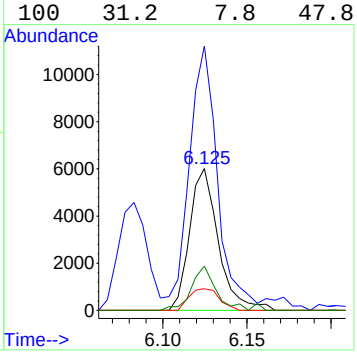


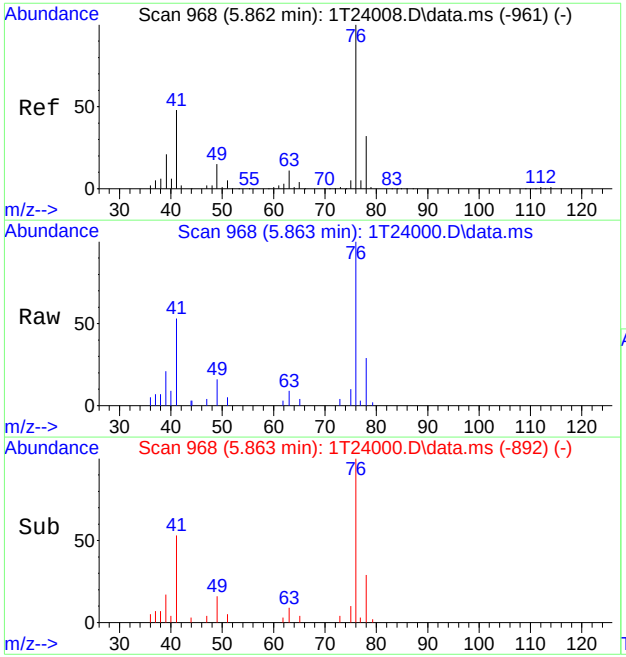


#79
2-hexanone
Concen: 5.97 ug/L
RT: 6.125 min Scan# 1018
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion: 58 Resp: 7142

Ion	Ratio	Lower	Upper
58	100		
43	177.8	139.1	179.1
85	15.2	0.0	38.1
100	31.2	7.8	47.8

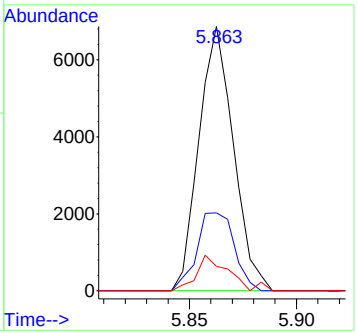


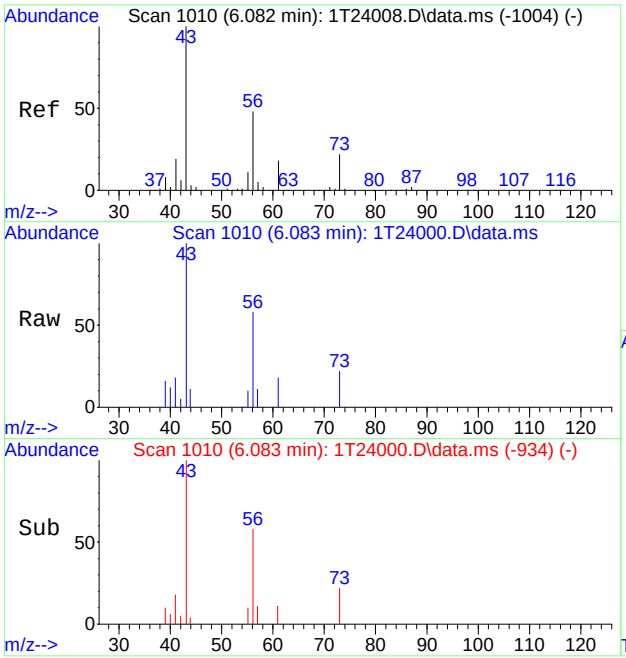


#80
1,3-dichloropropane
Concen: 1.60 ug/L
RT: 5.863 min Scan# 968
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion: 76 Resp: 7712

Ion	Ratio	Lower	Upper
76	100		
78	29.5	2.1	62.1
63	9.2	0.0	40.7

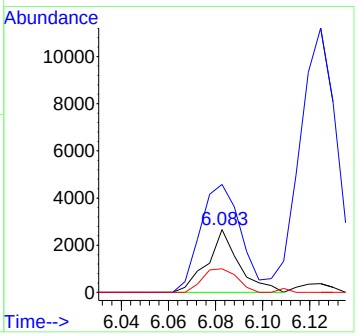


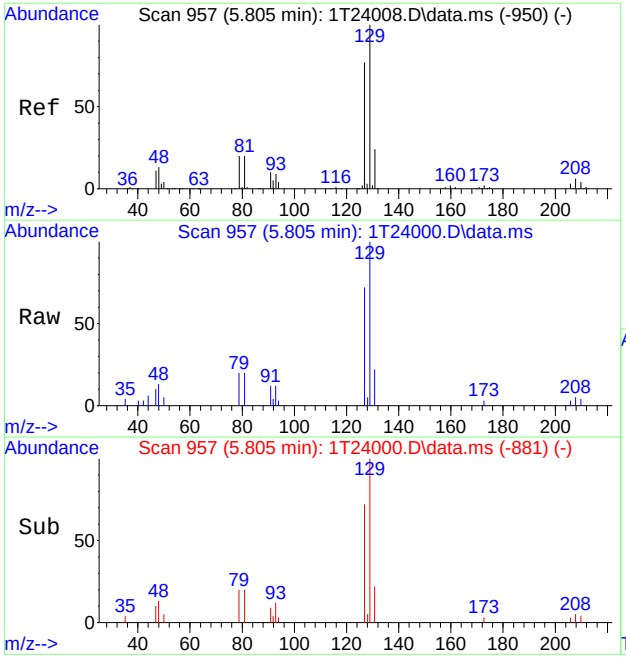


#81
butyl acetate
Concen: 1.46 ug/L
RT: 6.083 min Scan# 1010
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion: 56 Resp: 2498

Ion	Ratio	Lower	Upper
56	100		
43	171.8	177.8	237.8#
73	37.7	16.2	76.2

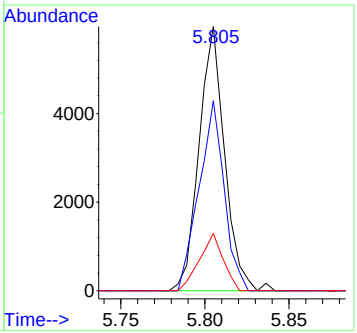


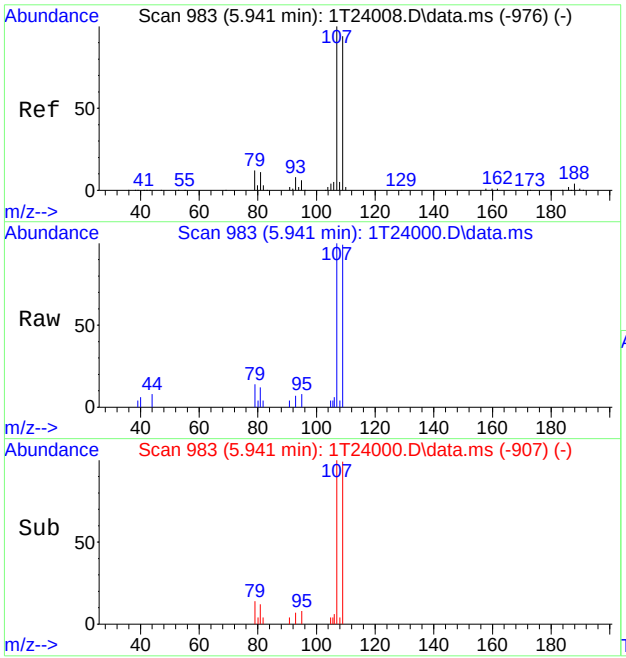


#82
dibromochloromethane
Concen: 1.78 ug/L
RT: 5.805 min Scan# 957
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion:129 Resp: 6320

Ion	Ratio	Lower	Upper
129	100		
127	71.9	47.5	107.5
131	21.7	0.0	54.1

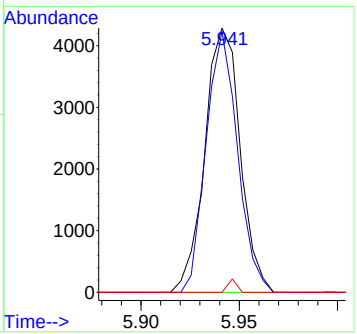


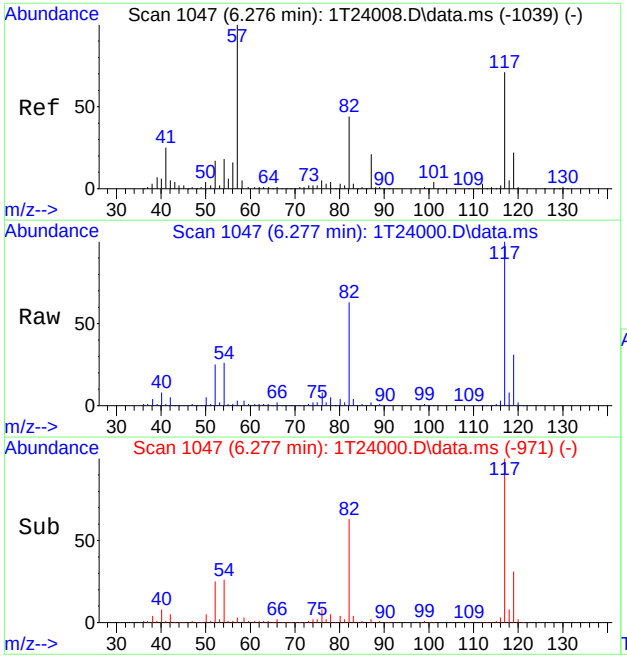


#83
1,2-dibromoethane
Concen: 1.75 ug/L
RT: 5.941 min Scan# 983
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion:107 Resp: 5383

Ion	Ratio	Lower	Upper
107	100		
109	98.7	64.0	124.0
188	0.0	0.0	33.9

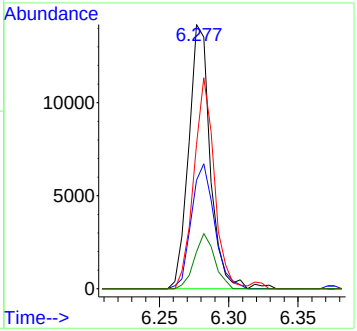


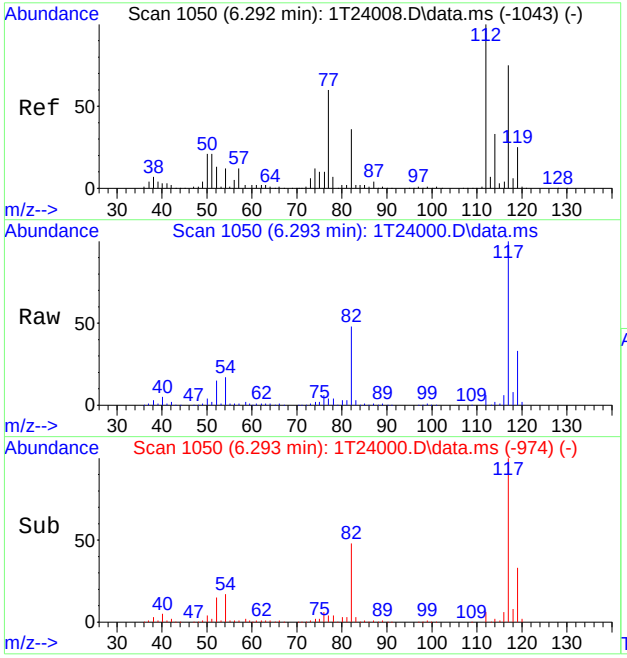


#84
n-butyl ether
Concen: 1.43 ug/L
RT: 6.277 min Scan# 1047
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion: 57 Resp: 15434

Ion	Ratio	Lower	Upper
57	100		
56	41.1	0.0	46.4
87	54.6	0.0	51.4#
101	14.0	0.0	34.3

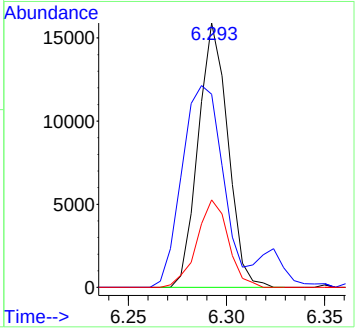


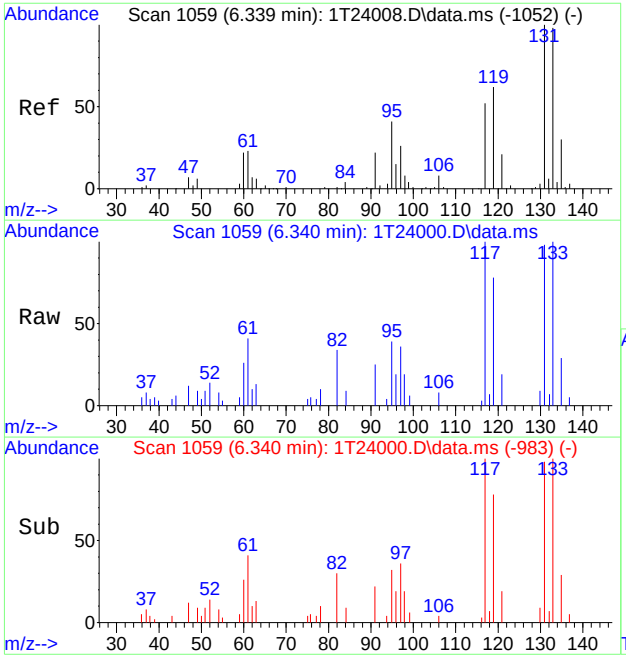


#85
chlorobenzene
Concen: 1.76 ug/L
RT: 6.293 min Scan# 1050
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion:112 Resp: 16765

Ion	Ratio	Lower	Upper
112	100		
77	70.6	29.6	89.6
114	33.1	3.1	63.1

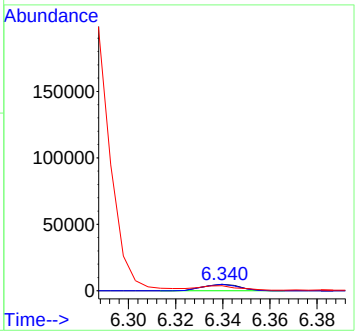


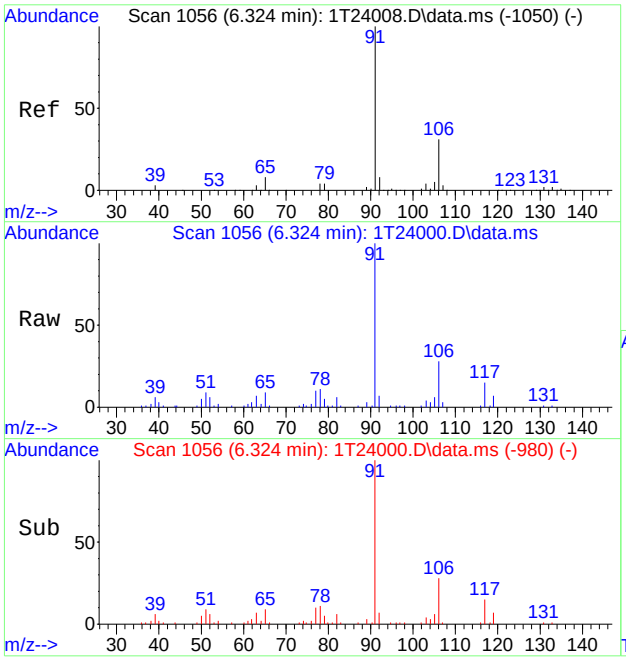


#86
1,1,1,2-tetrachloroethane
Concen: 1.67 ug/L
RT: 6.340 min Scan# 1059
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion:131 Resp: 5334

Ion	Ratio	Lower	Upper
131	100		
133	102.3	67.5	127.5
119	67.8	36.1	96.1

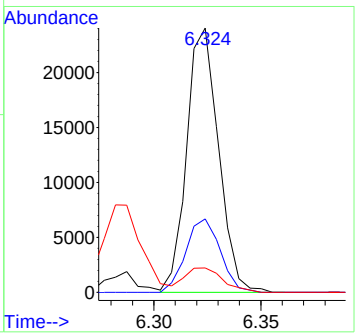


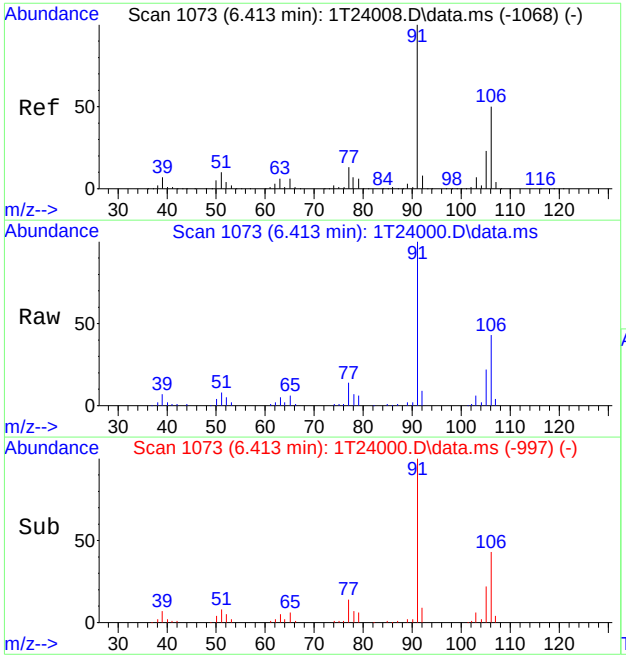


#87
ethylbenzene
Concen: 1.64 ug/L
RT: 6.324 min Scan# 1056
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion: 91 Resp: 24928

Ion	Ratio	Lower	Upper
91	100		
106	27.8	1.3	61.3
51	9.3	0.0	39.0

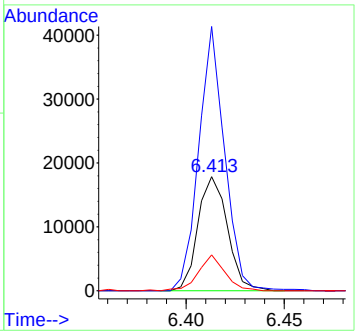


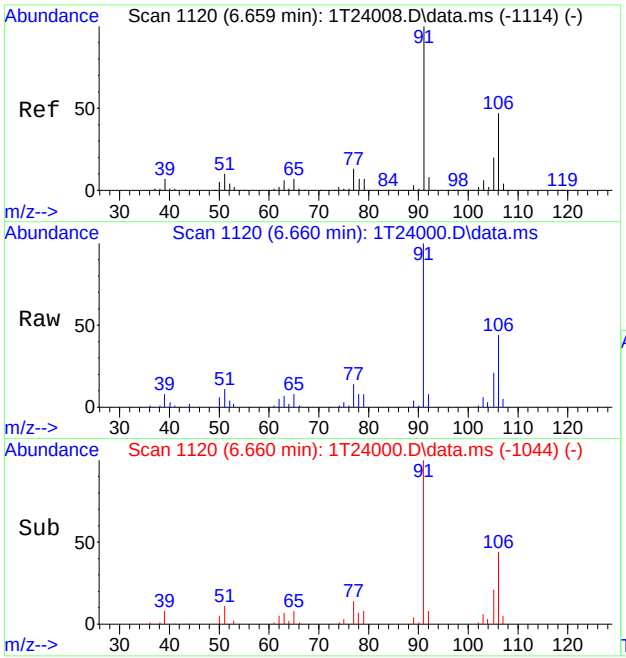


#88
m,p-xylene
Concen: 3.31 ug/L
RT: 6.413 min Scan# 1073
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion:106 Resp: 18710

Ion	Ratio	Lower	Upper
106	100		
91	231.6	169.8	229.8#
77	31.4	6.7	46.7

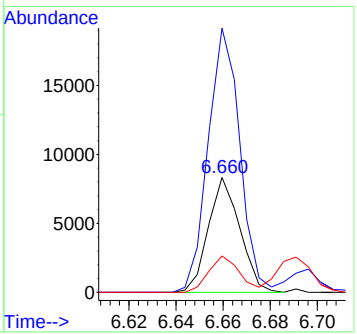


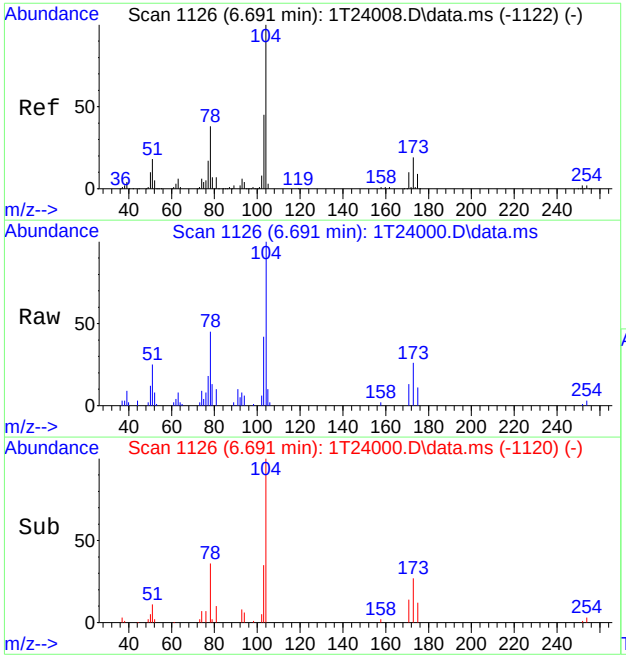


#89
o-xylene
Concen: 1.41 ug/L
RT: 6.660 min Scan# 1120
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion:106 Resp: 7770

Ion	Ratio	Lower	Upper
106	100		
91	229.9	181.7	241.7
77	31.8	6.5	46.5

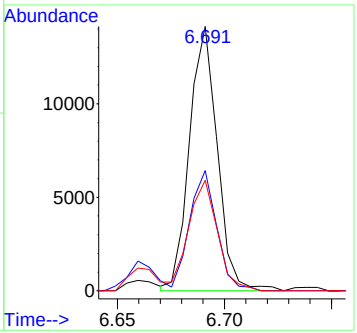


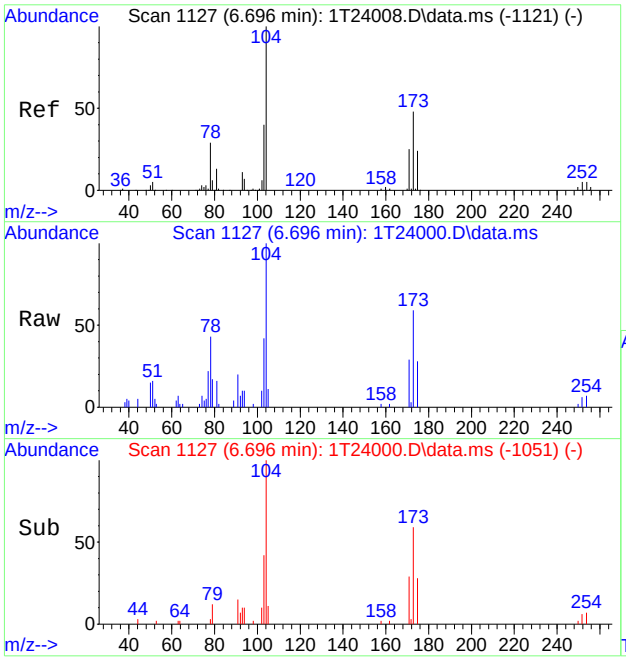


#90
styrene
Concen: 1.54 ug/L
RT: 6.691 min Scan# 1126
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion:104 Resp: 12834

Ion	Ratio	Lower	Upper
104	100		
78	45.5	9.6	69.6
103	41.8	16.5	76.5

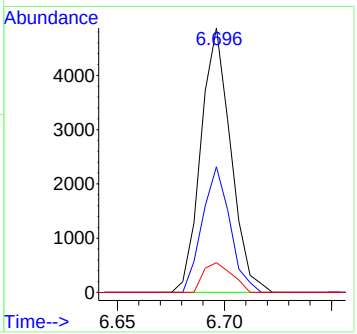


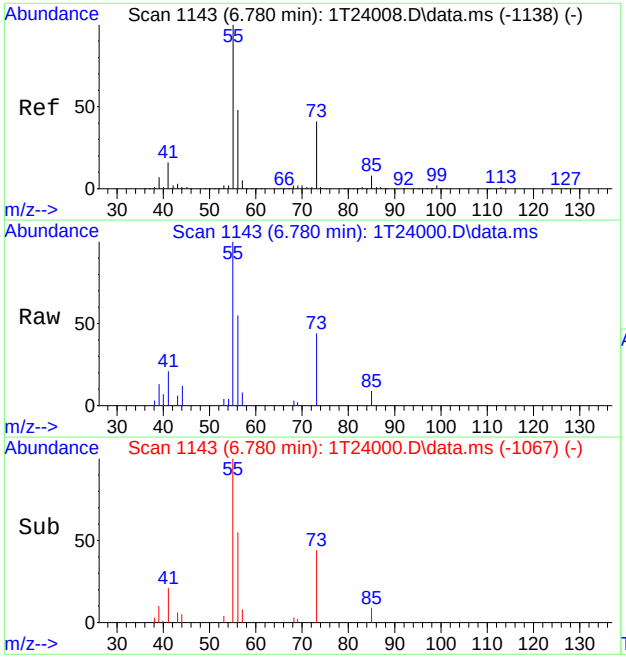


#91
bromoform
Concen: 1.68 ug/L
RT: 6.696 min Scan# 1127
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion:173 Resp: 4732

Ion	Ratio	Lower	Upper
173	100		
175	47.5	19.5	79.5
254	11.2	0.0	40.4

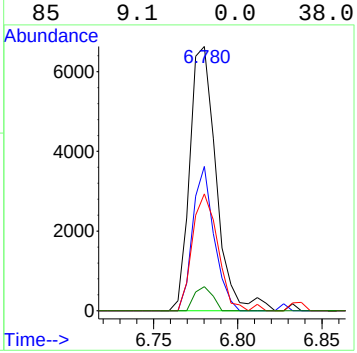


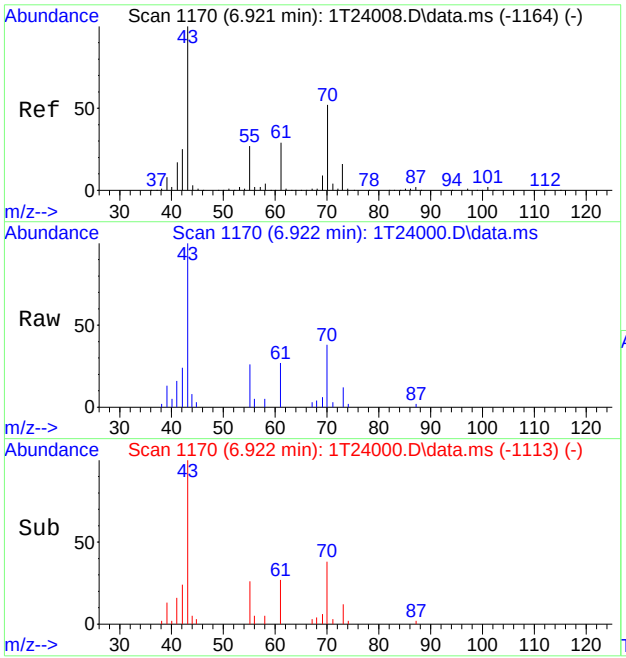


#92
butyl acrylate
Concen: 1.48 ug/L
RT: 6.780 min Scan# 1143
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion: 55 Resp: 7262

Ion	Ratio	Lower	Upper
55	100		
56	54.6	18.5	78.5
73	44.3	10.6	70.6
85	9.1	0.0	38.0

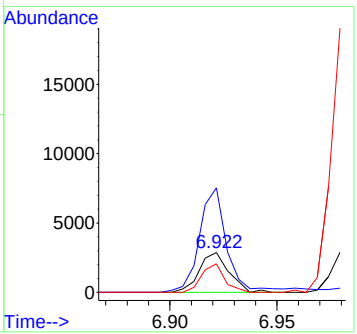


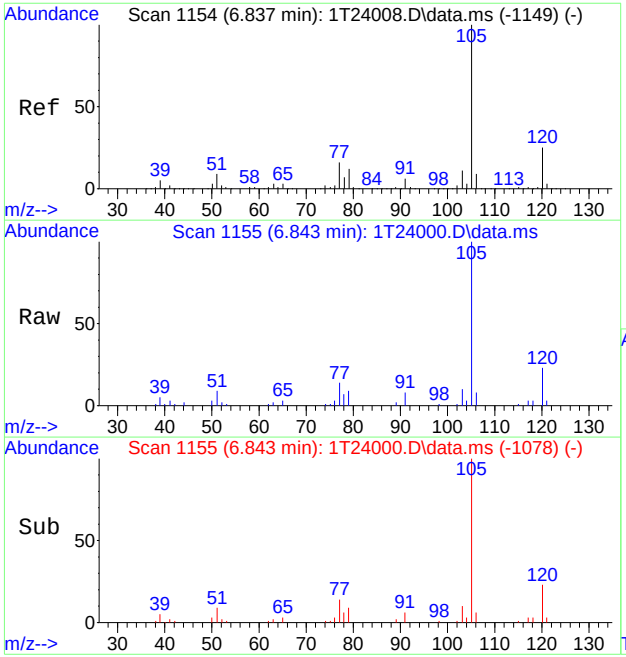


#93
n-amyl acetate
Concen: 1.29 ug/L
RT: 6.922 min Scan# 1170
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion: 70 Resp: 2781

Ion	Ratio	Lower	Upper
70	100		
43	262.9	171.9	211.9#
61	71.9	35.4	75.4

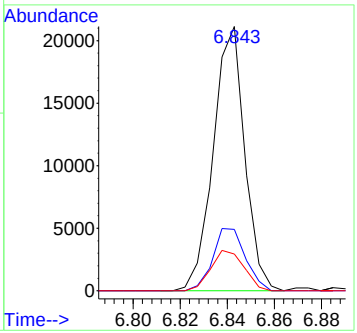


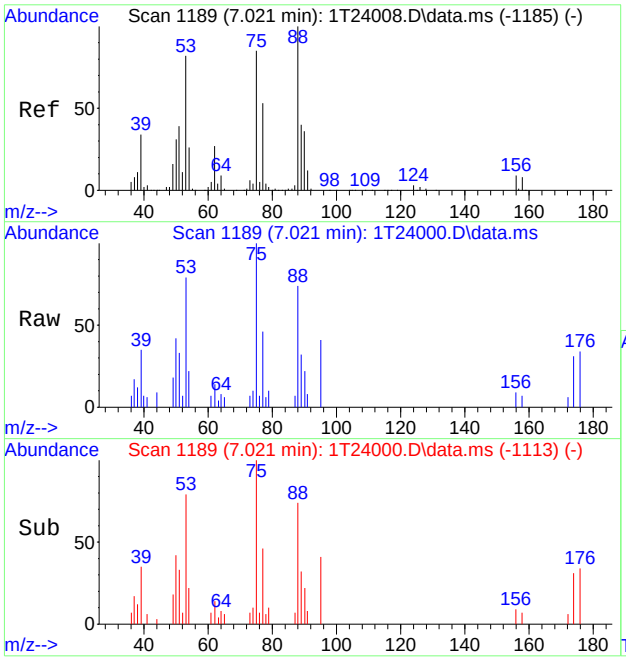


#94
isopropylbenzene
Concen: 1.46 ug/L
RT: 6.843 min Scan# 1155
Delta R.T. 0.006 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion:105 Resp: 19590

Ion	Ratio	Lower	Upper
105	100		
120	23.2	5.3	45.3
77	13.9	0.0	36.1

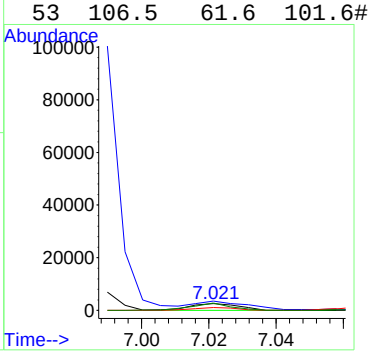


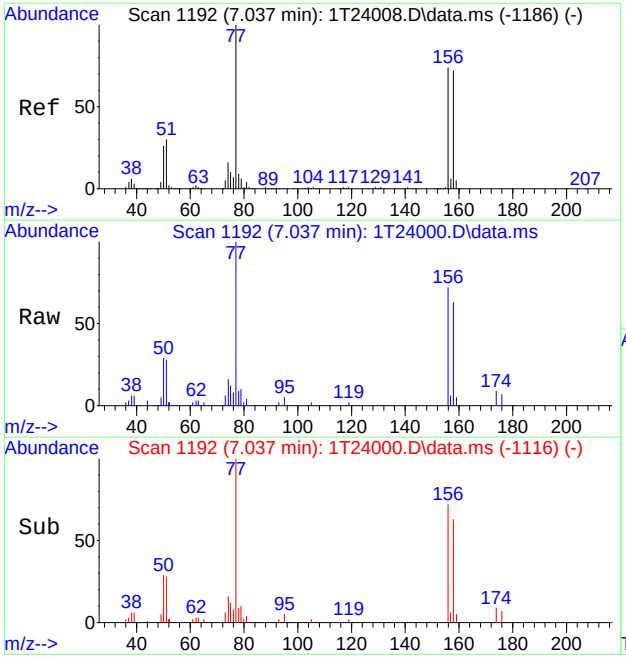


#95
cis-1,4-dichloro-2-butene
Concen: 1.55 ug/L
RT: 7.021 min Scan# 1189
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion: 88 Resp: 2626

Ion	Ratio	Lower	Upper
88	100		
75	122.3	67.1	107.1#
89	43.1	19.7	59.7
53	106.5	61.6	101.6#

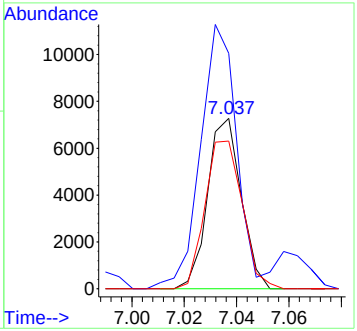


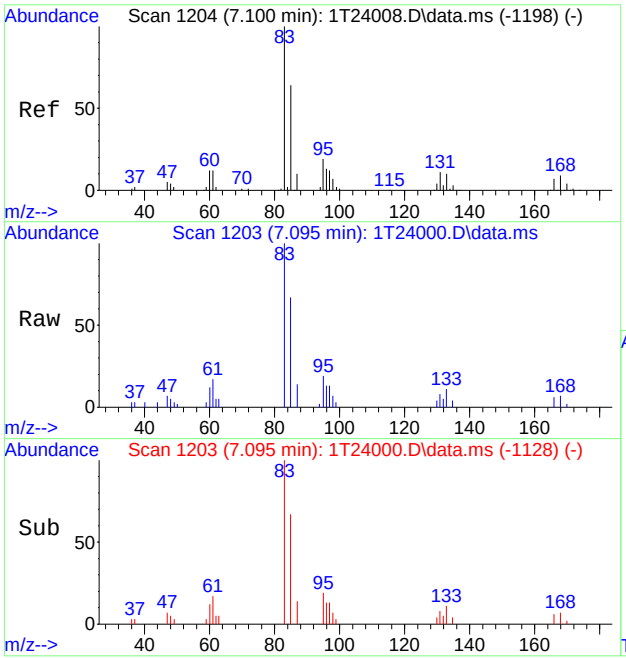


#98
bromobenzene
Concen: 1.59 ug/L
RT: 7.037 min Scan# 1192
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion:156 Resp: 6504

Ion	Ratio	Lower	Upper
156	100		
77	134.5	104.6	164.6
158	86.6	67.1	127.1

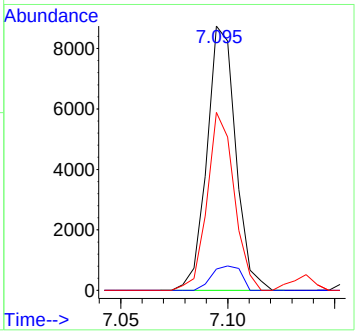


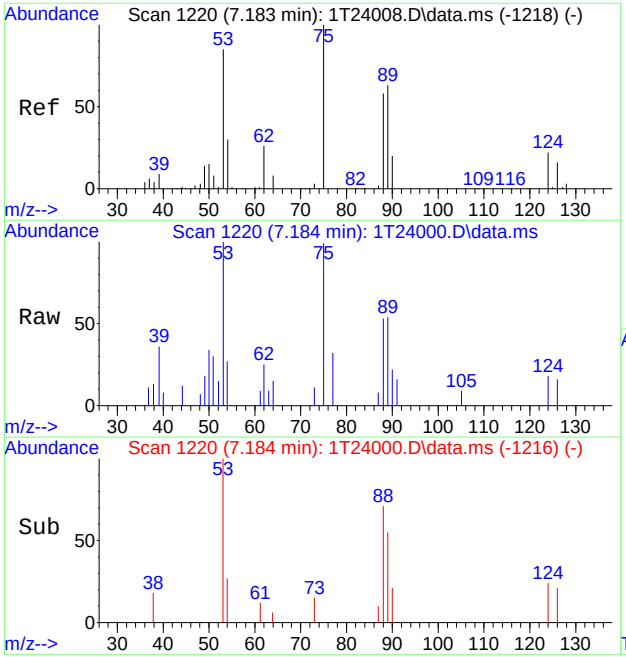


#99
1,1,2,2-tetrachloroethane
Concen: 1.62 ug/L
RT: 7.095 min Scan# 1203
Delta R.T. -0.005 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion: 83 Resp: 8184

Ion	Ratio	Lower	Upper
83	100		
131	8.1	0.0	40.9
85	67.3	34.4	94.4

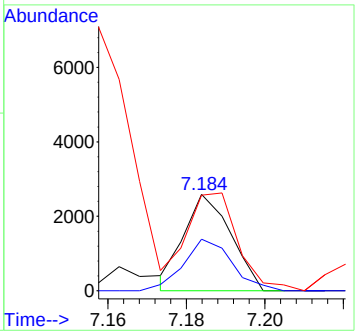


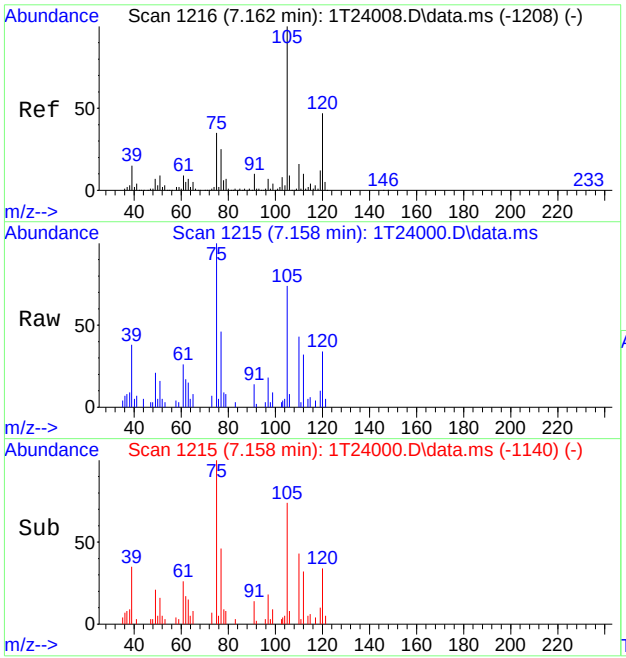


#100
trans-1,4-dichloro-2-butene
Concen: 1.74 ug/L
RT: 7.184 min Scan# 1220
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion: 53 Resp: 2147

Ion	Ratio	Lower	Upper
53	100		
88	53.5	29.6	89.6
75	93.2	97.1	157.1#

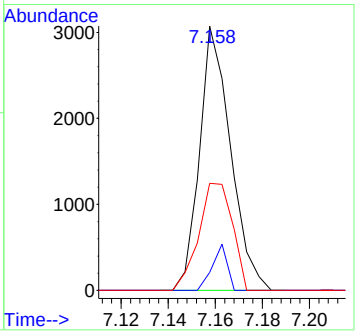


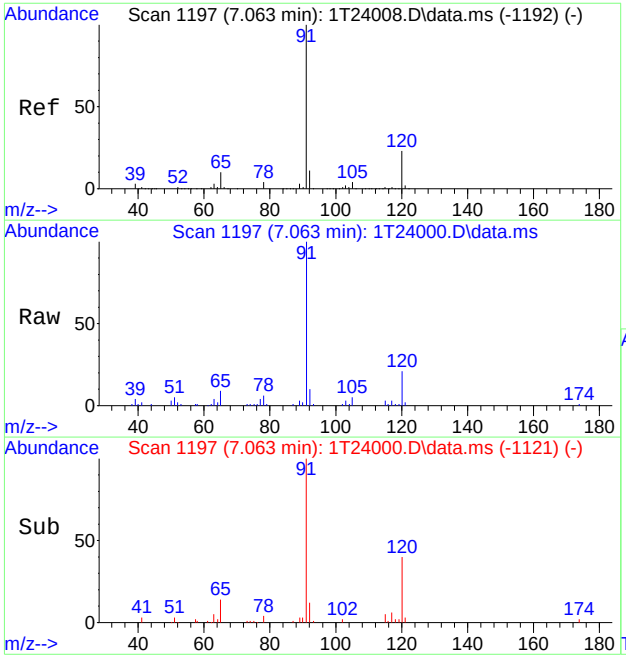


#101
1,2,3-trichloropropane
Concen: 1.58 ug/L
RT: 7.158 min Scan# 1215
Delta R.T. -0.005 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion:110 Resp: 2819

Ion	Ratio	Lower	Upper
110	100		
111	6.9	0.0	39.0
97	40.6	15.1	75.1

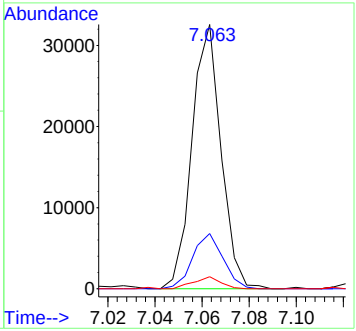


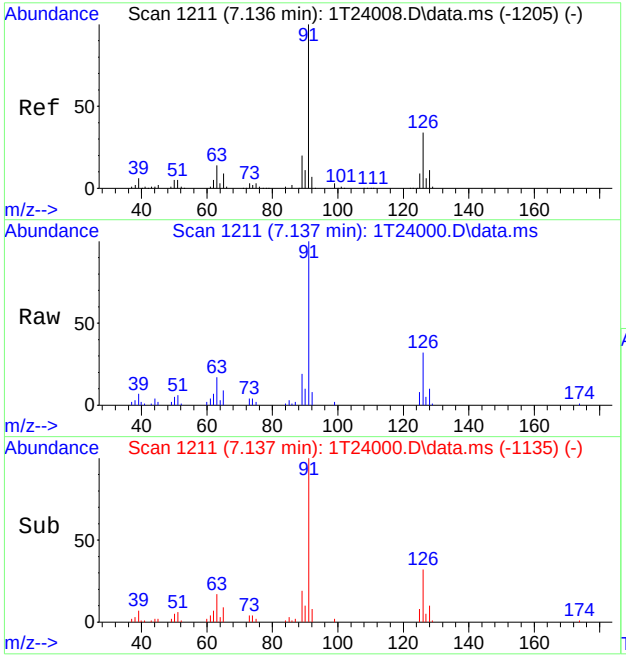


#102
n-propylbenzene
Concen: 1.62 ug/L
RT: 7.063 min Scan# 1197
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion: 91 Resp: 27933

Ion	Ratio	Lower	Upper
91	100		
120	21.0	0.0	53.1
105	4.6	0.0	33.9

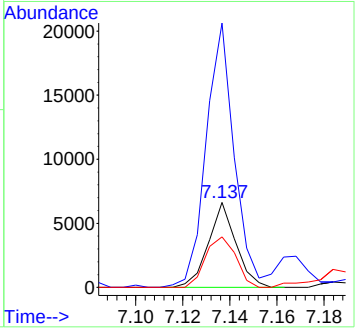


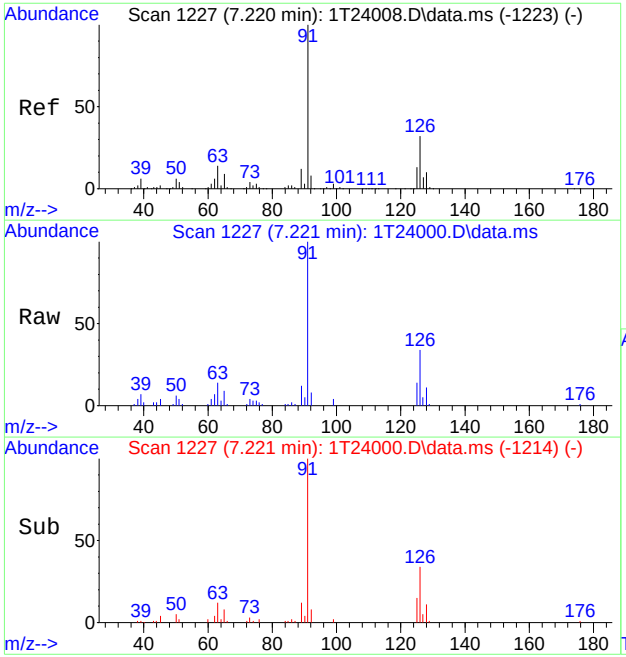


#103
2-chlorotoluene
Concen: 1.50 ug/L
RT: 7.137 min Scan# 1211
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion:126 Resp: 5399

Ion	Ratio	Lower	Upper
126	100		
91	311.7	263.0	323.0
89	59.4	27.6	87.6

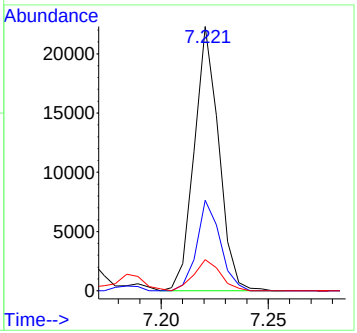


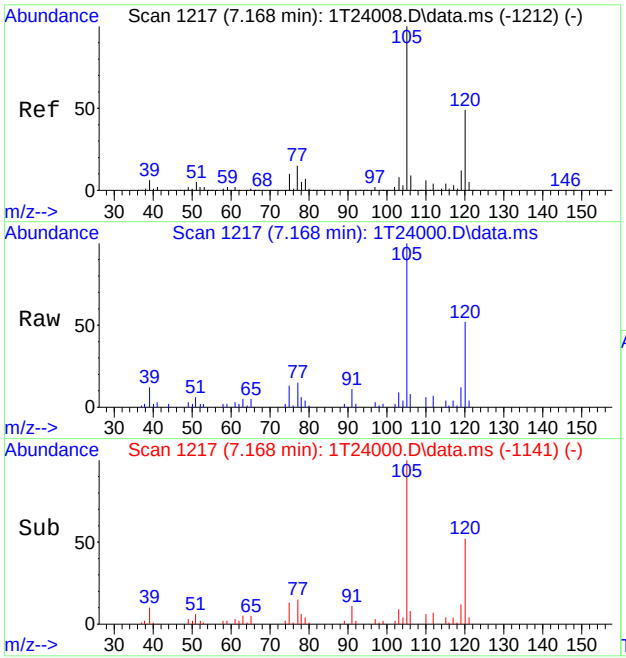


#104
4-chlorotoluene
Concen: 1.62 ug/L
RT: 7.221 min Scan# 1227
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion: 91 Resp: 17812

Ion	Ratio	Lower	Upper
91	100		
126	34.3	2.2	62.2
89	11.7	0.0	42.5

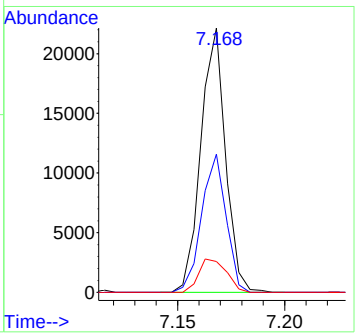


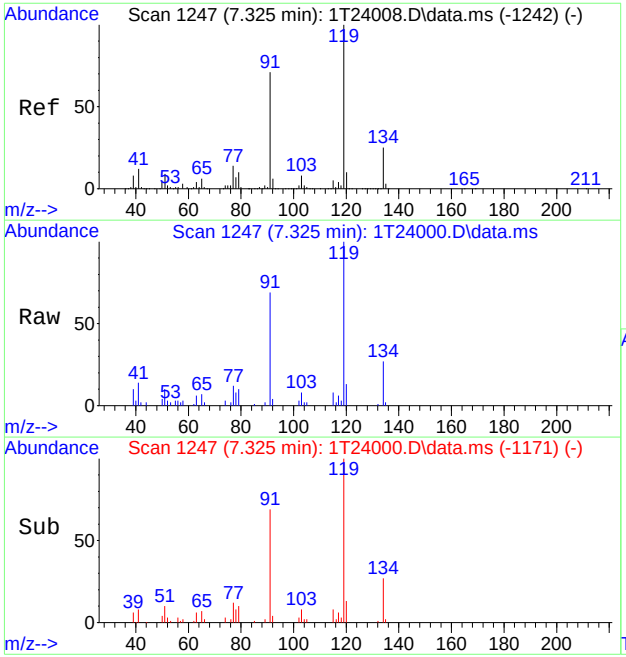


#105
1,3,5-trimethylbenzene
Concen: 1.53 ug/L
RT: 7.168 min Scan# 1217
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion:105 Resp: 17762

Ion	Ratio	Lower	Upper
105	100		
120	52.3	19.0	79.0
119	11.7	0.0	42.2

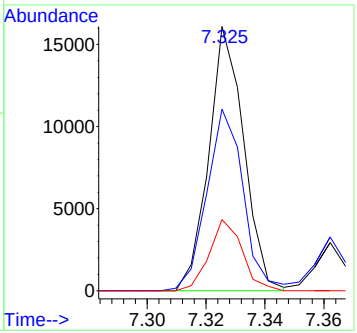


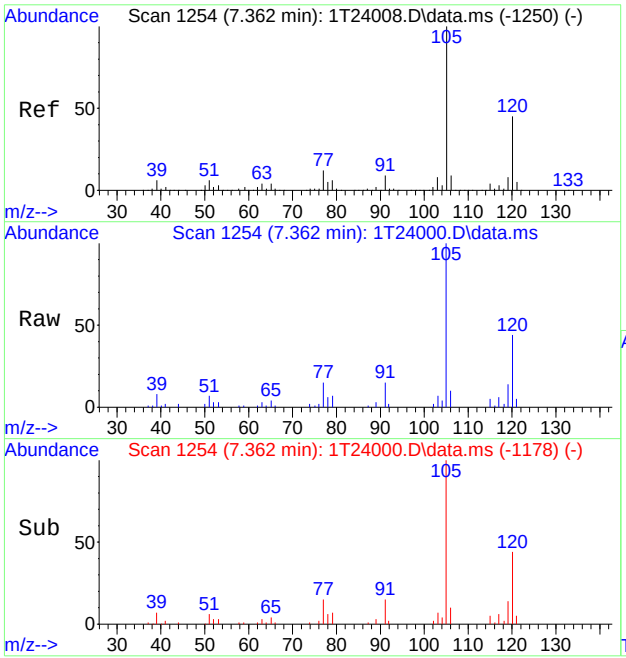


#106
tert-butylbenzene
Concen: 1.47 ug/L
RT: 7.325 min Scan# 1247
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion:119 Resp: 13343

Ion	Ratio	Lower	Upper
119	100		
91	68.6	40.9	100.9
134	26.9	0.0	54.5

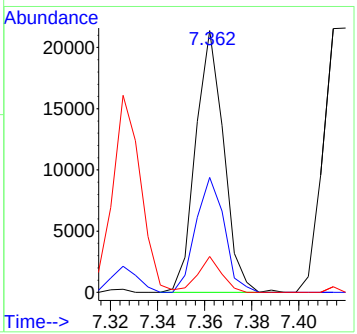


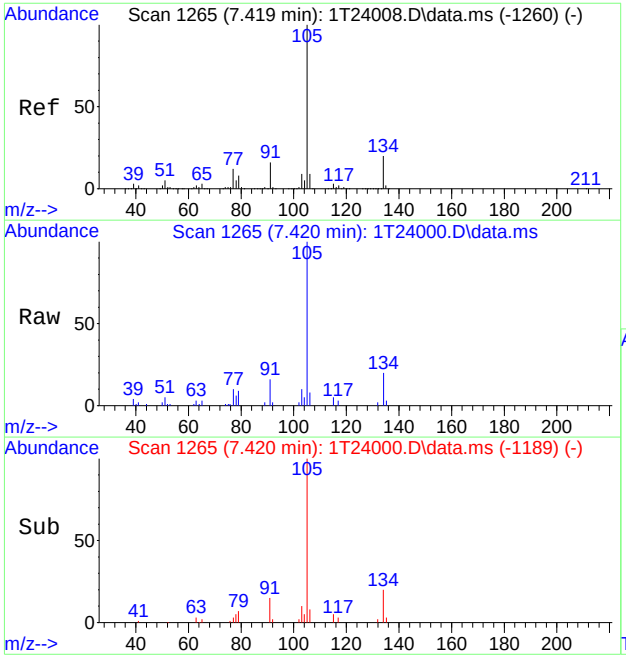


#107
1,2,4-trimethylbenzene
Concen: 1.53 ug/L
RT: 7.362 min Scan# 1254
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion:105 Resp: 17726

Ion	Ratio	Lower	Upper
105	100		
120	43.8	15.8	75.8
119	13.7	0.0	42.2

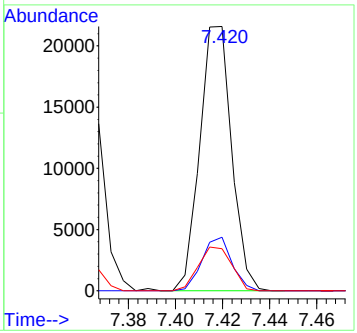


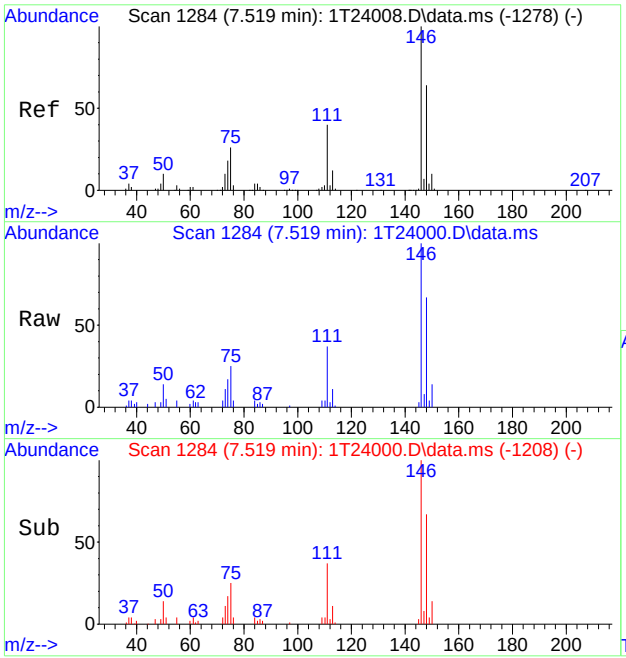


#108
sec-butylbenzene
Concen: 1.60 ug/L
RT: 7.420 min Scan# 1265
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion:105 Resp: 20385

Ion	Ratio	Lower	Upper
105	100		
134	20.2	0.0	50.4
91	15.9	0.0	45.8

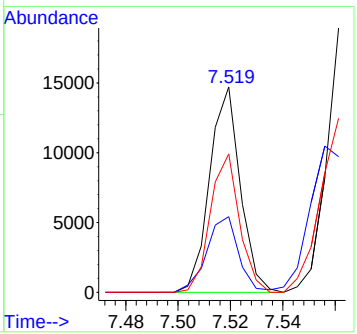


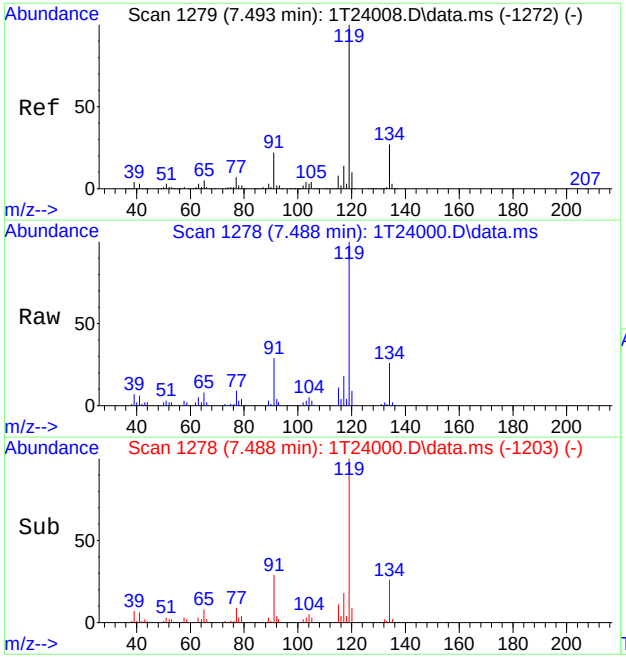


#109
1,3-dichlorobenzene
Concen: 1.62 ug/L
RT: 7.519 min Scan# 1284
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion:146 Resp: 11992

Ion	Ratio	Lower	Upper
146	100		
111	36.9	9.6	69.6
148	67.4	33.7	93.7

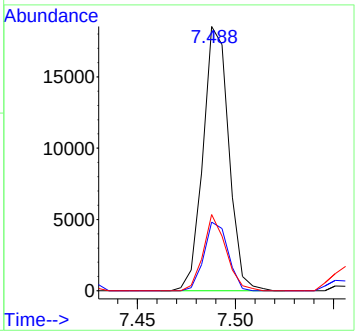


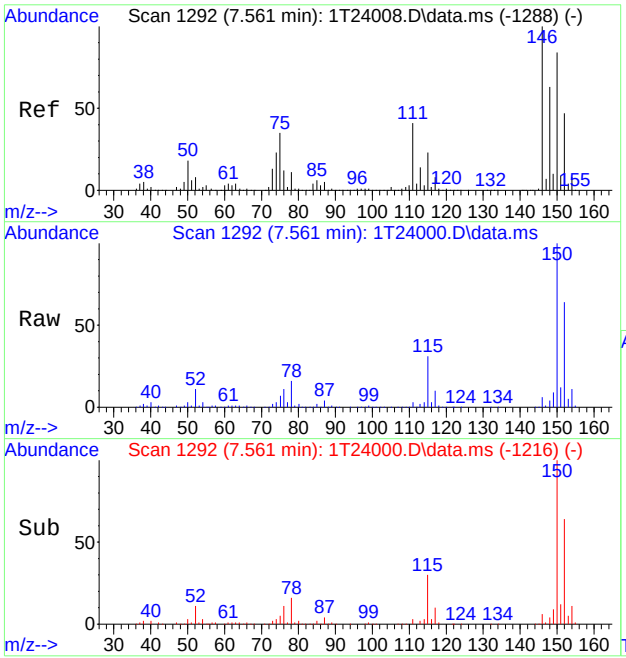


#110
p-isopropyltoluene
Concen: 1.56 ug/L
RT: 7.488 min Scan# 1278
Delta R.T. -0.005 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion:119 Resp: 16924

Ion	Ratio	Lower	Upper
119	100		
134	26.0	0.0	56.8
91	28.8	0.0	52.2

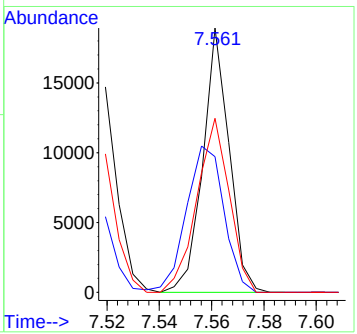


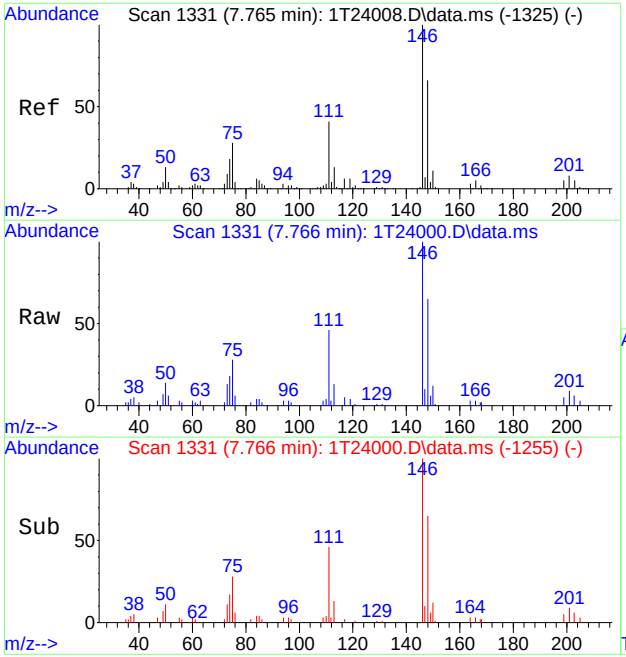


#111
1,4-dichlorobenzene
Concen: 1.58 ug/L
RT: 7.561 min Scan# 1292
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion:146 Resp: 13293

Ion	Ratio	Lower	Upper
146	100		
111	51.3	10.8	70.8
148	65.8	33.2	93.2

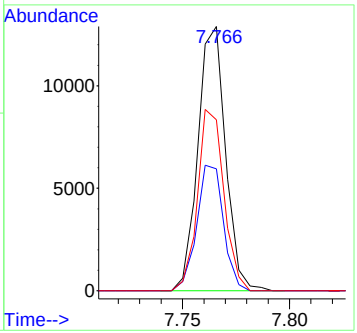


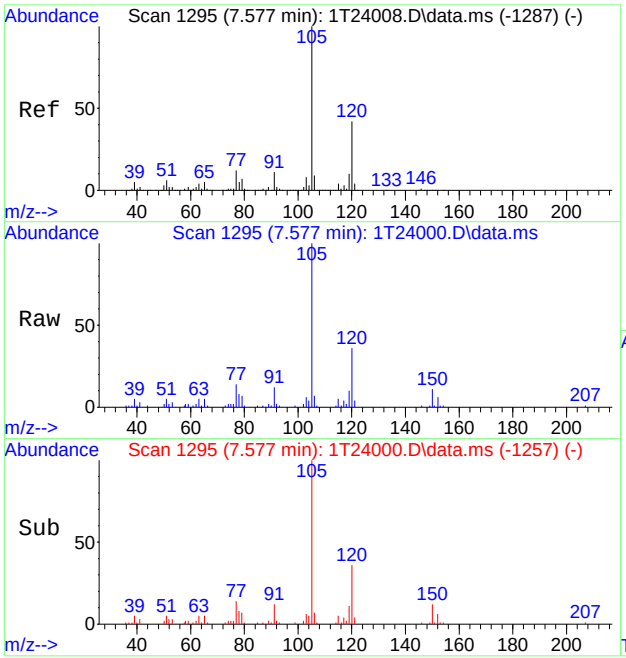


#112
1,2-dichlorobenzene
Concen: 1.60 ug/L
RT: 7.766 min Scan# 1331
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion:146 Resp: 11573

Ion	Ratio	Lower	Upper
146	100		
111	46.2	11.3	71.3
148	64.7	36.2	96.2

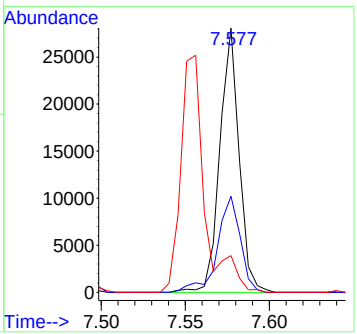


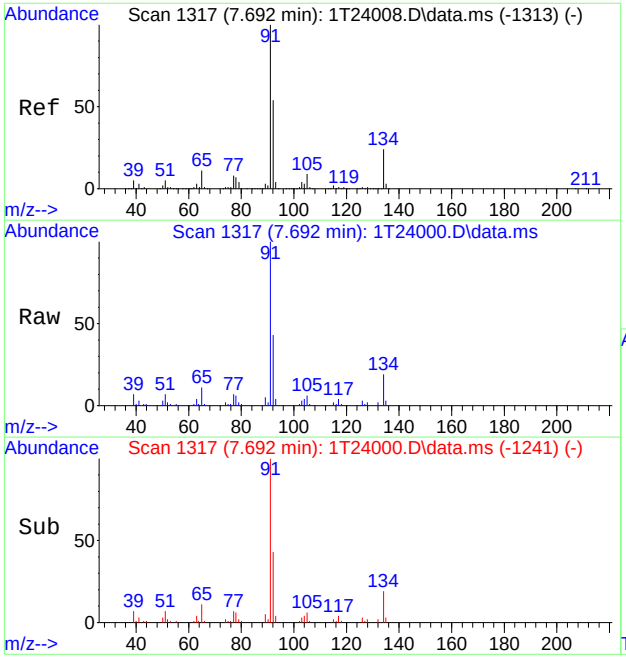


#113
1,2,3-trimethylbenzene
Concen: 1.62 ug/L
RT: 7.577 min Scan# 1295
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion:105 Resp: 22442

Ion	Ratio	Lower	Upper
105	100		
120	36.4	12.2	72.2
77	13.9	0.0	41.7

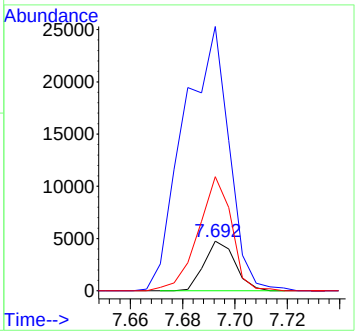


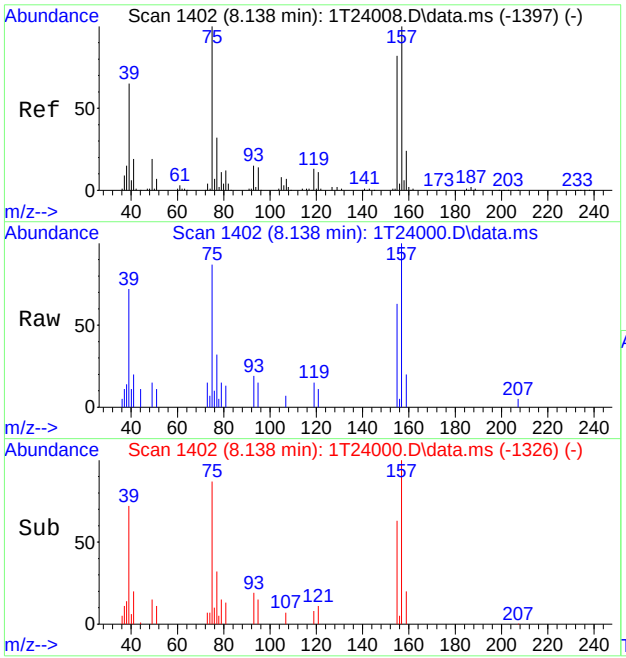


#114
n-butylbenzene
Concen: 1.42 ug/L
RT: 7.692 min Scan# 1317
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion:134 Resp: 3938

Ion	Ratio	Lower	Upper
134	100		
91	527.1	429.9	489.9#
92	229.8	199.0	259.0

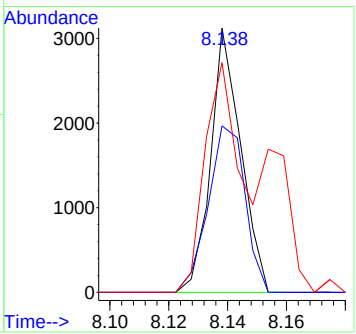


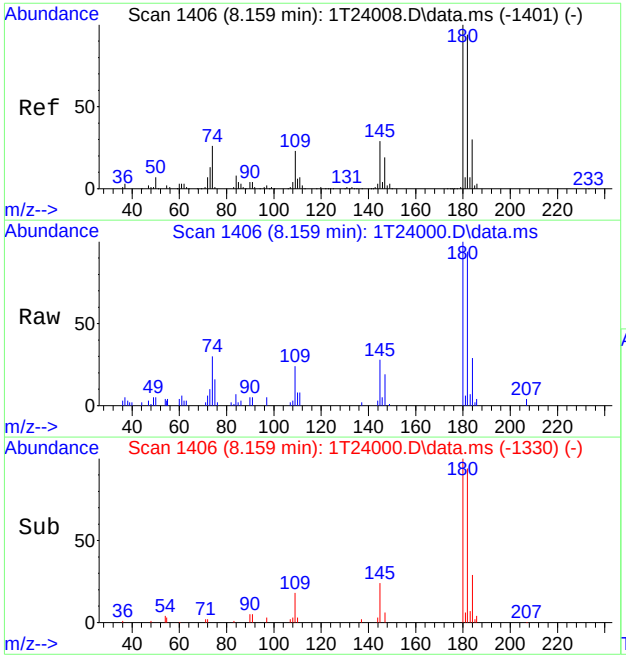


#115
1,2-dibromo-3-chloropropane
Concen: 1.45 ug/L
RT: 8.138 min Scan# 1402
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion:157 Resp: 2220

Ion	Ratio	Lower	Upper
157	100		
155	62.9	51.9	111.9
75	86.9	70.0	130.0

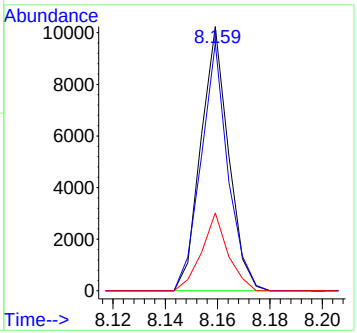


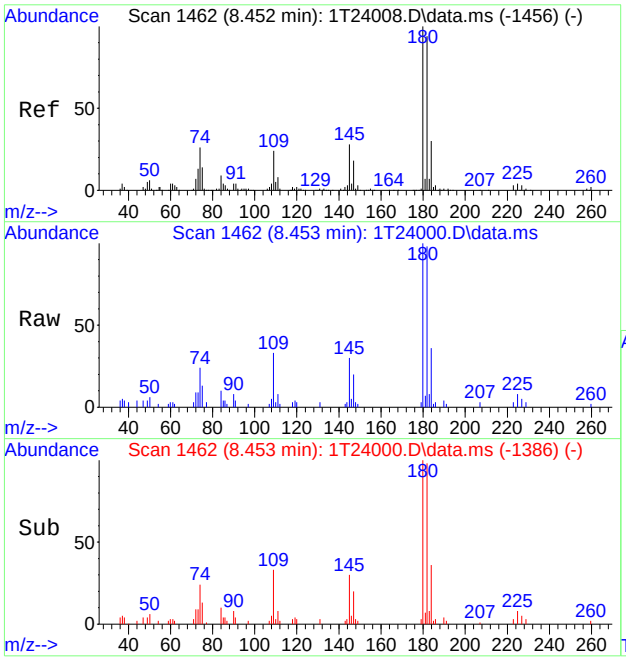


#116
1,3,5-trichlorobenzene
Concen: 1.59 ug/L
RT: 8.159 min Scan# 1406
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion:180 Resp: 7548

Ion	Ratio	Lower	Upper
180	100		
182	93.7	73.5	113.5
184	29.5	10.1	50.1

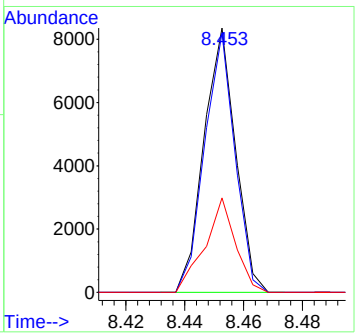


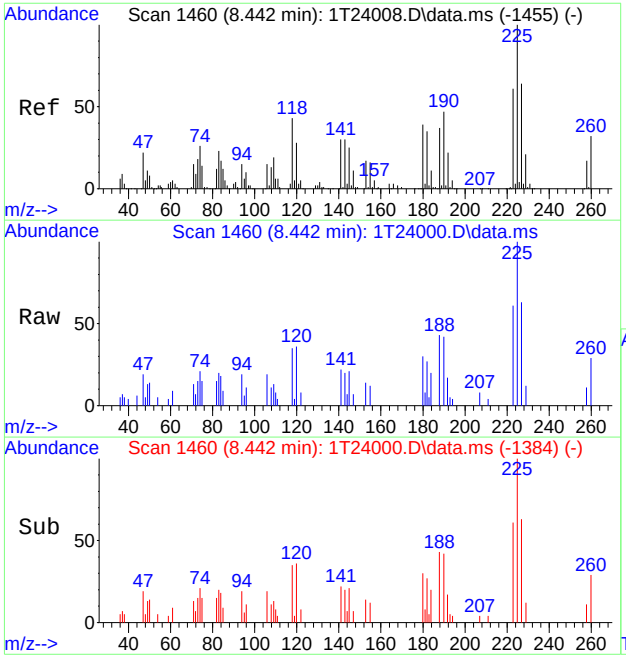


#117
1,2,4-trichlorobenzene
Concen: 1.53 ug/L
RT: 8.453 min Scan# 1462
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion:180 Resp: 6245

Ion	Ratio	Lower	Upper
180	100		
182	98.1	64.0	124.0
184	35.7	0.0	59.7

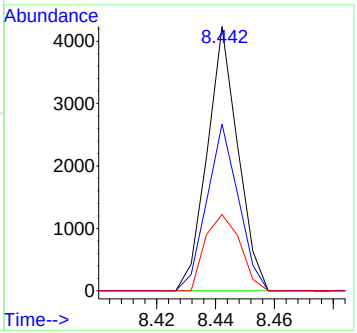


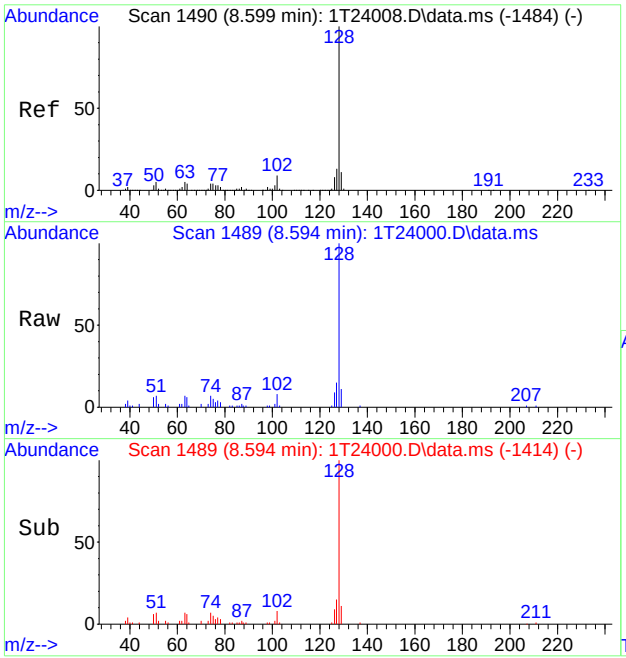


#118
hexachlorobutadiene
Concen: 1.78 ug/L
RT: 8.442 min Scan# 1460
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion:225 Resp: 3082

Ion	Ratio	Lower	Upper
225	100		
227	63.0	34.1	94.1
260	28.9	1.5	61.5

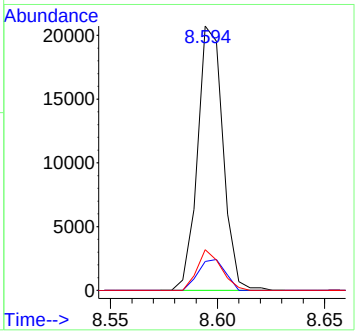


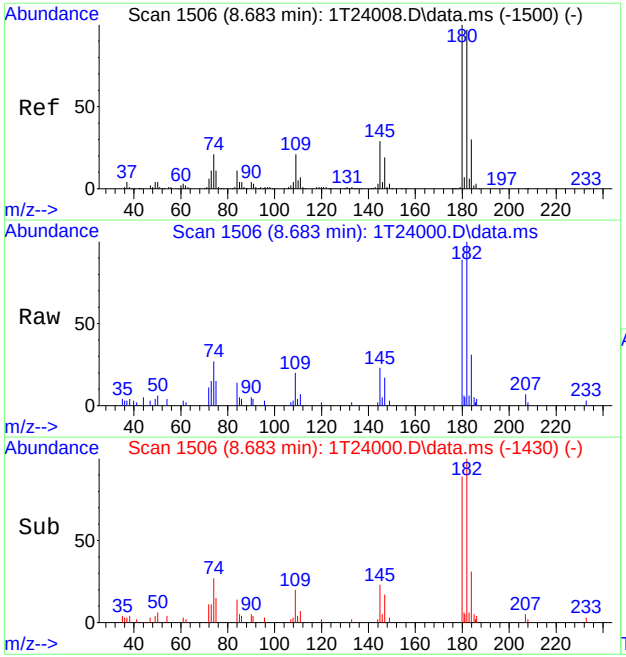


#119
naphthalene
Concen: 1.45 ug/L
RT: 8.594 min Scan# 1489
Delta R.T. -0.005 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion:128 Resp: 17152

Ion	Ratio	Lower	Upper
128	100		
129	11.0	0.0	40.7
127	15.4	0.0	43.4

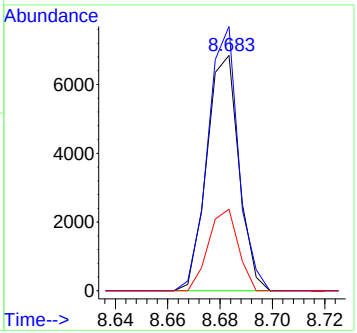


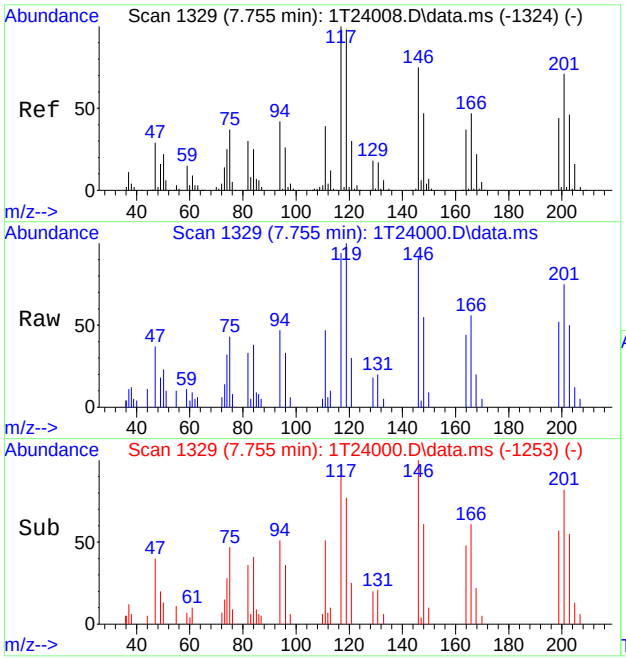


#120
1,2,3-trichlorobenzene
Concen: 1.55 ug/L
RT: 8.683 min Scan# 1506
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion:180 Resp: 5863

Ion	Ratio	Lower	Upper
180	100		
182	112.3	66.5	126.5
184	34.7	0.0	59.6

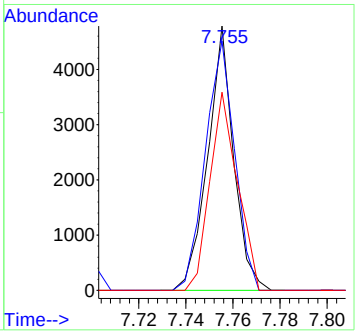


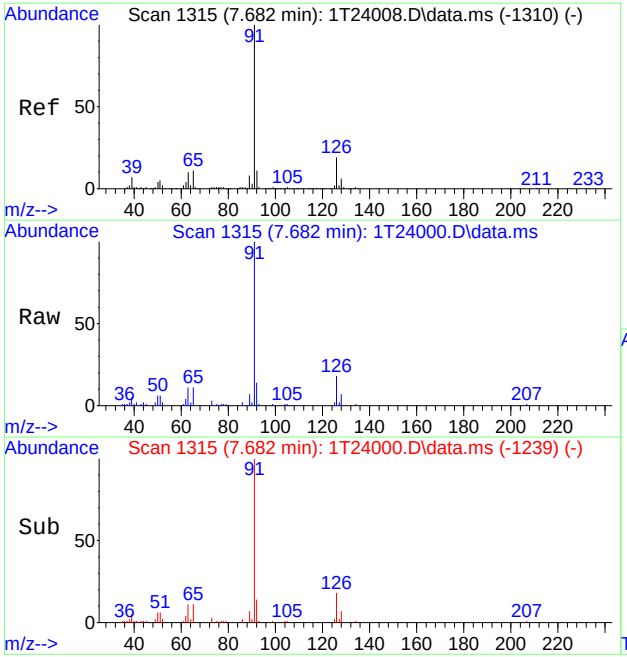


#121
hexachloroethane
Concen: 1.63 ug/L
RT: 7.755 min Scan# 1329
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion:119 Resp: 3669

Ion	Ratio	Lower	Upper
119	100		
117	94.3	71.7	131.7
201	75.0	42.0	102.0

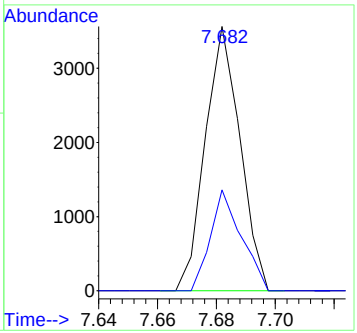




#122
benzyl chloride
Concen: 1.48 ug/L
RT: 7.682 min Scan# 1315
Delta R.T. 0.000 min
Lab File: 1T24000.D
Acq: 18 Sep 2025 11:30 am

Tgt Ion:126 Resp: 2932

Ion	Ratio	Lower	Upper
126	100		
128	38.2	1.7	61.7



7.6.18

7

Manual Integration Approval Summary

Sample Number: V1T579-IC579
Lab FileID: 1T24000.D
Injection Time: 09/18/25 11:30

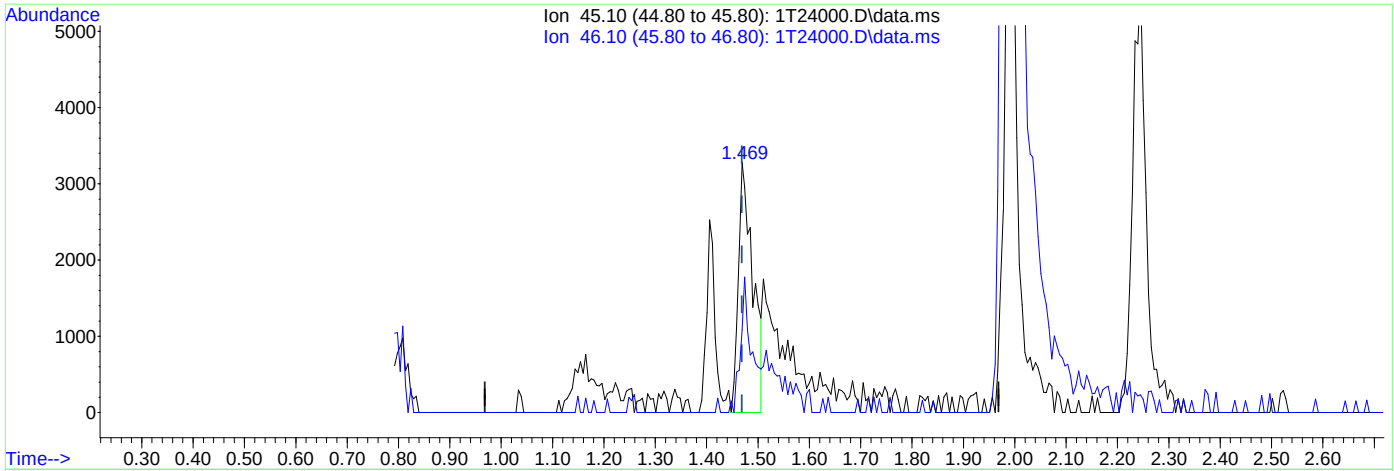
Method: SW846 8260D
Analyst approved: 09/19/25 12:39 MoHui Huang
Supervisor approved: 09/19/25 18:04 Kanya Veerawat

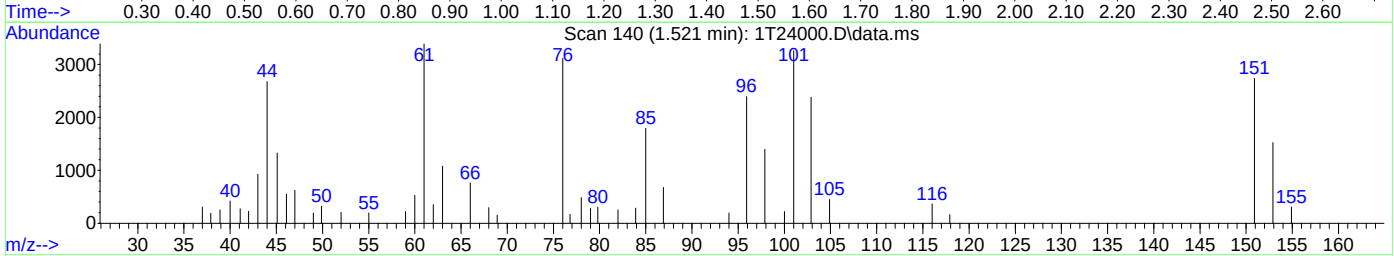
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethanol	64-17-5		1.47	Poor instrument integration

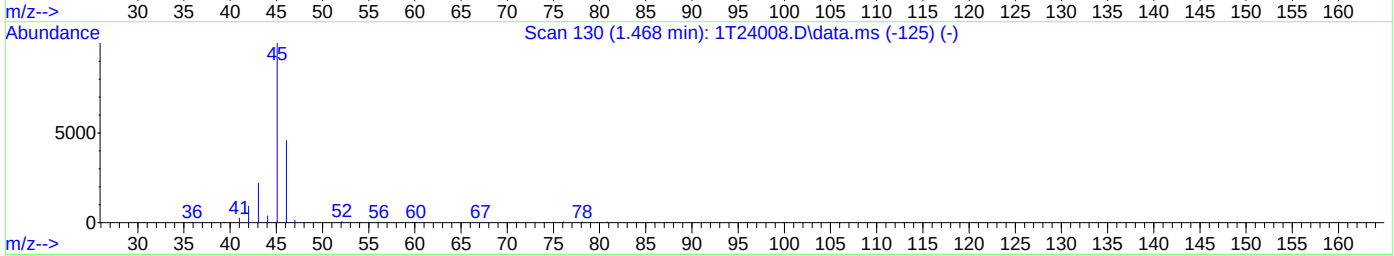
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\Initials\VT579\
Data File : 1T24000.D
Acq On : 18 Sep 2025 11:30 am
Operator : edwardd
Sample : ic579-2
Misc : MS96870,V1T0579,5,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 19 10:26:00 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 10:19:08 2025
Response via : Initial Calibration







TIC: 1T24000.D\data.ms

(2) ethanol

1.469min (+0.000) 89.25ug/L

response 6407

Ion	Exp%	Act%
45.10	100	100
46.10	44.50	28.64
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 09/19/25 18:04

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VT579\
Data File : 1T24002.D
Acq On : 18 Sep 2025 11:57 am
Operator : edwardd
Sample : ic579-4
Misc : MS96870,V1T0579,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 19 11:17:10 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 10:19:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	1.988	65	228065	500.00	ug/L	0.00
5) pentafluorobenzene	3.728	168	530339	50.00	ug/L	0.00
50) 1,4-difluorobenzene	4.310	114	856876	50.00	ug/L	0.00
72) chlorobenzene-d5	6.282	117	753394	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	7.556	152	392057	50.00	ug/L	0.00
124) pentafluorobenzene(a)	3.728	168	530339	50.00	ug/L	0.00
132) 1,4-dichlorobenzene-d4(a)	7.556	152	392057	50.00	ug/L	0.00
System Monitoring Compounds						
42) dibromofluoromethane (s)	3.178	113	317682	49.83	ug/L	0.00
Spiked Amount 50.000	Range 75 - 127		Recovery = 99.66%			
51) 1,2-dichloroethane-d4 (s)	3.739	65	327653	50.92	ug/L	0.00
Spiked Amount 50.000	Range 75 - 130		Recovery = 101.84%			
73) toluene-d8 (s)	5.328	98	1031244	49.97	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.94%			
97) 4-bromofluorobenzene (s)	6.984	95	357365	50.15	ug/L	0.00
Spiked Amount 50.000	Range 79 - 127		Recovery = 100.30%			
Target Compounds						Qvalue
2) ethanol	1.469	45	18719	298.0091	ug/L	93
3) tertiary butyl alcohol	2.035	59	7404	16.0107	ug/L	84
4) 1,4-dioxane	4.924	88	2541	87.2677	ug/L	97
6) chlorodifluoromethane	0.897	51	15879	3.6768	ug/L	95
7) dichlorodifluoromethane	0.876	85	19255	4.0067	ug/L	98
8) chloromethane	0.965	50	11122	3.7518	ug/L	95
9) vinyl chloride	1.002	62	15170	3.9685	ug/L	96
10) 1,3-butadiene	1.002	39	10172	3.5642	ug/L	94
11) bromomethane	1.144	96	7113	3.1626	ug/L #	78
12) chloroethane	1.201	64	12749	3.3299	ug/L	92
13) trichlorofluoromethane	1.264	101	32879	3.7160	ug/L	99
14) ethyl ether	1.401	74	6817	3.3178	ug/L	93
15) acrolein	1.673	56	3227	3.9545	ug/L #	62
16) freon 113	1.521	151	9879	3.5915	ug/L	92
17) 1,1-dichloroethene	1.505	61	21812	3.7508	ug/L	97
18) acetone	1.836	58	7883	15.2797	ug/L	92
19) acetonitrile	2.124	41	18159	38.1973	ug/L	97
20) iodomethane	1.589	142	2164	1.5898	ug/L	90
21) carbon disulfide	1.526	76	40269	3.5033	ug/L	96
22) methylene chloride	1.815	84	16449	3.8991	ug/L	96
23) methyl acetate	1.914	74	2712	3.4550	ug/L #	93
24) methyl tert butyl ether	1.977	73	23389	3.4183	ug/L	86
25) trans-1,2-dichloroethene	1.909	96	14779	3.8601	ug/L	96
26) hexane	1.967	57	16046	3.4611	ug/L	89
27) di-isopropyl ether	2.234	45	21950	3.5434	ug/L	95
28) ethyl tert-butyl ether	2.512	59	23167	3.3926	ug/L	95
29) 2-butanone	3.309	72	5680	13.3918	ug/L #	60
30) 1,1-dichloroethane	2.313	63	21843	3.7469	ug/L	95
31) chloroprene	2.297	53	11380	2.3748	ug/L	93
32) acrylonitrile	2.349	52	4242	3.5701	ug/L	80
33) vinyl acetate	2.512	86	1340	1.5737	ug/L #	66
34) ethyl acetate	3.141	70	1026	2.0084	ug/L	76
35) 2,2-dichloropropane	2.832	77	16044	3.5442	ug/L	97
36) cis-1,2-dichloroethene	2.743	96	12511	3.6515	ug/L	95
37) propionitrile	3.613	54	22133	34.8953	ug/L	94
38) methyl acrylate	3.141	85	1308	1.9725	ug/L #	76
39) bromochloromethane	2.926	128	6243	3.4946	ug/L	91
41) chloroform	3.000	47	6177	3.5410	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VT579\
Data File : 1T24002.D
Acq On : 18 Sep 2025 11:57 am
Operator : edwardd
Sample : ic579-4
Misc : MS96870,V1T0579,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 19 11:17:10 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 10:19:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) methacrylonitrile	3.634	67	3778	2.4314	ug/L		83
44) 1,1,1-trichloroethane	3.199	97	20185	3.9797	ug/L		94
45) cyclohexane	2.937	84	12030	3.1568	ug/L		85
46) 1,1-dichloropropene	3.330	75	11641	3.4209	ug/L		96
47) carbon tetrachloride	3.125	117	16558	3.7348	ug/L		87
48) isobutyl alcohol	3.938	43	4887	34.7466	ug/L		89
49) tert-amyl alcohol	4.033	55	2954	16.7809	ug/L	#	74
52) iso-octane	3.472	57	21241	3.5753	ug/L		88
53) benzene	3.592	78	39505	3.6644	ug/L		95
54) tert-amyl methyl ether	3.776	73	23070	3.1807	ug/L		91
55) heptane	3.608	57	4625	3.8986	ug/L		84
56) isopropyl acetate	4.195	87	2101	2.5717	ug/L	#	49
57) 1,2-dichloroethane	3.818	62	18091	3.6036	ug/L		97
58) n-butyl alcohol	4.636	56	15510	136.6515	ug/L		94
59) ethyl acrylate	4.772	55	11543	3.4573	ug/L		98
60) trichloroethene	4.268	130	10857	3.9164	ug/L		83
61) 2-nitropropane	5.480	41	3562m	3.1870	ug/L		
62) 2-chloroethyl vinyl ether	5.191	63	27185	17.0593	ug/L		94
63) methyl methacrylate	4.924	100	2785	3.5040	ug/L	#	80
64) 1,2-dichloropropane	4.704	63	10151	3.6313	ug/L		74
65) methylcyclohexane	4.253	98	6335	3.1955	ug/L	#	96
66) dibromomethane	4.620	93	8453	3.3077	ug/L		96
67) bromodichloromethane	4.772	83	15536	3.4533	ug/L		92
68) epichlorohydrin	5.364	57	6881	16.2606	ug/L		85
69) cis-1,3-dichloropropene	5.207	75	13846	3.5024	ug/L		95
70) 4-methyl-2-pentanone	5.590	58	16043	13.0908	ug/L		97
71) 3-methyl-1-butanol	5.501	70	7564	68.4416	ug/L		97
74) toluene	5.354	92	28733	3.5730	ug/L		96
75) ethyl methacrylate	5.731	69	11605	3.5457	ug/L		87
76) trans-1,3-dichloropropene	5.605	75	14130	3.1256	ug/L		97
77) 1,1,2-trichloroethane	5.700	83	8397	3.6645	ug/L		93
78) tetrachloroethene	5.579	166	11892	3.6055	ug/L		94
79) 2-hexanone	6.125	58	17210	15.0259	ug/L		92
80) 1,3-dichloropropane	5.862	76	16457	3.4793	ug/L		93
81) butyl acetate	6.083	56	5178	3.2540	ug/L		92
82) dibromochloromethane	5.805	129	12094	3.4315	ug/L		99
83) 1,2-dibromoethane	5.941	107	10805	3.5503	ug/L		92
84) n-butyl ether	6.277	57	33995	3.4037	ug/L		70
85) chlorobenzene	6.292	112	32634	3.4525	ug/L		96
86) 1,1,1,2-tetrachloroethane	6.340	131	11310	3.6092	ug/L		96
87) ethylbenzene	6.324	91	53522	3.6111	ug/L		98
88) m,p-xylene	6.413	106	41248	7.4596	ug/L		95
89) o-xylene	6.659	106	17878	3.4188	ug/L		92
90) styrene	6.691	104	26147	3.2489	ug/L		89
91) bromoform	6.696	173	9275	3.3519	ug/L		96
92) butyl acrylate	6.780	55	15609	3.3239	ug/L		97
93) n-amyl acetate	6.916	70	7179	3.7042	ug/L		92
94) isopropylbenzene	6.838	105	43651	3.3663	ug/L		99
95) cis-1,4-dichloro-2-butene	7.021	88	5376	3.3539	ug/L		95
98) bromobenzene	7.037	156	13215	3.3339	ug/L		93
99) 1,1,2,2-tetrachloroethane	7.095	83	16514	3.3696	ug/L		98
100) trans-1,4-dichloro-2-b...	7.184	53	4289	3.5212	ug/L		82
101) 1,2,3-trichloropropane	7.163	110	6063	3.5165	ug/L		97
102) n-propylbenzene	7.063	91	57291	3.4115	ug/L		95
103) 2-chlorotoluene	7.136	126	11239	3.2652	ug/L		97
104) 4-chlorotoluene	7.220	91	36312	3.3995	ug/L		99
105) 1,3,5-trimethylbenzene	7.168	105	37927	3.3996	ug/L		99
106) tert-butylbenzene	7.325	119	30756	3.5535	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VT579\
Data File : 1T24002.D
Acq On : 18 Sep 2025 11:57 am
Operator : edwardd
Sample : ic579-4
Misc : MS96870,V1T0579,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 19 11:17:10 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 10:19:08 2025
Response via : Initial Calibration

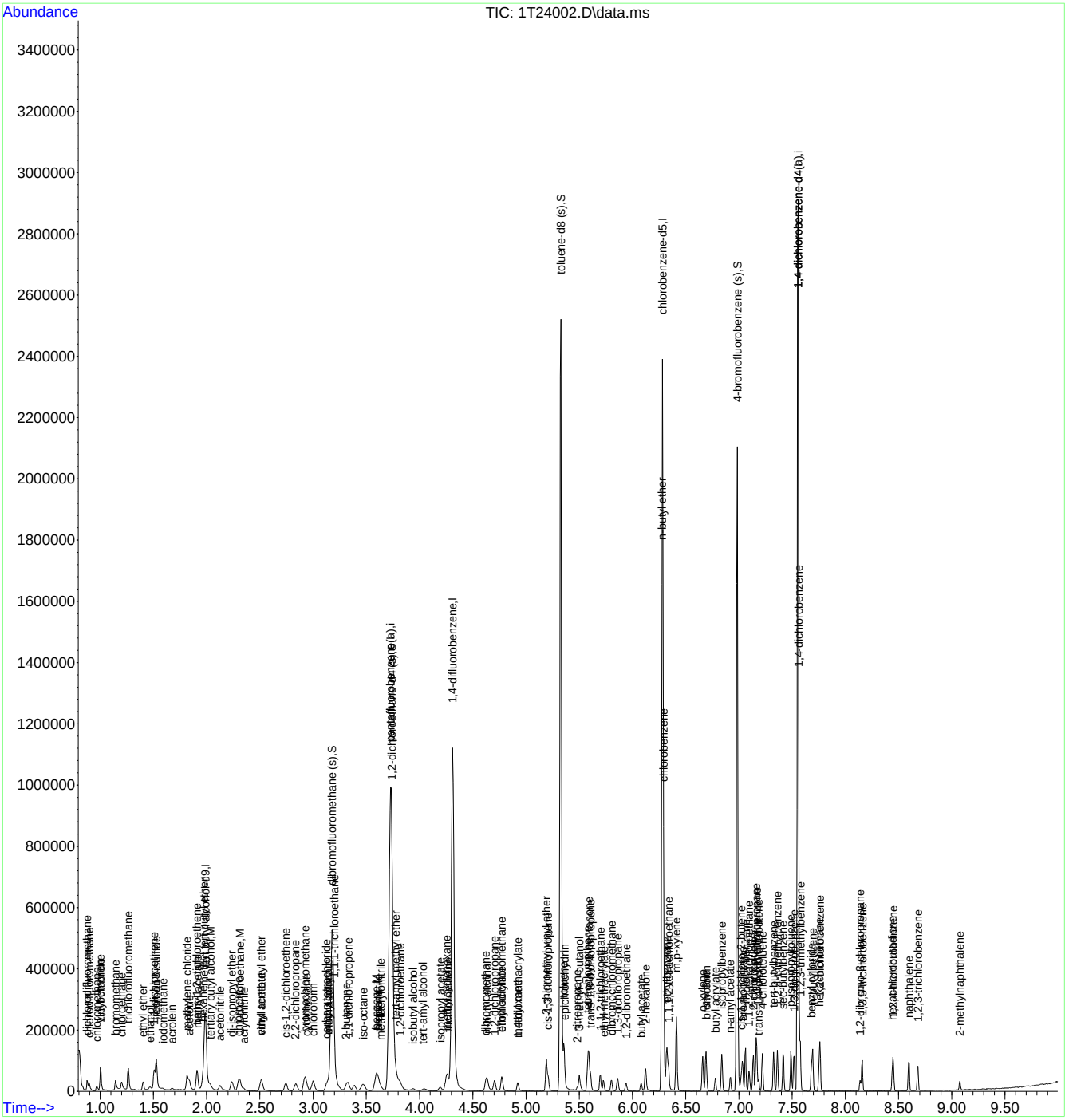
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
107) 1,2,4-trimethylbenzene	7.362	105	38391	3.4556	ug/L		96
108) sec-butylbenzene	7.414	105	43960	3.5666	ug/L		97
109) 1,3-dichlorobenzene	7.519	146	24939	3.4683	ug/L		95
110) p-isopropyltoluene	7.488	119	37241	3.5601	ug/L		94
111) 1,4-dichlorobenzene	7.561	146	27141	3.4061	ug/L		87
112) 1,2-dichlorobenzene	7.760	146	24147	3.4385	ug/L		92
113) 1,2,3-trimethylbenzene	7.577	105	43598	3.2431	ug/L		99
114) n-butylbenzene	7.692	134	8642	3.2851	ug/L	#	88
115) 1,2-dibromo-3-chloropr...	8.138	157	4820	3.3110	ug/L		93
116) 1,3,5-trichlorobenzene	8.159	180	15382	3.3524	ug/L		99
117) 1,2,4-trichlorobenzene	8.452	180	13504	3.4412	ug/L		96
118) hexachlorobutadiene	8.442	225	5706	3.3176	ug/L		98
119) naphthalene	8.599	128	37456	3.3259	ug/L		98
120) 1,2,3-trichlorobenzene	8.683	180	12429	3.4142	ug/L		96
121) hexachloroethane	7.755	119	7496	3.4281	ug/L		91
122) benzyl chloride	7.682	126	5982	3.1647	ug/L		99
123) 2-methylnaphthalene	9.076	142	7077	1.5049	ug/L		88

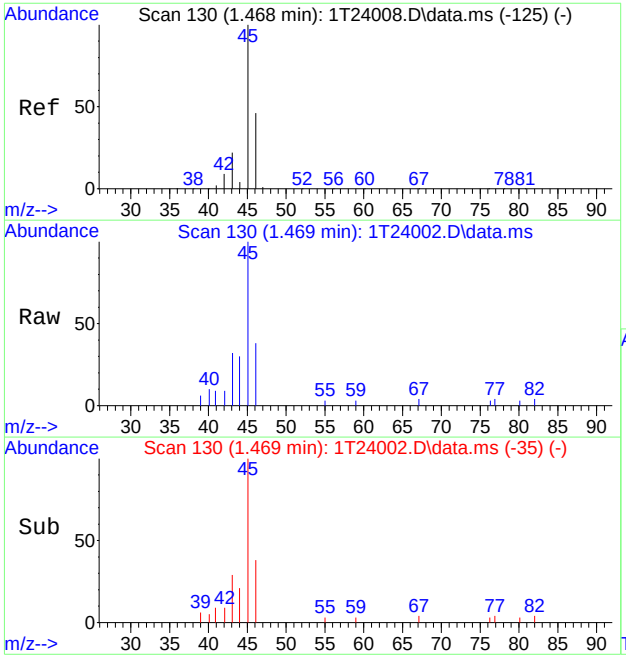
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VT579\
Data File : 1T24002.D
Acq On : 18 Sep 2025 11:57 am
Operator : edwardd
Sample : ic579-4
Misc : MS96870,V1T0579,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 19 11:17:10 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 10:19:08 2025
Response via : Initial Calibration

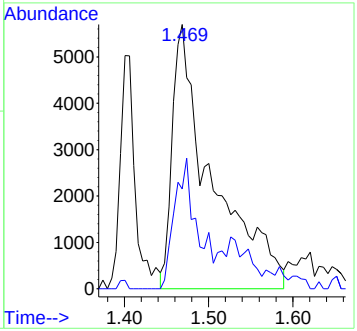


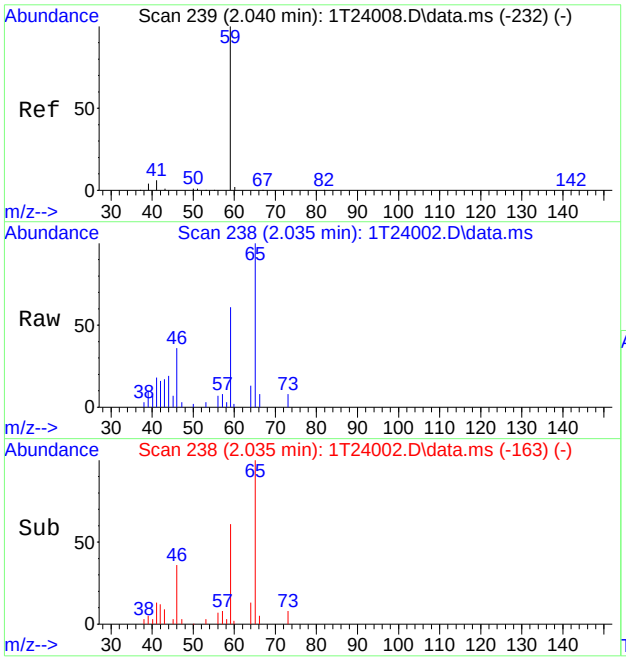


#2
ethanol
Concen: 298.01 ug/L
RT: 1.469 min Scan# 130
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion: 45 Resp: 18719

Ion	Ratio	Lower	Upper
45	100		
46	40.2	24.5	64.5

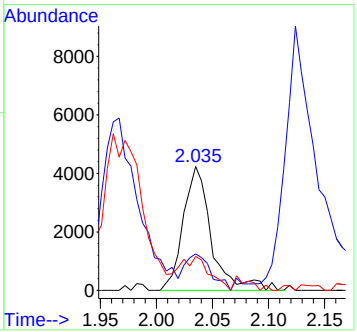


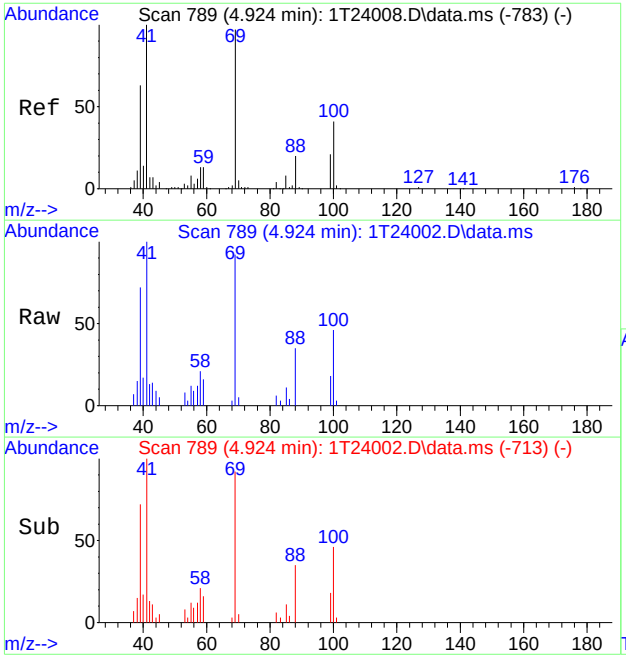


#3
tertiary butyl alcohol
Concen: 16.01 ug/L
RT: 2.035 min Scan# 238
Delta R.T. -0.005 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion: 59 Resp: 7404

Ion	Ratio	Lower	Upper
59	100		
41	4.3	0.0	43.1
43	23.4	0.0	48.5

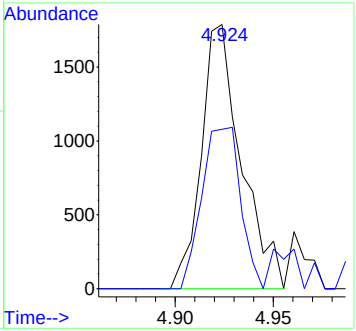


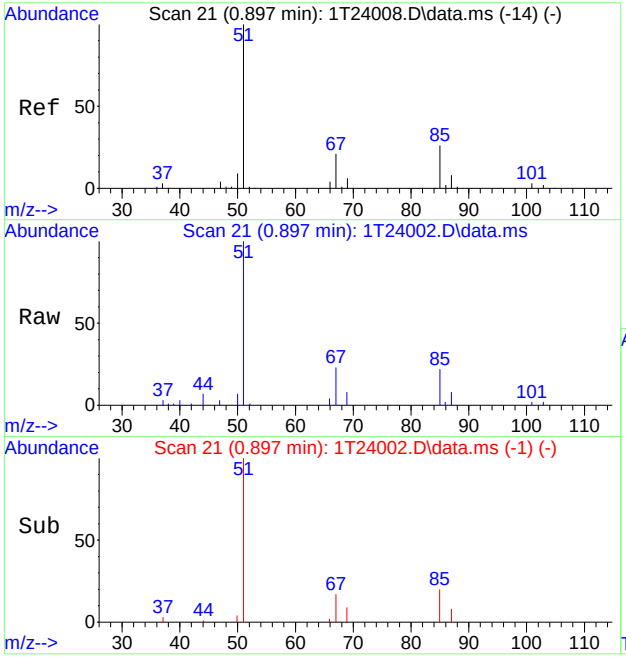


#4
1,4-dioxane
Concen: 87.27 ug/L
RT: 4.924 min Scan# 789
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion: 88 Resp: 2541

Ion	Ratio	Lower	Upper
88	100		
58	60.3	43.0	83.0

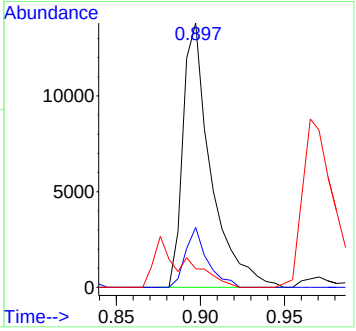




#6
chlorodifluoromethane
Concen: 3.68 ug/L
RT: 0.897 min Scan# 21
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

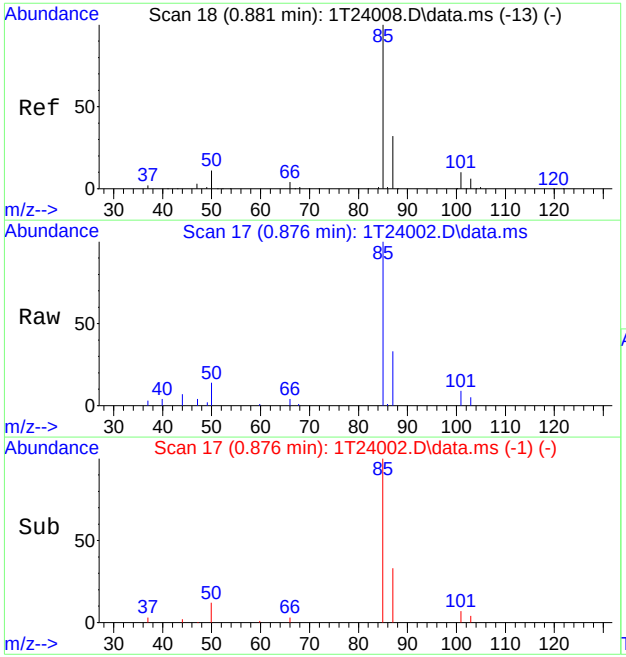
Tgt Ion: 51 Resp: 15879

Ion	Ratio	Lower	Upper
51	100		
67	22.7	0.0	51.0
50	5.7	0.0	38.8



7.6.19

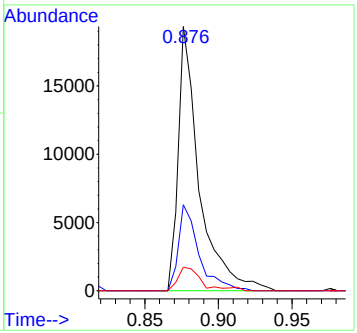
7

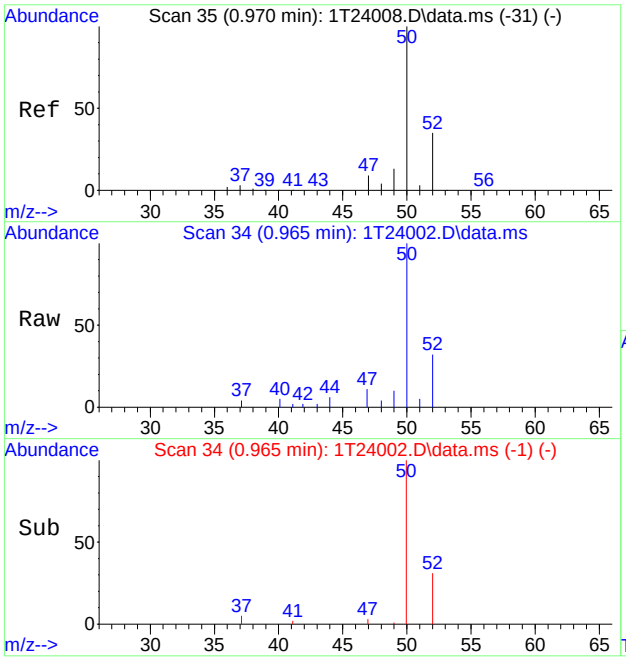


#7
dichlorodifluoromethane
Concen: 4.01 ug/L
RT: 0.876 min Scan# 17
Delta R.T. -0.005 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion: 85 Resp: 19255

Ion	Ratio	Lower	Upper
85	100		
87	32.6	1.6	61.6
101	8.9	0.0	39.6

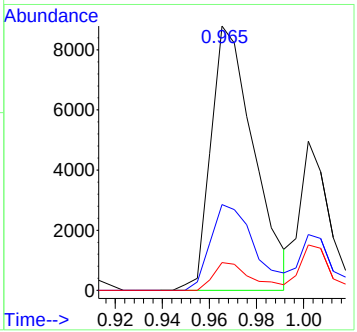


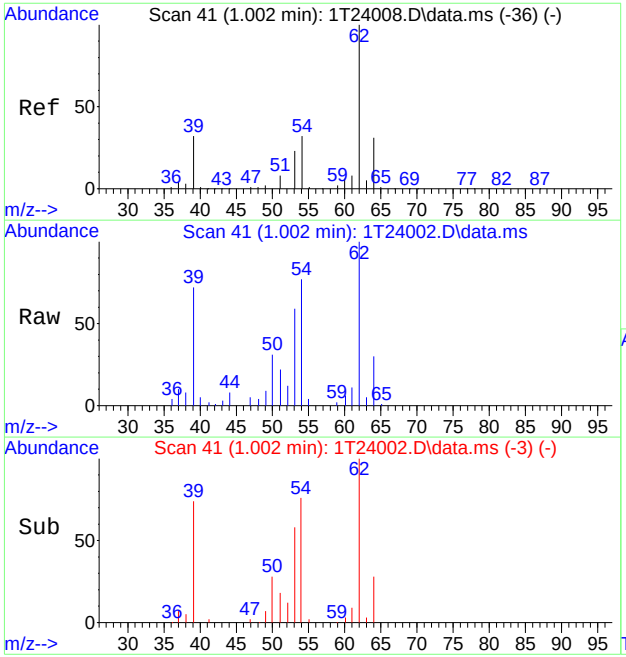


#8
chloromethane
Concen: 3.75 ug/L
RT: 0.965 min Scan# 34
Delta R.T. -0.005 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion: 50 Resp: 11122

Ion	Ratio	Lower	Upper
50	100		
52	32.5	5.4	65.4
49	10.5	0.0	42.5

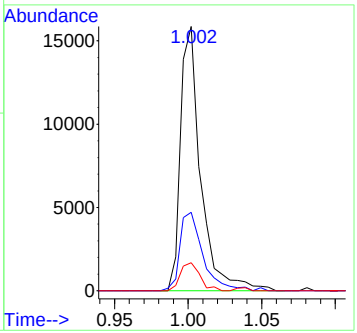


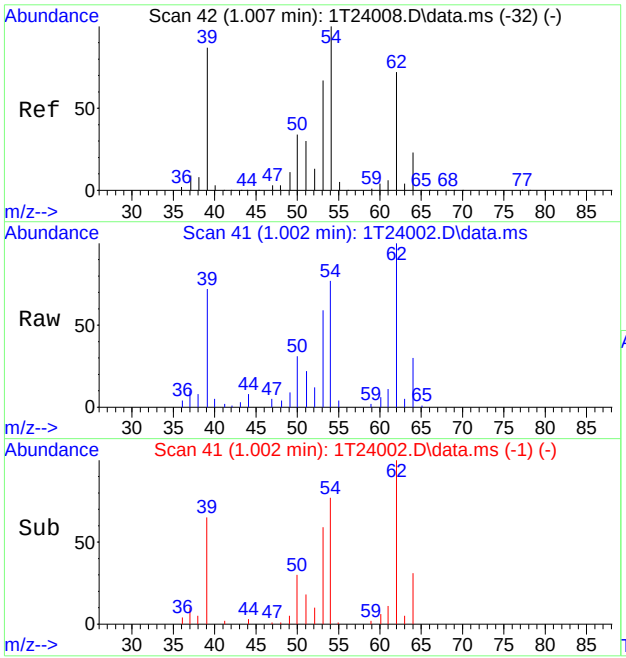


#9
vinyl chloride
Concen: 3.97 ug/L
RT: 1.002 min Scan# 41
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion: 62 Resp: 15170

Ion	Ratio	Lower	Upper
62	100		
64	29.7	1.5	61.5
61	10.6	0.0	38.2

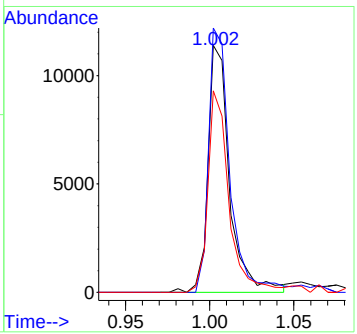


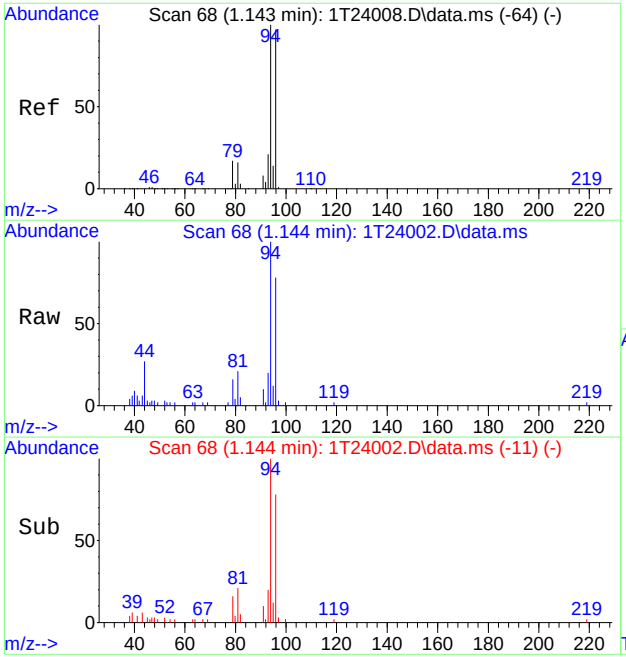


#10
1,3-butadiene
Concen: 3.56 ug/L
RT: 1.002 min Scan# 41
Delta R.T. -0.005 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion: 39 Resp: 10172

Ion	Ratio	Lower	Upper
39	100		
54	107.1	84.6	144.6
53	81.7	47.3	107.3

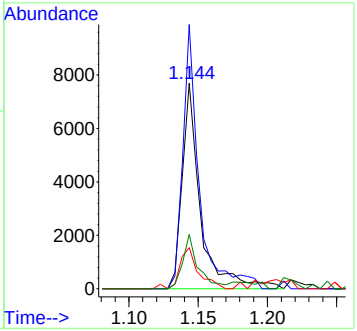


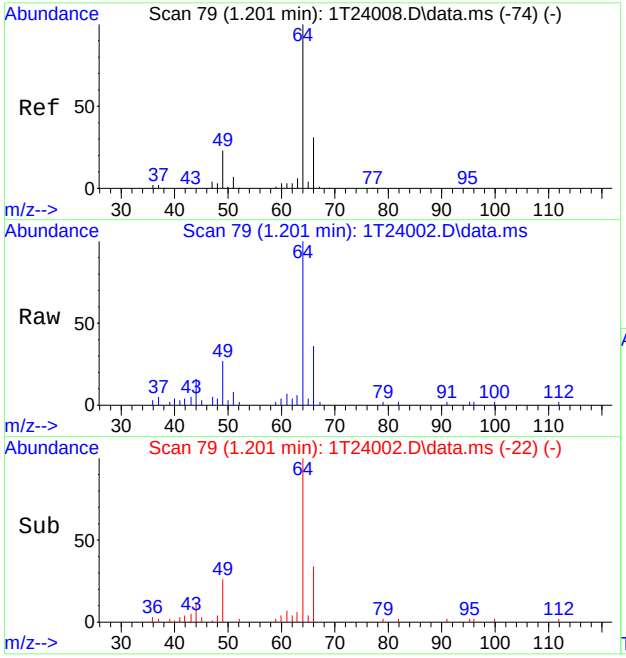


#11
bromomethane
Concen: 3.16 ug/L
RT: 1.144 min Scan# 68
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion: 96 Resp: 7113

Ion	Ratio	Lower	Upper
96	100		
94	128.6	73.2	133.2
79	17.8	17.3	17.3#
81	26.4	0.0	36.8

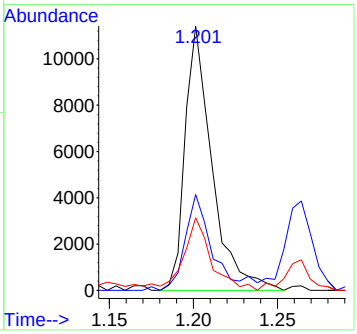


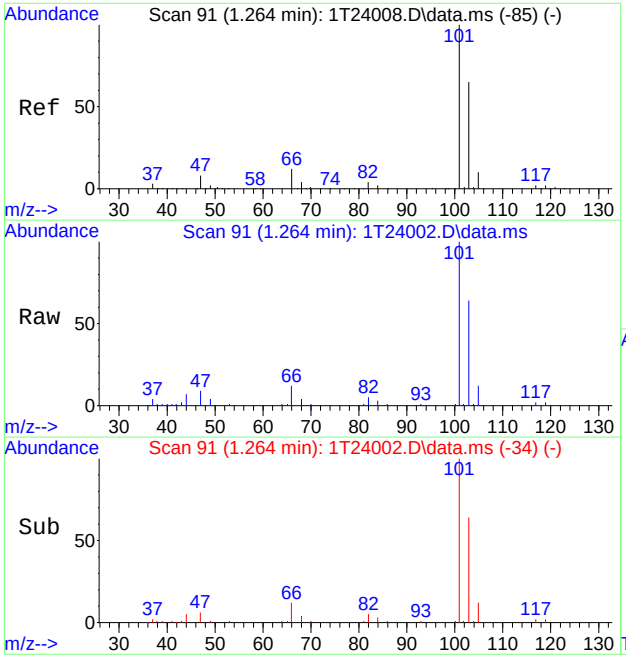


#12
chloroethane
Concen: 3.33 ug/L
RT: 1.201 min Scan# 79
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion: 64 Resp: 12749

Ion	Ratio	Lower	Upper
64	100		
66	36.3	0.9	60.9
49	25.8	0.0	52.7

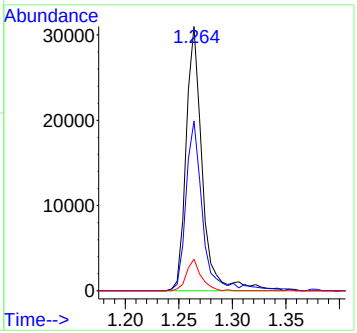


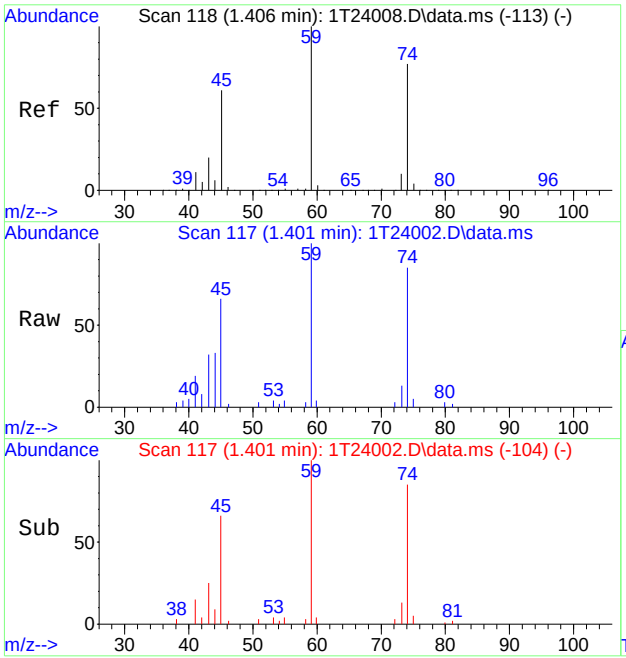


#13
trichlorofluoromethane
Concen: 3.72 ug/L
RT: 1.264 min Scan# 91
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion:101 Resp: 32879

Ion	Ratio	Lower	Upper
101	100		
103	64.2	34.8	94.8
105	12.0	0.0	40.0

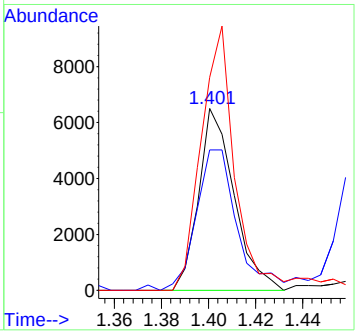


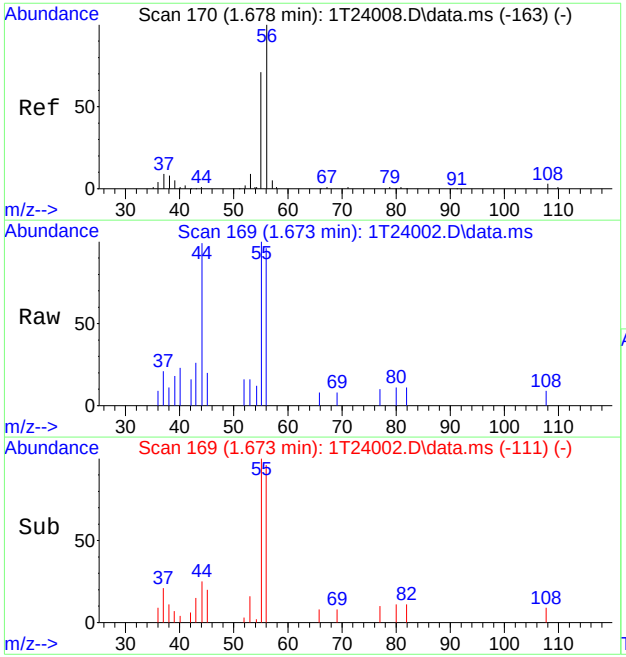


#14
ethyl ether
Concen: 3.32 ug/L
RT: 1.401 min Scan# 117
Delta R.T. -0.005 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion: 74 Resp: 6817

Ion	Ratio	Lower	Upper
74	100		
45	77.3	48.9	108.9
59	117.2	99.2	159.2

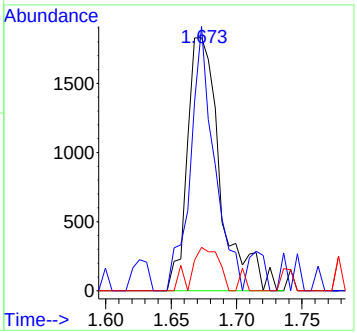


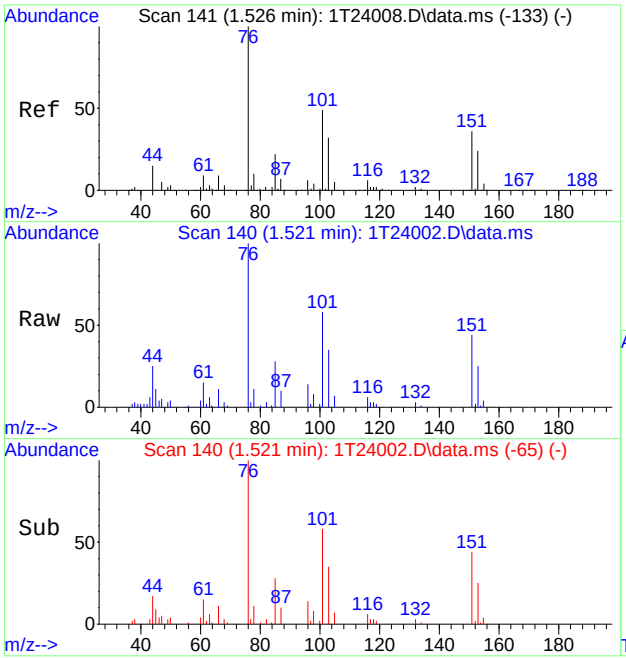


#15
acrolein
Concen: 3.95 ug/L
RT: 1.673 min Scan# 169
Delta R.T. -0.005 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion: 56 Resp: 3227

Ion	Ratio	Lower	Upper
56	100		
55	104.4	41.3	101.3#
53	17.1	0.0	38.7

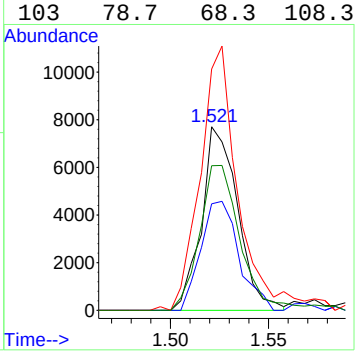




#16
freon 113
Concen: 3.59 ug/L
RT: 1.521 min Scan# 140
Delta R.T. -0.005 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

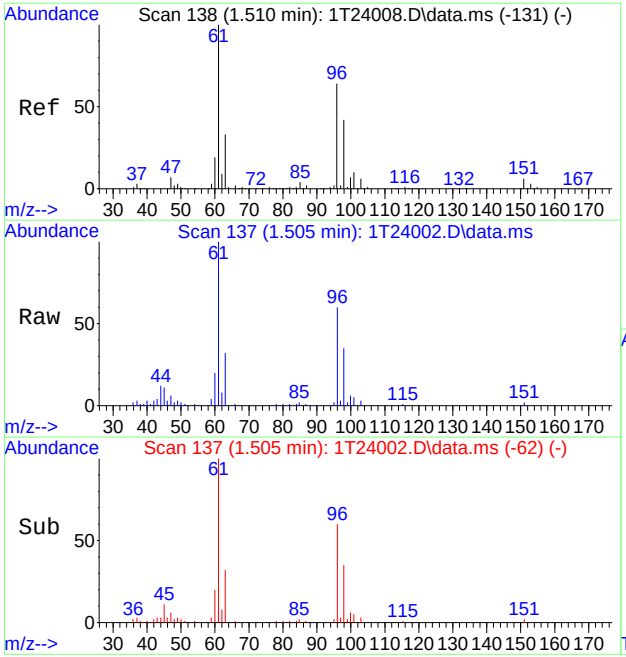
Tgt Ion:151 Resp: 9879

Ion	Ratio	Lower	Upper
151	100		
153	58.0	46.1	86.1
101	129.4	116.7	156.7
103	78.7	68.3	108.3



7.6.19

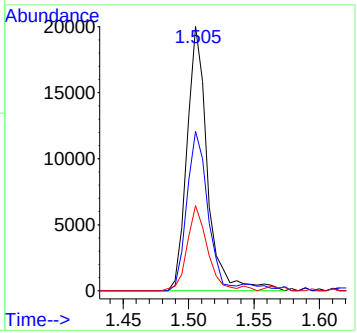
7

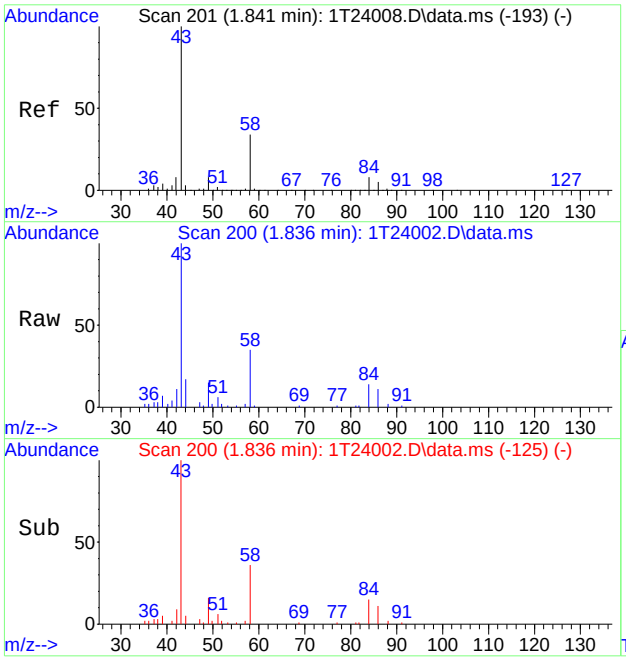


#17
1,1-dichloroethene
Concen: 3.75 ug/L
RT: 1.505 min Scan# 137
Delta R.T. -0.005 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion: 61 Resp: 21812

Ion	Ratio	Lower	Upper
61	100		
96	60.3	33.7	93.7
63	32.2	2.8	62.8

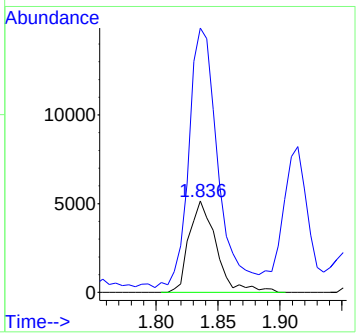


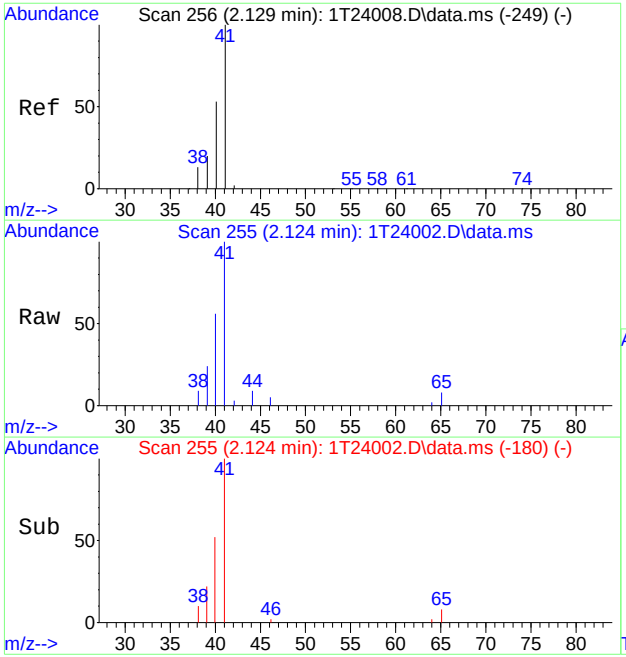


#18
acetone
Concen: 15.28 ug/L
RT: 1.836 min Scan# 200
Delta R.T. -0.005 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion: 58 Resp: 7883

Ion	Ratio	Lower	Upper
58	100		
43	278.6	263.8	323.8

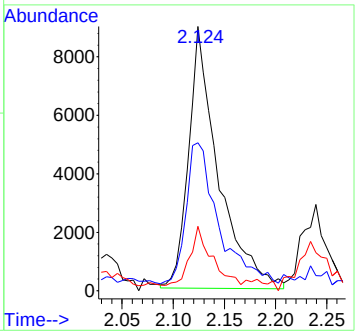


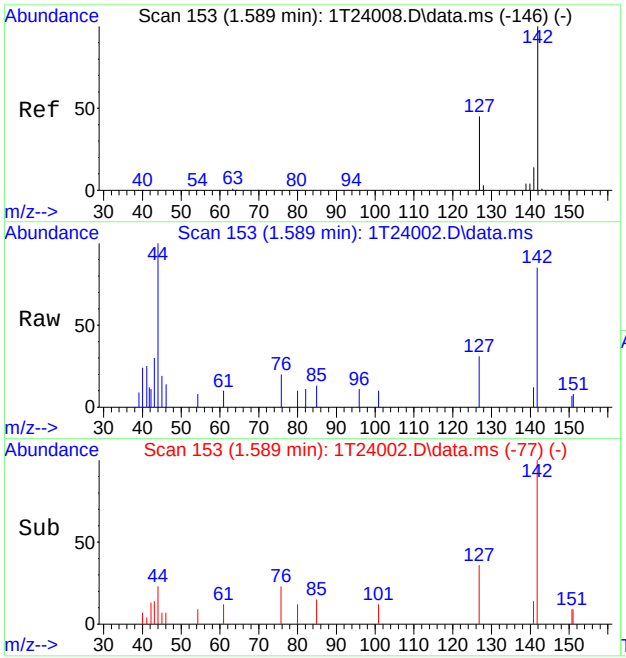


#19
acetonitrile
Concen: 38.20 ug/L
RT: 2.124 min Scan# 255
Delta R.T. -0.005 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion: 41 Resp: 18159

Ion	Ratio	Lower	Upper
41	100		
40	54.6	23.2	83.2
39	22.7	0.0	49.8

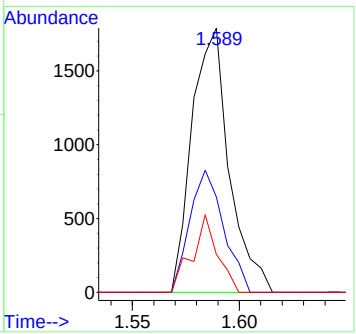


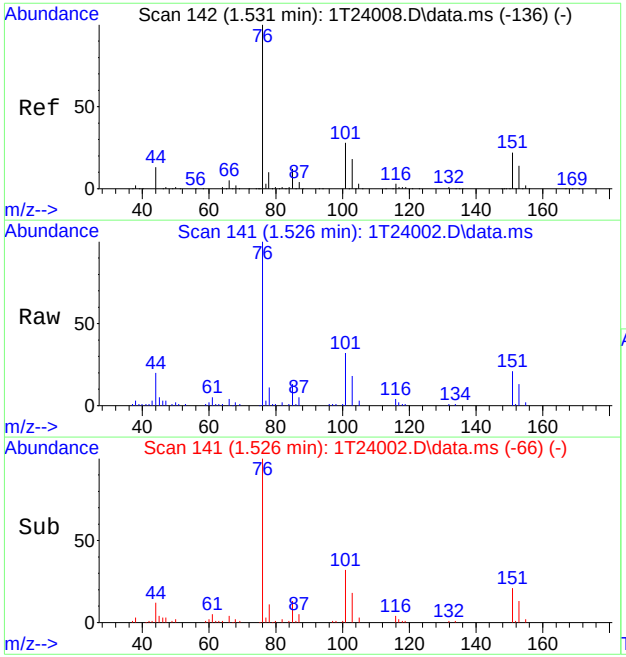


#20
iodomethane
Concen: 1.59 ug/L
RT: 1.589 min Scan# 153
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion:142 Resp: 2164

Ion	Ratio	Lower	Upper
142	100		
127	36.1	14.7	74.7
141	14.3	0.0	44.3

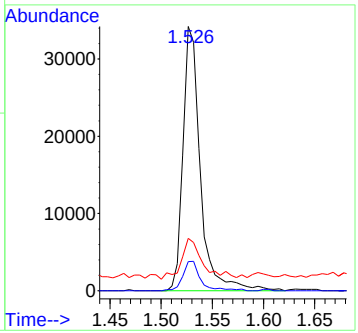


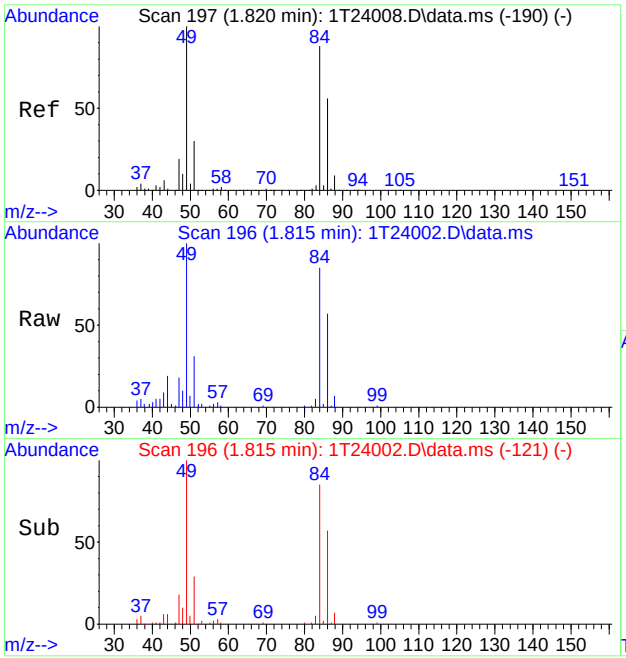


#21
carbon disulfide
Concen: 3.50 ug/L
RT: 1.526 min Scan# 141
Delta R.T. -0.005 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion: 76 Resp: 40269

Ion	Ratio	Lower	Upper
76	100		
78	11.1	0.0	40.0
44	15.5	0.0	43.4

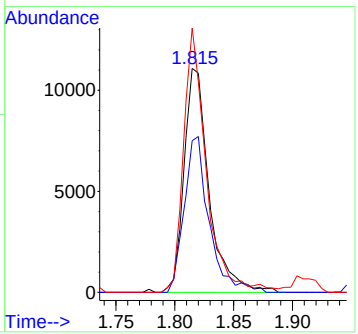


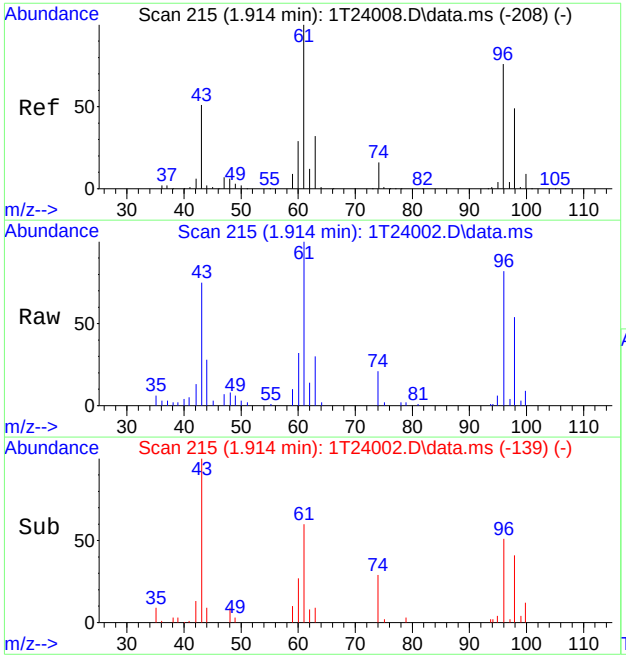


#22
methylene chloride
Concen: 3.90 ug/L
RT: 1.815 min Scan# 196
Delta R.T. -0.005 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion: 84 Resp: 16449

Ion	Ratio	Lower	Upper
84	100		
86	67.7	34.2	94.2
49	118.1	84.0	144.0

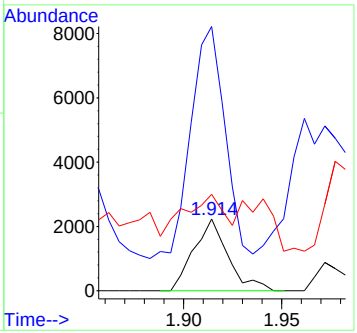


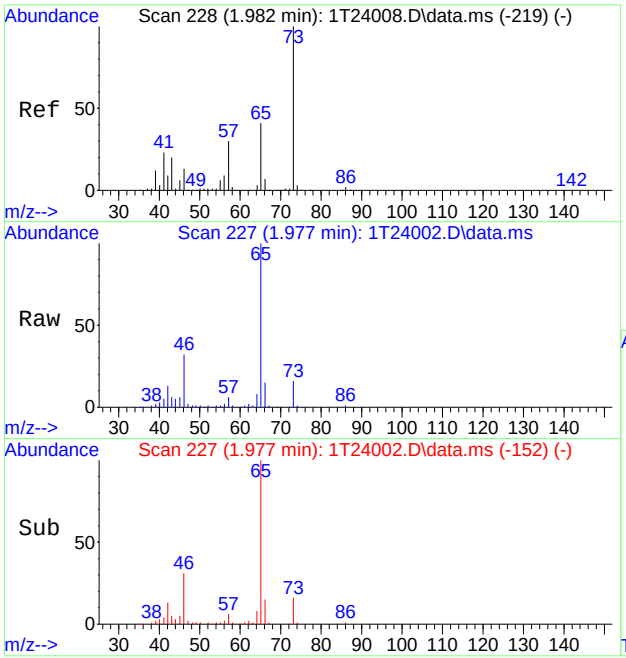


#23
methyl acetate
Concen: 3.45 ug/L
RT: 1.914 min Scan# 215
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion: 74 Resp: 2712

Ion	Ratio	Lower	Upper
74	100		
43	313.3	282.8	342.8
44	79.1	0.0	42.2#

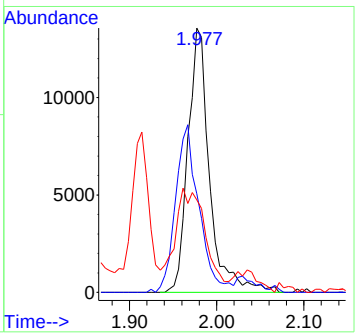


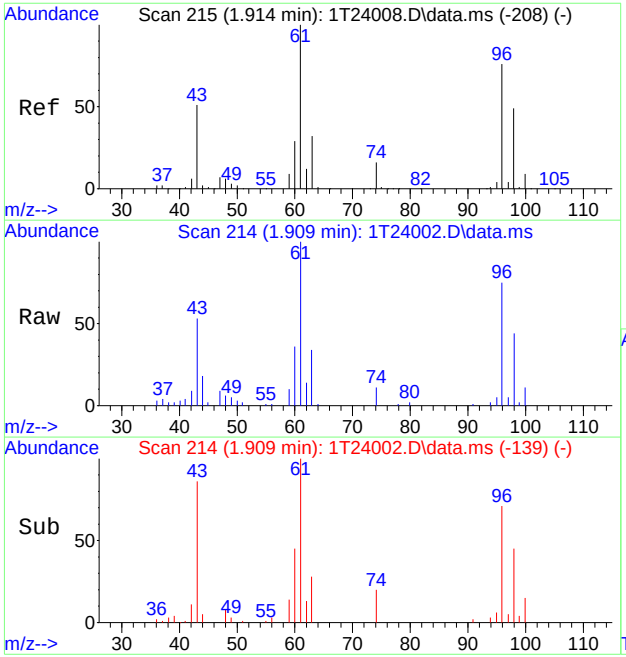


#24
methyl tert butyl ether
Concen: 3.42 ug/L
RT: 1.977 min Scan# 227
Delta R.T. -0.005 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion: 73 Resp: 23389

Ion	Ratio	Lower	Upper
73	100		
57	37.4	0.0	60.0
43	33.2	0.0	55.7

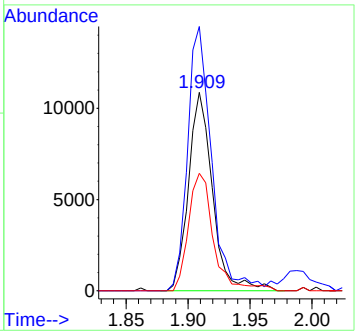


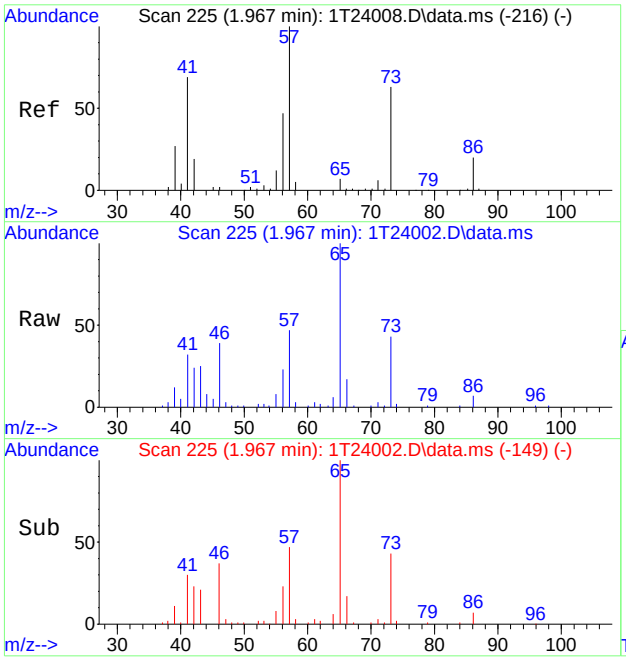


#25
trans-1,2-dichloroethene
Concen: 3.86 ug/L
RT: 1.909 min Scan# 214
Delta R.T. -0.005 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion: 96 Resp: 14779

Ion	Ratio	Lower	Upper
96	100		
61	133.3	101.0	161.0
98	59.2	34.5	94.5

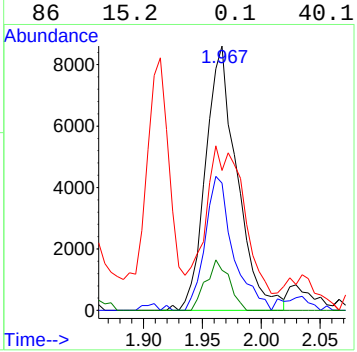


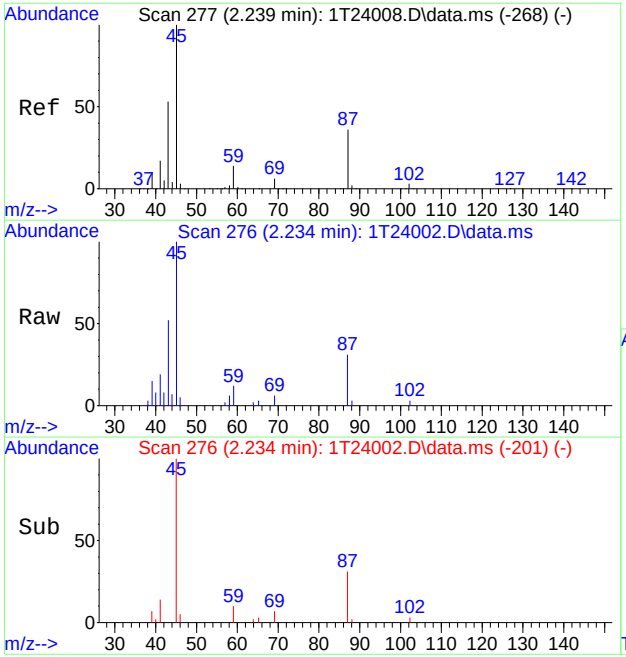


#26
hexane
Concen: 3.46 ug/L
RT: 1.967 min Scan# 225
Delta R.T. -0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion: 57 Resp: 16046

Ion	Ratio	Lower	Upper
57	100		
56	48.2	27.2	67.2
43	43.8	37.1	77.1
86	15.2	0.1	40.1

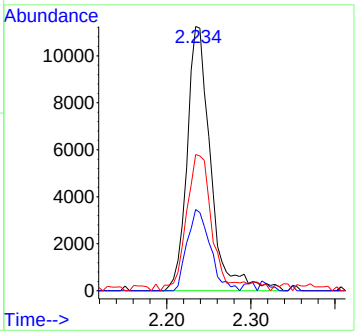


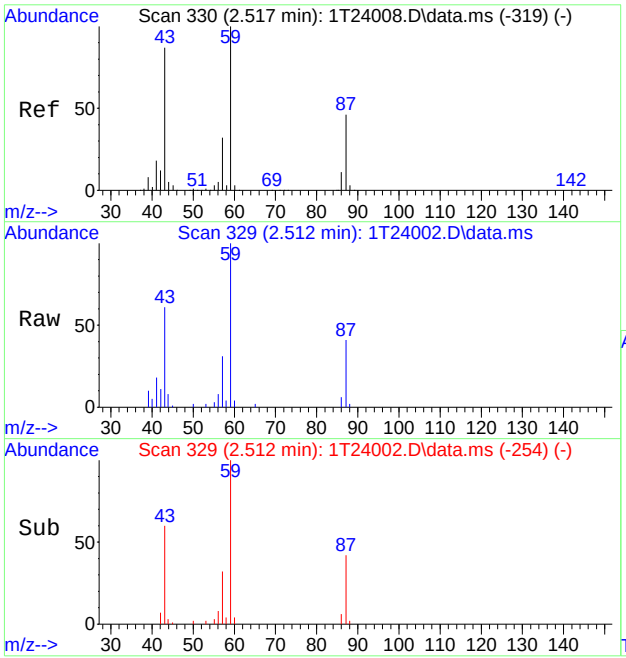


#27
di-isopropyl ether
Concen: 3.54 ug/L
RT: 2.234 min Scan# 276
Delta R.T. -0.005 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion: 45 Resp: 21950

Ion	Ratio	Lower	Upper
45	100		
87	30.8	6.3	66.3
43	51.5	23.0	83.0

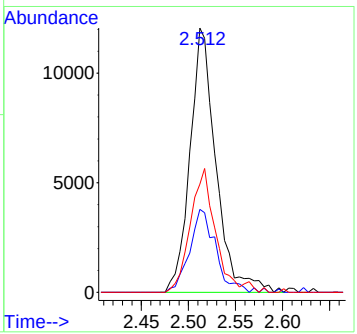


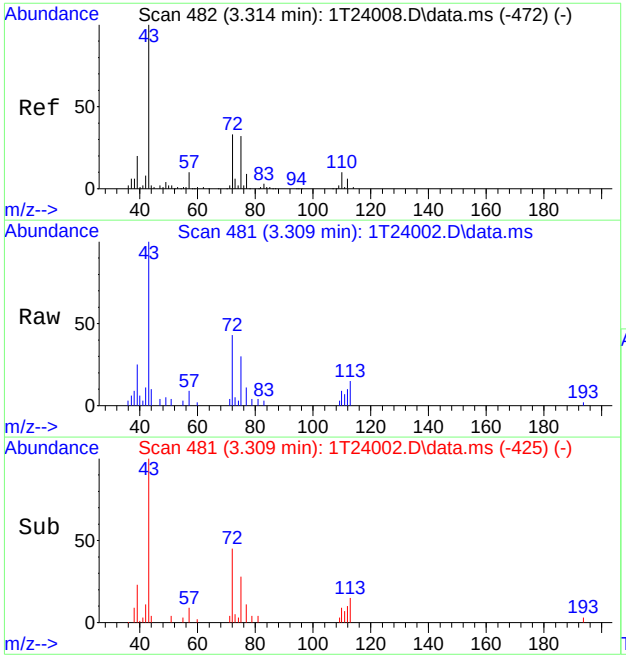


#28
ethyl tert-butyl ether
Concen: 3.39 ug/L
RT: 2.512 min Scan# 329
Delta R.T. -0.005 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion: 59 Resp: 23167

Ion	Ratio	Lower	Upper
59	100		
57	31.4	2.1	62.1
87	40.9	15.5	75.5

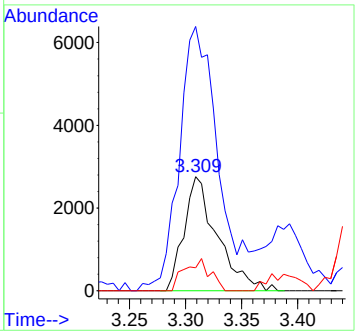


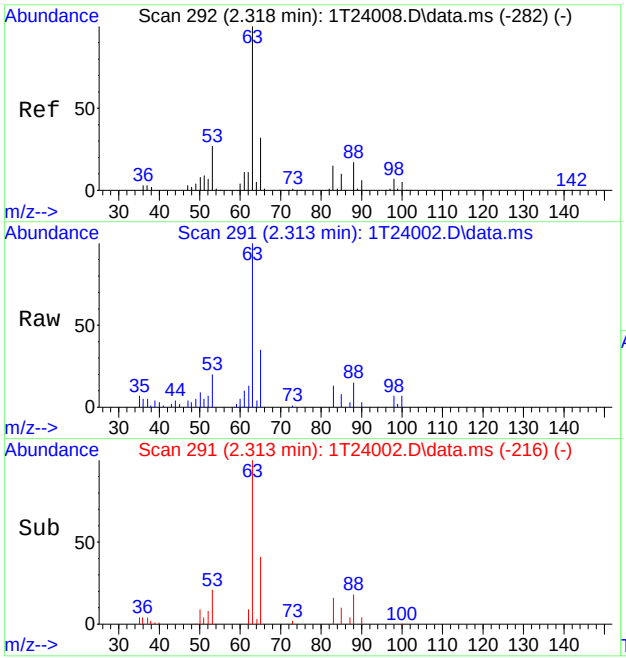


#29
2-butanone
Concen: 13.39 ug/L
RT: 3.309 min Scan# 481
Delta R.T. -0.005 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion: 72 Resp: 5680

Ion	Ratio	Lower	Upper
72	100		
43	220.4	273.9	333.9#
57	20.2	0.0	58.9

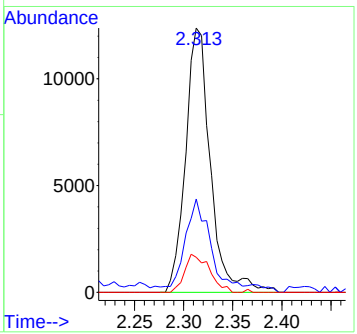


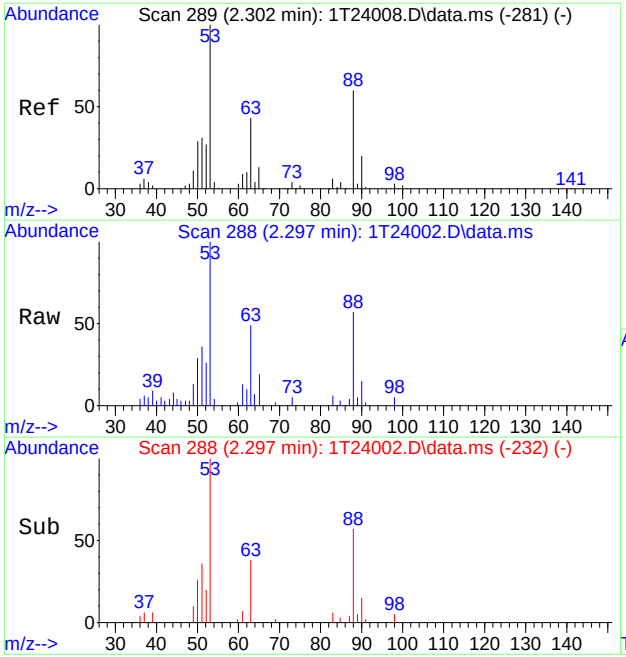


#30
1,1-dichloroethane
Concen: 3.75 ug/L
RT: 2.313 min Scan# 291
Delta R.T. -0.005 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion: 63 Resp: 21843

Ion	Ratio	Lower	Upper
63	100		
65	35.3	2.0	62.0
83	13.2	0.0	45.2

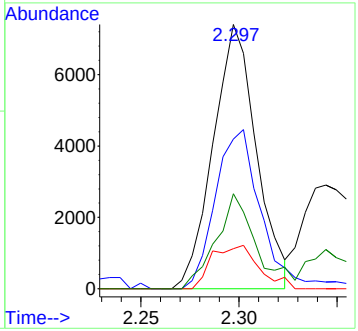


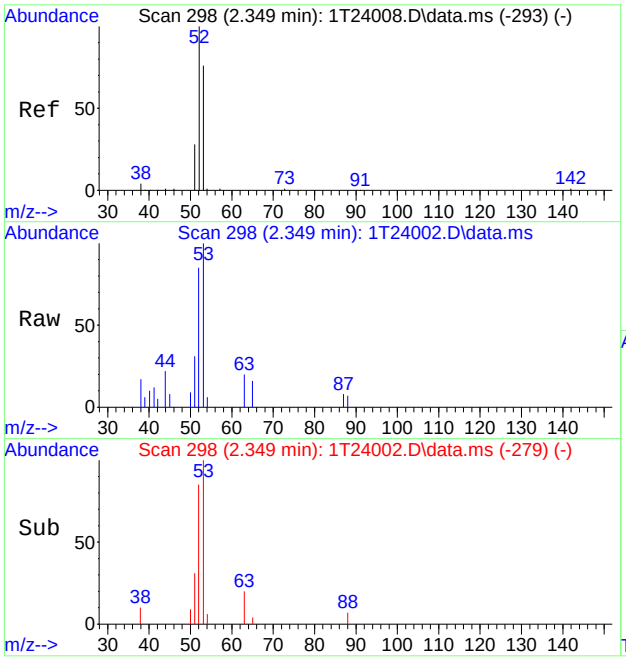


#31
chloroprene
Concen: 2.37 ug/L
RT: 2.297 min Scan# 288
Delta R.T. -0.005 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion: 53 Resp: 11380

Ion	Ratio	Lower	Upper
53	100		
88	56.6	29.5	89.5
90	15.1	0.0	49.7
51	36.0	0.7	60.7

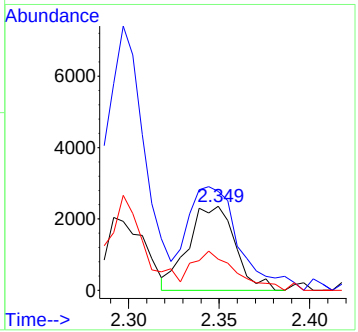


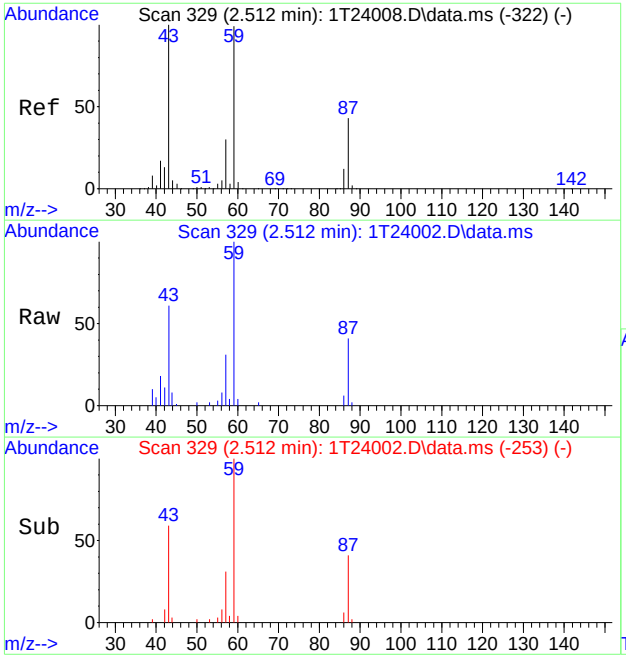


#32
acrylonitrile
Concen: 3.57 ug/L
RT: 2.349 min Scan# 298
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion: 52 Resp: 4242

Ion	Ratio	Lower	Upper
52	100		
53	100.7	96.8	156.8
51	36.9	14.4	74.4

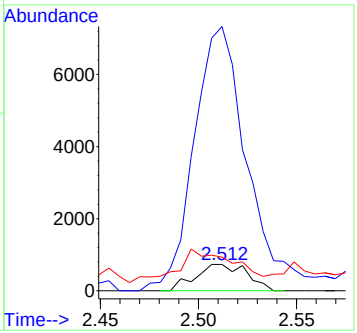


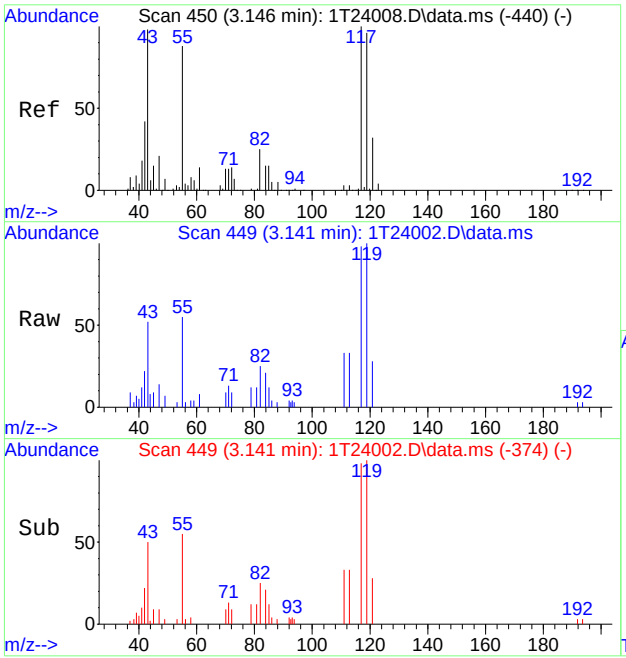


#33
vinyl acetate
Concen: 1.57 ug/L
RT: 2.512 min Scan# 329
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion: 86 Resp: 1340

Ion	Ratio	Lower	Upper
86	100		
43	964.9	805.6	865.6#
44	72.0	9.2	69.2#

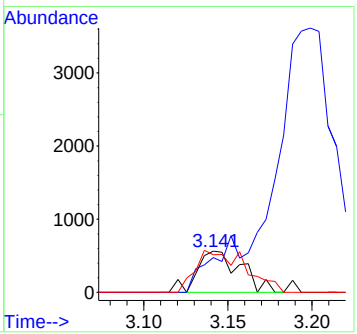


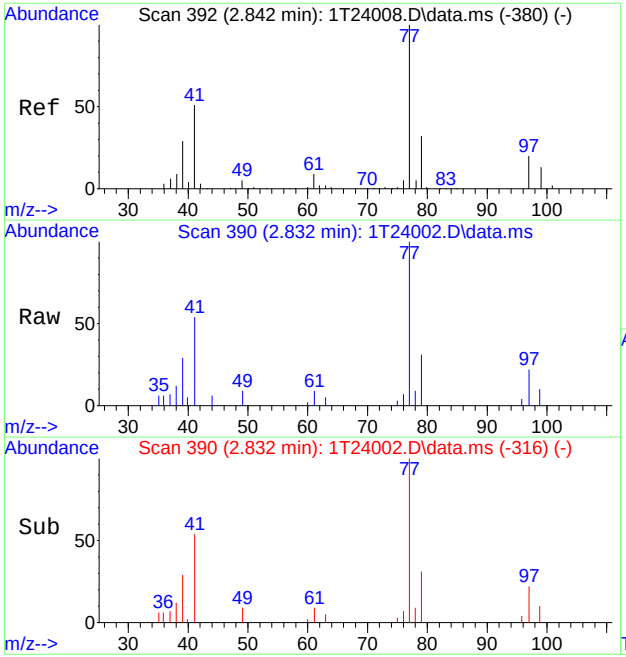


#34
ethyl acetate
Concen: 2.01 ug/L
RT: 3.141 min Scan# 449
Delta R.T. -0.005 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion: 70 Resp: 1026

Ion	Ratio	Lower	Upper
70	100		
61	84.4	81.1	141.1
45	91.3	86.0	146.0

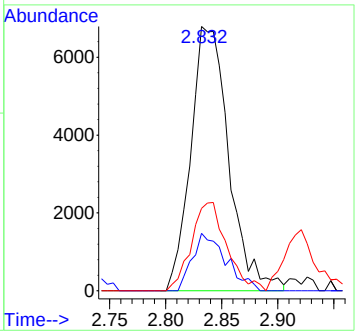


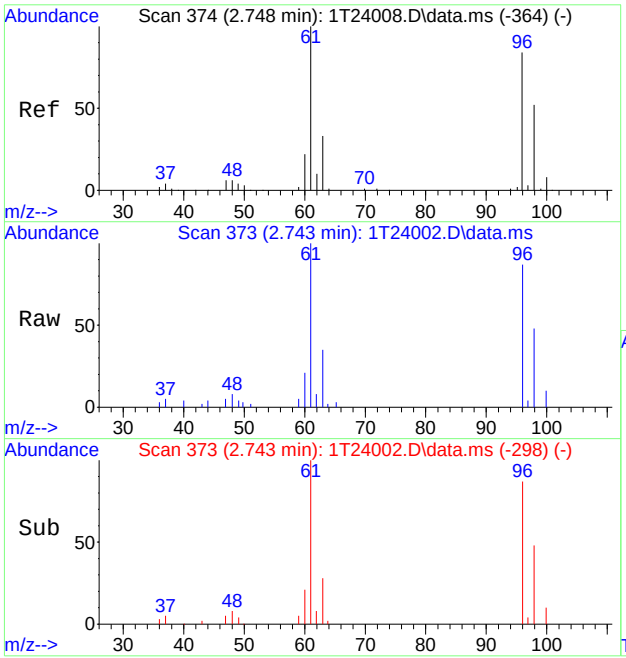


#35
2,2-dichloropropane
Concen: 3.54 ug/L
RT: 2.832 min Scan# 390
Delta R.T. -0.010 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion: 77 Resp: 16044

Ion	Ratio	Lower	Upper
77	100		
97	21.8	0.0	50.0
79	31.2	2.2	62.2

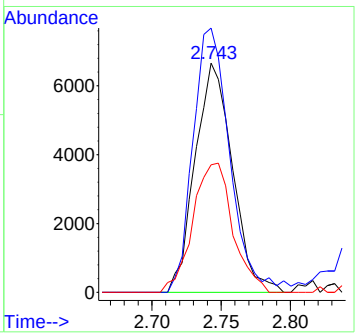


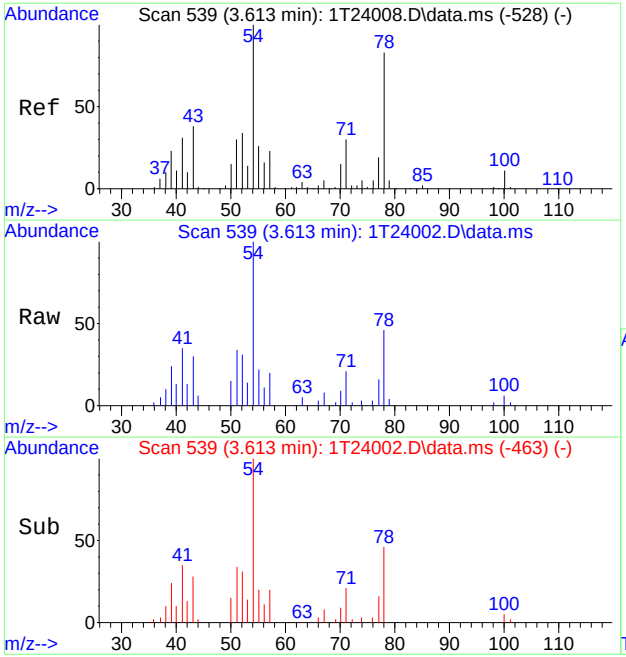


#36
cis-1,2-dichloroethene
Concen: 3.65 ug/L
RT: 2.743 min Scan# 373
Delta R.T. -0.005 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion: 96 Resp: 12511

Ion	Ratio	Lower	Upper
96	100		
61	115.3	89.4	149.4
98	55.6	32.0	92.0

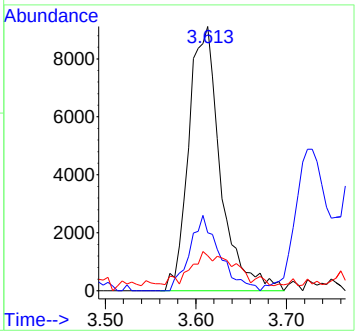


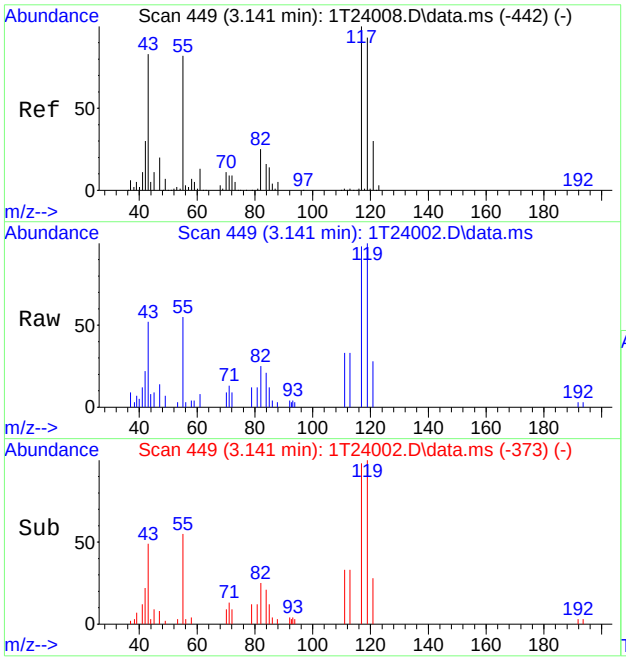


#37
propionitrile
Concen: 34.90 ug/L
RT: 3.613 min Scan# 539
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion: 54 Resp: 22133

Ion	Ratio	Lower	Upper
54	100		
55	21.9	0.0	55.9
40	10.9	0.0	41.2

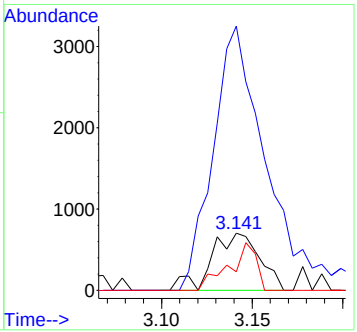


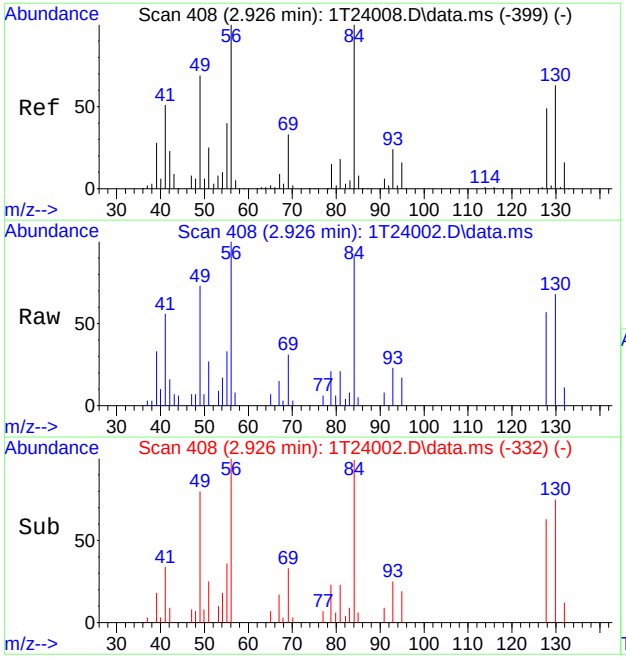


#38
methyl acrylate
Concen: 1.97 ug/L
RT: 3.141 min Scan# 449
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion: 85 Resp: 1308

Ion	Ratio	Lower	Upper
85	100		
55	463.4	512.8	552.8#
58	32.3	28.3	68.3

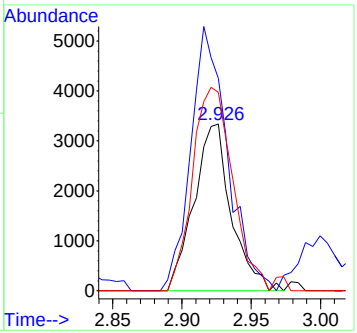


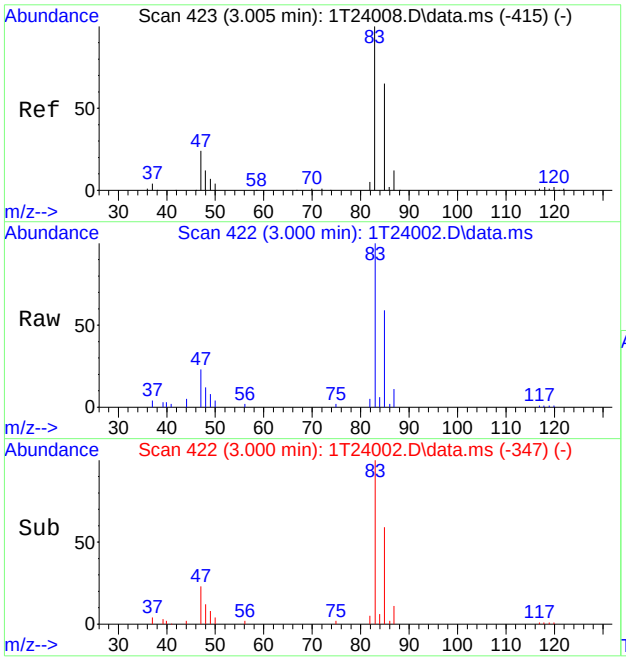


#39
bromochloromethane
Concen: 3.49 ug/L
RT: 2.926 min Scan# 408
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion:128 Resp: 6243

Ion	Ratio	Lower	Upper
128	100		
49	127.5	110.2	170.2
130	119.1	98.0	158.0

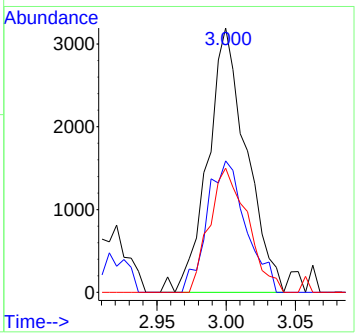


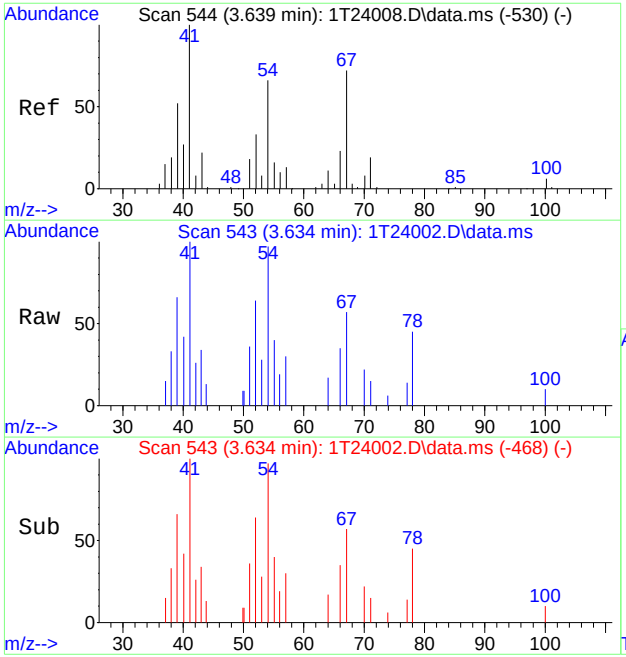


#41
chloroform
Concen: 3.54 ug/L
RT: 3.000 min Scan# 422
Delta R.T. -0.005 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion: 47 Resp: 6177

Ion	Ratio	Lower	Upper
47	100		
48	49.7	19.2	79.2
87	47.0	18.5	78.5

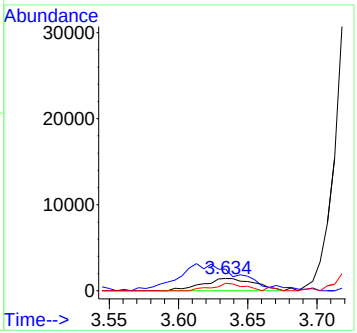


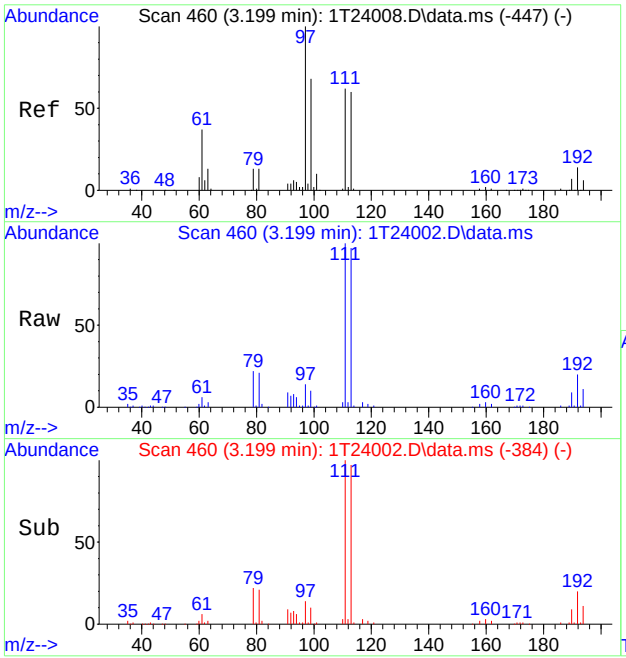


#43
methacrylonitrile
Concen: 2.43 ug/L
RT: 3.634 min Scan# 543
Delta R.T. -0.005 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion: 67 Resp: 3778

Ion	Ratio	Lower	Upper
67	100		
41	150.3	109.1	169.1
66	61.2	2.0	62.0

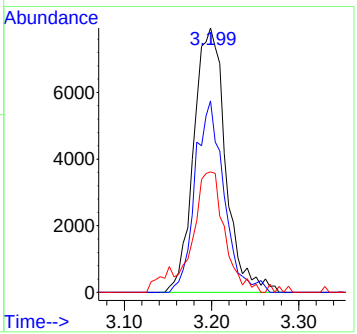


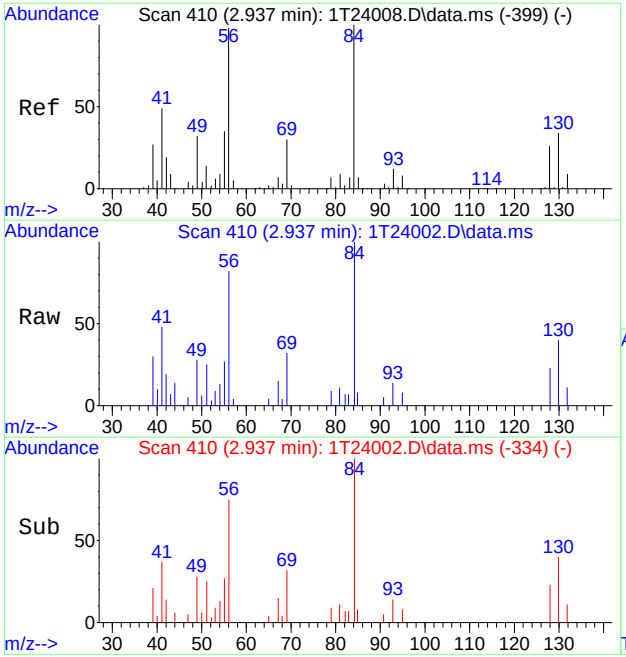


#44
1,1,1-trichloroethane
Concen: 3.98 ug/L
RT: 3.199 min Scan# 460
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion: 97 Resp: 20185

Ion	Ratio	Lower	Upper
97	100		
99	72.4	38.0	98.0
61	45.6	11.6	71.6

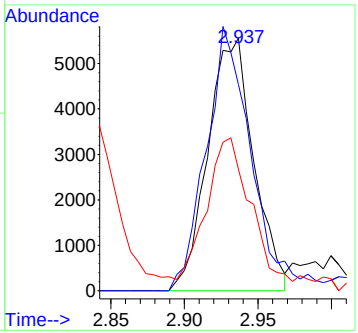


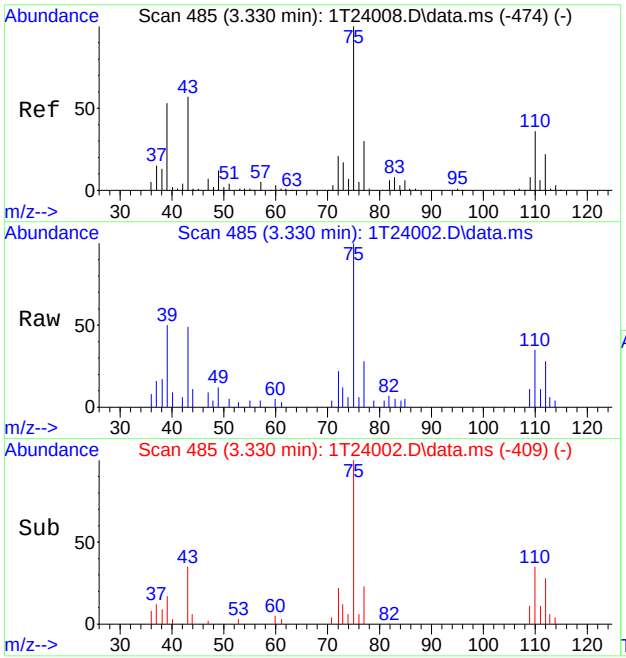


#45
cyclohexane
Concen: 3.16 ug/L
RT: 2.937 min Scan# 410
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion: 84 Resp: 12030

Ion	Ratio	Lower	Upper
84	100		
56	81.7	78.4	118.4
41	42.8	30.2	70.2

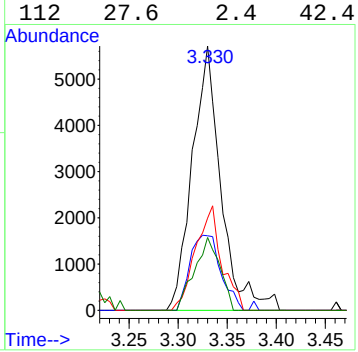


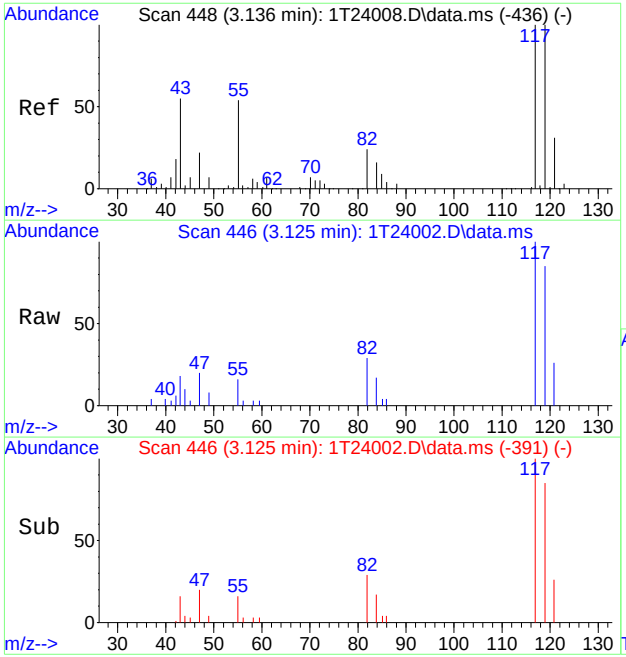


#46
1,1-dichloropropene
Concen: 3.42 ug/L
RT: 3.330 min Scan# 485
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion: 75 Resp: 11641

Ion	Ratio	Lower	Upper
75	100		
77	28.2	9.7	49.7
110	34.9	15.7	55.7
112	27.6	2.4	42.4

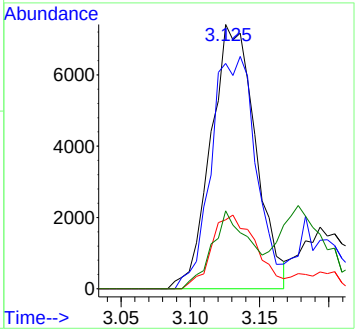


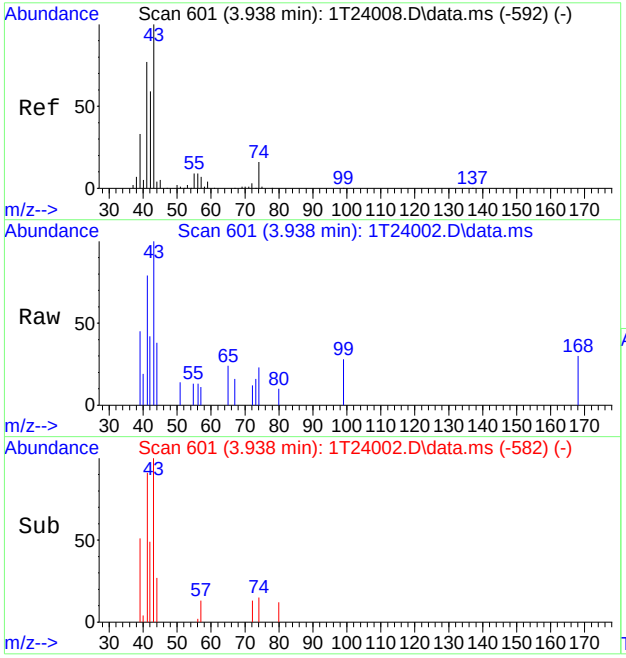


#47
carbon tetrachloride
Concen: 3.73 ug/L
RT: 3.125 min Scan# 446
Delta R.T. -0.010 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion:117 Resp: 16558

Ion	Ratio	Lower	Upper
117	100		
119	85.3	80.5	120.5
121	26.1	11.1	51.1
82	29.4	4.2	44.2

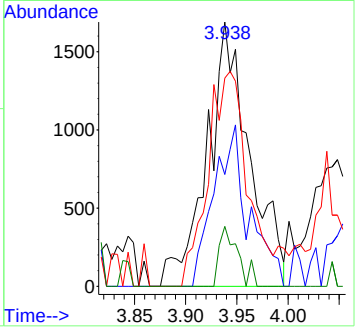


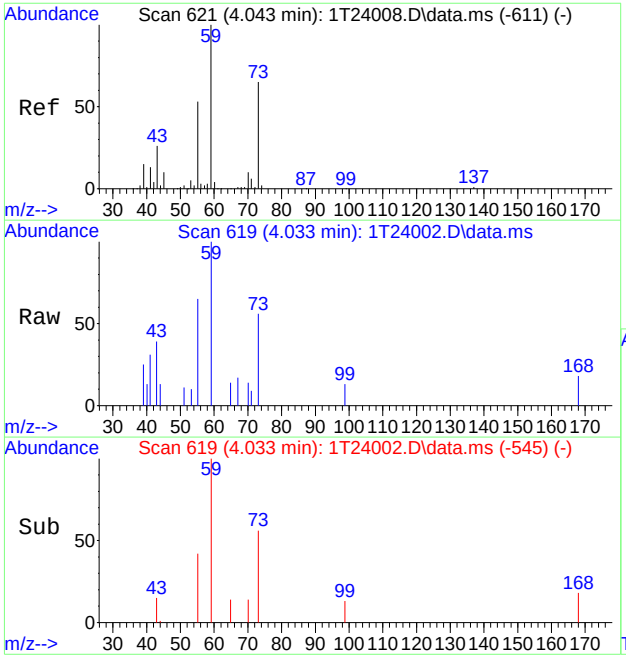


#48
isobutyl alcohol
Concen: 34.75 ug/L
RT: 3.938 min Scan# 601
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion: 43 Resp: 4887

Ion	Ratio	Lower	Upper
43	100		
42	42.3	39.1	79.1
41	78.8	57.3	97.3
74	22.7	0.0	35.9

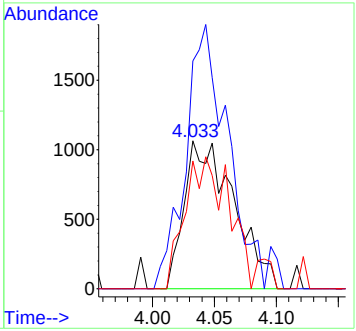


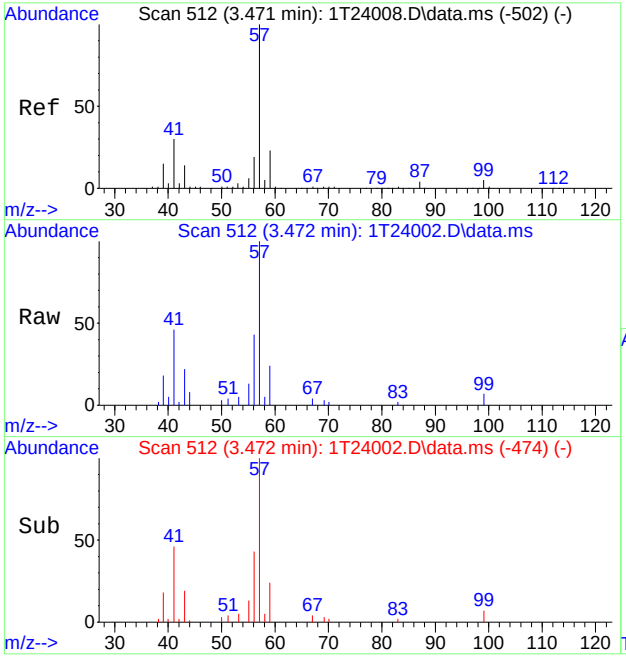


#49
tert-amyl alcohol
Concen: 16.78 ug/L
RT: 4.033 min Scan# 619
Delta R.T. -0.010 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion: 55 Resp: 2954

Ion	Ratio	Lower	Upper
55	100		
59	154.0	167.3	207.3#
73	86.3	102.0	142.0#

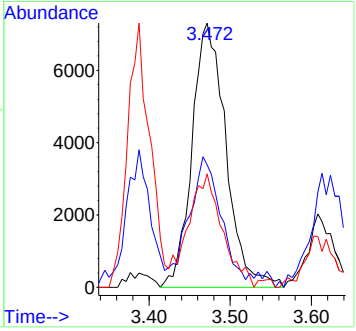


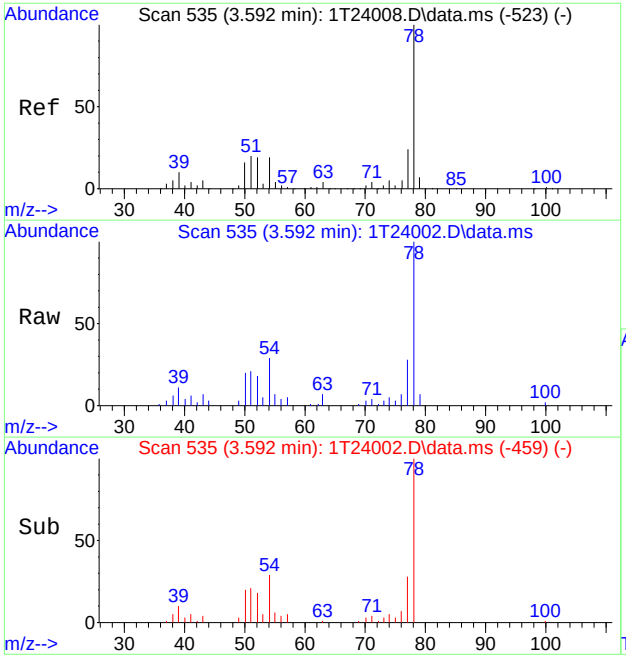


#52
iso-octane
Concen: 3.58 ug/L
RT: 3.472 min Scan# 512
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion: 57 Resp: 21241

Ion	Ratio	Lower	Upper
57	100		
41	46.3	17.8	57.8
56	40.9	15.2	55.2

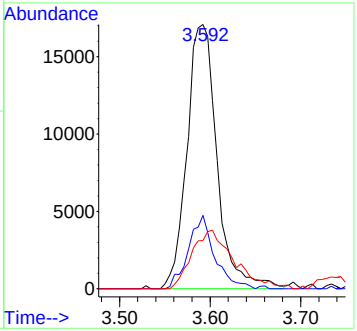


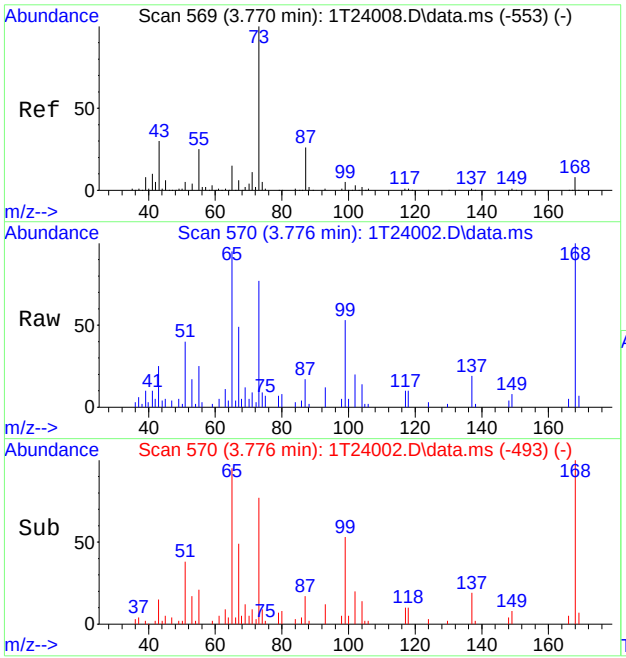


#53
benzene
Concen: 3.66 ug/L
RT: 3.592 min Scan# 535
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion: 78 Resp: 39505

Ion	Ratio	Lower	Upper
78	100		
77	27.8	0.0	54.3
52	18.2	0.0	48.8

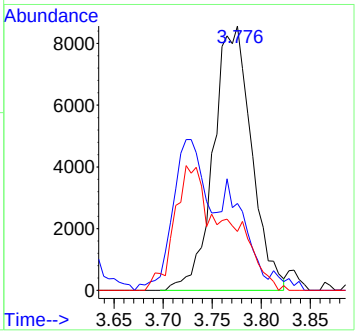


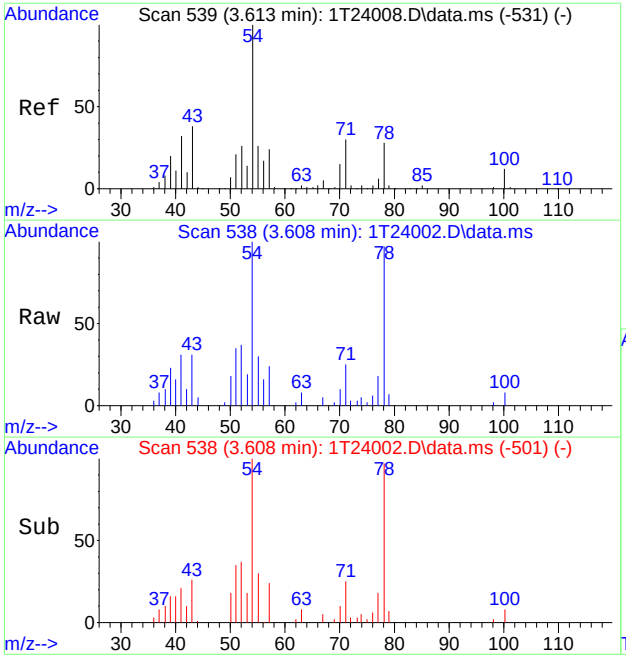


#54
tert-amyl methyl ether
Concen: 3.18 ug/L
RT: 3.776 min Scan# 570
Delta R.T. 0.005 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion: 73 Resp: 23070

Ion	Ratio	Lower	Upper
73	100		
55	29.6	5.6	45.6
87	20.6	6.1	46.1

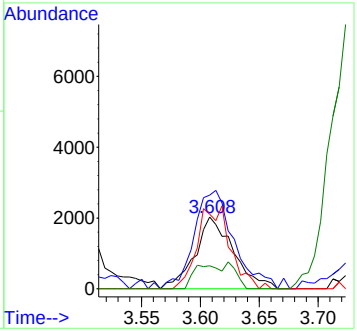


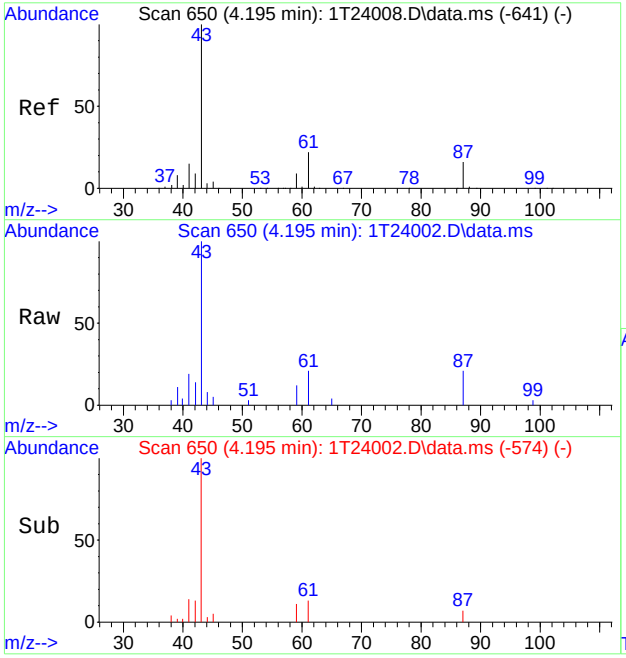


#55
heptane
Concen: 3.90 ug/L
RT: 3.608 min Scan# 538
Delta R.T. -0.005 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion: 57 Resp: 4625

Ion	Ratio	Lower	Upper
57	100		
43	130.5	120.9	180.9
71	103.9	89.7	149.7
100	32.1	15.5	75.5

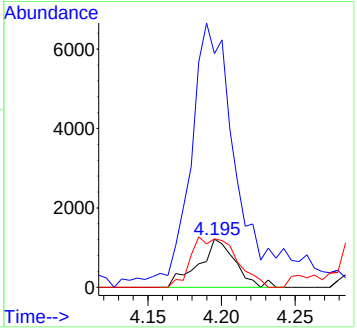


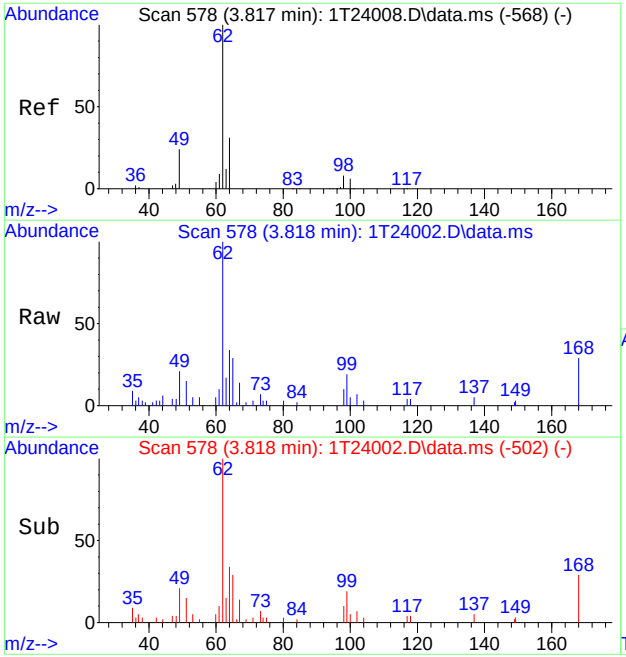


#56
isopropyl acetate
Concen: 2.57 ug/L
RT: 4.195 min Scan# 650
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion: 87 Resp: 2101

Ion	Ratio	Lower	Upper
87	100		
43	456.3	606.7	666.7#
61	100.6	109.0	169.0#

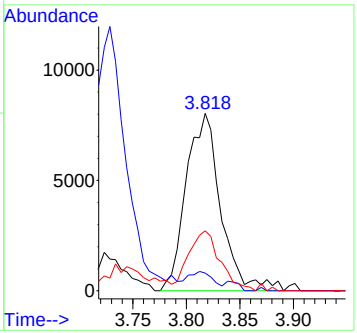


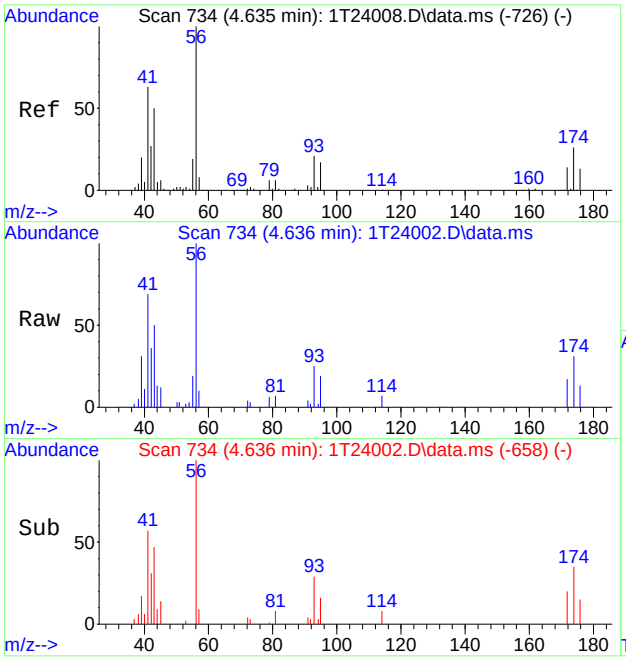


#57
1,2-dichloroethane
Concen: 3.60 ug/L
RT: 3.818 min Scan# 578
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion: 62 Resp: 18091

Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	39.3
64	33.8	1.8	61.8

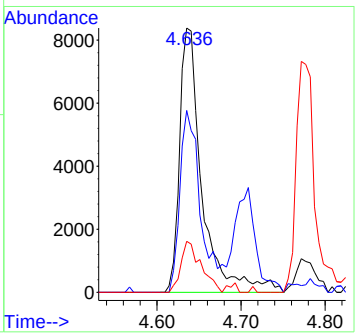


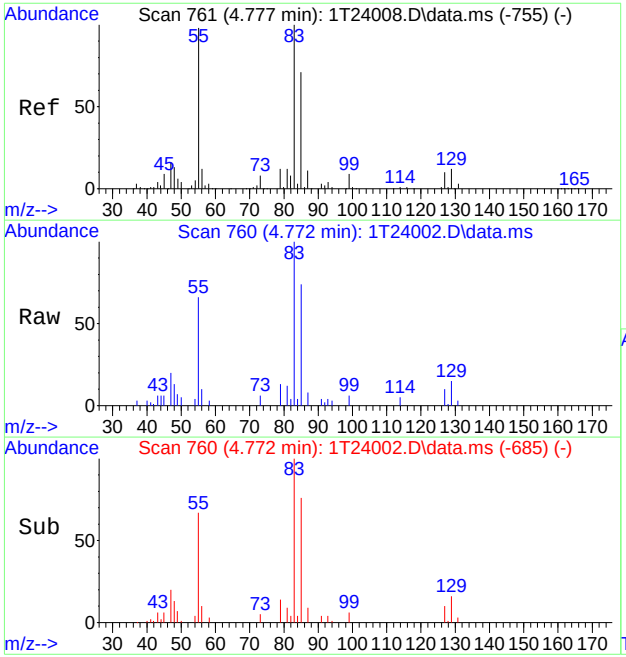


#58
n-butyl alcohol
Concen: 136.65 ug/L
RT: 4.636 min Scan# 734
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion: 56 Resp: 15510

Ion	Ratio	Lower	Upper
56	100		
41	68.8	42.6	82.6
55	19.3	0.0	38.9

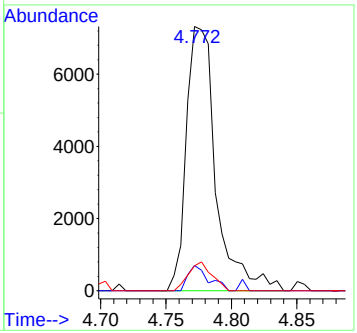


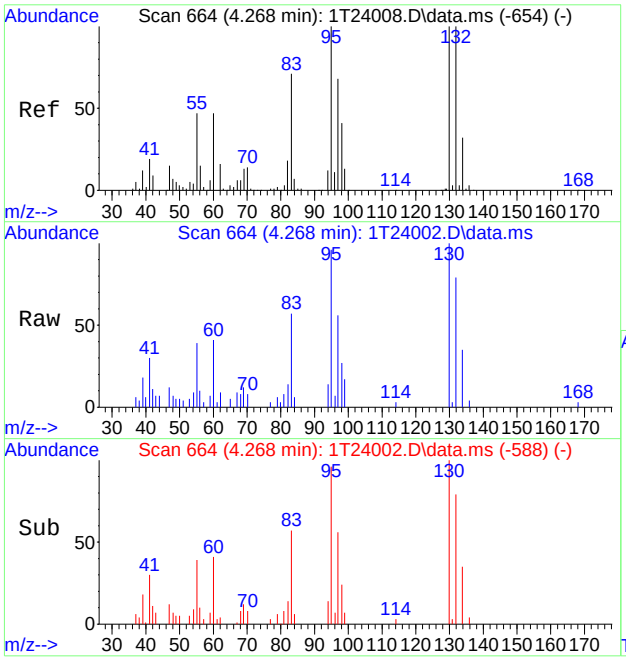


#59
ethyl acrylate
Concen: 3.46 ug/L
RT: 4.772 min Scan# 760
Delta R.T. -0.005 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion: 55 Resp: 11543

Ion	Ratio	Lower	Upper
55	100		
73	9.5	0.0	37.8
99	9.4	0.0	39.3

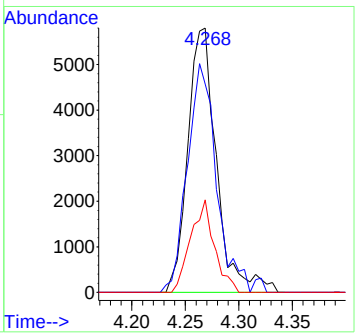


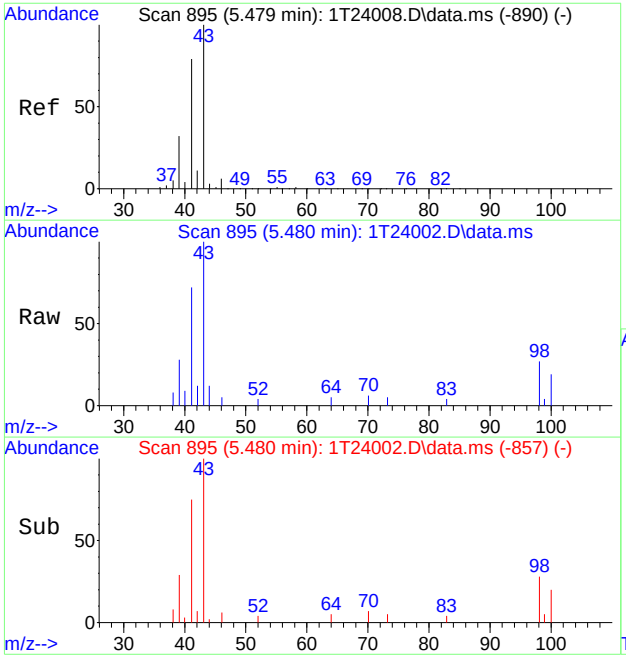


#60
trichloroethene
Concen: 3.92 ug/L
RT: 4.268 min Scan# 664
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion:130 Resp: 10857

Ion	Ratio	Lower	Upper
130	100		
132	78.8	69.8	129.8
134	35.0	2.3	62.3

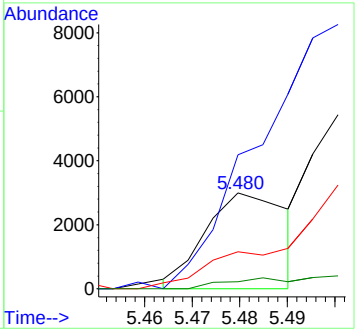


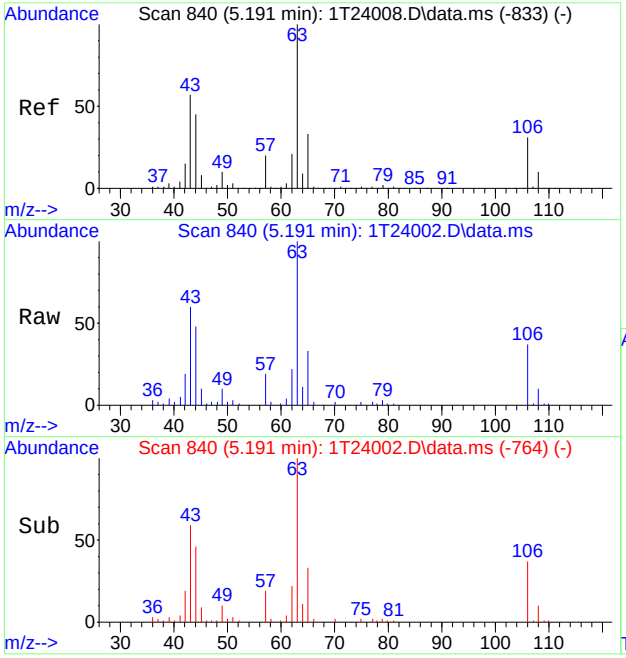


#61
2-nitropropane
Concen: 3.19 ug/L m
RT: 5.480 min Scan# 895
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion: 41 Resp: 3562

Ion	Ratio	Lower	Upper
41	100		
43	139.8	96.2	156.2
39	38.7	11.9	71.9
46	7.3	0.0	37.2

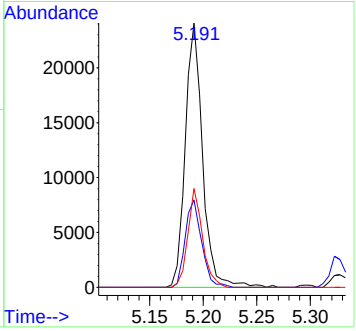


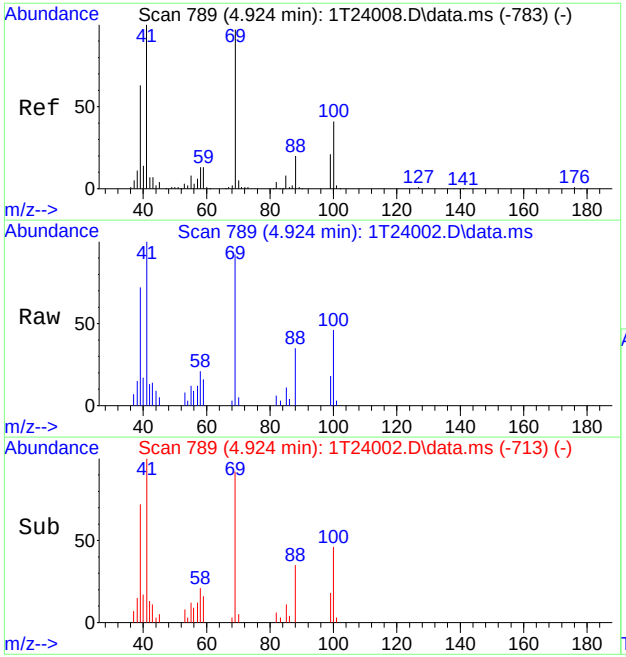


#62
2-chloroethyl vinyl ether
Concen: 17.06 ug/L
RT: 5.191 min Scan# 840
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion: 63 Resp: 27185

Ion	Ratio	Lower	Upper
63	100		
65	33.1	2.7	62.7
106	37.4	0.6	60.6

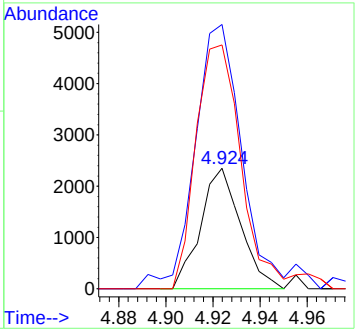


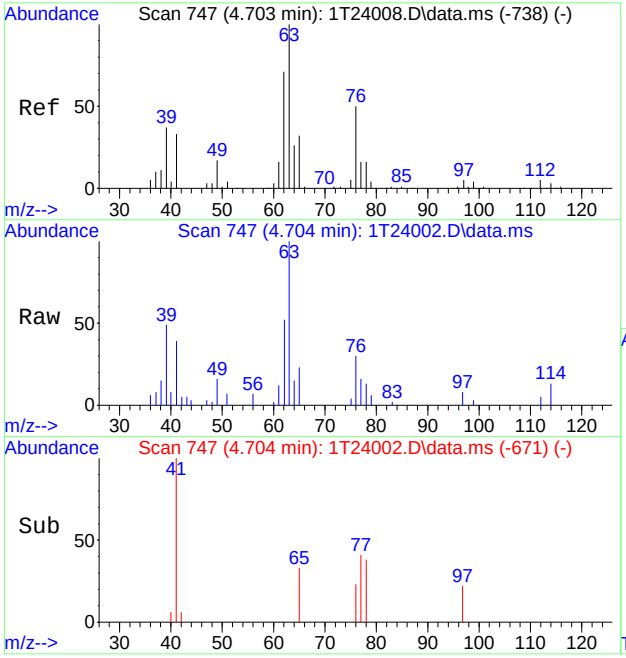


#63
methyl methacrylate
Concen: 3.50 ug/L
RT: 4.924 min Scan# 789
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion:100 Resp: 2785

Ion	Ratio	Lower	Upper
100	100		
41	211.3	214.5	274.5#
69	202.2	207.6	267.6#

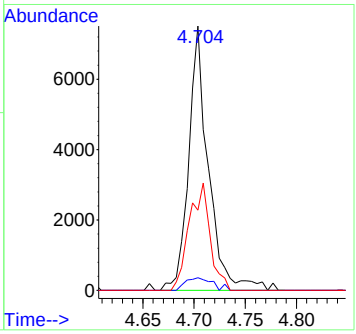


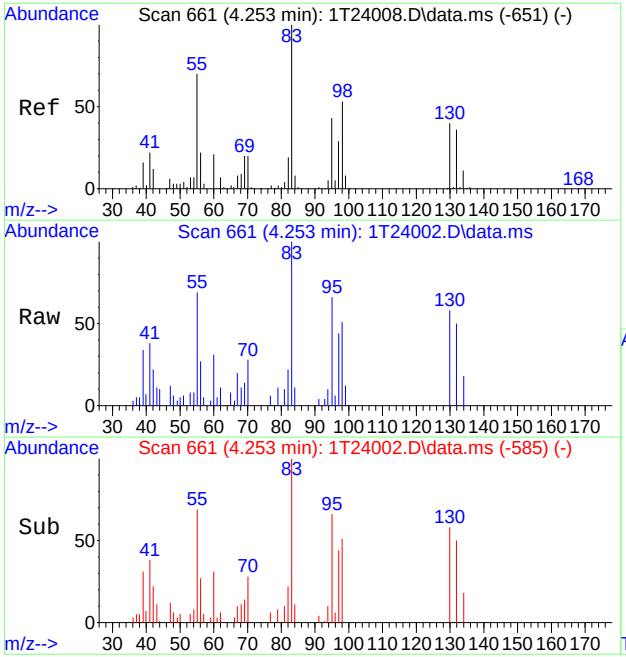


#64
1,2-dichloropropane
Concen: 3.63 ug/L
RT: 4.704 min Scan# 747
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion: 63 Resp: 10151

Ion	Ratio	Lower	Upper
63	100		
112	4.8	0.0	34.7
76	30.3	20.1	80.1

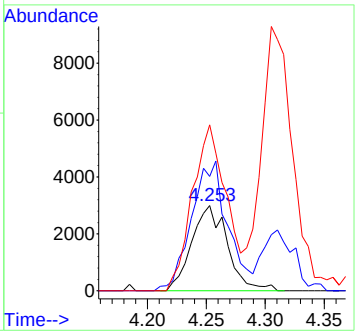


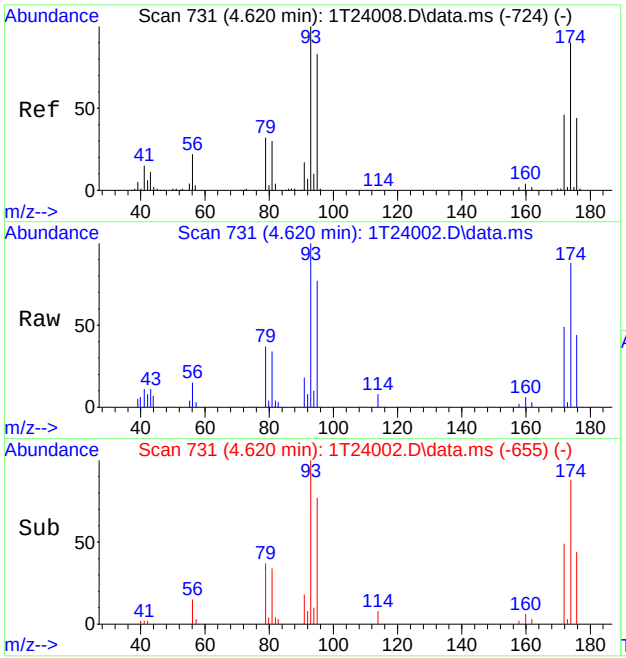


#65
methylcyclohexane
Concen: 3.20 ug/L
RT: 4.253 min Scan# 661
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion: 98 Resp: 6335

Ion	Ratio	Lower	Upper
98	100		
55	129.3	102.6	162.6
83	194.7	188.2	188.2#

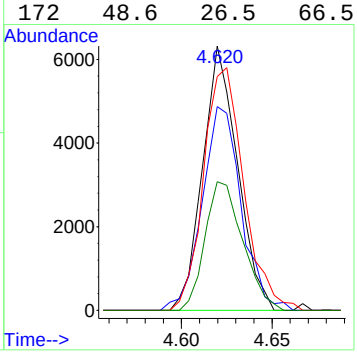


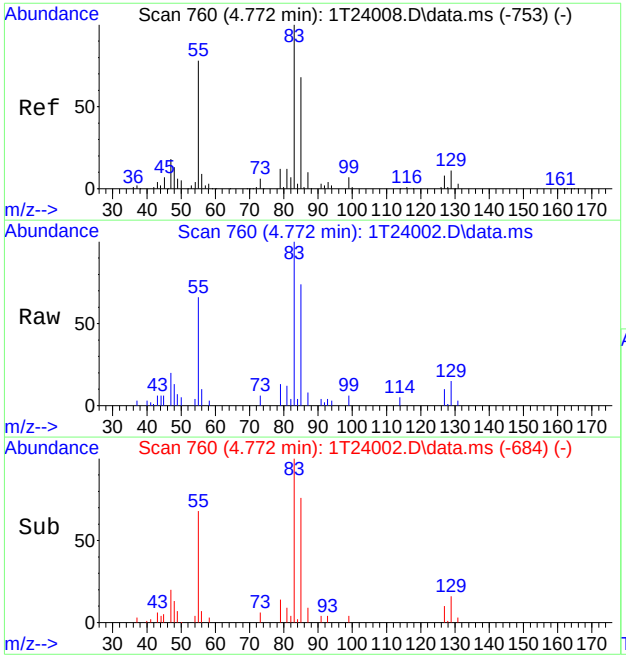


#66
dibromomethane
Concen: 3.31 ug/L
RT: 4.620 min Scan# 731
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion: 93 Resp: 8453

Ion	Ratio	Lower	Upper
93	100		
95	77.1	53.3	113.3
174	88.4	59.6	119.6
172	48.6	26.5	66.5

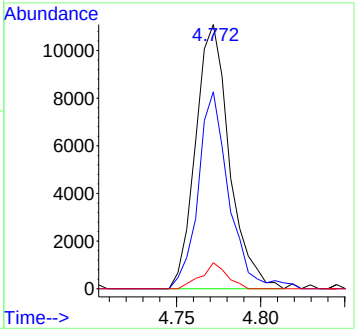


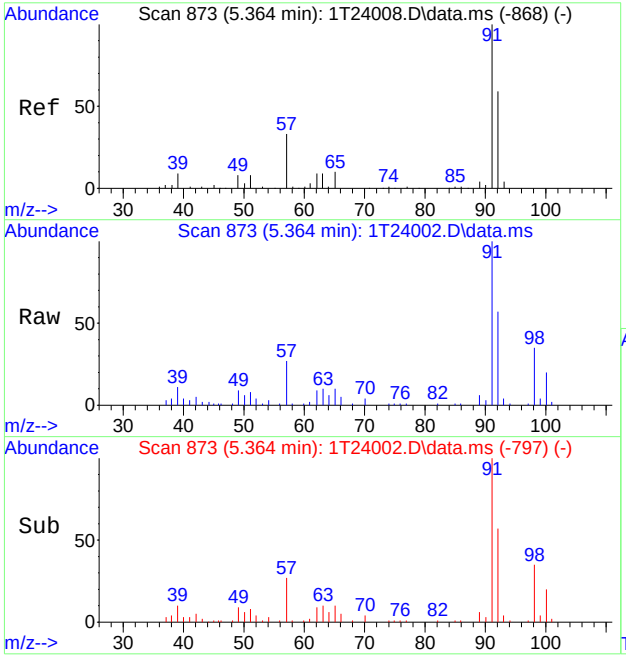


#67
bromodichloromethane
Concen: 3.45 ug/L
RT: 4.772 min Scan# 760
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion: 83 Resp: 15536

Ion	Ratio	Lower	Upper
83	100		
85	74.5	38.0	98.0
127	9.9	0.0	38.3

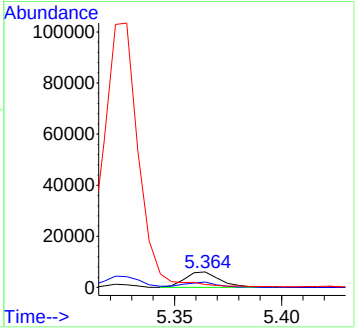


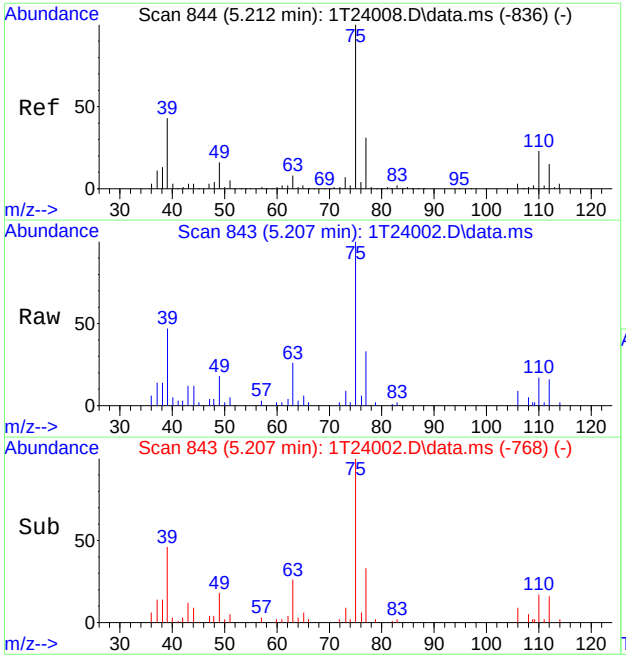


#68
epichlorohydrin
Concen: 16.26 ug/L
RT: 5.364 min Scan# 873
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion: 57 Resp: 6881

Ion	Ratio	Lower	Upper
57	100		
49	33.9	5.6	45.6
42	13.6	0.0	29.5

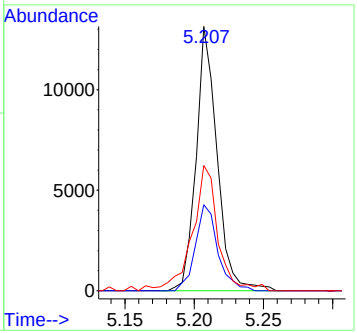


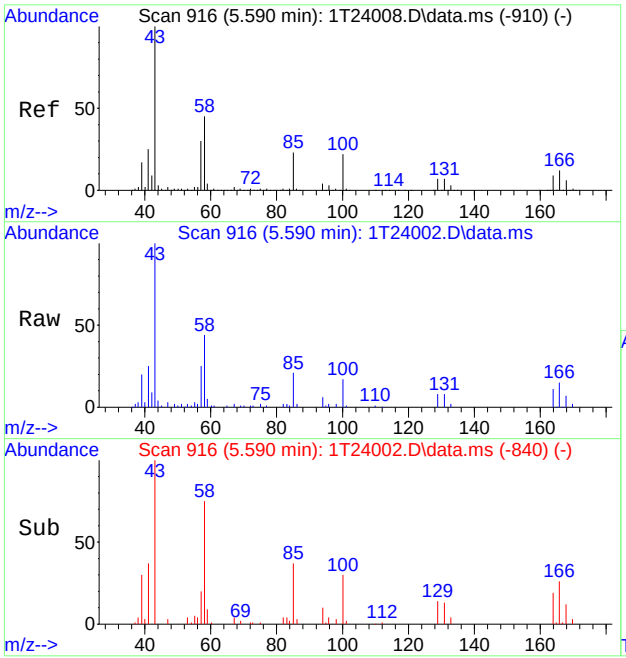


#69
cis-1,3-dichloropropene
Concen: 3.50 ug/L
RT: 5.207 min Scan# 843
Delta R.T. -0.005 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion: 75 Resp: 13846

Ion	Ratio	Lower	Upper
75	100		
77	32.5	1.4	61.4
39	47.4	13.3	73.3

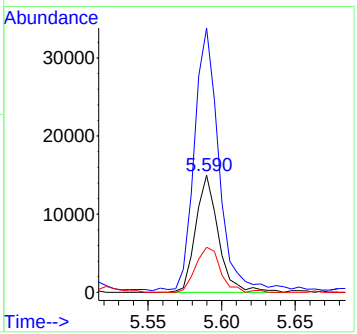


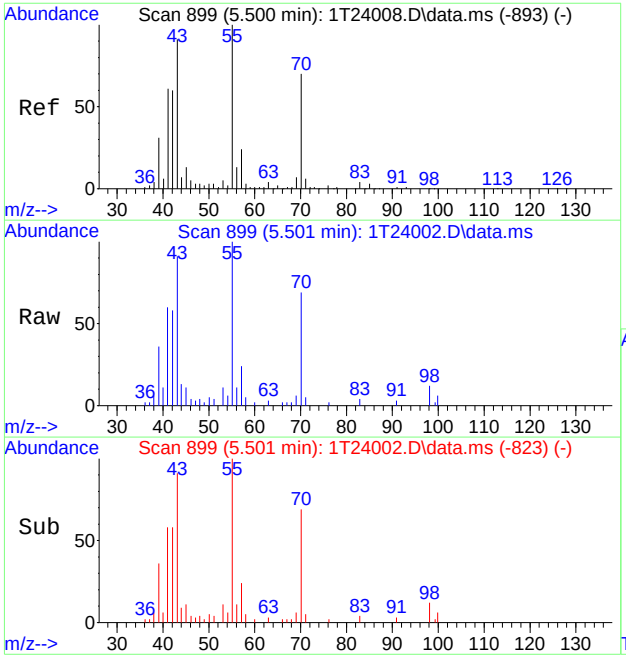


#70
4-methyl-2-pentanone
Concen: 13.09 ug/L
RT: 5.590 min Scan# 916
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion: 58 Resp: 16043

Ion	Ratio	Lower	Upper
58	100		
43	222.3	192.2	252.2
100	38.6	18.2	78.2

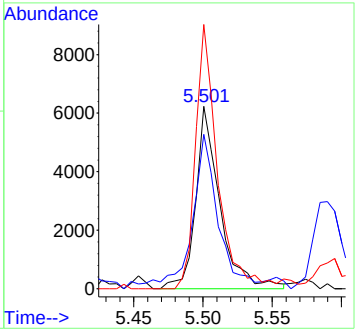


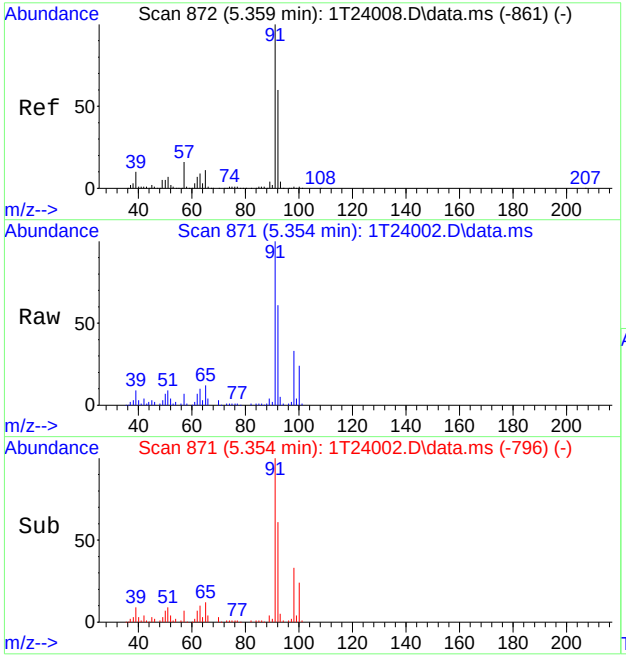


#71
3-methyl-1-butanol
Concen: 68.44 ug/L
RT: 5.501 min Scan# 899
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion: 70 Resp: 7564

Ion	Ratio	Lower	Upper
70	100		
42	81.0	54.9	114.9
55	144.9	112.0	172.0

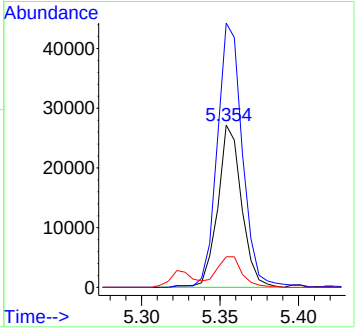


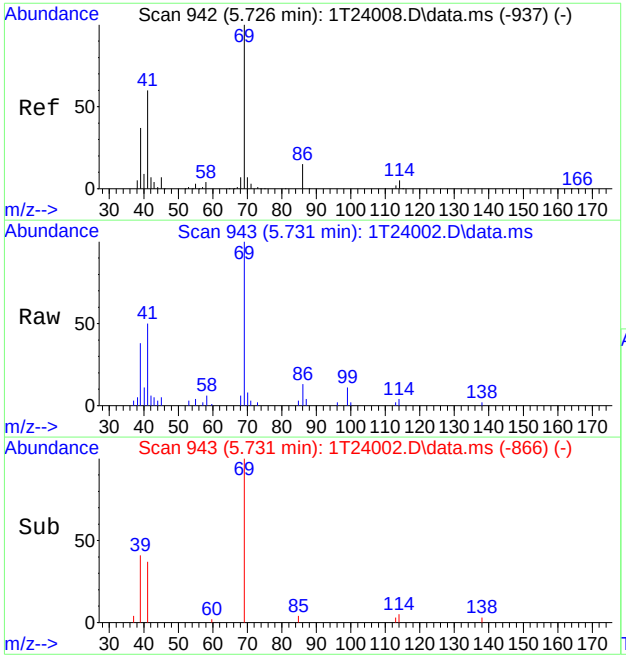


#74
toluene
Concen: 3.57 ug/L
RT: 5.354 min Scan# 871
Delta R.T. -0.005 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion: 92 Resp: 28733

Ion	Ratio	Lower	Upper
92	100		
91	162.9	147.9	187.9
65	18.9	0.0	38.0

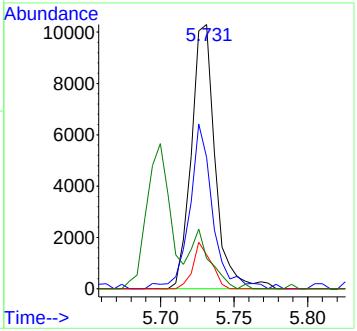


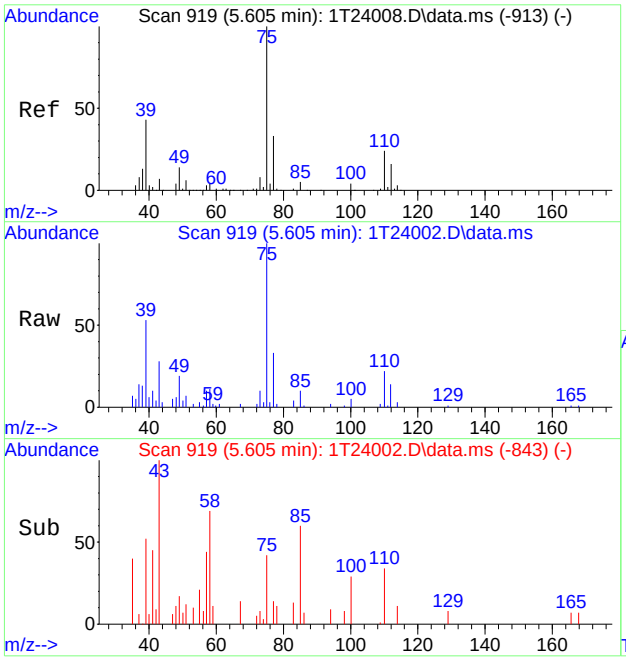


#75
ethyl methacrylate
Concen: 3.55 ug/L
RT: 5.731 min Scan# 943
Delta R.T. 0.005 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion: 69 Resp: 11605

Ion	Ratio	Lower	Upper
69	100		
41	49.7	40.2	80.2
86	12.9	0.0	35.4
99	11.5	0.0	39.8

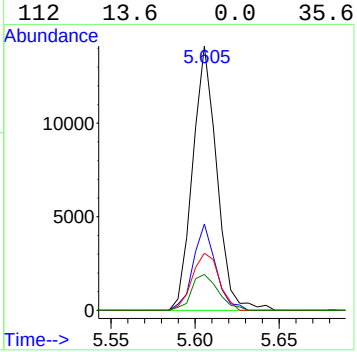


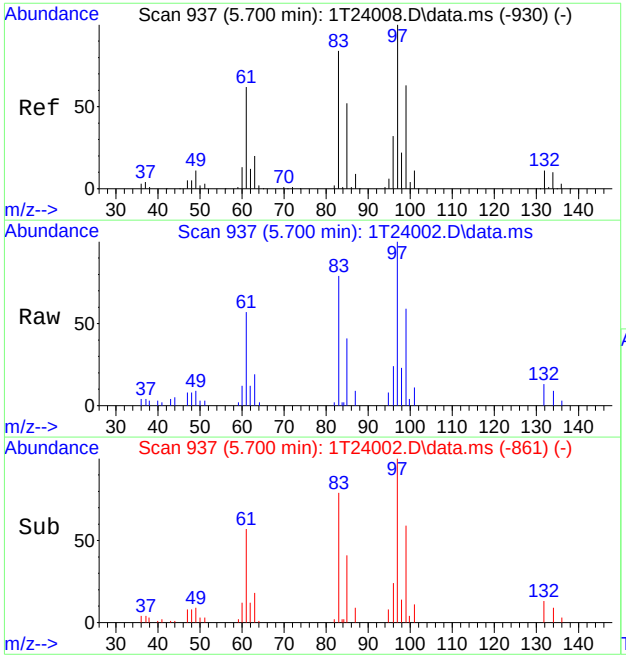


#76
trans-1,3-dichloropropene
Concen: 3.13 ug/L
RT: 5.605 min Scan# 919
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion: 75 Resp: 14130

Ion	Ratio	Lower	Upper
75	100		
77	32.7	12.7	52.7
110	21.6	4.1	44.1
112	13.6	0.0	35.6

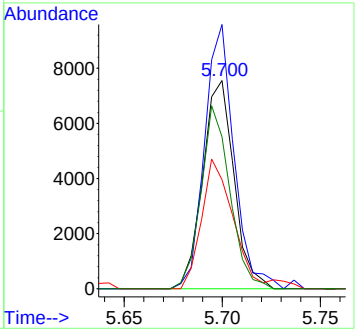


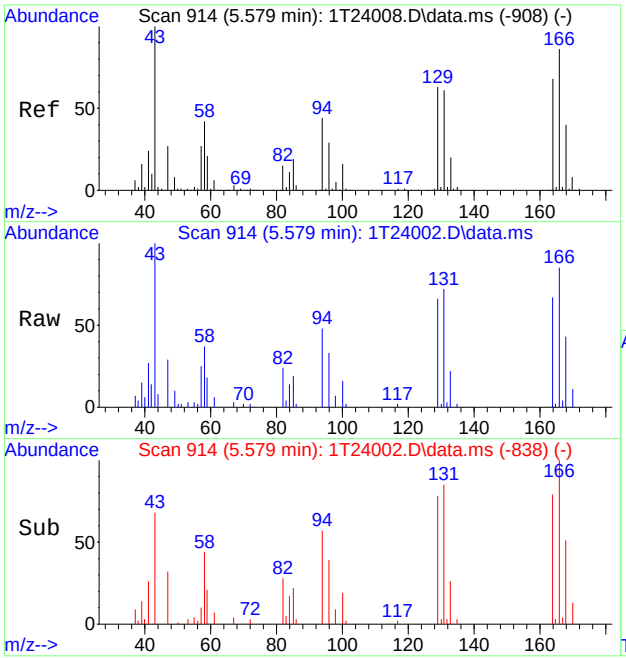


#77
1,1,2-trichloroethane
Concen: 3.66 ug/L
RT: 5.700 min Scan# 937
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion: 83 Resp: 8397

Ion	Ratio	Lower	Upper
83	100		
97	127.0	98.8	138.8
85	52.5	41.6	81.6
61	73.0	53.7	93.7

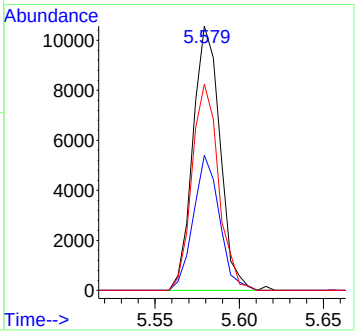


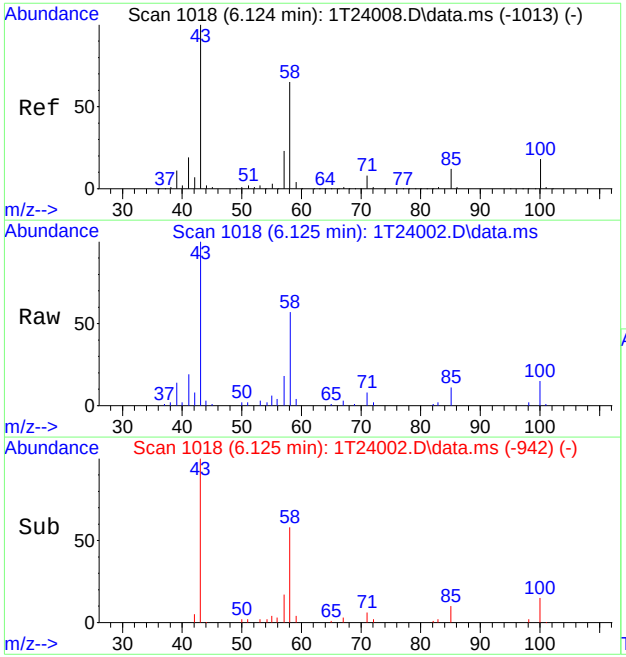


#78
tetrachloroethene
Concen: 3.61 ug/L
RT: 5.579 min Scan# 914
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion:166 Resp: 11892

Ion	Ratio	Lower	Upper
166	100		
168	51.1	16.8	76.8
129	78.1	43.9	103.9

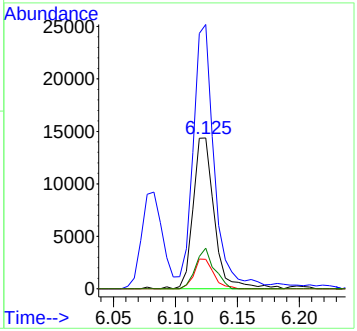


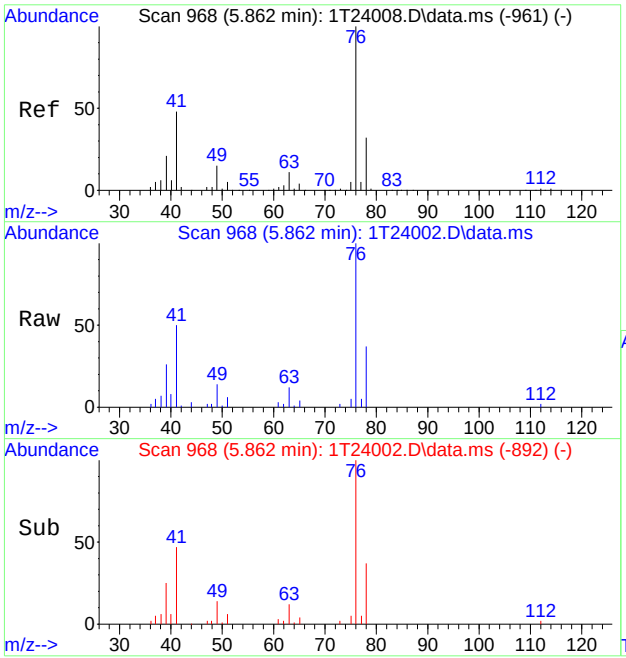


#79
2-hexanone
Concen: 15.03 ug/L
RT: 6.125 min Scan# 1018
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion: 58 Resp: 17210

Ion	Ratio	Lower	Upper
58	100		
43	172.2	139.1	179.1
85	19.5	0.0	38.1
100	26.9	7.8	47.8

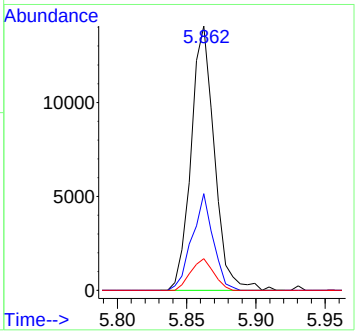


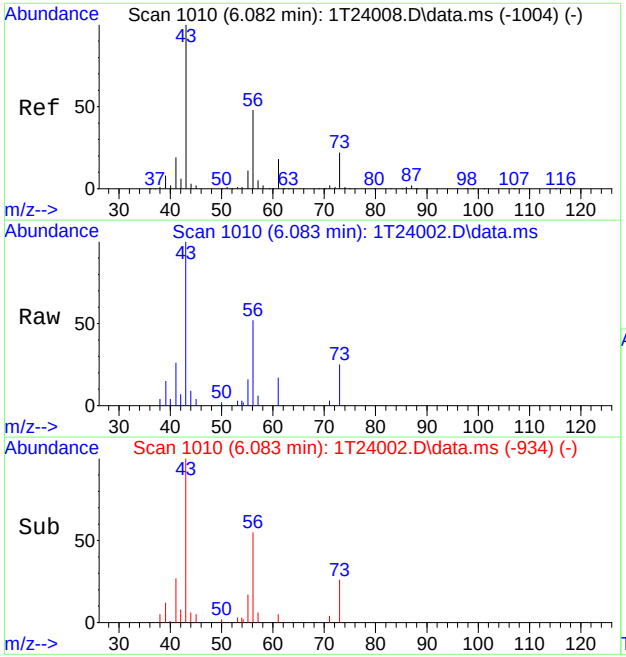


#80
1,3-dichloropropane
Concen: 3.48 ug/L
RT: 5.862 min Scan# 968
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion: 76 Resp: 16457

Ion	Ratio	Lower	Upper
76	100		
78	36.6	2.1	62.1
63	12.0	0.0	40.7

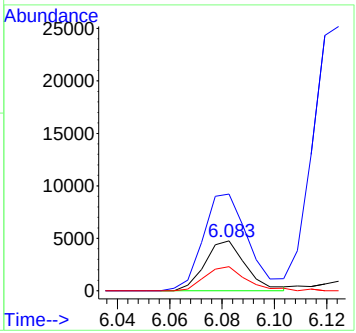


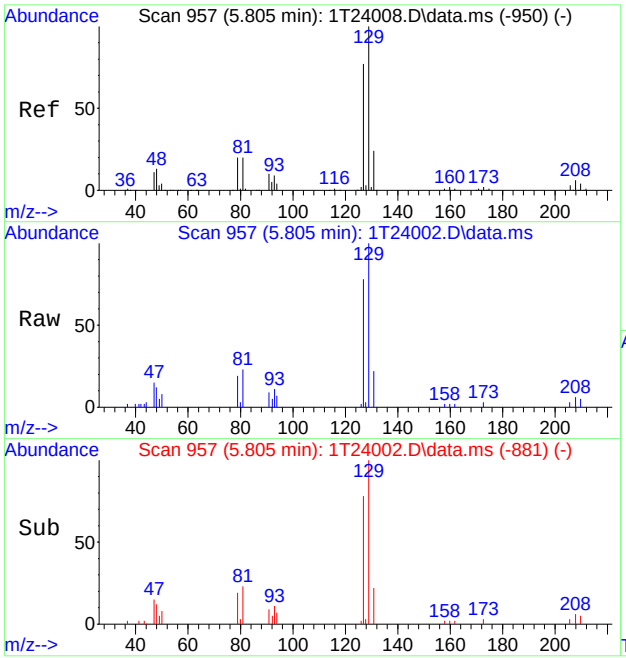


#81
butyl acetate
Concen: 3.25 ug/L
RT: 6.083 min Scan# 1010
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion: 56 Resp: 5178

Ion	Ratio	Lower	Upper
56	100		
43	193.7	177.8	237.8
73	48.3	16.2	76.2

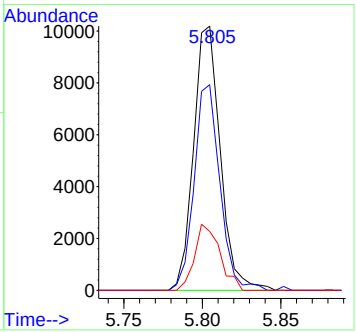


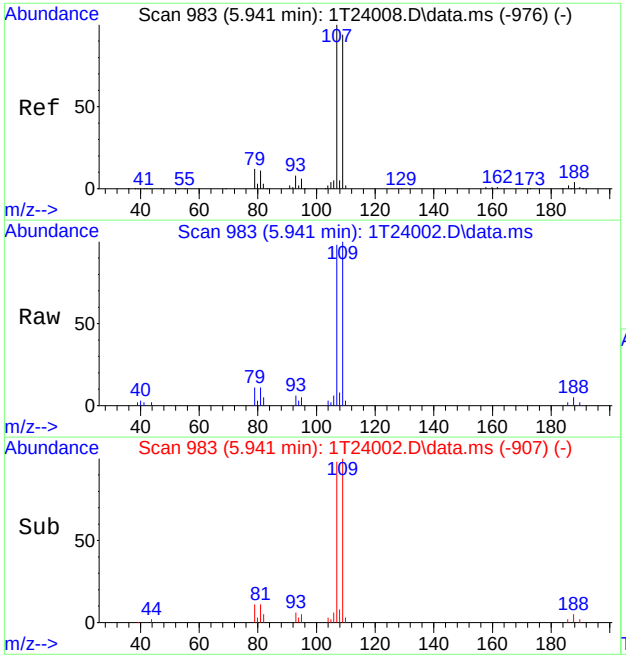


#82
dibromochloromethane
Concen: 3.43 ug/L
RT: 5.805 min Scan# 957
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion:129 Resp: 12094

Ion	Ratio	Lower	Upper
129	100		
127	77.8	47.5	107.5
131	22.3	0.0	54.1

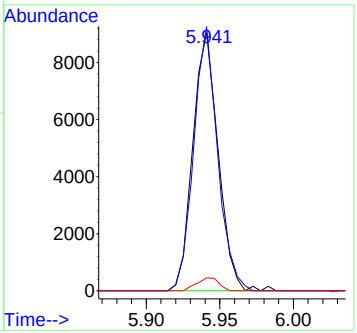


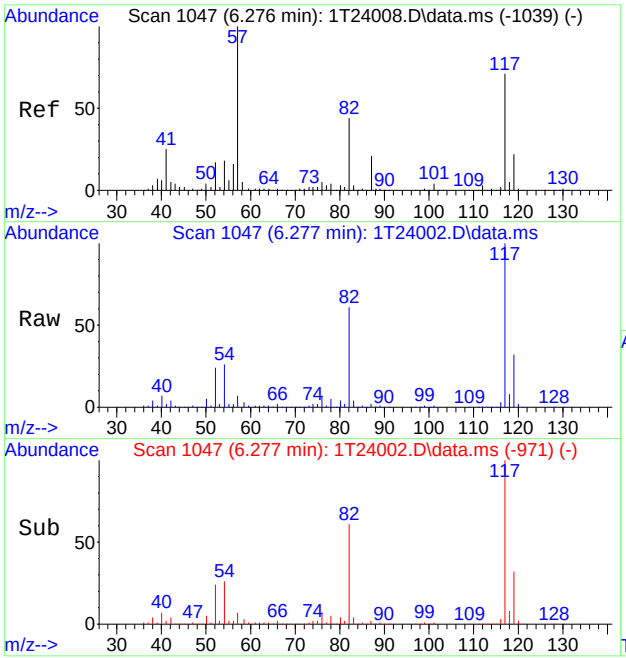


#83
1,2-dibromoethane
Concen: 3.55 ug/L
RT: 5.941 min Scan# 983
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion:107 Resp: 10805

Ion	Ratio	Lower	Upper
107	100		
109	102.4	64.0	124.0
188	5.0	0.0	33.9

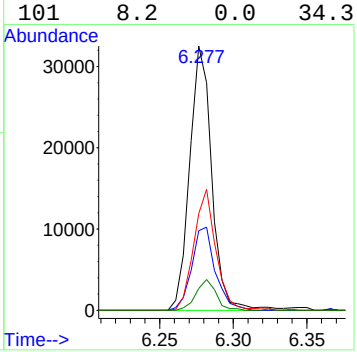


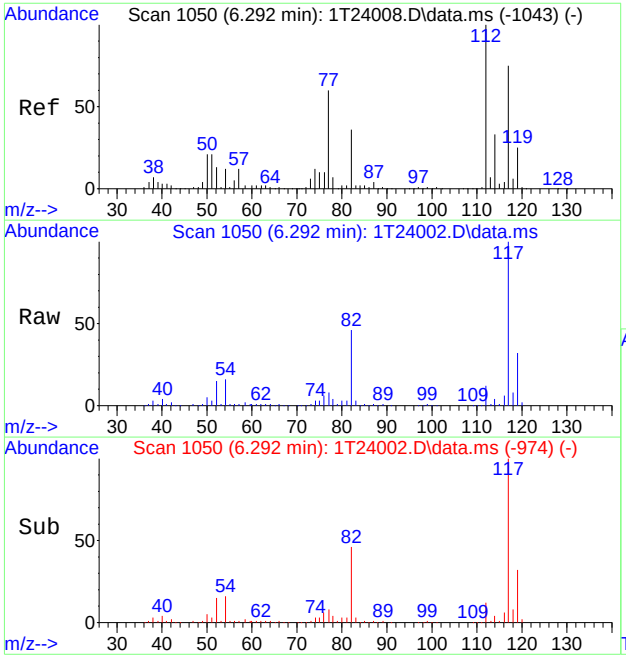


#84
n-butyl ether
Concen: 3.40 ug/L
RT: 6.277 min Scan# 1047
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion: 57 Resp: 33995

Ion	Ratio	Lower	Upper
57	100		
56	30.1	0.0	46.4
87	36.6	0.0	51.4
101	8.2	0.0	34.3

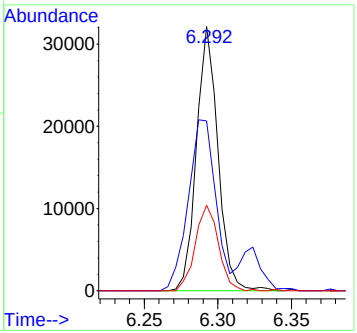


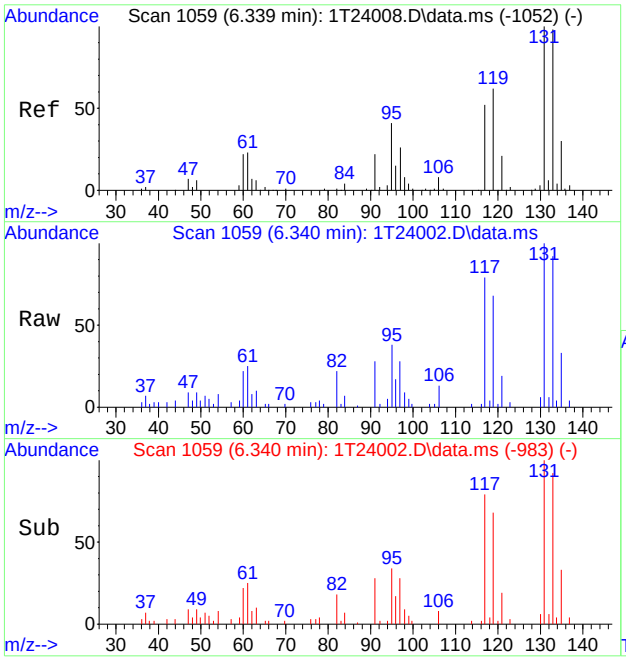


#85
chlorobenzene
Concen: 3.45 ug/L
RT: 6.292 min Scan# 1050
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion:112 Resp: 32634

Ion	Ratio	Lower	Upper
112	100		
77	64.3	29.6	89.6
114	32.3	3.1	63.1

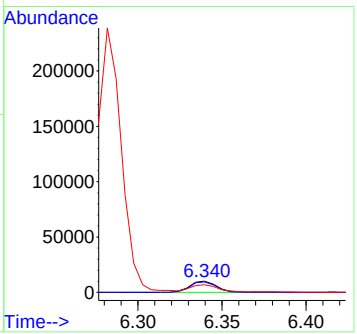


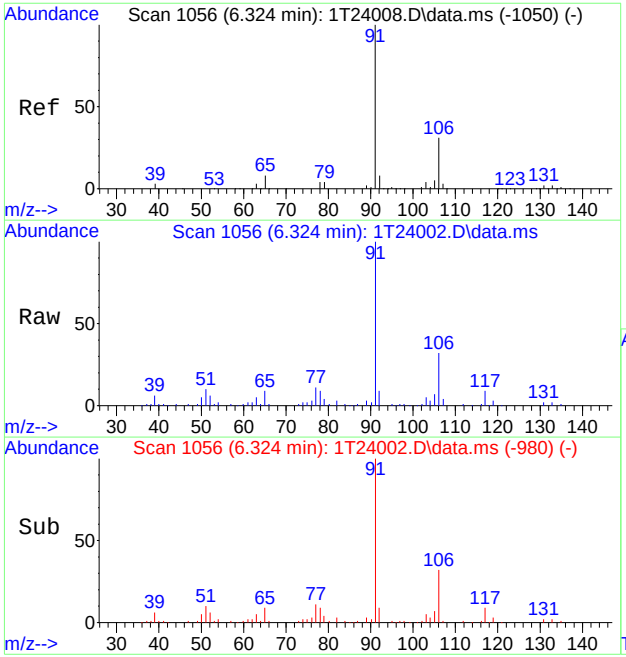


#86
1,1,1,2-tetrachloroethane
Concen: 3.61 ug/L
RT: 6.340 min Scan# 1059
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion:131 Resp: 11310

Ion	Ratio	Lower	Upper
131	100		
133	91.8	67.5	127.5
119	64.1	36.1	96.1

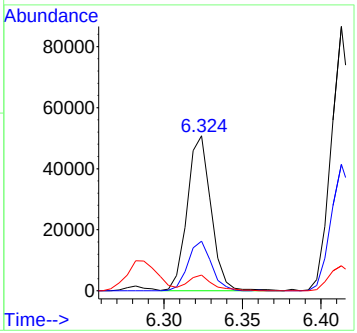


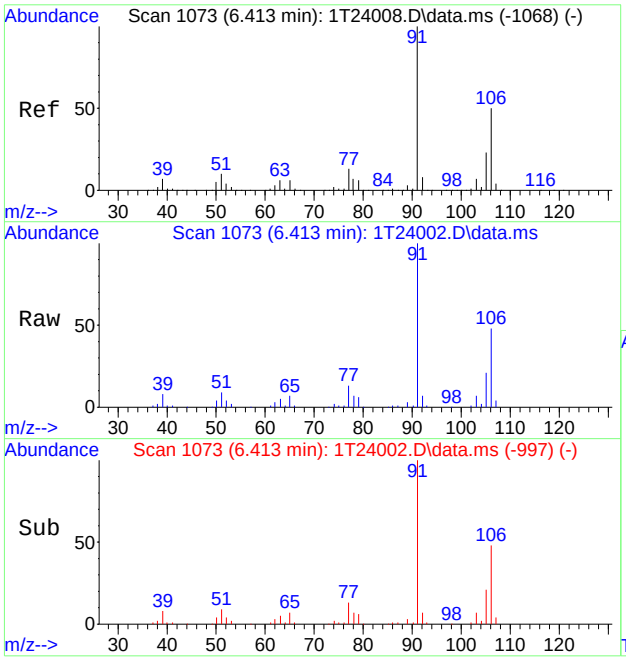


#87
ethylbenzene
Concen: 3.61 ug/L
RT: 6.324 min Scan# 1056
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion: 91 Resp: 53522

Ion	Ratio	Lower	Upper
91	100		
106	32.1	1.3	61.3
51	10.2	0.0	39.0

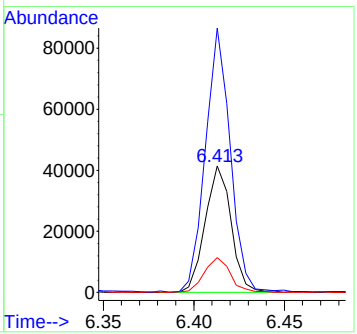


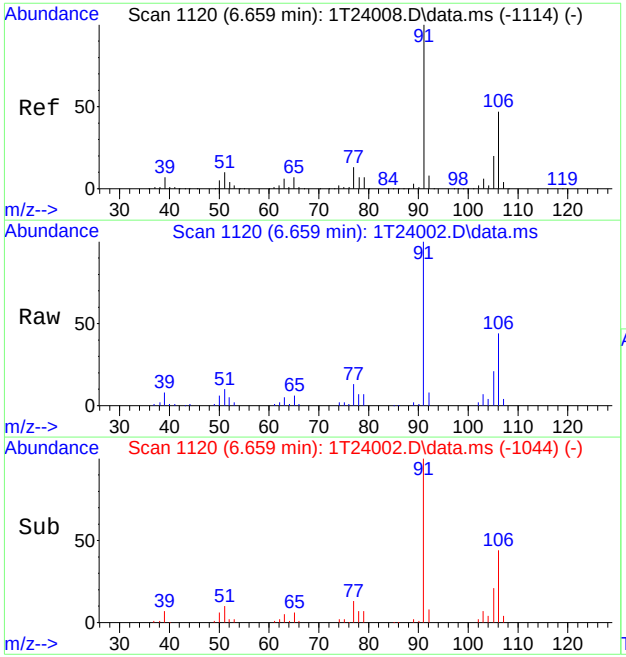


#88
m,p-xylene
Concen: 7.46 ug/L
RT: 6.413 min Scan# 1073
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion:106 Resp: 41248

Ion	Ratio	Lower	Upper
106	100		
91	208.1	169.8	229.8
77	27.5	6.7	46.7

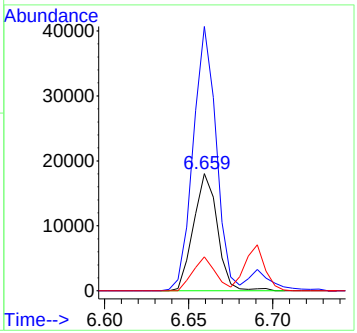


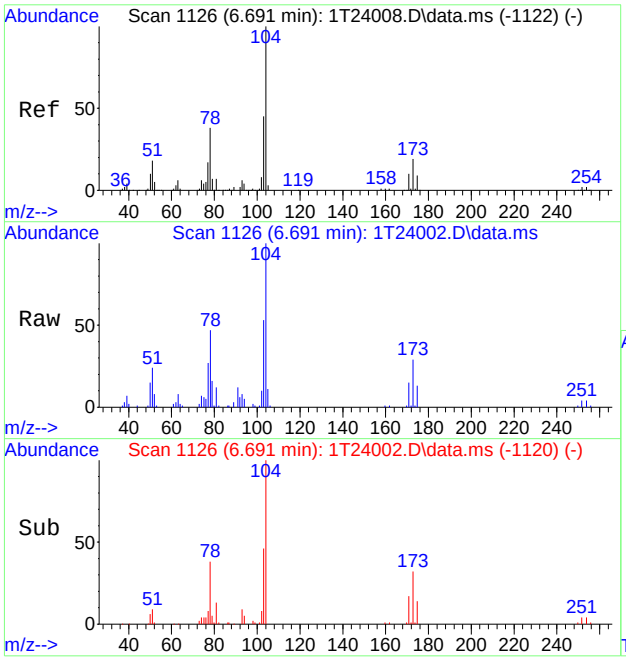


#89
o-xylene
Concen: 3.42 ug/L
RT: 6.659 min Scan# 1120
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion:106 Resp: 17878

Ion	Ratio	Lower	Upper
106	100		
91	225.4	181.7	241.7
77	28.9	6.5	46.5

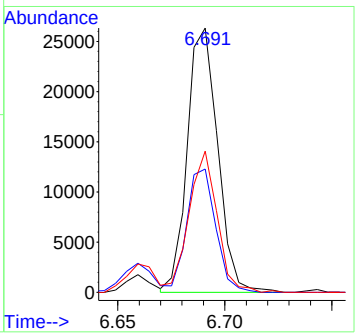


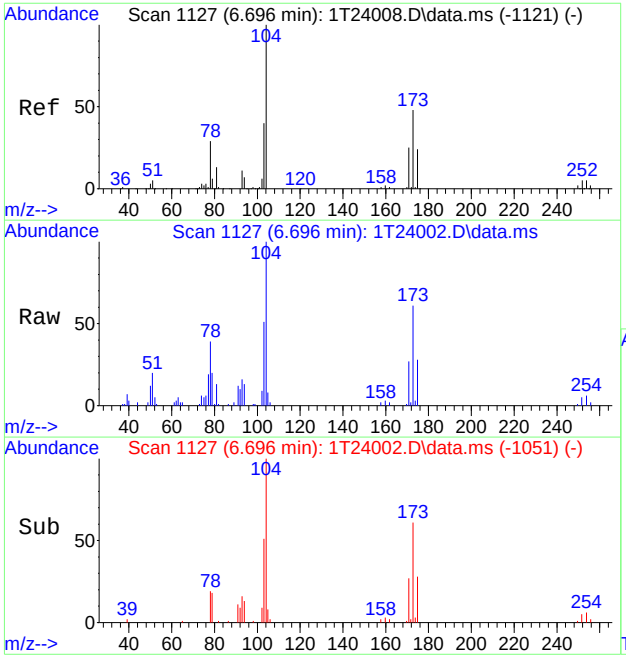


#90
styrene
Concen: 3.25 ug/L
RT: 6.691 min Scan# 1126
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion:104 Resp: 26147

Ion	Ratio	Lower	Upper
104	100		
78	46.6	9.6	69.6
103	53.4	16.5	76.5

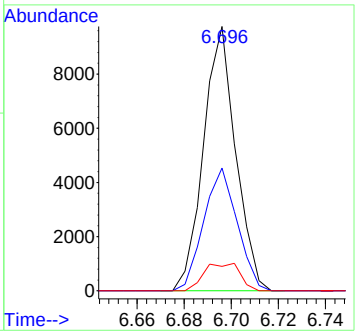


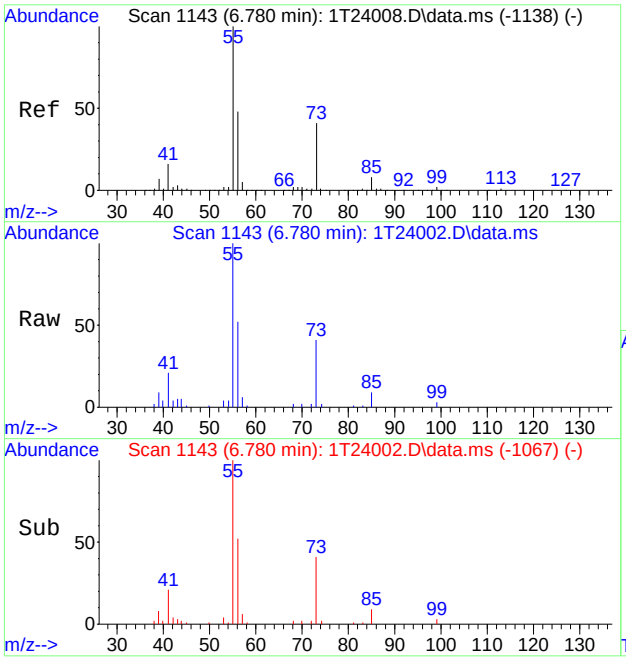


#91
bromoform
Concen: 3.35 ug/L
RT: 6.696 min Scan# 1127
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion:173 Resp: 9275

Ion	Ratio	Lower	Upper
173	100		
175	46.5	19.5	79.5
254	9.3	0.0	40.4

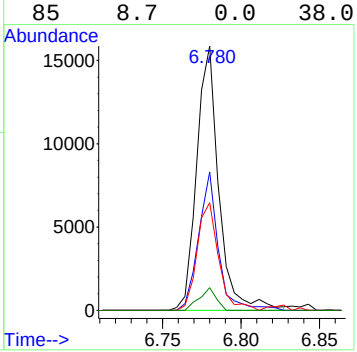


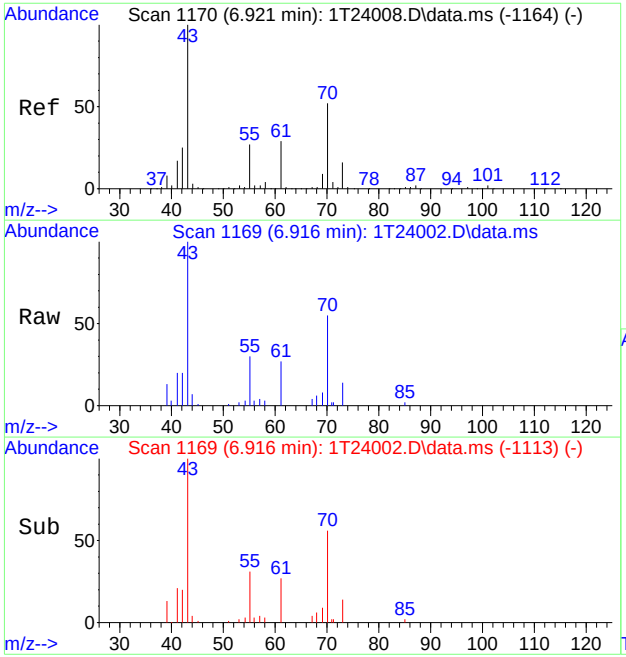


#92
butyl acrylate
Concen: 3.32 ug/L
RT: 6.780 min Scan# 1143
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion: 55 Resp: 15609

Ion	Ratio	Lower	Upper
55	100		
56	52.3	18.5	78.5
73	40.7	10.6	70.6
85	8.7	0.0	38.0

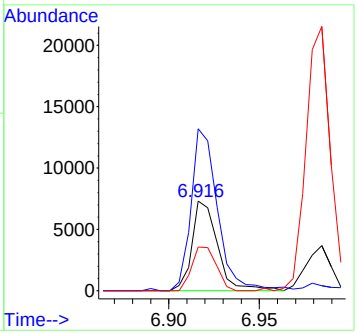


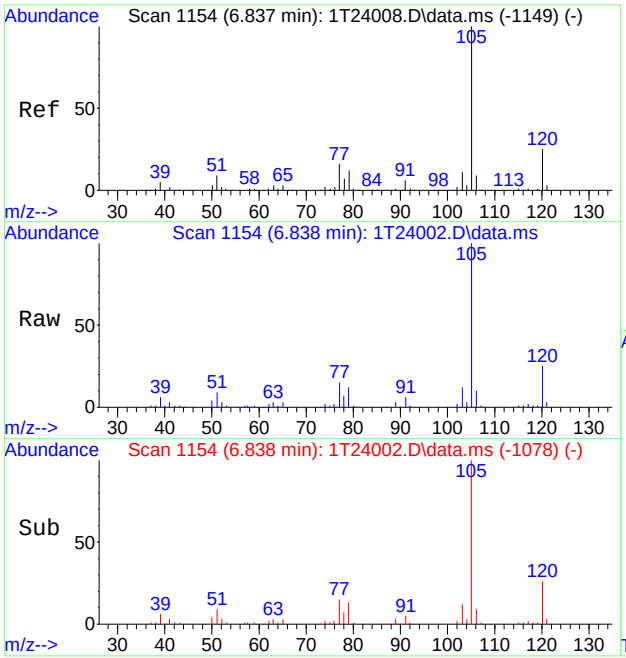


#93
n-amyl acetate
Concen: 3.70 ug/L
RT: 6.916 min Scan# 1169
Delta R.T. -0.005 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion: 70 Resp: 7179

Ion	Ratio	Lower	Upper
70	100		
43	180.9	171.9	211.9
61	48.9	35.4	75.4

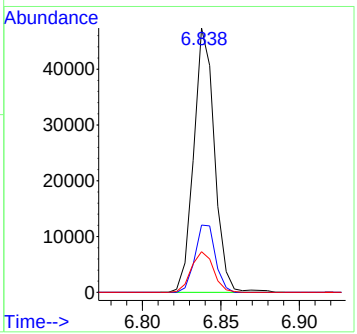


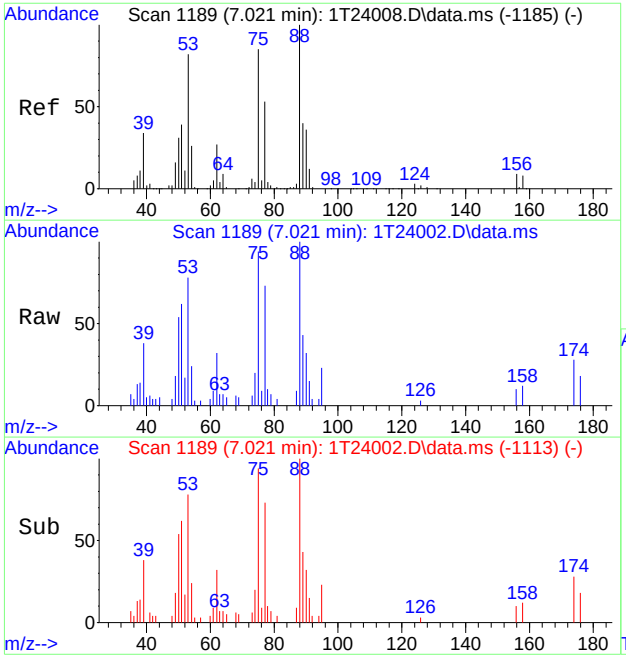


#94
isopropylbenzene
Concen: 3.37 ug/L
RT: 6.838 min Scan# 1154
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion:105 Resp: 43651

Ion	Ratio	Lower	Upper
105	100		
120	25.4	5.3	45.3
77	15.4	0.0	36.1

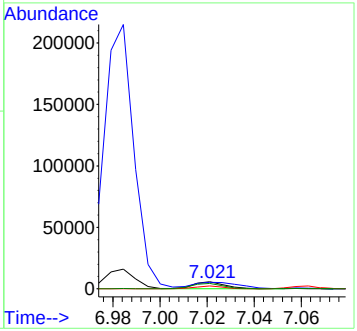


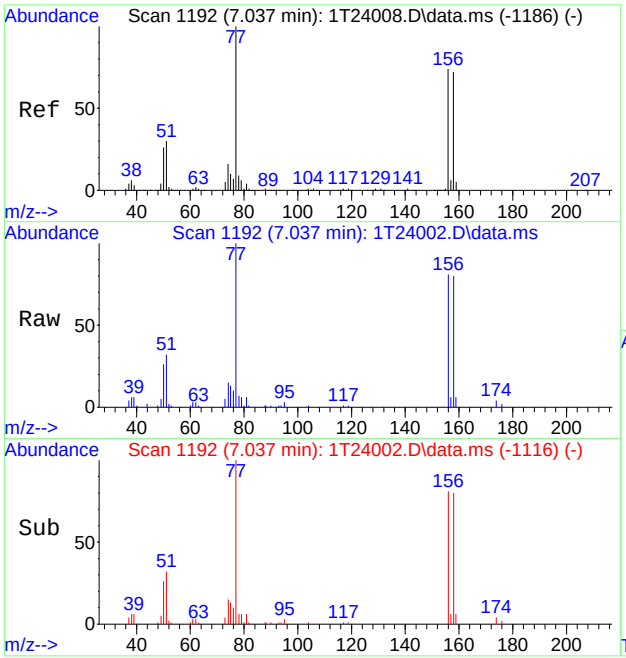


#95
cis-1,4-dichloro-2-butene
Concen: 3.35 ug/L
RT: 7.021 min Scan# 1189
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion: 88 Resp: 5376

Ion	Ratio	Lower	Upper
88	100		
75	93.7	67.1	107.1
89	44.0	19.7	59.7
53	79.7	61.6	101.6

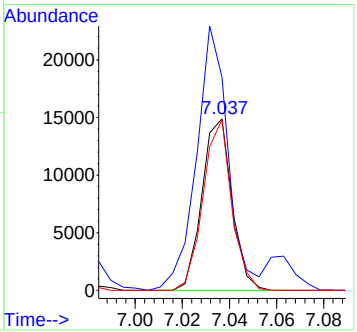


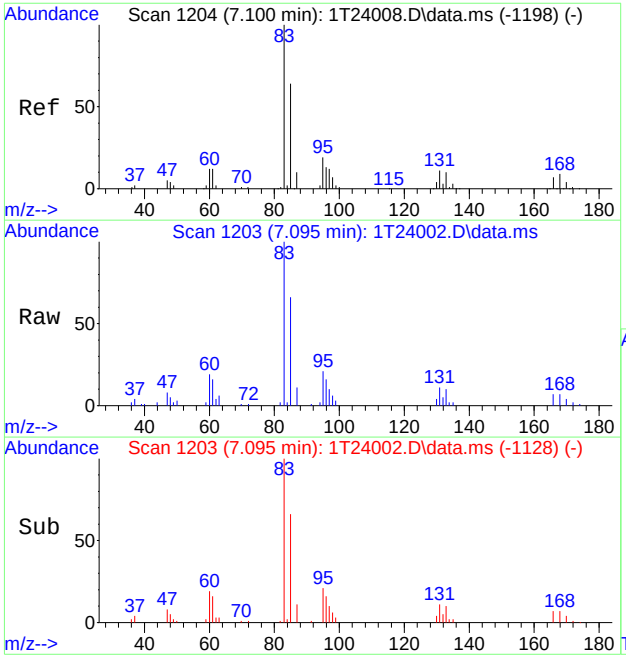


#98
bromobenzene
Concen: 3.33 ug/L
RT: 7.037 min Scan# 1192
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion:156 Resp: 13215

Ion	Ratio	Lower	Upper
156	100		
77	122.1	104.6	164.6
158	99.4	67.1	127.1

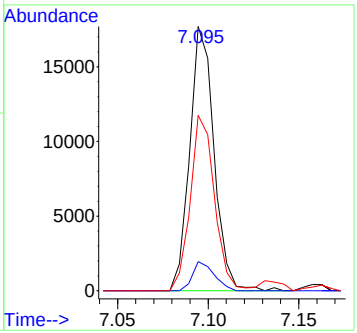


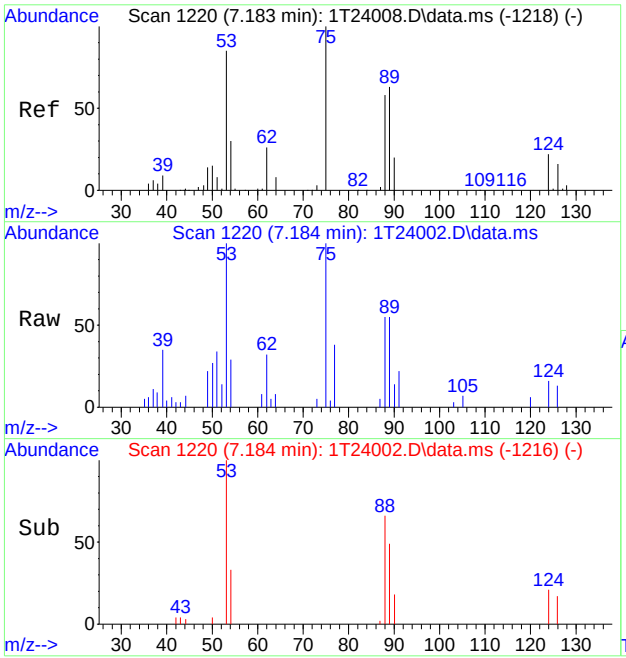


#99
1,1,2,2-tetrachloroethane
Concen: 3.37 ug/L
RT: 7.095 min Scan# 1203
Delta R.T. -0.005 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion: 83 Resp: 16514

Ion	Ratio	Lower	Upper
83	100		
131	11.0	0.0	40.9
85	66.3	34.4	94.4

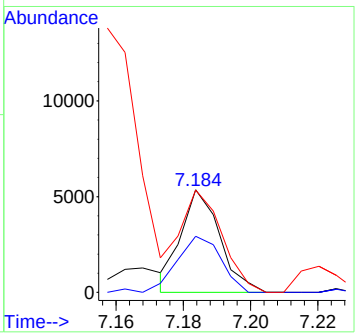


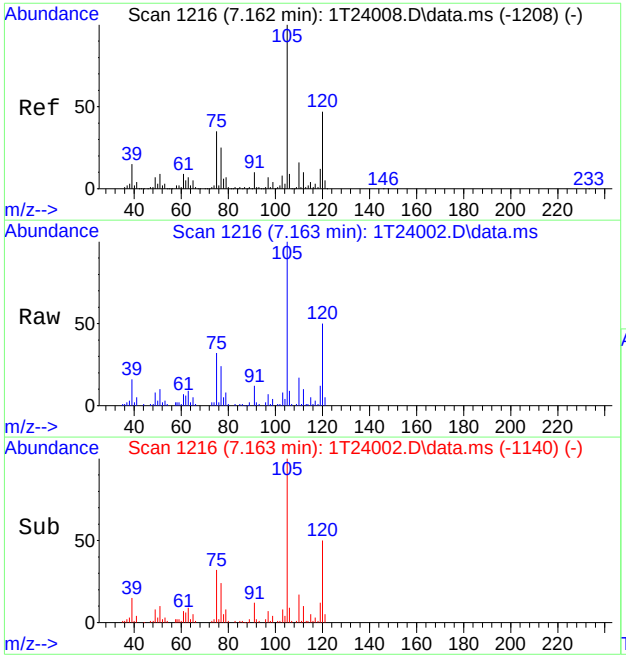


#100
trans-1,4-dichloro-2-butene
Concen: 3.52 ug/L
RT: 7.184 min Scan# 1220
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion: 53 Resp: 4289

Ion	Ratio	Lower	Upper
53	100		
88	54.6	29.6	89.6
75	99.7	97.1	157.1

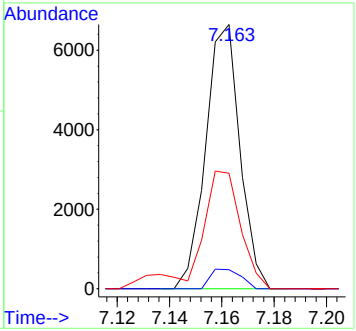


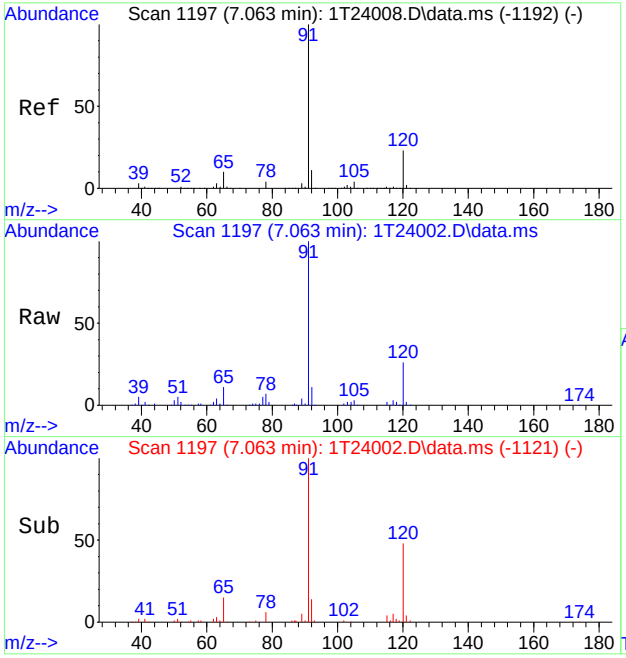


#101
1,2,3-trichloropropane
Concen: 3.52 ug/L
RT: 7.163 min Scan# 1216
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion:110 Resp: 6063

Ion	Ratio	Lower	Upper
110	100		
111	7.2	0.0	39.0
97	43.7	15.1	75.1

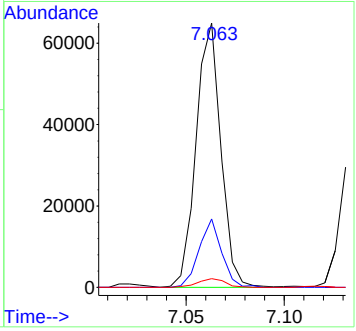


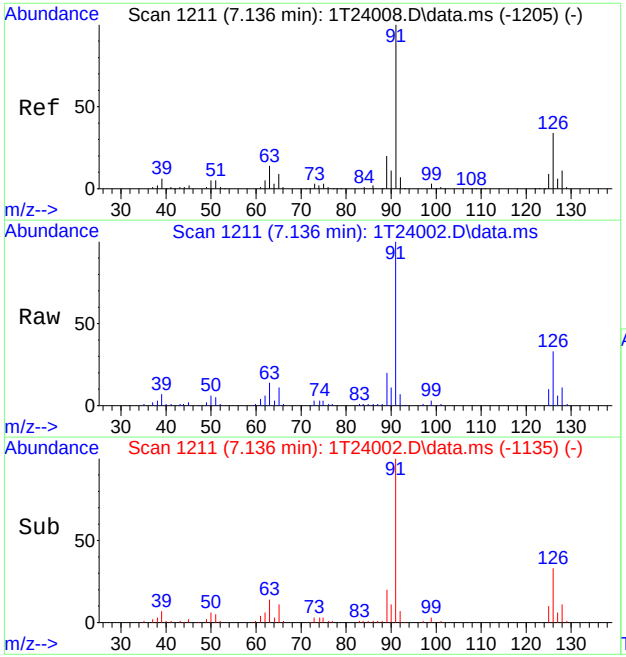


#102
n-propylbenzene
Concen: 3.41 ug/L
RT: 7.063 min Scan# 1197
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion: 91 Resp: 57291

Ion	Ratio	Lower	Upper
91	100		
120	25.8	0.0	53.1
105	3.4	0.0	33.9

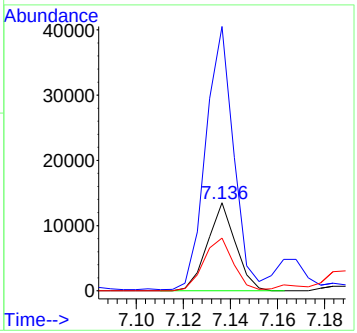


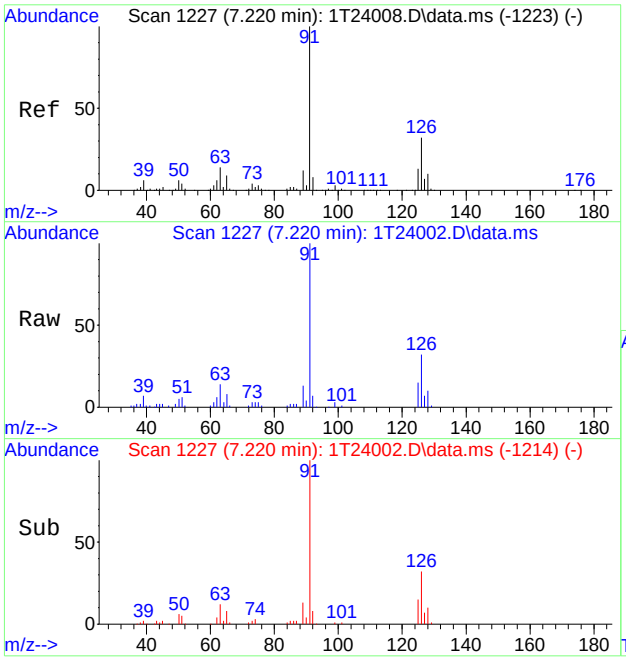


#103
2-chlorotoluene
Concen: 3.27 ug/L
RT: 7.136 min Scan# 1211
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion:126 Resp: 11239

Ion	Ratio	Lower	Upper
126	100		
91	298.5	263.0	323.0
89	60.0	27.6	87.6

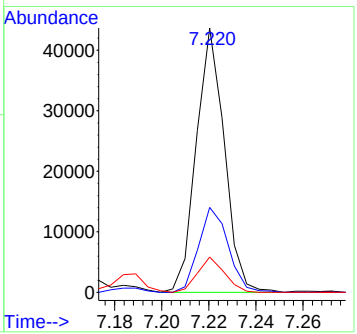


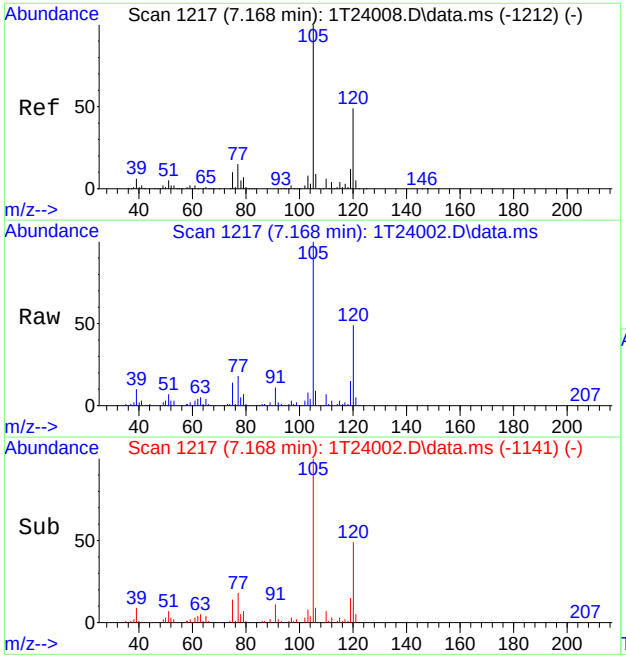


#104
4-chlorotoluene
Concen: 3.40 ug/L
RT: 7.220 min Scan# 1227
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion: 91 Resp: 36312

Ion	Ratio	Lower	Upper
91	100		
126	32.2	2.2	62.2
89	13.4	0.0	42.5

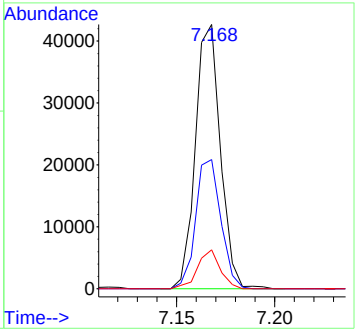


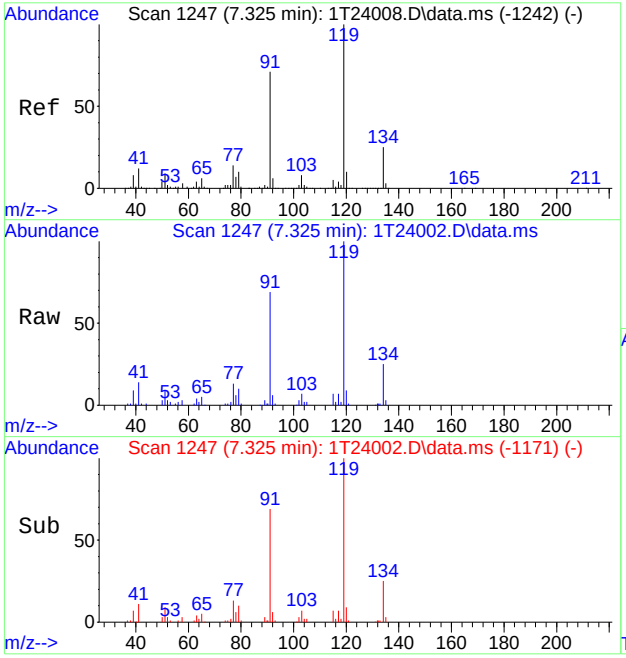


#105
1,3,5-trimethylbenzene
Concen: 3.40 ug/L
RT: 7.168 min Scan# 1217
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion:105 Resp: 37927

Ion	Ratio	Lower	Upper
105	100		
120	48.9	19.0	79.0
119	14.7	0.0	42.2

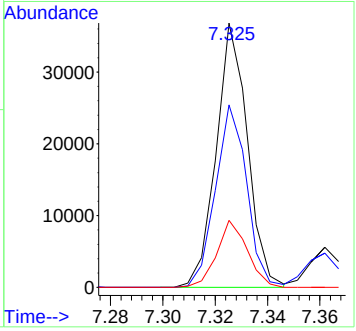


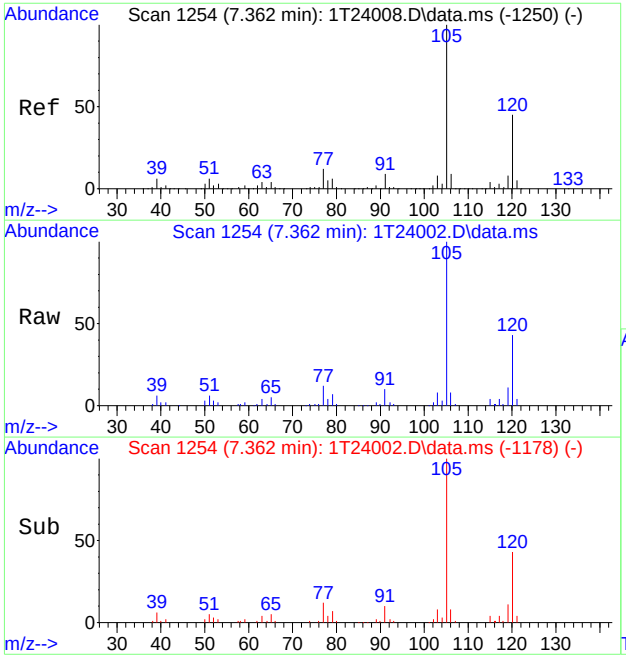


#106
tert-butylbenzene
Concen: 3.55 ug/L
RT: 7.325 min Scan# 1247
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion:119 Resp: 30756

Ion	Ratio	Lower	Upper
119	100		
91	69.0	40.9	100.9
134	25.3	0.0	54.5

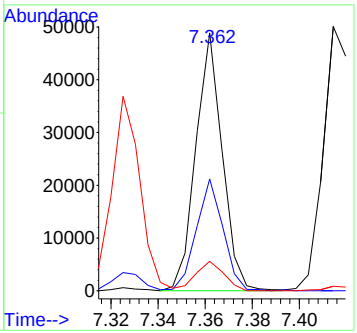


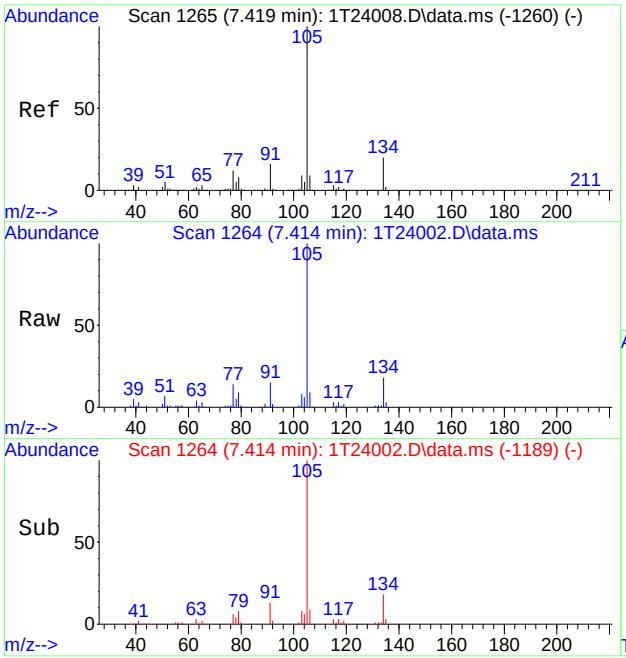


#107
1,2,4-trimethylbenzene
Concen: 3.46 ug/L
RT: 7.362 min Scan# 1254
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion:105 Resp: 38391

Ion	Ratio	Lower	Upper
105	100		
120	43.1	15.8	75.8
119	11.5	0.0	42.2

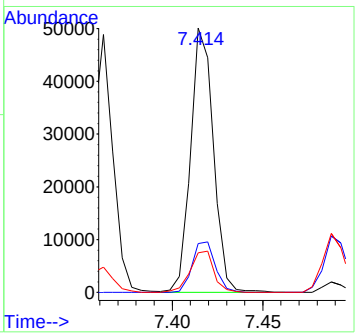


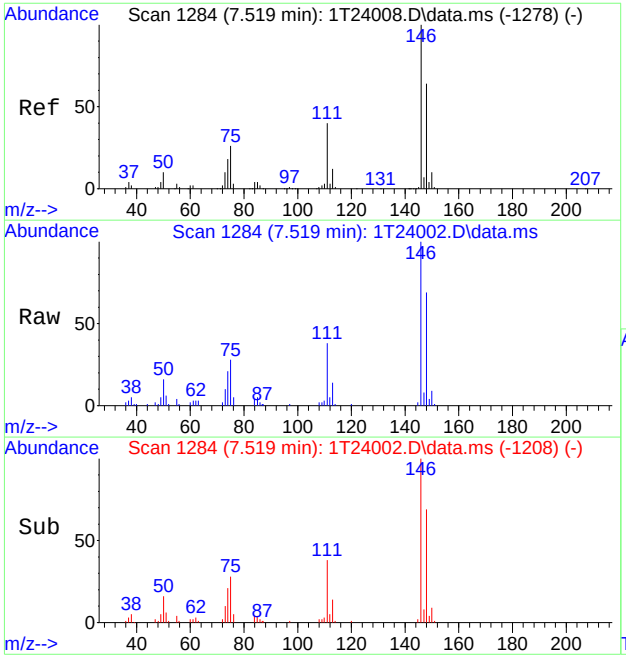


#108
sec-butylbenzene
Concen: 3.57 ug/L
RT: 7.414 min Scan# 1264
Delta R.T. -0.005 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion:105 Resp: 43960

Ion	Ratio	Lower	Upper
105	100		
134	18.5	0.0	50.4
91	15.0	0.0	45.8

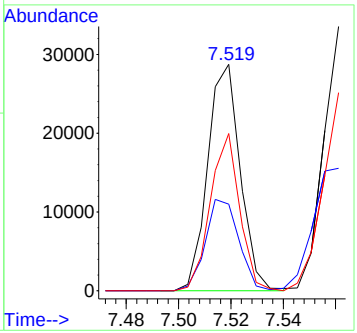


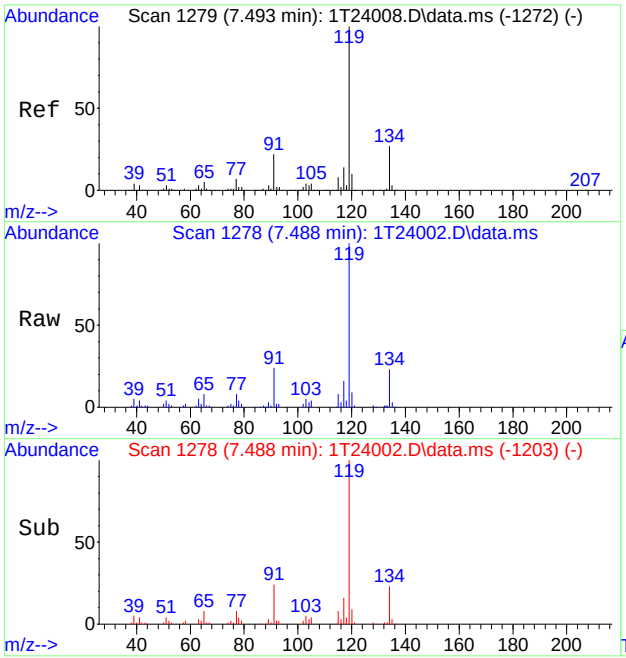


#109
1,3-dichlorobenzene
Concen: 3.47 ug/L
RT: 7.519 min Scan# 1284
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion:146 Resp: 24939

Ion	Ratio	Lower	Upper
146	100		
111	38.2	9.6	69.6
148	69.5	33.7	93.7

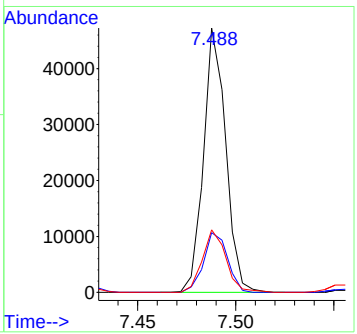


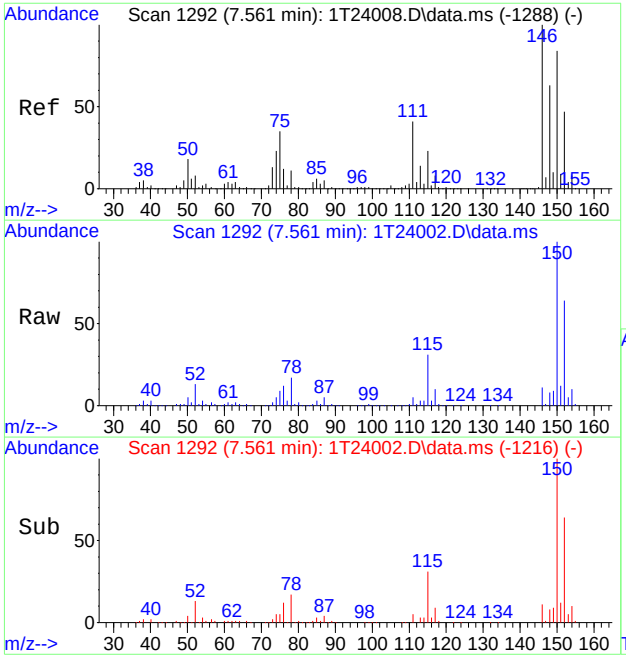


#110
p-isopropyltoluene
Concen: 3.56 ug/L
RT: 7.488 min Scan# 1278
Delta R.T. -0.005 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion:119 Resp: 37241

Ion	Ratio	Lower	Upper
119	100		
134	22.6	0.0	56.8
91	23.7	0.0	52.2

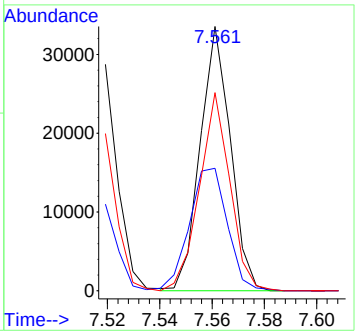


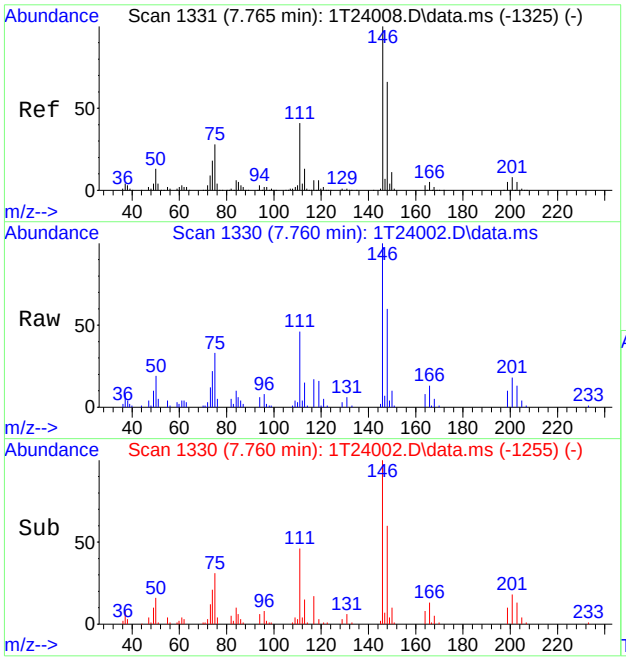


#111
1,4-dichlorobenzene
Concen: 3.41 ug/L
RT: 7.561 min Scan# 1292
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion:146 Resp: 27141

Ion	Ratio	Lower	Upper
146	100		
111	46.3	10.8	70.8
148	74.9	33.2	93.2

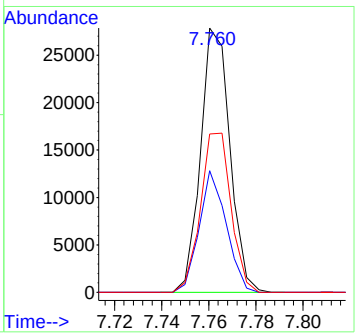


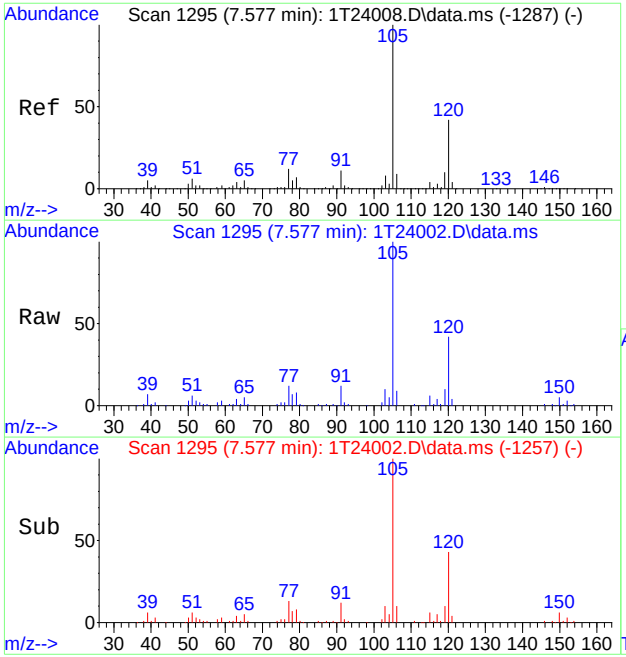


#112
1,2-dichlorobenzene
Concen: 3.44 ug/L
RT: 7.760 min Scan# 1330
Delta R.T. -0.005 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion:146 Resp: 24147

Ion	Ratio	Lower	Upper
146	100		
111	46.0	11.3	71.3
148	59.8	36.2	96.2

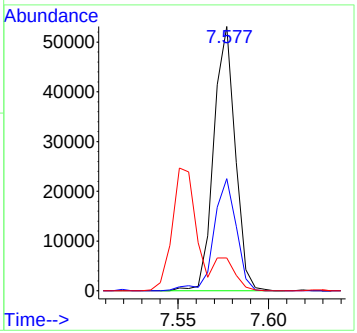


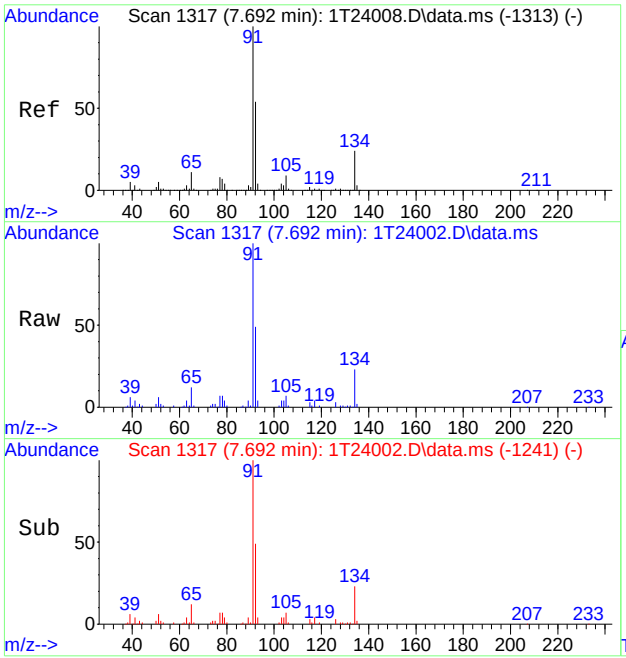


#113
1,2,3-trimethylbenzene
Concen: 3.24 ug/L
RT: 7.577 min Scan# 1295
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion:105 Resp: 43598

Ion	Ratio	Lower	Upper
105	100		
120	42.4	12.2	72.2
77	12.4	0.0	41.7

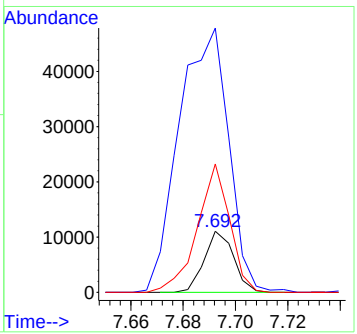


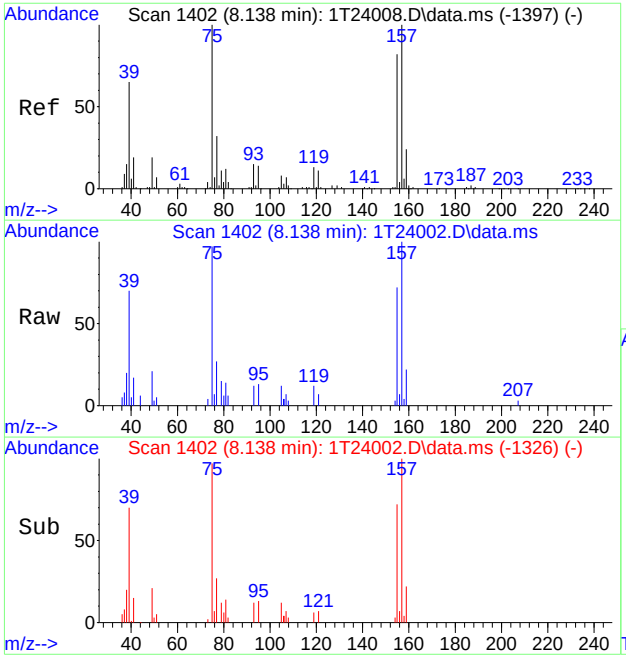


#114
n-butylbenzene
Concen: 3.29 ug/L
RT: 7.692 min Scan# 1317
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion:134 Resp: 8642

Ion	Ratio	Lower	Upper
134	100		
91	428.5	429.9	489.9#
92	210.3	199.0	259.0

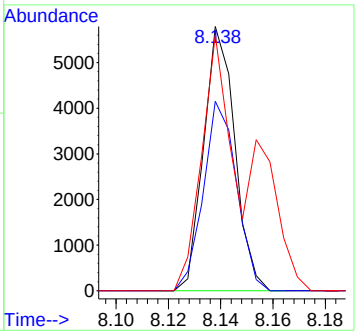


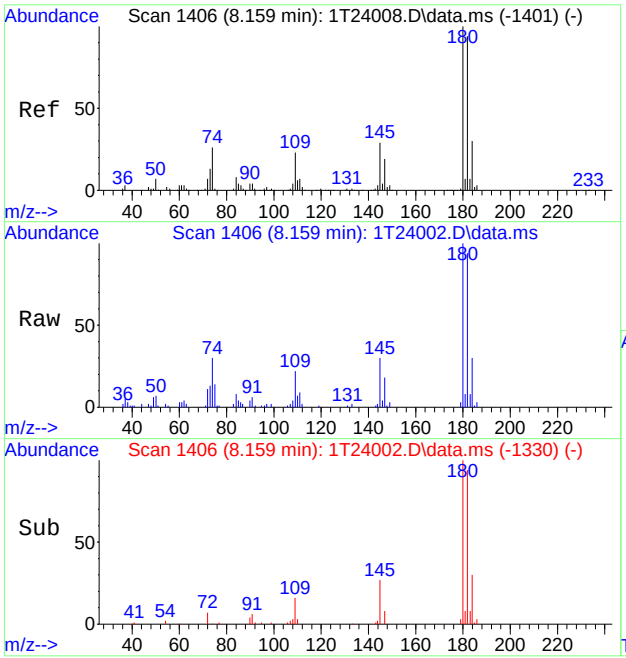


#115
1,2-dibromo-3-chloropropane
Concen: 3.31 ug/L
RT: 8.138 min Scan# 1402
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion:157 Resp: 4820

Ion	Ratio	Lower	Upper
157	100		
155	71.7	51.9	111.9
75	96.8	70.0	130.0

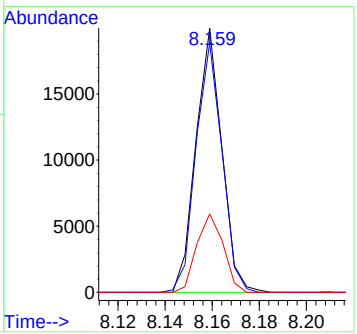




#116
1,3,5-trichlorobenzene
Concen: 3.35 ug/L
RT: 8.159 min Scan# 1406
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

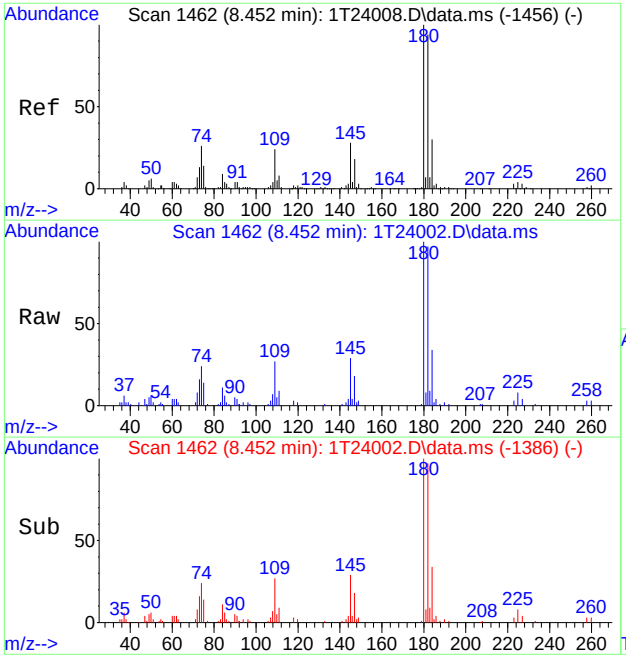
Tgt Ion:180 Resp: 15382

Ion	Ratio	Lower	Upper
180	100		
182	94.3	73.5	113.5
184	29.7	10.1	50.1



7.6.19

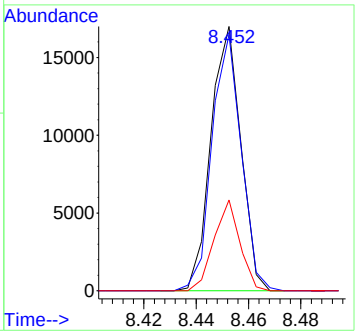
7

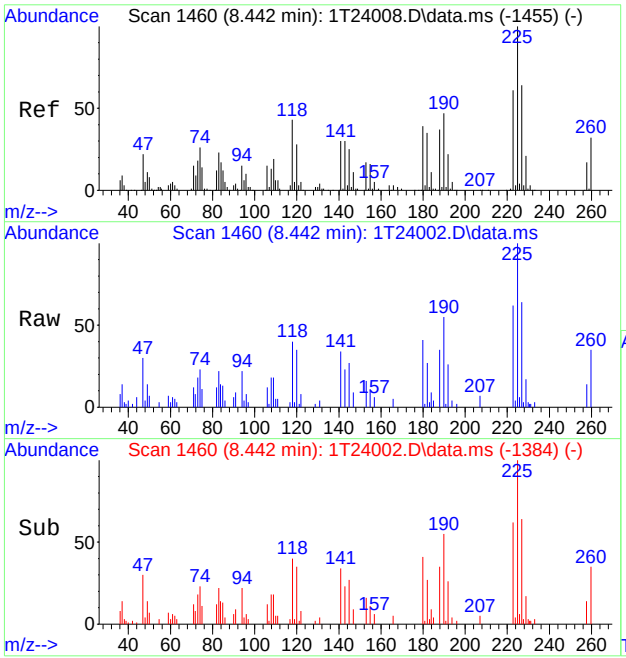


#117
1,2,4-trichlorobenzene
Concen: 3.44 ug/L
RT: 8.452 min Scan# 1462
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion:180 Resp: 13504

Ion	Ratio	Lower	Upper
180	100		
182	96.8	64.0	124.0
184	34.4	0.0	59.7

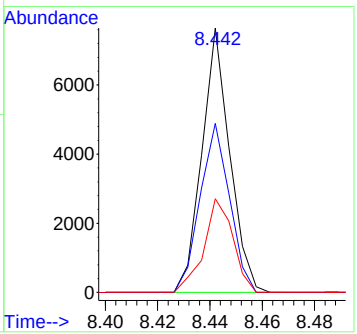


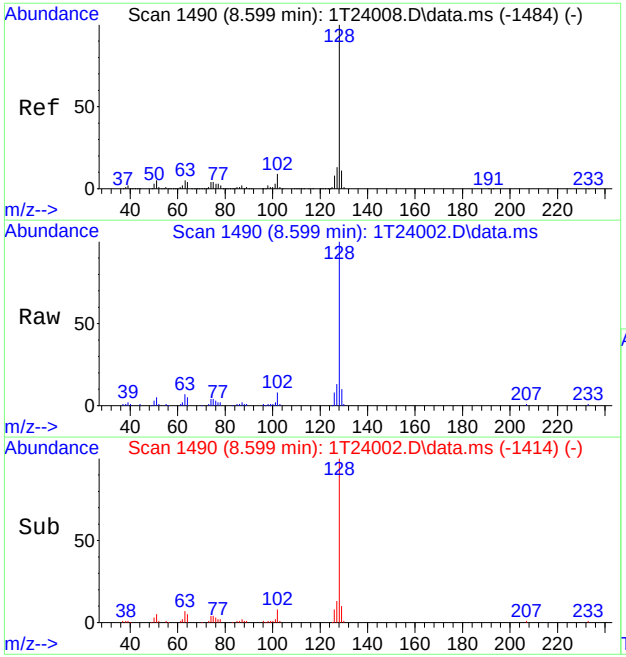


#118
hexachlorobutadiene
Concen: 3.32 ug/L
RT: 8.442 min Scan# 1460
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion:225 Resp: 5706

Ion	Ratio	Lower	Upper
225	100		
227	63.9	34.1	94.1
260	35.4	1.5	61.5

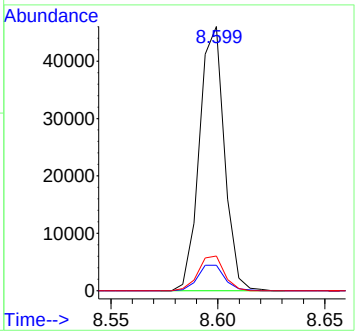


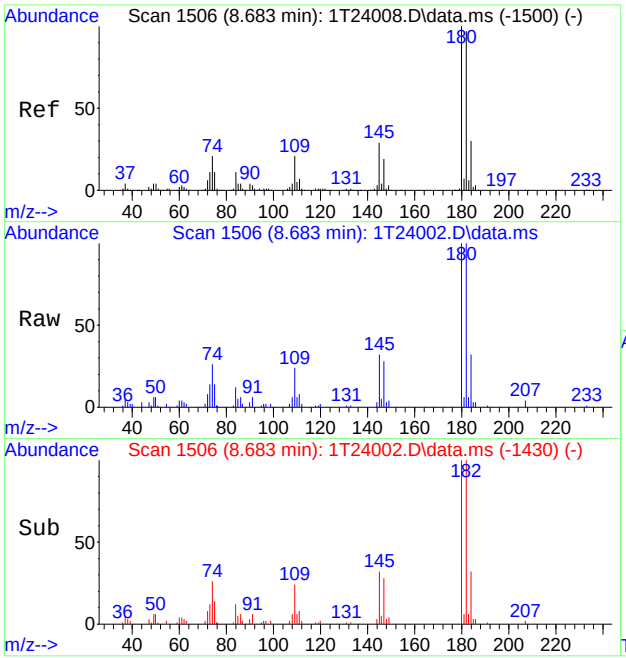


#119
naphthalene
Concen: 3.33 ug/L
RT: 8.599 min Scan# 1490
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion:128 Resp: 37456

Ion	Ratio	Lower	Upper
128	100		
129	9.6	0.0	40.7
127	13.2	0.0	43.4

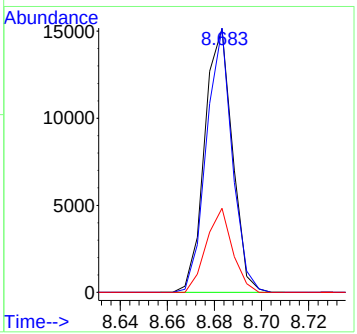


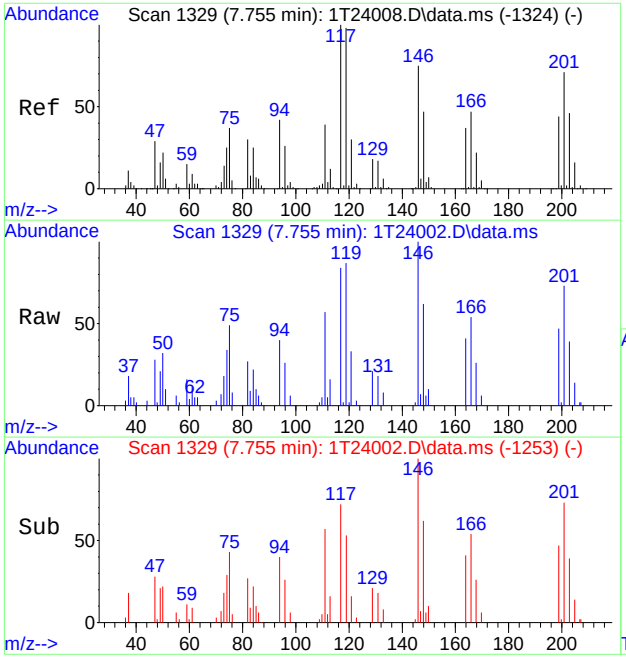


#120
1,2,3-trichlorobenzene
Concen: 3.41 ug/L
RT: 8.683 min Scan# 1506
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion:180 Resp: 12429

Ion	Ratio	Lower	Upper
180	100		
182	100.3	66.5	126.5
184	31.9	0.0	59.6

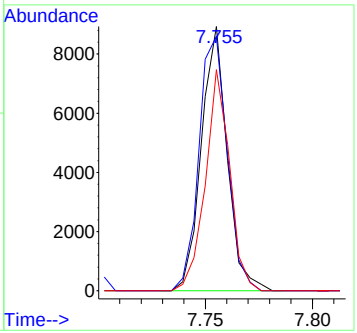


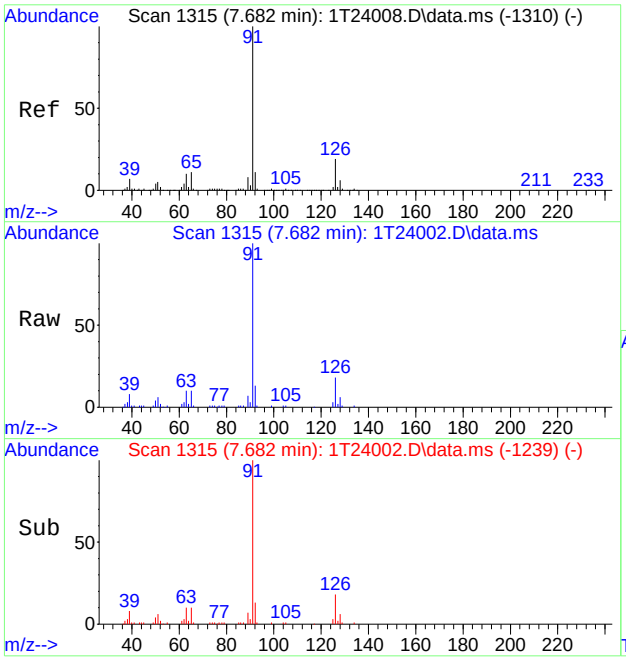


#121
hexachloroethane
Concen: 3.43 ug/L
RT: 7.755 min Scan# 1329
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion:119 Resp: 7496

Ion	Ratio	Lower	Upper
119	100		
117	96.2	71.7	131.7
201	83.6	42.0	102.0

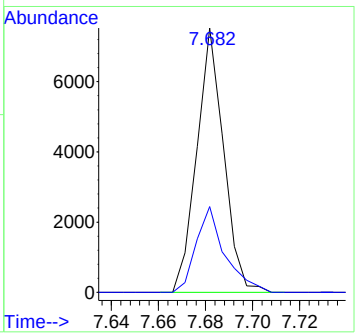


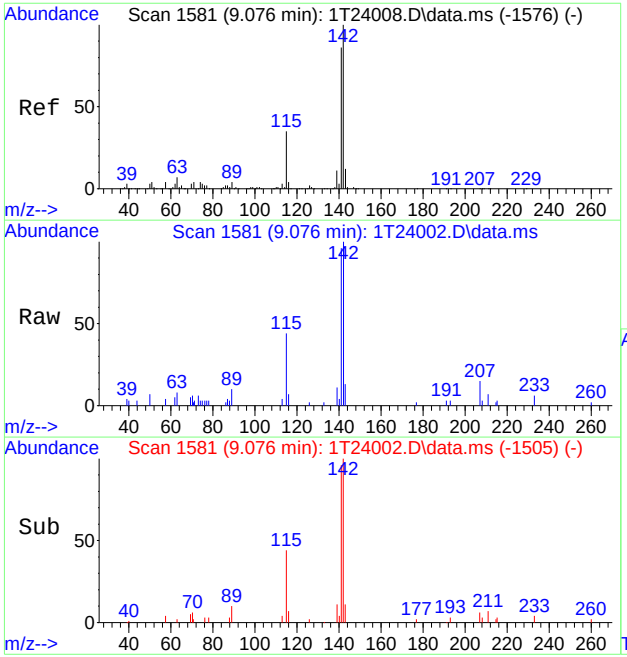


#122
benzyl chloride
Concen: 3.16 ug/L
RT: 7.682 min Scan# 1315
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion:126 Resp: 5982

Ion	Ratio	Lower	Upper
126	100		
128	32.5	1.7	61.7

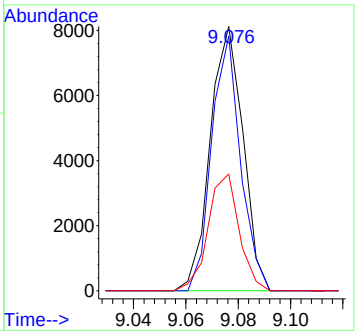




#123
2-methylnaphthalene
Concen: 1.50 ug/L
RT: 9.076 min Scan# 1581
Delta R.T. 0.000 min
Lab File: 1T24002.D
Acq: 18 Sep 2025 11:57 am

Tgt Ion:142 Resp: 7077

Ion	Ratio	Lower	Upper
142	100		
141	96.3	55.9	115.9
115	44.2	5.4	65.4



7.9.19

7

Manual Integration Approval Summary

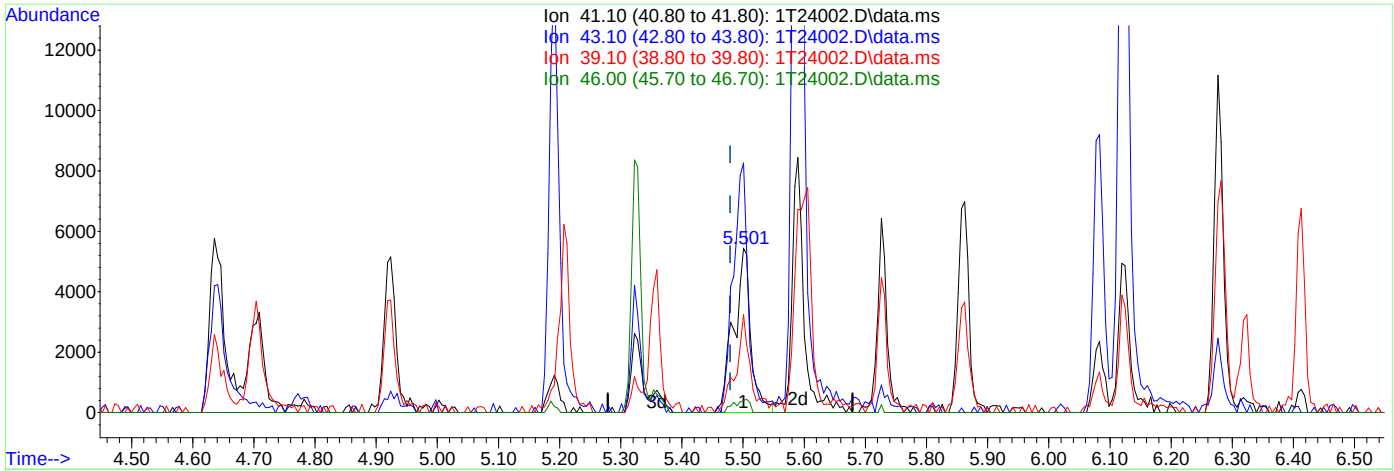
Sample Number:	V1T579-IC579	**Method:**	SW846 8260D
Lab FileID:	1T24002.D	**Analyst approved:**	09/19/25 12:39 MoHui Huang
Injection Time:	09/18/25 11:57	**Supervisor approved:**	09/19/25 18:04 Kanya Veerawat

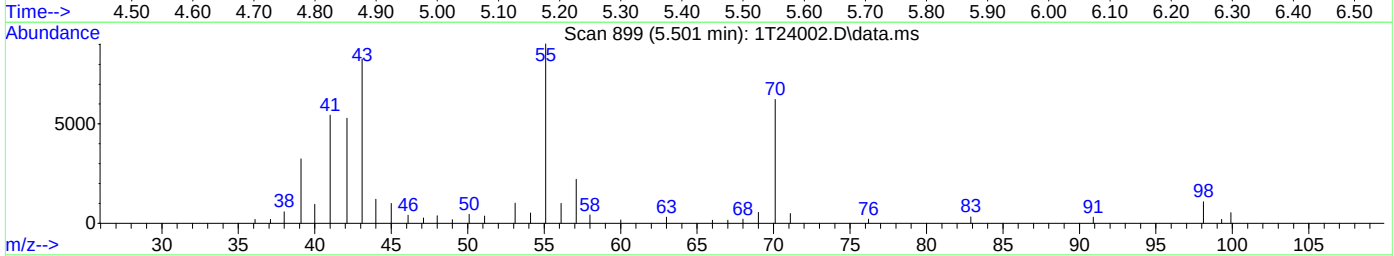
Parameter	CAS	Sig#	R.T. (min.)	Reason
2-Nitropropane	79-46-9		5.48	Overlapping peak

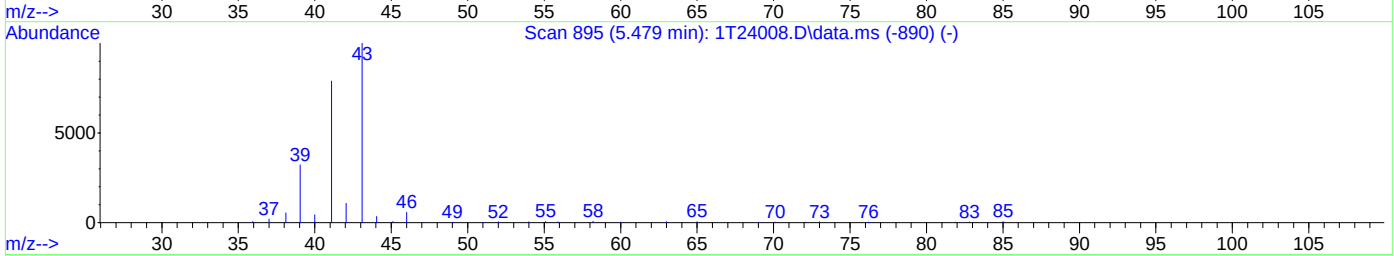
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\Initials\VT579\
Data File : 1T24002.D
Acq On : 18 Sep 2025 11:57 am
Operator : edwardd
Sample : ic579-4
Misc : MS96870,V1T0579,5,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 19 10:30:50 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 10:19:08 2025
Response via : Initial Calibration







TIC: 1T24002.D\data.ms

(61) 2-nitropropane

5.501min (+0.021) 9.46ug/L

response 10578

Ion	Exp%	Act%
41.10	100	100
43.10	126.20	151.94
39.10	41.90	56.26
46.00	7.20	7.39

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 09/19/25 18:04

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VT579\
Data File : 1T24004.D
Acq On : 18 Sep 2025 12:34 pm
Operator : edwardd
Sample : ic579-8
Misc : MS96870,V1T0579,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 19 10:54:30 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 10:19:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	1.993	65	215589	500.00	ug/L	0.00
5) pentafluorobenzene	3.734	168	545625	50.00	ug/L	0.00
50) 1,4-difluorobenzene	4.316	114	902741	50.00	ug/L	0.00
72) chlorobenzene-d5	6.287	117	764343	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	7.556	152	396617	50.00	ug/L	0.00
124) pentafluorobenzene(a)	3.734	168	545625	50.00	ug/L	0.00
132) 1,4-dichlorobenzene-d4(a)	7.556	152	396617	50.00	ug/L	0.00
System Monitoring Compounds						
42) dibromofluoromethane (s)	3.183	113	324051	49.43	ug/L	0.00
Spiked Amount 50.000	Range 75 - 127		Recovery = 98.86%			
51) 1,2-dichloroethane-d4 (s)	3.744	65	346450	50.95	ug/L	0.00
Spiked Amount 50.000	Range 75 - 130		Recovery = 101.90%			
73) toluene-d8 (s)	5.328	98	1051391	50.22	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.44%			
97) 4-bromofluorobenzene (s)	6.985	95	368656	51.11	ug/L	0.00
Spiked Amount 50.000	Range 79 - 127		Recovery = 102.22%			
Target Compounds						Qvalue
2) ethanol	1.474	45	38668	695.5626	ug/L	92
3) tertiary butyl alcohol	2.040	59	15444	37.1836	ug/L	94
4) 1,4-dioxane	4.924	88	5651	212.0581	ug/L	98
6) chlorodifluoromethane	0.903	51	36557	8.3627	ug/L	98
7) dichlorodifluoromethane	0.882	85	44694	9.0367	ug/L	97
8) chloromethane	0.971	50	25739	8.5453	ug/L	97
9) vinyl chloride	1.008	62	36883	9.3932	ug/L	96
10) 1,3-butadiene	1.008	39	26231	9.1838	ug/L	98
11) bromomethane	1.149	96	18484	8.4293	ug/L #	90
12) chloroethane	1.207	64	29630	7.7830	ug/L	93
13) trichlorofluoromethane	1.270	101	80735	8.9968	ug/L	98
14) ethyl ether	1.406	74	18621	9.0665	ug/L	95
15) acrolein	1.679	56	5762	6.8828	ug/L	73
16) freon 113	1.527	151	26062	9.4508	ug/L	89
17) 1,1-dichloroethene	1.511	61	52969	8.9463	ug/L	99
18) acetone	1.846	58	17476	33.2998	ug/L	94
19) acetonitrile	2.130	41	39596	82.1911	ug/L	91
20) iodomethane	1.589	142	8545	7.6354	ug/L	95
21) carbon disulfide	1.532	76	100080	8.7340	ug/L	100
22) methylene chloride	1.820	84	39844	9.2267	ug/L	98
23) methyl acetate	1.920	74	6890	8.8326	ug/L	91
24) methyl tert butyl ether	1.983	73	62542	9.1051	ug/L	92
25) trans-1,2-dichloroethene	1.915	96	37798	9.6520	ug/L	92
26) hexane	1.967	57	41415	8.9855	ug/L	97
27) di-isopropyl ether	2.245	45	53880	8.6182	ug/L	94
28) ethyl tert-butyl ether	2.523	59	58042	8.5876	ug/L	99
29) 2-butanone	3.320	72	14160	33.8286	ug/L #	78
30) 1,1-dichloroethane	2.318	63	51416	8.6826	ug/L	99
31) chloroprene	2.303	53	31499	8.0180	ug/L	98
32) acrylonitrile	2.350	52	9007	7.5715	ug/L	88
33) vinyl acetate	2.518	86	4471	7.3253	ug/L #	84
34) ethyl acetate	3.152	70	2870	7.2707	ug/L #	76
35) 2,2-dichloropropane	2.843	77	42676	9.3405	ug/L	96
36) cis-1,2-dichloroethene	2.748	96	28643	8.2697	ug/L	96
37) propionitrile	3.613	54	48894	76.5559	ug/L	98
38) methyl acrylate	3.141	85	4333	8.5073	ug/L #	51
39) bromochloromethane	2.921	128	14980	8.3257	ug/L	94
40) tetrahydrofuran	3.162	71	3782	8.3190	ug/L #	66

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VT579\
Data File : 1T24004.D
Acq On : 18 Sep 2025 12:34 pm
Operator : edwardd
Sample : ic579-8
Misc : MS96870,V1T0579,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 19 10:54:30 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 10:19:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) chloroform	3.010	47	13543	7.7233	ug/L	90
43) methacrylonitrile	3.650	67	10478	8.1530	ug/L #	64
44) 1,1,1-trichloroethane	3.199	97	48037	9.2150	ug/L	93
45) cyclohexane	2.937	84	31383	8.6095	ug/L	98
46) 1,1-dichloropropene	3.335	75	31268	9.2665	ug/L	92
47) carbon tetrachloride	3.136	117	42422	9.4573	ug/L	98
48) isobutyl alcohol	3.949	43	9187	67.9519	ug/L	81
49) tert-amyl alcohol	4.054	55	6672	38.9287	ug/L #	59
52) iso-octane	3.482	57	55200	9.0106	ug/L	98
53) benzene	3.598	78	99810	8.9125	ug/L	96
54) tert-amyl methyl ether	3.776	73	58514	7.9847	ug/L	97
55) heptane	3.624	57	9564	7.7011	ug/L	92
56) isopropyl acetate	4.201	87	5183	7.3307	ug/L #	70
57) 1,2-dichloroethane	3.823	62	43359	8.3637	ug/L	99
58) n-butyl alcohol	4.641	56	30755	287.5624	ug/L	87
59) ethyl acrylate	4.777	55	26672	7.8490	ug/L	96
60) trichloroethene	4.269	130	25329	8.7182	ug/L	95
61) 2-nitropropane	5.485	41	7459m	7.0512	ug/L	
62) 2-chloroethyl vinyl ether	5.192	63	69923	42.6955	ug/L	98
63) methyl methacrylate	4.924	100	7351	9.0597	ug/L	95
64) 1,2-dichloropropane	4.704	63	24482	8.4691	ug/L	96
65) methylcyclohexane	4.253	98	17803	9.1365	ug/L #	90
66) dibromomethane	4.625	93	20395	7.8468	ug/L	89
67) bromodichloromethane	4.772	83	39484	8.5647	ug/L	99
68) epichlorohydrin	5.365	57	15984	37.6110	ug/L	89
69) cis-1,3-dichloropropene	5.212	75	38068	9.3735	ug/L	92
70) 4-methyl-2-pentanone	5.590	58	40761	32.5571	ug/L	97
71) 3-methyl-1-butanol	5.506	70	14269	127.1435	ug/L	93
74) toluene	5.359	92	68528	8.5827	ug/L	97
75) ethyl methacrylate	5.732	69	26416	8.1403	ug/L	92
76) trans-1,3-dichloropropene	5.606	75	38201	8.6441	ug/L	96
77) 1,1,2-trichloroethane	5.700	83	19611	8.5796	ug/L	97
78) tetrachloroethene	5.585	166	28660	8.7373	ug/L	94
79) 2-hexanone	6.125	58	40424	35.2171	ug/L	93
80) 1,3-dichloropropane	5.863	76	40517	8.6305	ug/L	98
81) butyl acetate	6.083	56	13207	8.5808	ug/L	97
82) dibromochloromethane	5.805	129	29841	8.5898	ug/L	94
83) 1,2-dibromoethane	5.941	107	26401	8.7472	ug/L	95
84) n-butyl ether	6.282	57	86547	8.8720	ug/L	87
85) chlorobenzene	6.298	112	78676	8.4352	ug/L	95
86) 1,1,1,2-tetrachloroethane	6.340	131	26021	8.3479	ug/L	99
87) ethylbenzene	6.324	91	123243	8.3586	ug/L	99
88) m,p-xylene	6.418	106	96741	17.4809	ug/L	94
89) o-xylene	6.660	106	41264	8.0106	ug/L	97
90) styrene	6.691	104	69958	8.9025	ug/L	94
91) bromoform	6.696	173	22379	8.2388	ug/L	99
92) butyl acrylate	6.780	55	38943	8.4600	ug/L	99
93) n-amyl acetate	6.922	70	16507	8.5534	ug/L	97
94) isopropylbenzene	6.843	105	112244	8.7634	ug/L	99
95) cis-1,4-dichloro-2-butene	7.027	88	12871	8.2478	ug/L	93
98) bromobenzene	7.037	156	31041	8.0078	ug/L	97
99) 1,1,2,2-tetrachloroethane	7.100	83	37773	7.8668	ug/L	99
100) trans-1,4-dichloro-2-b...	7.189	53	9445	7.8530	ug/L	90
101) 1,2,3-trichloropropane	7.163	110	13640	8.0140	ug/L	95
102) n-propylbenzene	7.063	91	141663	8.5915	ug/L	99
103) 2-chlorotoluene	7.137	126	28750	8.5714	ug/L	95
104) 4-chlorotoluene	7.226	91	89869	8.5742	ug/L	95
105) 1,3,5-trimethylbenzene	7.168	105	98038	8.9556	ug/L	94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VT579\
Data File : 1T24004.D
Acq On : 18 Sep 2025 12:34 pm
Operator : edwardd
Sample : ic579-8
Misc : MS96870,V1T0579,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 19 10:54:30 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 10:19:08 2025
Response via : Initial Calibration

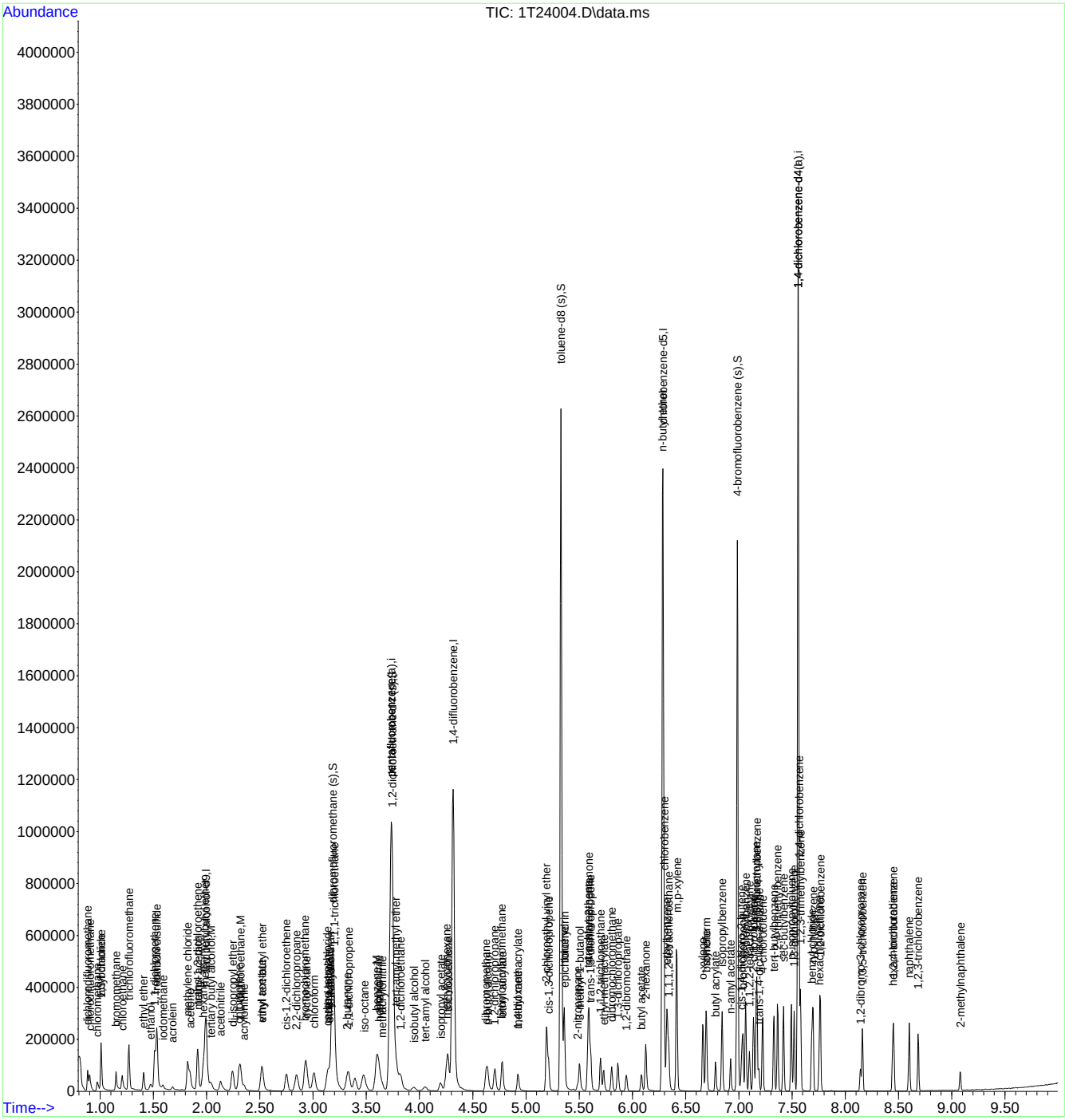
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
106) tert-butylbenzene	7.331	119	77669	9.0732	ug/L		89
107) 1,2,4-trimethylbenzene	7.362	105	100097	9.1553	ug/L		94
108) sec-butylbenzene	7.420	105	115486	9.4671	ug/L		98
109) 1,3-dichlorobenzene	7.519	146	58147	8.2118	ug/L		95
110) p-isopropyltoluene	7.493	119	96889	9.3617	ug/L		98
111) 1,4-dichlorobenzene	7.567	146	62704	8.0785	ug/L		94
112) 1,2-dichlorobenzene	7.766	146	57047	8.2620	ug/L		99
113) 1,2,3-trimethylbenzene	7.577	105	109432	8.3632	ug/L		97
114) n-butylbenzene	7.698	134	22137	8.6265	ug/L	#	78
115) 1,2-dibromo-3-chloropr...	8.143	157	11415	8.0277	ug/L		91
116) 1,3,5-trichlorobenzene	8.159	180	37069	8.2532	ug/L		98
117) 1,2,4-trichlorobenzene	8.453	180	31222	8.0909	ug/L		96
118) hexachlorobutadiene	8.447	225	14052	8.3615	ug/L		95
119) naphthalene	8.600	128	94421	8.5767	ug/L		99
120) 1,2,3-trichlorobenzene	8.683	180	32347	9.0485	ug/L		95
121) hexachloroethane	7.755	119	18220	8.4791	ug/L		95
122) benzyl chloride	7.687	126	14943	8.1551	ug/L		95
123) 2-methylnaphthalene	9.082	142	17013	3.7624	ug/L		96

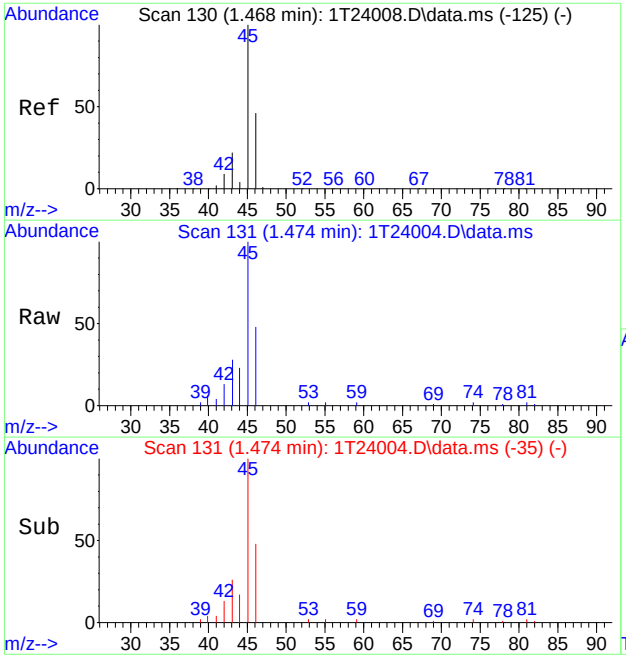
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VT579\
Data File : 1T24004.D
Acq On : 18 Sep 2025 12:34 pm
Operator : edwardd
Sample : ic579-8
Misc : MS96870,V1T0579,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 19 10:54:30 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 10:19:08 2025
Response via : Initial Calibration

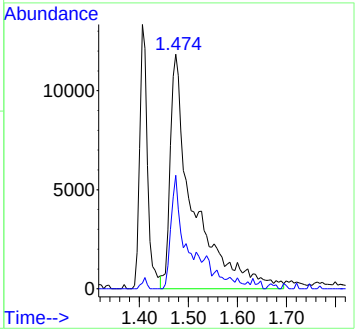


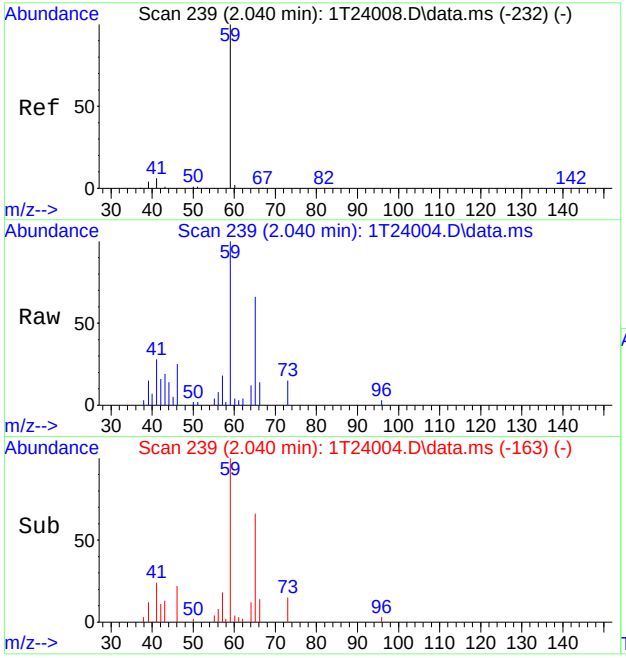


#2
ethanol
Concen: 695.56 ug/L
RT: 1.474 min Scan# 131
Delta R.T. 0.006 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 45 Resp: 38668

Ion	Ratio	Lower	Upper
45	100		
46	49.4	24.5	64.5

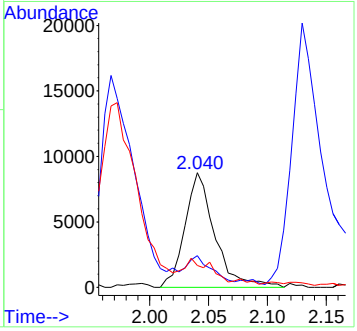


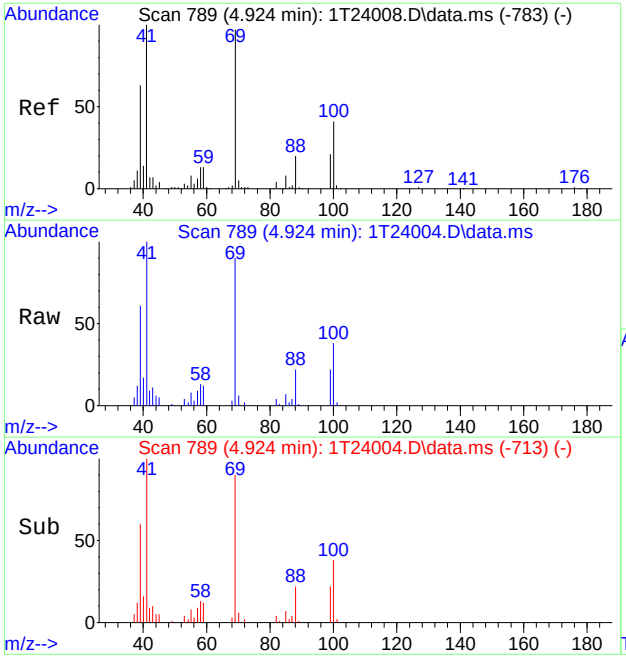


#3
tertiary butyl alcohol
Concen: 37.18 ug/L
RT: 2.040 min Scan# 239
Delta R.T. 0.000 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 59 Resp: 15444

Ion	Ratio	Lower	Upper
59	100		
41	11.2	0.0	43.1
43	15.8	0.0	48.5

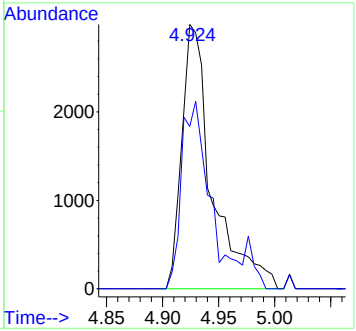


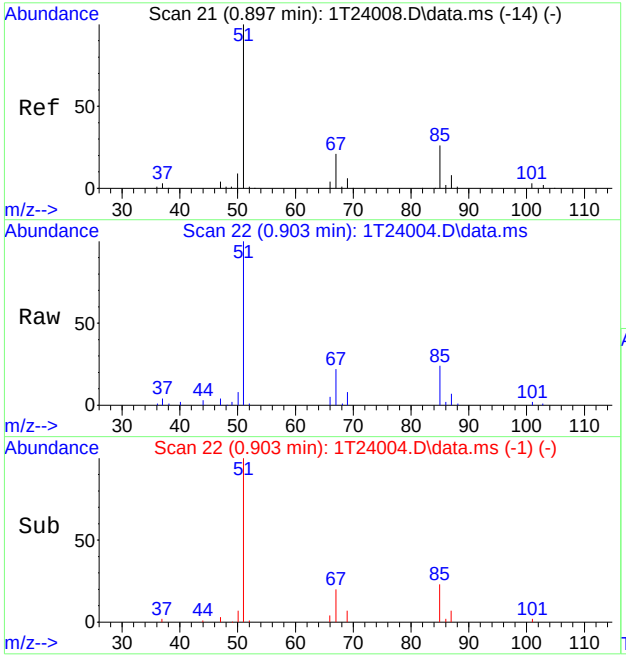


#4
1,4-dioxane
Concen: 212.06 ug/L
RT: 4.924 min Scan# 789
Delta R.T. 0.000 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 88 Resp: 5651

Ion	Ratio	Lower	Upper
88	100		
58	61.3	43.0	83.0

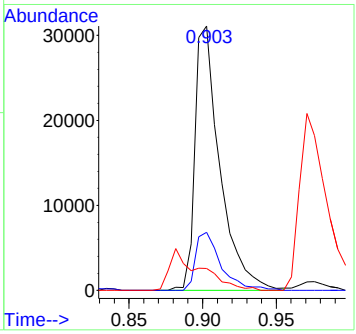


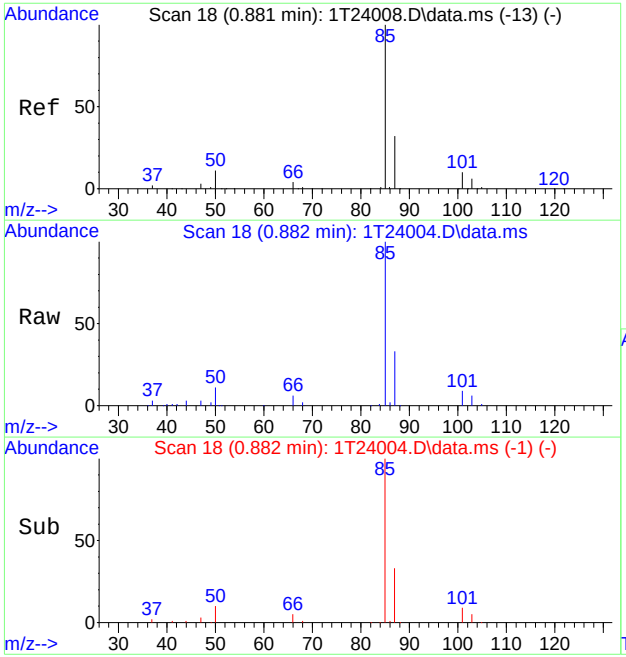


#6
chlorodifluoromethane
Concen: 8.36 ug/L
RT: 0.903 min Scan# 22
Delta R.T. 0.006 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 51 Resp: 36557

Ion	Ratio	Lower	Upper
51	100		
67	22.0	0.0	51.0
50	8.3	0.0	38.8

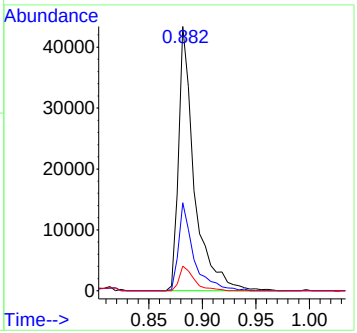


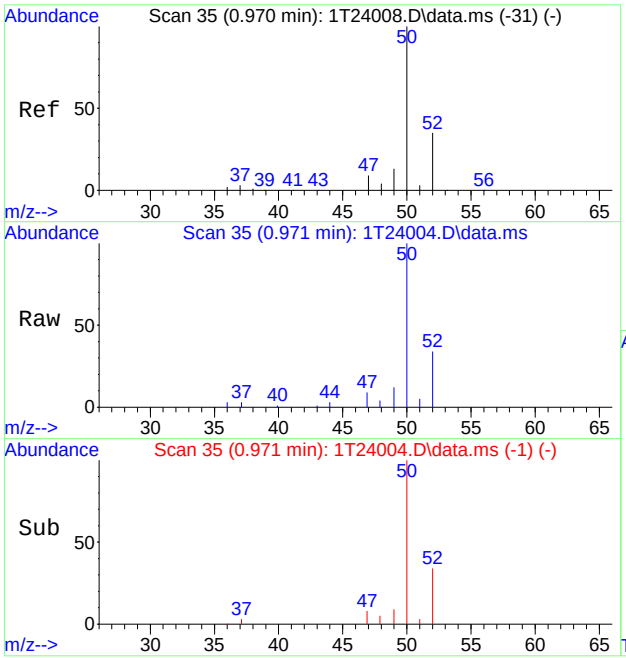


#7
dichlorodifluoromethane
Concen: 9.04 ug/L
RT: 0.882 min Scan# 18
Delta R.T. 0.000 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 85 Resp: 44694

Ion	Ratio	Lower	Upper
85	100		
87	33.3	1.6	61.6
101	9.4	0.0	39.6

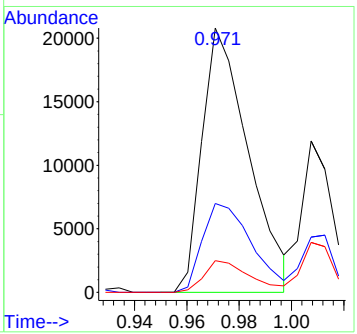


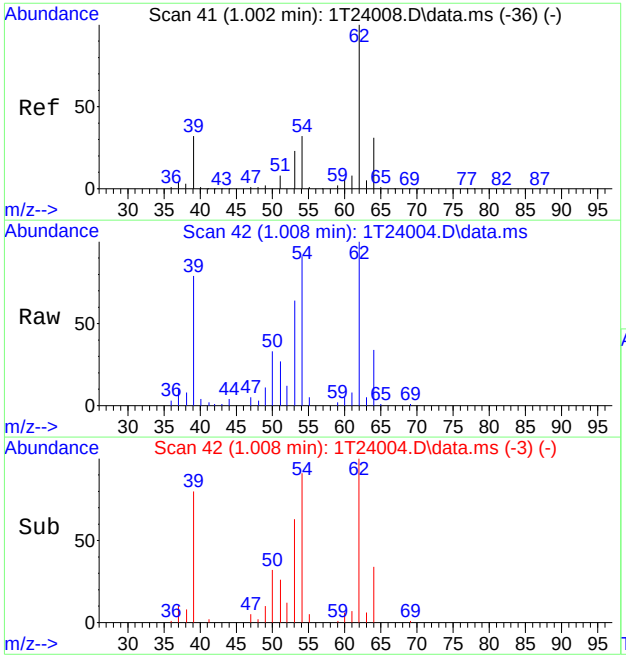


#8
chloromethane
Concen: 8.55 ug/L
RT: 0.971 min Scan# 35
Delta R.T. 0.000 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 50 Resp: 25739

Ion	Ratio	Lower	Upper
50	100		
52	33.6	5.4	65.4
49	12.0	0.0	42.5

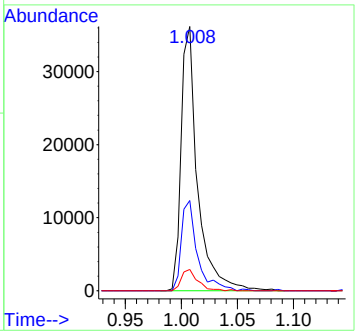


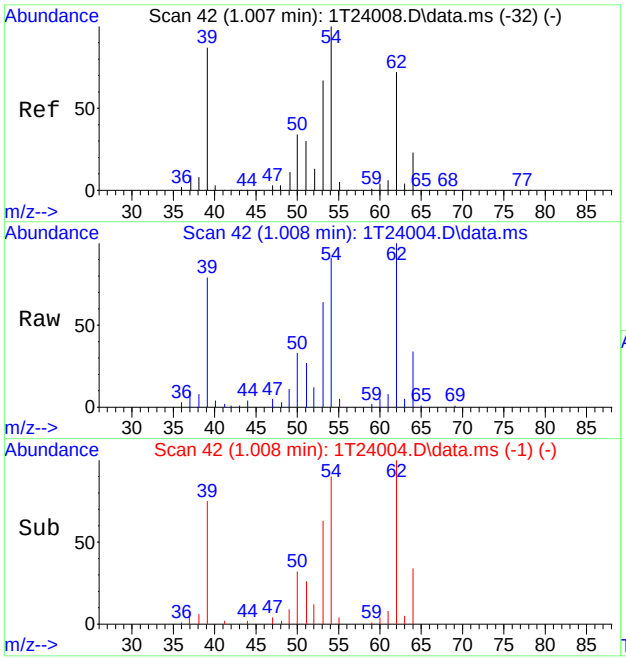


#9
vinyl chloride
Concen: 9.39 ug/L
RT: 1.008 min Scan# 42
Delta R.T. 0.006 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 62 Resp: 36883

Ion	Ratio	Lower	Upper
62	100		
64	34.1	1.5	61.5
61	8.1	0.0	38.2

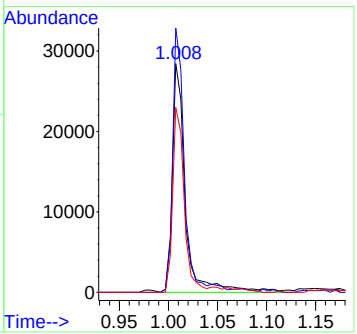


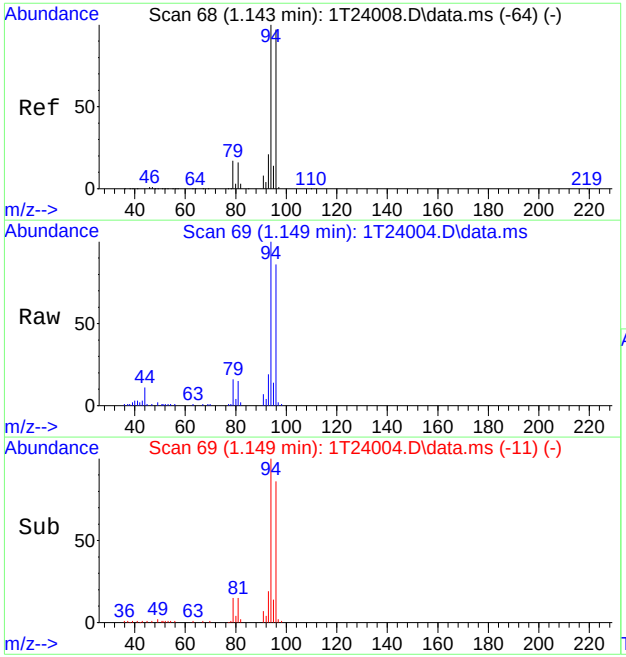


#10
1,3-butadiene
Concen: 9.18 ug/L
RT: 1.008 min Scan# 42
Delta R.T. 0.000 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 39 Resp: 26231

Ion	Ratio	Lower	Upper
39	100		
54	115.6	84.6	144.6
53	80.9	47.3	107.3

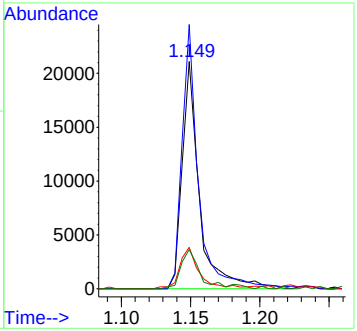


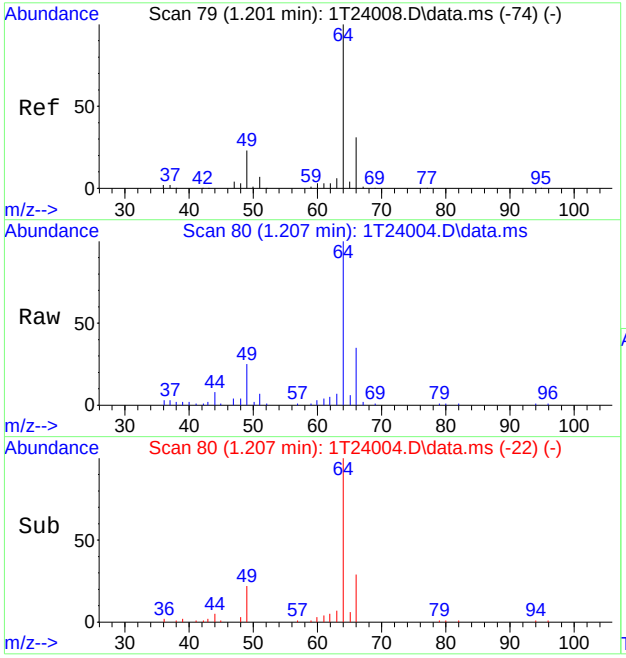


#11
bromomethane
Concen: 8.43 ug/L
RT: 1.149 min Scan# 69
Delta R.T. 0.006 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 96 Resp: 18484

Ion	Ratio	Lower	Upper
96	100		
94	116.3	73.2	133.2
79	17.5	17.3	17.3#
81	17.3	0.0	36.8

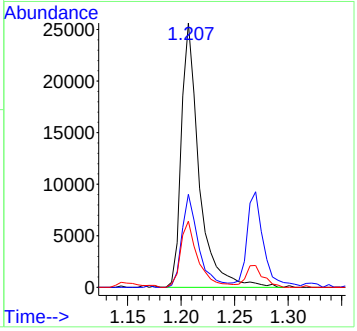


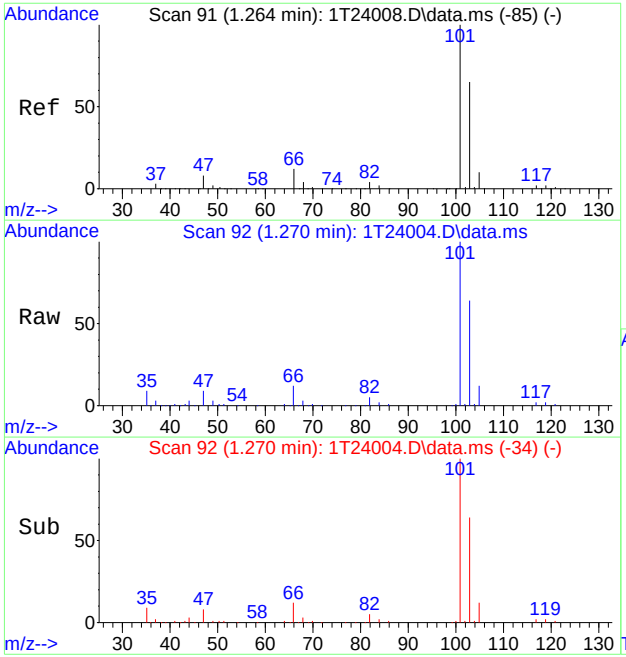


#12
chloroethane
Concen: 7.78 ug/L
RT: 1.207 min Scan# 80
Delta R.T. 0.006 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 64 Resp: 29630

Ion	Ratio	Lower	Upper
64	100		
66	35.3	0.9	60.9
49	25.0	0.0	52.7

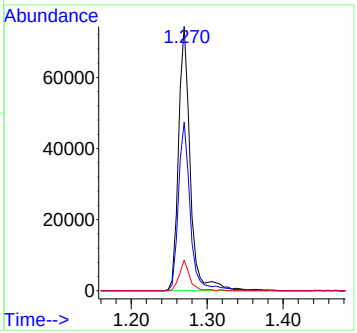


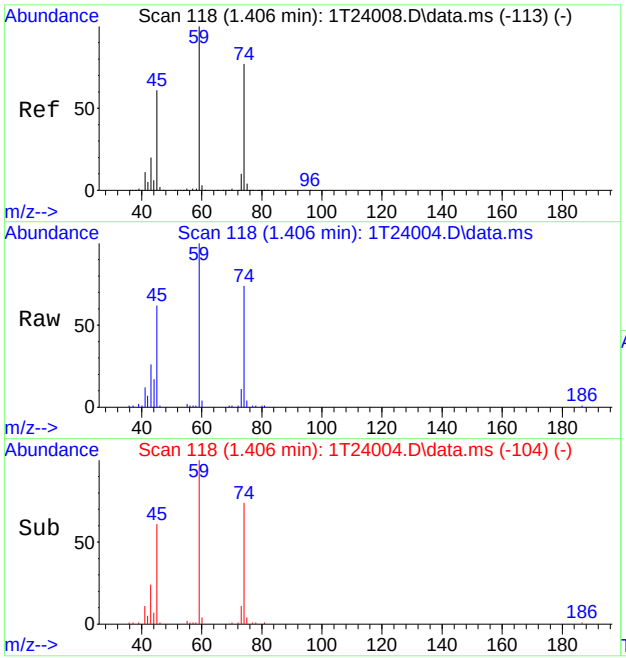


#13
trichlorofluoromethane
Concen: 9.00 ug/L
RT: 1.270 min Scan# 92
Delta R.T. 0.006 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion:101 Resp: 80735

Ion	Ratio	Lower	Upper
101	100		
103	63.8	34.8	94.8
105	11.7	0.0	40.0

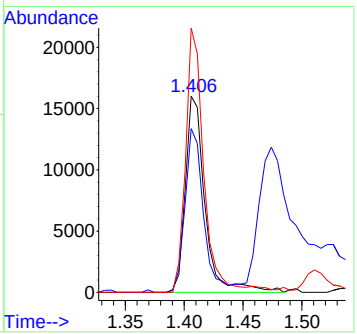


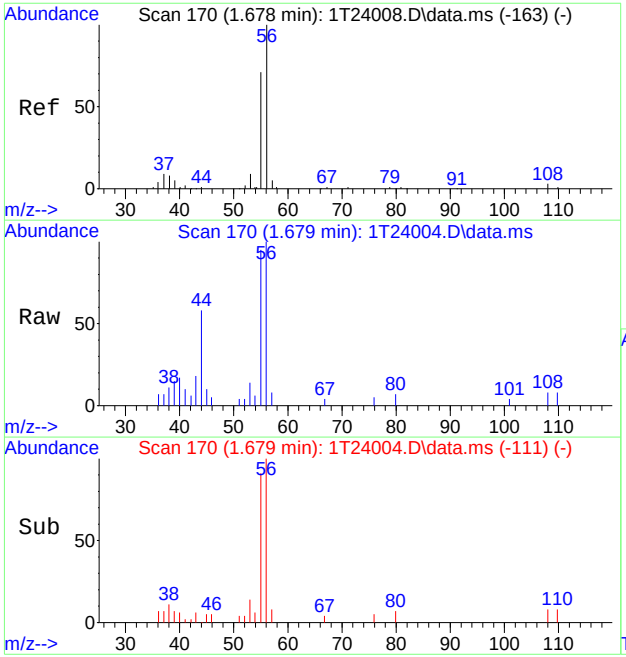


#14
ethyl ether
Concen: 9.07 ug/L
RT: 1.406 min Scan# 118
Delta R.T. 0.000 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 74 Resp: 18621

Ion	Ratio	Lower	Upper
74	100		
45	83.3	48.9	108.9
59	134.7	99.2	159.2

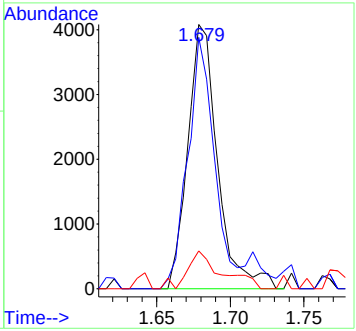


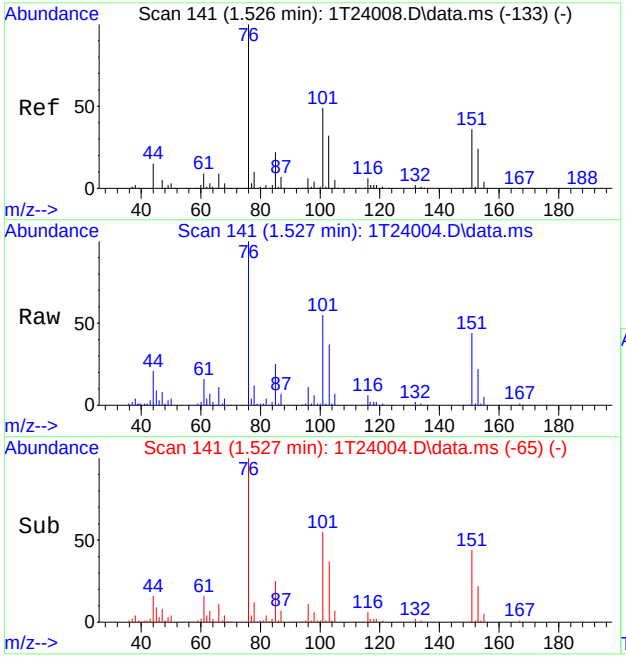


#15
acrolein
Concen: 6.88 ug/L
RT: 1.679 min Scan# 170
Delta R.T. 0.000 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 56 Resp: 5762

Ion	Ratio	Lower	Upper
56	100		
55	95.1	41.3	101.3
53	14.3	0.0	38.7

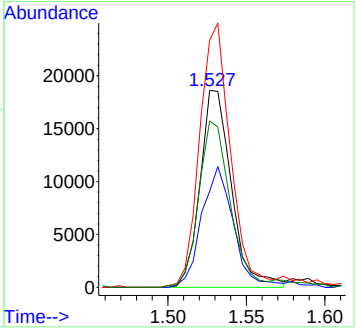


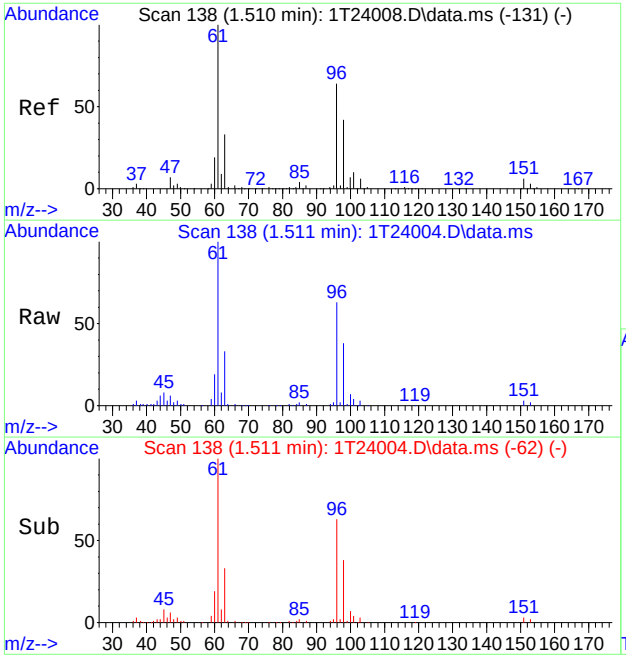


#16
freon 113
Concen: 9.45 ug/L
RT: 1.527 min Scan# 141
Delta R.T. 0.000 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion:151 Resp: 26062

Ion	Ratio	Lower	Upper
151	100		
153	48.8	46.1	86.1
101	125.4	116.7	156.7
103	84.4	68.3	108.3

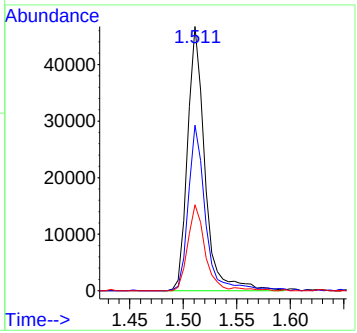


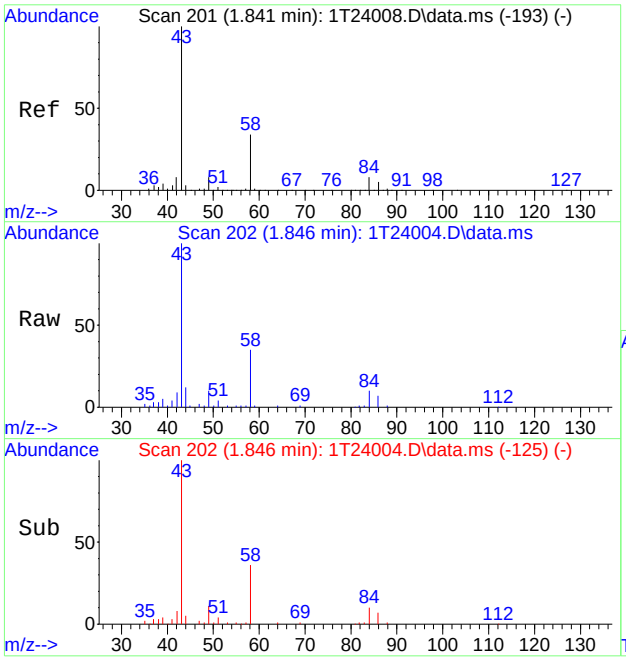


#17
1,1-dichloroethene
Concen: 8.95 ug/L
RT: 1.511 min Scan# 138
Delta R.T. 0.000 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 61 Resp: 52969

Ion	Ratio	Lower	Upper
61	100		
96	62.7	33.7	93.7
63	32.5	2.8	62.8

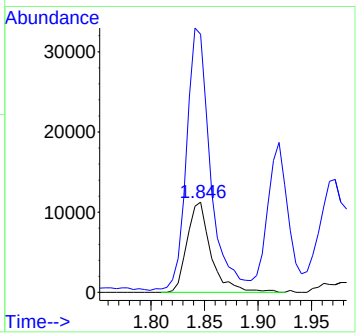


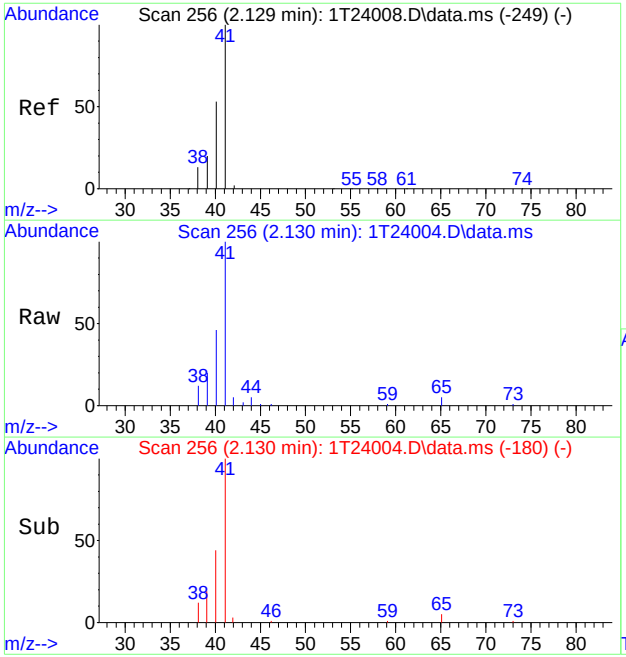


#18
acetone
Concen: 33.30 ug/L
RT: 1.846 min Scan# 202
Delta R.T. 0.006 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 58 Resp: 17476

Ion	Ratio	Lower	Upper
58	100		
43	282.5	263.8	323.8

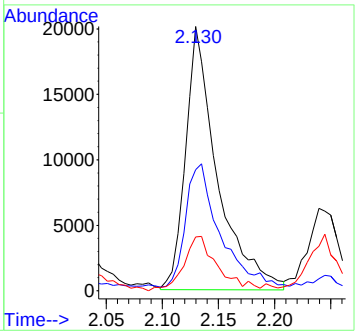


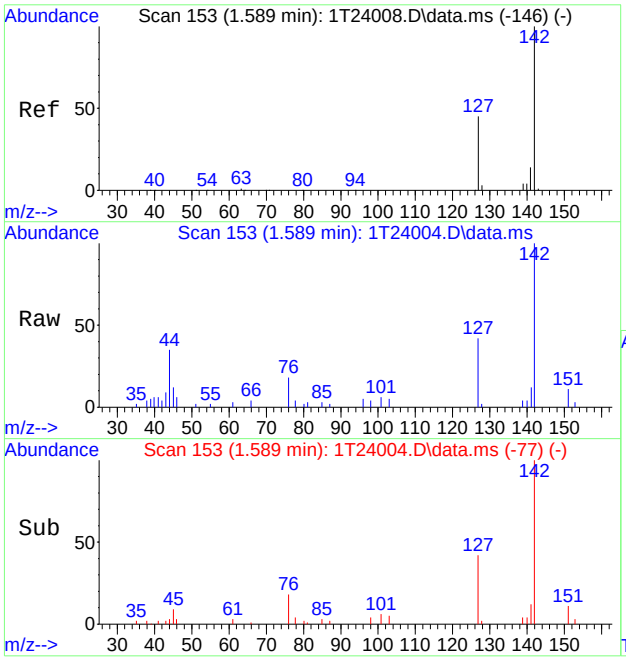


#19
acetonitrile
Concen: 82.19 ug/L
RT: 2.130 min Scan# 256
Delta R.T. 0.000 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 41 Resp: 39596

Ion	Ratio	Lower	Upper
41	100		
40	44.8	23.2	83.2
39	19.3	0.0	49.8

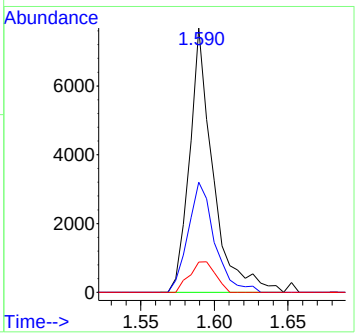


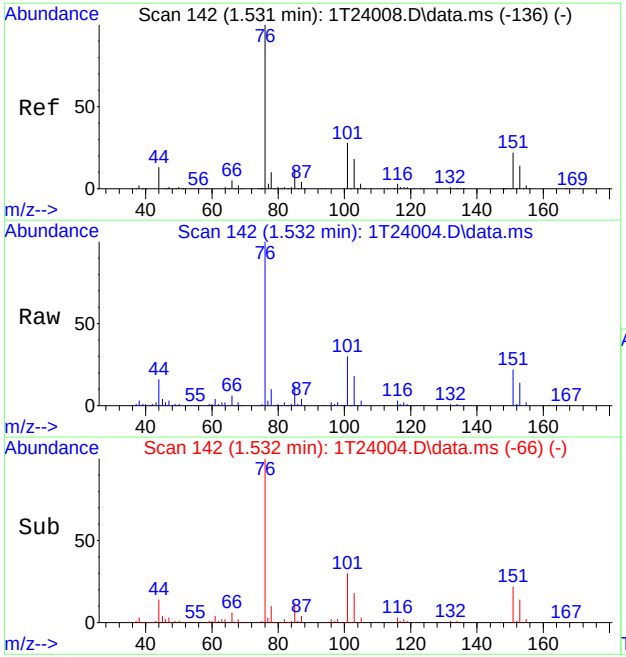


#20
iodomethane
Concen: 7.64 ug/L
RT: 1.589 min Scan# 153
Delta R.T. 0.000 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion:142 Resp: 8545

Ion	Ratio	Lower	Upper
142	100		
127	41.6	14.7	74.7
141	11.5	0.0	44.3

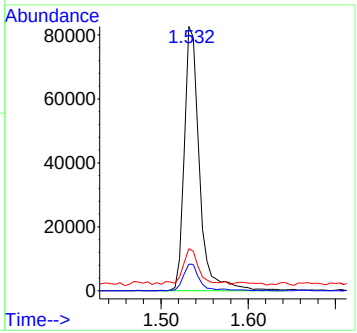


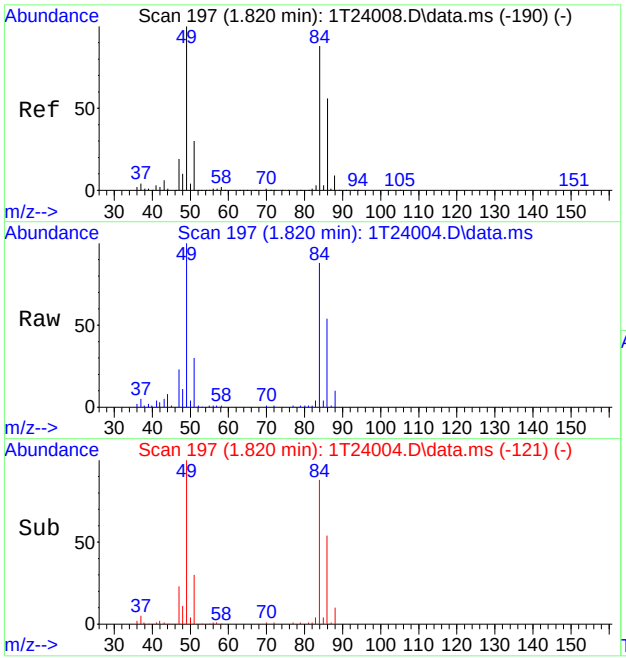


#21
carbon disulfide
Concen: 8.73 ug/L
RT: 1.532 min Scan# 142
Delta R.T. 0.000 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 76 Resp: 100080

Ion	Ratio	Lower	Upper
76	100		
78	10.1	0.0	40.0
44	13.5	0.0	43.4

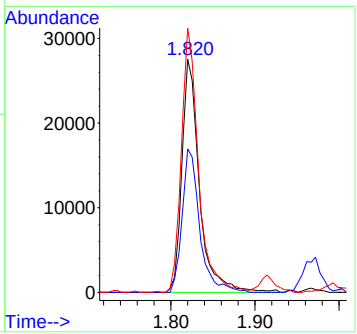




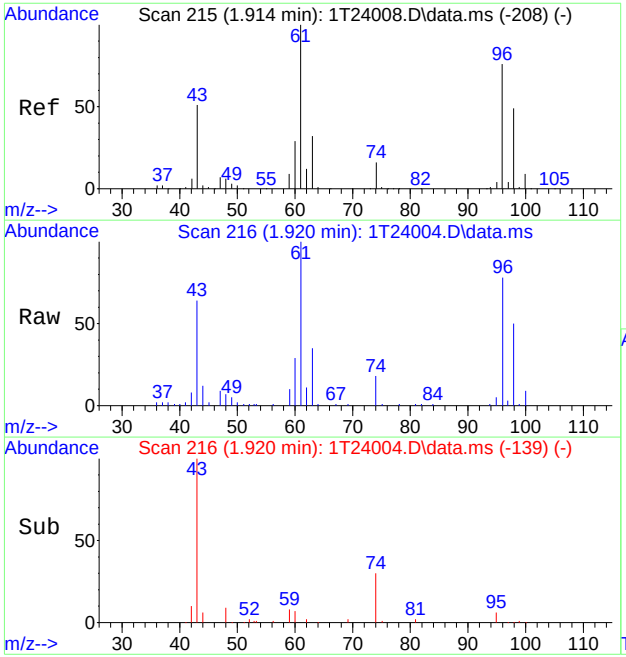
#22
methylene chloride
Concen: 9.23 ug/L
RT: 1.820 min Scan# 197
Delta R.T. 0.000 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 84 Resp: 39844

Ion	Ratio	Lower	Upper
84	100		
86	61.6	34.2	94.2
49	113.4	84.0	144.0



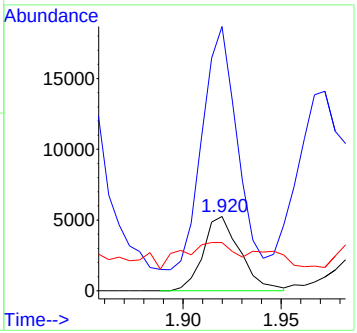
7.6.20
7

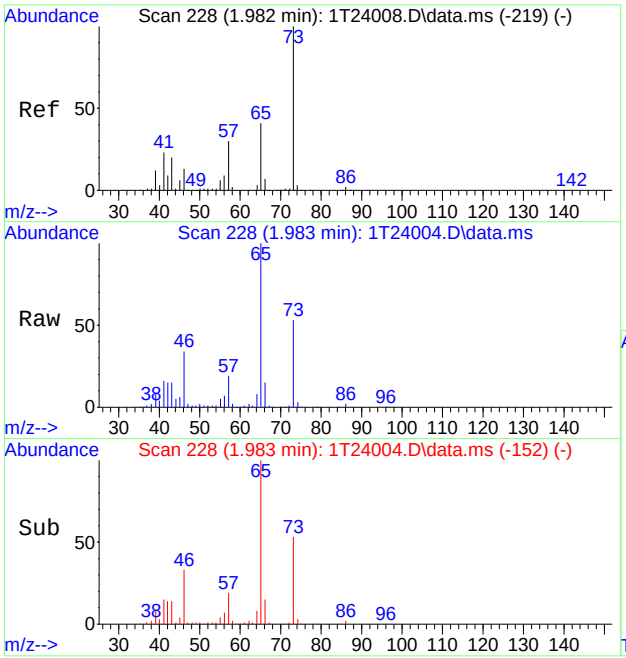


#23
methyl acetate
Concen: 8.83 ug/L
RT: 1.920 min Scan# 216
Delta R.T. 0.006 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 74 Resp: 6890

Ion	Ratio	Lower	Upper
74	100		
43	326.7	282.8	342.8
44	35.7	0.0	42.2

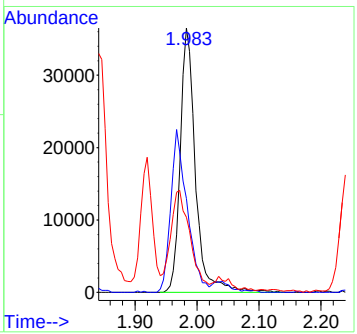


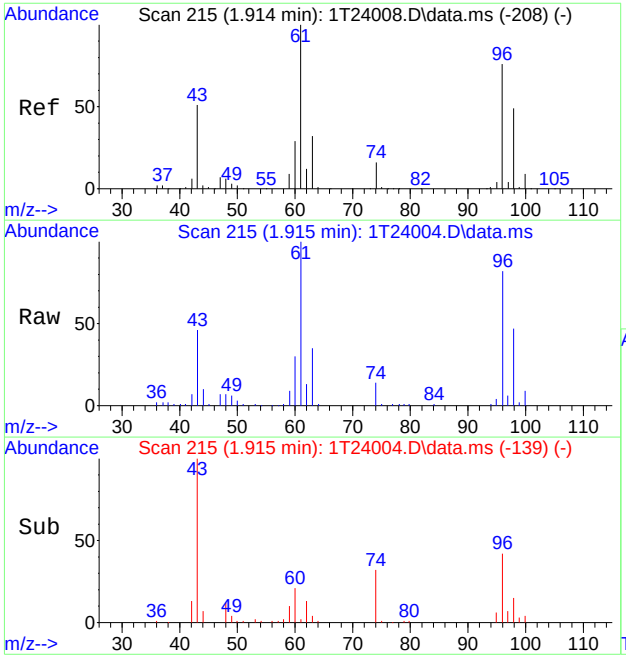


#24
methyl tert butyl ether
Concen: 9.11 ug/L
RT: 1.983 min Scan# 228
Delta R.T. 0.000 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 73 Resp: 62542

Ion	Ratio	Lower	Upper
73	100		
57	35.5	0.0	60.0
43	28.0	0.0	55.7

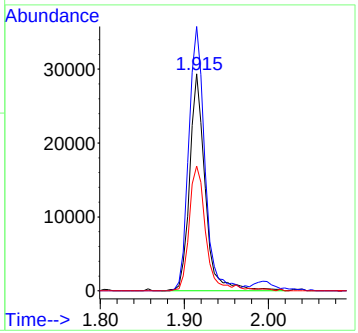


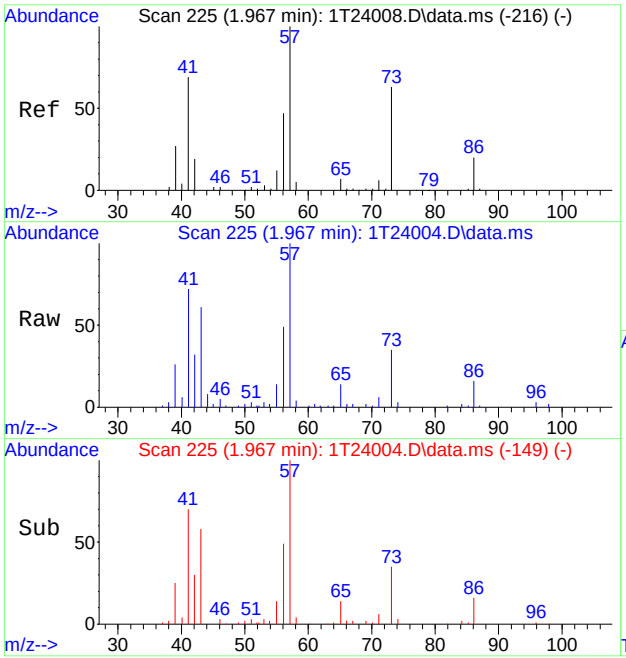


#25
trans-1,2-dichloroethene
Concen: 9.65 ug/L
RT: 1.915 min Scan# 215
Delta R.T. 0.000 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 96 Resp: 37798

Ion	Ratio	Lower	Upper
96	100		
61	121.8	101.0	161.0
98	57.5	34.5	94.5

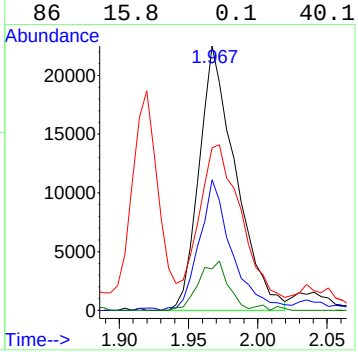


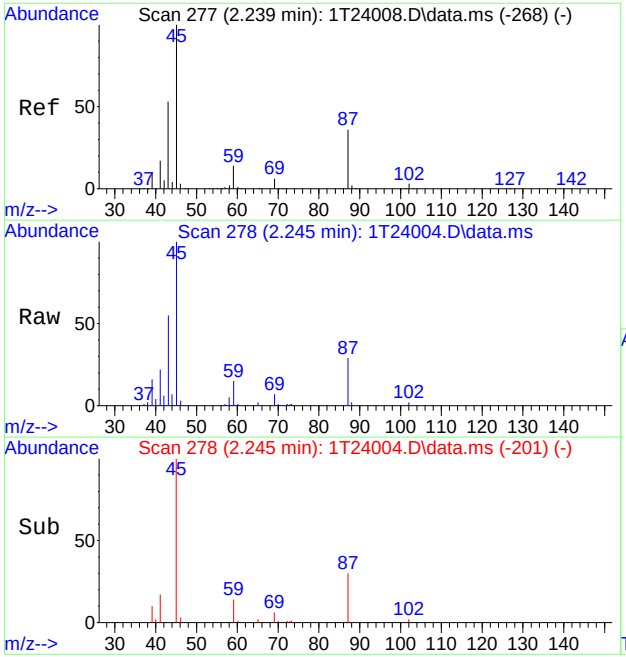


#26
hexane
Concen: 8.99 ug/L
RT: 1.967 min Scan# 225
Delta R.T. 0.000 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 57 Resp: 41415

Ion	Ratio	Lower	Upper
57	100		
56	49.4	27.2	67.2
43	56.5	37.1	77.1
86	15.8	0.1	40.1

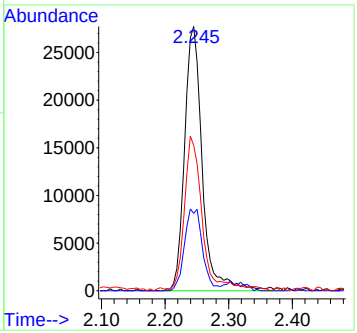


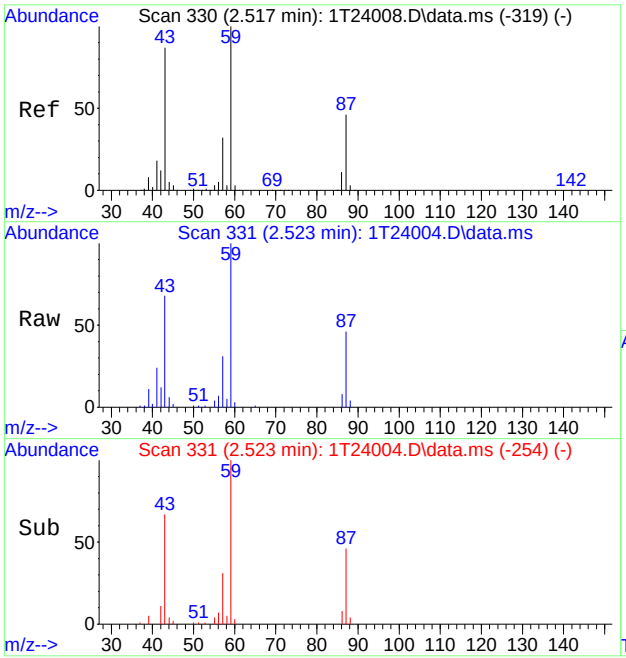


#27
di-isopropyl ether
Concen: 8.62 ug/L
RT: 2.245 min Scan# 278
Delta R.T. 0.006 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 45 Resp: 53880

Ion	Ratio	Lower	Upper
45	100		
87	29.3	6.3	66.3
43	53.9	23.0	83.0

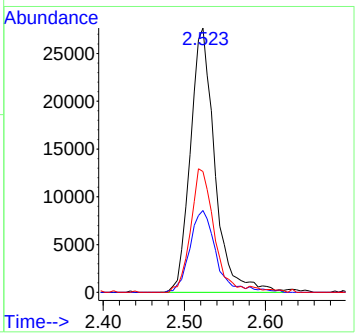


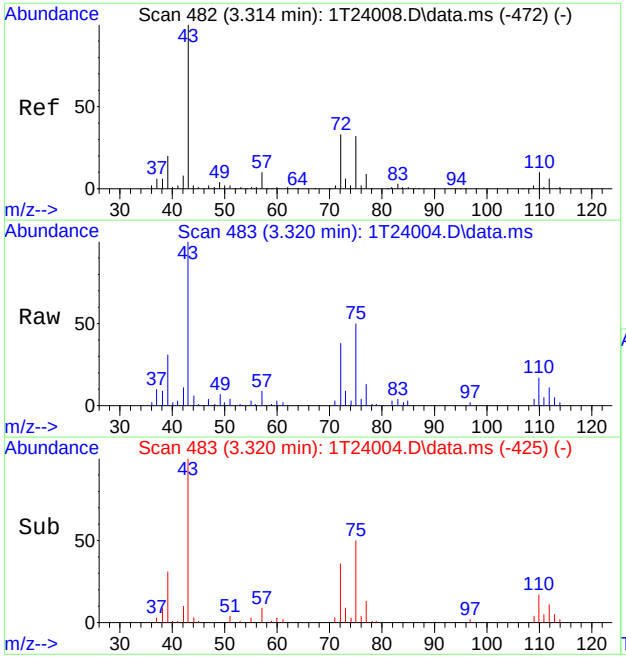


#28
ethyl tert-butyl ether
Concen: 8.59 ug/L
RT: 2.523 min Scan# 331
Delta R.T. 0.006 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 59 Resp: 58042

Ion	Ratio	Lower	Upper
59	100		
57	30.9	2.1	62.1
87	45.7	15.5	75.5

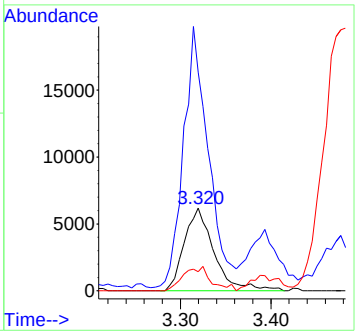


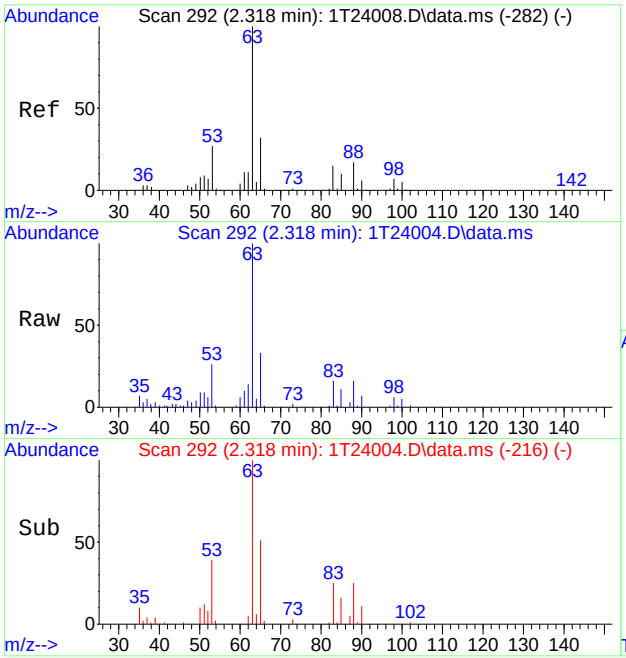


#29
2-butanone
Concen: 33.83 ug/L
RT: 3.320 min Scan# 483
Delta R.T. 0.006 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 72 Resp: 14160

Ion	Ratio	Lower	Upper
72	100		
43	258.1	273.9	333.9#
57	23.1	0.0	58.9

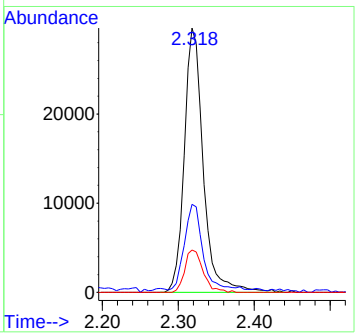


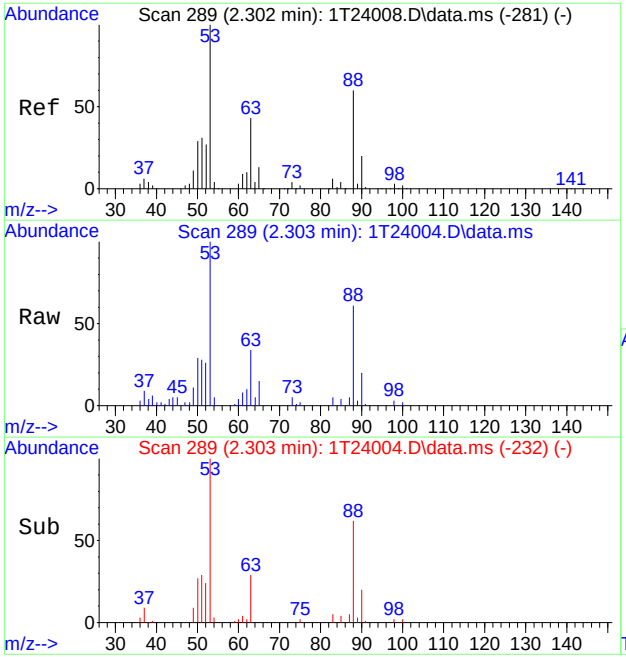


#30
1,1-dichloroethane
Concen: 8.68 ug/L
RT: 2.318 min Scan# 292
Delta R.T. 0.000 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 63 Resp: 51416

Ion	Ratio	Lower	Upper
63	100		
65	32.7	2.0	62.0
83	16.0	0.0	45.2

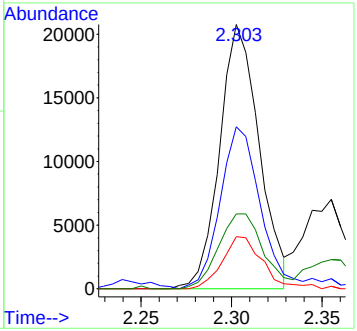


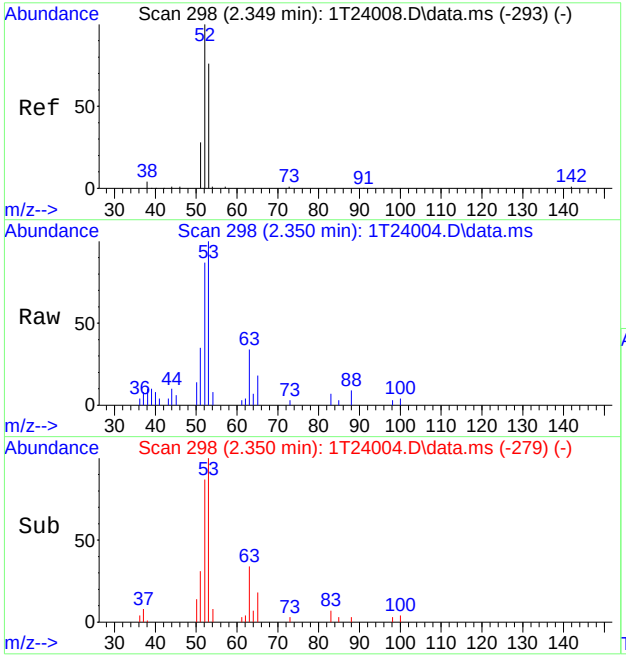


#31
chloroprene
Concen: 8.02 ug/L
RT: 2.303 min Scan# 289
Delta R.T. 0.000 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 53 Resp: 31499

Ion	Ratio	Lower	Upper
53	100		
88	60.1	29.5	89.5
90	19.7	0.0	49.7
51	28.3	0.7	60.7

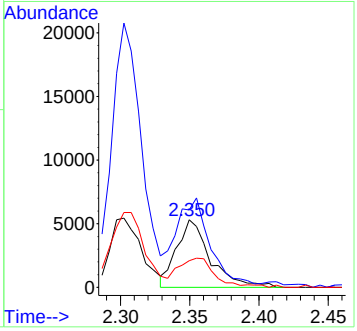


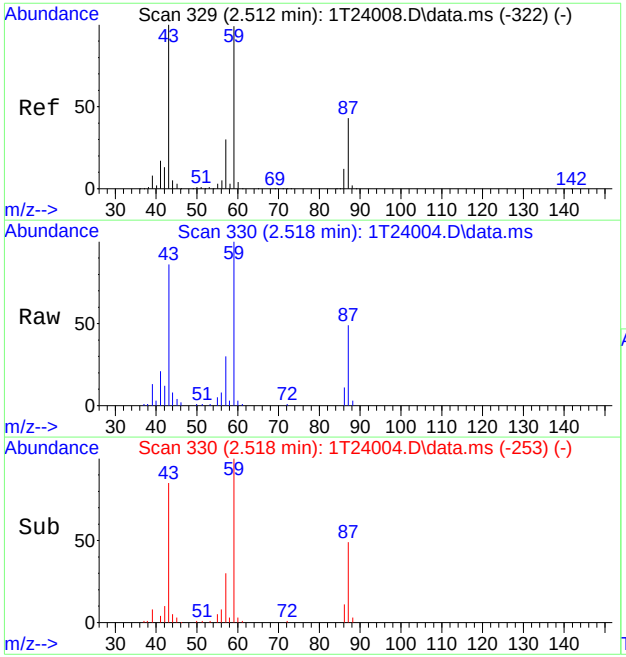


#32
acrylonitrile
Concen: 7.57 ug/L
RT: 2.350 min Scan# 298
Delta R.T. 0.000 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 52 Resp: 9007

Ion	Ratio	Lower	Upper
52	100		
53	110.6	96.8	156.8
51	39.6	14.4	74.4

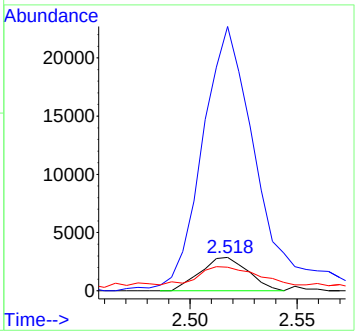


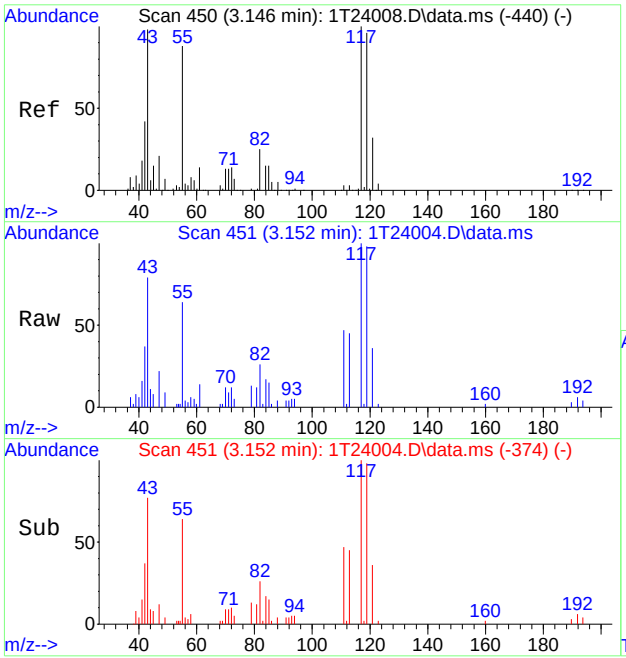


#33
vinyl acetate
Concen: 7.33 ug/L
RT: 2.518 min Scan# 330
Delta R.T. 0.006 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 86 Resp: 4471

Ion	Ratio	Lower	Upper
86	100		
43	774.1	805.6	865.6#
44	53.3	9.2	69.2

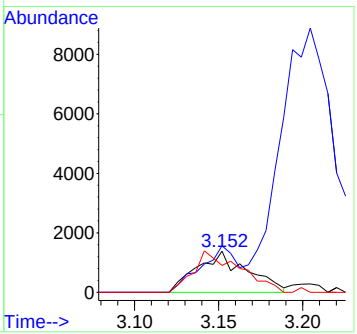


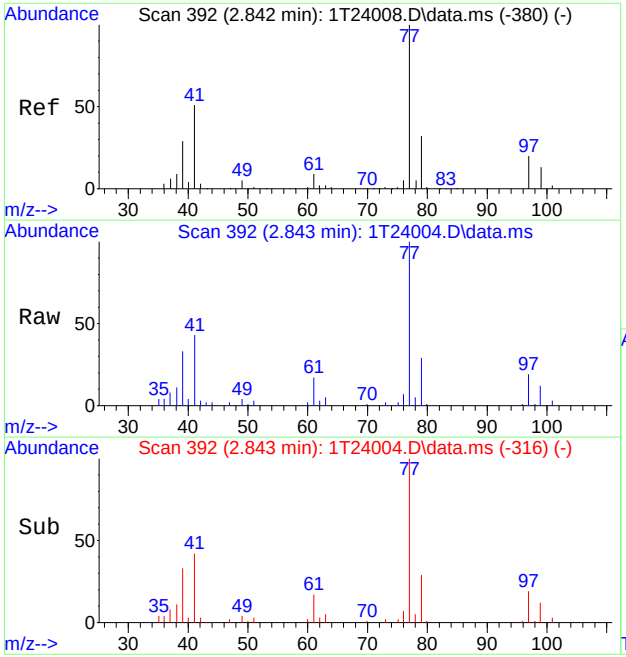


#34
ethyl acetate
Concen: 7.27 ug/L
RT: 3.152 min Scan# 451
Delta R.T. 0.006 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 70 Resp: 2870

Ion	Ratio	Lower	Upper
70	100		
61	112.7	81.1	141.1
45	65.4	86.0	146.0#

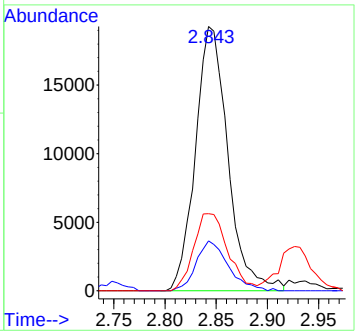


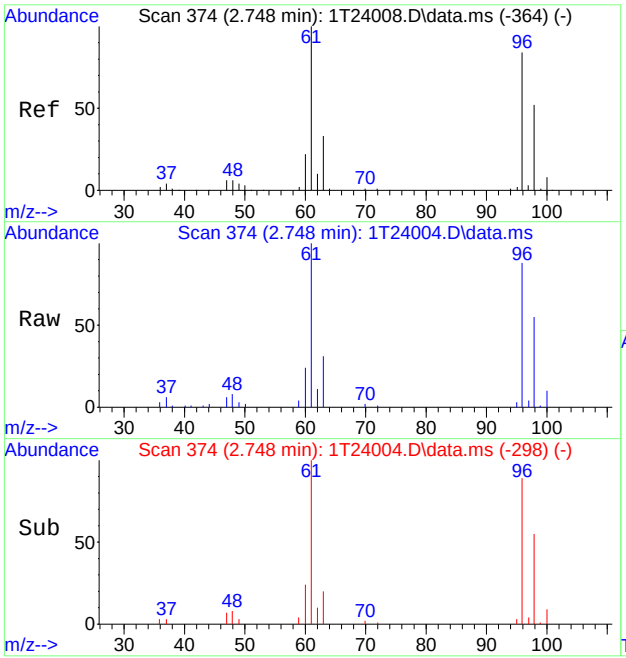


#35
2,2-dichloropropane
Concen: 9.34 ug/L
RT: 2.843 min Scan# 392
Delta R.T. 0.000 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 77 Resp: 42676

Ion	Ratio	Lower	Upper
77	100		
97	18.9	0.0	50.0
79	29.2	2.2	62.2

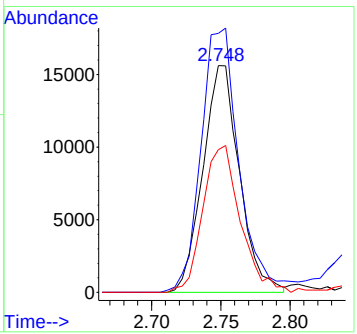


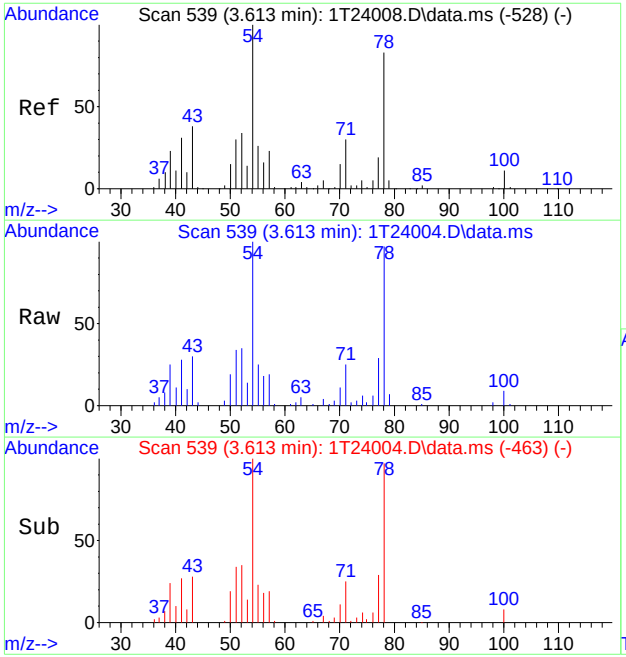


#36
cis-1,2-dichloroethene
Concen: 8.27 ug/L
RT: 2.748 min Scan# 374
Delta R.T. 0.000 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 96 Resp: 28643

Ion	Ratio	Lower	Upper
96	100		
61	114.2	89.4	149.4
98	63.0	32.0	92.0

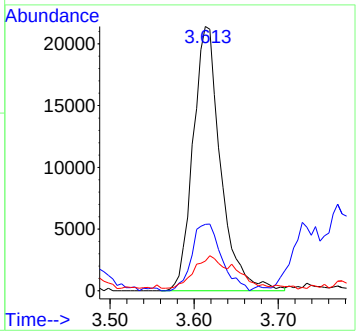


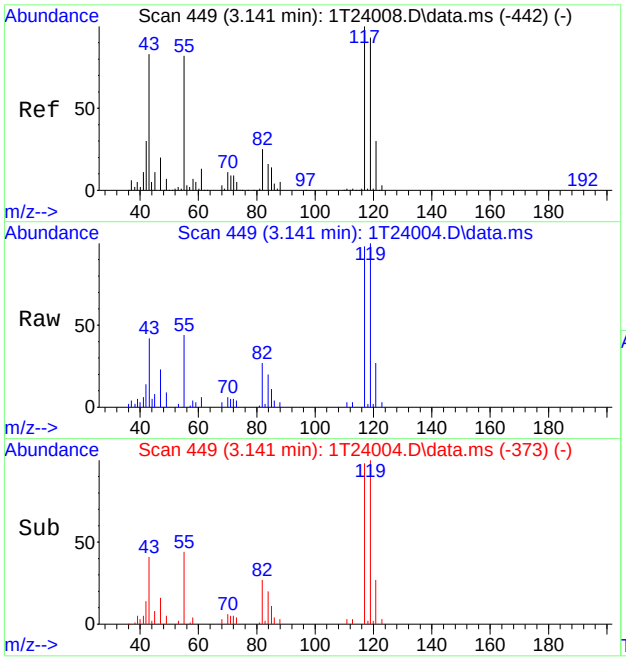


#37
propionitrile
Concen: 76.56 ug/L
RT: 3.613 min Scan# 539
Delta R.T. 0.000 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 54 Resp: 48894

Ion	Ratio	Lower	Upper
54	100		
55	25.2	0.0	55.9
40	10.3	0.0	41.2

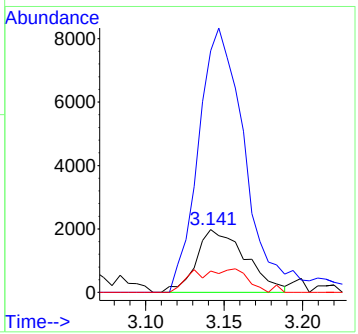


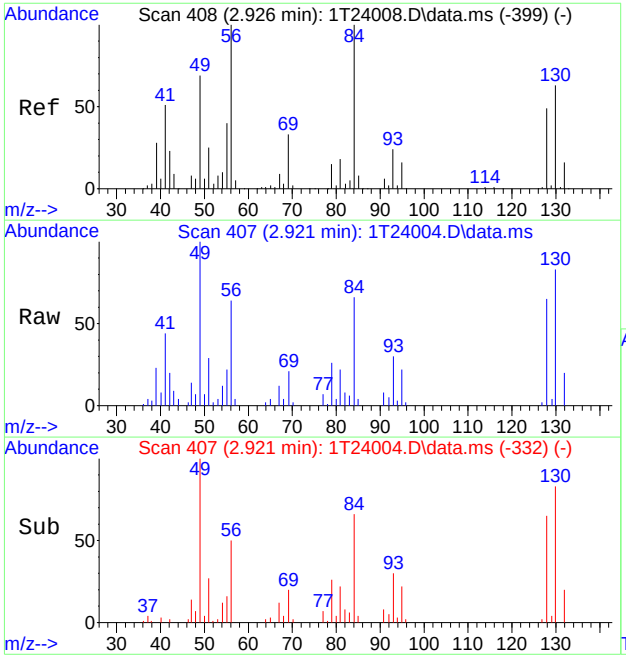


#38
methyl acrylate
Concen: 8.51 ug/L
RT: 3.141 min Scan# 449
Delta R.T. 0.000 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 85 Resp: 4333

Ion	Ratio	Lower	Upper
85	100		
55	384.6	512.8	552.8#
58	33.8	28.3	68.3

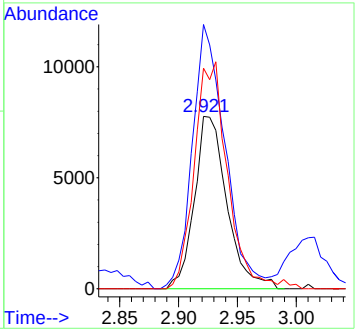


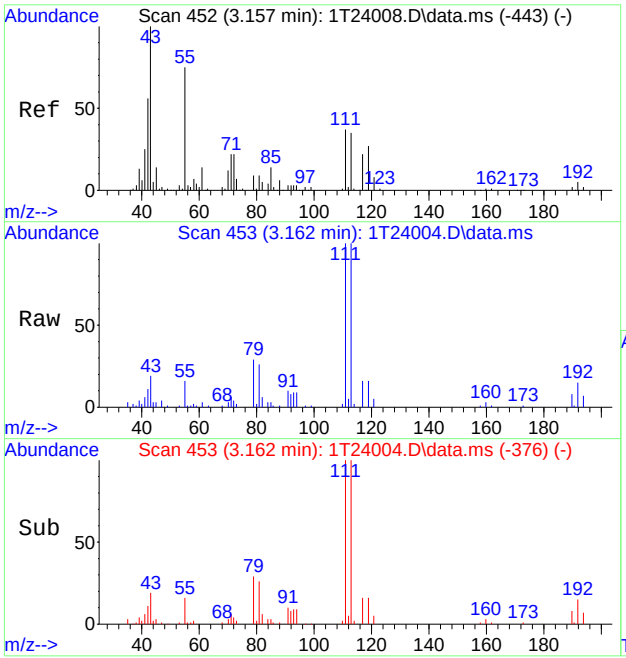


#39
bromochloromethane
Concen: 8.33 ug/L
RT: 2.921 min Scan# 407
Delta R.T. -0.005 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion:128 Resp: 14980

Ion	Ratio	Lower	Upper
128	100		
49	153.3	110.2	170.2
130	127.8	98.0	158.0

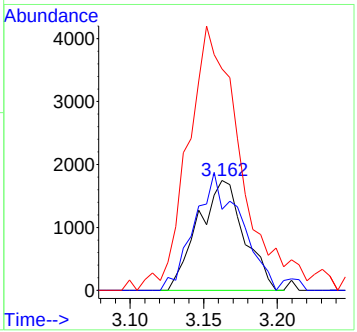


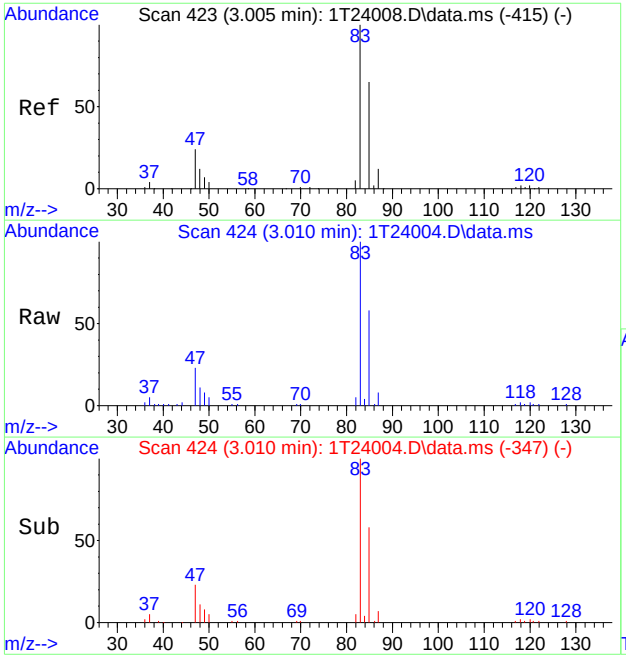


#40
tetrahydrofuran
Concen: 8.32 ug/L
RT: 3.162 min Scan# 453
Delta R.T. 0.006 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 71 Resp: 3782

Ion	Ratio	Lower	Upper
71	100		
72	73.7	71.2	131.2
42	192.4	227.1	287.1#

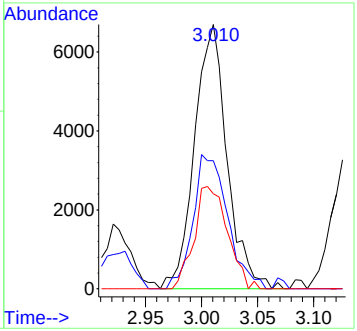


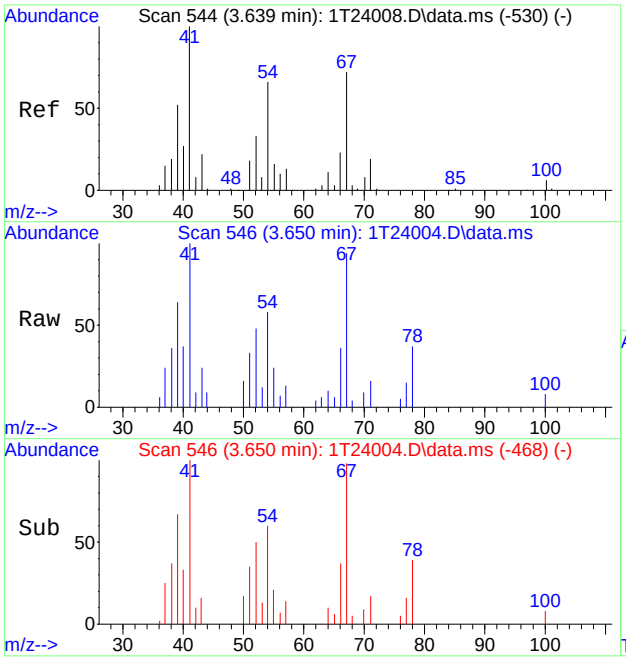


#41
chloroform
Concen: 7.72 ug/L
RT: 3.010 min Scan# 424
Delta R.T. 0.006 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 47 Resp: 13543

Ion	Ratio	Lower	Upper
47	100		
48	48.5	19.2	79.2
87	36.0	18.5	78.5

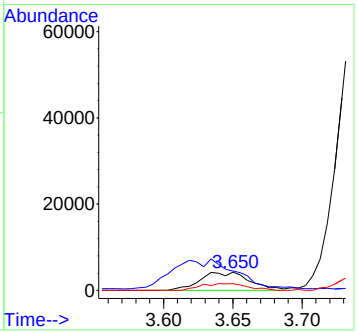


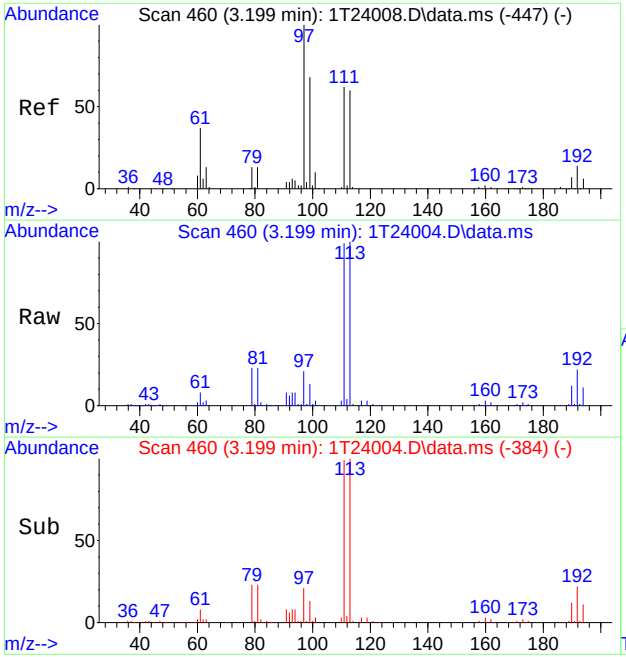


#43
methacrylonitrile
Concen: 8.15 ug/L
RT: 3.650 min Scan# 546
Delta R.T. 0.011 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 67 Resp: 10478

Ion	Ratio	Lower	Upper
67	100		
41	89.0	109.1	169.1#
66	38.0	2.0	62.0

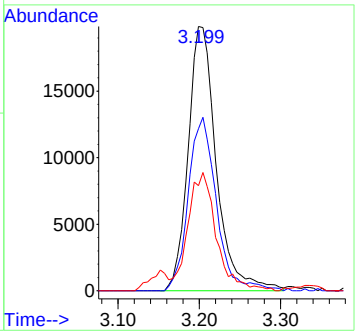


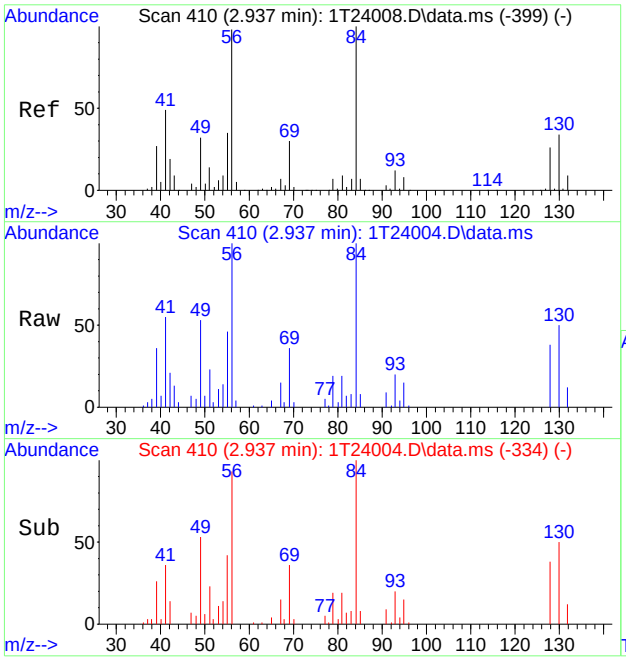


#44
1,1,1-trichloroethane
Concen: 9.22 ug/L
RT: 3.199 min Scan# 460
Delta R.T. 0.000 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 97 Resp: 48037

Ion	Ratio	Lower	Upper
97	100		
99	61.3	38.0	98.0
61	38.7	11.6	71.6

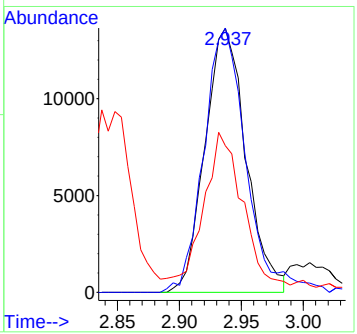


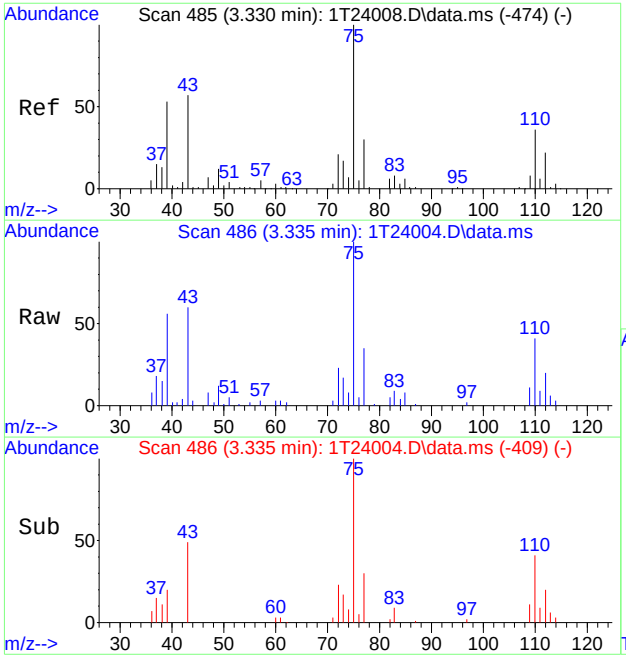


#45
cyclohexane
Concen: 8.61 ug/L
RT: 2.937 min Scan# 410
Delta R.T. 0.000 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 84 Resp: 31383

Ion	Ratio	Lower	Upper
84	100		
56	100.1	78.4	118.4
41	51.3	30.2	70.2

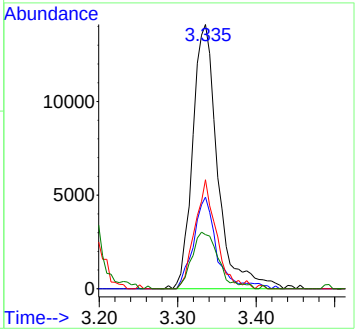


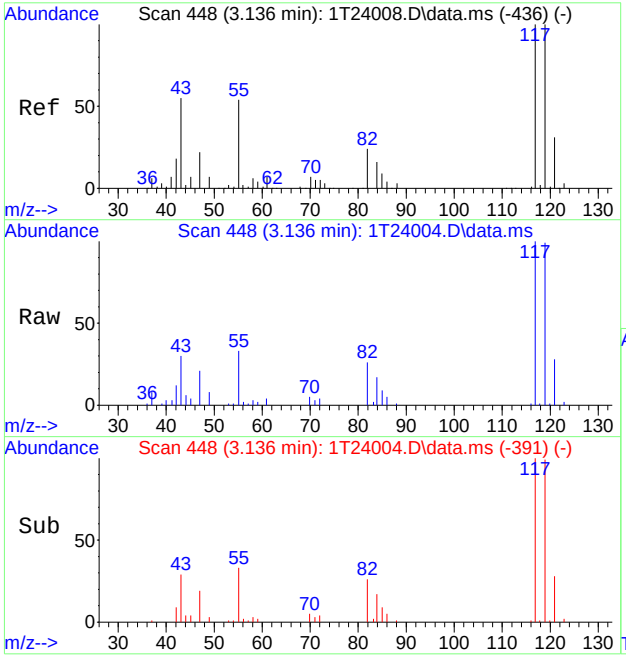


#46
1,1-dichloropropene
Concen: 9.27 ug/L
RT: 3.335 min Scan# 486
Delta R.T. 0.006 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 75 Resp: 31268

Ion	Ratio	Lower	Upper
75	100		
77	34.6	9.7	49.7
110	41.2	15.7	55.7
112	20.5	2.4	42.4

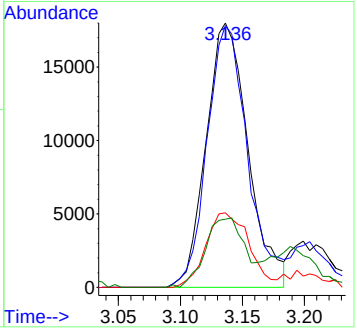


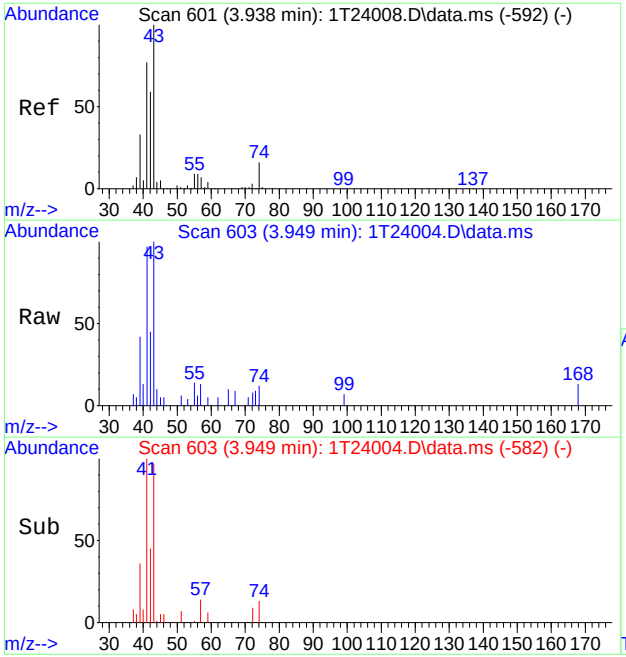


#47
carbon tetrachloride
Concen: 9.46 ug/L
RT: 3.136 min Scan# 448
Delta R.T. 0.000 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion:117 Resp: 42422

Ion	Ratio	Lower	Upper
117	100		
119	99.0	80.5	120.5
121	28.3	11.1	51.1
82	25.7	4.2	44.2

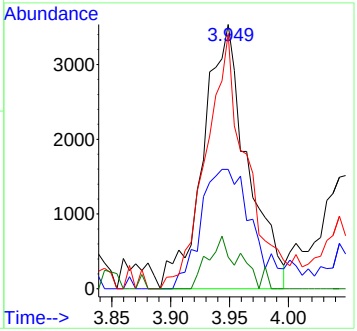


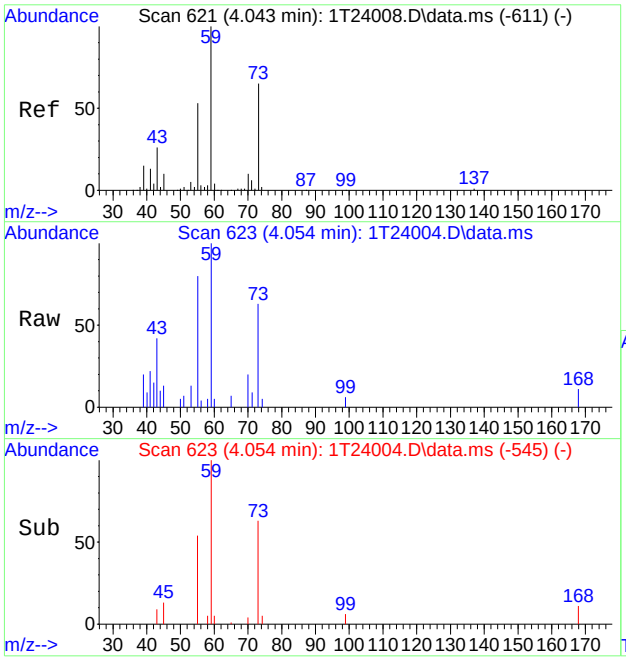


#48
isobutyl alcohol
Concen: 67.95 ug/L
RT: 3.949 min Scan# 603
Delta R.T. 0.011 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 43 Resp: 9187

Ion	Ratio	Lower	Upper
43	100		
42	45.2	39.1	79.1
41	96.6	57.3	97.3
74	12.0	0.0	35.9

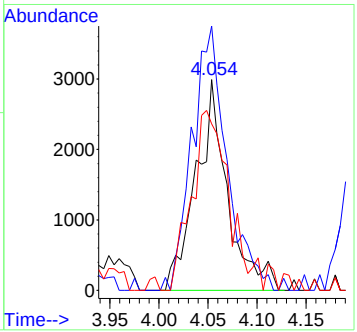


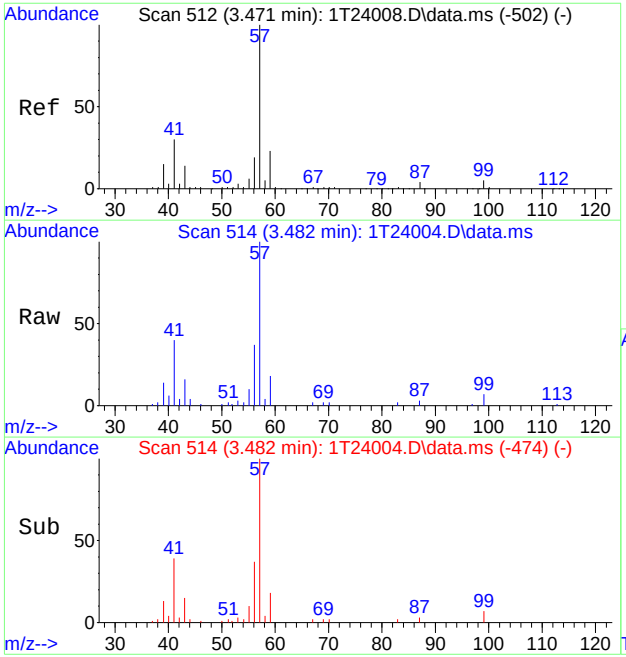


#49
tert-amyl alcohol
Concen: 38.93 ug/L
RT: 4.054 min Scan# 623
Delta R.T. 0.011 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 55 Resp: 6672

Ion	Ratio	Lower	Upper
55	100		
59	125.5	167.3	207.3#
73	79.0	102.0	142.0#

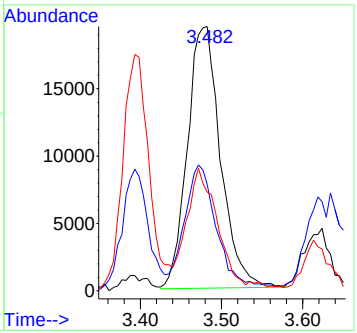


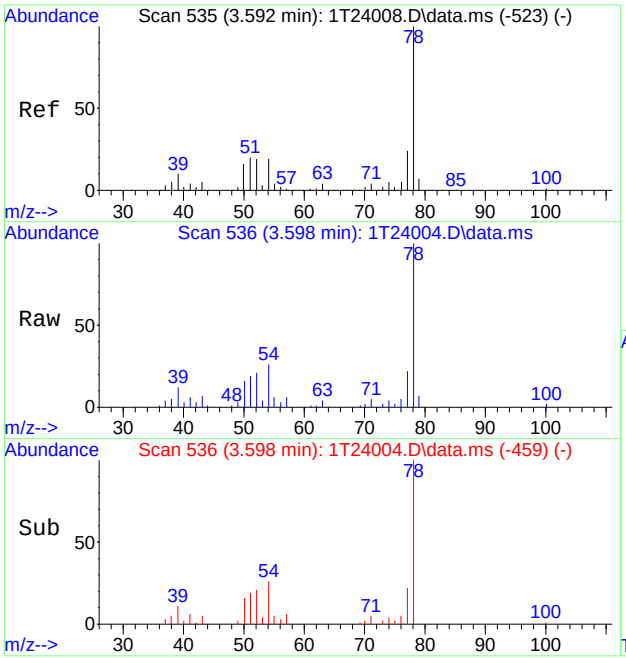


#52
iso-octane
Concen: 9.01 ug/L
RT: 3.482 min Scan# 514
Delta R.T. 0.011 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 57 Resp: 55200

Ion	Ratio	Lower	Upper
57	100		
41	38.9	17.8	57.8
56	36.5	15.2	55.2

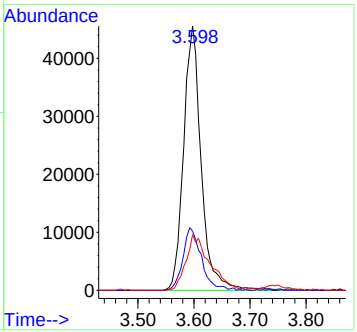


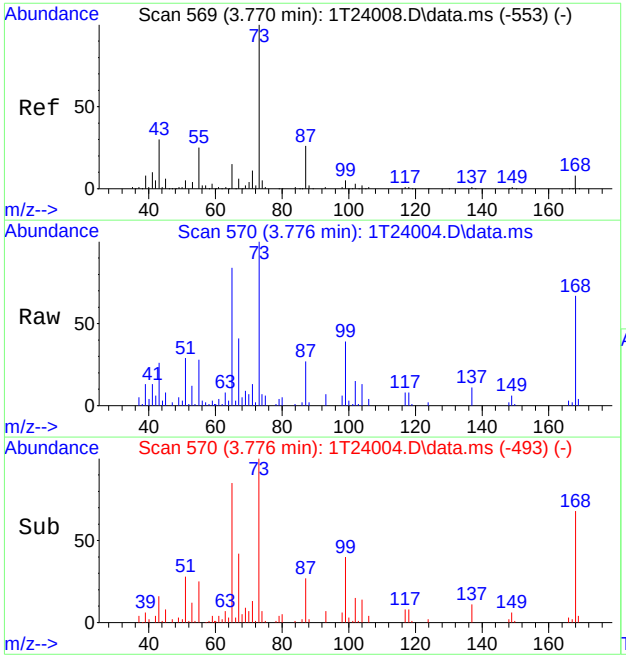


#53
benzene
Concen: 8.91 ug/L
RT: 3.598 min Scan# 536
Delta R.T. 0.006 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 78 Resp: 99810

Ion	Ratio	Lower	Upper
78	100		
77	22.4	0.0	54.3
52	21.1	0.0	48.8

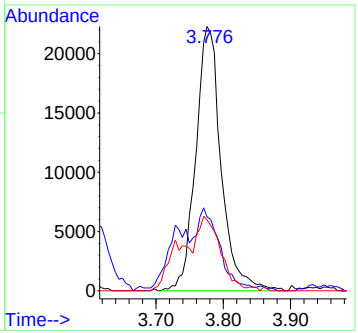


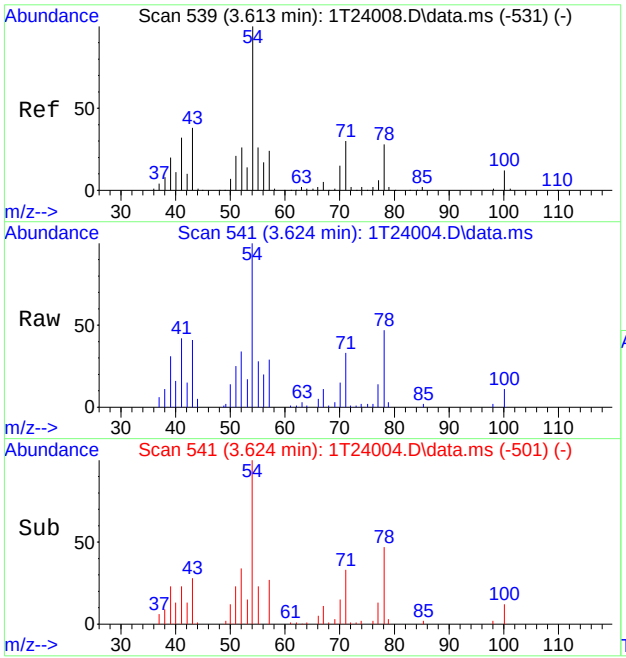


#54
tert-amyl methyl ether
Concen: 7.98 ug/L
RT: 3.776 min Scan# 570
Delta R.T. 0.006 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 73 Resp: 58514

Ion	Ratio	Lower	Upper
73	100		
55	27.9	5.6	45.6
87	26.9	6.1	46.1

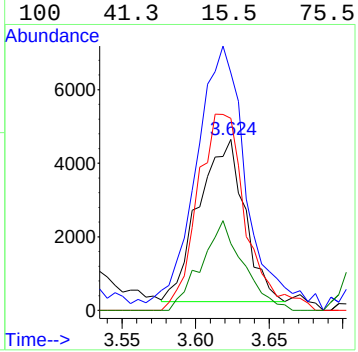


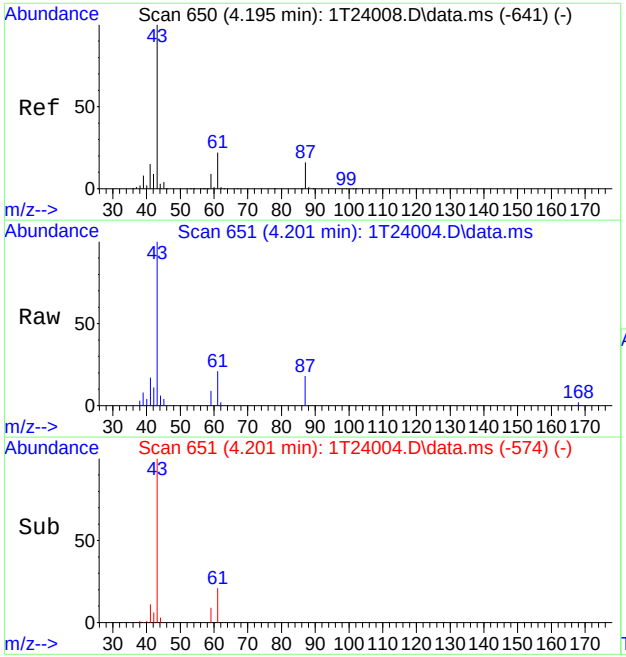


#55
heptane
Concen: 7.70 ug/L
RT: 3.624 min Scan# 541
Delta R.T. 0.011 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 57 Resp: 9564

Ion	Ratio	Lower	Upper
57	100		
43	134.1	120.9	180.9
71	118.5	89.7	149.7
100	41.3	15.5	75.5

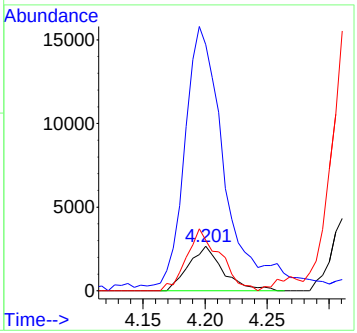


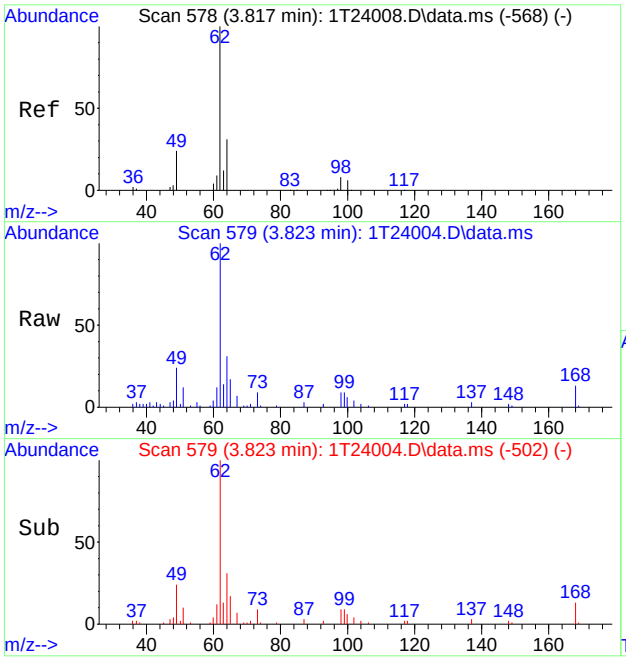


#56
isopropyl acetate
Concen: 7.33 ug/L
RT: 4.201 min Scan# 651
Delta R.T. 0.006 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 87 Resp: 5183

Ion	Ratio	Lower	Upper
87	100		
43	533.6	606.7	666.7#
61	113.2	109.0	169.0

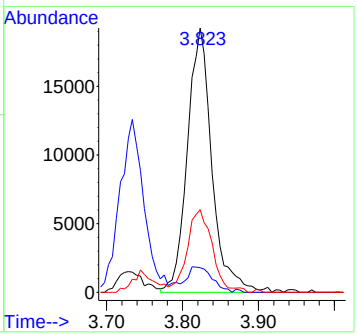


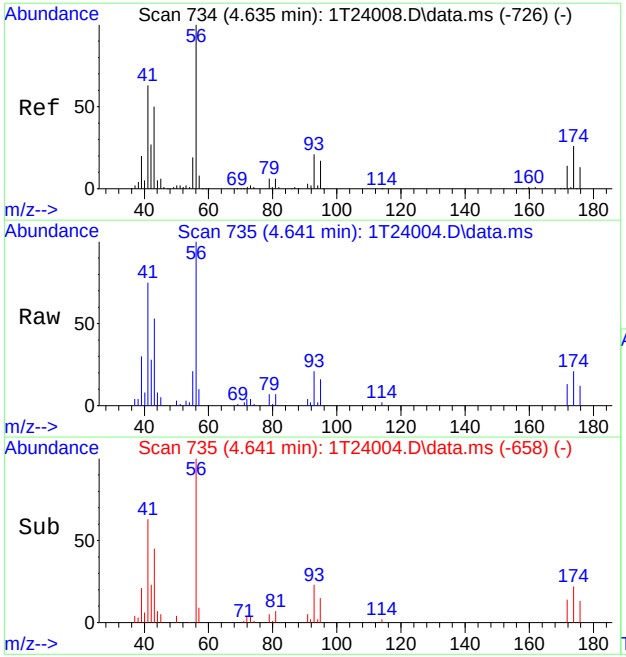


#57
1,2-dichloroethane
Concen: 8.36 ug/L
RT: 3.823 min Scan# 579
Delta R.T. 0.006 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 62 Resp: 43359

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	39.3
64	31.3	1.8	61.8

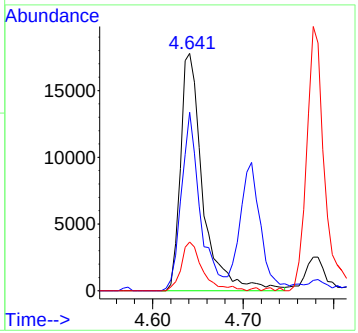


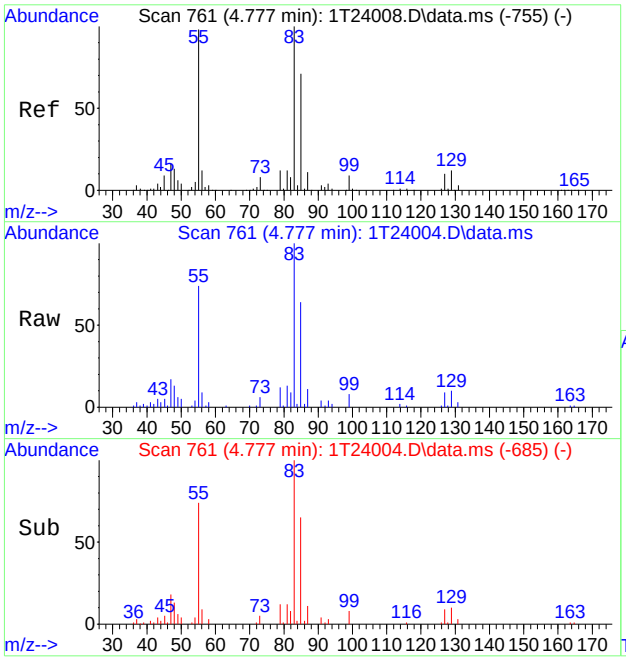


#58
n-butyl alcohol
Concen: 287.56 ug/L
RT: 4.641 min Scan# 735
Delta R.T. 0.006 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 56 Resp: 30755

Ion	Ratio	Lower	Upper
56	100		
41	75.2	42.6	82.6
55	20.6	0.0	38.9

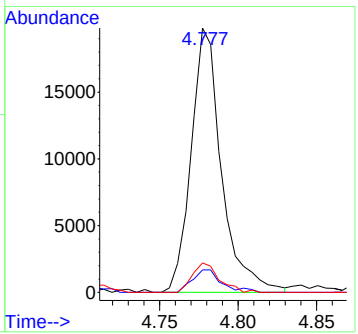


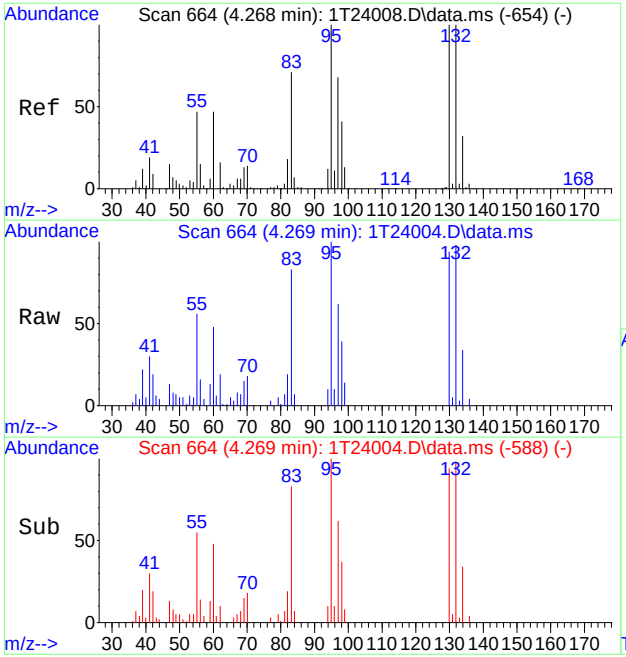


#59
ethyl acrylate
Concen: 7.85 ug/L
RT: 4.777 min Scan# 761
Delta R.T. 0.000 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 55 Resp: 26672

Ion	Ratio	Lower	Upper
55	100		
73	8.5	0.0	37.8
99	11.1	0.0	39.3

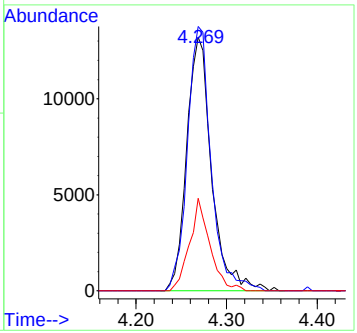


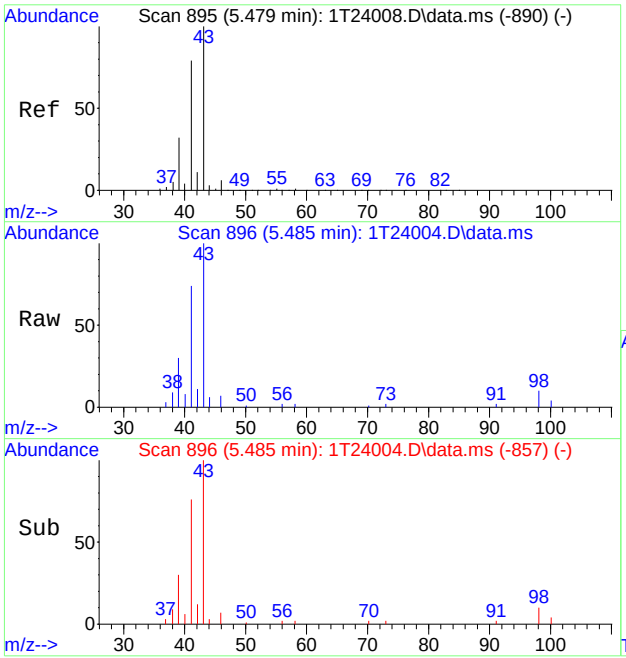


#60
trichloroethene
Concen: 8.72 ug/L
RT: 4.269 min Scan# 664
Delta R.T. 0.000 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion:130 Resp: 25329

Ion	Ratio	Lower	Upper
130	100		
132	104.2	69.8	129.8
134	36.4	2.3	62.3

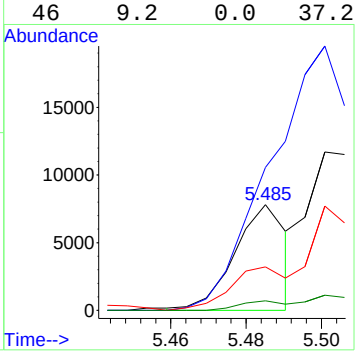


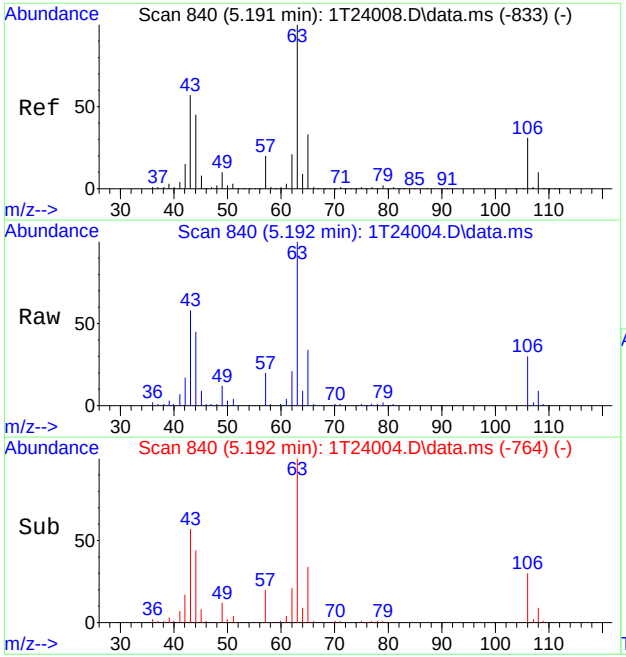


#61
2-nitropropane
Concen: 7.05 ug/L m
RT: 5.485 min Scan# 896
Delta R.T. 0.006 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 41 Resp: 7459

Ion	Ratio	Lower	Upper
41	100		
43	135.2	96.2	156.2
39	41.0	11.9	71.9
46	9.2	0.0	37.2

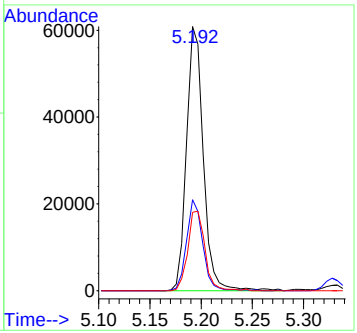


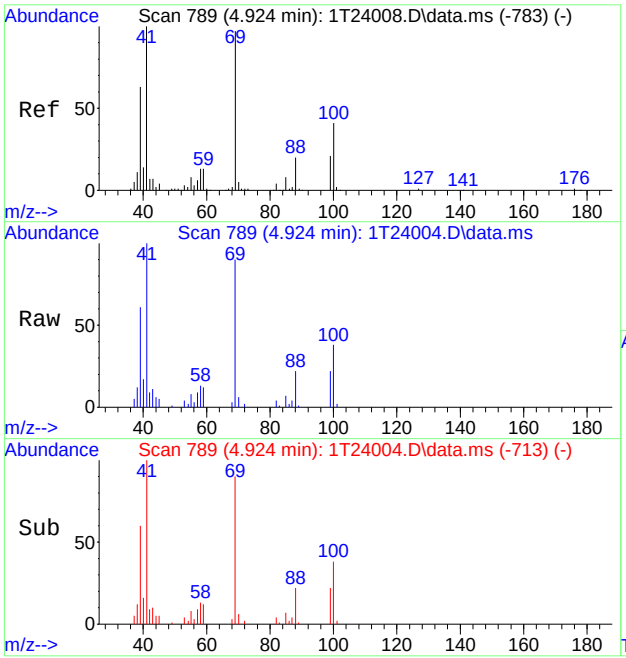


#62
2-chloroethyl vinyl ether
Concen: 42.70 ug/L
RT: 5.192 min Scan# 840
Delta R.T. 0.000 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 63 Resp: 69923

Ion	Ratio	Lower	Upper
63	100		
65	34.4	2.7	62.7
106	29.7	0.6	60.6

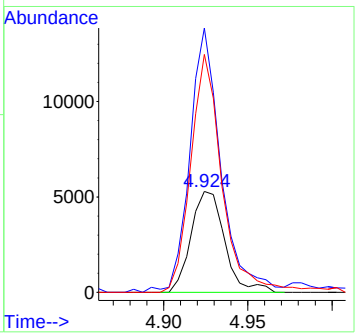


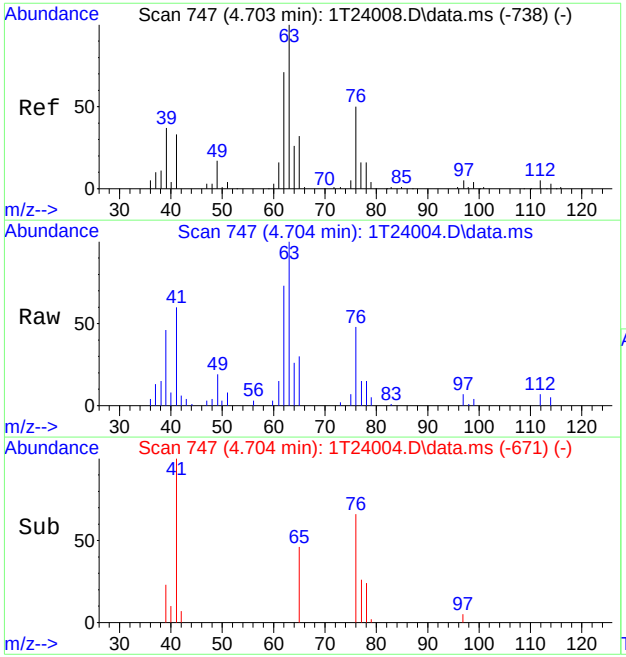


#63
methyl methacrylate
Concen: 9.06 ug/L
RT: 4.924 min Scan# 789
Delta R.T. 0.000 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion:100 Resp: 7351

Ion	Ratio	Lower	Upper
100	100		
41	258.8	214.5	274.5
69	235.5	207.6	267.6

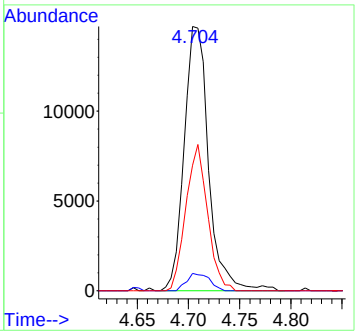


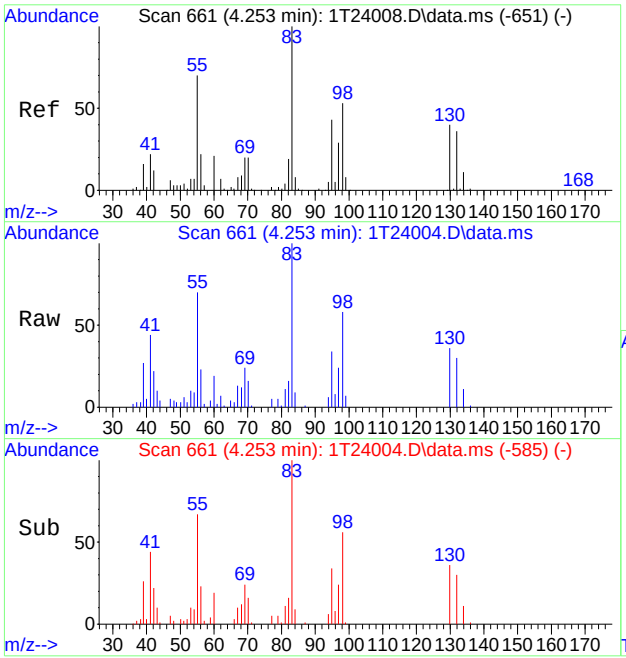


#64
1,2-dichloropropane
Concen: 8.47 ug/L
RT: 4.704 min Scan# 747
Delta R.T. 0.000 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 63 Resp: 24482

Ion	Ratio	Lower	Upper
63	100		
112	6.6	0.0	34.7
76	47.5	20.1	80.1

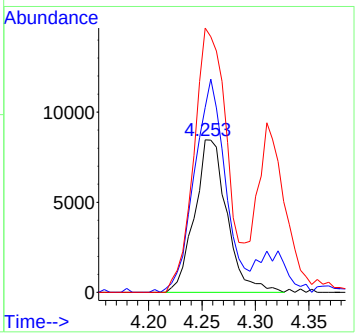


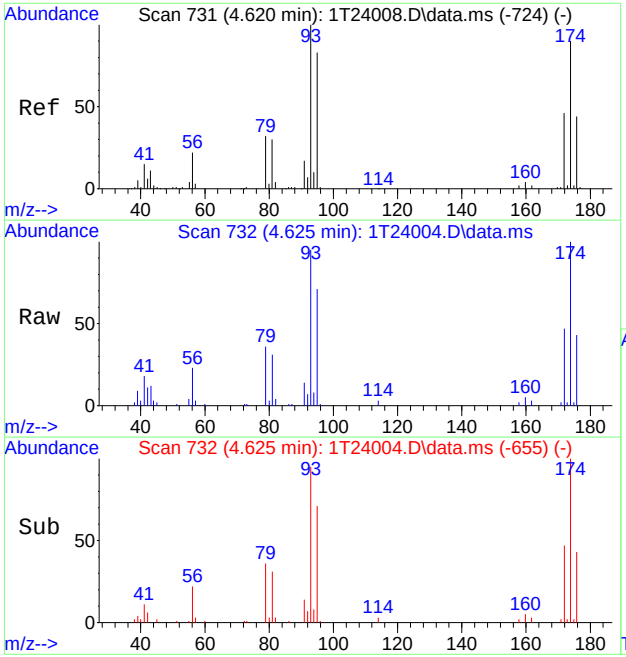


#65
methylcyclohexane
Concen: 9.14 ug/L
RT: 4.253 min Scan# 661
Delta R.T. 0.000 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 98 Resp: 17803

Ion	Ratio	Lower	Upper
98	100		
55	121.3	102.6	162.6
83	173.5	188.2	188.2#

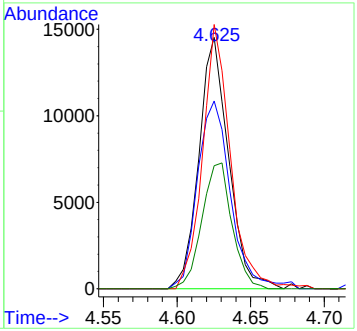


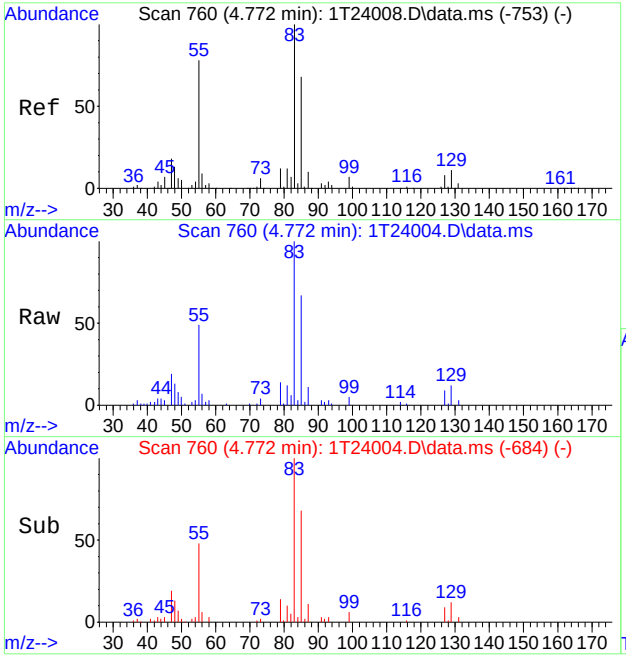


#66
dibromomethane
Concen: 7.85 ug/L
RT: 4.625 min Scan# 732
Delta R.T. 0.006 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 93 Resp: 20395

Ion	Ratio	Lower	Upper
93	100		
95	74.7	53.3	113.3
174	105.2	59.6	119.6
172	48.9	26.5	66.5

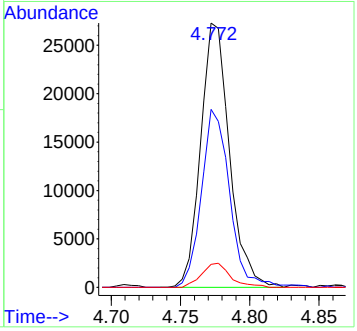


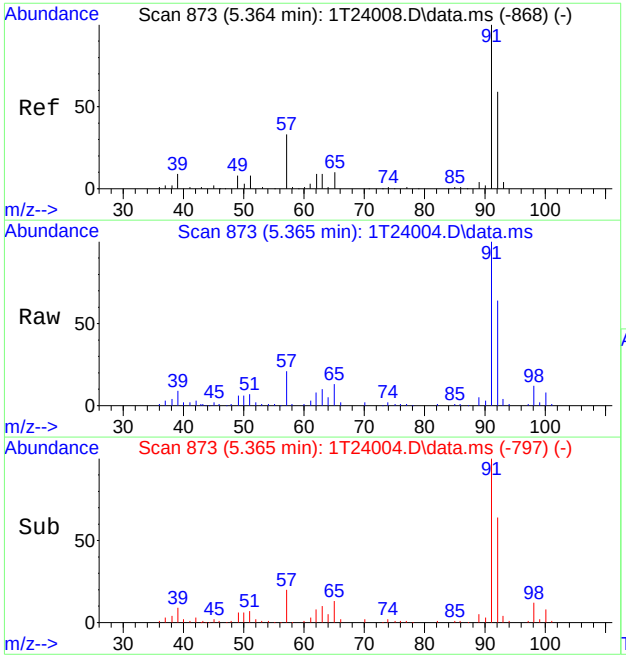


#67
bromodichloromethane
Concen: 8.56 ug/L
RT: 4.772 min Scan# 760
Delta R.T. 0.000 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 83 Resp: 39484

Ion	Ratio	Lower	Upper
83	100		
85	67.3	38.0	98.0
127	8.7	0.0	38.3

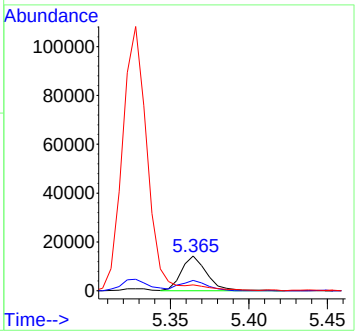


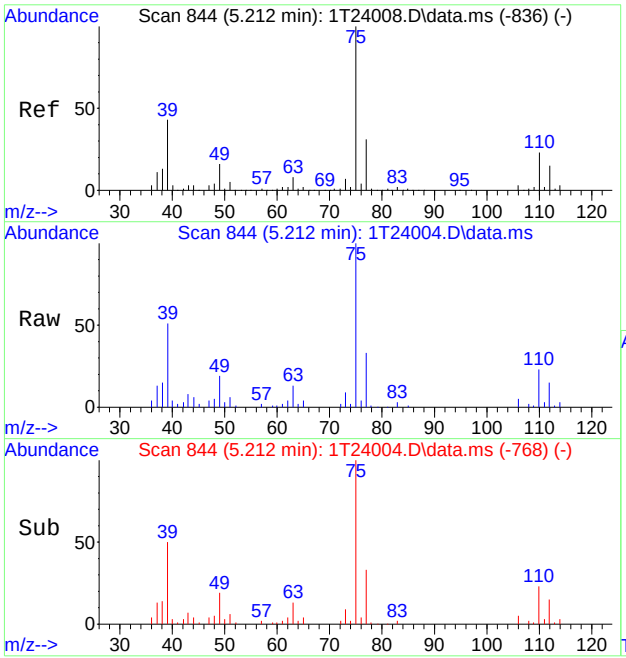


#68
epichlorohydrin
Concen: 37.61 ug/L
RT: 5.365 min Scan# 873
Delta R.T. 0.000 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 57 Resp: 15984

Ion	Ratio	Lower	Upper
57	100		
49	29.9	5.6	45.6
42	16.7	0.0	29.5

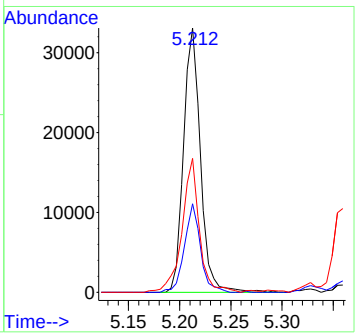


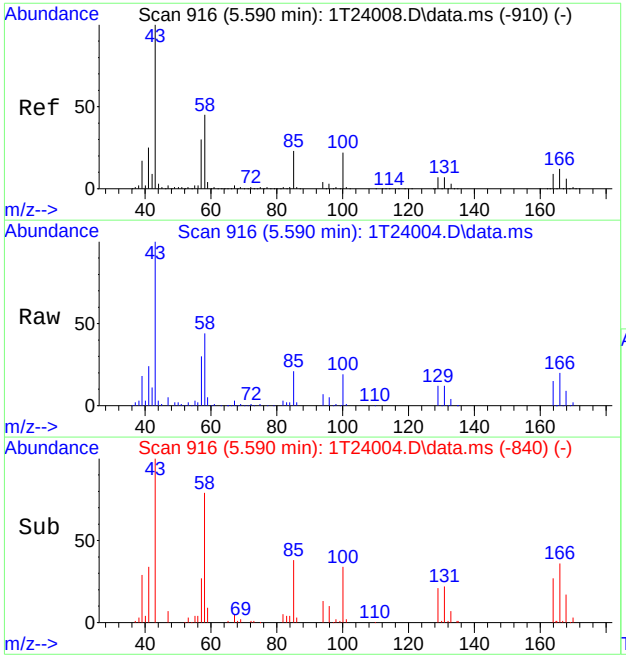


#69
cis-1,3-dichloropropene
Concen: 9.37 ug/L
RT: 5.212 min Scan# 844
Delta R.T. 0.000 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 75 Resp: 38068

Ion	Ratio	Lower	Upper
75	100		
77	33.5	1.4	61.4
39	50.1	13.3	73.3

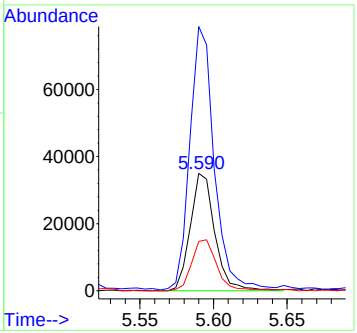


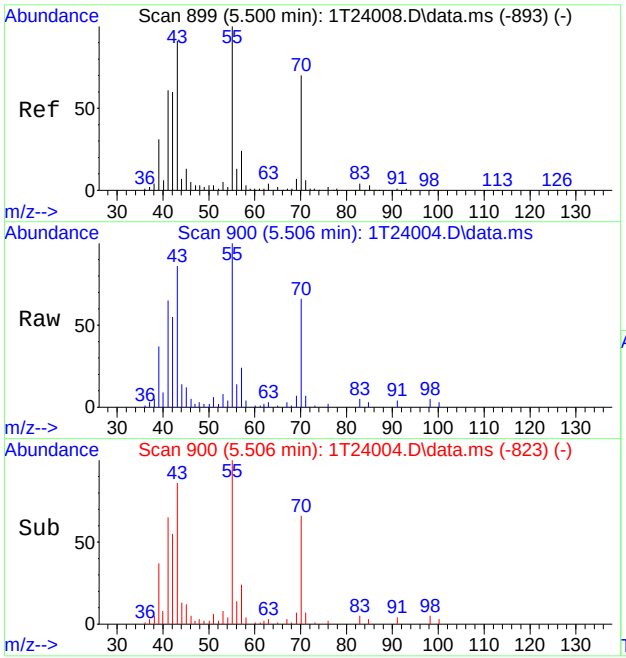


#70
4-methyl-2-pentanone
Concen: 32.56 ug/L
RT: 5.590 min Scan# 916
Delta R.T. 0.000 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 58 Resp: 40761

Ion	Ratio	Lower	Upper
58	100		
43	224.6	192.2	252.2
100	42.2	18.2	78.2

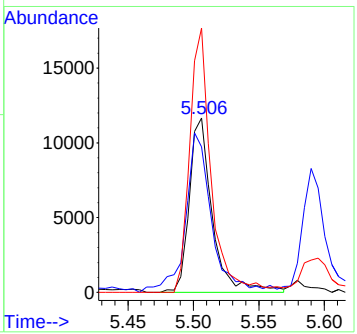


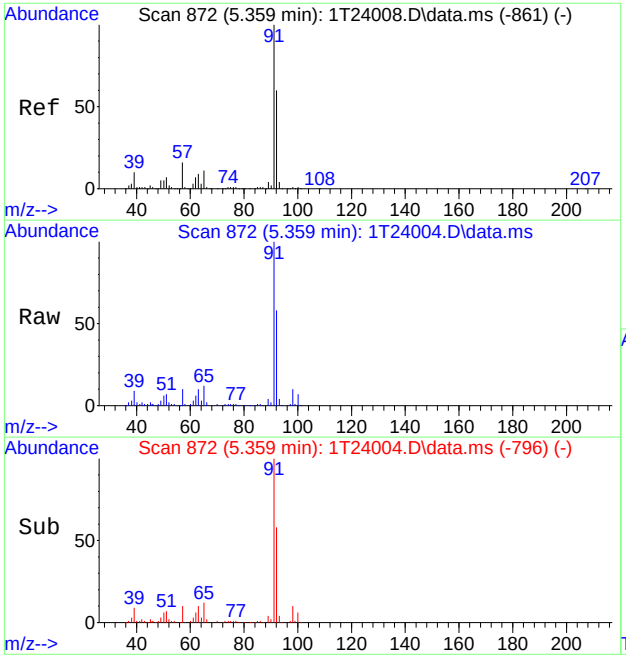


#71
3-methyl-1-butanol
Concen: 127.14 ug/L
RT: 5.506 min Scan# 900
Delta R.T. 0.006 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 70 Resp: 14269

Ion	Ratio	Lower	Upper
70	100		
42	80.1	54.9	114.9
55	151.7	112.0	172.0

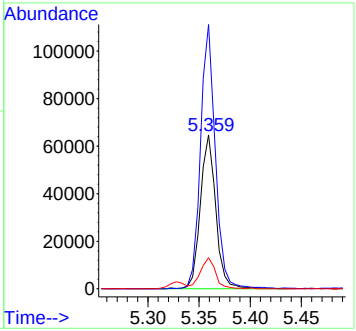


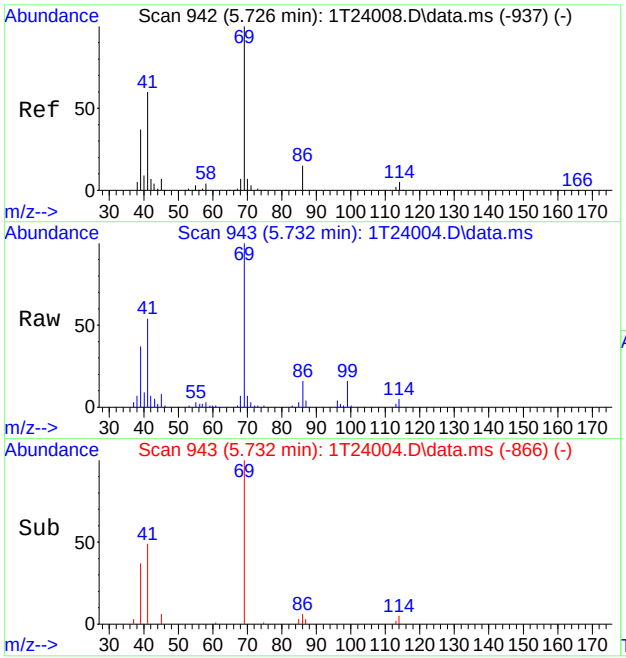


#74
toluene
Concen: 8.58 ug/L
RT: 5.359 min Scan# 872
Delta R.T. 0.000 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 92 Resp: 68528

Ion	Ratio	Lower	Upper
92	100		
91	171.8	147.9	187.9
65	20.3	0.0	38.0

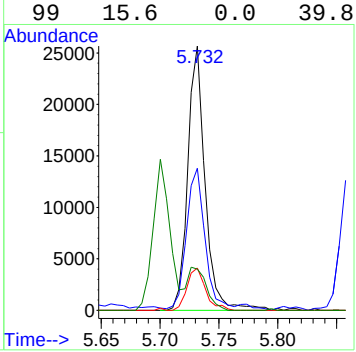


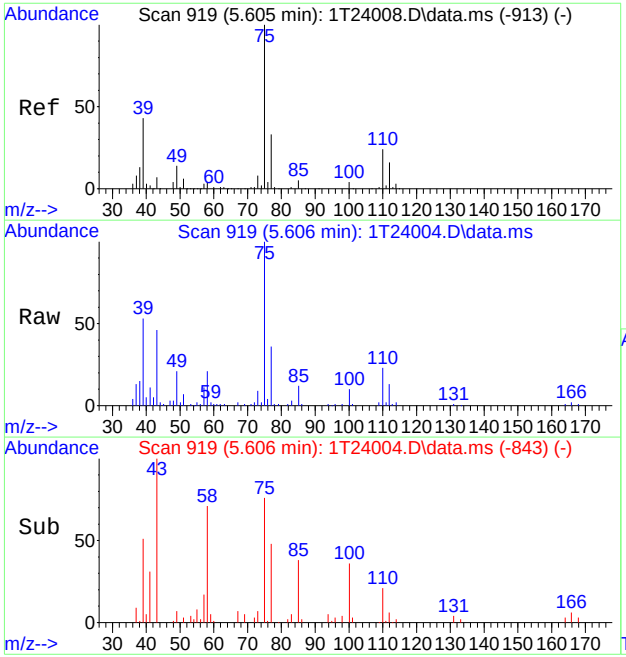


#75
ethyl methacrylate
Concen: 8.14 ug/L
RT: 5.732 min Scan# 943
Delta R.T. 0.006 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 69 Resp: 26416

Ion	Ratio	Lower	Upper
69	100		
41	52.8	40.2	80.2
86	16.0	0.0	35.4
99	15.6	0.0	39.8

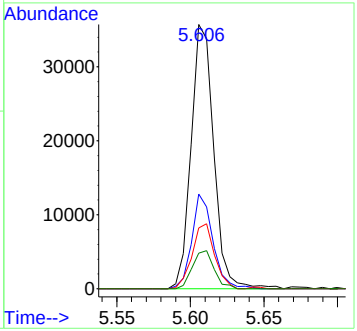


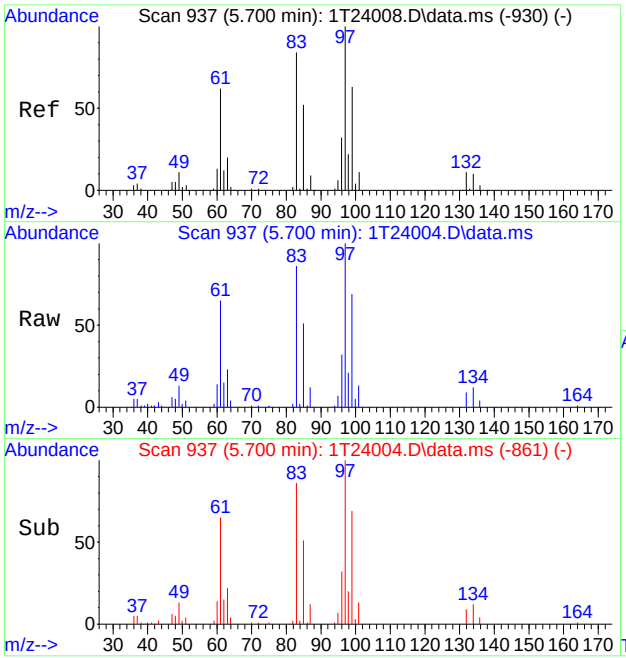


#76
trans-1,3-dichloropropene
Concen: 8.64 ug/L
RT: 5.606 min Scan# 919
Delta R.T. 0.000 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 75 Resp: 38201

Ion	Ratio	Lower	Upper
75	100		
77	35.9	12.7	52.7
110	23.0	4.1	44.1
112	13.4	0.0	35.6

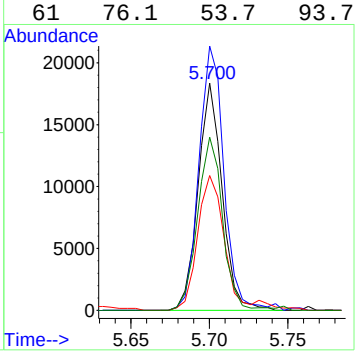


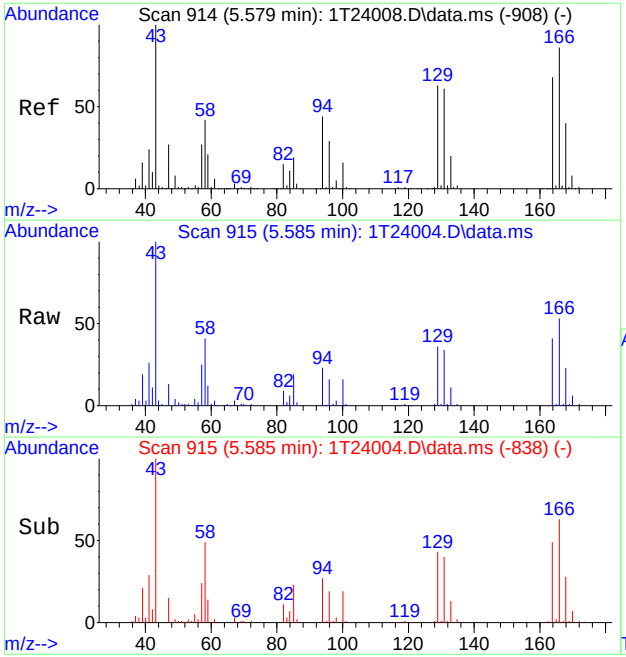


#77
1,1,2-trichloroethane
Concen: 8.58 ug/L
RT: 5.700 min Scan# 937
Delta R.T. 0.000 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 83 Resp: 19611

Ion	Ratio	Lower	Upper
83	100		
97	116.3	98.8	138.8
85	59.3	41.6	81.6
61	76.1	53.7	93.7

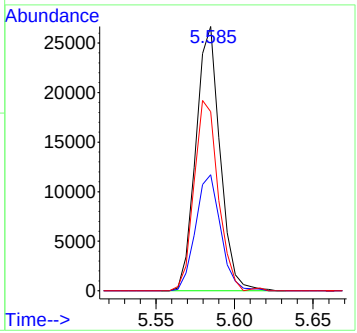


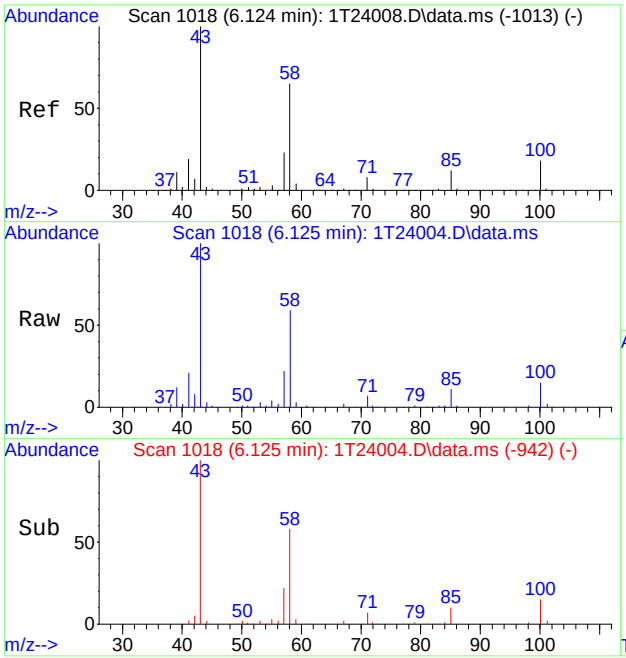


#78
tetrachloroethene
Concen: 8.74 ug/L
RT: 5.585 min Scan# 915
Delta R.T. 0.006 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion:166 Resp: 28660

Ion	Ratio	Lower	Upper
166	100		
168	43.9	16.8	76.8
129	67.8	43.9	103.9

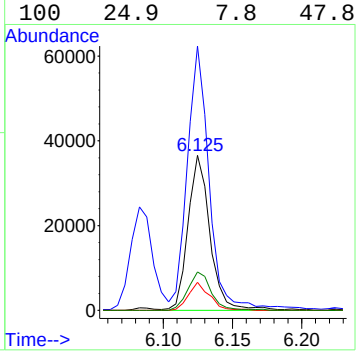


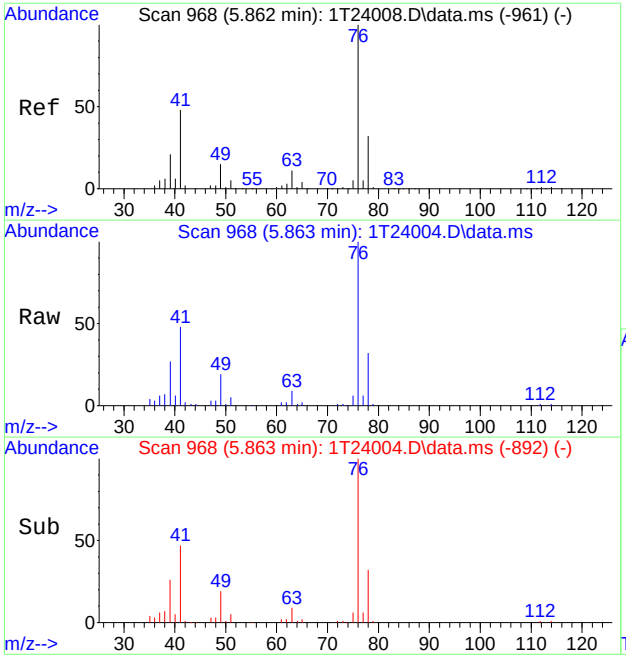


#79
2-hexanone
Concen: 35.22 ug/L
RT: 6.125 min Scan# 1018
Delta R.T. 0.000 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 58 Resp: 40424

Ion	Ratio	Lower	Upper
58	100		
43	169.4	139.1	179.1
85	18.3	0.0	38.1
100	24.9	7.8	47.8

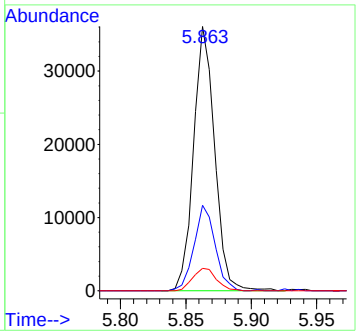


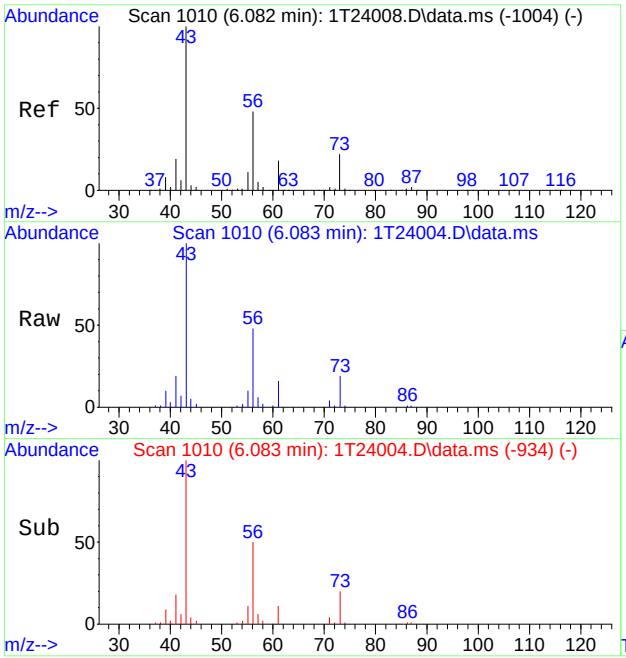


#80
1,3-dichloropropane
Concen: 8.63 ug/L
RT: 5.863 min Scan# 968
Delta R.T. 0.000 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 76 Resp: 40517

Ion	Ratio	Lower	Upper
76	100		
78	32.4	2.1	62.1
63	8.5	0.0	40.7

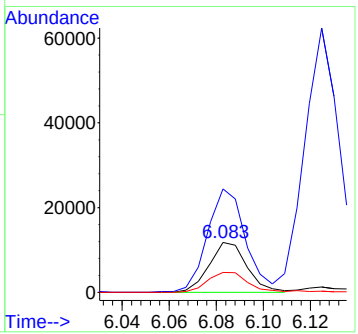


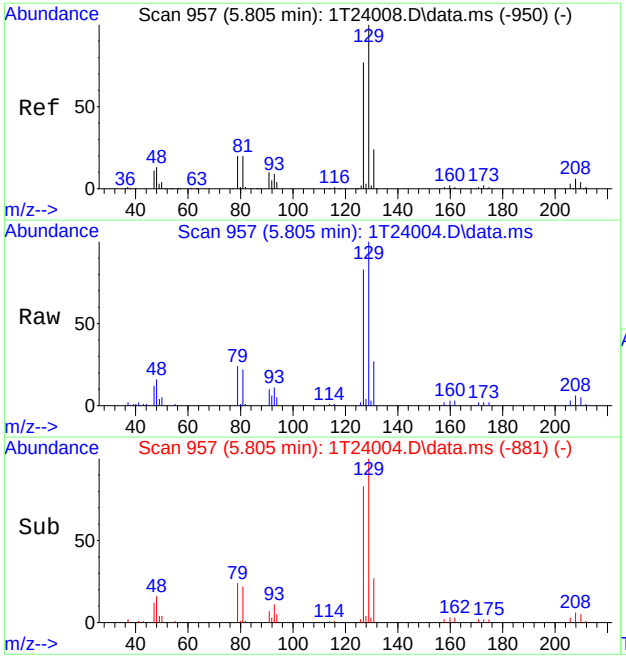


#81
butyl acetate
Concen: 8.58 ug/L
RT: 6.083 min Scan# 1010
Delta R.T. 0.000 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 56 Resp: 13207

Ion	Ratio	Lower	Upper
56	100		
43	205.3	177.8	237.8
73	39.7	16.2	76.2

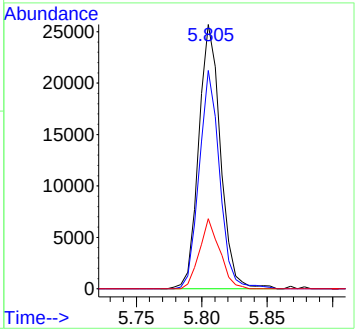


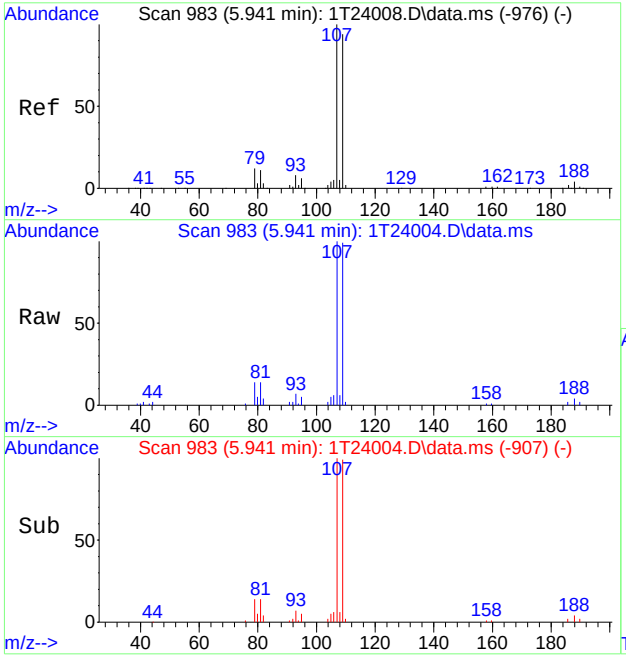


#82
dibromochloromethane
Concen: 8.59 ug/L
RT: 5.805 min Scan# 957
Delta R.T. 0.000 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion:129 Resp: 29841

Ion	Ratio	Lower	Upper
129	100		
127	82.5	47.5	107.5
131	26.6	0.0	54.1

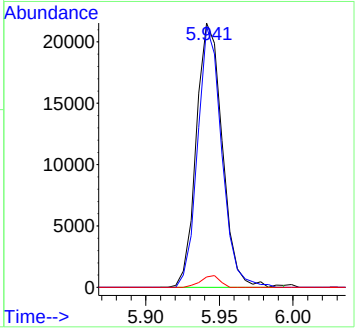


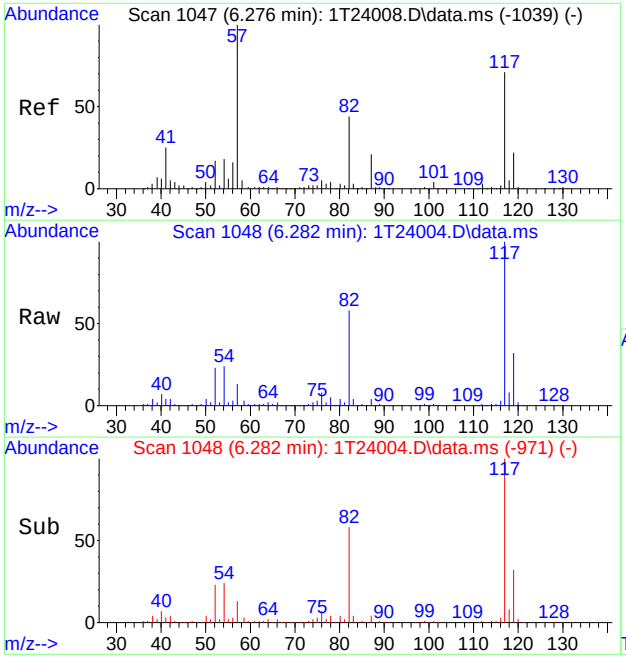


#83
1,2-dibromoethane
Concen: 8.75 ug/L
RT: 5.941 min Scan# 983
Delta R.T. 0.000 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion:107 Resp: 26401

Ion	Ratio	Lower	Upper
107	100		
109	98.7	64.0	124.0
188	3.9	0.0	33.9

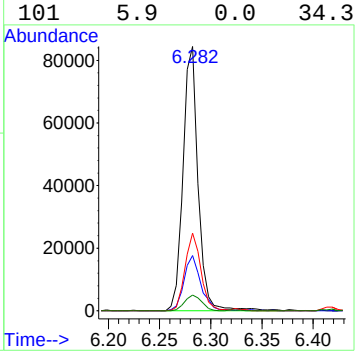


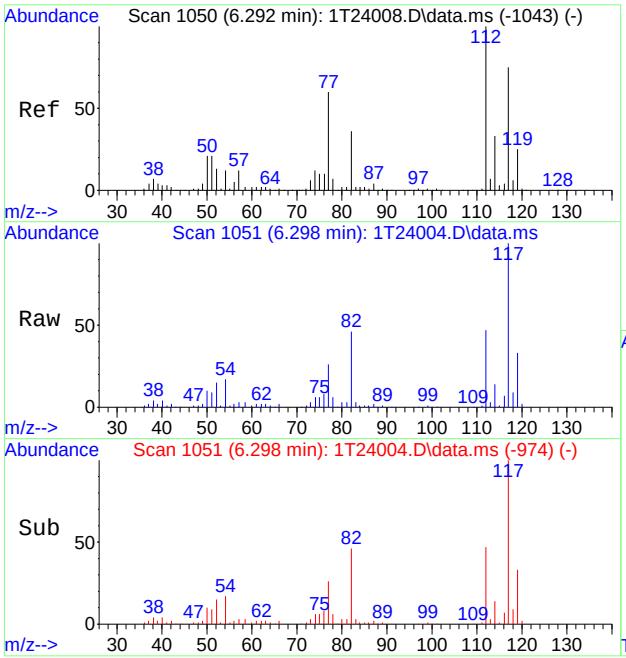


#84
n-butyl ether
Concen: 8.87 ug/L
RT: 6.282 min Scan# 1048
Delta R.T. 0.006 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 57 Resp: 86547

Ion	Ratio	Lower	Upper
57	100		
56	20.9	0.0	46.4
87	29.4	0.0	51.4
101	5.9	0.0	34.3

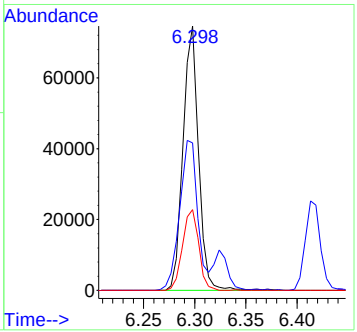


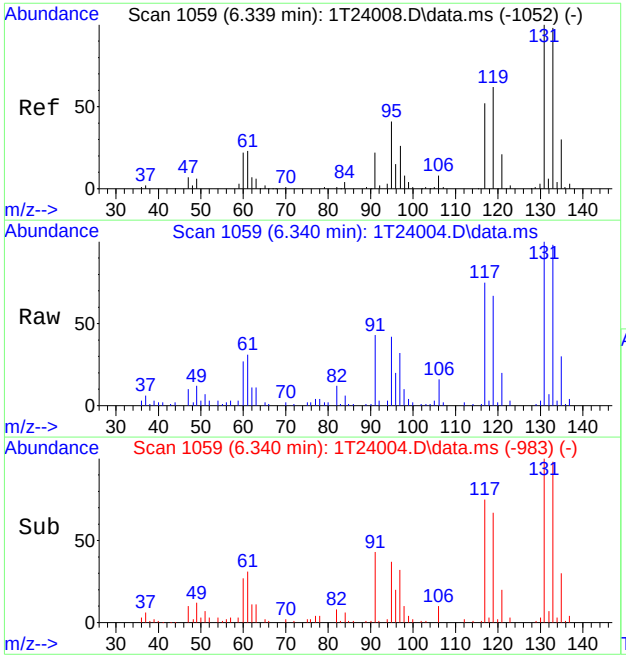


#85
chlorobenzene
Concen: 8.44 ug/L
RT: 6.298 min Scan# 1051
Delta R.T. 0.006 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion:112 Resp: 78676

Ion	Ratio	Lower	Upper
112	100		
77	55.8	29.6	89.6
114	30.5	3.1	63.1

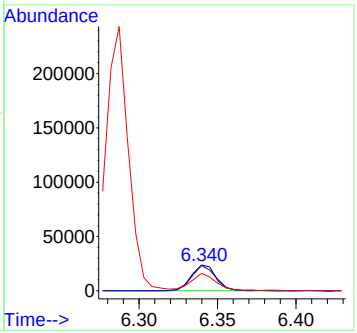


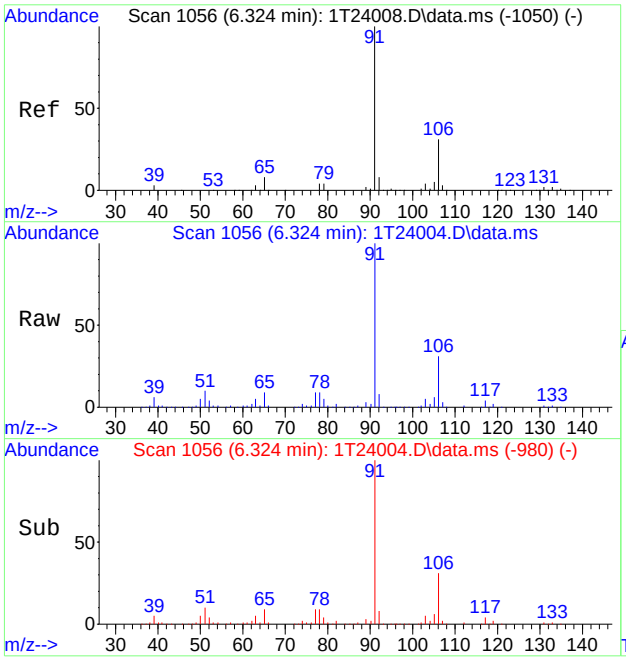


#86
1,1,1,2-tetrachloroethane
Concen: 8.35 ug/L
RT: 6.340 min Scan# 1059
Delta R.T. 0.000 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion:131 Resp: 26021

Ion	Ratio	Lower	Upper
131	100		
133	98.1	67.5	127.5
119	65.6	36.1	96.1

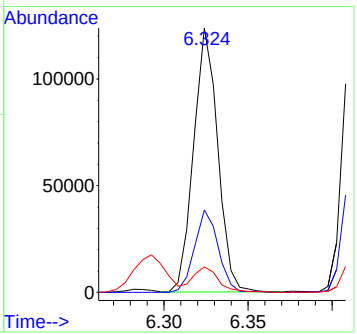


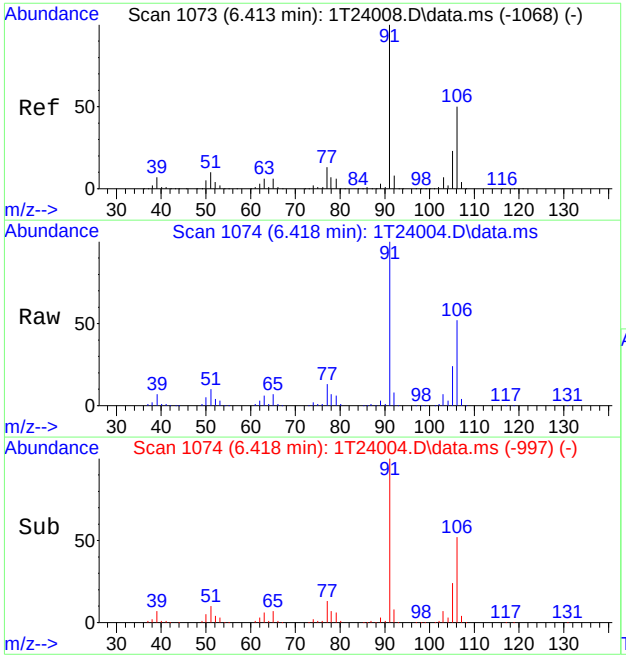


#87
ethylbenzene
Concen: 8.36 ug/L
RT: 6.324 min Scan# 1056
Delta R.T. 0.000 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 91 Resp: 123243

Ion	Ratio	Lower	Upper
91	100		
106	31.2	1.3	61.3
51	9.7	0.0	39.0

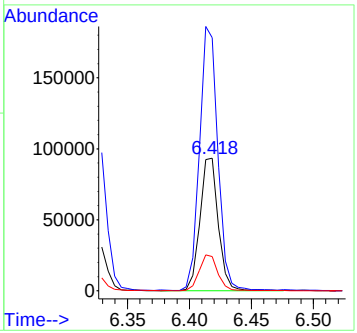


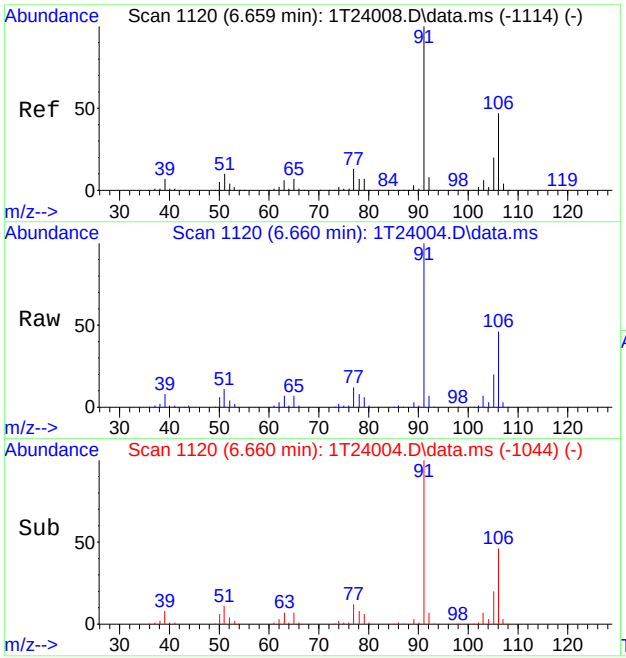


#88
m,p-xylene
Concen: 17.48 ug/L
RT: 6.418 min Scan# 1074
Delta R.T. 0.006 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion:106 Resp: 96741

Ion	Ratio	Lower	Upper
106	100		
91	190.4	169.8	229.8
77	25.8	6.7	46.7

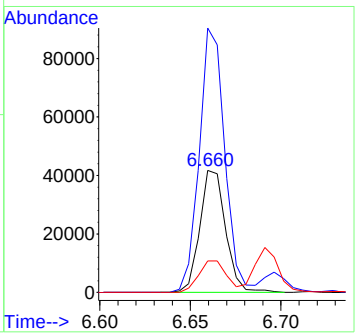


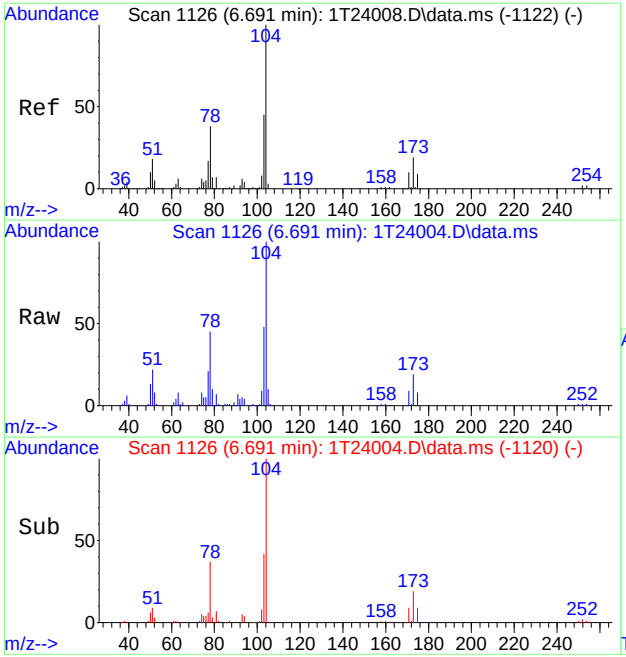


#89
o-xylene
Concen: 8.01 ug/L
RT: 6.660 min Scan# 1120
Delta R.T. 0.000 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion:106 Resp: 41264

Ion	Ratio	Lower	Upper
106	100		
91	216.6	181.7	241.7
77	25.7	6.5	46.5

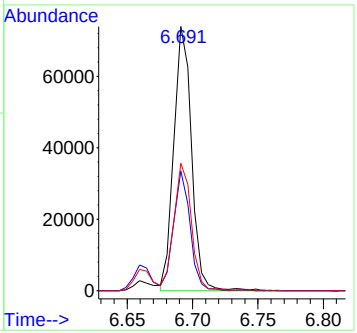


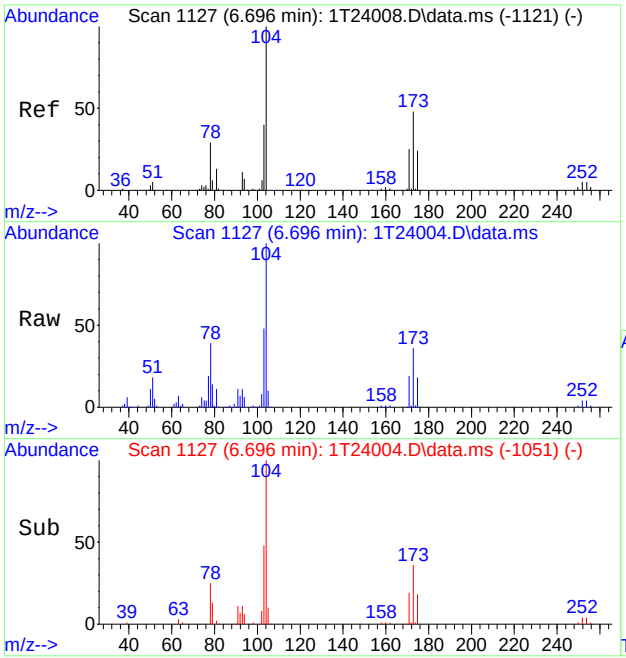


#90
styrene
Concen: 8.90 ug/L
RT: 6.691 min Scan# 1126
Delta R.T. 0.000 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion:104 Resp: 69958

Ion	Ratio	Lower	Upper
104	100		
78	45.4	9.6	69.6
103	48.3	16.5	76.5

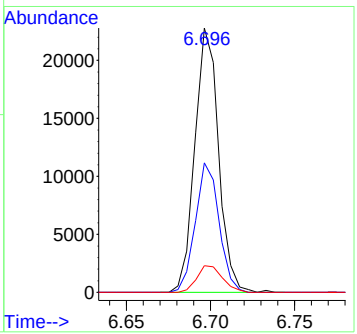


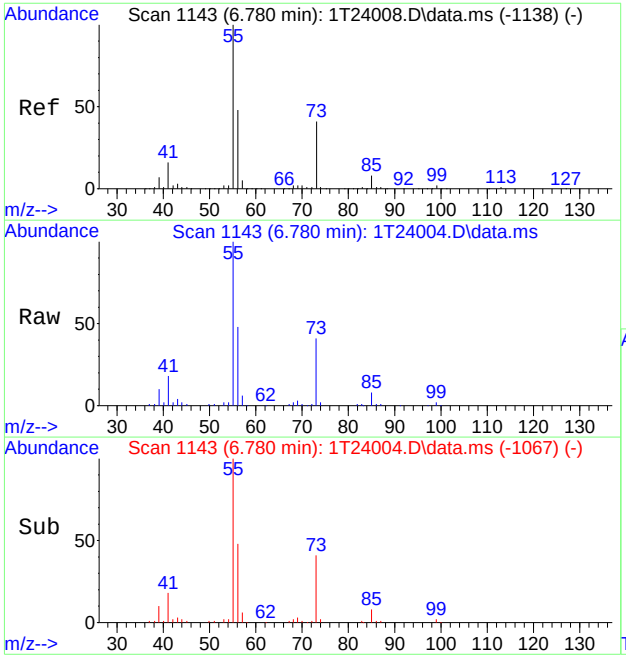


#91
bromoform
Concen: 8.24 ug/L
RT: 6.696 min Scan# 1127
Delta R.T. 0.000 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion:173 Resp: 22379

Ion	Ratio	Lower	Upper
173	100		
175	48.9	19.5	79.5
254	10.1	0.0	40.4

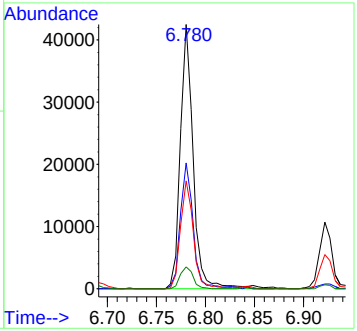


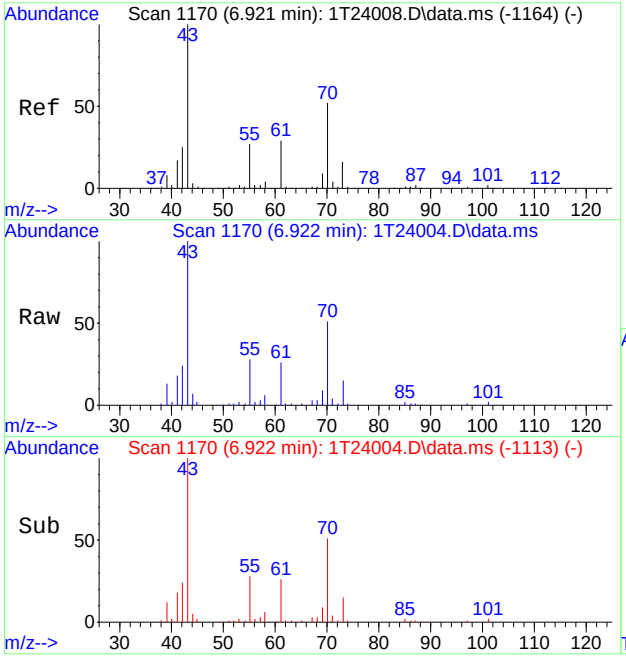


#92
butyl acrylate
Concen: 8.46 ug/L
RT: 6.780 min Scan# 1143
Delta R.T. 0.000 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 55 Resp: 38943

Ion	Ratio	Lower	Upper
55	100		
56	47.6	18.5	78.5
73	40.8	10.6	70.6
85	8.3	0.0	38.0

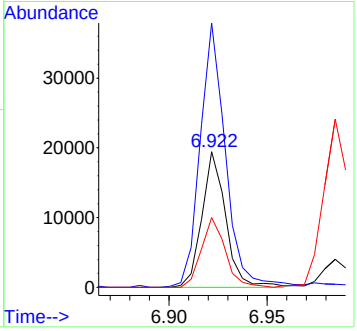


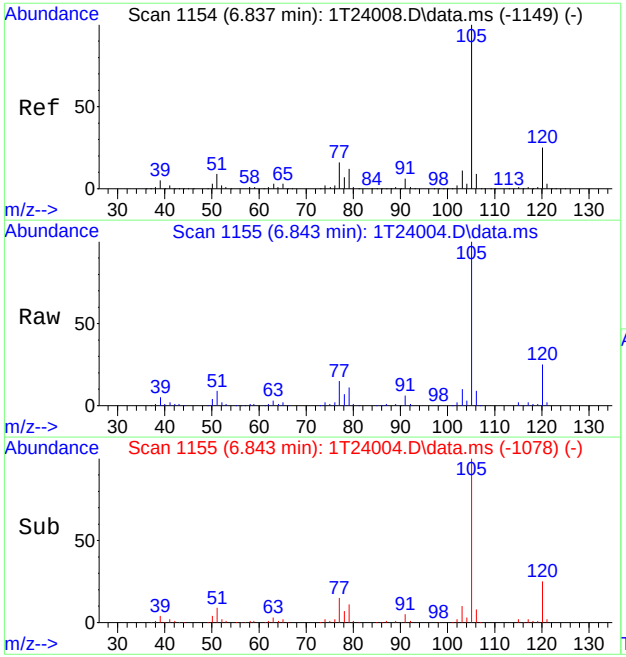


#93
n-amyl acetate
Concen: 8.55 ug/L
RT: 6.922 min Scan# 1170
Delta R.T. 0.000 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 70 Resp: 16507

Ion	Ratio	Lower	Upper
70	100		
43	194.9	171.9	211.9
61	51.5	35.4	75.4

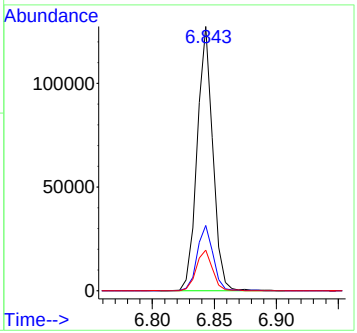


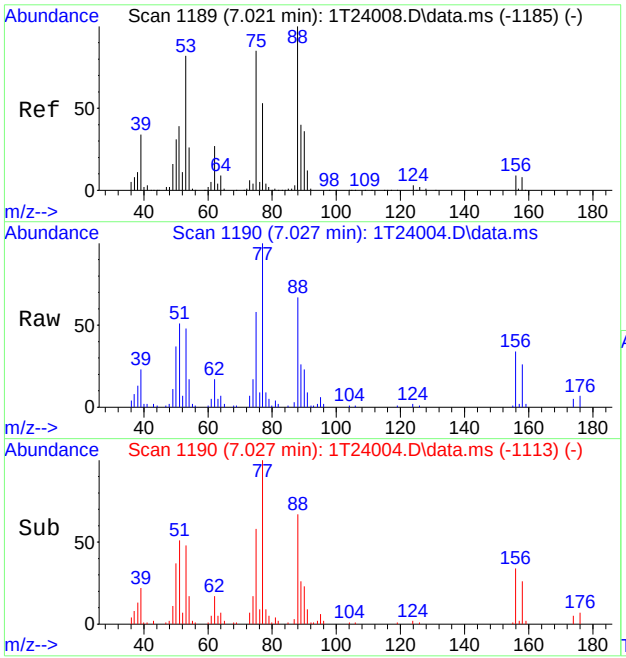


#94
isopropylbenzene
Concen: 8.76 ug/L
RT: 6.843 min Scan# 1155
Delta R.T. 0.006 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion:105 Resp: 112244

Ion	Ratio	Lower	Upper
105	100		
120	24.8	5.3	45.3
77	15.4	0.0	36.1

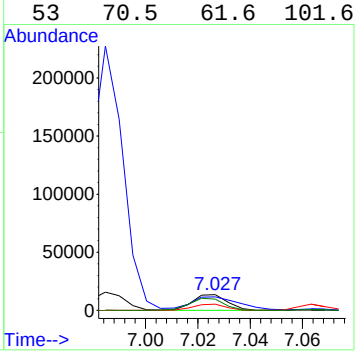


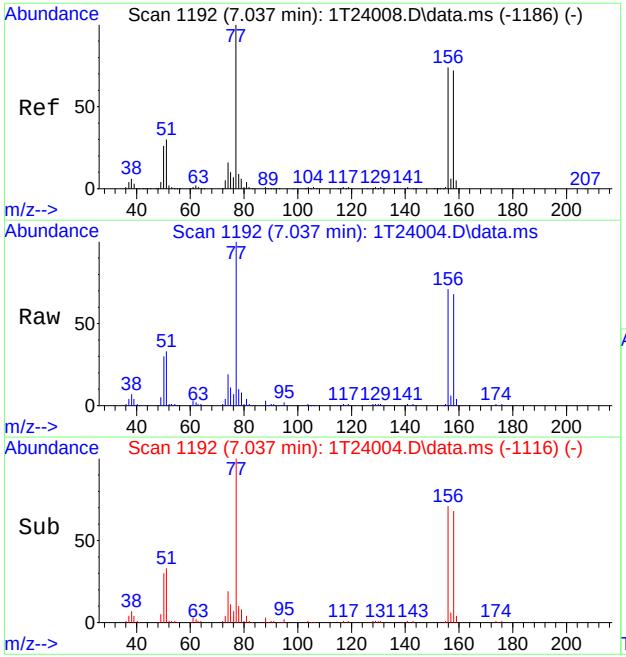


#95
cis-1,4-dichloro-2-butene
Concen: 8.25 ug/L
RT: 7.027 min Scan# 1190
Delta R.T. 0.006 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 88 Resp: 12871

Ion	Ratio	Lower	Upper
88	100		
75	82.2	67.1	107.1
89	38.9	19.7	59.7
53	70.5	61.6	101.6

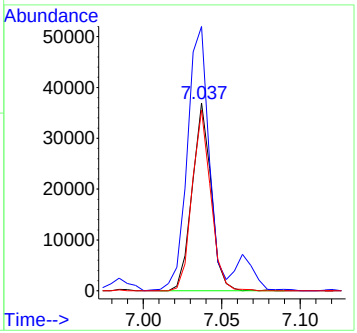


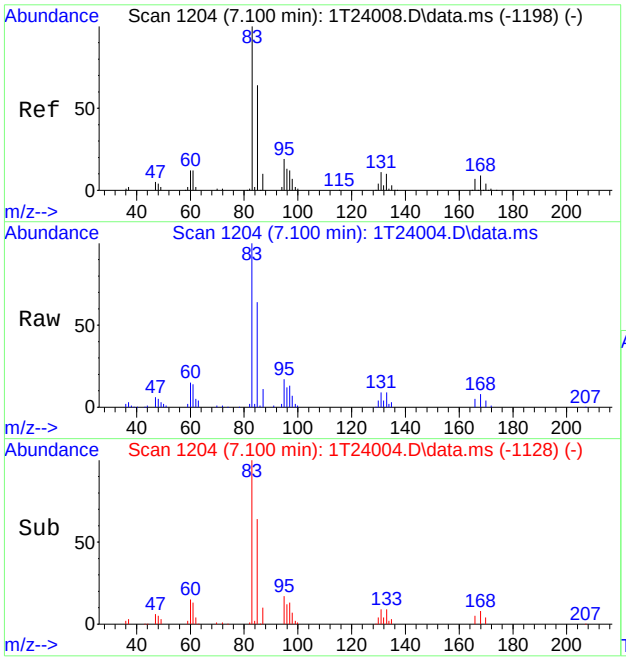


#98
bromobenzene
Concen: 8.01 ug/L
RT: 7.037 min Scan# 1192
Delta R.T. 0.000 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion:156 Resp: 31041

Ion	Ratio	Lower	Upper
156	100		
77	140.2	104.6	164.6
158	96.4	67.1	127.1

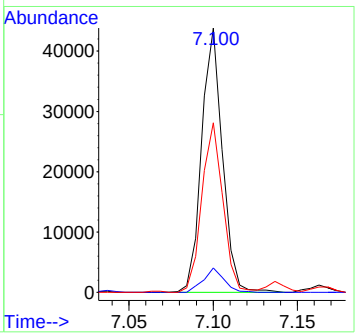


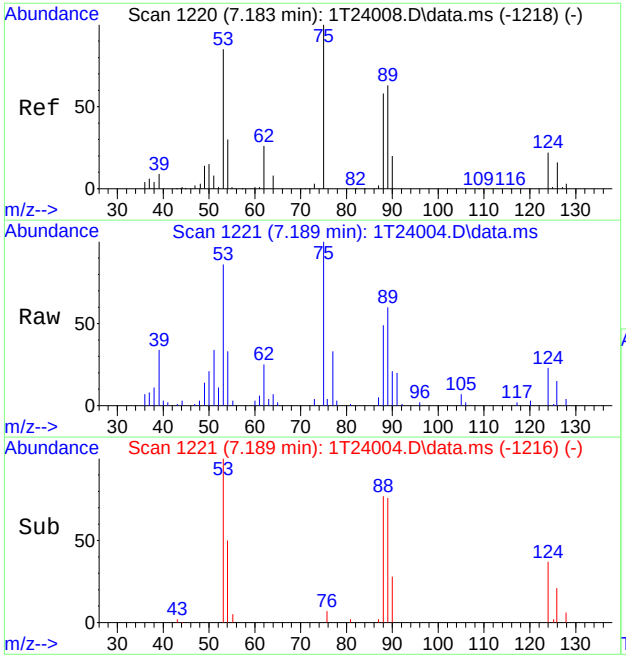


#99
1,1,2,2-tetrachloroethane
Concen: 7.87 ug/L
RT: 7.100 min Scan# 1204
Delta R.T. 0.000 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 83 Resp: 37773

Ion	Ratio	Lower	Upper
83	100		
131	9.3	0.0	40.9
85	63.7	34.4	94.4

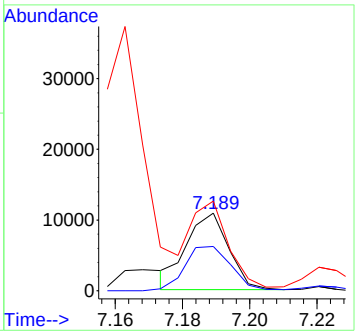


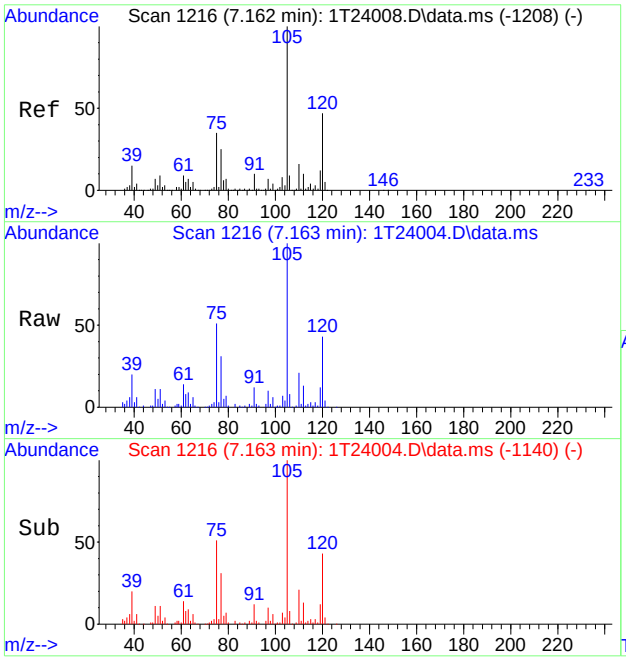


#100
trans-1,4-dichloro-2-butene
Concen: 7.85 ug/L
RT: 7.189 min Scan# 1221
Delta R.T. 0.006 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 53 Resp: 9445

Ion	Ratio	Lower	Upper
53	100		
88	56.4	29.6	89.6
75	112.5	97.1	157.1

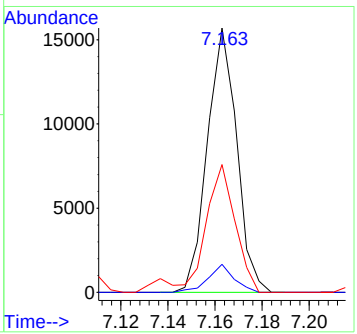


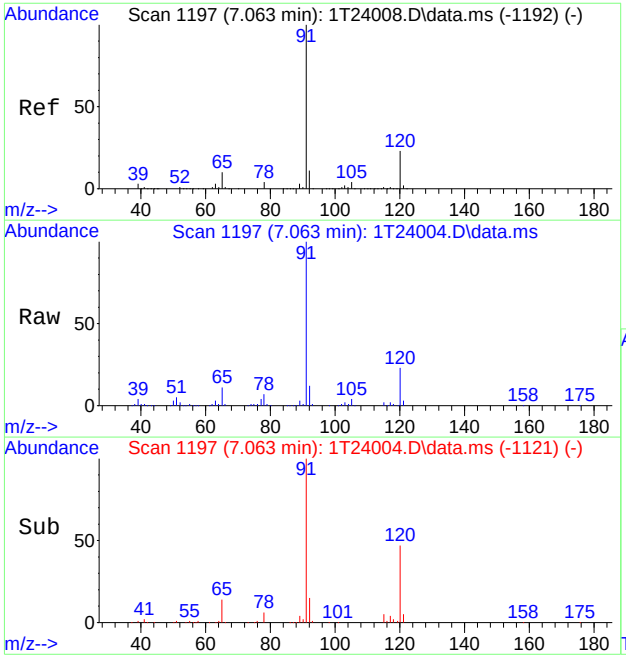


#101
1,2,3-trichloropropane
Concen: 8.01 ug/L
RT: 7.163 min Scan# 1216
Delta R.T. 0.000 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion:110 Resp: 13640

Ion	Ratio	Lower	Upper
110	100		
111	10.6	0.0	39.0
97	48.4	15.1	75.1

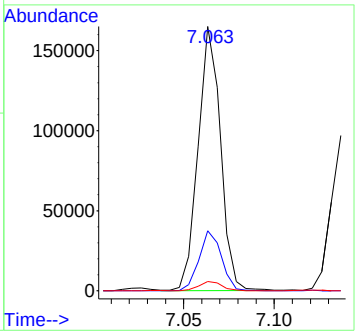


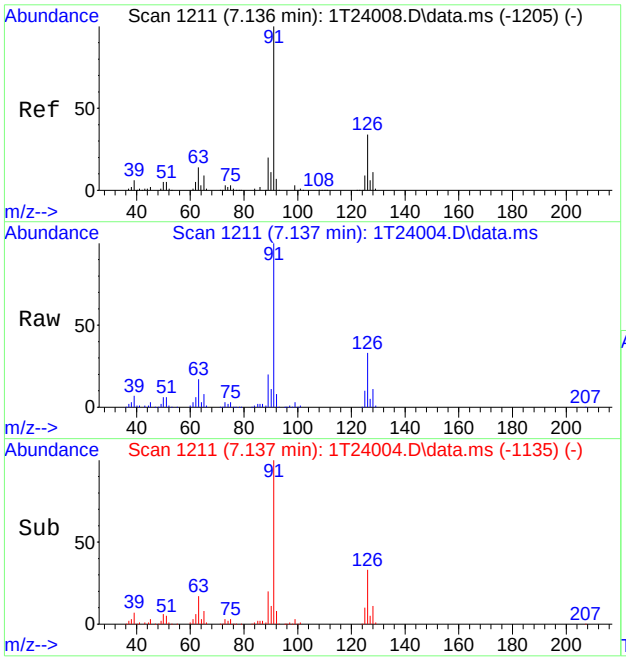


#102
n-propylbenzene
Concen: 8.59 ug/L
RT: 7.063 min Scan# 1197
Delta R.T. 0.000 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 91 Resp: 141663

Ion	Ratio	Lower	Upper
91	100		
120	22.8	0.0	53.1
105	3.5	0.0	33.9

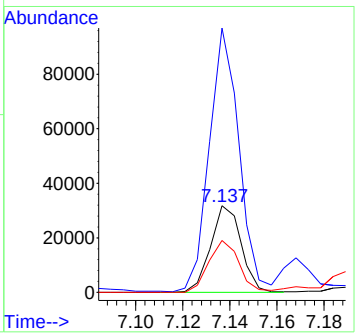


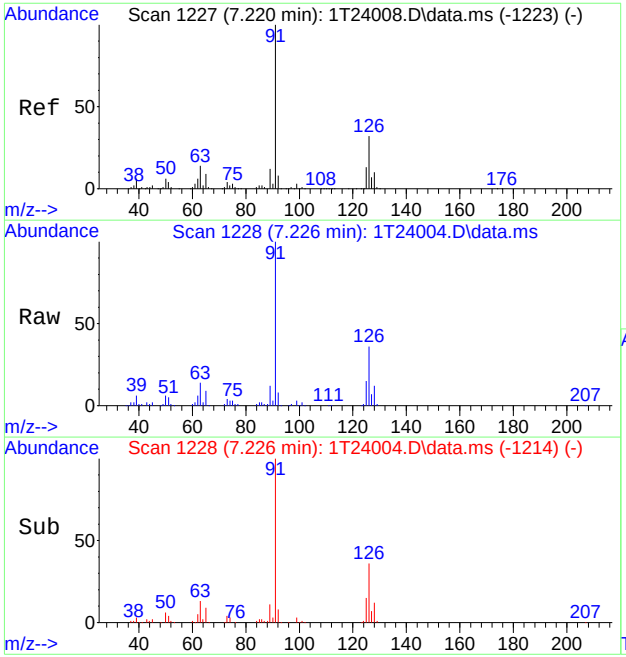


#103
2-chlorotoluene
Concen: 8.57 ug/L
RT: 7.137 min Scan# 1211
Delta R.T. 0.000 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion:126 Resp: 28750

Ion	Ratio	Lower	Upper
126	100		
91	303.5	263.0	323.0
89	59.8	27.6	87.6

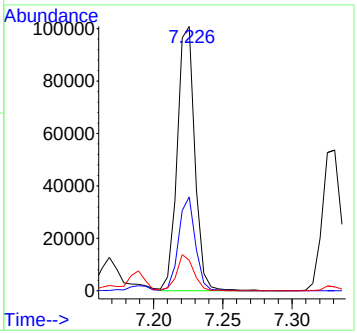


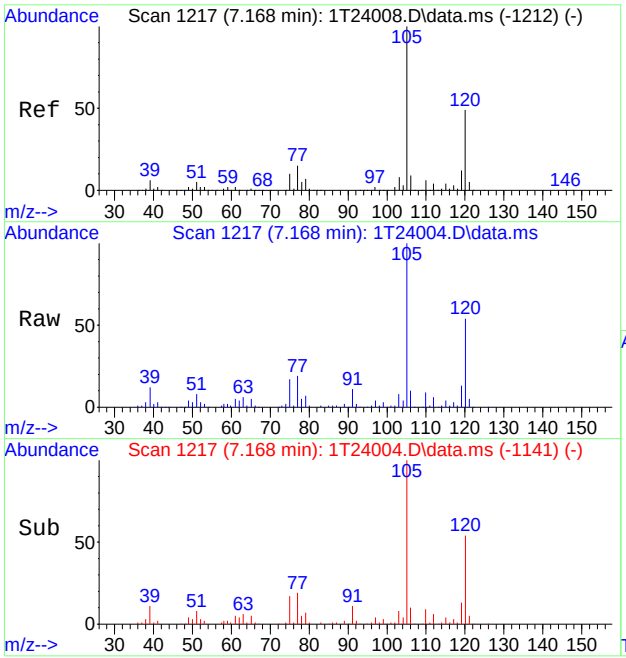


#104
4-chlorotoluene
Concen: 8.57 ug/L
RT: 7.226 min Scan# 1228
Delta R.T. 0.006 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion: 91 Resp: 89869

Ion	Ratio	Lower	Upper
91	100		
126	35.6	2.2	62.2
89	11.6	0.0	42.5

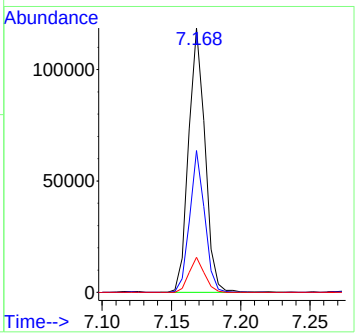


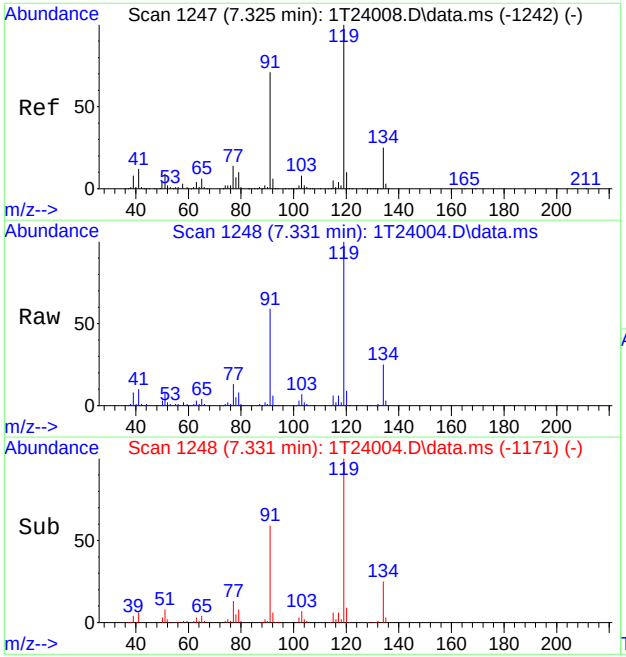


#105
1,3,5-trimethylbenzene
Concen: 8.96 ug/L
RT: 7.168 min Scan# 1217
Delta R.T. 0.000 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion:105 Resp: 98038

Ion	Ratio	Lower	Upper
105	100		
120	53.6	19.0	79.0
119	13.3	0.0	42.2

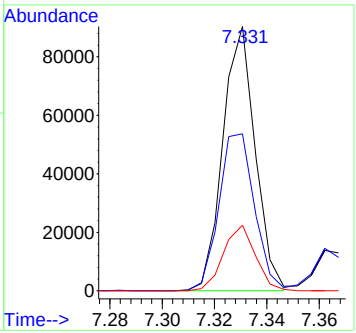


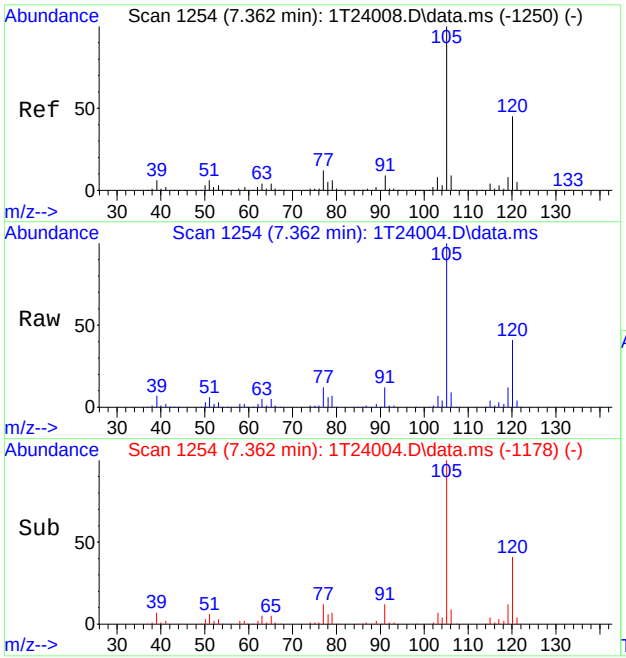


#106
tert-butylbenzene
Concen: 9.07 ug/L
RT: 7.331 min Scan# 1248
Delta R.T. 0.006 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion:119 Resp: 77669

Ion	Ratio	Lower	Upper
119	100		
91	59.4	40.9	100.9
134	24.9	0.0	54.5

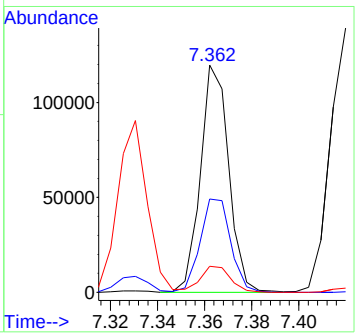


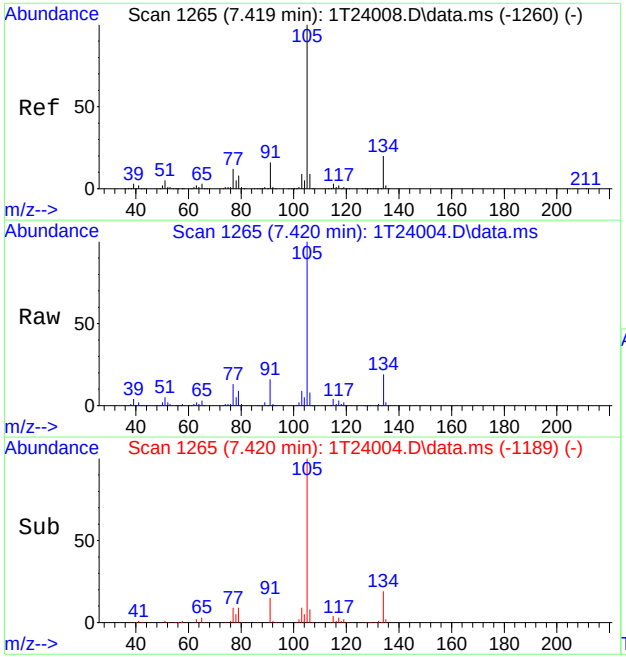


#107
1,2,4-trimethylbenzene
Concen: 9.16 ug/L
RT: 7.362 min Scan# 1254
Delta R.T. 0.000 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion:105 Resp: 100097

Ion	Ratio	Lower	Upper
105	100		
120	41.1	15.8	75.8
119	11.6	0.0	42.2

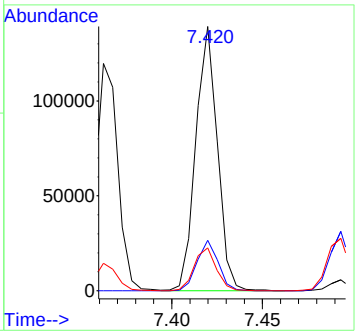


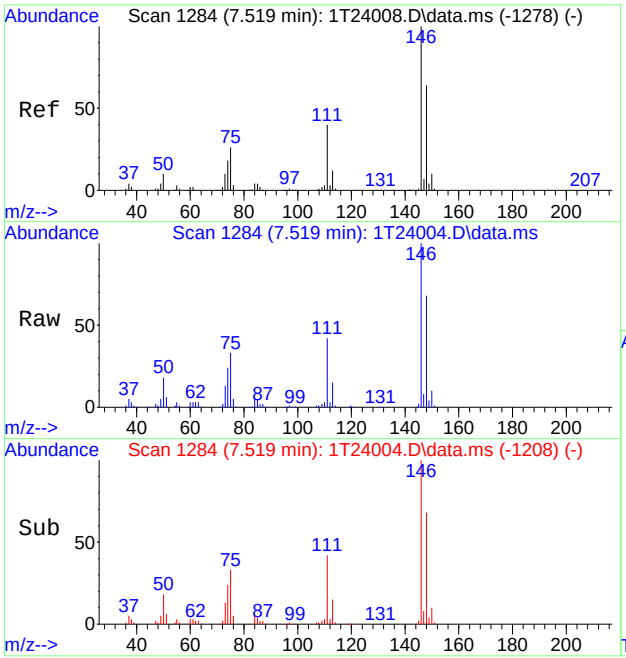


#108
sec-butylbenzene
Concen: 9.47 ug/L
RT: 7.420 min Scan# 1265
Delta R.T. 0.000 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion:105 Resp: 115486

Ion	Ratio	Lower	Upper
105	100		
134	19.1	0.0	50.4
91	16.3	0.0	45.8

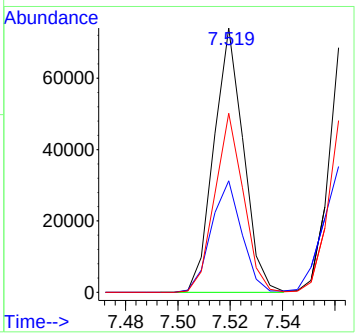


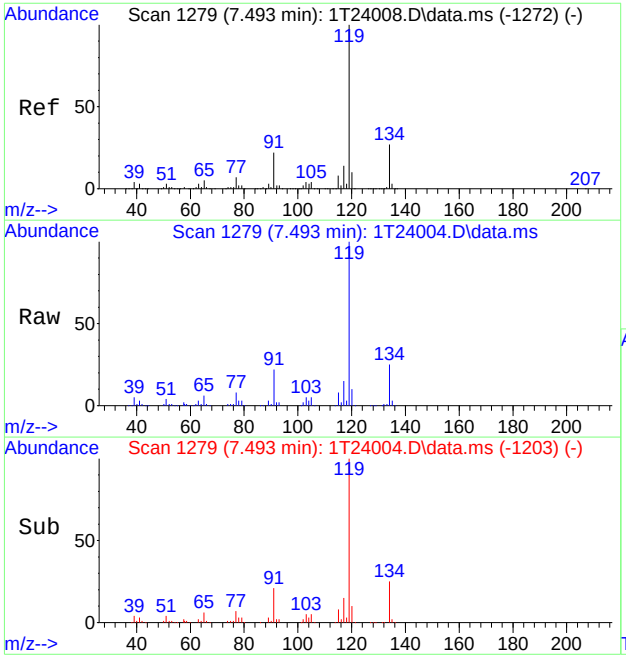


#109
1,3-dichlorobenzene
Concen: 8.21 ug/L
RT: 7.519 min Scan# 1284
Delta R.T. 0.000 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion:146 Resp: 58147

Ion	Ratio	Lower	Upper
146	100		
111	42.2	9.6	69.6
148	67.8	33.7	93.7

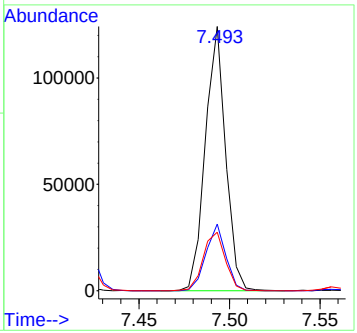


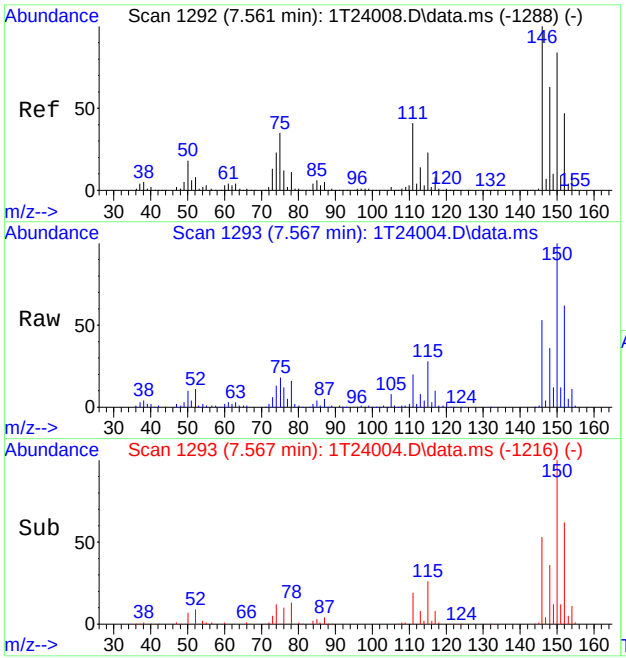


#110
p-isopropyltoluene
Concen: 9.36 ug/L
RT: 7.493 min Scan# 1279
Delta R.T. 0.000 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion:119 Resp: 96889

Ion	Ratio	Lower	Upper
119	100		
134	25.3	0.0	56.8
91	22.2	0.0	52.2

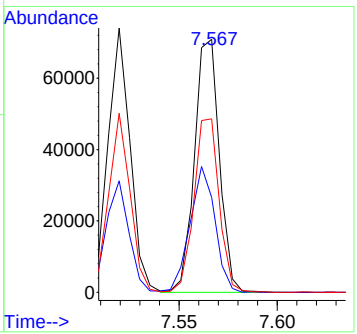


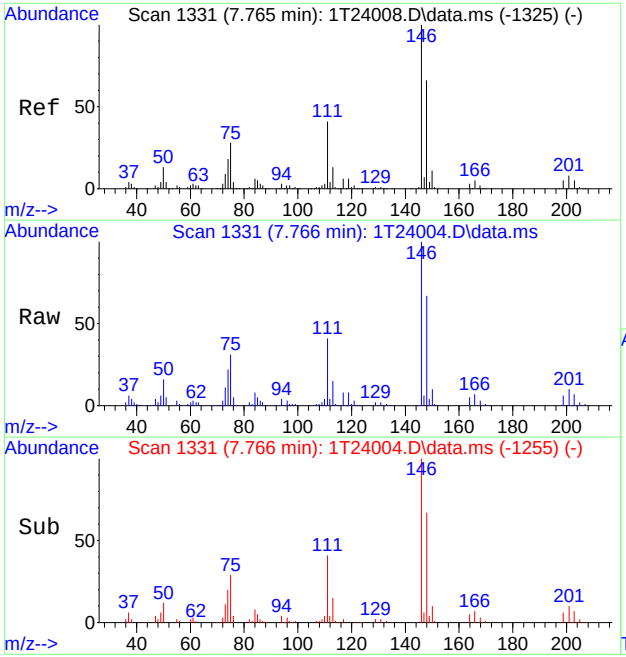


#111
1,4-dichlorobenzene
Concen: 8.08 ug/L
RT: 7.567 min Scan# 1293
Delta R.T. 0.006 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion:146 Resp: 62704

Ion	Ratio	Lower	Upper
146	100		
111	37.6	10.8	70.8
148	68.6	33.2	93.2

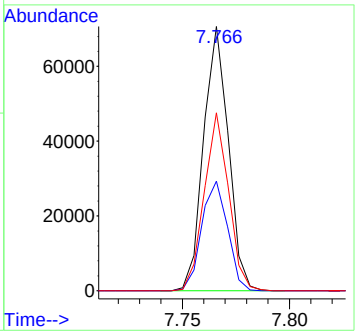


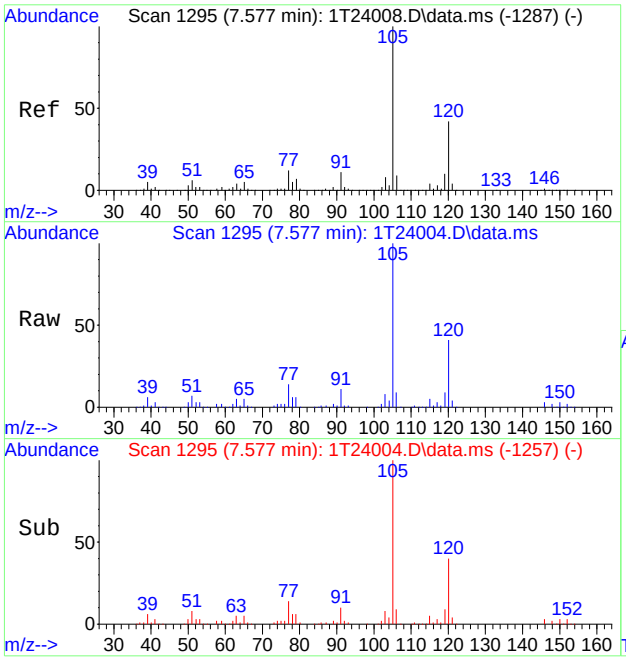


#112
1,2-dichlorobenzene
Concen: 8.26 ug/L
RT: 7.766 min Scan# 1331
Delta R.T. 0.000 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion:146 Resp: 57047

Ion	Ratio	Lower	Upper
146	100		
111	41.5	11.3	71.3
148	67.3	36.2	96.2

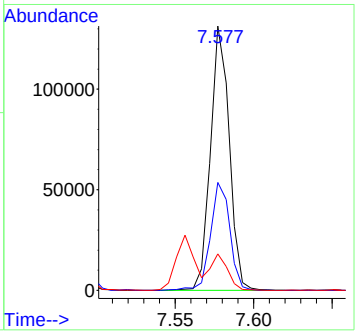


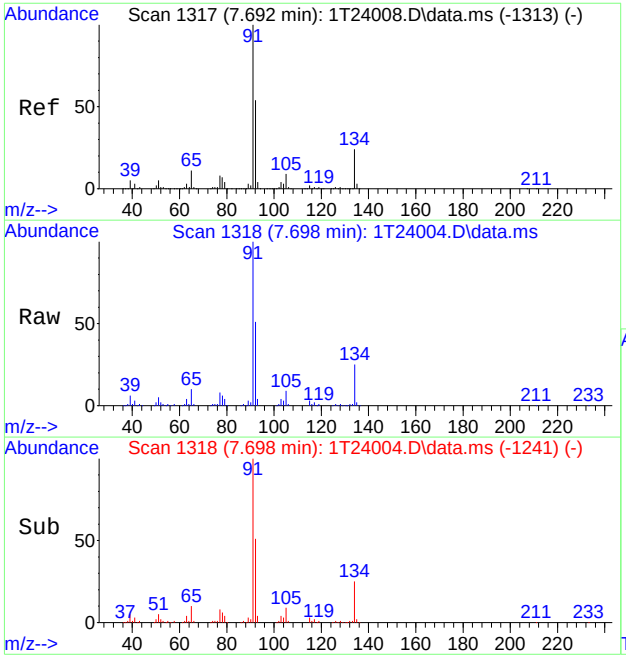


#113
1,2,3-trimethylbenzene
Concen: 8.36 ug/L
RT: 7.577 min Scan# 1295
Delta R.T. 0.000 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion:105 Resp: 109432

Ion	Ratio	Lower	Upper
105	100		
120	40.8	12.2	72.2
77	13.8	0.0	41.7

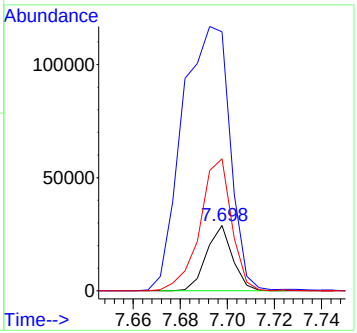


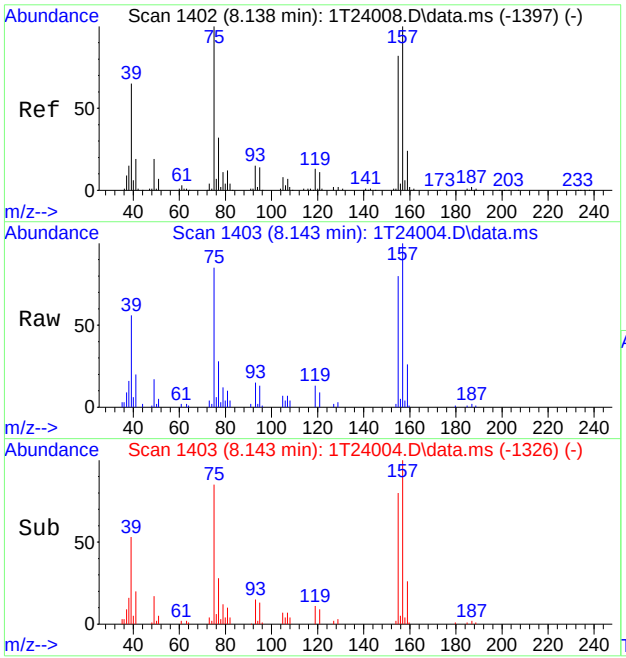


#114
n-butylbenzene
Concen: 8.63 ug/L
RT: 7.698 min Scan# 1318
Delta R.T. 0.006 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion:134 Resp: 22137

Ion	Ratio	Lower	Upper
134	100		
91	394.6	429.9	489.9#
92	201.2	199.0	259.0

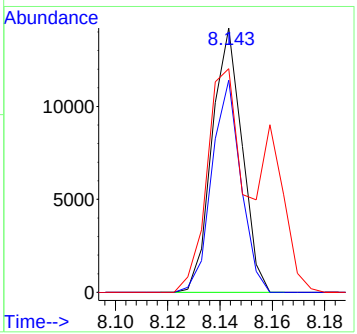




#115
1,2-dibromo-3-chloropropane
Concen: 8.03 ug/L
RT: 8.143 min Scan# 1403
Delta R.T. 0.006 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

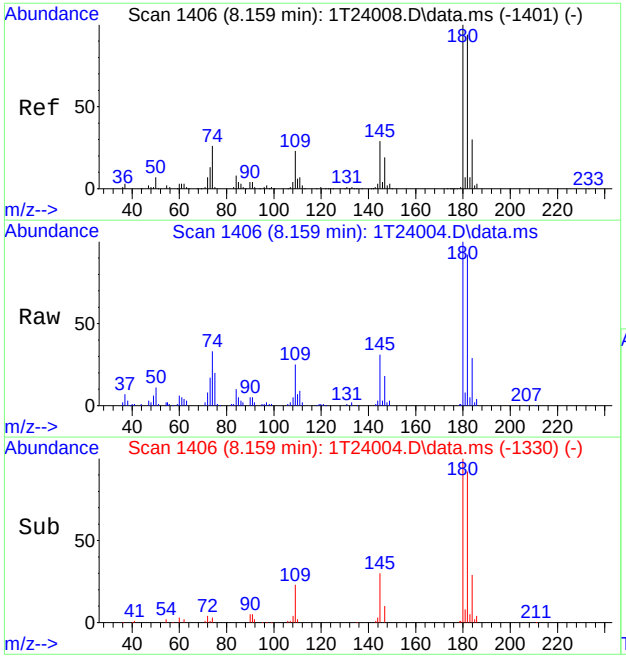
Tgt Ion:157 Resp: 11415

Ion	Ratio	Lower	Upper
157	100		
155	80.2	51.9	111.9
75	84.6	70.0	130.0



7.6.20

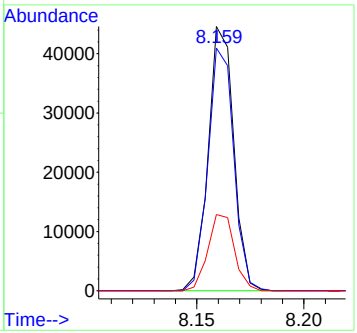
7

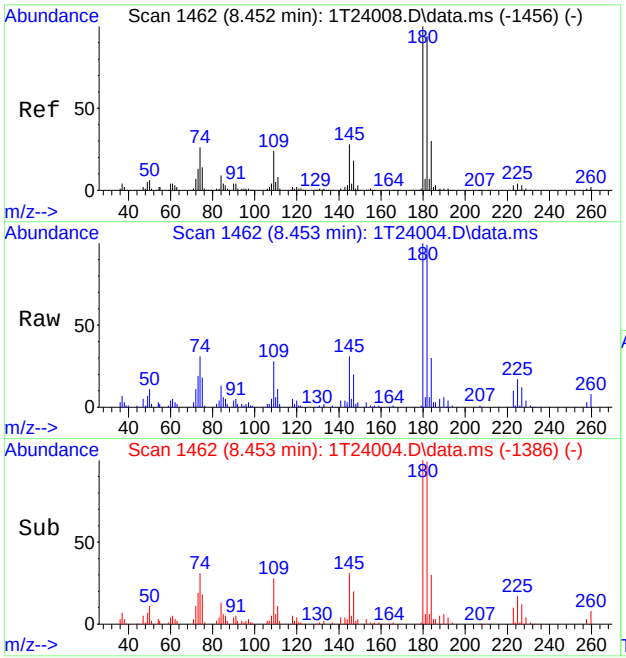


#116
1,3,5-trichlorobenzene
Concen: 8.25 ug/L
RT: 8.159 min Scan# 1406
Delta R.T. 0.000 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion:180 Resp: 37069

Ion	Ratio	Lower	Upper
180	100		
182	91.8	73.5	113.5
184	28.8	10.1	50.1

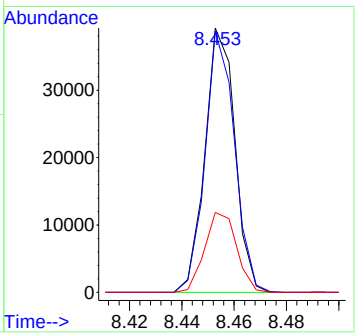


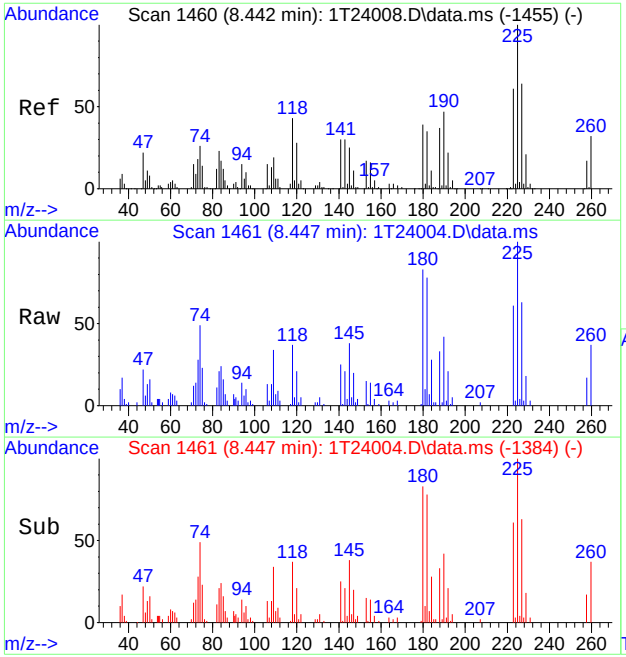


#117
1,2,4-trichlorobenzene
Concen: 8.09 ug/L
RT: 8.453 min Scan# 1462
Delta R.T. 0.000 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion:180 Resp: 31222

Ion	Ratio	Lower	Upper
180	100		
182	98.9	64.0	124.0
184	30.2	0.0	59.7

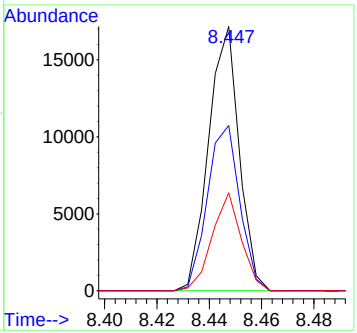


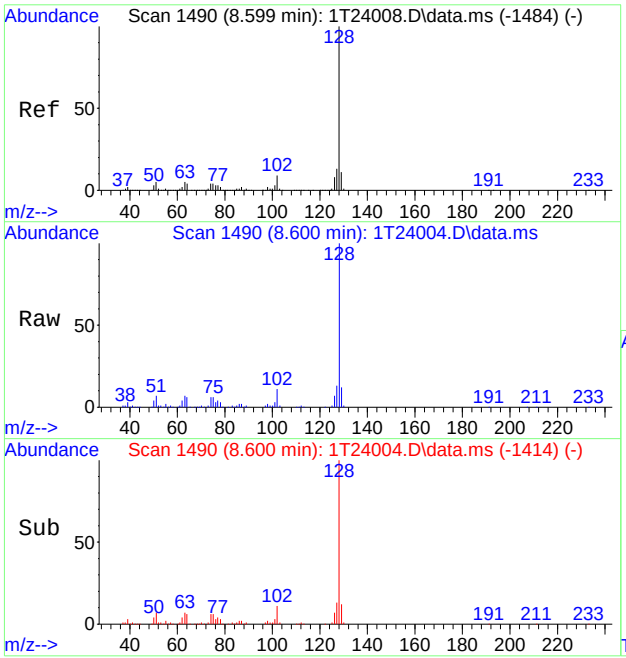


#118
hexachlorobutadiene
Concen: 8.36 ug/L
RT: 8.447 min Scan# 1461
Delta R.T. 0.006 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion:225 Resp: 14052

Ion	Ratio	Lower	Upper
225	100		
227	62.5	34.1	94.1
260	37.1	1.5	61.5

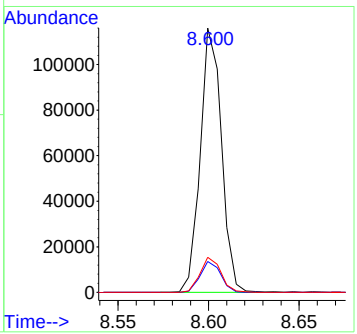


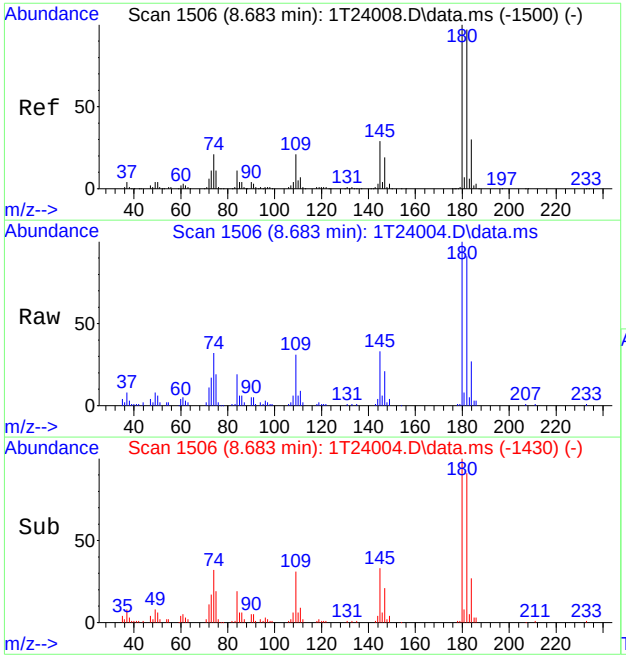


#119
naphthalene
Concen: 8.58 ug/L
RT: 8.600 min Scan# 1490
Delta R.T. 0.000 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion:128 Resp: 94421

Ion	Ratio	Lower	Upper
128	100		
129	11.7	0.0	40.7
127	13.2	0.0	43.4

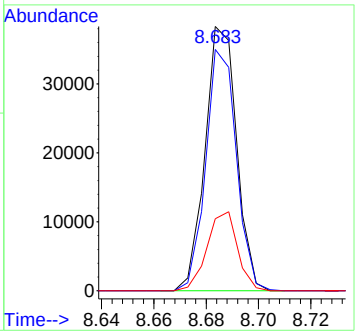


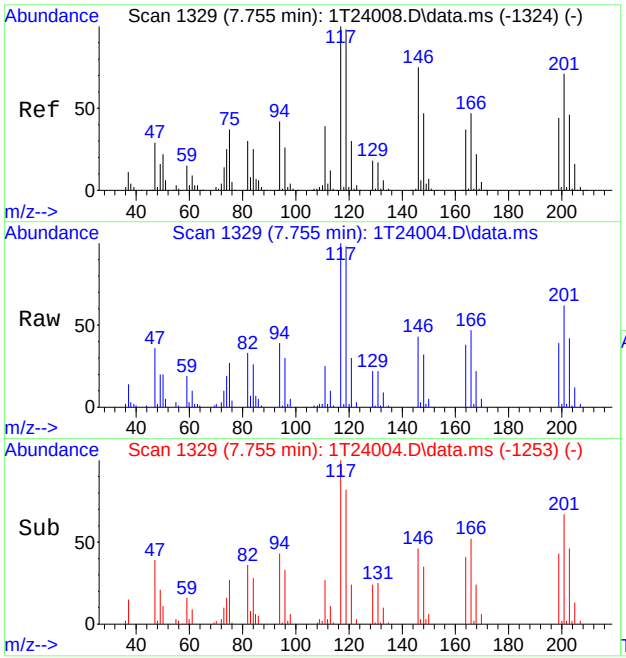


#120
1,2,3-trichlorobenzene
Concen: 9.05 ug/L
RT: 8.683 min Scan# 1506
Delta R.T. 0.000 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion:180 Resp: 32347

Ion	Ratio	Lower	Upper
180	100		
182	91.3	66.5	126.5
184	27.3	0.0	59.6

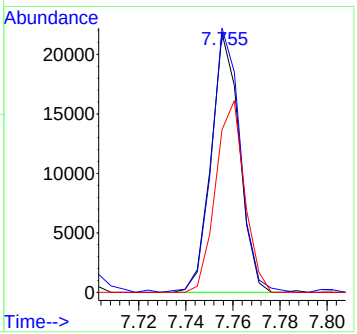


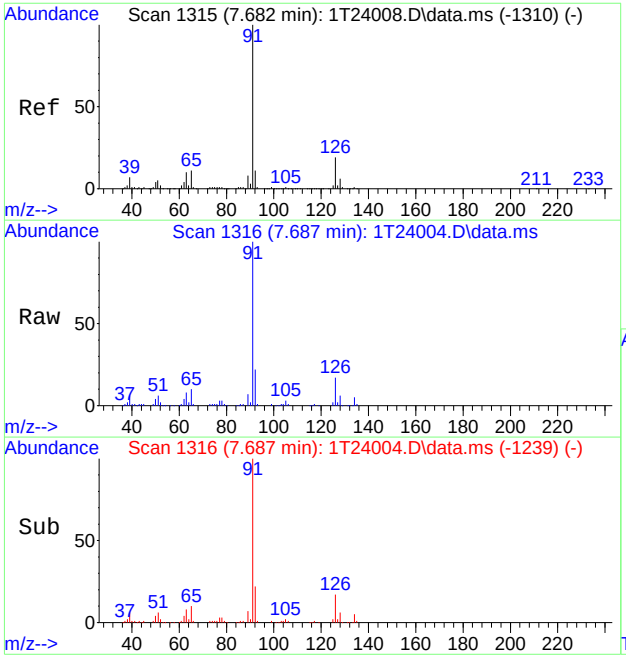


#121
hexachloroethane
Concen: 8.48 ug/L
RT: 7.755 min Scan# 1329
Delta R.T. 0.000 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion:119 Resp: 18220

Ion	Ratio	Lower	Upper
119	100		
117	102.0	71.7	131.7
201	62.8	42.0	102.0

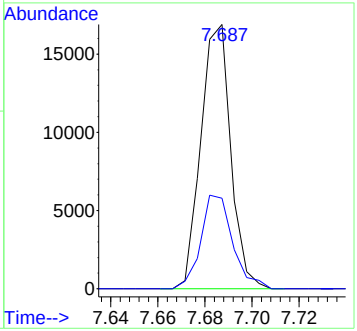


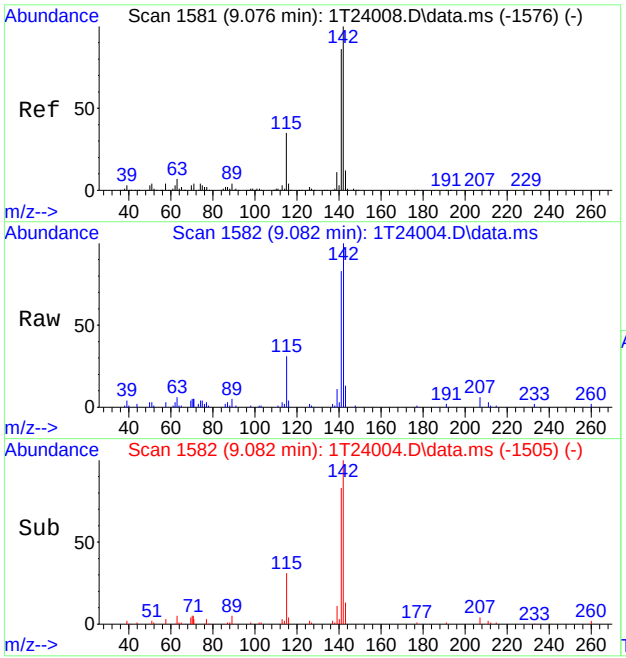


#122
benzyl chloride
Concen: 8.16 ug/L
RT: 7.687 min Scan# 1316
Delta R.T. 0.006 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion:126 Resp: 14943

Ion	Ratio	Lower	Upper
126	100		
128	34.3	1.7	61.7

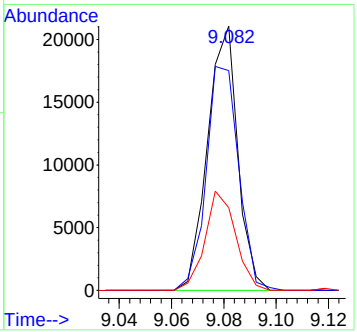




#123
2-methylnaphthalene
Concen: 3.76 ug/L
RT: 9.082 min Scan# 1582
Delta R.T. 0.006 min
Lab File: 1T24004.D
Acq: 18 Sep 2025 12:34 pm

Tgt Ion:142 Resp: 17013

Ion	Ratio	Lower	Upper
142	100		
141	83.1	55.9	115.9
115	31.3	5.4	65.4



Manual Integration Approval Summary

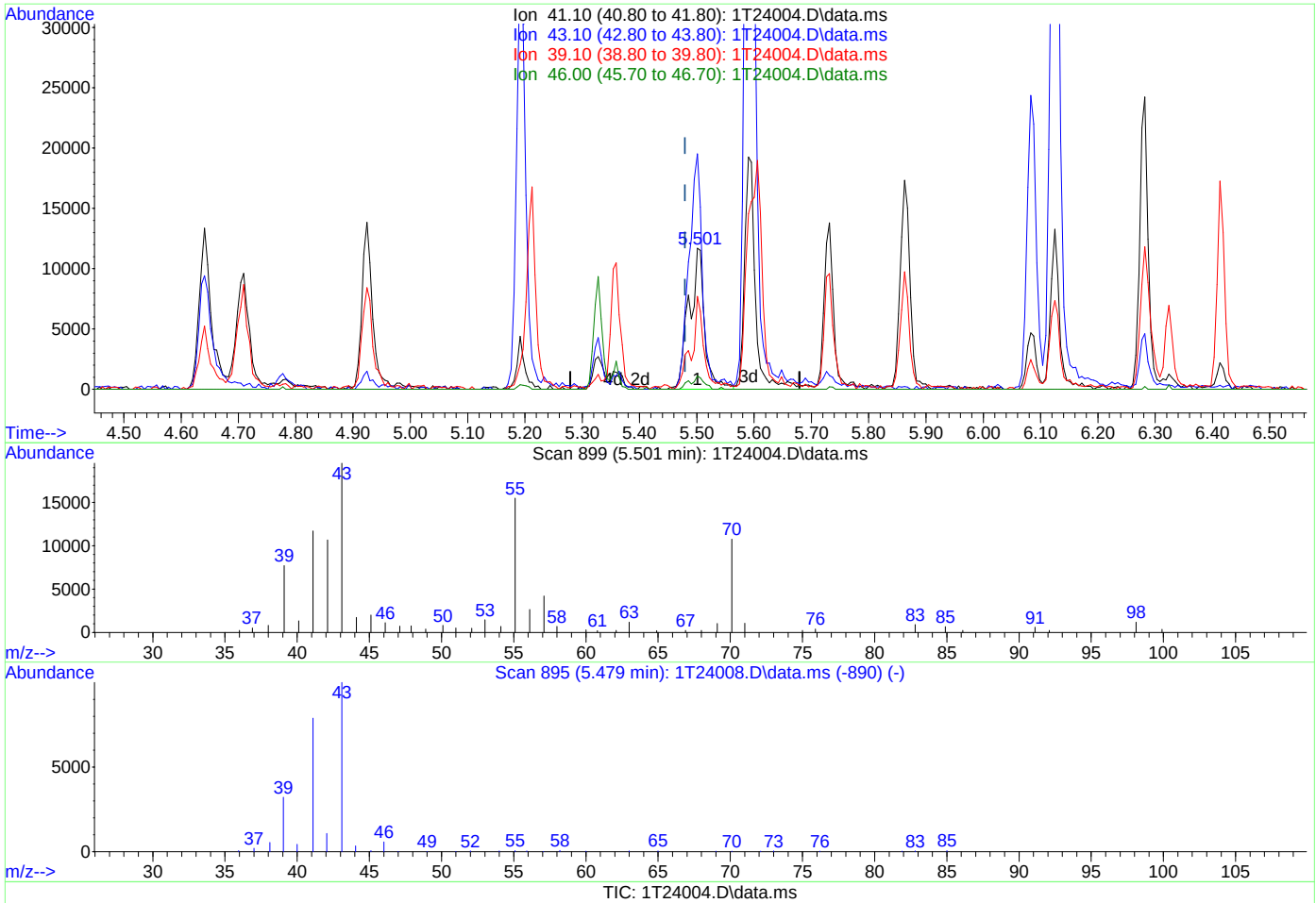
Sample Number:	V1T579-IC579	**Method:**	SW846 8260D
Lab FileID:	1T24004.D	**Analyst approved:**	09/19/25 12:39 MoHui Huang
Injection Time:	09/18/25 12:34	**Supervisor approved:**	09/19/25 18:04 Kanya Veerawat

Parameter	CAS	Sig#	R.T. (min.)	Reason
2-Nitropropane	79-46-9		5.49	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\Initials\VT579\
Data File : 1T24004.D
Acq On : 18 Sep 2025 12:34 pm
Operator : edwardd
Sample : ic579-8
Misc : MS96870,V1T0579,5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 19 10:33:30 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 10:19:08 2025
Response via : Initial Calibration



TIC: 1T24004.D\data.ms

(61) 2-nitropropane

5.501min (+0.021) 20.81ug/L

response 22016

Ion	Exp%	Act%
41.10	100	100
43.10	126.20	166.97#
39.10	41.90	63.42
46.00	7.20	9.51

1T24006.D

Manual Integrations APPROVED (compounds with "m" flag)

Kanya Veerawat 09/19/25 18:04

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VT579\
Data File : 1T24006.D
Acq On : 18 Sep 2025 01:01 pm
Operator : edwardd
Sample : ic579-20
Misc : MS96870,V1T0579,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 19 10:56:09 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 10:19:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	1.988	65	253981	500.00	ug/L	0.00
5) pentafluorobenzene	3.729	168	578145	50.00	ug/L	0.00
50) 1,4-difluorobenzene	4.311	114	960552	50.00	ug/L	0.00
72) chlorobenzene-d5	6.282	117	826588	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	7.556	152	429757	50.00	ug/L	0.00
124) pentafluorobenzene(a)	3.729	168	578145	50.00	ug/L	0.00
132) 1,4-dichlorobenzene-d4(a)	7.556	152	429757	50.00	ug/L	0.00
System Monitoring Compounds						
42) dibromofluoromethane (s)	3.183	113	338811	48.86	ug/L	0.00
Spiked Amount 50.000	Range 75 - 127		Recovery = 97.72%			
51) 1,2-dichloroethane-d4 (s)	3.739	65	362682	49.99	ug/L	0.00
Spiked Amount 50.000	Range 75 - 130		Recovery = 99.98%			
73) toluene-d8 (s)	5.328	98	1126061	49.70	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.40%			
97) 4-bromofluorobenzene (s)	6.985	95	399028	50.89	ug/L	0.00
Spiked Amount 50.000	Range 79 - 127		Recovery = 101.78%			
Target Compounds						Qvalue
2) ethanol	1.469	45	93691	1468.9180	ug/L	97
3) tertiary butyl alcohol	2.035	59	45754	94.8431	ug/L	85
4) 1,4-dioxane	4.924	88	17618	554.5058	ug/L	83
6) chlorodifluoromethane	0.897	51	90363	19.3623	ug/L	97
7) dichlorodifluoromethane	0.882	85	115696	21.6101	ug/L	96
8) chloromethane	0.971	50	66349	20.5552	ug/L	95
9) vinyl chloride	1.002	62	93838	21.9178	ug/L	98
10) 1,3-butadiene	1.007	39	59014	18.9389	ug/L	95
11) bromomethane	1.144	96	50813	21.6368	ug/L #	94
12) chloroethane	1.201	64	77915	19.4028	ug/L	96
13) trichlorofluoromethane	1.264	101	205041	21.1250	ug/L	99
14) ethyl ether	1.406	74	48951	22.0731	ug/L	93
15) acrolein	1.673	56	16178	18.7619	ug/L	92
16) freon 113	1.526	151	66116	21.8349	ug/L	96
17) 1,1-dichloroethene	1.511	61	130258	20.4178	ug/L	100
18) acetone	1.841	58	42401	75.6343	ug/L	99
19) acetonitrile	2.124	41	101926	198.3136	ug/L	99
20) iodomethane	1.584	142	35622	30.3859	ug/L	99
21) carbon disulfide	1.532	76	242748	19.6328	ug/L	99
22) methylene chloride	1.820	84	93919	20.0141	ug/L	99
23) methyl acetate	1.914	74	17158	20.3351	ug/L	94
24) methyl tert butyl ether	1.983	73	178061	23.9912	ug/L	100
25) trans-1,2-dichloroethene	1.914	96	89377	20.9221	ug/L	99
26) hexane	1.967	57	122046	24.3891	ug/L	95
27) di-isopropyl ether	2.240	45	145877	21.7804	ug/L	96
28) ethyl tert-butyl ether	2.517	59	168289	23.1585	ug/L	99
29) 2-butanone	3.314	72	41472	92.4480	ug/L	91
30) 1,1-dichloroethane	2.318	63	133381	20.9590	ug/L	99
31) chloroprene	2.302	53	93813	22.5197	ug/L	98
32) acrylonitrile	2.344	52	23578	18.9079	ug/L	95
33) vinyl acetate	2.512	86	15431	24.5503	ug/L #	87
34) ethyl acetate	3.141	70	9743	24.0241	ug/L	86
35) 2,2-dichloropropane	2.842	77	118246	23.8538	ug/L	97
36) cis-1,2-dichloroethene	2.743	96	77455	20.9867	ug/L	98
37) propionitrile	3.608	54	134517	200.0032	ug/L	96
38) methyl acrylate	3.141	85	12105	21.9655	ug/L #	69
39) bromochloromethane	2.926	128	40576	21.1600	ug/L	88
40) tetrahydrofuran	3.152	71	11381	23.3160	ug/L	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VT579\
Data File : 1T24006.D
Acq On : 18 Sep 2025 01:01 pm
Operator : edwardd
Sample : ic579-20
Misc : MS96870,V1T0579,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 19 10:56:09 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 10:19:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) chloroform	3.000	47	34330	18.5837 ug/L	98
43) methacrylonitrile	3.634	67	29974	21.8716 ug/L	96
44) 1,1,1-trichloroethane	3.199	97	127659	22.5410 ug/L	92
45) cyclohexane	2.932	84	94585	24.0308 ug/L	97
46) 1,1-dichloropropene	3.330	75	92893	25.1836 ug/L	98
47) carbon tetrachloride	3.136	117	113298	22.9992 ug/L	98
48) isobutyl alcohol	3.938	43	27138	199.4488 ug/L	95
49) tert-amyl alcohol	4.043	55	20553	113.9368 ug/L #	76
52) iso-octane	3.477	57	158122	23.7575 ug/L	96
53) benzene	3.592	78	266607	22.0150 ug/L	98
54) tert-amyl methyl ether	3.771	73	162869	20.8938 ug/L	98
55) heptane	3.613	57	30588	23.3220 ug/L	98
56) isopropyl acetate	4.195	87	15632	21.3749 ug/L	98
57) 1,2-dichloroethane	3.818	62	108373	19.4987 ug/L	98
58) n-butyl alcohol	4.636	56	96960	916.4232 ug/L	98
59) ethyl acrylate	4.777	55	81065	22.5049 ug/L	99
60) trichloroethene	4.269	130	73470	23.3471 ug/L	90
61) 2-nitropropane	5.480	41	24260m	22.4405 ug/L	
62) 2-chloroethyl vinyl ether	5.191	63	211946	120.4672 ug/L	99
63) methyl methacrylate	4.924	100	19741	22.2752 ug/L	90
64) 1,2-dichloropropane	4.704	63	65234	21.0031 ug/L	96
65) methylcyclohexane	4.253	98	49296	22.9606 ug/L #	97
66) dibromomethane	4.620	93	53228	19.3081 ug/L	97
67) bromodichloromethane	4.772	83	107303	21.6204 ug/L	99
68) epichlorohydrin	5.364	57	47987	107.4024 ug/L	99
69) cis-1,3-dichloropropene	5.207	75	108548	24.4203 ug/L	94
70) 4-methyl-2-pentanone	5.590	58	119876	89.7629 ug/L	99
71) 3-methyl-1-butanol	5.501	70	45130	394.1138 ug/L	94
74) toluene	5.354	92	178392	20.4122 ug/L	99
75) ethyl methacrylate	5.726	69	76685	21.7878 ug/L	96
76) trans-1,3-dichloropropene	5.606	75	110605	22.8799 ug/L	98
77) 1,1,2-trichloroethane	5.700	83	55695	22.2623 ug/L	97
78) tetrachloroethene	5.579	166	75205	20.8798 ug/L	98
79) 2-hexanone	6.119	58	121651	96.3856 ug/L	92
80) 1,3-dichloropropane	5.862	76	111134	21.6462 ug/L	100
81) butyl acetate	6.083	56	37568	22.2474 ug/L	94
82) dibromochloromethane	5.805	129	83638	21.9921 ug/L	97
83) 1,2-dibromoethane	5.941	107	72153	21.7669 ug/L	96
84) n-butyl ether	6.277	57	248413	23.0450 ug/L	97
85) chlorobenzene	6.292	112	205300	20.1707 ug/L	98
86) 1,1,1,2-tetrachloroethane	6.340	131	72206	21.2661 ug/L	95
87) ethylbenzene	6.324	91	336641	20.9558 ug/L	99
88) m,p-xylene	6.413	106	267535	44.0235 ug/L	99
89) o-xylene	6.659	106	120489	21.6244 ug/L	97
90) styrene	6.691	104	207030	23.9120 ug/L	97
91) bromoform	6.696	173	61059	20.6831 ug/L	98
92) butyl acrylate	6.780	55	117591	23.3977 ug/L	99
93) n-amyl acetate	6.922	70	50265	23.7557 ug/L	96
94) isopropylbenzene	6.838	105	323576	23.0464 ug/L	100
95) cis-1,4-dichloro-2-butene	7.021	88	36435	21.4565 ug/L	94
98) bromobenzene	7.037	156	84045	20.0063 ug/L	99
99) 1,1,2,2-tetrachloroethane	7.095	83	101136	19.4929 ug/L	97
100) trans-1,4-dichloro-2-b...	7.184	53	26911	20.7131 ug/L	94
101) 1,2,3-trichloropropane	7.163	110	34852	18.8922 ug/L	92
102) n-propylbenzene	7.063	91	392893	21.7228 ug/L	99
103) 2-chlorotoluene	7.137	126	79393	21.5876 ug/L	96
104) 4-chlorotoluene	7.220	91	246854	21.4788 ug/L	99
105) 1,3,5-trimethylbenzene	7.168	105	290697	24.0285 ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VT579\
Data File : 1T24006.D
Acq On : 18 Sep 2025 01:01 pm
Operator : edwardd
Sample : ic579-20
Misc : MS96870,V1T0579,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 19 10:56:09 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 10:19:08 2025
Response via : Initial Calibration

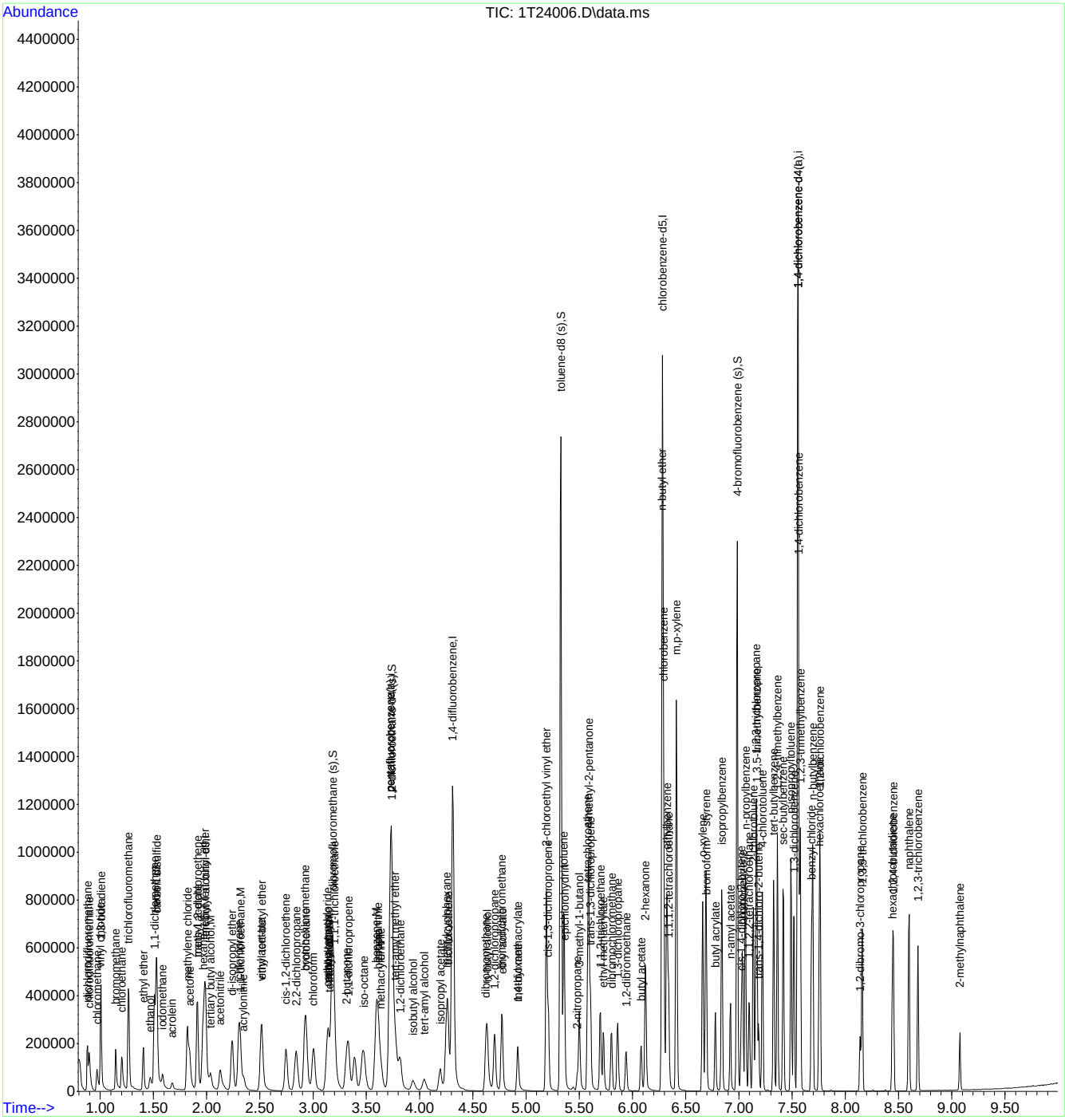
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
106) tert-butylbenzene	7.325	119	224635	23.6884	ug/L	99
107) 1,2,4-trimethylbenzene	7.362	105	295486	24.3561	ug/L	98
108) sec-butylbenzene	7.414	105	325140	23.8689	ug/L	97
109) 1,3-dichlorobenzene	7.519	146	163609	21.2303	ug/L	97
110) p-isopropyltoluene	7.488	119	286069	24.8057	ug/L	95
111) 1,4-dichlorobenzene	7.561	146	173135	20.5456	ug/L	98
112) 1,2-dichlorobenzene	7.761	146	156115	20.7529	ug/L	94
113) 1,2,3-trimethylbenzene	7.577	105	309533	21.6675	ug/L	100
114) n-butylbenzene	7.692	134	67613	24.0029	ug/L	92
115) 1,2-dibromo-3-chloropr...	8.138	157	29795	19.3267	ug/L	97
116) 1,3,5-trichlorobenzene	8.159	180	102489	20.9485	ug/L	98
117) 1,2,4-trichlorobenzene	8.453	180	88468	21.1178	ug/L	99
118) hexachlorobutadiene	8.442	225	37336	20.3501	ug/L	99
119) naphthalene	8.599	128	286043	23.6944	ug/L	98
120) 1,2,3-trichlorobenzene	8.683	180	85173	21.5183	ug/L	99
121) hexachloroethane	7.755	119	52699	22.4098	ug/L	97
122) benzyl chloride	7.682	126	44118	22.1490	ug/L	98
123) 2-methylnaphthalene	9.077	142	53858	11.1020	ug/L	97

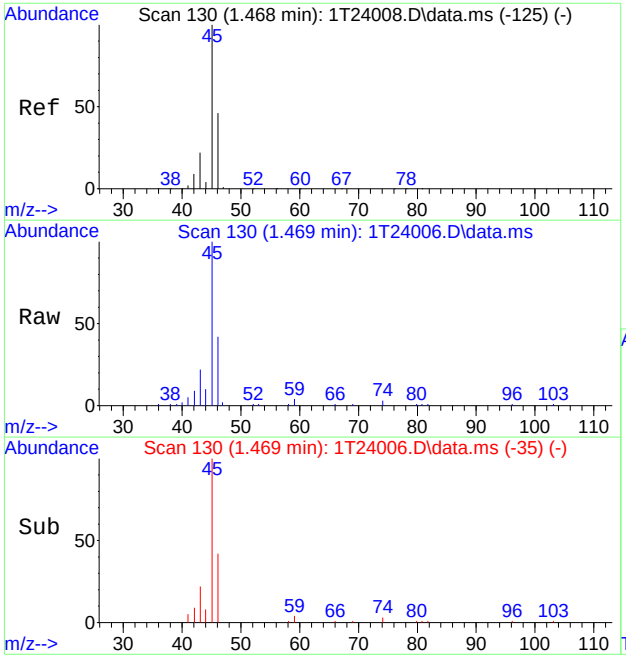
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VT579\
Data File : 1T24006.D
Acq On : 18 Sep 2025 01:01 pm
Operator : edwardd
Sample : ic579-20
Misc : MS96870,V1T0579,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 19 10:56:09 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 10:19:08 2025
Response via : Initial Calibration

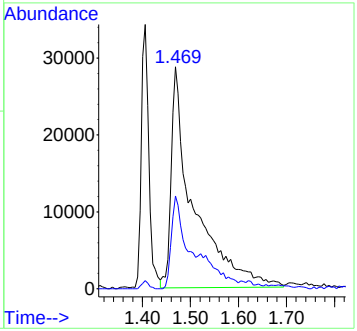


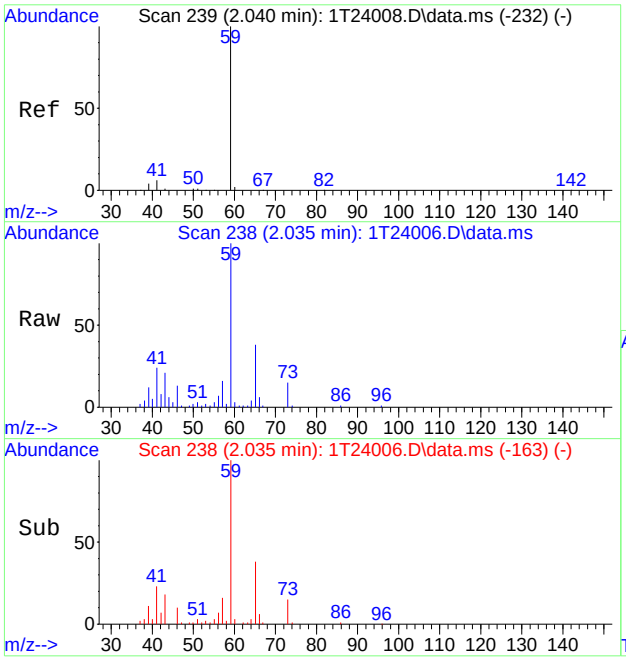


#2
ethanol
Concen: 1468.92 ug/L
RT: 1.469 min Scan# 130
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion: 45 Resp: 93691

Ion	Ratio	Lower	Upper
45	100		
46	42.4	24.5	64.5

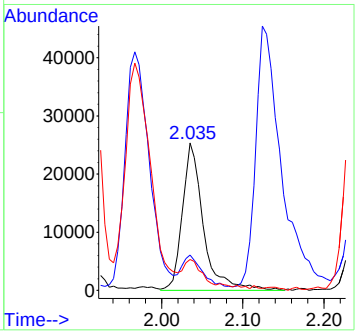


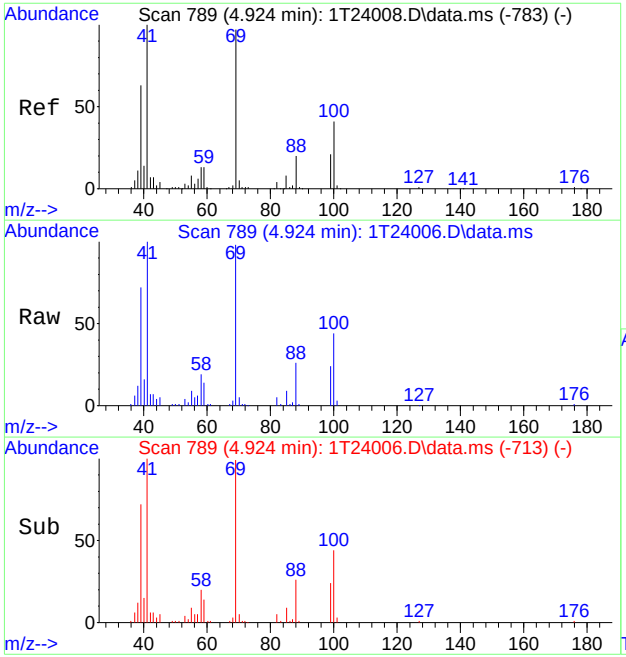


#3
tertiary butyl alcohol
Concen: 94.84 ug/L
RT: 2.035 min Scan# 238
Delta R.T. -0.005 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion: 59 Resp: 45754

Ion	Ratio	Lower	Upper
59	100		
41	0.0	0.0	43.1
43	19.8	0.0	48.5

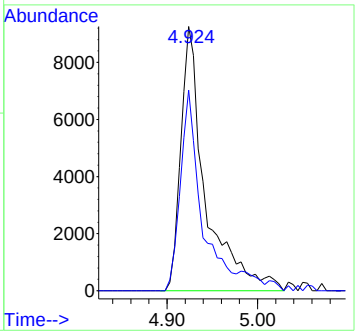


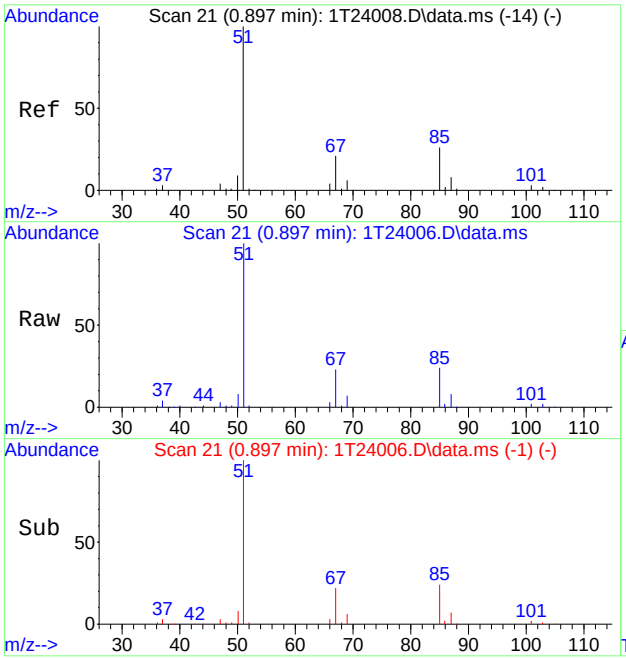


#4
1,4-dioxane
Concen: 554.51 ug/L
RT: 4.924 min Scan# 789
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion: 88 Resp: 17618

Ion	Ratio	Lower	Upper
88	100		
58	75.9	43.0	83.0

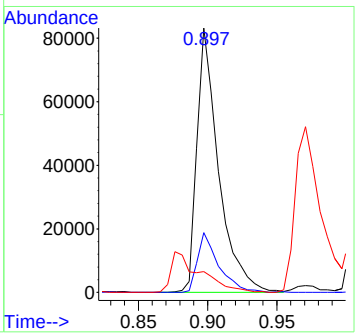


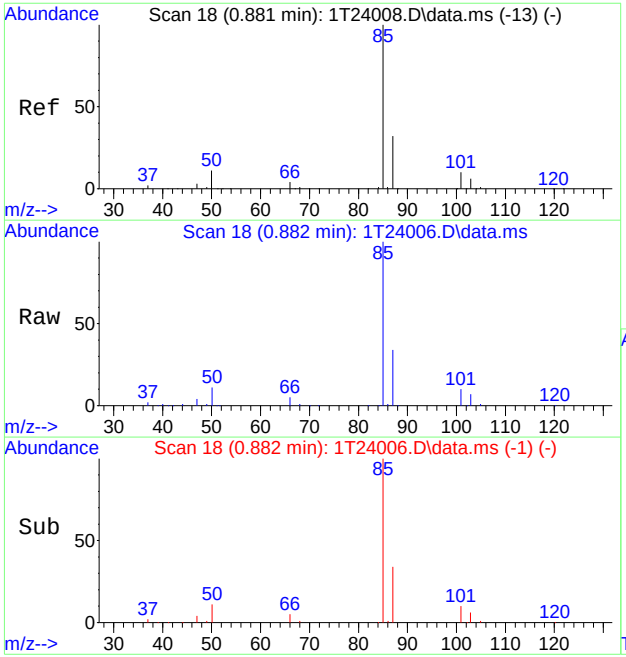


#6
chlorodifluoromethane
Concen: 19.36 ug/L
RT: 0.897 min Scan# 21
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion: 51 Resp: 90363

Ion	Ratio	Lower	Upper
51	100		
67	22.6	0.0	51.0
50	7.7	0.0	38.8

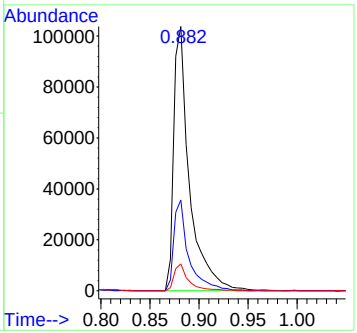


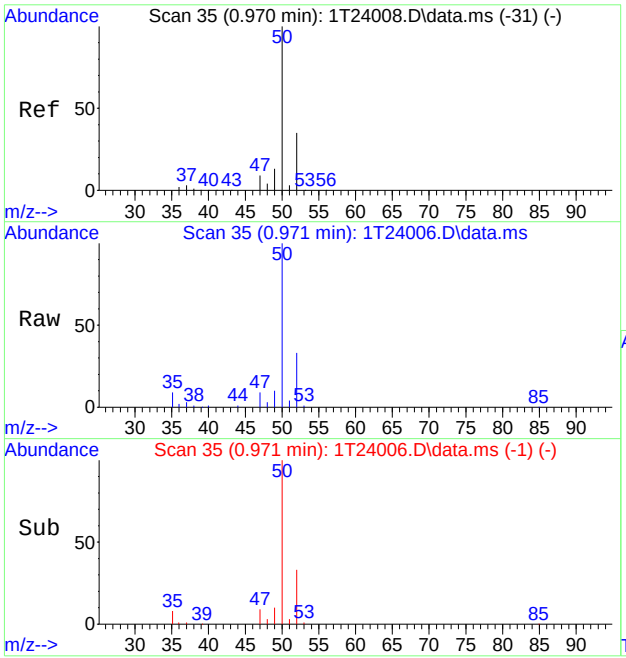


#7
dichlorodifluoromethane
Concen: 21.61 ug/L
RT: 0.882 min Scan# 18
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion: 85 Resp: 115696

Ion	Ratio	Lower	Upper
85	100		
87	34.4	1.6	61.6
101	10.2	0.0	39.6

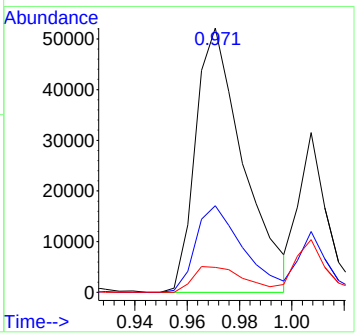


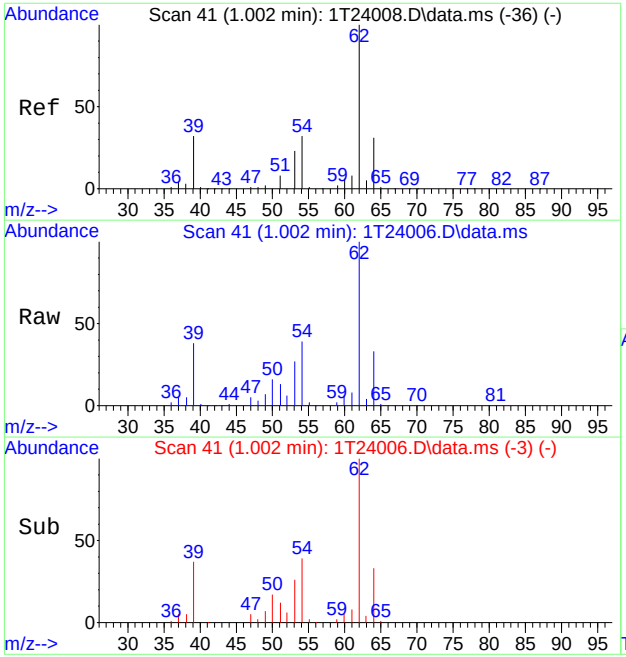


#8
chloromethane
Concen: 20.56 ug/L
RT: 0.971 min Scan# 35
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion: 50 Resp: 66349

Ion	Ratio	Lower	Upper
50	100		
52	32.8	5.4	65.4
49	9.5	0.0	42.5

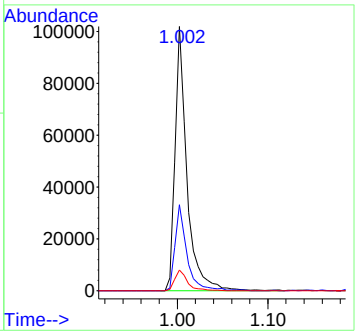


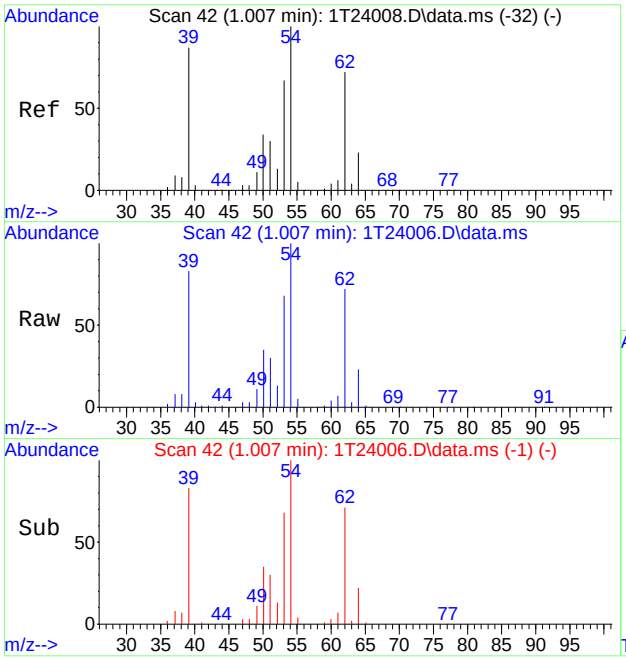


#9
vinyl chloride
Concen: 21.92 ug/L
RT: 1.002 min Scan# 41
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion: 62 Resp: 93838

Ion	Ratio	Lower	Upper
62	100		
64	32.5	1.5	61.5
61	7.9	0.0	38.2

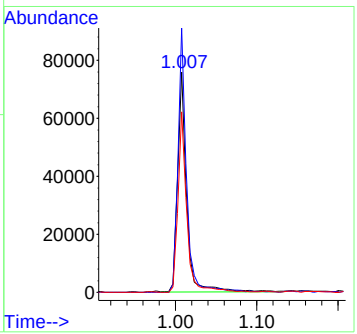


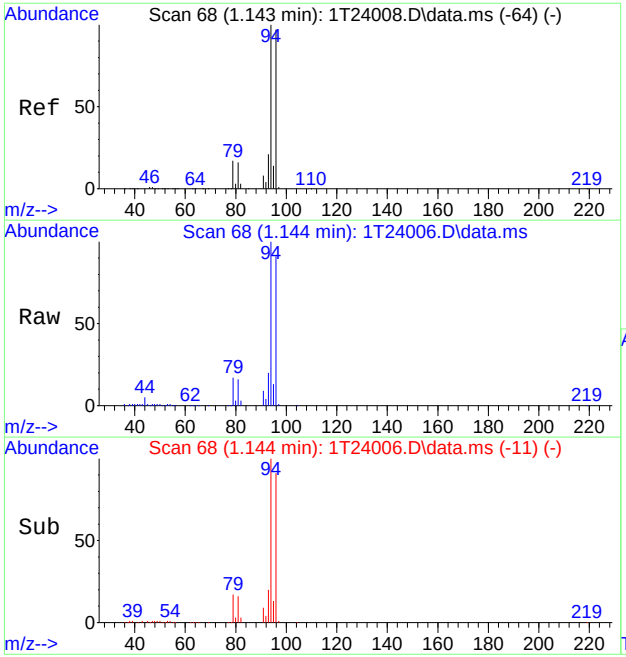


#10
1,3-butadiene
Concen: 18.94 ug/L
RT: 1.007 min Scan# 42
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion: 39 Resp: 59014

Ion	Ratio	Lower	Upper
39	100		
54	120.4	84.6	144.6
53	82.2	47.3	107.3

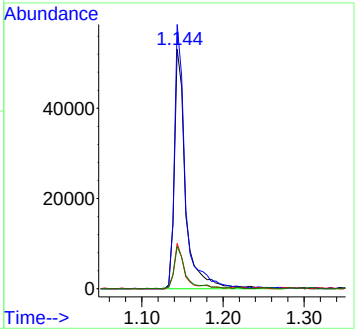


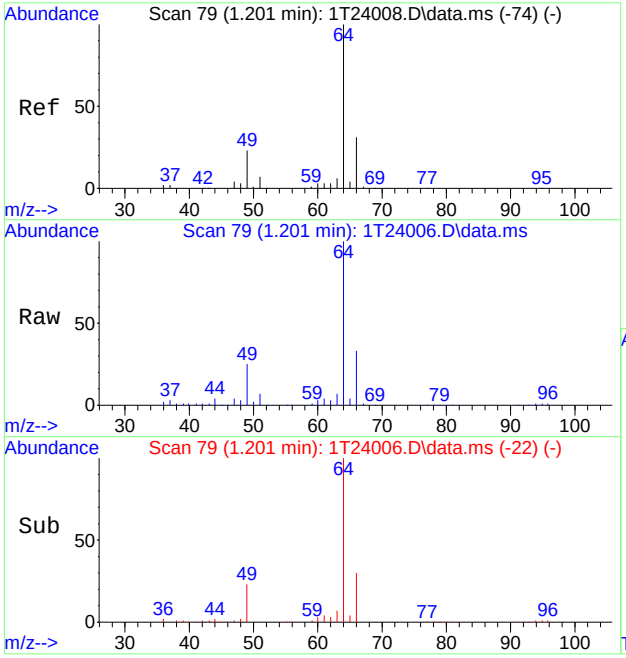


#11
bromomethane
Concen: 21.64 ug/L
RT: 1.144 min Scan# 68
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion: 96 Resp: 50813

Ion	Ratio	Lower	Upper
96	100		
94	110.3	73.2	133.2
79	19.0	17.3	17.3#
81	17.7	0.0	36.8

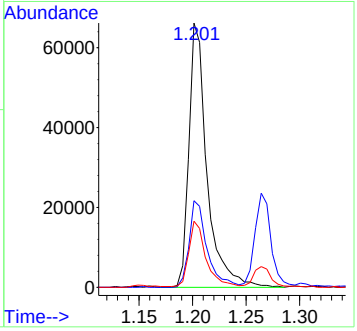


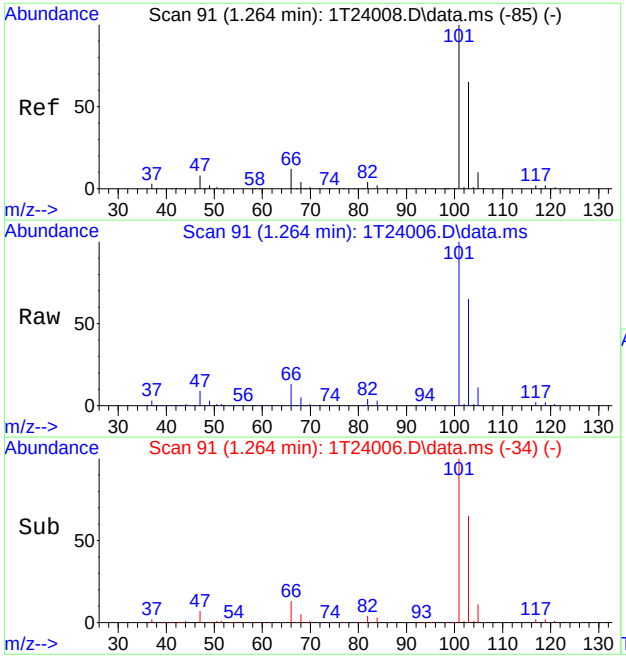


#12
chloroethane
Concen: 19.40 ug/L
RT: 1.201 min Scan# 79
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion: 64 Resp: 77915

Ion	Ratio	Lower	Upper
64	100		
66	32.8	0.9	60.9
49	24.7	0.0	52.7

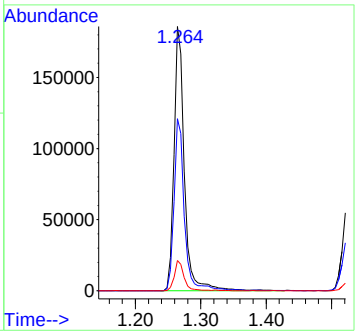


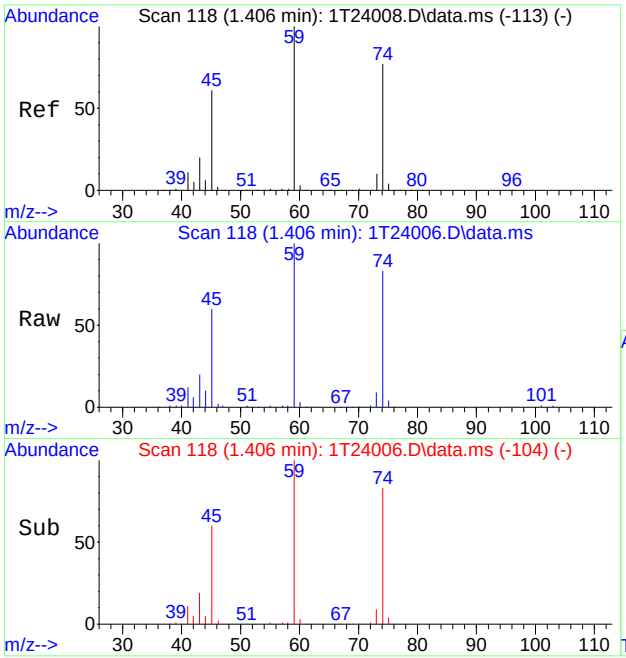


#13
trichlorofluoromethane
Concen: 21.13 ug/L
RT: 1.264 min Scan# 91
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion:101 Resp: 205041

Ion	Ratio	Lower	Upper
101	100		
103	65.1	34.8	94.8
105	11.4	0.0	40.0

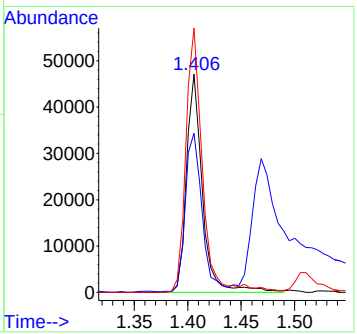


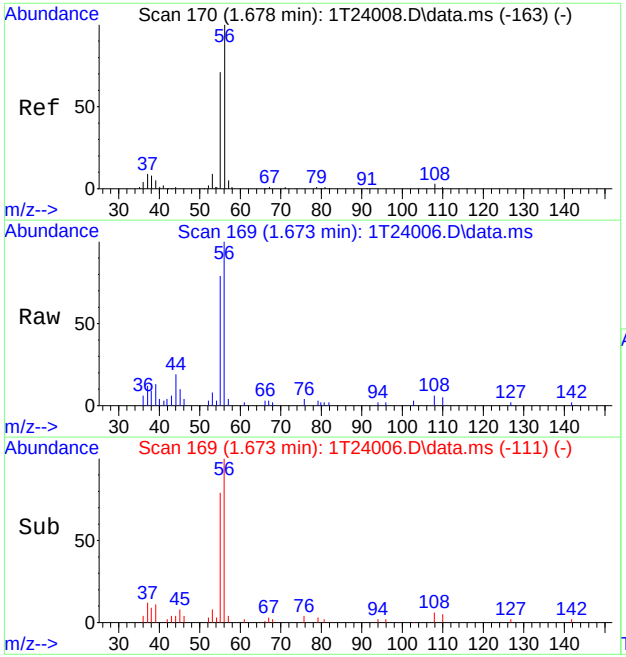


#14
ethyl ether
Concen: 22.07 ug/L
RT: 1.406 min Scan# 118
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion: 74 Resp: 48951

Ion	Ratio	Lower	Upper
74	100		
45	72.6	48.9	108.9
59	121.1	99.2	159.2

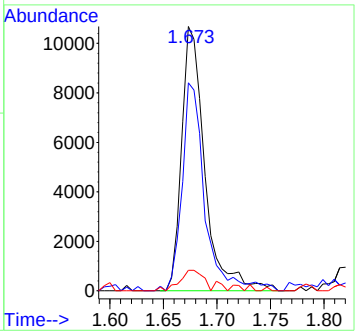


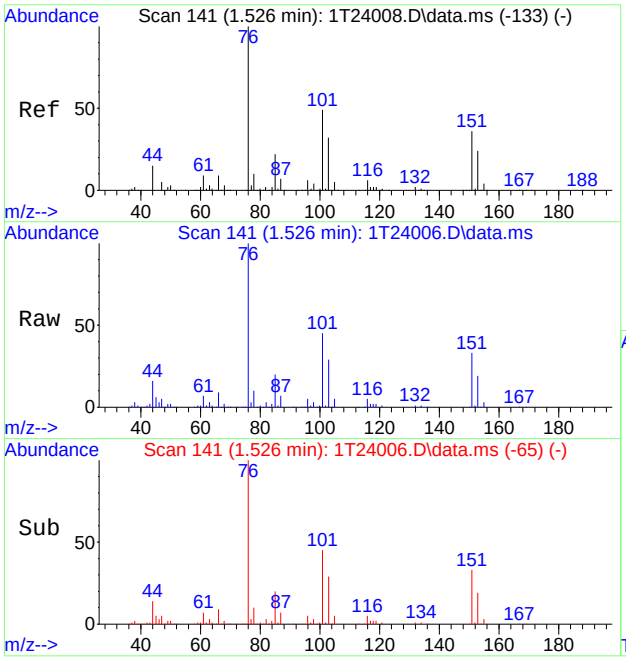


#15
acrolein
Concen: 18.76 ug/L
RT: 1.673 min Scan# 169
Delta R.T. -0.005 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion: 56 Resp: 16178

Ion	Ratio	Lower	Upper
56	100		
55	78.7	41.3	101.3
53	7.8	0.0	38.7

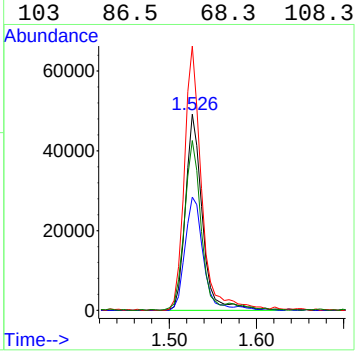


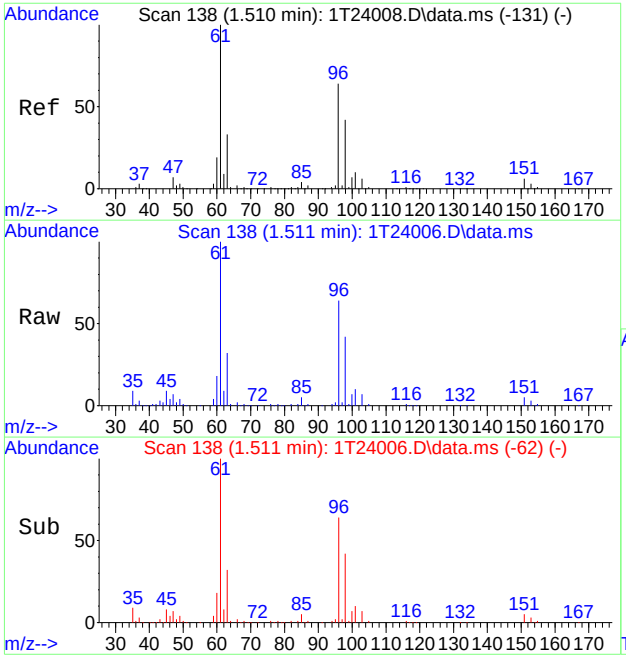


#16
freon 113
Concen: 21.83 ug/L
RT: 1.526 min Scan# 141
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion:151 Resp: 66116

Ion	Ratio	Lower	Upper
151	100		
153	57.7	46.1	86.1
101	134.7	116.7	156.7
103	86.5	68.3	108.3

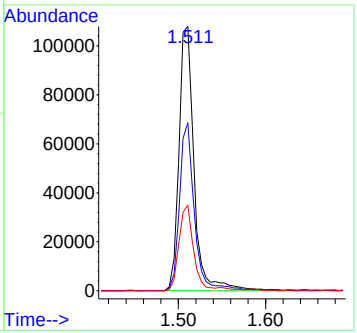


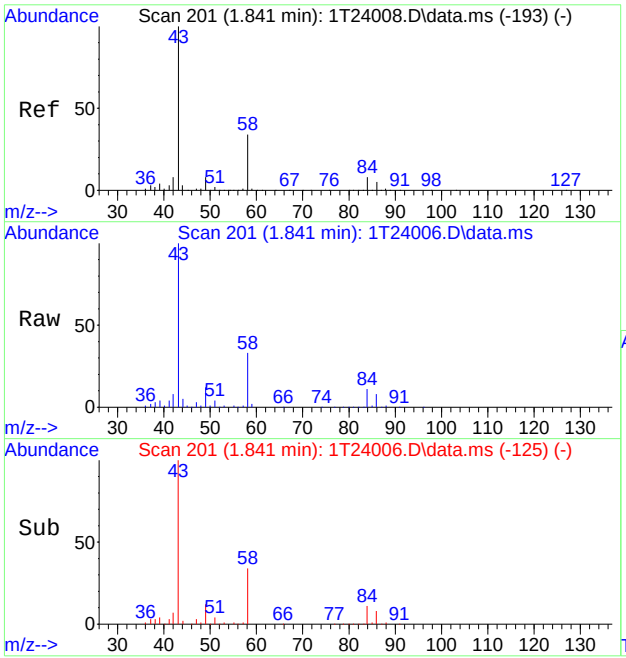


#17
1,1-dichloroethene
Concen: 20.42 ug/L
RT: 1.511 min Scan# 138
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion: 61 Resp: 130258

Ion	Ratio	Lower	Upper
61	100		
96	63.4	33.7	93.7
63	32.4	2.8	62.8

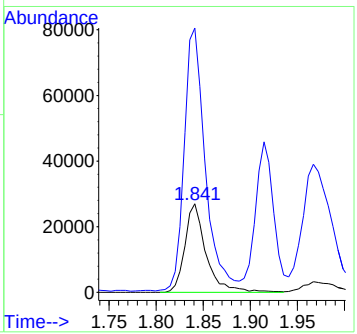


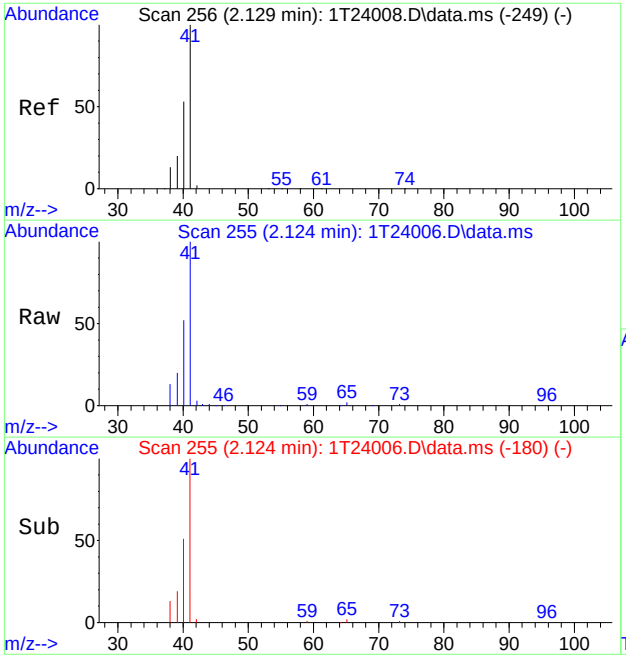


#18
acetone
Concen: 75.63 ug/L
RT: 1.841 min Scan# 201
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion: 58 Resp: 42401

Ion	Ratio	Lower	Upper
58	100		
43	296.1	263.8	323.8

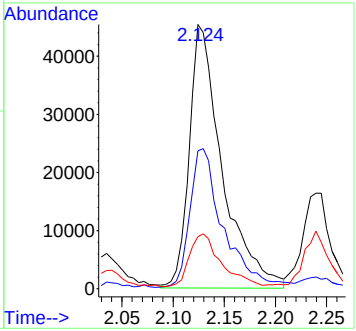


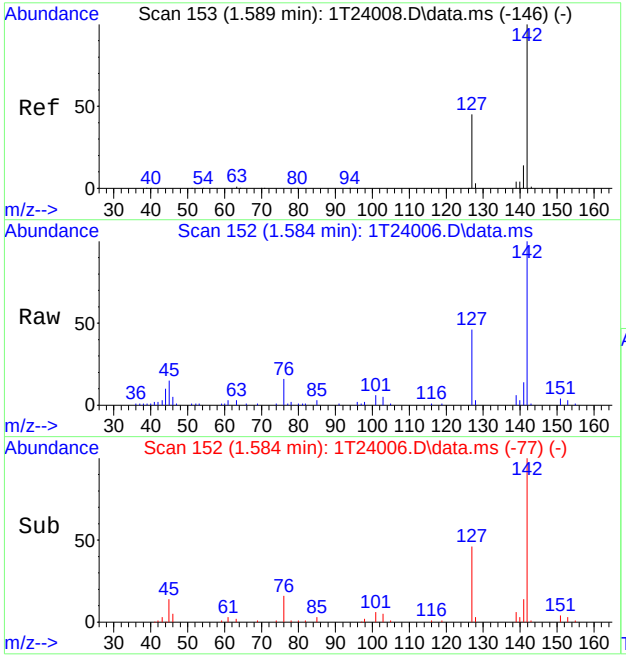


#19
acetonitrile
Concen: 198.31 ug/L
RT: 2.124 min Scan# 255
Delta R.T. -0.005 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion: 41 Resp: 101926

Ion	Ratio	Lower	Upper
41	100		
40	52.3	23.2	83.2
39	19.2	0.0	49.8

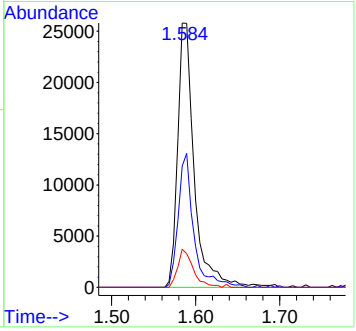


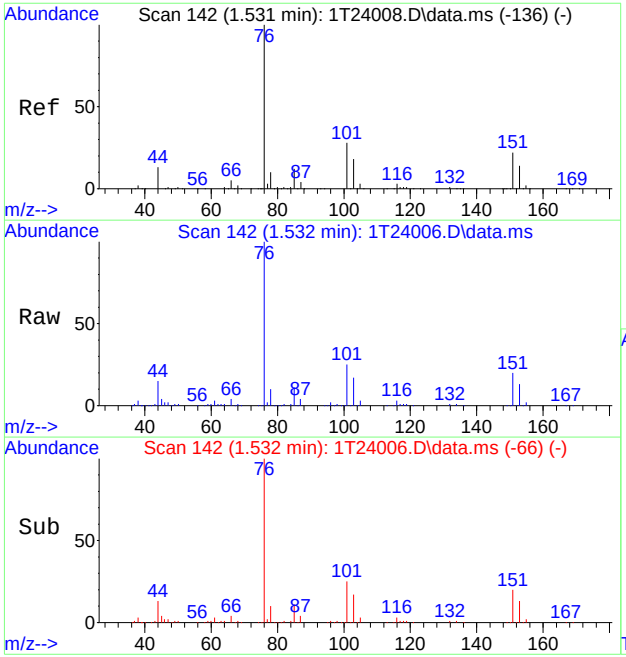


#20
iodomethane
Concen: 30.39 ug/L
RT: 1.584 min Scan# 152
Delta R.T. -0.005 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion:142 Resp: 35622

Ion	Ratio	Lower	Upper
142	100		
127	45.9	14.7	74.7
141	14.5	0.0	44.3

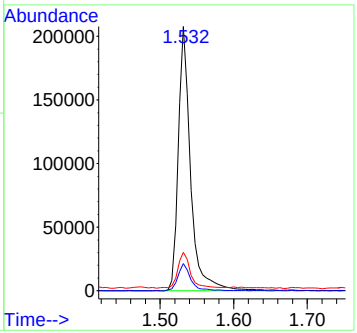


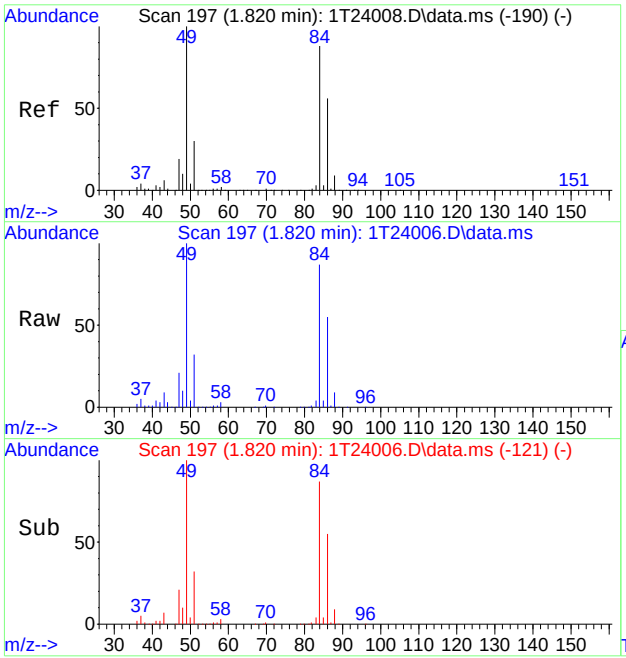


#21
carbon disulfide
Concen: 19.63 ug/L
RT: 1.532 min Scan# 142
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion: 76 Resp: 242748

Ion	Ratio	Lower	Upper
76	100		
78	10.3	0.0	40.0
44	13.7	0.0	43.4

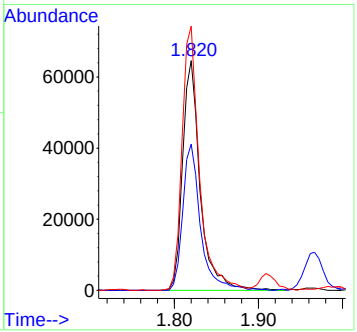


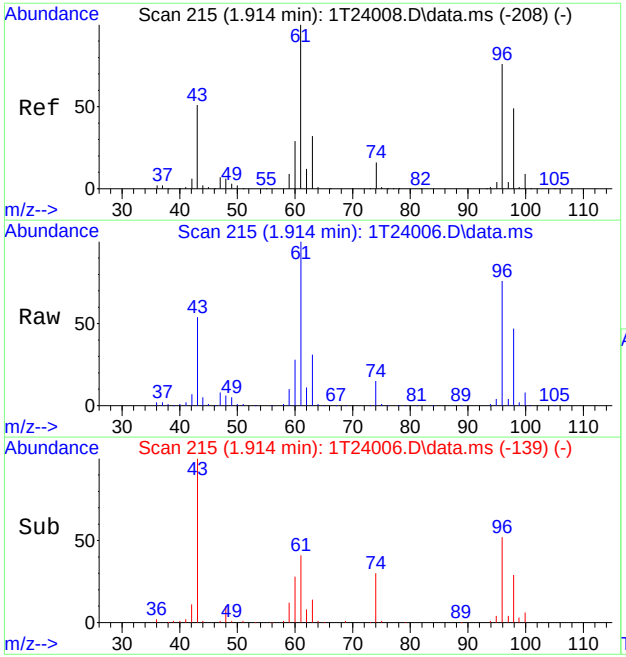


#22
methylene chloride
Concen: 20.01 ug/L
RT: 1.820 min Scan# 197
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion: 84 Resp: 93919

Ion	Ratio	Lower	Upper
84	100		
86	63.7	34.2	94.2
49	115.1	84.0	144.0

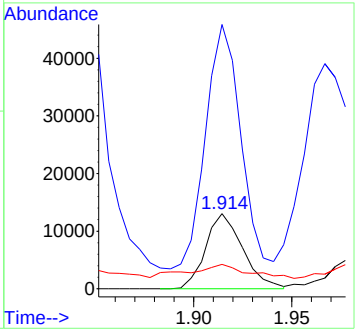


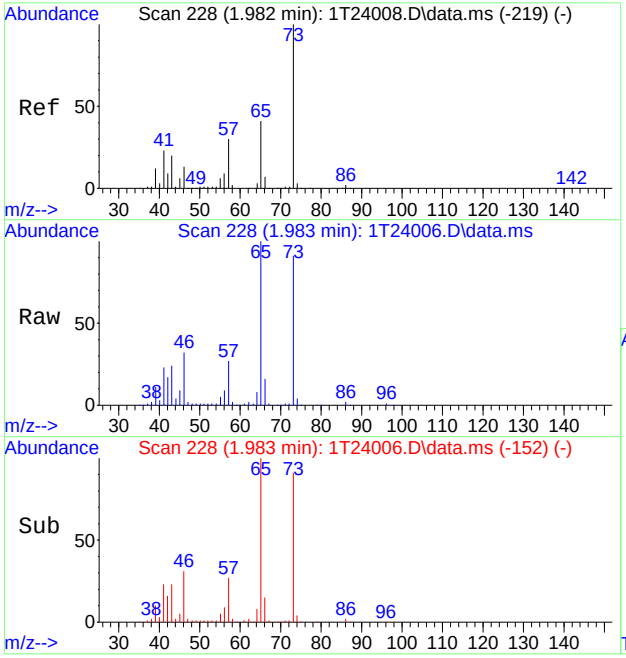


#23
methyl acetate
Concen: 20.34 ug/L
RT: 1.914 min Scan# 215
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion: 74 Resp: 17158

Ion	Ratio	Lower	Upper
74	100		
43	324.5	282.8	342.8
44	14.3	0.0	42.2

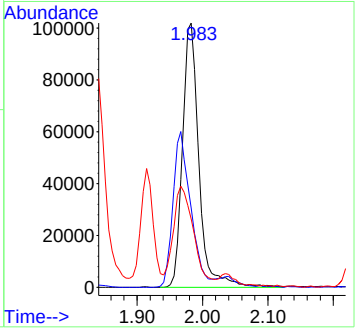


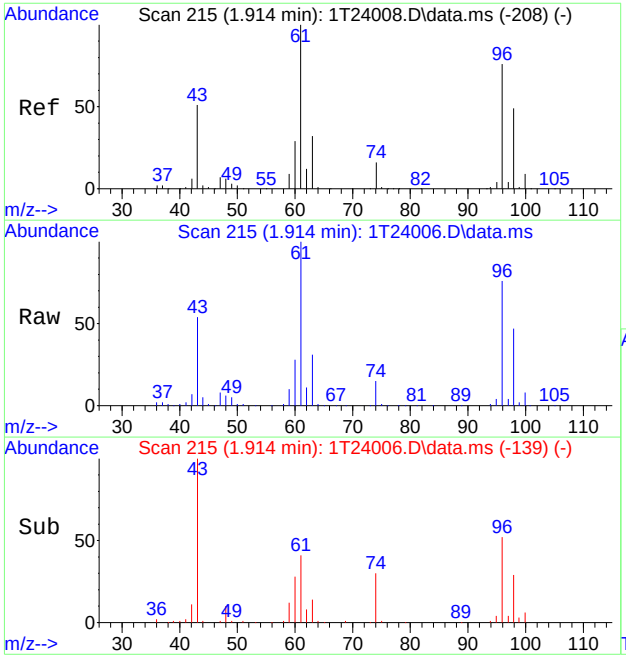


#24
methyl tert butyl ether
Concen: 23.99 ug/L
RT: 1.983 min Scan# 228
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion: 73 Resp: 178061

Ion	Ratio	Lower	Upper
73	100		
57	30.1	0.0	60.0
43	25.6	0.0	55.7

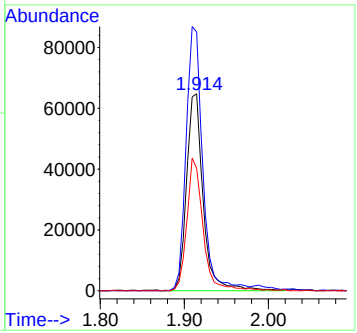


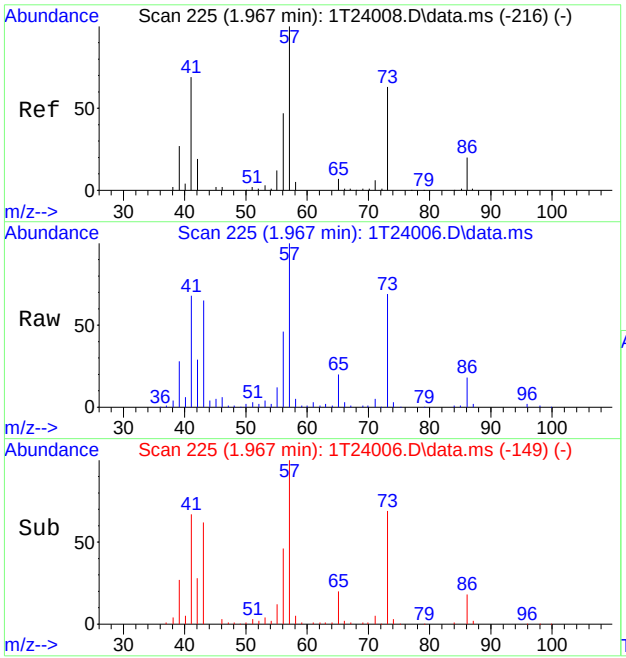


#25
trans-1,2-dichloroethene
Concen: 20.92 ug/L
RT: 1.914 min Scan# 215
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion: 96 Resp: 89377

Ion	Ratio	Lower	Upper
96	100		
61	131.2	101.0	161.0
98	62.1	34.5	94.5

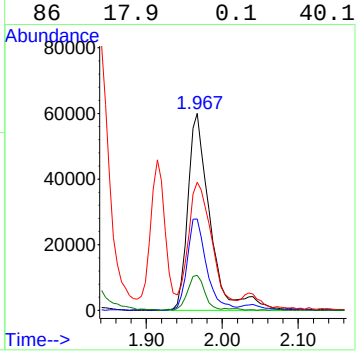


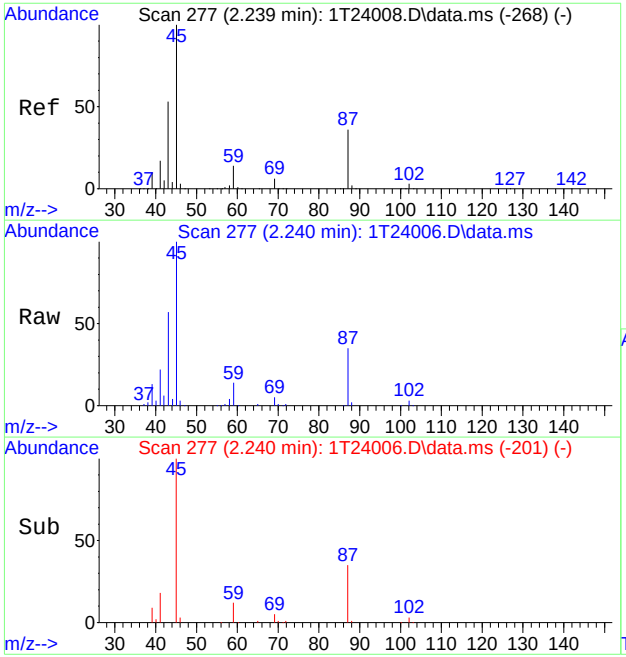


#26
hexane
Concen: 24.39 ug/L
RT: 1.967 min Scan# 225
Delta R.T. -0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion: 57 Resp: 122046

Ion	Ratio	Lower	Upper
57	100		
56	46.4	27.2	67.2
43	63.6	37.1	77.1
86	17.9	0.1	40.1

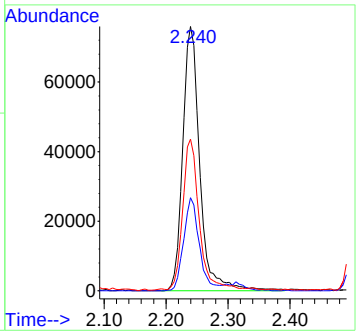


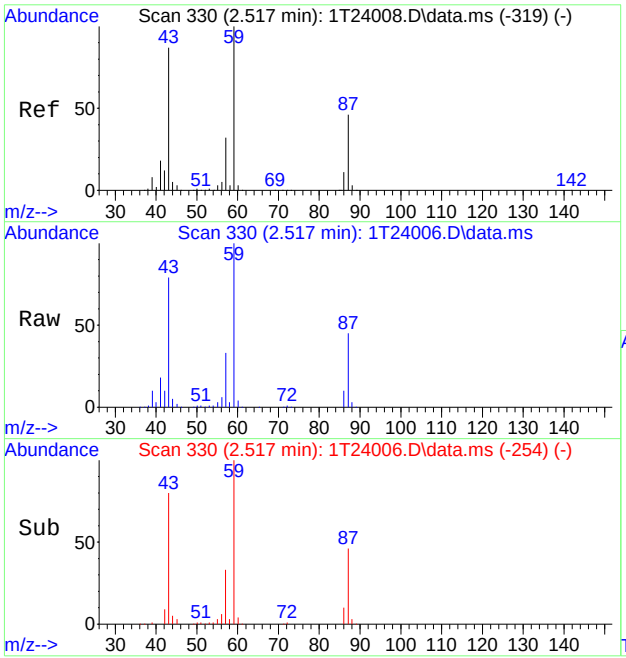


#27
di-isopropyl ether
Concen: 21.78 ug/L
RT: 2.240 min Scan# 277
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion: 45 Resp: 145877

Ion	Ratio	Lower	Upper
45	100		
87	35.3	6.3	66.3
43	56.7	23.0	83.0

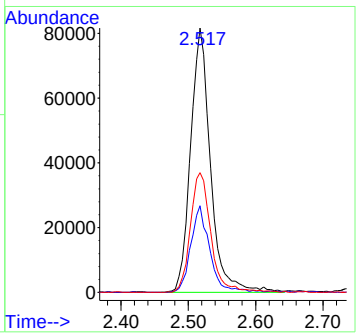


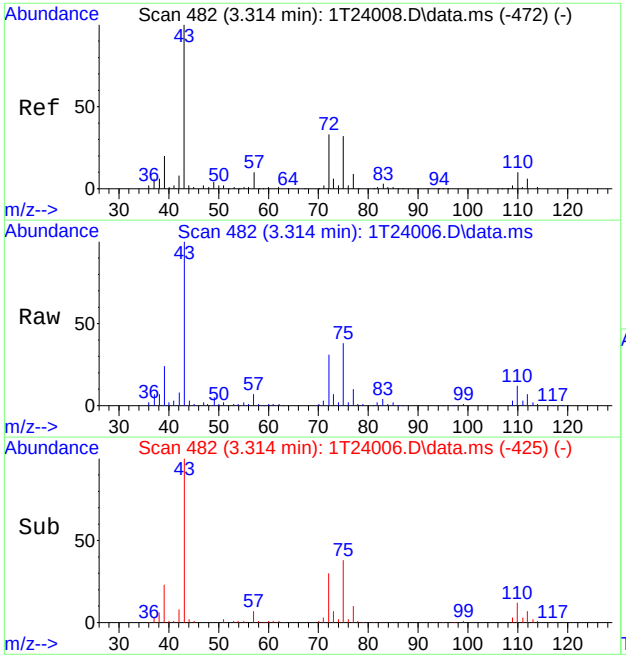


#28
ethyl tert-butyl ether
Concen: 23.16 ug/L
RT: 2.517 min Scan# 330
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion: 59 Resp: 168289

Ion	Ratio	Lower	Upper
59	100		
57	32.8	2.1	62.1
87	45.3	15.5	75.5

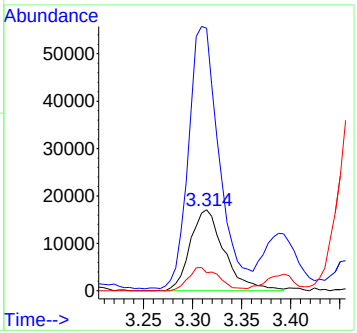


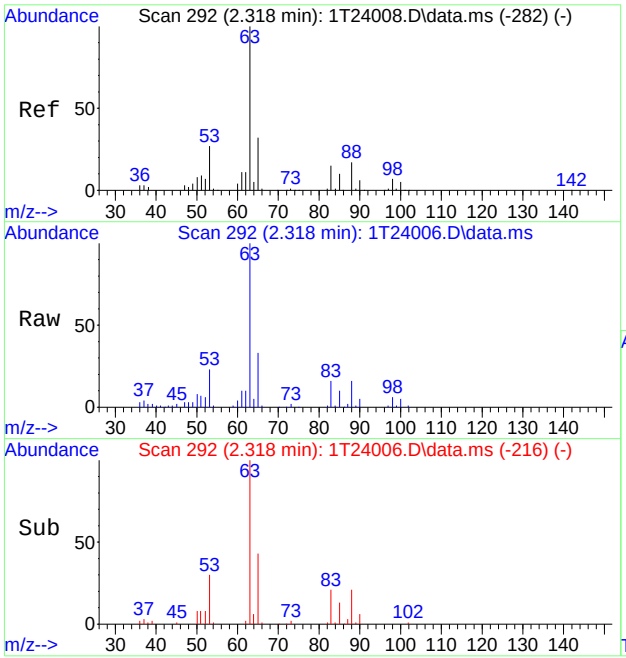


#29
2-butanone
Concen: 92.45 ug/L
RT: 3.314 min Scan# 482
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion: 72 Resp: 41472

Ion	Ratio	Lower	Upper
72	100		
43	321.2	273.9	333.9
57	21.4	0.0	58.9

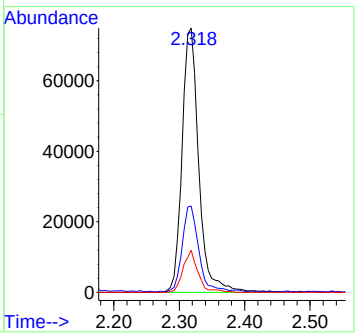


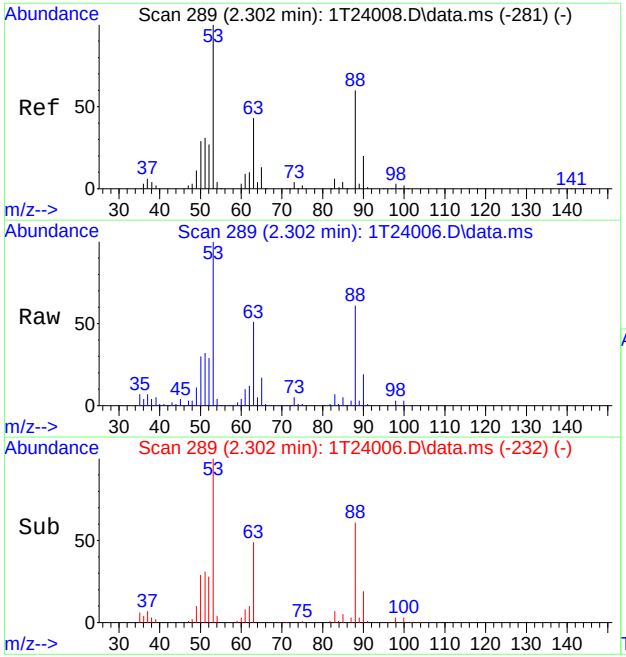


#30
1,1-dichloroethane
Concen: 20.96 ug/L
RT: 2.318 min Scan# 292
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion: 63 Resp: 133381

Ion	Ratio	Lower	Upper
63	100		
65	32.3	2.0	62.0
83	16.0	0.0	45.2

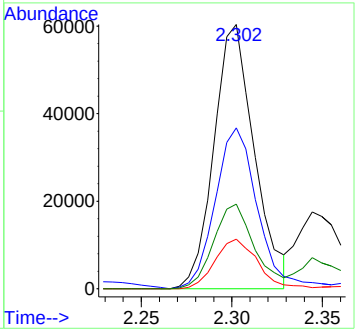


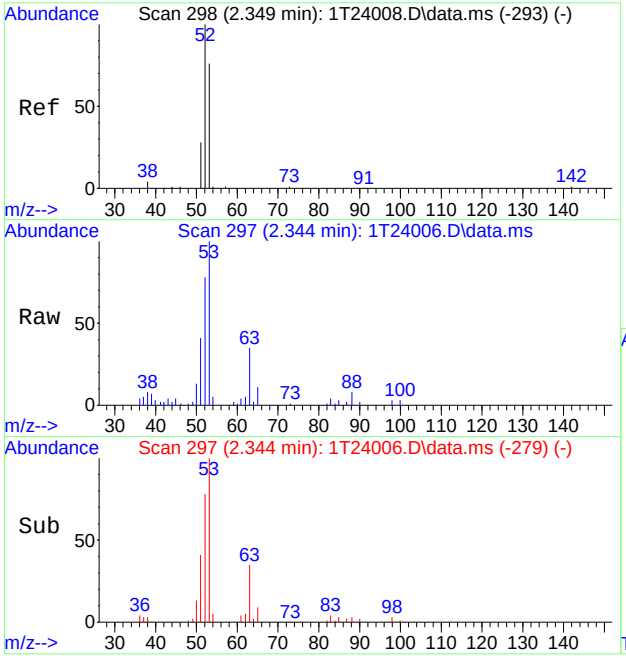


#31
chloroprene
Concen: 22.52 ug/L
RT: 2.302 min Scan# 289
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion: 53 Resp: 93813

Ion	Ratio	Lower	Upper
53	100		
88	60.3	29.5	89.5
90	18.8	0.0	49.7
51	32.1	0.7	60.7

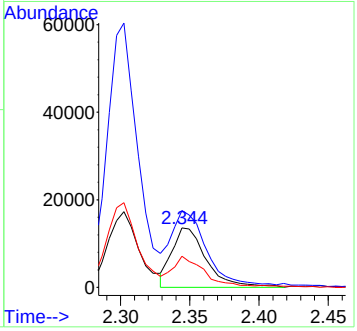


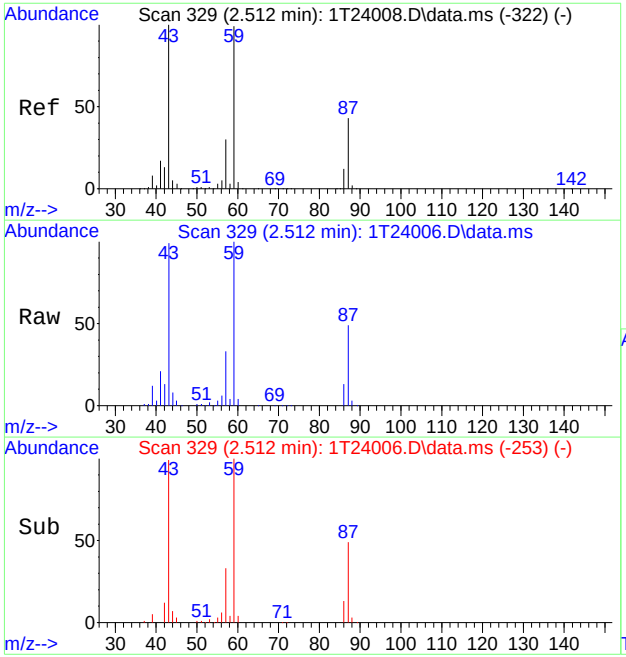


#32
acrylonitrile
Concen: 18.91 ug/L
RT: 2.344 min Scan# 297
Delta R.T. -0.005 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion: 52 Resp: 23578

Ion	Ratio	Lower	Upper
52	100		
53	122.2	96.8	156.8
51	50.3	14.4	74.4

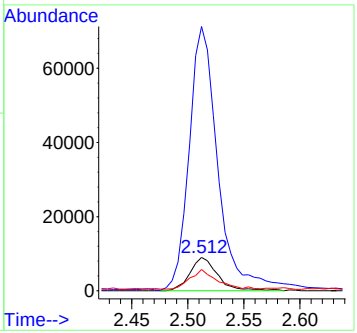


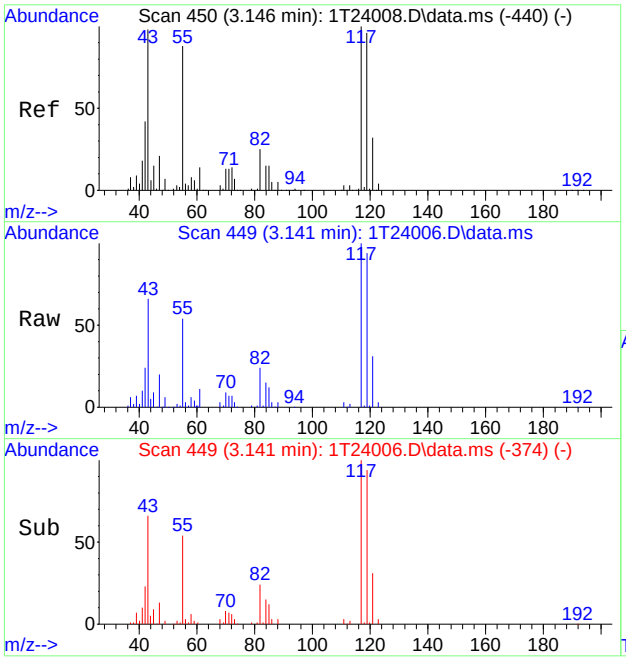


#33
vinyl acetate
Concen: 24.55 ug/L
RT: 2.512 min Scan# 329
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion: 86 Resp: 15431

Ion	Ratio	Lower	Upper
86	100		
43	786.0	805.6	865.6#
44	58.5	9.2	69.2

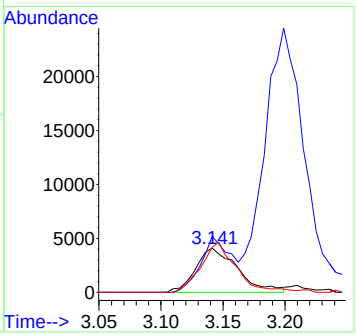


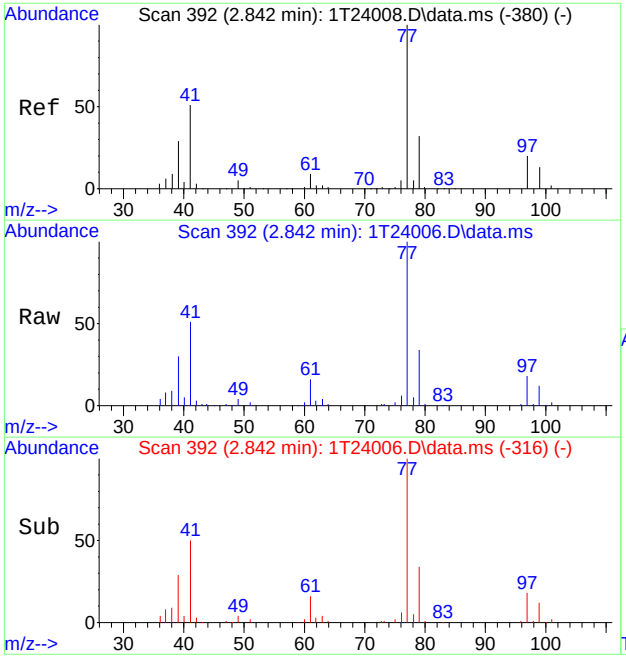


#34
ethyl acetate
Concen: 24.02 ug/L
RT: 3.141 min Scan# 449
Delta R.T. -0.005 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion: 70 Resp: 9743

Ion	Ratio	Lower	Upper
70	100		
61	125.9	81.1	141.1
45	101.6	86.0	146.0

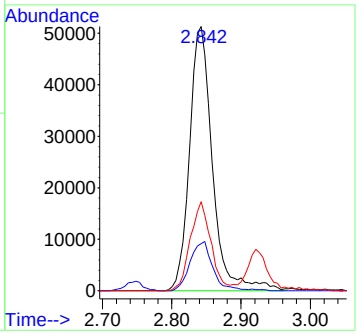


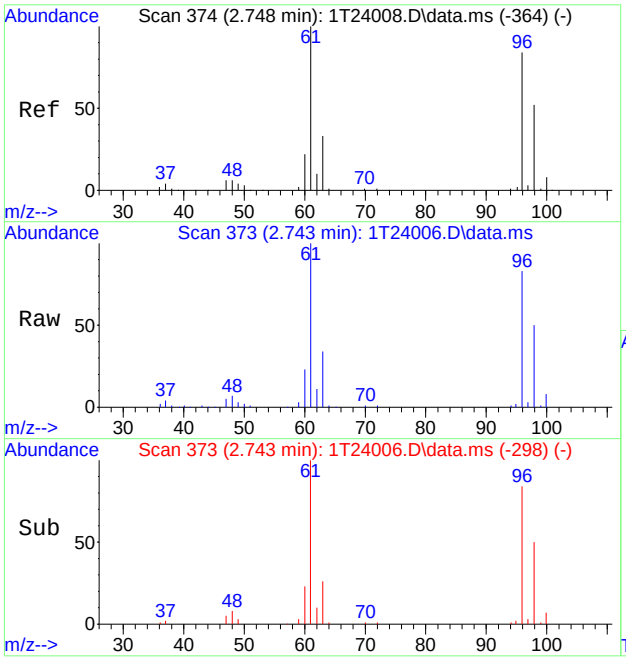


#35
2,2-dichloropropane
Concen: 23.85 ug/L
RT: 2.842 min Scan# 392
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion: 77 Resp: 118246

Ion	Ratio	Lower	Upper
77	100		
97	17.8	0.0	50.0
79	33.7	2.2	62.2

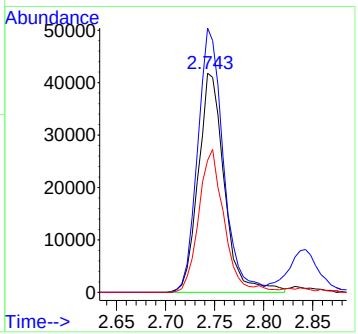


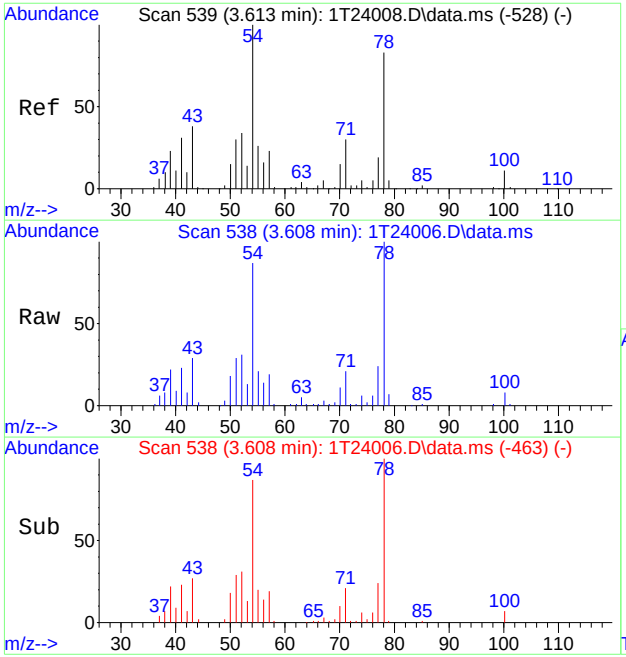


#36
cis-1,2-dichloroethene
Concen: 20.99 ug/L
RT: 2.743 min Scan# 373
Delta R.T. -0.005 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion: 96 Resp: 77455

Ion	Ratio	Lower	Upper
96	100		
61	120.6	89.4	149.4
98	60.2	32.0	92.0

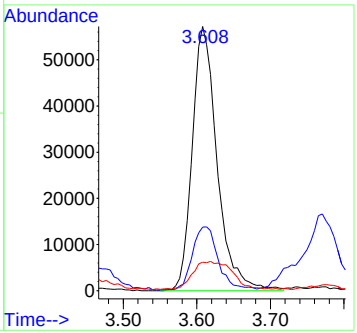


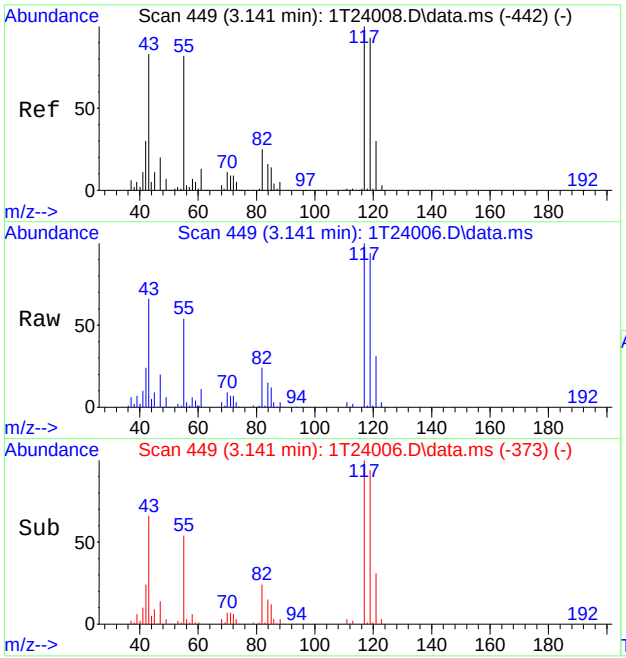


#37
propionitrile
Concen: 200.00 ug/L
RT: 3.608 min Scan# 538
Delta R.T. -0.005 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion: 54 Resp: 134517

Ion	Ratio	Lower	Upper
54	100		
55	23.7	0.0	55.9
40	10.2	0.0	41.2

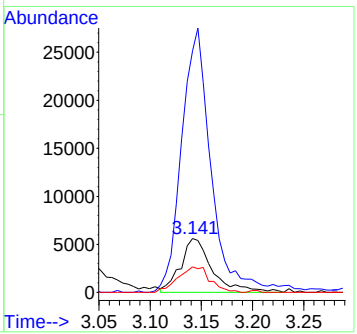


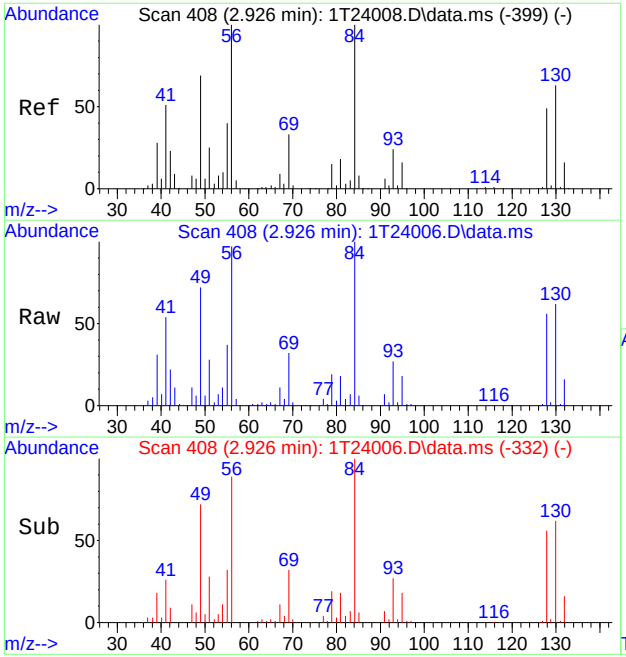


#38
methyl acrylate
Concen: 21.97 ug/L
RT: 3.141 min Scan# 449
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion: 85 Resp: 12105

Ion	Ratio	Lower	Upper
85	100		
55	436.9	512.8	552.8#
58	44.7	28.3	68.3

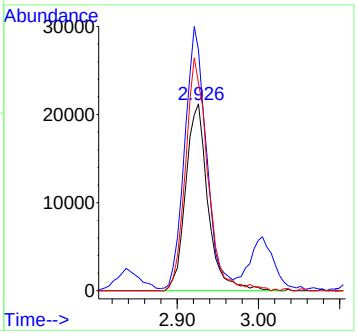


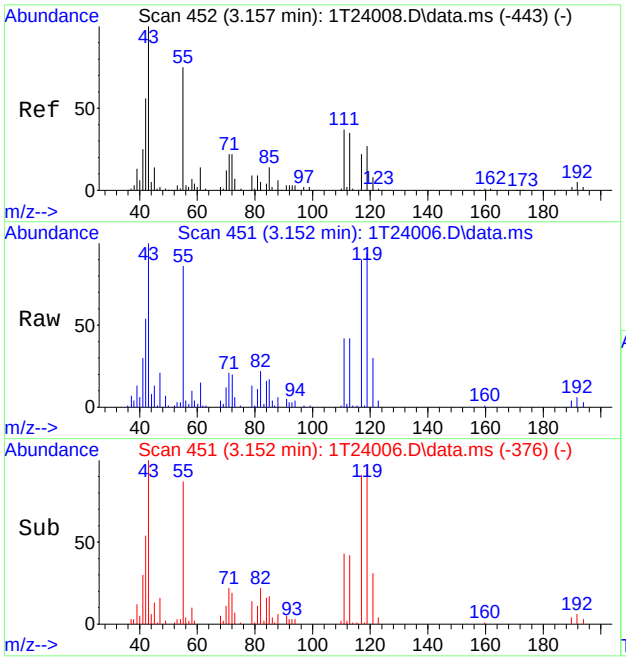


#39
bromochloromethane
Concen: 21.16 ug/L
RT: 2.926 min Scan# 408
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion:128 Resp: 40576

Ion	Ratio	Lower	Upper
128	100		
49	127.7	110.2	170.2
130	111.1	98.0	158.0

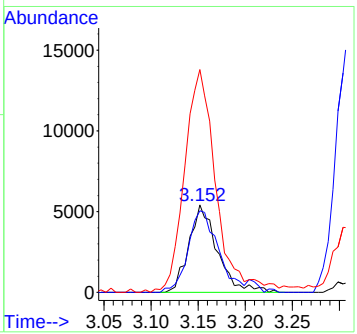


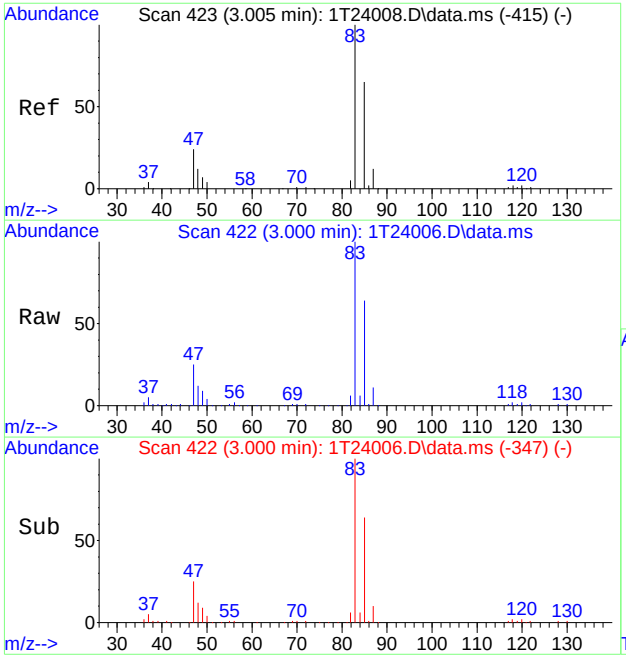


#40
tetrahydrofuran
Concen: 23.32 ug/L
RT: 3.152 min Scan# 451
Delta R.T. -0.005 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion: 71 Resp: 11381

Ion	Ratio	Lower	Upper
71	100		
72	93.1	71.2	131.2
42	251.3	227.1	287.1

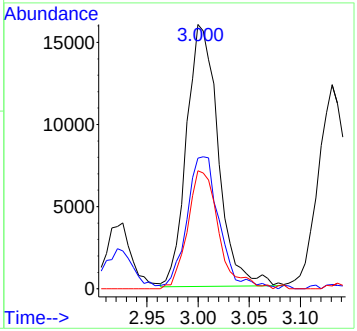


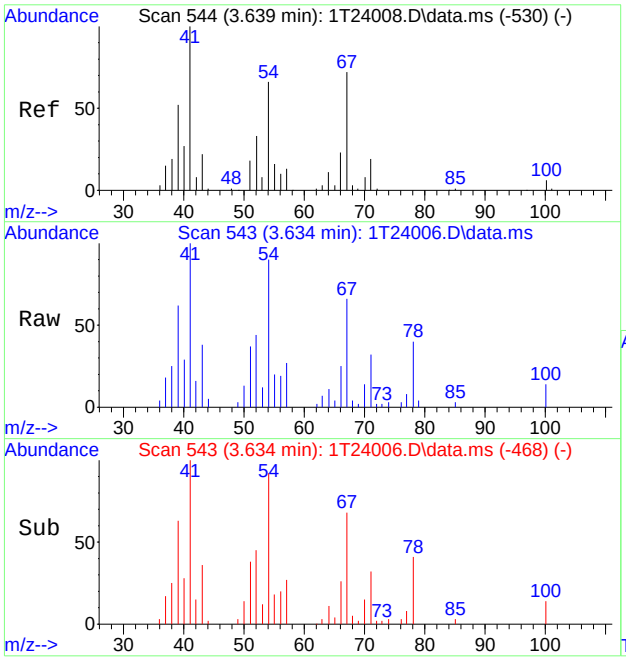


#41
chloroform
Concen: 18.58 ug/L
RT: 3.000 min Scan# 422
Delta R.T. -0.005 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion: 47 Resp: 34330

Ion	Ratio	Lower	Upper
47	100		
48	48.9	19.2	79.2
87	45.4	18.5	78.5

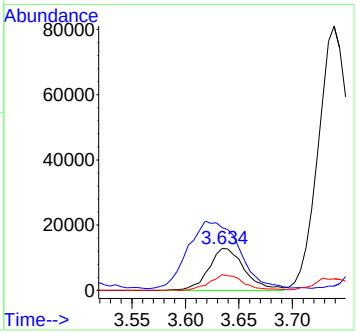


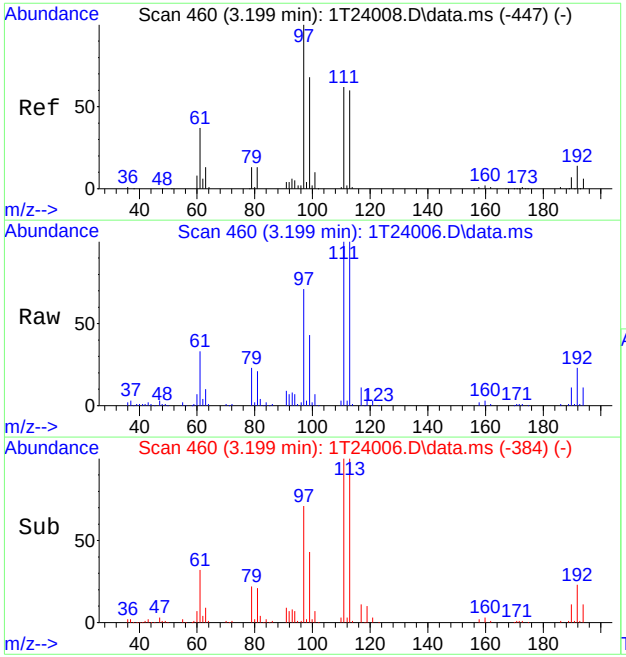


#43
methacrylonitrile
Concen: 21.87 ug/L
RT: 3.634 min Scan# 543
Delta R.T. -0.005 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion: 67 Resp: 29974

Ion	Ratio	Lower	Upper
67	100		
41	141.7	109.1	169.1
66	38.0	2.0	62.0

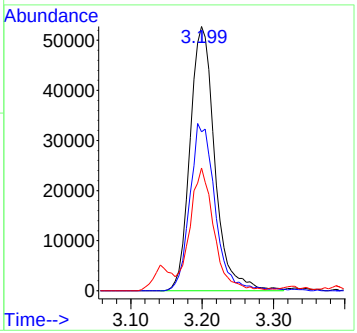


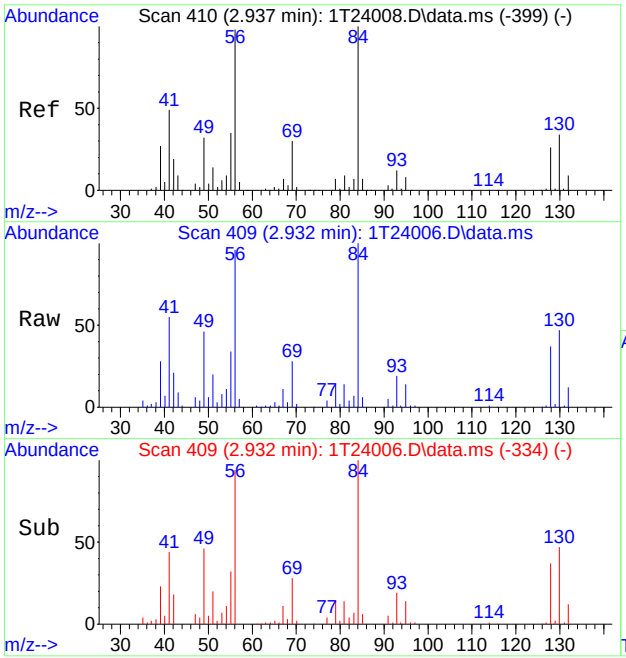


#44
1,1,1-trichloroethane
Concen: 22.54 ug/L
RT: 3.199 min Scan# 460
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion: 97 Resp: 127659

Ion	Ratio	Lower	Upper
97	100		
99	60.1	38.0	98.0
61	45.3	11.6	71.6

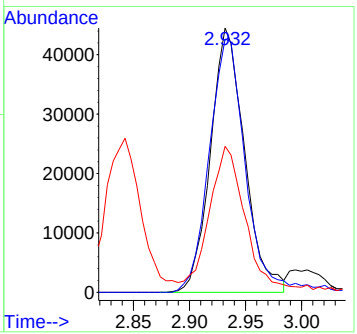


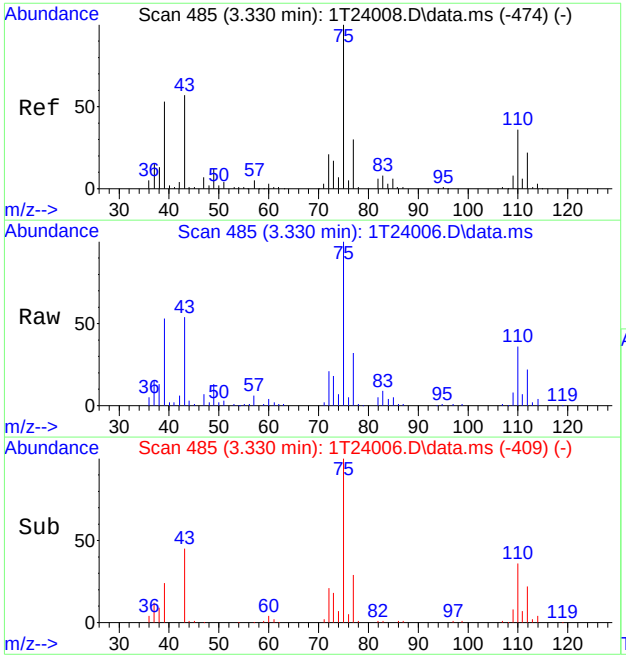


#45
cyclohexane
Concen: 24.03 ug/L
RT: 2.932 min Scan# 409
Delta R.T. -0.005 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion: 84 Resp: 94585

Ion	Ratio	Lower	Upper
84	100		
56	95.8	78.4	118.4
41	52.4	30.2	70.2

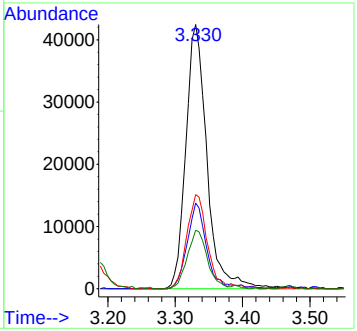


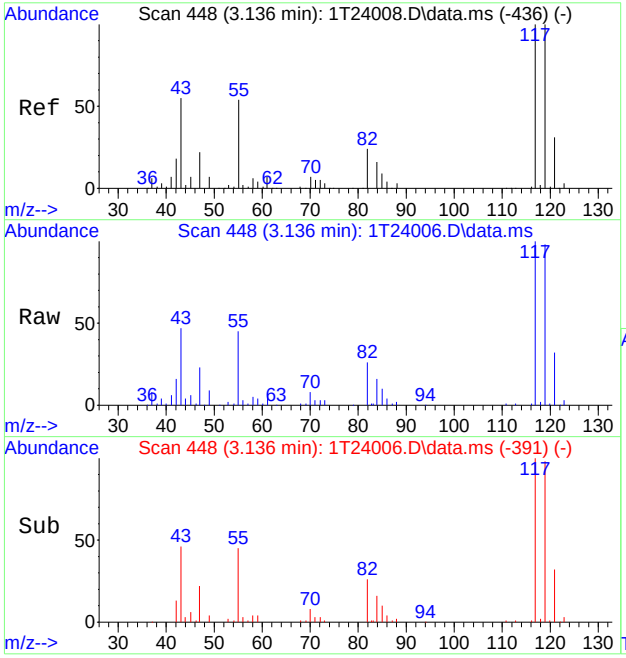


#46
1,1-dichloropropene
Concen: 25.18 ug/L
RT: 3.330 min Scan# 485
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion: 75 Resp: 92893

Ion	Ratio	Lower	Upper
75	100		
77	32.5	9.7	49.7
110	35.6	15.7	55.7
112	22.2	2.4	42.4

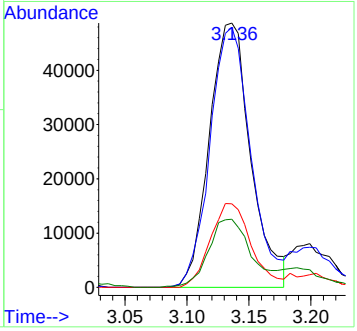


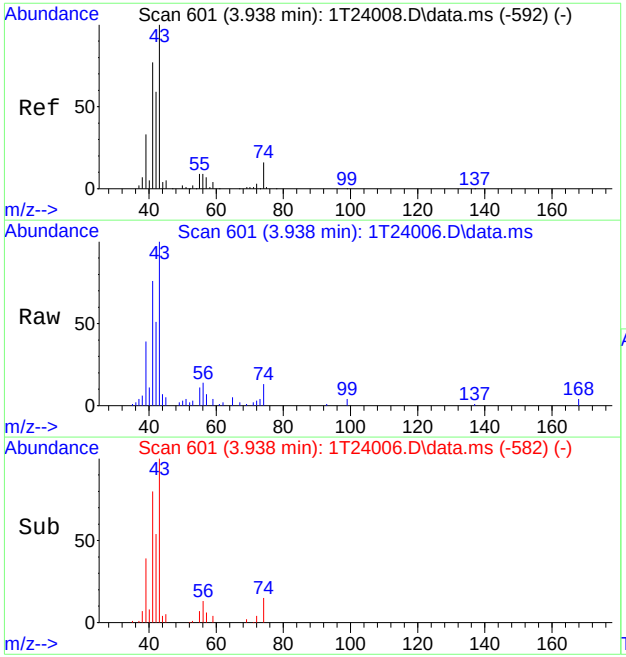


#47
carbon tetrachloride
Concen: 23.00 ug/L
RT: 3.136 min Scan# 448
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion:117 Resp: 113298

Ion	Ratio	Lower	Upper
117	100		
119	98.4	80.5	120.5
121	31.6	11.1	51.1
82	25.8	4.2	44.2

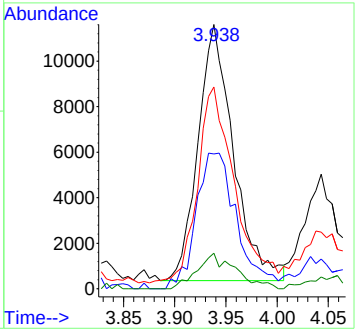


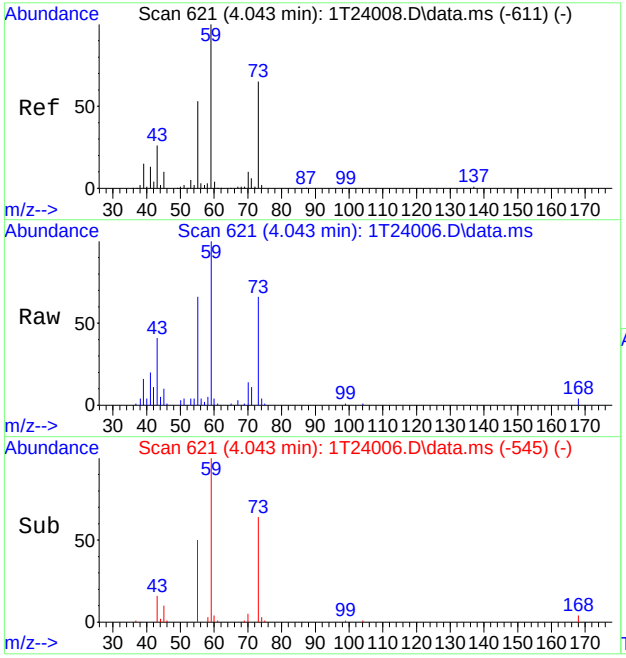


#48
isobutyl alcohol
Concen: 199.45 ug/L
RT: 3.938 min Scan# 601
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion: 43 Resp: 27138

Ion	Ratio	Lower	Upper
43	100		
42	52.7	39.1	79.1
41	75.4	57.3	97.3
74	13.9	0.0	35.9

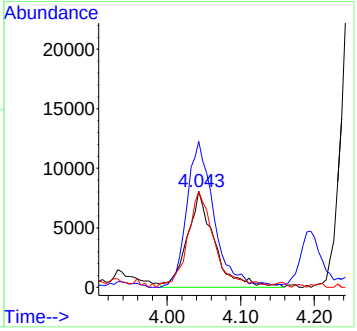


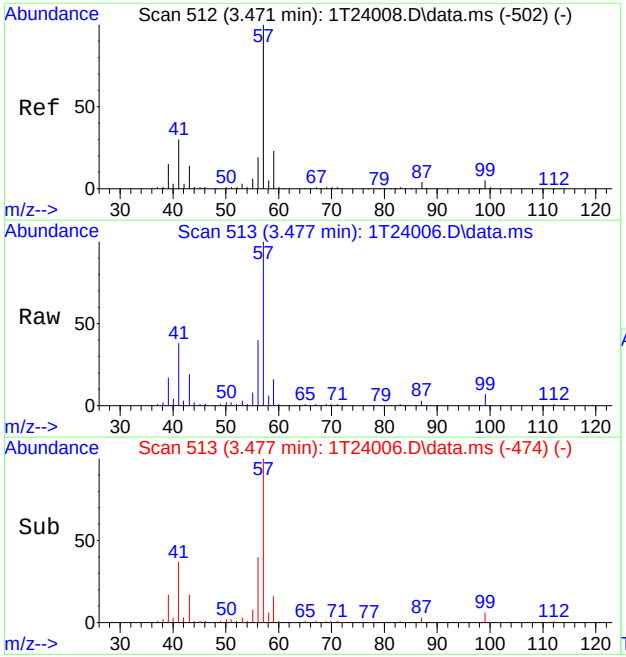


#49
tert-amyl alcohol
Concen: 113.94 ug/L
RT: 4.043 min Scan# 621
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion: 55 Resp: 20553

Ion	Ratio	Lower	Upper
55	100		
59	151.6	167.3	207.3#
73	95.1	102.0	142.0#

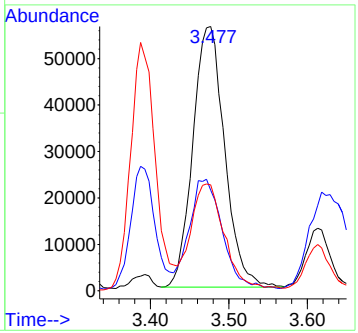


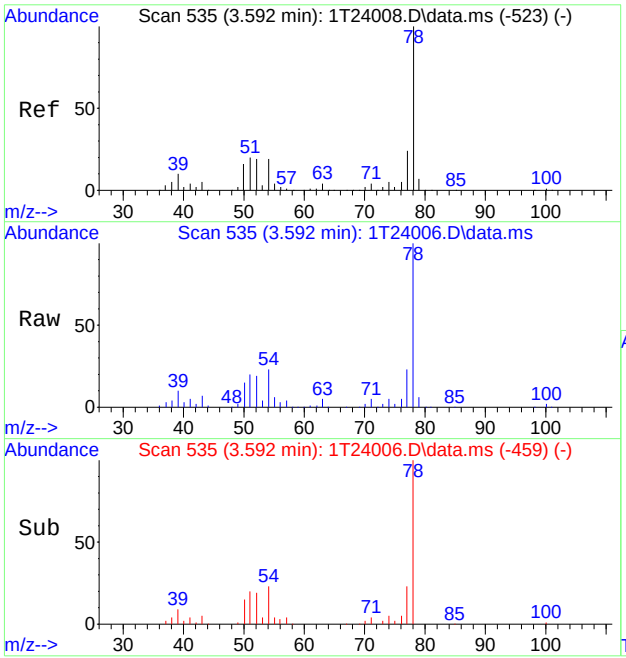


#52
iso-octane
Concen: 23.76 ug/L
RT: 3.477 min Scan# 513
Delta R.T. 0.006 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion: 57 Resp: 158122

Ion	Ratio	Lower	Upper
57	100		
41	37.2	17.8	57.8
56	39.7	15.2	55.2

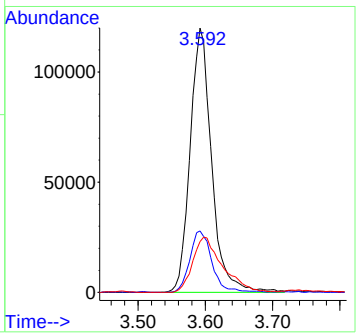


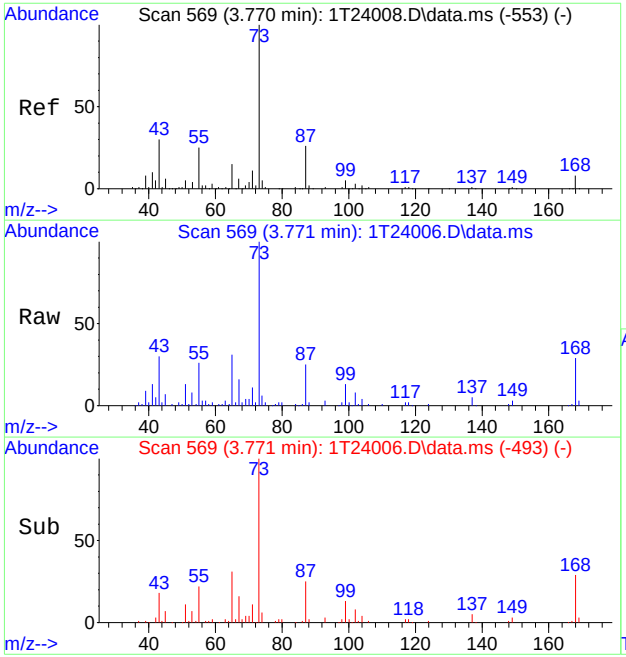


#53
benzene
Concen: 22.02 ug/L
RT: 3.592 min Scan# 535
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion: 78 Resp: 266607

Ion	Ratio	Lower	Upper
78	100		
77	23.2	0.0	54.3
52	19.2	0.0	48.8

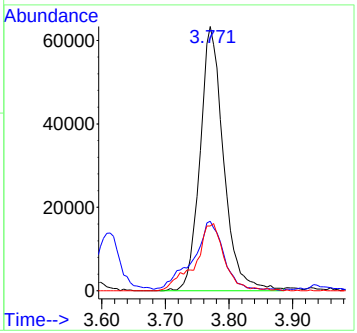


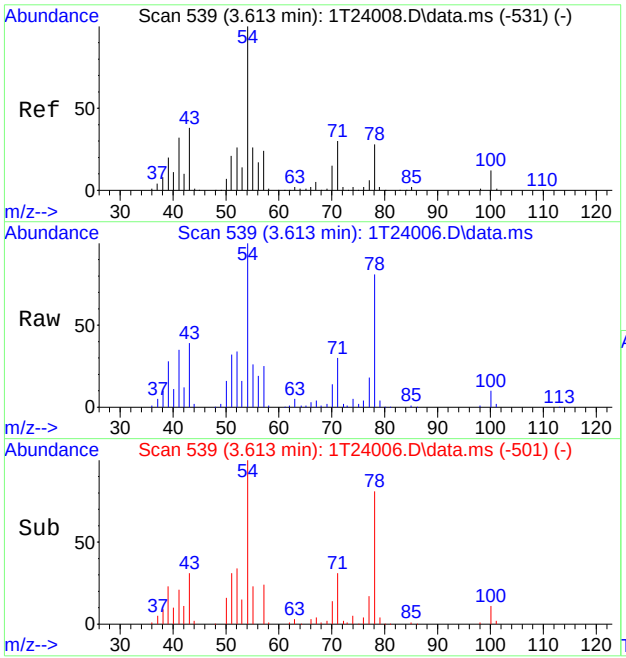


#54
tert-amyl methyl ether
Concen: 20.89 ug/L
RT: 3.771 min Scan# 569
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion: 73 Resp: 162869

Ion	Ratio	Lower	Upper
73	100		
55	26.0	5.6	45.6
87	24.5	6.1	46.1

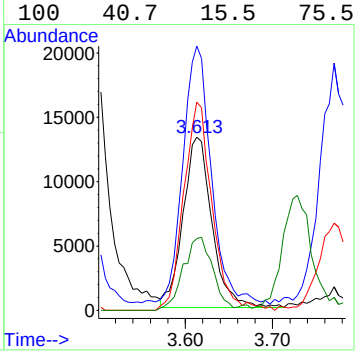


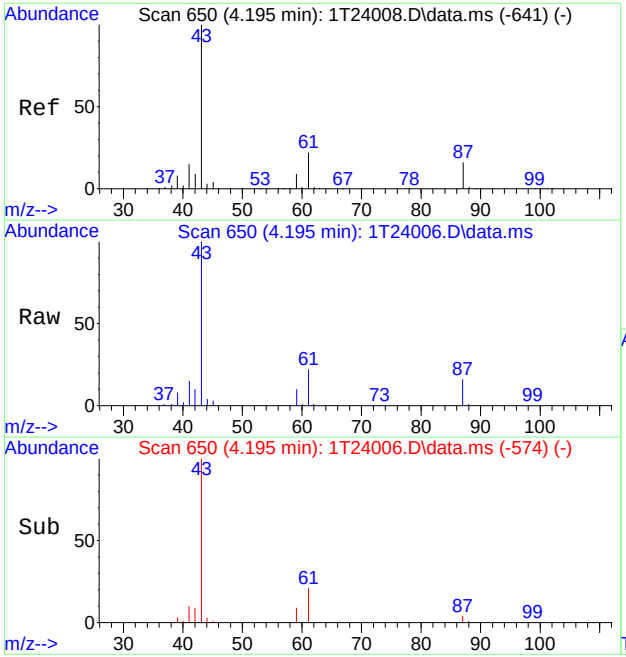


#55
heptane
Concen: 23.32 ug/L
RT: 3.613 min Scan# 539
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion: 57 Resp: 30588

Ion	Ratio	Lower	Upper
57	100		
43	148.9	120.9	180.9
71	120.2	89.7	149.7
100	40.7	15.5	75.5

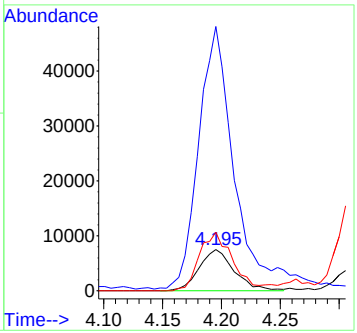


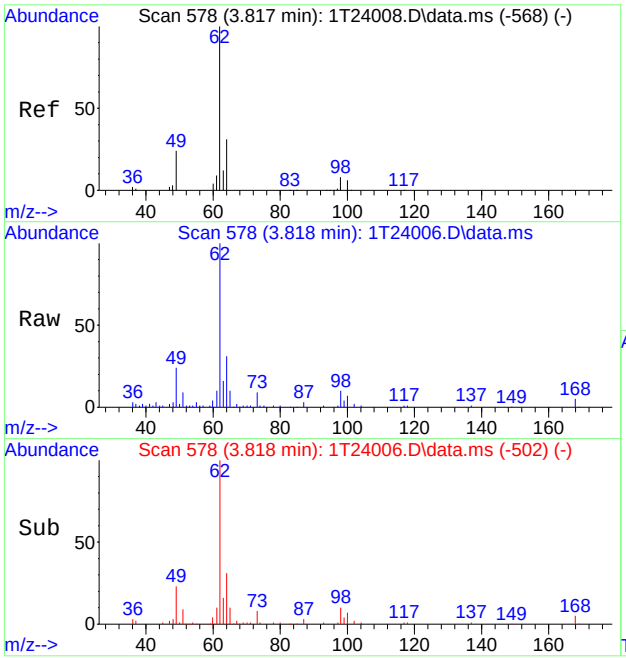


#56
isopropyl acetate
Concen: 21.37 ug/L
RT: 4.195 min Scan# 650
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion: 87 Resp: 15632

Ion	Ratio	Lower	Upper
87	100		
43	632.0	606.7	666.7
61	141.9	109.0	169.0

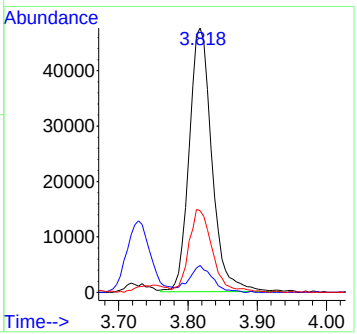


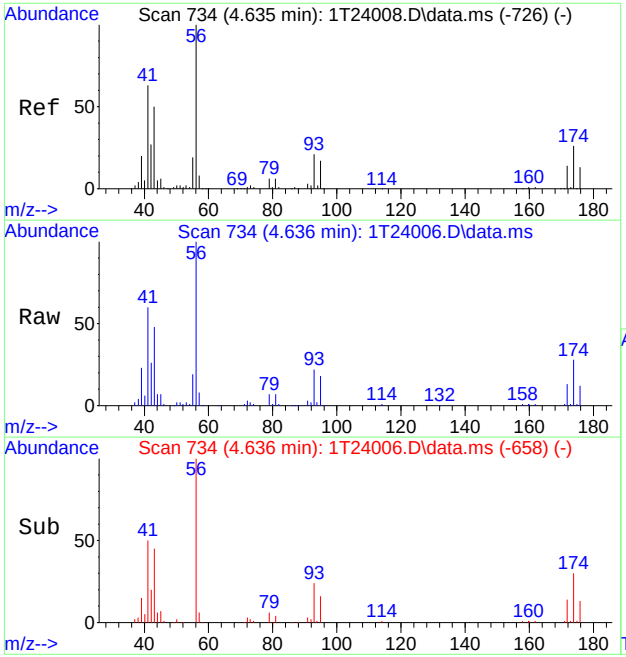


#57
1,2-dichloroethane
Concen: 19.50 ug/L
RT: 3.818 min Scan# 578
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion: 62 Resp: 108373

Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	39.3
64	31.0	1.8	61.8

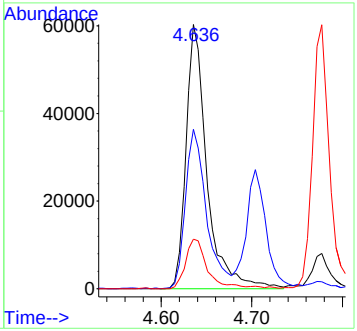


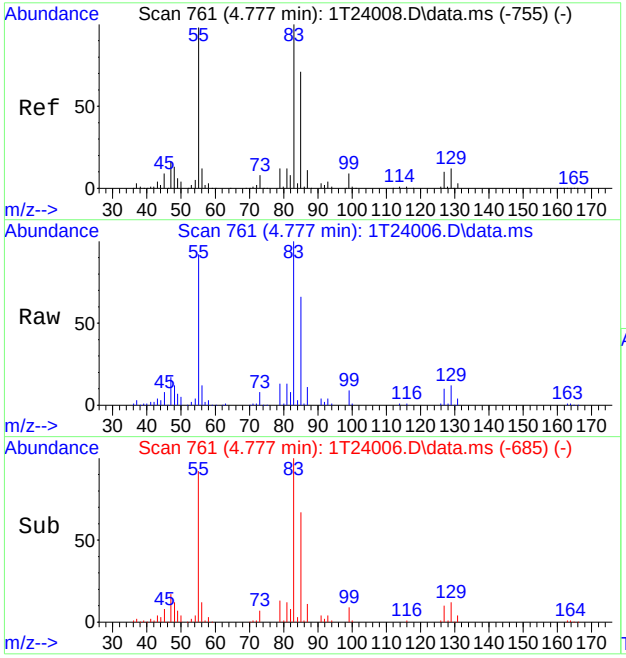


#58
n-butyl alcohol
Concen: 916.42 ug/L
RT: 4.636 min Scan# 734
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion: 56 Resp: 96960

Ion	Ratio	Lower	Upper
56	100		
41	60.4	42.6	82.6
55	18.7	0.0	38.9

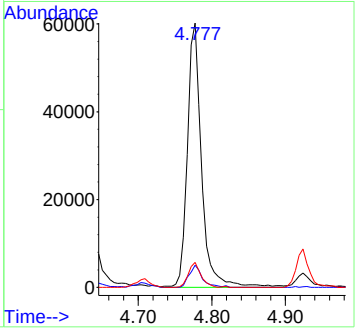


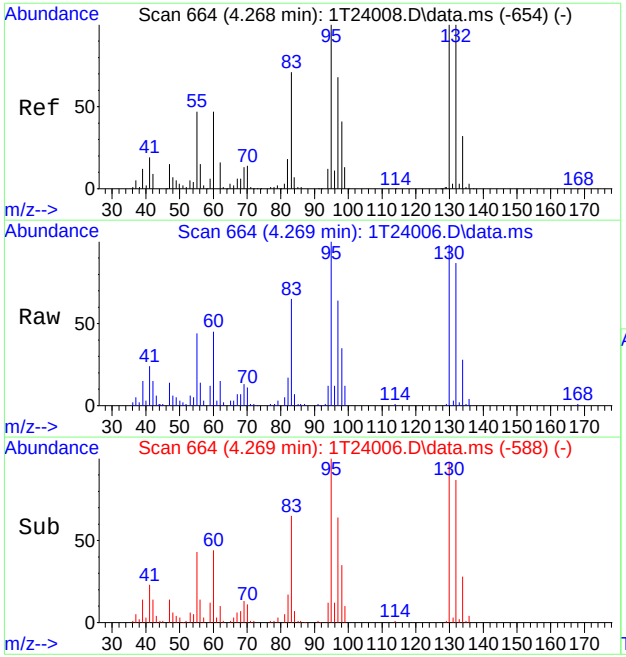


#59
ethyl acrylate
Concen: 22.50 ug/L
RT: 4.777 min Scan# 761
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion: 55 Resp: 81065

Ion	Ratio	Lower	Upper
55	100		
73	8.4	0.0	37.8
99	9.5	0.0	39.3

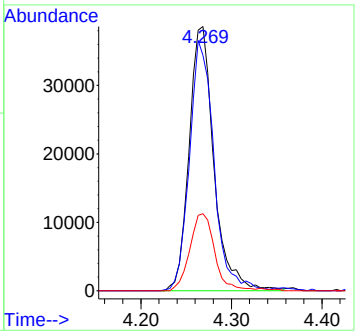


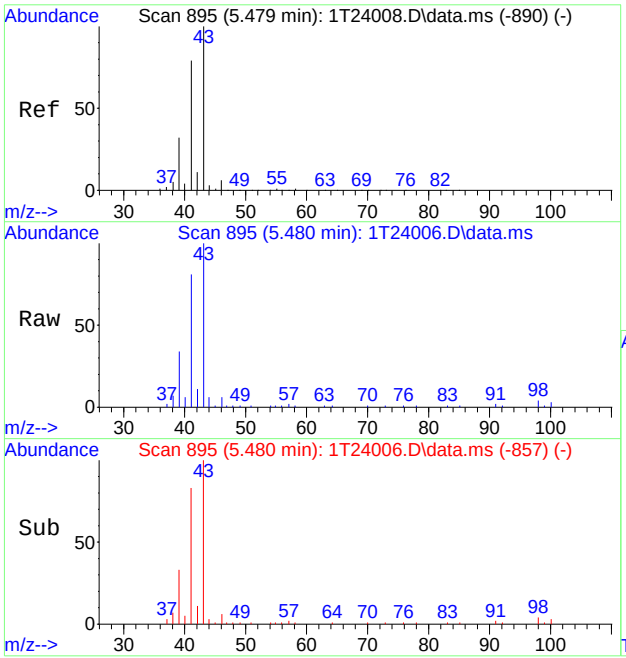


#60
trichloroethene
Concen: 23.35 ug/L
RT: 4.269 min Scan# 664
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion:130 Resp: 73470

Ion	Ratio	Lower	Upper
130	100		
132	89.0	69.8	129.8
134	29.1	2.3	62.3

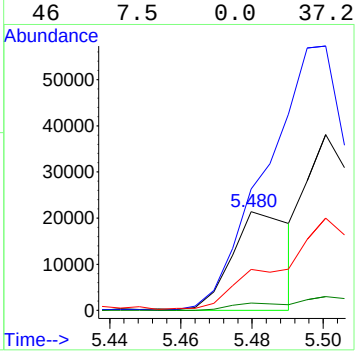


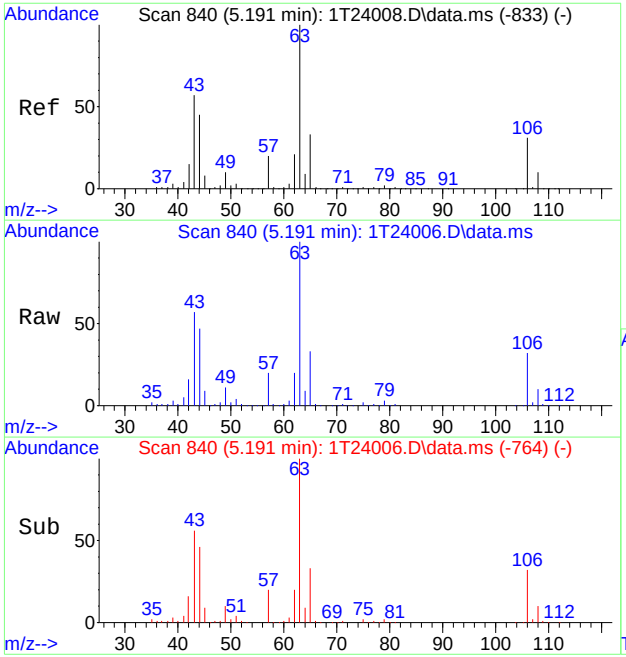


#61
2-nitropropane
Concen: 22.44 ug/L m
RT: 5.480 min Scan# 895
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion: 41 Resp: 24260

Ion	Ratio	Lower	Upper
41	100		
43	123.0	96.2	156.2
39	41.5	11.9	71.9
46	7.5	0.0	37.2

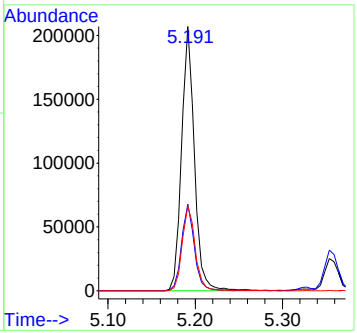


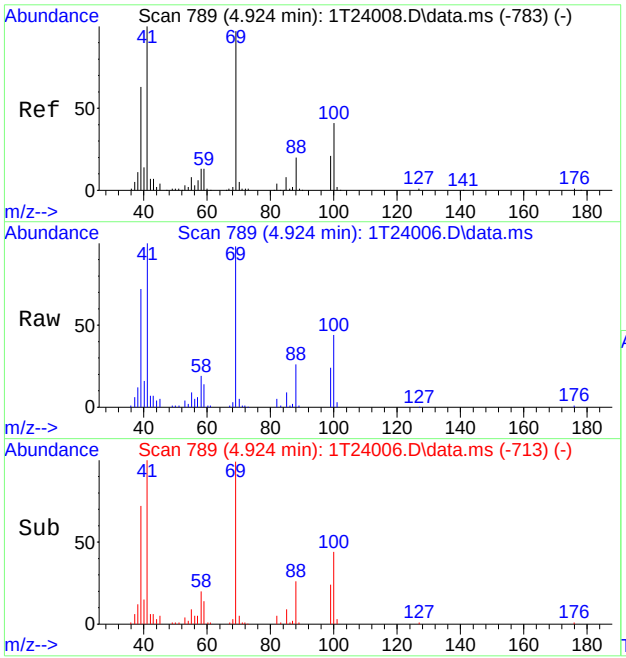


#62
2-chloroethyl vinyl ether
Concen: 120.47 ug/L
RT: 5.191 min Scan# 840
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion: 63 Resp: 211946

Ion	Ratio	Lower	Upper
63	100		
65	32.8	2.7	62.7
106	32.1	0.6	60.6

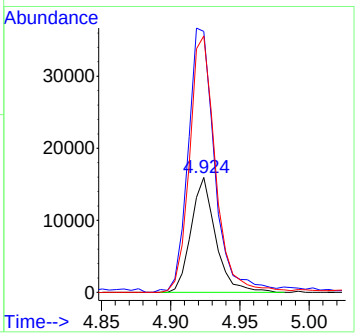


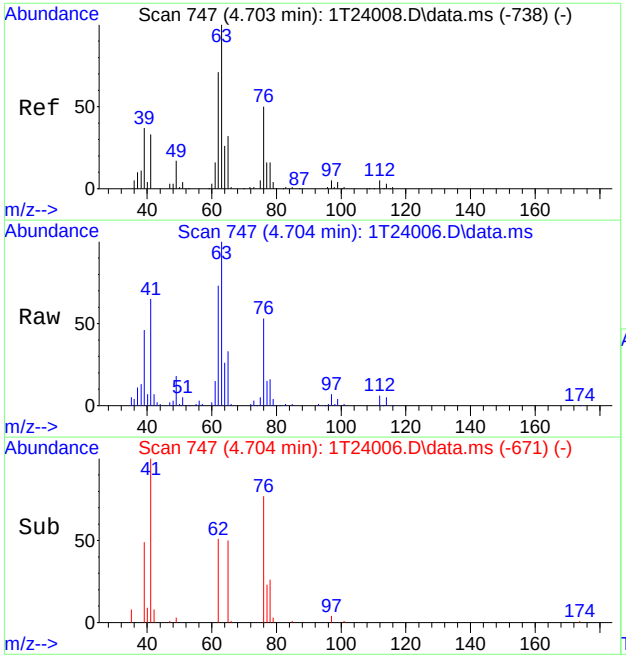


#63
methyl methacrylate
Concen: 22.28 ug/L
RT: 4.924 min Scan# 789
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion:100 Resp: 19741

Ion	Ratio	Lower	Upper
100	100		
41	224.6	214.5	274.5
69	223.2	207.6	267.6

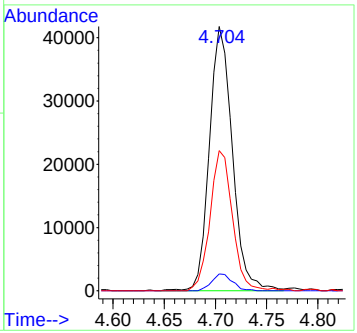


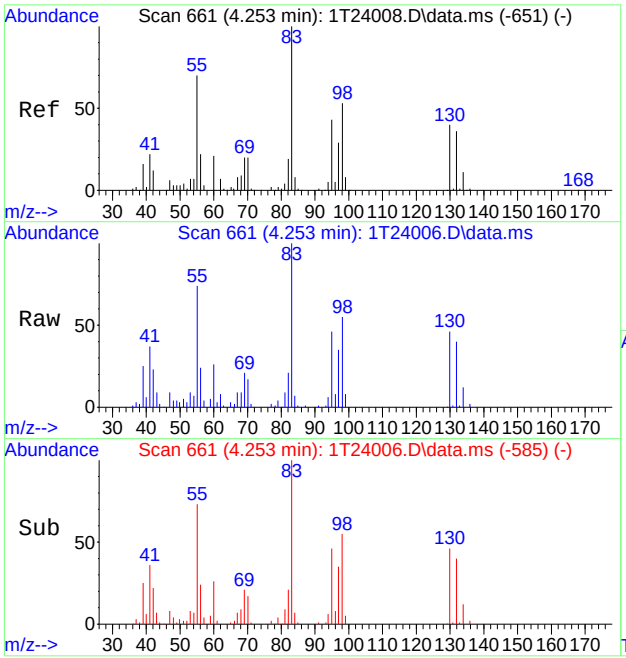


#64
1,2-dichloropropane
Concen: 21.00 ug/L
RT: 4.704 min Scan# 747
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion: 63 Resp: 65234

Ion	Ratio	Lower	Upper
63	100		
112	6.3	0.0	34.7
76	53.0	20.1	80.1

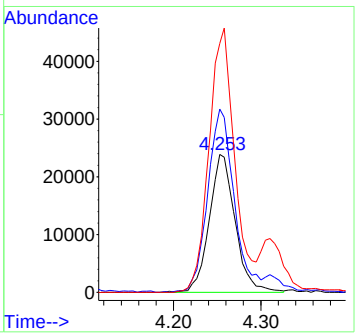


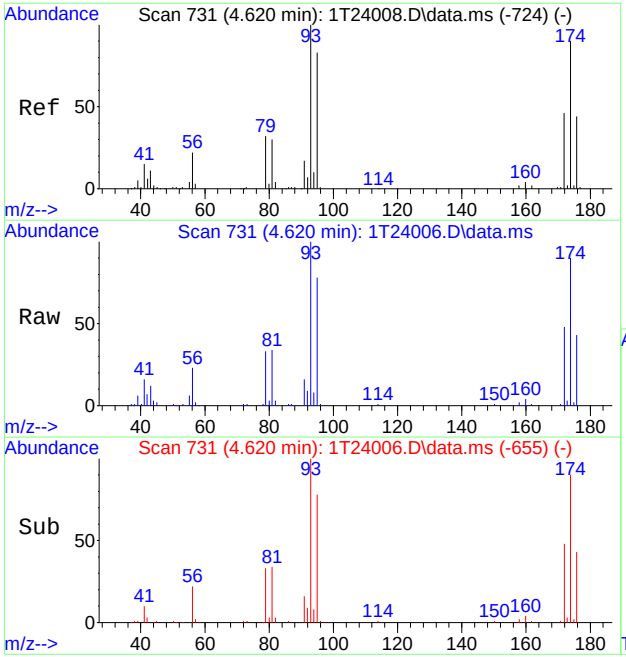


#65
methylcyclohexane
Concen: 22.96 ug/L
RT: 4.253 min Scan# 661
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion: 98 Resp: 49296

Ion	Ratio	Lower	Upper
98	100		
55	132.8	102.6	162.6
83	180.2	188.2	188.2#

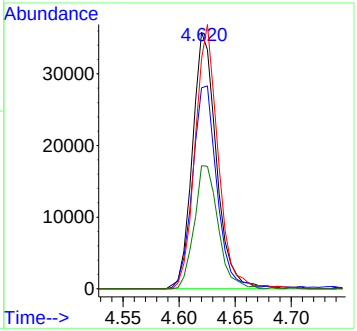


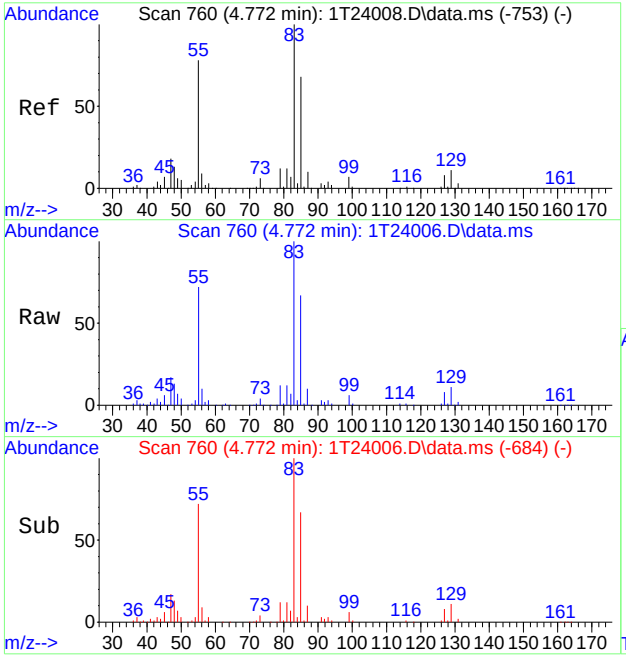


#66
dibromomethane
Concen: 19.31 ug/L
RT: 4.620 min Scan# 731
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion: 93 Resp: 53228

Ion	Ratio	Lower	Upper
93	100		
95	78.3	53.3	113.3
174	89.7	59.6	119.6
172	48.0	26.5	66.5

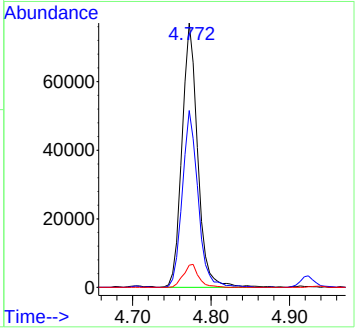


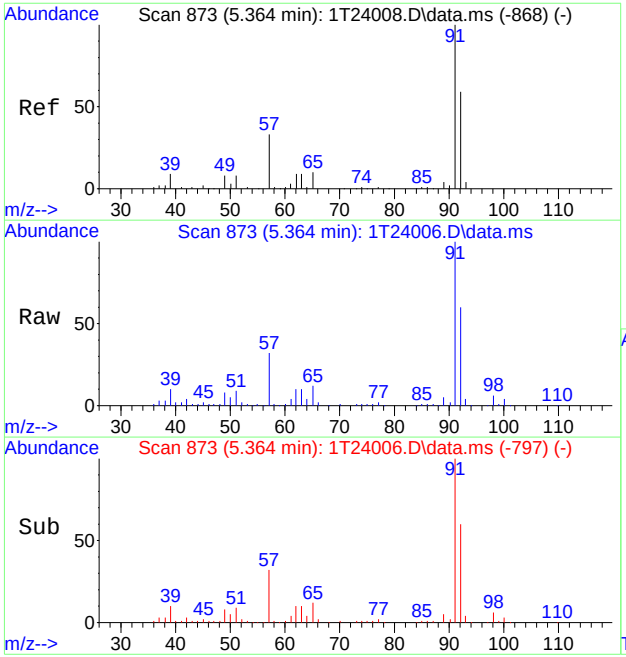


#67
bromodichloromethane
Concen: 21.62 ug/L
RT: 4.772 min Scan# 760
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion: 83 Resp: 107303

Ion	Ratio	Lower	Upper
83	100		
85	66.9	38.0	98.0
127	8.4	0.0	38.3

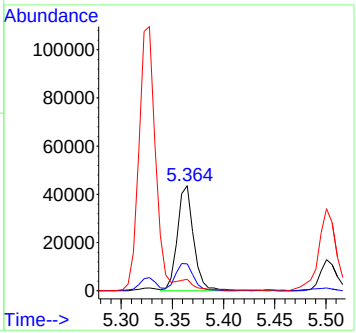


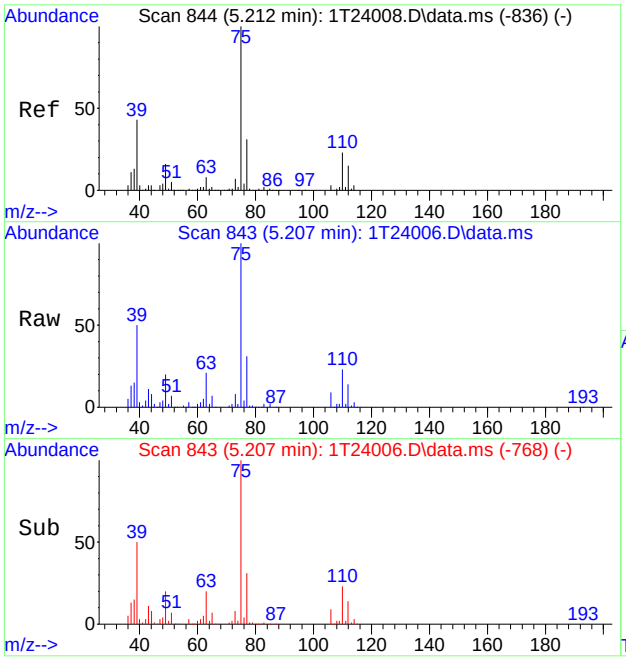


#68
epichlorohydrin
Concen: 107.40 ug/L
RT: 5.364 min Scan# 873
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion: 57 Resp: 47987

Ion	Ratio	Lower	Upper
57	100		
49	25.7	5.6	45.6
42	10.2	0.0	29.5

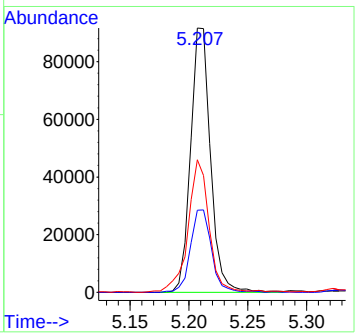


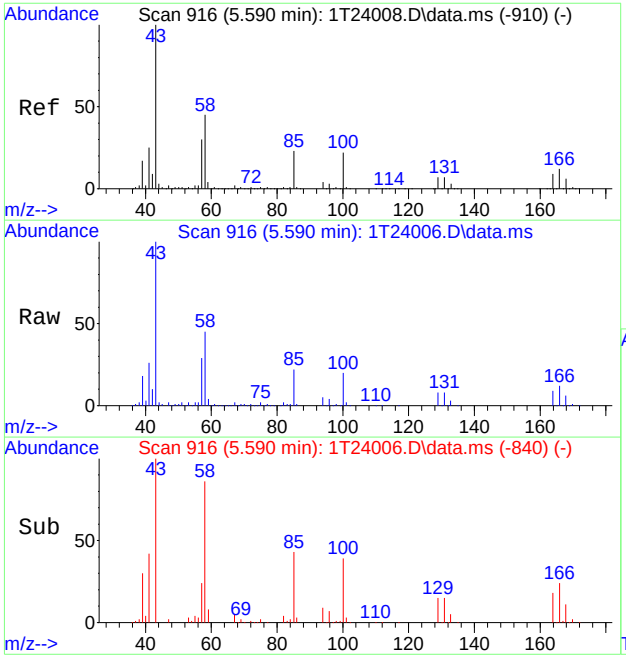


#69
cis-1,3-dichloropropene
Concen: 24.42 ug/L
RT: 5.207 min Scan# 843
Delta R.T. -0.005 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion: 75 Resp: 108548

Ion	Ratio	Lower	Upper
75	100		
77	31.1	1.4	61.4
39	49.8	13.3	73.3

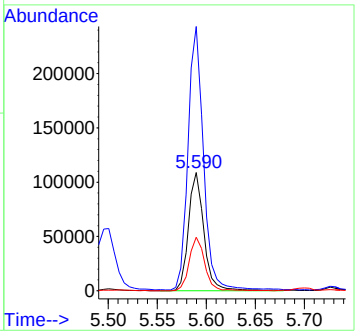


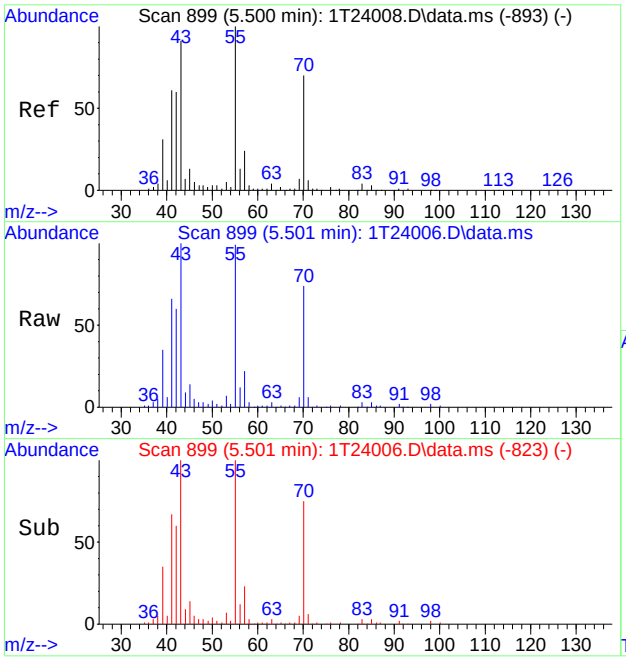


#70
4-methyl-2-pentanone
Concen: 89.76 ug/L
RT: 5.590 min Scan# 916
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion: 58 Resp: 119876

Ion	Ratio	Lower	Upper
58	100		
43	222.3	192.2	252.2
100	45.2	18.2	78.2

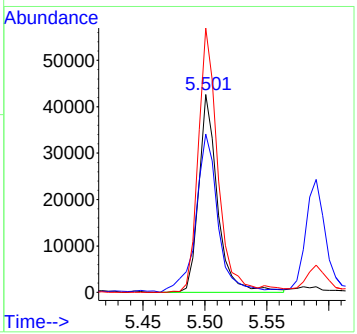




#71
3-methyl-1-butanol
Concen: 394.11 ug/L
RT: 5.501 min Scan# 899
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

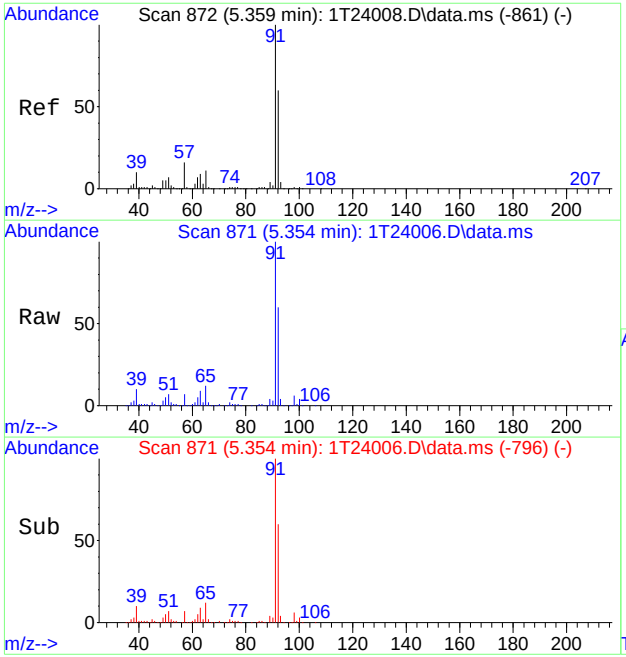
Tgt Ion: 70 Resp: 45130

Ion	Ratio	Lower	Upper
70	100		
42	80.0	54.9	114.9
55	133.7	112.0	172.0



7.6.21

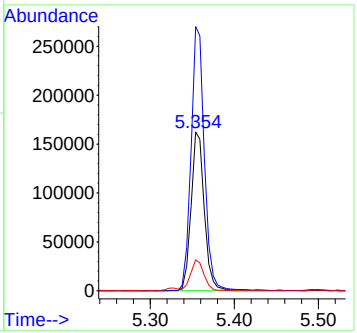
7

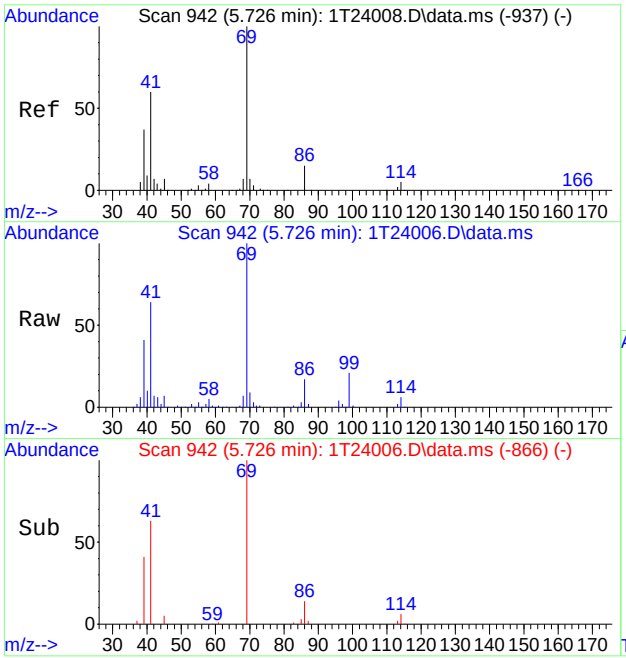


#74
toluene
Concen: 20.41 ug/L
RT: 5.354 min Scan# 871
Delta R.T. -0.005 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion: 92 Resp: 178392

Ion	Ratio	Lower	Upper
92	100		
91	166.5	147.9	187.9
65	19.6	0.0	38.0

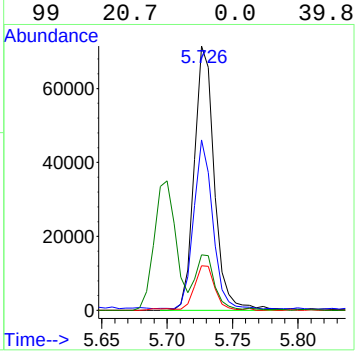


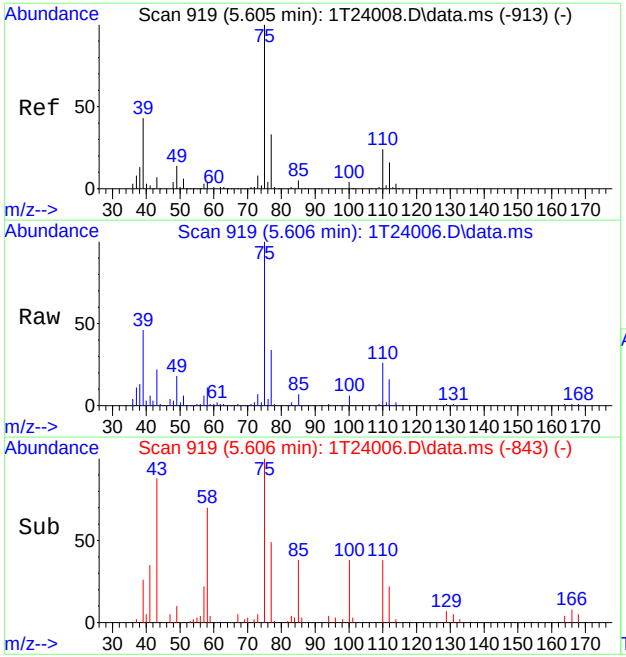


#75
ethyl methacrylate
Concen: 21.79 ug/L
RT: 5.726 min Scan# 942
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion: 69 Resp: 76685

Ion	Ratio	Lower	Upper
69	100		
41	63.8	40.2	80.2
86	16.9	0.0	35.4
99	20.7	0.0	39.8

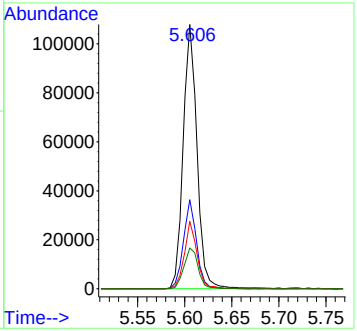


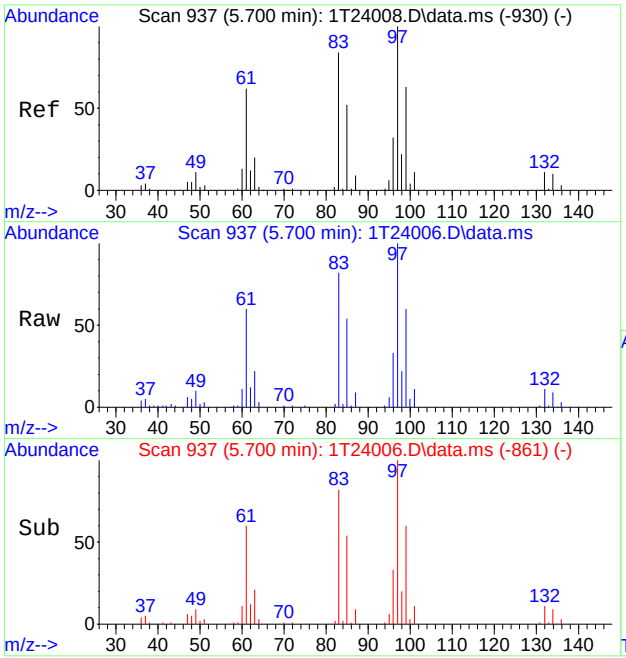


#76
trans-1,3-dichloropropene
Concen: 22.88 ug/L
RT: 5.606 min Scan# 919
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion: 75 Resp: 110605

Ion	Ratio	Lower	Upper
75	100		
77	33.7	12.7	52.7
110	25.6	4.1	44.1
112	15.5	0.0	35.6

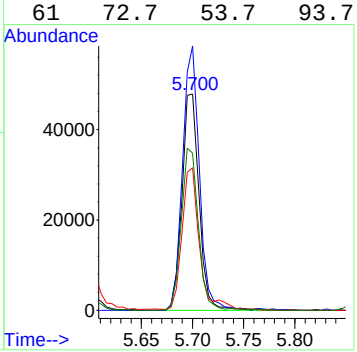


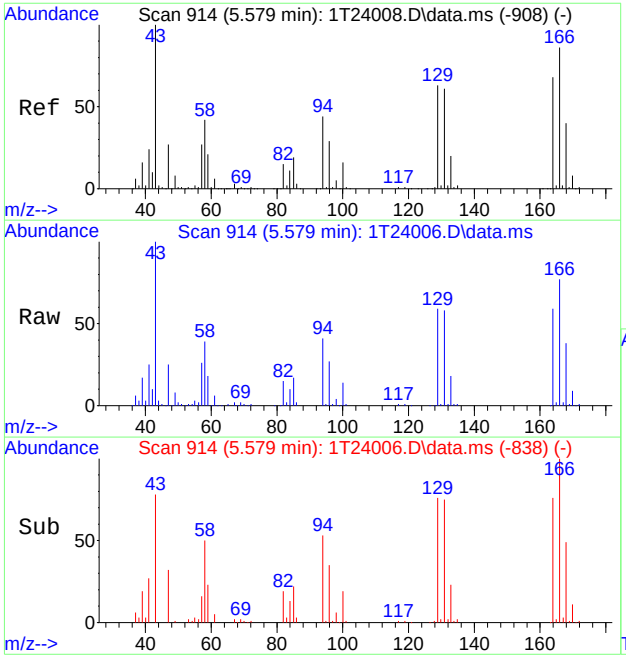


#77
1,1,2-trichloroethane
Concen: 22.26 ug/L
RT: 5.700 min Scan# 937
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion: 83 Resp: 55695

Ion	Ratio	Lower	Upper
83	100		
97	122.2	98.8	138.8
85	65.9	41.6	81.6
61	72.7	53.7	93.7

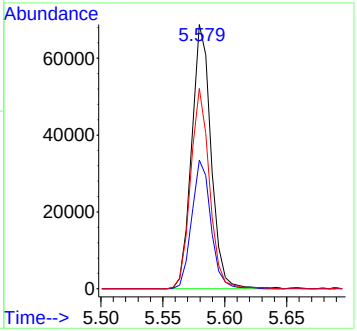


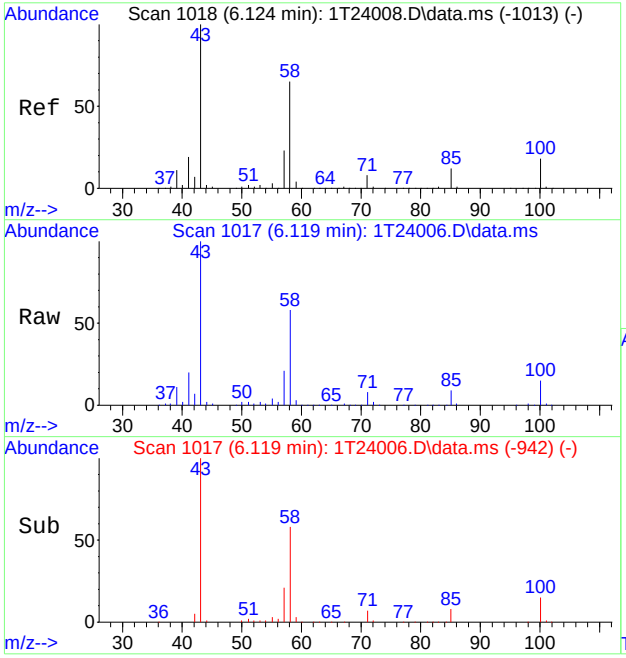


#78
tetrachloroethene
Concen: 20.88 ug/L
RT: 5.579 min Scan# 914
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion:166 Resp: 75205

Ion	Ratio	Lower	Upper
166	100		
168	48.6	16.8	76.8
129	75.8	43.9	103.9

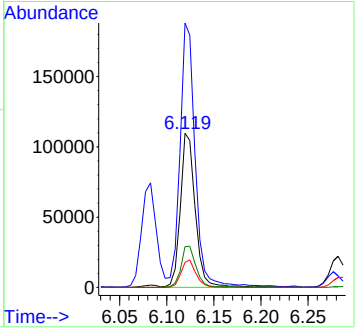


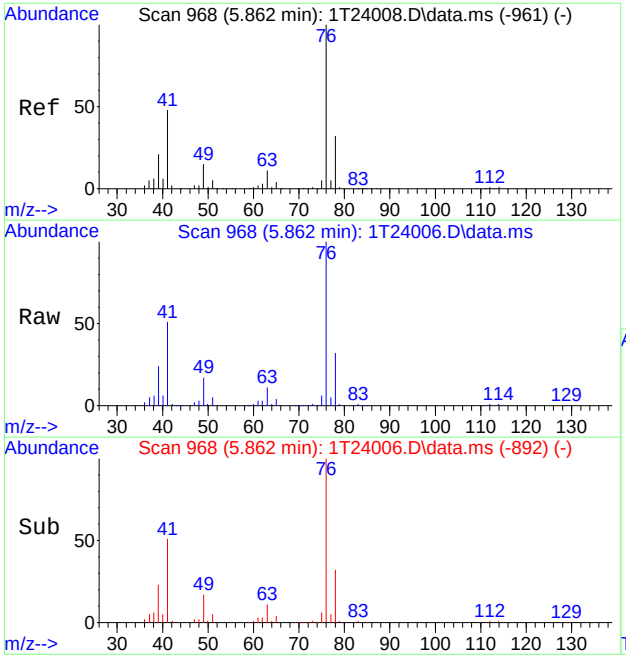


#79
2-hexanone
Concen: 96.39 ug/L
RT: 6.119 min Scan# 1017
Delta R.T. -0.005 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion: 58 Resp: 121651

Ion	Ratio	Lower	Upper
58	100		
43	171.1	139.1	179.1
85	16.2	0.0	38.1
100	26.3	7.8	47.8

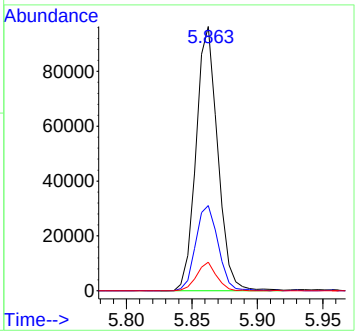


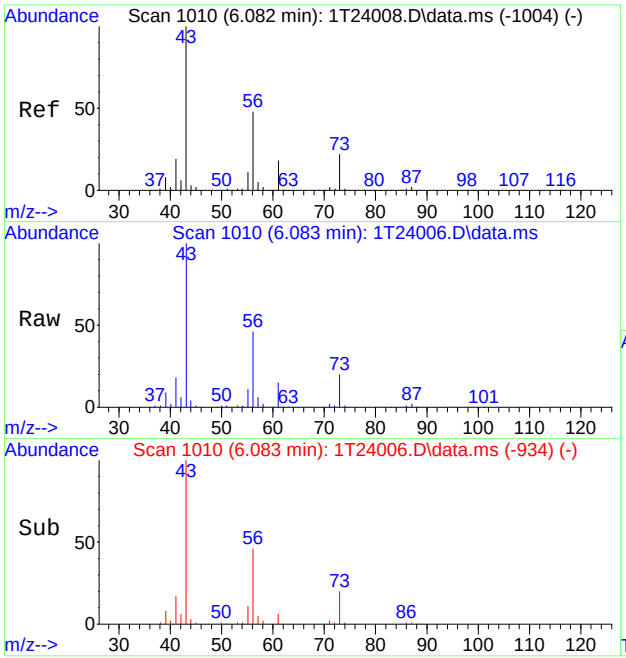


#80
1,3-dichloropropane
Concen: 21.65 ug/L
RT: 5.862 min Scan# 968
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion: 76 Resp: 111134

Ion	Ratio	Lower	Upper
76	100		
78	32.3	2.1	62.1
63	10.9	0.0	40.7

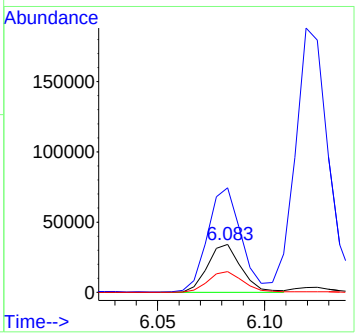


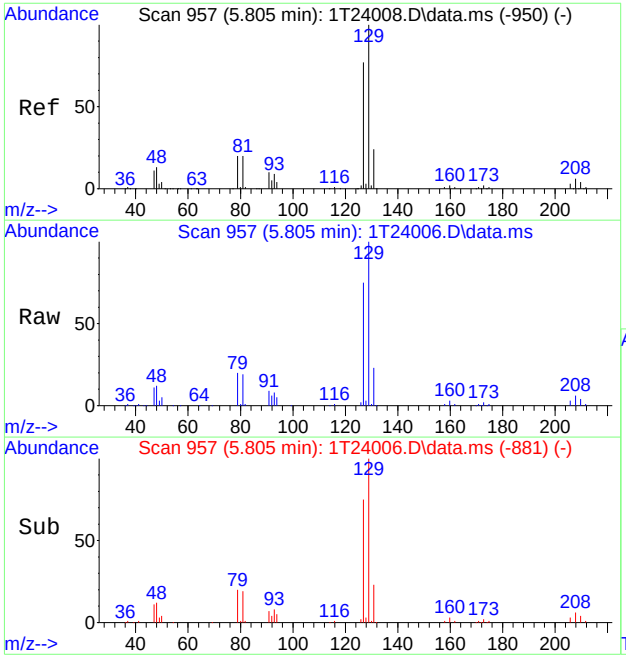


#81
butyl acetate
Concen: 22.25 ug/L
RT: 6.083 min Scan# 1010
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion: 56 Resp: 37568

Ion	Ratio	Lower	Upper
56	100		
43	217.2	177.8	237.8
73	43.2	16.2	76.2

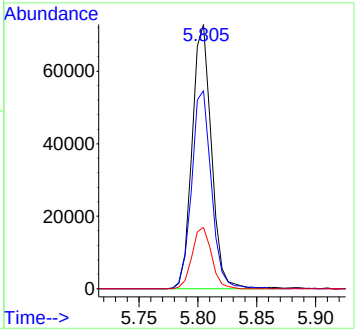


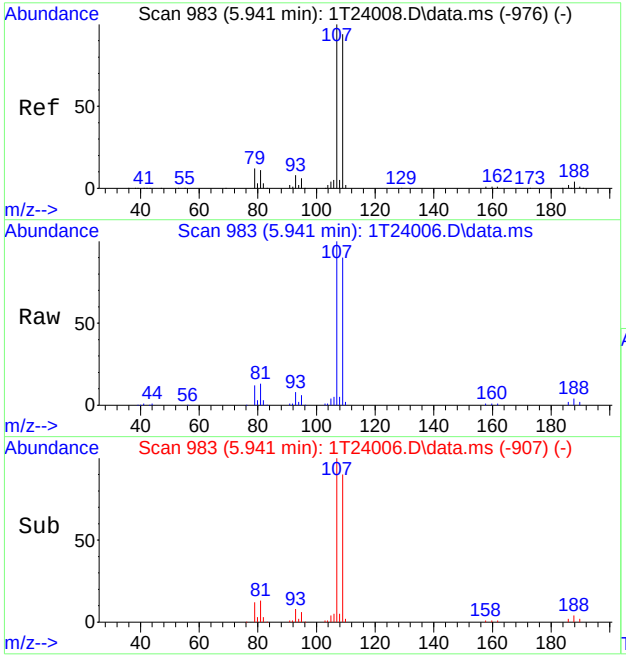


#82
dibromochloromethane
Concen: 21.99 ug/L
RT: 5.805 min Scan# 957
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion:129 Resp: 83638

Ion	Ratio	Lower	Upper
129	100		
127	75.0	47.5	107.5
131	23.3	0.0	54.1

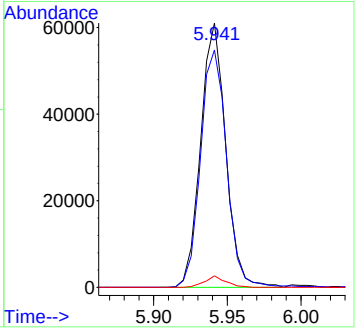


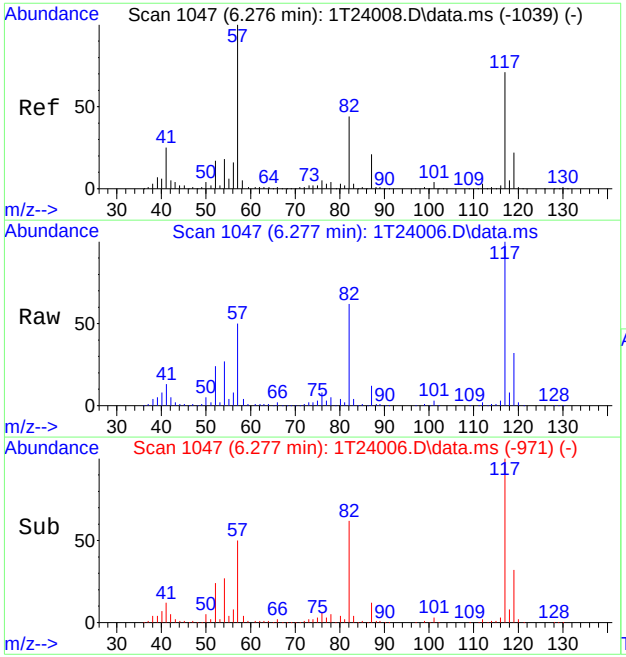


#83
1,2-dibromoethane
Concen: 21.77 ug/L
RT: 5.941 min Scan# 983
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion:107 Resp: 72153

Ion	Ratio	Lower	Upper
107	100		
109	89.7	64.0	124.0
188	4.4	0.0	33.9

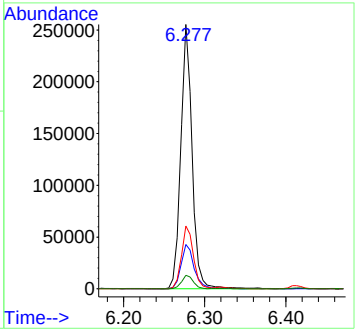


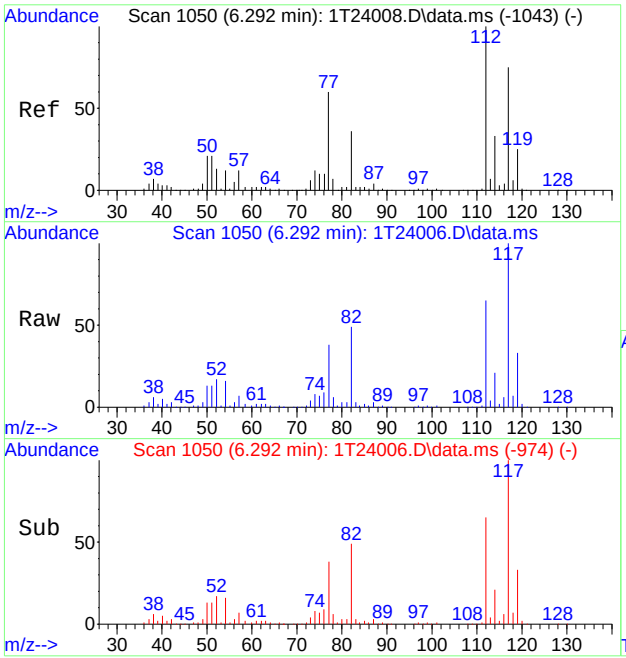


#84
n-butyl ether
Concen: 23.04 ug/L
RT: 6.277 min Scan# 1047
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion: 57 Resp: 248413

Ion	Ratio	Lower	Upper
57	100		
56	16.8	0.0	46.4
87	23.7	0.0	51.4
101	5.1	0.0	34.3

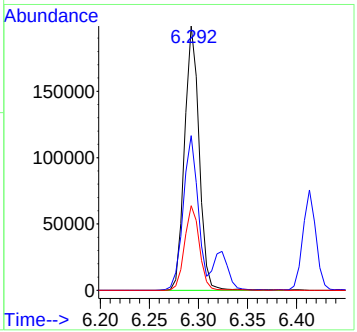


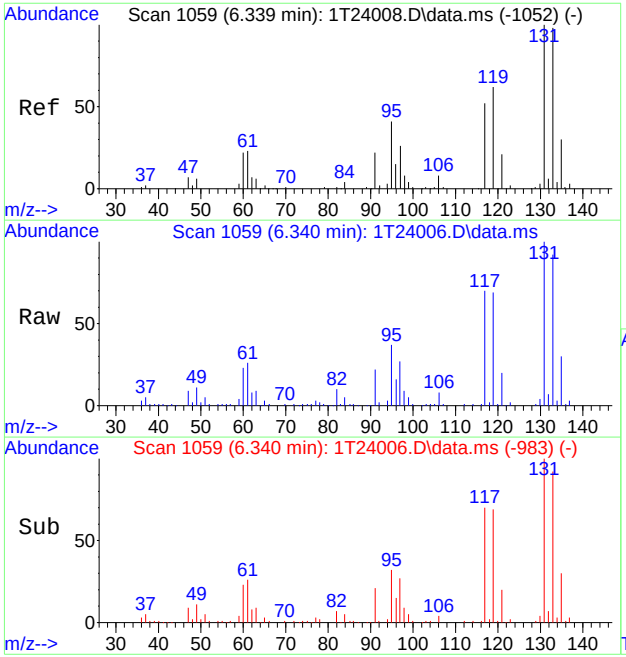


#85
chlorobenzene
Concen: 20.17 ug/L
RT: 6.292 min Scan# 1050
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion:112 Resp: 205300

Ion	Ratio	Lower	Upper
112	100		
77	58.4	29.6	89.6
114	32.0	3.1	63.1

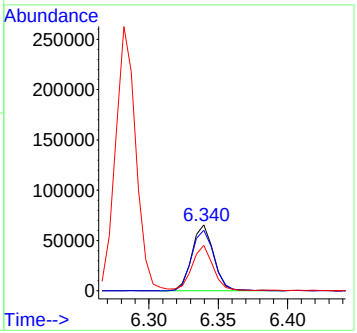


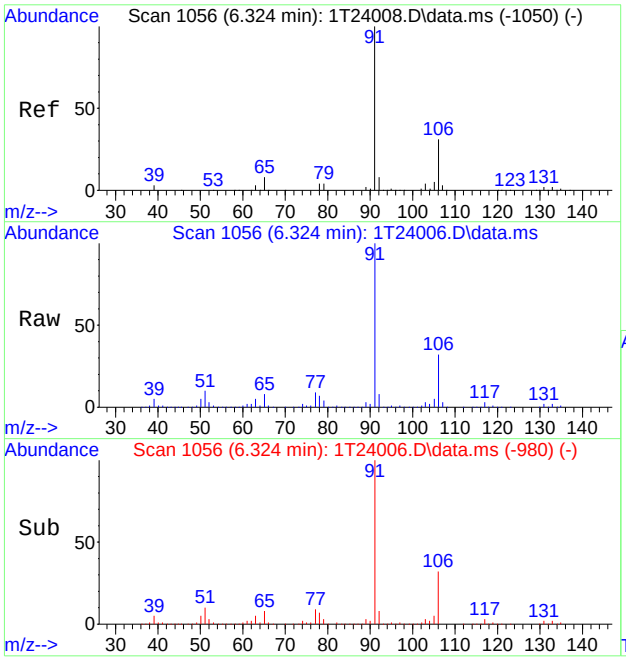


#86
1,1,1,2-tetrachloroethane
Concen: 21.27 ug/L
RT: 6.340 min Scan# 1059
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion:131 Resp: 72206

Ion	Ratio	Lower	Upper
131	100		
133	91.8	67.5	127.5
119	68.4	36.1	96.1

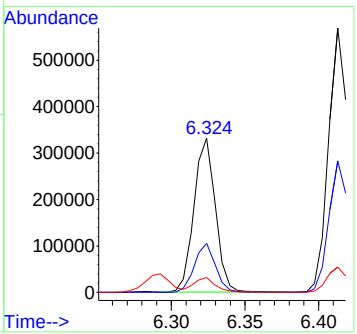


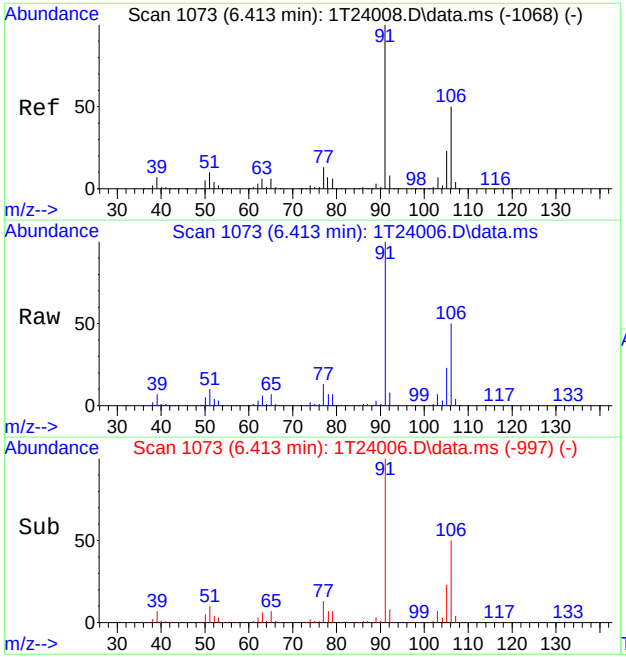


#87
ethylbenzene
Concen: 20.96 ug/L
RT: 6.324 min Scan# 1056
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion: 91 Resp: 336641

Ion	Ratio	Lower	Upper
91	100		
106	31.9	1.3	61.3
51	9.7	0.0	39.0

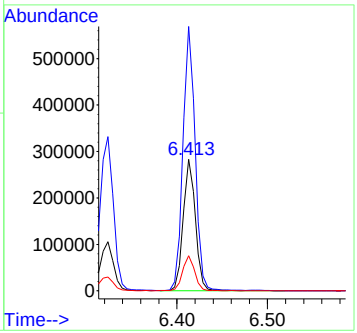


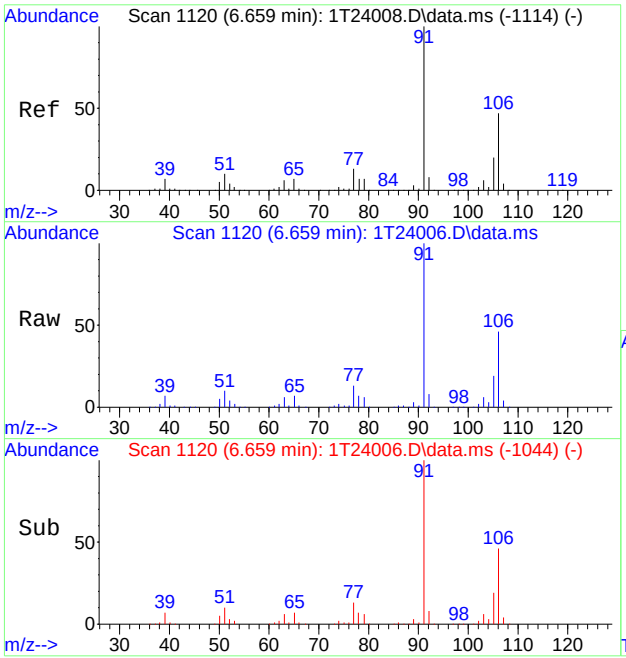


#88
m,p-xylene
Concen: 44.02 ug/L
RT: 6.413 min Scan# 1073
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion:106 Resp: 267535

Ion	Ratio	Lower	Upper
106	100		
91	201.0	169.8	229.8
77	26.7	6.7	46.7

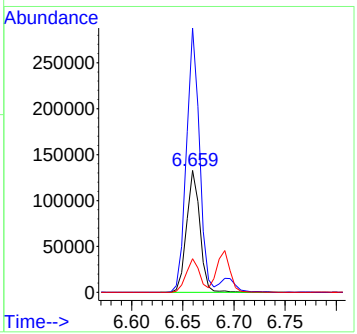


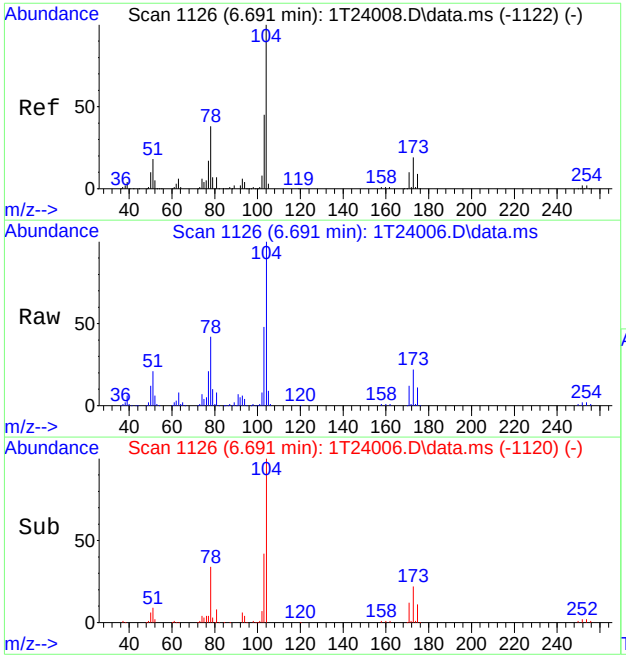


#89
o-xylene
Concen: 21.62 ug/L
RT: 6.659 min Scan# 1120
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion:106 Resp: 120489

Ion	Ratio	Lower	Upper
106	100		
91	216.6	181.7	241.7
77	27.5	6.5	46.5

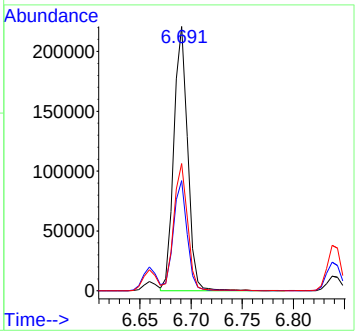


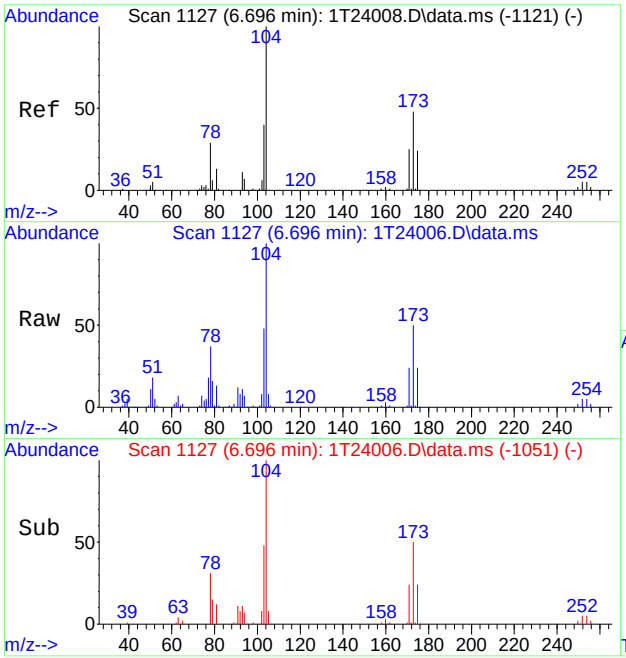


#90
styrene
Concen: 23.91 ug/L
RT: 6.691 min Scan# 1126
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion:104 Resp: 207030

Ion	Ratio	Lower	Upper
104	100		
78	41.6	9.6	69.6
103	48.2	16.5	76.5

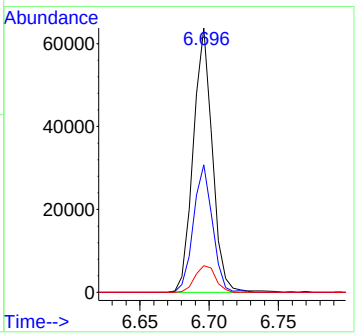


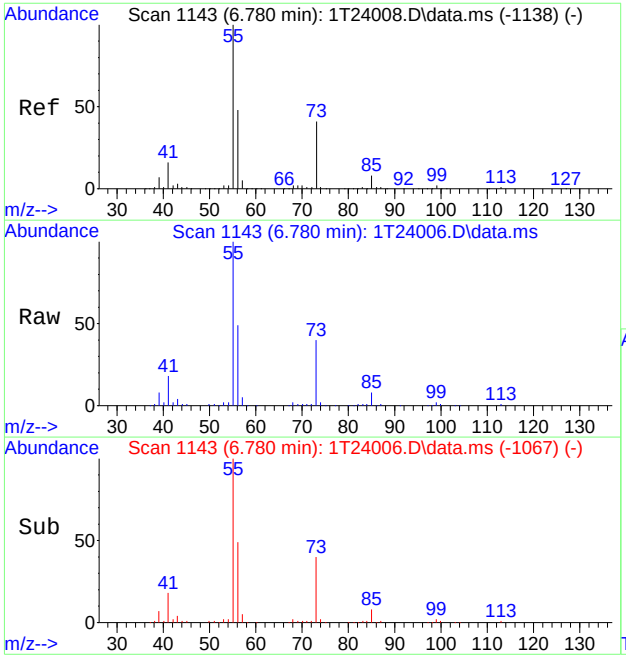


#91
bromoform
Concen: 20.68 ug/L
RT: 6.696 min Scan# 1127
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion:173 Resp: 61059

Ion	Ratio	Lower	Upper
173	100		
175	48.2	19.5	79.5
254	10.1	0.0	40.4

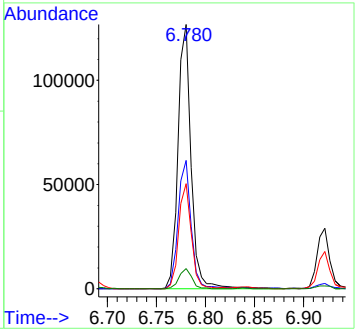


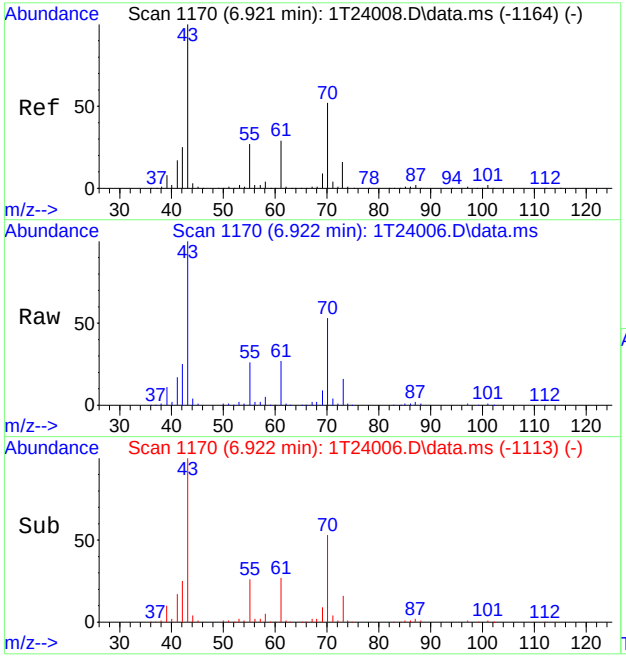


#92
butyl acrylate
Concen: 23.40 ug/L
RT: 6.780 min Scan# 1143
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion: 55 Resp: 117591

Ion	Ratio	Lower	Upper
55	100		
56	48.5	18.5	78.5
73	39.7	10.6	70.6
85	7.6	0.0	38.0

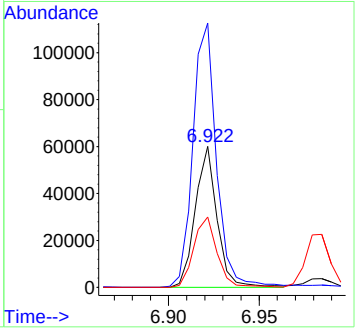


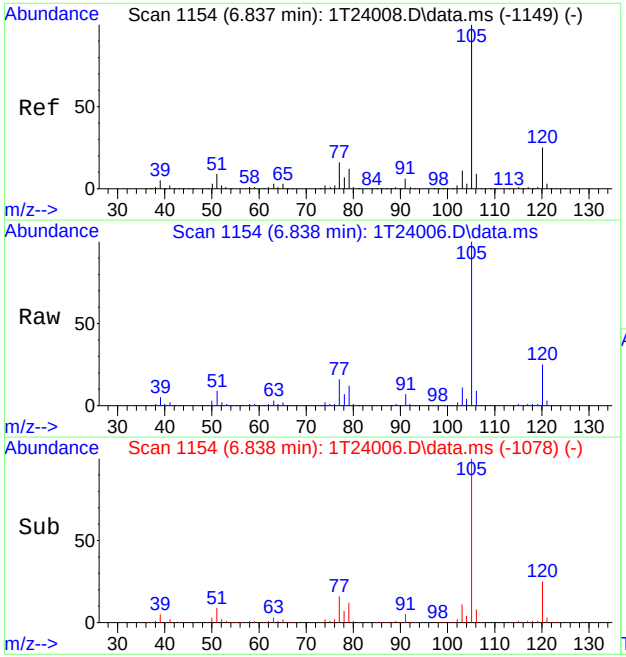


#93
n-amyl acetate
Concen: 23.76 ug/L
RT: 6.922 min Scan# 1170
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion: 70 Resp: 50265

Ion	Ratio	Lower	Upper
70	100		
43	187.6	171.9	211.9
61	49.9	35.4	75.4

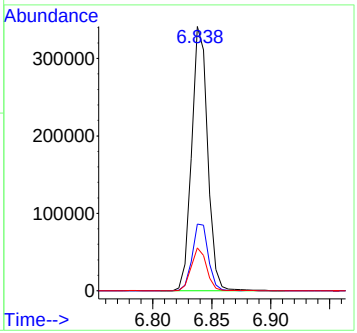


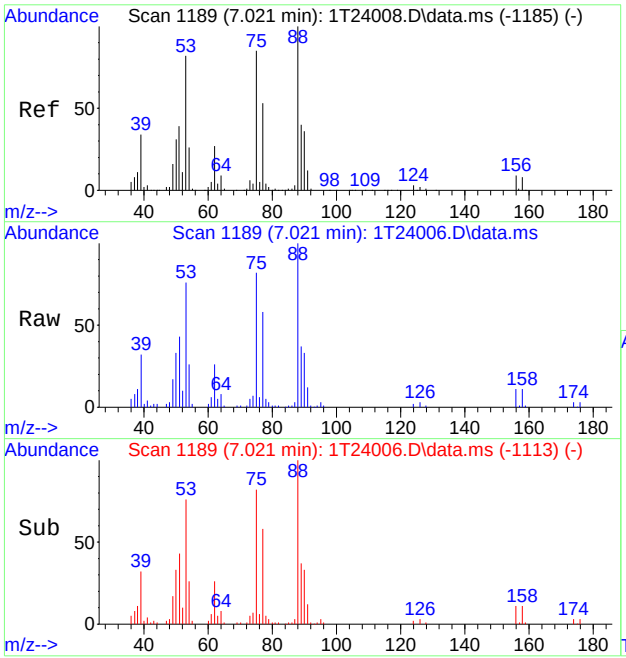


#94
isopropylbenzene
Concen: 23.05 ug/L
RT: 6.838 min Scan# 1154
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion:105 Resp: 323576

Ion	Ratio	Lower	Upper
105	100		
120	25.2	5.3	45.3
77	16.2	0.0	36.1

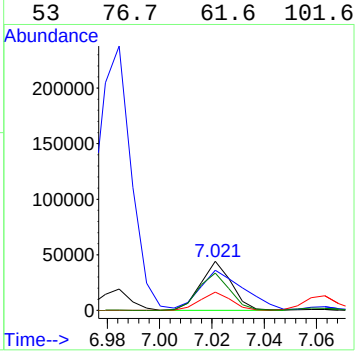


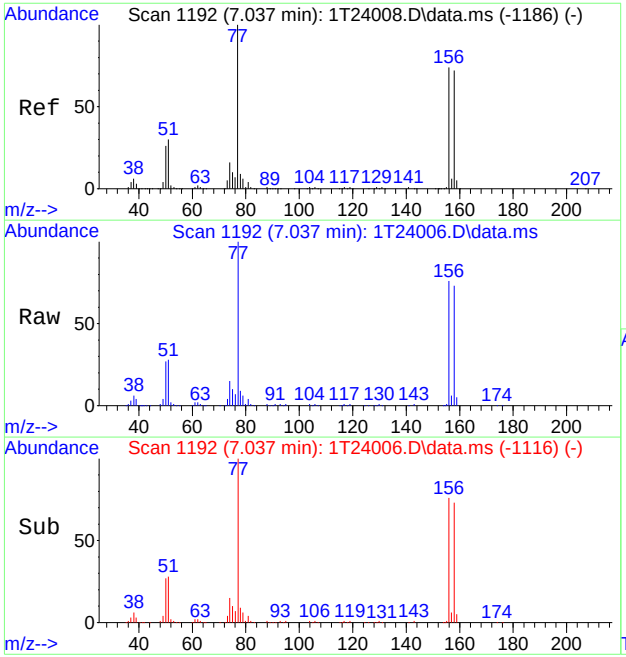


#95
cis-1,4-dichloro-2-butene
Concen: 21.46 ug/L
RT: 7.021 min Scan# 1189
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion: 88 Resp: 36435

Ion	Ratio	Lower	Upper
88	100		
75	79.7	67.1	107.1
89	37.4	19.7	59.7
53	76.7	61.6	101.6

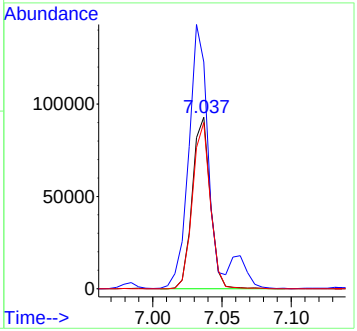


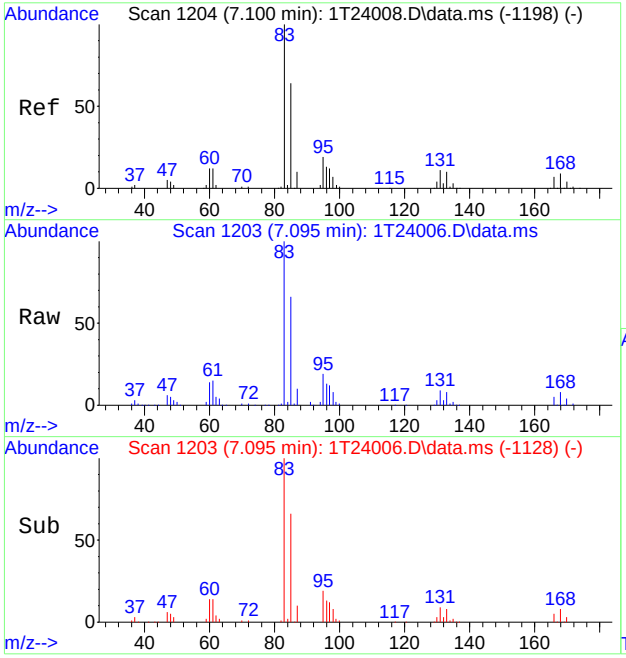


#98
bromobenzene
Concen: 20.01 ug/L
RT: 7.037 min Scan# 1192
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion:156 Resp: 84045

Ion	Ratio	Lower	Upper
156	100		
77	131.9	104.6	164.6
158	96.9	67.1	127.1

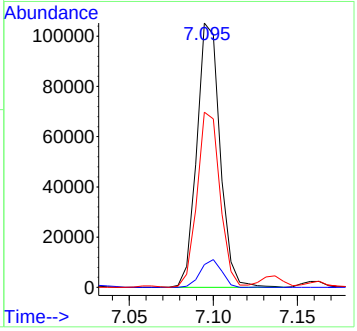


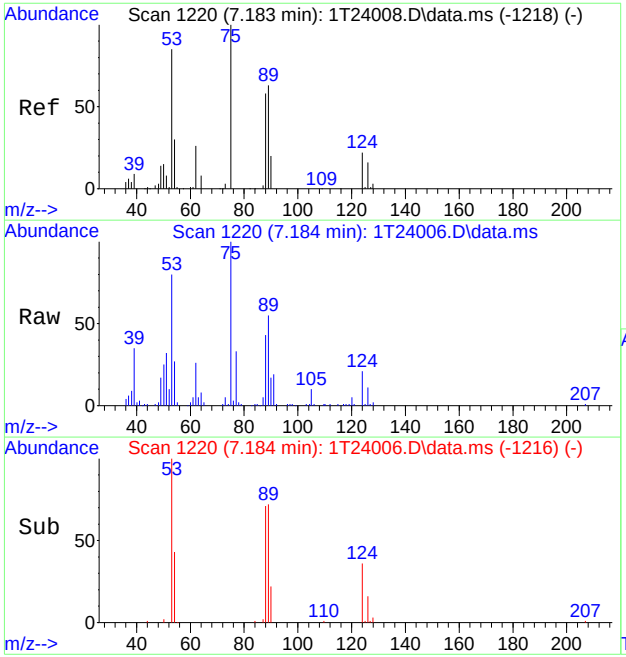


#99
1,1,2,2-tetrachloroethane
Concen: 19.49 ug/L
RT: 7.095 min Scan# 1203
Delta R.T. -0.005 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion: 83 Resp: 101136

Ion	Ratio	Lower	Upper
83	100		
131	8.6	0.0	40.9
85	66.0	34.4	94.4

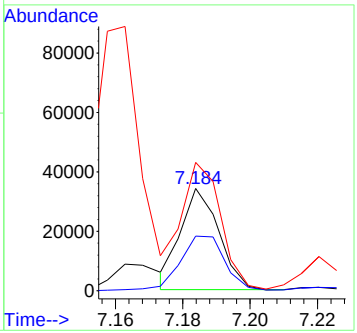


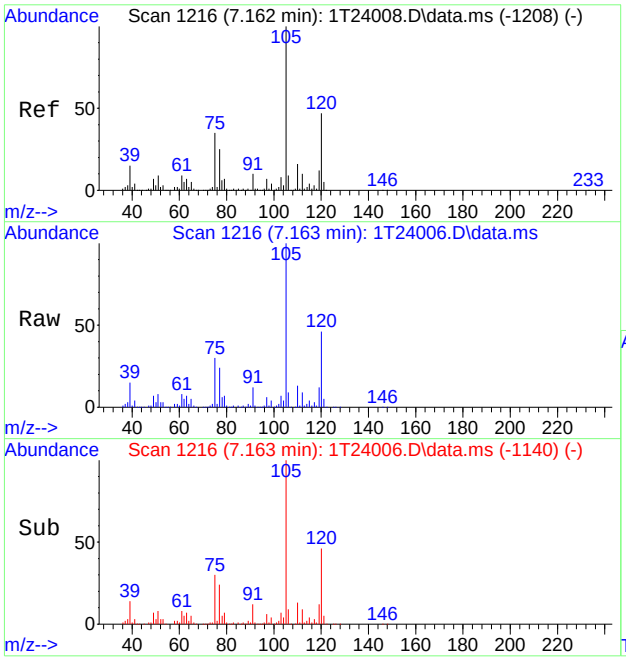


#100
trans-1,4-dichloro-2-butene
Concen: 20.71 ug/L
RT: 7.184 min Scan# 1220
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion: 53 Resp: 26911

Ion	Ratio	Lower	Upper
53	100		
88	53.2	29.6	89.6
75	121.1	97.1	157.1

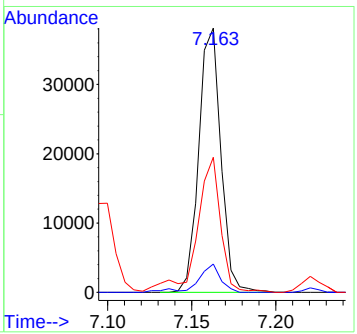


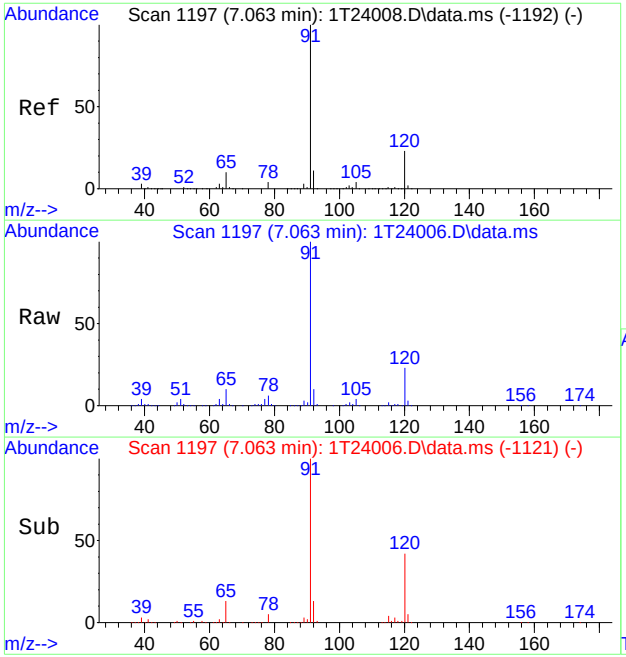


#101
1,2,3-trichloropropane
Concen: 18.89 ug/L
RT: 7.163 min Scan# 1216
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion:110 Resp: 34852

Ion	Ratio	Lower	Upper
110	100		
111	10.7	0.0	39.0
97	51.1	15.1	75.1

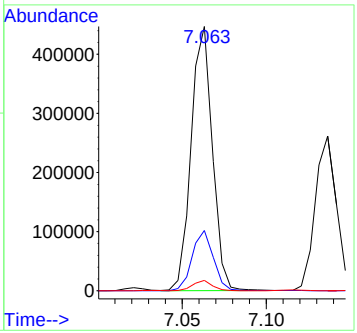


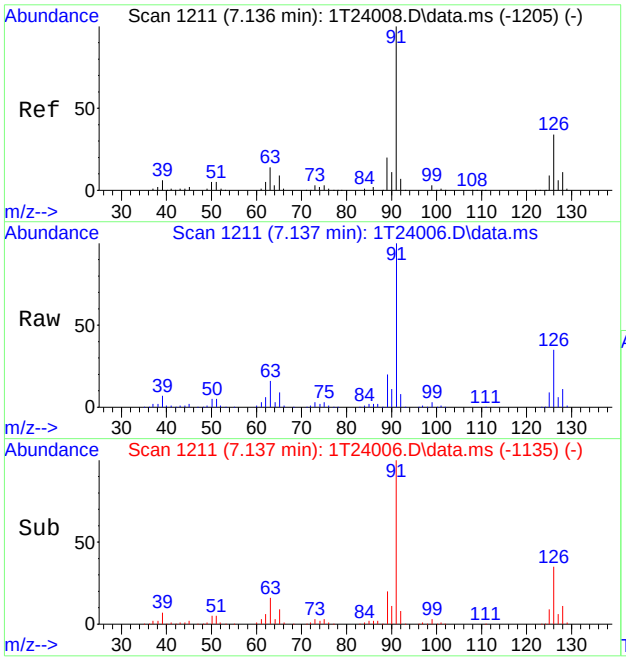


#102
n-propylbenzene
Concen: 21.72 ug/L
RT: 7.063 min Scan# 1197
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion: 91 Resp: 392893

Ion	Ratio	Lower	Upper
91	100		
120	22.9	0.0	53.1
105	3.6	0.0	33.9

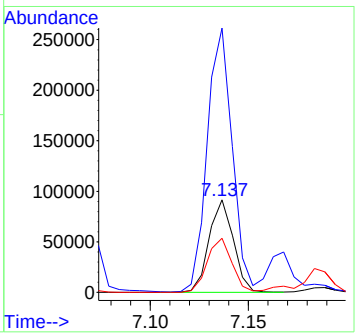


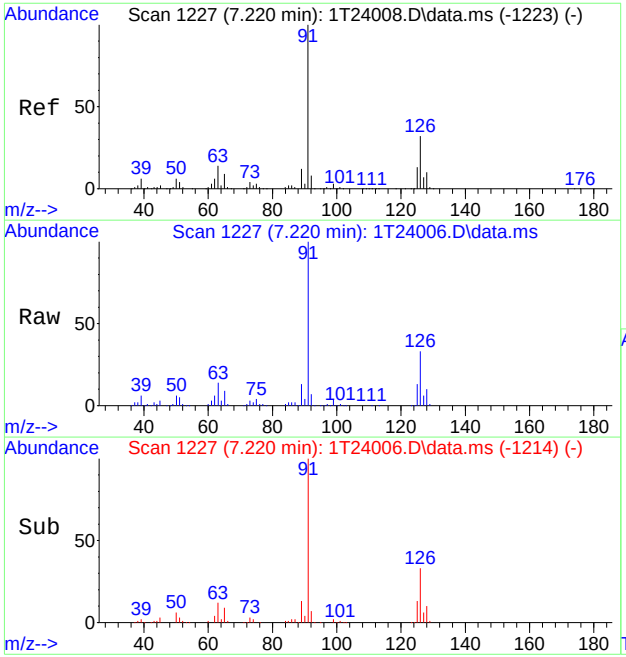


#103
2-chlorotoluene
Concen: 21.59 ug/L
RT: 7.137 min Scan# 1211
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion:126 Resp: 79393

Ion	Ratio	Lower	Upper
126	100		
91	284.6	263.0	323.0
89	58.4	27.6	87.6

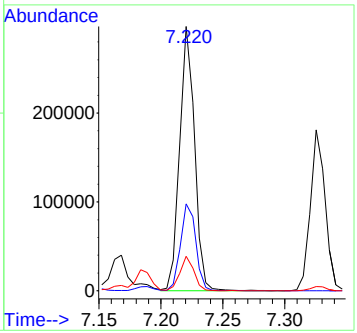


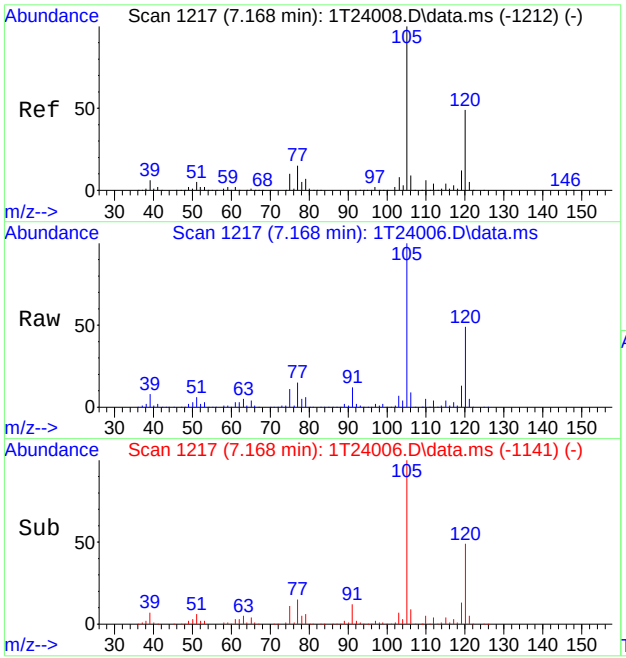


#104
4-chlorotoluene
Concen: 21.48 ug/L
RT: 7.220 min Scan# 1227
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion: 91 Resp: 246854

Ion	Ratio	Lower	Upper
91	100		
126	32.9	2.2	62.2
89	13.0	0.0	42.5

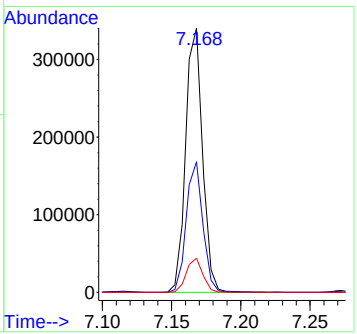


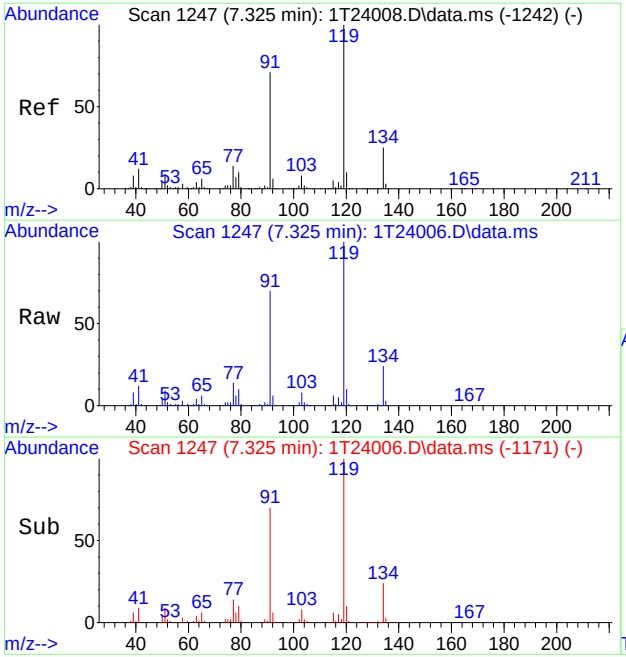


#105
1,3,5-trimethylbenzene
Concen: 24.03 ug/L
RT: 7.168 min Scan# 1217
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion:105 Resp: 290697

Ion	Ratio	Lower	Upper
105	100		
120	49.4	19.0	79.0
119	12.9	0.0	42.2

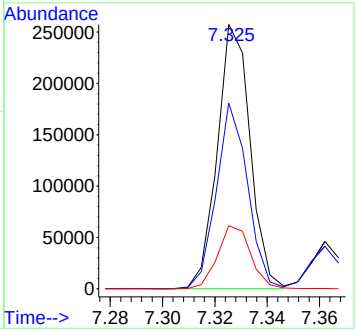


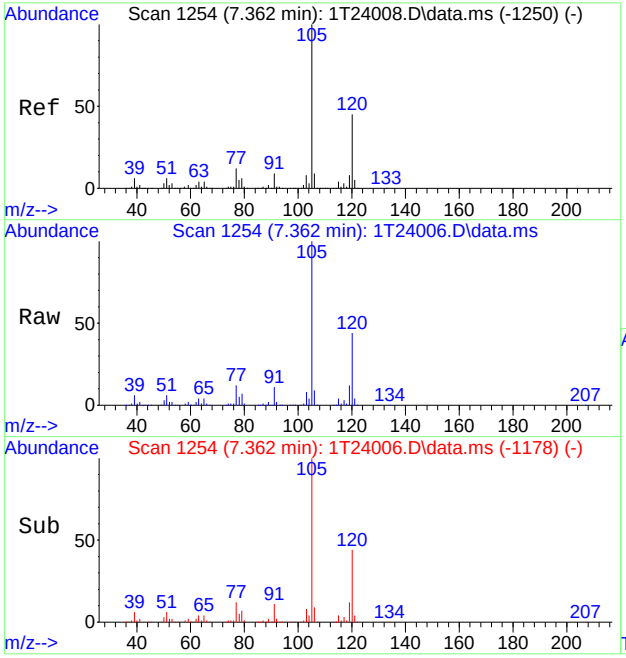


#106
tert-butylbenzene
Concen: 23.69 ug/L
RT: 7.325 min Scan# 1247
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion:119 Resp: 224635

Ion	Ratio	Lower	Upper
119	100		
91	70.2	40.9	100.9
134	23.9	0.0	54.5

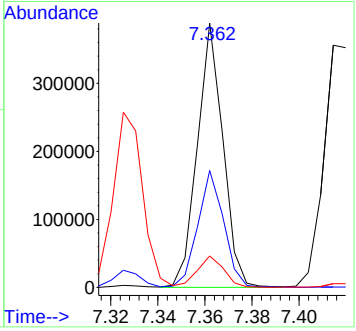


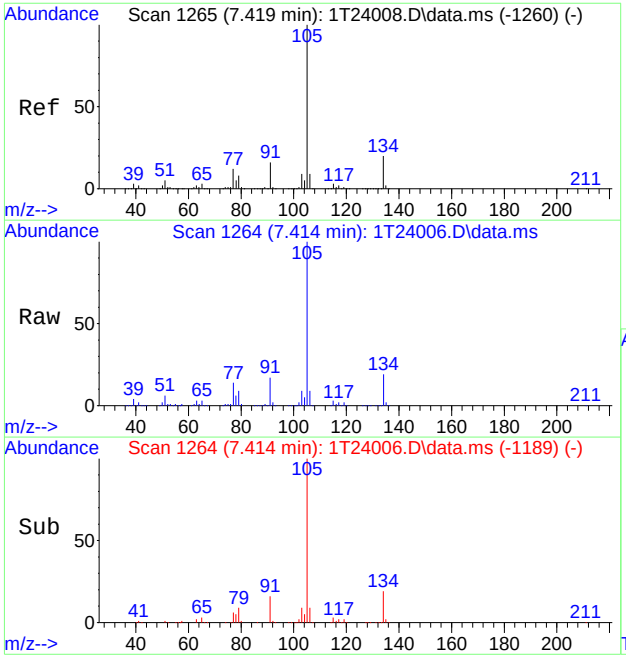


#107
1,2,4-trimethylbenzene
Concen: 24.36 ug/L
RT: 7.362 min Scan# 1254
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion:105 Resp: 295486

Ion	Ratio	Lower	Upper
105	100		
120	44.2	15.8	75.8
119	11.8	0.0	42.2

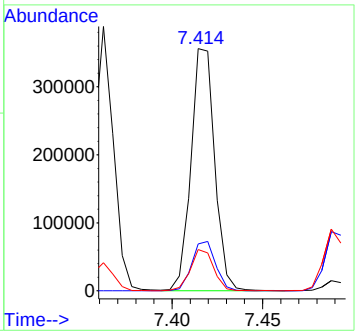


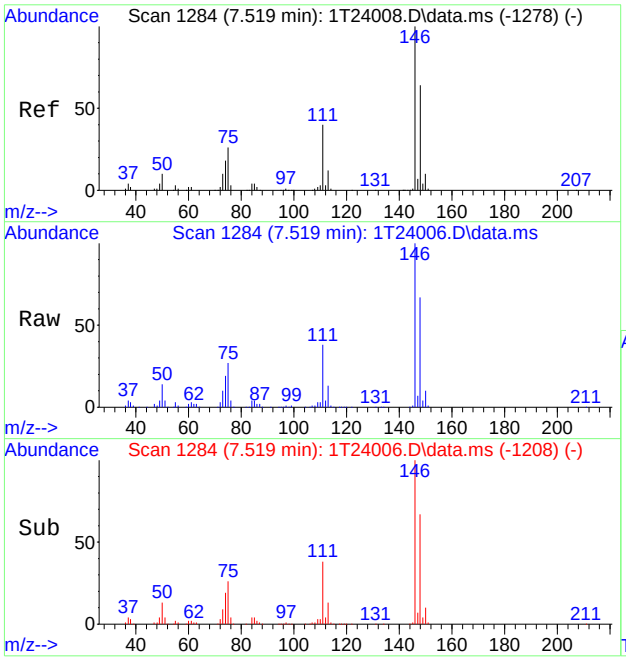


#108
sec-butylbenzene
Concen: 23.87 ug/L
RT: 7.414 min Scan# 1264
Delta R.T. -0.005 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion:105 Resp: 325140

Ion	Ratio	Lower	Upper
105	100		
134	19.3	0.0	50.4
91	17.0	0.0	45.8

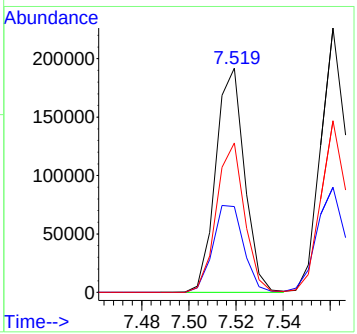


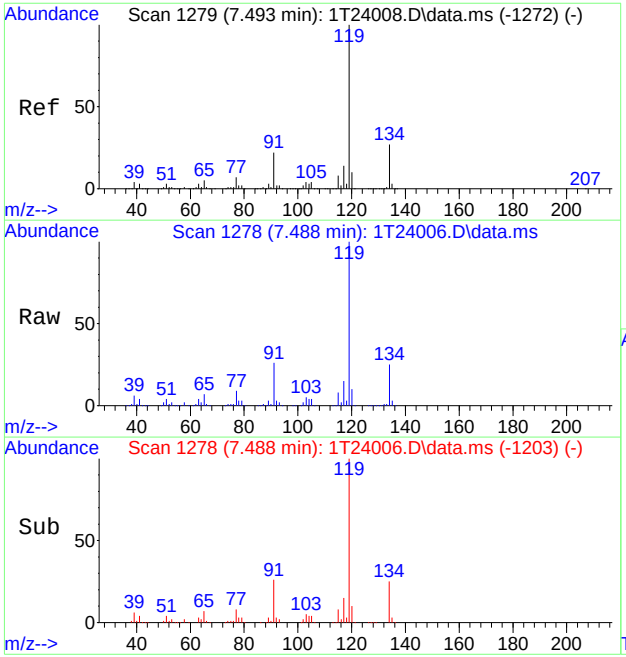


#109
1,3-dichlorobenzene
Concen: 21.23 ug/L
RT: 7.519 min Scan# 1284
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion:146 Resp: 163609

Ion	Ratio	Lower	Upper
146	100		
111	38.3	9.6	69.6
148	66.6	33.7	93.7

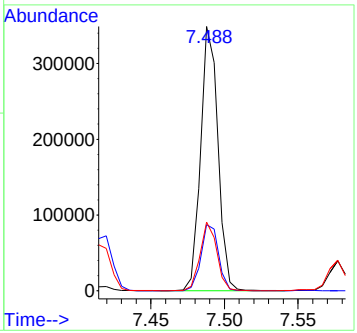


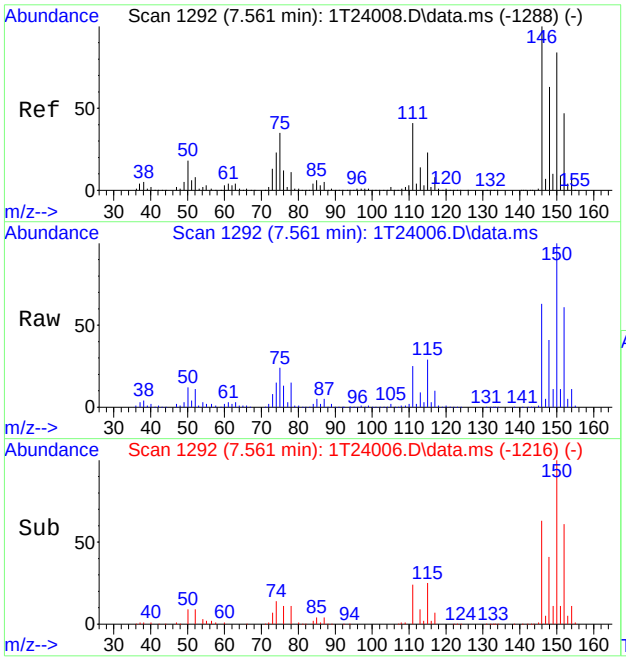


#110
p-isopropyltoluene
Concen: 24.81 ug/L
RT: 7.488 min Scan# 1278
Delta R.T. -0.005 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion:119 Resp: 286069

Ion	Ratio	Lower	Upper
119	100		
134	25.0	0.0	56.8
91	25.9	0.0	52.2

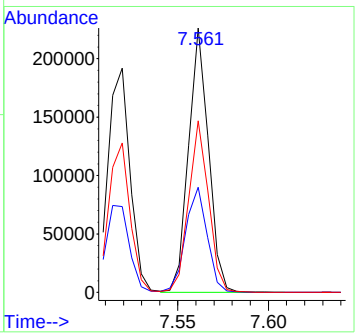


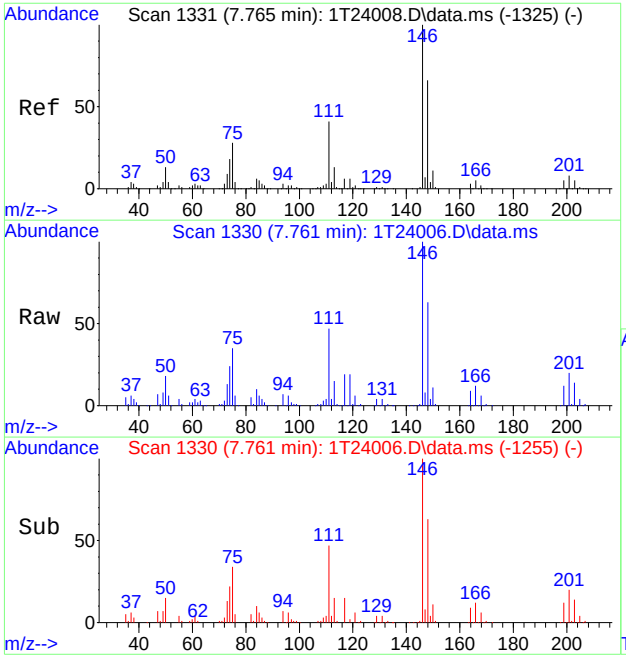


#111
1,4-dichlorobenzene
Concen: 20.55 ug/L
RT: 7.561 min Scan# 1292
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion:146 Resp: 173135

Ion	Ratio	Lower	Upper
146	100		
111	39.8	10.8	70.8
148	64.9	33.2	93.2

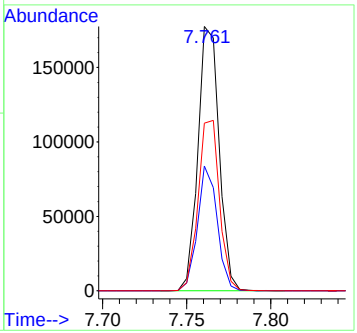


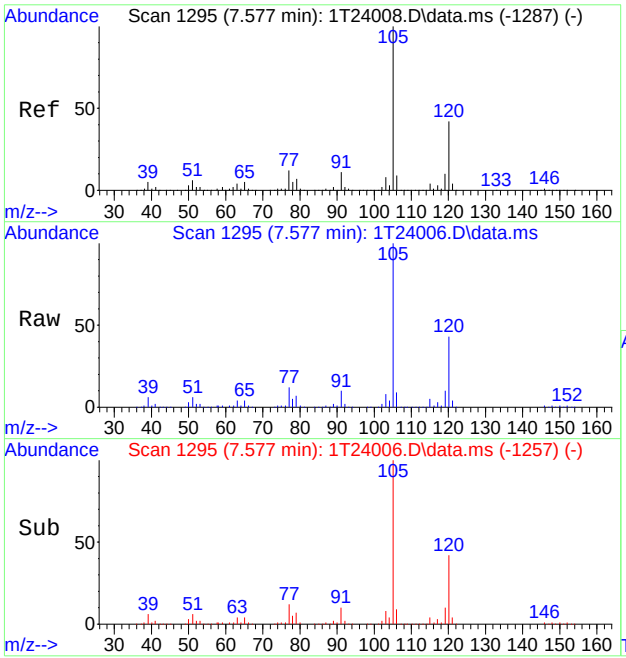


#112
1,2-dichlorobenzene
Concen: 20.75 ug/L
RT: 7.761 min Scan# 1330
Delta R.T. -0.005 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion:146 Resp: 156115

Ion	Ratio	Lower	Upper
146	100		
111	47.1	11.3	71.3
148	63.4	36.2	96.2

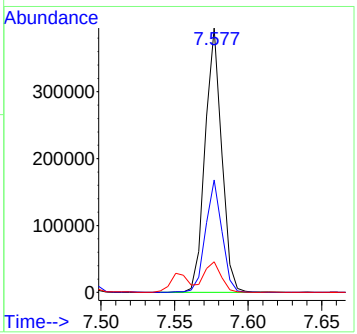


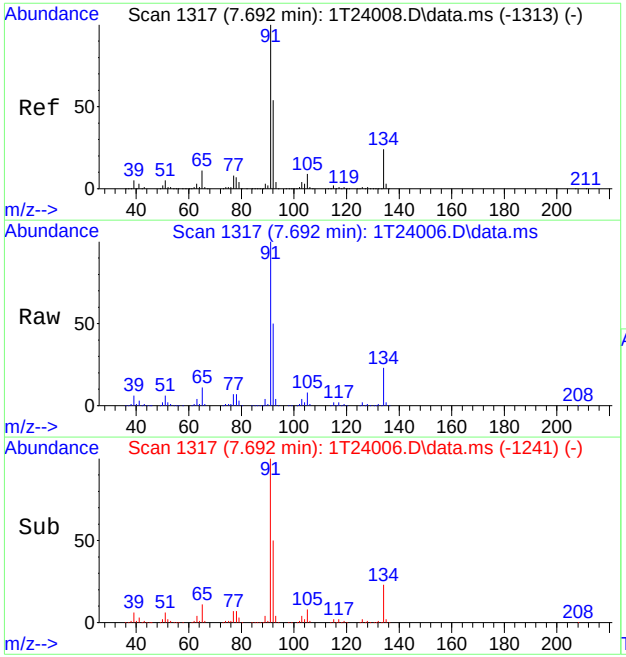


#113
1,2,3-trimethylbenzene
Concen: 21.67 ug/L
RT: 7.577 min Scan# 1295
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion:105 Resp: 309533

Ion	Ratio	Lower	Upper
105	100		
120	42.5	12.2	72.2
77	11.6	0.0	41.7

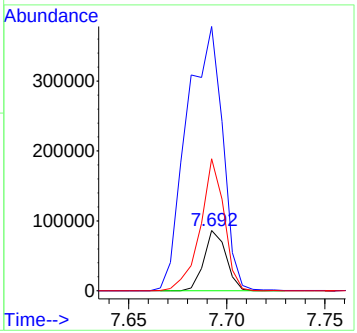


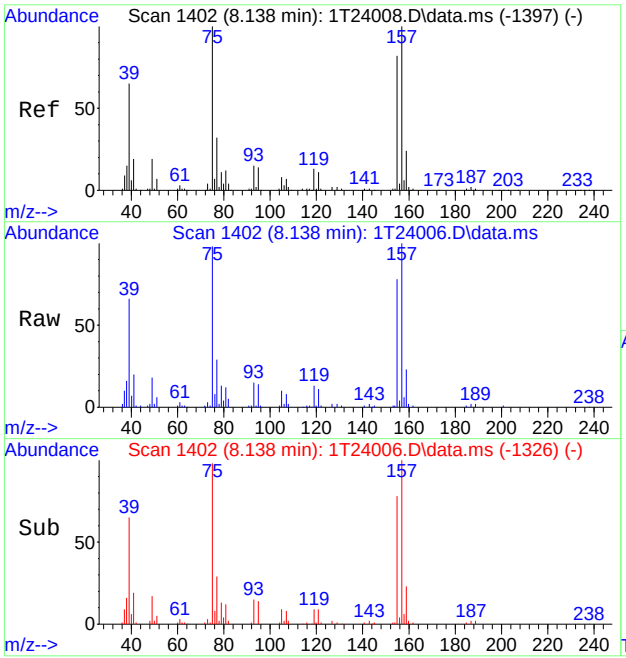


#114
n-butylbenzene
Concen: 24.00 ug/L
RT: 7.692 min Scan# 1317
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion:134 Resp: 67613

Ion	Ratio	Lower	Upper
134	100		
91	437.6	429.9	489.9
92	218.7	199.0	259.0

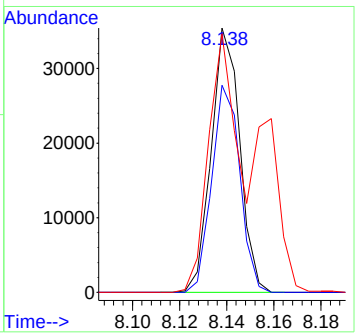


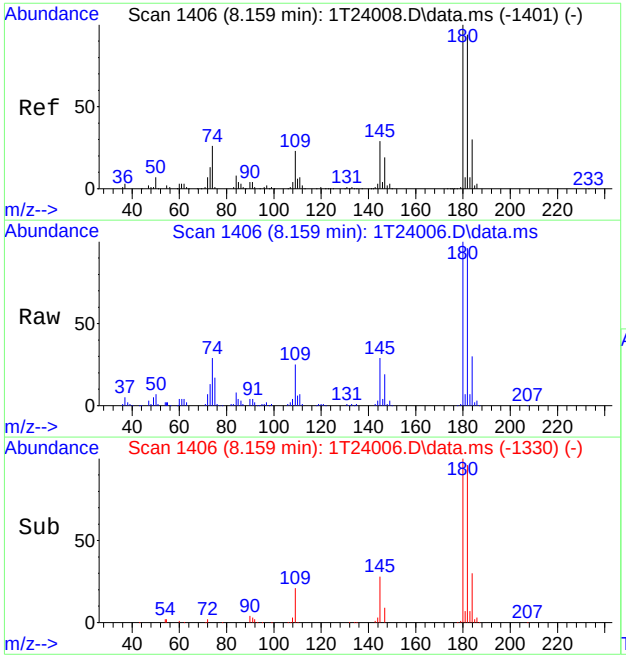


#115
1,2-dibromo-3-chloropropane
Concen: 19.33 ug/L
RT: 8.138 min Scan# 1402
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion:157 Resp: 29795

Ion	Ratio	Lower	Upper
157	100		
155	78.3	51.9	111.9
75	97.8	70.0	130.0

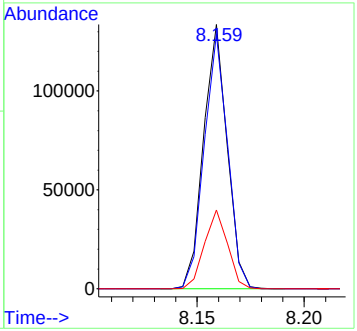


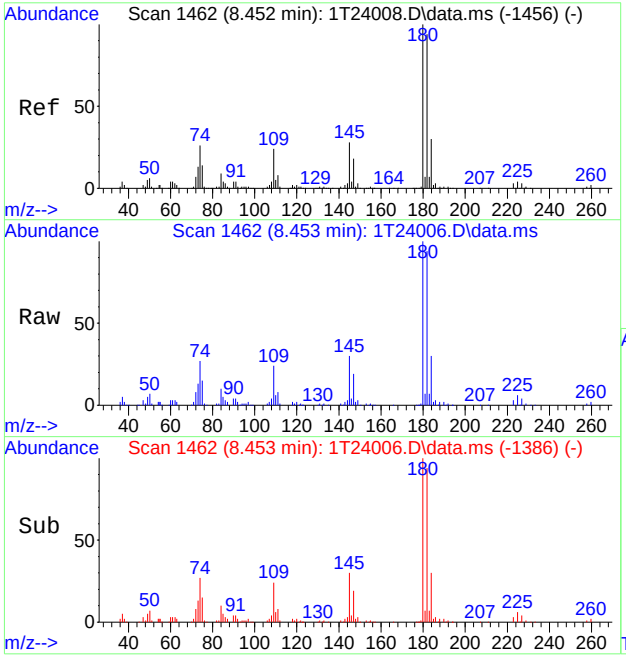


#116
1,3,5-trichlorobenzene
Concen: 20.95 ug/L
RT: 8.159 min Scan# 1406
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion:180 Resp: 102489

Ion	Ratio	Lower	Upper
180	100		
182	96.2	73.5	113.5
184	29.8	10.1	50.1

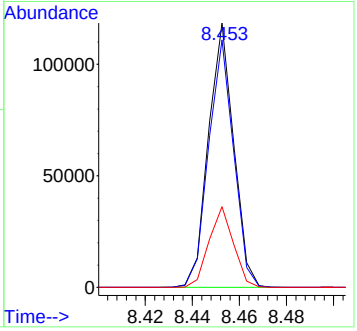


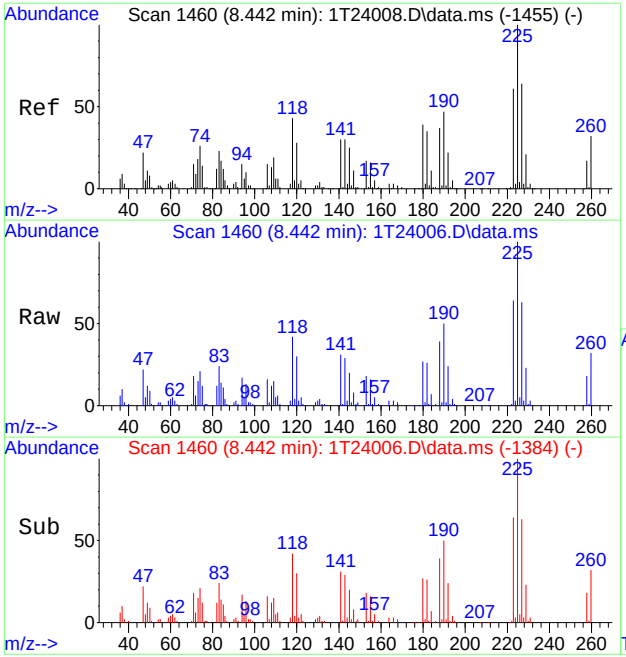


#117
1,2,4-trichlorobenzene
Concen: 21.12 ug/L
RT: 8.453 min Scan# 1462
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion:180 Resp: 88468

Ion	Ratio	Lower	Upper
180	100		
182	93.6	64.0	124.0
184	30.5	0.0	59.7

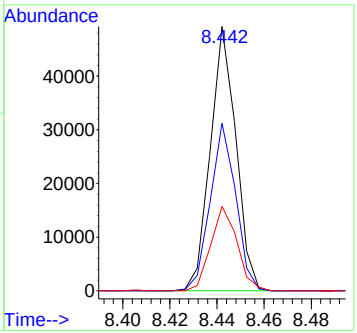


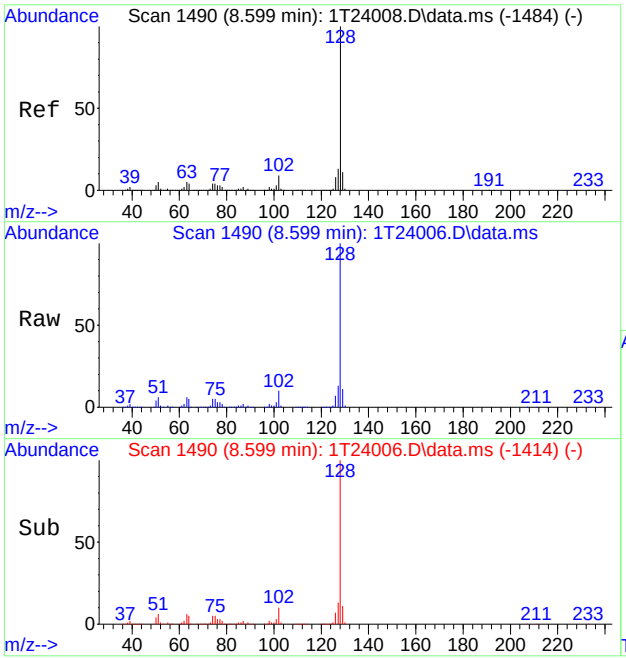


#118
hexachlorobutadiene
Concen: 20.35 ug/L
RT: 8.442 min Scan# 1460
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion:225 Resp: 37336

Ion	Ratio	Lower	Upper
225	100		
227	63.4	34.1	94.1
260	31.9	1.5	61.5

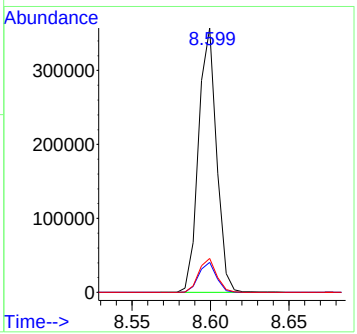


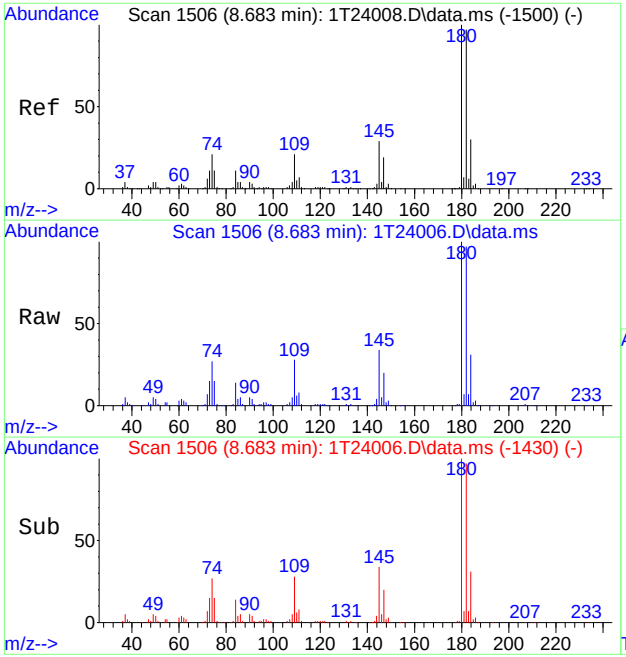


#119
naphthalene
Concen: 23.69 ug/L
RT: 8.599 min Scan# 1490
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion:128 Resp: 286043

Ion	Ratio	Lower	Upper
128	100		
129	11.3	0.0	40.7
127	12.8	0.0	43.4

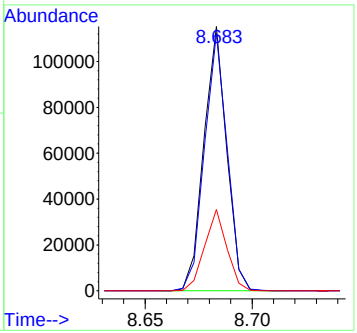


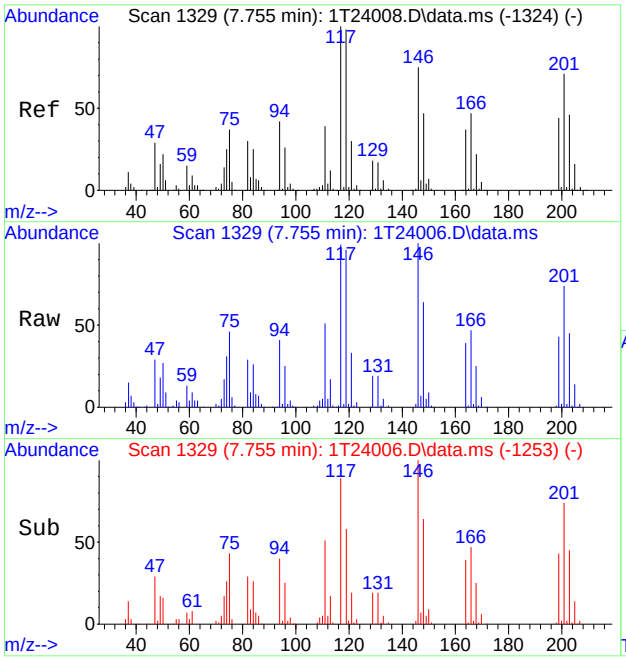


#120
1,2,3-trichlorobenzene
Concen: 21.52 ug/L
RT: 8.683 min Scan# 1506
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion:180 Resp: 85173

Ion	Ratio	Lower	Upper
180	100		
182	97.5	66.5	126.5
184	30.7	0.0	59.6

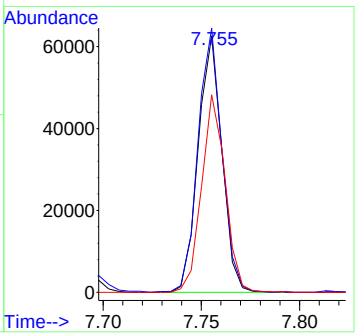


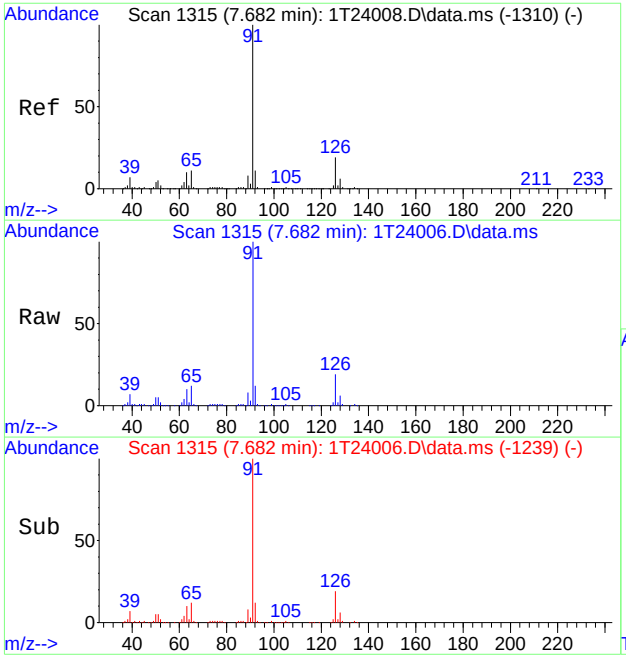


#121
hexachloroethane
Concen: 22.41 ug/L
RT: 7.755 min Scan# 1329
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion:119 Resp: 52699

Ion	Ratio	Lower	Upper
119	100		
117	102.8	71.7	131.7
201	77.0	42.0	102.0

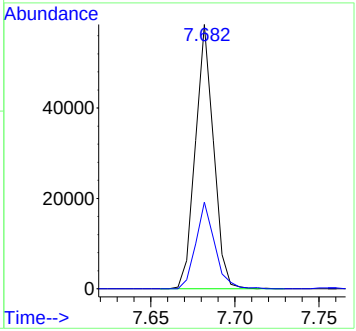


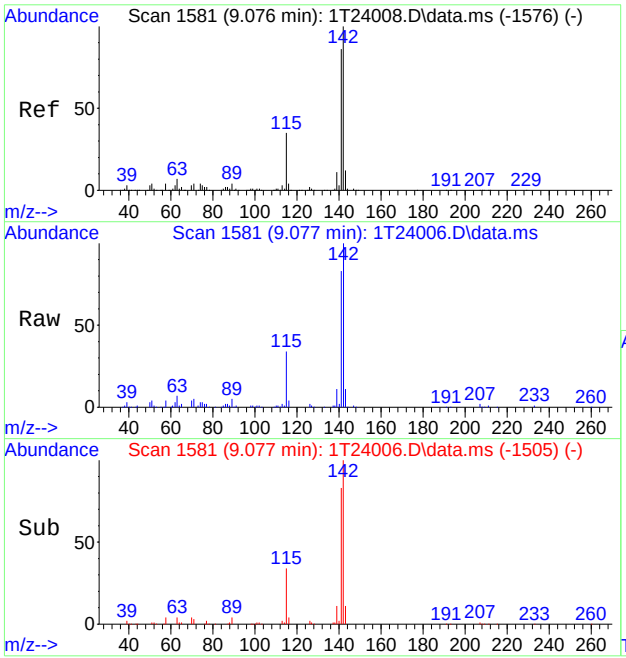


#122
benzyl chloride
Concen: 22.15 ug/L
RT: 7.682 min Scan# 1315
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion:126 Resp: 44118

Ion	Ratio	Lower	Upper
126	100		
128	32.8	1.7	61.7

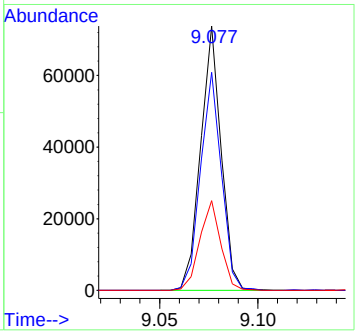




#123
2-methylnaphthalene
Concen: 11.10 ug/L
RT: 9.077 min Scan# 1581
Delta R.T. 0.000 min
Lab File: 1T24006.D
Acq: 18 Sep 2025 01:01 pm

Tgt Ion:142 Resp: 53858

Ion	Ratio	Lower	Upper
142	100		
141	82.5	55.9	115.9
115	33.9	5.4	65.4



Manual Integration Approval Summary

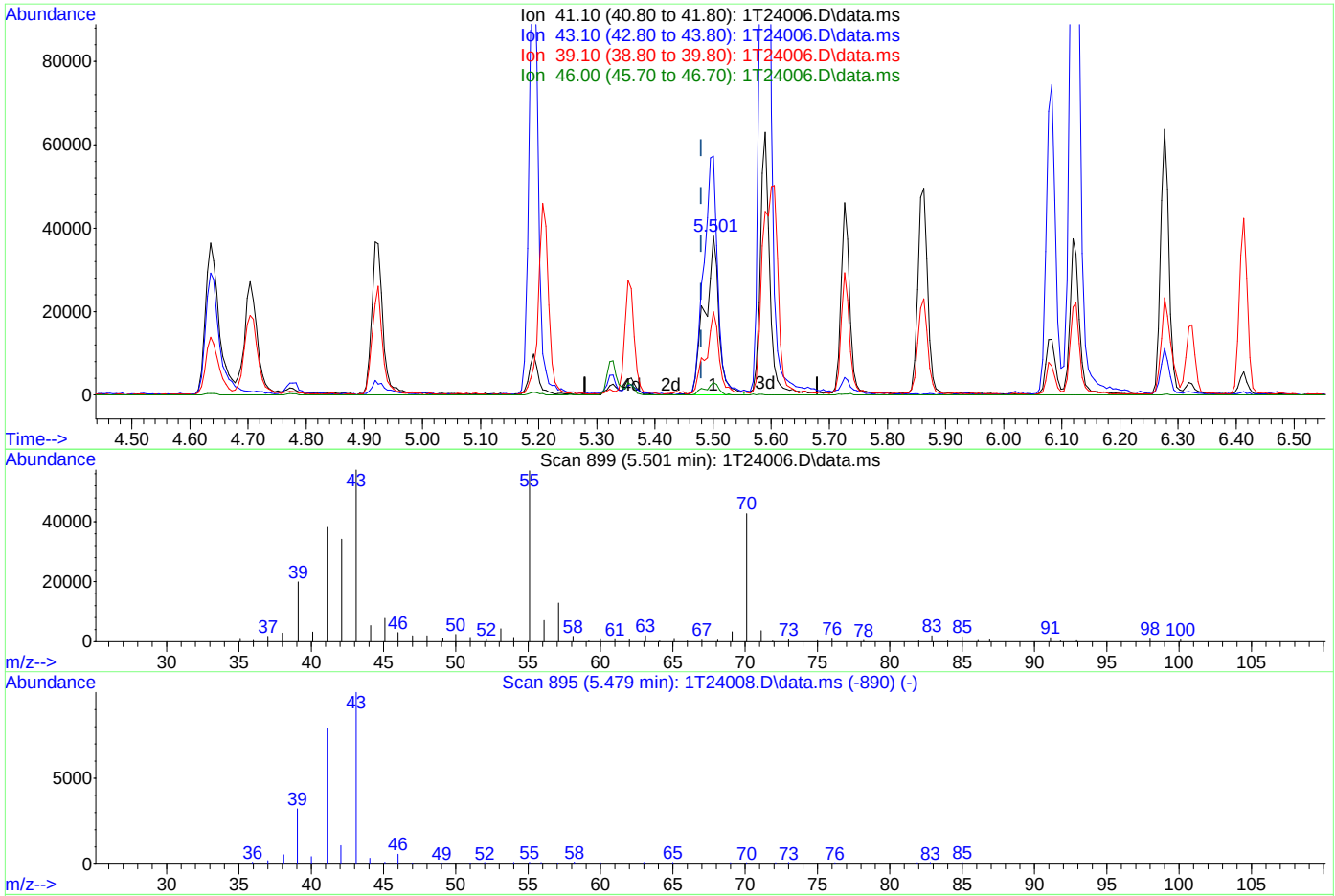
Sample Number:	V1T579-IC579	**Method:**	SW846 8260D
Lab FileID:	1T24006.D	**Analyst approved:**	09/19/25 12:39 MoHui Huang
Injection Time:	09/18/25 13:01	**Supervisor approved:**	09/19/25 18:04 Kanya Veerawat

Parameter	CAS	Sig#	R.T. (min.)	Reason
2-Nitropropane	79-46-9		5.48	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\Initials\VT579\
Data File : 1T24006.D
Acq On : 18 Sep 2025 01:01 pm
Operator : edwardd
Sample : ic579-20
Misc : MS96870,V1T0579,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 19 10:54:47 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 10:19:08 2025
Response via : Initial Calibration



TIC: 1T24006.D\data.ms

(61) 2-nitropropane

5.501min (+0.021) 60.40ug/L

response 65299

Ion	Exp%	Act%
41.10	100	100
43.10	126.20	149.96
39.10	41.90	50.36
46.00	7.20	7.83

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 09/19/25 18:04

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VT579\
Data File : 1T24008.D
Acq On : 18 Sep 2025 01:29 pm
Operator : edwardd
Sample : icc579-50
Misc : MS96870,V1T0579,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 19 09:49:26 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 09:47:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	1.993	65	327426	500.00	ug/L	0.00
5) pentafluorobenzene	3.728	168	632583	50.00	ug/L	0.00
50) 1,4-difluorobenzene	4.310	114	1086152	50.00	ug/L	0.00
72) chlorobenzene-d5	6.282	117	944215	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	7.556	152	497692	50.00	ug/L	0.00
124) pentafluorobenzene(a)	3.728	168	632583	50.00	ug/L	0.00
132) 1,4-dichlorobenzene-d4(a)	7.556	152	497692	50.00	ug/L	0.00
System Monitoring Compounds						
42) dibromofluoromethane (s)	3.183	113	370895	50.00	ug/L	0.00
Spiked Amount 50.000	Range 75 - 127		Recovery = 100.00%			
51) 1,2-dichloroethane-d4 (s)	3.739	65	419956	49.99	ug/L	0.00
Spiked Amount 50.000	Range 75 - 130		Recovery = 99.98%			
73) toluene-d8 (s)	5.327	98	1247760	50.00	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.00%			
97) 4-bromofluorobenzene (s)	6.984	95	458960	50.00	ug/L	0.00
Spiked Amount 50.000	Range 79 - 127		Recovery = 100.00%			
Target Compounds						Qvalue
2) ethanol	1.468	45	235249	4919.4483	ug/L	100
3) tertiary butyl alcohol	2.040	59	133839	250.0000	ug/L	100
4) 1,4-dioxane	4.924	88	53271	1250.0000	ug/L	100
6) chlorodifluoromethane	0.897	51	231430	50.0000	ug/L	100
7) dichlorodifluoromethane	0.881	85	304192	50.0000	ug/L	100
8) chloromethane	0.970	50	167267	49.9845	ug/L	100
9) vinyl chloride	1.002	62	246600	50.0000	ug/L	100
10) 1,3-butadiene	1.007	39	157578	50.0000	ug/L	100
11) bromomethane	1.143	96	150757	50.0000	ug/L #	100
12) chloroethane	1.201	64	208949	50.0000	ug/L	100
13) trichlorofluoromethane	1.264	101	542503	49.9693	ug/L	100
14) ethyl ether	1.406	74	134075	50.0000	ug/L	100
15) acrolein	1.678	56	49123	50.0000	ug/L	100
16) freon 113	1.526	151	182231	50.0000	ug/L	100
17) 1,1-dichloroethene	1.510	61	341186	50.0000	ug/L	100
18) acetone	1.841	58	115110	200.0000	ug/L	100
19) acetonitrile	2.129	41	267024	500.0000	ug/L	100
20) iodomethane	1.589	142	137243	50.0000	ug/L	100
21) carbon disulfide	1.531	76	633302	50.0000	ug/L	100
22) methylene chloride	1.820	84	237014	50.0000	ug/L	100
23) methyl acetate	1.914	74	47836	50.0000	ug/L	100
24) methyl tert butyl ether	1.982	73	537450	50.0000	ug/L	100
25) trans-1,2-dichloroethene	1.914	96	233624	50.0000	ug/L	100
26) hexane	1.967	57	336088	100.0000	ug/L	100
27) di-isopropyl ether	2.239	45	431452	50.0000	ug/L	100
28) ethyl tert-butyl ether	2.517	59	525262	50.0000	ug/L	100
29) 2-butanone	3.314	72	139939	200.0000	ug/L	100
30) 1,1-dichloroethane	2.318	63	357574	50.0000	ug/L	100
31) chloroprene	2.302	53	285791	50.0000	ug/L	100
32) acrylonitrile	2.349	52	75868	50.0000	ug/L	100
33) vinyl acetate	2.512	86	50783	50.0000	ug/L	100
34) ethyl acetate	3.146	70	30467	50.0000	ug/L	100
35) 2,2-dichloropropane	2.842	77	323595	50.0000	ug/L	100
36) cis-1,2-dichloroethene	2.748	96	210127	50.0000	ug/L	100
37) propionitrile	3.613	54	375918	500.0000	ug/L	100
38) methyl acrylate	3.141	85	39548	50.0000	ug/L	100
39) bromochloromethane	2.926	128	106841	50.0000	ug/L	100
40) tetrahydrofuran	3.157	71	33116	50.0000	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VT579\
Data File : 1T24008.D
Acq On : 18 Sep 2025 01:29 pm
Operator : edwardd
Sample : icc579-50
Misc : MS96870,V1T0579,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 19 09:49:26 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 09:47:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) chloroform	3.005	47	87946	50.0000 ug/L	100
43) methacrylonitrile	3.639	67	92670	50.0000 ug/L	100
44) 1,1,1-trichloroethane	3.199	97	358874	50.0000 ug/L	100
45) cyclohexane	2.937	84	282482	50.0000 ug/L	100
46) 1,1-dichloropropene	3.330	75	282175	50.0000 ug/L	100
47) carbon tetrachloride	3.136	117	317451	50.0000 ug/L	100
48) isobutyl alcohol	3.938	43	83881	500.0000 ug/L	100
49) tert-amyl alcohol	4.043	55	56503	250.0000 ug/L	100
52) iso-octane	3.471	57	466053	49.8152 ug/L	100
53) benzene	3.592	78	761385	50.0000 ug/L	100
54) tert-amyl methyl ether	3.770	73	501685	50.0000 ug/L	100
55) heptane	3.613	57	86947	50.0000 ug/L	100
56) isopropyl acetate	4.195	87	51778	50.0000 ug/L	100
57) 1,2-dichloroethane	3.817	62	293023	50.0000 ug/L	100
58) n-butyl alcohol	4.635	56	314560	2500.0000 ug/L	100
59) ethyl acrylate	4.777	55	245806	50.0000 ug/L	100
60) trichloroethene	4.268	130	216664	50.0000 ug/L	100
61) 2-nitropropane	5.479	41	70837m	50.2006 ug/L	
62) 2-chloroethyl vinyl ether	5.191	63	666499	250.0000 ug/L	100
63) methyl methacrylate	4.924	100	60244	50.0000 ug/L	100
64) 1,2-dichloropropane	4.703	63	191577	50.0000 ug/L	100
65) methylcyclohexane	4.253	98	152176	50.0000 ug/L #	100
66) dibromomethane	4.620	93	143780	50.0000 ug/L	100
67) bromodichloromethane	4.772	83	300120	50.0000 ug/L	100
68) epichlorohydrin	5.364	57	139714	250.5829 ug/L	100
69) cis-1,3-dichloropropene	5.212	75	332498	50.0000 ug/L	100
70) 4-methyl-2-pentanone	5.590	58	352199	200.0000 ug/L	100
71) 3-methyl-1-butanol	5.500	70	140404	1000.0000 ug/L	100
74) toluene	5.359	92	486728	50.0000 ug/L	100
75) ethyl methacrylate	5.726	69	232146	50.0000 ug/L	100
76) trans-1,3-dichloropropene	5.605	75	327175	50.0000 ug/L	100
77) 1,1,2-trichloroethane	5.700	83	159637	50.0000 ug/L	100
78) tetrachloroethene	5.579	166	211234	50.0000 ug/L	100
79) 2-hexanone	6.124	58	367444	200.0000 ug/L	100
80) 1,3-dichloropropane	5.862	76	331058	50.0000 ug/L	100
81) butyl acetate	6.082	56	118588	50.0000 ug/L	100
82) dibromochloromethane	5.805	129	240253	50.0000 ug/L	100
83) 1,2-dibromoethane	5.941	107	209683	50.0000 ug/L	100
84) n-butyl ether	6.276	57	724677	50.0000 ug/L	100
85) chlorobenzene	6.292	112	557984	50.0000 ug/L	100
86) 1,1,1,2-tetrachloroethane	6.339	131	205145	50.0000 ug/L	100
87) ethylbenzene	6.324	91	950050	50.0000 ug/L	100
88) m,p-xylene	6.413	106	753644	100.0000 ug/L	100
89) o-xylene	6.659	106	354717	50.0000 ug/L	100
90) styrene	6.691	104	610005	50.0000 ug/L	100
91) bromoform	6.696	173	173713	50.0000 ug/L	100
92) butyl acrylate	6.780	55	361149	50.0000 ug/L	100
93) n-amyl acetate	6.921	70	150409	50.0000 ug/L	100
94) isopropylbenzene	6.837	105	940809	50.0000 ug/L	100
95) cis-1,4-dichloro-2-butene	7.021	88	106249	50.0000 ug/L	100
98) bromobenzene	7.037	156	231913	50.0000 ug/L	100
99) 1,1,2,2-tetrachloroethane	7.100	83	288056	50.0000 ug/L	100
100) trans-1,4-dichloro-2-b...	7.183	53	77230	49.0268 ug/L	98
101) 1,2,3-trichloropropane	7.162	110	104859	50.0000 ug/L	100
102) n-propylbenzene	7.063	91	1124386	50.0000 ug/L	100
103) 2-chlorotoluene	7.136	126	217757	50.0000 ug/L	100
104) 4-chlorotoluene	7.220	91	703454	50.0000 ug/L	100
105) 1,3,5-trimethylbenzene	7.168	105	827916	50.0000 ug/L	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VT579\
Data File : 1T24008.D
Acq On : 18 Sep 2025 01:29 pm
Operator : edwardd
Sample : icc579-50
Misc : MS96870,V1T0579,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 19 09:49:26 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 09:47:02 2025
Response via : Initial Calibration

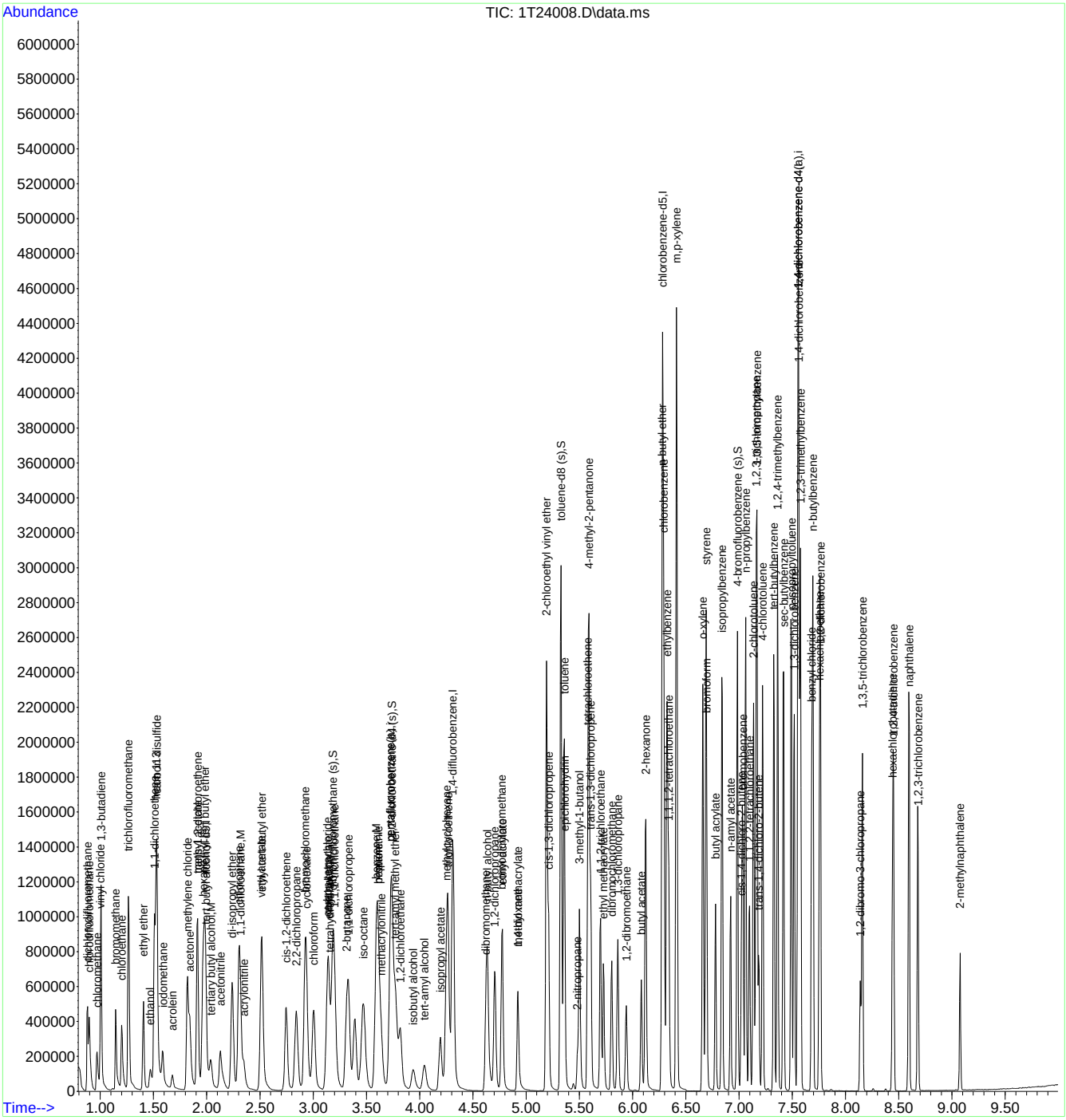
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
106) tert-butylbenzene	7.325	119	652681	50.0000	ug/L	100
107) 1,2,4-trimethylbenzene	7.362	105	852740	50.0000	ug/L	100
108) sec-butylbenzene	7.419	105	957993	50.0000	ug/L	100
109) 1,3-dichlorobenzene	7.519	146	462898	50.0000	ug/L	100
110) p-isopropyltoluene	7.493	119	845626	50.0000	ug/L	100
111) 1,4-dichlorobenzene	7.561	146	476791	50.0000	ug/L	100
112) 1,2-dichlorobenzene	7.765	146	437966	50.0000	ug/L	100
113) 1,2,3-trimethylbenzene	7.577	105	883697	50.0000	ug/L	100
114) n-butylbenzene	7.692	134	197555	50.0000	ug/L	100
115) 1,2-dibromo-3-chloropr...	8.138	157	82977	50.0000	ug/L	100
116) 1,3,5-trichlorobenzene	8.159	180	293354	50.0000	ug/L	100
117) 1,2,4-trichlorobenzene	8.452	180	255481	50.0000	ug/L	100
118) hexachlorobutadiene	8.442	225	100808	50.0000	ug/L	100
119) naphthalene	8.599	128	866017	50.0000	ug/L	100
120) 1,2,3-trichlorobenzene	8.683	180	245792	50.0000	ug/L	100
121) hexachloroethane	7.755	119	153787	50.0000	ug/L	100
122) benzyl chloride	7.682	126	132739	50.0000	ug/L	100
123) 2-methylnaphthalene	9.076	142	172140	25.0000	ug/L	100

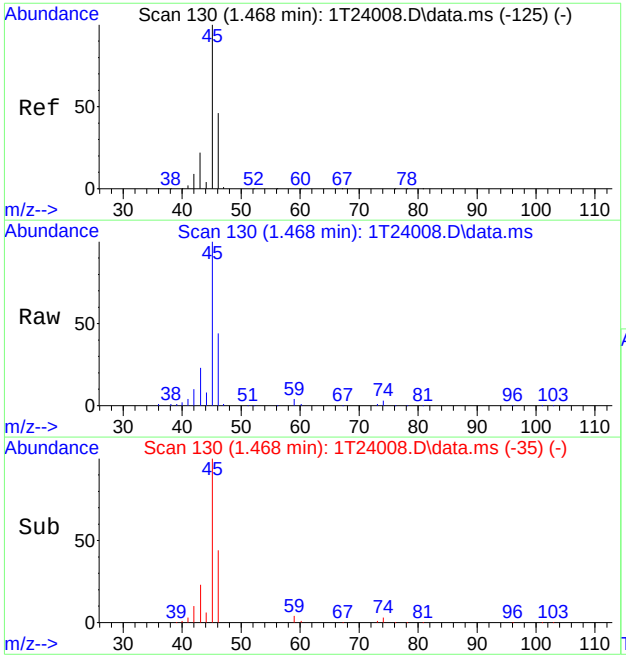
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VT579\
Data File : 1T24008.D
Acq On : 18 Sep 2025 01:29 pm
Operator : edwardd
Sample : icc579-50
Misc : MS96870,V1T0579,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 19 09:49:26 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 09:47:02 2025
Response via : Initial Calibration

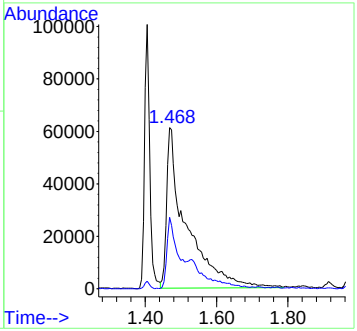


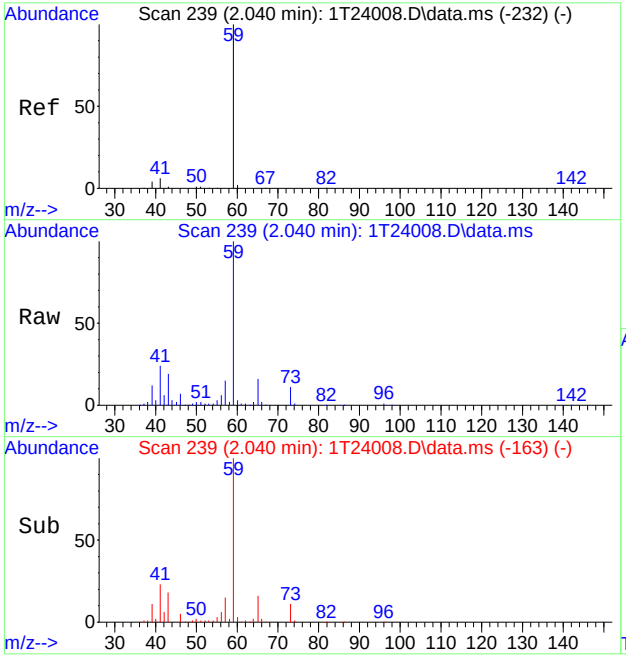


#2
ethanol
Concen: 4919.45 ug/L
RT: 1.468 min Scan# 130
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 45 Resp: 235249

Ion	Ratio	Lower	Upper
45	100		
46	44.5	24.5	64.5

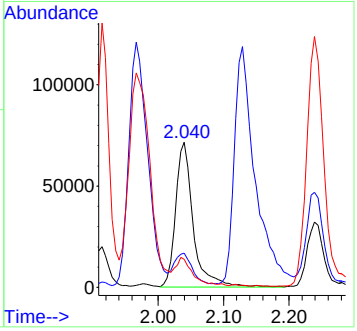


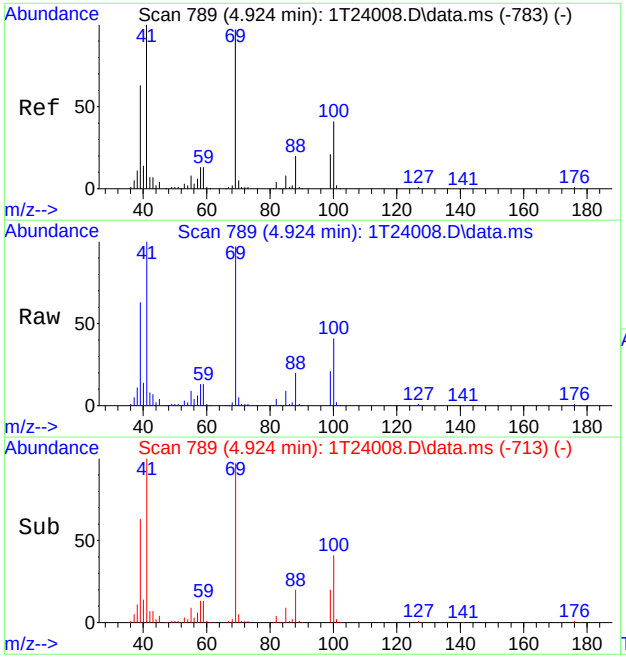


#3
tertiary butyl alcohol
Concen: 250.00 ug/L
RT: 2.040 min Scan# 239
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 59 Resp: 133839

Ion	Ratio	Lower	Upper
59	100		
41	13.1	0.0	43.1
43	18.5	0.0	48.5

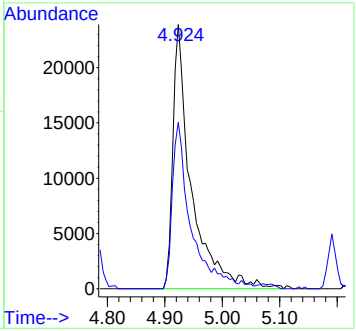


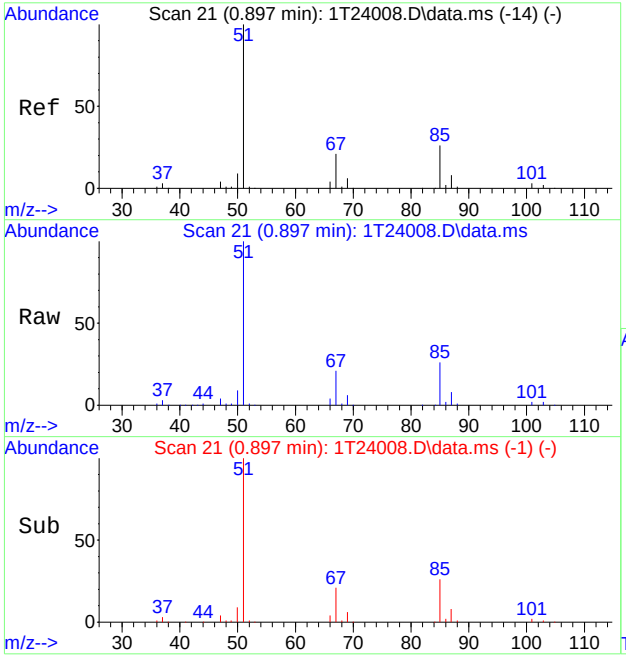


#4
1,4-dioxane
Concen: 1250.00 ug/L
RT: 4.924 min Scan# 789
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 88 Resp: 53271

Ion	Ratio	Lower	Upper
88	100		
58	63.0	43.0	83.0

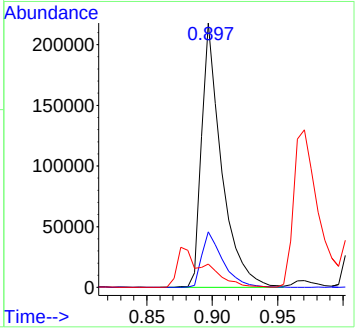


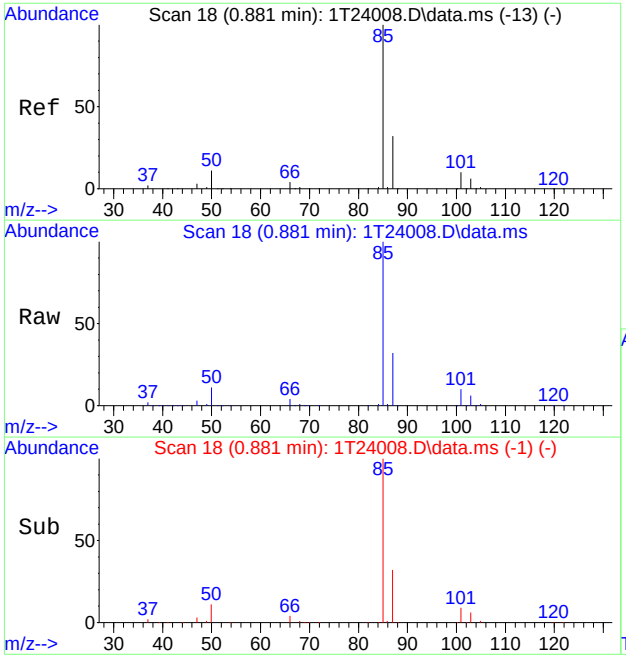


#6
chlorodifluoromethane
Concen: 50.00 ug/L
RT: 0.897 min Scan# 21
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 51 Resp: 231430

Ion	Ratio	Lower	Upper
51	100		
67	21.0	0.0	51.0
50	8.8	0.0	38.8

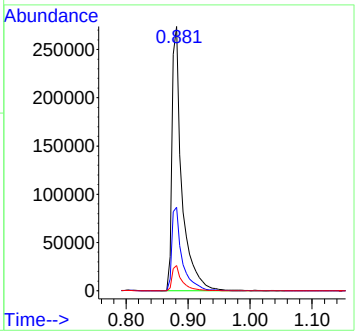


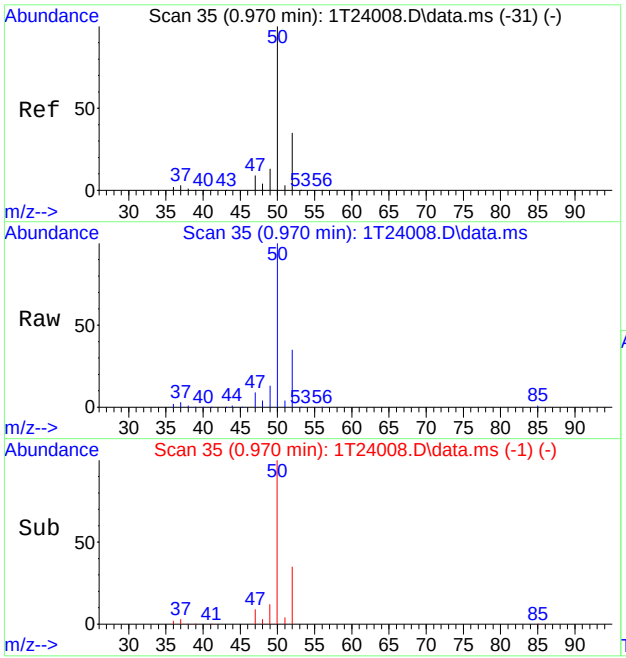


#7
dichlorodifluoromethane
Concen: 50.00 ug/L
RT: 0.881 min Scan# 18
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 85 Resp: 304192

Ion	Ratio	Lower	Upper
85	100		
87	31.6	1.6	61.6
101	9.6	0.0	39.6

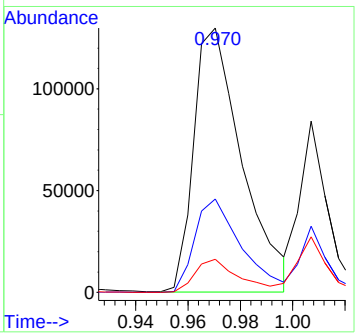


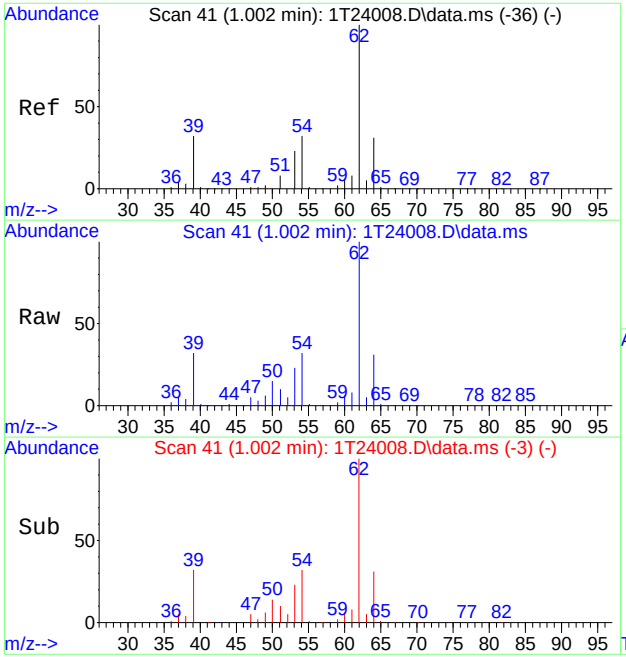


#8
chloromethane
Concen: 49.98 ug/L
RT: 0.970 min Scan# 35
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 50 Resp: 167267

Ion	Ratio	Lower	Upper
50	100		
52	35.4	5.4	65.4
49	12.5	0.0	42.5

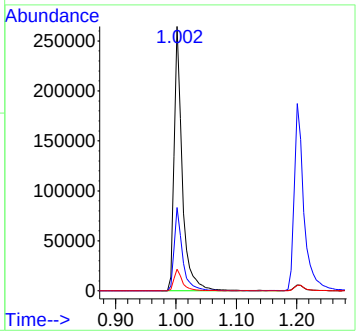


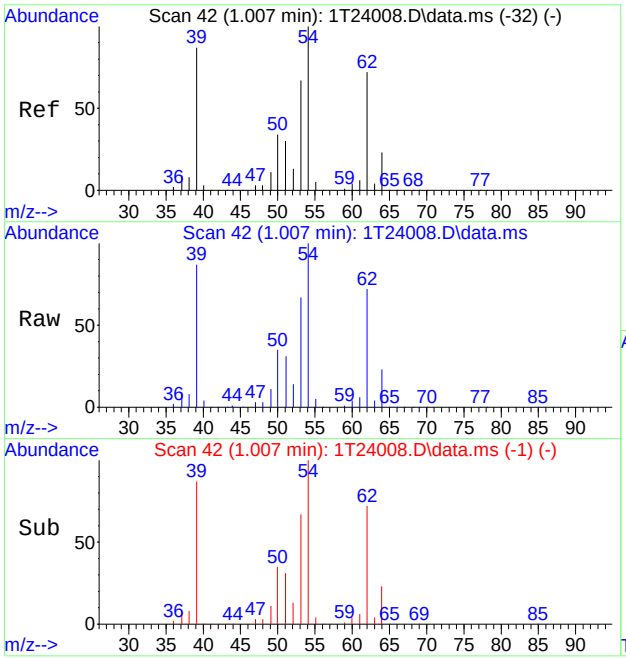


#9
vinyl chloride
Concen: 50.00 ug/L
RT: 1.002 min Scan# 41
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 62 Resp: 246600

Ion	Ratio	Lower	Upper
62	100		
64	31.5	1.5	61.5
61	8.2	0.0	38.2

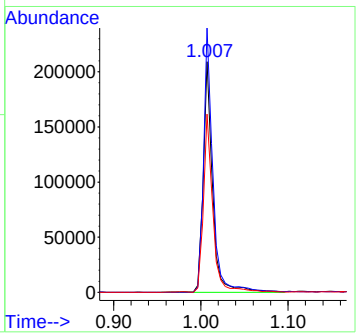


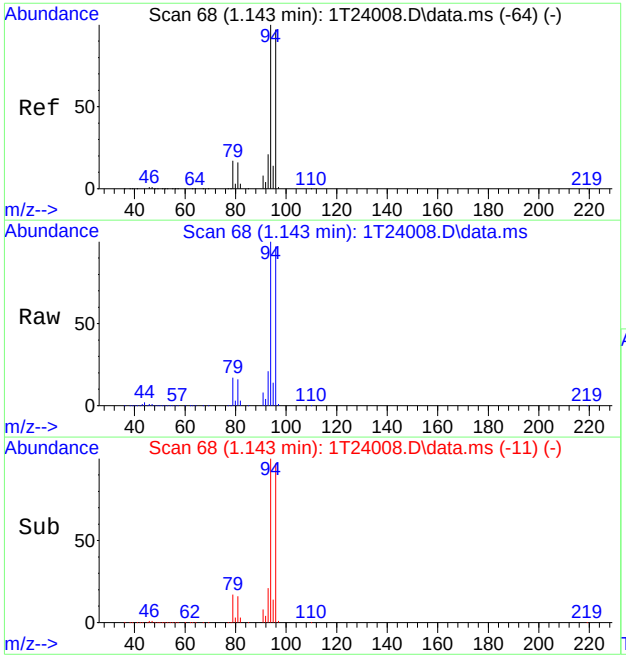


#10
1,3-butadiene
Concen: 50.00 ug/L
RT: 1.007 min Scan# 42
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 39 Resp: 157578

Ion	Ratio	Lower	Upper
39	100		
54	114.6	84.6	144.6
53	77.3	47.3	107.3

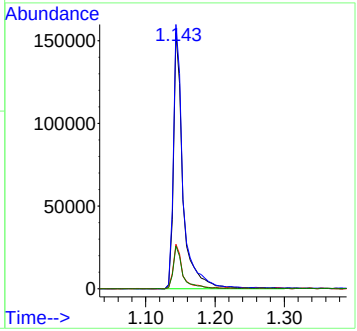


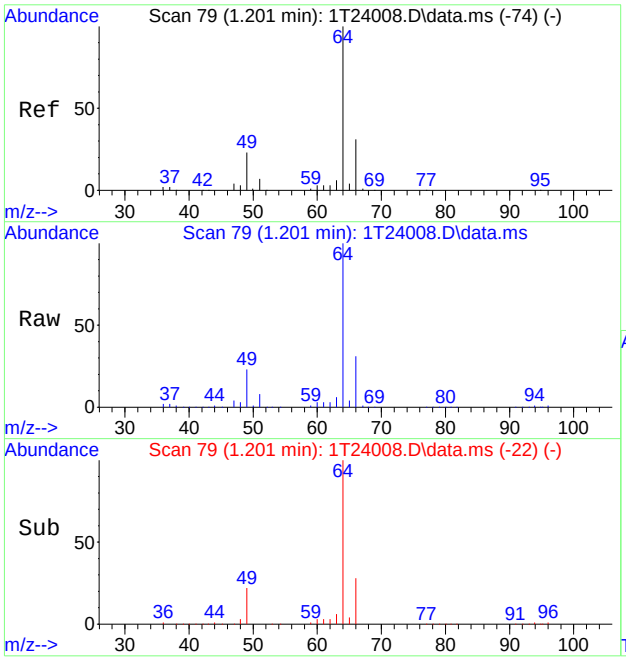


#11
bromomethane
Concen: 50.00 ug/L
RT: 1.143 min Scan# 68
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 96 Resp: 150757

Ion	Ratio	Lower	Upper
96	100		
94	103.2	73.2	133.2
79	17.3	17.3	17.3#
81	16.8	0.0	36.8

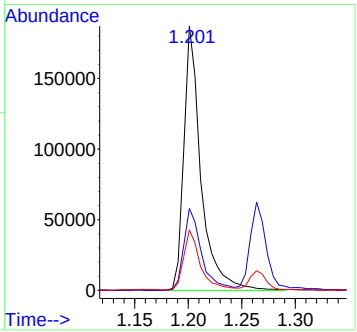


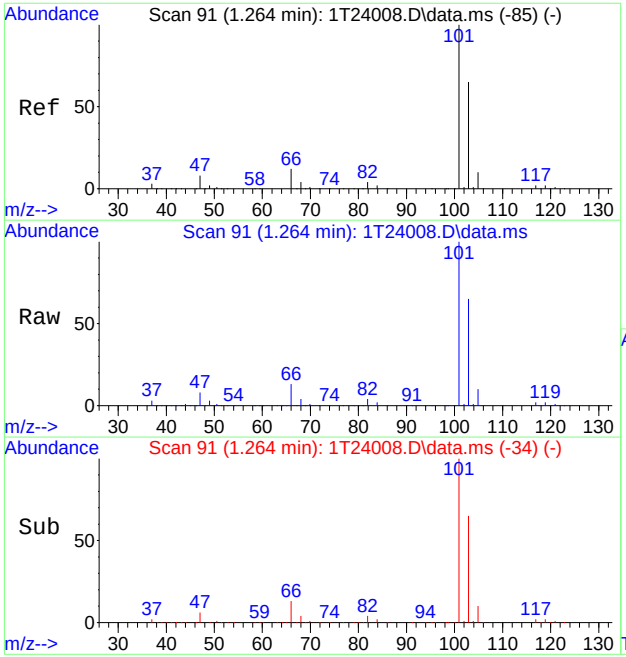


#12
chloroethane
Concen: 50.00 ug/L
RT: 1.201 min Scan# 79
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 64 Resp: 208949

Ion	Ratio	Lower	Upper
64	100		
66	30.9	0.9	60.9
49	22.7	0.0	52.7

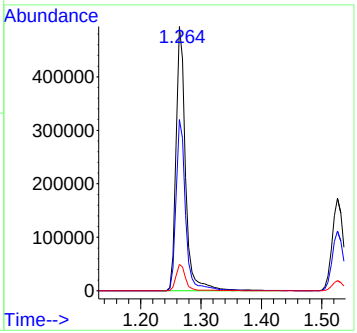


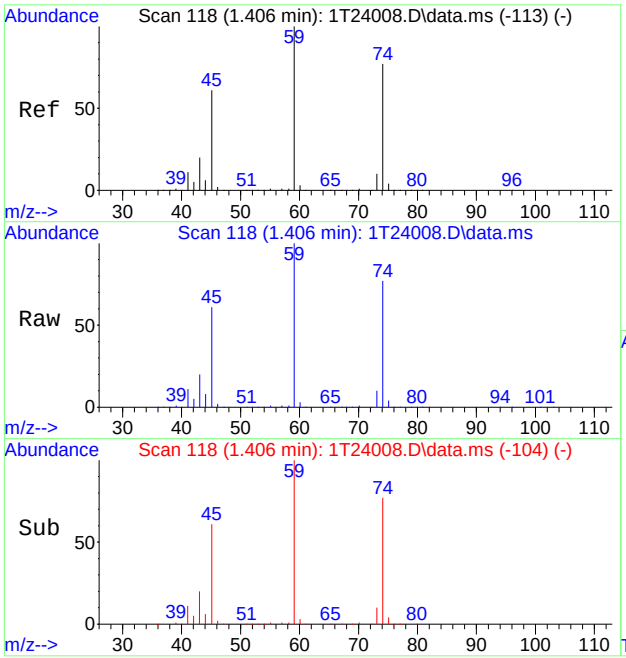


#13
trichlorofluoromethane
Concen: 49.97 ug/L
RT: 1.264 min Scan# 91
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion:101 Resp: 542503

Ion	Ratio	Lower	Upper
101	100		
103	64.8	34.8	94.8
105	10.0	0.0	40.0

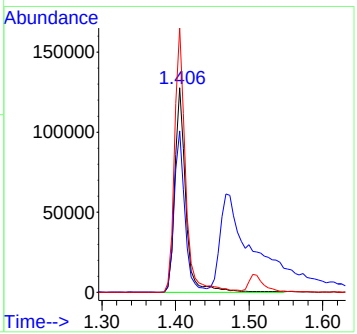


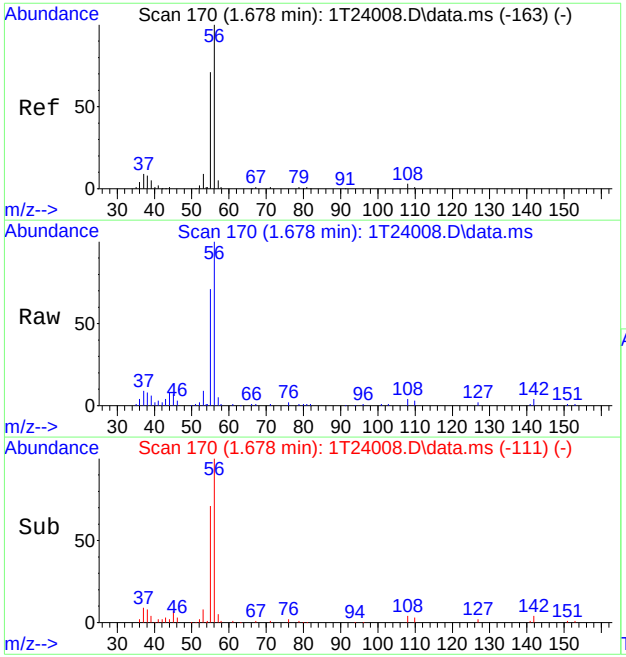


#14
ethyl ether
Concen: 50.00 ug/L
RT: 1.406 min Scan# 118
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 74 Resp: 134075

Ion	Ratio	Lower	Upper
74	100		
45	78.9	48.9	108.9
59	129.2	99.2	159.2

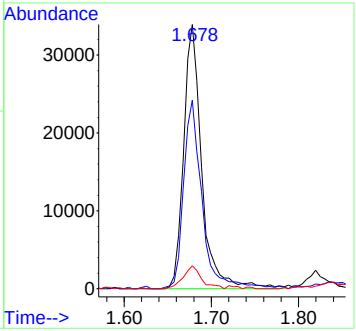


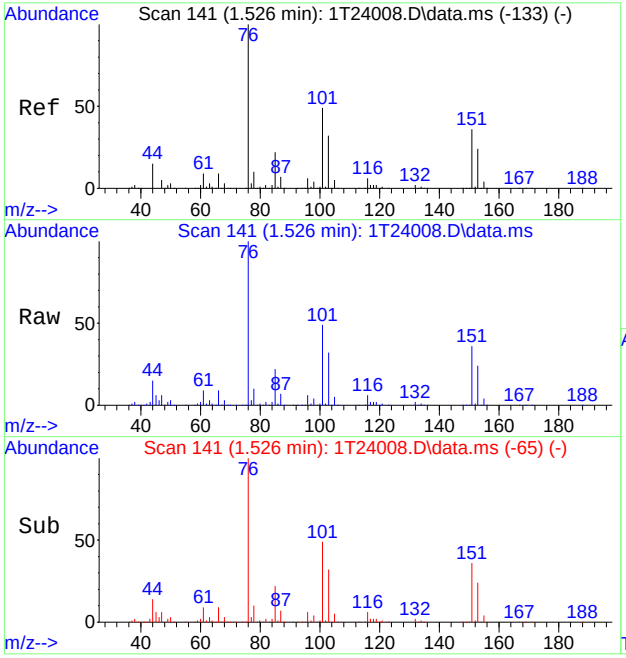


#15
acrolein
Concen: 50.00 ug/L
RT: 1.678 min Scan# 170
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 56 Resp: 49123

Ion	Ratio	Lower	Upper
56	100		
55	71.3	41.3	101.3
53	8.7	0.0	38.7

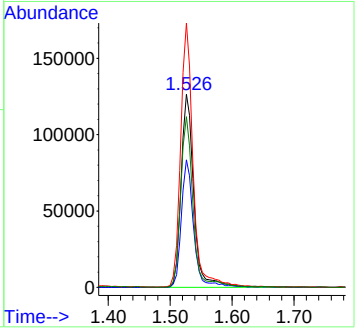


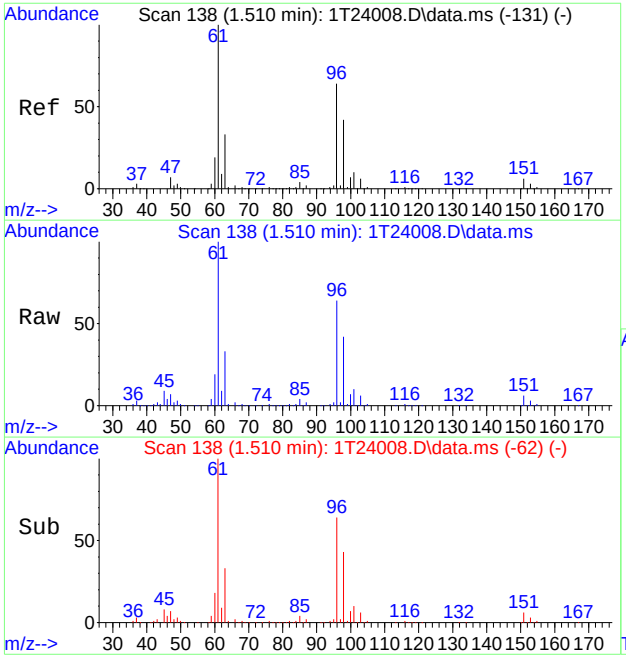


#16
freon 113
Concen: 50.00 ug/L
RT: 1.526 min Scan# 141
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion:151 Resp: 182231

Ion	Ratio	Lower	Upper
151	100		
153	66.1	46.1	86.1
101	136.7	116.7	156.7
103	88.3	68.3	108.3

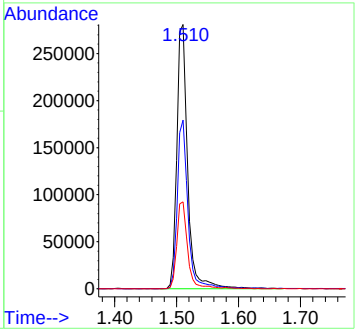


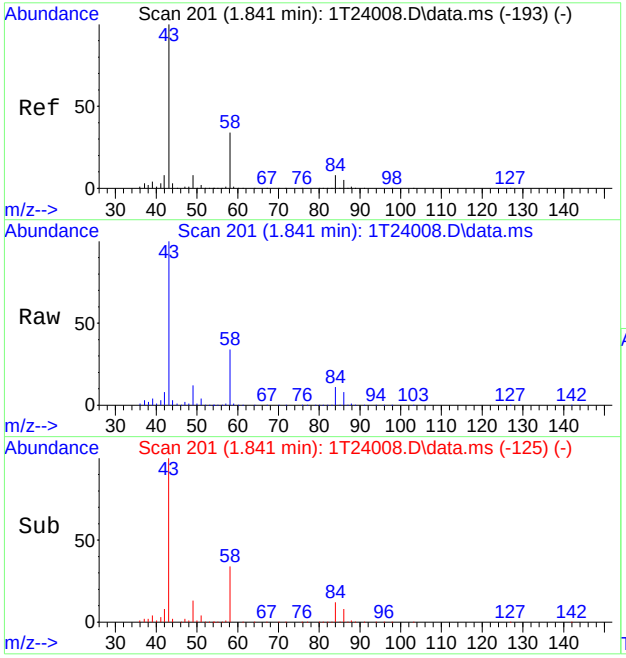


#17
1,1-dichloroethene
Concen: 50.00 ug/L
RT: 1.510 min Scan# 138
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 61 Resp: 341186

Ion	Ratio	Lower	Upper
61	100		
96	63.7	33.7	93.7
63	32.8	2.8	62.8

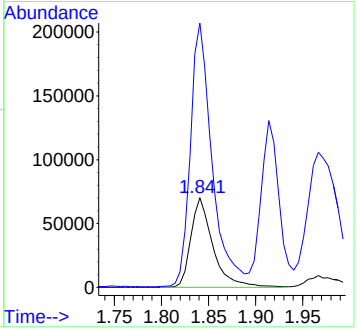


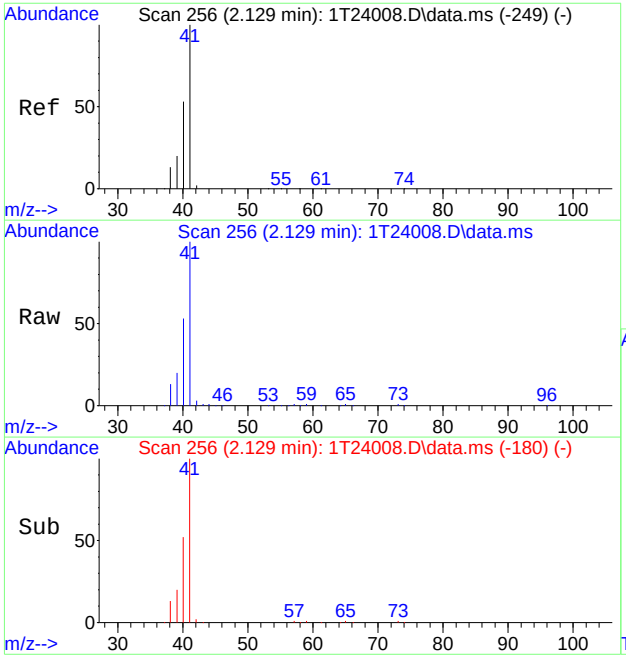


#18
acetone
Concen: 200.00 ug/L
RT: 1.841 min Scan# 201
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 58 Resp: 115110

Ion	Ratio	Lower	Upper
58	100		
43	293.8	263.8	323.8

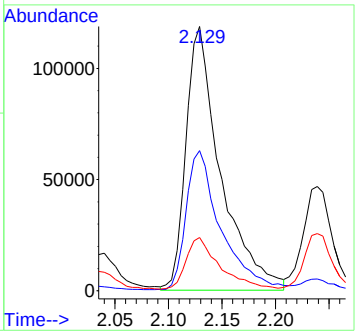


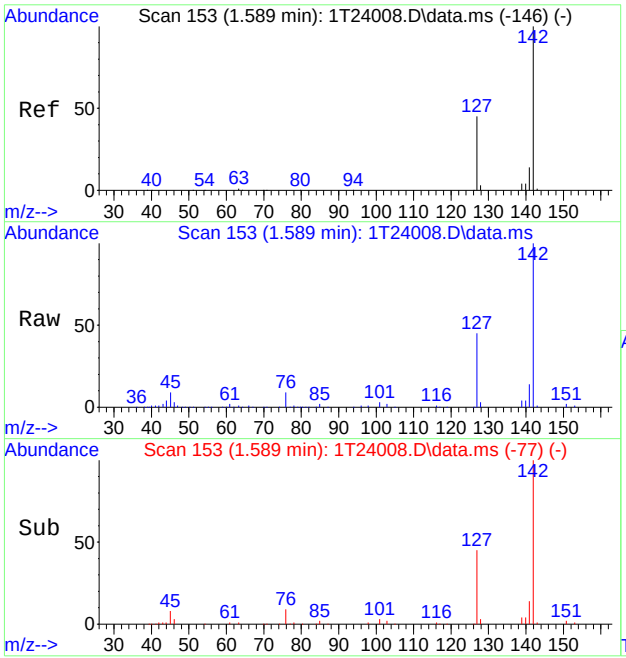


#19
acetonitrile
Concen: 500.00 ug/L
RT: 2.129 min Scan# 256
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 41 Resp: 267024

Ion	Ratio	Lower	Upper
41	100		
40	53.2	23.2	83.2
39	19.8	0.0	49.8

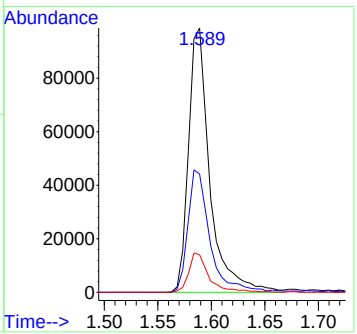


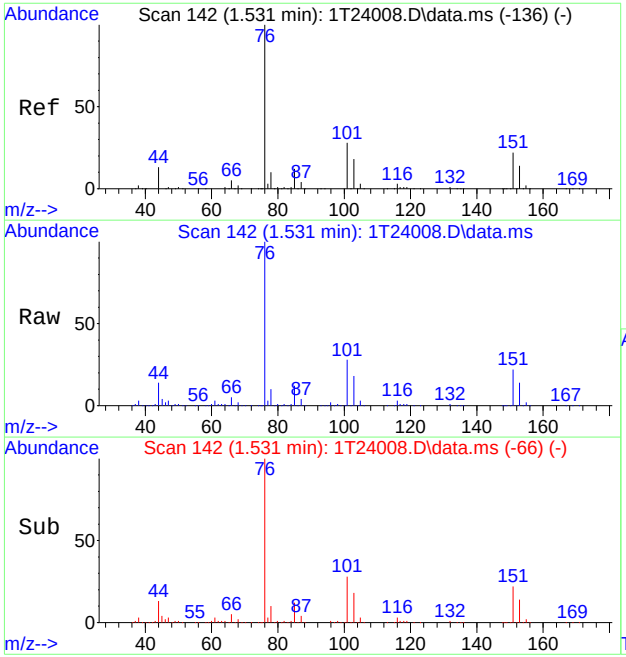


#20
iodomethane
Concen: 50.00 ug/L
RT: 1.589 min Scan# 153
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion:142 Resp: 137243

Ion	Ratio	Lower	Upper
142	100		
127	44.7	14.7	74.7
141	14.3	0.0	44.3

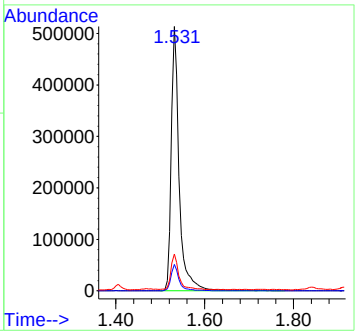


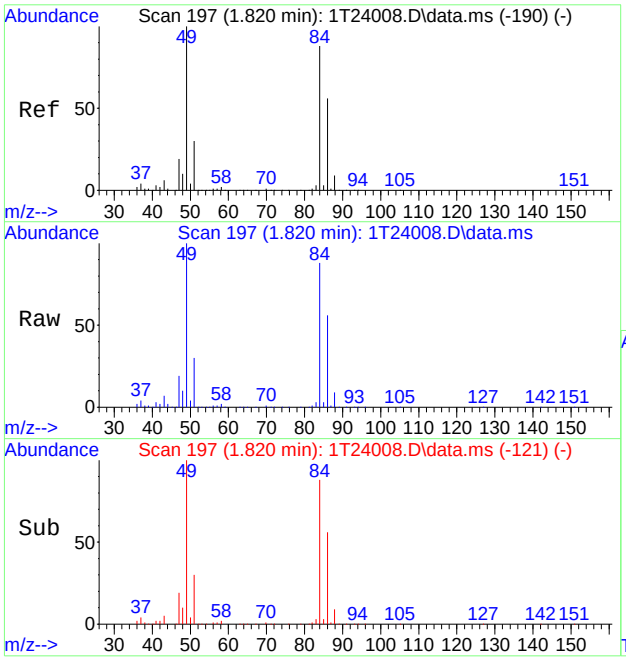


#21
carbon disulfide
Concen: 50.00 ug/L
RT: 1.531 min Scan# 142
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 76 Resp: 633302

Ion	Ratio	Lower	Upper
76	100		
78	10.0	0.0	40.0
44	13.4	0.0	43.4

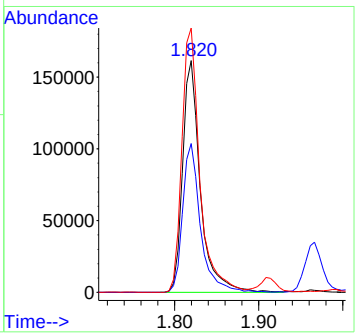


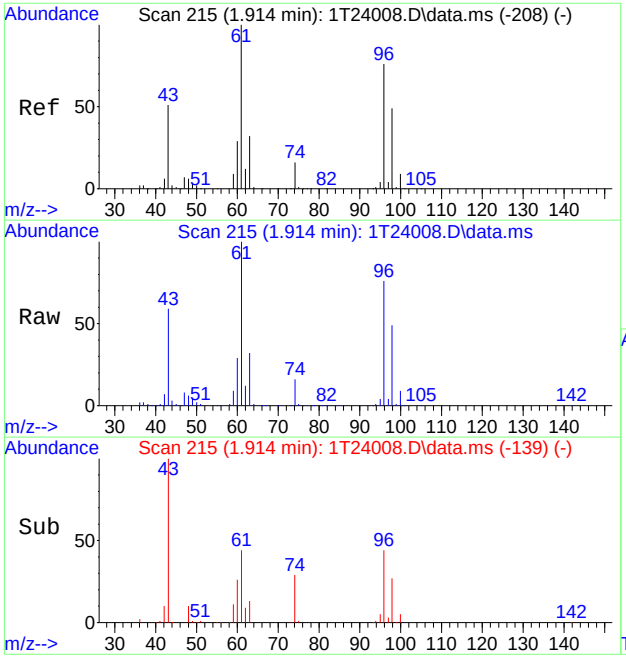


#22
methylene chloride
Concen: 50.00 ug/L
RT: 1.820 min Scan# 197
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 84 Resp: 237014

Ion	Ratio	Lower	Upper
84	100		
86	64.2	34.2	94.2
49	114.0	84.0	144.0

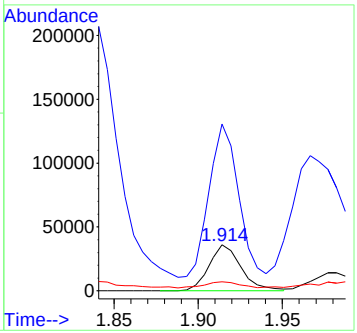


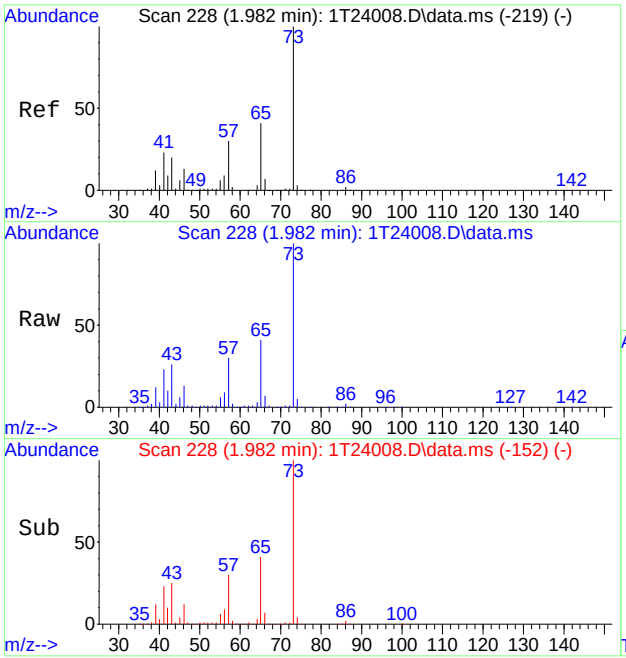


#23
methyl acetate
Concen: 50.00 ug/L
RT: 1.914 min Scan# 215
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 74 Resp: 47836

Ion	Ratio	Lower	Upper
74	100		
43	312.8	282.8	342.8
44	12.2	0.0	42.2

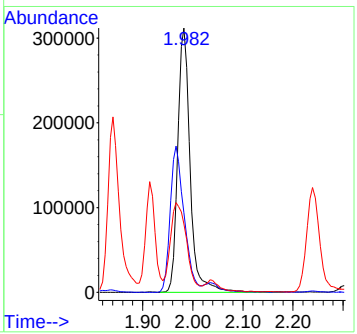


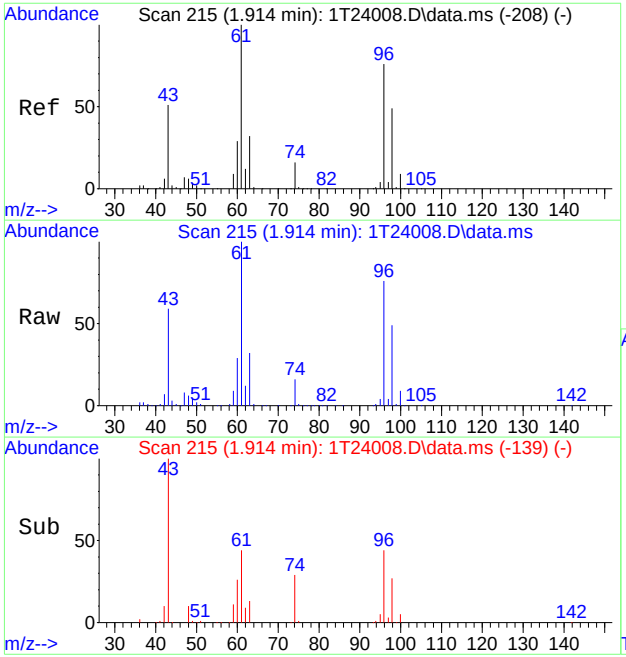


#24
methyl tert butyl ether
Concen: 50.00 ug/L
RT: 1.982 min Scan# 228
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 73 Resp: 537450

Ion	Ratio	Lower	Upper
73	100		
57	30.0	0.0	60.0
43	25.7	0.0	55.7

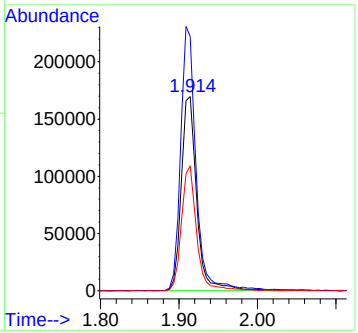


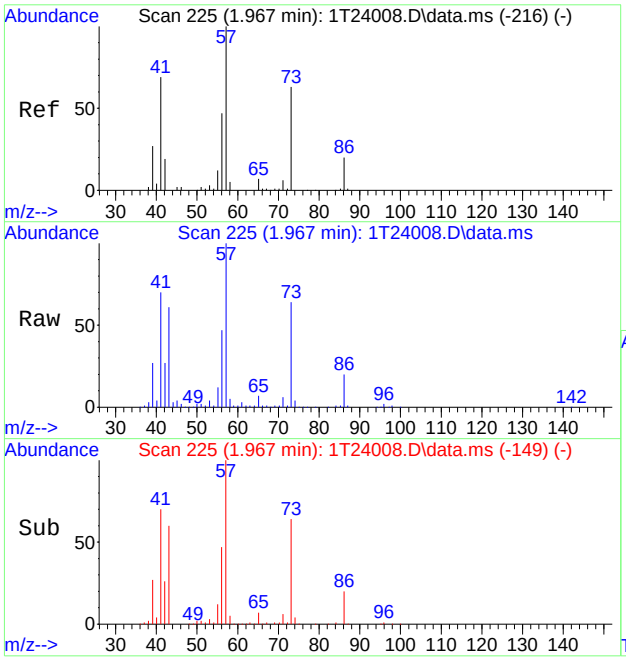


#25
trans-1,2-dichloroethene
Concen: 50.00 ug/L
RT: 1.914 min Scan# 215
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 96 Resp: 233624

Ion	Ratio	Lower	Upper
96	100		
61	131.0	101.0	161.0
98	64.5	34.5	94.5

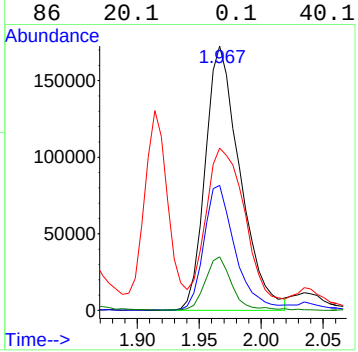


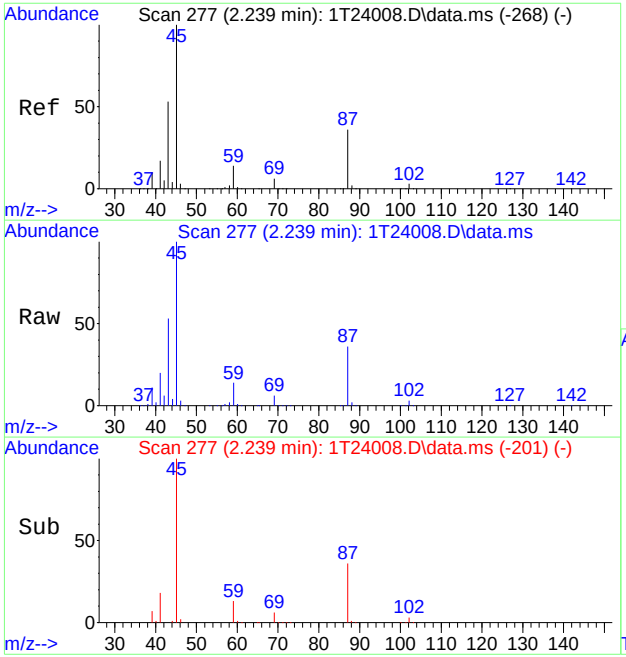


#26
hexane
Concen: 100.00 ug/L
RT: 1.967 min Scan# 225
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 57 Resp: 336088

Ion	Ratio	Lower	Upper
57	100		
56	47.2	27.2	67.2
43	57.1	37.1	77.1
86	20.1	0.1	40.1

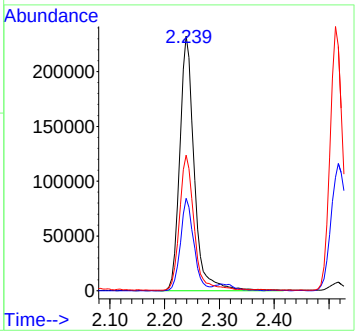


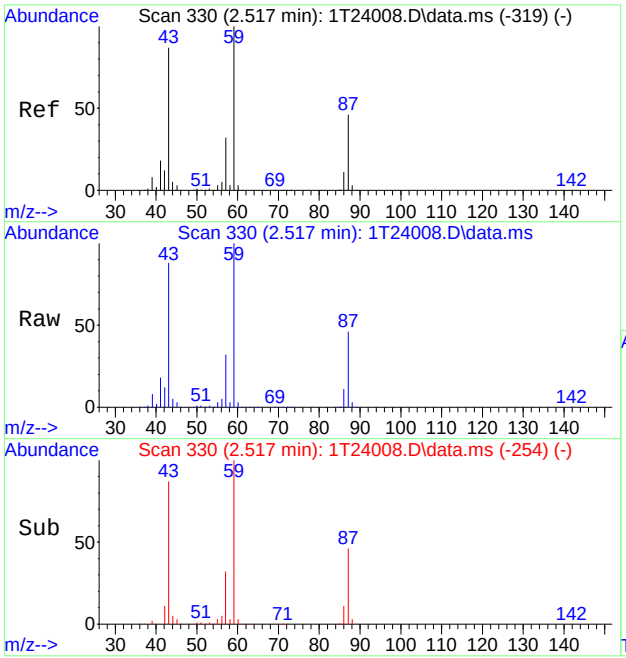


#27
di-isopropyl ether
Concen: 50.00 ug/L
RT: 2.239 min Scan# 277
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 45 Resp: 431452

Ion	Ratio	Lower	Upper
45	100		
87	36.3	6.3	66.3
43	53.0	23.0	83.0

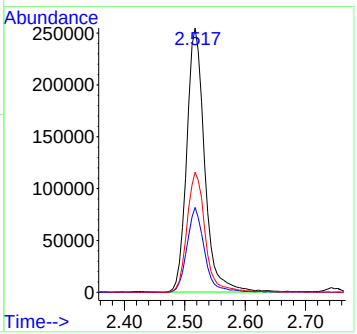


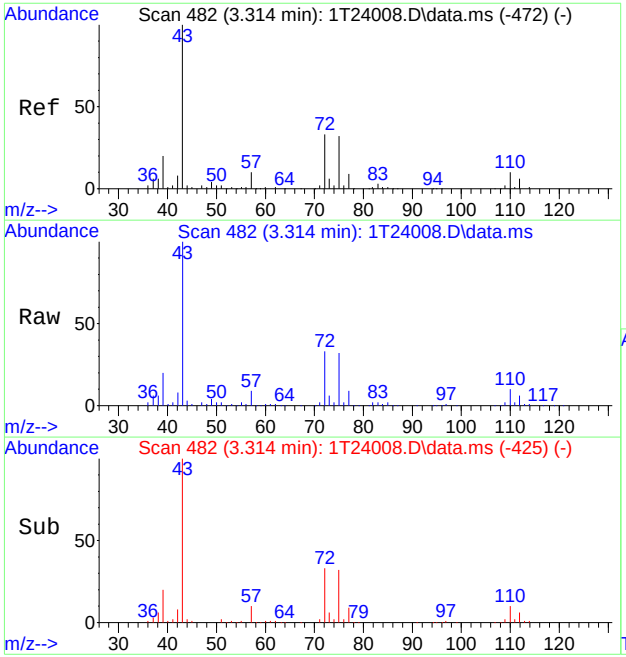


#28
ethyl tert-butyl ether
Concen: 50.00 ug/L
RT: 2.517 min Scan# 330
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 59 Resp: 525262

Ion	Ratio	Lower	Upper
59	100		
57	32.1	2.1	62.1
87	45.5	15.5	75.5

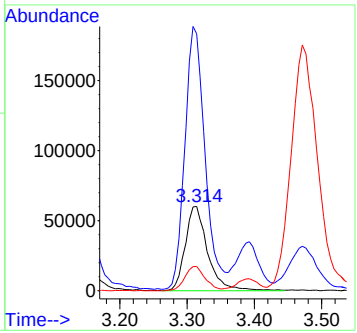


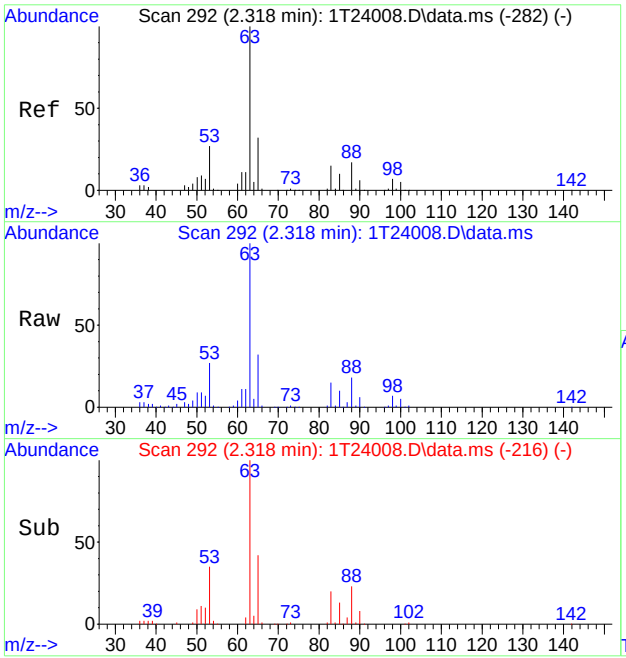


#29
2-butanone
Concen: 200.00 ug/L
RT: 3.314 min Scan# 482
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 72 Resp: 139939

Ion	Ratio	Lower	Upper
72	100		
43	303.9	273.9	333.9
57	28.9	0.0	58.9

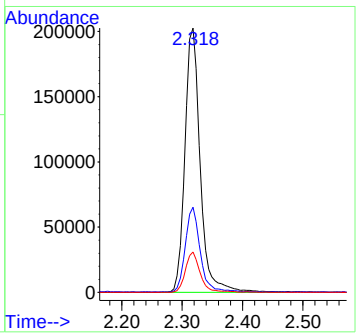


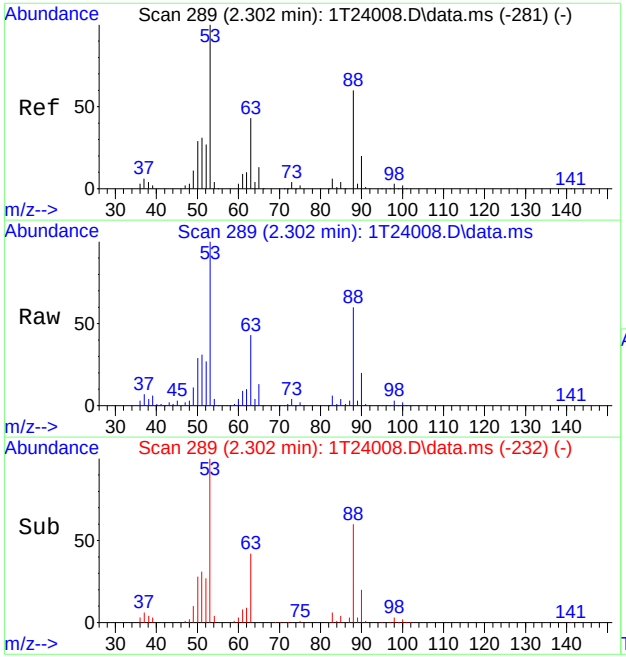


#30
1,1-dichloroethane
Concen: 50.00 ug/L
RT: 2.318 min Scan# 292
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 63 Resp: 357574

Ion	Ratio	Lower	Upper
63	100		
65	32.0	2.0	62.0
83	15.2	0.0	45.2

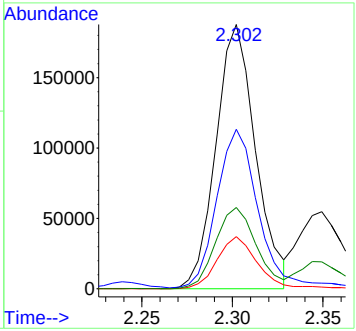


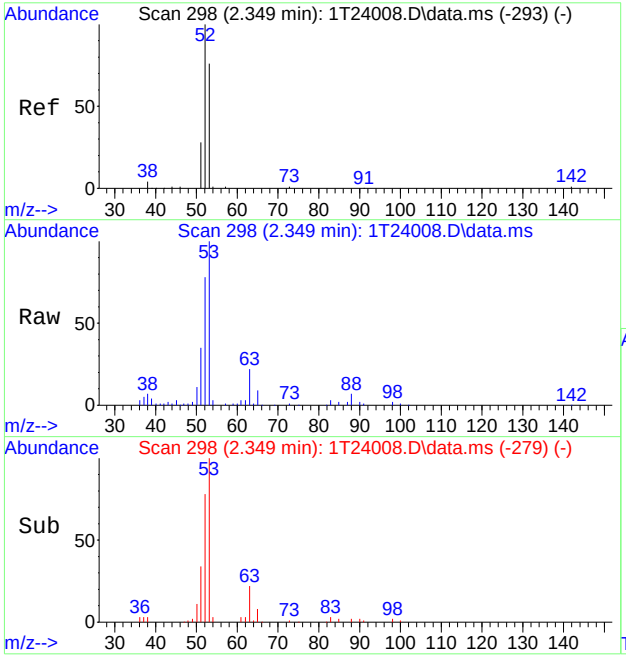


#31
chloroprene
Concen: 50.00 ug/L
RT: 2.302 min Scan# 289
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 53 Resp: 285791

Ion	Ratio	Lower	Upper
53	100		
88	59.5	29.5	89.5
90	19.7	0.0	49.7
51	30.7	0.7	60.7

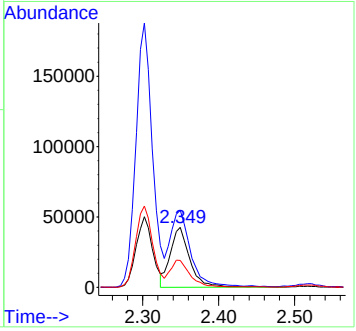


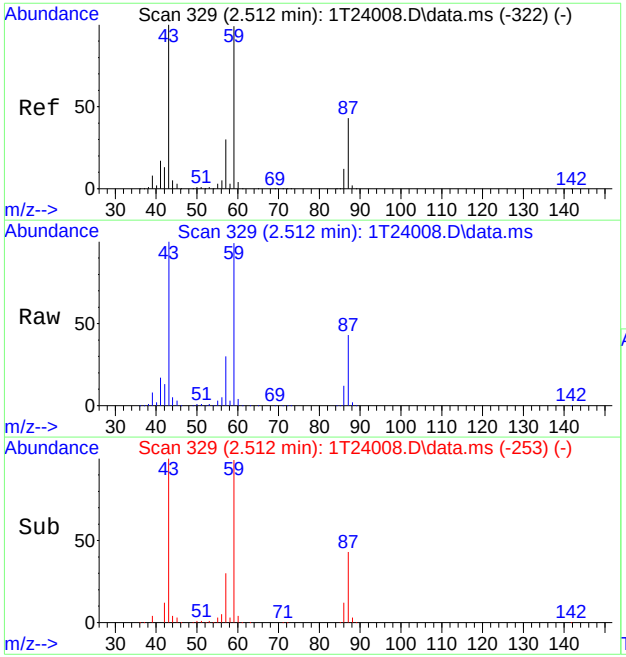


#32
acrylonitrile
Concen: 50.00 ug/L
RT: 2.349 min Scan# 298
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 52 Resp: 75868

Ion	Ratio	Lower	Upper
52	100		
53	126.8	96.8	156.8
51	44.4	14.4	74.4

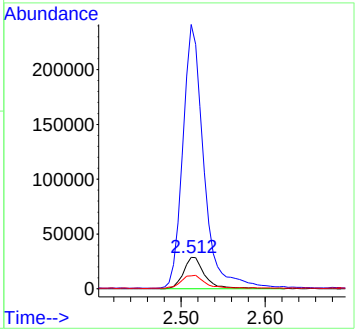


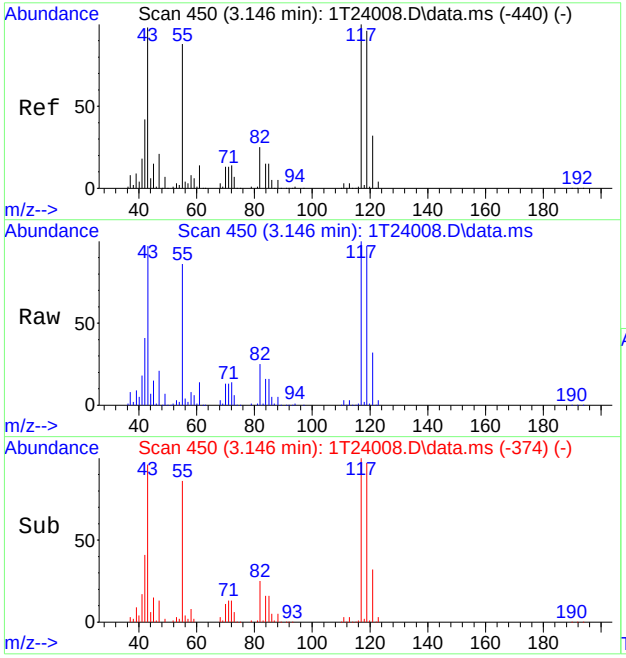


#33
vinyl acetate
Concen: 50.00 ug/L
RT: 2.512 min Scan# 329
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 86 Resp: 50783

Ion	Ratio	Lower	Upper
86	100		
43	835.6	805.6	865.6
44	39.2	9.2	69.2

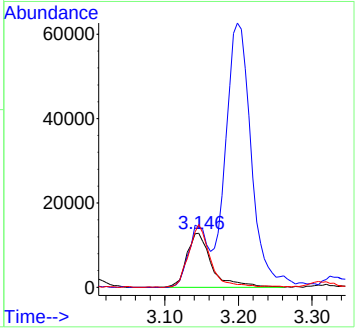


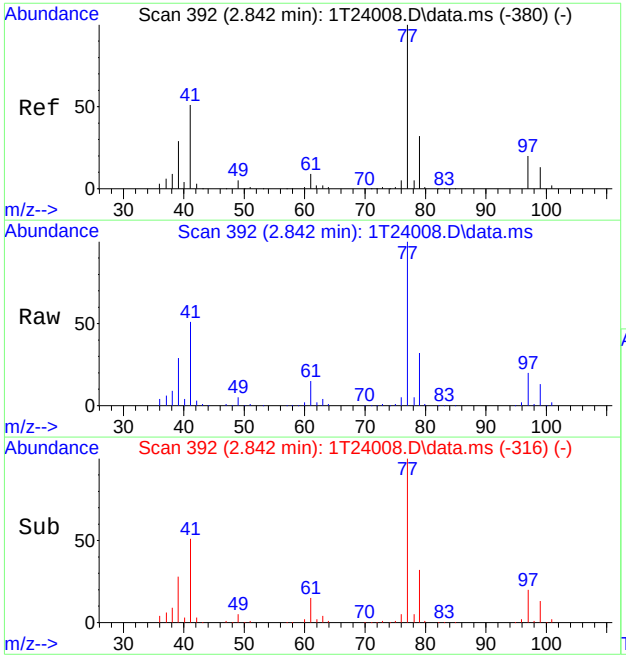


#34
ethyl acetate
Concen: 50.00 ug/L
RT: 3.146 min Scan# 450
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 70 Resp: 30467

Ion	Ratio	Lower	Upper
70	100		
61	111.1	81.1	141.1
45	116.0	86.0	146.0

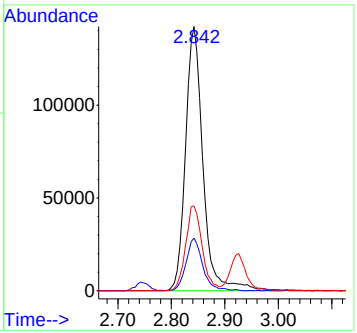


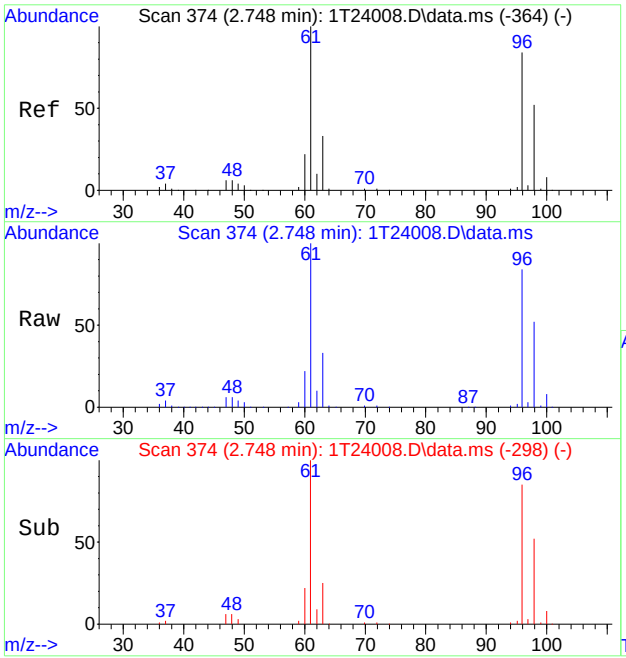


#35
2,2-dichloropropane
Concen: 50.00 ug/L
RT: 2.842 min Scan# 392
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 77 Resp: 323595

Ion	Ratio	Lower	Upper
77	100		
97	20.0	0.0	50.0
79	32.2	2.2	62.2

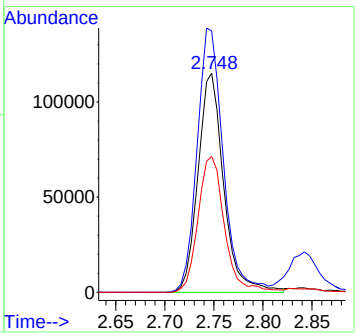


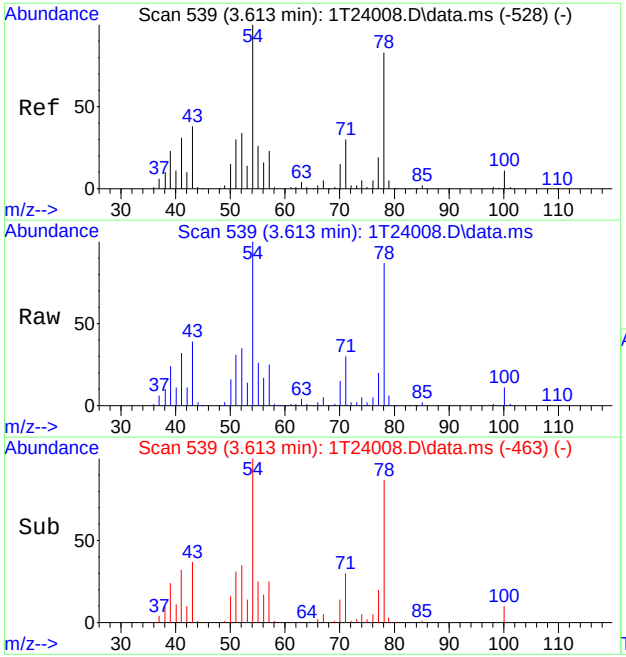


#36
cis-1,2-dichloroethene
Concen: 50.00 ug/L
RT: 2.748 min Scan# 374
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 96 Resp: 210127

Ion	Ratio	Lower	Upper
96	100		
61	119.4	89.4	149.4
98	62.0	32.0	92.0

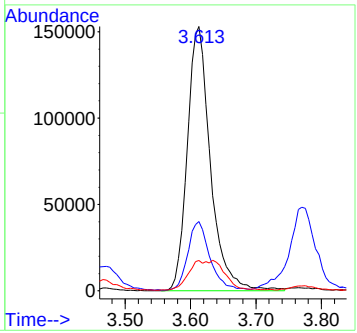


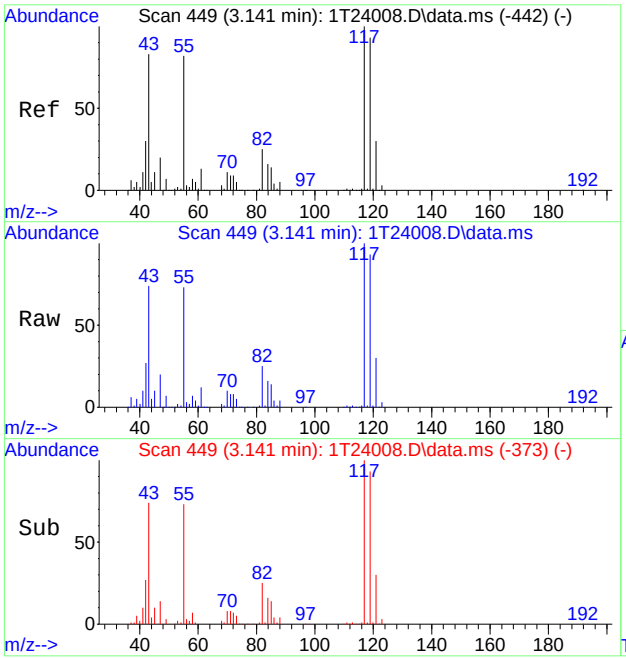


#37
propionitrile
Concen: 500.00 ug/L
RT: 3.613 min Scan# 539
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 54 Resp: 375918

Ion	Ratio	Lower	Upper
54	100		
55	25.9	0.0	55.9
40	11.2	0.0	41.2

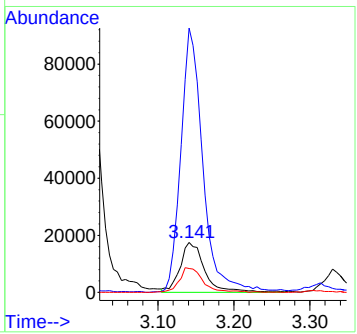


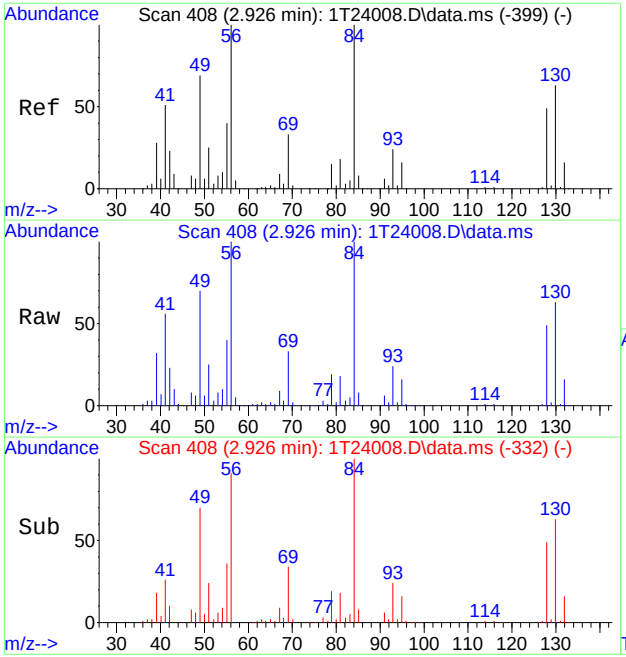


#38
methyl acrylate
Concen: 50.00 ug/L
RT: 3.141 min Scan# 449
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 85 Resp: 39548

Ion	Ratio	Lower	Upper
85	100		
55	532.8	512.8	552.8
58	48.3	28.3	68.3

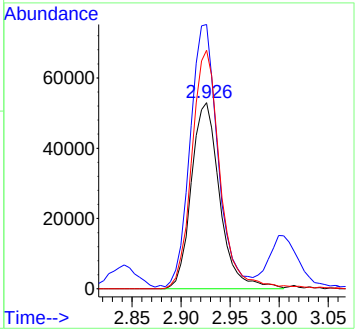


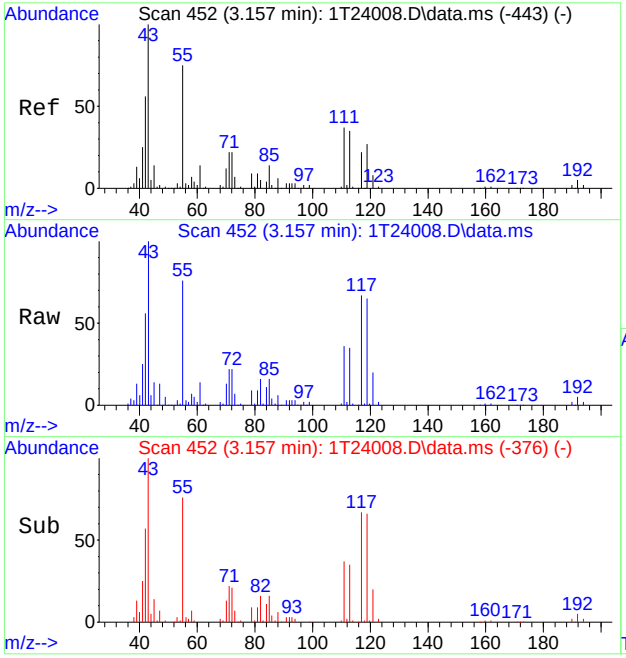


#39
bromochloromethane
Concen: 50.00 ug/L
RT: 2.926 min Scan# 408
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion:128 Resp: 106841

Ion	Ratio	Lower	Upper
128	100		
49	140.2	110.2	170.2
130	128.0	98.0	158.0

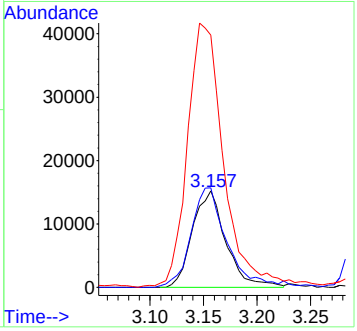


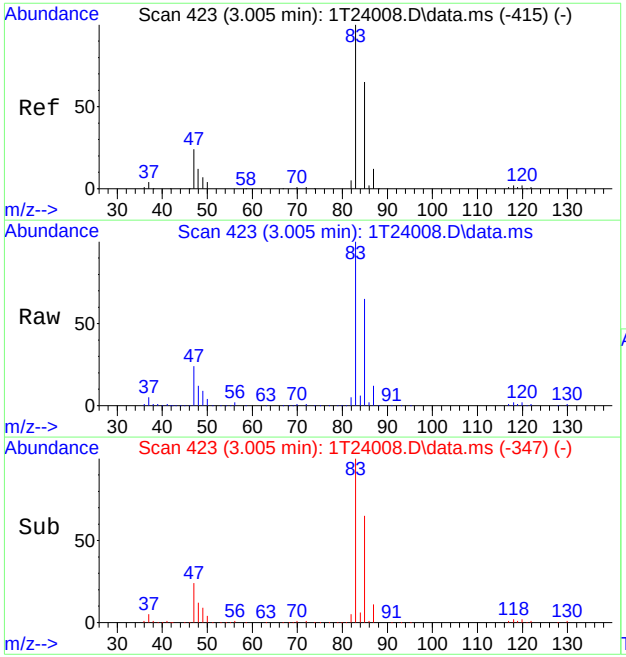


#40
tetrahydrofuran
Concen: 50.00 ug/L
RT: 3.157 min Scan# 452
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 71 Resp: 33116

Ion	Ratio	Lower	Upper
71	100		
72	101.2	71.2	131.2
42	257.1	227.1	287.1

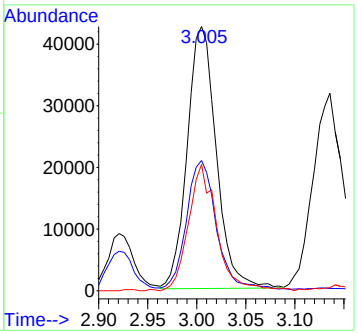


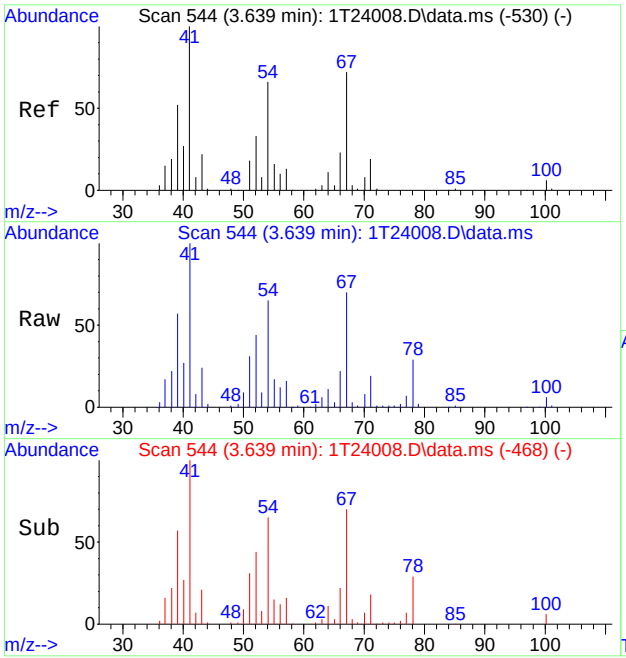


#41
chloroform
Concen: 50.00 ug/L
RT: 3.005 min Scan# 423
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 47 Resp: 87946

Ion	Ratio	Lower	Upper
47	100		
48	49.2	19.2	79.2
87	48.5	18.5	78.5

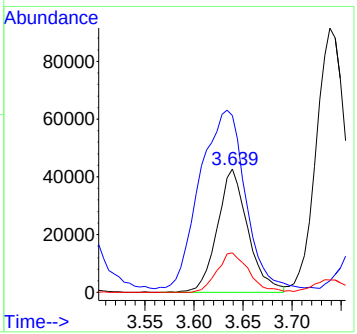


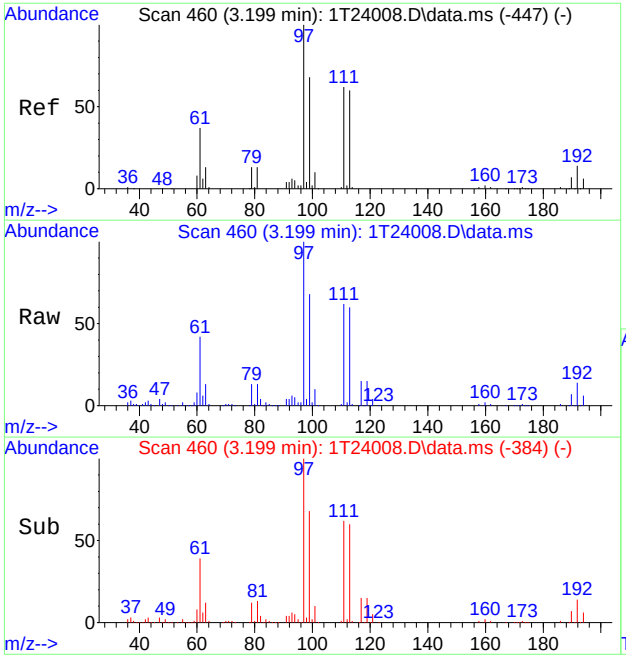


#43
methacrylonitrile
Concen: 50.00 ug/L
RT: 3.639 min Scan# 544
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 67 Resp: 92670

Ion	Ratio	Lower	Upper
67	100		
41	139.1	109.1	169.1
66	32.0	2.0	62.0

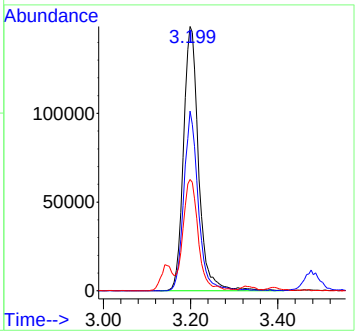


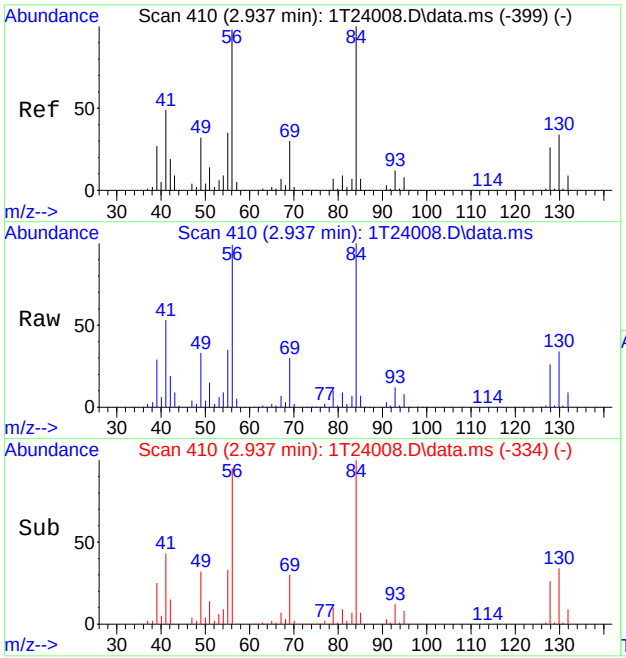


#44
1,1,1-trichloroethane
Concen: 50.00 ug/L
RT: 3.199 min Scan# 460
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 97 Resp: 358874

Ion	Ratio	Lower	Upper
97	100		
99	68.0	38.0	98.0
61	41.6	11.6	71.6

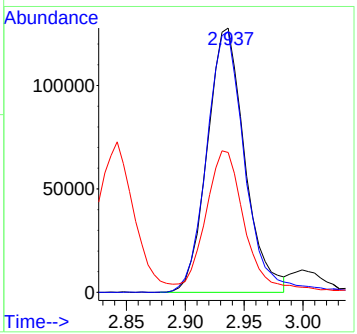


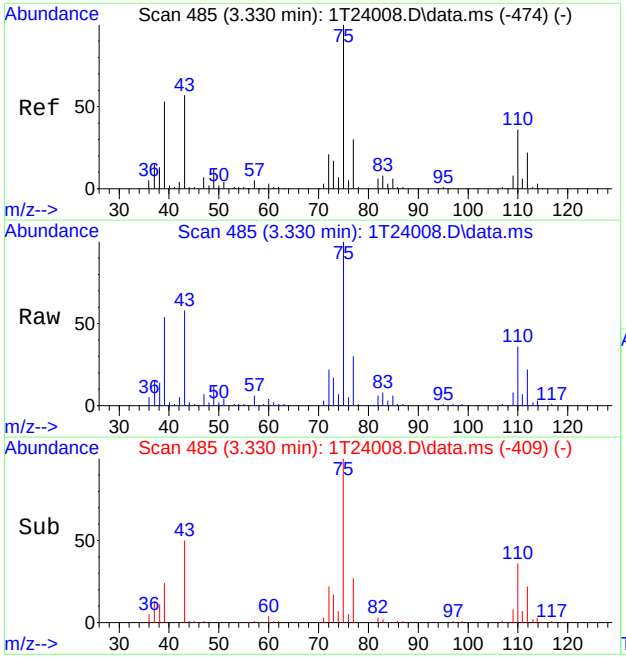


#45
cyclohexane
Concen: 50.00 ug/L
RT: 2.937 min Scan# 410
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 84 Resp: 282482

Ion	Ratio	Lower	Upper
84	100		
56	98.4	78.4	118.4
41	50.2	30.2	70.2

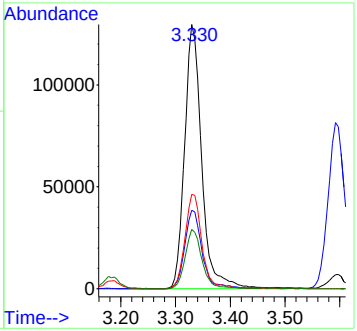


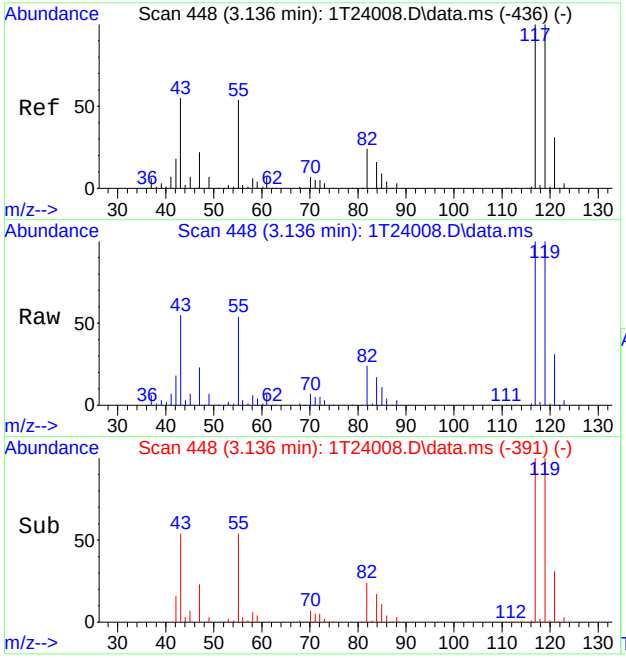


#46
1,1-dichloropropene
Concen: 50.00 ug/L
RT: 3.330 min Scan# 485
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 75 Resp: 282175

Ion	Ratio	Lower	Upper
75	100		
77	29.7	9.7	49.7
110	35.7	15.7	55.7
112	22.4	2.4	42.4

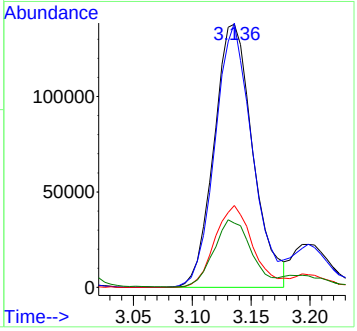


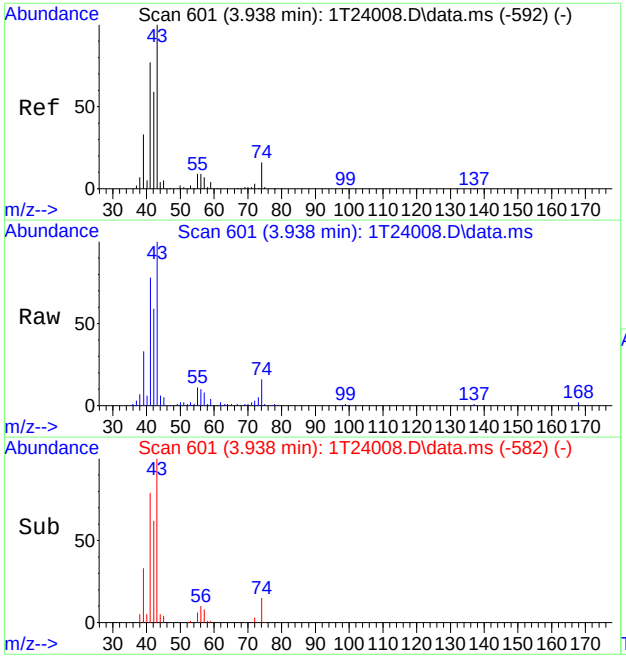


#47
carbon tetrachloride
Concen: 50.00 ug/L
RT: 3.136 min Scan# 448
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion:117 Resp: 317451

Ion	Ratio	Lower	Upper
117	100		
119	100.5	80.5	120.5
121	31.1	11.1	51.1
82	24.2	4.2	44.2

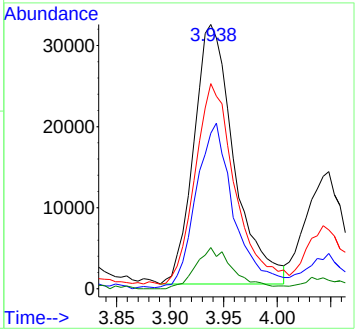


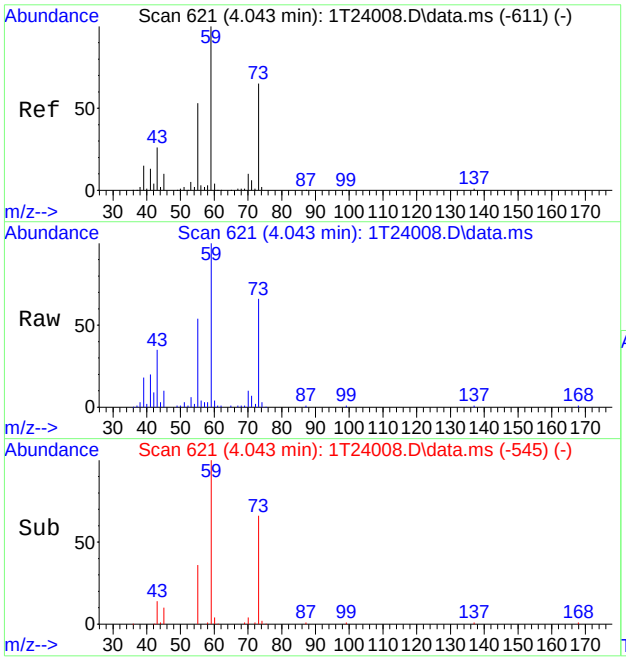


#48
isobutyl alcohol
Concen: 500.00 ug/L
RT: 3.938 min Scan# 601
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 43 Resp: 83881

Ion	Ratio	Lower	Upper
43	100		
42	59.1	39.1	79.1
41	77.3	57.3	97.3
74	15.9	0.0	35.9

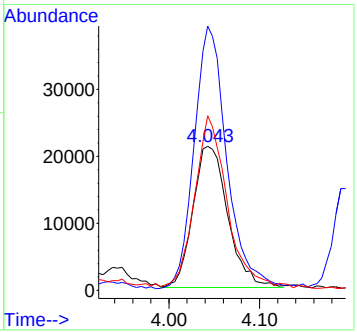


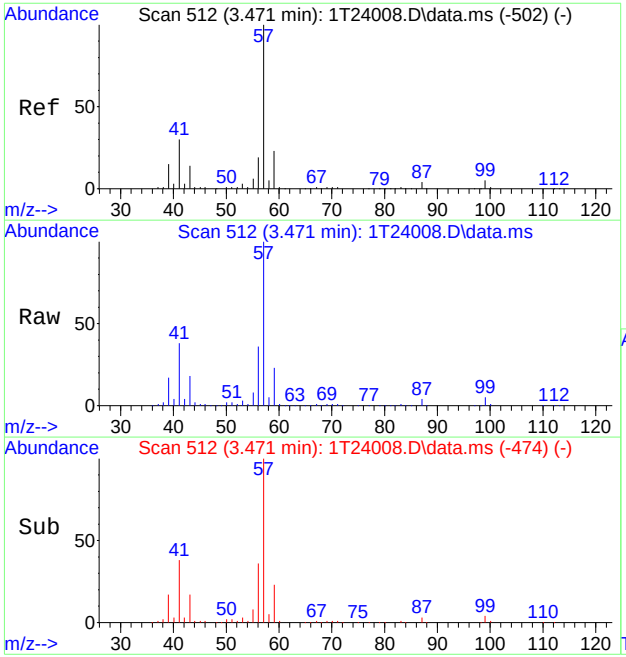


#49
tert-amyl alcohol
Concen: 250.00 ug/L
RT: 4.043 min Scan# 621
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 55 Resp: 56503

Ion	Ratio	Lower	Upper
55	100		
59	187.3	167.3	207.3
73	122.0	102.0	142.0

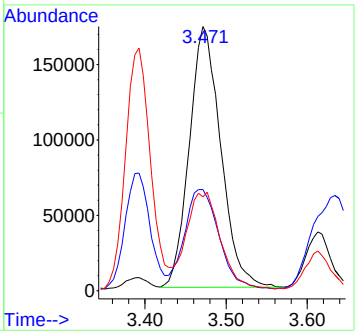


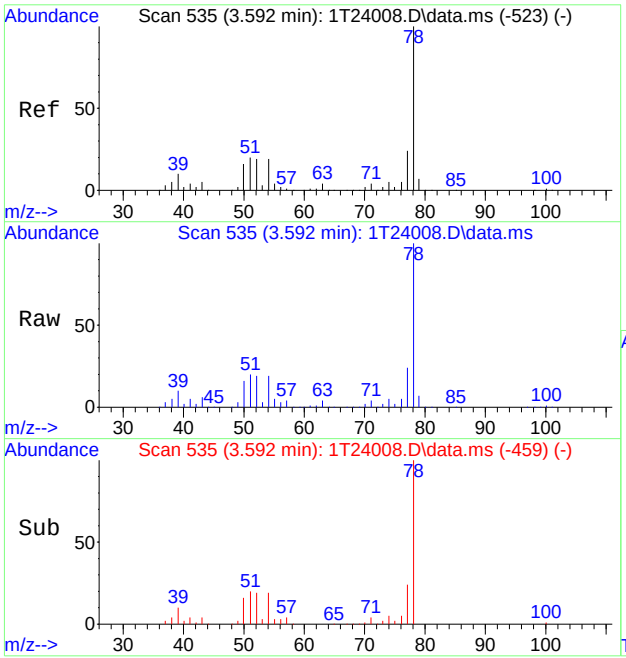


#52
iso-octane
Concen: 49.82 ug/L
RT: 3.471 min Scan# 512
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 57 Resp: 466053

Ion	Ratio	Lower	Upper
57	100		
41	37.8	17.8	57.8
56	35.2	15.2	55.2

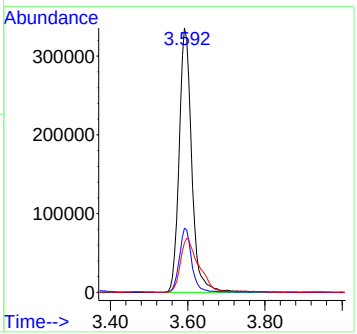


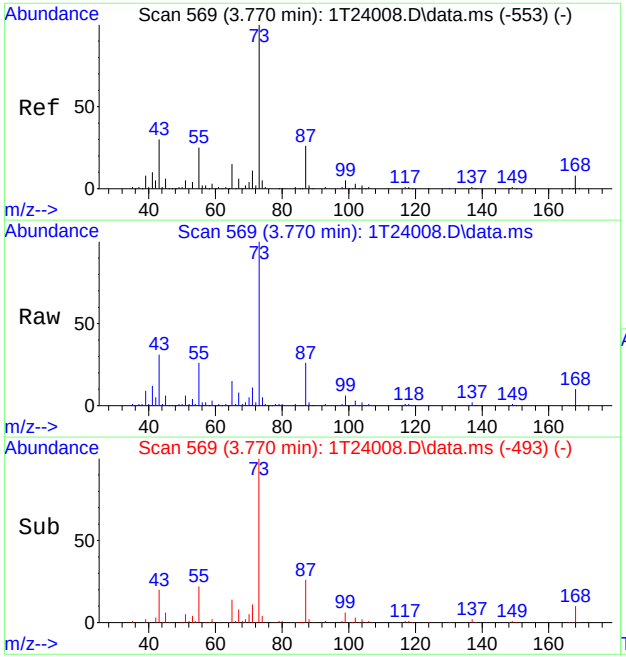


#53
benzene
Concen: 50.00 ug/L
RT: 3.592 min Scan# 535
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 78 Resp: 761385

Ion	Ratio	Lower	Upper
78	100		
77	24.3	0.0	54.3
52	18.8	0.0	48.8

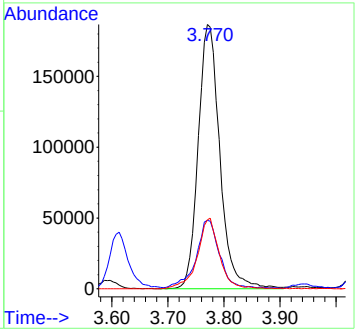


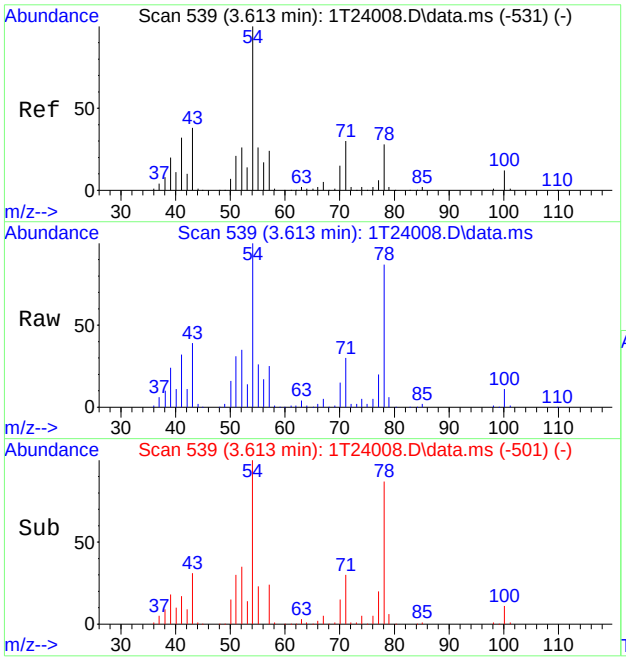


#54
tert-amyl methyl ether
Concen: 50.00 ug/L
RT: 3.770 min Scan# 569
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 73 Resp: 501685

Ion	Ratio	Lower	Upper
73	100		
55	25.6	5.6	45.6
87	26.1	6.1	46.1

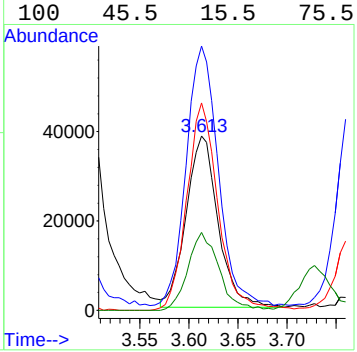


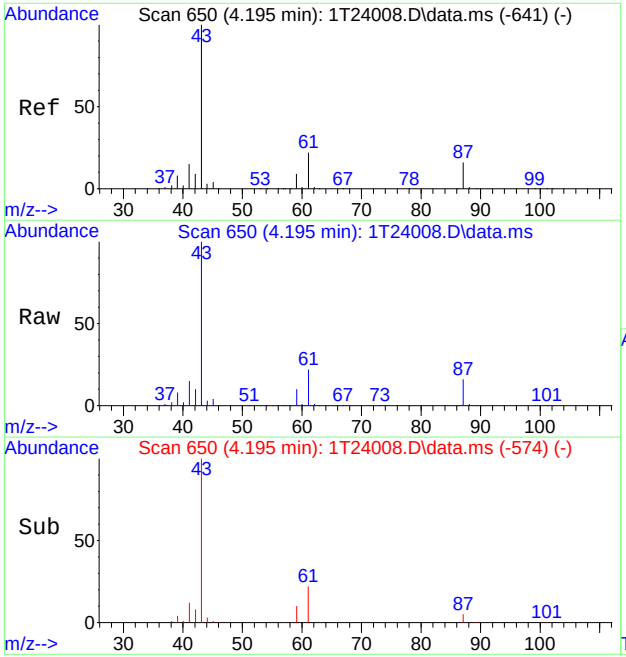


#55
heptane
Concen: 50.00 ug/L
RT: 3.613 min Scan# 539
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 57 Resp: 86947

Ion	Ratio	Lower	Upper
57	100		
43	150.9	120.9	180.9
71	119.7	89.7	149.7
100	45.5	15.5	75.5

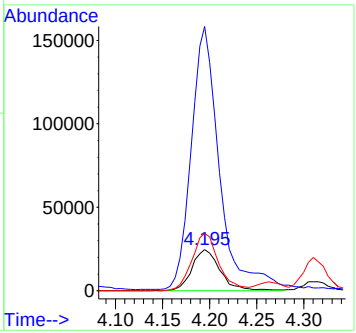


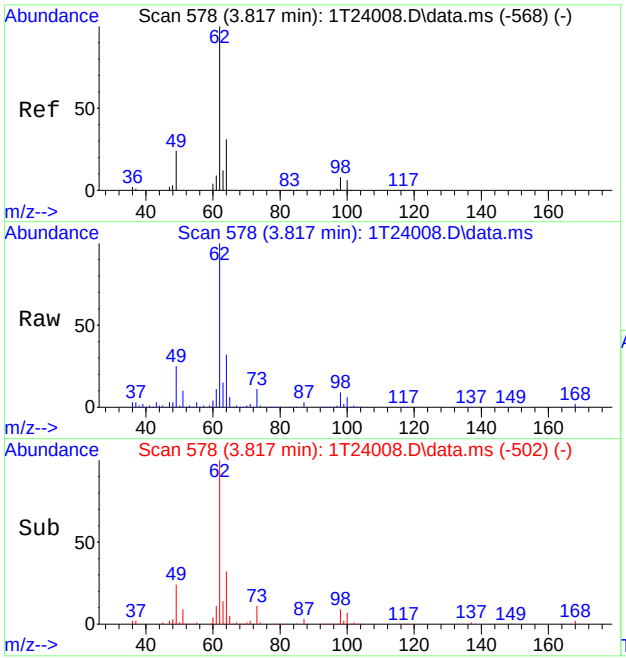


#56
isopropyl acetate
Concen: 50.00 ug/L
RT: 4.195 min Scan# 650
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 87 Resp: 51778

Ion	Ratio	Lower	Upper
87	100		
43	636.7	606.7	666.7
61	139.0	109.0	169.0

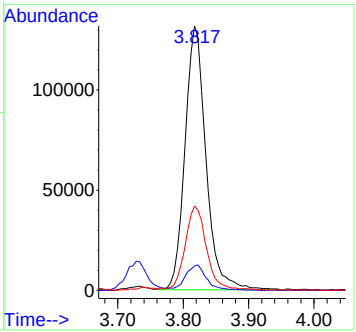


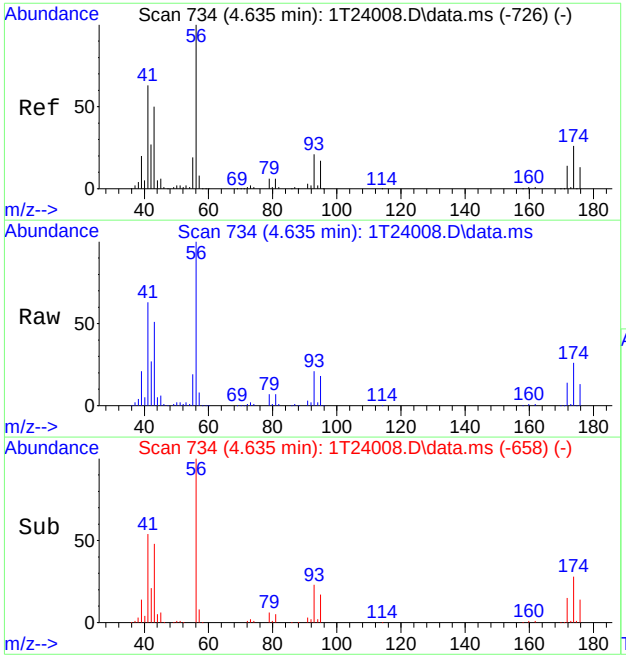


#57
1,2-dichloroethane
Concen: 50.00 ug/L
RT: 3.817 min Scan# 578
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 62 Resp: 293023

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	39.3
64	31.8	1.8	61.8

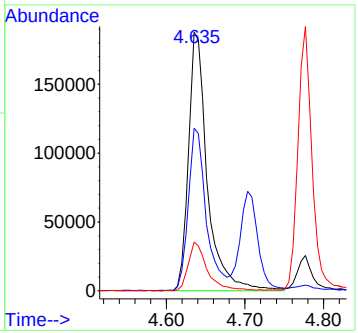


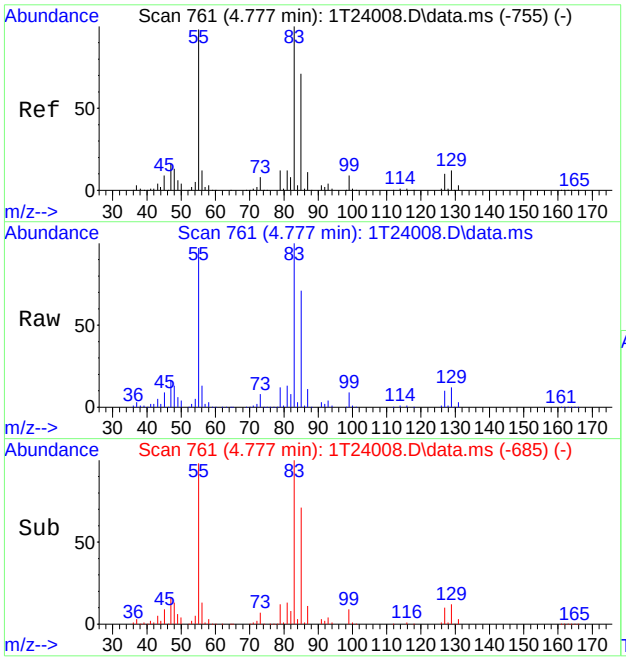


#58
n-butyl alcohol
Concen: 2500.00 ug/L
RT: 4.635 min Scan# 734
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 56 Resp: 314560

Ion	Ratio	Lower	Upper
56	100		
41	62.6	42.6	82.6
55	18.9	0.0	38.9

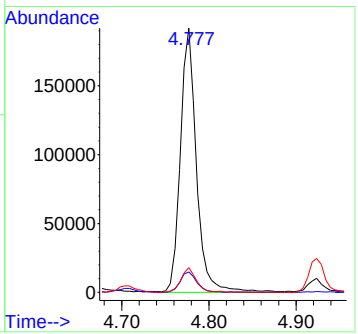


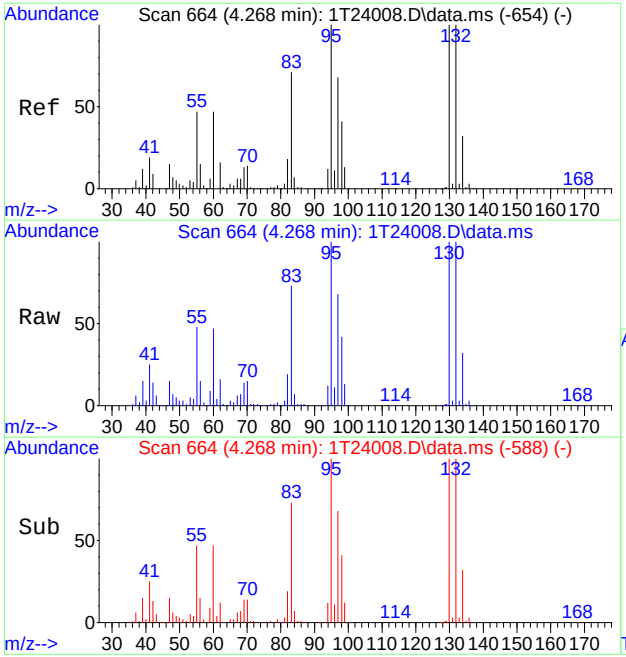


#59
ethyl acrylate
Concen: 50.00 ug/L
RT: 4.777 min Scan# 761
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 55 Resp: 245806

Ion	Ratio	Lower	Upper
55	100		
73	7.8	0.0	37.8
99	9.3	0.0	39.3

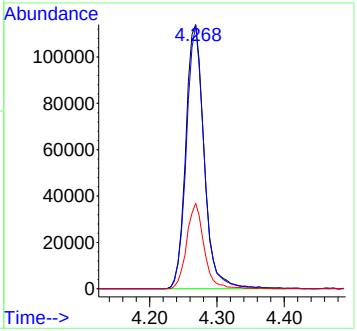


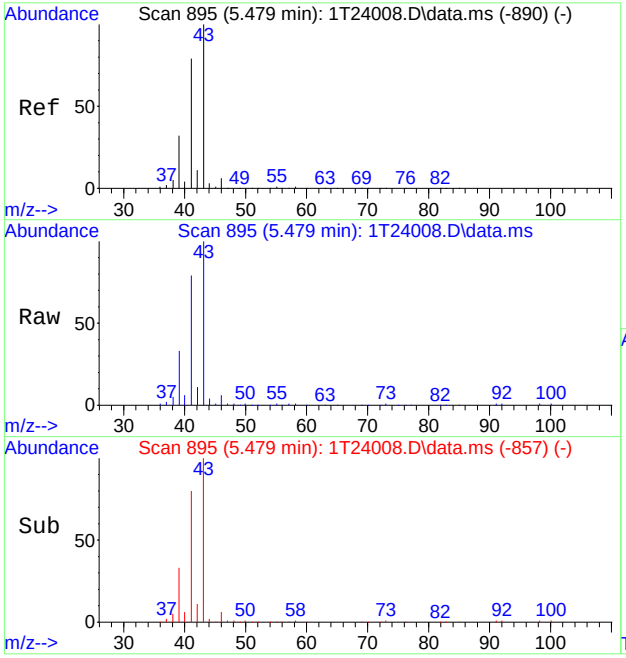


#60
trichloroethene
Concen: 50.00 ug/L
RT: 4.268 min Scan# 664
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion:130 Resp: 216664

Ion	Ratio	Lower	Upper
130	100		
132	99.8	69.8	129.8
134	32.3	2.3	62.3

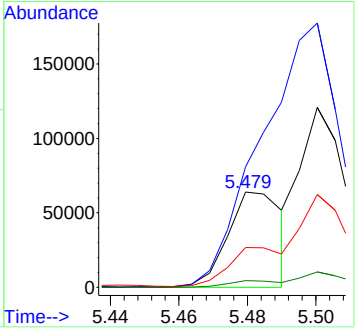


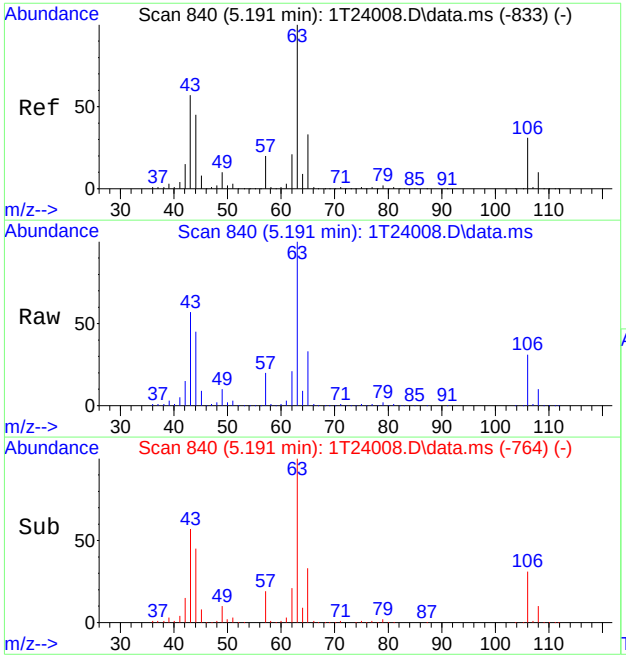


#61
2-nitropropane
Concen: 50.20 ug/L m
RT: 5.479 min Scan# 895
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 41 Resp: 70837

Ion	Ratio	Lower	Upper
41	100		
43	126.2	96.2	156.2
39	41.9	11.9	71.9
46	7.2	0.0	37.2

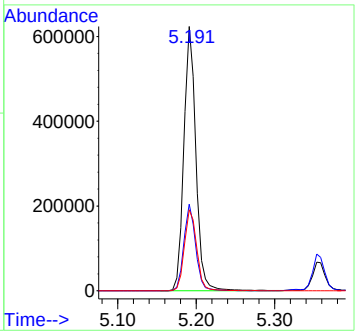


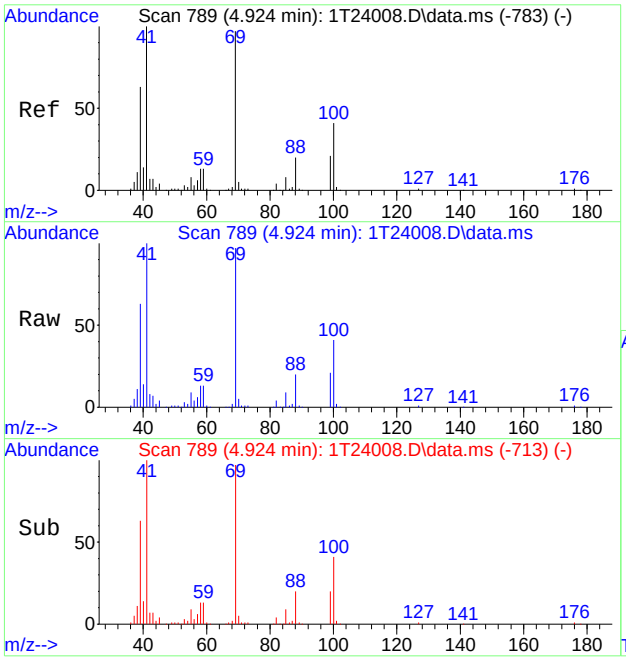


#62
2-chloroethyl vinyl ether
Concen: 250.00 ug/L
RT: 5.191 min Scan# 840
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 63 Resp: 666499

Ion	Ratio	Lower	Upper
63	100		
65	32.7	2.7	62.7
106	30.6	0.6	60.6

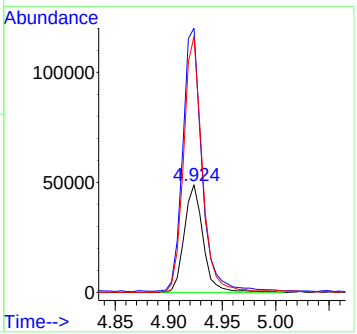


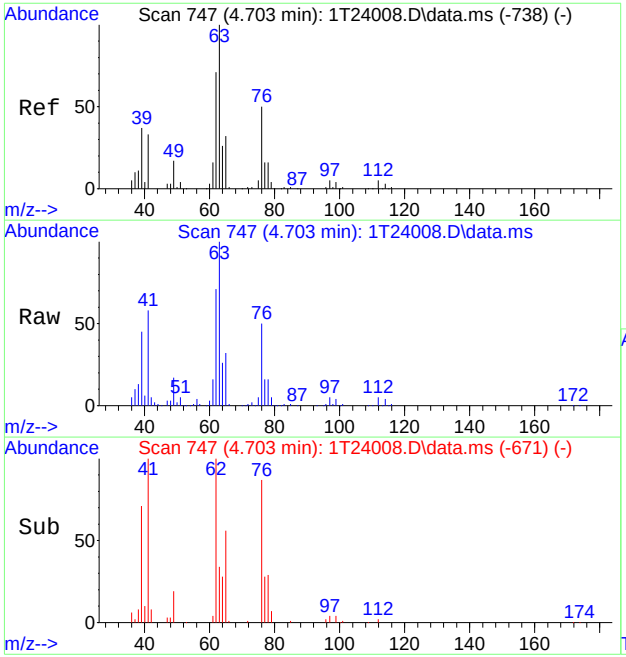


#63
methyl methacrylate
Concen: 50.00 ug/L
RT: 4.924 min Scan# 789
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion:100 Resp: 60244

Ion	Ratio	Lower	Upper
100	100		
41	244.5	214.5	274.5
69	237.6	207.6	267.6

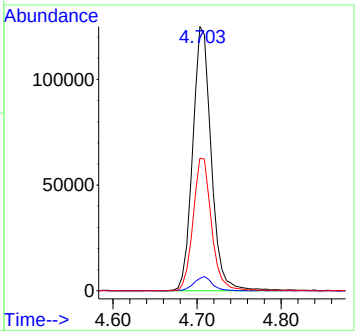


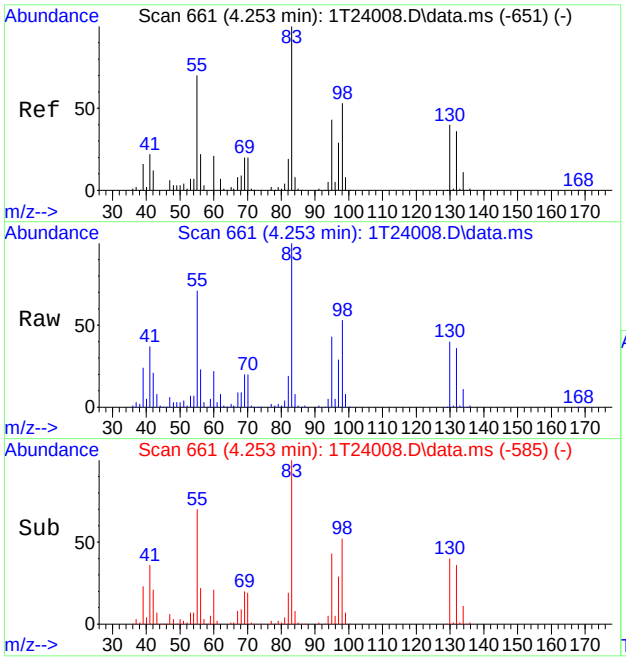


#64
1,2-dichloropropane
Concen: 50.00 ug/L
RT: 4.703 min Scan# 747
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 63 Resp: 191577

Ion	Ratio	Lower	Upper
63	100		
112	4.7	0.0	34.7
76	50.1	20.1	80.1

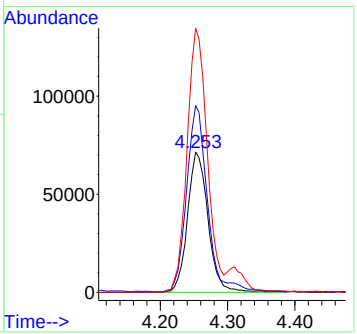


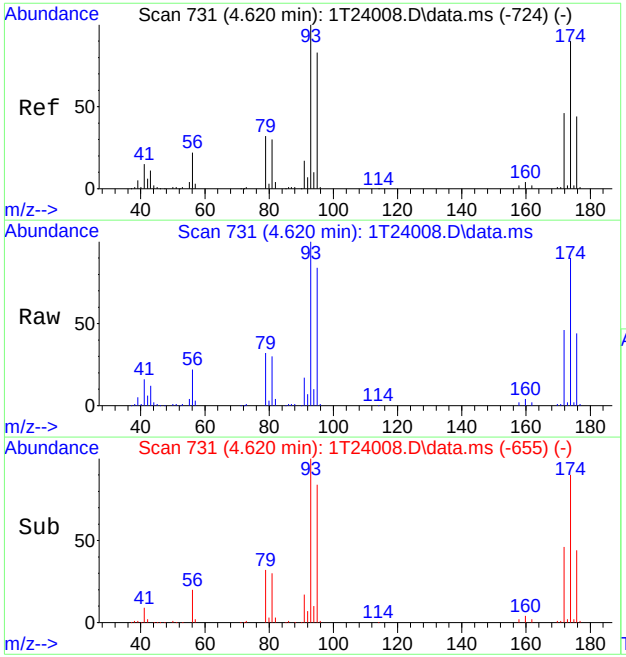


#65
methylcyclohexane
Concen: 50.00 ug/L
RT: 4.253 min Scan# 661
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 98 Resp: 152176

Ion	Ratio	Lower	Upper
98	100		
55	132.6	102.6	162.6
83	188.2	188.2	188.2#

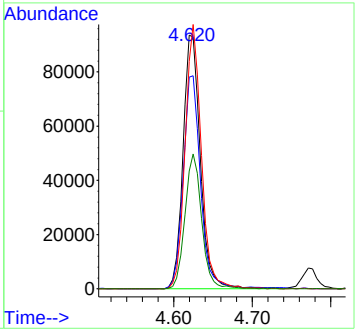


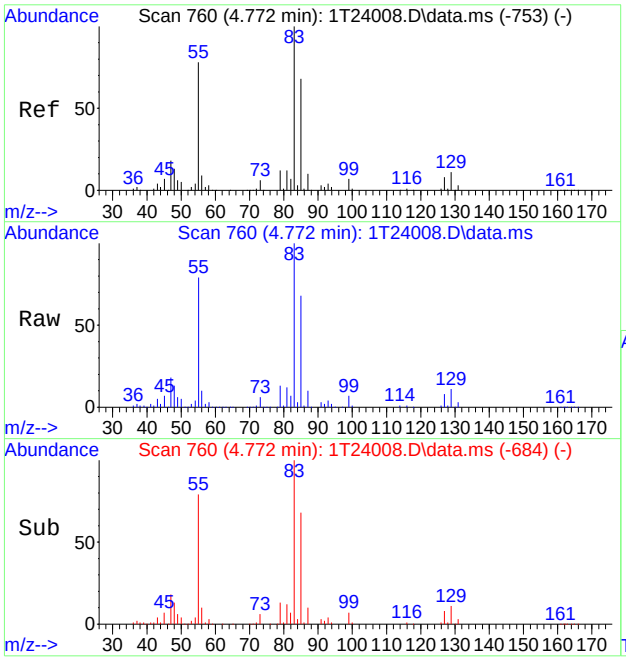


#66
dibromomethane
Concen: 50.00 ug/L
RT: 4.620 min Scan# 731
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 93 Resp: 143780

Ion	Ratio	Lower	Upper
93	100		
95	83.3	53.3	113.3
174	89.6	59.6	119.6
172	46.5	26.5	66.5

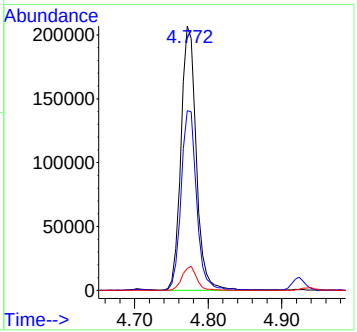


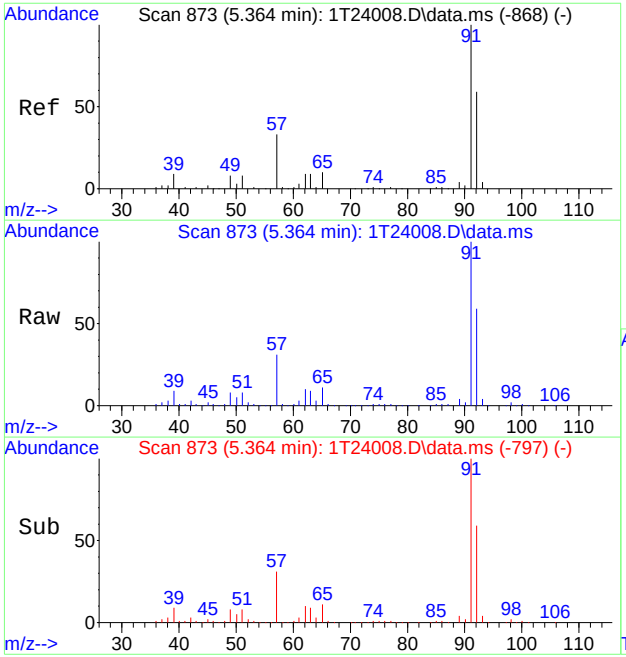


#67
bromodichloromethane
Concen: 50.00 ug/L
RT: 4.772 min Scan# 760
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 83 Resp: 300120

Ion	Ratio	Lower	Upper
83	100		
85	68.0	38.0	98.0
127	8.3	0.0	38.3

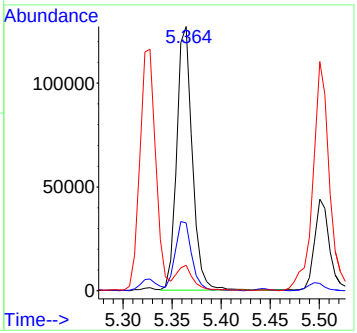


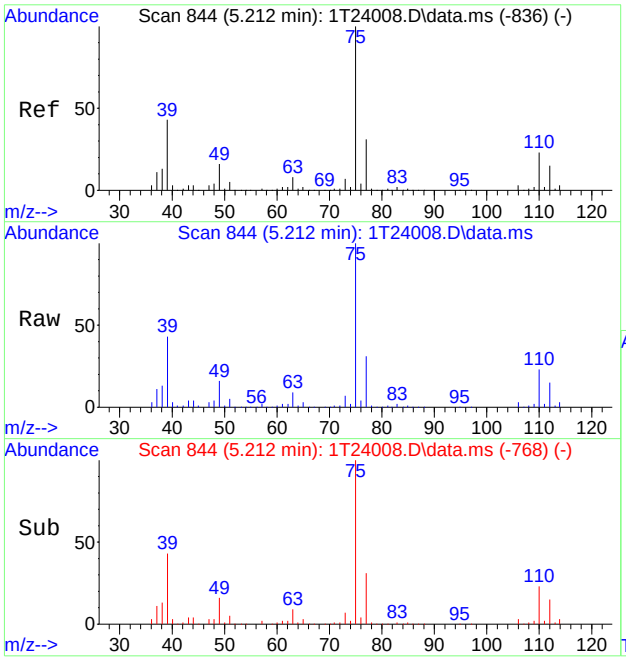


#68
epichlorohydrin
Concen: 250.58 ug/L
RT: 5.364 min Scan# 873
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 57 Resp: 139714

Ion	Ratio	Lower	Upper
57	100		
49	25.6	5.6	45.6
42	9.5	0.0	29.5

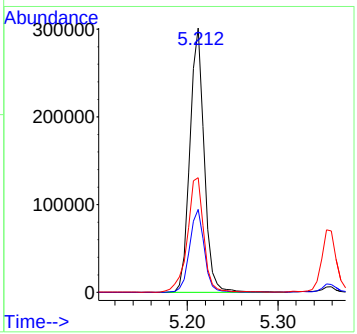


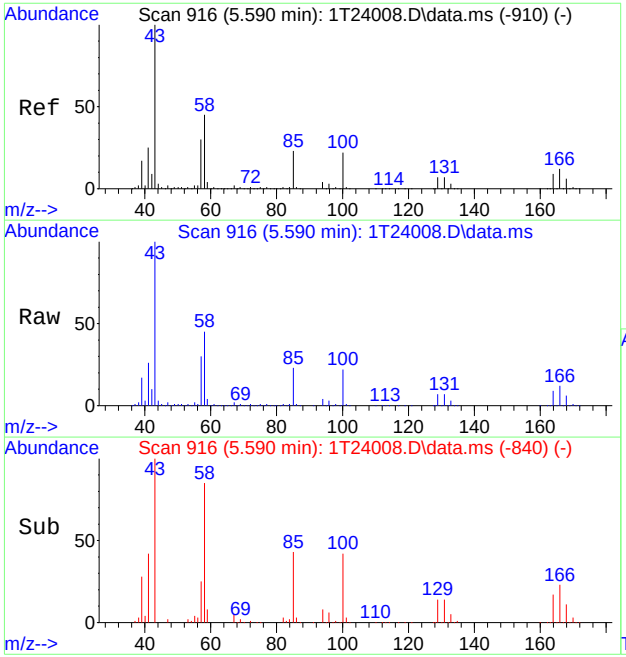


#69
cis-1,3-dichloropropene
Concen: 50.00 ug/L
RT: 5.212 min Scan# 844
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 75 Resp: 332498

Ion	Ratio	Lower	Upper
75	100		
77	31.4	1.4	61.4
39	43.3	13.3	73.3

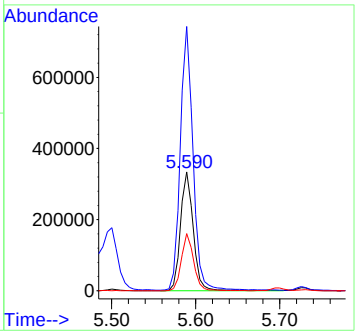


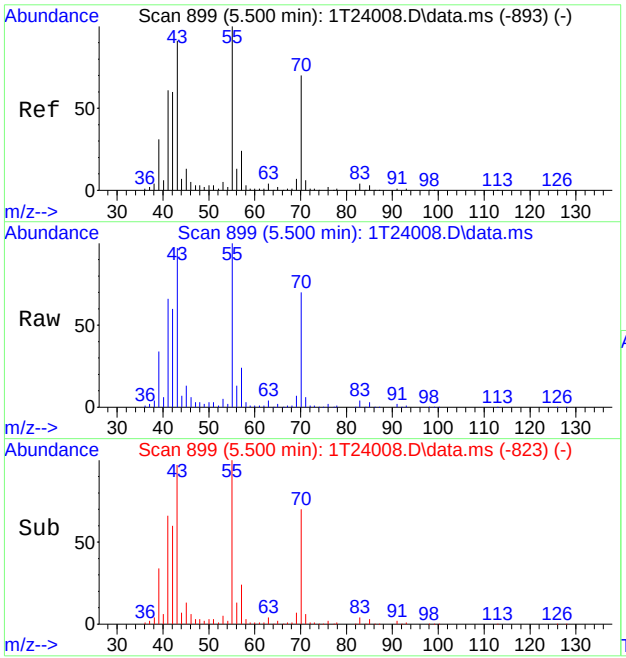


#70
4-methyl-2-pentanone
Concen: 200.00 ug/L
RT: 5.590 min Scan# 916
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 58 Resp: 352199

Ion	Ratio	Lower	Upper
58	100		
43	222.2	192.2	252.2
100	48.2	18.2	78.2

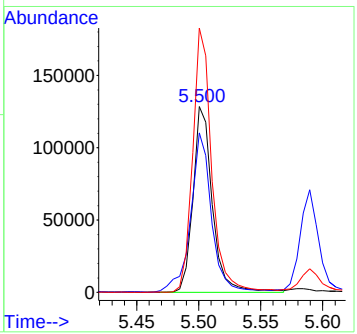


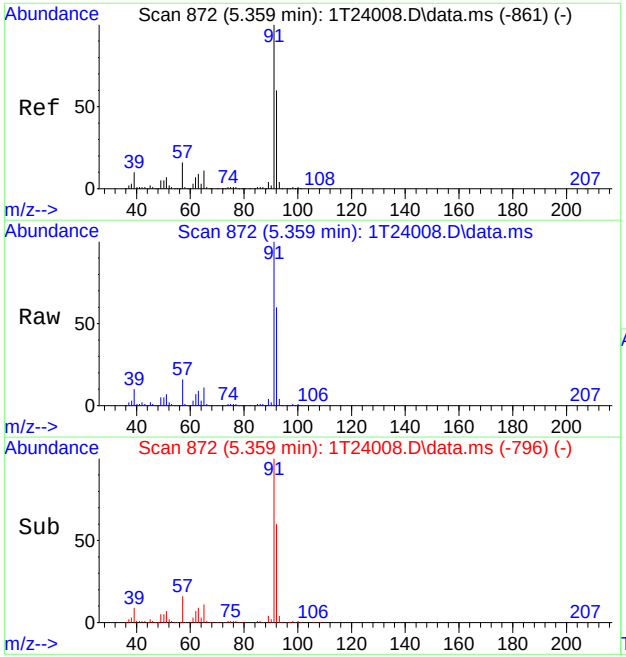


#71
3-methyl-1-butanol
Concen: 1000.00 ug/L
RT: 5.500 min Scan# 899
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 70 Resp: 140404

Ion	Ratio	Lower	Upper
70	100		
42	84.9	54.9	114.9
55	142.0	112.0	172.0

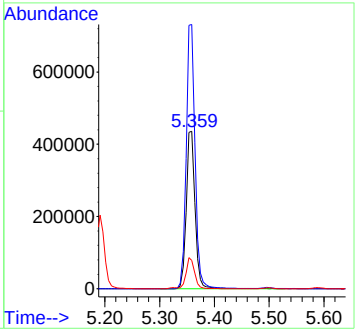


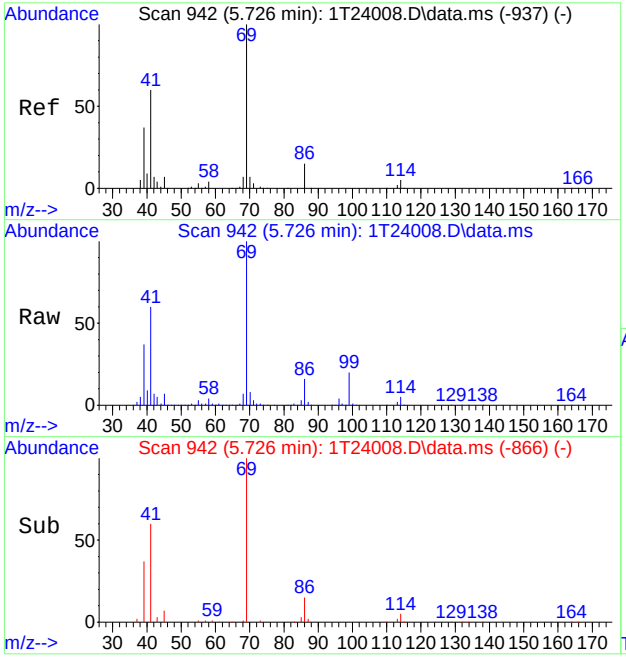


#74
toluene
Concen: 50.00 ug/L
RT: 5.359 min Scan# 872
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 92 Resp: 486728

Ion	Ratio	Lower	Upper
92	100		
91	167.9	147.9	187.9
65	18.0	0.0	38.0

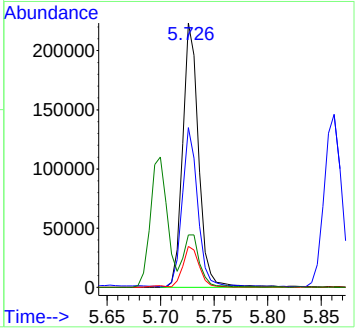


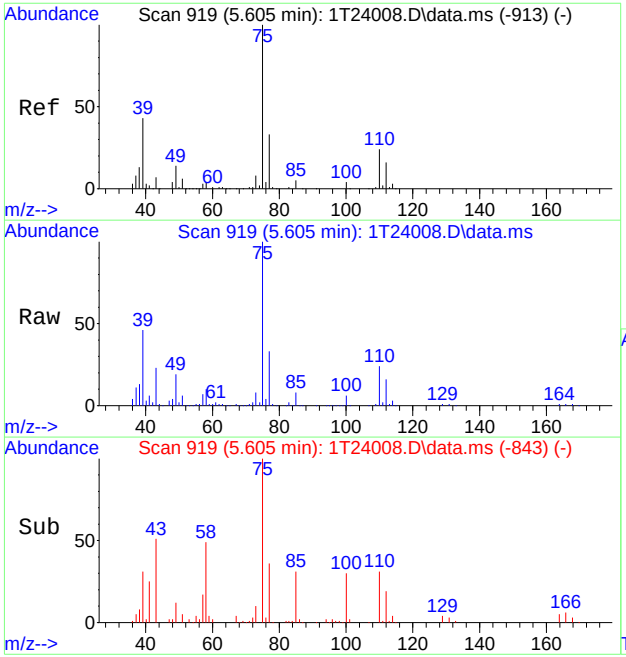


#75
ethyl methacrylate
Concen: 50.00 ug/L
RT: 5.726 min Scan# 942
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 69 Resp: 232146

Ion	Ratio	Lower	Upper
69	100		
41	60.2	40.2	80.2
86	15.4	0.0	35.4
99	19.8	0.0	39.8

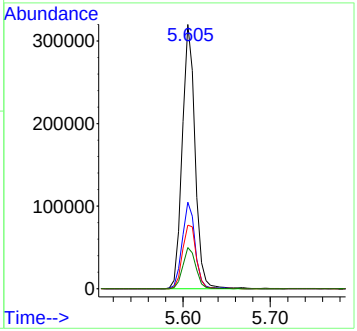


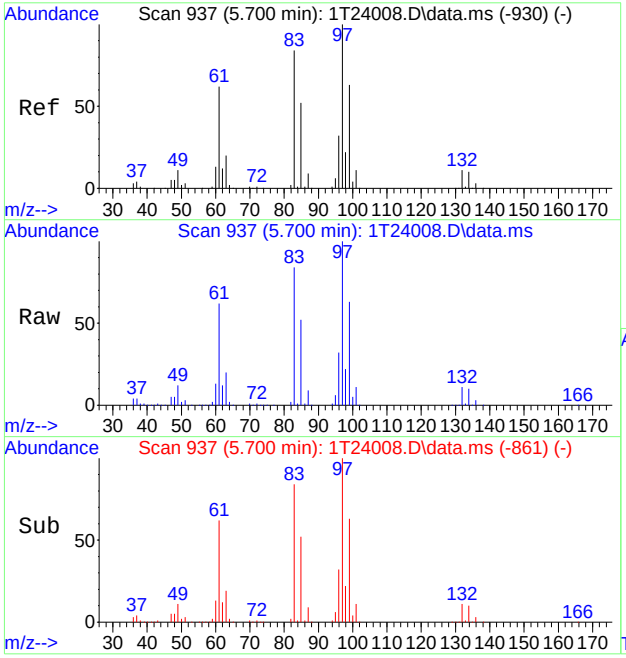


#76
trans-1,3-dichloropropene
Concen: 50.00 ug/L
RT: 5.605 min Scan# 919
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 75 Resp: 327175

Ion	Ratio	Lower	Upper
75	100		
77	32.7	12.7	52.7
110	24.1	4.1	44.1
112	15.6	0.0	35.6

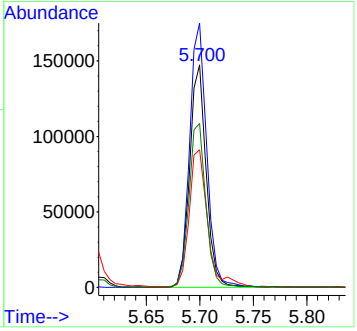


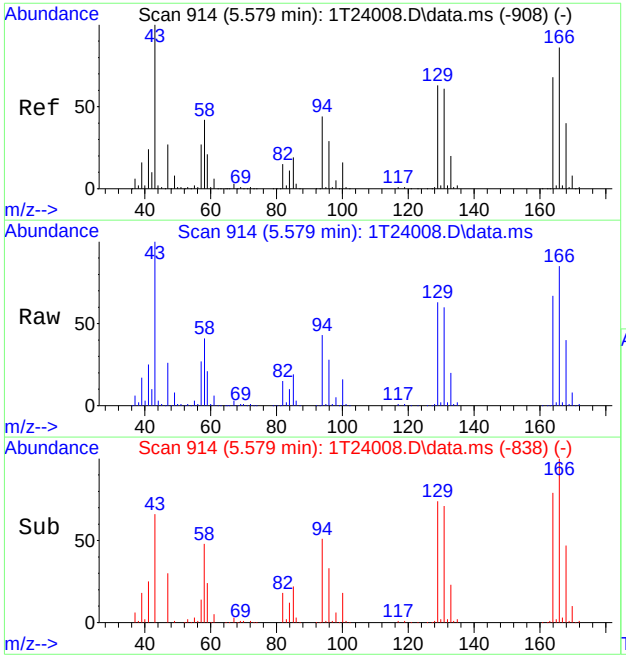


#77
1,1,2-trichloroethane
Concen: 50.00 ug/L
RT: 5.700 min Scan# 937
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 83 Resp: 159637

Ion	Ratio	Lower	Upper
83	100		
97	118.8	98.8	138.8
85	61.6	41.6	81.6
61	73.7	53.7	93.7

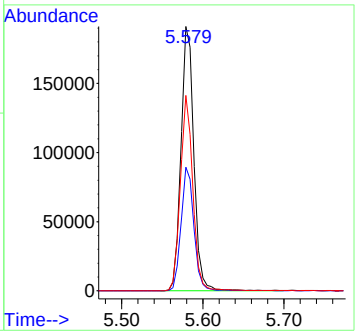


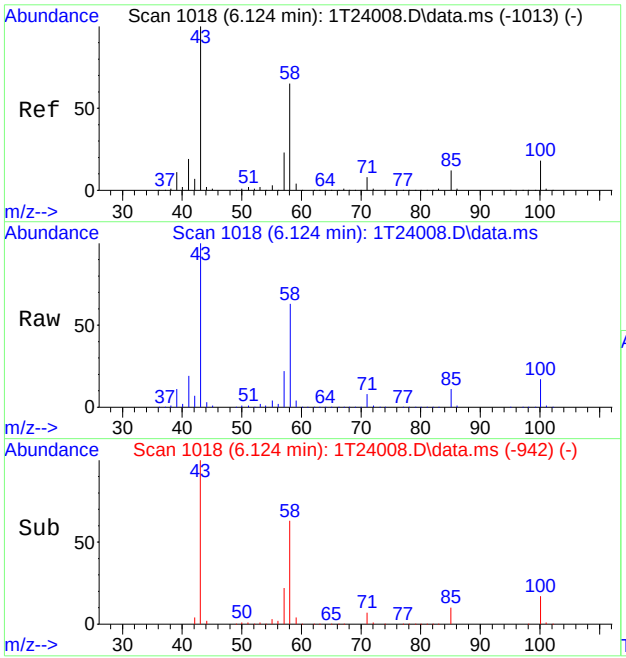


#78
tetrachloroethene
Concen: 50.00 ug/L
RT: 5.579 min Scan# 914
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion:166 Resp: 211234

Ion	Ratio	Lower	Upper
166	100		
168	46.8	16.8	76.8
129	73.9	43.9	103.9

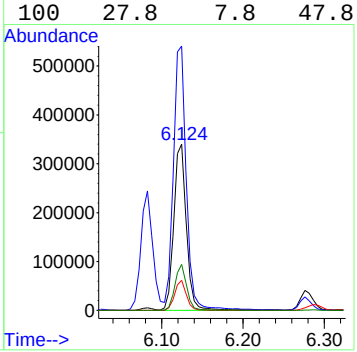


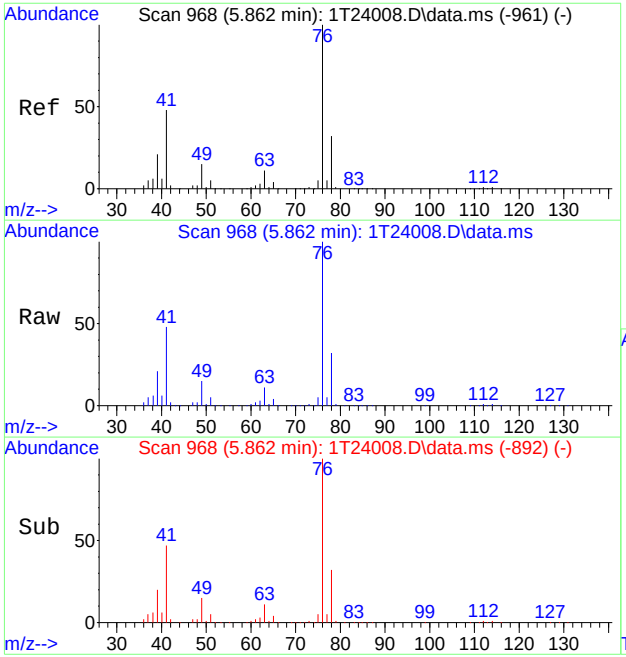


#79
2-hexanone
Concen: 200.00 ug/L
RT: 6.124 min Scan# 1018
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 58 Resp: 367444

Ion	Ratio	Lower	Upper
58	100		
43	159.1	139.1	179.1
85	18.1	0.0	38.1
100	27.8	7.8	47.8

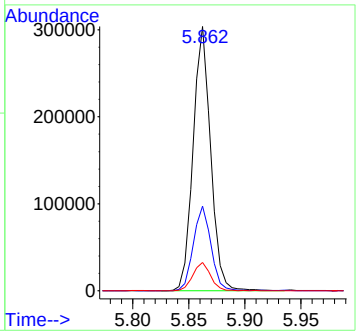


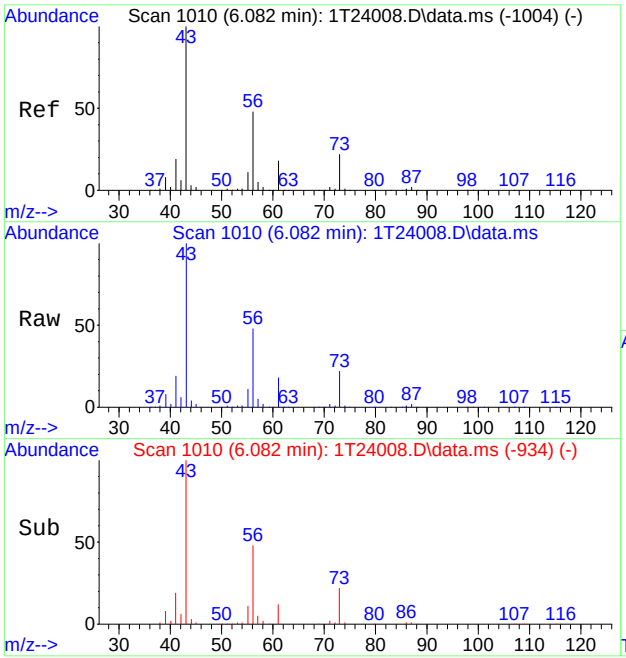


#80
1,3-dichloropropane
Concen: 50.00 ug/L
RT: 5.862 min Scan# 968
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 76 Resp: 331058

Ion	Ratio	Lower	Upper
76	100		
78	32.1	2.1	62.1
63	10.7	0.0	40.7

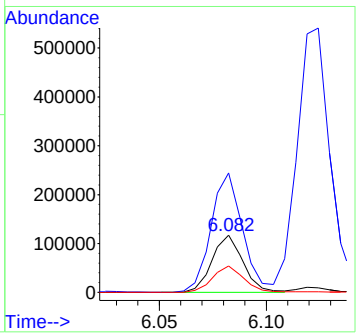


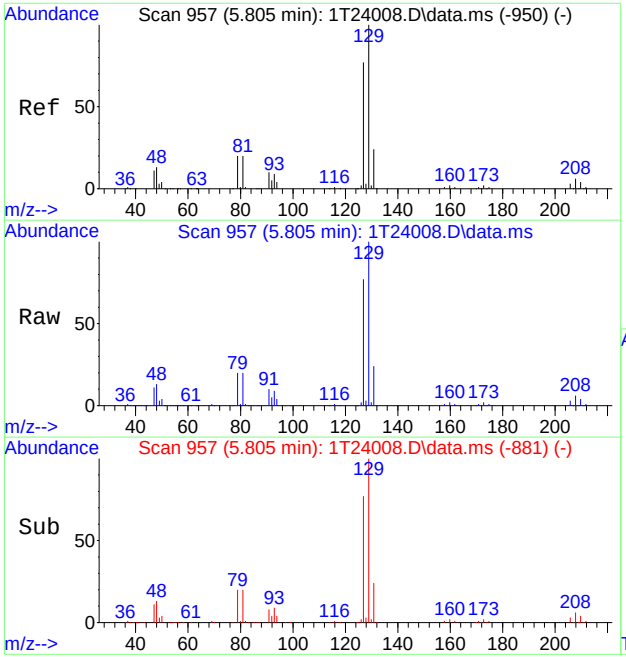


#81
butyl acetate
Concen: 50.00 ug/L
RT: 6.082 min Scan# 1010
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 56 Resp: 118588

Ion	Ratio	Lower	Upper
56	100		
43	207.8	177.8	237.8
73	46.2	16.2	76.2

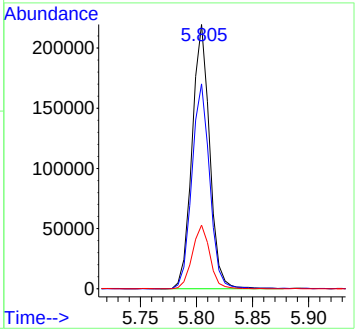


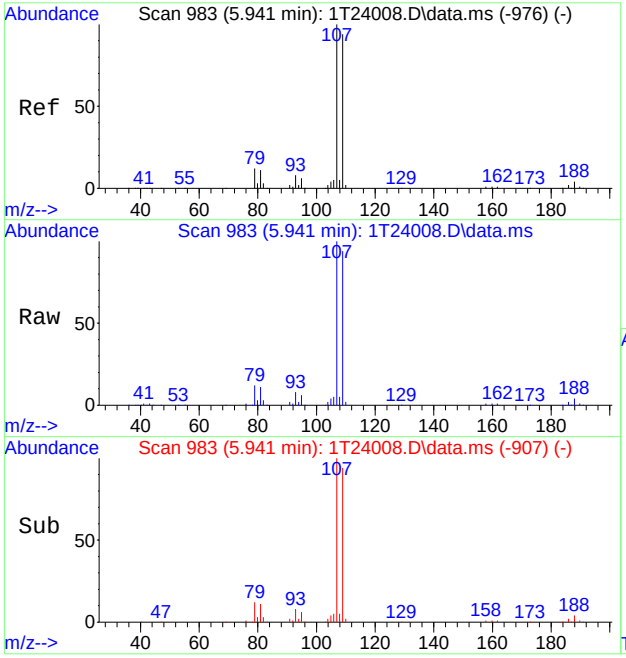


#82
dibromochloromethane
Concen: 50.00 ug/L
RT: 5.805 min Scan# 957
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion:129 Resp: 240253

Ion	Ratio	Lower	Upper
129	100		
127	77.5	47.5	107.5
131	24.1	0.0	54.1

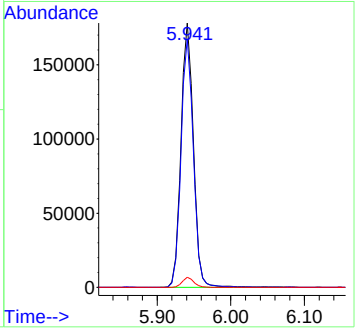


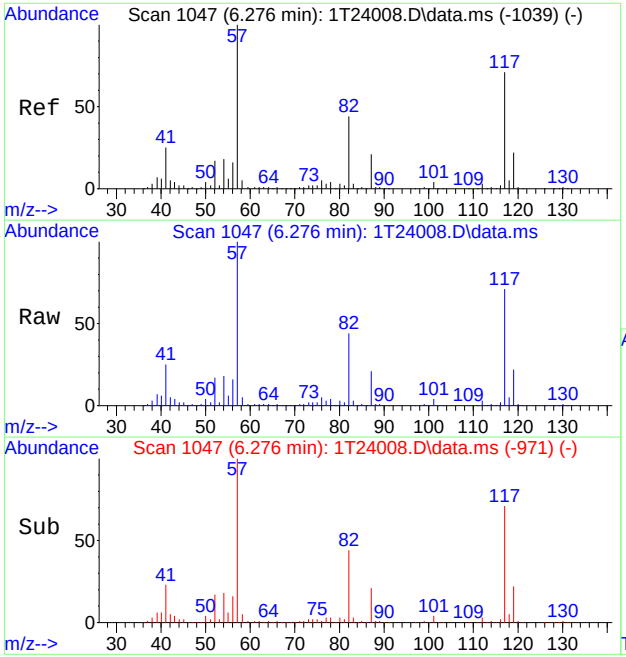


#83
1,2-dibromoethane
Concen: 50.00 ug/L
RT: 5.941 min Scan# 983
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion:107 Resp: 209683

Ion	Ratio	Lower	Upper
107	100		
109	94.0	64.0	124.0
188	3.9	0.0	33.9

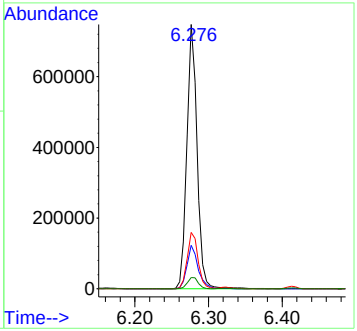


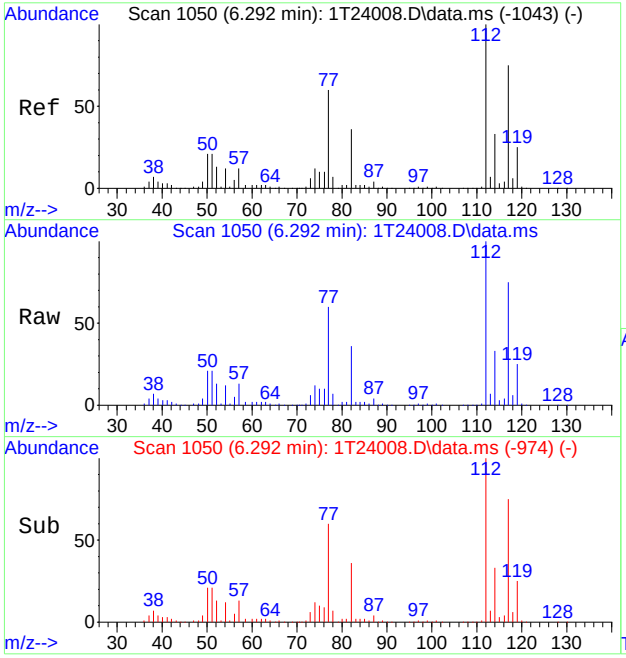


#84
n-butyl ether
Concen: 50.00 ug/L
RT: 6.276 min Scan# 1047
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 57 Resp: 724677

Ion	Ratio	Lower	Upper
57	100		
56	16.4	0.0	46.4
87	21.4	0.0	51.4
101	4.3	0.0	34.3

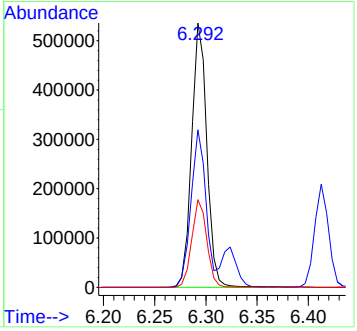


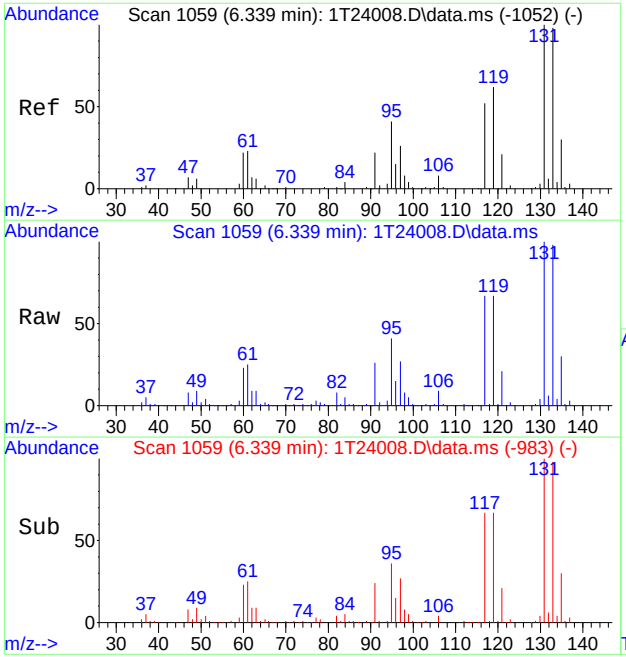


#85
chlorobenzene
Concen: 50.00 ug/L
RT: 6.292 min Scan# 1050
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion:112 Resp: 557984

Ion	Ratio	Lower	Upper
112	100		
77	59.6	29.6	89.6
114	33.1	3.1	63.1

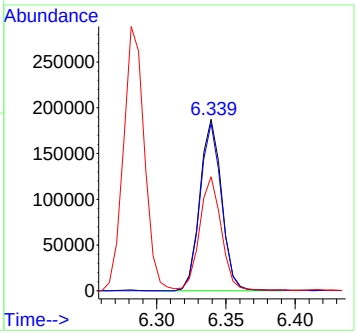


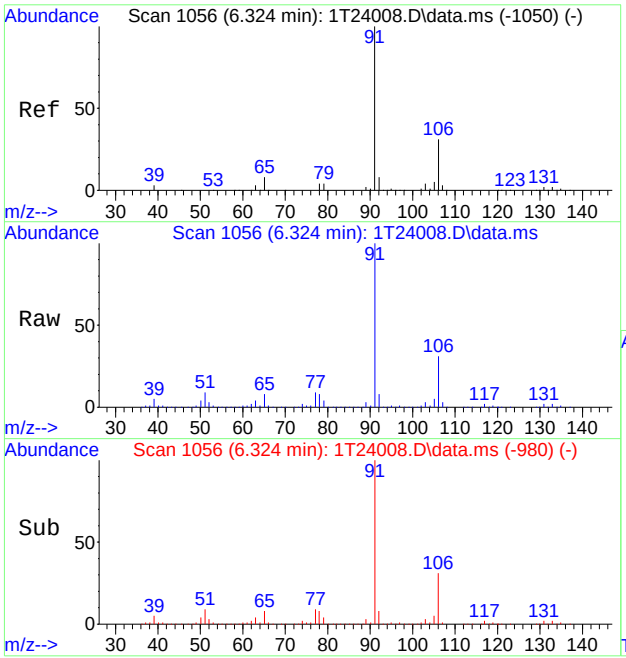


#86
1,1,1,2-tetrachloroethane
Concen: 50.00 ug/L
RT: 6.339 min Scan# 1059
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion:131 Resp: 205145

Ion	Ratio	Lower	Upper
131	100		
133	97.5	67.5	127.5
119	66.1	36.1	96.1

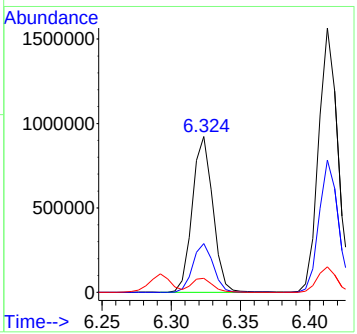


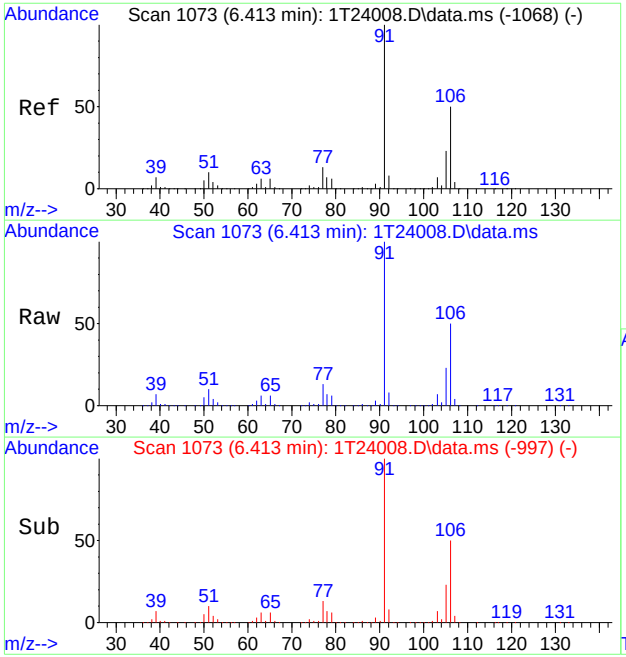


#87
ethylbenzene
Concen: 50.00 ug/L
RT: 6.324 min Scan# 1056
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 91 Resp: 950050

Ion	Ratio	Lower	Upper
91	100		
106	31.3	1.3	61.3
51	9.0	0.0	39.0

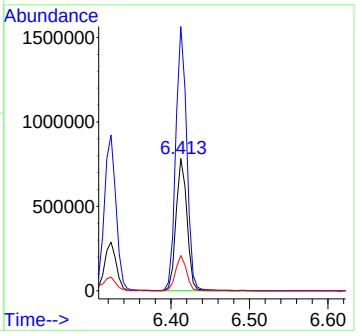


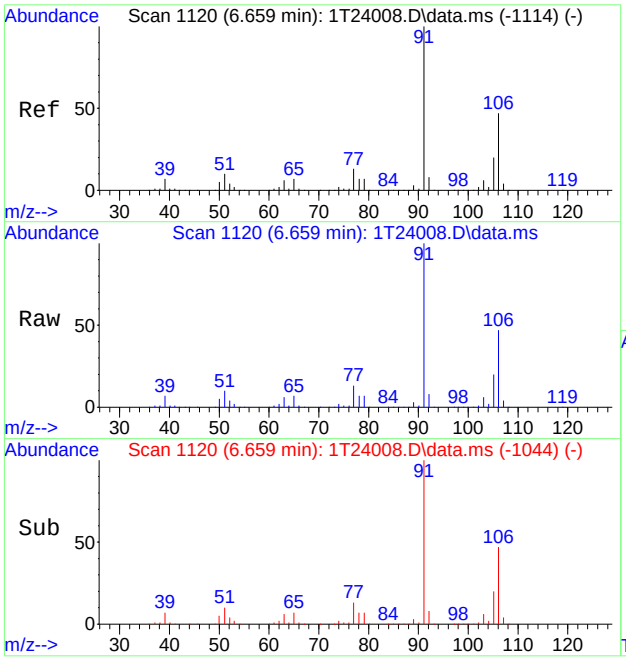


#88
m,p-xylene
Concen: 100.00 ug/L
RT: 6.413 min Scan# 1073
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion:106 Resp: 753644

Ion	Ratio	Lower	Upper
106	100		
91	199.8	169.8	229.8
77	26.7	6.7	46.7

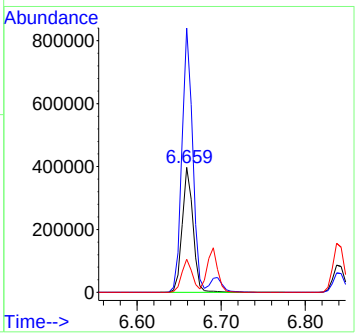


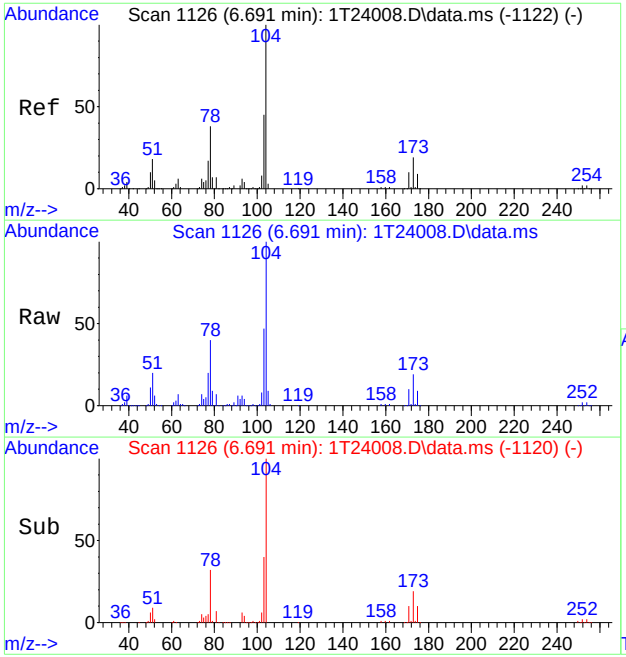


#89
o-xylene
Concen: 50.00 ug/L
RT: 6.659 min Scan# 1120
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion:106 Resp: 354717

Ion	Ratio	Lower	Upper
106	100		
91	211.7	181.7	241.7
77	26.5	6.5	46.5

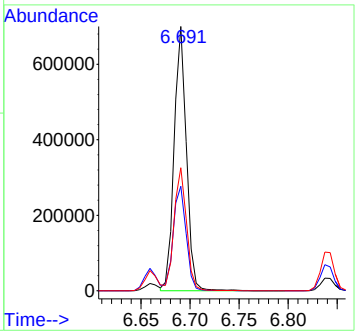


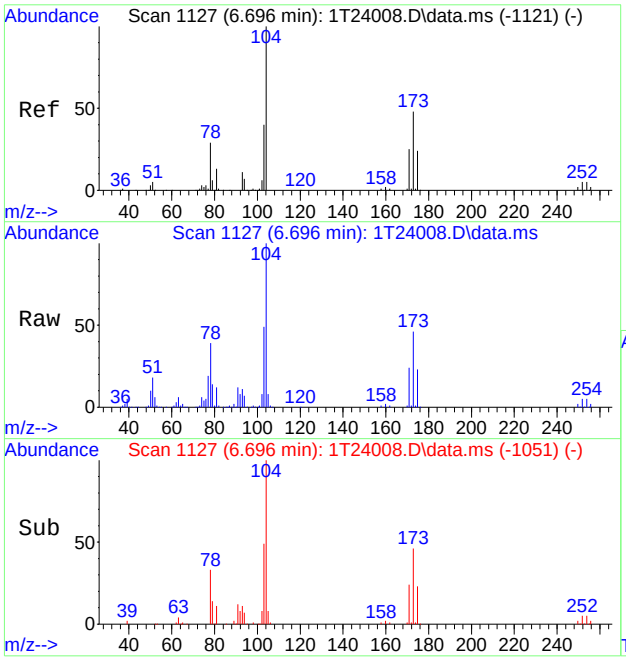


#90
styrene
Concen: 50.00 ug/L
RT: 6.691 min Scan# 1126
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion:104 Resp: 610005

Ion	Ratio	Lower	Upper
104	100		
78	39.6	9.6	69.6
103	46.5	16.5	76.5

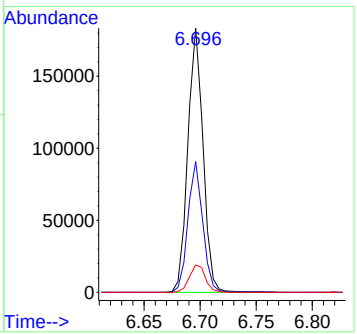


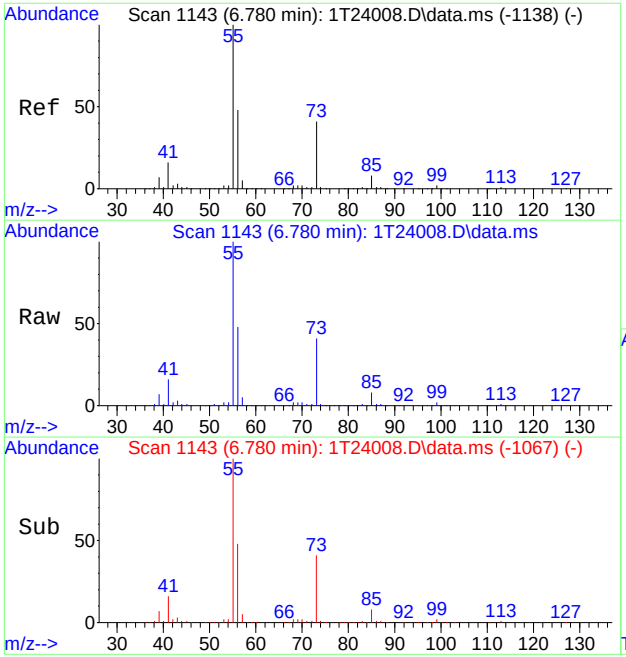


#91
bromoform
Concen: 50.00 ug/L
RT: 6.696 min Scan# 1127
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion:173 Resp: 173713

Ion	Ratio	Lower	Upper
173	100		
175	49.5	19.5	79.5
254	10.4	0.0	40.4

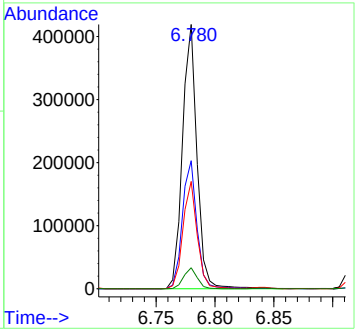


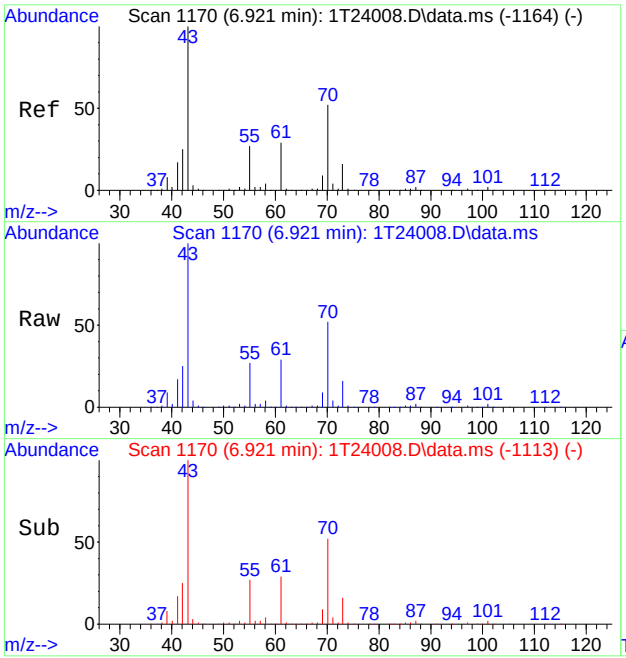


#92
butyl acrylate
Concen: 50.00 ug/L
RT: 6.780 min Scan# 1143
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 55 Resp: 361149

Ion	Ratio	Lower	Upper
55	100		
56	48.5	18.5	78.5
73	40.6	10.6	70.6
85	8.0	0.0	38.0

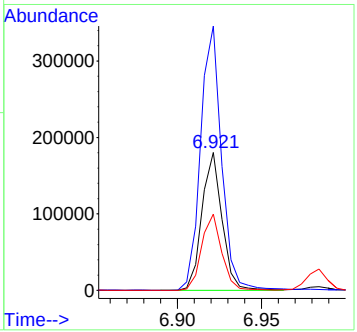


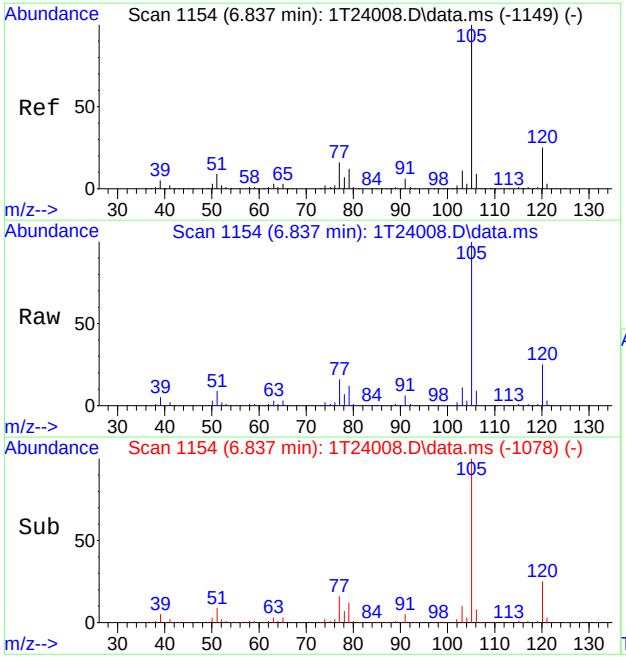


#93
n-amyl acetate
Concen: 50.00 ug/L
RT: 6.921 min Scan# 1170
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 70 Resp: 150409

Ion	Ratio	Lower	Upper
70	100		
43	191.9	171.9	211.9
61	55.4	35.4	75.4

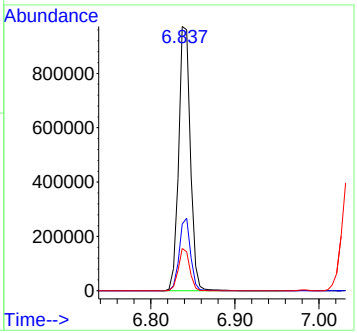


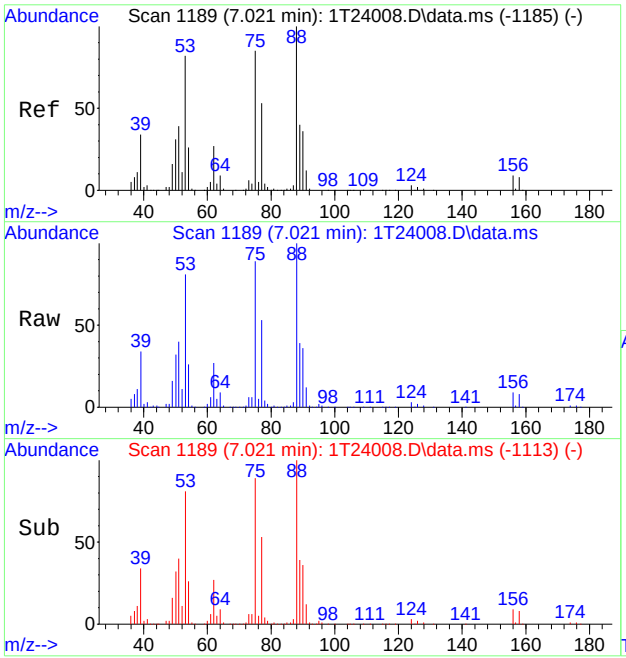


#94
isopropylbenzene
Concen: 50.00 ug/L
RT: 6.837 min Scan# 1154
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion:105 Resp: 940809

Ion	Ratio	Lower	Upper
105	100		
120	25.3	5.3	45.3
77	16.1	0.0	36.1

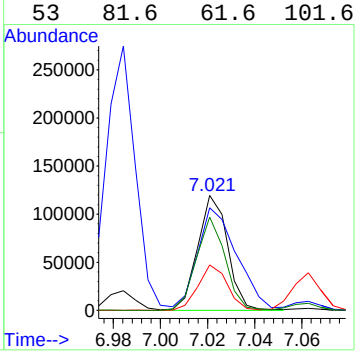


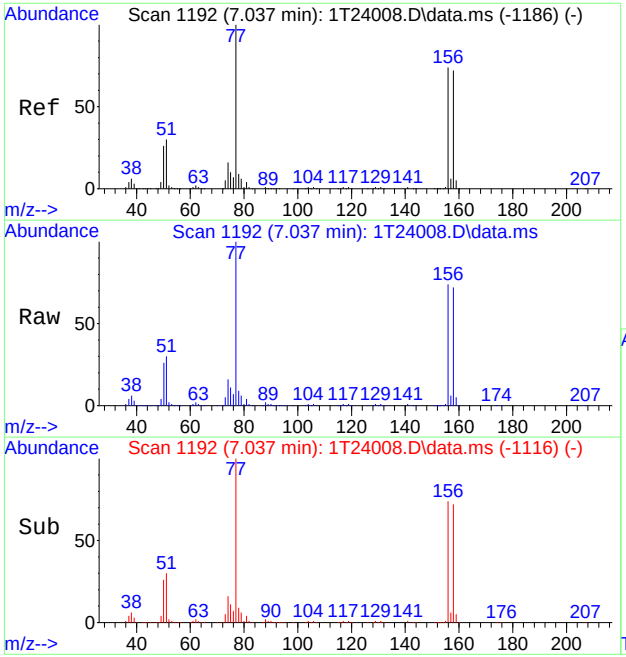


#95
cis-1,4-dichloro-2-butene
Concen: 50.00 ug/L
RT: 7.021 min Scan# 1189
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 88 Resp: 106249

Ion	Ratio	Lower	Upper
88	100		
75	87.1	67.1	107.1
89	39.7	19.7	59.7
53	81.6	61.6	101.6

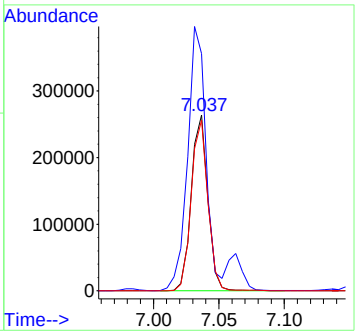


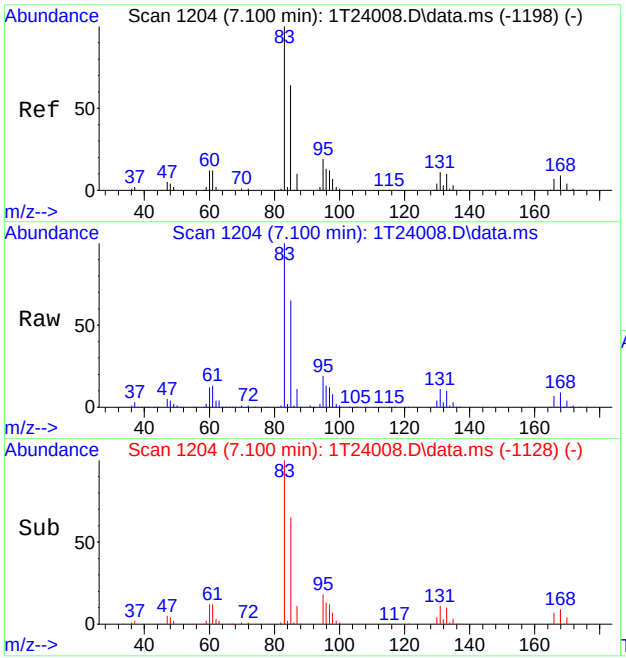


#98
bromobenzene
Concen: 50.00 ug/L
RT: 7.037 min Scan# 1192
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion:156 Resp: 231913

Ion	Ratio	Lower	Upper
156	100		
77	134.6	104.6	164.6
158	97.1	67.1	127.1

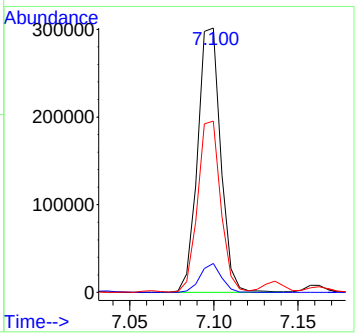


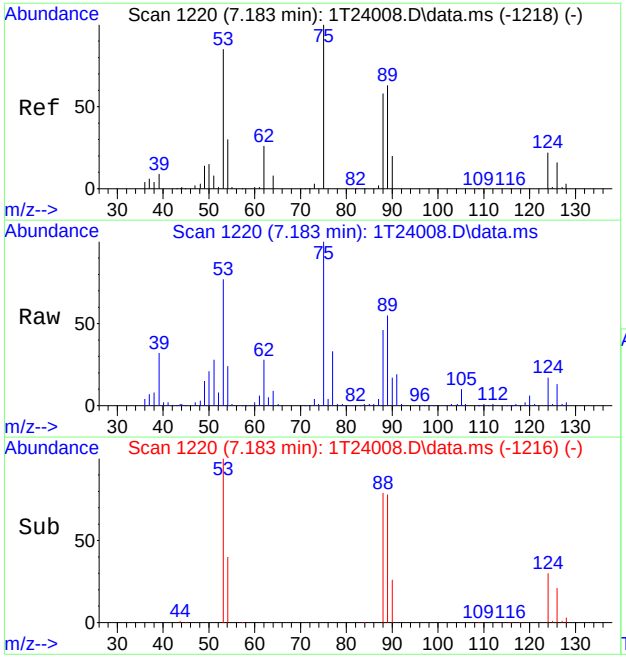


#99
1,1,2,2-tetrachloroethane
Concen: 50.00 ug/L
RT: 7.100 min Scan# 1204
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 83 Resp: 288056

Ion	Ratio	Lower	Upper
83	100		
131	10.9	0.0	40.9
85	64.4	34.4	94.4

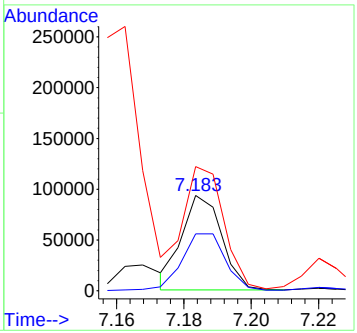


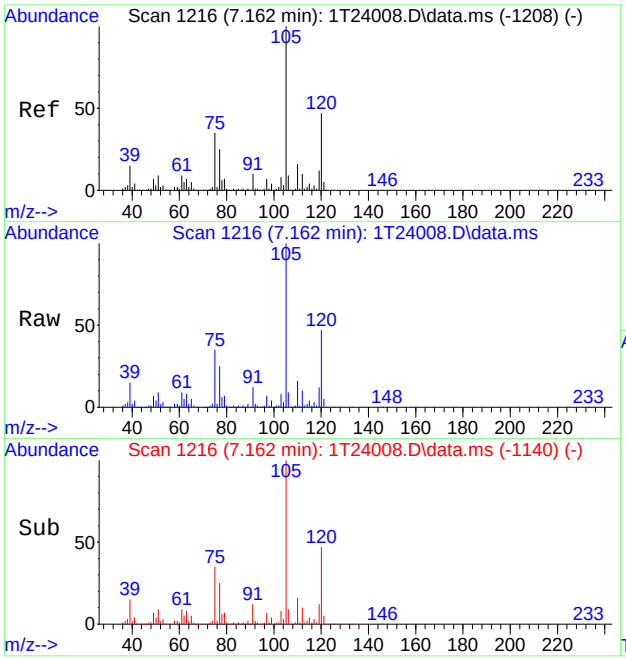


#100
trans-1,4-dichloro-2-butene
Concen: 49.03 ug/L
RT: 7.183 min Scan# 1220
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 53 Resp: 77230

Ion	Ratio	Lower	Upper
53	100		
88	59.6	29.7	89.7
75	127.1	100.3	160.3

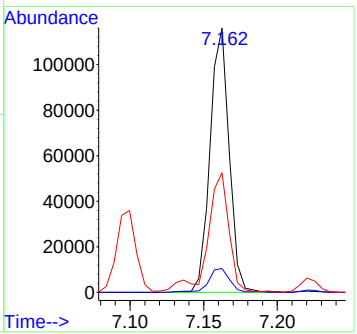


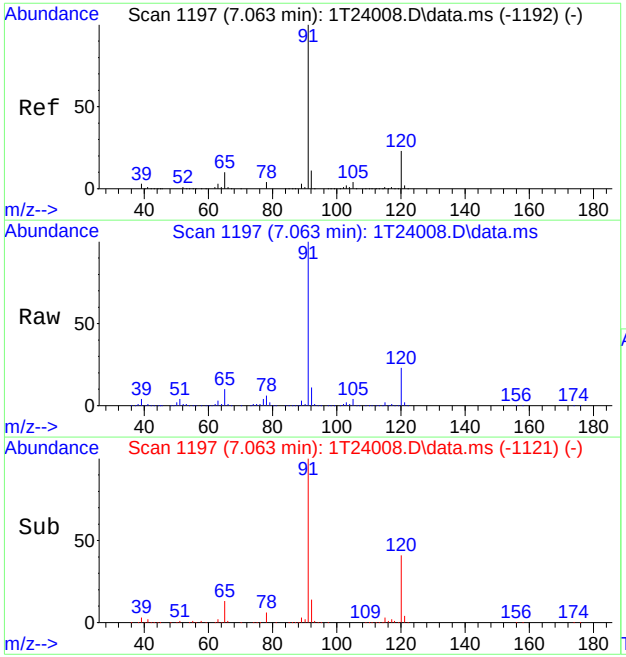


#101
1,2,3-trichloropropane
Concen: 50.00 ug/L
RT: 7.162 min Scan# 1216
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion:110 Resp: 104859

Ion	Ratio	Lower	Upper
110	100		
111	9.0	0.0	39.0
97	45.1	15.1	75.1

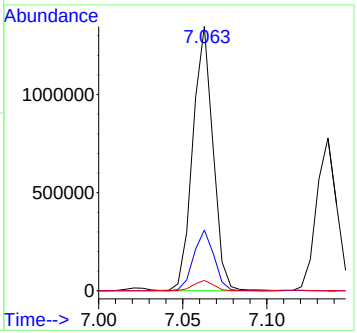


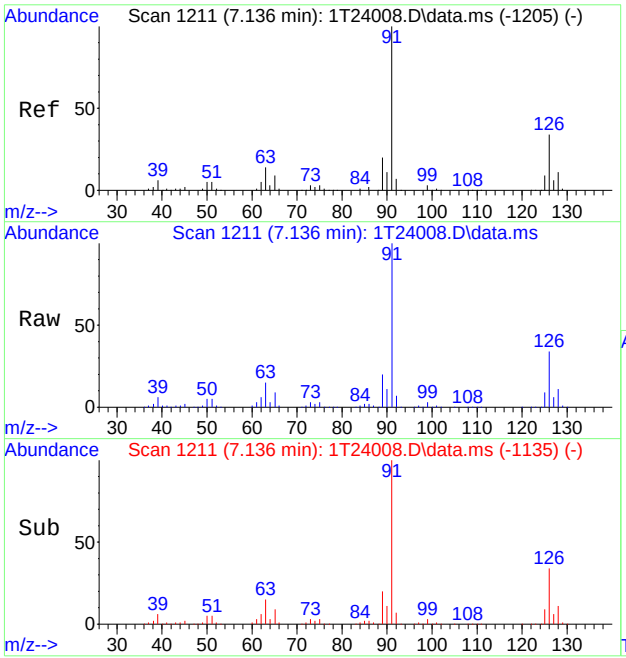


#102
n-propylbenzene
Concen: 50.00 ug/L
RT: 7.063 min Scan# 1197
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 91 Resp: 1124386

Ion	Ratio	Lower	Upper
91	100		
120	23.1	0.0	53.1
105	3.9	0.0	33.9

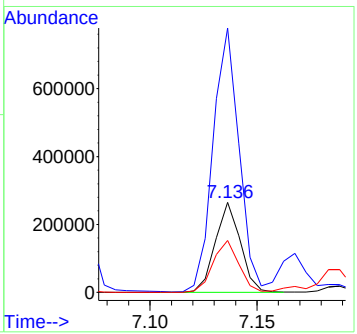


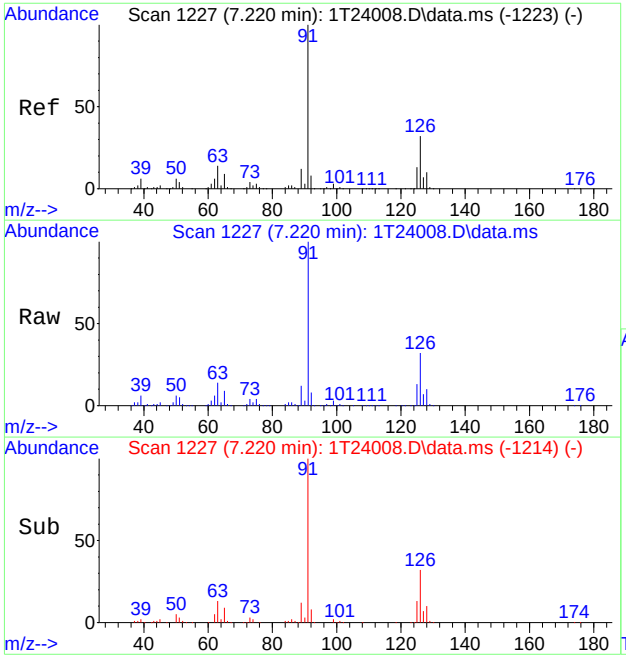


#103
2-chlorotoluene
Concen: 50.00 ug/L
RT: 7.136 min Scan# 1211
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion:126 Resp: 217757

Ion	Ratio	Lower	Upper
126	100		
91	293.0	263.0	323.0
89	57.6	27.6	87.6

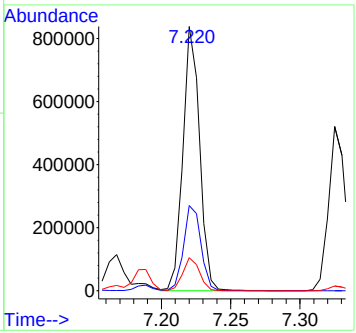


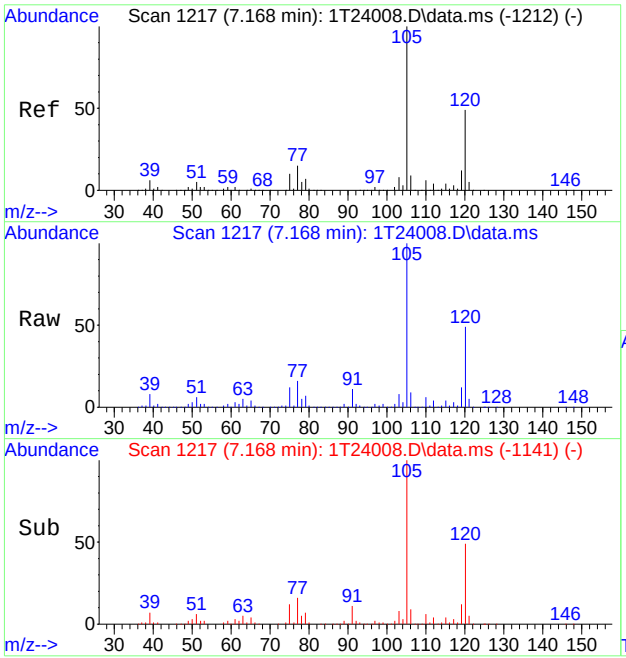


#104
4-chlorotoluene
Concen: 50.00 ug/L
RT: 7.220 min Scan# 1227
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion: 91 Resp: 703454

Ion	Ratio	Lower	Upper
91	100		
126	32.2	2.2	62.2
89	12.5	0.0	42.5

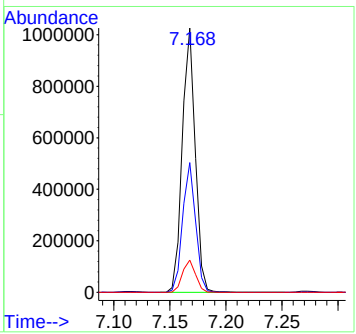


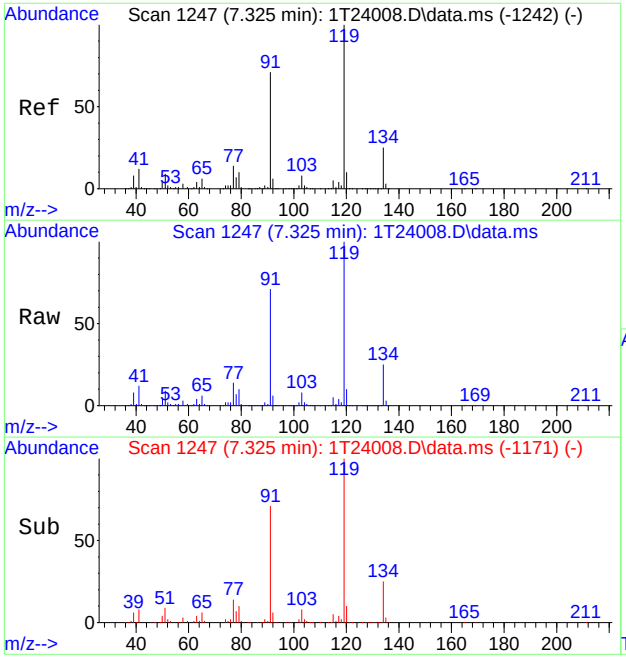


#105
1,3,5-trimethylbenzene
Concen: 50.00 ug/L
RT: 7.168 min Scan# 1217
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion:105 Resp: 827916

Ion	Ratio	Lower	Upper
105	100		
120	49.0	19.0	79.0
119	12.2	0.0	42.2

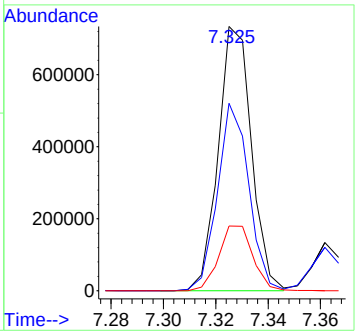


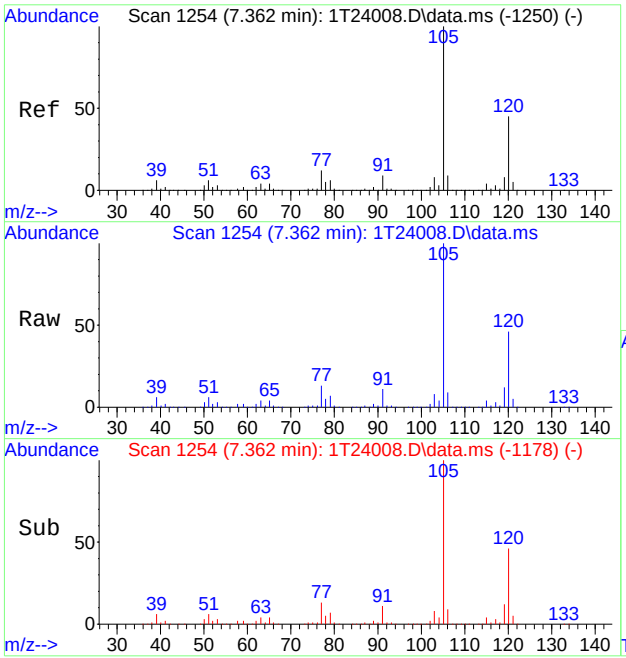


#106
tert-butylbenzene
Concen: 50.00 ug/L
RT: 7.325 min Scan# 1247
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion:119 Resp: 652681

Ion	Ratio	Lower	Upper
119	100		
91	70.9	40.9	100.9
134	24.5	0.0	54.5

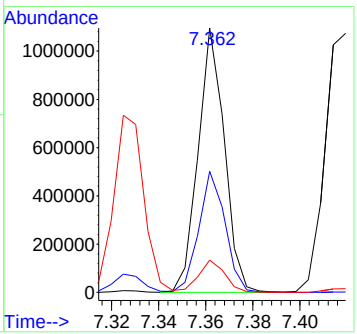


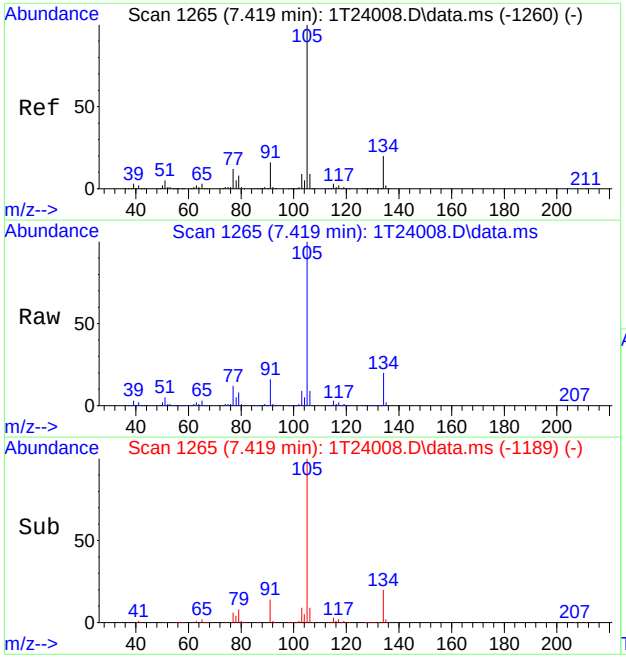


#107
1,2,4-trimethylbenzene
Concen: 50.00 ug/L
RT: 7.362 min Scan# 1254
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion:105 Resp: 852740

Ion	Ratio	Lower	Upper
105	100		
120	45.8	15.8	75.8
119	12.2	0.0	42.2

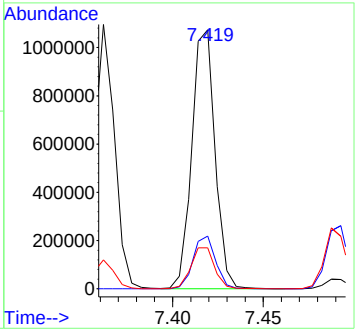


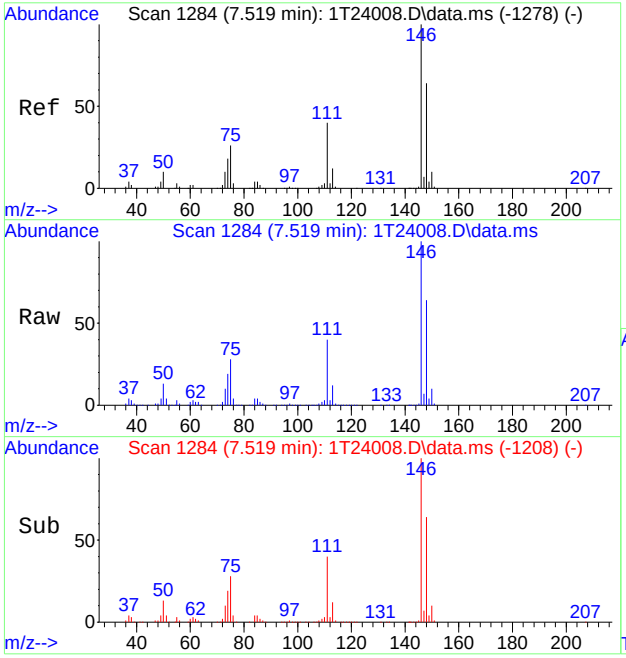


#108
sec-butylbenzene
Concen: 50.00 ug/L
RT: 7.419 min Scan# 1265
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion:105 Resp: 957993

Ion	Ratio	Lower	Upper
105	100		
134	20.4	0.0	50.4
91	15.8	0.0	45.8

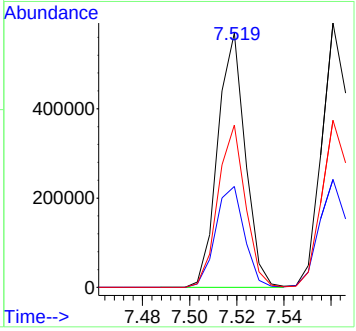


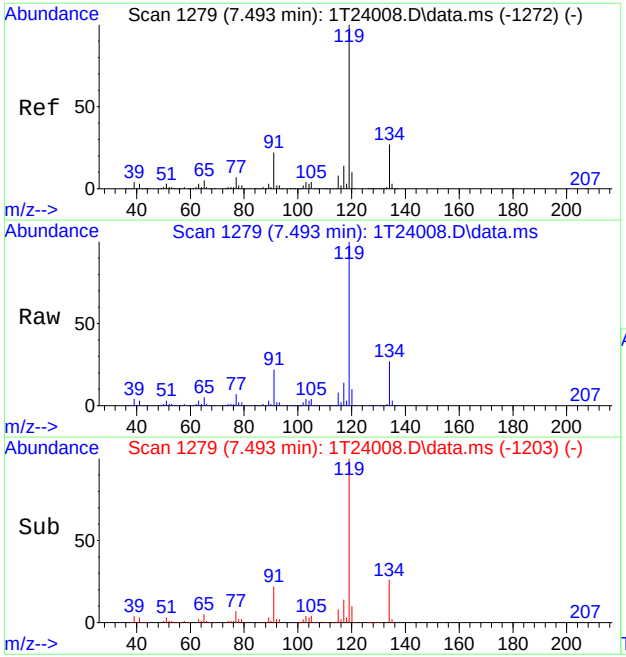


#109
1,3-dichlorobenzene
Concen: 50.00 ug/L
RT: 7.519 min Scan# 1284
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion:146 Resp: 462898

Ion	Ratio	Lower	Upper
146	100		
111	39.6	9.6	69.6
148	63.7	33.7	93.7

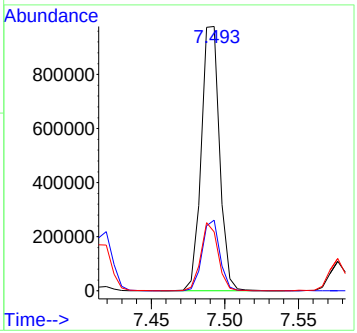


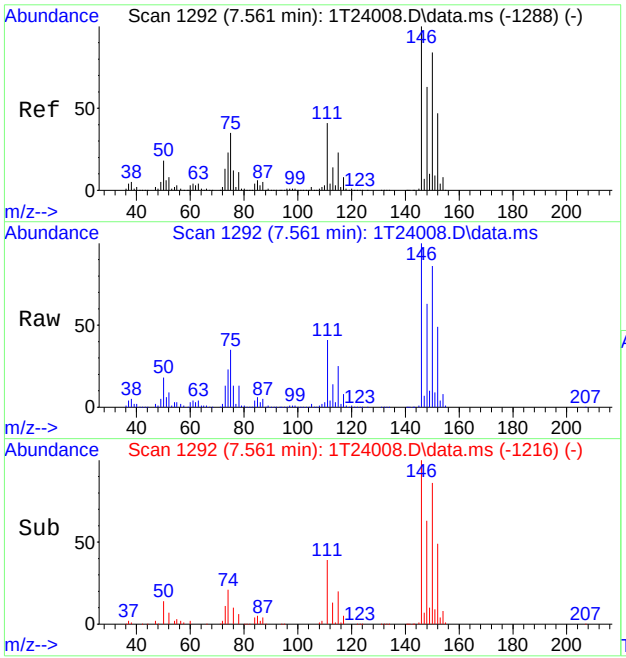


#110
p-isopropyltoluene
Concen: 50.00 ug/L
RT: 7.493 min Scan# 1279
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion:119 Resp: 845626

Ion	Ratio	Lower	Upper
119	100		
134	26.8	0.0	56.8
91	22.2	0.0	52.2

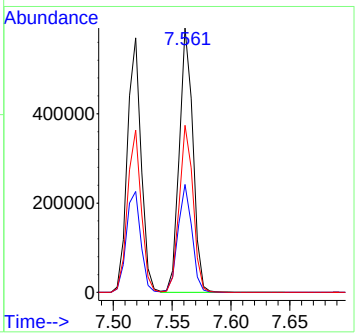


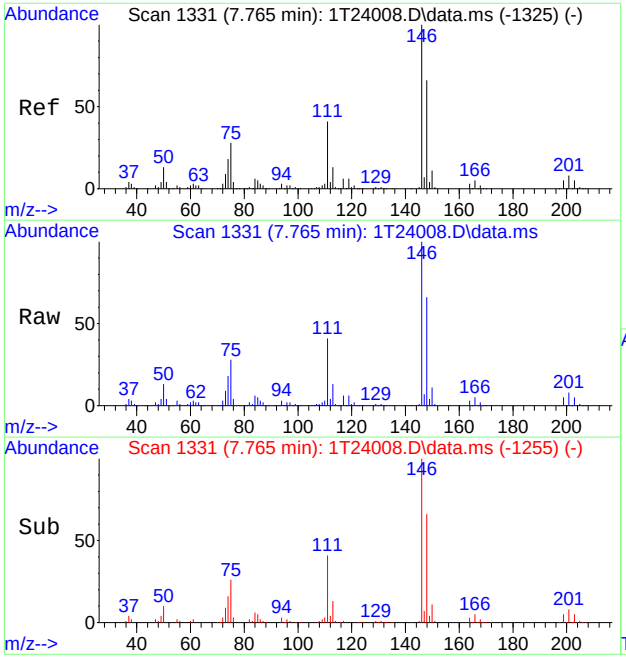


#111
1,4-dichlorobenzene
Concen: 50.00 ug/L
RT: 7.561 min Scan# 1292
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion:146 Resp: 476791

Ion	Ratio	Lower	Upper
146	100		
111	40.8	10.8	70.8
148	63.2	33.2	93.2

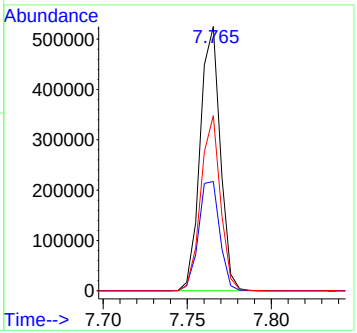


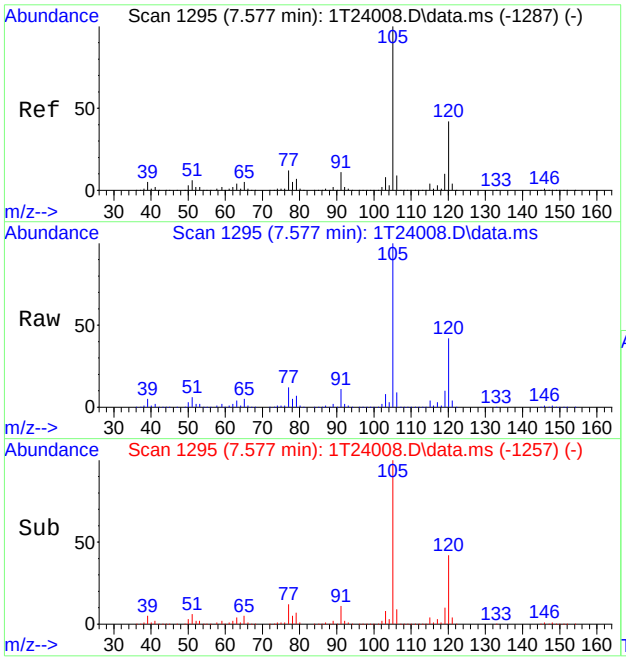


#112
1,2-dichlorobenzene
Concen: 50.00 ug/L
RT: 7.765 min Scan# 1331
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion:146 Resp: 437966

Ion	Ratio	Lower	Upper
146	100		
111	41.3	11.3	71.3
148	66.2	36.2	96.2

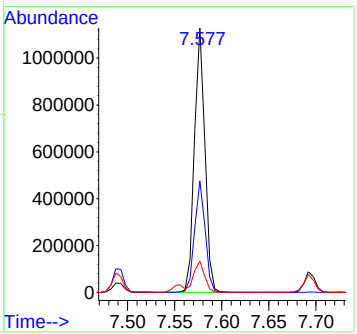


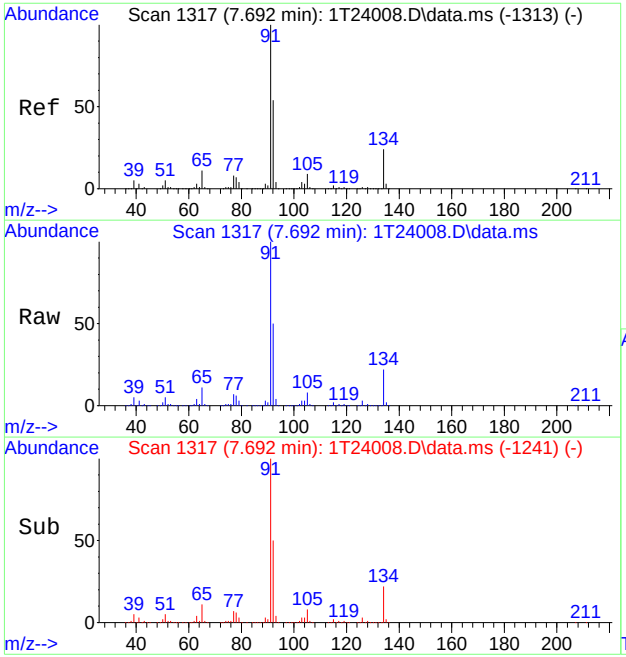


#113
1,2,3-trimethylbenzene
Concen: 50.00 ug/L
RT: 7.577 min Scan# 1295
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion:105 Resp: 883697

Ion	Ratio	Lower	Upper
105	100		
120	42.2	12.2	72.2
77	11.7	0.0	41.7

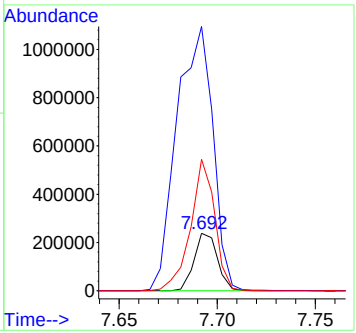


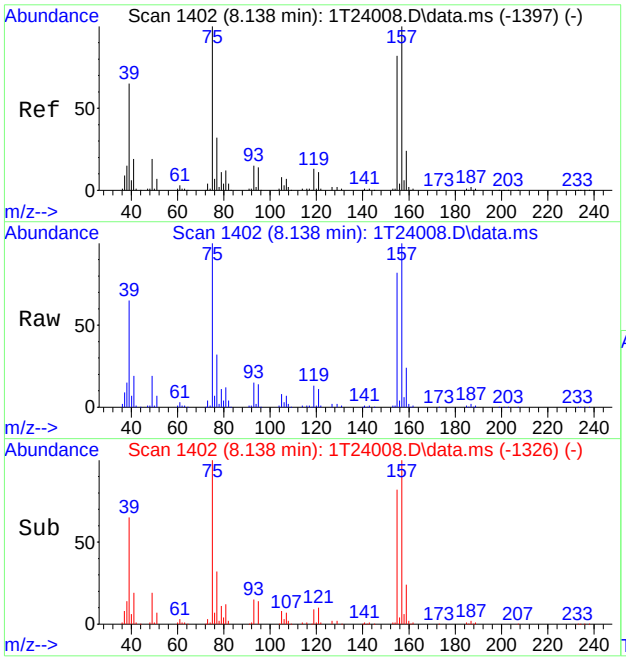


#114
n-butylbenzene
Concen: 50.00 ug/L
RT: 7.692 min Scan# 1317
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion:134 Resp: 197555

Ion	Ratio	Lower	Upper
134	100		
91	459.9	429.9	489.9
92	229.0	199.0	259.0

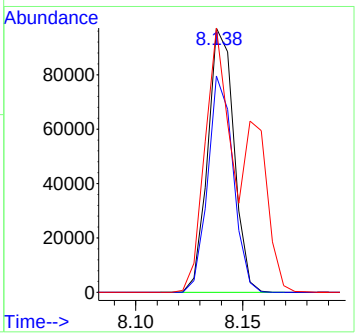


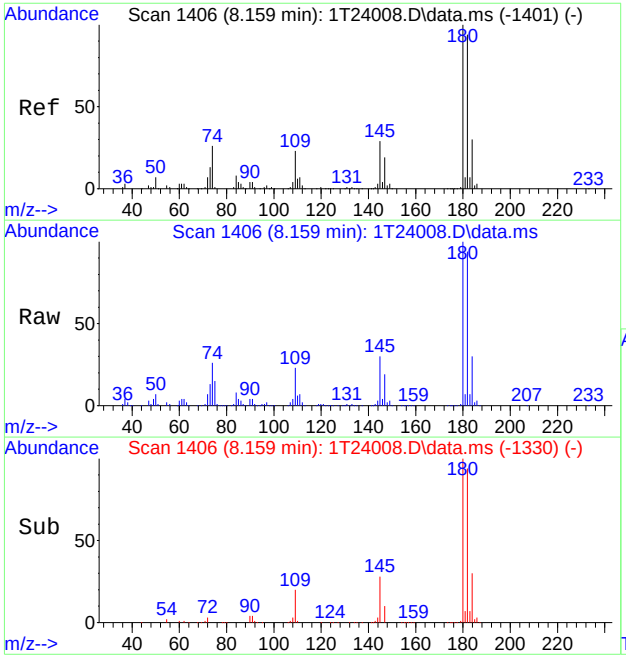


#115
1,2-dibromo-3-chloropropane
Concen: 50.00 ug/L
RT: 8.138 min Scan# 1402
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion:157 Resp: 82977

Ion	Ratio	Lower	Upper
157	100		
155	81.9	51.9	111.9
75	100.0	70.0	130.0

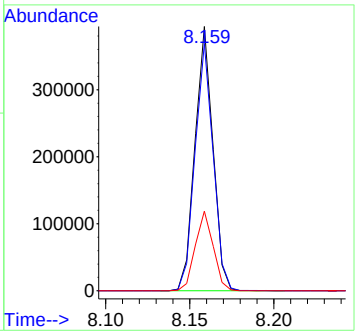


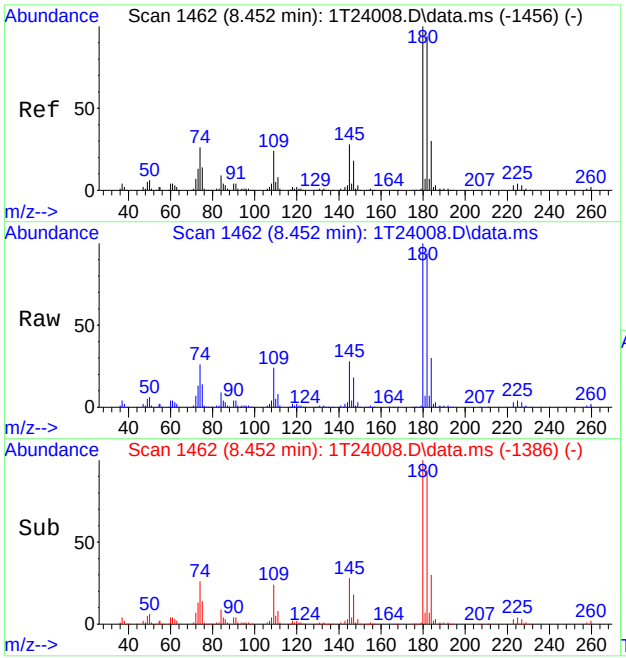


#116
1,3,5-trichlorobenzene
Concen: 50.00 ug/L
RT: 8.159 min Scan# 1406
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion:180 Resp: 293354

Ion	Ratio	Lower	Upper
180	100		
182	93.5	73.5	113.5
184	30.1	10.1	50.1

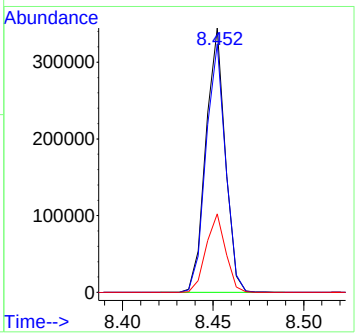


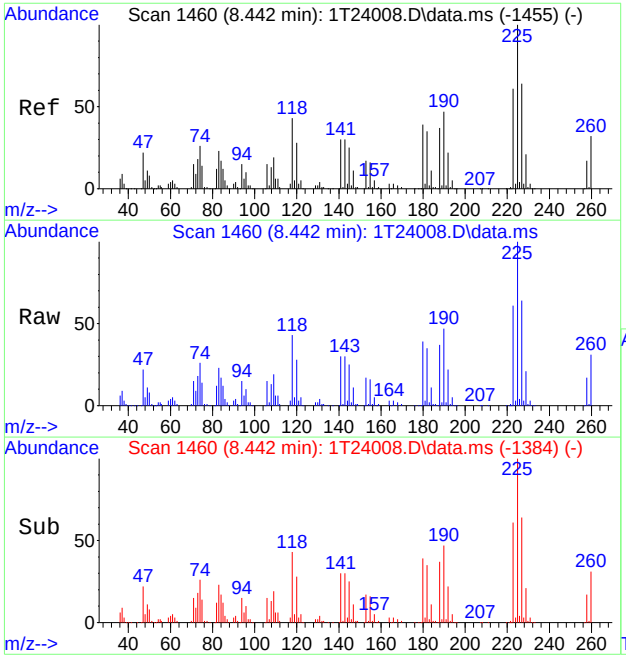


#117
1,2,4-trichlorobenzene
Concen: 50.00 ug/L
RT: 8.452 min Scan# 1462
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion:180 Resp: 255481

Ion	Ratio	Lower	Upper
180	100		
182	94.0	64.0	124.0
184	29.7	0.0	59.7

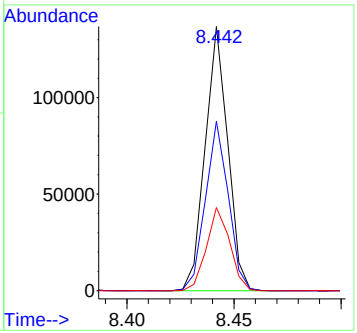


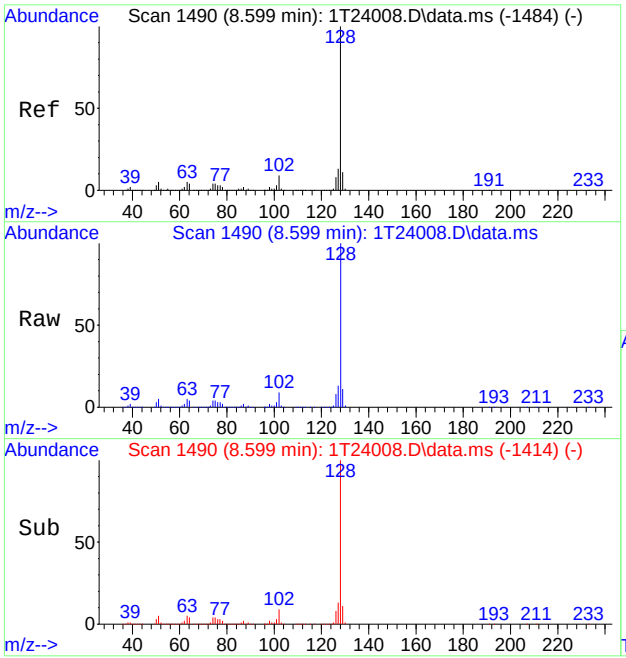


#118
hexachlorobutadiene
Concen: 50.00 ug/L
RT: 8.442 min Scan# 1460
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion:225 Resp: 100808

Ion	Ratio	Lower	Upper
225	100		
227	64.1	34.1	94.1
260	31.5	1.5	61.5

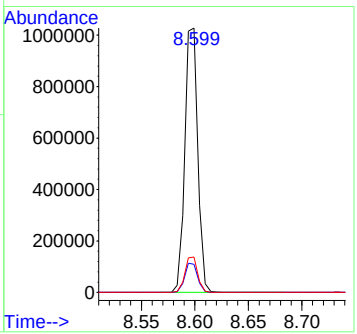


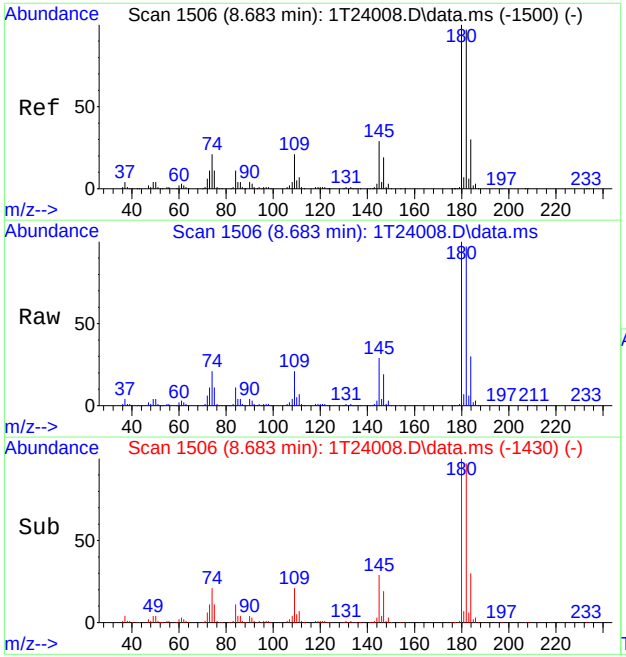


#119
naphthalene
Concen: 50.00 ug/L
RT: 8.599 min Scan# 1490
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion:128 Resp: 866017

Ion	Ratio	Lower	Upper
128	100		
129	10.7	0.0	40.7
127	13.4	0.0	43.4

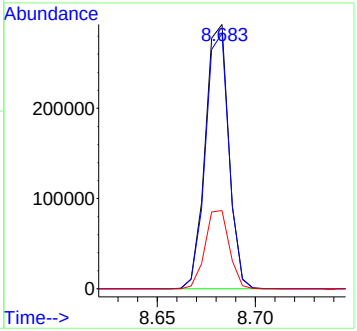


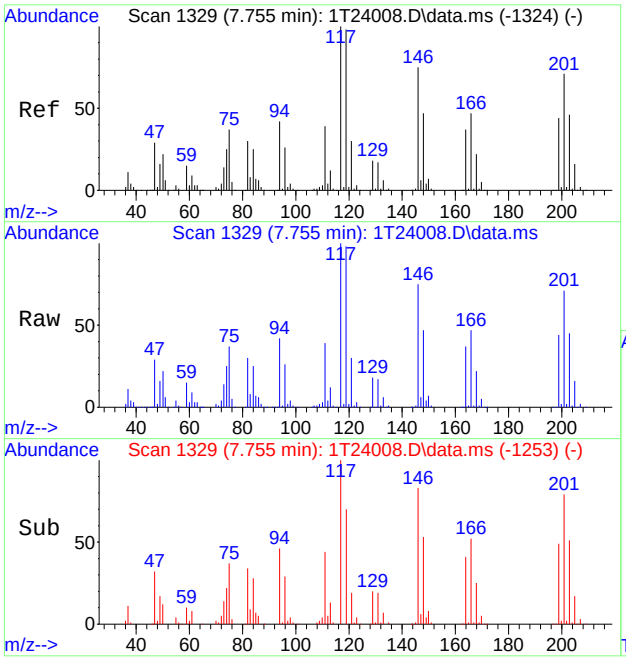


#120
1,2,3-trichlorobenzene
Concen: 50.00 ug/L
RT: 8.683 min Scan# 1506
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion:180 Resp: 245792

Ion	Ratio	Lower	Upper
180	100		
182	96.5	66.5	126.5
184	29.6	0.0	59.6

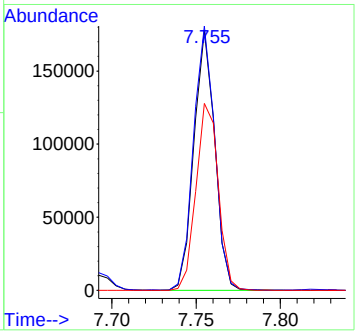


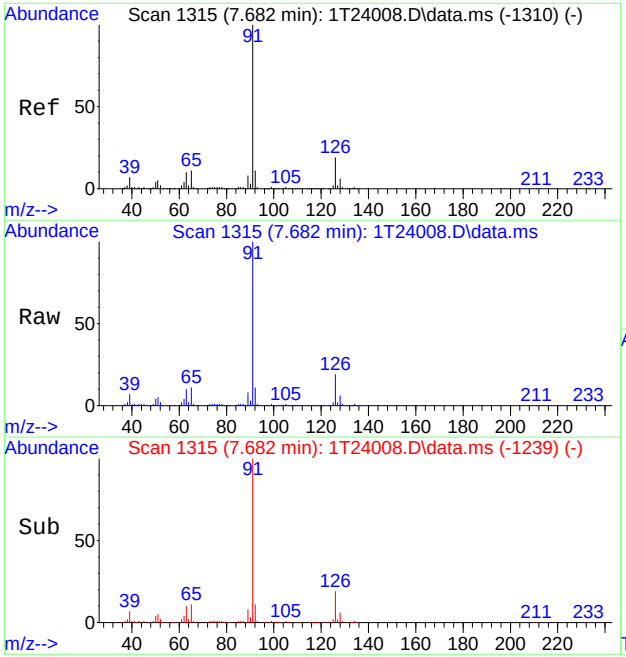


#121
hexachloroethane
Concen: 50.00 ug/L
RT: 7.755 min Scan# 1329
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion:119 Resp: 153787

Ion	Ratio	Lower	Upper
119	100		
117	101.7	71.7	131.7
201	72.0	42.0	102.0

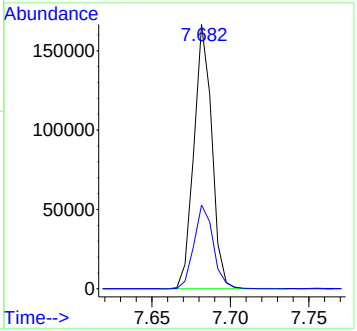


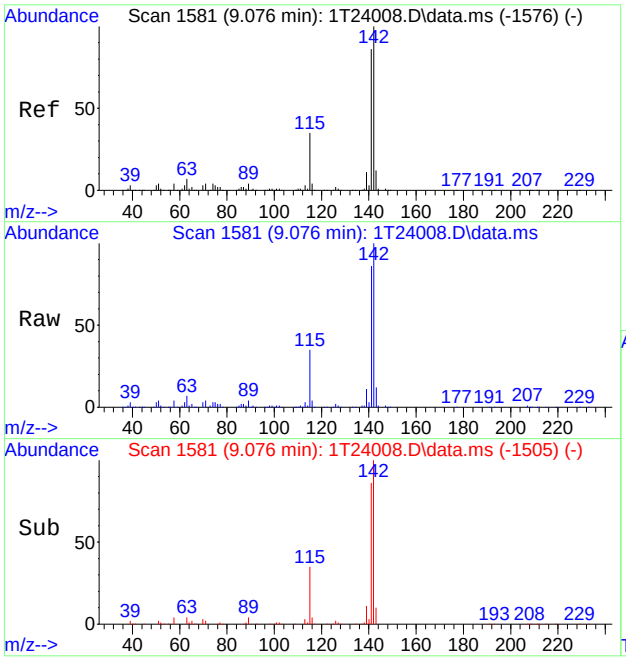


#122
benzyl chloride
Concen: 50.00 ug/L
RT: 7.682 min Scan# 1315
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion:126 Resp: 132739

Ion	Ratio	Lower	Upper
126	100		
128	31.7	1.7	61.7

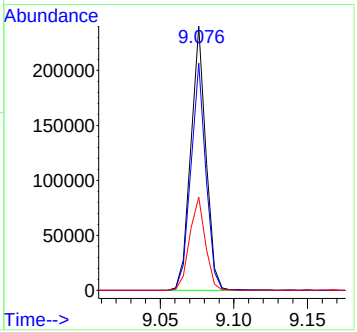




#123
2-methylnaphthalene
Concen: 25.00 ug/L
RT: 9.076 min Scan# 1581
Delta R.T. 0.000 min
Lab File: 1T24008.D
Acq: 18 Sep 2025 01:29 pm

Tgt Ion:142 Resp: 172140

Ion	Ratio	Lower	Upper
142	100		
141	85.9	55.9	115.9
115	35.4	5.4	65.4



7.6.22

7

Manual Integration Approval Summary

Sample Number: V1T579-ICC579
Lab FileID: 1T24008.D
Injection Time: 09/18/25 13:29

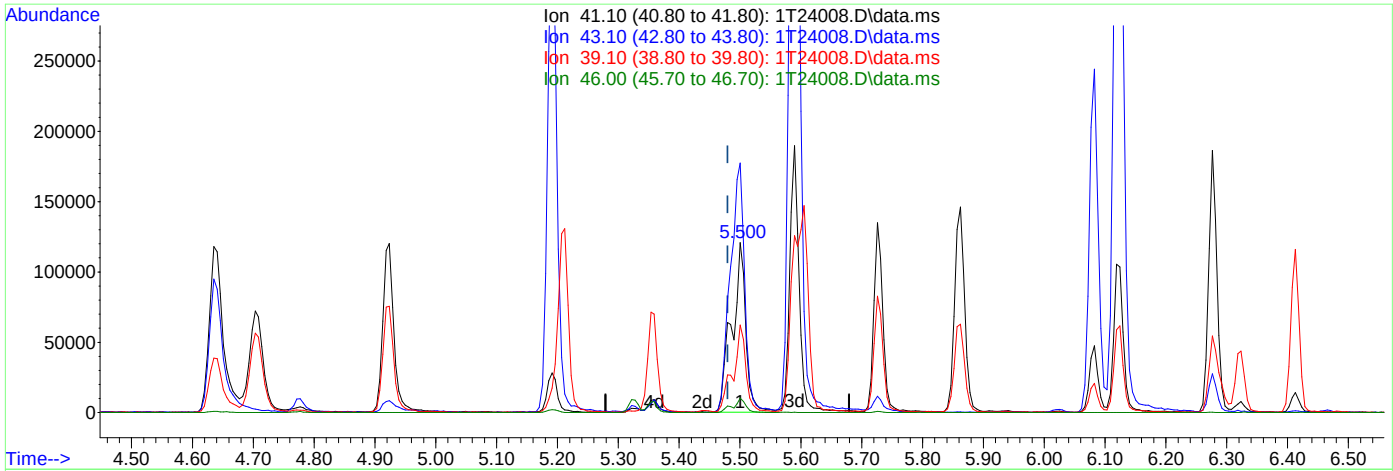
Method: SW846 8260D
Analyst approved: 09/19/25 12:39 MoHui Huang
Supervisor approved: 09/19/25 18:04 Kanya Veerawat

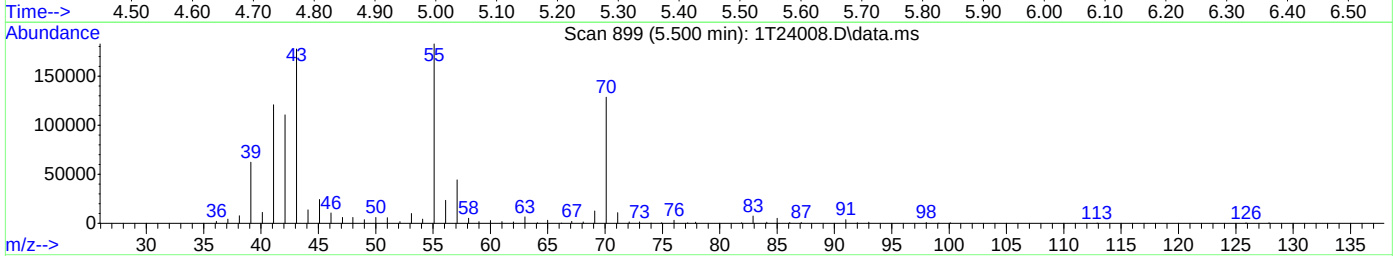
Parameter	CAS	Sig#	R.T. (min.)	Reason
2-Nitropropane	79-46-9		5.48	Overlapping peak

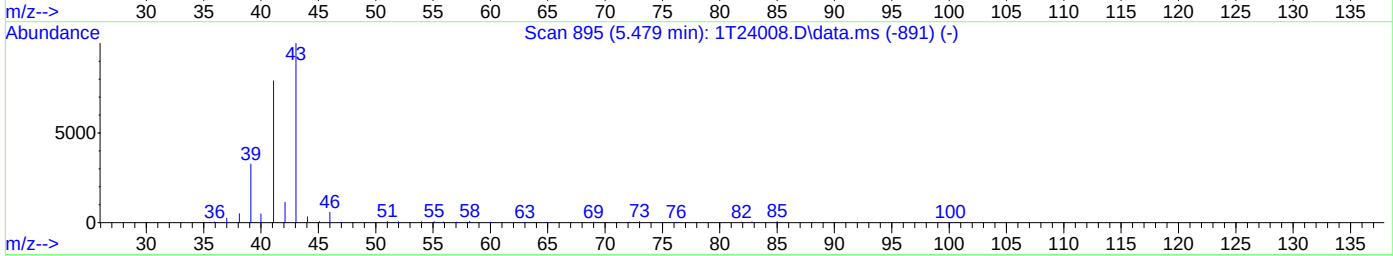
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\Initials\VT579\
Data File : 1T24008.D
Acq On : 18 Sep 2025 01:29 pm
Operator : edwardd
Sample : icc579-50
Misc : MS96870,V1T0579,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 19 09:47:12 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 09:47:02 2025
Response via : Initial Calibration







TIC: 1T24008.D\data.ms

(61) 2-nitropropane

5.500min (+0.021) 136.12ug/L

response 192071

Ion	Exp%	Act%
41.10	100	100
43.10	126.20	147.13
39.10	41.90	50.96
46.00	7.20	8.55

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 09/19/25 18:04

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VT579\
Data File : 1T24010.D
Acq On : 18 Sep 2025 01:57 pm
Operator : edwardd
Sample : ic579-100
Misc : MS96870,V1T0579,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 19 11:01:49 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 10:19:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	1.993	65	370429	500.00	ug/L	0.00
5) pentafluorobenzene	3.729	168	713366	50.00	ug/L	0.00
50) 1,4-difluorobenzene	4.316	114	1223948	50.00	ug/L	0.00
72) chlorobenzene-d5	6.282	117	1050219	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	7.556	152	541549	50.00	ug/L	0.00
124) pentafluorobenzene(a)	3.729	168	713366	50.00	ug/L	0.00
132) 1,4-dichlorobenzene-d4(a)	7.556	152	541549	50.00	ug/L	0.00
System Monitoring Compounds						
42) dibromofluoromethane (s)	3.183	113	403616	47.31	ug/L	0.00
Spiked Amount 50.000	Range 75 - 127		Recovery = 94.62%			
51) 1,2-dichloroethane-d4 (s)	3.744	65	438273	47.41	ug/L	0.00
Spiked Amount 50.000	Range 75 - 130		Recovery = 94.82%			
73) toluene-d8 (s)	5.328	98	1377989	47.91	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 95.82%			
97) 4-bromofluorobenzene (s)	6.985	95	509768	51.48	ug/L	0.00
Spiked Amount 50.000	Range 79 - 127		Recovery = 102.96%			
Target Compounds						Qvalue
2) ethanol	1.474	45	393024	4420.5245	ug/L	95
3) tertiary butyl alcohol	2.040	59	306747	439.7460	ug/L	98
4) 1,4-dioxane	4.924	88	96623	2047.8897	ug/L	95
6) chlorodifluoromethane	0.897	51	511754	89.2758	ug/L	100
7) dichlorodifluoromethane	0.882	85	680456	101.8349	ug/L	98
8) chloromethane	0.971	50	377955	94.5221	ug/L	98
9) vinyl chloride	1.002	62	563615	105.2487	ug/L	99
10) 1,3-butadiene	1.013	39	354356	92.9866	ug/L	95
11) bromomethane	1.149	96	379939	129.3517	ug/L #	96
12) chloroethane	1.201	64	468339	94.9257	ug/L	98
13) trichlorofluoromethane	1.270	101	1198805	99.3010	ug/L	99
14) ethyl ether	1.411	74	305280	110.1371	ug/L	96
15) acrolein	1.679	56	112529	106.8673	ug/L	98
16) freon 113	1.532	151	398461	105.0421	ug/L	96
17) 1,1-dichloroethene	1.511	61	745475	94.4558	ug/L	98
18) acetone	1.846	58	250332	365.2176	ug/L	97
19) acetonitrile	2.129	41	587192	927.4809	ug/L	99
20) iodomethane	1.589	142	372949	233.5683	ug/L	95
21) carbon disulfide	1.537	76	1365177	89.7575	ug/L	99
22) methylene chloride	1.820	84	517519	89.3694	ug/L	99
23) methyl acetate	1.920	74	110742	106.0729	ug/L	97
24) methyl tert butyl ether	1.983	73	1300508	138.5544	ug/L	96
25) trans-1,2-dichloroethene	1.914	96	536203	101.1432	ug/L	98
26) hexane	1.967	57	800730	125.1068	ug/L	99
27) di-isopropyl ether	2.245	45	1069010	127.9319	ug/L	97
28) ethyl tert-butyl ether	2.523	59	1311037	142.4656	ug/L	98
29) 2-butanone	3.314	72	339401	597.6692	ug/L	94
30) 1,1-dichloroethane	2.318	63	813189	102.8557	ug/L	99
31) chloroprene	2.302	53	695502	131.1762	ug/L	100
32) acrylonitrile	2.350	52	176034	115.4592	ug/L	99
33) vinyl acetate	2.517	86	126054	153.7867	ug/L #	92
34) ethyl acetate	3.147	70	74233	141.2412	ug/L	95
35) 2,2-dichloropropane	2.842	77	754395	120.4366	ug/L	99
36) cis-1,2-dichloroethene	2.748	96	493469	107.6043	ug/L	97
37) propionitrile	3.613	54	874576	1053.8550	ug/L	98
38) methyl acrylate	3.147	85	102072	146.5096	ug/L #	81
39) bromochloromethane	2.926	128	233879	98.1353	ug/L	98
40) tetrahydrofuran	3.157	71	84885	135.3288	ug/L	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VT579\
Data File : 1T24010.D
Acq On : 18 Sep 2025 01:57 pm
Operator : edwardd
Sample : ic579-100
Misc : MS96870,V1T0579,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 19 11:01:49 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 10:19:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) chloroform	3.005	47	194964	86.4076 ug/L	97
43) methacrylonitrile	3.645	67	229793	132.7865 ug/L	95
44) 1,1,1-trichloroethane	3.204	97	821662	115.4857 ug/L	98
45) cyclohexane	2.937	84	673071	133.2199 ug/L	98
46) 1,1-dichloropropene	3.335	75	667381	140.5617 ug/L	99
47) carbon tetrachloride	3.136	117	736805	118.2624 ug/L	96
48) isobutyl alcohol	3.944	43	190761	1137.0166 ug/L	98
49) tert-amyl alcohol	4.048	55	128448	561.4369 ug/L	96
52) iso-octane	3.477	57	1101216	126.4552 ug/L	97
53) benzene	3.597	78	1783716	114.1553 ug/L	100
54) tert-amyl methyl ether	3.776	73	1244985	124.5484 ug/L	99
55) heptane	3.613	57	205691	119.7645 ug/L	98
56) isopropyl acetate	4.200	87	131236	138.4522 ug/L #	88
57) 1,2-dichloroethane	3.823	62	671384	95.1417 ug/L	99
58) n-butyl alcohol	4.641	56	674491	5088.1310 ug/L	97
59) ethyl acrylate	4.777	55	606042	129.3396 ug/L	99
60) trichloroethene	4.269	130	513572	124.6045 ug/L	96
61) 2-nitropropane	5.485	41	165508m	116.5919 ug/L	
62) 2-chloroethyl vinyl ether	5.191	63	1617235	703.4016 ug/L	100
63) methyl methacrylate	4.924	100	148529	129.0816 ug/L	90
64) 1,2-dichloropropane	4.709	63	449048	112.6572 ug/L	100
65) methylcyclohexane	4.258	98	362573	128.7224 ug/L #	97
66) dibromomethane	4.625	93	332824	95.2191 ug/L	94
67) bromodichloromethane	4.772	83	701922	109.7239 ug/L	100
68) epichlorohydrin	5.364	57	337958	586.3888 ug/L	98
69) cis-1,3-dichloropropene	5.212	75	787606	134.8020 ug/L	100
70) 4-methyl-2-pentanone	5.590	58	831041	481.0278 ug/L	96
71) 3-methyl-1-butanol	5.506	70	321138	2206.3397 ug/L	96
74) toluene	5.359	92	1131939	101.6412 ug/L	98
75) ethyl methacrylate	5.726	69	556458	122.8668 ug/L	98
76) trans-1,3-dichloropropene	5.606	75	784434	125.4577 ug/L	99
77) 1,1,2-trichloroethane	5.700	83	373296	115.5725 ug/L	98
78) tetrachloroethene	5.579	166	480409	104.3227 ug/L	98
79) 2-hexanone	6.125	58	846207	512.6928 ug/L	99
80) 1,3-dichloropropane	5.863	76	773945	117.4379 ug/L	99
81) butyl acetate	6.083	56	290269	132.8045 ug/L	97
82) dibromochloromethane	5.805	129	562262	114.7295 ug/L	99
83) 1,2-dibromoethane	5.941	107	488795	114.6121 ug/L	99
84) n-butyl ether	6.277	57	1702421	121.2259 ug/L	99
85) chlorobenzene	6.292	112	1290948	99.7058 ug/L	97
86) 1,1,1,2-tetrachloroethane	6.340	131	487970	112.1003 ug/L	99
87) ethylbenzene	6.324	91	2158854	105.0548 ug/L	99
88) m,p-xylene	6.413	106	1719708	219.5693 ug/L	98
89) o-xylene	6.659	106	821909	114.7678 ug/L	98
90) styrene	6.691	104	1410450	124.7327 ug/L	98
91) bromoform	6.696	173	409749	108.7125 ug/L	99
92) butyl acrylate	6.780	55	862740	131.9090 ug/L	99
93) n-amyl acetate	6.922	70	362829	130.8666 ug/L	97
94) isopropylbenzene	6.838	105	2176096	119.7080 ug/L	99
95) cis-1,4-dichloro-2-butene	7.021	88	241081	110.4011 ug/L	96
98) bromobenzene	7.037	156	529846	100.0851 ug/L	100
99) 1,1,2,2-tetrachloroethane	7.095	83	653013	100.2431 ug/L	99
100) trans-1,4-dichloro-2-b...	7.184	53	167467	101.7708 ug/L	96
101) 1,2,3-trichloropropane	7.163	110	234222	101.5590 ug/L	99
102) n-propylbenzene	7.063	91	2556895	110.8225 ug/L	99
103) 2-chlorotoluene	7.137	126	509084	108.6173 ug/L	98
104) 4-chlorotoluene	7.220	91	1598192	109.1993 ug/L	100
105) 1,3,5-trimethylbenzene	7.168	105	1864010	118.8501 ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VT579\
Data File : 1T24010.D
Acq On : 18 Sep 2025 01:57 pm
Operator : edwardd
Sample : ic579-100
Misc : MS96870,V1T0579,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 19 11:01:49 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 10:19:08 2025
Response via : Initial Calibration

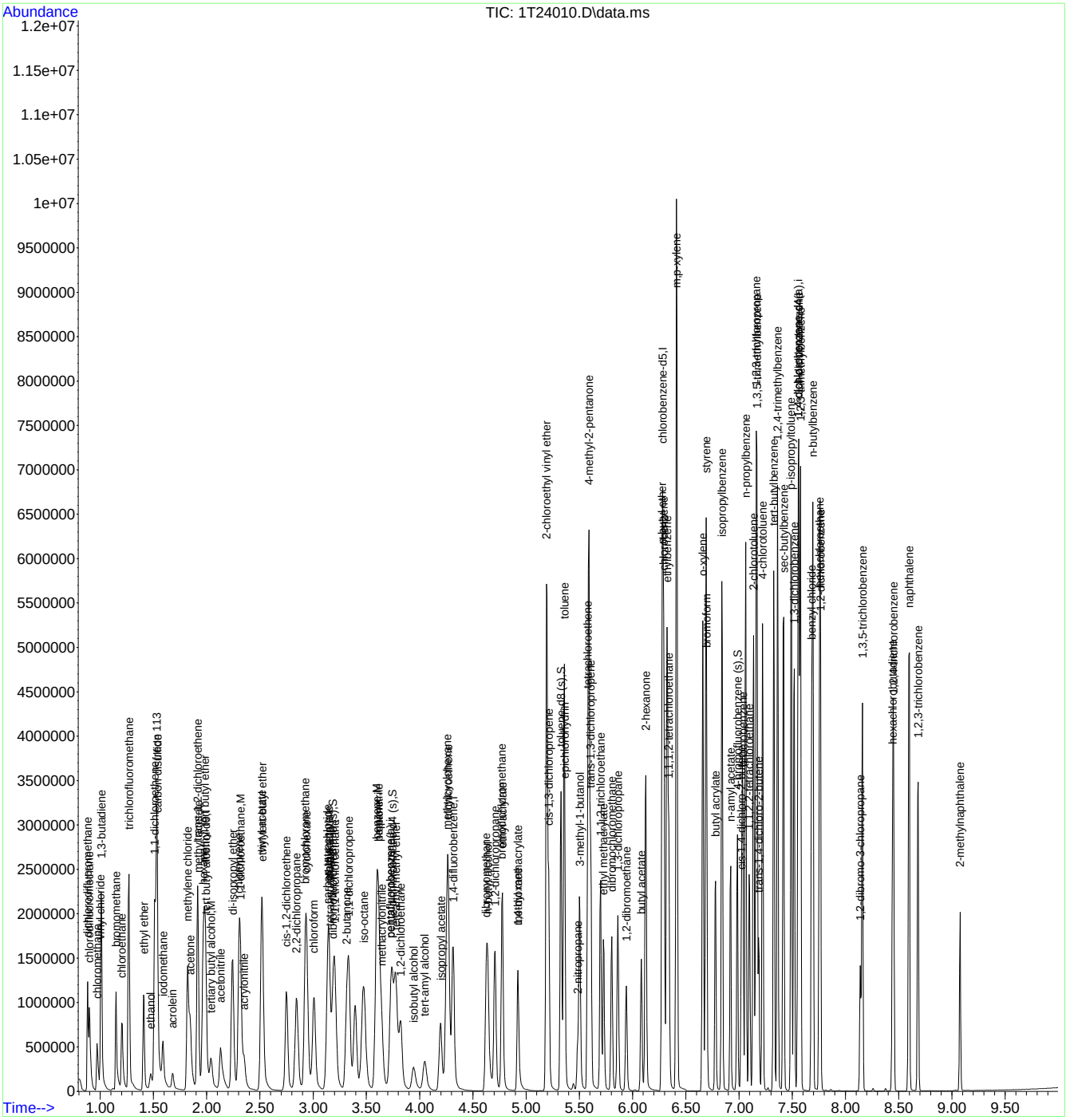
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
106) tert-butylbenzene	7.325	119	1513768	123.4267 ug/L	100
107) 1,2,4-trimethylbenzene	7.362	105	1924514	122.0873 ug/L	99
108) sec-butylbenzene	7.420	105	2157439	122.3057 ug/L	99
109) 1,3-dichlorobenzene	7.519	146	1024925	104.6228 ug/L	99
110) p-isopropyltoluene	7.488	119	1928915	128.3278 ug/L	95
111) 1,4-dichlorobenzene	7.561	146	1056316	99.0244 ug/L	98
112) 1,2-dichlorobenzene	7.766	146	979864	102.8149 ug/L	98
113) 1,2,3-trimethylbenzene	7.577	105	1964599	107.8495 ug/L	98
114) n-butylbenzene	7.692	134	453917	124.3233 ug/L	92
115) 1,2-dibromo-3-chloropr...	8.138	157	194133	100.4136 ug/L	93
116) 1,3,5-trichlorobenzene	8.159	180	656966	105.8452 ug/L	97
117) 1,2,4-trichlorobenzene	8.453	180	577221	108.4764 ug/L	100
118) hexachlorobutadiene	8.442	225	217834	93.9862 ug/L	97
119) naphthalene	8.599	128	1941797	124.3630 ug/L	99
120) 1,2,3-trichlorobenzene	8.683	180	553327	109.7459 ug/L	99
121) hexachloroethane	7.755	119	358640	118.9782 ug/L	97
122) benzyl chloride	7.682	126	311010	122.0343 ug/L	100
123) 2-methylnaphthalene	9.077	142	432297	69.6203 ug/L	99

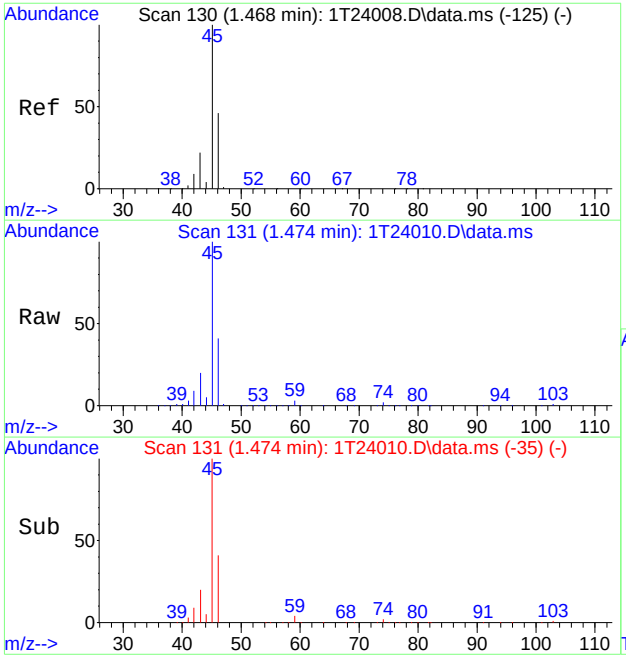
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VT579\
Data File : 1T24010.D
Acq On : 18 Sep 2025 01:57 pm
Operator : edwardd
Sample : ic579-100
Misc : MS96870,V1T0579,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 19 11:01:49 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 10:19:08 2025
Response via : Initial Calibration

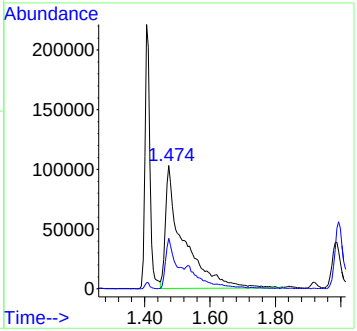


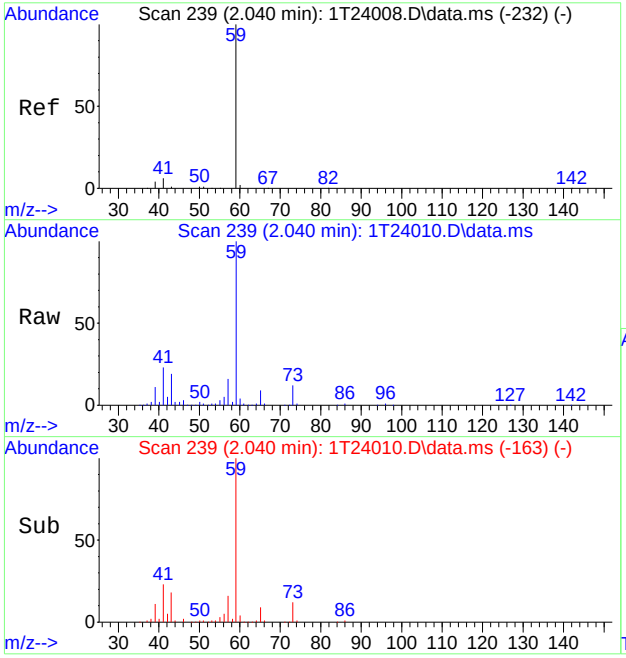


#2
ethanol
Concen: 4420.52 ug/L
RT: 1.474 min Scan# 131
Delta R.T. 0.006 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 45 Resp: 393024

Ion	Ratio	Lower	Upper
45	100		
46	41.2	24.5	64.5

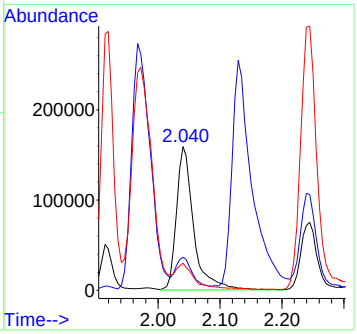


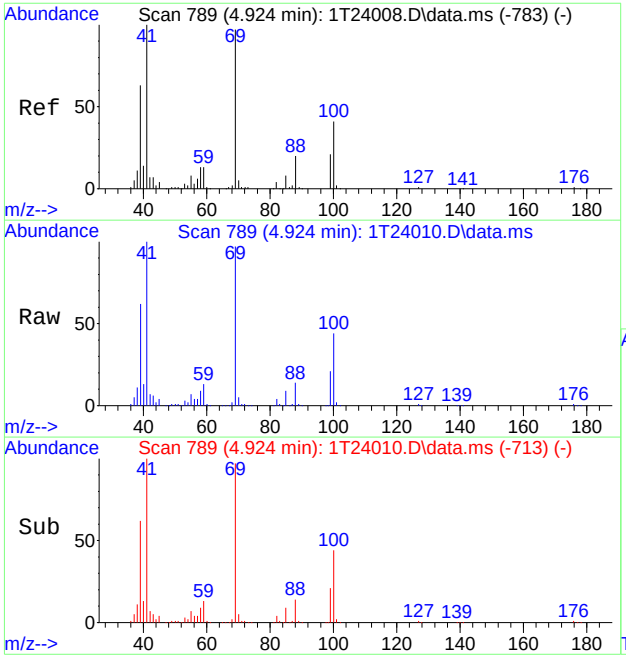


#3
tertiary butyl alcohol
Concen: 439.75 ug/L
RT: 2.040 min Scan# 239
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 59 Resp: 306747

Ion	Ratio	Lower	Upper
59	100		
41	14.3	0.0	43.1
43	18.1	0.0	48.5

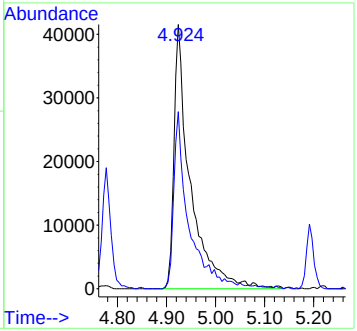


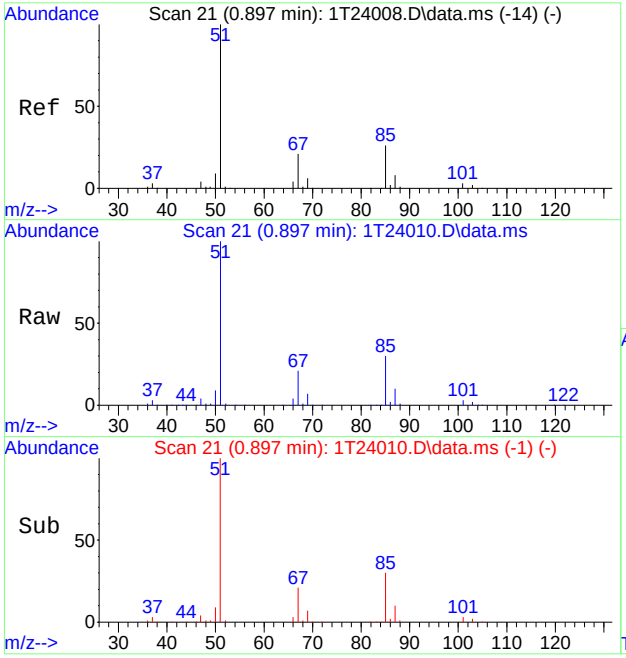


#4
1,4-dioxane
Concen: 2047.89 ug/L
RT: 4.924 min Scan# 789
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 88 Resp: 96623

Ion	Ratio	Lower	Upper
88	100		
58	67.0	43.0	83.0

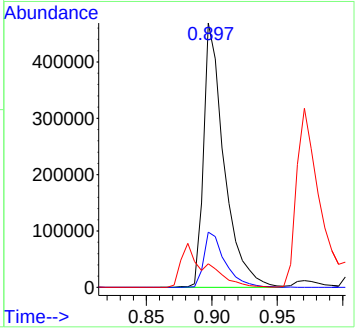


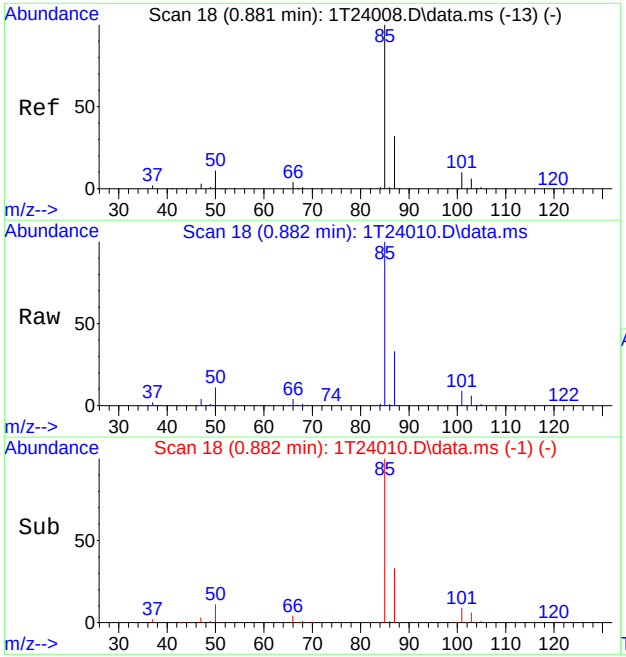


#6
chlorodifluoromethane
Concen: 89.28 ug/L
RT: 0.897 min Scan# 21
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 51 Resp: 511754

Ion	Ratio	Lower	Upper
51	100		
67	20.9	0.0	51.0
50	8.9	0.0	38.8

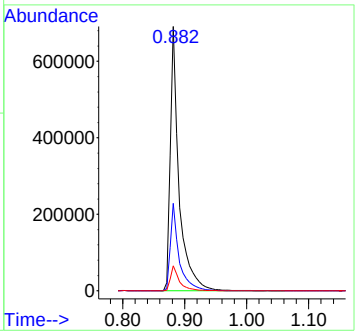


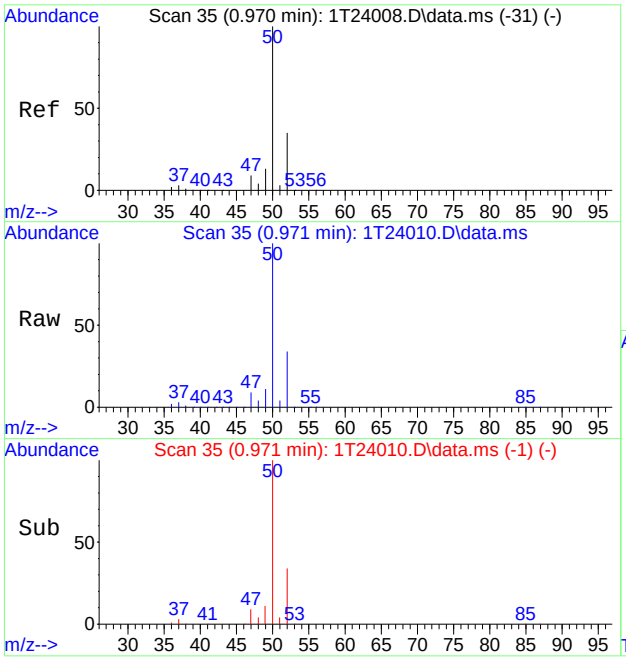


#7
dichlorodifluoromethane
Concen: 101.83 ug/L
RT: 0.882 min Scan# 18
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 85 Resp: 680456

Ion	Ratio	Lower	Upper
85	100		
87	33.1	1.6	61.6
101	9.5	0.0	39.6

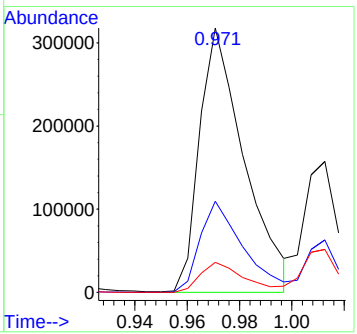


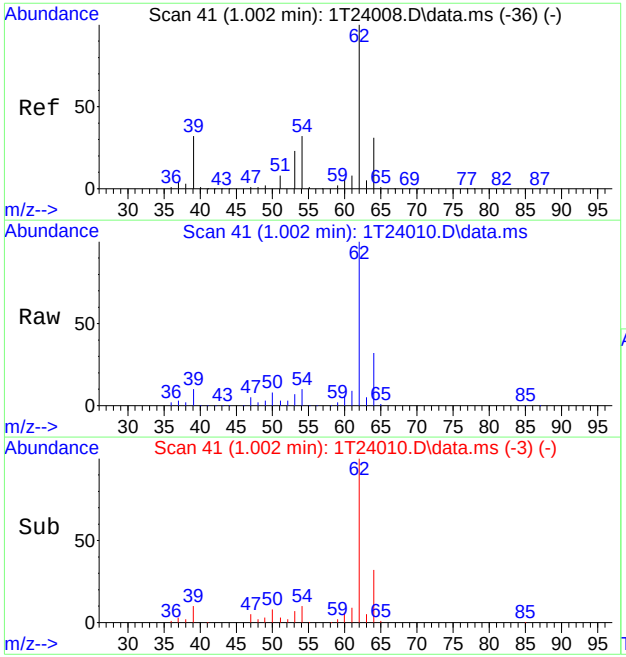


#8
chloromethane
Concen: 94.52 ug/L
RT: 0.971 min Scan# 35
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 50 Resp: 377955

Ion	Ratio	Lower	Upper
50	100		
52	34.6	5.4	65.4
49	11.4	0.0	42.5

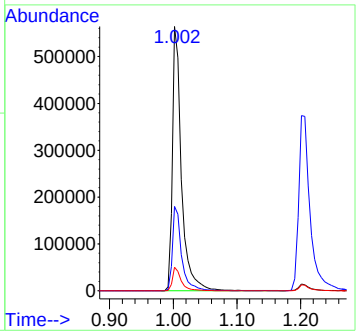


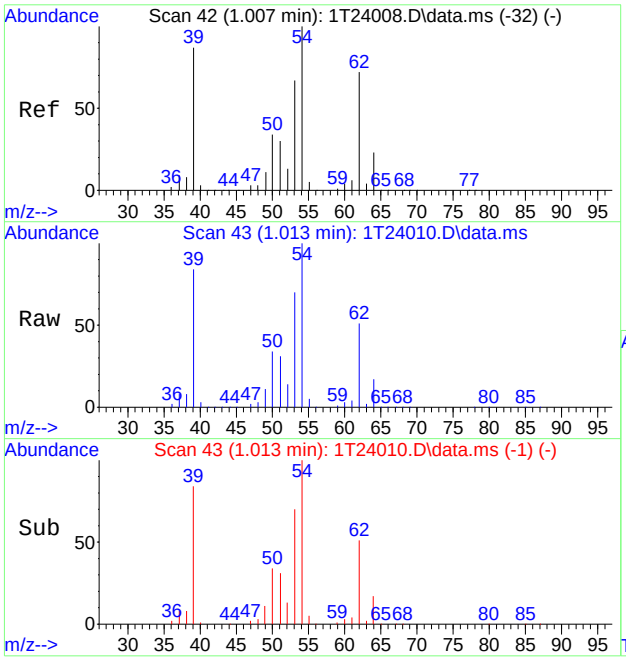


#9
vinyl chloride
Concen: 105.25 ug/L
RT: 1.002 min Scan# 41
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 62 Resp: 563615

Ion	Ratio	Lower	Upper
62	100		
64	31.9	1.5	61.5
61	8.9	0.0	38.2

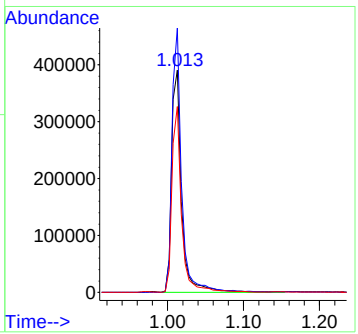


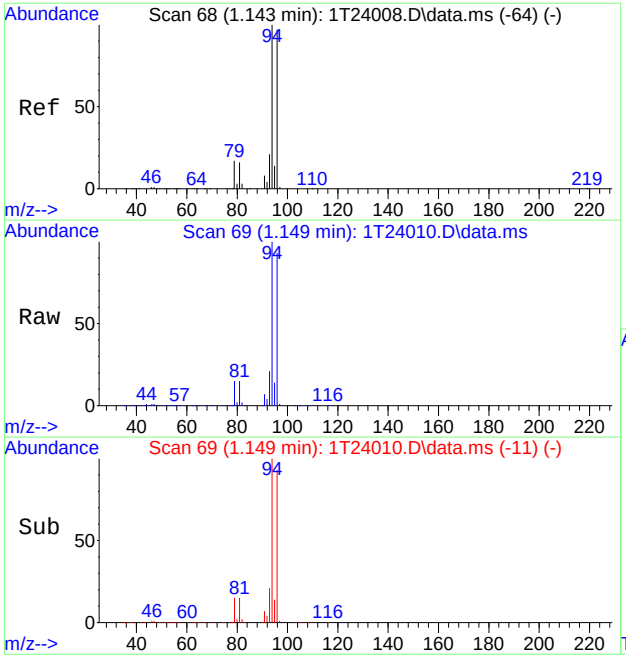


#10
1,3-butadiene
Concen: 92.99 ug/L
RT: 1.013 min Scan# 43
Delta R.T. 0.006 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 39 Resp: 354356

Ion	Ratio	Lower	Upper
39	100		
54	119.1	84.6	144.6
53	83.6	47.3	107.3

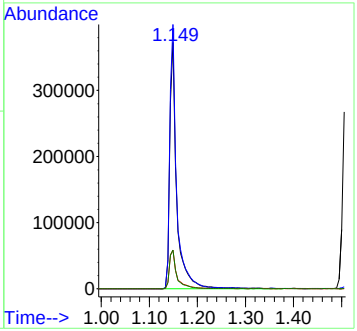


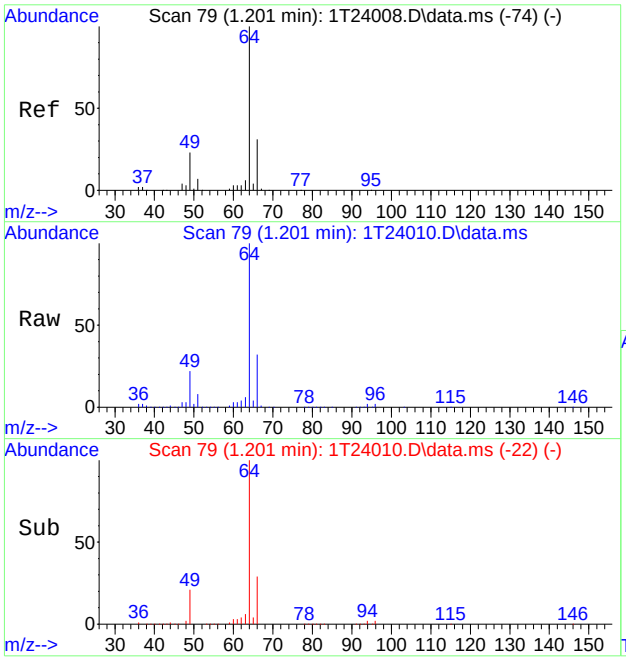


#11
bromomethane
Concen: 129.35 ug/L
RT: 1.149 min Scan# 69
Delta R.T. 0.006 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 96 Resp: 379939

Ion	Ratio	Lower	Upper
96	100		
94	107.3	73.2	133.2
79	15.7	17.3	17.3#
81	15.8	0.0	36.8

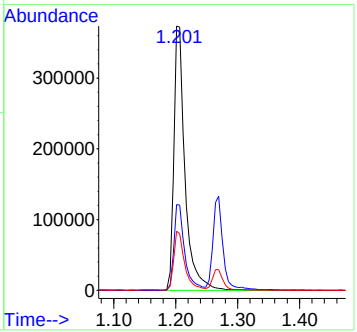


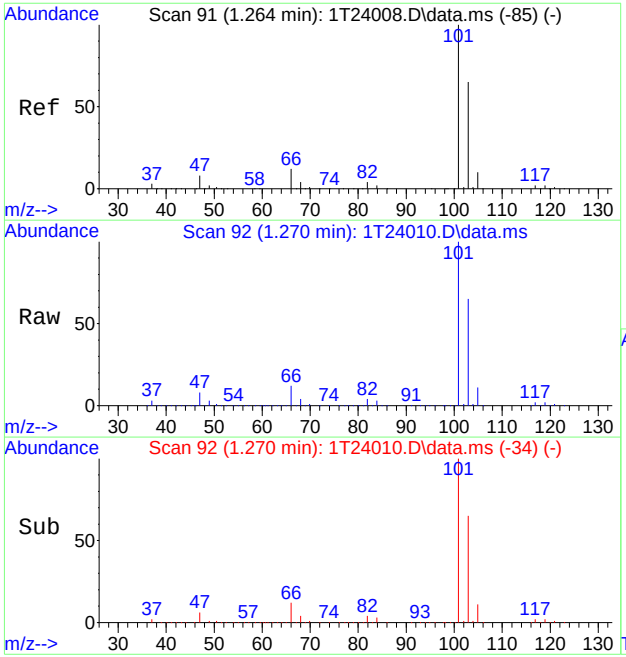


#12
chloroethane
Concen: 94.93 ug/L
RT: 1.201 min Scan# 79
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 64 Resp: 468339

Ion	Ratio	Lower	Upper
64	100		
66	32.4	0.9	60.9
49	22.3	0.0	52.7

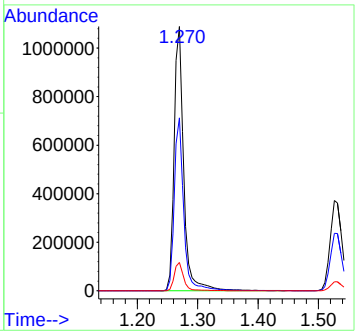


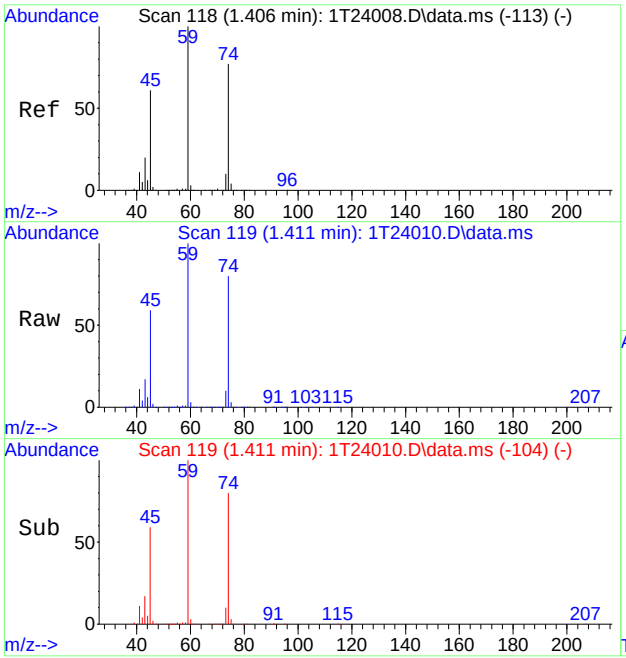


#13
trichlorofluoromethane
Concen: 99.30 ug/L
RT: 1.270 min Scan# 92
Delta R.T. 0.006 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion:101 Resp: 1198805

Ion	Ratio	Lower	Upper
101	100		
103	65.3	34.8	94.8
105	10.7	0.0	40.0

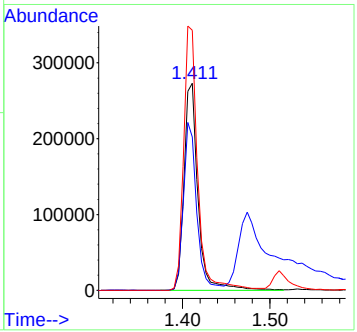


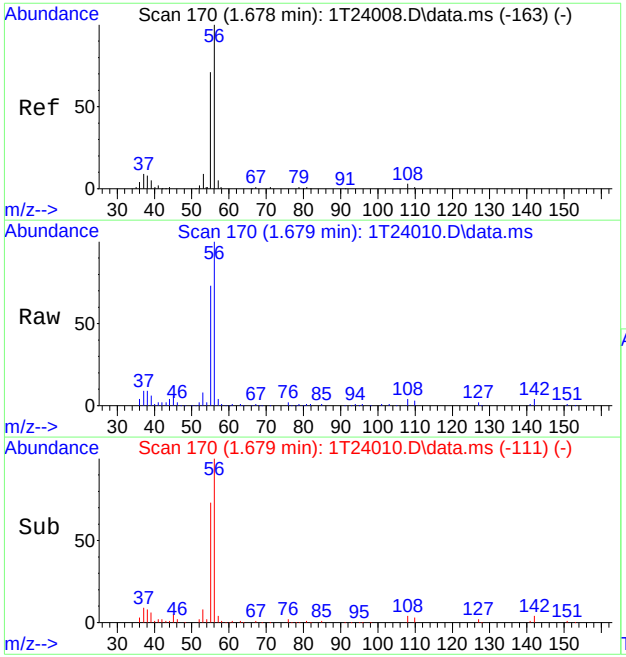


#14
ethyl ether
Concen: 110.14 ug/L
RT: 1.411 min Scan# 119
Delta R.T. 0.006 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 74 Resp: 305280

Ion	Ratio	Lower	Upper
74	100		
45	74.1	48.9	108.9
59	125.5	99.2	159.2

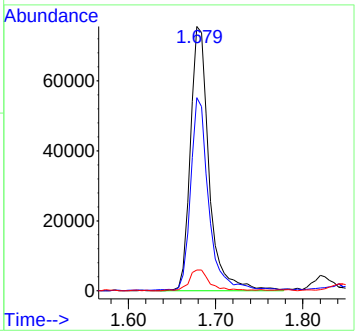


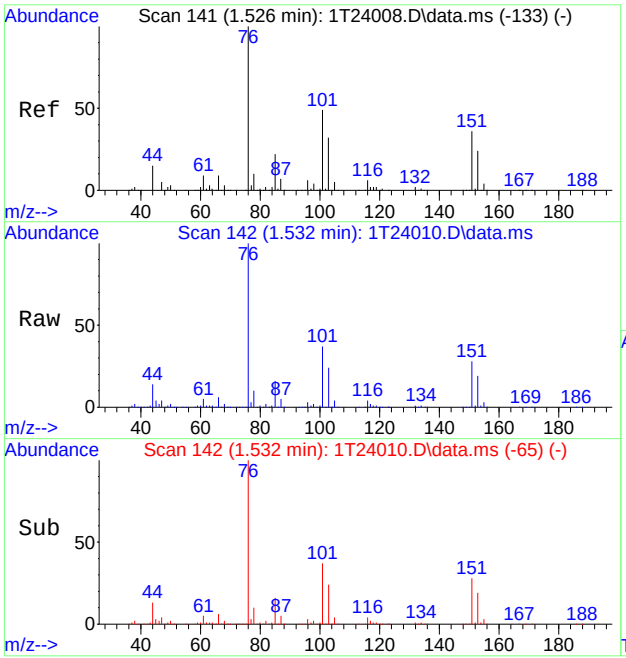


#15
acrolein
Concen: 106.87 ug/L
RT: 1.679 min Scan# 170
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 56 Resp: 112529

Ion	Ratio	Lower	Upper
56	100		
55	72.6	41.3	101.3
53	7.8	0.0	38.7

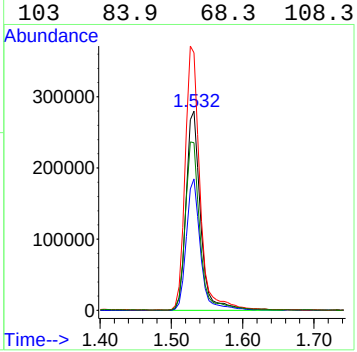


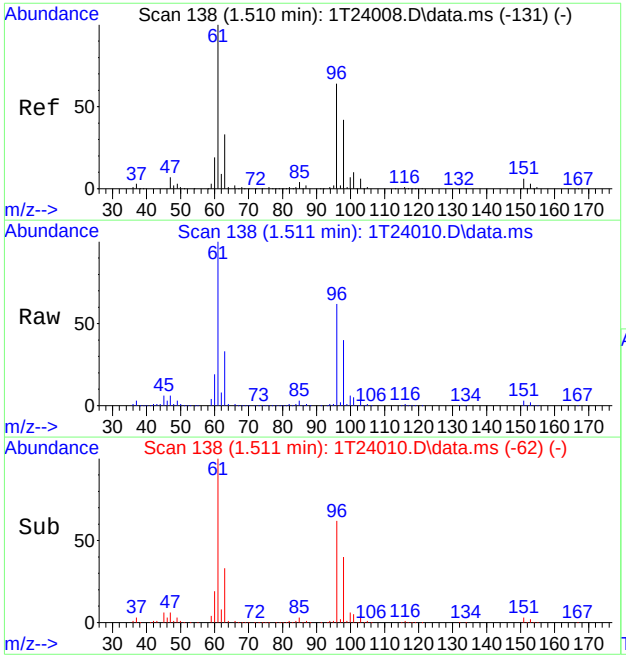


#16
freon 113
Concen: 105.04 ug/L
RT: 1.532 min Scan# 142
Delta R.T. 0.006 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion:151 Resp: 398461

Ion	Ratio	Lower	Upper
151	100		
153	66.0	46.1	86.1
101	129.0	116.7	156.7
103	83.9	68.3	108.3

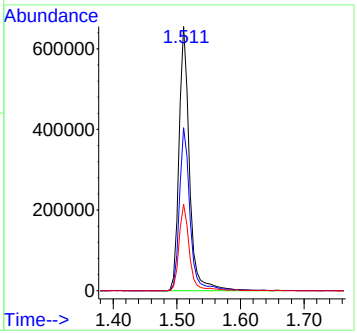


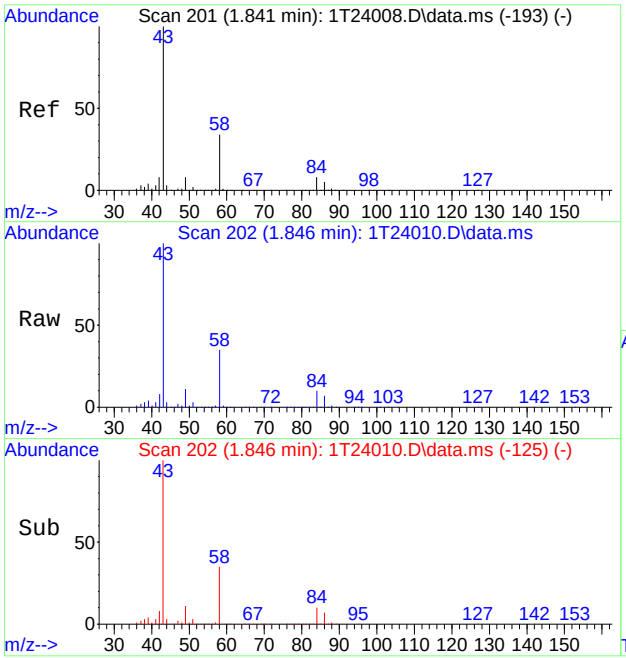


#17
1,1-dichloroethene
Concen: 94.46 ug/L
RT: 1.511 min Scan# 138
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 61 Resp: 745475

Ion	Ratio	Lower	Upper
61	100		
96	61.6	33.7	93.7
63	32.8	2.8	62.8

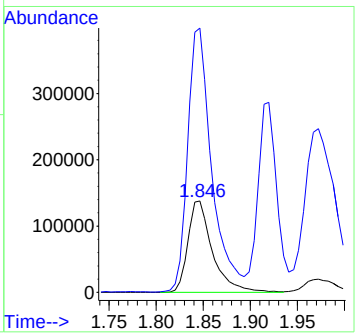


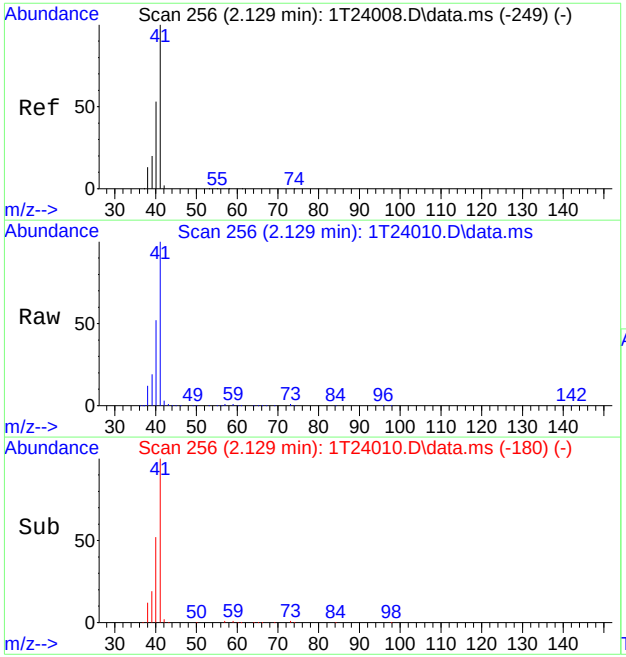


#18
acetone
Concen: 365.22 ug/L
RT: 1.846 min Scan# 202
Delta R.T. 0.006 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 58 Resp: 250332

Ion	Ratio	Lower	Upper
58	100		
43	288.4	263.8	323.8

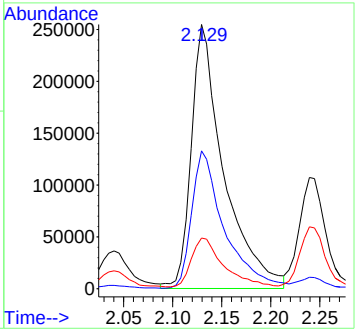


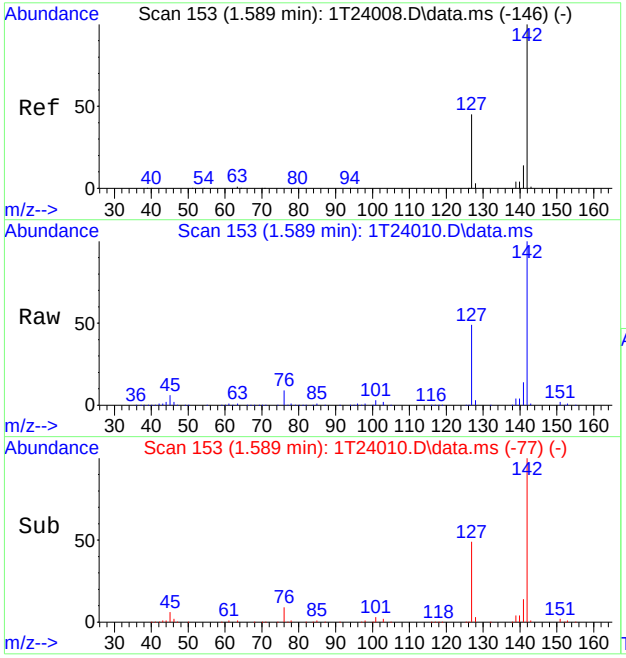


#19
acetonitrile
Concen: 927.48 ug/L
RT: 2.129 min Scan# 256
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 41 Resp: 587192

Ion	Ratio	Lower	Upper
41	100		
40	52.9	23.2	83.2
39	18.6	0.0	49.8

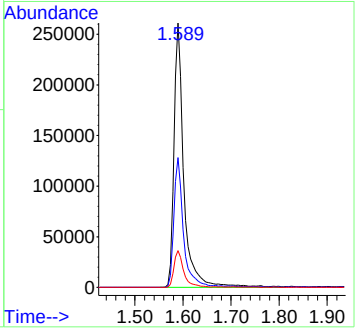


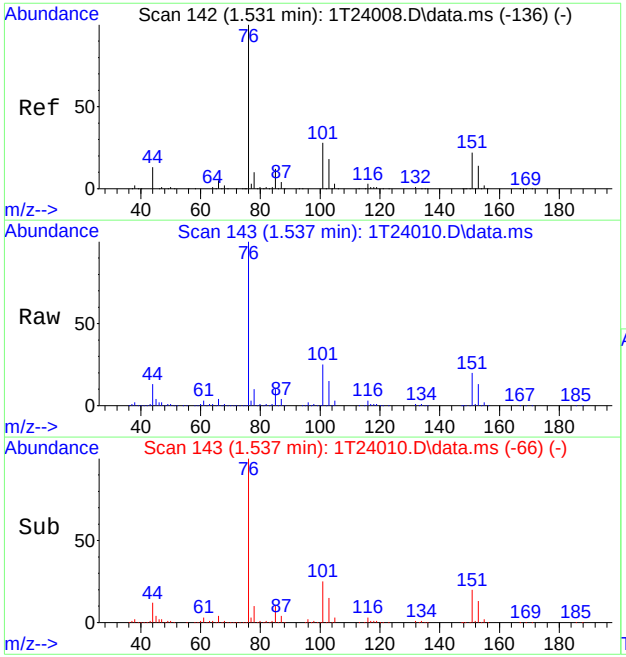


#20
iodomethane
Concen: 233.57 ug/L
RT: 1.589 min Scan# 153
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion:142 Resp: 372949

Ion	Ratio	Lower	Upper
142	100		
127	49.1	14.7	74.7
141	13.9	0.0	44.3

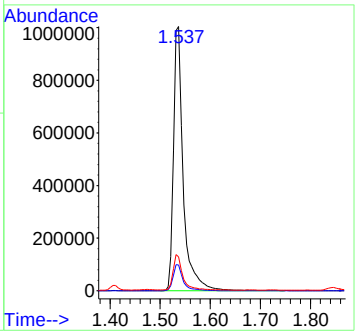


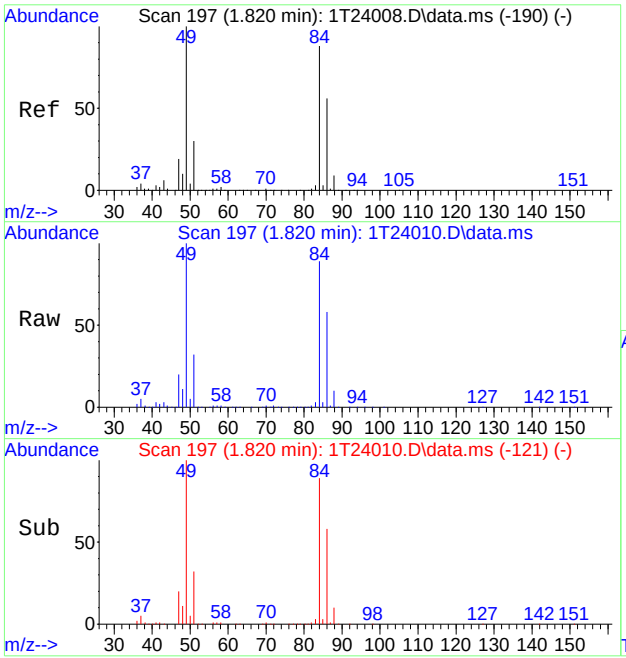


#21
carbon disulfide
Concen: 89.76 ug/L
RT: 1.537 min Scan# 143
Delta R.T. 0.006 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 76 Resp: 1365177

Ion	Ratio	Lower	Upper
76	100		
78	9.8	0.0	40.0
44	12.7	0.0	43.4

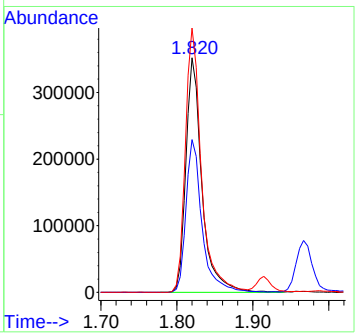


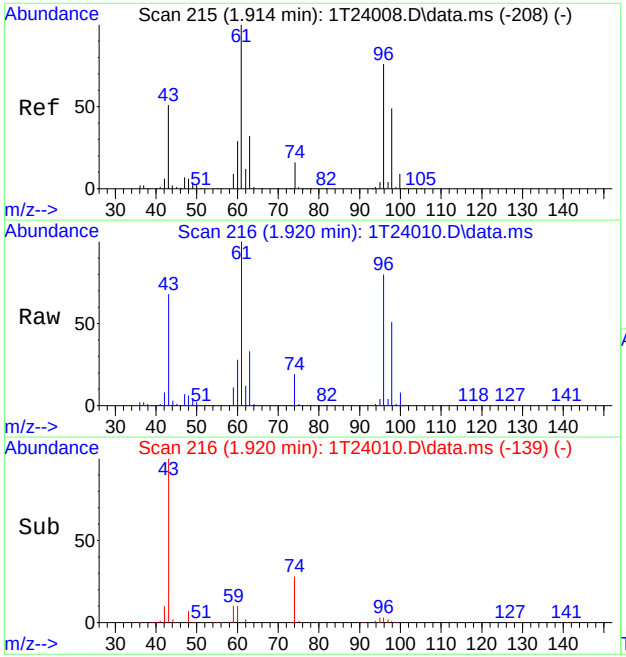


#22
methylene chloride
Concen: 89.37 ug/L
RT: 1.820 min Scan# 197
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 84 Resp: 517519

Ion	Ratio	Lower	Upper
84	100		
86	65.0	34.2	94.2
49	112.7	84.0	144.0

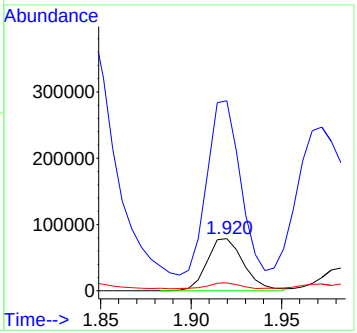


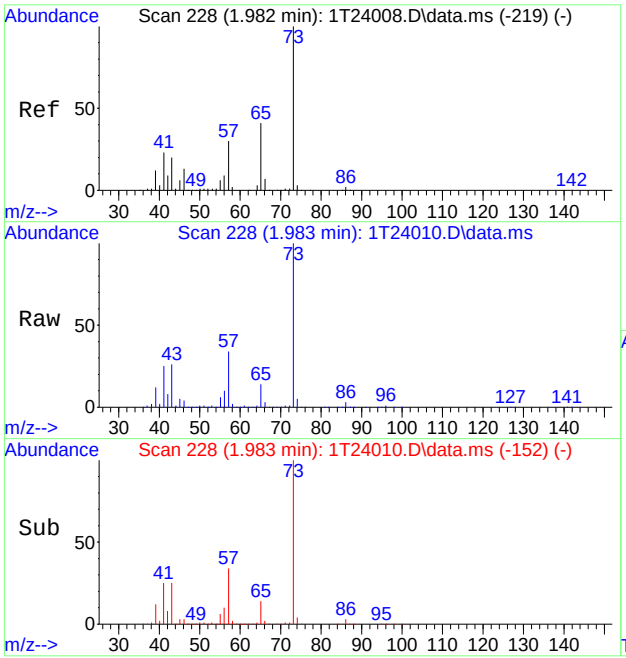


#23
methyl acetate
Concen: 106.07 ug/L
RT: 1.920 min Scan# 216
Delta R.T. 0.006 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 74 Resp: 110742

Ion	Ratio	Lower	Upper
74	100		
43	318.0	282.8	342.8
44	10.3	0.0	42.2

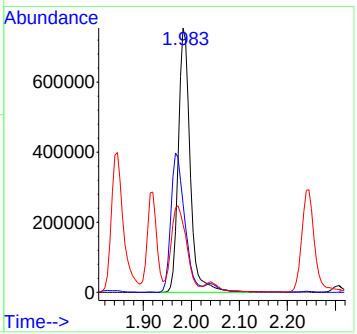


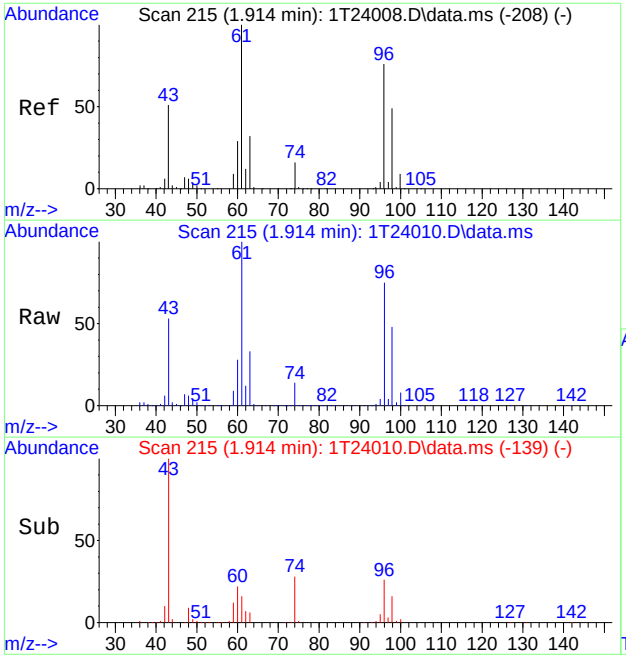


#24
methyl tert butyl ether
Concen: 138.55 ug/L
RT: 1.983 min Scan# 228
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 73 Resp: 1300508

Ion	Ratio	Lower	Upper
73	100		
57	33.5	0.0	60.0
43	25.5	0.0	55.7

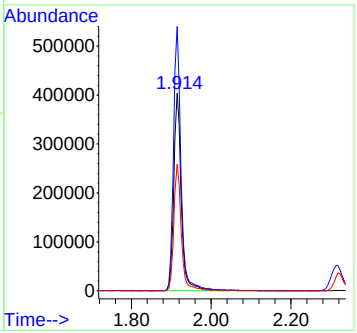


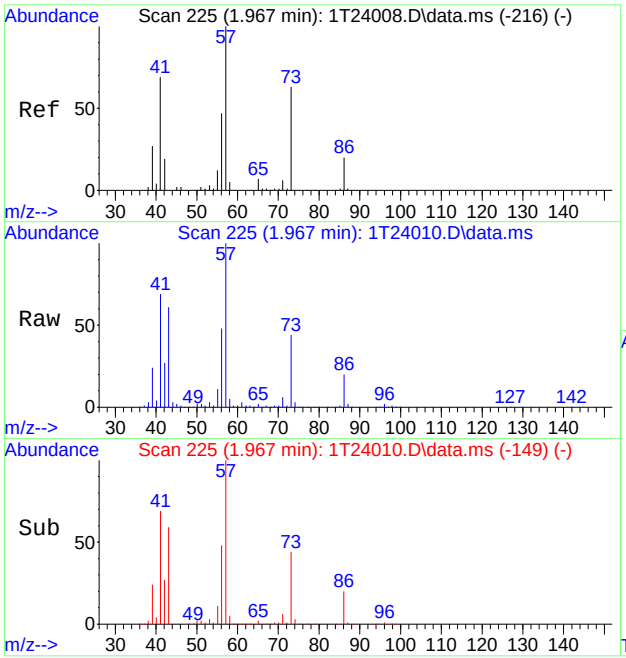


#25
trans-1,2-dichloroethene
Concen: 101.14 ug/L
RT: 1.914 min Scan# 215
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 96 Resp: 536203

Ion	Ratio	Lower	Upper
96	100		
61	133.8	101.0	161.0
98	64.1	34.5	94.5

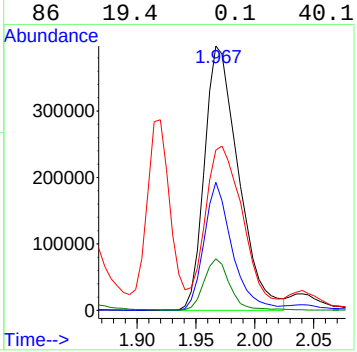


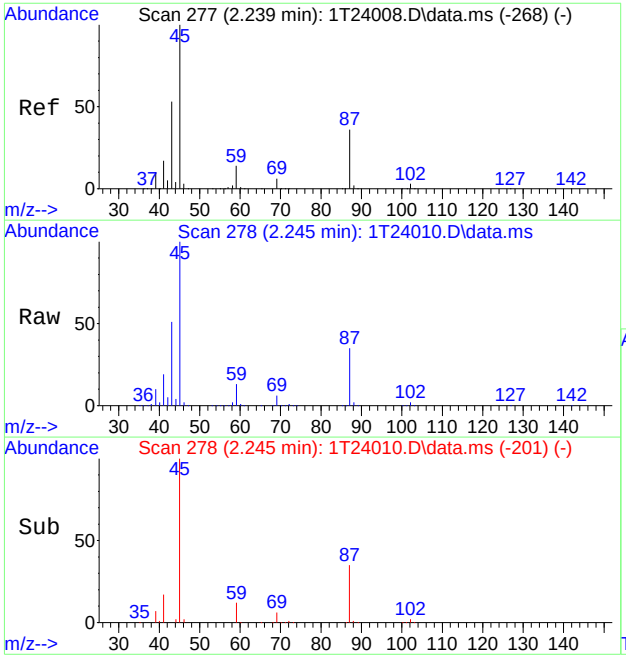


#26
hexane
Concen: 125.11 ug/L
RT: 1.967 min Scan# 225
Delta R.T. -0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 57 Resp: 800730

Ion	Ratio	Lower	Upper
57	100		
56	48.3	27.2	67.2
43	56.2	37.1	77.1
86	19.4	0.1	40.1

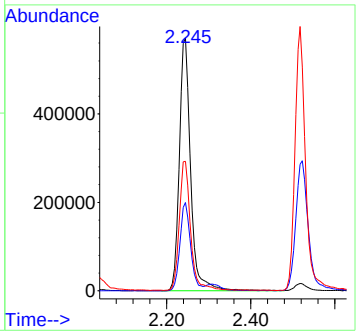


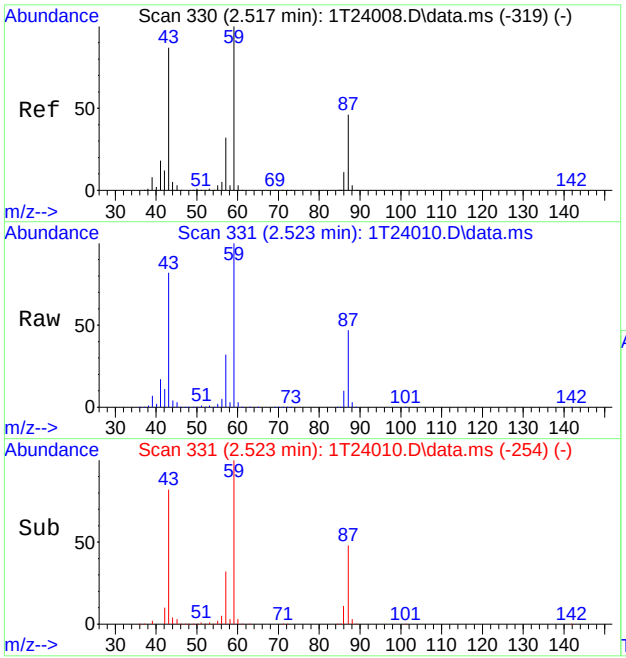


#27
di-isopropyl ether
Concen: 127.93 ug/L
RT: 2.245 min Scan# 278
Delta R.T. 0.006 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 45 Resp: 1069010

Ion	Ratio	Lower	Upper
45	100		
87	35.0	6.3	66.3
43	51.0	23.0	83.0

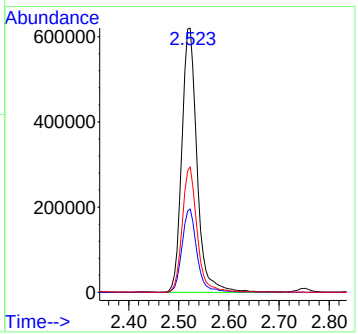


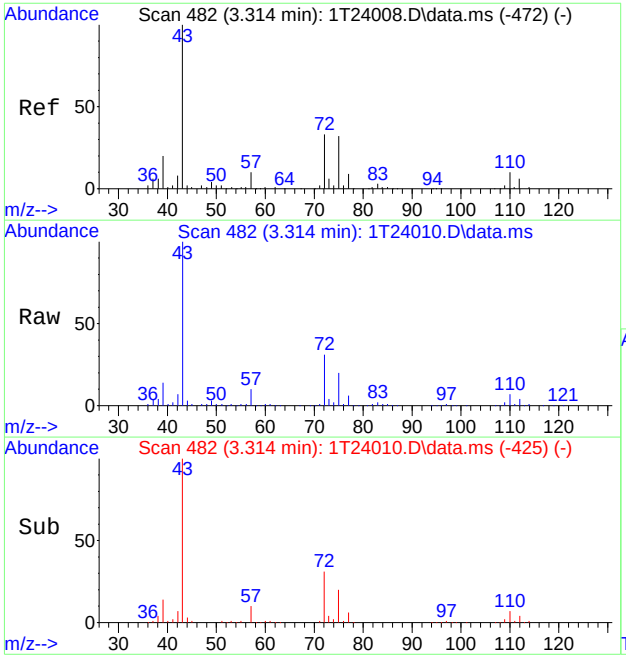


#28
ethyl tert-butyl ether
Concen: 142.47 ug/L
RT: 2.523 min Scan# 331
Delta R.T. 0.006 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 59 Resp: 1311037

Ion	Ratio	Lower	Upper
59	100		
57	31.6	2.1	62.1
87	47.4	15.5	75.5

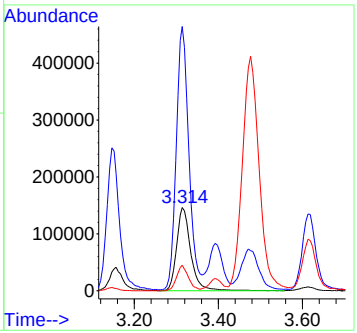


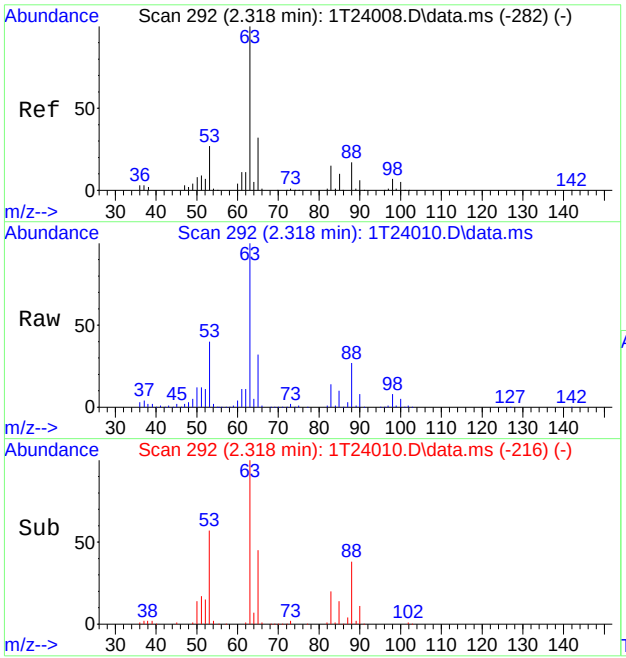


#29
2-butanone
Concen: 597.67 ug/L
RT: 3.314 min Scan# 482
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 72 Resp: 339401

Ion	Ratio	Lower	Upper
72	100		
43	317.0	273.9	333.9
57	30.8	0.0	58.9

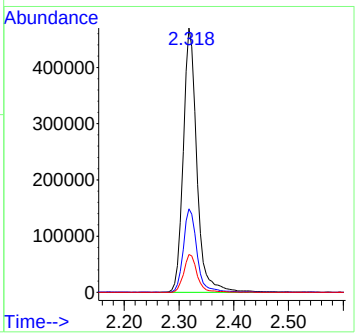


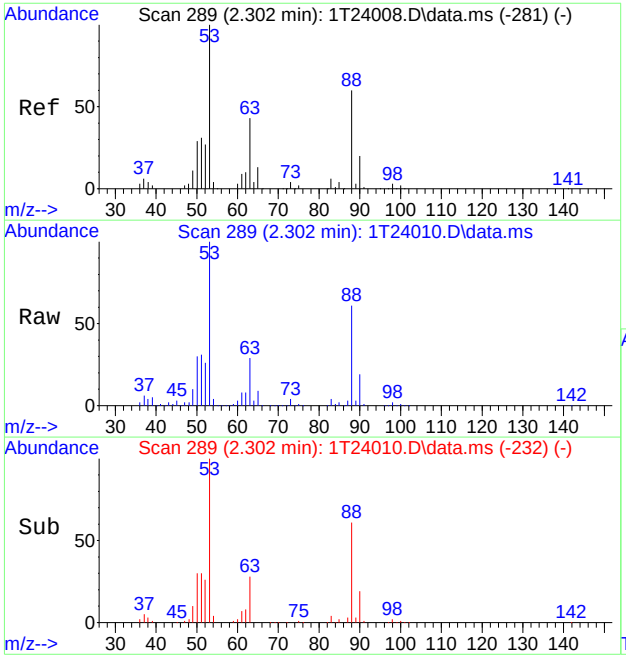


#30
1,1-dichloroethane
Concen: 102.86 ug/L
RT: 2.318 min Scan# 292
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 63 Resp: 813189

Ion	Ratio	Lower	Upper
63	100		
65	31.6	2.0	62.0
83	14.3	0.0	45.2

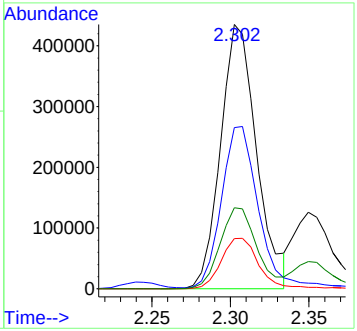


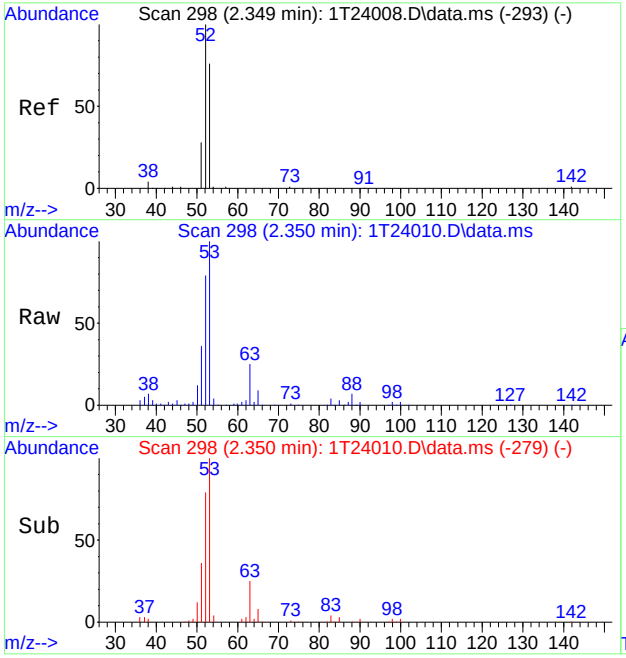


#31
chloroprene
Concen: 131.18 ug/L
RT: 2.302 min Scan# 289
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 53 Resp: 695502

Ion	Ratio	Lower	Upper
53	100		
88	59.7	29.5	89.5
90	19.0	0.0	49.7
51	30.6	0.7	60.7

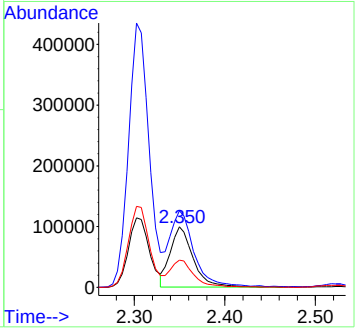


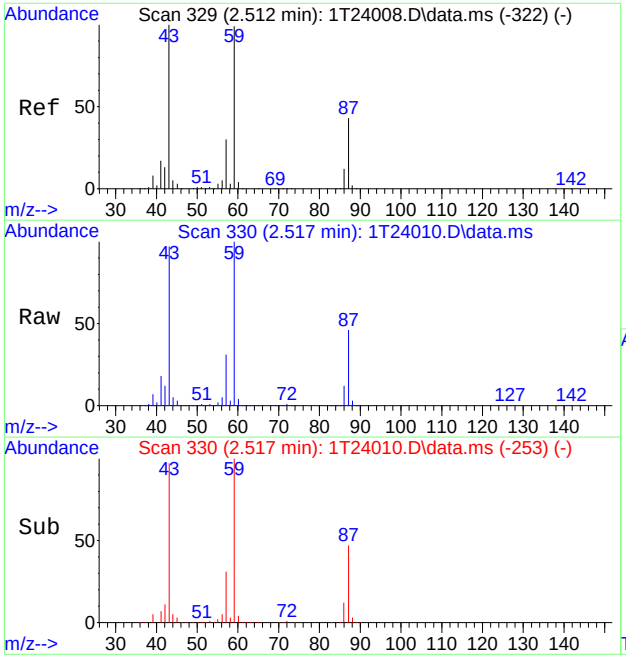


#32
acrylonitrile
Concen: 115.46 ug/L
RT: 2.350 min Scan# 298
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 52 Resp: 176034

Ion	Ratio	Lower	Upper
52	100		
53	125.3	96.8	156.8
51	45.0	14.4	74.4

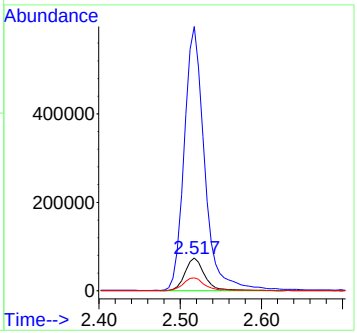


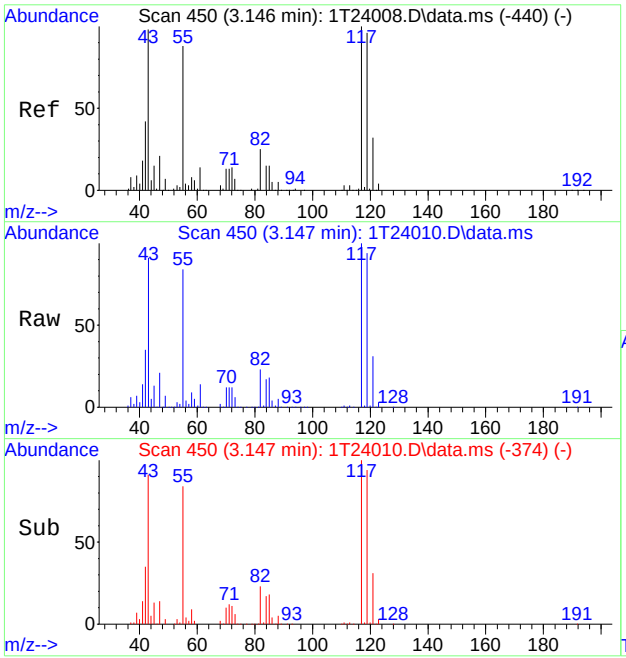


#33
vinyl acetate
Concen: 153.79 ug/L
RT: 2.517 min Scan# 330
Delta R.T. 0.006 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 86 Resp: 126054

Ion	Ratio	Lower	Upper
86	100		
43	804.5	805.6	865.6#
44	38.4	9.2	69.2

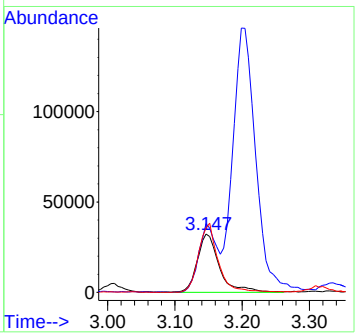


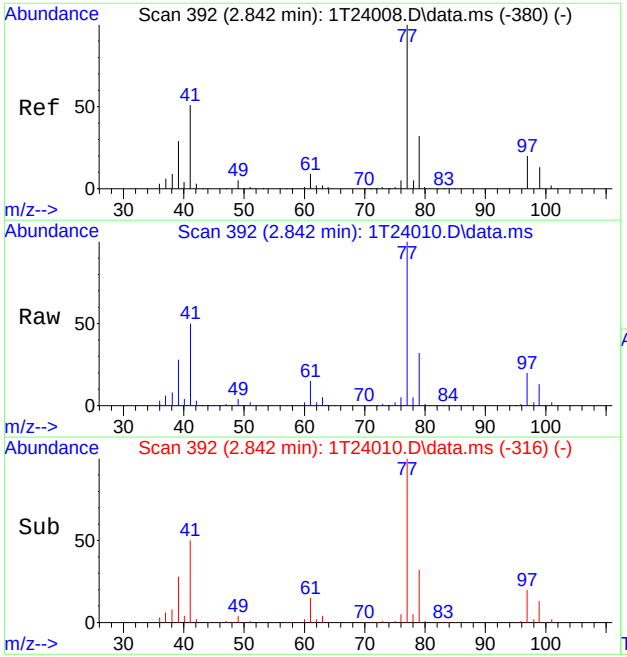


#34
ethyl acetate
Concen: 141.24 ug/L
RT: 3.147 min Scan# 450
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 70 Resp: 74233

Ion	Ratio	Lower	Upper
70	100		
61	116.5	81.1	141.1
45	109.9	86.0	146.0

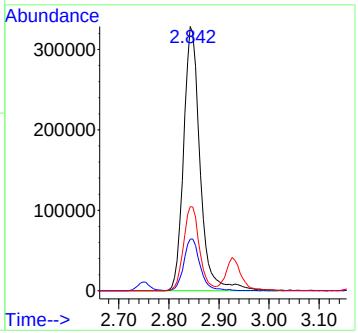


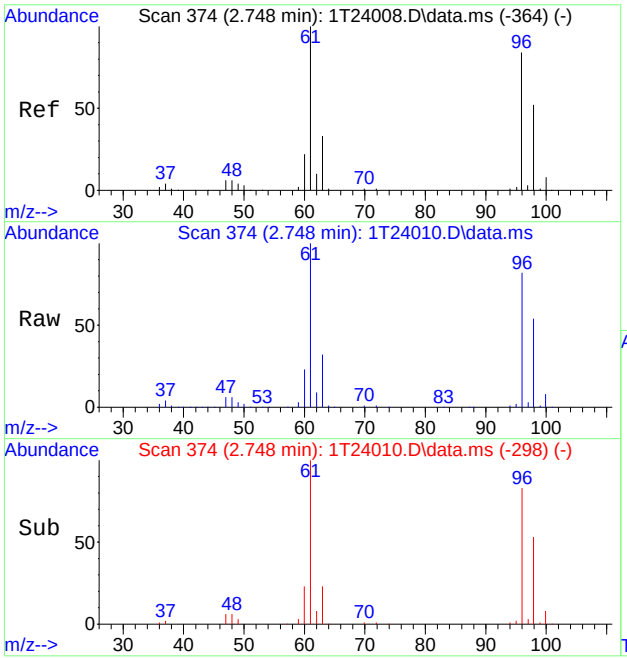


#35
2,2-dichloropropane
Concen: 120.44 ug/L
RT: 2.842 min Scan# 392
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 77 Resp: 754395

Ion	Ratio	Lower	Upper
77	100		
97	19.6	0.0	50.0
79	31.8	2.2	62.2

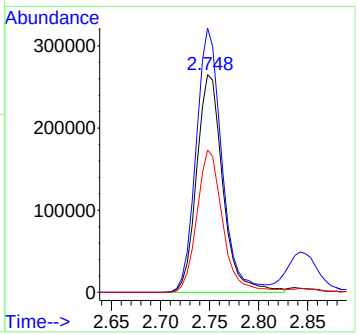


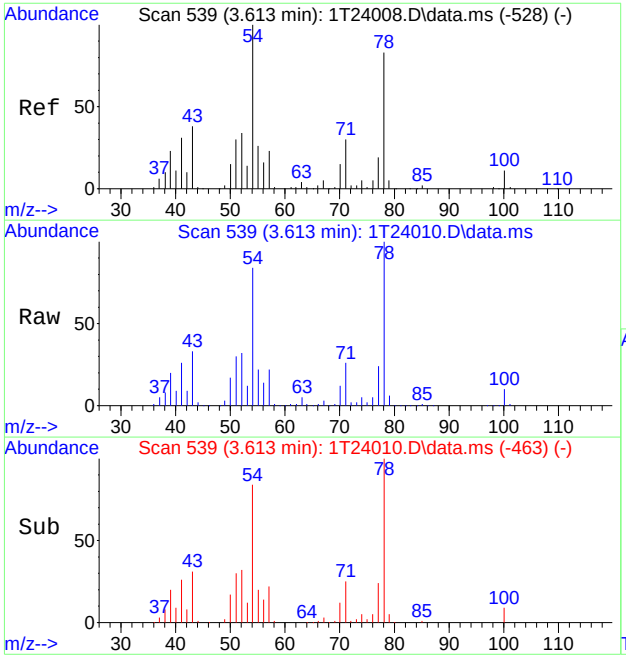


#36
cis-1,2-dichloroethene
Concen: 107.60 ug/L
RT: 2.748 min Scan# 374
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 96 Resp: 493469

Ion	Ratio	Lower	Upper
96	100		
61	121.5	89.4	149.4
98	65.4	32.0	92.0

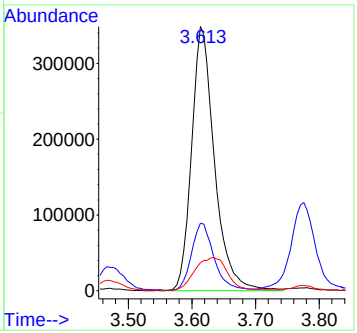


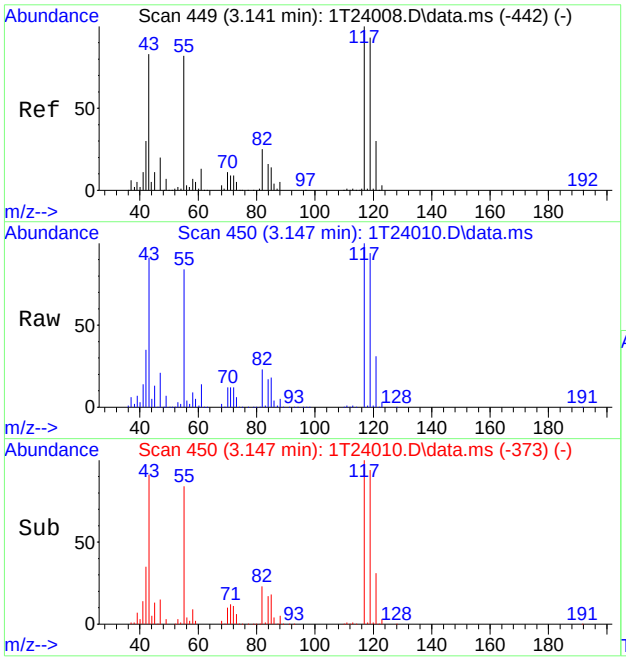


#37
propionitrile
Concen: 1053.86 ug/L
RT: 3.613 min Scan# 539
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 54 Resp: 874576

Ion	Ratio	Lower	Upper
54	100		
55	25.1	0.0	55.9
40	10.4	0.0	41.2

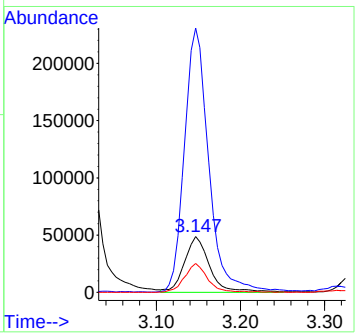


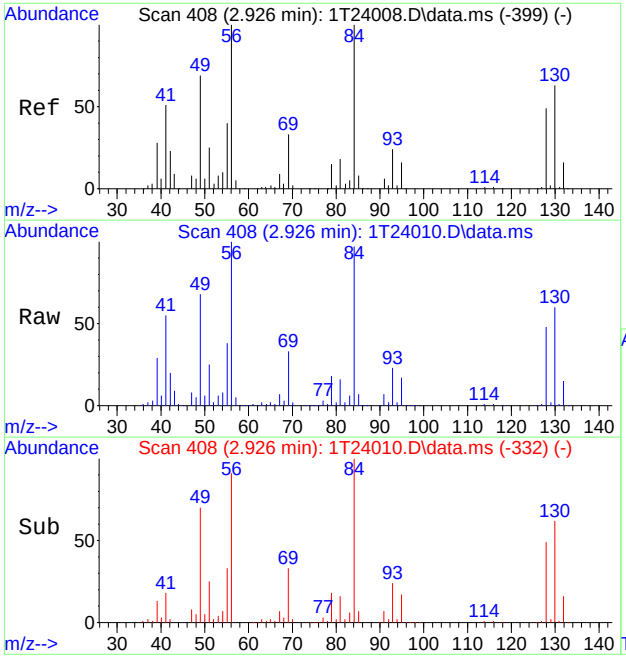


#38
methyl acrylate
Concen: 146.51 ug/L
RT: 3.147 min Scan# 450
Delta R.T. 0.006 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 85 Resp: 102072

Ion	Ratio	Lower	Upper
85	100		
55	475.2	512.8	552.8#
58	51.7	28.3	68.3

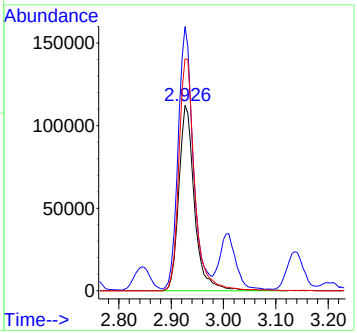


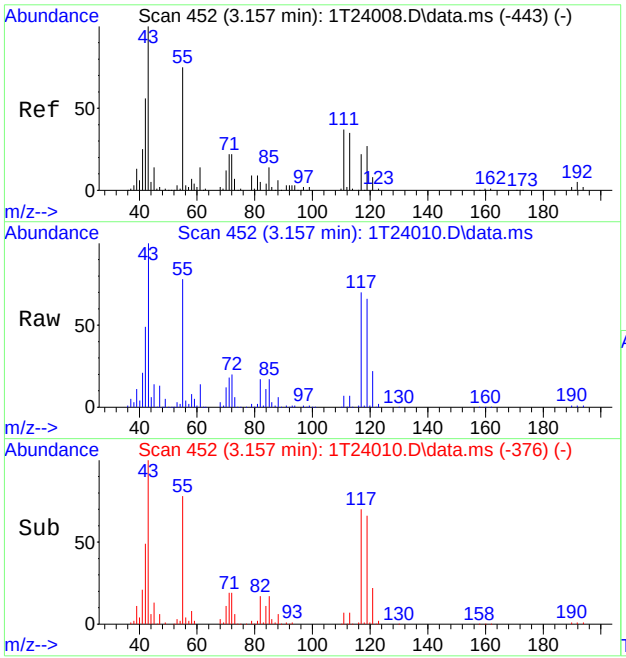


#39
bromochloromethane
Concen: 98.14 ug/L
RT: 2.926 min Scan# 408
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion:128 Resp: 233879

Ion	Ratio	Lower	Upper
128	100		
49	141.4	110.2	170.2
130	125.2	98.0	158.0

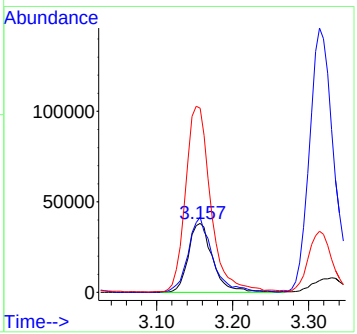


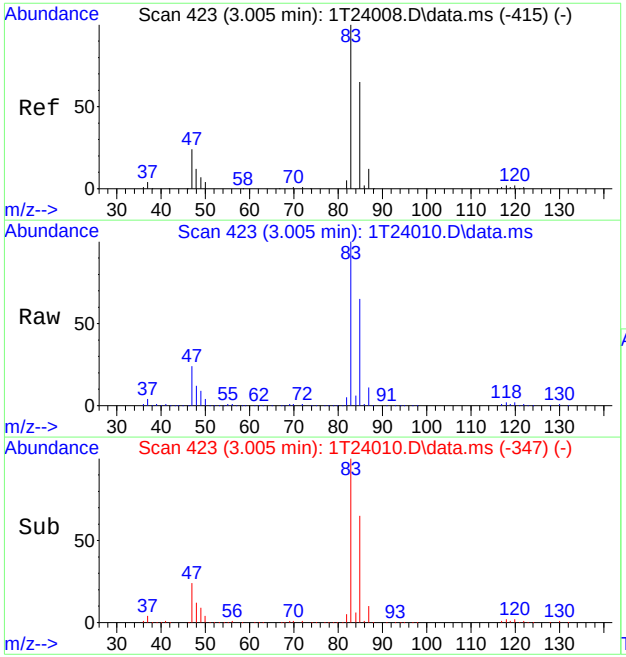


#40
tetrahydrofuran
Concen: 135.33 ug/L
RT: 3.157 min Scan# 452
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 71 Resp: 84885

Ion	Ratio	Lower	Upper
71	100		
72	108.3	71.2	131.2
42	265.3	227.1	287.1

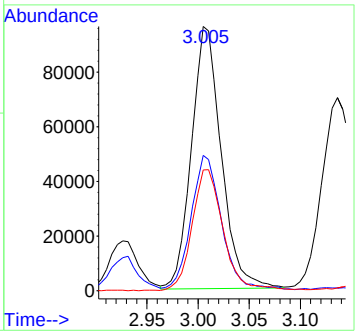


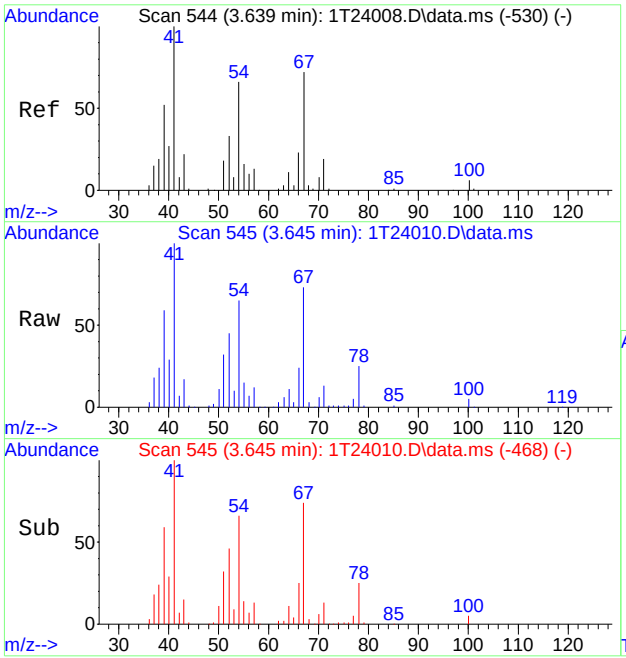


#41
chloroform
Concen: 86.41 ug/L
RT: 3.005 min Scan# 423
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 47 Resp: 194964

Ion	Ratio	Lower	Upper
47	100		
48	51.1	19.2	79.2
87	46.2	18.5	78.5

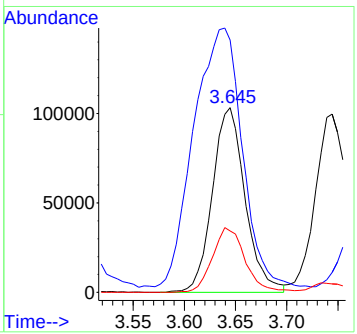


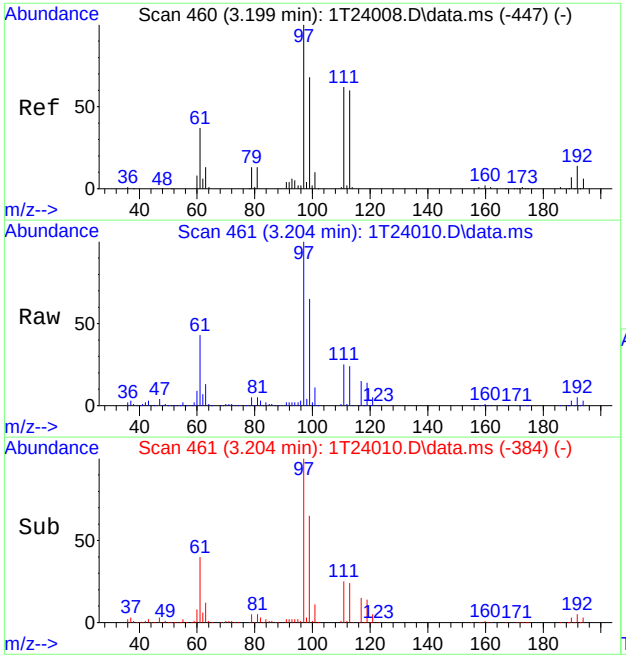


#43
methacrylonitrile
Concen: 132.79 ug/L
RT: 3.645 min Scan# 545
Delta R.T. 0.006 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 67 Resp: 229793

Ion	Ratio	Lower	Upper
67	100		
41	132.2	109.1	169.1
66	33.3	2.0	62.0

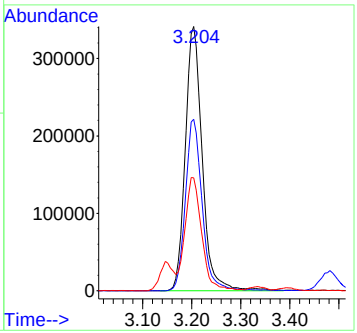


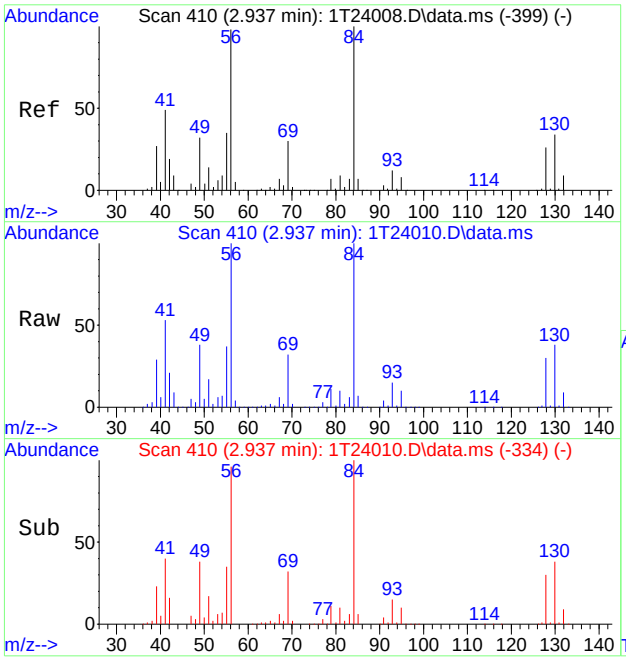


#44
1,1,1-trichloroethane
Concen: 115.49 ug/L
RT: 3.204 min Scan# 461
Delta R.T. 0.006 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 97 Resp: 821662

Ion	Ratio	Lower	Upper
97	100		
99	64.9	38.0	98.0
61	41.8	11.6	71.6

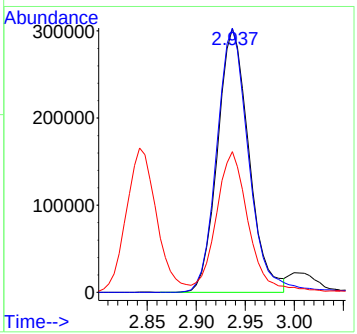


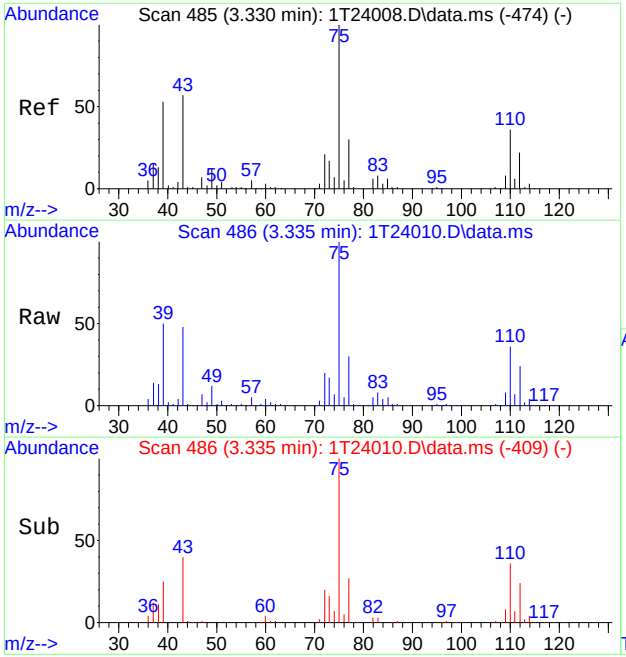


#45
cyclohexane
Concen: 133.22 ug/L
RT: 2.937 min Scan# 410
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 84 Resp: 673071

Ion	Ratio	Lower	Upper
84	100		
56	100.3	78.4	118.4
41	51.0	30.2	70.2

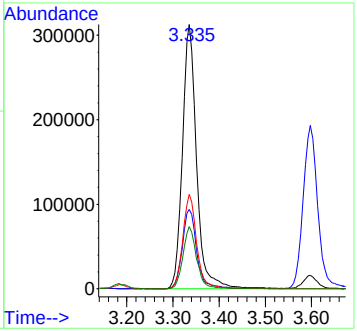


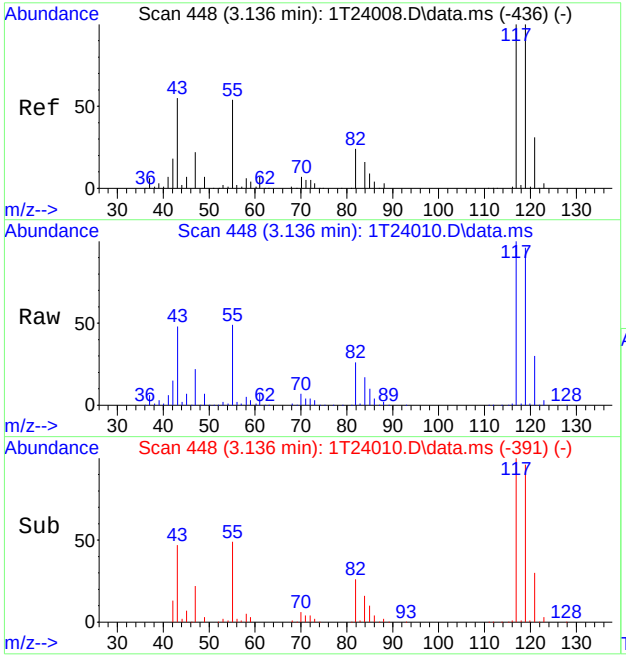


#46
1,1-dichloropropene
Concen: 140.56 ug/L
RT: 3.335 min Scan# 486
Delta R.T. 0.006 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 75 Resp: 667381

Ion	Ratio	Lower	Upper
75	100		
77	30.0	9.7	49.7
110	35.8	15.7	55.7
112	23.5	2.4	42.4

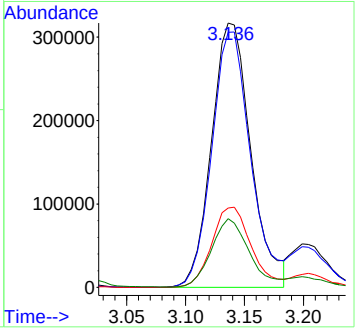


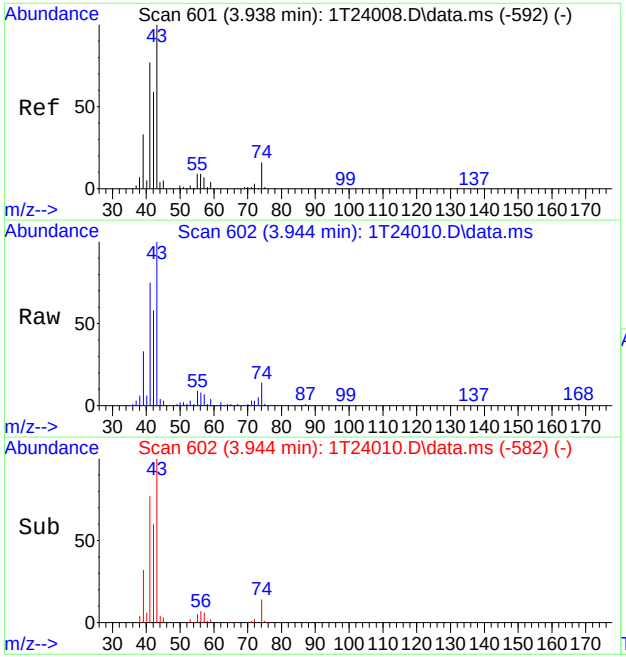


#47
carbon tetrachloride
Concen: 118.26 ug/L
RT: 3.136 min Scan# 448
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion:117 Resp: 736805

Ion	Ratio	Lower	Upper
117	100		
119	96.4	80.5	120.5
121	30.0	11.1	51.1
82	25.8	4.2	44.2

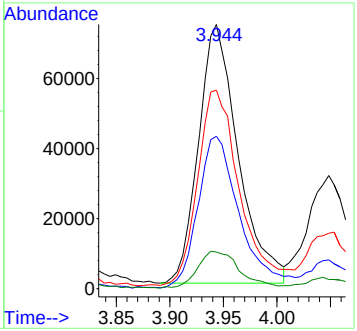


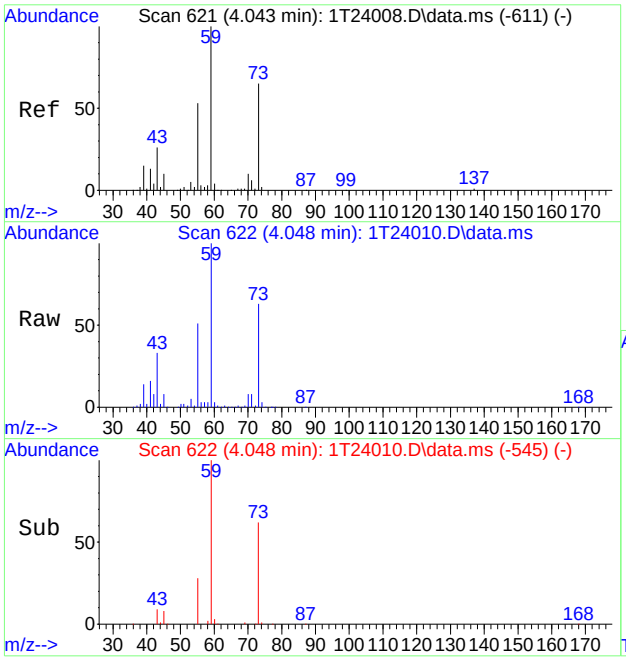


#48
isobutyl alcohol
Concen: 1137.02 ug/L
RT: 3.944 min Scan# 602
Delta R.T. 0.006 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 43 Resp: 190761

Ion	Ratio	Lower	Upper
43	100		
42	58.6	39.1	79.1
41	75.5	57.3	97.3
74	14.0	0.0	35.9

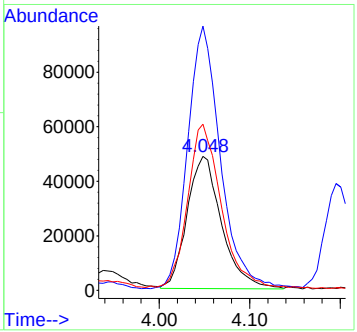


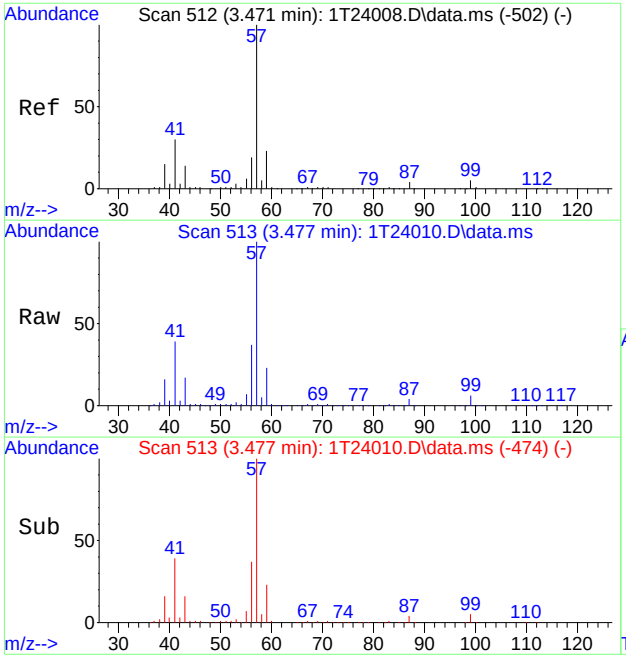


#49
tert-amyl alcohol
Concen: 561.44 ug/L
RT: 4.048 min Scan# 622
Delta R.T. 0.006 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 55 Resp: 128448

Ion	Ratio	Lower	Upper
55	100		
59	197.5	167.3	207.3
73	122.5	102.0	142.0

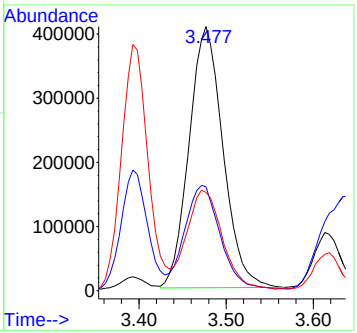


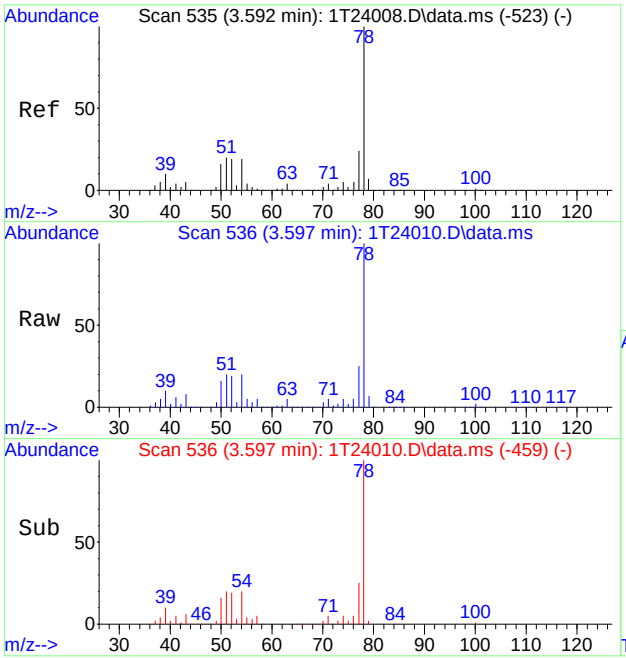


#52
iso-octane
Concen: 126.46 ug/L
RT: 3.477 min Scan# 513
Delta R.T. 0.006 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 57 Resp: 1101216

Ion	Ratio	Lower	Upper
57	100		
41	39.0	17.8	57.8
56	37.0	15.2	55.2

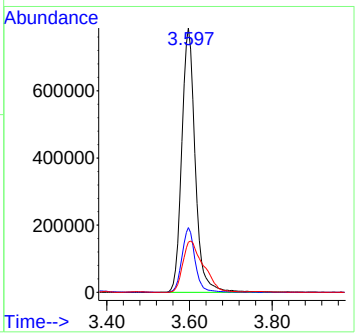


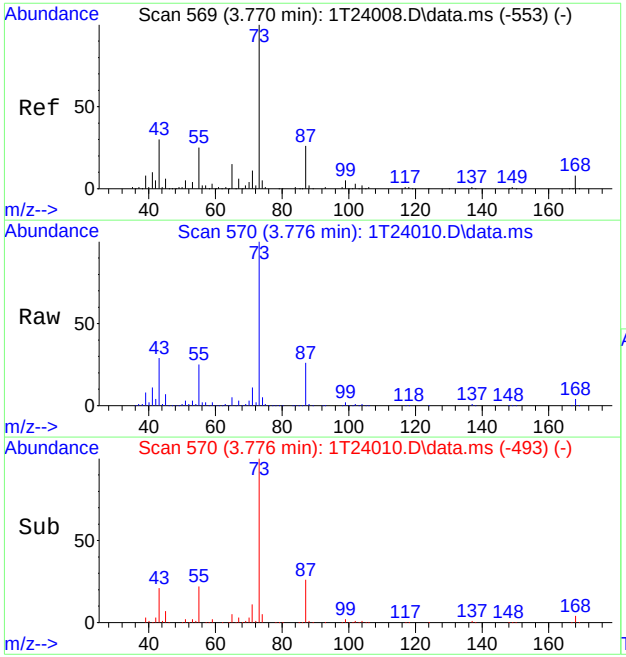


#53
benzene
Concen: 114.16 ug/L
RT: 3.597 min Scan# 536
Delta R.T. 0.006 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 78 Resp: 1783716

Ion	Ratio	Lower	Upper
78	100		
77	24.5	0.0	54.3
52	18.9	0.0	48.8

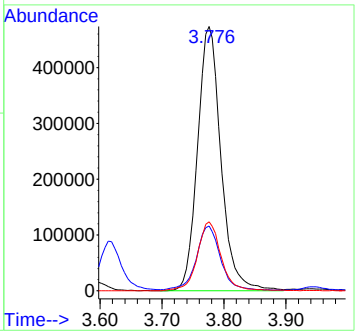


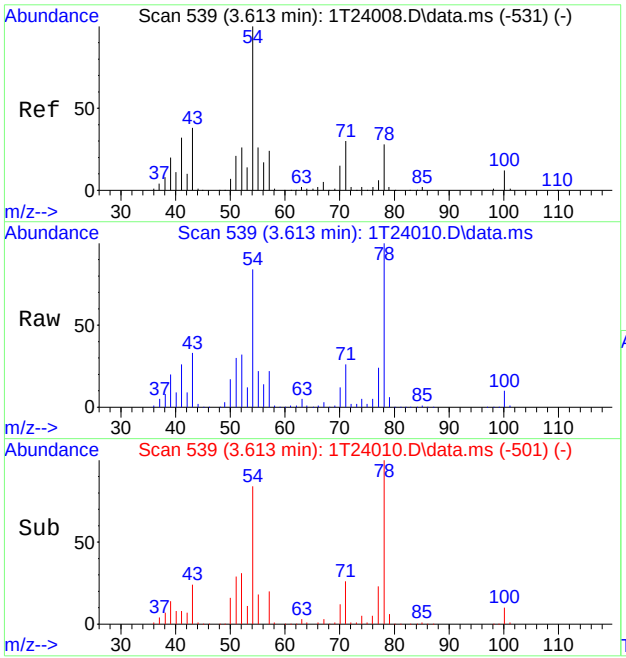


#54
tert-amyl methyl ether
Concen: 124.55 ug/L
RT: 3.776 min Scan# 570
Delta R.T. 0.006 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 73 Resp: 1244985

Ion	Ratio	Lower	Upper
73	100		
55	24.3	5.6	45.6
87	26.1	6.1	46.1

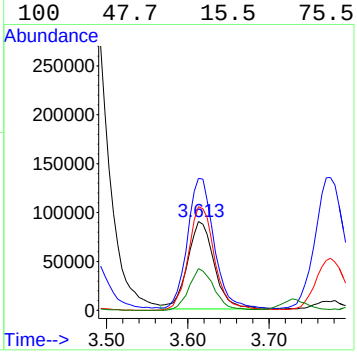


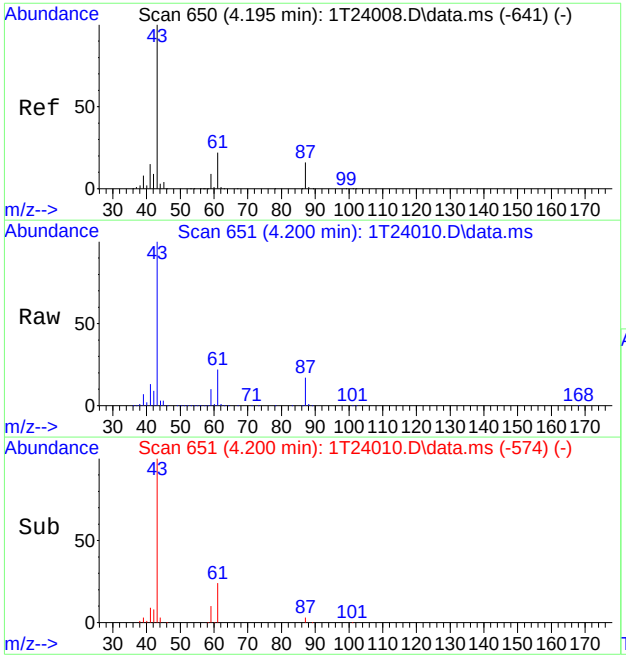


#55
heptane
Concen: 119.76 ug/L
RT: 3.613 min Scan# 539
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 57 Resp: 205691

Ion	Ratio	Lower	Upper
57	100		
43	148.3	120.9	180.9
71	118.2	89.7	149.7
100	47.7	15.5	75.5

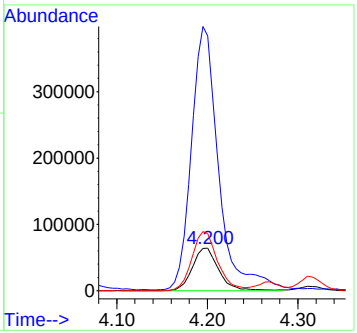


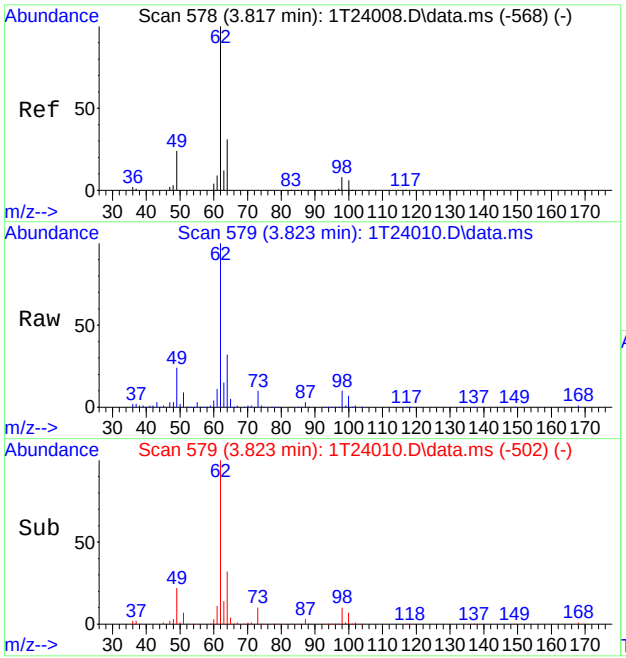


#56
isopropyl acetate
Concen: 138.45 ug/L
RT: 4.200 min Scan# 651
Delta R.T. 0.006 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 87 Resp: 131236

Ion	Ratio	Lower	Upper
87	100		
43	593.4	606.7	666.7#
61	133.7	109.0	169.0

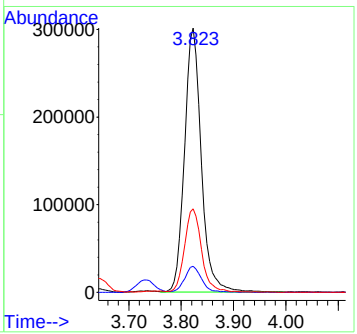


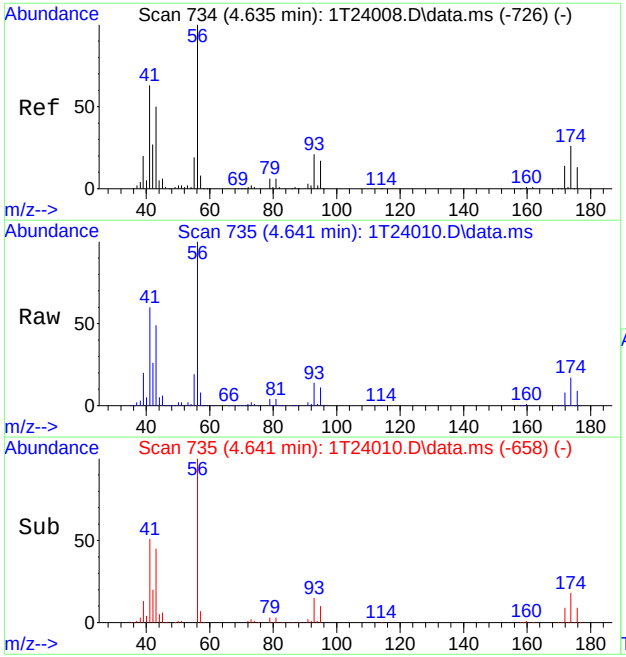


#57
1,2-dichloroethane
Concen: 95.14 ug/L
RT: 3.823 min Scan# 579
Delta R.T. 0.006 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 62 Resp: 671384

Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	39.3
64	31.6	1.8	61.8

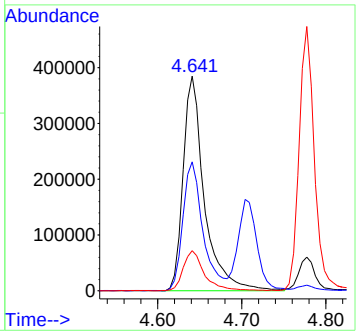


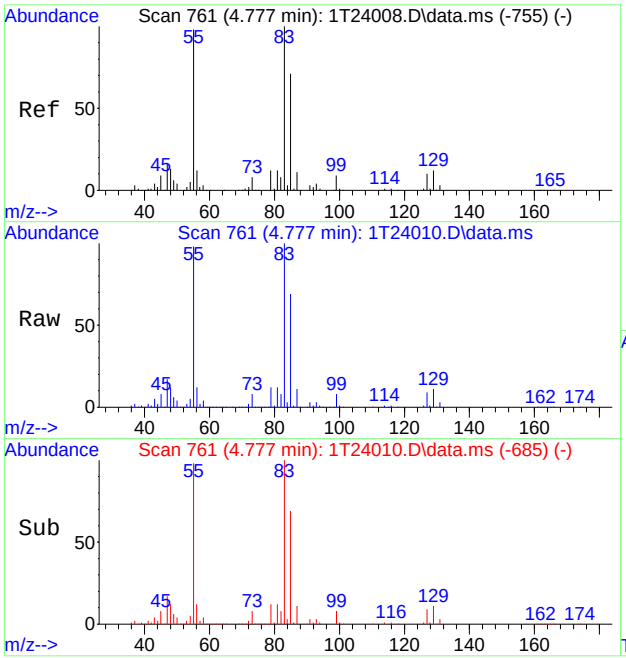


#58
n-butyl alcohol
Concen: 5088.13 ug/L
RT: 4.641 min Scan# 735
Delta R.T. 0.006 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 56 Resp: 674491

Ion	Ratio	Lower	Upper
56	100		
41	60.0	42.6	82.6
55	18.6	0.0	38.9

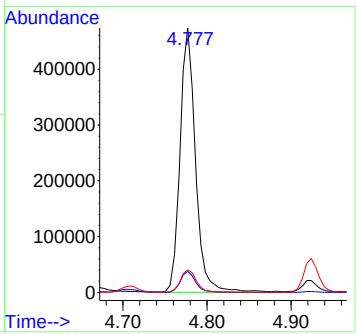


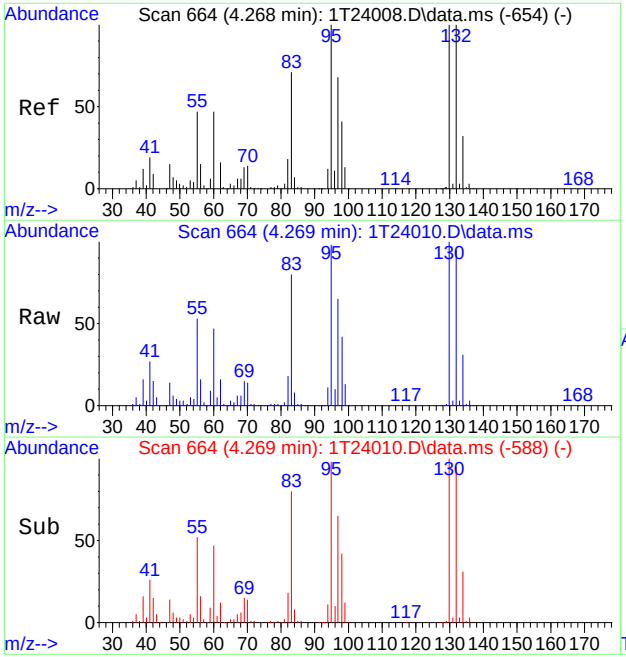


#59
ethyl acrylate
Concen: 129.34 ug/L
RT: 4.777 min Scan# 761
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 55 Resp: 606042

Ion	Ratio	Lower	Upper
55	100		
73	7.9	0.0	37.8
99	8.5	0.0	39.3

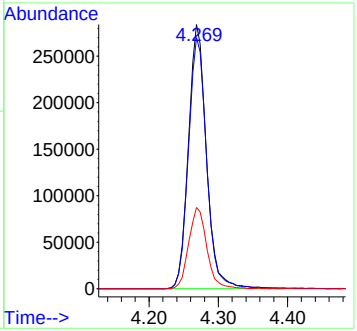


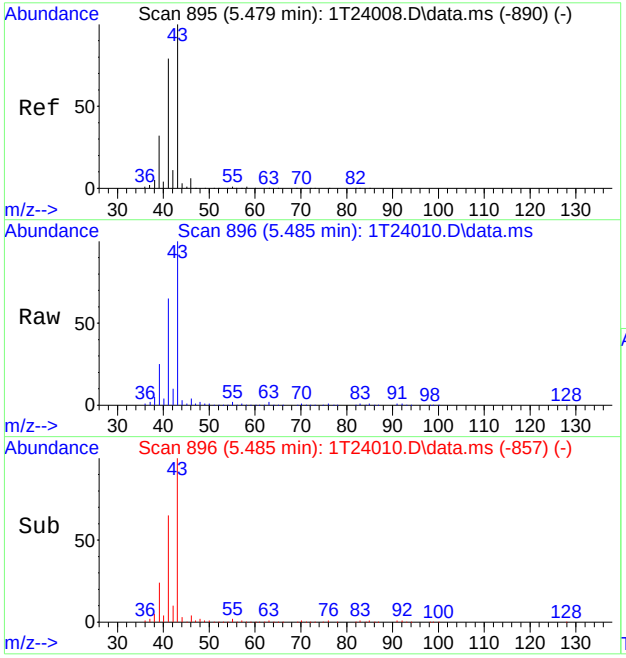


#60
trichloroethene
Concen: 124.60 ug/L
RT: 4.269 min Scan# 664
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion:130 Resp: 513572

Ion	Ratio	Lower	Upper
130	100		
132	95.0	69.8	129.8
134	30.8	2.3	62.3

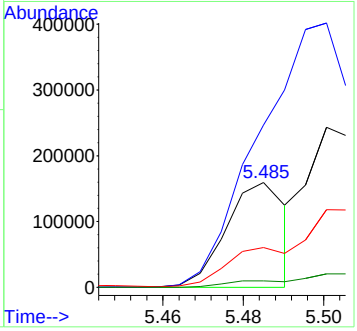


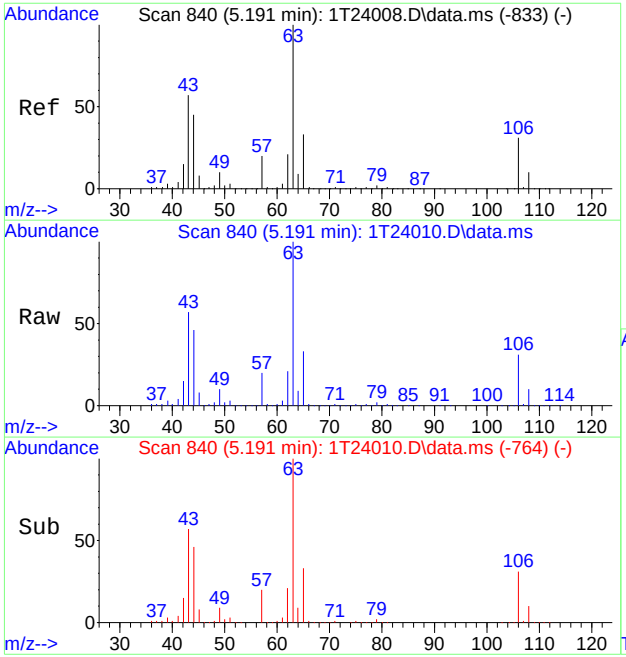


#61
2-nitropropane
Concen: 116.59 ug/L m
RT: 5.485 min Scan# 896
Delta R.T. 0.006 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 41 Resp: 165508

Ion	Ratio	Lower	Upper
41	100		
43	154.5	96.2	156.2
39	37.9	11.9	71.9
46	6.2	0.0	37.2

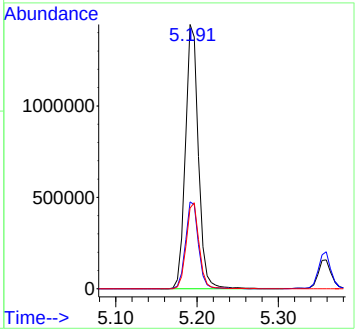


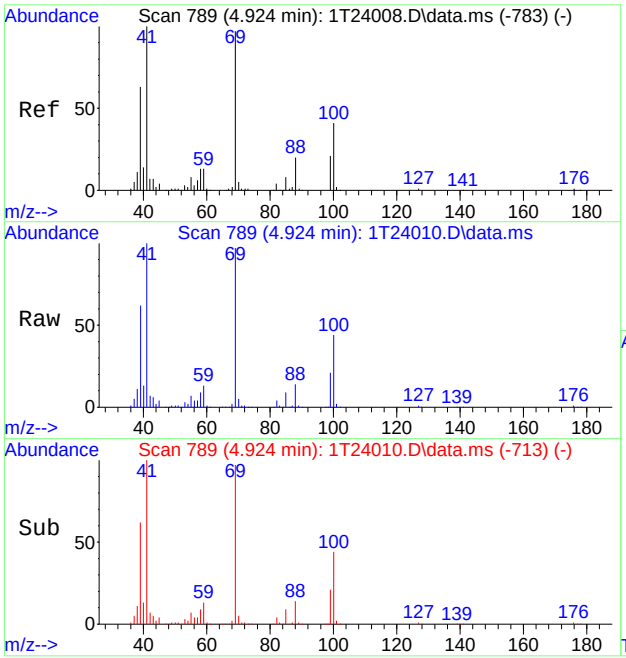


#62
2-chloroethyl vinyl ether
Concen: 703.40 ug/L
RT: 5.191 min Scan# 840
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 63 Resp: 1617235

Ion	Ratio	Lower	Upper
63	100		
65	32.9	2.7	62.7
106	30.5	0.6	60.6

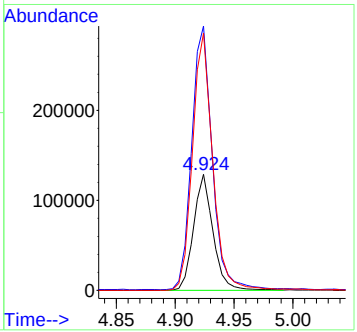


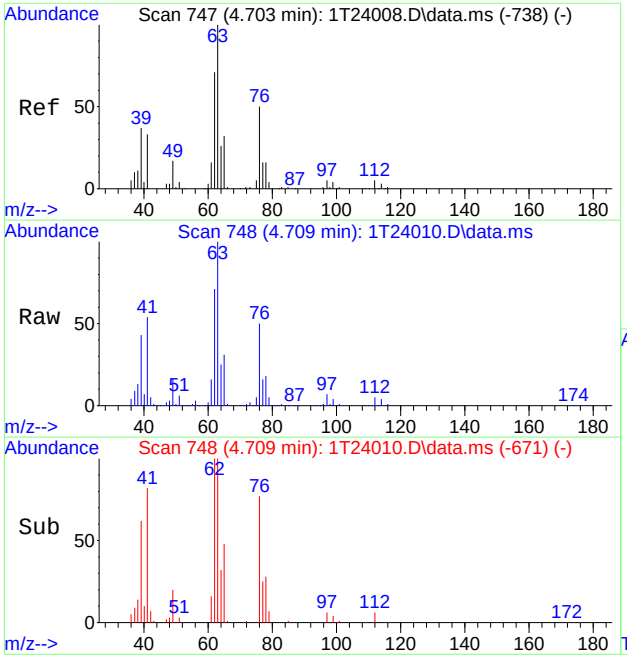


#63
methyl methacrylate
Concen: 129.08 ug/L
RT: 4.924 min Scan# 789
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion:100 Resp: 148529

Ion	Ratio	Lower	Upper
100	100		
41	227.5	214.5	274.5
69	221.8	207.6	267.6

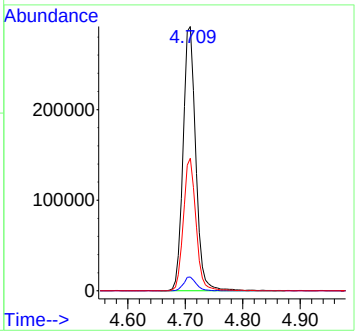


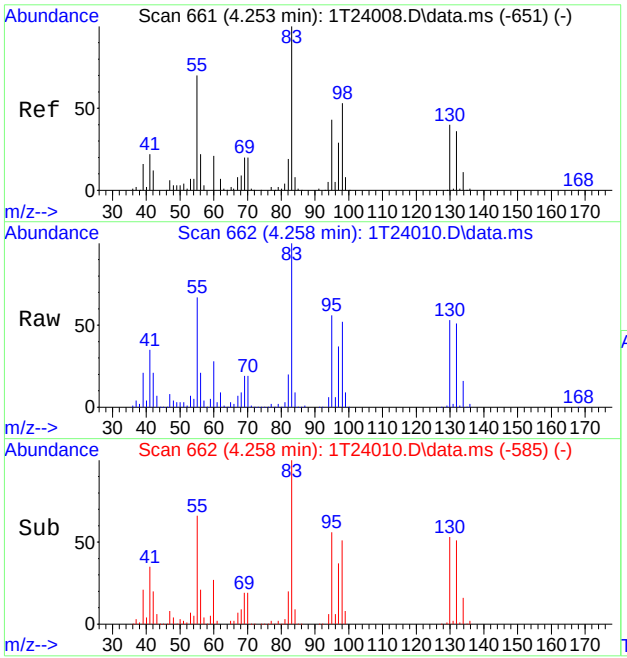


#64
1,2-dichloropropane
Concen: 112.66 ug/L
RT: 4.709 min Scan# 748
Delta R.T. 0.006 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 63 Resp: 449048

Ion	Ratio	Lower	Upper
63	100		
112	5.2	0.0	34.7
76	50.1	20.1	80.1

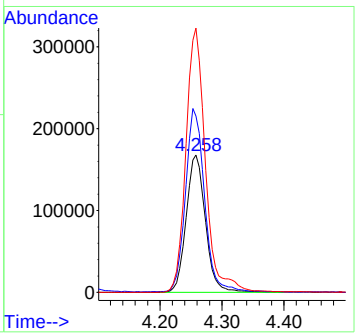


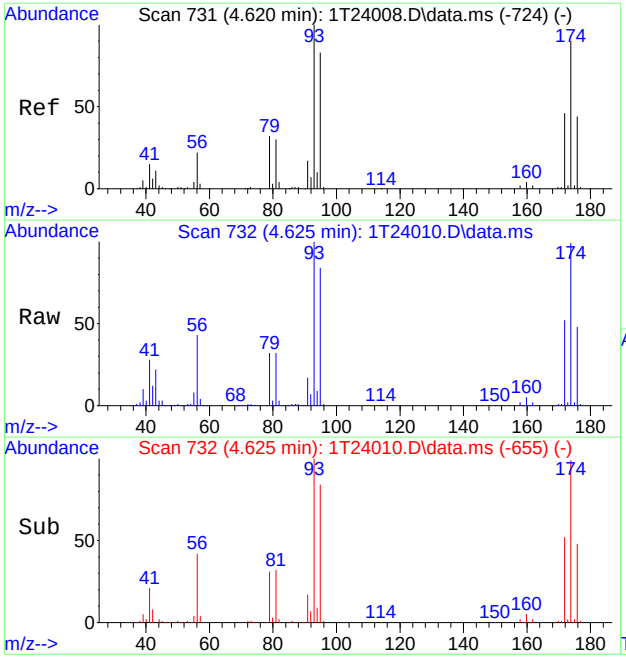


#65
methylcyclohexane
Concen: 128.72 ug/L
RT: 4.258 min Scan# 662
Delta R.T. 0.006 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 98 Resp: 362573

Ion	Ratio	Lower	Upper
98	100		
55	128.0	102.6	162.6
83	192.4	188.2	188.2#

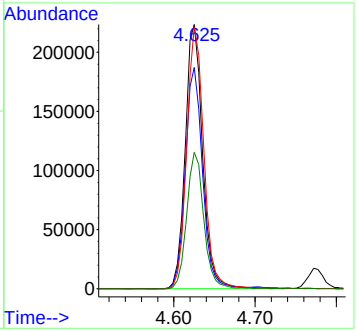


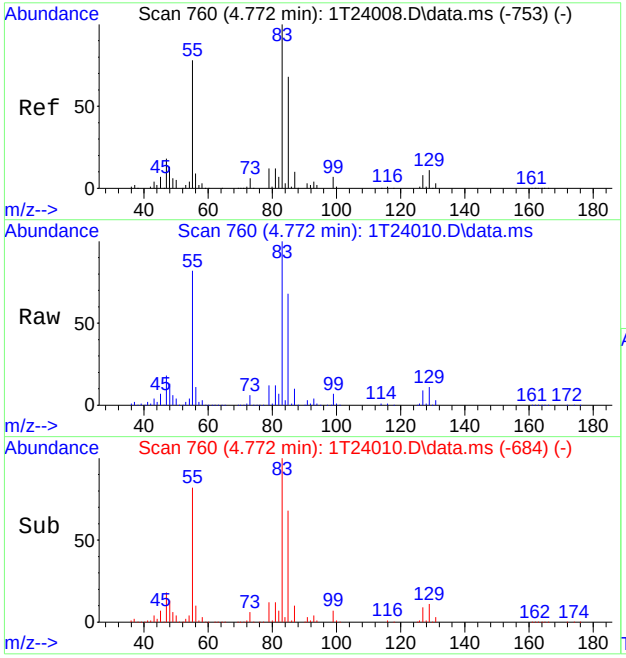


#66
dibromomethane
Concen: 95.22 ug/L
RT: 4.625 min Scan# 732
Delta R.T. 0.006 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 93 Resp: 332824

Ion	Ratio	Lower	Upper
93	100		
95	83.6	53.3	113.3
174	99.1	59.6	119.6
172	51.6	26.5	66.5

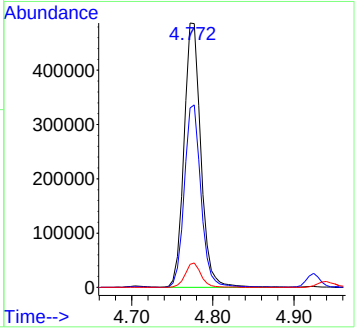


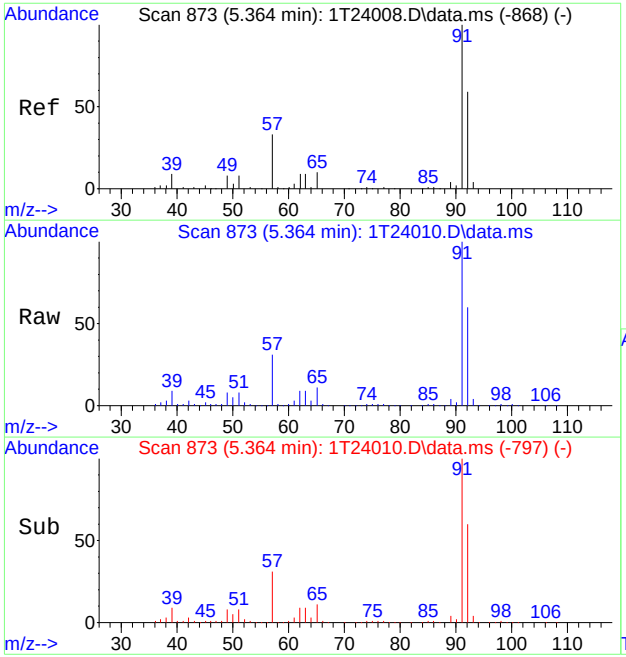


#67
bromodichloromethane
Concen: 109.72 ug/L
RT: 4.772 min Scan# 760
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 83 Resp: 701922

Ion	Ratio	Lower	Upper
83	100		
85	67.8	38.0	98.0
127	8.7	0.0	38.3

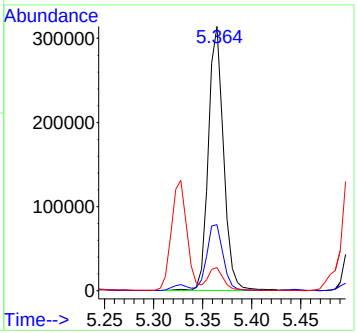


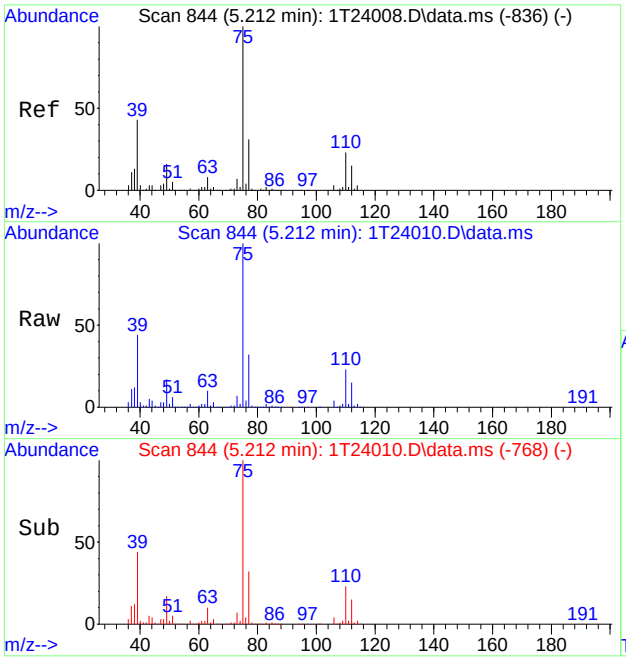


#68
epichlorohydrin
Concen: 586.39 ug/L
RT: 5.364 min Scan# 873
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 57 Resp: 337958

Ion	Ratio	Lower	Upper
57	100		
49	24.9	5.6	45.6
42	8.5	0.0	29.5

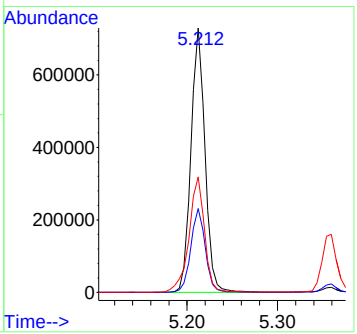


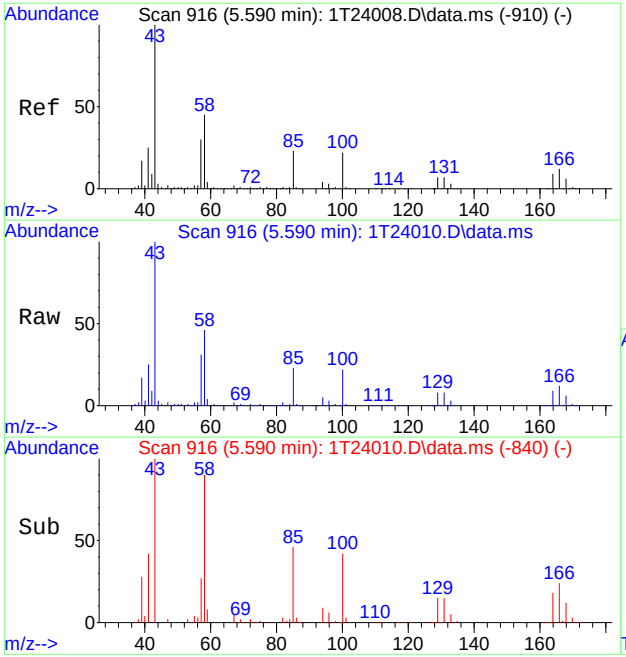


#69
cis-1,3-dichloropropene
Concen: 134.80 ug/L
RT: 5.212 min Scan# 844
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 75 Resp: 787606

Ion	Ratio	Lower	Upper
75	100		
77	31.7	1.4	61.4
39	43.6	13.3	73.3

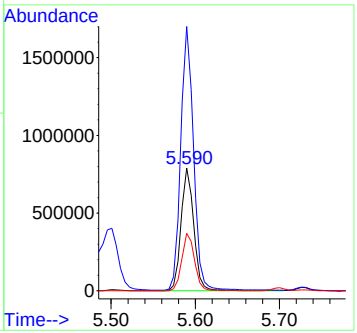


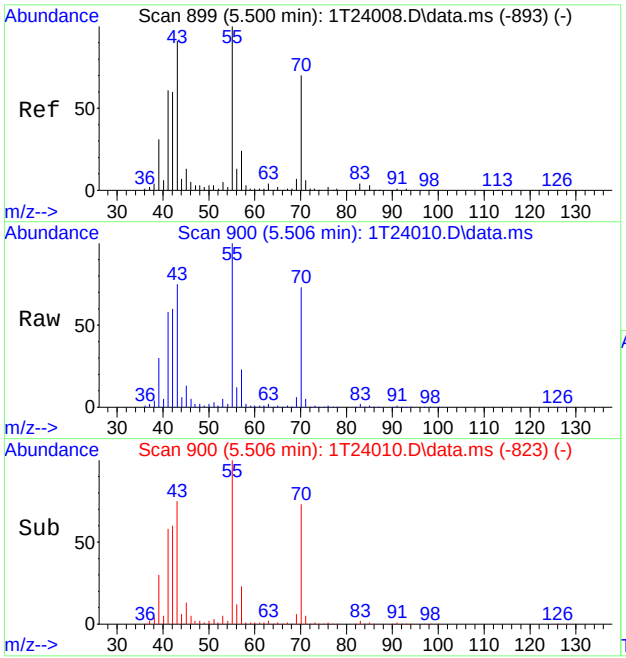


#70
4-methyl-2-pentanone
Concen: 481.03 ug/L
RT: 5.590 min Scan# 916
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 58 Resp: 831041

Ion	Ratio	Lower	Upper
58	100		
43	214.8	192.2	252.2
100	46.7	18.2	78.2

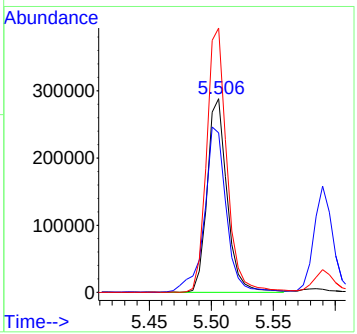


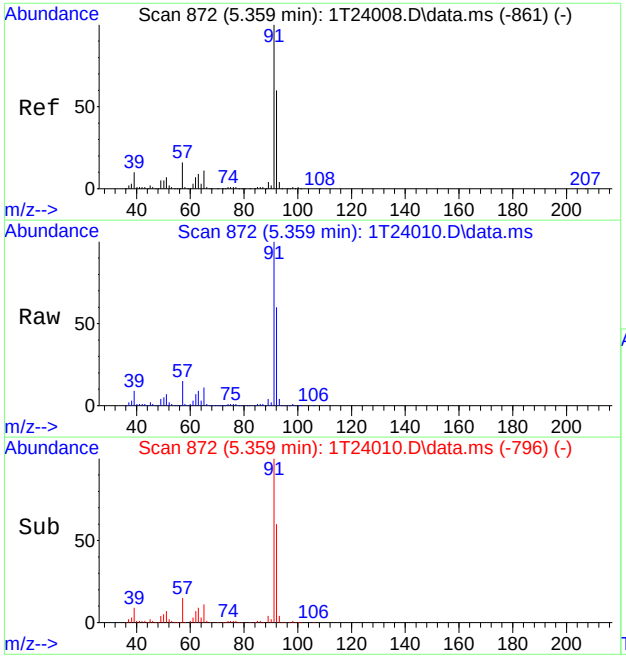


#71
3-methyl-1-butanol
Concen: 2206.34 ug/L
RT: 5.506 min Scan# 900
Delta R.T. 0.006 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 70 Resp: 321138

Ion	Ratio	Lower	Upper
70	100		
42	82.3	54.9	114.9
55	136.6	112.0	172.0

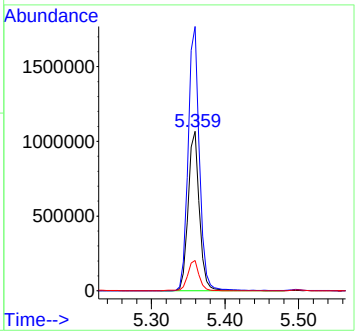


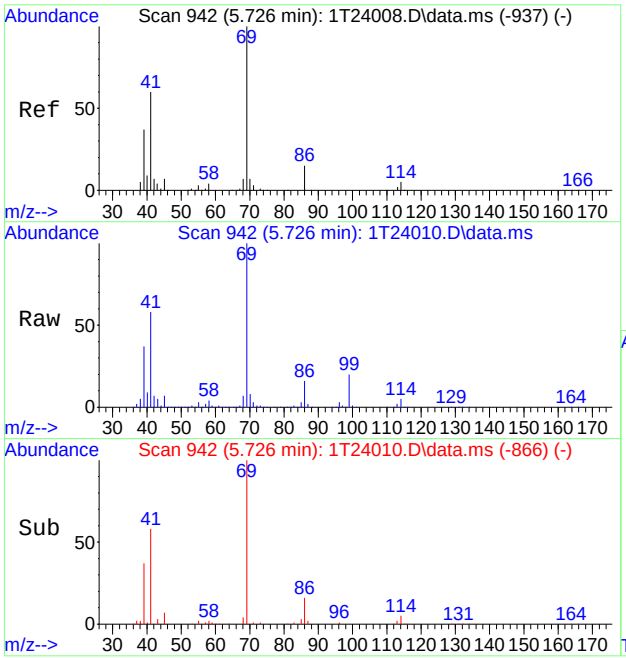


#74
toluene
Concen: 101.64 ug/L
RT: 5.359 min Scan# 872
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 92 Resp: 1131939

Ion	Ratio	Lower	Upper
92	100		
91	165.8	147.9	187.9
65	18.9	0.0	38.0

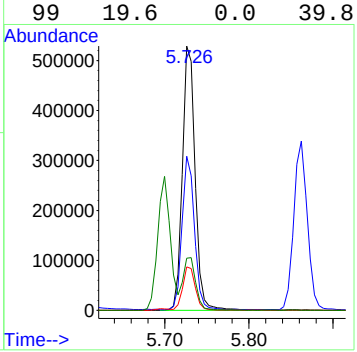


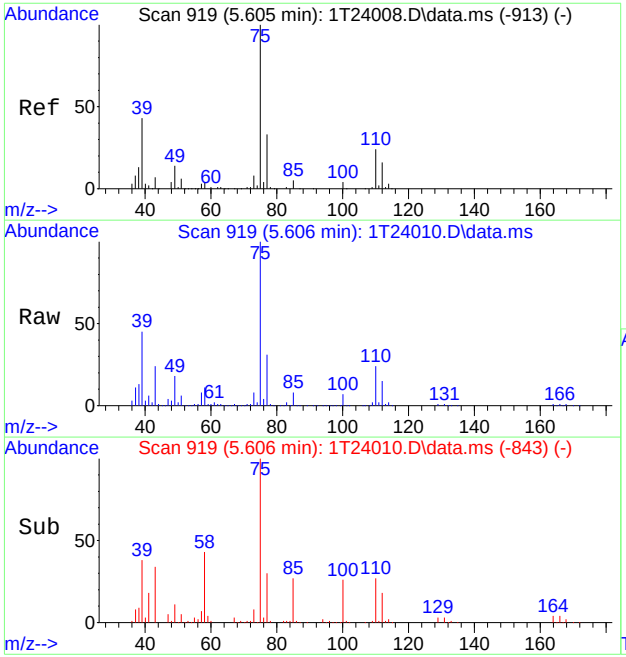


#75
ethyl methacrylate
Concen: 122.87 ug/L
RT: 5.726 min Scan# 942
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 69 Resp: 556458

Ion	Ratio	Lower	Upper
69	100		
41	58.1	40.2	80.2
86	16.5	0.0	35.4
99	19.6	0.0	39.8

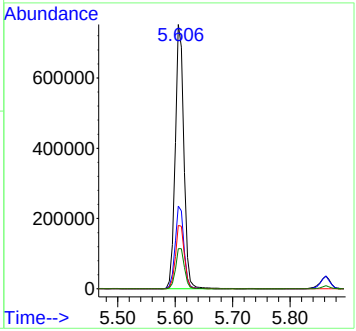


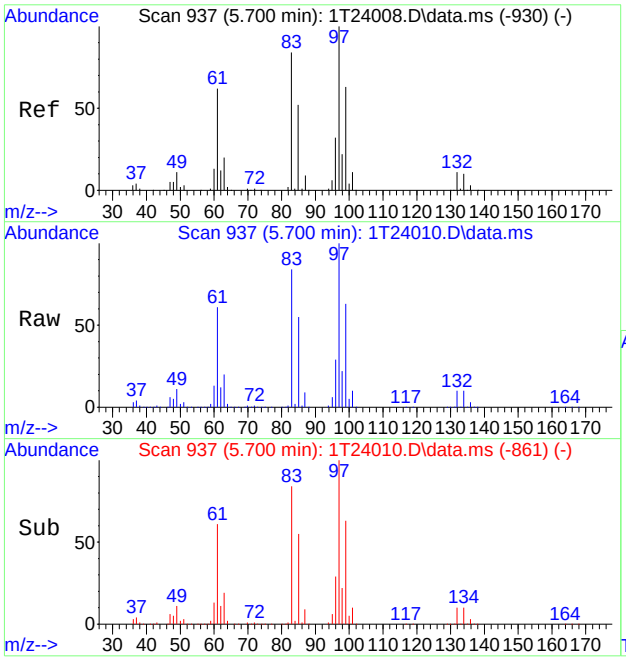


#76
trans-1,3-dichloropropene
Concen: 125.46 ug/L
RT: 5.606 min Scan# 919
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 75 Resp: 784434

Ion	Ratio	Lower	Upper
75	100		
77	31.3	12.7	52.7
110	24.0	4.1	44.1
112	15.2	0.0	35.6

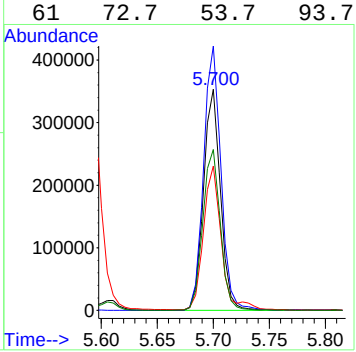


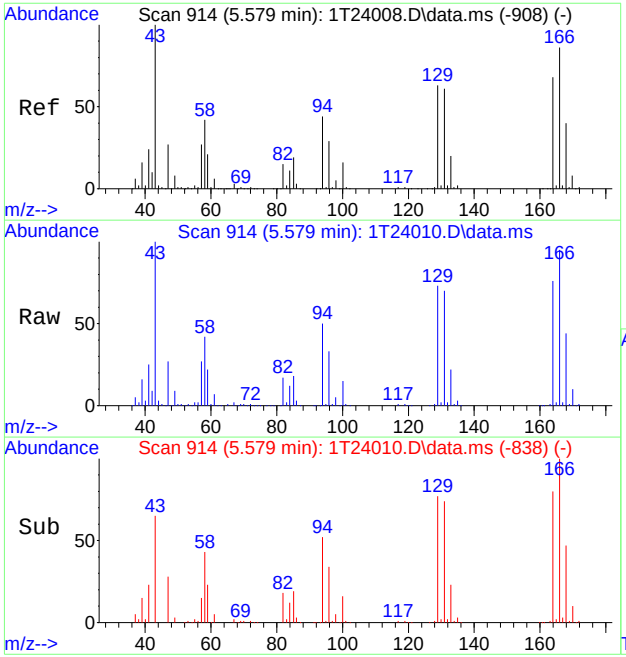


#77
1,1,2-trichloroethane
Concen: 115.57 ug/L
RT: 5.700 min Scan# 937
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 83 Resp: 373296

Ion	Ratio	Lower	Upper
83	100		
97	119.6	98.8	138.8
85	64.9	41.6	81.6
61	72.7	53.7	93.7

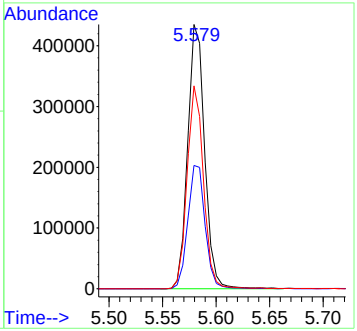


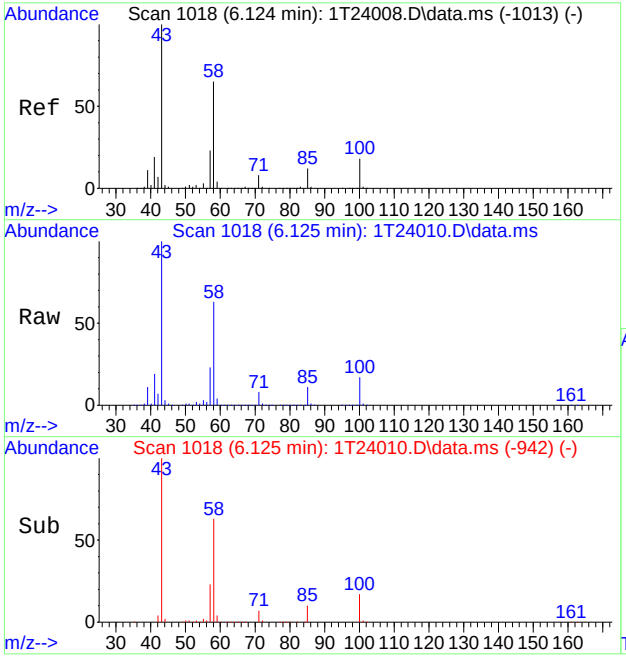


#78
tetrachloroethene
Concen: 104.32 ug/L
RT: 5.579 min Scan# 914
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion:166 Resp: 480409

Ion	Ratio	Lower	Upper
166	100		
168	46.6	16.8	76.8
129	76.7	43.9	103.9

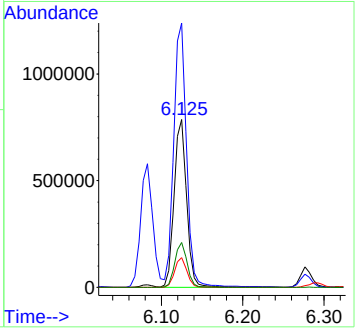


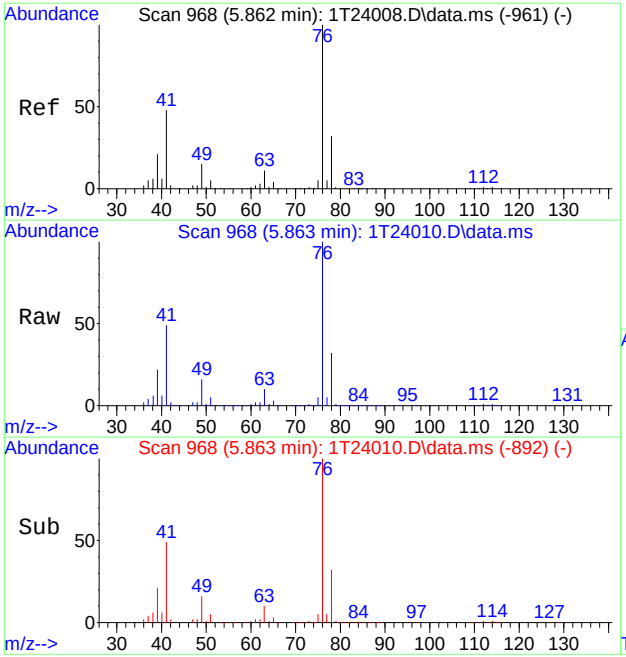


#79
2-hexanone
Concen: 512.69 ug/L
RT: 6.125 min Scan# 1018
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 58 Resp: 846207

Ion	Ratio	Lower	Upper
58	100		
43	157.5	139.1	179.1
85	17.8	0.0	38.1
100	26.8	7.8	47.8

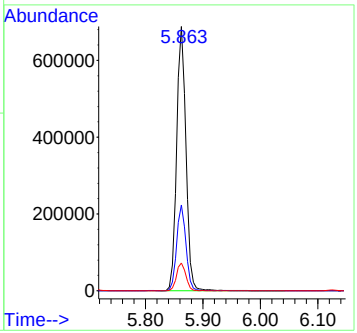


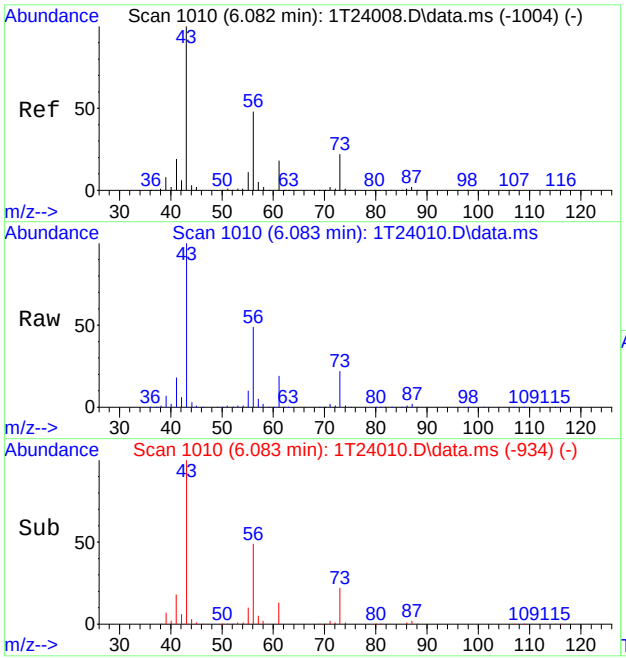


#80
1,3-dichloropropane
Concen: 117.44 ug/L
RT: 5.863 min Scan# 968
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 76 Resp: 773945

Ion	Ratio	Lower	Upper
76	100		
78	32.5	2.1	62.1
63	10.5	0.0	40.7

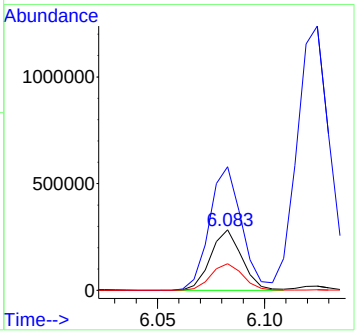


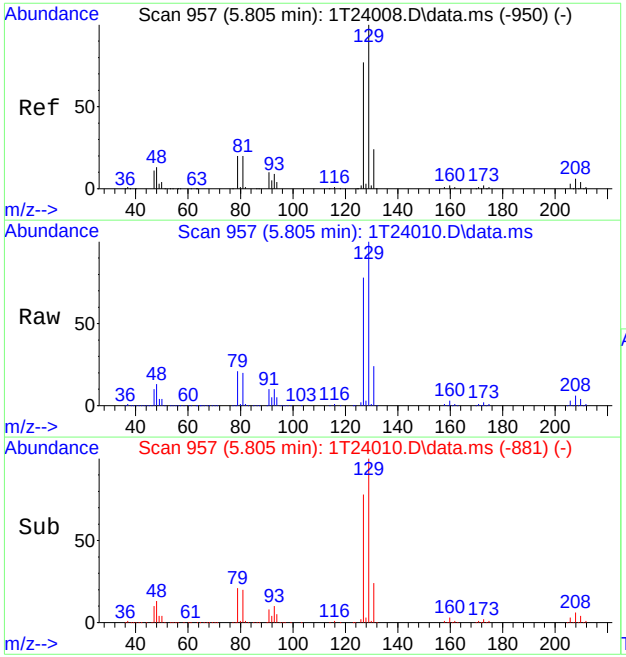


#81
butyl acetate
Concen: 132.80 ug/L
RT: 6.083 min Scan# 1010
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 56 Resp: 290269

Ion	Ratio	Lower	Upper
56	100		
43	204.1	177.8	237.8
73	44.1	16.2	76.2

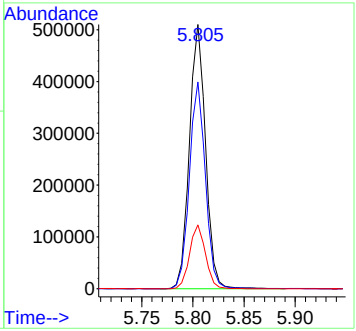


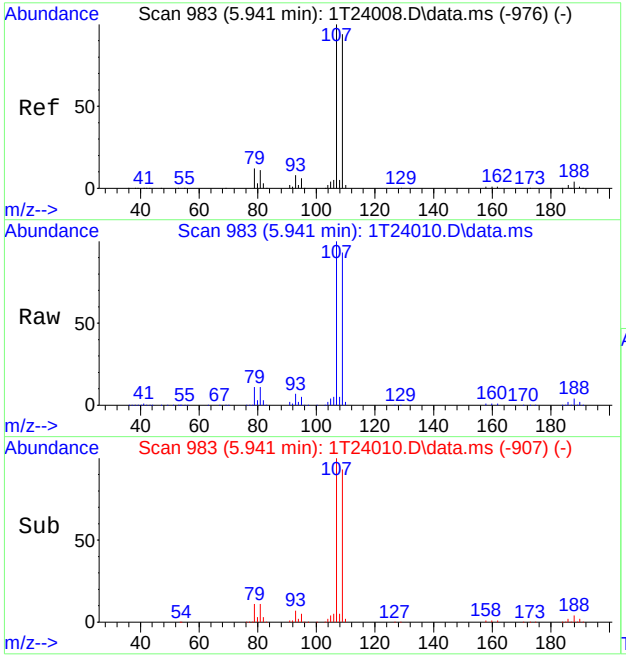


#82
dibromochloromethane
Concen: 114.73 ug/L
RT: 5.805 min Scan# 957
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion:129 Resp: 562262

Ion	Ratio	Lower	Upper
129	100		
127	78.2	47.5	107.5
131	24.2	0.0	54.1

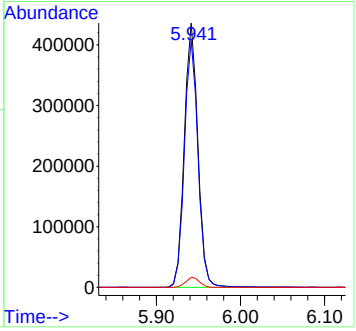


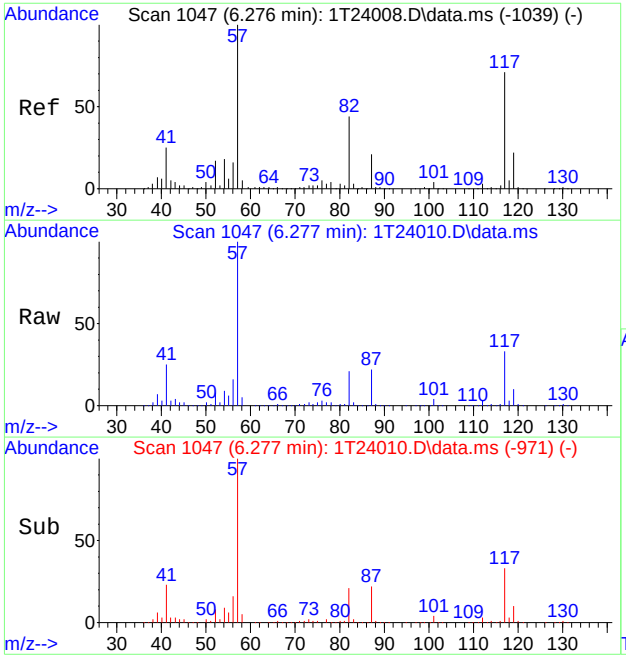


#83
1,2-dibromoethane
Concen: 114.61 ug/L
RT: 5.941 min Scan# 983
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion:107 Resp: 488795

Ion	Ratio	Lower	Upper
107	100		
109	93.4	64.0	124.0
188	3.9	0.0	33.9

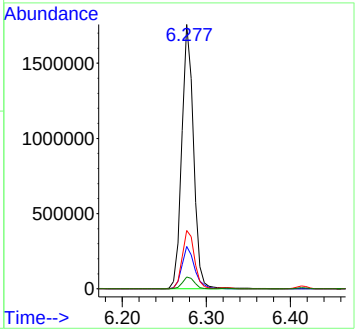


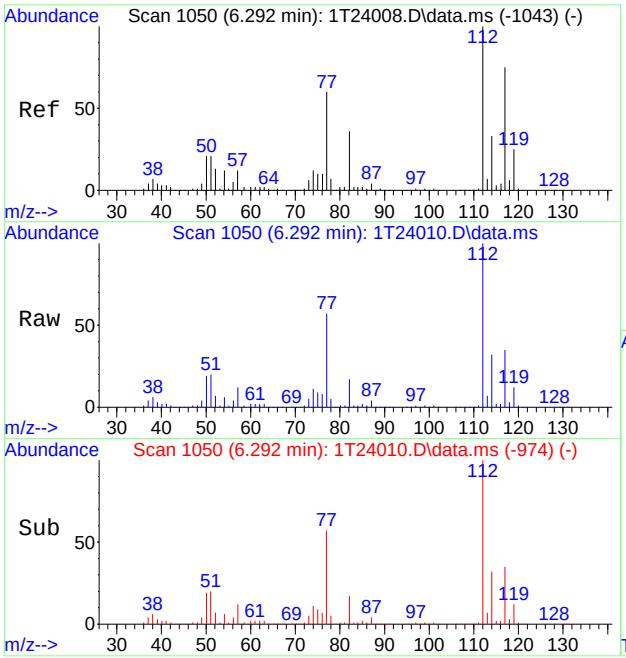


#84
n-butyl ether
Concen: 121.23 ug/L
RT: 6.277 min Scan# 1047
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 57 Resp: 1702421

Ion	Ratio	Lower	Upper
57	100		
56	16.0	0.0	46.4
87	22.0	0.0	51.4
101	4.5	0.0	34.3

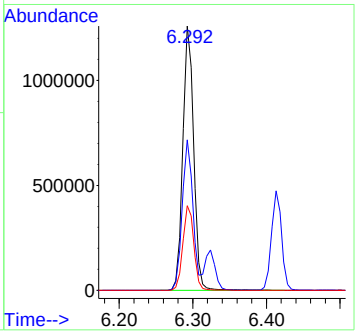


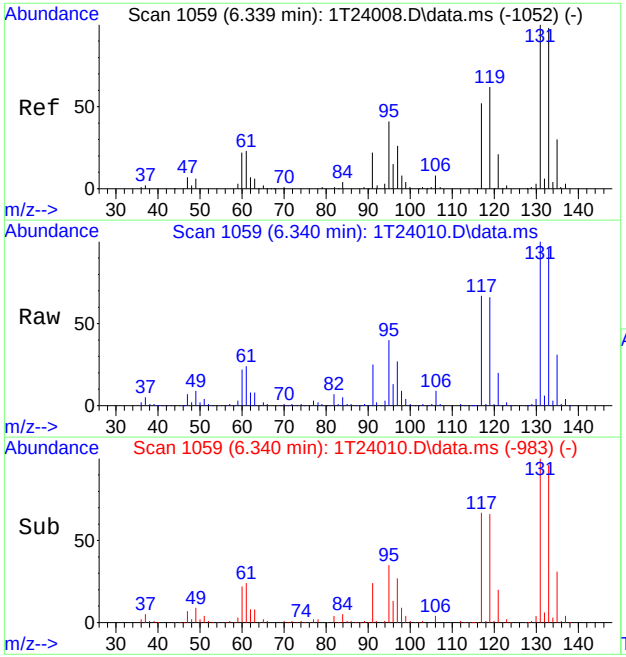


#85
chlorobenzene
Concen: 99.71 ug/L
RT: 6.292 min Scan# 1050
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion:112 Resp: 1290948

Ion	Ratio	Lower	Upper
112	100		
77	56.9	29.6	89.6
114	32.1	3.1	63.1

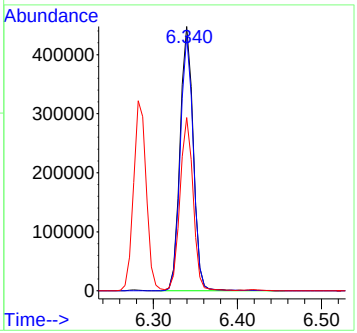


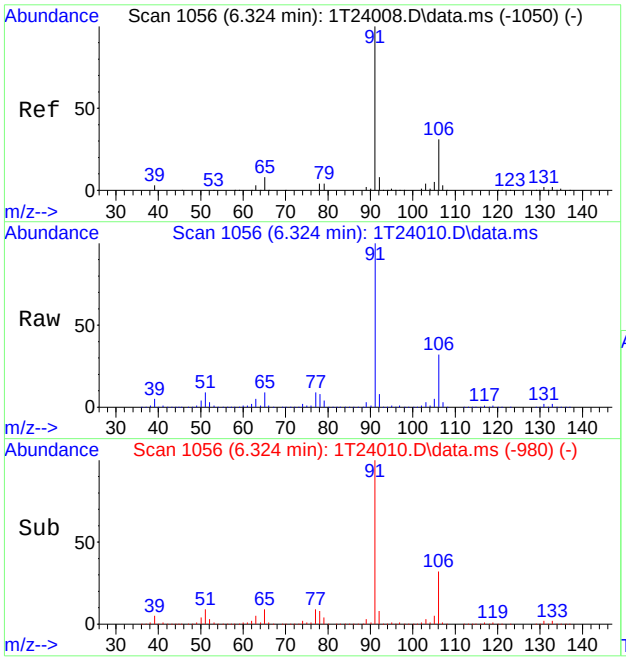


#86
1,1,1,2-tetrachloroethane
Concen: 112.10 ug/L
RT: 6.340 min Scan# 1059
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion:131 Resp: 487970

Ion	Ratio	Lower	Upper
131	100		
133	96.4	67.5	127.5
119	65.5	36.1	96.1

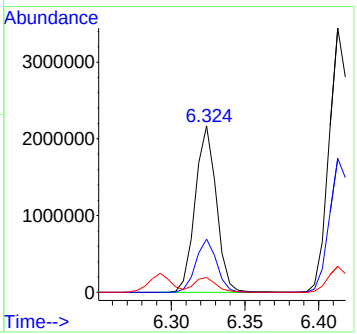


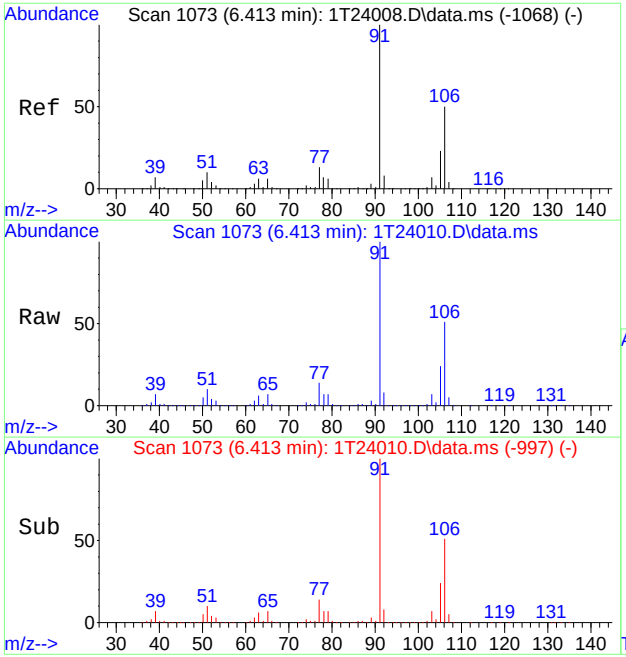


#87
ethylbenzene
Concen: 105.05 ug/L
RT: 6.324 min Scan# 1056
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 91 Resp: 2158854

Ion	Ratio	Lower	Upper
91	100		
106	32.1	1.3	61.3
51	8.9	0.0	39.0

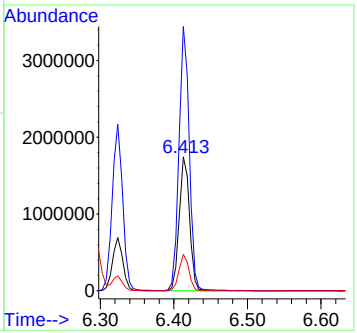


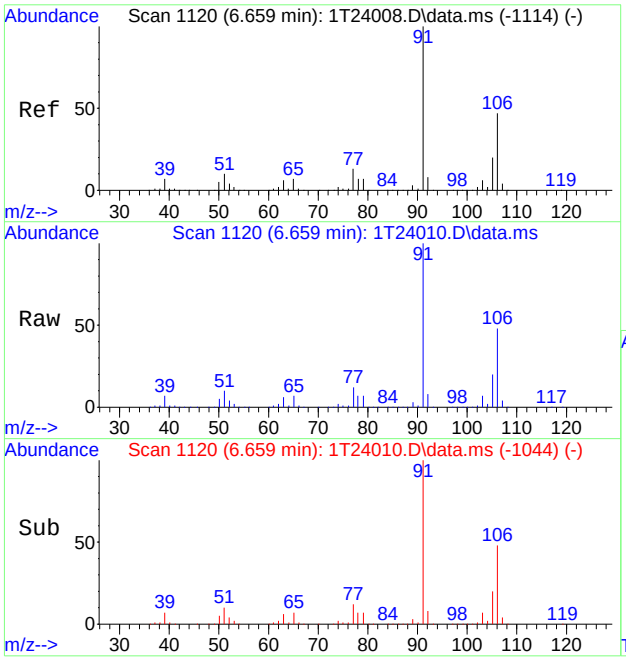


#88
m,p-xylene
Concen: 219.57 ug/L
RT: 6.413 min Scan# 1073
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion:106 Resp: 1719708

Ion	Ratio	Lower	Upper
106	100		
91	197.3	169.8	229.8
77	27.1	6.7	46.7

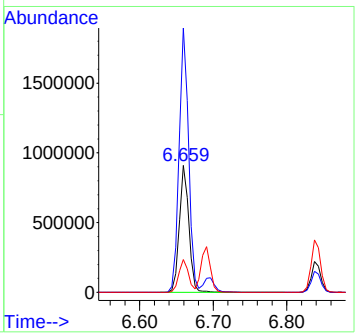


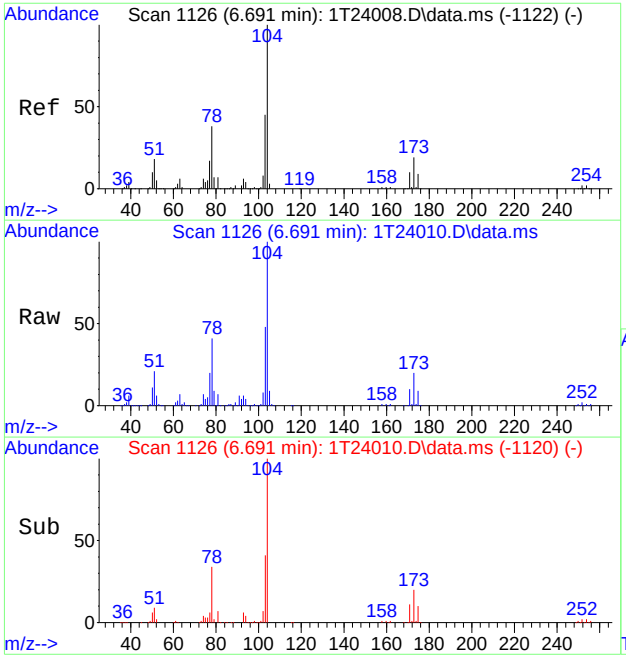


#89
o-xylene
Concen: 114.77 ug/L
RT: 6.659 min Scan# 1120
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion:106 Resp: 821909

Ion	Ratio	Lower	Upper
106	100		
91	208.0	181.7	241.7
77	25.8	6.5	46.5

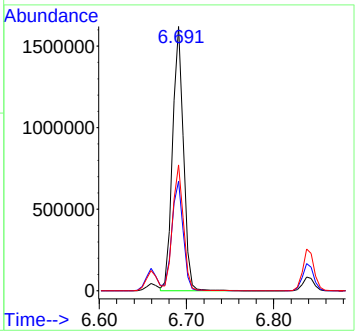


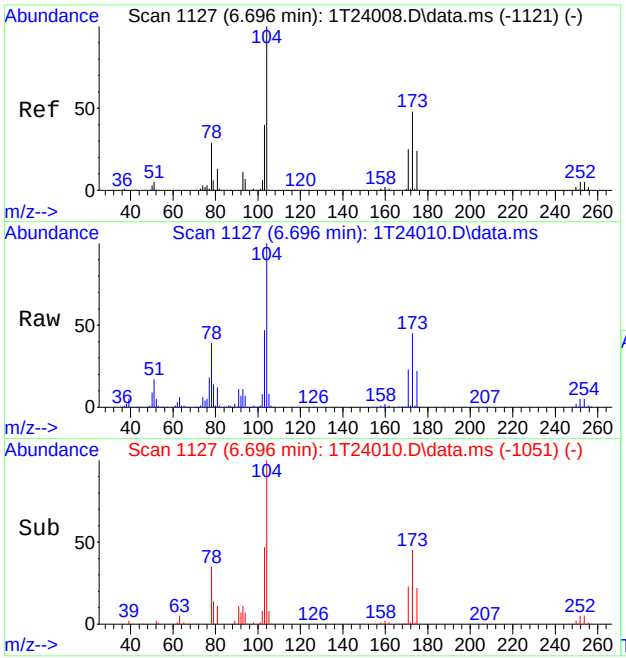


#90
styrene
Concen: 124.73 ug/L
RT: 6.691 min Scan# 1126
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion:104 Resp: 1410450

Ion	Ratio	Lower	Upper
104	100		
78	41.5	9.6	69.6
103	47.6	16.5	76.5

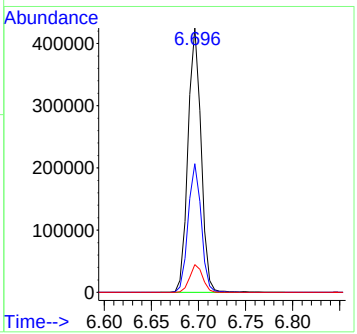


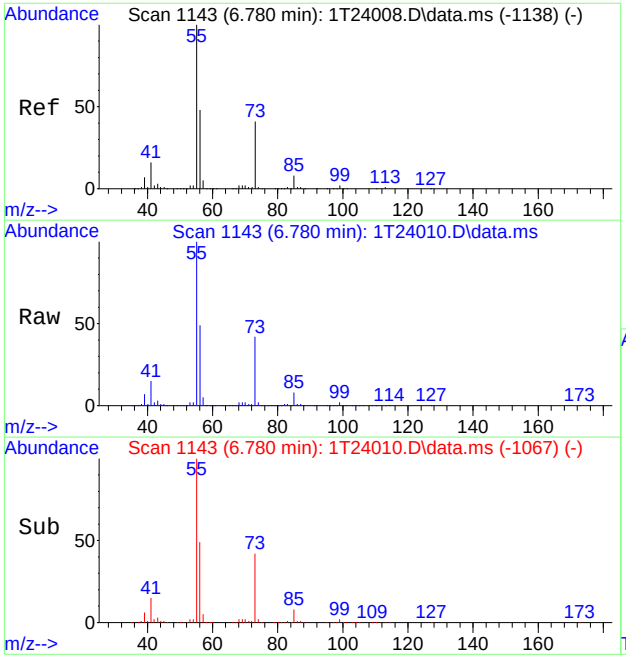


#91
bromoform
Concen: 108.71 ug/L
RT: 6.696 min Scan# 1127
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion:173 Resp: 409749

Ion	Ratio	Lower	Upper
173	100		
175	48.6	19.5	79.5
254	10.5	0.0	40.4

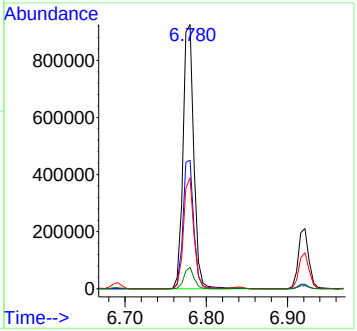


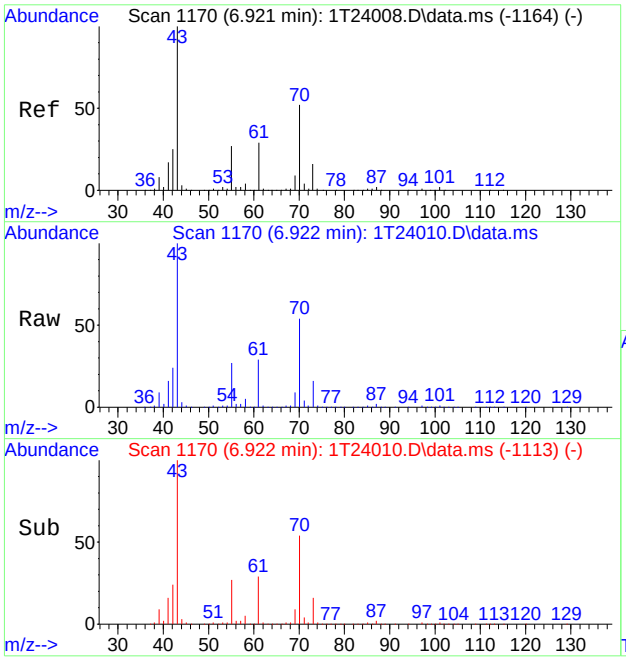


#92
butyl acrylate
Concen: 131.91 ug/L
RT: 6.780 min Scan# 1143
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 55 Resp: 862740

Ion	Ratio	Lower	Upper
55	100		
56	48.7	18.5	78.5
73	41.9	10.6	70.6
85	8.2	0.0	38.0

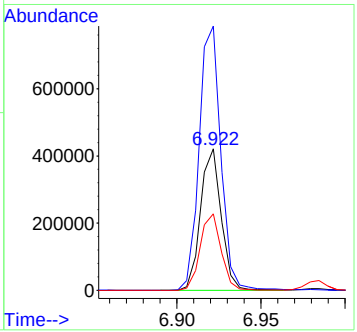


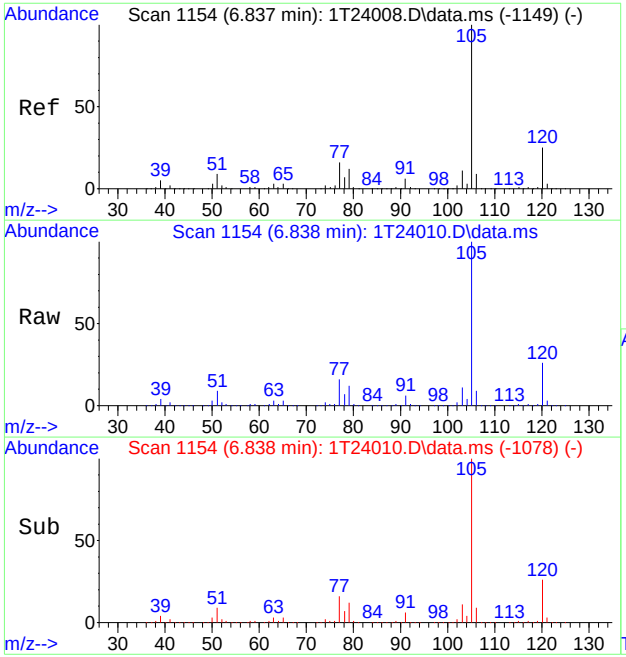


#93
n-amyl acetate
Concen: 130.87 ug/L
RT: 6.922 min Scan# 1170
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 70 Resp: 362829

Ion	Ratio	Lower	Upper
70	100		
43	186.7	171.9	211.9
61	54.1	35.4	75.4

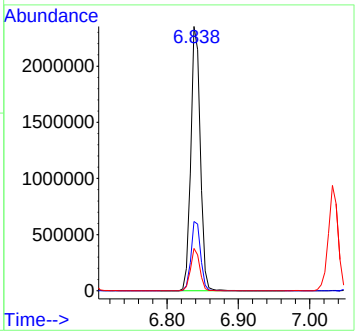


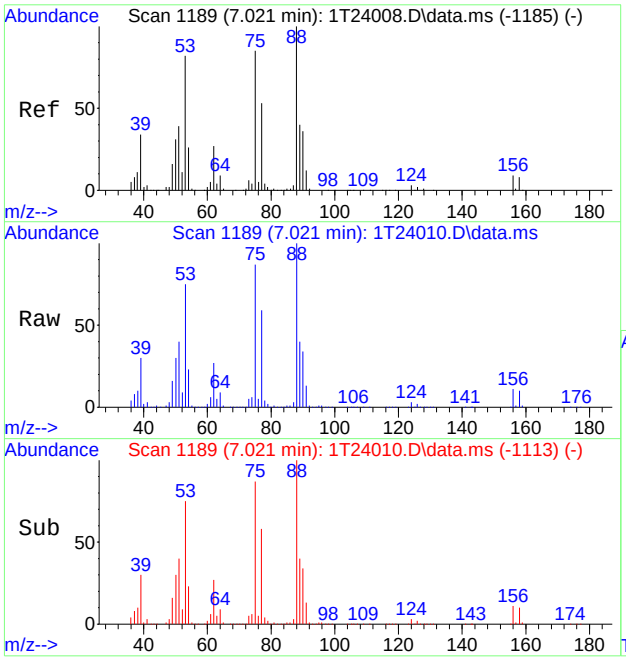


#94
isopropylbenzene
Concen: 119.71 ug/L
RT: 6.838 min Scan# 1154
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion:105 Resp: 2176096

Ion	Ratio	Lower	Upper
105	100		
120	26.2	5.3	45.3
77	16.0	0.0	36.1

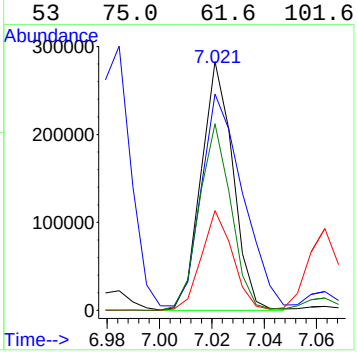


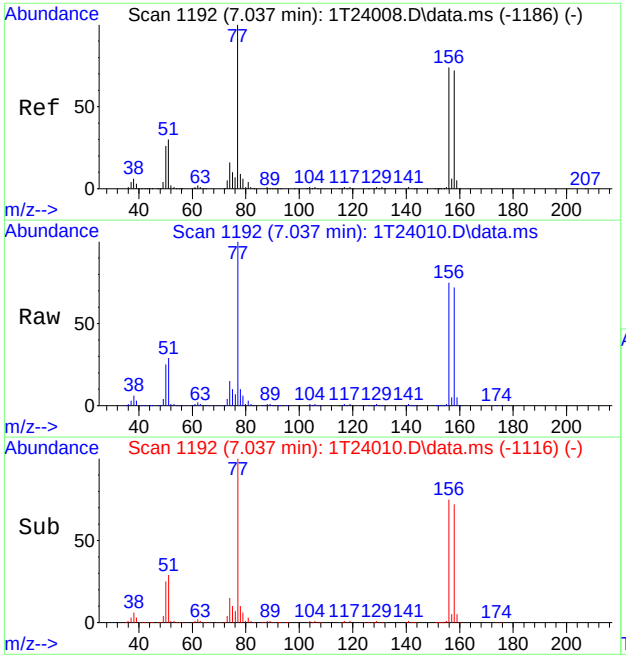


#95
cis-1,4-dichloro-2-butene
Concen: 110.40 ug/L
RT: 7.021 min Scan# 1189
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 88 Resp: 241081

Ion	Ratio	Lower	Upper
88	100		
75	85.3	67.1	107.1
89	40.1	19.7	59.7
53	75.0	61.6	101.6

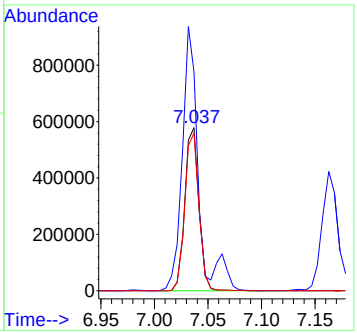


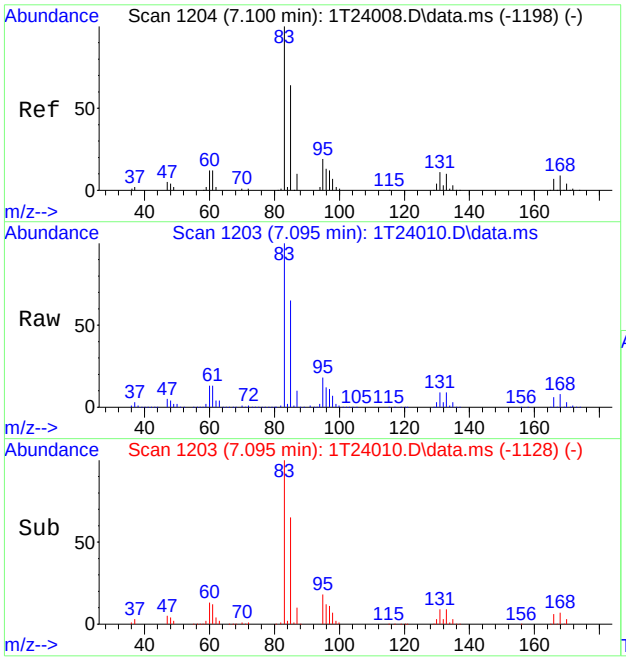


#98
bromobenzene
Concen: 100.09 ug/L
RT: 7.037 min Scan# 1192
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion:156 Resp: 529846

Ion	Ratio	Lower	Upper
156	100		
77	134.0	104.6	164.6
158	96.7	67.1	127.1

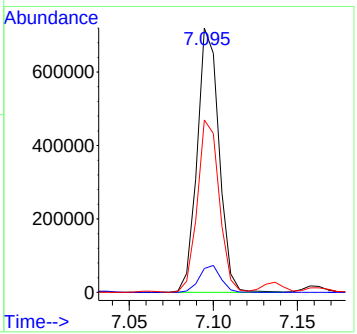


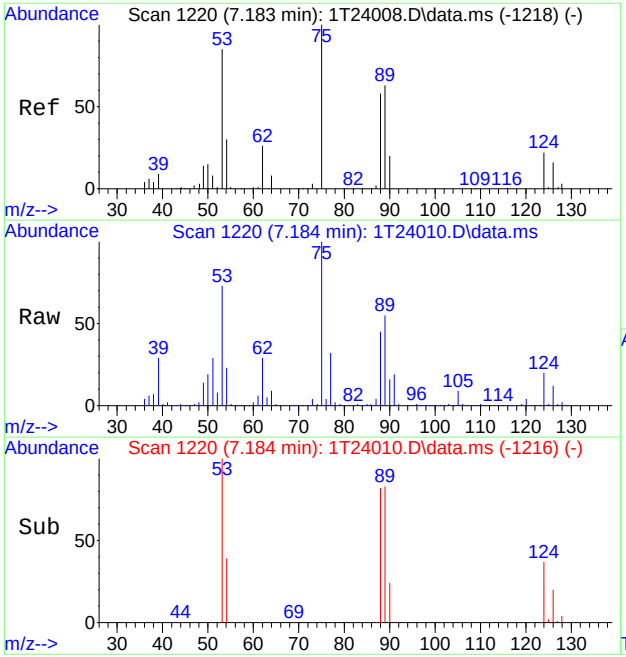


#99
1,1,2,2-tetrachloroethane
Concen: 100.24 ug/L
RT: 7.095 min Scan# 1203
Delta R.T. -0.005 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 83 Resp: 653013

Ion	Ratio	Lower	Upper
83	100		
131	9.0	0.0	40.9
85	64.9	34.4	94.4

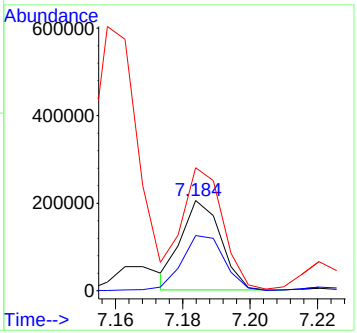


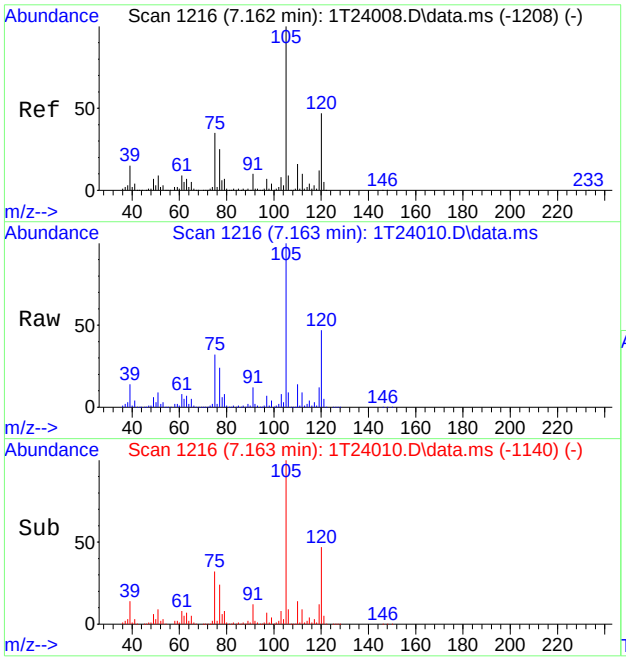


#100
trans-1,4-dichloro-2-butene
Concen: 101.77 ug/L
RT: 7.184 min Scan# 1220
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 53 Resp: 167467

Ion	Ratio	Lower	Upper
53	100		
88	60.9	29.6	89.6
75	133.4	97.1	157.1

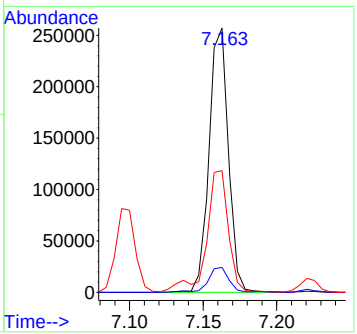


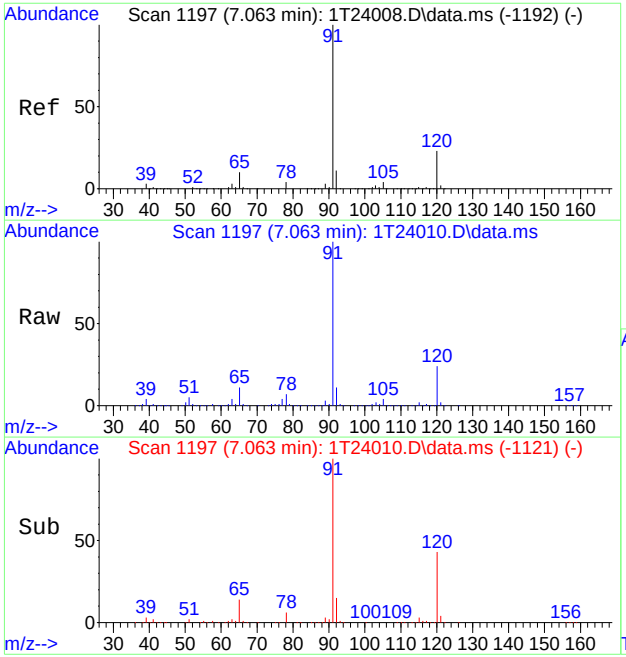


#101
1,2,3-trichloropropane
Concen: 101.56 ug/L
RT: 7.163 min Scan# 1216
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion:110 Resp: 234222

Ion	Ratio	Lower	Upper
110	100		
111	9.5	0.0	39.0
97	45.8	15.1	75.1

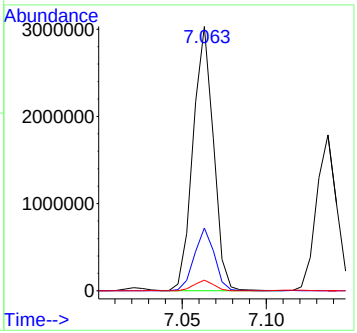


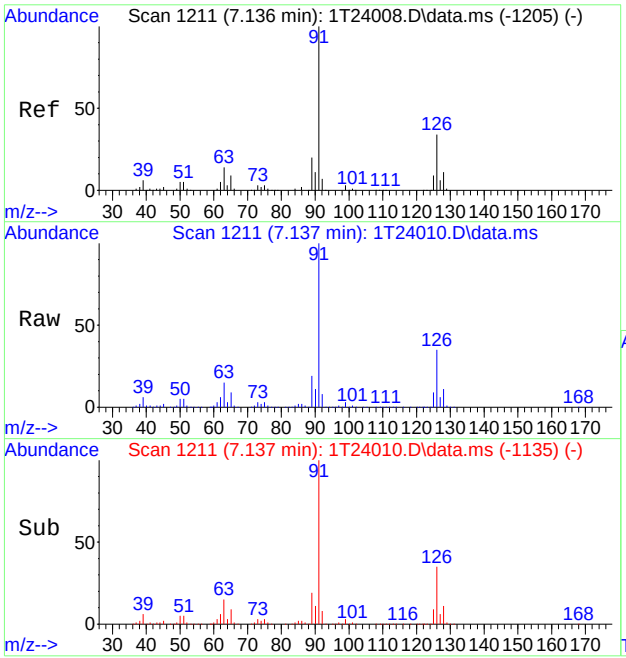


#102
n-propylbenzene
Concen: 110.82 ug/L
RT: 7.063 min Scan# 1197
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 91 Resp: 2556895

Ion	Ratio	Lower	Upper
91	100		
120	23.7	0.0	53.1
105	4.0	0.0	33.9

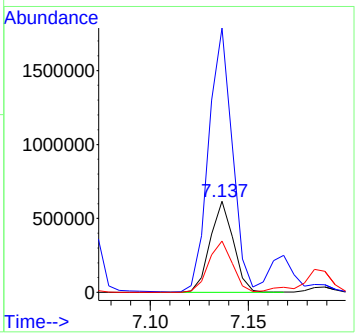


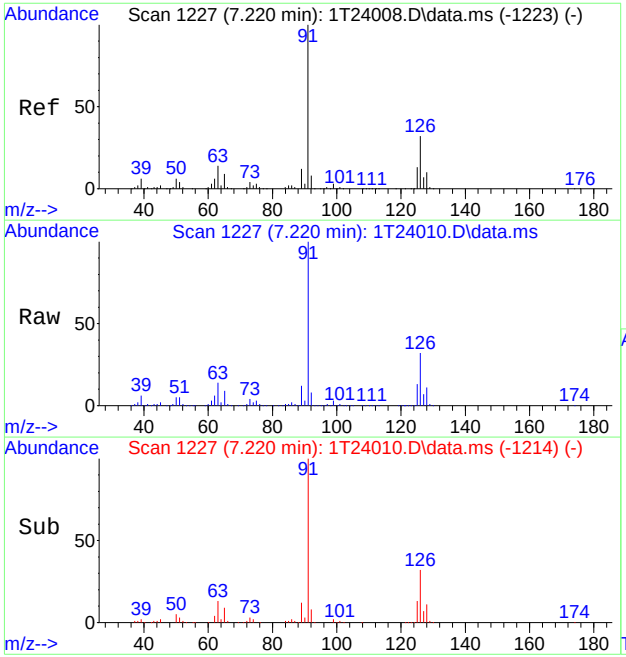


#103
2-chlorotoluene
Concen: 108.62 ug/L
RT: 7.137 min Scan# 1211
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion:126 Resp: 509084

Ion	Ratio	Lower	Upper
126	100		
91	289.3	263.0	323.0
89	56.4	27.6	87.6

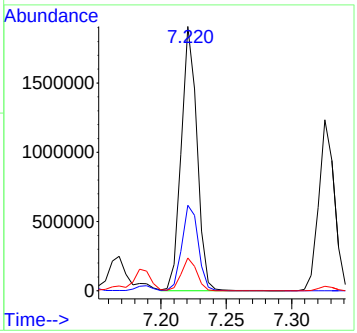


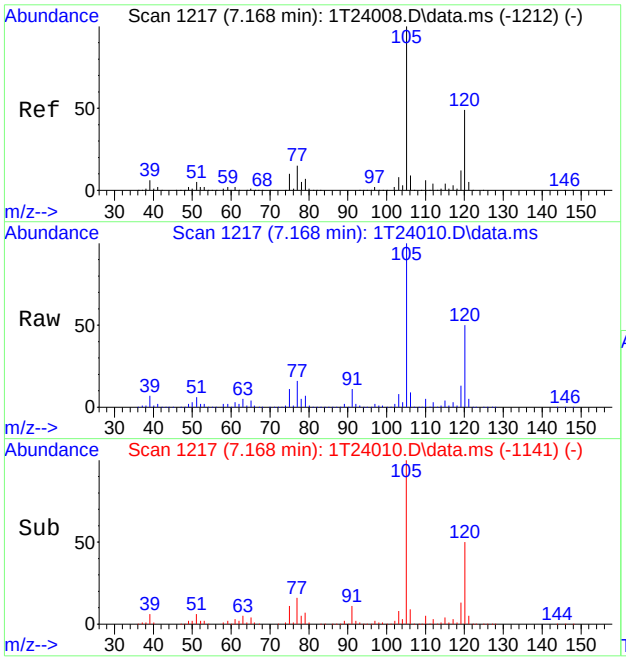


#104
4-chlorotoluene
Concen: 109.20 ug/L
RT: 7.220 min Scan# 1227
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion: 91 Resp: 1598192

Ion	Ratio	Lower	Upper
91	100		
126	32.4	2.2	62.2
89	12.4	0.0	42.5

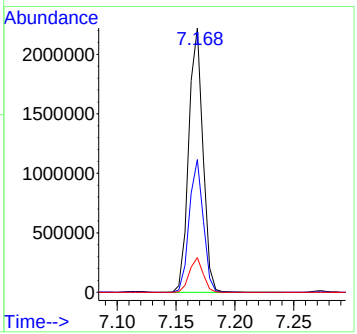


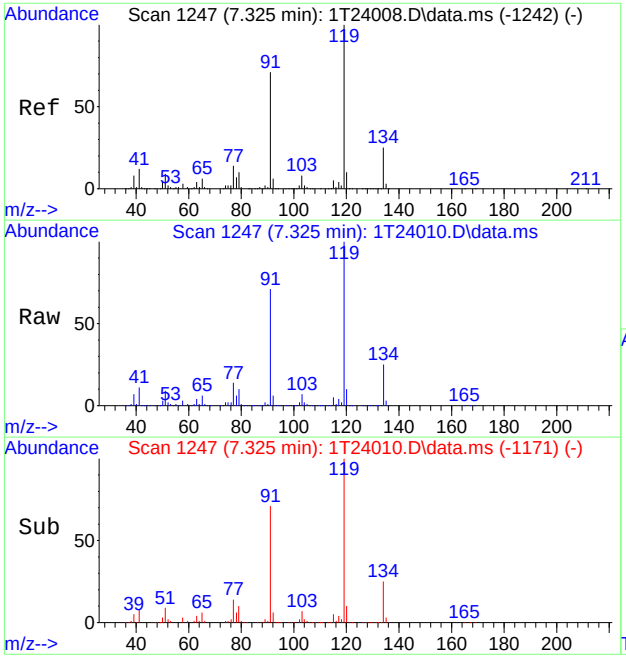


#105
1,3,5-trimethylbenzene
Concen: 118.85 ug/L
RT: 7.168 min Scan# 1217
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion:105 Resp: 1864010

Ion	Ratio	Lower	Upper
105	100		
120	50.3	19.0	79.0
119	13.1	0.0	42.2

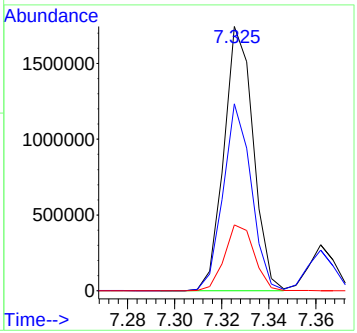


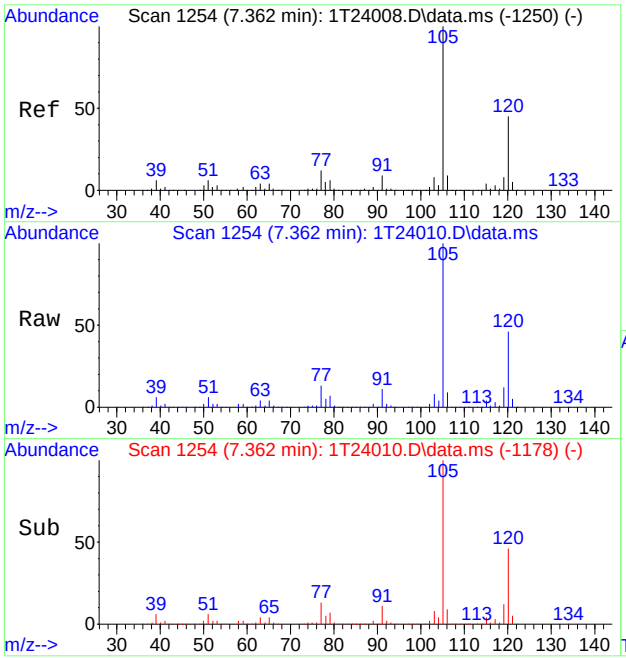


#106
tert-butylbenzene
Concen: 123.43 ug/L
RT: 7.325 min Scan# 1247
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion:119 Resp: 1513768

Ion	Ratio	Lower	Upper
119	100		
91	70.7	40.9	100.9
134	24.9	0.0	54.5

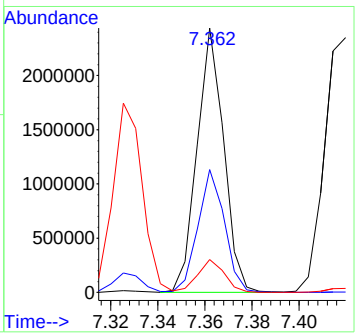


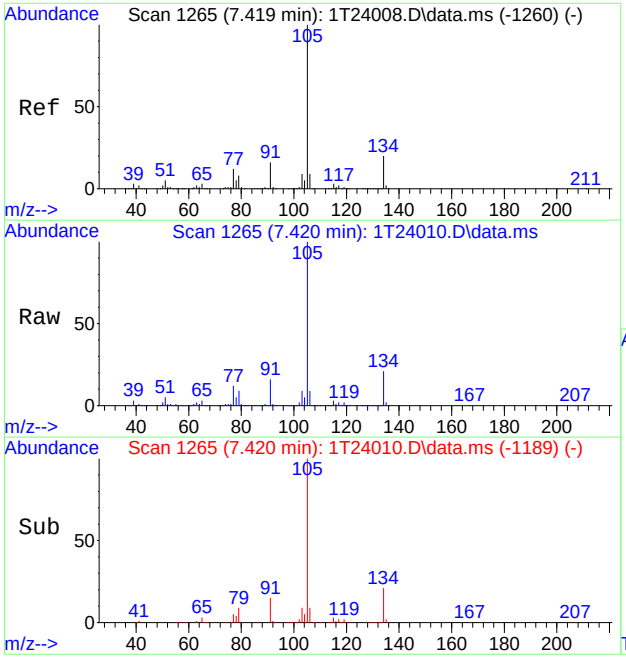


#107
1,2,4-trimethylbenzene
Concen: 122.09 ug/L
RT: 7.362 min Scan# 1254
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion:105 Resp: 1924514

Ion	Ratio	Lower	Upper
105	100		
120	46.4	15.8	75.8
119	12.4	0.0	42.2

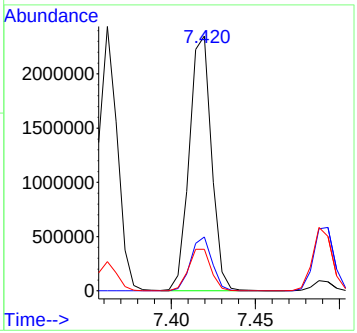


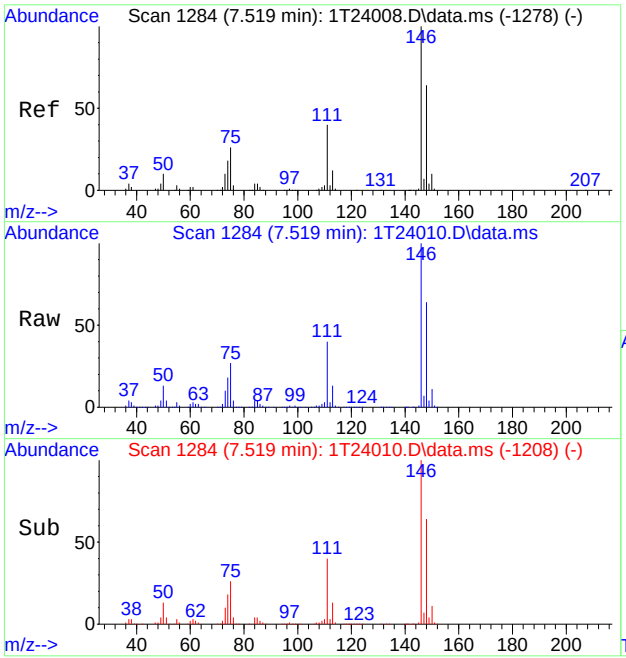


#108
sec-butylbenzene
Concen: 122.31 ug/L
RT: 7.420 min Scan# 1265
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion:105 Resp: 2157439

Ion	Ratio	Lower	Upper
105	100		
134	21.1	0.0	50.4
91	16.3	0.0	45.8

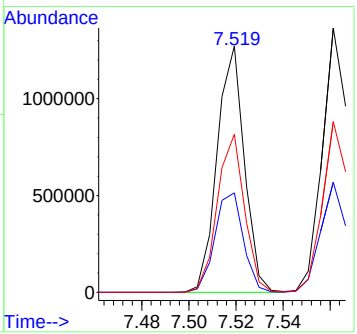


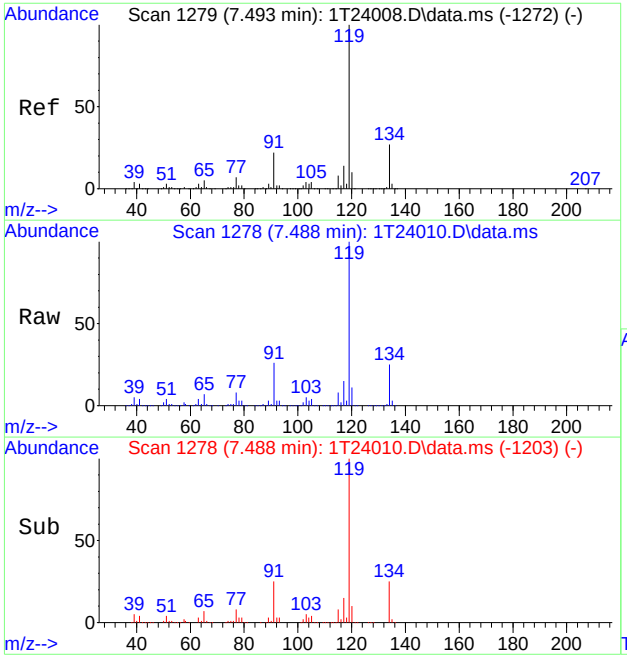


#109
1,3-dichlorobenzene
Concen: 104.62 ug/L
RT: 7.519 min Scan# 1284
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion:146 Resp: 1024925

Ion	Ratio	Lower	Upper
146	100		
111	40.3	9.6	69.6
148	64.2	33.7	93.7

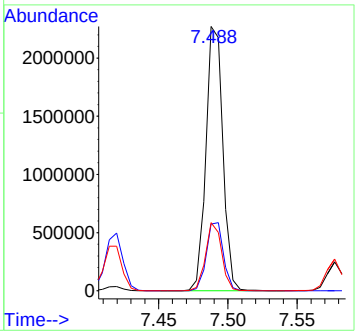


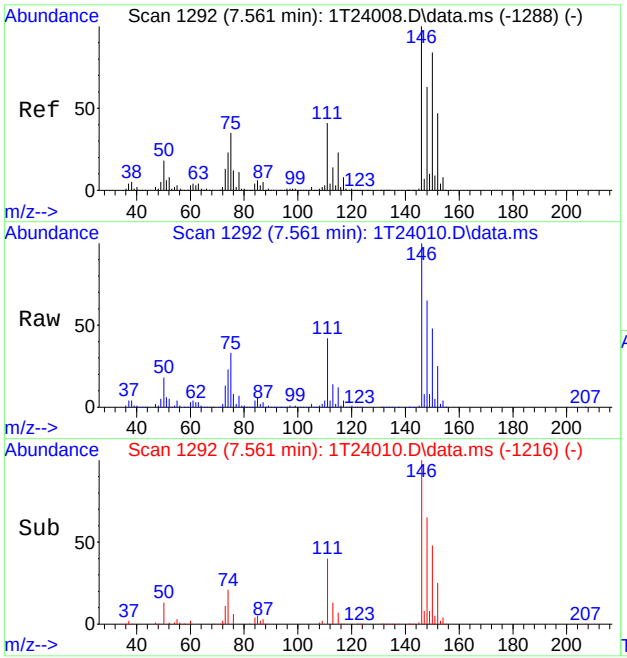


#110
p-isopropyltoluene
Concen: 128.33 ug/L
RT: 7.488 min Scan# 1278
Delta R.T. -0.005 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion:119 Resp: 1928915

Ion	Ratio	Lower	Upper
119	100		
134	25.2	0.0	56.8
91	25.7	0.0	52.2

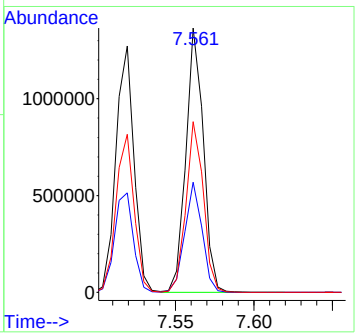


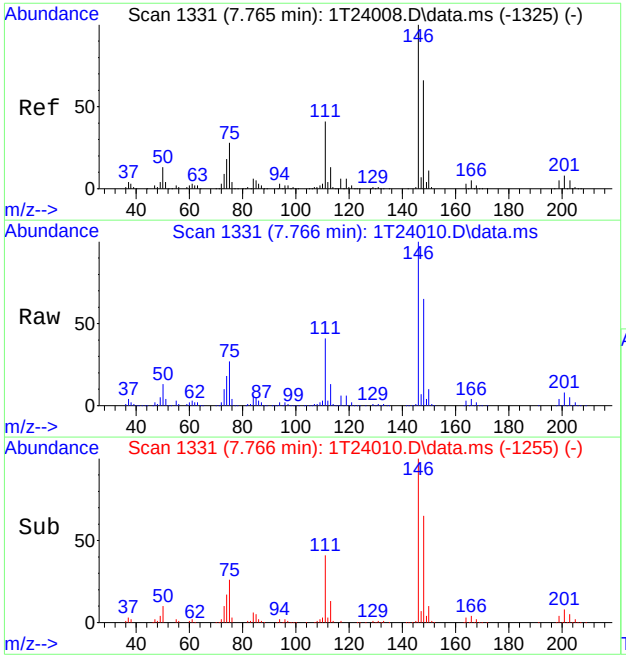


#111
1,4-dichlorobenzene
Concen: 99.02 ug/L
RT: 7.561 min Scan# 1292
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion:146 Resp: 1056316

Ion	Ratio	Lower	Upper
146	100		
111	41.7	10.8	70.8
148	64.6	33.2	93.2

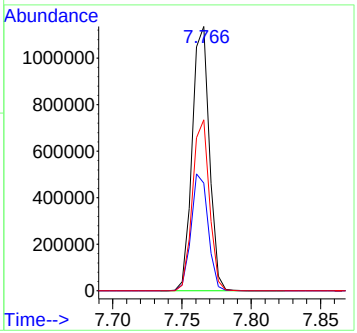


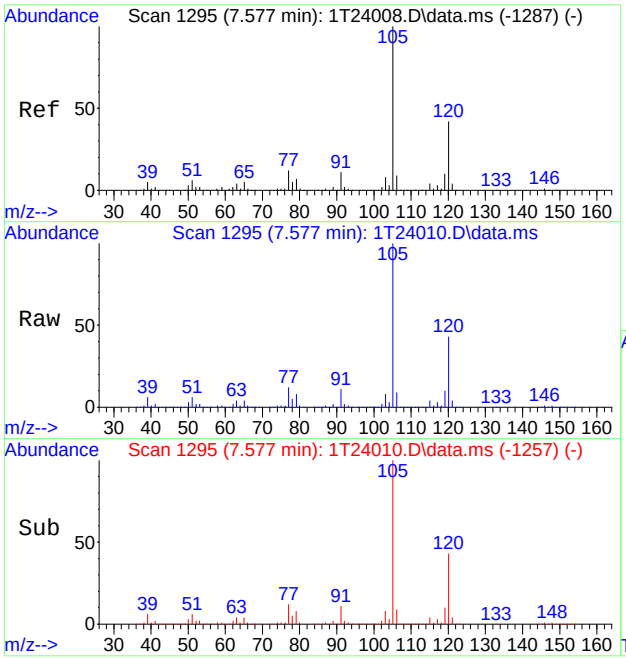


#112
1,2-dichlorobenzene
Concen: 102.81 ug/L
RT: 7.766 min Scan# 1331
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion:146 Resp: 979864

Ion	Ratio	Lower	Upper
146	100		
111	40.7	11.3	71.3
148	64.7	36.2	96.2

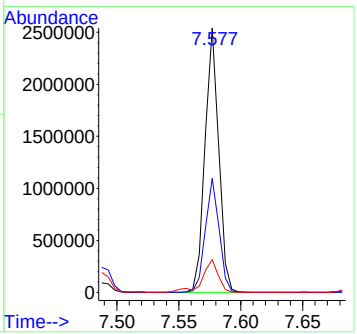


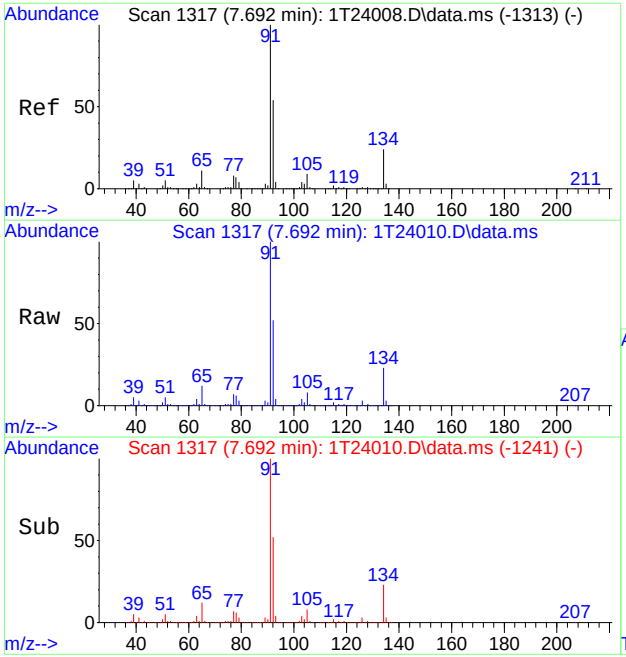


#113
1,2,3-trimethylbenzene
Concen: 107.85 ug/L
RT: 7.577 min Scan# 1295
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion:105 Resp: 1964599

Ion	Ratio	Lower	Upper
105	100		
120	43.2	12.2	72.2
77	12.4	0.0	41.7

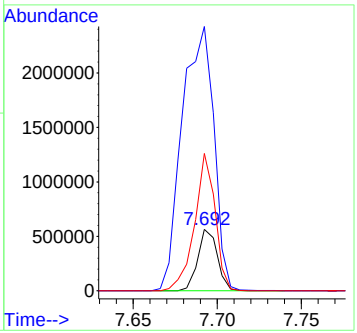


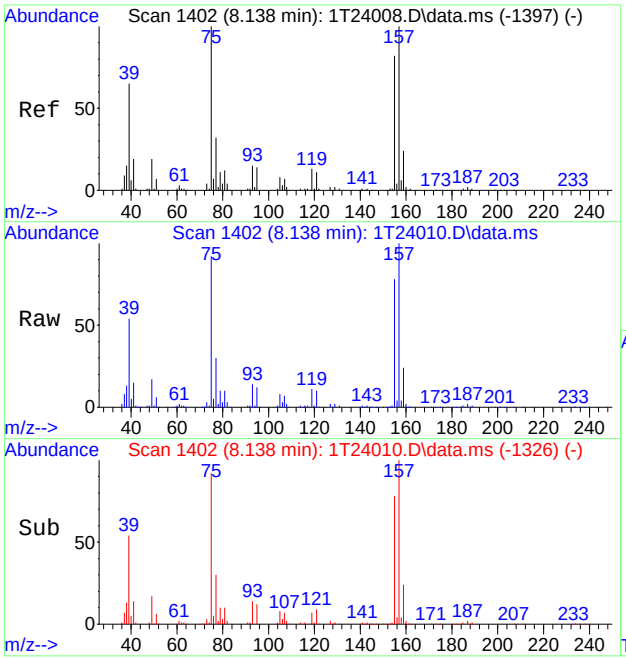


#114
n-butylbenzene
Concen: 124.32 ug/L
RT: 7.692 min Scan# 1317
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion:134 Resp: 453917

Ion	Ratio	Lower	Upper
134	100		
91	431.1	429.9	489.9
92	224.1	199.0	259.0

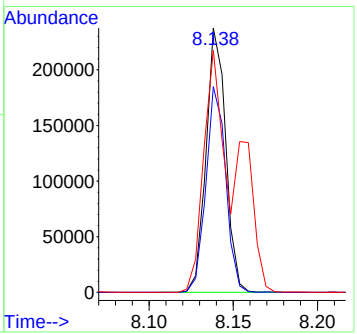


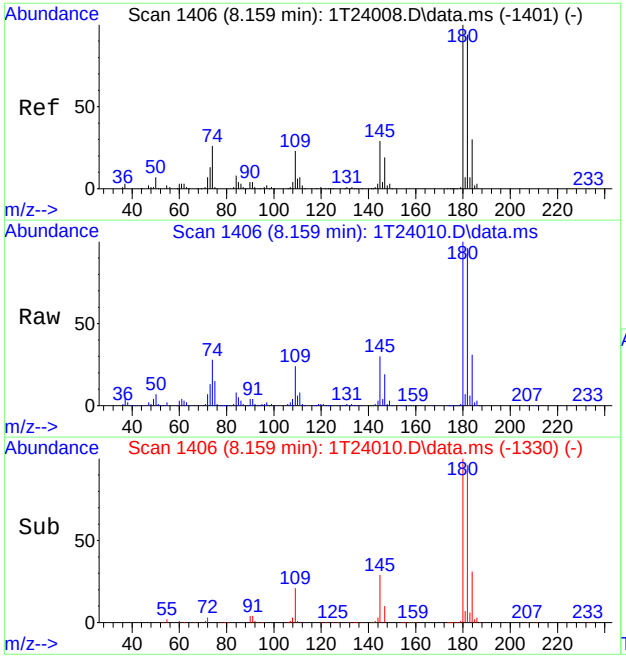


#115
1,2-dibromo-3-chloropropane
Concen: 100.41 ug/L
RT: 8.138 min Scan# 1402
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion:157 Resp: 194133

Ion	Ratio	Lower	Upper
157	100		
155	77.8	51.9	111.9
75	91.6	70.0	130.0

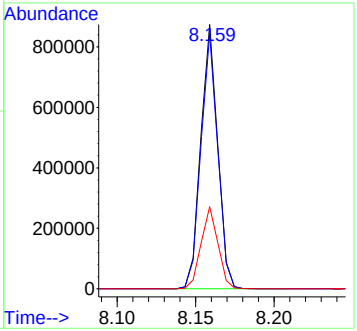


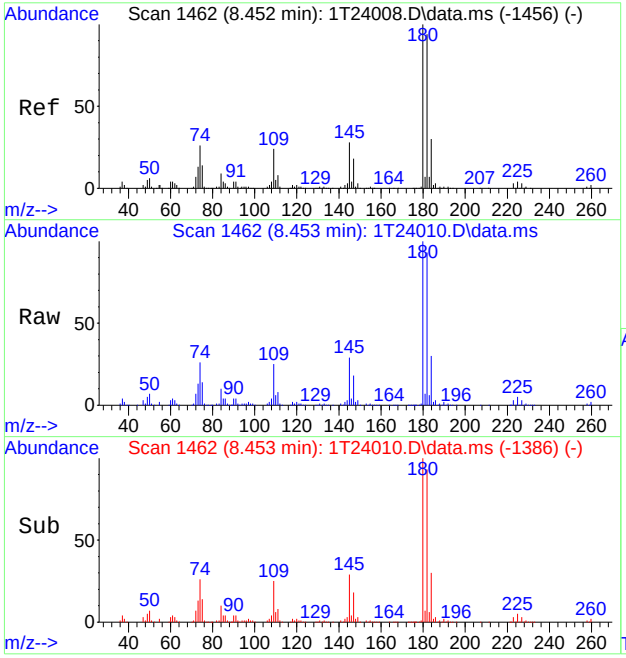


#116
1,3,5-trichlorobenzene
Concen: 105.85 ug/L
RT: 8.159 min Scan# 1406
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion:180 Resp: 656966

Ion	Ratio	Lower	Upper
180	100		
182	96.4	73.5	113.5
184	31.0	10.1	50.1

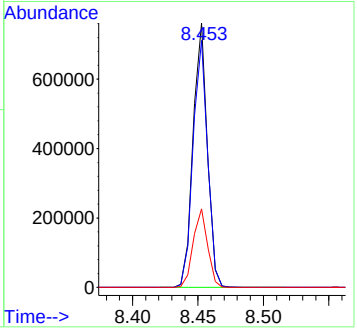


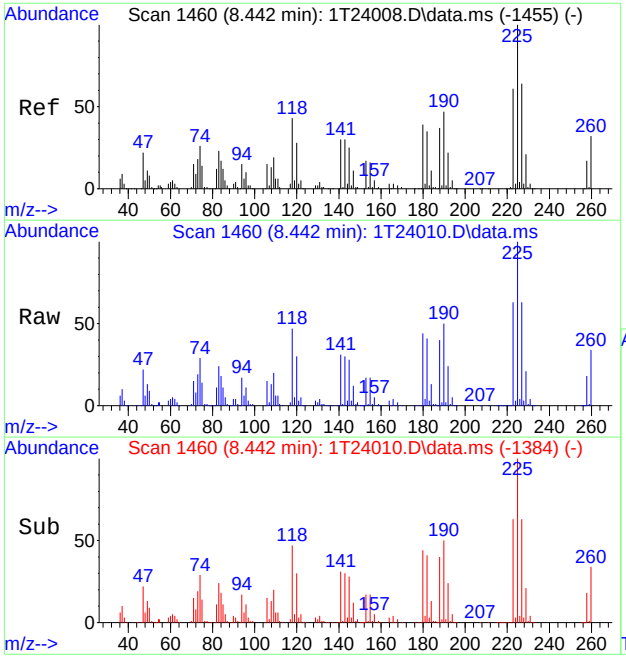


#117
1,2,4-trichlorobenzene
Concen: 108.48 ug/L
RT: 8.453 min Scan# 1462
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion:180 Resp: 577221

Ion	Ratio	Lower	Upper
180	100		
182	93.4	64.0	124.0
184	29.7	0.0	59.7

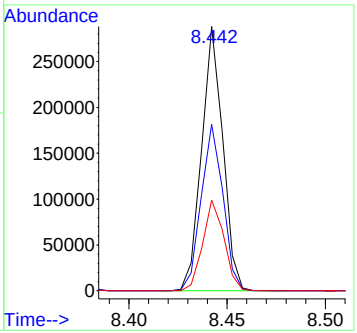


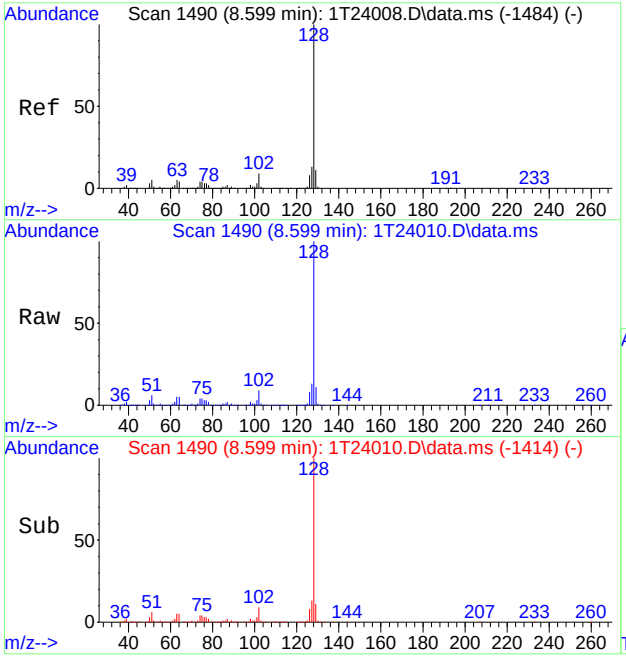


#118
hexachlorobutadiene
Concen: 93.99 ug/L
RT: 8.442 min Scan# 1460
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion:225 Resp: 217834

Ion	Ratio	Lower	Upper
225	100		
227	63.0	34.1	94.1
260	34.4	1.5	61.5

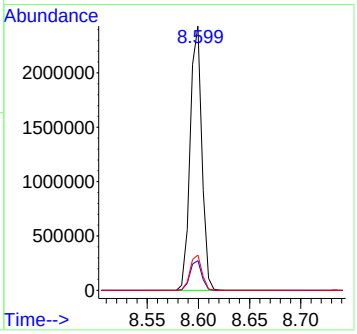


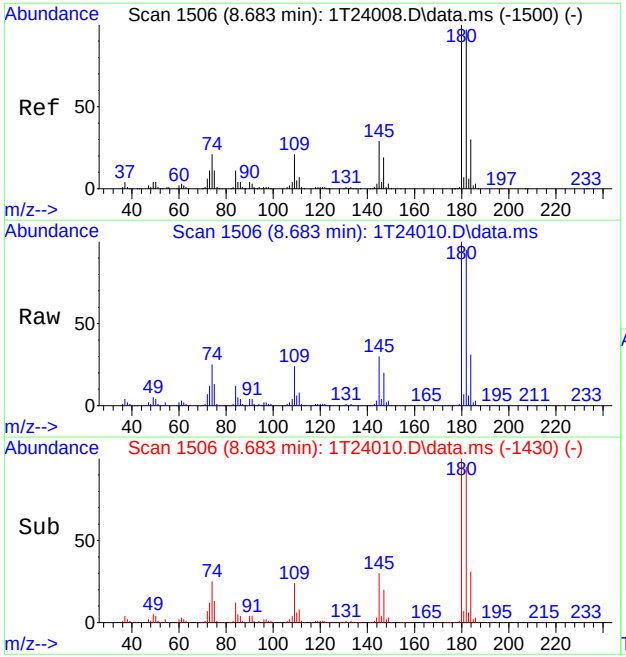


#119
naphthalene
Concen: 124.36 ug/L
RT: 8.599 min Scan# 1490
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion:128 Resp: 1941797

Ion	Ratio	Lower	Upper
128	100		
129	11.3	0.0	40.7
127	13.4	0.0	43.4

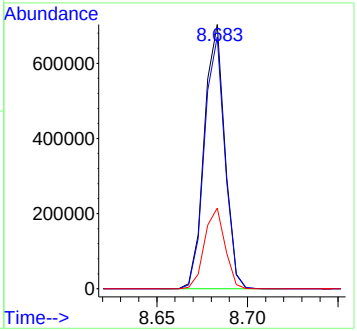


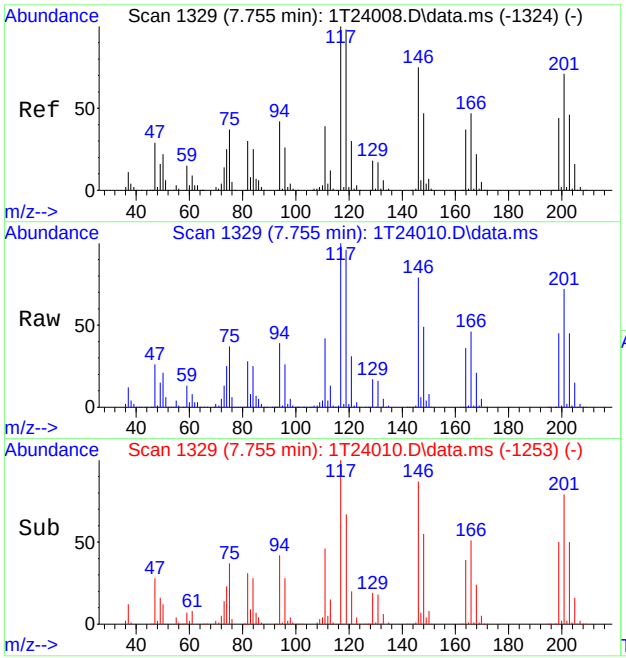


#120
1,2,3-trichlorobenzene
Concen: 109.75 ug/L
RT: 8.683 min Scan# 1506
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion:180 Resp: 553327

Ion	Ratio	Lower	Upper
180	100		
182	95.3	66.5	126.5
184	30.6	0.0	59.6

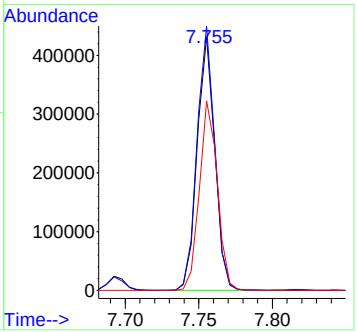


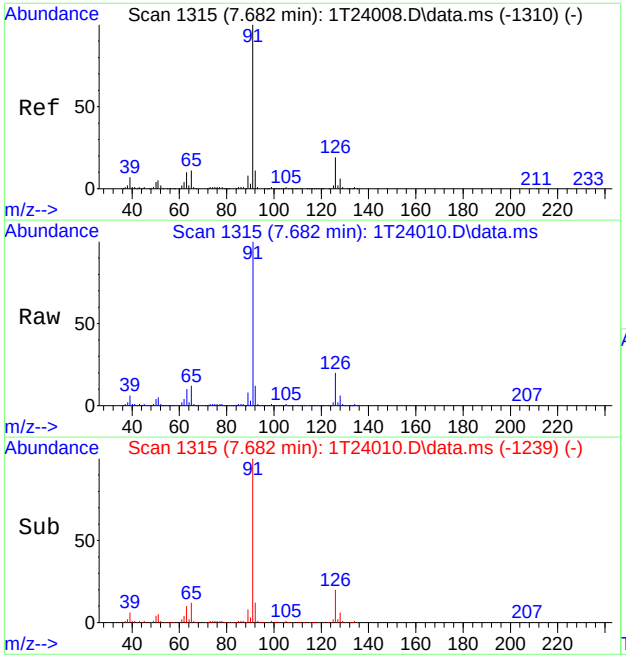


#121
hexachloroethane
Concen: 118.98 ug/L
RT: 7.755 min Scan# 1329
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion:119 Resp: 358640

Ion	Ratio	Lower	Upper
119	100		
117	104.3	71.7	131.7
201	74.8	42.0	102.0

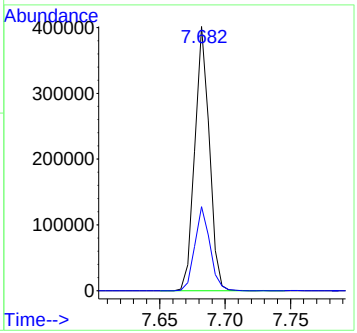


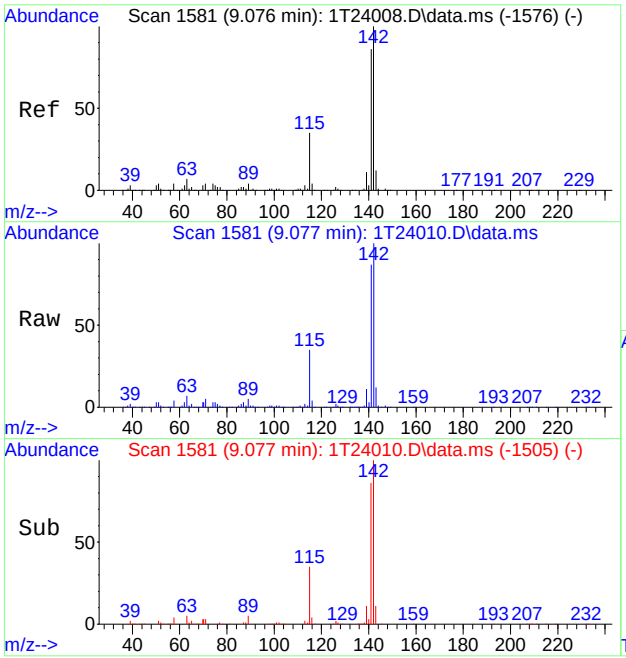


#122
benzyl chloride
Concen: 122.03 ug/L
RT: 7.682 min Scan# 1315
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion:126 Resp: 311010

Ion	Ratio	Lower	Upper
126	100		
128	31.8	1.7	61.7

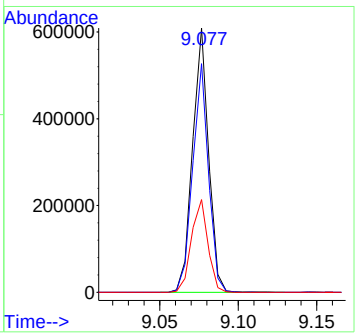




#123
2-methylnaphthalene
Concen: 69.62 ug/L
RT: 9.077 min Scan# 1581
Delta R.T. 0.000 min
Lab File: 1T24010.D
Acq: 18 Sep 2025 01:57 pm

Tgt Ion:142 Resp: 432297

Ion	Ratio	Lower	Upper
142	100		
141	86.5	55.9	115.9
115	35.1	5.4	65.4



Manual Integration Approval Summary

Sample Number: V1T579-IC579
Lab FileID: 1T24010.D
Injection Time: 09/18/25 13:57

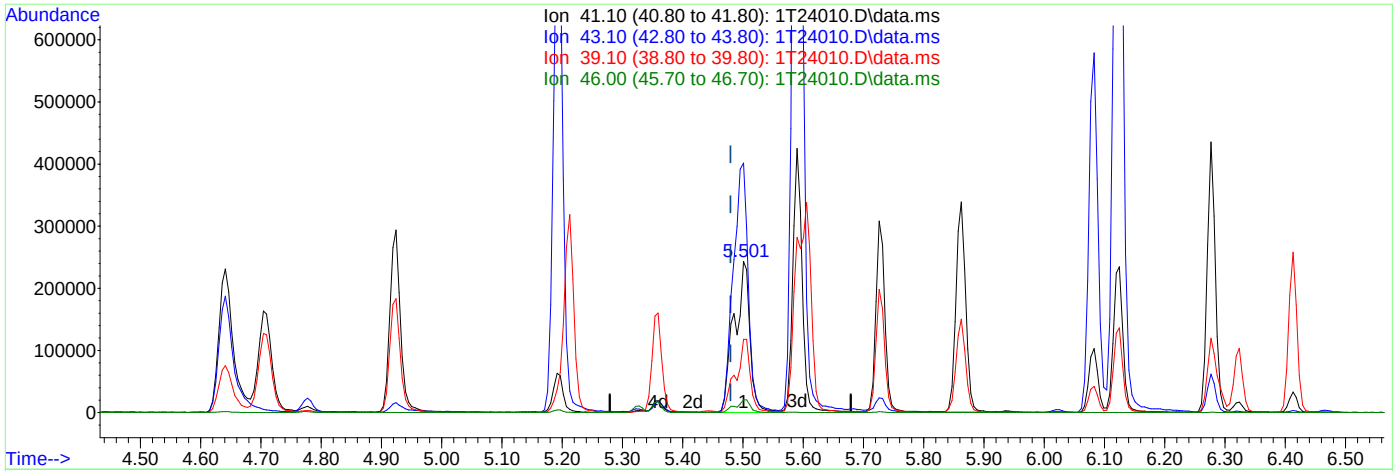
Method: SW846 8260D
Analyst approved: 09/19/25 12:39 MoHui Huang
Supervisor approved: 09/19/25 18:04 Kanya Veerawat

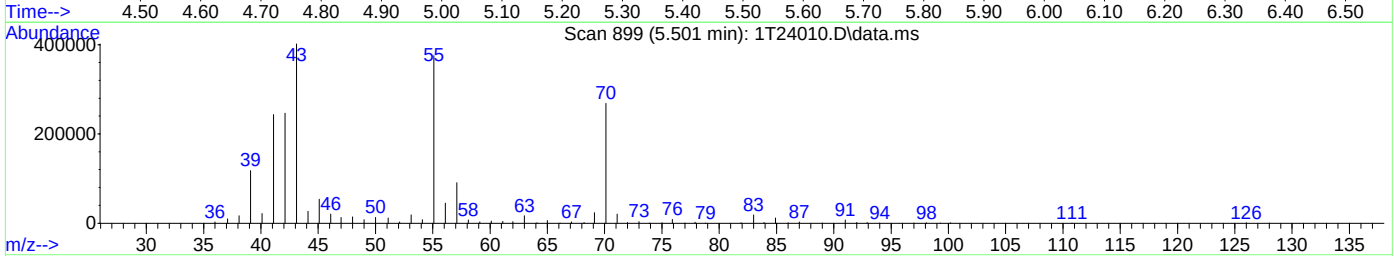
Parameter	CAS	Sig#	R.T. (min.)	Reason
2-Nitropropane	79-46-9		5.49	Overlapping peak

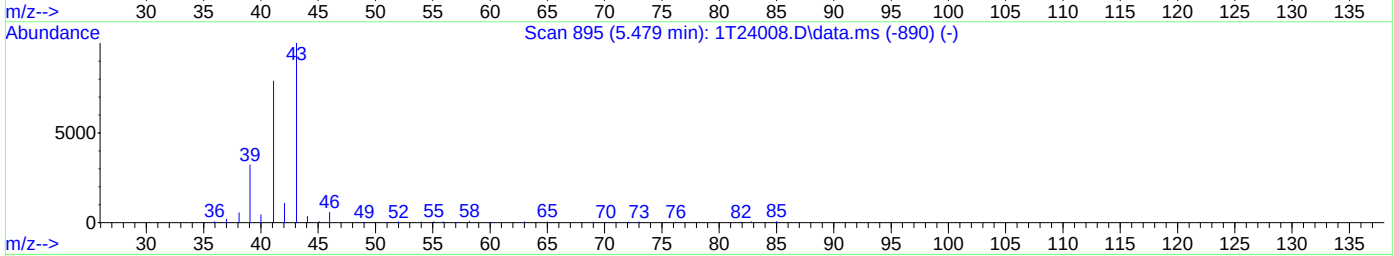
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\Initials\VT579\
Data File : 1T24010.D
Acq On : 18 Sep 2025 01:57 pm
Operator : edwardd
Sample : ic579-100
Misc : MS96870,V1T0579,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 19 10:56:38 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 10:19:08 2025
Response via : Initial Calibration







TIC: 1T24010.D\data.ms

(61) 2-nitropropane

5.501min (+0.021) 309.40ug/L

response 439208

Ion	Exp%	Act%
41.10	100	100
43.10	126.20	165.42#
39.10	41.90	48.00
46.00	7.20	8.38

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VT579\
Data File : 1T24012.D
Acq On : 18 Sep 2025 02:24 pm
Operator : edwardd
Sample : ic579-200
Misc : MS96870,V1T0579,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 19 11:55:49 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 10:19:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	1.993	65	417238	500.00	ug/L	0.00
5) pentafluorobenzene	3.734	168	784379	50.00	ug/L	0.00
50) 1,4-difluorobenzene	4.311	114	1365576	50.00	ug/L	0.00
72) chlorobenzene-d5	6.287	117	1187310	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	7.556	152	574261	50.00	ug/L	0.00
124) pentafluorobenzene(a)	3.734	168	784379	50.00	ug/L	0.00
132) 1,4-dichlorobenzene-d4(a)	7.556	152	574261	50.00	ug/L	0.00
System Monitoring Compounds						
42) dibromofluoromethane (s)	3.188	113	442651	47.47	ug/L	0.00
Spiked Amount 50.000	Range 75 - 127		Recovery = 94.94%			
51) 1,2-dichloroethane-d4 (s)	3.744	65	488112	47.60	ug/L	0.00
Spiked Amount 50.000	Range 75 - 130		Recovery = 95.20%			
73) toluene-d8 (s)	5.328	98	1527663	47.20	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 94.40%			
97) 4-bromofluorobenzene (s)	6.984	95	569732	54.08	ug/L	0.00
Spiked Amount 50.000	Range 79 - 127		Recovery = 108.16%			
Target Compounds						Qvalue
2) ethanol	1.474	45	701090	7607.1750	ug/L	93
3) tertiary butyl alcohol	2.040	59	688783	892.0040	ug/L	96
4) 1,4-dioxane	4.924	88	190048	3670.9451	ug/L	97
6) chlorodifluoromethane	0.897	51	1059129	170.3213	ug/L	98
7) dichlorodifluoromethane	0.876	85	1420635	192.9170	ug/L	98
8) chloromethane	0.965	50	818248	187.3911	ug/L	96
9) vinyl chloride	1.002	62	1140950	192.5072	ug/L	98
10) 1,3-butadiene	1.007	39	688615	166.0033	ug/L	96
11) bromomethane	1.144	96	852230	253.2576	ug/L #	97
12) chloroethane	1.201	64	978165	181.4619	ug/L	97
13) trichlorofluoromethane	1.264	101	2522207	190.1743	ug/L	100
14) ethyl ether	1.406	74	667548	216.5908	ug/L	99
15) acrolein	1.678	56	239862	205.1580	ug/L	99
16) freon 113	1.526	151	858107	204.2625	ug/L	96
17) 1,1-dichloroethene	1.505	61	1567522	181.7520	ug/L	98
18) acetone	1.841	58	536955	721.4203	ug/L	94
19) acetonitrile	2.129	41	1158355	1684.3566	ug/L	99
21) carbon disulfide	1.532	76	2853005	173.1299	ug/L	99
22) methylene chloride	1.815	84	1084036	172.5450	ug/L	99
23) methyl acetate	1.914	74	251063	216.8252	ug/L #	66
25) trans-1,2-dichloroethene	1.909	96	1118492	191.6353	ug/L	96
26) hexane	1.967	57	1787535	245.2065	ug/L	98
27) di-isopropyl ether	2.239	45	2393663	252.6813	ug/L	97
29) 2-butanone	3.314	72	769505	1151.1184	ug/L	100
30) 1,1-dichloroethane	2.318	63	1762234	201.9945	ug/L	100
31) chloroprene	2.302	53	1507690	243.4370	ug/L	97
32) acrylonitrile	2.350	52	385557	225.0195	ug/L	96
33) vinyl acetate	2.512	86	288903	289.4197	ug/L #	92
34) ethyl acetate	3.147	70	168406	269.2077	ug/L	95
35) 2,2-dichloropropane	2.842	77	1647579	233.9058	ug/L	100
36) cis-1,2-dichloroethene	2.748	96	1068842	209.9718	ug/L	99
37) propionitrile	3.618	54	1903291	2073.4040	ug/L	99
38) methyl acrylate	3.147	85	230628	275.4419	ug/L #	85
39) bromochloromethane	2.926	128	490688	187.6406	ug/L	98
40) tetrahydrofuran	3.152	71	195660	264.9702	ug/L	97
41) chloroform	3.005	47	416089	170.6132	ug/L	95
43) methacrylonitrile	3.645	67	532386	262.5712	ug/L	89
44) 1,1,1-trichloroethane	3.199	97	1756499	220.2637	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VT579\
Data File : 1T24012.D
Acq On : 18 Sep 2025 02:24 pm
Operator : edwardd
Sample : ic579-200
Misc : MS96870,V1T0579,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 19 11:55:49 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 10:19:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
45) cyclohexane	2.937	84	1491603	254.4161 ug/L	99
47) carbon tetrachloride	3.136	117	1591685	226.4397 ug/L	96
48) isobutyl alcohol	3.943	43	417020	2200.2883 ug/L	99
49) tert-amyl alcohol	4.048	55	286742	1116.9849 ug/L	89
52) iso-octane	3.472	57	2493301	248.4030 ug/L	97
53) benzene	3.597	78	3863771	218.1982 ug/L	99
54) tert-amyl methyl ether	3.776	73	2919251	253.9606 ug/L	96
55) heptane	3.613	57	451416	229.1102 ug/L	98
56) isopropyl acetate	4.195	87	308726	271.0753 ug/L #	91
57) 1,2-dichloroethane	3.823	62	1470335	187.8923 ug/L	100
58) n-butyl alcohol	4.641	56	1427084	9620.6585 ug/L	97
59) ethyl acrylate	4.777	55	1373632	252.1823 ug/L	99
60) trichloroethene	4.269	130	1141059	239.7092 ug/L	95
61) 2-nitropropane	5.485	41	443325	270.9200 ug/L	84
63) methyl methacrylate	4.924	100	344554	257.6792 ug/L	91
64) 1,2-dichloropropane	4.709	63	985404	218.1274 ug/L	98
65) methylcyclohexane	4.258	98	827908	251.4086 ug/L #	97
66) dibromomethane	4.625	93	732980	189.0827 ug/L	96
67) bromodichloromethane	4.777	83	1547805	214.2540 ug/L	97
68) epichlorohydrin	5.364	57	742956	1127.5707 ug/L	99
69) cis-1,3-dichloropropene	5.212	75	1764992	259.4679 ug/L	99
70) 4-methyl-2-pentanone	5.590	58	1877608	952.6495 ug/L	91
71) 3-methyl-1-butanol	5.506	70	707824	4295.3534 ug/L	97
74) toluene	5.359	92	2448060	194.0415 ug/L	95
75) ethyl methacrylate	5.731	69	1246060	236.6013 ug/L	95
76) trans-1,3-dichloropropene	5.611	75	1731598	238.2263 ug/L	98
77) 1,1,2-trichloroethane	5.700	83	828710	222.6111 ug/L	97
78) tetrachloroethene	5.579	166	1076805	205.7217 ug/L	97
79) 2-hexanone	6.125	58	1859823	962.8015 ug/L	95
80) 1,3-dichloropropane	5.862	76	1685580	221.9366 ug/L	99
81) butyl acetate	6.083	56	643982	248.9496 ug/L	97
82) dibromochloromethane	5.805	129	1256294	222.6486 ug/L	99
83) 1,2-dibromoethane	5.941	107	1078392	219.6521 ug/L	99
84) n-butyl ether	6.282	57	3623909	221.5380 ug/L	96
85) chlorobenzene	6.298	112	2798482	191.2536 ug/L	96
86) 1,1,1,2-tetrachloroethane	6.340	131	1099193	220.0308 ug/L	99
87) ethylbenzene	6.324	91	4581271	195.9561 ug/L	96
88) m,p-xylene	6.418	106	3684471	411.0818 ug/L	84
89) o-xylene	6.659	106	1796221	217.8351 ug/L	98
90) styrene	6.691	104	3079405	233.6587 ug/L	94
91) bromoform	6.696	173	938851	217.9565 ug/L	99
92) butyl acrylate	6.780	55	1873649	243.6760 ug/L	98
93) n-amyl acetate	6.922	70	784476	239.7078 ug/L	98
94) isopropylbenzene	6.843	105	4526232	215.5214 ug/L	95
95) cis-1,4-dichloro-2-butene	7.021	88	607364	242.4207 ug/L	96
98) bromobenzene	7.037	156	1148325	204.5346 ug/L	97
99) 1,1,2,2-tetrachloroethane	7.100	83	1431954	207.2326 ug/L	99
100) trans-1,4-dichloro-2-b...	7.189	53	408263	233.4544 ug/L	89
101) 1,2,3-trichloropropane	7.163	110	520149	212.2762 ug/L	98
102) n-propylbenzene	7.063	91	5151310	207.7426 ug/L	95
103) 2-chlorotoluene	7.137	126	1090008	216.9775 ug/L	98
104) 4-chlorotoluene	7.226	91	3307913	210.7211 ug/L	94
105) 1,3,5-trimethylbenzene	7.168	105	3830127	224.9979 ug/L	96
106) tert-butylbenzene	7.331	119	3159617	236.0358 ug/L	95
107) 1,2,4-trimethylbenzene	7.362	105	3901785	227.1503 ug/L	98
108) sec-butylbenzene	7.420	105	4419274	229.8499 ug/L	96
109) 1,3-dichlorobenzene	7.519	146	2146168	205.4111 ug/L	96
110) p-isopropyltoluene	7.493	119	3926189	237.9004 ug/L	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VT579\
Data File : 1T24012.D
Acq On : 18 Sep 2025 02:24 pm
Operator : edwardd
Sample : ic579-200
Misc : MS96870,V1T0579,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 19 11:55:49 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 10:19:08 2025
Response via : Initial Calibration

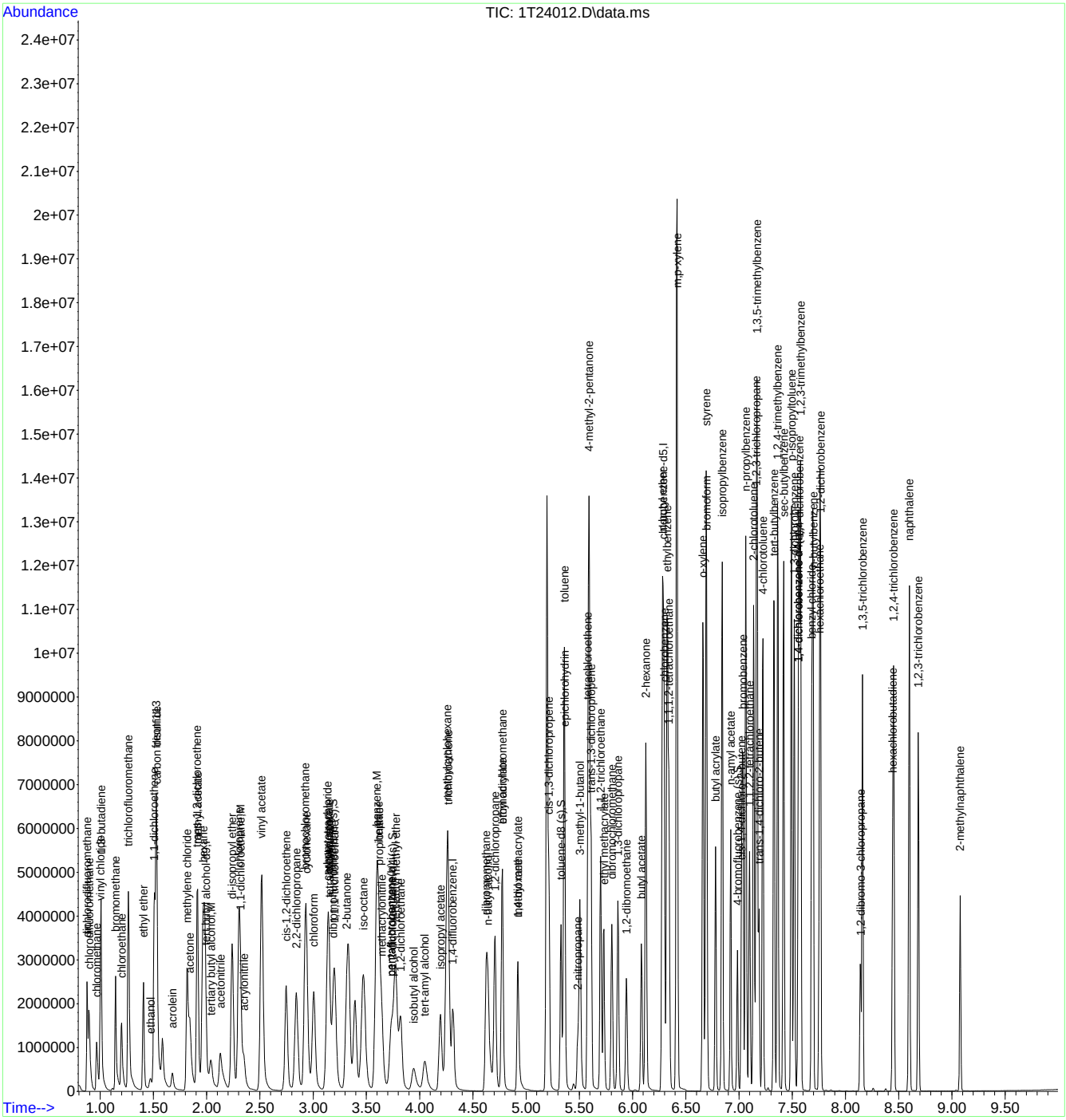
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
111) 1,4-dichlorobenzene	7.566	146	2198117	194.5958	ug/L		97
112) 1,2-dichlorobenzene	7.766	146	2063442	203.4631	ug/L		98
113) 1,2,3-trimethylbenzene	7.577	105	3999620	205.0457	ug/L		95
114) n-butylbenzene	7.698	134	944426	236.7363	ug/L	#	60
115) 1,2-dibromo-3-chloropr...	8.143	157	417674	203.6267	ug/L		82
116) 1,3,5-trichlorobenzene	8.159	180	1403554	211.7017	ug/L		98
117) 1,2,4-trichlorobenzene	8.453	180	1243766	218.1136	ug/L		97
118) hexachlorobutadiene	8.442	225	462913	189.7769	ug/L		99
119) naphthalene	8.599	128	3999756	234.4341	ug/L		96
120) 1,2,3-trichlorobenzene	8.683	180	1168343	215.8969	ug/L		100
121) hexachloroethane	7.755	119	807685	246.8293	ug/L		97
122) benzyl chloride	7.682	126	682944	245.9354	ug/L		99
123) 2-methylnaphthalene	9.076	142	985198	142.6295	ug/L		98

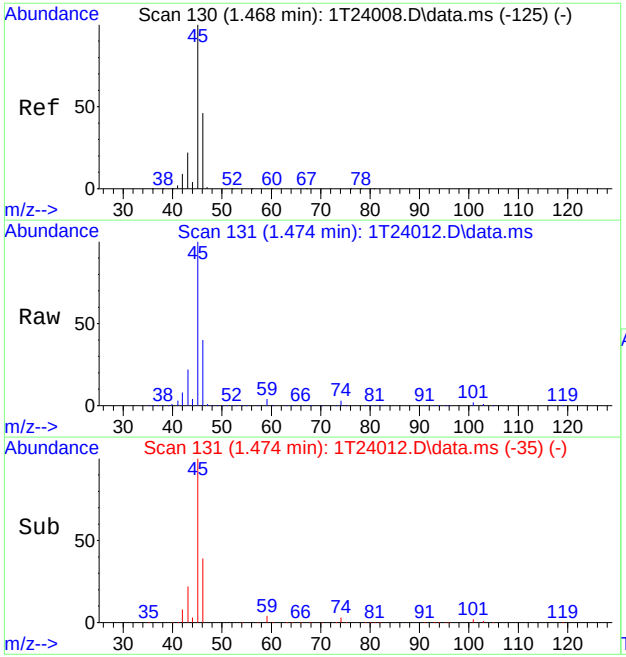
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VT579\
Data File : 1T24012.D
Acq On : 18 Sep 2025 02:24 pm
Operator : edwardd
Sample : ic579-200
Misc : MS96870,V1T0579,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 19 11:55:49 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 10:19:08 2025
Response via : Initial Calibration

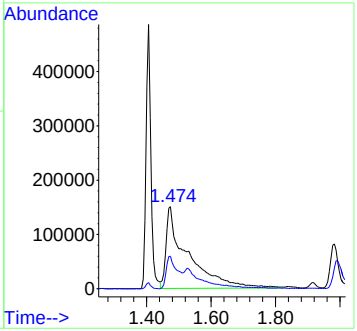


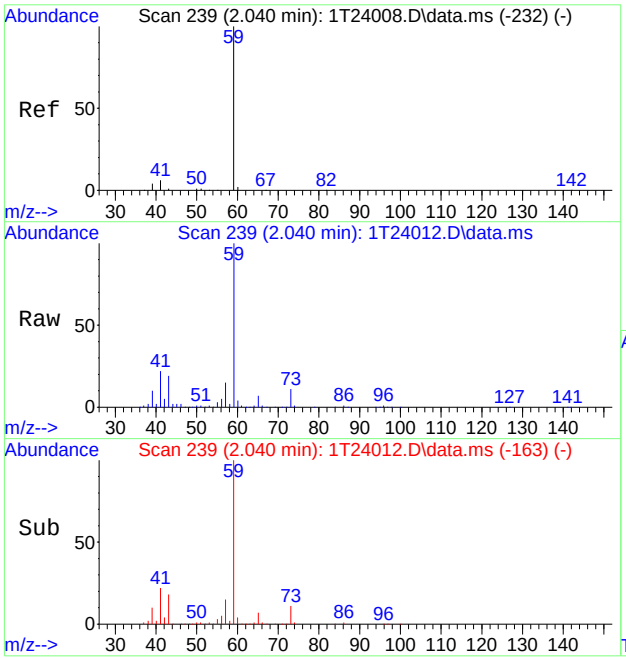


#2
ethanol
Concen: 7607.18 ug/L
RT: 1.474 min Scan# 131
Delta R.T. 0.006 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion: 45 Resp: 701090

Ion	Ratio	Lower	Upper
45	100		
46	40.1	24.5	64.5

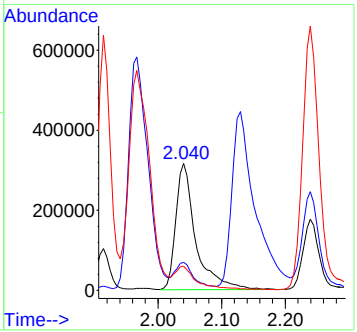


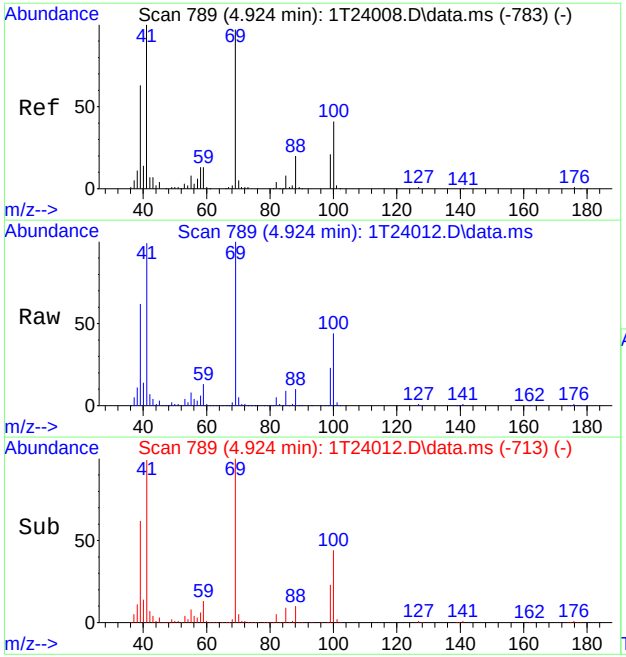


#3
tertiary butyl alcohol
Concen: 892.00 ug/L
RT: 2.040 min Scan# 239
Delta R.T. 0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion: 59 Resp: 688783

Ion	Ratio	Lower	Upper
59	100		
41	9.4	0.0	43.1
43	18.2	0.0	48.5

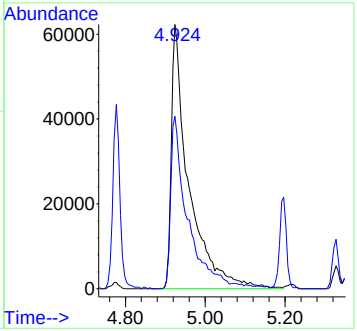


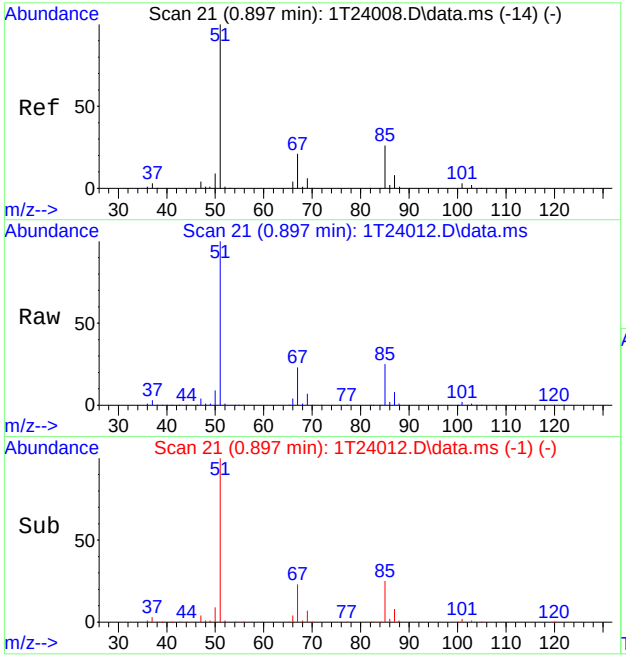


#4
1,4-dioxane
Concen: 3670.95 ug/L
RT: 4.924 min Scan# 789
Delta R.T. 0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion: 88 Resp: 190048

Ion	Ratio	Lower	Upper
88	100		
58	65.0	43.0	83.0

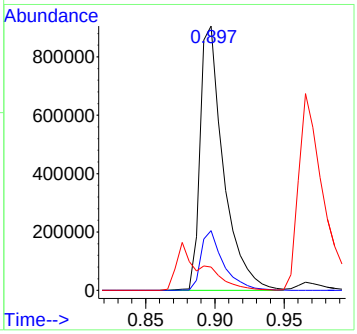


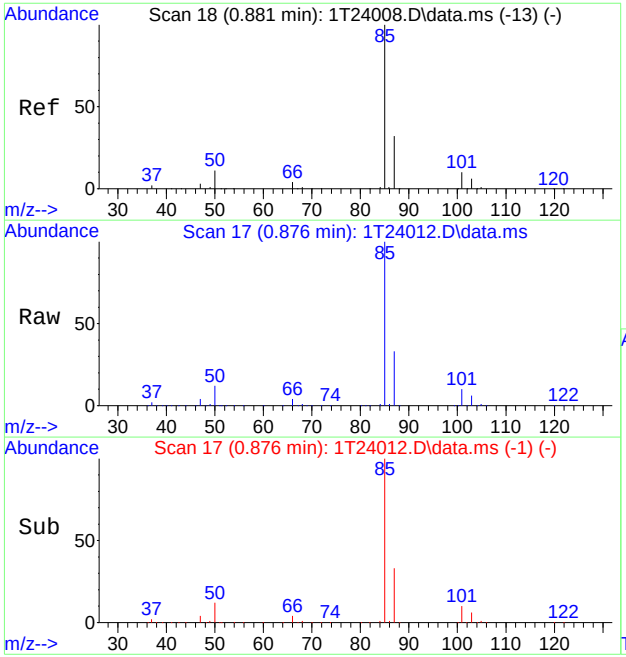


#6
chlorodifluoromethane
Concen: 170.32 ug/L
RT: 0.897 min Scan# 21
Delta R.T. 0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion: 51 Resp: 1059129

Ion	Ratio	Lower	Upper
51	100		
67	22.6	0.0	51.0
50	8.8	0.0	38.8

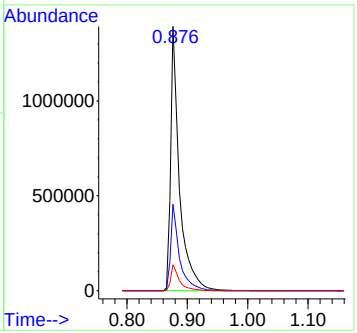


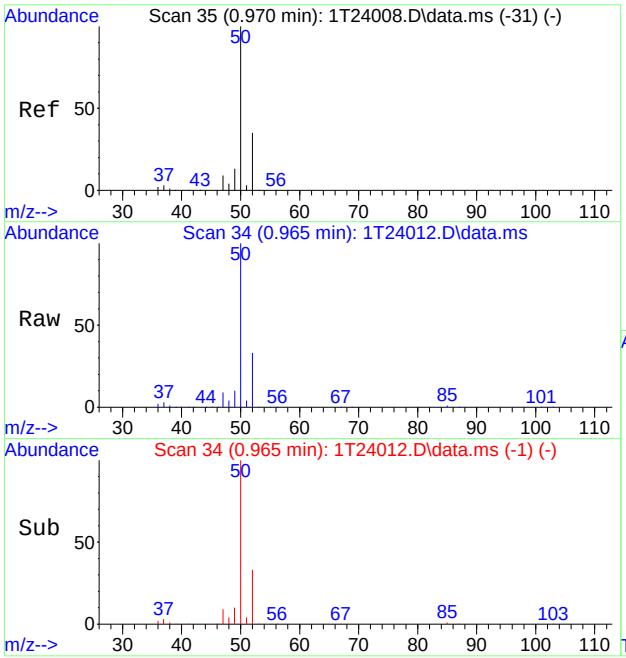


#7
dichlorodifluoromethane
Concen: 192.92 ug/L
RT: 0.876 min Scan# 17
Delta R.T. -0.005 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion: 85 Resp: 1420635

Ion	Ratio	Lower	Upper
85	100		
87	32.7	1.6	61.6
101	9.9	0.0	39.6

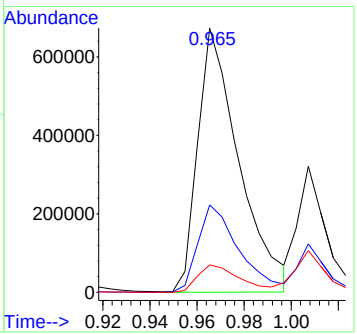


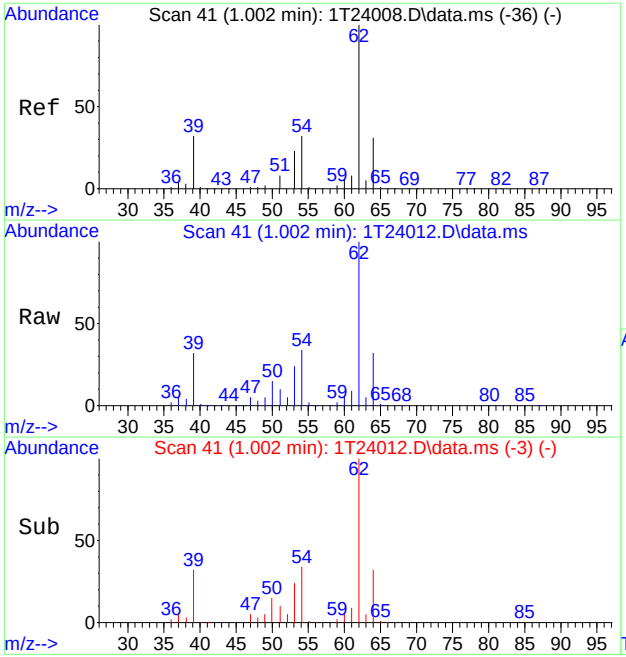


#8
chloromethane
Concen: 187.39 ug/L
RT: 0.965 min Scan# 34
Delta R.T. -0.005 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion: 50 Resp: 818248

Ion	Ratio	Lower	Upper
50	100		
52	33.1	5.4	65.4
49	10.4	0.0	42.5

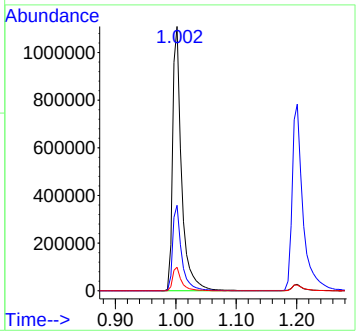


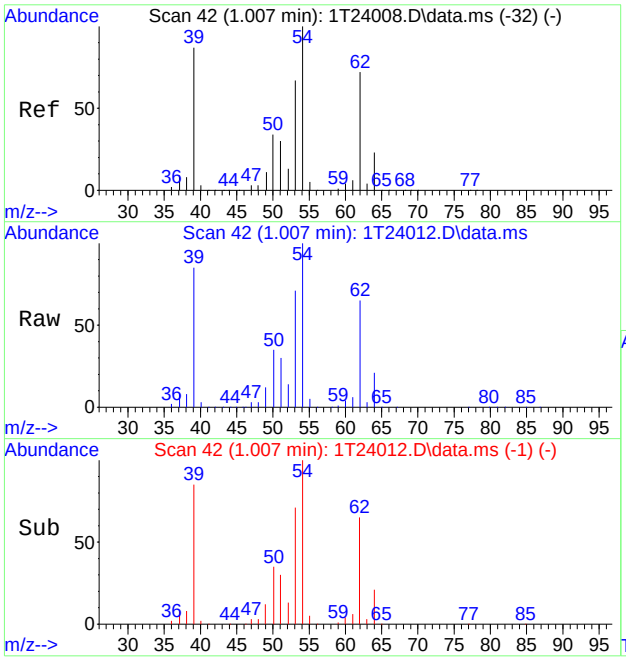


#9
vinyl chloride
Concen: 192.51 ug/L
RT: 1.002 min Scan# 41
Delta R.T. 0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion: 62 Resp: 1140950

Ion	Ratio	Lower	Upper
62	100		
64	32.4	1.5	61.5
61	8.9	0.0	38.2

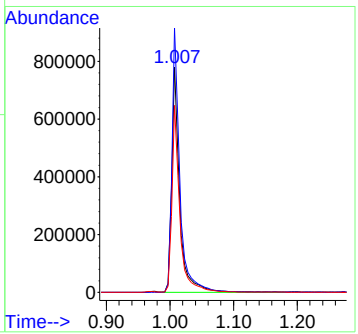


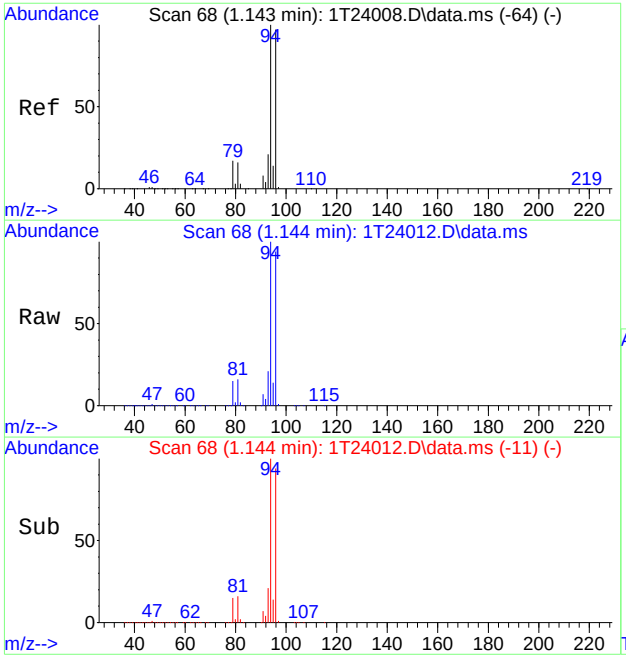


#10
1,3-butadiene
Concen: 166.00 ug/L
RT: 1.007 min Scan# 42
Delta R.T. 0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion: 39 Resp: 688615

Ion	Ratio	Lower	Upper
39	100		
54	117.4	84.6	144.6
53	82.9	47.3	107.3

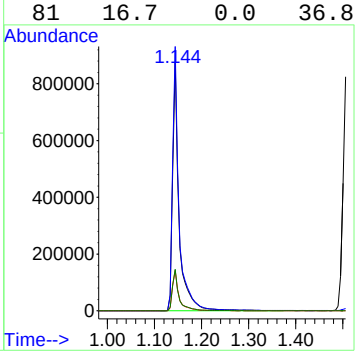


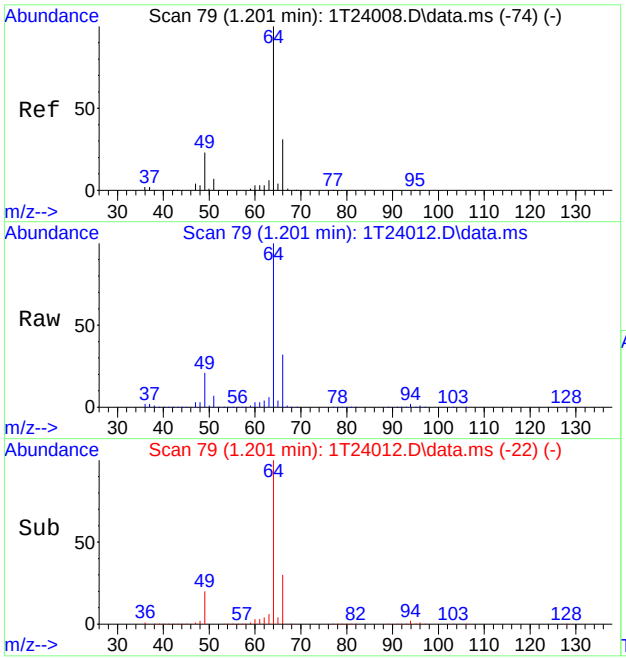


#11
bromomethane
Concen: 253.26 ug/L
RT: 1.144 min Scan# 68
Delta R.T. 0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion: 96 Resp: 852230

Ion	Ratio	Lower	Upper
96	100		
94	106.4	73.2	133.2
79	16.3	17.3	17.3#
81	16.7	0.0	36.8

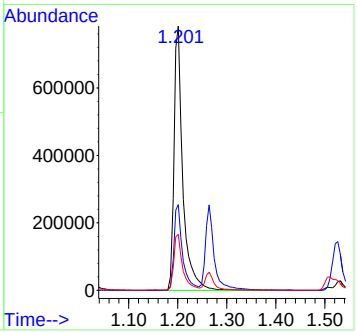


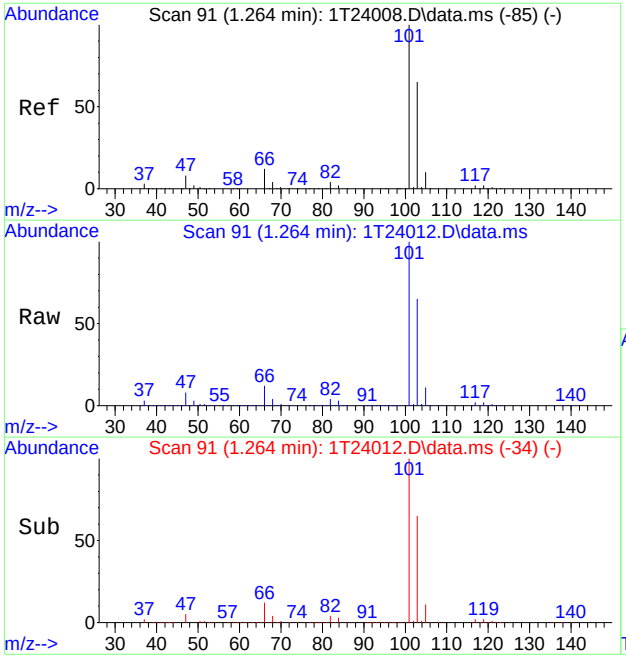


#12
chloroethane
Concen: 181.46 ug/L
RT: 1.201 min Scan# 79
Delta R.T. 0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion: 64 Resp: 978165

Ion	Ratio	Lower	Upper
64	100		
66	32.4	0.9	60.9
49	21.1	0.0	52.7

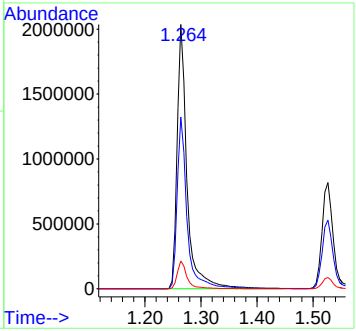


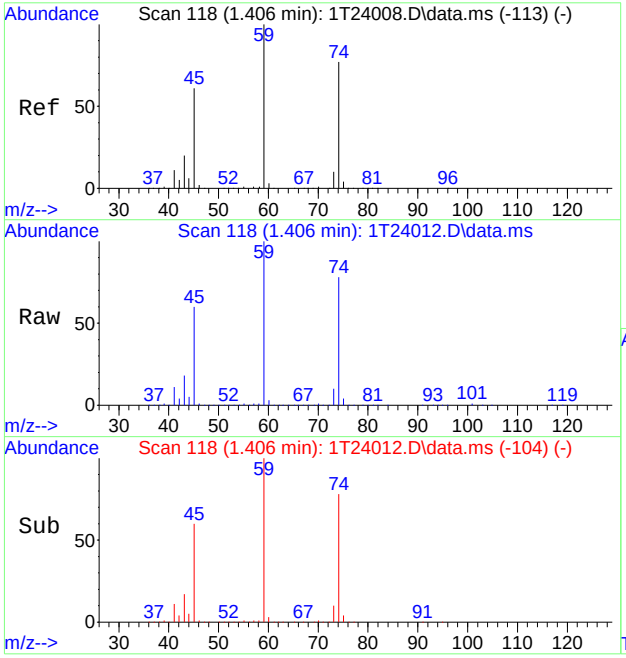


#13
trichlorofluoromethane
Concen: 190.17 ug/L
RT: 1.264 min Scan# 91
Delta R.T. 0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion:101 Resp: 2522207

Ion	Ratio	Lower	Upper
101	100		
103	65.0	34.8	94.8
105	10.5	0.0	40.0

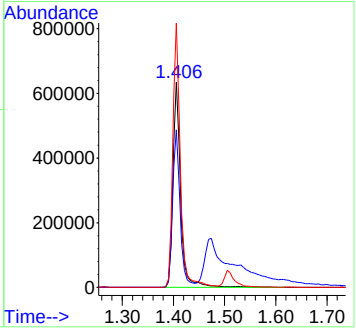


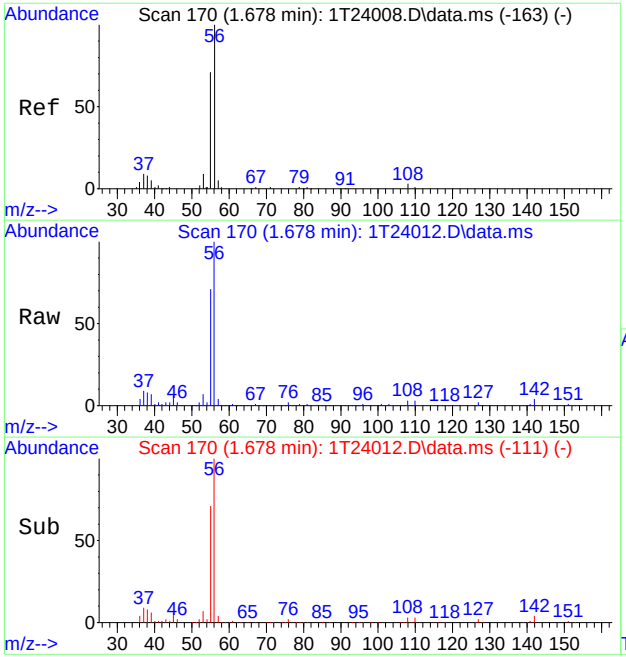


#14
ethyl ether
Concen: 216.59 ug/L
RT: 1.406 min Scan# 118
Delta R.T. 0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion: 74 Resp: 667548

Ion	Ratio	Lower	Upper
74	100		
45	76.7	48.9	108.9
59	128.9	99.2	159.2

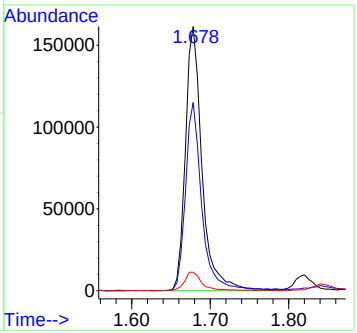


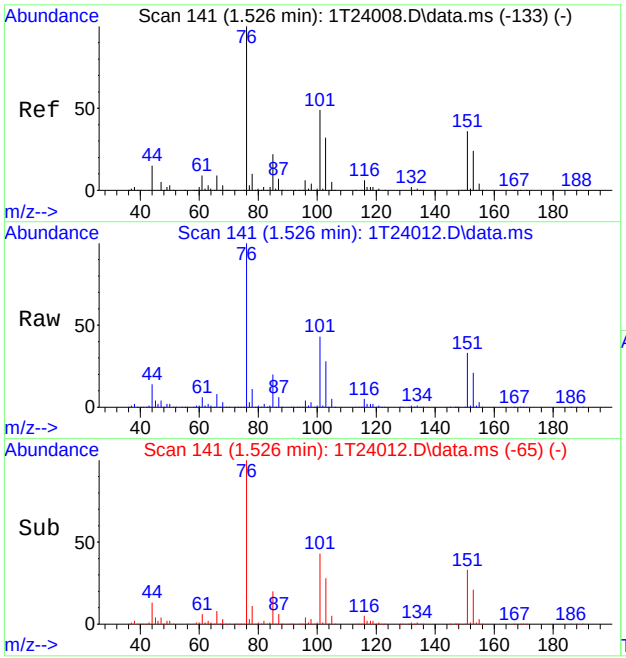


#15
acrolein
Concen: 205.16 ug/L
RT: 1.678 min Scan# 170
Delta R.T. 0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion: 56 Resp: 239862

Ion	Ratio	Lower	Upper
56	100		
55	71.1	41.3	101.3
53	7.0	0.0	38.7

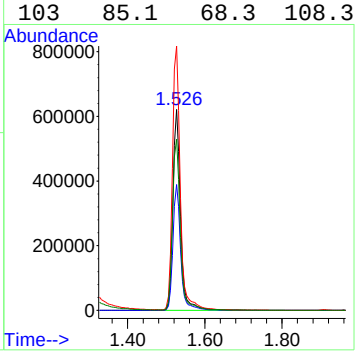


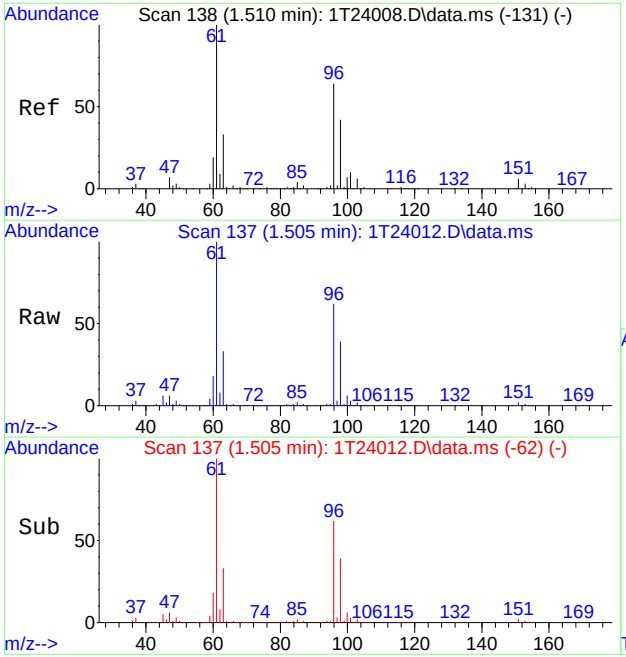


#16
freon 113
Concen: 204.26 ug/L
RT: 1.526 min Scan# 141
Delta R.T. 0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion:151 Resp: 858107

Ion	Ratio	Lower	Upper
151	100		
153	62.7	46.1	86.1
101	131.4	116.7	156.7
103	85.1	68.3	108.3

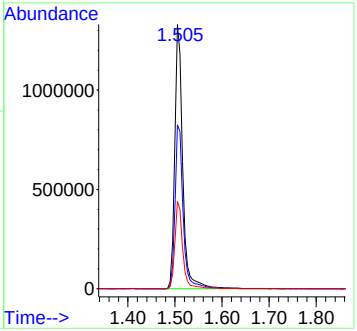


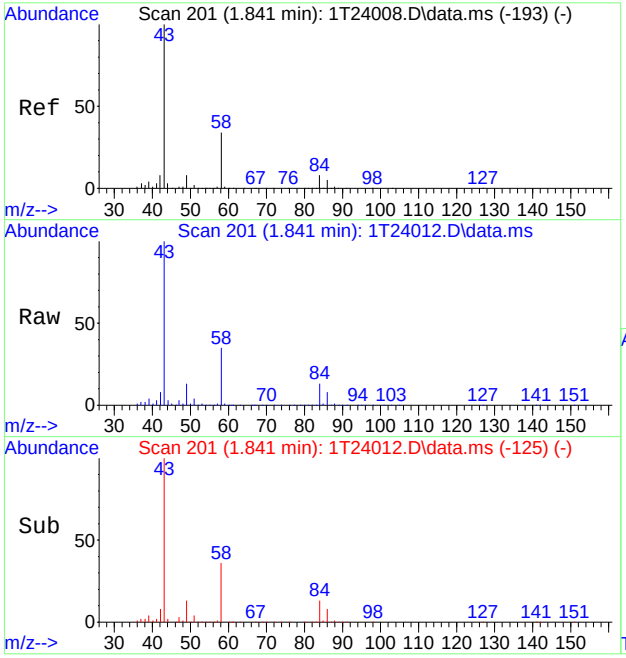


#17
1,1-dichloroethene
Concen: 181.75 ug/L
RT: 1.505 min Scan# 137
Delta R.T. -0.005 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion: 61 Resp: 1567522

Ion	Ratio	Lower	Upper
61	100		
96	61.9	33.7	93.7
63	33.1	2.8	62.8

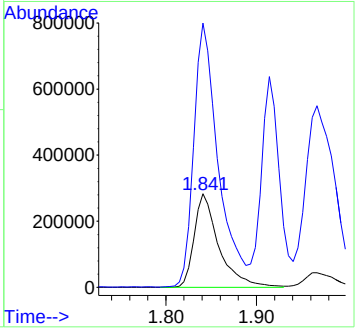


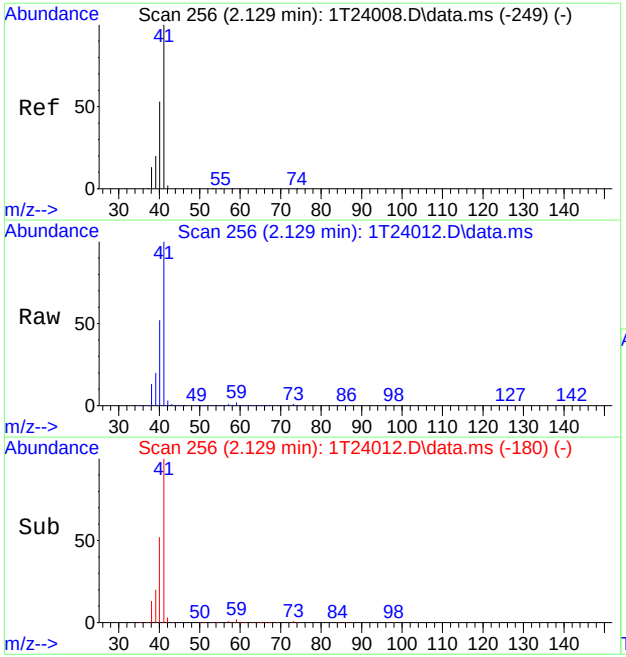


#18
acetone
Concen: 721.42 ug/L
RT: 1.841 min Scan# 201
Delta R.T. 0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion: 58 Resp: 536955

Ion	Ratio	Lower	Upper
58	100		
43	282.0	263.8	323.8

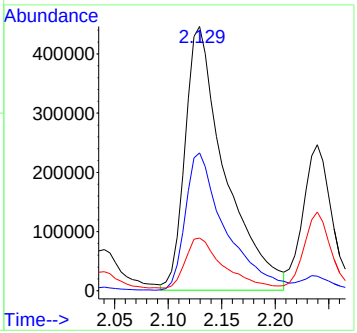


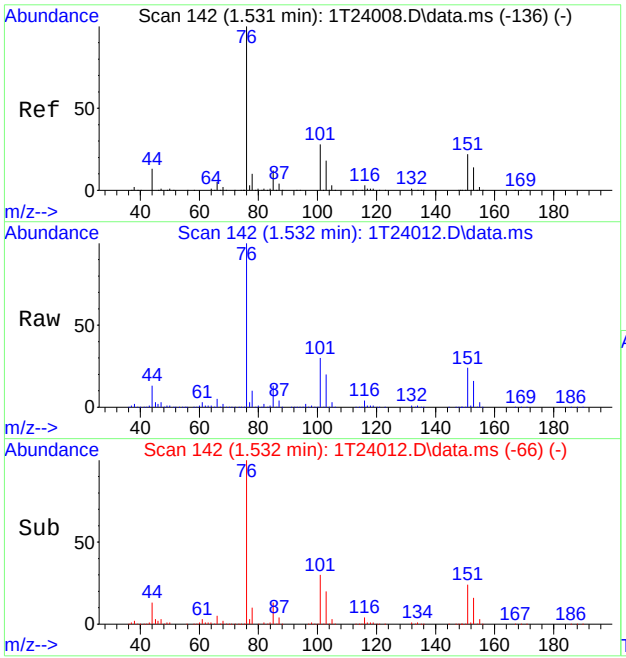


#19
acetonitrile
Concen: 1684.36 ug/L
RT: 2.129 min Scan# 256
Delta R.T. 0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion: 41 Resp: 1158355

Ion	Ratio	Lower	Upper
41	100		
40	53.0	23.2	83.2
39	19.2	0.0	49.8

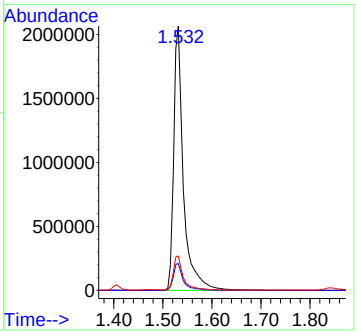


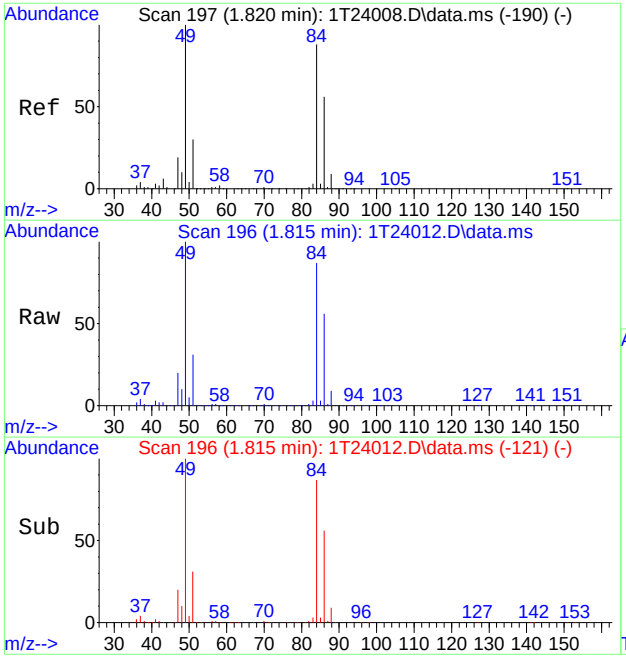


#21
carbon disulfide
Concen: 173.13 ug/L
RT: 1.532 min Scan# 142
Delta R.T. 0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion: 76 Resp: 2853005

Ion	Ratio	Lower	Upper
76	100		
78	10.2	0.0	40.0
44	13.0	0.0	43.4

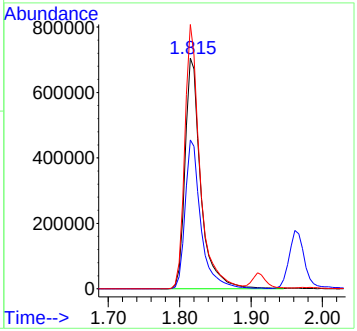


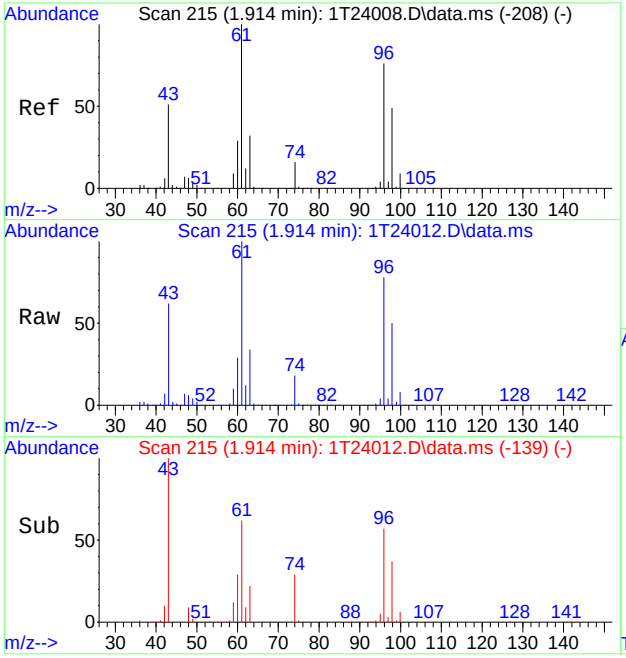


#22
methylene chloride
Concen: 172.54 ug/L
RT: 1.815 min Scan# 196
Delta R.T. -0.005 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion: 84 Resp: 1084036

Ion	Ratio	Lower	Upper
84	100		
86	64.5	34.2	94.2
49	114.6	84.0	144.0

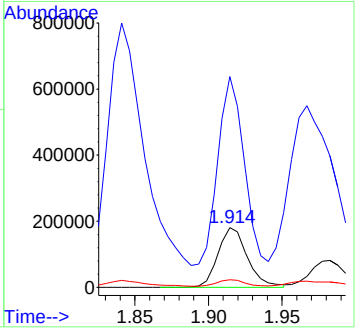


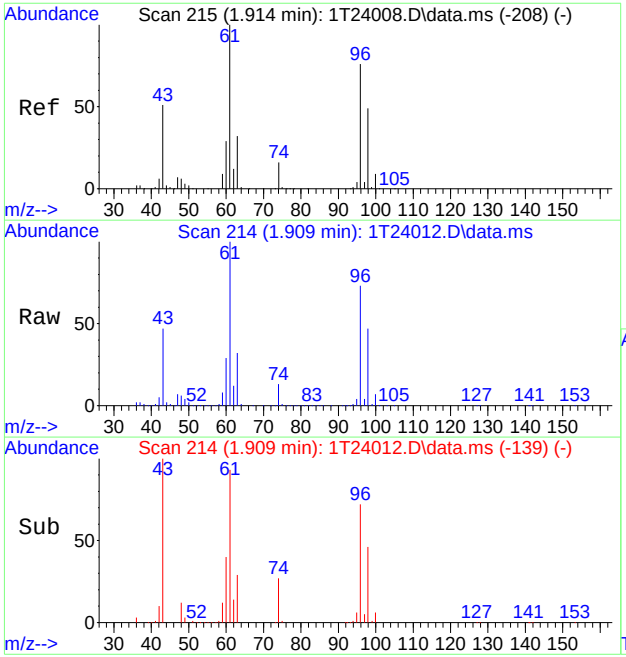


#23
methyl acetate
Concen: 216.83 ug/L
RT: 1.914 min Scan# 215
Delta R.T. 0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion: 74 Resp: 251063

Ion	Ratio	Lower	Upper
74	100		
43	242.5	282.8	342.8#
44	9.2	0.0	42.2

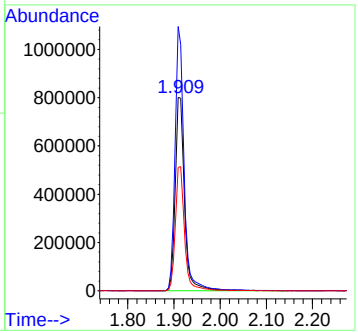


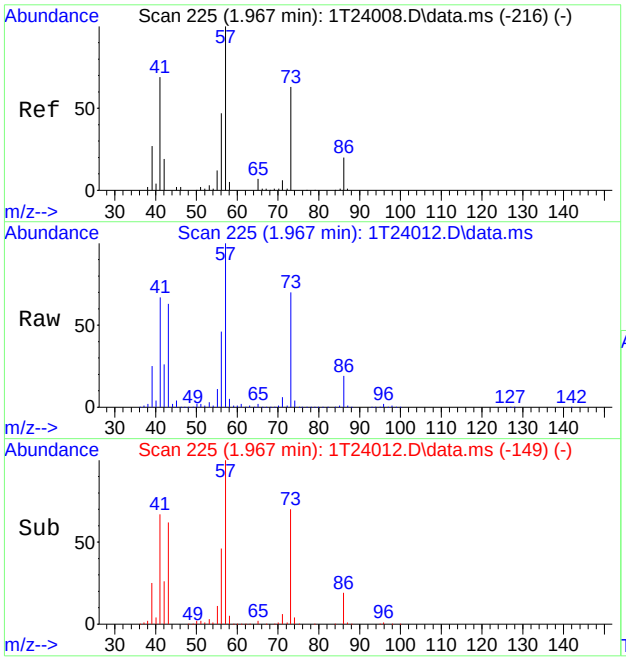


#25
trans-1,2-dichloroethene
Concen: 191.64 ug/L
RT: 1.909 min Scan# 214
Delta R.T. -0.005 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion: 96 Resp: 1118492

Ion	Ratio	Lower	Upper
96	100		
61	136.8	101.0	161.0
98	63.8	34.5	94.5

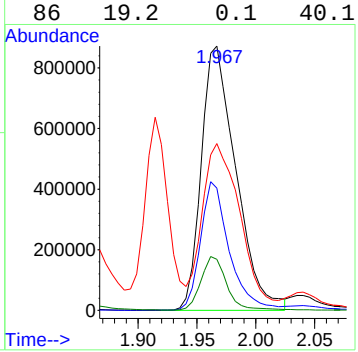


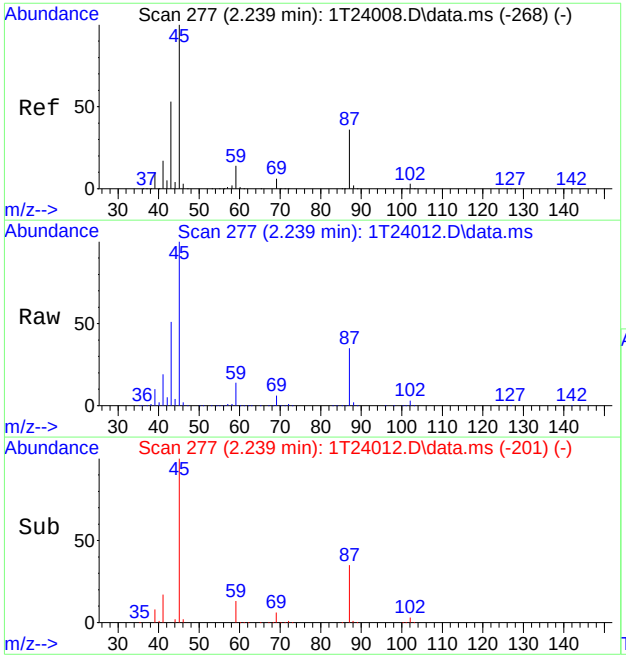


#26
hexane
Concen: 245.21 ug/L
RT: 1.967 min Scan# 225
Delta R.T. -0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion: 57 Resp: 1787535

Ion	Ratio	Lower	Upper
57	100		
56	46.2	27.2	67.2
43	58.5	37.1	77.1
86	19.2	0.1	40.1

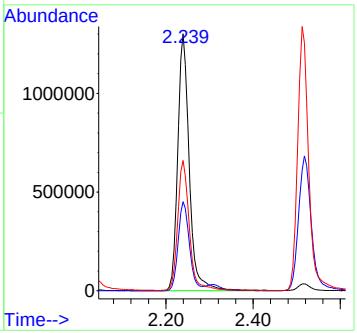


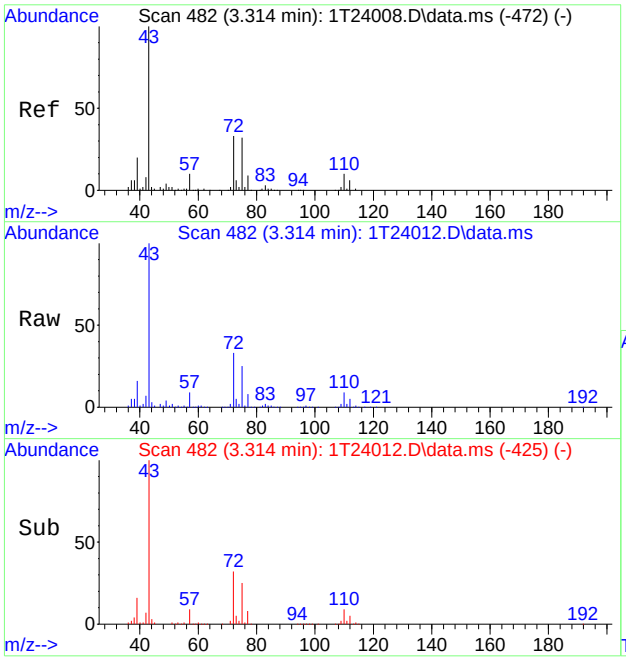


#27
di-isopropyl ether
Concen: 252.68 ug/L
RT: 2.239 min Scan# 277
Delta R.T. 0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion: 45 Resp: 2393663

Ion	Ratio	Lower	Upper
45	100		
87	34.7	6.3	66.3
43	50.6	23.0	83.0

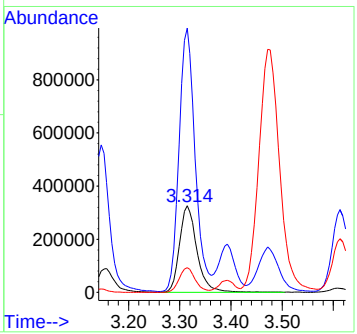


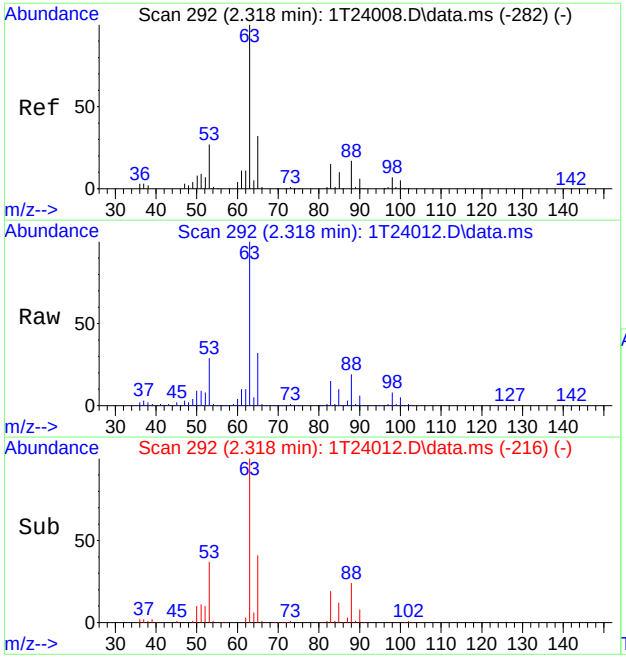


#29
2-butanone
Concen: 1151.12 ug/L
RT: 3.314 min Scan# 482
Delta R.T. 0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion: 72 Resp: 769505

Ion	Ratio	Lower	Upper
72	100		
43	304.5	273.9	333.9
57	28.4	0.0	58.9

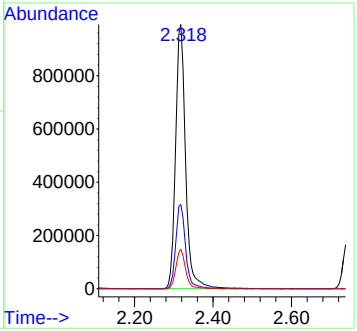


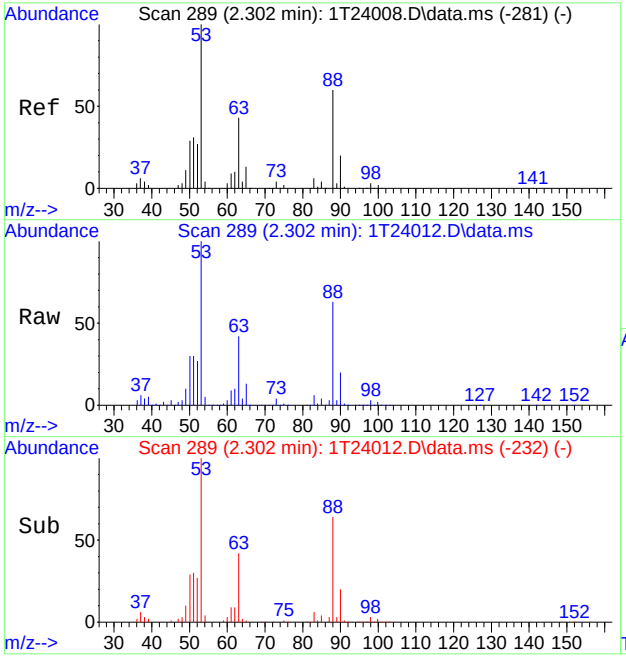


#30
1,1-dichloroethane
Concen: 201.99 ug/L
RT: 2.318 min Scan# 292
Delta R.T. 0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion: 63 Resp: 1762234

Ion	Ratio	Lower	Upper
63	100		
65	31.9	2.0	62.0
83	14.9	0.0	45.2

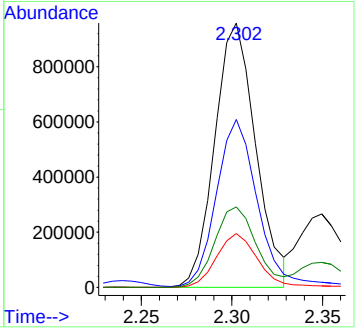


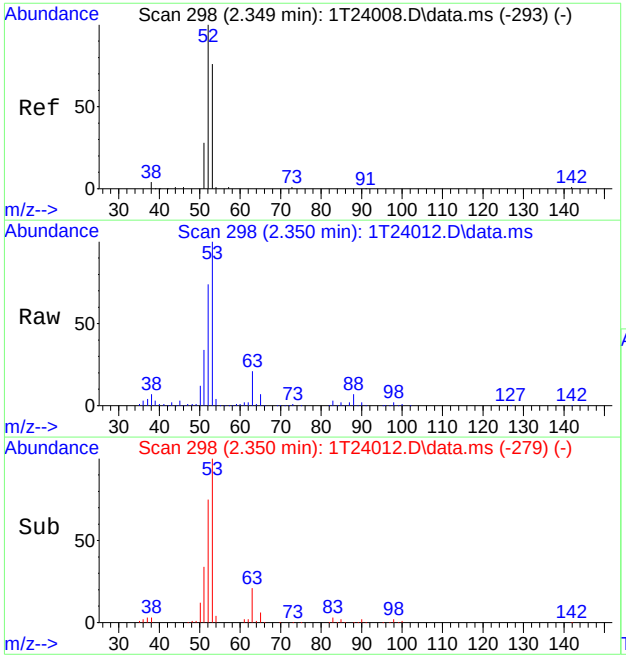


#31
chloroprene
Concen: 243.44 ug/L
RT: 2.302 min Scan# 289
Delta R.T. 0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion: 53 Resp: 1507690

Ion	Ratio	Lower	Upper
53	100		
88	63.0	29.5	89.5
90	20.4	0.0	49.7
51	30.4	0.7	60.7

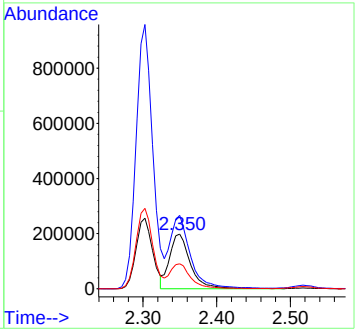


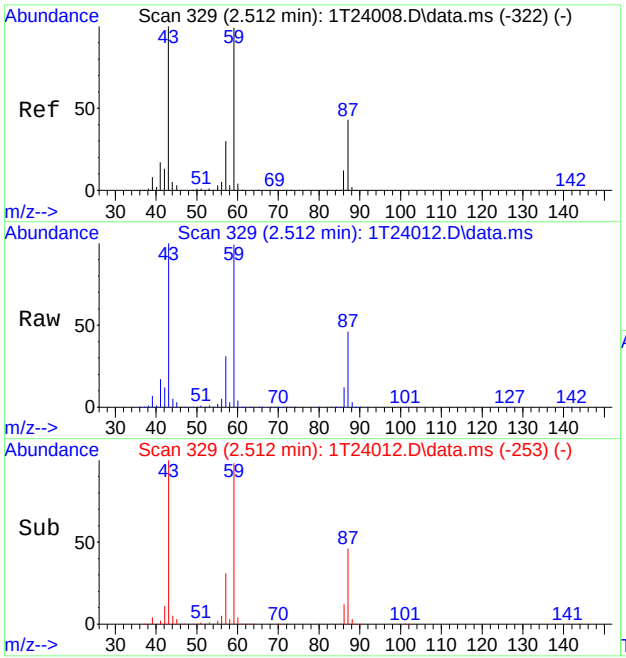


#32
acrylonitrile
Concen: 225.02 ug/L
RT: 2.350 min Scan# 298
Delta R.T. 0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion: 52 Resp: 385557

Ion	Ratio	Lower	Upper
52	100		
53	133.2	96.8	156.8
51	44.7	14.4	74.4

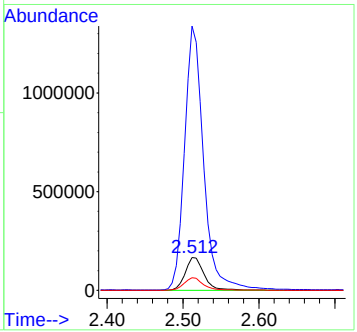


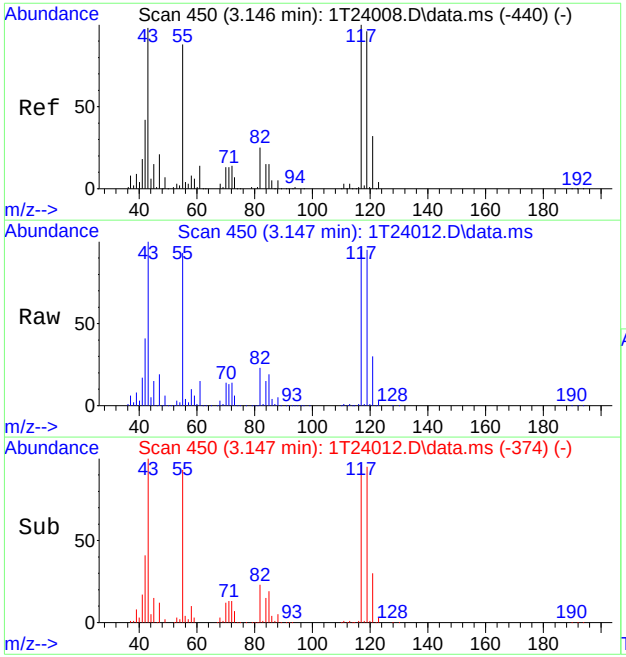


#33
vinyl acetate
Concen: 289.42 ug/L
RT: 2.512 min Scan# 329
Delta R.T. 0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion: 86 Resp: 288903

Ion	Ratio	Lower	Upper
86	100		
43	804.0	805.6	865.6#
44	38.6	9.2	69.2

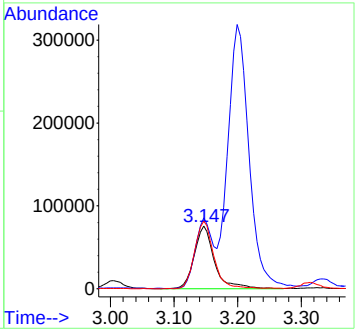


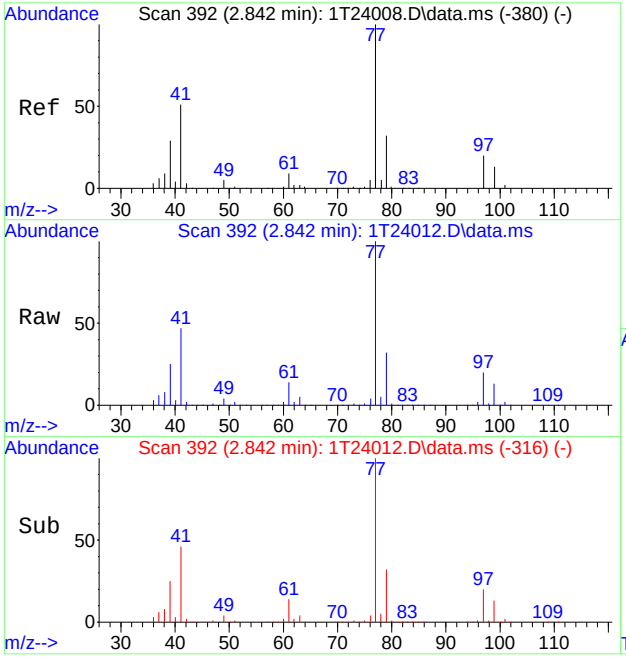


#34
ethyl acetate
Concen: 269.21 ug/L
RT: 3.147 min Scan# 450
Delta R.T. 0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion: 70 Resp: 168406

Ion	Ratio	Lower	Upper
70	100		
61	112.4	81.1	141.1
45	107.5	86.0	146.0

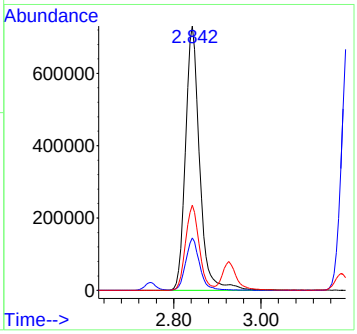


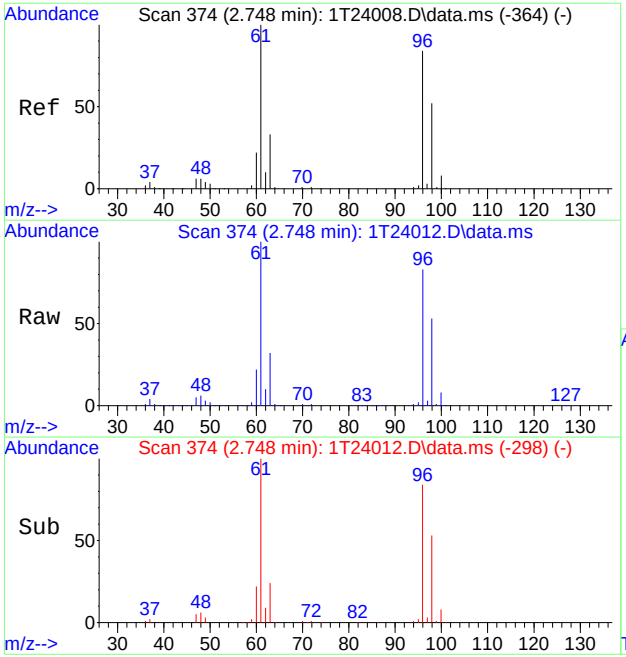


#35
2,2-dichloropropane
Concen: 233.91 ug/L
RT: 2.842 min Scan# 392
Delta R.T. 0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion: 77 Resp: 1647579

Ion	Ratio	Lower	Upper
77	100		
97	19.8	0.0	50.0
79	32.2	2.2	62.2

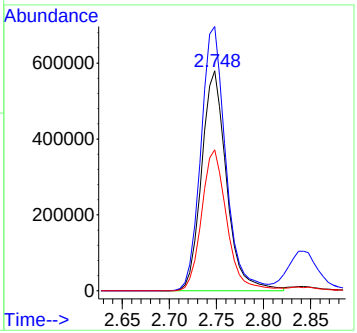


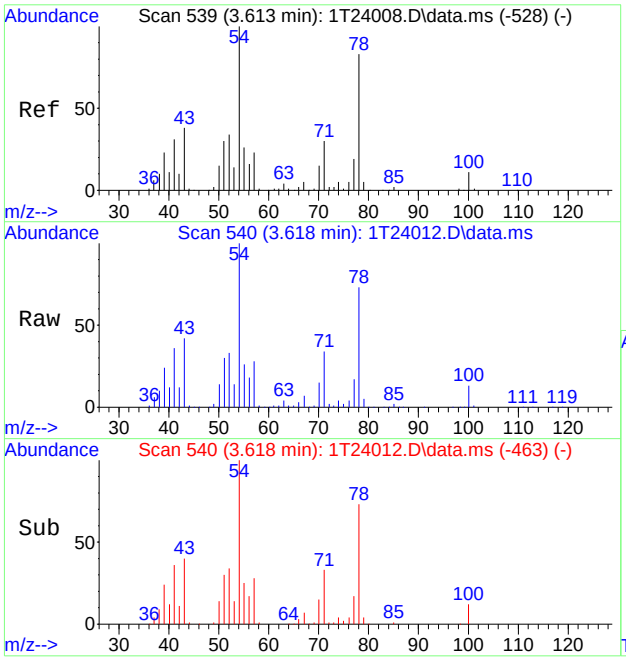


#36
cis-1,2-dichloroethene
Concen: 209.97 ug/L
RT: 2.748 min Scan# 374
Delta R.T. 0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion: 96 Resp: 1068842

Ion	Ratio	Lower	Upper
96	100		
61	120.1	89.4	149.4
98	64.0	32.0	92.0

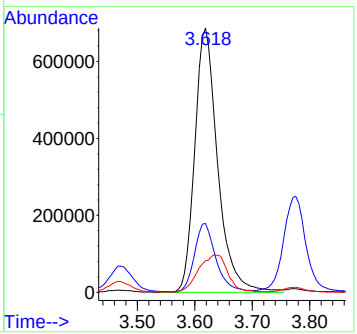


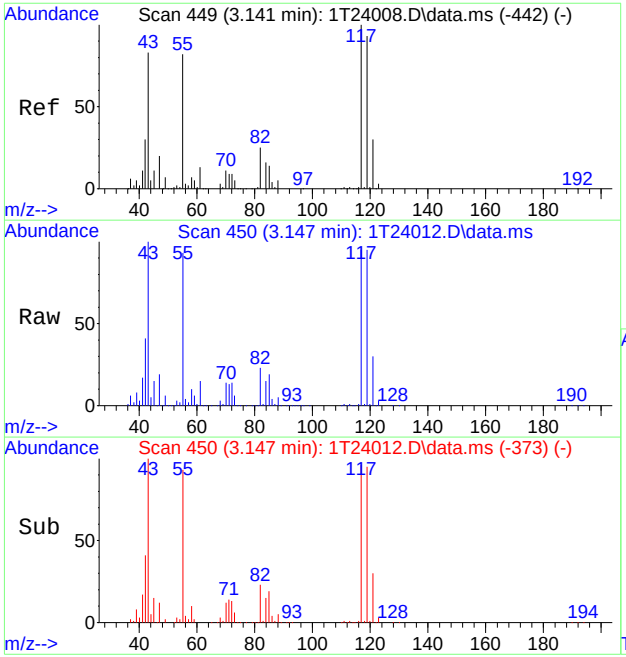


#37
propionitrile
Concen: 2073.40 ug/L
RT: 3.618 min Scan# 540
Delta R.T. 0.006 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion: 54 Resp: 1903291

Ion	Ratio	Lower	Upper
54	100		
55	25.8	0.0	55.9
40	11.9	0.0	41.2

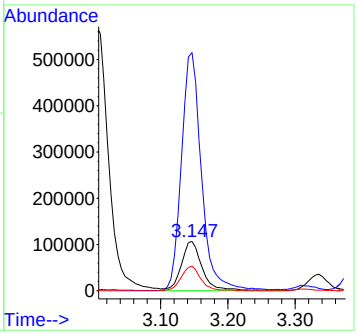


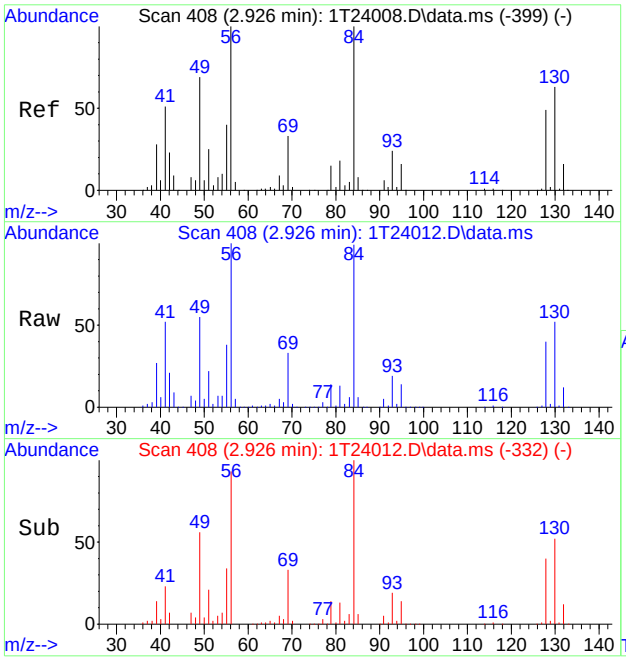


#38
methyl acrylate
Concen: 275.44 ug/L
RT: 3.147 min Scan# 450
Delta R.T. 0.006 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion: 85 Resp: 230628

Ion	Ratio	Lower	Upper
85	100		
55	485.3	512.8	552.8#
58	49.8	28.3	68.3

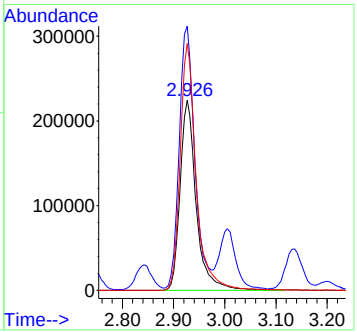


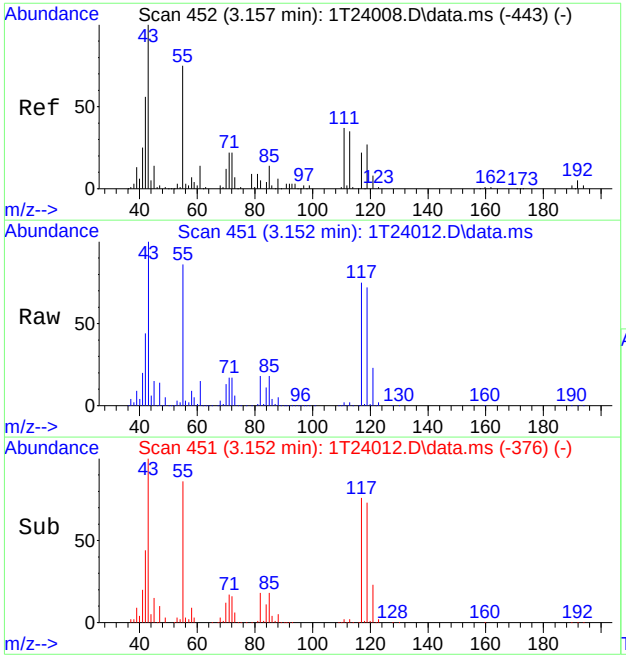


#39
bromochloromethane
Concen: 187.64 ug/L
RT: 2.926 min Scan# 408
Delta R.T. 0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion:128 Resp: 490688

Ion	Ratio	Lower	Upper
128	100		
49	137.0	110.2	170.2
130	129.7	98.0	158.0

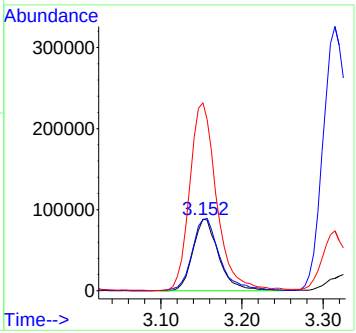


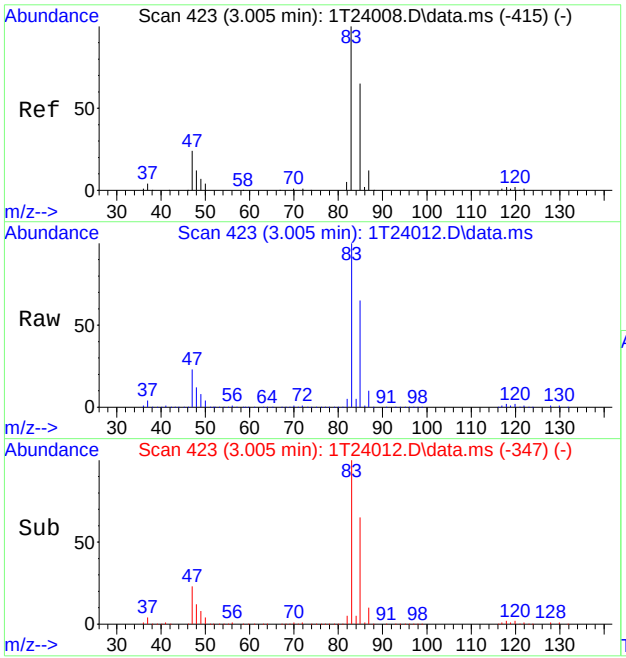


#40
tetrahydrofuran
Concen: 264.97 ug/L
RT: 3.152 min Scan# 451
Delta R.T. -0.005 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion: 71 Resp: 195660

Ion	Ratio	Lower	Upper
71	100		
72	98.3	71.2	131.2
42	261.6	227.1	287.1

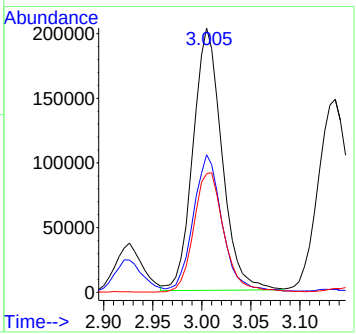


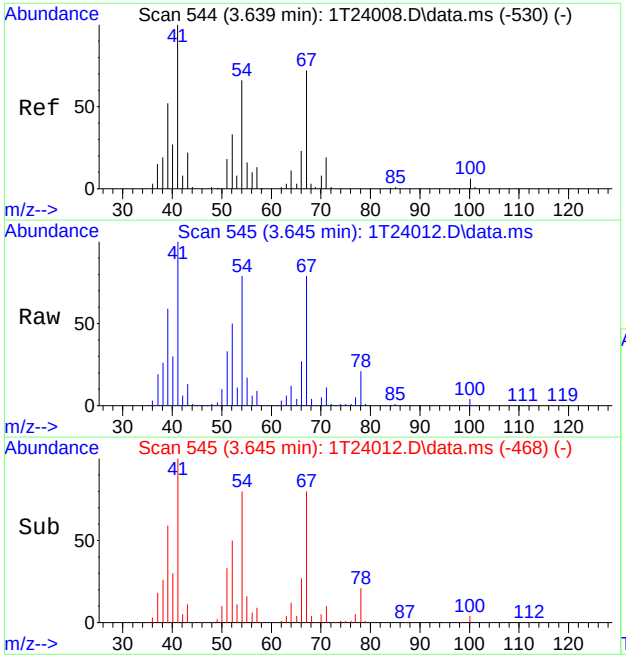


#41
chloroform
Concen: 170.61 ug/L
RT: 3.005 min Scan# 423
Delta R.T. 0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion: 47 Resp: 416089

Ion	Ratio	Lower	Upper
47	100		
48	52.2	19.2	79.2
87	45.2	18.5	78.5

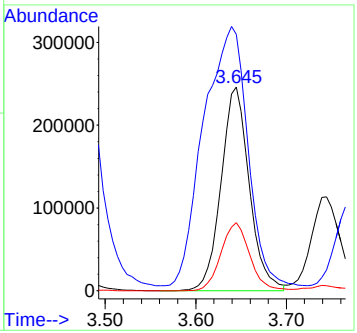


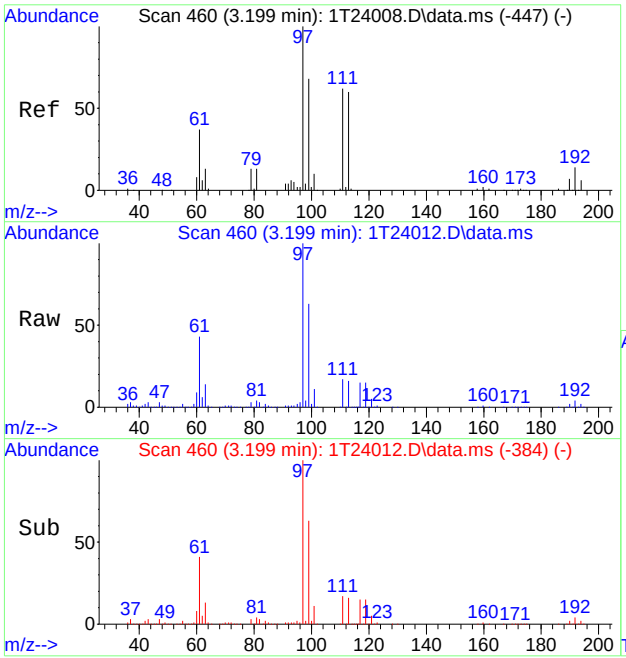


#43
methacrylonitrile
Concen: 262.57 ug/L
RT: 3.645 min Scan# 545
Delta R.T. 0.006 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion: 67 Resp: 532386

Ion	Ratio	Lower	Upper
67	100		
41	123.3	109.1	169.1
66	33.4	2.0	62.0

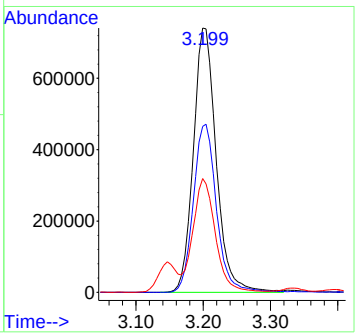


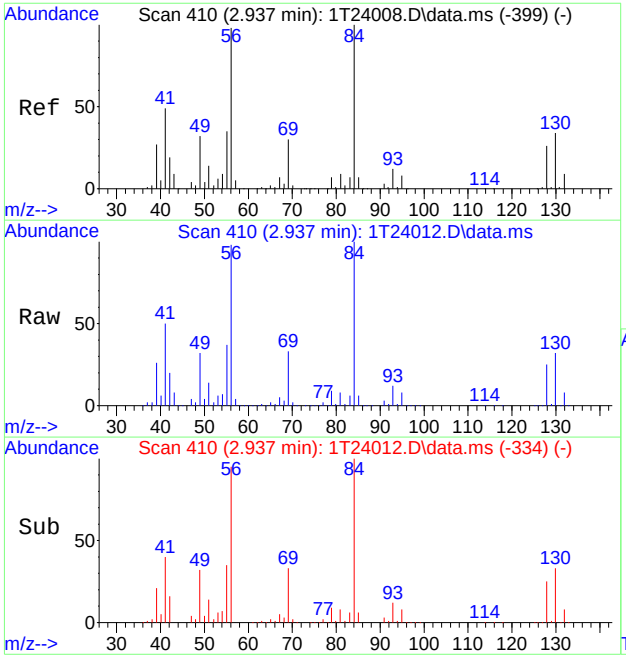


#44
1,1,1-trichloroethane
Concen: 220.26 ug/L
RT: 3.199 min Scan# 460
Delta R.T. 0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion: 97 Resp: 1756499

Ion	Ratio	Lower	Upper
97	100		
99	62.7	38.0	98.0
61	41.9	11.6	71.6

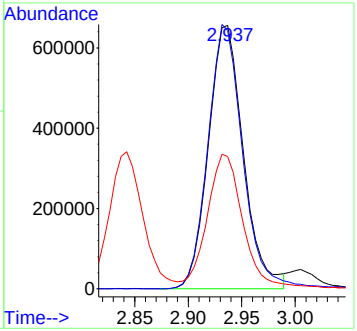


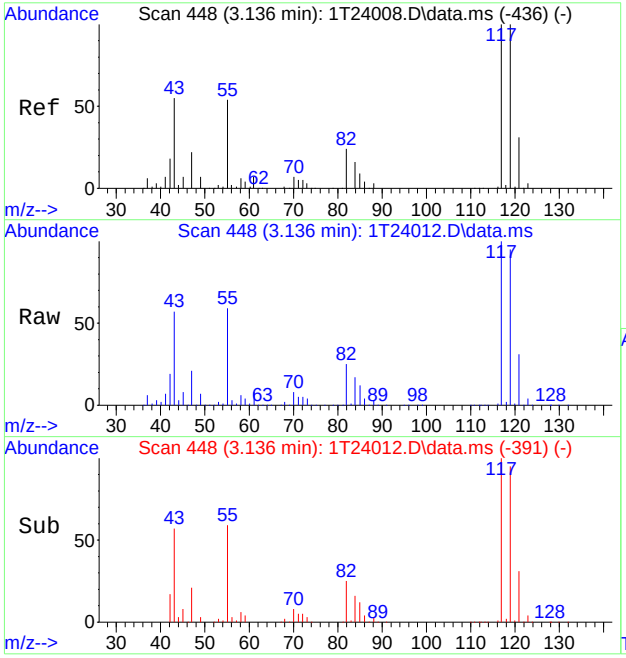


#45
cyclohexane
Concen: 254.42 ug/L
RT: 2.937 min Scan# 410
Delta R.T. 0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion: 84 Resp: 1491603

Ion	Ratio	Lower	Upper
84	100		
56	98.0	78.4	118.4
41	48.3	30.2	70.2

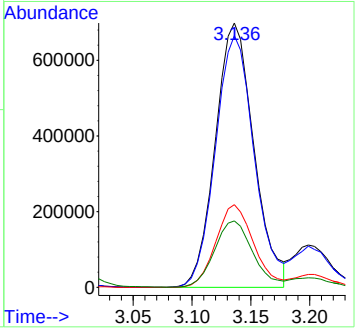


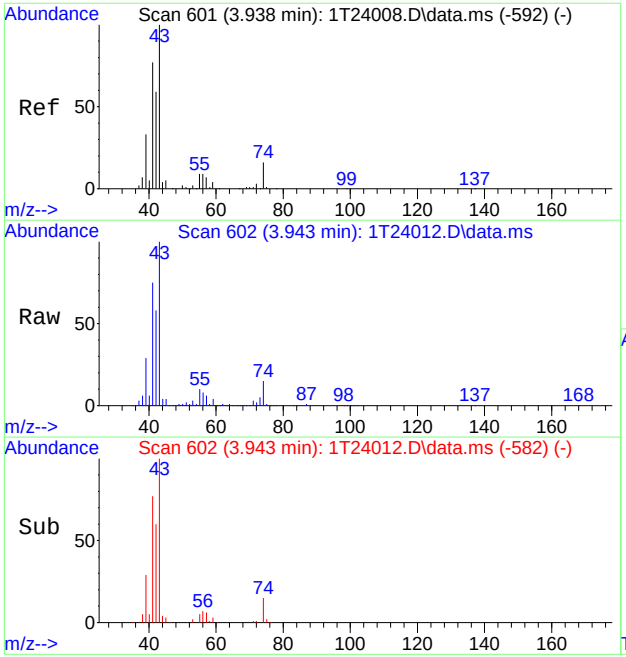


#47
carbon tetrachloride
Concen: 226.44 ug/L
RT: 3.136 min Scan# 448
Delta R.T. 0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion:117 Resp: 1591685

Ion	Ratio	Lower	Upper
117	100		
119	95.2	80.5	120.5
121	31.3	11.1	51.1
82	25.0	4.2	44.2

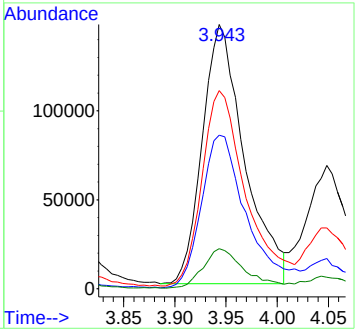


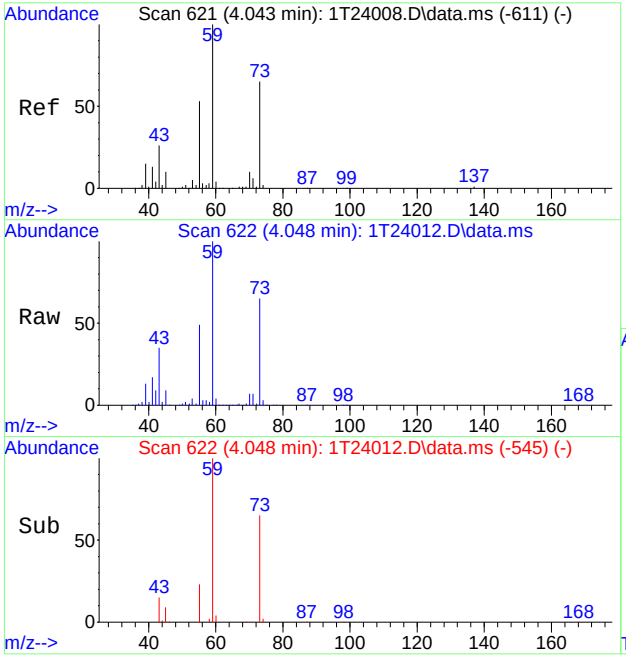


#48
isobutyl alcohol
Concen: 2200.29 ug/L
RT: 3.943 min Scan# 602
Delta R.T. 0.006 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion: 43 Resp: 417020

Ion	Ratio	Lower	Upper
43	100		
42	58.9	39.1	79.1
41	75.3	57.3	97.3
74	15.1	0.0	35.9

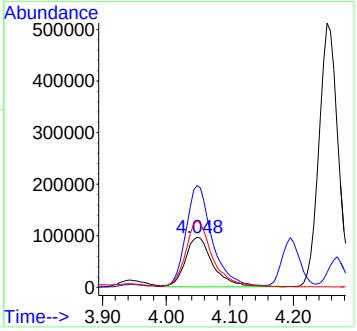


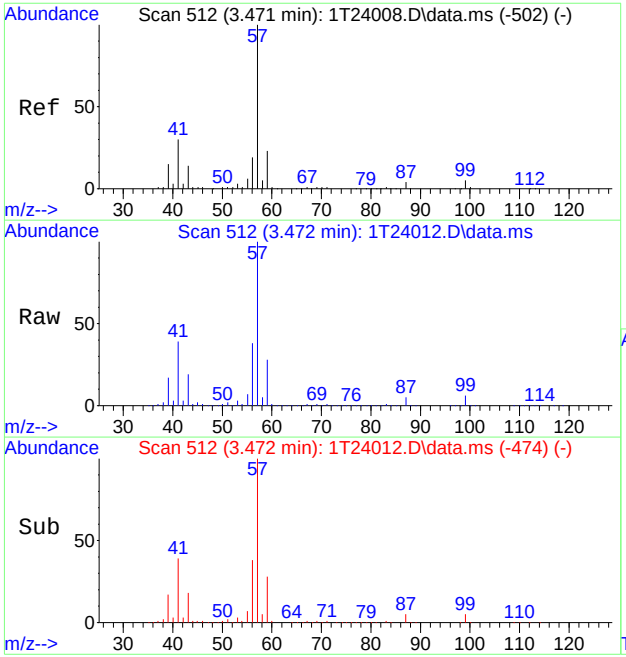


#49
tert-amyl alcohol
Concen: 1116.98 ug/L
RT: 4.048 min Scan# 622
Delta R.T. 0.006 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion: 55 Resp: 286742

Ion	Ratio	Lower	Upper
55	100		
59	203.6	167.3	207.3
73	133.2	102.0	142.0

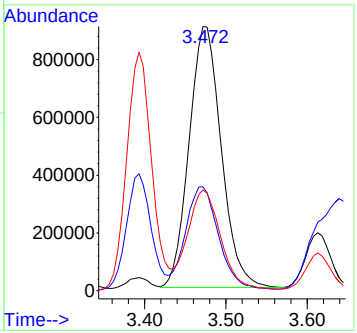


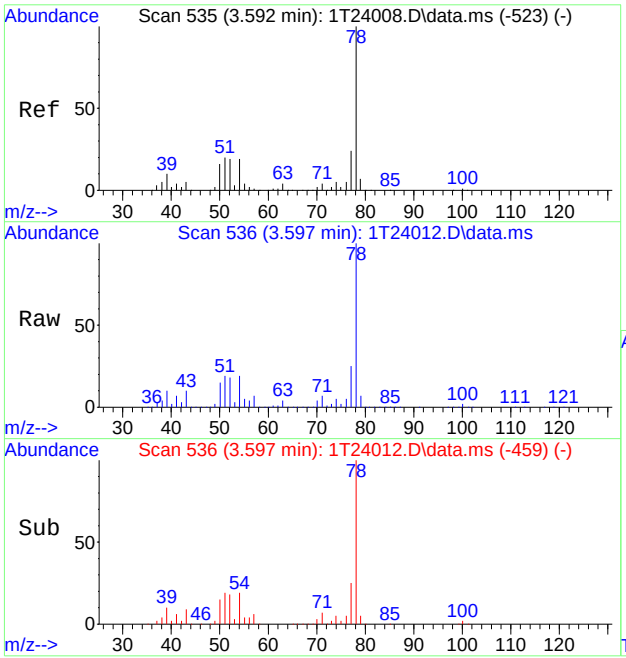


#52
iso-octane
Concen: 248.40 ug/L
RT: 3.472 min Scan# 512
Delta R.T. 0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion: 57 Resp: 2493301

Ion	Ratio	Lower	Upper
57	100		
41	39.0	17.8	57.8
56	37.9	15.2	55.2

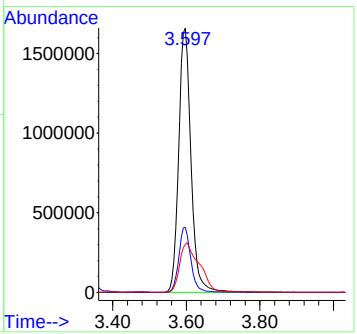


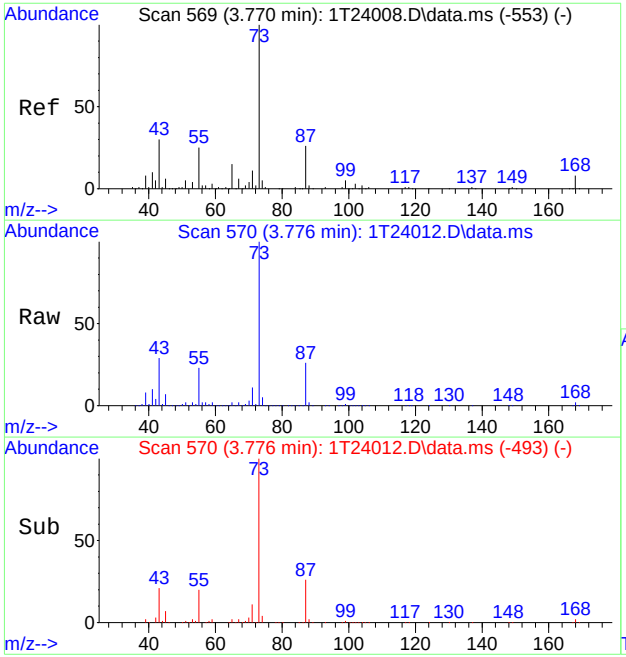


#53
benzene
Concen: 218.20 ug/L
RT: 3.597 min Scan# 536
Delta R.T. 0.006 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion: 78 Resp: 3863771

Ion	Ratio	Lower	Upper
78	100		
77	24.6	0.0	54.3
52	18.1	0.0	48.8

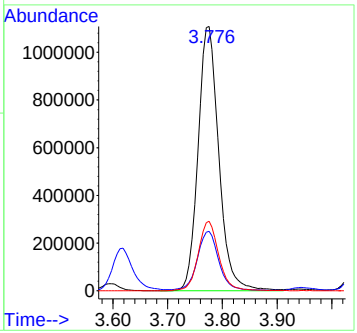


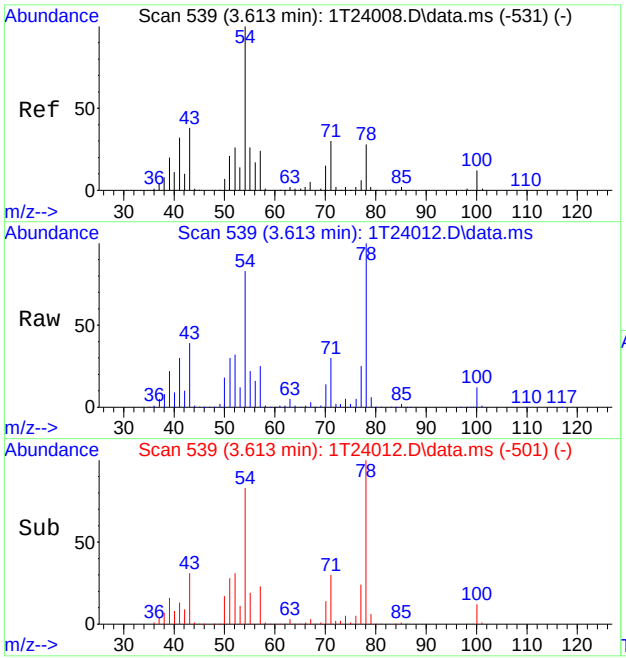


#54
tert-amyl methyl ether
Concen: 253.96 ug/L
RT: 3.776 min Scan# 570
Delta R.T. 0.006 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion: 73 Resp: 2919251

Ion	Ratio	Lower	Upper
73	100		
55	22.3	5.6	45.6
87	26.3	6.1	46.1

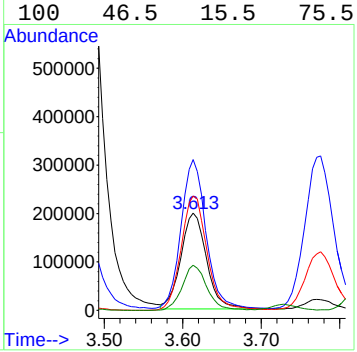


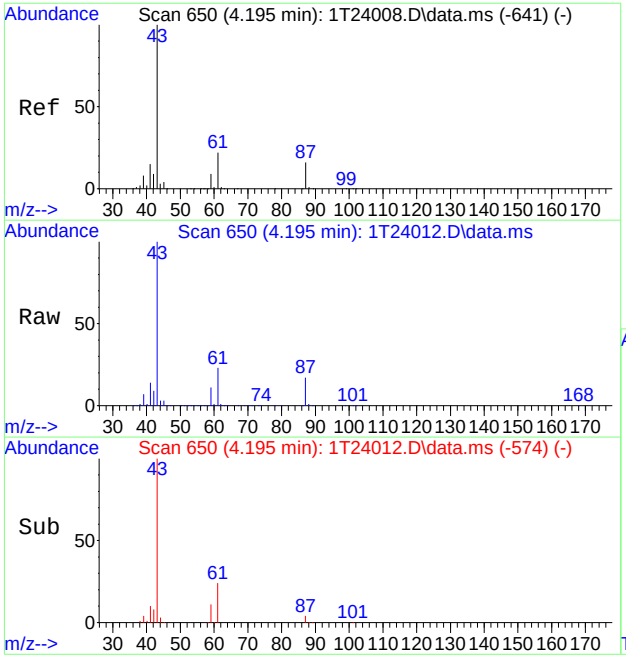


#55
heptane
Concen: 229.11 ug/L
RT: 3.613 min Scan# 539
Delta R.T. 0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion: 57 Resp: 451416

Ion	Ratio	Lower	Upper
57	100		
43	153.4	120.9	180.9
71	117.7	89.7	149.7
100	46.5	15.5	75.5

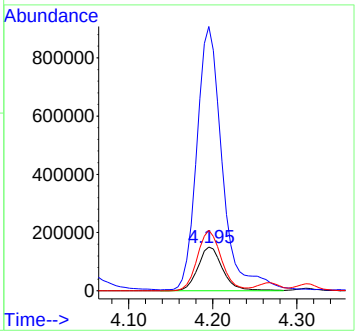


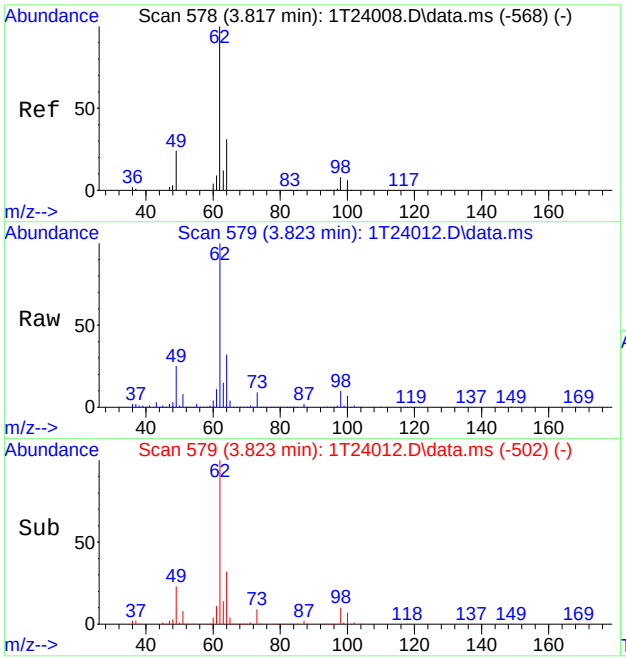


#56
isopropyl acetate
Concen: 271.08 ug/L
RT: 4.195 min Scan# 650
Delta R.T. 0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion: 87 Resp: 308726

Ion	Ratio	Lower	Upper
87	100		
43	600.4	606.7	666.7#
61	137.9	109.0	169.0

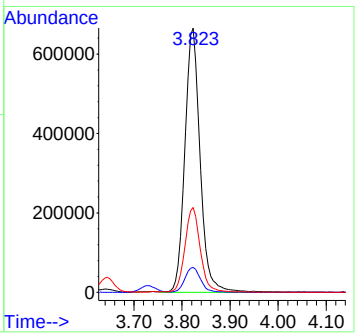


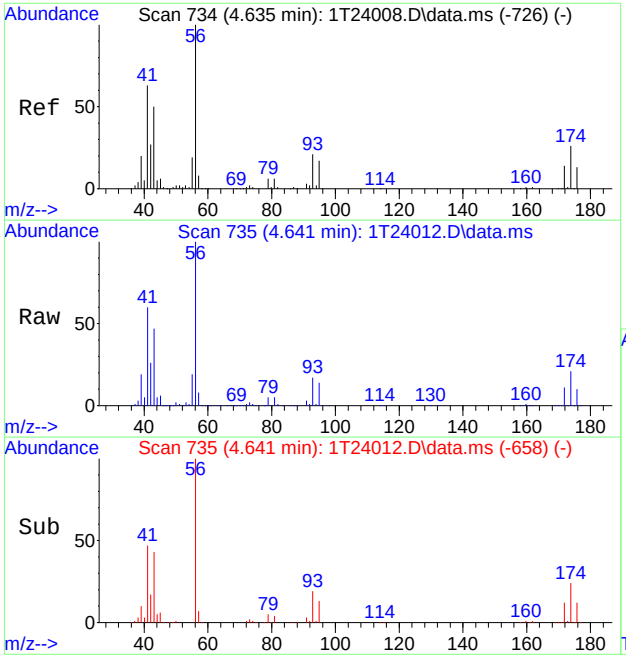


#57
1,2-dichloroethane
Concen: 187.89 ug/L
RT: 3.823 min Scan# 579
Delta R.T. 0.006 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion: 62 Resp: 1470335

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	39.3
64	32.1	1.8	61.8

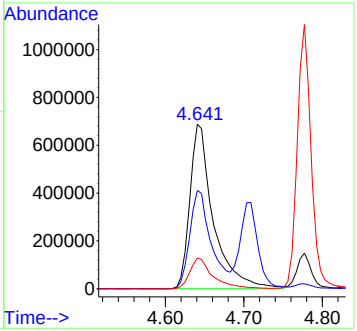


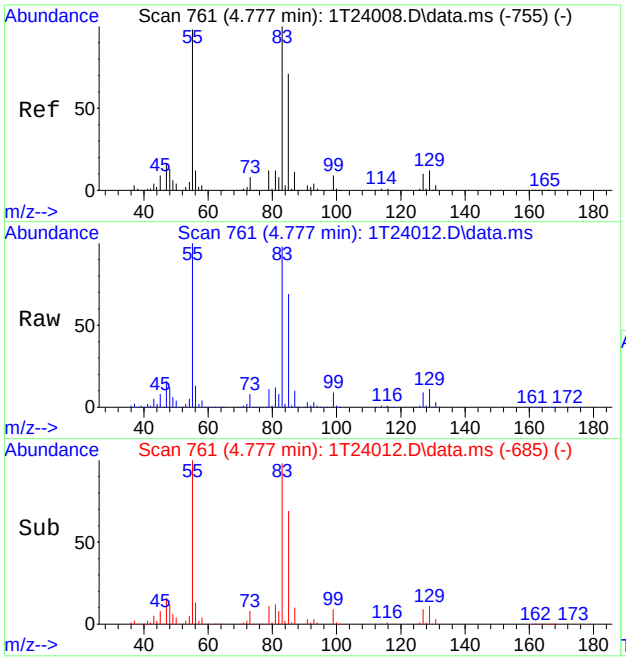


#58
n-butyl alcohol
Concen: 9620.66 ug/L
RT: 4.641 min Scan# 735
Delta R.T. 0.006 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion: 56 Resp: 1427084

Ion	Ratio	Lower	Upper
56	100		
41	59.8	42.6	82.6
55	18.6	0.0	38.9

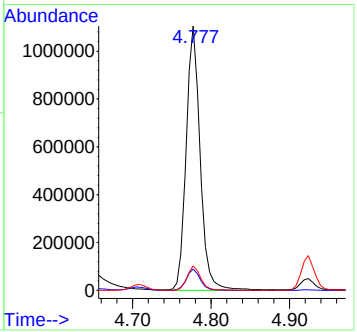


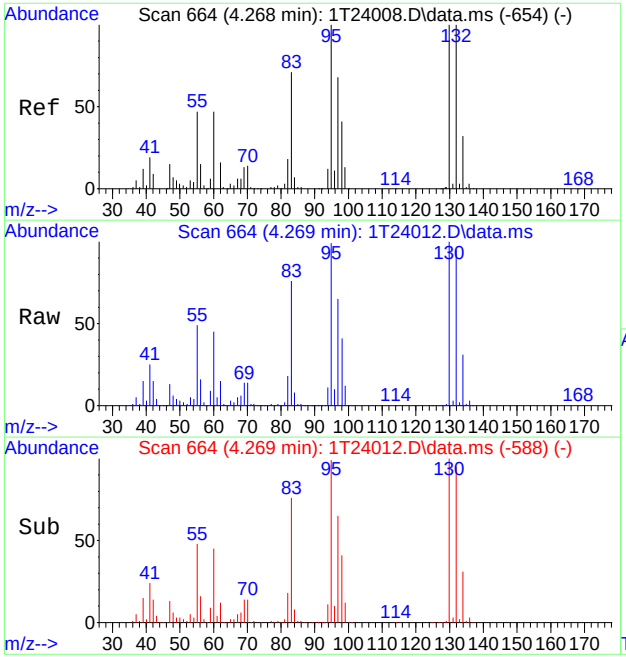


#59
ethyl acrylate
Concen: 252.18 ug/L
RT: 4.777 min Scan# 761
Delta R.T. 0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion: 55 Resp: 1373632

Ion	Ratio	Lower	Upper
55	100		
73	8.1	0.0	37.8
99	9.2	0.0	39.3

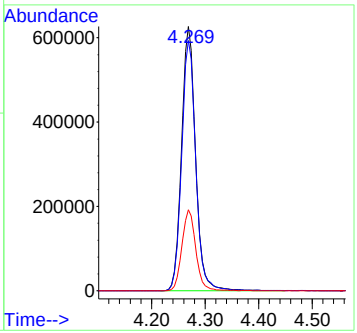


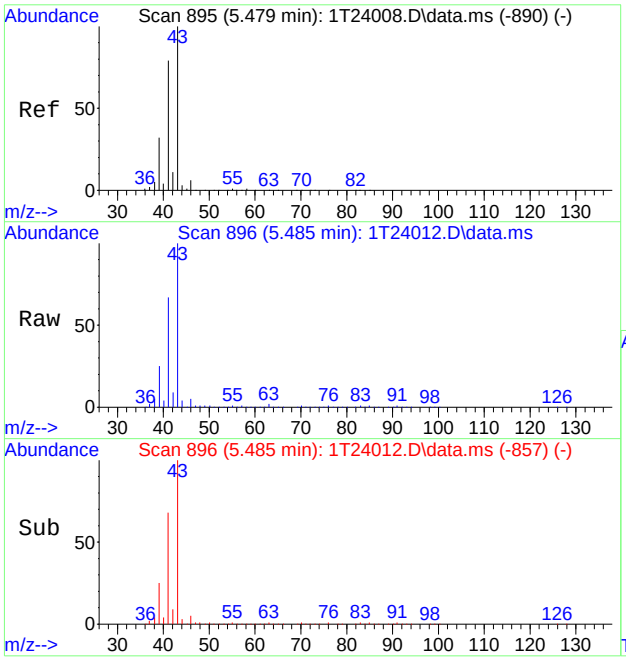


#60
trichloroethene
Concen: 239.71 ug/L
RT: 4.269 min Scan# 664
Delta R.T. 0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion:130 Resp: 1141059

Ion	Ratio	Lower	Upper
130	100		
132	94.7	69.8	129.8
134	30.7	2.3	62.3

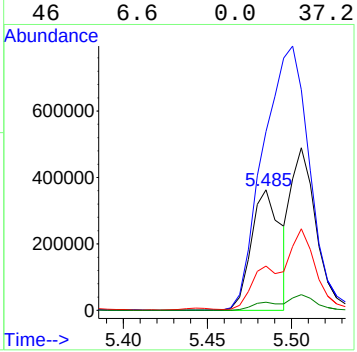


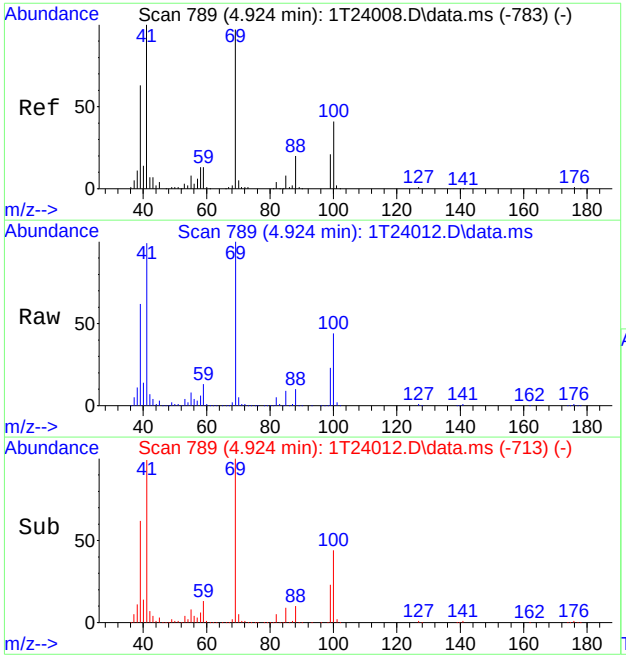


#61
2-nitropropane
Concen: 270.92 ug/L
RT: 5.485 min Scan# 896
Delta R.T. 0.006 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion: 41 Resp: 443325

Ion	Ratio	Lower	Upper
41	100		
43	148.4	96.2	156.2
39	36.6	11.9	71.9
46	6.6	0.0	37.2

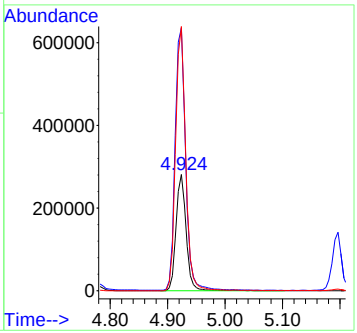


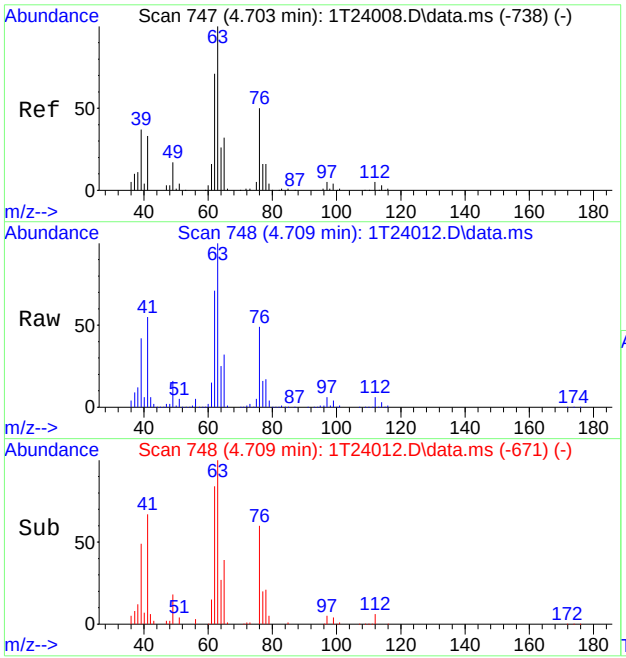


#63
methyl methacrylate
Concen: 257.68 ug/L
RT: 4.924 min Scan# 789
Delta R.T. 0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion:100 Resp: 344554

Ion	Ratio	Lower	Upper
100	100		
41	225.4	214.5	274.5
69	227.0	207.6	267.6

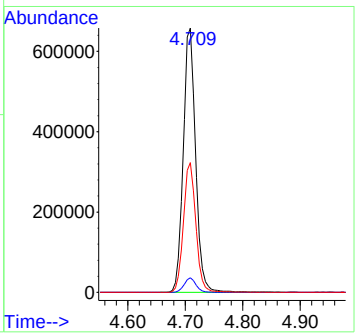


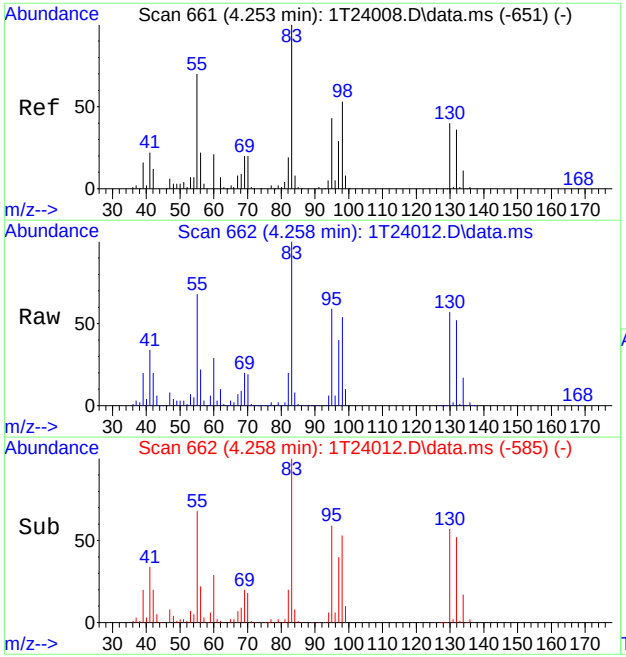


#64
1,2-dichloropropane
Concen: 218.13 ug/L
RT: 4.709 min Scan# 748
Delta R.T. 0.006 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion: 63 Resp: 985404

Ion	Ratio	Lower	Upper
63	100		
112	5.6	0.0	34.7
76	49.1	20.1	80.1

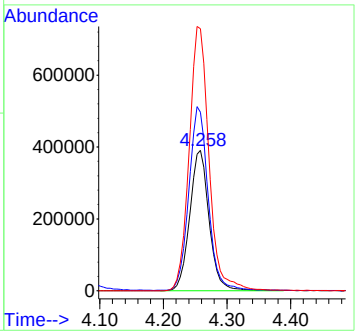


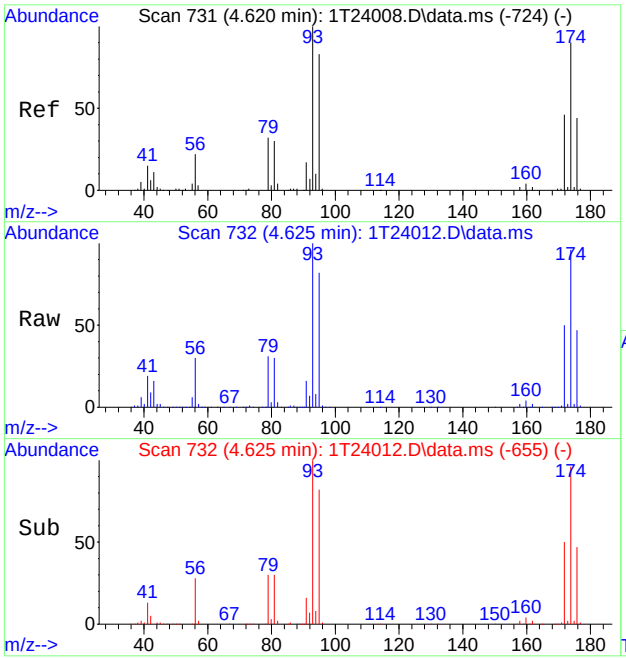


#65
methylcyclohexane
Concen: 251.41 ug/L
RT: 4.258 min Scan# 662
Delta R.T. 0.006 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion: 98 Resp: 827908

Ion	Ratio	Lower	Upper
98	100		
55	126.8	102.6	162.6
83	186.9	188.2	188.2#

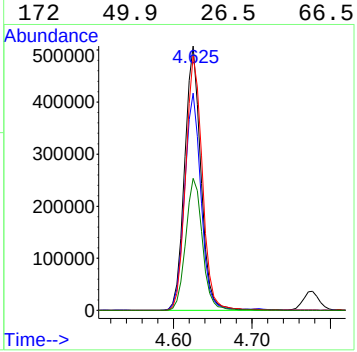


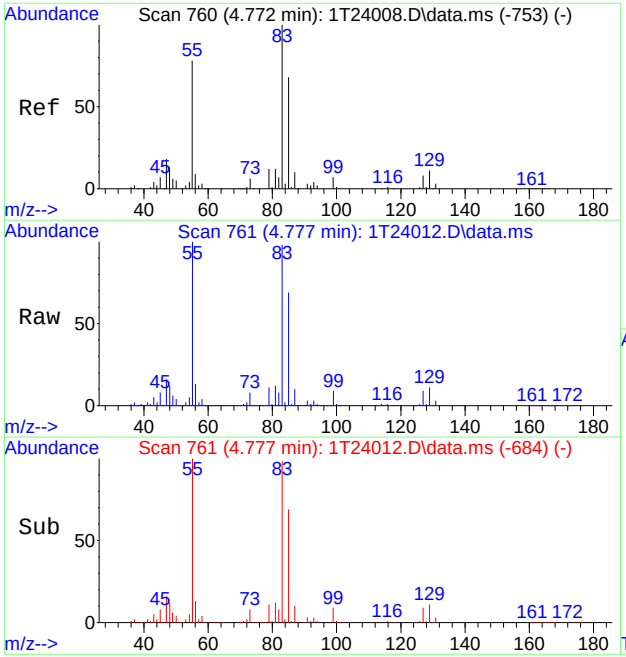


#66
dibromomethane
Concen: 189.08 ug/L
RT: 4.625 min Scan# 732
Delta R.T. 0.006 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion: 93 Resp: 732980

Ion	Ratio	Lower	Upper
93	100		
95	82.1	53.3	113.3
174	96.2	59.6	119.6
172	49.9	26.5	66.5

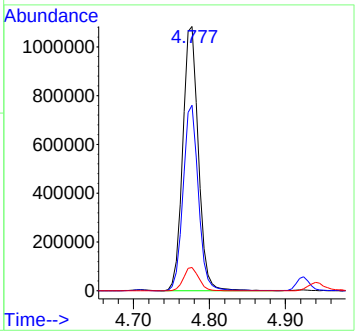


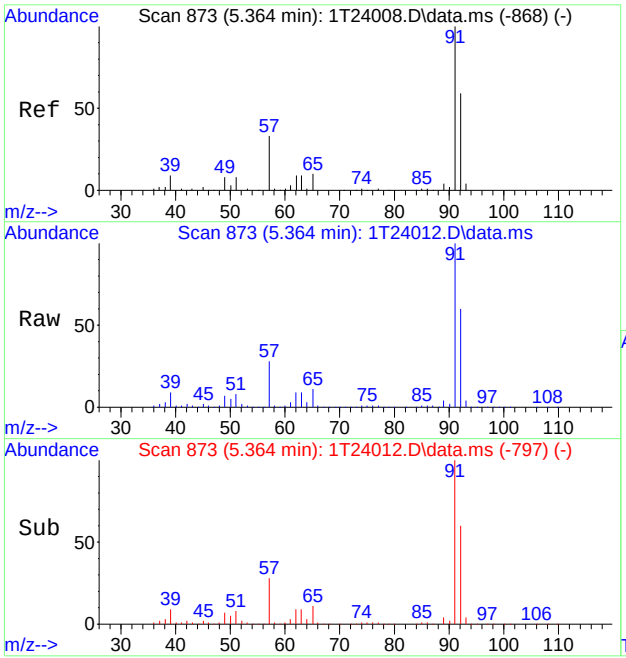


#67
bromodichloromethane
Concen: 214.25 ug/L
RT: 4.777 min Scan# 761
Delta R.T. 0.006 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion: 83 Resp: 1547805

Ion	Ratio	Lower	Upper
83	100		
85	70.2	38.0	98.0
127	8.9	0.0	38.3

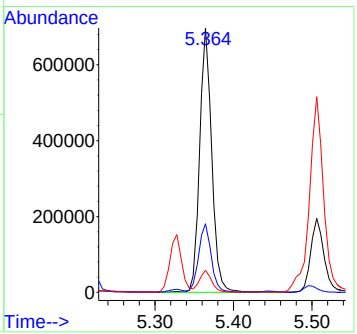


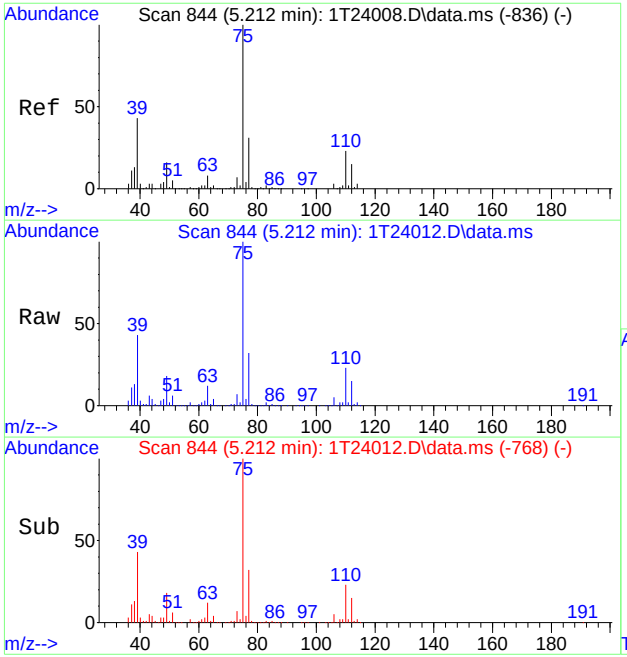


#68
epichlorohydrin
Concen: 1127.57 ug/L
RT: 5.364 min Scan# 873
Delta R.T. 0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion: 57 Resp: 742956

Ion	Ratio	Lower	Upper
57	100		
49	25.9	5.6	45.6
42	8.3	0.0	29.5

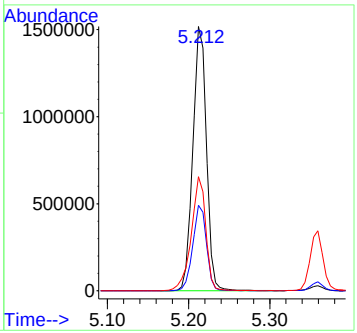


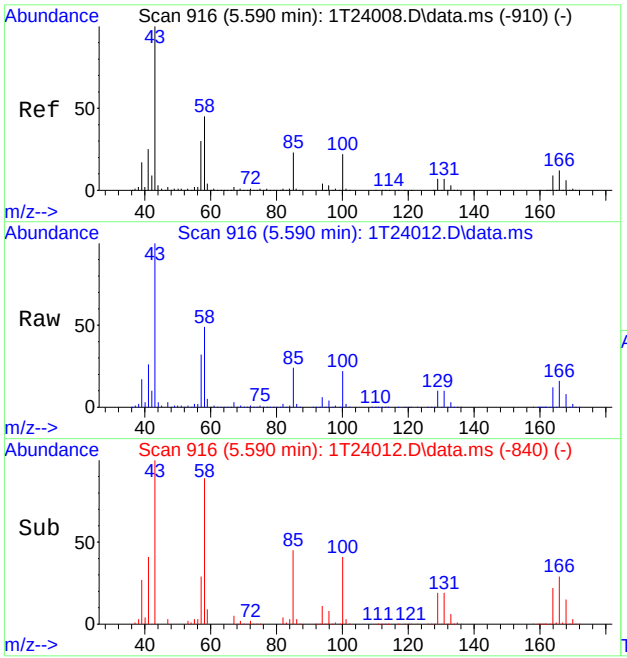


#69
cis-1,3-dichloropropene
Concen: 259.47 ug/L
RT: 5.212 min Scan# 844
Delta R.T. 0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion: 75 Resp: 1764992

Ion	Ratio	Lower	Upper
75	100		
77	32.3	1.4	61.4
39	43.1	13.3	73.3

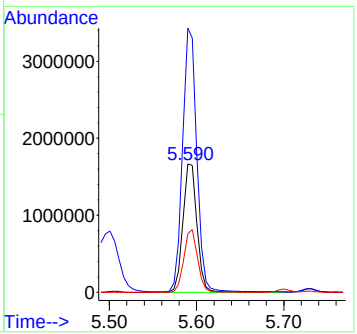


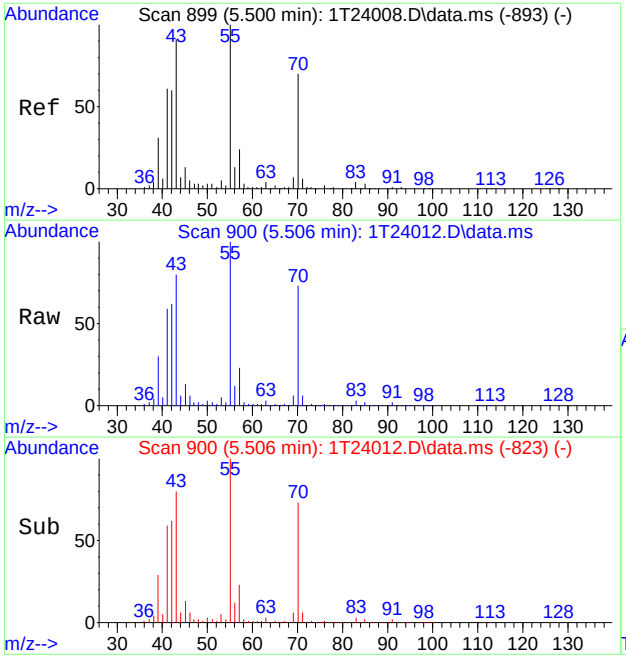


#70
4-methyl-2-pentanone
Concen: 952.65 ug/L
RT: 5.590 min Scan# 916
Delta R.T. 0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion: 58 Resp: 1877608

Ion	Ratio	Lower	Upper
58	100		
43	205.4	192.2	252.2
100	45.7	18.2	78.2

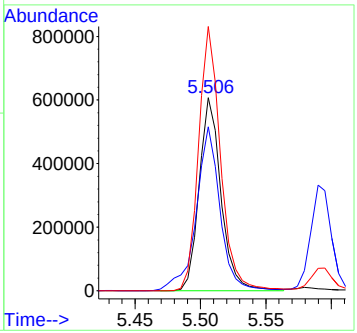


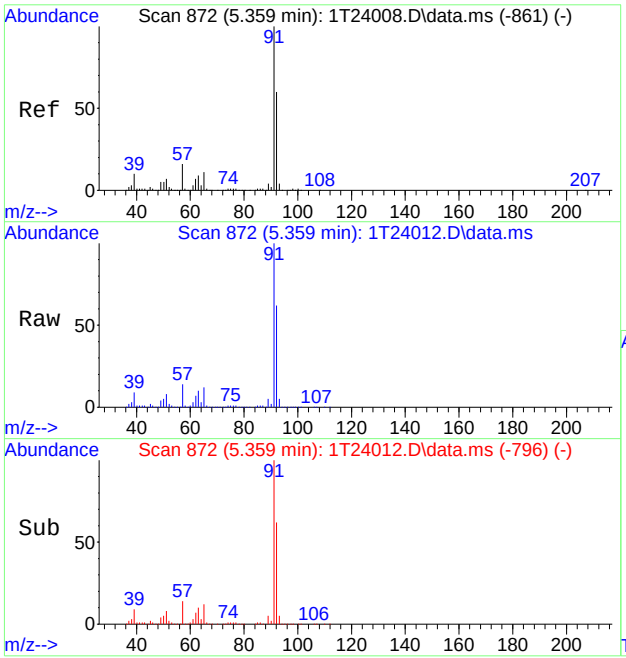


#71
3-methyl-1-butanol
Concen: 4295.35 ug/L
RT: 5.506 min Scan# 900
Delta R.T. 0.006 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion: 70 Resp: 707824

Ion	Ratio	Lower	Upper
70	100		
42	84.3	54.9	114.9
55	136.9	112.0	172.0

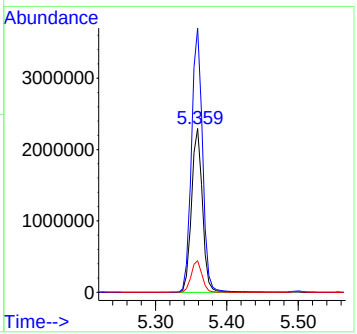


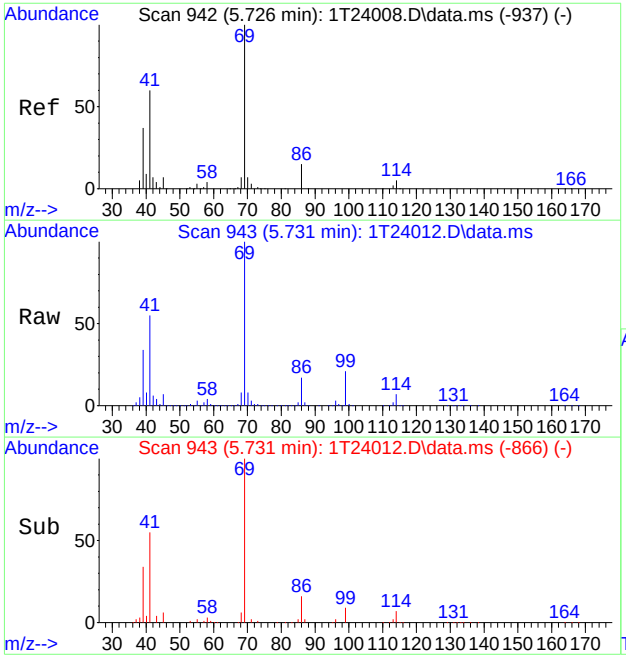


#74
toluene
Concen: 194.04 ug/L
RT: 5.359 min Scan# 872
Delta R.T. 0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion: 92 Resp: 2448060

Ion	Ratio	Lower	Upper
92	100		
91	161.2	147.9	187.9
65	19.2	0.0	38.0

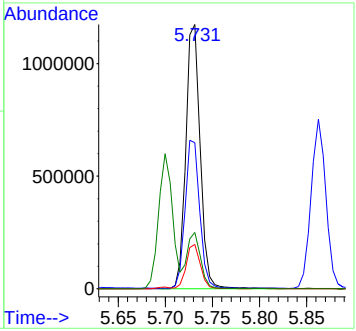


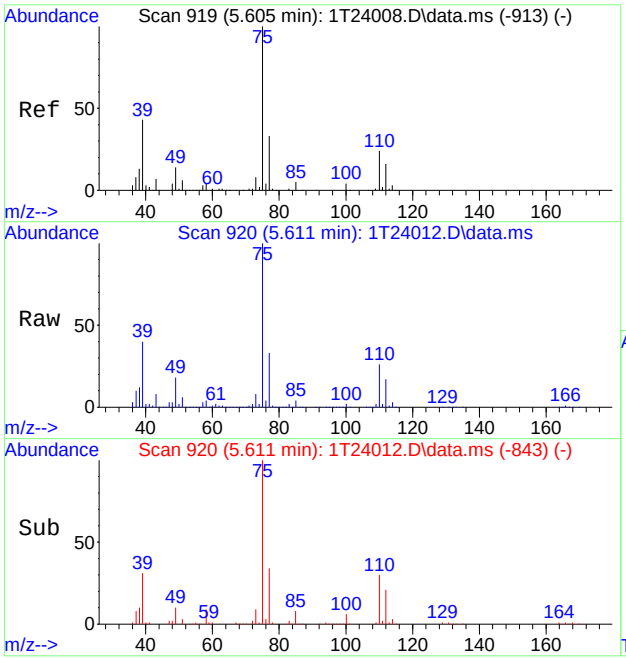


#75
ethyl methacrylate
Concen: 236.60 ug/L
RT: 5.731 min Scan# 943
Delta R.T. 0.006 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion: 69 Resp: 1246060

Ion	Ratio	Lower	Upper
69	100		
41	55.0	40.2	80.2
86	16.7	0.0	35.4
99	21.2	0.0	39.8

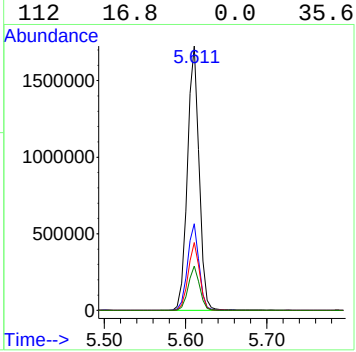


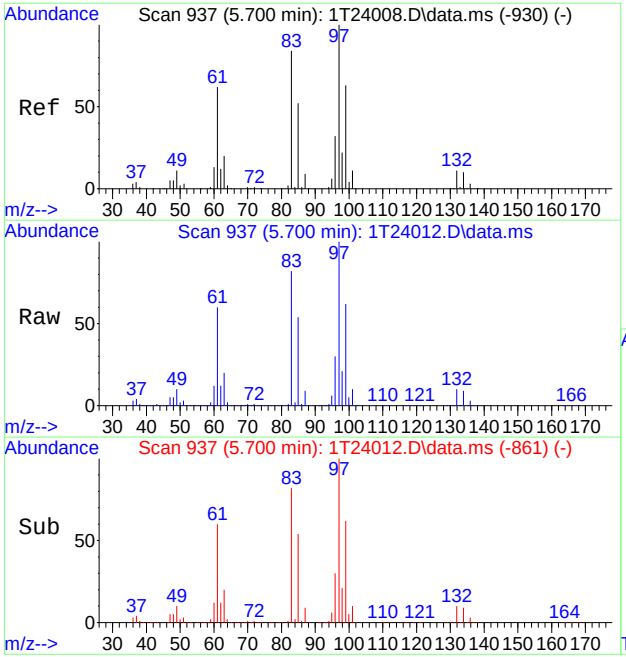


#76
trans-1,3-dichloropropene
Concen: 238.23 ug/L
RT: 5.611 min Scan# 920
Delta R.T. 0.006 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion: 75 Resp: 1731598

Ion	Ratio	Lower	Upper
75	100		
77	32.8	12.7	52.7
110	25.7	4.1	44.1
112	16.8	0.0	35.6

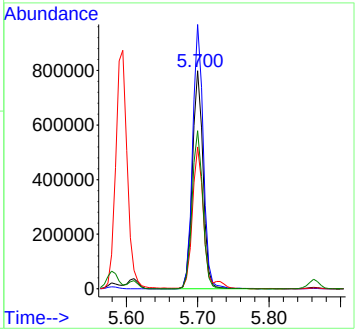


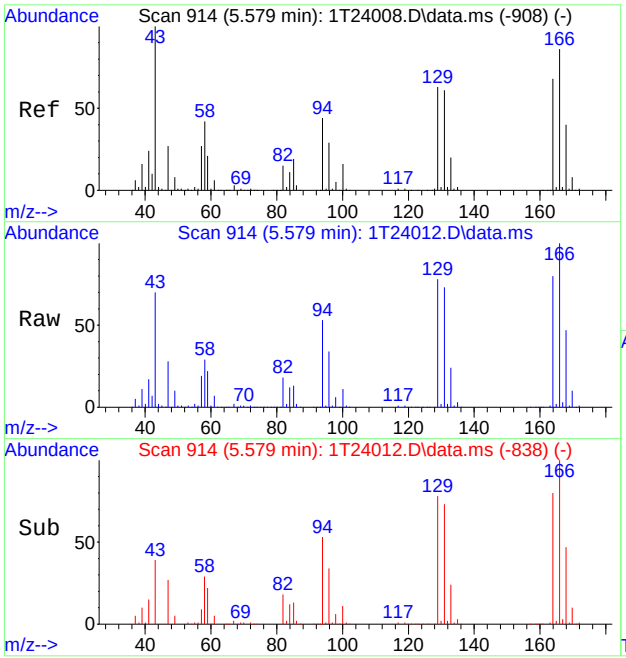


#77
1,1,2-trichloroethane
Concen: 222.61 ug/L
RT: 5.700 min Scan# 937
Delta R.T. 0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion: 83 Resp: 828710

Ion	Ratio	Lower	Upper
83	100		
97	121.3	98.8	138.8
85	65.0	41.6	81.6
61	72.5	53.7	93.7

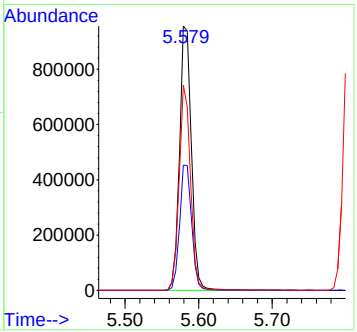


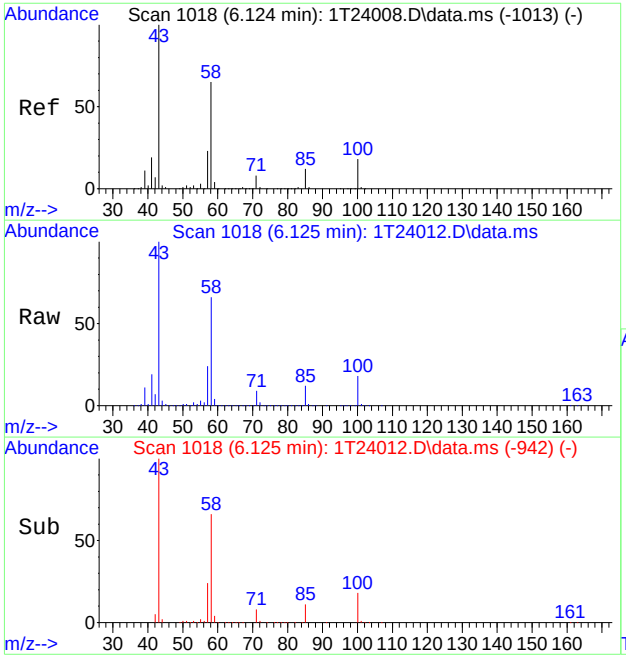


#78
tetrachloroethene
Concen: 205.72 ug/L
RT: 5.579 min Scan# 914
Delta R.T. 0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion:166 Resp: 1076805

Ion	Ratio	Lower	Upper
166	100		
168	47.4	16.8	76.8
129	77.6	43.9	103.9

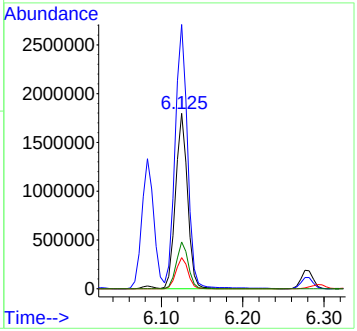


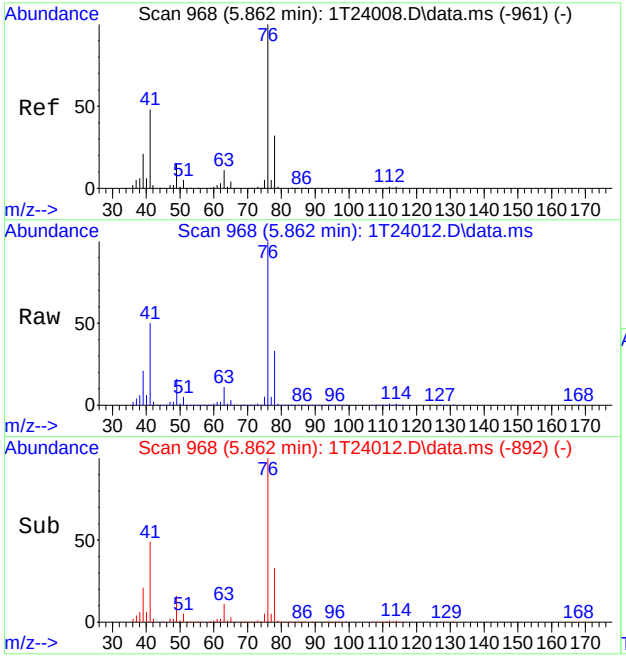


#79
2-hexanone
Concen: 962.80 ug/L
RT: 6.125 min Scan# 1018
Delta R.T. 0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion: 58 Resp: 1859823

Ion	Ratio	Lower	Upper
58	100		
43	150.7	139.1	179.1
85	17.8	0.0	38.1
100	26.8	7.8	47.8

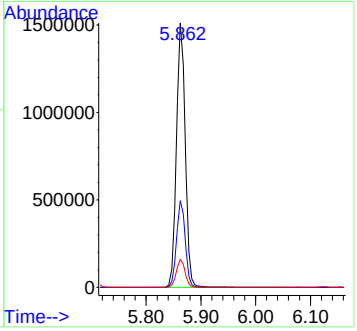


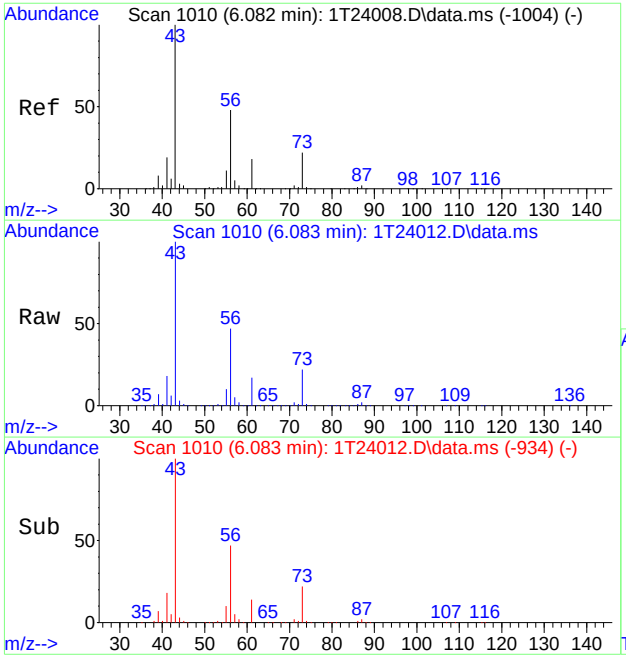


#80
1,3-dichloropropane
Concen: 221.94 ug/L
RT: 5.862 min Scan# 968
Delta R.T. 0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion: 76 Resp: 1685580

Ion	Ratio	Lower	Upper
76	100		
78	32.8	2.1	62.1
63	10.6	0.0	40.7

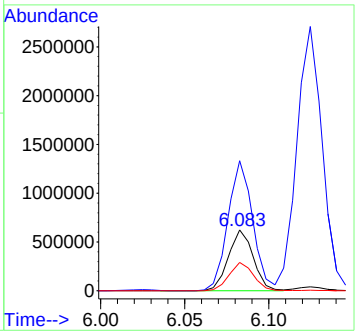


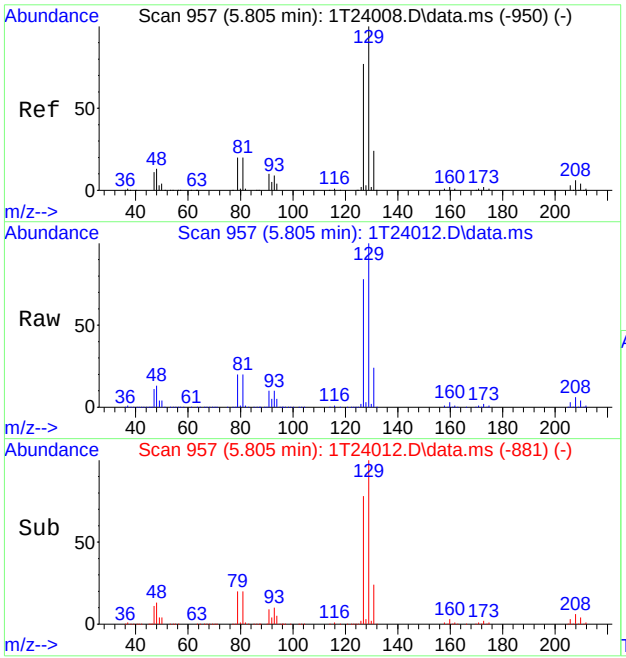


#81
butyl acetate
Concen: 248.95 ug/L
RT: 6.083 min Scan# 1010
Delta R.T. 0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion: 56 Resp: 643982

Ion	Ratio	Lower	Upper
56	100		
43	213.2	177.8	237.8
73	46.9	16.2	76.2

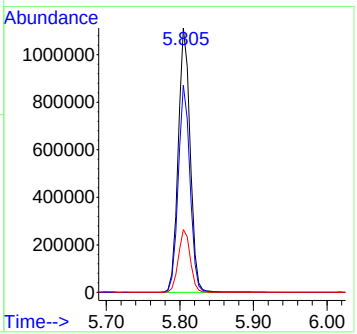


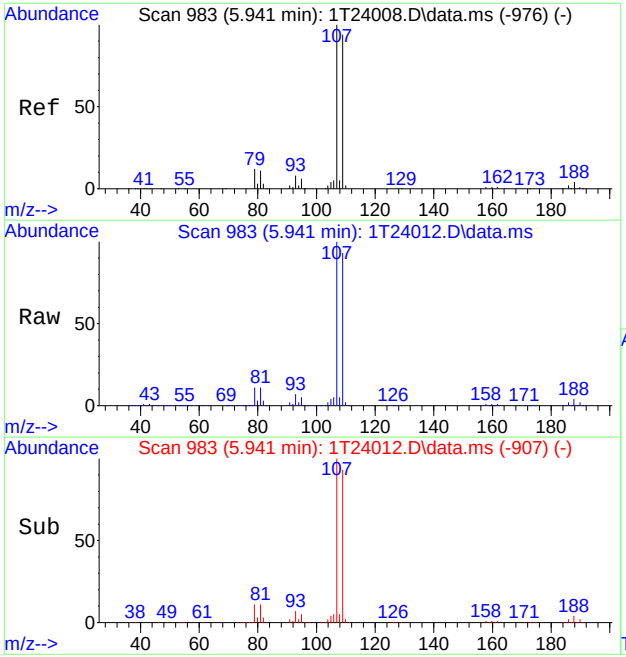


#82
dibromochloromethane
Concen: 222.65 ug/L
RT: 5.805 min Scan# 957
Delta R.T. 0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion:129 Resp: 1256294

Ion	Ratio	Lower	Upper
129	100		
127	78.4	47.5	107.5
131	23.8	0.0	54.1

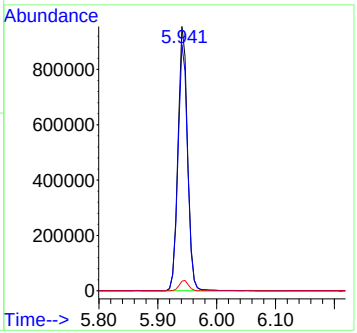


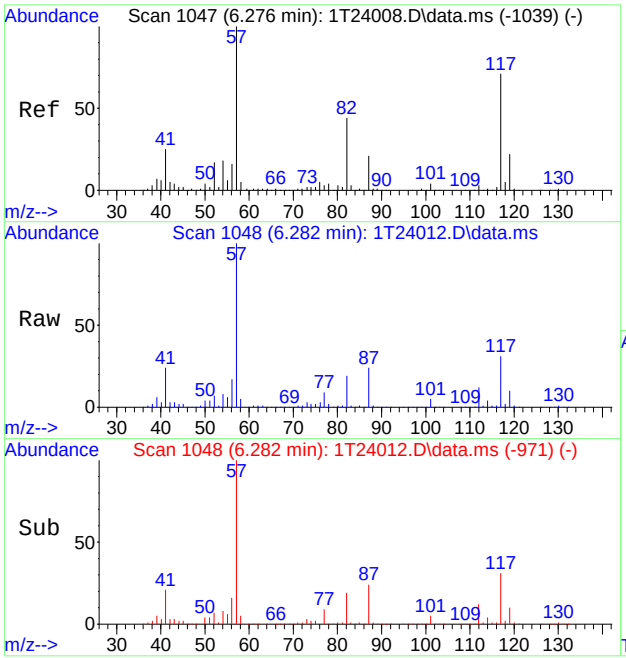


#83
1,2-dibromoethane
Concen: 219.65 ug/L
RT: 5.941 min Scan# 983
Delta R.T. 0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion:107 Resp: 1078392

Ion	Ratio	Lower	Upper
107	100		
109	93.1	64.0	124.0
188	3.6	0.0	33.9

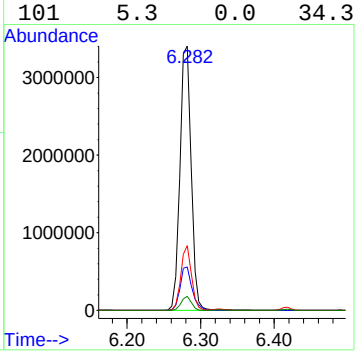


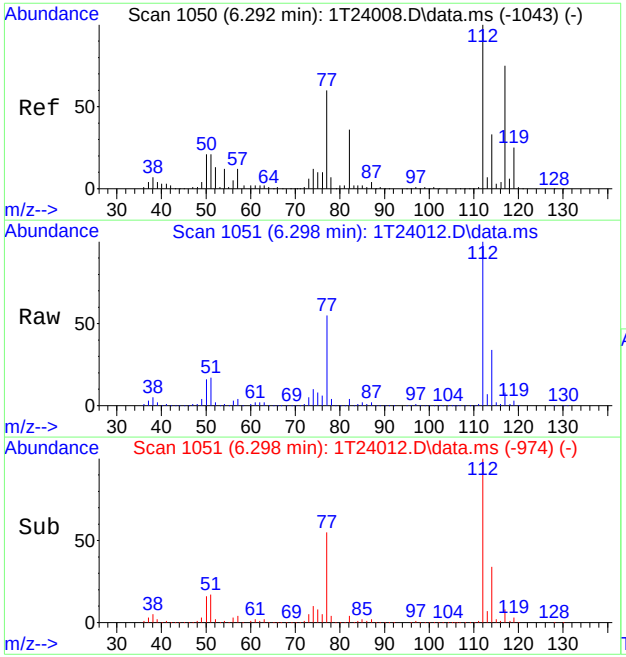


#84
n-butyl ether
Concen: 221.54 ug/L
RT: 6.282 min Scan# 1048
Delta R.T. 0.006 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion: 57 Resp: 3623909

Ion	Ratio	Lower	Upper
57	100		
56	16.5	0.0	46.4
87	24.5	0.0	51.4
101	5.3	0.0	34.3

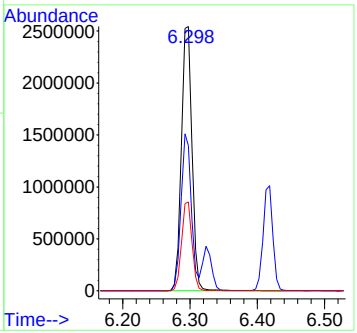


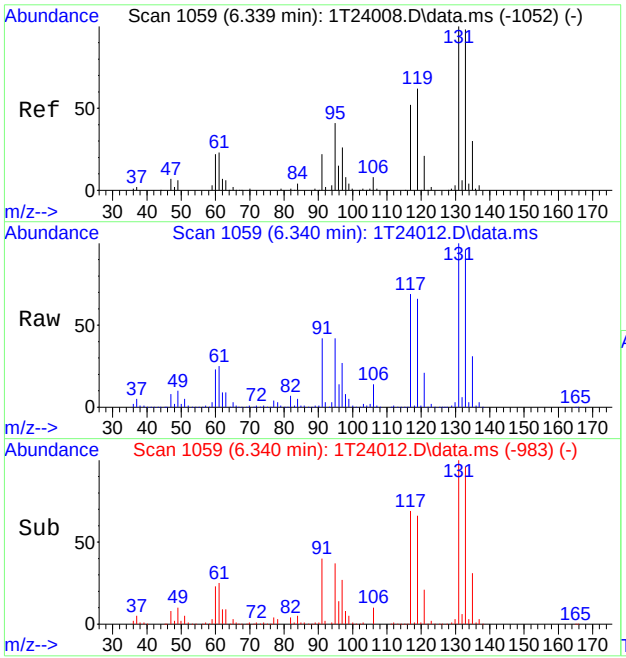


#85
chlorobenzene
Concen: 191.25 ug/L
RT: 6.298 min Scan# 1051
Delta R.T. 0.006 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion:112 Resp: 2798482

Ion	Ratio	Lower	Upper
112	100		
77	55.0	29.6	89.6
114	33.6	3.1	63.1

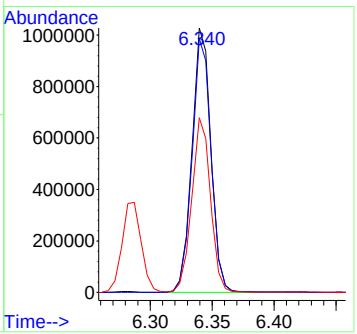


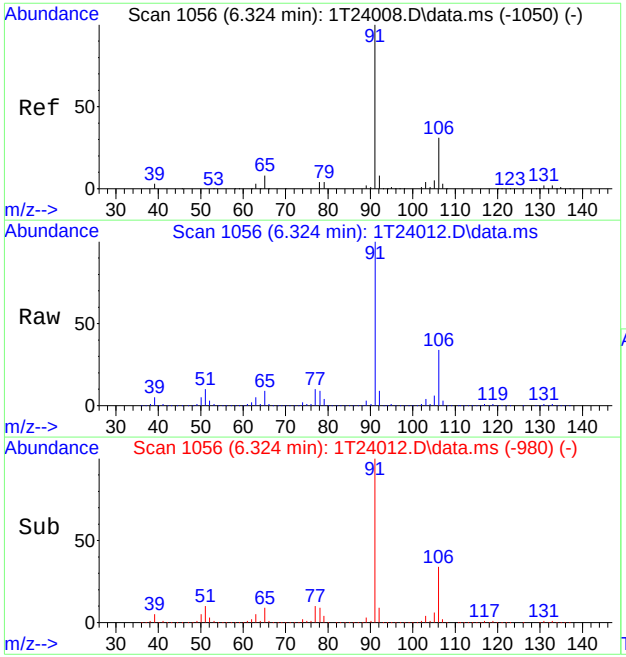


#86
1,1,1,2-tetrachloroethane
Concen: 220.03 ug/L
RT: 6.340 min Scan# 1059
Delta R.T. 0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion:131 Resp: 1099193

Ion	Ratio	Lower	Upper
131	100		
133	96.0	67.5	127.5
119	65.9	36.1	96.1

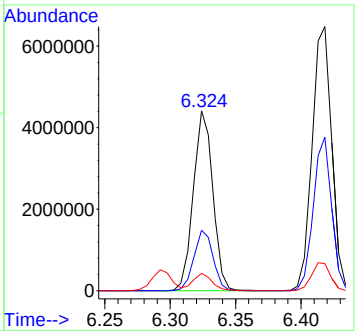


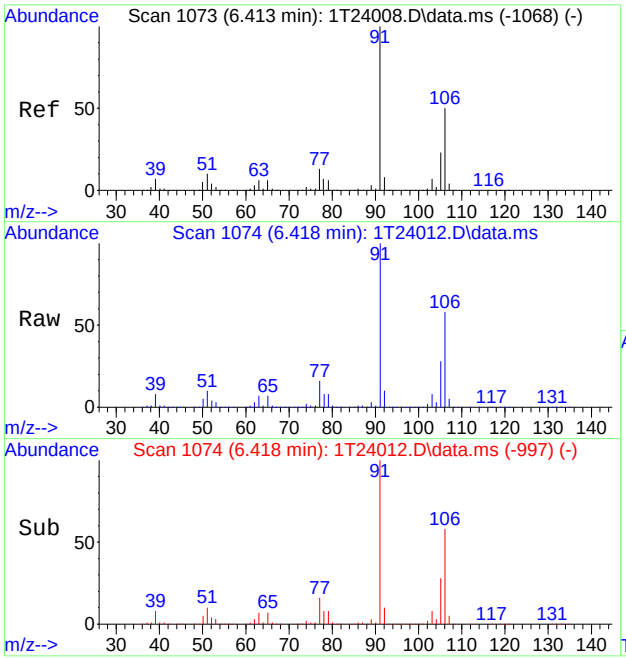


#87
ethylbenzene
Concen: 195.96 ug/L
RT: 6.324 min Scan# 1056
Delta R.T. 0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion: 91 Resp: 4581271

Ion	Ratio	Lower	Upper
91	100		
106	33.6	1.3	61.3
51	9.7	0.0	39.0

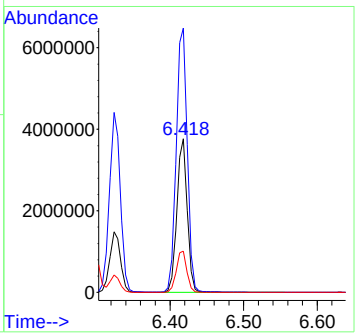


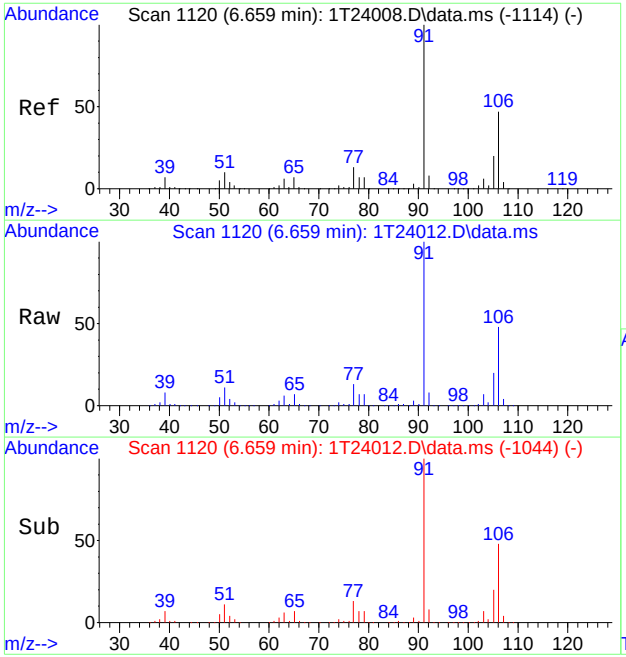


#88
m,p-xylene
Concen: 411.08 ug/L
RT: 6.418 min Scan# 1074
Delta R.T. 0.006 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion:106 Resp: 3684471

Ion	Ratio	Lower	Upper
106	100		
91	172.3	169.8	229.8
77	26.9	6.7	46.7

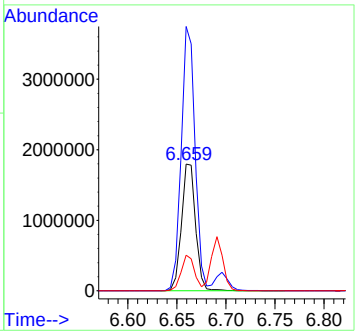


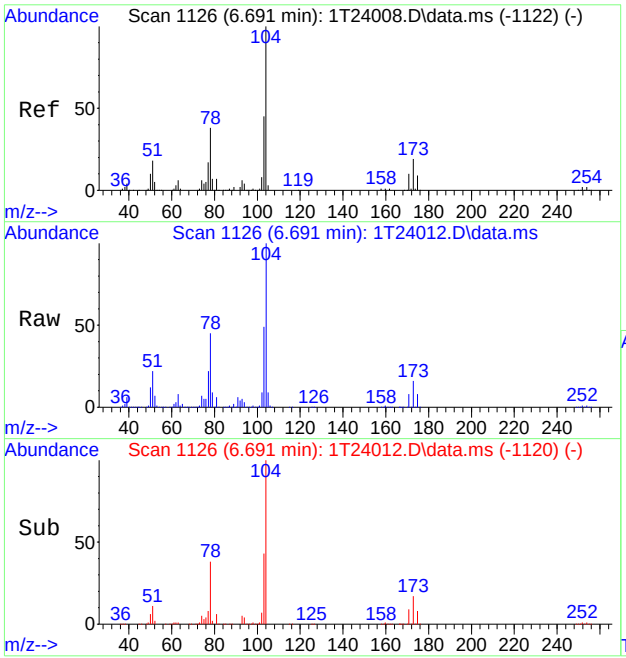


#89
o-xylene
Concen: 217.84 ug/L
RT: 6.659 min Scan# 1120
Delta R.T. 0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion:106 Resp: 1796221

Ion	Ratio	Lower	Upper
106	100		
91	208.6	181.7	241.7
77	28.1	6.5	46.5

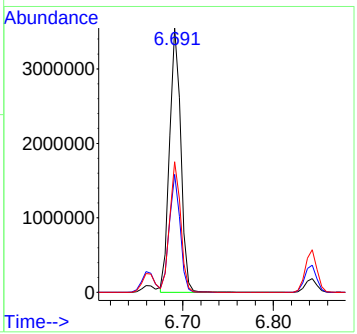


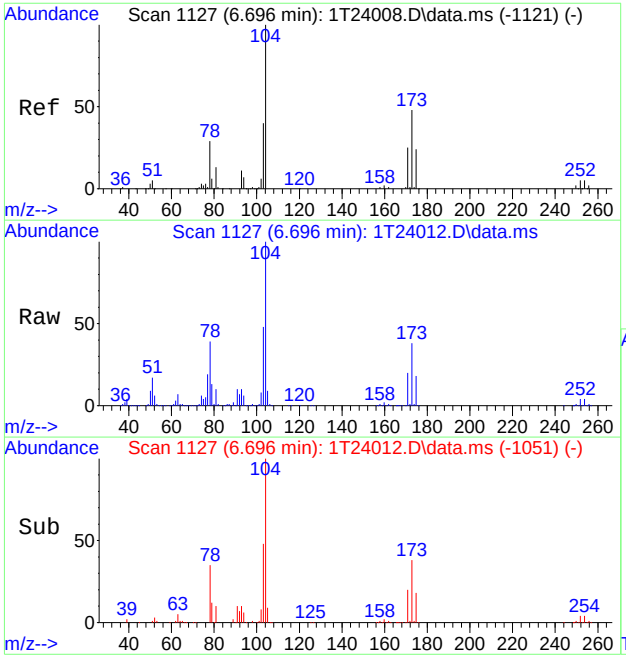


#90
styrene
Concen: 233.66 ug/L
RT: 6.691 min Scan# 1126
Delta R.T. 0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion:104 Resp: 3079405

Ion	Ratio	Lower	Upper
104	100		
78	44.6	9.6	69.6
103	49.3	16.5	76.5

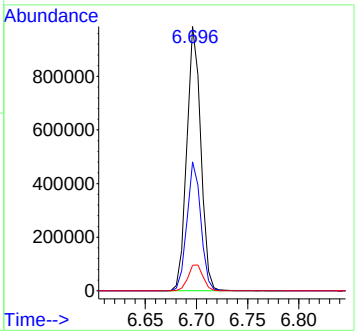


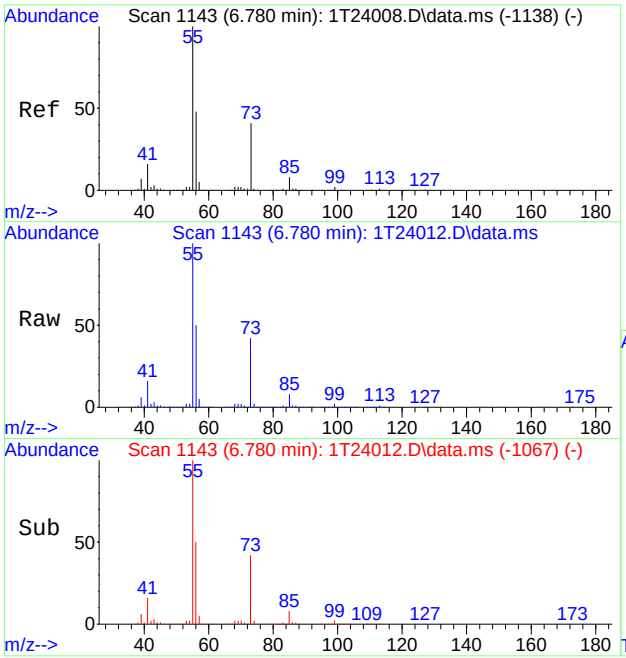


#91
bromoform
Concen: 217.96 ug/L
RT: 6.696 min Scan# 1127
Delta R.T. 0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion:173 Resp: 938851

Ion	Ratio	Lower	Upper
173	100		
175	48.8	19.5	79.5
254	9.7	0.0	40.4

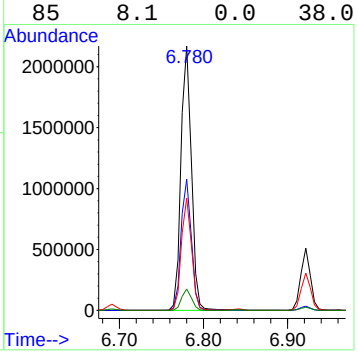


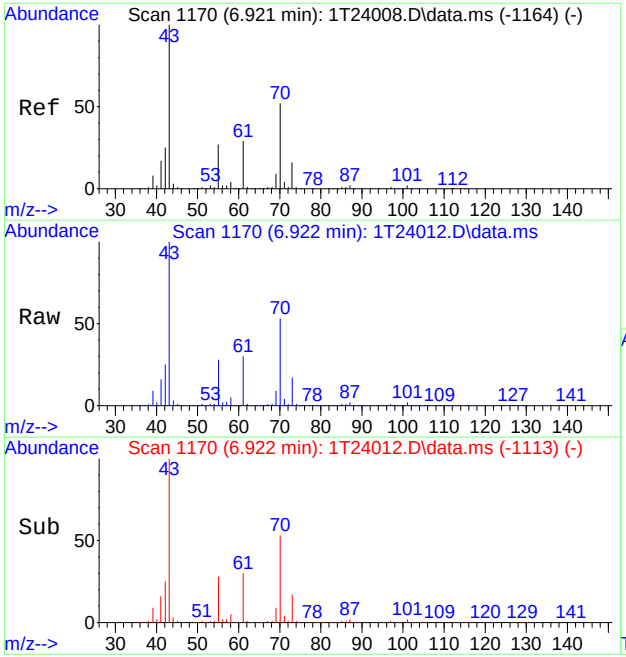


#92
butyl acrylate
Concen: 243.68 ug/L
RT: 6.780 min Scan# 1143
Delta R.T. 0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion: 55 Resp: 1873649

Ion	Ratio	Lower	Upper
55	100		
56	49.6	18.5	78.5
73	42.5	10.6	70.6
85	8.1	0.0	38.0

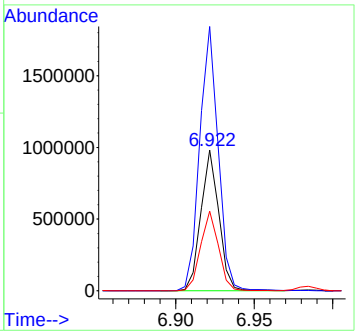


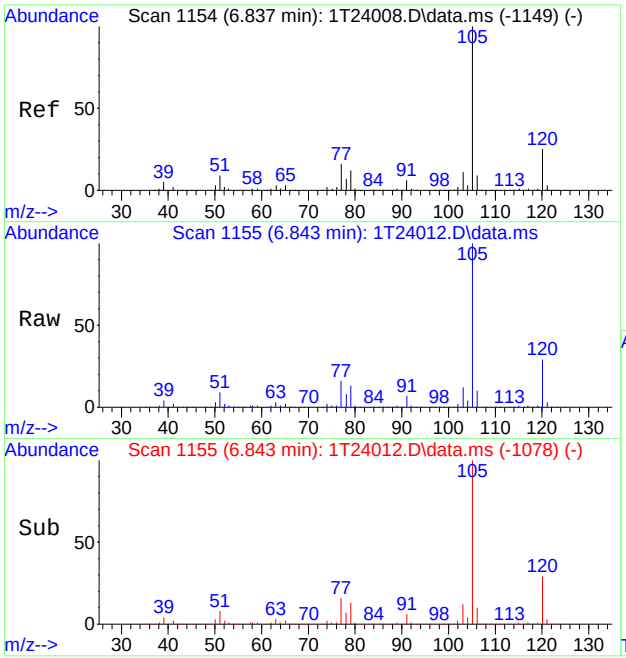


#93
n-amyl acetate
Concen: 239.71 ug/L
RT: 6.922 min Scan# 1170
Delta R.T. 0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion: 70 Resp: 784476

Ion	Ratio	Lower	Upper
70	100		
43	188.0	171.9	211.9
61	56.6	35.4	75.4

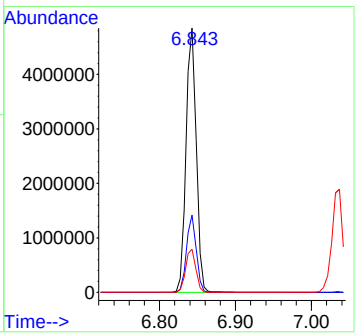


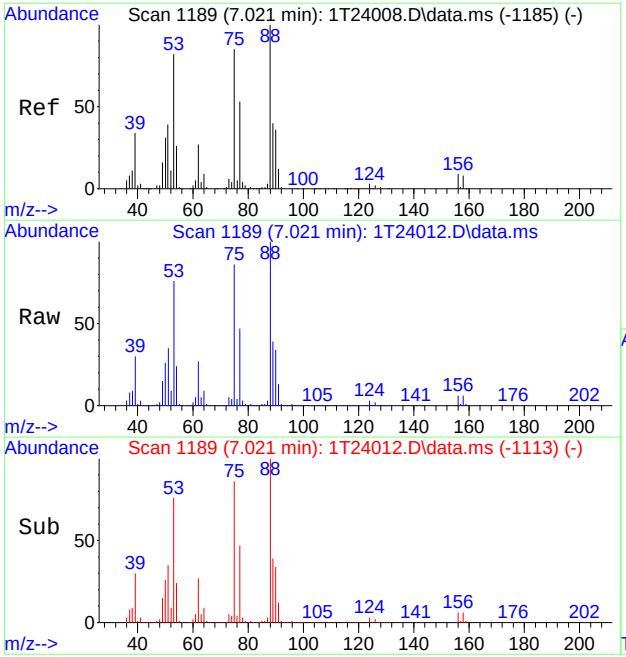


#94
isopropylbenzene
Concen: 215.52 ug/L
RT: 6.843 min Scan# 1155
Delta R.T. 0.006 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion:105 Resp: 4526232

Ion	Ratio	Lower	Upper
105	100		
120	29.2	5.3	45.3
77	16.3	0.0	36.1

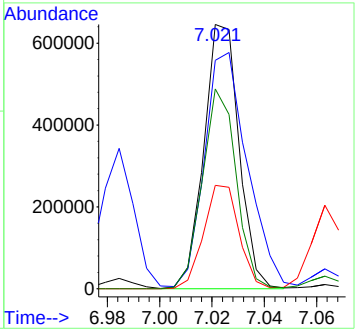


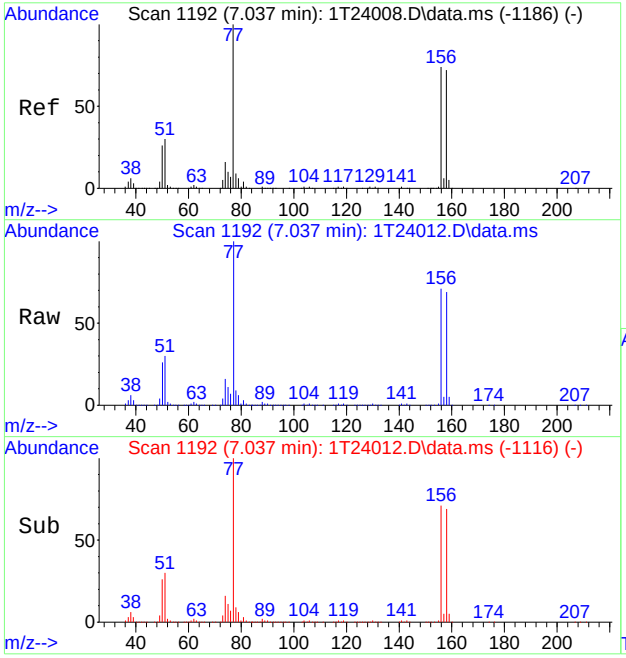


#95
cis-1,4-dichloro-2-butene
Concen: 242.42 ug/L
RT: 7.021 min Scan# 1189
Delta R.T. 0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion: 88 Resp: 607364

Ion	Ratio	Lower	Upper
88	100		
75	85.4	67.1	107.1
89	39.1	19.7	59.7
53	75.6	61.6	101.6

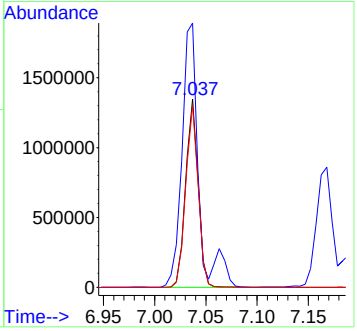


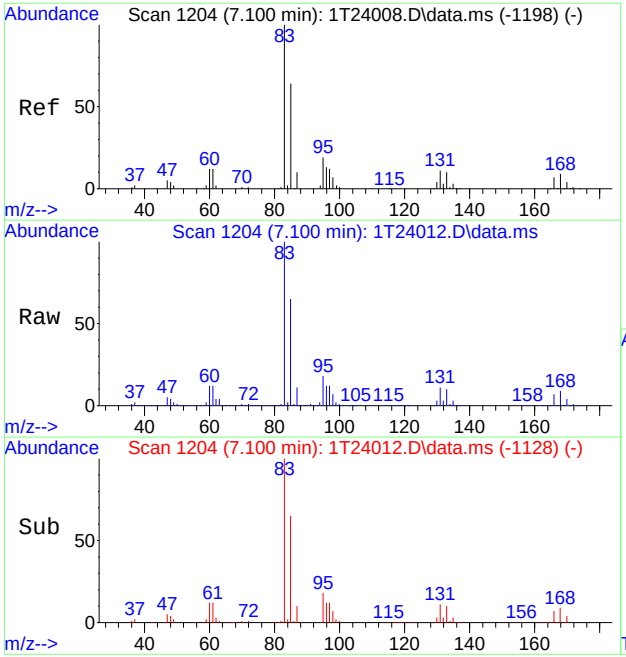


#98
bromobenzene
Concen: 204.53 ug/L
RT: 7.037 min Scan# 1192
Delta R.T. 0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion:156 Resp: 1148325

Ion	Ratio	Lower	Upper
156	100		
77	140.2	104.6	164.6
158	96.5	67.1	127.1

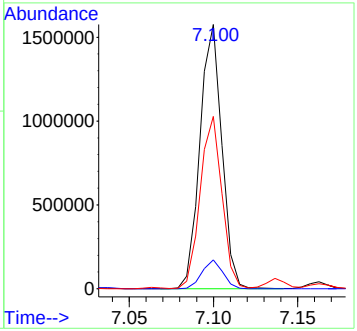


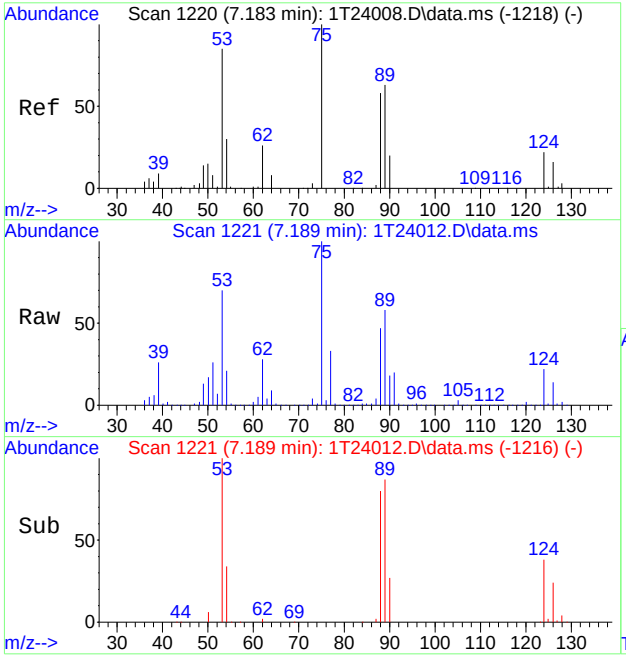


#99
1,1,2,2-tetrachloroethane
Concen: 207.23 ug/L
RT: 7.100 min Scan# 1204
Delta R.T. 0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion: 83 Resp: 1431954

Ion	Ratio	Lower	Upper
83	100		
131	10.9	0.0	40.9
85	64.9	34.4	94.4

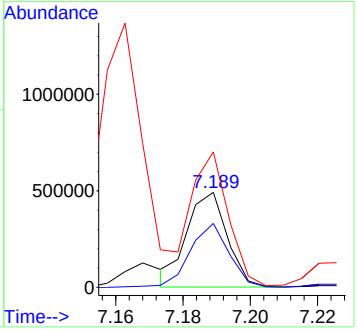


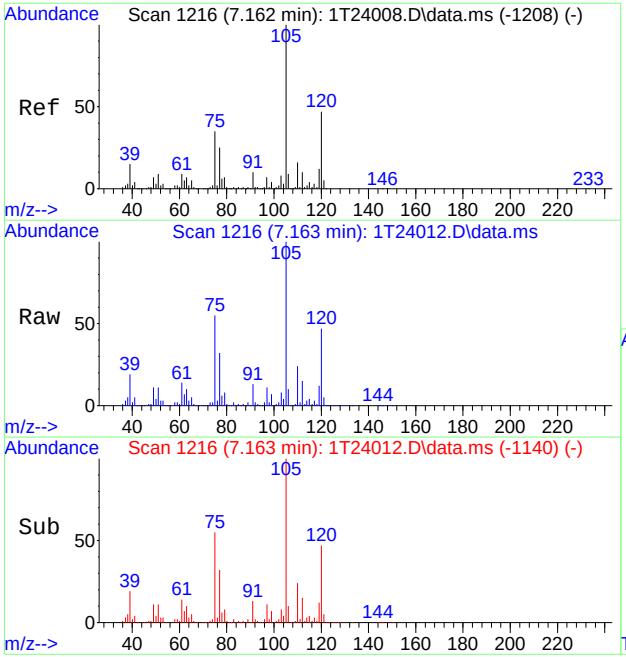


#100
trans-1,4-dichloro-2-butene
Concen: 233.45 ug/L
RT: 7.189 min Scan# 1221
Delta R.T. 0.006 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion: 53 Resp: 408263

Ion	Ratio	Lower	Upper
53	100		
88	67.1	29.6	89.6
75	140.9	97.1	157.1

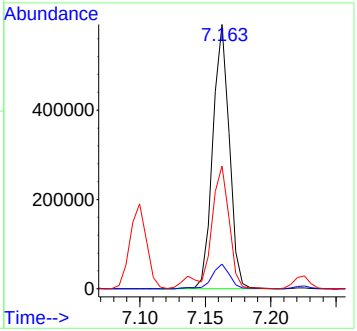


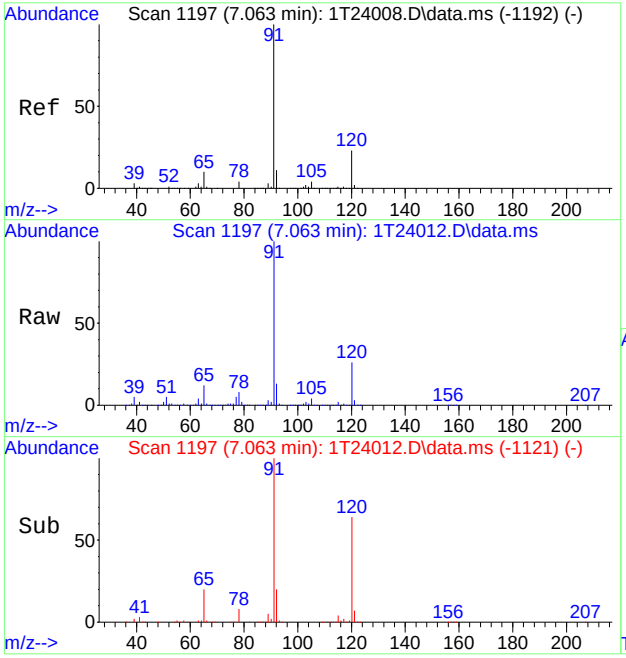


#101
1,2,3-trichloropropane
Concen: 212.28 ug/L
RT: 7.163 min Scan# 1216
Delta R.T. 0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion:110 Resp: 520149

Ion	Ratio	Lower	Upper
110	100		
111	9.3	0.0	39.0
97	46.3	15.1	75.1

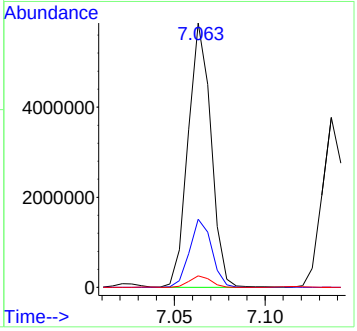


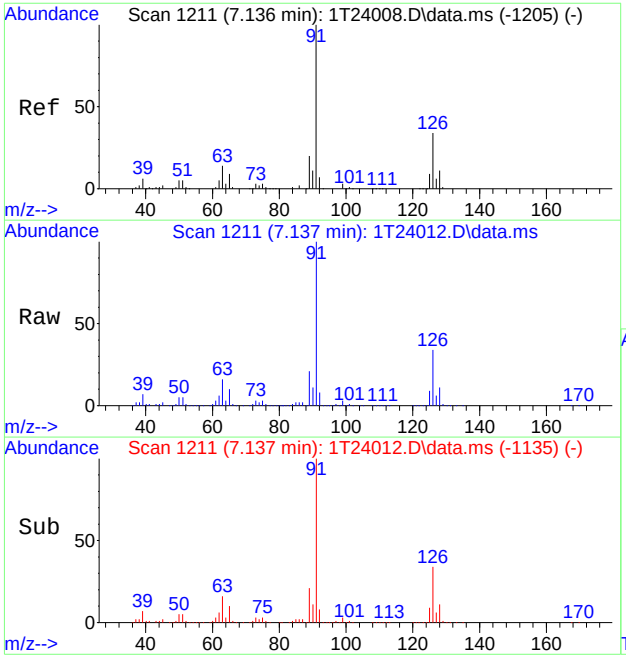


#102
n-propylbenzene
Concen: 207.74 ug/L
RT: 7.063 min Scan# 1197
Delta R.T. 0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion: 91 Resp: 5151310

Ion	Ratio	Lower	Upper
91	100		
120	25.8	0.0	53.1
105	4.4	0.0	33.9

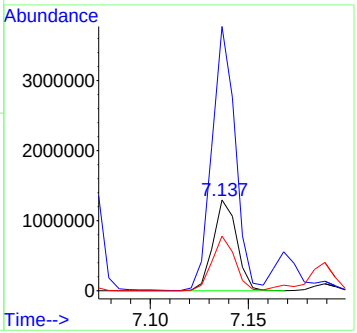


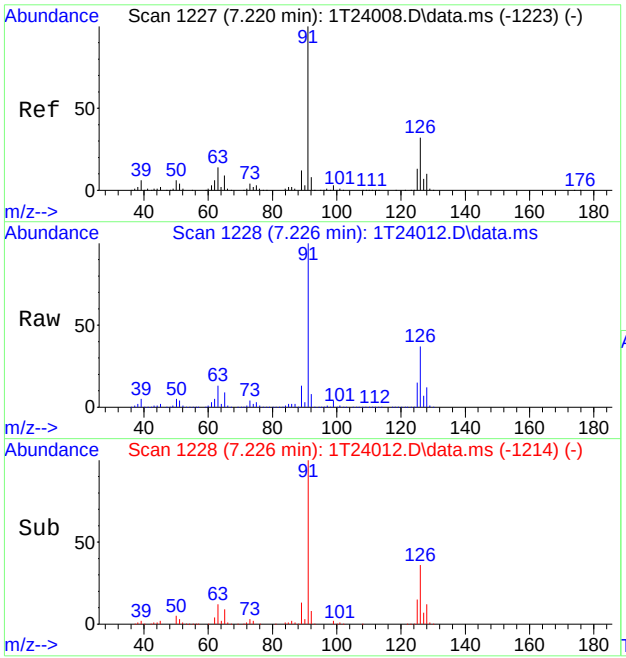


#103
2-chlorotoluene
Concen: 216.98 ug/L
RT: 7.137 min Scan# 1211
Delta R.T. 0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion:126 Resp: 1090008

Ion	Ratio	Lower	Upper
126	100		
91	290.2	263.0	323.0
89	60.2	27.6	87.6

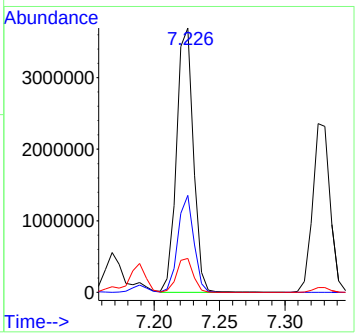


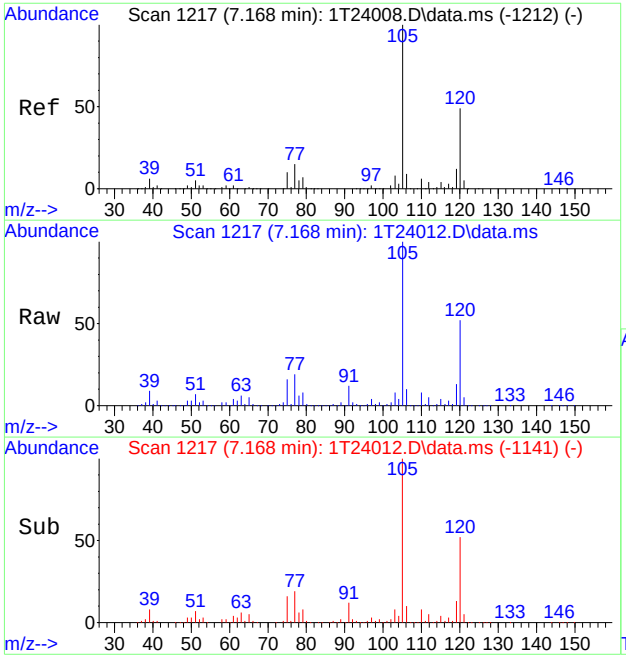


#104
4-chlorotoluene
Concen: 210.72 ug/L
RT: 7.226 min Scan# 1228
Delta R.T. 0.006 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion: 91 Resp: 3307913

Ion	Ratio	Lower	Upper
91	100		
126	36.6	2.2	62.2
89	12.8	0.0	42.5

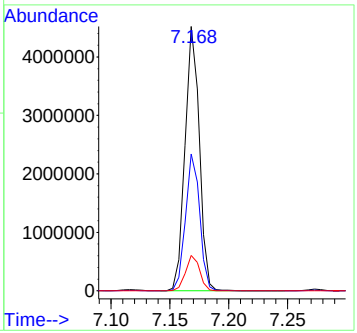


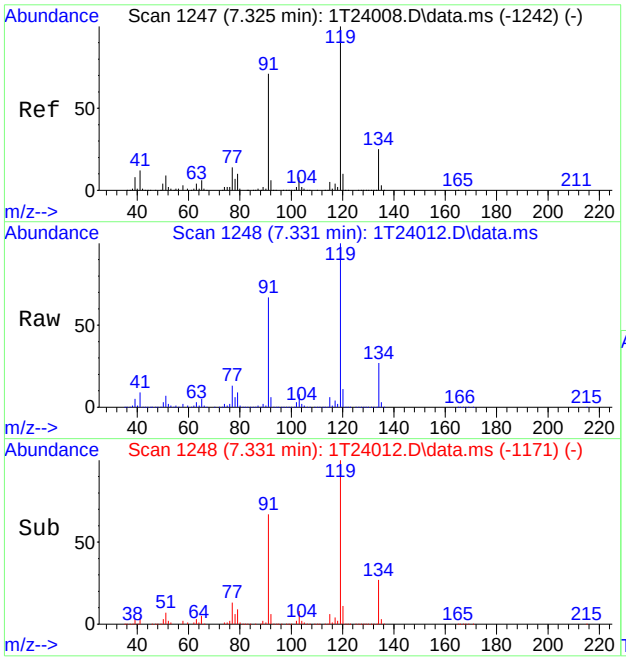


#105
1,3,5-trimethylbenzene
Concen: 225.00 ug/L
RT: 7.168 min Scan# 1217
Delta R.T. 0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion:105 Resp: 3830127

Ion	Ratio	Lower	Upper
105	100		
120	51.7	19.0	79.0
119	13.4	0.0	42.2

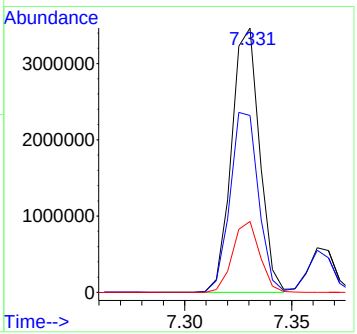


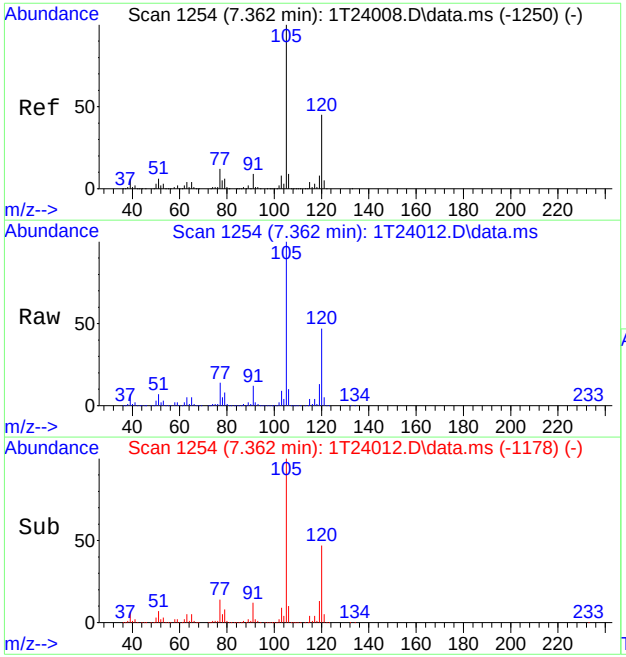


#106
tert-butylbenzene
Concen: 236.04 ug/L
RT: 7.331 min Scan# 1248
Delta R.T. 0.006 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion:119 Resp: 3159617

Ion	Ratio	Lower	Upper
119	100		
91	66.8	40.9	100.9
134	26.9	0.0	54.5

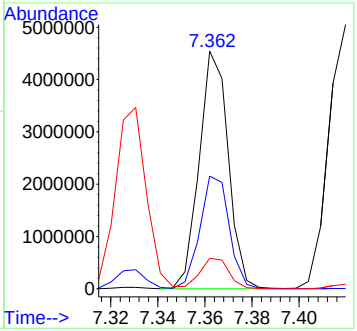


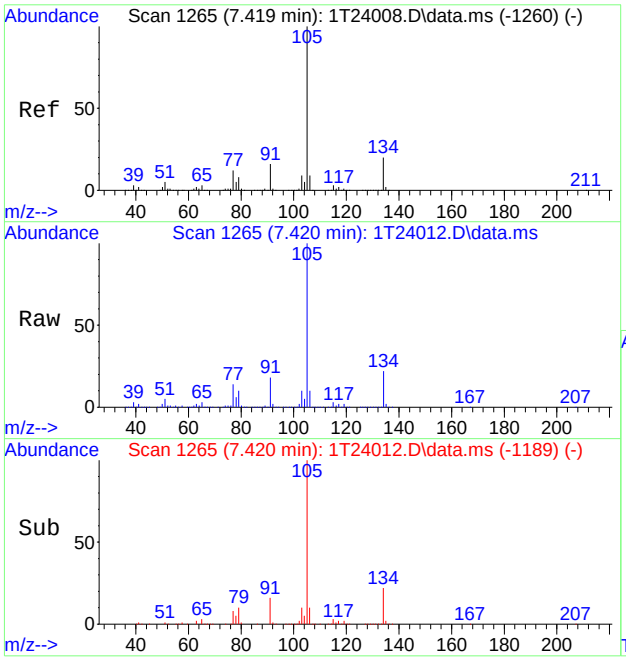


#107
1,2,4-trimethylbenzene
Concen: 227.15 ug/L
RT: 7.362 min Scan# 1254
Delta R.T. 0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion:105 Resp: 3901785

Ion	Ratio	Lower	Upper
105	100		
120	47.4	15.8	75.8
119	12.8	0.0	42.2

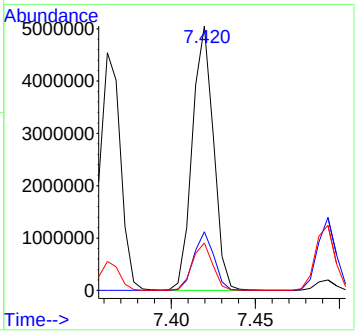


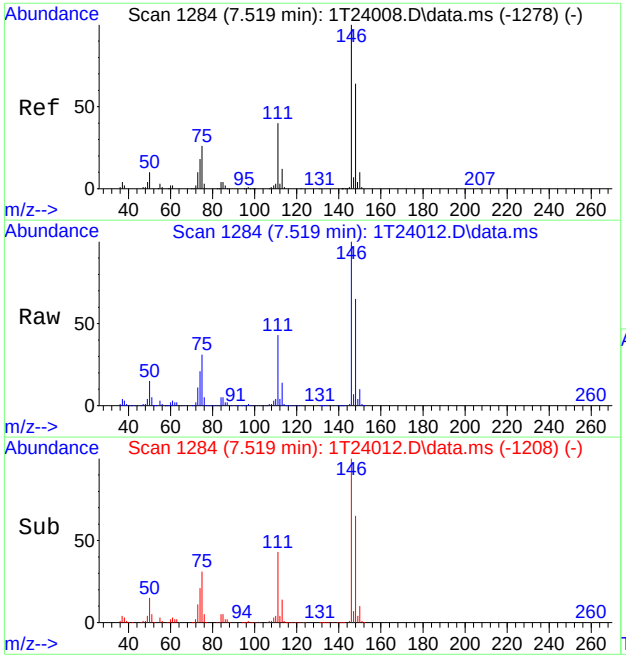


#108
sec-butylbenzene
Concen: 229.85 ug/L
RT: 7.420 min Scan# 1265
Delta R.T. 0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion:105 Resp: 4419274

Ion	Ratio	Lower	Upper
105	100		
134	22.2	0.0	50.4
91	17.9	0.0	45.8

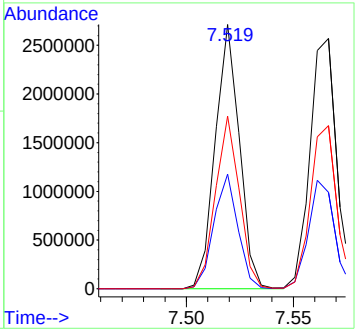


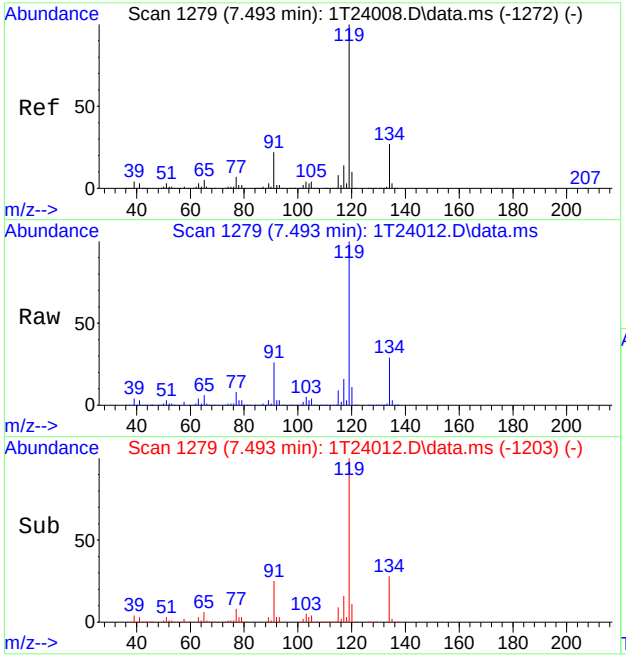


#109
1,3-dichlorobenzene
Concen: 205.41 ug/L
RT: 7.519 min Scan# 1284
Delta R.T. 0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion:146 Resp: 2146168

Ion	Ratio	Lower	Upper
146	100		
111	43.3	9.6	69.6
148	65.3	33.7	93.7

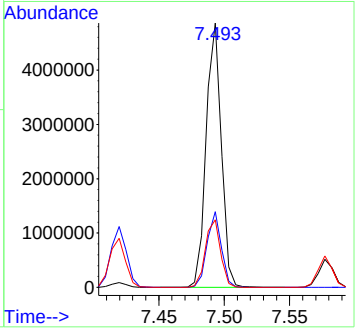


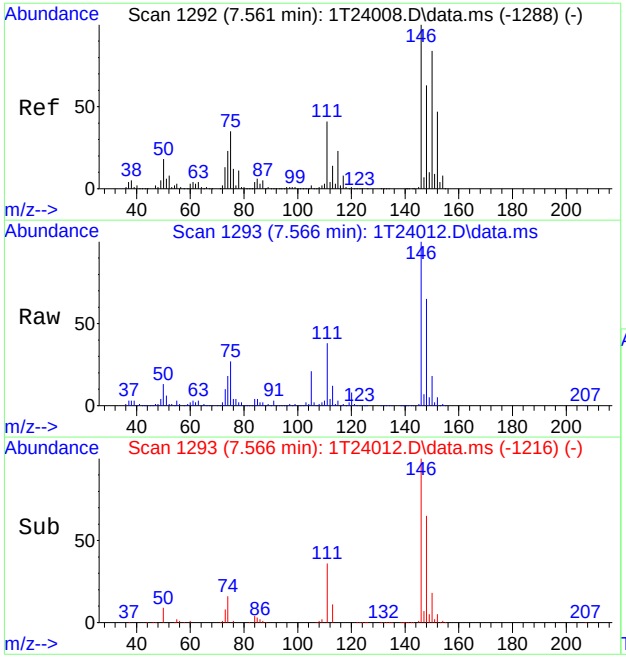


#110
p-isopropyltoluene
Concen: 237.90 ug/L
RT: 7.493 min Scan# 1279
Delta R.T. 0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion:119 Resp: 3926189

Ion	Ratio	Lower	Upper
119	100		
134	28.6	0.0	56.8
91	25.6	0.0	52.2

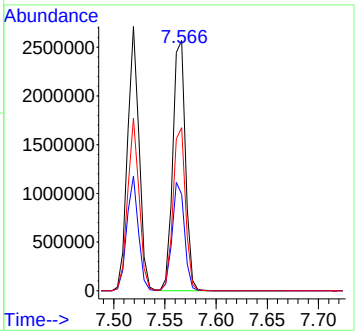


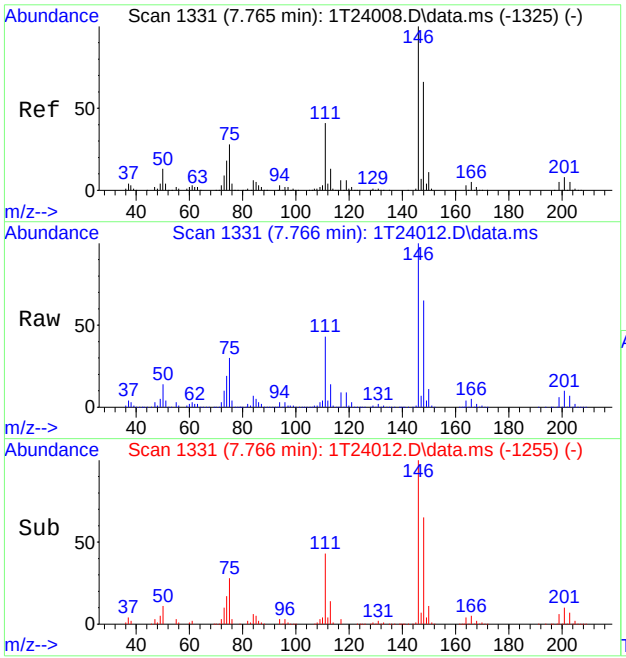


#111
1,4-dichlorobenzene
Concen: 194.60 ug/L
RT: 7.566 min Scan# 1293
Delta R.T. 0.006 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion:146 Resp: 2198117

Ion	Ratio	Lower	Upper
146	100		
111	38.5	10.8	70.8
148	65.1	33.2	93.2

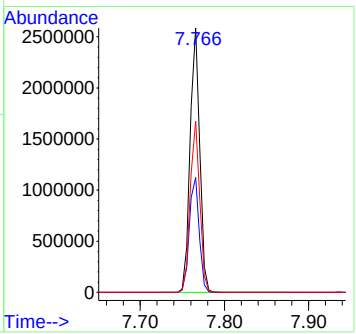


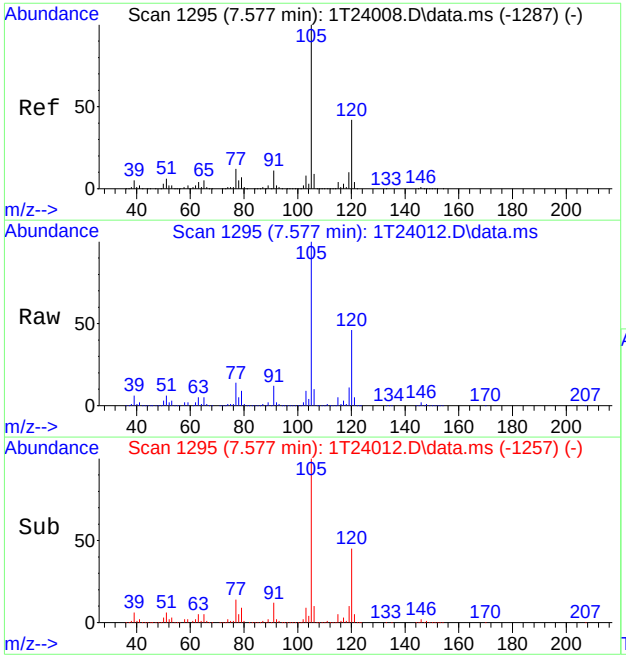


#112
1,2-dichlorobenzene
Concen: 203.46 ug/L
RT: 7.766 min Scan# 1331
Delta R.T. 0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion:146 Resp: 2063442

Ion	Ratio	Lower	Upper
146	100		
111	43.4	11.3	71.3
148	64.8	36.2	96.2

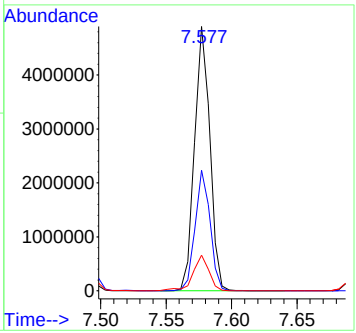


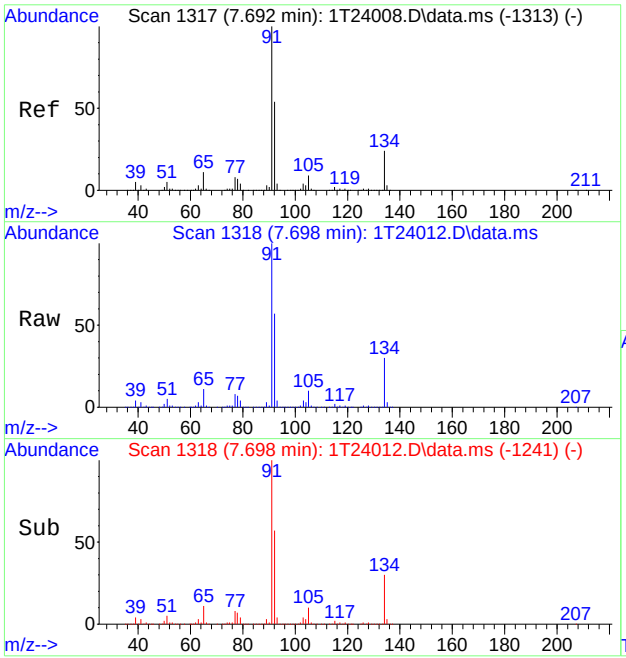


#113
1,2,3-trimethylbenzene
Concen: 205.05 ug/L
RT: 7.577 min Scan# 1295
Delta R.T. 0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion:105 Resp: 3999620

Ion	Ratio	Lower	Upper
105	100		
120	45.6	12.2	72.2
77	13.5	0.0	41.7

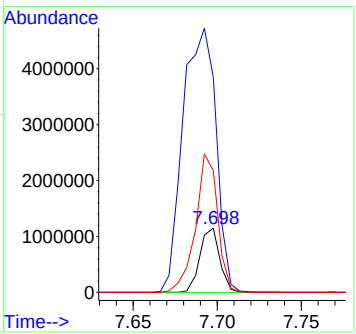


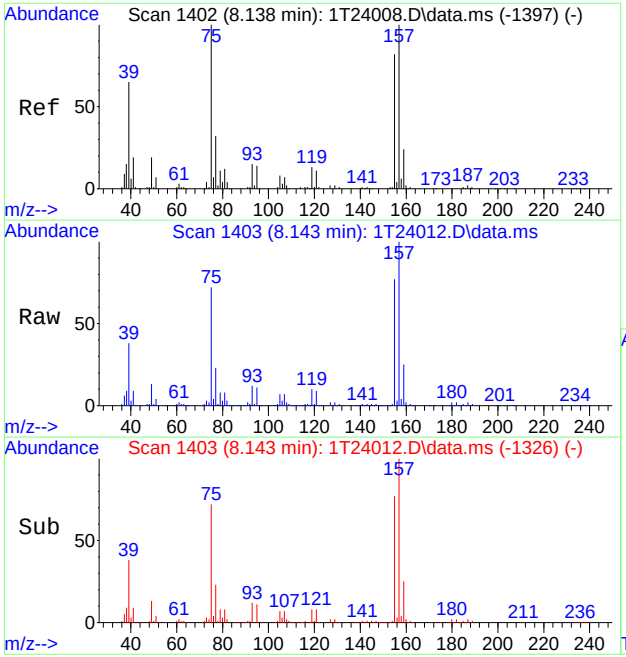


#114
n-butylbenzene
Concen: 236.74 ug/L
RT: 7.698 min Scan# 1318
Delta R.T. 0.006 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion:134 Resp: 944426

Ion	Ratio	Lower	Upper
134	100		
91	334.1	429.9	489.9#
92	189.2	199.0	259.0#

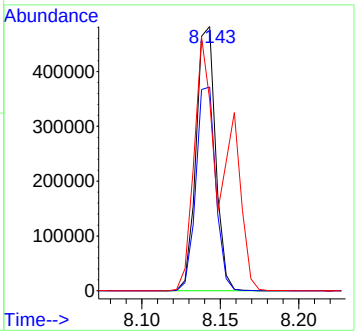


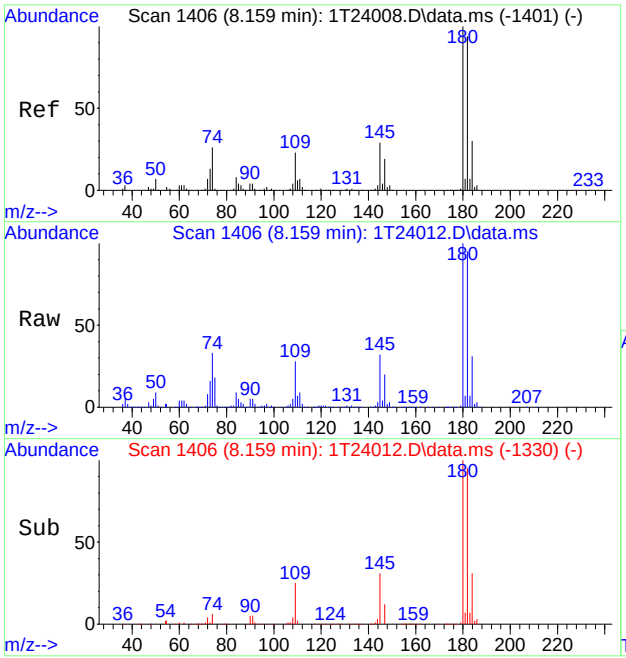


#115
1,2-dibromo-3-chloropropane
Concen: 203.63 ug/L
RT: 8.143 min Scan# 1403
Delta R.T. 0.006 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion:157 Resp: 417674

Ion	Ratio	Lower	Upper
157	100		
155	77.1	51.9	111.9
75	72.1	70.0	130.0

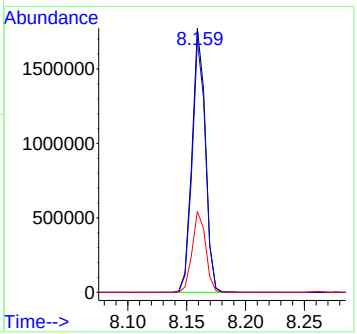


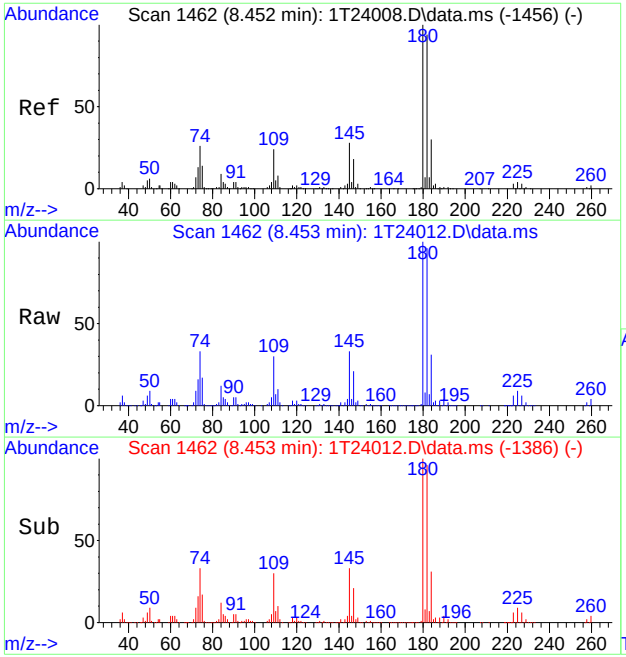


#116
1,3,5-trichlorobenzene
Concen: 211.70 ug/L
RT: 8.159 min Scan# 1406
Delta R.T. 0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion:180 Resp: 1403554

Ion	Ratio	Lower	Upper
180	100		
182	95.2	73.5	113.5
184	30.7	10.1	50.1

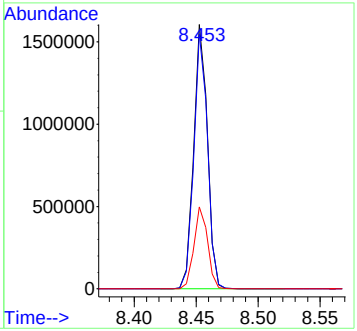


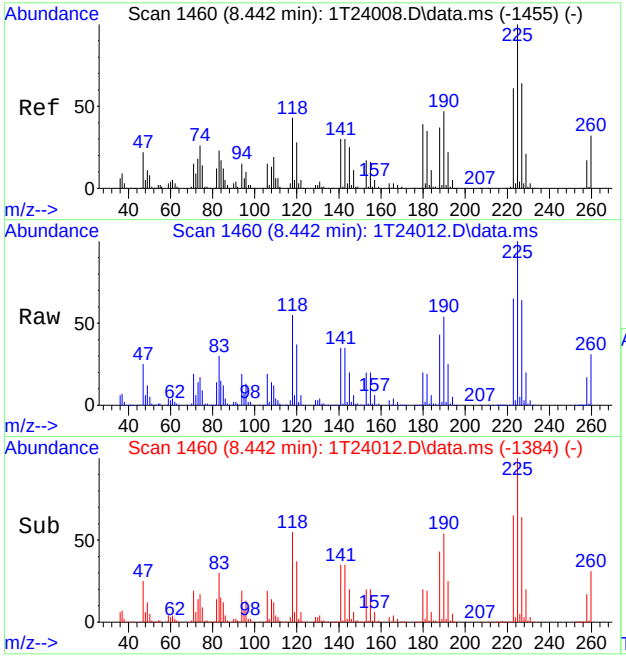


#117
1,2,4-trichlorobenzene
Concen: 218.11 ug/L
RT: 8.453 min Scan# 1462
Delta R.T. 0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion:180 Resp: 1243766

Ion	Ratio	Lower	Upper
180	100		
182	96.5	64.0	124.0
184	31.0	0.0	59.7

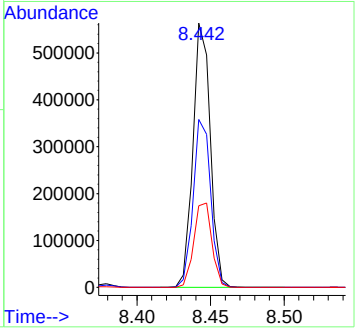


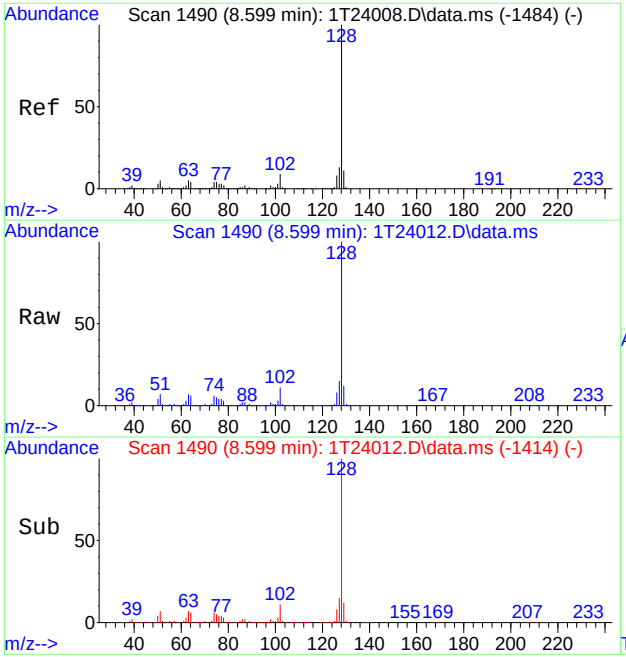


#118
hexachlorobutadiene
Concen: 189.78 ug/L
RT: 8.442 min Scan# 1460
Delta R.T. 0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion:225 Resp: 462913

Ion	Ratio	Lower	Upper
225	100		
227	63.5	34.1	94.1
260	30.9	1.5	61.5

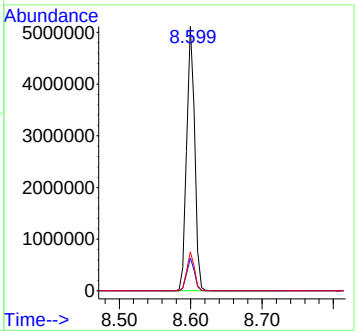


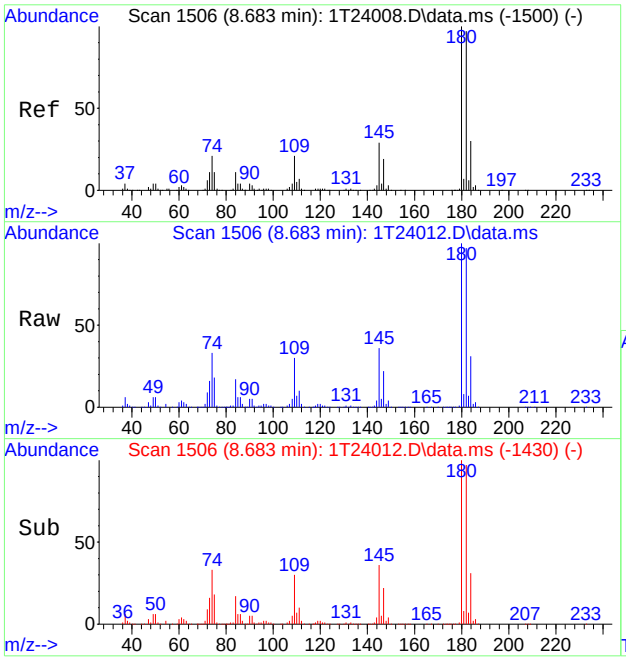


#119
naphthalene
Concen: 234.43 ug/L
RT: 8.599 min Scan# 1490
Delta R.T. 0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion:128 Resp: 3999756

Ion	Ratio	Lower	Upper
128	100		
129	12.4	0.0	40.7
127	14.8	0.0	43.4

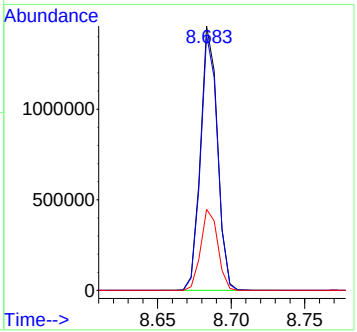


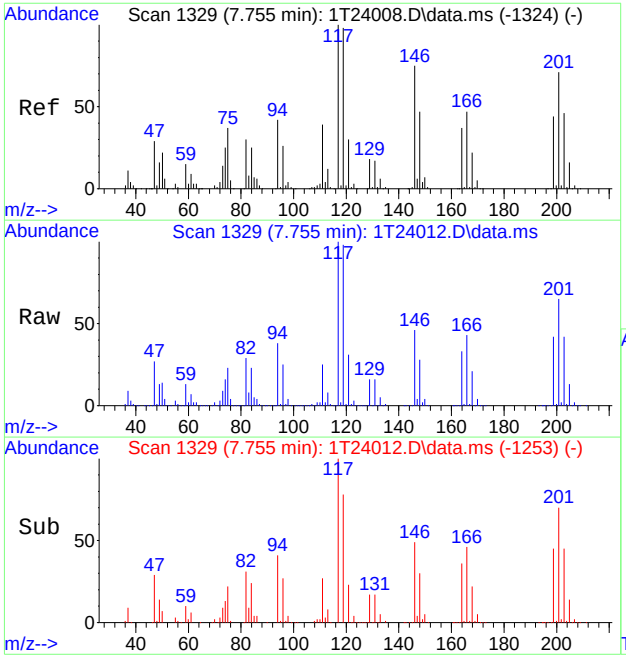


#120
1,2,3-trichlorobenzene
Concen: 215.90 ug/L
RT: 8.683 min Scan# 1506
Delta R.T. 0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion:180 Resp: 1168343

Ion	Ratio	Lower	Upper
180	100		
182	96.5	66.5	126.5
184	30.7	0.0	59.6

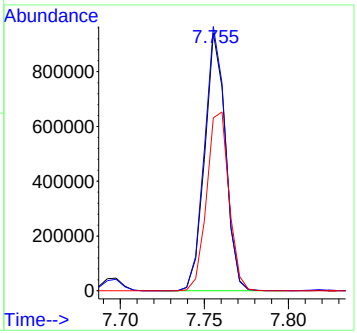


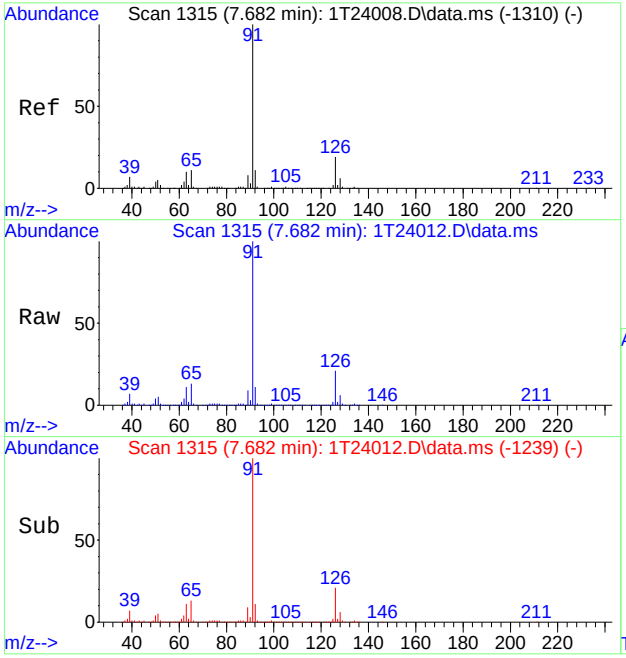


#121
hexachloroethane
Concen: 246.83 ug/L
RT: 7.755 min Scan# 1329
Delta R.T. 0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion:119 Resp: 807685

Ion	Ratio	Lower	Upper
119	100		
117	102.5	71.7	131.7
201	67.1	42.0	102.0

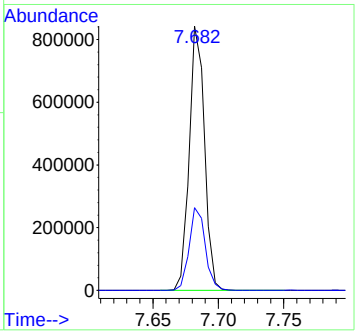


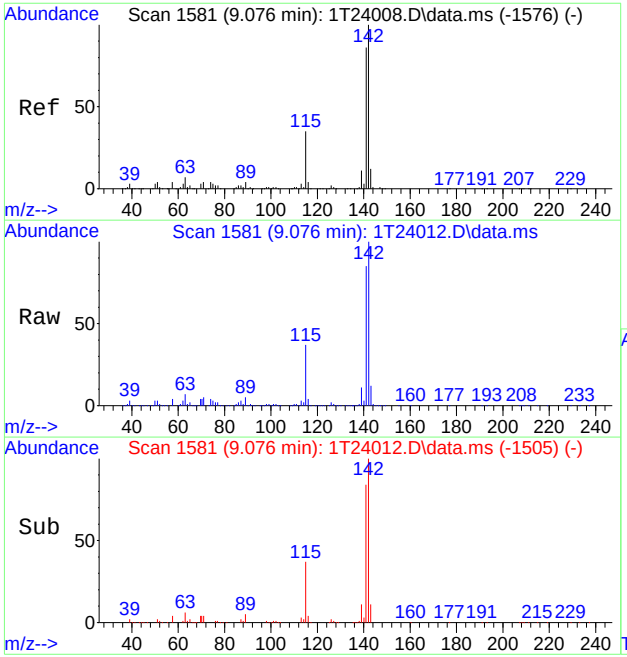


#122
benzyl chloride
Concen: 245.94 ug/L
RT: 7.682 min Scan# 1315
Delta R.T. 0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion:126 Resp: 682944

Ion	Ratio	Lower	Upper
126	100		
128	31.3	1.7	61.7

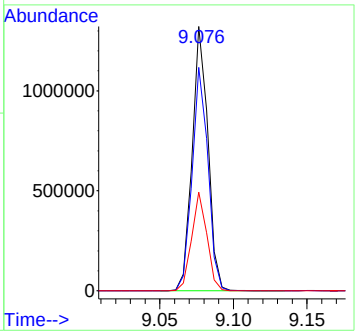




#123
2-methylnaphthalene
Concen: 142.63 ug/L
RT: 9.076 min Scan# 1581
Delta R.T. 0.000 min
Lab File: 1T24012.D
Acq: 18 Sep 2025 02:24 pm

Tgt Ion:142 Resp: 985198

Ion	Ratio	Lower	Upper
142	100		
141	84.5	55.9	115.9
115	37.3	5.4	65.4



7.6.24

7

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 09/19/25 18:04

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VT579\
Data File : 1T24018.D
Acq On : 18 Sep 2025 03:47 pm
Operator : edwardd
Sample : icv579-50
Misc : MS96870,V1T0579,5,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 19 12:06:15 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 11:55:28 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	1.988	65	295065	500.00	ug/L	0.00
5) pentafluorobenzene	3.728	168	676887	50.00	ug/L	0.00
50) 1,4-difluorobenzene	4.311	114	1144661	50.00	ug/L	0.00
72) chlorobenzene-d5	6.282	117	972155	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	7.556	152	504174	50.00	ug/L	0.00
124) pentafluorobenzene(a)	3.728	168	676887	50.00	ug/L	0.00
132) 1,4-dichlorobenzene-d4(a)	7.556	152	504174	50.00	ug/L	0.00
System Monitoring Compounds						
42) dibromofluoromethane (s)	3.183	113	382604	47.79	ug/L	0.00
Spiked Amount 50.000	Range 75 - 127		Recovery = 95.58%			
51) 1,2-dichloroethane-d4 (s)	3.739	65	432167	50.52	ug/L	0.00
Spiked Amount 50.000	Range 75 - 130		Recovery = 101.04%			
73) toluene-d8 (s)	5.328	98	1298883	49.29	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.58%			
97) 4-bromofluorobenzene (s)	6.984	95	479769	51.45	ug/L	0.00
Spiked Amount 50.000	Range 79 - 127		Recovery = 102.90%			
Target Compounds						Qvalue
2) ethanol	1.469	45	159142	3642.9913	ug/L	97
3) tertiary butyl alcohol	2.035	59	127496	252.3886	ug/L	97
4) 1,4-dioxane	4.924	88	41641	1176.4598	ug/L	92
7) dichlorodifluoromethane	0.881	85	316057	49.9316	ug/L	97
8) chloromethane	0.971	50	191579	51.2005	ug/L	96
9) vinyl chloride	1.002	62	261074	51.2584	ug/L	99
10) 1,3-butadiene	1.007	39	146586	41.8379	ug/L	98
11) bromomethane	1.144	96	151046	50.3390	ug/L #	96
12) chloroethane	1.201	64	193916	42.1204	ug/L	97
13) trichlorofluoromethane	1.264	101	488497	42.9161	ug/L	100
14) ethyl ether	1.406	74	137312	51.2021	ug/L	98
15) acrolein	1.678	56	49767	49.1678	ug/L	94
16) freon 113	1.526	151	177058	48.7099	ug/L	98
17) 1,1-dichloroethene	1.511	61	339430	46.0263	ug/L	99
18) acetone	1.841	58	101124	159.3969	ug/L	91
19) acetonitrile	2.129	41	256815	442.7170	ug/L	98
20) iodomethane	1.589	142	129753	47.5240	ug/L	95
21) carbon disulfide	1.532	76	629007	44.9873	ug/L	99
22) methylene chloride	1.820	84	244078	45.7164	ug/L	97
23) methyl acetate	1.914	74	55182	54.6501	ug/L	96
24) methyl tert butyl ether	1.983	73	593580	52.5038	ug/L	93
25) trans-1,2-dichloroethene	1.914	96	241157	48.0809	ug/L	98
26) hexane	1.967	57	372221	57.5424	ug/L	99
27) di-isopropyl ether	2.239	45	470149	56.0356	ug/L	97
28) ethyl tert-butyl ether	2.517	59	549505	50.1848	ug/L	98
29) 2-butanone	3.309	72	137568	186.9238	ug/L	90
30) 1,1-dichloroethane	2.318	63	378154	50.1734	ug/L	99
31) chloroprene	2.302	53	291950	46.4642	ug/L	99
32) acrylonitrile	2.344	52	78862	52.5134	ug/L	98
33) vinyl acetate	2.512	86	45900	40.3589	ug/L #	85
34) ethyl acetate	3.147	70	32858	48.1329	ug/L	99
35) 2,2-dichloropropane	2.842	77	340376	55.0633	ug/L	98
36) cis-1,2-dichloroethene	2.748	96	231224	52.3469	ug/L	97
37) propionitrile	3.608	54	384476	483.5782	ug/L	98
38) methyl acrylate	3.147	85	43047	46.5624	ug/L #	86
39) bromochloromethane	2.926	128	113028	50.3975	ug/L	95
40) tetrahydrofuran	3.157	71	35364	48.9657	ug/L	96
41) chloroform	3.005	47	92257	44.5640	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VT579\
Data File : 1T24018.D
Acq On : 18 Sep 2025 03:47 pm
Operator : edwardd
Sample : icv579-50
Misc : MS96870,V1T0579,5,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 19 12:06:15 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 11:55:28 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) methacrylonitrile	3.639	67	94629	44.3345 ug/L	96
44) 1,1,1-trichloroethane	3.199	97	394844	56.7373 ug/L	96
45) cyclohexane	2.937	84	341073	54.5673 ug/L	99
46) 1,1-dichloropropene	3.330	75	297530	50.8170 ug/L	99
47) carbon tetrachloride	3.136	117	338089	54.8300 ug/L	96
48) isobutyl alcohol	3.938	43	77293	464.8189 ug/L	96
49) tert-amyl alcohol	4.048	55	52342	232.3903 ug/L	93
52) iso-octane	3.472	57	433336	50.1559 ug/L	95
53) benzene	3.592	78	822803	54.9340 ug/L	97
54) tert-amyl methyl ether	3.776	73	520071	52.4045 ug/L	97
55) heptane	3.613	57	97622	58.0529 ug/L	94
56) isopropyl acetate	4.195	87	56050	46.8616 ug/L #	87
57) 1,2-dichloroethane	3.818	62	315587	48.4375 ug/L	98
58) n-butyl alcohol	4.636	56	270592	2335.9950 ug/L	98
59) ethyl acrylate	4.777	55	274507	58.2235 ug/L	100
60) trichloroethene	4.269	130	236161	57.7533 ug/L	93
61) 2-nitropropane	5.485	41	78669m	54.1532 ug/L	
62) 2-chloroethyl vinyl ether	5.191	63	601937	220.6072 ug/L	99
63) methyl methacrylate	4.924	100	78524	65.7023 ug/L	93
64) 1,2-dichloropropane	4.704	63	199698	52.2104 ug/L	100
65) methylcyclohexane	4.253	98	170535	59.5921 ug/L #	97
66) dibromomethane	4.625	93	154040	47.6951 ug/L	91
67) bromodichloromethane	4.772	83	316976	51.9341 ug/L	99
68) epichlorohydrin	5.364	57	142019	253.1019 ug/L	99
69) cis-1,3-dichloropropene	5.212	75	345375	50.3399 ug/L	99
70) 4-methyl-2-pentanone	5.590	58	371305	220.5409 ug/L	98
71) 3-methyl-1-butanol	5.501	70	132244	966.8694 ug/L	94
74) toluene	5.359	92	515797	50.0980 ug/L	100
75) ethyl methacrylate	5.726	69	188383	42.8160 ug/L	99
76) trans-1,3-dichloropropene	5.606	75	343269	56.5957 ug/L	100
77) 1,1,2-trichloroethane	5.700	83	169633	54.9619 ug/L	98
78) tetrachloroethene	5.579	166	248612	57.8250 ug/L	97
79) 2-hexanone	6.125	58	380627	235.3330 ug/L	98
80) 1,3-dichloropropane	5.862	76	351576	55.9229 ug/L	99
81) butyl acetate	6.083	56	128165	58.7149 ug/L	96
82) dibromochloromethane	5.805	129	248472	53.1134 ug/L	99
83) 1,2-dibromoethane	5.941	107	221894	54.6031 ug/L	99
84) n-butyl ether	6.277	57	803148	59.1681 ug/L	98
85) chlorobenzene	6.292	112	594238	49.8415 ug/L	97
86) 1,1,1,2-tetrachloroethane	6.340	131	220833	53.3944 ug/L	97
87) ethylbenzene	6.324	91	1004484	52.5922 ug/L	100
88) m,p-xylene	6.413	106	798266	108.4412 ug/L	98
89) o-xylene	6.659	106	388945	57.0431 ug/L	99
90) styrene	6.691	104	470531	42.8042 ug/L	97
91) bromoform	6.696	173	183967	51.6453 ug/L	98
92) butyl acrylate	6.780	55	395995	61.4088 ug/L	99
93) n-amyl acetate	6.922	70	162929	59.3312 ug/L	98
94) isopropylbenzene	6.843	105	955267	55.1251 ug/L	97
95) cis-1,4-dichloro-2-butene	7.021	88	109634	52.0631 ug/L	98
98) bromobenzene	7.037	156	246571	49.8976 ug/L	99
99) 1,1,2,2-tetrachloroethane	7.100	83	298474	49.0030 ug/L	98
100) trans-1,4-dichloro-2-b...	7.184	53	81393	52.0452 ug/L	96
101) 1,2,3-trichloropropane	7.163	110	107040	49.4193 ug/L	96
102) n-propylbenzene	7.063	91	1186883	54.2851 ug/L	100
103) 2-chlorotoluene	7.137	126	238062	53.4721 ug/L	98
104) 4-chlorotoluene	7.220	91	753843	54.3732 ug/L	99
105) 1,3,5-trimethylbenzene	7.168	105	883372	58.2972 ug/L	98
106) tert-butylbenzene	7.331	119	816351	68.0990 ug/L	86

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VT579\
Data File : 1T24018.D
Acq On : 18 Sep 2025 03:47 pm
Operator : edwardd
Sample : icv579-50
Misc : MS96870,V1T0579,5,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 19 12:06:15 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 11:55:28 2025
Response via : Initial Calibration

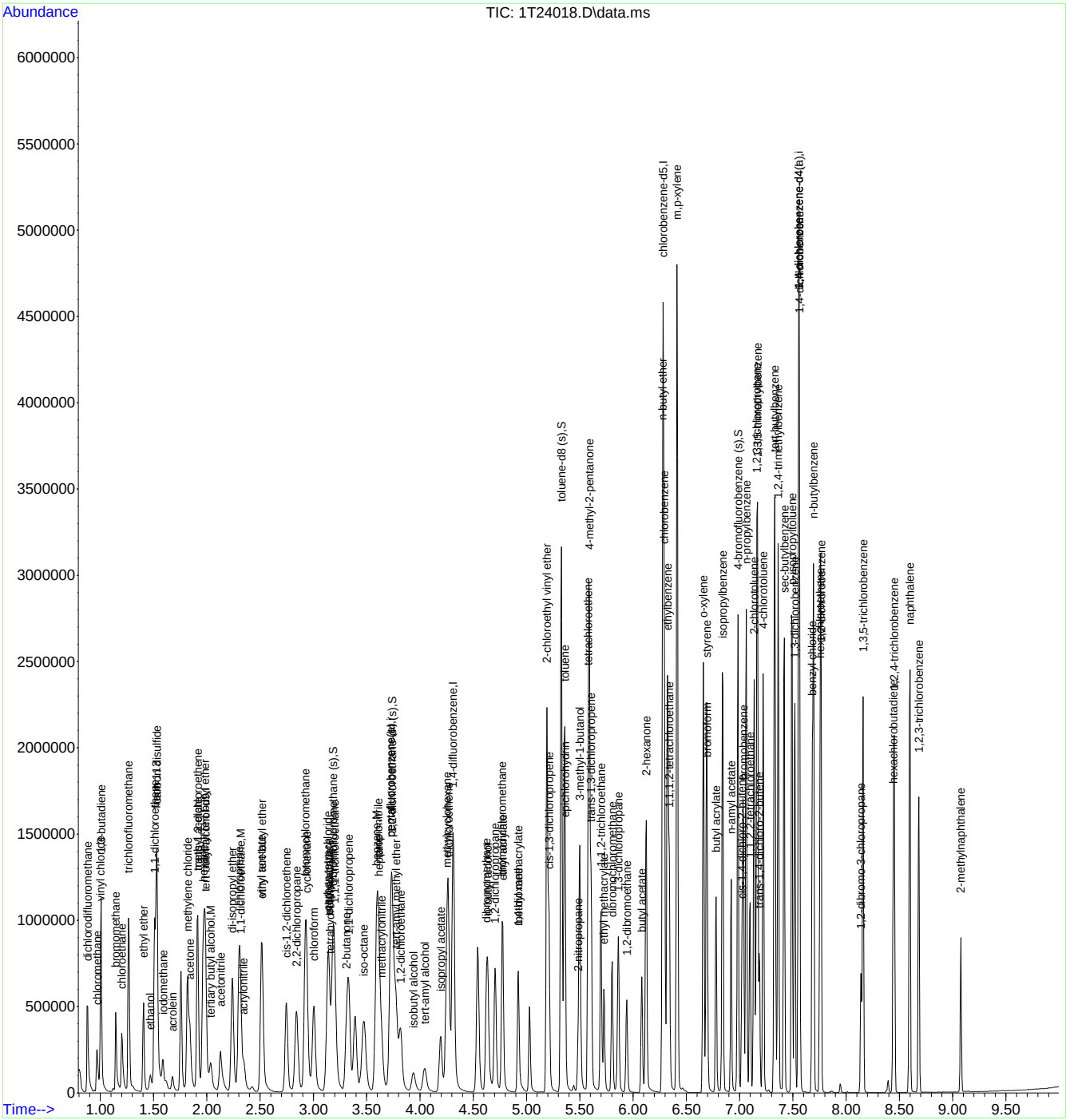
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
107) 1,2,4-trimethylbenzene	7.362	105	908725	59.3621	ug/L	99
108) sec-butylbenzene	7.420	105	1001938	58.3875	ug/L	99
109) 1,3-dichlorobenzene	7.519	146	476860	51.8294	ug/L	99
110) p-isopropyltoluene	7.493	119	895938	60.5594	ug/L	100
111) 1,4-dichlorobenzene	7.561	146	493435	49.9242	ug/L	99
112) 1,2-dichlorobenzene	7.766	146	450880	50.5415	ug/L	99
114) n-butylbenzene	7.692	134	203722	57.0019	ug/L	94
115) 1,2-dibromo-3-chloropr...	8.138	157	91825	50.8877	ug/L	97
116) 1,3,5-trichlorobenzene	8.159	180	339827	58.0053	ug/L	98
117) 1,2,4-trichlorobenzene	8.453	180	272681	53.9237	ug/L	99
118) hexachlorobutadiene	8.442	225	102943	48.3441	ug/L	97
119) naphthalene	8.599	128	932534	61.0873	ug/L	99
120) 1,2,3-trichlorobenzene	8.683	180	258349	53.9005	ug/L	99
121) hexachloroethane	7.755	119	159829	54.2232	ug/L	98
122) benzyl chloride	7.682	126	135316	54.1215	ug/L	100
123) 2-methylnaphthalene	9.076	142	199892	25.1567	ug/L	99

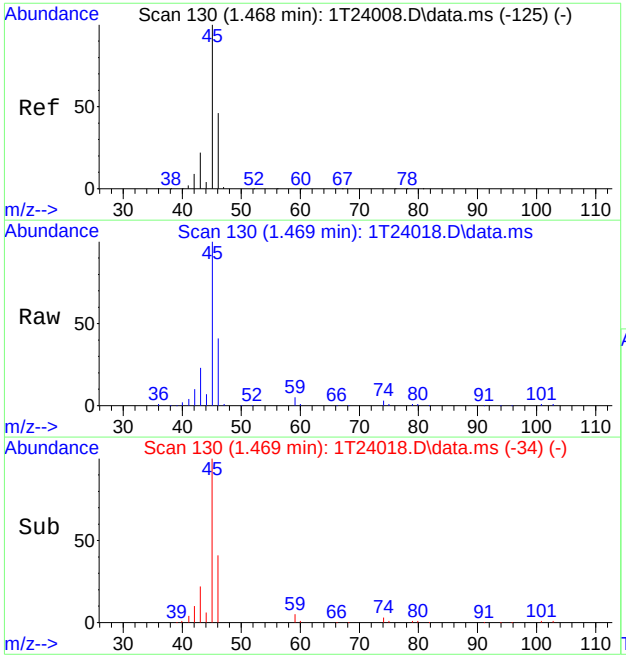
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VT579\
Data File : 1T24018.D
Acq On : 18 Sep 2025 03:47 pm
Operator : edwardd
Sample : icv579-50
Misc : MS96870,V1T0579,5,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 19 12:06:15 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 11:55:28 2025
Response via : Initial Calibration

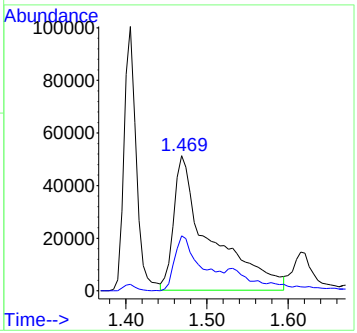


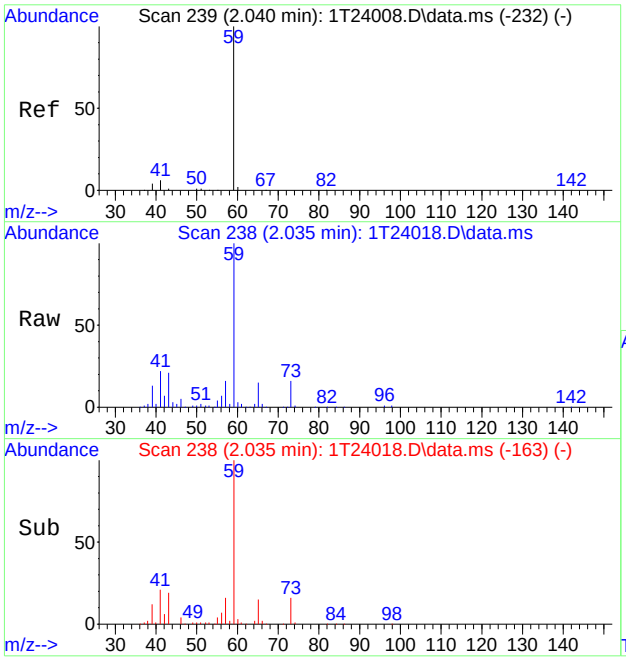


#2
ethanol
Concen: 3642.99 ug/L
RT: 1.469 min Scan# 130
Delta R.T. 0.001 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion: 45 Resp: 159142

Ion	Ratio	Lower	Upper
45	100		
46	42.8	24.5	64.5

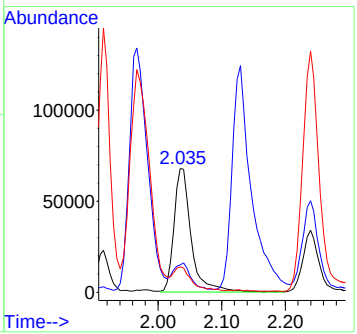


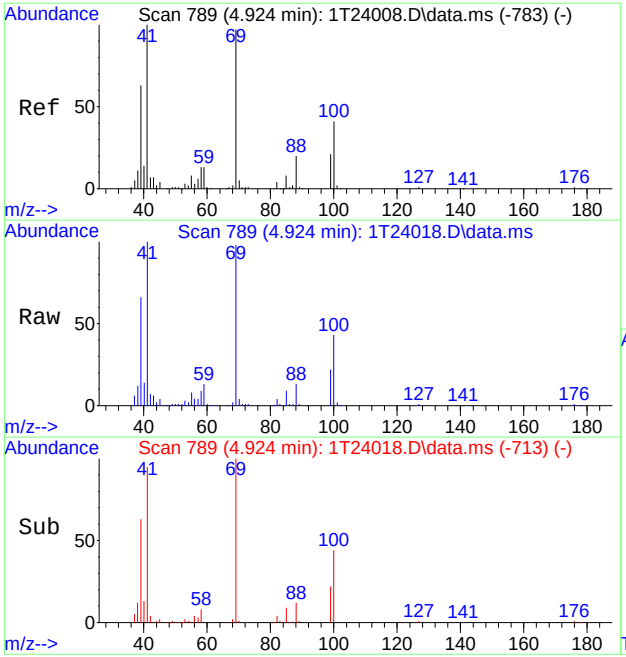


#3
tertiary butyl alcohol
Concen: 252.39 ug/L
RT: 2.035 min Scan# 238
Delta R.T. -0.005 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion: 59 Resp: 127496

Ion	Ratio	Lower	Upper
59	100		
41	14.1	0.0	43.1
43	19.7	0.0	48.5

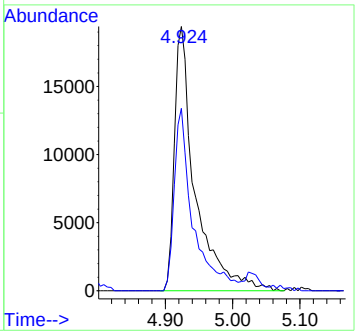


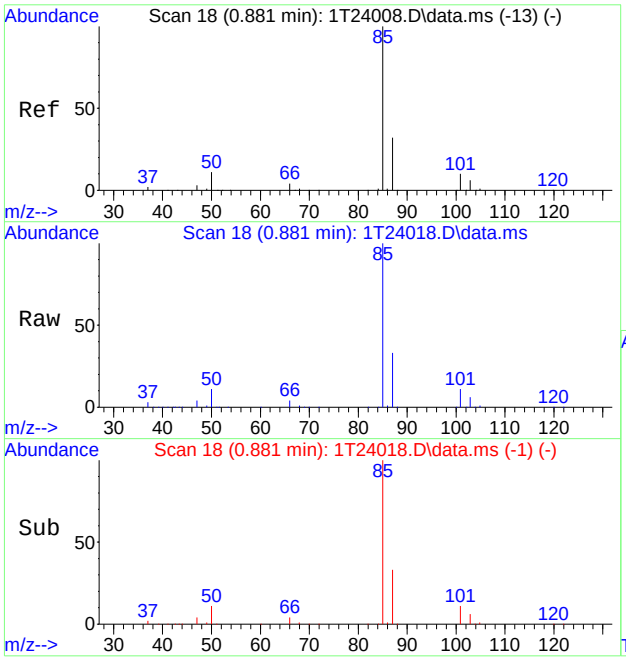


#4
1,4-dioxane
Concen: 1176.46 ug/L
RT: 4.924 min Scan# 789
Delta R.T. -0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion: 88 Resp: 41641

Ion	Ratio	Lower	Upper
88	100		
58	69.1	43.0	83.0

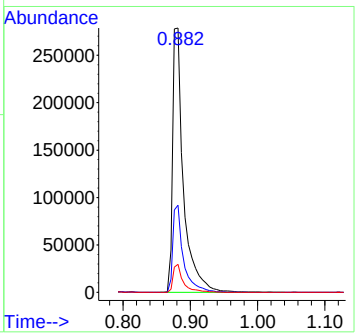


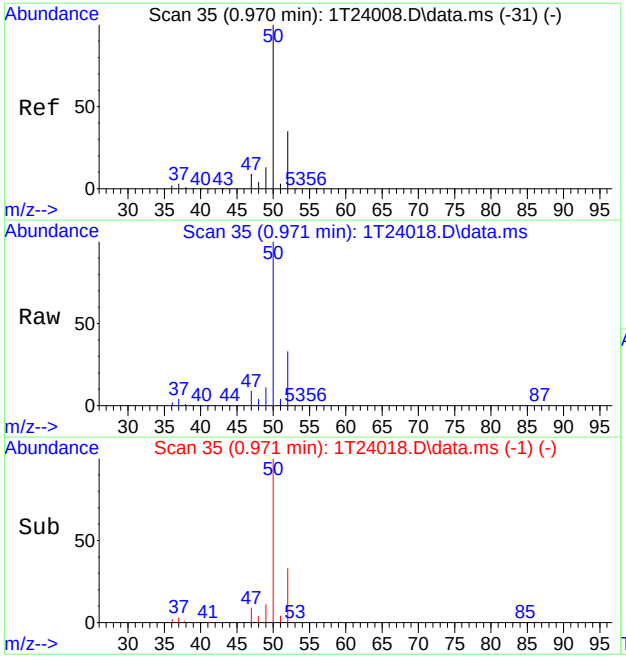


#7
dichlorodifluoromethane
Concen: 49.93 ug/L
RT: 0.881 min Scan# 18
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion: 85 Resp: 316057

Ion	Ratio	Lower	Upper
85	100		
87	33.0	1.6	61.6
101	10.6	0.0	39.6

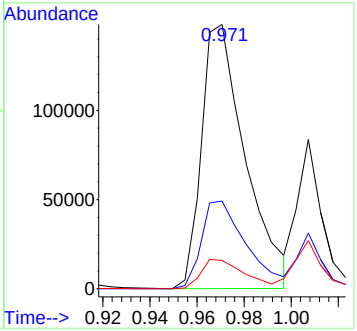


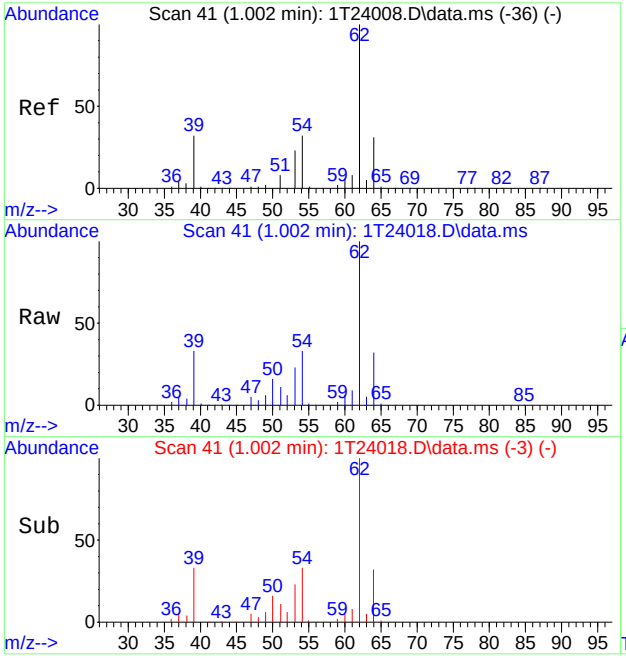


#8
chloromethane
Concen: 51.20 ug/L
RT: 0.971 min Scan# 35
Delta R.T. 0.001 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion: 50 Resp: 191579

Ion	Ratio	Lower	Upper
50	100		
52	33.3	5.4	65.4
49	10.7	0.0	42.5

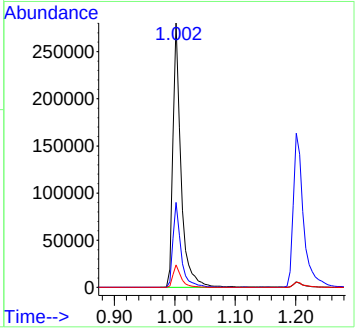


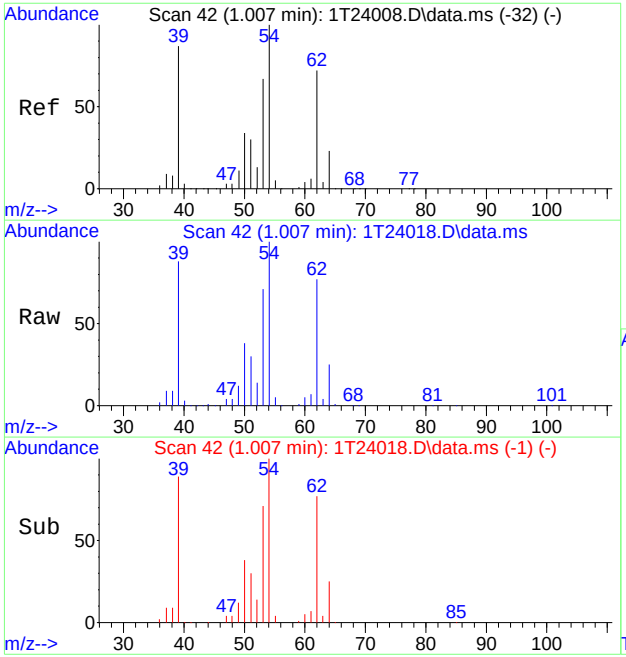


#9
vinyl chloride
Concen: 51.26 ug/L
RT: 1.002 min Scan# 41
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion: 62 Resp: 261074

Ion	Ratio	Lower	Upper
62	100		
64	32.2	1.5	61.5
61	8.6	0.0	38.2

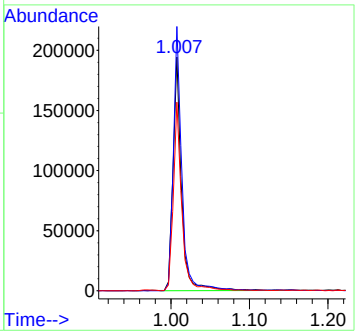


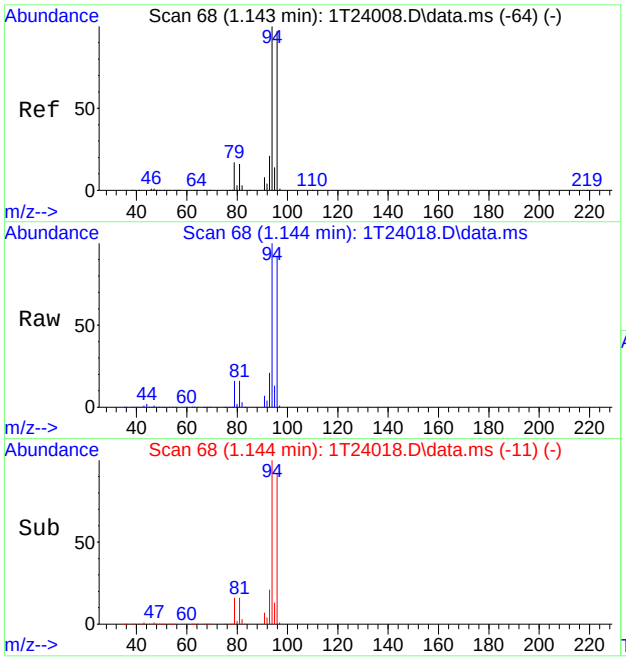


#10
1,3-butadiene
Concen: 41.84 ug/L
RT: 1.007 min Scan# 42
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion: 39 Resp: 146586

Ion	Ratio	Lower	Upper
39	100		
54	113.3	84.6	144.6
53	80.8	47.3	107.3

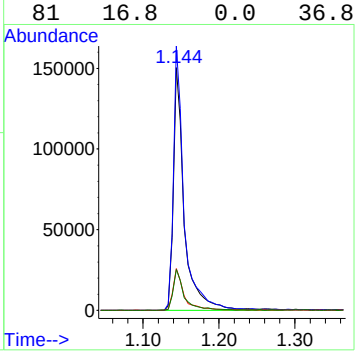




#11
bromomethane
Concen: 50.34 ug/L
RT: 1.144 min Scan# 68
Delta R.T. 0.001 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

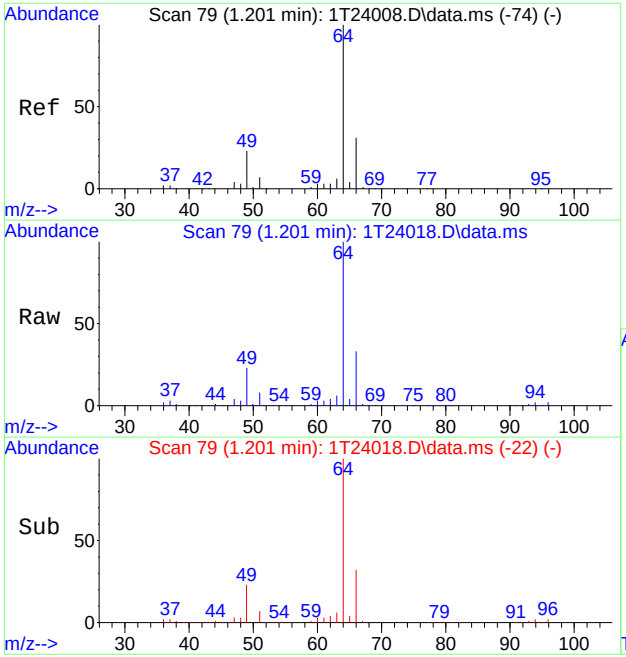
Tgt Ion: 96 Resp: 151046

Ion	Ratio	Lower	Upper
96	100		
94	108.9	73.2	133.2
79	17.2	17.3	17.3#
81	16.8	0.0	36.8



7.6.25

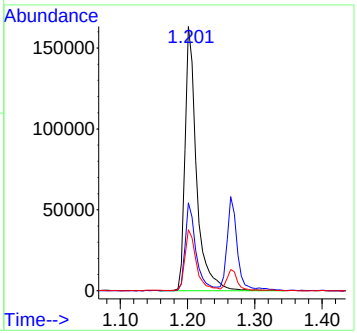
7

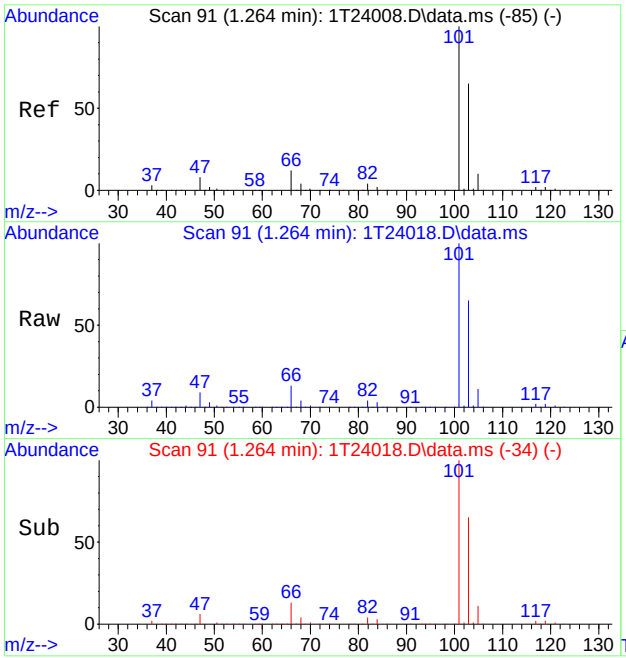


#12
chloroethane
Concen: 42.12 ug/L
RT: 1.201 min Scan# 79
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion: 64 Resp: 193916

Ion	Ratio	Lower	Upper
64	100		
66	33.3	0.9	60.9
49	23.0	0.0	52.7

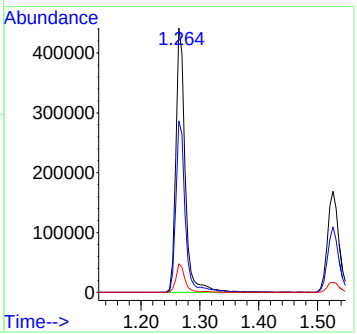


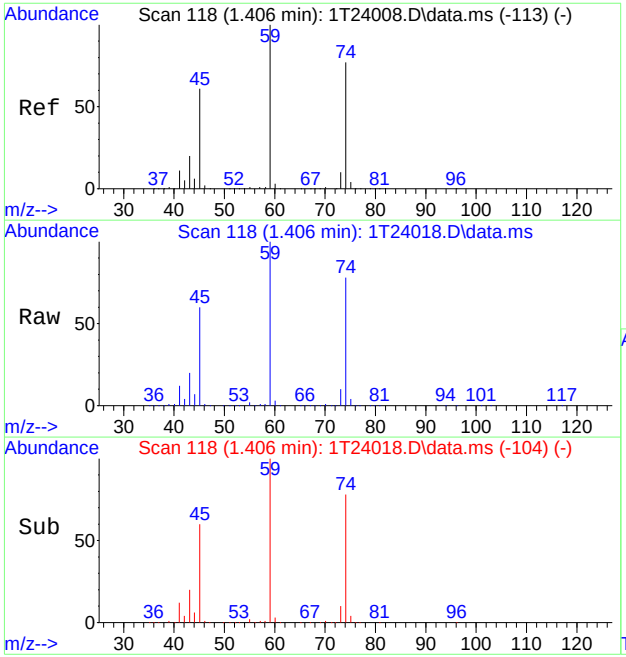


#13
trichlorofluoromethane
Concen: 42.92 ug/L
RT: 1.264 min Scan# 91
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion:101 Resp: 488497

Ion	Ratio	Lower	Upper
101	100		
103	64.9	34.8	94.8
105	10.9	0.0	40.0

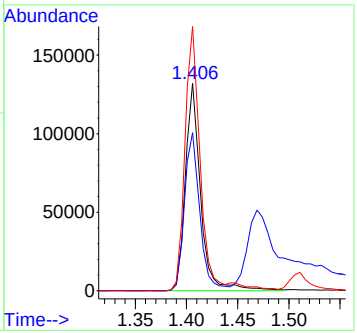


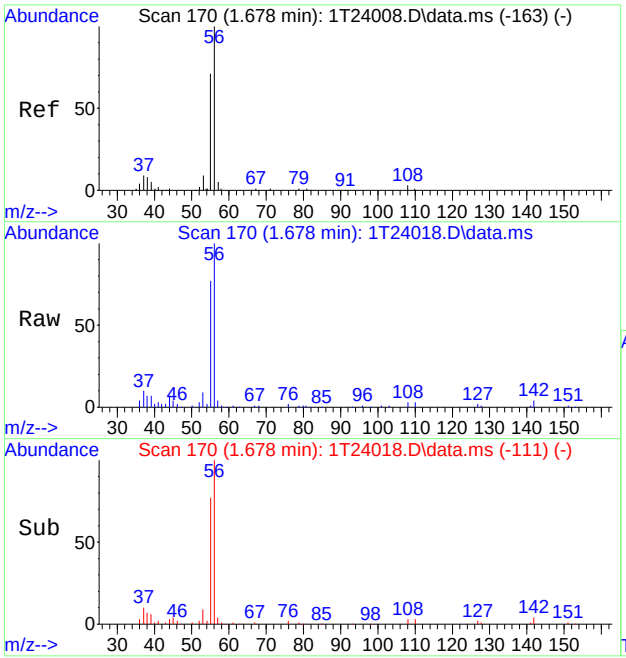


#14
ethyl ether
Concen: 51.20 ug/L
RT: 1.406 min Scan# 118
Delta R.T. -0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion: 74 Resp: 137312

Ion	Ratio	Lower	Upper
74	100		
45	76.1	48.9	108.9
59	127.4	99.2	159.2

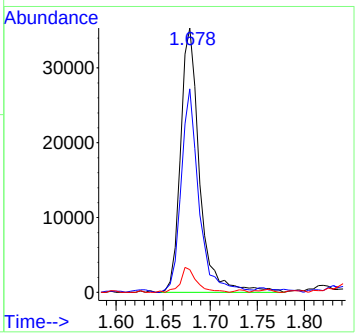


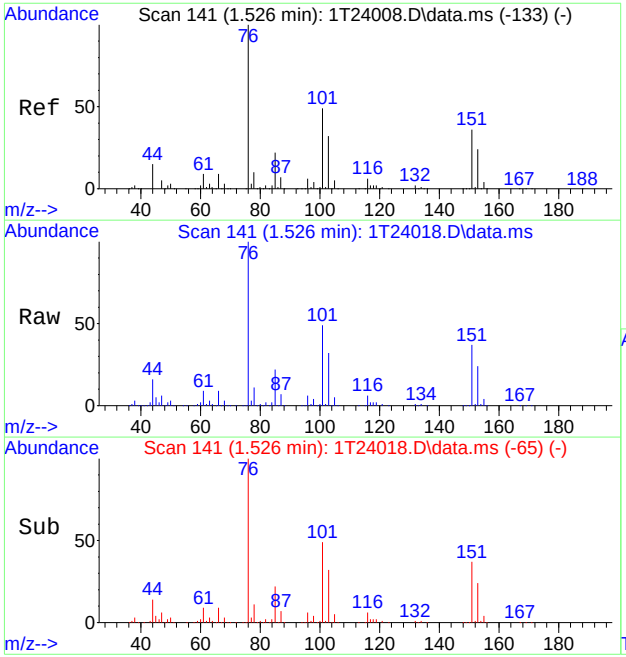


#15
acrolein
Concen: 49.17 ug/L
RT: 1.678 min Scan# 170
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion: 56 Resp: 49767

Ion	Ratio	Lower	Upper
56	100		
55	76.9	41.3	101.3
53	8.6	0.0	38.7

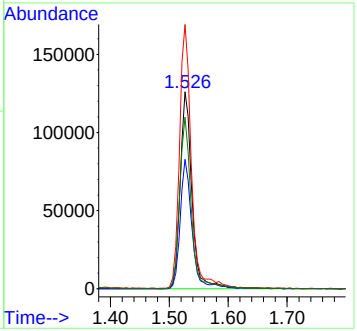


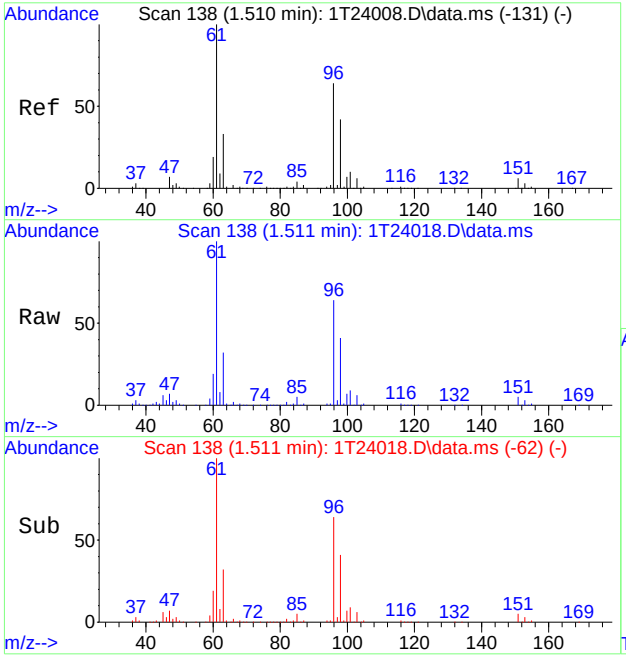


#16
freon 113
Concen: 48.71 ug/L
RT: 1.526 min Scan# 141
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion:151 Resp: 177058

Ion	Ratio	Lower	Upper
151	100		
153	65.8	46.1	86.1
101	133.9	116.7	156.7
103	87.1	68.3	108.3

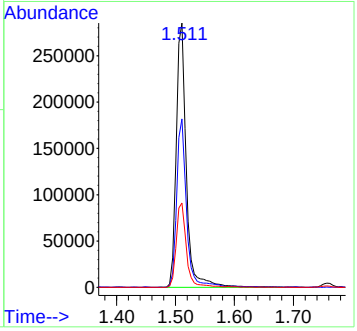


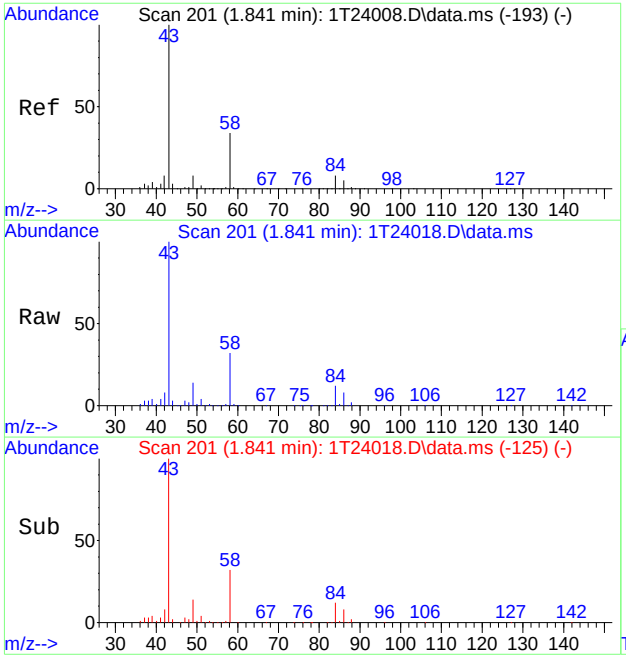


#17
1,1-dichloroethene
Concen: 46.03 ug/L
RT: 1.511 min Scan# 138
Delta R.T. 0.001 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion: 61 Resp: 339430

Ion	Ratio	Lower	Upper
61	100		
96	63.6	33.7	93.7
63	31.9	2.8	62.8

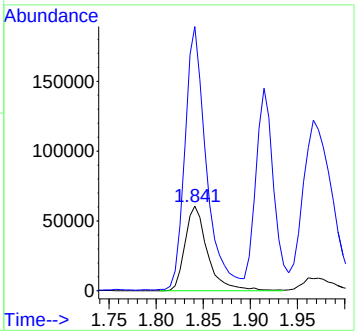


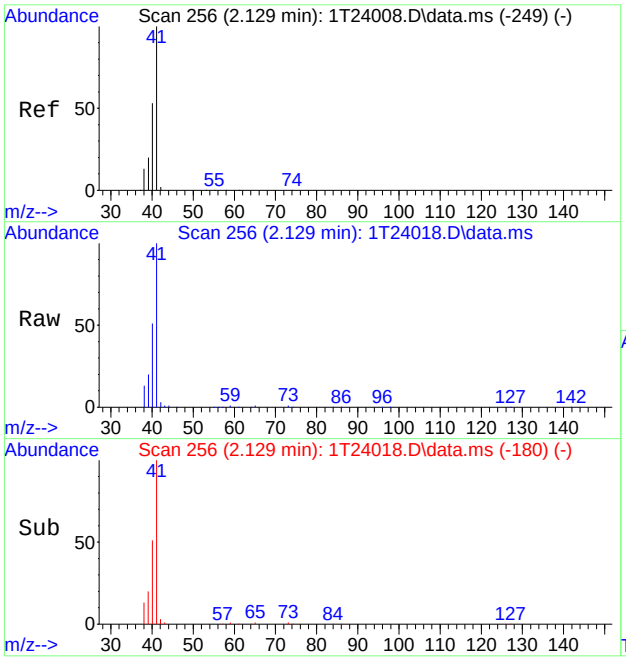


#18
acetone
Concen: 159.40 ug/L
RT: 1.841 min Scan# 201
Delta R.T. -0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion: 58 Resp: 101124

Ion	Ratio	Lower	Upper
58	100		
43	310.6	263.8	323.8

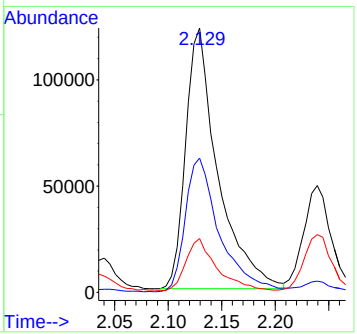


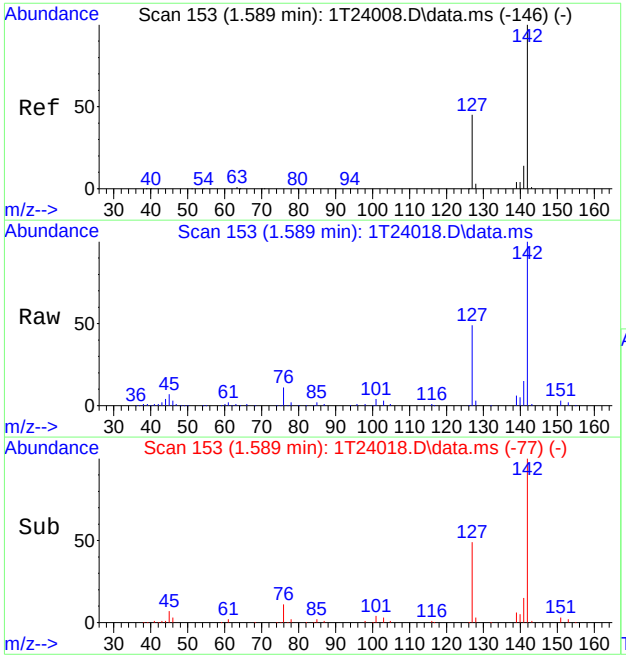


#19
acetonitrile
Concen: 442.72 ug/L
RT: 2.129 min Scan# 256
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion: 41 Resp: 256815

Ion	Ratio	Lower	Upper
41	100		
40	51.2	23.2	83.2
39	19.9	0.0	49.8

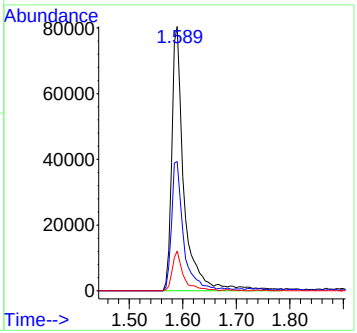


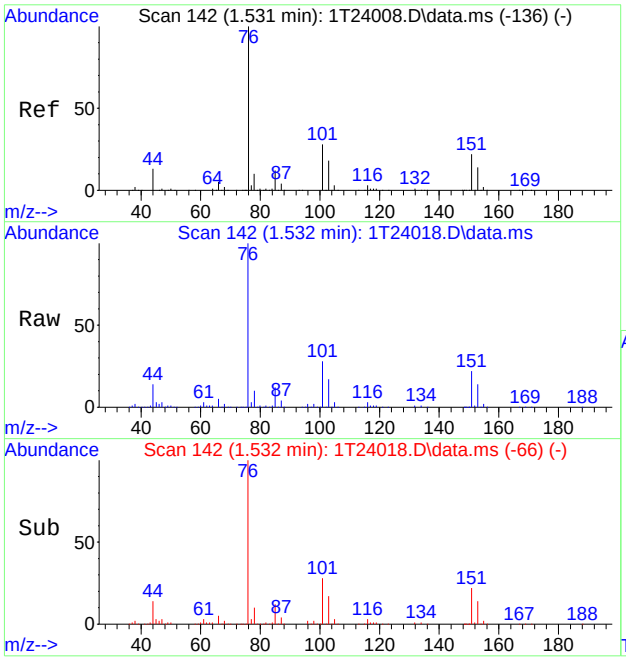


#20
iodomethane
Concen: 47.52 ug/L
RT: 1.589 min Scan# 153
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion:142 Resp: 129753

Ion	Ratio	Lower	Upper
142	100		
127	48.9	14.7	74.7
141	15.1	0.0	44.3

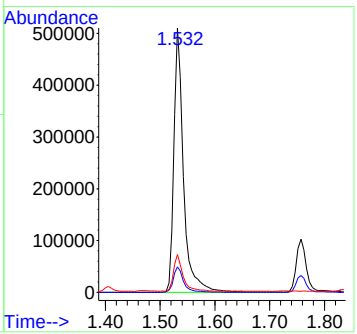


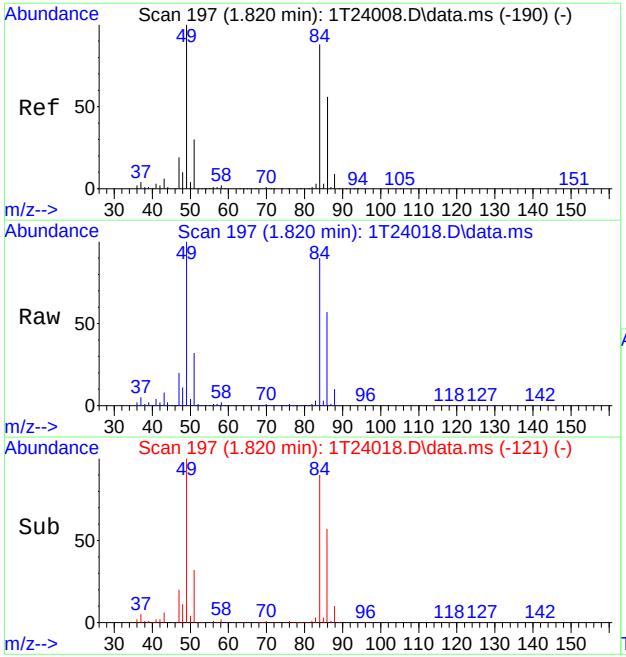


#21
carbon disulfide
Concen: 44.99 ug/L
RT: 1.532 min Scan# 142
Delta R.T. 0.001 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion: 76 Resp: 629007

Ion	Ratio	Lower	Upper
76	100		
78	9.7	0.0	40.0
44	13.8	0.0	43.4

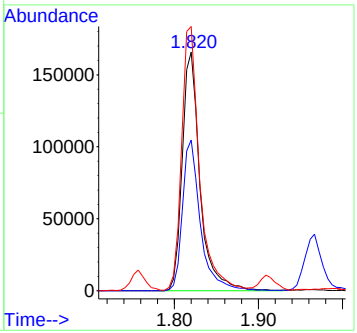


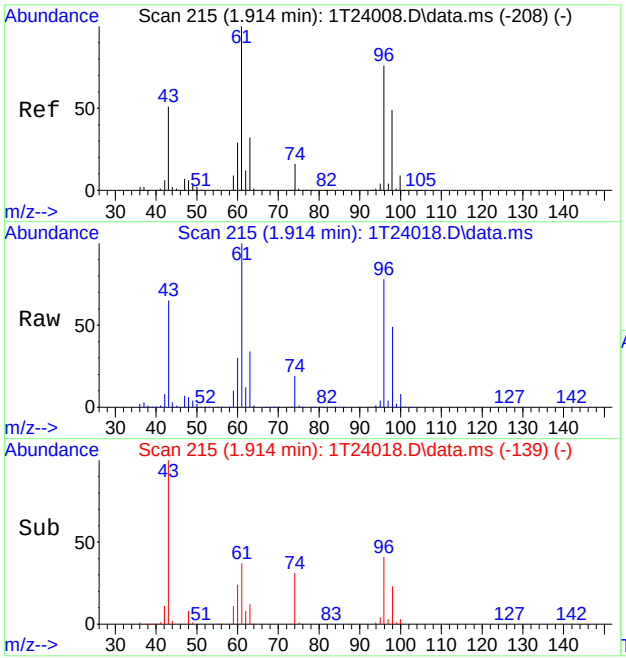


#22
methylene chloride
Concen: 45.72 ug/L
RT: 1.820 min Scan# 197
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion: 84 Resp: 244078

Ion	Ratio	Lower	Upper
84	100		
86	63.2	34.2	94.2
49	110.4	84.0	144.0

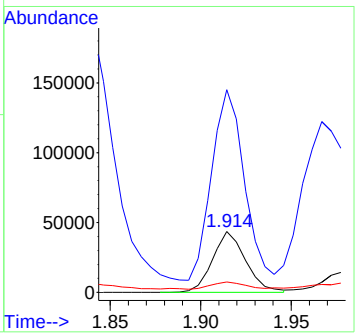


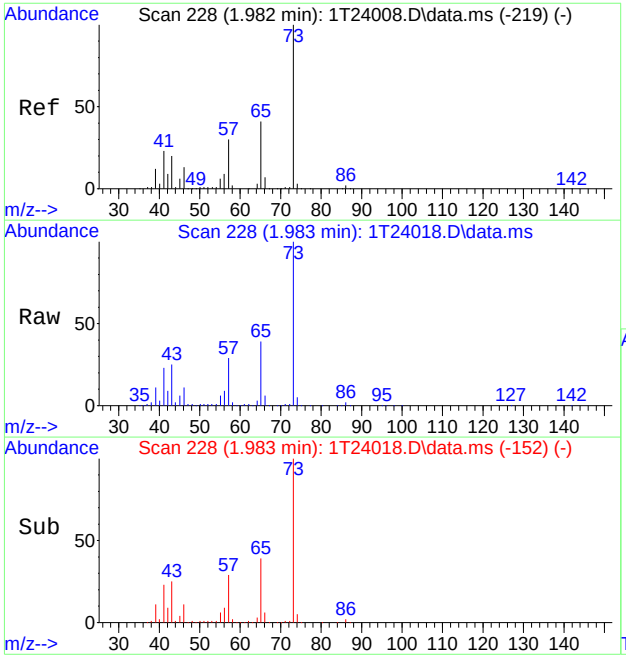


#23
methyl acetate
Concen: 54.65 ug/L
RT: 1.914 min Scan# 215
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion: 74 Resp: 55182

Ion	Ratio	Lower	Upper
74	100		
43	304.1	282.8	342.8
44	11.6	0.0	42.2

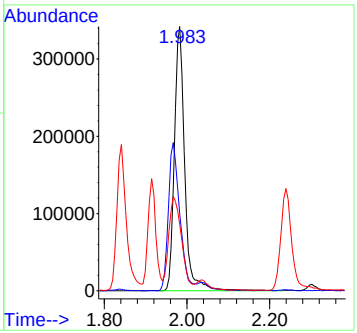


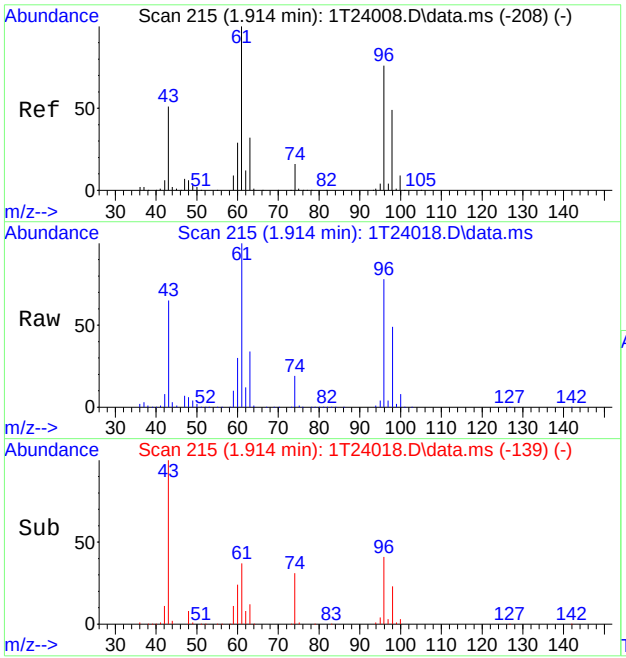


#24
methyl tert butyl ether
Concen: 52.50 ug/L
RT: 1.983 min Scan# 228
Delta R.T. 0.001 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion: 73 Resp: 593580

Ion	Ratio	Lower	Upper
73	100		
57	28.8	0.0	60.0
43	19.7	0.0	55.7

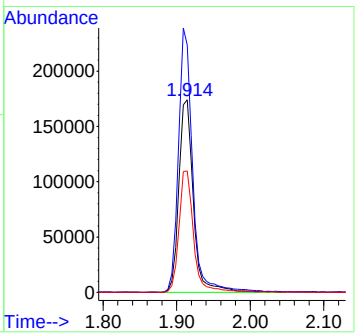


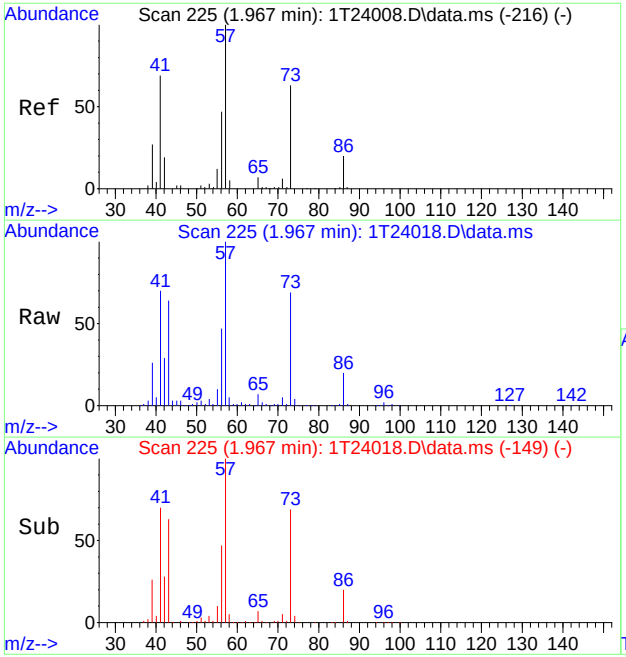


#25
trans-1,2-dichloroethene
Concen: 48.08 ug/L
RT: 1.914 min Scan# 215
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion: 96 Resp: 241157

Ion	Ratio	Lower	Upper
96	100		
61	128.4	101.0	161.0
98	63.1	34.5	94.5

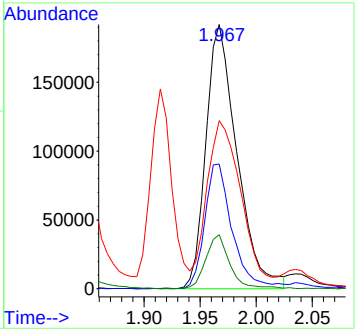


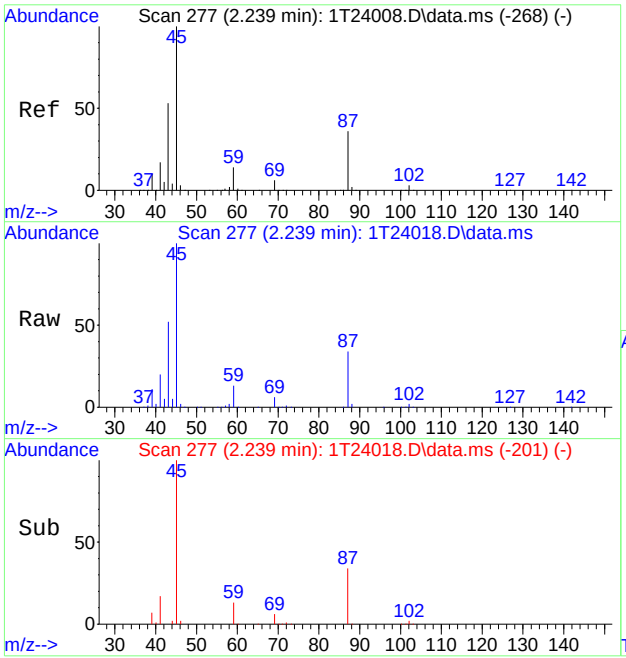


#26
hexane
Concen: 57.54 ug/L
RT: 1.967 min Scan# 225
Delta R.T. -0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion: 57 Resp: 372221

Ion	Ratio	Lower	Upper
57	100		
56	47.1	27.2	67.2
43	58.1	37.1	77.1
86	20.4	0.1	40.1

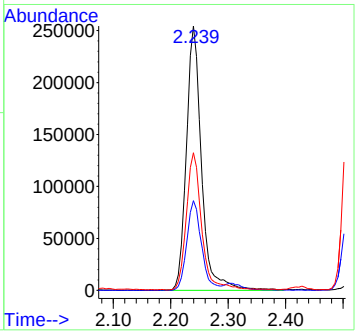


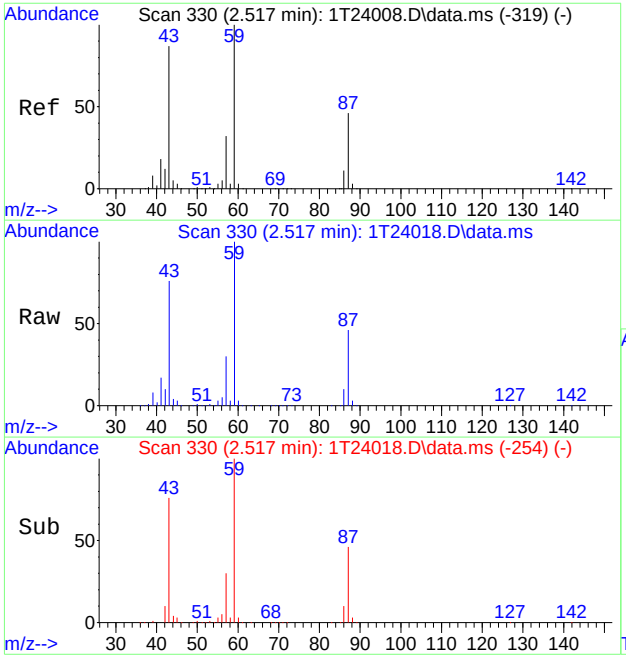


#27
di-isopropyl ether
Concen: 56.04 ug/L
RT: 2.239 min Scan# 277
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion: 45 Resp: 470149

Ion	Ratio	Lower	Upper
45	100		
87	33.9	6.3	66.3
43	51.8	23.0	83.0

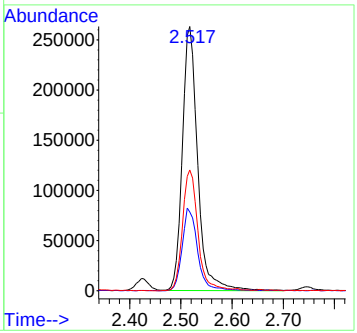


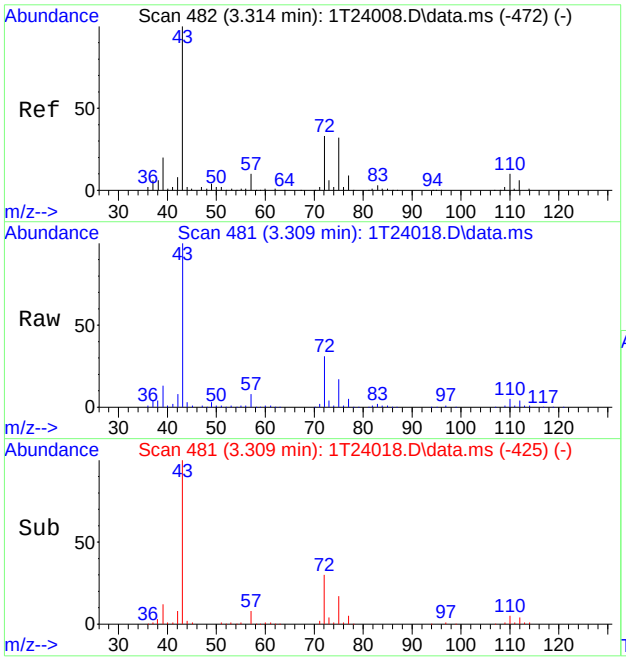


#28
ethyl tert-butyl ether
Concen: 50.18 ug/L
RT: 2.517 min Scan# 330
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion: 59 Resp: 549505

Ion	Ratio	Lower	Upper
59	100		
57	29.8	2.1	62.1
87	45.7	15.5	75.5

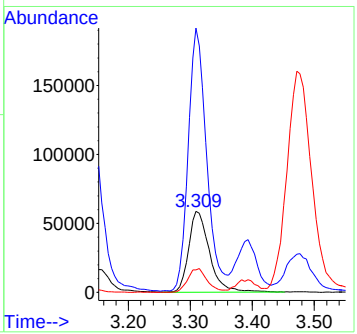


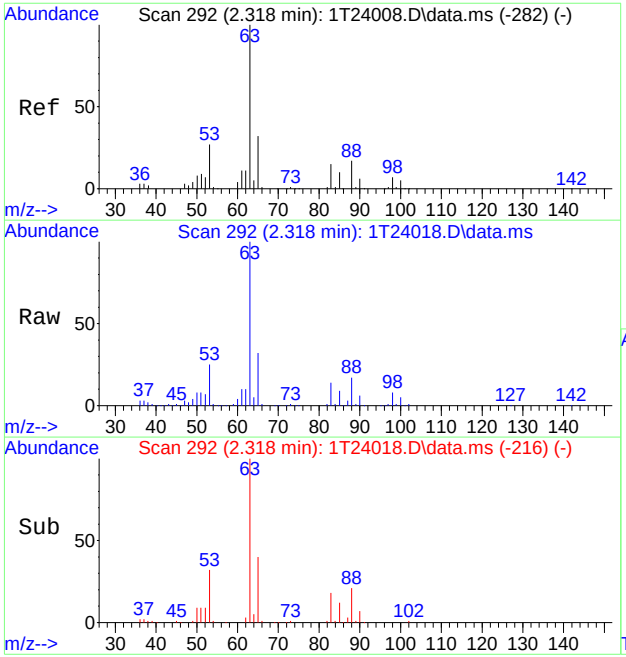


#29
2-butanone
Concen: 186.92 ug/L
RT: 3.309 min Scan# 481
Delta R.T. -0.005 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion: 72 Resp: 137568

Ion	Ratio	Lower	Upper
72	100		
43	325.7	273.9	333.9
57	27.8	0.0	58.9

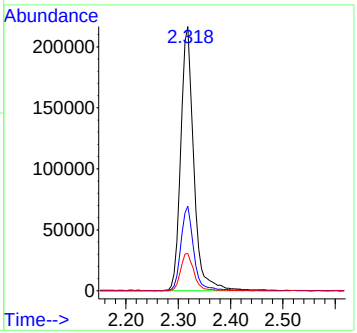


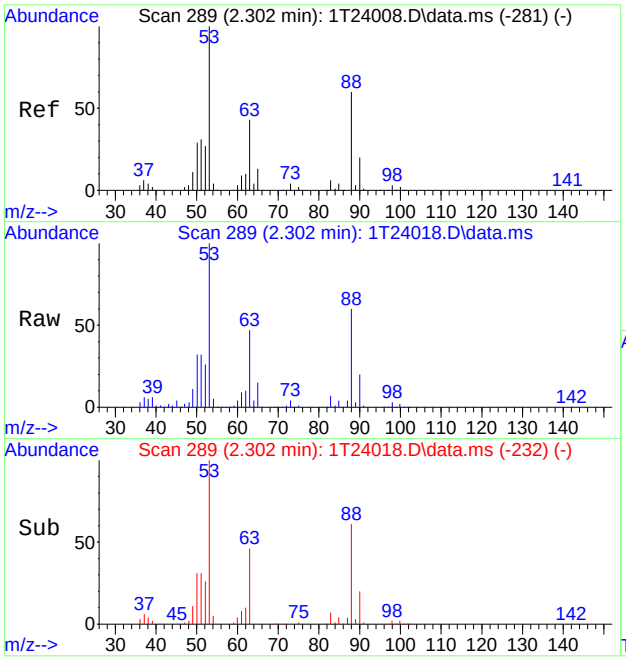


#30
1,1-dichloroethane
Concen: 50.17 ug/L
RT: 2.318 min Scan# 292
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion: 63 Resp: 378154

Ion	Ratio	Lower	Upper
63	100		
65	31.9	2.0	62.0
83	14.1	0.0	45.2

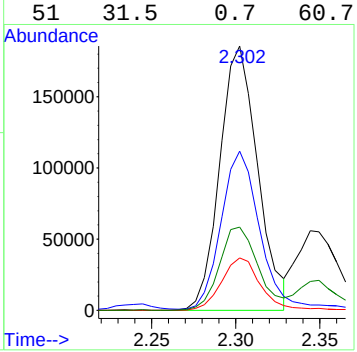


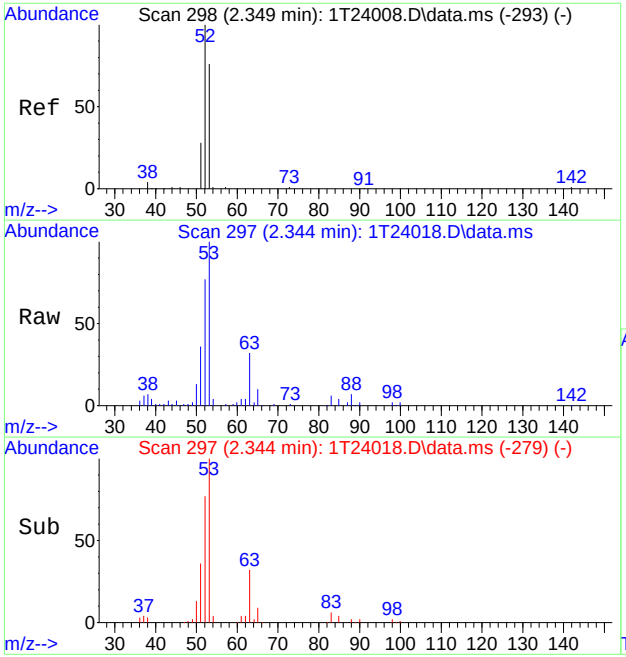


#31
chloroprene
Concen: 46.46 ug/L
RT: 2.302 min Scan# 289
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion: 53 Resp: 291950

Ion	Ratio	Lower	Upper
53	100		
88	59.3	29.5	89.5
90	19.9	0.0	49.7
51	31.5	0.7	60.7

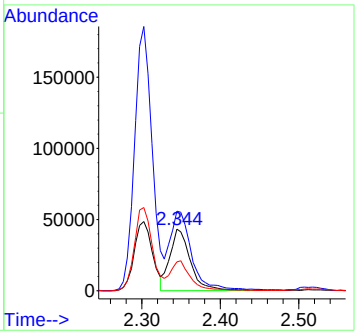


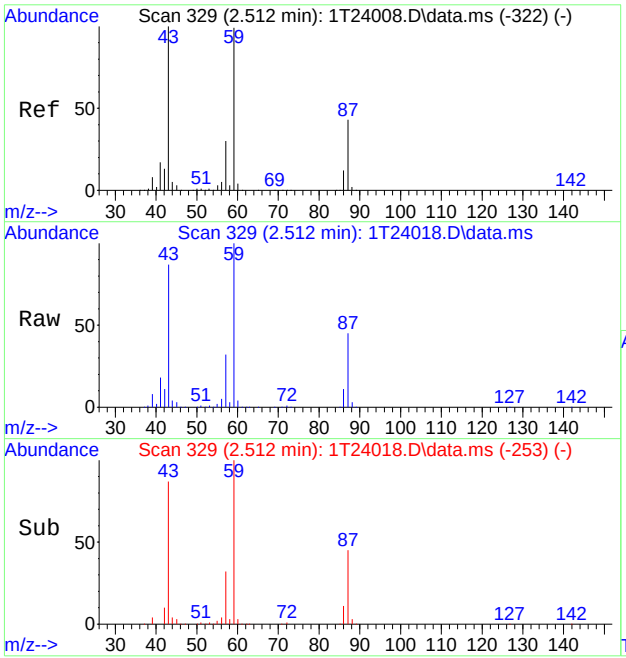


#32
acrylonitrile
Concen: 52.51 ug/L
RT: 2.344 min Scan# 297
Delta R.T. -0.005 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion: 52 Resp: 78862

Ion	Ratio	Lower	Upper
52	100		
53	128.6	96.8	156.8
51	46.4	14.4	74.4

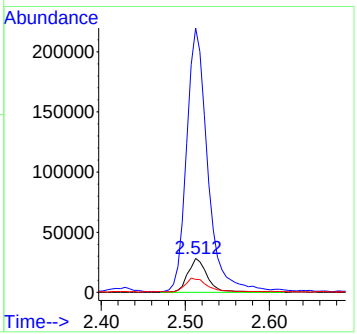


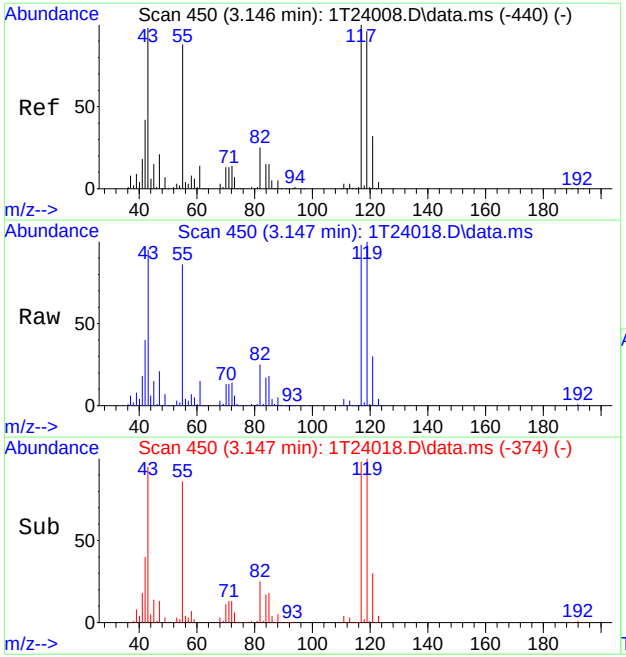


#33
vinyl acetate
Concen: 40.36 ug/L
RT: 2.512 min Scan# 329
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion: 86 Resp: 45900

Ion	Ratio	Lower	Upper
86	100		
43	775.3	805.6	865.6#
44	35.4	9.2	69.2

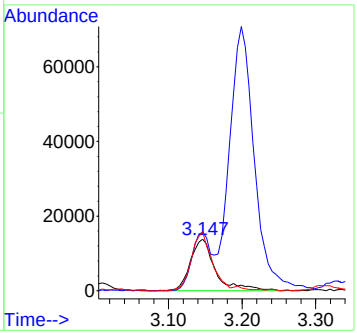


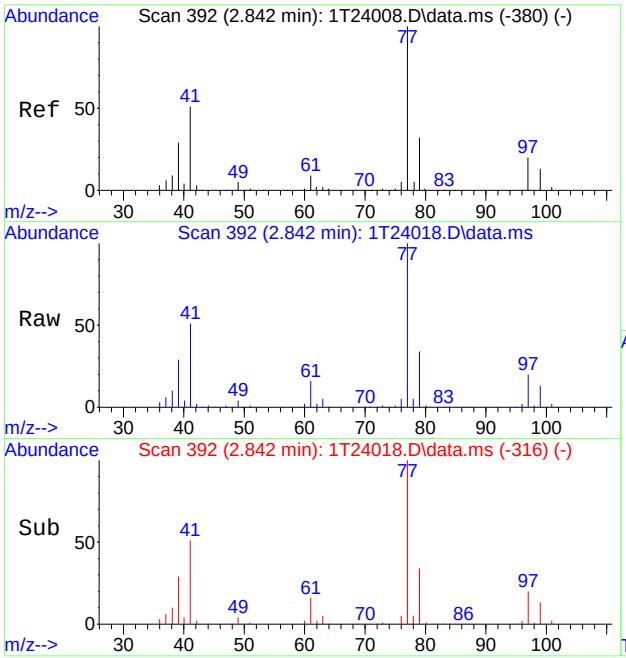


#34
ethyl acetate
Concen: 48.13 ug/L
RT: 3.147 min Scan# 450
Delta R.T. 0.001 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion: 70 Resp: 32858

Ion	Ratio	Lower	Upper
70	100		
61	112.5	81.1	141.1
45	114.4	86.0	146.0

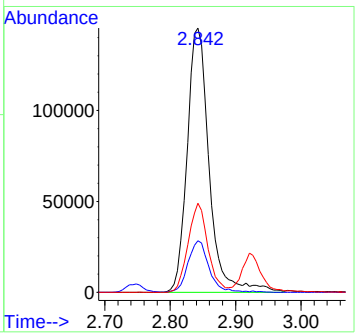


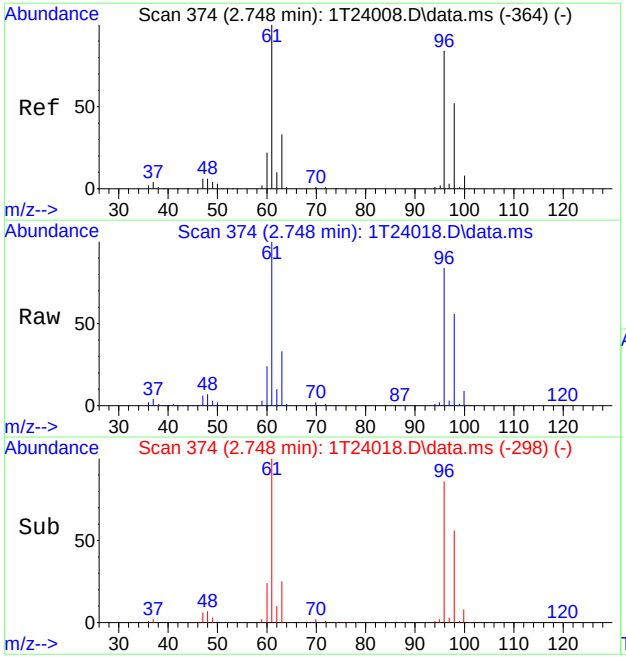


#35
2,2-dichloropropane
Concen: 55.06 ug/L
RT: 2.842 min Scan# 392
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion: 77 Resp: 340376

Ion	Ratio	Lower	Upper
77	100		
97	19.6	0.0	50.0
79	33.7	2.2	62.2

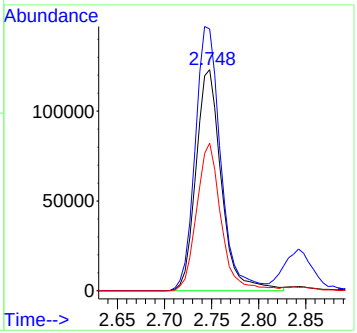


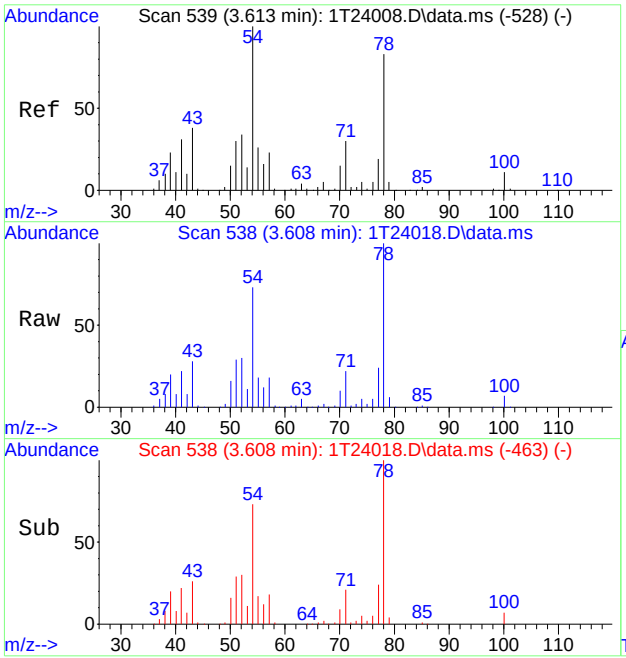


#36
cis-1,2-dichloroethene
Concen: 52.35 ug/L
RT: 2.748 min Scan# 374
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion: 96 Resp: 231224

Ion	Ratio	Lower	Upper
96	100		
61	118.4	89.4	149.4
98	66.8	32.0	92.0

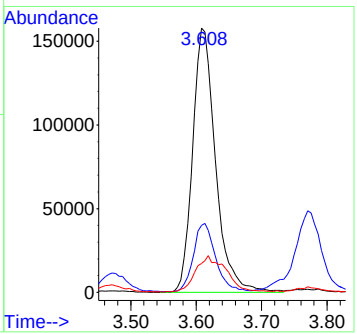


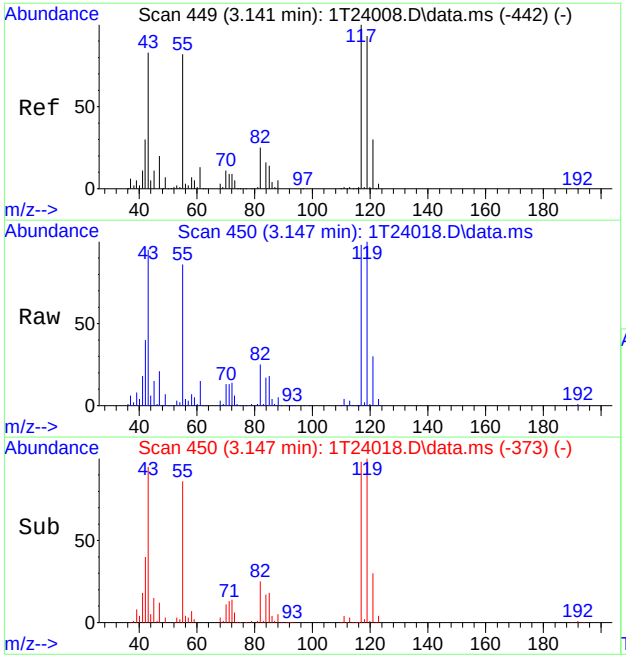


#37
propionitrile
Concen: 483.58 ug/L
RT: 3.608 min Scan# 538
Delta R.T. -0.005 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion: 54 Resp: 384476

Ion	Ratio	Lower	Upper
54	100		
55	24.9	0.0	55.9
40	10.7	0.0	41.2

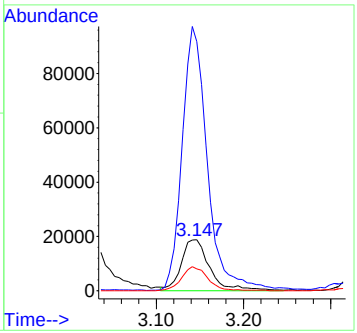


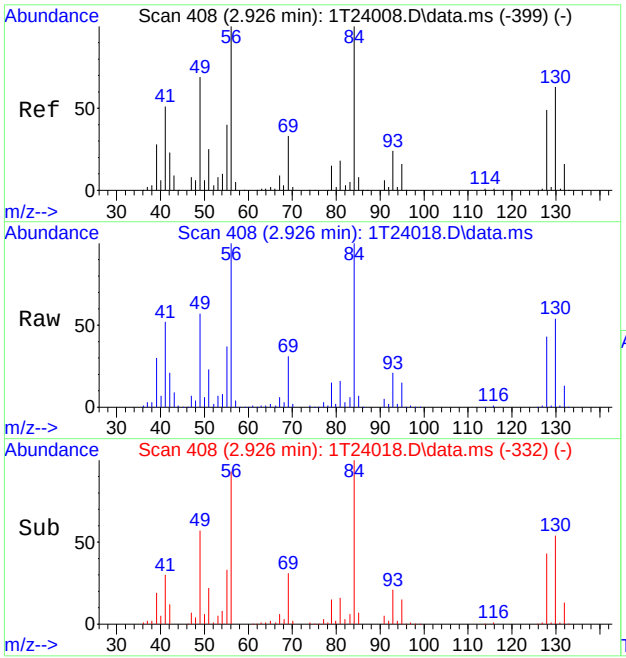


#38
methyl acrylate
Concen: 46.56 ug/L
RT: 3.147 min Scan# 450
Delta R.T. 0.006 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion: 85 Resp: 43047

Ion	Ratio	Lower	Upper
85	100		
55	491.2	512.8	552.8#
58	43.1	28.3	68.3

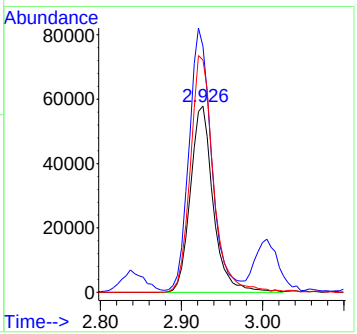


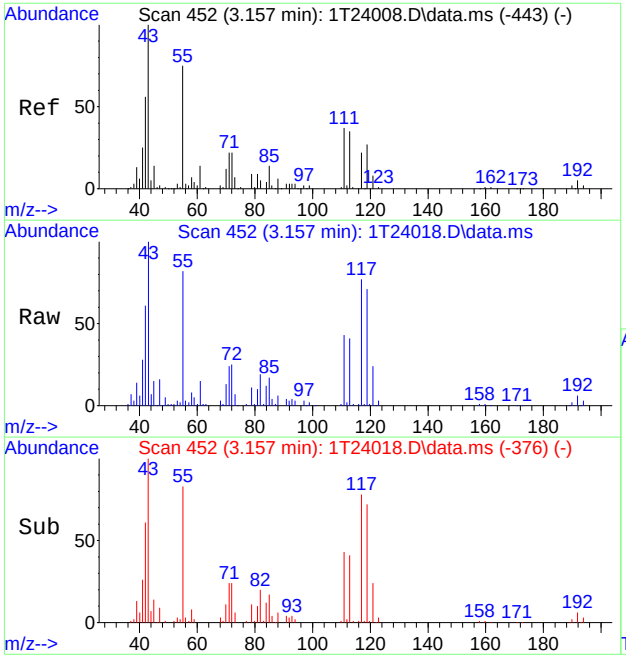


#39
bromochloromethane
Concen: 50.40 ug/L
RT: 2.926 min Scan# 408
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion:128 Resp: 113028

Ion	Ratio	Lower	Upper
128	100		
49	130.7	110.2	170.2
130	124.7	98.0	158.0

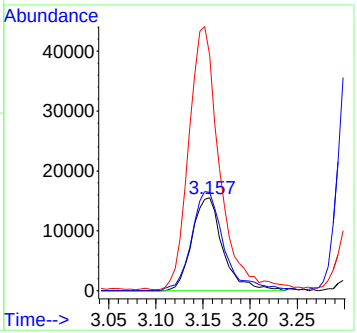


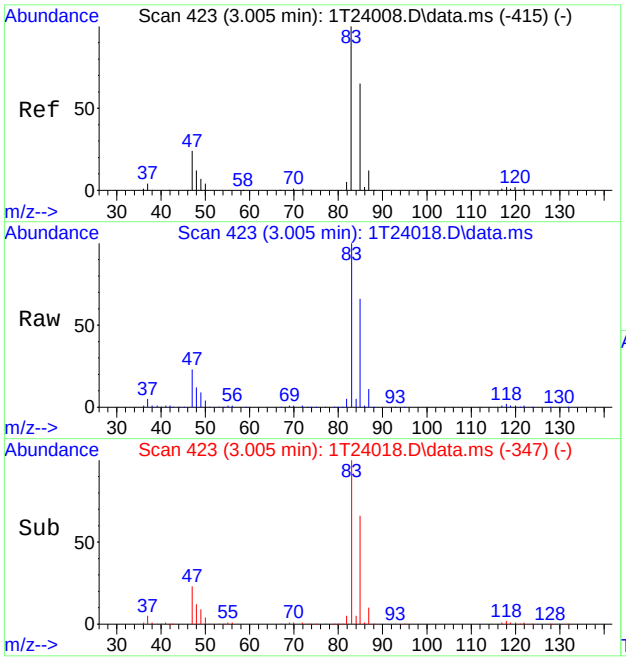


#40
tetrahydrofuran
Concen: 48.97 ug/L
RT: 3.157 min Scan# 452
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion: 71 Resp: 35364

Ion	Ratio	Lower	Upper
71	100		
72	105.5	71.2	131.2
42	251.3	227.1	287.1

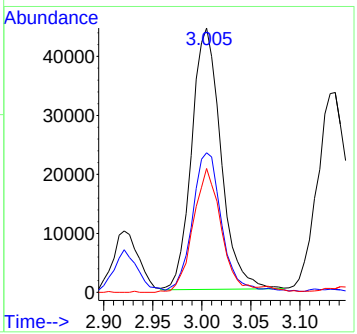


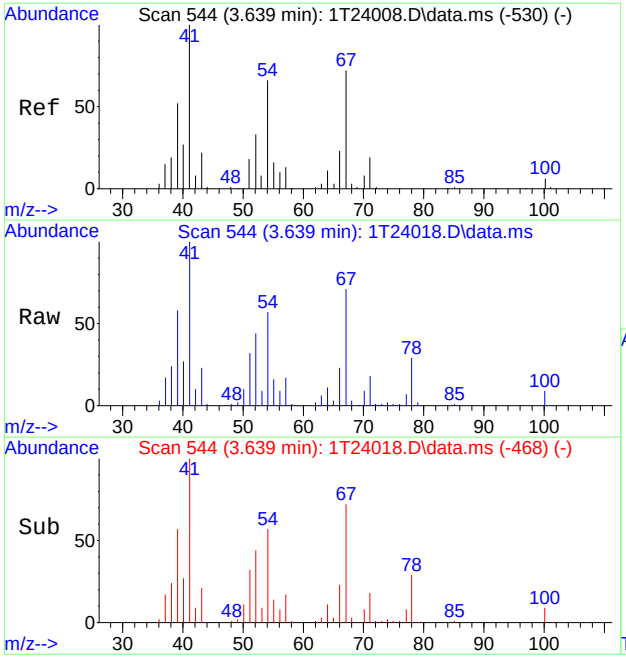


#41
chloroform
Concen: 44.56 ug/L
RT: 3.005 min Scan# 423
Delta R.T. -0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion: 47 Resp: 92257

Ion	Ratio	Lower	Upper
47	100		
48	52.6	19.2	79.2
87	47.0	18.5	78.5

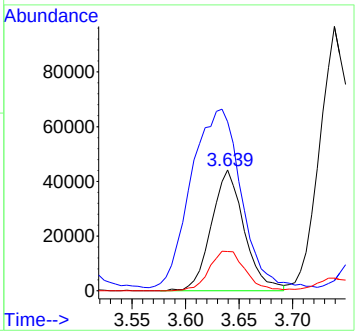


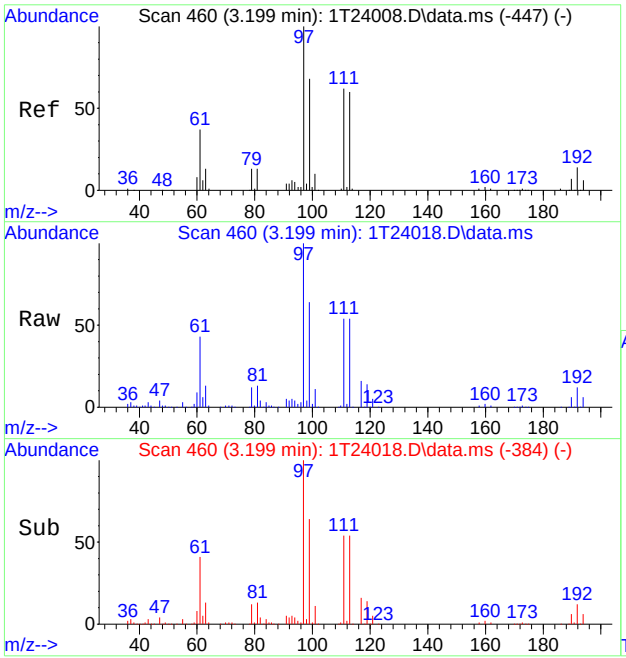


#43
methacrylonitrile
Concen: 44.33 ug/L
RT: 3.639 min Scan# 544
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion: 67 Resp: 94629

Ion	Ratio	Lower	Upper
67	100		
41	134.0	109.1	169.1
66	32.6	2.0	62.0

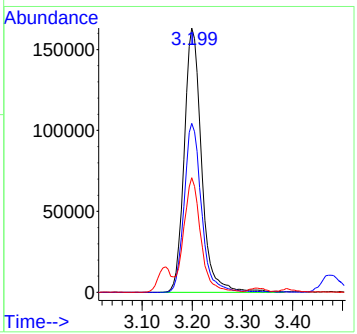


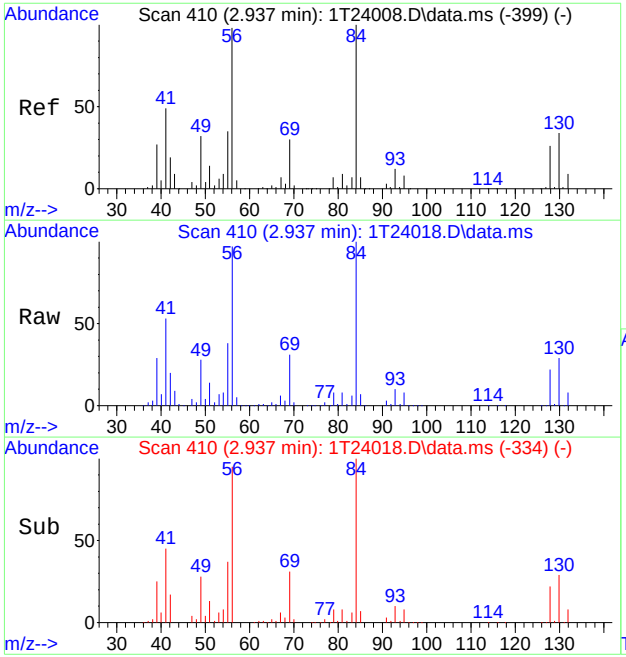


#44
1,1,1-trichloroethane
Concen: 56.74 ug/L
RT: 3.199 min Scan# 460
Delta R.T. -0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion: 97 Resp: 394844

Ion	Ratio	Lower	Upper
97	100		
99	64.0	38.0	98.0
61	42.4	11.6	71.6

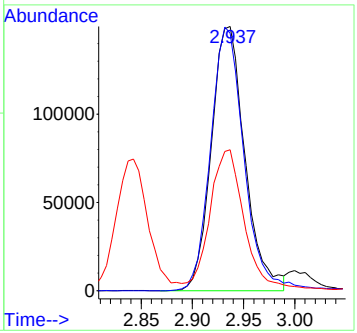


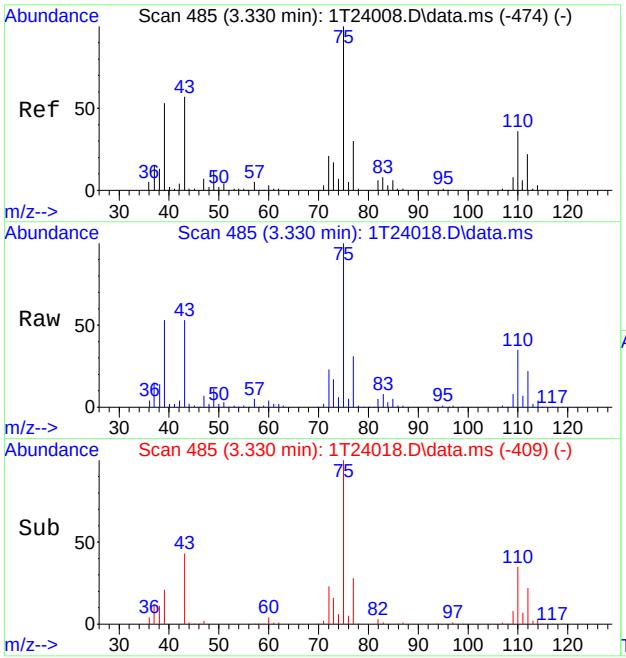


#45
cyclohexane
Concen: 54.57 ug/L
RT: 2.937 min Scan# 410
Delta R.T. -0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion: 84 Resp: 341073

Ion	Ratio	Lower	Upper
84	100		
56	97.4	78.4	118.4
41	51.1	30.2	70.2

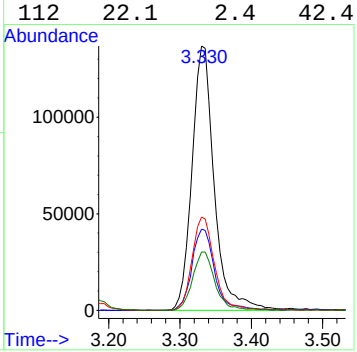


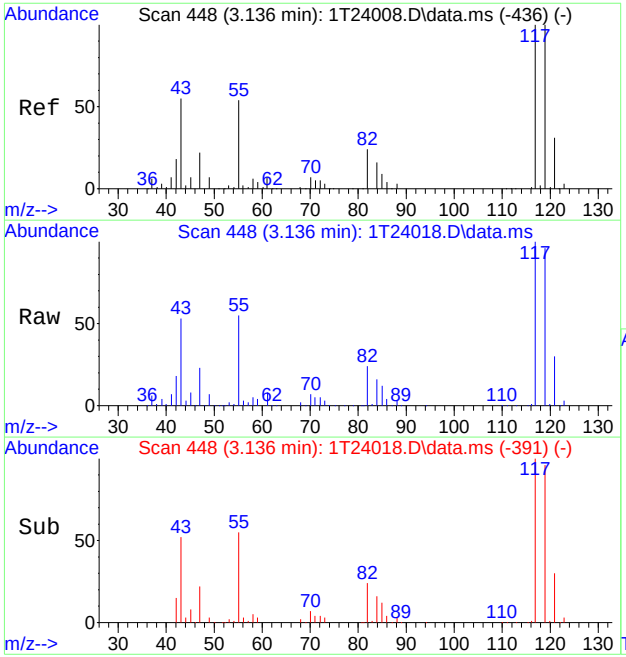


#46
1,1-dichloropropene
Concen: 50.82 ug/L
RT: 3.330 min Scan# 485
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion: 75 Resp: 297530

Ion	Ratio	Lower	Upper
75	100		
77	30.8	9.7	49.7
110	35.3	15.7	55.7
112	22.1	2.4	42.4

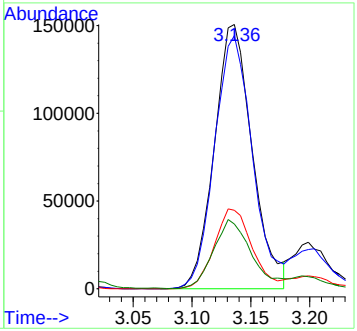


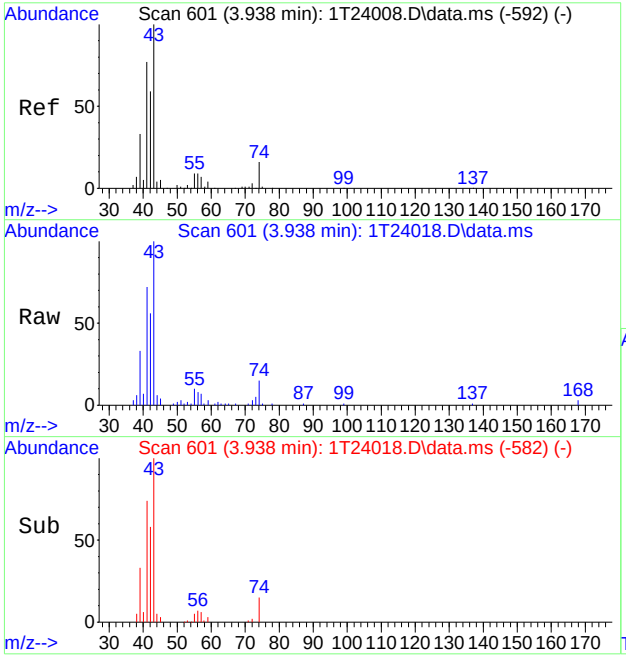


#47
carbon tetrachloride
Concen: 54.83 ug/L
RT: 3.136 min Scan# 448
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion:117 Resp: 338089

Ion	Ratio	Lower	Upper
117	100		
119	95.7	80.5	120.5
121	29.7	11.1	51.1
82	24.2	4.2	44.2

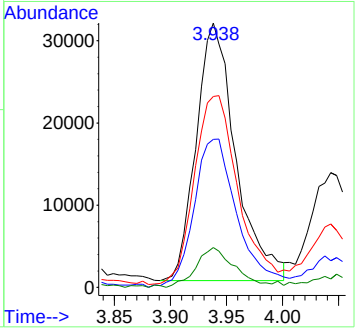


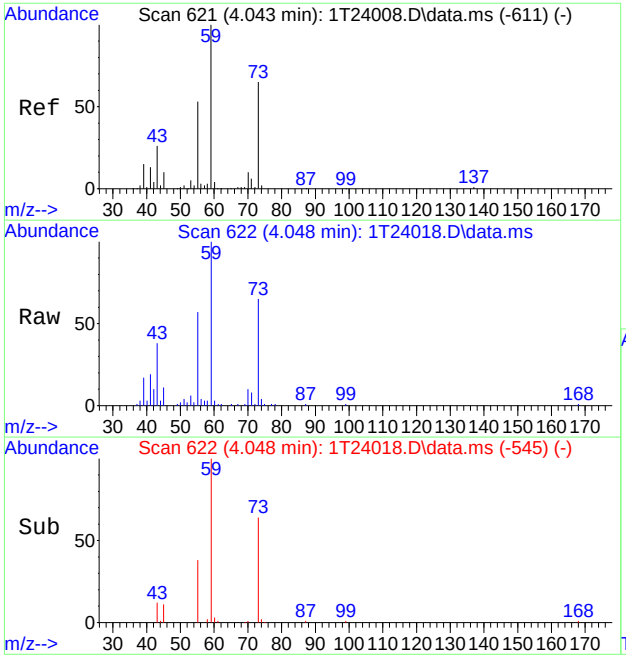


#48
isobutyl alcohol
Concen: 464.82 ug/L
RT: 3.938 min Scan# 601
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion: 43 Resp: 77293

Ion	Ratio	Lower	Upper
43	100		
42	56.8	39.1	79.1
41	72.5	57.3	97.3
74	14.8	0.0	35.9

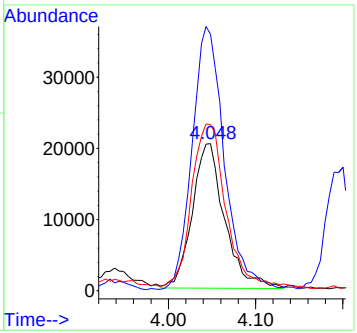


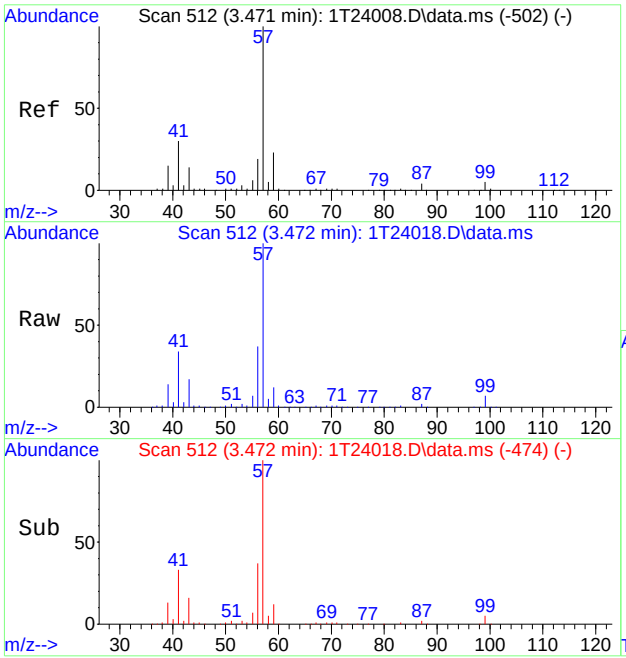


#49
tert-amyl alcohol
Concen: 232.39 ug/L
RT: 4.048 min Scan# 622
Delta R.T. 0.005 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion: 55 Resp: 52342

Ion	Ratio	Lower	Upper
55	100		
59	177.2	167.3	207.3
73	112.7	102.0	142.0

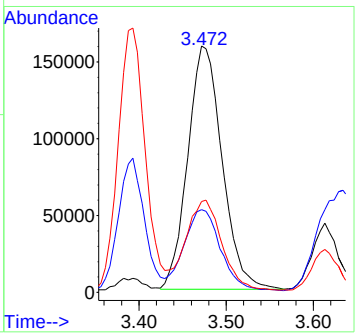


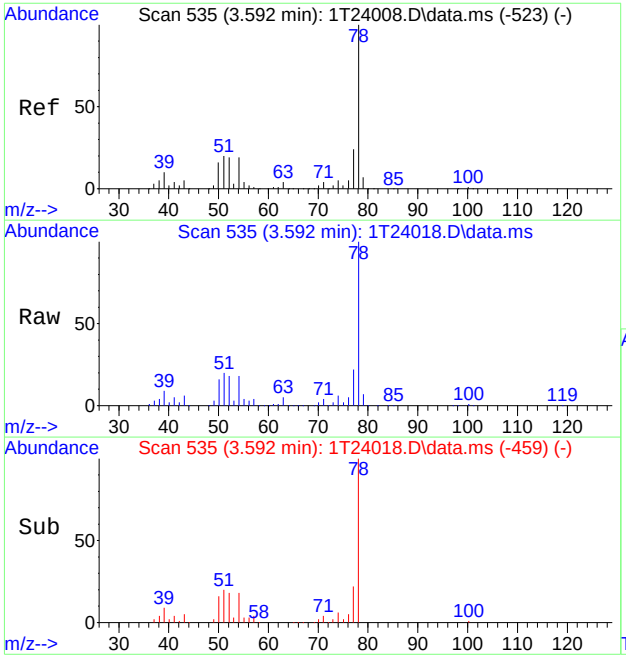


#52
iso-octane
Concen: 50.16 ug/L
RT: 3.472 min Scan# 512
Delta R.T. 0.001 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion: 57 Resp: 433336

Ion	Ratio	Lower	Upper
57	100		
41	33.3	17.8	57.8
56	36.4	15.2	55.2

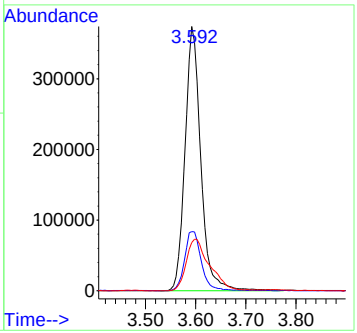


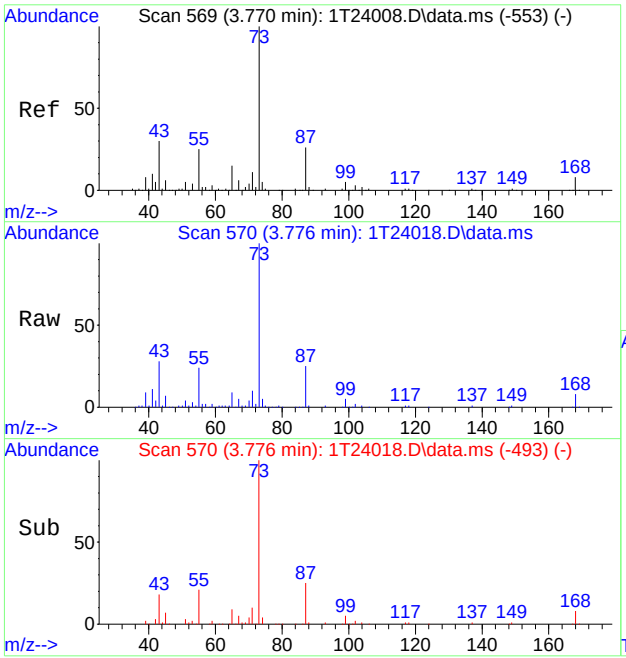


#53
benzene
Concen: 54.93 ug/L
RT: 3.592 min Scan# 535
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion: 78 Resp: 822803

Ion	Ratio	Lower	Upper
78	100		
77	22.3	0.0	54.3
52	18.3	0.0	48.8

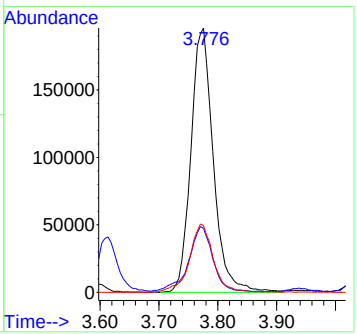


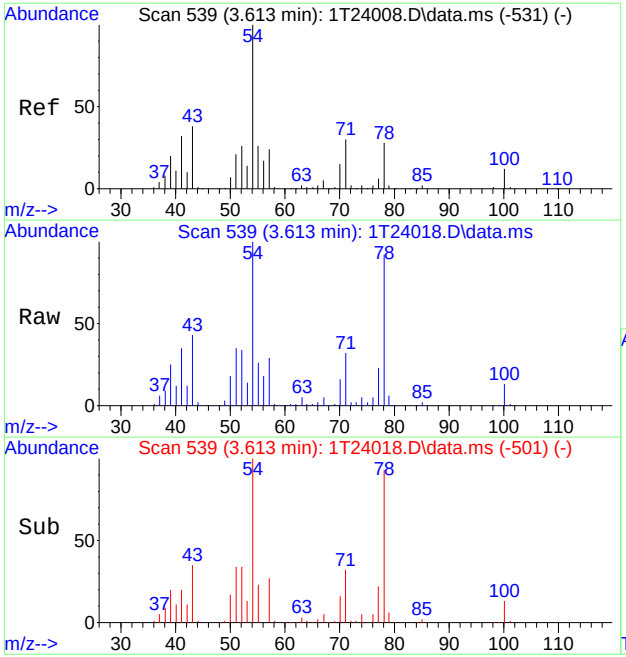


#54
tert-amyl methyl ether
Concen: 52.40 ug/L
RT: 3.776 min Scan# 570
Delta R.T. 0.006 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion: 73 Resp: 520071

Ion	Ratio	Lower	Upper
73	100		
55	23.7	5.6	45.6
87	25.1	6.1	46.1

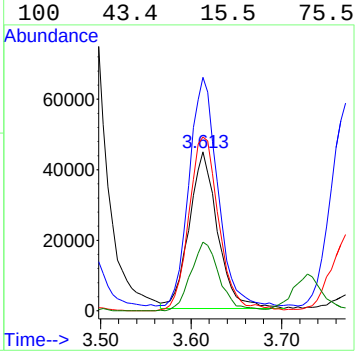


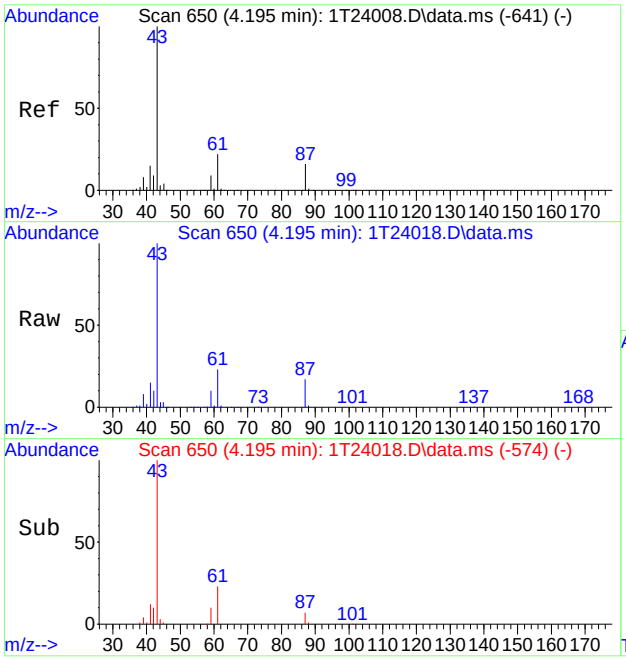


#55
heptane
Concen: 58.05 ug/L
RT: 3.613 min Scan# 539
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion: 57 Resp: 97622

Ion	Ratio	Lower	Upper
57	100		
43	145.5	120.9	180.9
71	110.1	89.7	149.7
100	43.4	15.5	75.5

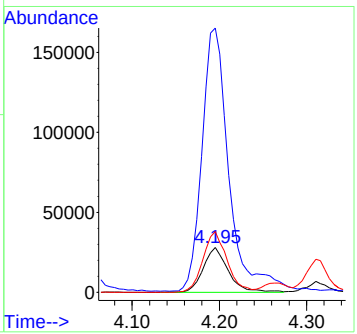


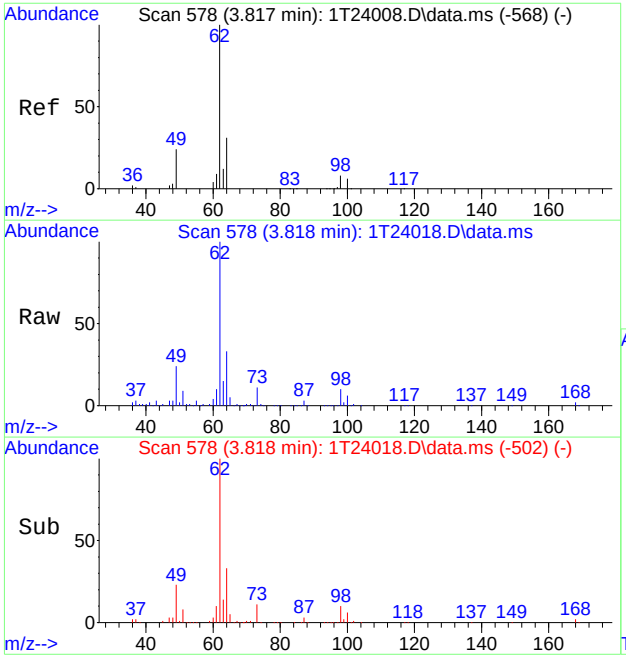


#56
isopropyl acetate
Concen: 46.86 ug/L
RT: 4.195 min Scan# 650
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion: 87 Resp: 56050

Ion	Ratio	Lower	Upper
87	100		
43	587.3	606.7	666.7#
61	135.9	109.0	169.0

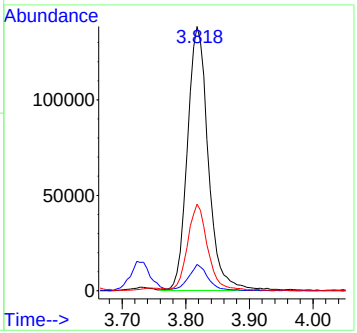


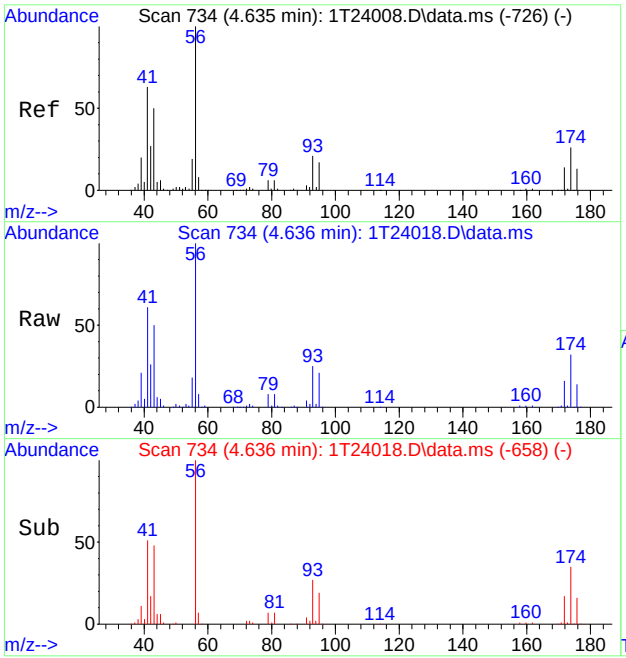


#57
1,2-dichloroethane
Concen: 48.44 ug/L
RT: 3.818 min Scan# 578
Delta R.T. 0.001 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion: 62 Resp: 315587

Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	39.3
64	32.7	1.8	61.8

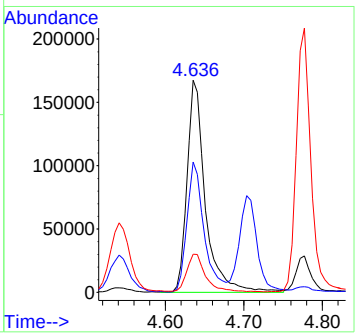


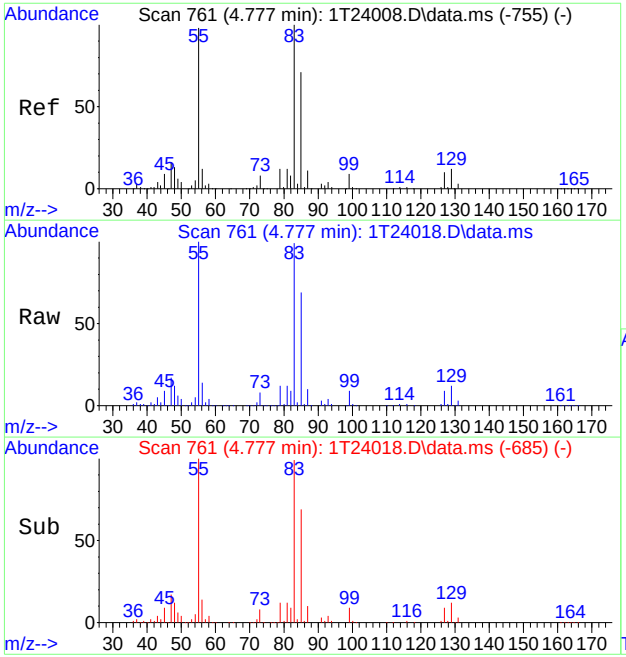


#58
n-butyl alcohol
Concen: 2336.00 ug/L
RT: 4.636 min Scan# 734
Delta R.T. 0.001 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion: 56 Resp: 270592

Ion	Ratio	Lower	Upper
56	100		
41	61.1	42.6	82.6
55	17.2	0.0	38.9

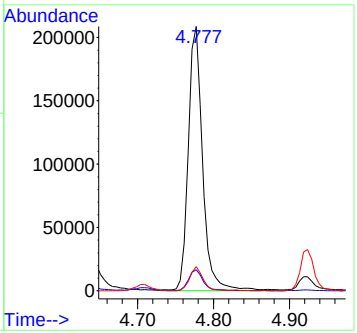


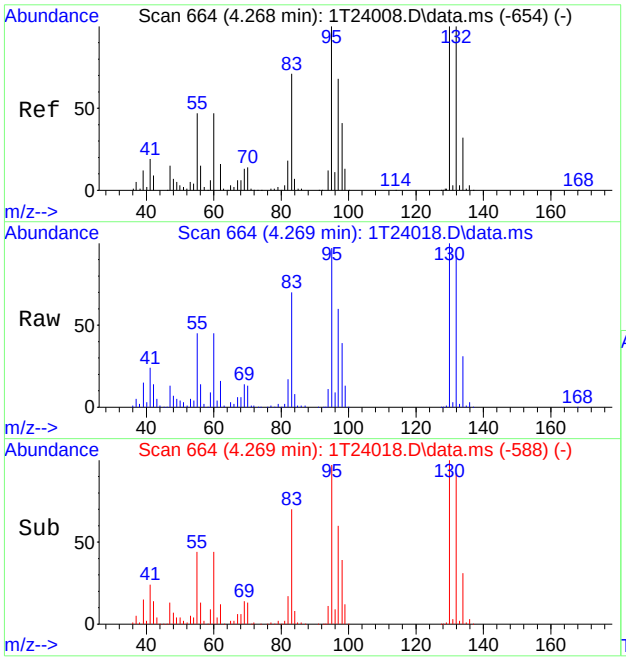


#59
ethyl acrylate
Concen: 58.22 ug/L
RT: 4.777 min Scan# 761
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion: 55 Resp: 274507

Ion	Ratio	Lower	Upper
55	100		
73	8.0	0.0	37.8
99	9.2	0.0	39.3

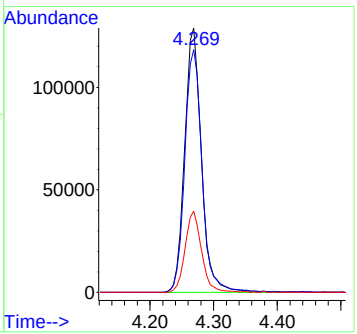


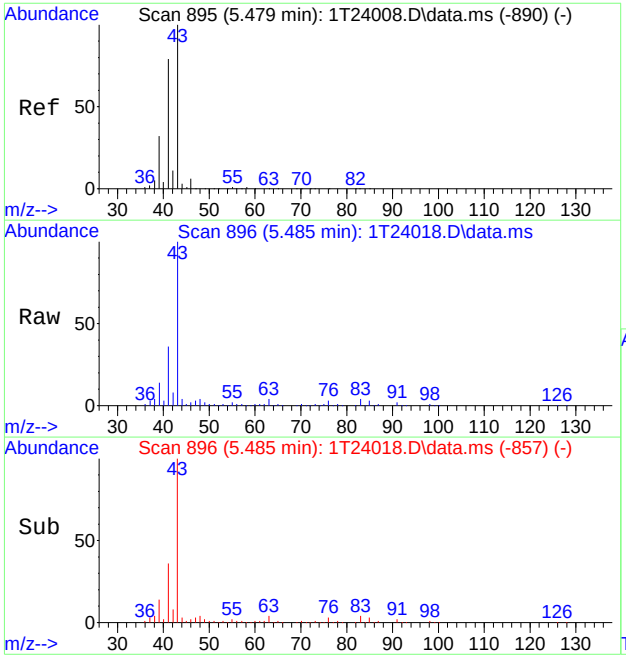


#60
trichloroethene
Concen: 57.75 ug/L
RT: 4.269 min Scan# 664
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion:130 Resp: 236161

Ion	Ratio	Lower	Upper
130	100		
132	91.8	69.8	129.8
134	30.7	2.3	62.3

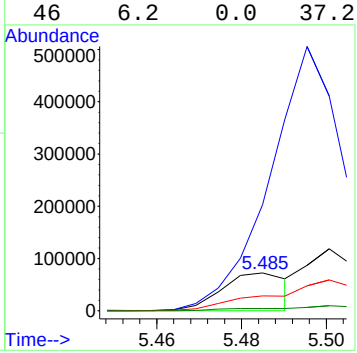


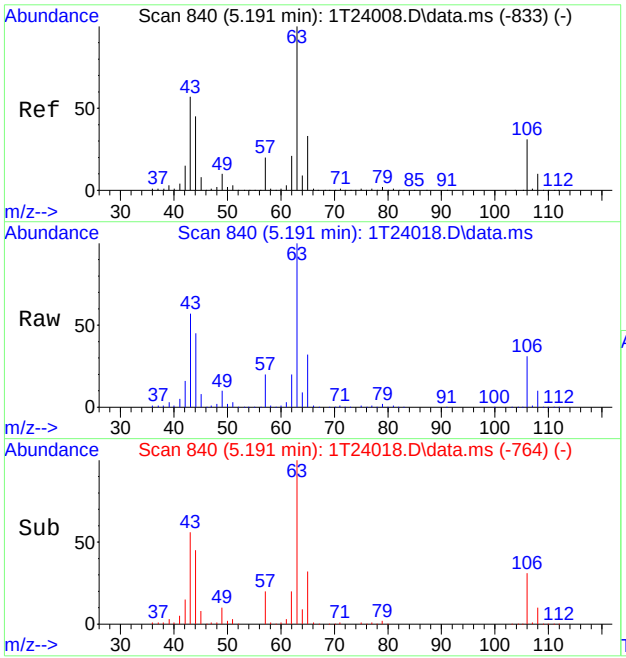


#61
2-nitropropane
Concen: 54.15 ug/L m
RT: 5.485 min Scan# 896
Delta R.T. 0.006 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion: 41 Resp: 78669

Ion	Ratio	Lower	Upper
41	100		
43	279.9	96.2	156.2#
39	39.3	11.9	71.9
46	6.2	0.0	37.2

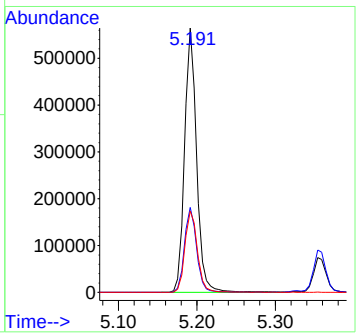


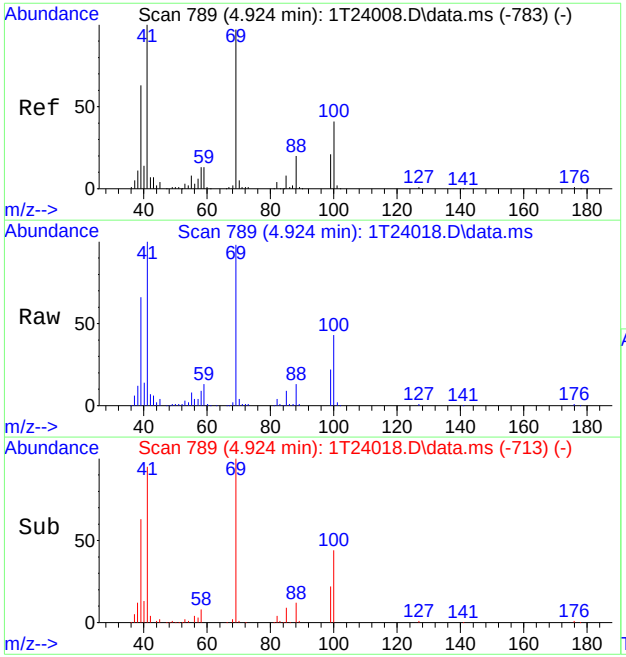


#62
2-chloroethyl vinyl ether
Concen: 220.61 ug/L
RT: 5.191 min Scan# 840
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion: 63 Resp: 601937

Ion	Ratio	Lower	Upper
63	100		
65	32.1	2.7	62.7
106	30.7	0.6	60.6

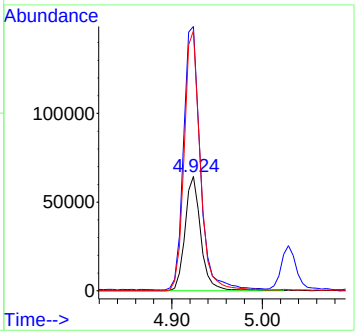


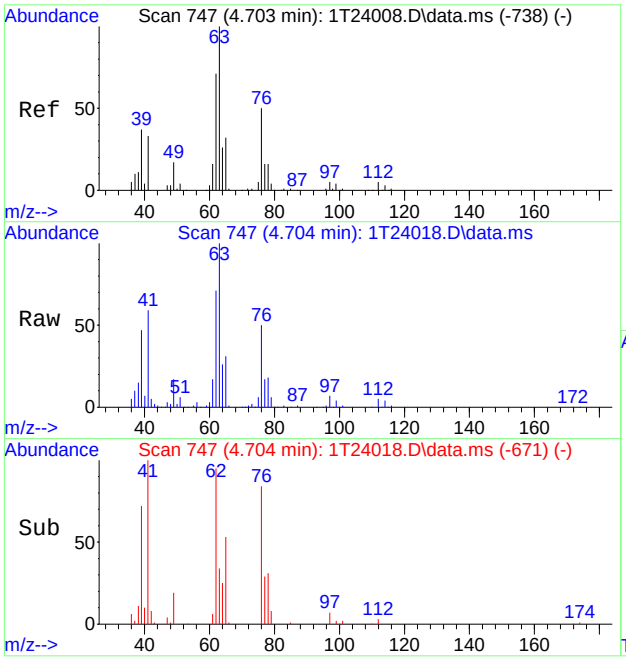


#63
methyl methacrylate
Concen: 65.70 ug/L
RT: 4.924 min Scan# 789
Delta R.T. -0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion:100 Resp: 78524

Ion	Ratio	Lower	Upper
100	100		
41	230.4	214.5	274.5
69	227.5	207.6	267.6

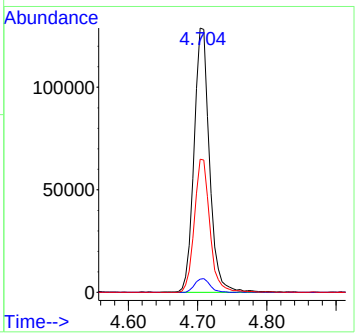


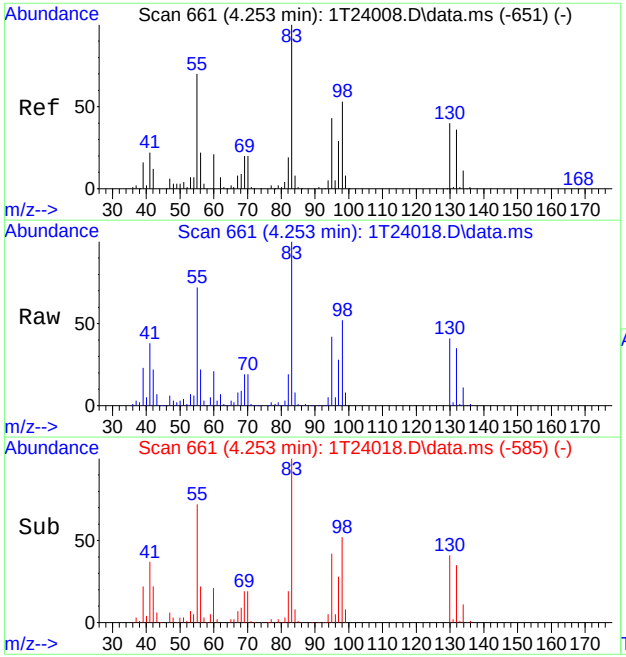


#64
1,2-dichloropropane
Concen: 52.21 ug/L
RT: 4.704 min Scan# 747
Delta R.T. 0.001 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion: 63 Resp: 199698

Ion	Ratio	Lower	Upper
63	100		
112	5.0	0.0	34.7
76	50.4	20.1	80.1

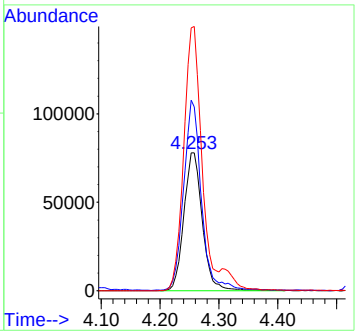


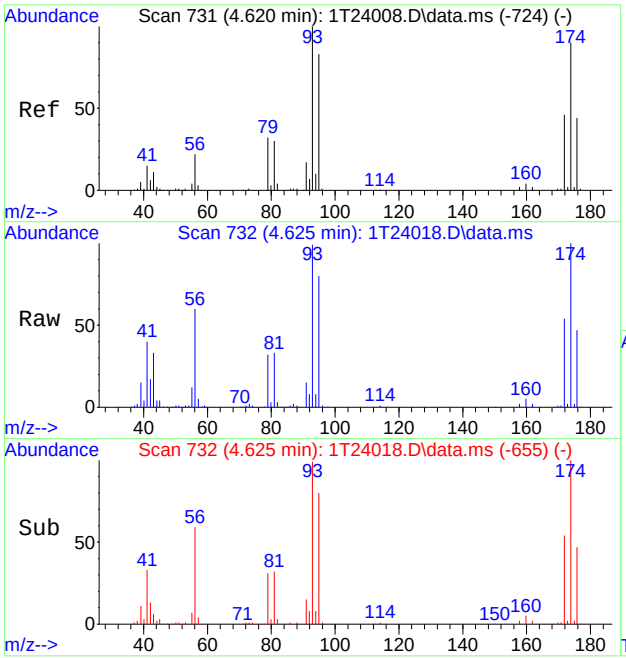


#65
methylcyclohexane
Concen: 59.59 ug/L
RT: 4.253 min Scan# 661
Delta R.T. -0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion: 98 Resp: 170535

Ion	Ratio	Lower	Upper
98	100		
55	137.6	102.6	162.6
83	190.4	188.2	188.2#

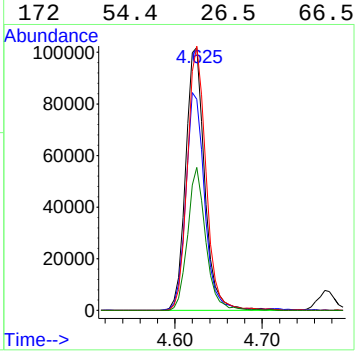


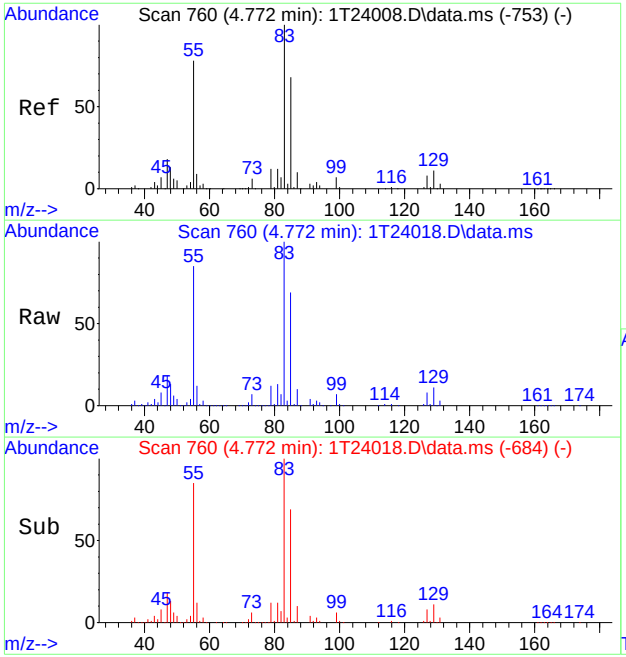


#66
dibromomethane
Concen: 47.70 ug/L
RT: 4.625 min Scan# 732
Delta R.T. 0.005 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion: 93 Resp: 154040

Ion	Ratio	Lower	Upper
93	100		
95	80.3	53.3	113.3
174	100.6	59.6	119.6
172	54.4	26.5	66.5

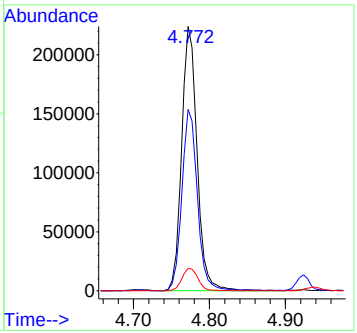


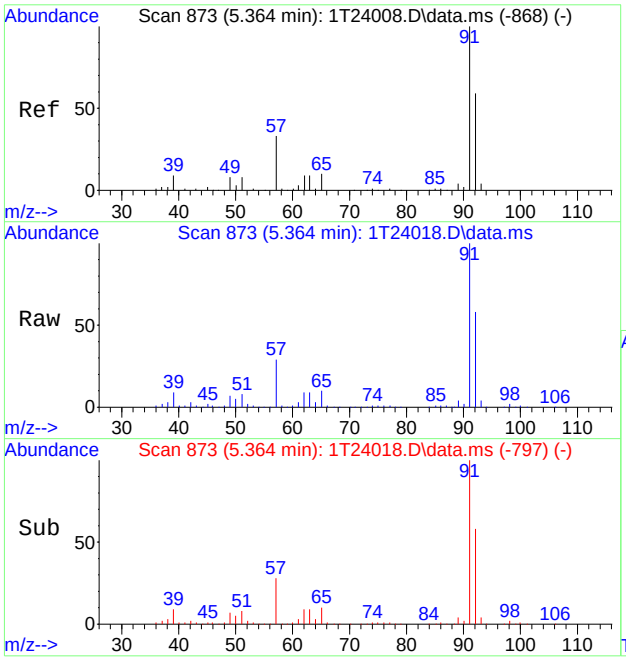


#67
bromodichloromethane
Concen: 51.93 ug/L
RT: 4.772 min Scan# 760
Delta R.T. -0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion: 83 Resp: 316976

Ion	Ratio	Lower	Upper
83	100		
85	68.6	38.0	98.0
127	8.5	0.0	38.3

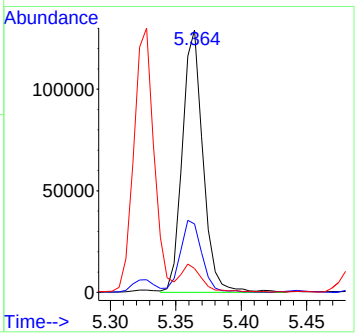


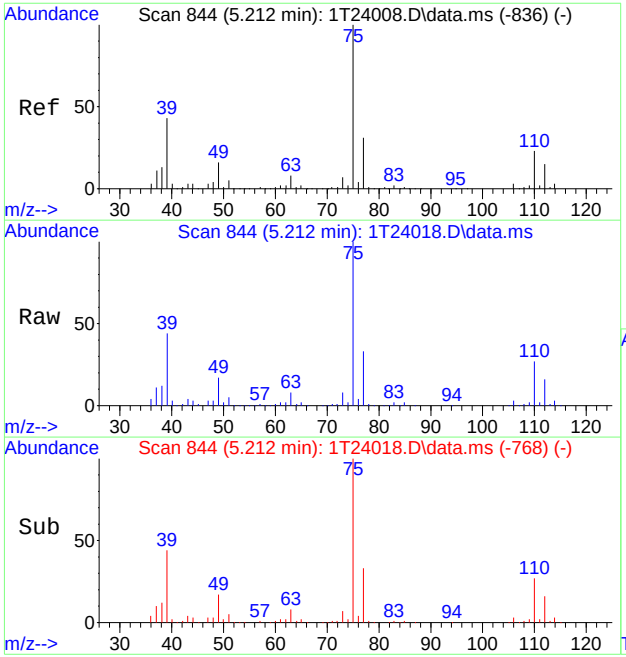


#68
epichlorohydrin
Concen: 253.10 ug/L
RT: 5.364 min Scan# 873
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion: 57 Resp: 142019

Ion	Ratio	Lower	Upper
57	100		
49	25.8	5.6	45.6
42	8.9	0.0	29.5

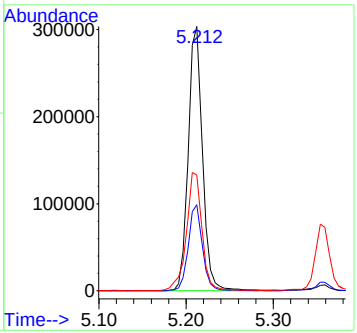


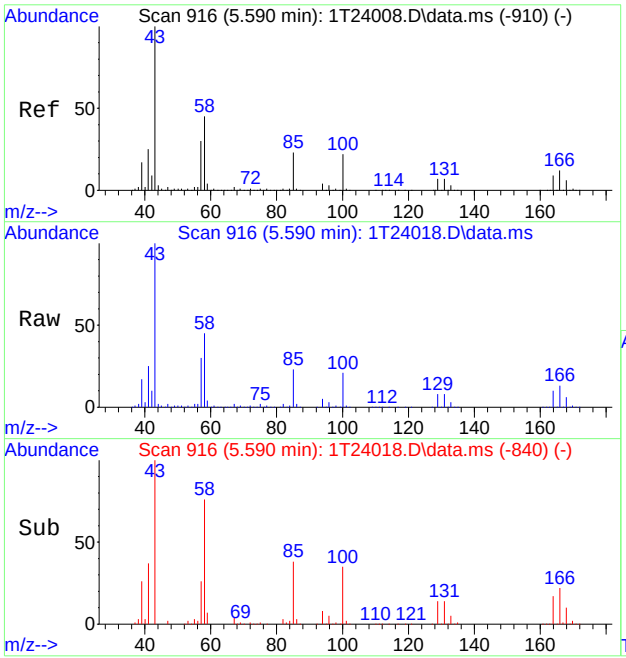


#69
cis-1,3-dichloropropene
Concen: 50.34 ug/L
RT: 5.212 min Scan# 844
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion: 75 Resp: 345375

Ion	Ratio	Lower	Upper
75	100		
77	32.6	1.4	61.4
39	43.7	13.3	73.3

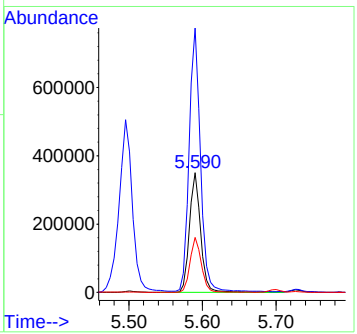


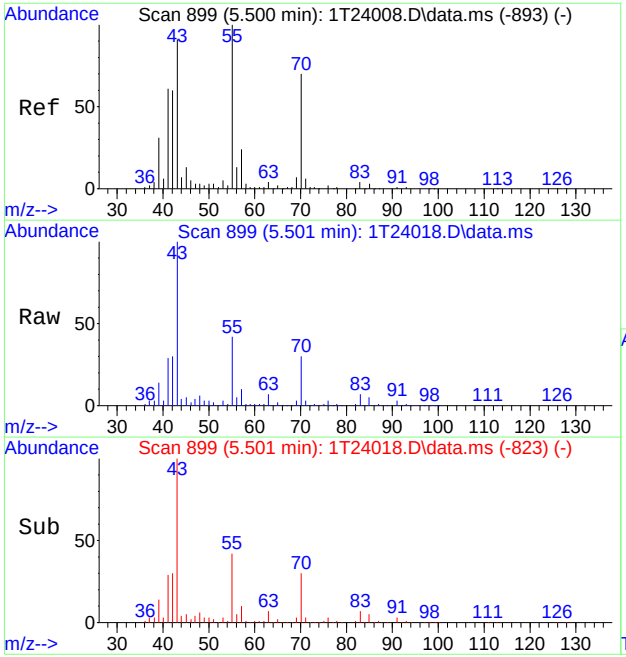


#70
4-methyl-2-pentanone
Concen: 220.54 ug/L
RT: 5.590 min Scan# 916
Delta R.T. -0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion: 58 Resp: 371305

Ion	Ratio	Lower	Upper
58	100		
43	220.3	192.2	252.2
100	45.8	18.2	78.2

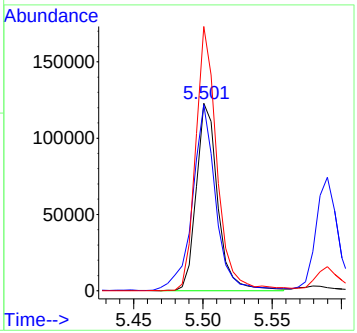


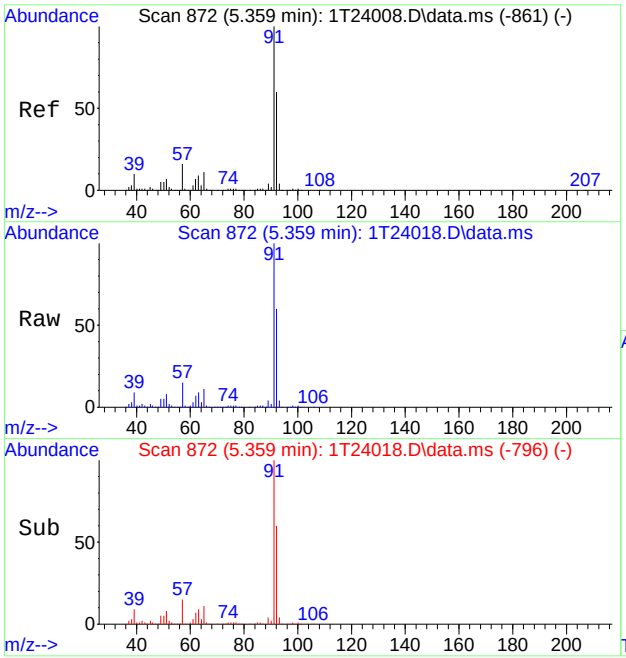


#71
3-methyl-1-butanol
Concen: 966.87 ug/L
RT: 5.501 min Scan# 899
Delta R.T. 0.001 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion: 70 Resp: 132244

Ion	Ratio	Lower	Upper
70	100		
42	98.0	54.9	114.9
55	141.1	112.0	172.0

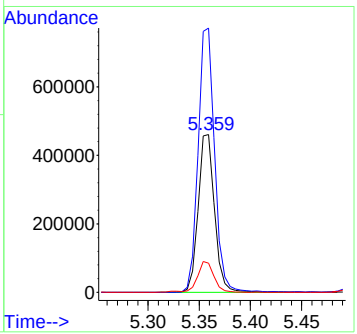


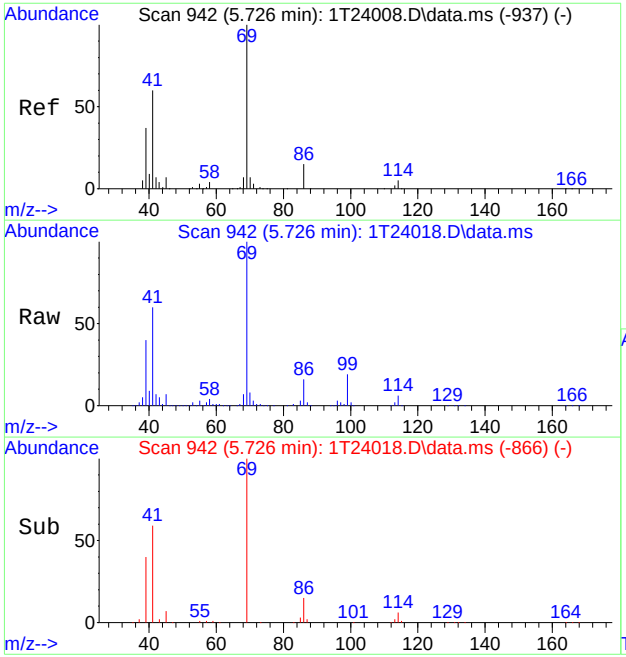


#74
toluene
Concen: 50.10 ug/L
RT: 5.359 min Scan# 872
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion: 92 Resp: 515797

Ion	Ratio	Lower	Upper
92	100		
91	167.5	147.9	187.9
65	18.5	0.0	38.0

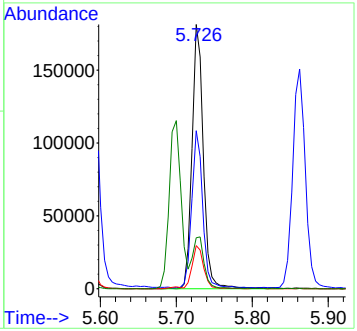


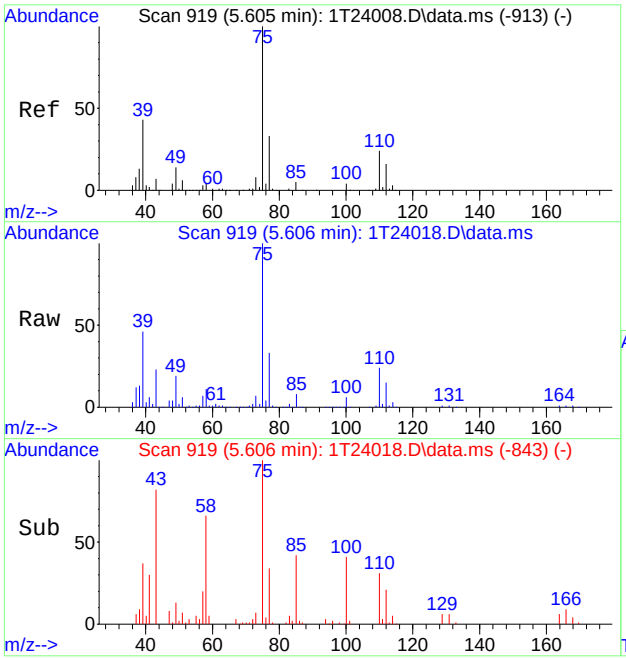


#75
ethyl methacrylate
Concen: 42.82 ug/L
RT: 5.726 min Scan# 942
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion: 69 Resp: 188383

Ion	Ratio	Lower	Upper
69	100		
41	59.2	40.2	80.2
86	16.3	0.0	35.4
99	19.2	0.0	39.8

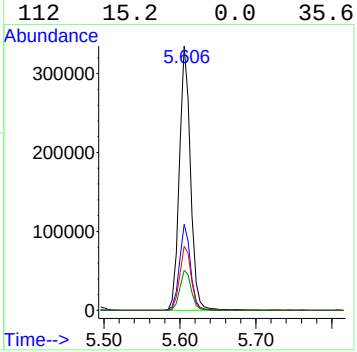


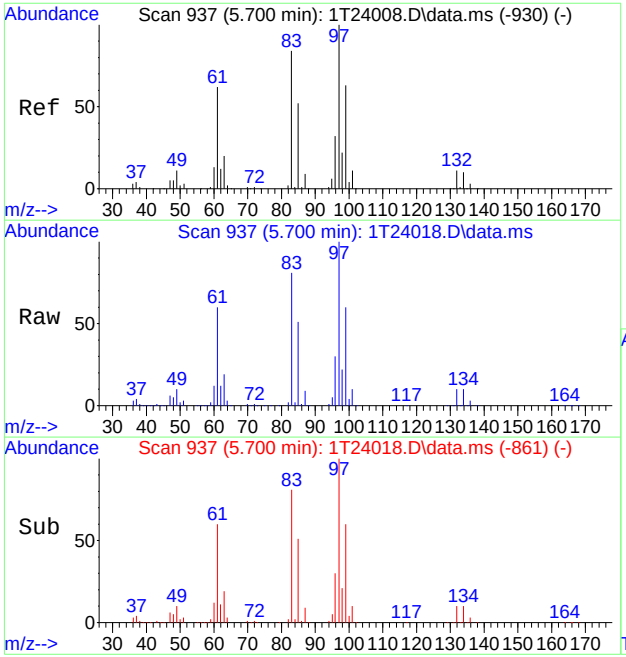


#76
trans-1,3-dichloropropene
Concen: 56.60 ug/L
RT: 5.606 min Scan# 919
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion: 75 Resp: 343269

Ion	Ratio	Lower	Upper
75	100		
77	32.5	12.7	52.7
110	24.3	4.1	44.1
112	15.2	0.0	35.6

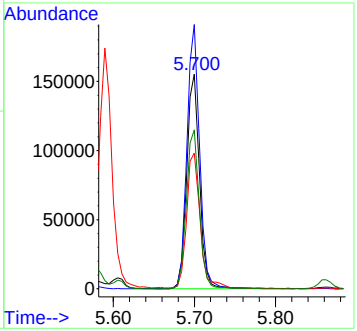


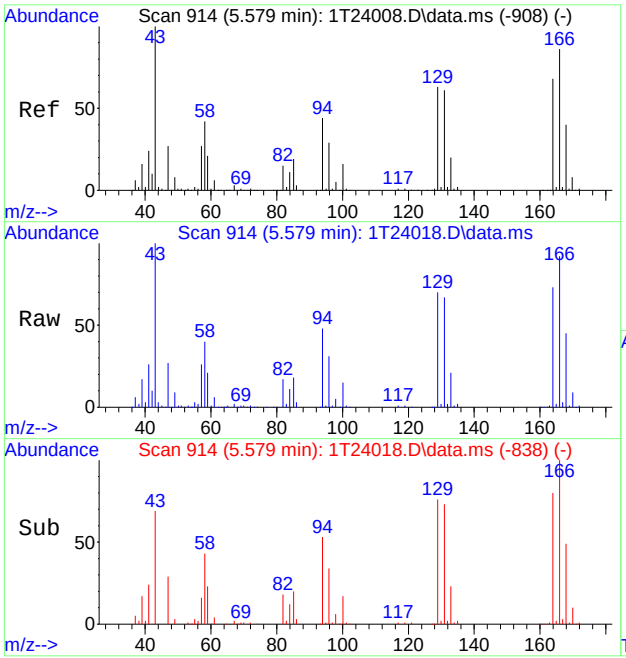


#77
1,1,2-trichloroethane
Concen: 54.96 ug/L
RT: 5.700 min Scan# 937
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion: 83 Resp: 169633

Ion	Ratio	Lower	Upper
83	100		
97	123.2	98.8	138.8
85	63.1	41.6	81.6
61	74.0	53.7	93.7

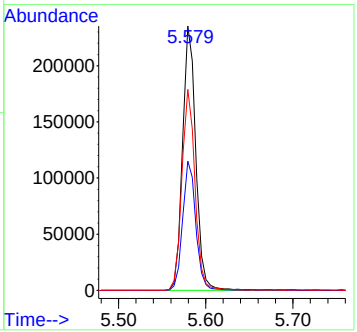


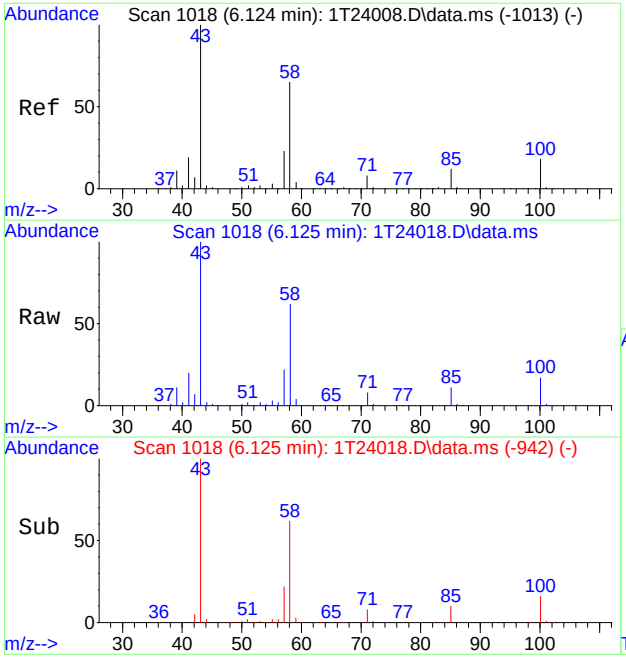


#78
tetrachloroethene
Concen: 57.82 ug/L
RT: 5.579 min Scan# 914
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion:166 Resp: 248612

Ion	Ratio	Lower	Upper
166	100		
168	48.9	16.8	76.8
129	76.0	43.9	103.9

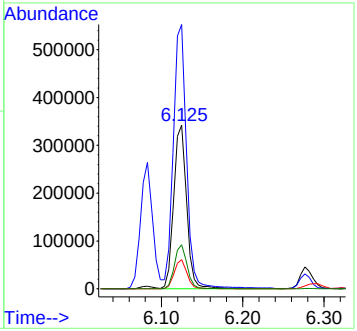


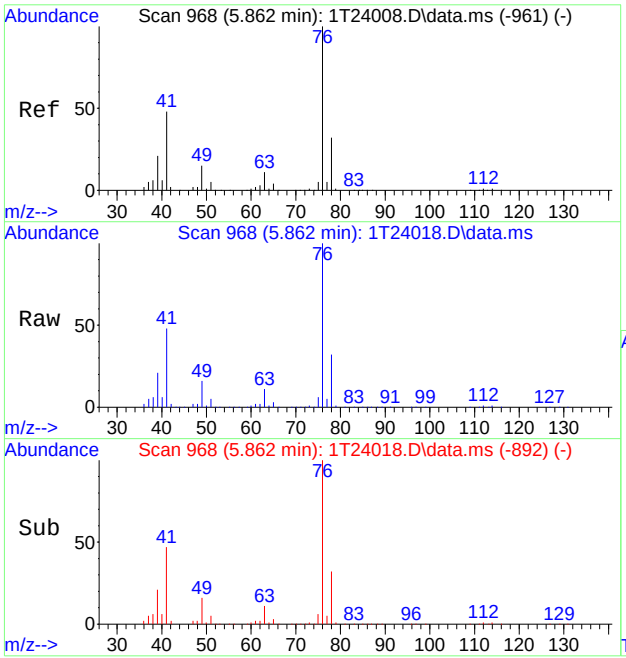


#79
2-hexanone
Concen: 235.33 ug/L
RT: 6.125 min Scan# 1018
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion: 58 Resp: 380627

Ion	Ratio	Lower	Upper
58	100		
43	161.5	139.1	179.1
85	17.9	0.0	38.1
100	27.0	7.8	47.8

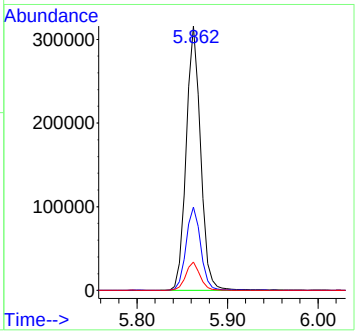


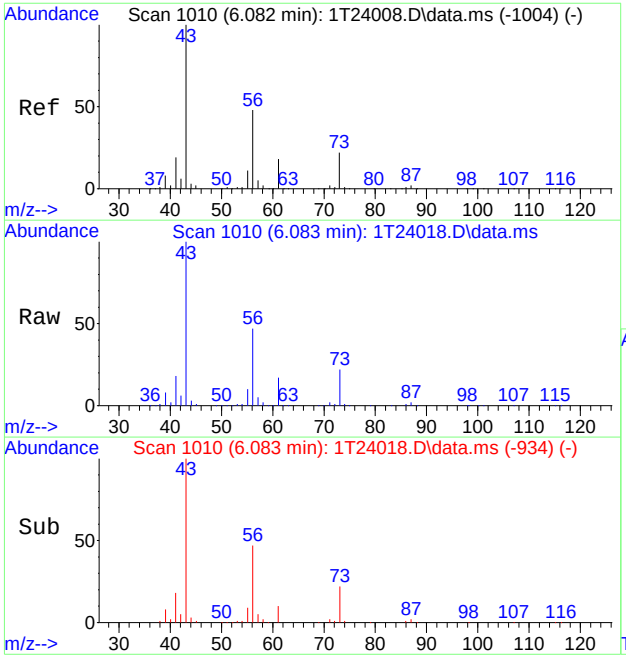


#80
1,3-dichloropropane
Concen: 55.92 ug/L
RT: 5.862 min Scan# 968
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion: 76 Resp: 351576

Ion	Ratio	Lower	Upper
76	100		
78	31.5	2.1	62.1
63	10.7	0.0	40.7

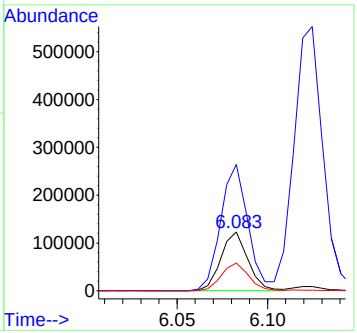


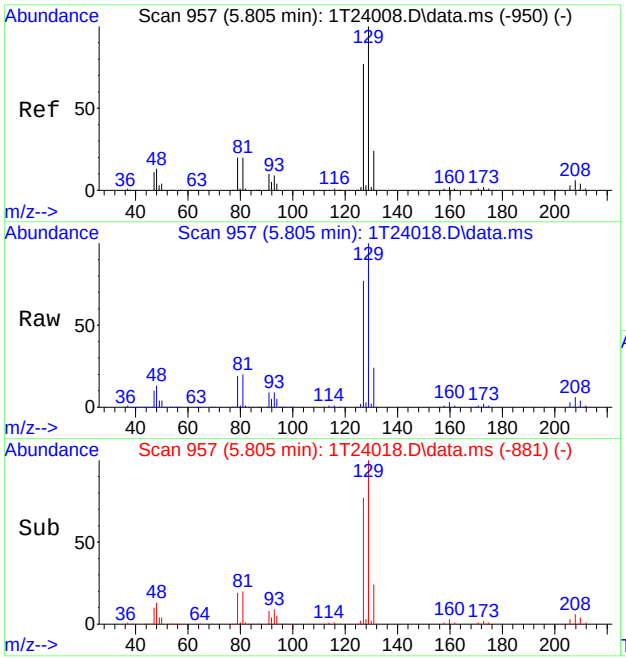


#81
butyl acetate
Concen: 58.71 ug/L
RT: 6.083 min Scan# 1010
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion: 56 Resp: 128165

Ion	Ratio	Lower	Upper
56	100		
43	214.4	177.8	237.8
73	47.2	16.2	76.2

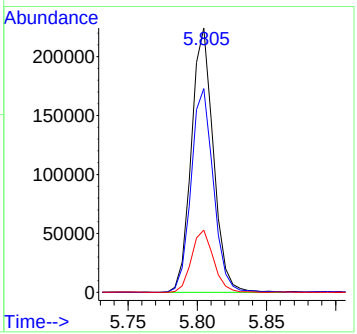


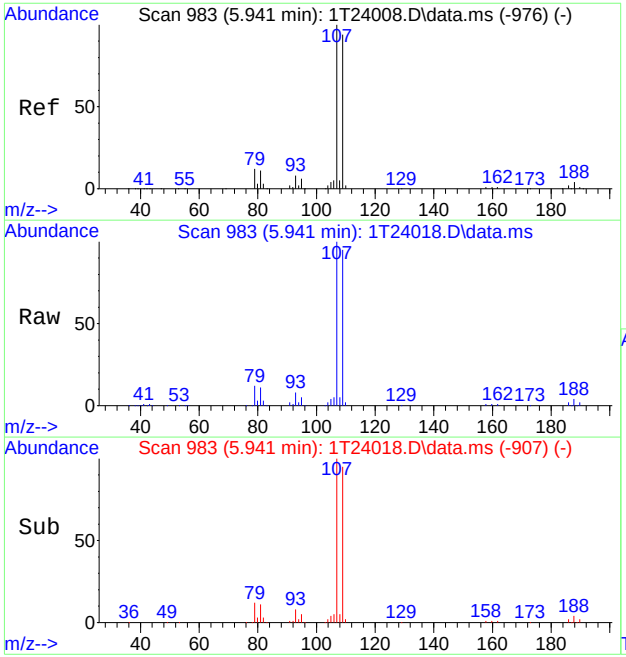


#82
dibromochloromethane
Concen: 53.11 ug/L
RT: 5.805 min Scan# 957
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion:129 Resp: 248472

Ion	Ratio	Lower	Upper
129	100		
127	77.0	47.5	107.5
131	23.6	0.0	54.1

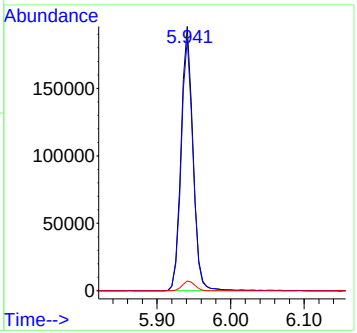


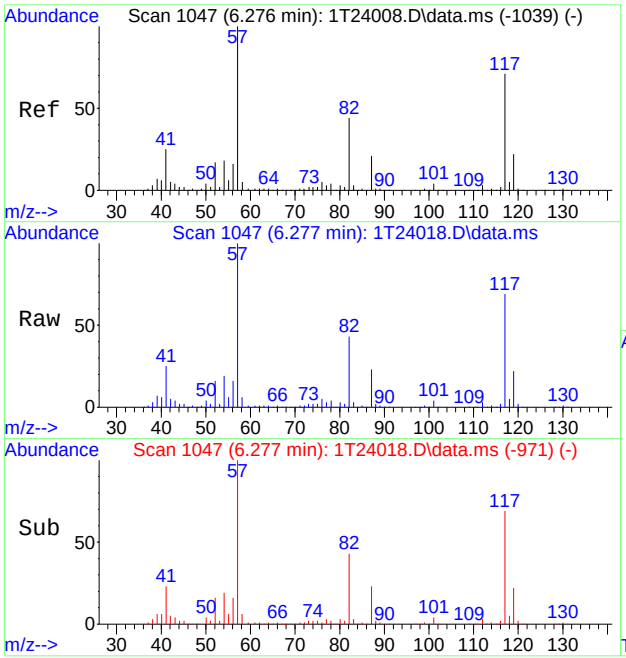


#83
1,2-dibromoethane
Concen: 54.60 ug/L
RT: 5.941 min Scan# 983
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion:107 Resp: 221894

Ion	Ratio	Lower	Upper
107	100		
109	95.1	64.0	124.0
188	3.7	0.0	33.9

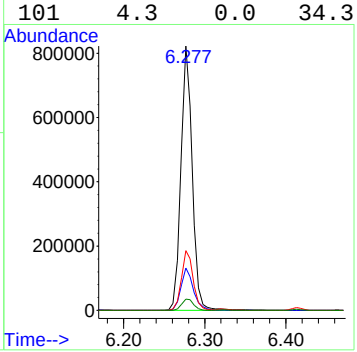


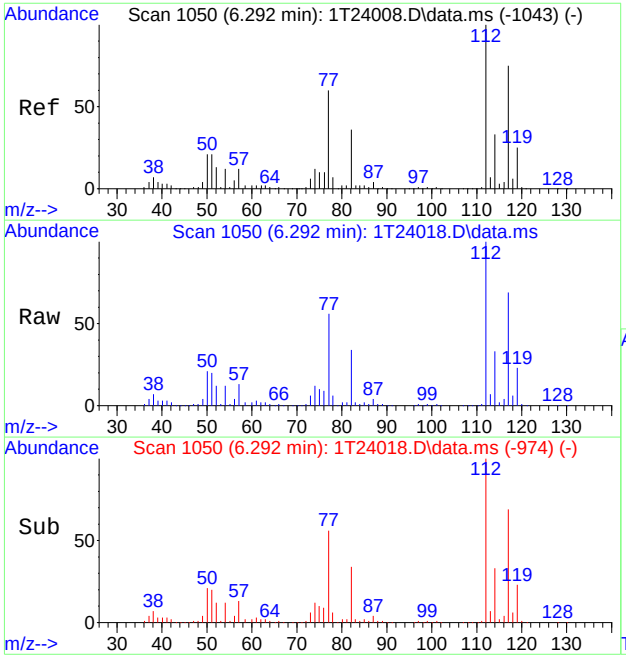


#84
n-butyl ether
Concen: 59.17 ug/L
RT: 6.277 min Scan# 1047
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion: 57 Resp: 803148

Ion	Ratio	Lower	Upper
57	100		
56	16.0	0.0	46.4
87	22.6	0.0	51.4
101	4.3	0.0	34.3

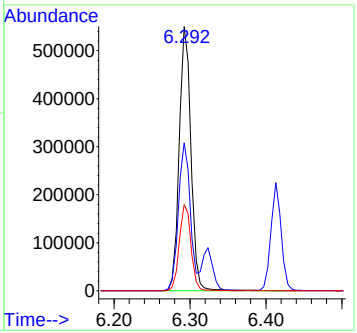


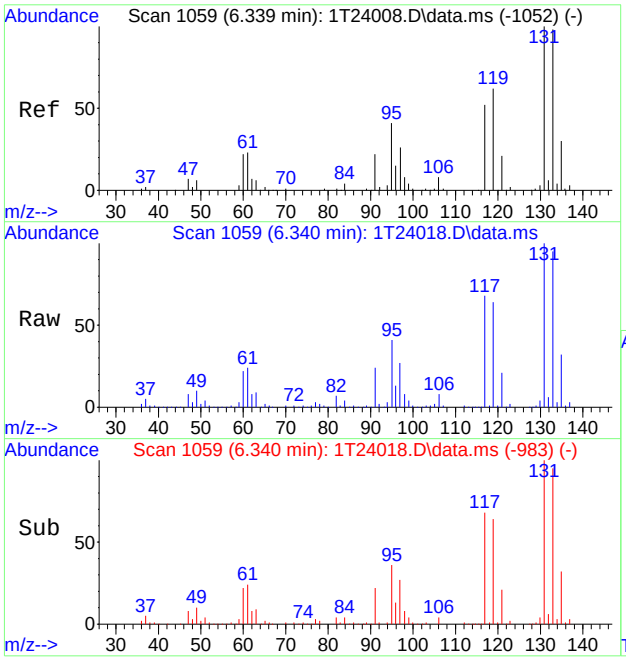


#85
chlorobenzene
Concen: 49.84 ug/L
RT: 6.292 min Scan# 1050
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion:112 Resp: 594238

Ion	Ratio	Lower	Upper
112	100		
77	56.0	29.6	89.6
114	32.6	3.1	63.1

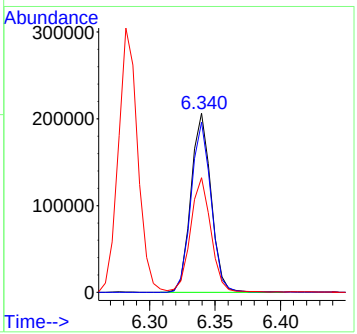


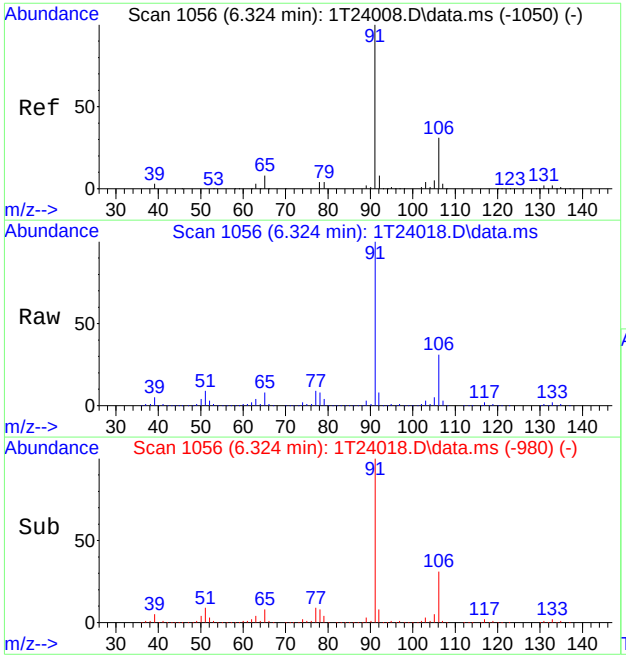


#86
1,1,1,2-tetrachloroethane
Concen: 53.39 ug/L
RT: 6.340 min Scan# 1059
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion:131 Resp: 220833

Ion	Ratio	Lower	Upper
131	100		
133	94.9	67.5	127.5
119	63.7	36.1	96.1

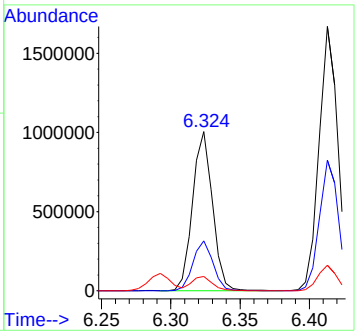


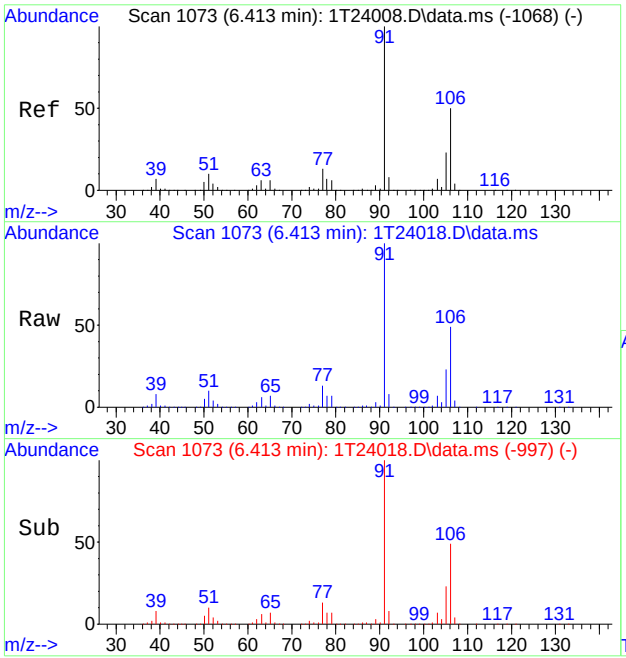


#87
ethylbenzene
Concen: 52.59 ug/L
RT: 6.324 min Scan# 1056
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion: 91 Resp: 1004484

Ion	Ratio	Lower	Upper
91	100		
106	31.3	1.3	61.3
51	9.0	0.0	39.0

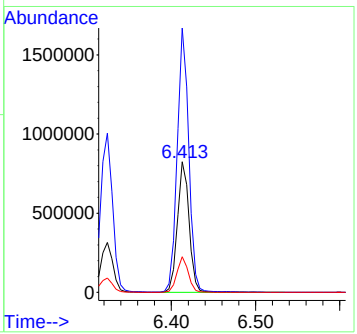


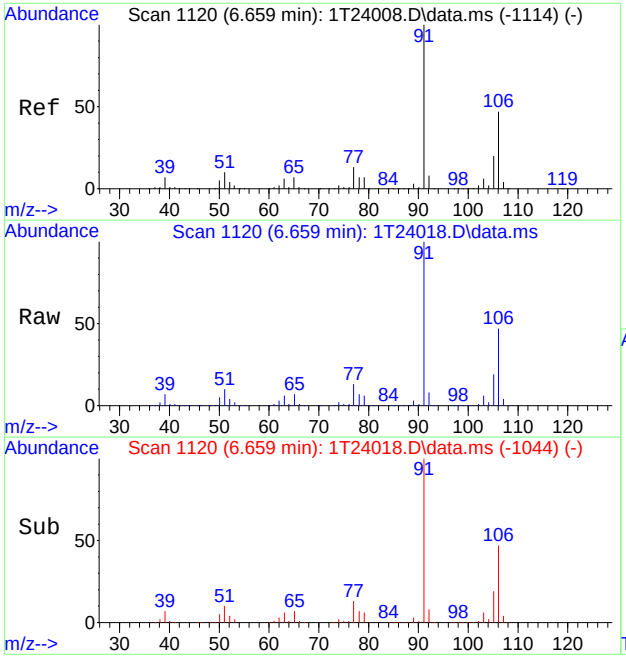


#88
m,p-xylene
Concen: 108.44 ug/L
RT: 6.413 min Scan# 1073
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion:106 Resp: 798266

Ion	Ratio	Lower	Upper
106	100		
91	202.2	169.8	229.8
77	27.3	6.7	46.7

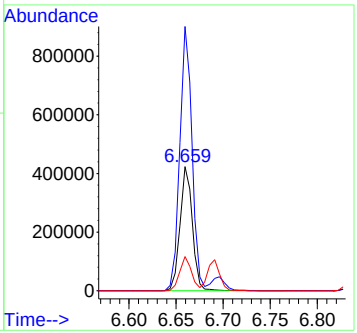


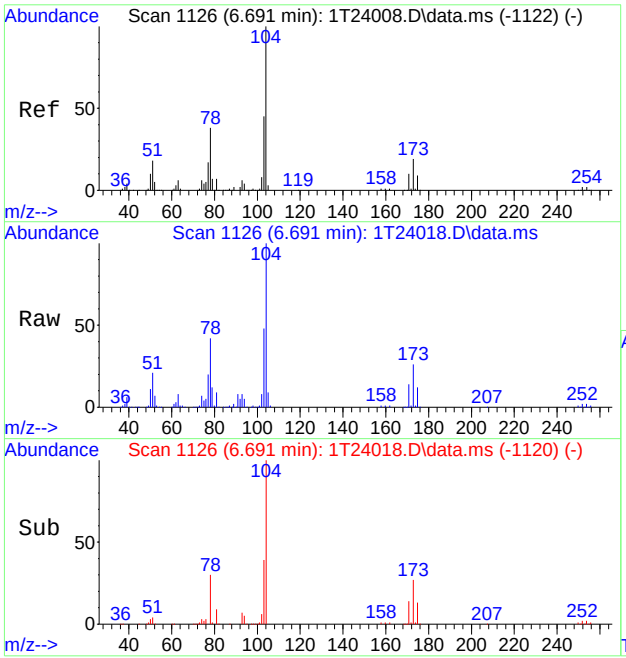


#89
o-xylene
Concen: 57.04 ug/L
RT: 6.659 min Scan# 1120
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion:106 Resp: 388945

Ion	Ratio	Lower	Upper
106	100		
91	212.8	181.7	241.7
77	27.5	6.5	46.5

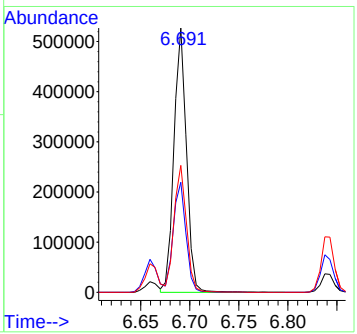


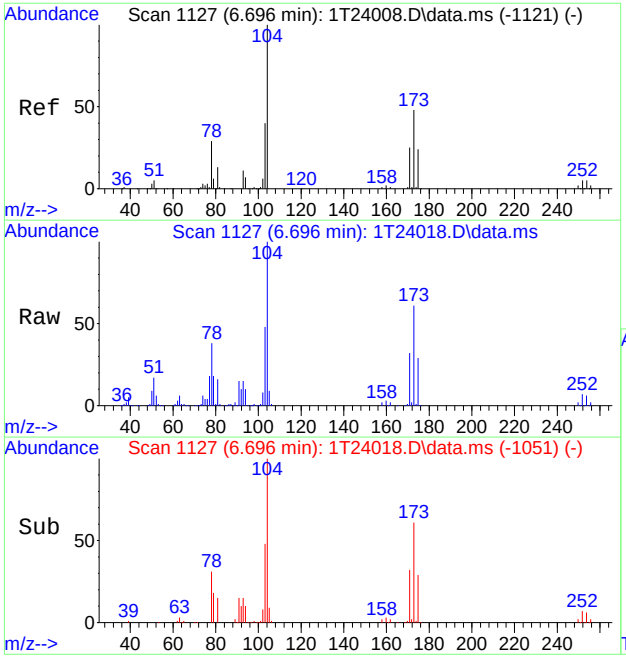


#90
styrene
Concen: 42.80 ug/L
RT: 6.691 min Scan# 1126
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion:104 Resp: 470531

Ion	Ratio	Lower	Upper
104	100		
78	41.7	9.6	69.6
103	48.0	16.5	76.5

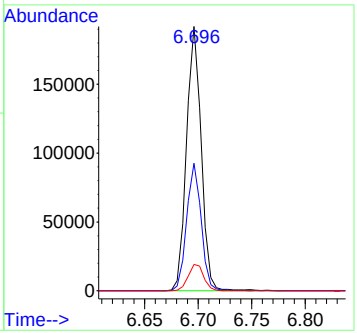


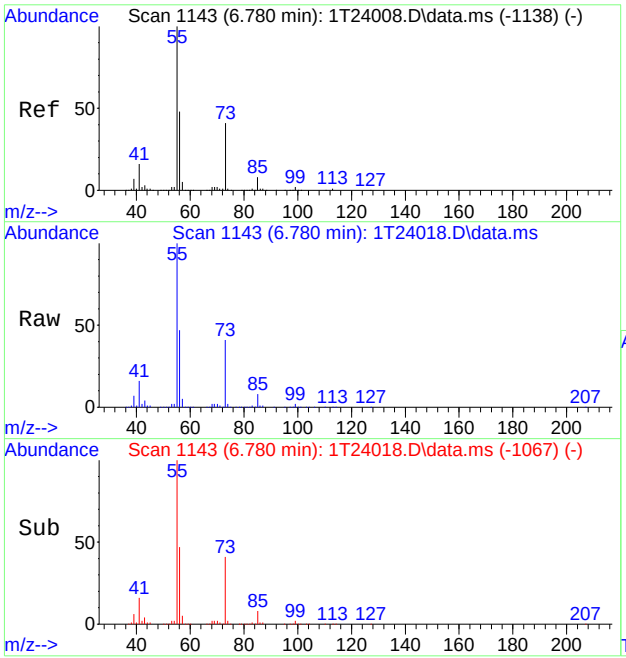


#91
bromoform
Concen: 51.65 ug/L
RT: 6.696 min Scan# 1127
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion:173 Resp: 183967

Ion	Ratio	Lower	Upper
173	100		
175	48.2	19.5	79.5
254	10.0	0.0	40.4

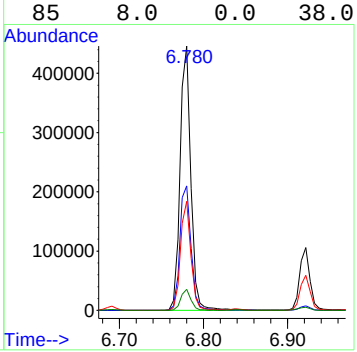


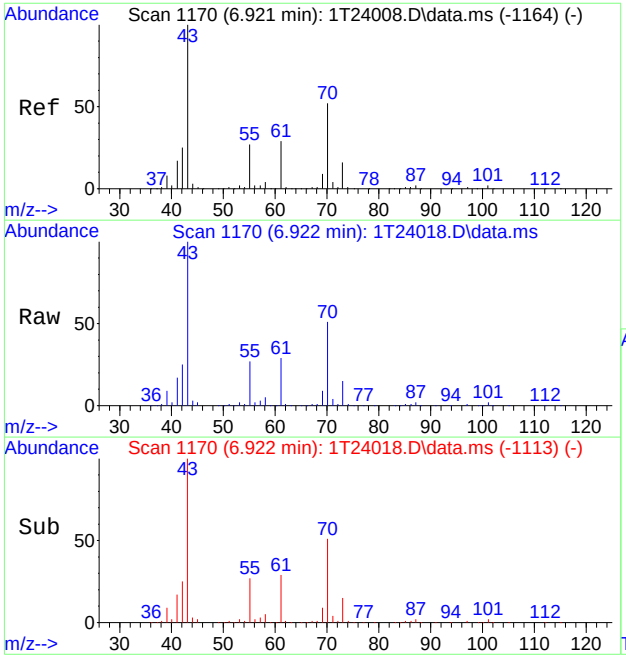


#92
butyl acrylate
Concen: 61.41 ug/L
RT: 6.780 min Scan# 1143
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion: 55 Resp: 395995

Ion	Ratio	Lower	Upper
55	100		
56	47.1	18.5	78.5
73	41.2	10.6	70.6
85	8.0	0.0	38.0

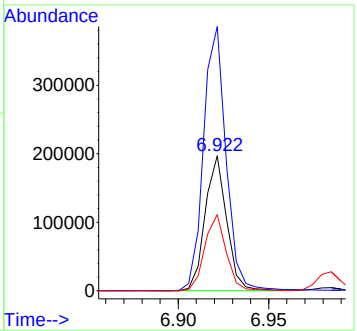


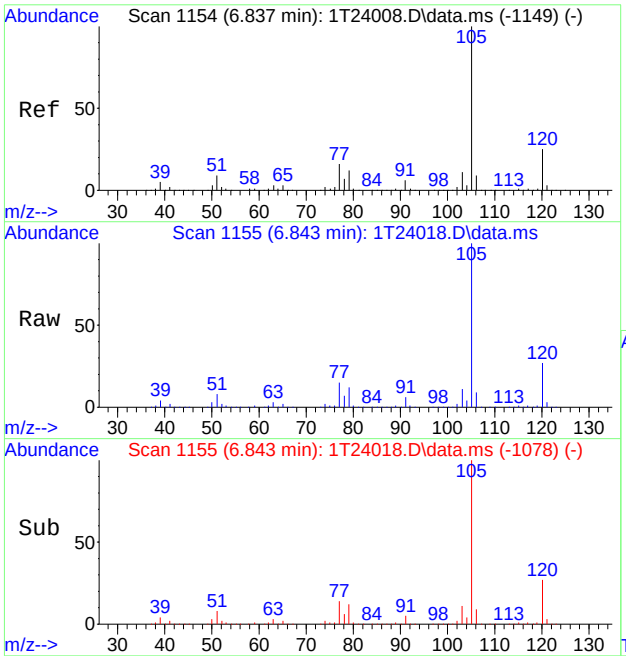


#93
n-amyl acetate
Concen: 59.33 ug/L
RT: 6.922 min Scan# 1170
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion: 70 Resp: 162929

Ion	Ratio	Lower	Upper
70	100		
43	195.8	171.9	211.9
61	56.5	35.4	75.4

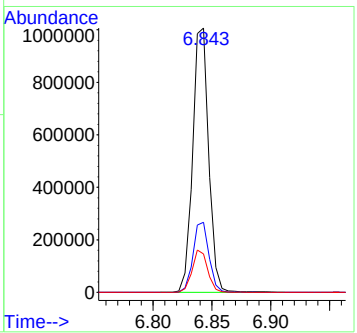


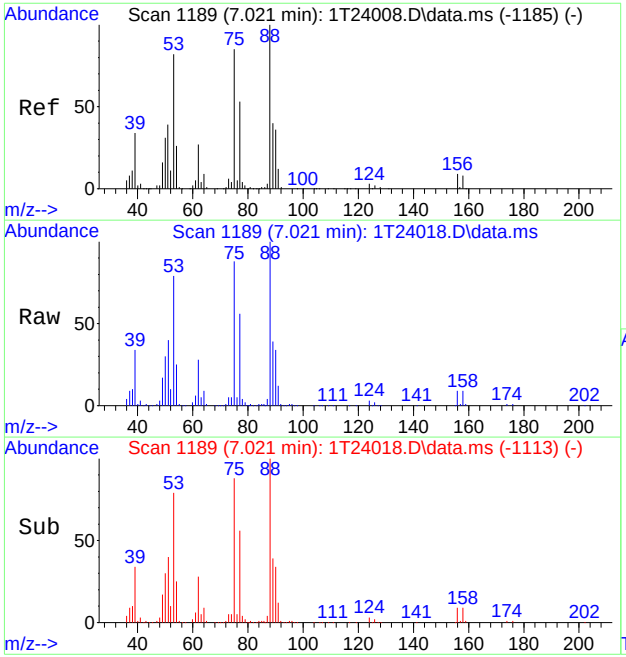


#94
isopropylbenzene
Concen: 55.13 ug/L
RT: 6.843 min Scan# 1155
Delta R.T. 0.006 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion:105 Resp: 955267

Ion	Ratio	Lower	Upper
105	100		
120	26.6	5.3	45.3
77	14.6	0.0	36.1

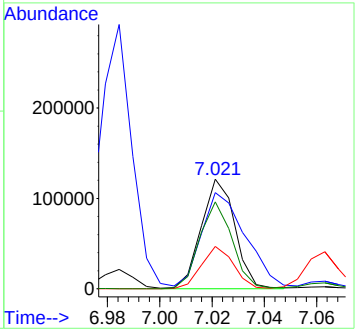


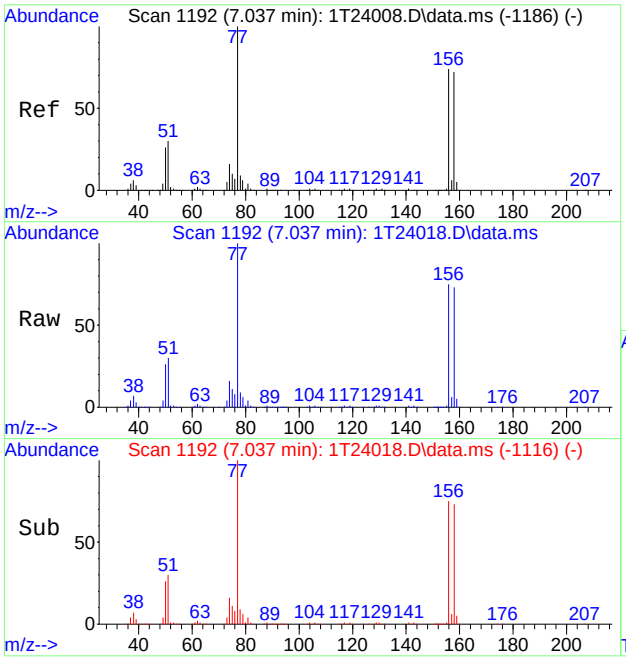


#95
cis-1,4-dichloro-2-butene
Concen: 52.06 ug/L
RT: 7.021 min Scan# 1189
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion: 88 Resp: 109634

Ion	Ratio	Lower	Upper
88	100		
75	84.9	67.1	107.1
89	38.9	19.7	59.7
53	79.6	61.6	101.6

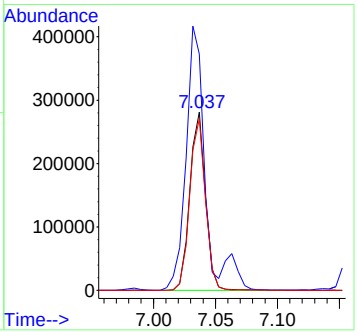


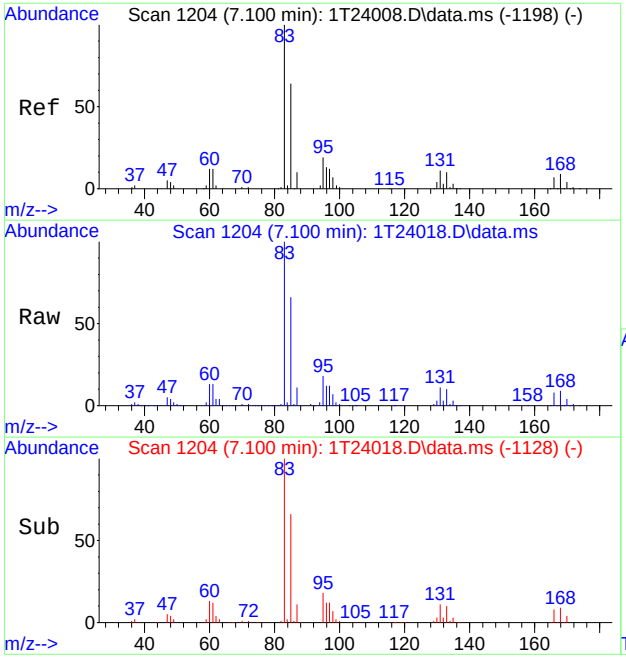


#98
bromobenzene
Concen: 49.90 ug/L
RT: 7.037 min Scan# 1192
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion:156 Resp: 246571

Ion	Ratio	Lower	Upper
156	100		
77	132.5	104.6	164.6
158	96.3	67.1	127.1

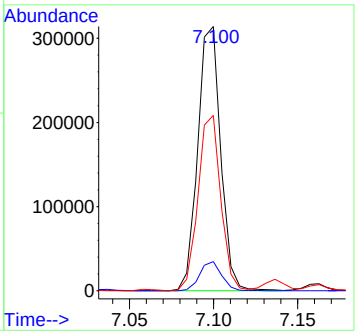


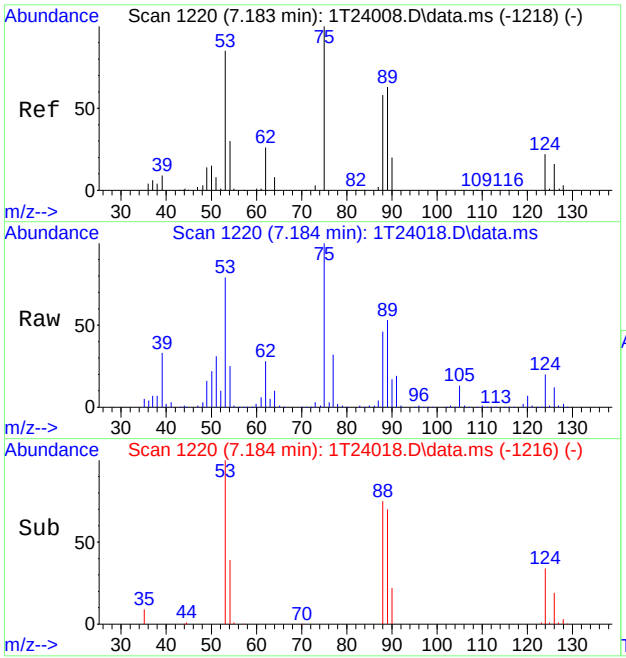


#99
1,1,2,2-tetrachloroethane
Concen: 49.00 ug/L
RT: 7.100 min Scan# 1204
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion: 83 Resp: 298474

Ion	Ratio	Lower	Upper
83	100		
131	11.1	0.0	40.9
85	66.1	34.4	94.4

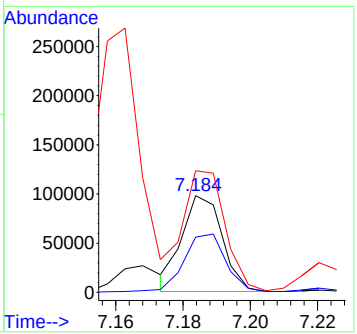


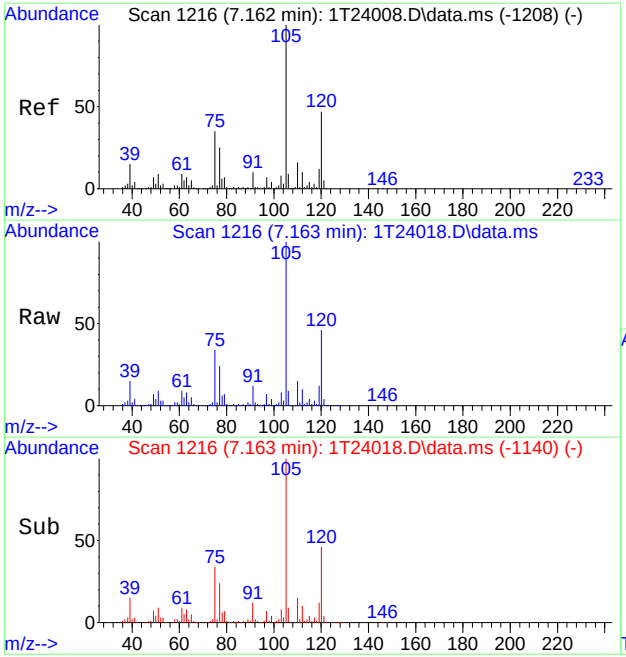


#100
trans-1,4-dichloro-2-butene
Concen: 52.05 ug/L
RT: 7.184 min Scan# 1220
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion: 53 Resp: 81393

Ion	Ratio	Lower	Upper
53	100		
88	56.9	29.6	89.6
75	122.6	97.1	157.1

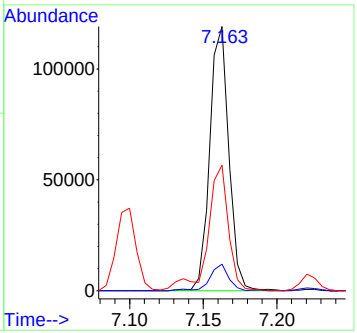


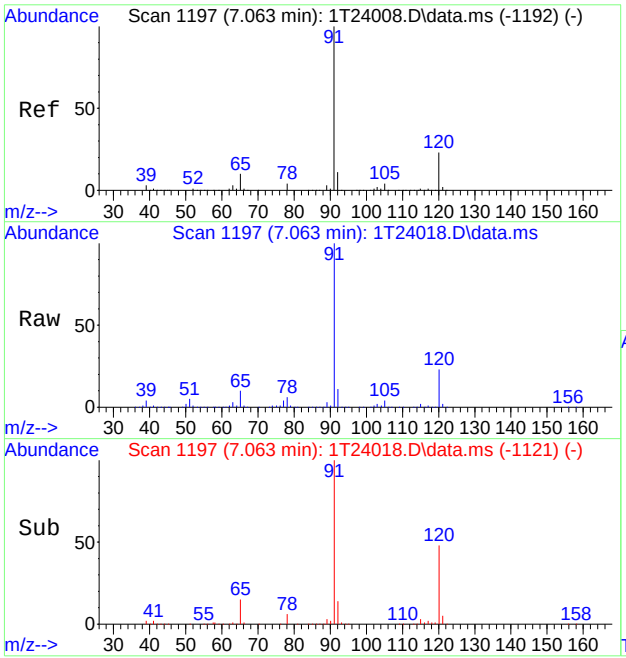


#101
1,2,3-trichloropropane
Concen: 49.42 ug/L
RT: 7.163 min Scan# 1216
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion:110 Resp: 107040

Ion	Ratio	Lower	Upper
110	100		
111	10.1	0.0	39.0
97	47.5	15.1	75.1

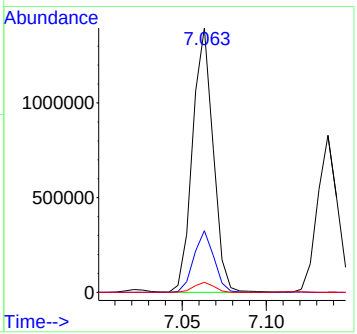


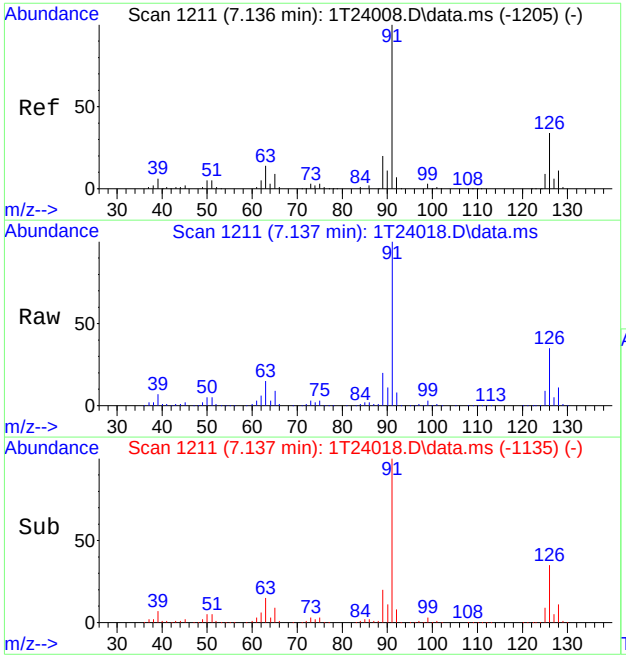


#102
n-propylbenzene
Concen: 54.29 ug/L
RT: 7.063 min Scan# 1197
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion: 91 Resp: 1186883

Ion	Ratio	Lower	Upper
91	100		
120	23.3	0.0	53.1
105	3.8	0.0	33.9

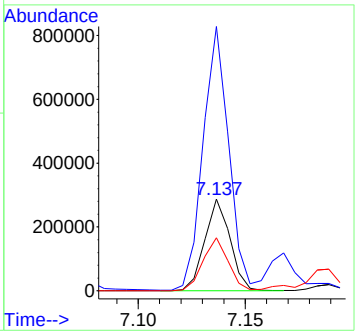


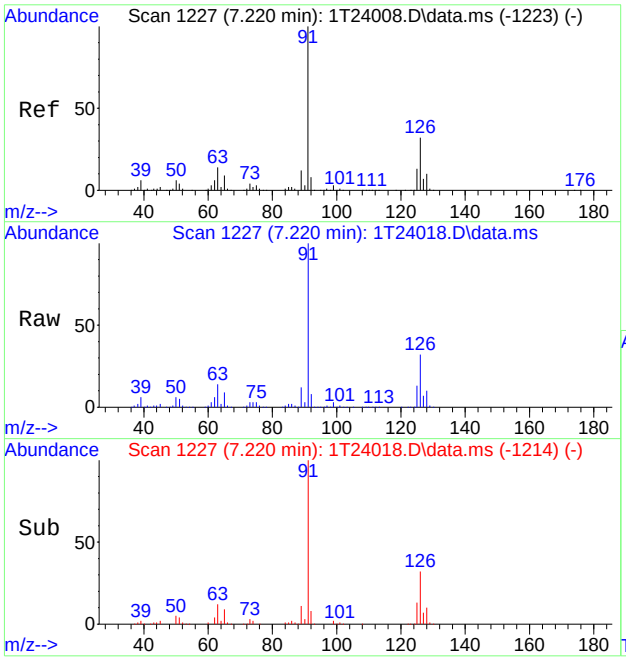


#103
2-chlorotoluene
Concen: 53.47 ug/L
RT: 7.137 min Scan# 1211
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion:126 Resp: 238062

Ion	Ratio	Lower	Upper
126	100		
91	288.0	263.0	323.0
89	57.9	27.6	87.6

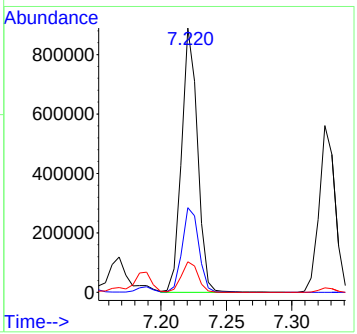


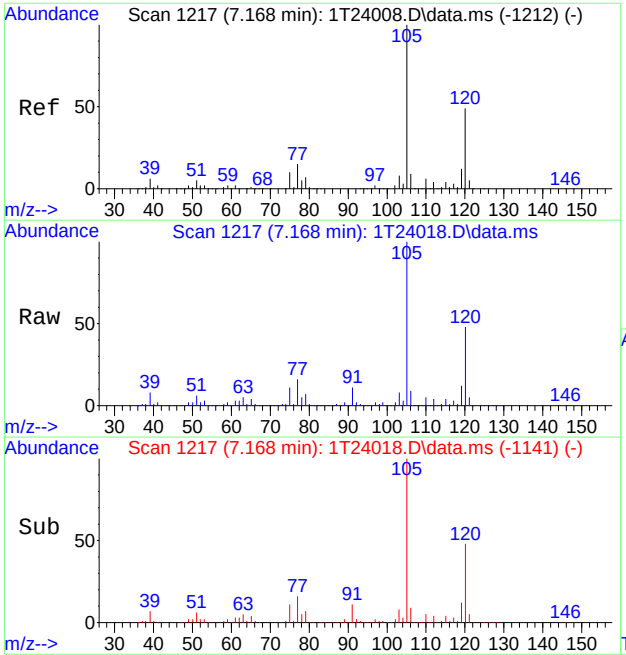


#104
4-chlorotoluene
Concen: 54.37 ug/L
RT: 7.220 min Scan# 1227
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion: 91 Resp: 753843

Ion	Ratio	Lower	Upper
91	100		
126	32.0	2.2	62.2
89	11.6	0.0	42.5

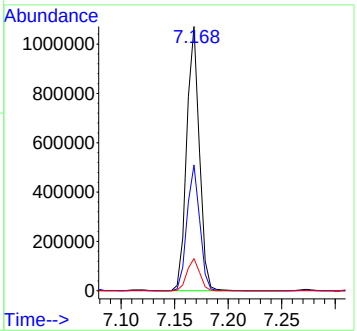


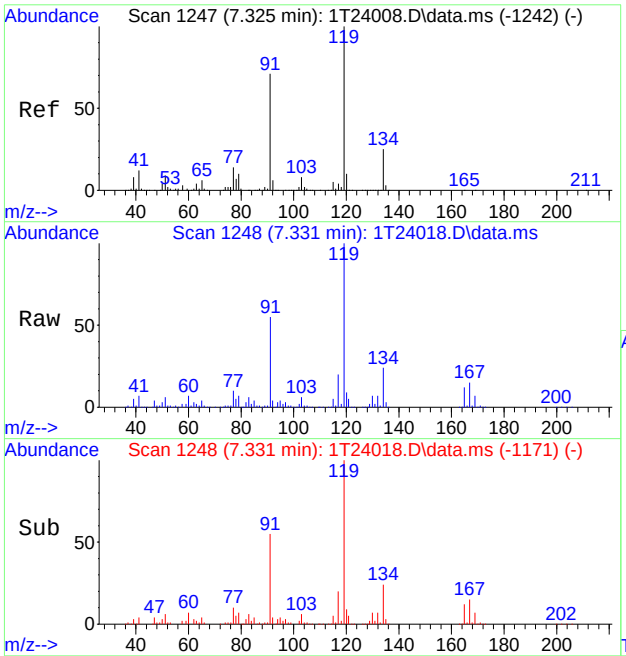


#105
1,3,5-trimethylbenzene
Concen: 58.30 ug/L
RT: 7.168 min Scan# 1217
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion:105 Resp: 883372

Ion	Ratio	Lower	Upper
105	100		
120	47.6	19.0	79.0
119	12.2	0.0	42.2

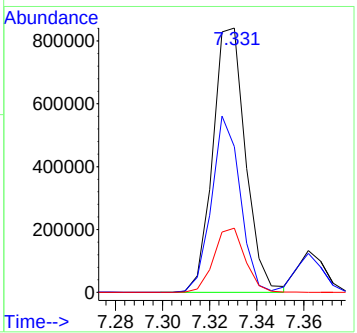


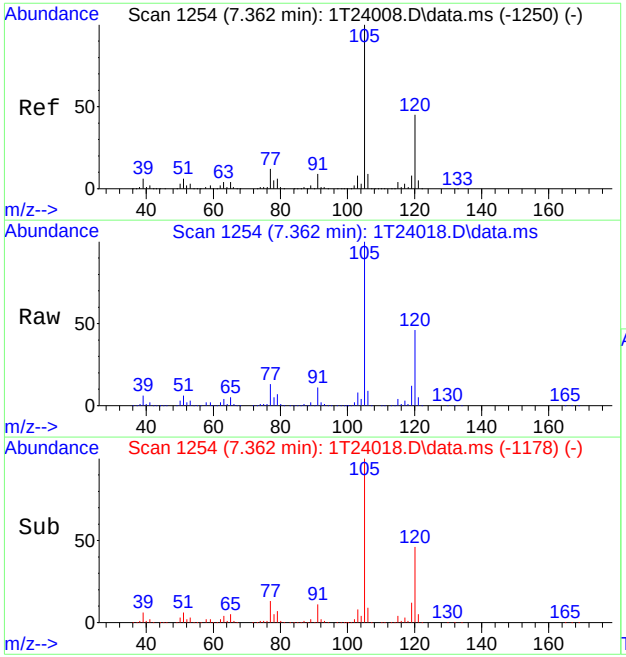


#106
tert-butylbenzene
Concen: 68.10 ug/L
RT: 7.331 min Scan# 1248
Delta R.T. 0.006 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion:119 Resp: 816351

Ion	Ratio	Lower	Upper
119	100		
91	55.1	40.9	100.9
134	24.3	0.0	54.5

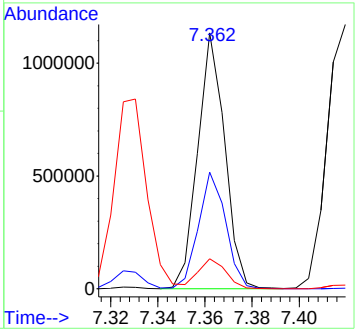


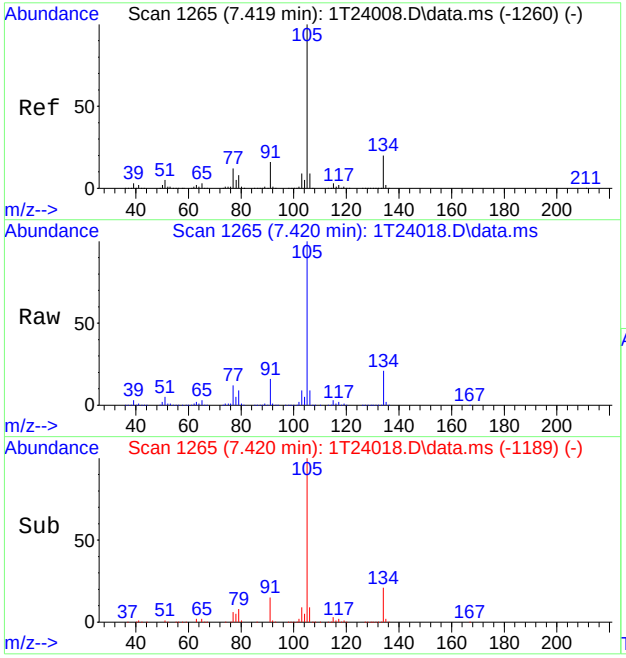


#107
1,2,4-trimethylbenzene
Concen: 59.36 ug/L
RT: 7.362 min Scan# 1254
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion:105 Resp: 908725

Ion	Ratio	Lower	Upper
105	100		
120	45.6	15.8	75.8
119	11.7	0.0	42.2

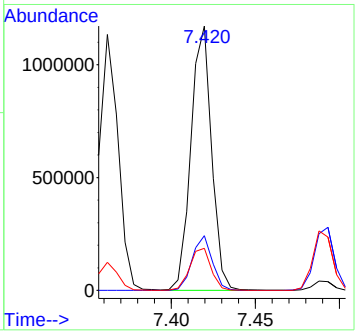


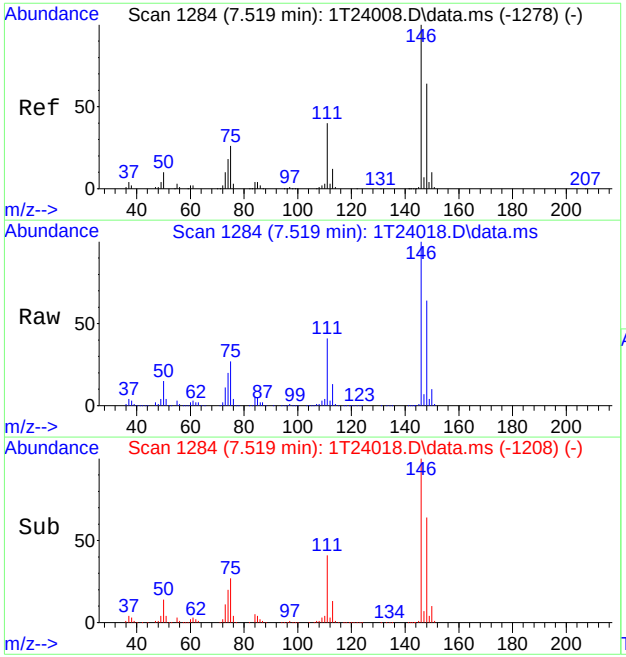


#108
sec-butylbenzene
Concen: 58.39 ug/L
RT: 7.420 min Scan# 1265
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion:105 Resp: 1001938

Ion	Ratio	Lower	Upper
105	100		
134	20.7	0.0	50.4
91	15.9	0.0	45.8

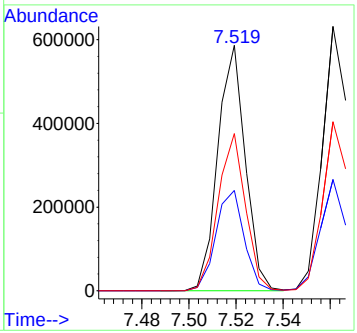


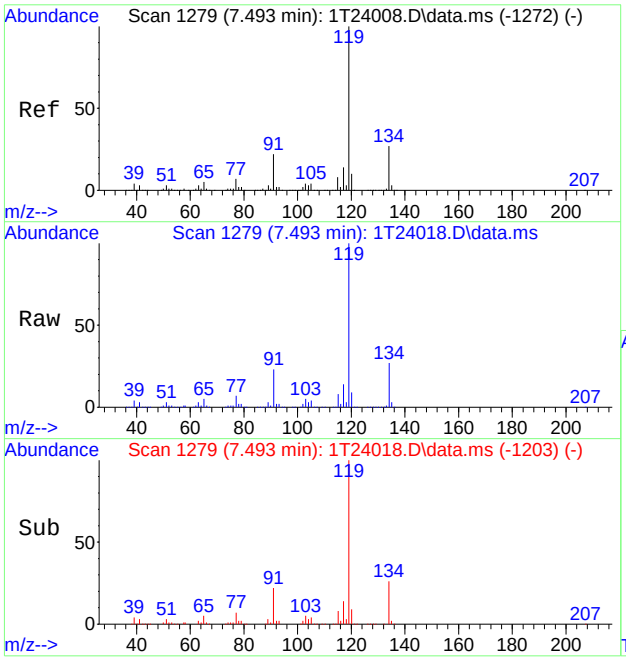


#109
1,3-dichlorobenzene
Concen: 51.83 ug/L
RT: 7.519 min Scan# 1284
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion:146 Resp: 476860

Ion	Ratio	Lower	Upper
146	100		
111	40.9	9.6	69.6
148	64.0	33.7	93.7

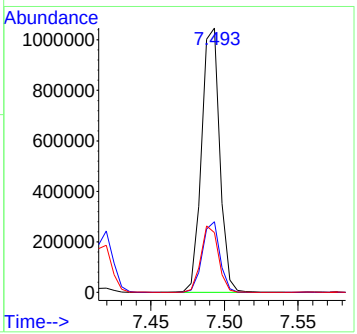


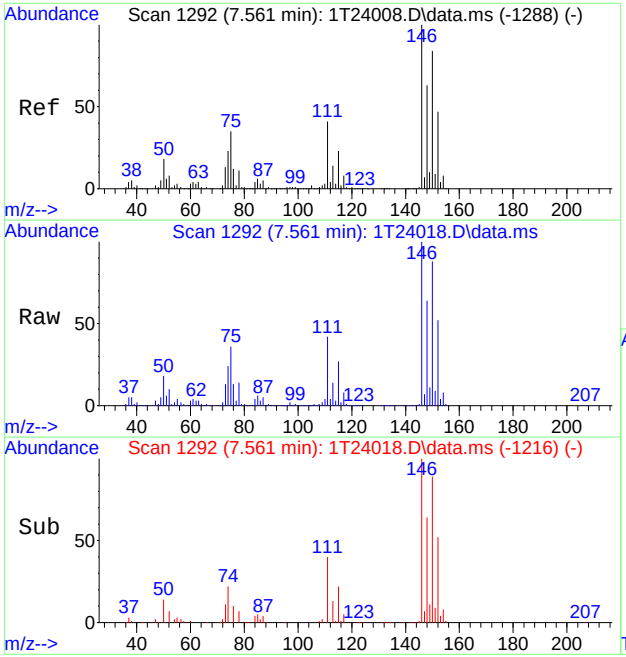


#110
p-isopropyltoluene
Concen: 60.56 ug/L
RT: 7.493 min Scan# 1279
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion:119 Resp: 895938

Ion	Ratio	Lower	Upper
119	100		
134	26.7	0.0	56.8
91	22.5	0.0	52.2

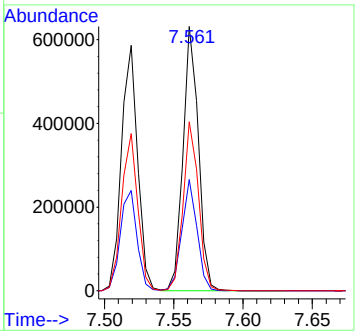


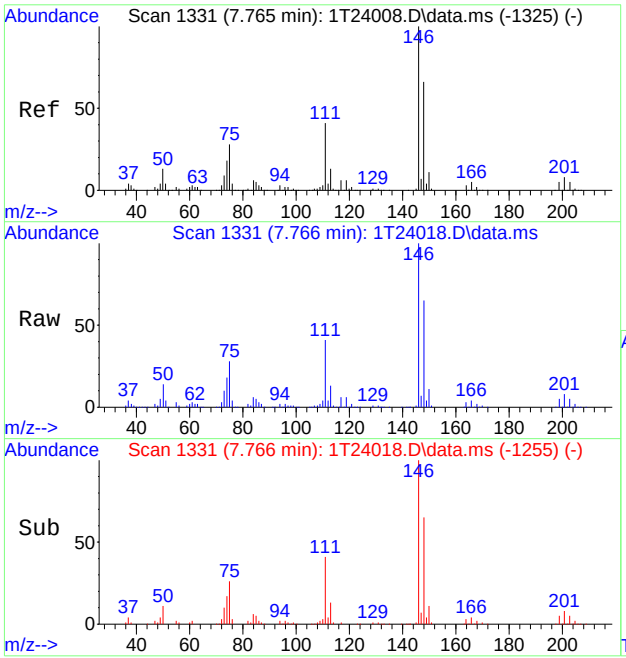


#111
1,4-dichlorobenzene
Concen: 49.92 ug/L
RT: 7.561 min Scan# 1292
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion:146 Resp: 493435

Ion	Ratio	Lower	Upper
146	100		
111	42.1	10.8	70.8
148	63.9	33.2	93.2

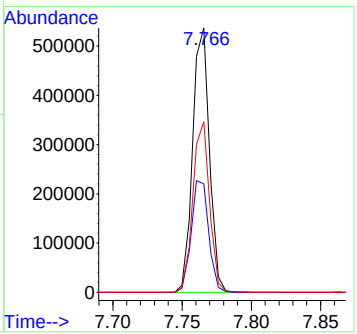


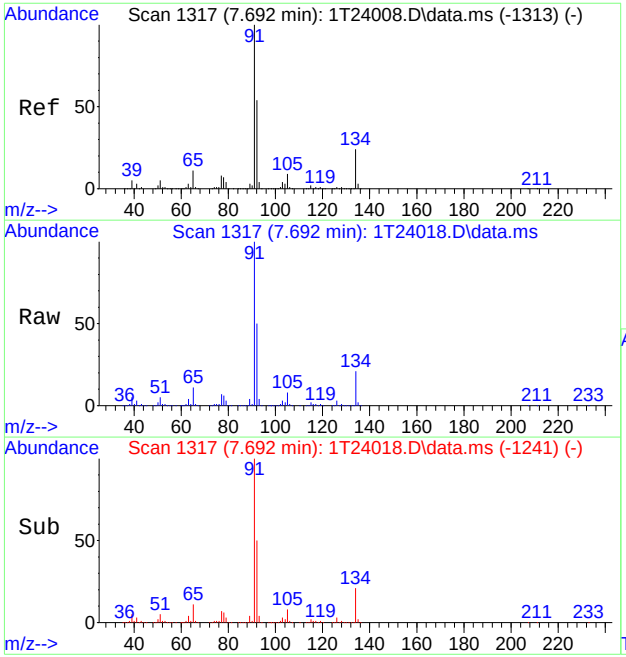


#112
1,2-dichlorobenzene
Concen: 50.54 ug/L
RT: 7.766 min Scan# 1331
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion:146 Resp: 450880

Ion	Ratio	Lower	Upper
146	100		
111	41.1	11.3	71.3
148	64.6	36.2	96.2

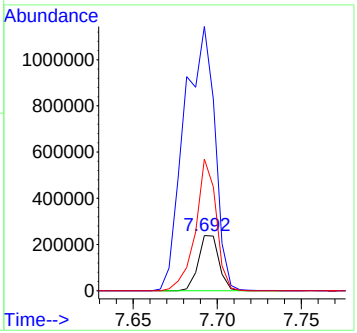


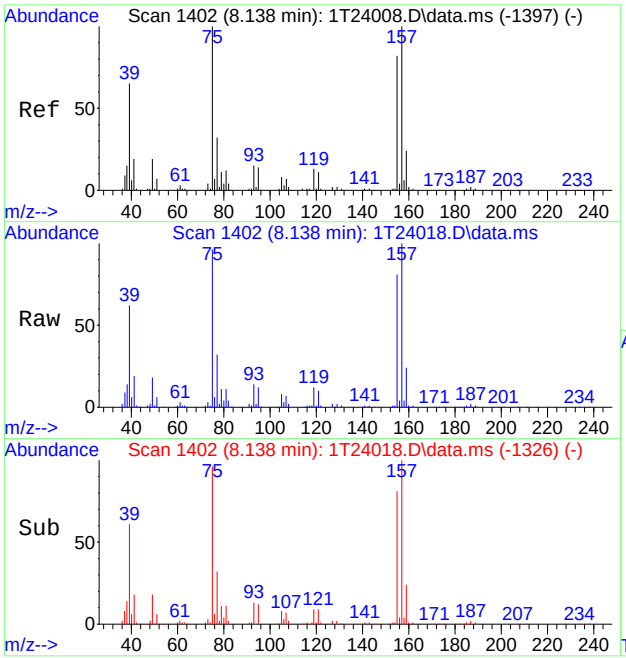


#114
n-butylbenzene
Concen: 57.00 ug/L
RT: 7.692 min Scan# 1317
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion:134 Resp: 203722

Ion	Ratio	Lower	Upper
134	100		
91	477.2	429.9	489.9
92	238.0	199.0	259.0

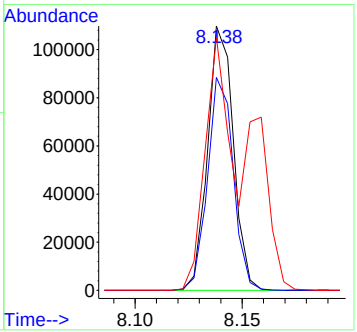


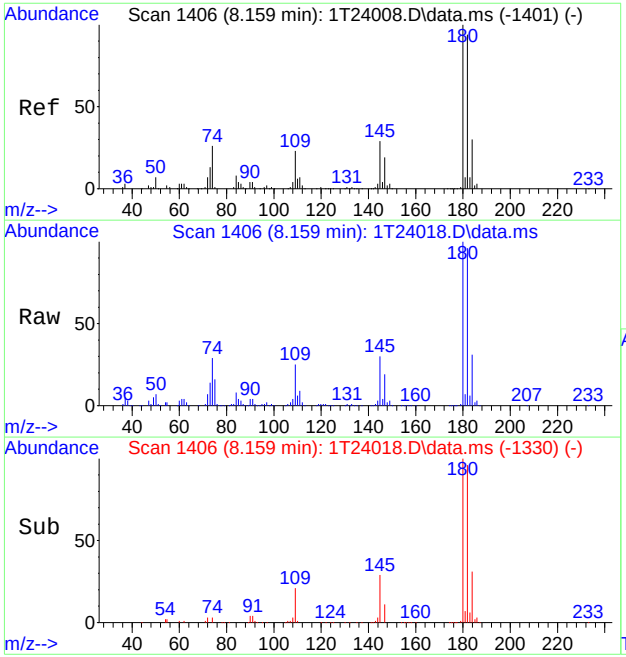


#115
1,2-dibromo-3-chloropropane
Concen: 50.89 ug/L
RT: 8.138 min Scan# 1402
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion:157 Resp: 91825

Ion	Ratio	Lower	Upper
157	100		
155	80.6	51.9	111.9
75	95.8	70.0	130.0

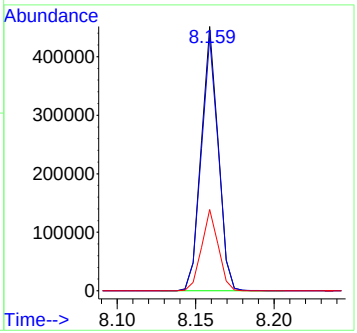


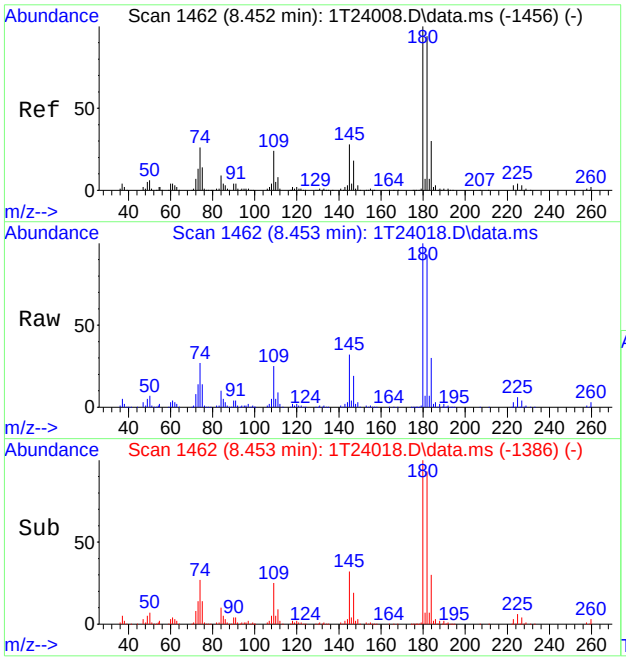


#116
1,3,5-trichlorobenzene
Concen: 58.01 ug/L
RT: 8.159 min Scan# 1406
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion:180 Resp: 339827

Ion	Ratio	Lower	Upper
180	100		
182	95.7	73.5	113.5
184	30.8	10.1	50.1

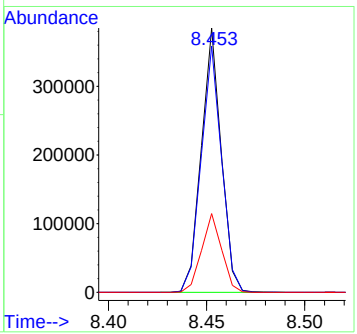


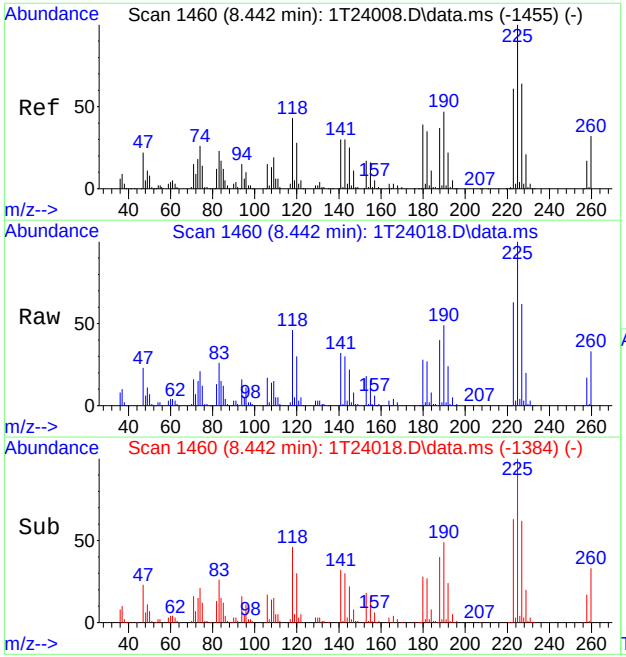


#117
1,2,4-trichlorobenzene
Concen: 53.92 ug/L
RT: 8.453 min Scan# 1462
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion:180 Resp: 272681

Ion	Ratio	Lower	Upper
180	100		
182	93.2	64.0	124.0
184	29.8	0.0	59.7

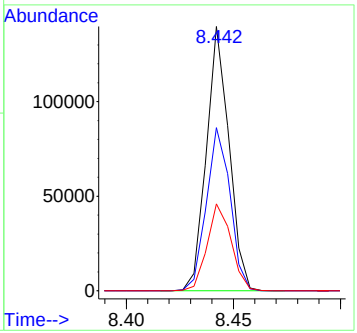


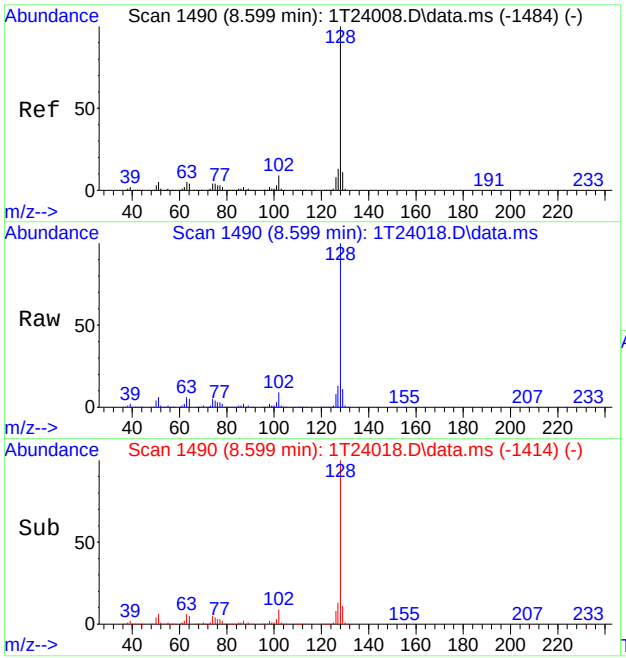


#118
hexachlorobutadiene
Concen: 48.34 ug/L
RT: 8.442 min Scan# 1460
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion:225 Resp: 102943

Ion	Ratio	Lower	Upper
225	100		
227	61.7	34.1	94.1
260	32.9	1.5	61.5

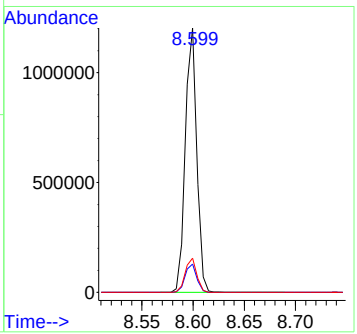


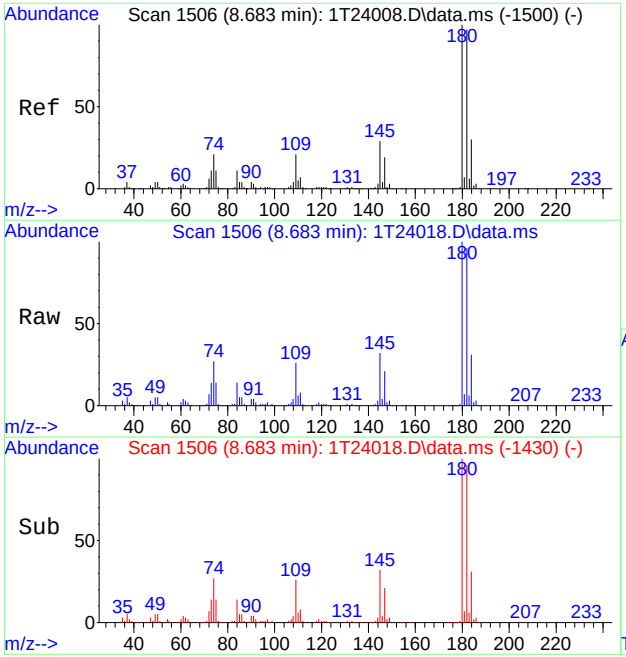


#119
naphthalene
Concen: 61.09 ug/L
RT: 8.599 min Scan# 1490
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion:128 Resp: 932534

Ion	Ratio	Lower	Upper
128	100		
129	10.7	0.0	40.7
127	13.0	0.0	43.4

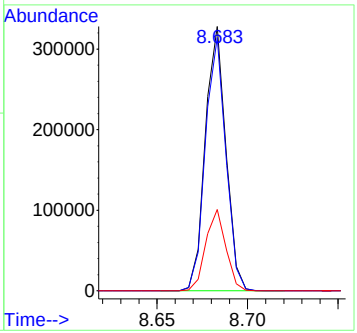


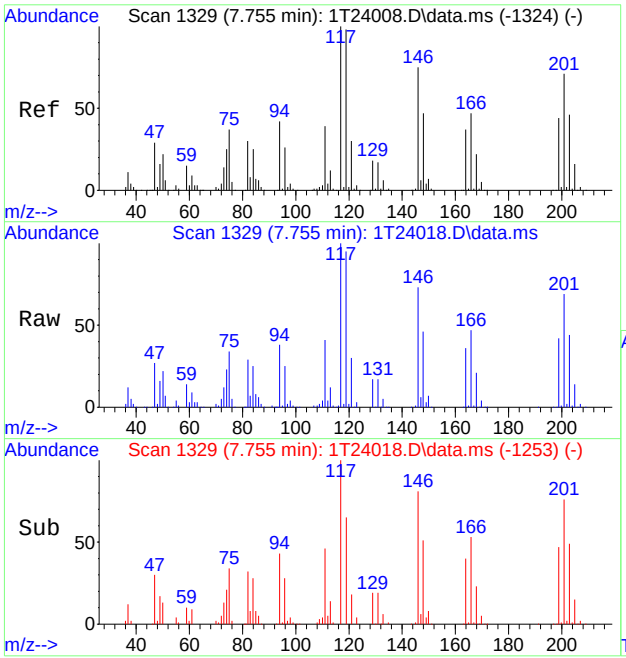


#120
1,2,3-trichlorobenzene
Concen: 53.90 ug/L
RT: 8.683 min Scan# 1506
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion:180 Resp: 258349

Ion	Ratio	Lower	Upper
180	100		
182	95.8	66.5	126.5
184	30.8	0.0	59.6

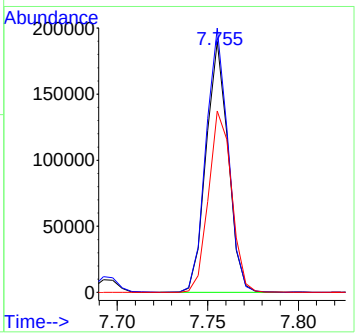


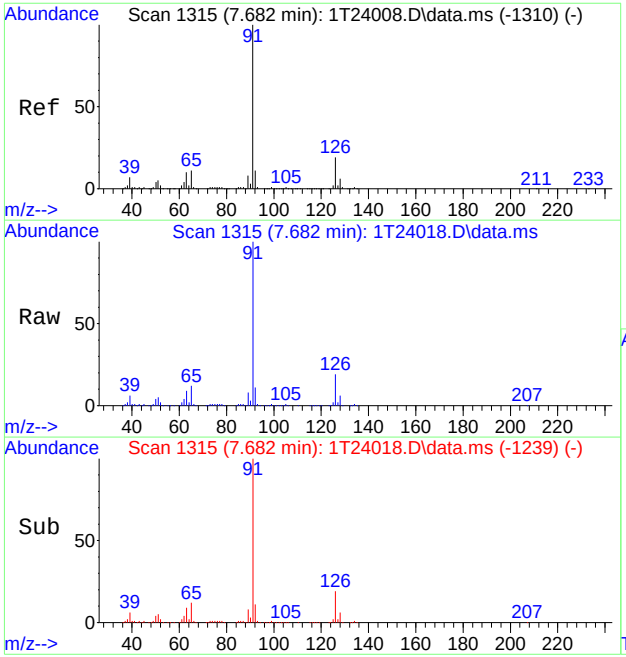


#121
hexachloroethane
Concen: 54.22 ug/L
RT: 7.755 min Scan# 1329
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion:119 Resp: 159829

Ion	Ratio	Lower	Upper
119	100		
117	105.4	71.7	131.7
201	72.2	42.0	102.0

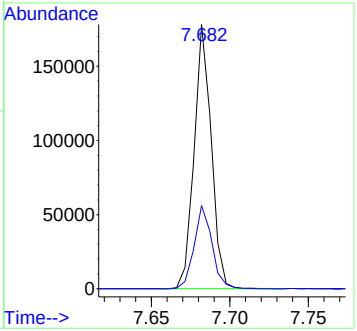


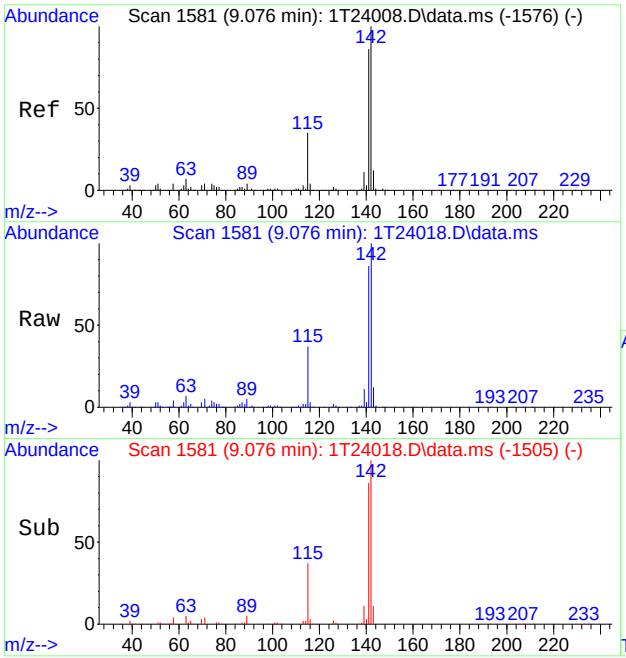


#122
benzyl chloride
Concen: 54.12 ug/L
RT: 7.682 min Scan# 1315
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion:126 Resp: 135316

Ion	Ratio	Lower	Upper
126	100		
128	31.4	1.7	61.7

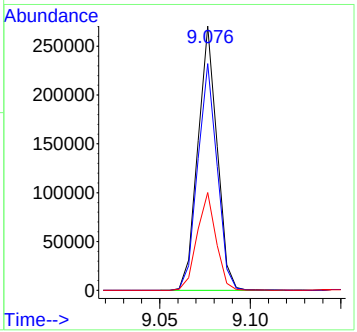




#123
2-methylnaphthalene
Concen: 25.16 ug/L
RT: 9.076 min Scan# 1581
Delta R.T. 0.000 min
Lab File: 1T24018.D
Acq: 18 Sep 2025 03:47 pm

Tgt Ion:142 Resp: 199892

Ion	Ratio	Lower	Upper
142	100		
141	85.7	55.9	115.9
115	37.1	5.4	65.4



Manual Integration Approval Summary

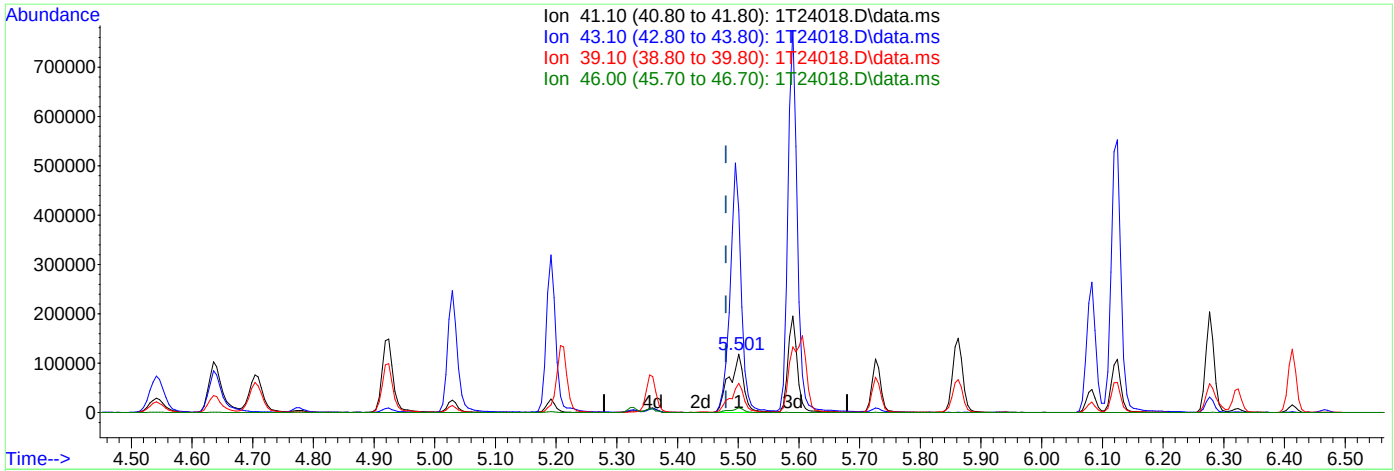
Sample Number:	V1T579-ICV579	**Method:**	SW846 8260D
Lab FileID:	1T24018.D	**Analyst approved:**	09/19/25 12:39 MoHui Huang
Injection Time:	09/18/25 15:47	**Supervisor approved:**	09/19/25 18:04 Kanya Veerawat

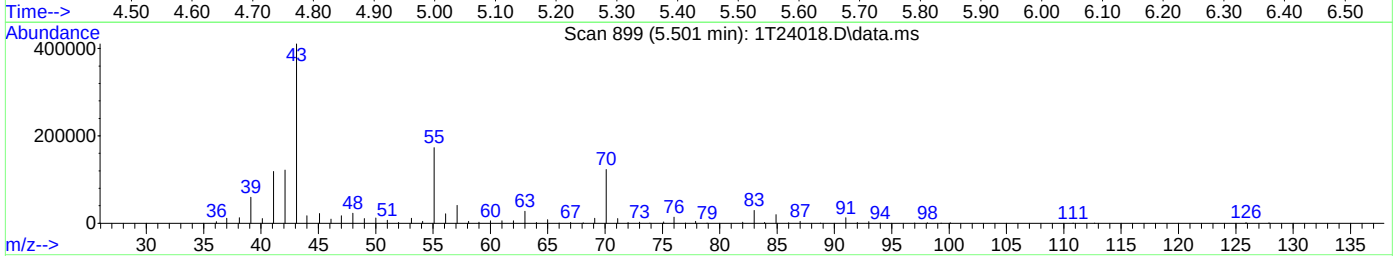
Parameter	CAS	Sig#	R.T. (min.)	Reason
2-Nitropropane	79-46-9		5.48	Overlapping peak

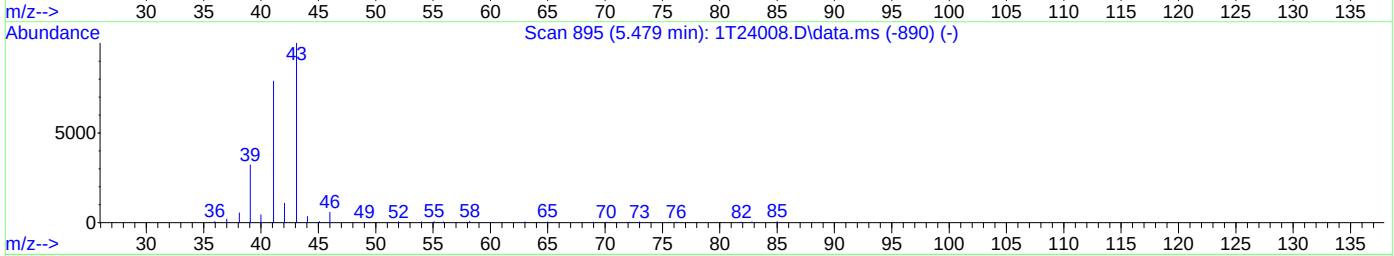
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\Initials\VT579\
Data File : 1T24018.D
Acq On : 18 Sep 2025 03:47 pm
Operator : edwardd
Sample : icv579-50
Misc : MS96870,V1T0579,5,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 19 12:02:59 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 11:55:28 2025
Response via : Initial Calibration







TIC: 1T24018.D\data.ms

(61) 2-nitropropane

5.501min (+0.021) 136.26ug/L

response 197950

Ion	Exp%	Act%
41.10	100	100
43.10	126.20	346.72#
39.10	41.90	49.39
46.00	7.20	8.14

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VT579\
Data File : 1T24020.D
Acq On : 18 Sep 2025 04:14 pm
Operator : edwardd
Sample : icv579-50
Misc : MS96870,V1T0579,5,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 19 12:09:58 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 11:55:28 2025
Response via : Initial Calibration

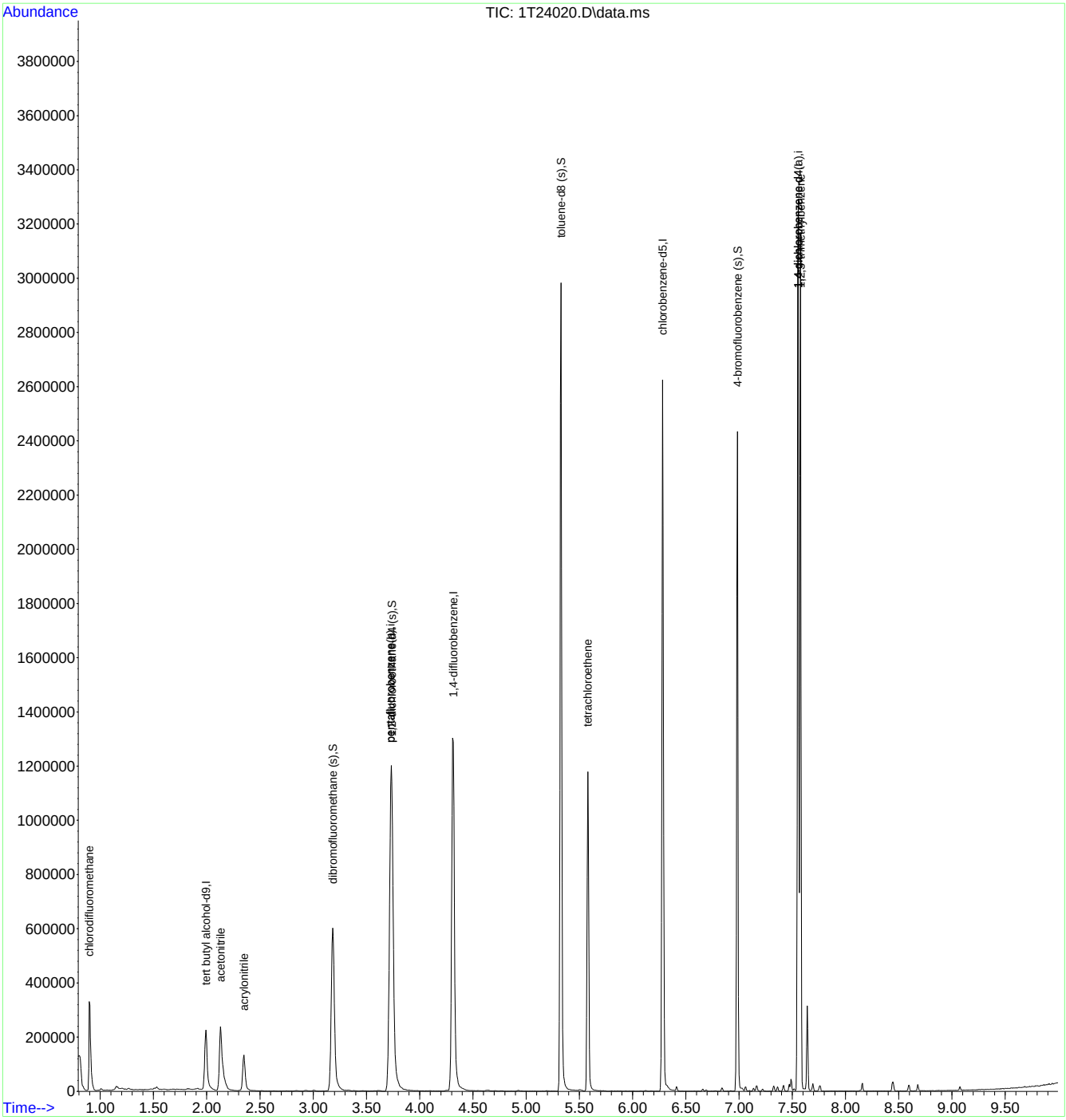
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	1.993	65	218722	500.00	ug/L	0.00
5) pentafluorobenzene	3.728	168	645953	50.00	ug/L	0.00
50) 1,4-difluorobenzene	4.316	114	1032121	50.00	ug/L	0.00
72) chlorobenzene-d5	6.282	117	877911	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	7.556	152	441358	50.00	ug/L	0.00
124) pentafluorobenzene(a)	3.728	168	645953	50.00	ug/L	0.00
132) 1,4-dichlorobenzene-d4(a)	7.556	152	441358	50.00	ug/L	0.00
System Monitoring Compounds						
42) dibromofluoromethane (s)	3.183	113	380679	49.82	ug/L	0.00
Spiked Amount 50.000	Range 75 - 127		Recovery = 99.64%			
51) 1,2-dichloroethane-d4 (s)	3.739	65	377143	48.89	ug/L	0.00
Spiked Amount 50.000	Range 75 - 130		Recovery = 97.78%			
73) toluene-d8 (s)	5.327	98	1207797	50.75	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.50%			
97) 4-bromofluorobenzene (s)	6.984	95	416801	51.06	ug/L	0.00
Spiked Amount 50.000	Range 79 - 127		Recovery = 102.12%			
Target Compounds						Qvalue
6) chlorodifluoromethane	0.897	51	246059	48.8545	ug/L	97
19) acetonitrile	2.129	41	274342	495.5795	ug/L	100
32) acrylonitrile	2.349	52	75296	52.5400	ug/L	91
78) tetrachloroethene	5.579	166	205736	52.9894	ug/L	98
113) 1,2,3-trimethylbenzene	7.577	105	887555	59.0378	ug/L	99

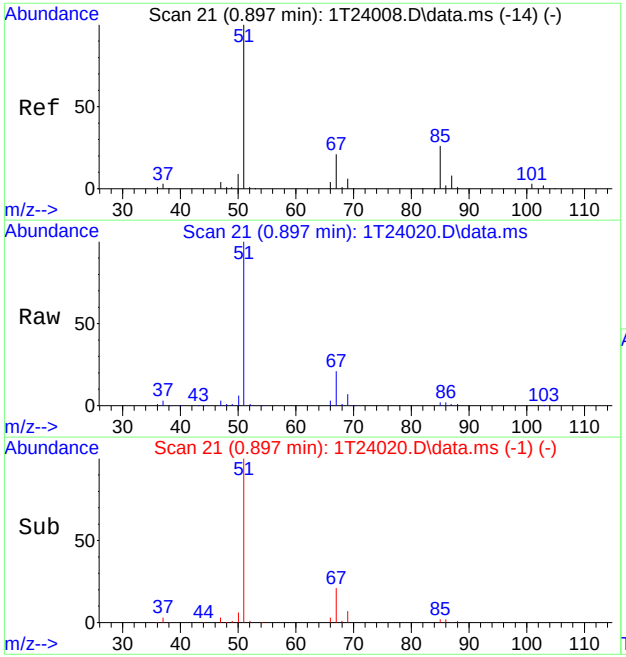
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VT579\
Data File : 1T24020.D
Acq On : 18 Sep 2025 04:14 pm
Operator : edwardd
Sample : icv579-50
Misc : MS96870,V1T0579,5,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 19 12:09:58 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 11:55:28 2025
Response via : Initial Calibration

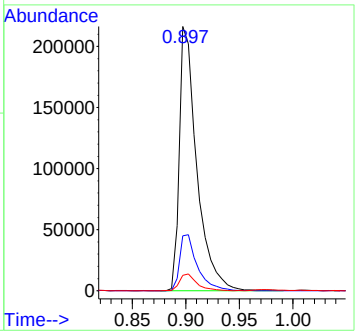


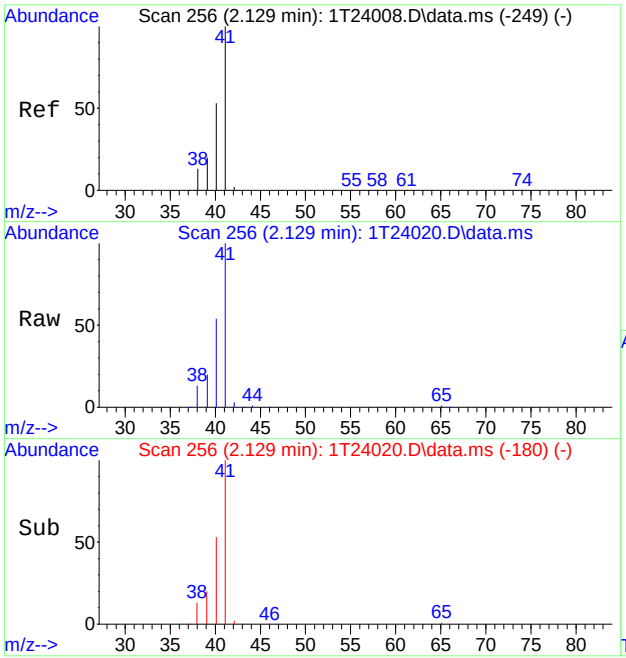


#6
chlorodifluoromethane
Concen: 48.85 ug/L
RT: 0.897 min Scan# 21
Delta R.T. 0.000 min
Lab File: 1T24020.D
Acq: 18 Sep 2025 04:14 pm

Tgt Ion: 51 Resp: 246059

Ion	Ratio	Lower	Upper
51	100		
67	20.8	0.0	51.0
50	5.8	0.0	38.8

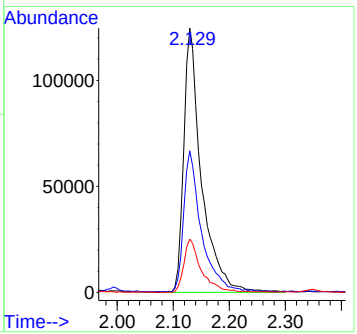


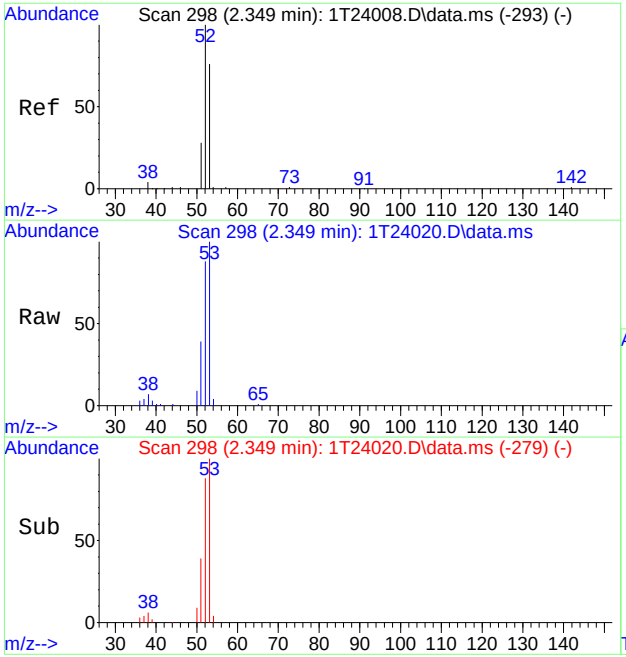


#19
acetonitrile
Concen: 495.58 ug/L
RT: 2.129 min Scan# 256
Delta R.T. 0.000 min
Lab File: 1T24020.D
Acq: 18 Sep 2025 04:14 pm

Tgt Ion: 41 Resp: 274342

Ion	Ratio	Lower	Upper
41	100		
40	53.2	23.2	83.2
39	20.2	0.0	49.8

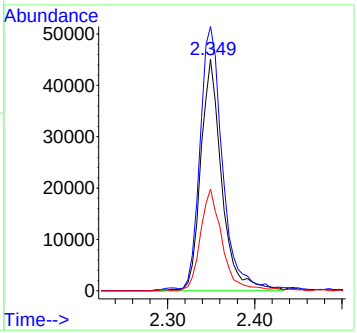


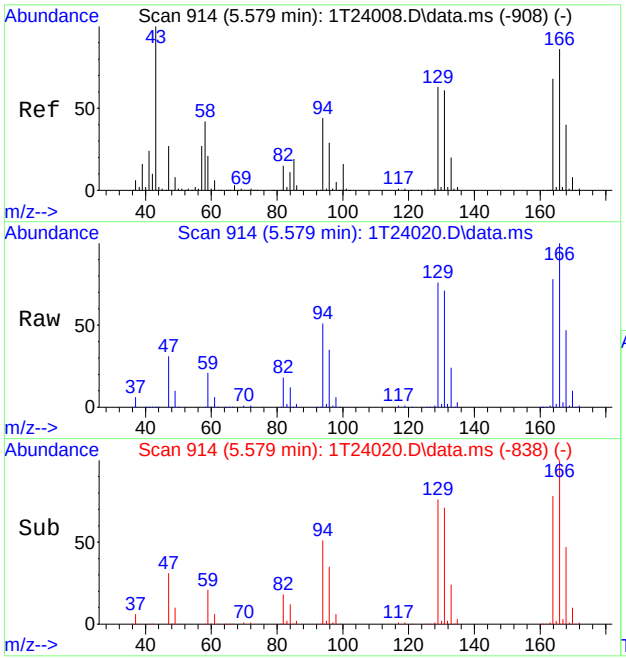


#32
acrylonitrile
Concen: 52.54 ug/L
RT: 2.349 min Scan# 298
Delta R.T. 0.000 min
Lab File: 1T24020.D
Acq: 18 Sep 2025 04:14 pm

Tgt Ion: 52 Resp: 75296

Ion	Ratio	Lower	Upper
52	100		
53	113.6	96.8	156.8
51	43.6	14.4	74.4

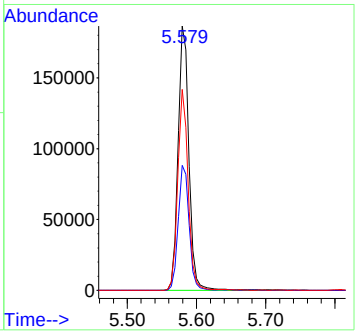


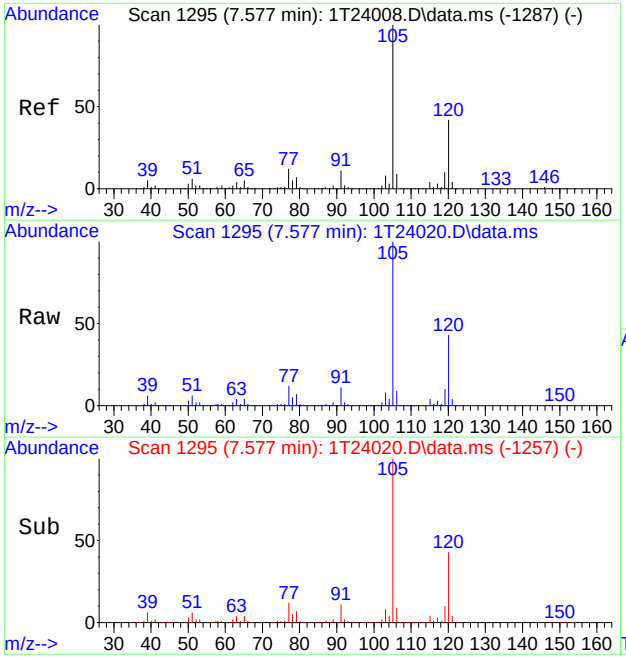


#78
tetrachloroethene
Concen: 52.99 ug/L
RT: 5.579 min Scan# 914
Delta R.T. 0.000 min
Lab File: 1T24020.D
Acq: 18 Sep 2025 04:14 pm

Tgt Ion:166 Resp: 205736

Ion	Ratio	Lower	Upper
166	100		
168	47.3	16.8	76.8
129	76.0	43.9	103.9

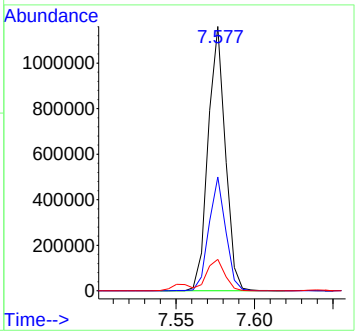




#113
1,2,3-trimethylbenzene
Concen: 59.04 ug/L
RT: 7.577 min Scan# 1295
Delta R.T. 0.000 min
Lab File: 1T24020.D
Acq: 18 Sep 2025 04:14 pm

Tgt Ion:105 Resp: 887555

Ion	Ratio	Lower	Upper
105	100		
120	43.1	12.2	72.2
77	11.9	0.0	41.7



Manual Integrations APPROVED (compounds with "m" flag)
MoHui Huang 10/20/25 17:23

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\braianc\2025\10. October\20102025\V1T610\
Data File : 1T25478.D
Acq On : 20 Oct 2025 10:13 am
Operator : edwardd
Sample : cc579-20 Inst : GCMST
Misc : MS98241,V1T0610,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 20 19:26:12 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 11:55:28 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	1.988	65	239605	500.00	ug/L	0.00
5) pentafluorobenzene	3.729	168	458227	50.00	ug/L	0.00
50) 1,4-difluorobenzene	4.311	114	770037	50.00	ug/L	0.00
72) chlorobenzene-d5	6.287	117	640120	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	7.556	152	316683	50.00	ug/L	0.00
124) pentafluorobenzene(a)	3.729	168	458227	50.00	ug/L	0.00
132) 1,4-dichlorobenzene-d4(a)	7.556	152	316683	50.00	ug/L	0.00
System Monitoring Compounds						
42) dibromofluoromethane (s)	3.183	113	274441	50.63	ug/L	0.00
Spiked Amount 50.000	Range 75 - 127		Recovery = 101.26%			
51) 1,2-dichloroethane-d4 (s)	3.739	65	296345	51.50	ug/L	0.00
Spiked Amount 50.000	Range 75 - 130		Recovery = 103.00%			
73) toluene-d8 (s)	5.328	98	891330	51.37	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 102.74%			
97) 4-bromofluorobenzene (s)	6.984	95	312774	53.40	ug/L	0.00
Spiked Amount 50.000	Range 79 - 127		Recovery = 106.80%			
Target Compounds						Qvalue
2) ethanol	1.474	45	79672	2084.6761	ug/L	86
3) tertiary butyl alcohol	2.035	59	39706	96.7946	ug/L	92
4) 1,4-dioxane	4.924	88	14871	517.3899	ug/L	86
6) chlorodifluoromethane	0.897	51	88852	24.8687	ug/L	97
7) dichlorodifluoromethane	0.882	85	105722	24.6724	ug/L	99
8) chloromethane	0.971	50	76657	30.2631	ug/L	97
9) vinyl chloride	1.002	62	81552	23.6522	ug/L	98
10) 1,3-butadiene	1.007	39	54774	23.0934	ug/L	94
11) bromomethane	1.144	96	42756	21.0488	ug/L #	95
12) chloroethane	1.201	64	41845	13.4264	ug/L	95
13) trichlorofluoromethane	1.264	101	132491	17.1941	ug/L	100
14) ethyl ether	1.406	74	35023	19.2916	ug/L	95
15) acrolein	1.678	56	12507	18.2527	ug/L	94
16) freon 113	1.526	151	47332	19.2350	ug/L	94
17) 1,1-dichloroethene	1.505	61	102159	20.4629	ug/L	91
18) acetone	1.841	58	30600	71.2496	ug/L	95
19) acetonitrile	2.129	41	99806	254.1546	ug/L	98
20) iodomethane	1.589	142	17362	13.0866	ug/L	96
21) carbon disulfide	1.532	76	184614	19.5045	ug/L	99
22) methylene chloride	1.820	84	66334	18.3533	ug/L	91
23) methyl acetate	1.914	74	11723	17.1502	ug/L #	60
24) methyl tert butyl ether	1.983	73	149361	21.0804	ug/L	96
25) trans-1,2-dichloroethene	1.909	96	65118	19.1783	ug/L	90
26) hexane	1.967	57	107893	24.6386	ug/L	97
27) di-isopropyl ether	2.239	45	123099	21.6730	ug/L	96
28) ethyl tert-butyl ether	2.517	59	138289	20.5549	ug/L	97
29) 2-butanone	3.314	72	33027	71.3847	ug/L	98
30) 1,1-dichloroethane	2.313	63	113271	22.2003	ug/L	98
31) chloroprene	2.302	53	78671	19.7327	ug/L	98
32) acrylonitrile	2.344	52	22474	22.1064	ug/L	98
33) vinyl acetate	2.512	86	10710	16.0696	ug/L	93
34) ethyl acetate	3.147	70	8134	19.3515	ug/L	97
35) 2,2-dichloropropane	2.842	77	99596	23.8002	ug/L	99
36) cis-1,2-dichloroethene	2.743	96	60666	20.2880	ug/L	94
37) propionitrile	3.608	54	122214	227.0670	ug/L	94
38) methyl acrylate	3.141	85	10216	18.1924	ug/L #	73
39) bromochloromethate	2.926	128	31064	20.4605	ug/L	95
40) tetrahydrofuran	3.152	71	8757	17.9111	ug/L	92

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\braianc\2025\10. October\20102025\V1T610\
Data File : 1T25478.D
Acq On : 20 Oct 2025 10:13 am
Operator : edwardd
Sample : cc579-20 Inst : GCMST
Misc : MS98241,V1T0610,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 20 19:26:12 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 11:55:28 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) chloroform	3.005	47	26716	19.0630	ug/L		96
43) methacrylonitrile	3.639	67	24107	18.1827	ug/L		97
44) 1,1,1-trichloroethane	3.199	97	104936	22.2742	ug/L		95
45) cyclohexane	2.932	84	75872	18.8084	ug/L		87
46) 1,1-dichloropropene	3.330	75	73486	19.9278	ug/L		97
47) carbon tetrachloride	3.136	117	92110	22.0663	ug/L		98
48) isobutyl alcohol	3.938	43	22837	202.8702	ug/L		91
49) tert-amyl alcohol	4.048	55	16330	107.1000	ug/L		92
52) iso-octane	3.472	57	138627	23.8512	ug/L		91
53) benzene	3.592	78	214296	21.2679	ug/L		98
54) tert-amyl methyl ether	3.770	73	130499	19.5469	ug/L		97
55) heptane	3.613	57	27394	24.2157	ug/L		95
56) isopropyl acetate	4.195	87	12212	16.9600	ug/L		95
57) 1,2-dichloroethane	3.818	62	88002	20.0780	ug/L		96
58) n-butyl alcohol	4.641	56	86623	1111.6177	ug/L		96
59) ethyl acrylate	4.777	55	66189	20.8687	ug/L		97
60) trichloroethene	4.269	130	54676	19.8761	ug/L		92
61) 2-nitropropane	5.485	41	15356m	15.7132	ug/L		
62) 2-chloroethyl vinyl ether	5.191	63	148669	87.8446	ug/L		97
63) methyl methacrylate	4.924	100	14185	17.6430	ug/L		90
64) 1,2-dichloropropane	4.704	63	54882	21.3294	ug/L		92
65) methylcyclohexane	4.253	98	38809	20.1592	ug/L	#	89
66) dibromomethane	4.620	93	40227	18.5150	ug/L		95
67) bromodichloromethane	4.772	83	80903	19.7041	ug/L		100
68) epichlorohydrin	5.364	57	39837	105.5361	ug/L		98
69) cis-1,3-dichloropropene	5.212	75	87487	20.1441	ug/L		96
70) 4-methyl-2-pentanone	5.590	58	94278	83.2404	ug/L		94
71) 3-methyl-1-butanol	5.506	70	35573	386.6140	ug/L		94
74) toluene	5.359	92	134976	19.9100	ug/L		98
75) ethyl methacrylate	5.731	69	55181	19.0471	ug/L		98
76) trans-1,3-dichloropropene	5.606	75	83649	20.9452	ug/L		98
77) 1,1,2-trichloroethane	5.700	83	41603	20.4715	ug/L		93
78) tetrachloroethene	5.585	166	56771	20.0537	ug/L		98
79) 2-hexanone	6.125	58	97922	91.9470	ug/L		95
80) 1,3-dichloropropane	5.862	76	85298	20.6055	ug/L		97
81) butyl acetate	6.083	56	29654	20.6318	ug/L		95
82) dibromochloromethane	5.805	129	57673	18.7229	ug/L		96
83) 1,2-dibromoethane	5.941	107	53364	19.9432	ug/L		98
84) n-butyl ether	6.282	57	200483	22.4308	ug/L		96
85) chlorobenzene	6.298	112	153314	19.5293	ug/L		96
86) 1,1,1,2-tetrachloroethane	6.340	131	50762	18.6400	ug/L		96
87) ethylbenzene	6.324	91	251888	20.0290	ug/L		99
88) m,p-xylene	6.418	106	197102	40.6642	ug/L		98
89) o-xylene	6.665	106	84616	18.8470	ug/L		99
90) styrene	6.691	104	146594	20.2529	ug/L		94
91) bromoform	6.696	173	39636	16.8988	ug/L		99
92) butyl acrylate	6.780	55	91446	21.5367	ug/L		95
93) n-amyl acetate	6.922	70	35715	19.7519	ug/L		91
94) isopropylbenzene	6.843	105	232052	20.3369	ug/L		99
95) cis-1,4-dichloro-2-butene	7.026	88	23257	16.7731	ug/L		95
98) bromobenzene	7.037	156	59318	19.1109	ug/L		84
99) 1,1,2,2-tetrachloroethane	7.100	83	75112	19.6328	ug/L		99
100) trans-1,4-dichloro-2-b...	7.189	53	17749	18.0685	ug/L		93
101) 1,2,3-trichloropropane	7.163	110	25344	18.6287	ug/L		96
102) n-propylbenzene	7.063	91	293822	21.3950	ug/L		96
103) 2-chlorotoluene	7.142	126	53770	19.2279	ug/L		93
104) 4-chlorotoluene	7.226	91	185648	21.3182	ug/L		99
105) 1,3,5-trimethylbenzene	7.168	105	208664	21.9234	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\braianc\2025\10. October\20102025\V1T610\
Data File : 1T25478.D
Acq On : 20 Oct 2025 10:13 am
Operator : edwardd
Sample : cc579-20 Inst : GCMST
Misc : MS98241,V1T0610,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 20 19:26:12 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 11:55:28 2025
Response via : Initial Calibration

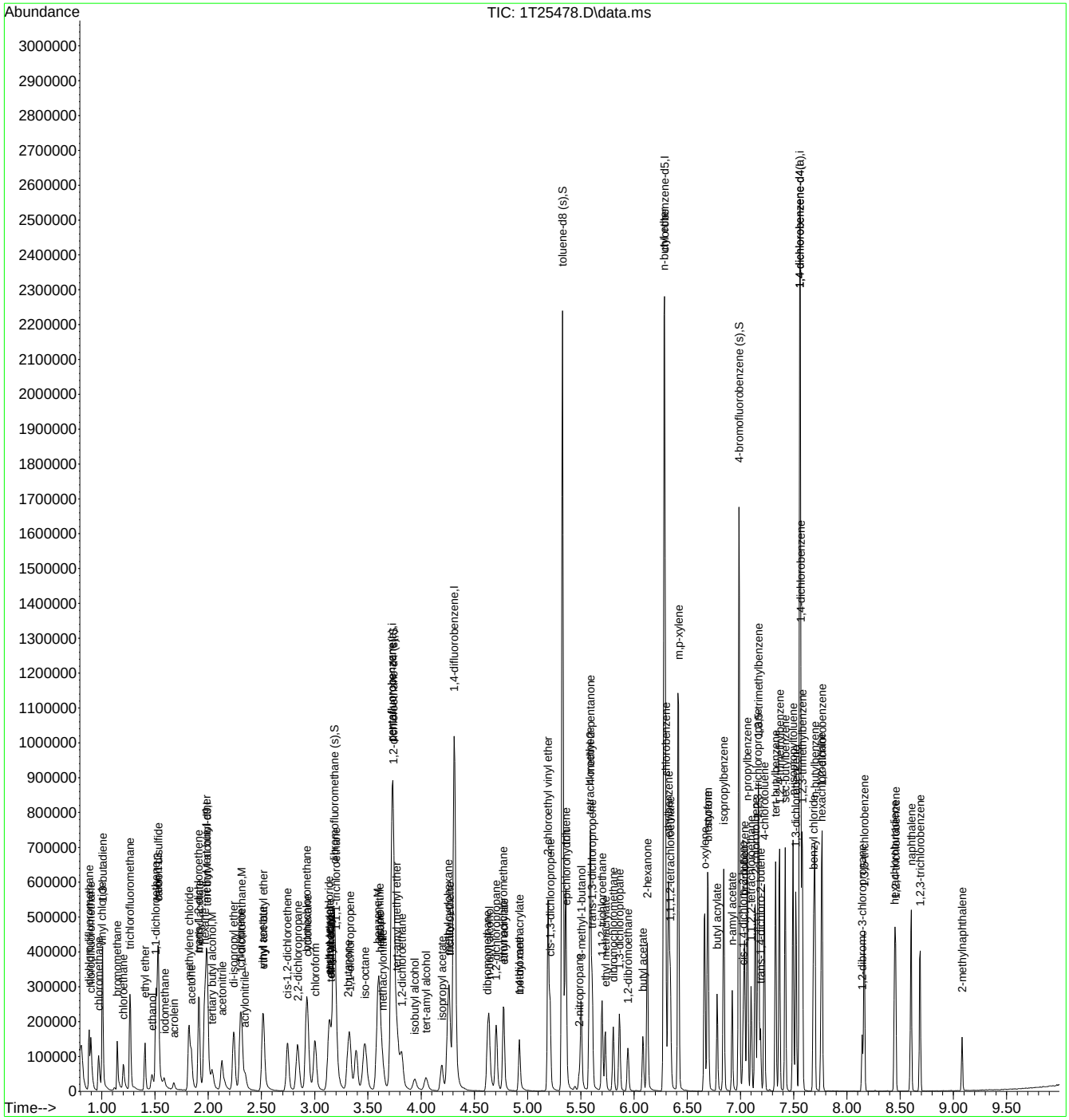
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
106) tert-butylbenzene	7.331	119	159343	21.1618	ug/L		97
107) 1,2,4-trimethylbenzene	7.367	105	211198	21.9646	ug/L		98
108) sec-butylbenzene	7.420	105	238584	22.1348	ug/L		96
109) 1,3-dichlorobenzene	7.519	146	114678	19.8436	ug/L		97
110) p-isopropyltoluene	7.493	119	201805	21.7166	ug/L		95
111) 1,4-dichlorobenzene	7.566	146	121985	19.6491	ug/L		99
112) 1,2-dichlorobenzene	7.766	146	110284	19.6814	ug/L		94
113) 1,2,3-trimethylbenzene	7.582	105	222377	20.6154	ug/L		100
114) n-butylbenzene	7.698	134	46419	20.6777	ug/L	#	85
115) 1,2-dibromo-3-chloropr...	8.143	157	20224	17.8433	ug/L		92
116) 1,3,5-trichlorobenzene	8.164	180	71032	19.3028	ug/L		99
117) 1,2,4-trichlorobenzene	8.458	180	60668	19.1003	ug/L		99
118) hexachlorobutadiene	8.447	225	27134	20.2869	ug/L		98
119) naphthalene	8.605	128	193128	20.1413	ug/L		99
120) 1,2,3-trichlorobenzene	8.688	180	60945	20.2432	ug/L		97
121) hexachloroethane	7.760	119	35990	19.4387	ug/L		94
122) benzyl chloride	7.687	126	31222	19.8810	ug/L		98
123) 2-methylnaphthalene	9.082	142	34285	7.8508	ug/L		98

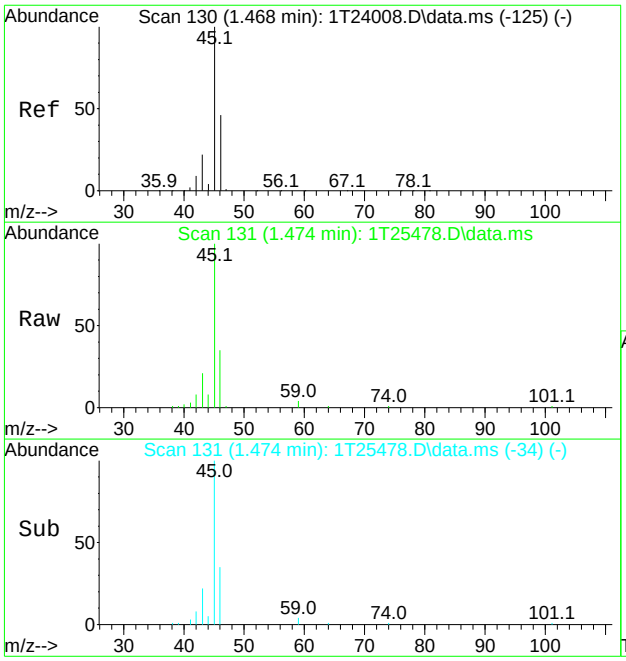
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\braianc\2025\10. October\20102025\V1T610\
Data File : 1T25478.D
Acq On : 20 Oct 2025 10:13 am
Operator : edwardd
Sample : cc579-20 Inst : GCMST
Misc : MS98241,V1T0610,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 20 19:26:12 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 11:55:28 2025
Response via : Initial Calibration

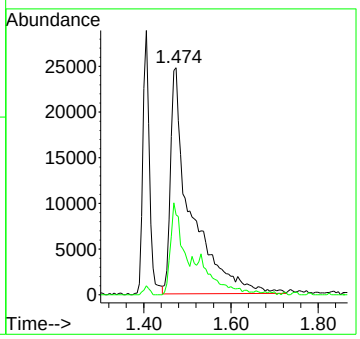


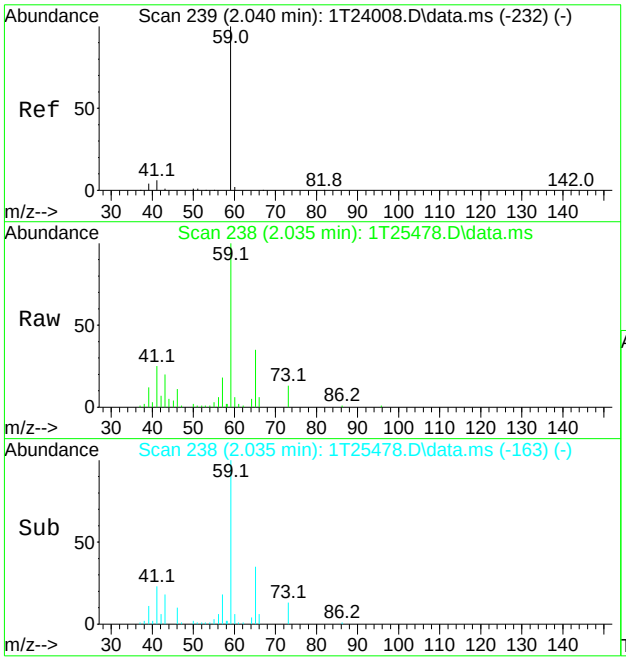


#2
ethanol
Concen: 2084.6761 ug/L
RT: 1.474 min Scan# 131
Delta R.T. 0.006 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion: 45 Resp: 79672

Ion	Ratio	Lower	Upper
45	100		
46	35.4	24.5	64.5

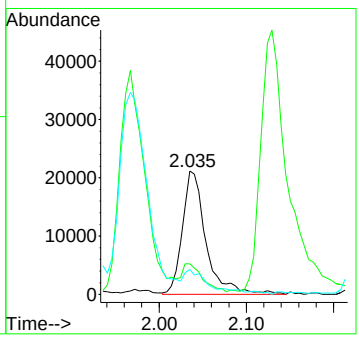


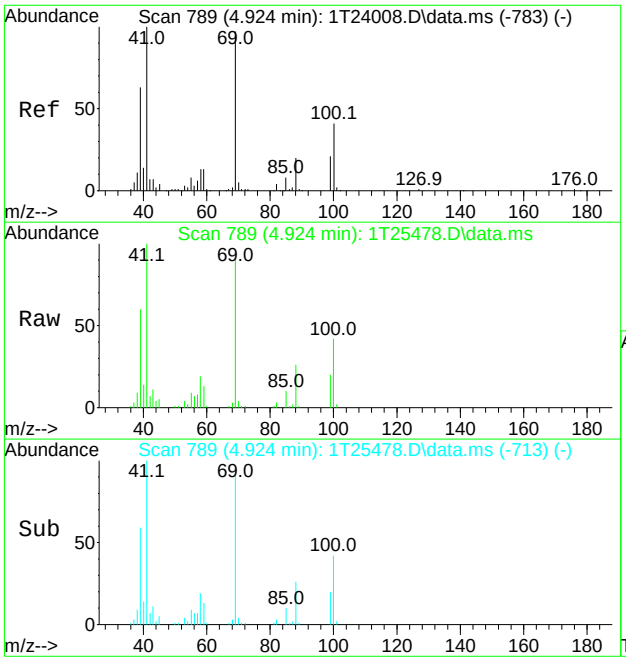


#3
tertiary butyl alcohol
Concen: 96.7946 ug/L
RT: 2.035 min Scan# 238
Delta R.T. -0.005 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion: 59 Resp: 39706

Ion	Ratio	Lower	Upper
59	100		
41	5.6	0.0	43.1
43	18.9	0.0	48.5

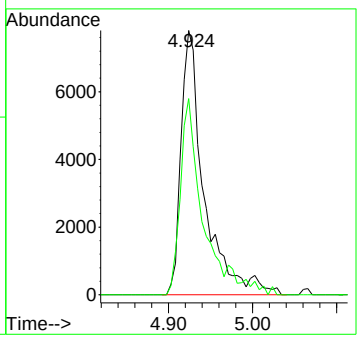


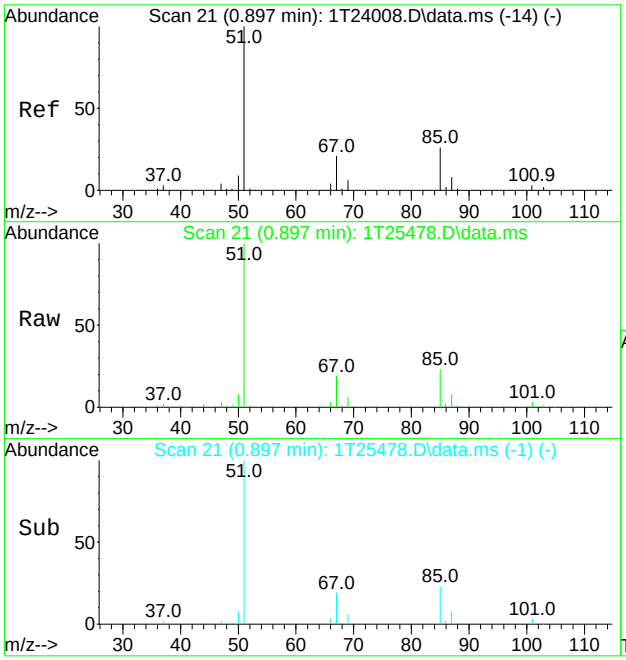


#4
1,4-dioxane
Concen: 517.3899 ug/L
RT: 4.924 min Scan# 789
Delta R.T. -0.000 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion: 88 Resp: 14871

Ion	Ratio	Lower	Upper
88	100		
58	74.2	43.0	83.0

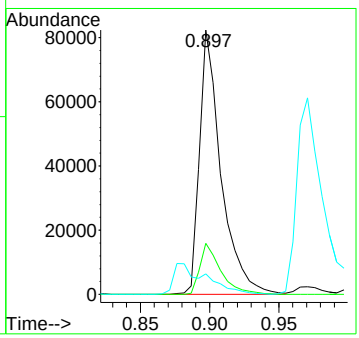


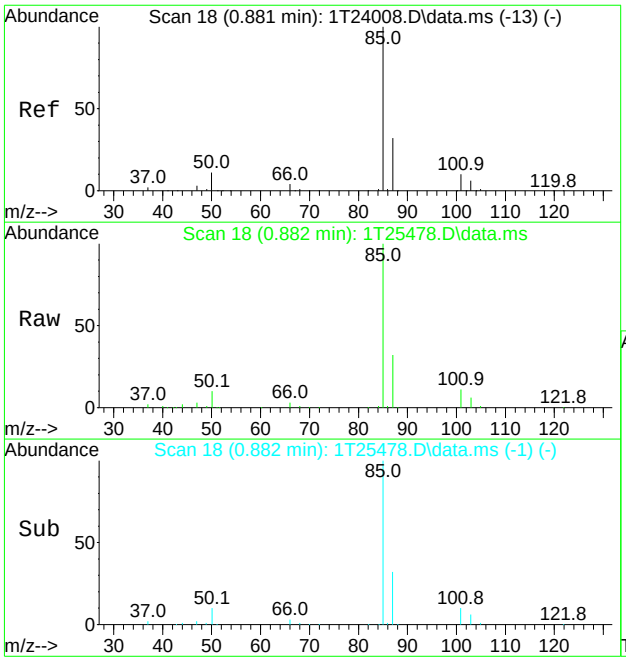


#6
chlorodifluoromethane
Concen: 24.8687 ug/L
RT: 0.897 min Scan# 21
Delta R.T. 0.000 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion: 51 Resp: 88852

Ion	Ratio	Lower	Upper
51	100		
67	19.4	0.0	51.0
50	7.6	0.0	38.8

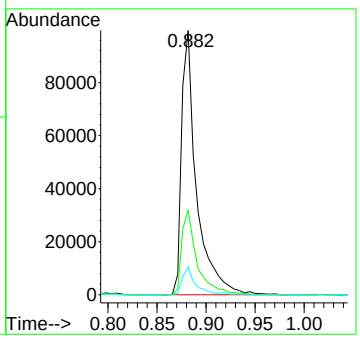


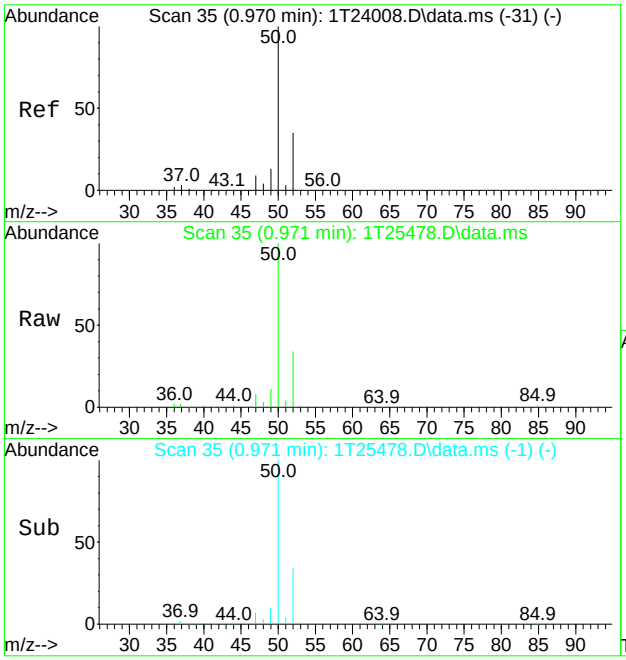


#7
dichlorodifluoromethane
Concen: 24.6724 ug/L
RT: 0.882 min Scan# 18
Delta R.T. 0.001 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion: 85 Resp: 105722

Ion	Ratio	Lower	Upper
85	100		
87	32.1	1.6	61.6
101	10.7	0.0	39.6

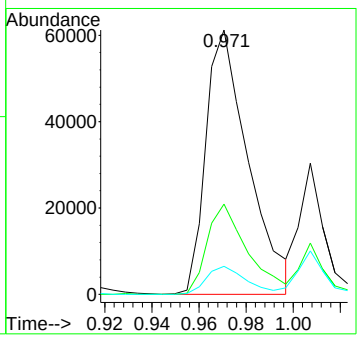


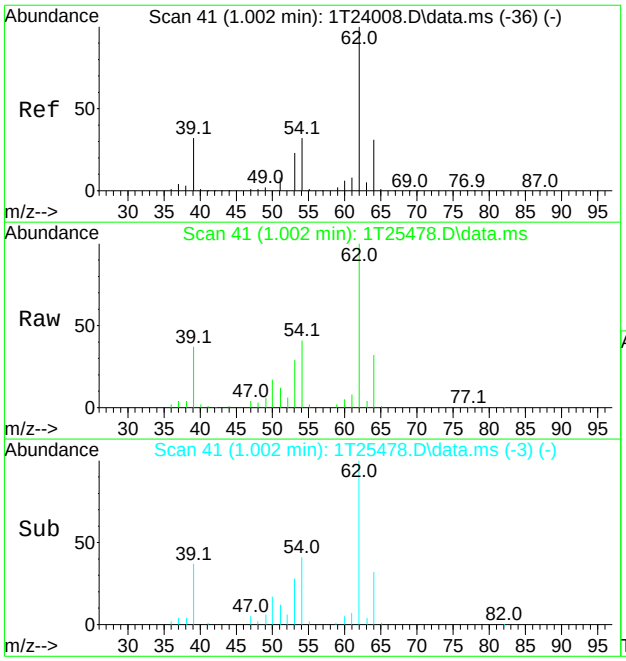


#8
chloromethane
Concen: 30.2631 ug/L
RT: 0.971 min Scan# 35
Delta R.T. 0.001 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion: 50 Resp: 76657

Ion	Ratio	Lower	Upper
50	100		
52	34.1	5.4	65.4
49	10.7	0.0	42.5

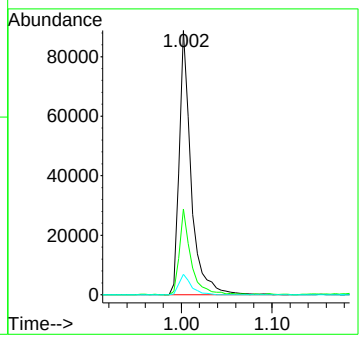


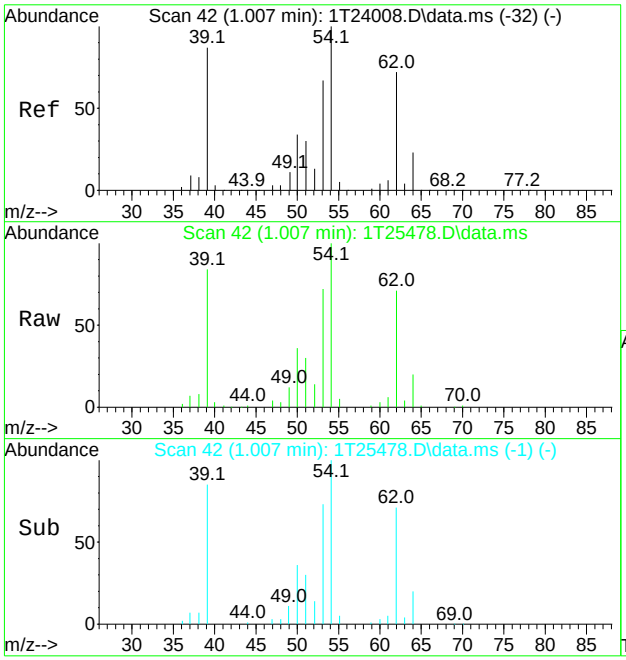


#9
vinyl chloride
Concen: 23.6522 ug/L
RT: 1.002 min Scan# 41
Delta R.T. 0.000 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion: 62 Resp: 81552

Ion	Ratio	Lower	Upper
62	100		
64	32.4	1.5	61.5
61	7.8	0.0	38.2

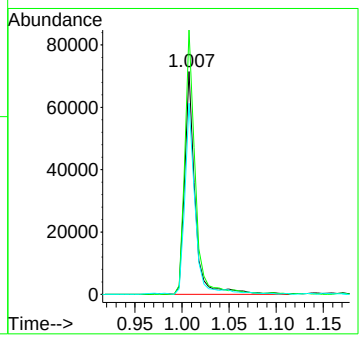


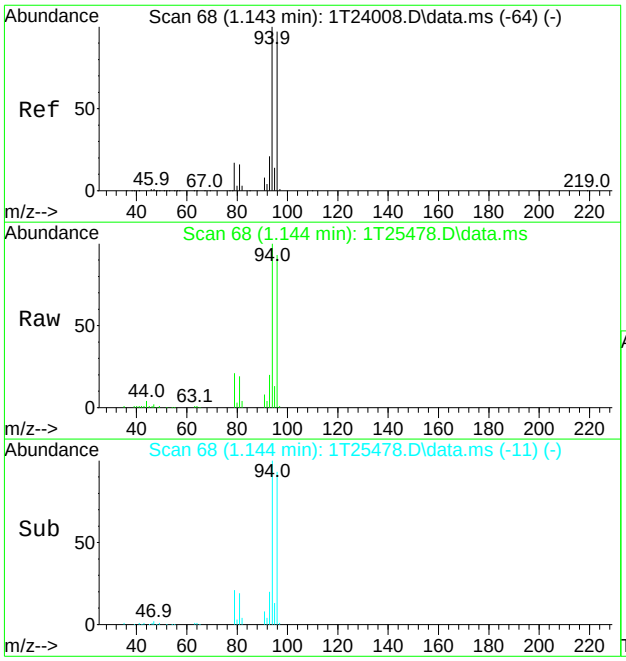


#10
1,3-butadiene
Concen: 23.0934 ug/L
RT: 1.007 min Scan# 42
Delta R.T. 0.000 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion: 39 Resp: 54774

Ion	Ratio	Lower	Upper
39	100		
54	118.7	84.6	144.6
53	85.3	47.3	107.3

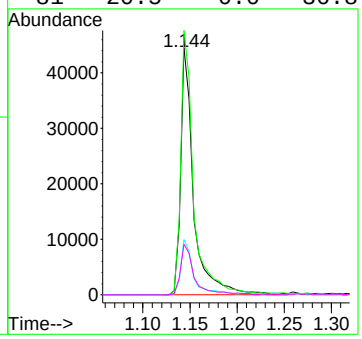


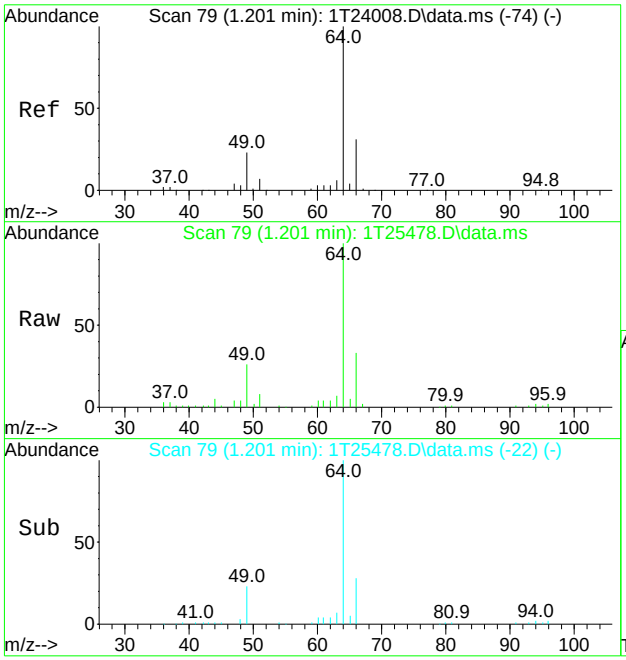


#11
bromomethane
Concen: 21.0488 ug/L
RT: 1.144 min Scan# 68
Delta R.T. 0.001 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion: 96 Resp: 42756

Ion	Ratio	Lower	Upper
96	100		
94	107.0	73.2	133.2
79	22.4	17.3	17.3#
81	20.5	0.0	36.8

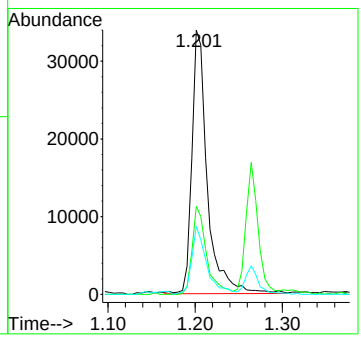


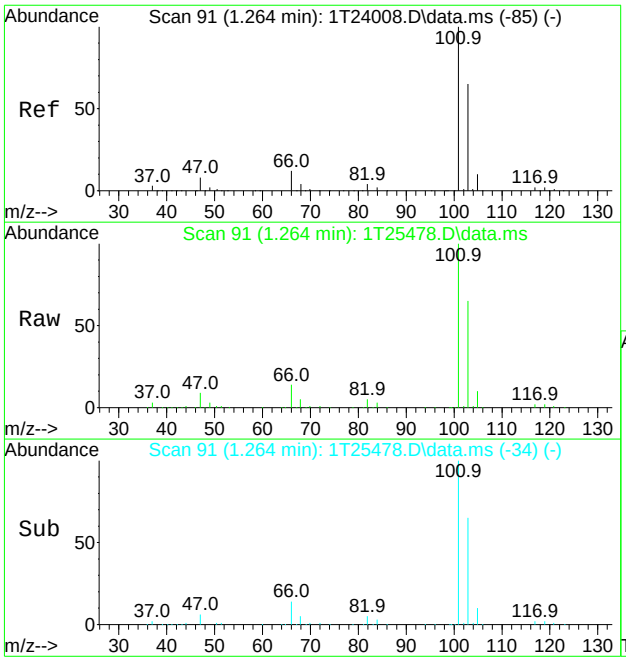


#12
chloroethane
Concen: 13.4264 ug/L
RT: 1.201 min Scan# 79
Delta R.T. 0.000 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion: 64 Resp: 41845

Ion	Ratio	Lower	Upper
64	100		
66	33.5	0.9	60.9
49	25.3	0.0	52.7

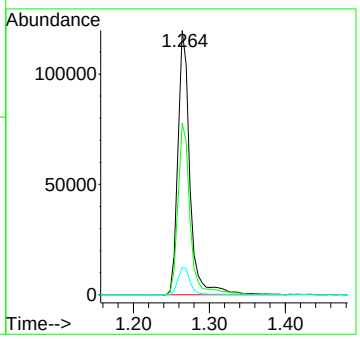


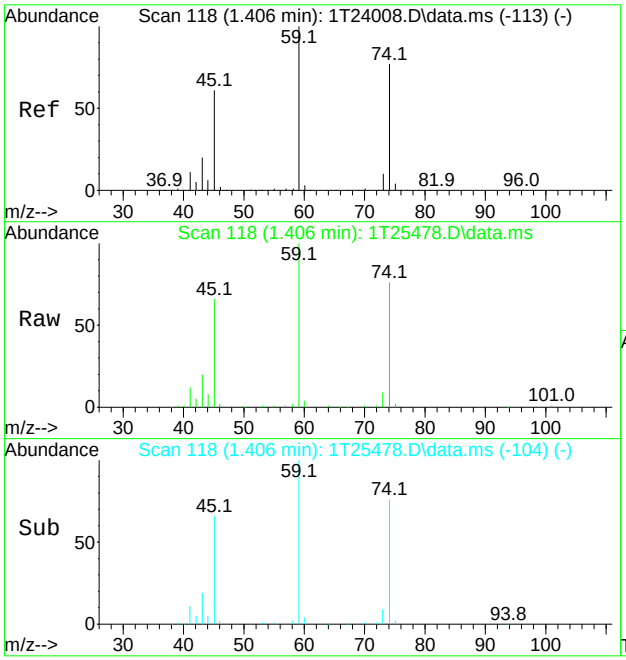


#13
trichlorofluoromethane
Concen: 17.1941 ug/L
RT: 1.264 min Scan# 91
Delta R.T. 0.000 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion:101 Resp: 132491

Ion	Ratio	Lower	Upper
101	100		
103	64.9	34.8	94.8
105	10.4	0.0	40.0

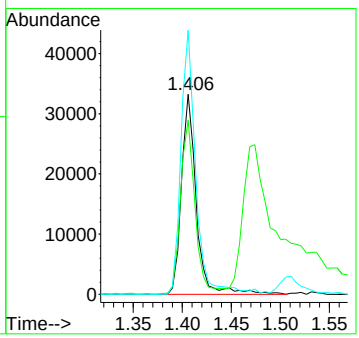


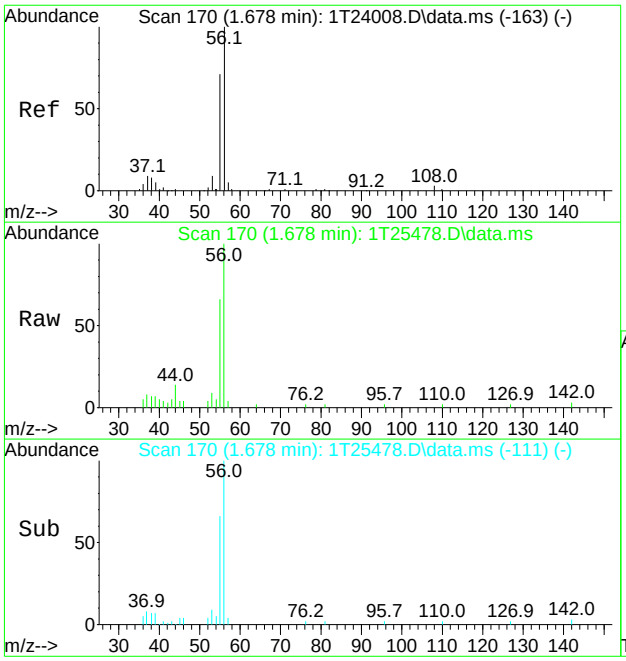


#14
ethyl ether
Concen: 19.2916 ug/L
RT: 1.406 min Scan# 118
Delta R.T. -0.000 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion: 74 Resp: 35023

Ion	Ratio	Lower	Upper
74	100		
45	86.6	48.9	108.9
59	132.1	99.2	159.2

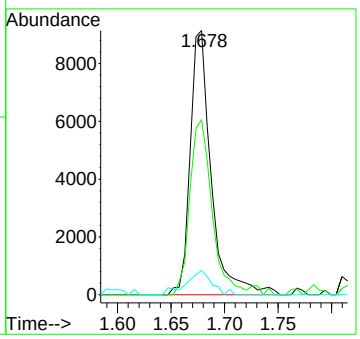


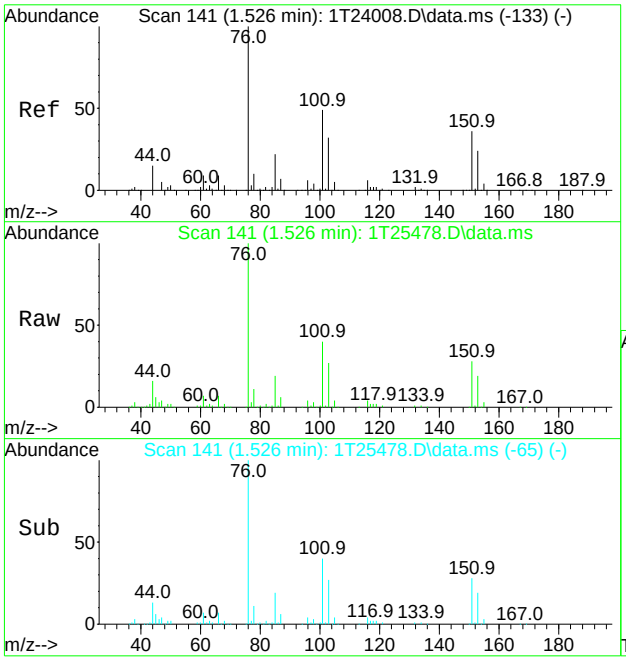


#15
acrolein
Concen: 18.2527 ug/L
RT: 1.678 min Scan# 170
Delta R.T. 0.000 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion: 56 Resp: 12507

Ion	Ratio	Lower	Upper
56	100		
55	66.3	41.3	101.3
53	9.2	0.0	38.7

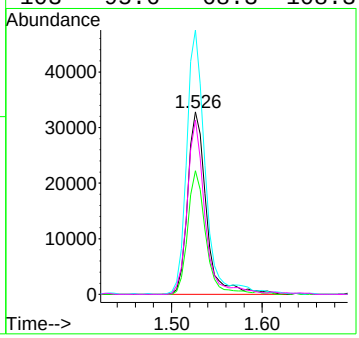


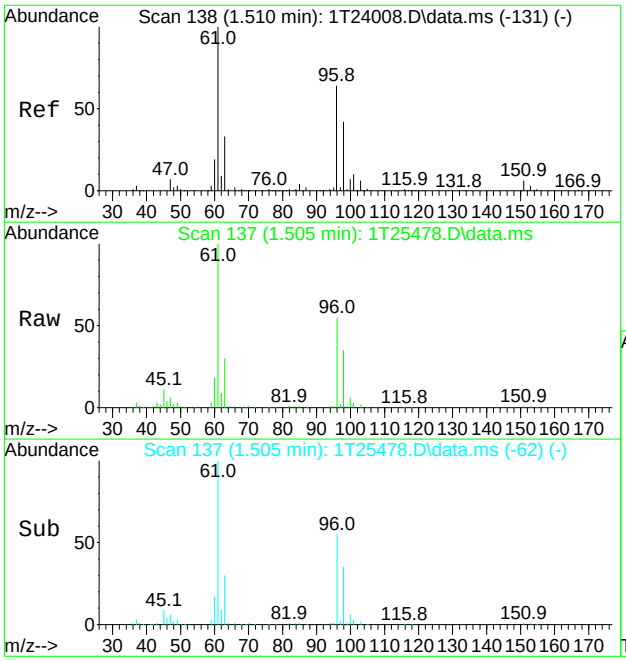


#16
freon 113
Concen: 19.2350 ug/L
RT: 1.526 min Scan# 141
Delta R.T. 0.000 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion:151 Resp: 47332

Ion	Ratio	Lower	Upper
151	100		
153	67.7	46.1	86.1
101	144.9	116.7	156.7
103	95.6	68.3	108.3

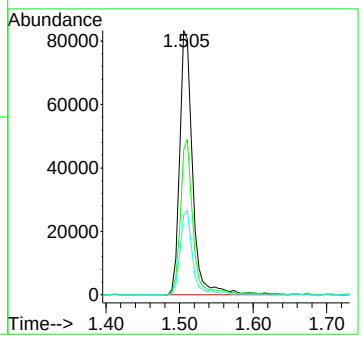


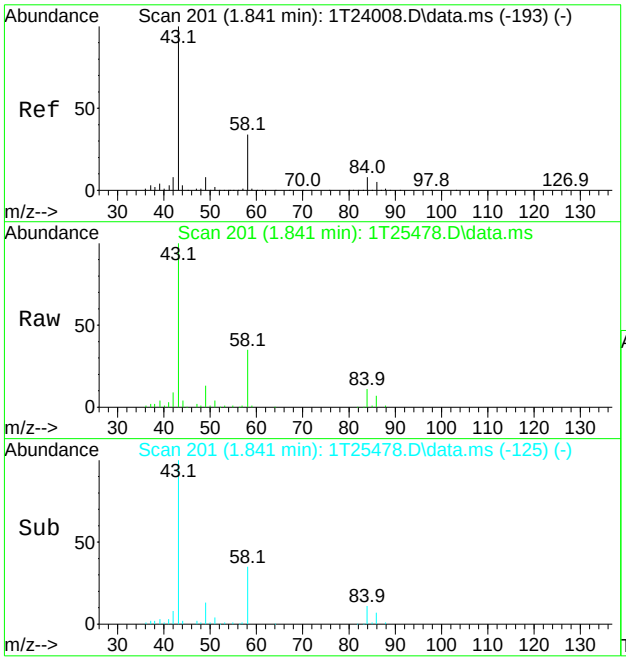


#17
1,1-dichloroethene
Concen: 20.4629 ug/L
RT: 1.505 min Scan# 137
Delta R.T. -0.005 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion: 61 Resp: 102159

Ion	Ratio	Lower	Upper
61	100		
96	54.7	33.7	93.7
63	30.2	2.8	62.8

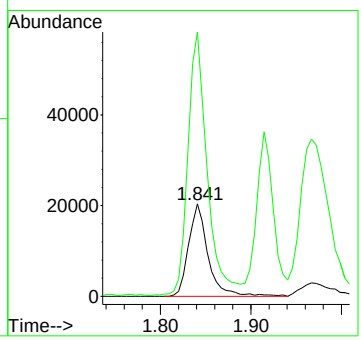


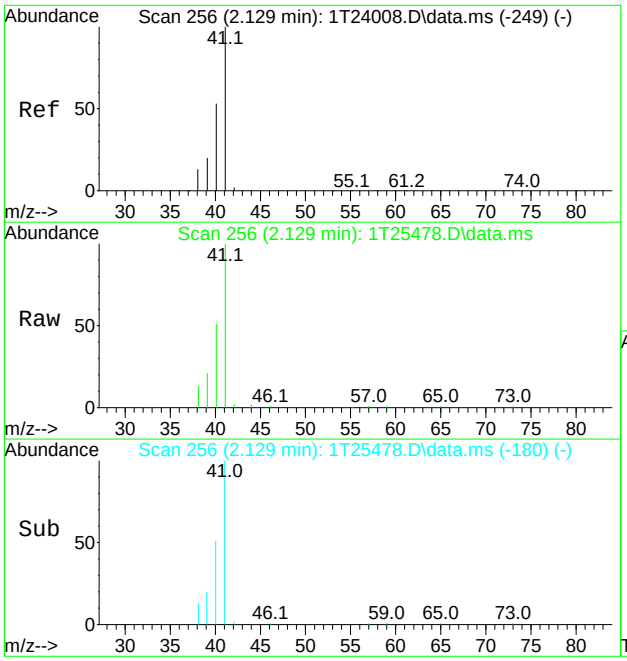


#18
acetone
Concen: 71.2496 ug/L
RT: 1.841 min Scan# 201
Delta R.T. 0.000 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion: 58 Resp: 30600

Ion	Ratio	Lower	Upper
58	100		
43	283.4	263.8	323.8

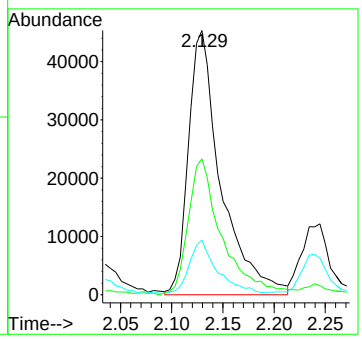


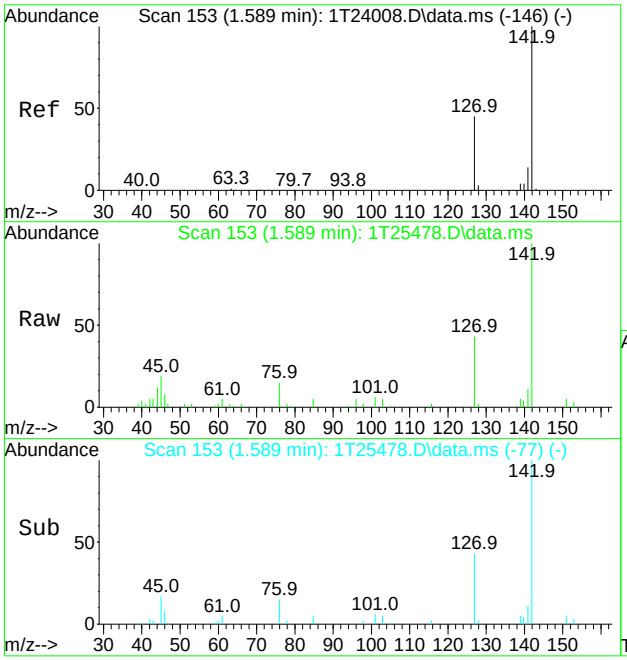


#19
acetonitrile
Concen: 254.1546 ug/L
RT: 2.129 min Scan# 256
Delta R.T. 0.000 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion: 41 Resp: 99806

Ion	Ratio	Lower	Upper
41	100		
40	51.2	23.2	83.2
39	20.4	0.0	49.8

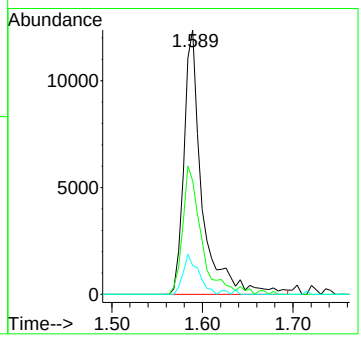


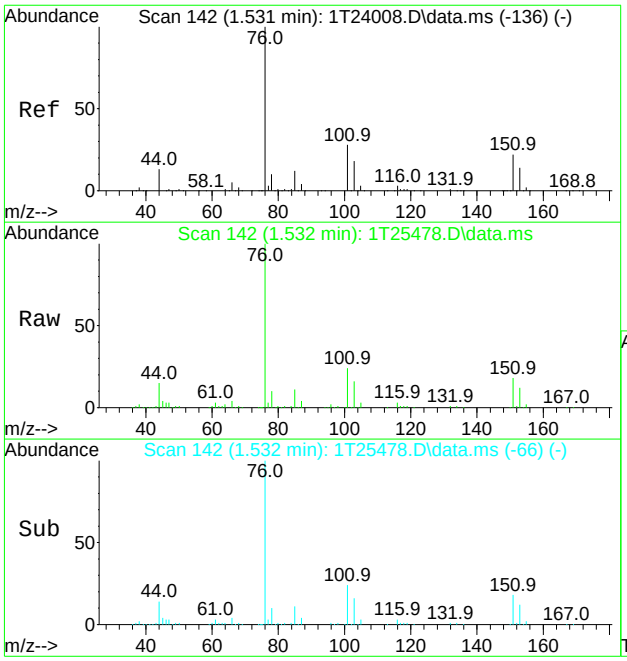


#20
iodomethane
Concen: 13.0866 ug/L
RT: 1.589 min Scan# 153
Delta R.T. 0.000 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion:142 Resp: 17362

Ion	Ratio	Lower	Upper
142	100		
127	43.0	14.7	74.7
141	11.0	0.0	44.3

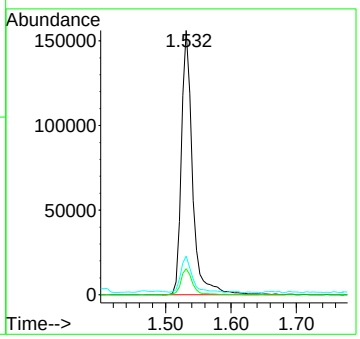


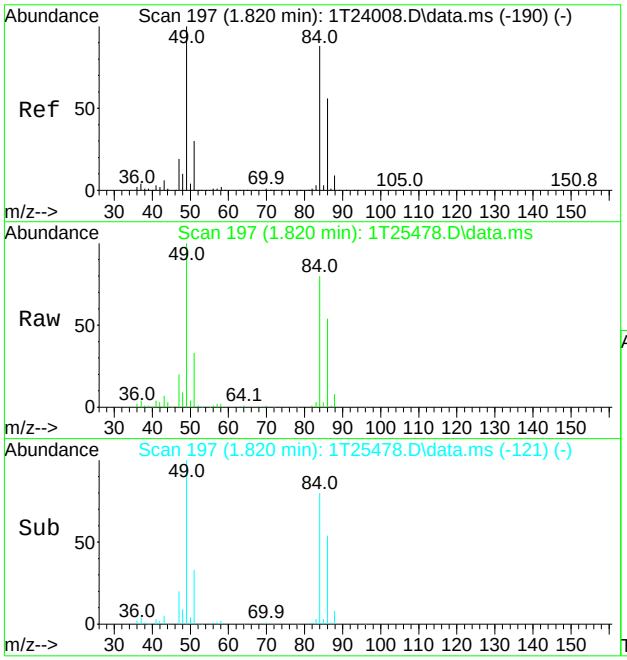


#21
carbon disulfide
Concen: 19.5045 ug/L
RT: 1.532 min Scan# 142
Delta R.T. 0.001 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion: 76 Resp: 184614

Ion	Ratio	Lower	Upper
76	100		
78	9.9	0.0	40.0
44	13.8	0.0	43.4

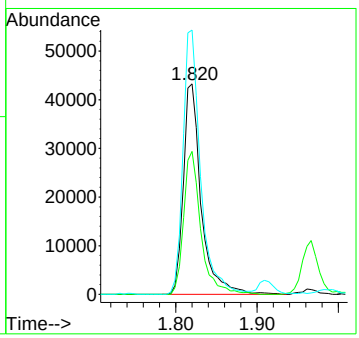


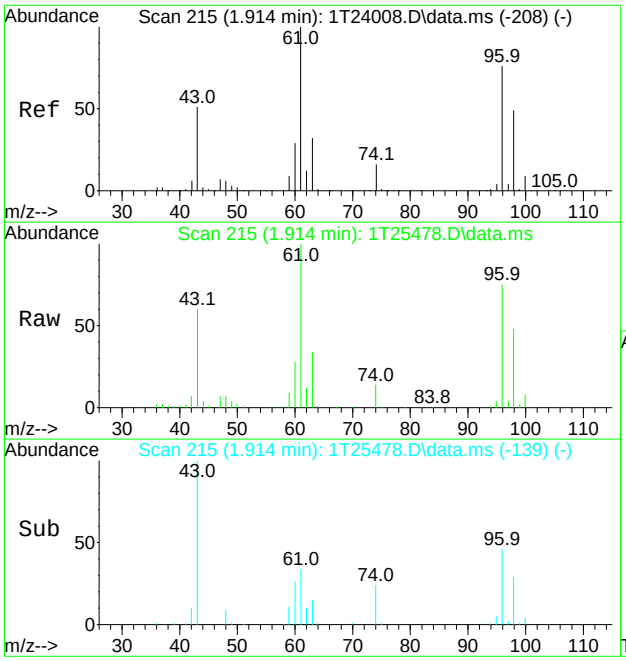


#22
methylene chloride
Concen: 18.3533 ug/L
RT: 1.820 min Scan# 197
Delta R.T. 0.000 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion: 84 Resp: 66334

Ion	Ratio	Lower	Upper
84	100		
86	68.0	34.2	94.2
49	125.7	84.0	144.0

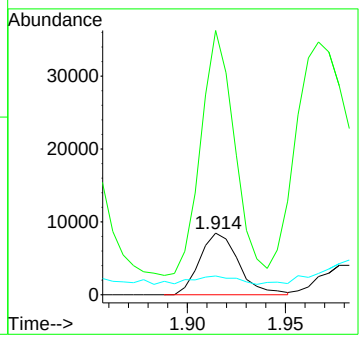


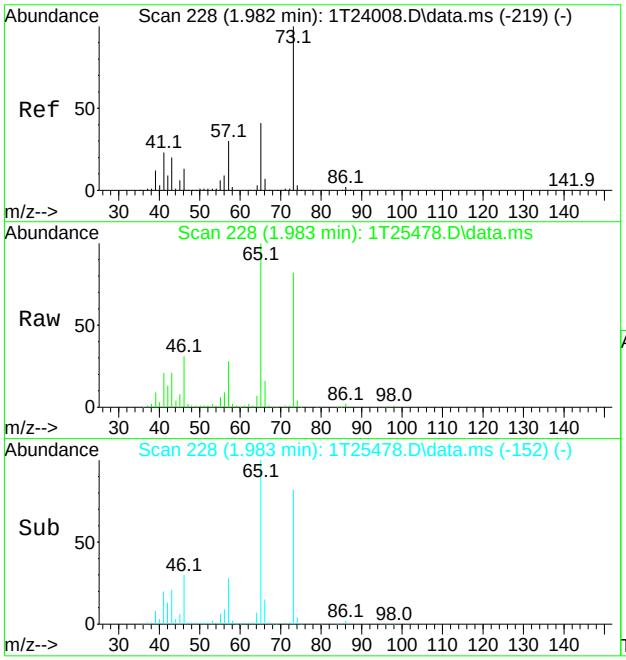


#23
methyl acetate
Concen: 17.1502 ug/L
RT: 1.914 min Scan# 215
Delta R.T. 0.000 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion: 74 Resp: 11723

Ion	Ratio	Lower	Upper
74	100		
43	396.4	282.8	342.8#
44	12.1	0.0	42.2

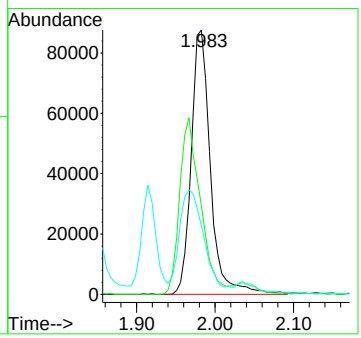


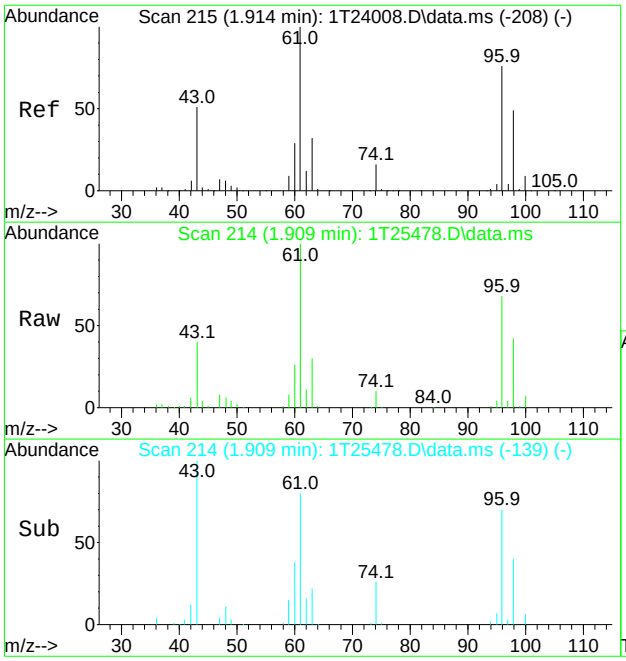


#24
methyl tert butyl ether
Concen: 21.0804 ug/L
RT: 1.983 min Scan# 228
Delta R.T. 0.001 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion: 73 Resp: 149361

Ion	Ratio	Lower	Upper
73	100		
57	33.3	0.0	60.0
43	25.1	0.0	55.7

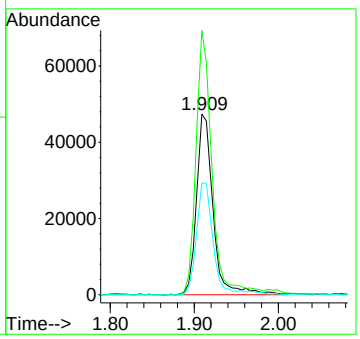


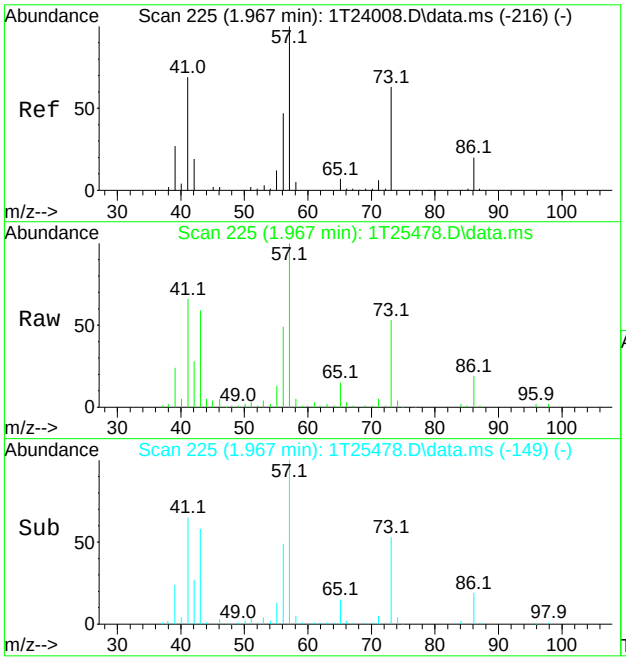


#25
trans-1,2-dichloroethene
Concen: 19.1783 ug/L
RT: 1.909 min Scan# 214
Delta R.T. -0.005 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion: 96 Resp: 65118

Ion	Ratio	Lower	Upper
96	100		
61	146.3	101.0	161.0
98	62.0	34.5	94.5

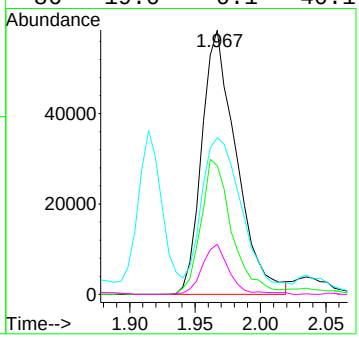


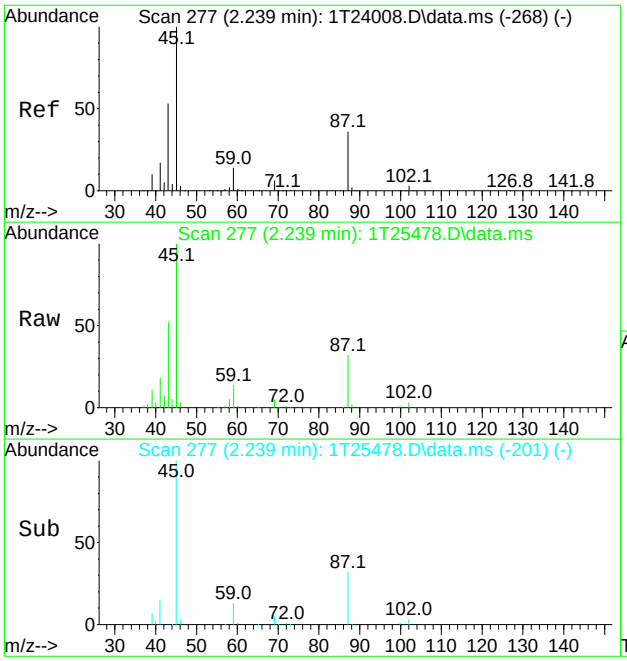


#26
hexane
Concen: 24.6386 ug/L
RT: 1.967 min Scan# 225
Delta R.T. -0.000 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion: 57 Resp: 107893

Ion	Ratio	Lower	Upper
57	100		
56	48.7	27.2	67.2
43	54.9	37.1	77.1
86	19.0	0.1	40.1

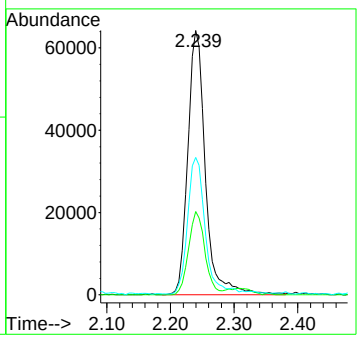


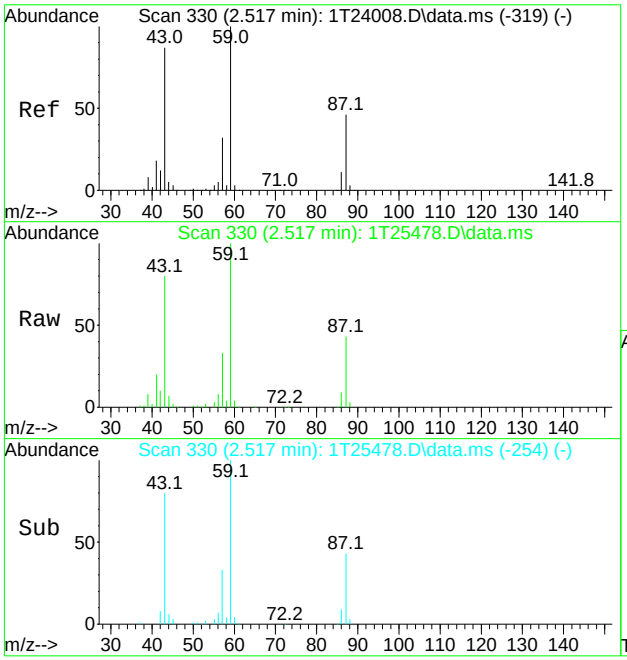


#27
di-isopropyl ether
Concen: 21.6730 ug/L
RT: 2.239 min Scan# 277
Delta R.T. 0.000 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion: 45 Resp: 123099

Ion	Ratio	Lower	Upper
45	100		
87	31.5	6.3	66.3
43	51.6	23.0	83.0

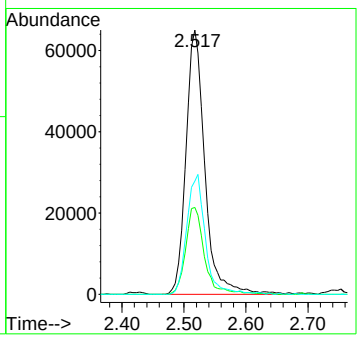


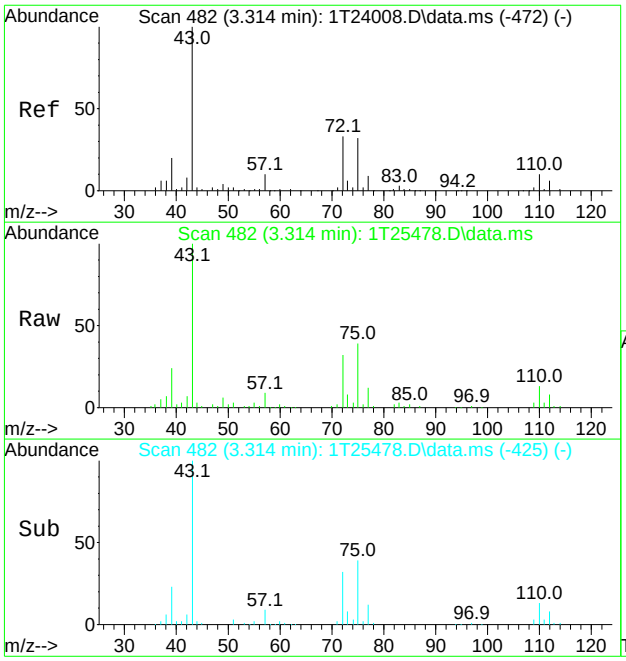


#28
ethyl tert-butyl ether
Concen: 20.5549 ug/L
RT: 2.517 min Scan# 330
Delta R.T. 0.000 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion: 59 Resp: 138289

Ion	Ratio	Lower	Upper
59	100		
57	32.8	2.1	62.1
87	42.8	15.5	75.5

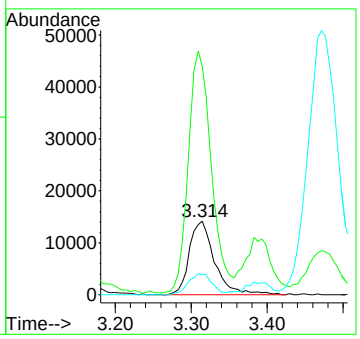


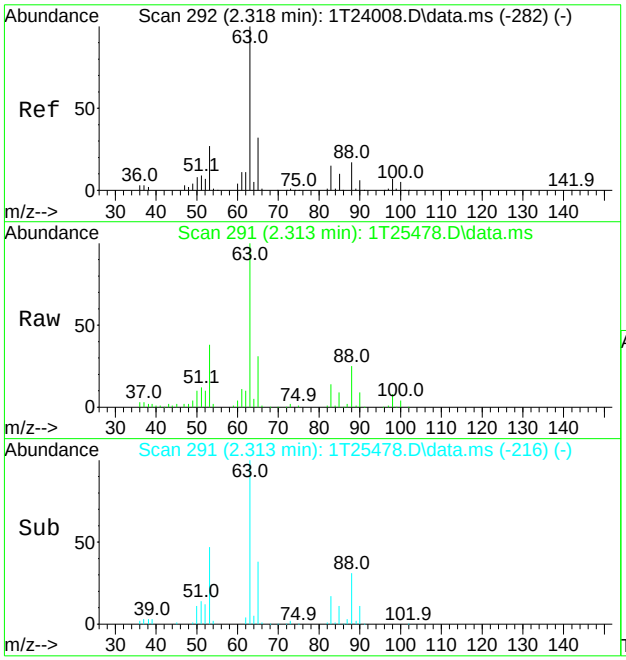


#29
2-butanone
Concen: 71.3847 ug/L
RT: 3.314 min Scan# 482
Delta R.T. 0.000 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion: 72 Resp: 33027

Ion	Ratio	Lower	Upper
72	100		
43	308.2	273.9	333.9
57	27.6	0.0	58.9

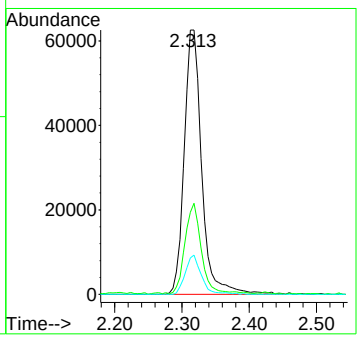


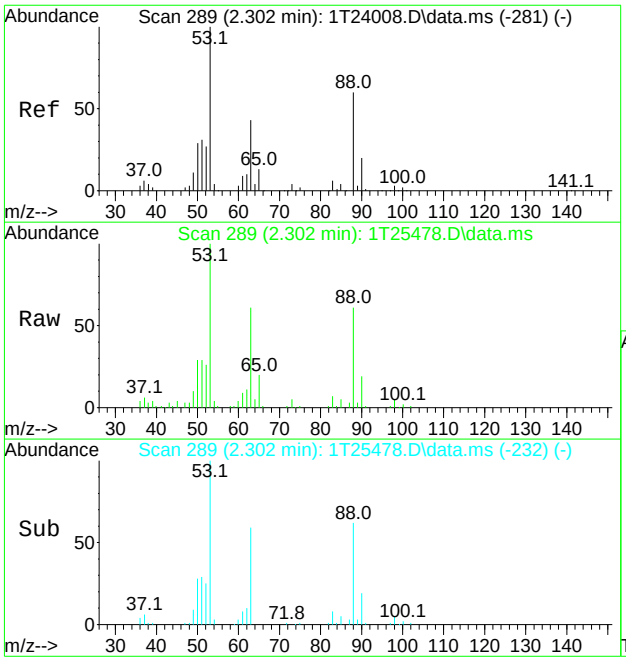


#30
1,1-dichloroethane
Concen: 22.2003 ug/L
RT: 2.313 min Scan# 291
Delta R.T. -0.005 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion: 63 Resp: 113271

Ion	Ratio	Lower	Upper
63	100		
65	31.1	2.0	62.0
83	13.8	0.0	45.2

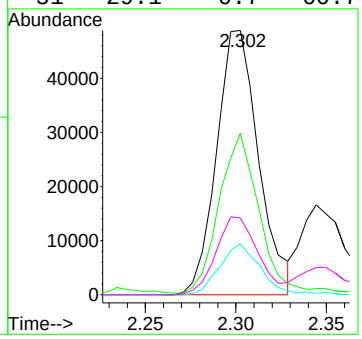


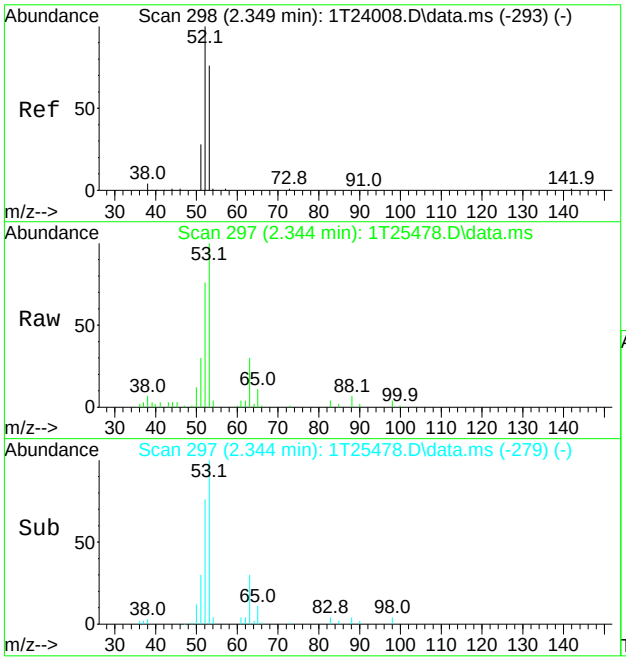


#31
chloroprene
Concen: 19.7327 ug/L
RT: 2.302 min Scan# 289
Delta R.T. 0.000 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion: 53 Resp: 78671

Ion	Ratio	Lower	Upper
53	100		
88	60.4	29.5	89.5
90	19.3	0.0	49.7
51	29.1	0.7	60.7

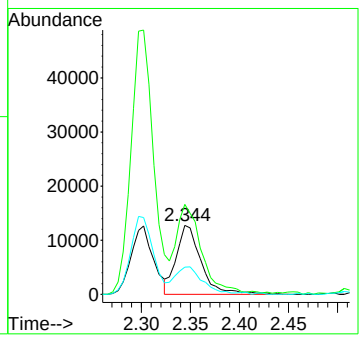


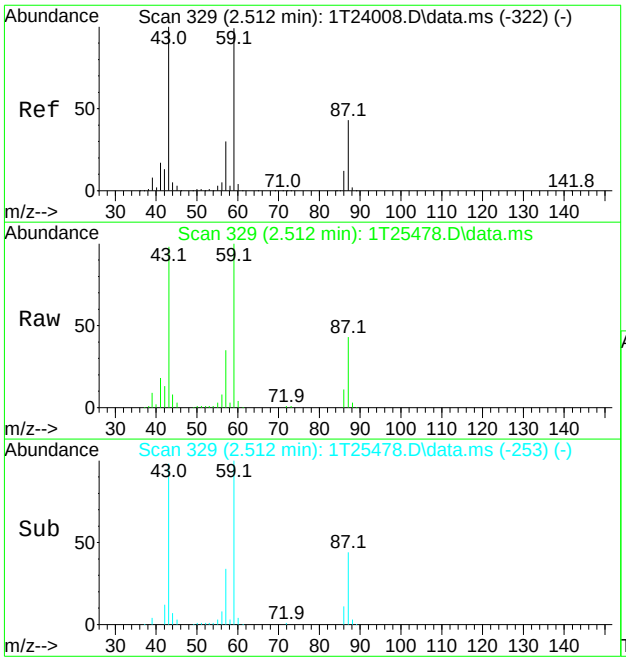


#32
acrylonitrile
Concen: 22.1064 ug/L
RT: 2.344 min Scan# 297
Delta R.T. -0.005 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion: 52 Resp: 22474

Ion	Ratio	Lower	Upper
52	100		
53	127.5	96.8	156.8
51	39.5	14.4	74.4

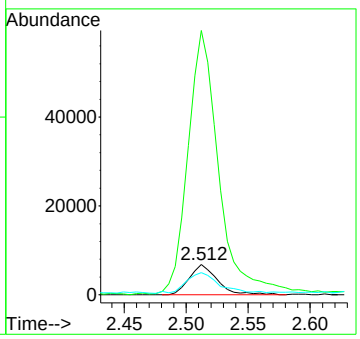


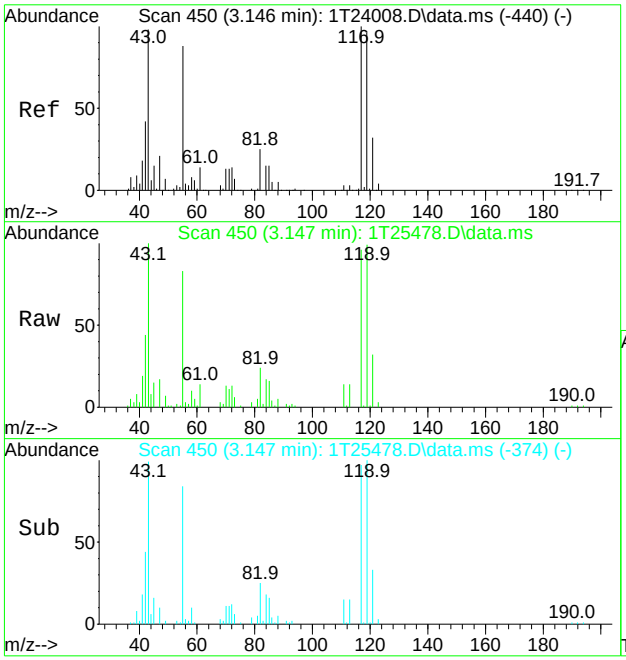


#33
vinyl acetate
Concen: 16.0696 ug/L
RT: 2.512 min Scan# 329
Delta R.T. 0.000 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion: 86 Resp: 10710

Ion	Ratio	Lower	Upper
86	100		
43	857.8	805.6	865.6
44	64.4	9.2	69.2

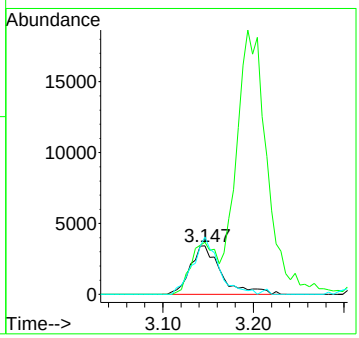


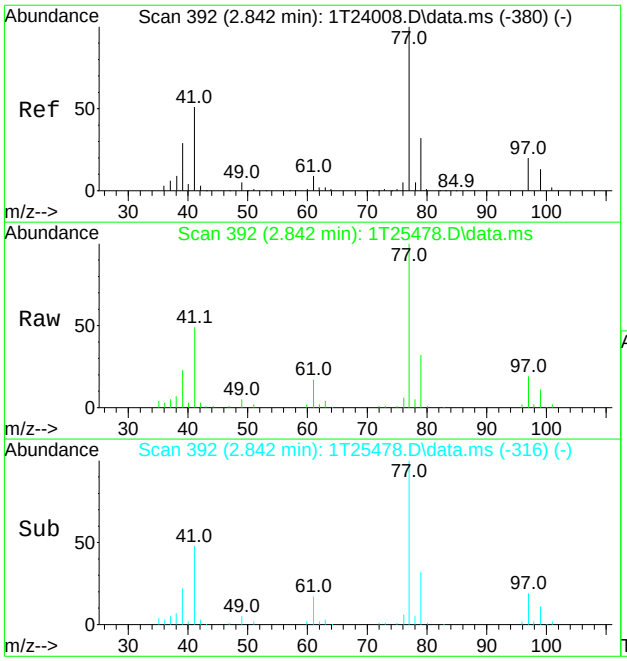


#34
ethyl acetate
Concen: 19.3515 ug/L
RT: 3.147 min Scan# 450
Delta R.T. 0.001 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion: 70 Resp: 8134

Ion	Ratio	Lower	Upper
70	100		
61	107.6	81.1	141.1
45	118.5	86.0	146.0

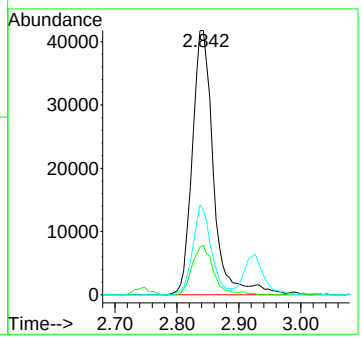


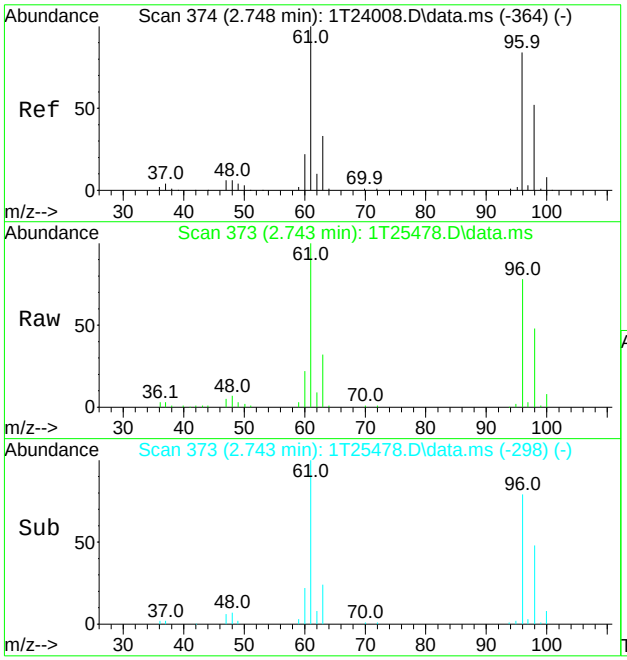


#35
2,2-dichloropropane
Concen: 23.8002 ug/L
RT: 2.842 min Scan# 392
Delta R.T. 0.000 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion: 77 Resp: 99596

Ion	Ratio	Lower	Upper
77	100		
97	18.8	0.0	50.0
79	32.0	2.2	62.2

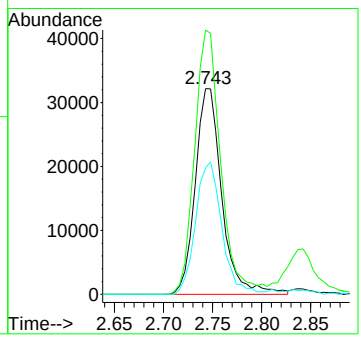


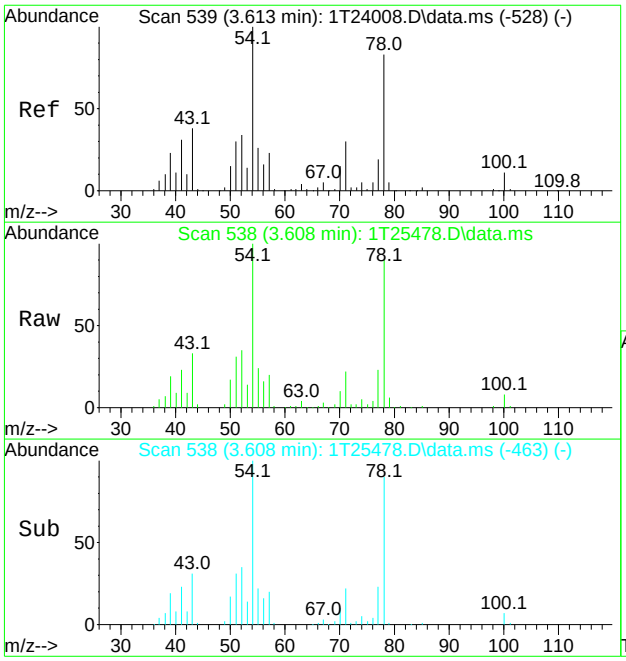


#36
cis-1,2-dichloroethene
Concen: 20.2880 ug/L
RT: 2.743 min Scan# 373
Delta R.T. -0.005 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion: 96 Resp: 60666

Ion	Ratio	Lower	Upper
96	100		
61	128.5	89.4	149.4
98	61.5	32.0	92.0

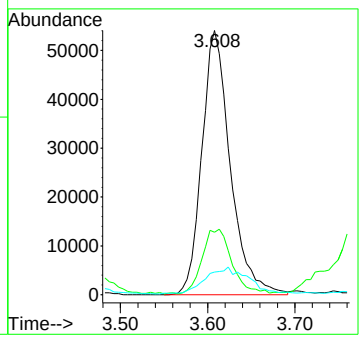


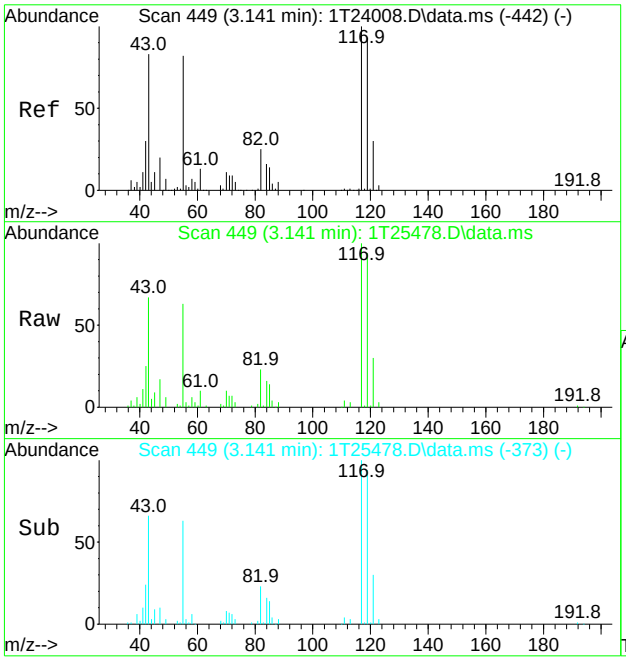


#37
propionitrile
Concen: 227.0670 ug/L
RT: 3.608 min Scan# 538
Delta R.T. -0.005 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion: 54 Resp: 122214

Ion	Ratio	Lower	Upper
54	100		
55	23.3	0.0	55.9
40	8.0	0.0	41.2

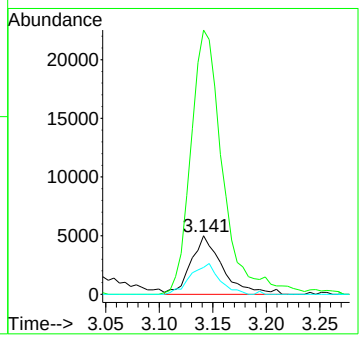


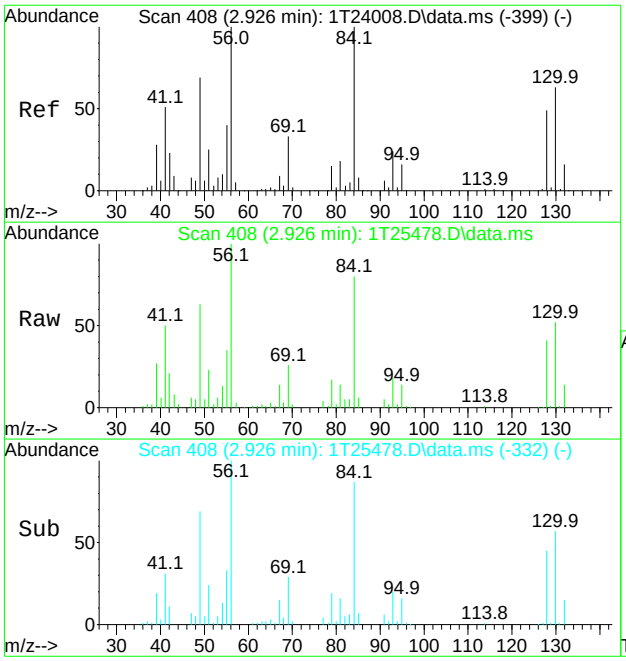


#38
methyl acrylate
Concen: 18.1924 ug/L
RT: 3.141 min Scan# 449
Delta R.T. 0.000 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion: 85 Resp: 10216

Ion	Ratio	Lower	Upper
85	100		
55	448.1	512.8	552.8#
58	46.0	28.3	68.3

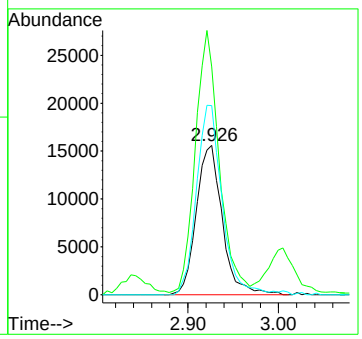


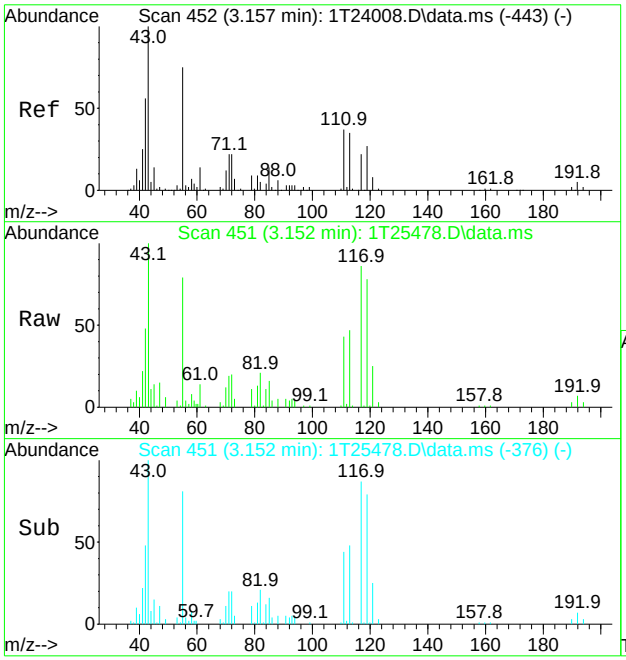


#39
bromochloromethane
Concen: 20.4605 ug/L
RT: 2.926 min Scan# 408
Delta R.T. 0.000 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion:128 Resp: 31064

Ion	Ratio	Lower	Upper
128	100		
49	150.1	110.2	170.2
130	126.7	98.0	158.0

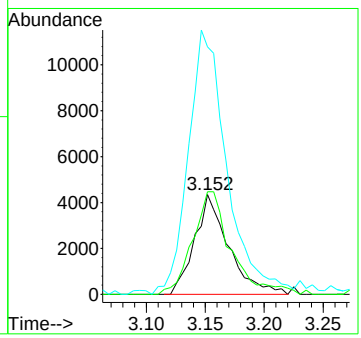


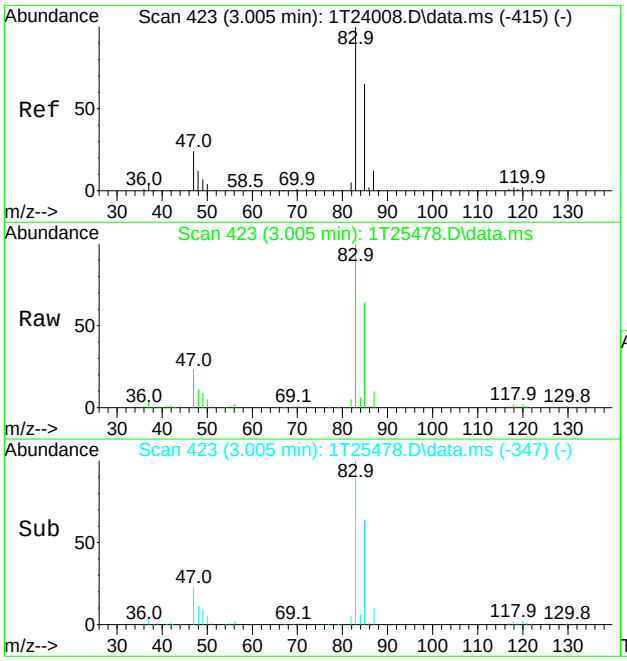


#40
tetrahydrofuran
Concen: 17.9111 ug/L
RT: 3.152 min Scan# 451
Delta R.T. -0.005 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion: 71 Resp: 8757

Ion	Ratio	Lower	Upper
71	100		
72	97.8	71.2	131.2
42	239.9	227.1	287.1

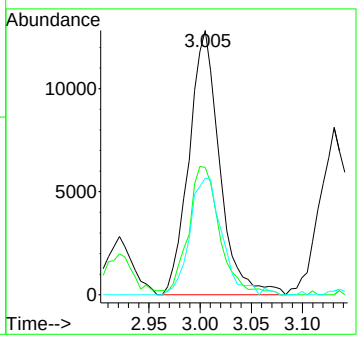


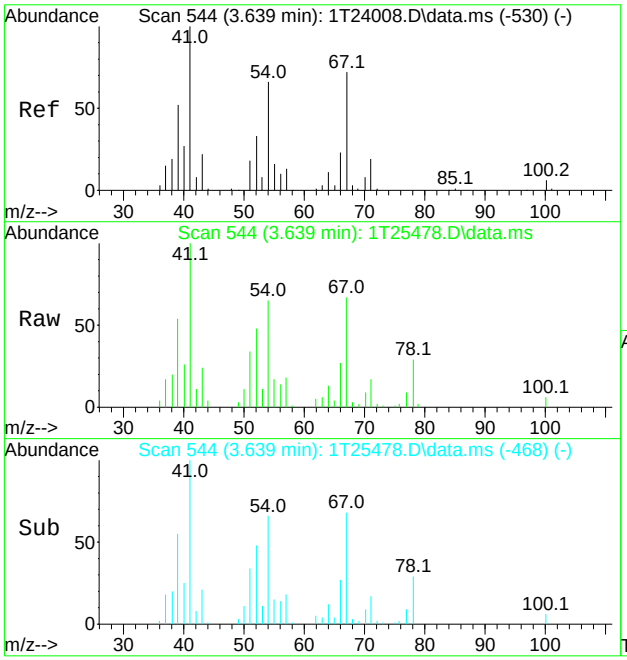


#41
chloroform
Concen: 19.0630 ug/L
RT: 3.005 min Scan# 423
Delta R.T. -0.000 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion: 47 Resp: 26716

Ion	Ratio	Lower	Upper
47	100		
48	48.1	19.2	79.2
87	44.1	18.5	78.5

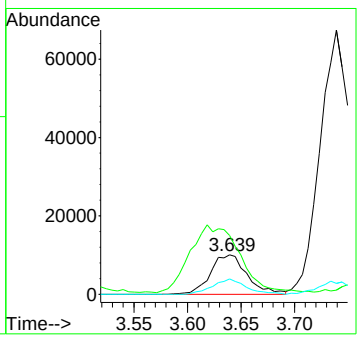




#43
methacrylonitrile
Concen: 18.1827 ug/L
RT: 3.639 min Scan# 544
Delta R.T. 0.000 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

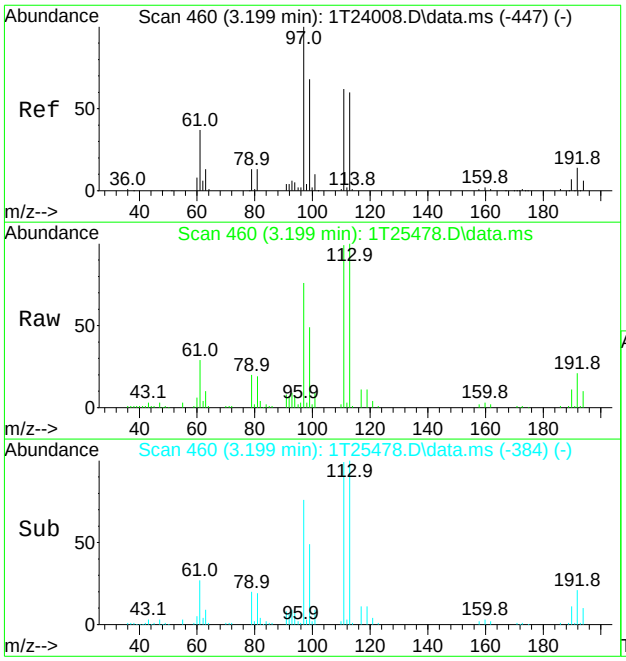
Tgt Ion: 67 Resp: 24107

Ion	Ratio	Lower	Upper
67	100		
41	139.5	109.1	169.1
66	39.5	2.0	62.0



7.6.27

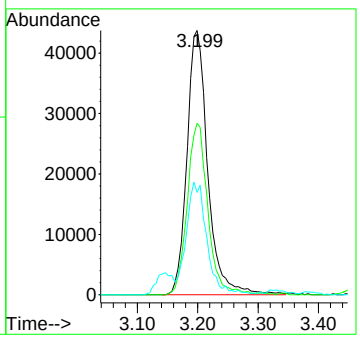
7

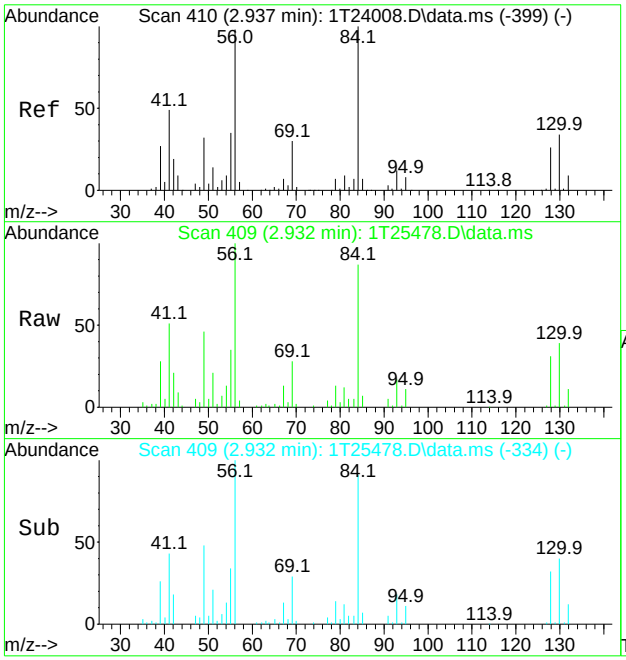


#44
1,1,1-trichloroethane
Concen: 22.2742 ug/L
RT: 3.199 min Scan# 460
Delta R.T. -0.000 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion: 97 Resp: 104936

Ion	Ratio	Lower	Upper
97	100		
99	64.9	38.0	98.0
61	37.6	11.6	71.6

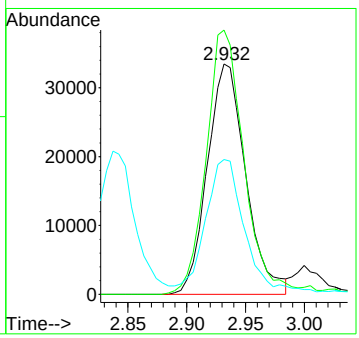


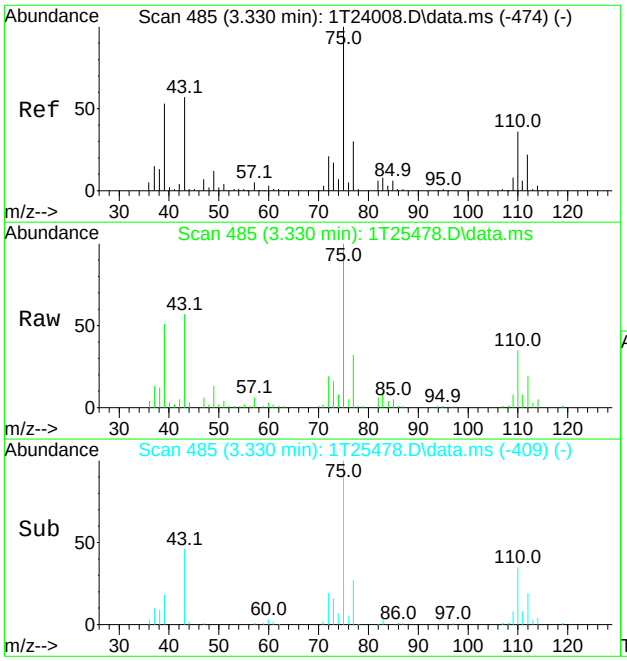


#45
cyclohexane
Concen: 18.8084 ug/L
RT: 2.932 min Scan# 409
Delta R.T. -0.005 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion: 84 Resp: 75872

Ion	Ratio	Lower	Upper
84	100		
56	114.8	78.4	118.4
41	55.0	30.2	70.2

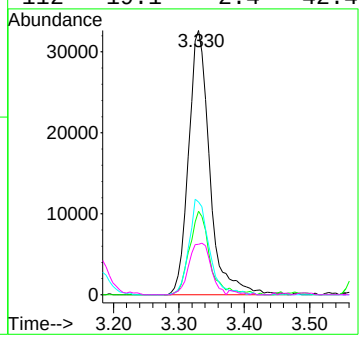


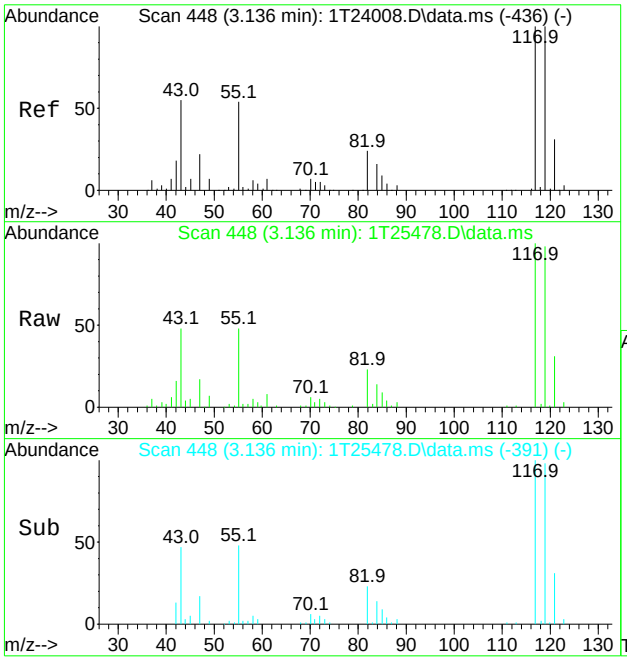


#46
1,1-dichloropropene
Concen: 19.9278 ug/L
RT: 3.330 min Scan# 485
Delta R.T. 0.000 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion: 75 Resp: 73486

Ion	Ratio	Lower	Upper
75	100		
77	31.6	9.7	49.7
110	35.1	15.7	55.7
112	19.1	2.4	42.4

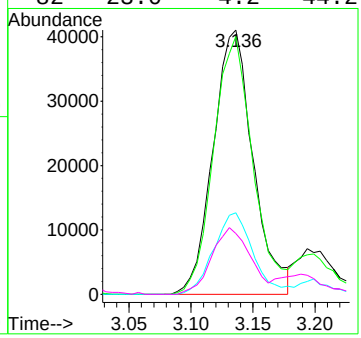


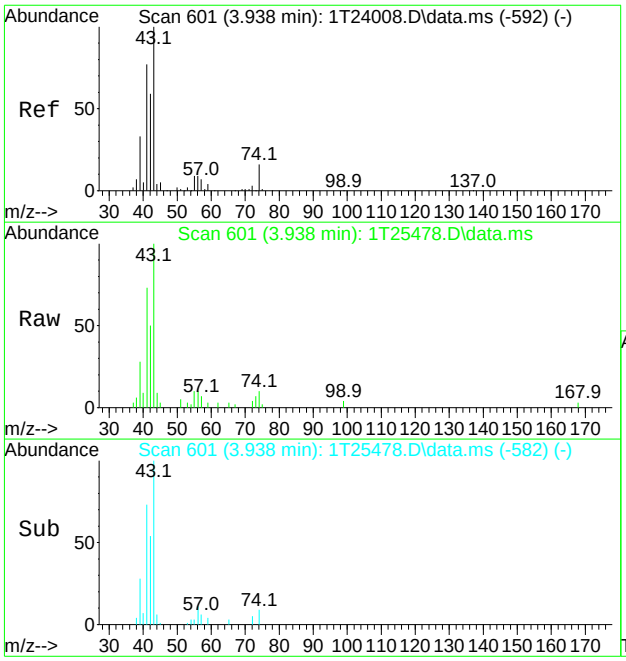


#47
carbon tetrachloride
Concen: 22.0663 ug/L
RT: 3.136 min Scan# 448
Delta R.T. 0.000 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion:117 Resp: 92110

Ion	Ratio	Lower	Upper
117	100		
119	97.5	80.5	120.5
121	30.8	11.1	51.1
82	23.0	4.2	44.2

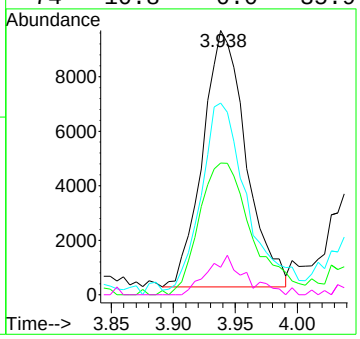


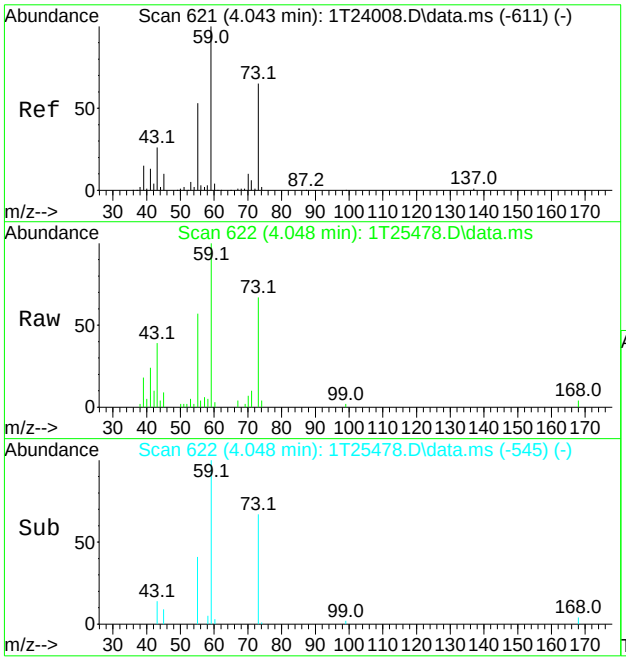


#48
isobutyl alcohol
Concen: 202.8702 ug/L
RT: 3.938 min Scan# 601
Delta R.T. 0.000 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion: 43 Resp: 22837

Ion	Ratio	Lower	Upper
43	100		
42	49.7	39.1	79.1
41	73.0	57.3	97.3
74	10.8	0.0	35.9

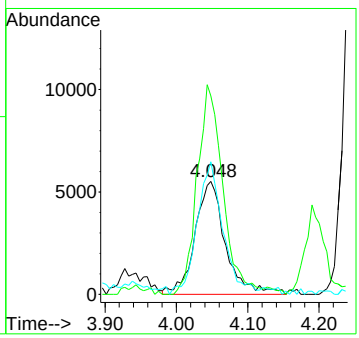


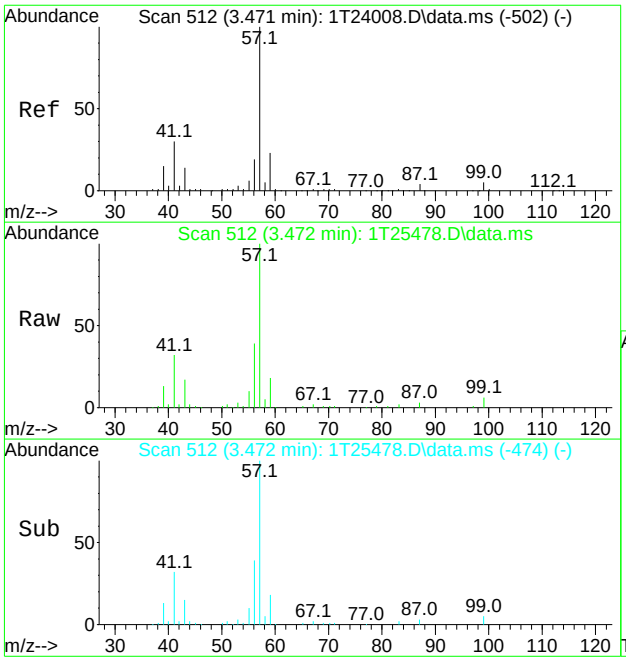


#49
tert-amyl alcohol
Concen: 107.1000 ug/L
RT: 4.048 min Scan# 622
Delta R.T. 0.005 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion: 55 Resp: 16330

Ion	Ratio	Lower	Upper
55	100		
59	175.4	167.3	207.3
73	114.3	102.0	142.0

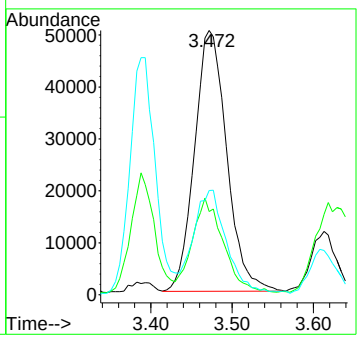


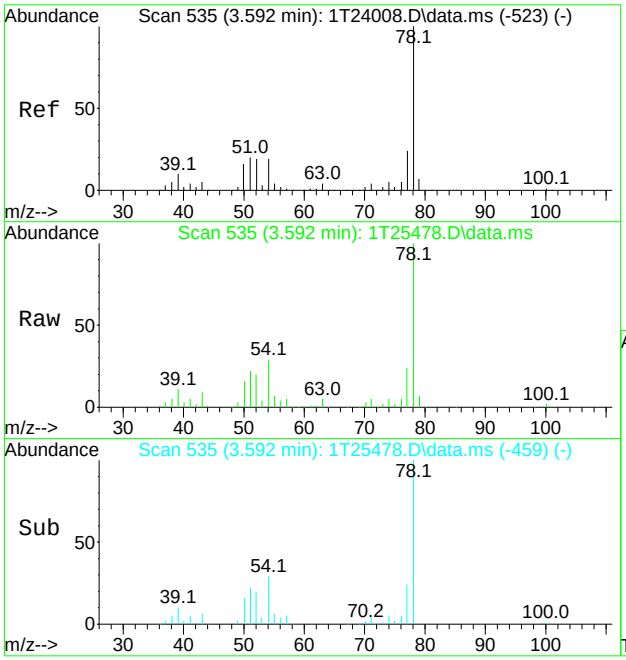


#52
iso-octane
Concen: 23.8512 ug/L
RT: 3.472 min Scan# 512
Delta R.T. 0.001 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion: 57 Resp: 138627

Ion	Ratio	Lower	Upper
57	100		
41	30.7	17.8	57.8
56	38.4	15.2	55.2

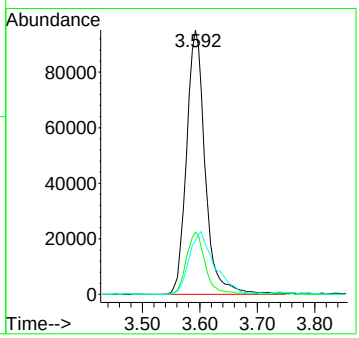


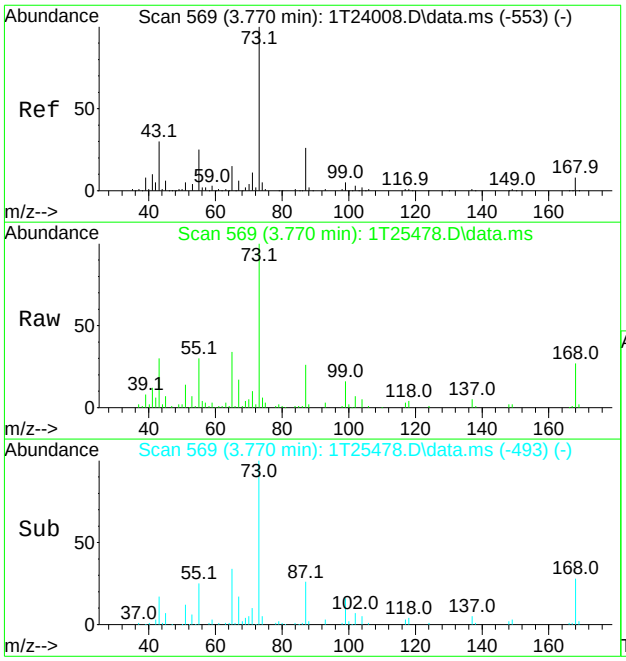


#53
benzene
Concen: 21.2679 ug/L
RT: 3.592 min Scan# 535
Delta R.T. 0.000 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion: 78 Resp: 214296

Ion	Ratio	Lower	Upper
78	100		
77	23.7	0.0	54.3
52	20.3	0.0	48.8

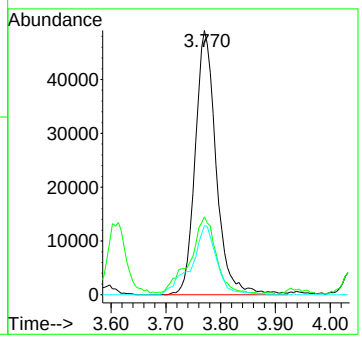


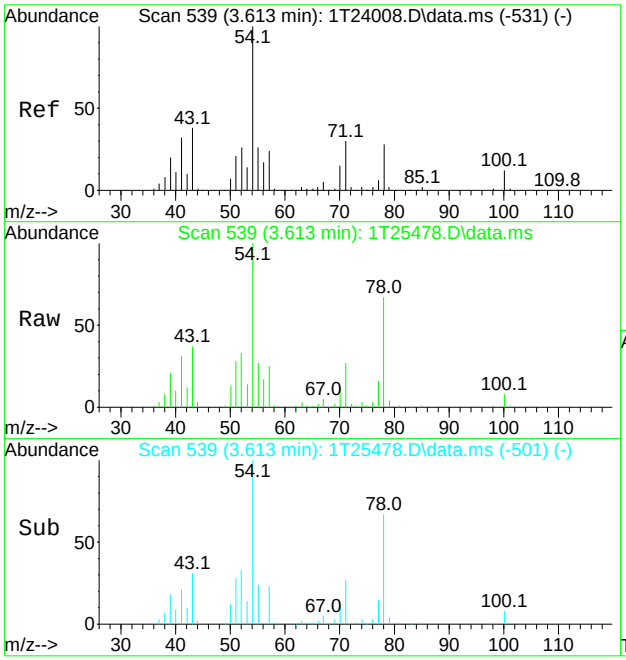


#54
tert-amyl methyl ether
Concen: 19.5469 ug/L
RT: 3.770 min Scan# 569
Delta R.T. 0.000 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion: 73 Resp: 130499

Ion	Ratio	Lower	Upper
73	100		
55	28.0	5.6	45.6
87	26.2	6.1	46.1

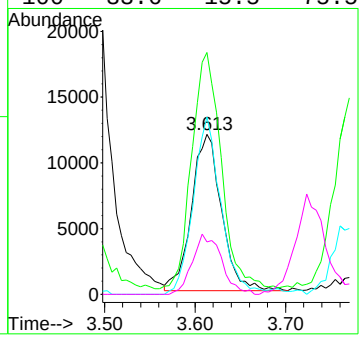


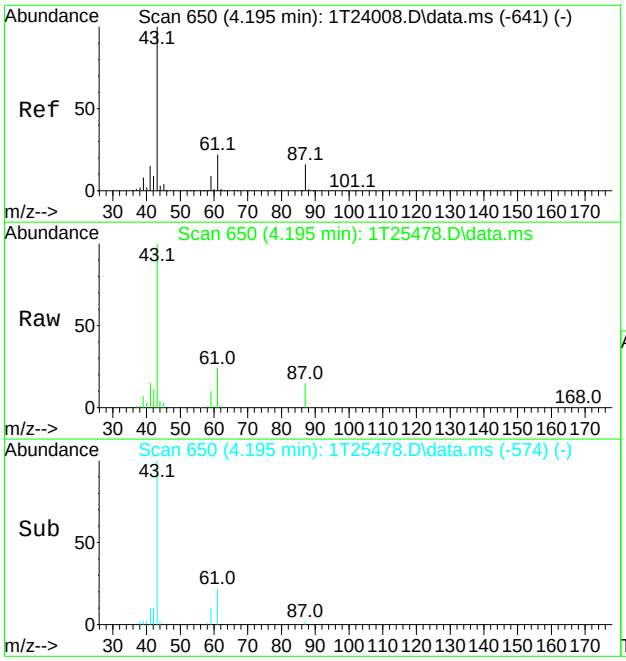


#55
heptane
Concen: 24.2157 ug/L
RT: 3.613 min Scan# 539
Delta R.T. 0.000 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion: 57 Resp: 27394

Ion	Ratio	Lower	Upper
57	100		
43	149.4	120.9	180.9
71	113.4	89.7	149.7
100	33.6	15.5	75.5

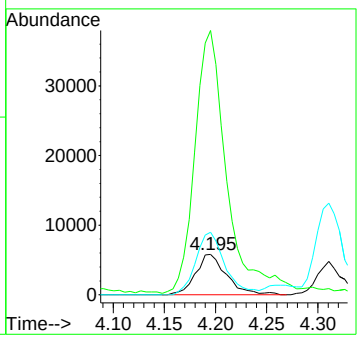


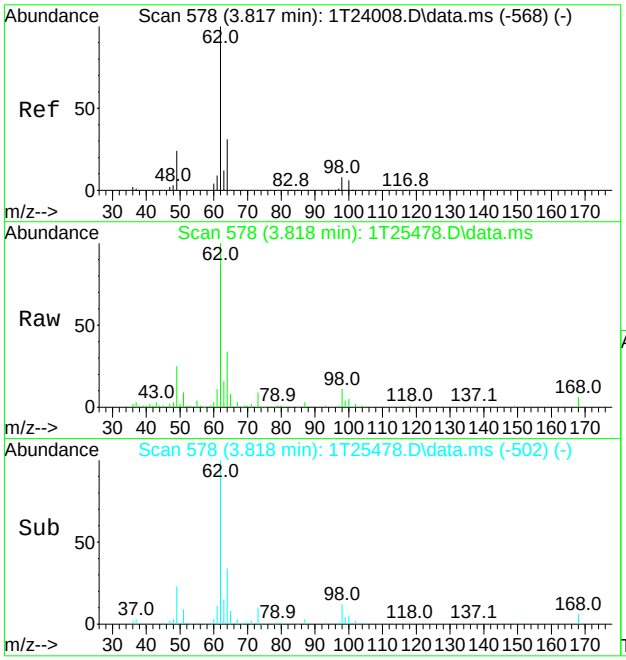


#56
isopropyl acetate
Concen: 16.9600 ug/L
RT: 4.195 min Scan# 650
Delta R.T. 0.000 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion: 87 Resp: 12212

Ion	Ratio	Lower	Upper
87	100		
43	648.9	606.7	666.7
61	154.2	109.0	169.0

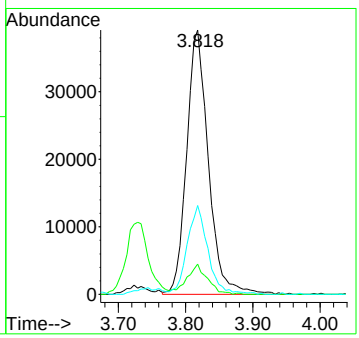


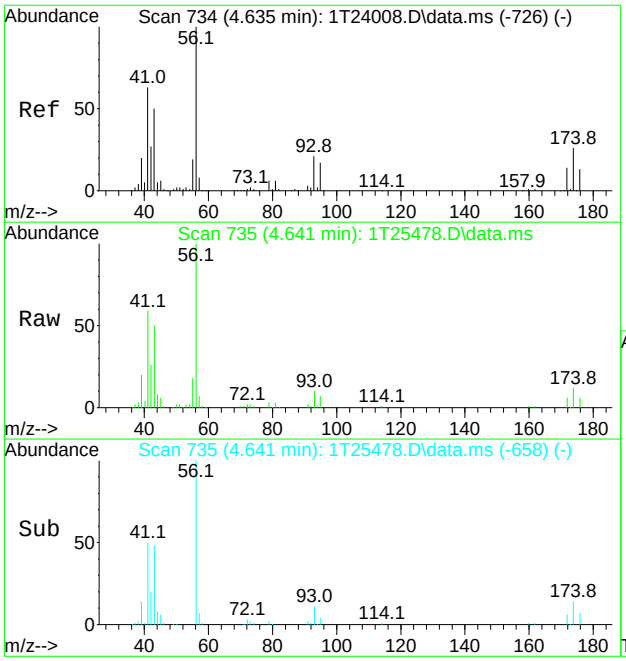


#57
1,2-dichloroethane
Concen: 20.0780 ug/L
RT: 3.818 min Scan# 578
Delta R.T. 0.001 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion: 62 Resp: 88002

Ion	Ratio	Lower	Upper
62	100		
98	11.5	0.0	39.3
64	33.7	1.8	61.8

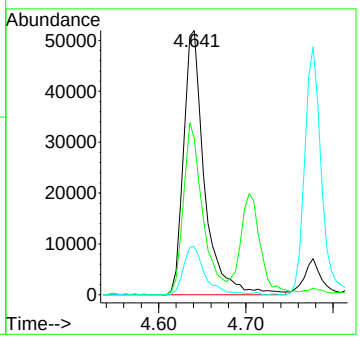


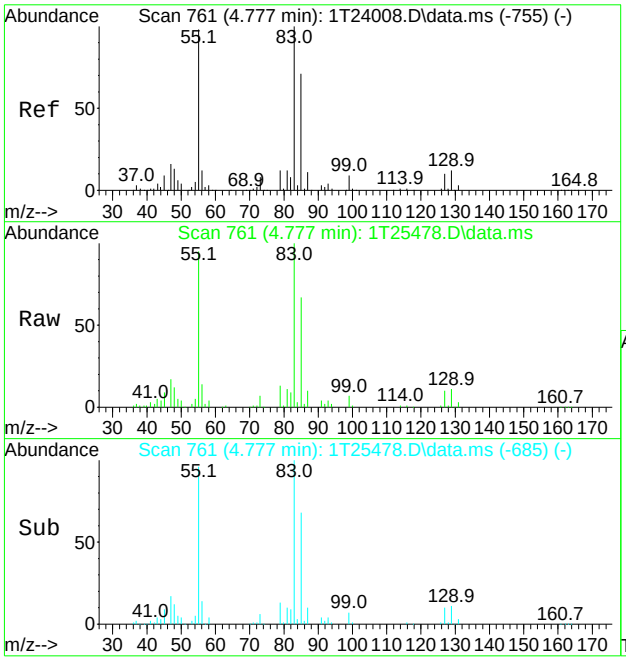


#58
n-butyl alcohol
Concen: 1111.6177 ug/L
RT: 4.641 min Scan# 735
Delta R.T. 0.006 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion: 56 Resp: 86623

Ion	Ratio	Lower	Upper
56	100		
41	59.1	42.6	82.6
55	18.3	0.0	38.9

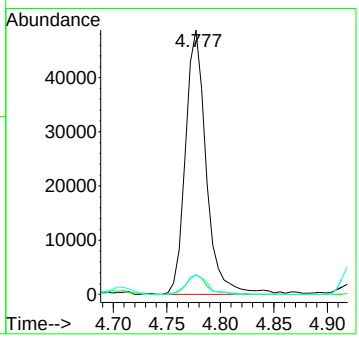


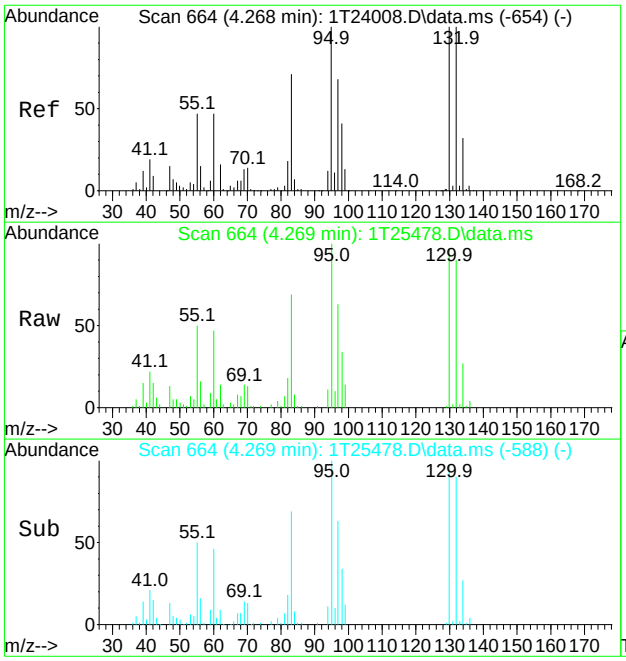


#59
ethyl acrylate
Concen: 20.8687 ug/L
RT: 4.777 min Scan# 761
Delta R.T. 0.000 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion: 55 Resp: 66189

Ion	Ratio	Lower	Upper
55	100		
73	7.5	0.0	37.8
99	7.3	0.0	39.3

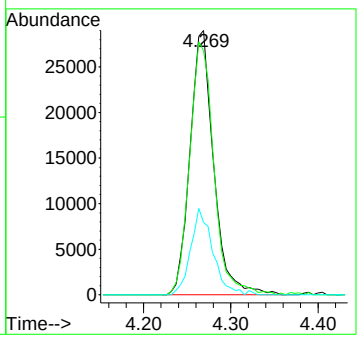


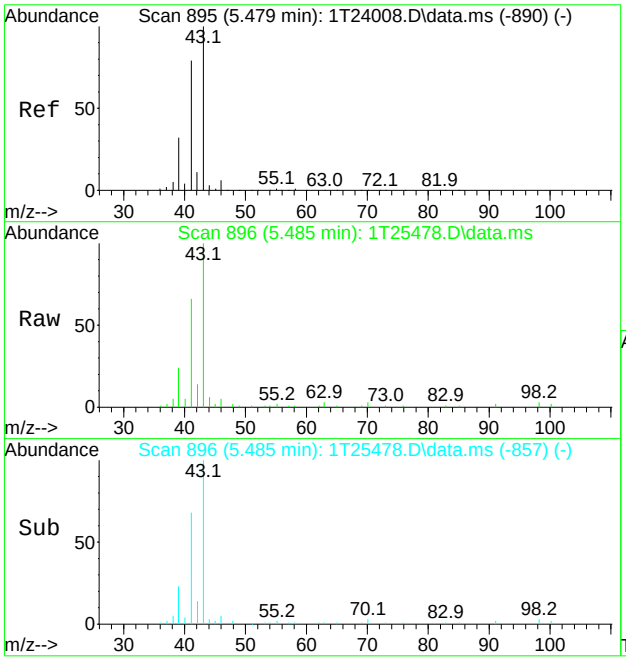


#60
trichloroethene
Concen: 19.8761 ug/L
RT: 4.269 min Scan# 664
Delta R.T. 0.000 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion:130 Resp: 54676

Ion	Ratio	Lower	Upper
130	100		
132	92.3	69.8	129.8
134	27.4	2.3	62.3

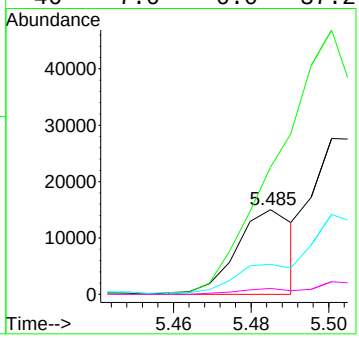


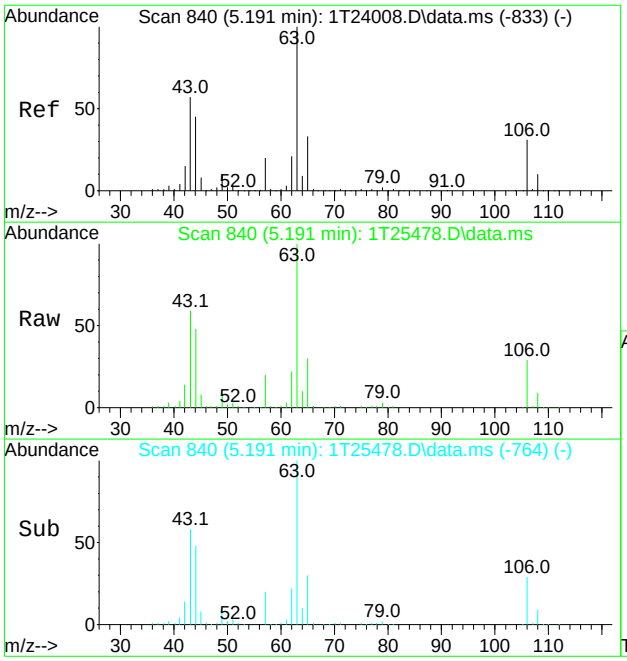


#61
2-nitropropane
Concen: 15.7132 ug/L m
RT: 5.485 min Scan# 896
Delta R.T. 0.006 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion: 41 Resp: 15356

Ion	Ratio	Lower	Upper
41	100		
43	150.6	96.2	156.2
39	35.5	11.9	71.9
46	7.0	0.0	37.2

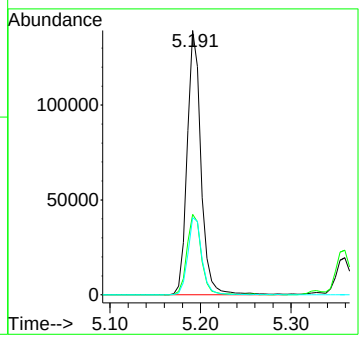


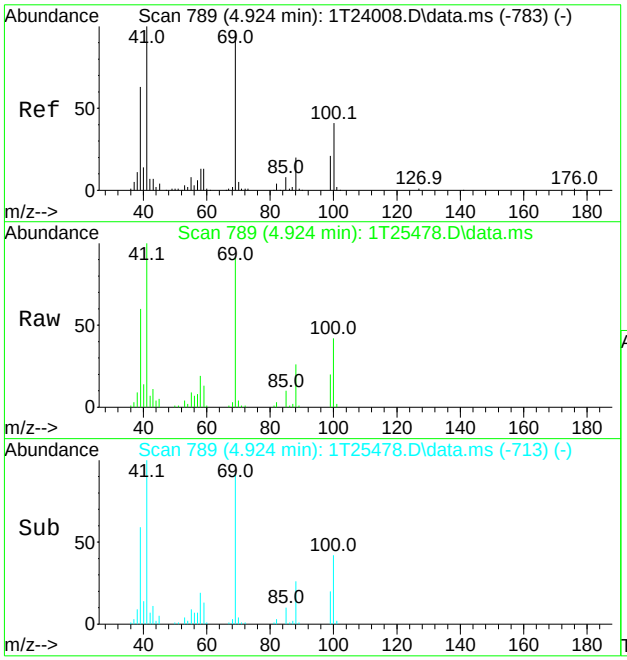


#62
2-chloroethyl vinyl ether
Concen: 87.8446 ug/L
RT: 5.191 min Scan# 840
Delta R.T. 0.000 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion: 63 Resp: 148669

Ion	Ratio	Lower	Upper
63	100		
65	30.4	2.7	62.7
106	29.1	0.6	60.6

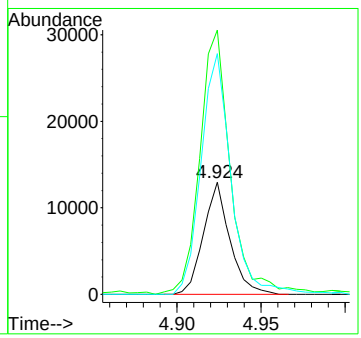


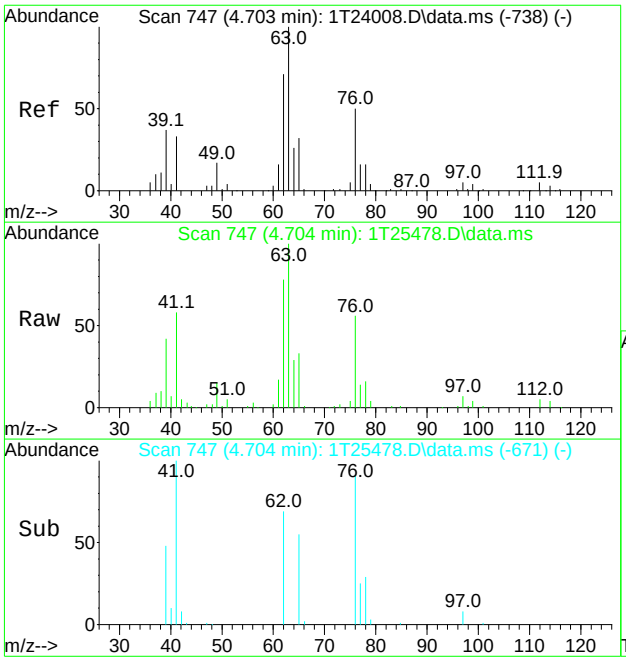


#63
methyl methacrylate
Concen: 17.6430 ug/L
RT: 4.924 min Scan# 789
Delta R.T. -0.000 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion:100 Resp: 14185

Ion	Ratio	Lower	Upper
100	100		
41	233.2	214.5	274.5
69	214.6	207.6	267.6

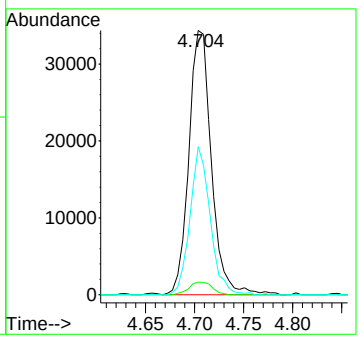


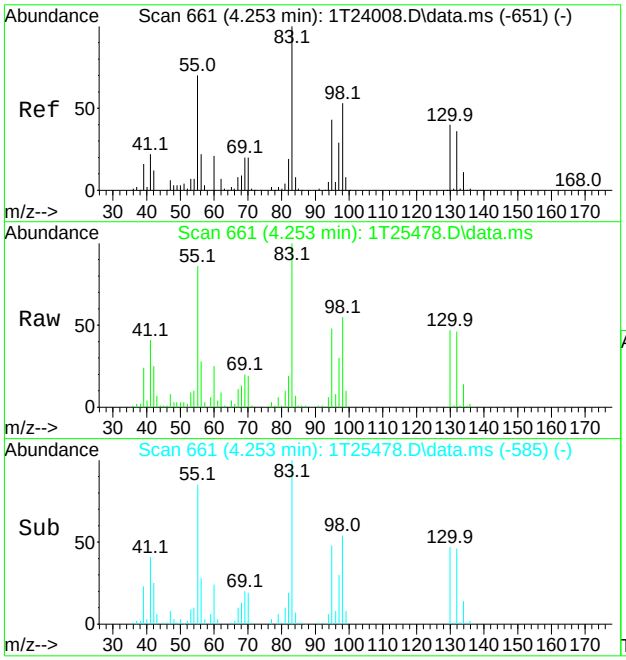


#64
1,2-dichloropropane
Concen: 21.3294 ug/L
RT: 4.704 min Scan# 747
Delta R.T. 0.001 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion: 63 Resp: 54882

Ion	Ratio	Lower	Upper
63	100		
112	4.8	0.0	34.7
76	55.9	20.1	80.1

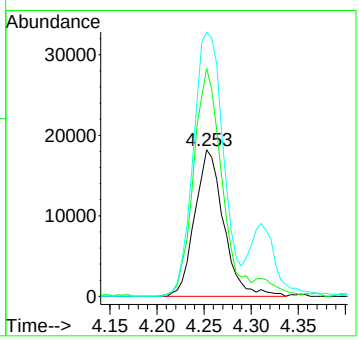


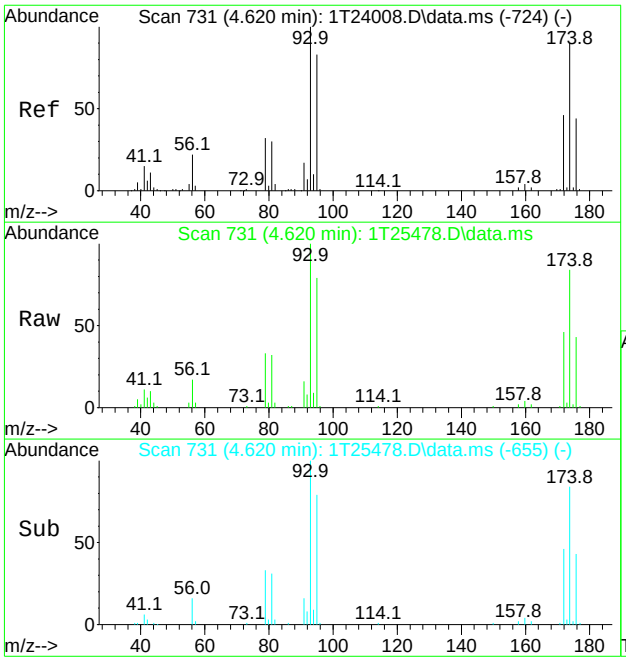


#65
methylcyclohexane
Concen: 20.1592 ug/L
RT: 4.253 min Scan# 661
Delta R.T. -0.000 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion: 98 Resp: 38809

Ion	Ratio	Lower	Upper
98	100		
55	154.8	102.6	162.6
83	180.5	188.2	188.2#

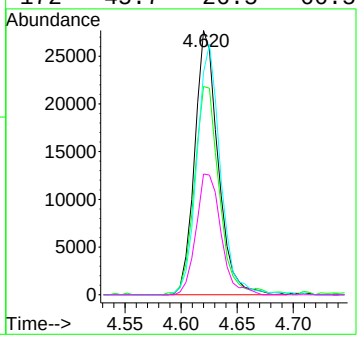


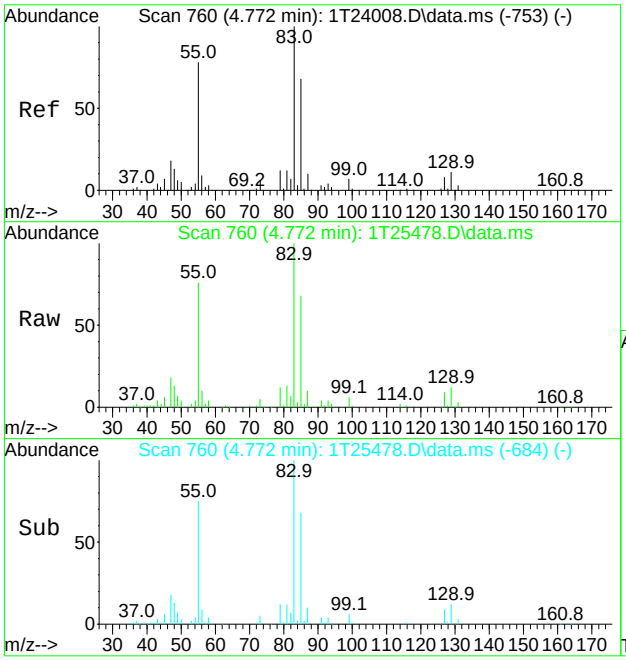


#66
dibromomethane
Concen: 18.5150 ug/L
RT: 4.620 min Scan# 731
Delta R.T. -0.000 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion: 93 Resp: 40227

Ion	Ratio	Lower	Upper
93	100		
95	78.7	53.3	113.3
174	84.2	59.6	119.6
172	45.7	26.5	66.5

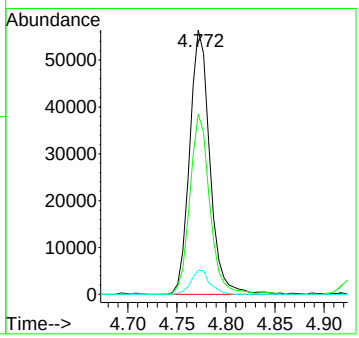


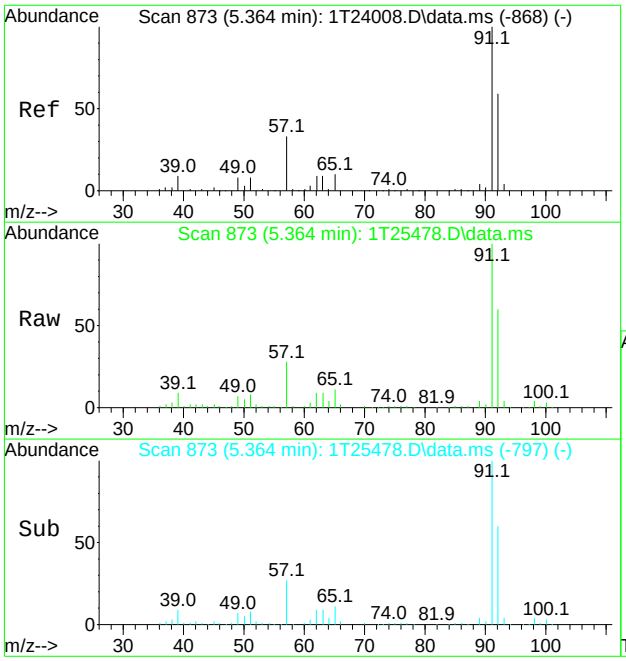


#67
bromodichloromethane
Concen: 19.7041 ug/L
RT: 4.772 min Scan# 760
Delta R.T. -0.000 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion: 83 Resp: 80903

Ion	Ratio	Lower	Upper
83	100		
85	68.1	38.0	98.0
127	9.2	0.0	38.3

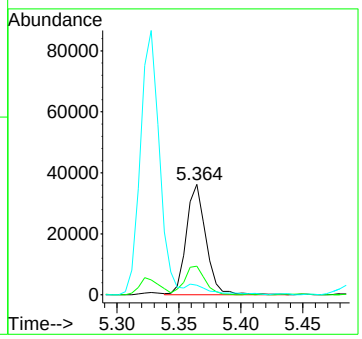


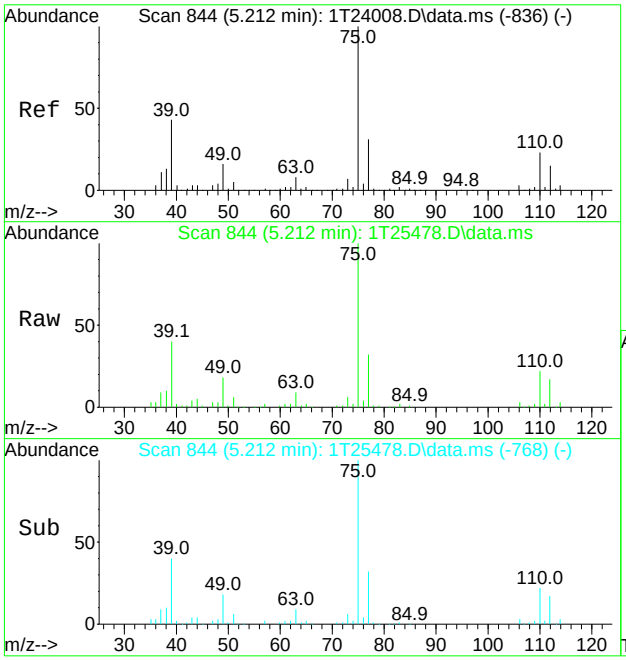


#68
epichlorohydrin
Concen: 105.5361 ug/L
RT: 5.364 min Scan# 873
Delta R.T. 0.000 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion: 57 Resp: 39837

Ion	Ratio	Lower	Upper
57	100		
49	25.3	5.6	45.6
42	7.7	0.0	29.5

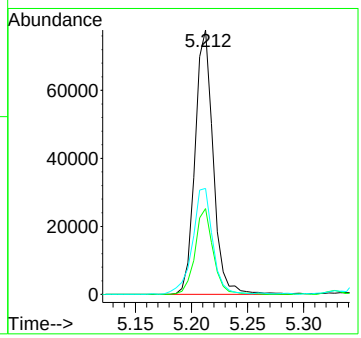


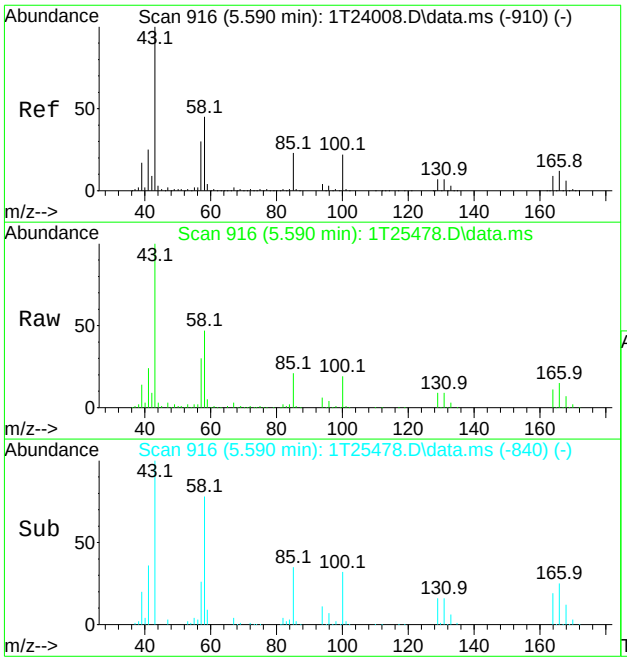


#69
cis-1,3-dichloropropene
Concen: 20.1441 ug/L
RT: 5.212 min Scan# 844
Delta R.T. 0.000 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion: 75 Resp: 87487

Ion	Ratio	Lower	Upper
75	100		
77	32.4	1.4	61.4
39	39.6	13.3	73.3

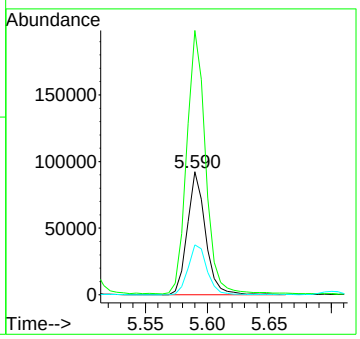


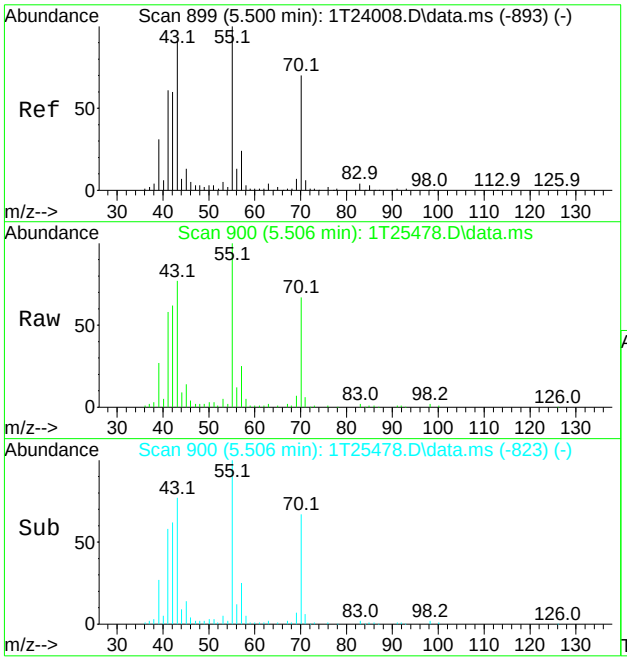


#70
4-methyl-2-pentanone
Concen: 83.2404 ug/L
RT: 5.590 min Scan# 916
Delta R.T. -0.000 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion: 58 Resp: 94278

Ion	Ratio	Lower	Upper
58	100		
43	214.3	192.2	252.2
100	40.7	18.2	78.2

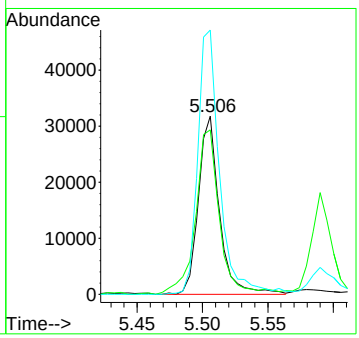


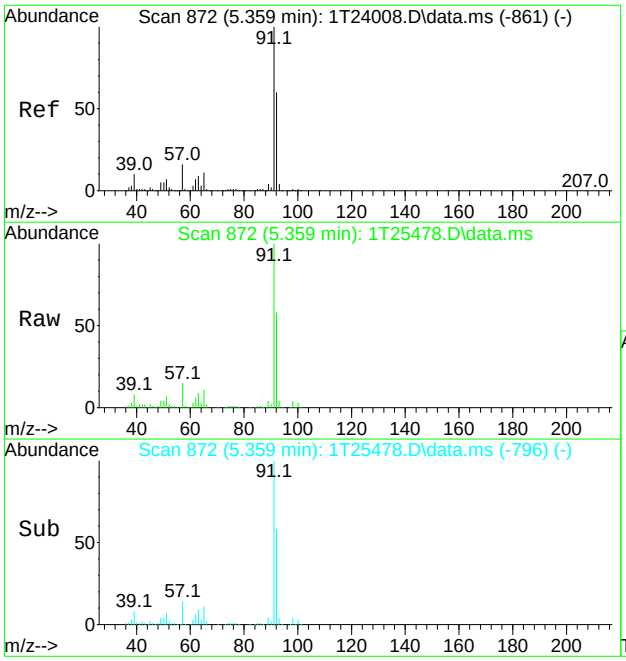


#71
3-methyl-1-butanol
Concen: 386.6140 ug/L
RT: 5.506 min Scan# 900
Delta R.T. 0.006 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion: 70 Resp: 35573

Ion	Ratio	Lower	Upper
70	100		
42	91.2	54.9	114.9
55	148.4	112.0	172.0

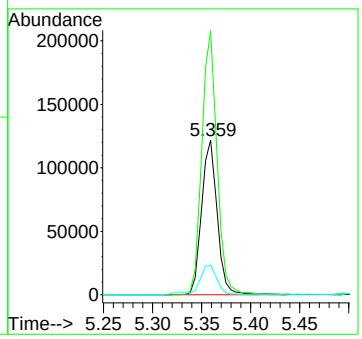


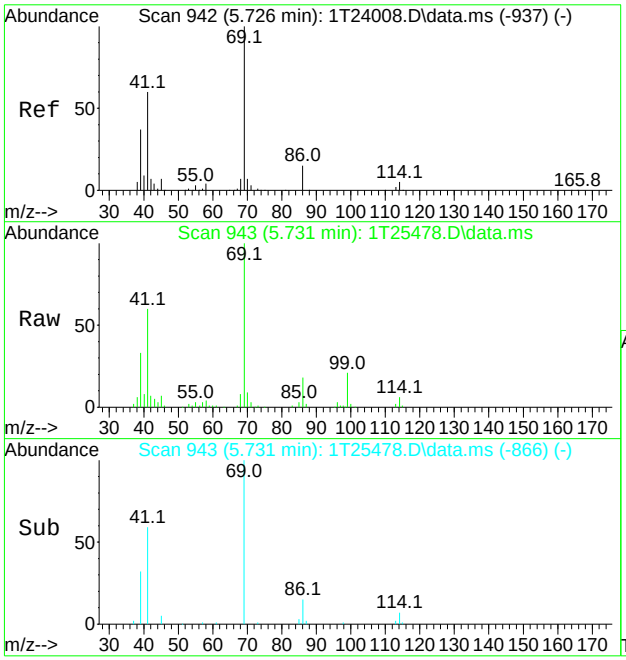


#74
toluene
Concen: 19.9100 ug/L
RT: 5.359 min Scan# 872
Delta R.T. 0.000 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion: 92 Resp: 134976

Ion	Ratio	Lower	Upper
92	100		
91	170.9	147.9	187.9
65	19.3	0.0	38.0

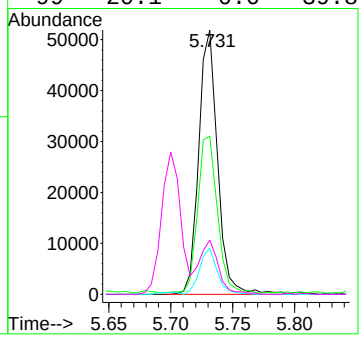


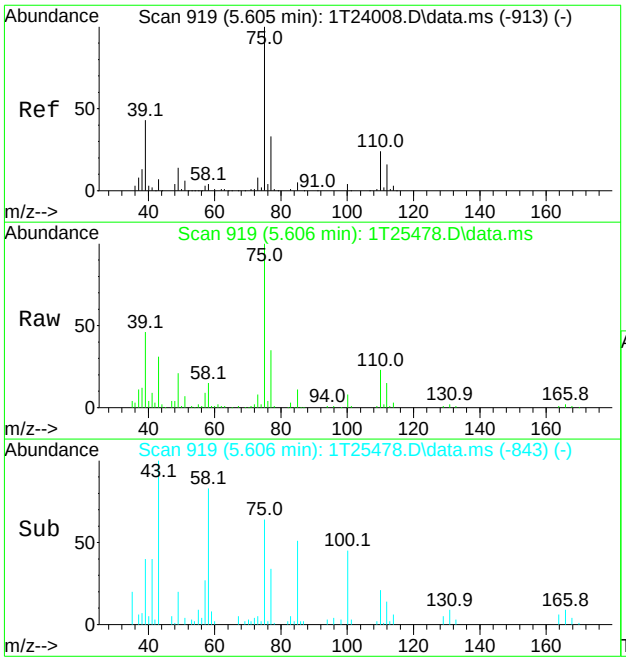


#75
ethyl methacrylate
Concen: 19.0471 ug/L
RT: 5.731 min Scan# 943
Delta R.T. 0.006 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion: 69 Resp: 55181

Ion	Ratio	Lower	Upper
69	100		
41	59.2	40.2	80.2
86	17.5	0.0	35.4
99	20.1	0.0	39.8

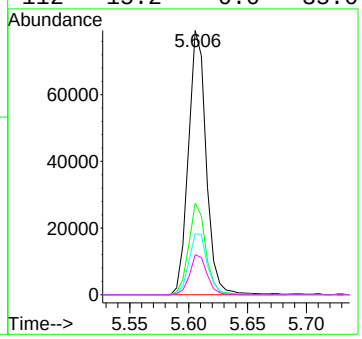


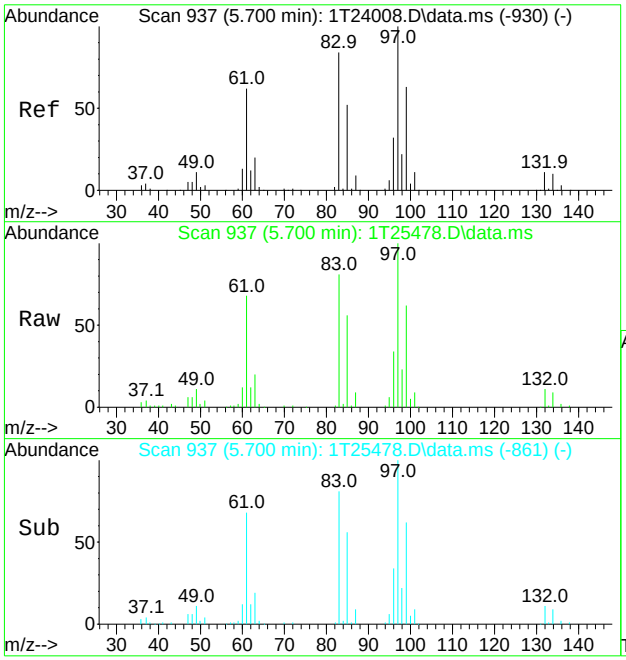


#76
trans-1,3-dichloropropene
Concen: 20.9452 ug/L
RT: 5.606 min Scan# 919
Delta R.T. 0.000 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion: 75 Resp: 83649

Ion	Ratio	Lower	Upper
75	100		
77	34.7	12.7	52.7
110	23.1	4.1	44.1
112	15.2	0.0	35.6

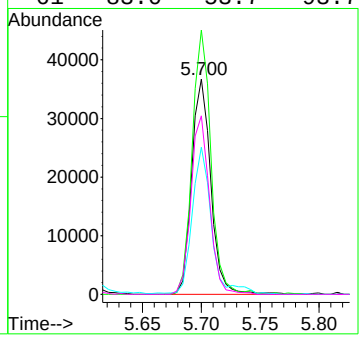


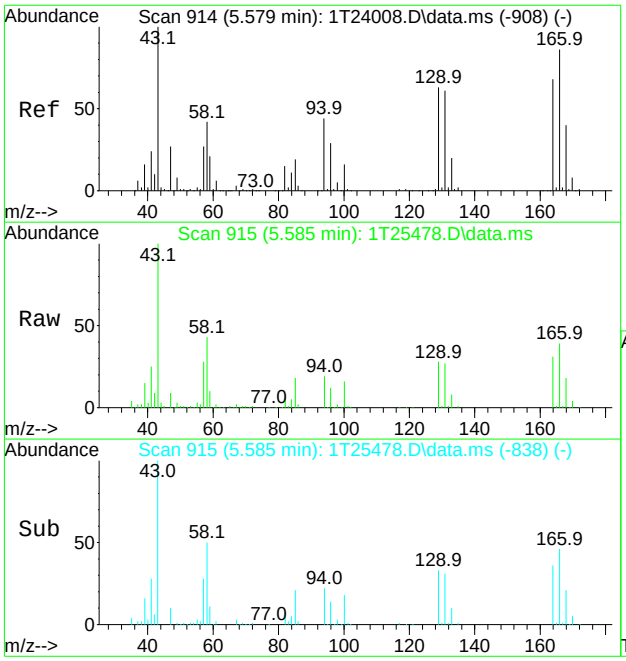


#77
1,1,2-trichloroethane
Concen: 20.4715 ug/L
RT: 5.700 min Scan# 937
Delta R.T. 0.000 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion: 83 Resp: 41603

Ion	Ratio	Lower	Upper
83	100		
97	122.9	98.8	138.8
85	68.4	41.6	81.6
61	83.0	53.7	93.7

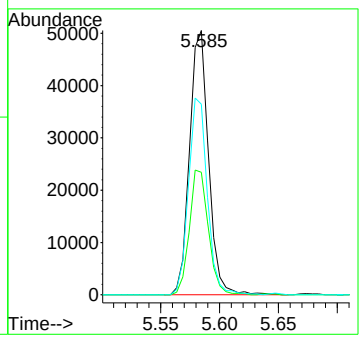


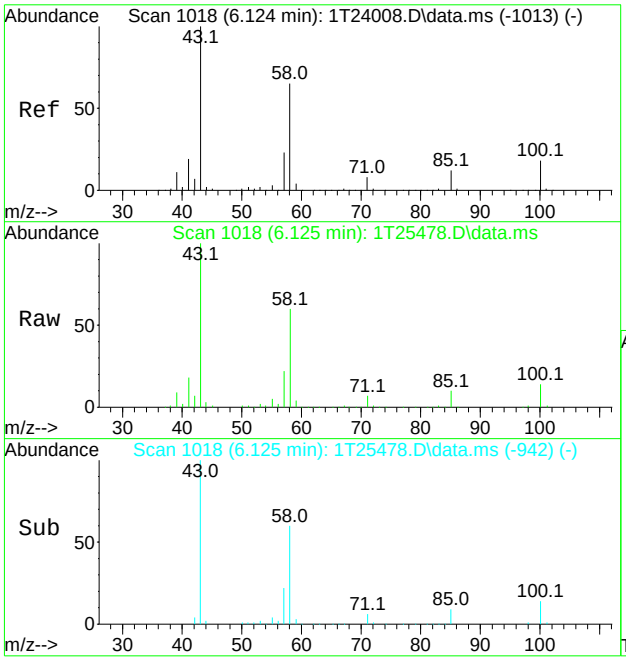


#78
tetrachloroethene
Concen: 20.0537 ug/L
RT: 5.585 min Scan# 915
Delta R.T. 0.006 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion:166 Resp: 56771

Ion	Ratio	Lower	Upper
166	100		
168	46.3	16.8	76.8
129	72.1	43.9	103.9

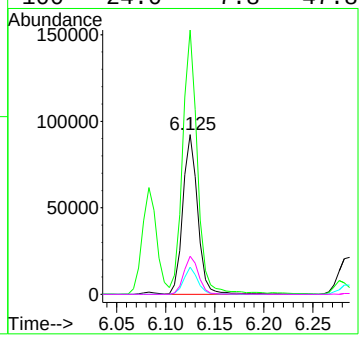


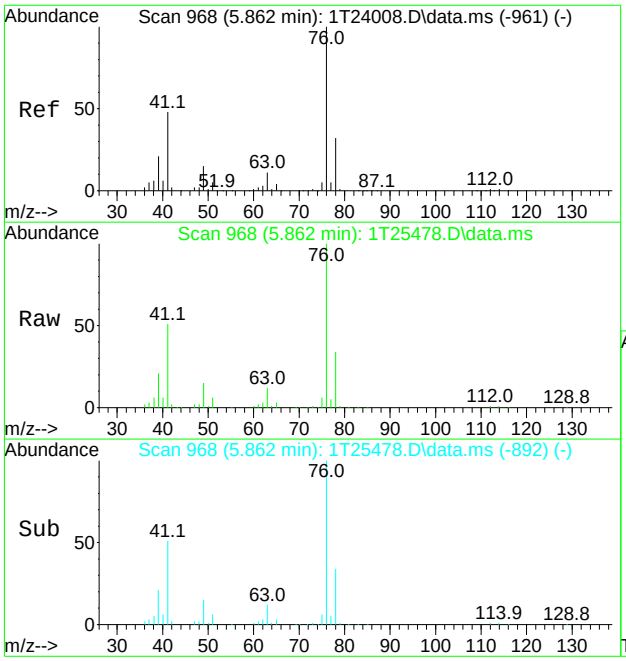


#79
2-hexanone
Concen: 91.9470 ug/L
RT: 6.125 min Scan# 1018
Delta R.T. 0.000 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion: 58 Resp: 97922

Ion	Ratio	Lower	Upper
58	100		
43	165.2	139.1	179.1
85	17.2	0.0	38.1
100	24.0	7.8	47.8

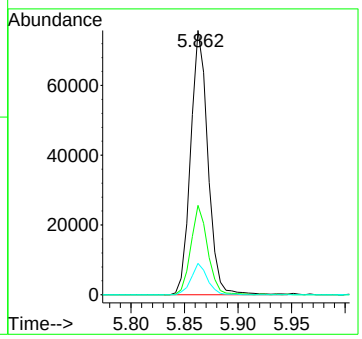


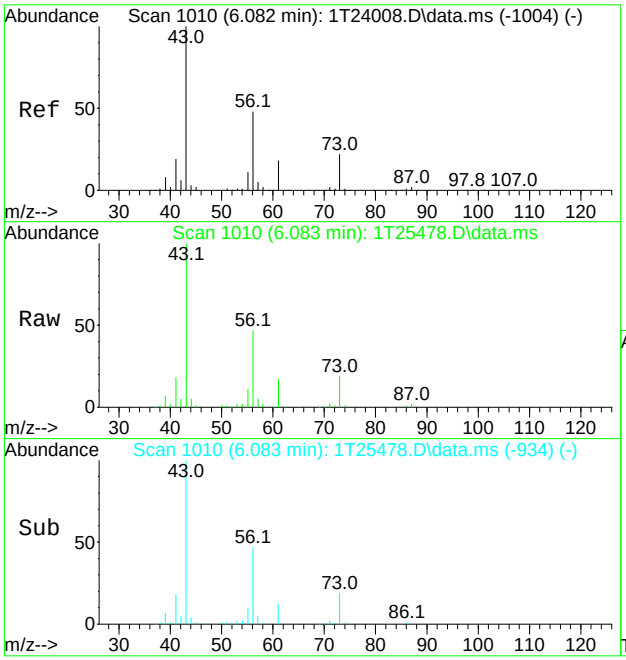


#80
1,3-dichloropropane
Concen: 20.6055 ug/L
RT: 5.862 min Scan# 968
Delta R.T. 0.000 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion: 76 Resp: 85298

Ion	Ratio	Lower	Upper
76	100		
78	33.8	2.1	62.1
63	11.9	0.0	40.7

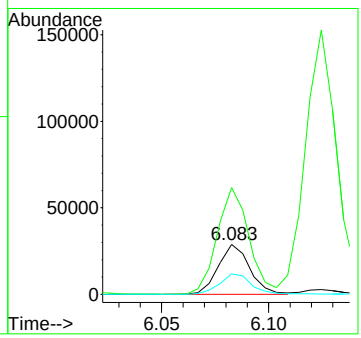


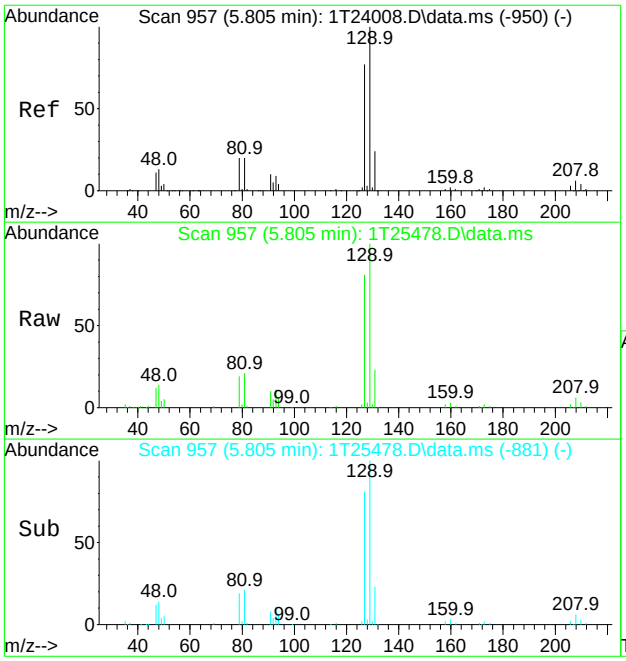


#81
butyl acetate
Concen: 20.6318 ug/L
RT: 6.083 min Scan# 1010
Delta R.T. 0.000 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion: 56 Resp: 29654

Ion	Ratio	Lower	Upper
56	100		
43	214.5	177.8	237.8
73	41.1	16.2	76.2

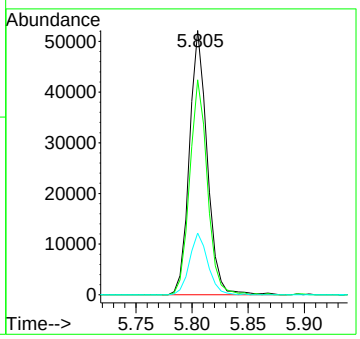


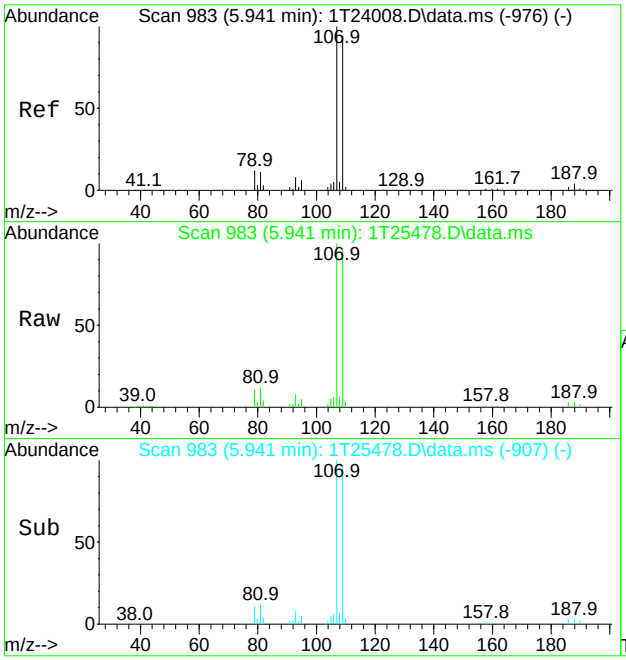


#82
dibromochloromethane
Concen: 18.7229 ug/L
RT: 5.805 min Scan# 957
Delta R.T. 0.000 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion:129 Resp: 57673

Ion	Ratio	Lower	Upper
129	100		
127	81.3	47.5	107.5
131	23.3	0.0	54.1

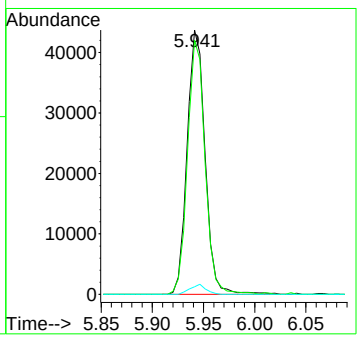


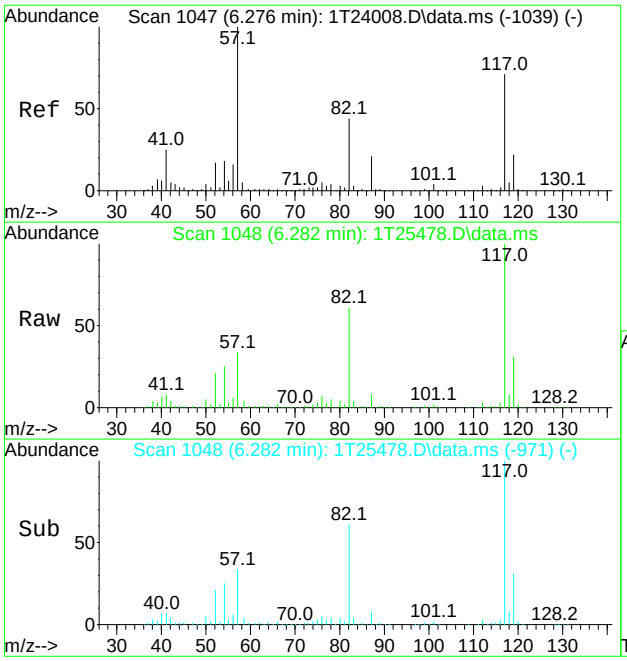


#83
1,2-dibromoethane
Concen: 19.9432 ug/L
RT: 5.941 min Scan# 983
Delta R.T. 0.000 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion:107 Resp: 53364

Ion	Ratio	Lower	Upper
107	100		
109	96.1	64.0	124.0
188	2.9	0.0	33.9

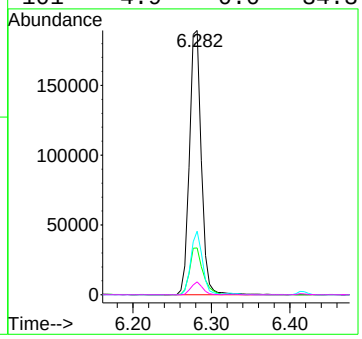


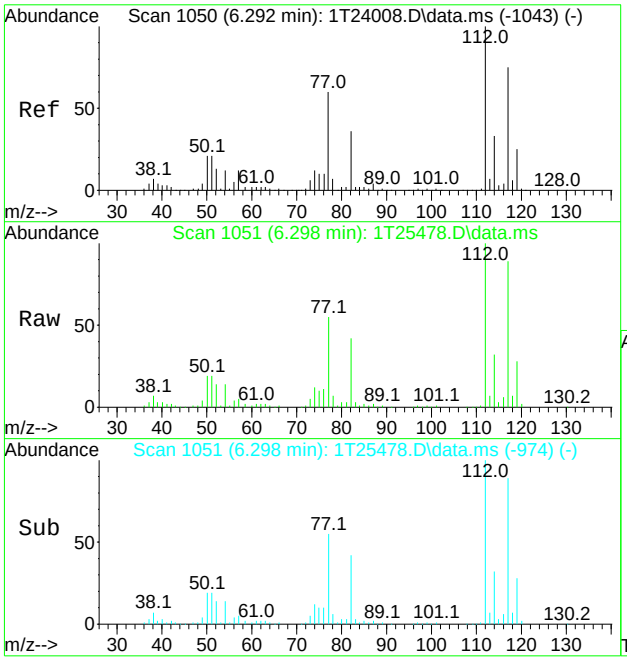


#84
n-butyl ether
Concen: 22.4308 ug/L
RT: 6.282 min Scan# 1048
Delta R.T. 0.006 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion: 57 Resp: 200483

Ion	Ratio	Lower	Upper
57	100		
56	17.7	0.0	46.4
87	24.1	0.0	51.4
101	4.9	0.0	34.3

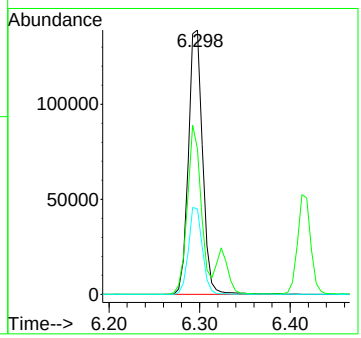


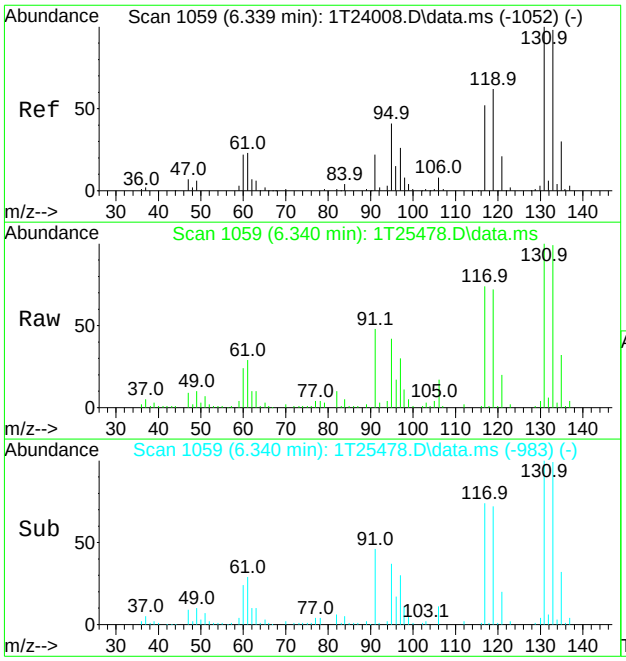


#85
chlorobenzene
Concen: 19.5293 ug/L
RT: 6.298 min Scan# 1051
Delta R.T. 0.006 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion:112 Resp: 153314

Ion	Ratio	Lower	Upper
112	100		
77	55.2	29.6	89.6
114	32.4	3.1	63.1

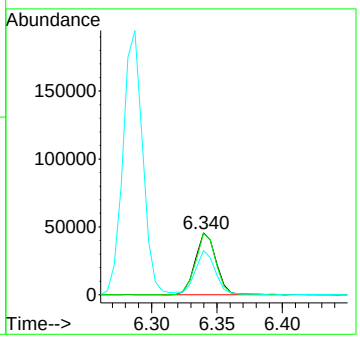


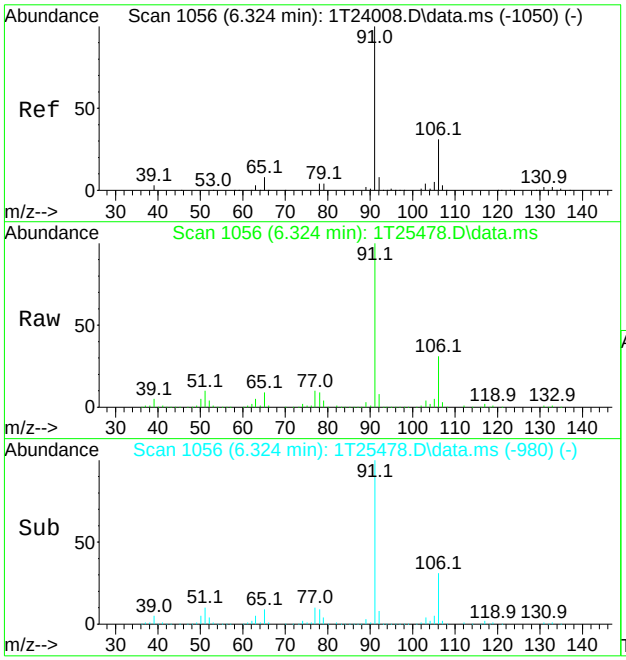


#86
1,1,1,2-tetrachloroethane
Concen: 18.6400 ug/L
RT: 6.340 min Scan# 1059
Delta R.T. 0.000 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion:131 Resp: 50762

Ion	Ratio	Lower	Upper
131	100		
133	99.4	67.5	127.5
119	71.6	36.1	96.1

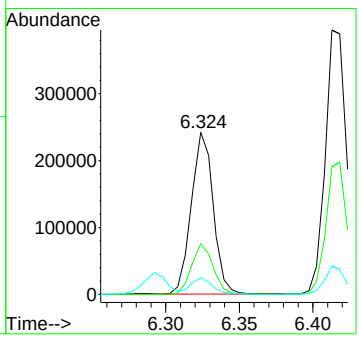


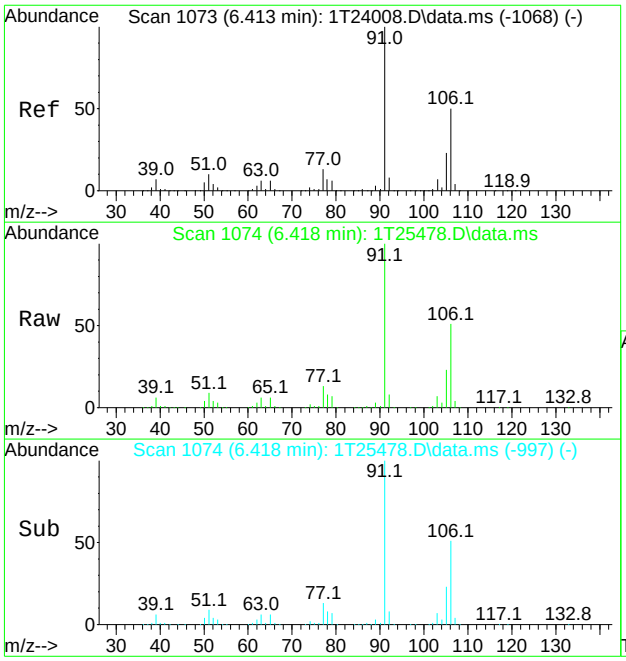


#87
ethylbenzene
Concen: 20.0290 ug/L
RT: 6.324 min Scan# 1056
Delta R.T. 0.000 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion: 91 Resp: 251888

Ion	Ratio	Lower	Upper
91	100		
106	31.5	1.3	61.3
51	10.2	0.0	39.0

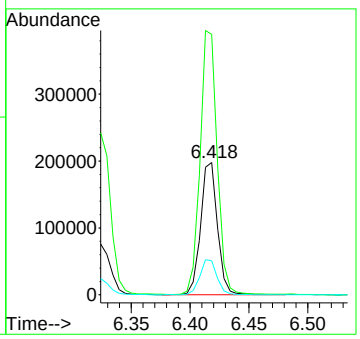


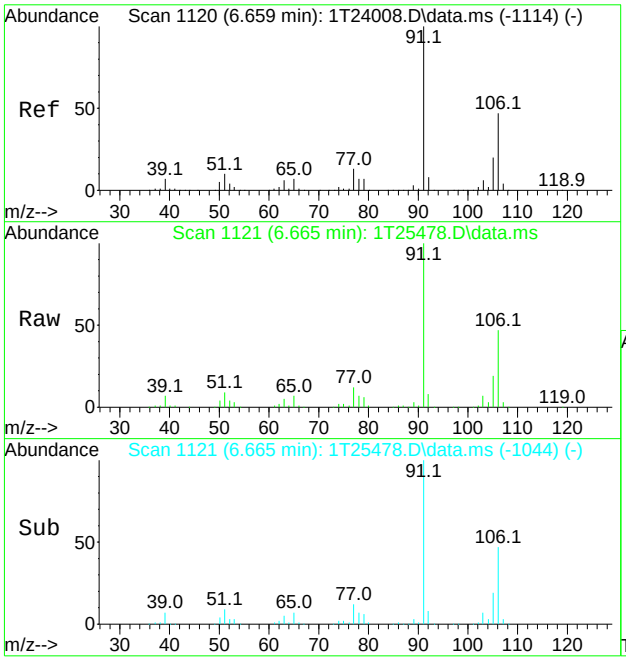


#88
m,p-xylene
Concen: 40.6642 ug/L
RT: 6.418 min Scan# 1074
Delta R.T. 0.006 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion:106 Resp: 197102

Ion	Ratio	Lower	Upper
106	100		
91	196.5	169.8	229.8
77	25.5	6.7	46.7

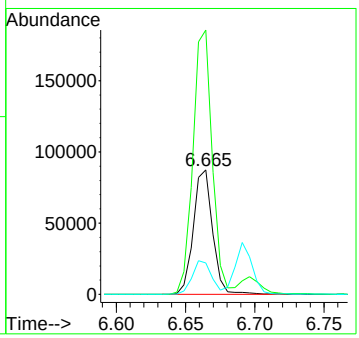


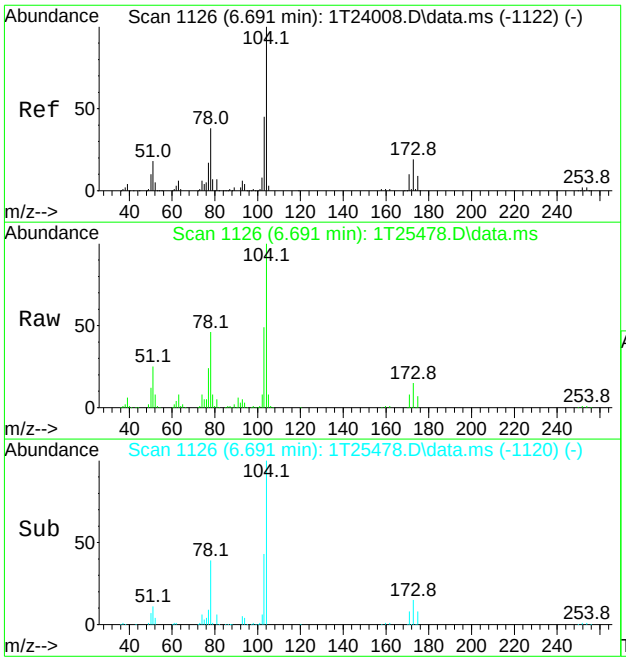


#89
o-xylene
Concen: 18.8470 ug/L
RT: 6.665 min Scan# 1121
Delta R.T. 0.006 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion:106 Resp: 84616

Ion	Ratio	Lower	Upper
106	100		
91	212.2	181.7	241.7
77	25.2	6.5	46.5

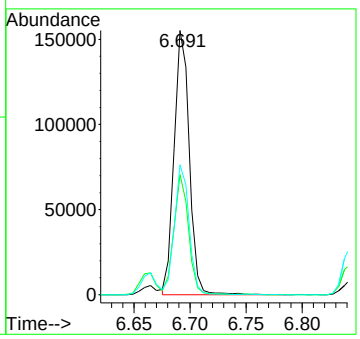


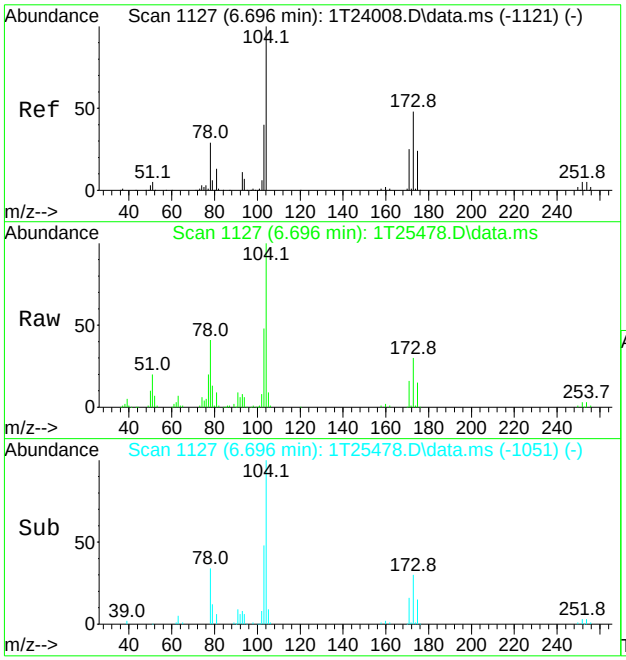


#90
styrene
Concen: 20.2529 ug/L
RT: 6.691 min Scan# 1126
Delta R.T. 0.000 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion:104 Resp: 146594

Ion	Ratio	Lower	Upper
104	100		
78	45.3	9.6	69.6
103	49.2	16.5	76.5

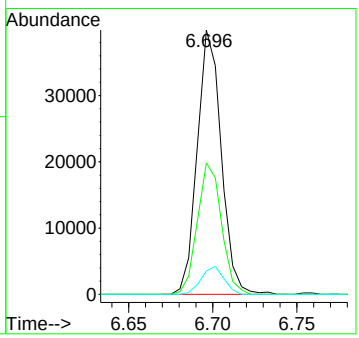


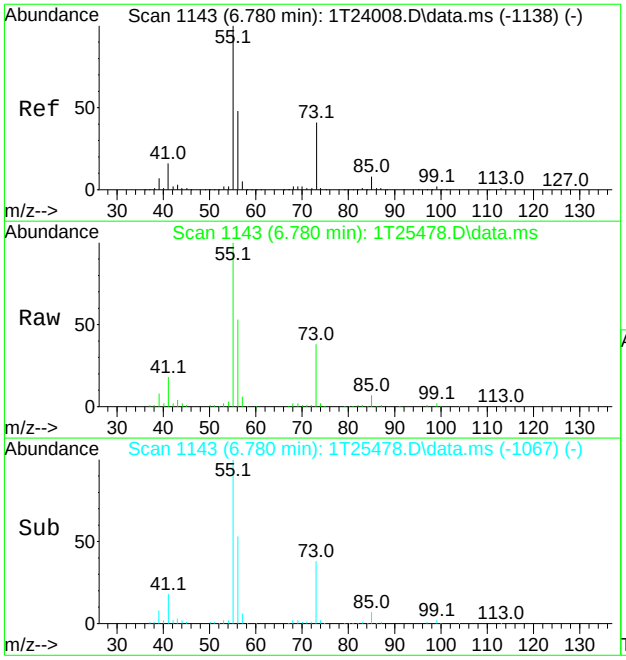


#91
bromoform
Concen: 16.8988 ug/L
RT: 6.696 min Scan# 1127
Delta R.T. 0.000 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion:173 Resp: 39636

Ion	Ratio	Lower	Upper
173	100		
175	49.7	19.5	79.5
254	8.8	0.0	40.4

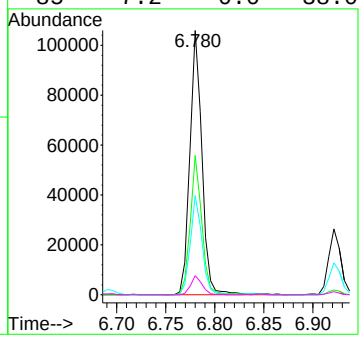


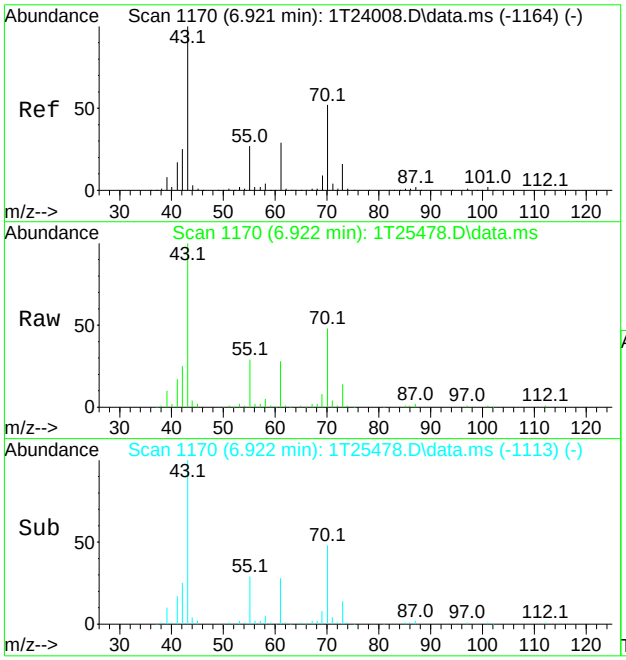


#92
butyl acrylate
Concen: 21.5367 ug/L
RT: 6.780 min Scan# 1143
Delta R.T. 0.000 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion: 55 Resp: 91446

Ion	Ratio	Lower	Upper
55	100		
56	52.7	18.5	78.5
73	37.6	10.6	70.6
85	7.2	0.0	38.0

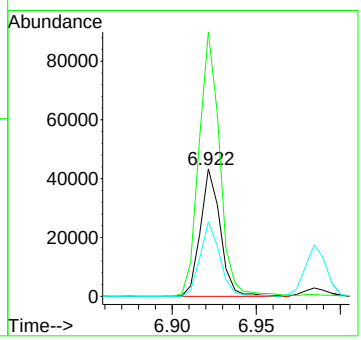


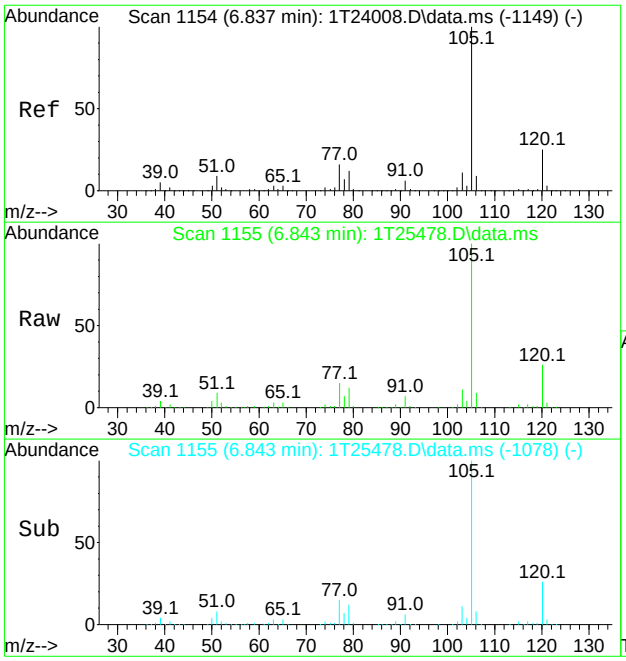


#93
n-amyl acetate
Concen: 19.7519 ug/L
RT: 6.922 min Scan# 1170
Delta R.T. 0.000 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion: 70 Resp: 35715

Ion	Ratio	Lower	Upper
70	100		
43	207.4	171.9	211.9
61	58.6	35.4	75.4

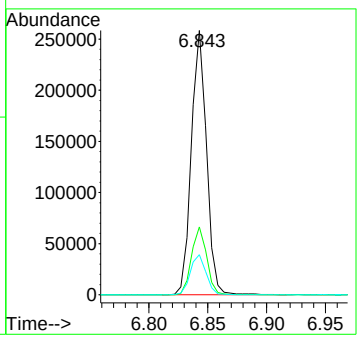


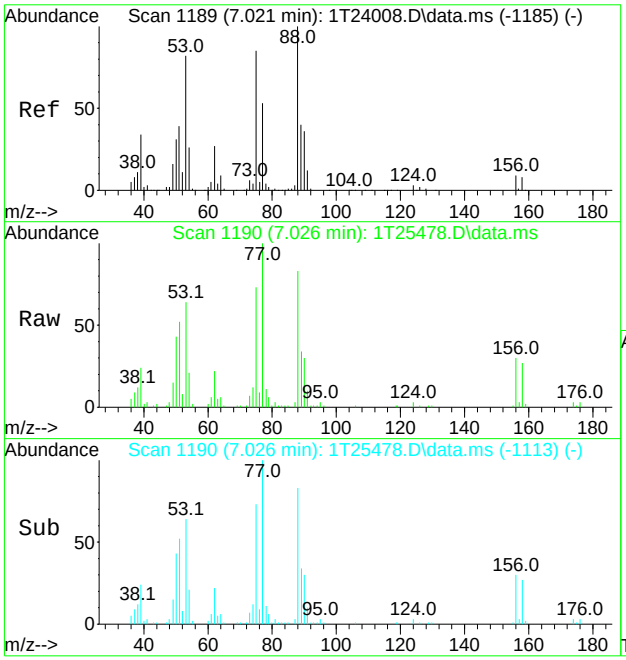


#94
isopropylbenzene
Concen: 20.3369 ug/L
RT: 6.843 min Scan# 1155
Delta R.T. 0.006 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion:105 Resp: 232052

Ion	Ratio	Lower	Upper
105	100		
120	25.7	5.3	45.3
77	15.2	0.0	36.1

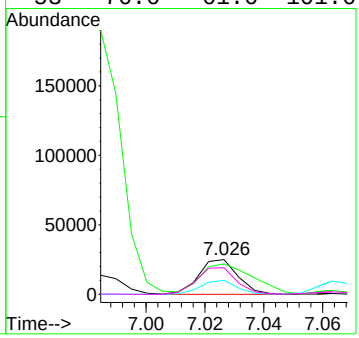


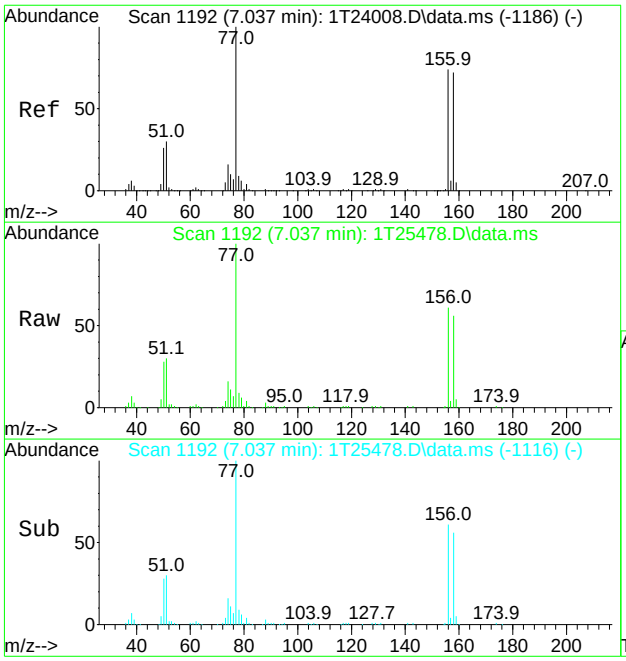


#95
cis-1,4-dichloro-2-butene
Concen: 16.7731 ug/L
RT: 7.026 min Scan# 1190
Delta R.T. 0.006 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion: 88 Resp: 23257

Ion	Ratio	Lower	Upper
88	100		
75	81.5	67.1	107.1
89	40.4	19.7	59.7
53	76.6	61.6	101.6

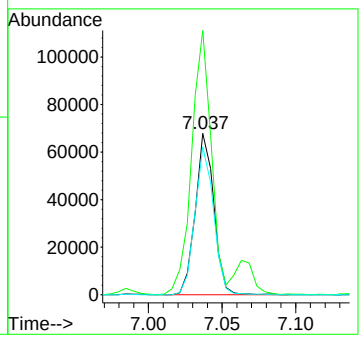


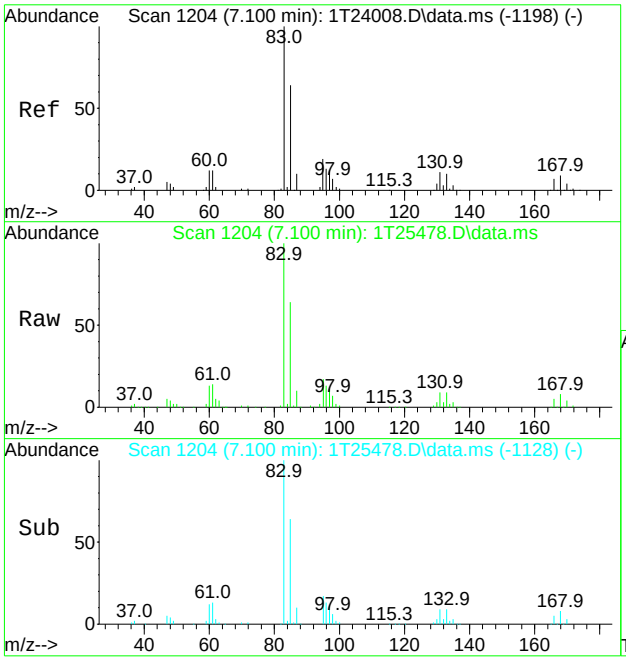


#98
bromobenzene
Concen: 19.1109 ug/L
RT: 7.037 min Scan# 1192
Delta R.T. 0.000 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion:156 Resp: 59318

Ion	Ratio	Lower	Upper
156	100		
77	163.1	104.6	164.6
158	91.5	67.1	127.1

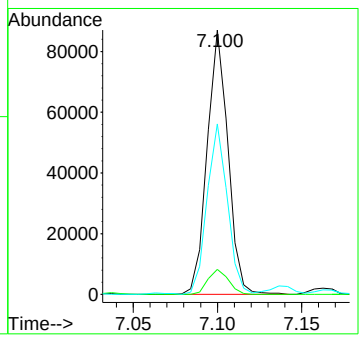


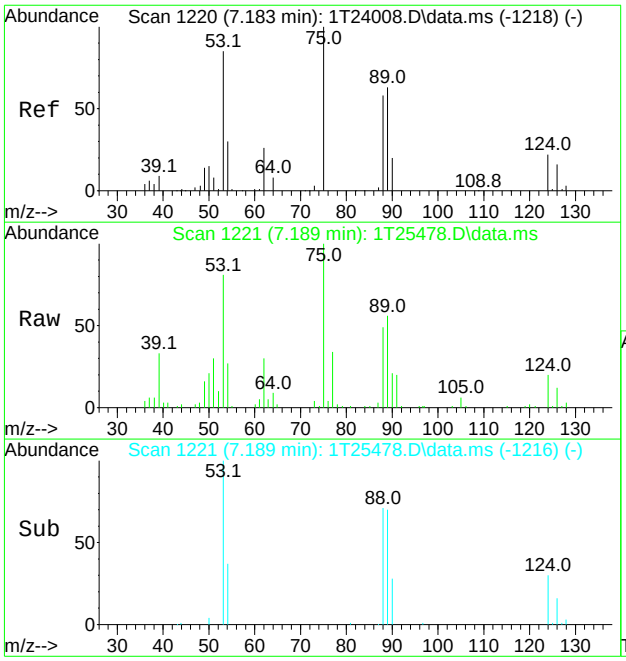


#99
1,1,2,2-tetrachloroethane
Concen: 19.6328 ug/L
RT: 7.100 min Scan# 1204
Delta R.T. 0.000 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion: 83 Resp: 75112

Ion	Ratio	Lower	Upper
83	100		
131	9.5	0.0	40.9
85	64.1	34.4	94.4

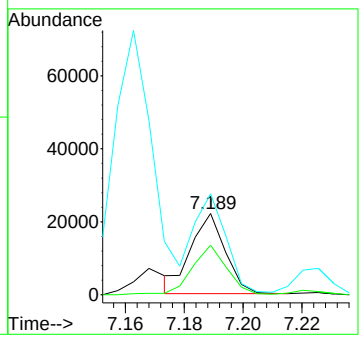


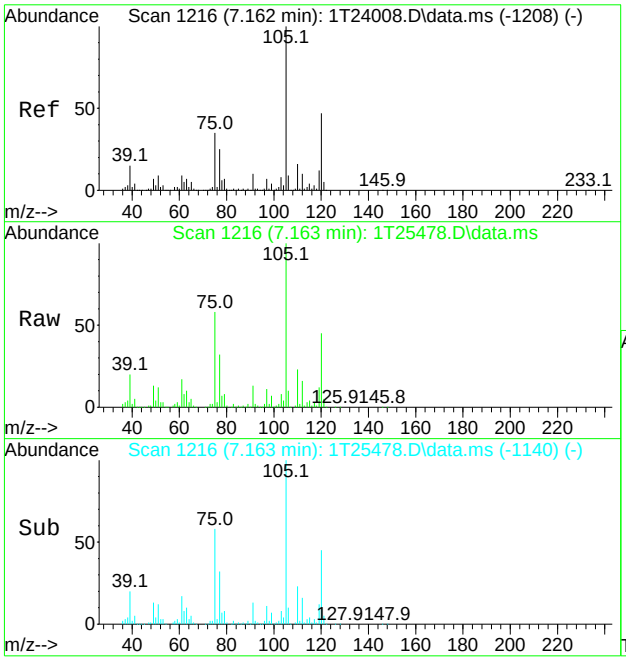


#100
trans-1,4-dichloro-2-butene
Concen: 18.0685 ug/L
RT: 7.189 min Scan# 1221
Delta R.T. 0.006 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion: 53 Resp: 17749

Ion	Ratio	Lower	Upper
53	100		
88	60.1	29.6	89.6
75	115.3	97.1	157.1

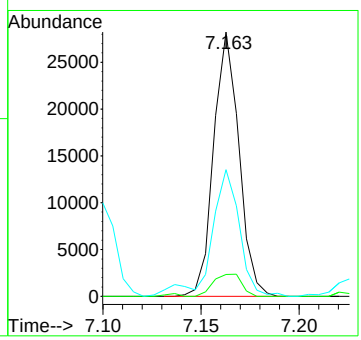


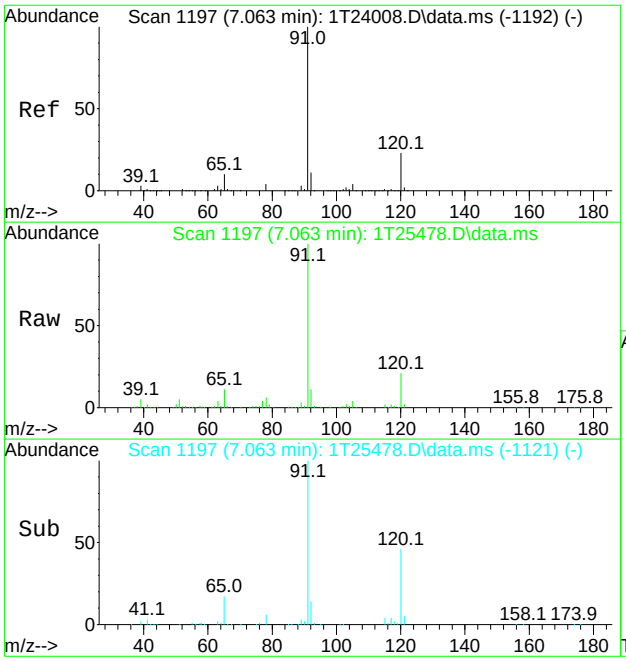


#101
1,2,3-trichloropropane
Concen: 18.6287 ug/L
RT: 7.163 min Scan# 1216
Delta R.T. 0.000 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion:110 Resp: 25344

Ion	Ratio	Lower	Upper
110	100		
111	8.3	0.0	39.0
97	47.9	15.1	75.1

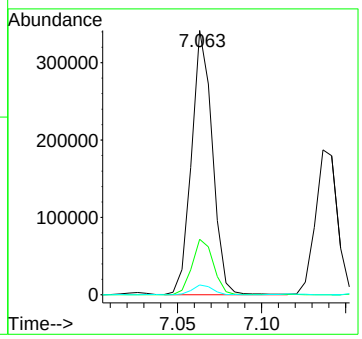


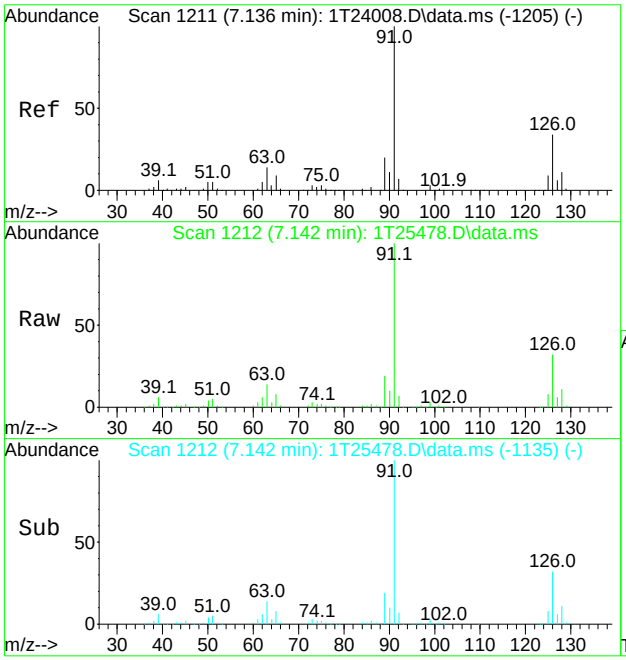


#102
n-propylbenzene
Concen: 21.3950 ug/L
RT: 7.063 min Scan# 1197
Delta R.T. 0.000 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion: 91 Resp: 293822

Ion	Ratio	Lower	Upper
91	100		
120	21.1	0.0	53.1
105	3.7	0.0	33.9

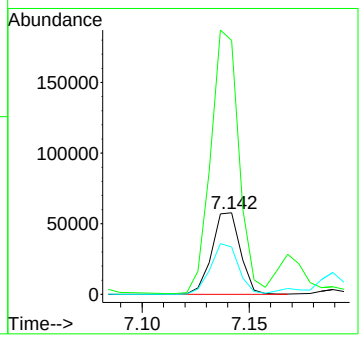


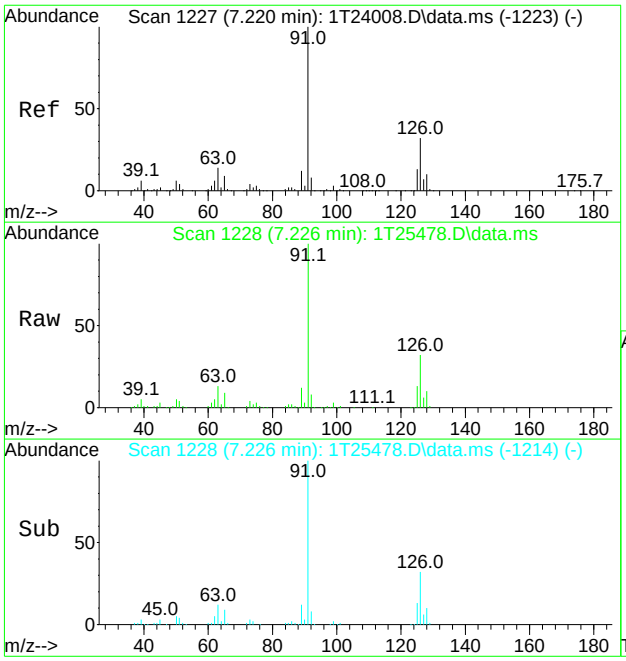


#103
2-chlorotoluene
Concen: 19.2279 ug/L
RT: 7.142 min Scan# 1212
Delta R.T. 0.006 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion:126 Resp: 53770

Ion	Ratio	Lower	Upper
126	100		
91	309.9	263.0	323.0
89	58.0	27.6	87.6

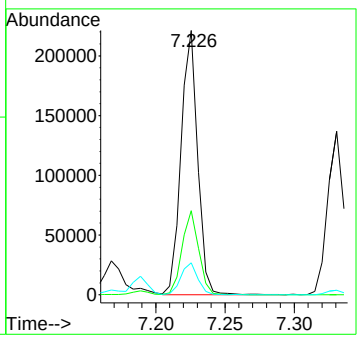


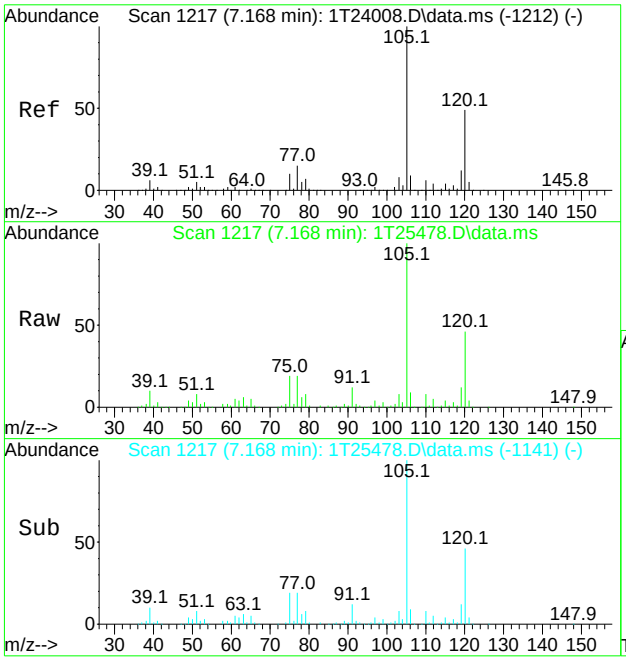


#104
4-chlorotoluene
Concen: 21.3182 ug/L
RT: 7.226 min Scan# 1228
Delta R.T. 0.006 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion: 91 Resp: 185648

Ion	Ratio	Lower	Upper
91	100		
126	31.8	2.2	62.2
89	12.1	0.0	42.5

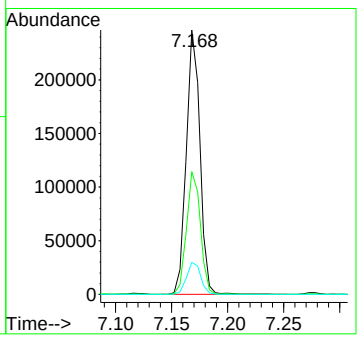


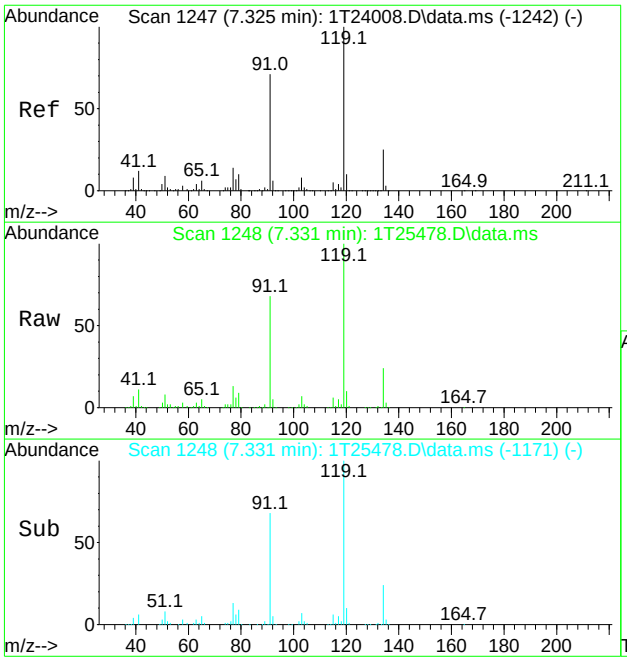


#105
1,3,5-trimethylbenzene
Concen: 21.9234 ug/L
RT: 7.168 min Scan# 1217
Delta R.T. 0.000 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion:105 Resp: 208664

Ion	Ratio	Lower	Upper
105	100		
120	46.4	19.0	79.0
119	12.1	0.0	42.2

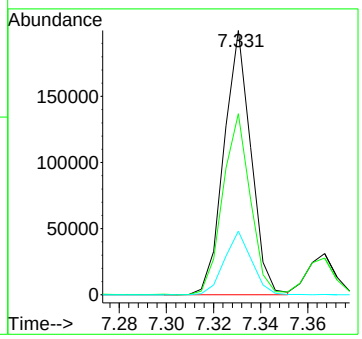


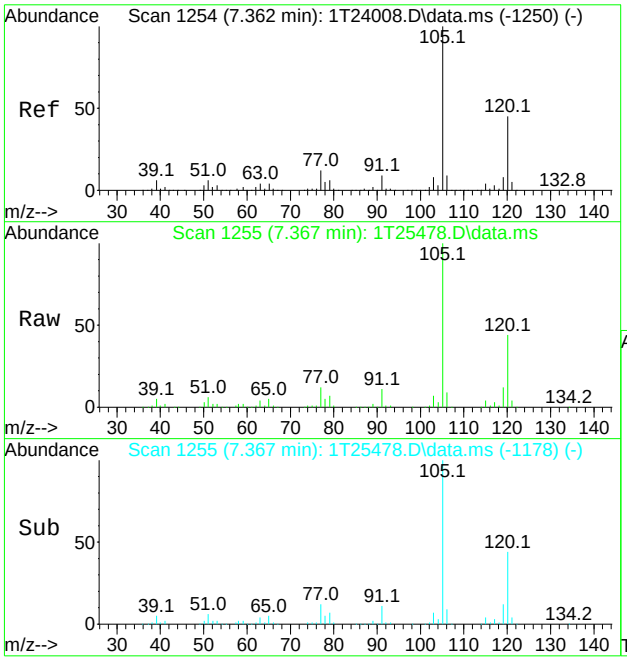


#106
tert-butylbenzene
Concen: 21.1618 ug/L
RT: 7.331 min Scan# 1248
Delta R.T. 0.006 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion:119 Resp: 159343

Ion	Ratio	Lower	Upper
119	100		
91	68.2	40.9	100.9
134	24.1	0.0	54.5

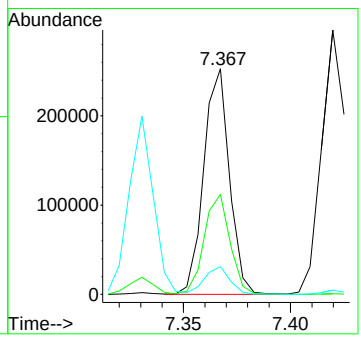


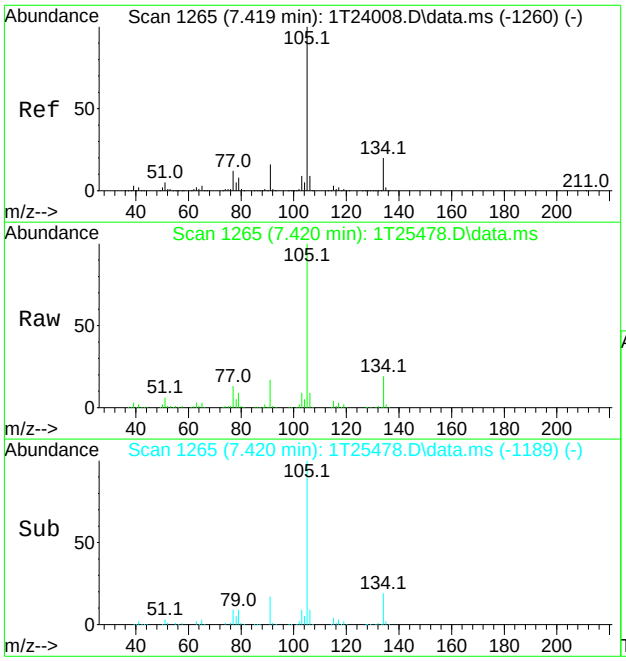


#107
1,2,4-trimethylbenzene
Concen: 21.9646 ug/L
RT: 7.367 min Scan# 1255
Delta R.T. 0.006 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion:105 Resp: 211198

Ion	Ratio	Lower	Upper
105	100		
120	44.4	15.8	75.8
119	12.3	0.0	42.2

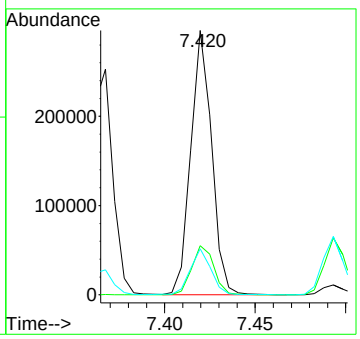


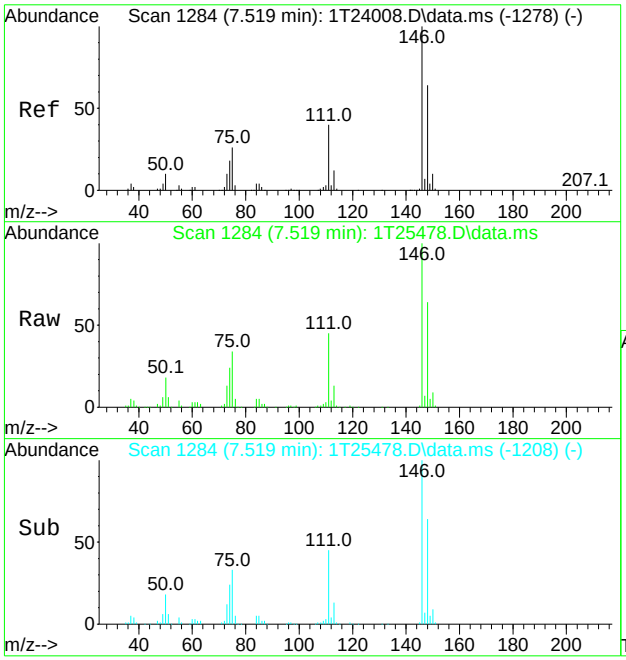


#108
sec-butylbenzene
Concen: 22.1348 ug/L
RT: 7.420 min Scan# 1265
Delta R.T. 0.000 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion:105 Resp: 238584

Ion	Ratio	Lower	Upper
105	100		
134	18.6	0.0	50.4
91	17.4	0.0	45.8

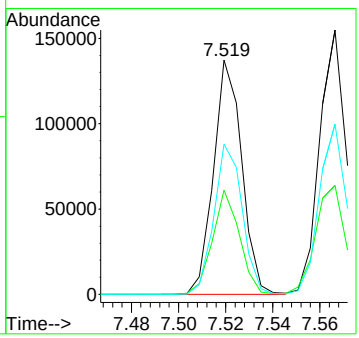


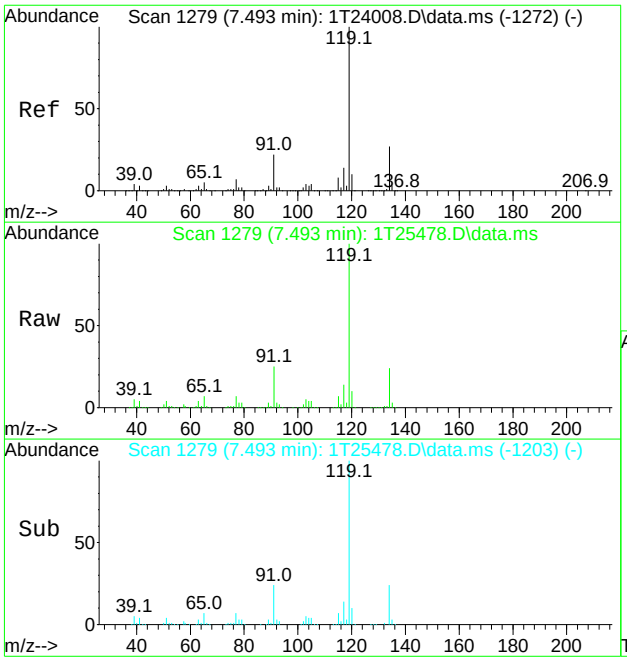


#109
1,3-dichlorobenzene
Concen: 19.8436 ug/L
RT: 7.519 min Scan# 1284
Delta R.T. 0.000 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion:146 Resp: 114678

Ion	Ratio	Lower	Upper
146	100		
111	44.5	9.6	69.6
148	64.1	33.7	93.7

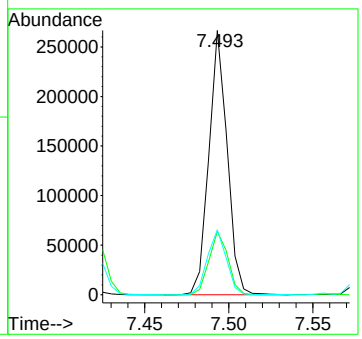


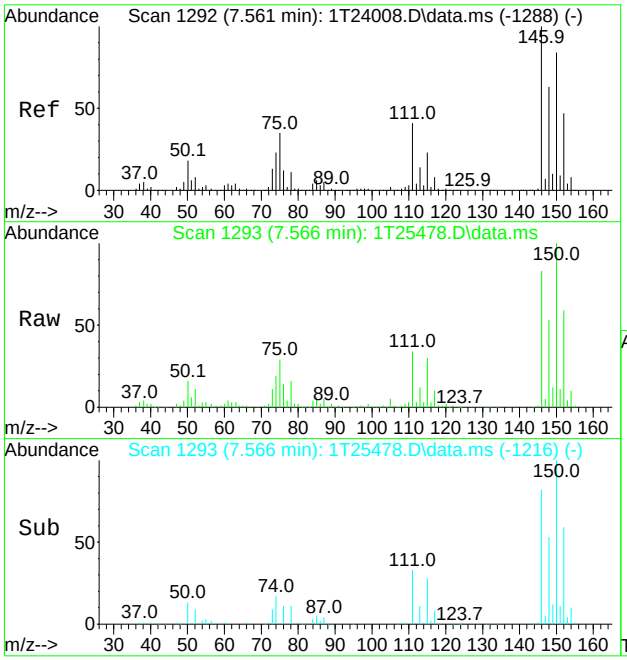


#110
p-isopropyltoluene
Concen: 21.7166 ug/L
RT: 7.493 min Scan# 1279
Delta R.T. 0.000 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion:119 Resp: 201805

Ion	Ratio	Lower	Upper
119	100		
134	24.0	0.0	56.8
91	24.5	0.0	52.2

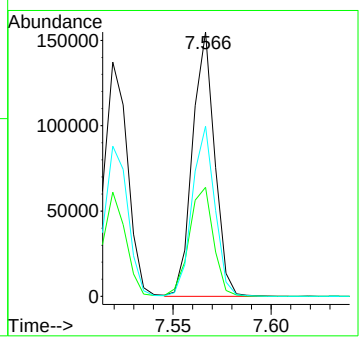


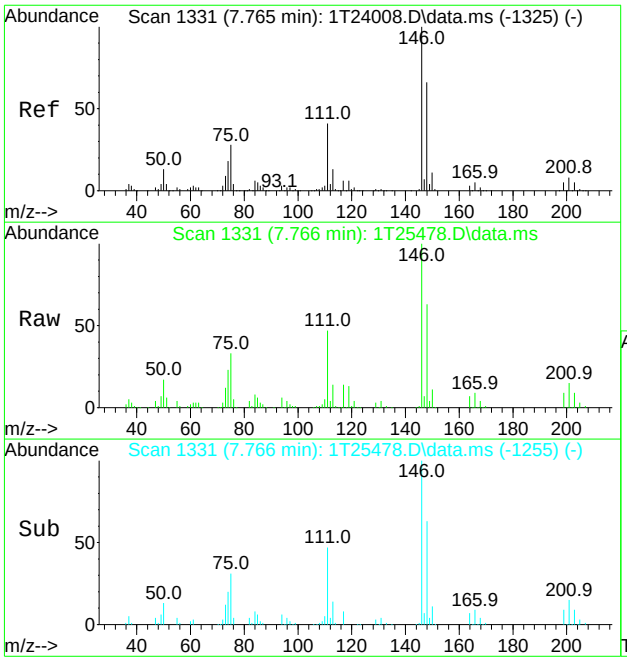


#111
1,4-dichlorobenzene
Concen: 19.6491 ug/L
RT: 7.566 min Scan# 1293
Delta R.T. 0.006 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion:146 Resp: 121985

Ion	Ratio	Lower	Upper
146	100		
111	41.2	10.8	70.8
148	64.4	33.2	93.2

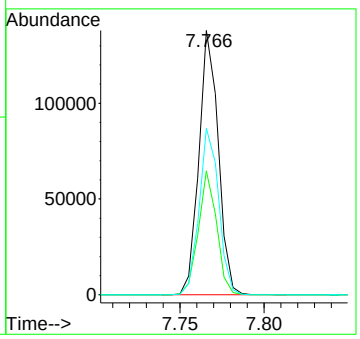


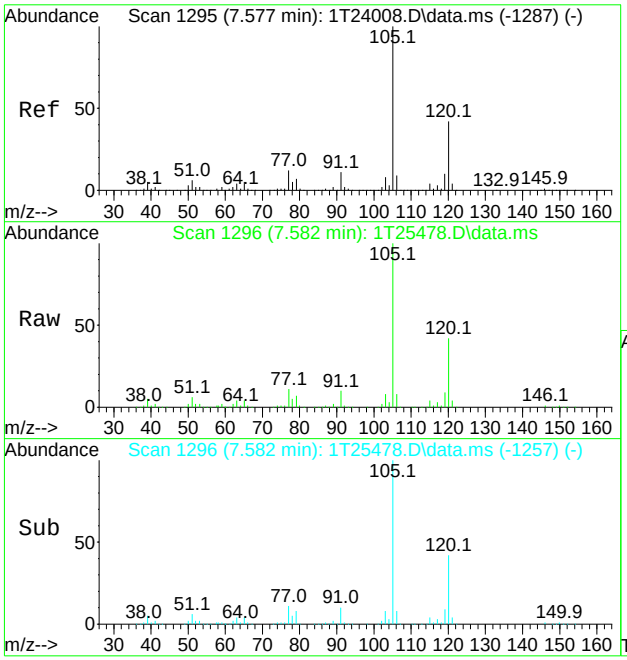


#112
1,2-dichlorobenzene
Concen: 19.6814 ug/L
RT: 7.766 min Scan# 1331
Delta R.T. 0.000 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion:146 Resp: 110284

Ion	Ratio	Lower	Upper
146	100		
111	46.9	11.3	71.3
148	62.9	36.2	96.2

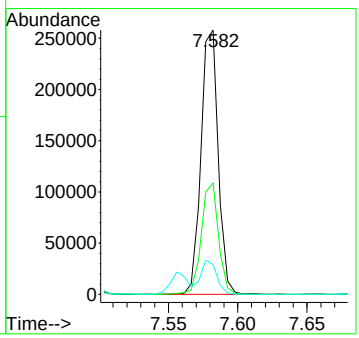


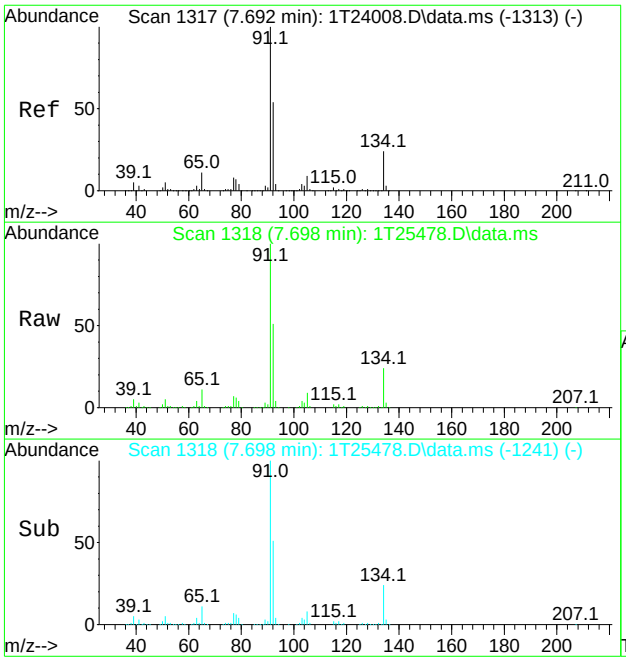


#113
1,2,3-trimethylbenzene
Concen: 20.6154 ug/L
RT: 7.582 min Scan# 1296
Delta R.T. 0.006 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion:105 Resp: 222377

Ion	Ratio	Lower	Upper
105	100		
120	42.2	12.2	72.2
77	11.2	0.0	41.7

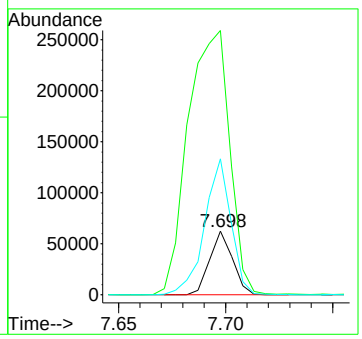


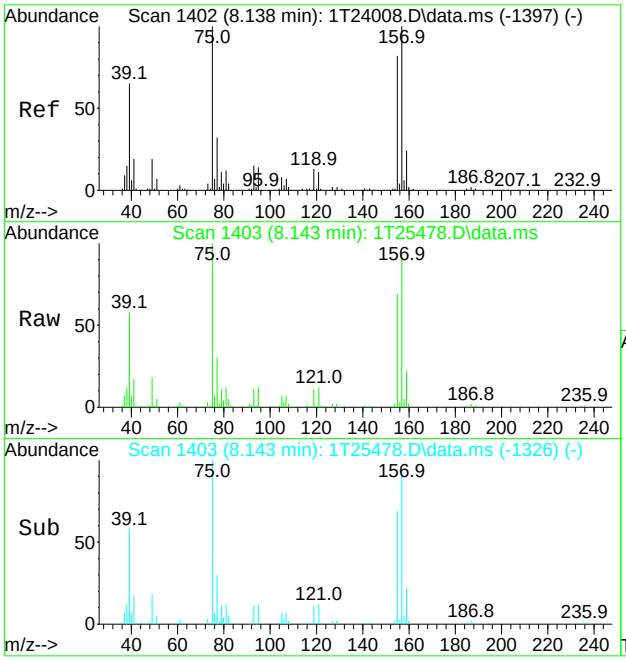


#114
n-butylbenzene
Concen: 20.6777 ug/L
RT: 7.698 min Scan# 1318
Delta R.T. 0.006 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion:134 Resp: 46419

Ion	Ratio	Lower	Upper
134	100		
91	414.1	429.9	489.9#
92	213.3	199.0	259.0

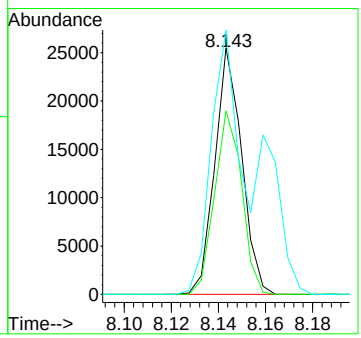


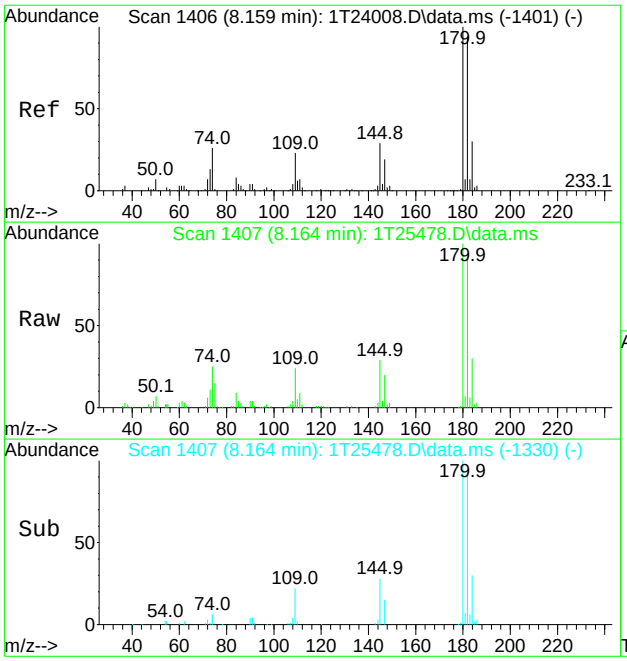


#115
1,2-dibromo-3-chloropropane
Concen: 17.8433 ug/L
RT: 8.143 min Scan# 1403
Delta R.T. 0.006 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion:157 Resp: 20224

Ion	Ratio	Lower	Upper
157	100		
155	74.5	51.9	111.9
75	107.2	70.0	130.0

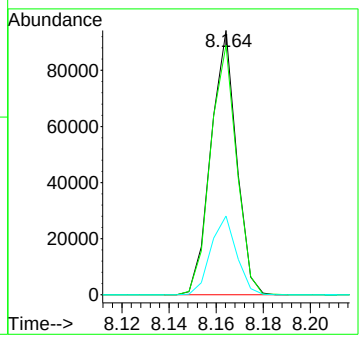


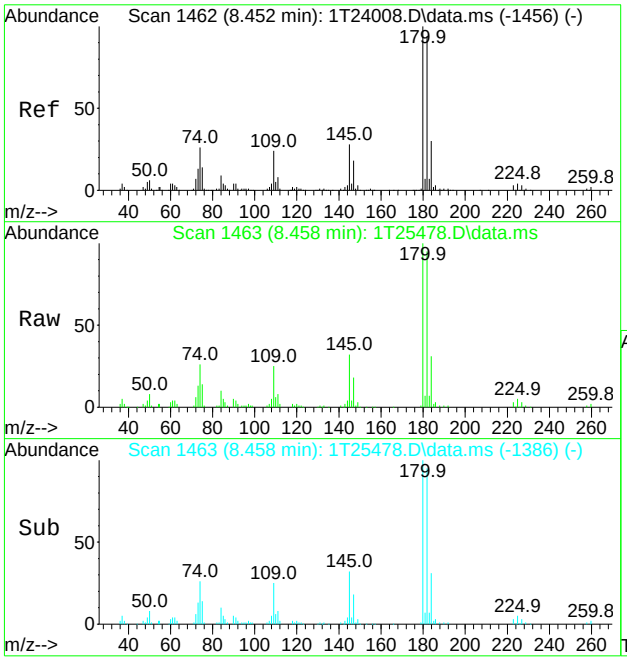


#116
1,3,5-trichlorobenzene
Concen: 19.3028 ug/L
RT: 8.164 min Scan# 1407
Delta R.T. 0.006 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion:180 Resp: 71032

Ion	Ratio	Lower	Upper
180	100		
182	94.4	73.5	113.5
184	29.8	10.1	50.1

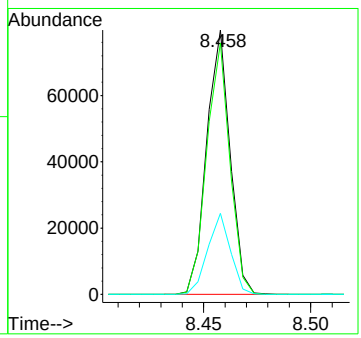


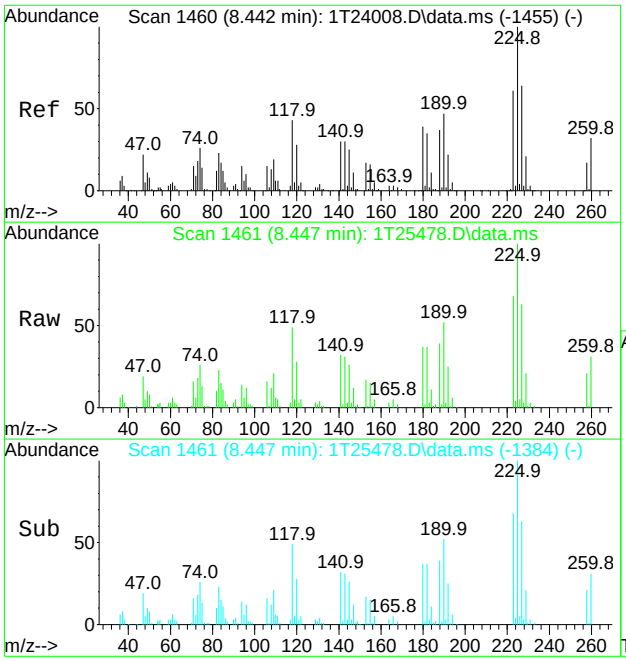


#117
1,2,4-trichlorobenzene
Concen: 19.1003 ug/L
RT: 8.458 min Scan# 1463
Delta R.T. 0.006 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion:180 Resp: 60668

Ion	Ratio	Lower	Upper
180	100		
182	95.1	64.0	124.0
184	30.6	0.0	59.7

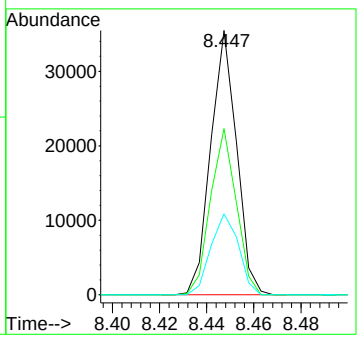


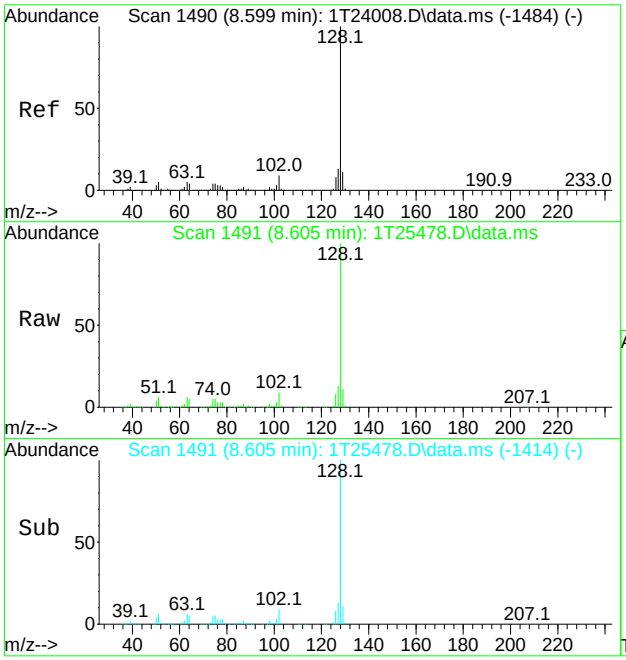


#118
hexachlorobutadiene
Concen: 20.2869 ug/L
RT: 8.447 min Scan# 1461
Delta R.T. 0.006 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion:225 Resp: 27134

Ion	Ratio	Lower	Upper
225	100		
227	62.9	34.1	94.1
260	30.6	1.5	61.5

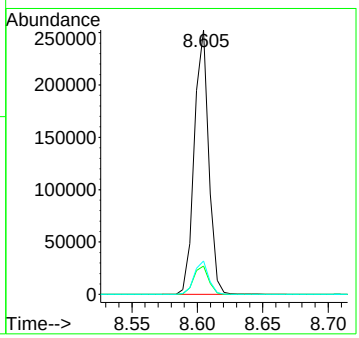


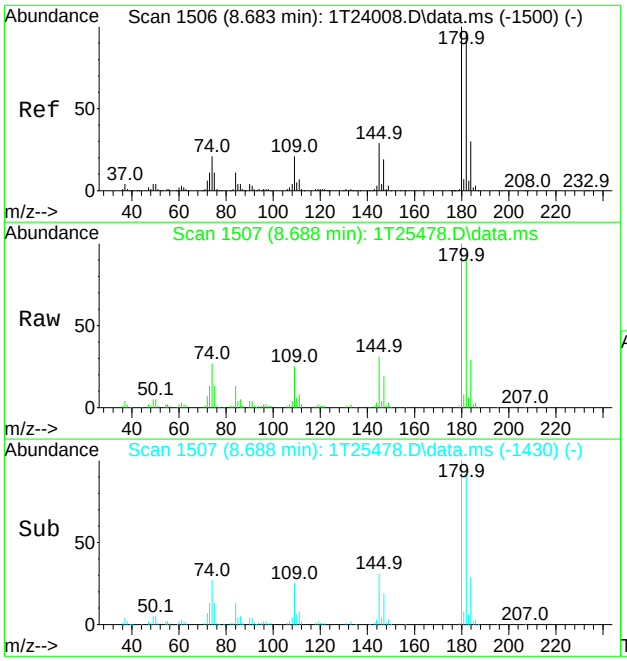


#119
naphthalene
Concen: 20.1413 ug/L
RT: 8.605 min Scan# 1491
Delta R.T. 0.006 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion:128 Resp: 193128

Ion	Ratio	Lower	Upper
128	100		
129	10.7	0.0	40.7
127	12.6	0.0	43.4

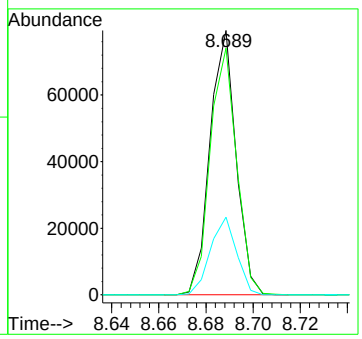


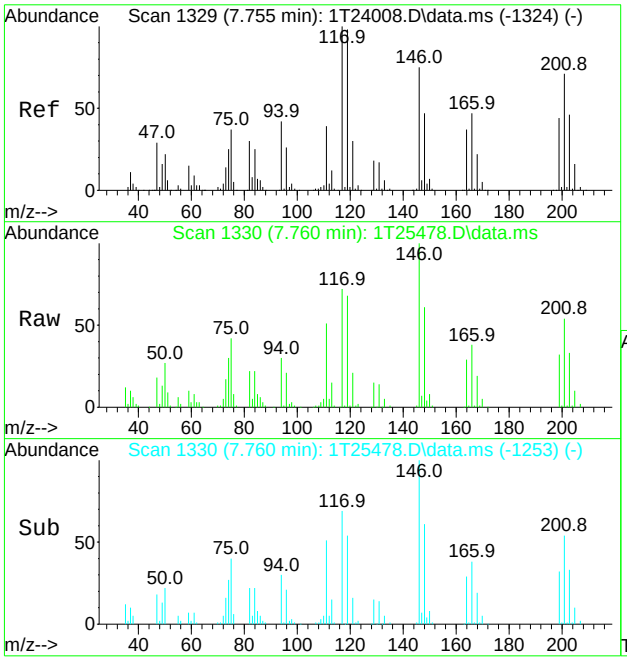


#120
1,2,3-trichlorobenzene
Concen: 20.2432 ug/L
RT: 8.688 min Scan# 1507
Delta R.T. 0.006 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion:180 Resp: 60945

Ion	Ratio	Lower	Upper
180	100		
182	93.3	66.5	126.5
184	29.4	0.0	59.6

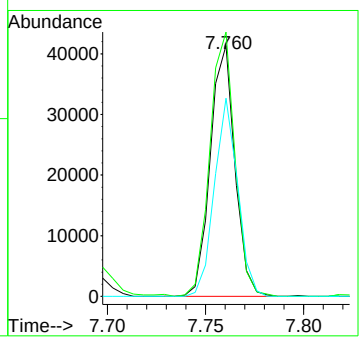


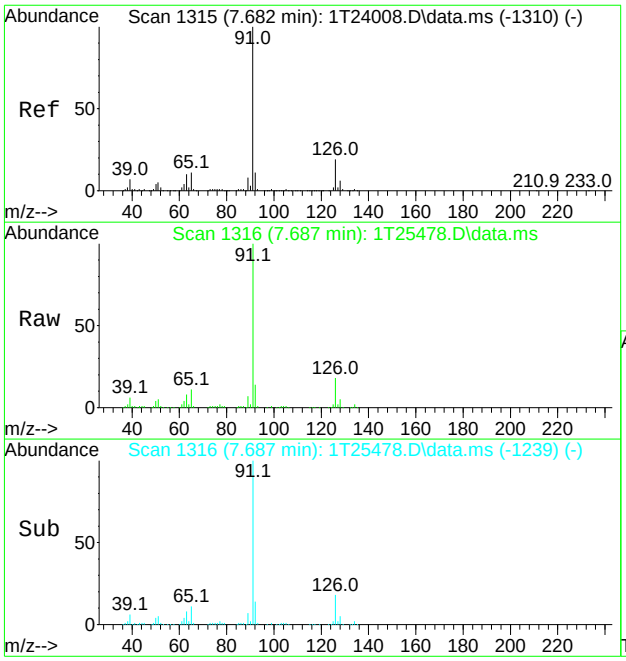


#121
hexachloroethane
Concen: 19.4387 ug/L
RT: 7.760 min Scan# 1330
Delta R.T. 0.006 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion:119 Resp: 35990

Ion	Ratio	Lower	Upper
119	100		
117	105.5	71.7	131.7
201	79.0	42.0	102.0

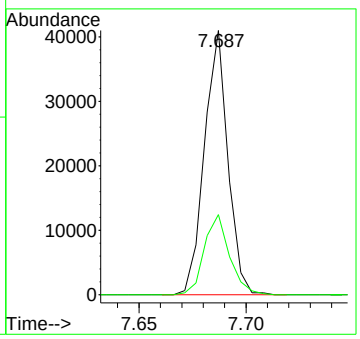


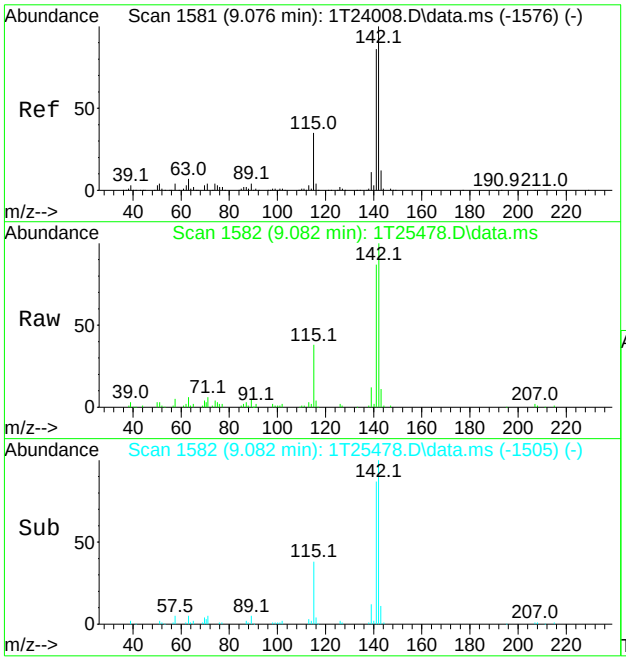


#122
benzyl chloride
Concen: 19.8810 ug/L
RT: 7.687 min Scan# 1316
Delta R.T. 0.006 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion:126 Resp: 31222

Ion	Ratio	Lower	Upper
126	100		
128	30.3	1.7	61.7

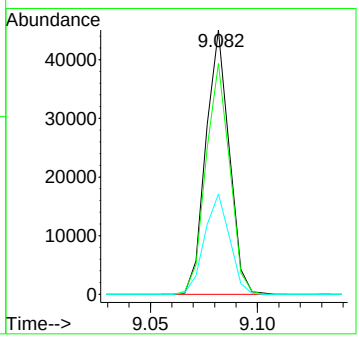




#123
2-methylnaphthalene
Concen: 7.8508 ug/L
RT: 9.082 min Scan# 1582
Delta R.T. 0.006 min
Lab File: 1T25478.D
Acq: 20 Oct 2025 10:13 am

Tgt Ion:142 Resp: 34285

Ion	Ratio	Lower	Upper
142	100		
141	87.3	55.9	115.9
115	37.9	5.4	65.4



Manual Integration Approval Summary

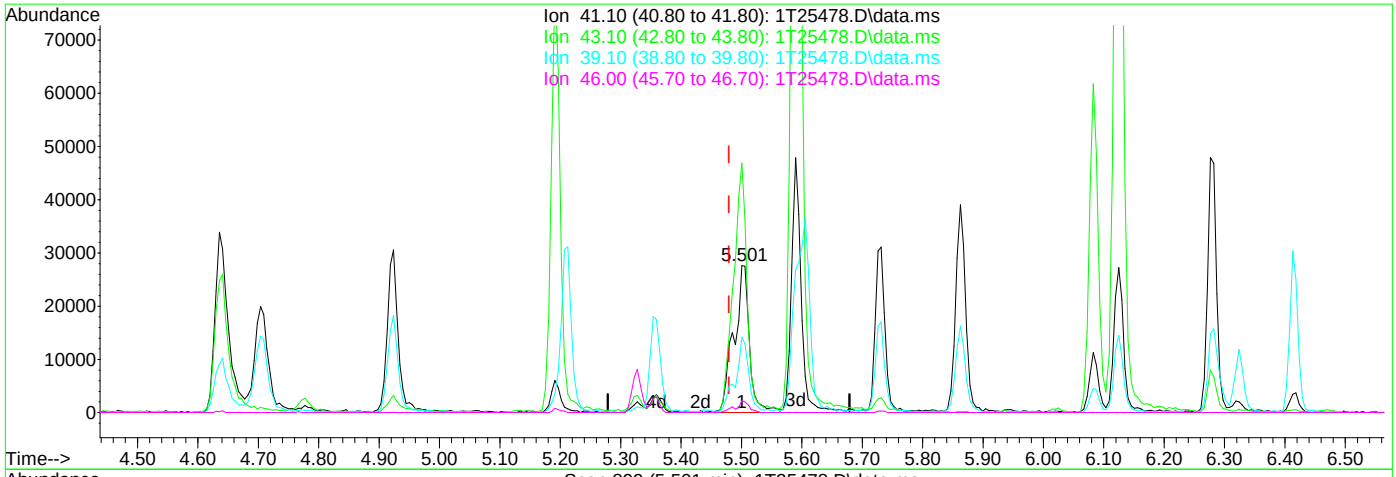
Sample Number:	V1T610-CC579	**Method:**	SW846 8260D
Lab FileID:	1T25478.D	**Analyst approved:**	10/20/25 16:08 Braian Casallas
Injection Time:	10/20/25 10:13	**Supervisor approved:**	10/20/25 17:23 MoHui Huang

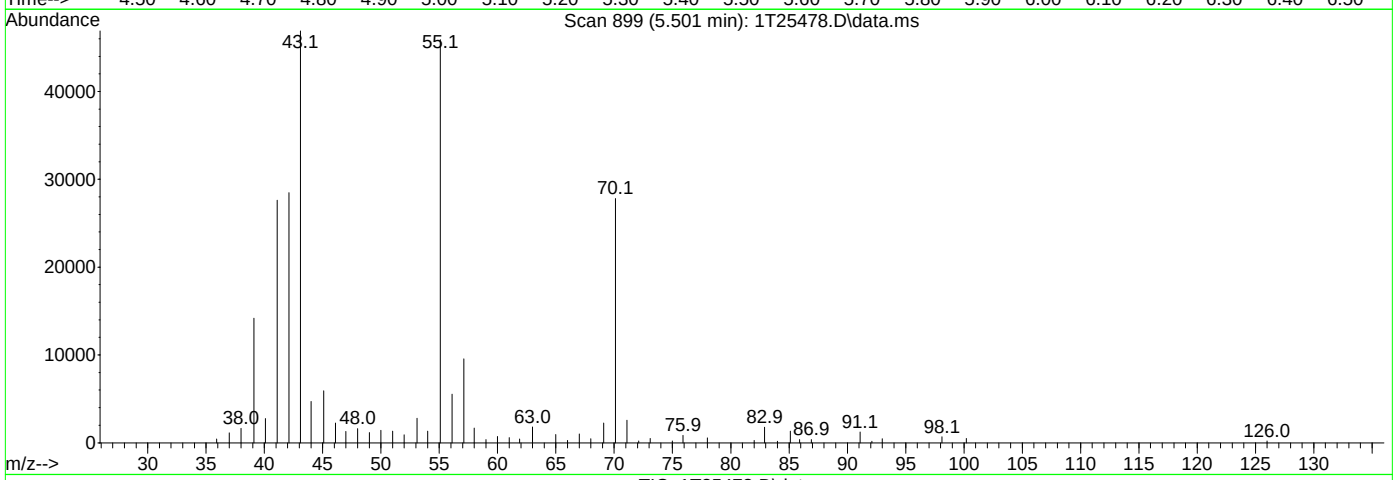
Parameter	CAS	Sig#	R.T. (min.)	Reason
2-Nitropropane	79-46-9		5.48	Overlapping peak

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\braianc\2025\10. October\20102025\V1T610\
Data File : 1T25478.D
Acq On : 20 Oct 2025 10:13 am
Operator : edwardd
Sample : cc579-20 Inst : GCMST
Misc : MS98241,V1T0610,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 20 19:08:29 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 11:55:28 2025
Response via : Initial Calibration





TIC: 1T25478.D\data.ms

(61) 2-nitropropane

5.501min (+0.021) 50.71ug/L

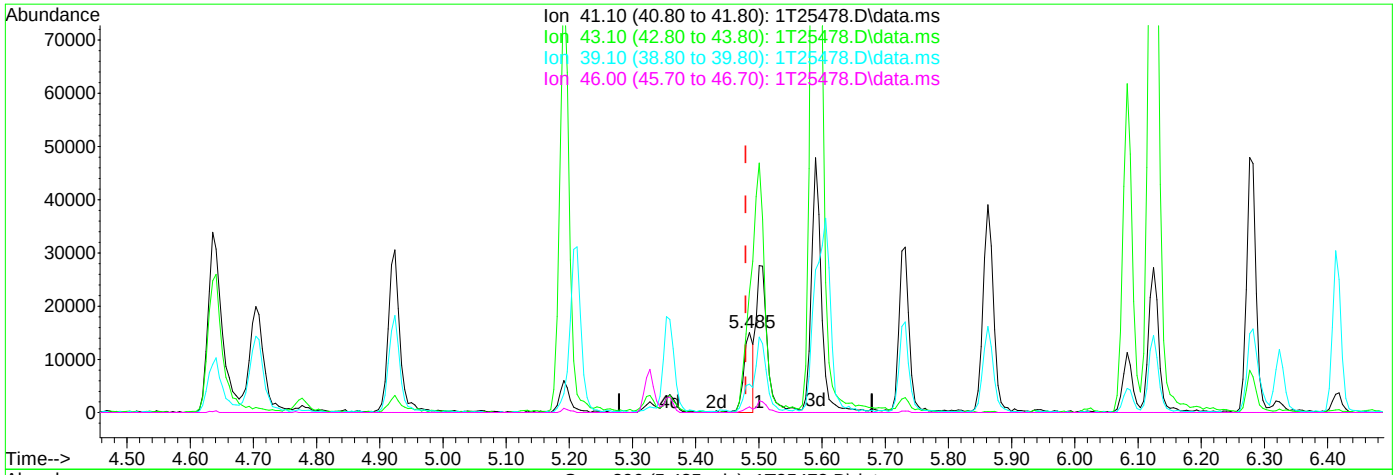
response 49553

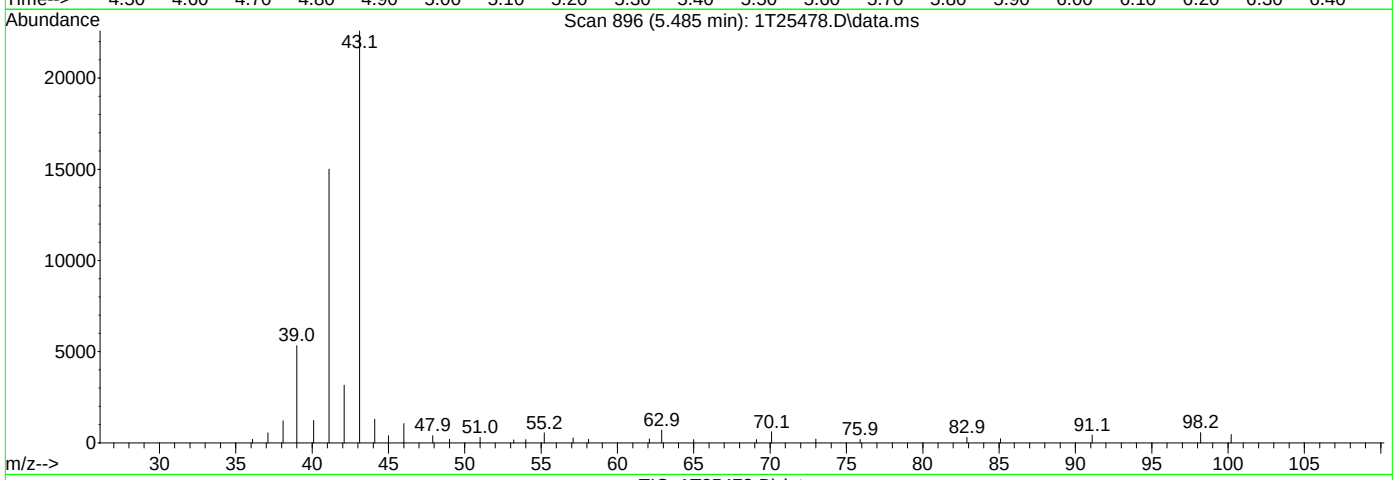
Ion	Exp%	Act%
41.10	100	100
43.10	126.20	169.75#
39.10	41.90	50.03
46.00	7.20	8.11

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\braianc\2025\10. October\20102025\V1T610\
Data File : 1T25478.D
Acq On : 20 Oct 2025 10:13 am
Operator : edwardd
Sample : cc579-20 Inst : GCMST
Misc : MS98241,V1T0610,5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 20 19:08:29 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 11:55:28 2025
Response via : Initial Calibration





TIC: 1T25478.D\data.ms

(61) 2-nitropropane

5.485min (+0.006) 15.71ug/L m

response 15356

Ion	Exp%	Act%
41.10	100	100
43.10	126.20	150.59
39.10	41.90	35.46
46.00	7.20	7.05

Quantitation Report (QT Reviewed)

Data Path : R:\MSVOA\Done\Batch\2025\10. October\10-20-2025\braianc\V1T610\
Data File : 1T25480.D
Acq On : 20 Oct 2025 11:08 am
Operator : edwardd
Sample : cc579-1 Inst : GCMST
Misc : MS98241,V1T0610,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 20 19:44:11 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 11:55:28 2025
Response via : Initial Calibration

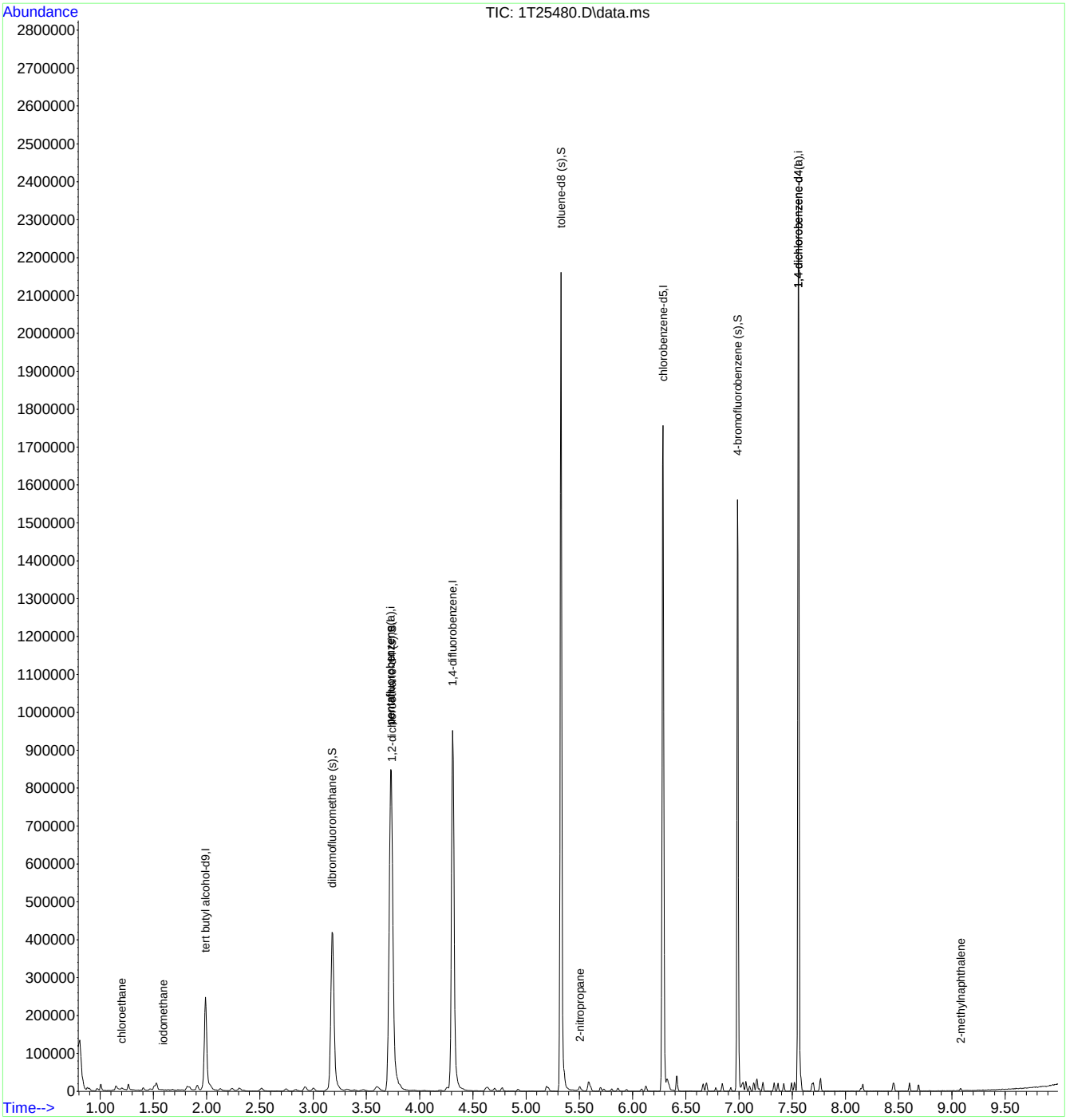
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	1.988	65	230029	500.00	ug/L	0.00
5) pentafluorobenzene	3.728	168	435029	50.00	ug/L	0.00
50) 1,4-difluorobenzene	4.310	114	722869	50.00	ug/L	0.00
72) chlorobenzene-d5	6.287	117	611791	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	7.556	152	304351	50.00	ug/L	0.00
124) pentafluorobenzene(a)	3.728	168	435029	50.00	ug/L	0.00
132) 1,4-dichlorobenzene-d4(a)	7.556	152	304351	50.00	ug/L	0.00
System Monitoring Compounds						
42) dibromofluoromethane (s)	3.178	113	268109	52.10	ug/L	0.00
Spiked Amount 50.000	Range 75 - 127		Recovery = 104.20%			
51) 1,2-dichloroethane-d4 (s)	3.739	65	279232	51.69	ug/L	0.00
Spiked Amount 50.000	Range 75 - 130		Recovery = 103.38%			
73) toluene-d8 (s)	5.328	98	848174	51.14	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 102.28%			
97) 4-bromofluorobenzene (s)	6.984	95	294091	52.25	ug/L	0.00
Spiked Amount 50.000	Range 79 - 127		Recovery = 104.50%			
Target Compounds						Qvalue
12) chloroethane	1.201	64	2767	0.9352	ug/L	85
20) iodomethane	1.589	142	693	2.6043	ug/L	85
61) 2-nitropropane	5.506	41	2415	2.6324	ug/L	96
123) 2-methylnaphthalene	9.082	142	1805	1.7062	ug/L	94

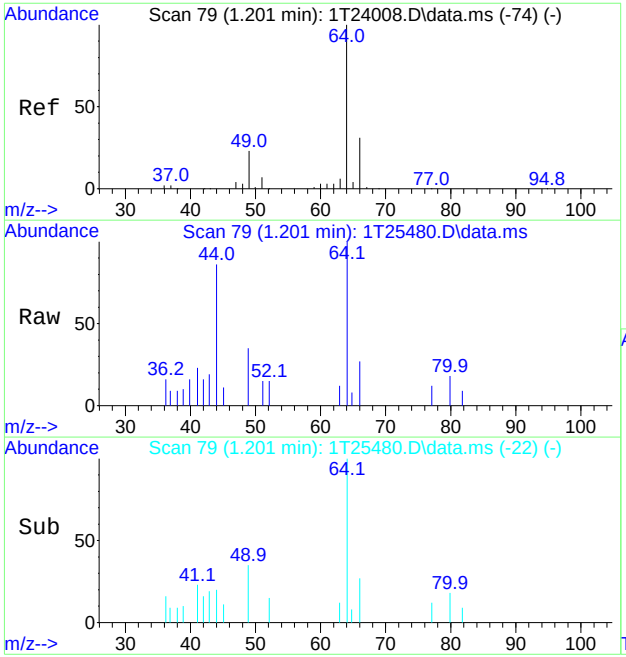
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : R:\MSVOA\Done\Batch\2025\10. October\10-20-2025\braianc\V1T610\
Data File : 1T25480.D
Acq On : 20 Oct 2025 11:08 am
Operator : edwardd
Sample : cc579-1 Inst : GCMST
Misc : MS98241,V1T0610,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 20 19:44:11 2025
Quant Method : C:\msdchem\1\methods\m1t579.m
Quant Title : SW-846 Method 8260C/D, column DB-624 60 m x 0.25 mm x 1.4 um
QLast Update : Fri Sep 19 11:55:28 2025
Response via : Initial Calibration

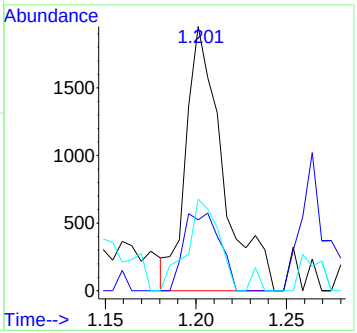


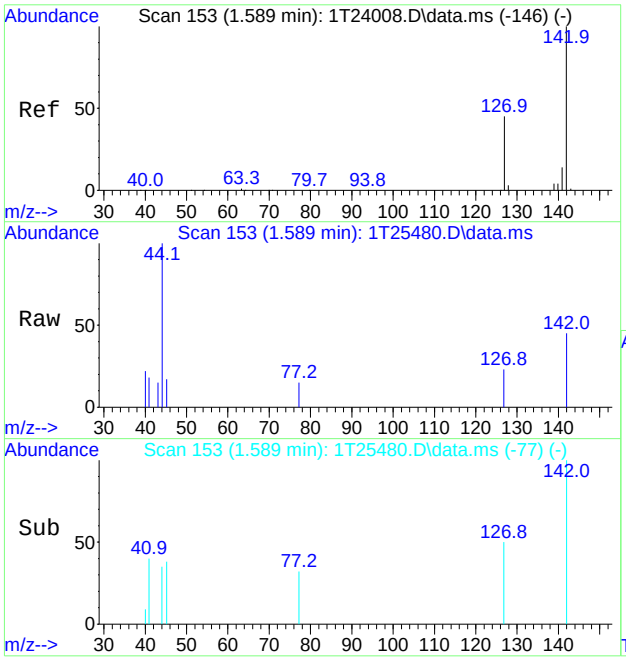


#12
chloroethane
Concen: 0.9352 ug/L
RT: 1.201 min Scan# 79
Delta R.T. 0.000 min
Lab File: 1T25480.D
Acq: 20 Oct 2025 11:08 am

Tgt Ion: 64 Resp: 2767

Ion	Ratio	Lower	Upper
64	100		
66	26.8	0.9	60.9
49	34.7	0.0	52.7

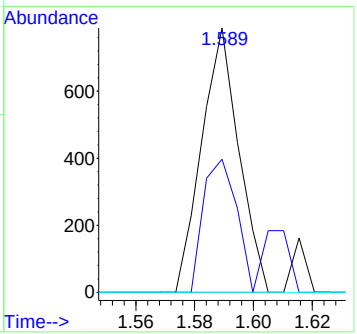


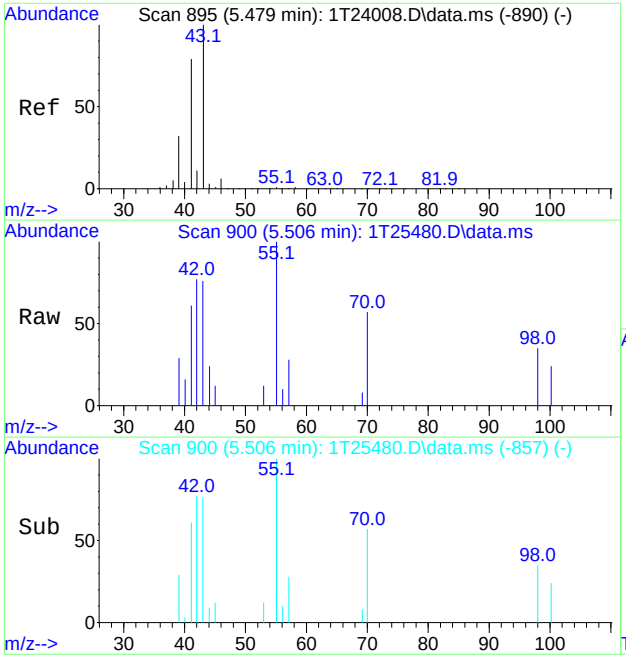


#20
iodomethane
Concen: 2.6043 ug/L
RT: 1.589 min Scan# 153
Delta R.T. 0.000 min
Lab File: 1T25480.D
Acq: 20 Oct 2025 11:08 am

Tgt Ion:142 Resp: 693

Ion	Ratio	Lower	Upper
142	100		
127	50.3	14.7	74.7
141	0.0	0.0	44.3

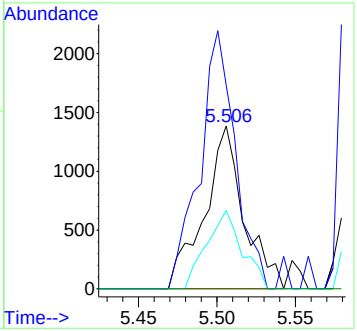


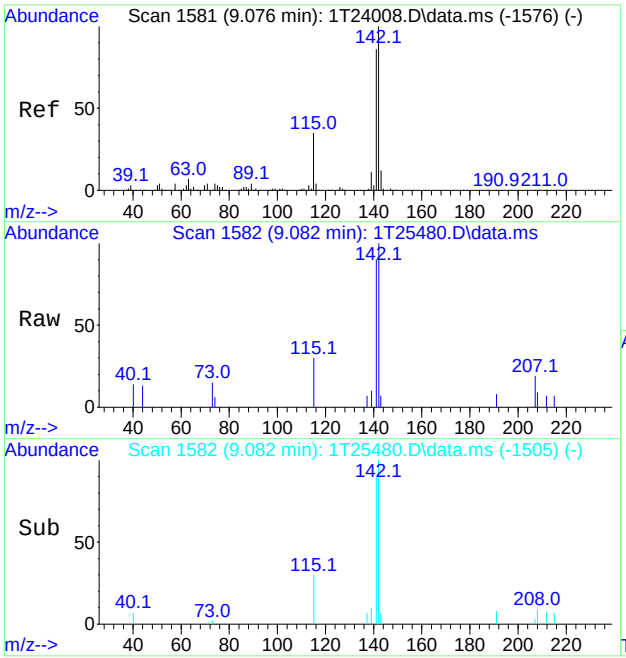


#61
2-nitropropane
Concen: 2.6324 ug/L
RT: 5.506 min Scan# 900
Delta R.T. 0.026 min
Lab File: 1T25480.D
Acq: 20 Oct 2025 11:08 am

Tgt Ion: 41 Resp: 2415

Ion	Ratio	Lower	Upper
41	100		
43	125.0	96.2	156.2
39	48.2	11.9	71.9
46	0.0	0.0	37.2

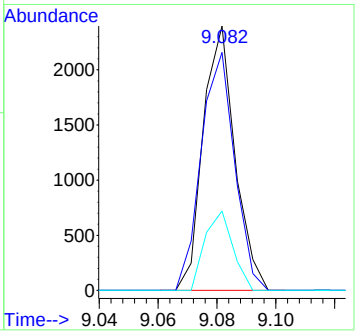




#123
2-methylnaphthalene
Concen: 1.7062 ug/L
RT: 9.082 min Scan# 1582
Delta R.T. 0.006 min
Lab File: 1T25480.D
Acq: 20 Oct 2025 11:08 am

Tgt Ion:142 Resp: 1805

Ion	Ratio	Lower	Upper
142	100		
141	90.0	55.9	115.9
115	30.0	5.4	65.4



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373783.D
Acq On : 16 Oct 2025 6:00 pm
Operator : BridgetK
Sample : ic11472-0.2
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 17 09:44:47 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 09:34:59 2025
Response via : Initial Calibration

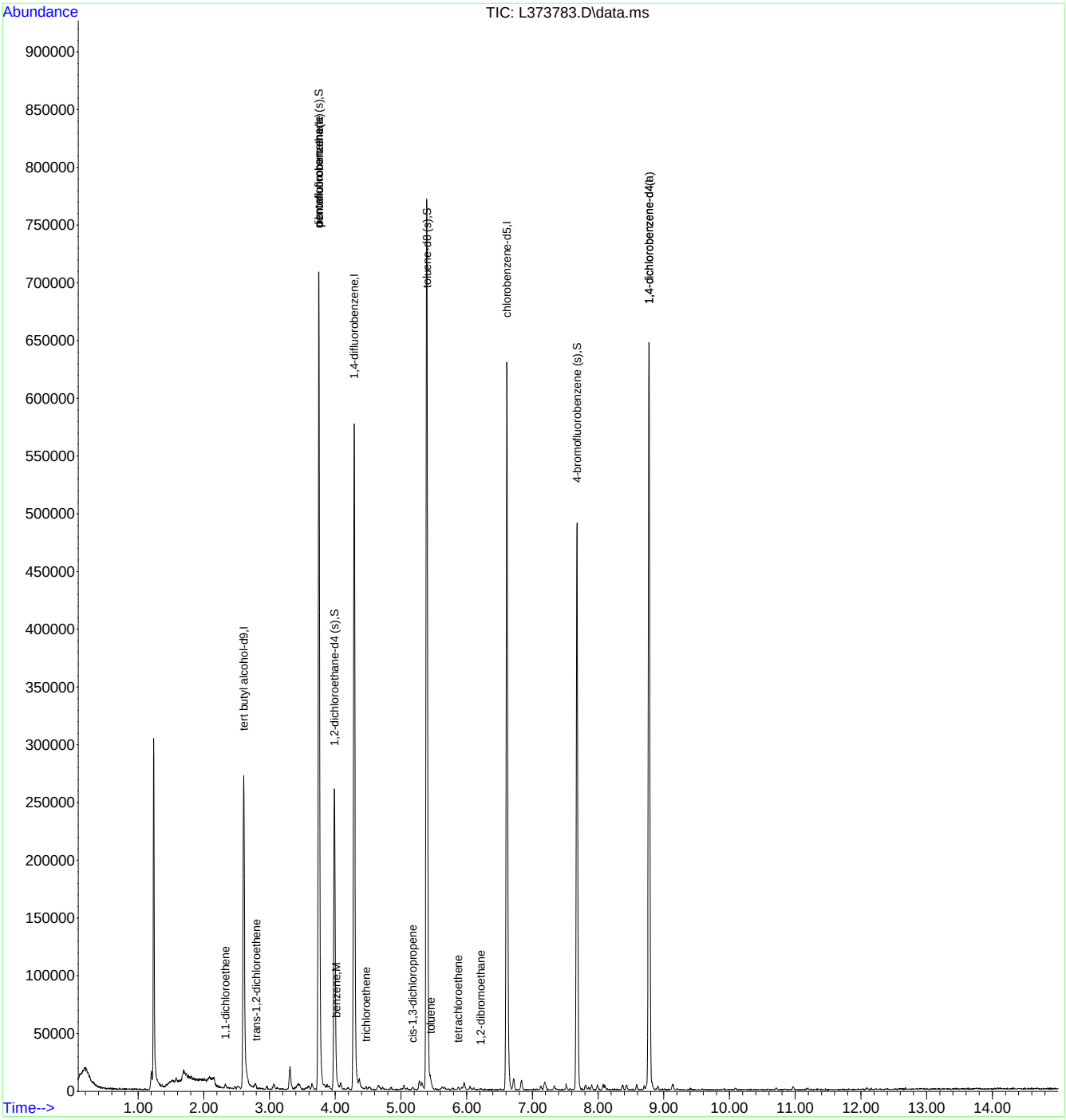
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	2.607	65	265523	500.00	ug/L	0.00
5) pentafluorobenzene	3.752	168	239692	50.00	ug/L	0.00
51) 1,4-difluorobenzene	4.288	114	384499	50.00	ug/L	0.00
72) chlorobenzene-d5	6.612	117	316291	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	8.778	152	156814	50.00	ug/L	0.00
124) pentafluorobenzene(a)	3.752	168	239692	50.00	ug/L	0.00
131) 1,4-dichlorobenzene-d4(a)	8.778	152	156814	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	3.749	113	125618	50.12	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.24%			
52) 1,2-dichloroethane-d4 (s)	3.990	65	143243	52.74	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 105.48%			
73) toluene-d8 (s)	5.395	98	455329	49.48	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.96%			
97) 4-bromofluorobenzene (s)	7.677	95	165822	48.45	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 96.90%			
Target Compounds						Qvalue
17) 1,1-dichloroethene	2.328	96	480	0.2021	ug/L #	76
26) trans-1,2-dichloroethene	2.799	96	514	0.1926	ug/L #	76
56) benzene	4.016	78	2426	0.2429	ug/L	97
59) trichloroethene	4.468	95	594	0.2235	ug/L #	71
68) cis-1,3-dichloropropene	5.177	75	939	0.2276	ug/L	81
74) toluene	5.453	92	1566	0.2423	ug/L	96
79) tetrachloroethene	5.867	166	578	0.2170	ug/L	78
83) 1,2-dibromoethane	6.214	107	607	0.2262	ug/L	76

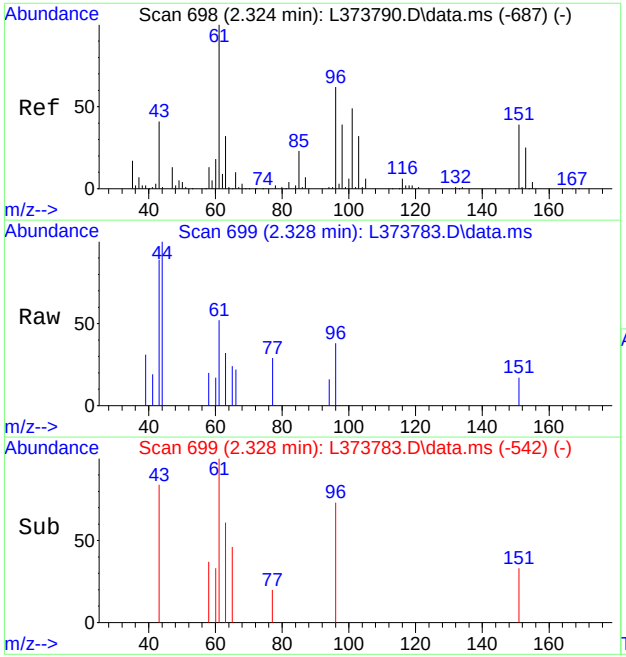
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373783.D
Acq On : 16 Oct 2025 6:00 pm
Operator : BridgetK
Sample : ic11472-0.2
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 17 09:44:47 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 09:34:59 2025
Response via : Initial Calibration

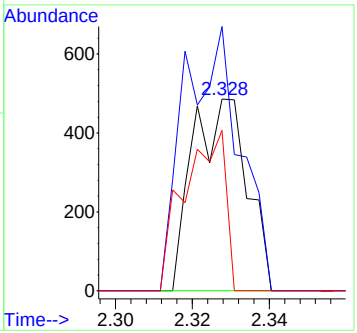


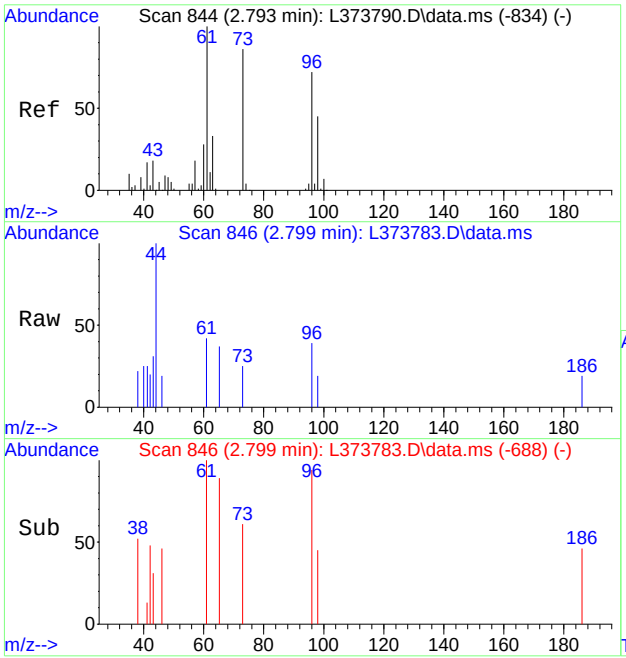


#17
1,1-dichloroethene
Concen: 0.20 ug/L
RT: 2.328 min Scan# 699
Delta R.T. 0.003 min
Lab File: L373783.D
Acq: 16 Oct 2025 6:00 pm

Tgt Ion: 96 Resp: 480

Ion	Ratio	Lower	Upper
96	100		
61	137.9	131.4	191.4
63	83.5	22.3	82.3#

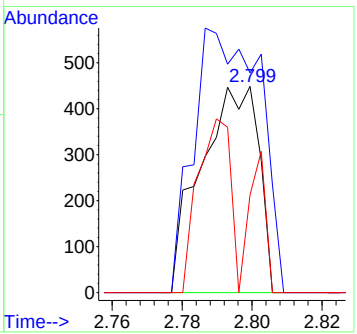


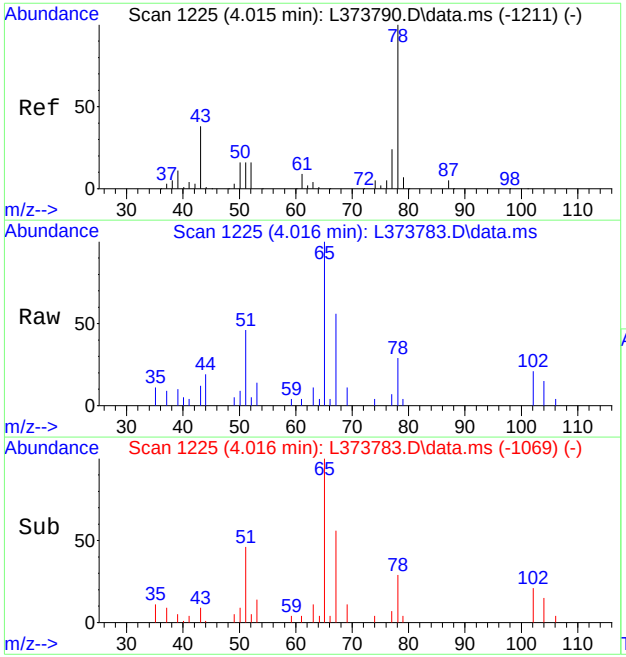


#26
trans-1,2-dichloroethene
Concen: 0.19 ug/L
RT: 2.799 min Scan# 846
Delta R.T. 0.007 min
Lab File: L373783.D
Acq: 16 Oct 2025 6:00 pm

Tgt Ion: 96 Resp: 514

Ion	Ratio	Lower	Upper
96	100		
61	106.5	109.1	169.1#
98	47.4	32.0	92.0

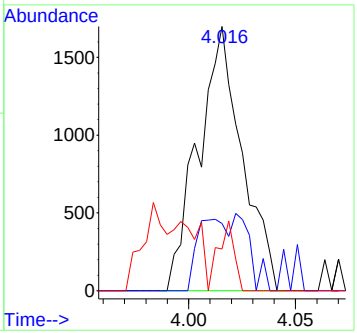


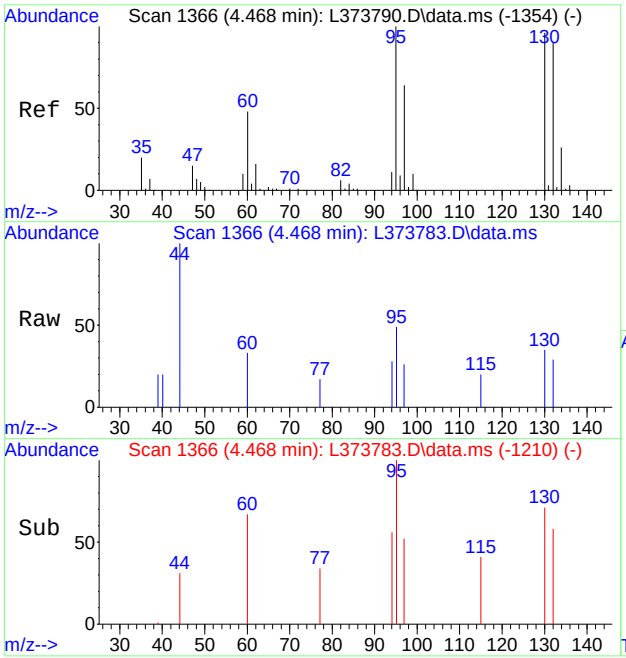


#56
benzene
Concen: 0.24 ug/L
RT: 4.016 min Scan# 1225
Delta R.T. 0.000 min
Lab File: L373783.D
Acq: 16 Oct 2025 6:00 pm

Tgt Ion: 78 Resp: 2426

Ion	Ratio	Lower	Upper
78	100		
77	25.5	0.0	53.5
52	15.8	0.0	46.2

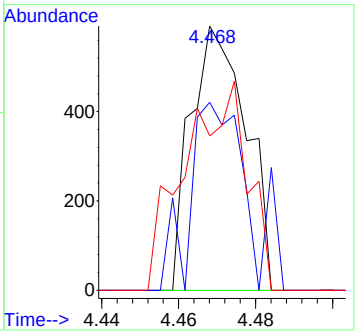


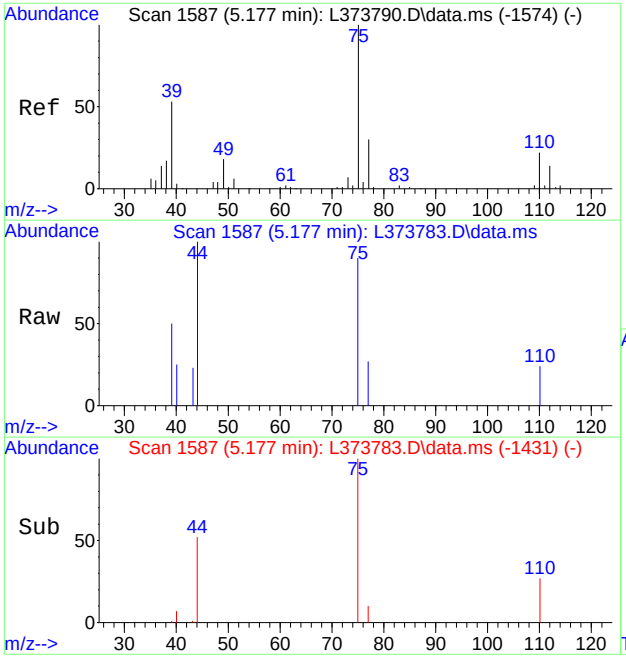


#59
trichloroethene
Concen: 0.22 ug/L
RT: 4.468 min Scan# 1366
Delta R.T. 0.000 min
Lab File: L373783.D
Acq: 16 Oct 2025 6:00 pm

Tgt Ion: 95 Resp: 594

Ion	Ratio	Lower	Upper
95	100		
130	71.1	65.5	125.5
132	58.4	59.7	119.7#

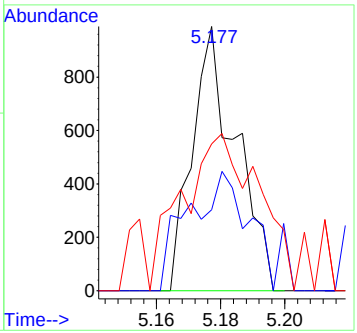


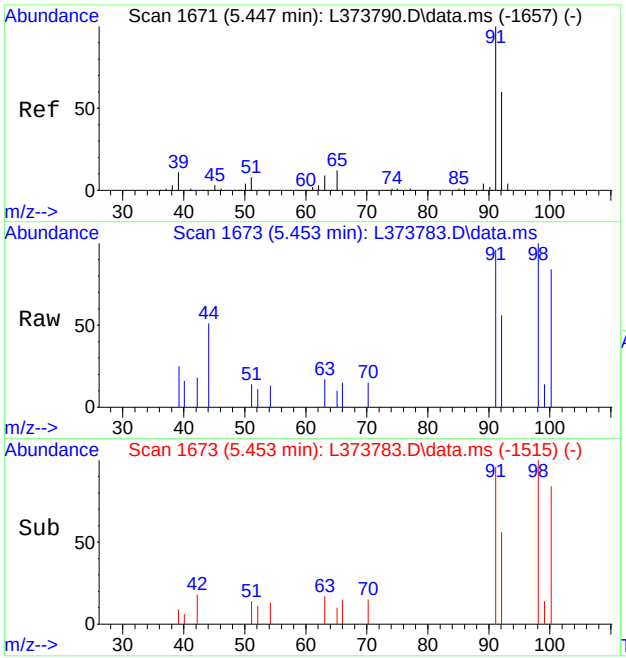


#68
cis-1,3-dichloropropene
Concen: 0.23 ug/L
RT: 5.177 min Scan# 1587
Delta R.T. 0.000 min
Lab File: L373783.D
Acq: 16 Oct 2025 6:00 pm

Tgt Ion: 75 Resp: 939

Ion	Ratio	Lower	Upper
75	100		
77	30.6	0.1	60.1
39	32.4	23.1	83.1

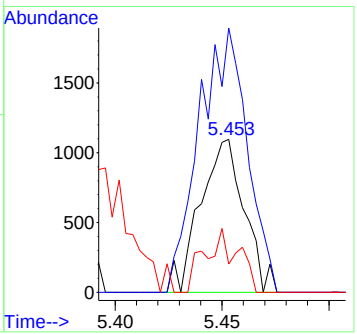


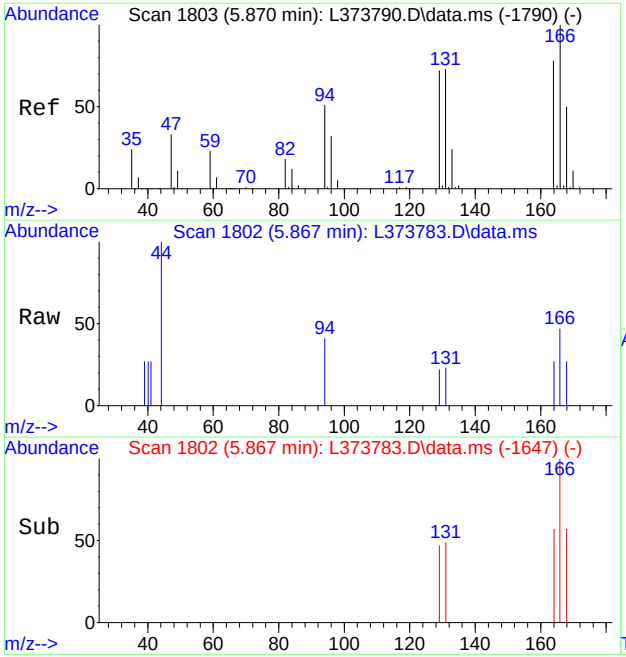


#74
toluene
Concen: 0.24 ug/L
RT: 5.453 min Scan# 1673
Delta R.T. 0.007 min
Lab File: L373783.D
Acq: 16 Oct 2025 6:00 pm

Tgt Ion: 92 Resp: 1566

Ion	Ratio	Lower	Upper
92	100		
91	172.7	136.7	196.7
65	18.5	0.0	50.8

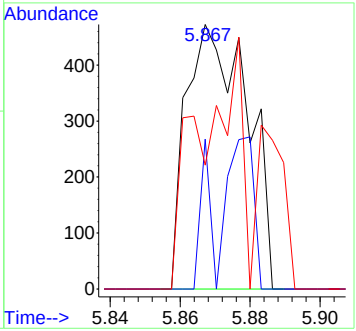


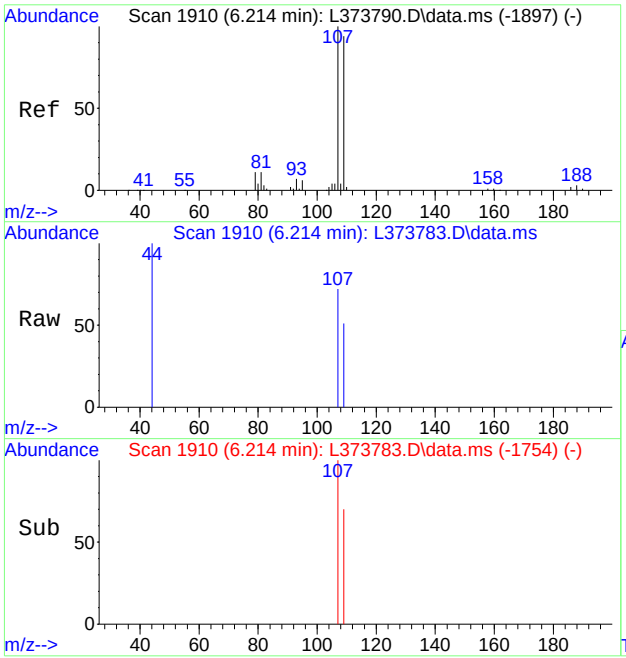


#79
tetrachloroethene
Concen: 0.22 ug/L
RT: 5.867 min Scan# 1802
Delta R.T. -0.003 min
Lab File: L373783.D
Acq: 16 Oct 2025 6:00 pm

Tgt Ion:166 Resp: 578

Ion	Ratio	Lower	Upper
166	100		
168	56.7	19.7	79.7
129	46.7	42.4	102.4

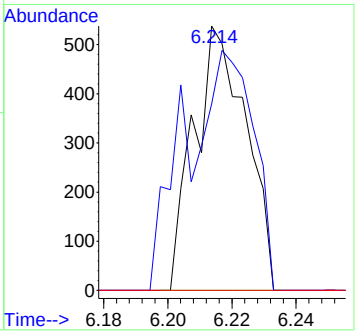




#83
1,2-dibromoethane
Concen: 0.23 ug/L
RT: 6.214 min Scan# 1910
Delta R.T. 0.000 min
Lab File: L373783.D
Acq: 16 Oct 2025 6:00 pm

Tgt Ion:107 Resp: 607

Ion	Ratio	Lower	Upper
107	100		
109	70.4	63.9	123.9
188	0.0	0.0	33.4



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 10/20/25 12:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373784.D
Acq On : 16 Oct 2025 6:25 pm
Operator : BridgetK
Sample : ic11472-0.5
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 17 09:53:01 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 09:45:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	2.610	65	256579	500.00	ug/L	0.00
5) pentafluorobenzene	3.756	168	234304	50.00	ug/L	0.00
51) 1,4-difluorobenzene	4.295	114	372718	50.00	ug/L	0.00
72) chlorobenzene-d5	6.615	117	302057	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	8.777	152	146155	50.00	ug/L	0.00
124) pentafluorobenzene(a)	3.756	168	234304	50.00	ug/L	0.00
131) 1,4-dichlorobenzene-d4(a)	8.777	152	146155	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	3.756	113	121393	49.49	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.98%			
52) 1,2-dichloroethane-d4 (s)	3.993	65	136658	50.52	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 101.04%			
73) toluene-d8 (s)	5.399	98	421149	48.17	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 96.34%			
97) 4-bromofluorobenzene (s)	7.680	95	157643	50.20	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.40%			
Target Compounds						Qvalue
6) chlorodifluoromethane	1.368	51	1753	0.5070	ug/L	95
7) dichlorodifluoromethane	1.352	85	1611	0.4207	ug/L	79
8) chloromethane	1.480	50	2000	0.6001	ug/L	91
9) vinyl chloride	1.554	62	1757	0.5248	ug/L	95
10) 1,3-butadiene	1.580	54	1601	0.5276	ug/L	93
12) chloroethane	1.846	64	742	0.5399	ug/L	53
13) trichlorofluoromethane	2.000	101	2005	0.4407	ug/L	78
14) ethyl ether	2.164	74	687	0.4773	ug/L #	59
17) 1,1-dichloroethene	2.328	96	975	0.4178	ug/L	93
18) acetone	2.344	58	996	2.2790	ug/L #	50
22) carbon disulfide	2.478	76	3479	0.4986	ug/L	87
23) methylene chloride	2.629	84	1505	0.5613	ug/L #	67
25) methyl tert butyl ether	2.783	73	2959	0.3713	ug/L	92
26) trans-1,2-dichloroethene	2.799	96	1135	0.4433	ug/L	88
27) hexane	2.966	57	1456	0.4172	ug/L #	81
28) di-isopropyl ether	3.075	45	3386	0.4140	ug/L	92
29) ethyl tert-butyl ether	3.310	59	3601	0.4222	ug/L	92
30) 2-butanone	3.415	72	882	1.4597	ug/L #	27
31) 1,1-dichloroethane	3.082	63	2198	0.4516	ug/L	87
36) 2,2-dichloropropane	3.451	77	2114	0.4914	ug/L	82
37) cis-1,2-dichloroethene	3.438	96	1238	0.4358	ug/L #	80
38) propionitrile	3.464	54	3839	5.0889	ug/L	94
40) bromochloromethane	3.595	128	465	0.3786	ug/L #	70
45) 1,1,1-trichloroethane	3.778	97	2147	0.4896	ug/L #	1
47) 1,1-dichloropropene	3.877	75	1457	0.3859	ug/L	76
53) tert-amyl methyl ether	4.086	73	3343	0.4429	ug/L	97
54) 2,2,4-trimethylpentane	4.080	57	2599	0.4427	ug/L #	66
56) benzene	4.022	78	4762	0.4442	ug/L	89
58) 1,2-dichloroethane	4.048	62	1925	0.5349	ug/L	91
59) trichloroethene	4.471	95	956	0.3505	ug/L	98
62) 2-chloroethyl vinyl ether	5.049	63	2118	2.5775	ug/L	83
64) 1,2-dichloropropane	4.660	63	1281	0.5152	ug/L #	36
65) methylcyclohexane	4.654	83	1493	0.4046	ug/L	72
66) dibromomethane	4.728	93	853	0.5103	ug/L	97
67) bromodichloromethane	4.850	83	1773	0.5145	ug/L	85
68) cis-1,3-dichloropropene	5.180	75	1955	0.4573	ug/L	82
70) 4-methyl-2-pentanone	5.286	58	3142	2.0992	ug/L #	74
74) toluene	5.453	92	3112	0.4559	ug/L #	78

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373784.D
Acq On : 16 Oct 2025 6:25 pm
Operator : BridgetK
Sample : ic11472-0.5
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 17 09:53:01 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 09:45:21 2025
Response via : Initial Calibration

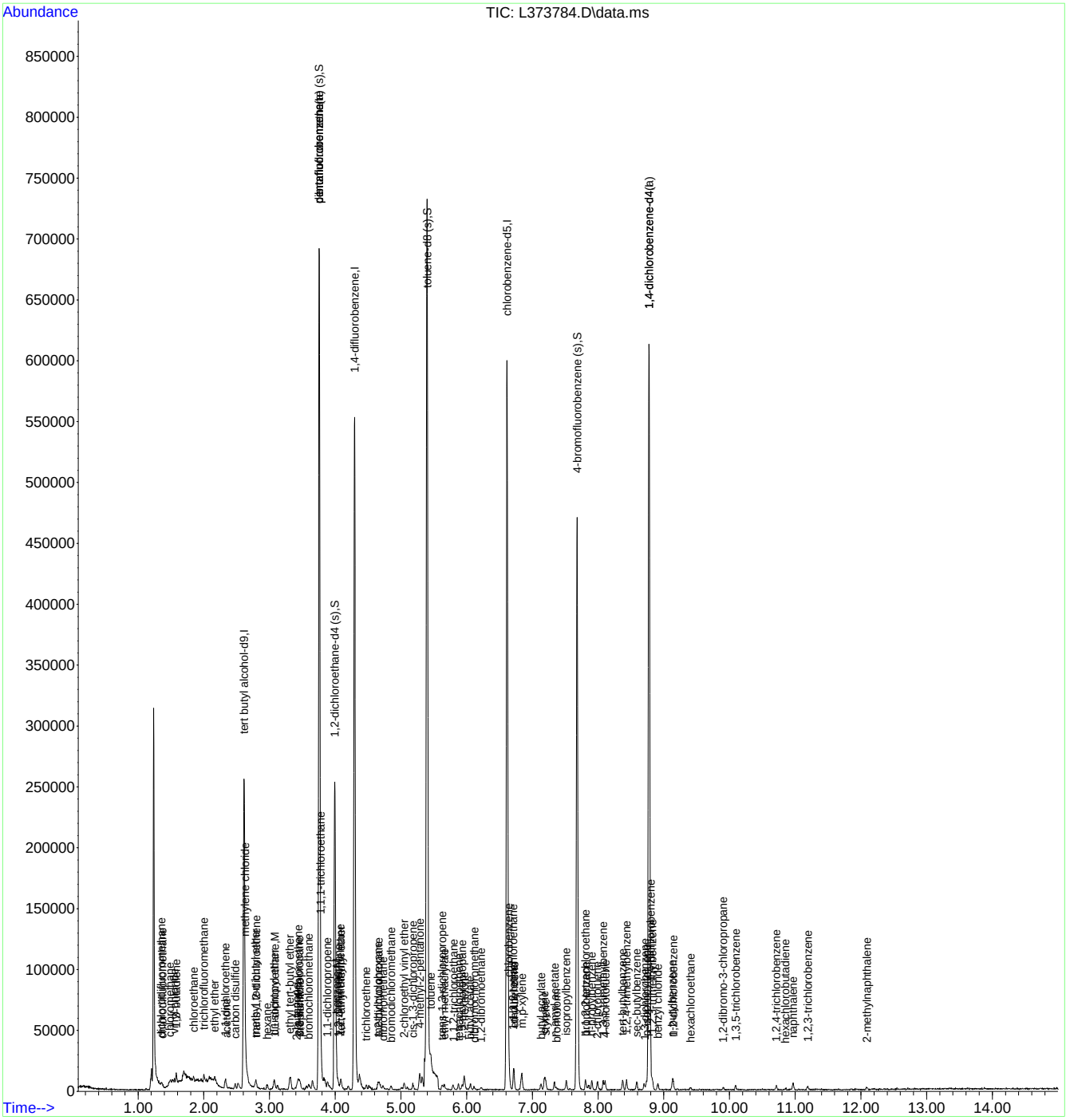
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
75)	trans-1,3-dichloropropene	5.626	75	1792	0.4464	ug/L		75
76)	ethyl methacrylate	5.658	69	2146	0.5747	ug/L		81
77)	1,1,2-trichloroethane	5.800	83	949m	0.4570	ug/L		
78)	2-hexanone	5.963	58	3461	2.0762	ug/L		96
79)	tetrachloroethene	5.880	166	1192m	0.4495	ug/L		
80)	1,3-dichloropropane	5.928	76	1876	0.4643	ug/L		63
81)	butyl acetate	6.053	56	1249	0.5722	ug/L	#	79
82)	dibromochloromethane	6.117	129	1430	0.5462	ug/L	#	60
83)	1,2-dibromoethane	6.220	107	1038	0.3801	ug/L		78
84)	n-butyl ether	6.714	57	5296	0.5172	ug/L		98
85)	chlorobenzene	6.640	112	3273	0.5198	ug/L		88
86)	1,1,1,2-tetrachloroethane	6.708	131	978	0.4194	ug/L		75
87)	ethylbenzene	6.724	91	5607	0.4932	ug/L		96
88)	m,p-xylene	6.843	106	4478	1.0386	ug/L		86
89)	o-xylene	7.183	106	2123	0.5103	ug/L	#	80
90)	butyl acrylate	7.135	55	3555	0.6139	ug/L		93
91)	styrene	7.202	104	3408	0.4769	ug/L		87
92)	bromoform	7.369	173	996	0.5228	ug/L		81
93)	n-amyl acetate	7.337	70	1209	0.5517	ug/L	#	57
94)	isopropylbenzene	7.516	105	5192	0.5011	ug/L		93
98)	bromobenzene	7.812	156	1246	0.4808	ug/L		97
99)	1,1,2,2-tetrachloroethane	7.808	83	1868	0.4935	ug/L		77
102)	n-propylbenzene	7.905	91	6140	0.4787	ug/L		95
103)	2-chlorotoluene	7.988	126	1138	0.4633	ug/L	#	45
104)	4-chlorotoluene	8.110	126	1305	0.5101	ug/L	#	71
105)	1,3,5-trimethylbenzene	8.078	105	4131	0.4583	ug/L		95
106)	tert-butylbenzene	8.373	119	3463	0.5014	ug/L		95
107)	1,2,4-trimethylbenzene	8.434	105	3975	0.4389	ug/L		83
108)	sec-butylbenzene	8.588	105	4885	0.4688	ug/L		95
109)	1,3-dichlorobenzene	8.710	146	2434	0.5133	ug/L		81
110)	p-isopropyltoluene	8.736	119	4037	0.4685	ug/L		80
111)	1,4-dichlorobenzene	8.800	146	2622	0.5460	ug/L		99
112)	1,2,3-trimethylbenzene	8.826	105	4751	0.5080	ug/L		92
113)	1,2-dichlorobenzene	9.143	146	2075	0.4518	ug/L		86
114)	n-butylbenzene	9.127	92	1768	0.4078	ug/L		86
115)	1,2-dibromo-3-chloropr...	9.901	157	444	0.4250	ug/L		88
116)	1,3,5-trichlorobenzene	10.093	180	1386	0.4475	ug/L	#	61
117)	1,2,4-trichlorobenzene	10.709	180	1153	0.4244	ug/L		90
118)	hexachlorobutadiene	10.850	225	408	0.3969	ug/L	#	54
119)	naphthalene	10.966	128	4609	0.4654	ug/L		95
120)	1,2,3-trichlorobenzene	11.191	180	1275	0.5063	ug/L	#	73
121)	hexachloroethane	9.406	119	536	0.3863	ug/L	#	68
122)	benzyl chloride	8.909	91	3876	0.5079	ug/L		89
123)	2-methylnaphthalene	12.092	142	905	0.2393	ug/L		89

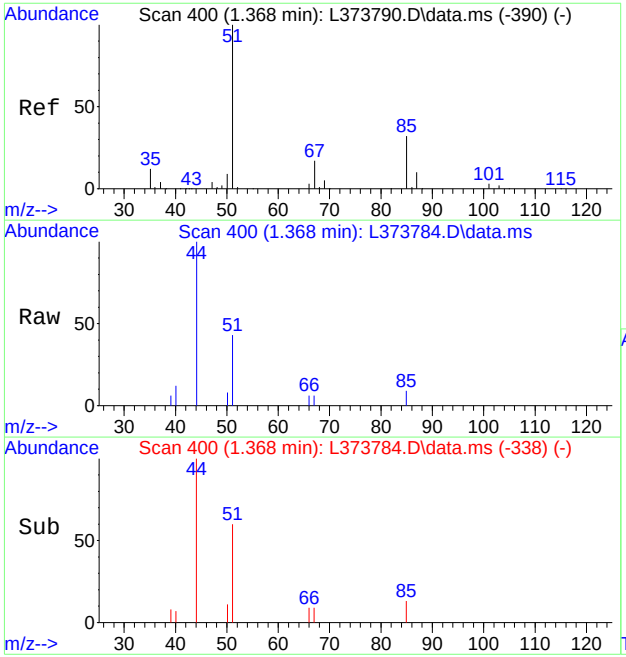
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373784.D
Acq On : 16 Oct 2025 6:25 pm
Operator : BridgetK
Sample : ic11472-0.5
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 17 09:53:01 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 09:45:21 2025
Response via : Initial Calibration

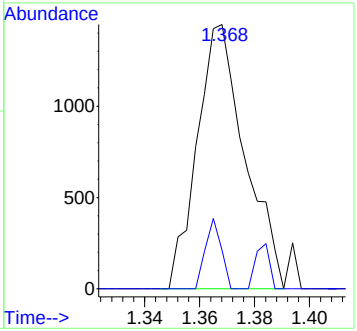


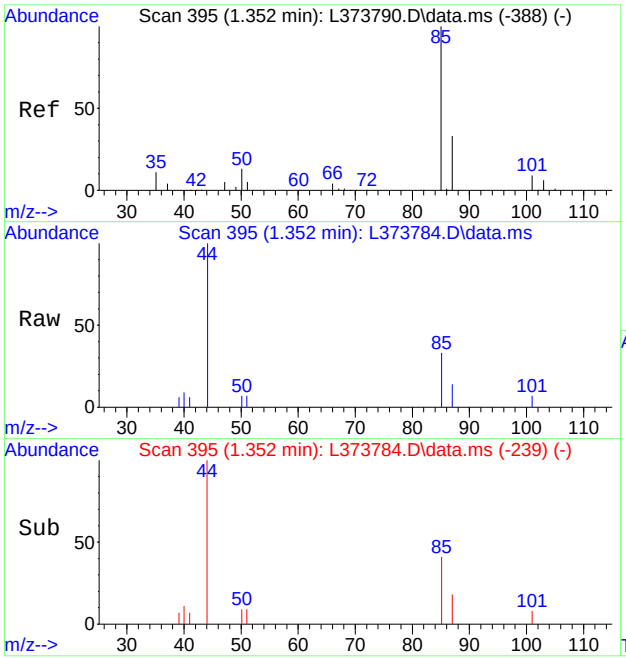


#6
chlorodifluoromethane
Concen: 0.51 ug/L
RT: 1.368 min Scan# 400
Delta R.T. 0.000 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 51 Resp: 1753

Ion	Ratio	Lower	Upper
51	100		
67	14.7	0.0	37.0

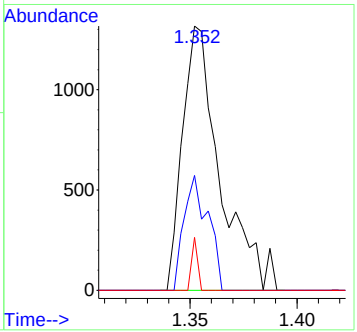


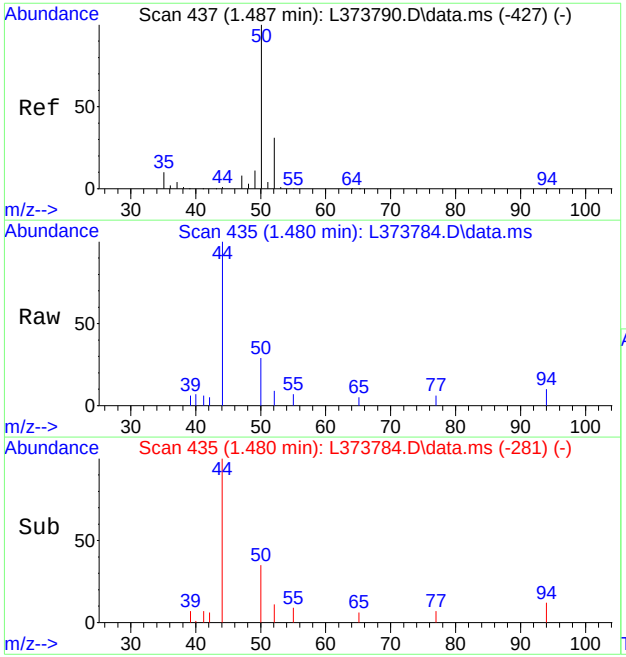


#7
dichlorodifluoromethane
Concen: 0.42 ug/L
RT: 1.352 min Scan# 395
Delta R.T. 0.000 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 85 Resp: 1611

Ion	Ratio	Lower	Upper
85	100		
87	43.5	2.8	62.8
101	20.0	0.0	38.9

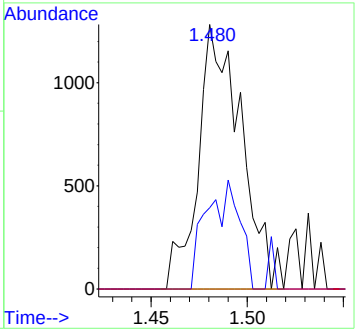


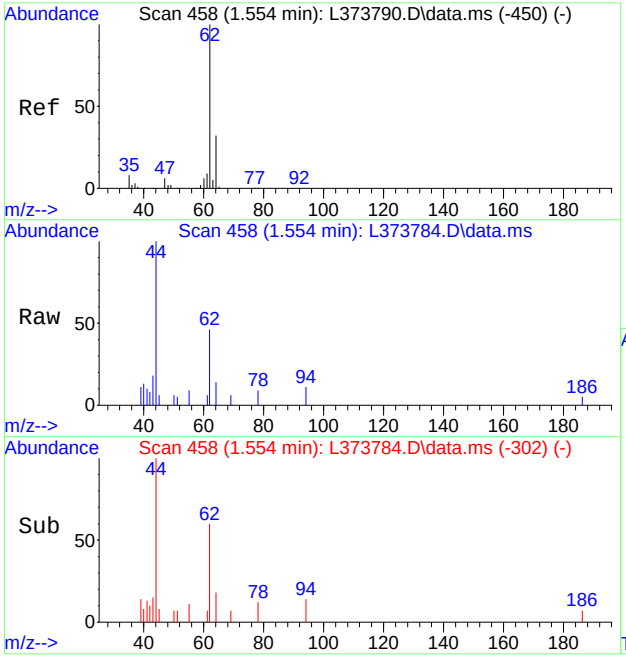


#8
chloromethane
Concen: 0.60 ug/L
RT: 1.480 min Scan# 435
Delta R.T. -0.006 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 50 Resp: 2000

Ion	Ratio	Lower	Upper
50	100		
52	30.6	1.5	61.5
49	0.0	0.0	41.1

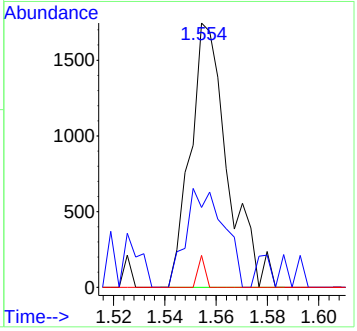


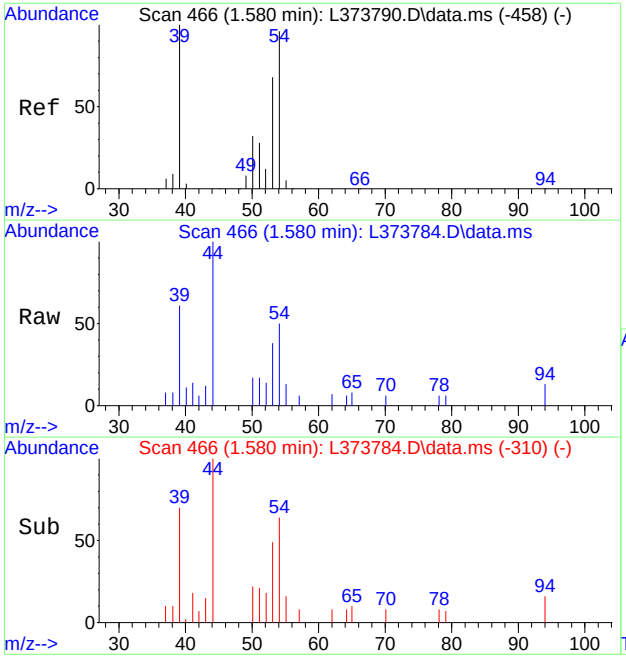


#9
vinyl chloride
Concen: 0.52 ug/L
RT: 1.554 min Scan# 458
Delta R.T. 0.000 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 62 Resp: 1757

Ion	Ratio	Lower	Upper
62	100		
64	30.2	2.2	62.2
61	12.1	0.0	38.5

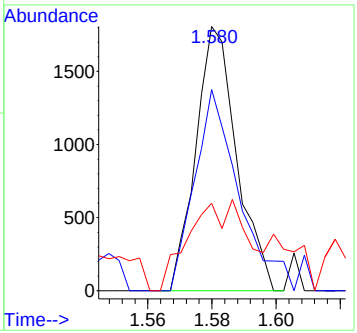


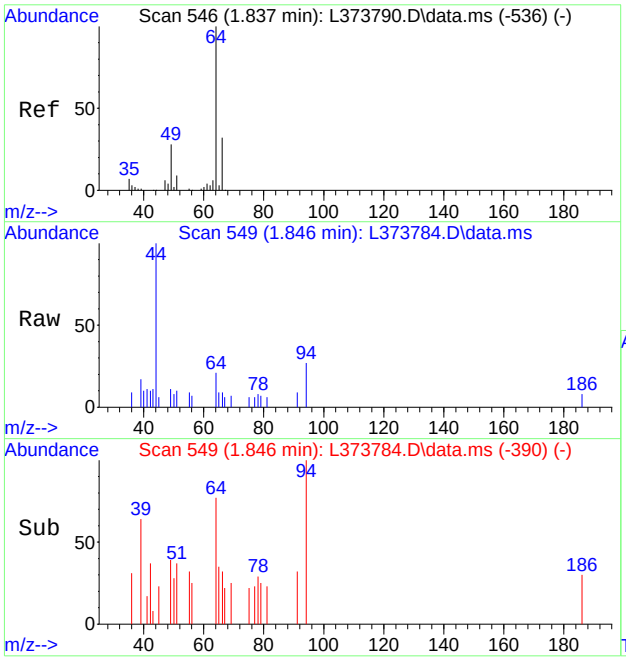


#10
1,3-butadiene
Concen: 0.53 ug/L
RT: 1.580 min Scan# 466
Delta R.T. 0.000 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 54 Resp: 1601

Ion	Ratio	Lower	Upper
54	100		
53	76.2	40.7	100.7
51	33.1	0.0	59.5

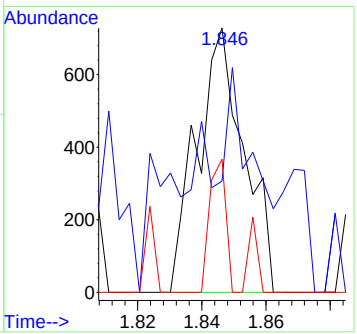




#12
chloroethane
Concen: 0.54 ug/L
RT: 1.846 min Scan# 549
Delta R.T. 0.010 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

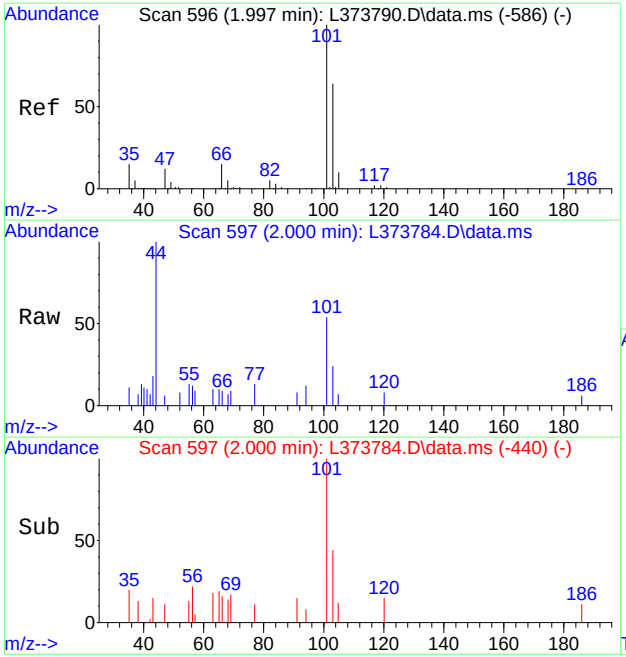
Tgt Ion: 64 Resp: 742

Ion	Ratio	Lower	Upper
64	100		
66	3.8	1.8	61.8
49	50.3	0.0	57.7



7.6.30

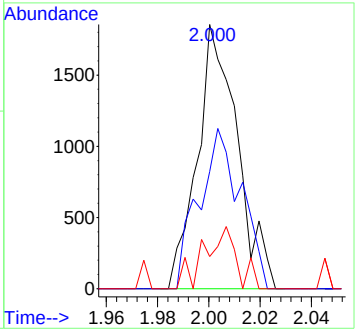
7

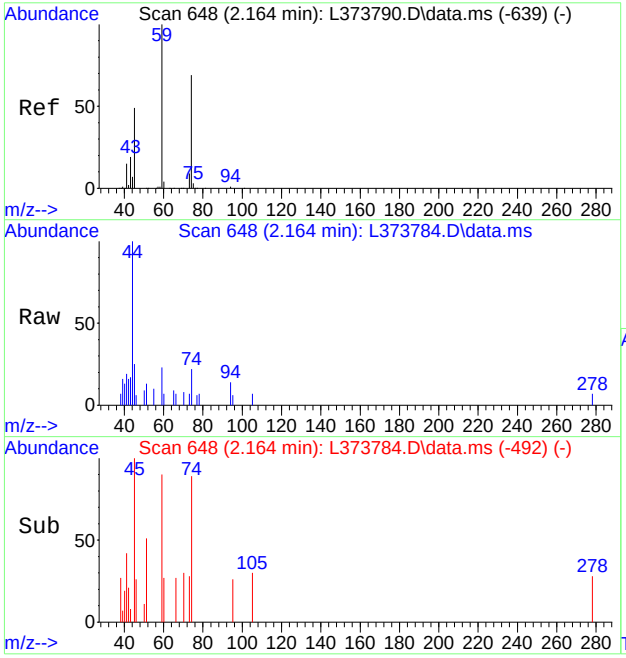


#13
trichlorofluoromethane
Concen: 0.44 ug/L
RT: 2.000 min Scan# 597
Delta R.T. 0.003 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion:101 Resp: 2005

Ion	Ratio	Lower	Upper
101	100		
103	44.3	33.8	93.8
105	12.2	0.0	40.0

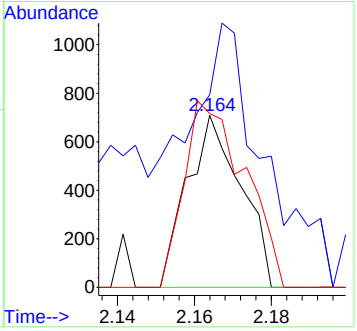


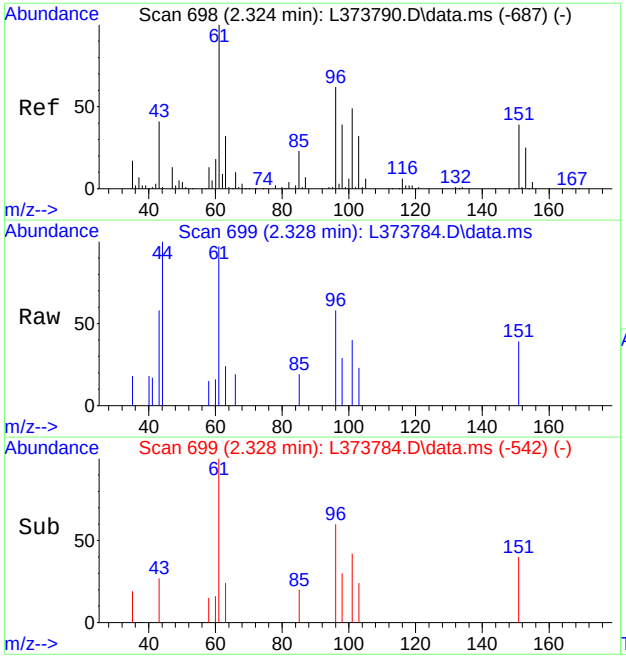


#14
ethyl ether
Concen: 0.48 ug/L
RT: 2.164 min Scan# 648
Delta R.T. 0.000 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 74 Resp: 687

Ion	Ratio	Lower	Upper
74	100		
45	76.2	102.0	162.0#
59	101.0	114.2	174.2#

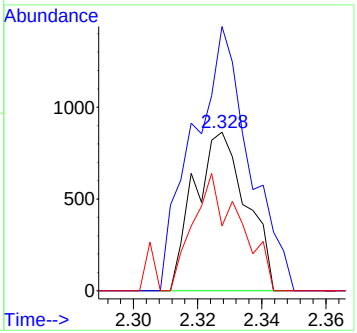


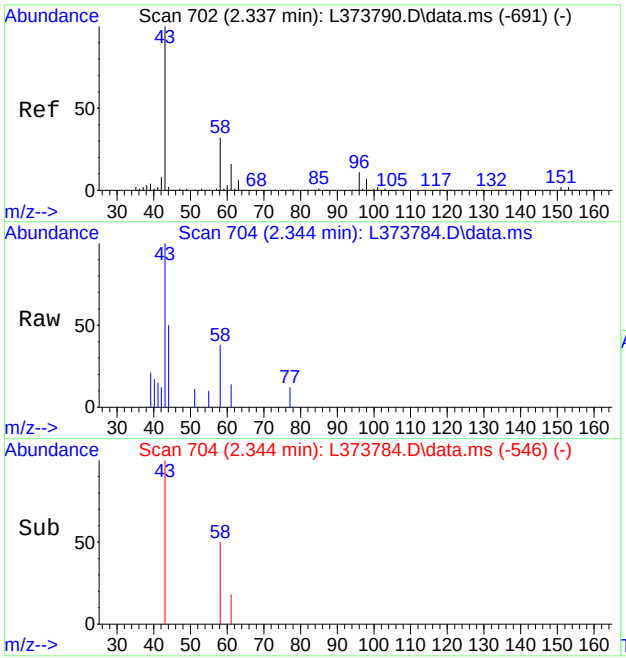


#17
1,1-dichloroethene
Concen: 0.42 ug/L
RT: 2.328 min Scan# 699
Delta R.T. 0.003 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 96 Resp: 975

Ion	Ratio	Lower	Upper
96	100		
61	166.6	131.4	191.4
63	40.8	22.3	82.3

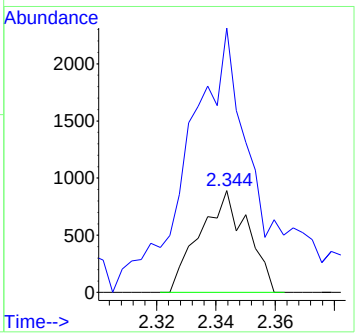


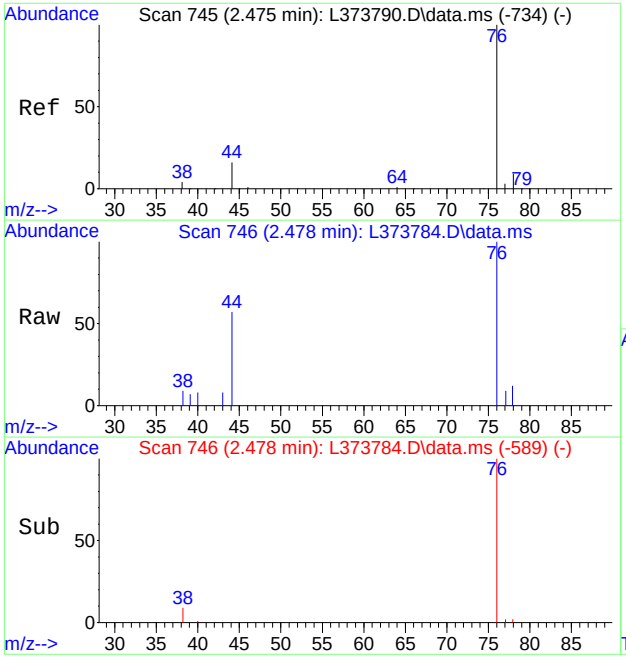


#18
acetone
Concen: 2.28 ug/L
RT: 2.344 min Scan# 704
Delta R.T. 0.006 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 58 Resp: 996

Ion	Ratio	Lower	Upper
58	100		
43	215.7	286.5	346.5#

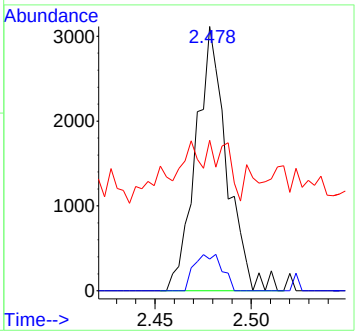


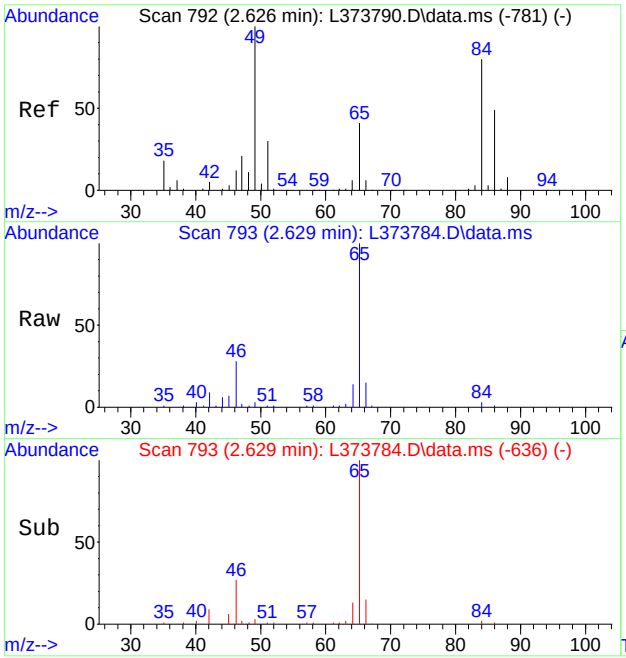


#22
carbon disulfide
Concen: 0.50 ug/L
RT: 2.478 min Scan# 746
Delta R.T. 0.003 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 76 Resp: 3479

Ion	Ratio	Lower	Upper
76	100		
78	12.0	0.0	38.9
44	9.8	0.0	46.1

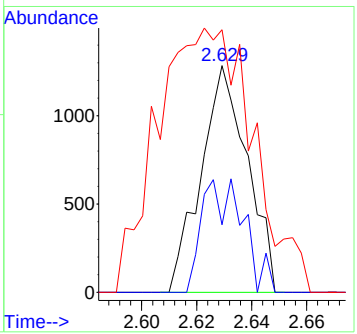


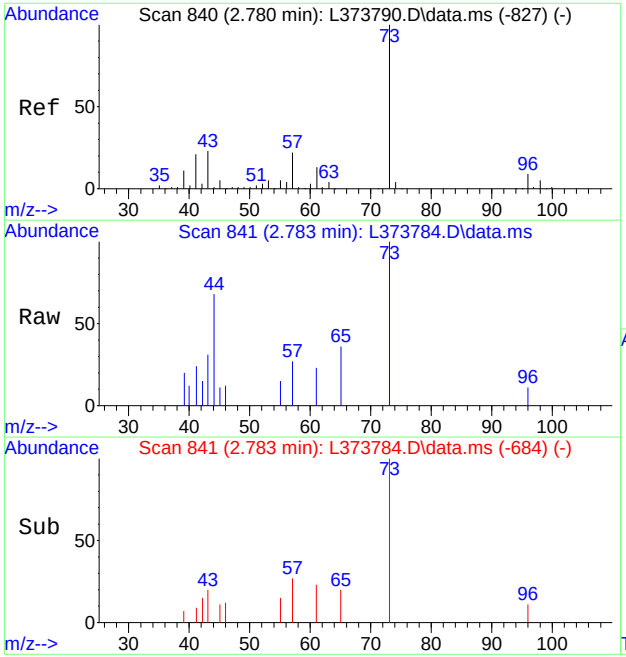


#23
methylene chloride
Concen: 0.56 ug/L
RT: 2.629 min Scan# 793
Delta R.T. 0.003 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 84 Resp: 1505

Ion	Ratio	Lower	Upper
84	100		
86	29.8	31.2	91.2#
49	92.4	95.6	155.6#

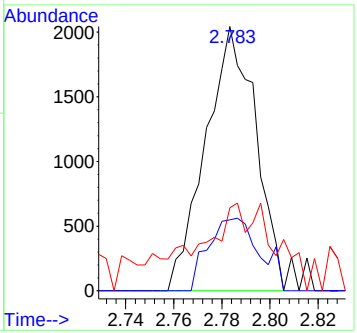


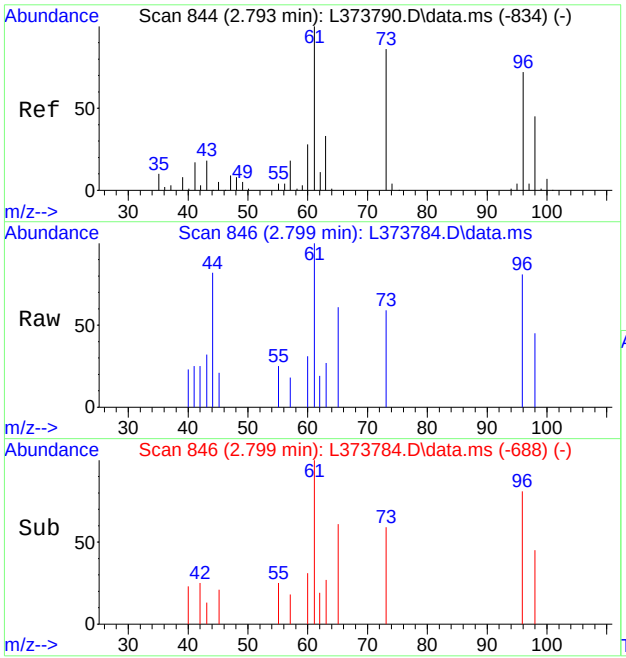


#25
methyl tert butyl ether
Concen: 0.37 ug/L
RT: 2.783 min Scan# 841
Delta R.T. 0.003 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 73 Resp: 2959

Ion	Ratio	Lower	Upper
73	100		
57	26.8	0.0	52.4
43	19.3	0.0	52.7

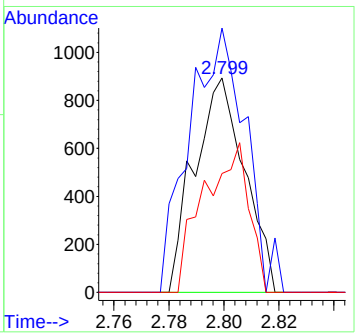


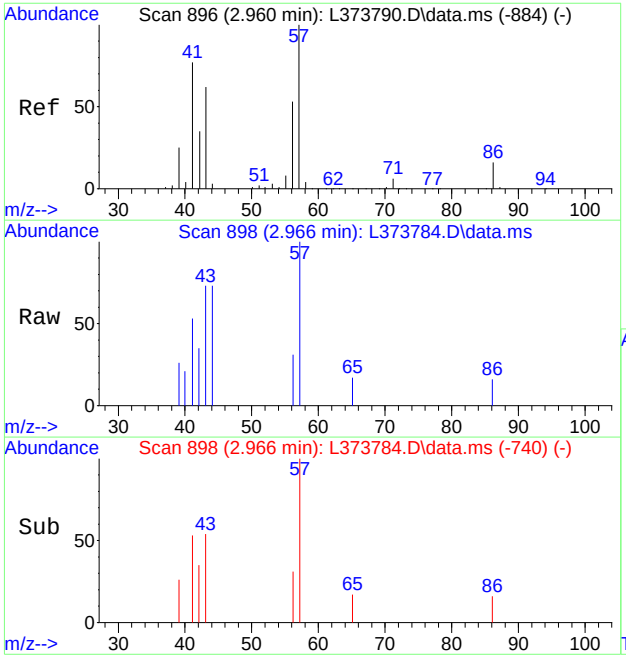


#26
trans-1,2-dichloroethene
Concen: 0.44 ug/L
RT: 2.799 min Scan# 846
Delta R.T. 0.006 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 96 Resp: 1135

Ion	Ratio	Lower	Upper
96	100		
61	123.3	109.1	169.1
98	55.4	32.0	92.0

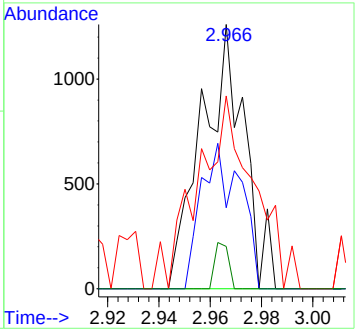


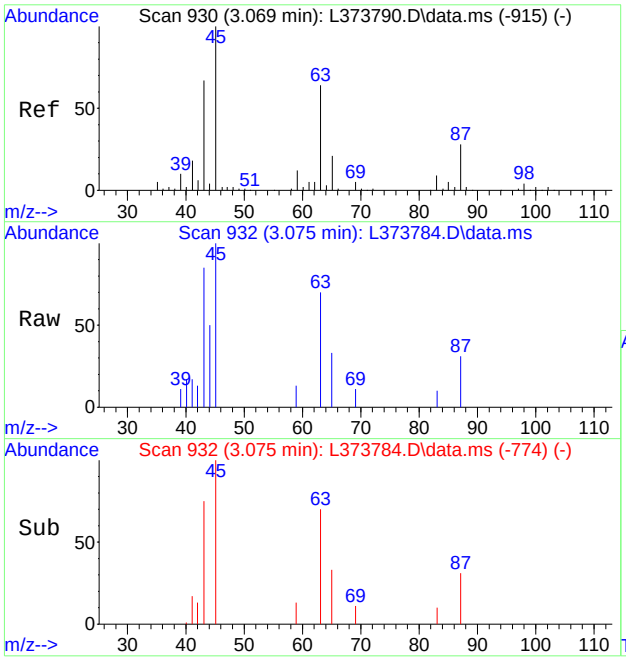


#27
hexane
Concen: 0.42 ug/L
RT: 2.966 min Scan# 898
Delta R.T. 0.006 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 57 Resp: 1456

Ion	Ratio	Lower	Upper
57	100		
56	30.7	32.9	72.9#
43	72.9	41.9	81.9
86	16.0	0.0	36.3

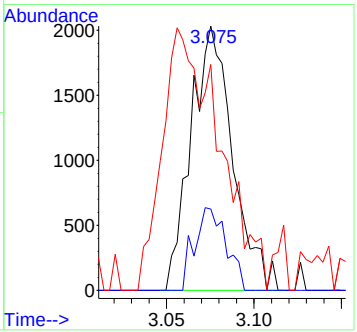




#28
di-isopropyl ether
Concen: 0.41 ug/L
RT: 3.075 min Scan# 932
Delta R.T. 0.006 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

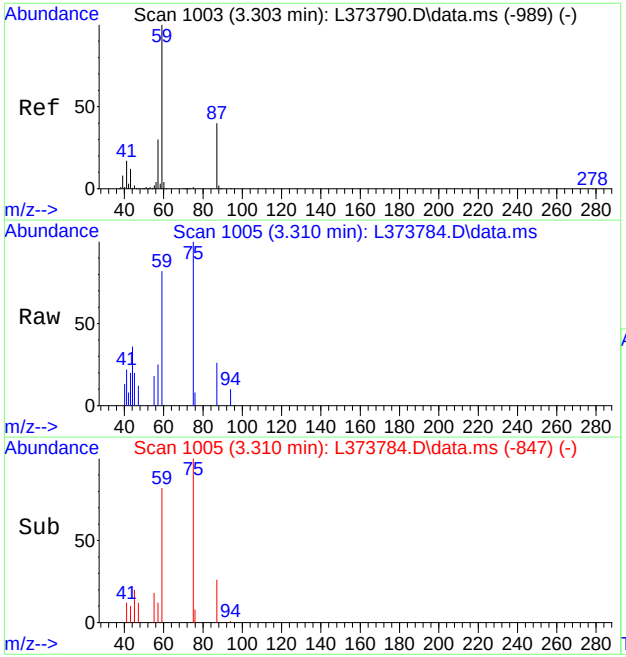
Tgt Ion: 45 Resp: 3386

Ion	Ratio	Lower	Upper
45	100		
87	30.8	0.0	57.5
43	60.8	37.5	97.5



7.6.30

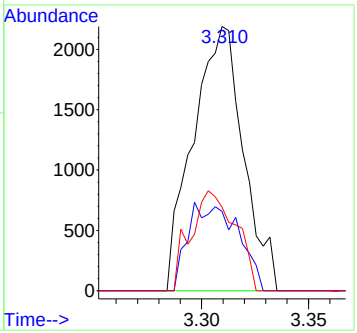
7

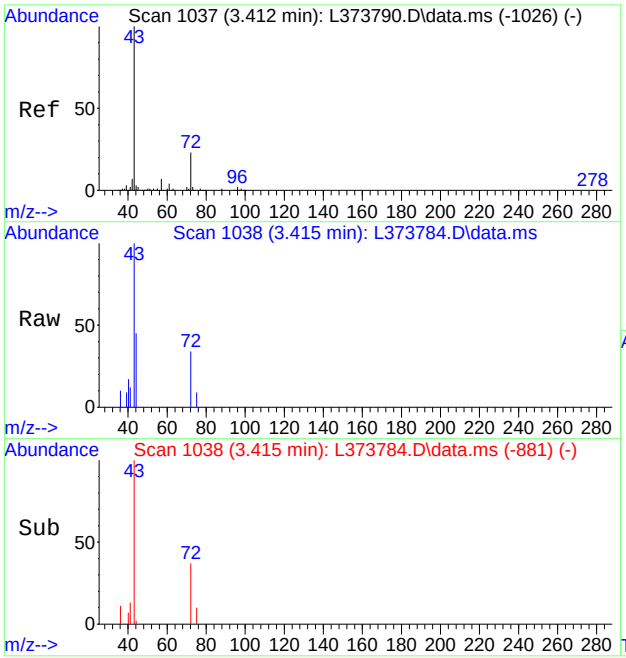


#29
ethyl tert-butyl ether
Concen: 0.42 ug/L
RT: 3.310 min Scan# 1005
Delta R.T. 0.006 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 59 Resp: 3601

Ion	Ratio	Lower	Upper
59	100		
57	30.0	0.3	60.3
87	31.6	9.6	69.6

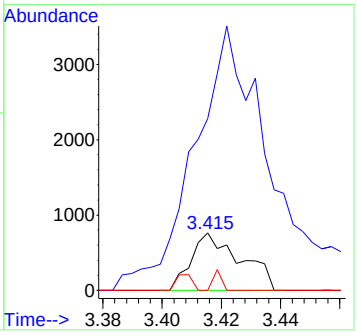


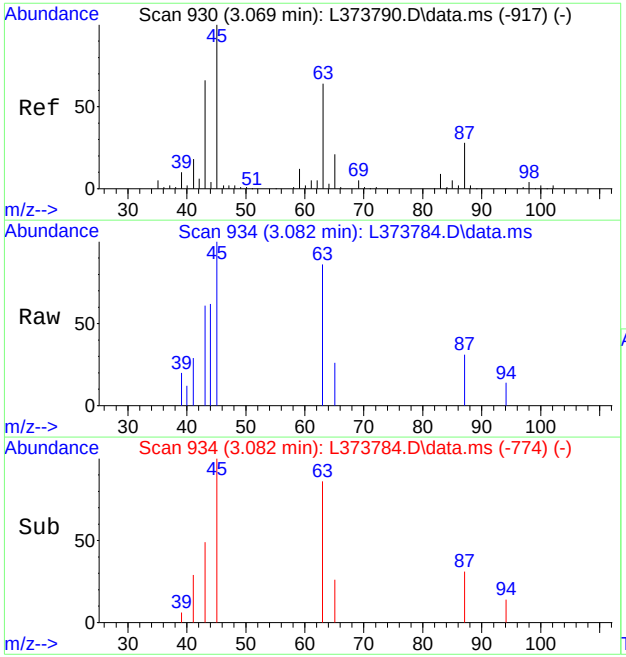


#30
2-butanone
Concen: 1.46 ug/L
RT: 3.415 min Scan# 1038
Delta R.T. 0.003 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 72 Resp: 882

Ion	Ratio	Lower	Upper
72	100		
43	252.9	411.9	471.9#
57	0.0	2.4	62.4#

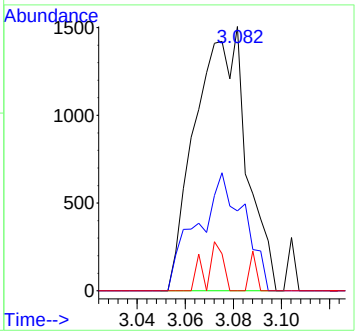


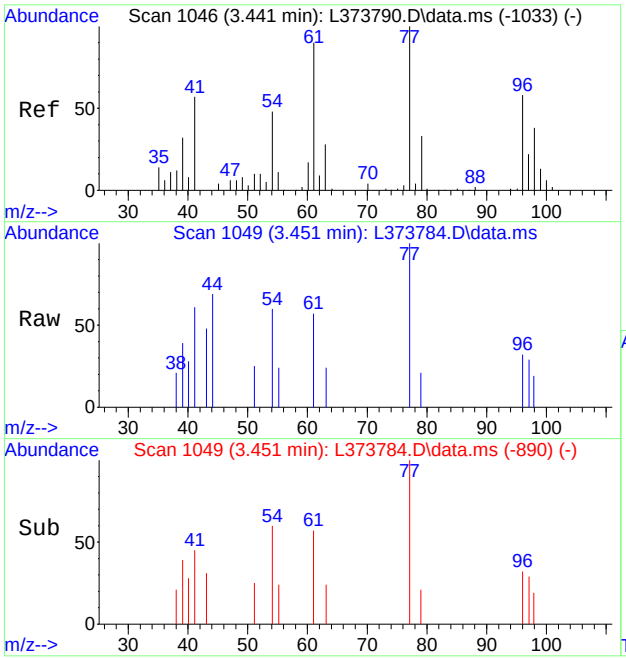


#31
1,1-dichloroethane
Concen: 0.45 ug/L
RT: 3.082 min Scan# 934
Delta R.T. 0.013 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 63 Resp: 2198

Ion	Ratio	Lower	Upper
63	100		
65	30.2	2.5	62.5
83	0.0	0.0	43.5

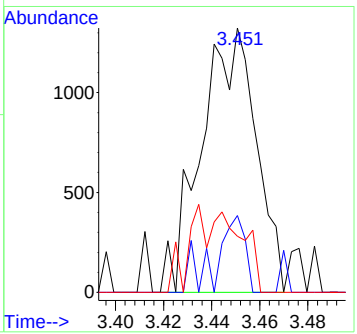


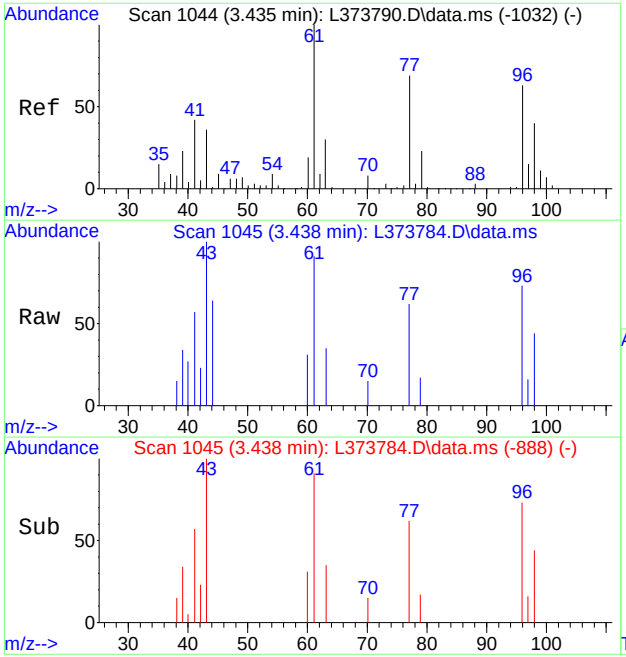


#36
2,2-dichloropropane
Concen: 0.49 ug/L
RT: 3.451 min Scan# 1049
Delta R.T. 0.010 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 77 Resp: 2114

Ion	Ratio	Lower	Upper
77	100		
97	29.0	0.0	52.3
79	21.2	3.0	63.0

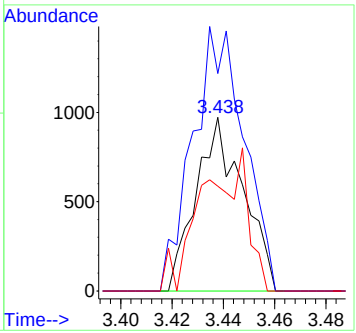


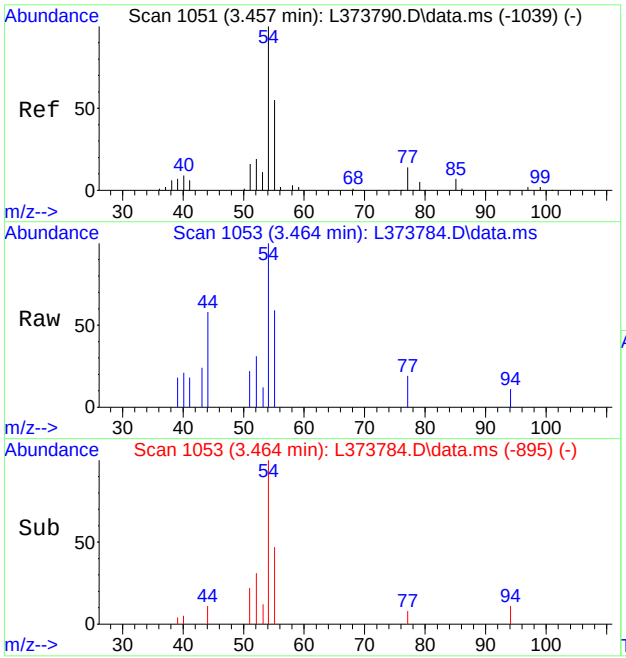


#37
cis-1,2-dichloroethene
Concen: 0.44 ug/L
RT: 3.438 min Scan# 1045
Delta R.T. 0.003 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 96 Resp: 1238

Ion	Ratio	Lower	Upper
96	100		
61	125.2	128.7	188.7#
98	60.2	34.1	94.1

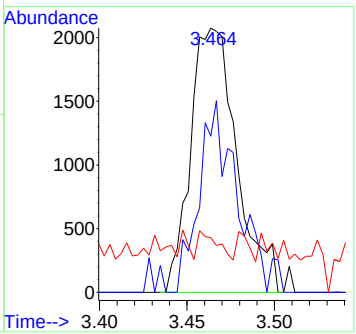


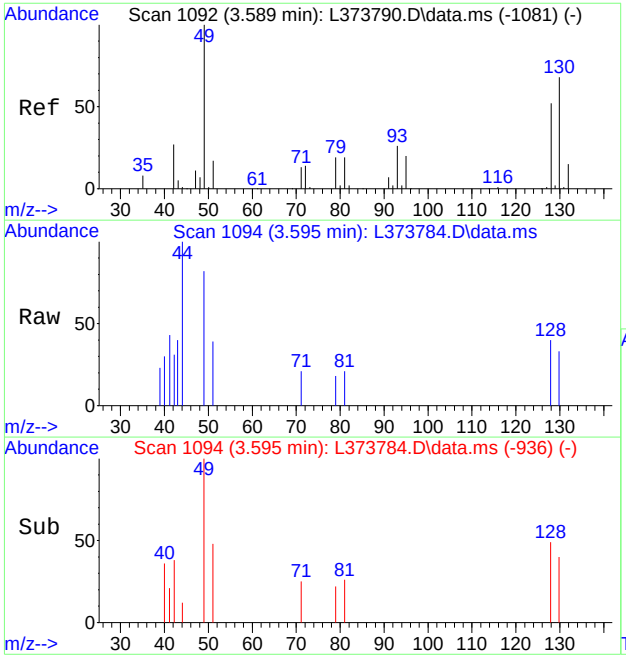


#38
propionitrile
Concen: 5.09 ug/L
RT: 3.464 min Scan# 1053
Delta R.T. 0.006 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 54 Resp: 3839

Ion	Ratio	Lower	Upper
54	100		
55	59.0	25.4	85.4
40	5.0	0.0	39.0

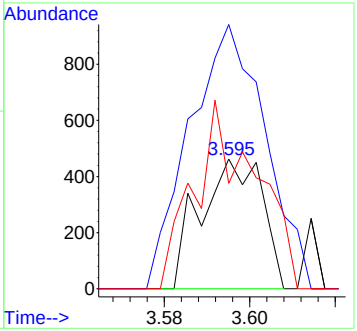


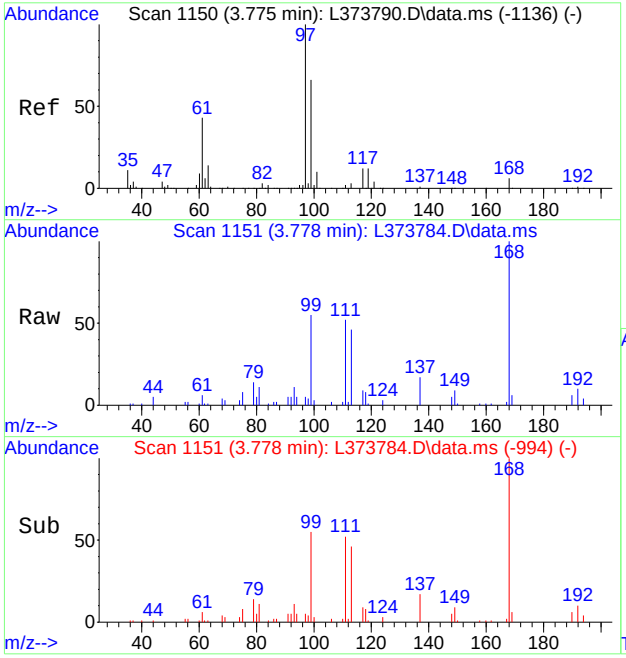


#40
bromochloromethane
Concen: 0.38 ug/L
RT: 3.595 min Scan# 1094
Delta R.T. 0.006 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion:128 Resp: 465

Ion	Ratio	Lower	Upper
128	100		
49	160.0	163.3	223.3#
130	81.2	100.3	160.3#

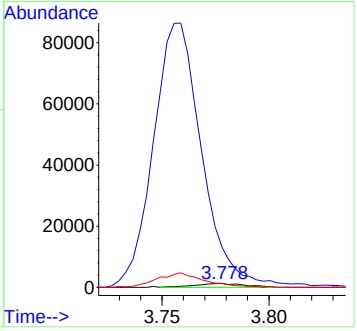


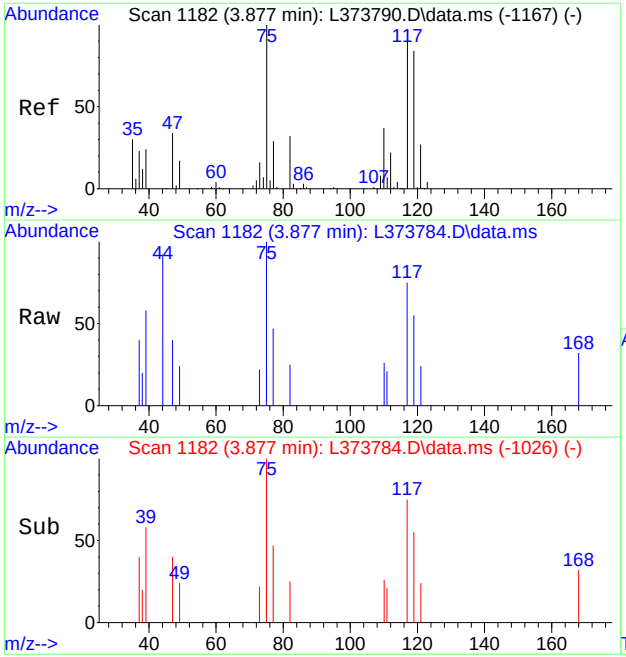


#45
1,1,1-trichloroethane
Concen: 0.49 ug/L
RT: 3.778 min Scan# 1151
Delta R.T. 0.003 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 97 Resp: 2147

Ion	Ratio	Lower	Upper
97	100		
99	913.7	41.0	101.0#
61	104.3	12.9	72.9#

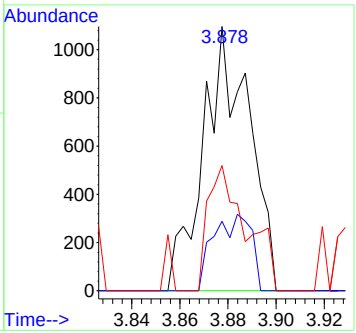


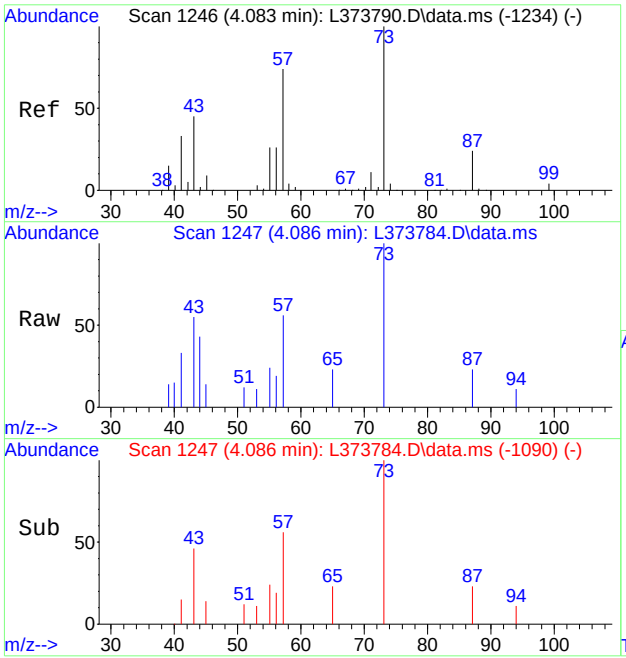


#47
1,1-dichloropropene
Concen: 0.39 ug/L
RT: 3.877 min Scan# 1182
Delta R.T. 0.000 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 75 Resp: 1457

Ion	Ratio	Lower	Upper
75	100		
110	26.3	17.0	57.0
77	47.4	10.2	50.2

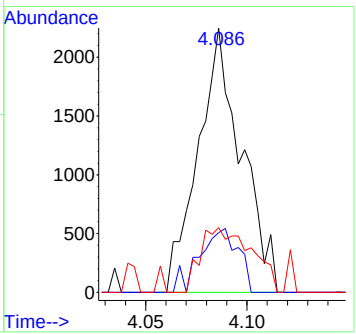


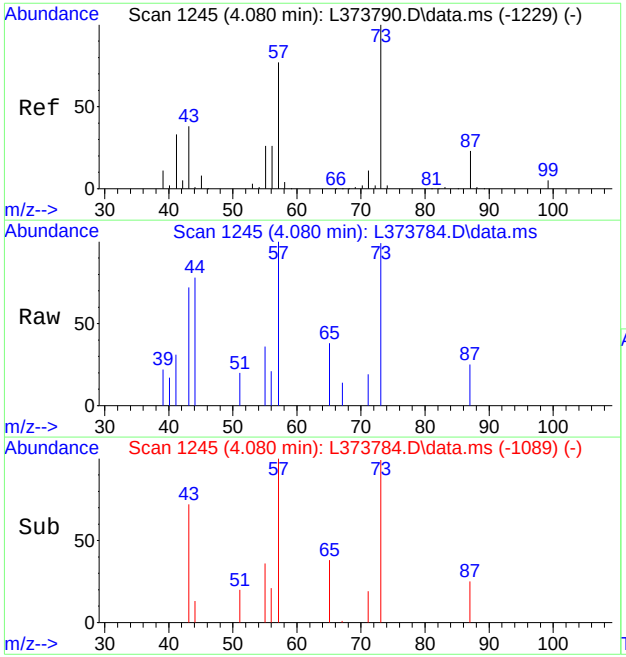


#53
tert-amyl methyl ether
Concen: 0.44 ug/L
RT: 4.086 min Scan# 1247
Delta R.T. 0.003 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 73 Resp: 3343

Ion	Ratio	Lower	Upper
73	100		
87	22.6	4.6	44.6
55	24.5	5.7	45.7

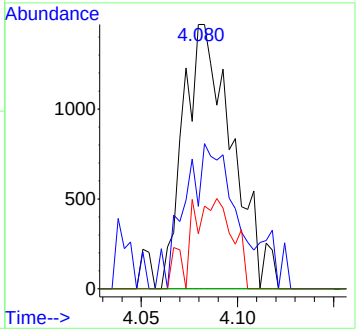


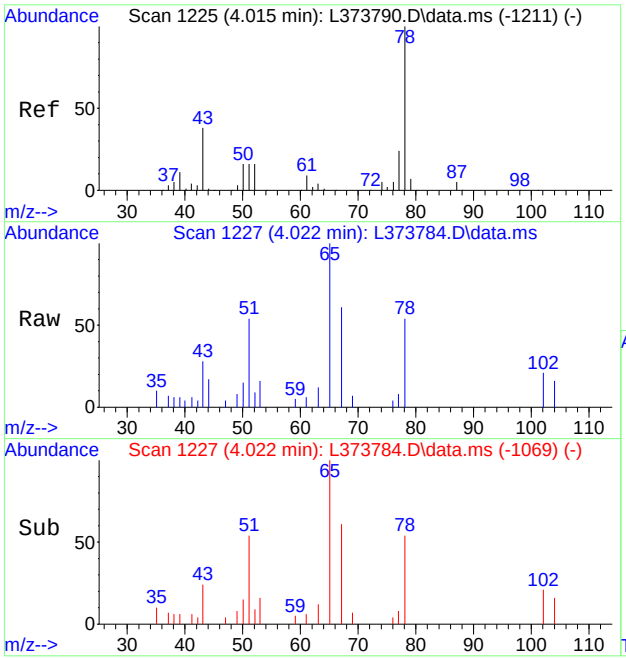


#54
2,2,4-trimethylpentane
Concen: 0.44 ug/L
RT: 4.080 min Scan# 1245
Delta R.T. 0.000 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 57 Resp: 2599

Ion	Ratio	Lower	Upper
57	100		
41	16.0	25.1	65.1#
56	20.8	13.8	53.8
99	0.0	0.0	25.9

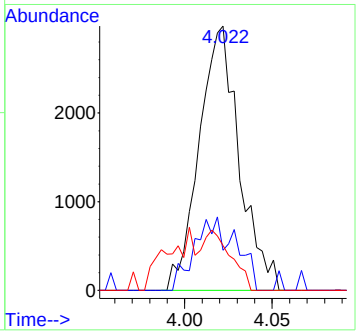


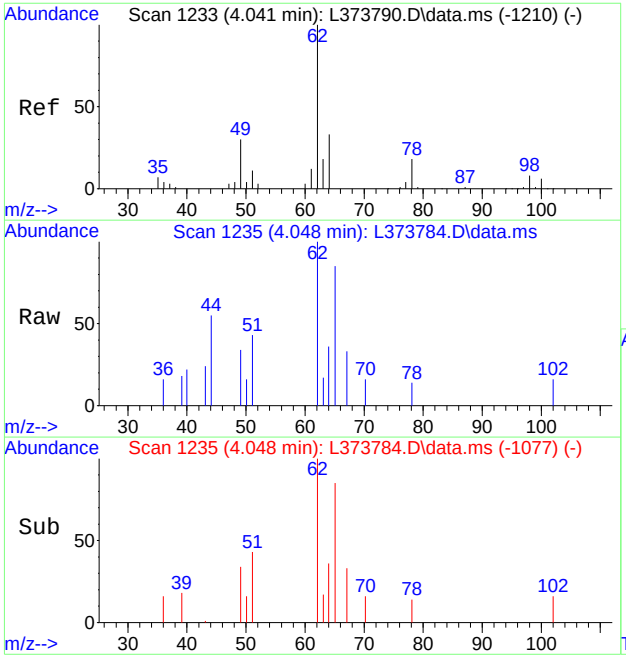


#56
benzene
Concen: 0.44 ug/L
RT: 4.022 min Scan# 1227
Delta R.T. 0.006 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 78 Resp: 4762

Ion	Ratio	Lower	Upper
78	100		
77	15.2	0.0	53.5
52	17.0	0.0	46.2

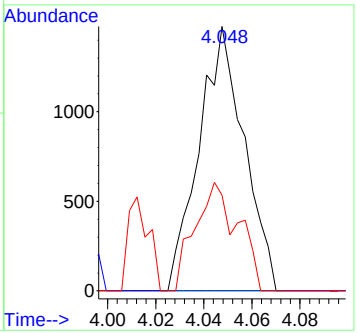


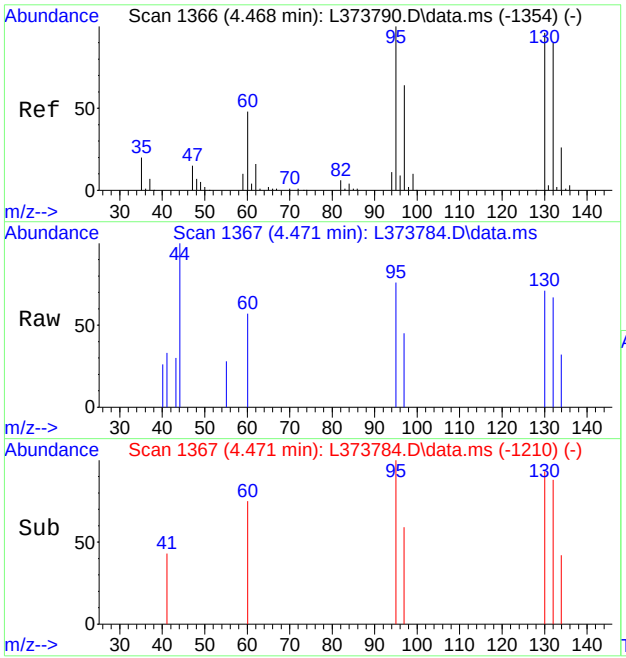


#58
1,2-dichloroethane
Concen: 0.53 ug/L
RT: 4.048 min Scan# 1235
Delta R.T. 0.006 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 62 Resp: 1925

Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	38.1
64	36.2	2.8	62.8

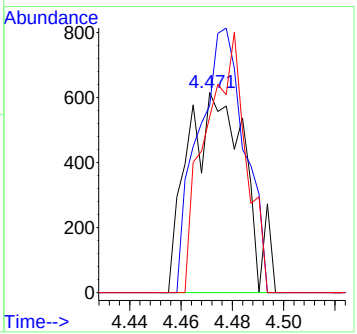


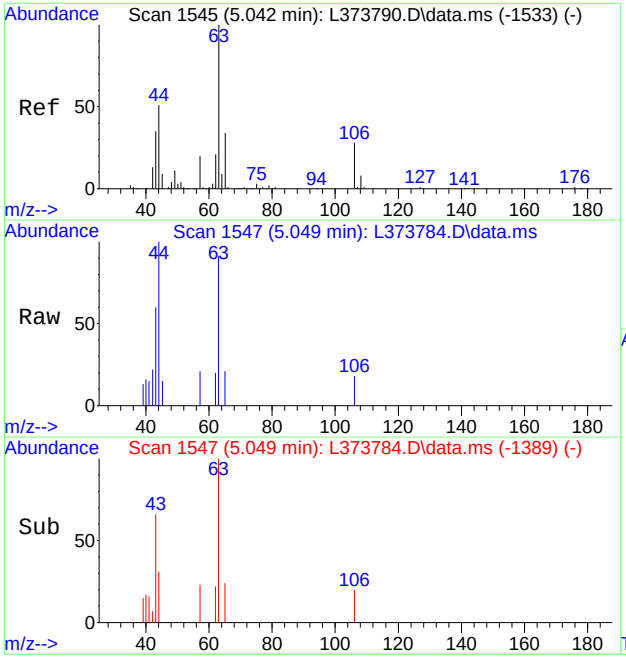


#59
trichloroethene
Concen: 0.35 ug/L
RT: 4.471 min Scan# 1367
Delta R.T. 0.003 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 95 Resp: 956

Ion	Ratio	Lower	Upper
95	100		
130	93.5	65.5	125.5
132	87.8	59.7	119.7

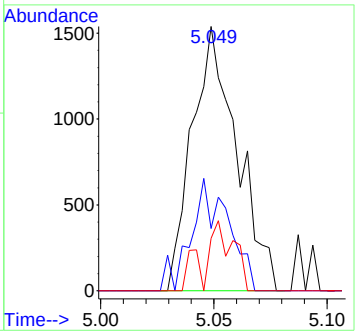


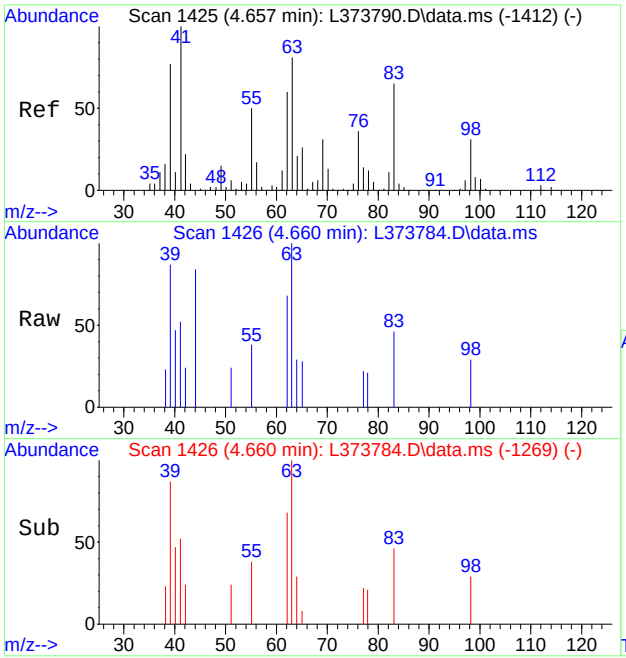


#62
2-chloroethyl vinyl ether
Concen: 2.58 ug/L
RT: 5.049 min Scan# 1547
Delta R.T. 0.006 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 63 Resp: 2118

Ion	Ratio	Lower	Upper
63	100		
65	23.5	3.9	63.9
106	19.9	0.0	57.6

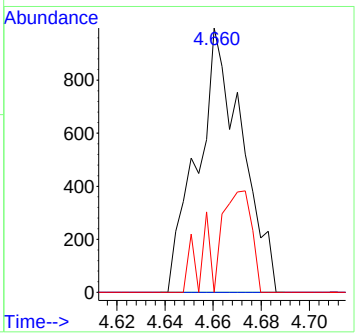


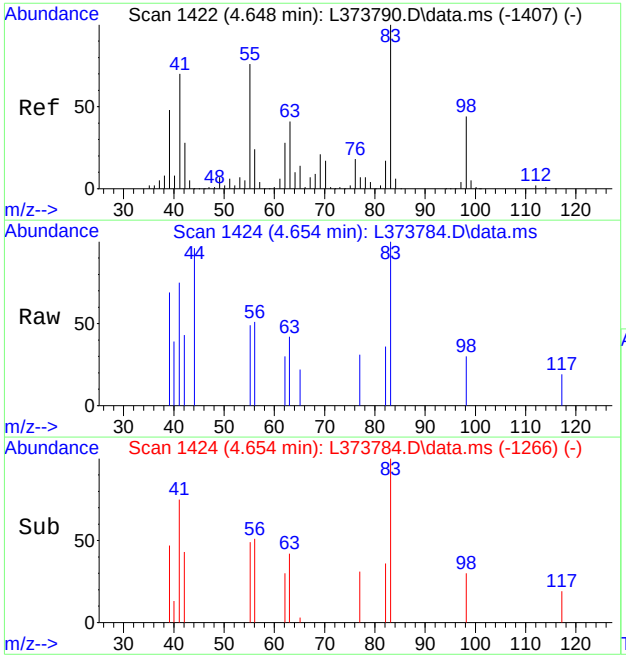


#64
1,2-dichloropropane
Concen: 0.52 ug/L
RT: 4.660 min Scan# 1426
Delta R.T. 0.003 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 63 Resp: 1281

Ion	Ratio	Lower	Upper
63	100		
112	0.0	0.0	34.1
76	0.0	14.3	74.3#

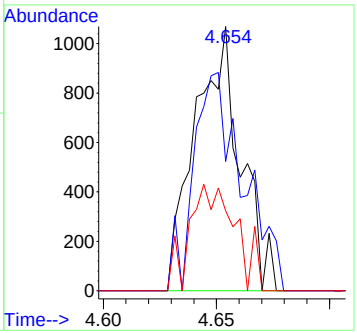


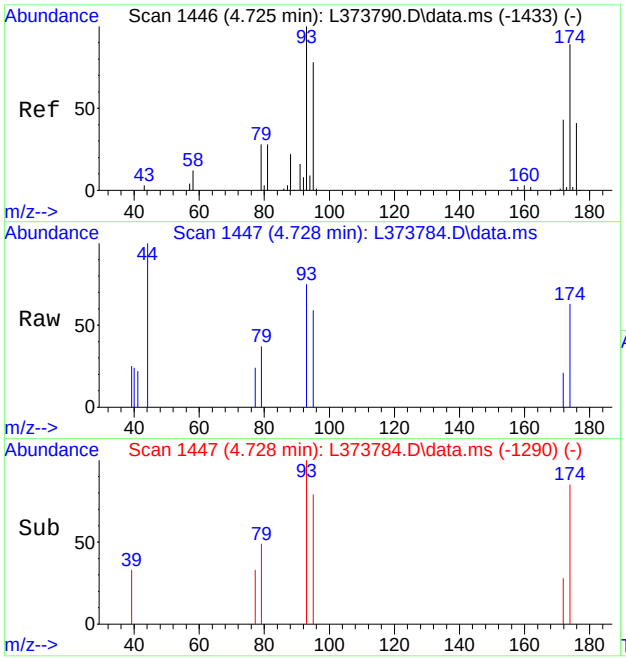


#65
methylcyclohexane
Concen: 0.40 ug/L
RT: 4.654 min Scan# 1424
Delta R.T. 0.006 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 83 Resp: 1493

Ion	Ratio	Lower	Upper
83	100		
55	48.9	46.3	106.3
98	30.2	13.7	73.7

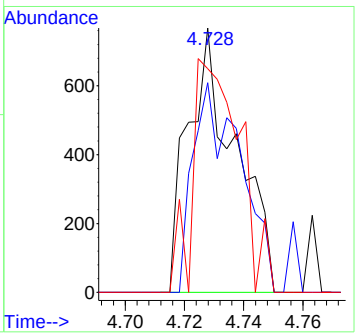


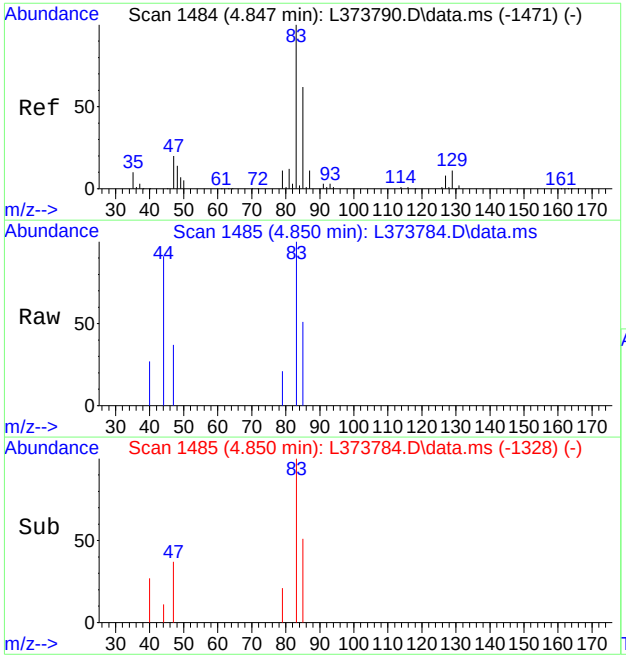


#66
dibromomethane
Concen: 0.51 ug/L
RT: 4.728 min Scan# 1447
Delta R.T. 0.003 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 93 Resp: 853

Ion	Ratio	Lower	Upper
93	100		
95	79.3	48.3	108.3
174	84.6	59.2	119.2

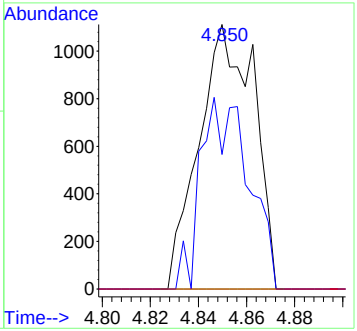


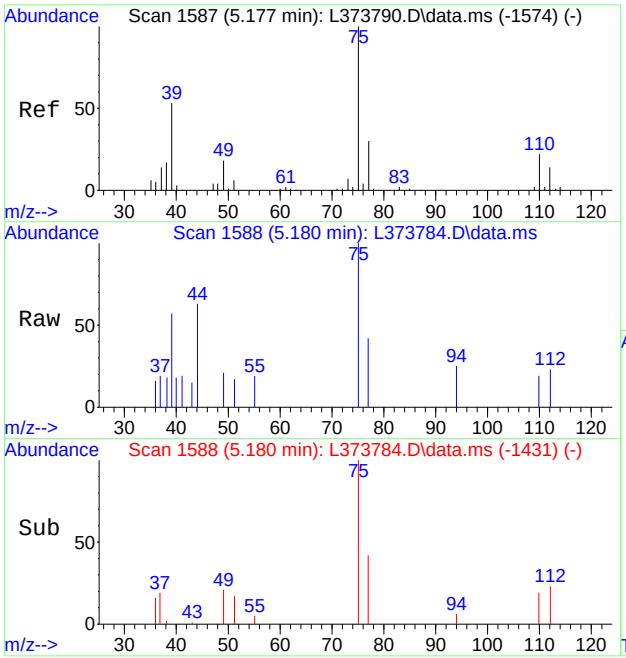


#67
bromodichloromethane
Concen: 0.51 ug/L
RT: 4.850 min Scan# 1485
Delta R.T. 0.003 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 83 Resp: 1773

Ion	Ratio	Lower	Upper
83	100		
85	50.8	31.5	91.5
127	0.0	0.0	38.3

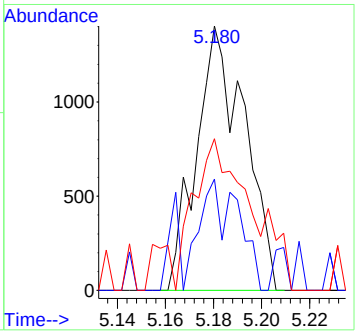


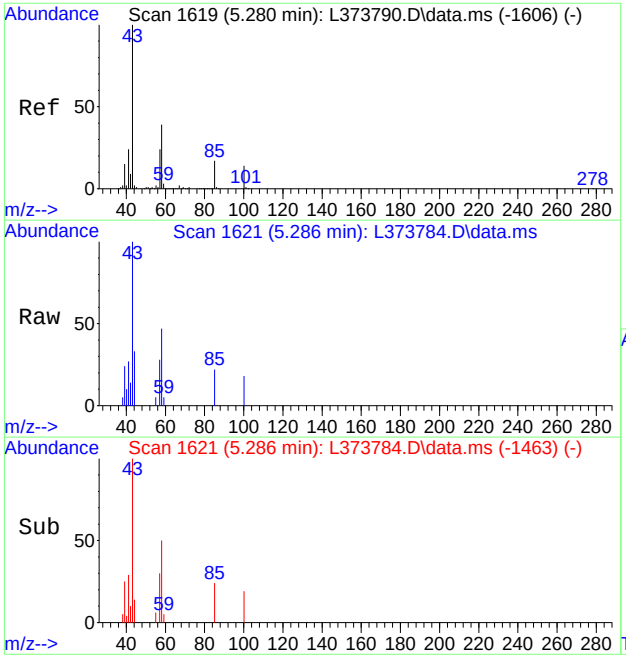


#68
cis-1,3-dichloropropene
Concen: 0.46 ug/L
RT: 5.180 min Scan# 1588
Delta R.T. 0.003 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 75 Resp: 1955

Ion	Ratio	Lower	Upper
75	100		
77	42.1	0.1	60.1
39	41.5	23.1	83.1

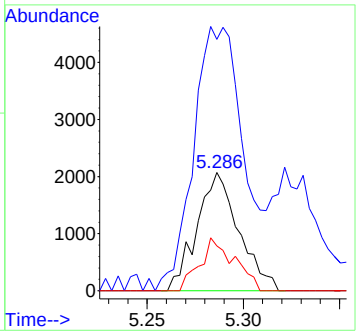


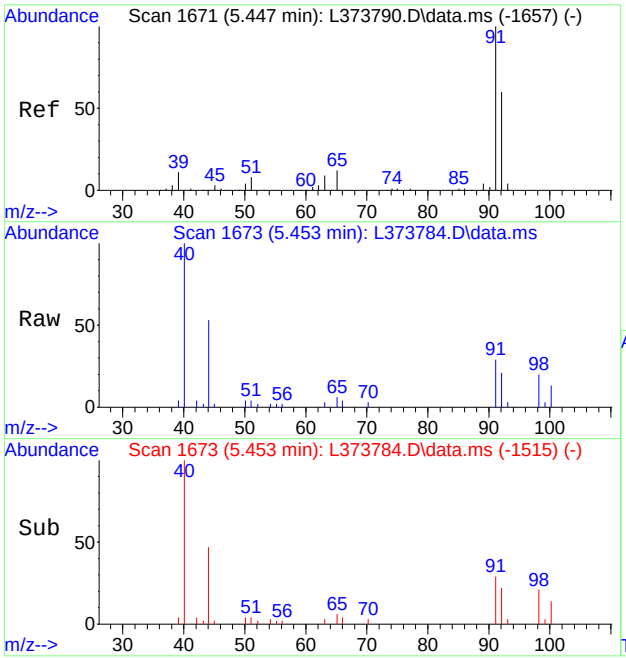


#70
4-methyl-2-pentanone
Concen: 2.10 ug/L
RT: 5.286 min Scan# 1621
Delta R.T. 0.006 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 58 Resp: 3142

Ion	Ratio	Lower	Upper
58	100		
43	202.2	233.3	273.3#
100	38.0	15.2	55.2

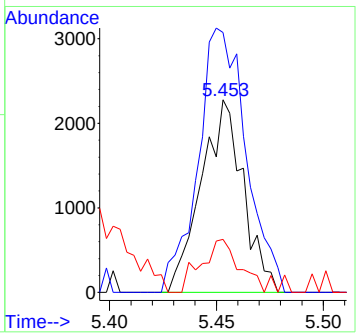


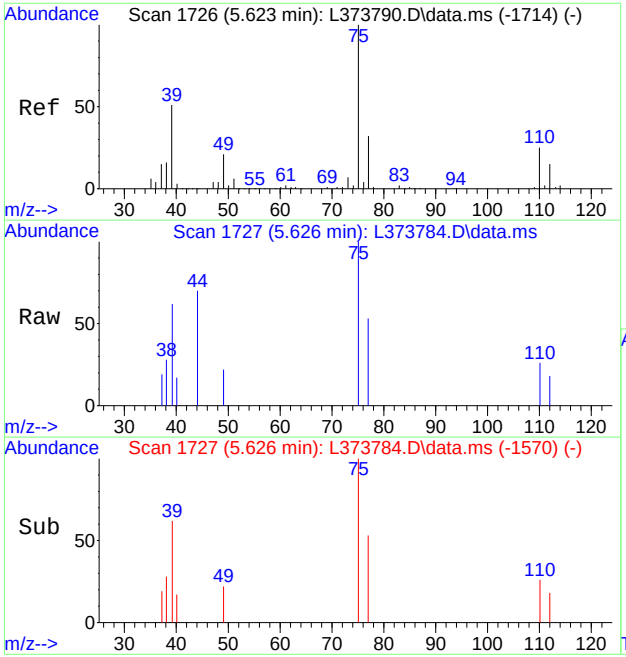


#74
toluene
Concen: 0.46 ug/L
RT: 5.453 min Scan# 1673
Delta R.T. 0.006 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 92 Resp: 3112

Ion	Ratio	Lower	Upper
92	100		
91	134.8	136.7	196.7#
65	18.4	0.0	50.8

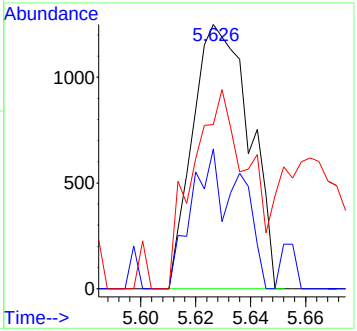


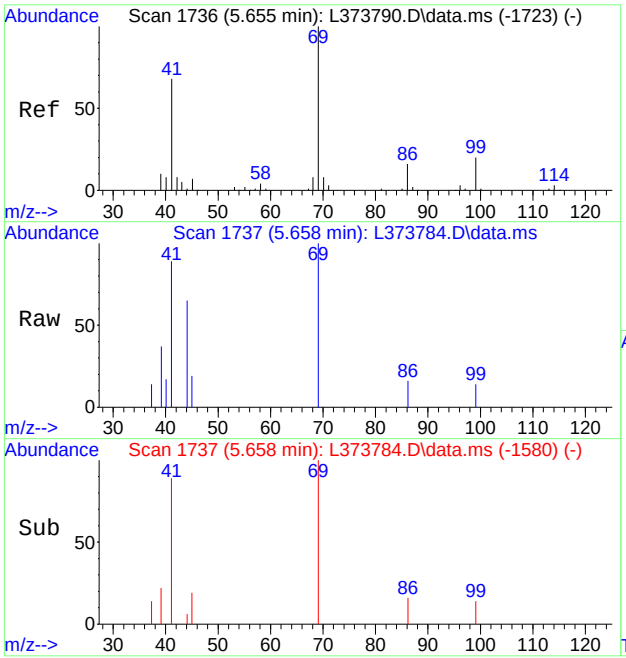


#75
trans-1,3-dichloropropene
Concen: 0.45 ug/L
RT: 5.626 min Scan# 1727
Delta R.T. 0.003 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 75 Resp: 1792

Ion	Ratio	Lower	Upper
75	100		
77	52.9	1.7	61.7
39	62.1	20.7	80.7

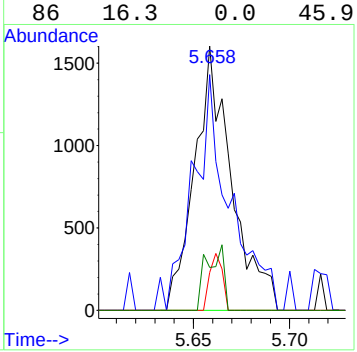


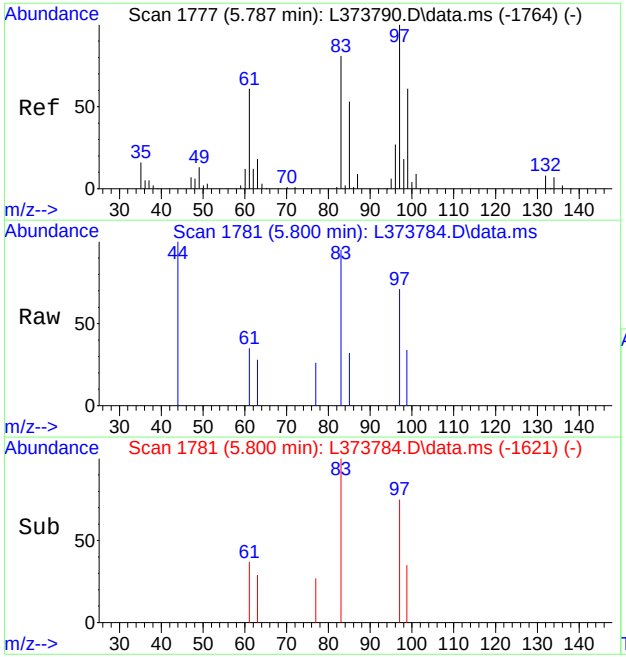


#76
ethyl methacrylate
Concen: 0.57 ug/L
RT: 5.658 min Scan# 1737
Delta R.T. 0.003 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 69 Resp: 2146

Ion	Ratio	Lower	Upper
69	100		
41	89.2	38.9	98.9
99	14.3	0.0	50.4
86	16.3	0.0	45.9

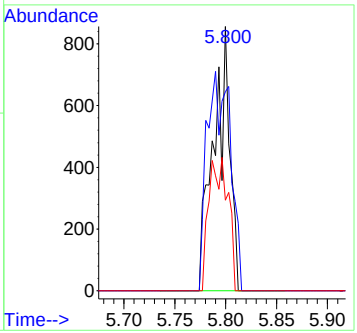


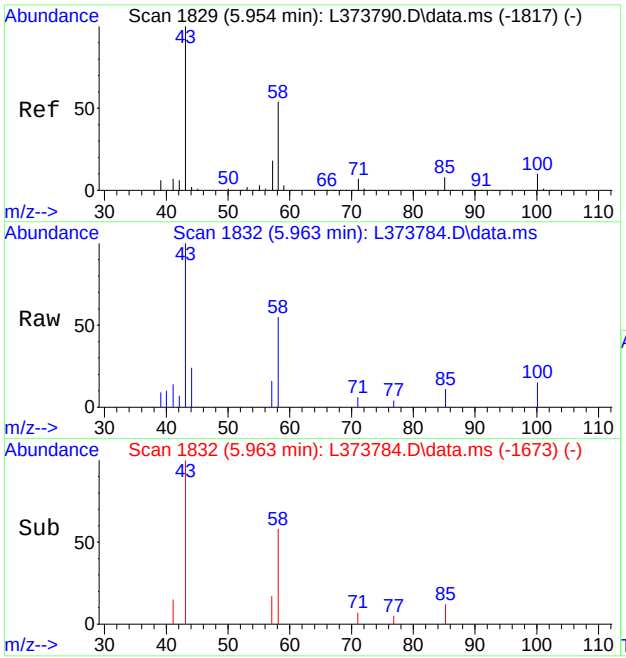


#77
1,1,2-trichloroethane
Concen: 0.46 ug/L m
RT: 5.800 min Scan# 1781
Delta R.T. 0.013 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 83 Resp: 949

Ion	Ratio	Lower	Upper
83	100		
97	75.3	93.6	153.6#
85	34.2	35.4	95.4#

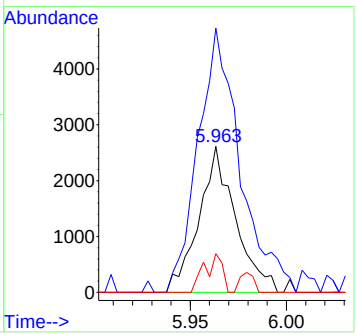


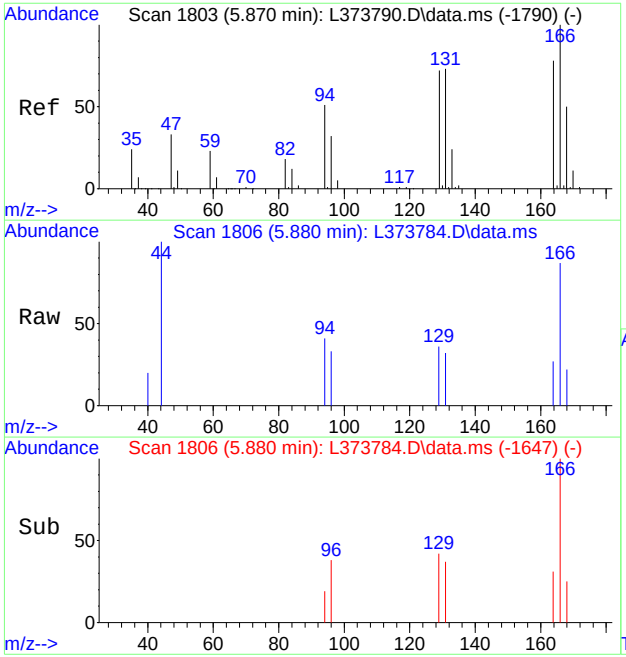


#78
2-hexanone
Concen: 2.08 ug/L
RT: 5.963 min Scan# 1832
Delta R.T. 0.010 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 58 Resp: 3461

Ion	Ratio	Lower	Upper
58	100		
43	181.1	154.6	214.6
100	26.5	0.0	49.0

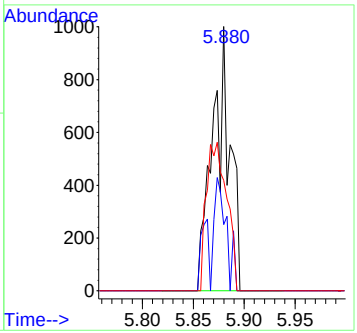


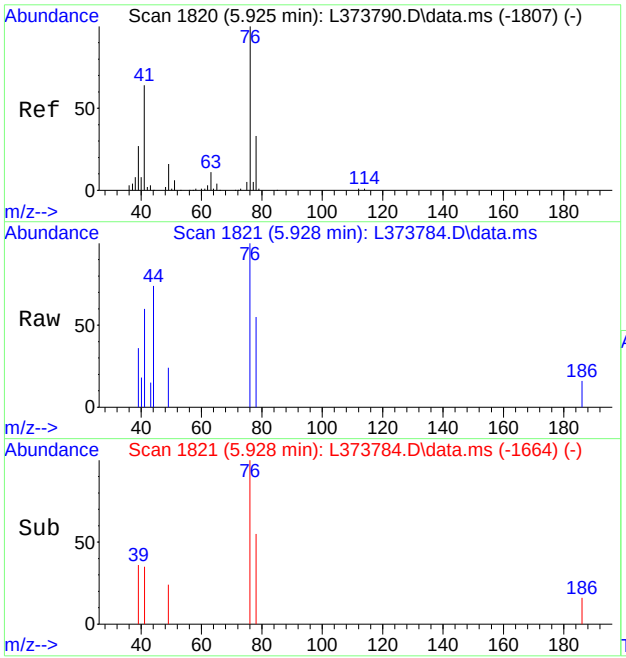


#79
tetrachloroethene
Concen: 0.45 ug/L m
RT: 5.880 min Scan# 1806
Delta R.T. 0.010 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion:166 Resp: 1192

Ion	Ratio	Lower	Upper
166	100		
168	25.0	19.7	79.7
129	41.8	42.4	102.4#

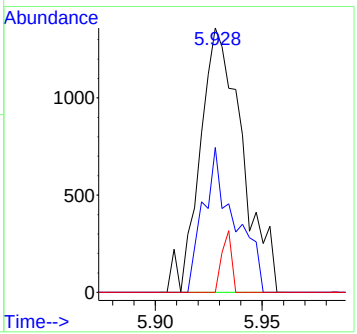


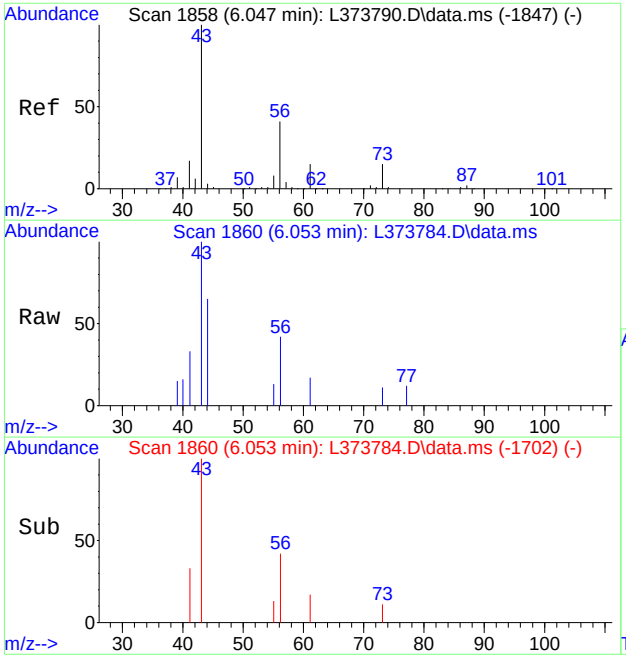


#80
1,3-dichloropropane
Concen: 0.46 ug/L
RT: 5.928 min Scan# 1821
Delta R.T. 0.003 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 76 Resp: 1876

Ion	Ratio	Lower	Upper
76	100		
78	54.9	2.7	62.7
63	0.0	0.0	41.2

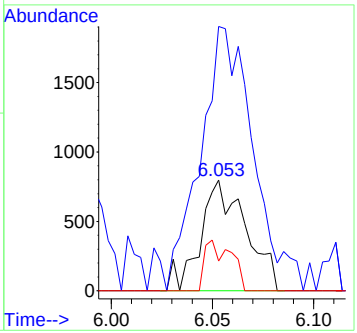


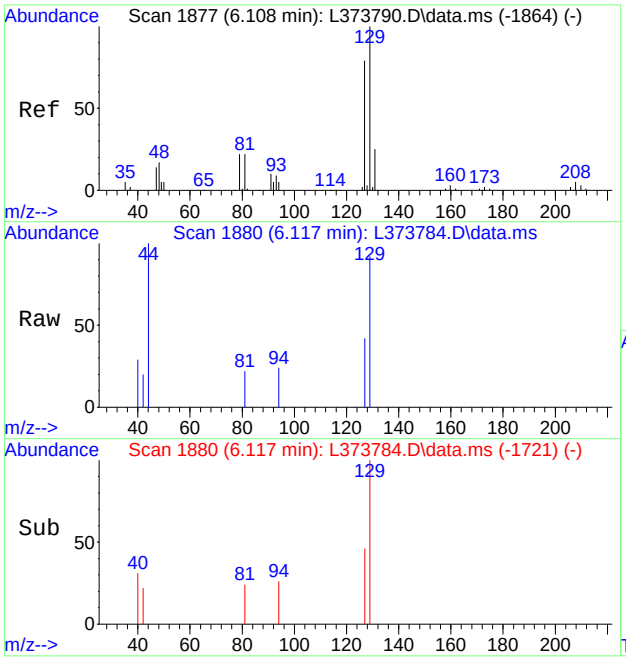


#81
butyl acetate
Concen: 0.57 ug/L
RT: 6.053 min Scan# 1860
Delta R.T. 0.006 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 56 Resp: 1249

Ion	Ratio	Lower	Upper
56	100		
43	211.8	218.3	278.3#
73	26.8	7.2	67.2

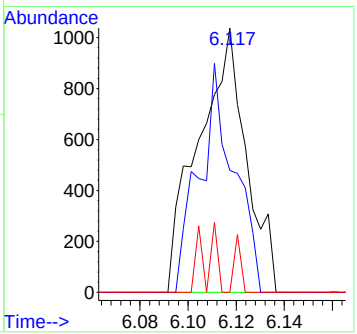


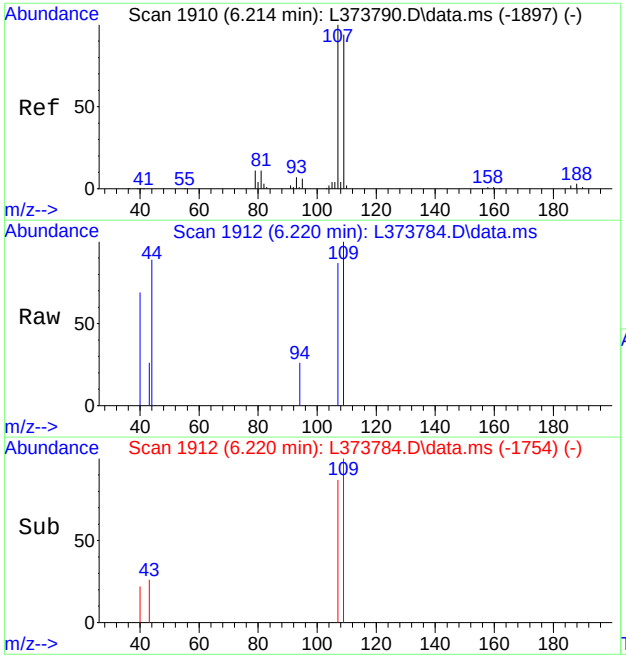


#82
dibromochloromethane
Concen: 0.55 ug/L
RT: 6.117 min Scan# 1880
Delta R.T. 0.010 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion:129 Resp: 1430

Ion	Ratio	Lower	Upper
129	100		
127	46.1	49.0	109.0#
131	0.0	0.0	54.6

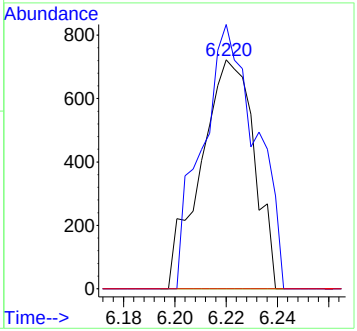


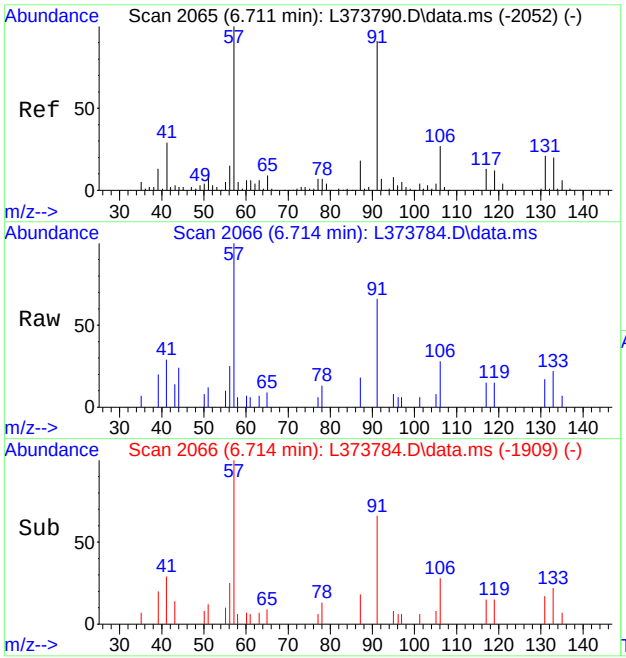


#83
1,2-dibromoethane
Concen: 0.38 ug/L
RT: 6.220 min Scan# 1912
Delta R.T. 0.006 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion:107 Resp: 1038

Ion	Ratio	Lower	Upper
107	100		
109	115.5	63.9	123.9
188	0.0	0.0	33.4

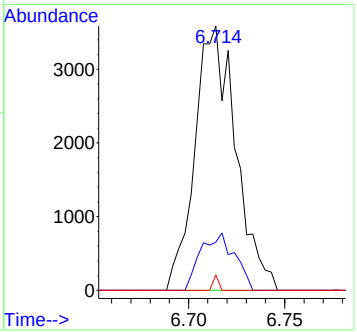


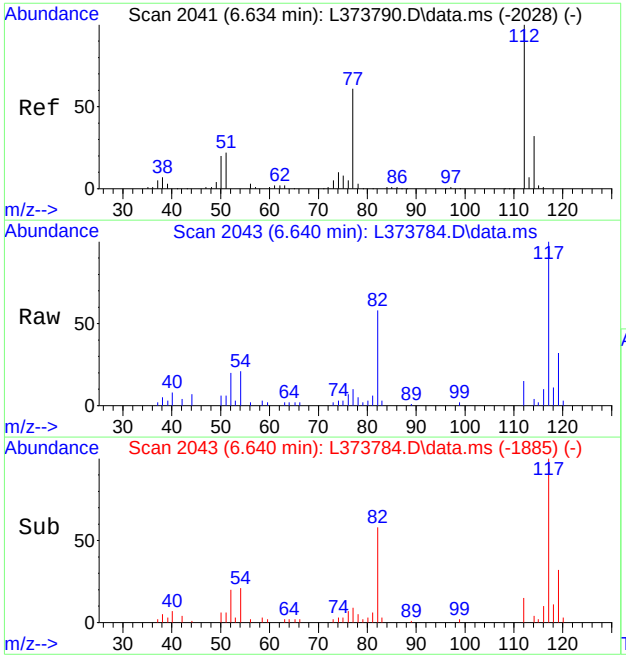


#84
n-butyl ether
Concen: 0.52 ug/L
RT: 6.714 min Scan# 2066
Delta R.T. 0.003 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 57 Resp: 5296

Ion	Ratio	Lower	Upper
57	100		
87	18.2	0.0	47.8
101	5.8	0.0	34.2

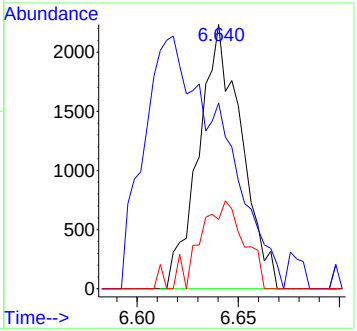


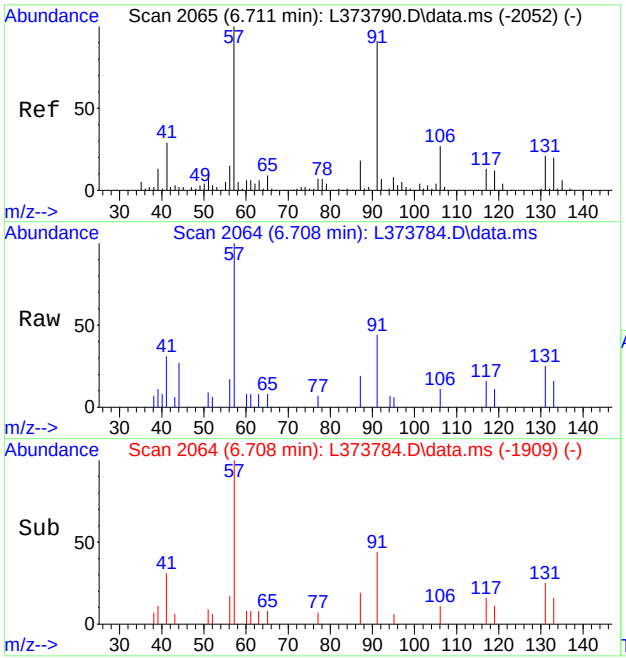


#85
chlorobenzene
Concen: 0.52 ug/L
RT: 6.640 min Scan# 2043
Delta R.T. 0.006 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion:112 Resp: 3273

Ion	Ratio	Lower	Upper
112	100		
77	70.2	30.8	90.8
114	26.2	2.4	62.4

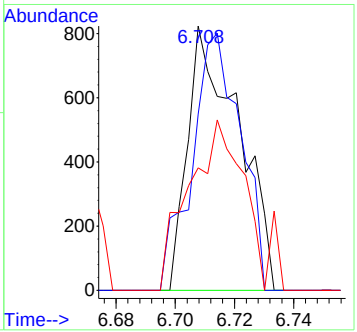


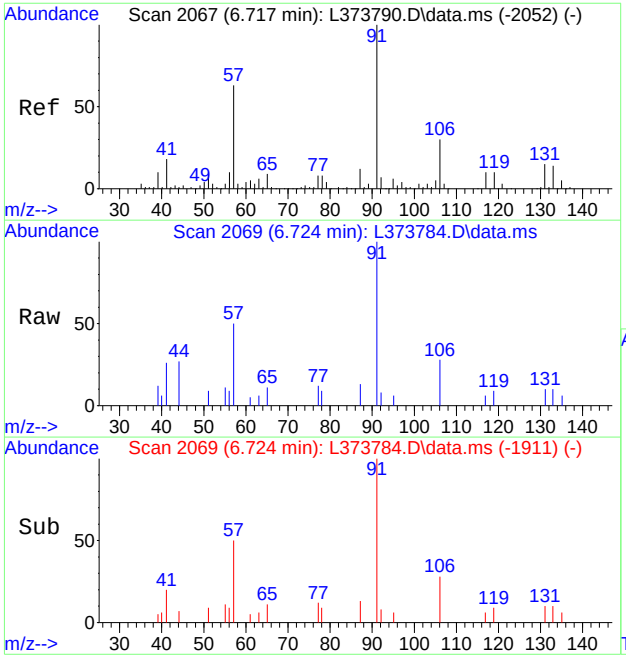


#86
1,1,1,2-tetrachloroethane
Concen: 0.42 ug/L
RT: 6.708 min Scan# 2064
Delta R.T. -0.003 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion:131 Resp: 978

Ion	Ratio	Lower	Upper
131	100		
133	66.6	65.1	125.1
119	46.4	30.8	90.8

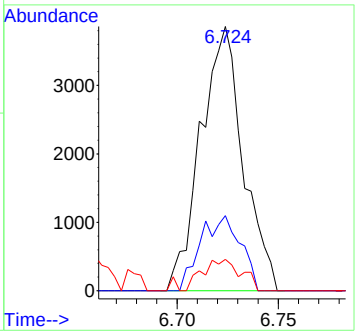


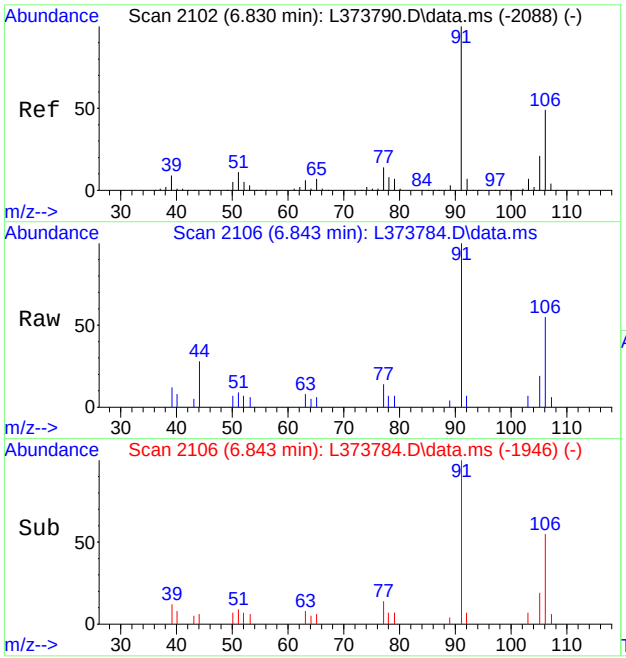


#87
ethylbenzene
Concen: 0.49 ug/L
RT: 6.724 min Scan# 2069
Delta R.T. 0.006 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 91 Resp: 5607

Ion	Ratio	Lower	Upper
91	100		
106	28.4	0.1	60.1
77	11.9	0.0	38.6

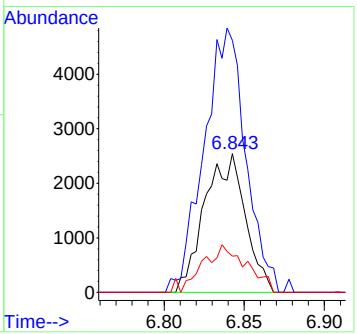


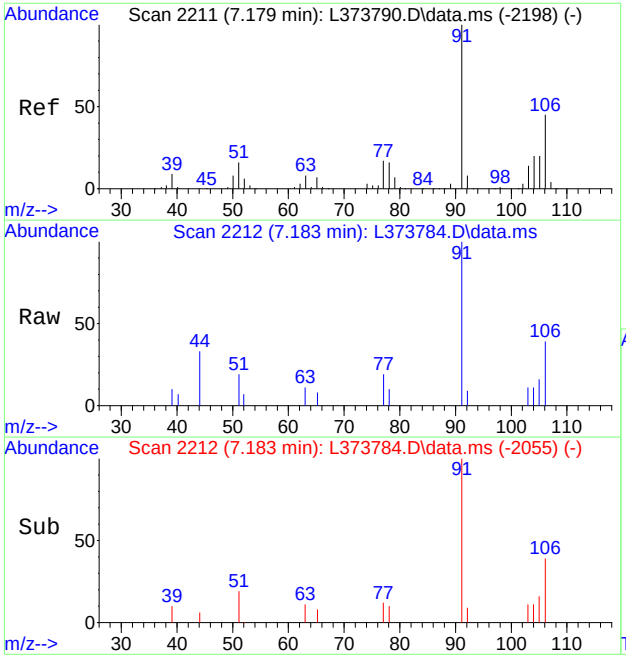


#88
m,p-xylene
Concen: 1.04 ug/L
RT: 6.843 min Scan# 2106
Delta R.T. 0.013 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion:106 Resp: 4478

Ion	Ratio	Lower	Upper
106	100		
91	181.5	175.7	235.7
77	26.1	8.1	48.1

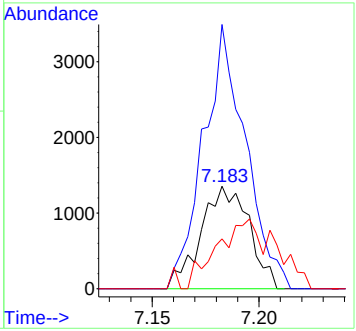


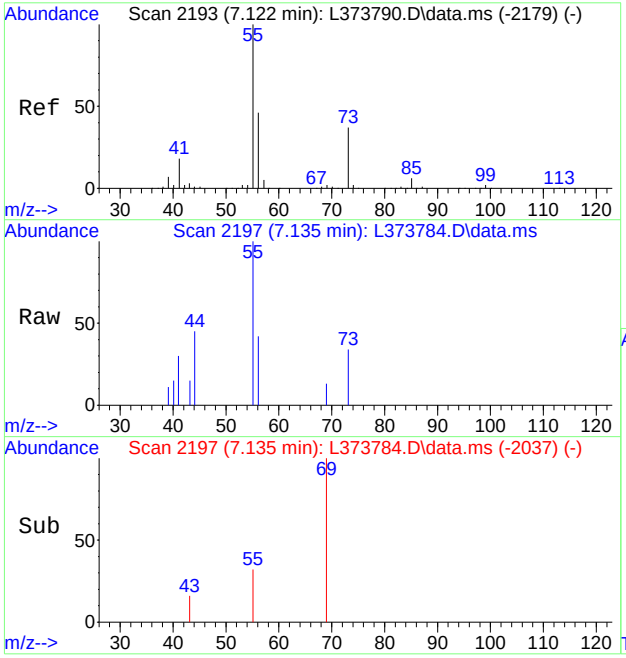


#89
o-xylene
Concen: 0.51 ug/L
RT: 7.183 min Scan# 2212
Delta R.T. 0.003 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion:106 Resp: 2123

Ion	Ratio	Lower	Upper
106	100		
91	257.7	194.5	254.5#
77	48.6	18.1	58.1

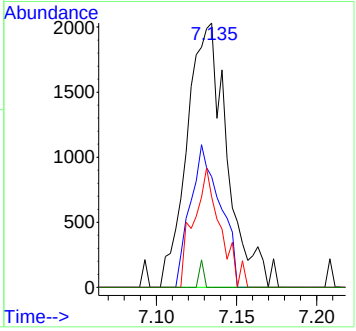


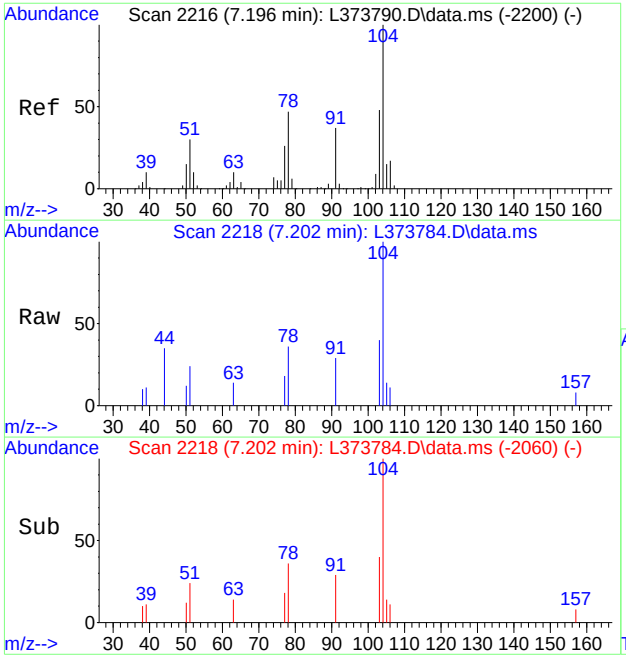


#90
butyl acrylate
Concen: 0.61 ug/L
RT: 7.135 min Scan# 2197
Delta R.T. 0.013 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 55 Resp: 3555

Ion	Ratio	Lower	Upper
55	100		
56	41.9	26.3	66.3
73	34.2	17.5	57.5
85	0.0	0.0	25.6

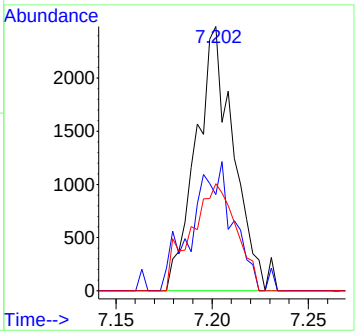


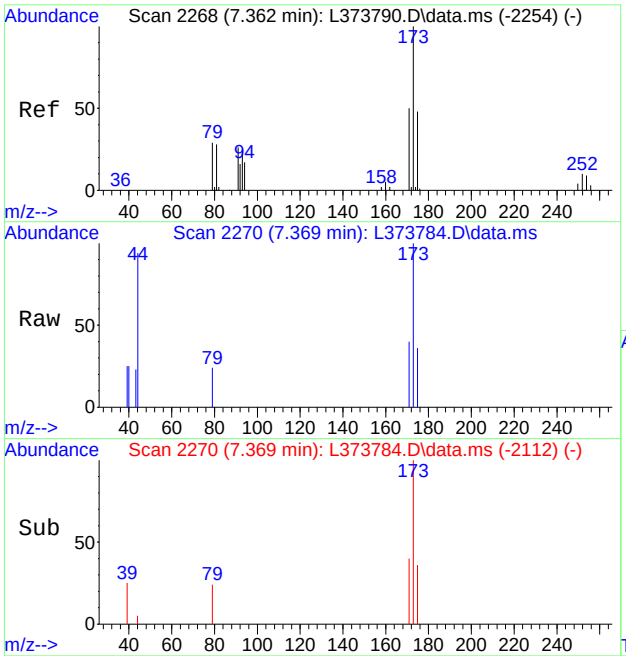


#91
styrene
Concen: 0.48 ug/L
RT: 7.202 min Scan# 2218
Delta R.T. 0.006 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion:104 Resp: 3408

Ion	Ratio	Lower	Upper
104	100		
78	36.4	16.8	76.8
103	40.5	17.7	77.7

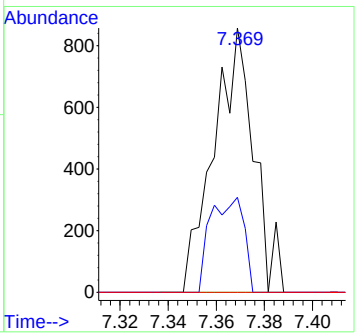


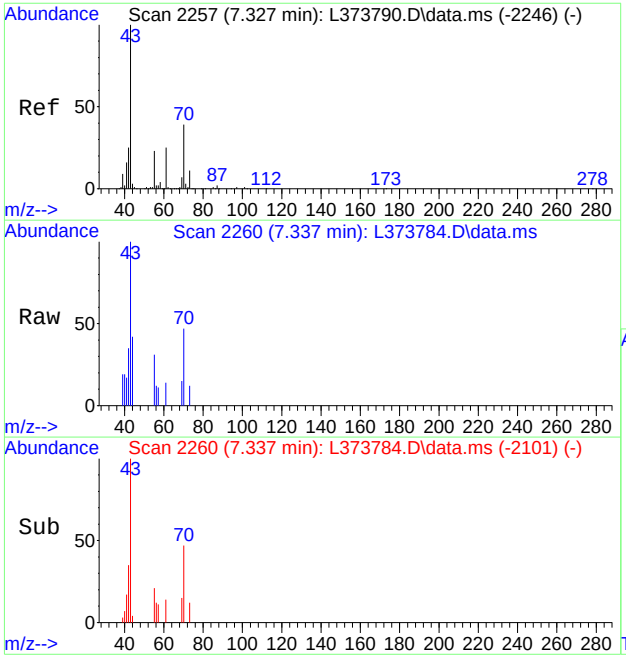


#92
bromoform
Concen: 0.52 ug/L
RT: 7.369 min Scan# 2270
Delta R.T. 0.006 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion:173 Resp: 996

Ion	Ratio	Lower	Upper
173	100		
175	35.9	17.8	77.8
254	0.0	0.0	39.4

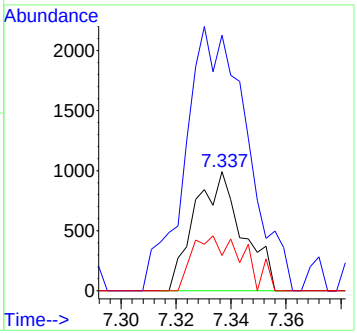


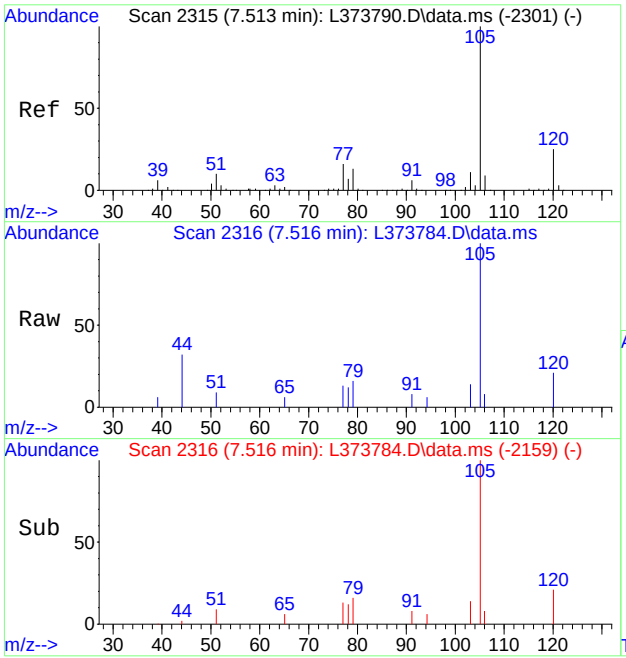


#93
n-amyl acetate
Concen: 0.55 ug/L
RT: 7.337 min Scan# 2260
Delta R.T. 0.010 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 70 Resp: 1209

Ion	Ratio	Lower	Upper
70	100		
43	178.3	233.4	273.4#
61	29.6	42.6	82.6#

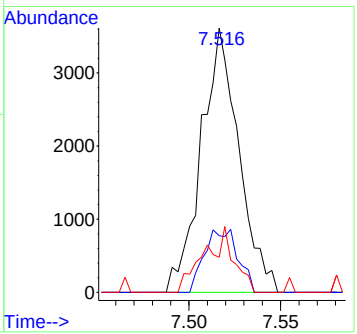


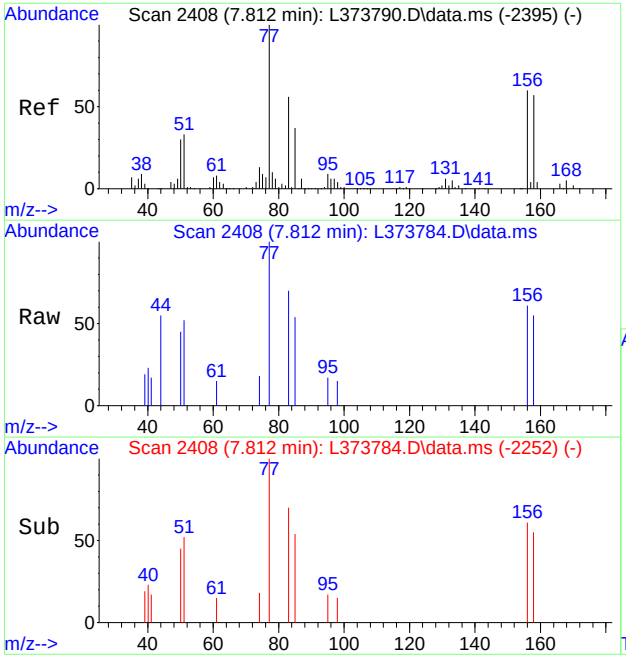


#94
isopropylbenzene
Concen: 0.50 ug/L
RT: 7.516 min Scan# 2316
Delta R.T. 0.003 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion:105 Resp: 5192

Ion	Ratio	Lower	Upper
105	100		
120	21.4	5.2	45.2
77	13.3	0.0	36.2

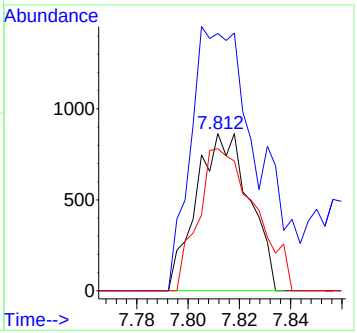


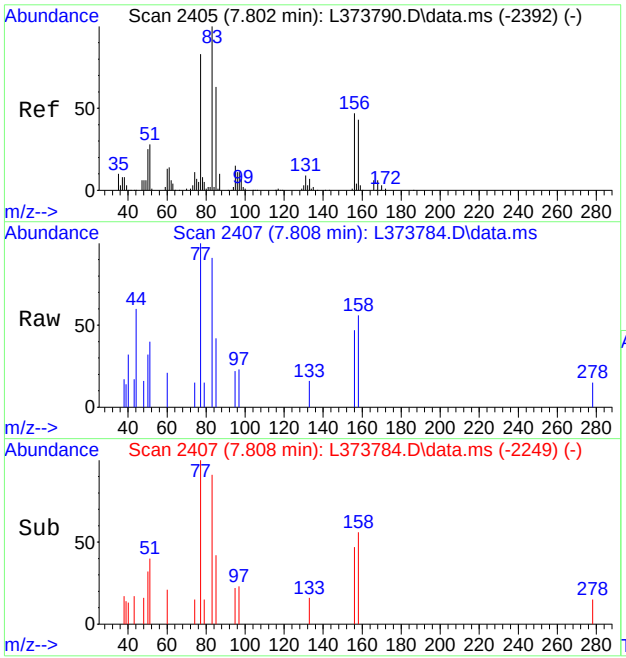


#98
bromobenzene
Concen: 0.48 ug/L
RT: 7.812 min Scan# 2408
Delta R.T. 0.000 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion:156 Resp: 1246

Ion	Ratio	Lower	Upper
156	100		
77	163.7	137.0	197.0
158	90.4	65.5	125.5

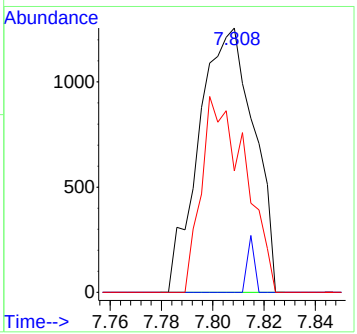


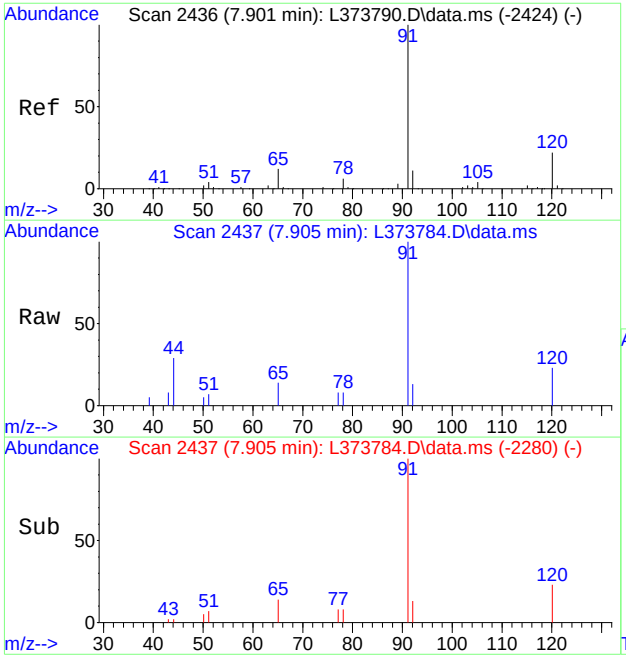


#99
1,1,2,2-tetrachloroethane
Concen: 0.49 ug/L
RT: 7.808 min Scan# 2407
Delta R.T. 0.006 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 83 Resp: 1868

Ion	Ratio	Lower	Upper
83	100		
131	0.0	0.0	38.9
85	45.9	33.3	93.3

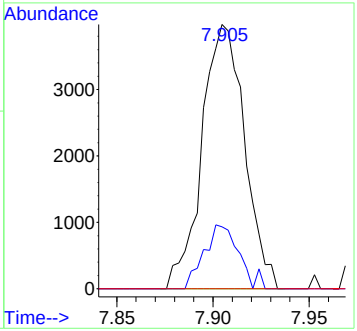


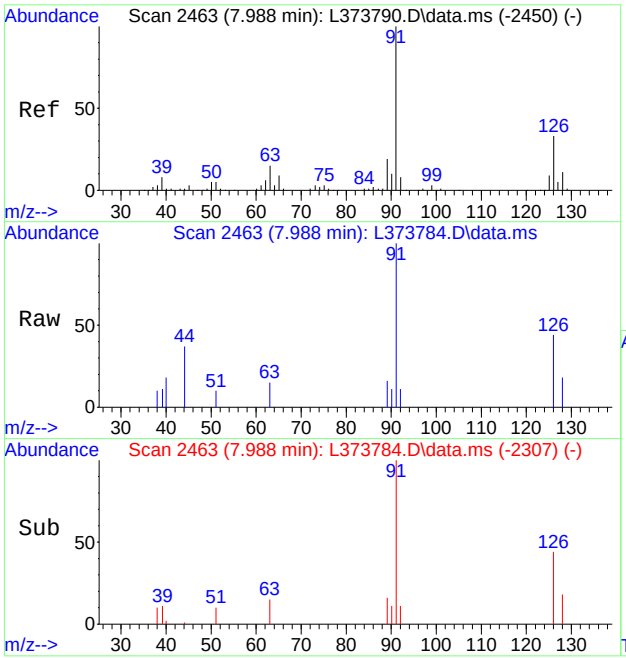


#102
n-propylbenzene
Concen: 0.48 ug/L
RT: 7.905 min Scan# 2437
Delta R.T. 0.003 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 91 Resp: 6140

Ion	Ratio	Lower	Upper
91	100		
120	23.4	0.0	51.5
105	0.0	0.0	33.7

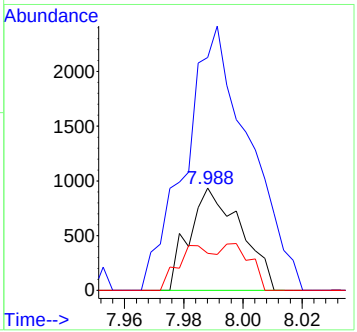


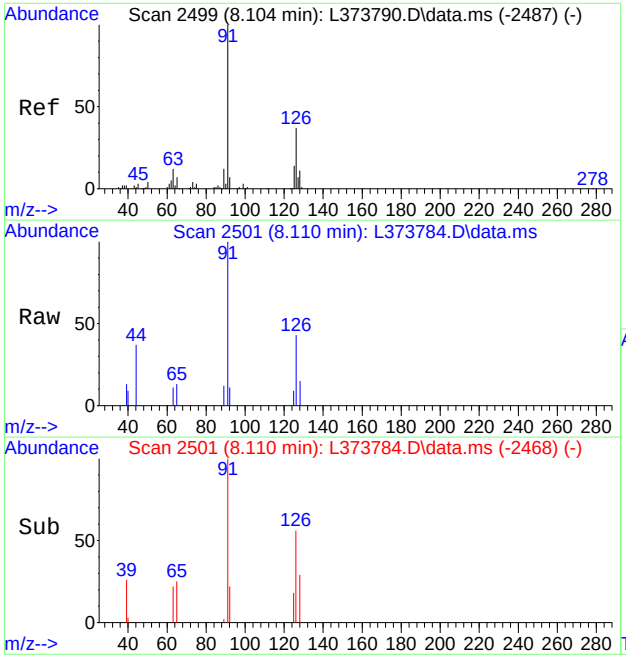


#103
2-chlorotoluene
Concen: 0.46 ug/L
RT: 7.988 min Scan# 2463
Delta R.T. 0.000 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion:126 Resp: 1138

Ion	Ratio	Lower	Upper
126	100		
91	188.4	276.4	336.4#
89	36.1	28.8	88.8

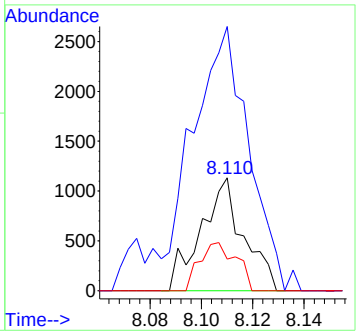


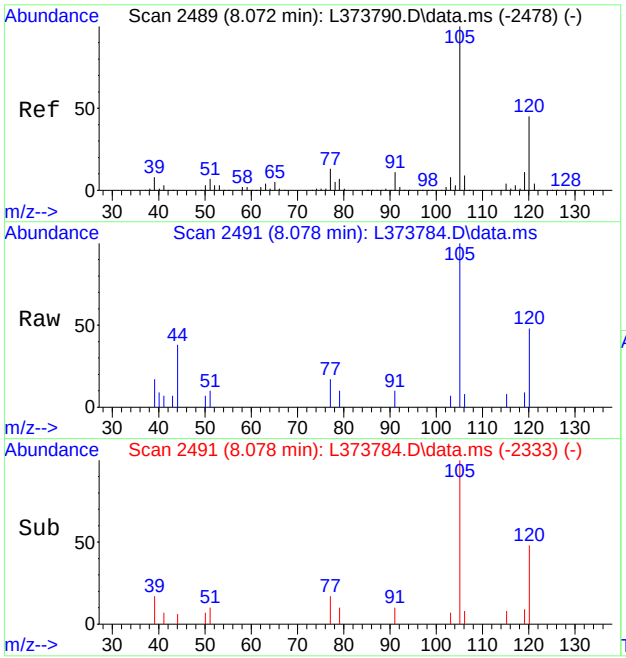


#104
4-chlorotoluene
Concen: 0.51 ug/L
RT: 8.110 min Scan# 2501
Delta R.T. 0.006 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion:126 Resp: 1305

Ion	Ratio	Lower	Upper
126	100		
91	234.3	265.5	325.5#
89	28.2	5.5	65.5

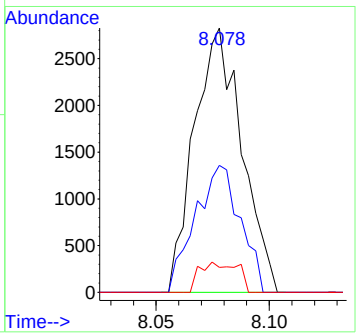


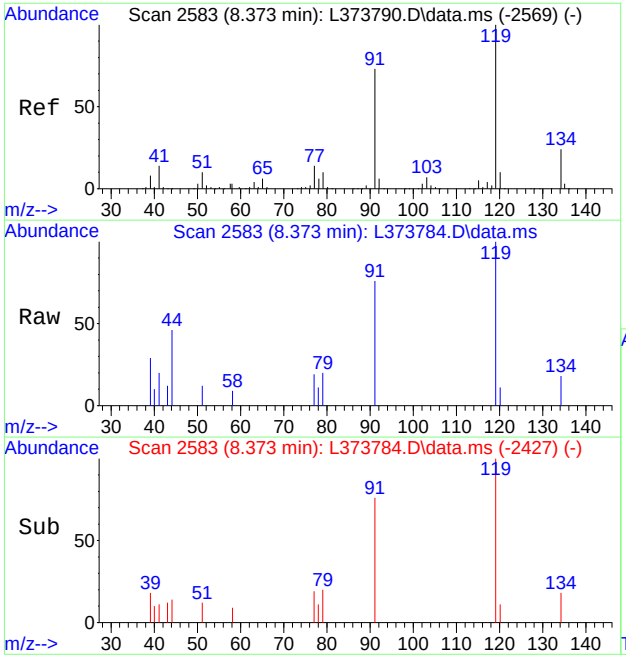


#105
1,3,5-trimethylbenzene
Concen: 0.46 ug/L
RT: 8.078 min Scan# 2491
Delta R.T. 0.006 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion:105 Resp: 4131

Ion	Ratio	Lower	Upper
105	100		
120	48.1	14.9	74.9
119	9.5	0.0	40.8

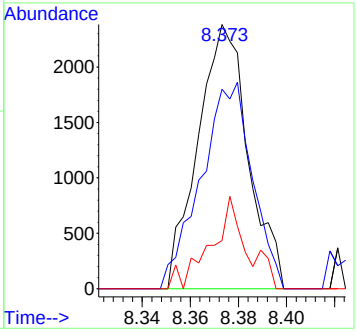


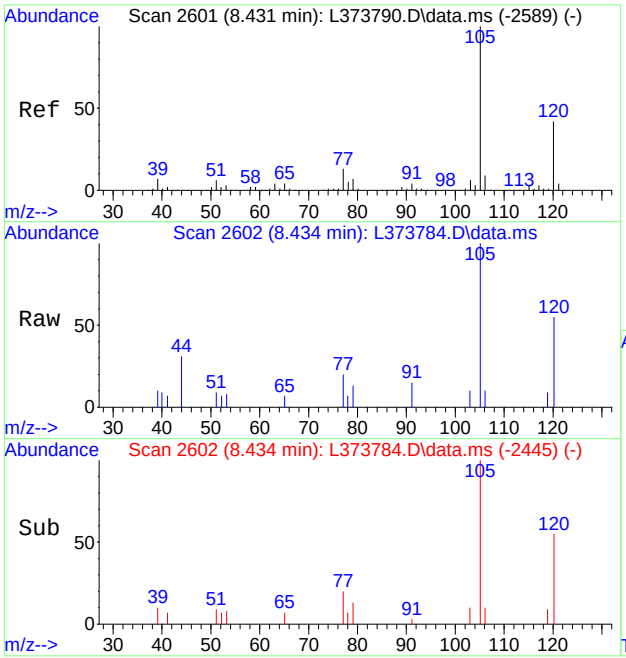


#106
tert-butylbenzene
Concen: 0.50 ug/L
RT: 8.373 min Scan# 2583
Delta R.T. 0.000 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion:119 Resp: 3463

Ion	Ratio	Lower	Upper
119	100		
91	75.5	42.9	102.9
134	18.3	0.0	54.4

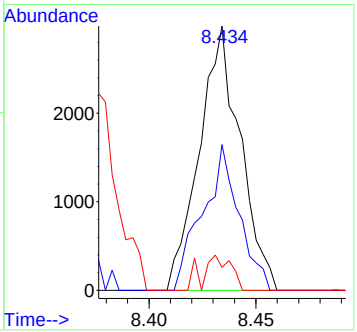


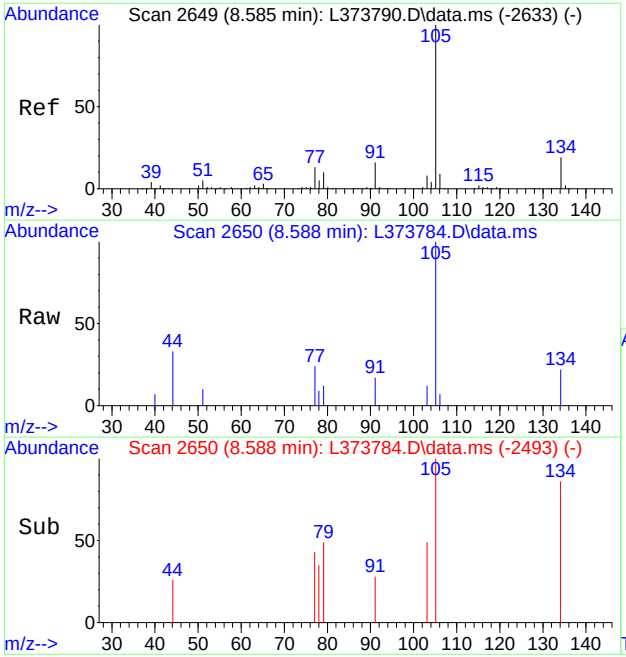


#107
1,2,4-trimethylbenzene
Concen: 0.44 ug/L
RT: 8.434 min Scan# 2602
Delta R.T. 0.003 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion:105 Resp: 3975

Ion	Ratio	Lower	Upper
105	100		
120	55.2	13.1	73.1
119	8.7	0.0	41.9

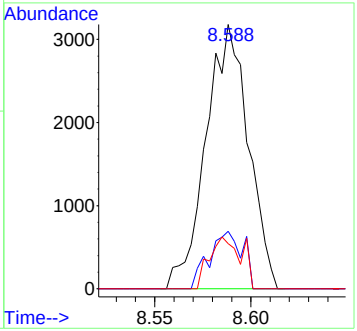


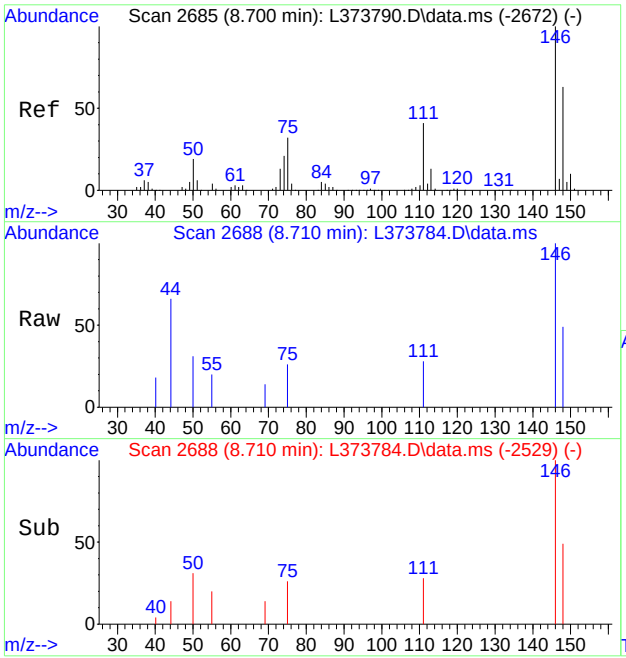


#108
sec-butylbenzene
Concen: 0.47 ug/L
RT: 8.588 min Scan# 2650
Delta R.T. 0.003 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion:105 Resp: 4885

Ion	Ratio	Lower	Upper
105	100		
134	21.7	0.0	48.8
91	17.1	0.0	45.9

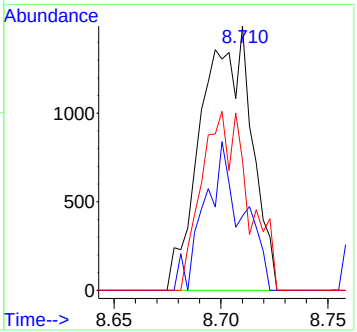


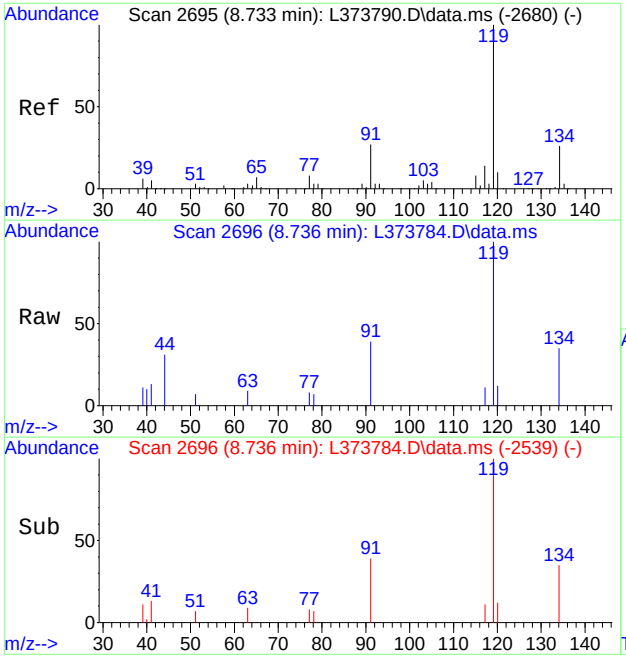


#109
1,3-dichlorobenzene
Concen: 0.51 ug/L
RT: 8.710 min Scan# 2688
Delta R.T. 0.010 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion:146 Resp: 2434

Ion	Ratio	Lower	Upper
146	100		
111	28.1	11.0	71.0
148	49.2	33.0	93.0

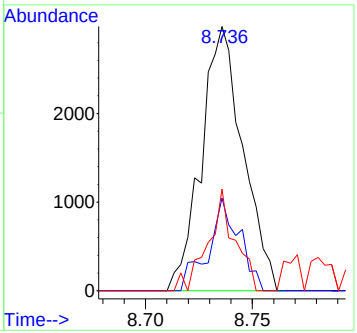


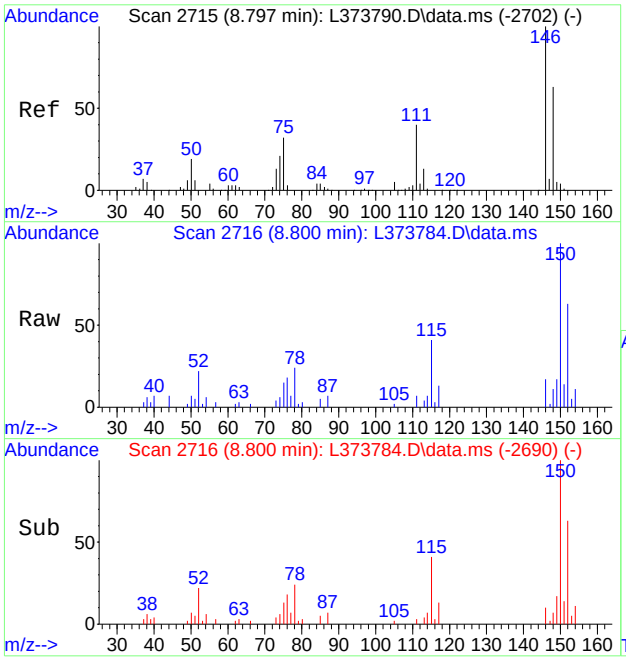


#110
p-isopropyltoluene
Concen: 0.47 ug/L
RT: 8.736 min Scan# 2696
Delta R.T. 0.003 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion:119 Resp: 4037

Ion	Ratio	Lower	Upper
119	100		
134	35.1	0.0	56.5
91	38.5	0.0	56.9

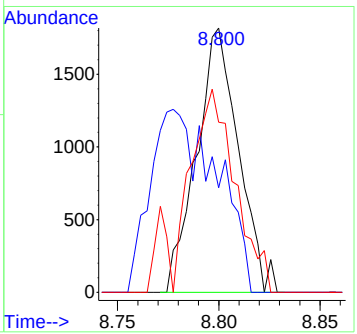


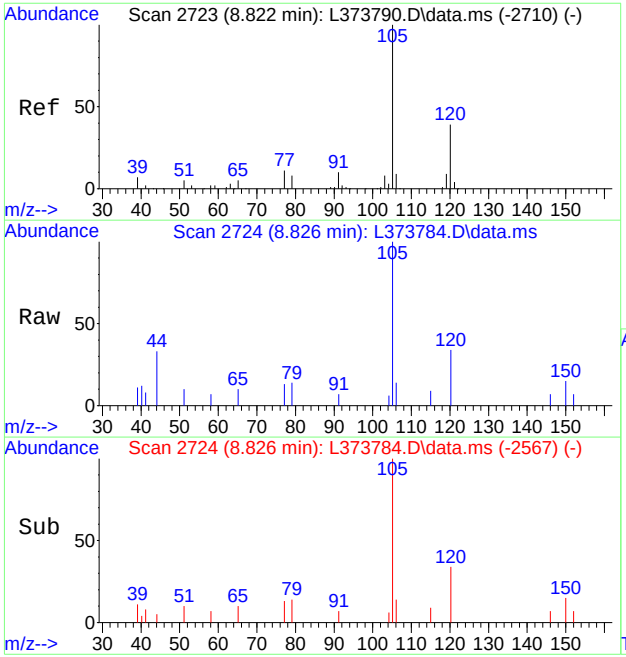


#111
1,4-dichlorobenzene
Concen: 0.55 ug/L
RT: 8.800 min Scan# 2716
Delta R.T. 0.003 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion:146 Resp: 2622

Ion	Ratio	Lower	Upper
146	100		
111	39.6	9.7	69.7
148	64.3	33.0	93.0

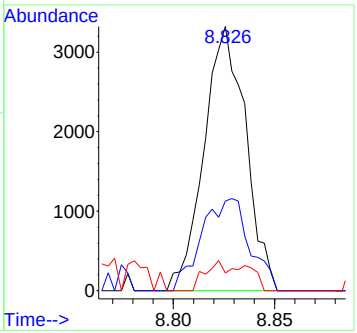


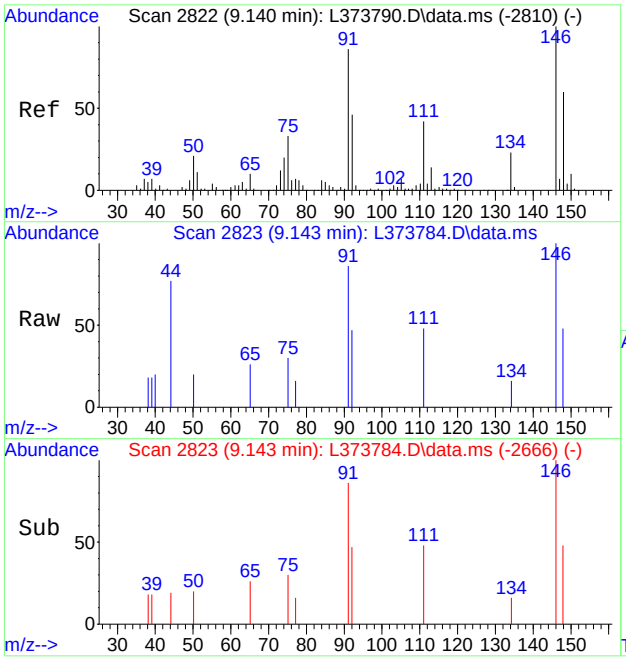


#112
1,2,3-trimethylbenzene
Concen: 0.51 ug/L
RT: 8.826 min Scan# 2724
Delta R.T. 0.003 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion:105 Resp: 4751

Ion	Ratio	Lower	Upper
105	100		
120	33.9	8.8	68.8
91	6.7	0.0	40.2

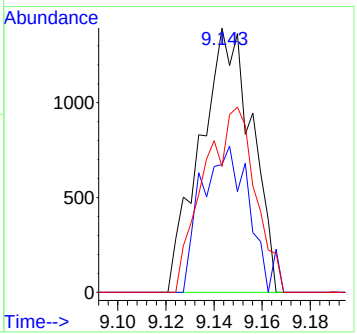


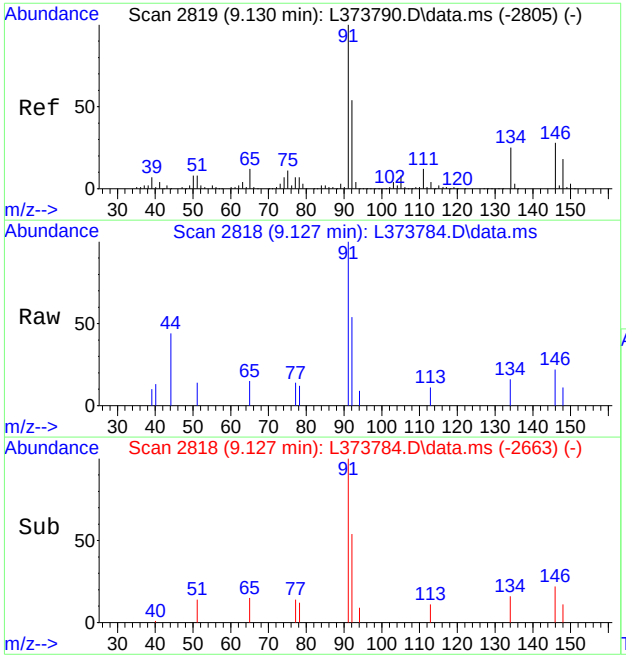


#113
1,2-dichlorobenzene
Concen: 0.45 ug/L
RT: 9.143 min Scan# 2823
Delta R.T. 0.003 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion:146 Resp: 2075

Ion	Ratio	Lower	Upper
146	100		
111	48.4	12.1	72.1
148	47.6	30.4	90.4

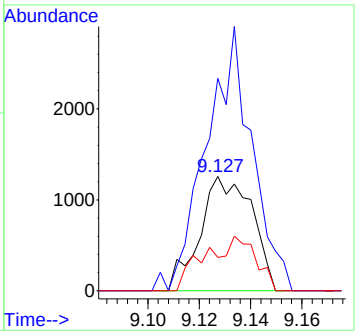


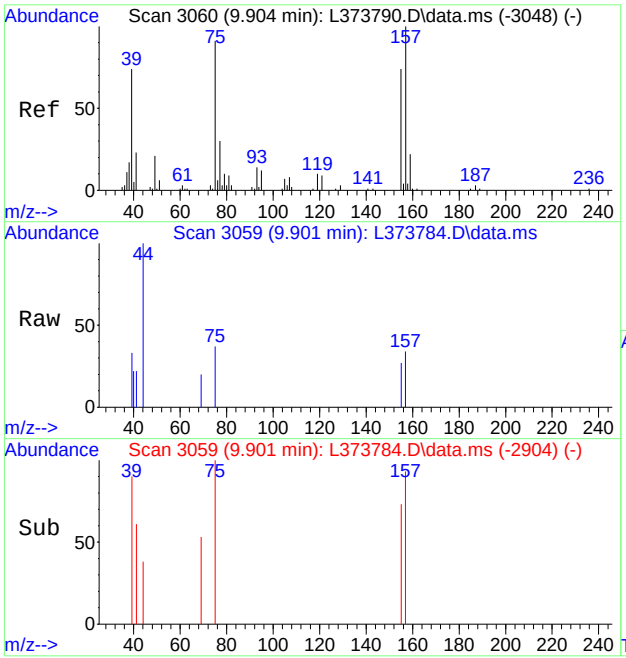


#114
n-butylbenzene
Concen: 0.41 ug/L
RT: 9.127 min Scan# 2818
Delta R.T. -0.003 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 92 Resp: 1768

Ion	Ratio	Lower	Upper
92	100		
91	169.8	155.4	215.4
134	29.2	15.6	75.6

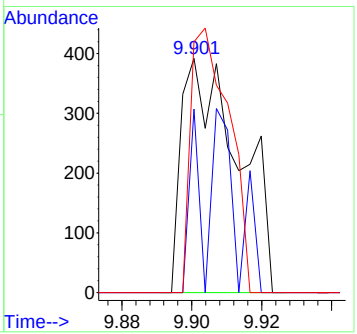


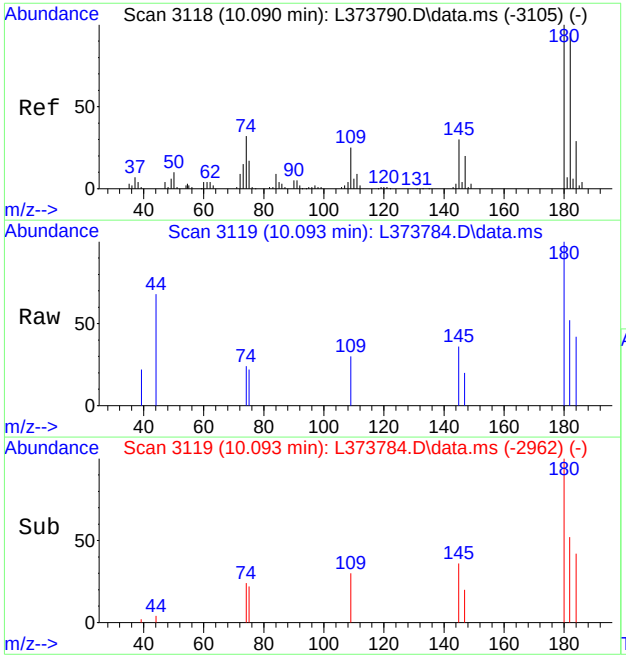


#115
1,2-dibromo-3-chloropropane
Concen: 0.42 ug/L
RT: 9.901 min Scan# 3059
Delta R.T. -0.003 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion:157 Resp: 444

Ion	Ratio	Lower	Upper
157	100		
155	78.3	44.1	104.1
75	107.1	60.9	120.9

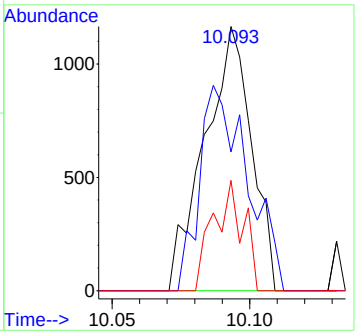


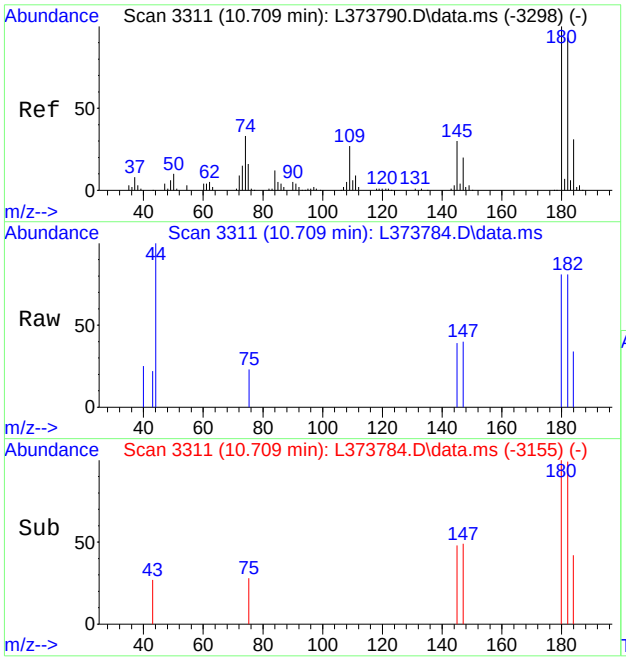


#116
1,3,5-trichlorobenzene
Concen: 0.45 ug/L
RT: 10.093 min Scan# 3119
Delta R.T. 0.003 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion:180 Resp: 1386

Ion	Ratio	Lower	Upper
180	100		
182	52.5	65.0	125.0#
184	41.8	0.0	59.4

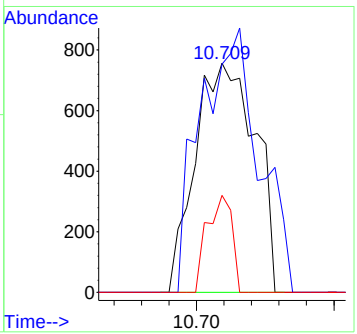


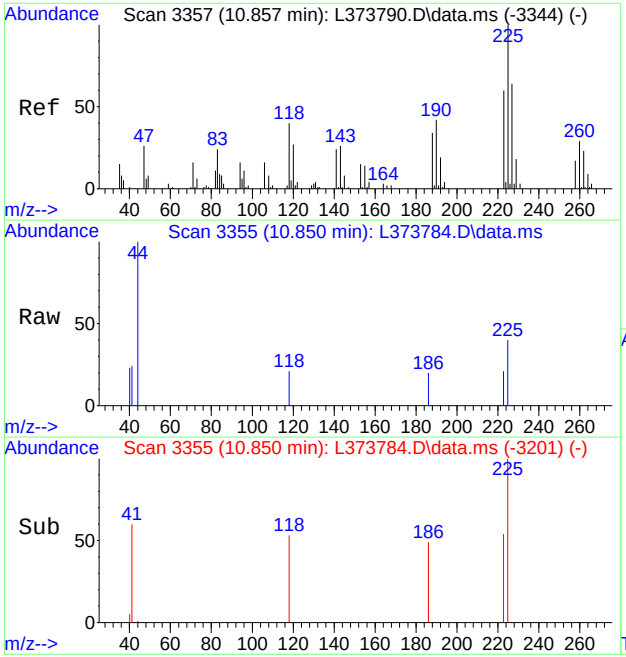


#117
1,2,4-trichlorobenzene
Concen: 0.42 ug/L
RT: 10.709 min Scan# 3311
Delta R.T. 0.000 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion:180 Resp: 1153

Ion	Ratio	Lower	Upper
180	100		
182	99.5	63.1	123.1
184	42.3	0.8	60.8

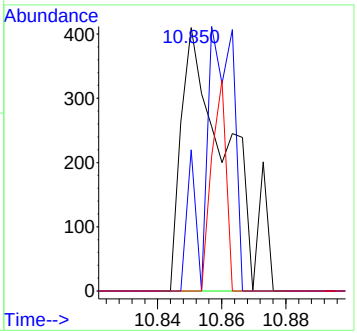


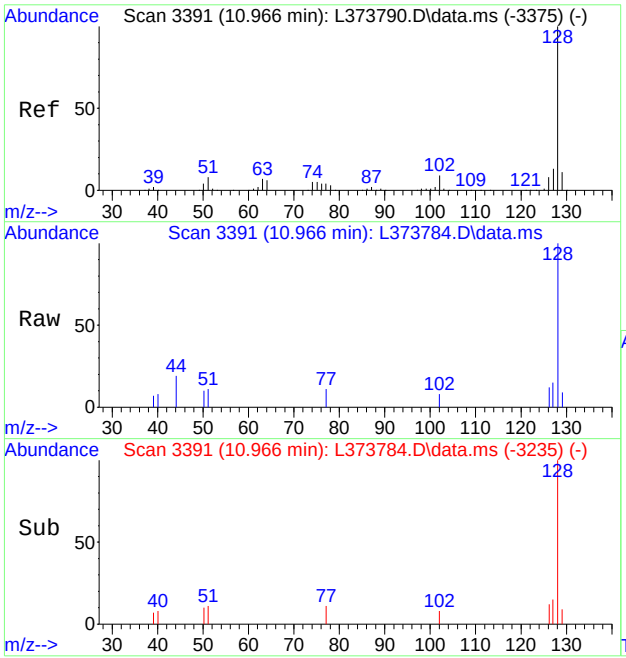


#118
hexachlorobutadiene
Concen: 0.40 ug/L
RT: 10.850 min Scan# 3355
Delta R.T. -0.006 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion:225 Resp: 408

Ion	Ratio	Lower	Upper
225	100		
223	53.7	30.0	90.0
227	0.0	33.8	93.8#

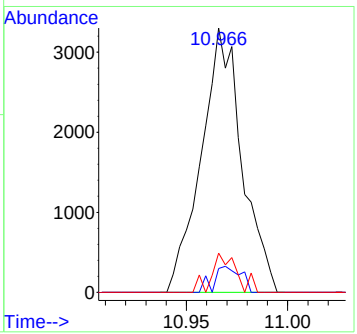


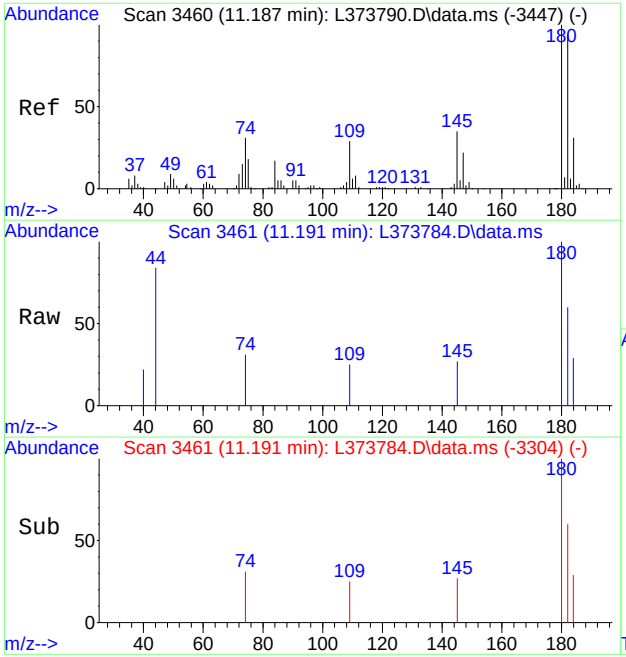


#119
naphthalene
Concen: 0.47 ug/L
RT: 10.966 min Scan# 3391
Delta R.T. 0.000 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion:128 Resp: 4609

Ion	Ratio	Lower	Upper
128	100		
129	9.1	0.0	41.1
127	14.9	0.0	42.9

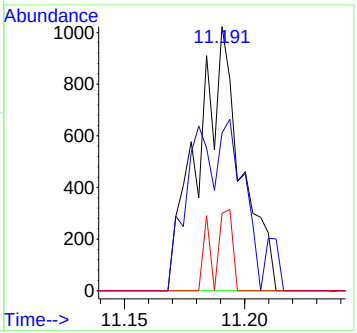


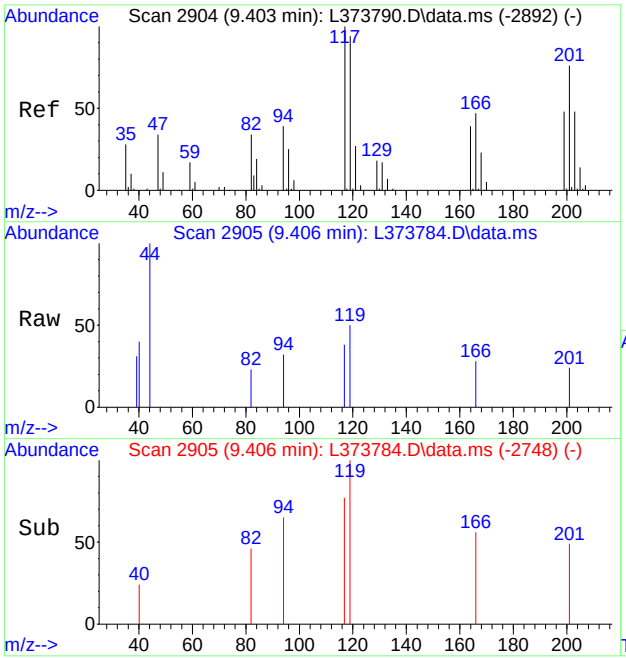


#120
1,2,3-trichlorobenzene
Concen: 0.51 ug/L
RT: 11.191 min Scan# 3461
Delta R.T. 0.003 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion:180 Resp: 1275

Ion	Ratio	Lower	Upper
180	100		
182	59.7	63.9	123.9#
184	29.3	1.2	61.2

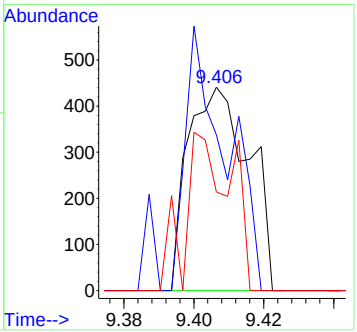


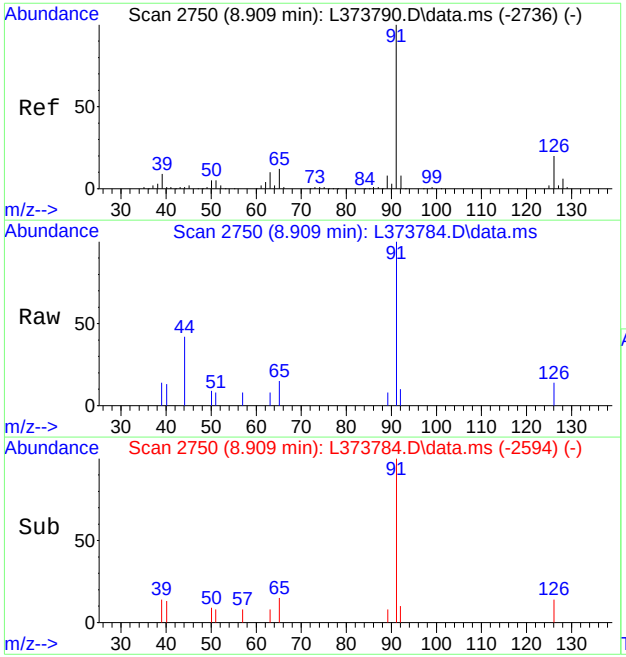


#121
hexachloroethane
Concen: 0.39 ug/L
RT: 9.406 min Scan# 2905
Delta R.T. 0.003 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion:119 Resp: 536

Ion	Ratio	Lower	Upper
119	100		
117	76.6	76.2	136.2
201	48.5	51.2	111.2#

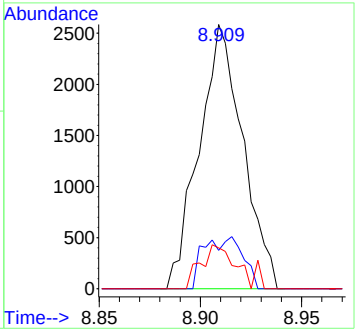


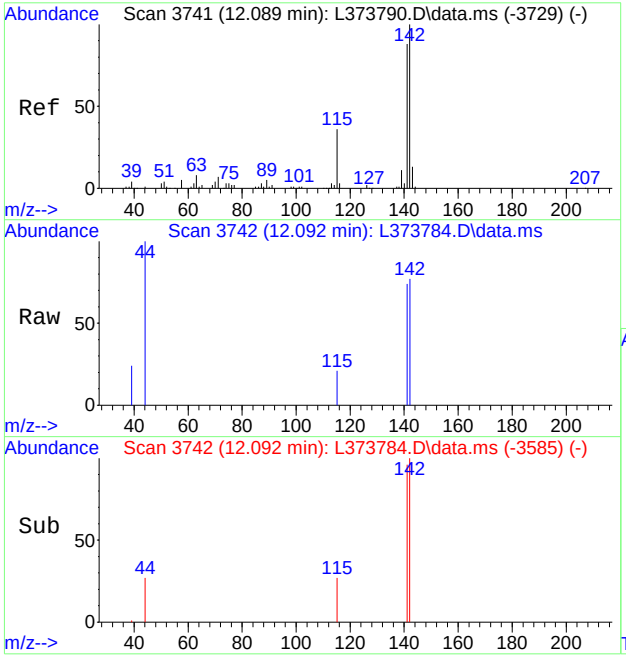


#122
benzyl chloride
Concen: 0.51 ug/L
RT: 8.909 min Scan# 2750
Delta R.T. 0.000 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 91 Resp: 3876

Ion	Ratio	Lower	Upper
91	100		
126	14.5	0.0	49.8
65	15.5	0.0	41.8

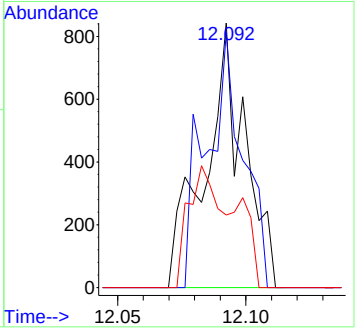




#123
2-methylnaphthalene
Concen: 0.24 ug/L
RT: 12.092 min Scan# 3742
Delta R.T. 0.003 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion:142 Resp: 905

Ion	Ratio	Lower	Upper
142	100		
141	96.3	68.0	108.0
115	27.4	15.9	55.9



Manual Integration Approval Summary

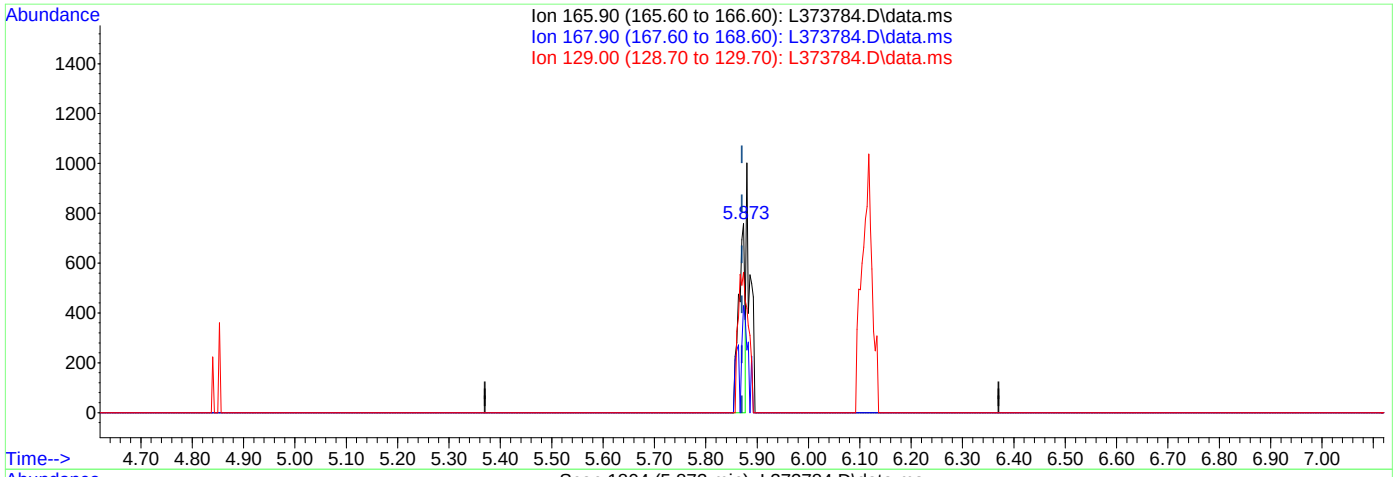
Sample Number:	VL11472-IC11472	**Method:**	SW846 8260D
Lab FileID:	L373784.D	**Analyst approved:**	10/19/25 11:25 MoHui Huang
Injection Time:	10/16/25 18:25	**Supervisor approved:**	10/20/25 12:58 Kanya Veerawat

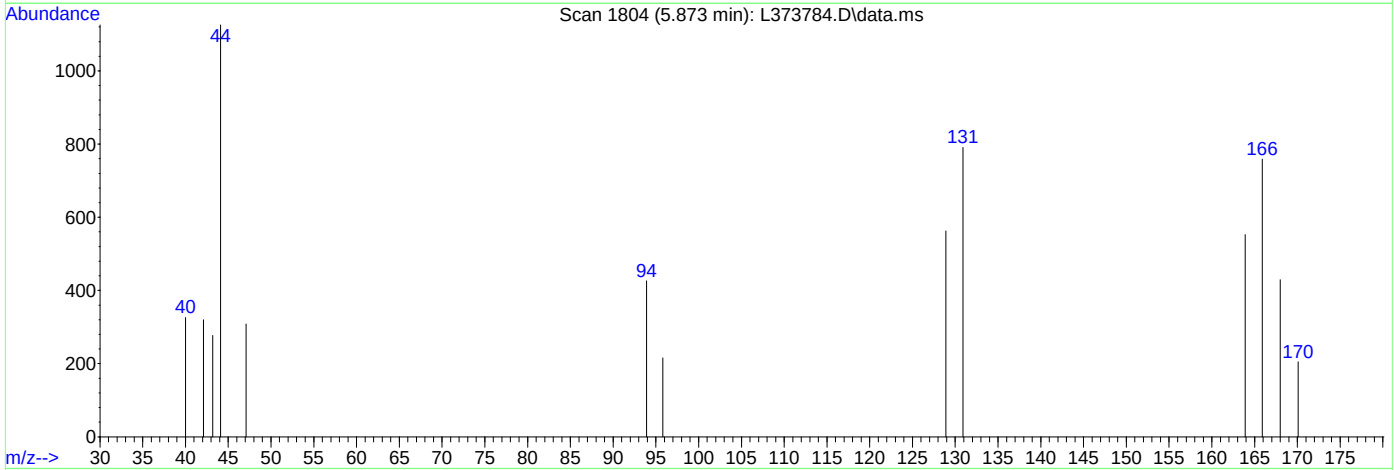
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,1,2-Trichloroethane	79-00-5		5.80	Split peak
Tetrachloroethene	127-18-4		5.88	Split peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373784.D
Acq On : 16 Oct 2025 6:25 pm
Operator : BridgetK
Sample : ic11472-0.5
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 17 09:45:32 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 09:45:21 2025
Response via : Initial Calibration





TIC: L373784.D\data.ms

(79) tetrachloroethene

5.873min (+0.003) 0.24ug/L

response 626

Ion	Exp%	Act%
165.90	100	100
167.90	49.70	56.52
129.00	72.40	74.18
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 10/20/25 12:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373785.D
Acq On : 16 Oct 2025 6:50 pm
Operator : BridgetK
Sample : ic11472-1
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 17 10:24:40 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 09:53:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	2.607	65	250999	500.00	ug/L	0.00
5) pentafluorobenzene	3.752	168	233835	50.00	ug/L	0.00
51) 1,4-difluorobenzene	4.288	114	379810	50.00	ug/L	0.00
72) chlorobenzene-d5	6.611	117	305142	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	8.774	152	149724	50.00	ug/L	0.00
124) pentafluorobenzene(a)	3.752	168	233835	50.00	ug/L	0.00
131) 1,4-dichlorobenzene-d4(a)	8.774	152	149724	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	3.752	113	122828	50.35	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.70%			
52) 1,2-dichloroethane-d4 (s)	3.990	65	139376	50.39	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 100.78%			
73) toluene-d8 (s)	5.392	98	440436	50.48	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.96%			
97) 4-bromofluorobenzene (s)	7.677	95	158167	49.10	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.20%			
Target Compounds						Qvalue
3) ethanol	2.087	45	7625	141.3684	ug/L	90
4) tertiary butyl alcohol	2.658	59	3643	5.0679	ug/L	98
6) chlorodifluoromethane	1.365	51	3028	0.8714	ug/L	90
7) dichlorodifluoromethane	1.352	85	2876	0.8174	ug/L	97
8) chloromethane	1.484	50	3308	0.9041	ug/L	85
9) vinyl chloride	1.554	62	3166	0.9247	ug/L	97
10) 1,3-butadiene	1.583	54	2791	0.8969	ug/L	85
11) bromomethane	1.766	96	898	1.0451	ug/L #	29
12) chloroethane	1.846	64	1678	1.1765	ug/L	94
13) trichlorofluoromethane	2.000	101	3370	0.7890	ug/L	97
14) ethyl ether	2.161	74	1199	0.8540	ug/L #	82
16) freon 113	2.318	151	1180	0.6136	ug/L	88
17) 1,1-dichloroethene	2.324	96	1570	0.7132	ug/L	93
18) acetone	2.337	58	1442	3.0905	ug/L	87
22) carbon disulfide	2.478	76	6161	0.8860	ug/L	92
23) methylene chloride	2.629	84	2379	0.8377	ug/L #	77
25) methyl tert butyl ether	2.786	73	5963	0.8606	ug/L	90
26) trans-1,2-dichloroethene	2.796	96	2200	0.8948	ug/L	88
27) hexane	2.963	57	2074	0.6492	ug/L	91
28) di-isopropyl ether	3.069	45	6604	0.8852	ug/L	89
29) ethyl tert-butyl ether	3.303	59	6348	0.8087	ug/L	93
30) 2-butanone	3.419	72	1687	3.2345	ug/L #	56
31) 1,1-dichloroethane	3.066	63	4044	0.8749	ug/L	93
32) chloroprene	3.114	53	2913	0.6579	ug/L	80
33) acrylonitrile	2.761	53	1355	0.9776	ug/L	89
36) 2,2-dichloropropane	3.438	77	3655	0.8587	ug/L	90
37) cis-1,2-dichloroethene	3.435	96	2452	0.9242	ug/L	84
38) propionitrile	3.457	54	6527	8.5930	ug/L	77
40) bromochloromethane	3.589	128	1154	1.0716	ug/L #	77
42) chloroform	3.646	83	5678	1.1400	ug/L	96
45) 1,1,1-trichloroethane	3.768	97	3096	0.7149	ug/L #	1
46) cyclohexane	3.820	84	2622	0.7014	ug/L #	81
47) 1,1-dichloropropene	3.881	75	2567	0.7690	ug/L	84
48) carbon tetrachloride	3.881	117	2503	0.6893	ug/L	87
50) tert amyl alcohol	3.990	55	1535	5.7590	ug/L #	35
53) tert-amyl methyl ether	4.080	73	6200	0.8548	ug/L	93
54) 2,2,4-trimethylpentane	4.086	57	4071	0.7218	ug/L	86
55) n-butyl alcohol	4.362	56	9995	49.6246	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373785.D
Acq On : 16 Oct 2025 6:50 pm
Operator : BridgetK
Sample : ic11472-1
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 17 10:24:40 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 09:53:09 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
56)	benzene	4.015	78	8322	0.7912	ug/L		95
57)	heptane	4.198	57	790m	0.6335	ug/L		
58)	1,2-dichloroethane	4.038	62	3432	0.9043	ug/L		93
59)	trichloroethene	4.465	95	1924	0.7688	ug/L		86
60)	ethyl acrylate	4.500	55	4296	0.9905	ug/L		82
62)	2-chloroethyl vinyl ether	5.046	63	3739	4.3971	ug/L		73
64)	1,2-dichloropropane	4.664	63	2158	0.8390	ug/L		89
65)	methylcyclohexane	4.648	83	2322	0.6826	ug/L		82
66)	dibromomethane	4.728	93	1568	0.9111	ug/L		96
67)	bromodichloromethane	4.847	83	3100	0.8702	ug/L		97
68)	cis-1,3-dichloropropene	5.177	75	3251	0.7682	ug/L		75
69)	epichlorohydrin	5.097	57	2306	4.5907	ug/L		92
70)	4-methyl-2-pentanone	5.280	58	5862	3.7503	ug/L	#	80
71)	3-methyl-1-butanol	5.321	70	3649	19.5816	ug/L	#	64
74)	toluene	5.453	92	5150	0.7695	ug/L		81
75)	trans-1,3-dichloropropene	5.623	75	3331	0.8679	ug/L		93
76)	ethyl methacrylate	5.655	69	3741	0.9227	ug/L		98
77)	1,1,2-trichloroethane	5.787	83	1808	0.9006	ug/L		93
78)	2-hexanone	5.957	58	6836	3.9834	ug/L		84
79)	tetrachloroethene	5.873	166	1904	0.7355	ug/L		96
80)	1,3-dichloropropane	5.928	76	3373	0.8569	ug/L		91
81)	butyl acetate	6.047	56	2262	0.9567	ug/L	#	63
82)	dibromochloromethane	6.114	129	2283	0.8251	ug/L	#	63
83)	1,2-dibromoethane	6.210	107	2022	0.7967	ug/L		77
84)	n-butyl ether	6.708	57	9590	0.9114	ug/L		98
85)	chlorobenzene	6.634	112	6497	1.0015	ug/L		94
86)	1,1,1,2-tetrachloroethane	6.708	131	1860	0.8588	ug/L	#	68
87)	ethylbenzene	6.717	91	10081	0.8838	ug/L		96
88)	m,p-xylene	6.839	106	7802	1.7574	ug/L		92
89)	o-xylene	7.183	106	3965	0.9338	ug/L	#	72
90)	butyl acrylate	7.128	55	5935	0.9108	ug/L		95
91)	styrene	7.199	104	6511	0.9232	ug/L		95
92)	bromoform	7.369	173	1624	0.8250	ug/L		86
93)	n-amyl acetate	7.327	70	2385	1.0243	ug/L	#	85
94)	isopropylbenzene	7.513	105	8931	0.8523	ug/L		96
98)	bromobenzene	7.812	156	2366	0.9087	ug/L		97
99)	1,1,2,2-tetrachloroethane	7.805	83	4023	1.0443	ug/L		88
101)	1,2,3-trichloropropane	7.853	110	1184	1.0331	ug/L		85
102)	n-propylbenzene	7.901	91	11004	0.8557	ug/L		96
103)	2-chlorotoluene	7.988	126	2291	0.9452	ug/L	#	70
104)	4-chlorotoluene	8.100	126	2425	0.9160	ug/L	#	49
105)	1,3,5-trimethylbenzene	8.072	105	7962	0.8998	ug/L		89
106)	tert-butylbenzene	8.367	119	6270	0.8849	ug/L		97
107)	1,2,4-trimethylbenzene	8.428	105	8138	0.9342	ug/L		84
108)	sec-butylbenzene	8.585	105	8656	0.8370	ug/L		95
109)	1,3-dichlorobenzene	8.704	146	4601	0.9347	ug/L		91
110)	p-isopropyltoluene	8.736	119	6872	0.8038	ug/L		99
111)	1,4-dichlorobenzene	8.797	146	5033	0.9781	ug/L		89
112)	1,2,3-trimethylbenzene	8.826	105	8910	0.9226	ug/L		94
113)	1,2-dichlorobenzene	9.143	146	4588	1.0245	ug/L		91
114)	n-butylbenzene	9.130	92	3685	0.9140	ug/L	#	79
115)	1,2-dibromo-3-chloropr...	9.901	157	1078	1.0889	ug/L	#	80
116)	1,3,5-trichlorobenzene	10.090	180	2595	0.8631	ug/L		84
117)	1,2,4-trichlorobenzene	10.703	180	2342	0.9103	ug/L		76
118)	hexachlorobutadiene	10.857	225	804	0.8512	ug/L		77
119)	naphthalene	10.969	128	9053	0.9243	ug/L		91
120)	1,2,3-trichlorobenzene	11.184	180	2101	0.8093	ug/L		89
121)	hexachloroethane	9.406	119	1073	0.8518	ug/L		81

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373785.D
Acq On : 16 Oct 2025 6:50 pm
Operator : BridgetK
Sample : ic11472-1
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 17 10:24:40 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 09:53:09 2025
Response via : Initial Calibration

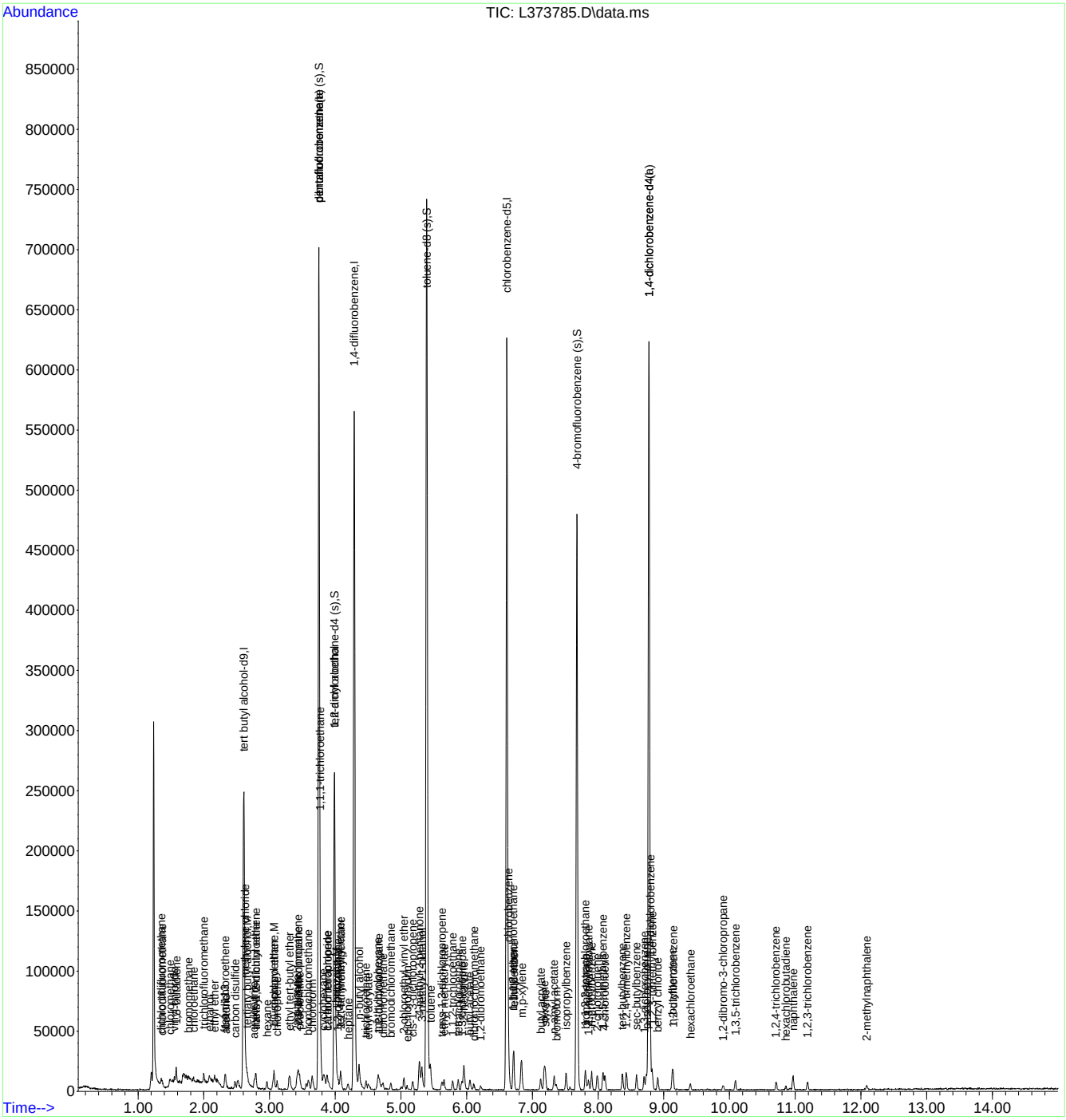
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
122) benzyl chloride	8.906	91	6893	0.8748	ug/L	94
123) 2-methylnaphthalene	12.089	142	1640	0.4326	ug/L	91

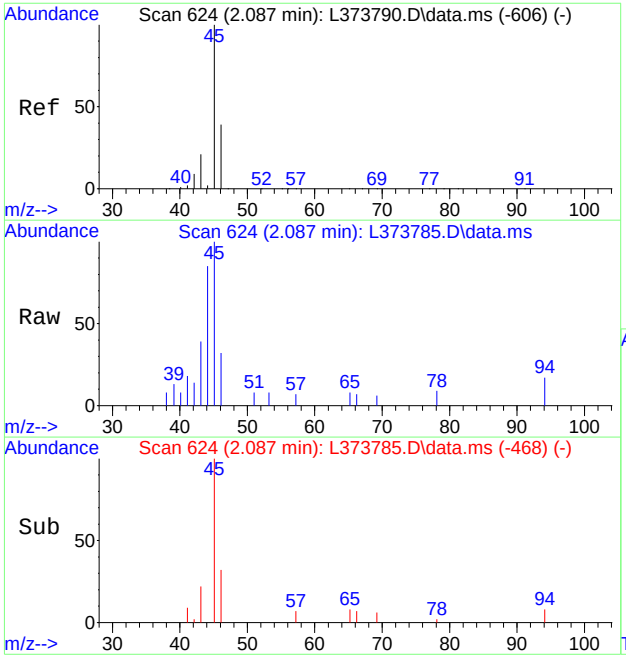
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373785.D
Acq On : 16 Oct 2025 6:50 pm
Operator : BridgetK
Sample : ic11472-1
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 17 10:24:40 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 09:53:09 2025
Response via : Initial Calibration

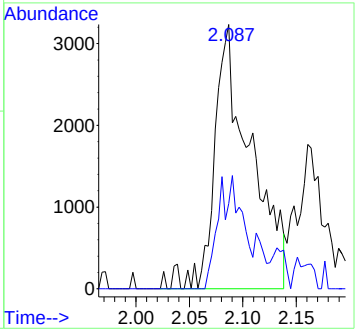


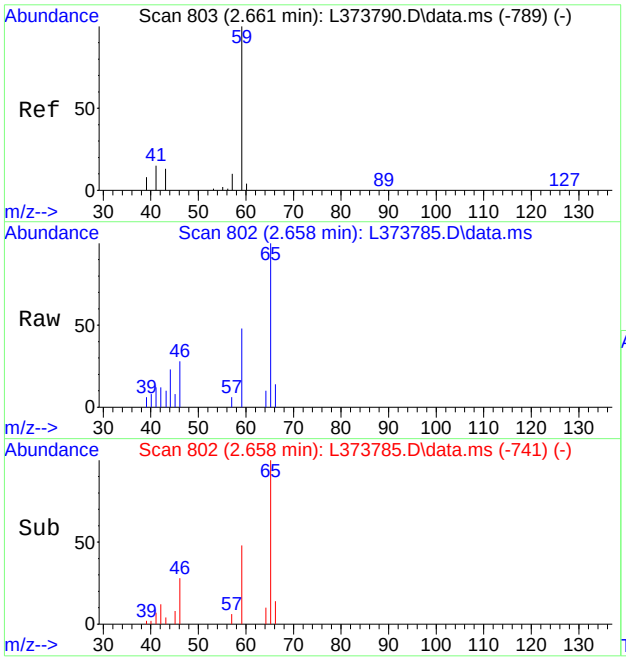


#3
ethanol
Concen: 141.37 ug/L
RT: 2.087 min Scan# 624
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 45 Resp: 7625

Ion	Ratio	Lower	Upper
45	100		
46	32.2	18.6	58.6

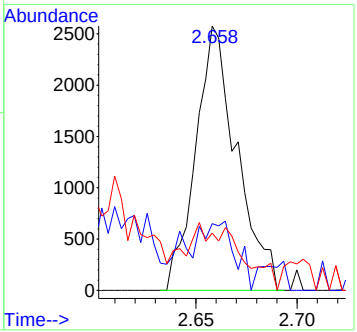


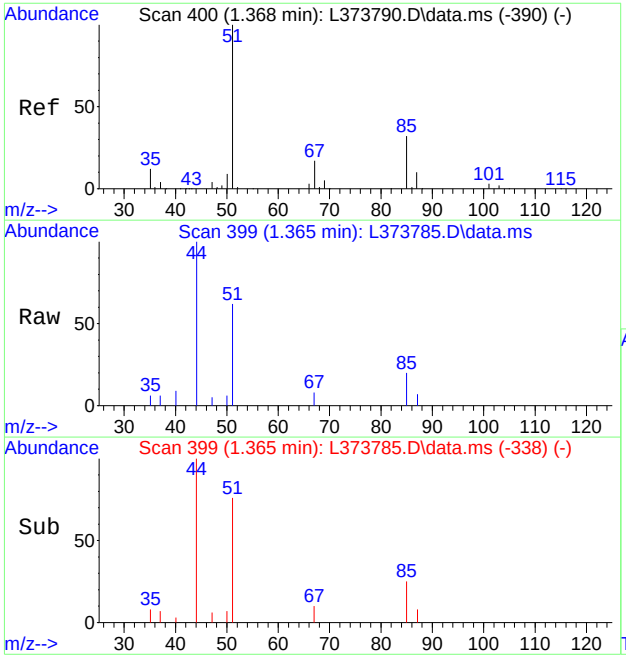


#4
tertiary butyl alcohol
Concen: 5.07 ug/L
RT: 2.658 min Scan# 802
Delta R.T. -0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 59 Resp: 3643

Ion	Ratio	Lower	Upper
59	100		
41	14.9	0.0	45.3
43	12.6	0.0	43.5

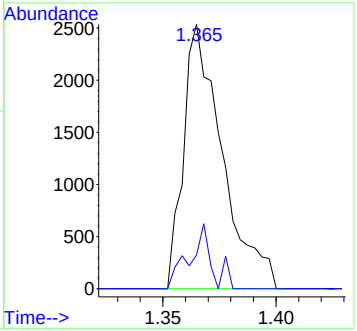


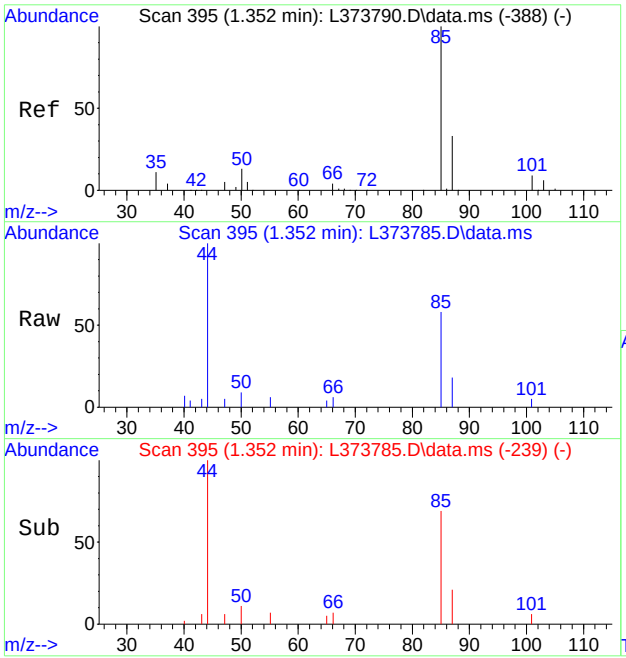


#6
chlorodifluoromethane
Concen: 0.87 ug/L
RT: 1.365 min Scan# 399
Delta R.T. -0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 51 Resp: 3028

Ion	Ratio	Lower	Upper
51	100		
67	12.7	0.0	37.0

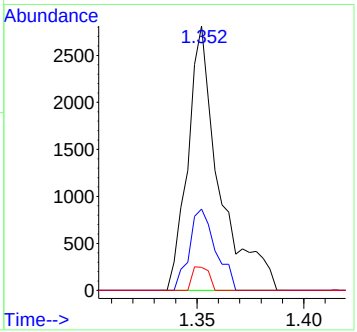


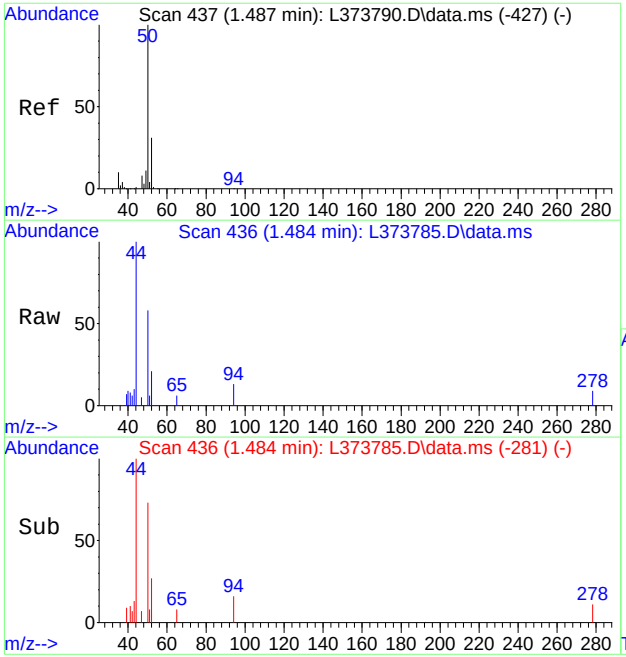


#7
dichlorodifluoromethane
Concen: 0.82 ug/L
RT: 1.352 min Scan# 395
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 85 Resp: 2876

Ion	Ratio	Lower	Upper
85	100		
87	30.8	2.8	62.8
101	8.7	0.0	38.9

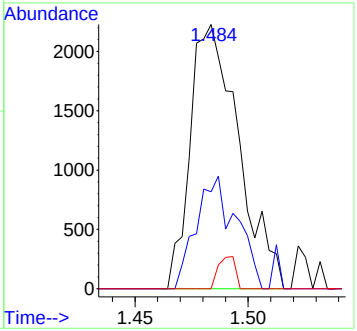


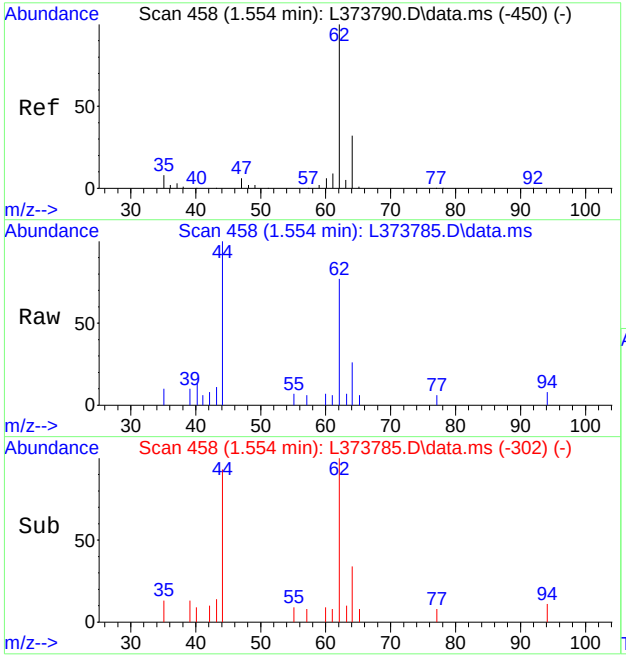


#8
chloromethane
Concen: 0.90 ug/L
RT: 1.484 min Scan# 436
Delta R.T. -0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 50 Resp: 3308

Ion	Ratio	Lower	Upper
50	100		
52	36.7	1.5	61.5
49	0.0	0.0	41.1

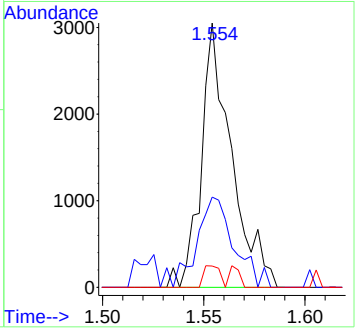


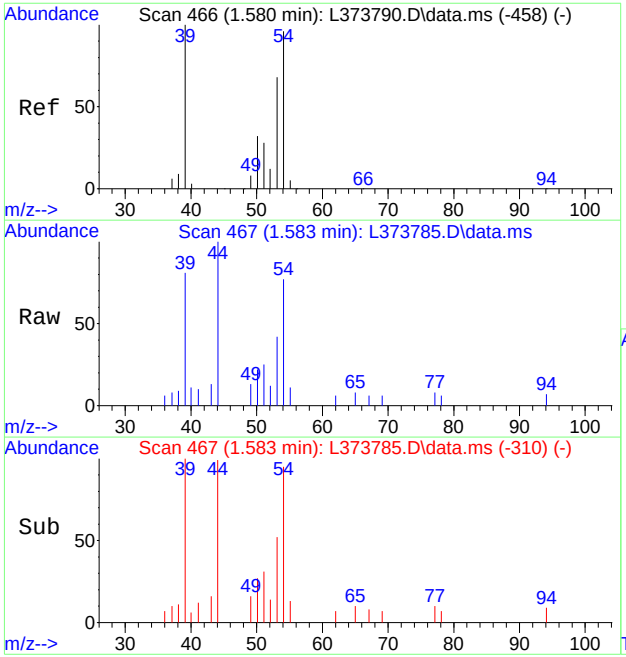


#9
vinyl chloride
Concen: 0.92 ug/L
RT: 1.554 min Scan# 458
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 62 Resp: 3166

Ion	Ratio	Lower	Upper
62	100		
64	34.1	2.2	62.2
61	8.0	0.0	38.5

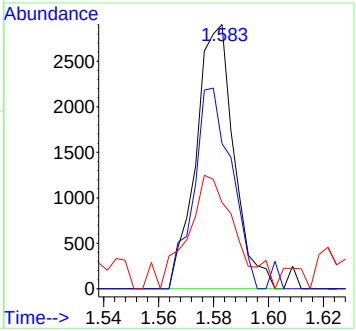


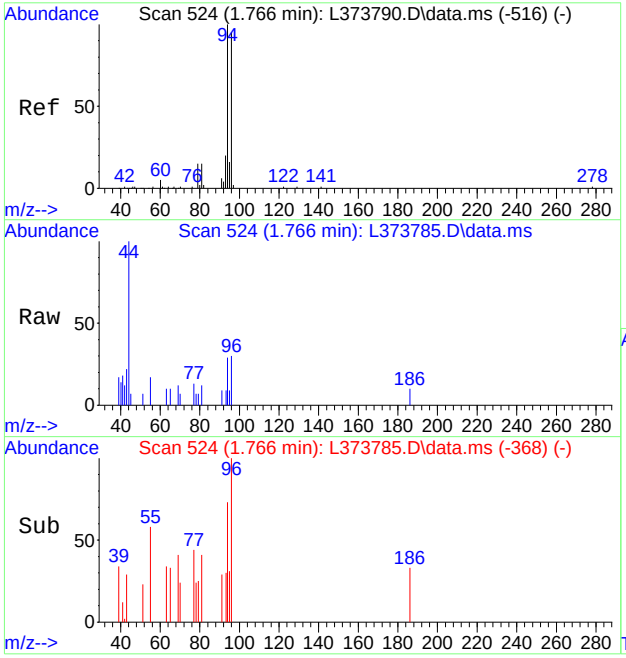


#10
1,3-butadiene
Concen: 0.90 ug/L
RT: 1.583 min Scan# 467
Delta R.T. 0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 54 Resp: 2791

Ion	Ratio	Lower	Upper
54	100		
53	54.9	40.7	100.7
51	32.6	0.0	59.5

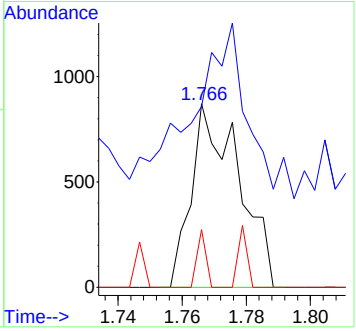


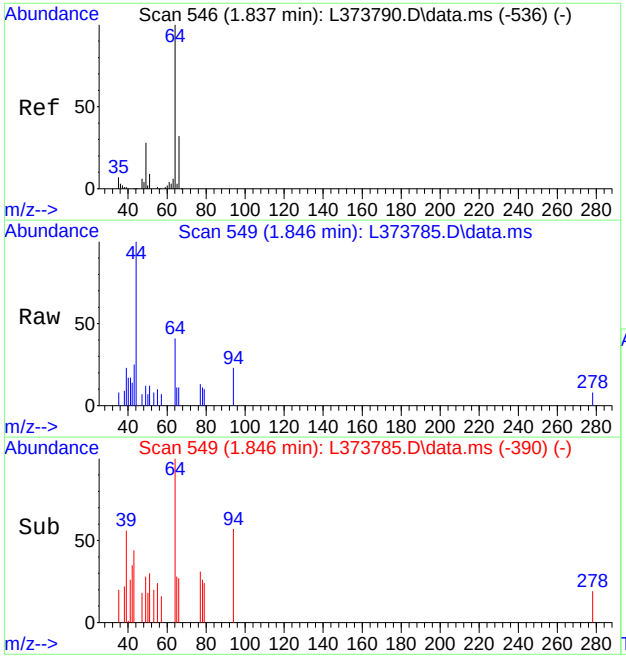


#11
bromomethane
Concen: 1.05 ug/L
RT: 1.766 min Scan# 524
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 96 Resp: 898

Ion	Ratio	Lower	Upper
96	100		
94	27.7	76.7	136.7#
95	31.5	0.0	46.3

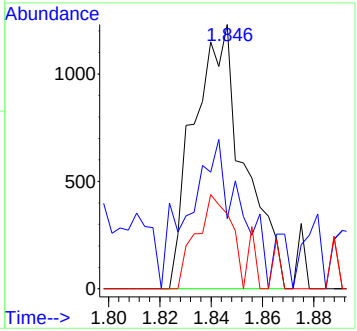


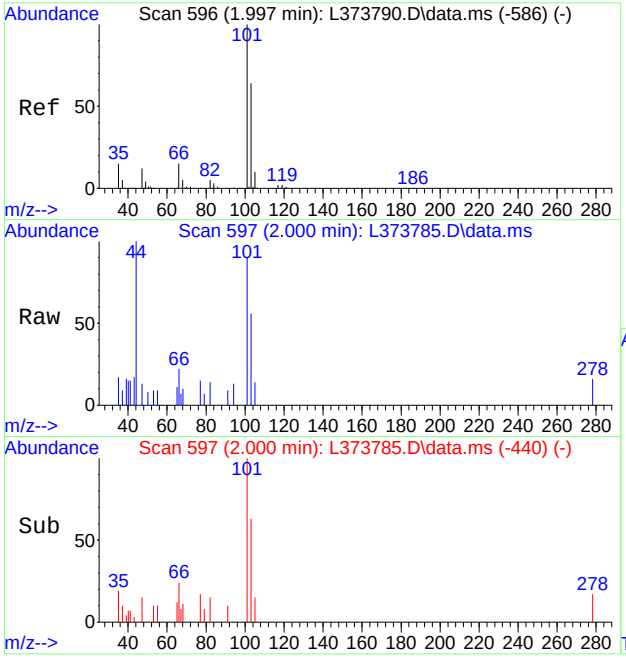


#12
chloroethane
Concen: 1.18 ug/L
RT: 1.846 min Scan# 549
Delta R.T. 0.010 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 64 Resp: 1678

Ion	Ratio	Lower	Upper
64	100		
66	26.6	1.8	61.8
49	28.4	0.0	57.7

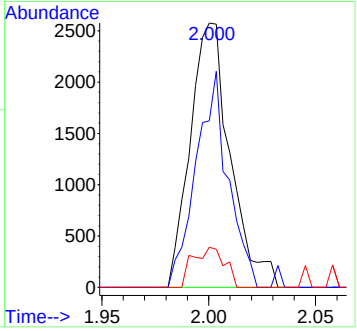


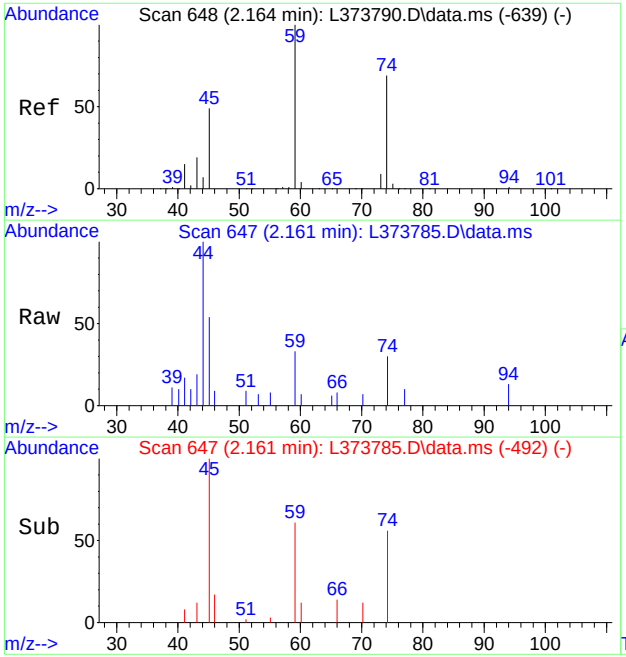


#13
trichlorofluoromethane
Concen: 0.79 ug/L
RT: 2.000 min Scan# 597
Delta R.T. 0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion:101 Resp: 3370

Ion	Ratio	Lower	Upper
101	100		
103	62.9	33.8	93.8
105	15.2	0.0	40.0

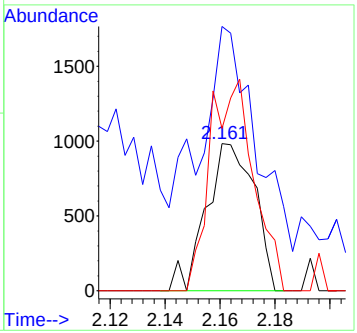


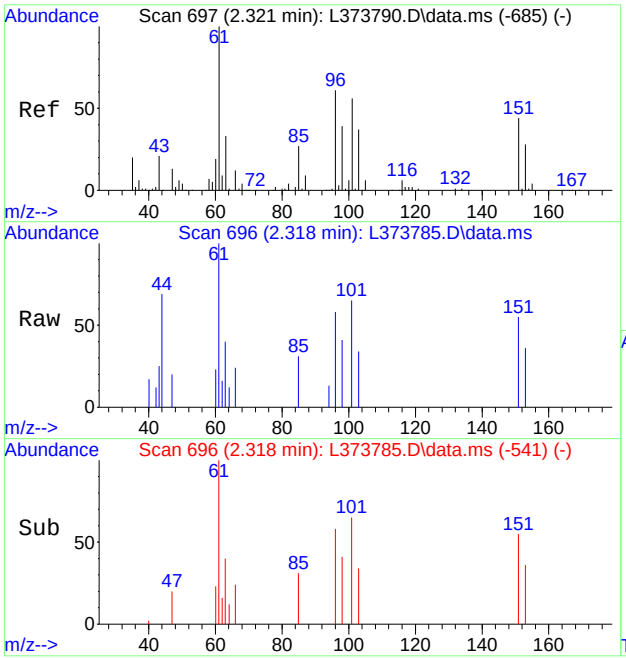


#14
ethyl ether
Concen: 0.85 ug/L
RT: 2.161 min Scan# 647
Delta R.T. -0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 74 Resp: 1199

Ion	Ratio	Lower	Upper
74	100		
45	122.4	102.0	162.0
59	110.2	114.2	174.2#

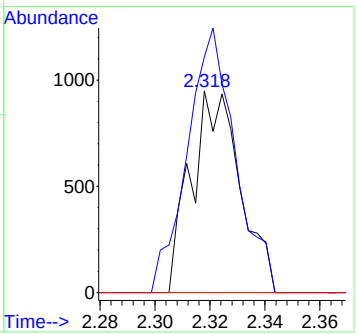


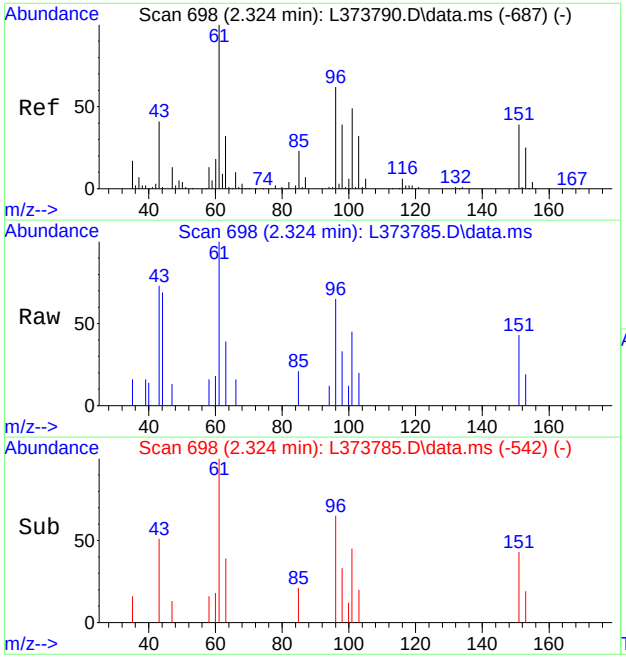


#16
freon 113
Concen: 0.61 ug/L
RT: 2.318 min Scan# 696
Delta R.T. -0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion:151 Resp: 1180

Ion	Ratio	Lower	Upper
151	100		
101	116.7	107.4	147.4
116	0.0	0.0	33.9

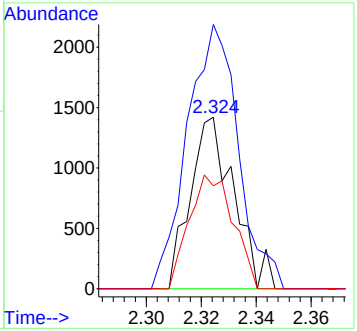


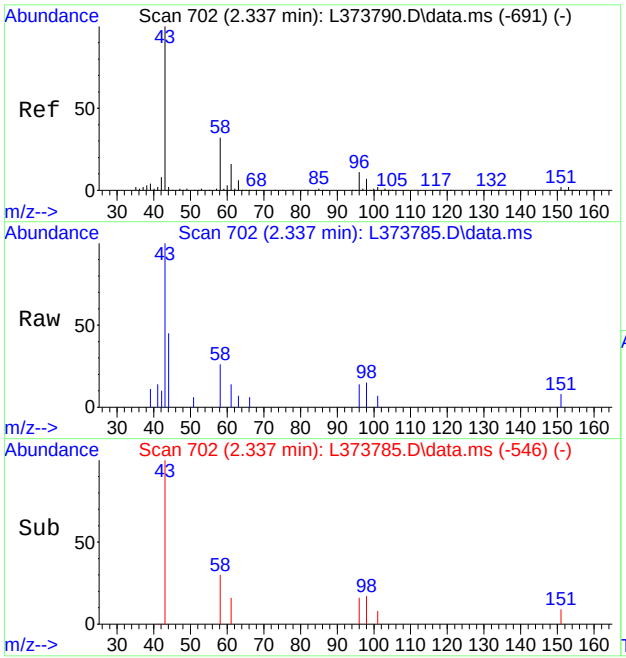


#17
1,1-dichloroethene
Concen: 0.71 ug/L
RT: 2.324 min Scan# 698
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 96 Resp: 1570

Ion	Ratio	Lower	Upper
96	100		
61	154.3	131.4	191.4
63	60.0	22.3	82.3

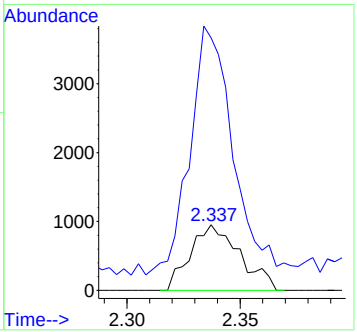


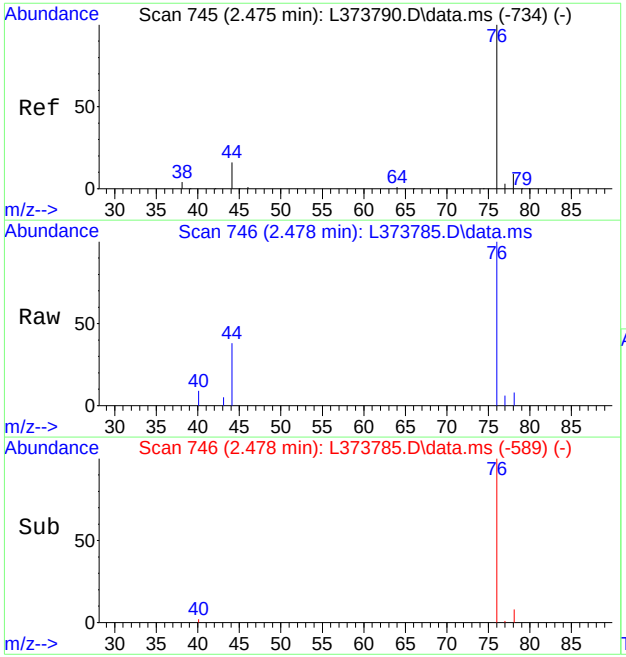


#18
acetone
Concen: 3.09 ug/L
RT: 2.337 min Scan# 702
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 58 Resp: 1442

Ion	Ratio	Lower	Upper
58	100		
43	343.4	286.5	346.5

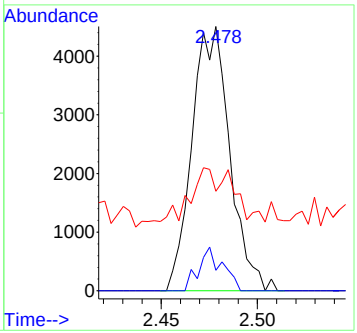


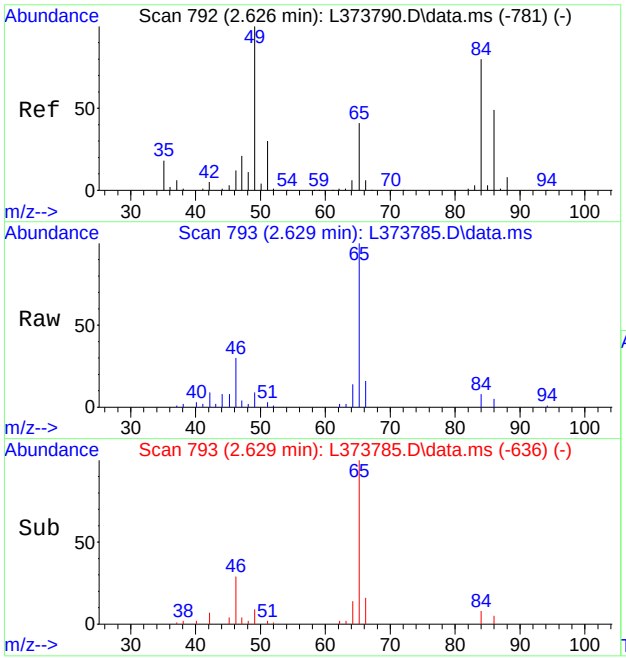


#22
carbon disulfide
Concen: 0.89 ug/L
RT: 2.478 min Scan# 746
Delta R.T. 0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 76 Resp: 6161

Ion	Ratio	Lower	Upper
76	100		
78	7.7	0.0	38.9
44	11.5	0.0	46.1

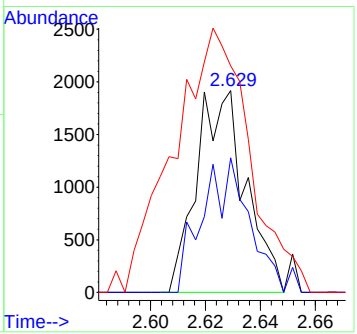


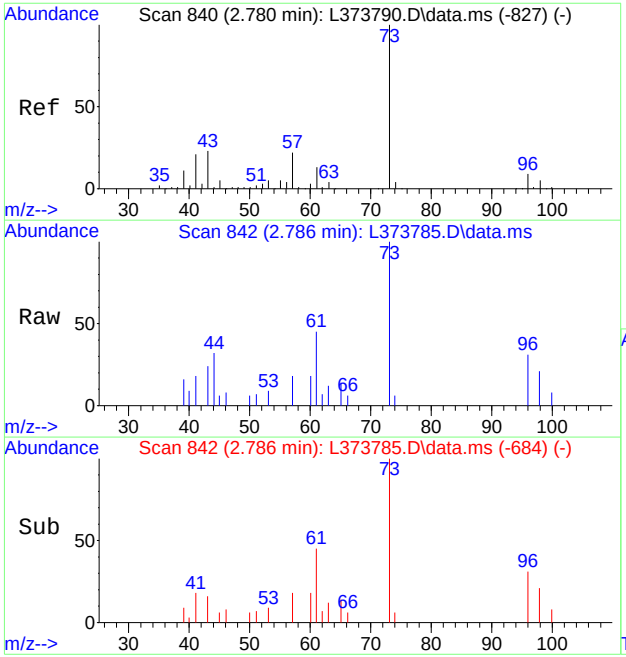


#23
methylene chloride
Concen: 0.84 ug/L
RT: 2.629 min Scan# 793
Delta R.T. 0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 84 Resp: 2379

Ion	Ratio	Lower	Upper
84	100		
86	66.7	31.2	91.2
49	90.8	95.6	155.6#

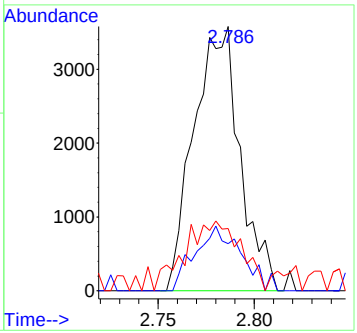


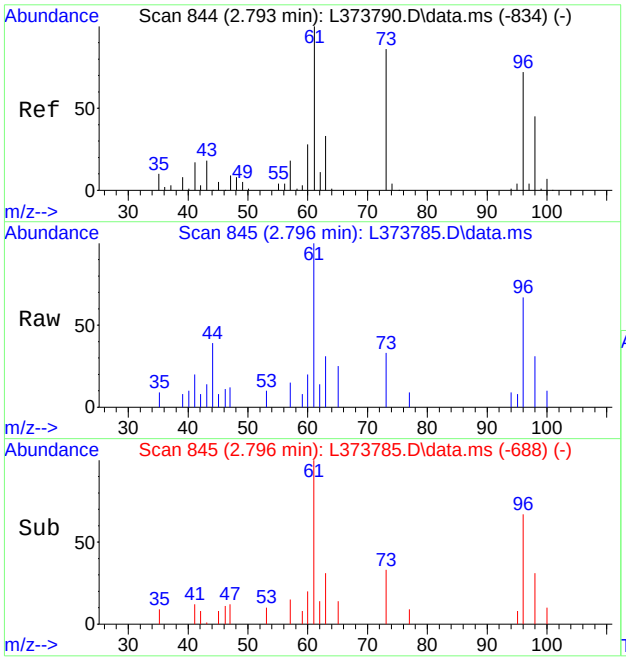


#25
methyl tert butyl ether
Concen: 0.86 ug/L
RT: 2.786 min Scan# 842
Delta R.T. 0.006 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 73 Resp: 5963

Ion	Ratio	Lower	Upper
73	100		
57	17.8	0.0	52.4
43	17.9	0.0	52.7

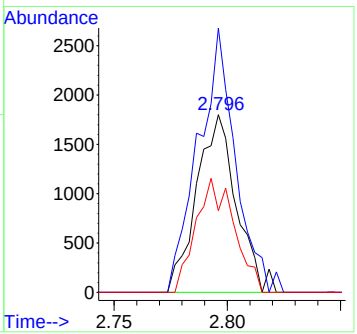


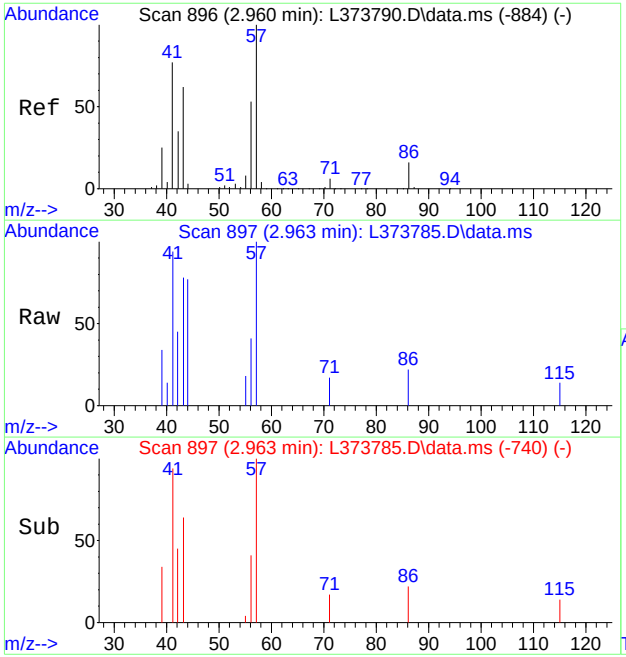


#26
trans-1,2-dichloroethene
Concen: 0.89 ug/L
RT: 2.796 min Scan# 845
Delta R.T. 0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 96 Resp: 2200

Ion	Ratio	Lower	Upper
96	100		
61	148.7	109.1	169.1
98	45.9	32.0	92.0

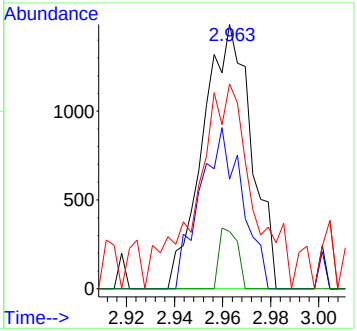


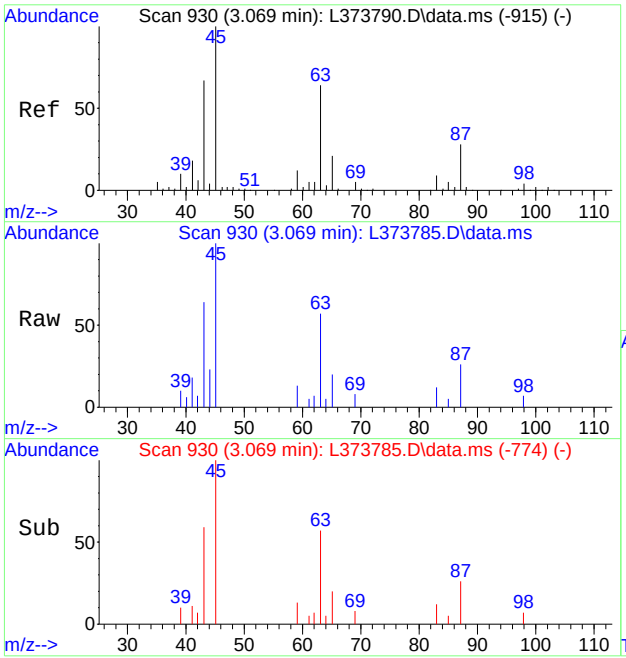


#27
hexane
Concen: 0.65 ug/L
RT: 2.963 min Scan# 897
Delta R.T. 0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 57 Resp: 2074

Ion	Ratio	Lower	Upper
57	100		
56	41.4	32.9	72.9
43	63.9	41.9	81.9
86	21.6	0.0	36.3

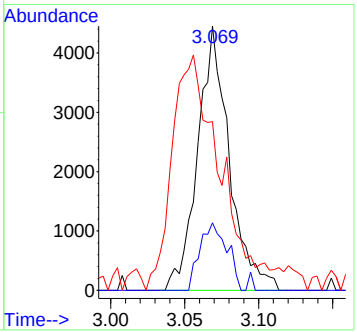


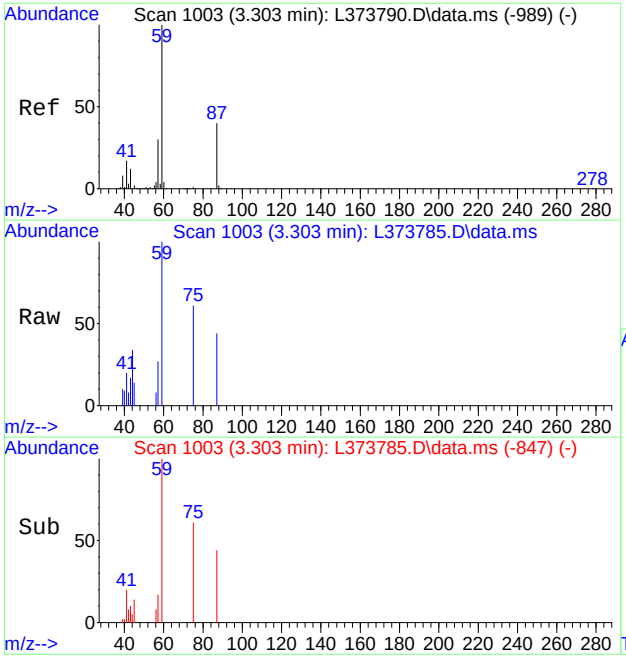


#28
di-isopropyl ether
Concen: 0.89 ug/L
RT: 3.069 min Scan# 930
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 45 Resp: 6604

Ion	Ratio	Lower	Upper
45	100		
87	25.5	0.0	57.5
43	56.8	37.5	97.5

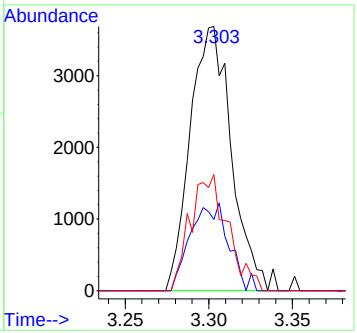


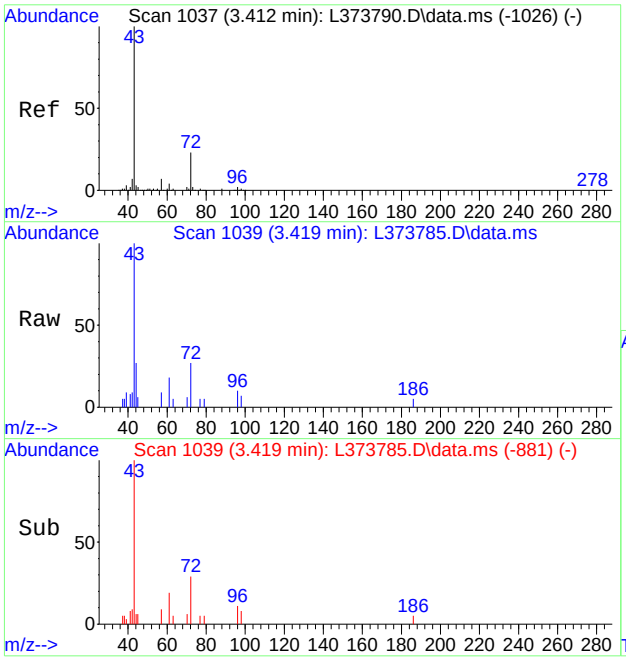


#29
ethyl tert-butyl ether
Concen: 0.81 ug/L
RT: 3.303 min Scan# 1003
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 59 Resp: 6348

Ion	Ratio	Lower	Upper
59	100		
57	27.0	0.3	60.3
87	44.0	9.6	69.6

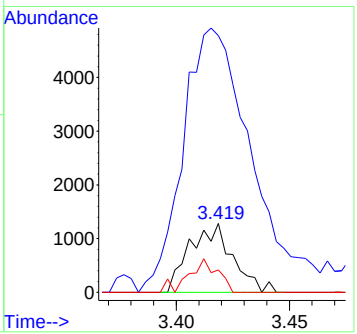


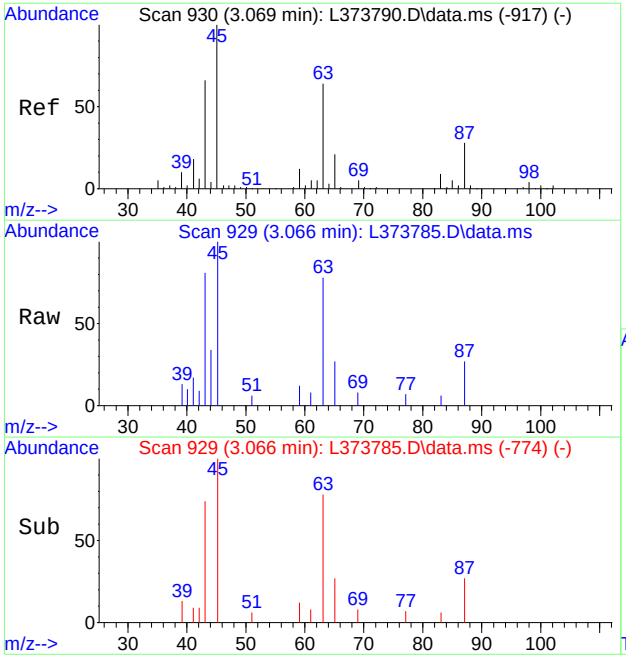


#30
2-butanone
Concen: 3.23 ug/L
RT: 3.419 min Scan# 1039
Delta R.T. 0.006 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 72 Resp: 1687

Ion	Ratio	Lower	Upper
72	100		
43	323.3	411.9	471.9#
57	32.7	2.4	62.4

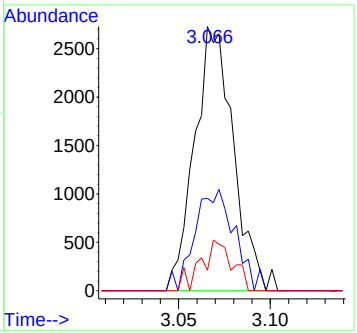


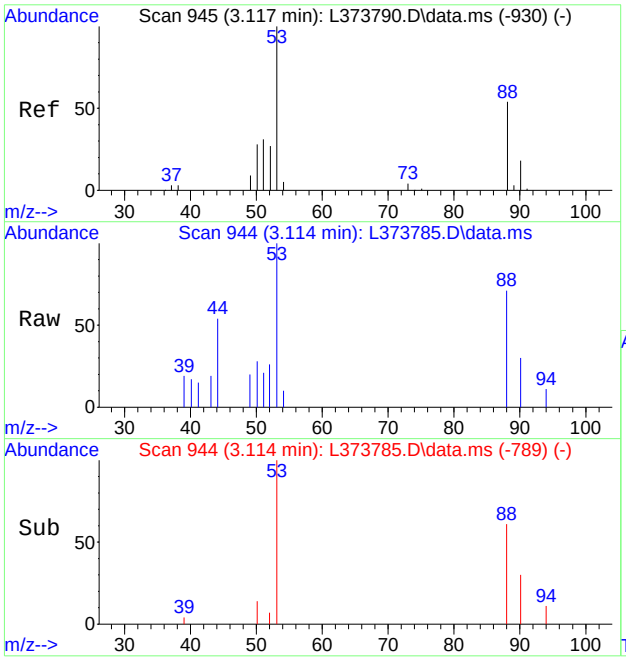


#31
1,1-dichloroethane
Concen: 0.87 ug/L
RT: 3.066 min Scan# 929
Delta R.T. -0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 63 Resp: 4044

Ion	Ratio	Lower	Upper
63	100		
65	35.0	2.5	62.5
83	7.8	0.0	43.5

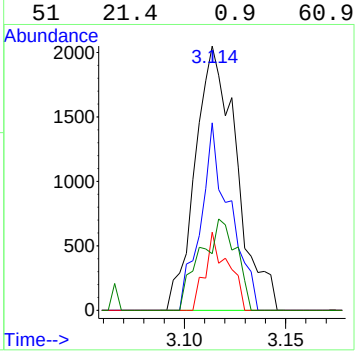


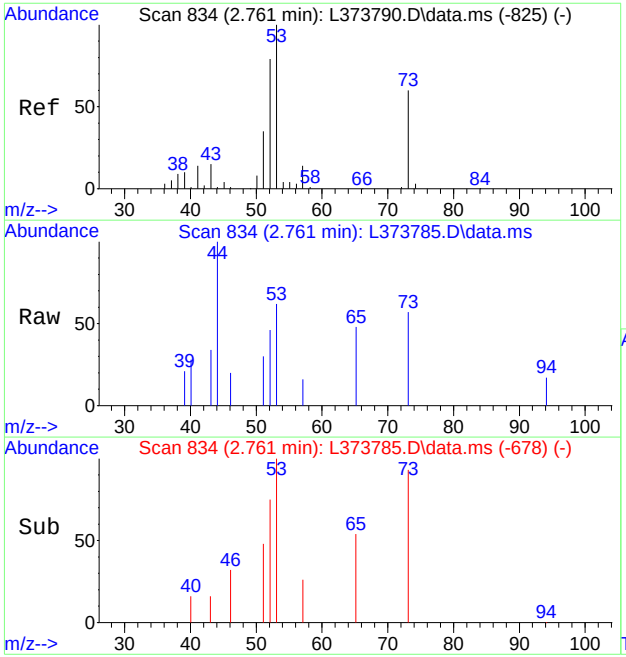


#32
chloroprene
Concen: 0.66 ug/L
RT: 3.114 min Scan# 944
Delta R.T. -0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 53 Resp: 2913

Ion	Ratio	Lower	Upper
53	100		
88	70.9	26.2	86.2
90	29.6	0.0	47.9
51	21.4	0.9	60.9

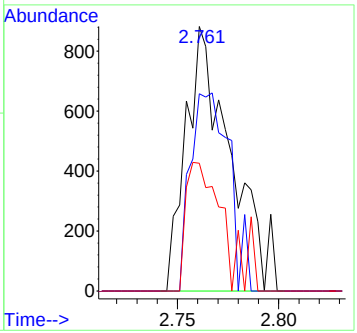


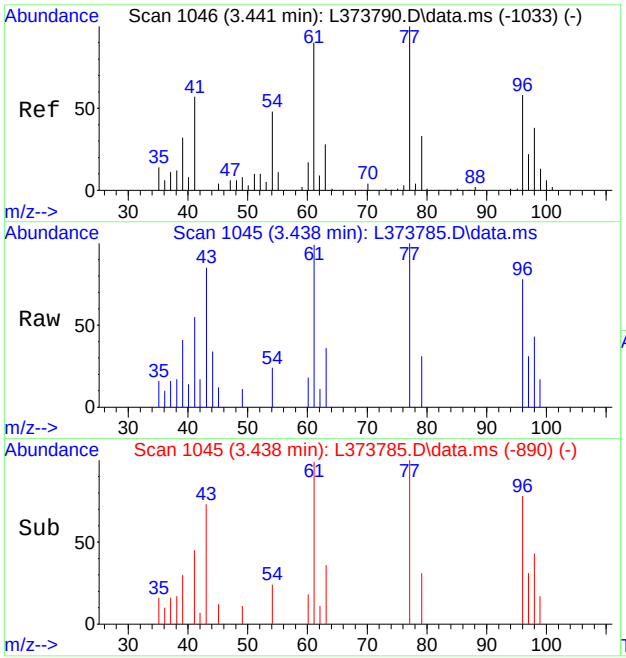


#33
acrylonitrile
Concen: 0.98 ug/L
RT: 2.761 min Scan# 834
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 53 Resp: 1355

Ion	Ratio	Lower	Upper
53	100		
52	74.5	48.8	108.8
51	48.2	4.6	64.6

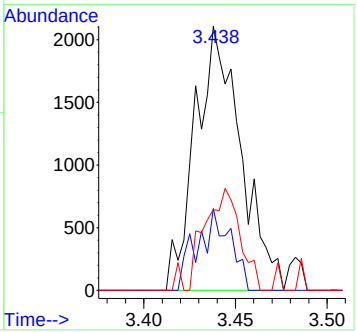


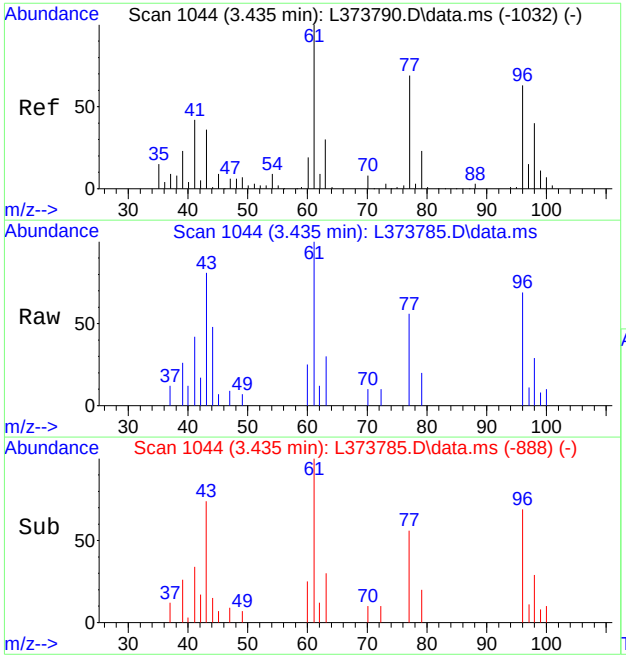


#36
2,2-dichloropropane
Concen: 0.86 ug/L
RT: 3.438 min Scan# 1045
Delta R.T. -0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 77 Resp: 3655

Ion	Ratio	Lower	Upper
77	100		
97	31.0	0.0	52.3
79	30.6	3.0	63.0

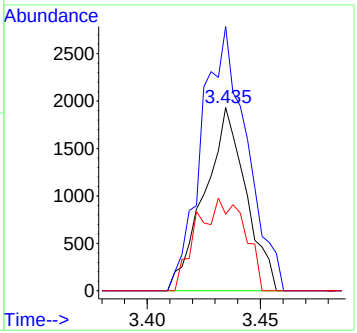


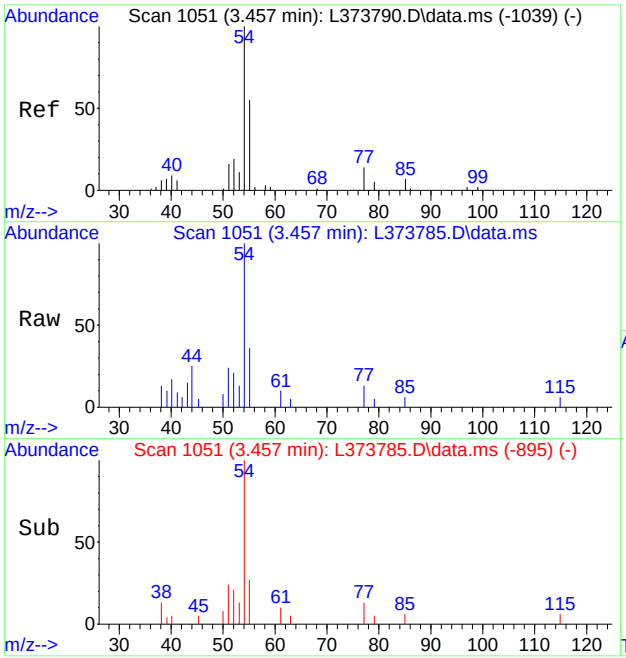


#37
cis-1,2-dichloroethene
Concen: 0.92 ug/L
RT: 3.435 min Scan# 1044
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 96 Resp: 2452

Ion	Ratio	Lower	Upper
96	100		
61	144.2	128.7	188.7
98	41.8	34.1	94.1

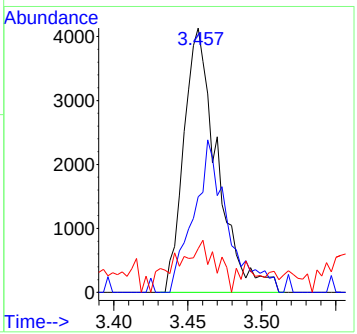


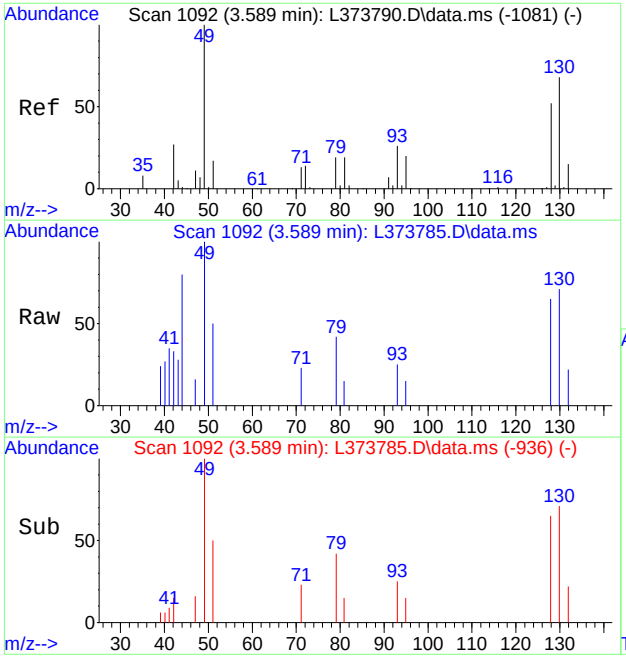


#38
propionitrile
Concen: 8.59 ug/L
RT: 3.457 min Scan# 1051
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 54 Resp: 6527

Ion	Ratio	Lower	Upper
54	100		
55	36.1	25.4	85.4
40	9.9	0.0	39.0

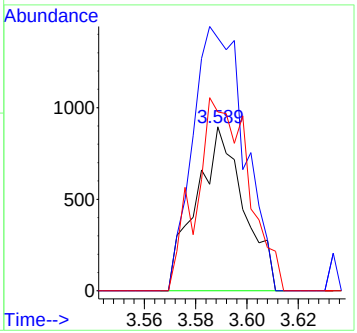


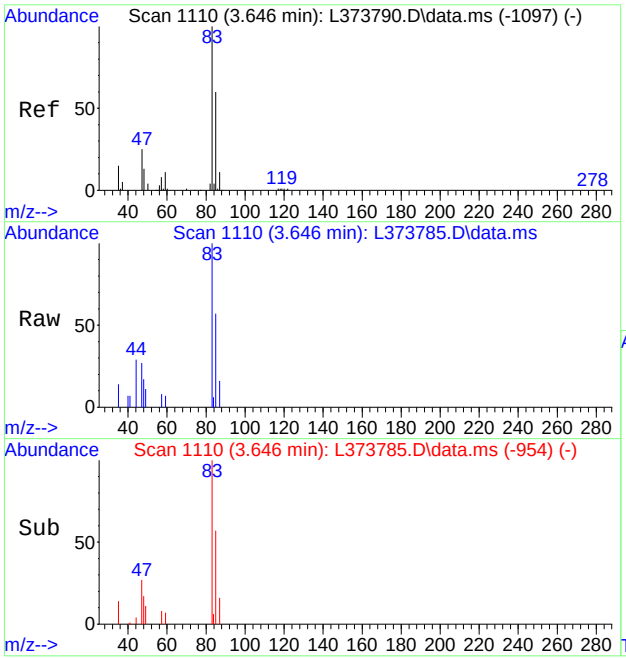


#40
bromochloromethane
Concen: 1.07 ug/L
RT: 3.589 min Scan# 1092
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion:128 Resp: 1154

Ion	Ratio	Lower	Upper
128	100		
49	154.3	163.3	223.3#
130	109.2	100.3	160.3

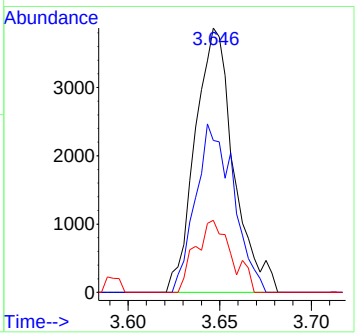


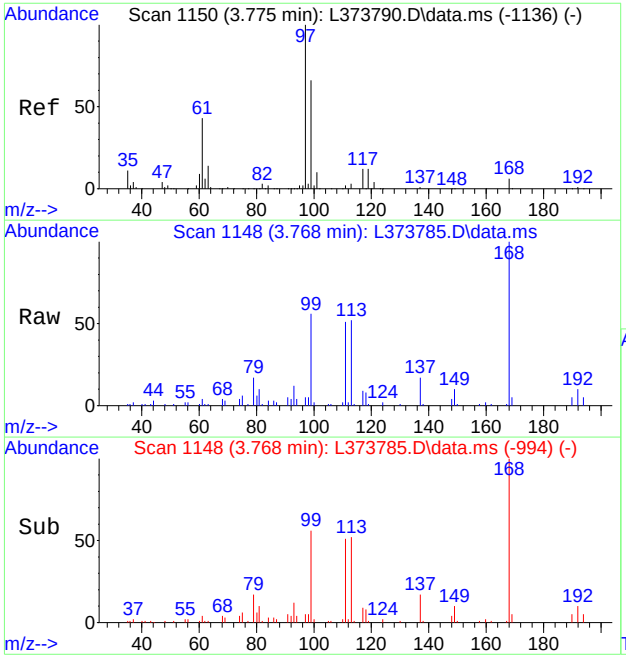


#42
chloroform
Concen: 1.14 ug/L
RT: 3.646 min Scan# 1110
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 83 Resp: 5678

Ion	Ratio	Lower	Upper
83	100		
85	57.4	29.7	89.7
47	27.3	0.0	54.6

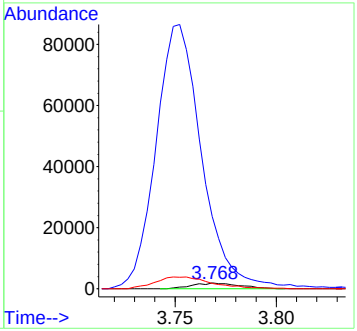


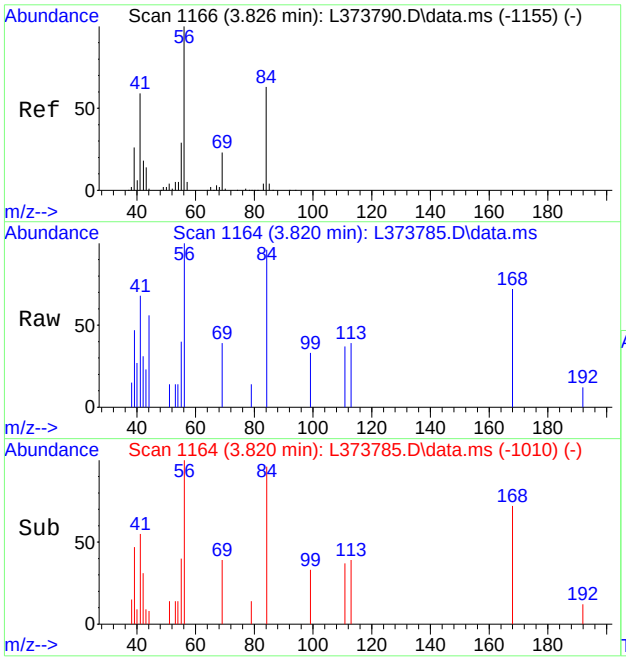


#45
1,1,1-trichloroethane
Concen: 0.71 ug/L
RT: 3.768 min Scan# 1148
Delta R.T. -0.006 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 97 Resp: 3096

Ion	Ratio	Lower	Upper
97	100		
99	1141.3	41.0	101.0#
61	78.6	12.9	72.9#

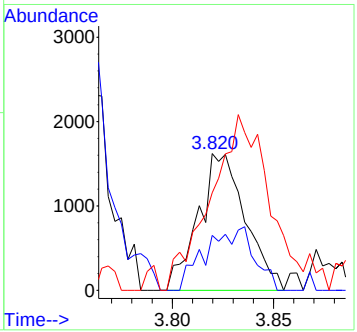


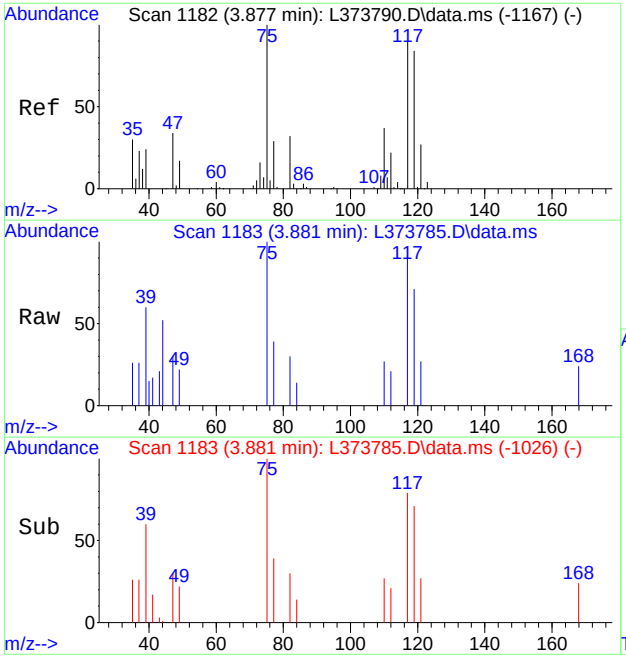


#46
cyclohexane
Concen: 0.70 ug/L
RT: 3.820 min Scan# 1164
Delta R.T. -0.006 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 84 Resp: 2622

Ion	Ratio	Lower	Upper
84	100		
69	40.1	16.2	56.2
41	71.3	73.6	113.6#

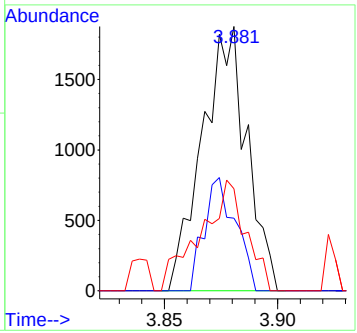


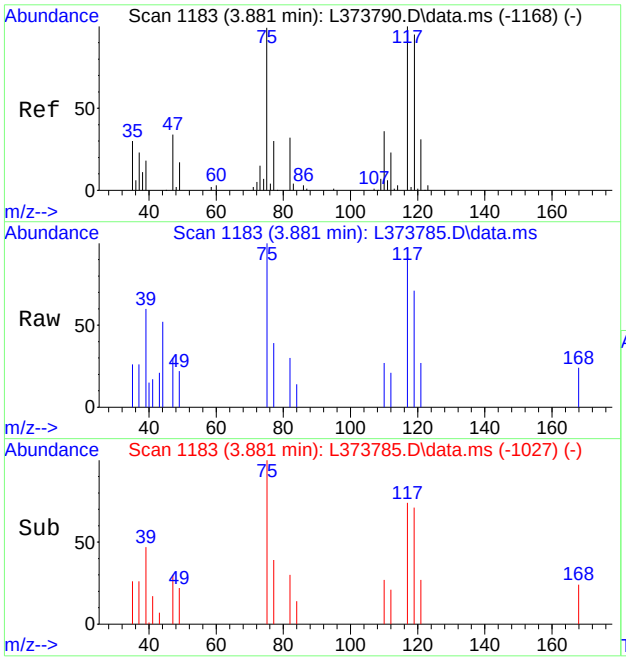


#47
1,1-dichloropropene
Concen: 0.77 ug/L
RT: 3.881 min Scan# 1183
Delta R.T. 0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 75 Resp: 2567

Ion	Ratio	Lower	Upper
75	100		
110	27.4	17.0	57.0
77	38.6	10.2	50.2

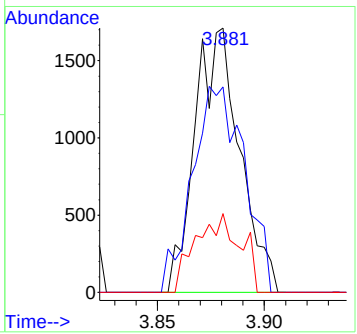


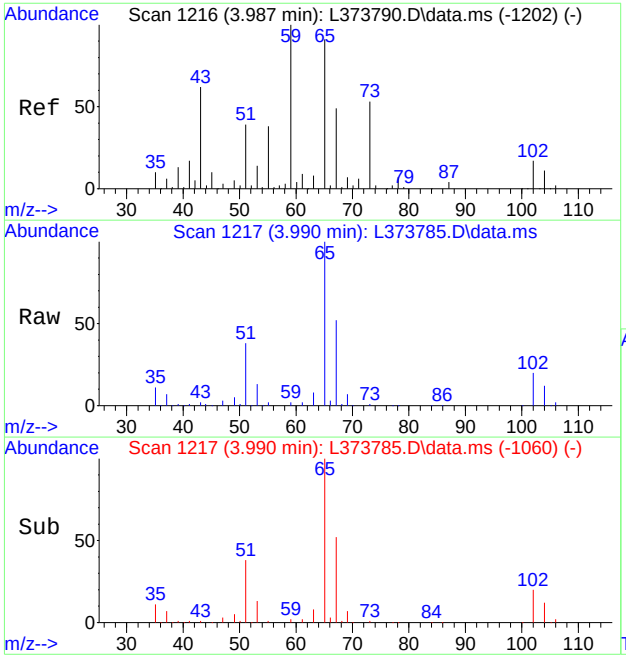


#48
carbon tetrachloride
Concen: 0.69 ug/L
RT: 3.881 min Scan# 1183
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion:117 Resp: 2503

Ion	Ratio	Lower	Upper
117	100		
119	77.7	74.4	114.4
121	29.8	10.8	50.8

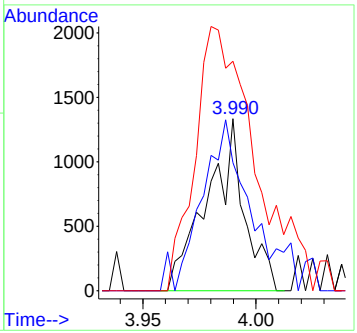


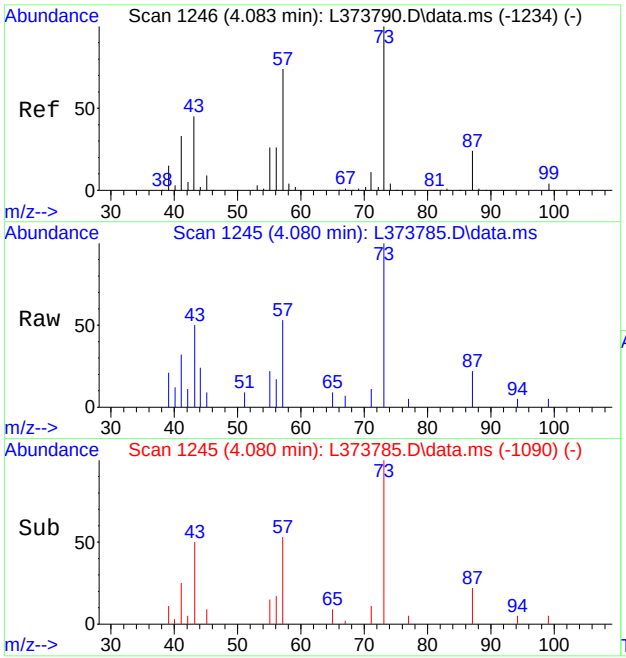


#50
tert amyl alcohol
Concen: 5.76 ug/L
RT: 3.990 min Scan# 1217
Delta R.T. 0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 55 Resp: 1535

Ion	Ratio	Lower	Upper
55	100		
73	74.5	119.2	159.2#
59	133.3	242.0	282.0#

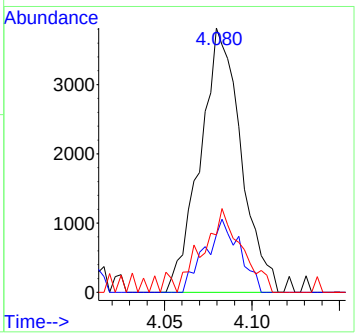


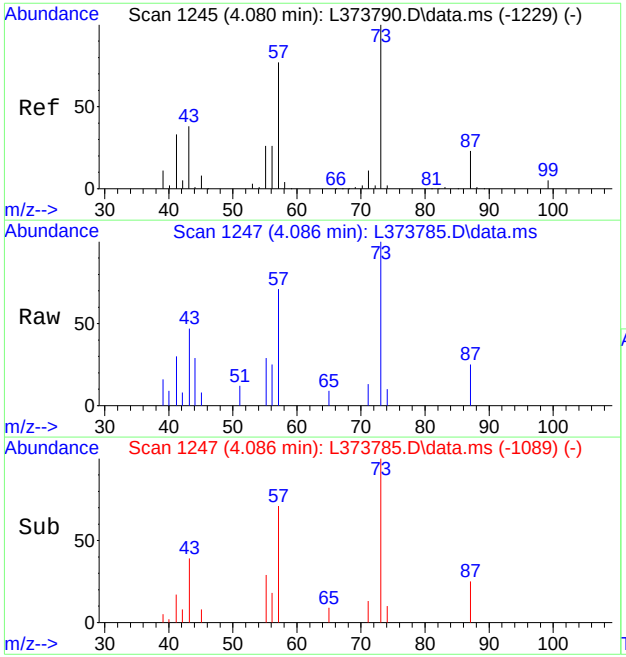


#53
tert-amyl methyl ether
Concen: 0.85 ug/L
RT: 4.080 min Scan# 1245
Delta R.T. -0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 73 Resp: 6200

Ion	Ratio	Lower	Upper
73	100		
87	21.7	4.6	44.6
55	21.8	5.7	45.7

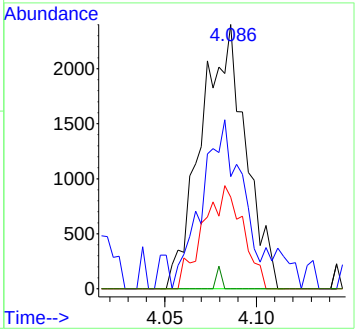


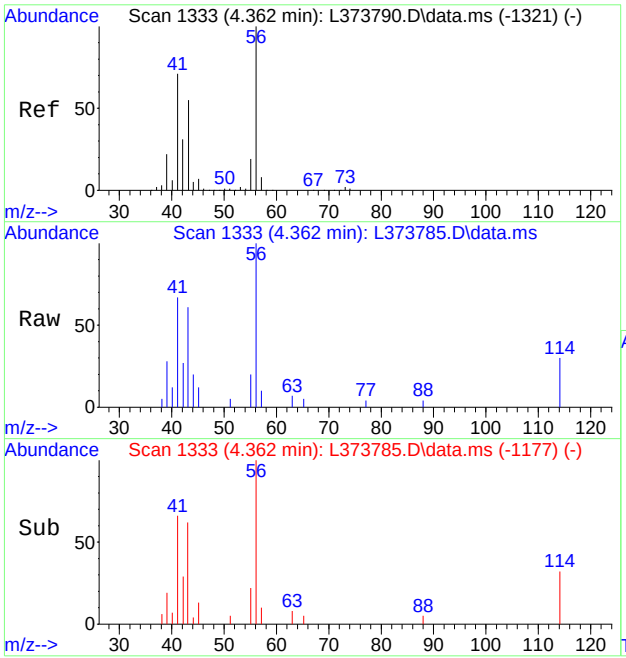


#54
2,2,4-trimethylpentane
Concen: 0.72 ug/L
RT: 4.086 min Scan# 1247
Delta R.T. 0.006 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 57 Resp: 4071

Ion	Ratio	Lower	Upper
57	100		
41	30.2	25.1	65.1
56	34.7	13.8	53.8
99	0.0	0.0	25.9

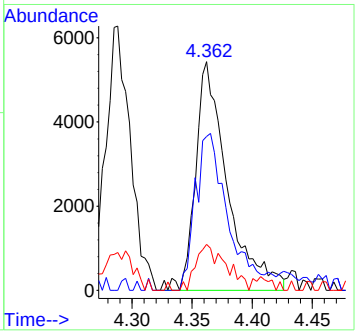


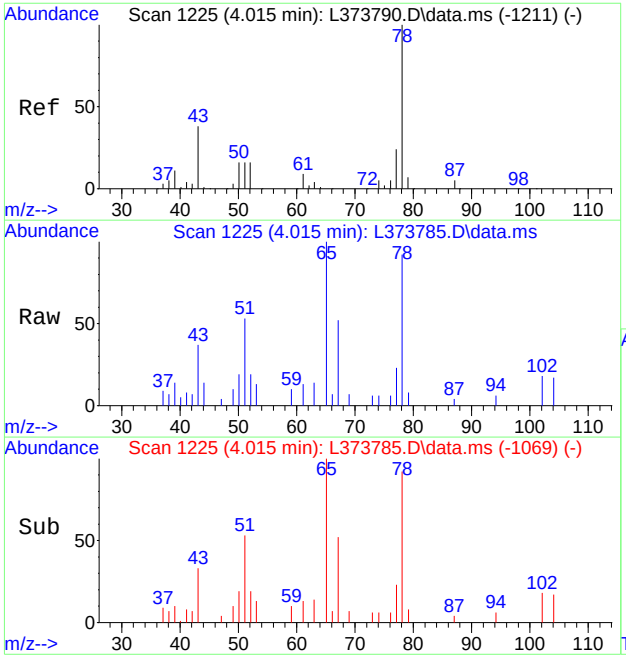


#55
n-butyl alcohol
Concen: 49.62 ug/L
RT: 4.362 min Scan# 1333
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 56 Resp: 9995

Ion	Ratio	Lower	Upper
56	100		
41	67.3	40.6	100.6
55	20.1	0.0	49.1

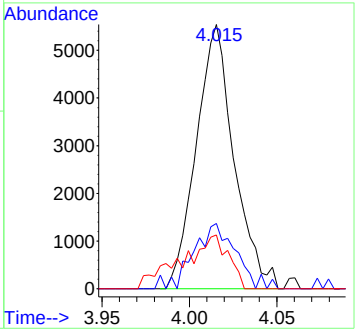


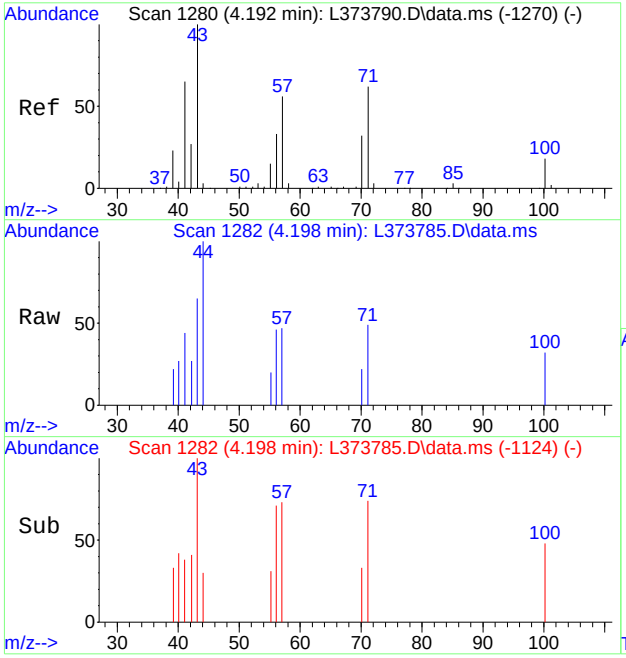


#56
benzene
Concen: 0.79 ug/L
RT: 4.015 min Scan# 1225
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 78 Resp: 8322

Ion	Ratio	Lower	Upper
78	100		
77	24.7	0.0	53.5
52	20.3	0.0	46.2

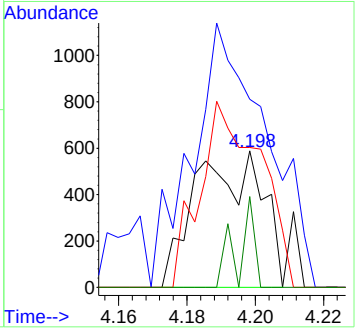


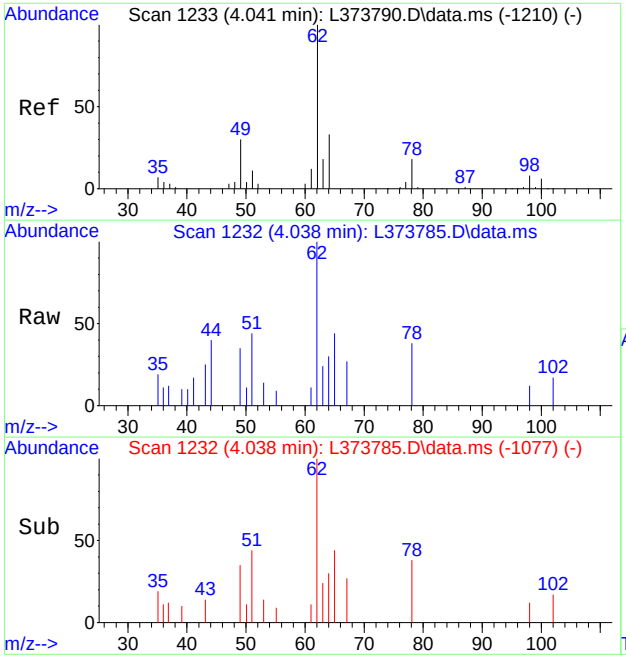


#57
heptane
Concen: 0.63 ug/L m
RT: 4.198 min Scan# 1282
Delta R.T. 0.006 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 57 Resp: 790

Ion	Ratio	Lower	Upper
57	100		
43	137.7	146.8	206.8#
71	102.4	78.5	138.5
100	66.6	1.1	61.1#

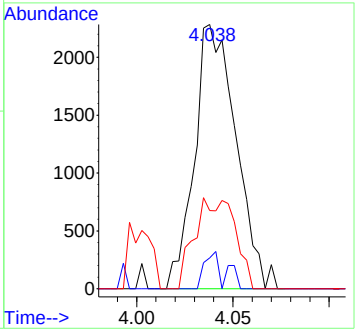


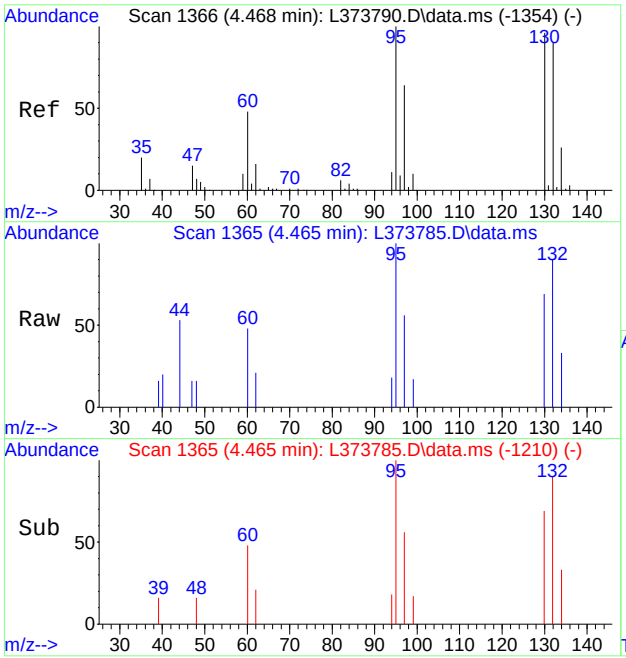


#58
1,2-dichloroethane
Concen: 0.90 ug/L
RT: 4.038 min Scan# 1232
Delta R.T. -0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 62 Resp: 3432

Ion	Ratio	Lower	Upper
62	100		
98	11.6	0.0	38.1
64	29.5	2.8	62.8

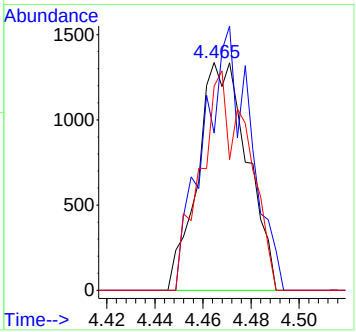


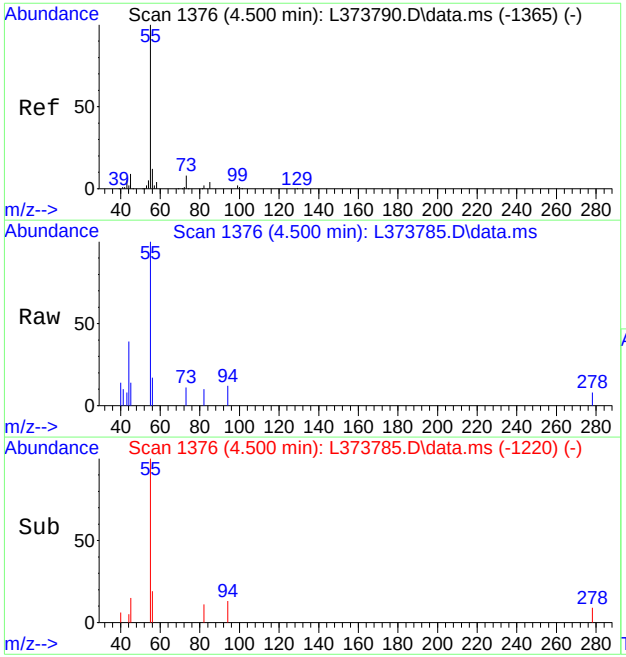


#59
trichloroethene
Concen: 0.77 ug/L
RT: 4.465 min Scan# 1365
Delta R.T. -0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 95 Resp: 1924

Ion	Ratio	Lower	Upper
95	100		
130	69.0	65.5	125.5
132	89.7	59.7	119.7

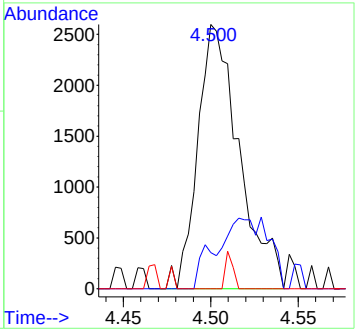


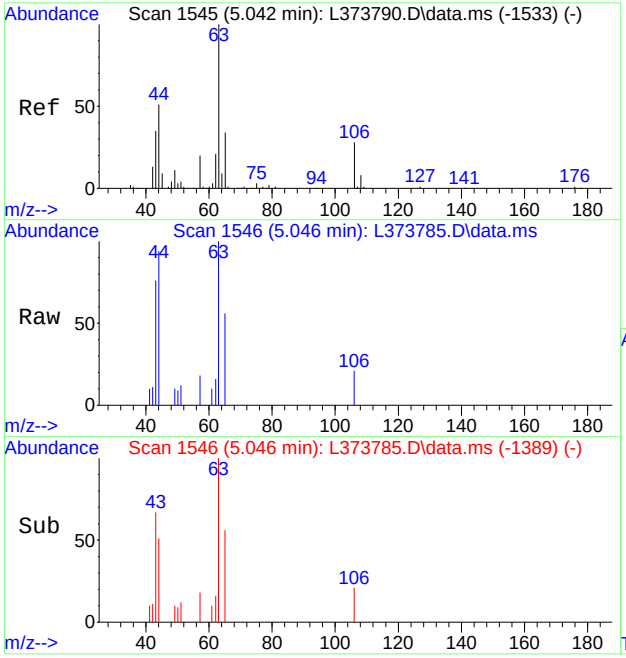


#60
ethyl acrylate
Concen: 0.99 ug/L
RT: 4.500 min Scan# 1376
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 55 Resp: 4296

Ion	Ratio	Lower	Upper
55	100		
45	13.7	0.0	28.6
99	0.0	0.0	27.8

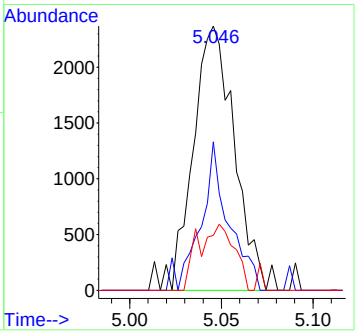


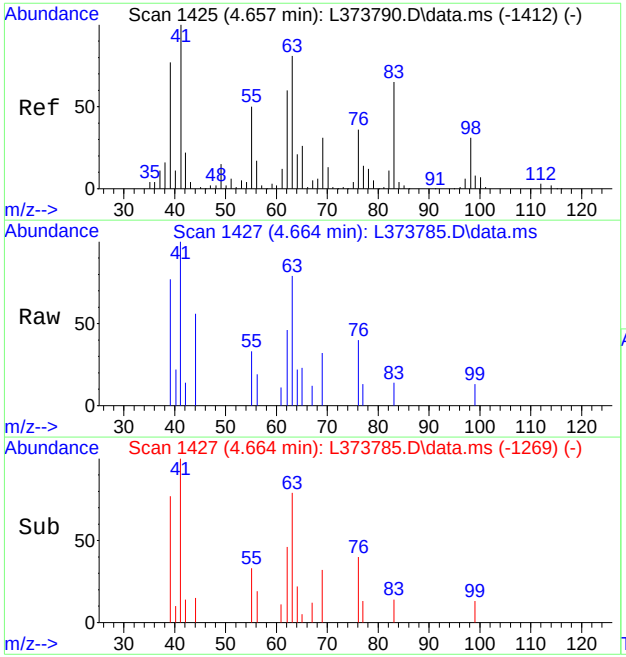


#62
2-chloroethyl vinyl ether
Concen: 4.40 ug/L
RT: 5.046 min Scan# 1546
Delta R.T. 0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 63 Resp: 3739

Ion	Ratio	Lower	Upper
63	100		
65	56.2	3.9	63.9
106	20.8	0.0	57.6

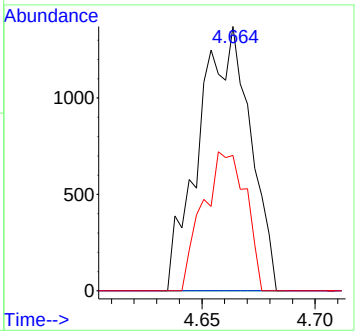


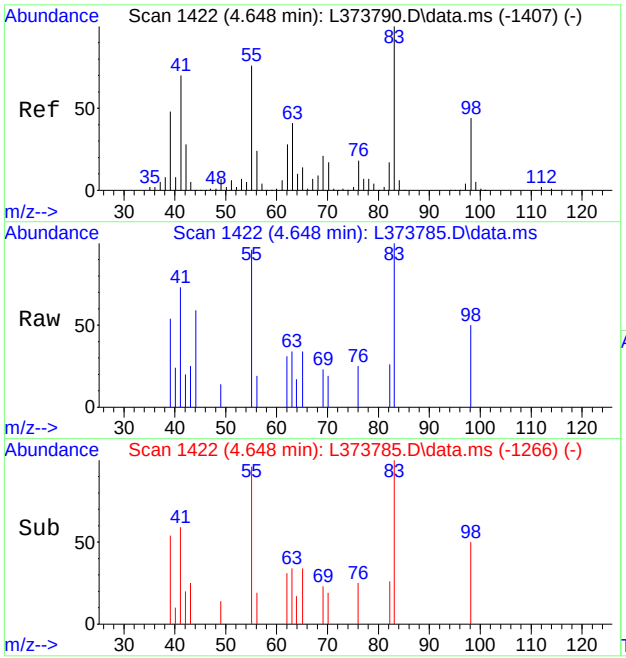


#64
1,2-dichloropropane
Concen: 0.84 ug/L
RT: 4.664 min Scan# 1427
Delta R.T. 0.006 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 63 Resp: 2158

Ion	Ratio	Lower	Upper
63	100		
112	0.0	0.0	34.1
76	51.2	14.3	74.3

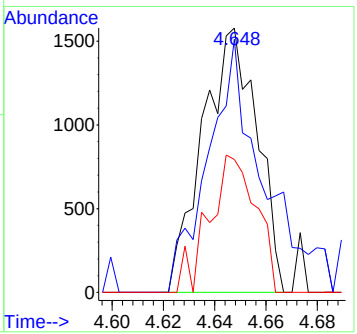


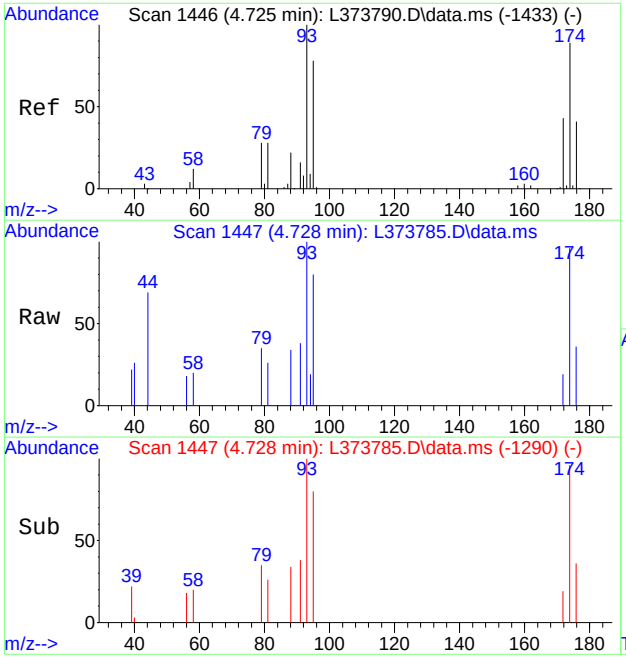


#65
methylcyclohexane
Concen: 0.68 ug/L
RT: 4.648 min Scan# 1422
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 83 Resp: 2322

Ion	Ratio	Lower	Upper
83	100		
55	95.8	46.3	106.3
98	50.3	13.7	73.7

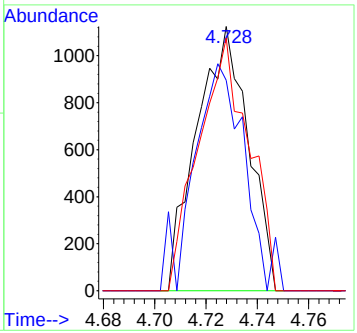


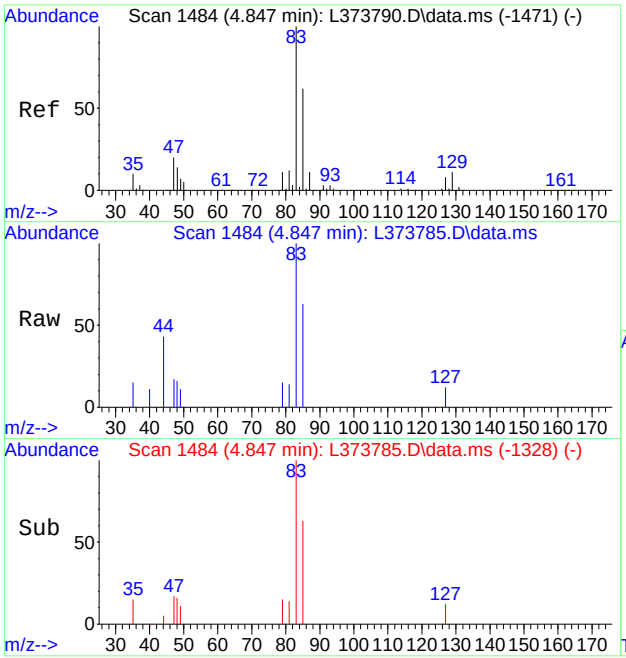


#66
dibromomethane
Concen: 0.91 ug/L
RT: 4.728 min Scan# 1447
Delta R.T. 0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 93 Resp: 1568

Ion	Ratio	Lower	Upper
93	100		
95	79.6	48.3	108.3
174	95.6	59.2	119.2

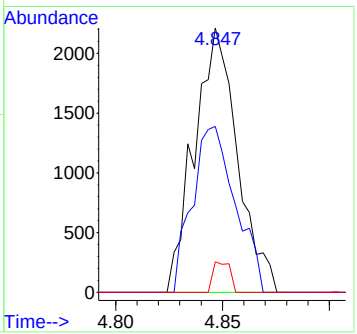


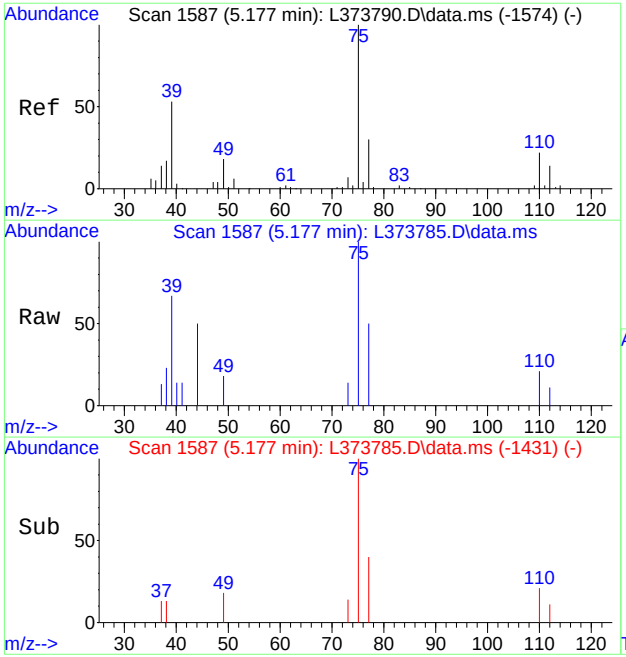


#67
bromodichloromethane
Concen: 0.87 ug/L
RT: 4.847 min Scan# 1484
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 83 Resp: 3100

Ion	Ratio	Lower	Upper
83	100		
85	62.8	31.5	91.5
127	11.6	0.0	38.3

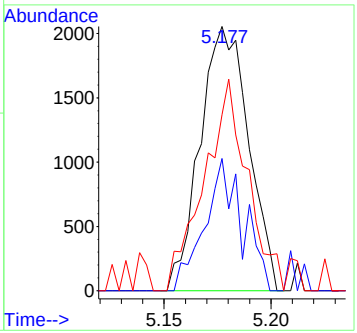


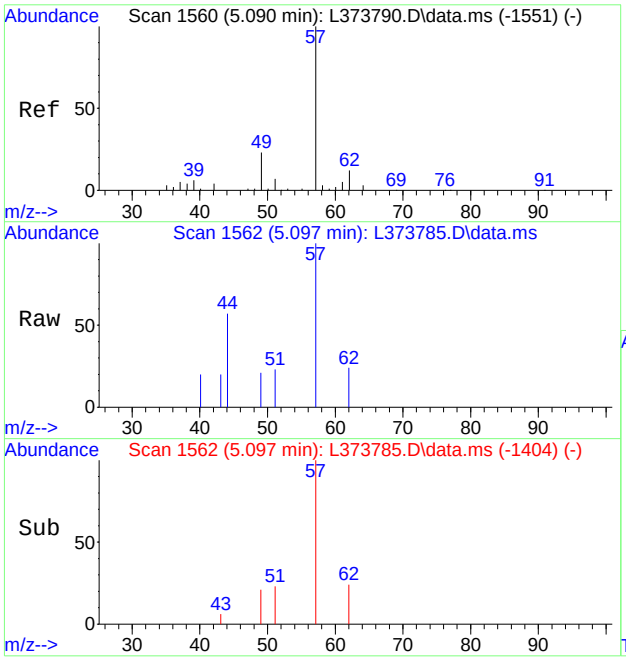


#68
cis-1,3-dichloropropene
Concen: 0.77 ug/L
RT: 5.177 min Scan# 1587
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 75 Resp: 3251

Ion	Ratio	Lower	Upper
75	100		
77	50.0	0.1	60.1
39	66.6	23.1	83.1

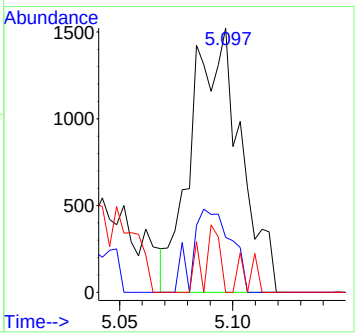


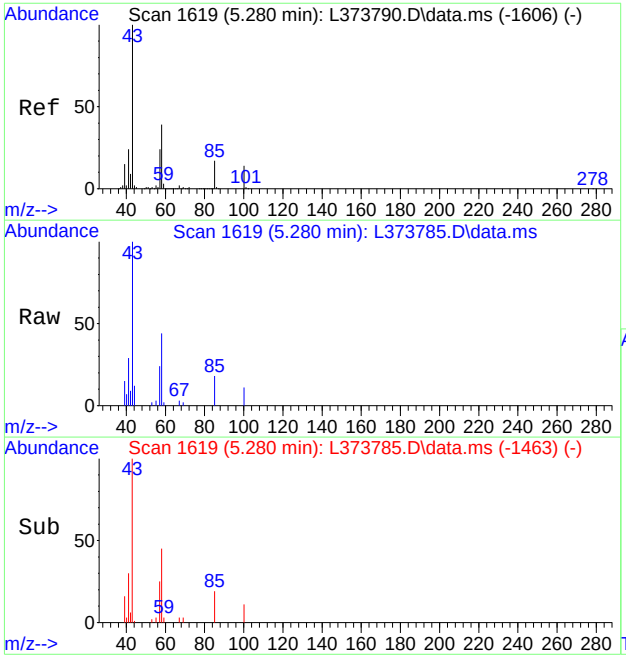


#69
epichlorohydrin
Concen: 4.59 ug/L
RT: 5.097 min Scan# 1562
Delta R.T. 0.006 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 57 Resp: 2306

Ion	Ratio	Lower	Upper
57	100		
49	20.7	1.0	41.0
42	0.0	0.0	29.5

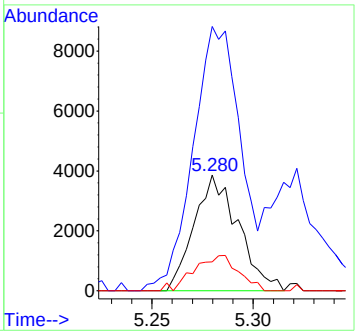


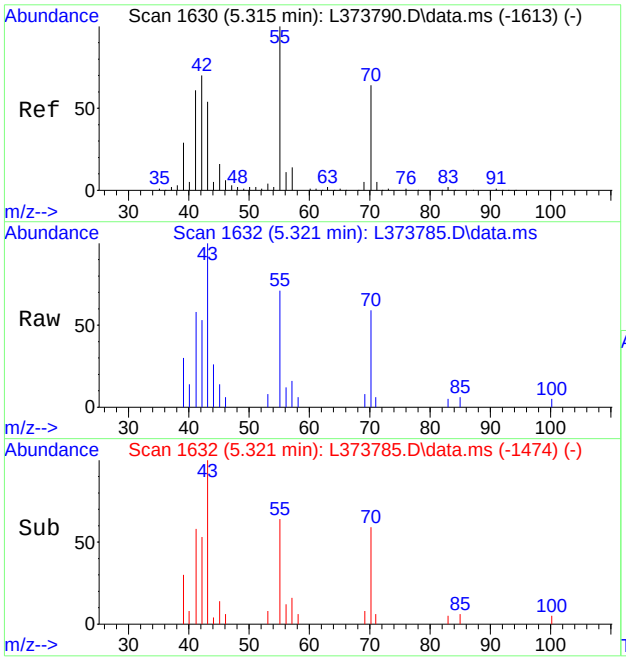


#70
4-methyl-2-pentanone
Concen: 3.75 ug/L
RT: 5.280 min Scan# 1619
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 58 Resp: 5862

Ion	Ratio	Lower	Upper
58	100		
43	217.3	233.3	273.3#
100	24.9	15.2	55.2

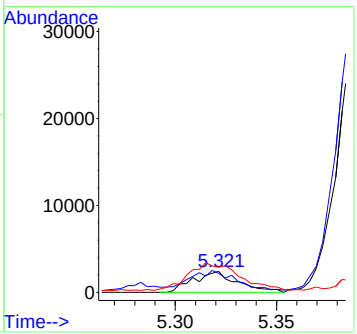


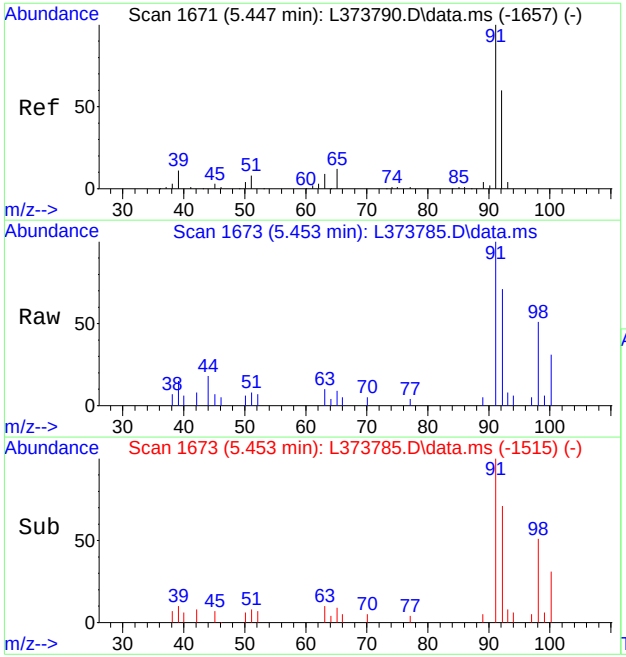


#71
3-methyl-1-butanol
Concen: 19.58 ug/L
RT: 5.321 min Scan# 1632
Delta R.T. 0.006 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 70 Resp: 3649

Ion	Ratio	Lower	Upper
70	100		
42	79.7	94.2	134.2#
55	105.5	137.5	177.5#

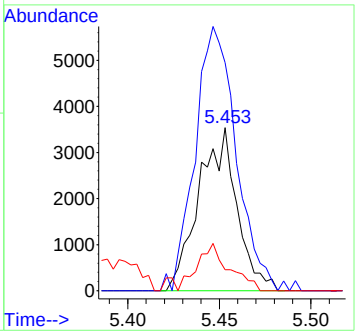


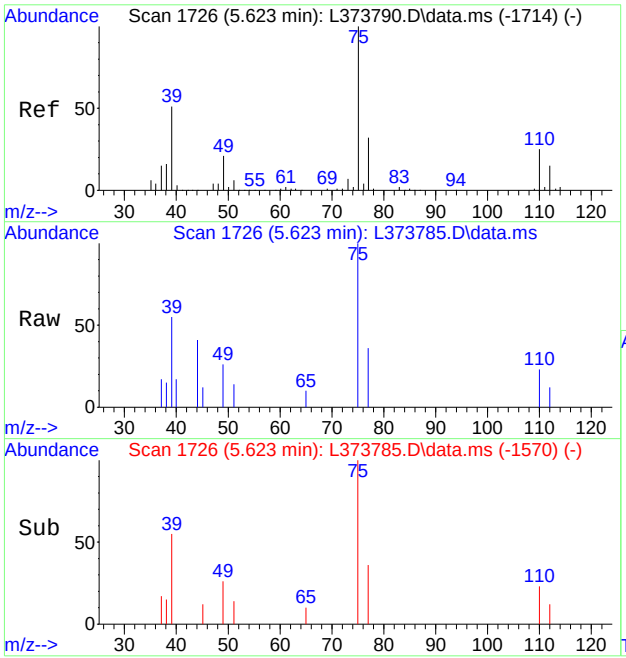


#74
toluene
Concen: 0.77 ug/L
RT: 5.453 min Scan# 1673
Delta R.T. 0.006 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 92 Resp: 5150

Ion	Ratio	Lower	Upper
92	100		
91	139.9	136.7	196.7
65	12.9	0.0	50.8

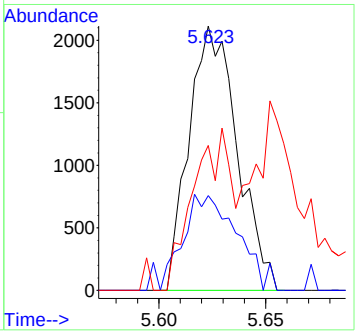


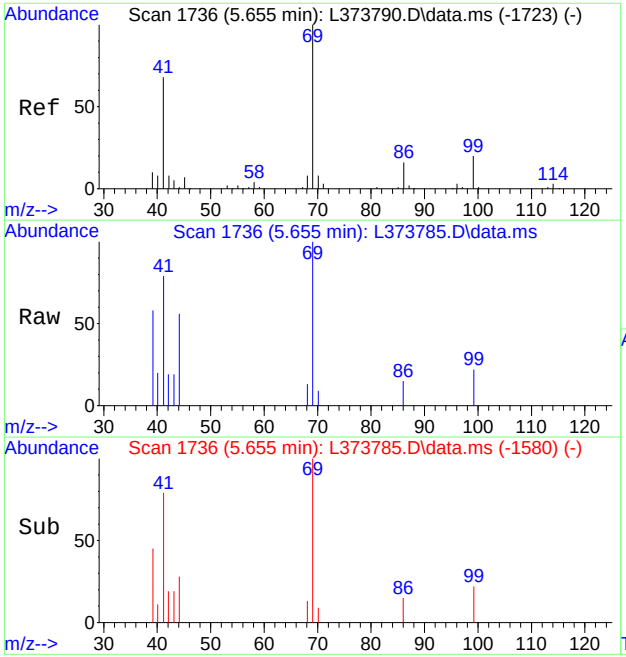


#75
trans-1,3-dichloropropene
Concen: 0.87 ug/L
RT: 5.623 min Scan# 1726
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 75 Resp: 3331

Ion	Ratio	Lower	Upper
75	100		
77	35.9	1.7	61.7
39	54.8	20.7	80.7

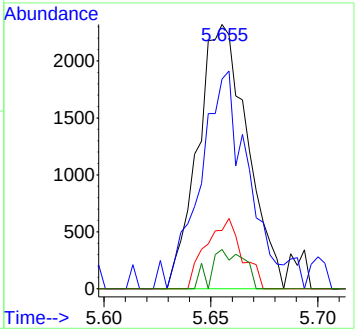


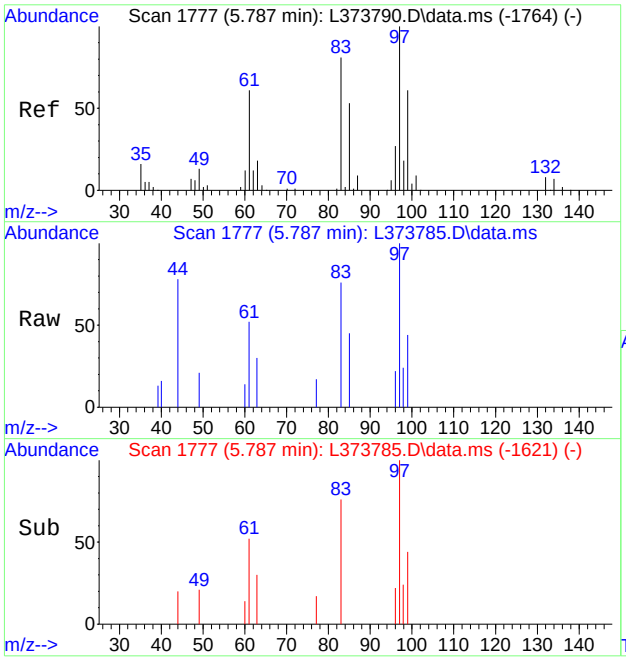


#76
ethyl methacrylate
Concen: 0.92 ug/L
RT: 5.655 min Scan# 1736
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 69 Resp: 3741

Ion	Ratio	Lower	Upper
69	100		
41	70.2	38.9	98.9
99	22.0	0.0	50.4
86	14.9	0.0	45.9

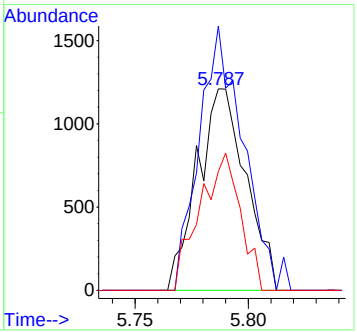


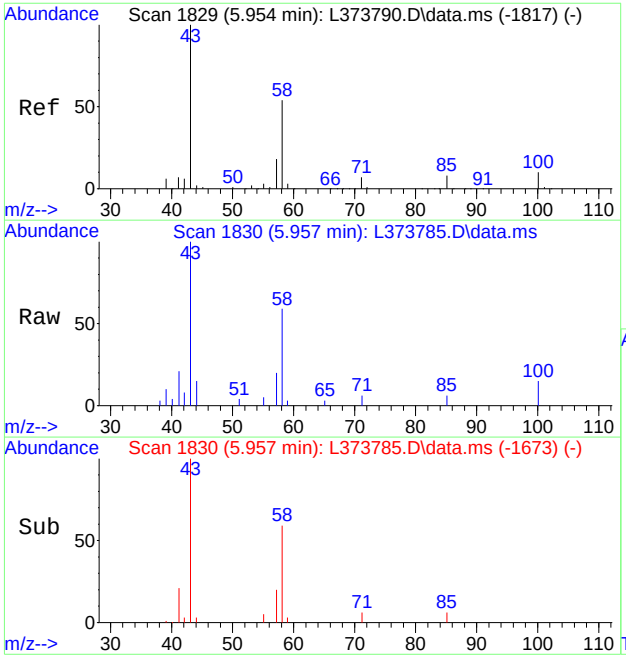


#77
1,1,2-trichloroethane
Concen: 0.90 ug/L
RT: 5.787 min Scan# 1777
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 83 Resp: 1808

Ion	Ratio	Lower	Upper
83	100		
97	131.2	93.6	153.6
85	58.9	35.4	95.4

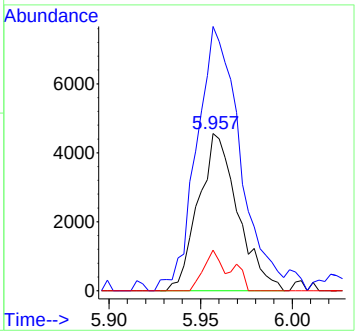


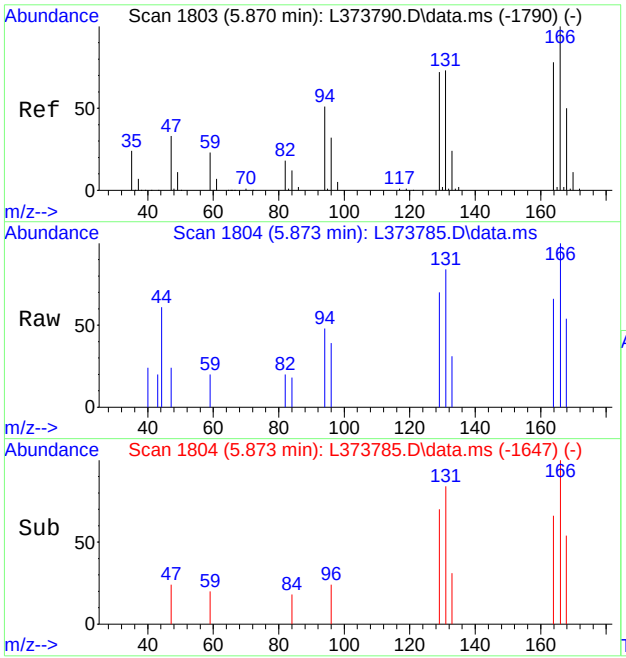


#78
2-hexanone
Concen: 3.98 ug/L
RT: 5.957 min Scan# 1830
Delta R.T. 0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 58 Resp: 6836

Ion	Ratio	Lower	Upper
58	100		
43	161.3	154.6	214.6
100	26.0	0.0	49.0

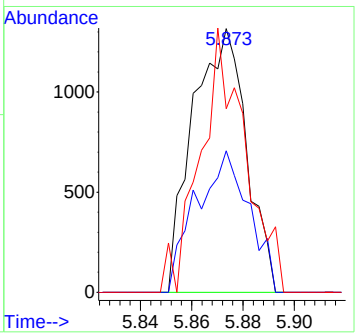


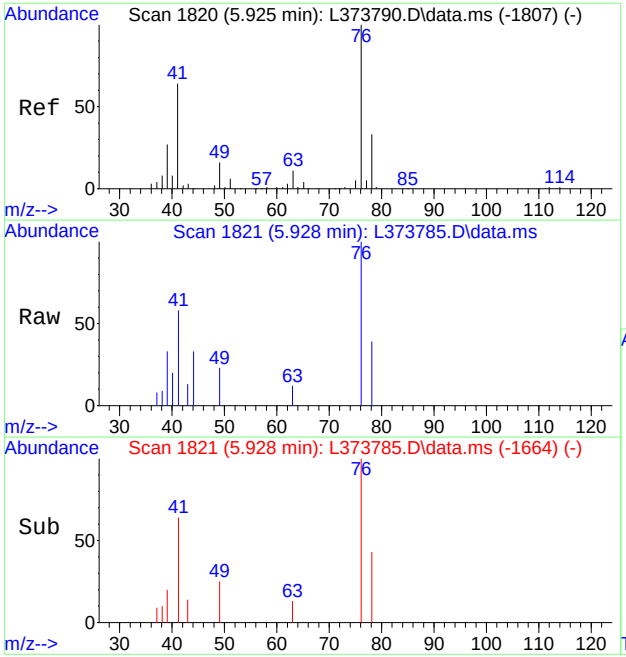


#79
tetrachloroethene
Concen: 0.74 ug/L
RT: 5.873 min Scan# 1804
Delta R.T. 0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion:166 Resp: 1904

Ion	Ratio	Lower	Upper
166	100		
168	53.7	19.7	79.7
129	69.6	42.4	102.4

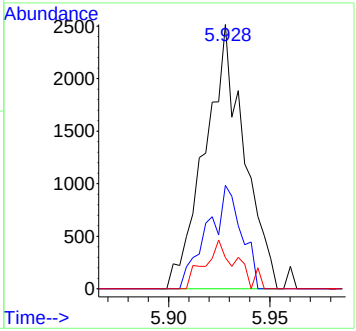


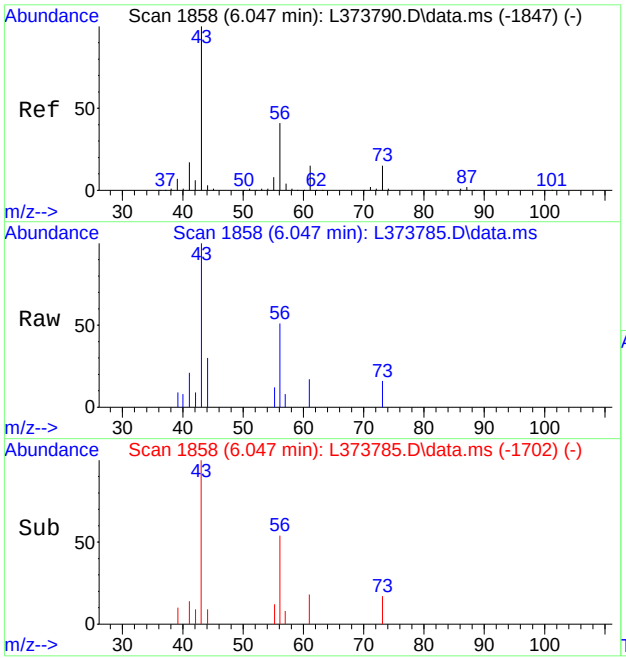


#80
1,3-dichloropropane
Concen: 0.86 ug/L
RT: 5.928 min Scan# 1821
Delta R.T. 0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 76 Resp: 3373

Ion	Ratio	Lower	Upper
76	100		
78	39.1	2.7	62.7
63	11.8	0.0	41.2

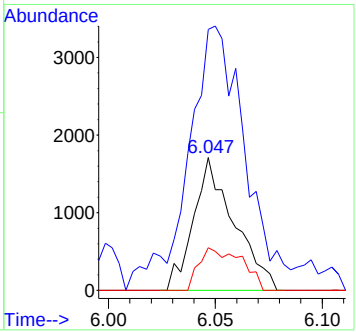


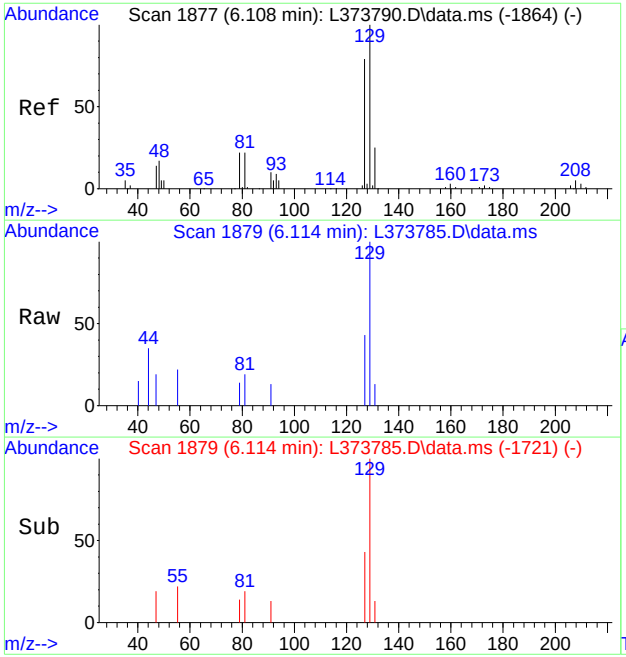


#81
butyl acetate
Concen: 0.96 ug/L
RT: 6.047 min Scan# 1858
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 56 Resp: 2262

Ion	Ratio	Lower	Upper
56	100		
43	176.5	218.3	278.3#
73	32.2	7.2	67.2

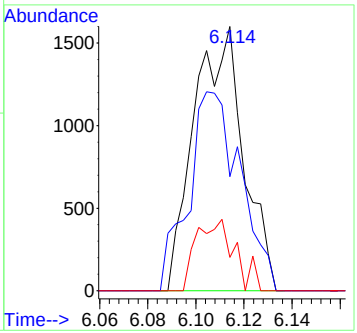


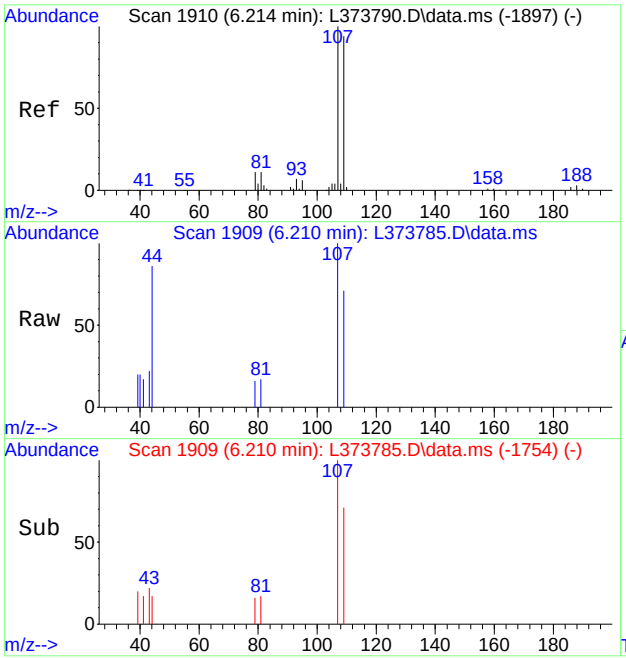


#82
dibromochloromethane
Concen: 0.83 ug/L
RT: 6.114 min Scan# 1879
Delta R.T. 0.006 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion:129 Resp: 2283

Ion	Ratio	Lower	Upper
129	100		
127	43.2	49.0	109.0#
131	12.7	0.0	54.6

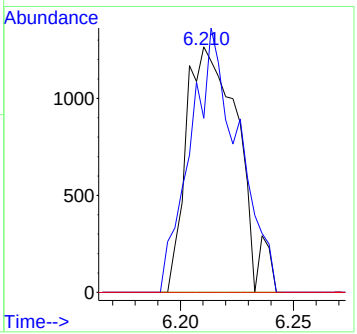


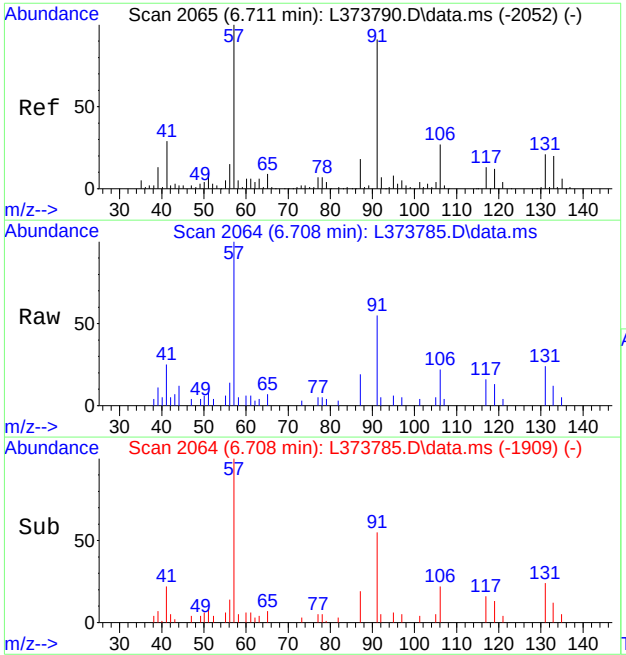


#83
1,2-dibromoethane
Concen: 0.80 ug/L
RT: 6.210 min Scan# 1909
Delta R.T. -0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion:107 Resp: 2022

Ion	Ratio	Lower	Upper
107	100		
109	70.9	63.9	123.9
188	0.0	0.0	33.4

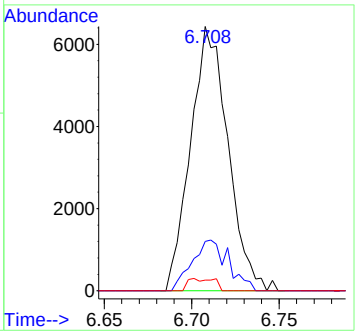


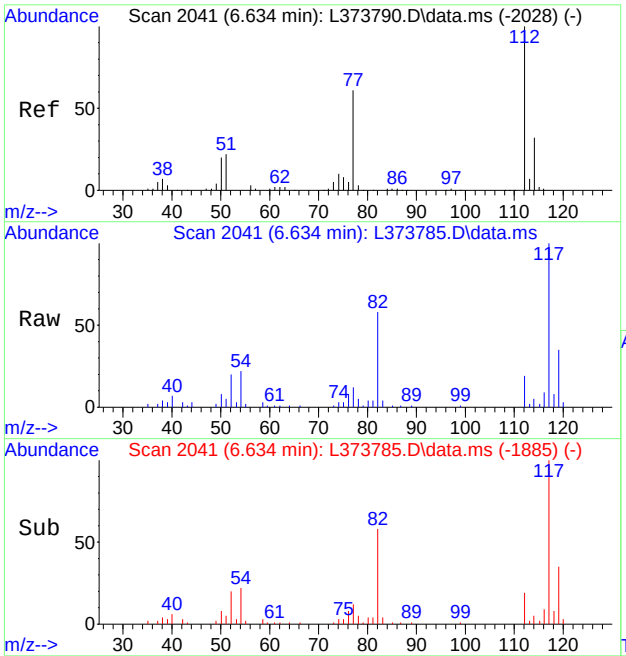


#84
n-butyl ether
Concen: 0.91 ug/L
RT: 6.708 min Scan# 2064
Delta R.T. -0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 57 Resp: 9590

Ion	Ratio	Lower	Upper
57	100		
87	18.6	0.0	47.8
101	4.1	0.0	34.2

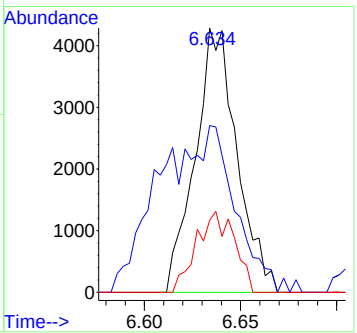


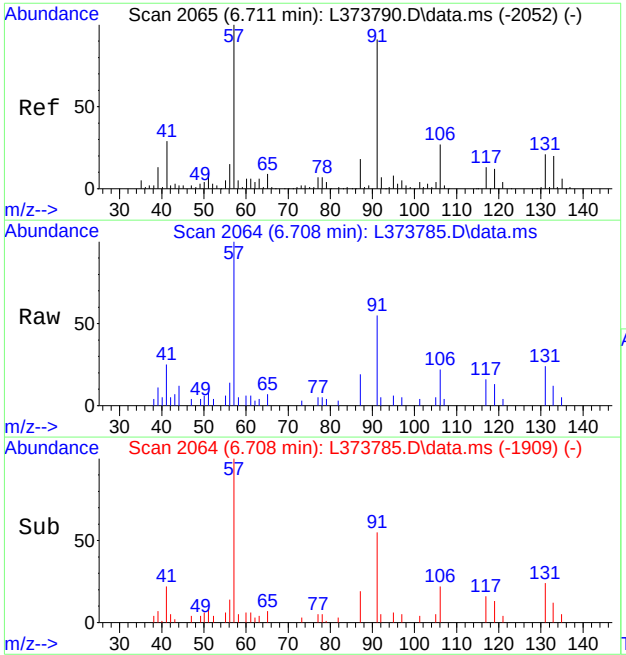


#85
chlorobenzene
Concen: 1.00 ug/L
RT: 6.634 min Scan# 2041
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion:112 Resp: 6497

Ion	Ratio	Lower	Upper
112	100		
77	57.6	30.8	90.8
114	27.3	2.4	62.4

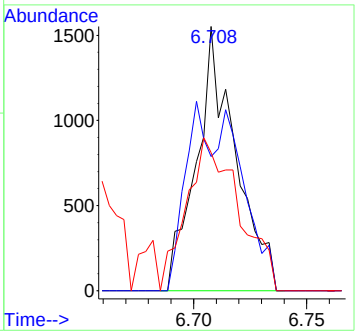


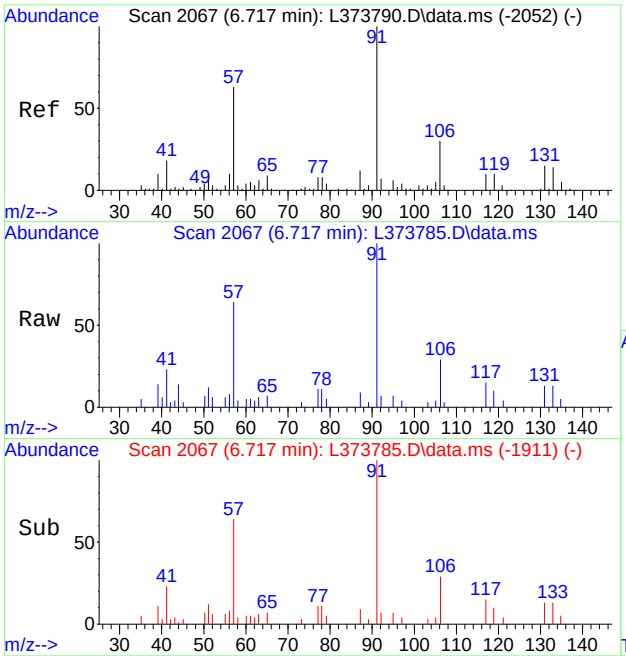


#86
1,1,1,2-tetrachloroethane
Concen: 0.86 ug/L
RT: 6.708 min Scan# 2064
Delta R.T. -0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion:131 Resp: 1860

Ion	Ratio	Lower	Upper
131	100		
133	50.7	65.1	125.1#
119	52.3	30.8	90.8

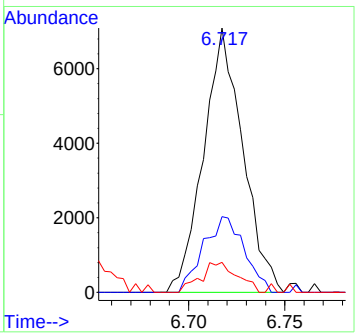


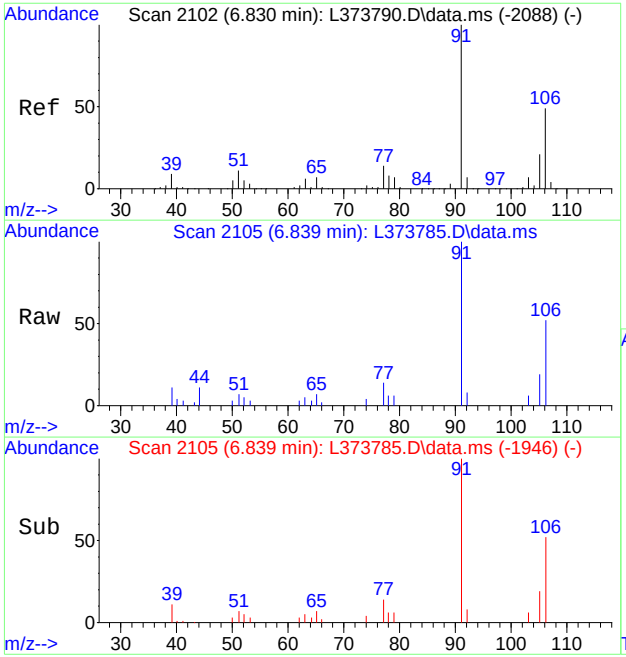


#87
ethylbenzene
Concen: 0.88 ug/L
RT: 6.717 min Scan# 2067
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 91 Resp: 10081

Ion	Ratio	Lower	Upper
91	100		
106	28.6	0.1	60.1
77	11.3	0.0	38.6

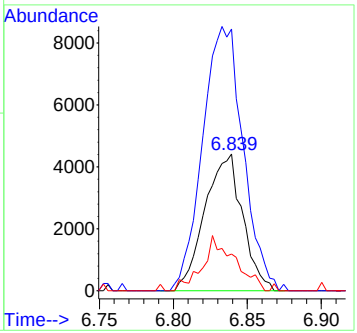


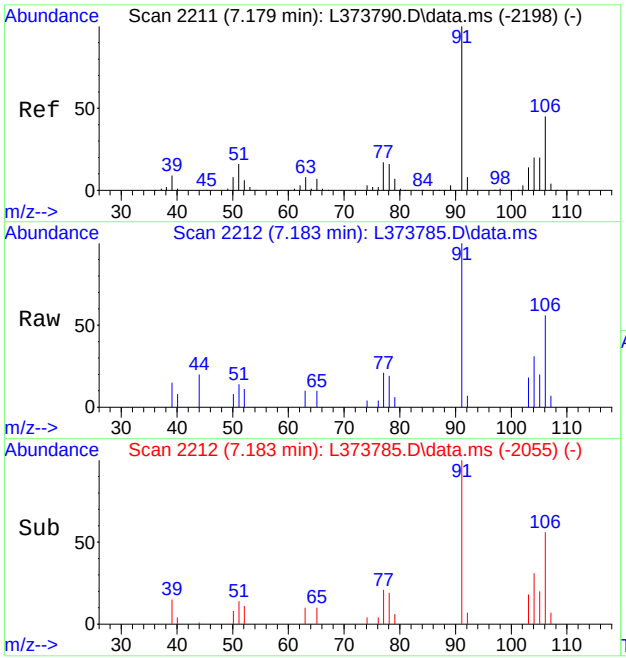


#88
m,p-xylene
Concen: 1.76 ug/L
RT: 6.839 min Scan# 2105
Delta R.T. 0.010 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion:106 Resp: 7802

Ion	Ratio	Lower	Upper
106	100		
91	191.4	175.7	235.7
77	26.9	8.1	48.1

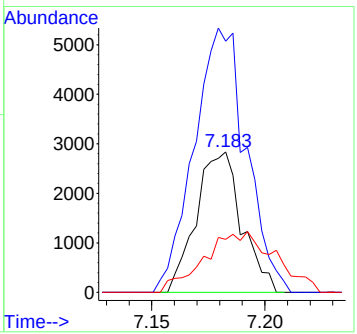


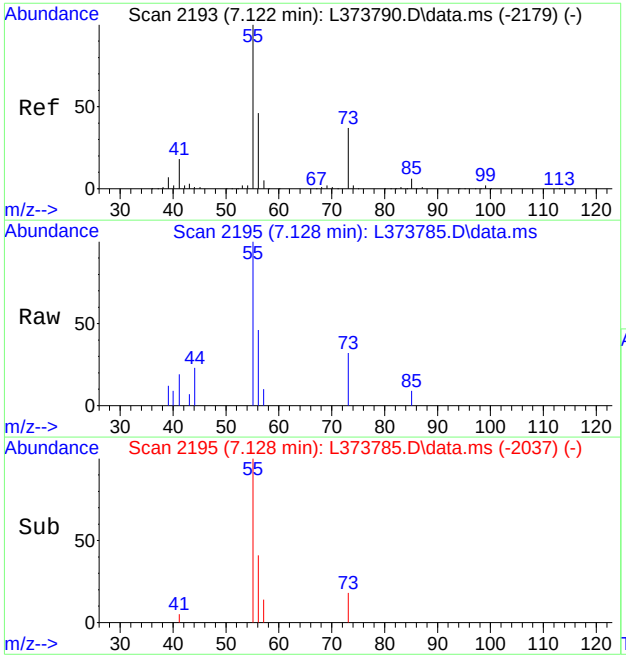


#89
o-xylene
Concen: 0.93 ug/L
RT: 7.183 min Scan# 2212
Delta R.T. 0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion:106 Resp: 3965

Ion	Ratio	Lower	Upper
106	100		
91	170.4	194.5	254.5#
77	37.8	18.1	58.1

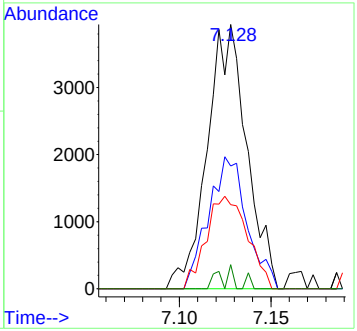


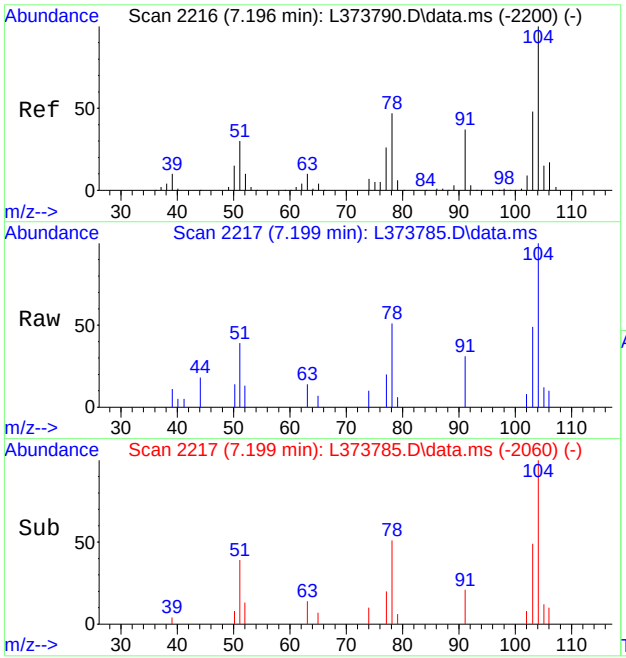


#90
butyl acrylate
Concen: 0.91 ug/L
RT: 7.128 min Scan# 2195
Delta R.T. 0.006 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 55 Resp: 5935

Ion	Ratio	Lower	Upper
55	100		
56	46.4	26.3	66.3
73	31.8	17.5	57.5
85	9.1	0.0	25.6

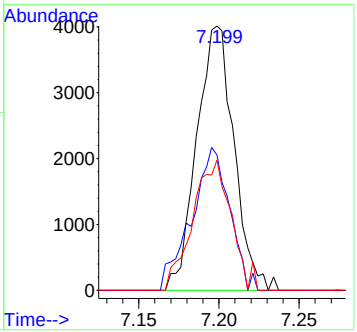


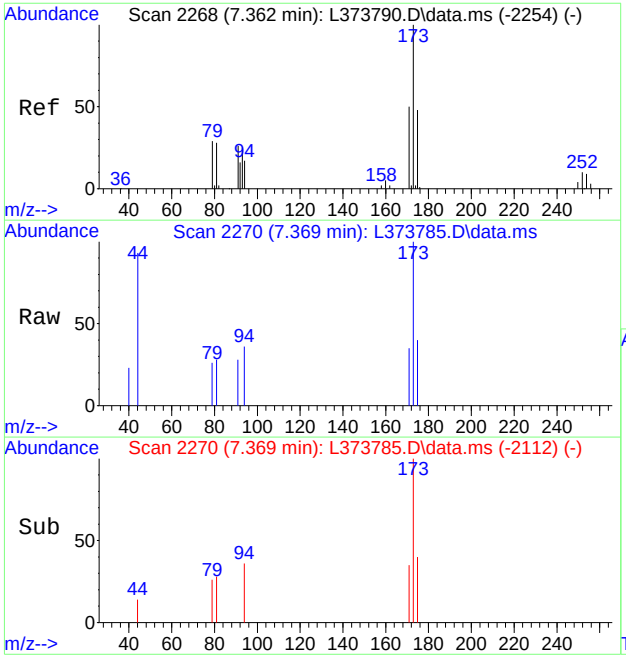


#91
styrene
Concen: 0.92 ug/L
RT: 7.199 min Scan# 2217
Delta R.T. 0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion:104 Resp: 6511

Ion	Ratio	Lower	Upper
104	100		
78	51.2	16.8	76.8
103	49.3	17.7	77.7

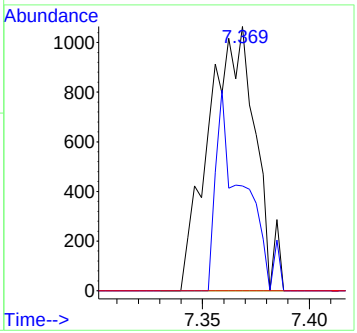


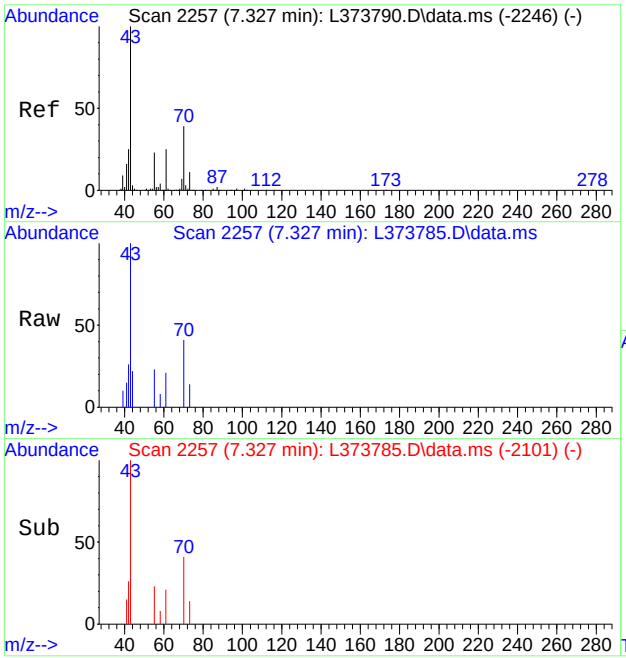


#92
bromoform
Concen: 0.83 ug/L
RT: 7.369 min Scan# 2270
Delta R.T. 0.006 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion:173 Resp: 1624

Ion	Ratio	Lower	Upper
173	100		
175	39.6	17.8	77.8
254	0.0	0.0	39.4

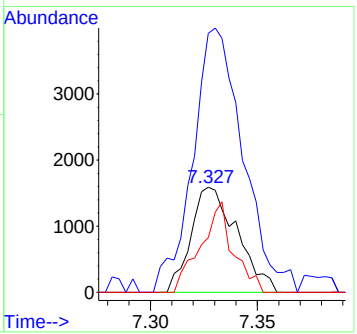


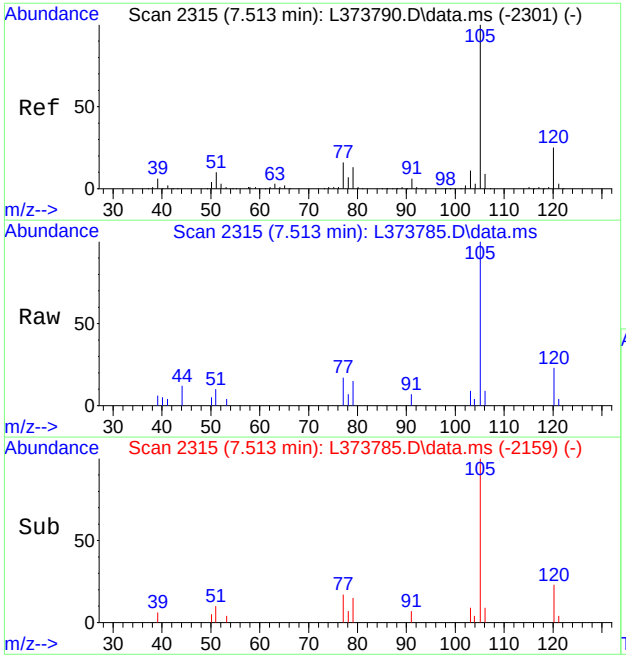


#93
n-amyl acetate
Concen: 1.02 ug/L
RT: 7.327 min Scan# 2257
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 70 Resp: 2385

Ion	Ratio	Lower	Upper
70	100		
43	227.4	233.4	273.4#
61	52.1	42.6	82.6

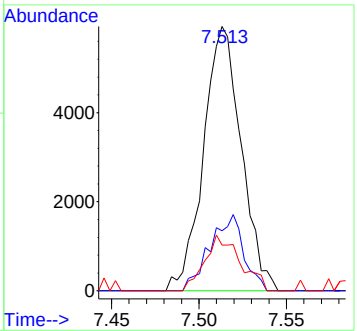


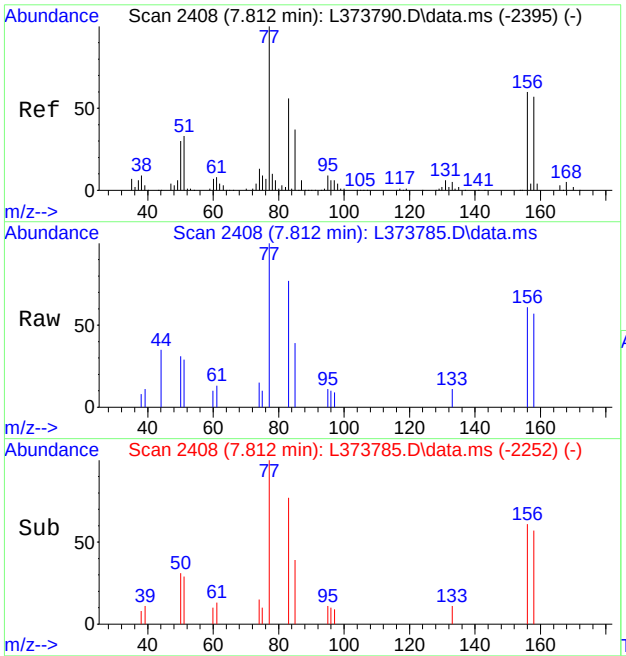


#94
isopropylbenzene
Concen: 0.85 ug/L
RT: 7.513 min Scan# 2315
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion:105 Resp: 8931

Ion	Ratio	Lower	Upper
105	100		
120	22.7	5.2	45.2
77	17.3	0.0	36.2

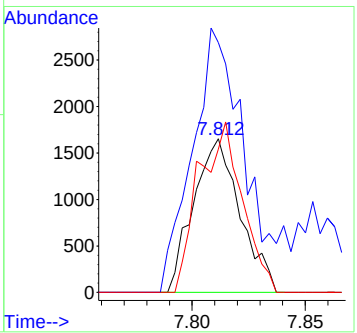


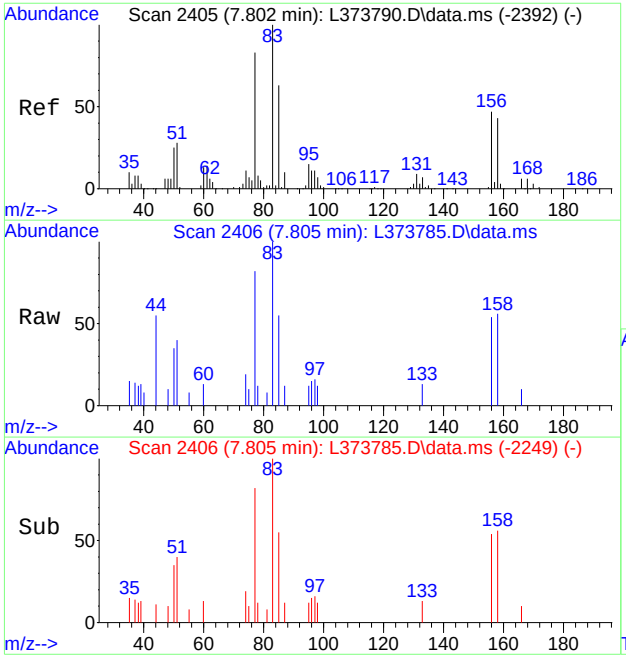


#98
bromobenzene
Concen: 0.91 ug/L
RT: 7.812 min Scan# 2408
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion:156 Resp: 2366

Ion	Ratio	Lower	Upper
156	100		
77	162.6	137.0	197.0
158	93.2	65.5	125.5

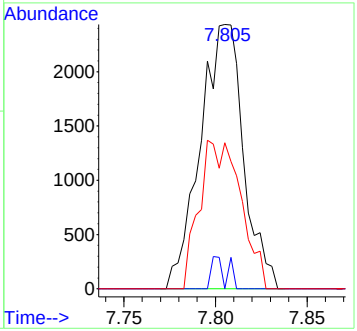


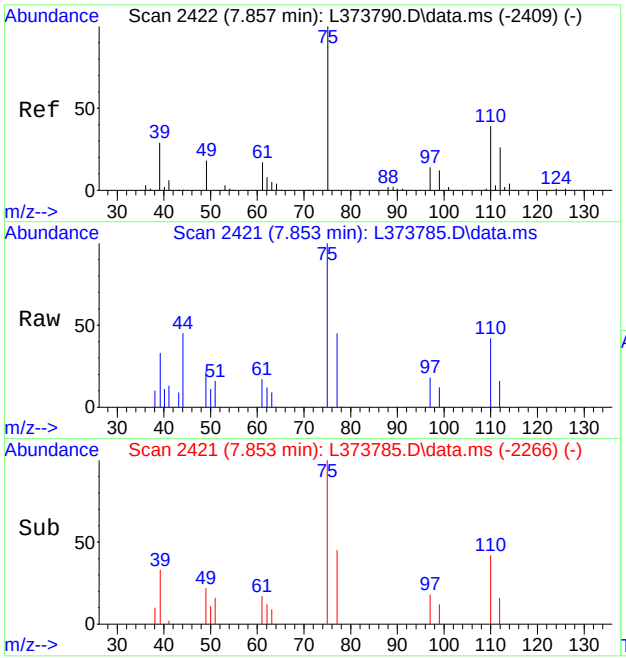


#99
1,1,2,2-tetrachloroethane
Concen: 1.04 ug/L
RT: 7.805 min Scan# 2406
Delta R.T. 0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 83 Resp: 4023

Ion	Ratio	Lower	Upper
83	100		
131	0.0	0.0	38.9
85	55.3	33.3	93.3

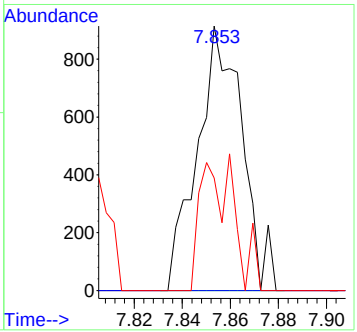


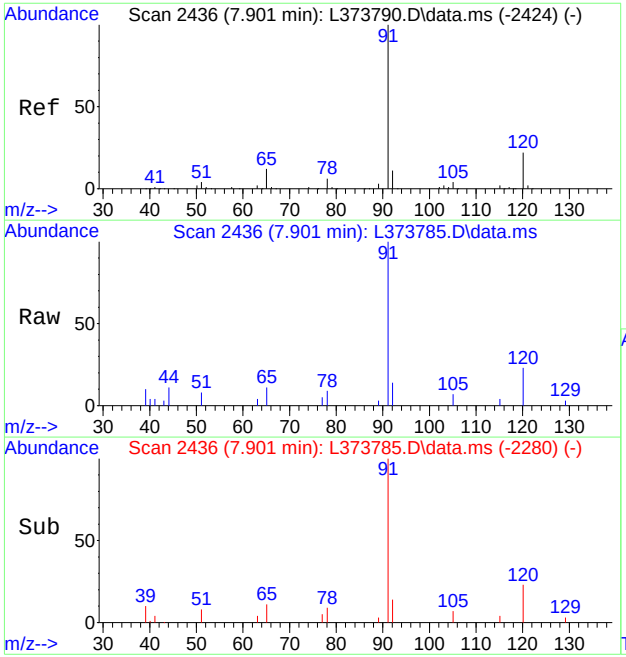


#101
1,2,3-trichloropropane
Concen: 1.03 ug/L
RT: 7.853 min Scan# 2421
Delta R.T. -0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion:110 Resp: 1184

Ion	Ratio	Lower	Upper
110	100		
111	0.0	0.0	38.4
97	42.5	22.5	82.5

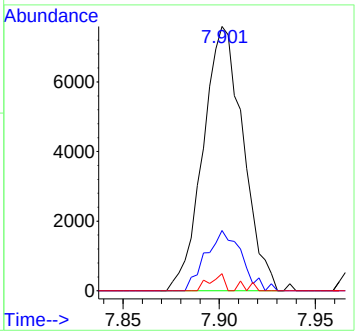


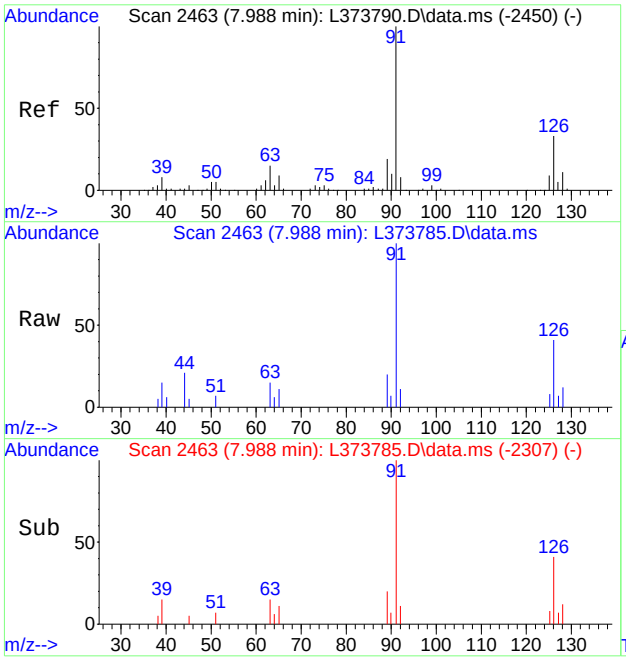


#102
n-propylbenzene
Concen: 0.86 ug/L
RT: 7.901 min Scan# 2436
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 91 Resp: 11004

Ion	Ratio	Lower	Upper
91	100		
120	22.8	0.0	51.5
105	6.5	0.0	33.7

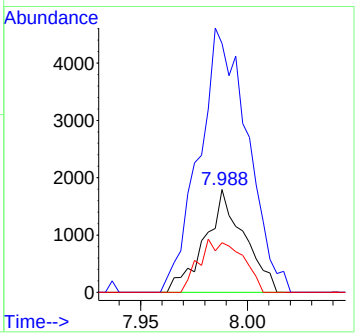


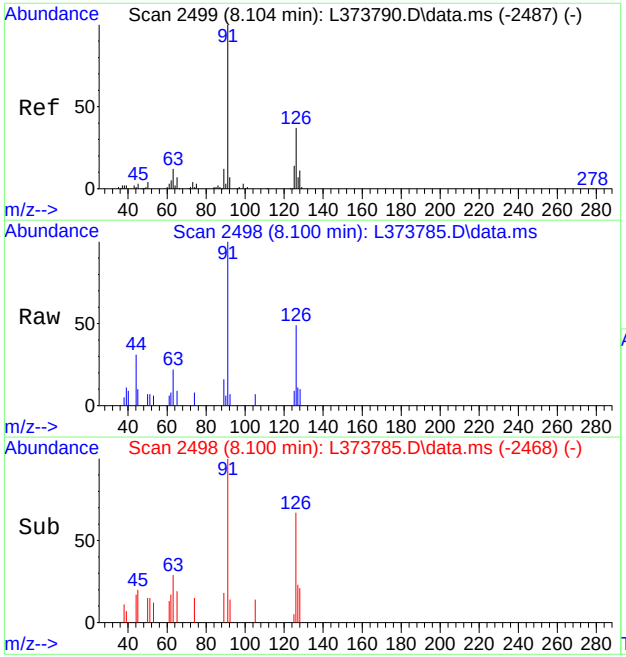


#103
2-chlorotoluene
Concen: 0.95 ug/L
RT: 7.988 min Scan# 2463
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion:126 Resp: 2291

Ion	Ratio	Lower	Upper
126	100		
91	241.5	276.4	336.4#
89	48.2	28.8	88.8

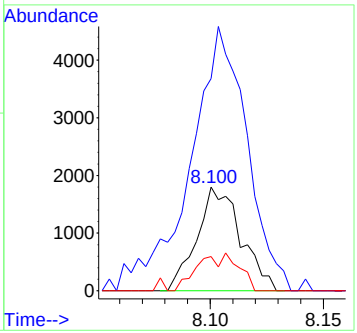


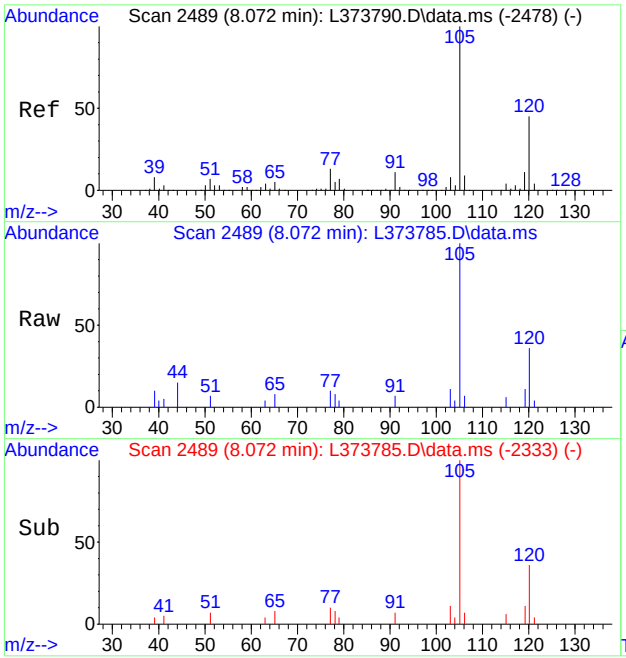


#104
4-chlorotoluene
Concen: 0.92 ug/L
RT: 8.100 min Scan# 2498
Delta R.T. -0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion:126 Resp: 2425

Ion	Ratio	Lower	Upper
126	100		
91	185.2	265.5	325.5#
89	33.0	5.5	65.5

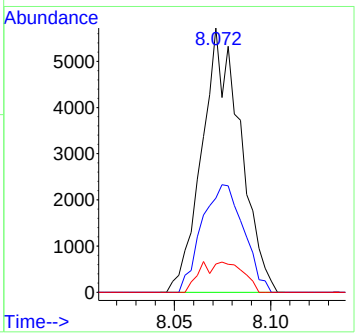


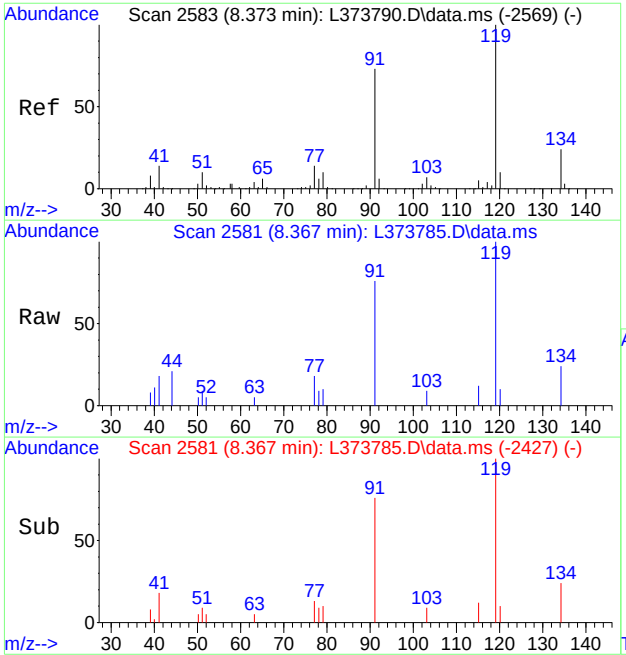


#105
1,3,5-trimethylbenzene
Concen: 0.90 ug/L
RT: 8.072 min Scan# 2489
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion:105 Resp: 7962

Ion	Ratio	Lower	Upper
105	100		
120	35.7	14.9	74.9
119	10.7	0.0	40.8

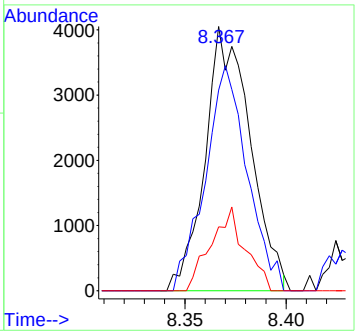


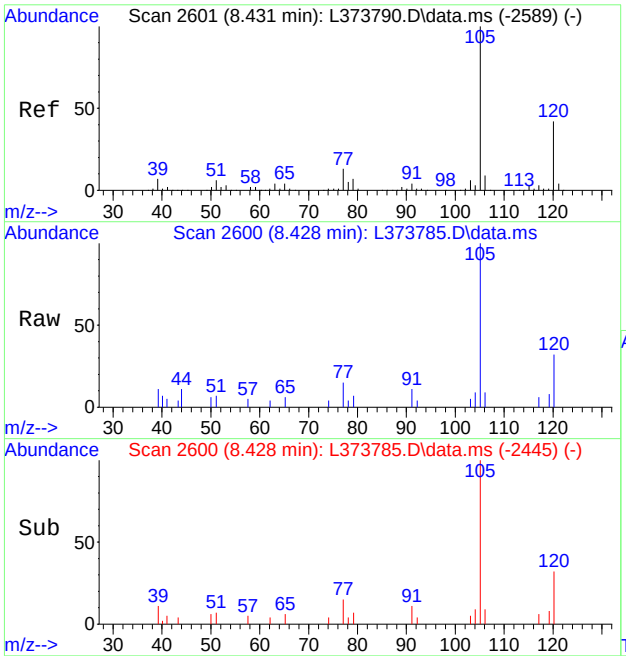


#106
tert-butylbenzene
Concen: 0.88 ug/L
RT: 8.367 min Scan# 2581
Delta R.T. -0.006 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion:119 Resp: 6270

Ion	Ratio	Lower	Upper
119	100		
91	75.9	42.9	102.9
134	24.1	0.0	54.4

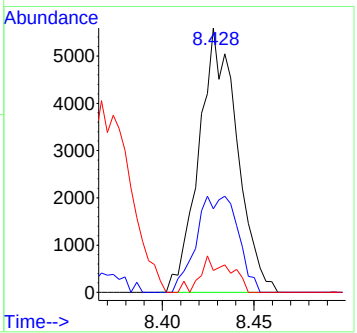


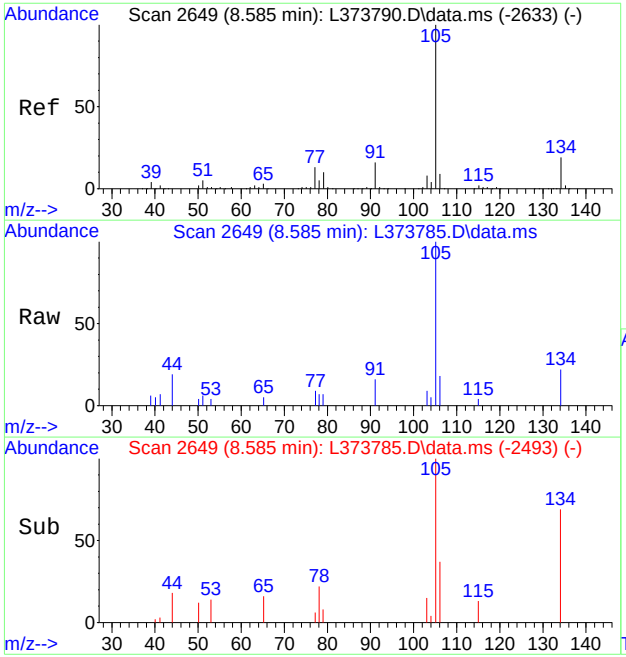


#107
1,2,4-trimethylbenzene
Concen: 0.93 ug/L
RT: 8.428 min Scan# 2600
Delta R.T. -0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion:105 Resp: 8138

Ion	Ratio	Lower	Upper
105	100		
120	31.6	13.1	73.1
119	8.3	0.0	41.9

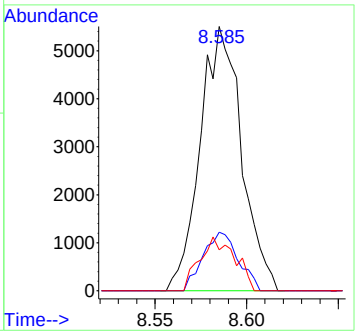


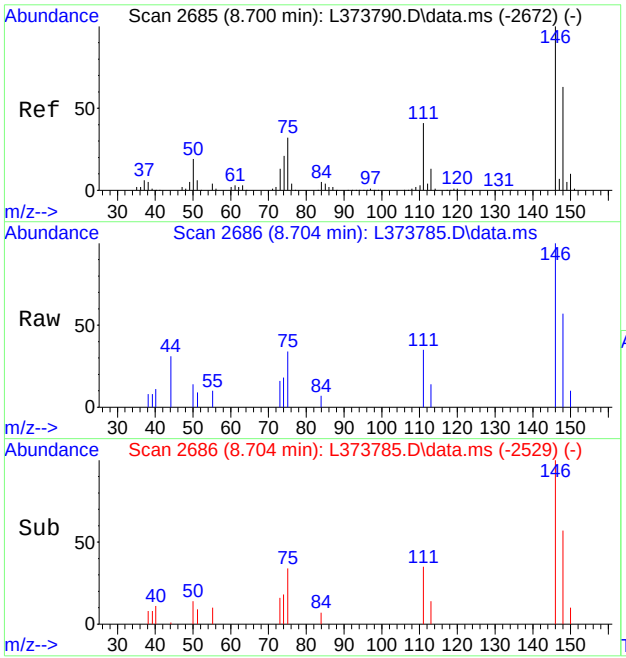


#108
sec-butylbenzene
Concen: 0.84 ug/L
RT: 8.585 min Scan# 2649
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion:105 Resp: 8656

Ion	Ratio	Lower	Upper
105	100		
134	22.2	0.0	48.8
91	15.5	0.0	45.9

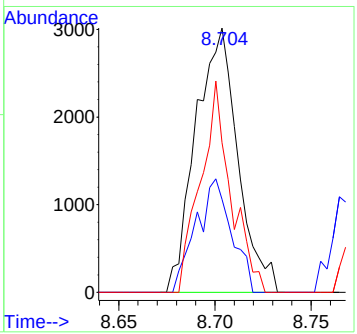


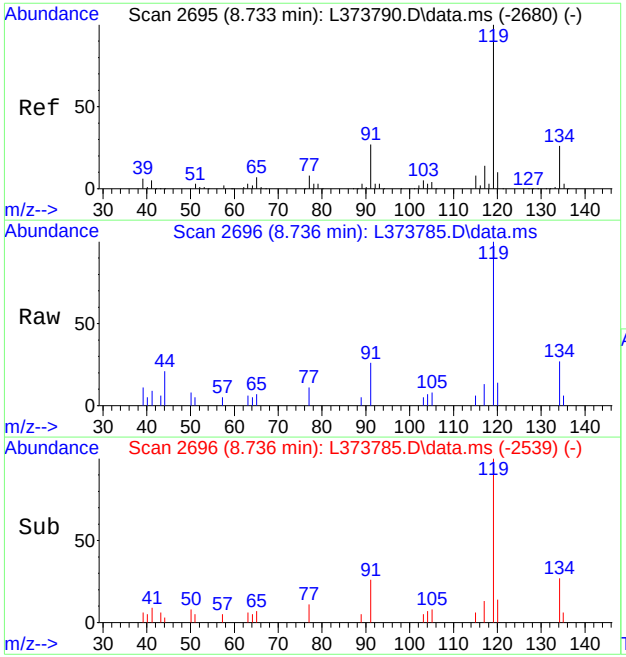


#109
1,3-dichlorobenzene
Concen: 0.93 ug/L
RT: 8.704 min Scan# 2686
Delta R.T. 0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion:146 Resp: 4601

Ion	Ratio	Lower	Upper
146	100		
111	35.2	11.0	71.0
148	56.6	33.0	93.0

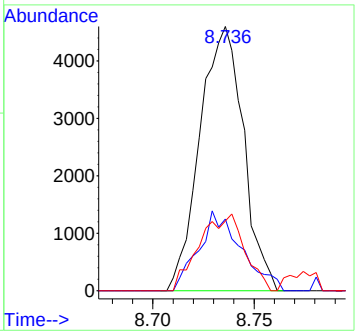


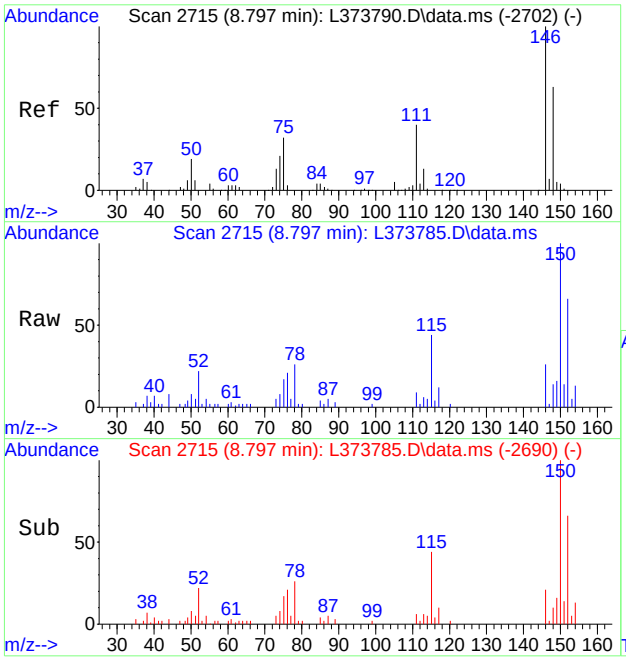


#110
p-isopropyltoluene
Concen: 0.80 ug/L
RT: 8.736 min Scan# 2696
Delta R.T. 0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion:119 Resp: 6872

Ion	Ratio	Lower	Upper
119	100		
134	27.1	0.0	56.5
91	26.4	0.0	56.9

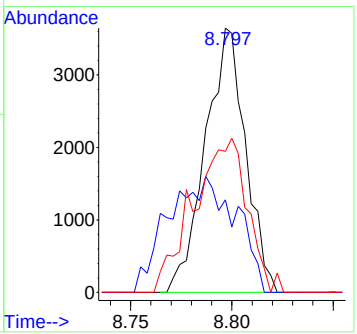


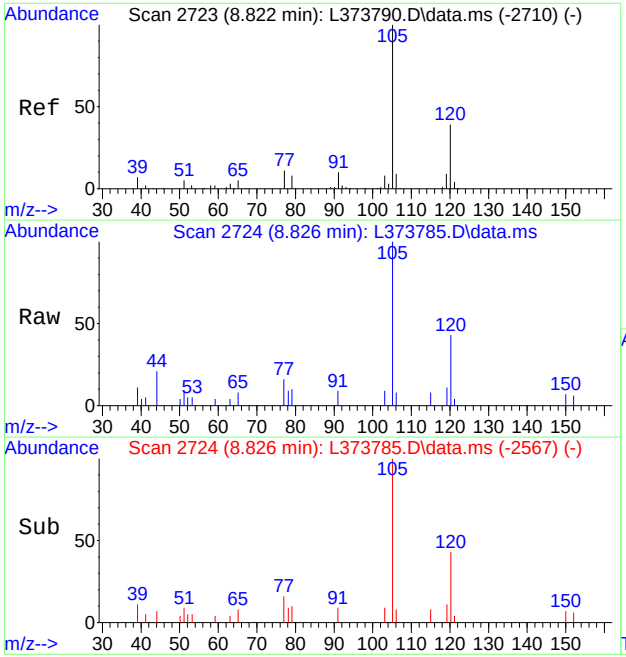


#111
1,4-dichlorobenzene
Concen: 0.98 ug/L
RT: 8.797 min Scan# 2715
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion:146 Resp: 5033

Ion	Ratio	Lower	Upper
146	100		
111	35.0	9.7	69.7
148	53.4	33.0	93.0

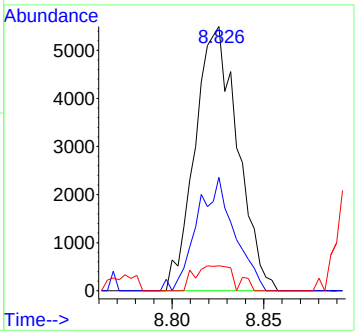


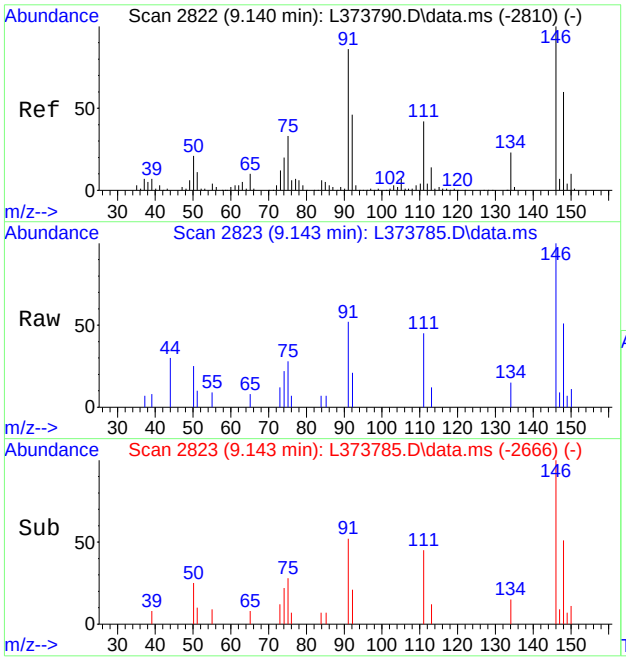


#112
1,2,3-trimethylbenzene
Concen: 0.92 ug/L
RT: 8.826 min Scan# 2724
Delta R.T. 0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion:105 Resp: 8910

Ion	Ratio	Lower	Upper
105	100		
120	42.9	8.8	68.8
91	9.4	0.0	40.2

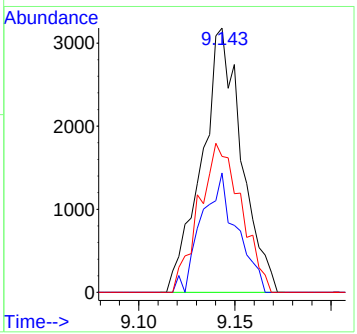


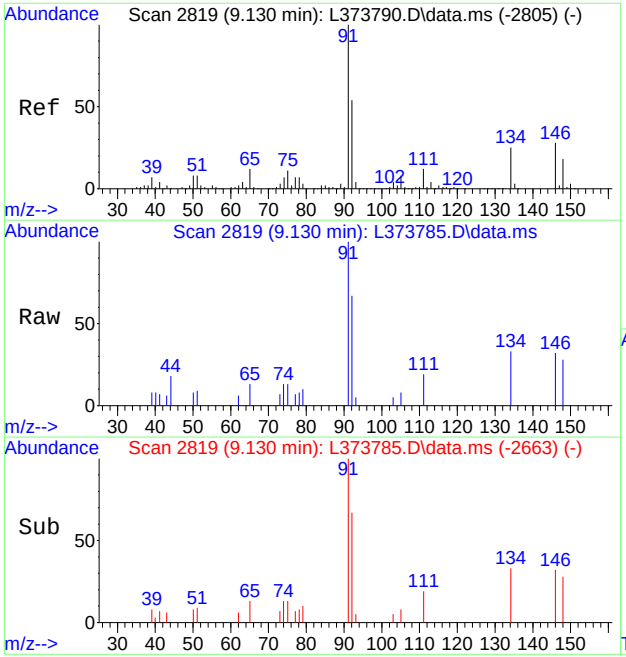


#113
1,2-dichlorobenzene
Concen: 1.02 ug/L
RT: 9.143 min Scan# 2823
Delta R.T. 0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion:146 Resp: 4588

Ion	Ratio	Lower	Upper
146	100		
111	45.2	12.1	72.1
148	51.4	30.4	90.4

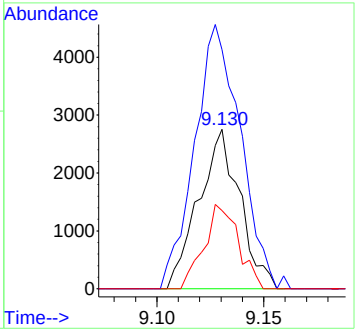


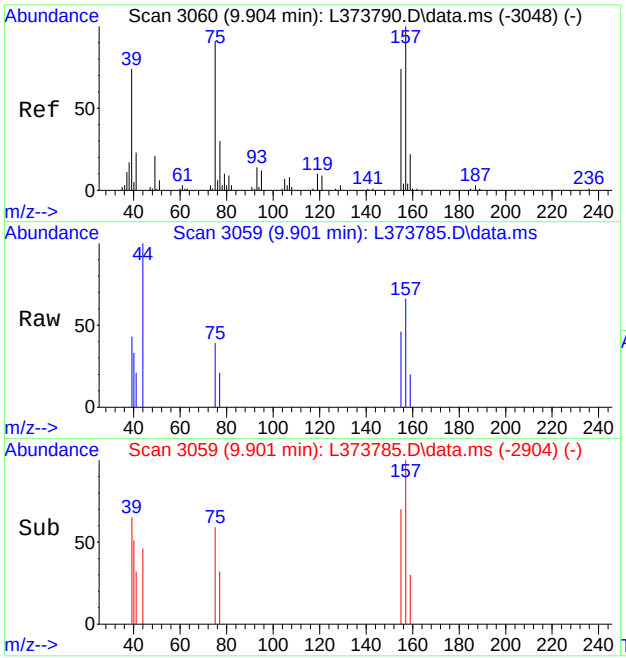


#114
n-butylbenzene
Concen: 0.91 ug/L
RT: 9.130 min Scan# 2819
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 92 Resp: 3685

Ion	Ratio	Lower	Upper
92	100		
91	149.9	155.4	215.4#
134	49.0	15.6	75.6

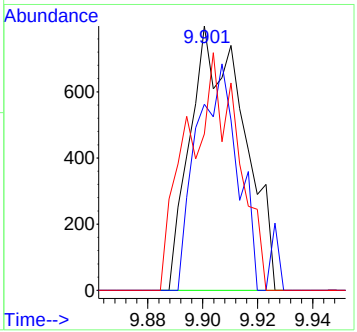


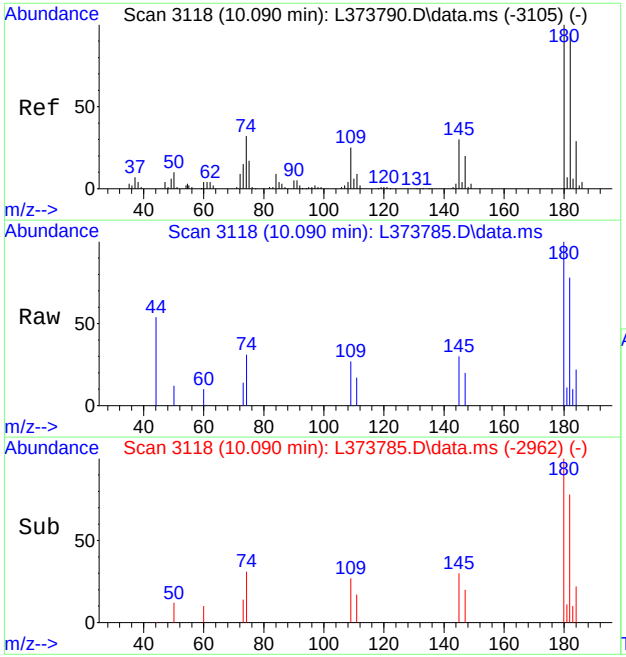


#115
1,2-dibromo-3-chloropropane
Concen: 1.09 ug/L
RT: 9.901 min Scan# 3059
Delta R.T. -0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion:157 Resp: 1078

Ion	Ratio	Lower	Upper
157	100		
155	70.3	44.1	104.1
75	59.2	60.9	120.9#

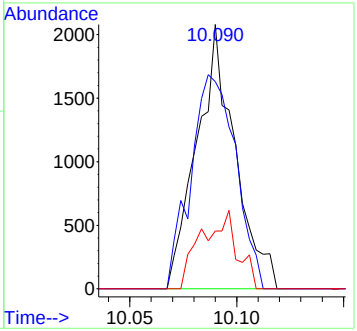


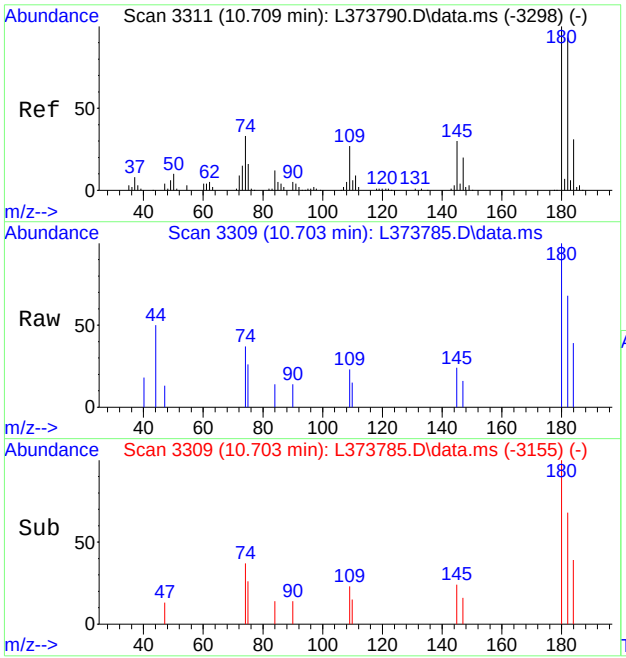


#116
1,3,5-trichlorobenzene
Concen: 0.86 ug/L
RT: 10.090 min Scan# 3118
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion:180 Resp: 2595

Ion	Ratio	Lower	Upper
180	100		
182	78.4	65.0	125.0
184	21.9	0.0	59.4

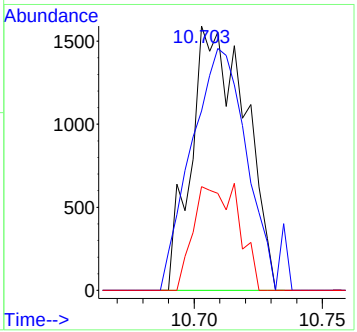


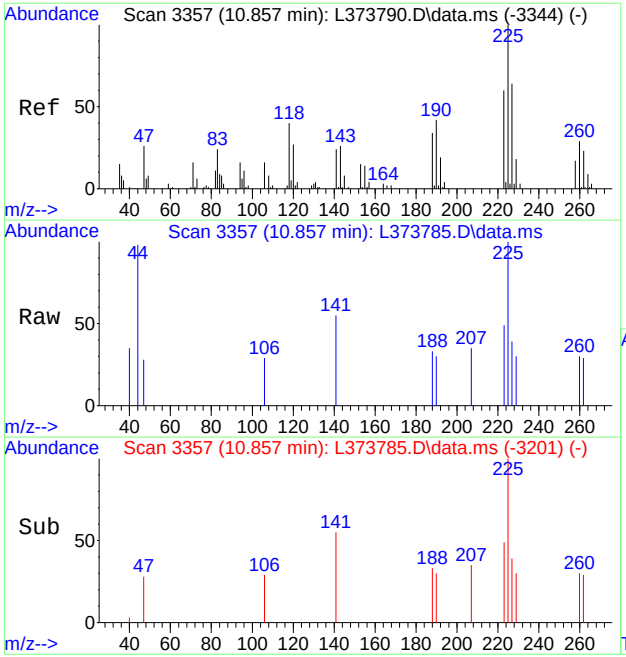


#117
1,2,4-trichlorobenzene
Concen: 0.91 ug/L
RT: 10.703 min Scan# 3309
Delta R.T. -0.006 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion:180 Resp: 2342

Ion	Ratio	Lower	Upper
180	100		
182	67.8	63.1	123.1
184	39.3	0.8	60.8

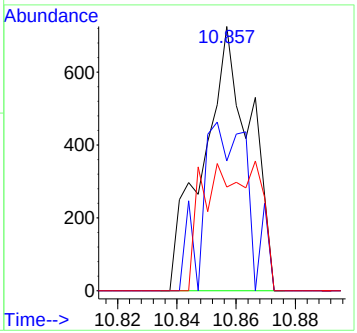


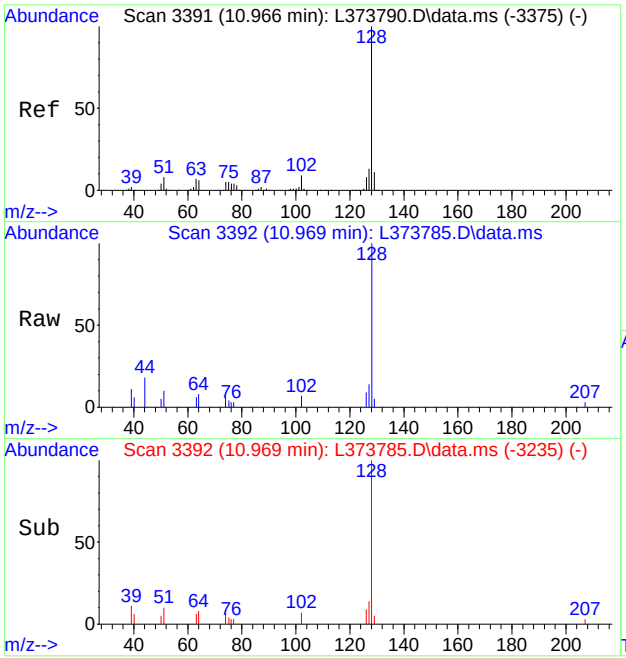


#118
hexachlorobutadiene
Concen: 0.85 ug/L
RT: 10.857 min Scan# 3357
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion:225 Resp: 804

Ion	Ratio	Lower	Upper
225	100		
223	49.0	30.0	90.0
227	39.3	33.8	93.8

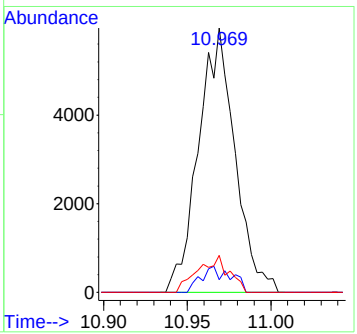


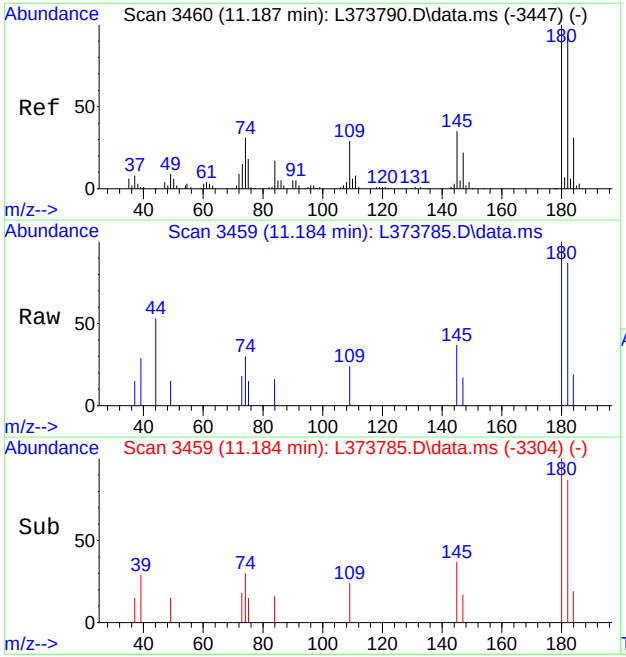


#119
naphthalene
Concen: 0.92 ug/L
RT: 10.969 min Scan# 3392
Delta R.T. 0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion:128 Resp: 9053

Ion	Ratio	Lower	Upper
128	100		
129	4.8	0.0	41.1
127	14.0	0.0	42.9

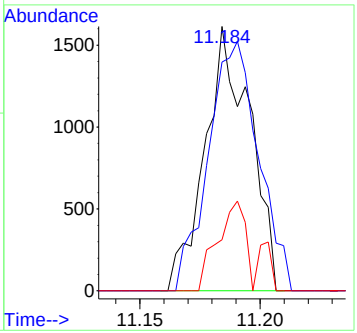


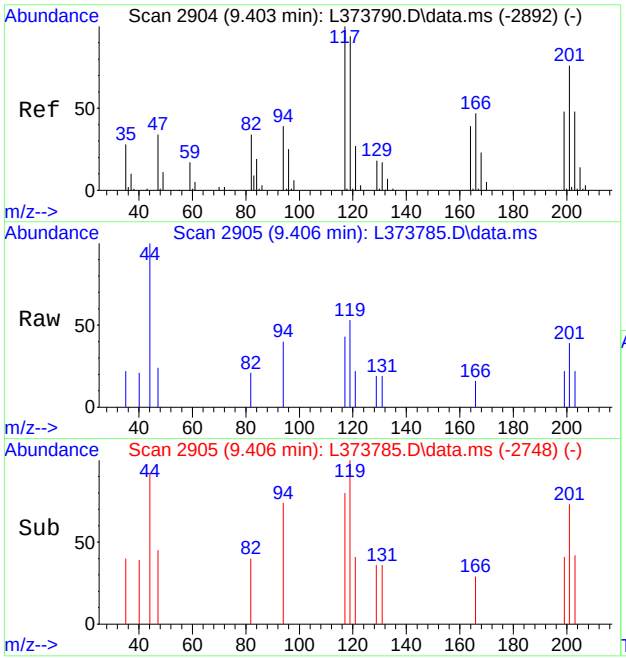


#120
1,2,3-trichlorobenzene
Concen: 0.81 ug/L
RT: 11.184 min Scan# 3459
Delta R.T. -0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion:180 Resp: 2101

Ion	Ratio	Lower	Upper
180	100		
182	86.5	63.9	123.9
184	19.3	1.2	61.2

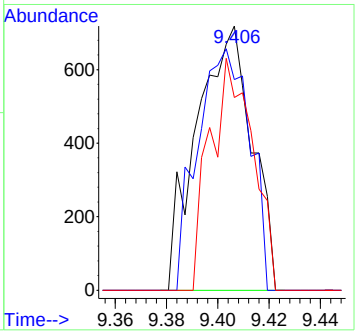


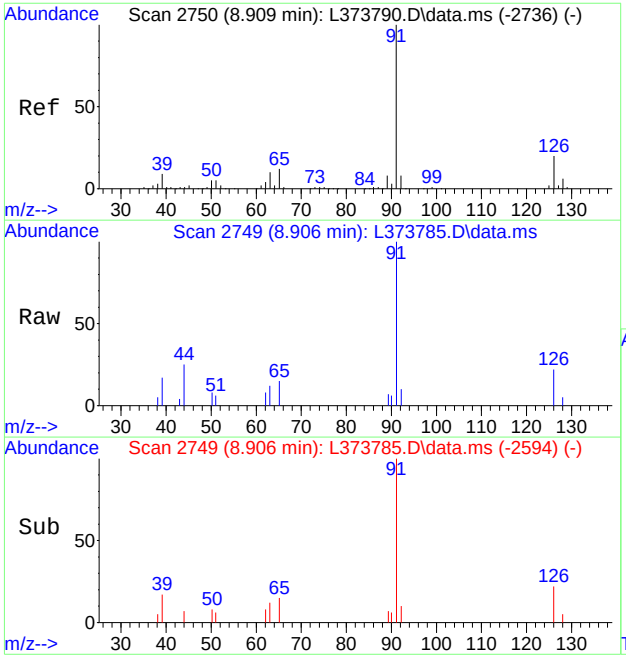


#121
hexachloroethane
Concen: 0.85 ug/L
RT: 9.406 min Scan# 2905
Delta R.T. 0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion:119 Resp: 1073

Ion	Ratio	Lower	Upper
119	100		
117	79.7	76.2	136.2
201	72.9	51.2	111.2

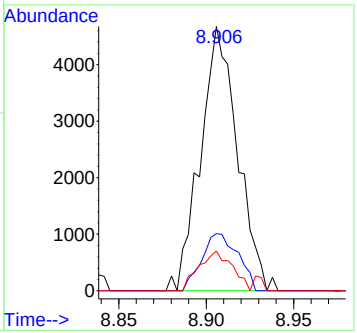


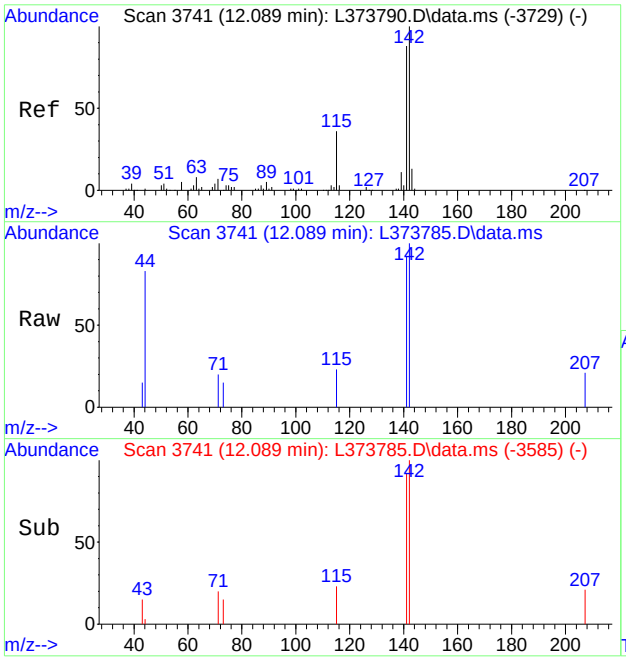


#122
benzyl chloride
Concen: 0.87 ug/L
RT: 8.906 min Scan# 2749
Delta R.T. -0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 91 Resp: 6893

Ion	Ratio	Lower	Upper
91	100		
126	21.7	0.0	49.8
65	15.1	0.0	41.8

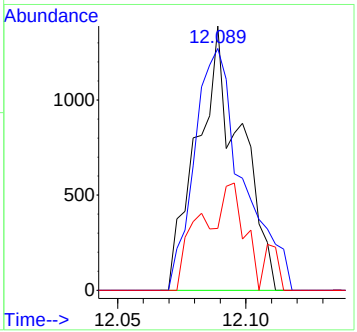




#123
2-methylnaphthalene
Concen: 0.43 ug/L
RT: 12.089 min Scan# 3741
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion:142 Resp: 1640

Ion	Ratio	Lower	Upper
142	100		
141	91.5	68.0	108.0
115	23.4	15.9	55.9



Manual Integration Approval Summary

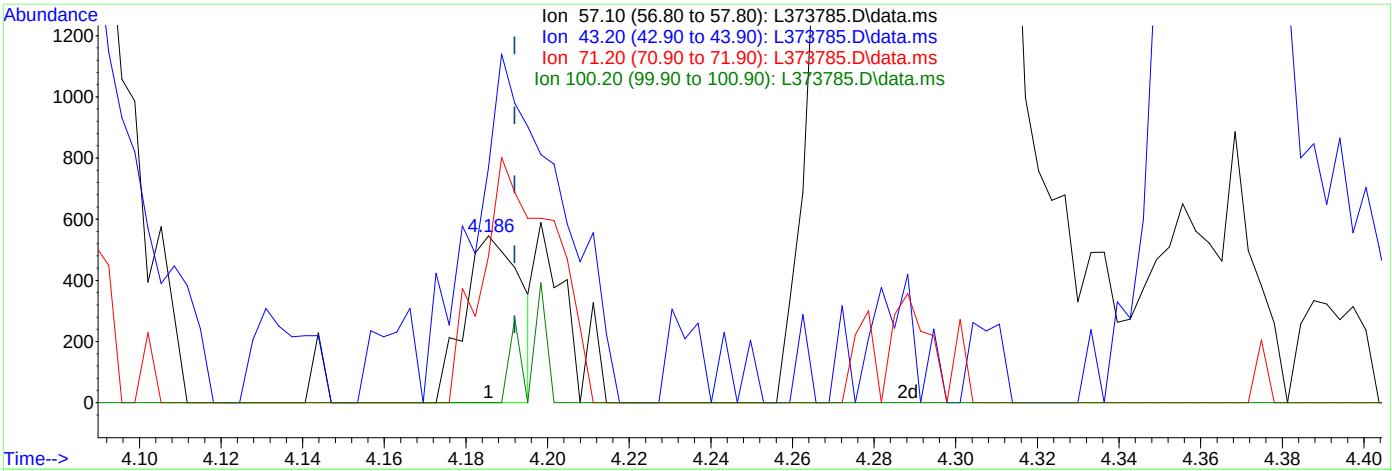
Sample Number:	VL11472-IC11472	**Method:**	SW846 8260D
Lab FileID:	L373785.D	**Analyst approved:**	10/19/25 11:25 MoHui Huang
Injection Time:	10/16/25 18:50	**Supervisor approved:**	10/20/25 12:58 Kanya Veerawat

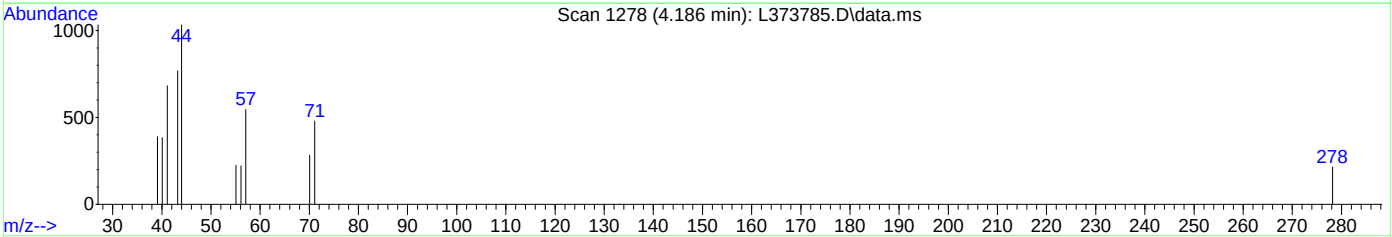
Parameter	CAS	Sig#	R.T. (min.)	Reason
Heptane	142-82-5		4.20	Split peak

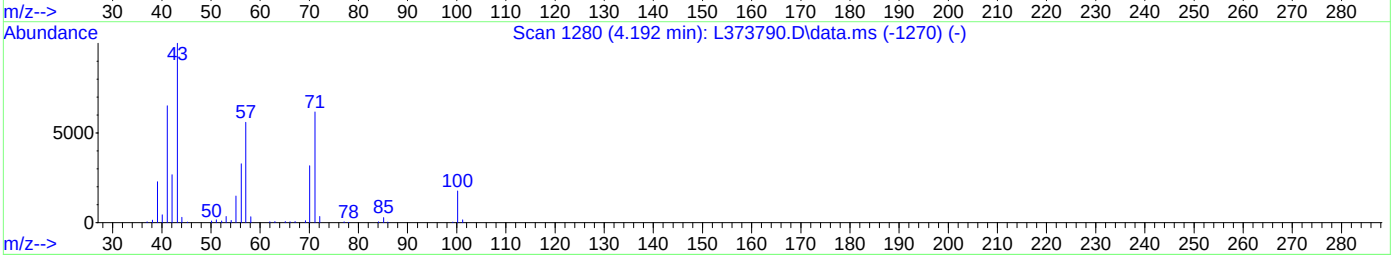
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373785.D
Acq On : 16 Oct 2025 6:50 pm
Operator : BridgetK
Sample : ic11472-1
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 17 09:53:17 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 09:53:09 2025
Response via : Initial Calibration







TIC: L373785.D\data.ms

(57) heptane

4.186min (-0.006) 0.42ug/L

response 527

Ion	Exp%	Act%
57.10	100	100
43.20	176.80	140.92#
71.20	108.50	87.71
100.20	31.10	0.00#

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373786.D
Acq On : 16 Oct 2025 7:15 pm
Operator : BridgetK
Sample : ic11472-2
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 17 10:01:33 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 09:58:37 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	2.613	65	266669	500.00	ug/L	0.00
5) pentafluorobenzene	3.755	168	234067	50.00	ug/L	0.00
51) 1,4-difluorobenzene	4.295	114	383766	50.00	ug/L	0.00
72) chlorobenzene-d5	6.615	117	308259	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	8.777	152	150731	50.00	ug/L	0.00
124) pentafluorobenzene(a)	3.755	168	234067	50.00	ug/L	0.00
131) 1,4-dichlorobenzene-d4(a)	8.777	152	150731	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	3.759	113	123413	50.45	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.90%			
52) 1,2-dichloroethane-d4 (s)	3.993	65	141554	50.55	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 101.10%			
73) toluene-d8 (s)	5.395	98	445088	50.38	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.76%			
97) 4-bromofluorobenzene (s)	7.677	95	159615	49.44	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.88%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.708	88	4304	60.3290	ug/L	98
3) ethanol	2.093	45	20727	299.7078	ug/L	87
4) tertiary butyl alcohol	2.658	59	10854	14.1163	ug/L	91
6) chlorodifluoromethane	1.368	51	8082	2.4277	ug/L	93
7) dichlorodifluoromethane	1.355	85	7831	2.3676	ug/L	96
8) chloromethane	1.487	50	7561	2.1326	ug/L	93
9) vinyl chloride	1.557	62	7439	2.2264	ug/L	98
10) 1,3-butadiene	1.583	54	7384	2.4548	ug/L	95
11) bromomethane	1.779	96	1748	1.9875	ug/L	85
12) chloroethane	1.846	64	3207	2.1215	ug/L	90
13) trichlorofluoromethane	2.007	101	9521	2.3953	ug/L	92
14) ethyl ether	2.167	74	3022	2.2604	ug/L #	86
15) acrolein	2.260	56	1243	1.9900	ug/L	79
16) freon 113	2.327	151	3655	2.3535	ug/L	92
17) 1,1-dichloroethene	2.327	96	4888	2.3896	ug/L	89
18) acetone	2.343	58	3728	8.6366	ug/L #	85
20) iodomethane	2.427	142	1773	0.9570	ug/L	88
22) carbon disulfide	2.478	76	15358	2.2936	ug/L	99
23) methylene chloride	2.629	84	5887	2.1894	ug/L	87
24) methyl acetate	2.526	74	1427	2.0018	ug/L #	66
25) methyl tert butyl ether	2.786	73	15211	2.2999	ug/L	97
26) trans-1,2-dichloroethene	2.796	96	5219	2.1779	ug/L	94
27) hexane	2.969	57	6324	2.2395	ug/L	93
28) di-isopropyl ether	3.072	45	15223	2.1195	ug/L	95
29) ethyl tert-butyl ether	3.306	59	15121	2.0555	ug/L	90
30) 2-butanone	3.422	72	4538	9.2844	ug/L	95
31) 1,1-dichloroethane	3.072	63	10159	2.2912	ug/L	96
32) chloroprene	3.123	53	7912	2.1536	ug/L	97
33) acrylonitrile	2.770	53	2712	1.9769	ug/L	77
34) vinyl acetate	3.062	86	1081	1.6092	ug/L	96
35) ethyl acetate	3.438	45	1460	1.9935	ug/L #	94
36) 2,2-dichloropropane	3.444	77	9501	2.3401	ug/L	94
37) cis-1,2-dichloroethene	3.438	96	5981	2.3105	ug/L	91
38) propionitrile	3.460	54	16707	23.0547	ug/L	71
39) methyl acrylate	3.470	85	919	1.4272	ug/L #	41
40) bromochloromethane	3.595	128	2772	2.5116	ug/L #	77
41) tetrahydrofuran	3.608	72	1421	2.0006	ug/L #	85
42) chloroform	3.653	83	12163	2.2800	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373786.D
Acq On : 16 Oct 2025 7:15 pm
Operator : BridgetK
Sample : ic11472-2
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 17 10:01:33 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 09:58:37 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) methacrylonitrile	3.560	67	2997	1.8076	ug/L	#	78
45) 1,1,1-trichloroethane	3.778	97	8513	2.1699	ug/L	#	1
46) cyclohexane	3.829	84	8310	2.6105	ug/L		85
47) 1,1-dichloropropene	3.881	75	6557	2.1260	ug/L		95
48) carbon tetrachloride	3.887	117	7006	2.2819	ug/L		95
49) isopropyl acetate	4.012	87	1398	1.7302	ug/L	#	92
50) tert amyl alcohol	3.986	55	4105	14.3005	ug/L	#	87
53) tert-amyl methyl ether	4.086	73	16608	2.3815	ug/L		98
54) 2,2,4-trimethylpentane	4.083	57	11786	2.2796	ug/L		93
55) n-butyl alcohol	4.362	56	29580	145.8968	ug/L		91
56) benzene	4.015	78	20613	2.0465	ug/L		96
57) heptane	4.195	57	2422	2.3535	ug/L		87
58) 1,2-dichloroethane	4.047	62	8578	2.3106	ug/L		93
59) trichloroethene	4.471	95	5293	2.2217	ug/L		84
60) ethyl acrylate	4.503	55	10640	2.4395	ug/L		94
62) 2-chloroethyl vinyl ether	5.049	63	9888	11.9904	ug/L		94
63) methyl methacrylate	4.676	100	1679	1.9249	ug/L	#	78
64) 1,2-dichloropropane	4.664	63	5496	2.2346	ug/L		94
65) methylcyclohexane	4.654	83	7535	2.4516	ug/L		98
66) dibromomethane	4.731	93	4088	2.4227	ug/L		88
67) bromodichloromethane	4.850	83	8361	2.4278	ug/L		94
68) cis-1,3-dichloropropene	5.180	75	8742	2.1701	ug/L		96
69) epichlorohydrin	5.097	57	6744	13.8543	ug/L		96
70) 4-methyl-2-pentanone	5.286	58	16513	10.6777	ug/L		95
71) 3-methyl-1-butanol	5.321	70	11108	59.6179	ug/L		98
74) toluene	5.453	92	13523	2.1225	ug/L		98
75) trans-1,3-dichloropropene	5.629	75	8914	2.4049	ug/L		97
76) ethyl methacrylate	5.658	69	9536	2.3899	ug/L		91
77) 1,1,2-trichloroethane	5.787	83	4941	2.5198	ug/L		90
78) 2-hexanone	5.960	58	18559	10.7200	ug/L		96
79) tetrachloroethene	5.873	166	5423	2.2206	ug/L		90
80) 1,3-dichloropropane	5.928	76	9204	2.4306	ug/L		97
81) butyl acetate	6.050	56	5872	2.4944	ug/L		94
82) dibromochloromethane	6.108	129	6092	2.3143	ug/L		91
83) 1,2-dibromoethane	6.223	107	5814	2.3890	ug/L		95
84) n-butyl ether	6.711	57	24500	2.3750	ug/L		99
85) chlorobenzene	6.640	112	14599	2.2266	ug/L		96
86) 1,1,1,2-tetrachloroethane	6.717	131	4650	2.2303	ug/L		91
87) ethylbenzene	6.720	91	25589	2.3101	ug/L		93
88) m,p-xylene	6.836	106	20254	4.7063	ug/L		97
89) o-xylene	7.183	106	10356	2.4687	ug/L		87
90) butyl acrylate	7.128	55	16092	2.5194	ug/L		96
91) styrene	7.199	104	16762	2.4145	ug/L		98
92) bromoform	7.365	173	4383	2.3406	ug/L		89
93) n-amyl acetate	7.330	70	6090	2.5683	ug/L	#	78
94) isopropylbenzene	7.516	105	23741	2.3588	ug/L		98
95) cis-1,4-dichloro-2-butene	7.571	88	1621	1.7433	ug/L		91
98) bromobenzene	7.818	156	6223	2.4485	ug/L		92
99) 1,1,2,2-tetrachloroethane	7.805	83	9934	2.5241	ug/L		91
100) trans-1,4-dichloro-2-b...	7.840	53	1542	1.8571	ug/L		88
101) 1,2,3-trichloropropane	7.856	110	3001	2.5587	ug/L		92
102) n-propylbenzene	7.905	91	27517	2.2330	ug/L		93
103) 2-chlorotoluene	7.988	126	5585	2.3313	ug/L		92
104) 4-chlorotoluene	8.103	126	6224	2.4026	ug/L	#	77
105) 1,3,5-trimethylbenzene	8.078	105	19378	2.2505	ug/L		95
106) tert-butylbenzene	8.373	119	15917	2.3204	ug/L		98
107) 1,2,4-trimethylbenzene	8.431	105	20076	2.3406	ug/L		97
108) sec-butylbenzene	8.585	105	22250	2.2599	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373786.D
Acq On : 16 Oct 2025 7:15 pm
Operator : BridgetK
Sample : ic11472-2
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 17 10:01:33 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 09:58:37 2025
Response via : Initial Calibration

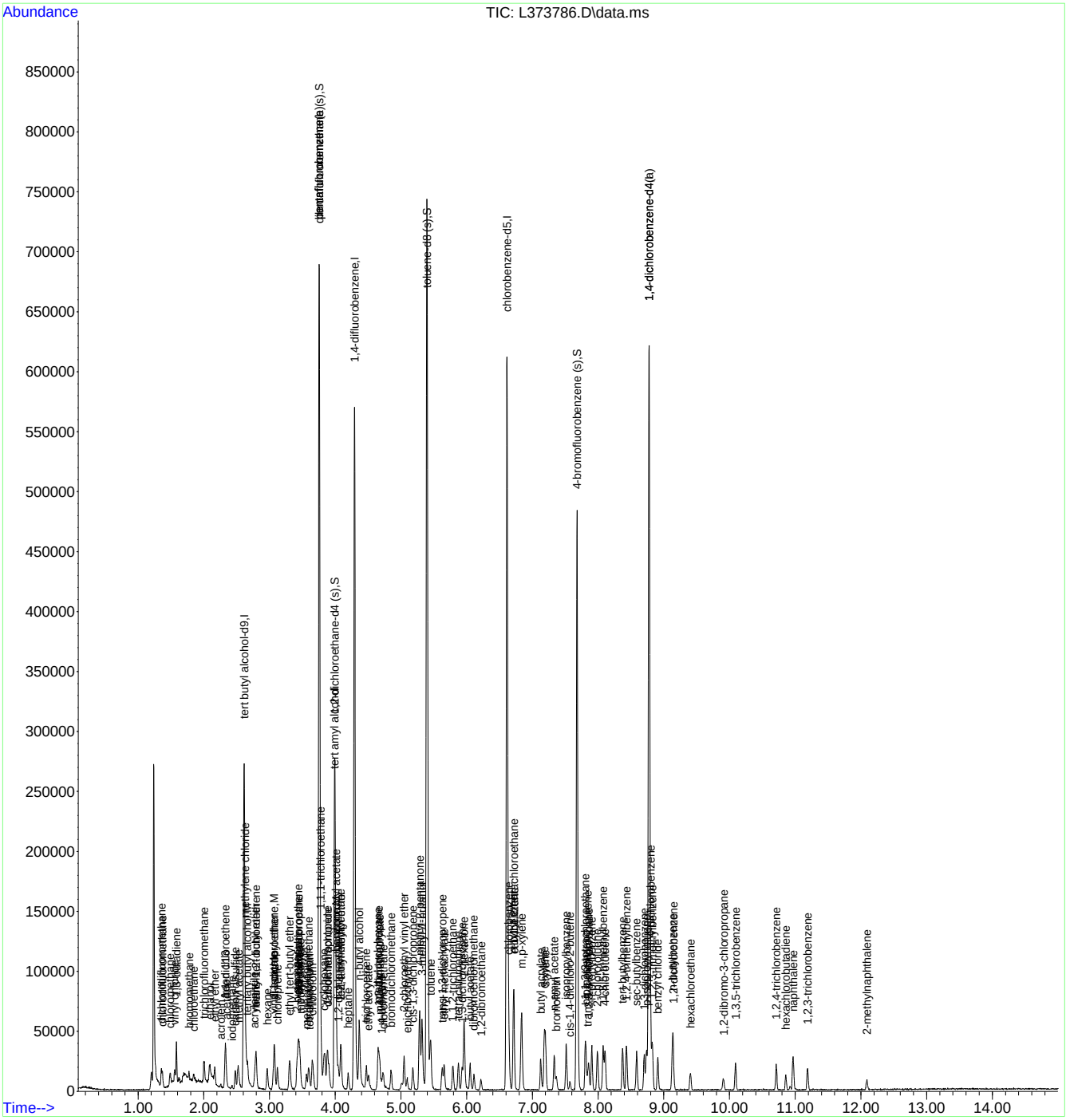
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
109) 1,3-dichlorobenzene	8.704	146	11205	2.3115	ug/L		88
110) p-isopropyltoluene	8.736	119	18437	2.2920	ug/L		96
111) 1,4-dichlorobenzene	8.800	146	11266	2.1907	ug/L		94
112) 1,2,3-trimethylbenzene	8.825	105	20767	2.1926	ug/L		96
113) 1,2-dichlorobenzene	9.146	146	11171	2.4578	ug/L		93
114) n-butylbenzene	9.134	92	9480	2.4046	ug/L		87
115) 1,2-dibromo-3-chloropr...	9.913	157	2665	2.5971	ug/L		92
116) 1,3,5-trichlorobenzene	10.093	180	6543	2.2651	ug/L		93
117) 1,2,4-trichlorobenzene	10.709	180	6166	2.4540	ug/L		98
118) hexachlorobutadiene	10.857	225	2479	2.7430	ug/L		90
119) naphthalene	10.969	128	22561	2.3473	ug/L		98
120) 1,2,3-trichlorobenzene	11.187	180	5939	2.4268	ug/L		83
121) hexachloroethane	9.406	119	2689	2.2305	ug/L		77
122) benzyl chloride	8.906	91	18543	2.4394	ug/L		96
123) 2-methylnaphthalene	12.092	142	4593	1.2601	ug/L	#	82

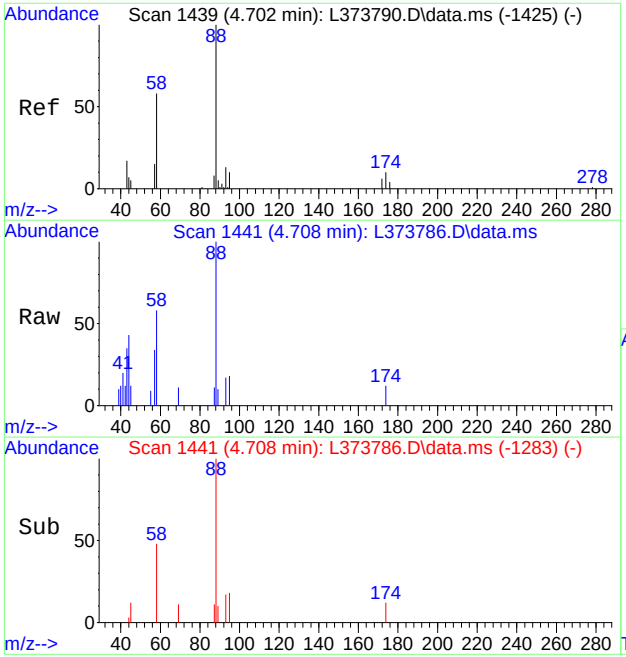
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373786.D
Acq On : 16 Oct 2025 7:15 pm
Operator : BridgetK
Sample : ic11472-2
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 17 10:01:33 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 09:58:37 2025
Response via : Initial Calibration

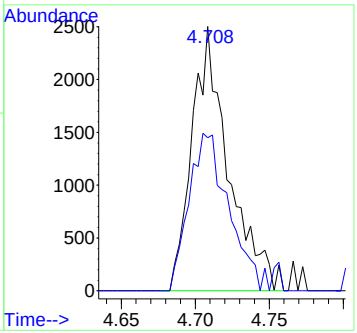


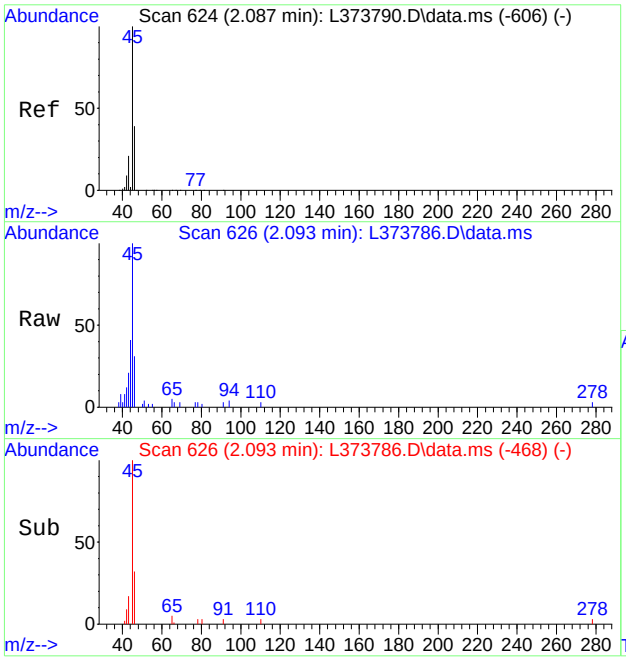


#2
1,4-dioxane
Concen: 60.33 ug/L
RT: 4.708 min Scan# 1441
Delta R.T. 0.006 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 88 Resp: 4304

Ion	Ratio	Lower	Upper
88	100		
58	57.9	29.1	89.1

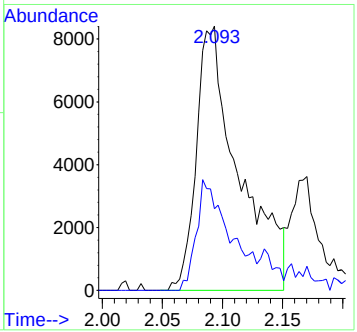


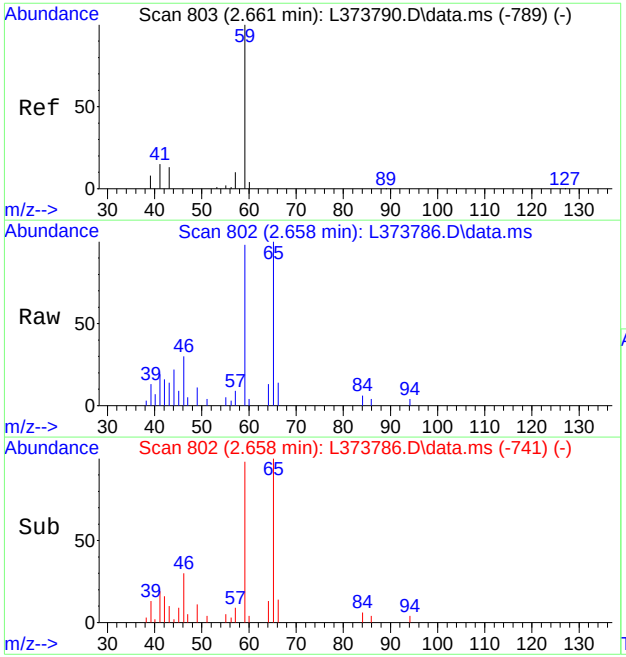


#3
ethanol
Concen: 299.71 ug/L
RT: 2.093 min Scan# 626
Delta R.T. 0.006 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 45 Resp: 20727

Ion	Ratio	Lower	Upper
45	100		
46	30.8	18.6	58.6

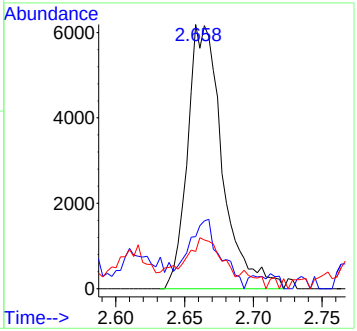


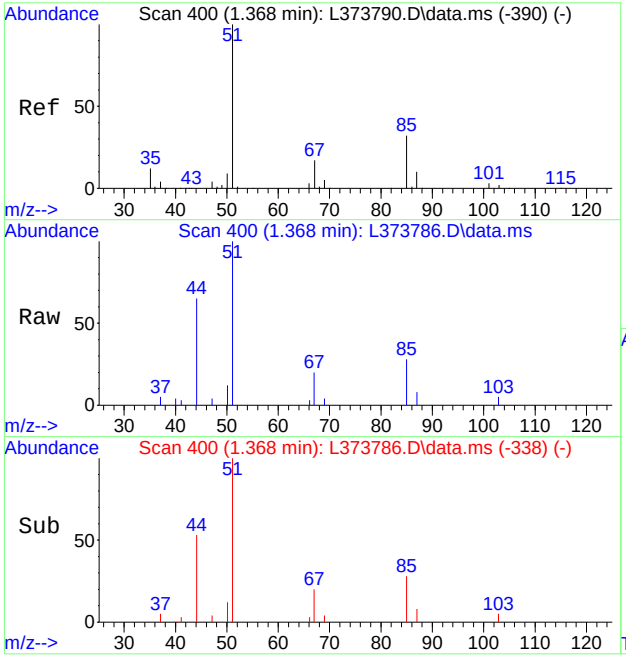


#4
tertiary butyl alcohol
Concen: 14.12 ug/L
RT: 2.658 min Scan# 802
Delta R.T. -0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 59 Resp: 10854

Ion	Ratio	Lower	Upper
59	100		
41	19.7	0.0	45.3
43	10.4	0.0	43.5

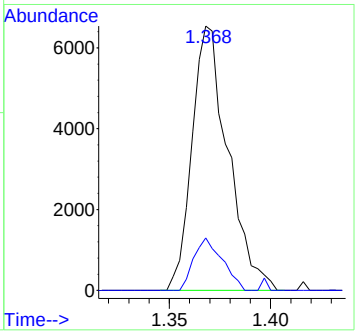


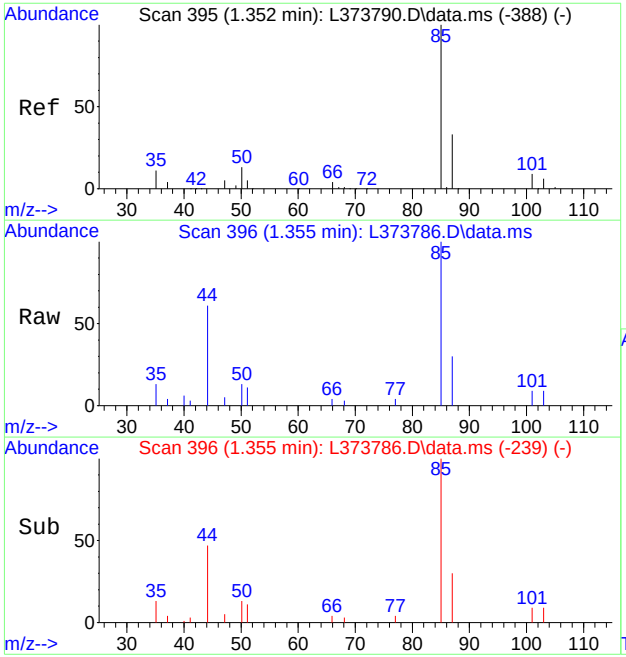


#6
chlorodifluoromethane
Concen: 2.43 ug/L
RT: 1.368 min Scan# 400
Delta R.T. -0.000 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 51 Resp: 8082

Ion	Ratio	Lower	Upper
51	100		
67	19.8	0.0	37.0

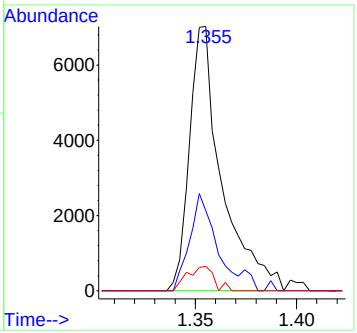


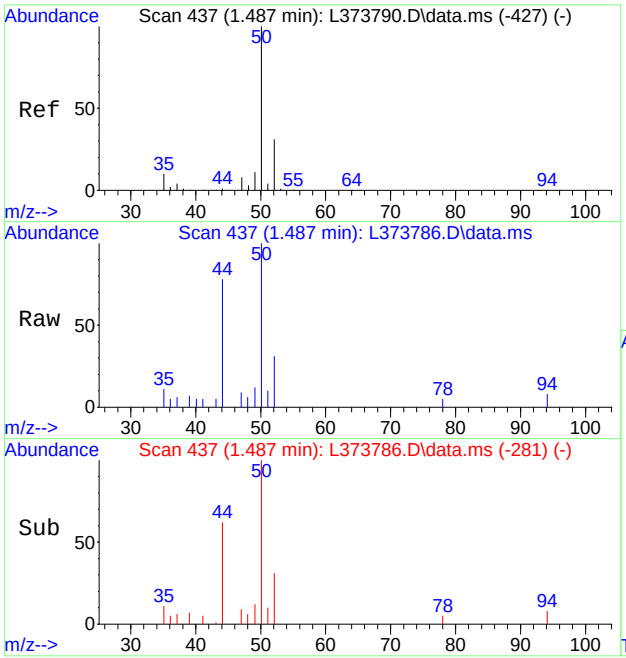


#7
dichlorodifluoromethane
Concen: 2.37 ug/L
RT: 1.355 min Scan# 396
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 85 Resp: 7831

Ion	Ratio	Lower	Upper
85	100		
87	30.4	2.8	62.8
101	9.2	0.0	38.9

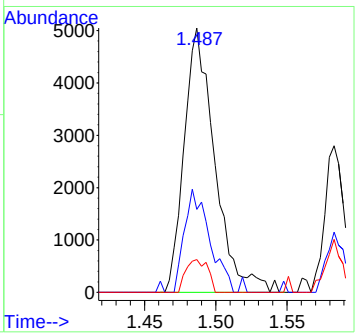


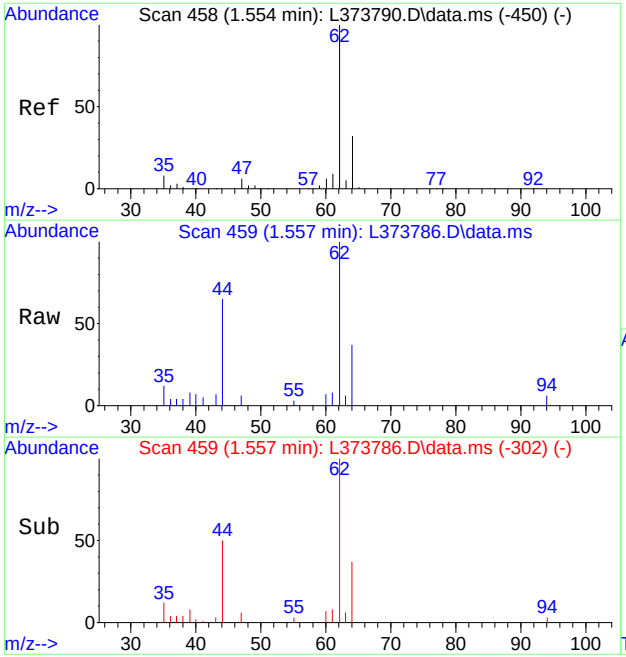


#8
chloromethane
Concen: 2.13 ug/L
RT: 1.487 min Scan# 437
Delta R.T. -0.000 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 50 Resp: 7561

Ion	Ratio	Lower	Upper
50	100		
52	27.2	1.5	61.5
49	12.4	0.0	41.1

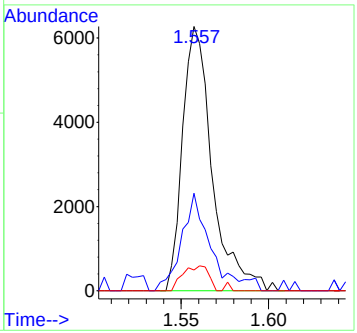


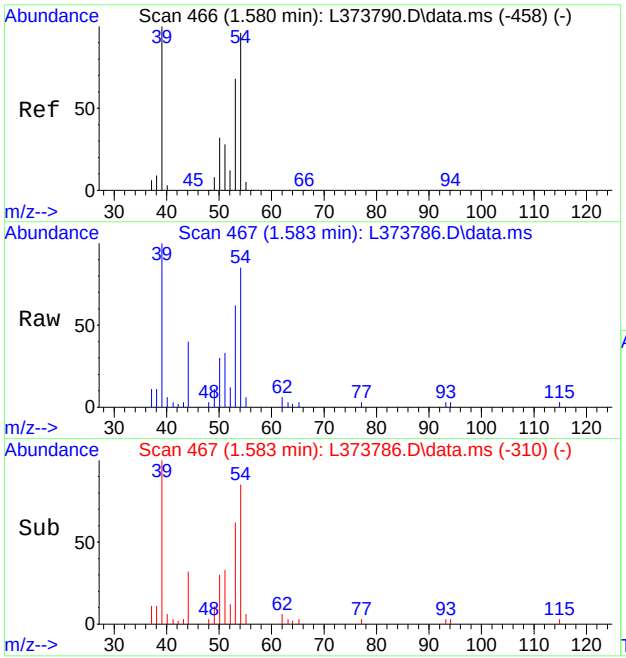


#9
vinyl chloride
Concen: 2.23 ug/L
RT: 1.557 min Scan# 459
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 62 Resp: 7439

Ion	Ratio	Lower	Upper
62	100		
64	33.6	2.2	62.2
61	7.8	0.0	38.5

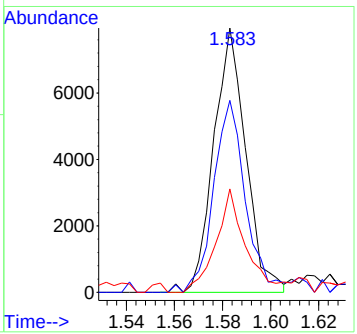


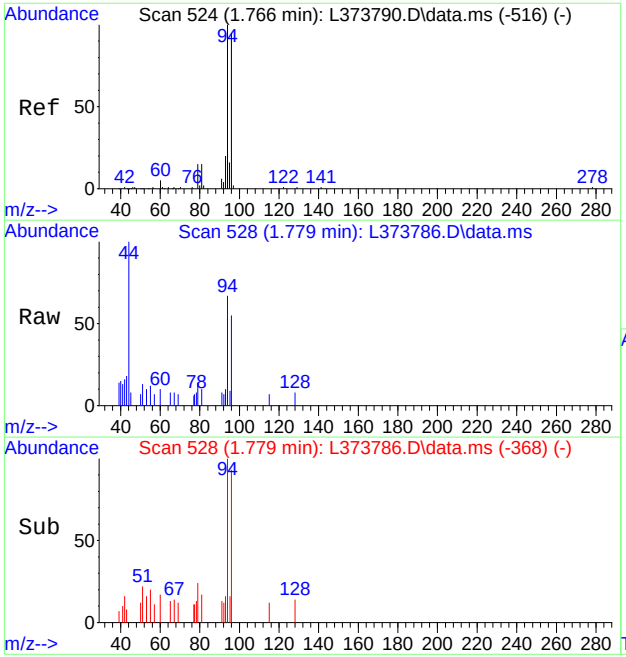


#10
1,3-butadiene
Concen: 2.45 ug/L
RT: 1.583 min Scan# 467
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 54 Resp: 7384

Ion	Ratio	Lower	Upper
54	100		
53	72.6	40.7	100.7
51	35.6	0.0	59.5

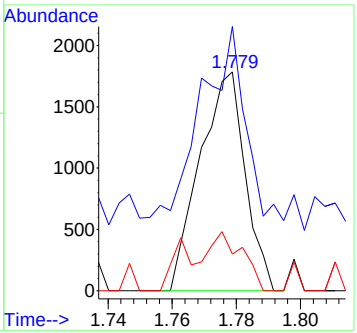


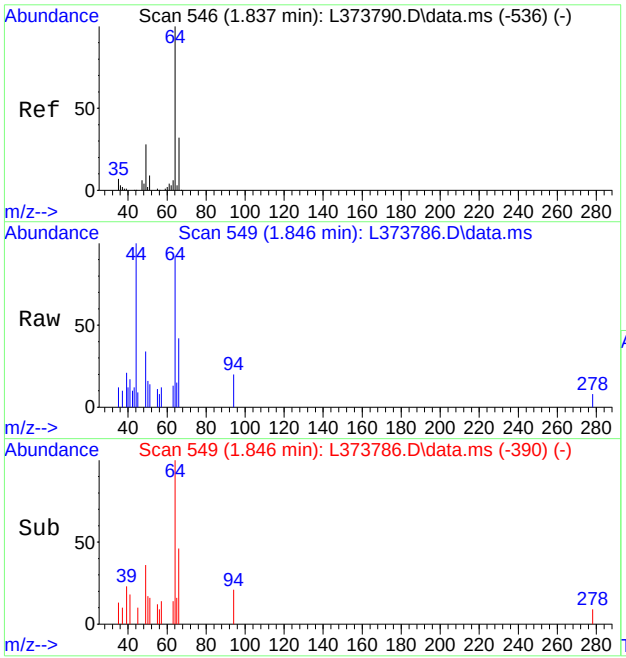


#11
bromomethane
Concen: 1.99 ug/L
RT: 1.779 min Scan# 528
Delta R.T. 0.013 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 96 Resp: 1748

Ion	Ratio	Lower	Upper
96	100		
94	88.7	76.7	136.7
95	16.8	0.0	46.3

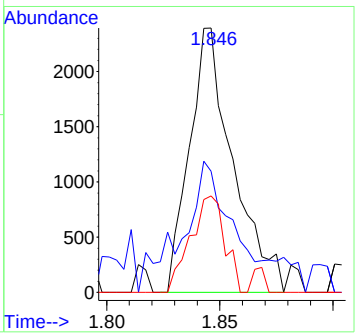


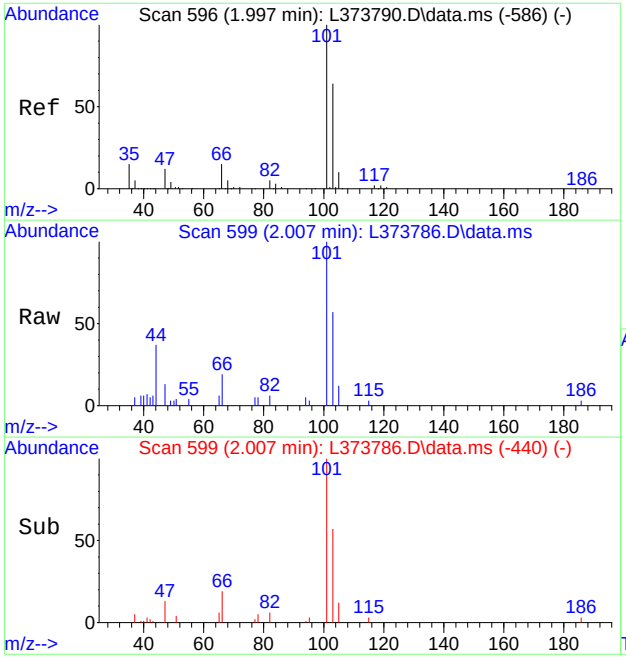


#12
chloroethane
Concen: 2.12 ug/L
RT: 1.846 min Scan# 549
Delta R.T. 0.009 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 64 Resp: 3207

Ion	Ratio	Lower	Upper
64	100		
66	34.2	1.8	61.8
49	36.5	0.0	57.7

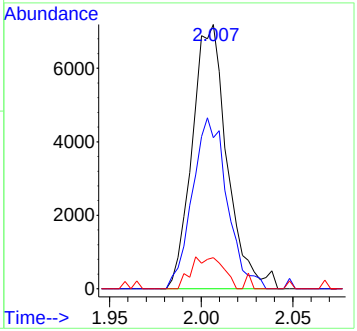


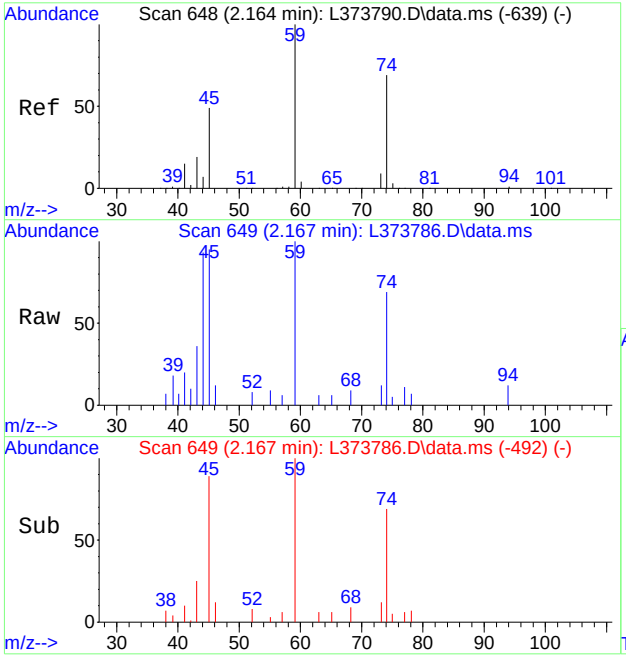


#13
trichlorofluoromethane
Concen: 2.40 ug/L
RT: 2.007 min Scan# 599
Delta R.T. 0.009 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion:101 Resp: 9521

Ion	Ratio	Lower	Upper
101	100		
103	57.1	33.8	93.8
105	11.8	0.0	40.0

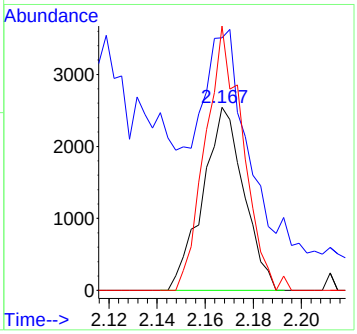


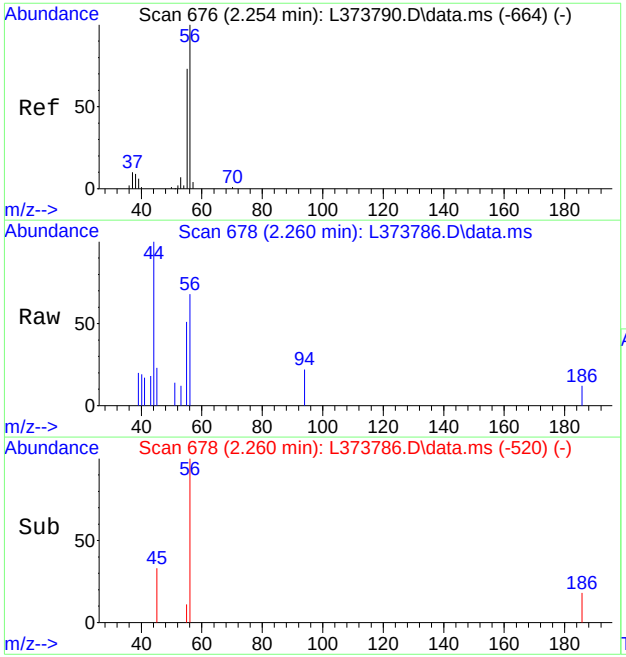


#14
ethyl ether
Concen: 2.26 ug/L
RT: 2.167 min Scan# 649
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 74 Resp: 3022

Ion	Ratio	Lower	Upper
74	100		
45	98.1	102.0	162.0#
59	144.5	114.2	174.2

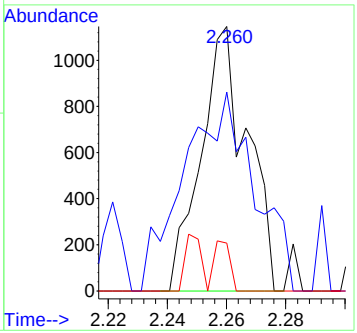


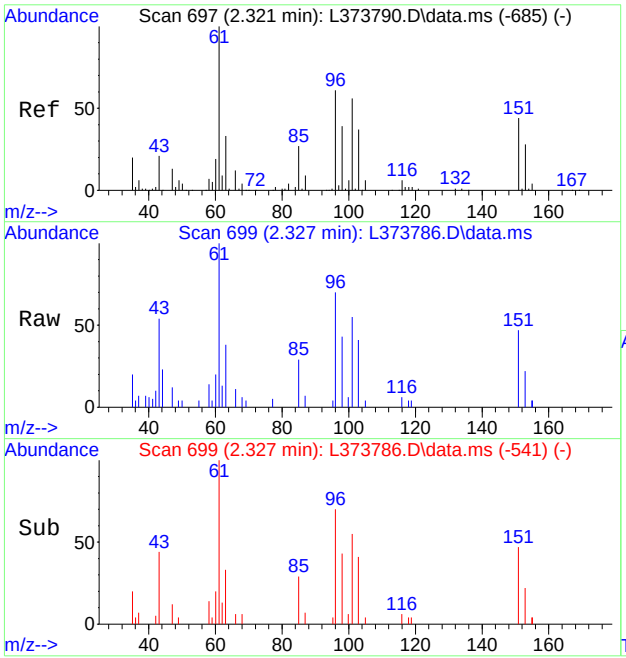


#15
acrolein
Concen: 1.99 ug/L
RT: 2.260 min Scan# 678
Delta R.T. 0.006 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 56 Resp: 1243

Ion	Ratio	Lower	Upper
56	100		
55	56.4	42.9	102.9
53	18.0	0.0	38.0

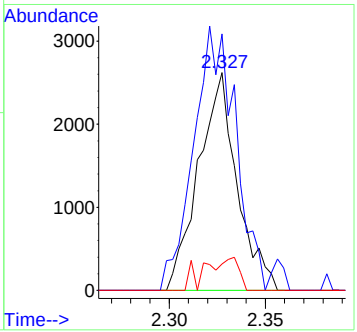


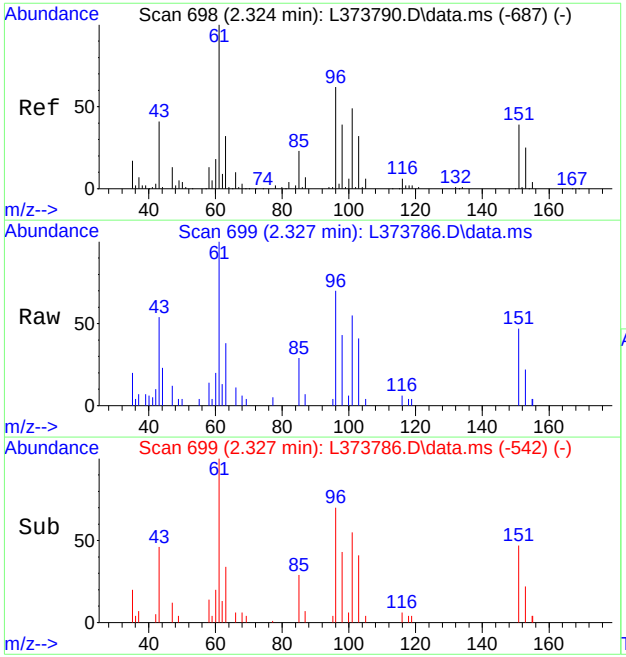


#16
freon 113
Concen: 2.35 ug/L
RT: 2.327 min Scan# 699
Delta R.T. 0.006 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion:151 Resp: 3655

Ion	Ratio	Lower	Upper
151	100		
101	117.7	107.4	147.4
116	12.1	0.0	33.9

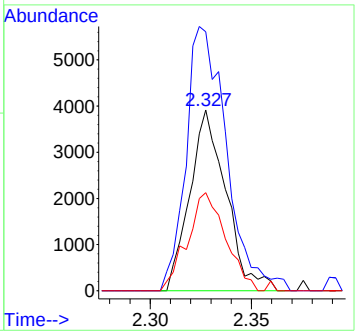


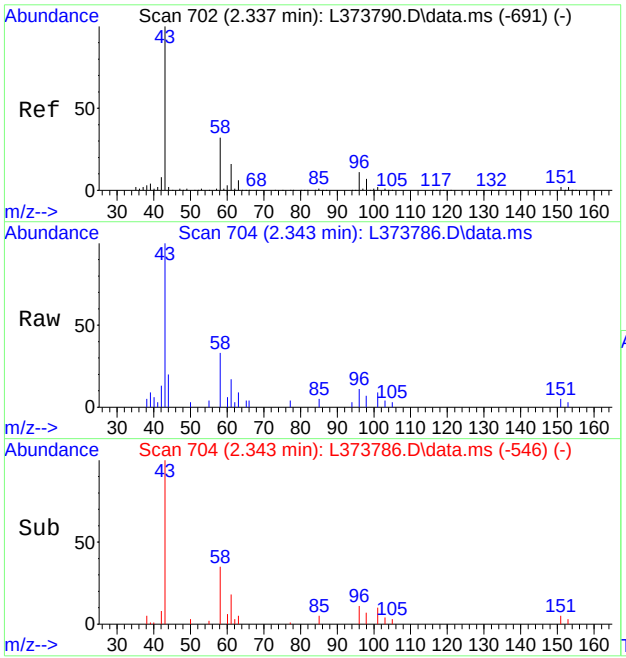


#17
1,1-dichloroethene
Concen: 2.39 ug/L
RT: 2.327 min Scan# 699
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 96 Resp: 4888

Ion	Ratio	Lower	Upper
96	100		
61	143.2	131.4	191.4
63	54.3	22.3	82.3

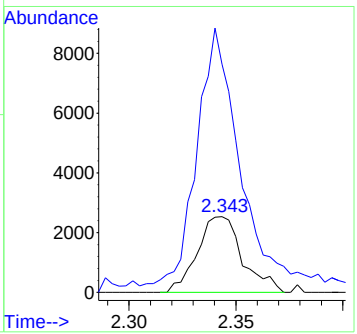


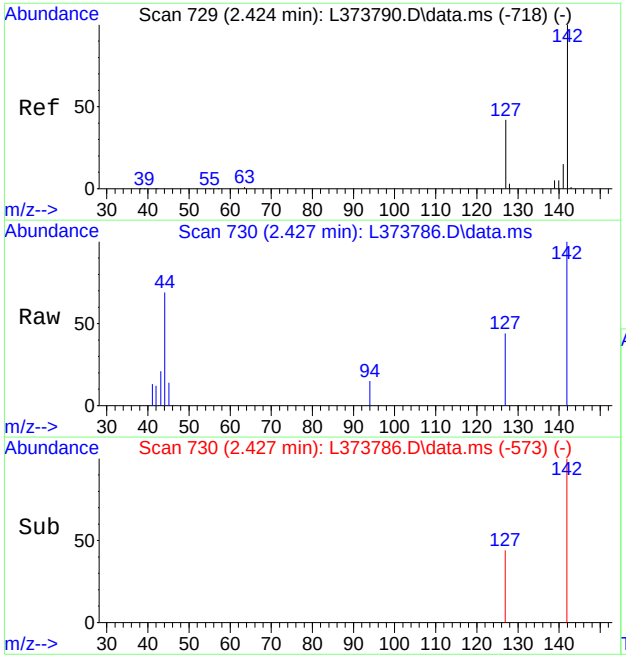


#18
acetone
Concen: 8.64 ug/L
RT: 2.343 min Scan# 704
Delta R.T. 0.006 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 58 Resp: 3728

Ion	Ratio	Lower	Upper
58	100		
43	285.2	286.5	346.5#

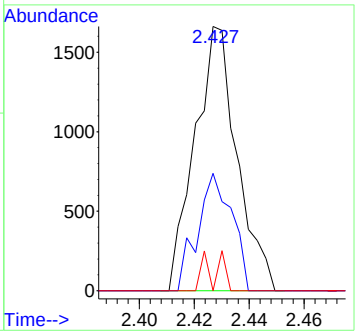


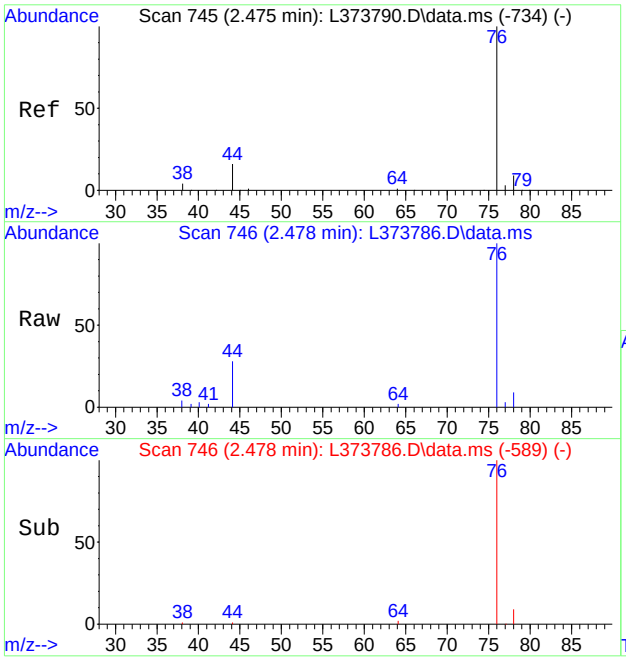


#20
iodomethane
Concen: 0.96 ug/L
RT: 2.427 min Scan# 730
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion:142 Resp: 1773

Ion	Ratio	Lower	Upper
142	100		
127	44.4	12.2	72.2
141	0.0	0.0	44.6

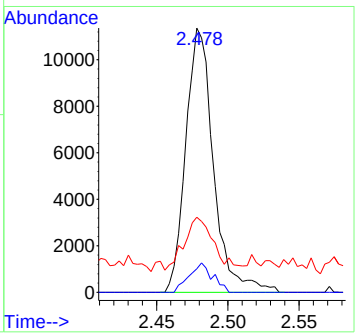


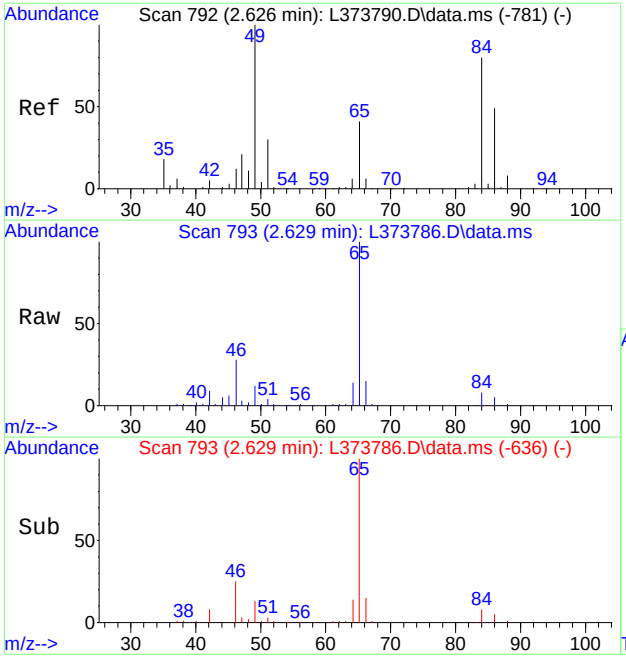


#22
carbon disulfide
Concen: 2.29 ug/L
RT: 2.478 min Scan# 746
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 76 Resp: 15358

Ion	Ratio	Lower	Upper
76	100		
78	8.9	0.0	38.9
44	16.6	0.0	46.1

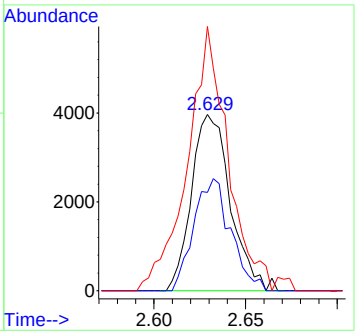


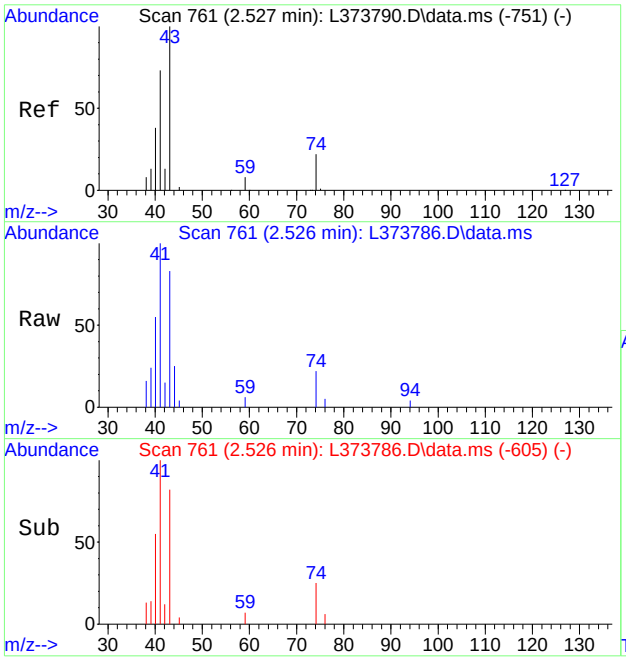


#23
methylene chloride
Concen: 2.19 ug/L
RT: 2.629 min Scan# 793
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 84 Resp: 5887

Ion	Ratio	Lower	Upper
84	100		
86	55.8	31.2	91.2
49	143.3	95.6	155.6

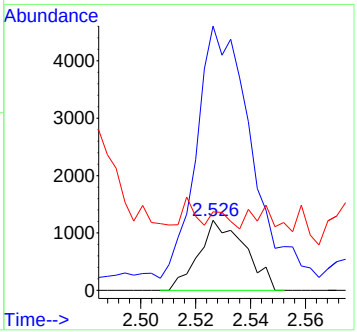


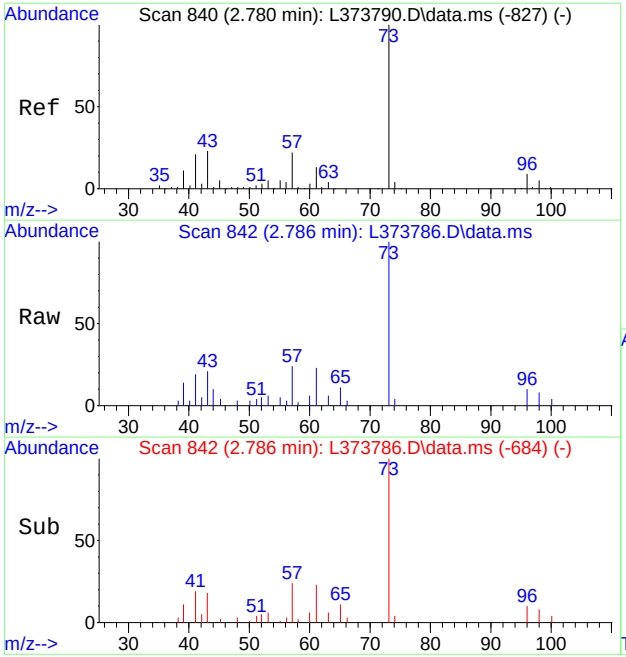


#24
methyl acetate
Concen: 2.00 ug/L
RT: 2.526 min Scan# 761
Delta R.T. -0.000 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 74 Resp: 1427

Ion	Ratio	Lower	Upper
74	100		
43	360.3	417.7	477.7#
44	16.6	0.0	39.0

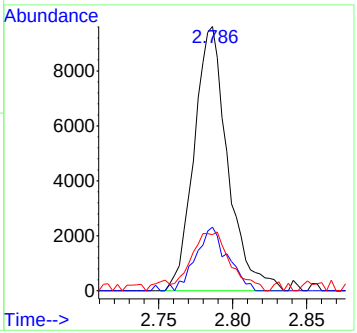


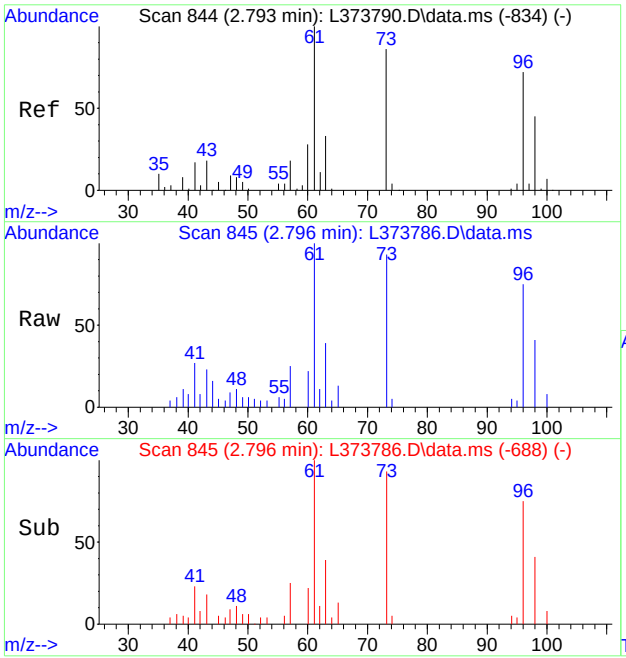


#25
methyl tert butyl ether
Concen: 2.30 ug/L
RT: 2.786 min Scan# 842
Delta R.T. 0.006 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 73 Resp: 15211

Ion	Ratio	Lower	Upper
73	100		
57	24.0	0.0	52.4
43	21.3	0.0	52.7

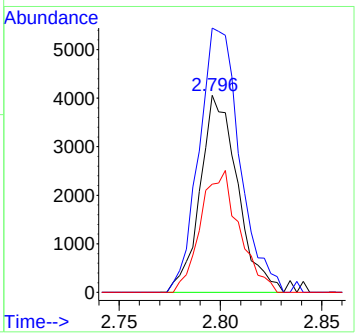


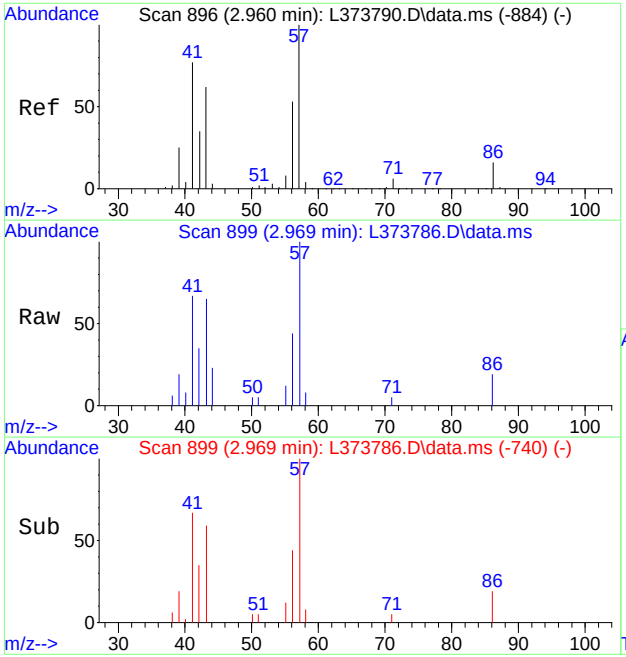


#26
trans-1,2-dichloroethene
Concen: 2.18 ug/L
RT: 2.796 min Scan# 845
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 96 Resp: 5219

Ion	Ratio	Lower	Upper
96	100		
61	134.2	109.1	169.1
98	54.9	32.0	92.0

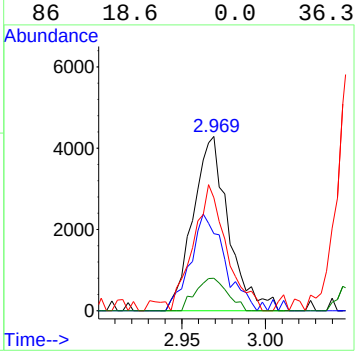


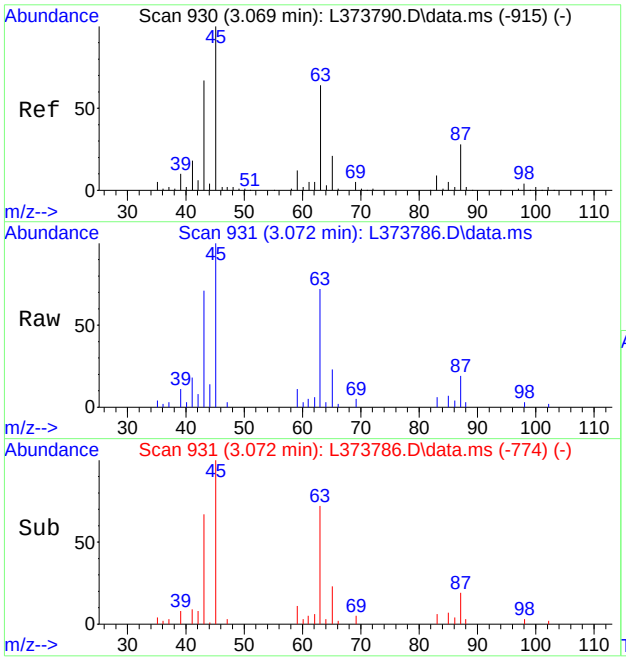


#27
hexane
Concen: 2.24 ug/L
RT: 2.969 min Scan# 899
Delta R.T. 0.009 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 57 Resp: 6324

Ion	Ratio	Lower	Upper
57	100		
56	44.3	32.9	72.9
43	60.0	41.9	81.9
86	18.6	0.0	36.3

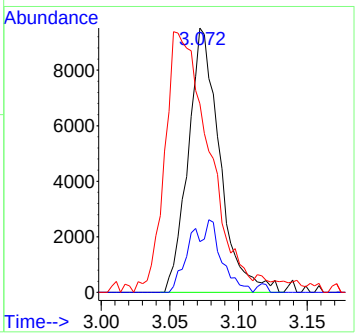


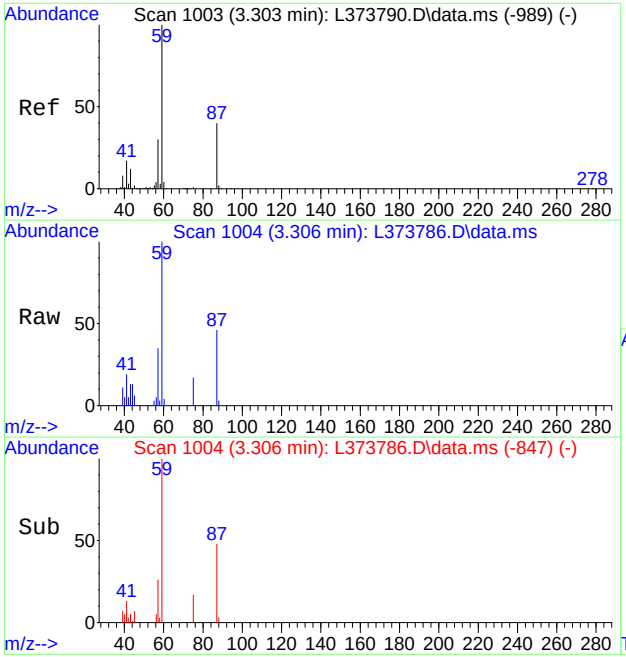


#28
di-isopropyl ether
Concen: 2.12 ug/L
RT: 3.072 min Scan# 931
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 45 Resp: 15223

Ion	Ratio	Lower	Upper
45	100		
87	19.2	0.0	57.5
43	67.1	37.5	97.5

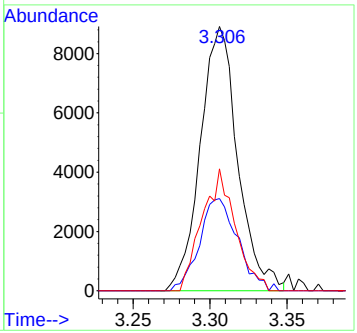


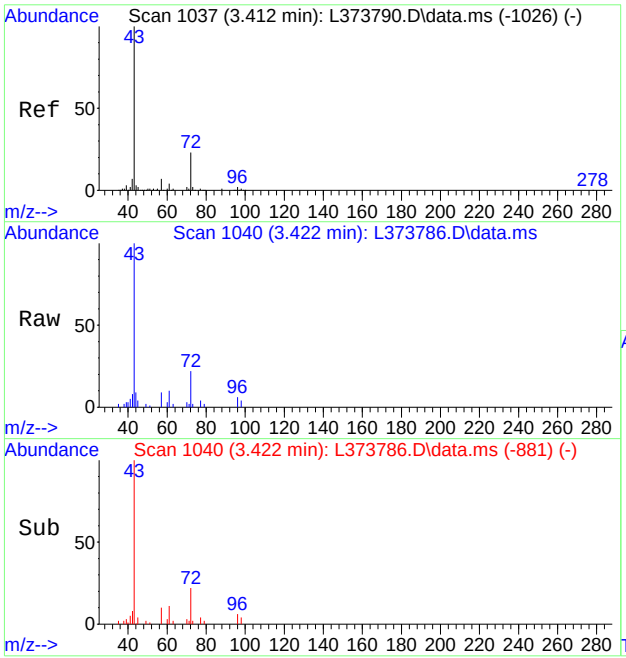


#29
ethyl tert-butyl ether
Concen: 2.06 ug/L
RT: 3.306 min Scan# 1004
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 59 Resp: 15121

Ion	Ratio	Lower	Upper
59	100		
57	34.9	0.3	60.3
87	46.1	9.6	69.6

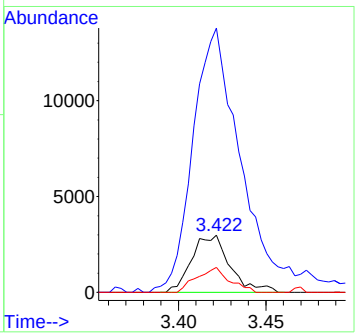


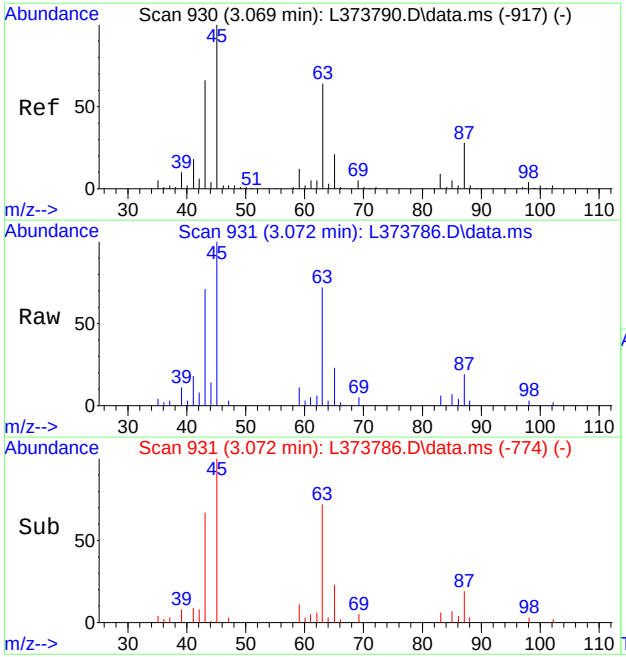


#30
2-butanone
Concen: 9.28 ug/L
RT: 3.422 min Scan# 1040
Delta R.T. 0.009 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 72 Resp: 4538

Ion	Ratio	Lower	Upper
72	100		
43	452.4	411.9	471.9
57	43.6	2.4	62.4

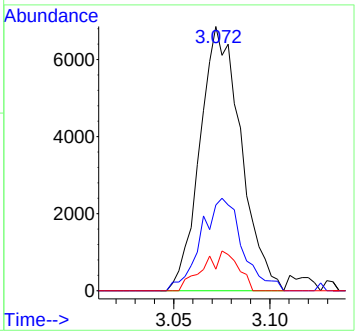


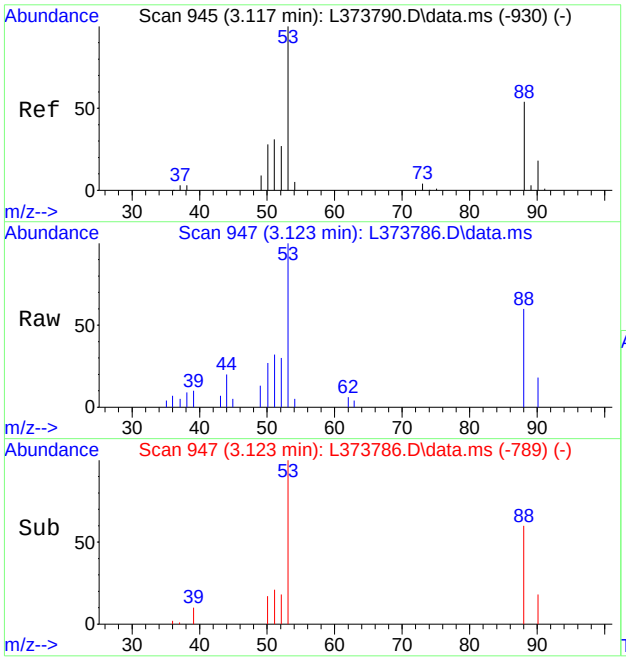


#31
1,1-dichloroethane
Concen: 2.29 ug/L
RT: 3.072 min Scan# 931
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 63 Resp: 10159

Ion	Ratio	Lower	Upper
63	100		
65	32.4	2.5	62.5
83	8.2	0.0	43.5

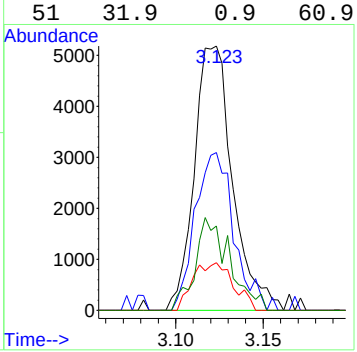


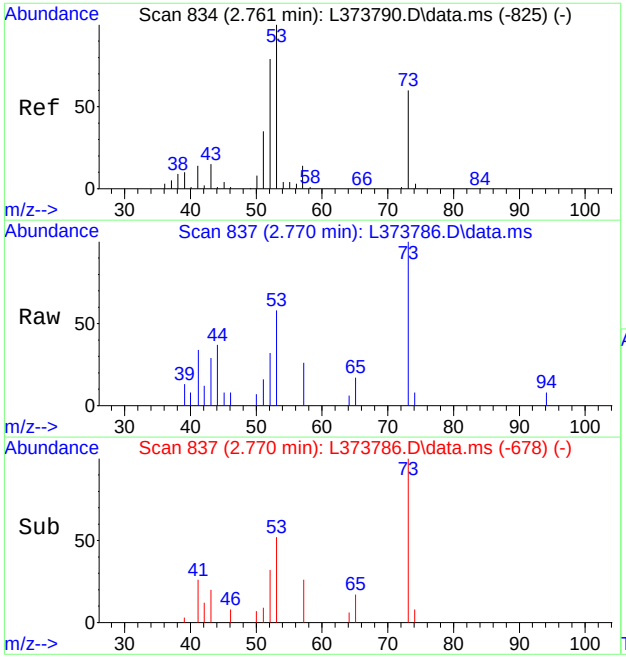


#32
chloroprene
Concen: 2.15 ug/L
RT: 3.123 min Scan# 947
Delta R.T. 0.006 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 53 Resp: 7912

Ion	Ratio	Lower	Upper
53	100		
88	59.7	26.2	86.2
90	18.1	0.0	47.9
51	31.9	0.9	60.9

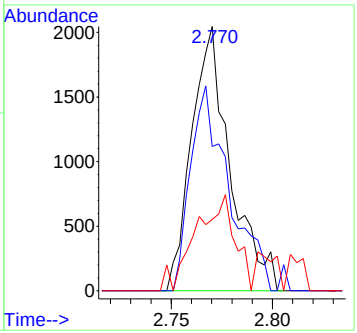


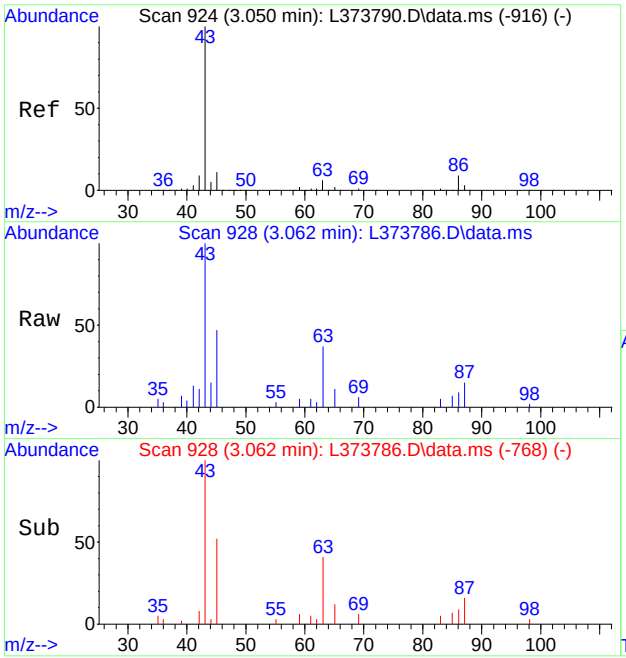


#33
acrylonitrile
Concen: 1.98 ug/L
RT: 2.770 min Scan# 837
Delta R.T. 0.010 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 53 Resp: 2712

Ion	Ratio	Lower	Upper
53	100		
52	54.6	48.8	108.8
51	27.0	4.6	64.6

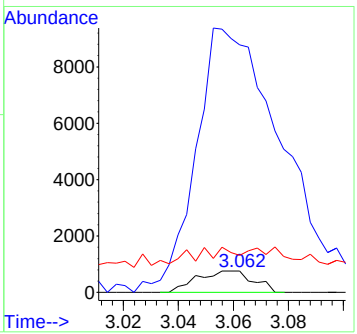


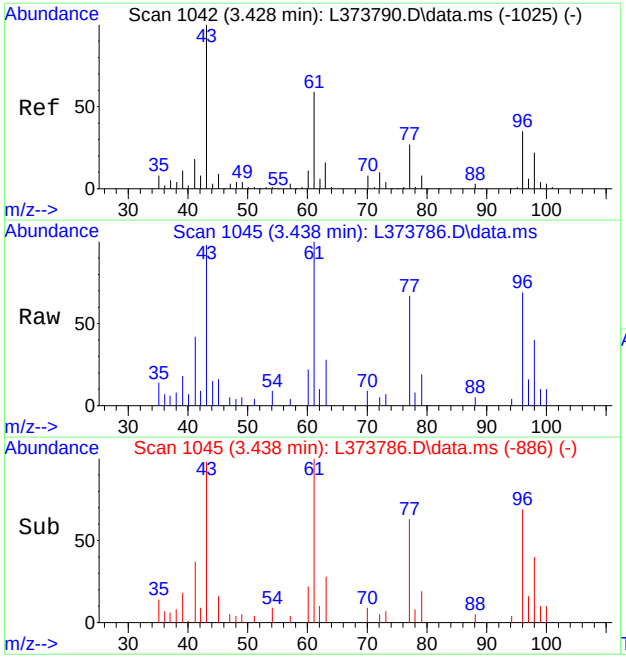


#34
vinyl acetate
Concen: 1.61 ug/L
RT: 3.062 min Scan# 928
Delta R.T. 0.013 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 86 Resp: 1081

Ion	Ratio	Lower	Upper
86	100		
43	1096.5	1076.3	1136.3
44	23.9	23.6	83.6

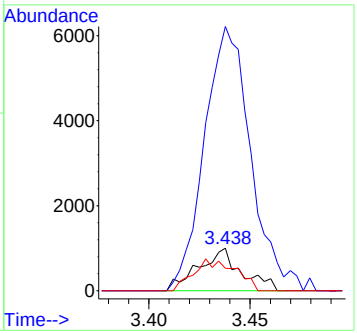


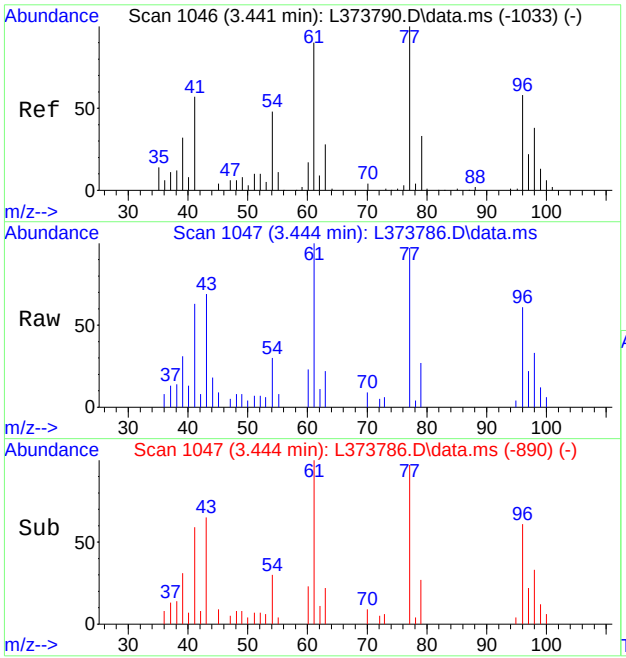


#35
ethyl acetate
Concen: 1.99 ug/L
RT: 3.438 min Scan# 1045
Delta R.T. 0.009 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 45 Resp: 1460

Ion	Ratio	Lower	Upper
45	100		
61	621.5	598.6	658.6
70	52.8	53.6	113.6#

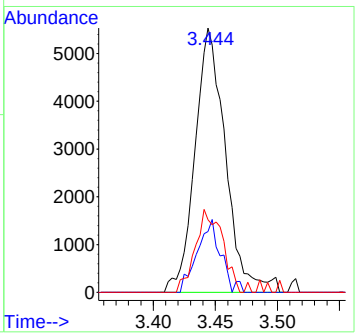


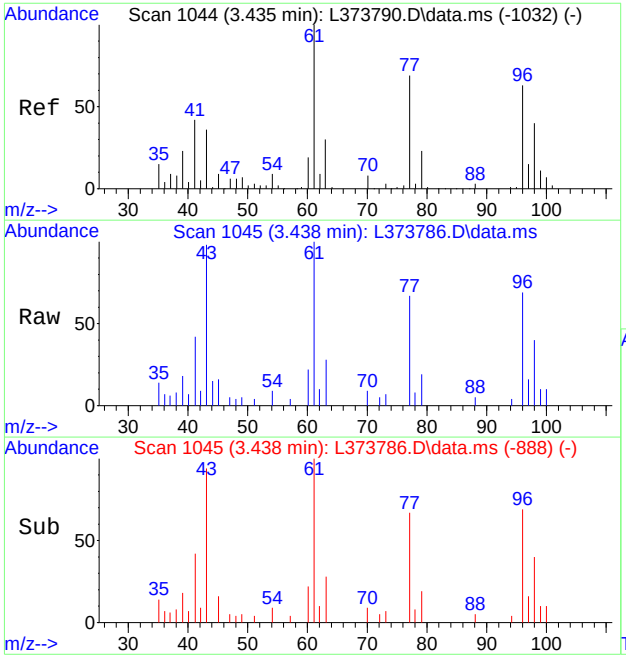


#36
2,2-dichloropropane
Concen: 2.34 ug/L
RT: 3.444 min Scan# 1047
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 77 Resp: 9501

Ion	Ratio	Lower	Upper
77	100		
97	23.0	0.0	52.3
79	27.5	3.0	63.0

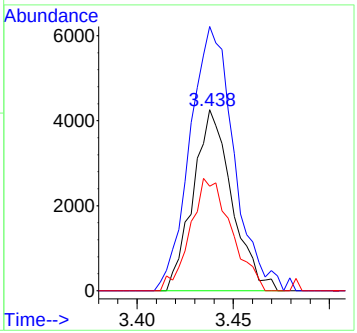


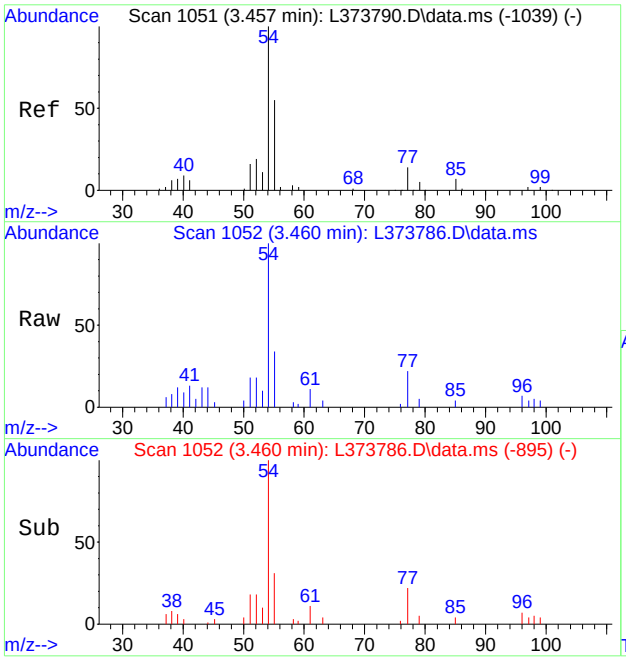


#37
cis-1,2-dichloroethene
Concen: 2.31 ug/L
RT: 3.438 min Scan# 1045
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 96 Resp: 5981

Ion	Ratio	Lower	Upper
96	100		
61	146.0	128.7	188.7
98	57.8	34.1	94.1

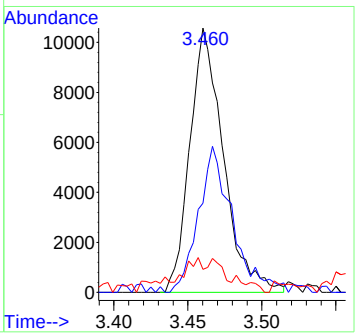


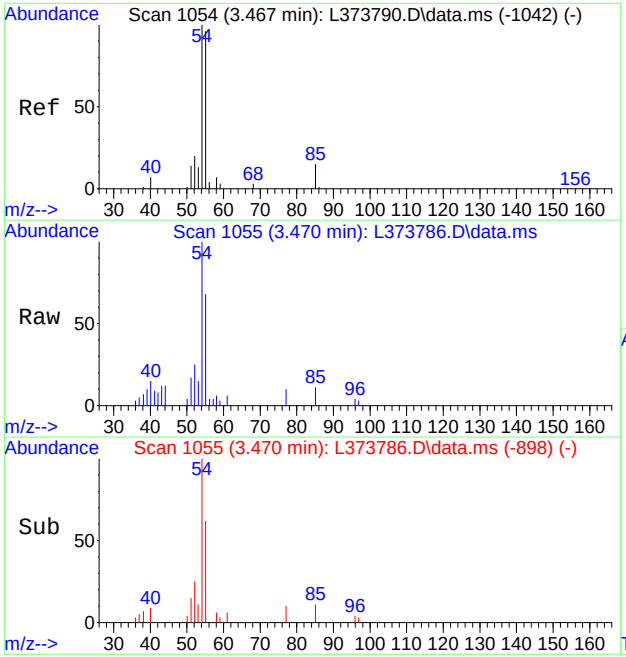


#38
propionitrile
Concen: 23.05 ug/L
RT: 3.460 min Scan# 1052
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 54 Resp: 16707

Ion	Ratio	Lower	Upper
54	100		
55	31.6	25.4	85.4
40	5.8	0.0	39.0

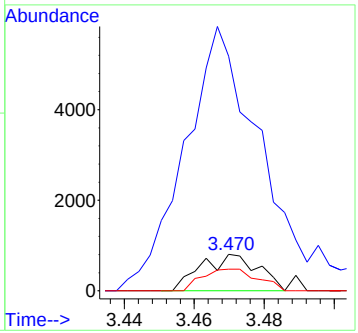


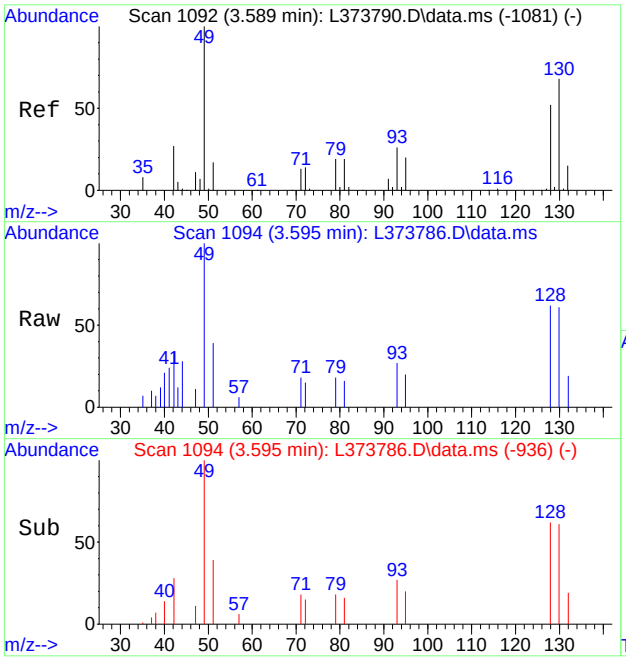


#39
methyl acrylate
Concen: 1.43 ug/L
RT: 3.470 min Scan# 1055
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 85 Resp: 919

Ion	Ratio	Lower	Upper
85	100		
55	450.9	639.4	679.4#
58	59.2	29.8	69.8

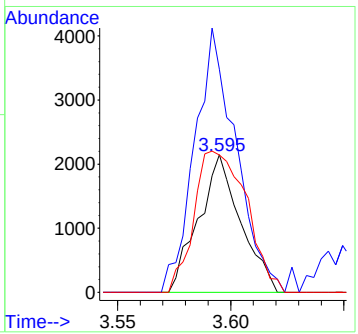


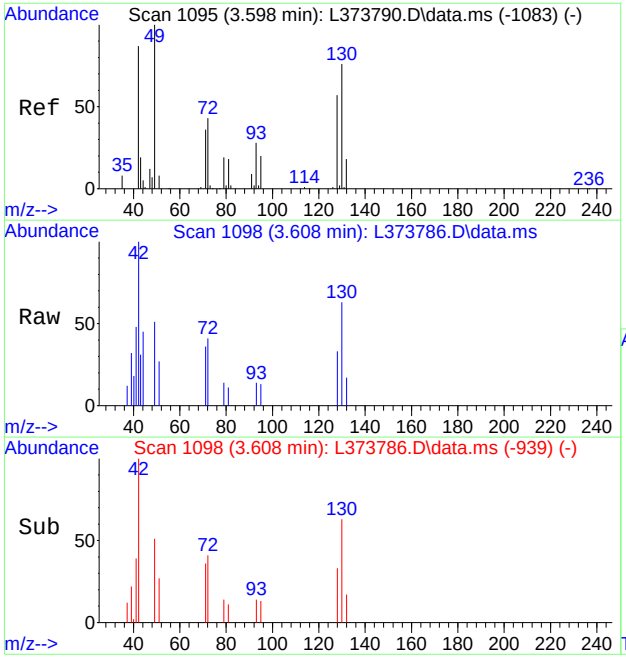


#40
bromochloromethane
Concen: 2.51 ug/L
RT: 3.595 min Scan# 1094
Delta R.T. 0.006 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion:128 Resp: 2772

Ion	Ratio	Lower	Upper
128	100		
49	162.1	163.3	223.3#
130	99.7	100.3	160.3#

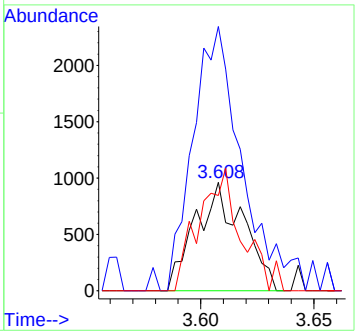


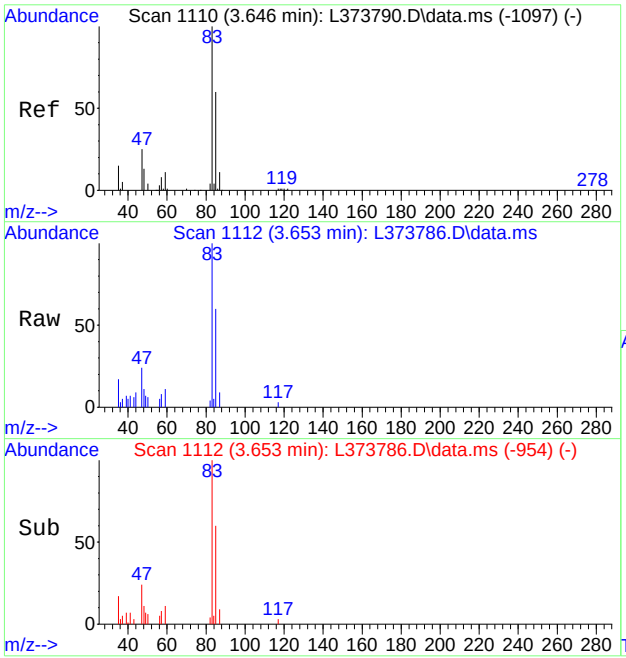


#41
tetrahydrofuran
Concen: 2.00 ug/L
RT: 3.608 min Scan# 1098
Delta R.T. 0.009 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 72 Resp: 1421

Ion	Ratio	Lower	Upper
72	100		
42	243.4	183.3	243.3#
71	87.9	53.5	113.5

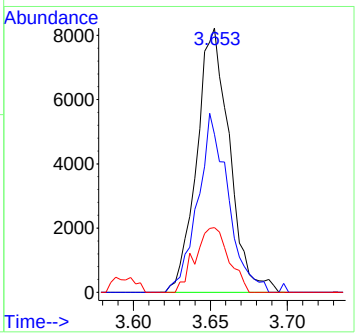


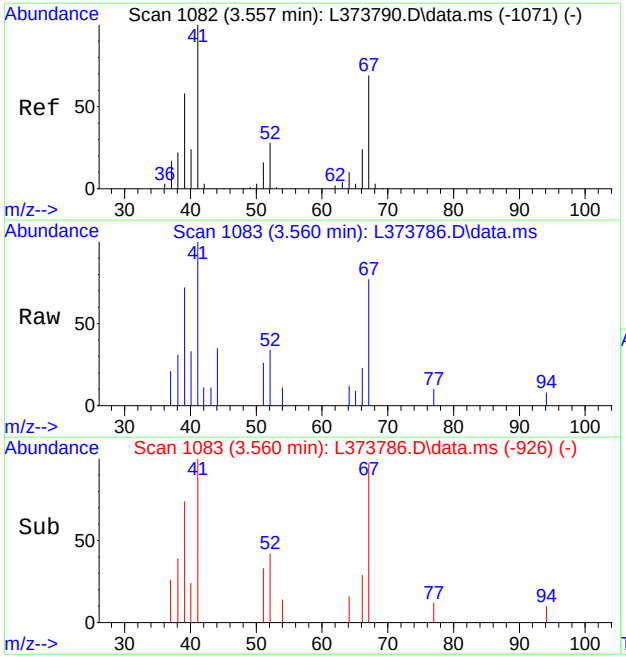


#42
chloroform
Concen: 2.28 ug/L
RT: 3.653 min Scan# 1112
Delta R.T. 0.006 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 83 Resp: 12163

Ion	Ratio	Lower	Upper
83	100		
85	59.8	29.7	89.7
47	24.5	0.0	54.6

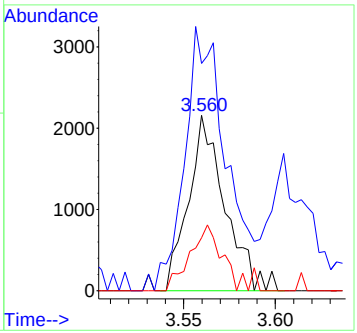


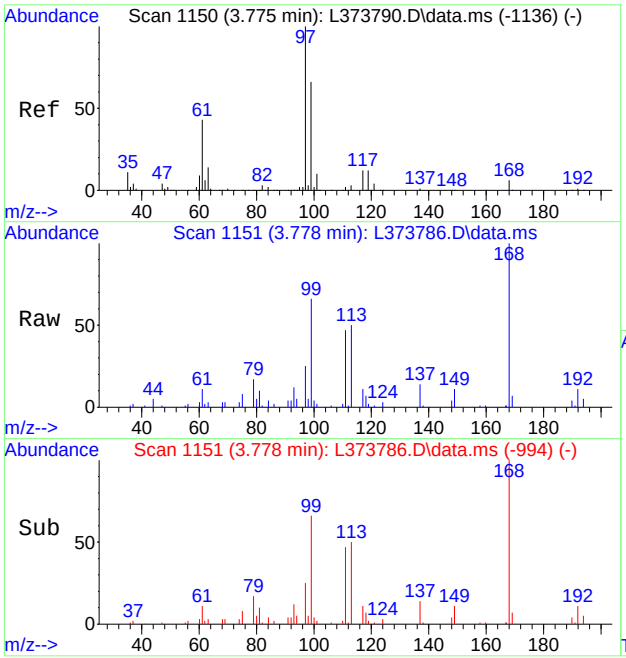


#44
methacrylonitrile
Concen: 1.81 ug/L
RT: 3.560 min Scan# 1083
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 67 Resp: 2997

Ion	Ratio	Lower	Upper
67	100		
41	113.5	115.3	175.3#
66	30.2	4.3	64.3

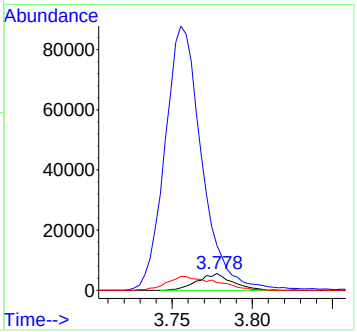


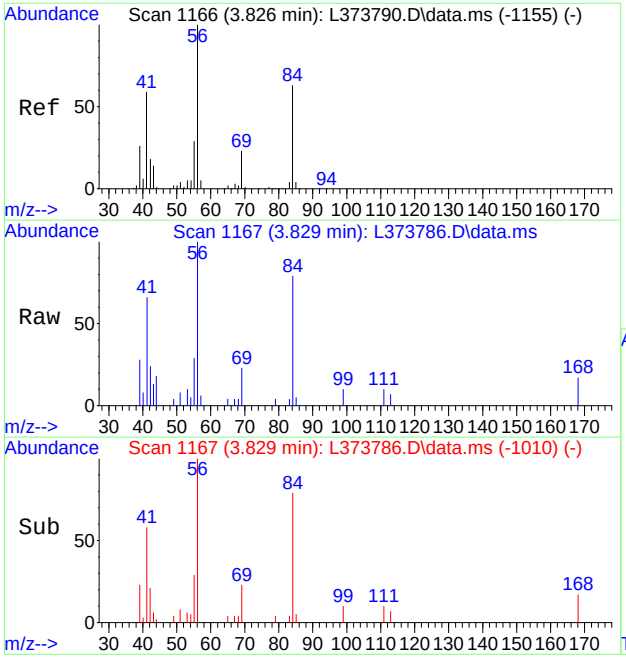


#45
1,1,1-trichloroethane
Concen: 2.17 ug/L
RT: 3.778 min Scan# 1151
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 97 Resp: 8513

Ion	Ratio	Lower	Upper
97	100		
99	250.8	41.0	101.0#
61	45.8	12.9	72.9

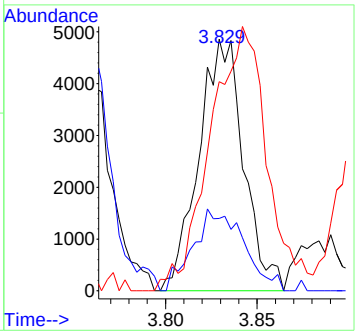


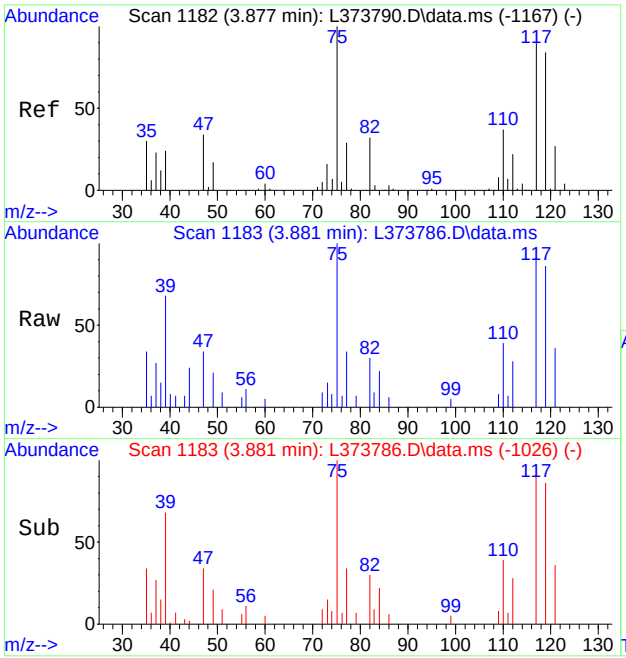


#46
cyclohexane
Concen: 2.61 ug/L
RT: 3.829 min Scan# 1167
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 84 Resp: 8310

Ion	Ratio	Lower	Upper
84	100		
69	28.7	16.2	56.2
41	78.5	73.6	113.6

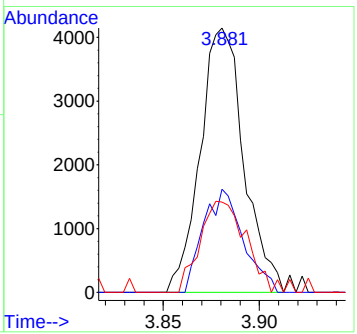


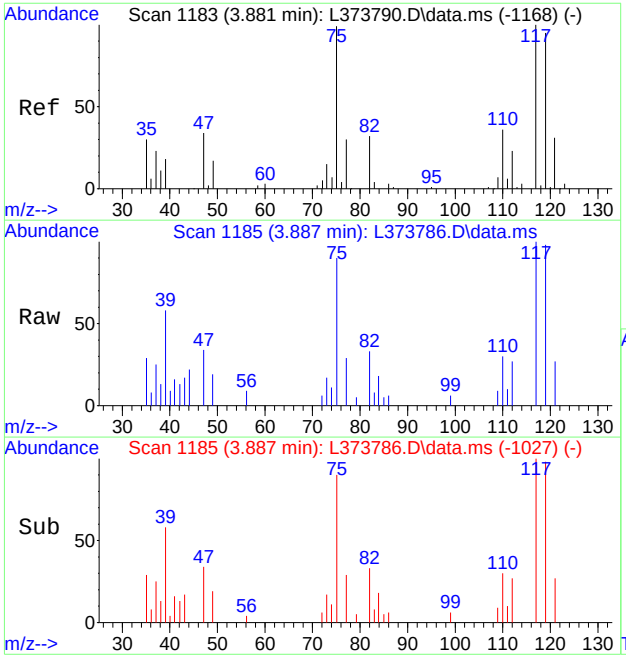


#47
1,1-dichloropropene
Concen: 2.13 ug/L
RT: 3.881 min Scan# 1183
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 75 Resp: 6557

Ion	Ratio	Lower	Upper
75	100		
110	39.0	17.0	57.0
77	34.2	10.2	50.2

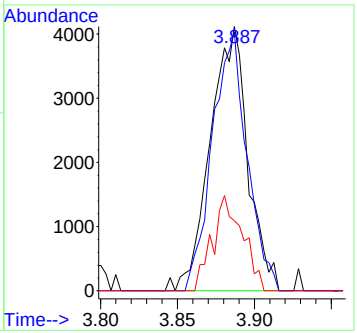


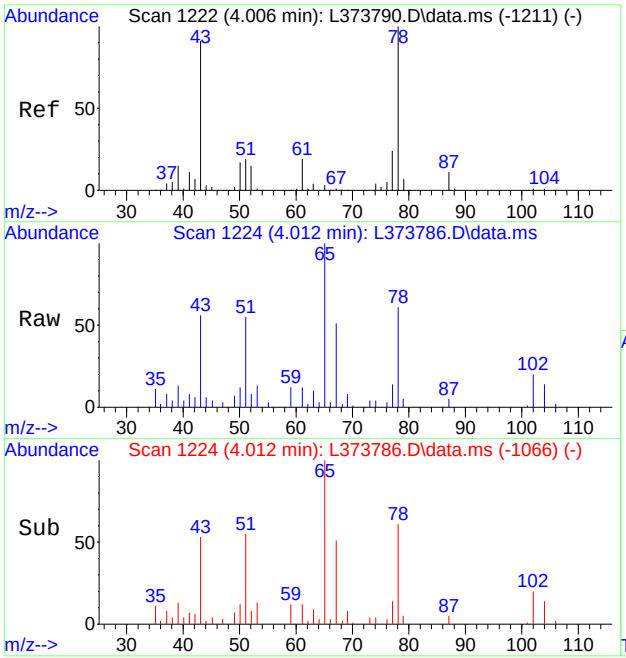


#48
carbon tetrachloride
Concen: 2.28 ug/L
RT: 3.887 min Scan# 1185
Delta R.T. 0.006 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion:117 Resp: 7006

Ion	Ratio	Lower	Upper
117	100		
119	97.9	74.4	114.4
121	26.5	10.8	50.8

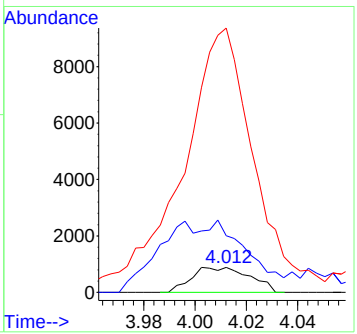


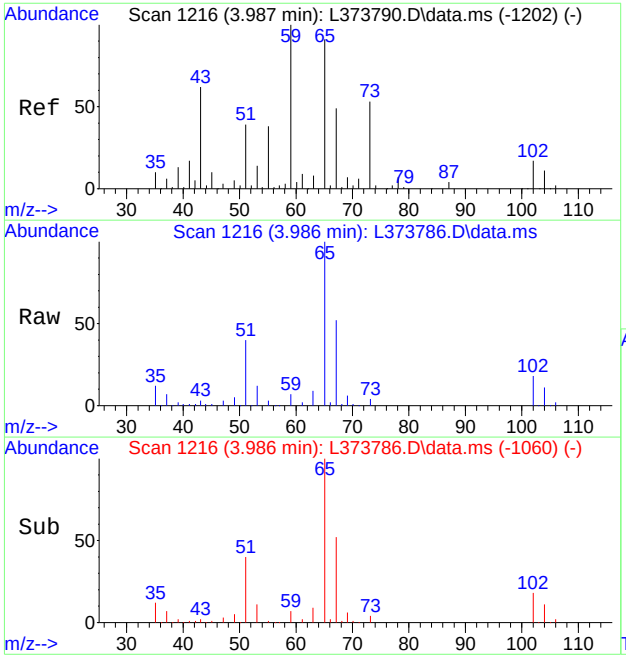


#49
isopropyl acetate
Concen: 1.73 ug/L
RT: 4.012 min Scan# 1224
Delta R.T. 0.006 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 87 Resp: 1398

Ion	Ratio	Lower	Upper
87	100		
61	167.3	152.1	192.1
43	910.3	844.1	904.1#

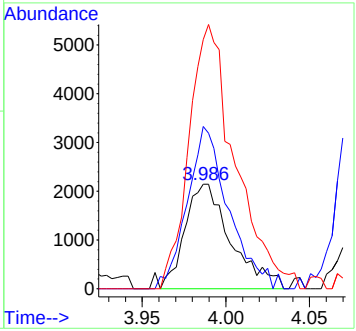


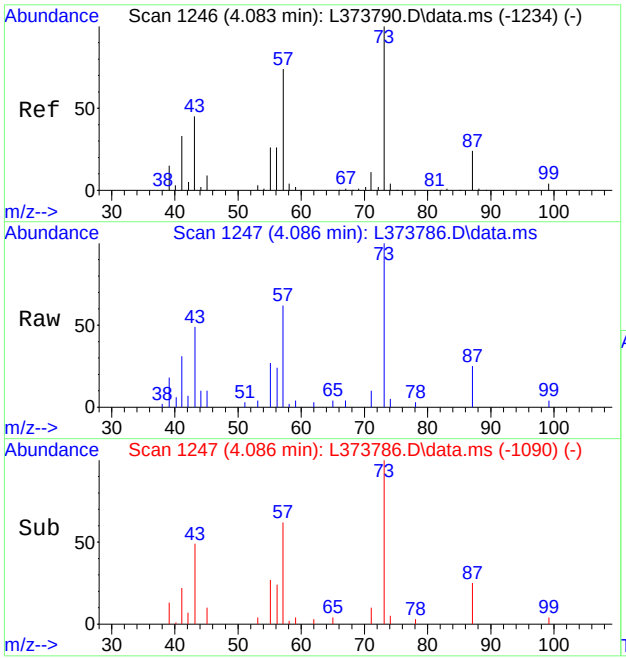


#50
tert amyl alcohol
Concen: 14.30 ug/L
RT: 3.986 min Scan# 1216
Delta R.T. -0.000 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 55 Resp: 4105

Ion	Ratio	Lower	Upper
55	100		
73	155.3	119.2	159.2
59	238.2	242.0	282.0#

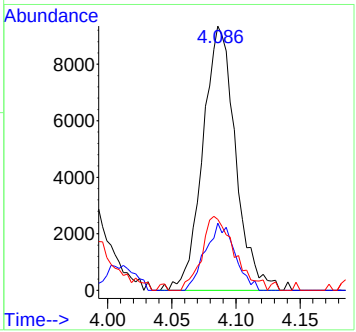


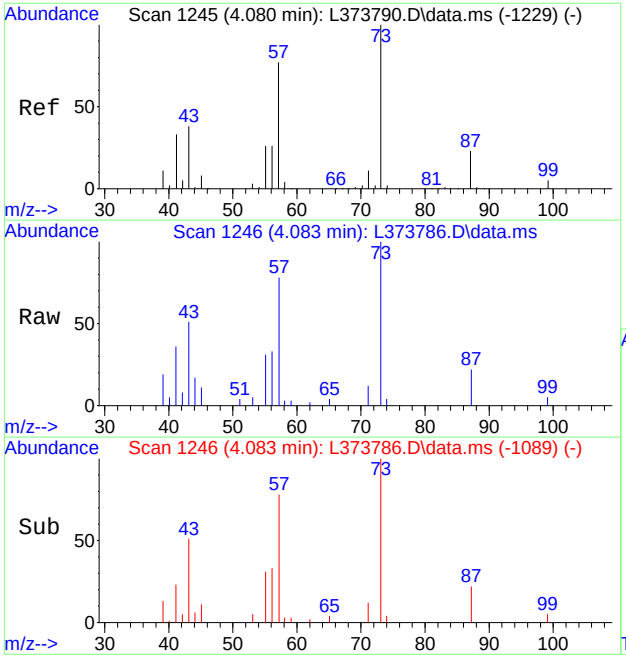


#53
tert-amyl methyl ether
Concen: 2.38 ug/L
RT: 4.086 min Scan# 1247
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 73 Resp: 16608

Ion	Ratio	Lower	Upper
73	100		
87	25.4	4.6	44.6
55	26.9	5.7	45.7

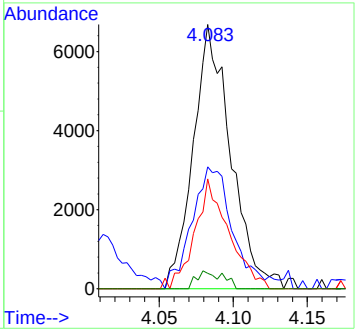


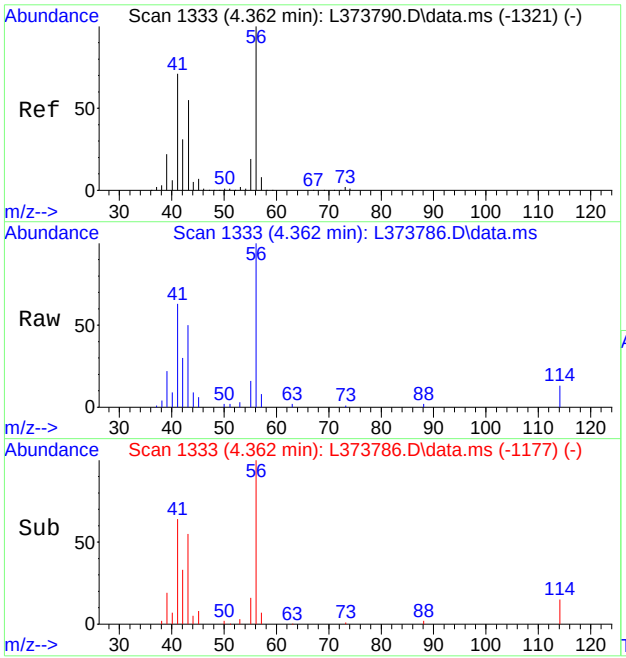


#54
2,2,4-trimethylpentane
Concen: 2.28 ug/L
RT: 4.083 min Scan# 1246
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 57 Resp: 11786

Ion	Ratio	Lower	Upper
57	100		
41	42.9	25.1	65.1
56	41.6	13.8	53.8
99	5.9	0.0	25.9

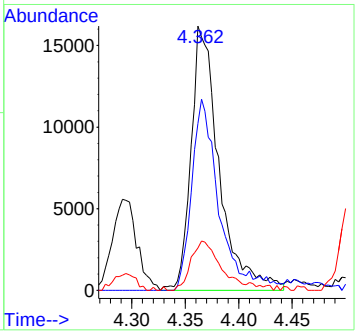


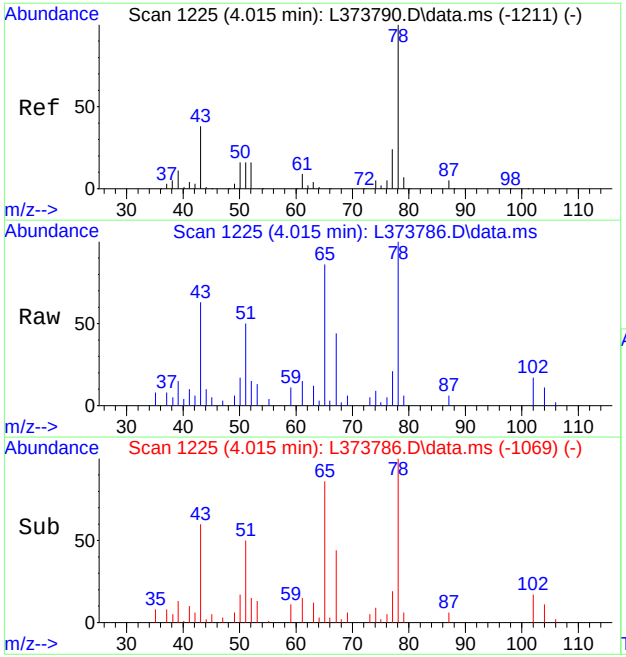


#55
n-butyl alcohol
Concen: 145.90 ug/L
RT: 4.362 min Scan# 1333
Delta R.T. -0.000 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 56 Resp: 29580

Ion	Ratio	Lower	Upper
56	100		
41	63.1	40.6	100.6
55	16.0	0.0	49.1

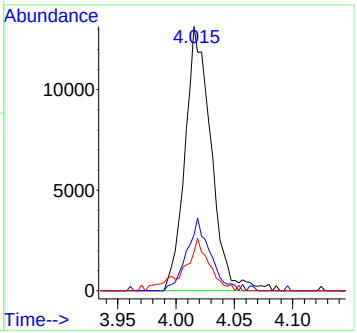


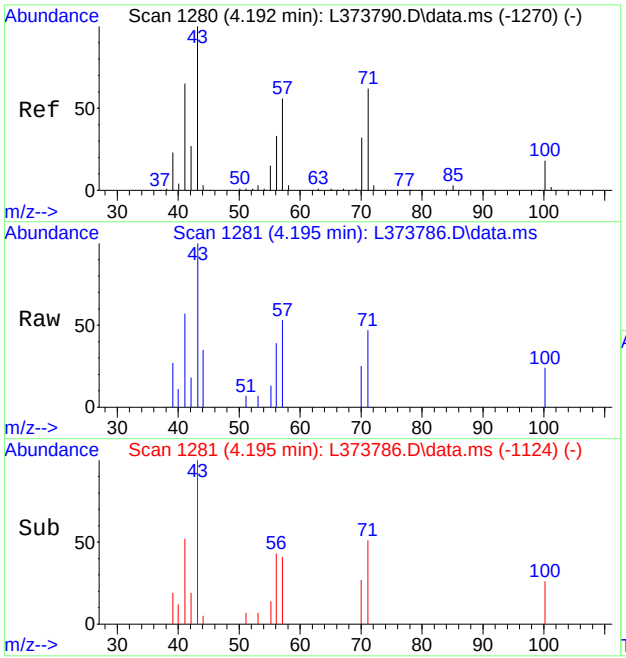


#56
benzene
Concen: 2.05 ug/L
RT: 4.015 min Scan# 1225
Delta R.T. -0.000 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 78 Resp: 20613

Ion	Ratio	Lower	Upper
78	100		
77	21.1	0.0	53.5
52	14.7	0.0	46.2

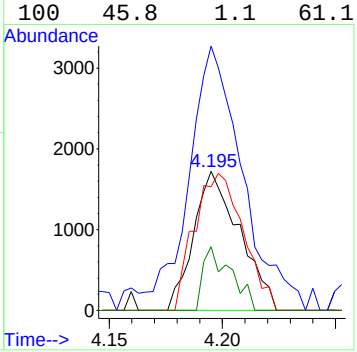


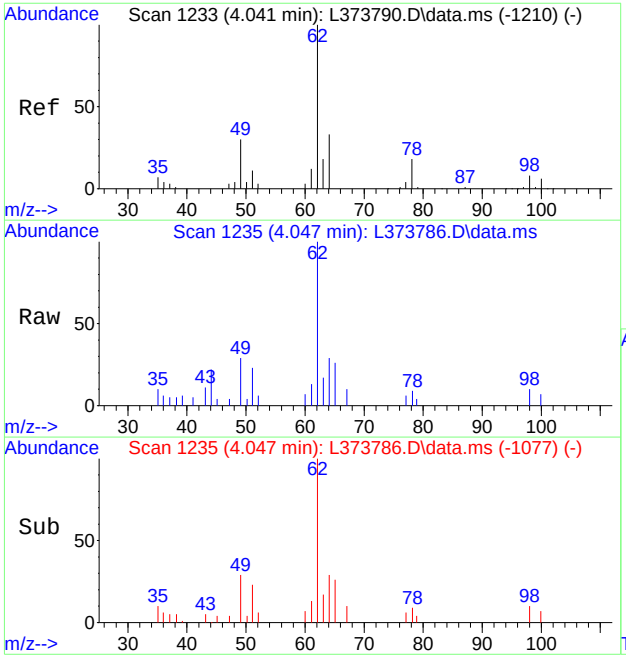


#57
heptane
Concen: 2.35 ug/L
RT: 4.195 min Scan# 1281
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 57 Resp: 2422

Ion	Ratio	Lower	Upper
57	100		
43	167.6	146.8	206.8
71	89.1	78.5	138.5
100	45.8	1.1	61.1

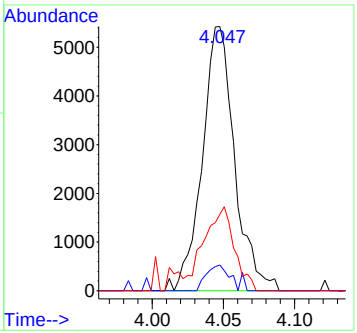


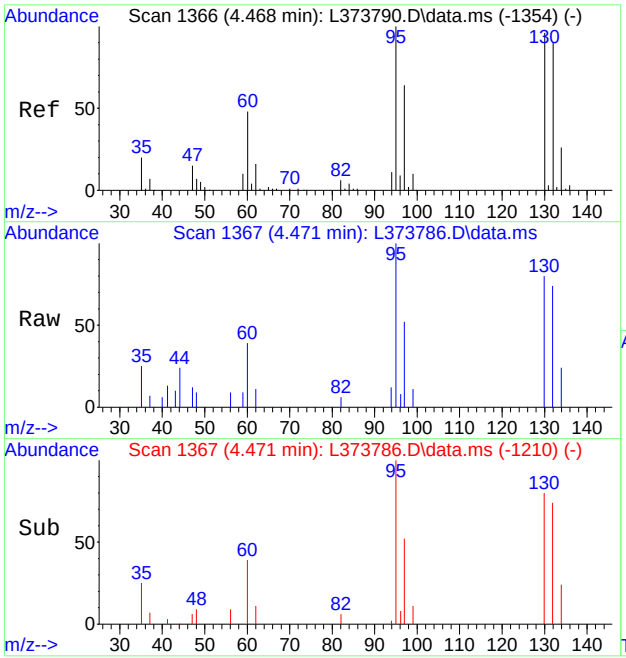


#58
1,2-dichloroethane
Concen: 2.31 ug/L
RT: 4.047 min Scan# 1235
Delta R.T. 0.006 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 62 Resp: 8578

Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	38.1
64	28.8	2.8	62.8

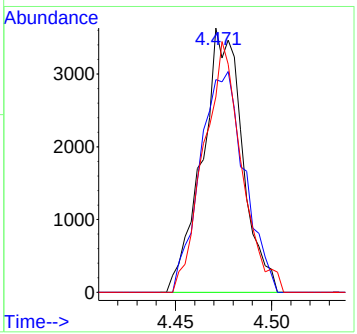


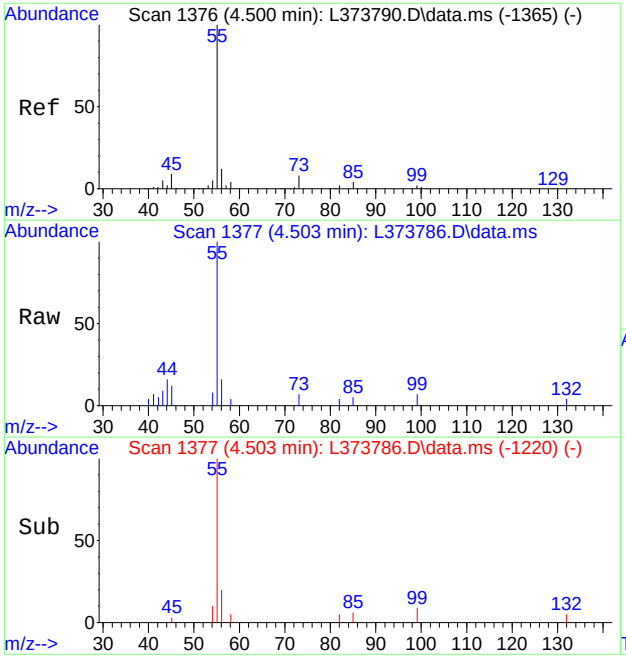


#59
trichloroethene
Concen: 2.22 ug/L
RT: 4.471 min Scan# 1367
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 95 Resp: 5293

Ion	Ratio	Lower	Upper
95	100		
130	80.5	65.5	125.5
132	73.9	59.7	119.7

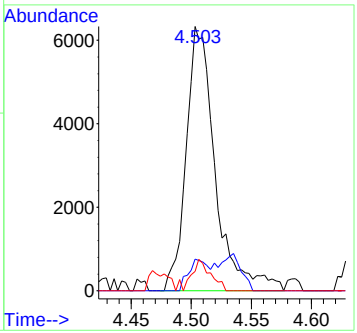


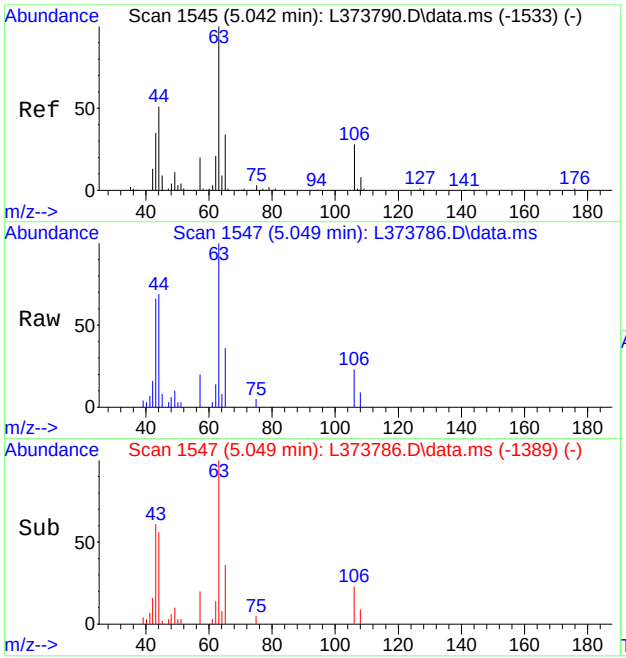


#60
ethyl acrylate
Concen: 2.44 ug/L
RT: 4.503 min Scan# 1377
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 55 Resp: 10640

Ion	Ratio	Lower	Upper
55	100		
45	12.0	0.0	28.6
99	7.4	0.0	27.8

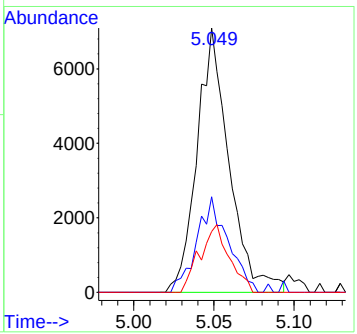


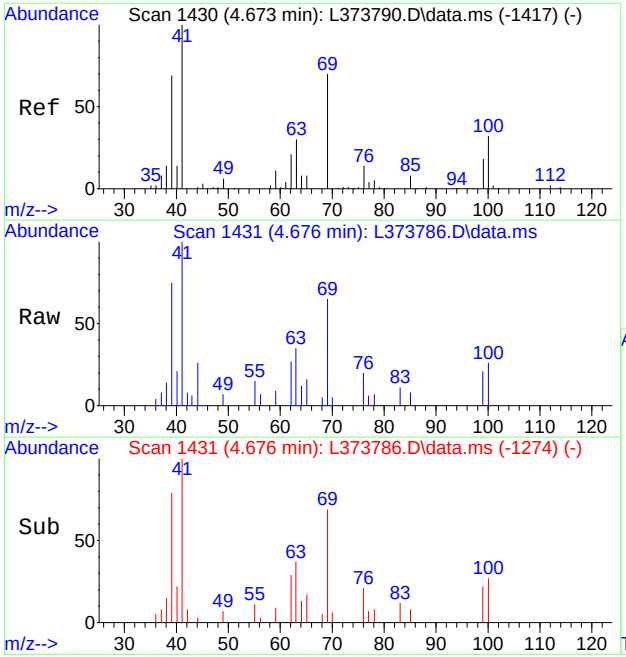


#62
2-chloroethyl vinyl ether
Concen: 11.99 ug/L
RT: 5.049 min Scan# 1547
Delta R.T. 0.006 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 63 Resp: 9888

Ion	Ratio	Lower	Upper
63	100		
65	36.1	3.9	63.9
106	23.0	0.0	57.6

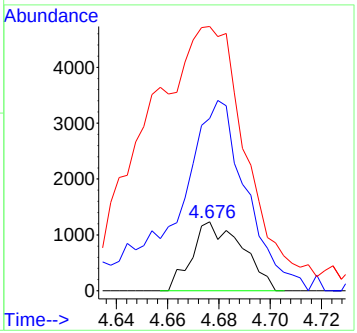


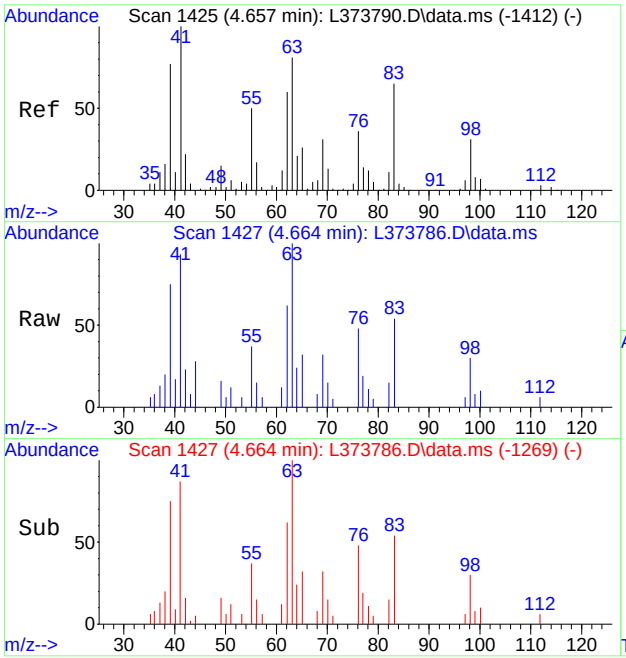


#63
methyl methacrylate
Concen: 1.92 ug/L
RT: 4.676 min Scan# 1431
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion:100 Resp: 1679

Ion	Ratio	Lower	Upper
100	100		
69	222.9	221.2	281.2
41	332.2	360.4	420.4#

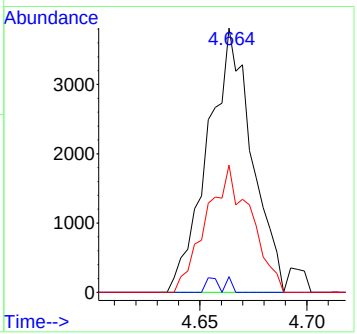


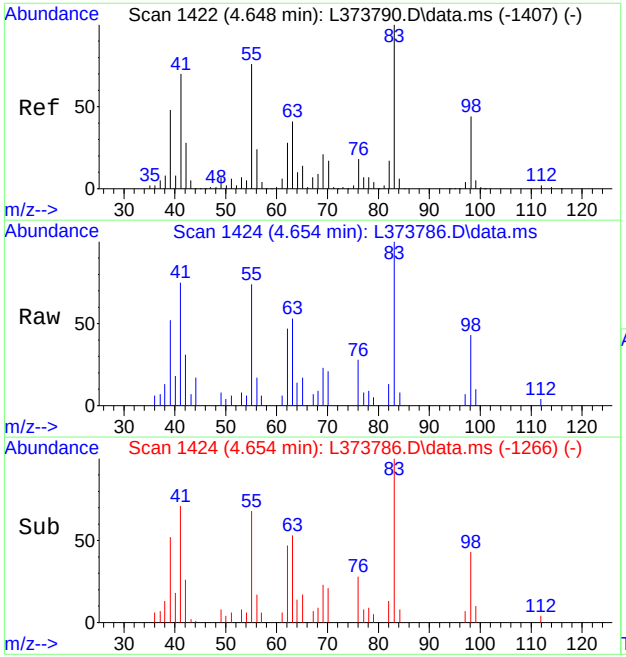


#64
1,2-dichloropropane
Concen: 2.23 ug/L
RT: 4.664 min Scan# 1427
Delta R.T. 0.006 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 63 Resp: 5496

Ion	Ratio	Lower	Upper
63	100		
112	5.9	0.0	34.1
76	48.1	14.3	74.3

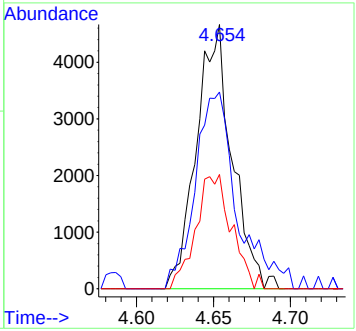


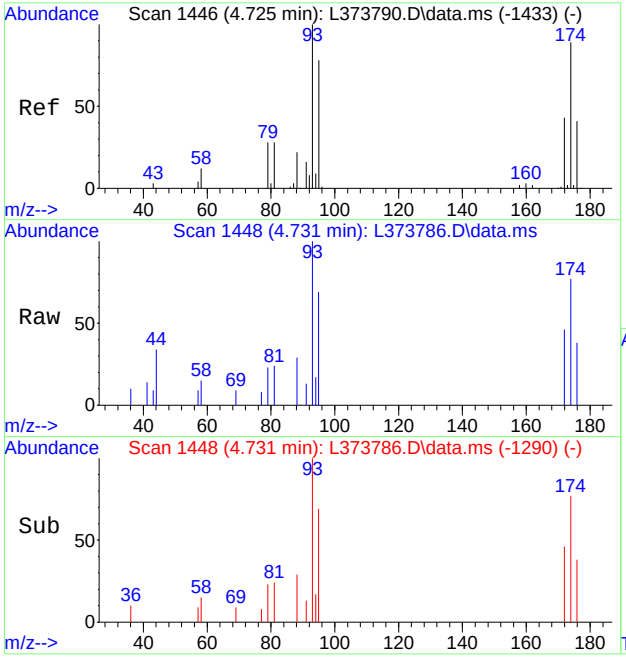


#65
methylcyclohexane
Concen: 2.45 ug/L
RT: 4.654 min Scan# 1424
Delta R.T. 0.006 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 83 Resp: 7535

Ion	Ratio	Lower	Upper
83	100		
55	74.4	46.3	106.3
98	43.3	13.7	73.7

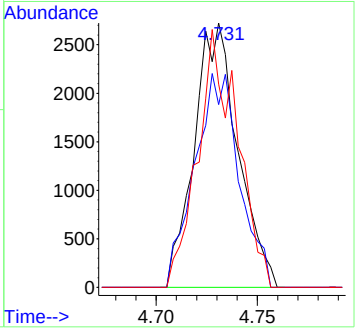


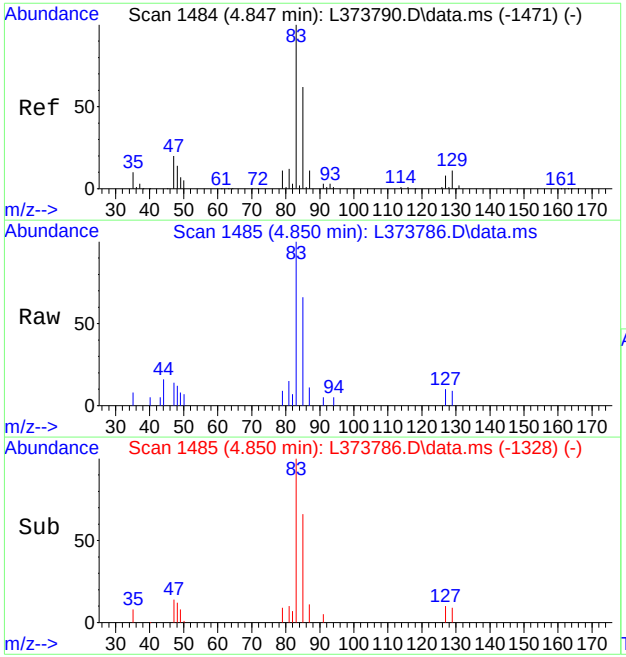


#66
dibromomethane
Concen: 2.42 ug/L
RT: 4.731 min Scan# 1448
Delta R.T. 0.006 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 93 Resp: 4088

Ion	Ratio	Lower	Upper
93	100		
95	69.1	48.3	108.3
174	76.9	59.2	119.2

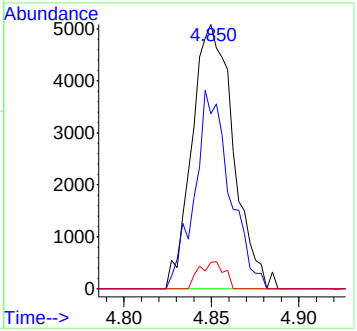


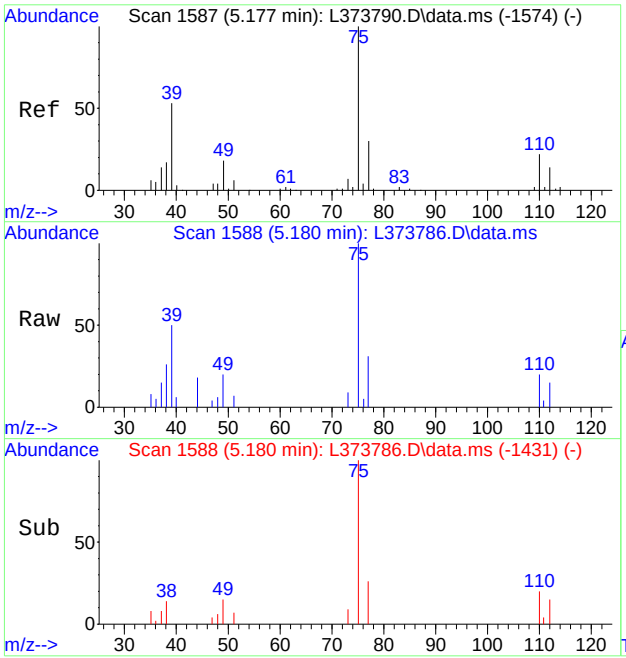


#67
bromodichloromethane
Concen: 2.43 ug/L
RT: 4.850 min Scan# 1485
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 83 Resp: 8361

Ion	Ratio	Lower	Upper
83	100		
85	66.1	31.5	91.5
127	9.9	0.0	38.3

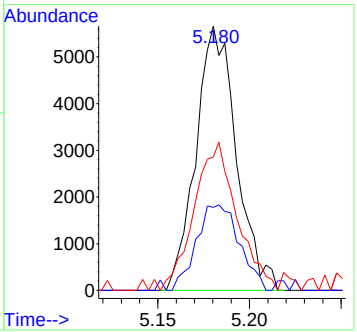


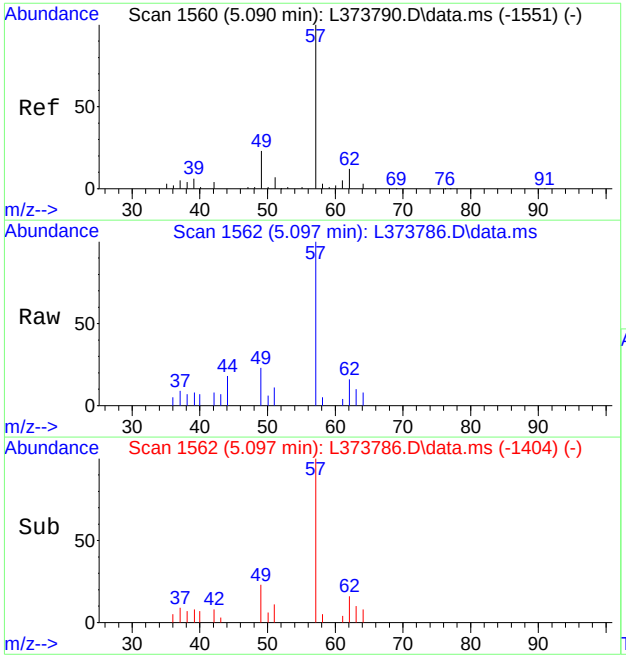


#68
cis-1,3-dichloropropene
Concen: 2.17 ug/L
RT: 5.180 min Scan# 1588
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 75 Resp: 8742

Ion	Ratio	Lower	Upper
75	100		
77	27.9	0.1	60.1
39	50.5	23.1	83.1

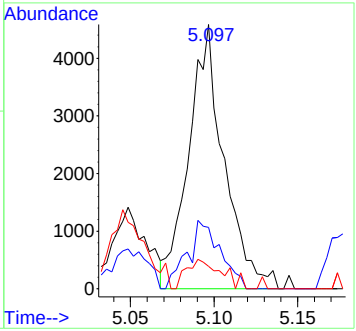


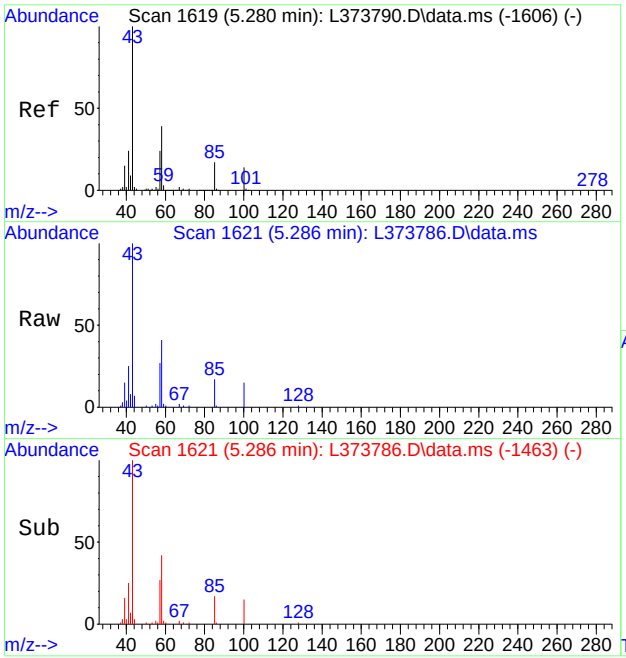


#69
epichlorohydrin
Concen: 13.85 ug/L
RT: 5.097 min Scan# 1562
Delta R.T. 0.006 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 57 Resp: 6744

Ion	Ratio	Lower	Upper
57	100		
49	23.3	1.0	41.0
42	8.5	0.0	29.5

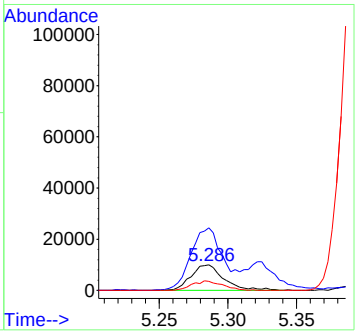


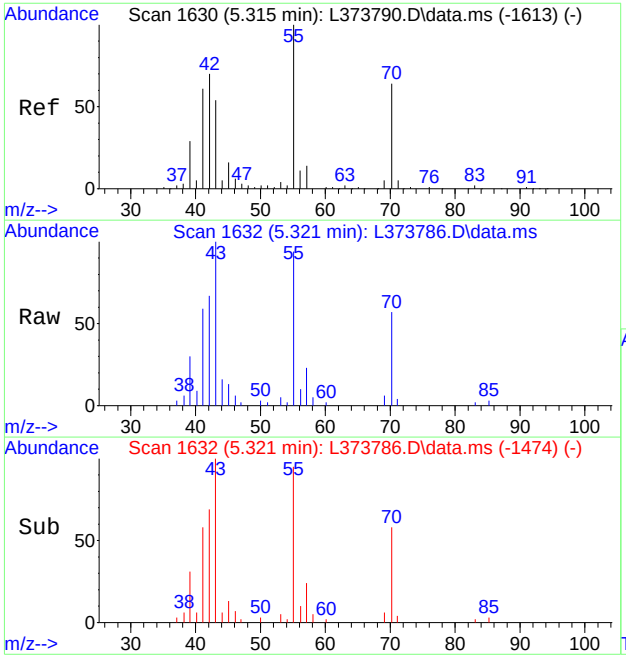


#70
4-methyl-2-pentanone
Concen: 10.68 ug/L
RT: 5.286 min Scan# 1621
Delta R.T. 0.006 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 58 Resp: 16513

Ion	Ratio	Lower	Upper
58	100		
43	242.6	233.3	273.3
100	35.6	15.2	55.2

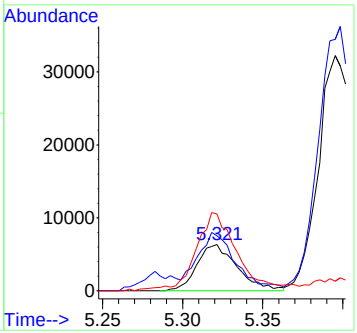


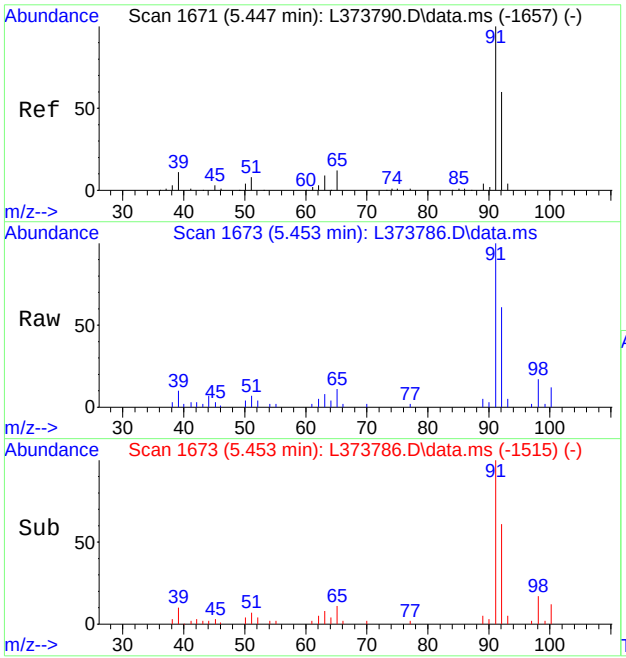


#71
3-methyl-1-butanol
Concen: 59.62 ug/L
RT: 5.321 min Scan# 1632
Delta R.T. 0.006 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 70 Resp: 11108

Ion	Ratio	Lower	Upper
70	100		
42	110.1	94.2	134.2
55	158.6	137.5	177.5

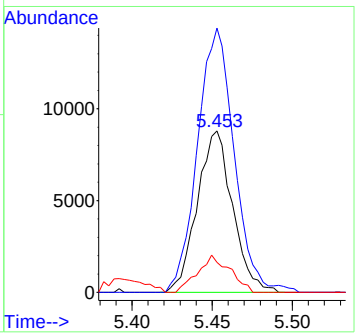


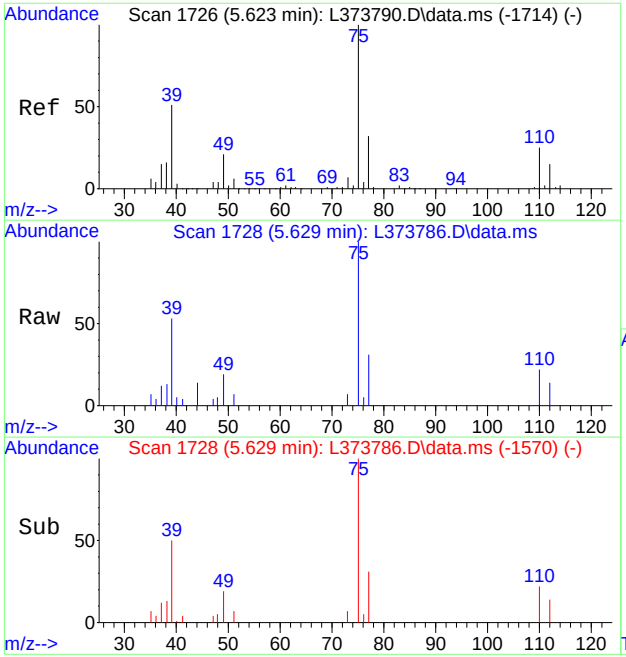


#74
toluene
Concen: 2.12 ug/L
RT: 5.453 min Scan# 1673
Delta R.T. 0.006 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 92 Resp: 13523

Ion	Ratio	Lower	Upper
92	100		
91	163.7	136.7	196.7
65	18.6	0.0	50.8

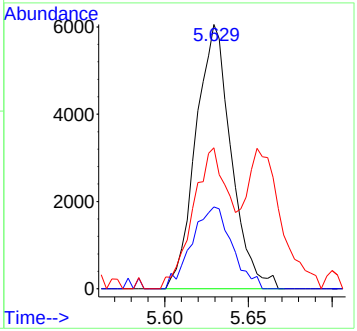


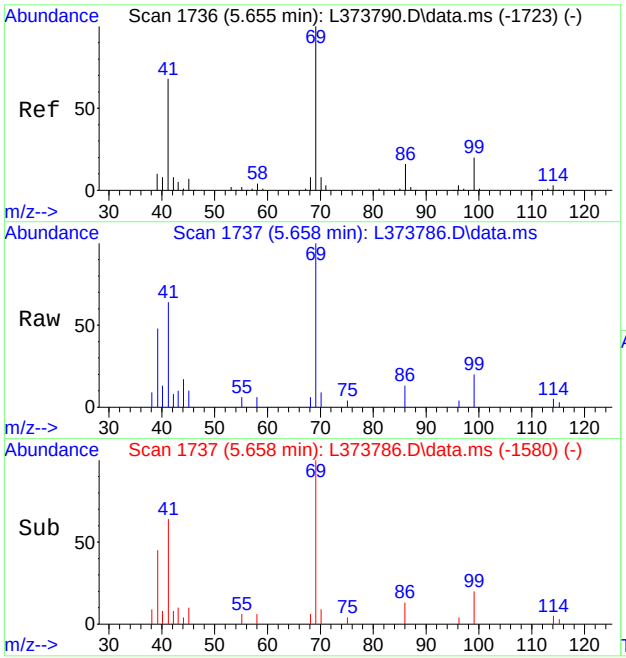


#75
trans-1,3-dichloropropene
Concen: 2.40 ug/L
RT: 5.629 min Scan# 1728
Delta R.T. 0.006 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 75 Resp: 8914

Ion	Ratio	Lower	Upper
75	100		
77	31.0	1.7	61.7
39	53.3	20.7	80.7

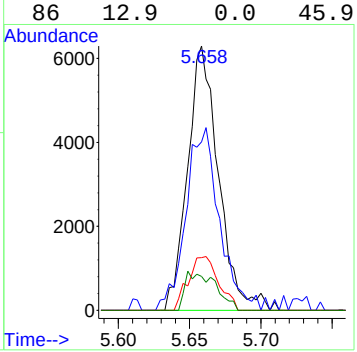


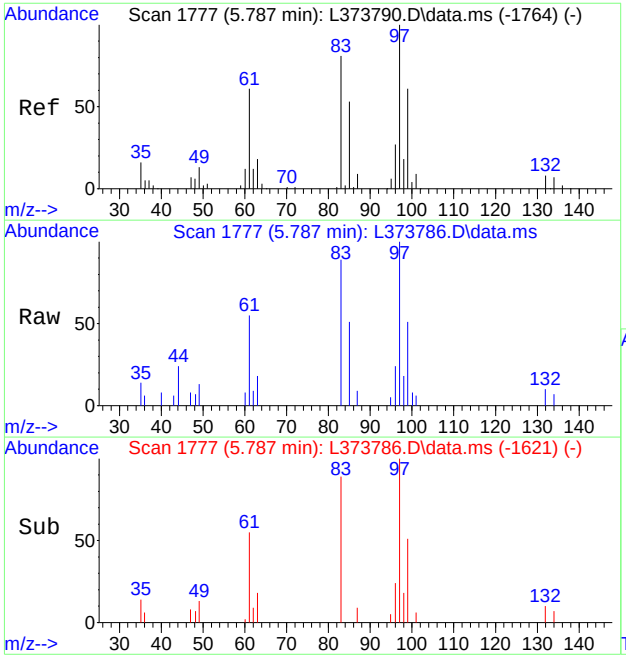


#76
ethyl methacrylate
Concen: 2.39 ug/L
RT: 5.658 min Scan# 1737
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 69 Resp: 9536

Ion	Ratio	Lower	Upper
69	100		
41	59.8	38.9	98.9
99	20.0	0.0	50.4
86	12.9	0.0	45.9

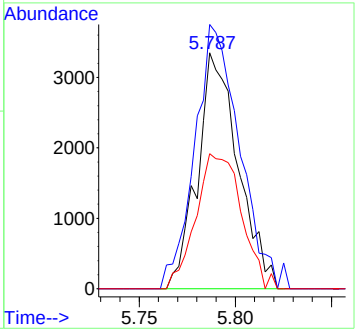


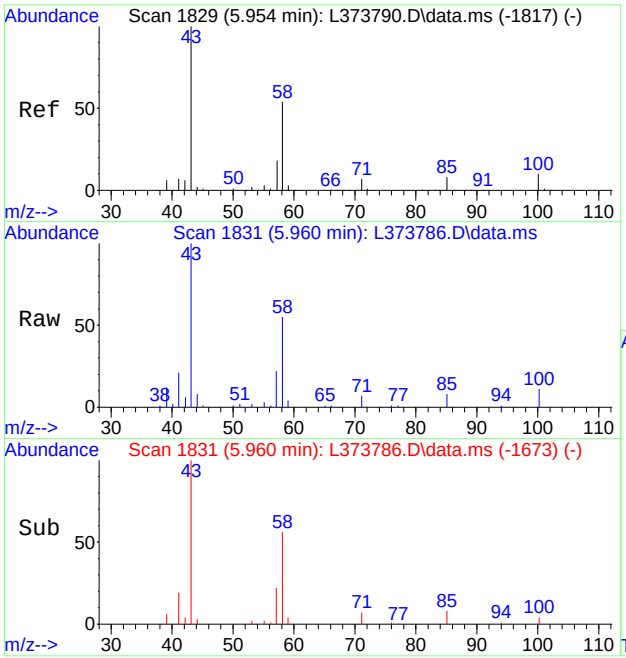


#77
1,1,2-trichloroethane
Concen: 2.52 ug/L
RT: 5.787 min Scan# 1777
Delta R.T. -0.000 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 83 Resp: 4941

Ion	Ratio	Lower	Upper
83	100		
97	112.1	93.6	153.6
85	57.3	35.4	95.4

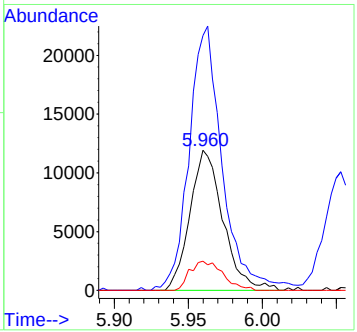


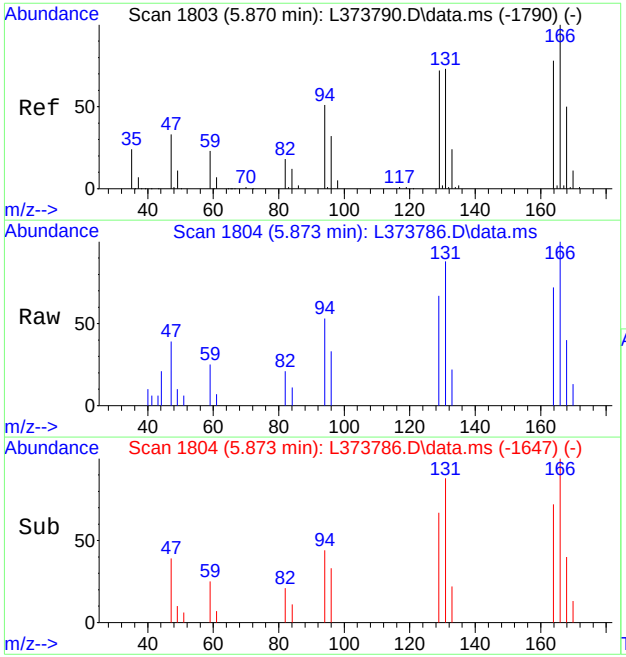


#78
2-hexanone
Concen: 10.72 ug/L
RT: 5.960 min Scan# 1831
Delta R.T. 0.006 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 58 Resp: 18559

Ion	Ratio	Lower	Upper
58	100		
43	179.6	154.6	214.6
100	20.9	0.0	49.0

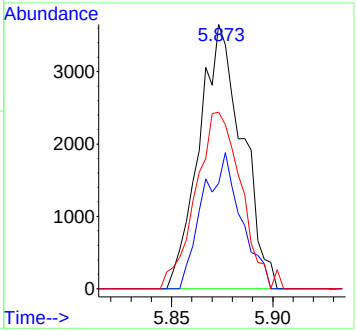


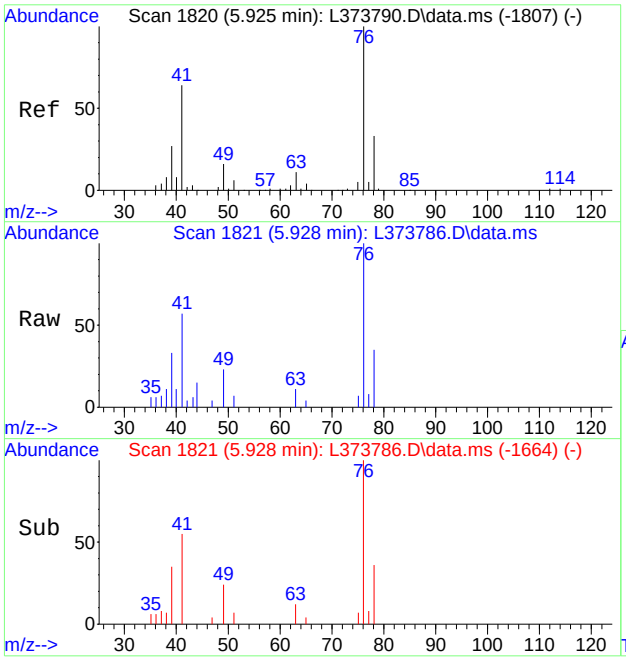


#79
tetrachloroethene
Concen: 2.22 ug/L
RT: 5.873 min Scan# 1804
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion:166 Resp: 5423

Ion	Ratio	Lower	Upper
166	100		
168	39.9	19.7	79.7
129	66.7	42.4	102.4

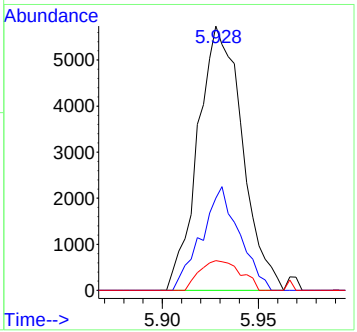


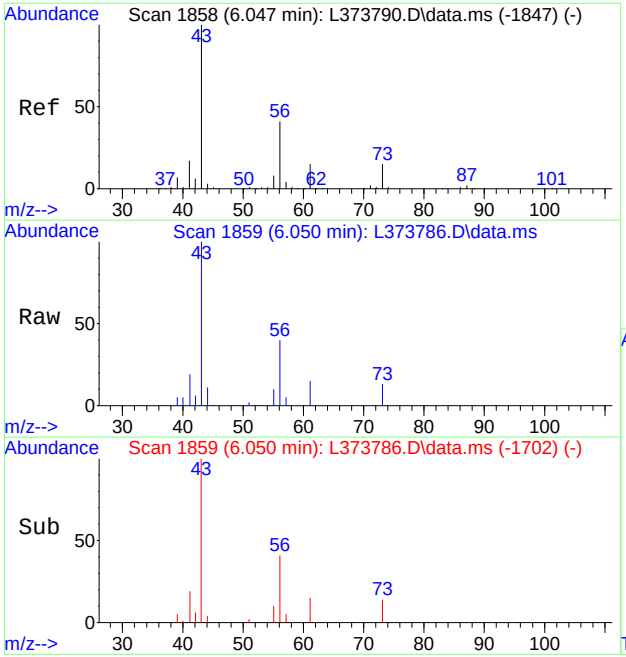


#80
1,3-dichloropropane
Concen: 2.43 ug/L
RT: 5.928 min Scan# 1821
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 76 Resp: 9204

Ion	Ratio	Lower	Upper
76	100		
78	34.9	2.7	62.7
63	11.2	0.0	41.2

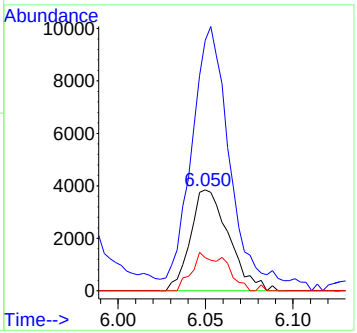


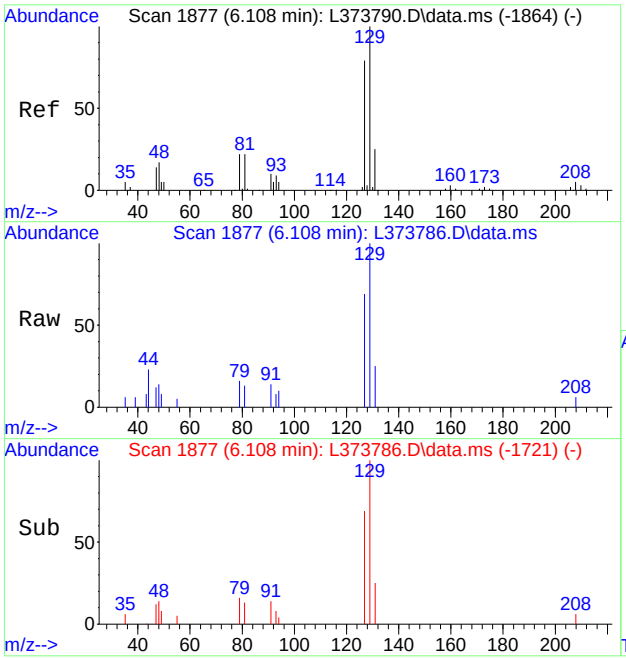


#81
butyl acetate
Concen: 2.49 ug/L
RT: 6.050 min Scan# 1859
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 56 Resp: 5872

Ion	Ratio	Lower	Upper
56	100		
43	238.3	218.3	278.3
73	33.0	7.2	67.2

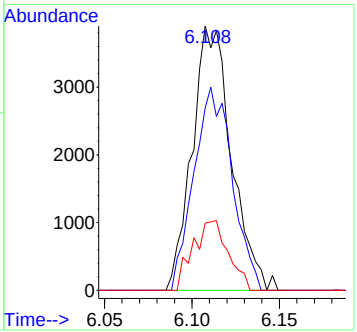


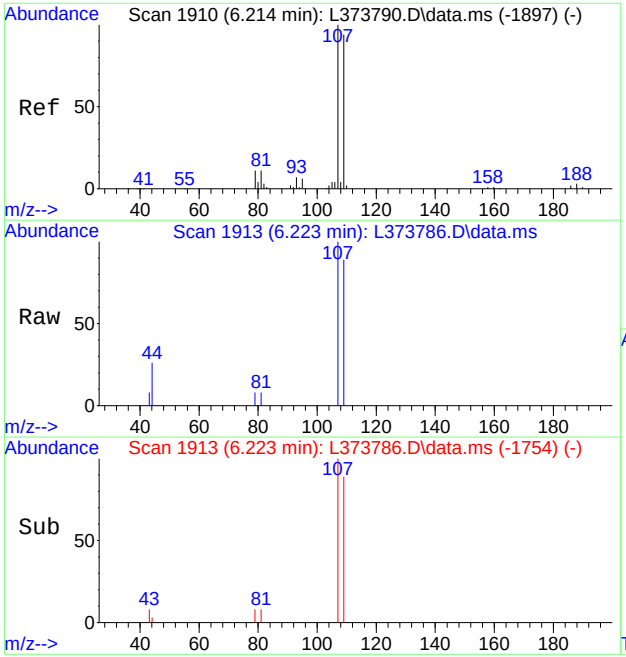


#82
dibromochloromethane
Concen: 2.31 ug/L
RT: 6.108 min Scan# 1877
Delta R.T. -0.000 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion:129 Resp: 6092

Ion	Ratio	Lower	Upper
129	100		
127	69.0	49.0	109.0
131	25.4	0.0	54.6

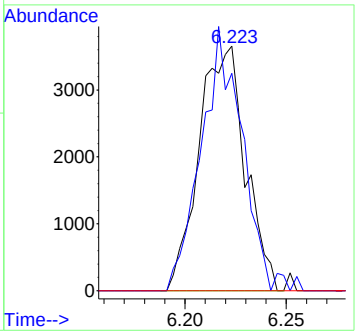


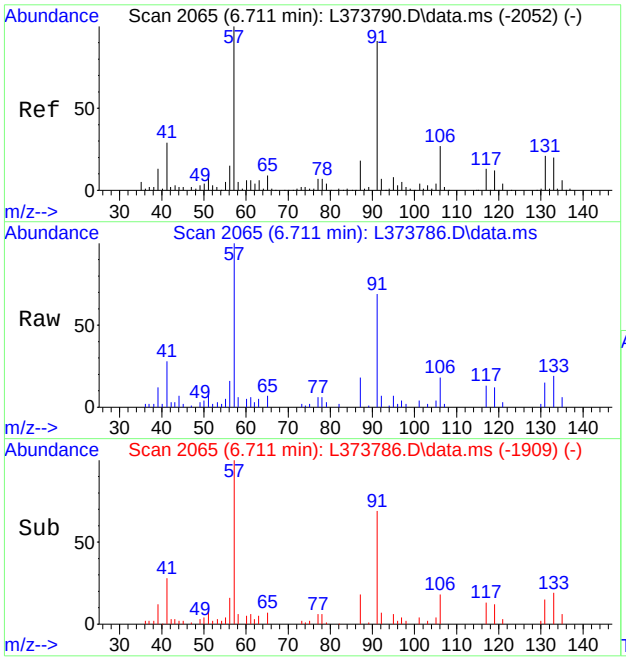


#83
1,2-dibromoethane
Concen: 2.39 ug/L
RT: 6.223 min Scan# 1913
Delta R.T. 0.009 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion:107 Resp: 5814

Ion	Ratio	Lower	Upper
107	100		
109	88.9	63.9	123.9
188	0.0	0.0	33.4

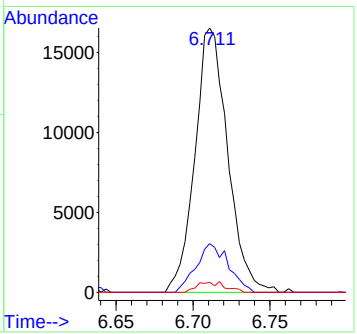


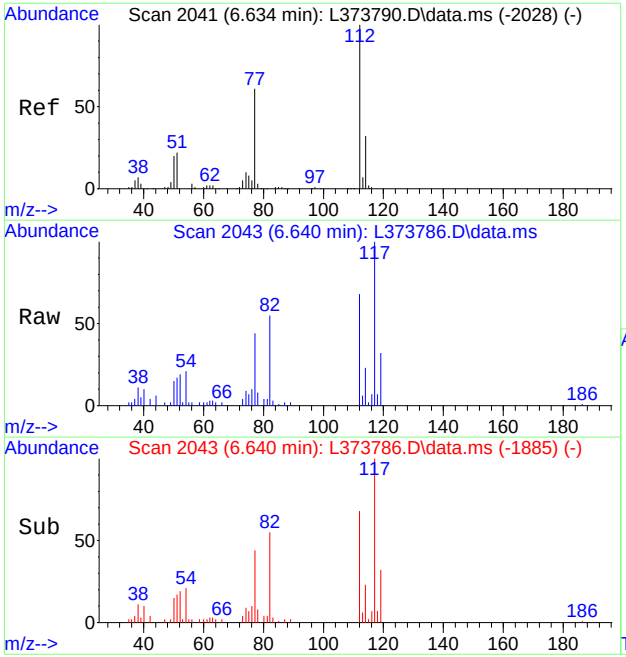


#84
n-butyl ether
Concen: 2.38 ug/L
RT: 6.711 min Scan# 2065
Delta R.T. -0.000 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 57 Resp: 24500

Ion	Ratio	Lower	Upper
57	100		
87	18.5	0.0	47.8
101	3.9	0.0	34.2

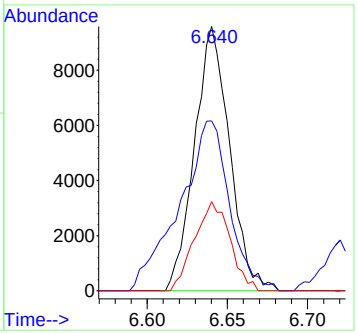


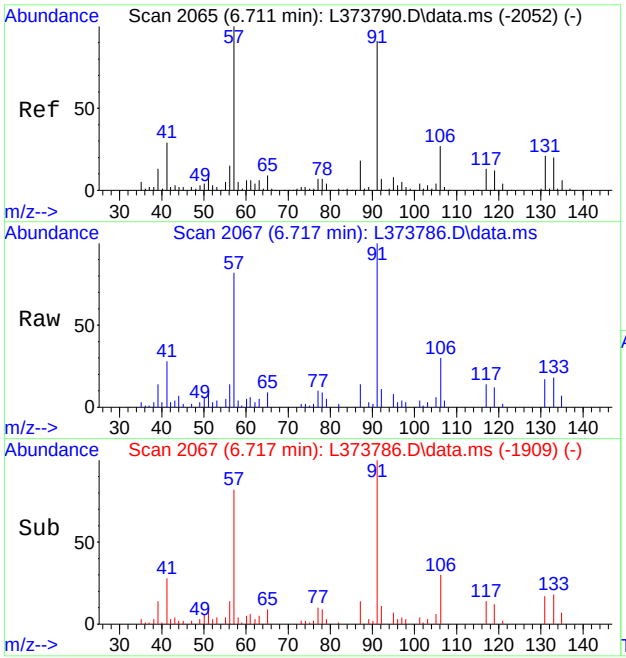


#85
chlorobenzene
Concen: 2.23 ug/L
RT: 6.640 min Scan# 2043
Delta R.T. 0.006 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion:112 Resp: 14599

Ion	Ratio	Lower	Upper
112	100		
77	64.2	30.8	90.8
114	33.7	2.4	62.4

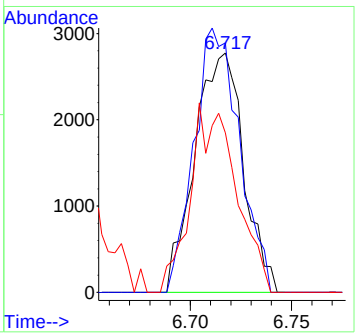


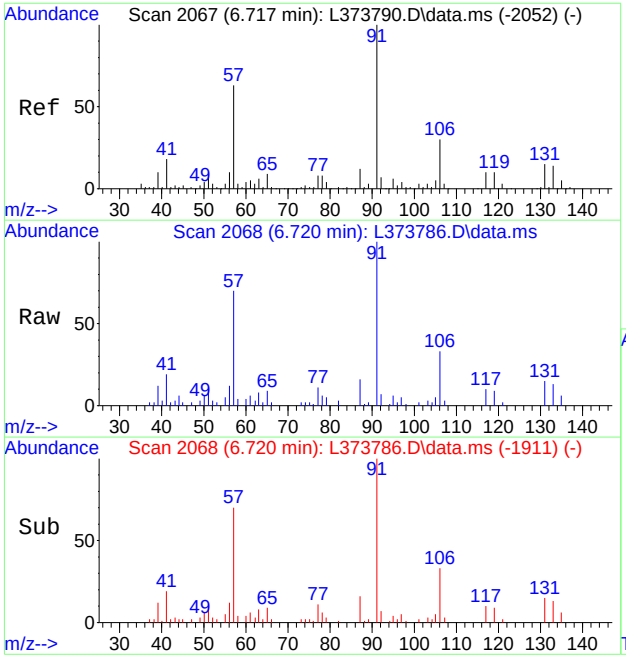


#86
1,1,1,2-tetrachloroethane
Concen: 2.23 ug/L
RT: 6.717 min Scan# 2067
Delta R.T. 0.006 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion:131 Resp: 4650

Ion	Ratio	Lower	Upper
131	100		
133	104.3	65.1	125.1
119	66.7	30.8	90.8

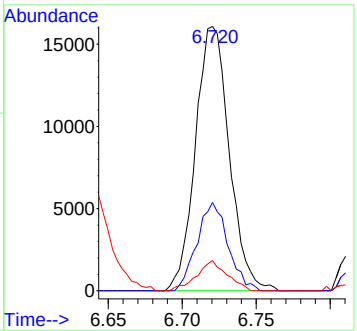


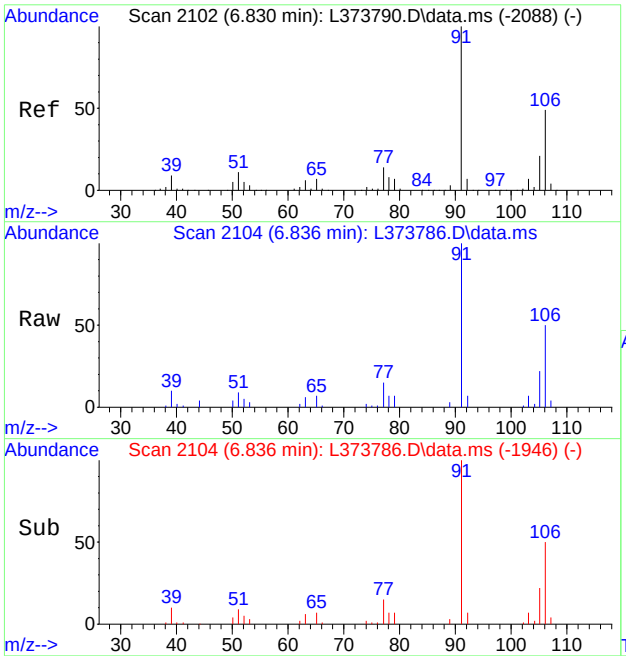


#87
ethylbenzene
Concen: 2.31 ug/L
RT: 6.720 min Scan# 2068
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 91 Resp: 25589

Ion	Ratio	Lower	Upper
91	100		
106	33.4	0.1	60.1
77	11.5	0.0	38.6

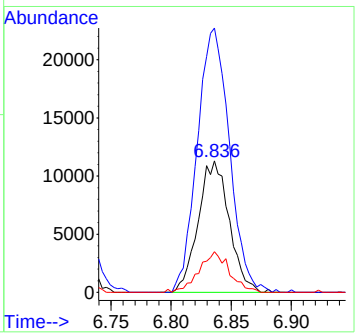


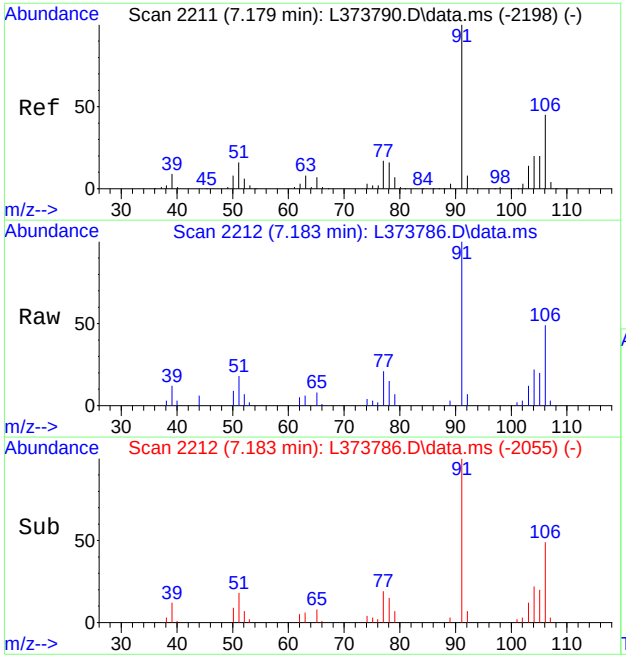


#88
m,p-xylene
Concen: 4.71 ug/L
RT: 6.836 min Scan# 2104
Delta R.T. 0.006 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion:106 Resp: 20254

Ion	Ratio	Lower	Upper
106	100		
91	201.2	175.7	235.7
77	31.0	8.1	48.1

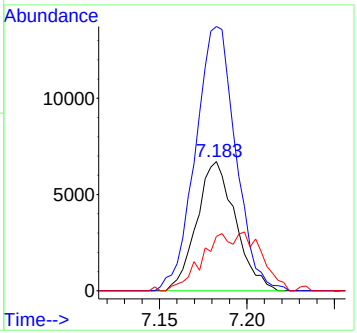


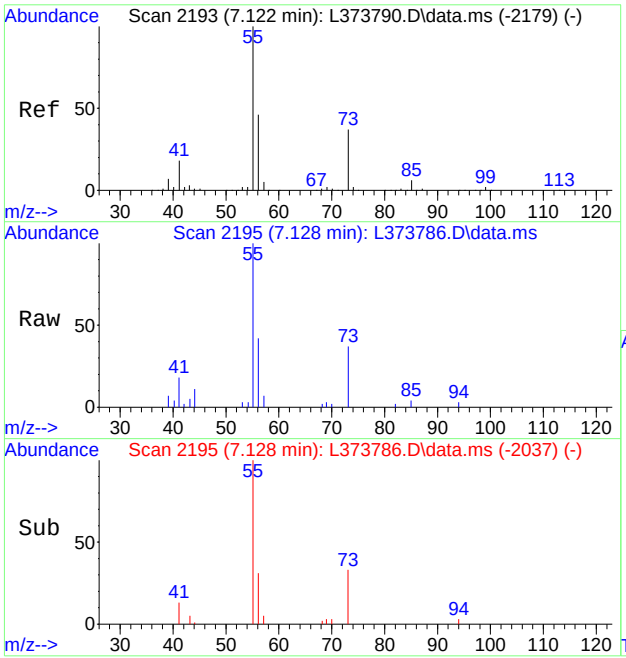


#89
o-xylene
Concen: 2.47 ug/L
RT: 7.183 min Scan# 2212
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion:106 Resp: 10356

Ion	Ratio	Lower	Upper
106	100		
91	201.5	194.5	254.5
77	42.0	18.1	58.1

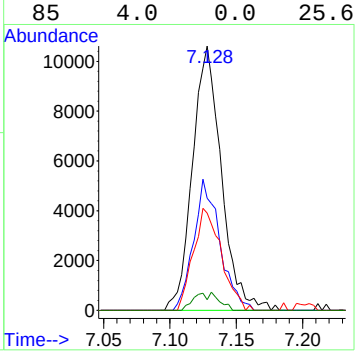


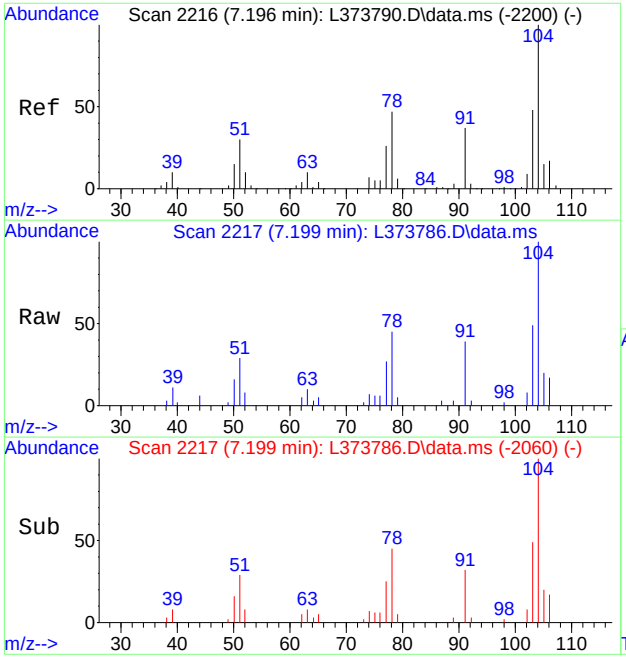


#90
butyl acrylate
Concen: 2.52 ug/L
RT: 7.128 min Scan# 2195
Delta R.T. 0.006 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 55 Resp: 16092

Ion	Ratio	Lower	Upper
55	100		
56	42.4	26.3	66.3
73	36.8	17.5	57.5
85	4.0	0.0	25.6

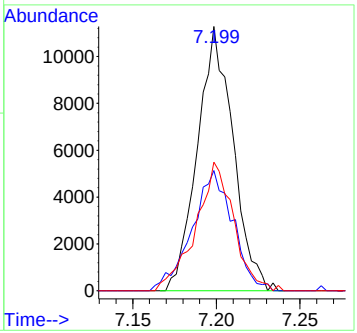


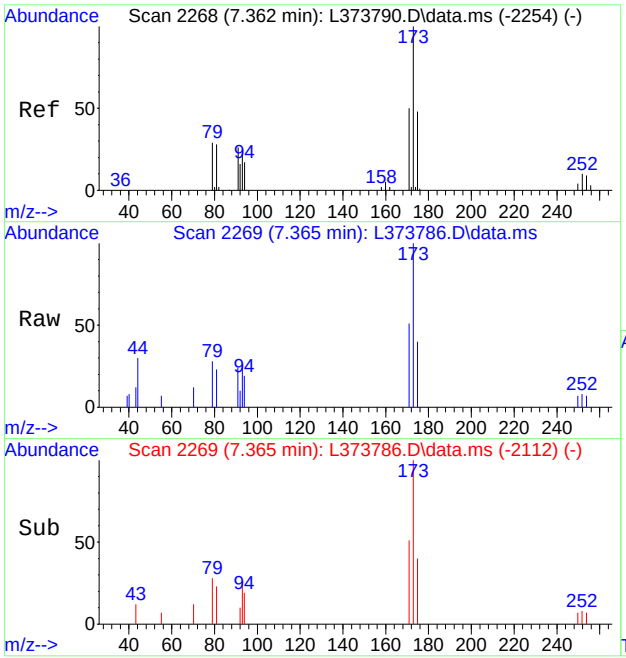


#91
styrene
Concen: 2.41 ug/L
RT: 7.199 min Scan# 2217
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion:104 Resp: 16762

Ion	Ratio	Lower	Upper
104	100		
78	45.4	16.8	76.8
103	48.7	17.7	77.7

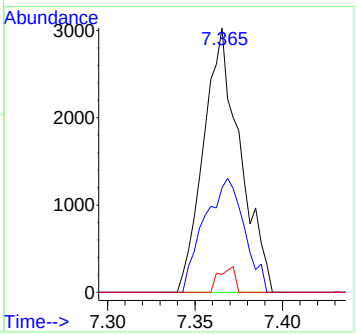


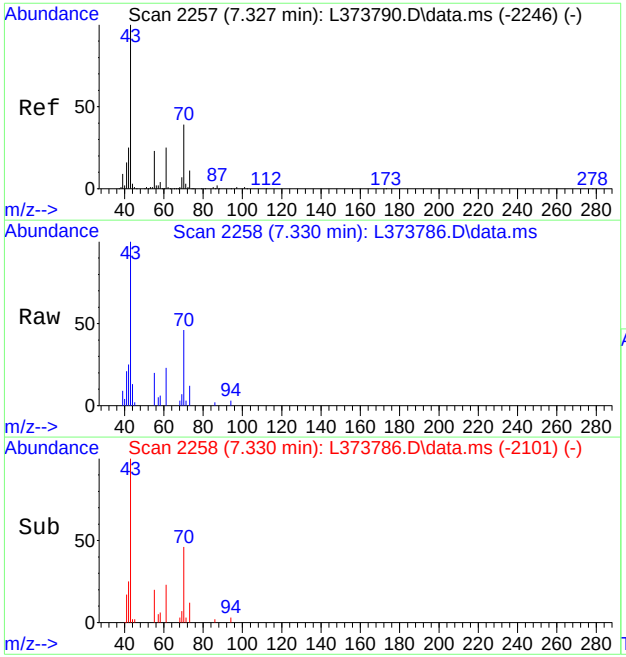


#92
bromoform
Concen: 2.34 ug/L
RT: 7.365 min Scan# 2269
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion:173 Resp: 4383

Ion	Ratio	Lower	Upper
173	100		
175	39.6	17.8	77.8
254	6.8	0.0	39.4

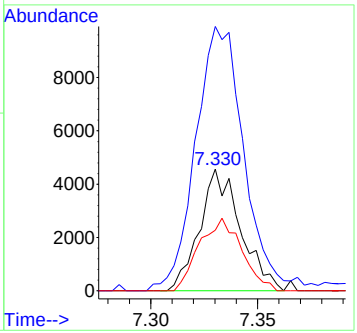


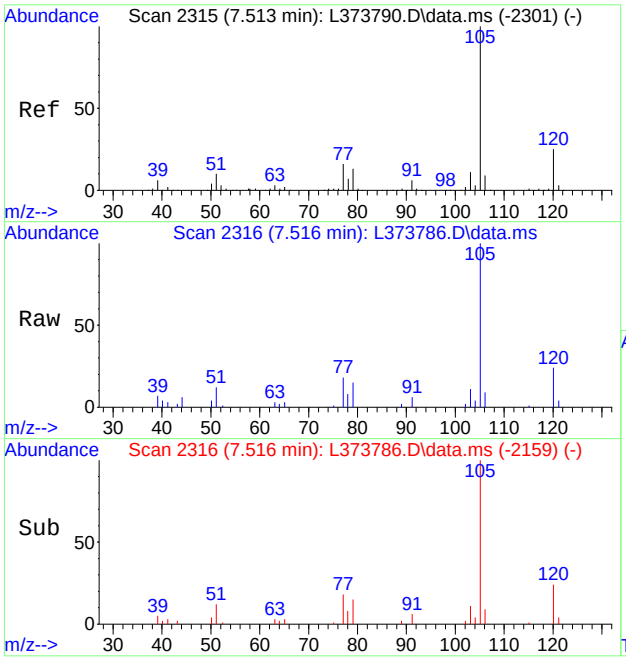


#93
n-amyl acetate
Concen: 2.57 ug/L
RT: 7.330 min Scan# 2258
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 70 Resp: 6090

Ion	Ratio	Lower	Upper
70	100		
43	211.6	233.4	273.4#
61	49.9	42.6	82.6

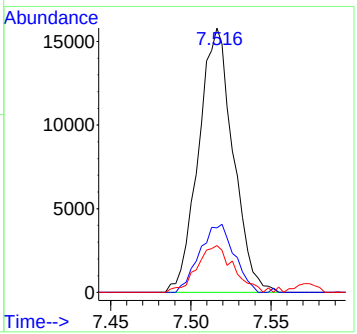


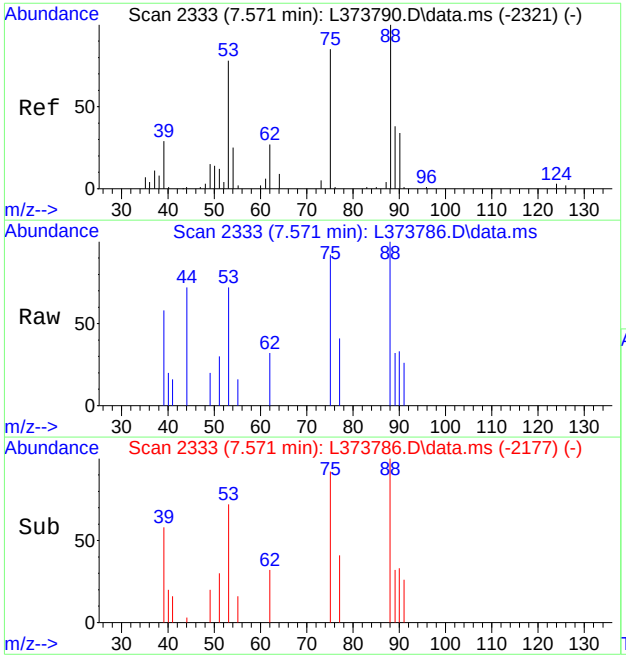


#94
isopropylbenzene
Concen: 2.36 ug/L
RT: 7.516 min Scan# 2316
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion:105 Resp: 23741

Ion	Ratio	Lower	Upper
105	100		
120	24.3	5.2	45.2
77	17.7	0.0	36.2

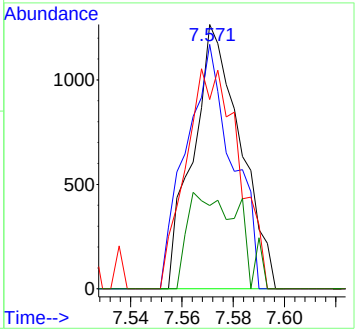


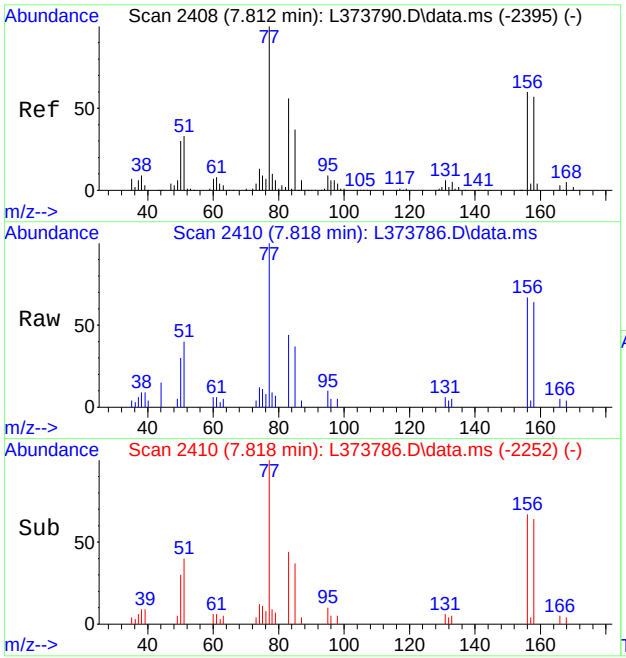


#95
cis-1,4-dichloro-2-butene
Concen: 1.74 ug/L
RT: 7.571 min Scan# 2333
Delta R.T. -0.000 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 88 Resp: 1621

Ion	Ratio	Lower	Upper
88	100		
75	92.4	66.5	106.5
53	71.6	59.7	99.7
89	31.5	20.7	60.7

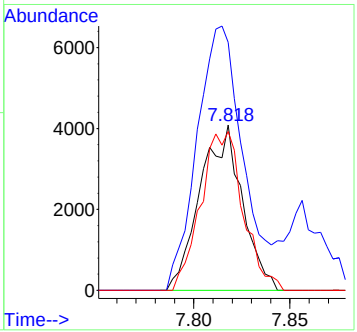


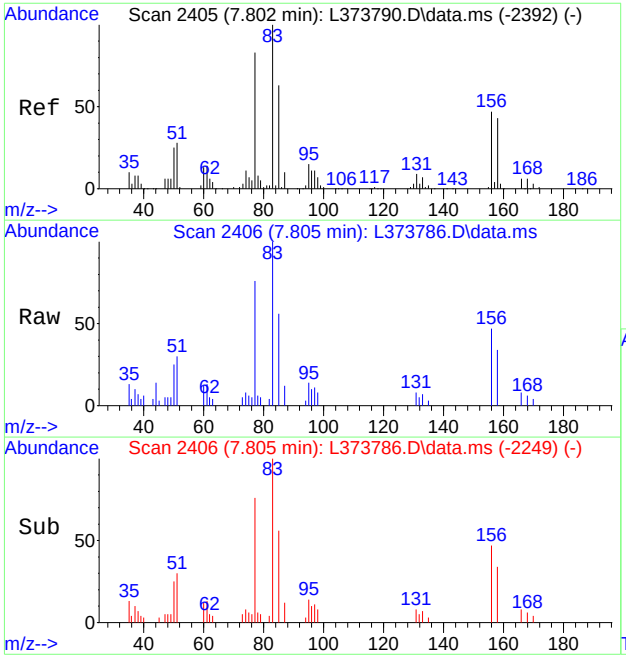


#98
bromobenzene
Concen: 2.45 ug/L
RT: 7.818 min Scan# 2410
Delta R.T. 0.006 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion:156 Resp: 6223

Ion	Ratio	Lower	Upper
156	100		
77	150.1	137.0	197.0
158	96.1	65.5	125.5

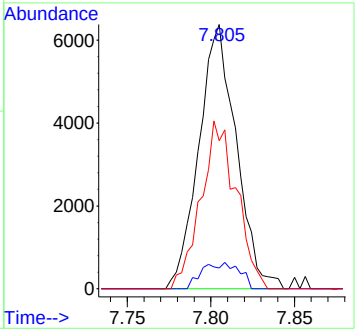


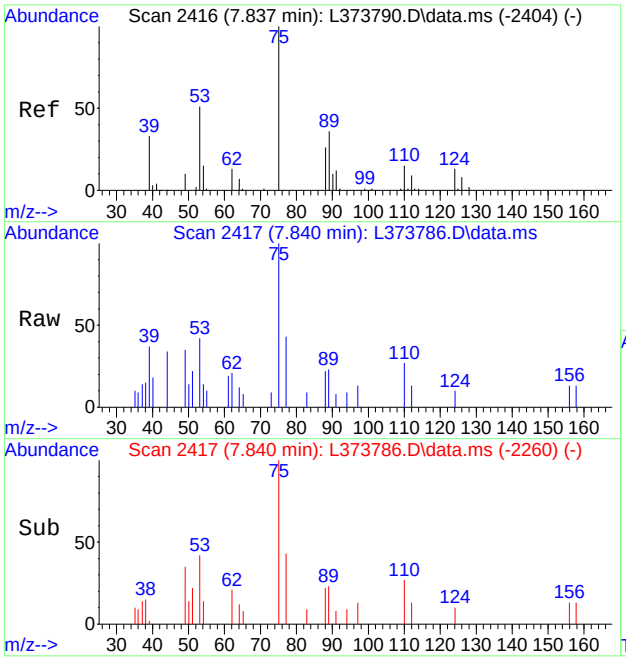


#99
1,1,2,2-tetrachloroethane
Concen: 2.52 ug/L
RT: 7.805 min Scan# 2406
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 83 Resp: 9934

Ion	Ratio	Lower	Upper
83	100		
131	7.8	0.0	38.9
85	56.0	33.3	93.3

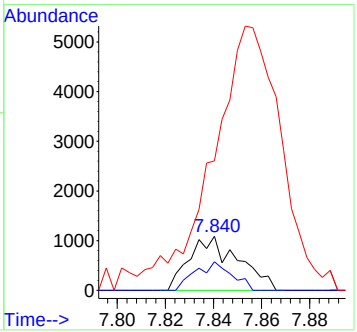


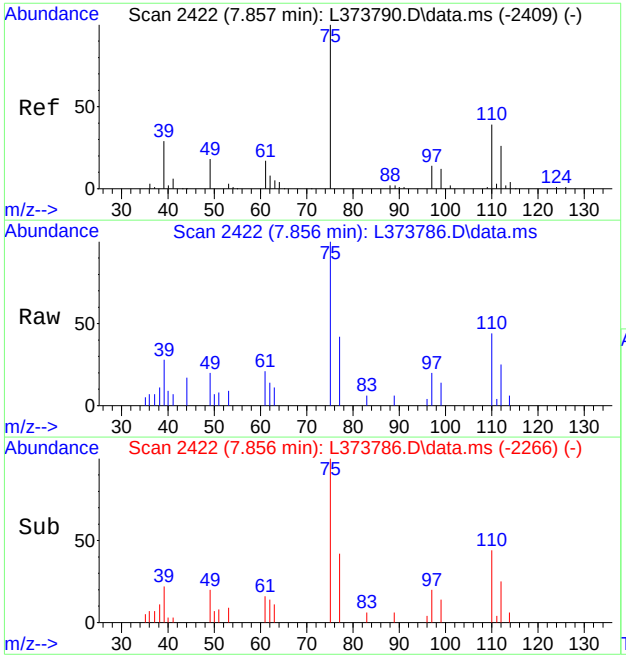


#100
trans-1,4-dichloro-2-butene
Concen: 1.86 ug/L
RT: 7.840 min Scan# 2417
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 53 Resp: 1542

Ion	Ratio	Lower	Upper
53	100		
88	52.9	21.0	81.0
75	174.5	165.8	225.8

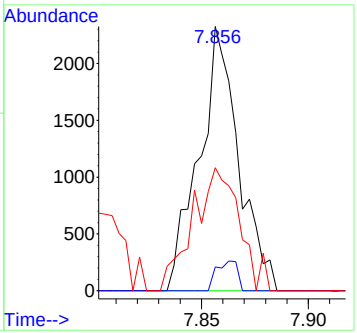


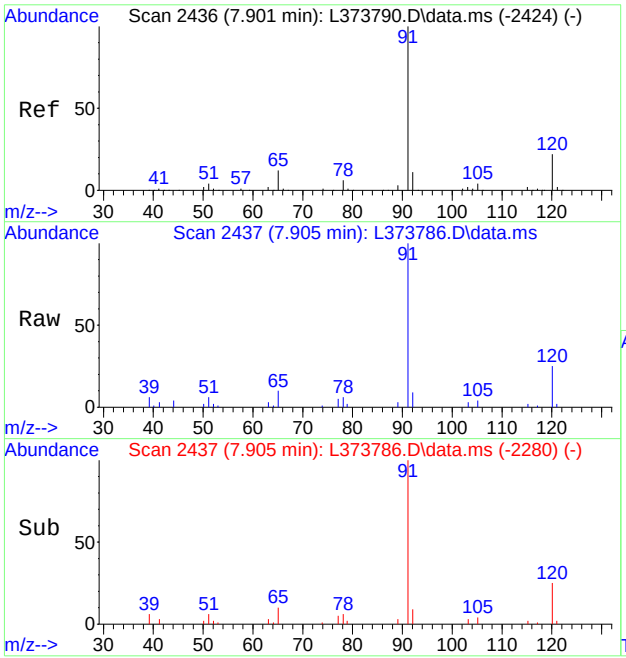


#101
1,2,3-trichloropropane
Concen: 2.56 ug/L
RT: 7.856 min Scan# 2422
Delta R.T. -0.000 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion:110 Resp: 3001

Ion	Ratio	Lower	Upper
110	100		
111	9.0	0.0	38.4
97	46.5	22.5	82.5

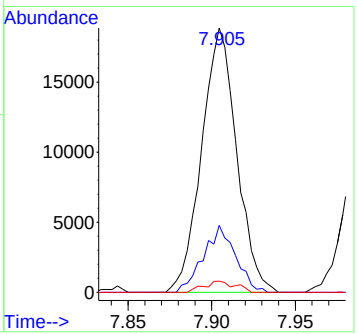


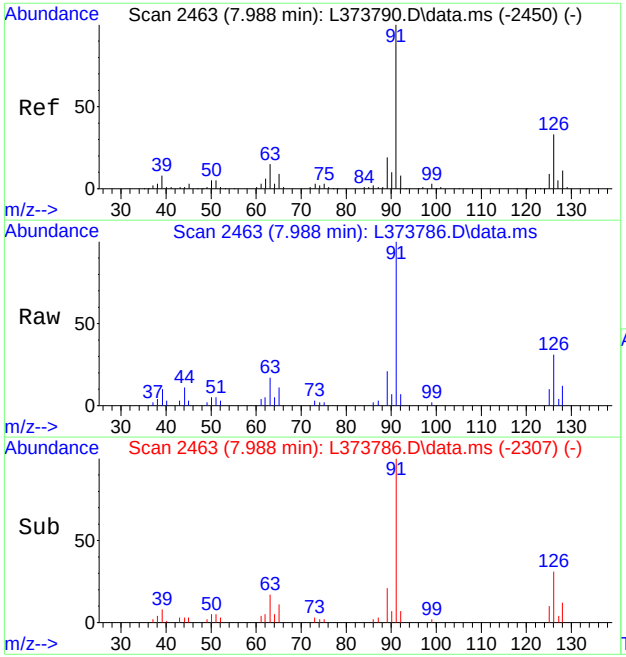


#102
n-propylbenzene
Concen: 2.23 ug/L
RT: 7.905 min Scan# 2437
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 91 Resp: 27517

Ion	Ratio	Lower	Upper
91	100		
120	25.4	0.0	51.5
105	4.2	0.0	33.7

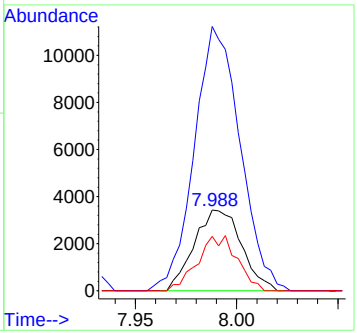


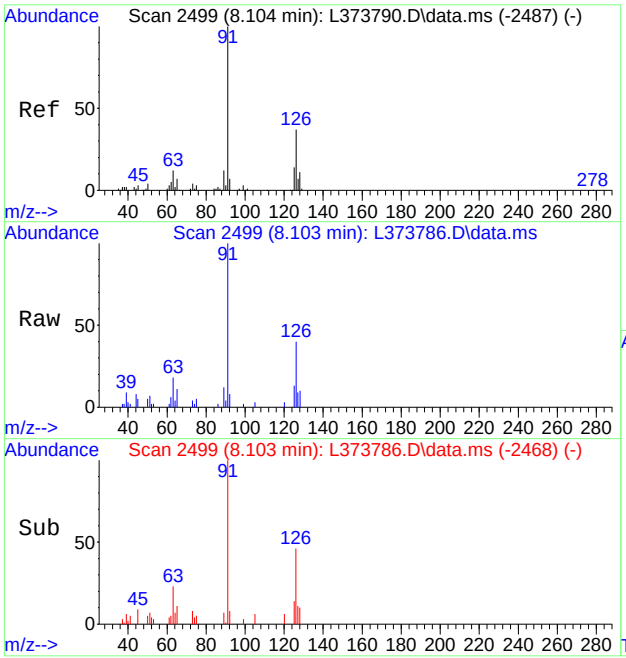


#103
2-chlorotoluene
Concen: 2.33 ug/L
RT: 7.988 min Scan# 2463
Delta R.T. -0.000 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion:126 Resp: 5585

Ion	Ratio	Lower	Upper
126	100		
91	321.7	276.4	336.4
89	67.3	28.8	88.8

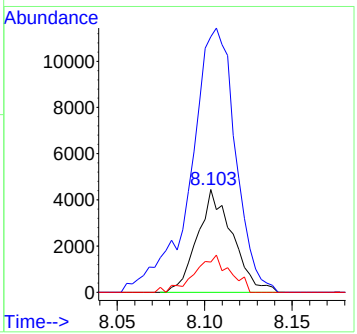


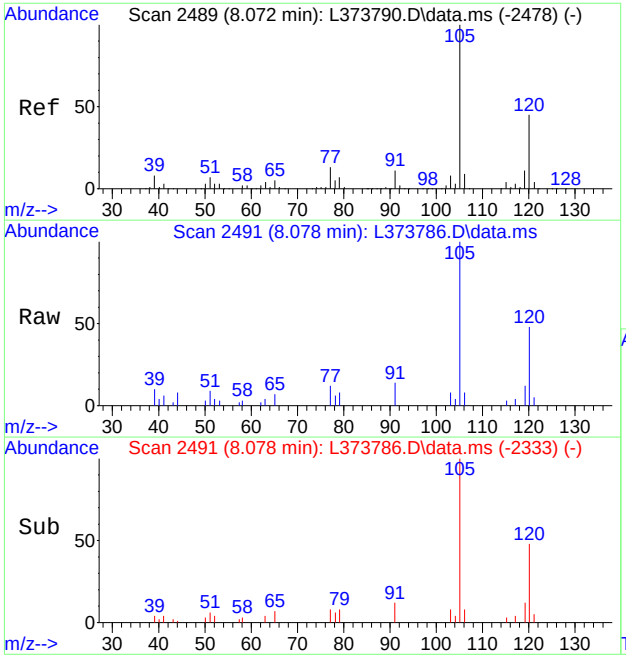


#104
4-chlorotoluene
Concen: 2.40 ug/L
RT: 8.103 min Scan# 2499
Delta R.T. -0.000 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion:126 Resp: 6224

Ion	Ratio	Lower	Upper
126	100		
91	248.5	265.5	325.5#
89	29.4	5.5	65.5

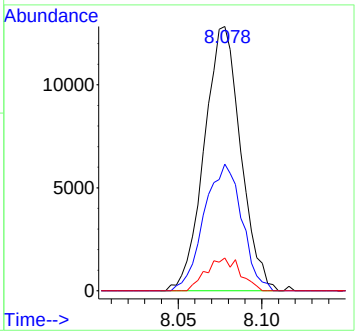


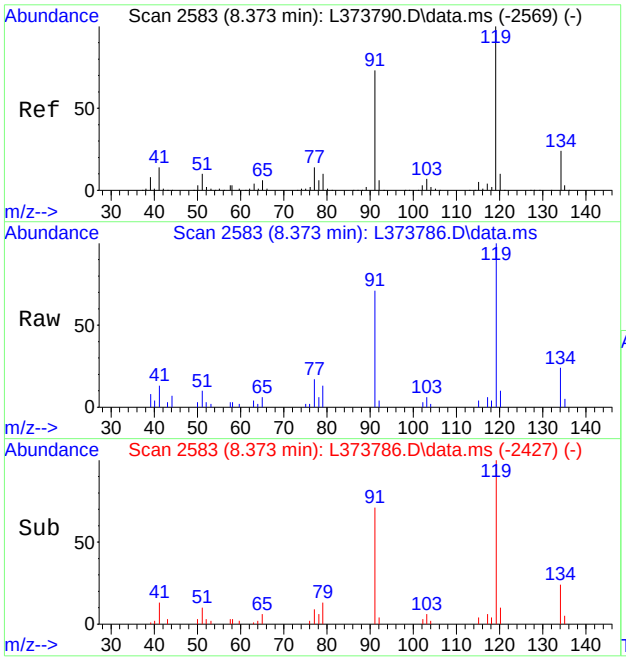


#105
1,3,5-trimethylbenzene
Concen: 2.25 ug/L
RT: 8.078 min Scan# 2491
Delta R.T. 0.006 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion:105 Resp: 19378

Ion	Ratio	Lower	Upper
105	100		
120	48.0	14.9	74.9
119	12.4	0.0	40.8

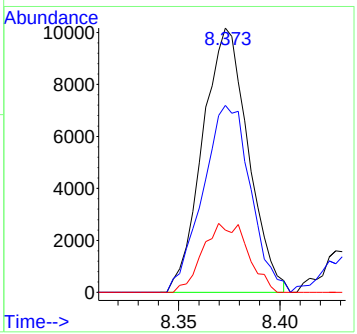


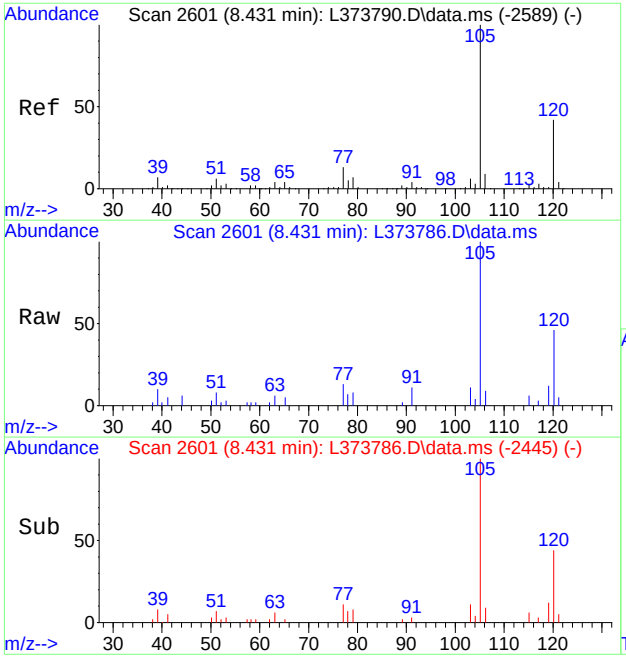


#106
tert-butylbenzene
Concen: 2.32 ug/L
RT: 8.373 min Scan# 2583
Delta R.T. -0.000 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion:119 Resp: 15917

Ion	Ratio	Lower	Upper
119	100		
91	70.7	42.9	102.9
134	23.5	0.0	54.4

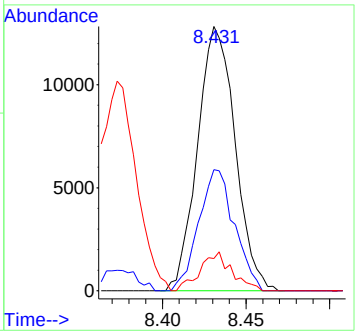


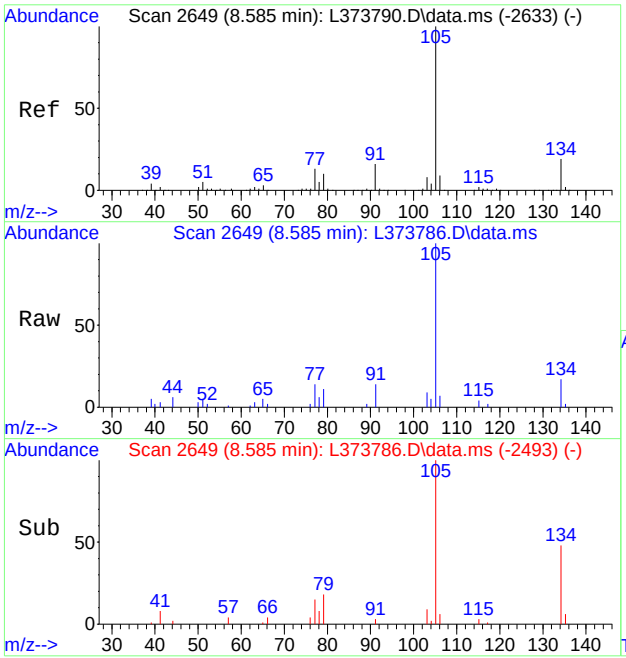


#107
1,2,4-trimethylbenzene
Concen: 2.34 ug/L
RT: 8.431 min Scan# 2601
Delta R.T. -0.000 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion:105 Resp: 20076

Ion	Ratio	Lower	Upper
105	100		
120	45.8	13.1	73.1
119	12.2	0.0	41.9

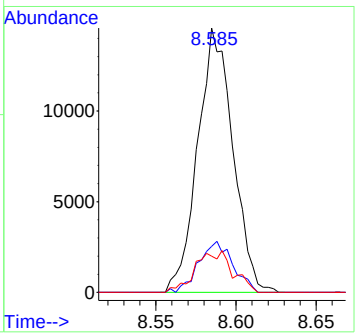


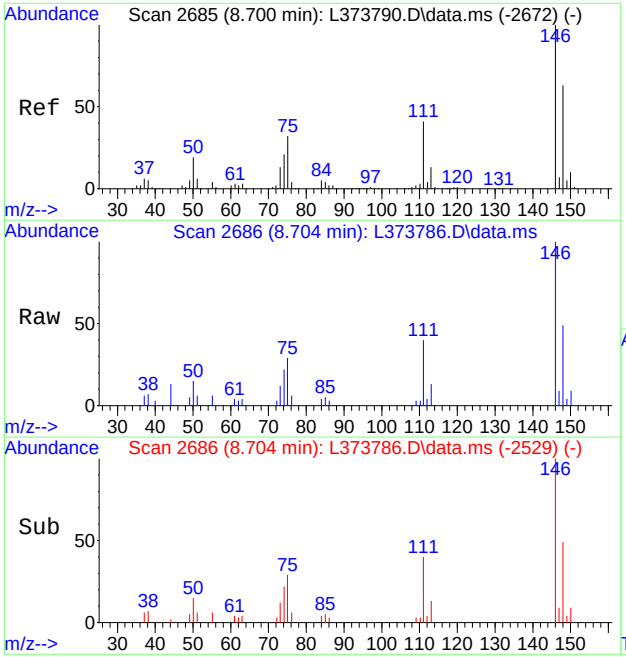


#108
sec-butylbenzene
Concen: 2.26 ug/L
RT: 8.585 min Scan# 2649
Delta R.T. -0.000 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion:105 Resp: 22250

Ion	Ratio	Lower	Upper
105	100		
134	17.4	0.0	48.8
91	13.7	0.0	45.9

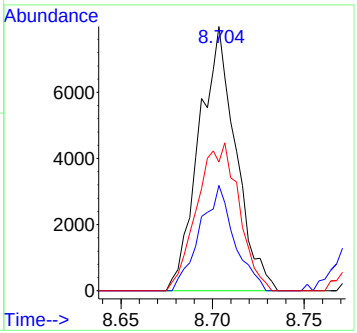


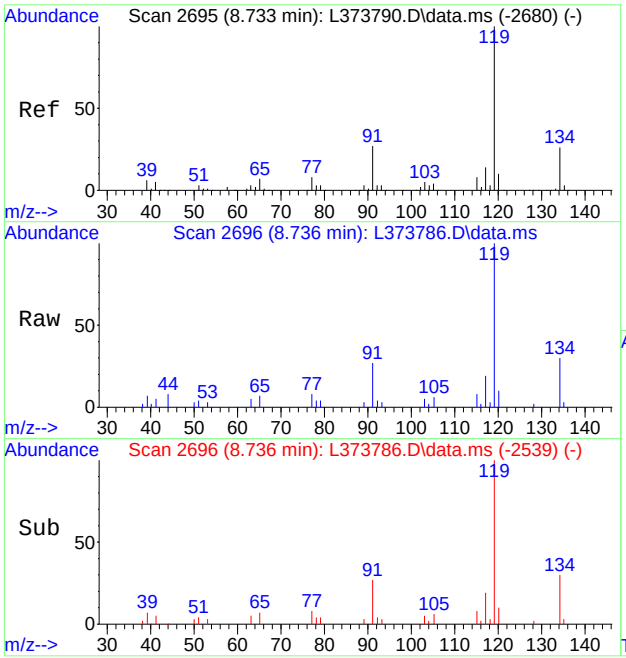


#109
1,3-dichlorobenzene
Concen: 2.31 ug/L
RT: 8.704 min Scan# 2686
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion:146 Resp: 11205

Ion	Ratio	Lower	Upper
146	100		
111	39.8	11.0	71.0
148	48.6	33.0	93.0

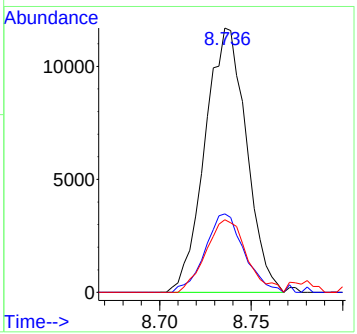


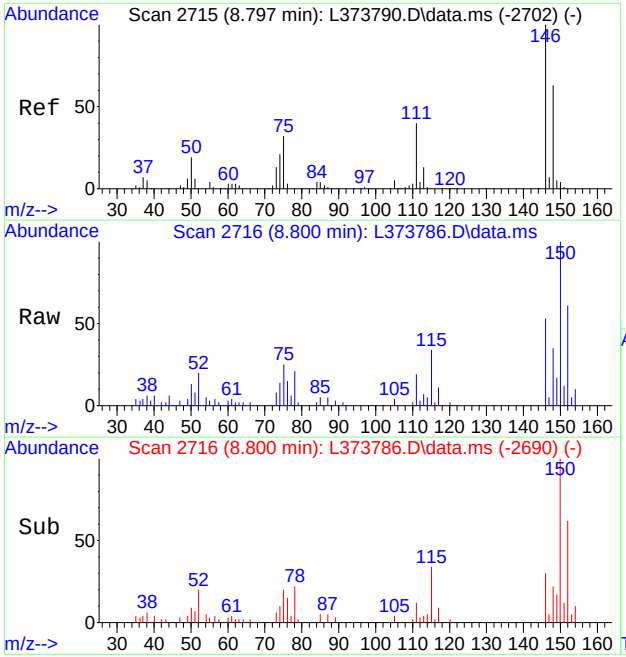


#110
p-isopropyltoluene
Concen: 2.29 ug/L
RT: 8.736 min Scan# 2696
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion:119 Resp: 18437

Ion	Ratio	Lower	Upper
119	100		
134	29.7	0.0	56.5
91	27.5	0.0	56.9

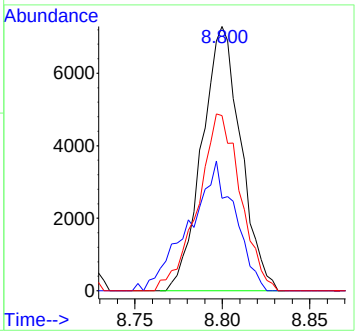


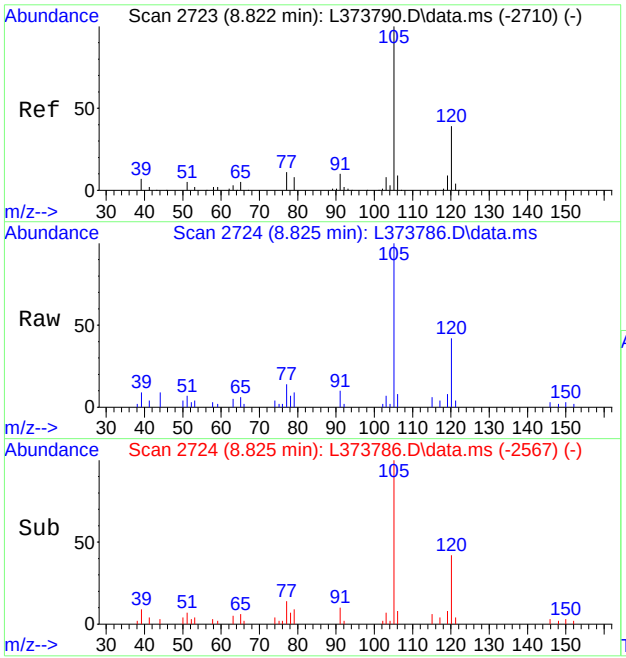


#111
1,4-dichlorobenzene
Concen: 2.19 ug/L
RT: 8.800 min Scan# 2716
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion:146 Resp: 11266

Ion	Ratio	Lower	Upper
146	100		
111	35.0	9.7	69.7
148	66.3	33.0	93.0

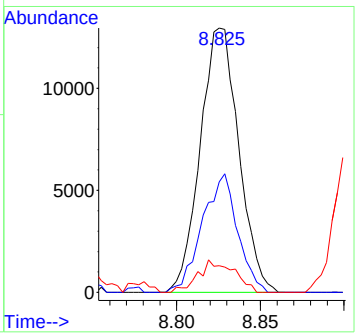


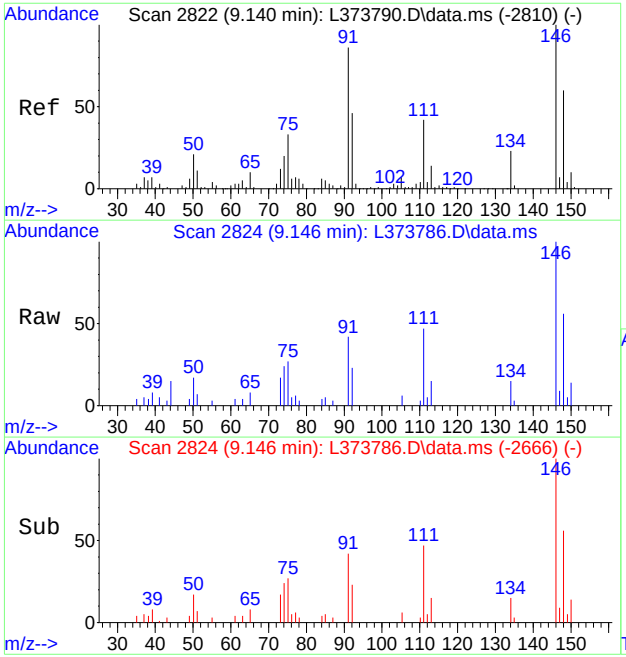


#112
1,2,3-trimethylbenzene
Concen: 2.19 ug/L
RT: 8.825 min Scan# 2724
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion:105 Resp: 20767

Ion	Ratio	Lower	Upper
105	100		
120	41.8	8.8	68.8
91	10.1	0.0	40.2

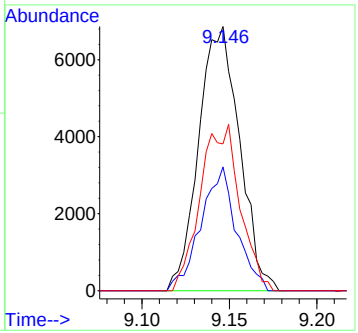


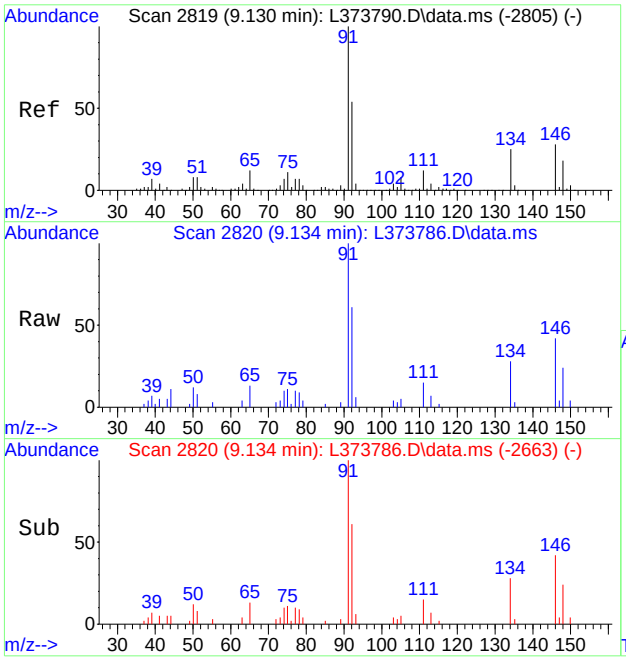


#113
1,2-dichlorobenzene
Concen: 2.46 ug/L
RT: 9.146 min Scan# 2824
Delta R.T. 0.006 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion:146 Resp: 11171

Ion	Ratio	Lower	Upper
146	100		
111	46.8	12.1	72.1
148	55.6	30.4	90.4

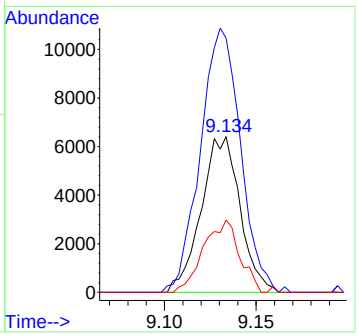


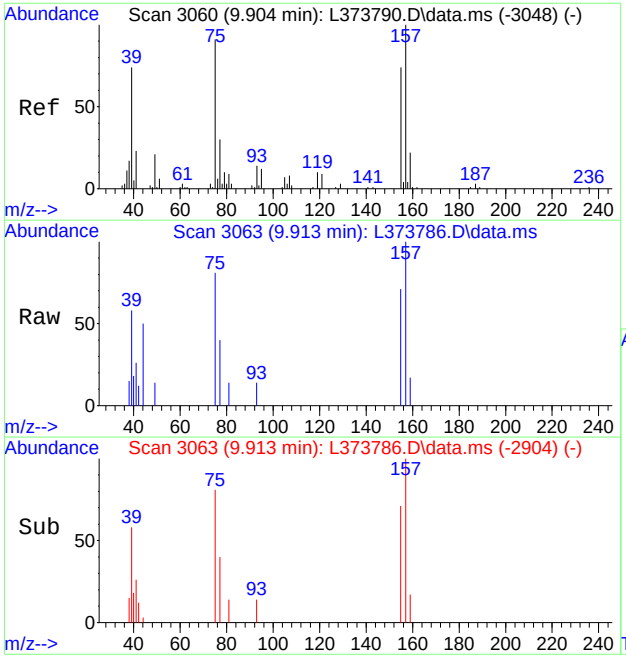


#114
n-butylbenzene
Concen: 2.40 ug/L
RT: 9.134 min Scan# 2820
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 92 Resp: 9480

Ion	Ratio	Lower	Upper
92	100		
91	163.2	155.4	215.4
134	46.4	15.6	75.6

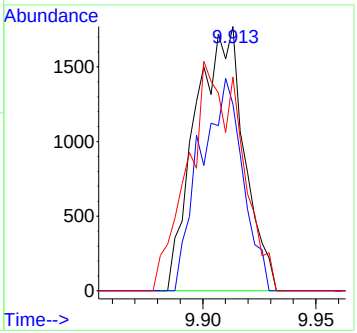


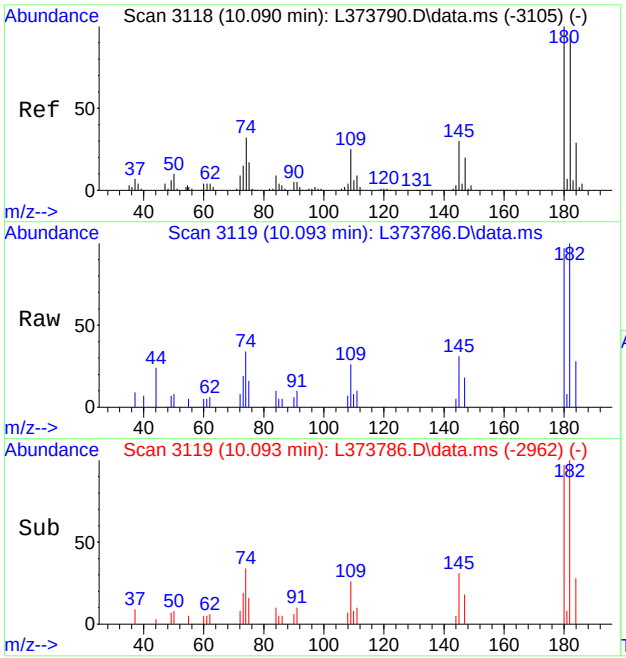


#115
1,2-dibromo-3-chloropropane
Concen: 2.60 ug/L
RT: 9.913 min Scan# 3063
Delta R.T. 0.009 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion:157 Resp: 2665

Ion	Ratio	Lower	Upper
157	100		
155	70.5	44.1	104.1
75	80.9	60.9	120.9

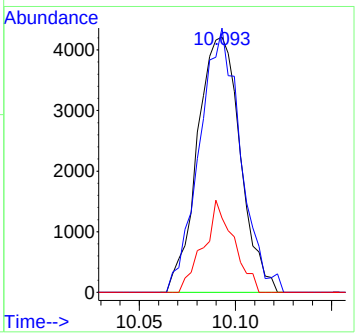


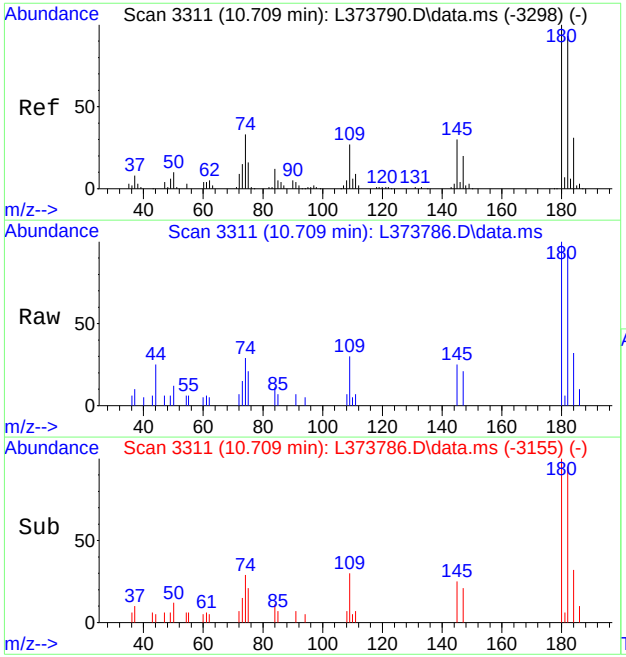


#116
1,3,5-trichlorobenzene
Concen: 2.27 ug/L
RT: 10.093 min Scan# 3119
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion:180 Resp: 6543

Ion	Ratio	Lower	Upper
180	100		
182	103.6	65.0	125.0
184	29.1	0.0	59.4

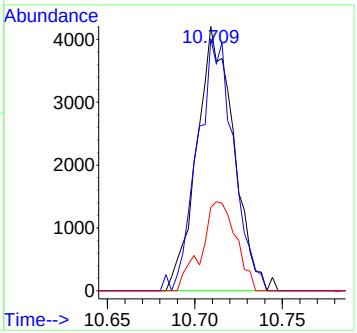


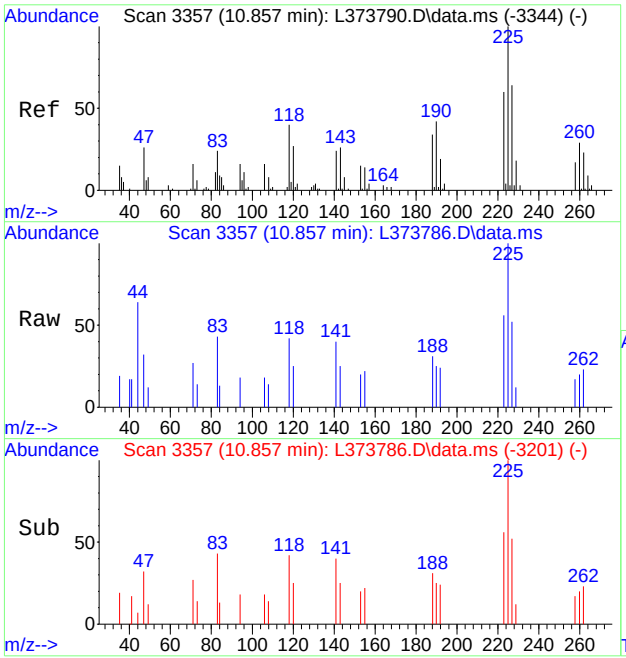


#117
1,2,4-trichlorobenzene
Concen: 2.45 ug/L
RT: 10.709 min Scan# 3311
Delta R.T. -0.000 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion:180 Resp: 6166

Ion	Ratio	Lower	Upper
180	100		
182	95.3	63.1	123.1
184	31.6	0.8	60.8

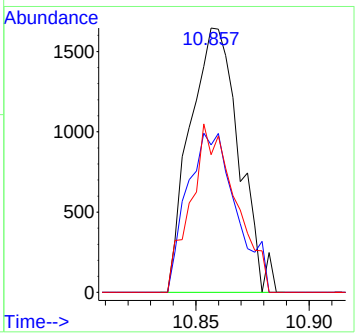


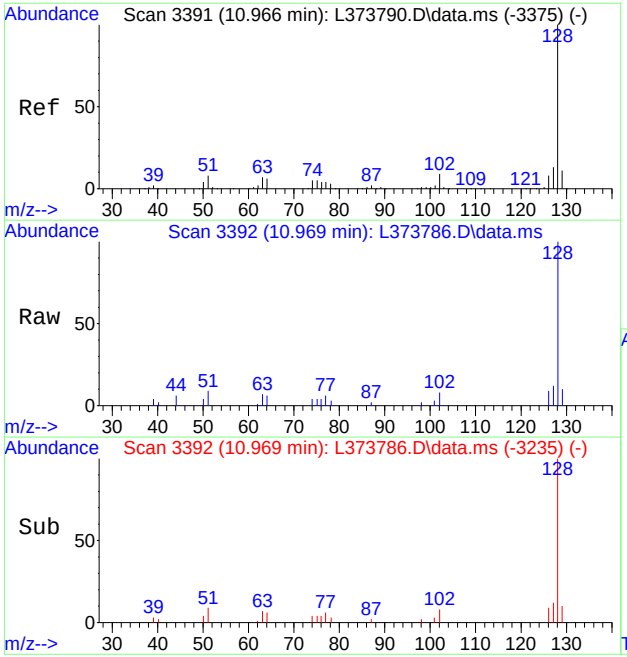


#118
hexachlorobutadiene
Concen: 2.74 ug/L
RT: 10.857 min Scan# 3357
Delta R.T. -0.000 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion:225 Resp: 2479

Ion	Ratio	Lower	Upper
225	100		
223	55.8	30.0	90.0
227	52.0	33.8	93.8

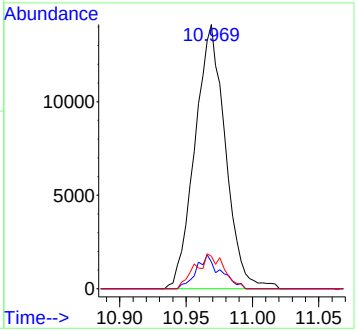


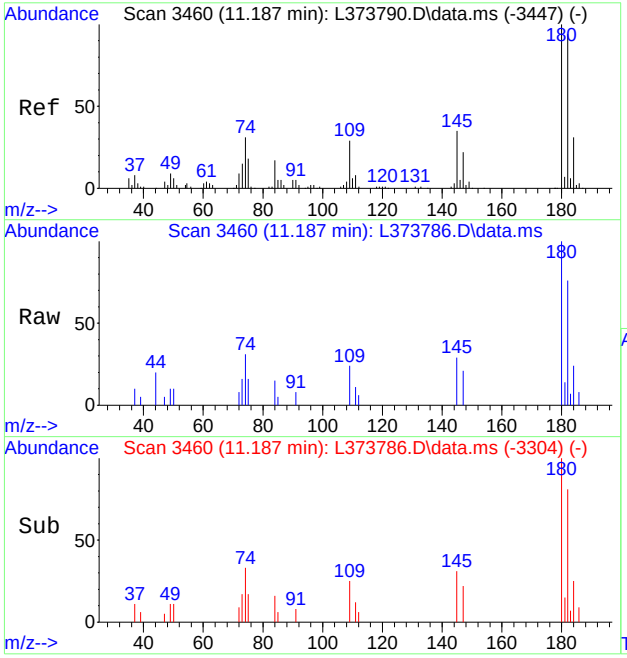


#119
naphthalene
Concen: 2.35 ug/L
RT: 10.969 min Scan# 3392
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion:128 Resp: 22561

Ion	Ratio	Lower	Upper
128	100		
129	10.2	0.0	41.1
127	12.3	0.0	42.9

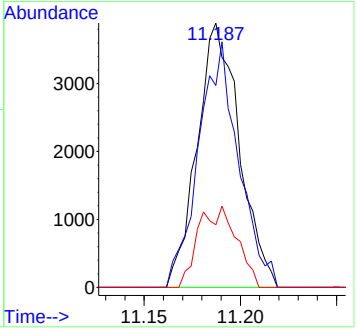


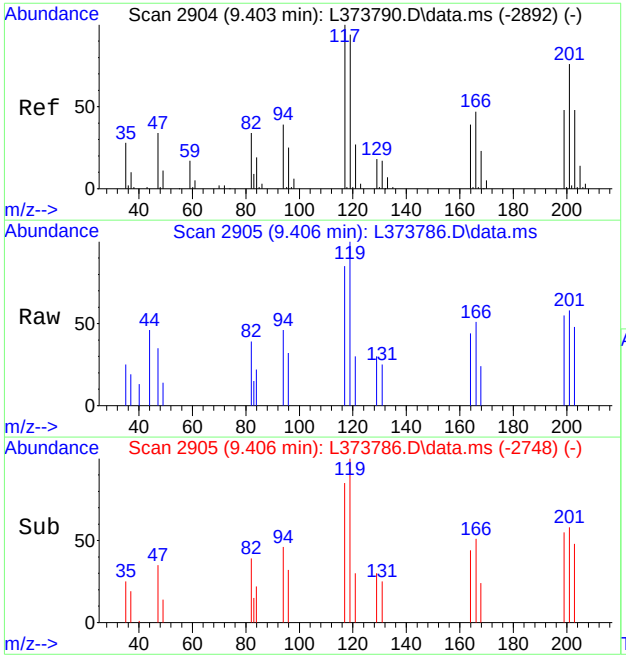


#120
1,2,3-trichlorobenzene
Concen: 2.43 ug/L
RT: 11.187 min Scan# 3460
Delta R.T. -0.000 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion:180 Resp: 5939

Ion	Ratio	Lower	Upper
180	100		
182	76.3	63.9	123.9
184	23.6	1.2	61.2

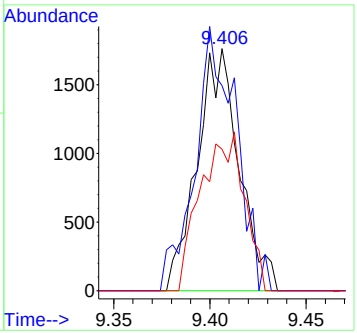


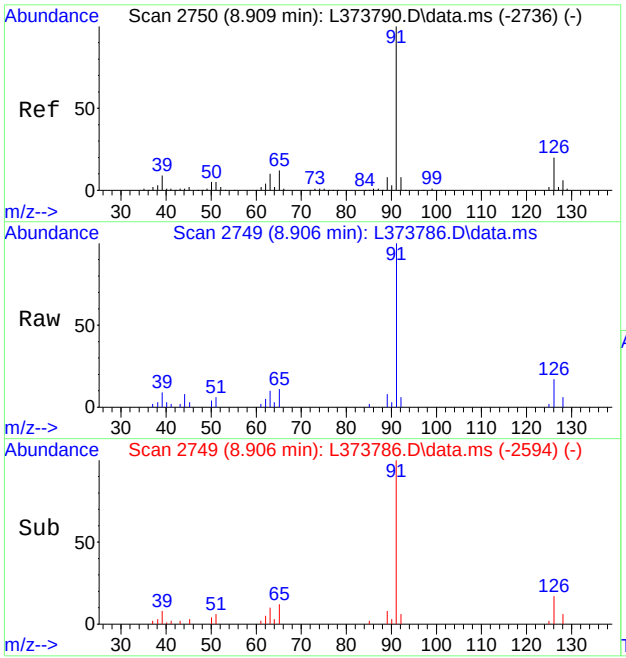


#121
hexachloroethane
Concen: 2.23 ug/L
RT: 9.406 min Scan# 2905
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion:119 Resp: 2689

Ion	Ratio	Lower	Upper
119	100		
117	84.8	76.2	136.2
201	58.4	51.2	111.2

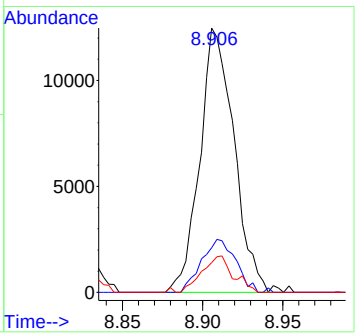


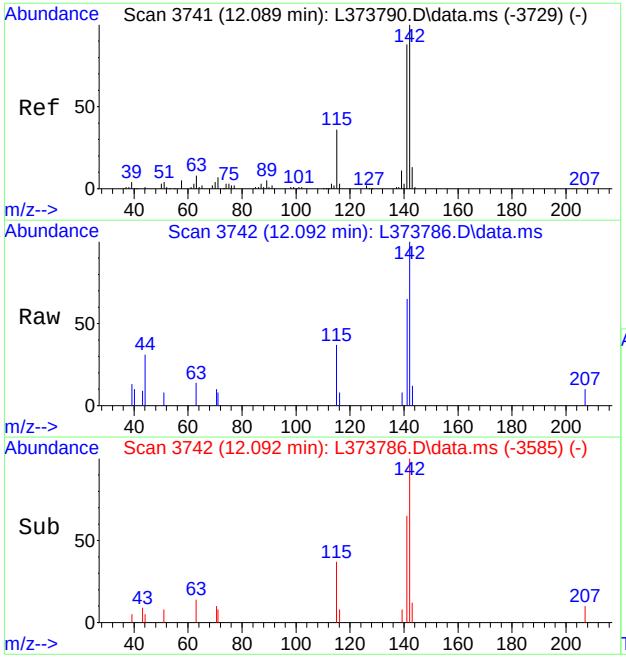


#122
benzyl chloride
Concen: 2.44 ug/L
RT: 8.906 min Scan# 2749
Delta R.T. -0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 91 Resp: 18543

Ion	Ratio	Lower	Upper
91	100		
126	16.9	0.0	49.8
65	11.3	0.0	41.8

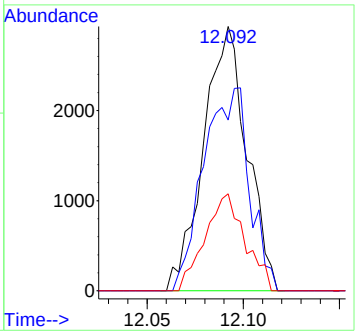




#123
2-methylnaphthalene
Concen: 1.26 ug/L
RT: 12.092 min Scan# 3742
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion:142 Resp: 4593

Ion	Ratio	Lower	Upper
142	100		
141	64.5	68.0	108.0#
115	36.6	15.9	55.9



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 10/20/25 12:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373787.D
Acq On : 16 Oct 2025 7:41 pm
Operator : BridgetK
Sample : ic11472-4
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 17 10:09:16 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 10:02:15 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	2.613	65	263348	500.00	ug/L	0.00
5) pentafluorobenzene	3.759	168	239327	50.00	ug/L	0.00
51) 1,4-difluorobenzene	4.295	114	395136	50.00	ug/L	0.00
72) chlorobenzene-d5	6.615	117	313097	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	8.774	152	150324	50.00	ug/L	0.00
124) pentafluorobenzene(a)	3.759	168	239327	50.00	ug/L	0.00
131) 1,4-dichlorobenzene-d4(a)	8.774	152	150324	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	3.756	113	123563	49.31	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.62%			
52) 1,2-dichloroethane-d4 (s)	3.993	65	140945	48.78	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 97.56%			
73) toluene-d8 (s)	5.399	98	456454	50.79	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.58%			
97) 4-bromofluorobenzene (s)	7.680	95	159937	49.79	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.58%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.709	88	8297	106.7401	ug/L	95
3) ethanol	2.090	45	33245	417.4120	ug/L	94
4) tertiary butyl alcohol	2.665	59	18412	21.3223	ug/L	91
6) chlorodifluoromethane	1.365	51	15408	4.2968	ug/L	97
7) dichlorodifluoromethane	1.352	85	12870	3.6384	ug/L	97
8) chloromethane	1.484	50	11661	3.1642	ug/L	94
9) vinyl chloride	1.554	62	12135	3.4543	ug/L	93
10) 1,3-butadiene	1.580	54	13532	4.1632	ug/L	95
11) bromomethane	1.773	96	3095	3.4489	ug/L	86
12) chloroethane	1.843	64	5278	3.3636	ug/L	94
13) trichlorofluoromethane	2.004	101	15438	3.6197	ug/L	99
14) ethyl ether	2.167	74	6102	4.3231	ug/L	81
15) acrolein	2.260	56	2068	3.2462	ug/L	87
16) freon 113	2.324	151	7755	4.6120	ug/L #	75
17) 1,1-dichloroethene	2.328	96	9653	4.4423	ug/L	96
18) acetone	2.340	58	7291	16.1975	ug/L	86
19) acetonitrile	2.517	40	15464	49.6174	ug/L	87
20) iodomethane	2.427	142	4094	2.9234	ug/L	95
21) iso-butyl alcohol	3.906	43	14019	49.0683	ug/L	96
22) carbon disulfide	2.478	76	30936	4.3585	ug/L	99
23) methylene chloride	2.629	84	12288	4.3661	ug/L	94
24) methyl acetate	2.533	74	2749	3.7699	ug/L #	79
25) methyl tert butyl ether	2.787	73	30855	4.3979	ug/L	96
26) trans-1,2-dichloroethene	2.799	96	11040	4.4270	ug/L	98
27) hexane	2.966	57	13268	4.4618	ug/L	95
28) di-isopropyl ether	3.075	45	32997	4.4271	ug/L	92
29) ethyl tert-butyl ether	3.306	59	33328	4.4004	ug/L	97
30) 2-butanone	3.415	72	9499	18.2736	ug/L #	59
31) 1,1-dichloroethane	3.072	63	21201	4.5123	ug/L	99
32) chloroprene	3.117	53	16867	4.3781	ug/L	95
33) acrylonitrile	2.764	53	4609	3.2985	ug/L	94
34) vinyl acetate	3.056	86	2394	3.8628	ug/L #	92
35) ethyl acetate	3.438	45	2750	3.6783	ug/L #	57
36) 2,2-dichloropropane	3.444	77	18516	4.2784	ug/L	95
37) cis-1,2-dichloroethene	3.441	96	12511	4.5502	ug/L	96
38) propionitrile	3.464	54	32047	41.6604	ug/L	86
39) methyl acrylate	3.470	85	2332	4.1339	ug/L #	71
40) bromochloromethane	3.598	128	5766	4.8023	ug/L #	78

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373787.D
Acq On : 16 Oct 2025 7:41 pm
Operator : BridgetK
Sample : ic11472-4
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 17 10:09:16 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 10:02:15 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) tetrahydrofuran	3.605	72	2529	3.4818	ug/L		93
42) chloroform	3.653	83	23003	4.0292	ug/L		96
44) methacrylonitrile	3.563	67	6379	3.9530	ug/L		83
45) 1,1,1-trichloroethane	3.775	97	18633	4.5485	ug/L	#	1
46) cyclohexane	3.829	84	11786	3.2867	ug/L		99
47) 1,1-dichloropropene	3.881	75	14367	4.4852	ug/L		95
48) carbon tetrachloride	3.884	117	14403	4.3822	ug/L		93
49) isopropyl acetate	4.016	87	2881	3.7395	ug/L	#	66
50) tert amyl alcohol	3.990	55	6308	18.7974	ug/L	#	92
53) tert-amyl methyl ether	4.086	73	32706	4.3476	ug/L		93
54) 2,2,4-trimethylpentane	4.086	57	24424	4.4332	ug/L		94
55) n-butyl alcohol	4.369	56	50272	208.8663	ug/L		99
56) benzene	4.022	78	43752	4.1992	ug/L		96
57) heptane	4.202	57	5333	4.7530	ug/L		89
58) 1,2-dichloroethane	4.044	62	16814	4.2343	ug/L		97
59) trichloroethene	4.474	95	10637	4.2422	ug/L		87
60) ethyl acrylate	4.510	55	19359	4.0166	ug/L		98
61) 2-nitropropane	5.010	41	5810m	4.4157	ug/L		
62) 2-chloroethyl vinyl ether	5.055	63	18283	20.5117	ug/L		94
63) methyl methacrylate	4.677	100	3220	3.6540	ug/L	#	80
64) 1,2-dichloropropane	4.664	63	11296	4.3336	ug/L		96
65) methylcyclohexane	4.654	83	15114	4.5208	ug/L		94
66) dibromomethane	4.731	93	8182	4.4731	ug/L		96
67) bromodichloromethane	4.856	83	16290	4.3609	ug/L		100
68) cis-1,3-dichloropropene	5.180	75	17049	4.0416	ug/L		97
69) epichlorohydrin	5.100	57	10839	19.1639	ug/L		90
70) 4-methyl-2-pentanone	5.286	58	27695	16.0499	ug/L		98
71) 3-methyl-1-butanol	5.322	70	19484	87.2929	ug/L		93
74) toluene	5.453	92	26498	4.0451	ug/L		96
75) trans-1,3-dichloropropene	5.630	75	16631	4.2048	ug/L		97
76) ethyl methacrylate	5.658	69	17010	4.0021	ug/L		97
77) 1,1,2-trichloroethane	5.796	83	8940	4.2149	ug/L		85
78) 2-hexanone	5.963	58	31426	16.4717	ug/L		93
79) tetrachloroethene	5.873	166	11378	4.4881	ug/L		95
80) 1,3-dichloropropane	5.934	76	17743	4.3775	ug/L		96
81) butyl acetate	6.053	56	10272	4.0460	ug/L		94
82) dibromochloromethane	6.111	129	11966	4.3064	ug/L		92
83) 1,2-dibromoethane	6.217	107	11151	4.3423	ug/L		91
84) n-butyl ether	6.714	57	46781	4.2649	ug/L		95
85) chlorobenzene	6.640	112	29227	4.2678	ug/L		95
86) 1,1,1,2-tetrachloroethane	6.714	131	9839	4.5161	ug/L		94
87) ethylbenzene	6.721	91	51207	4.3815	ug/L		98
88) m,p-xylene	6.839	106	40081	8.7818	ug/L		92
89) o-xylene	7.183	106	19129	4.2411	ug/L		92
90) butyl acrylate	7.128	55	27925	4.0420	ug/L		94
91) styrene	7.202	104	32111	4.3297	ug/L		97
92) bromoform	7.366	173	8145	4.1075	ug/L		96
93) n-amyl acetate	7.330	70	10646	4.1272	ug/L		96
94) isopropylbenzene	7.513	105	45913	4.2985	ug/L		96
95) cis-1,4-dichloro-2-butene	7.574	88	3181	3.5991	ug/L		93
98) bromobenzene	7.812	156	11516	4.3022	ug/L		87
99) 1,1,2,2-tetrachloroethane	7.808	83	17803	4.2569	ug/L		89
100) trans-1,4-dichloro-2-b...	7.837	53	2823	3.5353	ug/L	#	70
101) 1,2,3-trichloropropane	7.863	110	5170	4.0435	ug/L		91
102) n-propylbenzene	7.905	91	56367	4.4567	ug/L		95
103) 2-chlorotoluene	7.988	126	11168	4.4886	ug/L		97
104) 4-chlorotoluene	8.104	126	11412	4.2055	ug/L		92
105) 1,3,5-trimethylbenzene	8.078	105	38702	4.3701	ug/L		93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373787.D
Acq On : 16 Oct 2025 7:41 pm
Operator : BridgetK
Sample : ic11472-4
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 17 10:09:16 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 10:02:15 2025
Response via : Initial Calibration

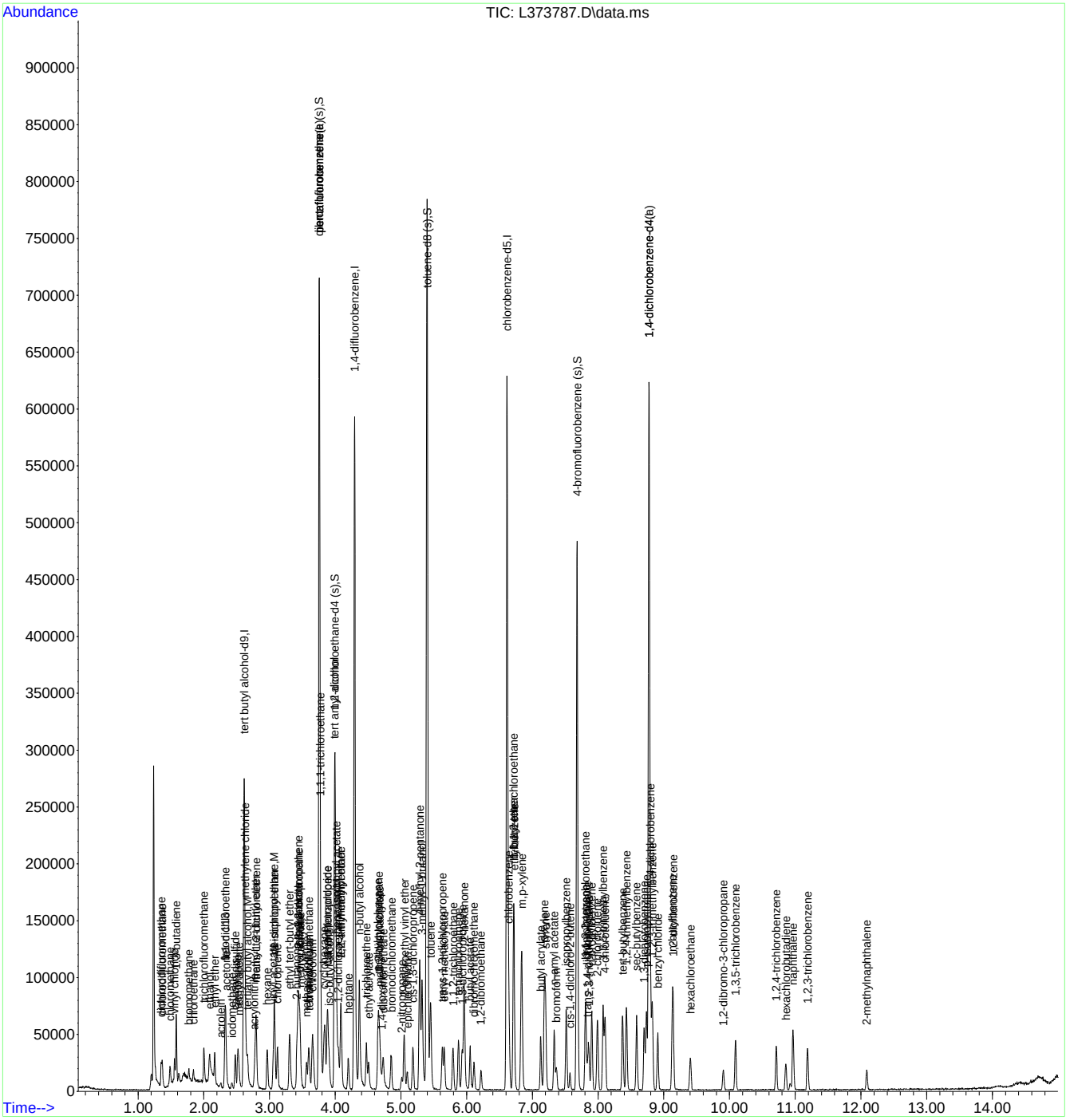
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
106) tert-butylbenzene	8.376	119	30733	4.3195	ug/L	98
107) 1,2,4-trimethylbenzene	8.434	105	38641	4.3328	ug/L	96
108) sec-butylbenzene	8.585	105	43801	4.3205	ug/L	97
109) 1,3-dichlorobenzene	8.701	146	20891	4.1593	ug/L	97
110) p-isopropyltoluene	8.736	119	36883	4.4357	ug/L	97
111) 1,4-dichlorobenzene	8.797	146	21827	4.1568	ug/L	92
112) 1,2,3-trimethylbenzene	8.826	105	41398	4.2797	ug/L	87
113) 1,2-dichlorobenzene	9.143	146	20637	4.3063	ug/L	92
114) n-butylbenzene	9.131	92	17969	4.3501	ug/L	98
115) 1,2-dibromo-3-chloropr...	9.904	157	4910	4.4646	ug/L	78
116) 1,3,5-trichlorobenzene	10.090	180	12836	4.3128	ug/L	94
117) 1,2,4-trichlorobenzene	10.709	180	11284	4.2613	ug/L	94
118) hexachlorobutadiene	10.860	225	4395	4.4619	ug/L	87
119) naphthalene	10.966	128	41187	4.1180	ug/L	97
120) 1,2,3-trichlorobenzene	11.187	180	10870	4.2281	ug/L	99
121) hexachloroethane	9.406	119	5060	4.0907	ug/L	97
122) benzyl chloride	8.909	91	33873	4.2355	ug/L	97
123) 2-methylnaphthalene	12.089	142	8308	2.1459	ug/L	93

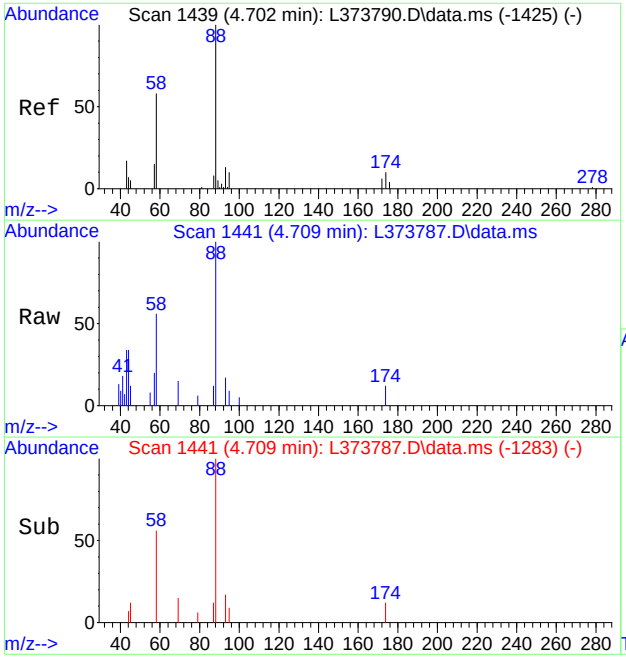
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373787.D
Acq On : 16 Oct 2025 7:41 pm
Operator : BridgetK
Sample : ic11472-4
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 17 10:09:16 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 10:02:15 2025
Response via : Initial Calibration

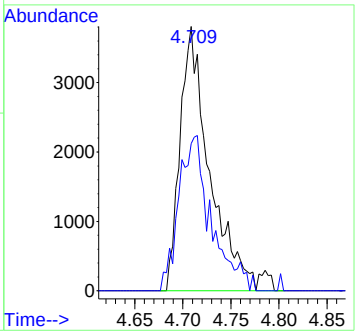


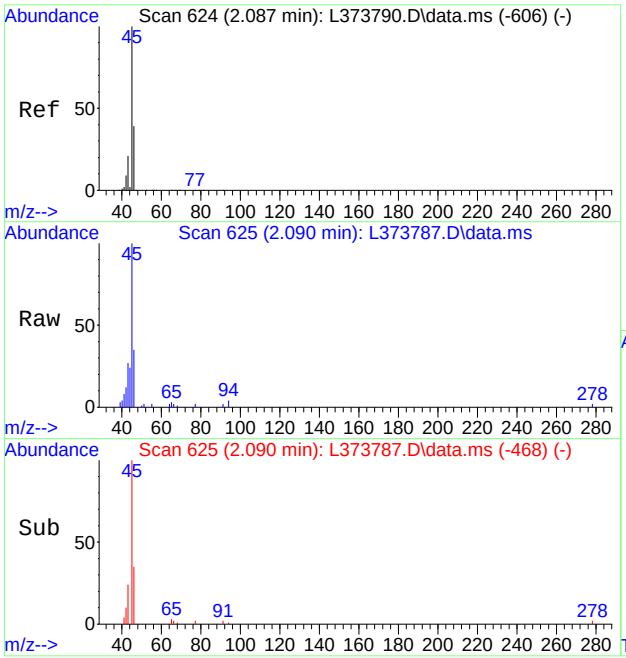


#2
1,4-dioxane
Concen: 106.74 ug/L
RT: 4.709 min Scan# 1441
Delta R.T. 0.006 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 88 Resp: 8297

Ion	Ratio	Lower	Upper
88	100		
58	55.7	29.1	89.1

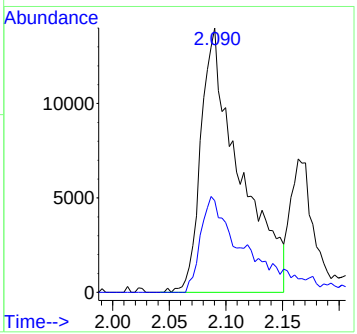


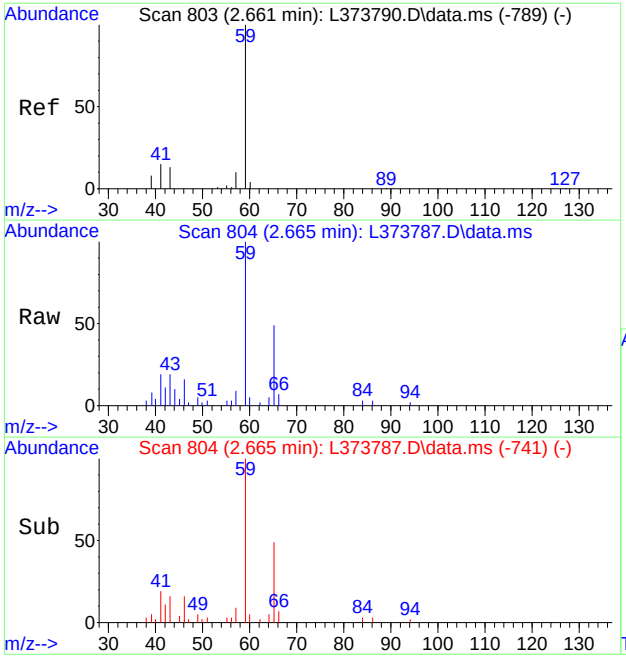


#3
ethanol
Concen: 417.41 ug/L
RT: 2.090 min Scan# 625
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 45 Resp: 33245

Ion	Ratio	Lower	Upper
45	100		
46	34.7	18.6	58.6

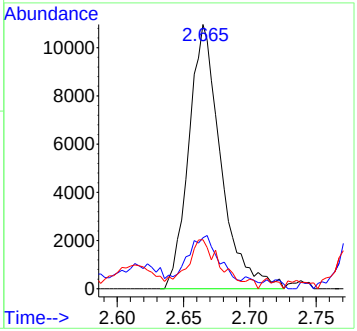


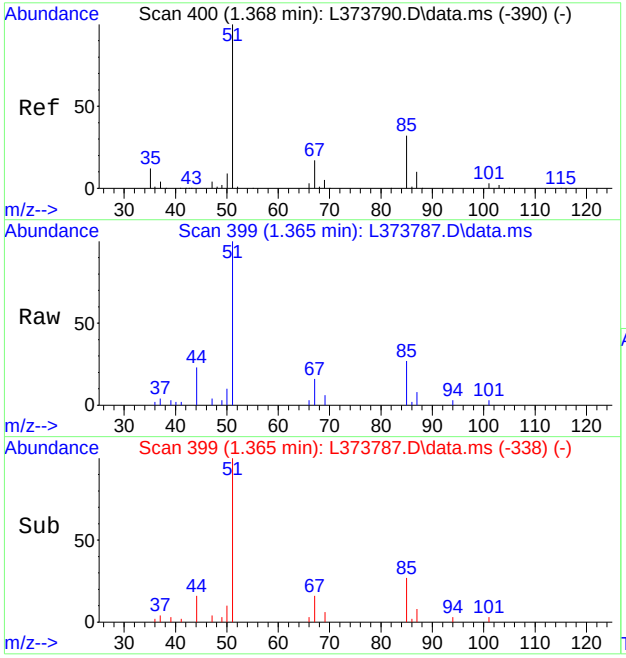


#4
tertiary butyl alcohol
Concen: 21.32 ug/L
RT: 2.665 min Scan# 804
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 59 Resp: 18412

Ion	Ratio	Lower	Upper
59	100		
41	17.5	0.0	45.3
43	18.5	0.0	43.5

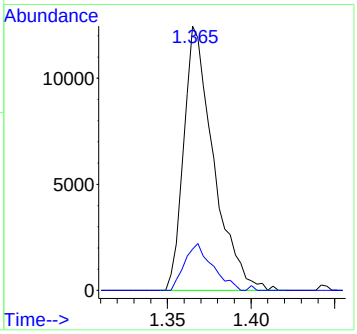


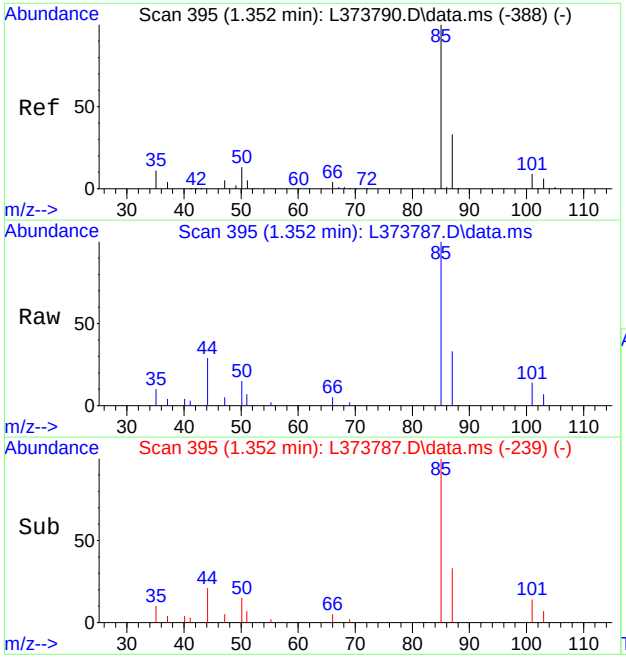


#6
chlorodifluoromethane
Concen: 4.30 ug/L
RT: 1.365 min Scan# 399
Delta R.T. -0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 51 Resp: 15408

Ion	Ratio	Lower	Upper
51	100		
67	15.6	0.0	37.0

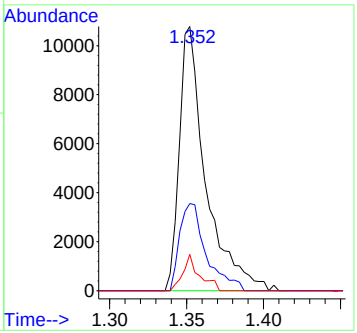


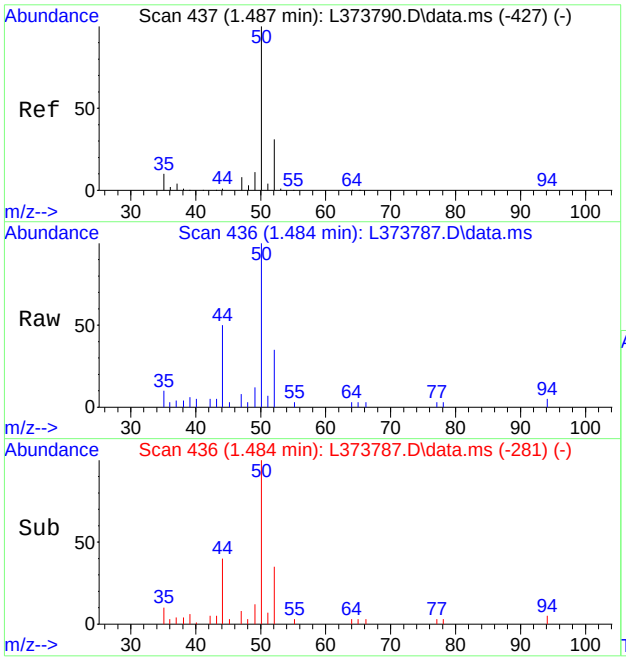


#7
dichlorodifluoromethane
Concen: 3.64 ug/L
RT: 1.352 min Scan# 395
Delta R.T. 0.000 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 85 Resp: 12870

Ion	Ratio	Lower	Upper
85	100		
87	33.0	2.8	62.8
101	13.8	0.0	38.9

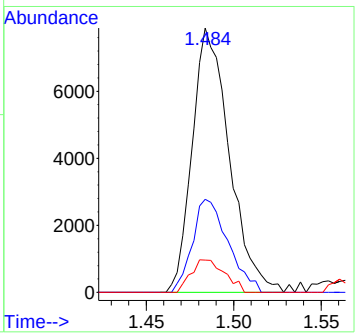


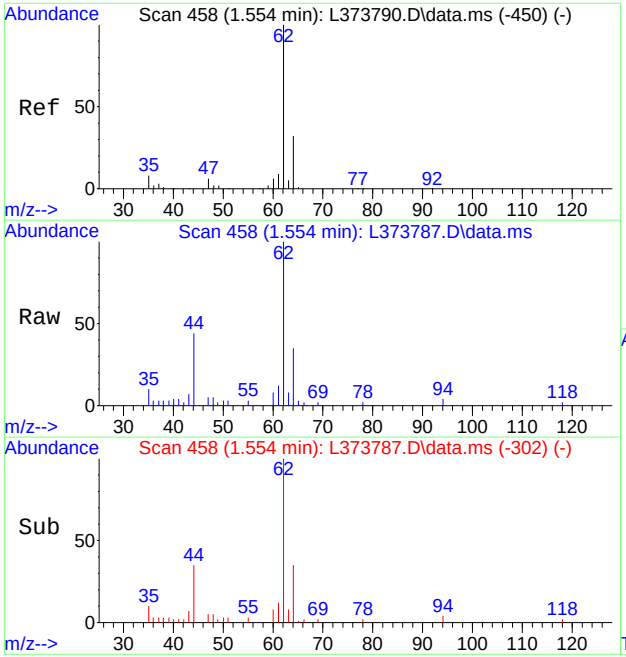


#8
chloromethane
Concen: 3.16 ug/L
RT: 1.484 min Scan# 436
Delta R.T. -0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 50 Resp: 11661

Ion	Ratio	Lower	Upper
50	100		
52	35.2	1.5	61.5
49	12.2	0.0	41.1

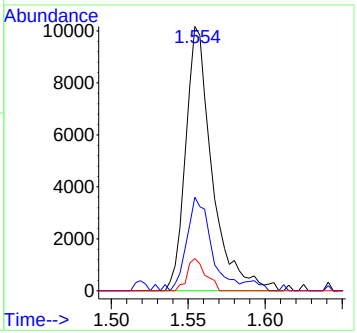


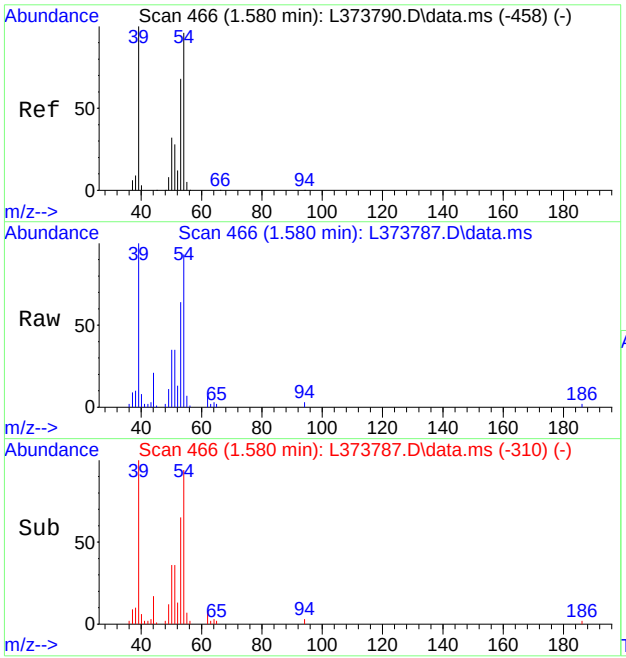


#9
vinyl chloride
Concen: 3.45 ug/L
RT: 1.554 min Scan# 458
Delta R.T. 0.000 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 62 Resp: 12135

Ion	Ratio	Lower	Upper
62	100		
64	35.4	2.2	62.2
61	12.2	0.0	38.5

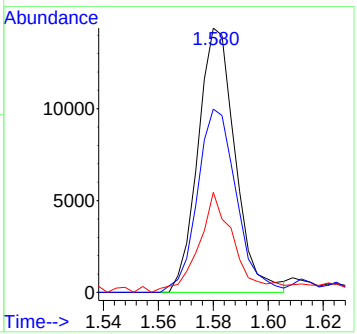


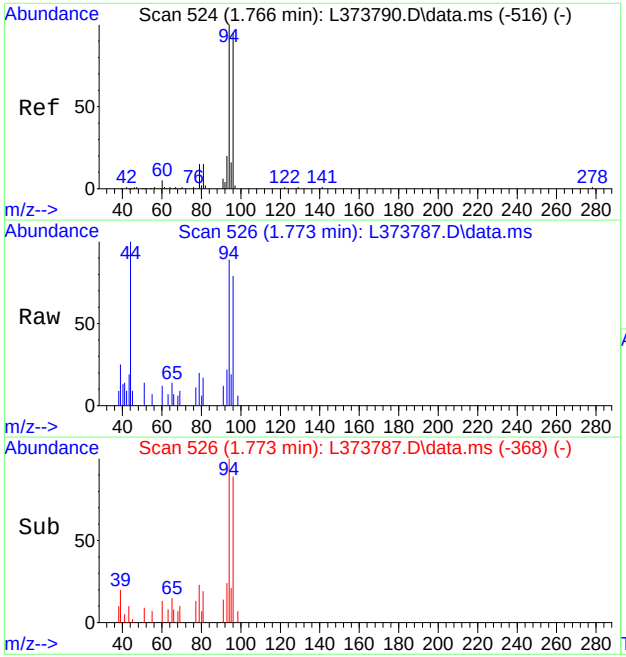


#10
1,3-butadiene
Concen: 4.16 ug/L
RT: 1.580 min Scan# 466
Delta R.T. 0.000 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 54 Resp: 13532

Ion	Ratio	Lower	Upper
54	100		
53	69.3	40.7	100.7
51	36.3	0.0	59.5

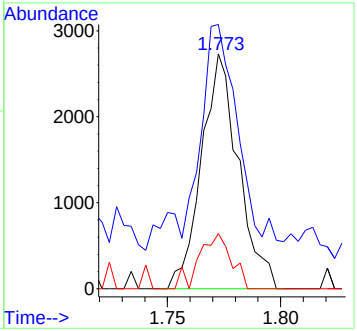


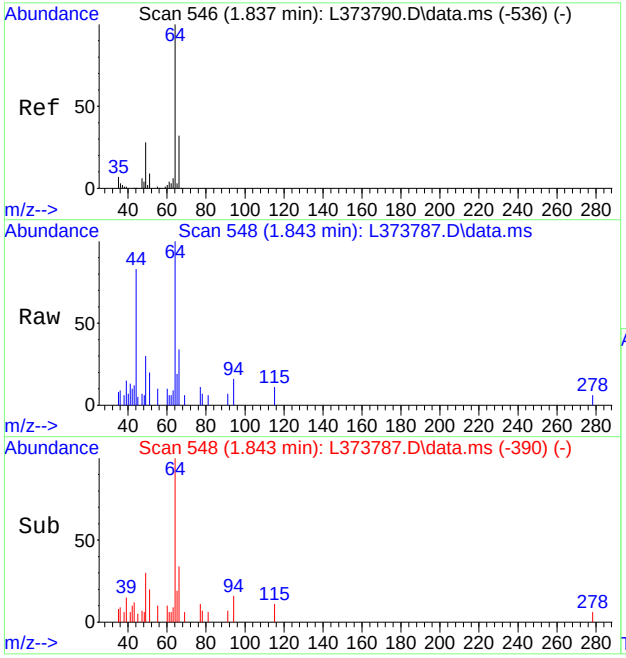


#11
bromomethane
Concen: 3.45 ug/L
RT: 1.773 min Scan# 526
Delta R.T. 0.006 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 96 Resp: 3095

Ion	Ratio	Lower	Upper
96	100		
94	92.6	76.7	136.7
95	23.6	0.0	46.3

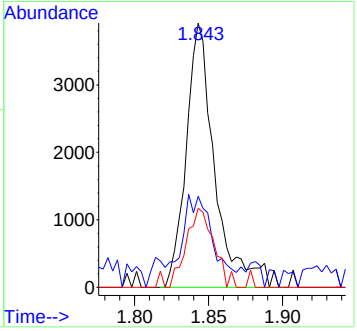


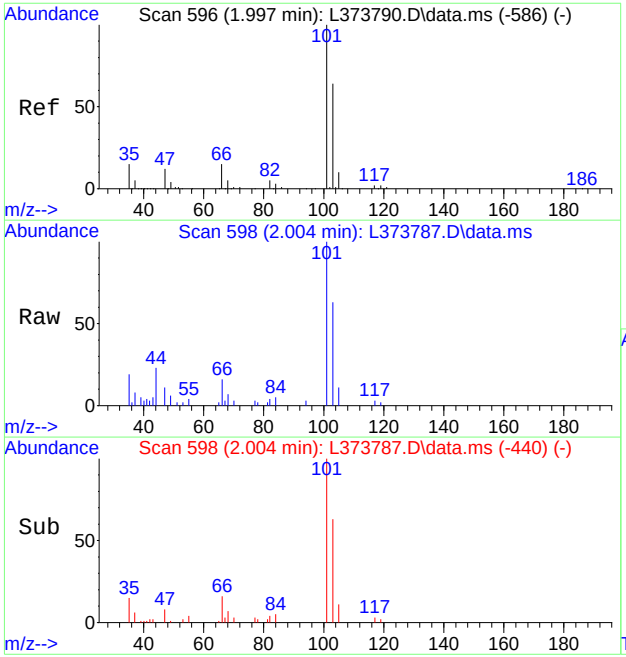


#12
chloroethane
Concen: 3.36 ug/L
RT: 1.843 min Scan# 548
Delta R.T. 0.006 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 64 Resp: 5278

Ion	Ratio	Lower	Upper
64	100		
66	28.0	1.8	61.8
49	29.9	0.0	57.7

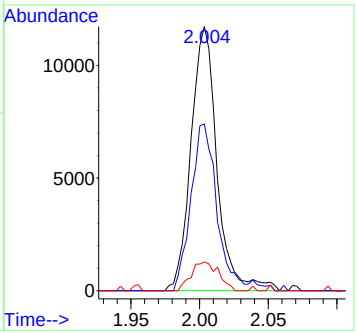


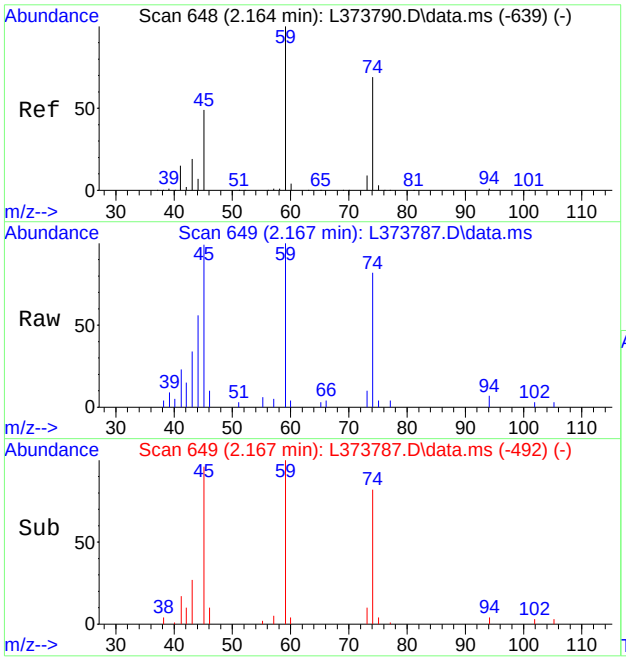


#13
trichlorofluoromethane
Concen: 3.62 ug/L
RT: 2.004 min Scan# 598
Delta R.T. 0.006 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion:101 Resp: 15438

Ion	Ratio	Lower	Upper
101	100		
103	63.1	33.8	93.8
105	10.9	0.0	40.0

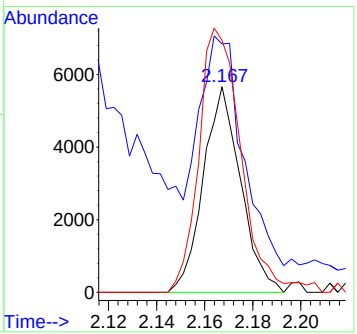


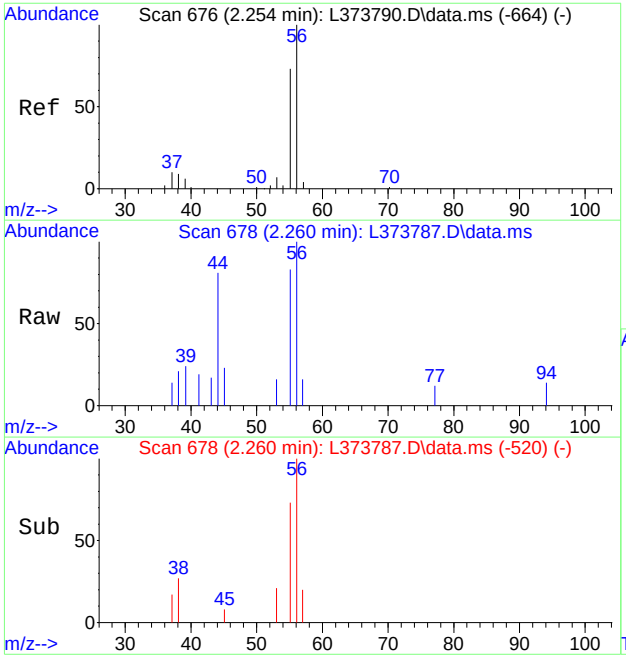


#14
ethyl ether
Concen: 4.32 ug/L
RT: 2.167 min Scan# 649
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 74 Resp: 6102

Ion	Ratio	Lower	Upper
74	100		
45	107.8	102.0	162.0
59	122.6	114.2	174.2

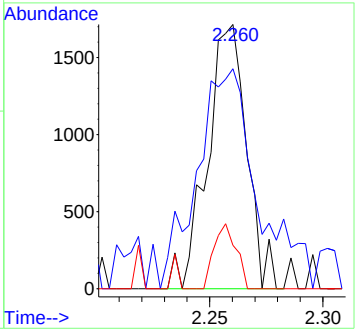


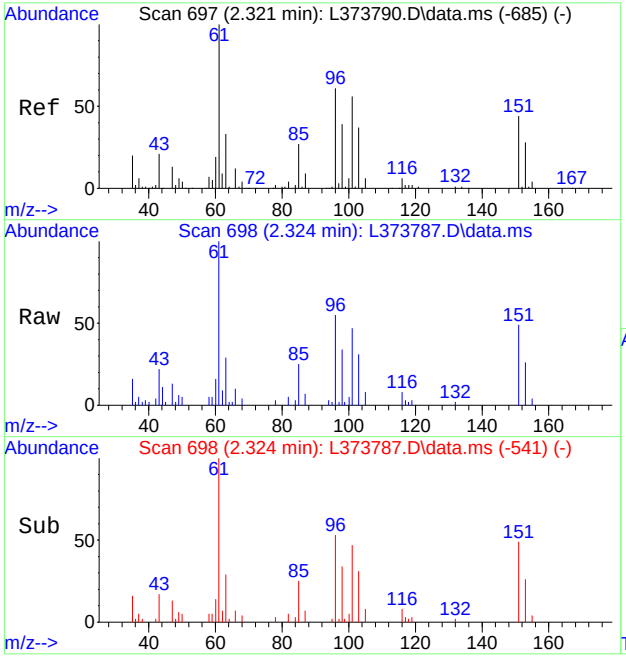


#15
acrolein
Concen: 3.25 ug/L
RT: 2.260 min Scan# 678
Delta R.T. 0.006 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 56 Resp: 2068

Ion	Ratio	Lower	Upper
56	100		
55	83.2	42.9	102.9
53	16.4	0.0	38.0

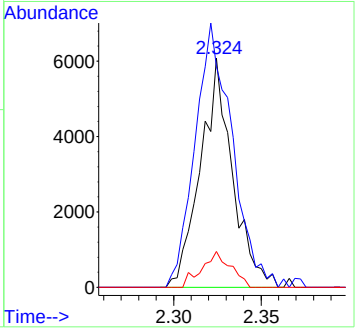


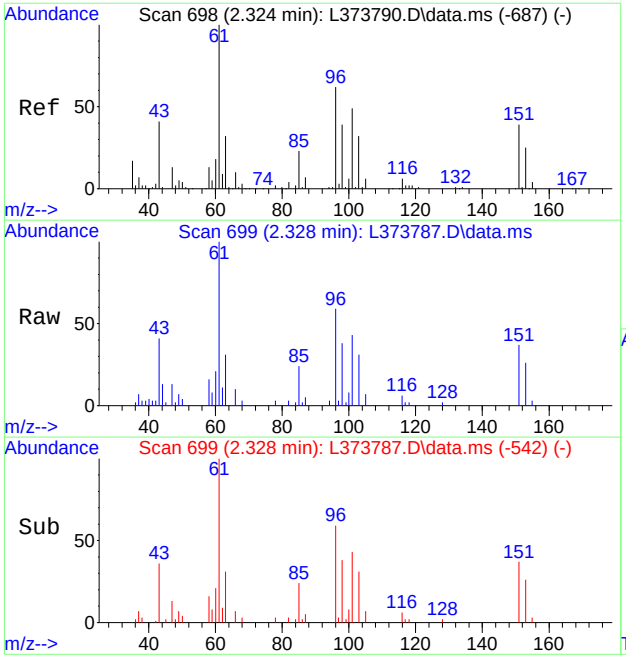


#16
freon 113
Concen: 4.61 ug/L
RT: 2.324 min Scan# 698
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion:151 Resp: 7755

Ion	Ratio	Lower	Upper
151	100		
101	96.5	107.4	147.4#
116	15.6	0.0	33.9

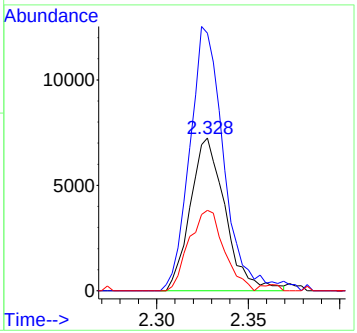


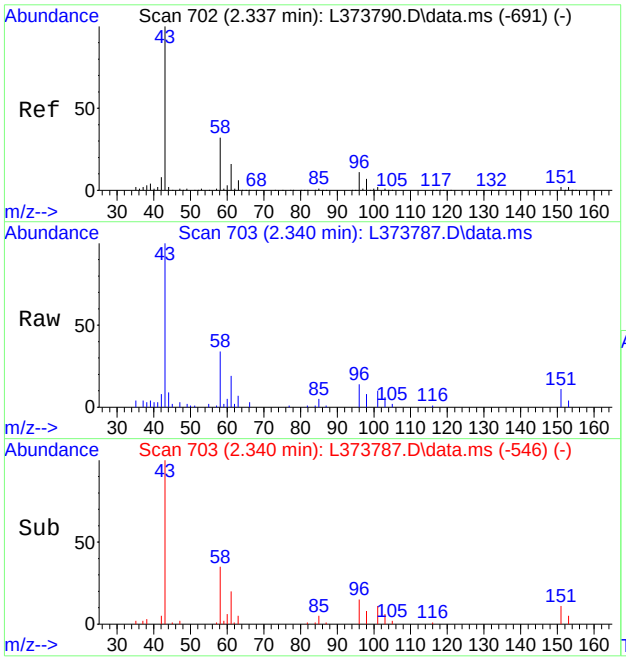


#17
1,1-dichloroethene
Concen: 4.44 ug/L
RT: 2.328 min Scan# 699
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 96 Resp: 9653

Ion	Ratio	Lower	Upper
96	100		
61	168.8	131.4	191.4
63	52.8	22.3	82.3

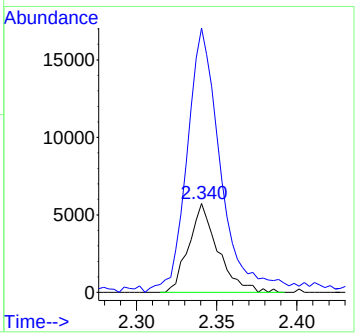


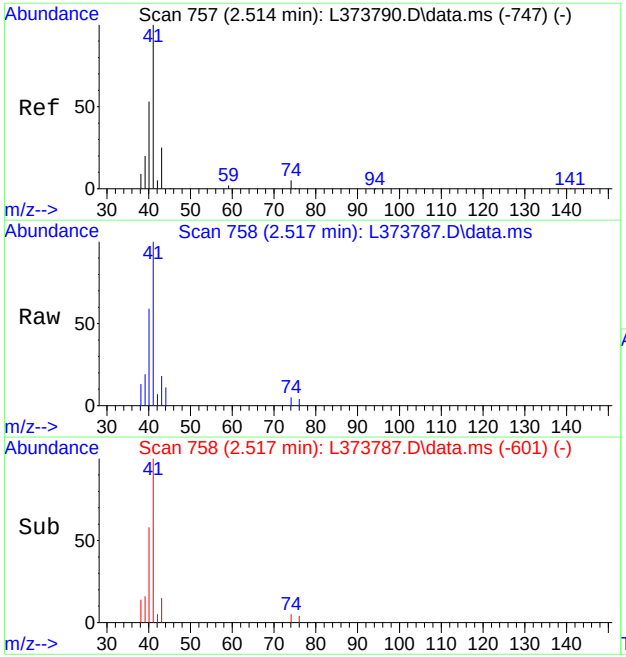


#18
acetone
Concen: 16.20 ug/L
RT: 2.340 min Scan# 703
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 58 Resp: 7291

Ion	Ratio	Lower	Upper
58	100		
43	288.6	286.5	346.5

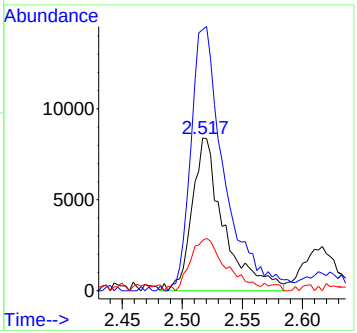


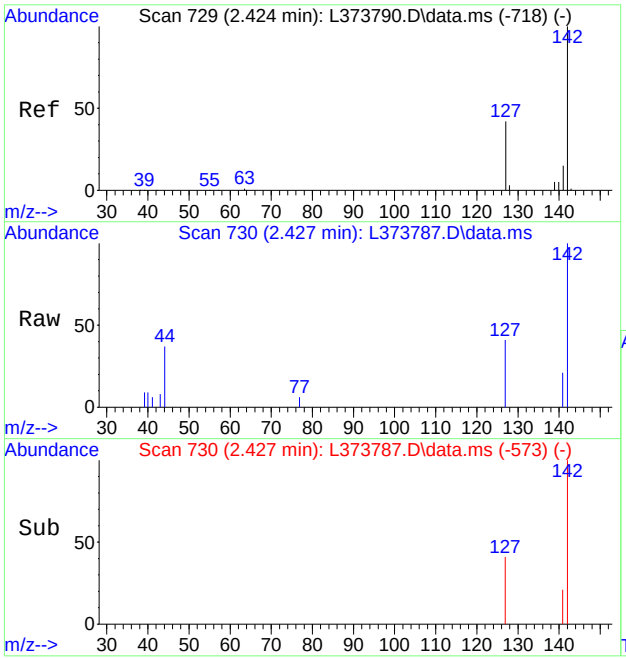


#19
acetonitrile
Concen: 49.62 ug/L
RT: 2.517 min Scan# 758
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 40 Resp: 15464

Ion	Ratio	Lower	Upper
40	100		
41	167.9	158.5	218.5
39	33.0	8.2	68.2

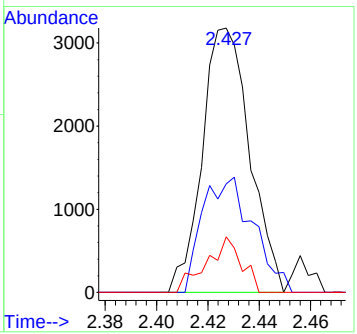


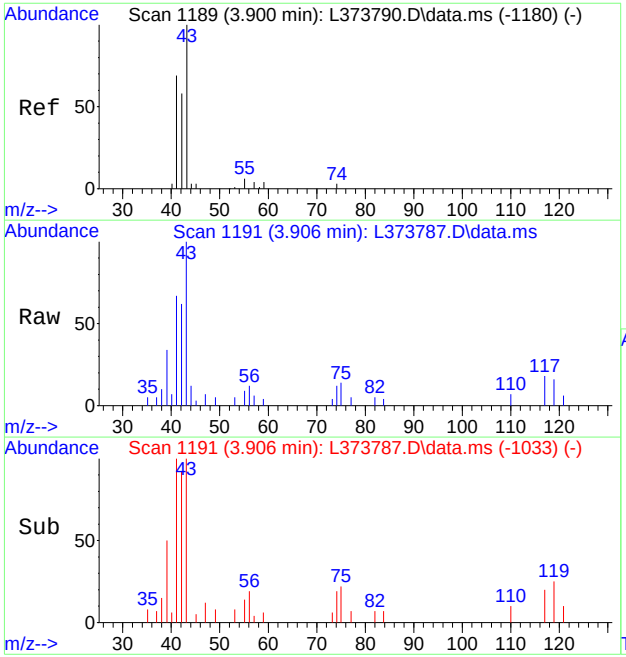


#20
iodomethane
Concen: 2.92 ug/L
RT: 2.427 min Scan# 730
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion:142 Resp: 4094

Ion	Ratio	Lower	Upper
142	100		
127	41.0	12.2	72.2
141	21.0	0.0	44.6

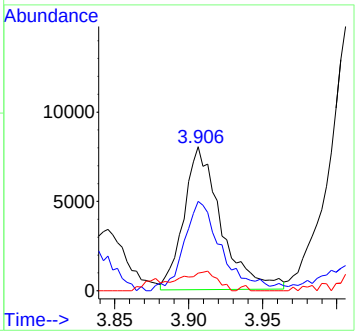


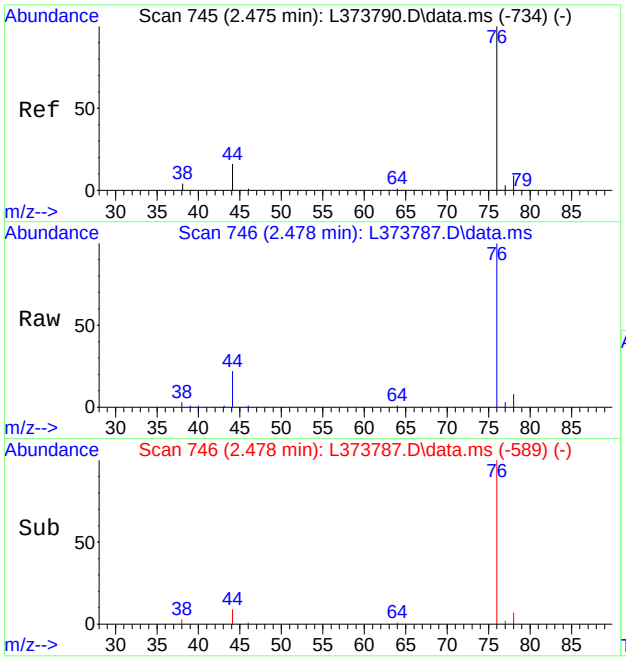


#21
iso-butyl alcohol
Concen: 49.07 ug/L
RT: 3.906 min Scan# 1191
Delta R.T. 0.006 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 43 Resp: 14019

Ion	Ratio	Lower	Upper
43	100		
42	61.3	28.3	88.3
74	12.8	0.0	40.9

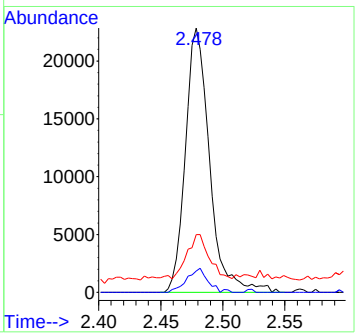


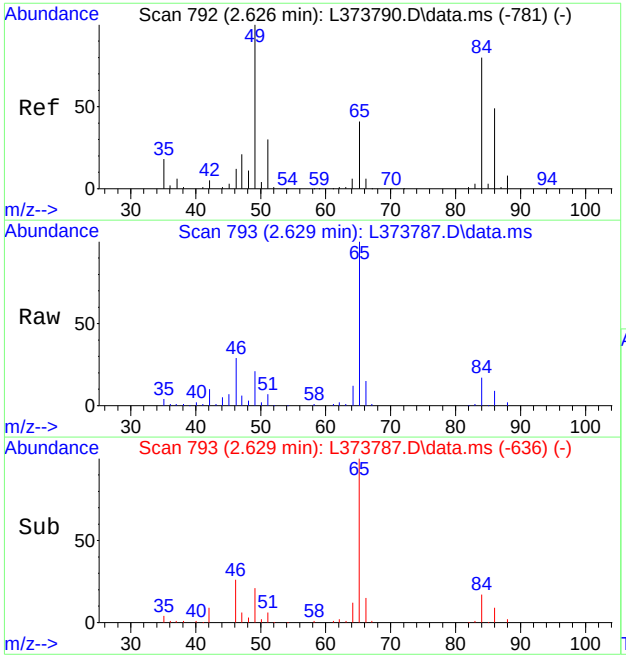


#22
carbon disulfide
Concen: 4.36 ug/L
RT: 2.478 min Scan# 746
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 76 Resp: 30936

Ion	Ratio	Lower	Upper
76	100		
78	8.0	0.0	38.9
44	16.4	0.0	46.1

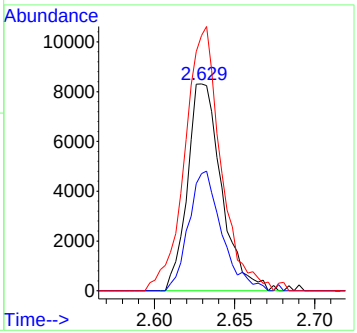


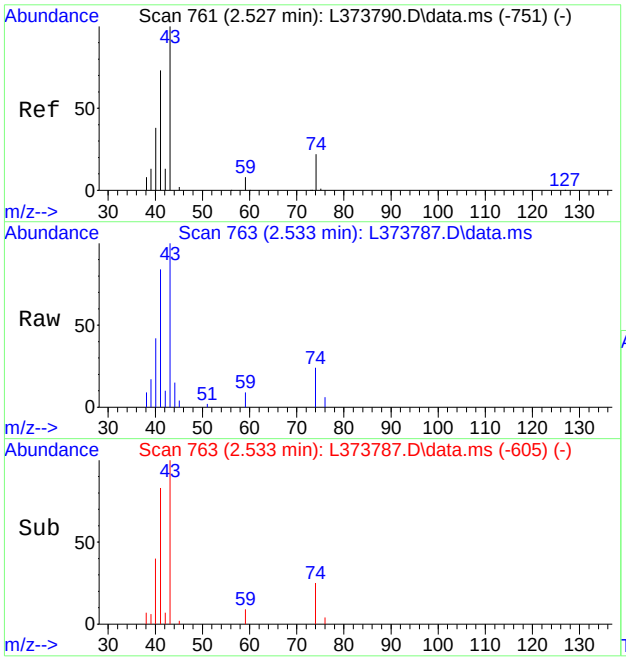


#23
methylene chloride
Concen: 4.37 ug/L
RT: 2.629 min Scan# 793
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 84 Resp: 12288

Ion	Ratio	Lower	Upper
84	100		
86	56.6	31.2	91.2
49	119.4	95.6	155.6

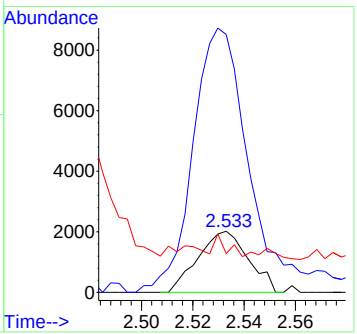


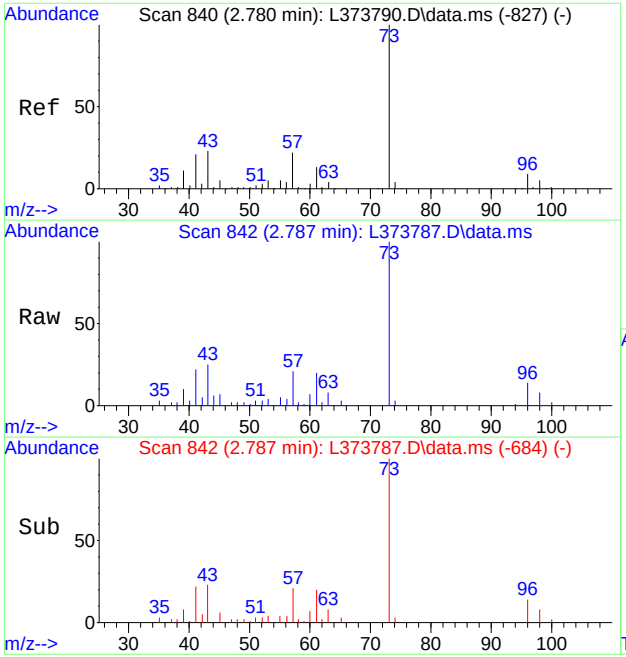


#24
methyl acetate
Concen: 3.77 ug/L
RT: 2.533 min Scan# 763
Delta R.T. 0.006 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 74 Resp: 2749

Ion	Ratio	Lower	Upper
74	100		
43	394.6	417.7	477.7#
44	6.1	0.0	39.0

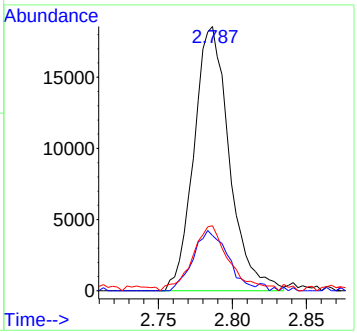


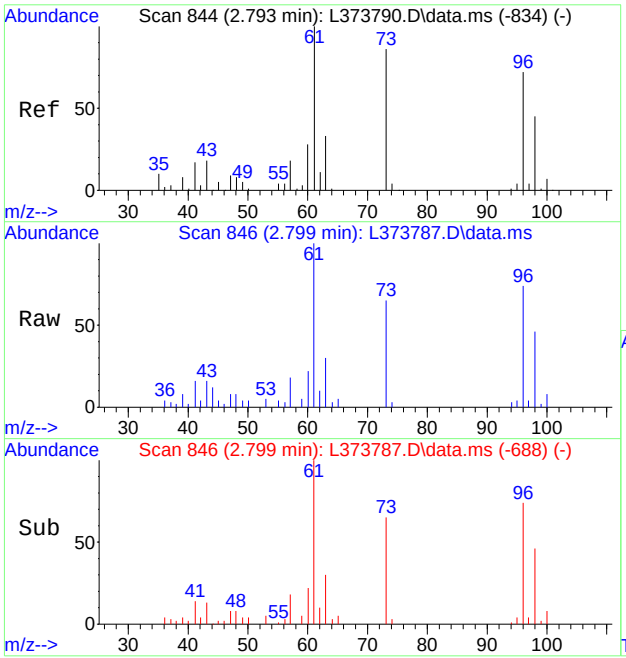


#25
methyl tert butyl ether
Concen: 4.40 ug/L
RT: 2.787 min Scan# 842
Delta R.T. 0.006 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 73 Resp: 30855

Ion	Ratio	Lower	Upper
73	100		
57	20.9	0.0	52.4
43	24.6	0.0	52.7

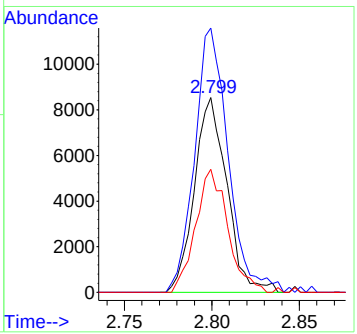


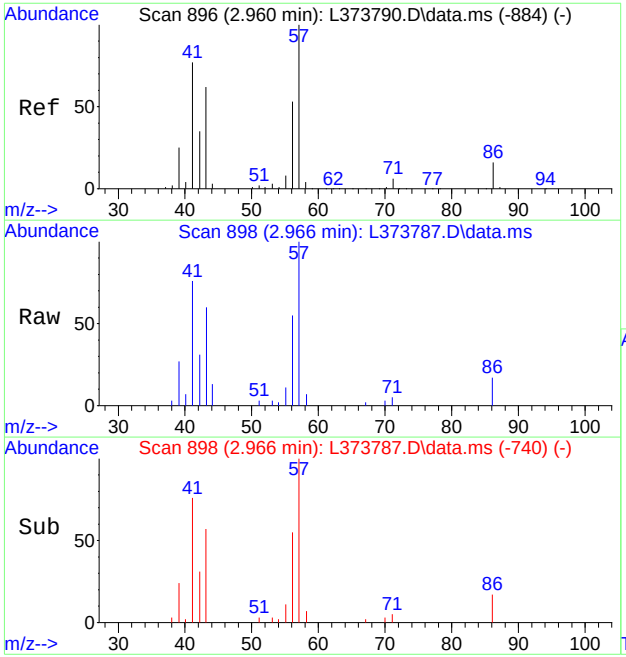


#26
trans-1,2-dichloroethene
Concen: 4.43 ug/L
RT: 2.799 min Scan# 846
Delta R.T. 0.006 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 96 Resp: 11040

Ion	Ratio	Lower	Upper
96	100		
61	135.7	109.1	169.1
98	63.1	32.0	92.0

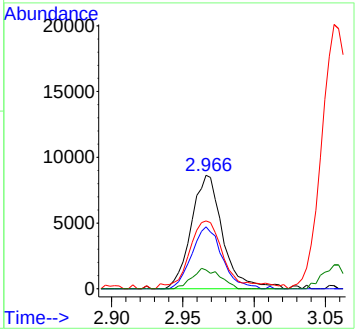


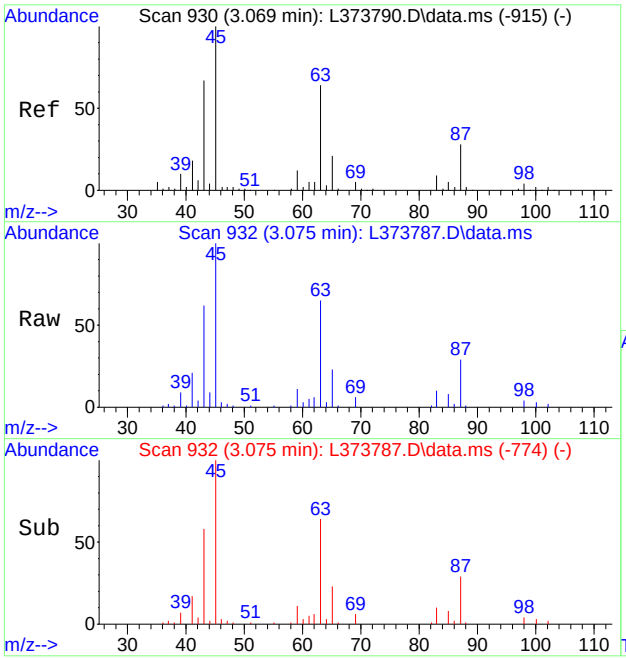


#27
hexane
Concen: 4.46 ug/L
RT: 2.966 min Scan# 898
Delta R.T. 0.006 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 57 Resp: 13268

Ion	Ratio	Lower	Upper
57	100		
56	54.6	32.9	72.9
43	55.9	41.9	81.9
86	16.7	0.0	36.3

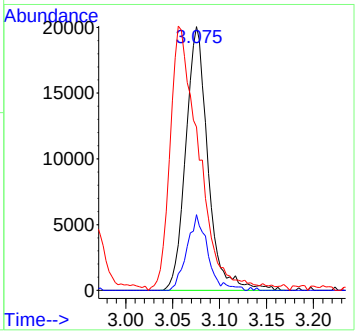


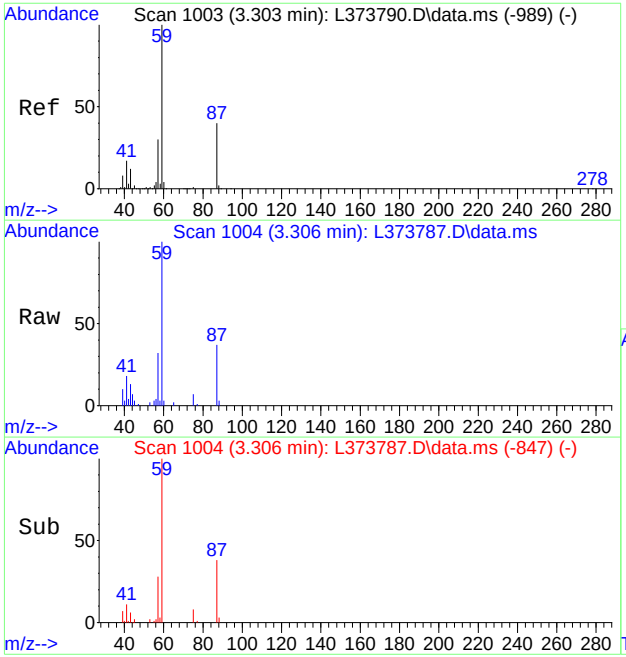


#28
di-isopropyl ether
Concen: 4.43 ug/L
RT: 3.075 min Scan# 932
Delta R.T. 0.006 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 45 Resp: 32997

Ion	Ratio	Lower	Upper
45	100		
87	28.8	0.0	57.5
43	59.7	37.5	97.5

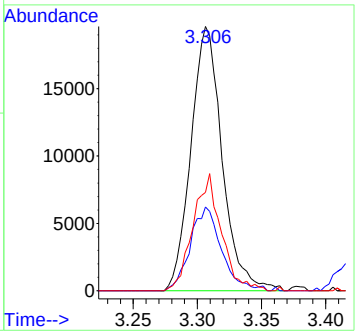


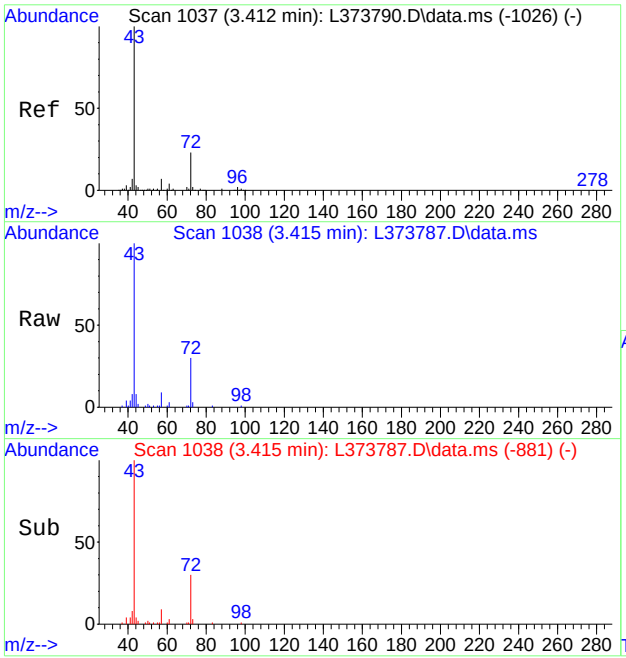


#29
ethyl tert-butyl ether
Concen: 4.40 ug/L
RT: 3.306 min Scan# 1004
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 59 Resp: 33328

Ion	Ratio	Lower	Upper
59	100		
57	31.7	0.3	60.3
87	37.2	9.6	69.6

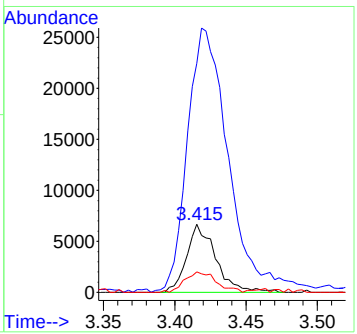


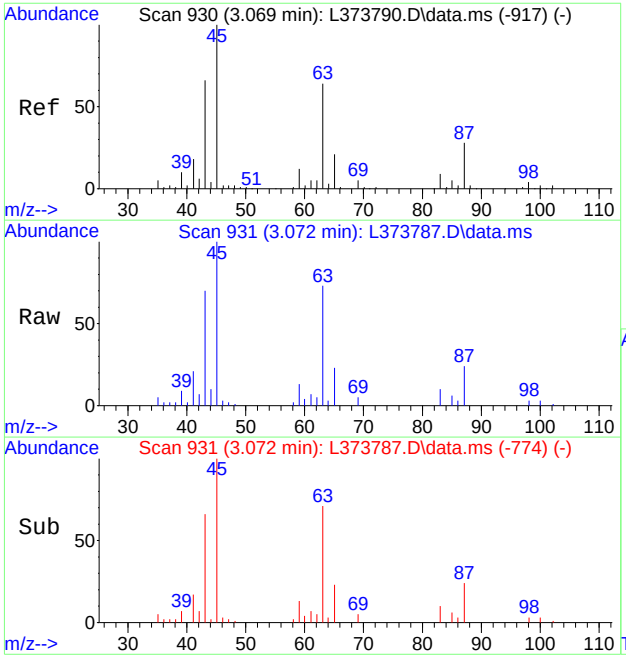


#30
2-butanone
Concen: 18.27 ug/L
RT: 3.415 min Scan# 1038
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 72 Resp: 9499

Ion	Ratio	Lower	Upper
72	100		
43	332.0	411.9	471.9#
57	30.1	2.4	62.4

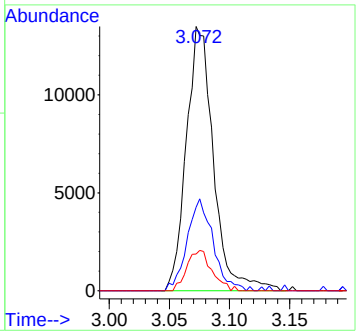


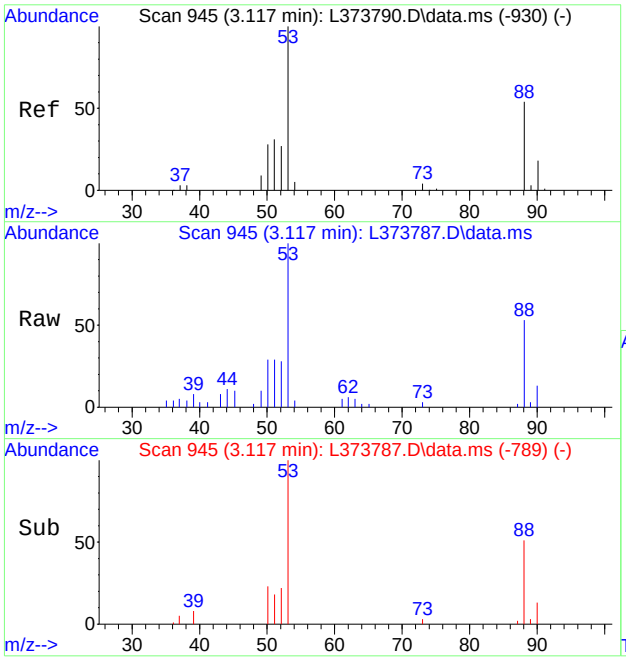


#31
1,1-dichloroethane
Concen: 4.51 ug/L
RT: 3.072 min Scan# 931
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 63 Resp: 21201

Ion	Ratio	Lower	Upper
63	100		
65	31.6	2.5	62.5
83	13.9	0.0	43.5

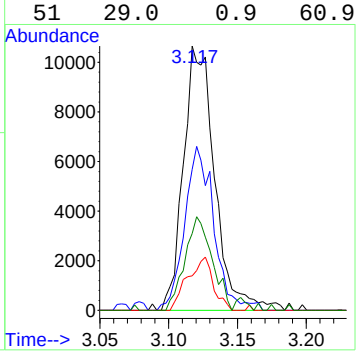


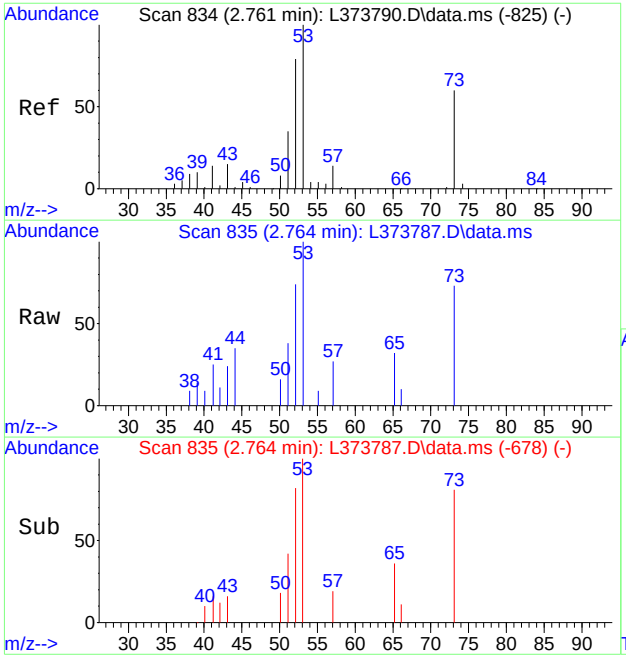


#32
chloroprene
Concen: 4.38 ug/L
RT: 3.117 min Scan# 945
Delta R.T. 0.000 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 53 Resp: 16867

Ion	Ratio	Lower	Upper
53	100		
88	53.3	26.2	86.2
90	13.0	0.0	47.9
51	29.0	0.9	60.9

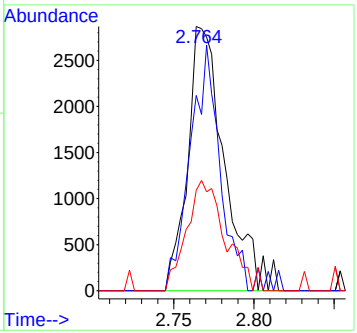


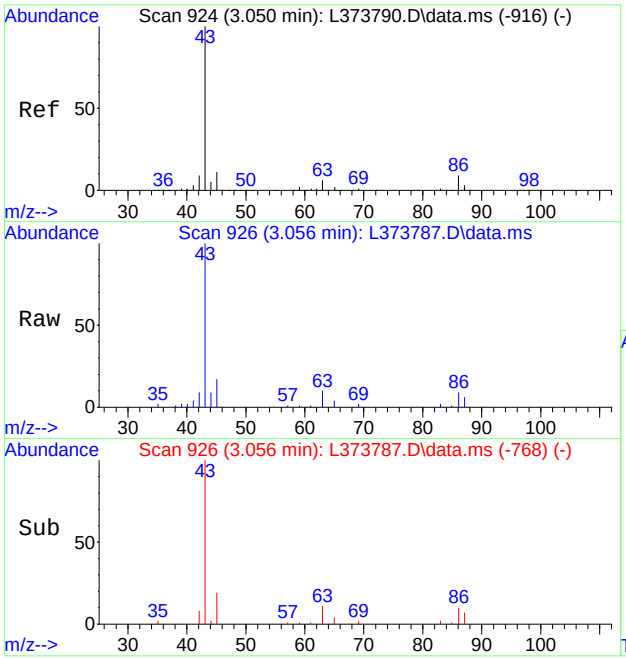


#33
acrylonitrile
Concen: 3.30 ug/L
RT: 2.764 min Scan# 835
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 53 Resp: 4609

Ion	Ratio	Lower	Upper
53	100		
52	73.9	48.8	108.8
51	38.0	4.6	64.6

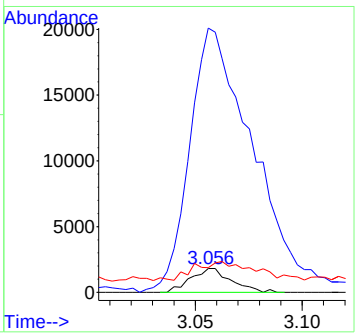


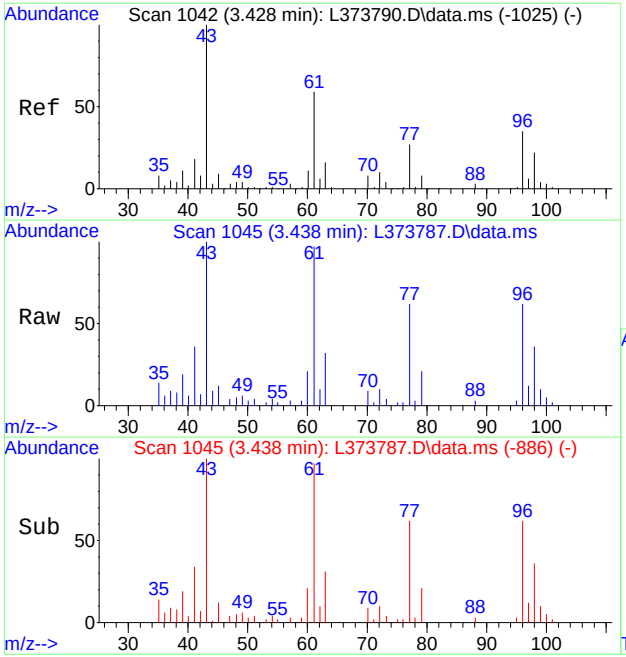


#34
vinyl acetate
Concen: 3.86 ug/L
RT: 3.056 min Scan# 926
Delta R.T. 0.006 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 86 Resp: 2394

Ion	Ratio	Lower	Upper
86	100		
43	1070.8	1076.3	1136.3#
44	42.2	23.6	83.6

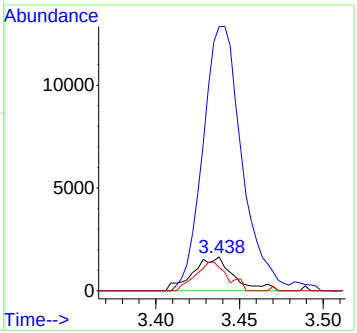


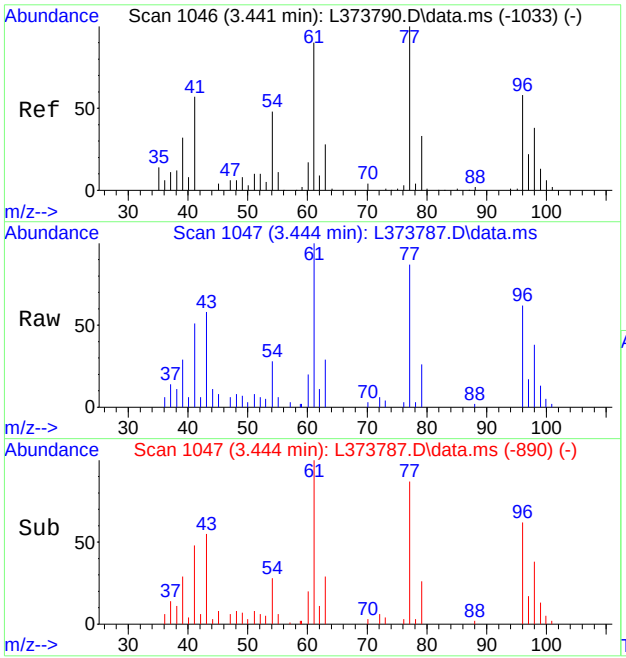


#35
ethyl acetate
Concen: 3.68 ug/L
RT: 3.438 min Scan# 1045
Delta R.T. 0.010 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 45 Resp: 2750

Ion	Ratio	Lower	Upper
45	100		
61	778.3	598.6	658.6#
70	68.6	53.6	113.6

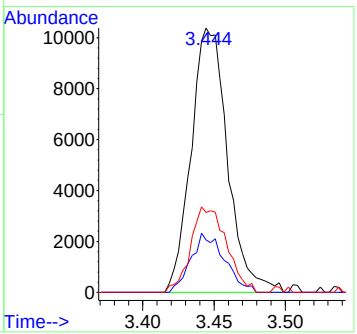


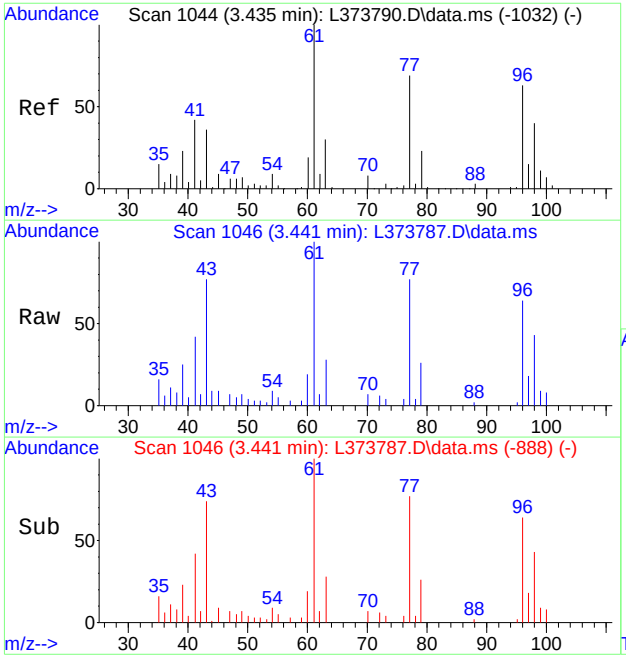


#36
2,2-dichloropropane
Concen: 4.28 ug/L
RT: 3.444 min Scan# 1047
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 77 Resp: 18516

Ion	Ratio	Lower	Upper
77	100		
97	19.9	0.0	52.3
79	30.3	3.0	63.0

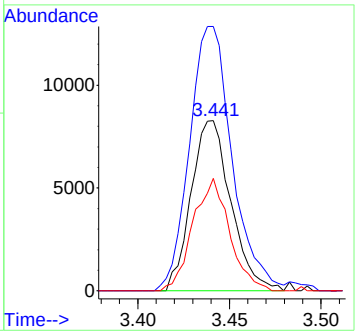


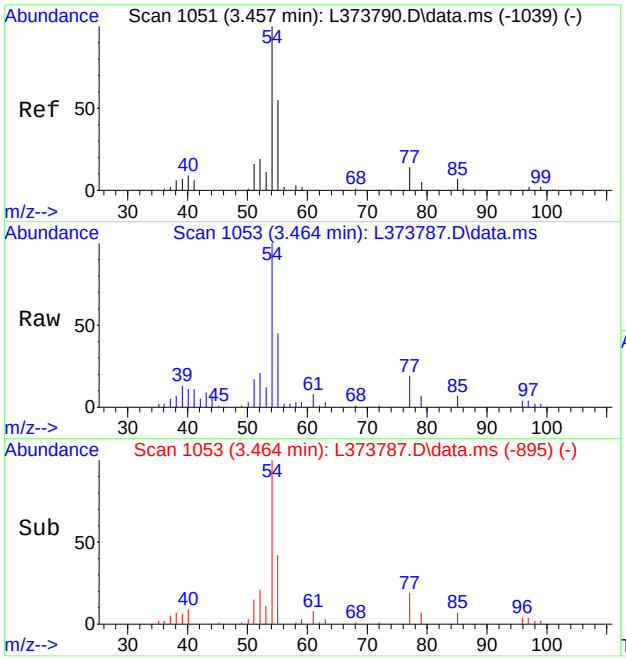


#37
cis-1,2-dichloroethene
Concen: 4.55 ug/L
RT: 3.441 min Scan# 1046
Delta R.T. 0.006 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 96 Resp: 12511

Ion	Ratio	Lower	Upper
96	100		
61	152.4	128.7	188.7
98	66.1	34.1	94.1

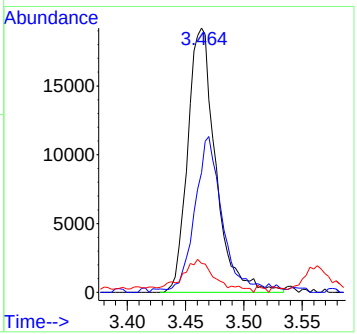


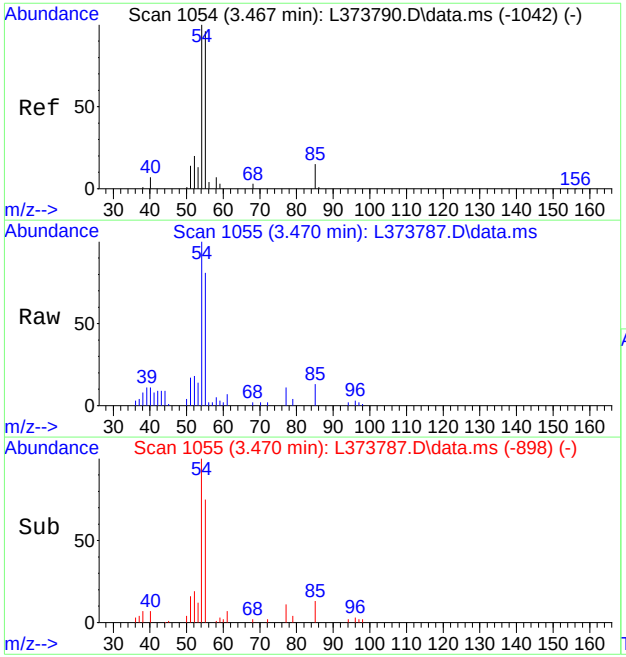


#38
propionitrile
Concen: 41.66 ug/L
RT: 3.464 min Scan# 1053
Delta R.T. 0.006 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 54 Resp: 32047

Ion	Ratio	Lower	Upper
54	100		
55	44.1	25.4	85.4
40	9.4	0.0	39.0

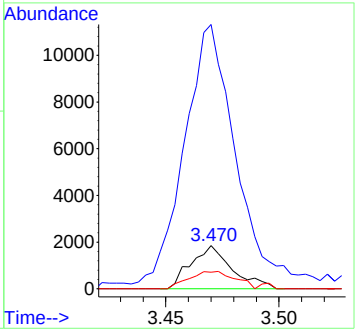


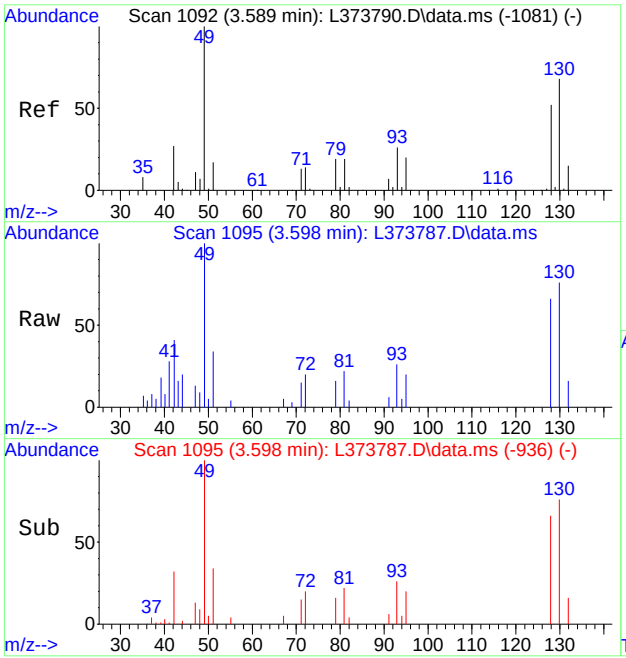


#39
methyl acrylate
Concen: 4.13 ug/L
RT: 3.470 min Scan# 1055
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 85 Resp: 2332

Ion	Ratio	Lower	Upper
85	100		
55	557.9	639.4	679.4#
58	38.6	29.8	69.8

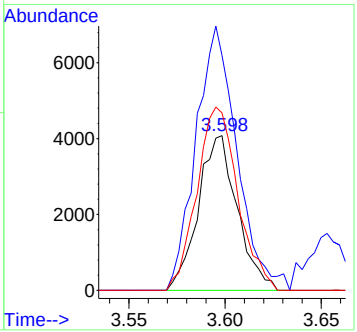


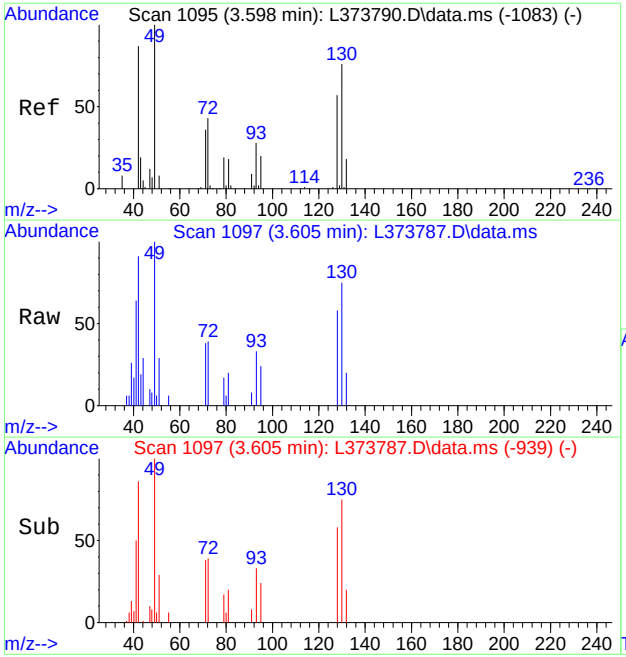


#40
bromochloromethane
Concen: 4.80 ug/L
RT: 3.598 min Scan# 1095
Delta R.T. 0.010 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion:128 Resp: 5766

Ion	Ratio	Lower	Upper
128	100		
49	151.8	163.3	223.3#
130	114.8	100.3	160.3

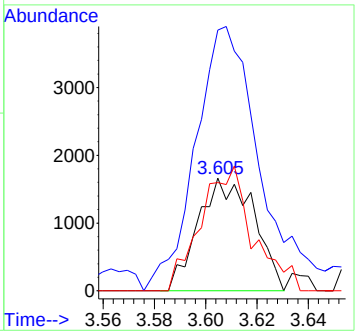


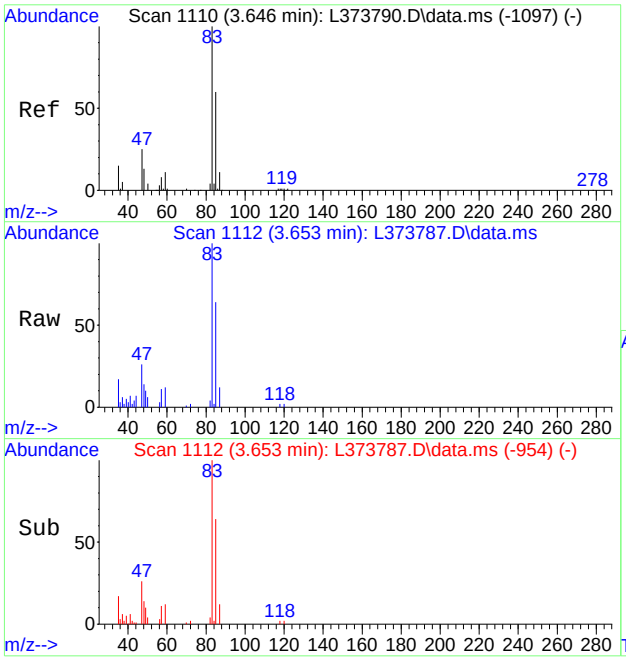


#41
tetrahydrofuran
Concen: 3.48 ug/L
RT: 3.605 min Scan# 1097
Delta R.T. 0.006 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 72 Resp: 2529

Ion	Ratio	Lower	Upper
72	100		
42	206.9	183.3	243.3
71	95.9	53.5	113.5

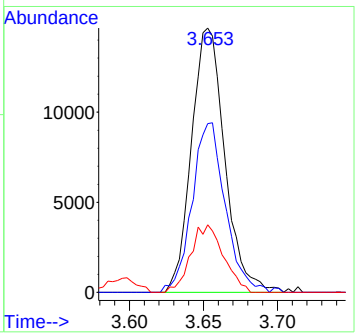


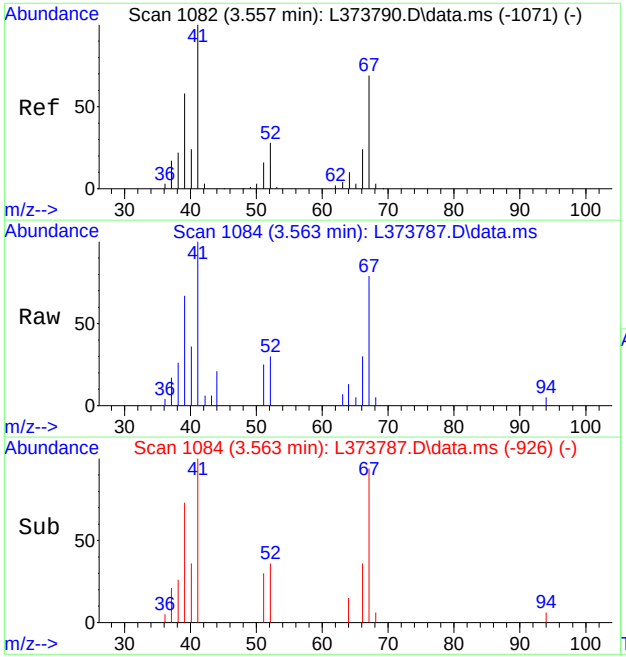


#42
chloroform
Concen: 4.03 ug/L
RT: 3.653 min Scan# 1112
Delta R.T. 0.006 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 83 Resp: 23003

Ion	Ratio	Lower	Upper
83	100		
85	63.8	29.7	89.7
47	25.5	0.0	54.6

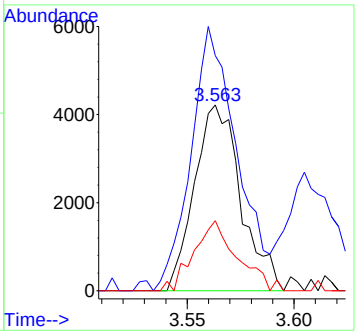


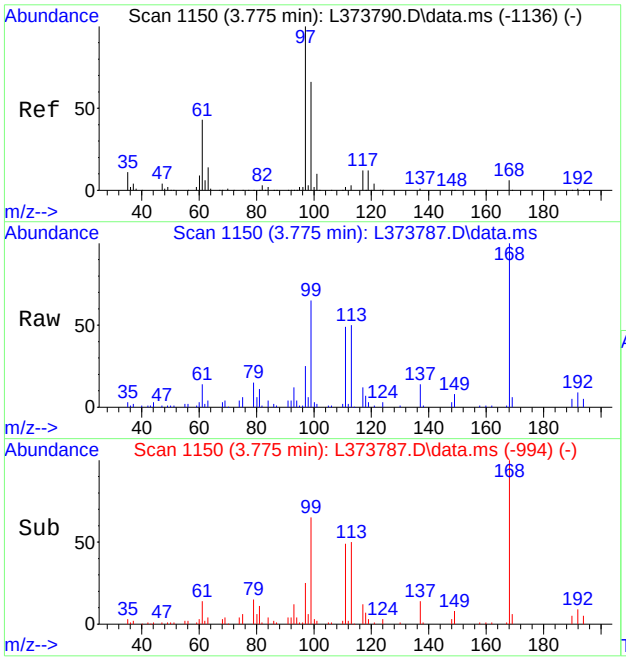


#44
methacrylonitrile
Concen: 3.95 ug/L
RT: 3.563 min Scan# 1084
Delta R.T. 0.006 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 67 Resp: 6379

Ion	Ratio	Lower	Upper
67	100		
41	121.3	115.3	175.3
66	37.7	4.3	64.3

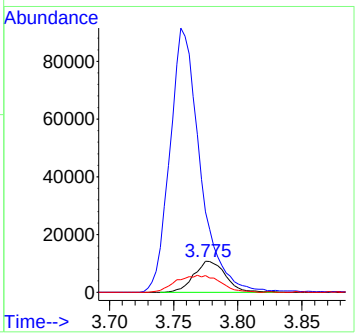


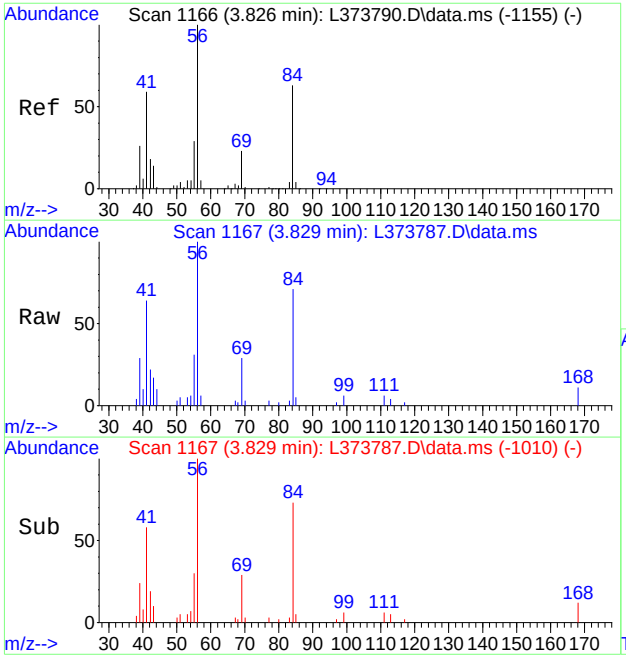


#45
1,1,1-trichloroethane
Concen: 4.55 ug/L
RT: 3.775 min Scan# 1150
Delta R.T. 0.000 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 97 Resp: 18633

Ion	Ratio	Lower	Upper
97	100		
99	253.3	41.0	101.0#
61	54.4	12.9	72.9

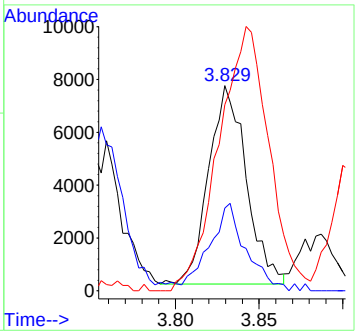


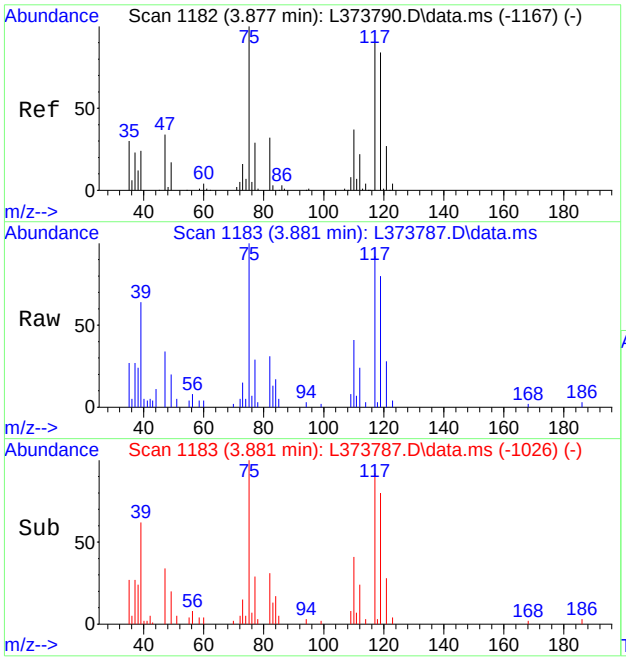


#46
cyclohexane
Concen: 3.29 ug/L
RT: 3.829 min Scan# 1167
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 84 Resp: 11786

Ion	Ratio	Lower	Upper
84	100		
69	38.5	16.2	56.2
41	93.8	73.6	113.6

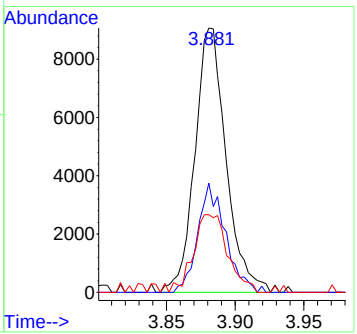


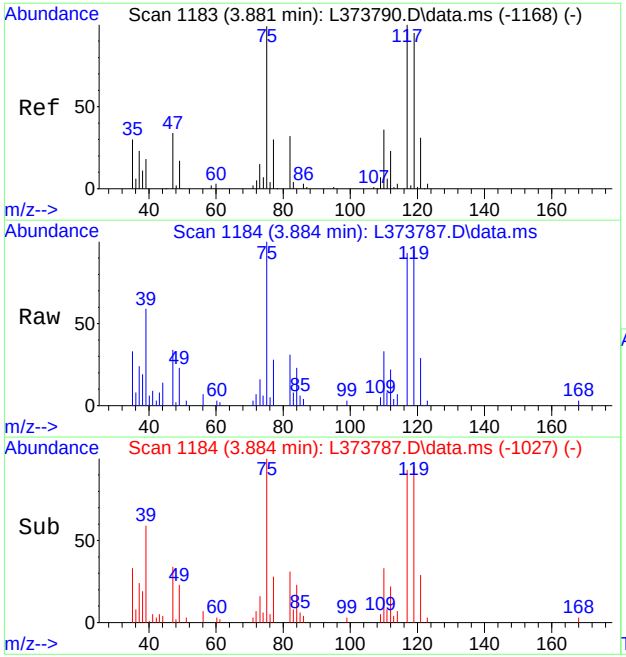


#47
1,1-dichloropropene
Concen: 4.49 ug/L
RT: 3.881 min Scan# 1183
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 75 Resp: 14367

Ion	Ratio	Lower	Upper
75	100		
110	41.3	17.0	57.0
77	29.4	10.2	50.2

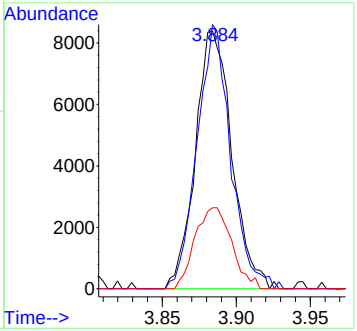


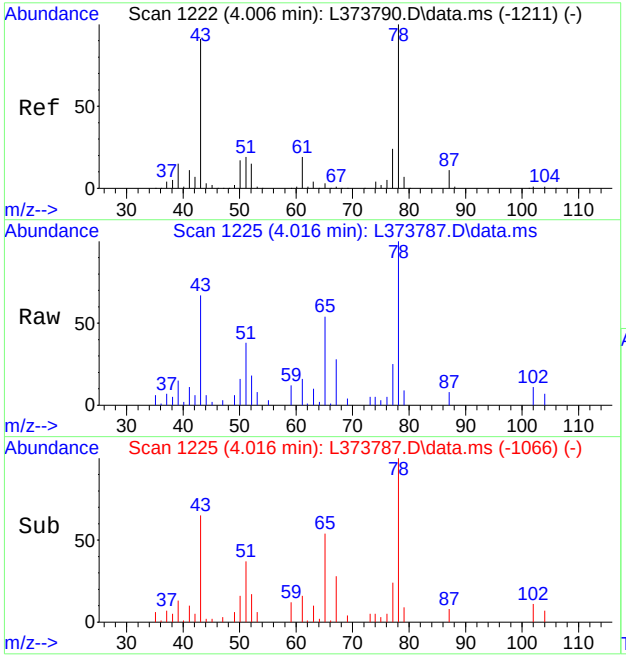


#48
carbon tetrachloride
Concen: 4.38 ug/L
RT: 3.884 min Scan# 1184
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion:117 Resp: 14403

Ion	Ratio	Lower	Upper
117	100		
119	102.5	74.4	114.4
121	31.4	10.8	50.8

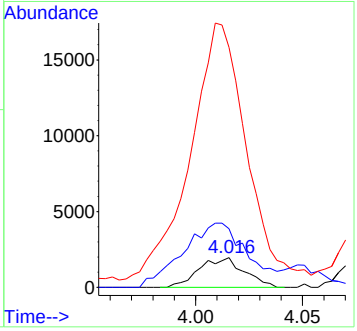


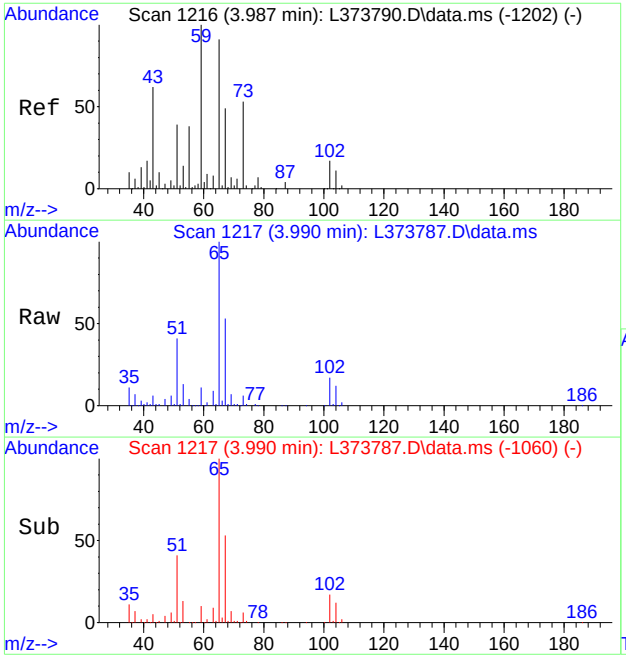


#49
isopropyl acetate
Concen: 3.74 ug/L
RT: 4.016 min Scan# 1225
Delta R.T. 0.010 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 87 Resp: 2881

Ion	Ratio	Lower	Upper
87	100		
61	144.5	152.1	192.1#
43	723.5	844.1	904.1#

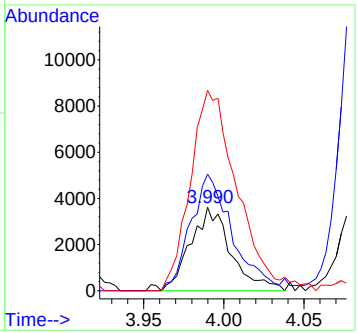


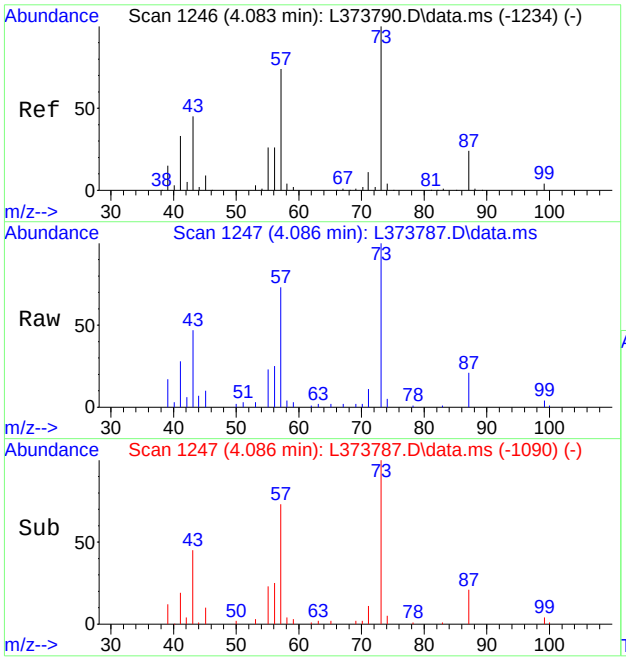


#50
tert amyl alcohol
Concen: 18.80 ug/L
RT: 3.990 min Scan# 1217
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 55 Resp: 6308

Ion	Ratio	Lower	Upper
55	100		
73	139.9	119.2	159.2
59	240.2	242.0	282.0#

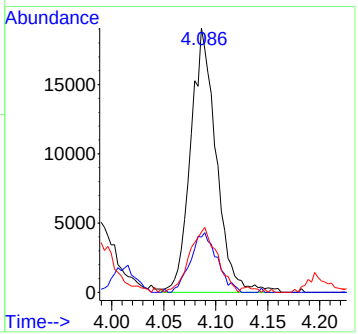


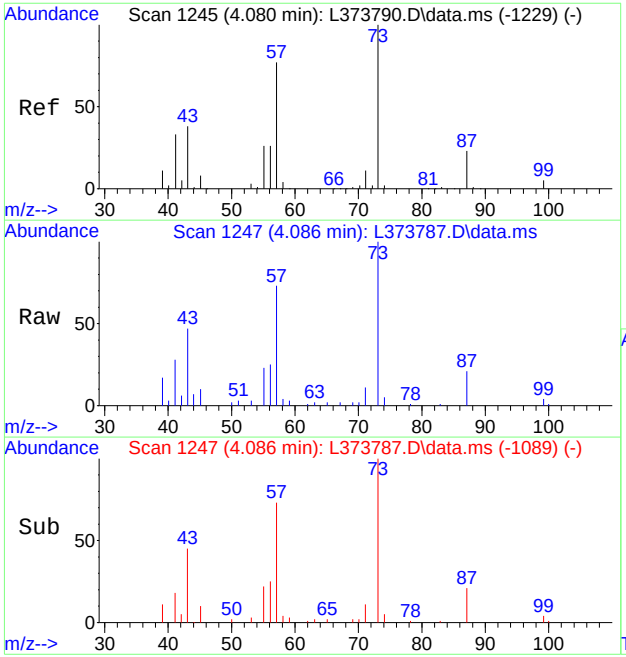


#53
tert-amyl methyl ether
Concen: 4.35 ug/L
RT: 4.086 min Scan# 1247
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 73 Resp: 32706

Ion	Ratio	Lower	Upper
73	100		
87	20.9	4.6	44.6
55	22.8	5.7	45.7

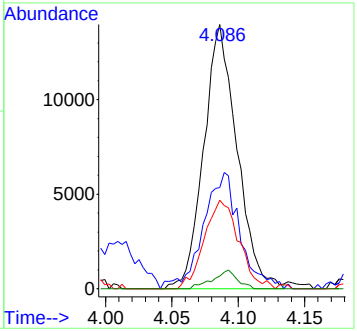


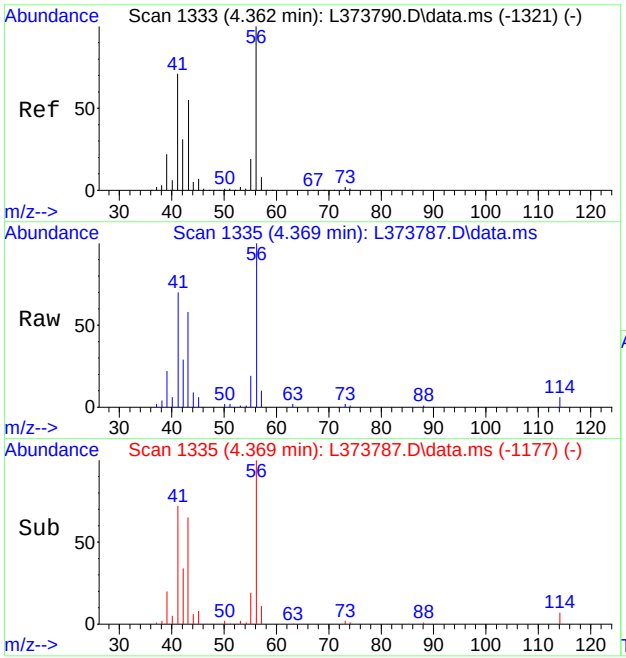


#54
2,2,4-trimethylpentane
Concen: 4.43 ug/L
RT: 4.086 min Scan# 1247
Delta R.T. 0.006 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 57 Resp: 24424

Ion	Ratio	Lower	Upper
57	100		
41	38.3	25.1	65.1
56	33.5	13.8	53.8
99	4.8	0.0	25.9

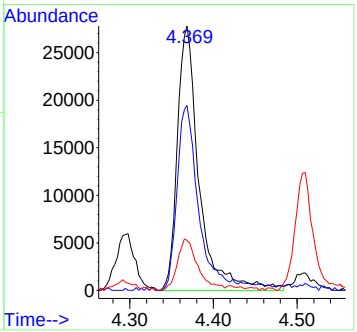


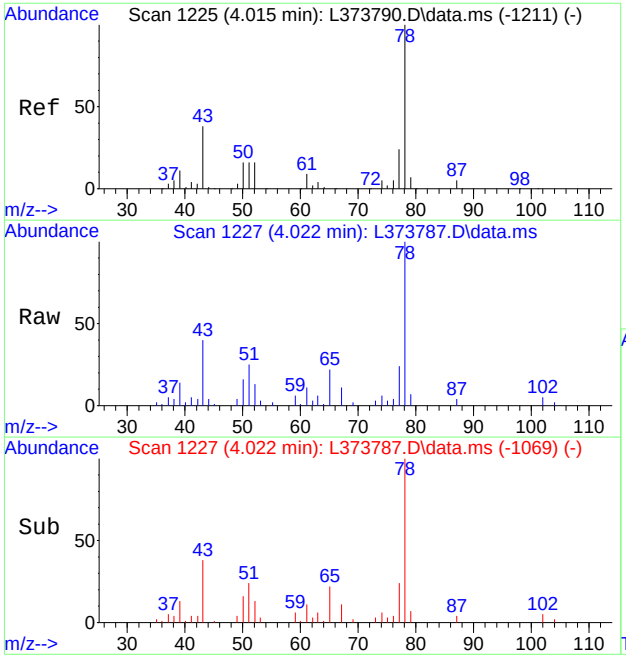


#55
n-butyl alcohol
Concen: 208.87 ug/L
RT: 4.369 min Scan# 1335
Delta R.T. 0.006 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 56 Resp: 50272

Ion	Ratio	Lower	Upper
56	100		
41	69.9	40.6	100.6
55	18.9	0.0	49.1

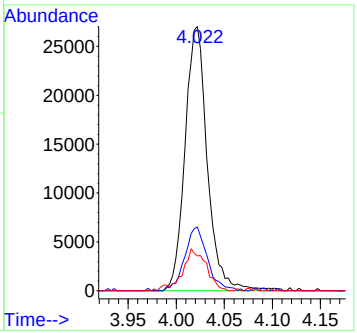


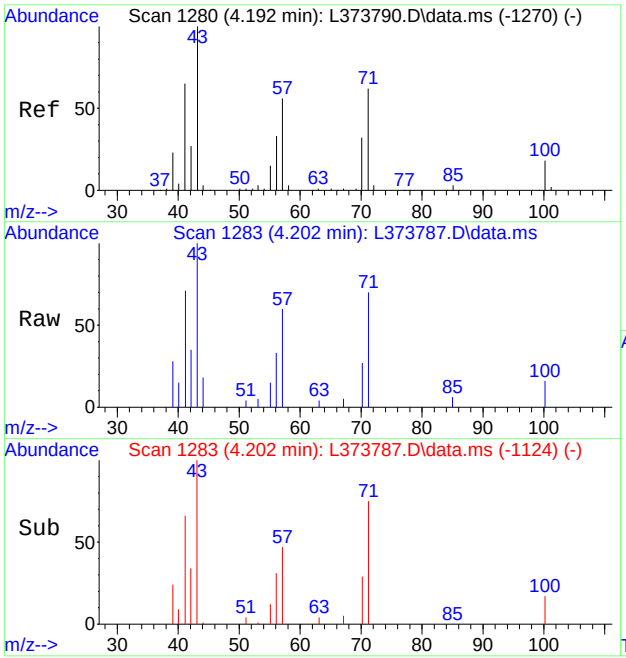


#56
benzene
Concen: 4.20 ug/L
RT: 4.022 min Scan# 1227
Delta R.T. 0.006 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 78 Resp: 43752

Ion	Ratio	Lower	Upper
78	100		
77	24.2	0.0	53.5
52	13.1	0.0	46.2

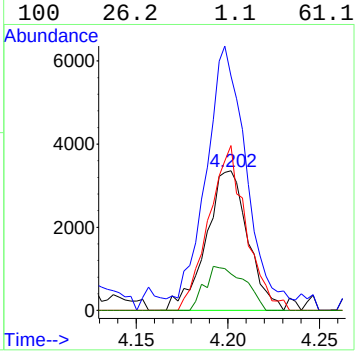


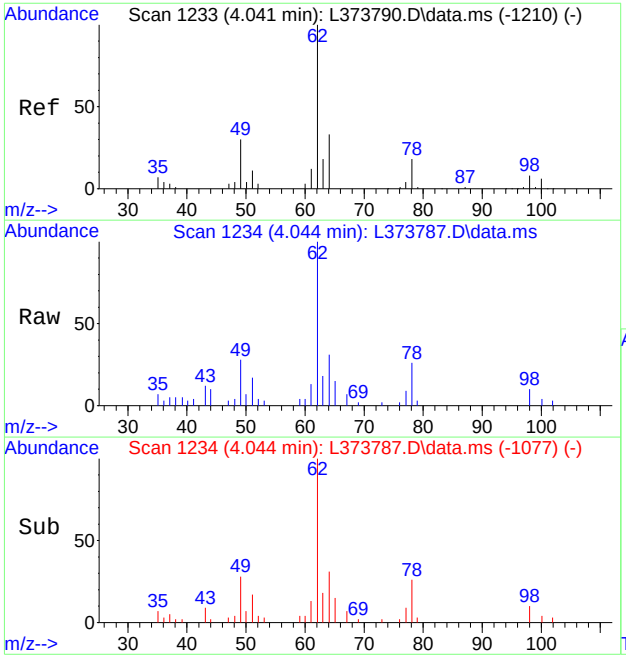


#57
heptane
Concen: 4.75 ug/L
RT: 4.202 min Scan# 1283
Delta R.T. 0.010 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 57 Resp: 5333

Ion	Ratio	Lower	Upper
57	100		
43	158.7	146.8	206.8
71	118.2	78.5	138.5
100	26.2	1.1	61.1

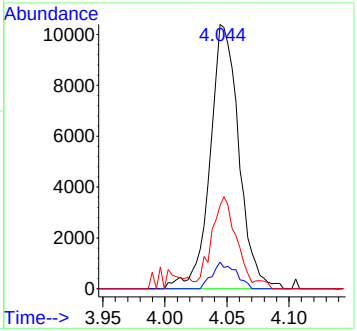


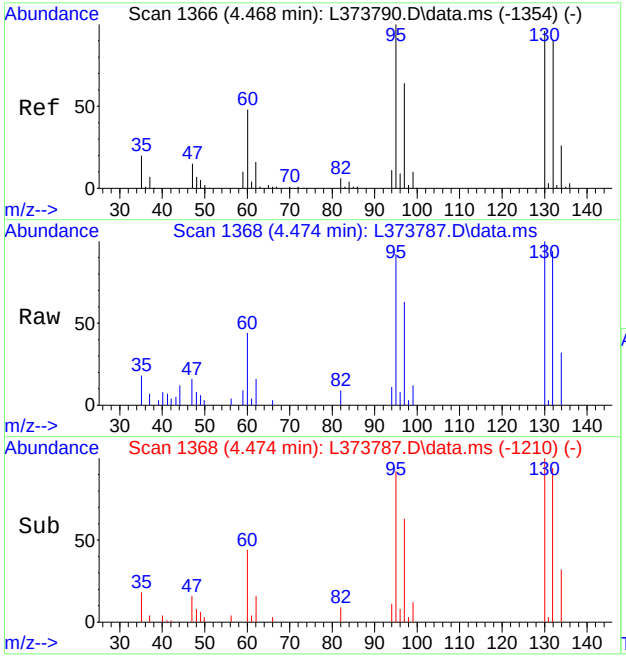


#58
1,2-dichloroethane
Concen: 4.23 ug/L
RT: 4.044 min Scan# 1234
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 62 Resp: 16814

Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	38.1
64	31.3	2.8	62.8

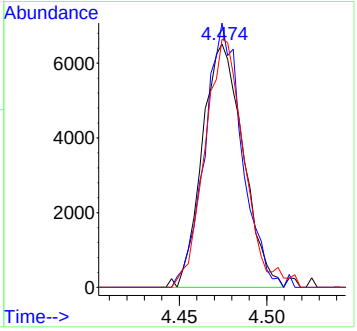


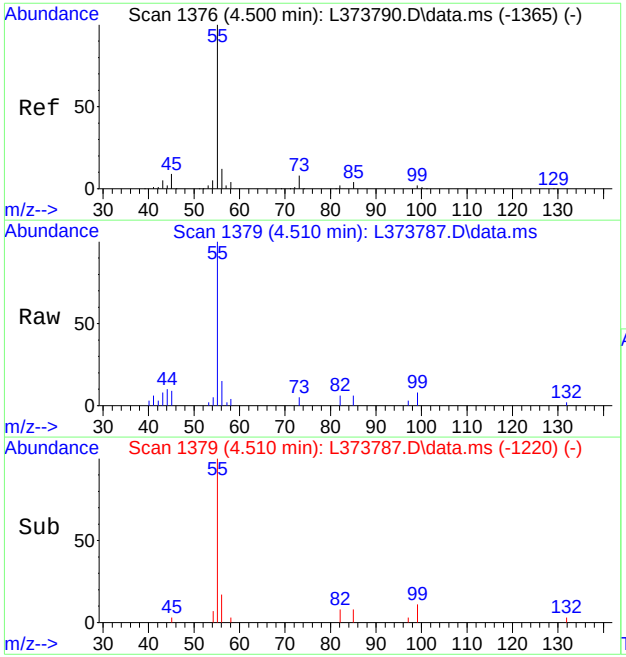


#59
trichloroethene
Concen: 4.24 ug/L
RT: 4.474 min Scan# 1368
Delta R.T. 0.006 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 95 Resp: 10637

Ion	Ratio	Lower	Upper
95	100		
130	108.7	65.5	125.5
132	102.0	59.7	119.7

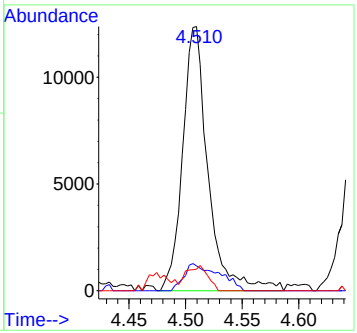


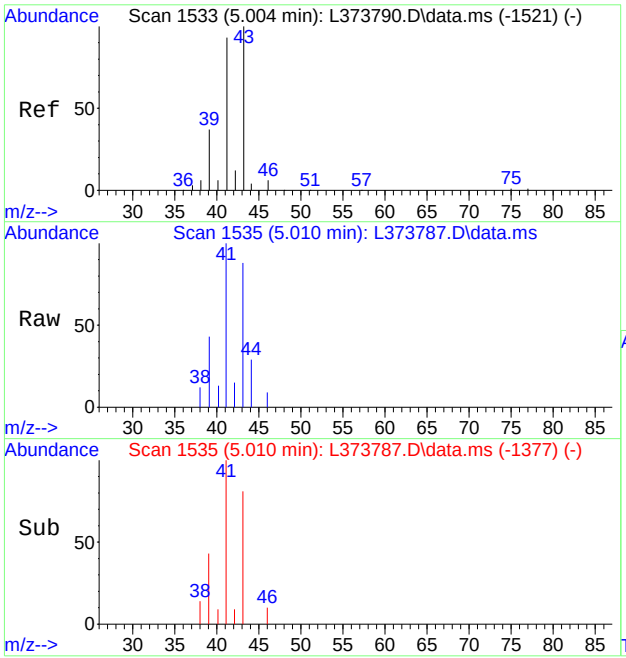


#60
ethyl acrylate
Concen: 4.02 ug/L
RT: 4.510 min Scan# 1379
Delta R.T. 0.010 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 55 Resp: 19359

Ion	Ratio	Lower	Upper
55	100		
45	9.4	0.0	28.6
99	8.2	0.0	27.8

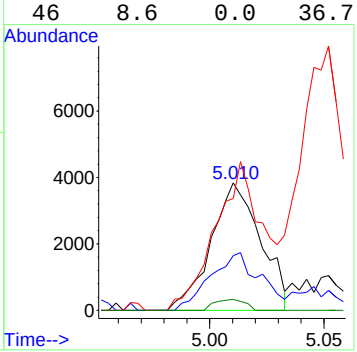


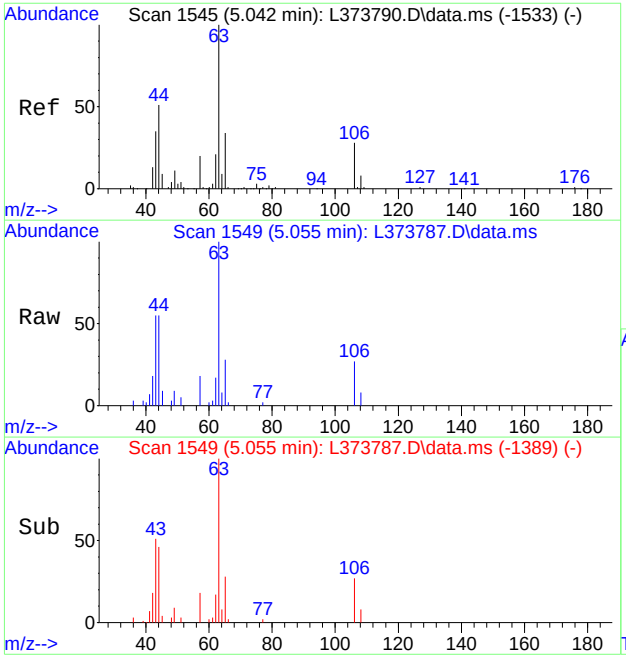


#61
2-nitropropane
Concen: 4.42 ug/L m
RT: 5.010 min Scan# 1535
Delta R.T. 0.006 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 41 Resp: 5810

Ion	Ratio	Lower	Upper
41	100		
39	42.8	10.0	70.0
43	87.8	77.9	137.9
46	8.6	0.0	36.7

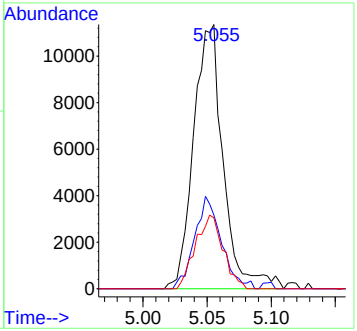


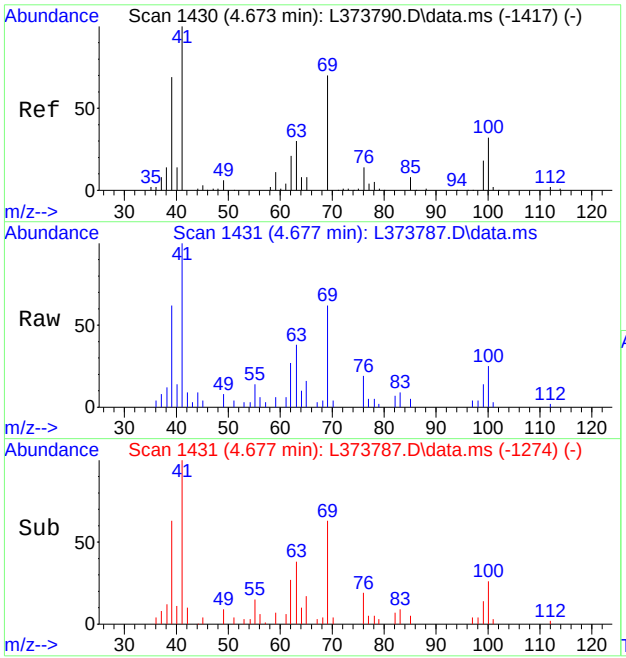


#62
2-chloroethyl vinyl ether
Concen: 20.51 ug/L
RT: 5.055 min Scan# 1549
Delta R.T. 0.013 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 63 Resp: 18283

Ion	Ratio	Lower	Upper
63	100		
65	27.9	3.9	63.9
106	26.8	0.0	57.6

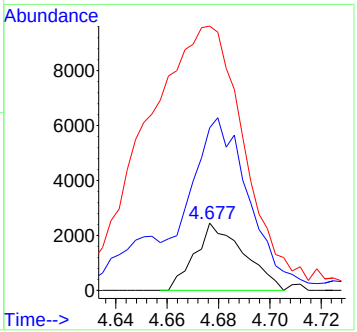


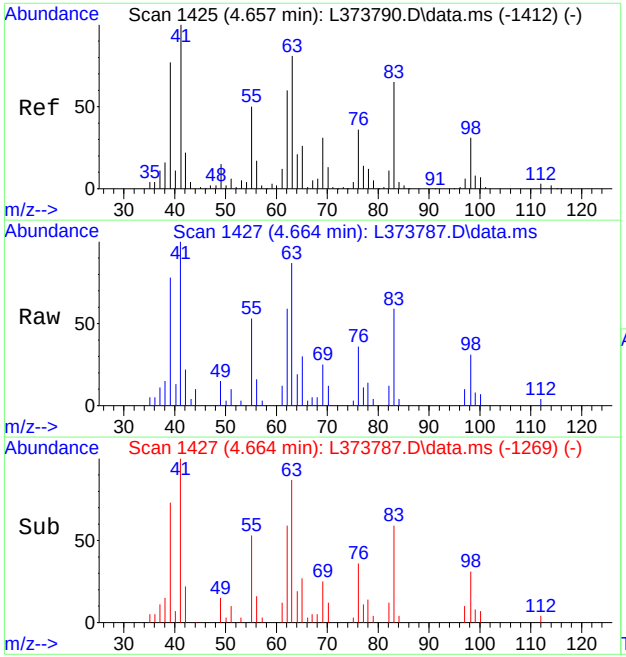


#63
methyl methacrylate
Concen: 3.65 ug/L
RT: 4.677 min Scan# 1431
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion:100 Resp: 3220

Ion	Ratio	Lower	Upper
100	100		
69	214.0	221.2	281.2#
41	344.1	360.4	420.4#

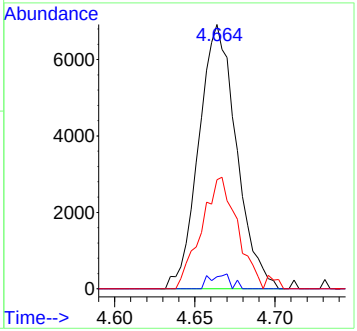


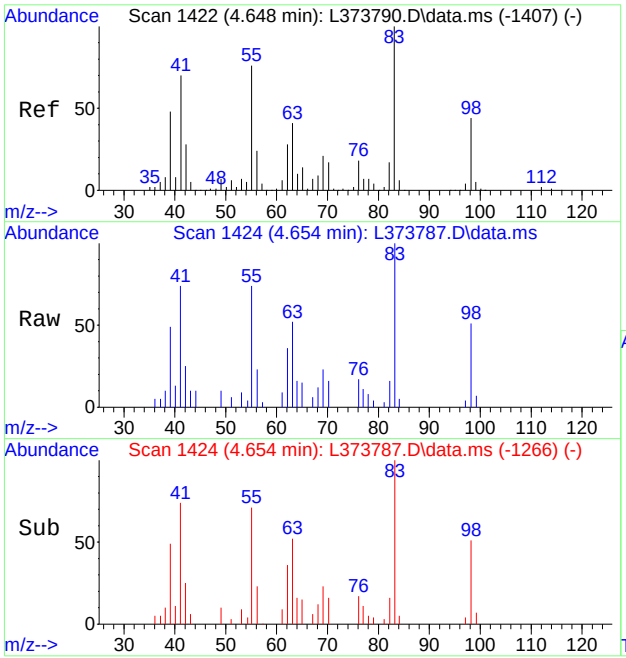


#64
1,2-dichloropropane
Concen: 4.33 ug/L
RT: 4.664 min Scan# 1427
Delta R.T. 0.006 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 63 Resp: 11296

Ion	Ratio	Lower	Upper
63	100		
112	4.6	0.0	34.1
76	41.2	14.3	74.3

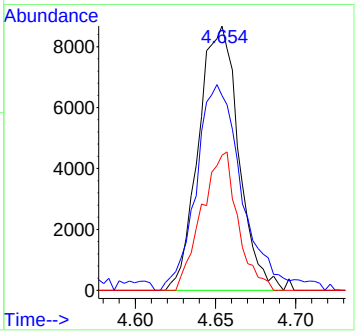


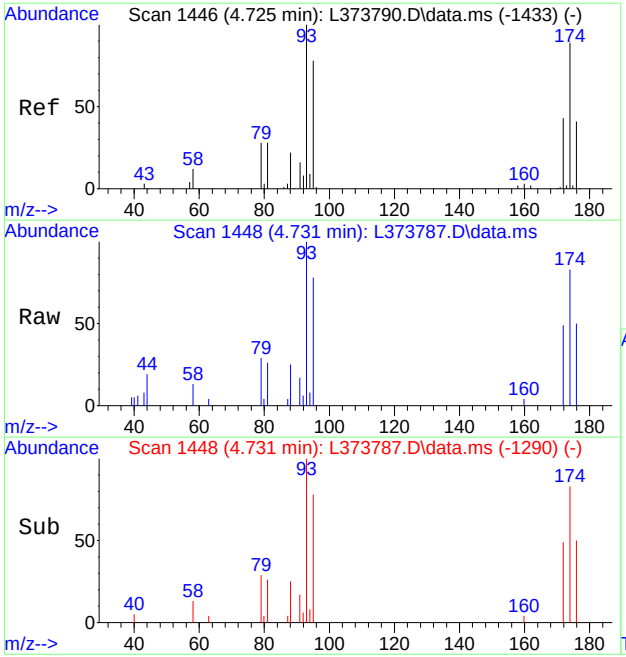


#65
methylcyclohexane
Concen: 4.52 ug/L
RT: 4.654 min Scan# 1424
Delta R.T. 0.006 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 83 Resp: 15114

Ion	Ratio	Lower	Upper
83	100		
55	73.7	46.3	106.3
98	51.1	13.7	73.7

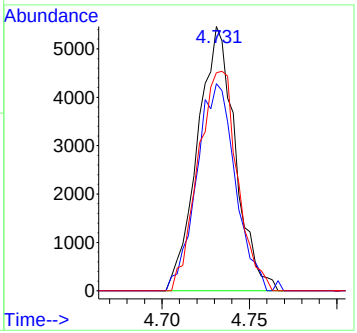


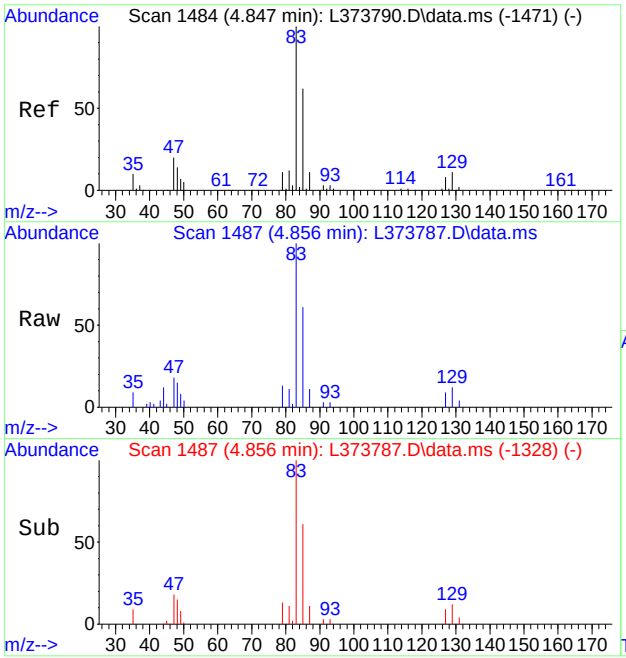


#66
dibromomethane
Concen: 4.47 ug/L
RT: 4.731 min Scan# 1448
Delta R.T. 0.006 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 93 Resp: 8182

Ion	Ratio	Lower	Upper
93	100		
95	78.3	48.3	108.3
174	82.5	59.2	119.2

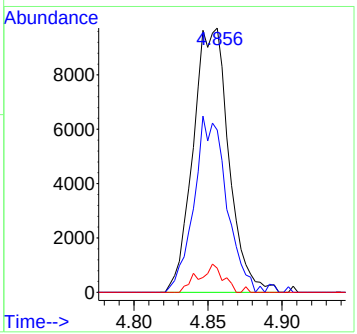


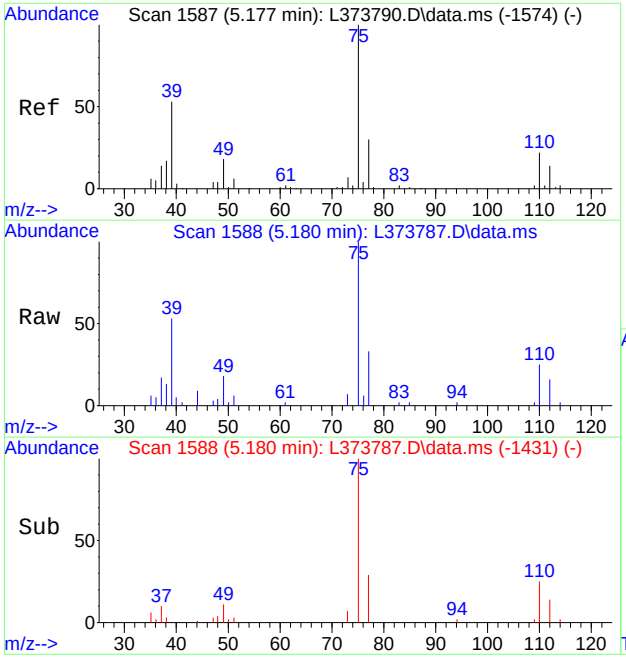


#67
bromodichloromethane
Concen: 4.36 ug/L
RT: 4.856 min Scan# 1487
Delta R.T. 0.010 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 83 Resp: 16290

Ion	Ratio	Lower	Upper
83	100		
85	61.4	31.5	91.5
127	9.2	0.0	38.3

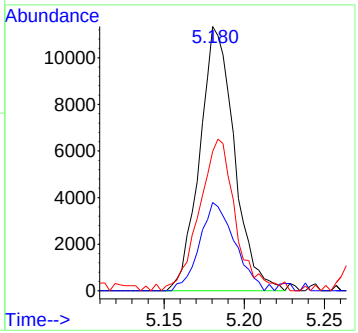


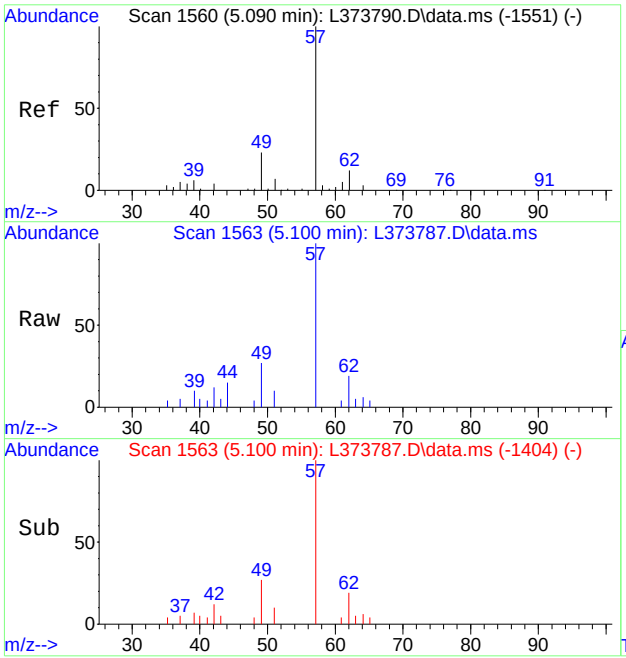


#68
cis-1,3-dichloropropene
Concen: 4.04 ug/L
RT: 5.180 min Scan# 1588
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 75 Resp: 17049

Ion	Ratio	Lower	Upper
75	100		
77	33.4	0.1	60.1
39	52.6	23.1	83.1

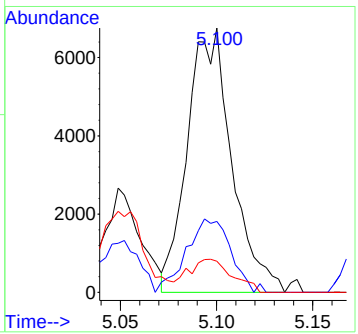


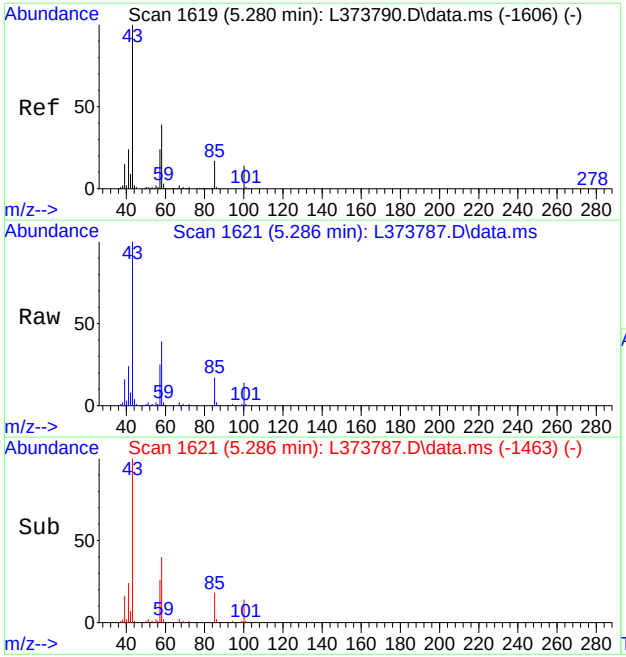


#69
epichlorohydrin
Concen: 19.16 ug/L
RT: 5.100 min Scan# 1563
Delta R.T. 0.010 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 57 Resp: 10839

Ion	Ratio	Lower	Upper
57	100		
49	26.8	1.0	41.0
42	11.7	0.0	29.5

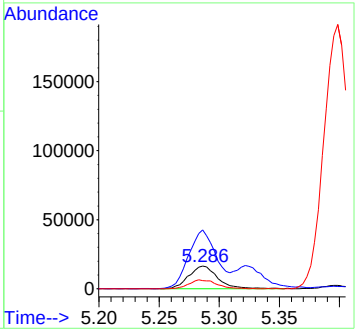


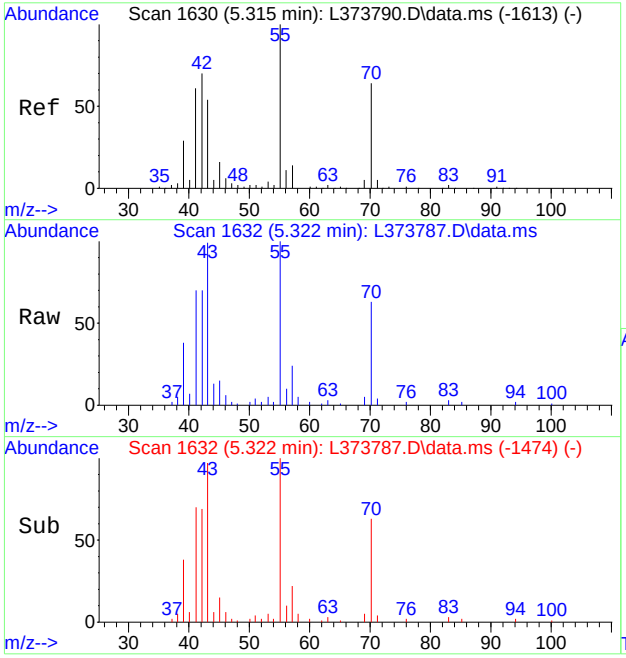


#70
4-methyl-2-pentanone
Concen: 16.05 ug/L
RT: 5.286 min Scan# 1621
Delta R.T. 0.006 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 58 Resp: 27695

Ion	Ratio	Lower	Upper
58	100		
43	256.4	233.3	273.3
100	36.3	15.2	55.2

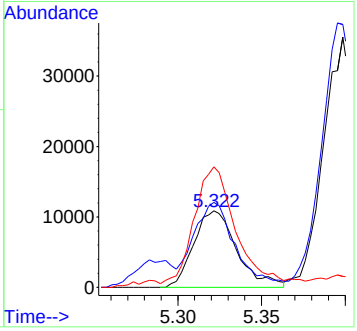


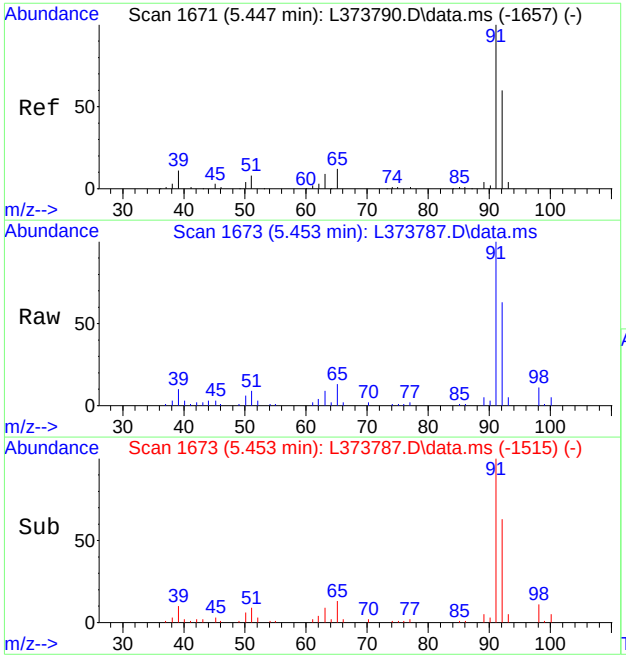


#71
3-methyl-1-butanol
Concen: 87.29 ug/L
RT: 5.322 min Scan# 1632
Delta R.T. 0.006 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 70 Resp: 19484

Ion	Ratio	Lower	Upper
70	100		
42	102.6	94.2	134.2
55	152.7	137.5	177.5

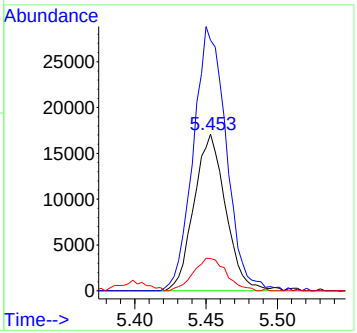


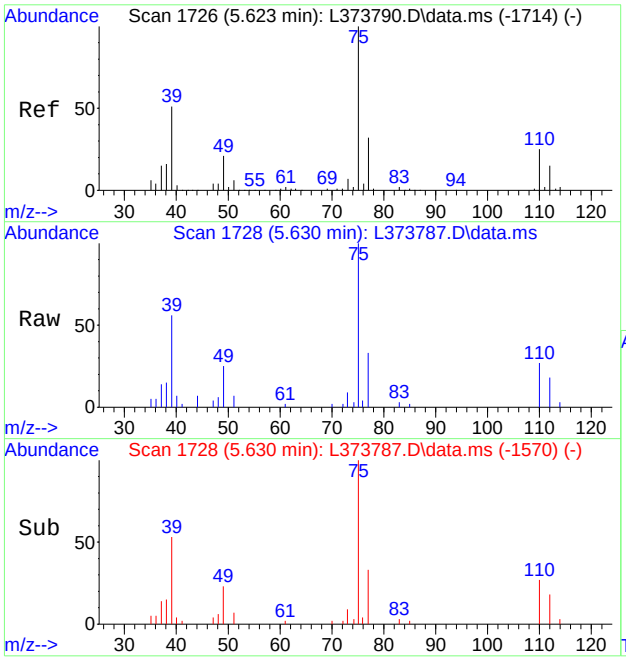


#74
toluene
Concen: 4.05 ug/L
RT: 5.453 min Scan# 1673
Delta R.T. 0.006 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 92 Resp: 26498

Ion	Ratio	Lower	Upper
92	100		
91	160.0	136.7	196.7
65	20.6	0.0	50.8

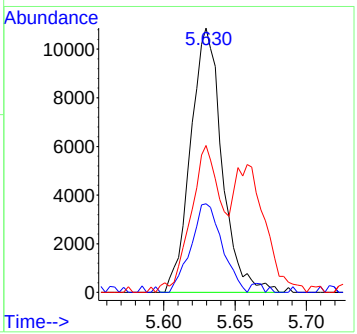


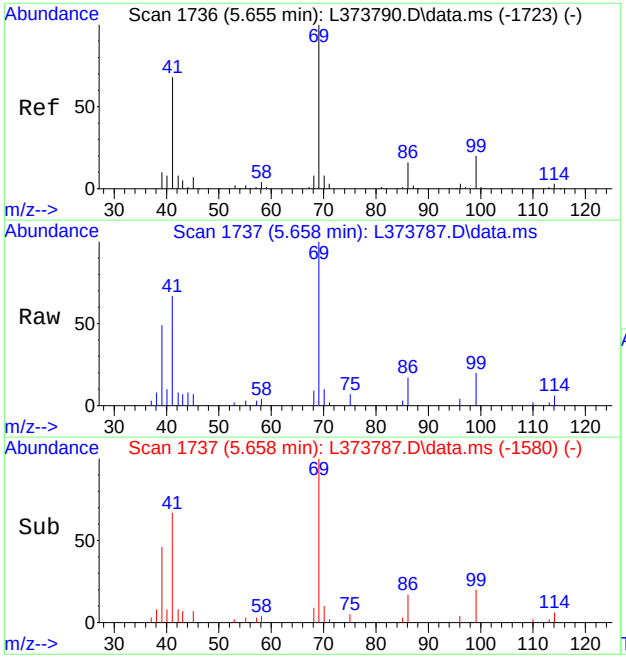


#75
trans-1,3-dichloropropene
Concen: 4.20 ug/L
RT: 5.630 min Scan# 1728
Delta R.T. 0.006 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 75 Resp: 16631

Ion	Ratio	Lower	Upper
75	100		
77	33.5	1.7	61.7
39	53.1	20.7	80.7

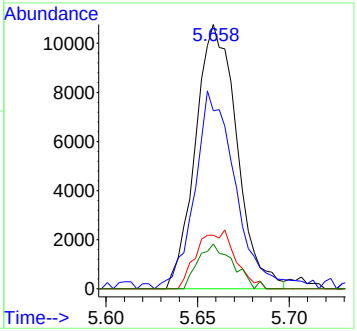


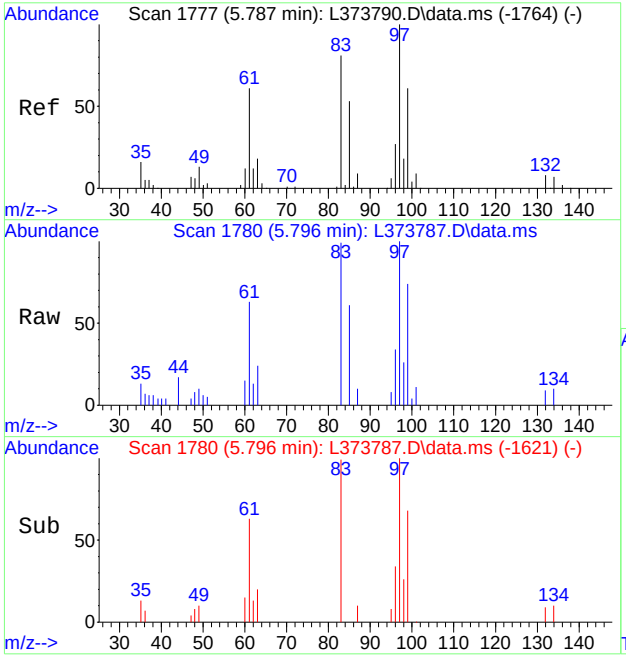


#76
ethyl methacrylate
Concen: 4.00 ug/L
RT: 5.658 min Scan# 1737
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 69 Resp: 17010

Ion	Ratio	Lower	Upper
69	100		
41	65.4	38.9	98.9
99	20.2	0.0	50.4
86	16.9	0.0	45.9

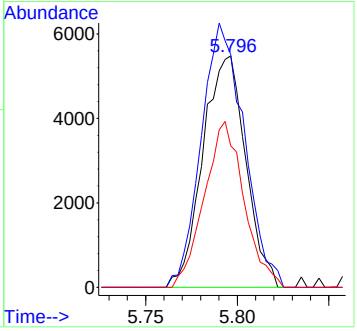


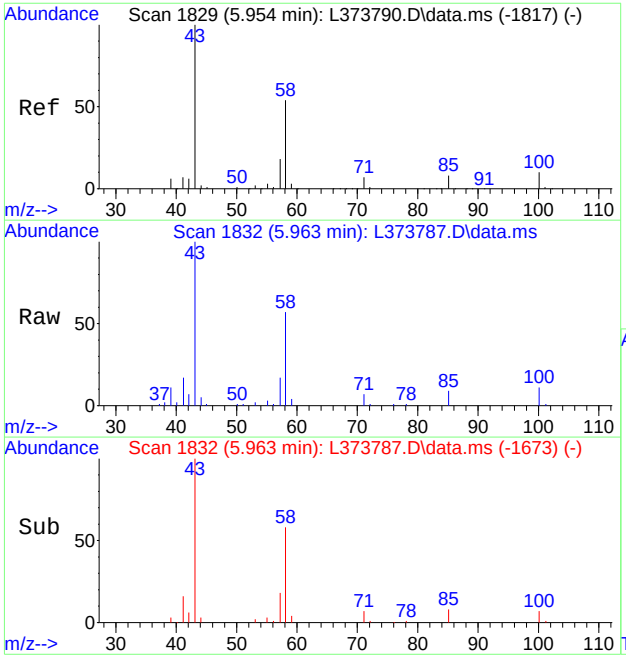


#77
1,1,2-trichloroethane
Concen: 4.21 ug/L
RT: 5.796 min Scan# 1780
Delta R.T. 0.010 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 83 Resp: 8940

Ion	Ratio	Lower	Upper
83	100		
97	100.7	93.6	153.6
85	61.1	35.4	95.4

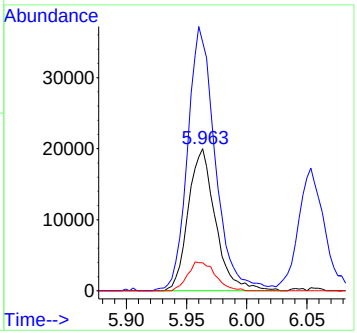


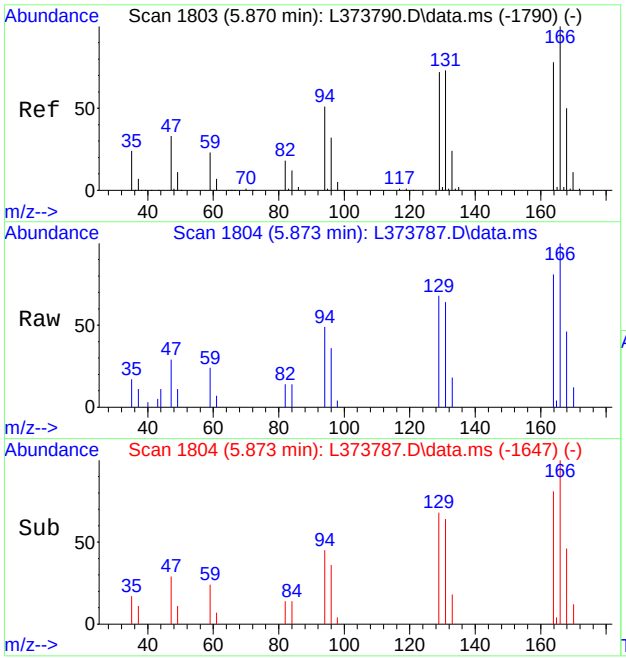


#78
2-hexanone
Concen: 16.47 ug/L
RT: 5.963 min Scan# 1832
Delta R.T. 0.010 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 58 Resp: 31426

Ion	Ratio	Lower	Upper
58	100		
43	173.1	154.6	214.6
100	19.7	0.0	49.0

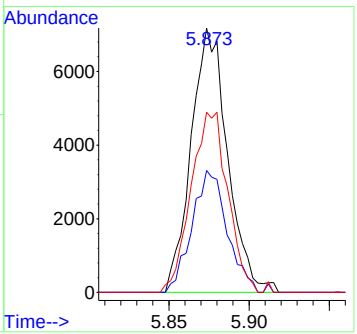


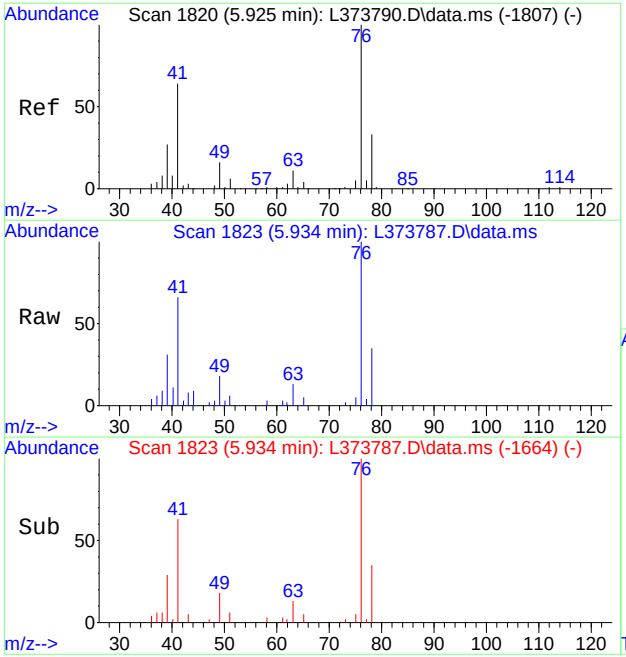


#79
tetrachloroethene
Concen: 4.49 ug/L
RT: 5.873 min Scan# 1804
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion:166 Resp: 11378

Ion	Ratio	Lower	Upper
166	100		
168	46.1	19.7	79.7
129	68.2	42.4	102.4

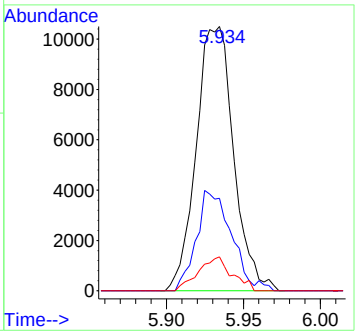


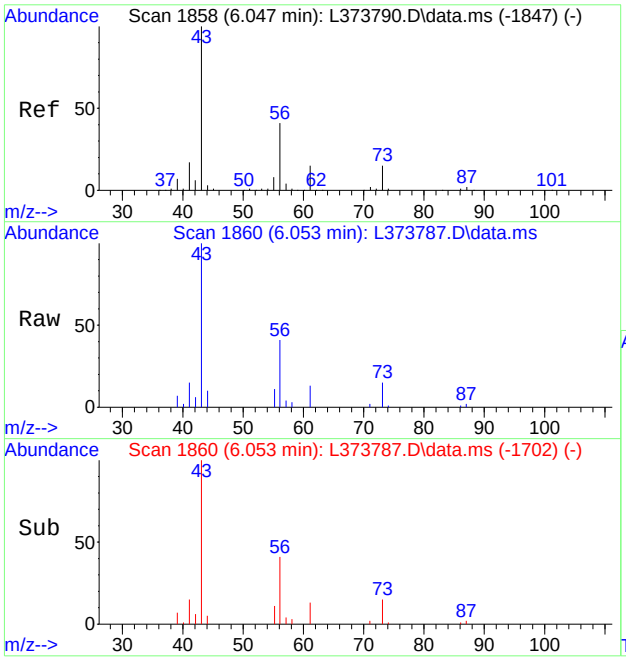


#80
1,3-dichloropropane
Concen: 4.38 ug/L
RT: 5.934 min Scan# 1823
Delta R.T. 0.010 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 76 Resp: 17743

Ion	Ratio	Lower	Upper
76	100		
78	35.0	2.7	62.7
63	12.9	0.0	41.2

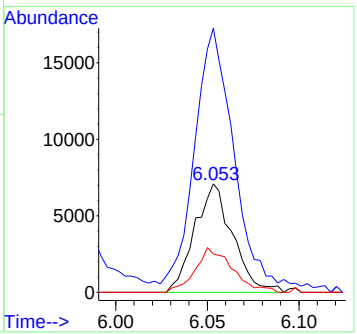


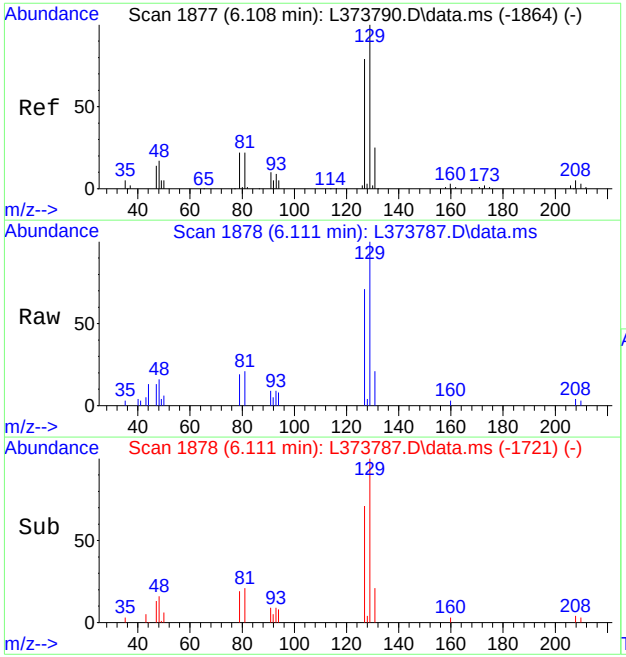


#81
butyl acetate
Concen: 4.05 ug/L
RT: 6.053 min Scan# 1860
Delta R.T. 0.006 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 56 Resp: 10272

Ion	Ratio	Lower	Upper
56	100		
43	236.1	218.3	278.3
73	35.6	7.2	67.2

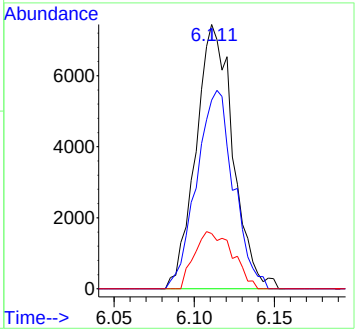


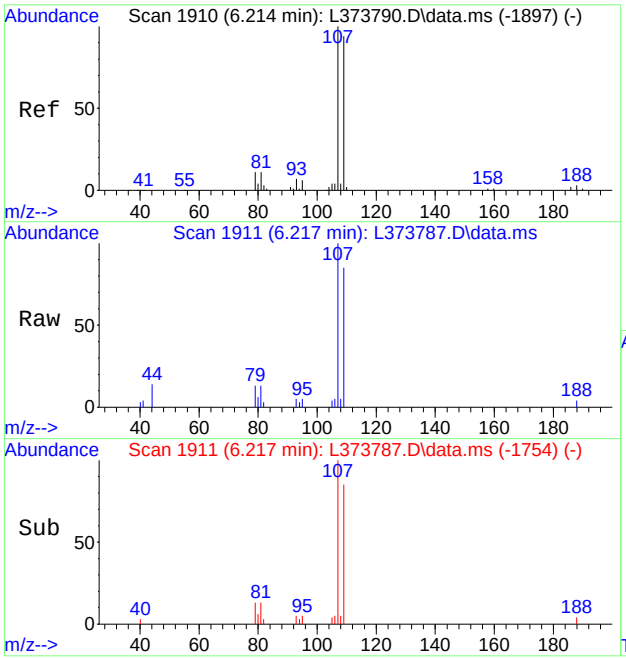


#82
dibromochloromethane
Concen: 4.31 ug/L
RT: 6.111 min Scan# 1878
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion:129 Resp: 11966

Ion	Ratio	Lower	Upper
129	100		
127	71.4	49.0	109.0
131	20.9	0.0	54.6

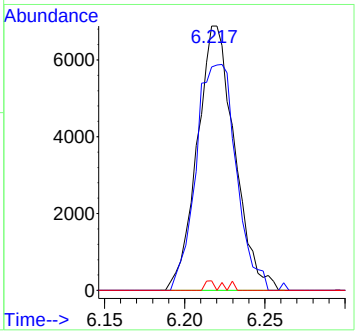


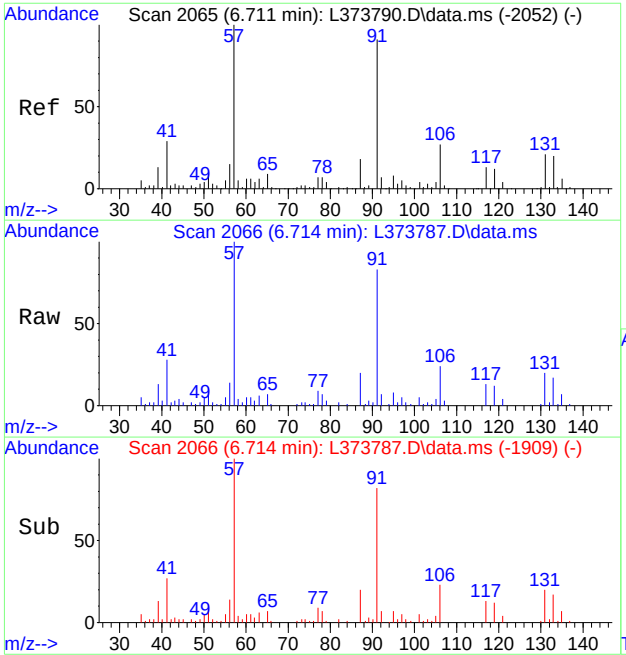


#83
1,2-dibromoethane
Concen: 4.34 ug/L
RT: 6.217 min Scan# 1911
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion:107 Resp: 11151

Ion	Ratio	Lower	Upper
107	100		
109	84.5	63.9	123.9
188	3.6	0.0	33.4

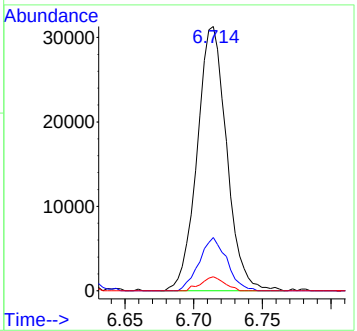


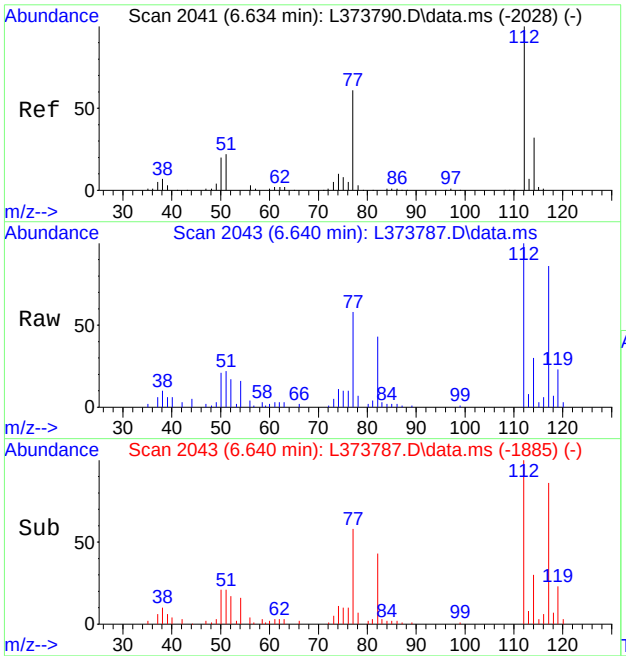


#84
n-butyl ether
Concen: 4.26 ug/L
RT: 6.714 min Scan# 2066
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 57 Resp: 46781

Ion	Ratio	Lower	Upper
57	100		
87	20.2	0.0	47.8
101	5.3	0.0	34.2

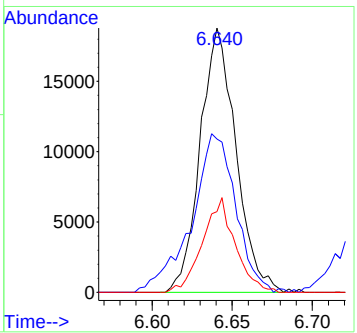


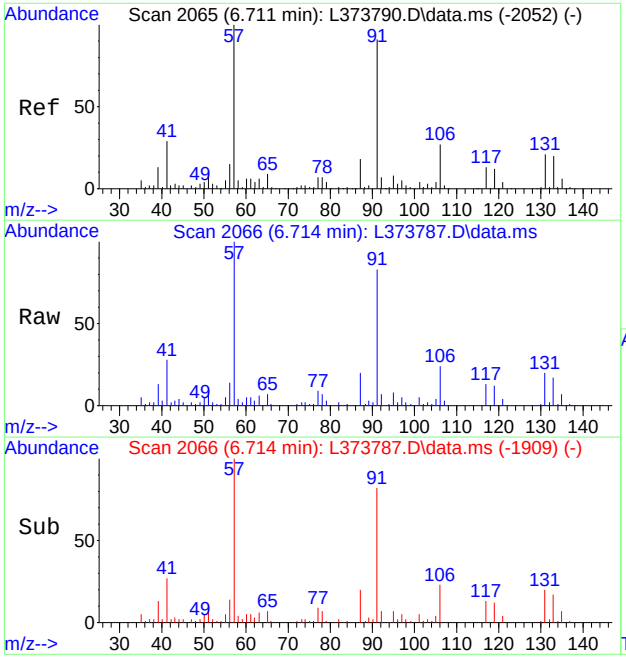


#85
chlorobenzene
Concen: 4.27 ug/L
RT: 6.640 min Scan# 2043
Delta R.T. 0.006 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion:112 Resp: 29227

Ion	Ratio	Lower	Upper
112	100		
77	56.9	30.8	90.8
114	30.5	2.4	62.4

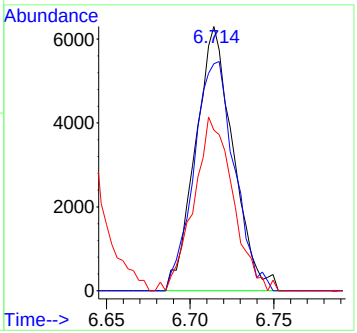


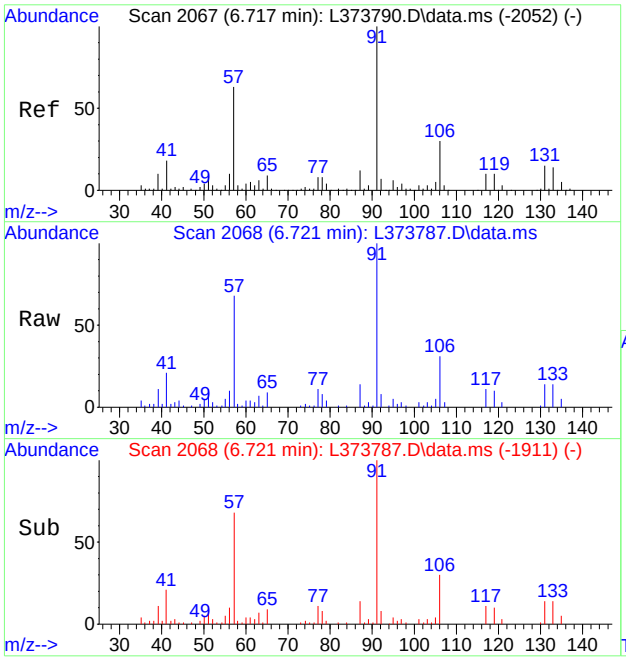


#86
1,1,1,2-tetrachloroethane
Concen: 4.52 ug/L
RT: 6.714 min Scan# 2066
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion:131 Resp: 9839

Ion	Ratio	Lower	Upper
131	100		
133	85.9	65.1	125.1
119	60.7	30.8	90.8

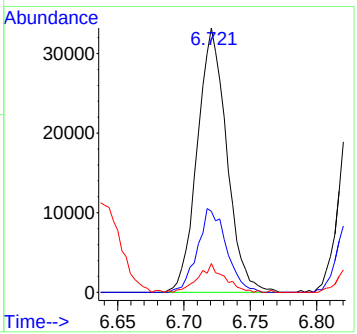


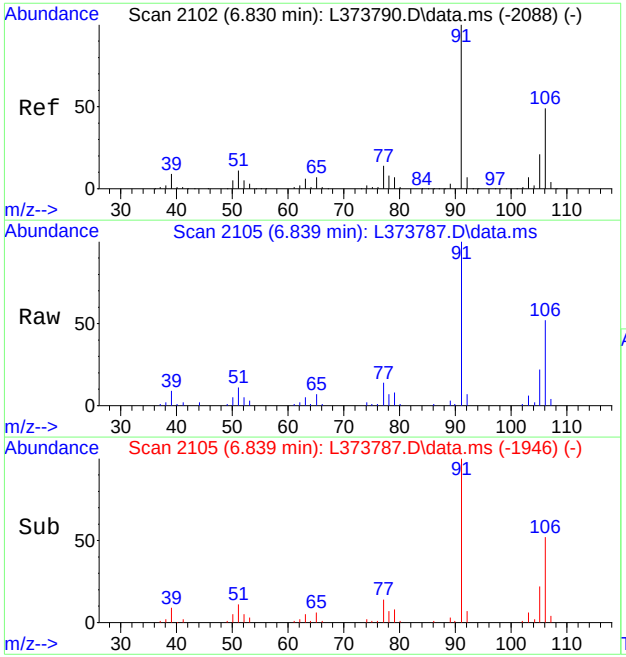


#87
ethylbenzene
Concen: 4.38 ug/L
RT: 6.721 min Scan# 2068
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 91 Resp: 51207

Ion	Ratio	Lower	Upper
91	100		
106	30.6	0.1	60.1
77	10.9	0.0	38.6

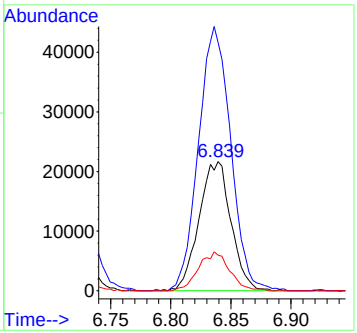


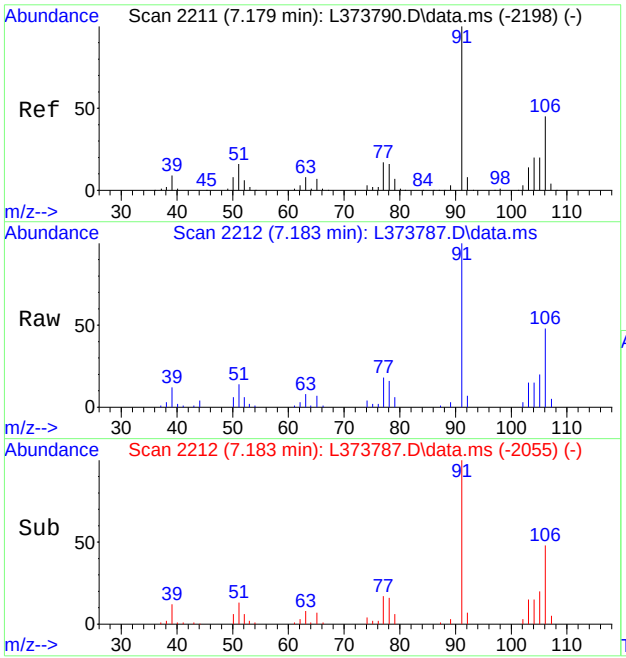


#88
m,p-xylene
Concen: 8.78 ug/L
RT: 6.839 min Scan# 2105
Delta R.T. 0.010 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion:106 Resp: 40081

Ion	Ratio	Lower	Upper
106	100		
91	192.2	175.7	235.7
77	27.6	8.1	48.1

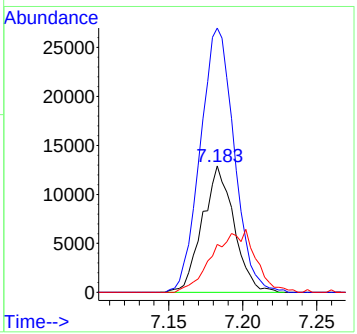


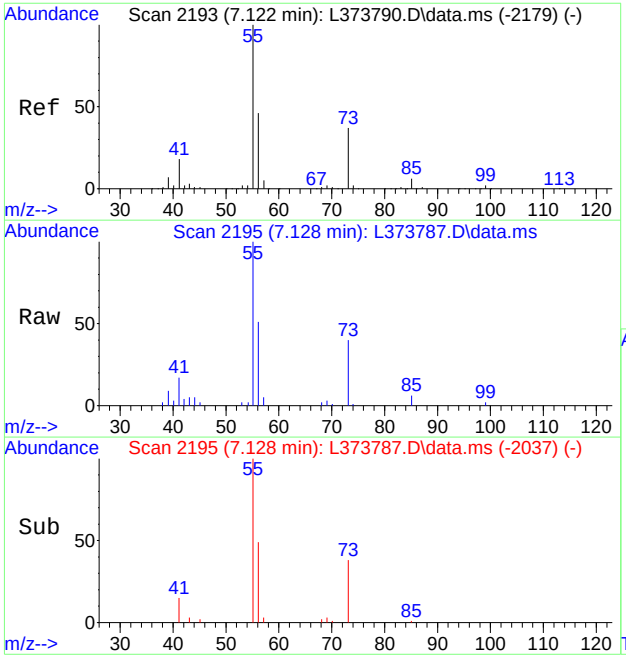


#89
o-xylene
Concen: 4.24 ug/L
RT: 7.183 min Scan# 2212
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion:106 Resp: 19129

Ion	Ratio	Lower	Upper
106	100		
91	209.2	194.5	254.5
77	38.0	18.1	58.1

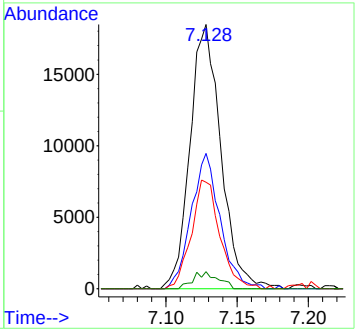


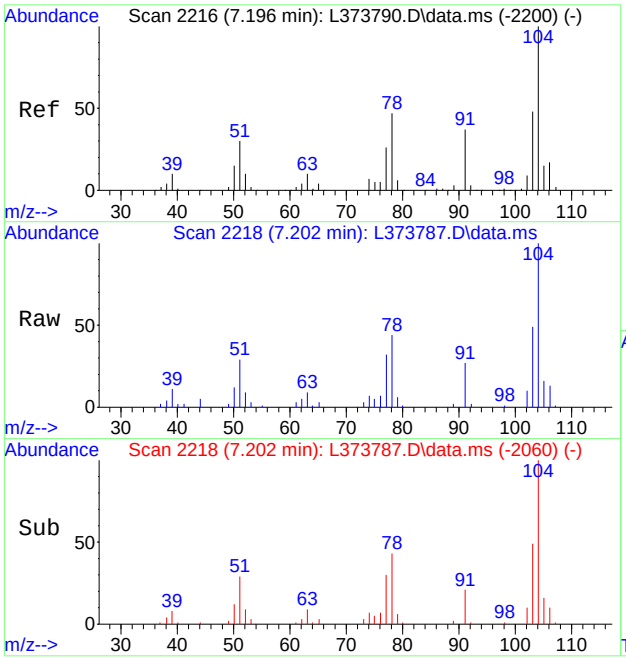


#90
butyl acrylate
Concen: 4.04 ug/L
RT: 7.128 min Scan# 2195
Delta R.T. 0.006 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 55 Resp: 27925

Ion	Ratio	Lower	Upper
55	100		
56	51.2	26.3	66.3
73	40.3	17.5	57.5
85	6.5	0.0	25.6

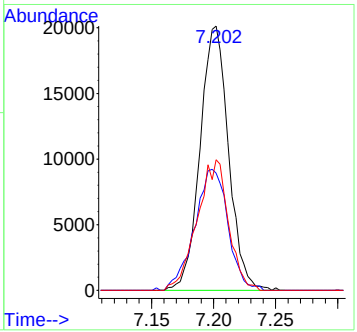


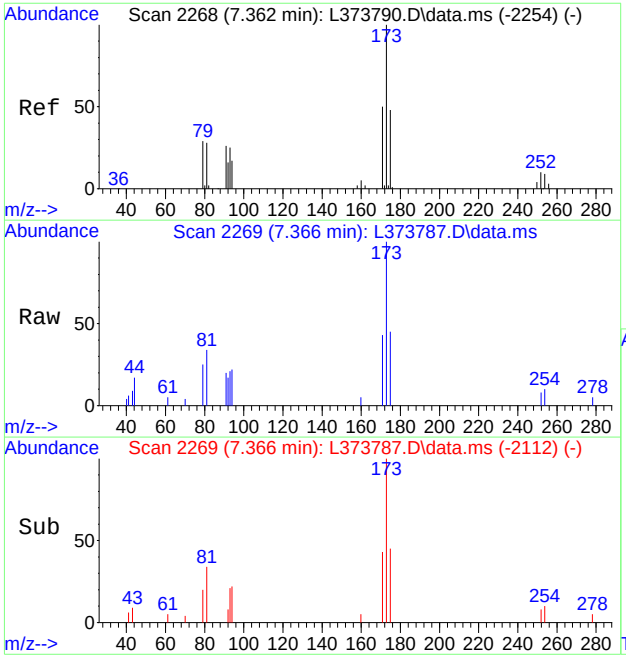


#91
styrene
Concen: 4.33 ug/L
RT: 7.202 min Scan# 2218
Delta R.T. 0.006 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion:104 Resp: 32111

Ion	Ratio	Lower	Upper
104	100		
78	44.4	16.8	76.8
103	49.4	17.7	77.7

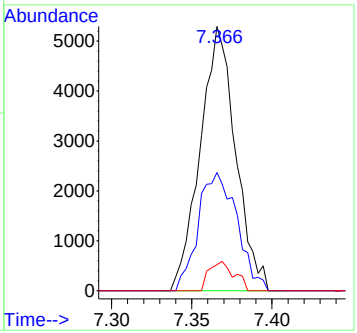


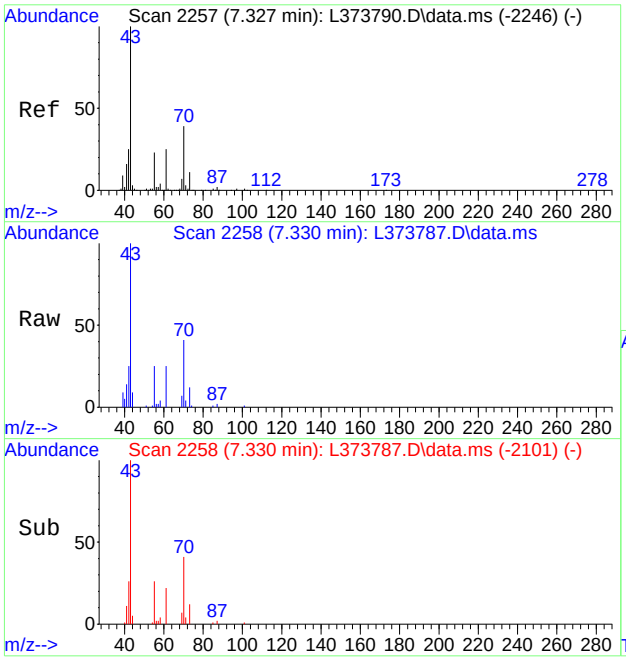


#92
bromoform
Concen: 4.11 ug/L
RT: 7.366 min Scan# 2269
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion:173 Resp: 8145

Ion	Ratio	Lower	Upper
173	100		
175	44.8	17.8	77.8
254	9.9	0.0	39.4

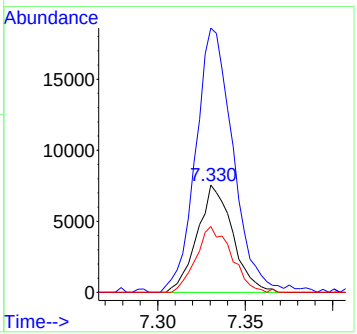


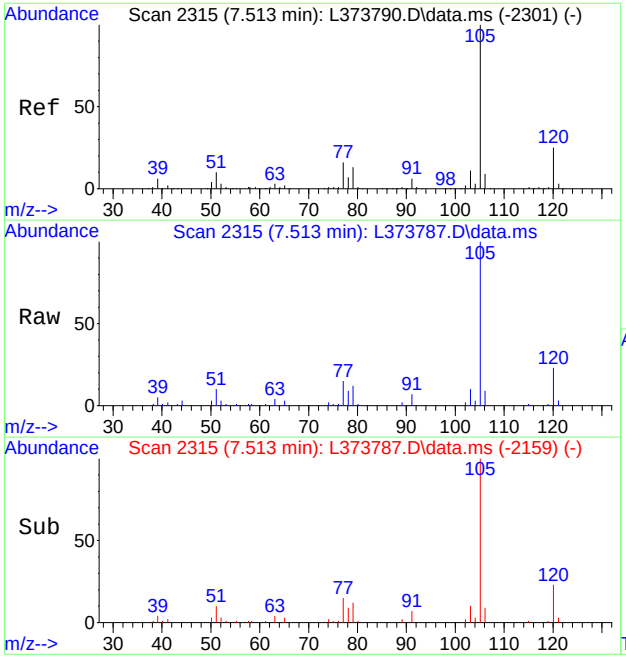


#93
n-amyl acetate
Concen: 4.13 ug/L
RT: 7.330 min Scan# 2258
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 70 Resp: 10646

Ion	Ratio	Lower	Upper
70	100		
43	246.2	233.4	273.4
61	61.3	42.6	82.6

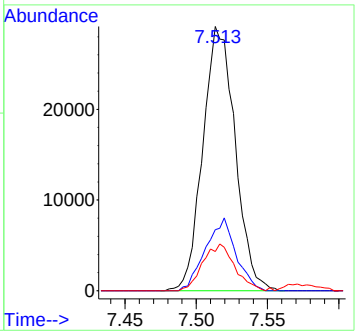


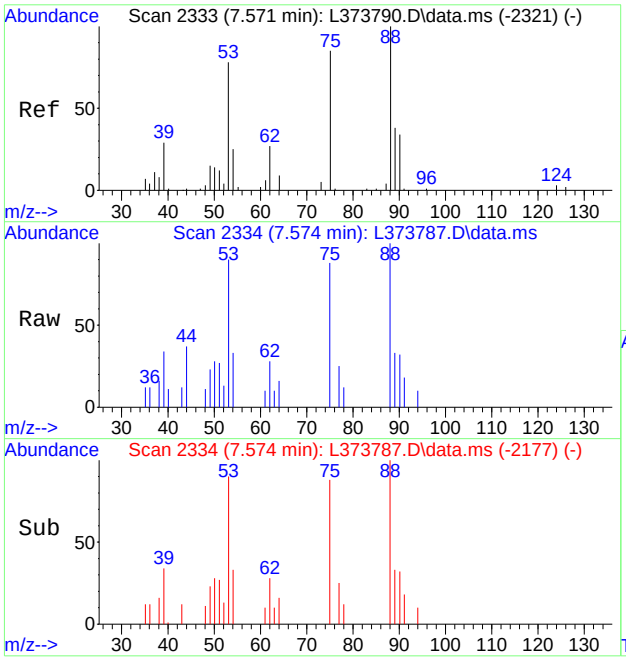


#94
isopropylbenzene
Concen: 4.30 ug/L
RT: 7.513 min Scan# 2315
Delta R.T. 0.000 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion:105 Resp: 45913

Ion	Ratio	Lower	Upper
105	100		
120	23.1	5.2	45.2
77	14.9	0.0	36.2

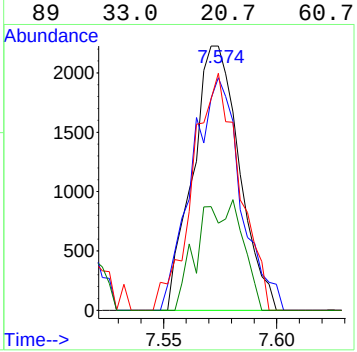


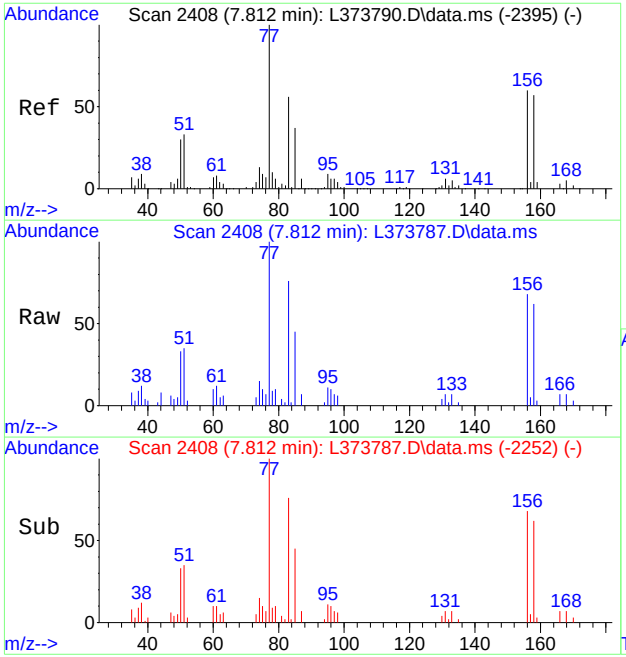


#95
cis-1,4-dichloro-2-butene
Concen: 3.60 ug/L
RT: 7.574 min Scan# 2334
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 88 Resp: 3181

Ion	Ratio	Lower	Upper
88	100		
75	88.0	66.5	106.5
53	89.7	59.7	99.7
89	33.0	20.7	60.7

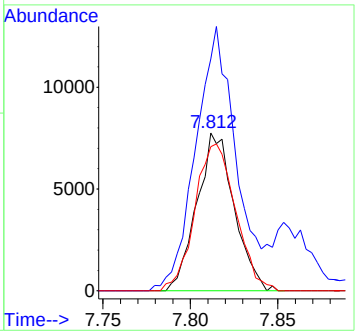


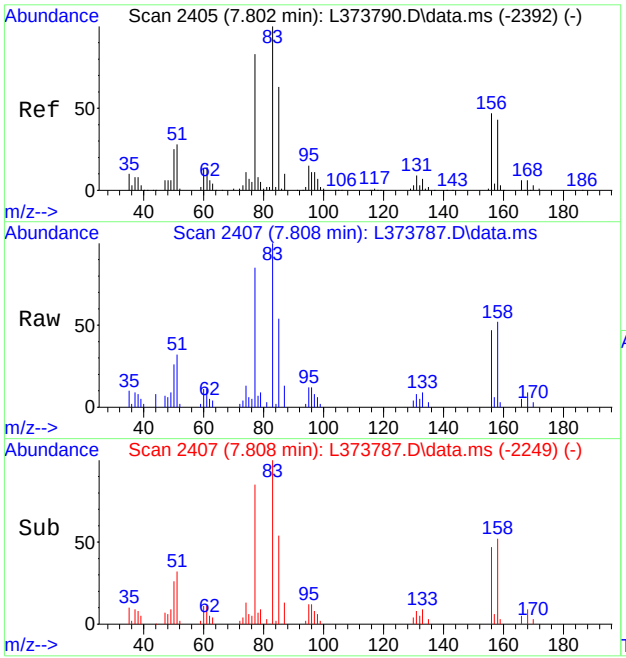


#98
bromobenzene
Concen: 4.30 ug/L
RT: 7.812 min Scan# 2408
Delta R.T. 0.000 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion:156 Resp: 11516

Ion	Ratio	Lower	Upper
156	100		
77	143.6	137.0	197.0
158	91.3	65.5	125.5

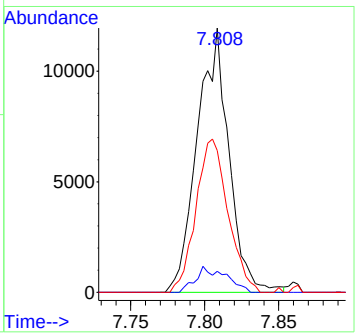


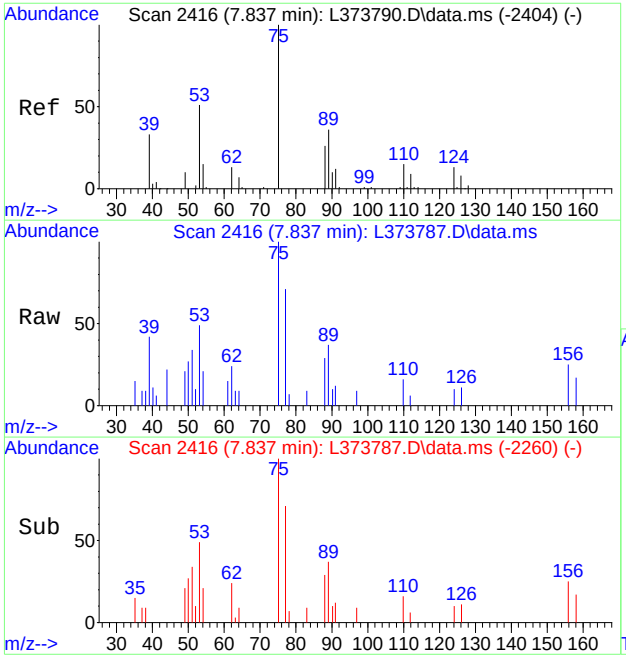


#99
1,1,2,2-tetrachloroethane
Concen: 4.26 ug/L
RT: 7.808 min Scan# 2407
Delta R.T. 0.006 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 83 Resp: 17803

Ion	Ratio	Lower	Upper
83	100		
131	8.0	0.0	38.9
85	53.6	33.3	93.3

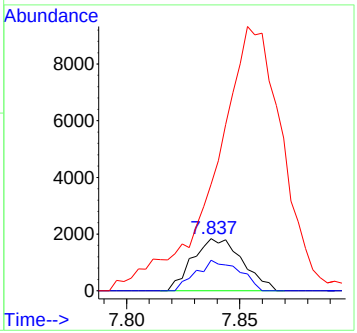


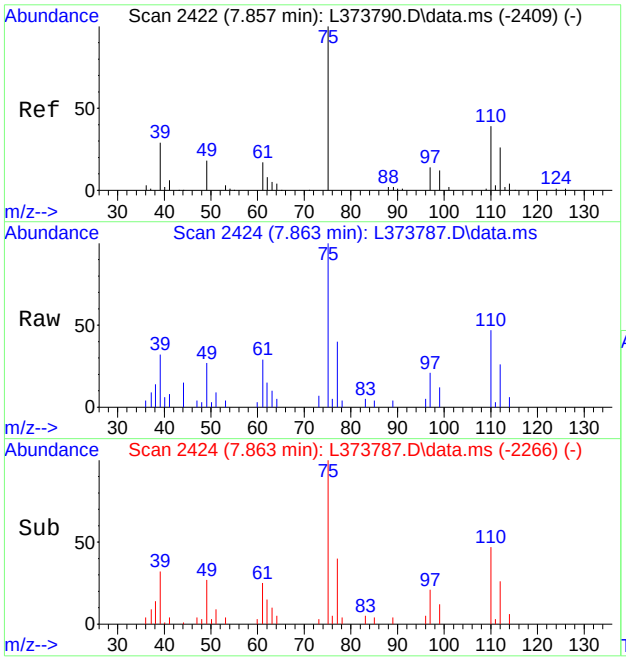


#100
trans-1,4-dichloro-2-butene
Concen: 3.54 ug/L
RT: 7.837 min Scan# 2416
Delta R.T. 0.000 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 53 Resp: 2823

Ion	Ratio	Lower	Upper
53	100		
88	58.9	21.0	81.0
75	144.5	165.8	225.8#

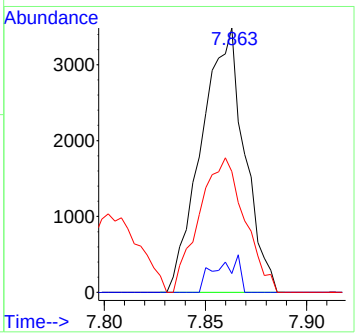


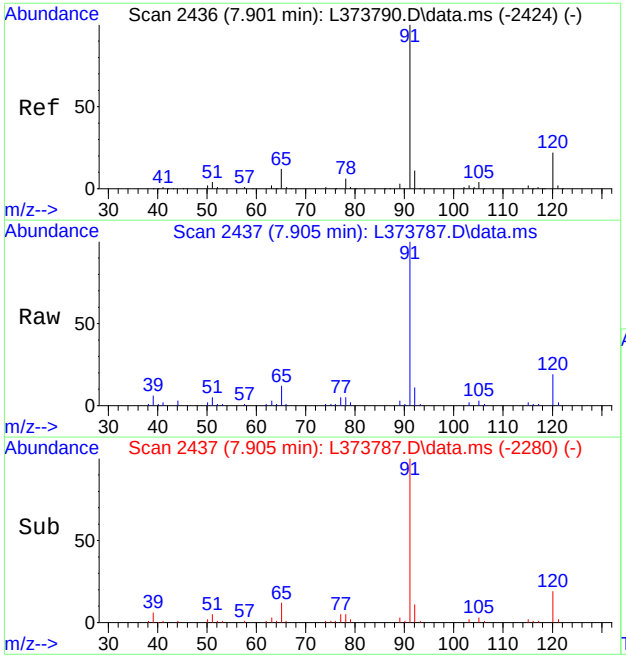


#101
1,2,3-trichloropropane
Concen: 4.04 ug/L
RT: 7.863 min Scan# 2424
Delta R.T. 0.006 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion:110 Resp: 5170

Ion	Ratio	Lower	Upper
110	100		
111	7.1	0.0	38.4
97	45.7	22.5	82.5

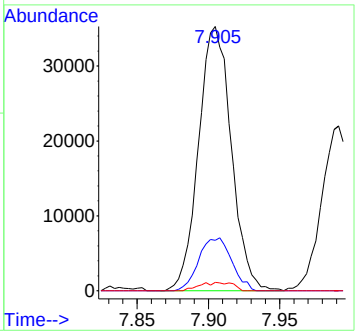


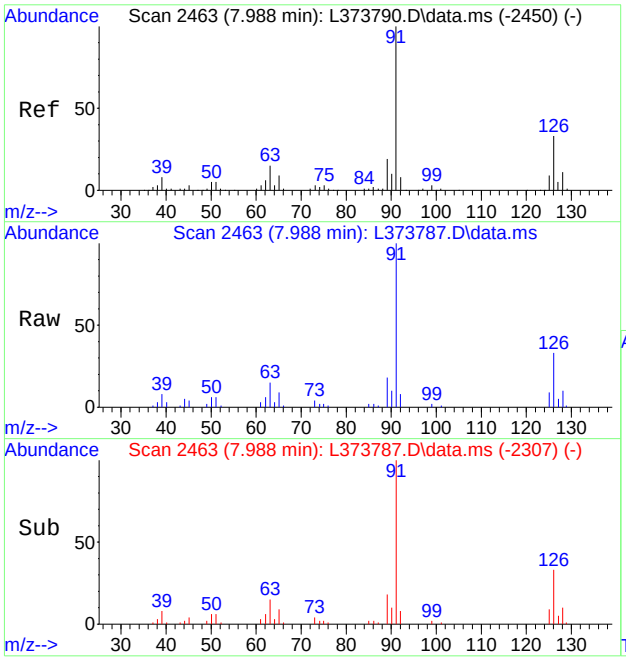


#102
n-propylbenzene
Concen: 4.46 ug/L
RT: 7.905 min Scan# 2437
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 91 Resp: 56367

Ion	Ratio	Lower	Upper
91	100		
120	19.1	0.0	51.5
105	3.2	0.0	33.7

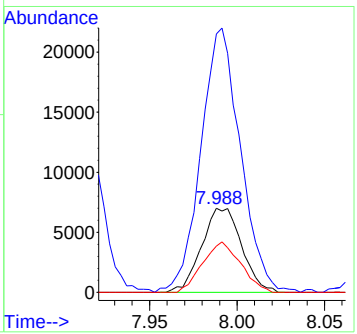


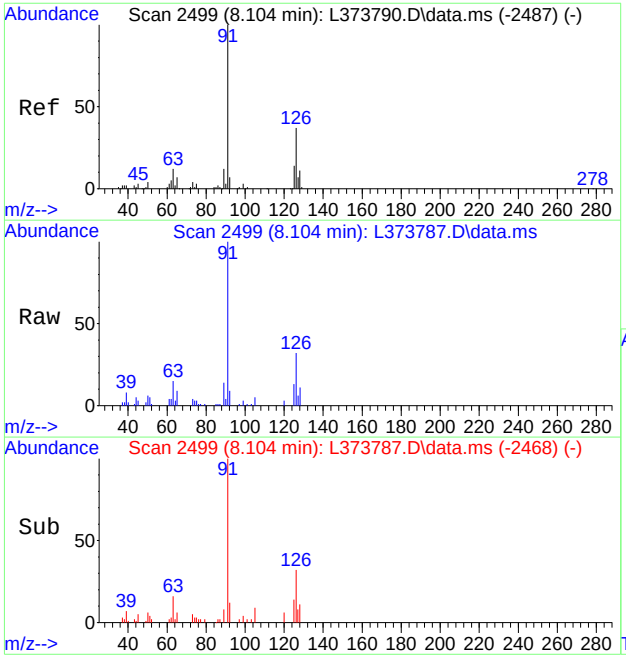


#103
2-chlorotoluene
Concen: 4.49 ug/L
RT: 7.988 min Scan# 2463
Delta R.T. 0.000 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion:126 Resp: 11168

Ion	Ratio	Lower	Upper
126	100		
91	302.1	276.4	336.4
89	55.1	28.8	88.8

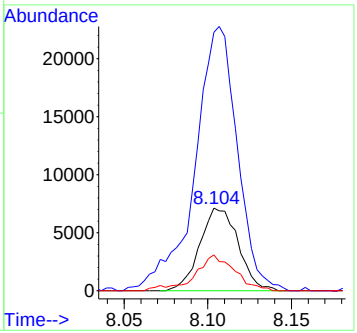


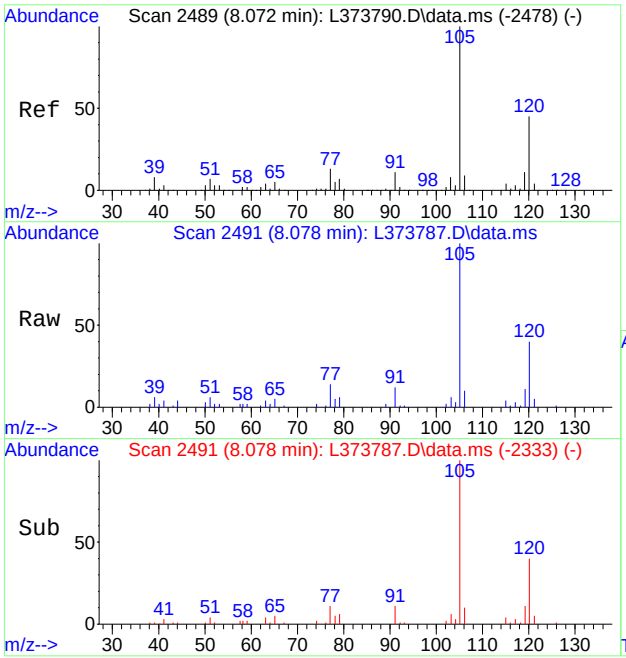


#104
4-chlorotoluene
Concen: 4.21 ug/L
RT: 8.104 min Scan# 2499
Delta R.T. 0.000 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion:126 Resp: 11412

Ion	Ratio	Lower	Upper
126	100		
91	308.9	265.5	325.5
89	43.3	5.5	65.5

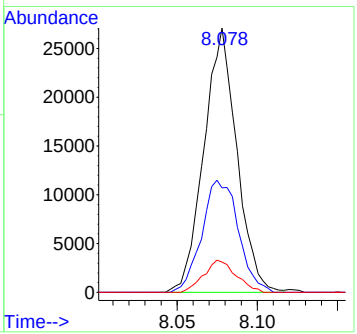


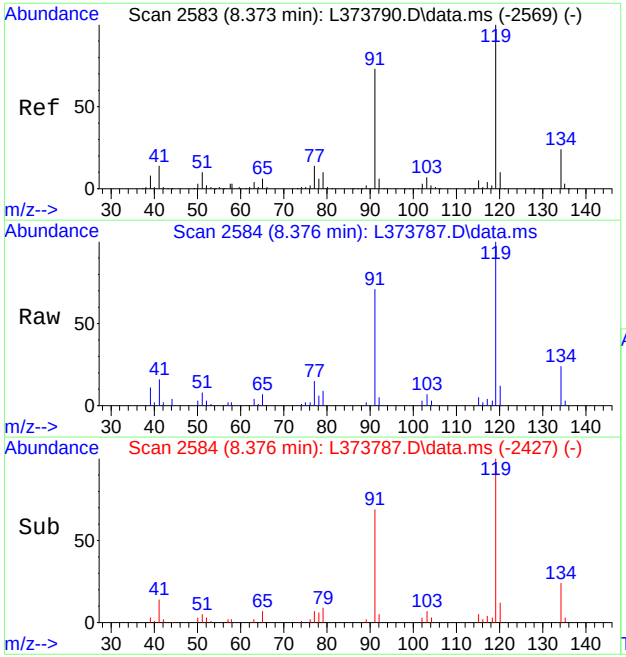


#105
1,3,5-trimethylbenzene
Concen: 4.37 ug/L
RT: 8.078 min Scan# 2491
Delta R.T. 0.006 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion:105 Resp: 38702

Ion	Ratio	Lower	Upper
105	100		
120	39.6	14.9	74.9
119	11.5	0.0	40.8

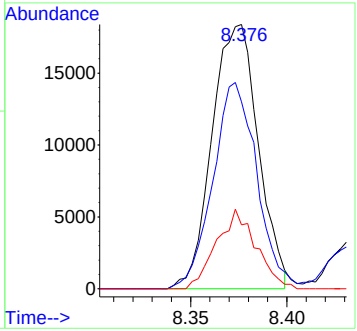


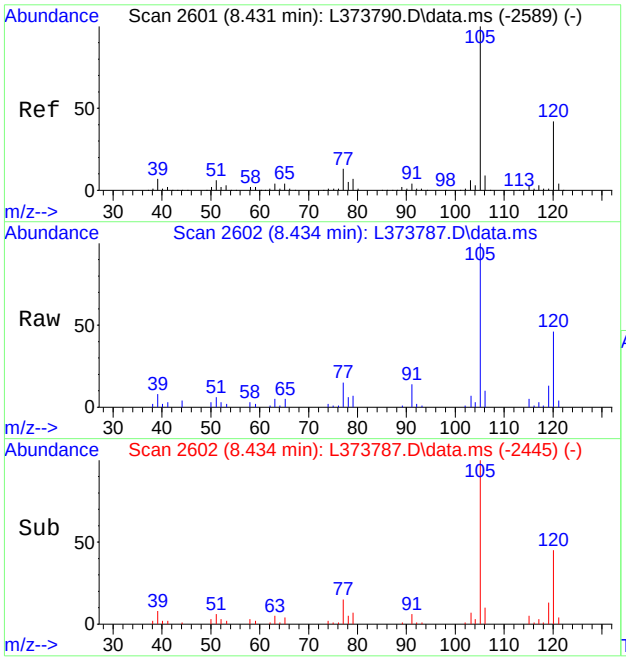


#106
tert-butylbenzene
Concen: 4.32 ug/L
RT: 8.376 min Scan# 2584
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion:119 Resp: 30733

Ion	Ratio	Lower	Upper
119	100		
91	70.7	42.9	102.9
134	24.2	0.0	54.4

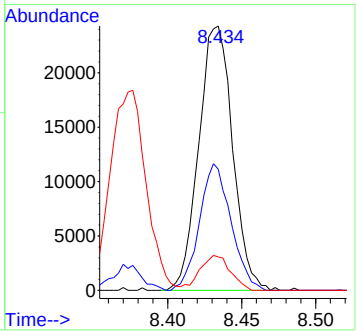


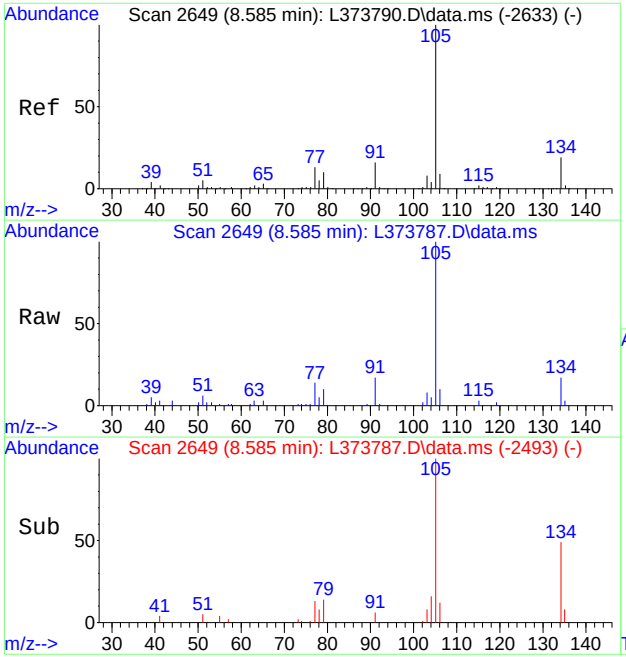


#107
1,2,4-trimethylbenzene
Concen: 4.33 ug/L
RT: 8.434 min Scan# 2602
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion:105 Resp: 38641

Ion	Ratio	Lower	Upper
105	100		
120	45.8	13.1	73.1
119	12.7	0.0	41.9

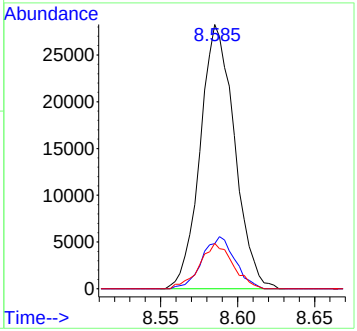


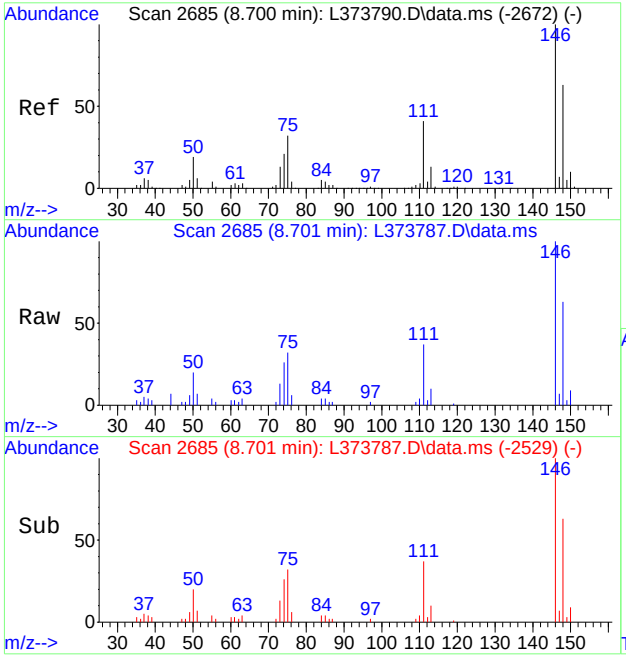


#108
sec-butylbenzene
Concen: 4.32 ug/L
RT: 8.585 min Scan# 2649
Delta R.T. 0.000 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion:105 Resp: 43801

Ion	Ratio	Lower	Upper
105	100		
134	17.1	0.0	48.8
91	17.2	0.0	45.9

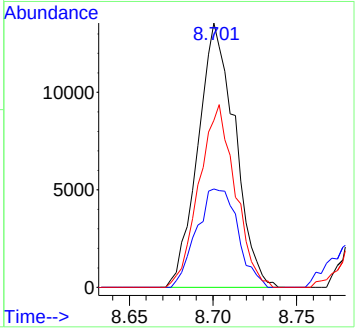


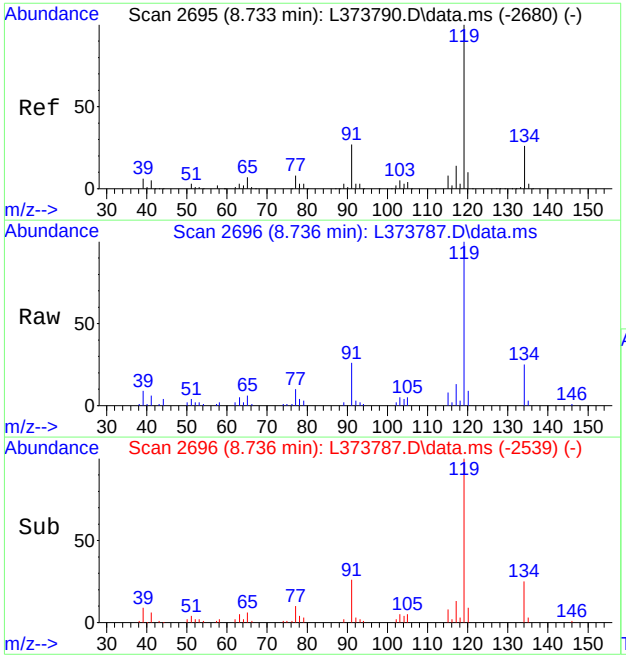


#109
1,3-dichlorobenzene
Concen: 4.16 ug/L
RT: 8.701 min Scan# 2685
Delta R.T. 0.000 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion:146 Resp: 20891

Ion	Ratio	Lower	Upper
146	100		
111	37.2	11.0	71.0
148	63.2	33.0	93.0

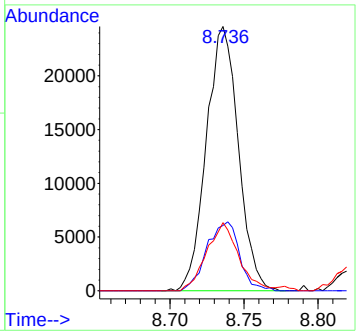


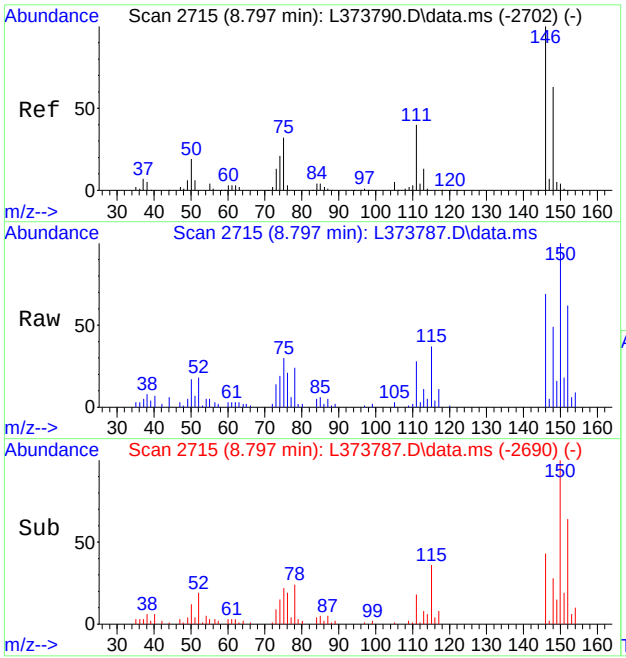


#110
p-isopropyltoluene
Concen: 4.44 ug/L
RT: 8.736 min Scan# 2696
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion:119 Resp: 36883

Ion	Ratio	Lower	Upper
119	100		
134	24.8	0.0	56.5
91	25.8	0.0	56.9

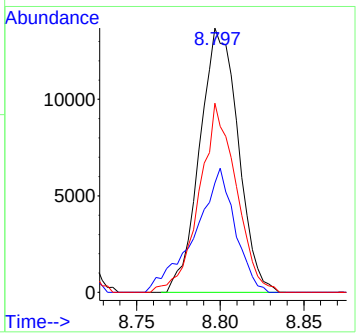


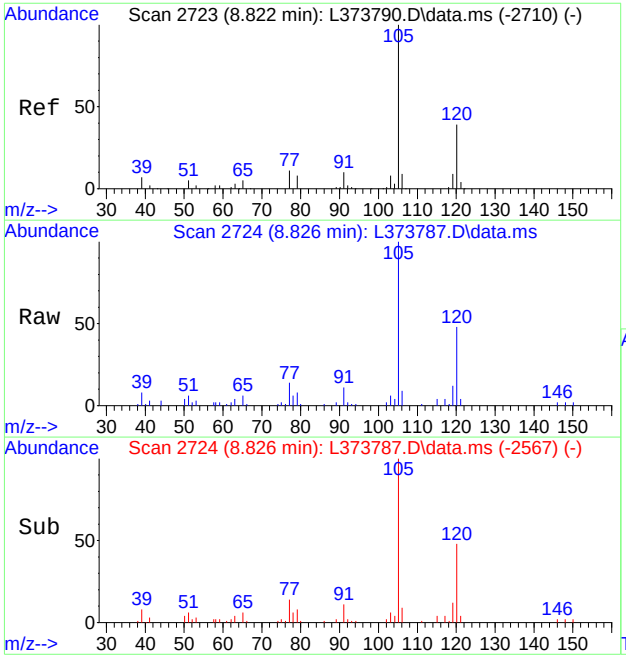


#111
1,4-dichlorobenzene
Concen: 4.16 ug/L
RT: 8.797 min Scan# 2715
Delta R.T. 0.000 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion:146 Resp: 21827

Ion	Ratio	Lower	Upper
146	100		
111	41.4	9.7	69.7
148	71.5	33.0	93.0

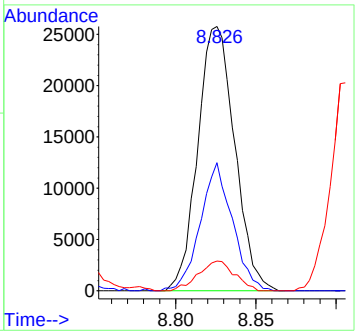


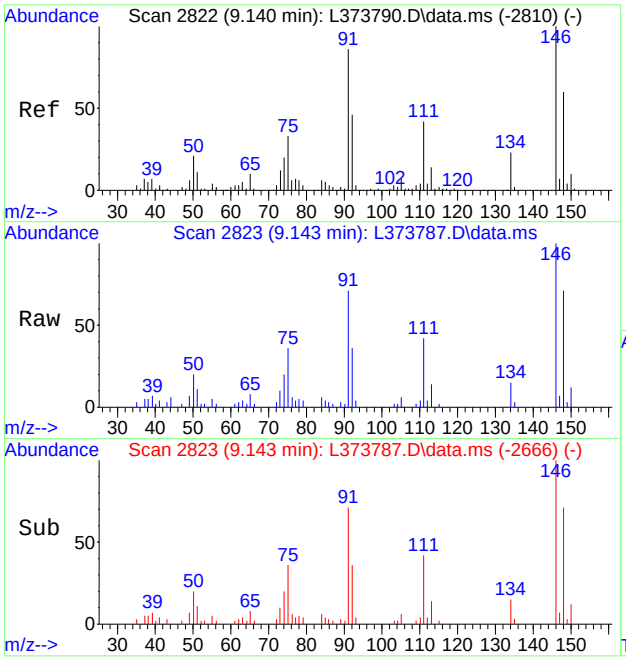


#112
1,2,3-trimethylbenzene
Concen: 4.28 ug/L
RT: 8.826 min Scan# 2724
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion:105 Resp: 41398

Ion	Ratio	Lower	Upper
105	100		
120	48.4	8.8	68.8
91	11.2	0.0	40.2

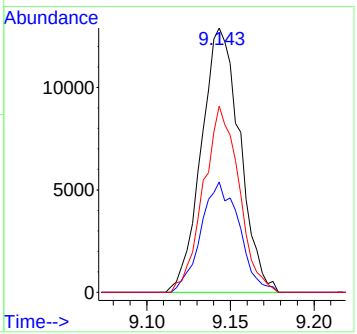


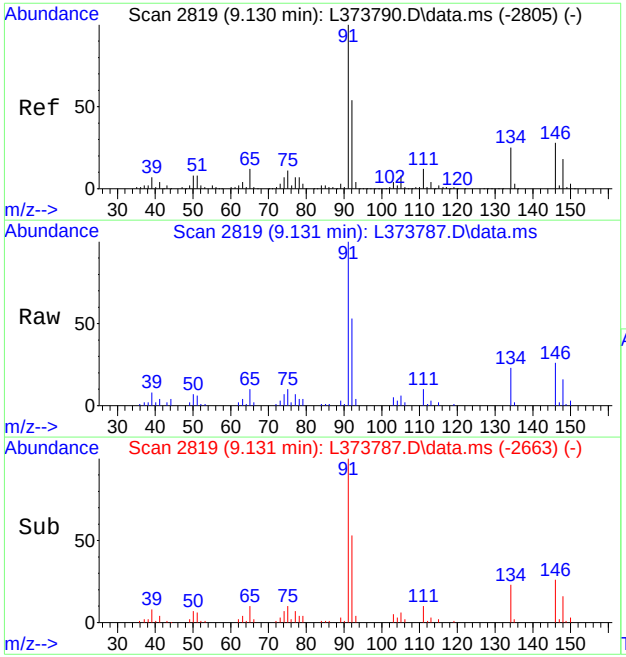


#113
1,2-dichlorobenzene
Concen: 4.31 ug/L
RT: 9.143 min Scan# 2823
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion:146 Resp: 20637

Ion	Ratio	Lower	Upper
146	100		
111	41.8	12.1	72.1
148	70.5	30.4	90.4

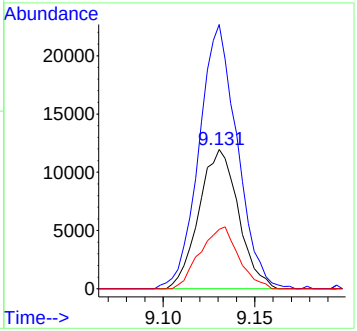


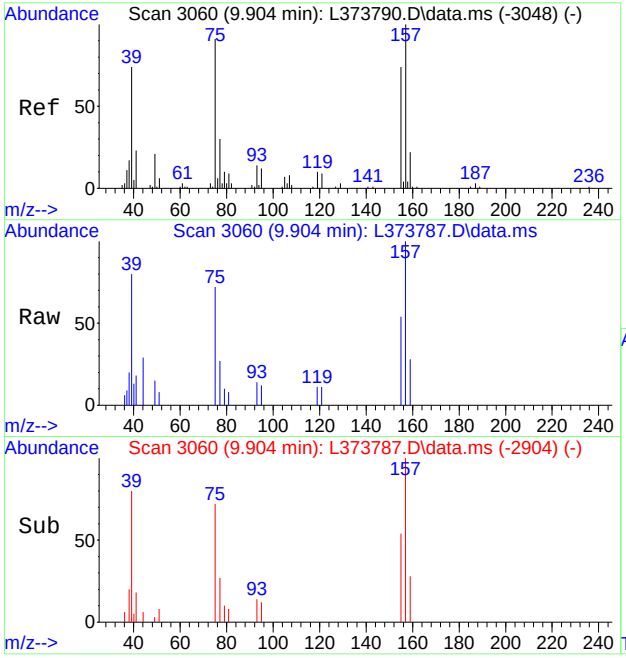


#114
n-butylbenzene
Concen: 4.35 ug/L
RT: 9.131 min Scan# 2819
Delta R.T. 0.000 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 92 Resp: 17969

Ion	Ratio	Lower	Upper
92	100		
91	188.2	155.4	215.4
134	42.8	15.6	75.6

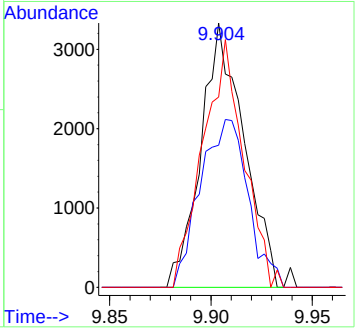


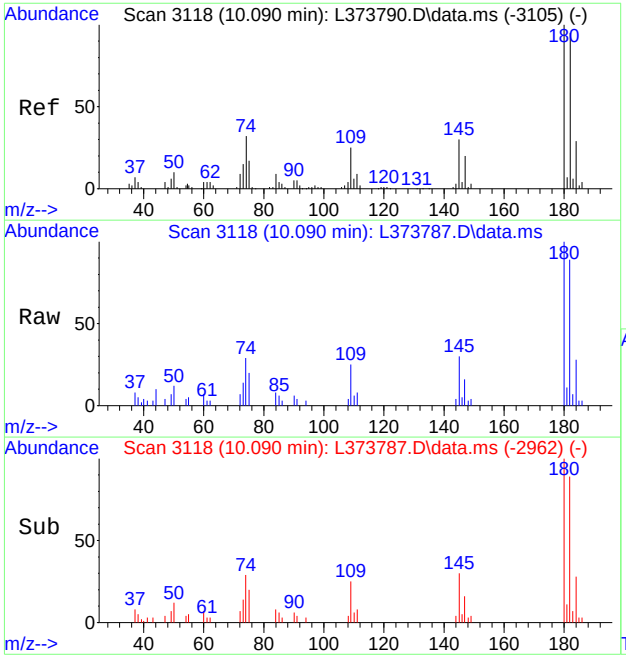


#115
1,2-dibromo-3-chloropropane
Concen: 4.46 ug/L
RT: 9.904 min Scan# 3060
Delta R.T. 0.000 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion:157 Resp: 4910

Ion	Ratio	Lower	Upper
157	100		
155	53.8	44.1	104.1
75	71.9	60.9	120.9

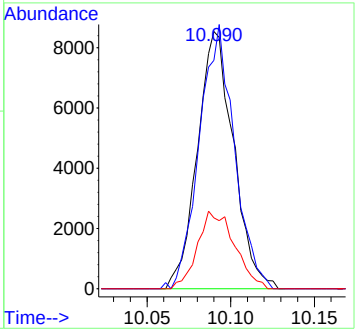


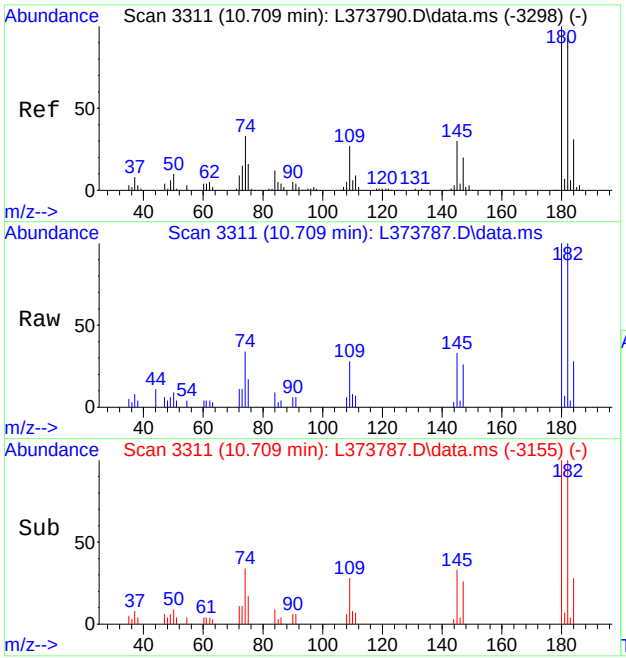


#116
1,3,5-trichlorobenzene
Concen: 4.31 ug/L
RT: 10.090 min Scan# 3118
Delta R.T. 0.000 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion:180 Resp: 12836

Ion	Ratio	Lower	Upper
180	100		
182	88.9	65.0	125.0
184	27.6	0.0	59.4

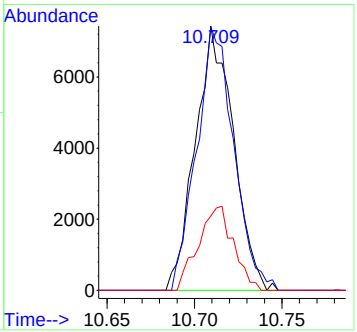


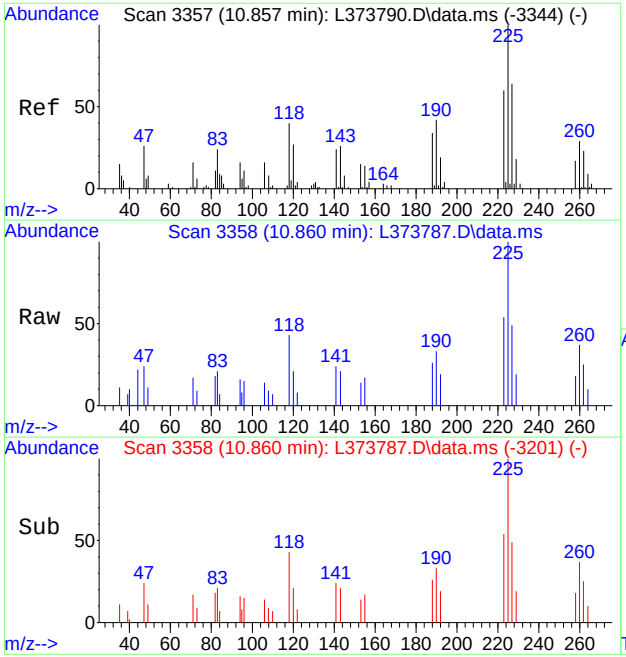


#117
1,2,4-trichlorobenzene
Concen: 4.26 ug/L
RT: 10.709 min Scan# 3311
Delta R.T. 0.000 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion:180 Resp: 11284

Ion	Ratio	Lower	Upper
180	100		
182	99.7	63.1	123.1
184	28.1	0.8	60.8

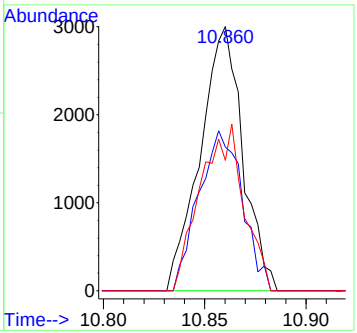


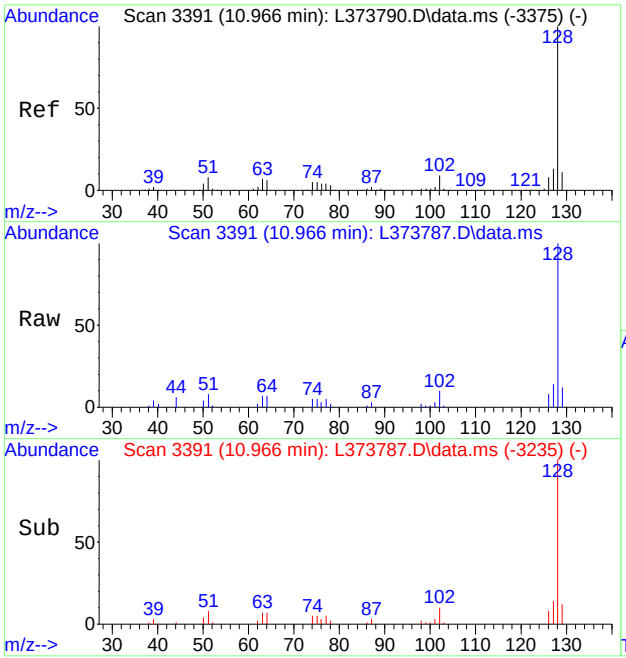


#118
hexachlorobutadiene
Concen: 4.46 ug/L
RT: 10.860 min Scan# 3358
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion:225 Resp: 4395

Ion	Ratio	Lower	Upper
225	100		
223	54.4	30.0	90.0
227	49.3	33.8	93.8

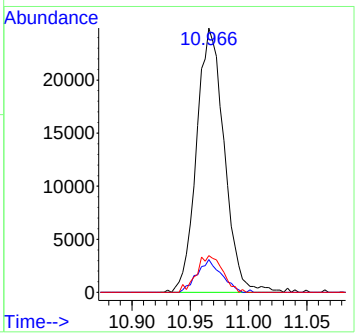


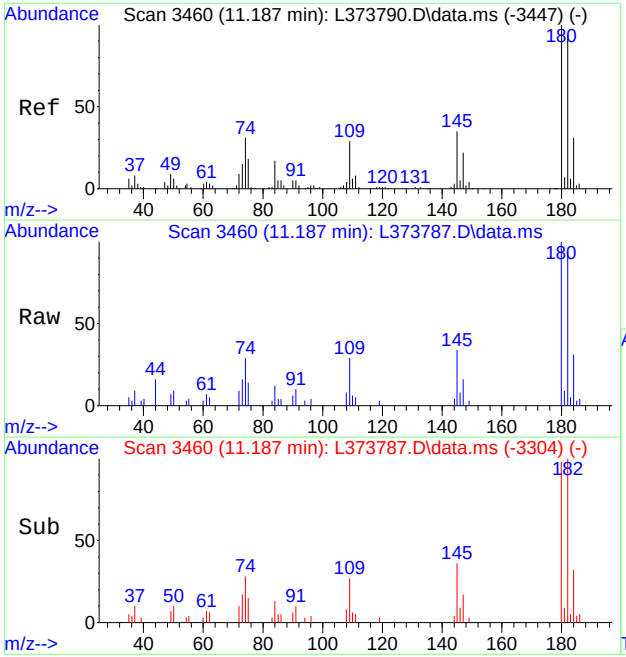


#119
naphthalene
Concen: 4.12 ug/L
RT: 10.966 min Scan# 3391
Delta R.T. 0.000 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion:128 Resp: 41187

Ion	Ratio	Lower	Upper
128	100		
129	12.5	0.0	41.1
127	13.9	0.0	42.9

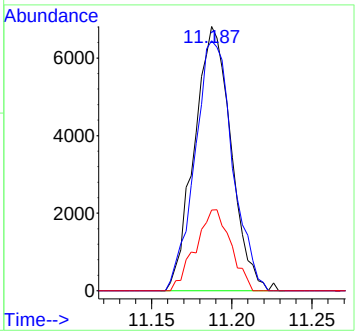


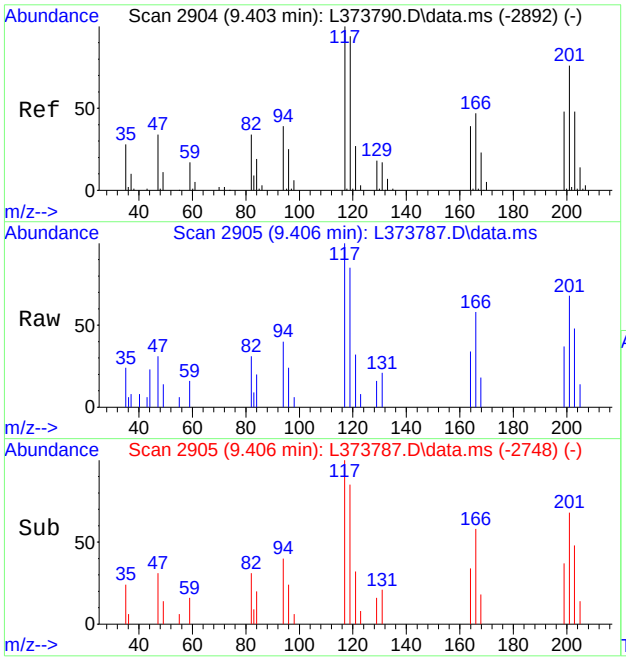


#120
1,2,3-trichlorobenzene
Concen: 4.23 ug/L
RT: 11.187 min Scan# 3460
Delta R.T. 0.000 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion:180 Resp: 10870

Ion	Ratio	Lower	Upper
180	100		
182	94.5	63.9	123.9
184	30.6	1.2	61.2

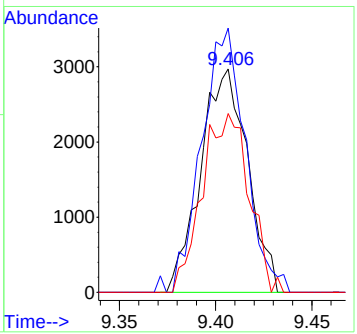


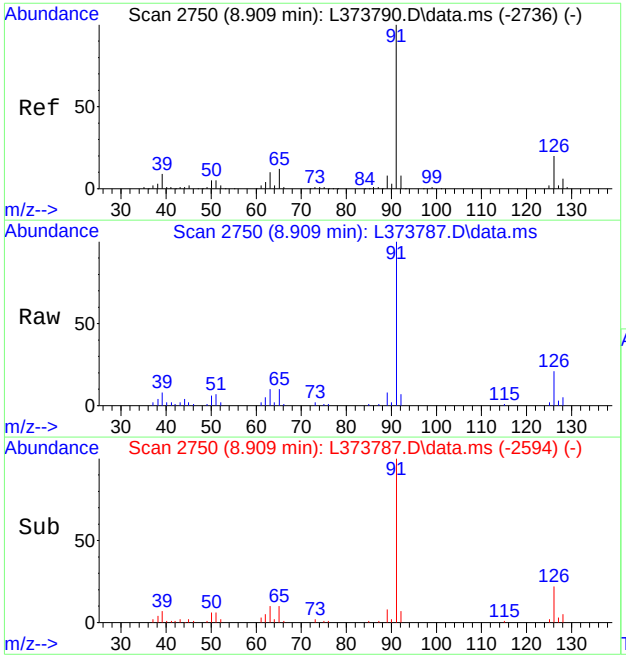


#121
hexachloroethane
Concen: 4.09 ug/L
RT: 9.406 min Scan# 2905
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion:119 Resp: 5060

Ion	Ratio	Lower	Upper
119	100		
117	110.9	76.2	136.2
201	80.1	51.2	111.2

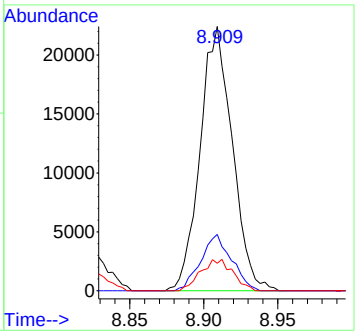


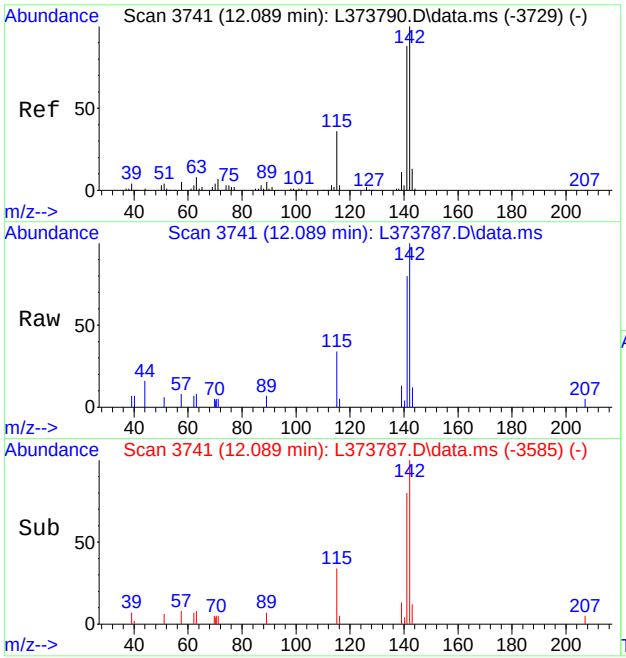


#122
benzyl chloride
Concen: 4.24 ug/L
RT: 8.909 min Scan# 2750
Delta R.T. 0.000 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 91 Resp: 33873

Ion	Ratio	Lower	Upper
91	100		
126	21.3	0.0	49.8
65	10.4	0.0	41.8

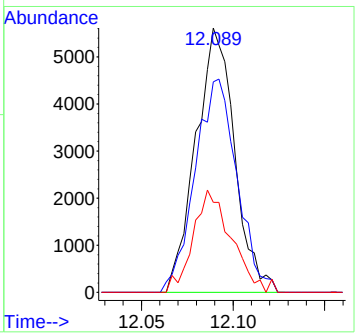




#123
2-methylnaphthalene
Concen: 2.15 ug/L
RT: 12.089 min Scan# 3741
Delta R.T. 0.000 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion:142 Resp: 8308

Ion	Ratio	Lower	Upper
142	100		
141	79.6	68.0	108.0
115	34.0	15.9	55.9



Manual Integration Approval Summary

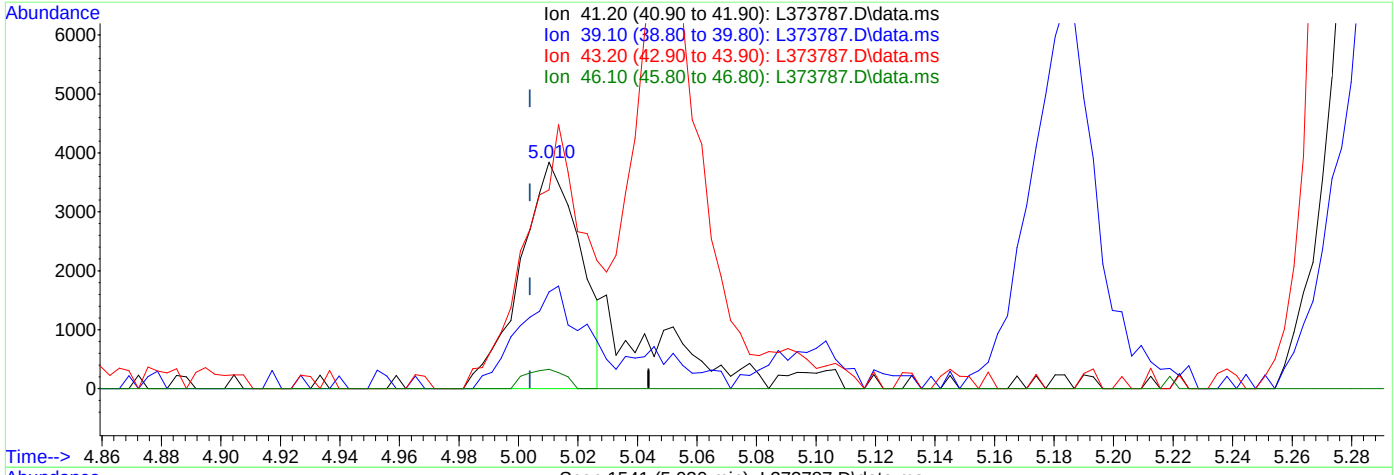
Sample Number:	VL11472-IC11472	**Method:**	SW846 8260D
Lab FileID:	L373787.D	**Analyst approved:**	10/19/25 11:25 MoHui Huang
Injection Time:	10/16/25 19:41	**Supervisor approved:**	10/20/25 12:58 Kanya Veerawat

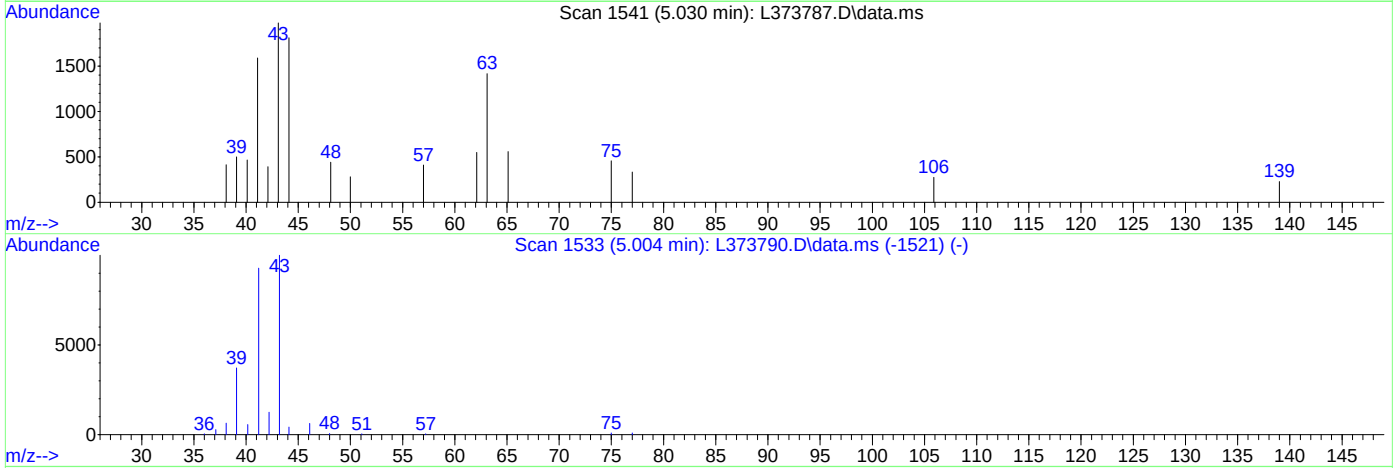
Parameter	CAS	Sig#	R.T. (min.)	Reason
2-Nitropropane	79-46-9		5.01	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373787.D
Acq On : 16 Oct 2025 7:41 pm
Operator : BridgetK
Sample : ic11472-4
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 17 10:06:13 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 10:02:15 2025
Response via : Initial Calibration





TIC: L373787.D\data.ms

(61) 2-nitropropane

5.010min (+0.006) 4.10ug/L

response 5395

Ion	Exp%	Act%
41.20	100	100
39.10	40.00	42.78
43.20	107.90	87.76
46.10	6.70	8.62

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373788.D
Acq On : 16 Oct 2025 8:06 pm
Operator : BridgetK
Sample : ic11472-8
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 17 10:11:40 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 10:09:38 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	2.613	65	272991	500.00	ug/L	0.00
5) pentafluorobenzene	3.755	168	240013	50.00	ug/L	0.00
51) 1,4-difluorobenzene	4.291	114	404361	50.00	ug/L	0.00
72) chlorobenzene-d5	6.615	117	317204	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	8.774	152	151704	50.00	ug/L	0.00
124) pentafluorobenzene(a)	3.755	168	240013	50.00	ug/L	0.00
131) 1,4-dichlorobenzene-d4(a)	8.774	152	151704	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	3.755	113	126151	50.32	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.64%			
52) 1,2-dichloroethane-d4 (s)	3.993	65	145799	49.51	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 99.02%			
73) toluene-d8 (s)	5.395	98	464471	50.88	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.76%			
97) 4-bromofluorobenzene (s)	7.680	95	161625	49.89	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.78%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.705	88	15485	187.9534	ug/L	92
3) ethanol	2.090	45	58736	703.7590	ug/L	98
4) tertiary butyl alcohol	2.664	59	34763	38.2043	ug/L	89
6) chlorodifluoromethane	1.365	51	29787	8.1618	ug/L	96
7) dichlorodifluoromethane	1.352	85	29192	8.3806	ug/L	100
8) chloromethane	1.487	50	25837	7.2958	ug/L	97
9) vinyl chloride	1.554	62	26157	7.6326	ug/L	97
10) 1,3-butadiene	1.580	54	27915	8.4943	ug/L	100
11) bromomethane	1.772	96	6042	6.9531	ug/L	99
12) chloroethane	1.843	64	10787	7.0801	ug/L	98
13) trichlorofluoromethane	2.003	101	34334	8.1827	ug/L	96
14) ethyl ether	2.167	74	11882	8.2606	ug/L	86
15) acrolein	2.257	56	4746	7.9265	ug/L	93
16) freon 113	2.324	151	16458	9.4003	ug/L	85
17) 1,1-dichloroethene	2.327	96	20329	9.1598	ug/L	98
18) acetone	2.340	58	14375	31.7655	ug/L	92
19) acetonitrile	2.517	40	28035	83.0401	ug/L	99
20) iodomethane	2.427	142	9953	7.7854	ug/L	87
21) iso-butyl alcohol	3.906	43	25913	81.2316	ug/L	93
22) carbon disulfide	2.478	76	61051	8.4257	ug/L	99
23) methylene chloride	2.629	84	23407	8.1440	ug/L	95
24) methyl acetate	2.530	74	5475	7.6331	ug/L #	80
25) methyl tert butyl ether	2.783	73	64558	8.9964	ug/L	97
26) trans-1,2-dichloroethene	2.796	96	22572	8.8677	ug/L	96
27) hexane	2.963	57	27241	8.9283	ug/L	96
28) di-isopropyl ether	3.075	45	65266	8.5490	ug/L	90
29) ethyl tert-butyl ether	3.306	59	67531	8.7164	ug/L	98
30) 2-butanone	3.415	72	18555	34.6093	ug/L	96
31) 1,1-dichloroethane	3.072	63	41203	8.5259	ug/L	96
32) chloroprene	3.120	53	36158	9.1425	ug/L	96
33) acrylonitrile	2.767	53	10107	7.5434	ug/L	86
34) vinyl acetate	3.056	86	5180	8.4306	ug/L #	81
35) ethyl acetate	3.428	45	4888	6.6989	ug/L #	81
36) 2,2-dichloropropane	3.444	77	36874	8.3793	ug/L	94
37) cis-1,2-dichloroethene	3.438	96	24154	8.5251	ug/L	93
38) propionitrile	3.463	54	61112	78.5649	ug/L	97
39) methyl acrylate	3.467	85	4560	7.9714	ug/L #	85
40) bromochloromethane	3.592	128	11101	8.8637	ug/L	85

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373788.D
Acq On : 16 Oct 2025 8:06 pm
Operator : BridgetK
Sample : ic11472-8
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 17 10:11:40 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 10:09:38 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) tetrahydrofuran	3.601	72	5831	8.3662 ug/L #	70
42) chloroform	3.650	83	43994	7.6700 ug/L	99
44) methacrylonitrile	3.560	67	13142	8.1526 ug/L	98
45) 1,1,1-trichloroethane	3.775	97	36647	8.6821 ug/L #	49
46) cyclohexane	3.832	84	29530	8.5944 ug/L	90
47) 1,1-dichloropropene	3.877	75	30156	9.1650 ug/L	93
48) carbon tetrachloride	3.881	117	30032	8.8987 ug/L	96
49) isopropyl acetate	4.009	87	6285	8.3150 ug/L #	80
50) tert amyl alcohol	3.993	55	11737	35.4078 ug/L #	88
53) tert-amyl methyl ether	4.089	73	65475	8.3597 ug/L	97
54) 2,2,4-trimethylpentane	4.083	57	50200	8.7151 ug/L	98
55) n-butyl alcohol	4.365	56	93144	374.0139 ug/L	98
56) benzene	4.019	78	86853	8.0787 ug/L	99
57) heptane	4.198	57	10864	9.0363 ug/L	85
58) 1,2-dichloroethane	4.047	62	33230	8.0828 ug/L	94
59) trichloroethene	4.471	95	23523	9.0758 ug/L	95
60) ethyl acrylate	4.503	55	37628	7.6210 ug/L	97
61) 2-nitropropane	5.007	41	11975	8.4542 ug/L	90
62) 2-chloroethyl vinyl ether	5.049	63	35697	38.9356 ug/L	97
63) methyl methacrylate	4.676	100	7380	8.4266 ug/L #	89
64) 1,2-dichloropropane	4.660	63	22648	8.3511 ug/L	98
65) methylcyclohexane	4.647	83	31653	9.0171 ug/L	98
66) dibromomethane	4.731	93	14949	7.8016 ug/L	93
67) bromodichloromethane	4.846	83	32224	8.2803 ug/L	93
68) cis-1,3-dichloropropene	5.183	75	35266	8.1553 ug/L	99
69) epichlorohydrin	5.097	57	22193	38.7481 ug/L	97
70) 4-methyl-2-pentanone	5.283	58	54358	30.7639 ug/L	98
71) 3-methyl-1-butanol	5.318	70	35800	153.2408 ug/L #	83
74) toluene	5.453	92	54045	8.1283 ug/L	97
75) trans-1,3-dichloropropene	5.626	75	33425	8.2568 ug/L	96
76) ethyl methacrylate	5.658	69	33397	7.7550 ug/L	98
77) 1,1,2-trichloroethane	5.790	83	18463	8.5006 ug/L	91
78) 2-hexanone	5.957	58	61087	31.4184 ug/L	98
79) tetrachloroethene	5.873	166	22346	8.5269 ug/L	91
80) 1,3-dichloropropane	5.928	76	34580	8.2650 ug/L	98
81) butyl acetate	6.050	56	19630	7.6144 ug/L	96
82) dibromochloromethane	6.111	129	22388	7.8328 ug/L	100
83) 1,2-dibromoethane	6.217	107	21966	8.3242 ug/L	96
84) n-butyl ether	6.711	57	91748	8.1483 ug/L	98
85) chlorobenzene	6.640	112	57714	8.2086 ug/L	98
86) 1,1,1,2-tetrachloroethane	6.711	131	19840	8.7626 ug/L	93
87) ethylbenzene	6.720	91	102196	8.4696 ug/L	98
88) m,p-xylene	6.836	106	77071	16.3482 ug/L	98
89) o-xylene	7.183	106	37933	8.2024 ug/L	98
90) butyl acrylate	7.128	55	52334	7.4613 ug/L	94
91) styrene	7.199	104	64266	8.4144 ug/L	99
92) bromoform	7.362	173	15628	7.7376 ug/L	97
93) n-amyl acetate	7.330	70	19888	7.5621 ug/L	98
94) isopropylbenzene	7.516	105	91582	8.3386 ug/L	98
95) cis-1,4-dichloro-2-butene	7.571	88	6494	7.5031 ug/L	93
98) bromobenzene	7.811	156	22879	8.3434 ug/L	93
99) 1,1,2,2-tetrachloroethane	7.802	83	32675	7.6438 ug/L	94
100) trans-1,4-dichloro-2-b...	7.844	53	5822	7.5158 ug/L #	65
101) 1,2,3-trichloropropane	7.860	110	9668	7.4723 ug/L	95
102) n-propylbenzene	7.905	91	111277	8.5235 ug/L	99
103) 2-chlorotoluene	7.988	126	21198	8.2409 ug/L	98
104) 4-chlorotoluene	8.103	126	22201	8.0246 ug/L	91
105) 1,3,5-trimethylbenzene	8.075	105	76664	8.4220 ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373788.D
Acq On : 16 Oct 2025 8:06 pm
Operator : BridgetK
Sample : ic11472-8
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 17 10:11:40 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 10:09:38 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
106) tert-butylbenzene	8.373	119	59786	8.1955	ug/L	99
107) 1,2,4-trimethylbenzene	8.434	105	77701	8.4919	ug/L	99
108) sec-butylbenzene	8.588	105	88104	8.4756	ug/L	98
109) 1,3-dichlorobenzene	8.700	146	41810	8.1833	ug/L	99
110) p-isopropyltoluene	8.736	119	73580	8.5815	ug/L	97
111) 1,4-dichlorobenzene	8.797	146	42727	8.0003	ug/L	96
112) 1,2,3-trimethylbenzene	8.822	105	80277	8.1100	ug/L	96
113) 1,2-dichlorobenzene	9.143	146	40255	8.1980	ug/L	100
114) n-butylbenzene	9.130	92	35156	8.2884	ug/L	91
115) 1,2-dibromo-3-chloropr...	9.907	157	8898	7.8352	ug/L	97
116) 1,3,5-trichlorobenzene	10.090	180	25868	8.4798	ug/L	93
117) 1,2,4-trichlorobenzene	10.712	180	22407	8.2767	ug/L	94
118) hexachlorobutadiene	10.857	225	8626	8.4817	ug/L	88
119) naphthalene	10.966	128	81798	8.0565	ug/L	98
120) 1,2,3-trichlorobenzene	11.187	180	20831	7.9384	ug/L	95
121) hexachloroethane	9.400	119	10626	8.4739	ug/L	85
122) benzyl chloride	8.909	91	64882	7.9456	ug/L	96
123) 2-methylnaphthalene	12.092	142	16324	4.1179	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

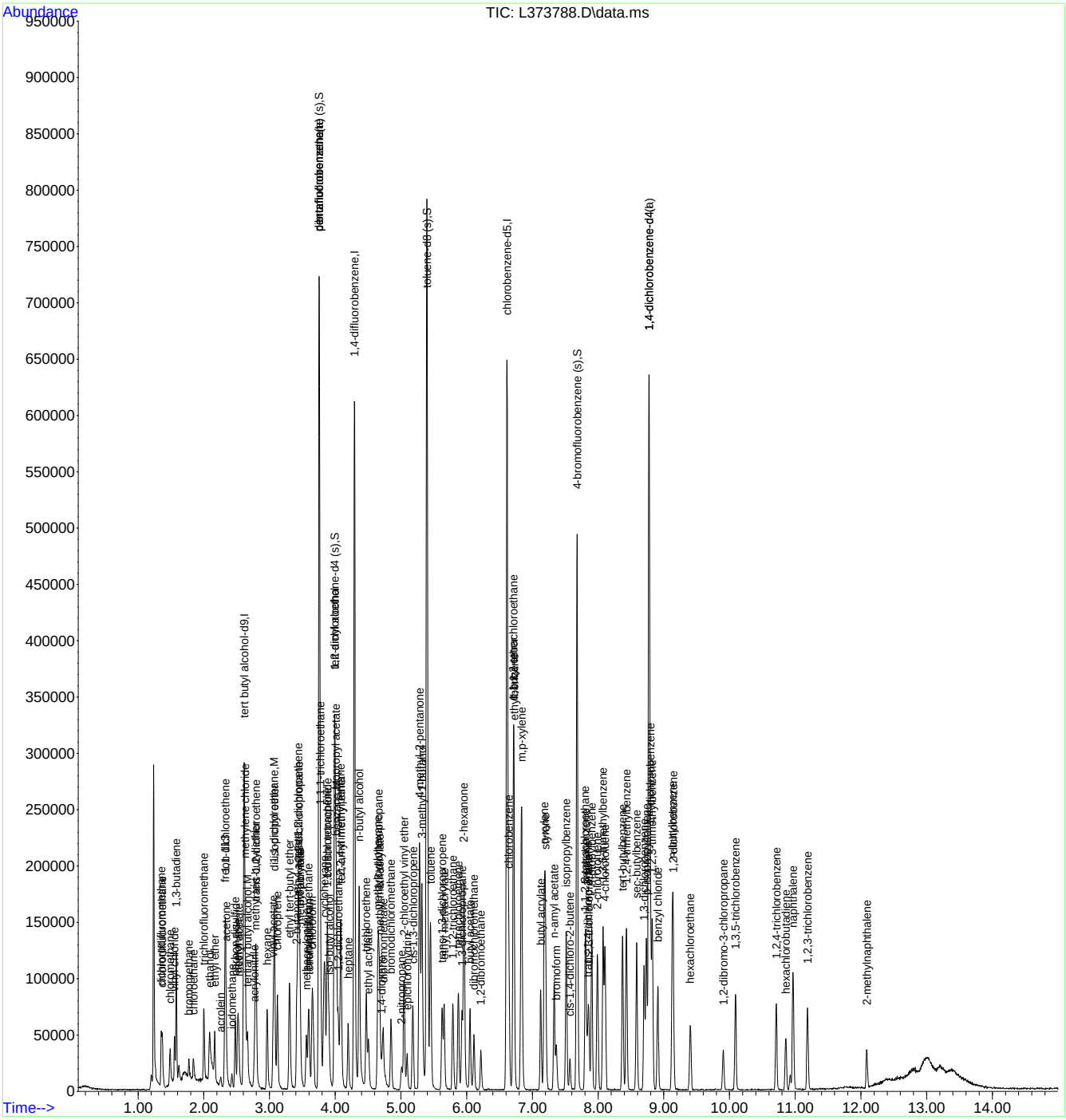
7.6.34

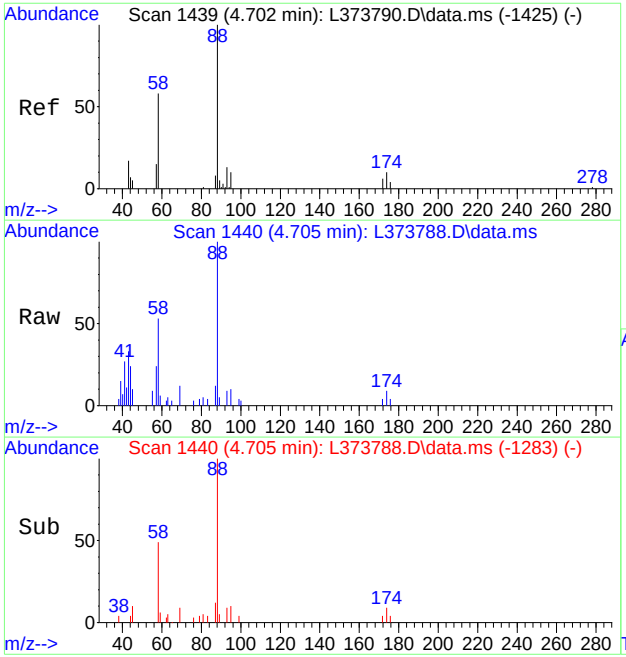
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373788.D
Acq On : 16 Oct 2025 8:06 pm
Operator : BridgetK
Sample : ic11472-8
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 17 10:11:40 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 10:09:38 2025
Response via : Initial Calibration

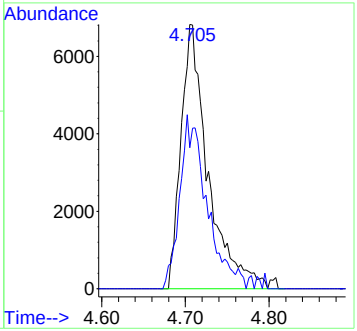


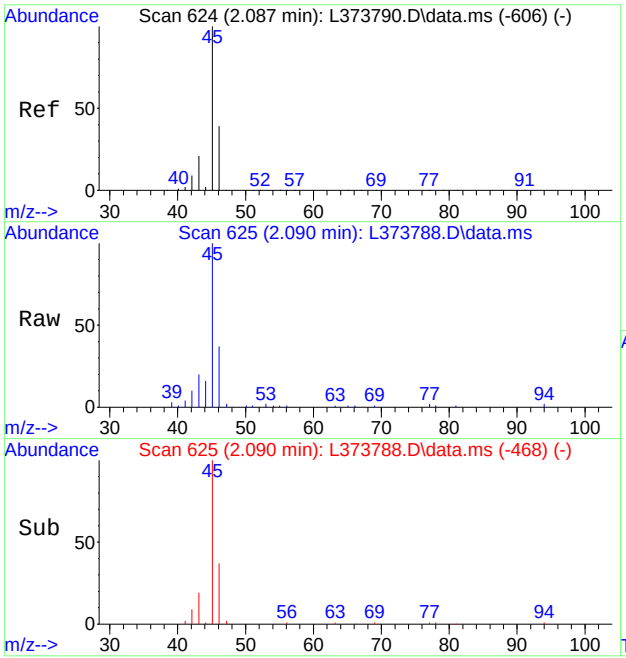


#2
1,4-dioxane
Concen: 187.95 ug/L
RT: 4.705 min Scan# 1440
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 88 Resp: 15485

Ion	Ratio	Lower	Upper
88	100		
58	53.3	29.1	89.1

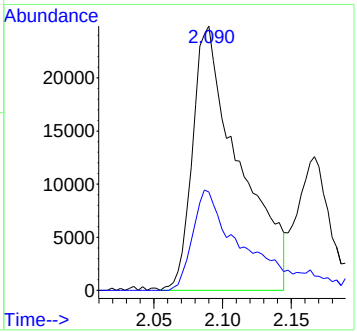


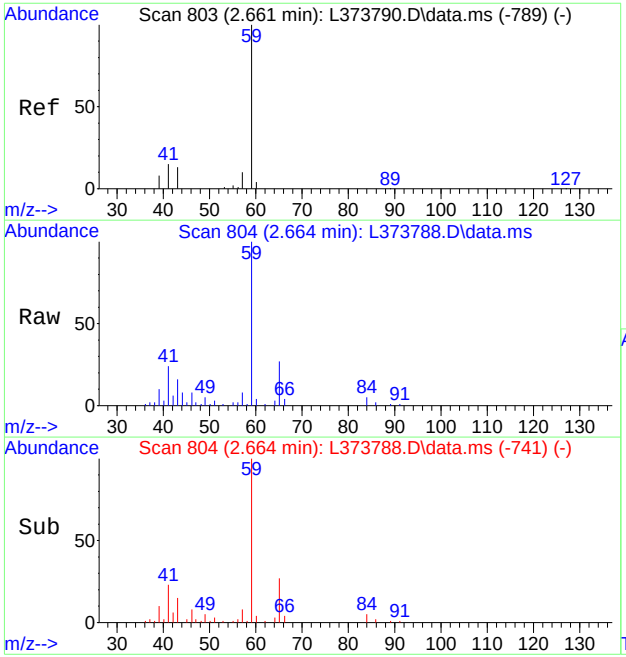


#3
ethanol
Concen: 703.76 ug/L
RT: 2.090 min Scan# 625
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 45 Resp: 58736

Ion	Ratio	Lower	Upper
45	100		
46	37.2	18.6	58.6

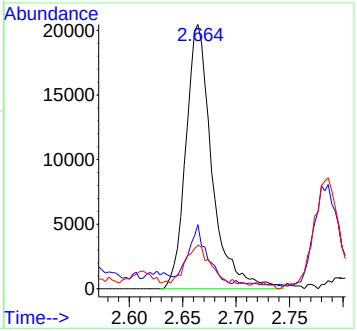


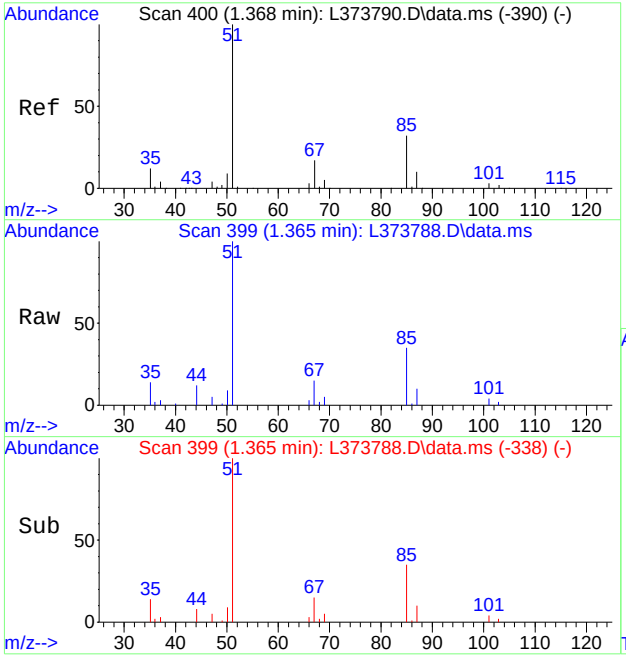


#4
tertiary butyl alcohol
Concen: 38.20 ug/L
RT: 2.664 min Scan# 804
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 59 Resp: 34763

Ion	Ratio	Lower	Upper
59	100		
41	22.8	0.0	45.3
43	15.1	0.0	43.5

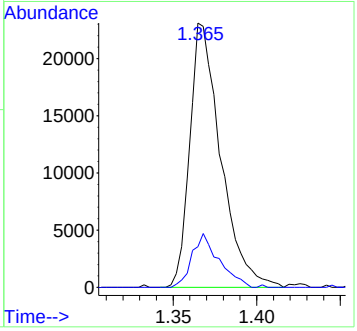


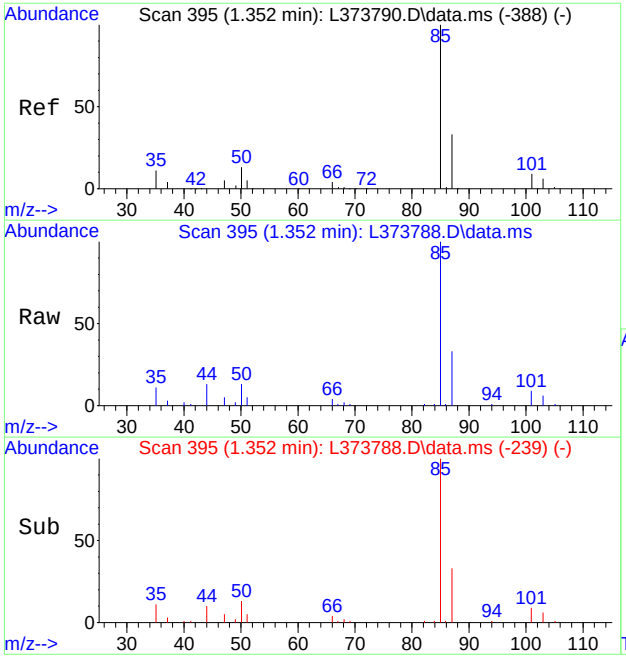


#6
chlorodifluoromethane
Concen: 8.16 ug/L
RT: 1.365 min Scan# 399
Delta R.T. -0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 51 Resp: 29787

Ion	Ratio	Lower	Upper
51	100		
67	15.4	0.0	37.0

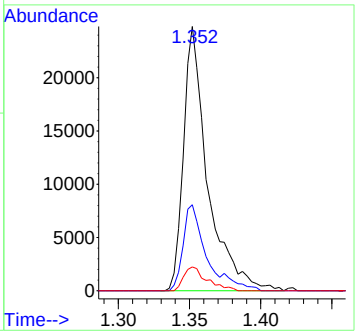


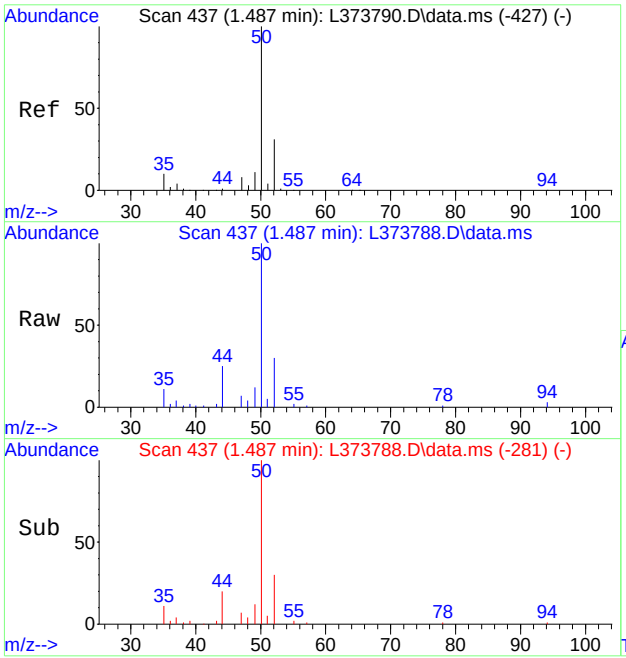


#7
dichlorodifluoromethane
Concen: 8.38 ug/L
RT: 1.352 min Scan# 395
Delta R.T. -0.000 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 85 Resp: 29192

Ion	Ratio	Lower	Upper
85	100		
87	32.5	2.8	62.8
101	9.0	0.0	38.9

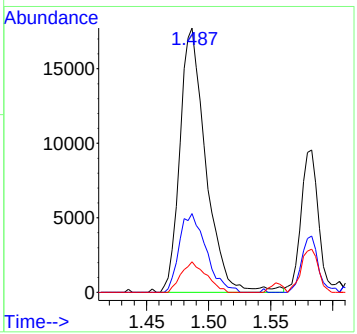


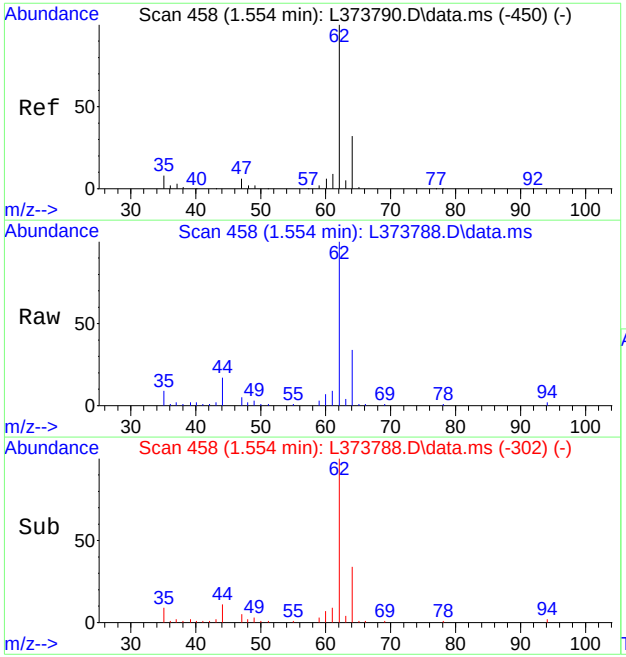


#8
chloromethane
Concen: 7.30 ug/L
RT: 1.487 min Scan# 437
Delta R.T. -0.000 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 50 Resp: 25837

Ion	Ratio	Lower	Upper
50	100		
52	29.8	1.5	61.5
49	11.6	0.0	41.1

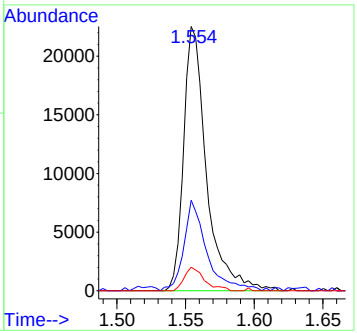


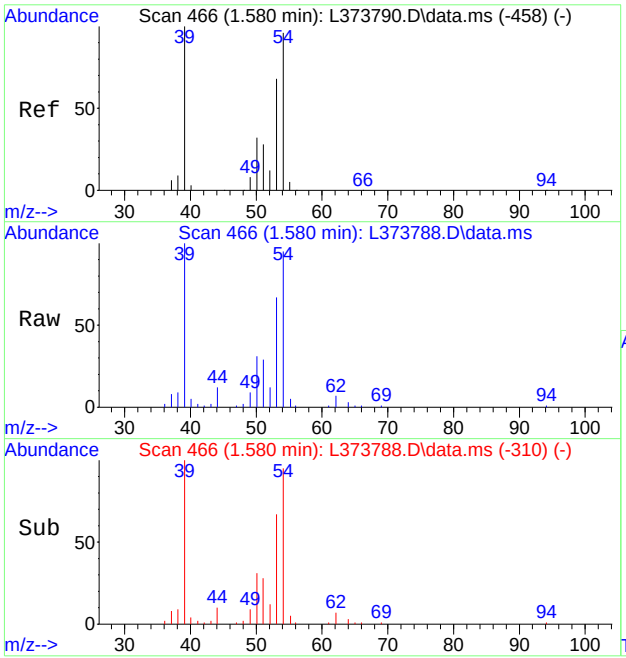


#9
vinyl chloride
Concen: 7.63 ug/L
RT: 1.554 min Scan# 458
Delta R.T. -0.000 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 62 Resp: 26157

Ion	Ratio	Lower	Upper
62	100		
64	34.2	2.2	62.2
61	9.0	0.0	38.5

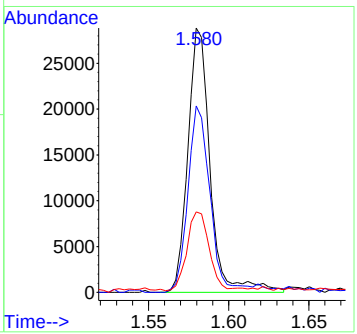




#10
1,3-butadiene
Concen: 8.49 ug/L
RT: 1.580 min Scan# 466
Delta R.T. -0.000 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

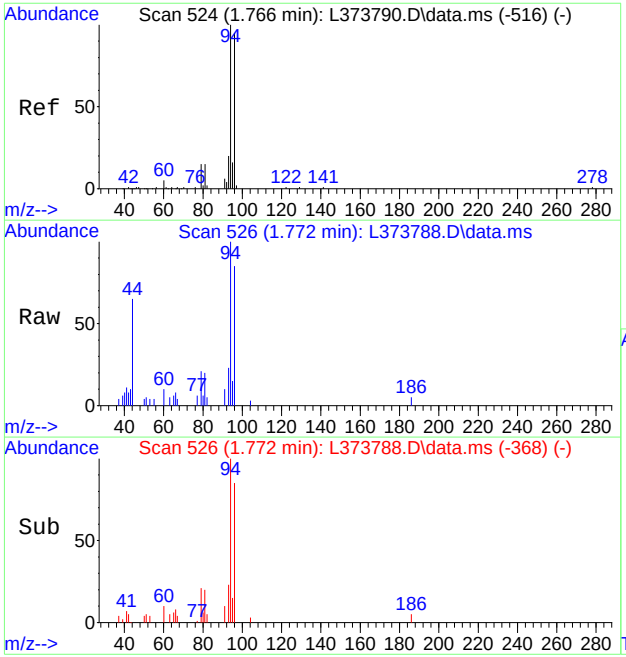
Tgt Ion: 54 Resp: 27915

Ion	Ratio	Lower	Upper
54	100		
53	70.5	40.7	100.7
51	29.4	0.0	59.5



7.6.34

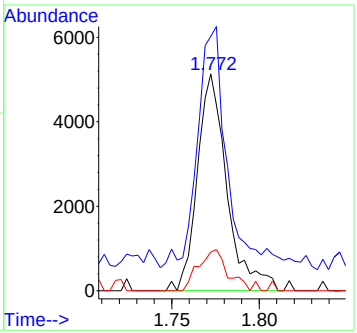
7

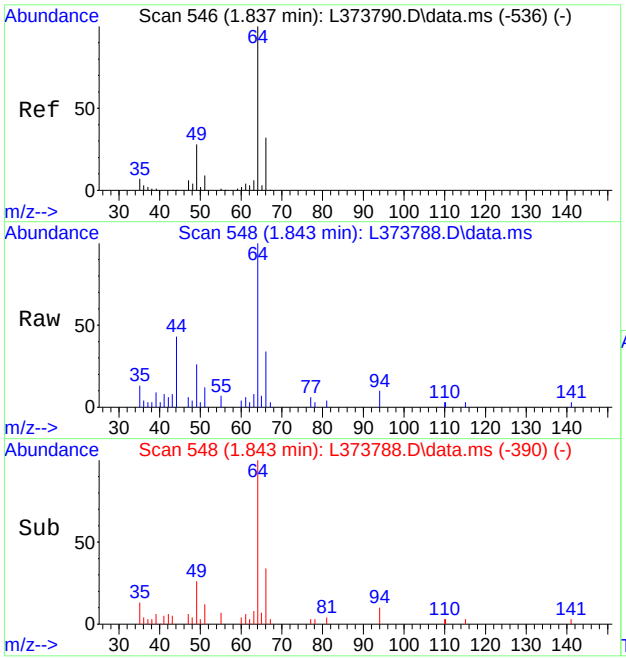


#11
bromomethane
Concen: 6.95 ug/L
RT: 1.772 min Scan# 526
Delta R.T. 0.006 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 96 Resp: 6042

Ion	Ratio	Lower	Upper
96	100		
94	106.6	76.7	136.7
95	17.8	0.0	46.3

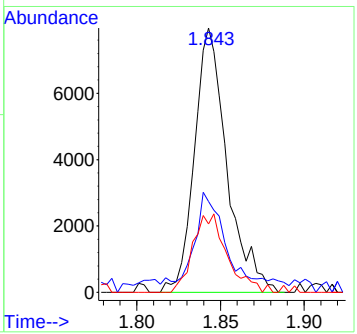


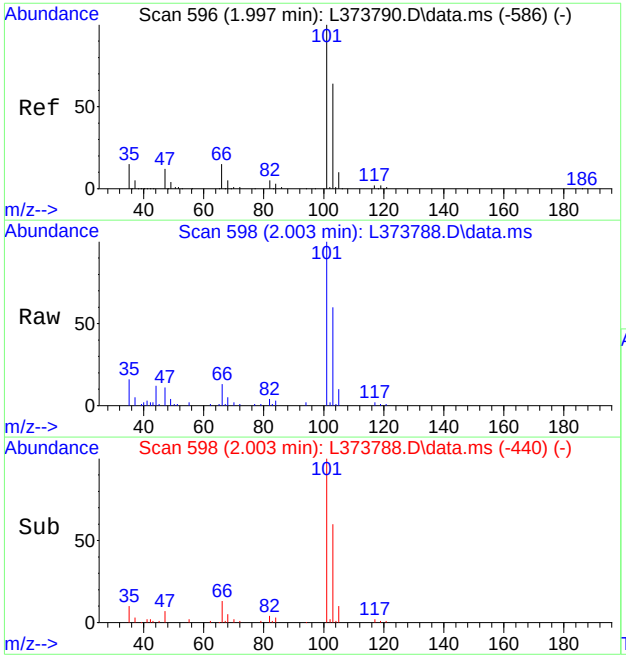


#12
chloroethane
Concen: 7.08 ug/L
RT: 1.843 min Scan# 548
Delta R.T. 0.006 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 64 Resp: 10787

Ion	Ratio	Lower	Upper
64	100		
66	31.2	1.8	61.8
49	25.9	0.0	57.7

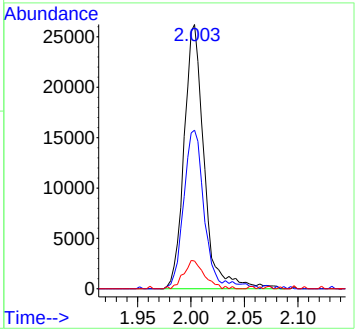


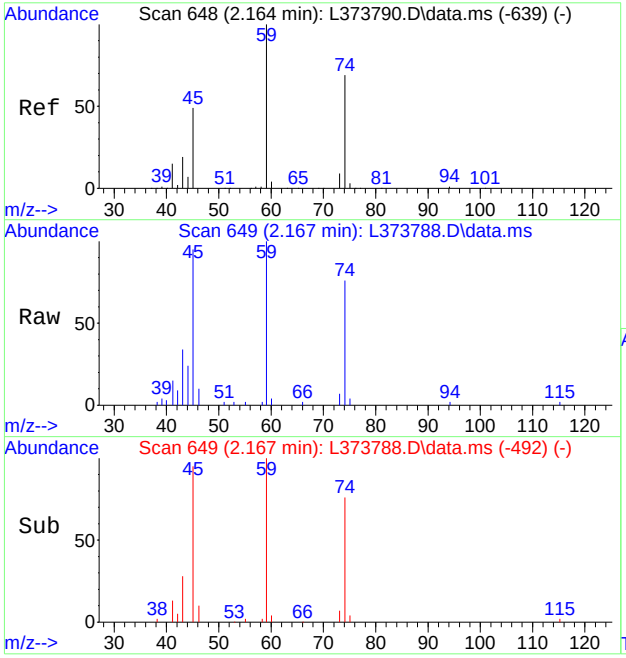


#13
trichlorofluoromethane
Concen: 8.18 ug/L
RT: 2.003 min Scan# 598
Delta R.T. 0.006 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion:101 Resp: 34334

Ion	Ratio	Lower	Upper
101	100		
103	60.0	33.8	93.8
105	10.5	0.0	40.0

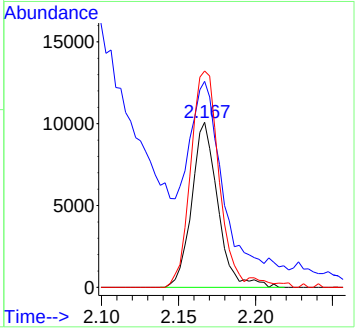


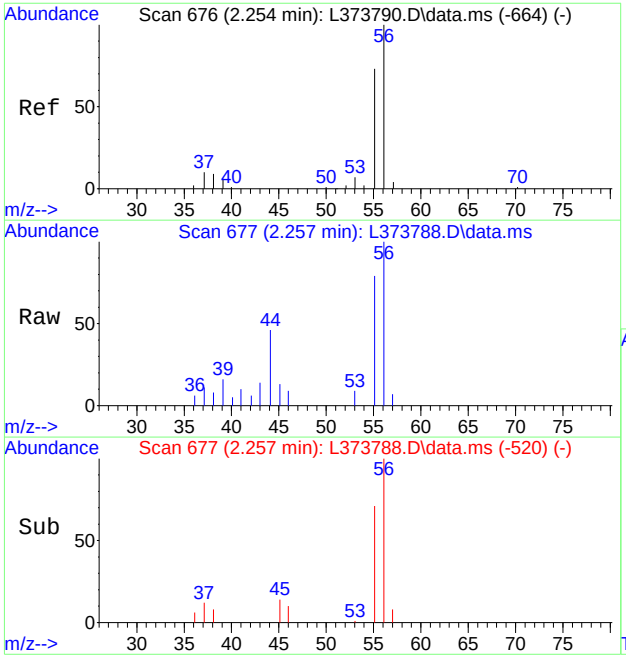


#14
ethyl ether
Concen: 8.26 ug/L
RT: 2.167 min Scan# 649
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 74 Resp: 11882

Ion	Ratio	Lower	Upper
74	100		
45	111.5	102.0	162.0
59	131.0	114.2	174.2

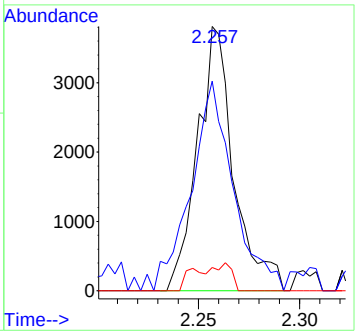


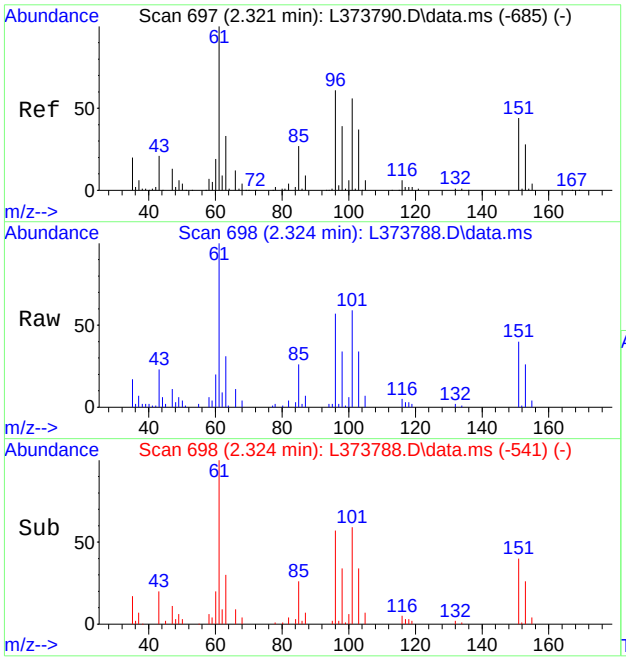


#15
acrolein
Concen: 7.93 ug/L
RT: 2.257 min Scan# 677
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 56 Resp: 4746

Ion	Ratio	Lower	Upper
56	100		
55	79.3	42.9	102.9
53	8.8	0.0	38.0

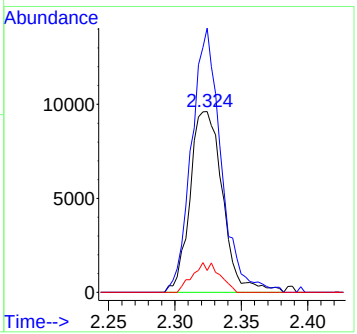


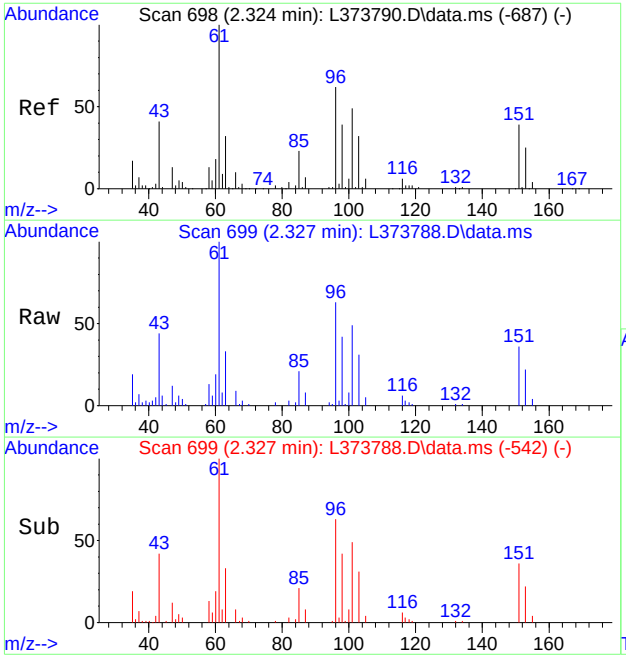


#16
freon 113
Concen: 9.40 ug/L
RT: 2.324 min Scan# 698
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion:151 Resp: 16458

Ion	Ratio	Lower	Upper
151	100		
101	146.2	107.4	147.4
116	12.2	0.0	33.9

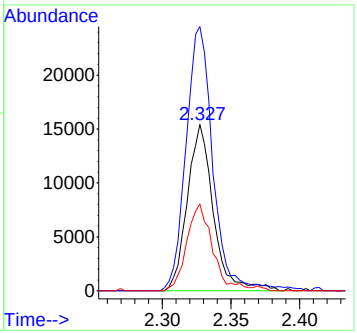


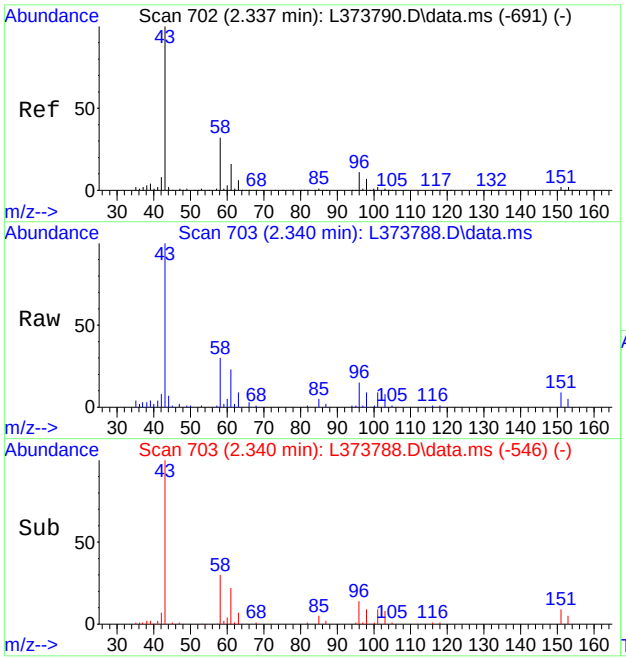


#17
1,1-dichloroethene
Concen: 9.16 ug/L
RT: 2.327 min Scan# 699
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 96 Resp: 20329

Ion	Ratio	Lower	Upper
96	100		
61	158.8	131.4	191.4
63	52.3	22.3	82.3

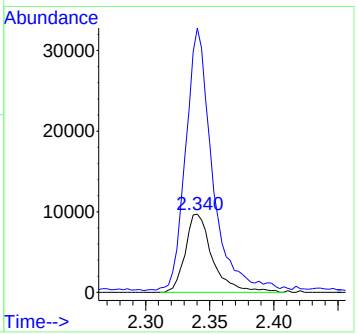


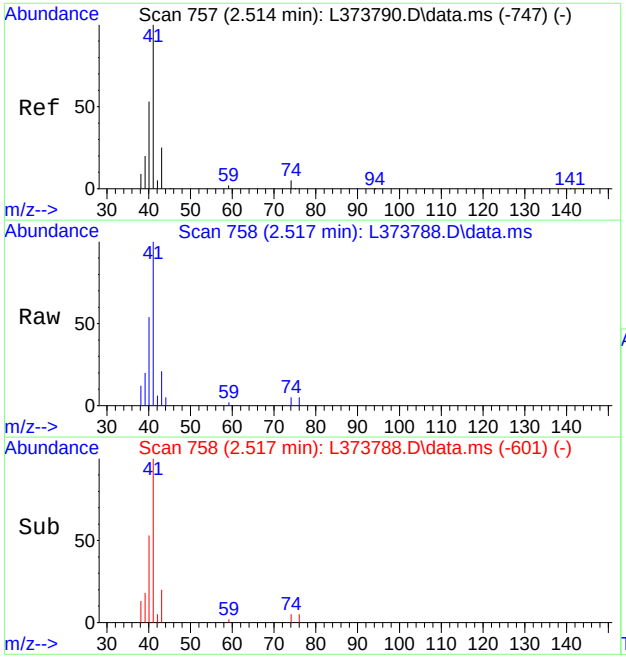


#18
acetone
Concen: 31.77 ug/L
RT: 2.340 min Scan# 703
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 58 Resp: 14375

Ion	Ratio	Lower	Upper
58	100		
43	331.9	286.5	346.5

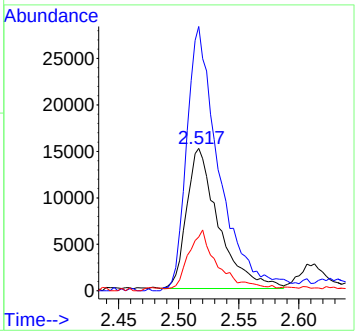


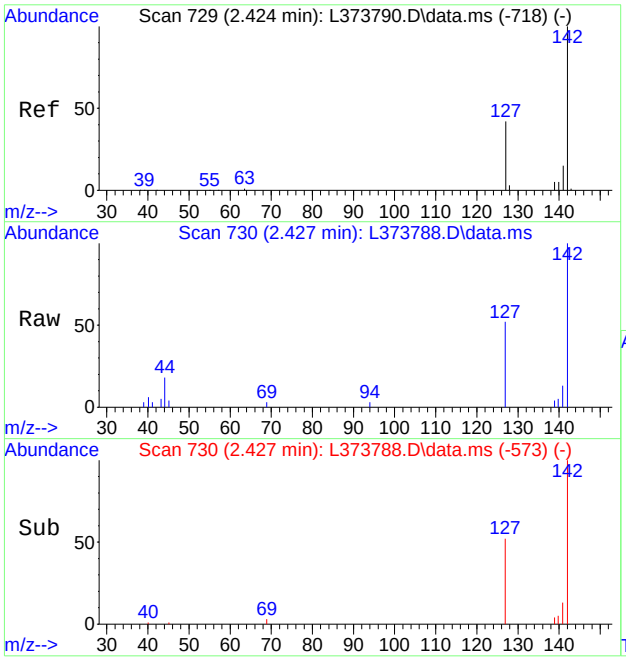


#19
acetonitrile
Concen: 83.04 ug/L
RT: 2.517 min Scan# 758
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 40 Resp: 28035

Ion	Ratio	Lower	Upper
40	100		
41	189.0	158.5	218.5
39	36.4	8.2	68.2

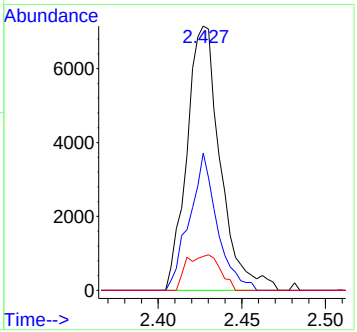


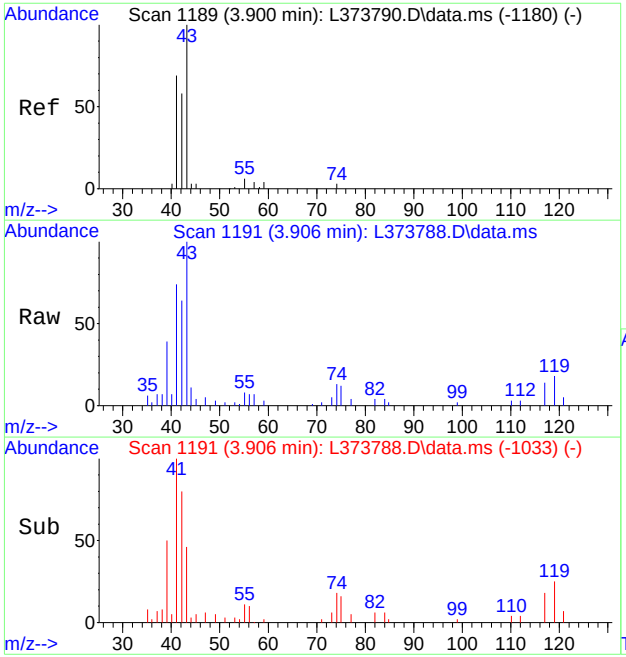


#20
iodomethane
Concen: 7.79 ug/L
RT: 2.427 min Scan# 730
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion:142 Resp: 9953

Ion	Ratio	Lower	Upper
142	100		
127	51.9	12.2	72.2
141	12.8	0.0	44.6

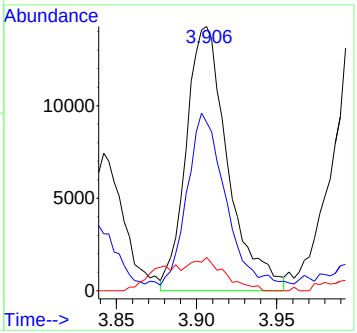


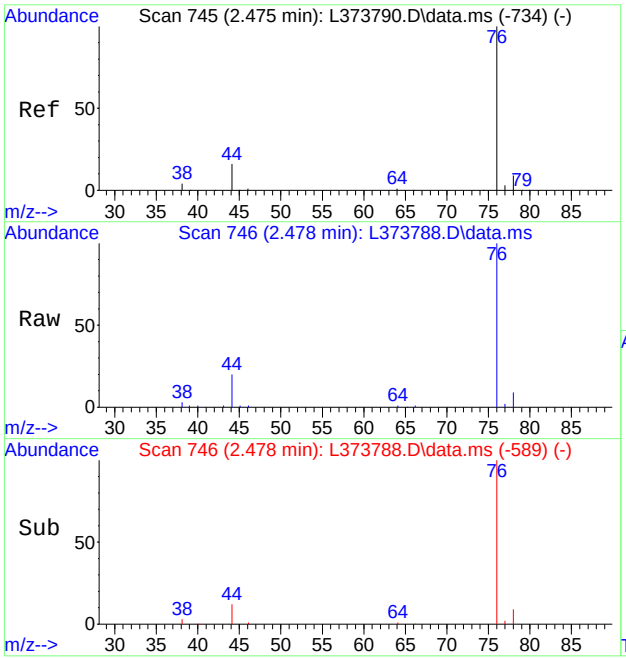


#21
iso-butyl alcohol
Concen: 81.23 ug/L
RT: 3.906 min Scan# 1191
Delta R.T. 0.006 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 43 Resp: 25913

Ion	Ratio	Lower	Upper
43	100		
42	64.0	28.3	88.3
74	13.1	0.0	40.9

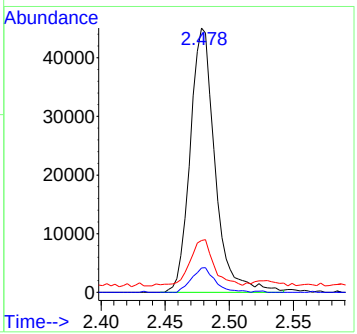


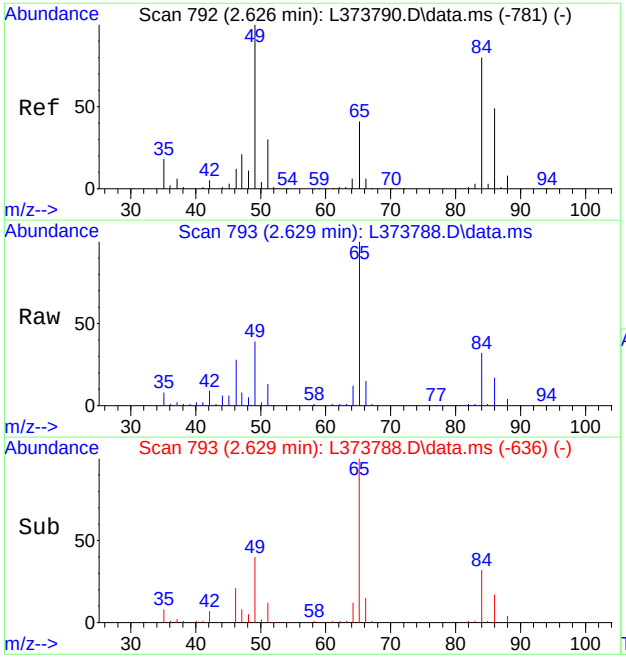


#22
carbon disulfide
Concen: 8.43 ug/L
RT: 2.478 min Scan# 746
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 76 Resp: 61051

Ion	Ratio	Lower	Upper
76	100		
78	9.2	0.0	38.9
44	16.7	0.0	46.1

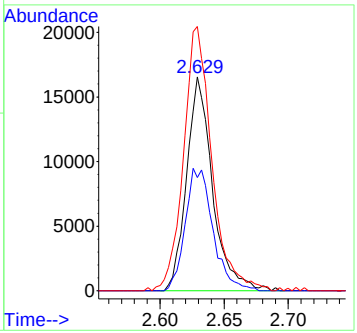


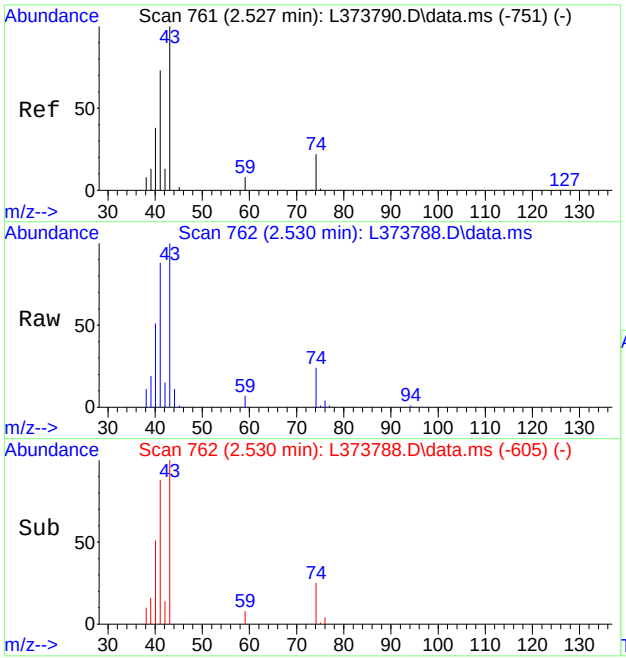


#23
methylene chloride
Concen: 8.14 ug/L
RT: 2.629 min Scan# 793
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 84 Resp: 23407

Ion	Ratio	Lower	Upper
84	100		
86	52.9	31.2	91.2
49	123.6	95.6	155.6

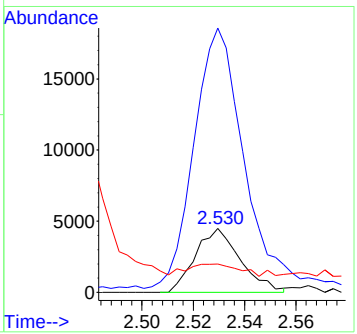


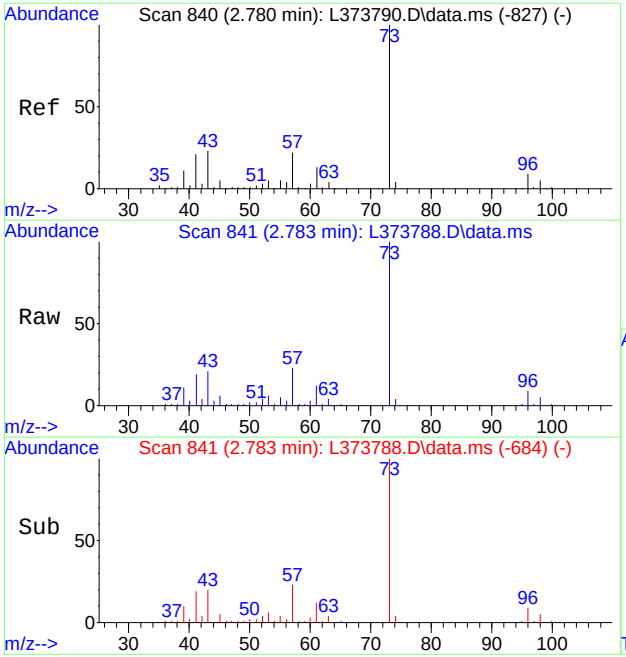


#24
methyl acetate
Concen: 7.63 ug/L
RT: 2.530 min Scan# 762
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 74 Resp: 5475

Ion	Ratio	Lower	Upper
74	100		
43	397.4	417.7	477.7#
44	16.4	0.0	39.0

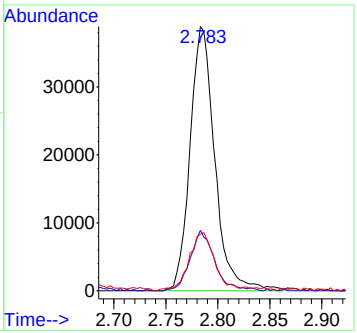


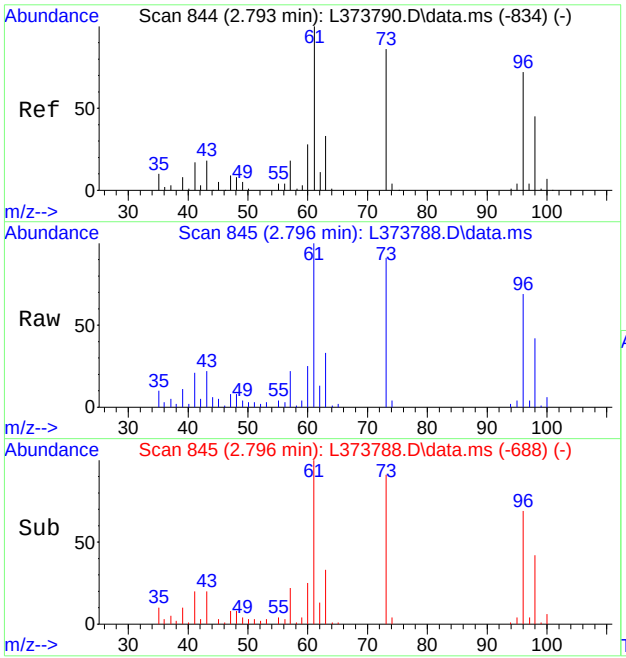


#25
methyl tert butyl ether
Concen: 9.00 ug/L
RT: 2.783 min Scan# 841
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 73 Resp: 64558

Ion	Ratio	Lower	Upper
73	100		
57	22.9	0.0	52.4
43	20.8	0.0	52.7

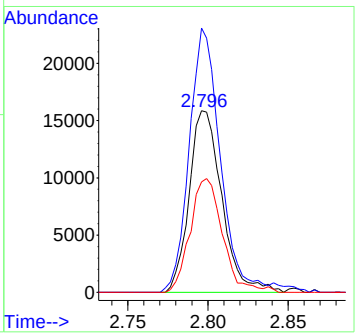


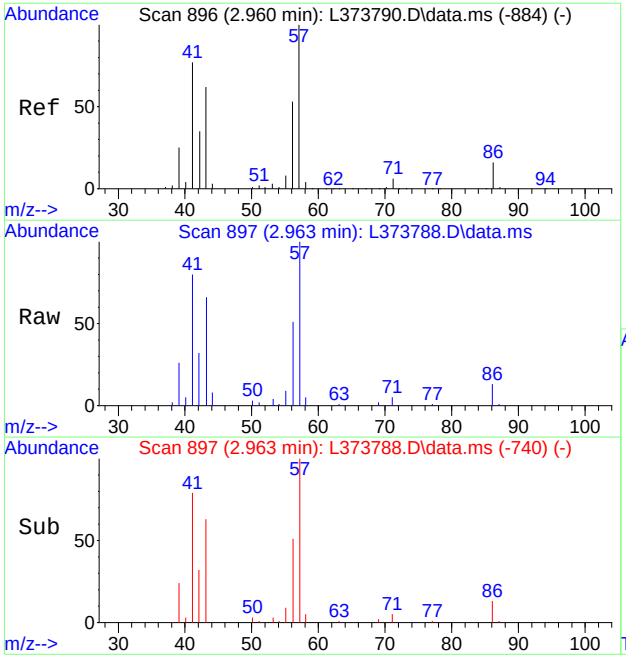


#26
trans-1,2-dichloroethene
Concen: 8.87 ug/L
RT: 2.796 min Scan# 845
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 96 Resp: 22572

Ion	Ratio	Lower	Upper
96	100		
61	145.6	109.1	169.1
98	60.9	32.0	92.0

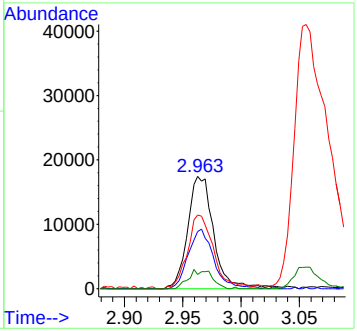


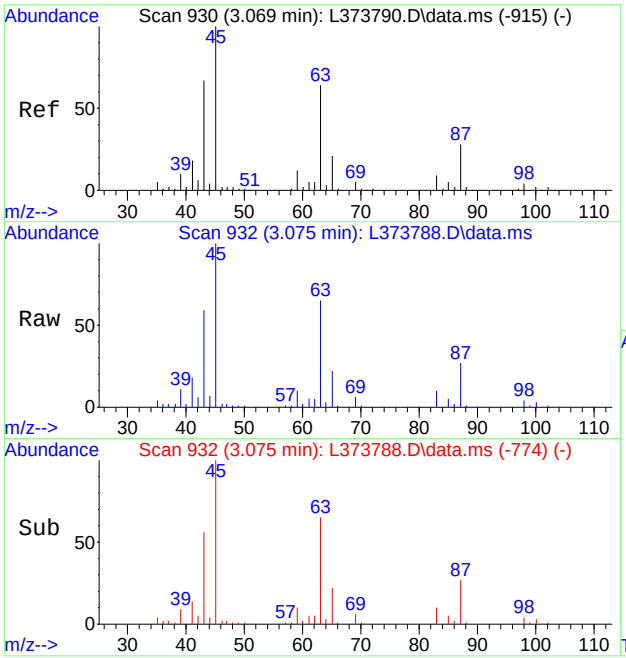


#27
hexane
Concen: 8.93 ug/L
RT: 2.963 min Scan# 897
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 57 Resp: 27241

Ion	Ratio	Lower	Upper
57	100		
56	50.9	32.9	72.9
43	65.6	41.9	81.9
86	12.7	0.0	36.3

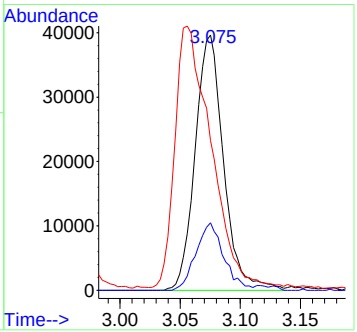


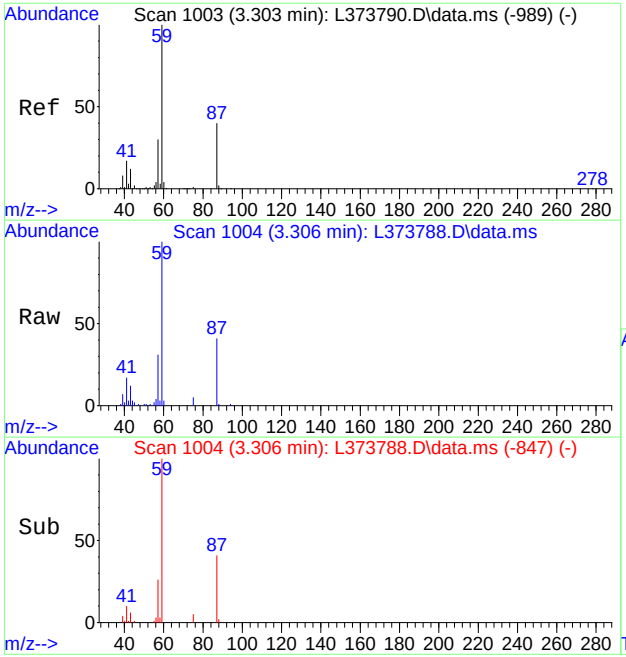


#28
di-isopropyl ether
Concen: 8.55 ug/L
RT: 3.075 min Scan# 932
Delta R.T. 0.006 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 45 Resp: 65266

Ion	Ratio	Lower	Upper
45	100		
87	26.5	0.0	57.5
43	57.0	37.5	97.5

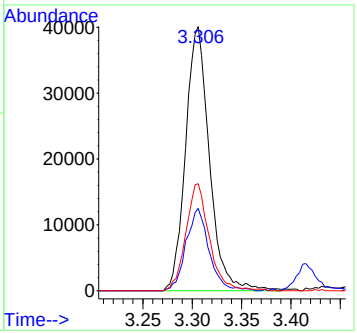


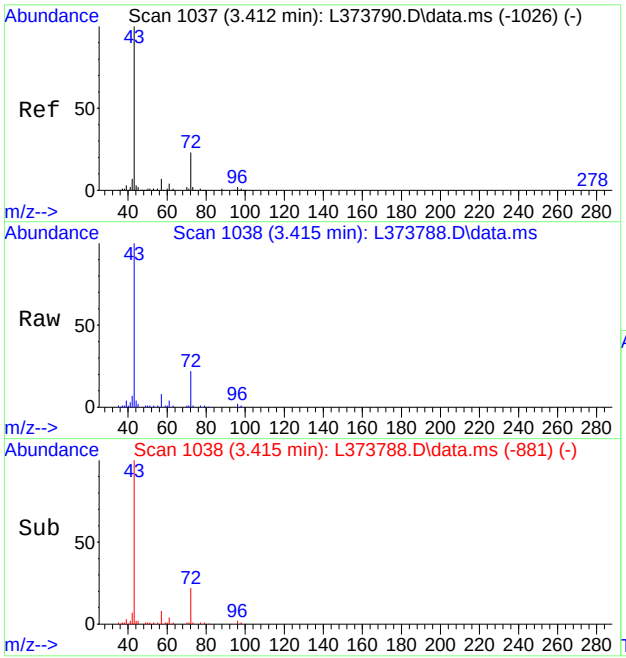


#29
ethyl tert-butyl ether
Concen: 8.72 ug/L
RT: 3.306 min Scan# 1004
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 59 Resp: 67531

Ion	Ratio	Lower	Upper
59	100		
57	31.1	0.3	60.3
87	40.5	9.6	69.6

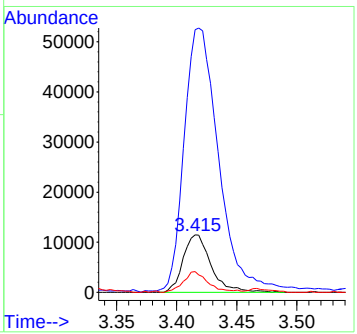


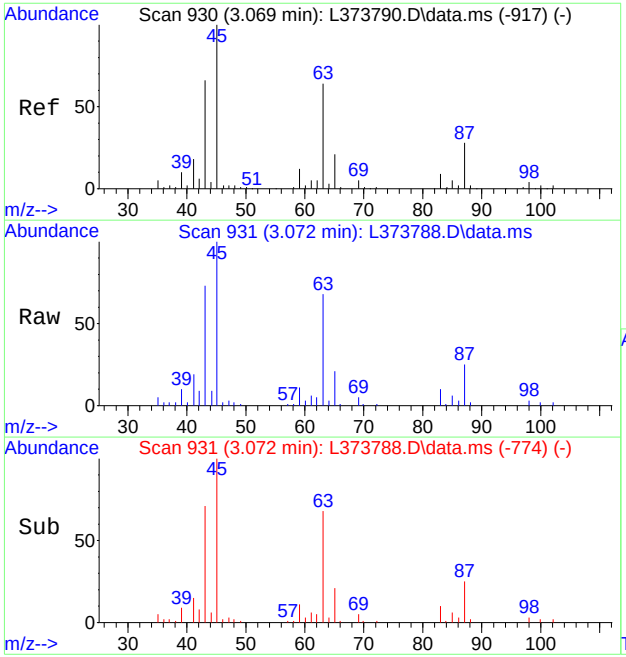


#30
2-butanone
Concen: 34.61 ug/L
RT: 3.415 min Scan# 1038
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 72 Resp: 18555

Ion	Ratio	Lower	Upper
72	100		
43	452.5	411.9	471.9
57	36.1	2.4	62.4

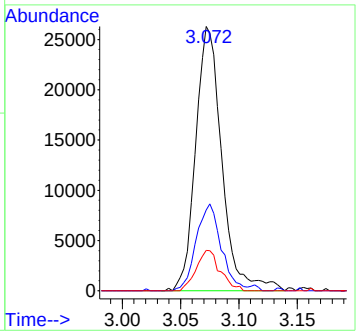


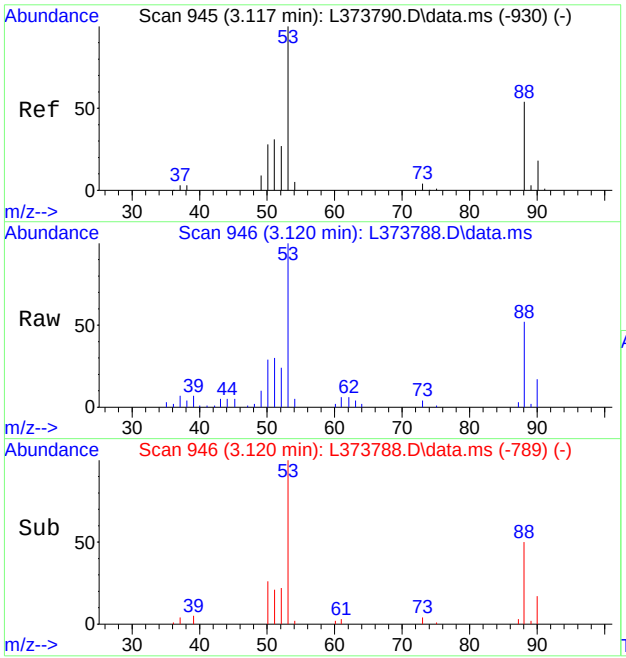


#31
1,1-dichloroethane
Concen: 8.53 ug/L
RT: 3.072 min Scan# 931
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 63 Resp: 41203

Ion	Ratio	Lower	Upper
63	100		
65	30.6	2.5	62.5
83	15.3	0.0	43.5

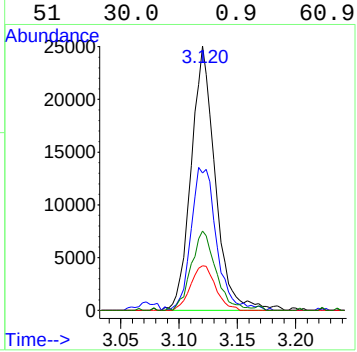


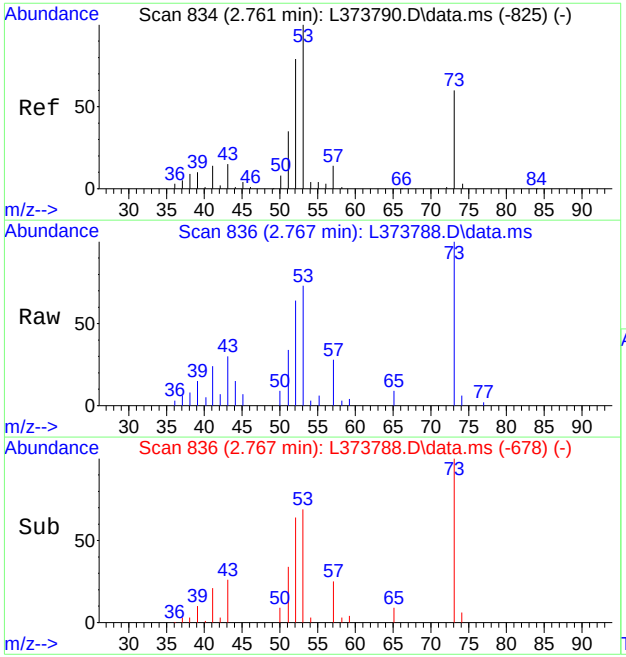


#32
chloroprene
Concen: 9.14 ug/L
RT: 3.120 min Scan# 946
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 53 Resp: 36158

Ion	Ratio	Lower	Upper
53	100		
88	51.9	26.2	86.2
90	16.9	0.0	47.9
51	30.0	0.9	60.9

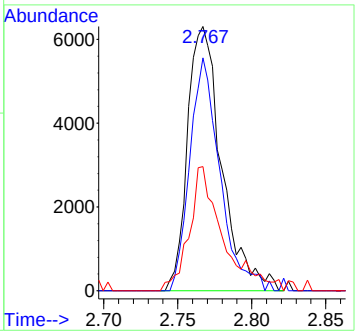


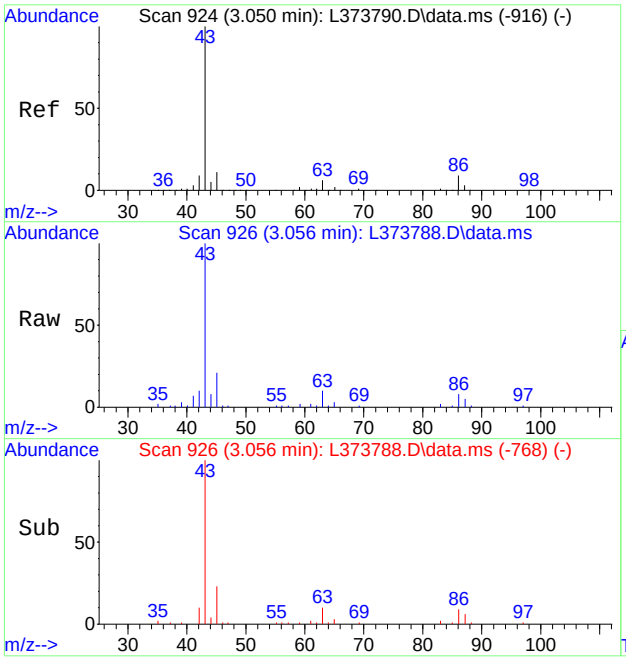


#33
acrylonitrile
Concen: 7.54 ug/L
RT: 2.767 min Scan# 836
Delta R.T. 0.006 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 53 Resp: 10107

Ion	Ratio	Lower	Upper
53	100		
52	88.1	48.8	108.8
51	46.9	4.6	64.6

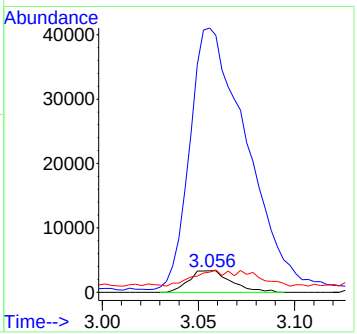


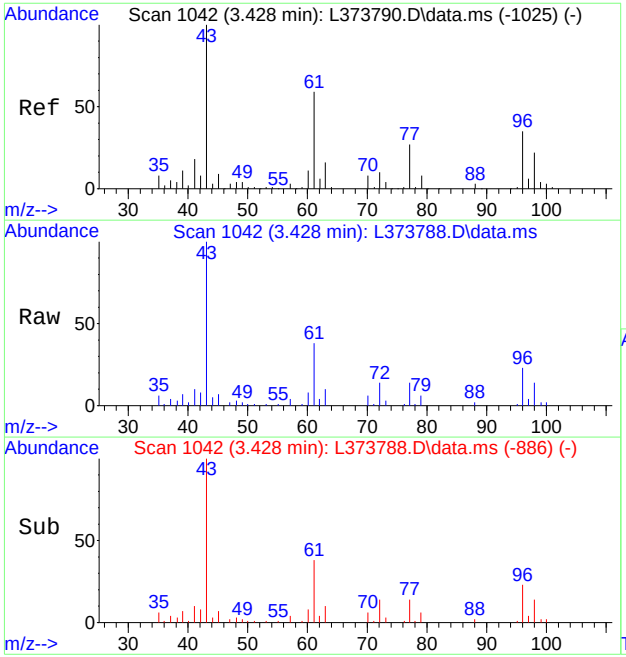


#34
vinyl acetate
Concen: 8.43 ug/L
RT: 3.056 min Scan# 926
Delta R.T. 0.006 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 86 Resp: 5180

Ion	Ratio	Lower	Upper
86	100		
43	1199.9	1076.3	1136.3#
44	59.9	23.6	83.6

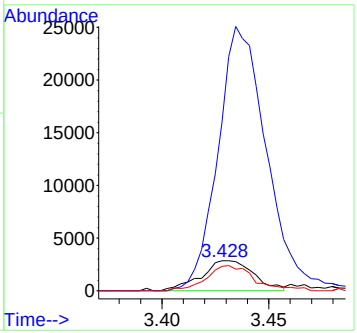


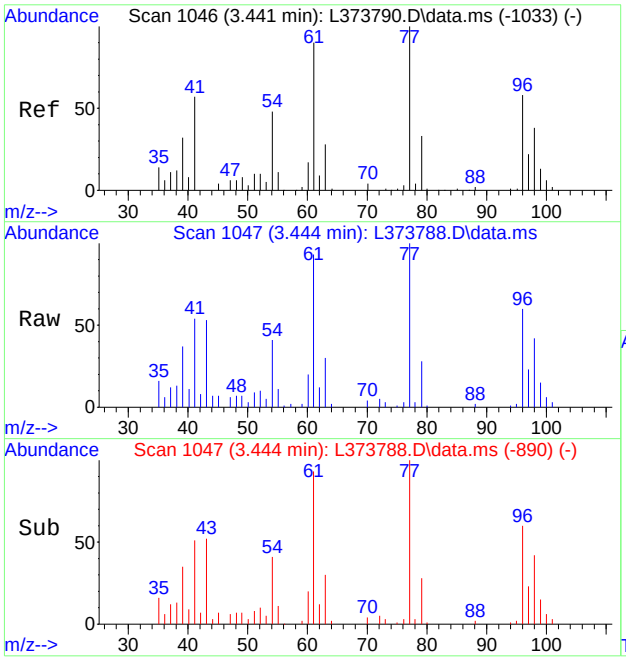


#35
ethyl acetate
Concen: 6.70 ug/L
RT: 3.428 min Scan# 1042
Delta R.T. -0.000 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 45 Resp: 4888

Ion	Ratio	Lower	Upper
45	100		
61	561.1	598.6	658.6#
70	81.1	53.6	113.6

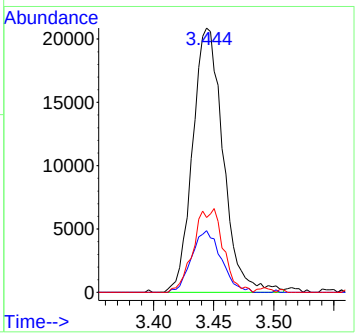


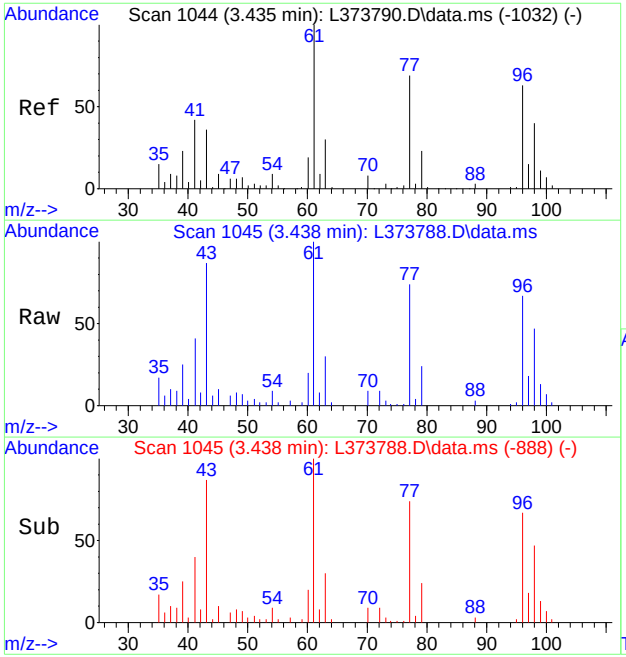


#36
2,2-dichloropropane
Concen: 8.38 ug/L
RT: 3.444 min Scan# 1047
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 77 Resp: 36874

Ion	Ratio	Lower	Upper
77	100		
97	23.3	0.0	52.3
79	28.3	3.0	63.0

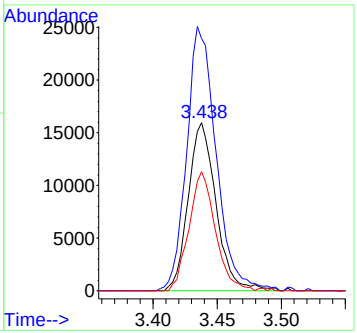


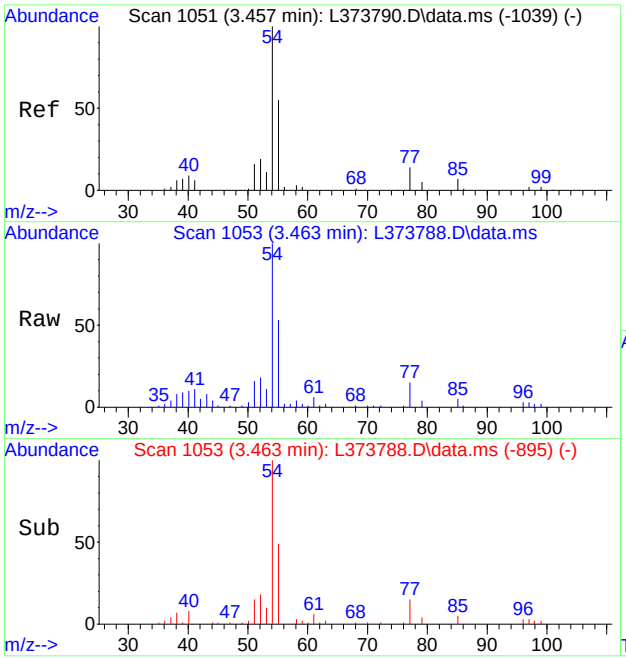


#37
cis-1,2-dichloroethene
Concen: 8.53 ug/L
RT: 3.438 min Scan# 1045
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 96 Resp: 24154

Ion	Ratio	Lower	Upper
96	100		
61	149.9	128.7	188.7
98	70.8	34.1	94.1

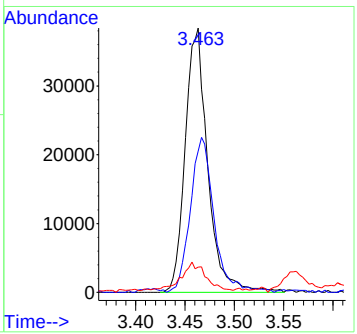


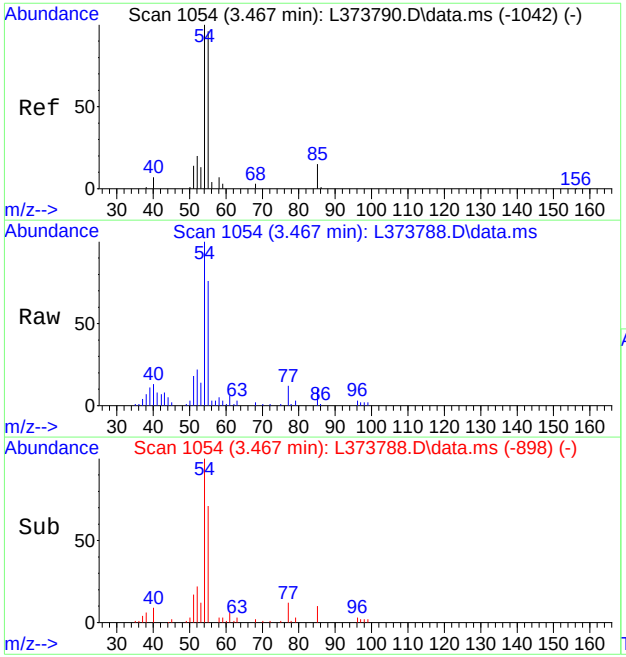


#38
propionitrile
Concen: 78.56 ug/L
RT: 3.463 min Scan# 1053
Delta R.T. 0.006 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 54 Resp: 61112

Ion	Ratio	Lower	Upper
54	100		
55	52.8	25.4	85.4
40	8.1	0.0	39.0

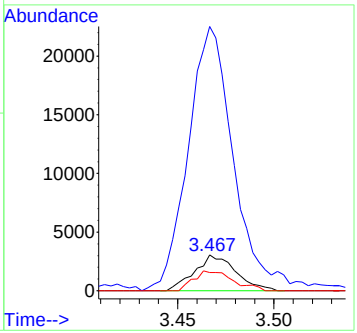


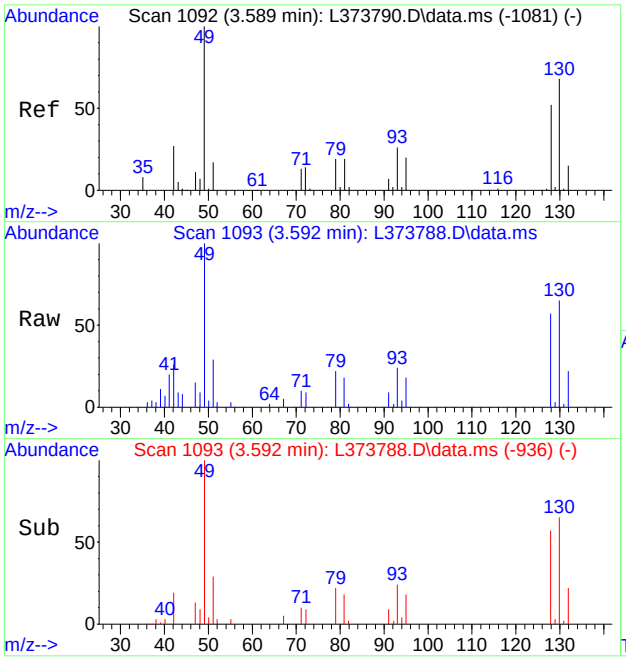


#39
methyl acrylate
Concen: 7.97 ug/L
RT: 3.467 min Scan# 1054
Delta R.T. -0.000 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 85 Resp: 4560

Ion	Ratio	Lower	Upper
85	100		
55	712.0	639.4	679.4#
58	51.0	29.8	69.8

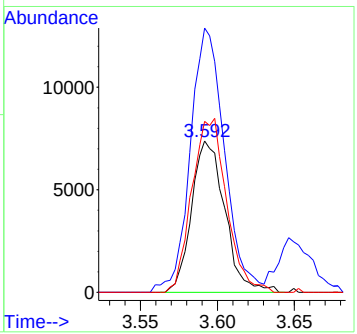


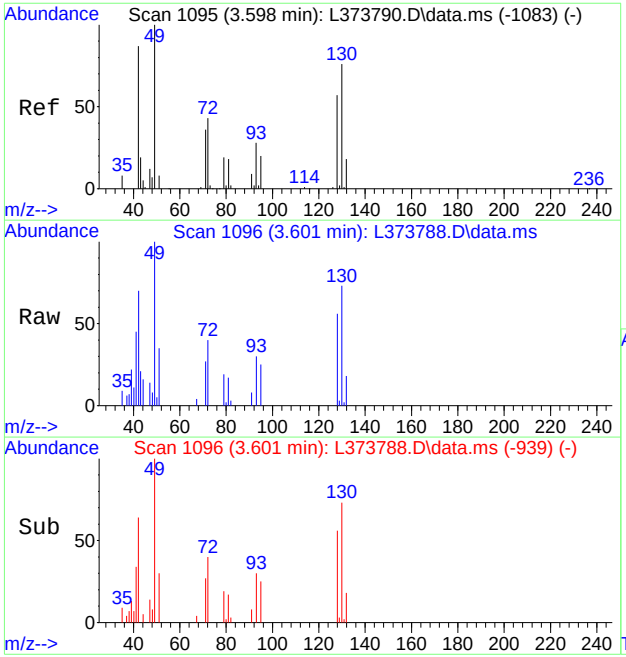


#40
bromochloromethane
Concen: 8.86 ug/L
RT: 3.592 min Scan# 1093
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion:128 Resp: 11101

Ion	Ratio	Lower	Upper
128	100		
49	169.9	163.3	223.3
130	113.0	100.3	160.3

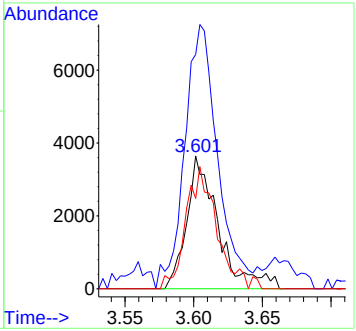


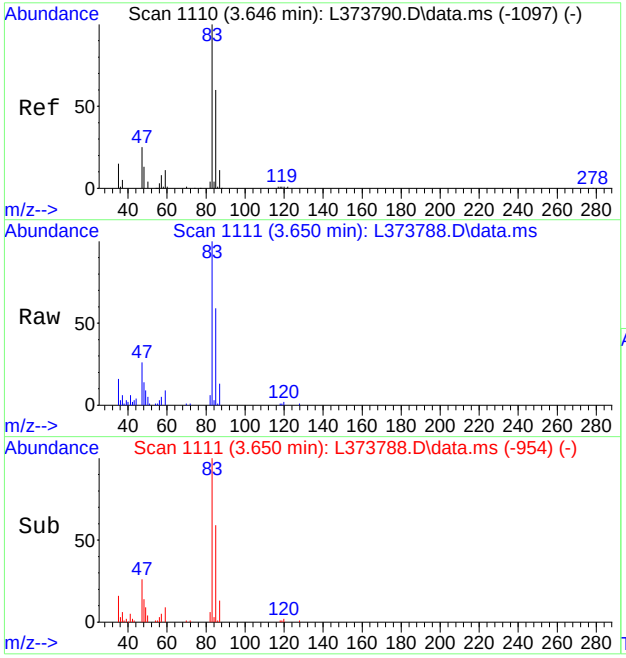


#41
tetrahydrofuran
Concen: 8.37 ug/L
RT: 3.601 min Scan# 1096
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 72 Resp: 5831

Ion	Ratio	Lower	Upper
72	100		
42	157.7	183.3	243.3#
71	68.0	53.5	113.5

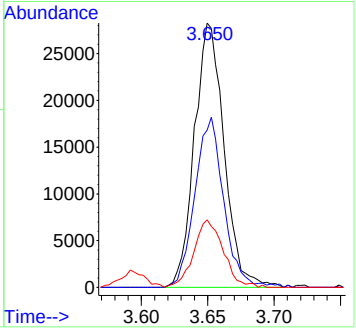


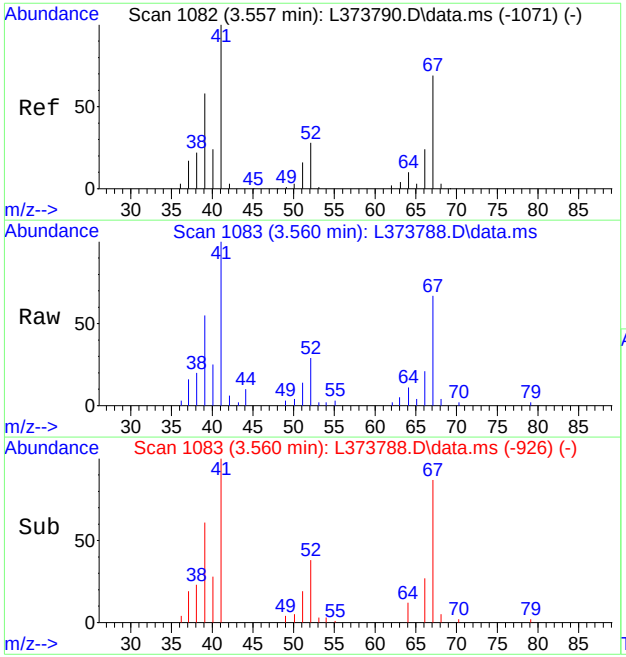


#42
chloroform
Concen: 7.67 ug/L
RT: 3.650 min Scan# 1111
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 83 Resp: 43994

Ion	Ratio	Lower	Upper
83	100		
85	59.4	29.7	89.7
47	25.6	0.0	54.6

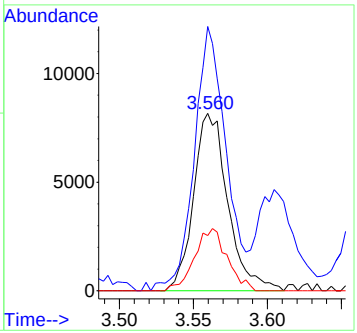


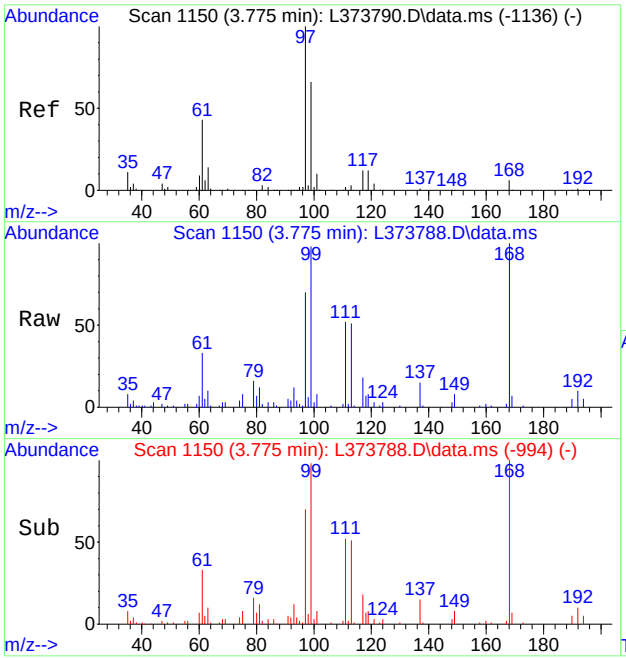


#44
methacrylonitrile
Concen: 8.15 ug/L
RT: 3.560 min Scan# 1083
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 67 Resp: 13142

Ion	Ratio	Lower	Upper
67	100		
41	144.6	115.3	175.3
66	31.2	4.3	64.3

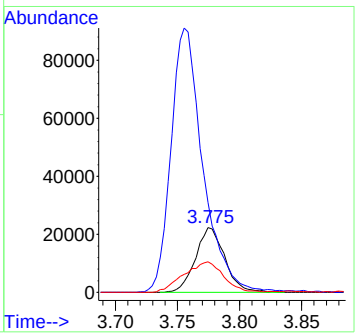


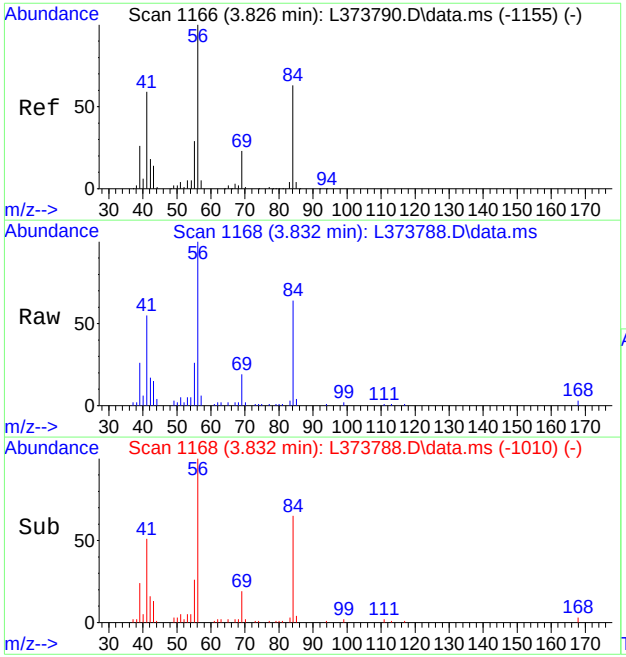


#45
1,1,1-trichloroethane
Concen: 8.68 ug/L
RT: 3.775 min Scan# 1150
Delta R.T. -0.000 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 97 Resp: 36647

Ion	Ratio	Lower	Upper
97	100		
99	136.6	41.0	101.0#
61	45.6	12.9	72.9

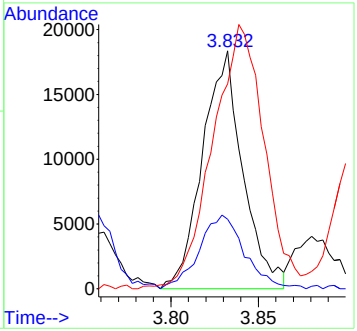


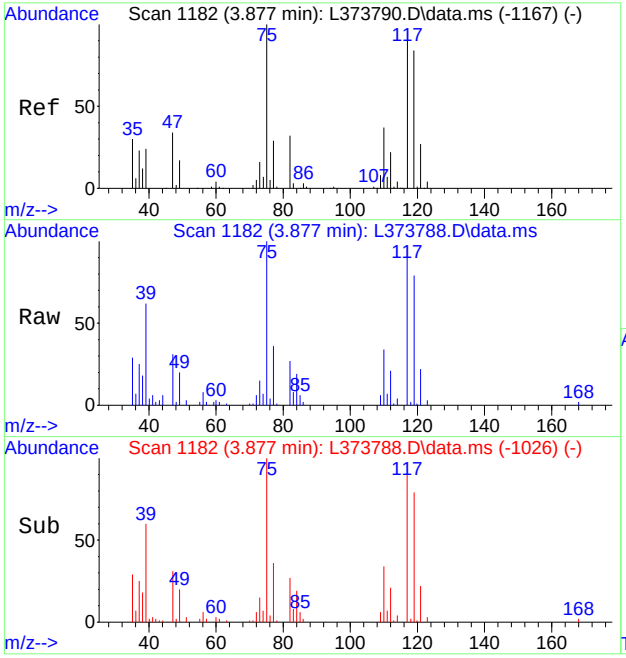


#46
cyclohexane
Concen: 8.59 ug/L
RT: 3.832 min Scan# 1168
Delta R.T. 0.006 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 84 Resp: 29530

Ion	Ratio	Lower	Upper
84	100		
69	29.3	16.2	56.2
41	84.4	73.6	113.6

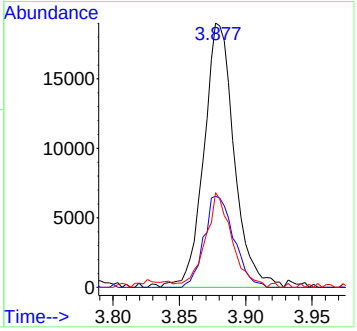


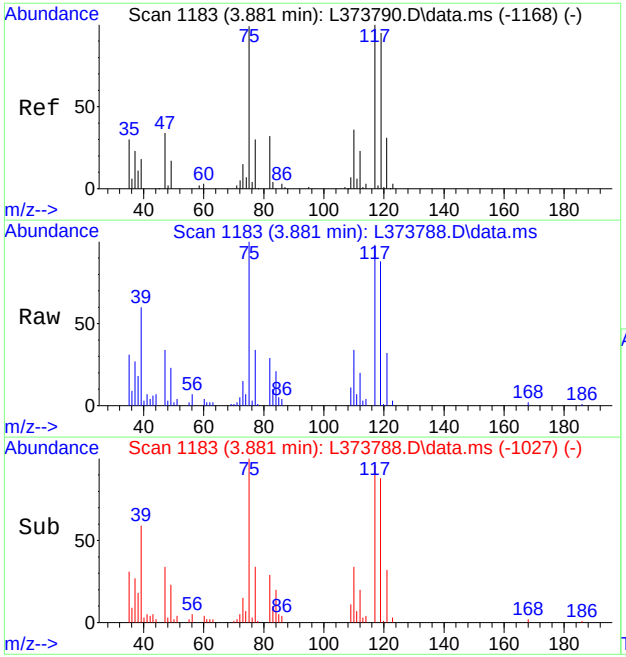


#47
1,1-dichloropropene
Concen: 9.17 ug/L
RT: 3.877 min Scan# 1182
Delta R.T. -0.000 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 75 Resp: 30156

Ion	Ratio	Lower	Upper
75	100		
110	34.5	17.0	57.0
77	35.8	10.2	50.2

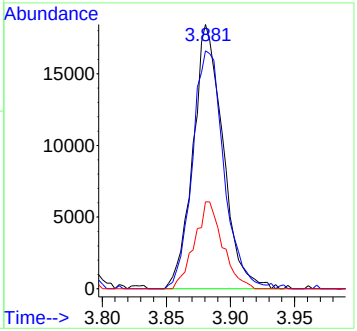


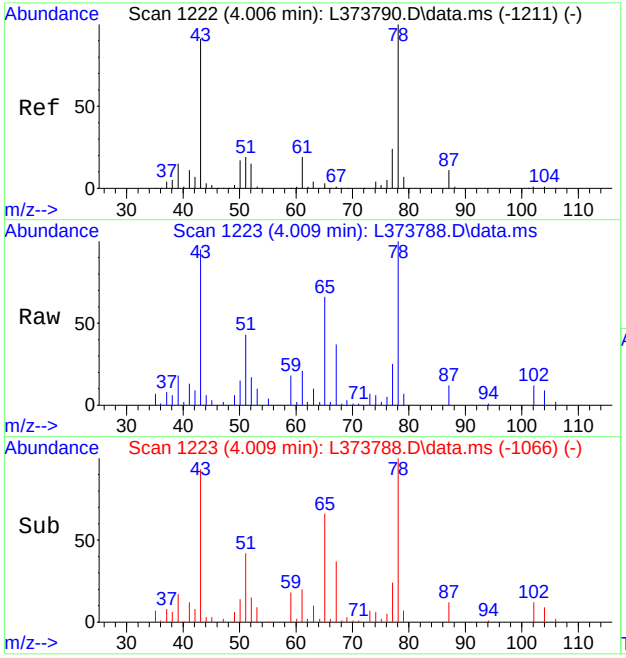


#48
carbon tetrachloride
Concen: 8.90 ug/L
RT: 3.881 min Scan# 1183
Delta R.T. -0.000 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion:117 Resp: 30032

Ion	Ratio	Lower	Upper
117	100		
119	89.9	74.4	114.4
121	32.9	10.8	50.8

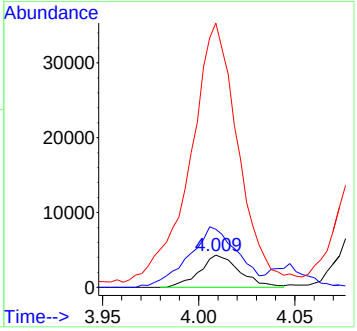


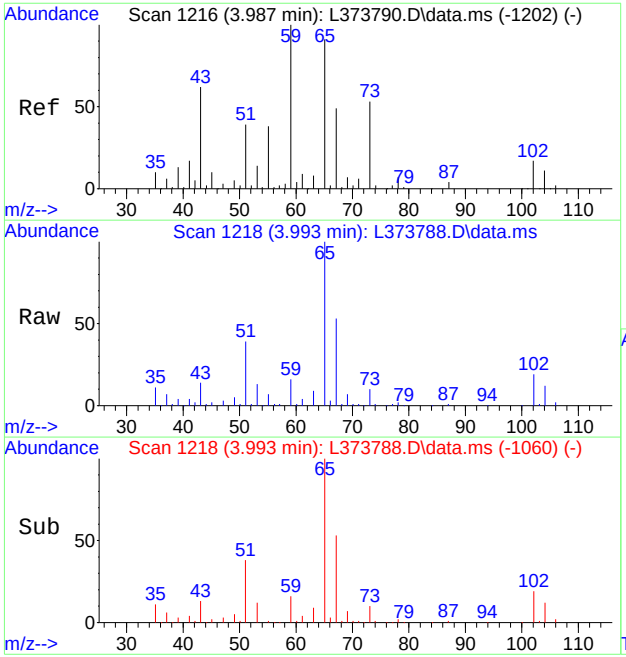


#49
isopropyl acetate
Concen: 8.32 ug/L
RT: 4.009 min Scan# 1223
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 87 Resp: 6285

Ion	Ratio	Lower	Upper
87	100		
61	156.6	152.1	192.1
43	784.1	844.1	904.1#

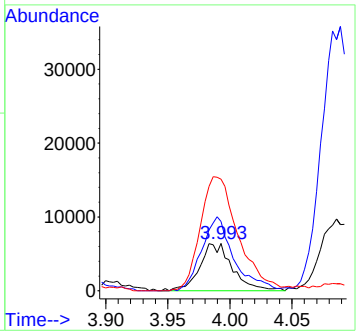


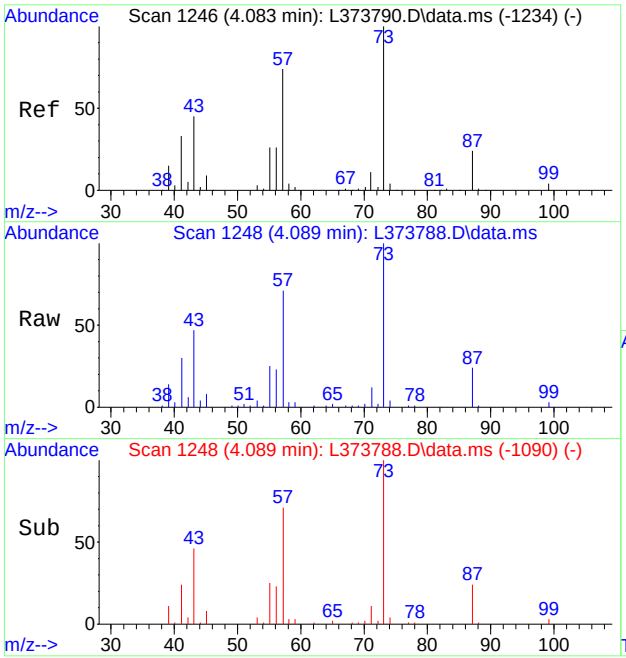


#50
tert amyl alcohol
Concen: 35.41 ug/L
RT: 3.993 min Scan# 1218
Delta R.T. 0.006 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 55 Resp: 11737

Ion	Ratio	Lower	Upper
55	100		
73	146.5	119.2	159.2
59	235.7	242.0	282.0#

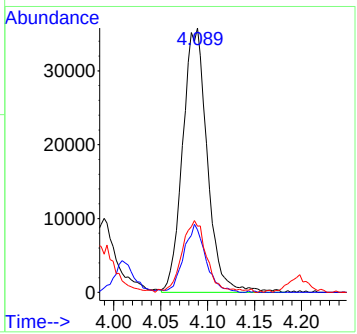


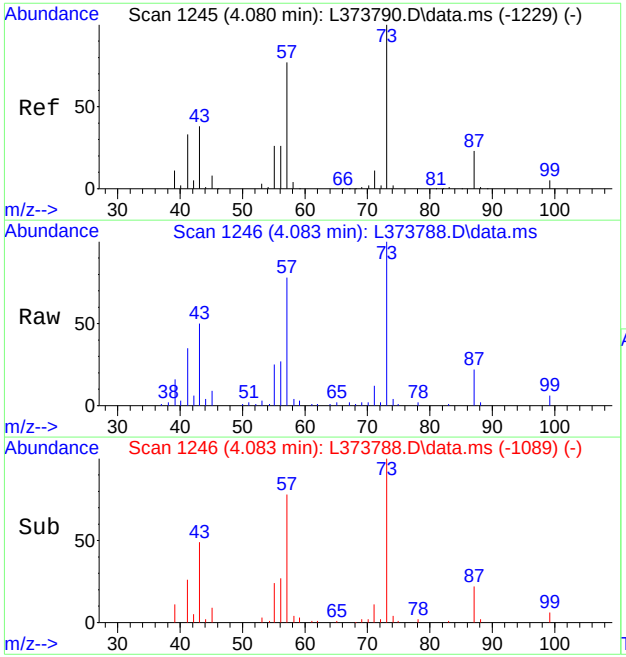


#53
tert-amyl methyl ether
Concen: 8.36 ug/L
RT: 4.089 min Scan# 1248
Delta R.T. 0.006 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 73 Resp: 65475

Ion	Ratio	Lower	Upper
73	100		
87	23.7	4.6	44.6
55	24.1	5.7	45.7

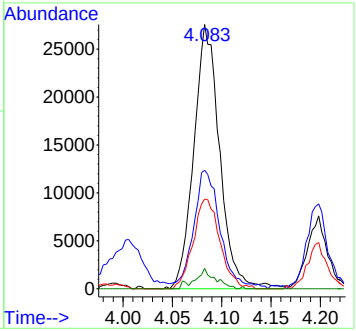


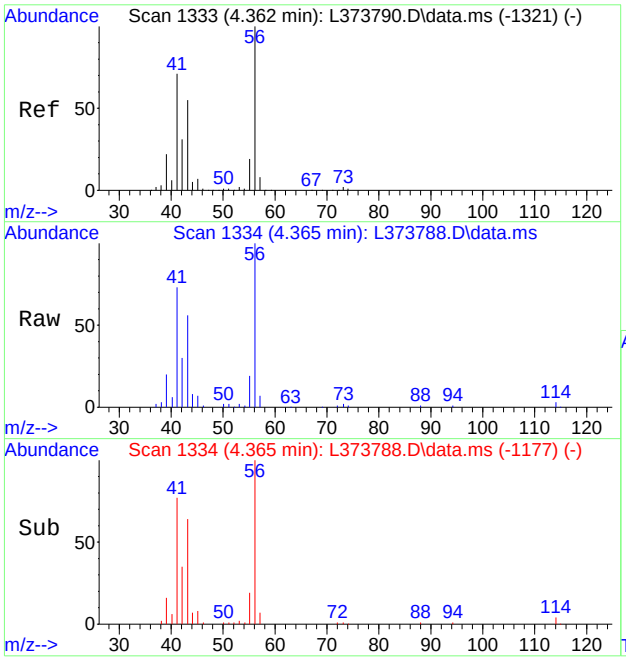


#54
2,2,4-trimethylpentane
Concen: 8.72 ug/L
RT: 4.083 min Scan# 1246
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 57 Resp: 50200

Ion	Ratio	Lower	Upper
57	100		
41	43.6	25.1	65.1
56	34.0	13.8	53.8
99	7.7	0.0	25.9

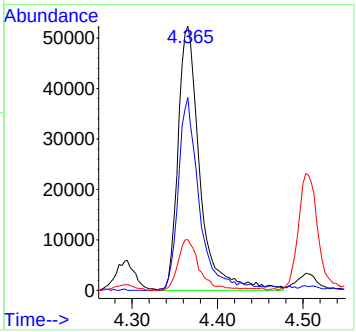


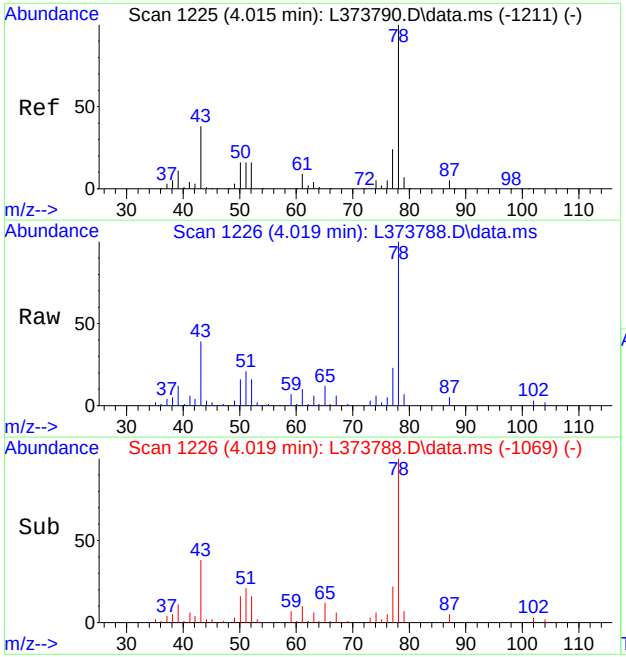


#55
n-butyl alcohol
Concen: 374.01 ug/L
RT: 4.365 min Scan# 1334
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 56 Resp: 93144

Ion	Ratio	Lower	Upper
56	100		
41	72.2	40.6	100.6
55	19.2	0.0	49.1

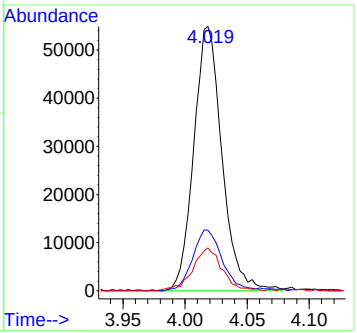


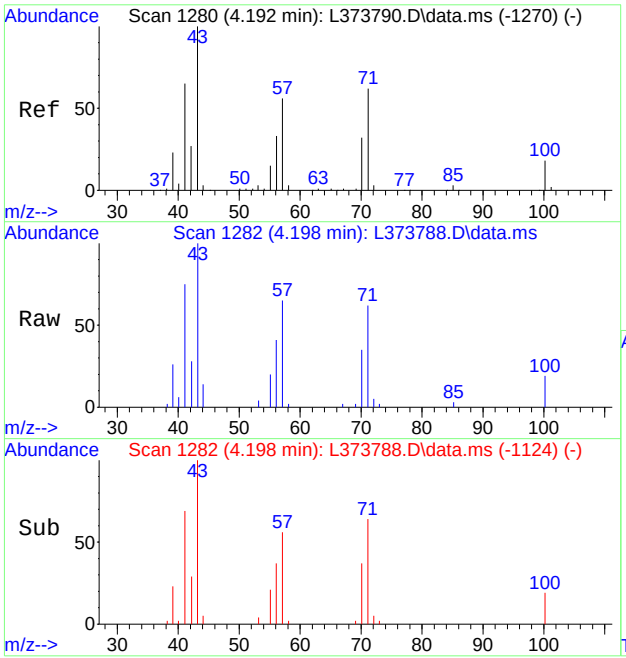


#56
benzene
Concen: 8.08 ug/L
RT: 4.019 min Scan# 1226
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 78 Resp: 86853

Ion	Ratio	Lower	Upper
78	100		
77	22.9	0.0	53.5
52	15.7	0.0	46.2

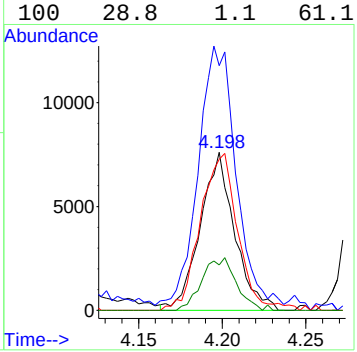


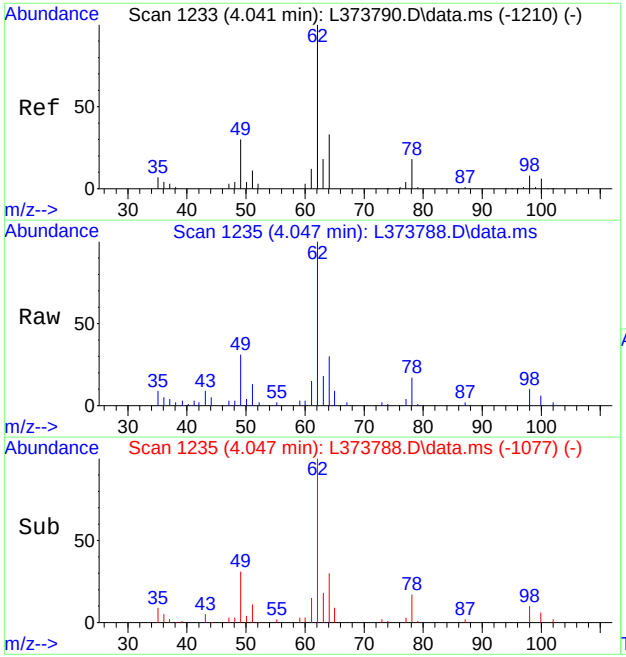


#57
heptane
Concen: 9.04 ug/L
RT: 4.198 min Scan# 1282
Delta R.T. 0.006 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 57 Resp: 10864

Ion	Ratio	Lower	Upper
57	100		
43	151.1	146.8	206.8
71	95.6	78.5	138.5
100	28.8	1.1	61.1

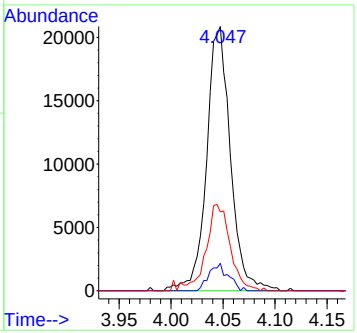


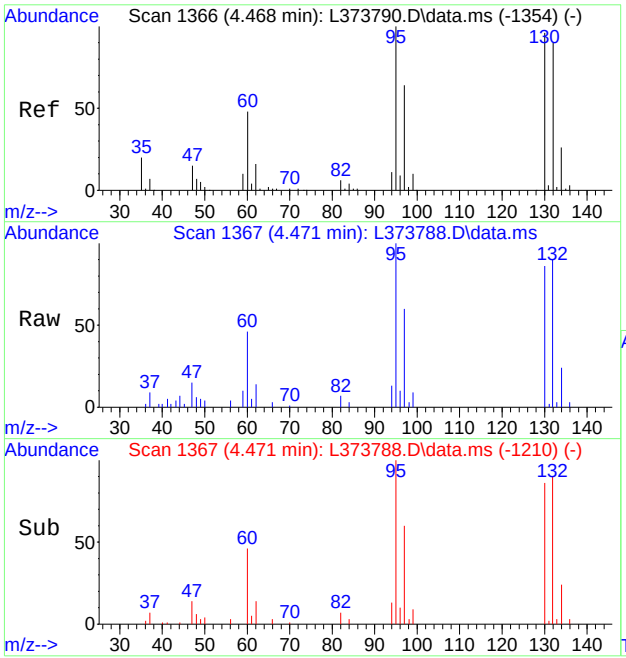


#58
1,2-dichloroethane
Concen: 8.08 ug/L
RT: 4.047 min Scan# 1235
Delta R.T. 0.006 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 62 Resp: 33230

Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	38.1
64	29.8	2.8	62.8

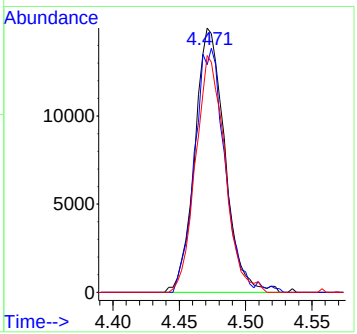


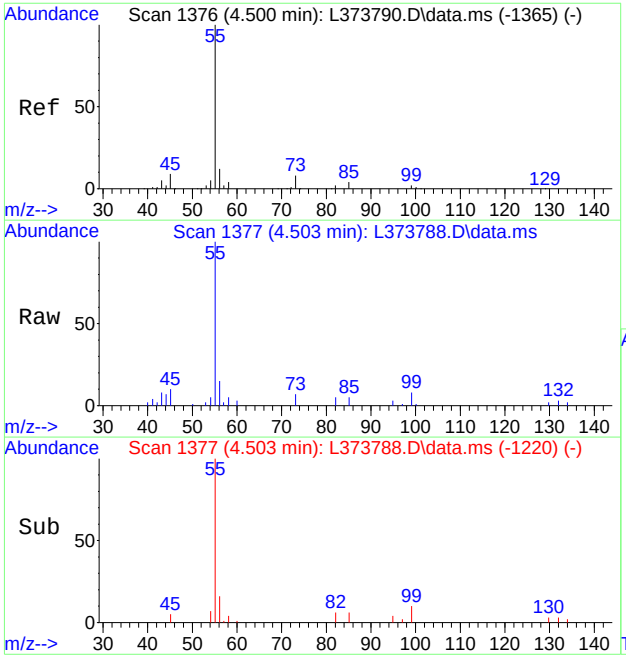


#59
trichloroethene
Concen: 9.08 ug/L
RT: 4.471 min Scan# 1367
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 95 Resp: 23523

Ion	Ratio	Lower	Upper
95	100		
130	86.1	65.5	125.5
132	89.6	59.7	119.7

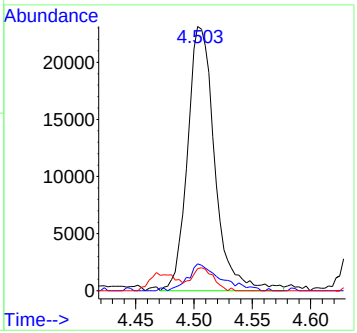


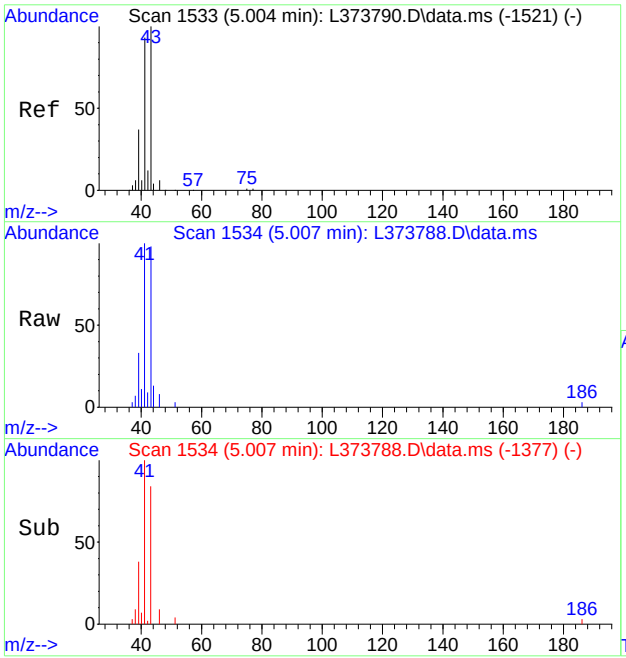


#60
ethyl acrylate
Concen: 7.62 ug/L
RT: 4.503 min Scan# 1377
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 55 Resp: 37628

Ion	Ratio	Lower	Upper
55	100		
45	10.2	0.0	28.6
99	8.4	0.0	27.8

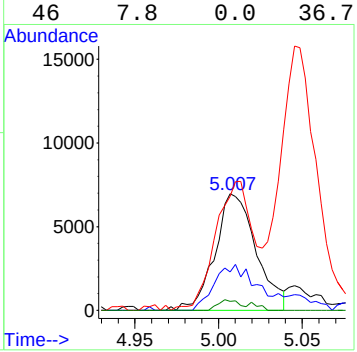


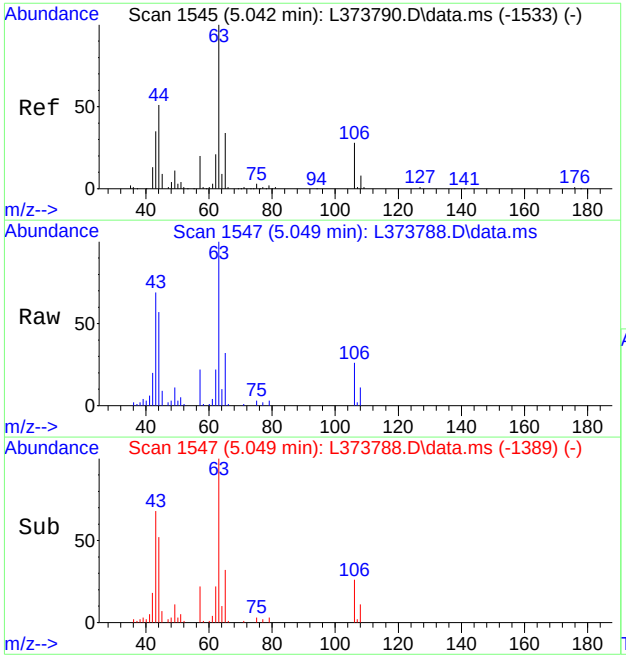


#61
2-nitropropane
Concen: 8.45 ug/L
RT: 5.007 min Scan# 1534
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 41 Resp: 11975

Ion	Ratio	Lower	Upper
41	100		
39	32.9	10.0	70.0
43	97.9	77.9	137.9
46	7.8	0.0	36.7

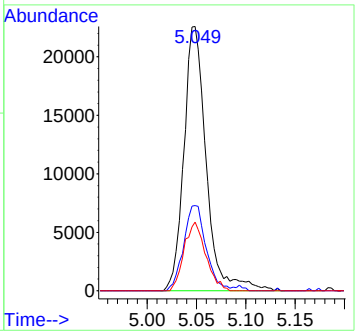


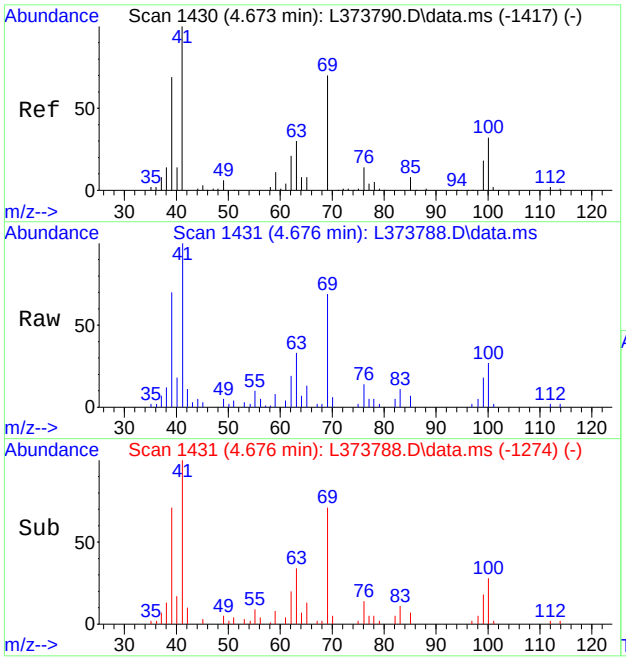


#62
2-chloroethyl vinyl ether
Concen: 38.94 ug/L
RT: 5.049 min Scan# 1547
Delta R.T. 0.006 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 63 Resp: 35697

Ion	Ratio	Lower	Upper
63	100		
65	32.2	3.9	63.9
106	26.0	0.0	57.6

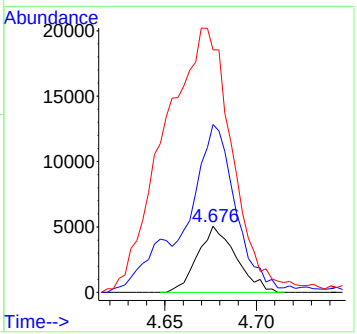


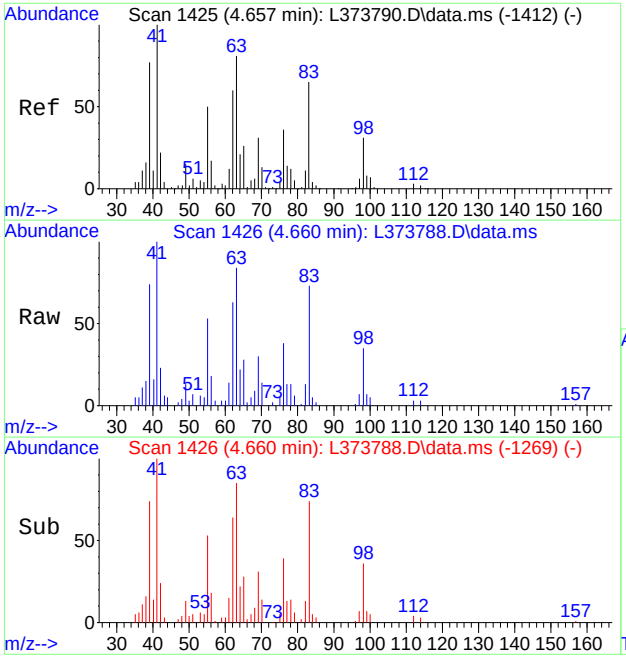


#63
methyl methacrylate
Concen: 8.43 ug/L
RT: 4.676 min Scan# 1431
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion:100 Resp: 7380

Ion	Ratio	Lower	Upper
100	100		
69	246.5	221.2	281.2
41	351.0	360.4	420.4#

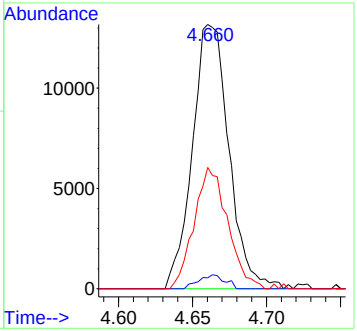


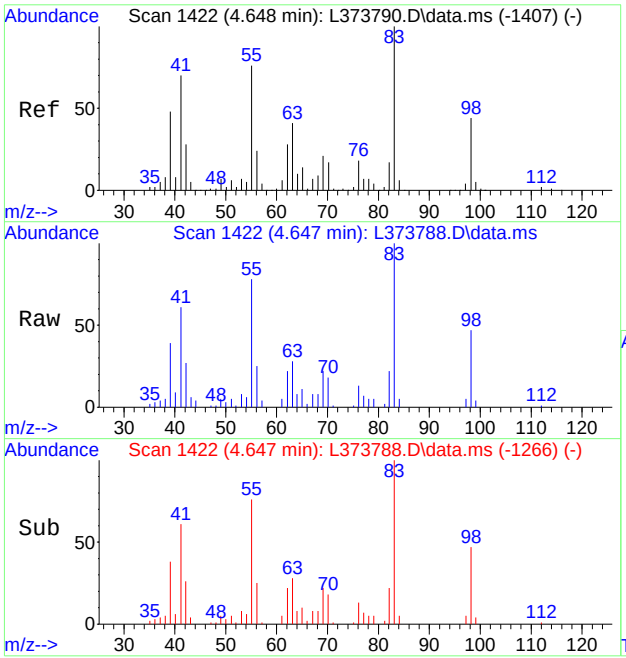


#64
1,2-dichloropropane
Concen: 8.35 ug/L
RT: 4.660 min Scan# 1426
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 63 Resp: 22648

Ion	Ratio	Lower	Upper
63	100		
112	4.1	0.0	34.1
76	45.9	14.3	74.3

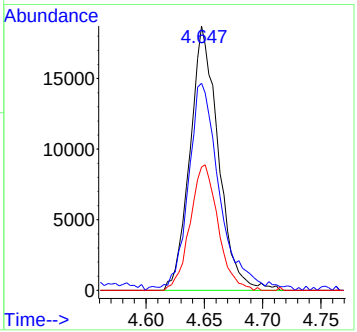


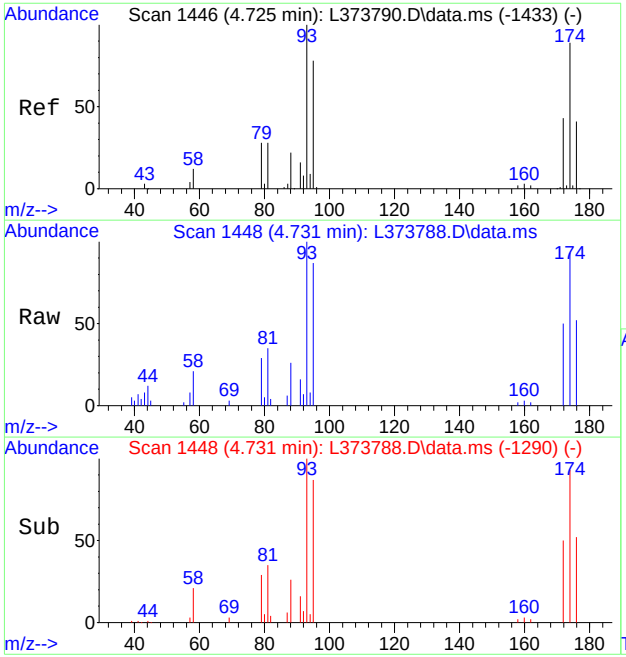


#65
methylcyclohexane
Concen: 9.02 ug/L
RT: 4.647 min Scan# 1422
Delta R.T. -0.000 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 83 Resp: 31653

Ion	Ratio	Lower	Upper
83	100		
55	77.1	46.3	106.3
98	46.7	13.7	73.7

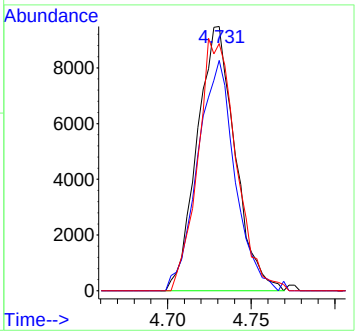


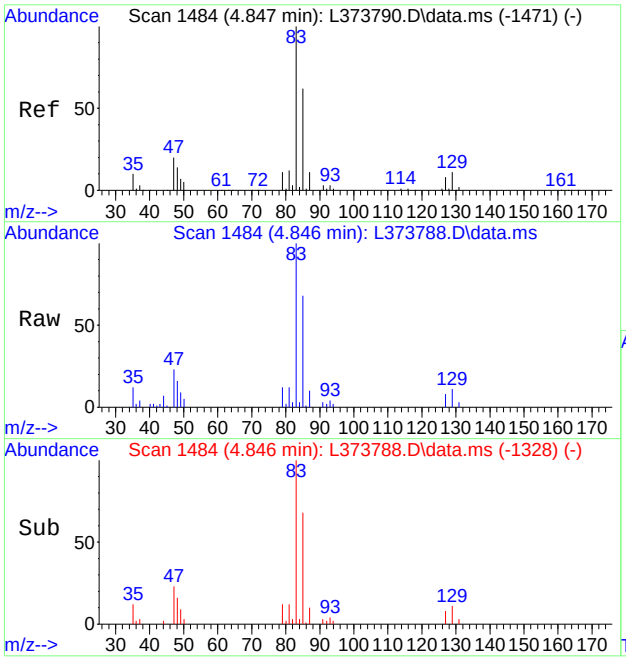


#66
dibromomethane
Concen: 7.80 ug/L
RT: 4.731 min Scan# 1448
Delta R.T. 0.006 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 93 Resp: 14949

Ion	Ratio	Lower	Upper
93	100		
95	87.1	48.3	108.3
174	93.5	59.2	119.2

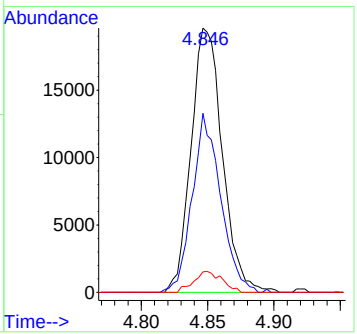


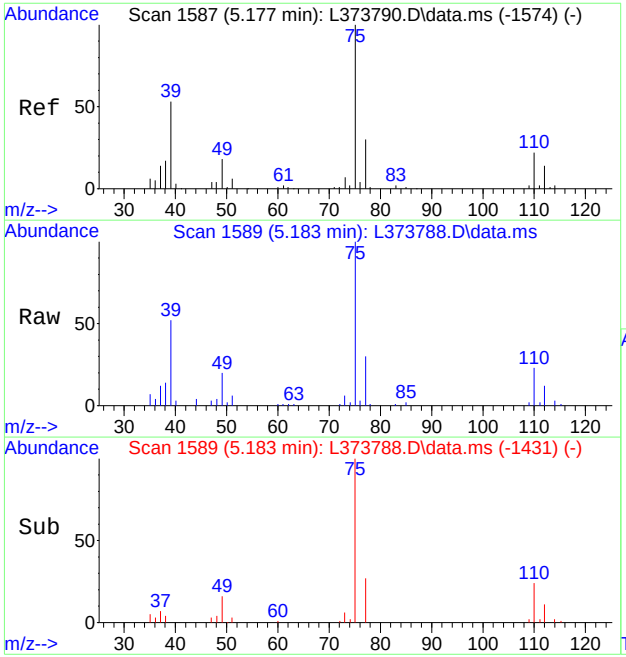


#67
bromodichloromethane
Concen: 8.28 ug/L
RT: 4.846 min Scan# 1484
Delta R.T. -0.000 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 83 Resp: 32224

Ion	Ratio	Lower	Upper
83	100		
85	67.7	31.5	91.5
127	7.8	0.0	38.3

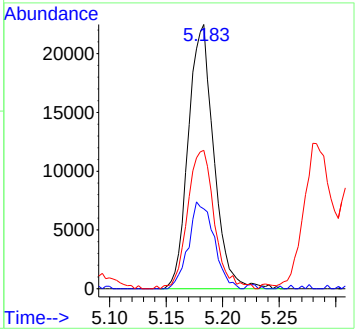


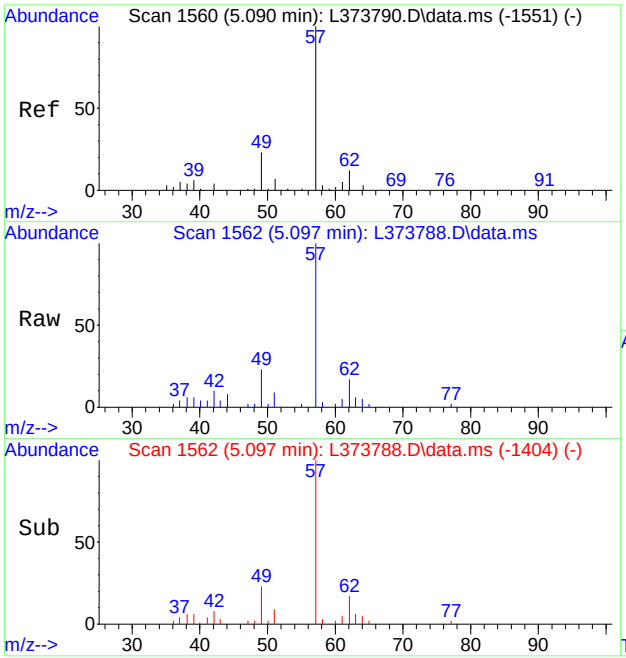


#68
cis-1,3-dichloropropene
Concen: 8.16 ug/L
RT: 5.183 min Scan# 1589
Delta R.T. 0.006 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 75 Resp: 35266

Ion	Ratio	Lower	Upper
75	100		
77	30.2	0.1	60.1
39	52.4	23.1	83.1

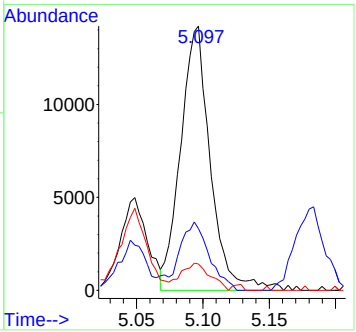


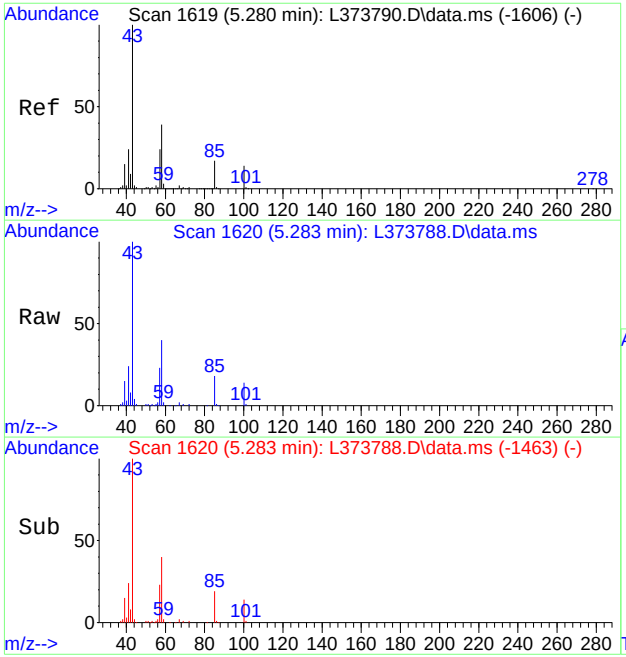


#69
epichlorohydrin
Concen: 38.75 ug/L
RT: 5.097 min Scan# 1562
Delta R.T. 0.006 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 57 Resp: 22193

Ion	Ratio	Lower	Upper
57	100		
49	19.3	1.0	41.0
42	10.0	0.0	29.5

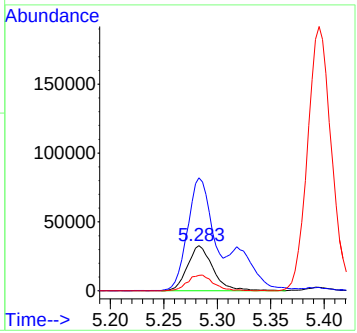


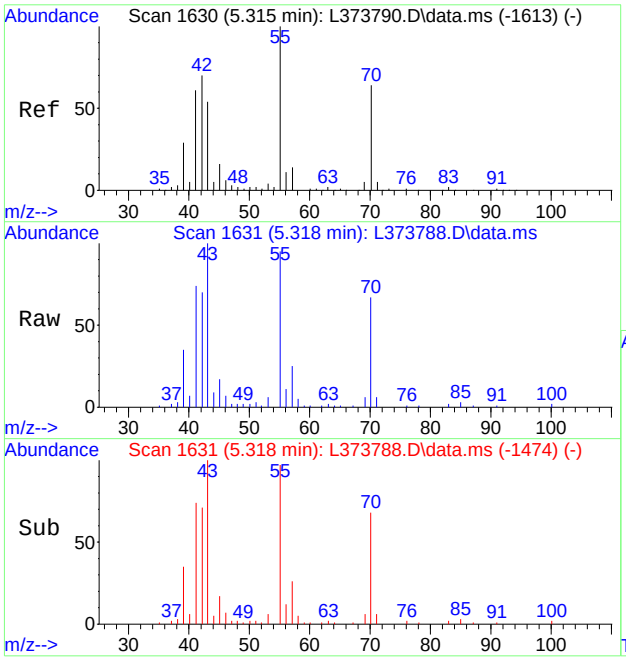


#70
4-methyl-2-pentanone
Concen: 30.76 ug/L
RT: 5.283 min Scan# 1620
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 58 Resp: 54358

Ion	Ratio	Lower	Upper
58	100		
43	249.3	233.3	273.3
100	34.6	15.2	55.2

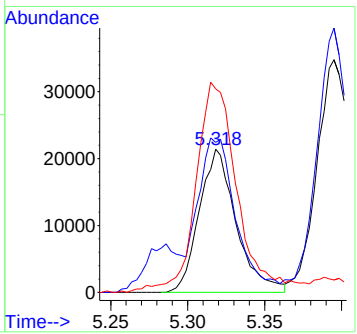


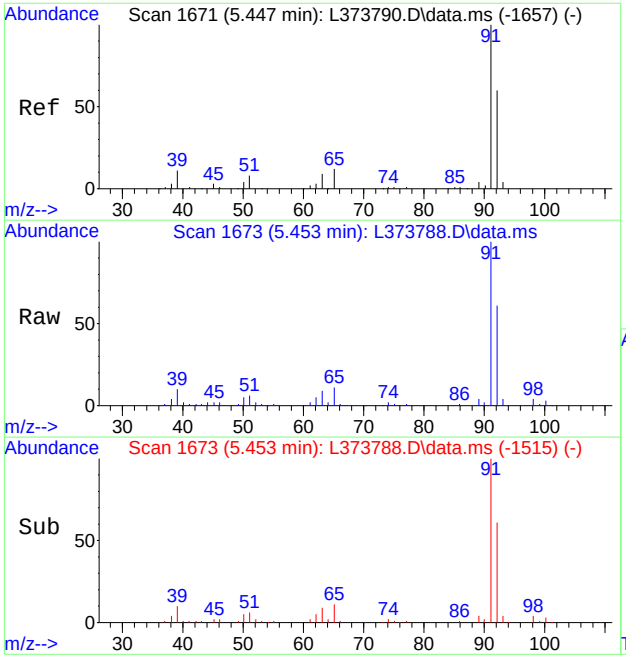


#71
3-methyl-1-butanol
Concen: 153.24 ug/L
RT: 5.318 min Scan# 1631
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 70 Resp: 35800

Ion	Ratio	Lower	Upper
70	100		
42	95.6	94.2	134.2
55	136.5	137.5	177.5#

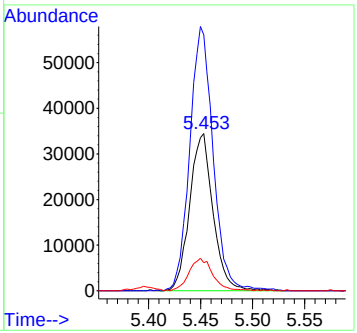


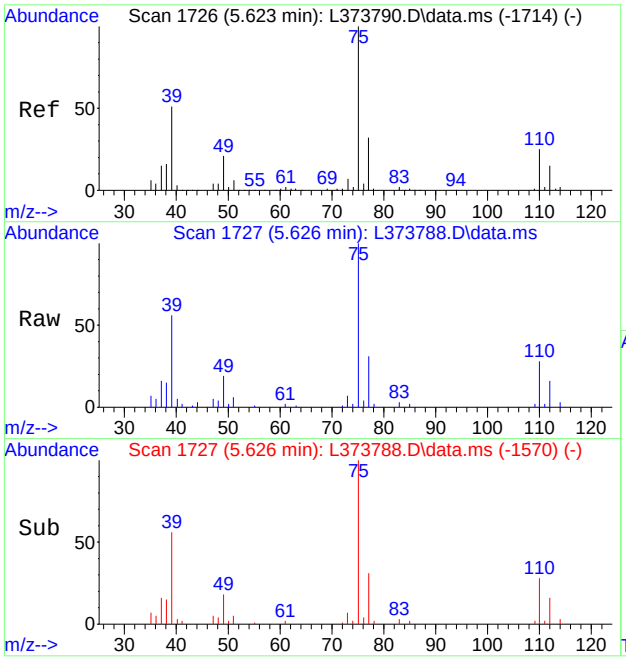


#74
toluene
Concen: 8.13 ug/L
RT: 5.453 min Scan# 1673
Delta R.T. 0.006 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 92 Resp: 54045

Ion	Ratio	Lower	Upper
92	100		
91	162.9	136.7	196.7
65	17.9	0.0	50.8

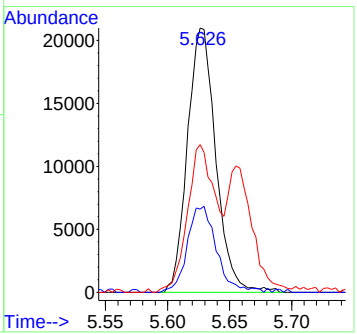


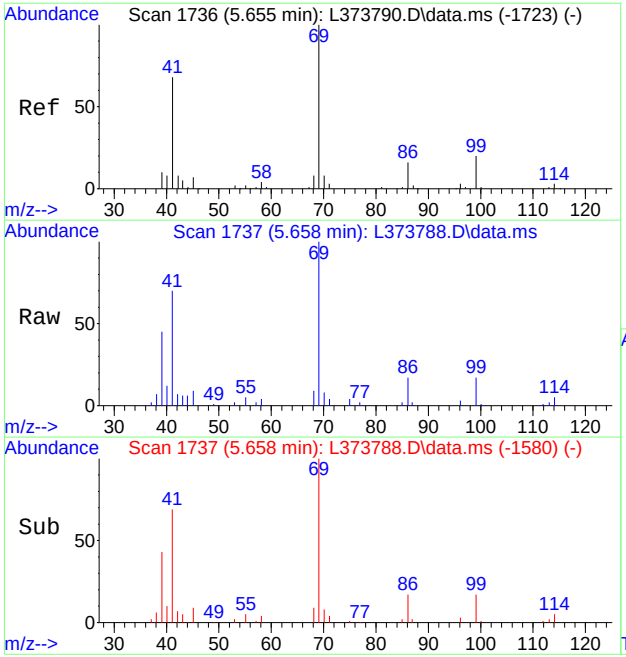


#75
trans-1,3-dichloropropene
Concen: 8.26 ug/L
RT: 5.626 min Scan# 1727
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 75 Resp: 33425

Ion	Ratio	Lower	Upper
75	100		
77	31.5	1.7	61.7
39	54.5	20.7	80.7

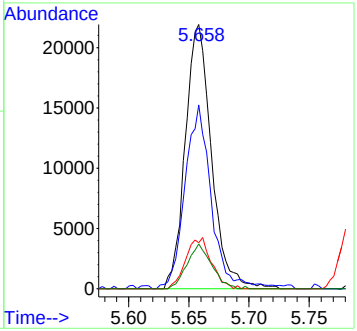


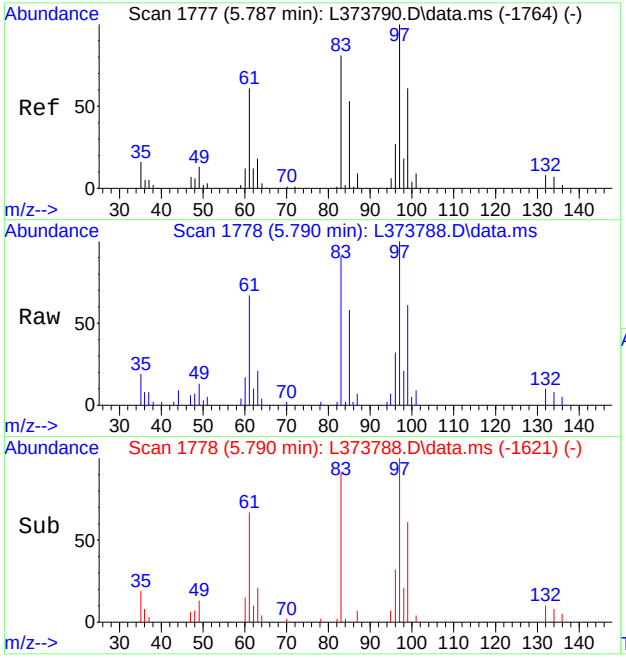


#76
ethyl methacrylate
Concen: 7.76 ug/L
RT: 5.658 min Scan# 1737
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 69 Resp: 33397

Ion	Ratio	Lower	Upper
69	100		
41	68.4	38.9	98.9
99	17.4	0.0	50.4
86	17.0	0.0	45.9

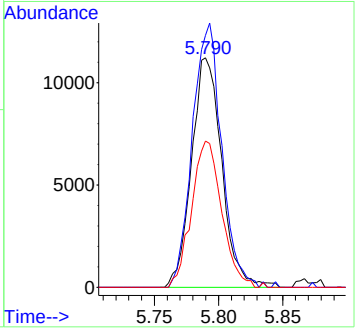


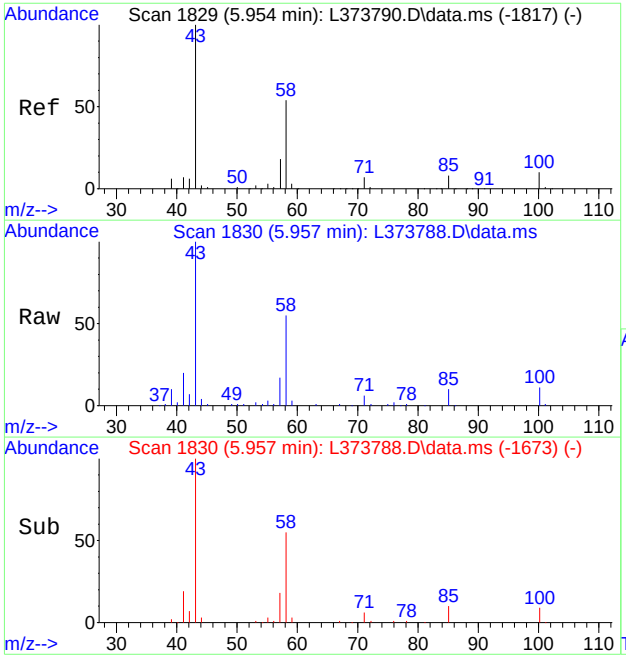


#77
1,1,2-trichloroethane
Concen: 8.50 ug/L
RT: 5.790 min Scan# 1778
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 83 Resp: 18463

Ion	Ratio	Lower	Upper
83	100		
97	109.8	93.6	153.6
85	63.7	35.4	95.4

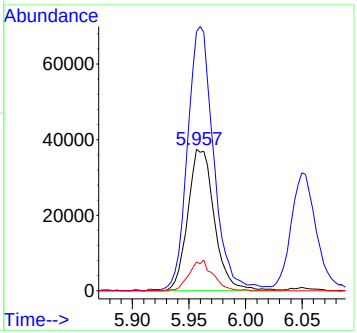


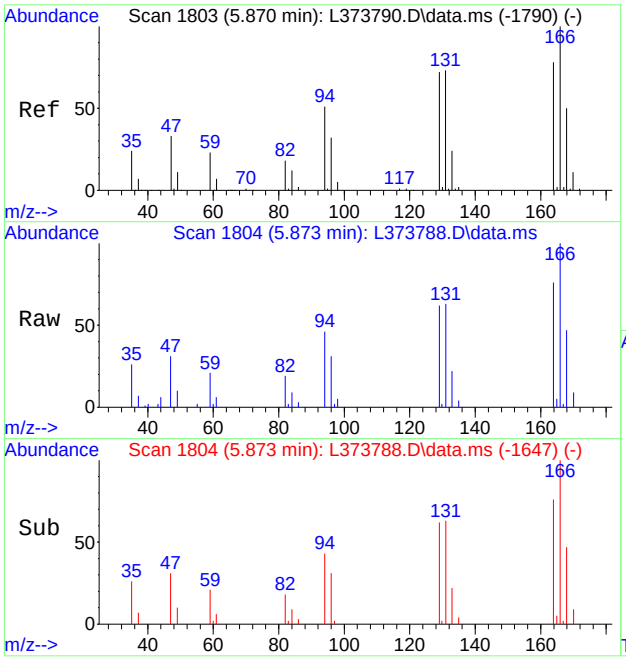


#78
2-hexanone
Concen: 31.42 ug/L
RT: 5.957 min Scan# 1830
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 58 Resp: 61087

Ion	Ratio	Lower	Upper
58	100		
43	182.2	154.6	214.6
100	20.4	0.0	49.0

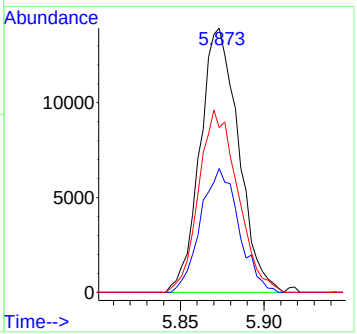


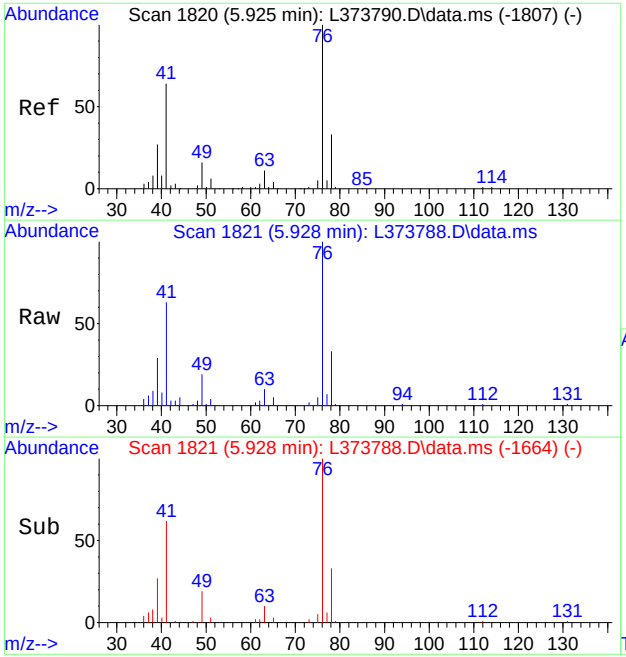


#79
tetrachloroethene
Concen: 8.53 ug/L
RT: 5.873 min Scan# 1804
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion:166 Resp: 22346

Ion	Ratio	Lower	Upper
166	100		
168	46.8	19.7	79.7
129	62.3	42.4	102.4

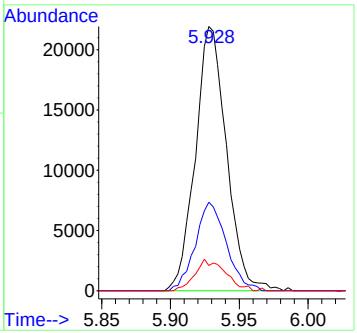


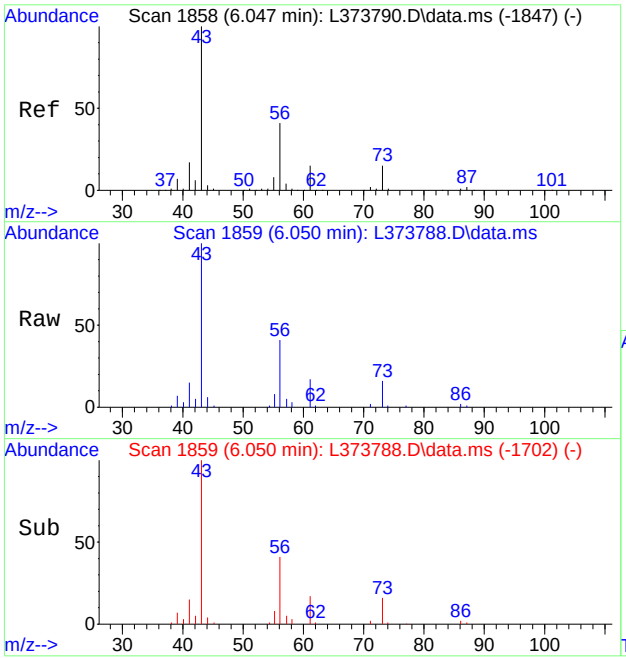


#80
1,3-dichloropropane
Concen: 8.27 ug/L
RT: 5.928 min Scan# 1821
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 76 Resp: 34580

Ion	Ratio	Lower	Upper
76	100		
78	33.5	2.7	62.7
63	9.6	0.0	41.2

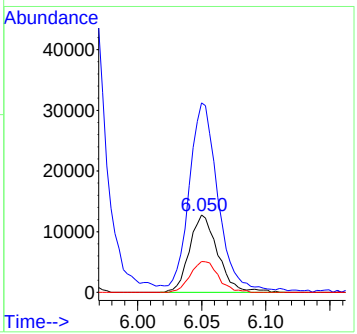


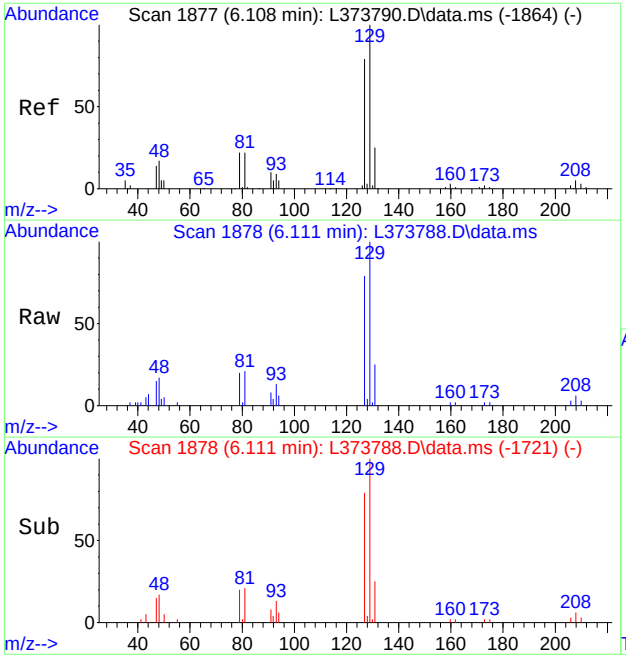


#81
butyl acetate
Concen: 7.61 ug/L
RT: 6.050 min Scan# 1859
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 56 Resp: 19630

Ion	Ratio	Lower	Upper
56	100		
43	241.1	218.3	278.3
73	39.9	7.2	67.2

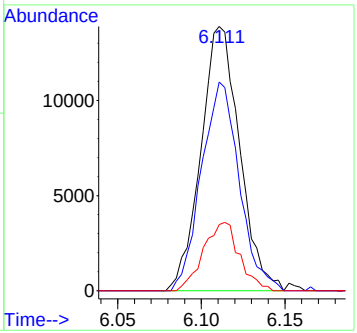


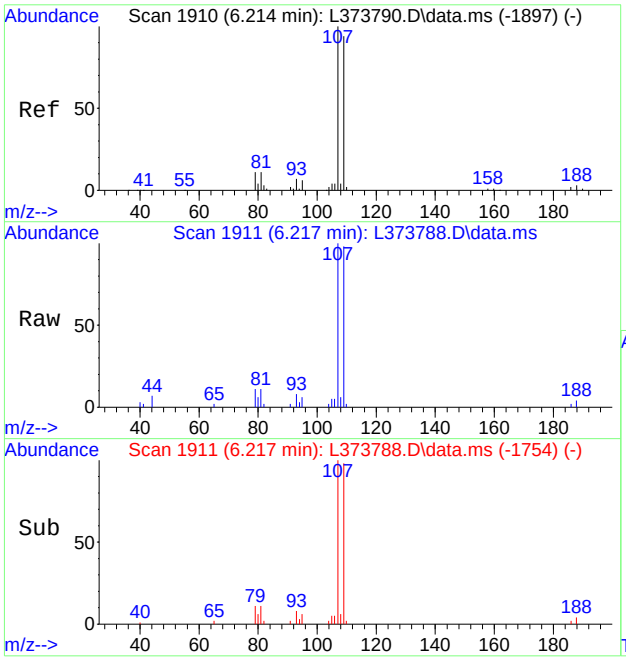


#82
dibromochloromethane
Concen: 7.83 ug/L
RT: 6.111 min Scan# 1878
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion:129 Resp: 22388

Ion	Ratio	Lower	Upper
129	100		
127	79.0	49.0	109.0
131	25.0	0.0	54.6

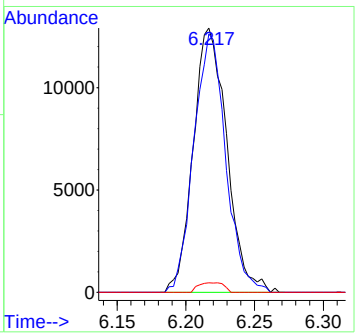


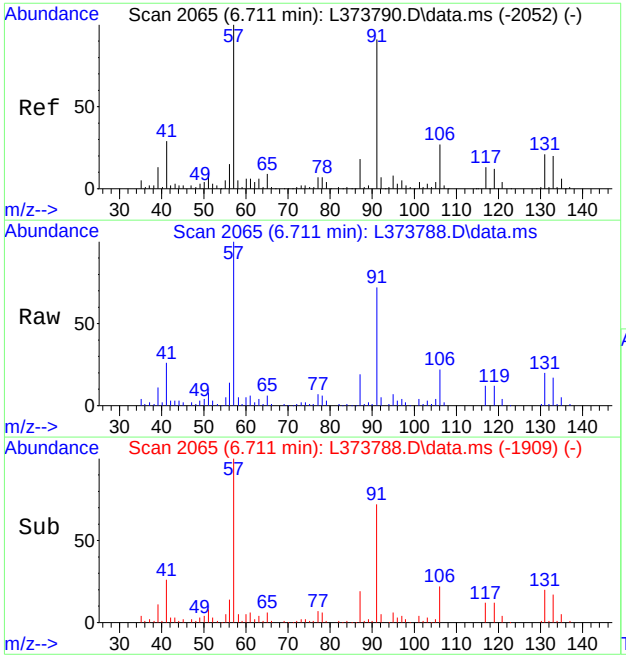


#83
1,2-dibromoethane
Concen: 8.32 ug/L
RT: 6.217 min Scan# 1911
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion:107 Resp: 21966

Ion	Ratio	Lower	Upper
107	100		
109	97.7	63.9	123.9
188	3.7	0.0	33.4

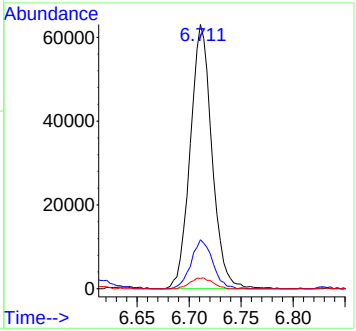


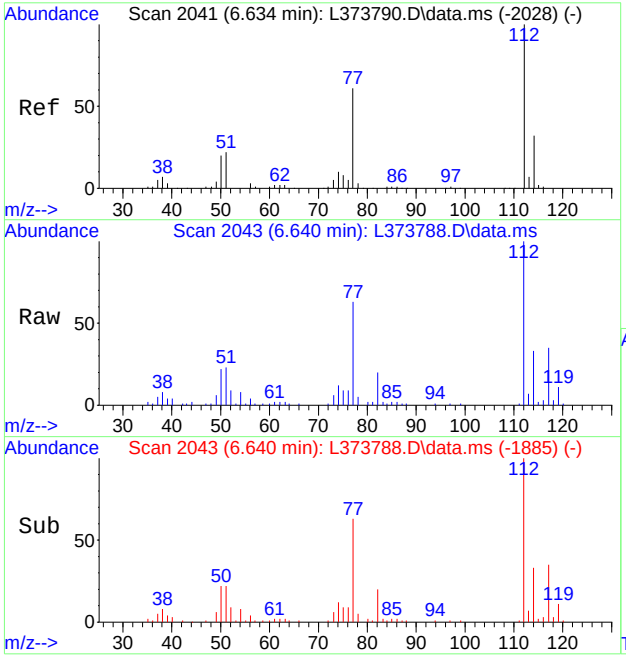


#84
n-butyl ether
Concen: 8.15 ug/L
RT: 6.711 min Scan# 2065
Delta R.T. -0.000 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 57 Resp: 91748

Ion	Ratio	Lower	Upper
57	100		
87	18.6	0.0	47.8
101	4.0	0.0	34.2

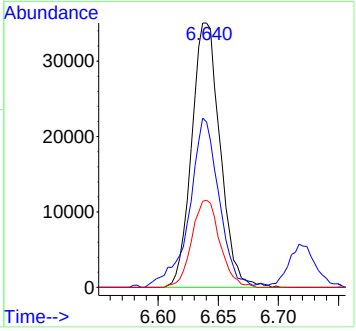


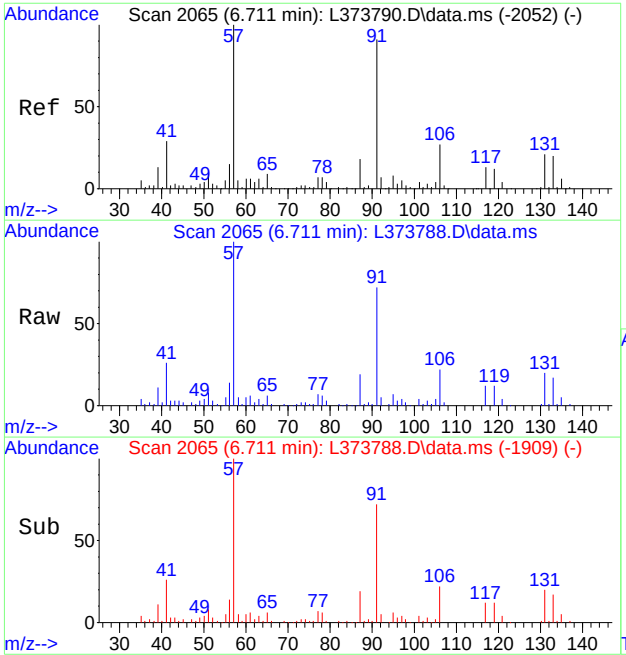


#85
chlorobenzene
Concen: 8.21 ug/L
RT: 6.640 min Scan# 2043
Delta R.T. 0.006 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion:112 Resp: 57714

Ion	Ratio	Lower	Upper
112	100		
77	58.7	30.8	90.8
114	32.9	2.4	62.4

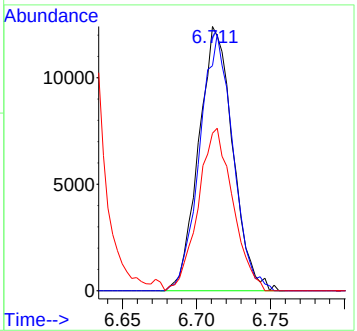


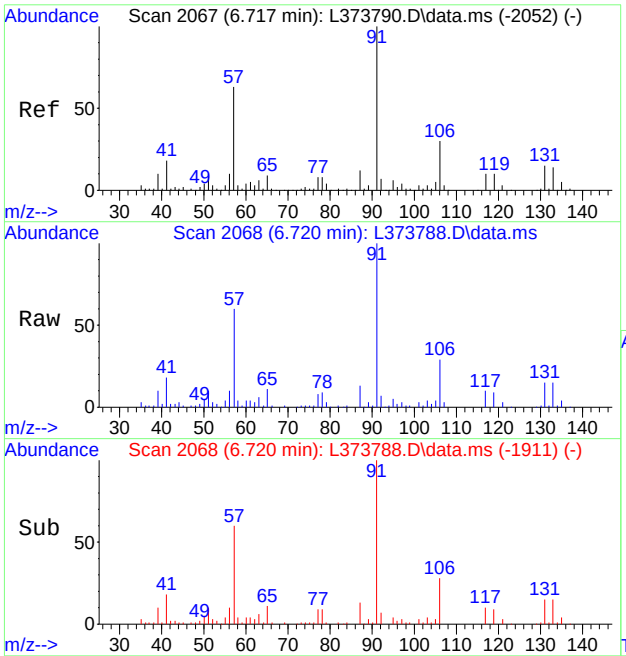


#86
1,1,1,2-tetrachloroethane
Concen: 8.76 ug/L
RT: 6.711 min Scan# 2065
Delta R.T. -0.000 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion:131 Resp: 19840

Ion	Ratio	Lower	Upper
131	100		
133	85.1	65.1	125.1
119	59.6	30.8	90.8

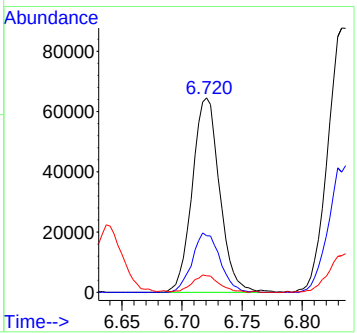


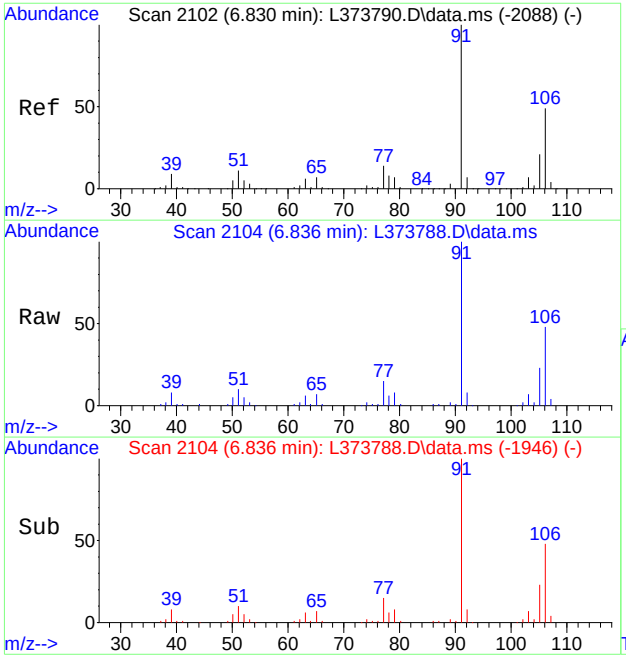


#87
ethylbenzene
Concen: 8.47 ug/L
RT: 6.720 min Scan# 2068
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 91 Resp: 102196

Ion	Ratio	Lower	Upper
91	100		
106	29.1	0.1	60.1
77	8.5	0.0	38.6

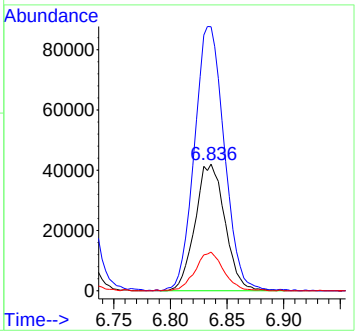


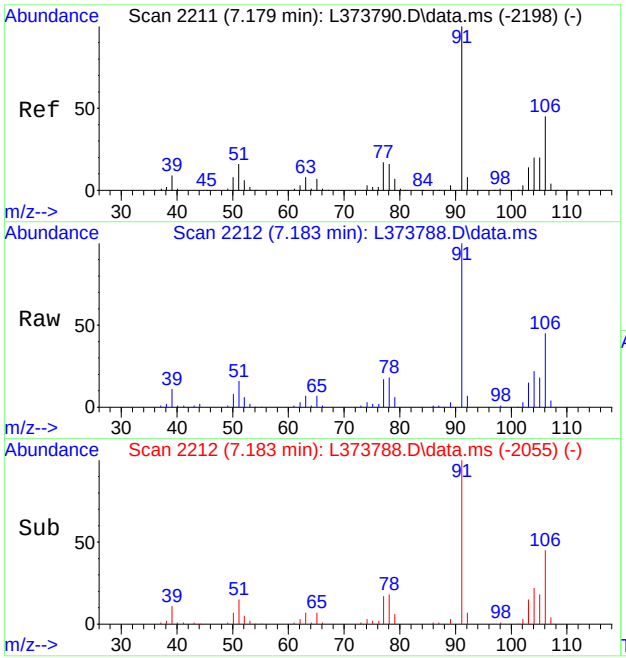


#88
m,p-xylene
Concen: 16.35 ug/L
RT: 6.836 min Scan# 2104
Delta R.T. 0.006 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion:106 Resp: 77071

Ion	Ratio	Lower	Upper
106	100		
91	208.4	175.7	235.7
77	30.5	8.1	48.1

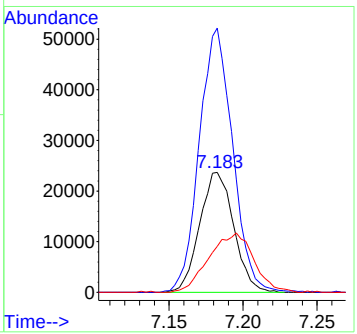


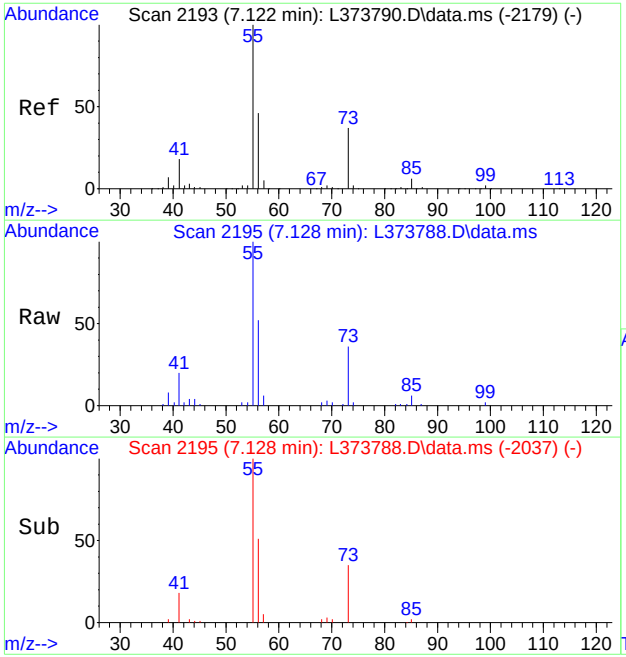


#89
o-xylene
Concen: 8.20 ug/L
RT: 7.183 min Scan# 2212
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion:106 Resp: 37933

Ion	Ratio	Lower	Upper
106	100		
91	220.5	194.5	254.5
77	38.4	18.1	58.1

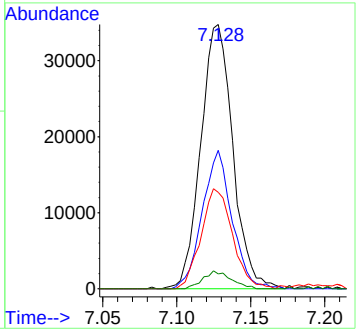


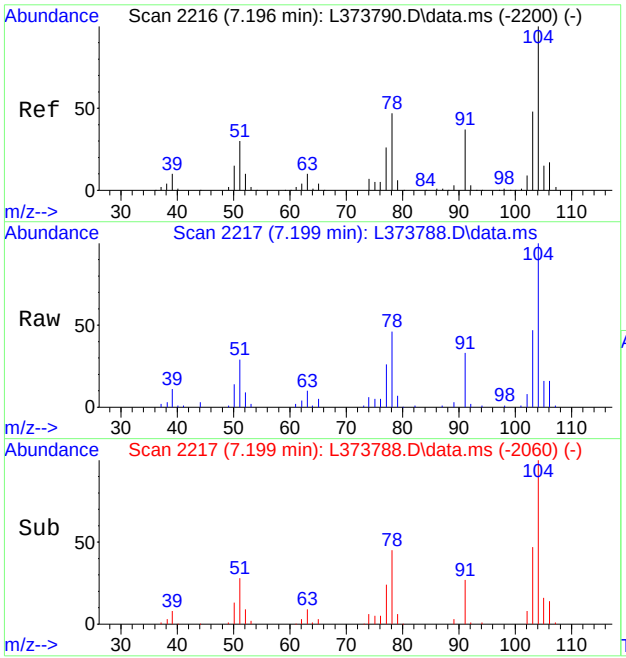


#90
butyl acrylate
Concen: 7.46 ug/L
RT: 7.128 min Scan# 2195
Delta R.T. 0.006 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 55 Resp: 52334

Ion	Ratio	Lower	Upper
55	100		
56	52.4	26.3	66.3
73	36.5	17.5	57.5
85	5.7	0.0	25.6

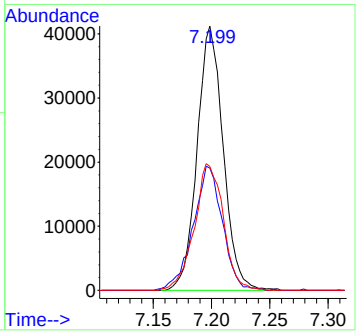


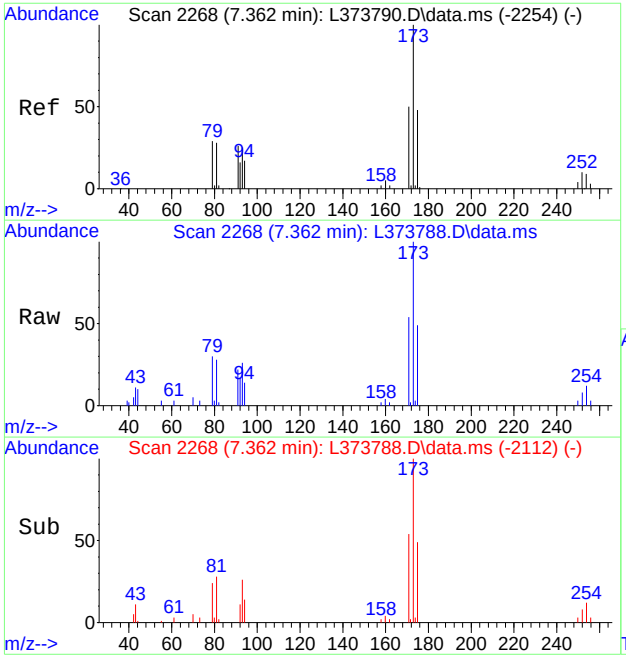


#91
styrene
Concen: 8.41 ug/L
RT: 7.199 min Scan# 2217
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion:104 Resp: 64266

Ion	Ratio	Lower	Upper
104	100		
78	46.2	16.8	76.8
103	46.8	17.7	77.7

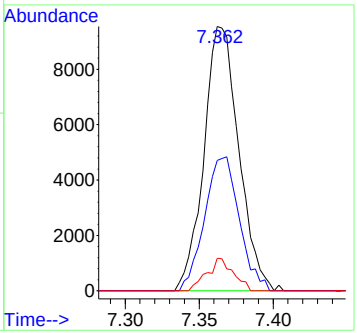


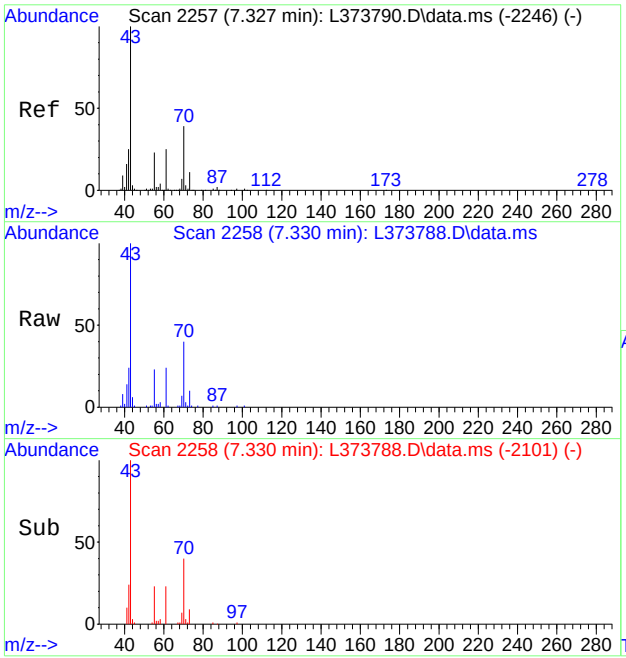


#92
bromoform
Concen: 7.74 ug/L
RT: 7.362 min Scan# 2268
Delta R.T. -0.000 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion:173 Resp: 15628

Ion	Ratio	Lower	Upper
173	100		
175	49.3	17.8	77.8
254	12.3	0.0	39.4

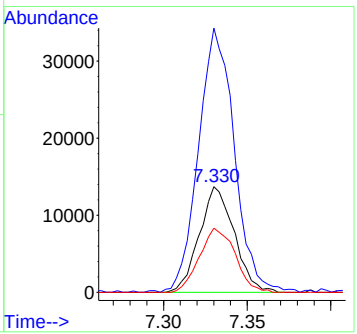




#93
n-amyl acetate
Concen: 7.56 ug/L
RT: 7.330 min Scan# 2258
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

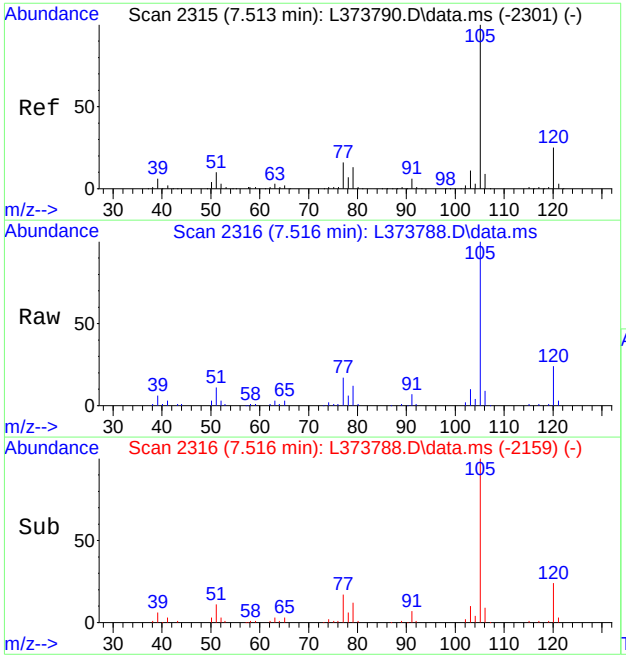
Tgt Ion: 70 Resp: 19888

Ion	Ratio	Lower	Upper
70	100		
43	249.9	233.4	273.4
61	60.8	42.6	82.6



7.6.34

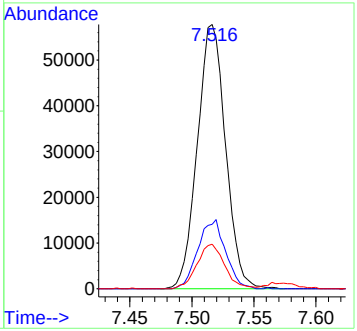
7

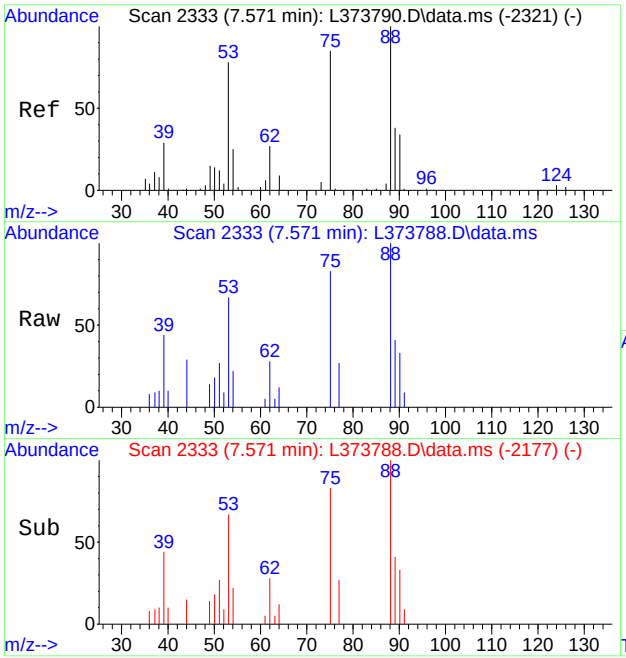


#94
isopropylbenzene
Concen: 8.34 ug/L
RT: 7.516 min Scan# 2316
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion:105 Resp: 91582

Ion	Ratio	Lower	Upper
105	100		
120	24.4	5.2	45.2
77	16.9	0.0	36.2

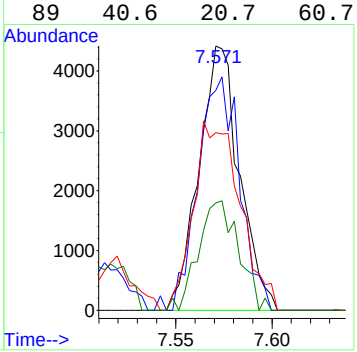


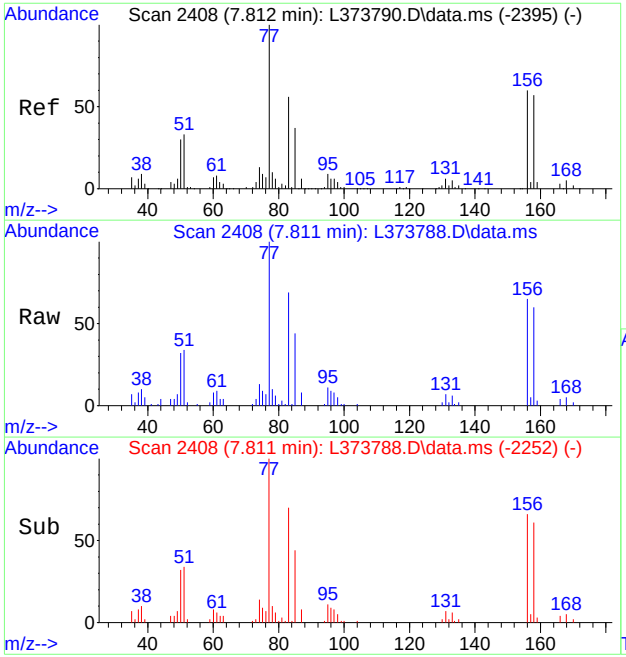


#95
cis-1,4-dichloro-2-butene
Concen: 7.50 ug/L
RT: 7.571 min Scan# 2333
Delta R.T. -0.000 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 88 Resp: 6494

Ion	Ratio	Lower	Upper
88	100		
75	83.3	66.5	106.5
53	67.2	59.7	99.7
89	40.6	20.7	60.7

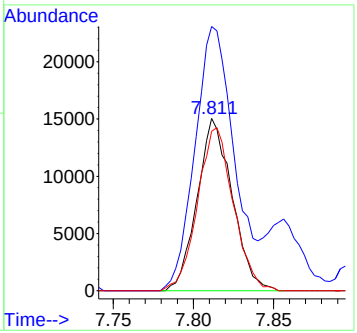


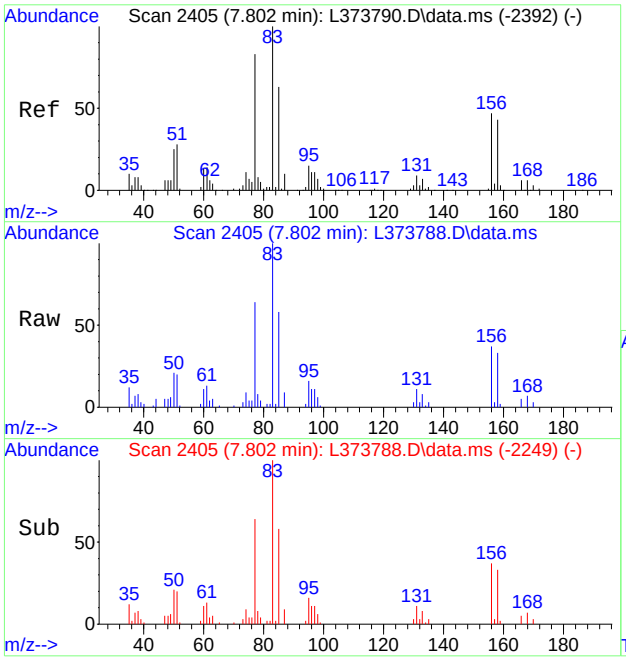


#98
bromobenzene
Concen: 8.34 ug/L
RT: 7.811 min Scan# 2408
Delta R.T. -0.000 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion:156 Resp: 22879

Ion	Ratio	Lower	Upper
156	100		
77	153.4	137.0	197.0
158	92.5	65.5	125.5

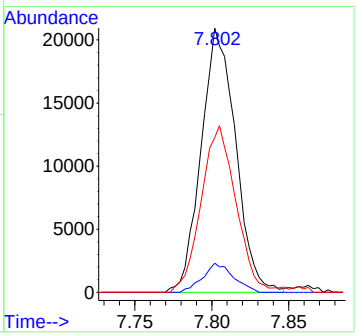


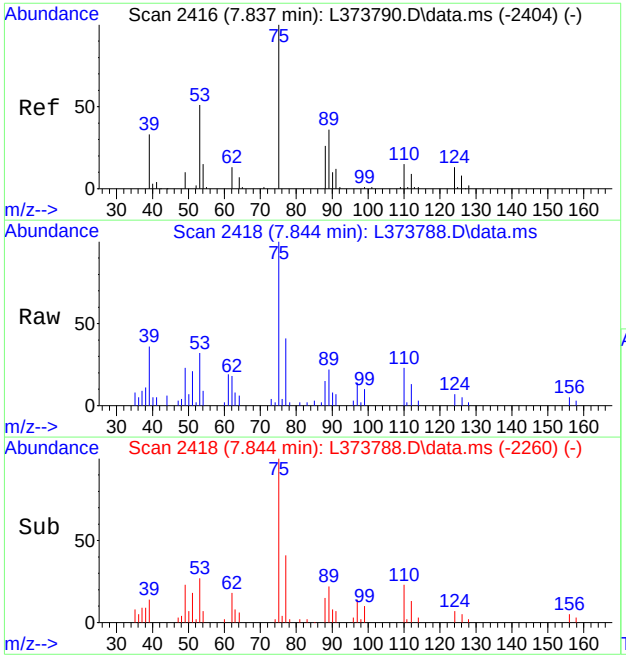


#99
1,1,2,2-tetrachloroethane
Concen: 7.64 ug/L
RT: 7.802 min Scan# 2405
Delta R.T. -0.000 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 83 Resp: 32675

Ion	Ratio	Lower	Upper
83	100		
131	11.1	0.0	38.9
85	58.5	33.3	93.3

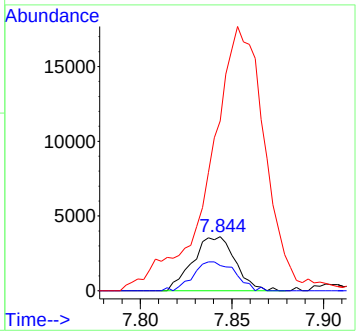


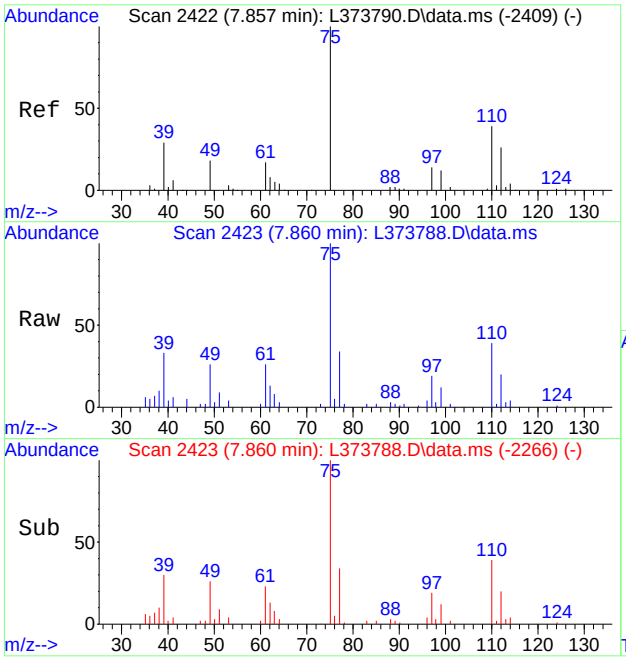


#100
trans-1,4-dichloro-2-butene
Concen: 7.52 ug/L
RT: 7.844 min Scan# 2418
Delta R.T. 0.006 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 53 Resp: 5822

Ion	Ratio	Lower	Upper
53	100		
88	46.9	21.0	81.0
75	260.1	165.8	225.8#

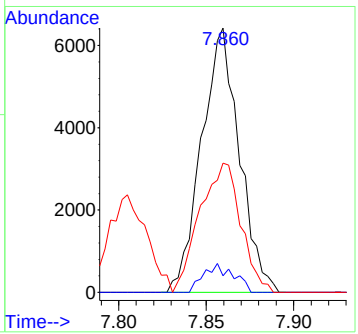


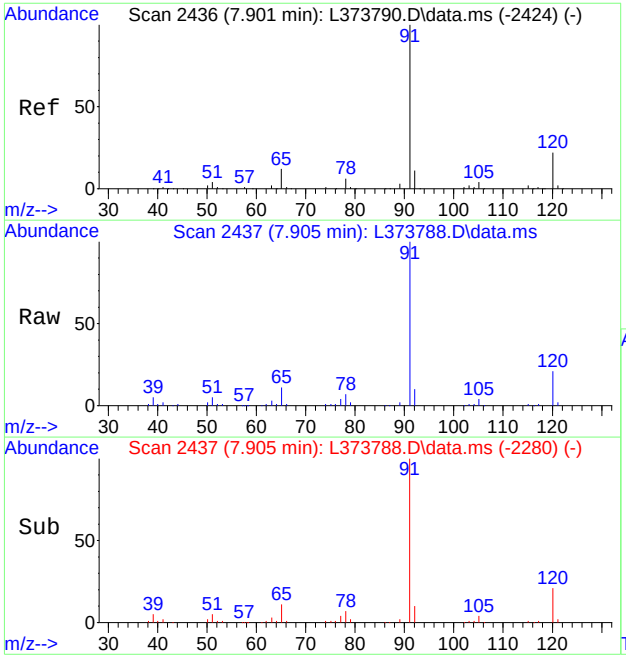


#101
1,2,3-trichloropropane
Concen: 7.47 ug/L
RT: 7.860 min Scan# 2423
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion:110 Resp: 9668

Ion	Ratio	Lower	Upper
110	100		
111	6.3	0.0	38.4
97	48.9	22.5	82.5

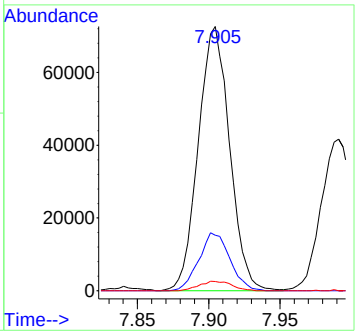


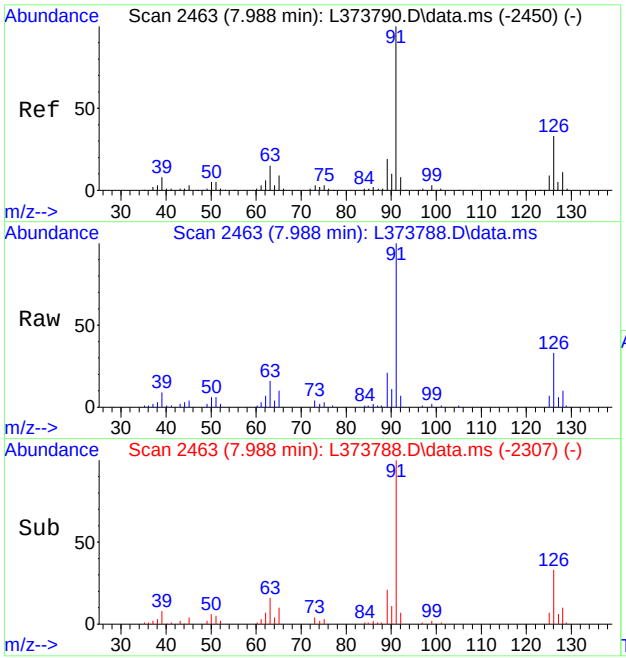


#102
n-propylbenzene
Concen: 8.52 ug/L
RT: 7.905 min Scan# 2437
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 91 Resp: 111277

Ion	Ratio	Lower	Upper
91	100		
120	21.0	0.0	51.5
105	3.5	0.0	33.7

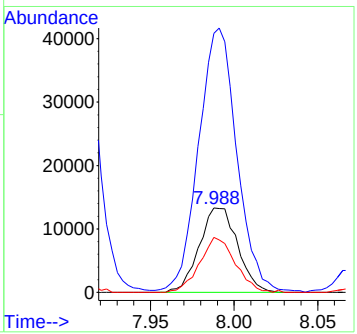


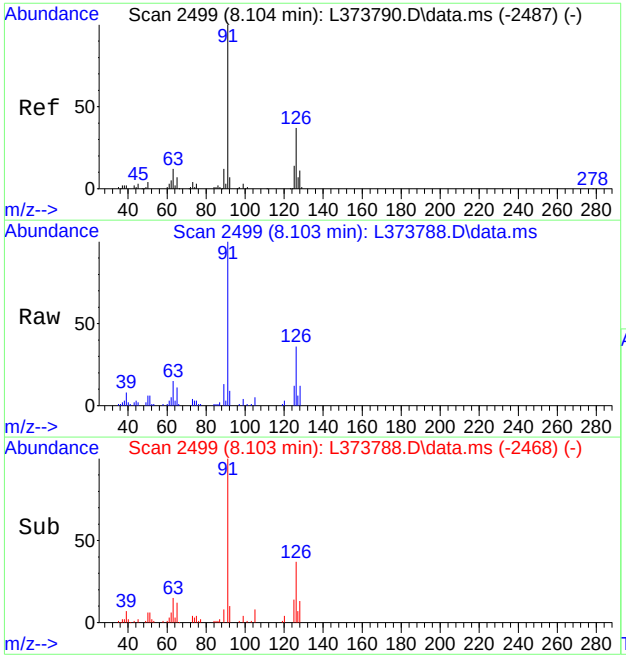


#103
2-chlorotoluene
Concen: 8.24 ug/L
RT: 7.988 min Scan# 2463
Delta R.T. -0.000 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion:126 Resp: 21198

Ion	Ratio	Lower	Upper
126	100		
91	304.2	276.4	336.4
89	65.2	28.8	88.8

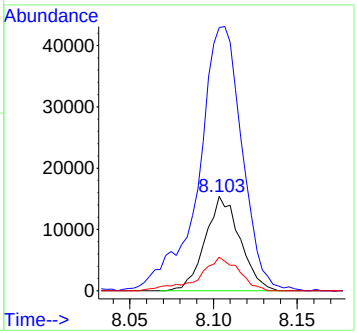


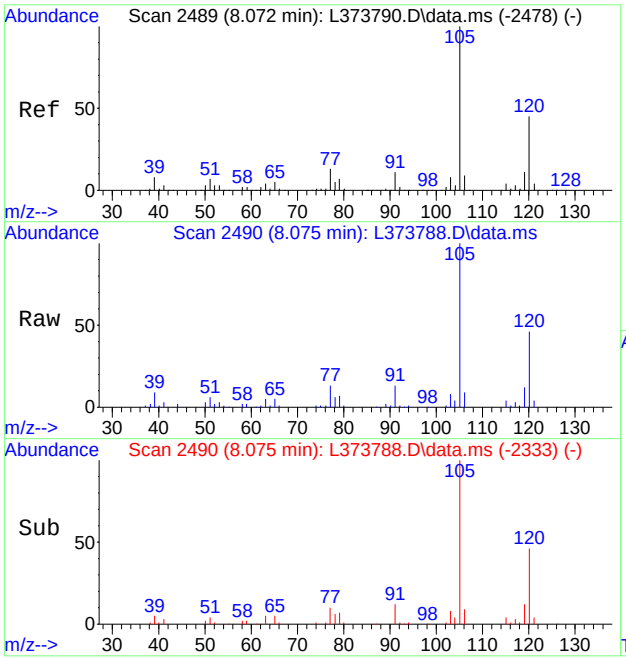


#104
4-chlorotoluene
Concen: 8.02 ug/L
RT: 8.103 min Scan# 2499
Delta R.T. -0.000 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion:126 Resp: 22201

Ion	Ratio	Lower	Upper
126	100		
91	275.0	265.5	325.5
89	35.7	5.5	65.5

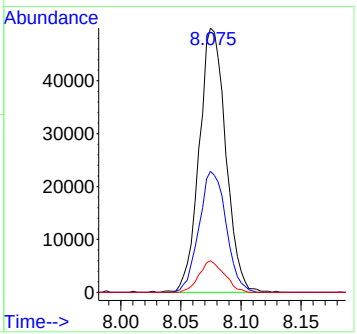


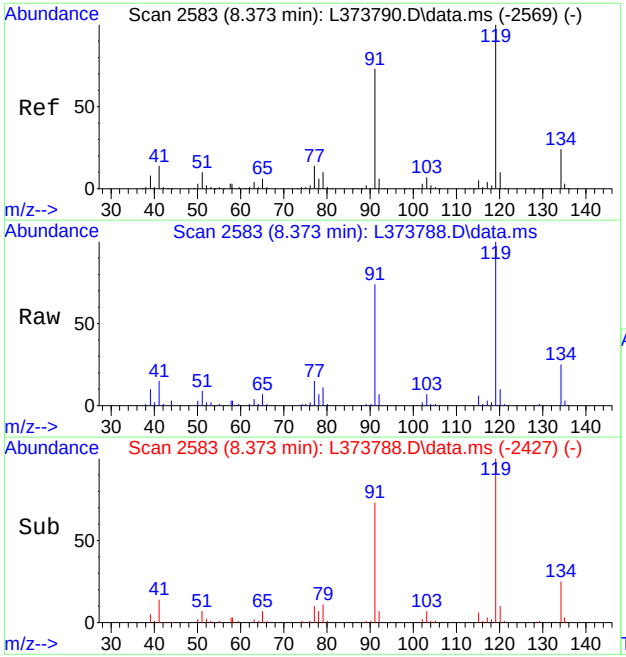


#105
1,3,5-trimethylbenzene
Concen: 8.42 ug/L
RT: 8.075 min Scan# 2490
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion:105 Resp: 76664

Ion	Ratio	Lower	Upper
105	100		
120	45.8	14.9	74.9
119	12.0	0.0	40.8

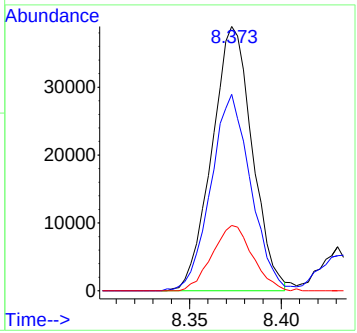


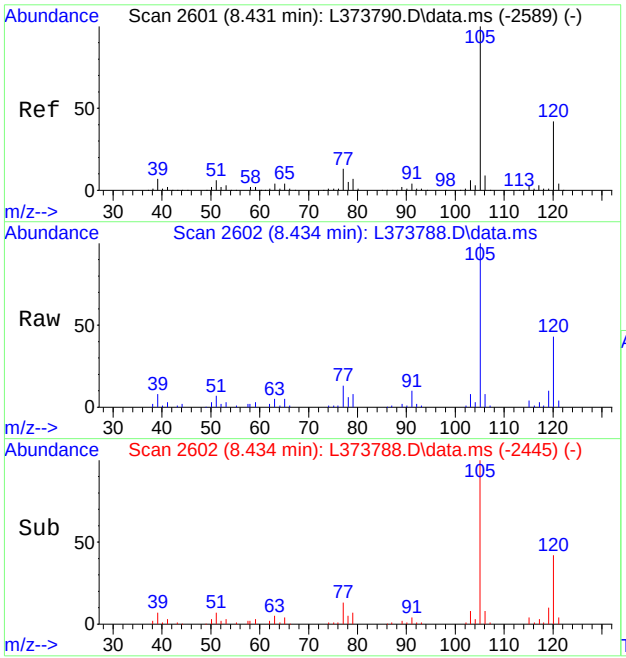


#106
tert-butylbenzene
Concen: 8.20 ug/L
RT: 8.373 min Scan# 2583
Delta R.T. -0.000 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion:119 Resp: 59786

Ion	Ratio	Lower	Upper
119	100		
91	74.3	42.9	102.9
134	24.7	0.0	54.4

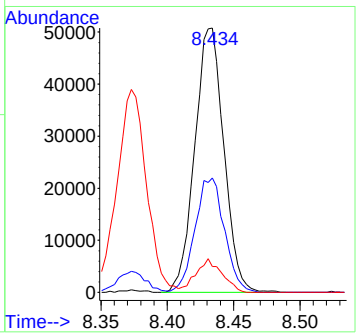


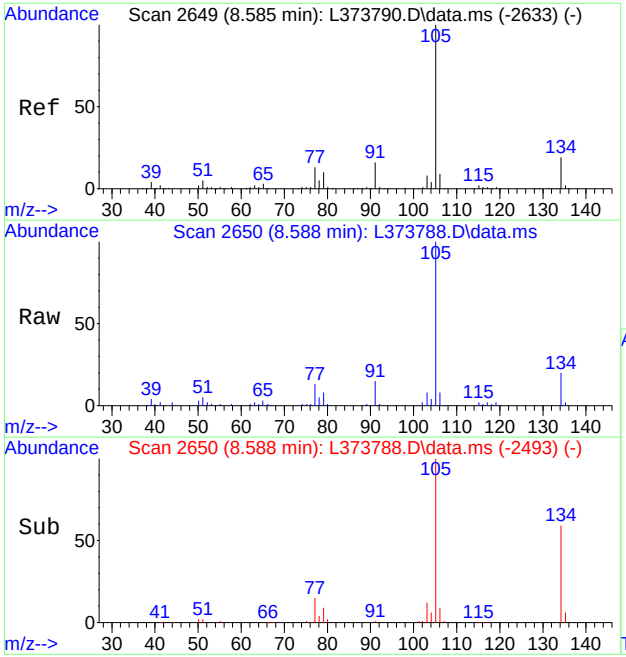


#107
1,2,4-trimethylbenzene
Concen: 8.49 ug/L
RT: 8.434 min Scan# 2602
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion:105 Resp: 77701

Ion	Ratio	Lower	Upper
105	100		
120	43.3	13.1	73.1
119	9.7	0.0	41.9

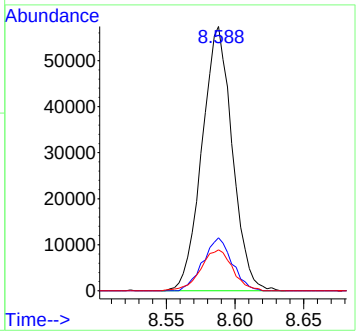


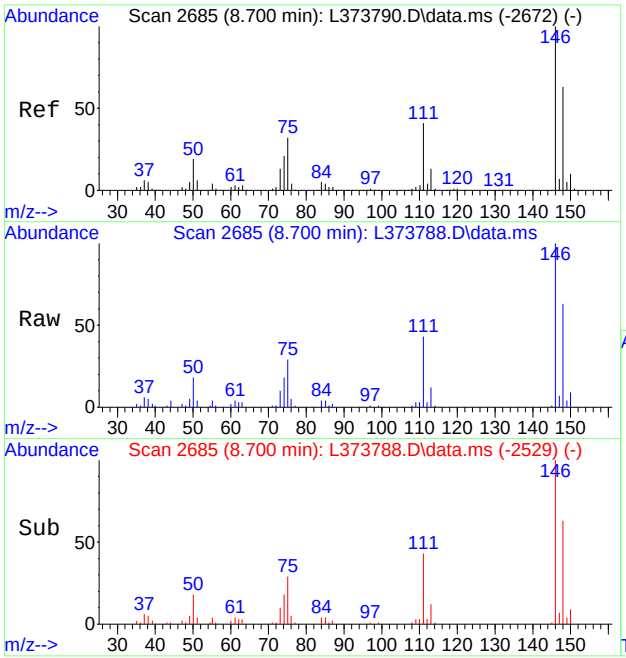


#108
sec-butylbenzene
Concen: 8.48 ug/L
RT: 8.588 min Scan# 2650
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion:105 Resp: 88104

Ion	Ratio	Lower	Upper
105	100		
134	20.0	0.0	48.8
91	15.5	0.0	45.9

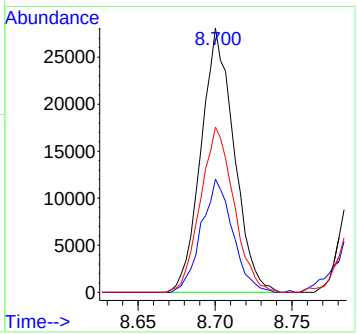


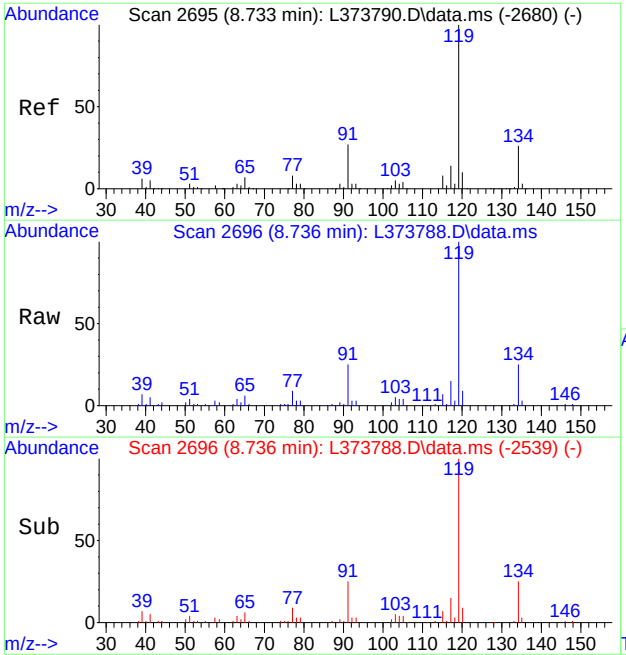


#109
1,3-dichlorobenzene
Concen: 8.18 ug/L
RT: 8.700 min Scan# 2685
Delta R.T. -0.000 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion:146 Resp: 41810

Ion	Ratio	Lower	Upper
146	100		
111	42.8	11.0	71.0
148	62.6	33.0	93.0

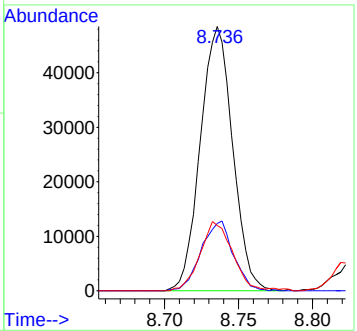


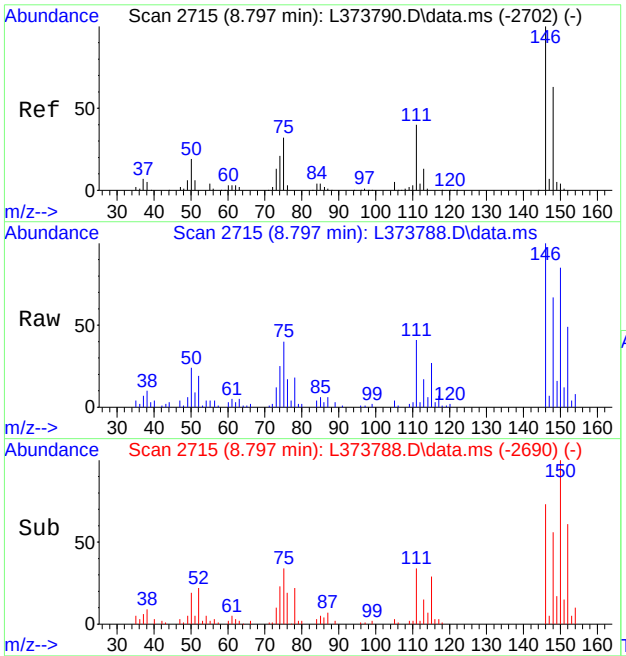


#110
p-isopropyltoluene
Concen: 8.58 ug/L
RT: 8.736 min Scan# 2696
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion:119 Resp: 73580

Ion	Ratio	Lower	Upper
119	100		
134	25.5	0.0	56.5
91	24.8	0.0	56.9

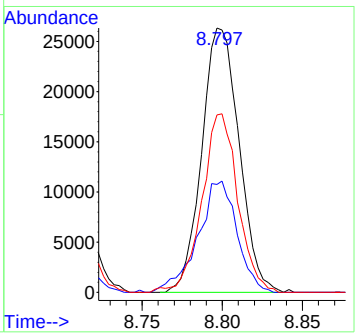


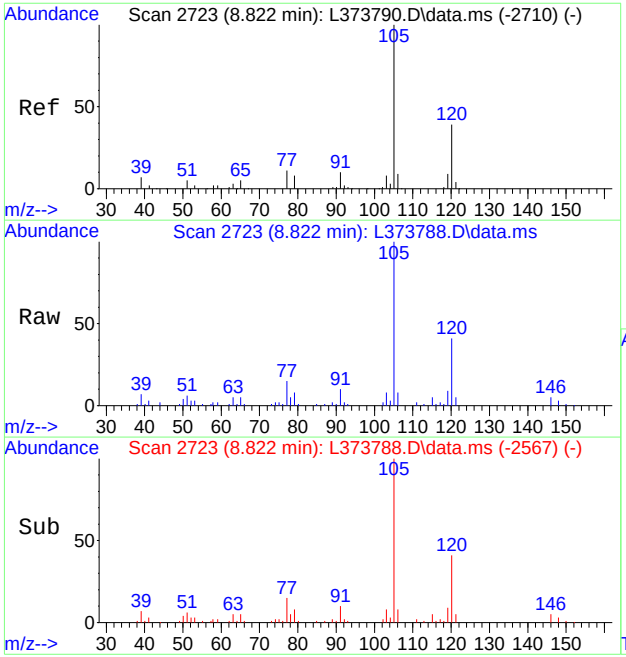


#111
1,4-dichlorobenzene
Concen: 8.00 ug/L
RT: 8.797 min Scan# 2715
Delta R.T. -0.000 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion:146 Resp: 42727

Ion	Ratio	Lower	Upper
146	100		
111	40.8	9.7	69.7
148	67.1	33.0	93.0

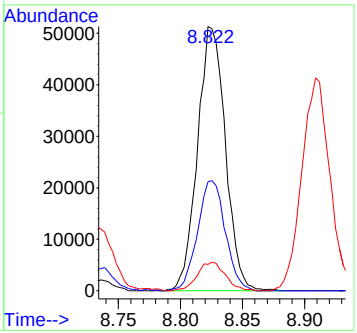


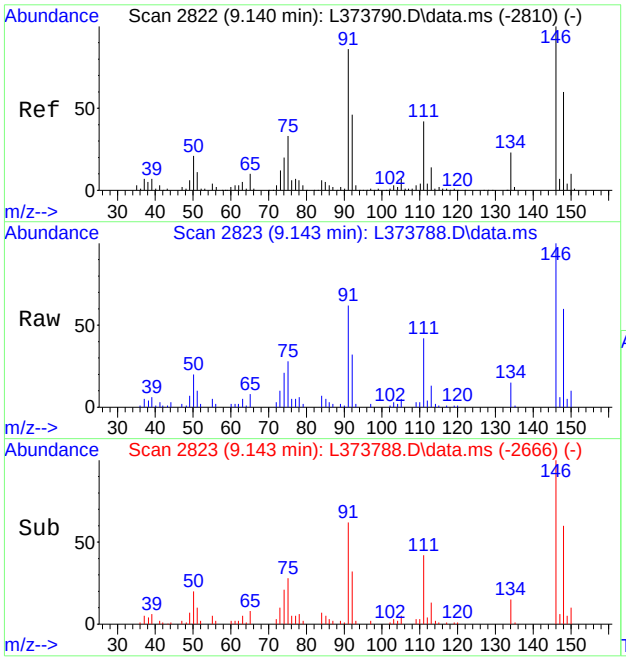


#112
1,2,3-trimethylbenzene
Concen: 8.11 ug/L
RT: 8.822 min Scan# 2723
Delta R.T. -0.000 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion:105 Resp: 80277

Ion	Ratio	Lower	Upper
105	100		
120	41.2	8.8	68.8
91	9.4	0.0	40.2

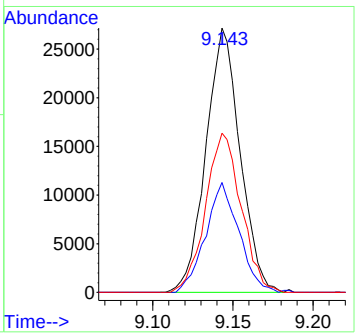


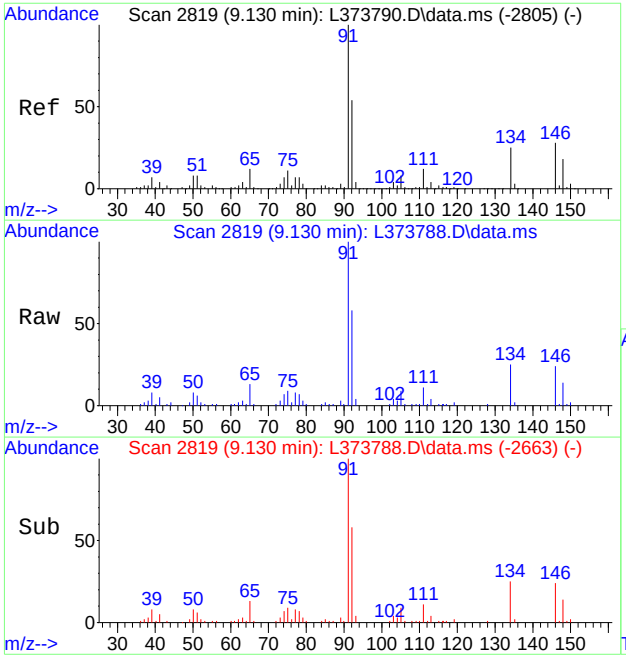


#113
1,2-dichlorobenzene
Concen: 8.20 ug/L
RT: 9.143 min Scan# 2823
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion:146 Resp: 40255

Ion	Ratio	Lower	Upper
146	100		
111	41.6	12.1	72.1
148	60.2	30.4	90.4

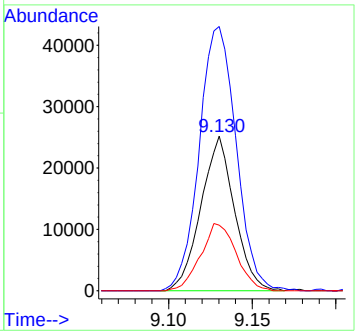


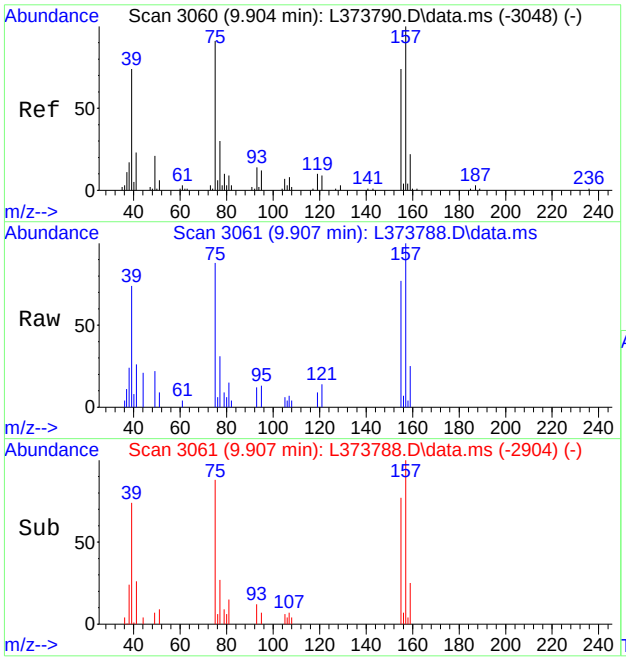


#114
n-butylbenzene
Concen: 8.29 ug/L
RT: 9.130 min Scan# 2819
Delta R.T. -0.000 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 92 Resp: 35156

Ion	Ratio	Lower	Upper
92	100		
91	171.0	155.4	215.4
134	42.3	15.6	75.6

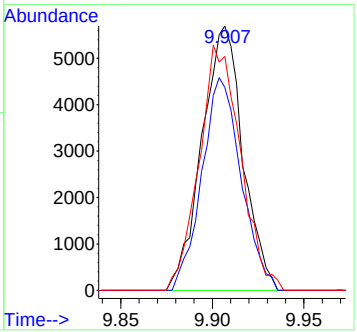


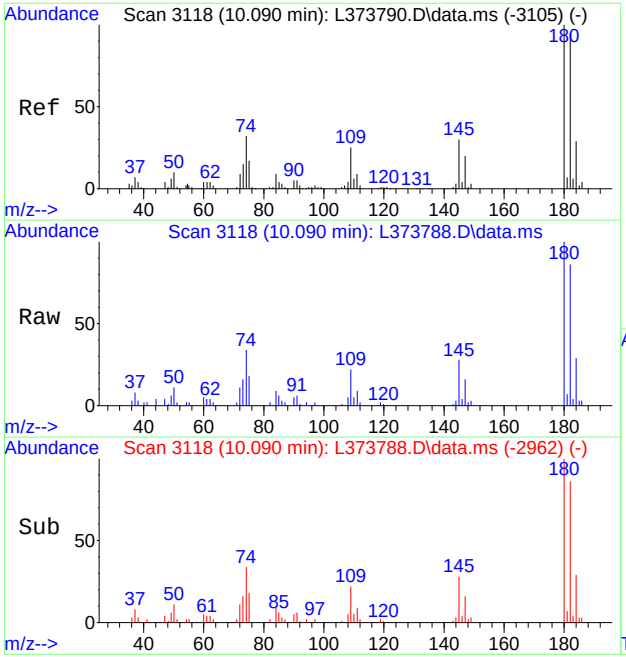


#115
1,2-dibromo-3-chloropropane
Concen: 7.84 ug/L
RT: 9.907 min Scan# 3061
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion:157 Resp: 8898

Ion	Ratio	Lower	Upper
157	100		
155	76.8	44.1	104.1
75	88.5	60.9	120.9

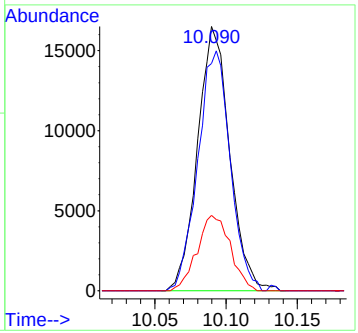


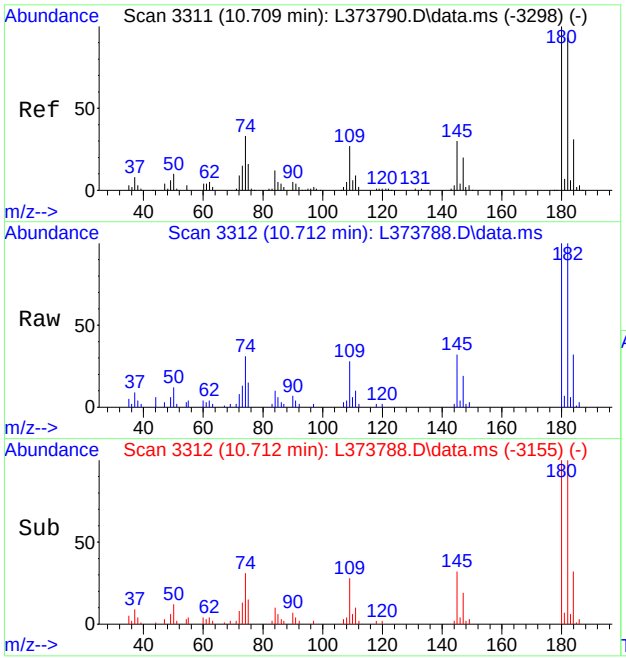


#116
1,3,5-trichlorobenzene
Concen: 8.48 ug/L
RT: 10.090 min Scan# 3118
Delta R.T. -0.000 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion:180 Resp: 25868

Ion	Ratio	Lower	Upper
180	100		
182	86.0	65.0	125.0
184	28.5	0.0	59.4

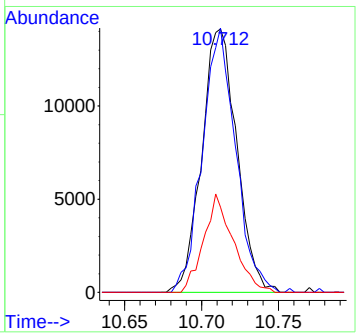


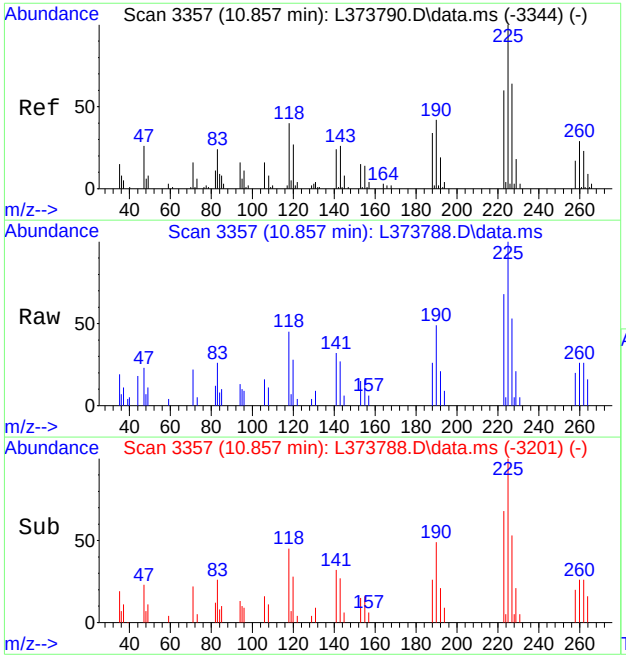


#117
1,2,4-trichlorobenzene
Concen: 8.28 ug/L
RT: 10.712 min Scan# 3312
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion:180 Resp: 22407

Ion	Ratio	Lower	Upper
180	100		
182	100.4	63.1	123.1
184	32.4	0.8	60.8

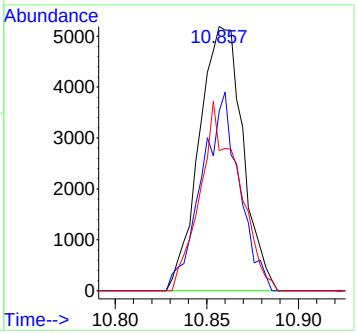


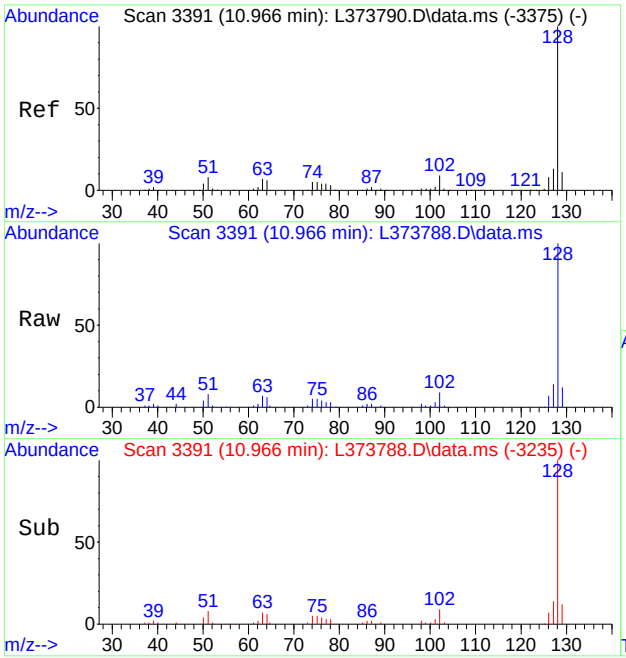


#118
hexachlorobutadiene
Concen: 8.48 ug/L
RT: 10.857 min Scan# 3357
Delta R.T. -0.000 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion:225 Resp: 8626

Ion	Ratio	Lower	Upper
225	100		
223	68.0	30.0	90.0
227	53.0	33.8	93.8

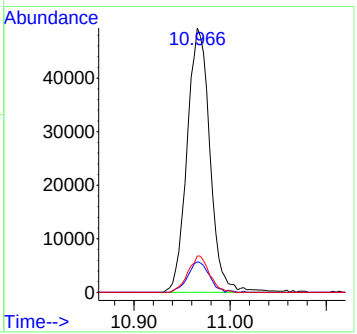


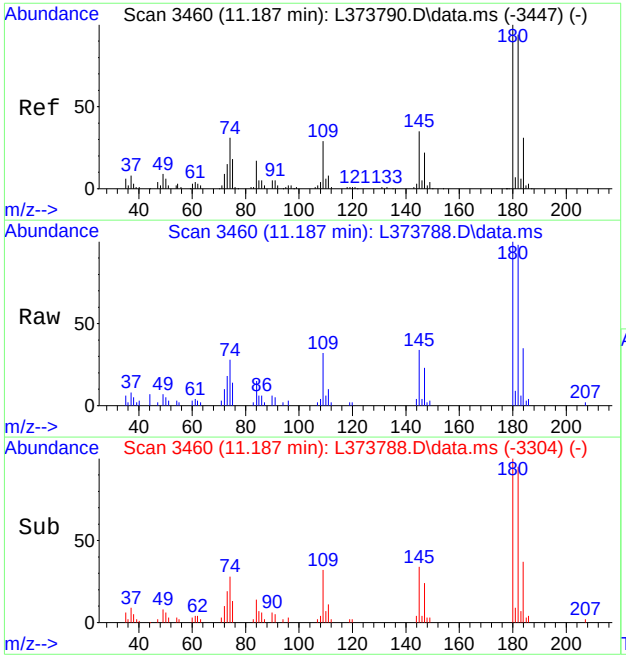


#119
naphthalene
Concen: 8.06 ug/L
RT: 10.966 min Scan# 3391
Delta R.T. -0.000 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion:128 Resp: 81798

Ion	Ratio	Lower	Upper
128	100		
129	11.6	0.0	41.1
127	13.8	0.0	42.9

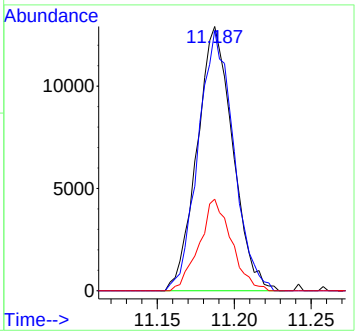


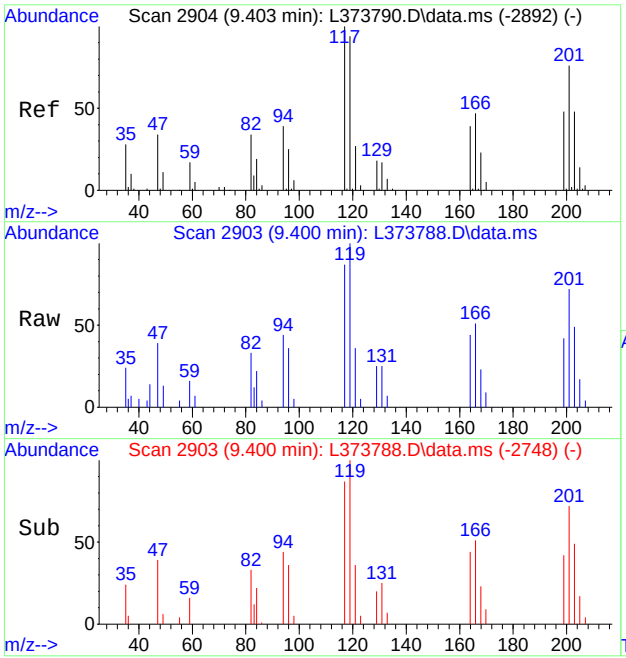


#120
1,2,3-trichlorobenzene
Concen: 7.94 ug/L
RT: 11.187 min Scan# 3460
Delta R.T. -0.000 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion:180 Resp: 20831

Ion	Ratio	Lower	Upper
180	100		
182	98.5	63.9	123.9
184	34.7	1.2	61.2

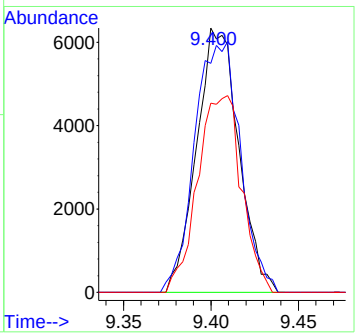


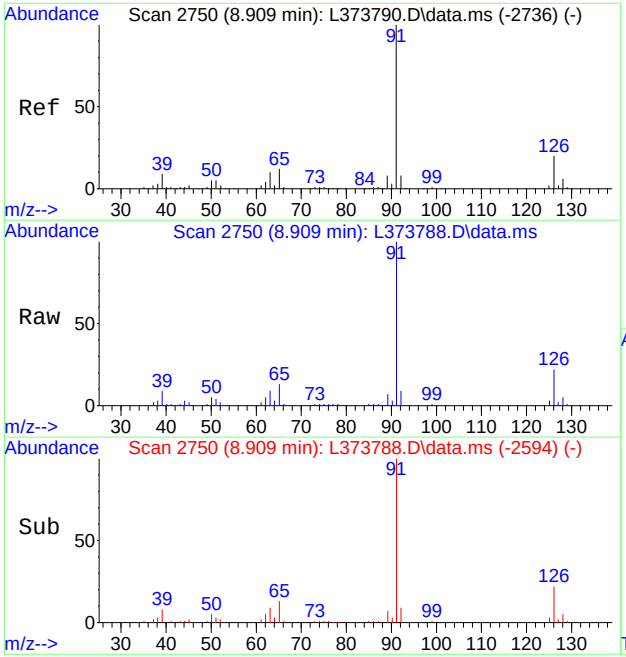


#121
hexachloroethane
Concen: 8.47 ug/L
RT: 9.400 min Scan# 2903
Delta R.T. -0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion:119 Resp: 10626

Ion	Ratio	Lower	Upper
119	100		
117	86.6	76.2	136.2
201	71.5	51.2	111.2

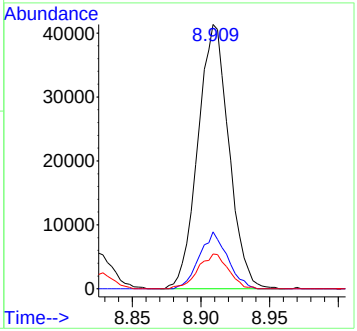


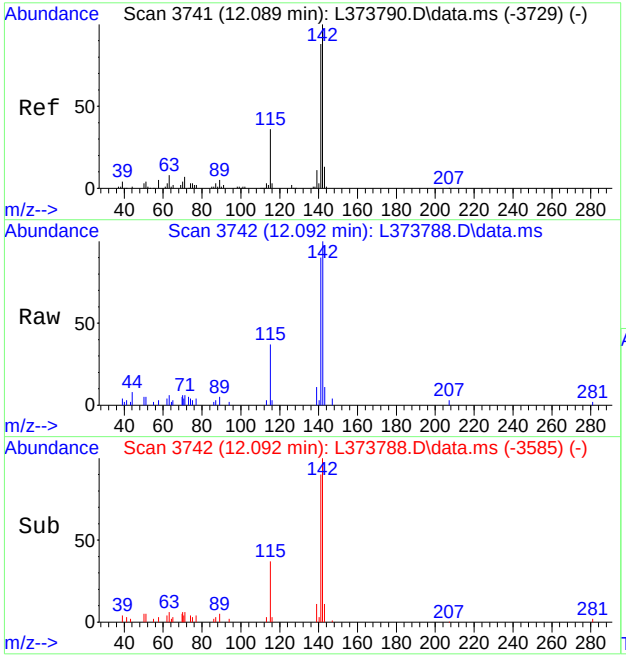


#122
benzyl chloride
Concen: 7.95 ug/L
RT: 8.909 min Scan# 2750
Delta R.T. -0.000 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 91 Resp: 64882

Ion	Ratio	Lower	Upper
91	100		
126	21.6	0.0	49.8
65	13.2	0.0	41.8

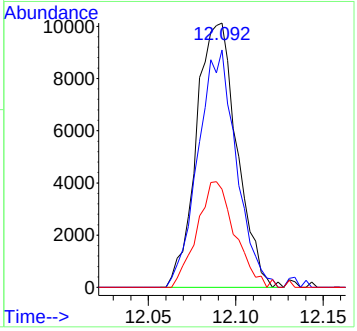




#123
2-methylnaphthalene
Concen: 4.12 ug/L
RT: 12.092 min Scan# 3742
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion:142 Resp: 16324

Ion	Ratio	Lower	Upper
142	100		
141	89.8	68.0	108.0
115	37.1	15.9	55.9



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373789.D
Acq On : 16 Oct 2025 8:31 pm
Operator : BridgetK
Sample : ic11472-20
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 17 10:12:58 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 10:11:49 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	2.613	65	307050	500.00	ug/L	0.00
5) pentafluorobenzene	3.756	168	246402	50.00	ug/L	0.00
51) 1,4-difluorobenzene	4.292	114	426327	50.00	ug/L	0.00
72) chlorobenzene-d5	6.612	117	330123	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	8.774	152	159457	50.00	ug/L	0.00
124) pentafluorobenzene(a)	3.756	168	246402	50.00	ug/L	0.00
131) 1,4-dichlorobenzene-d4(a)	8.774	152	159457	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	3.756	113	130393	50.61	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.22%			
52) 1,2-dichloroethane-d4 (s)	3.993	65	159119	51.32	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 102.64%			
73) toluene-d8 (s)	5.395	98	480045	50.40	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.80%			
97) 4-bromofluorobenzene (s)	7.680	95	173027	50.83	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.66%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.712	88	36929	404.6087	ug/L	99
3) ethanol	2.090	45	130636	1425.9316	ug/L	98
4) tertiary butyl alcohol	2.665	59	80211	79.0833	ug/L	98
6) chlorodifluoromethane	1.368	51	67112	17.8521	ug/L	99
7) dichlorodifluoromethane	1.352	85	73991	20.5281	ug/L	99
8) chloromethane	1.487	50	66300	18.5077	ug/L	98
9) vinyl chloride	1.558	62	68155	19.5214	ug/L	100
10) 1,3-butadiene	1.580	54	61503	18.0438	ug/L	95
11) bromomethane	1.773	96	15901	18.3034	ug/L	98
12) chloroethane	1.843	64	27660	18.0296	ug/L	99
13) trichlorofluoromethane	2.000	101	87344	20.1998	ug/L	97
14) ethyl ether	2.167	74	28651	19.2975	ug/L	98
15) acrolein	2.257	56	12543	20.4525	ug/L	99
16) freon 113	2.324	151	35851	19.2713	ug/L	91
17) 1,1-dichloroethene	2.328	96	45415	19.5279	ug/L	97
18) acetone	2.341	58	33730	72.6917	ug/L	94
19) acetonitrile	2.520	40	66914	191.2442	ug/L	93
20) iodomethane	2.424	142	28126	21.5748	ug/L	94
21) iso-butyl alcohol	3.906	43	53257	161.7900	ug/L	92
22) carbon disulfide	2.479	76	136404	18.1759	ug/L	97
23) methylene chloride	2.629	84	52998	17.9077	ug/L	98
24) methyl acetate	2.530	74	13226	18.1696	ug/L	93
25) methyl tert butyl ether	2.783	73	150751	20.0470	ug/L	99
26) trans-1,2-dichloroethene	2.799	96	50322	18.9631	ug/L	98
27) hexane	2.966	57	63819	19.9879	ug/L	98
28) di-isopropyl ether	3.075	45	152089	19.1857	ug/L	93
29) ethyl tert-butyl ether	3.306	59	160340	19.8624	ug/L	97
30) 2-butanone	3.416	72	45168	80.9639	ug/L	92
31) 1,1-dichloroethane	3.072	63	94731	18.8870	ug/L	98
32) chloroprene	3.120	53	83524	20.0001	ug/L	99
33) acrylonitrile	2.767	53	26984	19.8438	ug/L	98
34) vinyl acetate	3.056	86	13096	20.4859	ug/L #	92
35) ethyl acetate	3.428	45	12193	16.9669	ug/L #	44
36) 2,2-dichloropropane	3.444	77	83615	18.3630	ug/L	98
37) cis-1,2-dichloroethene	3.438	96	54962	18.6913	ug/L	97
38) propionitrile	3.460	54	144130	181.0287	ug/L	89
39) methyl acrylate	3.470	85	11829	20.1603	ug/L	98
40) bromochloromethane	3.595	128	24848	18.9841	ug/L	92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373789.D
Acq On : 16 Oct 2025 8:31 pm
Operator : BridgetK
Sample : ic11472-20
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 17 10:12:58 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 10:11:49 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) tetrahydrofuran	3.608	72	13290	18.3636 ug/L	91
42) chloroform	3.653	83	97286	16.6587 ug/L	95
44) methacrylonitrile	3.560	67	31292	18.8188 ug/L	92
45) 1,1,1-trichloroethane	3.775	97	82854	18.8523 ug/L #	74
46) cyclohexane	3.826	84	70503	19.6946 ug/L	88
47) 1,1-dichloropropene	3.881	75	69823	20.1806 ug/L	94
48) carbon tetrachloride	3.884	117	66914	18.8887 ug/L	96
49) isopropyl acetate	4.009	87	14869	18.9748 ug/L	98
50) tert amyl alcohol	3.990	55	26801	80.6067 ug/L	97
53) tert-amyl methyl ether	4.089	73	155418	18.6811 ug/L	98
54) 2,2,4-trimethylpentane	4.083	57	117770	19.1077 ug/L	96
55) n-butyl alcohol	4.365	56	207548	800.8618 ug/L	99
56) benzene	4.019	78	200672	17.6791 ug/L	98
57) heptane	4.195	57	25632	19.7106 ug/L	95
58) 1,2-dichloroethane	4.044	62	75588	17.4086 ug/L	99
59) trichloroethene	4.474	95	52936	19.0066 ug/L	93
60) ethyl acrylate	4.503	55	87225	16.9162 ug/L	98
61) 2-nitropropane	5.010	41	26612	17.4888 ug/L	98
62) 2-chloroethyl vinyl ether	5.049	63	85690	89.0434 ug/L	94
63) methyl methacrylate	4.677	100	16789	17.9430 ug/L	95
64) 1,2-dichloropropane	4.664	63	51711	17.9539 ug/L	96
65) methylcyclohexane	4.651	83	73312	19.3975 ug/L	96
66) dibromomethane	4.728	93	35079	17.4359 ug/L	93
67) bromodichloromethane	4.850	83	73810	17.8846 ug/L	98
68) cis-1,3-dichloropropene	5.184	75	83484	18.2604 ug/L	98
69) epichlorohydrin	5.094	57	51786	86.2979 ug/L	96
70) 4-methyl-2-pentanone	5.283	58	124175	67.0877 ug/L	95
71) 3-methyl-1-butanol	5.318	70	77362	316.7601 ug/L	95
74) toluene	5.450	92	121936	17.5810 ug/L	98
75) trans-1,3-dichloropropene	5.626	75	77844	18.3785 ug/L	99
76) ethyl methacrylate	5.659	69	74572	16.7239 ug/L	95
77) 1,1,2-trichloroethane	5.790	83	41453	18.1493 ug/L	94
78) 2-hexanone	5.960	58	136314	67.5704 ug/L	97
79) tetrachloroethene	5.874	166	50730	18.4269 ug/L	96
80) 1,3-dichloropropane	5.928	76	80323	18.3456 ug/L	96
81) butyl acetate	6.050	56	44153	16.5899 ug/L	98
82) dibromochloromethane	6.111	129	52067	17.5648 ug/L	95
83) 1,2-dibromoethane	6.217	107	49746	18.0097 ug/L	98
84) n-butyl ether	6.711	57	207653	17.6657 ug/L	99
85) chlorobenzene	6.637	112	128022	17.4201 ug/L	97
86) 1,1,1,2-tetrachloroethane	6.711	131	45017	18.8055 ug/L	97
87) ethylbenzene	6.721	91	228625	18.0297 ug/L	100
88) m,p-xylene	6.836	106	174844	35.5076 ug/L	96
89) o-xylene	7.183	106	84223	17.4257 ug/L	92
90) butyl acrylate	7.128	55	116919	16.1988 ug/L	100
91) styrene	7.196	104	142796	17.8110 ug/L	99
92) bromoform	7.366	173	35376	16.9221 ug/L	94
93) n-amyl acetate	7.330	70	43756	16.1337 ug/L	95
94) isopropylbenzene	7.516	105	205847	17.8830 ug/L	98
95) cis-1,4-dichloro-2-butene	7.574	88	16424	18.5212 ug/L	96
98) bromobenzene	7.815	156	51252	17.6553 ug/L	95
99) 1,1,2,2-tetrachloroethane	7.805	83	73473	16.4743 ug/L	98
100) trans-1,4-dichloro-2-b...	7.844	53	14539	18.1306 ug/L #	79
101) 1,2,3-trichloropropane	7.860	110	22027	16.4132 ug/L	95
102) n-propylbenzene	7.905	91	249406	17.9789 ug/L	99
103) 2-chlorotoluene	7.991	126	48157	17.7223 ug/L	95
104) 4-chlorotoluene	8.104	126	49762	17.1032 ug/L	91
105) 1,3,5-trimethylbenzene	8.075	105	173904	18.0171 ug/L	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373789.D
Acq On : 16 Oct 2025 8:31 pm
Operator : BridgetK
Sample : ic11472-20
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 17 10:12:58 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 10:11:49 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
106) tert-butylbenzene	8.373	119	134422	17.4596	ug/L	99
107) 1,2,4-trimethylbenzene	8.431	105	176377	18.1530	ug/L	99
108) sec-butylbenzene	8.588	105	197633	17.9104	ug/L	98
109) 1,3-dichlorobenzene	8.704	146	94511	17.5319	ug/L	98
110) p-isopropyltoluene	8.736	119	163551	17.9301	ug/L	97
111) 1,4-dichlorobenzene	8.800	146	94631	16.8573	ug/L	98
112) 1,2,3-trimethylbenzene	8.826	105	180890	17.3462	ug/L	97
113) 1,2-dichlorobenzene	9.143	146	90404	17.4438	ug/L	96
114) n-butylbenzene	9.131	92	82993	18.5040	ug/L	97
115) 1,2-dibromo-3-chloropr...	9.907	157	20199	16.9799	ug/L	96
116) 1,3,5-trichlorobenzene	10.090	180	60295	18.6181	ug/L	94
117) 1,2,4-trichlorobenzene	10.709	180	50969	17.8088	ug/L	97
118) hexachlorobutadiene	10.860	225	19283	17.8593	ug/L	98
119) naphthalene	10.966	128	189801	17.7641	ug/L	98
120) 1,2,3-trichlorobenzene	11.191	180	48260	17.5195	ug/L	96
121) hexachloroethane	9.403	119	24441	18.3620	ug/L	96
122) benzyl chloride	8.906	91	147801	17.2395	ug/L	98
123) 2-methylnaphthalene	12.092	142	35982	8.5934	ug/L	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

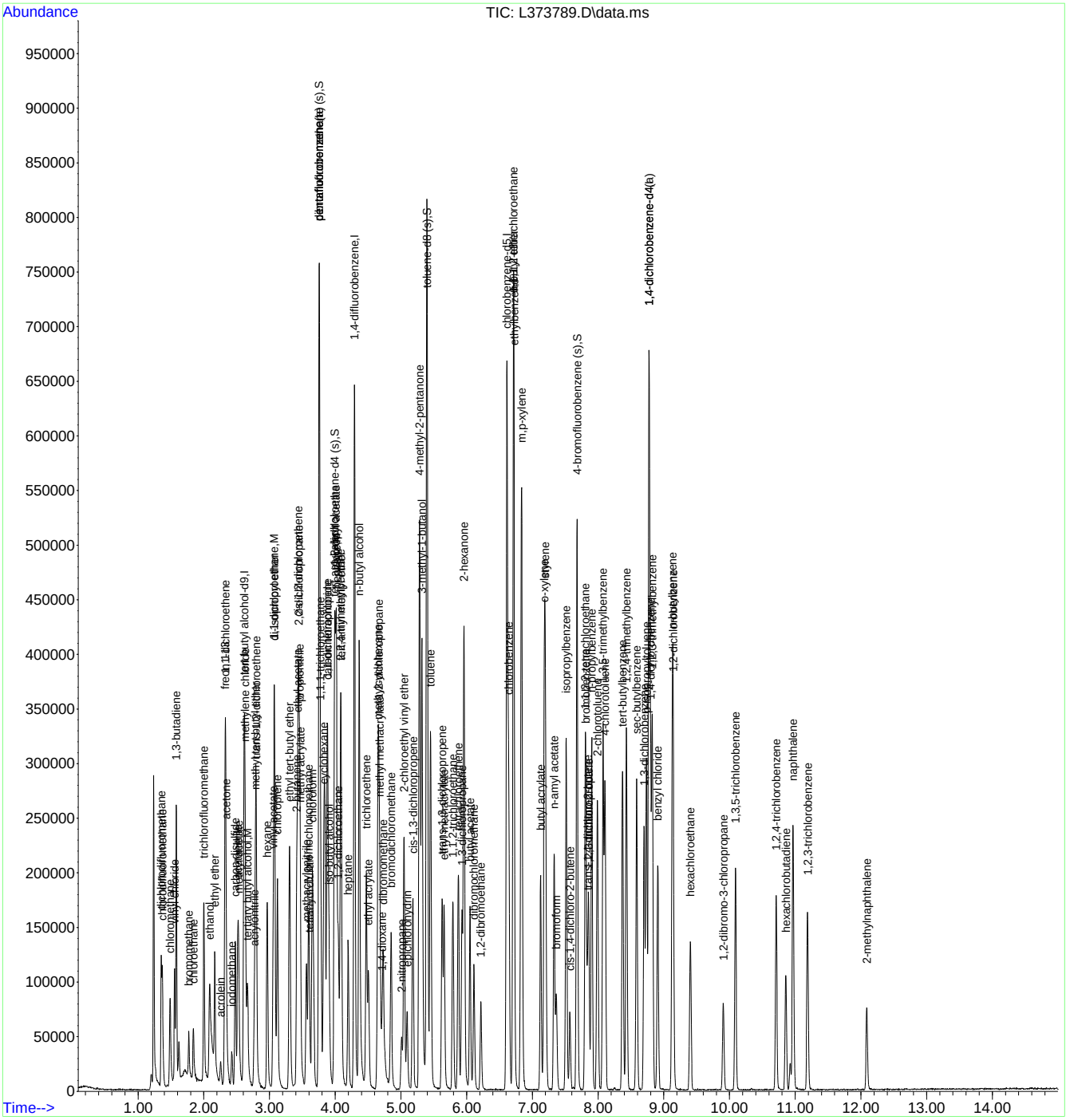
7.6.35

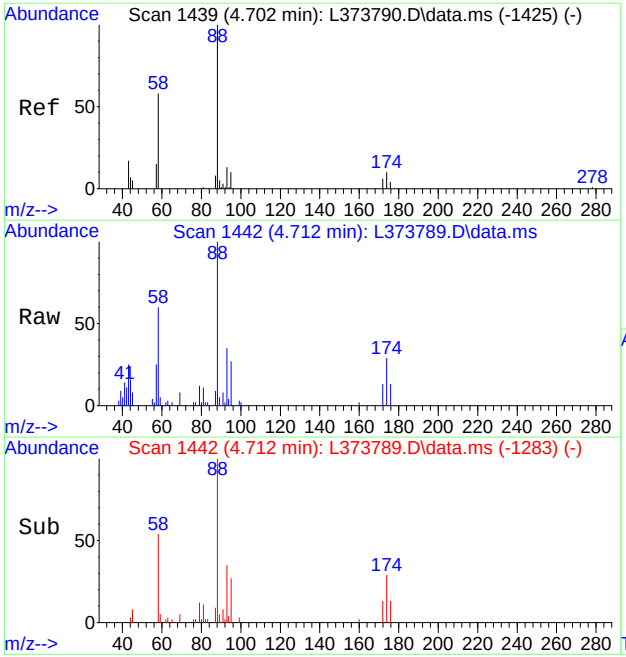
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373789.D
Acq On : 16 Oct 2025 8:31 pm
Operator : BridgetK
Sample : ic11472-20
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 17 10:12:58 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 10:11:49 2025
Response via : Initial Calibration

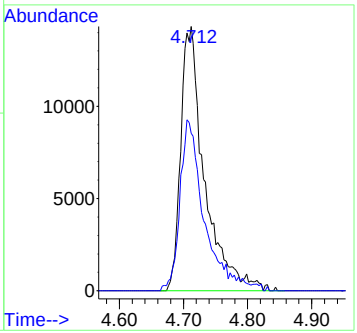


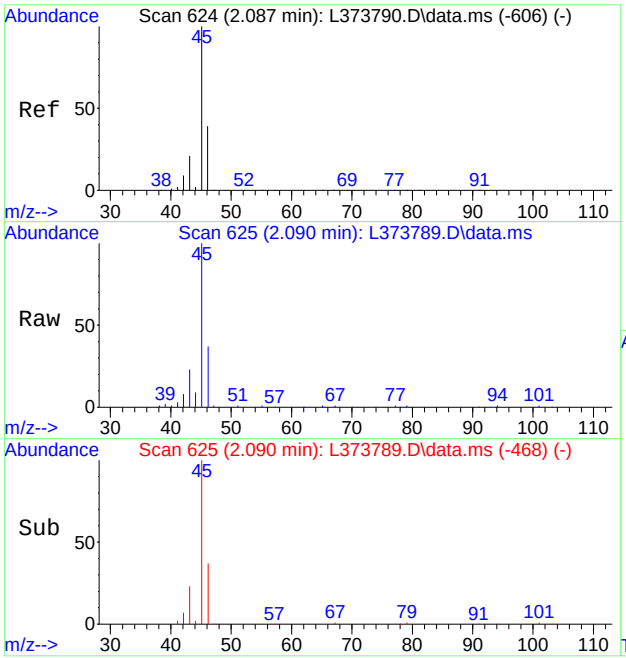


#2
1,4-dioxane
Concen: 404.61 ug/L
RT: 4.712 min Scan# 1442
Delta R.T. 0.010 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 88 Resp: 36929

Ion	Ratio	Lower	Upper
88	100		
58	59.6	29.1	89.1

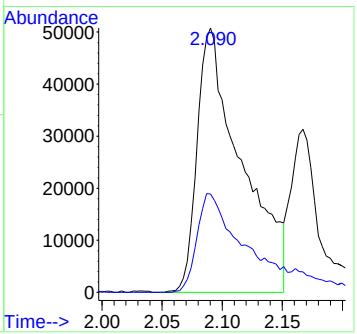


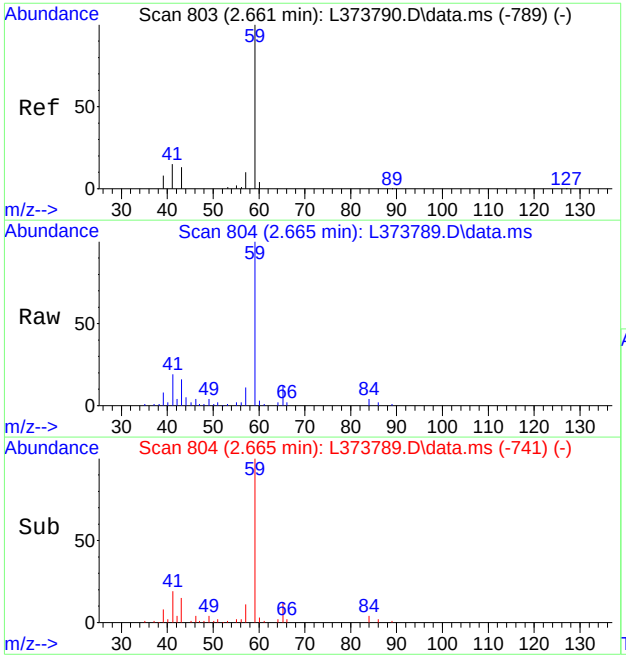


#3
ethanol
Concen: 1425.93 ug/L
RT: 2.090 min Scan# 625
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 45 Resp: 130636

Ion	Ratio	Lower	Upper
45	100		
46	37.2	18.6	58.6

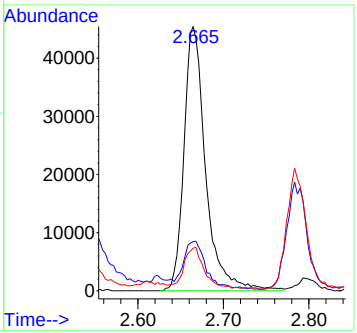


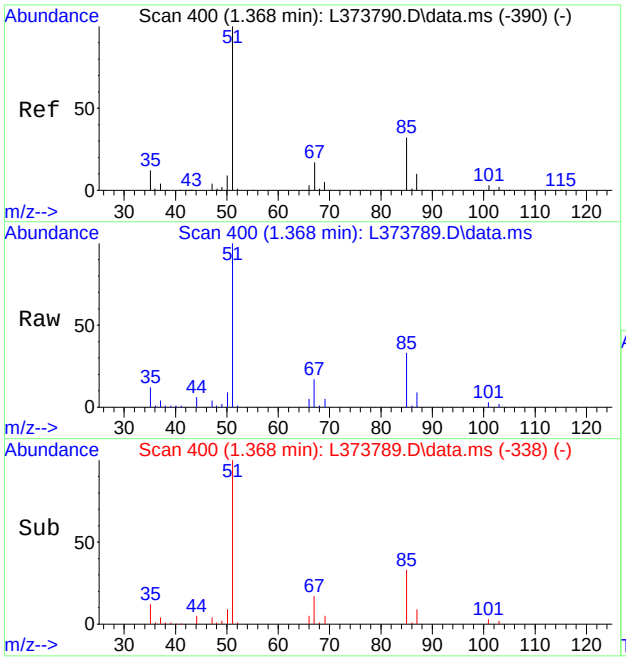


#4
tertiary butyl alcohol
Concen: 79.08 ug/L
RT: 2.665 min Scan# 804
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 59 Resp: 80211

Ion	Ratio	Lower	Upper
59	100		
41	13.8	0.0	45.3
43	13.7	0.0	43.5

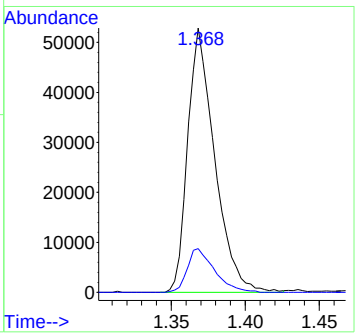


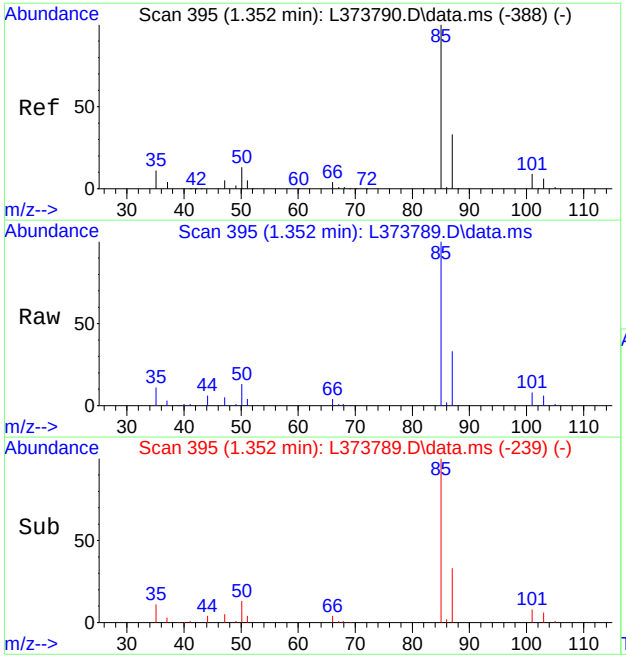


#6
chlorodifluoromethane
Concen: 17.85 ug/L
RT: 1.368 min Scan# 400
Delta R.T. 0.000 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 51 Resp: 67112

Ion	Ratio	Lower	Upper
51	100		
67	16.5	0.0	37.0

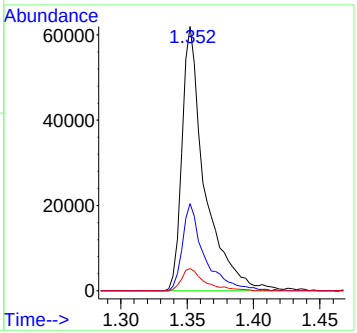


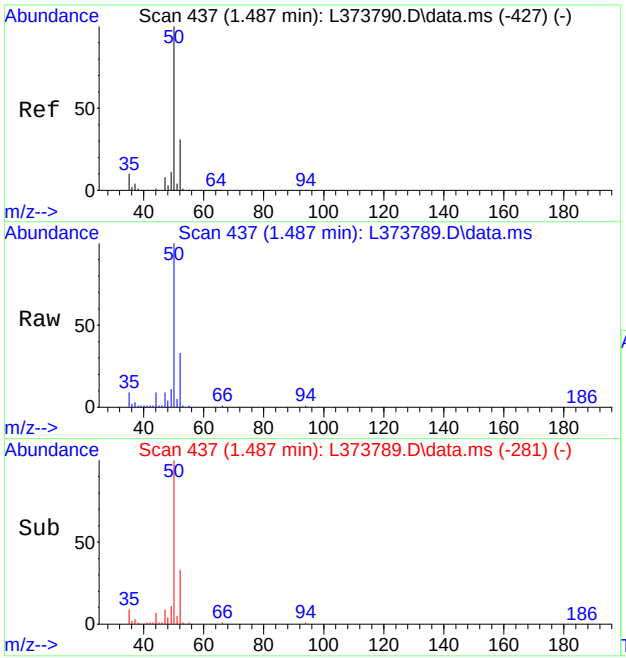


#7
dichlorodifluoromethane
Concen: 20.53 ug/L
RT: 1.352 min Scan# 395
Delta R.T. 0.000 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 85 Resp: 73991

Ion	Ratio	Lower	Upper
85	100		
87	33.0	2.8	62.8
101	8.4	0.0	38.9

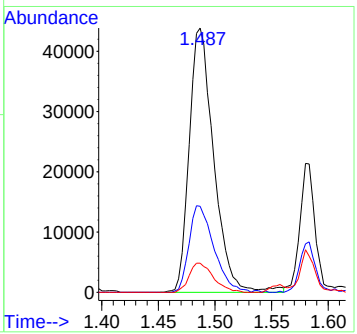


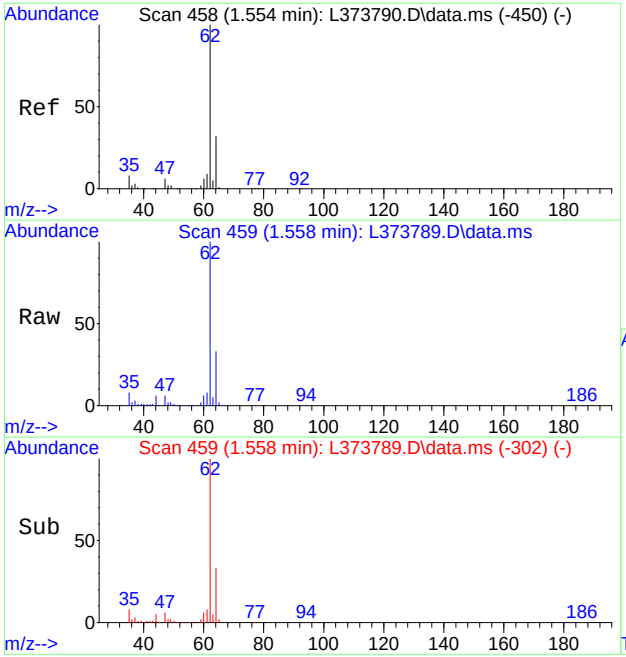


#8
chloromethane
Concen: 18.51 ug/L
RT: 1.487 min Scan# 437
Delta R.T. 0.000 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 50 Resp: 66300

Ion	Ratio	Lower	Upper
50	100		
52	32.6	1.5	61.5
49	11.0	0.0	41.1

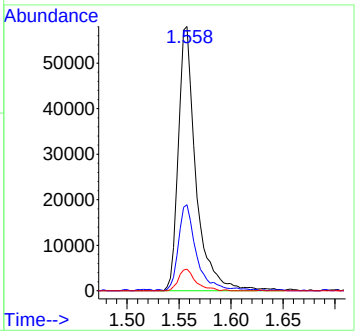


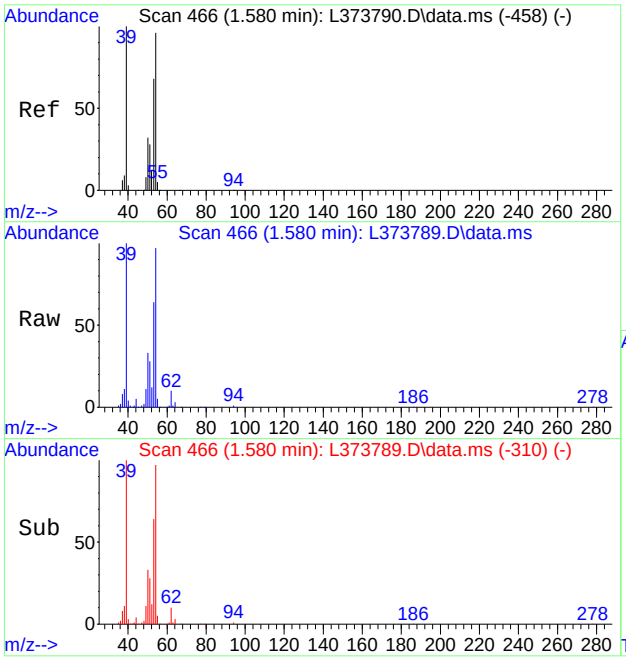


#9
vinyl chloride
Concen: 19.52 ug/L
RT: 1.558 min Scan# 459
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 62 Resp: 68155

Ion	Ratio	Lower	Upper
62	100		
64	32.2	2.2	62.2
61	8.2	0.0	38.5

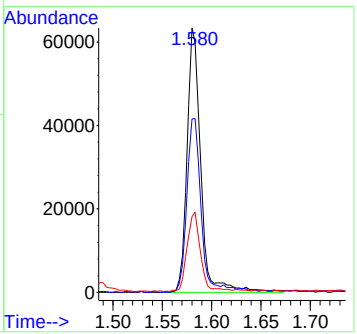


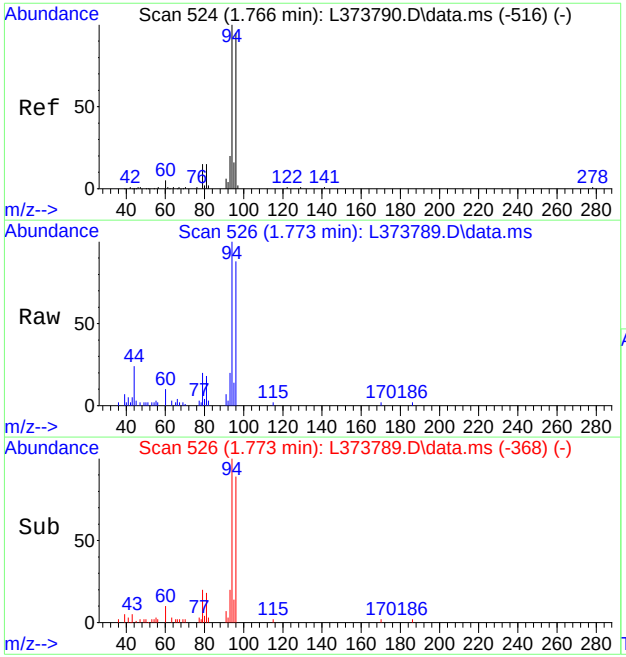


#10
1,3-butadiene
Concen: 18.04 ug/L
RT: 1.580 min Scan# 466
Delta R.T. 0.000 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 54 Resp: 61503

Ion	Ratio	Lower	Upper
54	100		
53	65.7	40.7	100.7
51	28.1	0.0	59.5

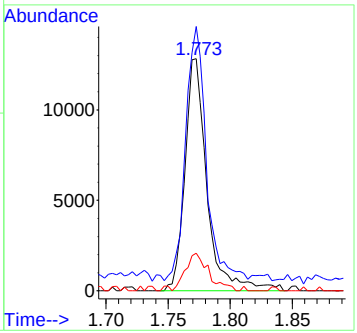


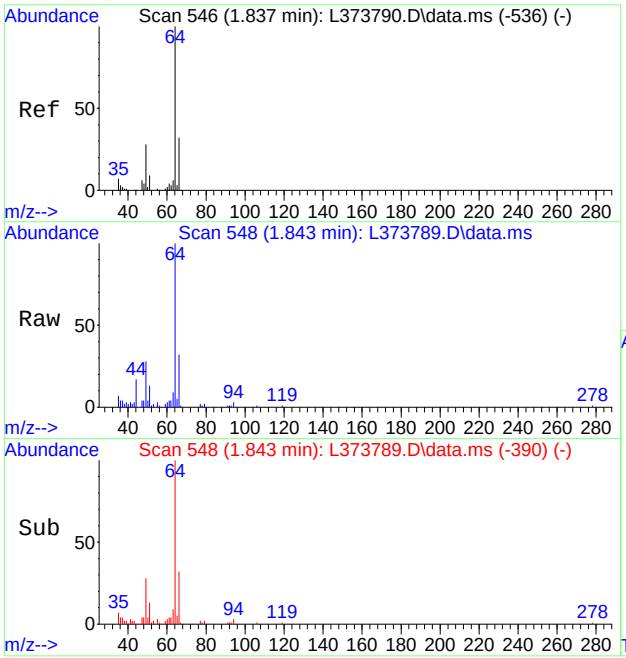


#11
bromomethane
Concen: 18.30 ug/L
RT: 1.773 min Scan# 526
Delta R.T. 0.007 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 96 Resp: 15901

Ion	Ratio	Lower	Upper
96	100		
94	109.1	76.7	136.7
95	16.2	0.0	46.3

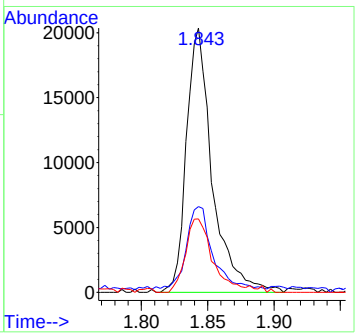


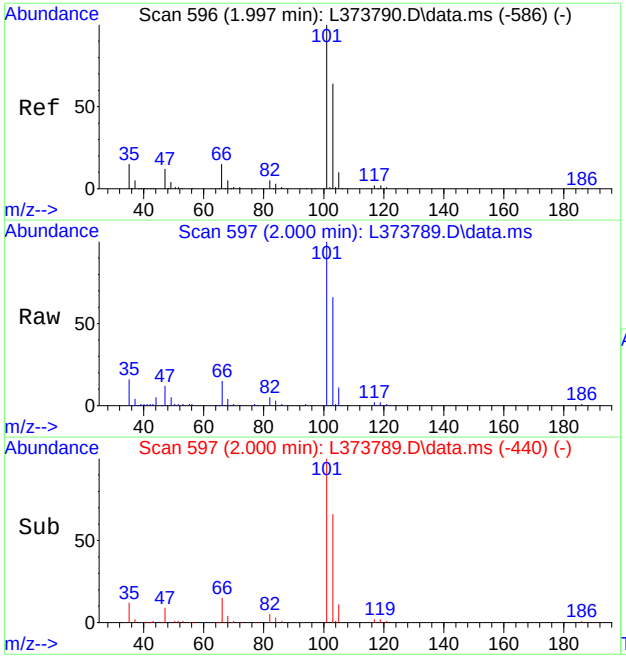


#12
chloroethane
Concen: 18.03 ug/L
RT: 1.843 min Scan# 548
Delta R.T. 0.007 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 64 Resp: 27660

Ion	Ratio	Lower	Upper
64	100		
66	30.9	1.8	61.8
49	27.7	0.0	57.7

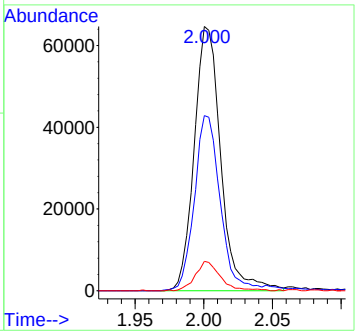


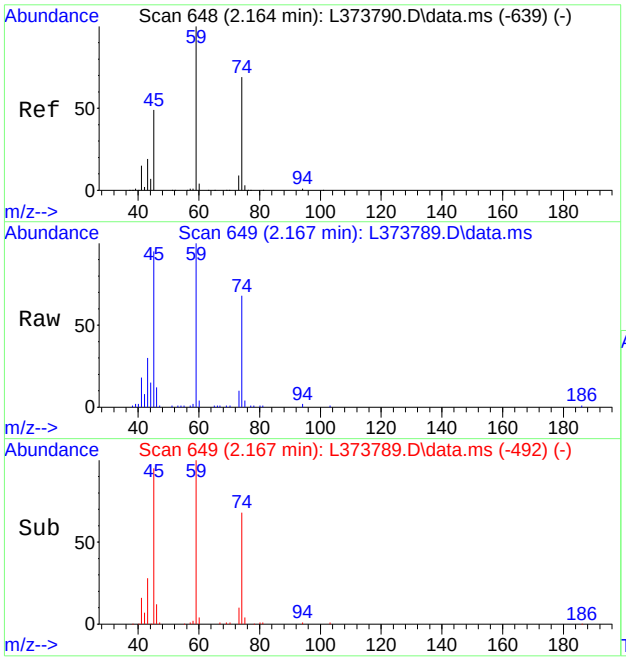


#13
trichlorofluoromethane
Concen: 20.20 ug/L
RT: 2.000 min Scan# 597
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion:101 Resp: 87344

Ion	Ratio	Lower	Upper
101	100		
103	66.3	33.8	93.8
105	11.1	0.0	40.0

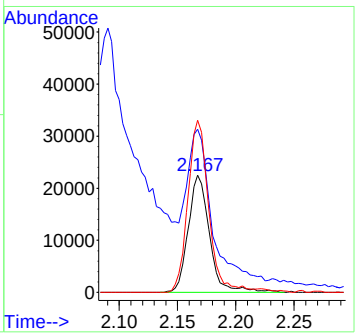


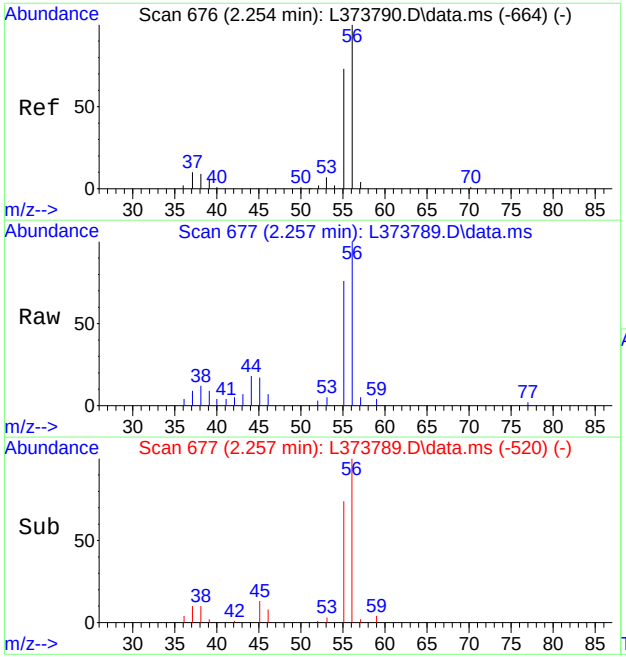


#14
ethyl ether
Concen: 19.30 ug/L
RT: 2.167 min Scan# 649
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 74 Resp: 28651

Ion	Ratio	Lower	Upper
74	100		
45	128.8	102.0	162.0
59	147.0	114.2	174.2

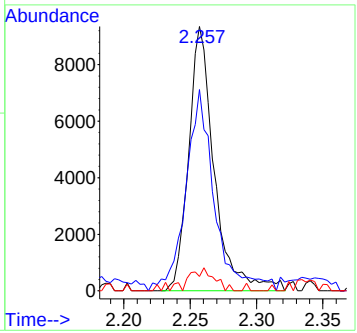


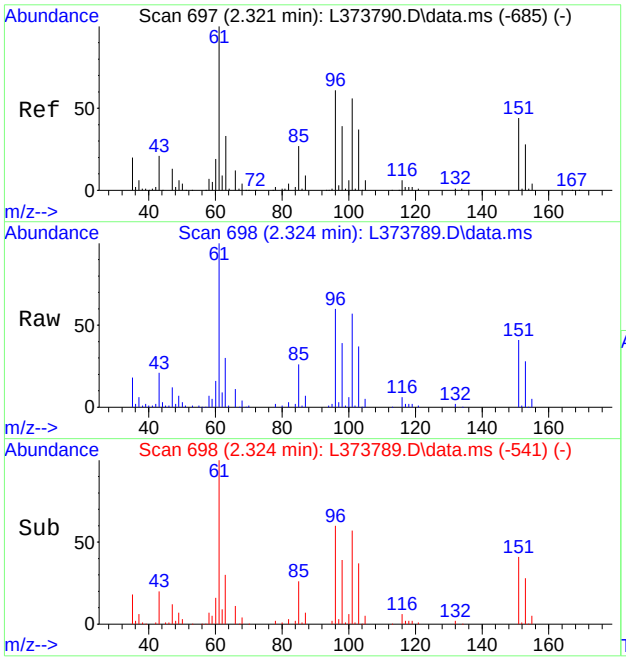


#15
acrolein
Concen: 20.45 ug/L
RT: 2.257 min Scan# 677
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 56 Resp: 12543

Ion	Ratio	Lower	Upper
56	100		
55	72.8	42.9	102.9
53	5.4	0.0	38.0

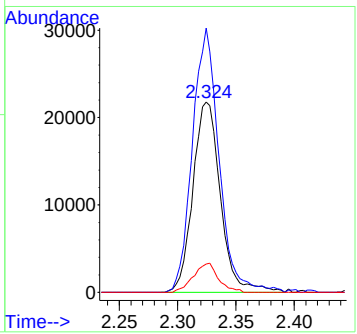


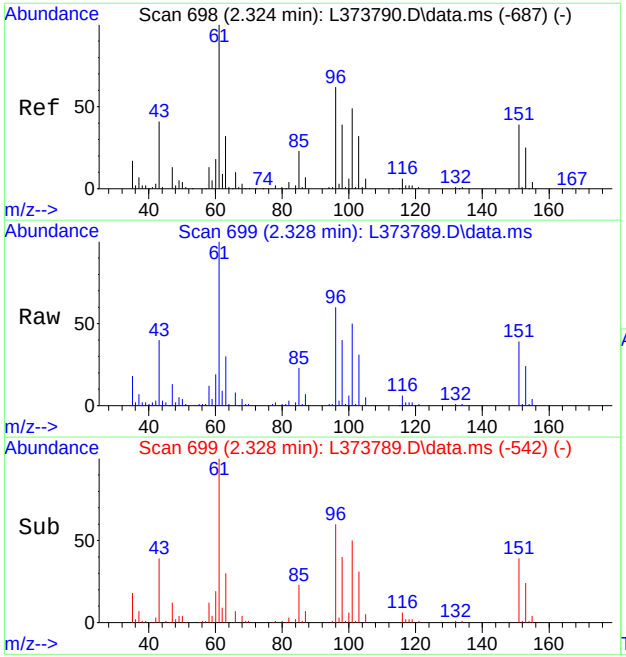


#16
freon 113
Concen: 19.27 ug/L
RT: 2.324 min Scan# 698
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion:151 Resp: 35851

Ion	Ratio	Lower	Upper
151	100		
101	138.8	107.4	147.4
116	14.8	0.0	33.9

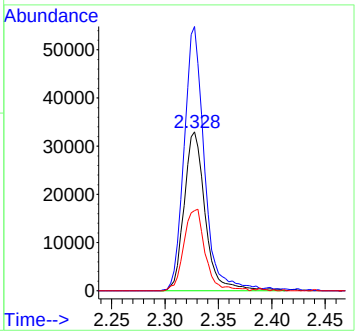


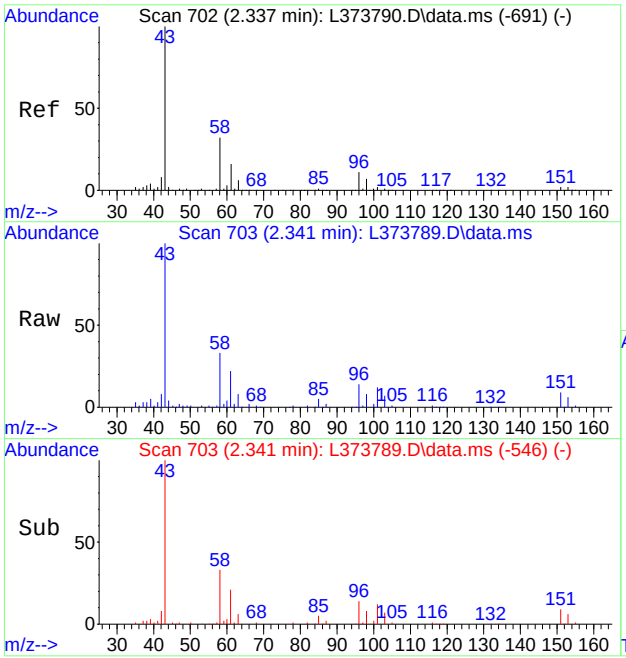


#17
1,1-dichloroethene
Concen: 19.53 ug/L
RT: 2.328 min Scan# 699
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 96 Resp: 45415

Ion	Ratio	Lower	Upper
96	100		
61	166.4	131.4	191.4
63	50.4	22.3	82.3

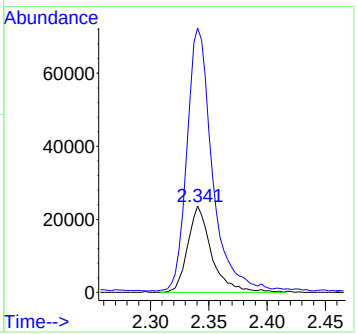


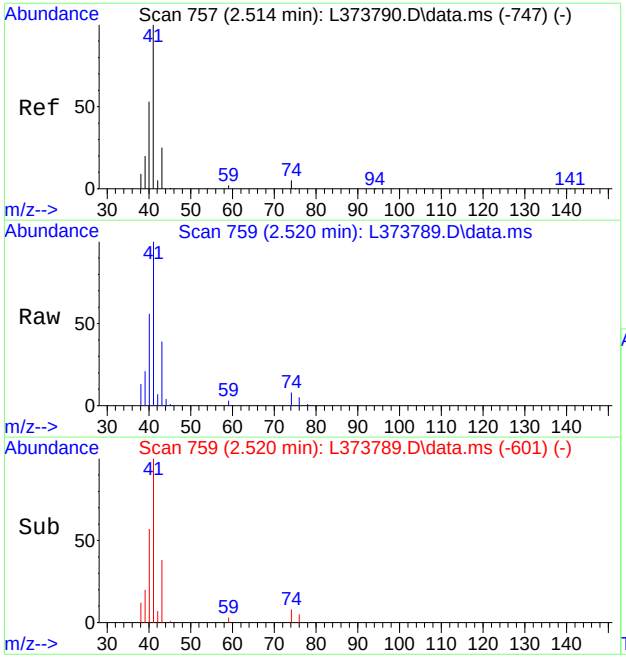


#18
acetone
Concen: 72.69 ug/L
RT: 2.341 min Scan# 703
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 58 Resp: 33730

Ion	Ratio	Lower	Upper
58	100		
43	303.9	286.5	346.5

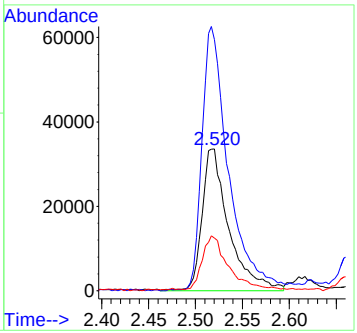


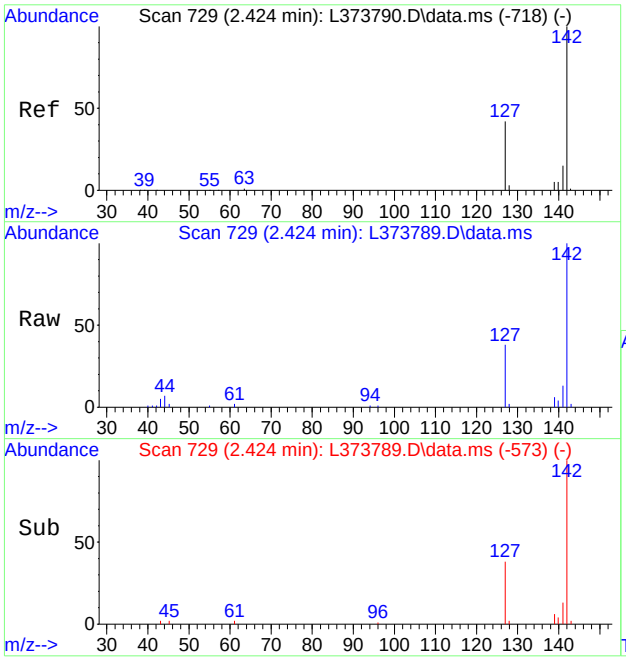


#19
acetonitrile
Concen: 191.24 ug/L
RT: 2.520 min Scan# 759
Delta R.T. 0.007 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 40 Resp: 66914

Ion	Ratio	Lower	Upper
40	100		
41	177.0	158.5	218.5
39	36.2	8.2	68.2

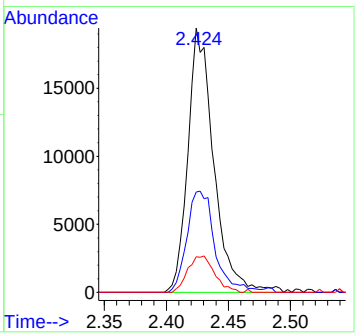


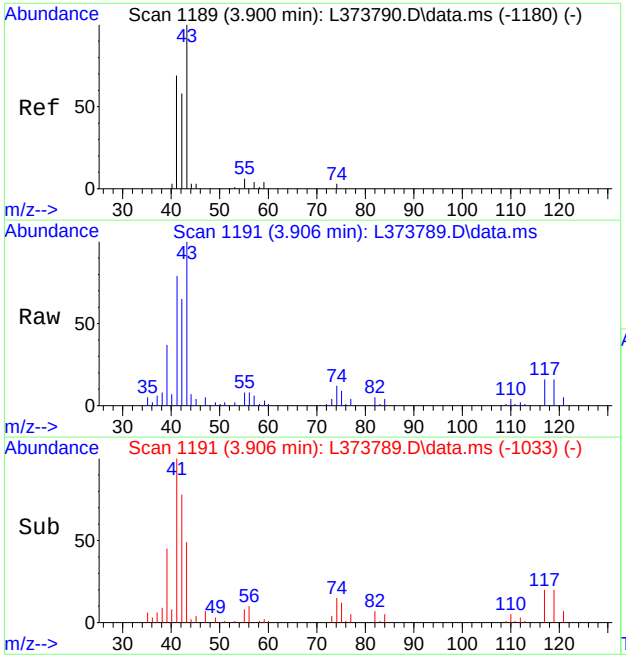


#20
iodomethane
Concen: 21.57 ug/L
RT: 2.424 min Scan# 729
Delta R.T. 0.000 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion:142 Resp: 28126

Ion	Ratio	Lower	Upper
142	100		
127	37.9	12.2	72.2
141	13.5	0.0	44.6

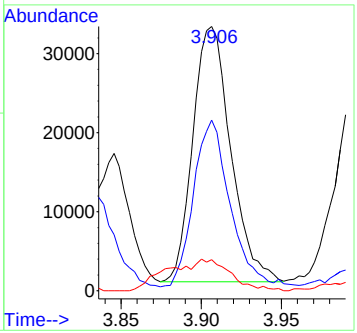


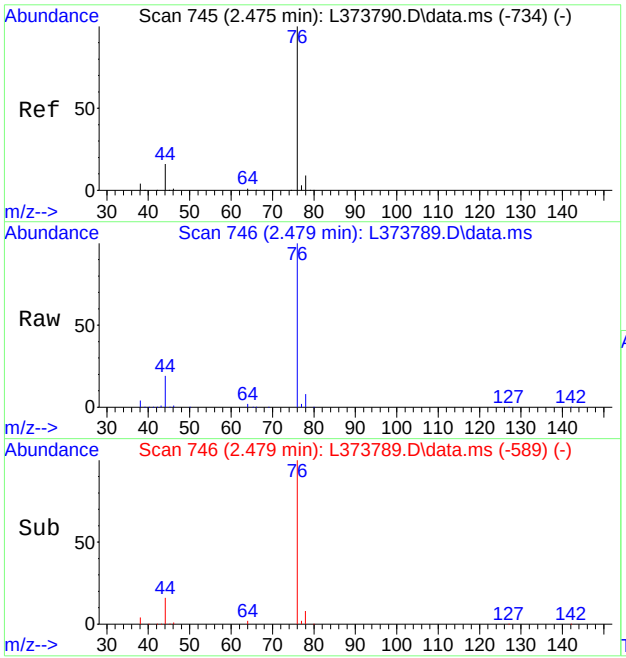


#21
iso-butyl alcohol
Concen: 161.79 ug/L
RT: 3.906 min Scan# 1191
Delta R.T. 0.007 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 43 Resp: 53257

Ion	Ratio	Lower	Upper
43	100		
42	65.3	28.3	88.3
74	12.2	0.0	40.9

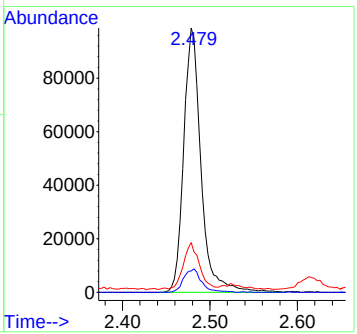


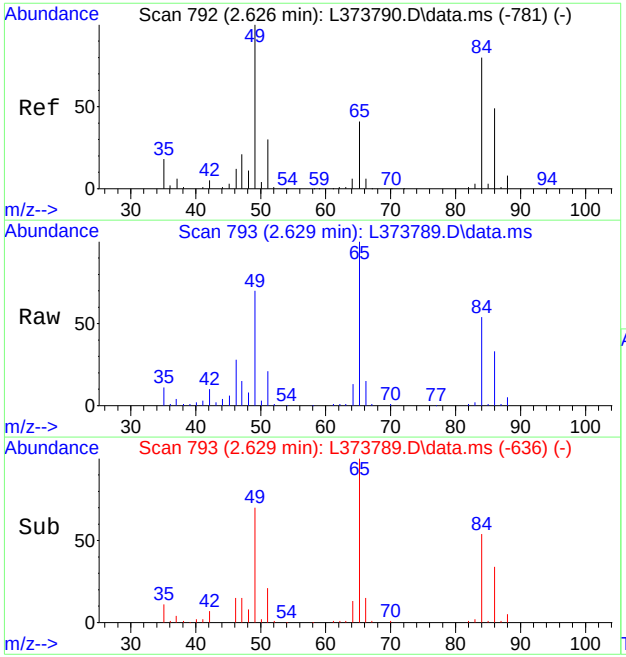


#22
carbon disulfide
Concen: 18.18 ug/L
RT: 2.479 min Scan# 746
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 76 Resp: 136404

Ion	Ratio	Lower	Upper
76	100		
78	8.1	0.0	38.9
44	17.6	0.0	46.1

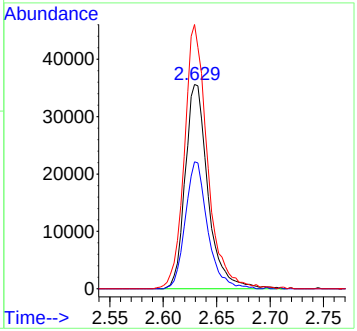


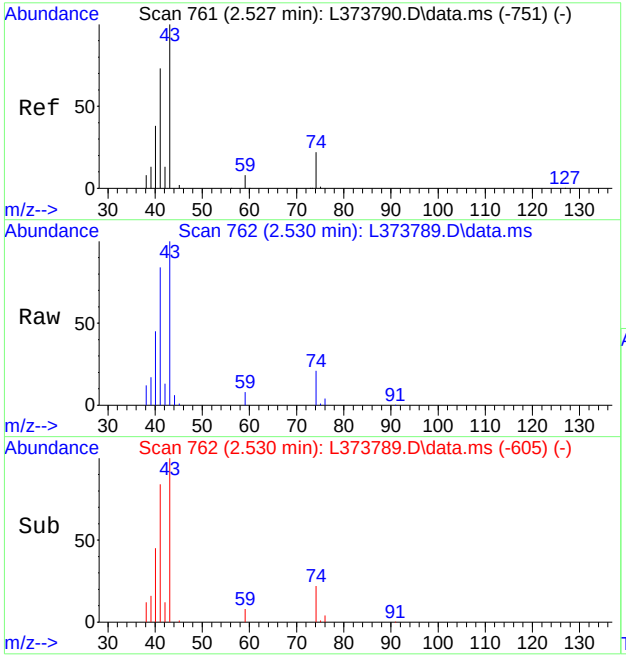


#23
methylene chloride
Concen: 17.91 ug/L
RT: 2.629 min Scan# 793
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 84 Resp: 52998

Ion	Ratio	Lower	Upper
84	100		
86	62.1	31.2	91.2
49	128.7	95.6	155.6

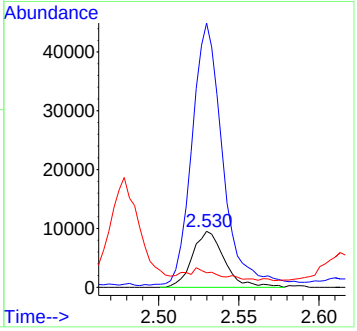


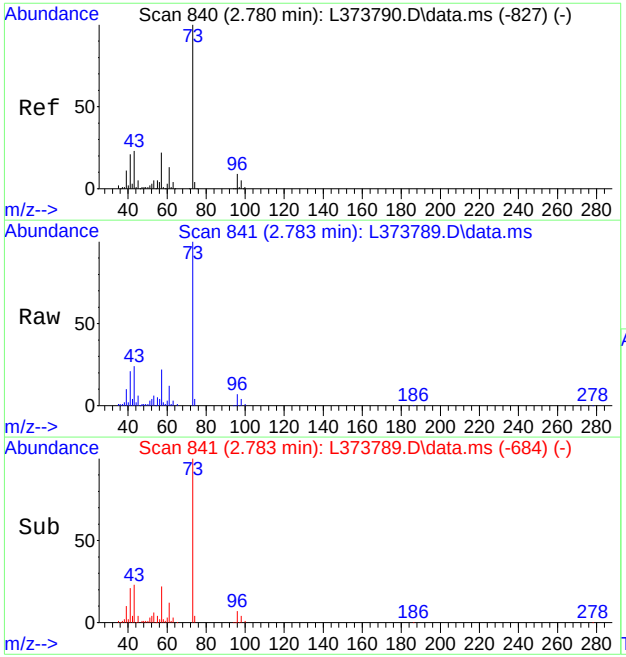


#24
methyl acetate
Concen: 18.17 ug/L
RT: 2.530 min Scan# 762
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 74 Resp: 13226

Ion	Ratio	Lower	Upper
74	100		
43	464.8	417.7	477.7
44	13.2	0.0	39.0

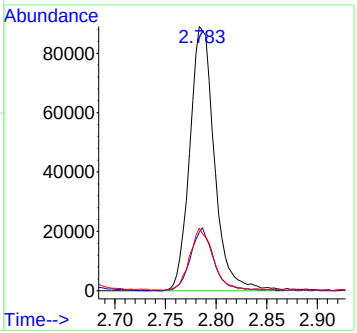


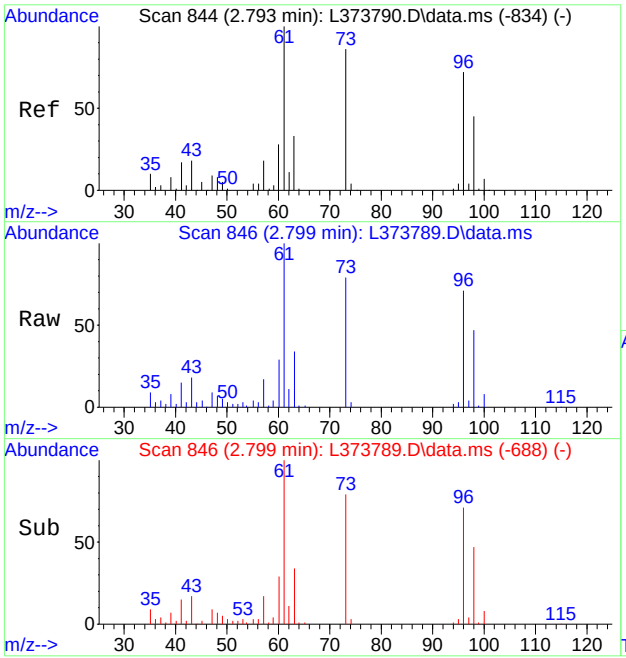


#25
methyl tert butyl ether
Concen: 20.05 ug/L
RT: 2.783 min Scan# 841
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 73 Resp: 150751

Ion	Ratio	Lower	Upper
73	100		
57	22.2	0.0	52.4
43	23.3	0.0	52.7

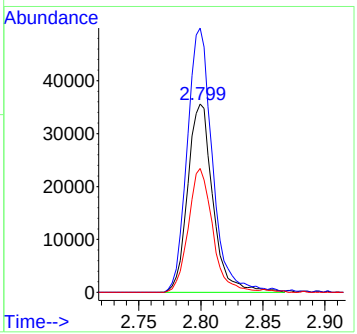


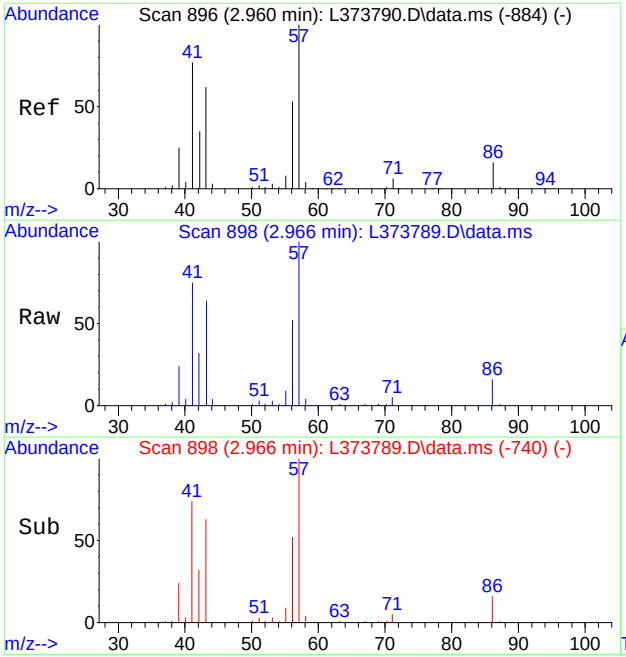


#26
trans-1,2-dichloroethene
Concen: 18.96 ug/L
RT: 2.799 min Scan# 846
Delta R.T. 0.007 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 96 Resp: 50322

Ion	Ratio	Lower	Upper
96	100		
61	140.4	109.1	169.1
98	65.8	32.0	92.0

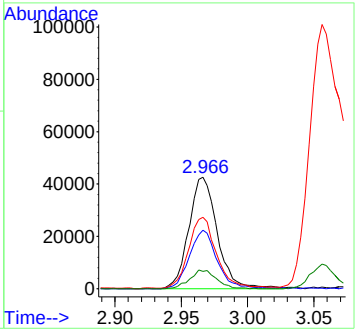


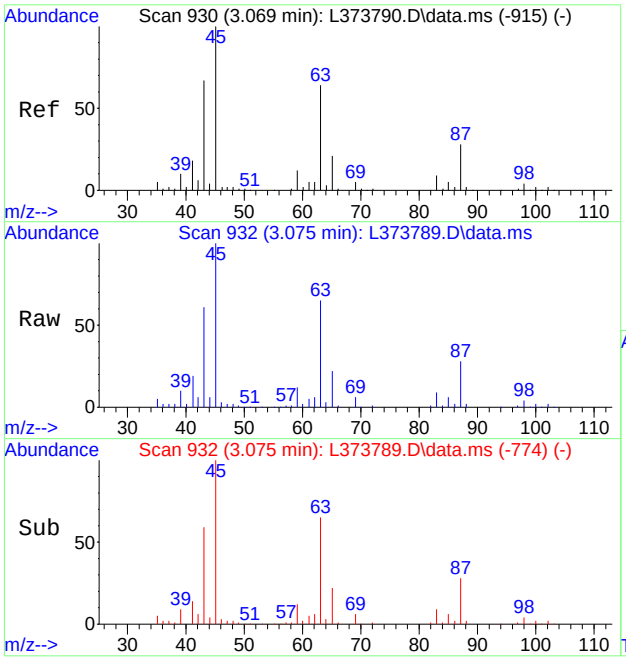


#27
hexane
Concen: 19.99 ug/L
RT: 2.966 min Scan# 898
Delta R.T. 0.007 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 57 Resp: 63819

Ion	Ratio	Lower	Upper
57	100		
56	52.5	32.9	72.9
43	63.6	41.9	81.9
86	15.6	0.0	36.3

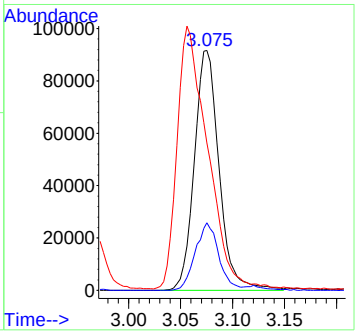


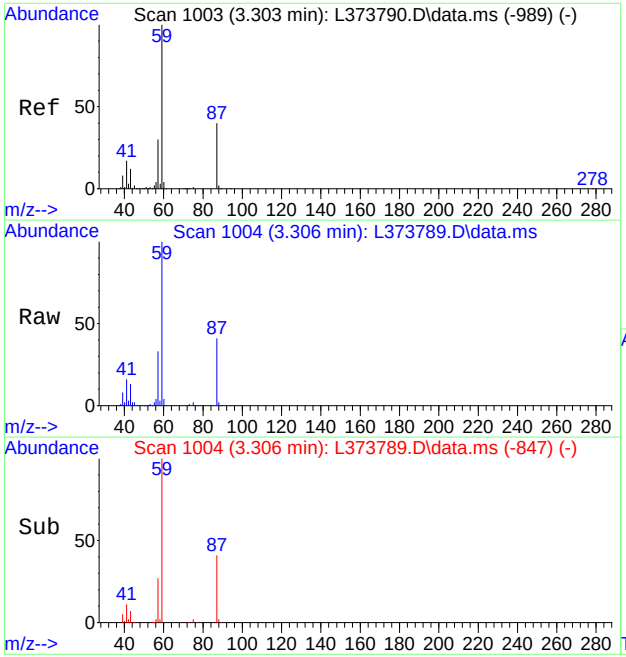


#28
di-isopropyl ether
Concen: 19.19 ug/L
RT: 3.075 min Scan# 932
Delta R.T. 0.007 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 45 Resp: 152089

Ion	Ratio	Lower	Upper
45	100		
87	28.2	0.0	57.5
43	60.0	37.5	97.5

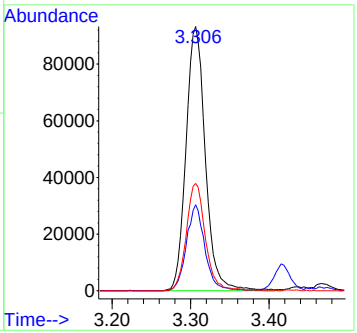


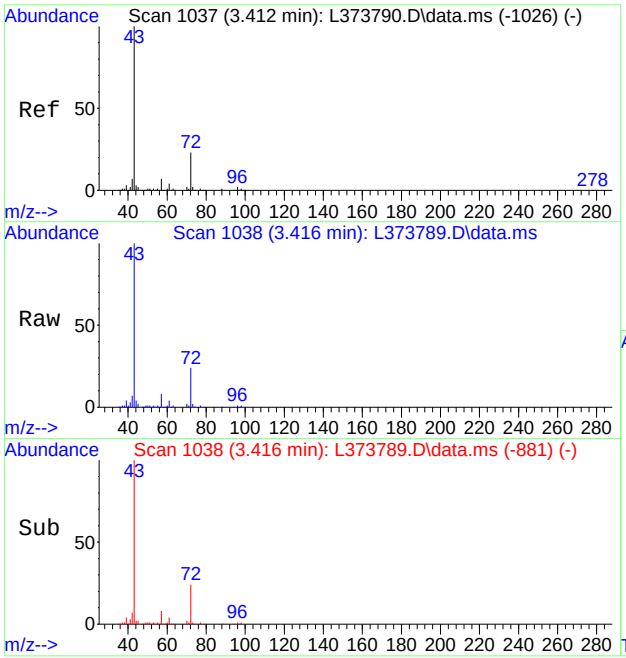


#29
ethyl tert-butyl ether
Concen: 19.86 ug/L
RT: 3.306 min Scan# 1004
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 59 Resp: 160340

Ion	Ratio	Lower	Upper
59	100		
57	32.5	0.3	60.3
87	40.6	9.6	69.6

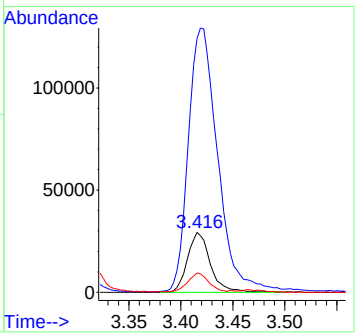


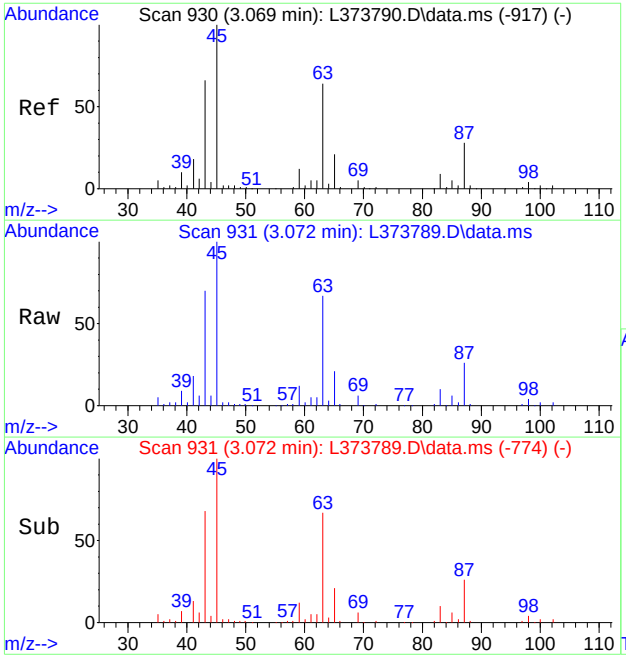


#30
2-butanone
Concen: 80.96 ug/L
RT: 3.416 min Scan# 1038
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 72 Resp: 45168

Ion	Ratio	Lower	Upper
72	100		
43	421.8	411.9	471.9
57	31.5	2.4	62.4

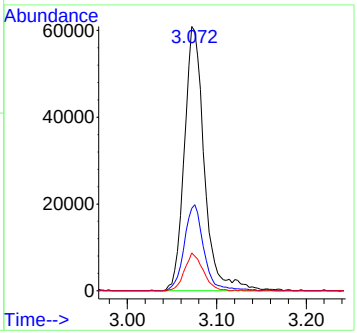


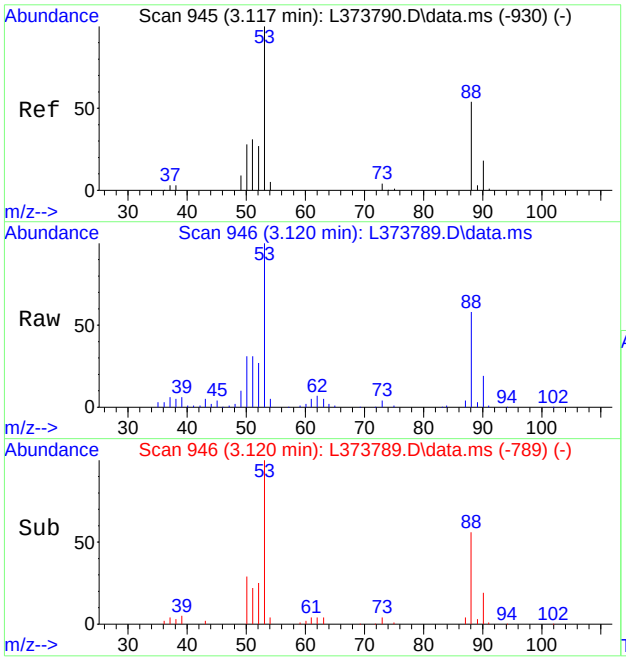


#31
1,1-dichloroethane
Concen: 18.89 ug/L
RT: 3.072 min Scan# 931
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 63 Resp: 94731

Ion	Ratio	Lower	Upper
63	100		
65	31.2	2.5	62.5
83	14.3	0.0	43.5

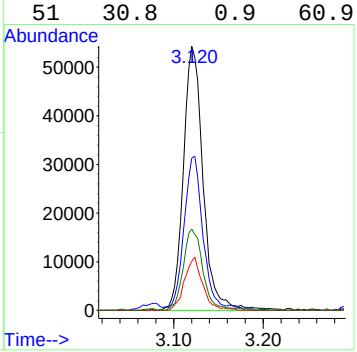


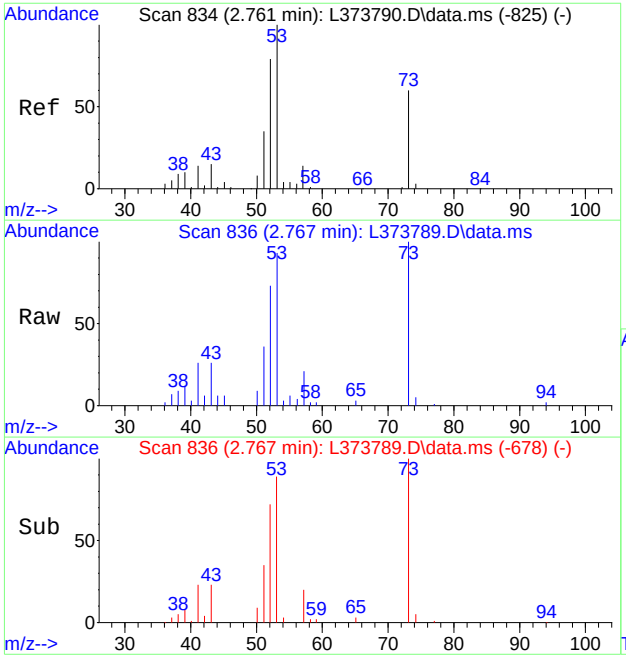


#32
chloroprene
Concen: 20.00 ug/L
RT: 3.120 min Scan# 946
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 53 Resp: 83524

Ion	Ratio	Lower	Upper
53	100		
88	57.6	26.2	86.2
90	18.6	0.0	47.9
51	30.8	0.9	60.9

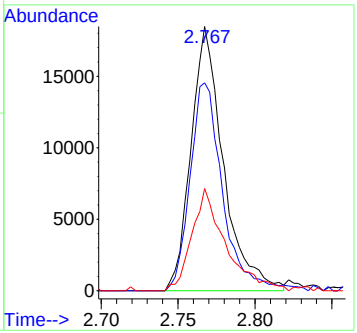


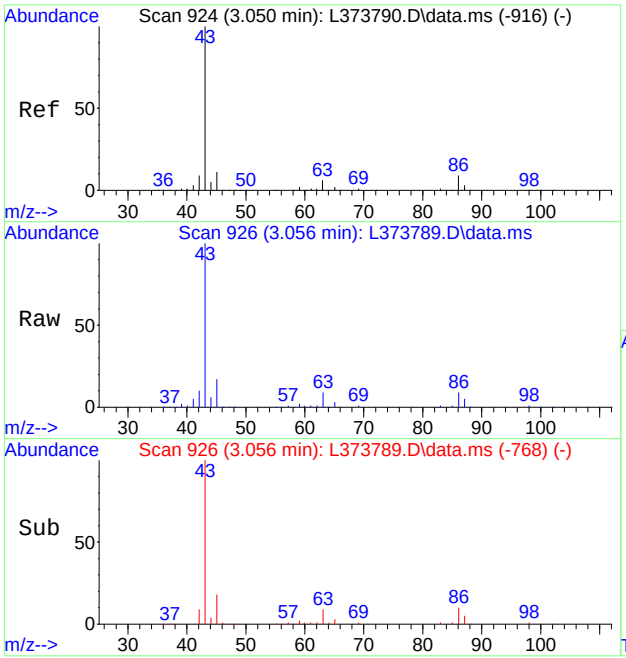


#33
acrylonitrile
Concen: 19.84 ug/L
RT: 2.767 min Scan# 836
Delta R.T. 0.007 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 53 Resp: 26984

Ion	Ratio	Lower	Upper
53	100		
52	78.6	48.8	108.8
51	38.7	4.6	64.6

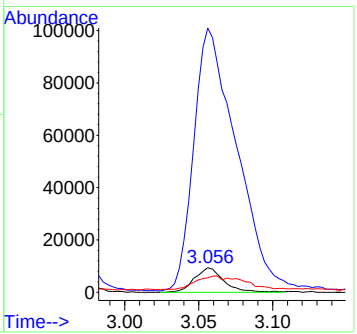


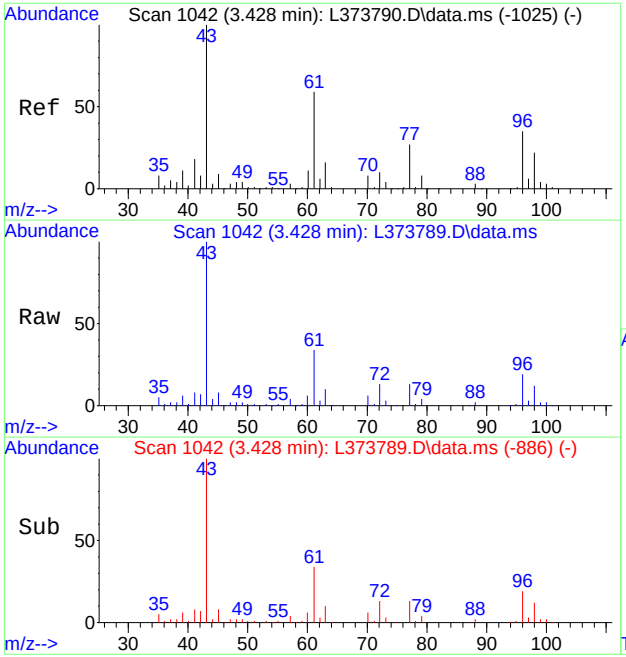


#34
vinyl acetate
Concen: 20.49 ug/L
RT: 3.056 min Scan# 926
Delta R.T. 0.007 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 86 Resp: 13096

Ion	Ratio	Lower	Upper
86	100		
43	1069.4	1076.3	1136.3#
44	47.3	23.6	83.6

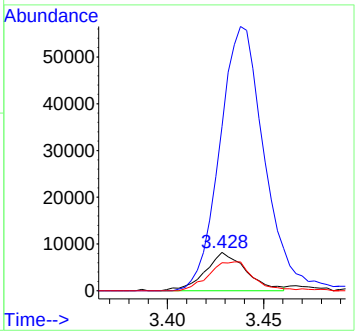


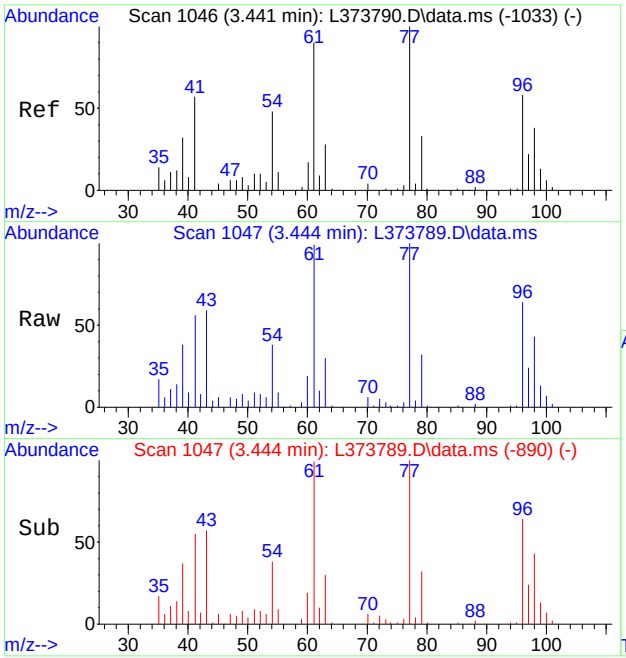


#35
ethyl acetate
Concen: 16.97 ug/L
RT: 3.428 min Scan# 1042
Delta R.T. 0.000 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 45 Resp: 12193

Ion	Ratio	Lower	Upper
45	100		
61	428.4	598.6	658.6#
70	72.9	53.6	113.6

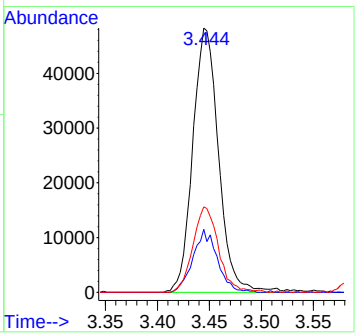


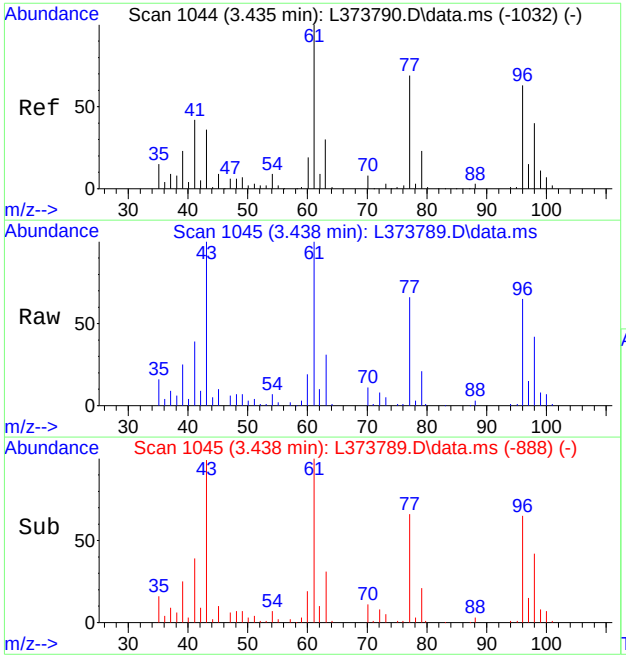


#36
2,2-dichloropropane
Concen: 18.36 ug/L
RT: 3.444 min Scan# 1047
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 77 Resp: 83615

Ion	Ratio	Lower	Upper
77	100		
97	23.8	0.0	52.3
79	32.3	3.0	63.0

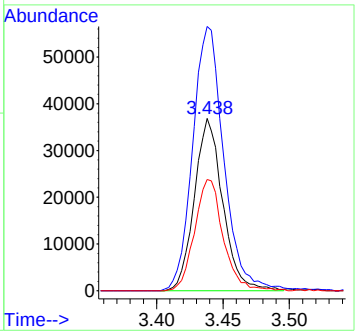


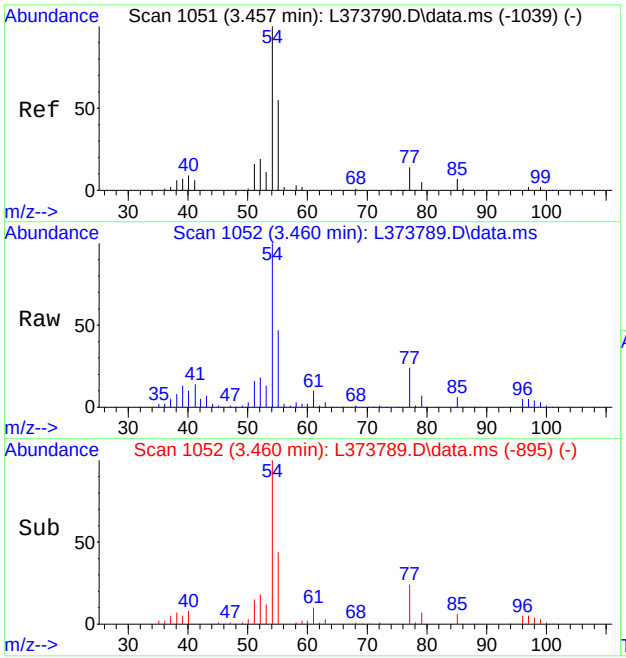


#37
cis-1,2-dichloroethene
Concen: 18.69 ug/L
RT: 3.438 min Scan# 1045
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 96 Resp: 54962

Ion	Ratio	Lower	Upper
96	100		
61	153.4	128.7	188.7
98	64.5	34.1	94.1

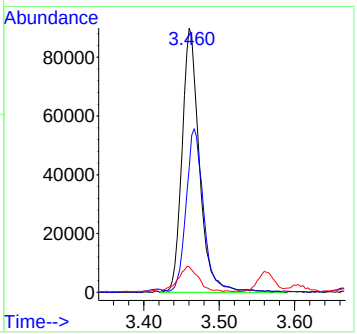


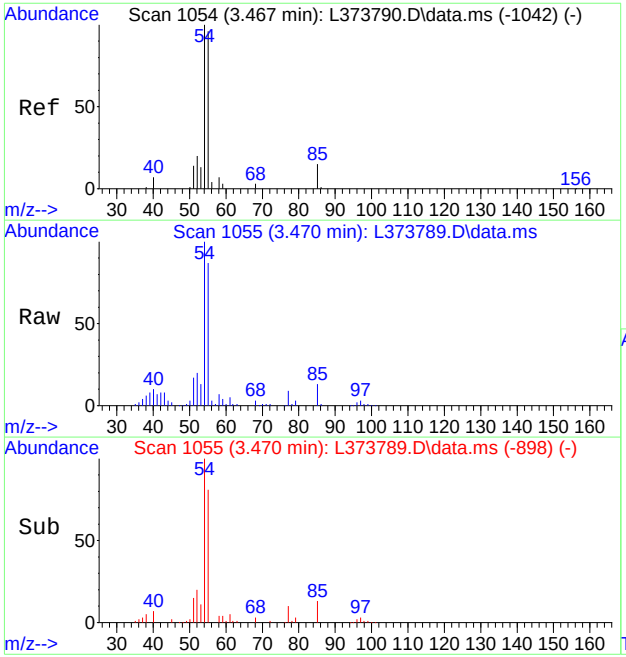


#38
propionitrile
Concen: 181.03 ug/L
RT: 3.460 min Scan# 1052
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 54 Resp: 144130

Ion	Ratio	Lower	Upper
54	100		
55	46.7	25.4	85.4
40	8.5	0.0	39.0

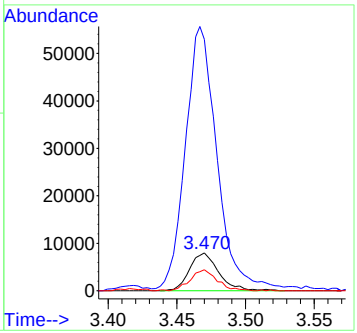


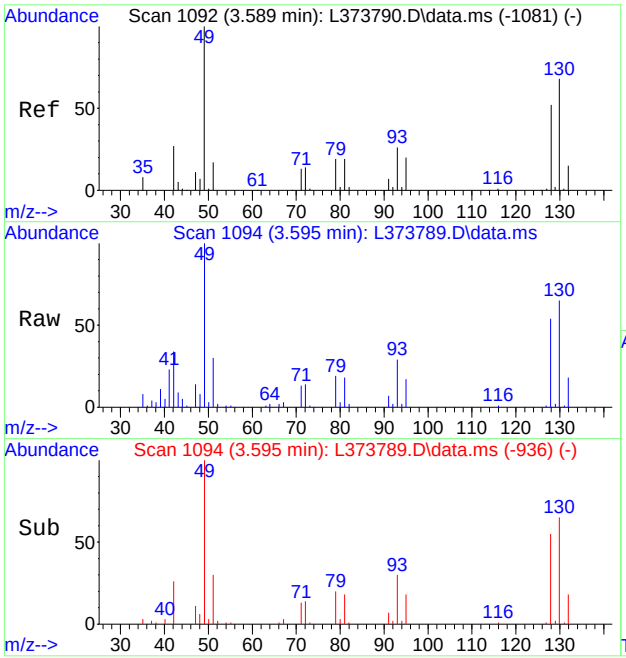


#39
methyl acrylate
Concen: 20.16 ug/L
RT: 3.470 min Scan# 1055
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 85 Resp: 11829

Ion	Ratio	Lower	Upper
85	100		
55	653.1	639.4	679.4
58	55.5	29.8	69.8

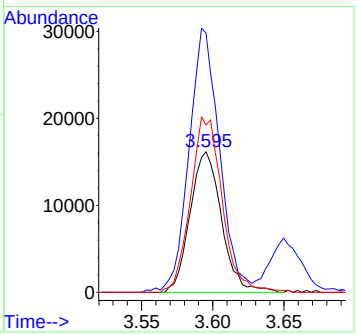


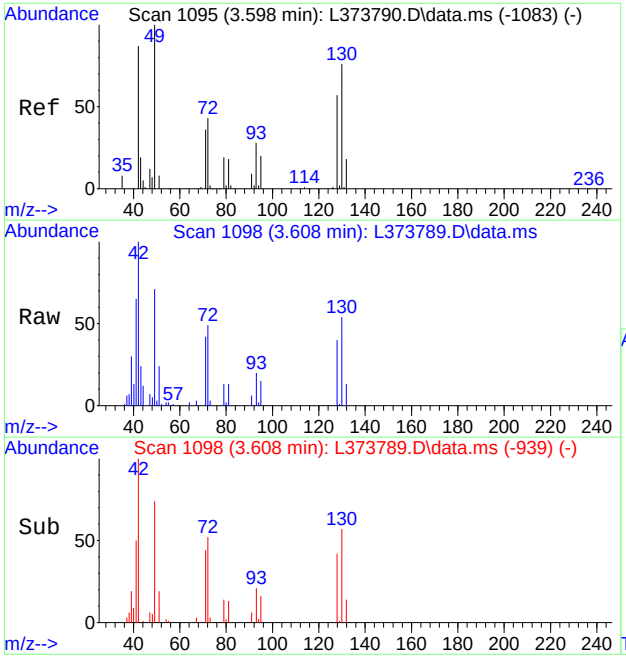


#40
bromochloromethane
Concen: 18.98 ug/L
RT: 3.595 min Scan# 1094
Delta R.T. 0.007 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion:128 Resp: 24848

Ion	Ratio	Lower	Upper
128	100		
49	182.6	163.3	223.3
130	118.8	100.3	160.3

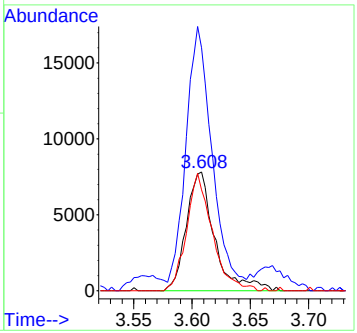


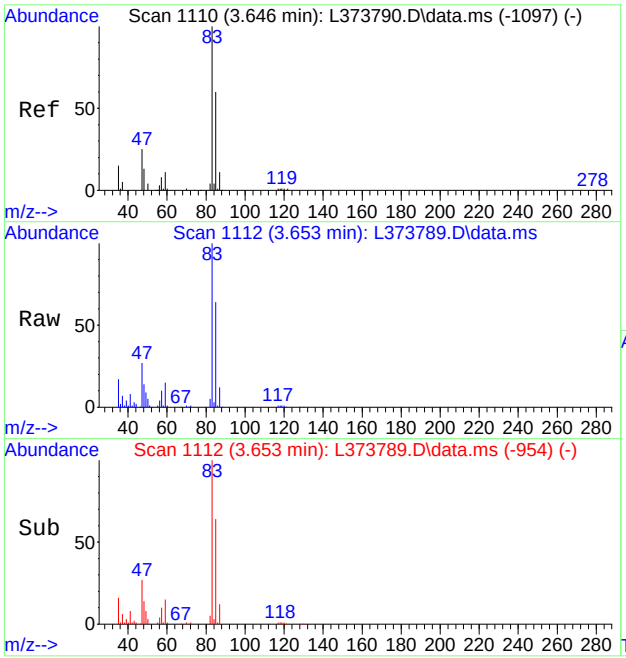


#41
tetrahydrofuran
Concen: 18.36 ug/L
RT: 3.608 min Scan# 1098
Delta R.T. 0.010 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 72 Resp: 13290

Ion	Ratio	Lower	Upper
72	100		
42	194.8	183.3	243.3
71	85.0	53.5	113.5

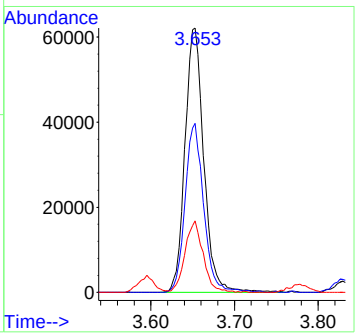


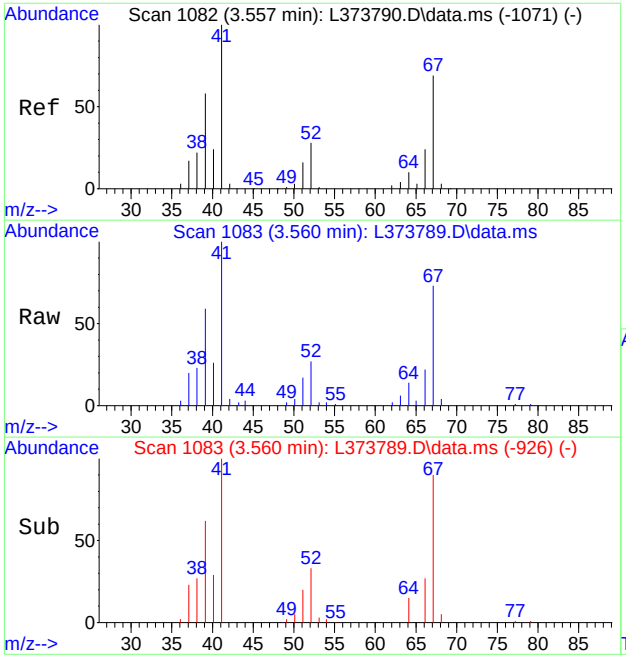


#42
chloroform
Concen: 16.66 ug/L
RT: 3.653 min Scan# 1112
Delta R.T. 0.007 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 83 Resp: 97286

Ion	Ratio	Lower	Upper
83	100		
85	63.9	29.7	89.7
47	26.4	0.0	54.6

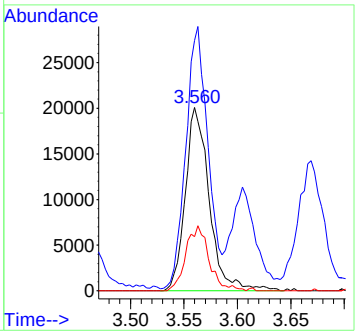


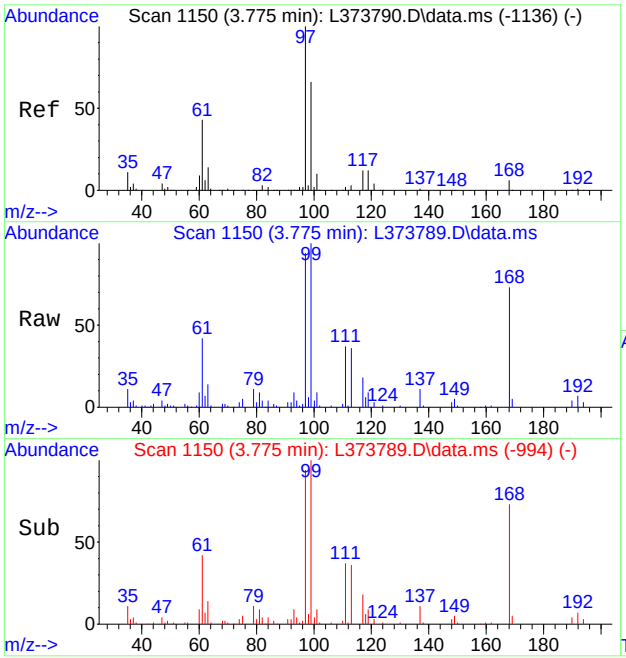


#44
methacrylonitrile
Concen: 18.82 ug/L
RT: 3.560 min Scan# 1083
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 67 Resp: 31292

Ion	Ratio	Lower	Upper
67	100		
41	135.4	115.3	175.3
66	29.6	4.3	64.3

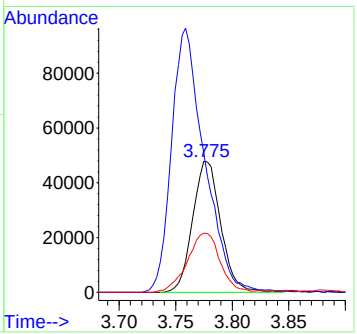


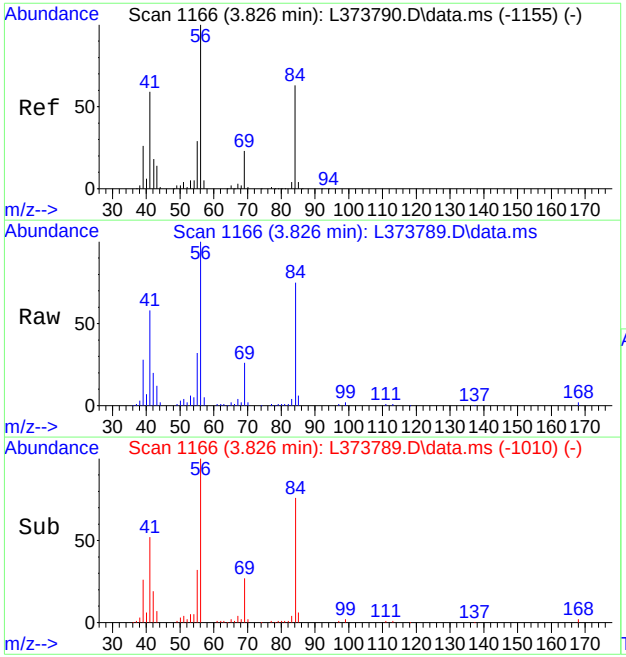


#45
1,1,1-trichloroethane
Concen: 18.85 ug/L
RT: 3.775 min Scan# 1150
Delta R.T. 0.000 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 97 Resp: 82854

Ion	Ratio	Lower	Upper
97	100		
99	105.3	41.0	101.0#
61	43.6	12.9	72.9

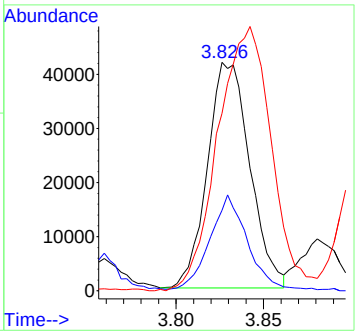


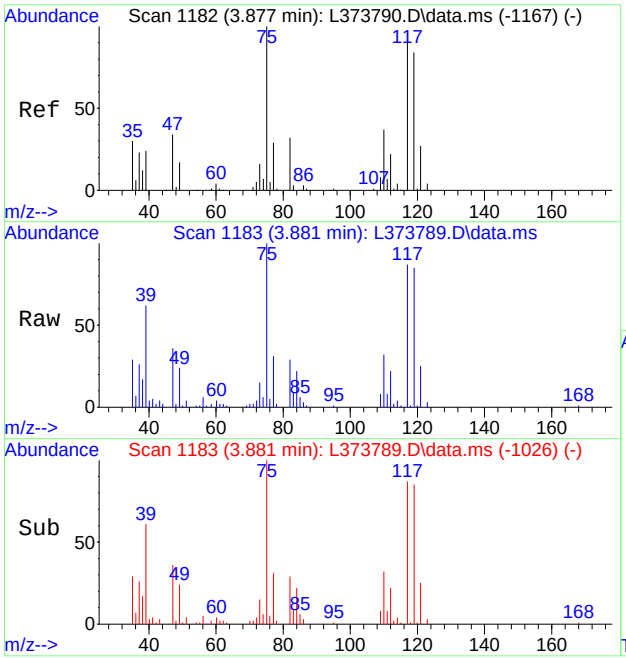


#46
cyclohexane
Concen: 19.69 ug/L
RT: 3.826 min Scan# 1166
Delta R.T. 0.000 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 84 Resp: 70503

Ion	Ratio	Lower	Upper
84	100		
69	34.8	16.2	56.2
41	78.1	73.6	113.6

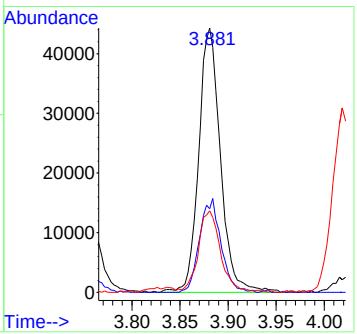


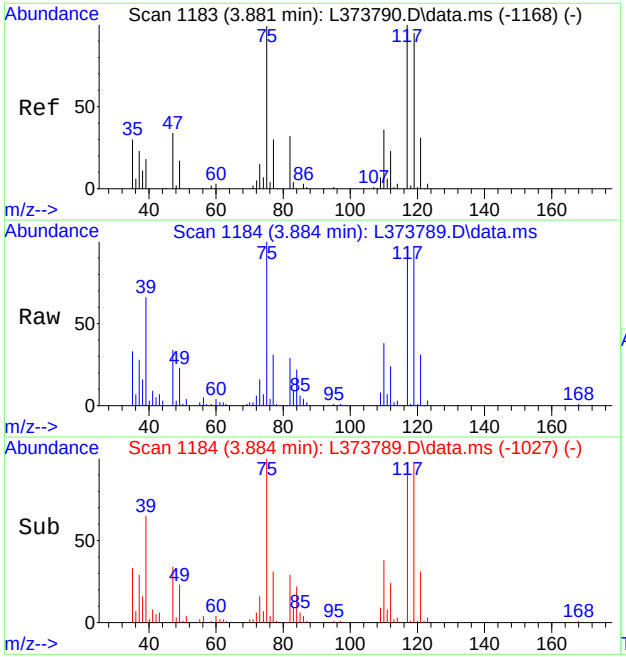


#47
1,1-dichloropropene
Concen: 20.18 ug/L
RT: 3.881 min Scan# 1183
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 75 Resp: 69823

Ion	Ratio	Lower	Upper
75	100		
110	31.6	17.0	57.0
77	30.9	10.2	50.2

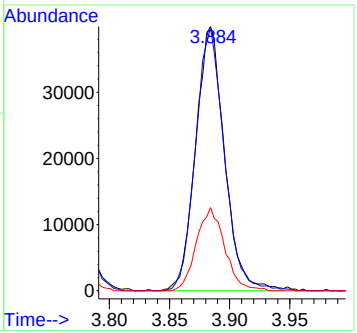


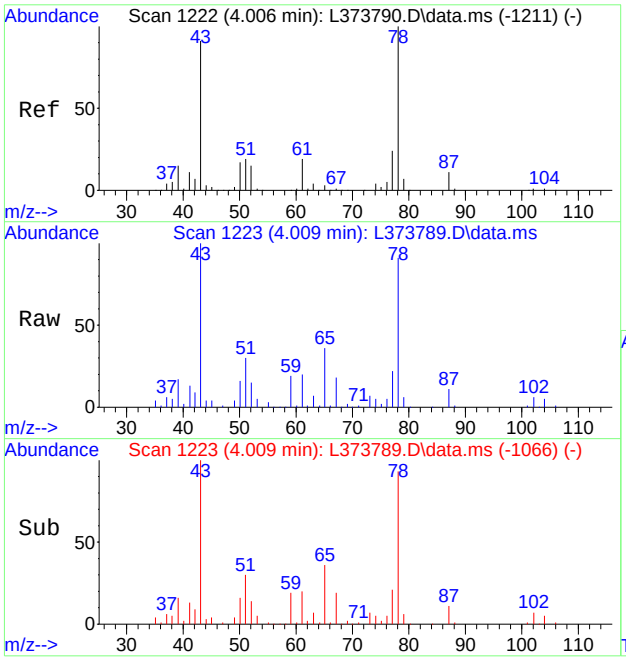


#48
carbon tetrachloride
Concen: 18.89 ug/L
RT: 3.884 min Scan# 1184
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion:117 Resp: 66914

Ion	Ratio	Lower	Upper
117	100		
119	99.5	74.4	114.4
121	31.5	10.8	50.8

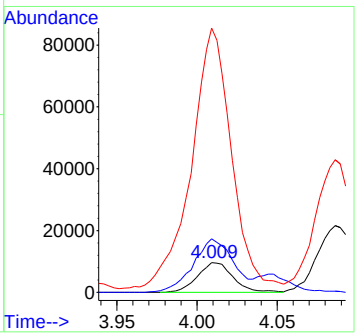


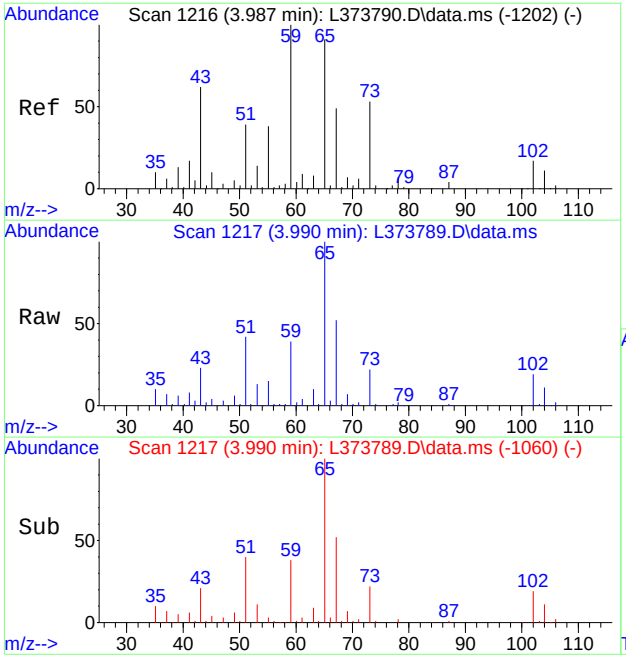


#49
isopropyl acetate
Concen: 18.97 ug/L
RT: 4.009 min Scan# 1223
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 87 Resp: 14869

Ion	Ratio	Lower	Upper
87	100		
61	174.0	152.1	192.1
43	864.3	844.1	904.1

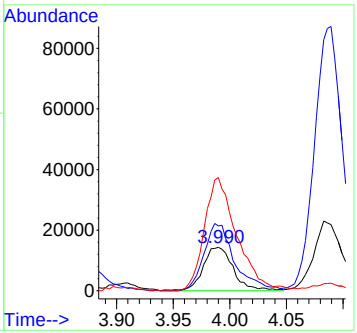


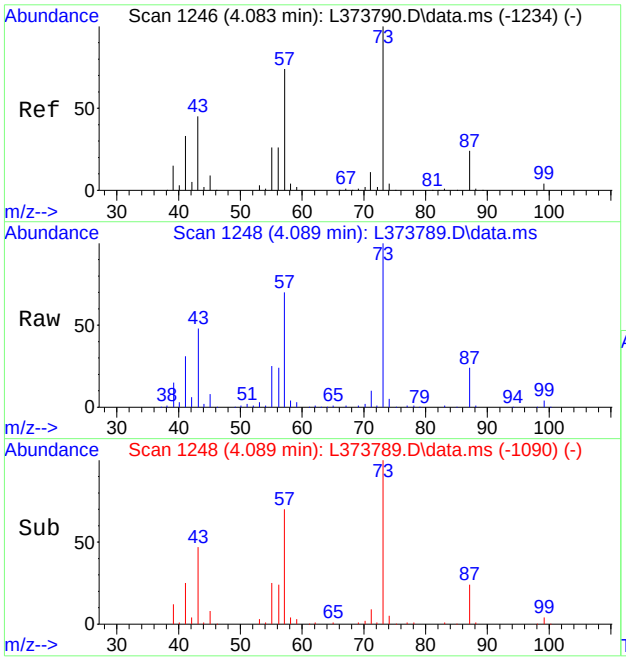


#50
tert amyl alcohol
Concen: 80.61 ug/L
RT: 3.990 min Scan# 1217
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 55 Resp: 26801

Ion	Ratio	Lower	Upper
55	100		
73	148.6	119.2	159.2
59	260.0	242.0	282.0

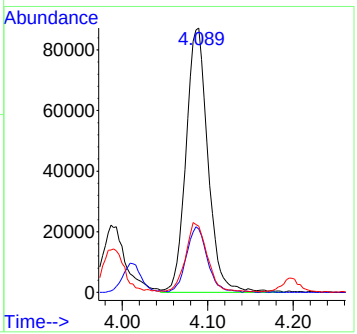


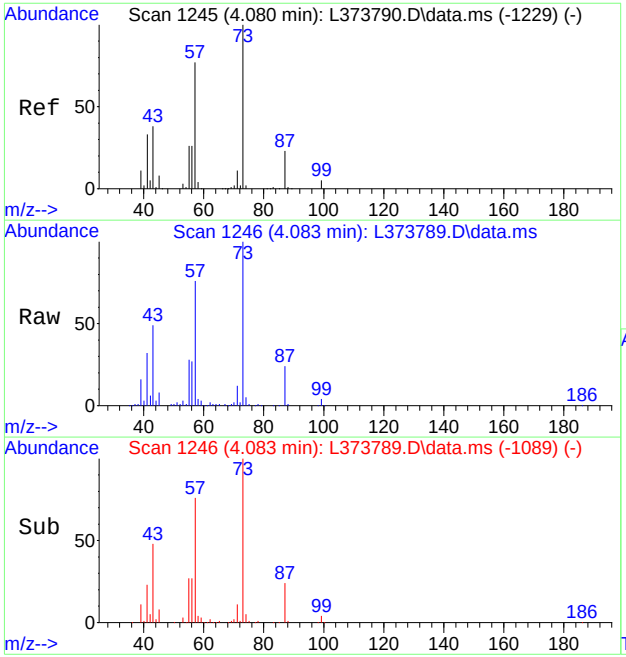


#53
tert-amyl methyl ether
Concen: 18.68 ug/L
RT: 4.089 min Scan# 1248
Delta R.T. 0.007 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 73 Resp: 155418

Ion	Ratio	Lower	Upper
73	100		
87	24.0	4.6	44.6
55	24.5	5.7	45.7

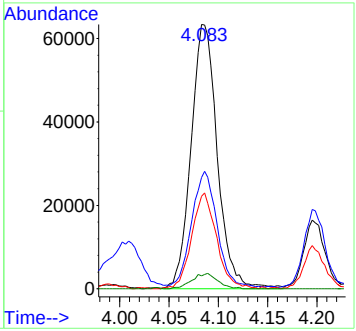


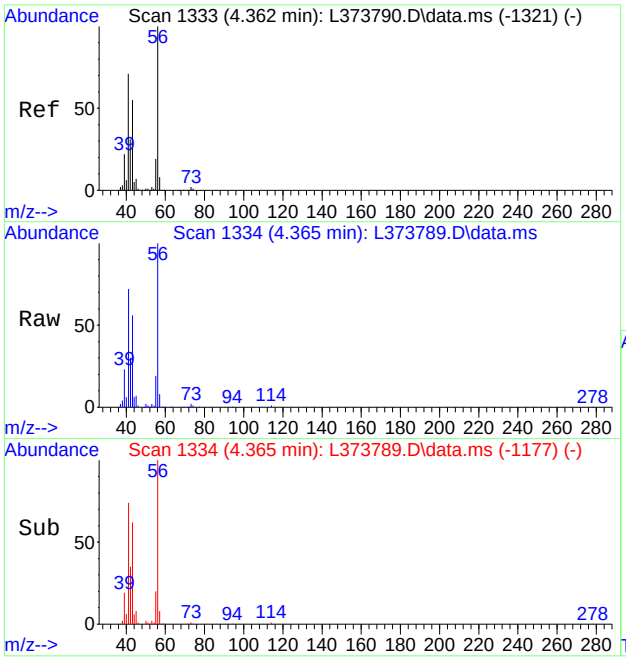


#54
2,2,4-trimethylpentane
Concen: 19.11 ug/L
RT: 4.083 min Scan# 1246
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 57 Resp: 117770

Ion	Ratio	Lower	Upper
57	100		
41	41.1	25.1	65.1
56	35.0	13.8	53.8
99	4.9	0.0	25.9

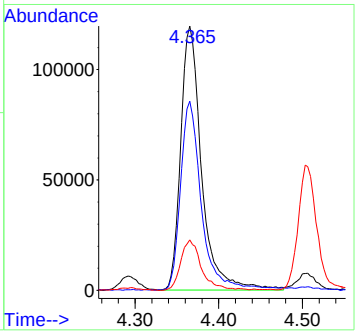


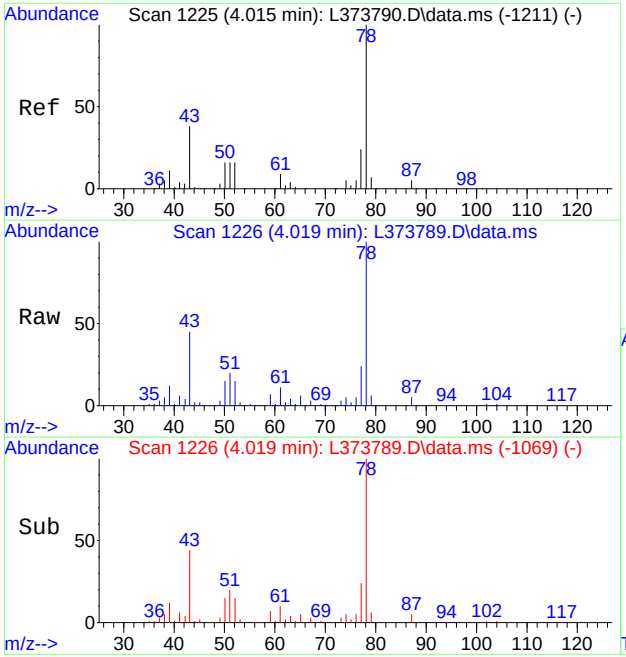


#55
n-butyl alcohol
Concen: 800.86 ug/L
RT: 4.365 min Scan# 1334
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 56 Resp: 207548

Ion	Ratio	Lower	Upper
56	100		
41	71.4	40.6	100.6
55	19.1	0.0	49.1

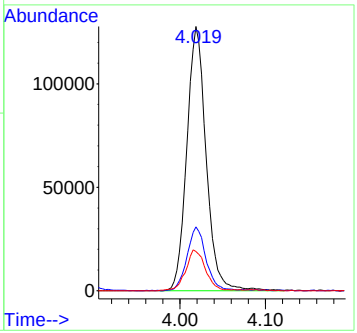


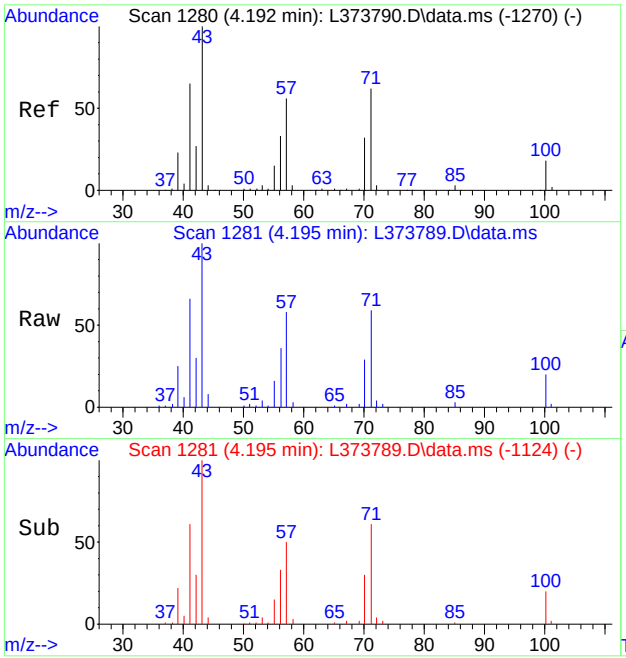


#56
benzene
Concen: 17.68 ug/L
RT: 4.019 min Scan# 1226
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 78 Resp: 200672

Ion	Ratio	Lower	Upper
78	100		
77	24.2	0.0	53.5
52	14.9	0.0	46.2

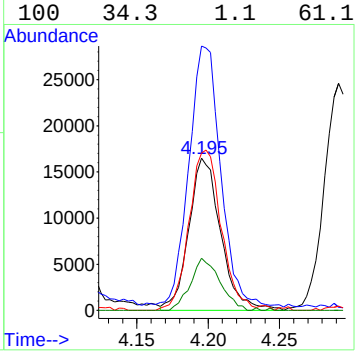


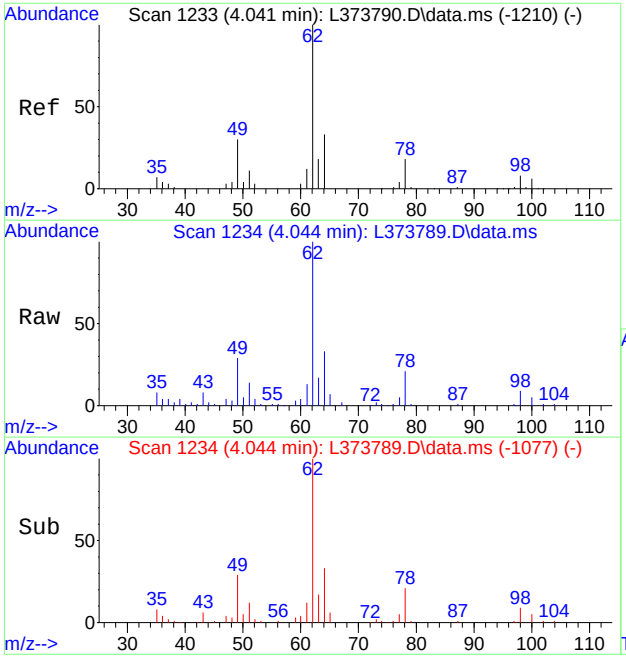


#57
heptane
Concen: 19.71 ug/L
RT: 4.195 min Scan# 1281
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 57 Resp: 25632

Ion	Ratio	Lower	Upper
57	100		
43	171.3	146.8	206.8
71	102.0	78.5	138.5
100	34.3	1.1	61.1

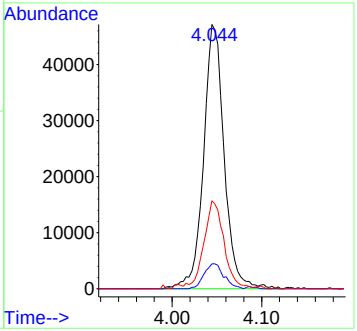


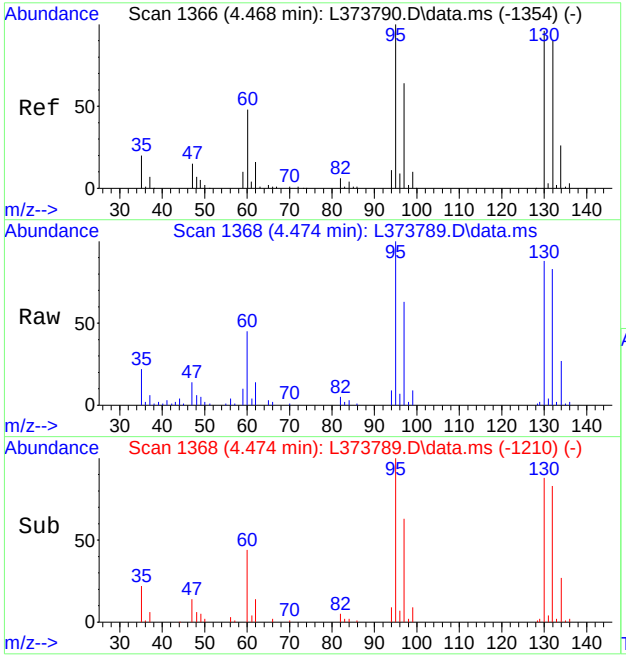


#58
1,2-dichloroethane
Concen: 17.41 ug/L
RT: 4.044 min Scan# 1234
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 62 Resp: 75588

Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	38.1
64	33.3	2.8	62.8

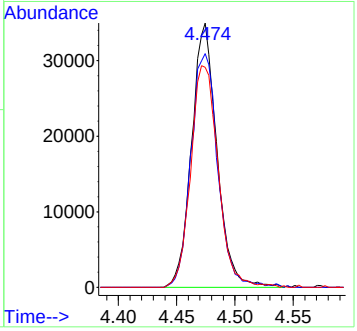


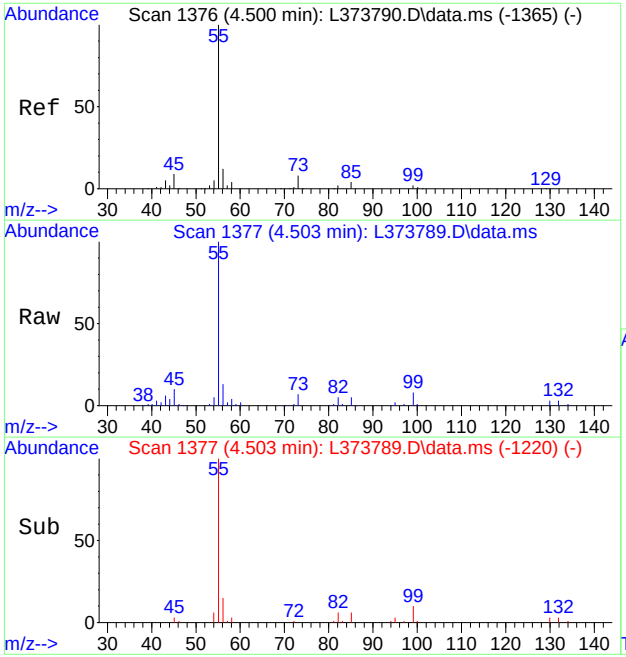


#59
trichloroethene
Concen: 19.01 ug/L
RT: 4.474 min Scan# 1368
Delta R.T. 0.007 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 95 Resp: 52936

Ion	Ratio	Lower	Upper
95	100		
130	88.4	65.5	125.5
132	83.2	59.7	119.7

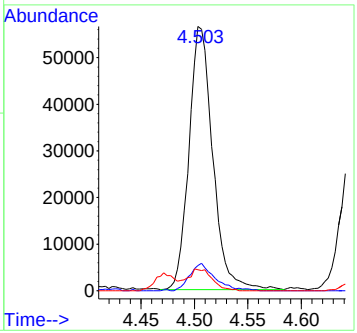


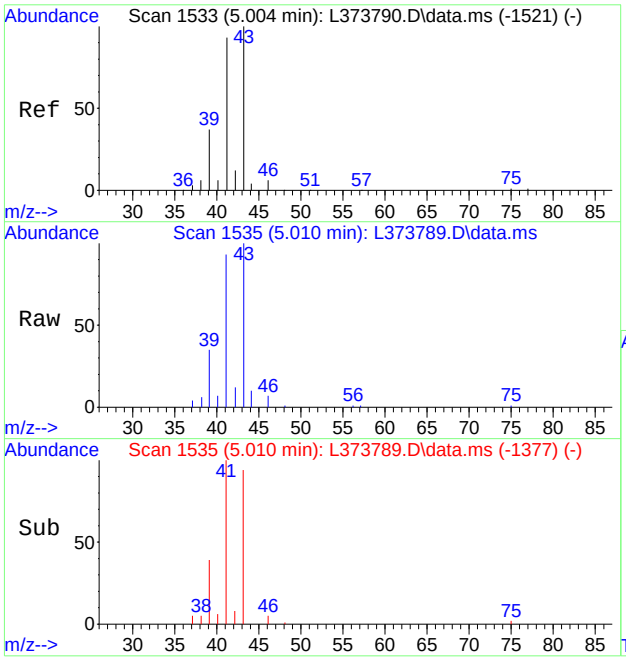


#60
ethyl acrylate
Concen: 16.92 ug/L
RT: 4.503 min Scan# 1377
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 55 Resp: 87225

Ion	Ratio	Lower	Upper
55	100		
45	9.6	0.0	28.6
99	8.1	0.0	27.8

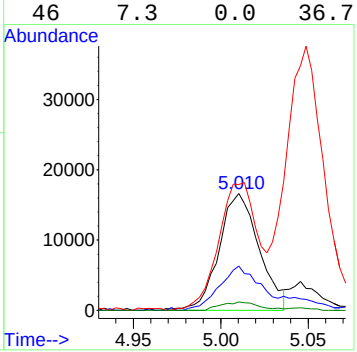


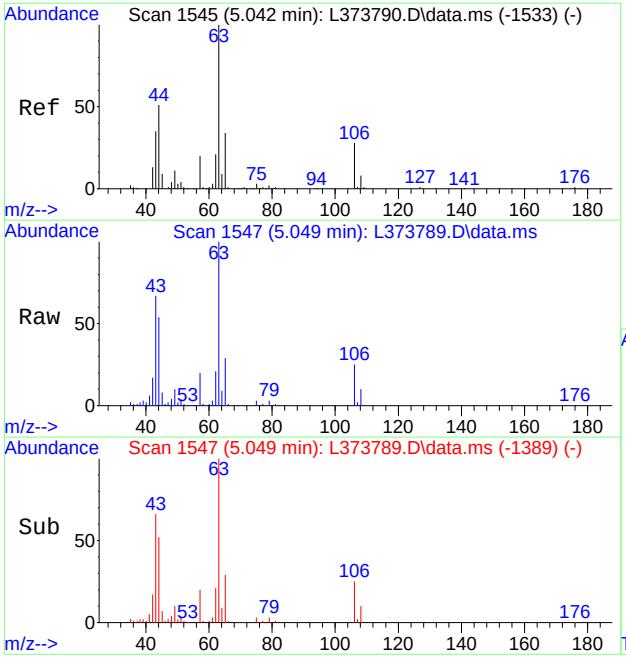


#61
2-nitropropane
Concen: 17.49 ug/L
RT: 5.010 min Scan# 1535
Delta R.T. 0.006 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 41 Resp: 26612

Ion	Ratio	Lower	Upper
41	100		
39	37.8	10.0	70.0
43	105.9	77.9	137.9
46	7.3	0.0	36.7

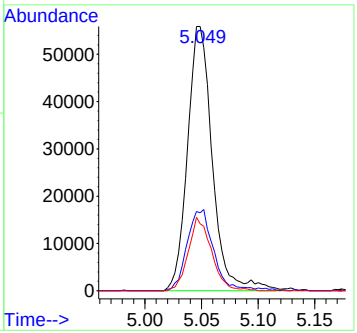


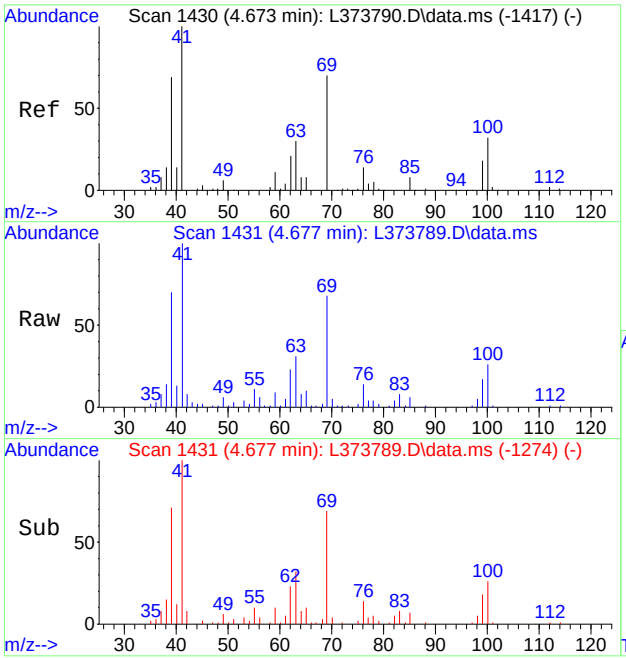


#62
2-chloroethyl vinyl ether
Concen: 89.04 ug/L
RT: 5.049 min Scan# 1547
Delta R.T. 0.007 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 63 Resp: 85690

Ion	Ratio	Lower	Upper
63	100		
65	29.5	3.9	63.9
106	25.3	0.0	57.6

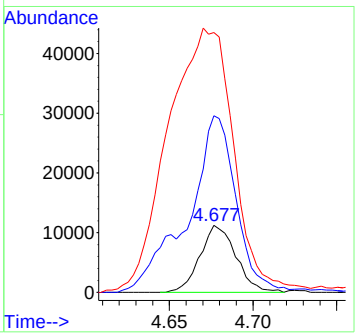


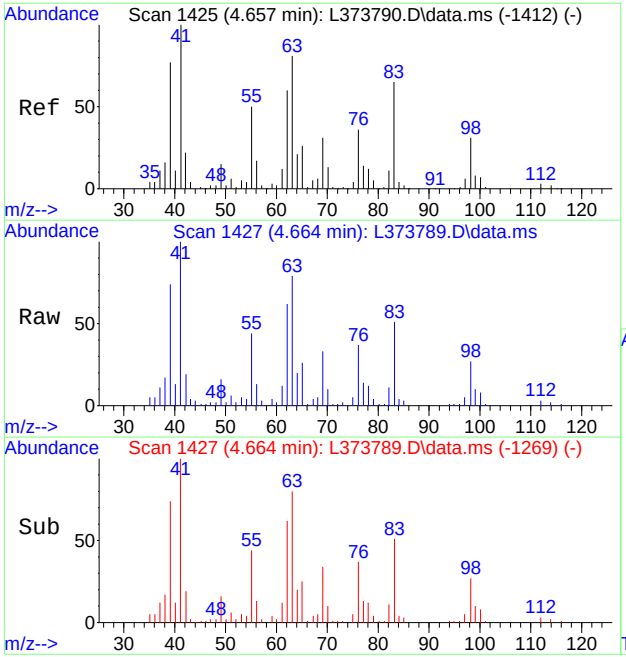


#63
methyl methacrylate
Concen: 17.94 ug/L
RT: 4.677 min Scan# 1431
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion:100 Resp: 16789

Ion	Ratio	Lower	Upper
100	100		
69	256.5	221.2	281.2
41	376.1	360.4	420.4

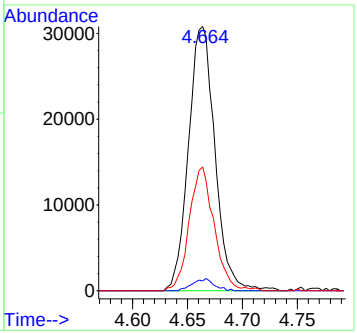


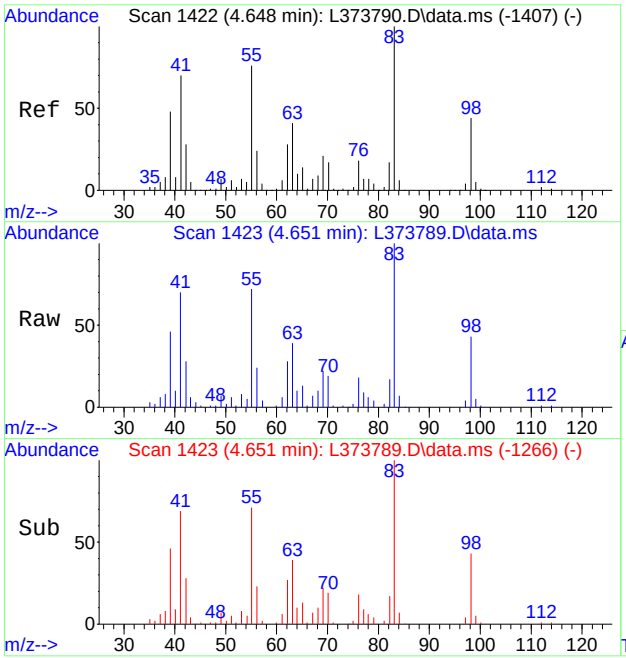


#64
1,2-dichloropropane
Concen: 17.95 ug/L
RT: 4.664 min Scan# 1427
Delta R.T. 0.007 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 63 Resp: 51711

Ion	Ratio	Lower	Upper
63	100		
112	3.8	0.0	34.1
76	46.8	14.3	74.3

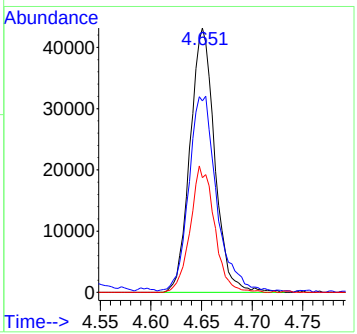


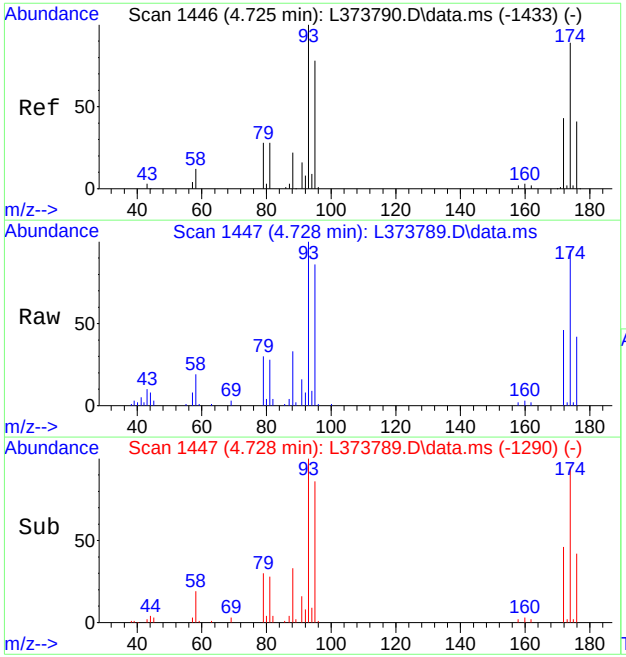


#65
methylcyclohexane
Concen: 19.40 ug/L
RT: 4.651 min Scan# 1423
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 83 Resp: 73312

Ion	Ratio	Lower	Upper
83	100		
55	71.8	46.3	106.3
98	43.4	13.7	73.7

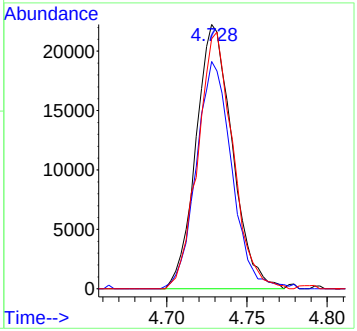


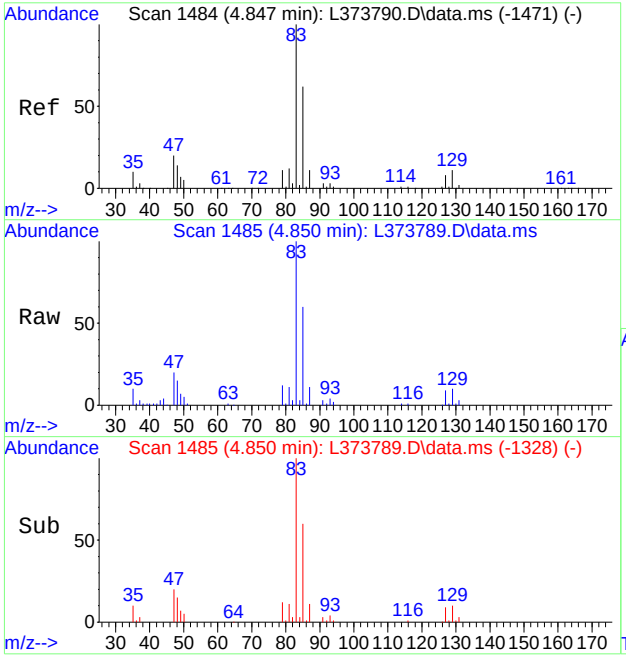


#66
dibromomethane
Concen: 17.44 ug/L
RT: 4.728 min Scan# 1447
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 93 Resp: 35079

Ion	Ratio	Lower	Upper
93	100		
95	86.0	48.3	108.3
174	94.5	59.2	119.2

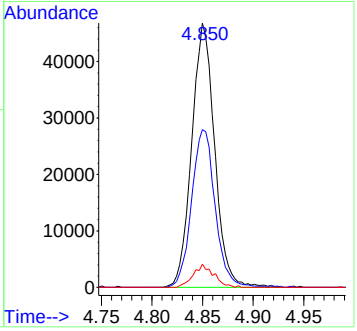


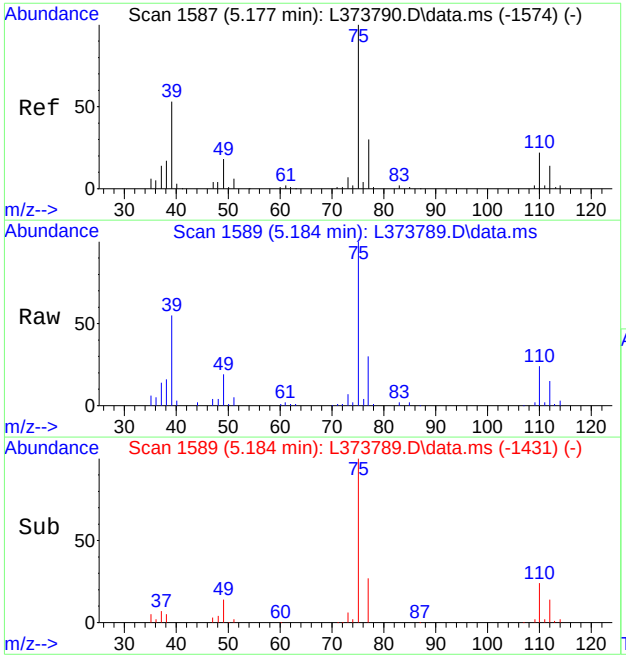


#67
bromodichloromethane
Concen: 17.88 ug/L
RT: 4.850 min Scan# 1485
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 83 Resp: 73810

Ion	Ratio	Lower	Upper
83	100		
85	59.7	31.5	91.5
127	8.8	0.0	38.3

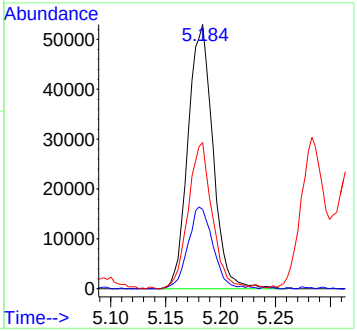


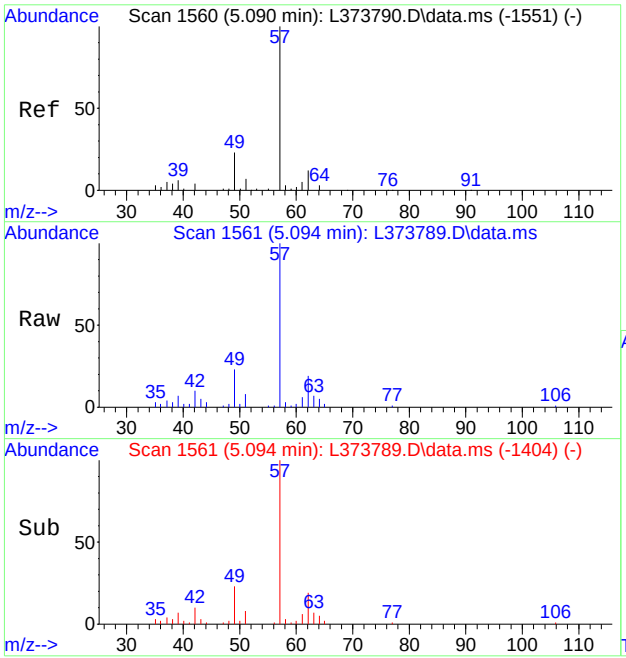


#68
cis-1,3-dichloropropene
Concen: 18.26 ug/L
RT: 5.184 min Scan# 1589
Delta R.T. 0.007 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 75 Resp: 83484

Ion	Ratio	Lower	Upper
75	100		
77	30.0	0.1	60.1
39	55.3	23.1	83.1

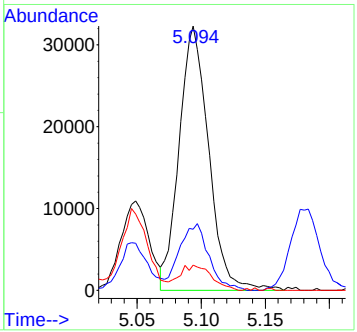


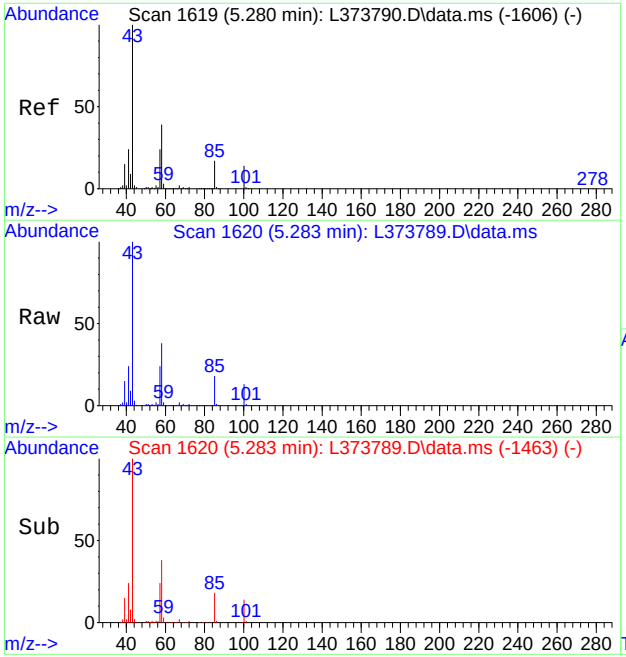


#69
epichlorohydrin
Concen: 86.30 ug/L
RT: 5.094 min Scan# 1561
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 57 Resp: 51786

Ion	Ratio	Lower	Upper
57	100		
49	18.5	1.0	41.0
42	9.5	0.0	29.5

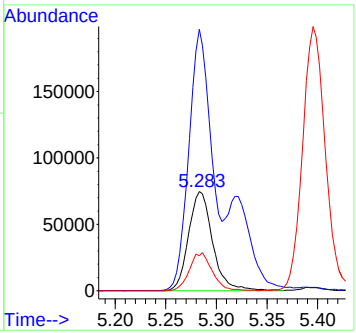


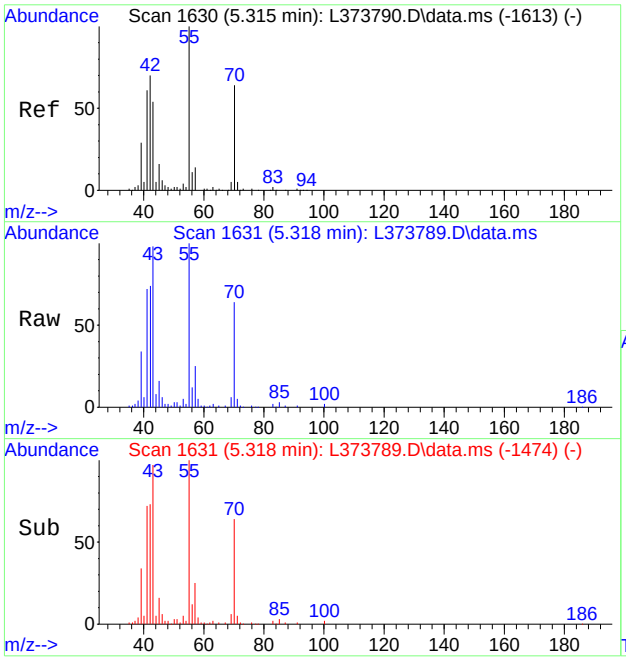


#70
4-methyl-2-pentanone
Concen: 67.09 ug/L
RT: 5.283 min Scan# 1620
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 58 Resp: 124175

Ion	Ratio	Lower	Upper
58	100		
43	263.0	233.3	273.3
100	35.4	15.2	55.2

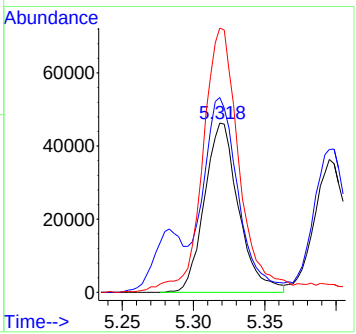


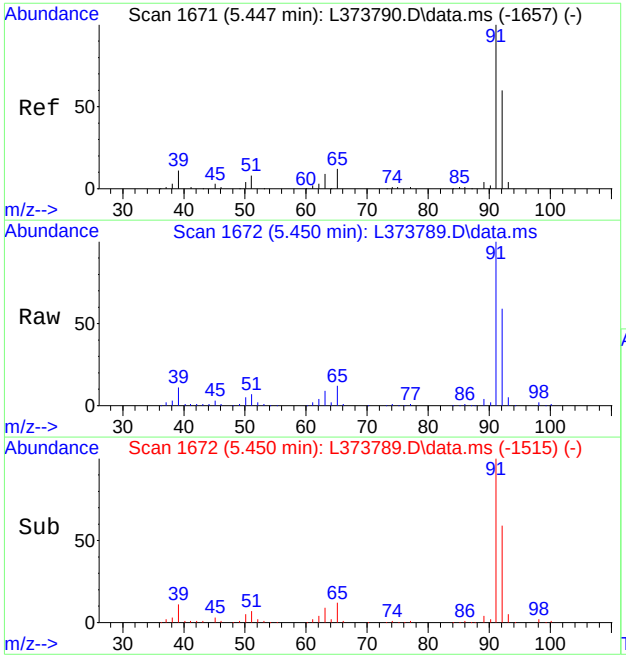


#71
3-methyl-1-butanol
Concen: 316.76 ug/L
RT: 5.318 min Scan# 1631
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 70 Resp: 77362

Ion	Ratio	Lower	Upper
70	100		
42	109.4	94.2	134.2
55	151.1	137.5	177.5

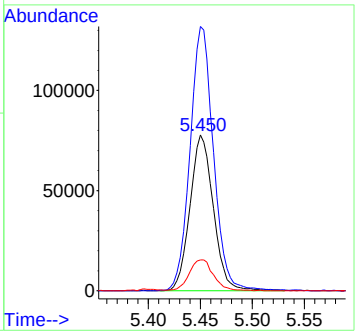


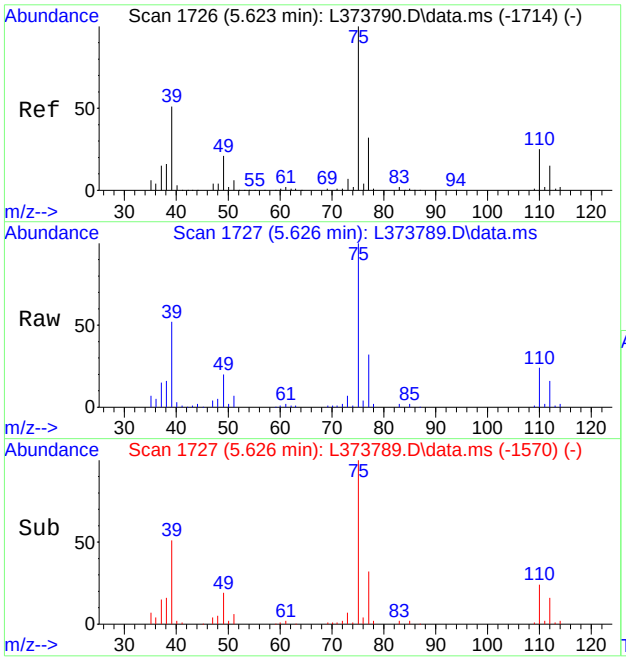


#74
toluene
Concen: 17.58 ug/L
RT: 5.450 min Scan# 1672
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 92 Resp: 121936

Ion	Ratio	Lower	Upper
92	100		
91	169.3	136.7	196.7
65	19.8	0.0	50.8

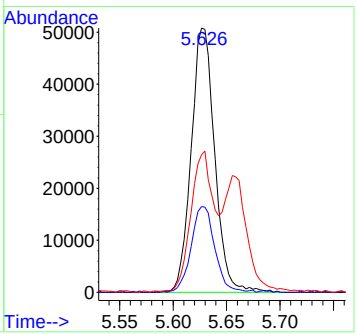


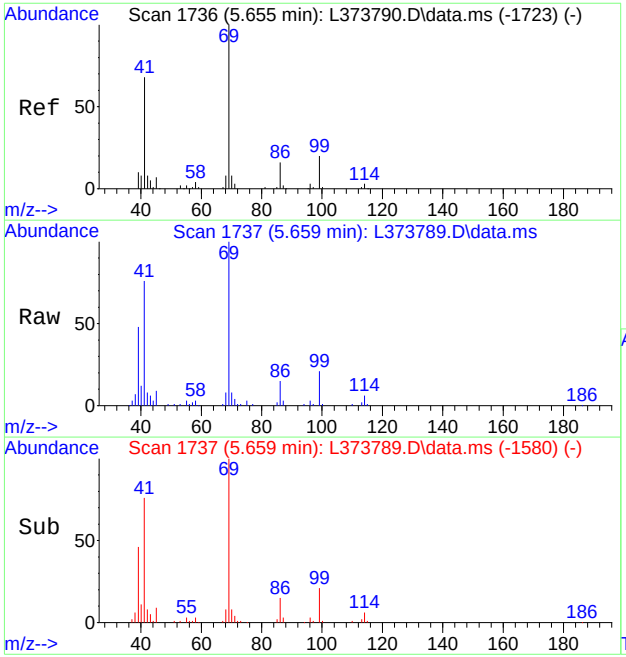


#75
trans-1,3-dichloropropene
Concen: 18.38 ug/L
RT: 5.626 min Scan# 1727
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 75 Resp: 77844

Ion	Ratio	Lower	Upper
75	100		
77	32.5	1.7	61.7
39	51.6	20.7	80.7

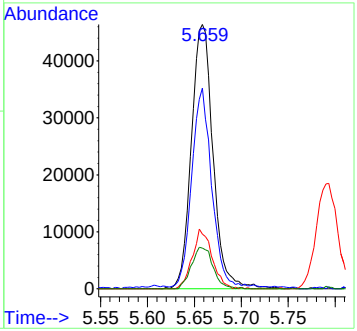


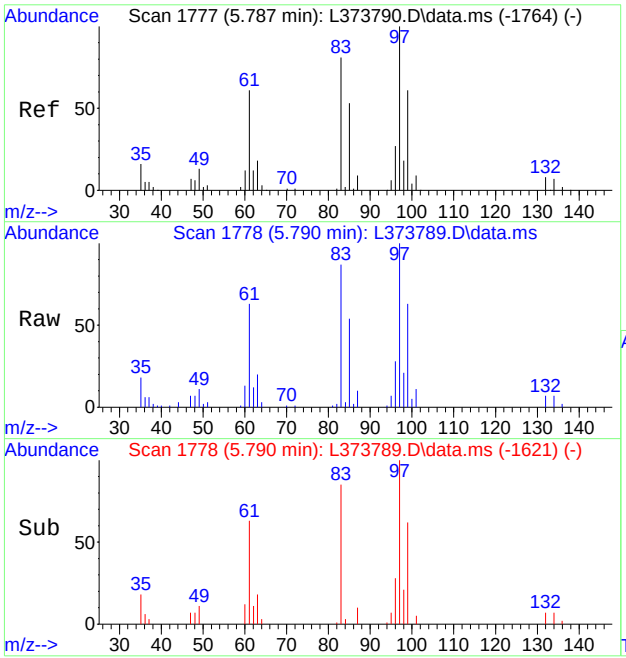


#76
ethyl methacrylate
Concen: 16.72 ug/L
RT: 5.659 min Scan# 1737
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 69 Resp: 74572

Ion	Ratio	Lower	Upper
69	100		
41	75.1	38.9	98.9
99	20.7	0.0	50.4
86	15.4	0.0	45.9

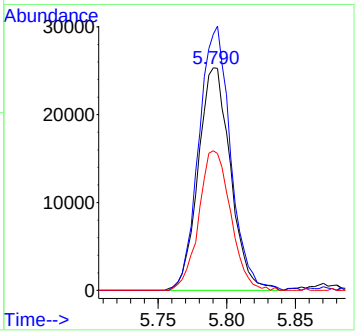


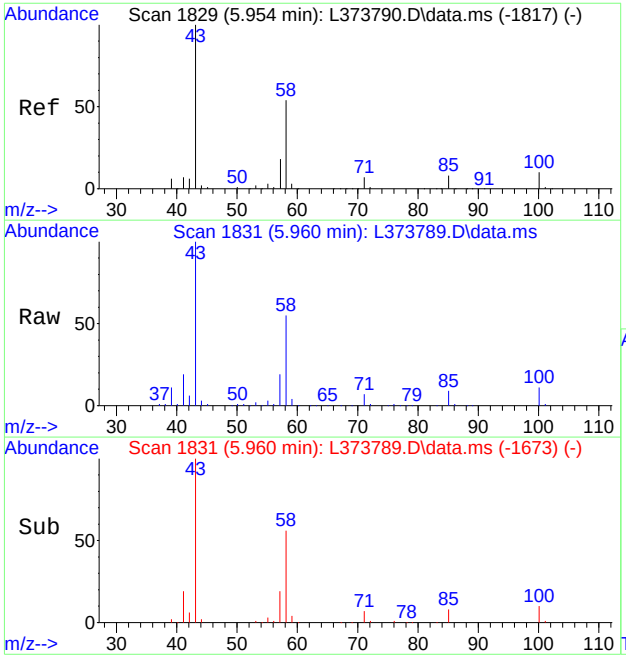


#77
1,1,2-trichloroethane
Concen: 18.15 ug/L
RT: 5.790 min Scan# 1778
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 83 Resp: 41453

Ion	Ratio	Lower	Upper
83	100		
97	115.2	93.6	153.6
85	62.7	35.4	95.4

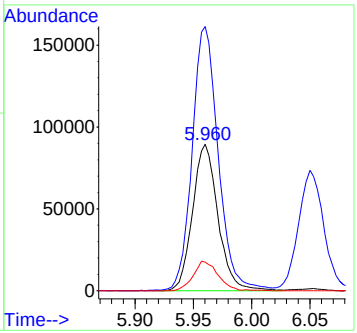


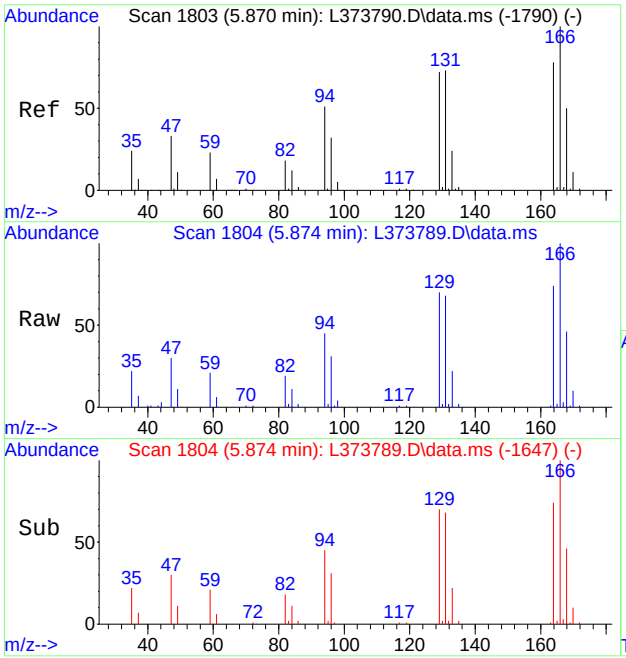


#78
2-hexanone
Concen: 67.57 ug/L
RT: 5.960 min Scan# 1831
Delta R.T. 0.007 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 58 Resp: 136314

Ion	Ratio	Lower	Upper
58	100		
43	179.8	154.6	214.6
100	19.5	0.0	49.0

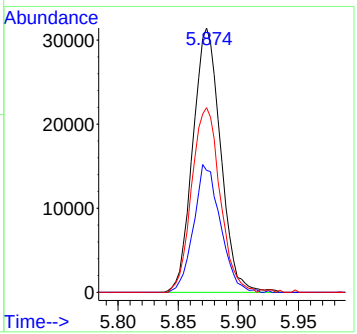


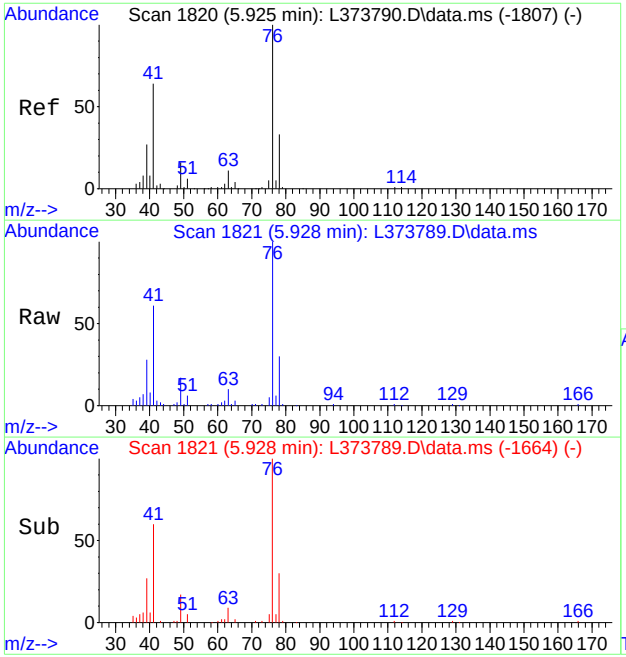


#79
tetrachloroethene
Concen: 18.43 ug/L
RT: 5.874 min Scan# 1804
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion:166 Resp: 50730

Ion	Ratio	Lower	Upper
166	100		
168	46.1	19.7	79.7
129	69.8	42.4	102.4

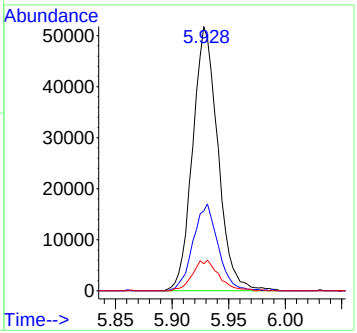


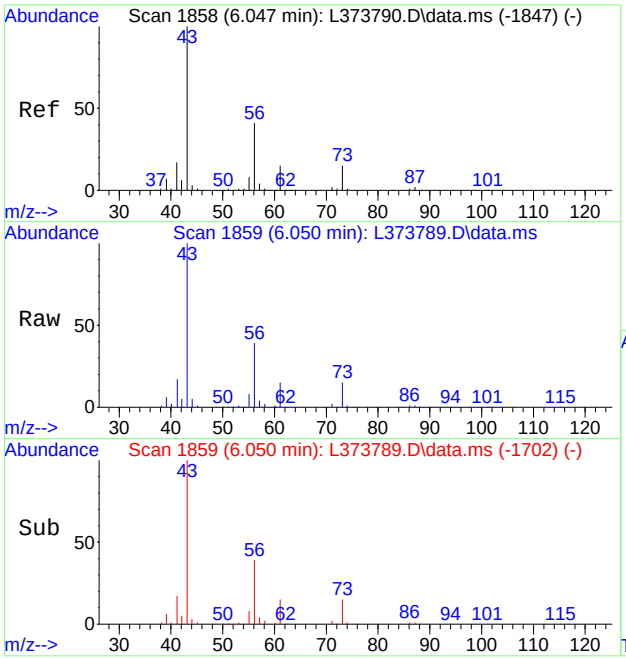


#80
1,3-dichloropropane
Concen: 18.35 ug/L
RT: 5.928 min Scan# 1821
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 76 Resp: 80323

Ion	Ratio	Lower	Upper
76	100		
78	30.2	2.7	62.7
63	10.2	0.0	41.2

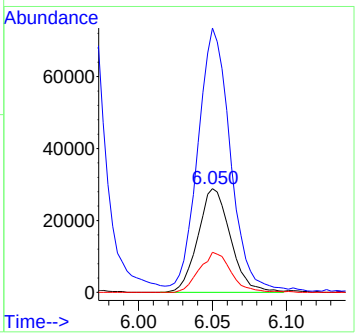


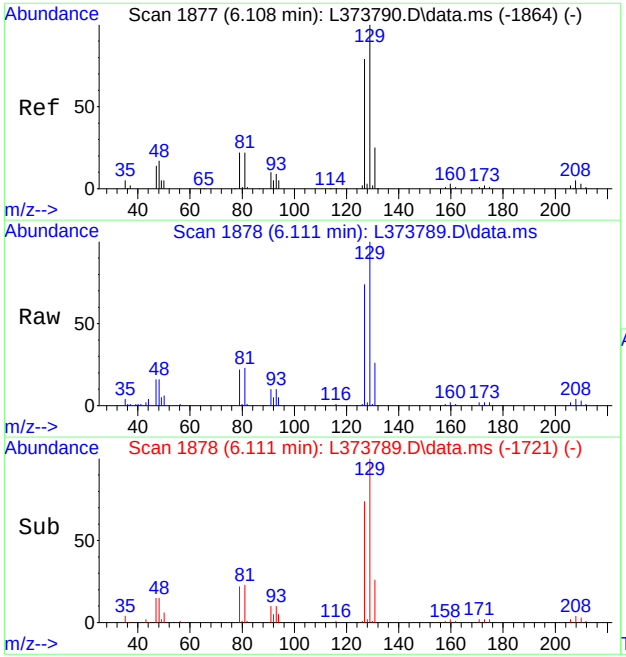


#81
butyl acetate
Concen: 16.59 ug/L
RT: 6.050 min Scan# 1859
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 56 Resp: 44153

Ion	Ratio	Lower	Upper
56	100		
43	250.7	218.3	278.3
73	38.6	7.2	67.2

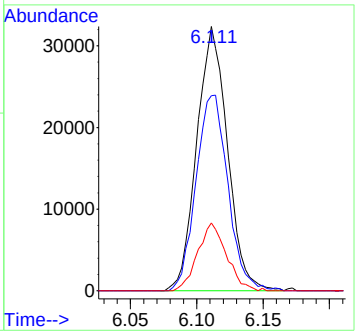


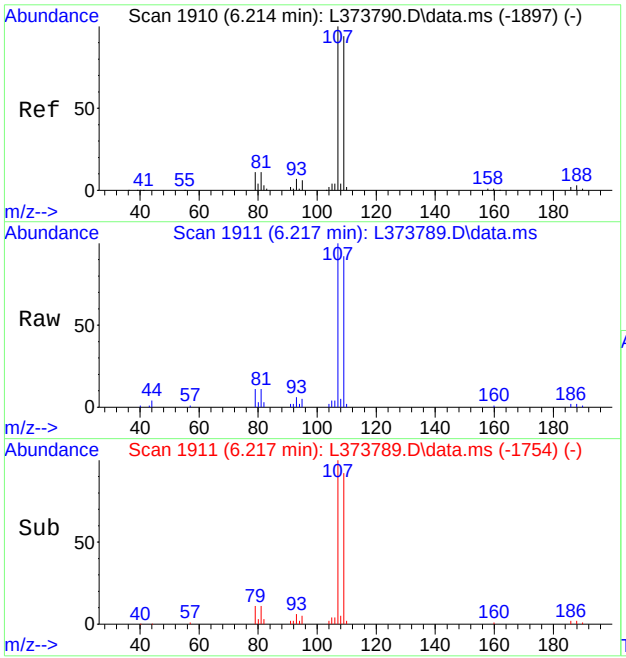


#82
dibromochloromethane
Concen: 17.56 ug/L
RT: 6.111 min Scan# 1878
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion:129 Resp: 52067

Ion	Ratio	Lower	Upper
129	100		
127	73.7	49.0	109.0
131	25.6	0.0	54.6

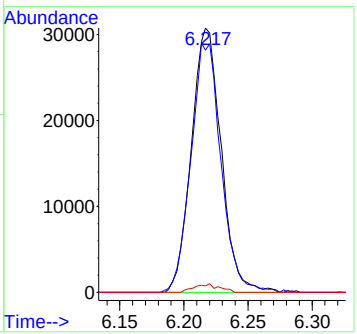


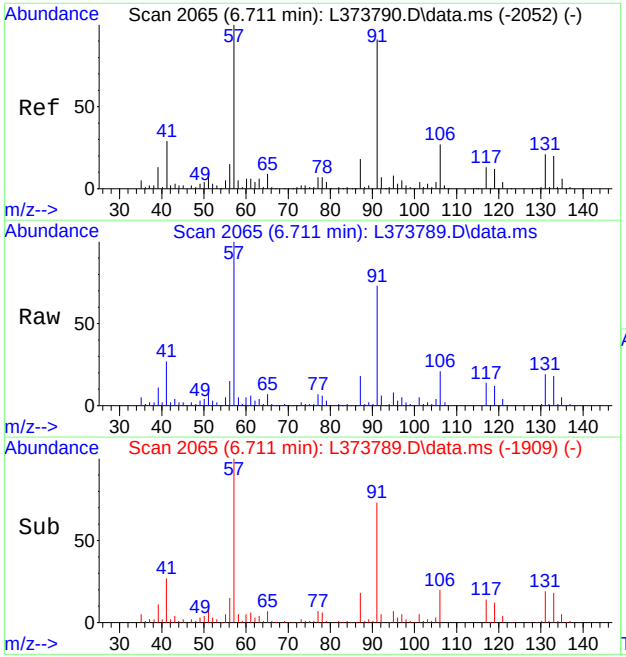


#83
1,2-dibromoethane
Concen: 18.01 ug/L
RT: 6.217 min Scan# 1911
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion:107 Resp: 49746

Ion	Ratio	Lower	Upper
107	100		
109	91.6	63.9	123.9
188	2.5	0.0	33.4

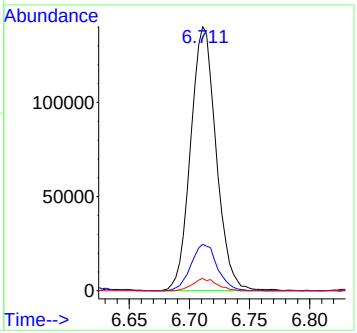


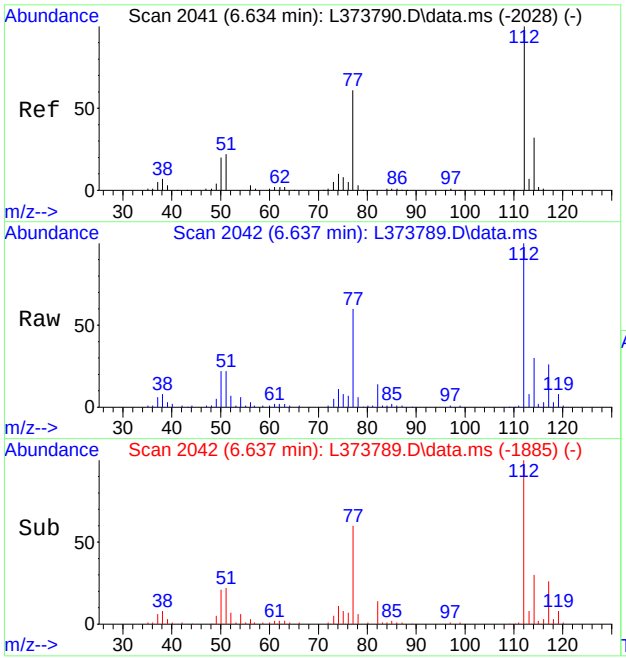


#84
n-butyl ether
Concen: 17.67 ug/L
RT: 6.711 min Scan# 2065
Delta R.T. 0.000 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 57 Resp: 207653

Ion	Ratio	Lower	Upper
57	100		
87	17.6	0.0	47.8
101	4.7	0.0	34.2

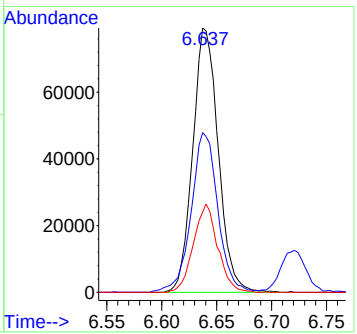


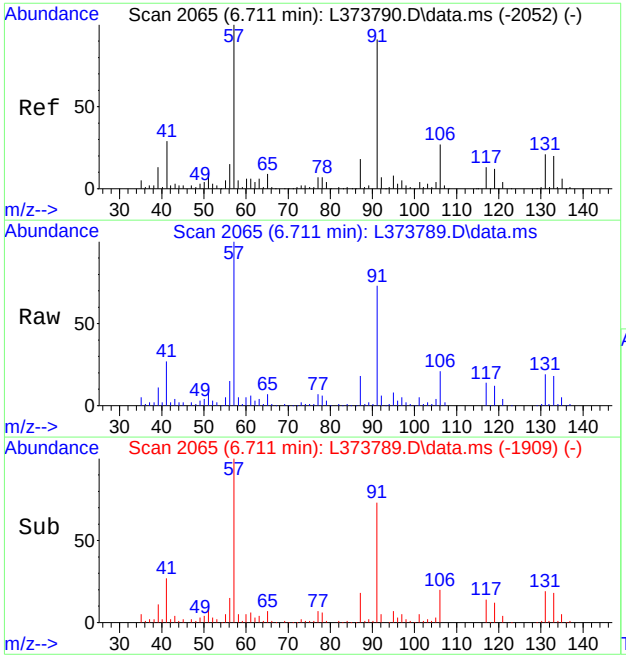


#85
chlorobenzene
Concen: 17.42 ug/L
RT: 6.637 min Scan# 2042
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion:112 Resp: 128022

Ion	Ratio	Lower	Upper
112	100		
77	59.4	30.8	90.8
114	30.3	2.4	62.4

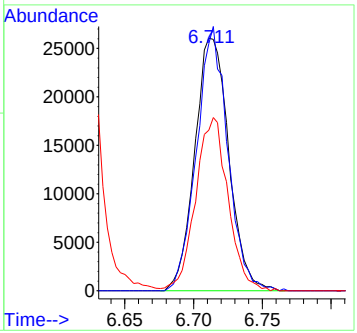


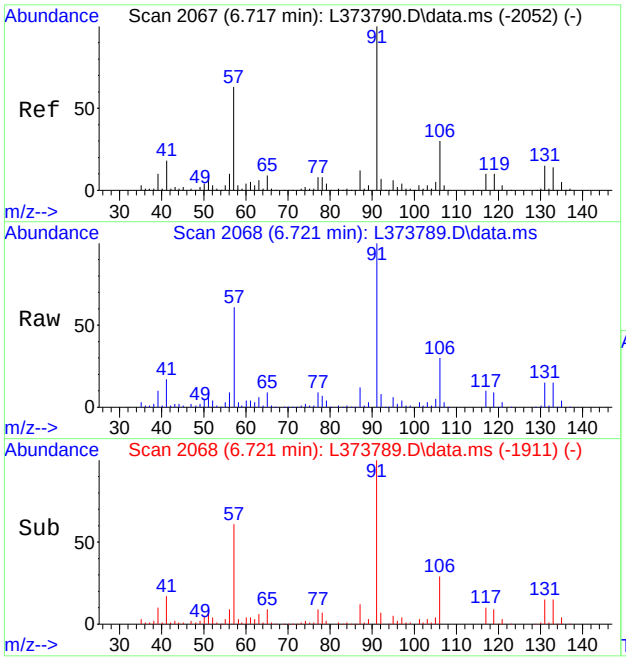


#86
1,1,1,2-tetrachloroethane
Concen: 18.81 ug/L
RT: 6.711 min Scan# 2065
Delta R.T. 0.000 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion:131 Resp: 45017

Ion	Ratio	Lower	Upper
131	100		
133	97.9	65.1	125.1
119	63.6	30.8	90.8

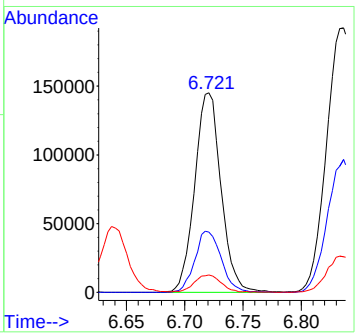


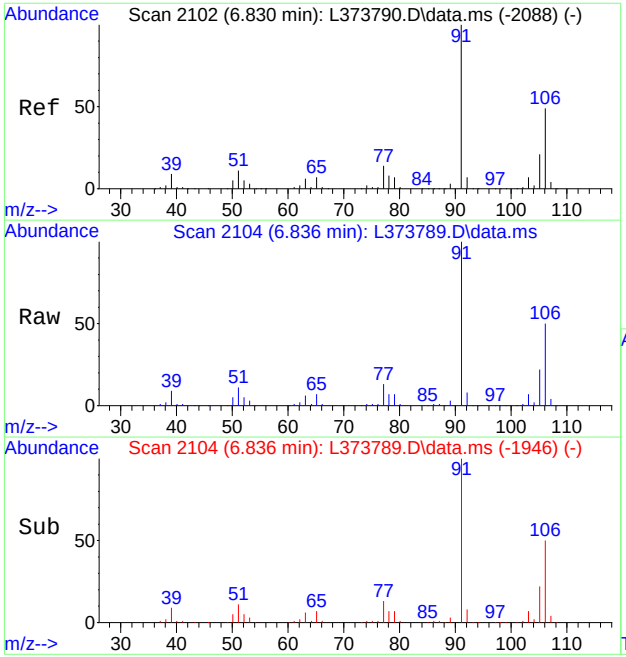


#87
ethylbenzene
Concen: 18.03 ug/L
RT: 6.721 min Scan# 2068
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 91 Resp: 228625

Ion	Ratio	Lower	Upper
91	100		
106	30.2	0.1	60.1
77	8.5	0.0	38.6

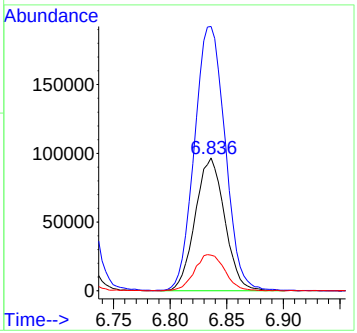


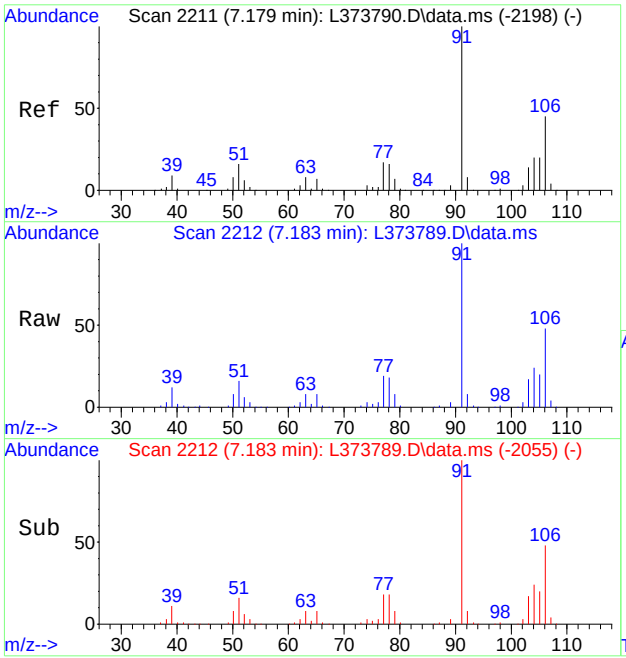


#88
m,p-xylene
Concen: 35.51 ug/L
RT: 6.836 min Scan# 2104
Delta R.T. 0.007 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion:106 Resp: 174844

Ion	Ratio	Lower	Upper
106	100		
91	198.7	175.7	235.7
77	26.8	8.1	48.1

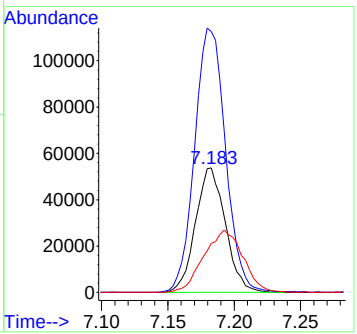


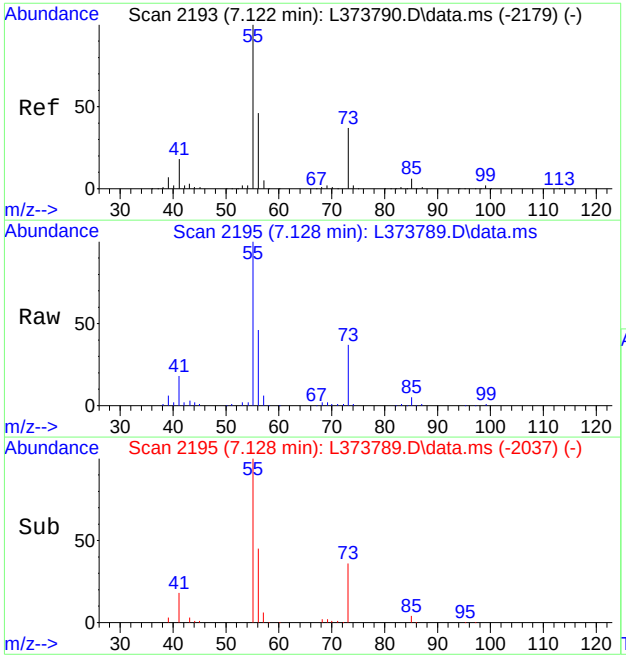


#89
o-xylene
Concen: 17.43 ug/L
RT: 7.183 min Scan# 2212
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion:106 Resp: 84223

Ion	Ratio	Lower	Upper
106	100		
91	209.2	194.5	254.5
77	39.5	18.1	58.1

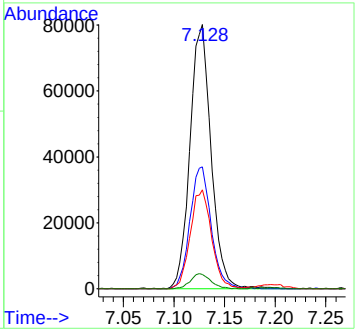


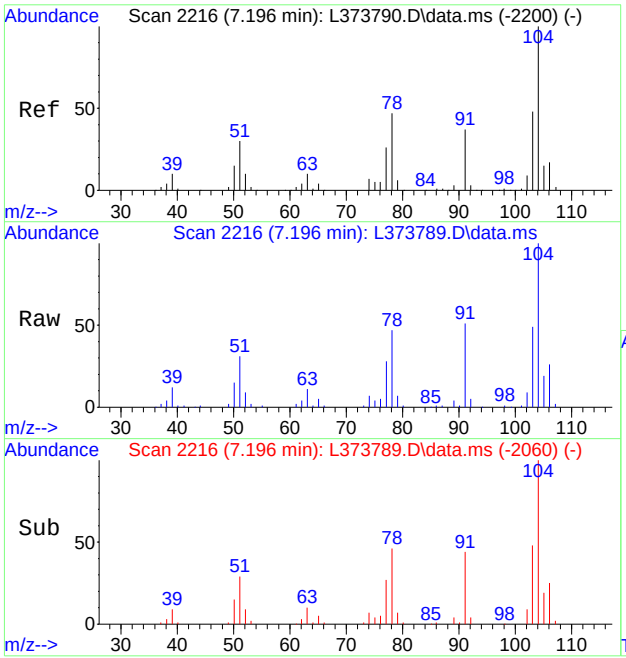


#90
butyl acrylate
Concen: 16.20 ug/L
RT: 7.128 min Scan# 2195
Delta R.T. 0.007 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 55 Resp: 116919

Ion	Ratio	Lower	Upper
55	100		
56	46.1	26.3	66.3
73	37.4	17.5	57.5
85	5.4	0.0	25.6

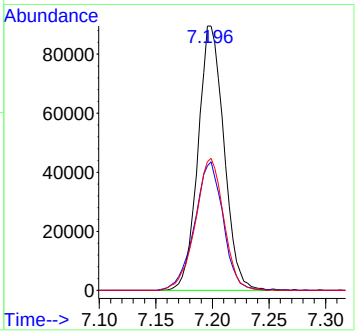


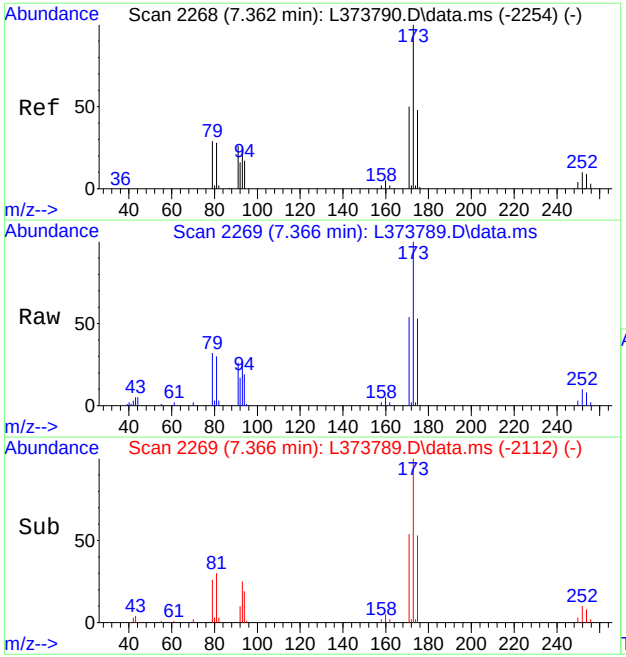


#91
styrene
Concen: 17.81 ug/L
RT: 7.196 min Scan# 2216
Delta R.T. 0.000 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion:104 Resp: 142796

Ion	Ratio	Lower	Upper
104	100		
78	46.7	16.8	76.8
103	48.6	17.7	77.7

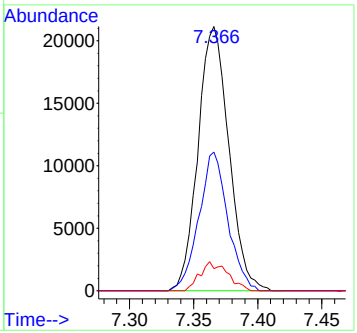


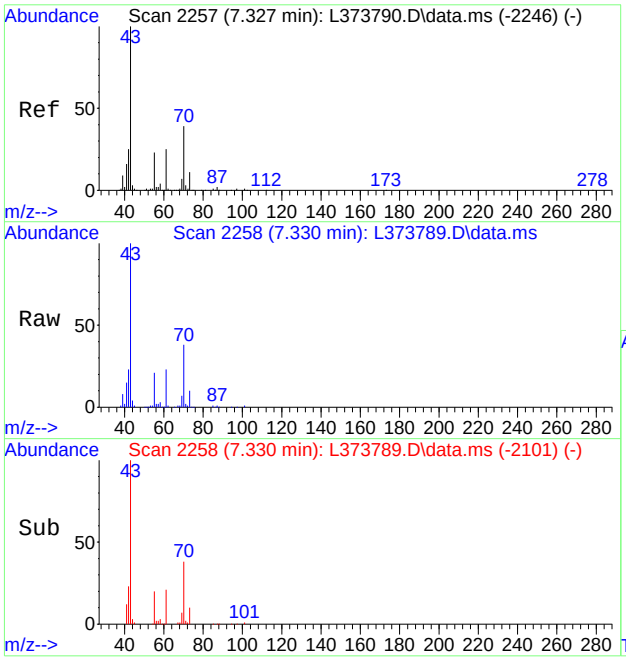


#92
bromoform
Concen: 16.92 ug/L
RT: 7.366 min Scan# 2269
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion:173 Resp: 35376

Ion	Ratio	Lower	Upper
173	100		
175	52.5	17.8	77.8
254	8.4	0.0	39.4

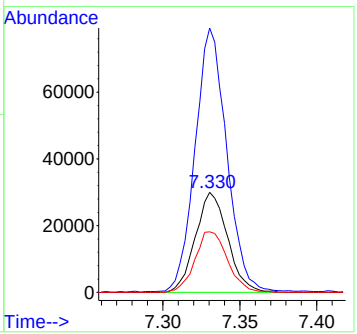


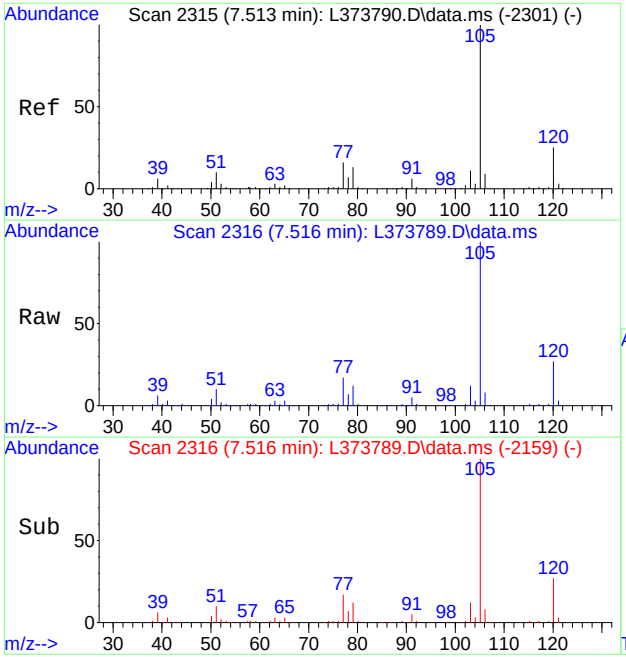


#93
n-amyl acetate
Concen: 16.13 ug/L
RT: 7.330 min Scan# 2258
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 70 Resp: 43756

Ion	Ratio	Lower	Upper
70	100		
43	263.4	233.4	273.4
61	60.7	42.6	82.6

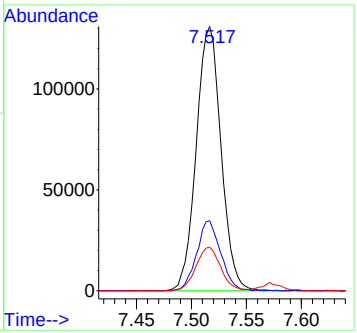


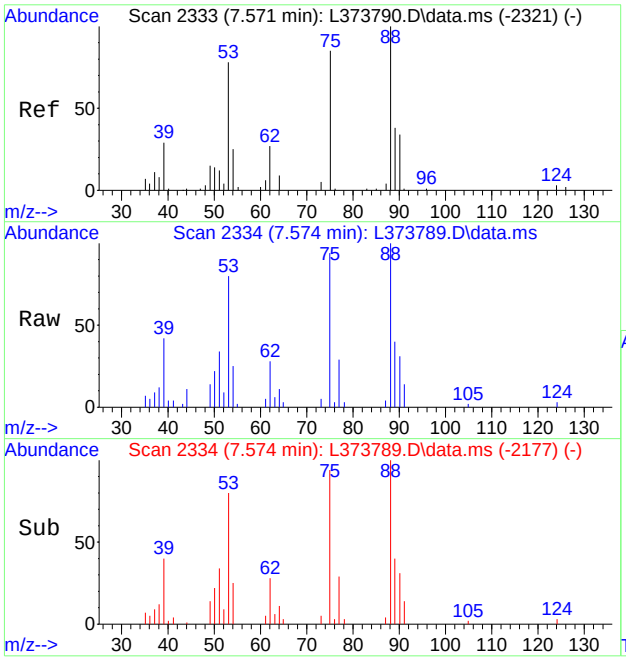


#94
isopropylbenzene
Concen: 17.88 ug/L
RT: 7.516 min Scan# 2316
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion:105 Resp: 205847

Ion	Ratio	Lower	Upper
105	100		
120	26.5	5.2	45.2
77	16.5	0.0	36.2

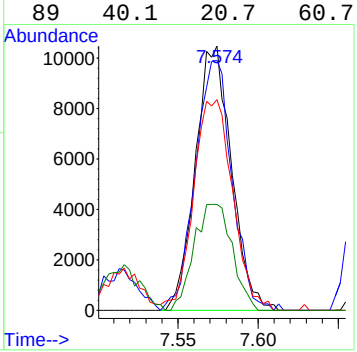


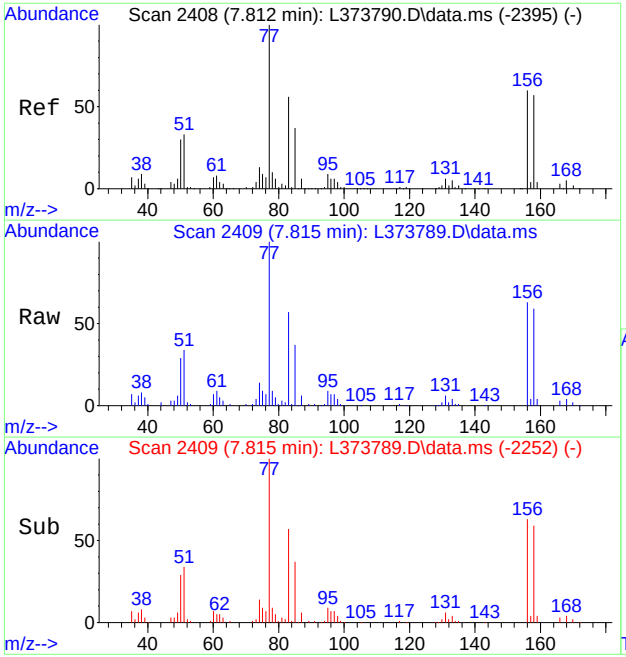


#95
cis-1,4-dichloro-2-butene
Concen: 18.52 ug/L
RT: 7.574 min Scan# 2334
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 88 Resp: 16424

Ion	Ratio	Lower	Upper
88	100		
75	94.5	66.5	106.5
53	79.7	59.7	99.7
89	40.1	20.7	60.7

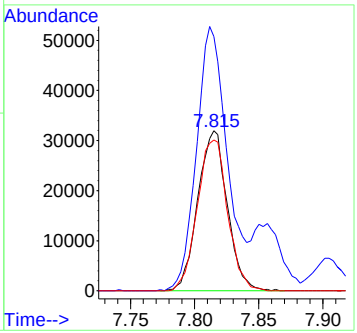


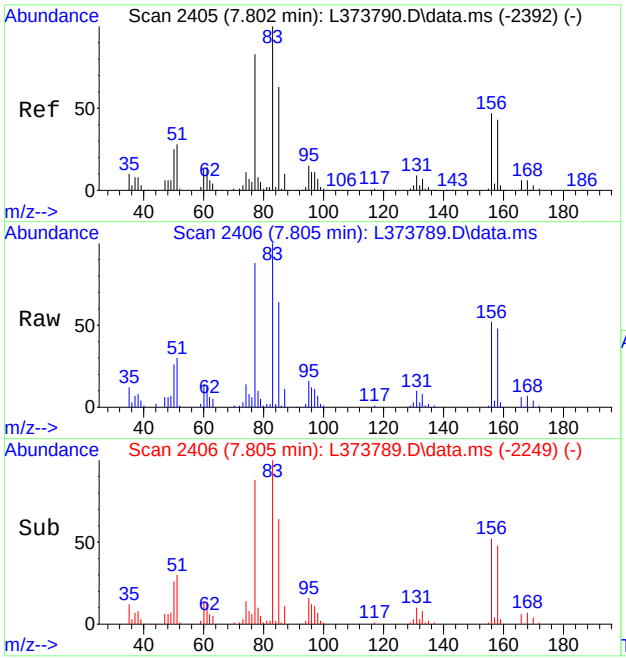


#98
bromobenzene
Concen: 17.66 ug/L
RT: 7.815 min Scan# 2409
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion:156 Resp: 51252

Ion	Ratio	Lower	Upper
156	100		
77	158.2	137.0	197.0
158	94.3	65.5	125.5

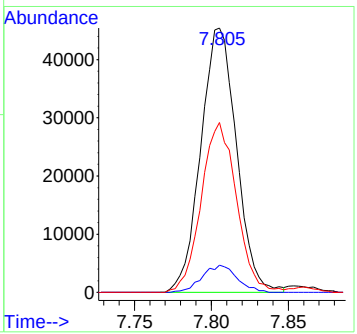


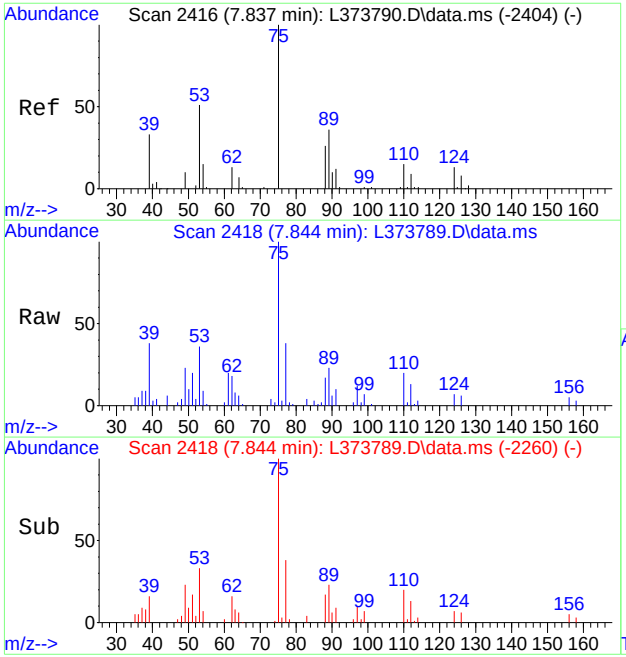


#99
1,1,2,2-tetrachloroethane
Concen: 16.47 ug/L
RT: 7.805 min Scan# 2406
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 83 Resp: 73473

Ion	Ratio	Lower	Upper
83	100		
131	10.3	0.0	38.9
85	64.2	33.3	93.3

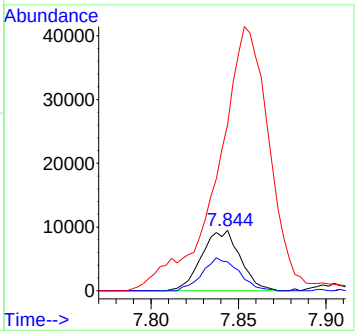


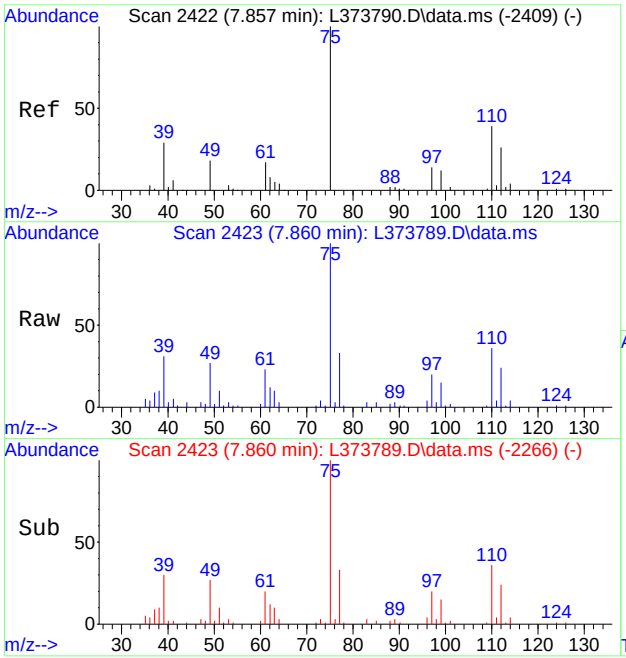


#100
trans-1,4-dichloro-2-butene
Concen: 18.13 ug/L
RT: 7.844 min Scan# 2418
Delta R.T. 0.007 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 53 Resp: 14539

Ion	Ratio	Lower	Upper
53	100		
88	47.8	21.0	81.0
75	234.3	165.8	225.8#

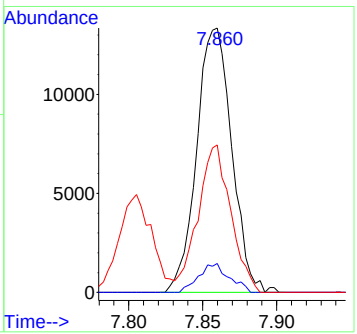


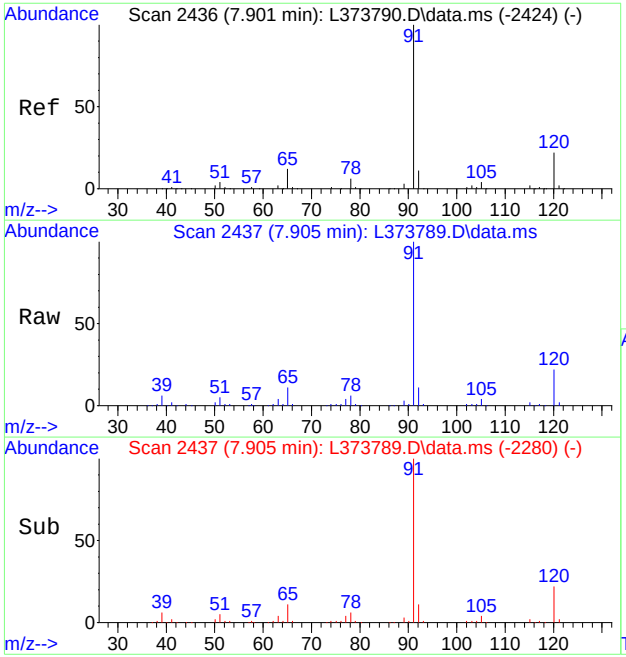


#101
1,2,3-trichloropropane
Concen: 16.41 ug/L
RT: 7.860 min Scan# 2423
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion:110 Resp: 22027

Ion	Ratio	Lower	Upper
110	100		
111	10.9	0.0	38.4
97	55.7	22.5	82.5

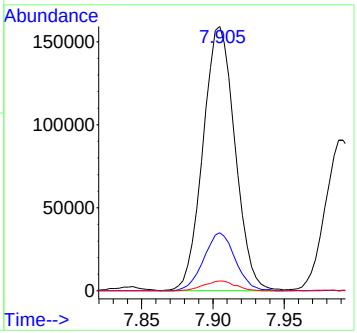


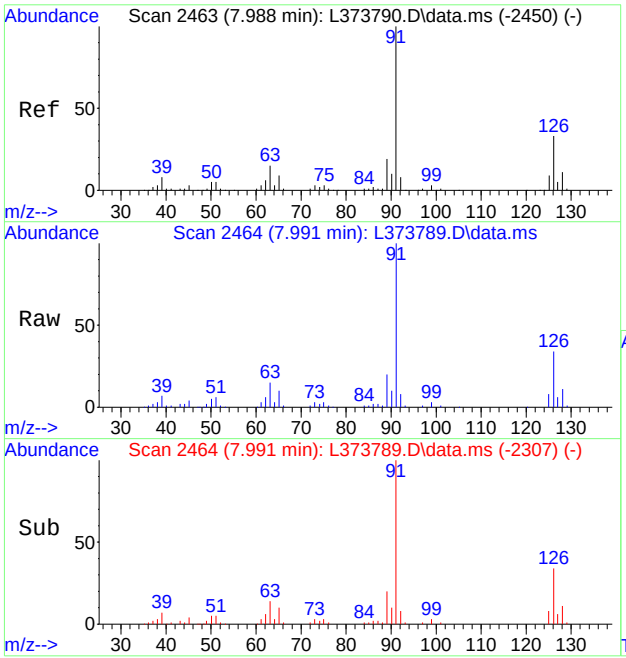


#102
n-propylbenzene
Concen: 17.98 ug/L
RT: 7.905 min Scan# 2437
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 91 Resp: 249406

Ion	Ratio	Lower	Upper
91	100		
120	21.9	0.0	51.5
105	3.7	0.0	33.7

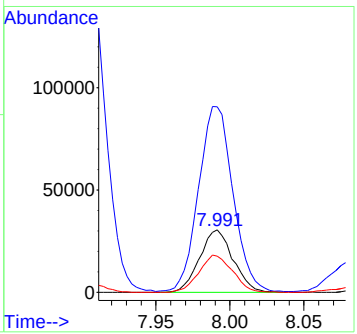


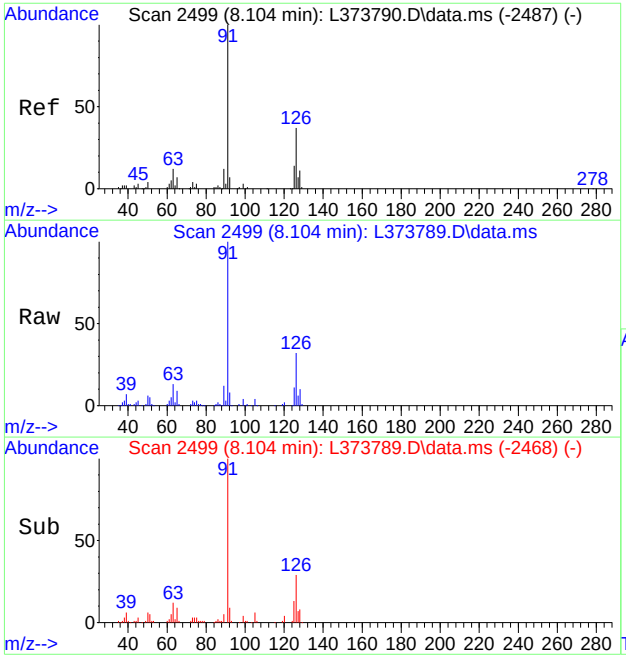


#103
2-chlorotoluene
Concen: 17.72 ug/L
RT: 7.991 min Scan# 2464
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion:126 Resp: 48157

Ion	Ratio	Lower	Upper
126	100		
91	294.9	276.4	336.4
89	57.9	28.8	88.8

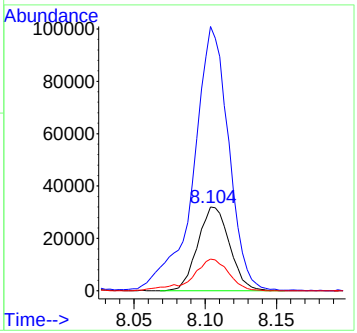


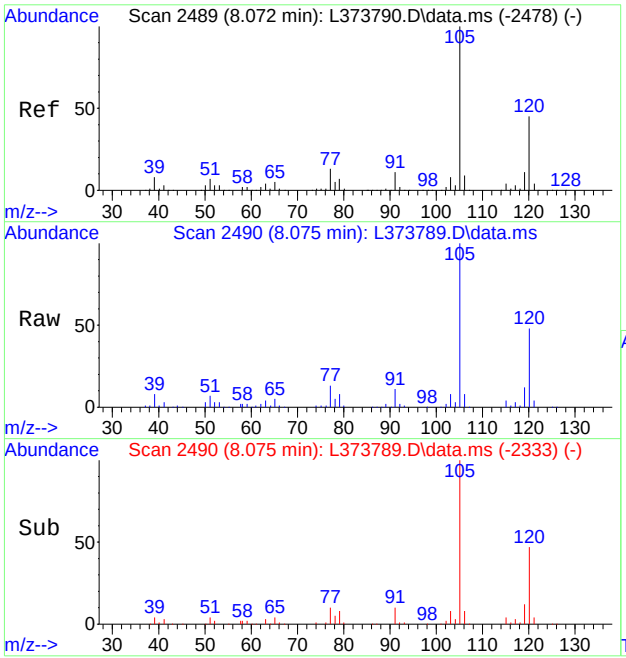


#104
4-chlorotoluene
Concen: 17.10 ug/L
RT: 8.104 min Scan# 2499
Delta R.T. 0.000 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion:126 Resp: 49762

Ion	Ratio	Lower	Upper
126	100		
91	314.9	265.5	325.5
89	37.8	5.5	65.5

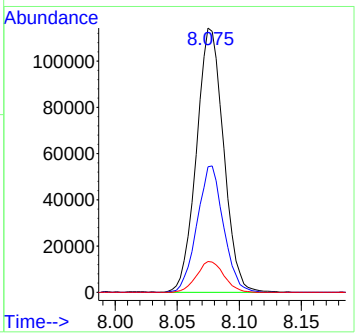


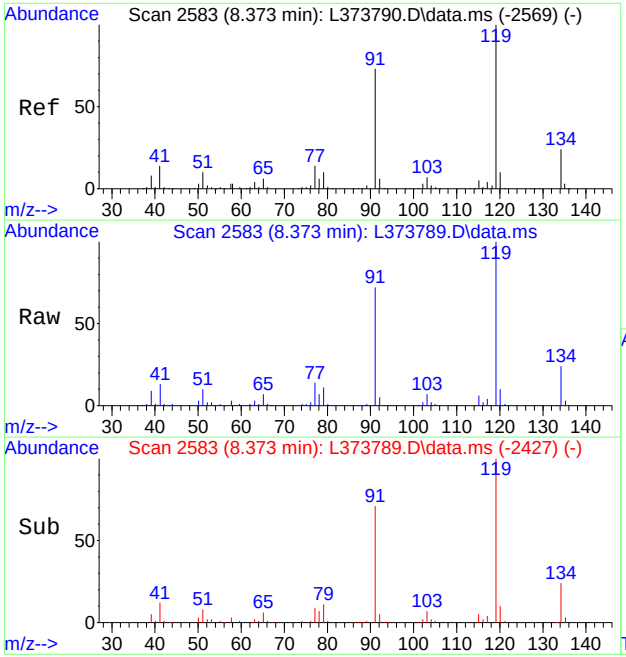


#105
1,3,5-trimethylbenzene
Concen: 18.02 ug/L
RT: 8.075 min Scan# 2490
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion:105 Resp: 173904

Ion	Ratio	Lower	Upper
105	100		
120	47.5	14.9	74.9
119	11.7	0.0	40.8

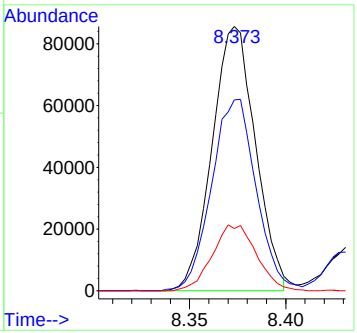


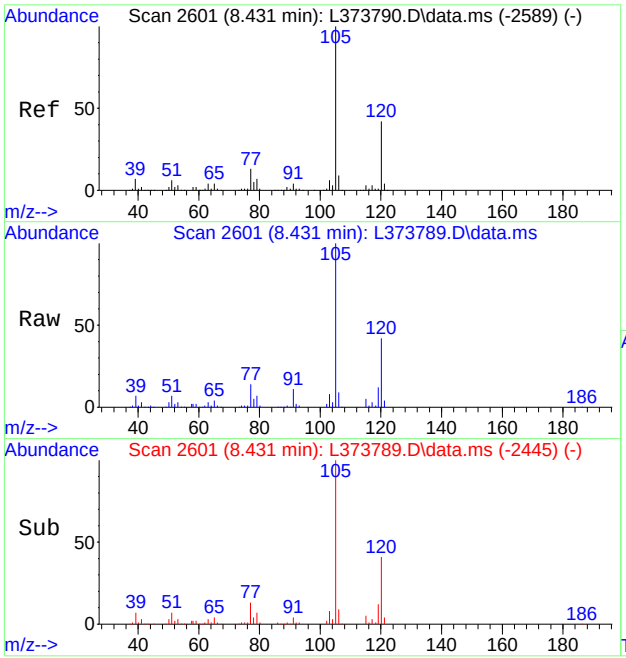


#106
tert-butylbenzene
Concen: 17.46 ug/L
RT: 8.373 min Scan# 2583
Delta R.T. 0.000 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion:119 Resp: 134422

Ion	Ratio	Lower	Upper
119	100		
91	72.2	42.9	102.9
134	23.6	0.0	54.4

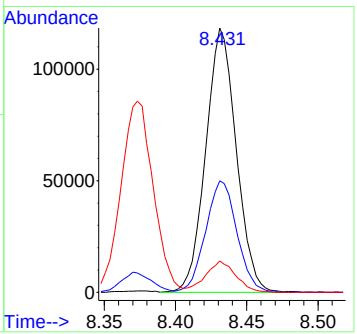


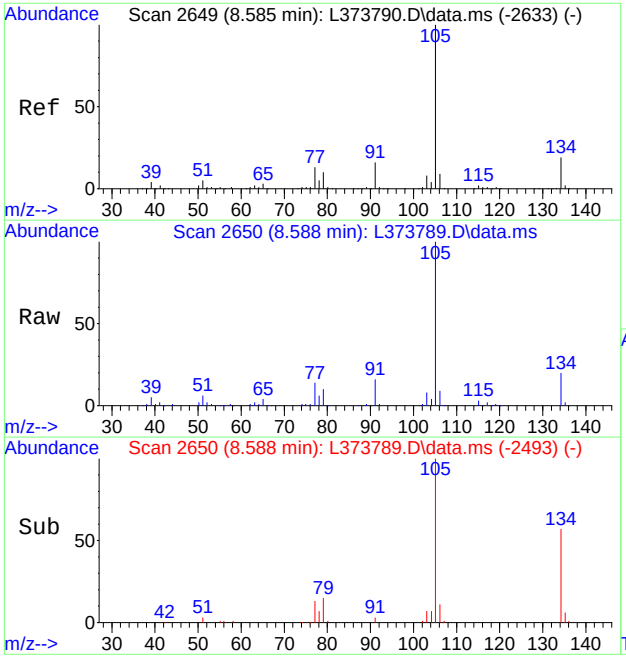


#107
1,2,4-trimethylbenzene
Concen: 18.15 ug/L
RT: 8.431 min Scan# 2601
Delta R.T. 0.000 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion:105 Resp: 176377

Ion	Ratio	Lower	Upper
105	100		
120	42.2	13.1	73.1
119	11.9	0.0	41.9

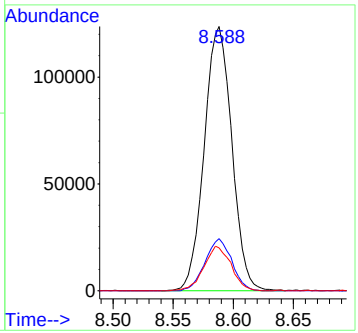


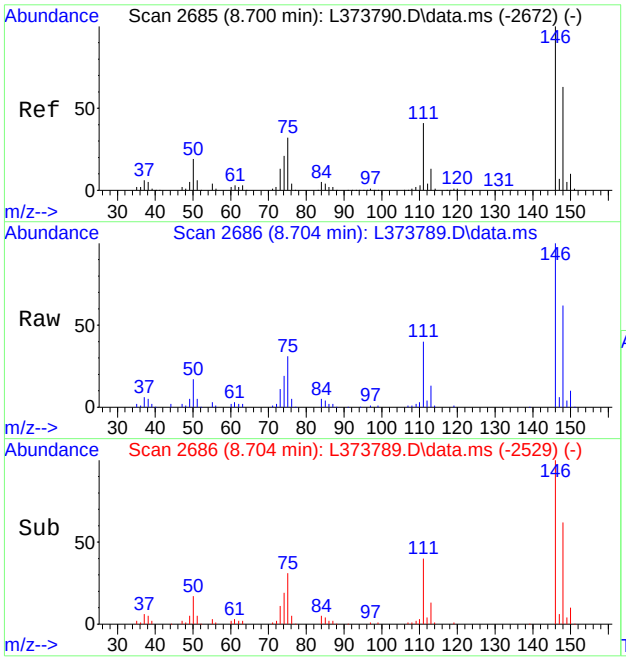


#108
sec-butylbenzene
Concen: 17.91 ug/L
RT: 8.588 min Scan# 2650
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion:105 Resp: 197633

Ion	Ratio	Lower	Upper
105	100		
134	19.7	0.0	48.8
91	16.3	0.0	45.9

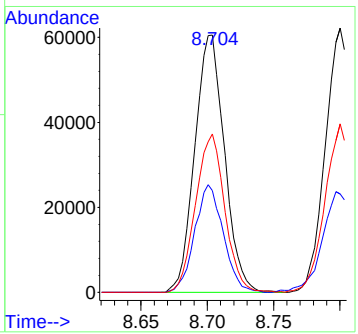


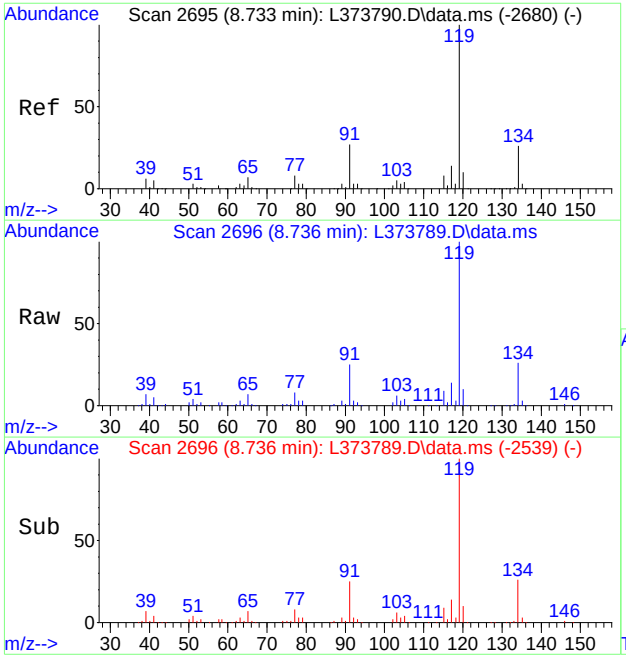


#109
1,3-dichlorobenzene
Concen: 17.53 ug/L
RT: 8.704 min Scan# 2686
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion:146 Resp: 94511

Ion	Ratio	Lower	Upper
146	100		
111	39.6	11.0	71.0
148	61.6	33.0	93.0

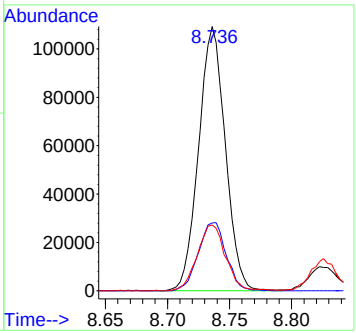


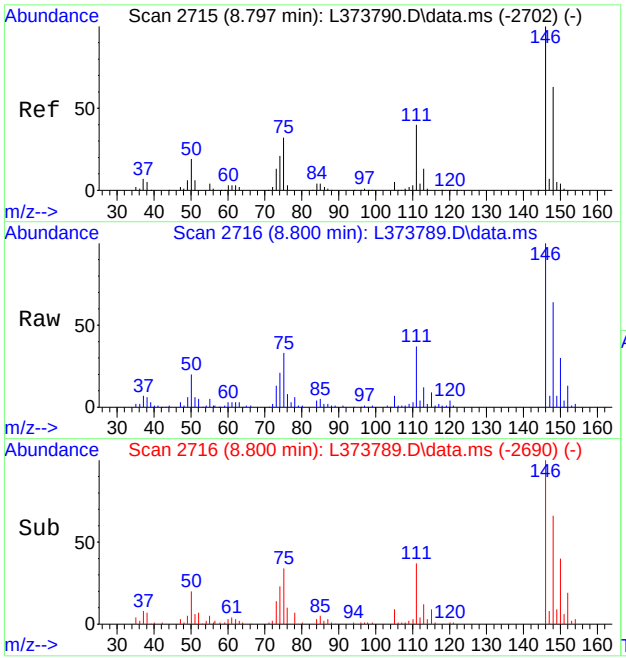


#110
p-isopropyltoluene
Concen: 17.93 ug/L
RT: 8.736 min Scan# 2696
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion:119 Resp: 163551

Ion	Ratio	Lower	Upper
119	100		
134	25.7	0.0	56.5
91	24.9	0.0	56.9

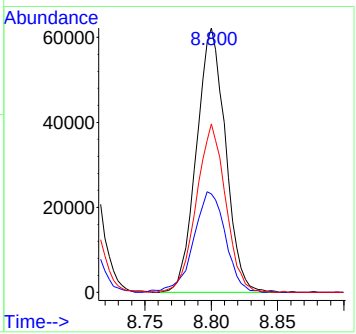


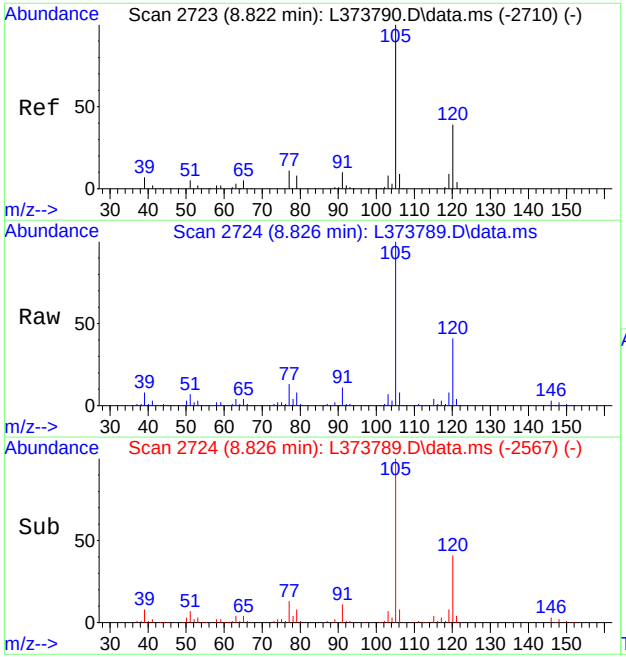


#111
1,4-dichlorobenzene
Concen: 16.86 ug/L
RT: 8.800 min Scan# 2716
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion:146 Resp: 94631

Ion	Ratio	Lower	Upper
146	100		
111	37.2	9.7	69.7
148	63.3	33.0	93.0

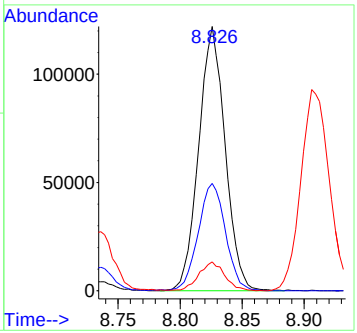


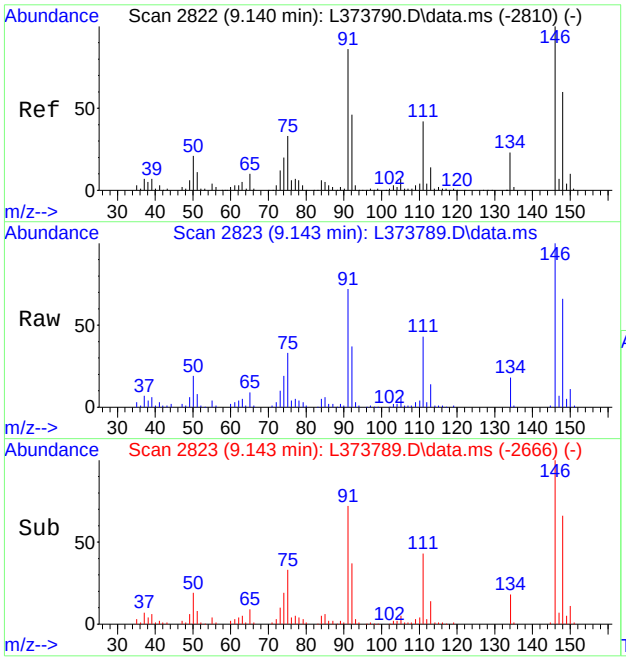


#112
1,2,3-trimethylbenzene
Concen: 17.35 ug/L
RT: 8.826 min Scan# 2724
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion:105 Resp: 180890

Ion	Ratio	Lower	Upper
105	100		
120	40.6	8.8	68.8
91	10.6	0.0	40.2

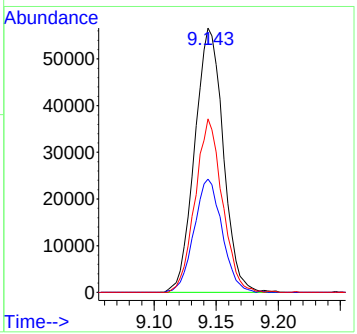


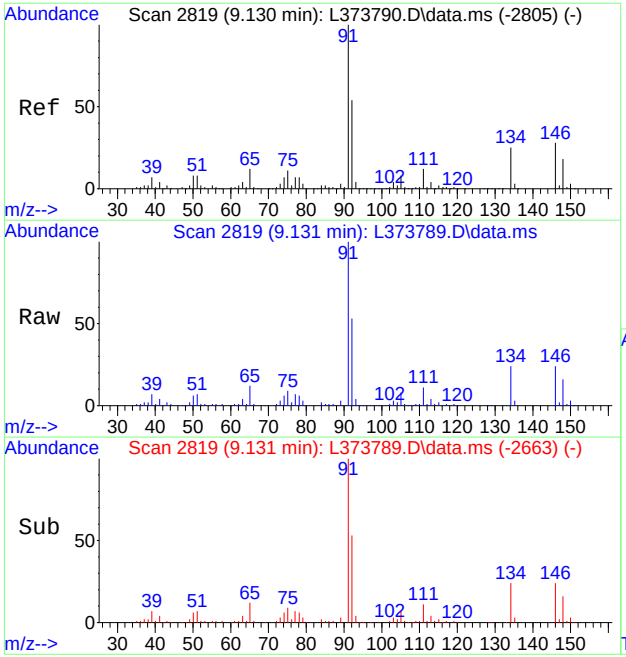


#113
1,2-dichlorobenzene
Concen: 17.44 ug/L
RT: 9.143 min Scan# 2823
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion:146 Resp: 90404

Ion	Ratio	Lower	Upper
146	100		
111	42.8	12.1	72.1
148	65.6	30.4	90.4

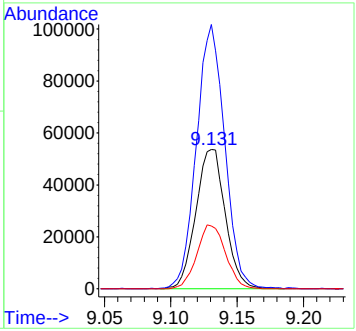


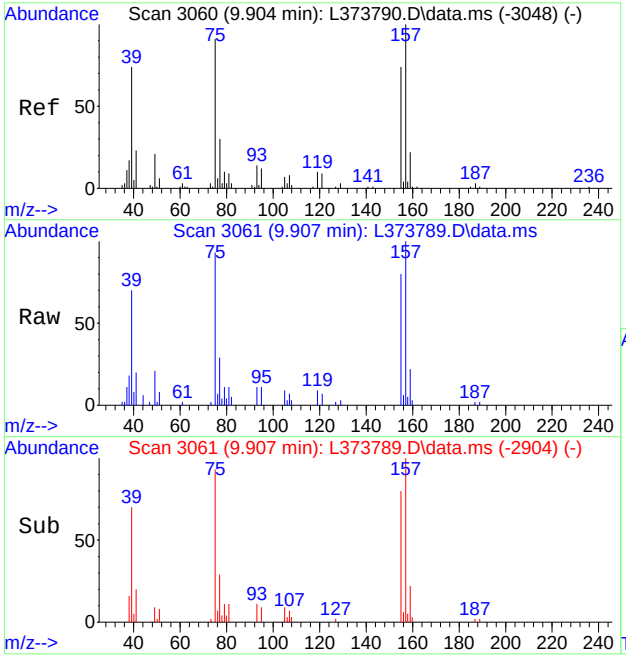


#114
n-butylbenzene
Concen: 18.50 ug/L
RT: 9.131 min Scan# 2819
Delta R.T. 0.000 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 92 Resp: 82993

Ion	Ratio	Lower	Upper
92	100		
91	189.6	155.4	215.4
134	45.1	15.6	75.6

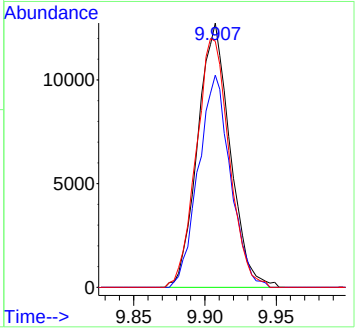


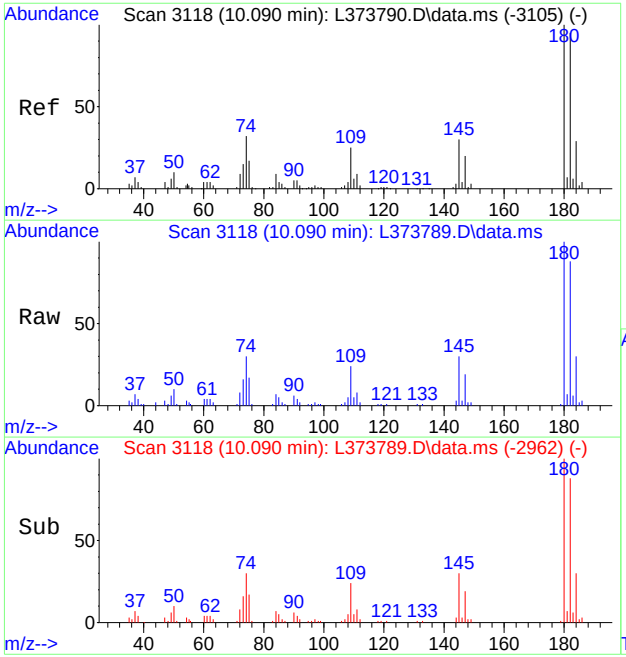


#115
1,2-dibromo-3-chloropropane
Concen: 16.98 ug/L
RT: 9.907 min Scan# 3061
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion:157 Resp: 20199

Ion	Ratio	Lower	Upper
157	100		
155	80.2	44.1	104.1
75	93.1	60.9	120.9

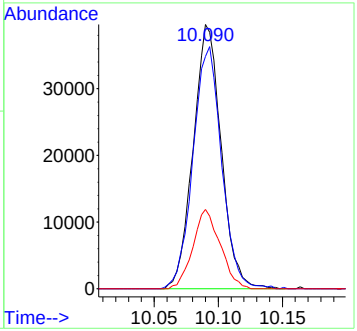


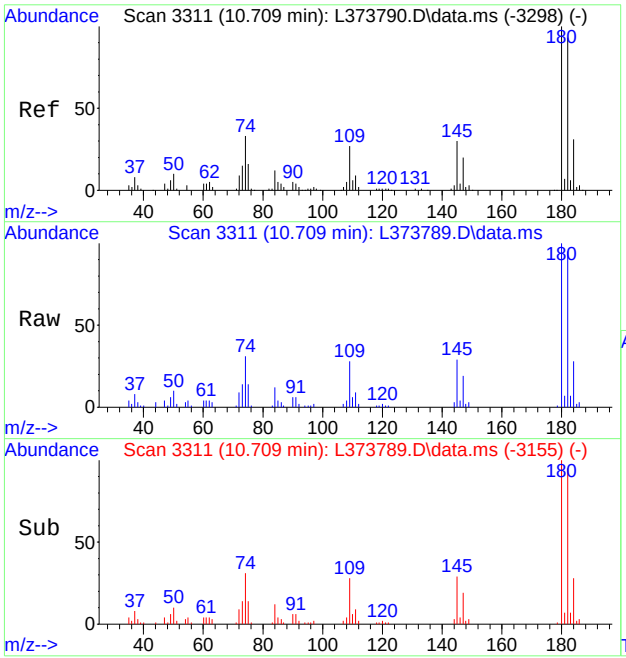


#116
1,3,5-trichlorobenzene
Concen: 18.62 ug/L
RT: 10.090 min Scan# 3118
Delta R.T. 0.000 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion:180 Resp: 60295

Ion	Ratio	Lower	Upper
180	100		
182	87.9	65.0	125.0
184	30.0	0.0	59.4

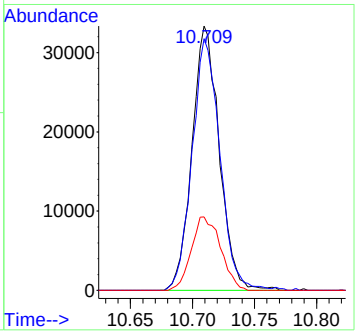


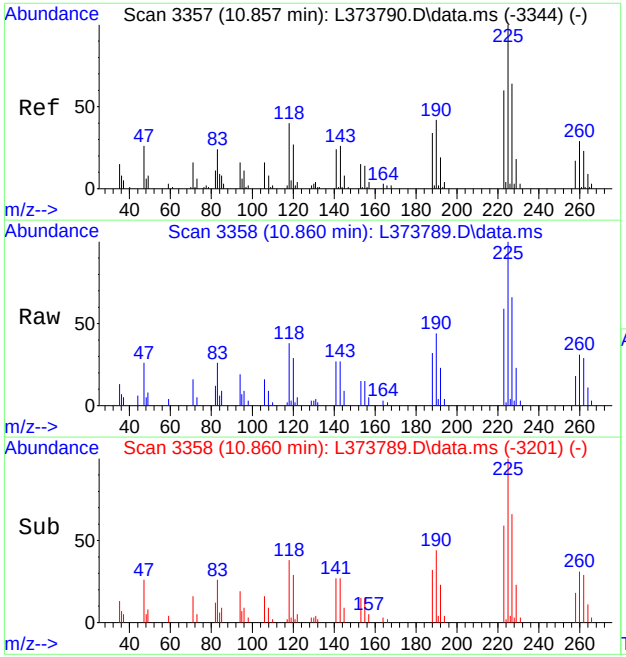


#117
1,2,4-trichlorobenzene
Concen: 17.81 ug/L
RT: 10.709 min Scan# 3311
Delta R.T. 0.000 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion:180 Resp: 50969

Ion	Ratio	Lower	Upper
180	100		
182	95.1	63.1	123.1
184	27.8	0.8	60.8

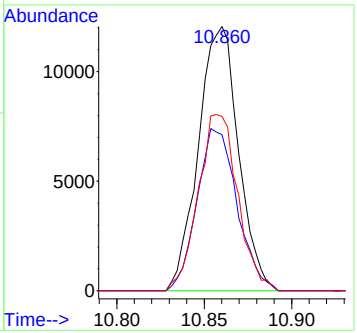


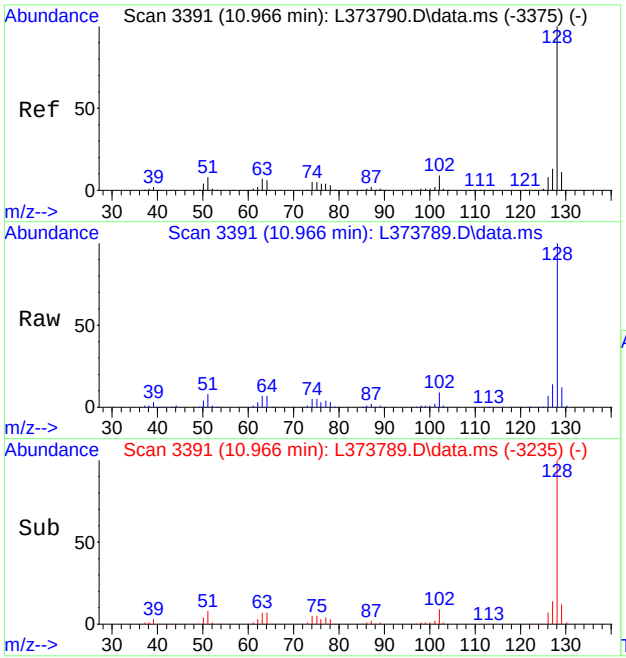


#118
hexachlorobutadiene
Concen: 17.86 ug/L
RT: 10.860 min Scan# 3358
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion:225 Resp: 19283

Ion	Ratio	Lower	Upper
225	100		
223	59.1	30.0	90.0
227	66.0	33.8	93.8

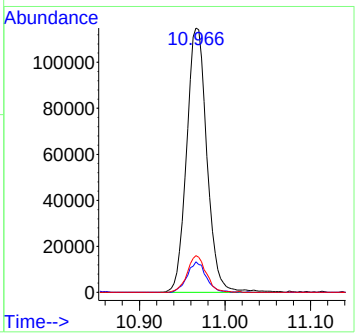


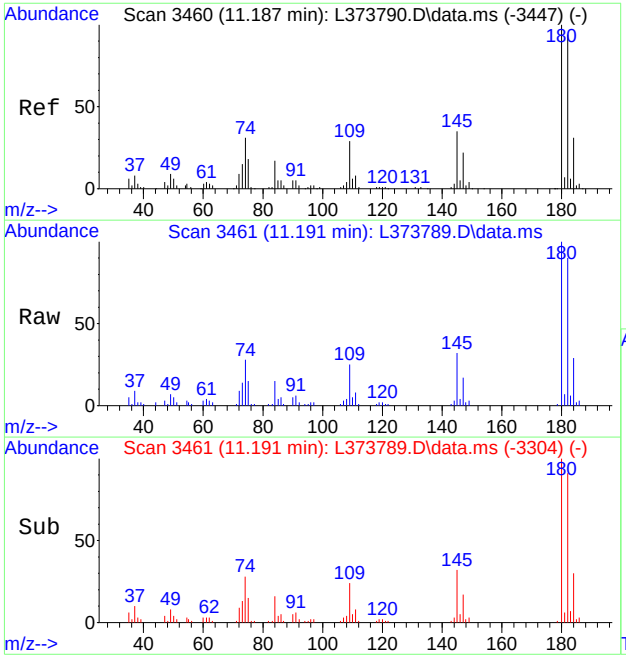


#119
naphthalene
Concen: 17.76 ug/L
RT: 10.966 min Scan# 3391
Delta R.T. 0.000 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion:128 Resp: 189801

Ion	Ratio	Lower	Upper
128	100		
129	11.6	0.0	41.1
127	13.9	0.0	42.9

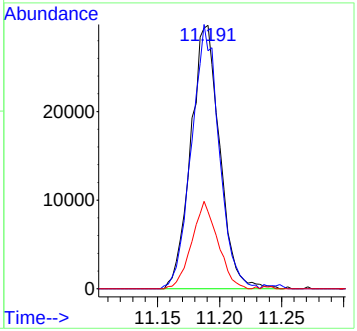


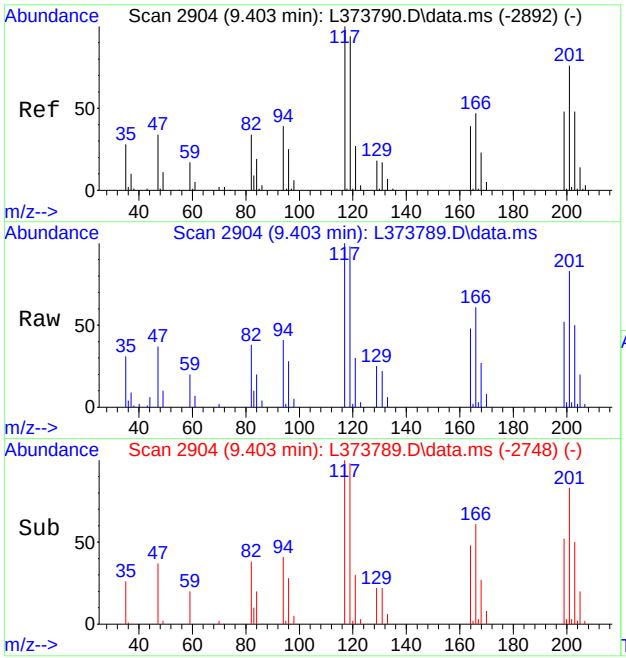


#120
1,2,3-trichlorobenzene
Concen: 17.52 ug/L
RT: 11.191 min Scan# 3461
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion:180 Resp: 48260

Ion	Ratio	Lower	Upper
180	100		
182	90.2	63.9	123.9
184	29.3	1.2	61.2

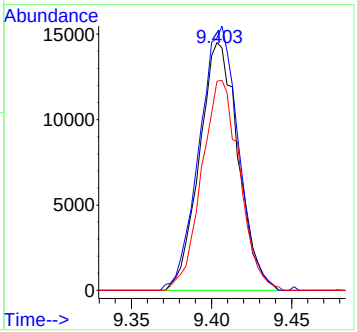


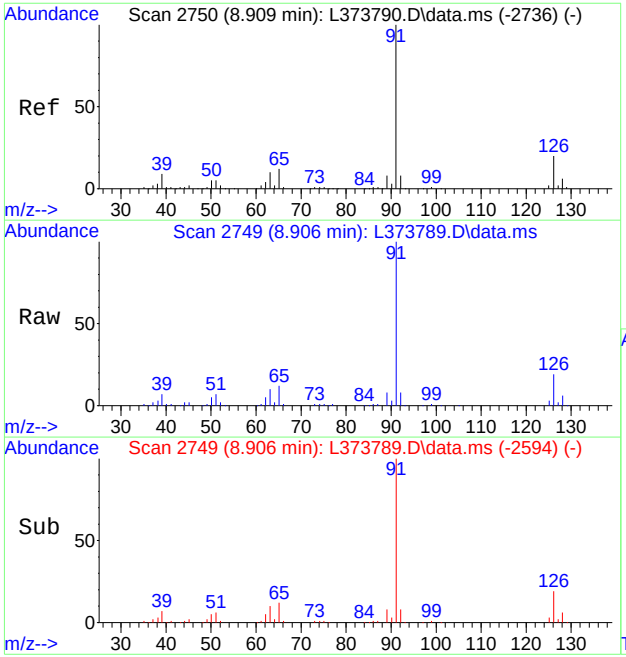


#121
hexachloroethane
Concen: 18.36 ug/L
RT: 9.403 min Scan# 2904
Delta R.T. 0.000 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion:119 Resp: 24441

Ion	Ratio	Lower	Upper
119	100		
117	101.9	76.2	136.2
201	84.4	51.2	111.2

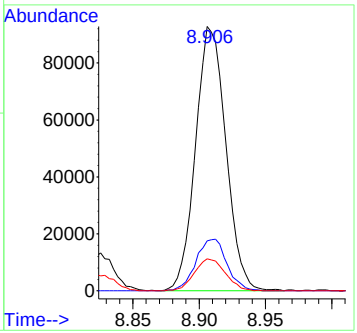


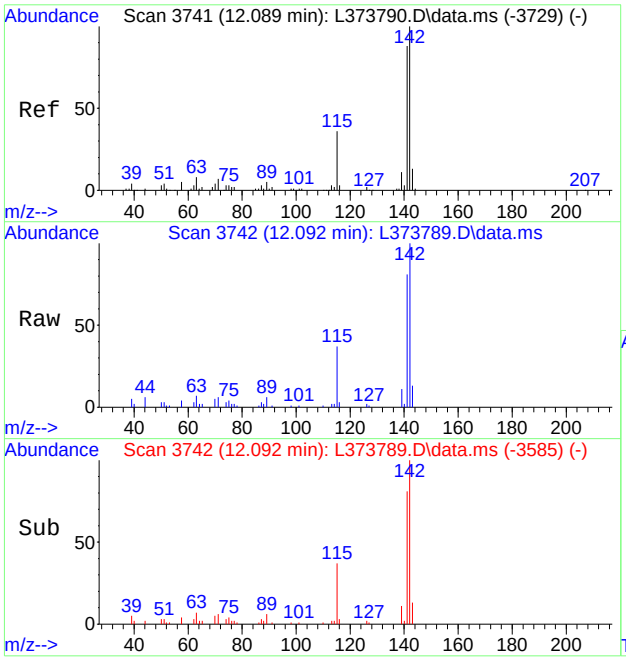


#122
benzyl chloride
Concen: 17.24 ug/L
RT: 8.906 min Scan# 2749
Delta R.T. -0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 91 Resp: 147801

Ion	Ratio	Lower	Upper
91	100		
126	18.9	0.0	49.8
65	12.1	0.0	41.8

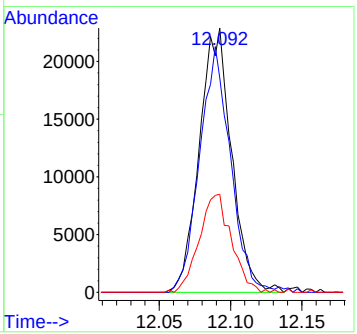




#123
2-methylnaphthalene
Concen: 8.59 ug/L
RT: 12.092 min Scan# 3742
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion:142 Resp: 35982

Ion	Ratio	Lower	Upper
142	100		
141	81.1	68.0	108.0
115	37.1	15.9	55.9



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373790.D
Acq On : 16 Oct 2025 8:56 pm
Operator : BridgetK
Sample : icc11472-50
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 17 09:34:21 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 09:33:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	2.610	65	298744	500.00	ug/L	0.00
5) pentafluorobenzene	3.749	168	242810	50.00	ug/L	0.00
51) 1,4-difluorobenzene	4.288	114	425103	50.00	ug/L	0.00
72) chlorobenzene-d5	6.608	117	325898	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	8.774	152	154460	50.00	ug/L	0.00
124) pentafluorobenzene(a)	3.749	168	242810	50.00	ug/L	0.00
131) 1,4-dichlorobenzene-d4(a)	8.774	152	154460	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	3.752	113	126937	50.00	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.00%			
52) 1,2-dichloroethane-d4 (s)	3.990	65	150128	49.99	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 99.98%			
73) toluene-d8 (s)	5.392	98	474110	50.00	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.00%			
97) 4-bromofluorobenzene (s)	7.677	95	168564	50.00	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.00%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.702	88	99904	1250.0000	ug/L	100
3) ethanol	2.087	45	320985	5000.0000	ug/L	100
4) tertiary butyl alcohol	2.661	59	213893	250.0000	ug/L	100
6) chlorodifluoromethane	1.368	51	179143	50.1950	ug/L	100
7) dichlorodifluoromethane	1.352	85	198401	49.9240	ug/L	100
8) chloromethane	1.487	50	172681	50.2848	ug/L	100
9) vinyl chloride	1.554	62	173461	49.8689	ug/L	100
10) 1,3-butadiene	1.580	54	157228	49.8071	ug/L	100
11) bromomethane	1.766	96	44611	50.0011	ug/L	98
12) chloroethane	1.837	64	71211	49.9348	ug/L	100
13) trichlorofluoromethane	1.997	101	235759	50.3004	ug/L	100
14) ethyl ether	2.164	74	74587	49.1376	ug/L	94
15) acrolein	2.254	56	32397	47.7283	ug/L	99
16) freon 113	2.321	151	99840	50.0000	ug/L	100
17) 1,1-dichloroethene	2.324	96	120276	50.0000	ug/L	100
18) acetone	2.337	58	90581	200.0000	ug/L	100
19) acetonitrile	2.514	40	174617	500.0000	ug/L	100
20) iodomethane	2.424	142	96098	50.0000	ug/L	100
21) iso-butyl alcohol	3.900	43	144931	466.0970	ug/L	100
22) carbon disulfide	2.475	76	361536	50.0000	ug/L	100
23) methylene chloride	2.626	84	138923	50.0000	ug/L	100
24) methyl acetate	2.527	74	36974	50.0000	ug/L	100
25) methyl tert butyl ether	2.780	73	412877	50.0000	ug/L	100
26) trans-1,2-dichloroethene	2.793	96	135157	50.0000	ug/L	100
27) hexane	2.960	57	180827	50.0000	ug/L	100
28) di-isopropyl ether	3.069	45	423806	50.0000	ug/L	100
29) ethyl tert-butyl ether	3.303	59	441911	50.0000	ug/L	100
30) 2-butanone	3.412	72	125232	200.0000	ug/L	100
31) 1,1-dichloroethane	3.069	63	252176	50.0000	ug/L	100
32) chloroprene	3.117	53	229868	50.0000	ug/L	100
33) acrylonitrile	2.761	53	71960	50.0000	ug/L	100
34) vinyl acetate	3.050	86	34843	51.4576	ug/L	99
35) ethyl acetate	3.428	45	37987	51.1100	ug/L	100
36) 2,2-dichloropropane	3.441	77	222920	50.0000	ug/L	100
37) cis-1,2-dichloroethene	3.435	96	147200	50.0000	ug/L	100
38) propionitrile	3.457	54	390889	500.0000	ug/L	100
39) methyl acrylate	3.467	85	33399	50.0000	ug/L	100
40) bromochloromethane	3.589	128	63636	50.0000	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373790.D
Acq On : 16 Oct 2025 8:56 pm
Operator : BridgetK
Sample : icc11472-50
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 17 09:34:21 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 09:33:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) tetrahydrofuran	3.598	72	36840	50.0000	ug/L	100
42) chloroform	3.646	83	258590	50.0000	ug/L	100
44) methacrylonitrile	3.557	67	85996	50.0000	ug/L	100
45) 1,1,1-trichloroethane	3.775	97	227225	50.0000	ug/L	100
46) cyclohexane	3.826	84	194085	48.9948	ug/L	100
47) 1,1-dichloropropene	3.877	75	195653	50.0000	ug/L	100
48) carbon tetrachloride	3.881	117	188536	50.0000	ug/L	100
49) isopropyl acetate	4.006	87	41908	49.9964	ug/L	94
50) tert amyl alcohol	3.987	55	69192	241.4640	ug/L	99
53) tert-amyl methyl ether	4.083	73	430483	50.0000	ug/L	100
54) 2,2,4-trimethylpentane	4.080	57	334798	50.0000	ug/L	100
55) n-butyl alcohol	4.362	56	563577	2500.0000	ug/L	100
56) benzene	4.015	78	552096	50.0000	ug/L	100
57) heptane	4.192	57	69787	50.0000	ug/L	100
58) 1,2-dichloroethane	4.041	62	205235	50.0000	ug/L	100
59) trichloroethene	4.468	95	146922	50.0000	ug/L	100
60) ethyl acrylate	4.500	55	242728	49.9971	ug/L	100
61) 2-nitropropane	5.004	41	70778	49.1139	ug/L	100
62) 2-chloroethyl vinyl ether	5.042	63	234305	250.0000	ug/L	100
63) methyl methacrylate	4.673	100	48310	50.0000	ug/L	100
64) 1,2-dichloropropane	4.657	63	141792	50.2570	ug/L	100
65) methylcyclohexane	4.648	83	210455	50.0000	ug/L	100
66) dibromomethane	4.725	93	95331	50.0000	ug/L	100
67) bromodichloromethane	4.847	83	196510	50.0000	ug/L	100
68) cis-1,3-dichloropropene	5.177	75	228022	50.0000	ug/L	100
69) epichlorohydrin	5.090	57	140557	250.0000	ug/L	100
70) 4-methyl-2-pentanone	5.280	58	341432	200.9310	ug/L	100
71) 3-methyl-1-butanol	5.315	70	208571	1007.1563	ug/L	98
74) toluene	5.447	92	333014	50.0000	ug/L	100
75) trans-1,3-dichloropropene	5.623	75	216574	50.0000	ug/L	100
76) ethyl methacrylate	5.655	69	201459	50.0000	ug/L	100
77) 1,1,2-trichloroethane	5.787	83	112023	50.0000	ug/L	100
78) 2-hexanone	5.954	58	359719	200.0000	ug/L	100
79) tetrachloroethene	5.870	166	137195	50.0000	ug/L	100
80) 1,3-dichloropropane	5.925	76	217989	50.0000	ug/L	100
81) butyl acetate	6.047	56	117763	50.0000	ug/L	100
82) dibromochloromethane	6.108	129	141234	50.0000	ug/L	100
83) 1,2-dibromoethane	6.214	107	138256	50.0000	ug/L	100
84) n-butyl ether	6.711	57	552377	49.9911	ug/L	100
85) chlorobenzene	6.634	112	339698	50.0000	ug/L	100
86) 1,1,1,2-tetrachloroethane	6.711	131	125793	50.0000	ug/L	100
87) ethylbenzene	6.717	91	613342	50.1021	ug/L	100
88) m,p-xylene	6.830	106	465173	100.0118	ug/L	100
89) o-xylene	7.179	106	224447	50.0000	ug/L	100
90) butyl acrylate	7.122	55	312419	50.0000	ug/L	100
91) styrene	7.196	104	385514	50.0000	ug/L	100
92) bromoform	7.362	173	102774	50.0000	ug/L	100
93) n-amyl acetate	7.327	70	118226	50.0000	ug/L	100
94) isopropylbenzene	7.513	105	558997	50.0000	ug/L	100
95) cis-1,4-dichloro-2-butene	7.571	88	49152	50.0000	ug/L	100
98) bromobenzene	7.812	156	136937	50.0000	ug/L	100
99) 1,1,2,2-tetrachloroethane	7.802	83	200016	49.8828	ug/L	100
100) trans-1,4-dichloro-2-b...	7.837	53	42544	50.0588	ug/L	88
101) 1,2,3-trichloropropane	7.857	110	59113	50.0000	ug/L	100
102) n-propylbenzene	7.901	91	677704	50.1099	ug/L	100
103) 2-chlorotoluene	7.988	126	129794	50.0888	ug/L	99
104) 4-chlorotoluene	8.104	126	135197	51.8943	ug/L	100
105) 1,3,5-trimethylbenzene	8.072	105	476265	50.0000	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373790.D
Acq On : 16 Oct 2025 8:56 pm
Operator : BridgetK
Sample : icc11472-50
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 17 09:34:21 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 09:33:22 2025
Response via : Initial Calibration

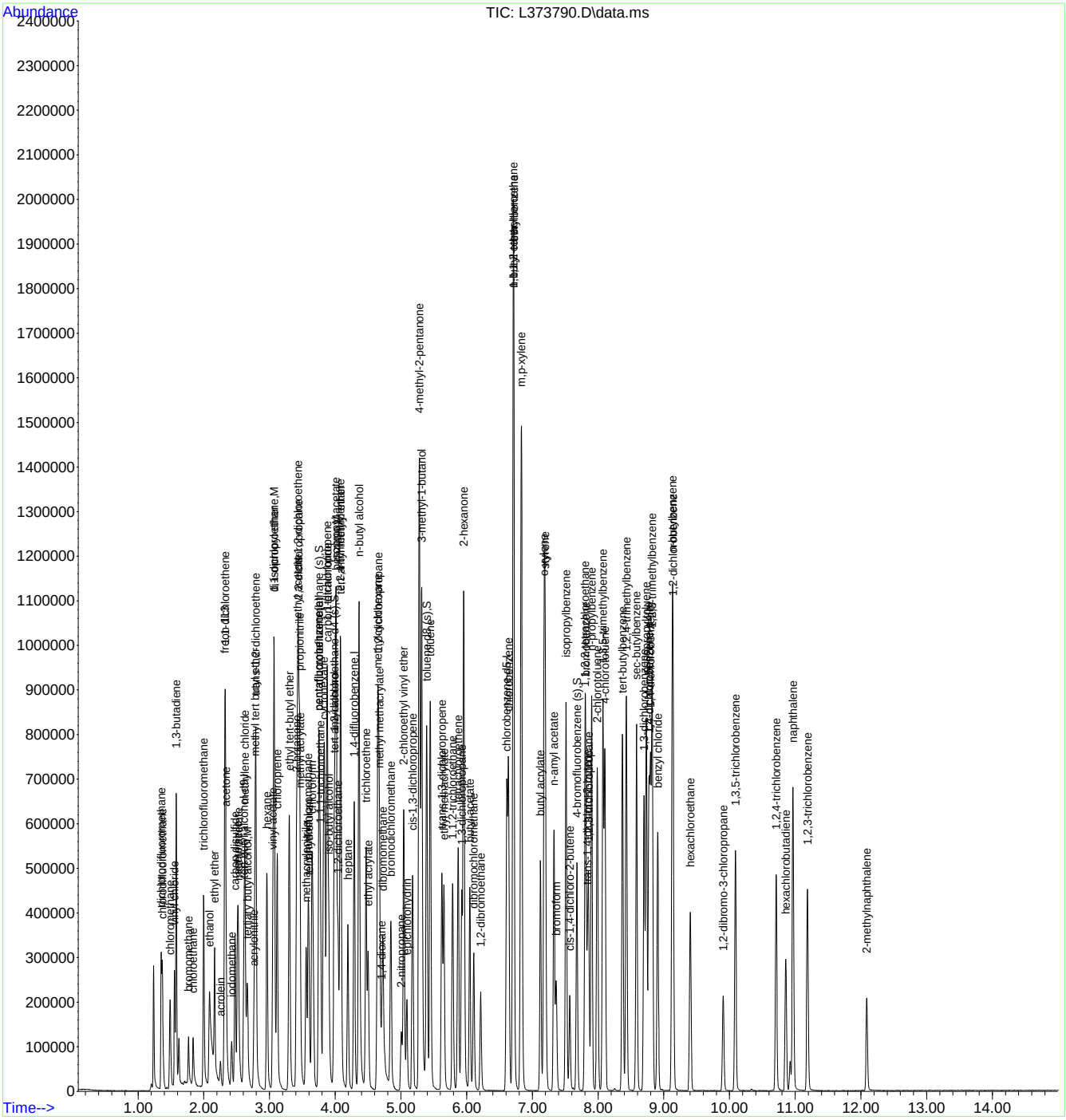
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
106) tert-butylbenzene	8.373	119	364979	49.6627	ug/L	100
107) 1,2,4-trimethylbenzene	8.431	105	478571	50.0000	ug/L	100
108) sec-butylbenzene	8.585	105	550627	50.0000	ug/L	100
109) 1,3-dichlorobenzene	8.700	146	250561	50.0014	ug/L	100
110) p-isopropyltoluene	8.733	119	455338	50.0000	ug/L	100
111) 1,4-dichlorobenzene	8.797	146	253758	49.9813	ug/L	100
112) 1,2,3-trimethylbenzene	8.822	105	494160	50.0000	ug/L	100
113) 1,2-dichlorobenzene	9.140	146	242696	50.0000	ug/L	100
114) n-butylbenzene	9.130	92	229080	50.0000	ug/L	100
115) 1,2-dibromo-3-chloropr...	9.904	157	55204	50.0000	ug/L	100
116) 1,3,5-trichlorobenzene	10.090	180	163678	50.0000	ug/L	100
117) 1,2,4-trichlorobenzene	10.709	180	143559	50.0000	ug/L	100
118) hexachlorobutadiene	10.857	225	54325	50.0000	ug/L	100
119) naphthalene	10.966	128	523349	50.0000	ug/L	100
120) 1,2,3-trichlorobenzene	11.187	180	133059	50.0000	ug/L	100
121) hexachloroethane	9.403	119	73315	50.0000	ug/L	100
122) benzyl chloride	8.909	91	403261	50.0000	ug/L	100
123) 2-methylnaphthalene	12.089	142	99907	25.0000	ug/L	100

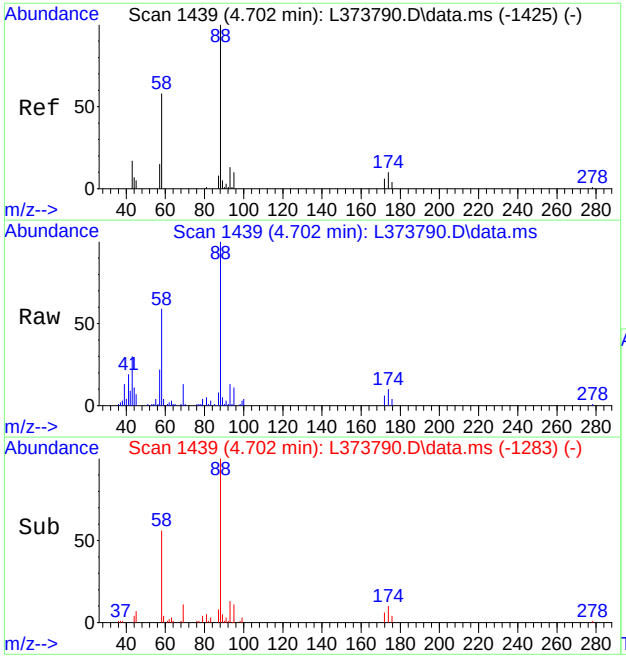
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373790.D
Acq On : 16 Oct 2025 8:56 pm
Operator : BridgetK
Sample : icc11472-50
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 17 09:34:21 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 09:33:22 2025
Response via : Initial Calibration

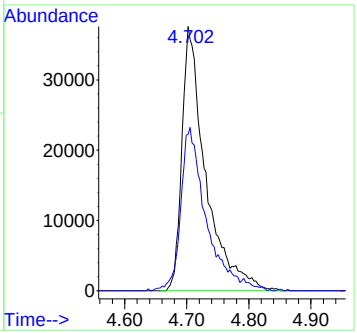


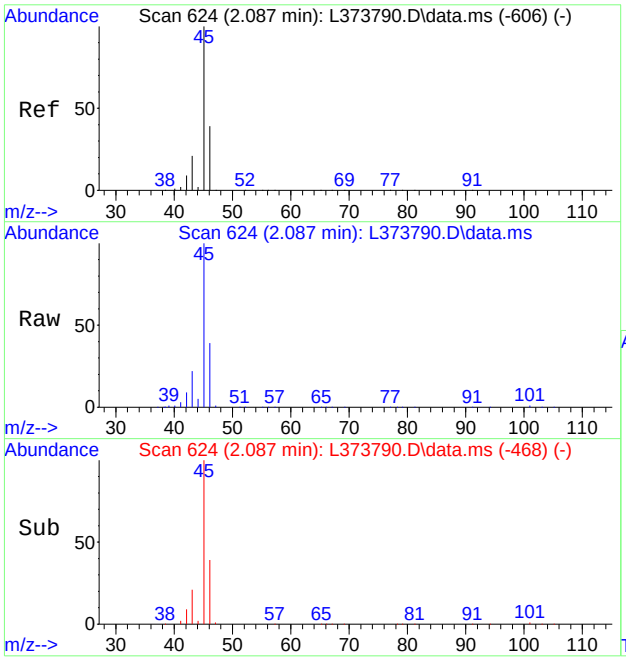


#2
1,4-dioxane
Concen: 1250.00 ug/L
RT: 4.702 min Scan# 1439
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 88 Resp: 99904

Ion	Ratio	Lower	Upper
88	100		
58	59.1	29.1	89.1

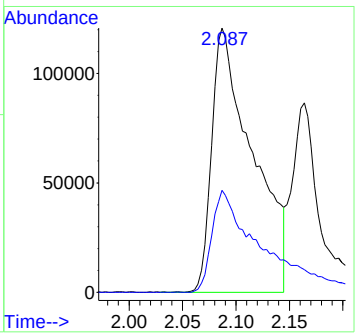


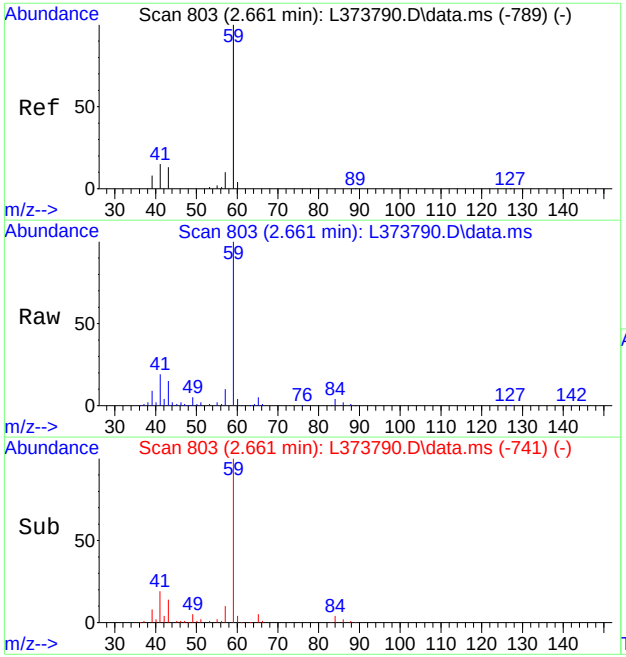


#3
ethanol
Concen: 5000.00 ug/L
RT: 2.087 min Scan# 624
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 45 Resp: 320985

Ion	Ratio	Lower	Upper
45	100		
46	38.6	18.6	58.6

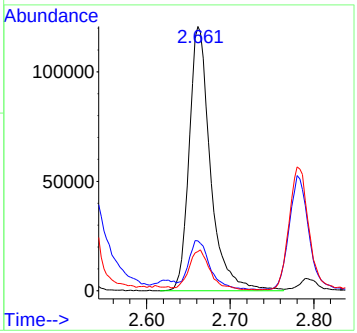


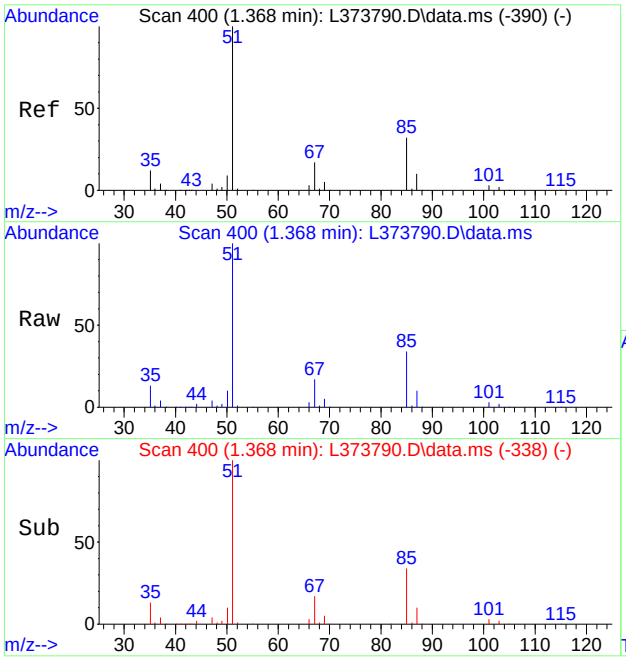


#4
tertiary butyl alcohol
Concen: 250.00 ug/L
RT: 2.661 min Scan# 803
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 59 Resp: 213893

Ion	Ratio	Lower	Upper
59	100		
41	15.3	0.0	45.3
43	13.5	0.0	43.5

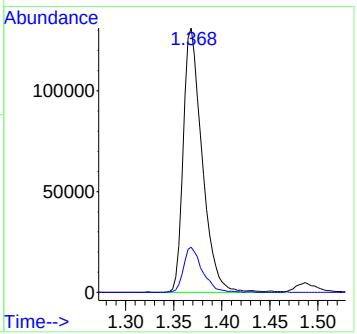


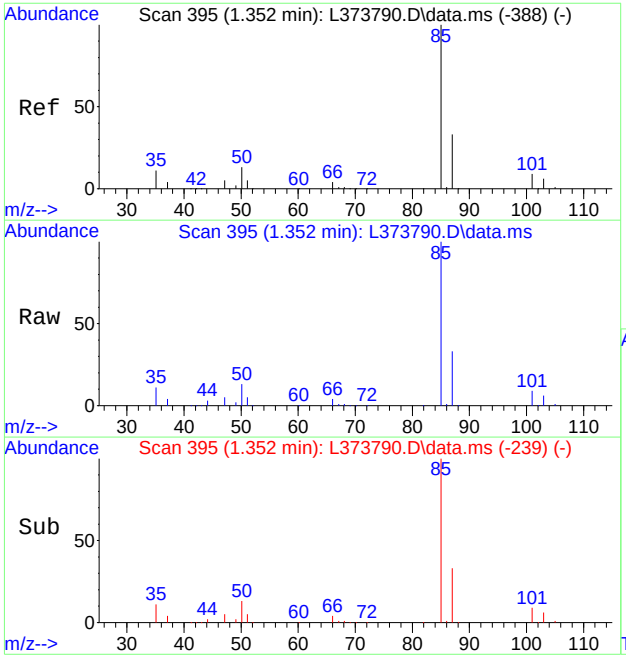


#6
chlorodifluoromethane
Concen: 50.20 ug/L
RT: 1.368 min Scan# 400
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 51 Resp: 179143

Ion	Ratio	Lower	Upper
51	100		
67	17.0	0.0	37.0

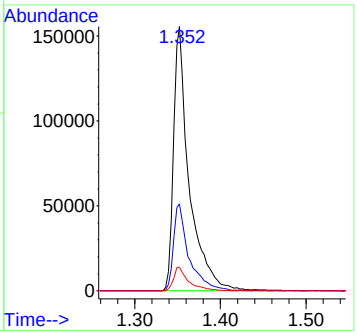


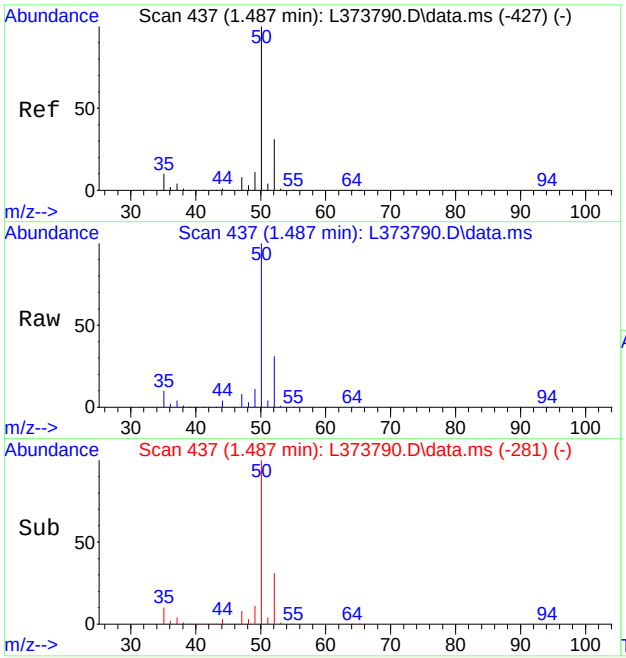


#7
dichlorodifluoromethane
Concen: 49.92 ug/L
RT: 1.352 min Scan# 395
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 85 Resp: 198401

Ion	Ratio	Lower	Upper
85	100		
87	32.8	2.8	62.8
101	8.9	0.0	38.9

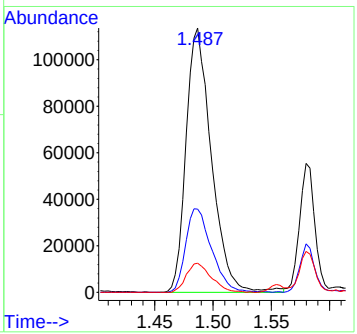


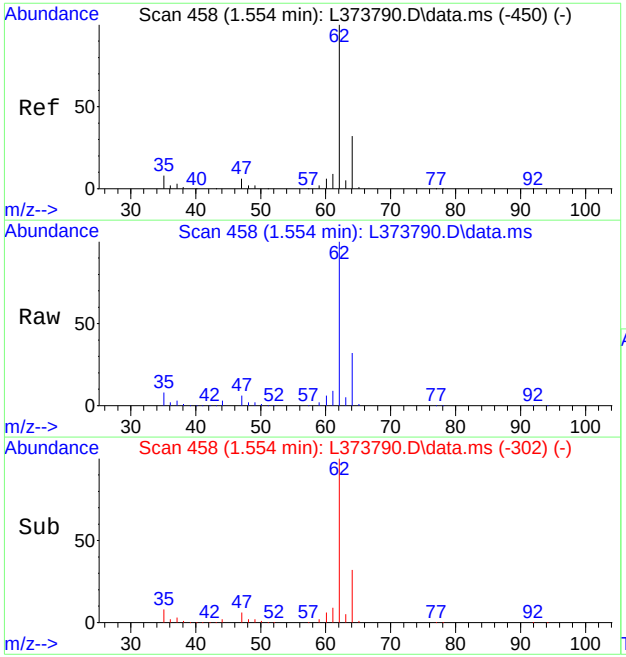


#8
chloromethane
Concen: 50.28 ug/L
RT: 1.487 min Scan# 437
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 50 Resp: 172681

Ion	Ratio	Lower	Upper
50	100		
52	31.5	1.5	61.5
49	11.1	0.0	41.1

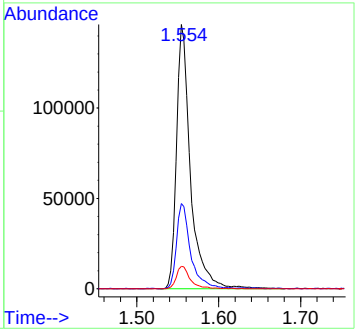


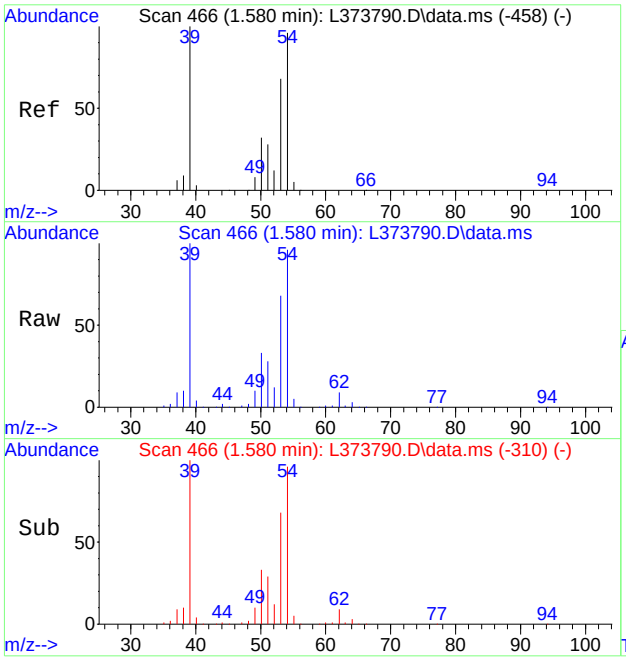


#9
vinyl chloride
Concen: 49.87 ug/L
RT: 1.554 min Scan# 458
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 62 Resp: 173461

Ion	Ratio	Lower	Upper
62	100		
64	32.2	2.2	62.2
61	8.5	0.0	38.5

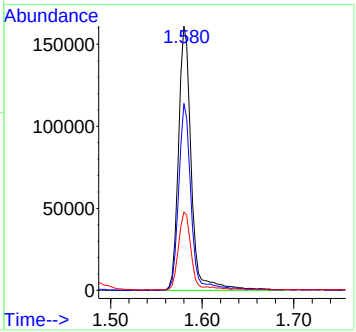


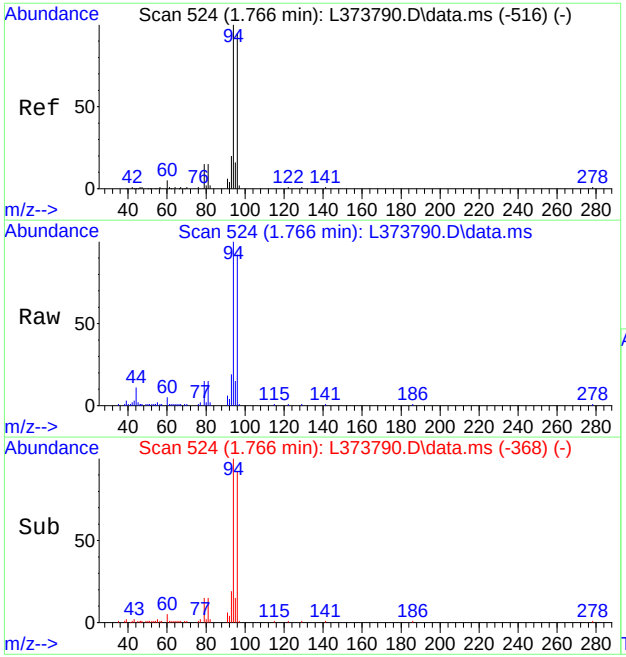


#10
1,3-butadiene
Concen: 49.81 ug/L
RT: 1.580 min Scan# 466
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 54 Resp: 157228

Ion	Ratio	Lower	Upper
54	100		
53	70.7	40.7	100.7
51	29.5	0.0	59.7

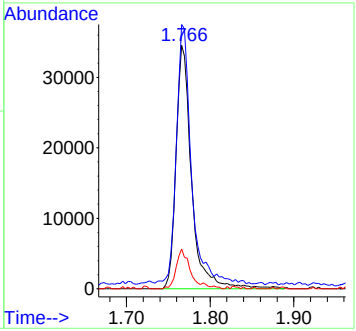


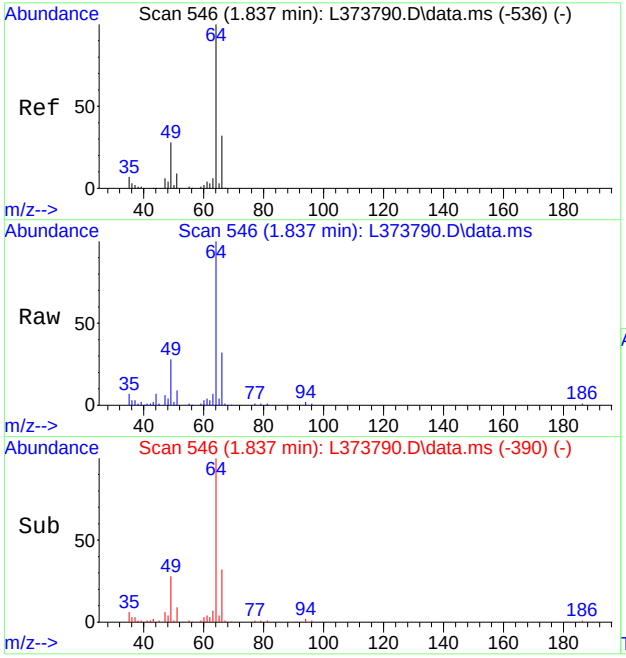


#11
bromomethane
Concen: 50.00 ug/L
RT: 1.766 min Scan# 524
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 96 Resp: 44611

Ion	Ratio	Lower	Upper
96	100		
94	106.7	78.5	138.5
95	16.3	0.0	46.3

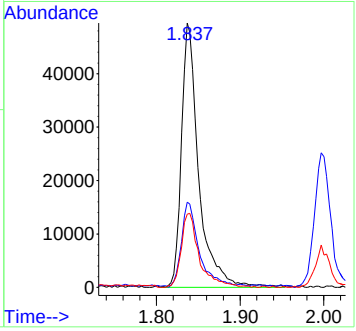


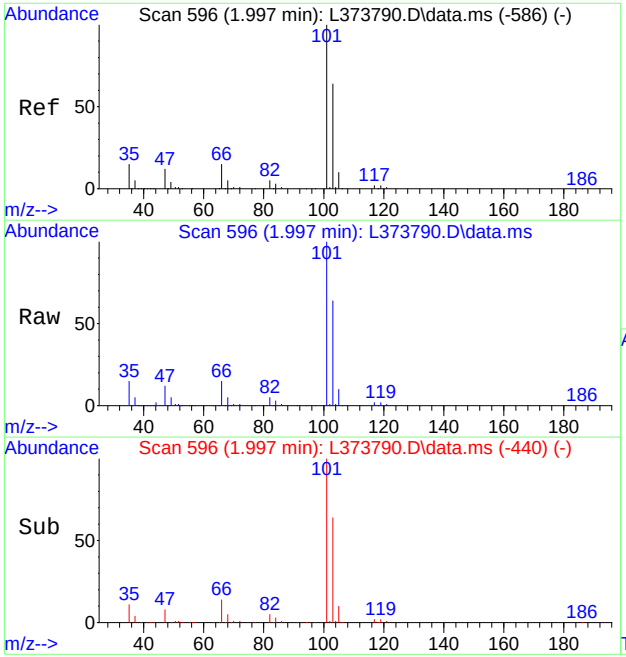


#12
chloroethane
Concen: 49.93 ug/L
RT: 1.837 min Scan# 546
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 64 Resp: 71211

Ion	Ratio	Lower	Upper
64	100		
66	31.8	2.2	62.2
49	27.7	0.0	57.7

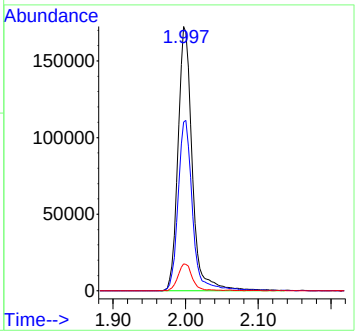


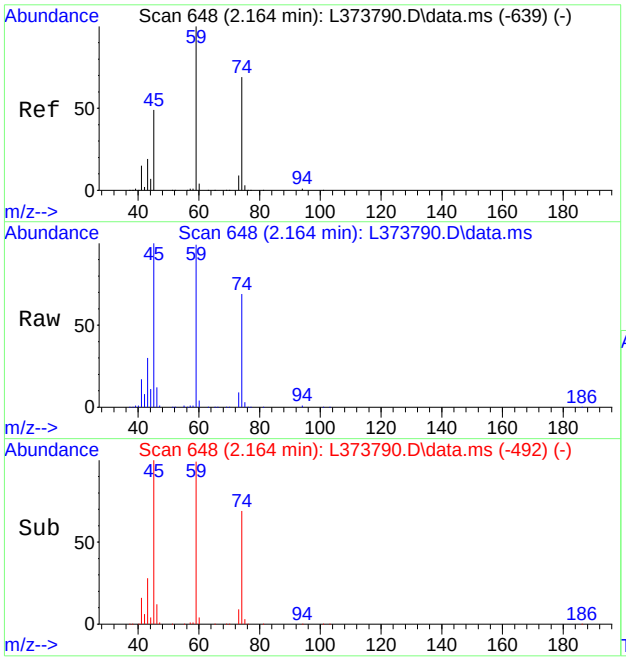


#13
trichlorofluoromethane
Concen: 50.30 ug/L
RT: 1.997 min Scan# 596
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion:101 Resp: 235759

Ion	Ratio	Lower	Upper
101	100		
103	63.8	33.8	93.8
105	10.0	0.0	40.2

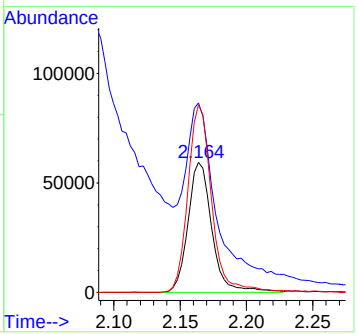


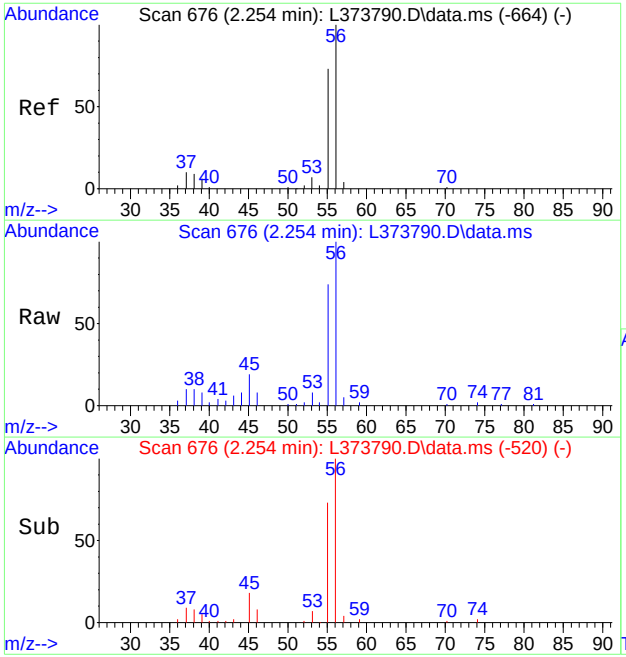


#14
ethyl ether
Concen: 49.14 ug/L
RT: 2.164 min Scan# 648
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 74 Resp: 74587

Ion	Ratio	Lower	Upper
74	100		
45	132.0	115.8	175.8
59	144.2	114.2	174.2

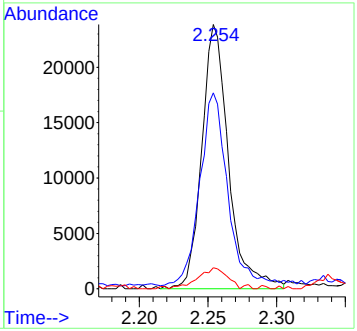


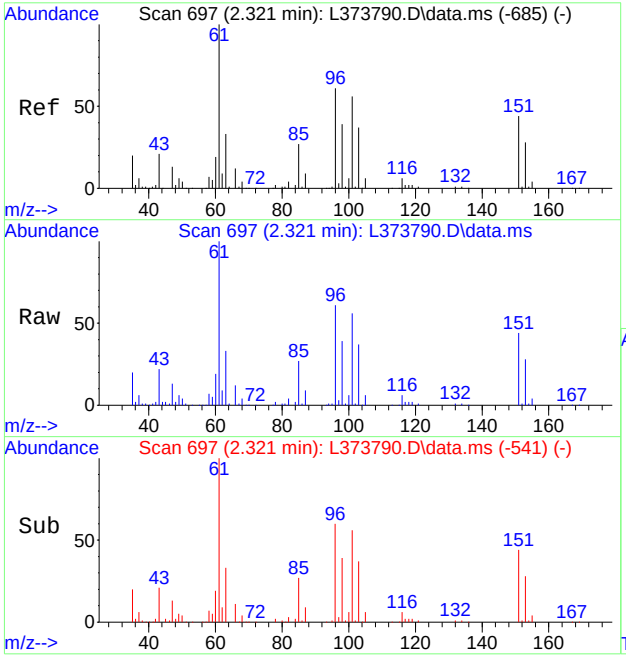


#15
acrolein
Concen: 47.73 ug/L
RT: 2.254 min Scan# 676
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 56 Resp: 32397

Ion	Ratio	Lower	Upper
56	100		
55	72.9	44.1	104.1
53	8.0	0.0	38.0

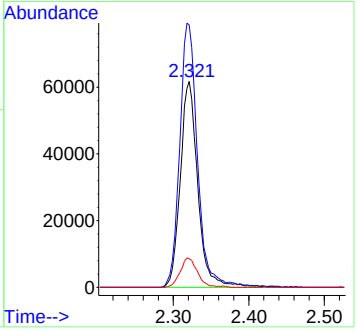


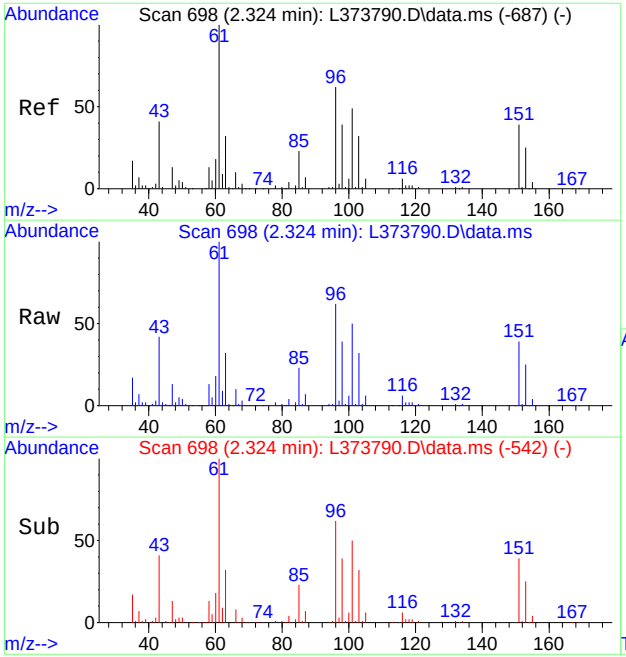


#16
freon 113
Concen: 50.00 ug/L
RT: 2.321 min Scan# 697
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion:151 Resp: 99840

Ion	Ratio	Lower	Upper
151	100		
101	127.4	107.4	147.4
116	13.9	0.0	33.9

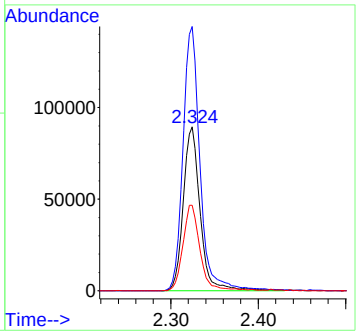


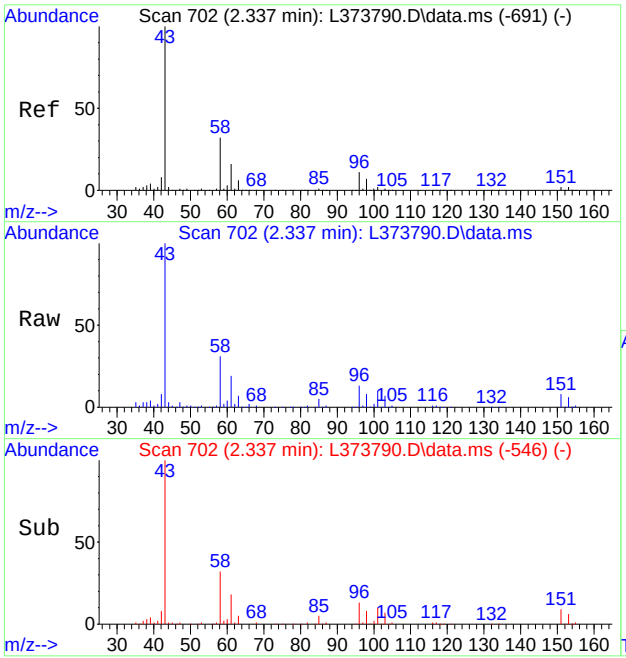


#17
1,1-dichloroethene
Concen: 50.00 ug/L
RT: 2.324 min Scan# 698
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 96 Resp: 120276

Ion	Ratio	Lower	Upper
96	100		
61	161.4	131.4	191.4
63	52.3	22.3	82.3

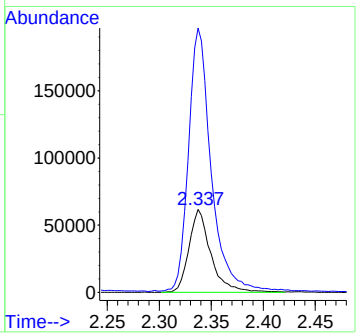


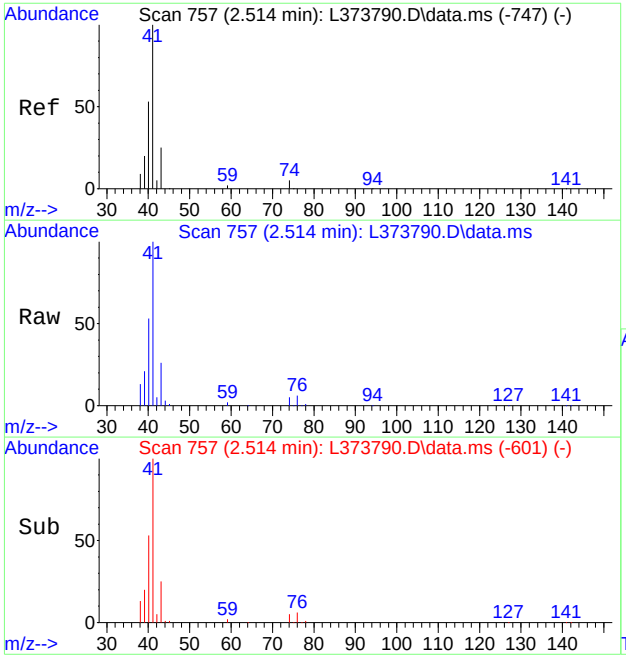


#18
acetone
Concen: 200.00 ug/L
RT: 2.337 min Scan# 702
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 58 Resp: 90581

Ion	Ratio	Lower	Upper
58	100		
43	316.5	286.5	346.5

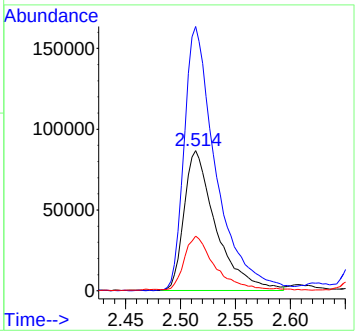


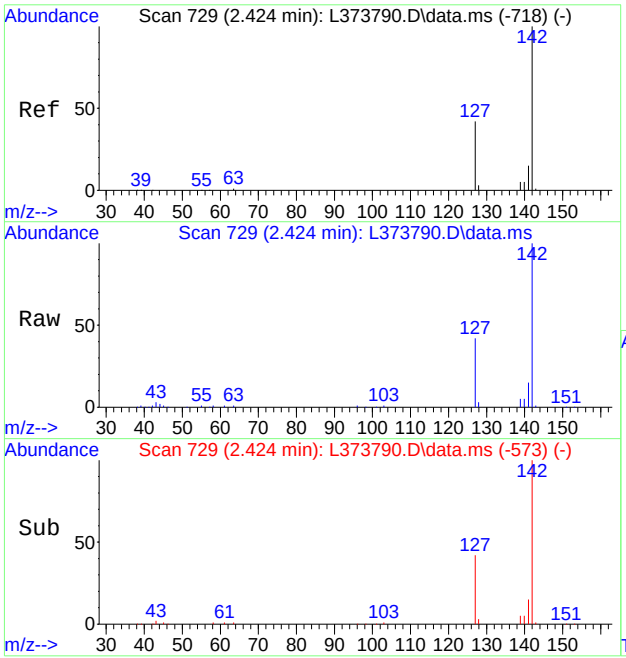


#19
acetonitrile
Concen: 500.00 ug/L
RT: 2.514 min Scan# 757
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 40 Resp: 174617

Ion	Ratio	Lower	Upper
40	100		
41	188.5	158.5	218.5
39	38.2	8.2	68.2

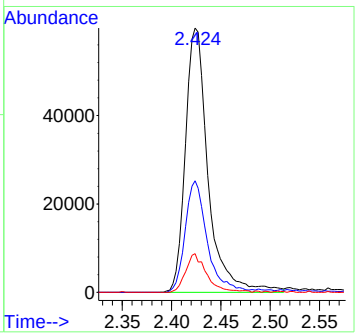


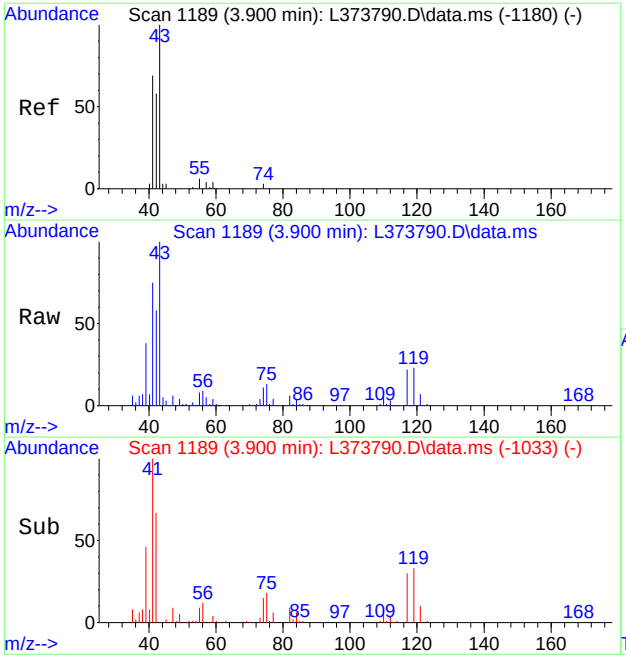


#20
iodomethane
Concen: 50.00 ug/L
RT: 2.424 min Scan# 729
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion:142 Resp: 96098

Ion	Ratio	Lower	Upper
142	100		
127	42.2	12.2	72.2
141	14.6	0.0	44.6

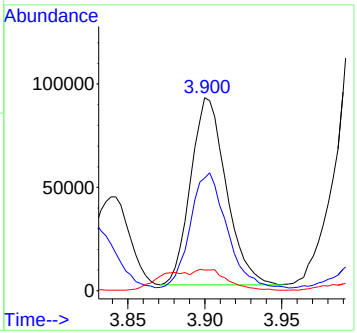


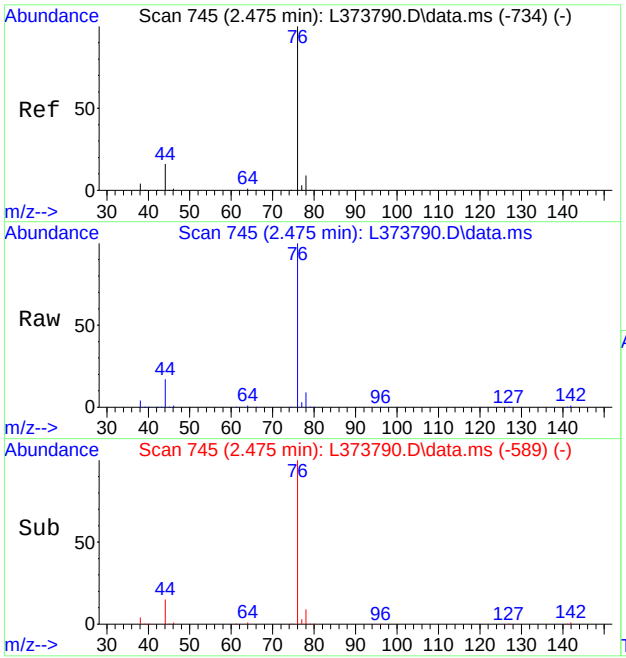


#21
iso-butyl alcohol
Concen: 466.10 ug/L
RT: 3.900 min Scan# 1189
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 43 Resp: 144931

Ion	Ratio	Lower	Upper
43	100		
42	58.3	28.3	88.3
74	10.9	0.0	40.9

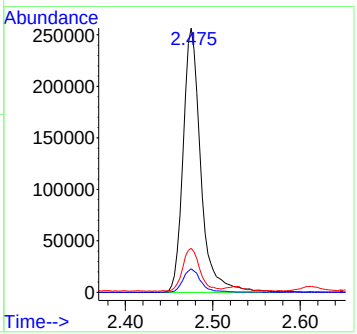


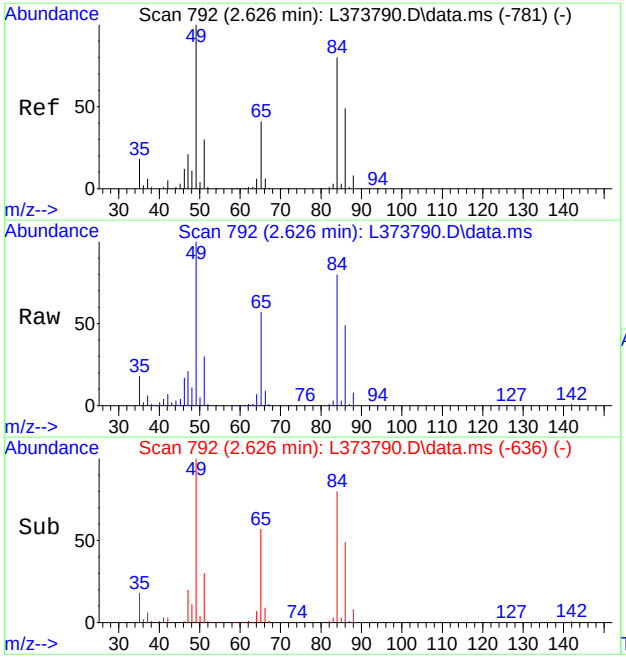


#22
carbon disulfide
Concen: 50.00 ug/L
RT: 2.475 min Scan# 745
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 76 Resp: 361536

Ion	Ratio	Lower	Upper
76	100		
78	8.9	0.0	38.9
44	16.1	0.0	46.1

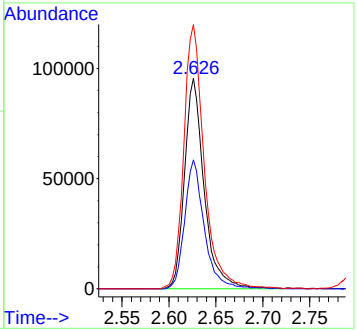


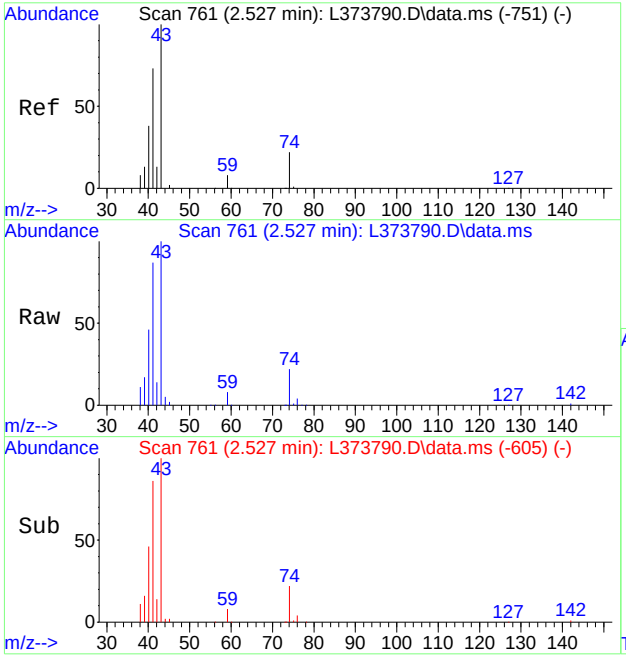


#23
methylene chloride
Concen: 50.00 ug/L
RT: 2.626 min Scan# 792
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 84 Resp: 138923

Ion	Ratio	Lower	Upper
84	100		
86	61.2	31.2	91.2
49	125.6	95.6	155.6

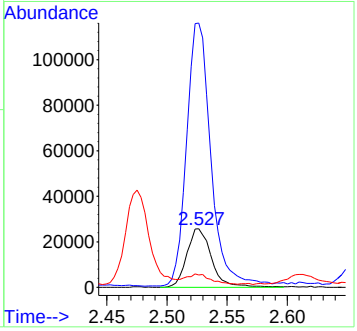


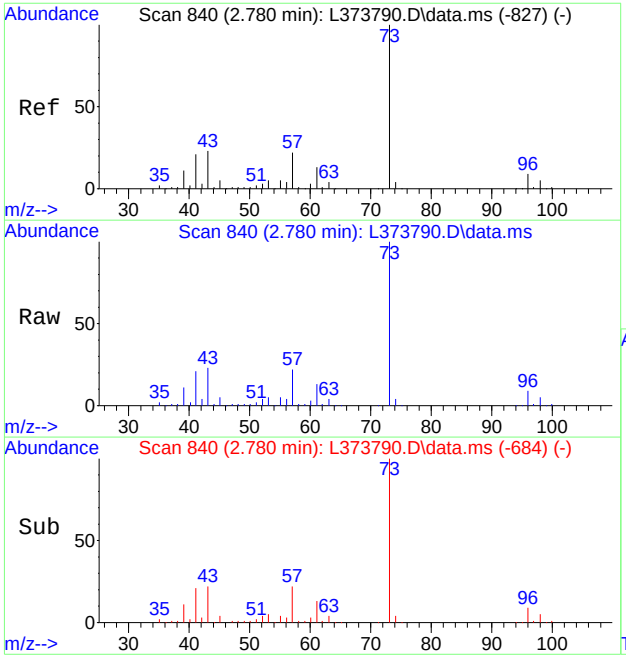


#24
methyl acetate
Concen: 50.00 ug/L
RT: 2.527 min Scan# 761
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 74 Resp: 36974

Ion	Ratio	Lower	Upper
74	100		
43	447.7	417.7	477.7
44	9.0	0.0	39.0

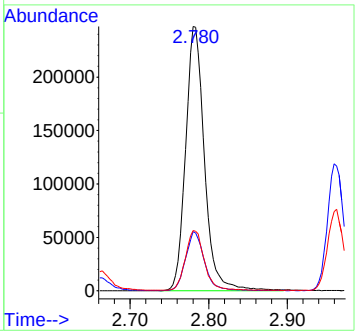


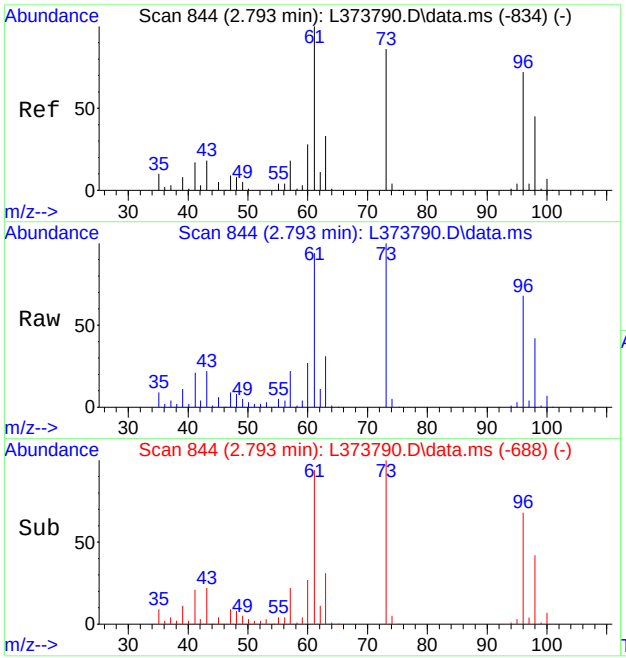


#25
methyl tert butyl ether
Concen: 50.00 ug/L
RT: 2.780 min Scan# 840
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 73 Resp: 412877

Ion	Ratio	Lower	Upper
73	100		
57	22.4	0.0	52.4
43	22.7	0.0	52.7

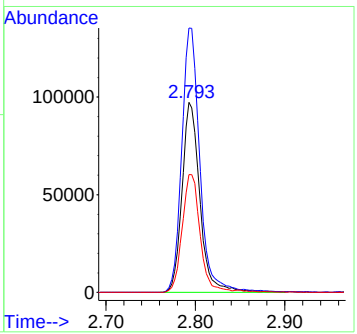


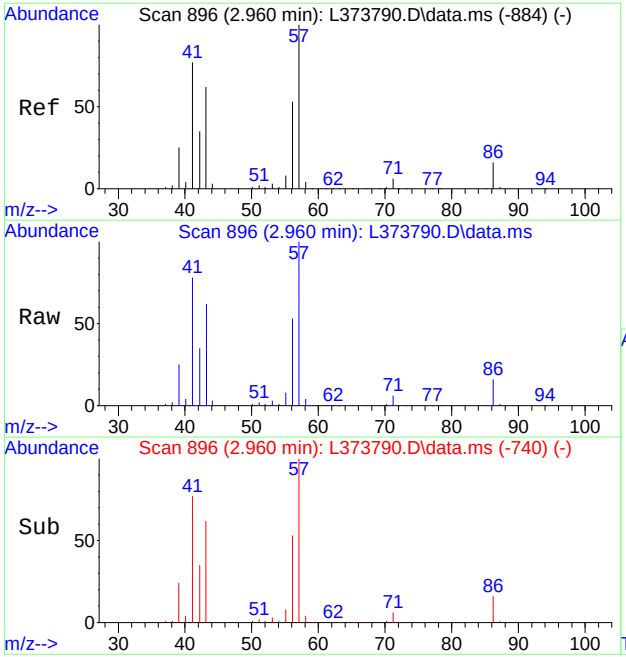


#26
trans-1,2-dichloroethene
Concen: 50.00 ug/L
RT: 2.793 min Scan# 844
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 96 Resp: 135157

Ion	Ratio	Lower	Upper
96	100		
61	139.1	109.1	169.1
98	62.0	32.0	92.0

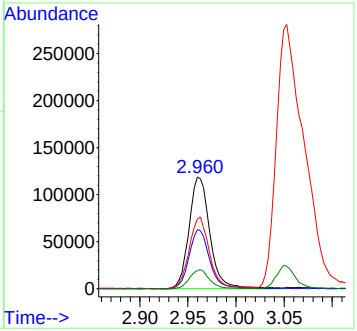


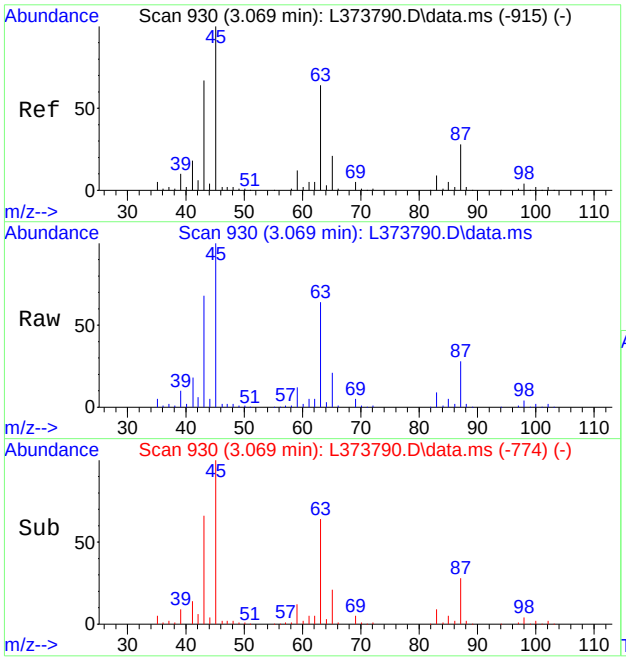


#27
hexane
Concen: 50.00 ug/L
RT: 2.960 min Scan# 896
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 57 Resp: 180827

Ion	Ratio	Lower	Upper
57	100		
56	52.9	32.9	72.9
43	61.9	41.9	81.9
86	16.3	0.0	36.3

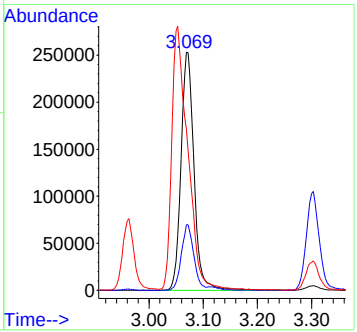


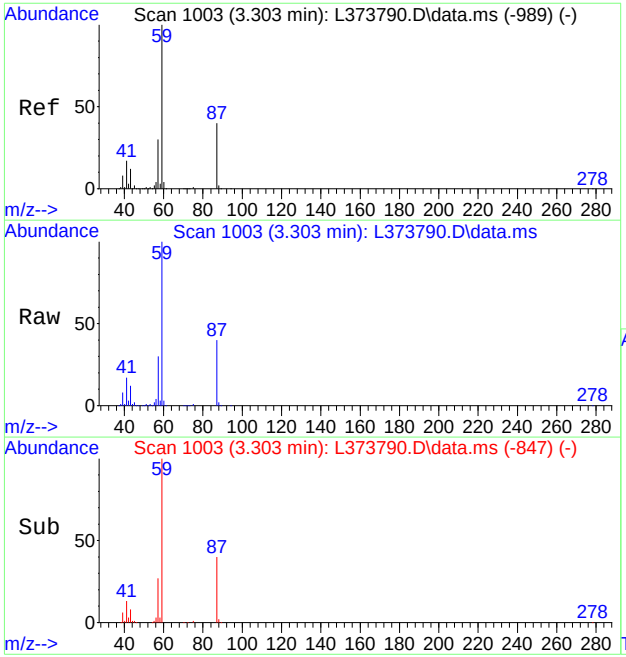


#28
di-isopropyl ether
Concen: 50.00 ug/L
RT: 3.069 min Scan# 930
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 45 Resp: 423806

Ion	Ratio	Lower	Upper
45	100		
87	27.5	0.0	57.5
43	67.5	37.5	97.5

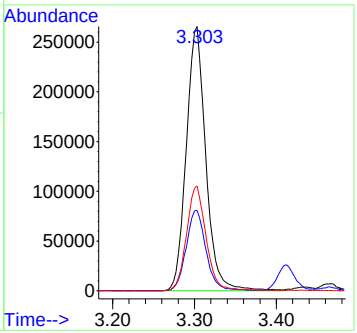


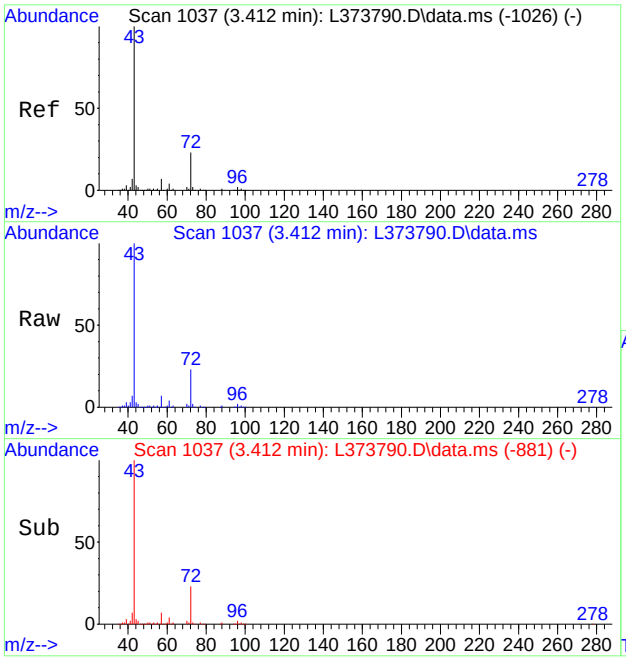


#29
ethyl tert-butyl ether
Concen: 50.00 ug/L
RT: 3.303 min Scan# 1003
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 59 Resp: 441911

Ion	Ratio	Lower	Upper
59	100		
57	30.3	0.3	60.3
87	39.6	9.6	69.6

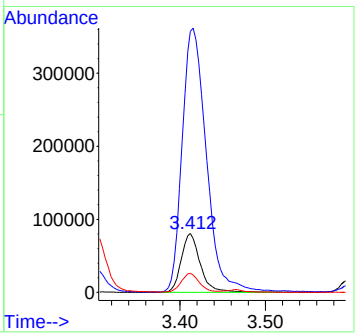


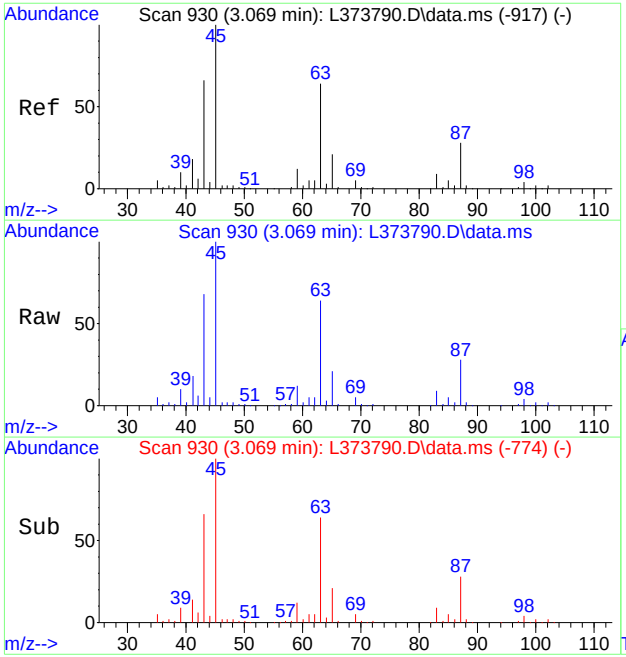


#30
2-butanone
Concen: 200.00 ug/L
RT: 3.412 min Scan# 1037
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 72 Resp: 125232

Ion	Ratio	Lower	Upper
72	100		
43	441.9	411.9	471.9
57	32.4	2.4	62.4

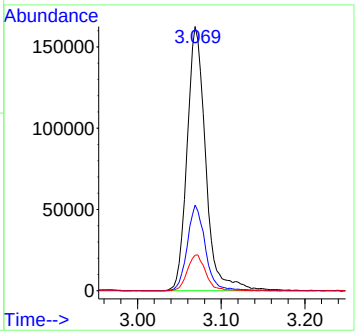


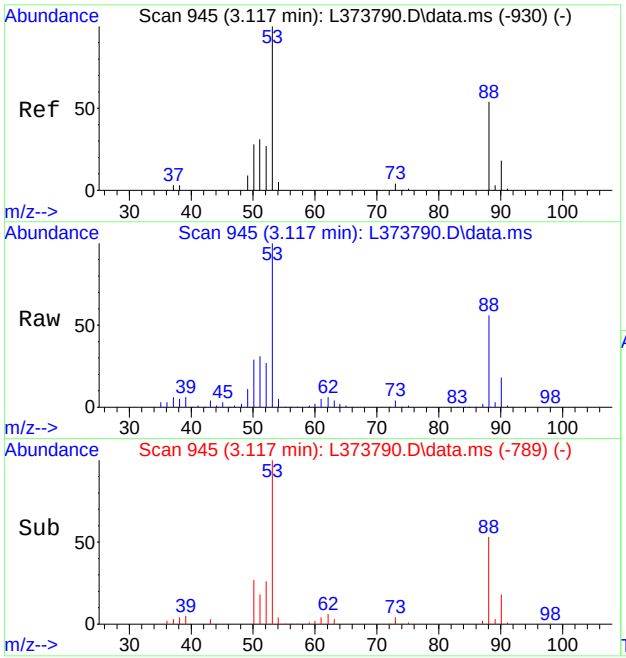


#31
1,1-dichloroethane
Concen: 50.00 ug/L
RT: 3.069 min Scan# 930
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 63 Resp: 252176

Ion	Ratio	Lower	Upper
63	100		
65	32.5	2.5	62.5
83	13.5	0.0	43.5

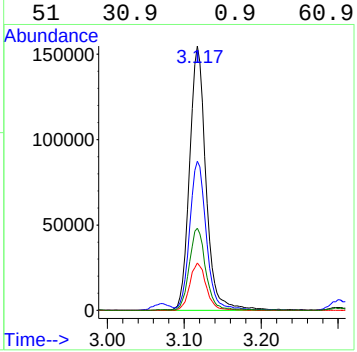


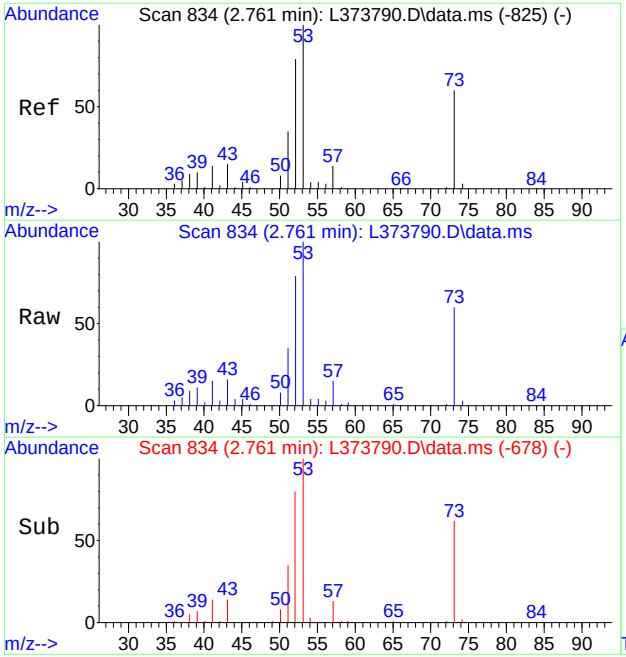


#32
chloroprene
Concen: 50.00 ug/L
RT: 3.117 min Scan# 945
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 53 Resp: 229868

Ion	Ratio	Lower	Upper
53	100		
88	56.2	26.2	86.2
90	17.9	0.0	47.9
51	30.9	0.9	60.9

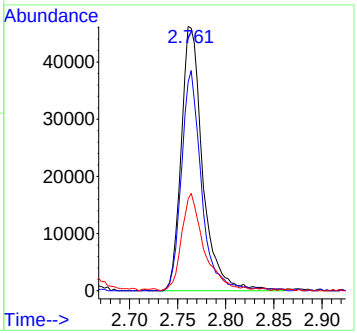


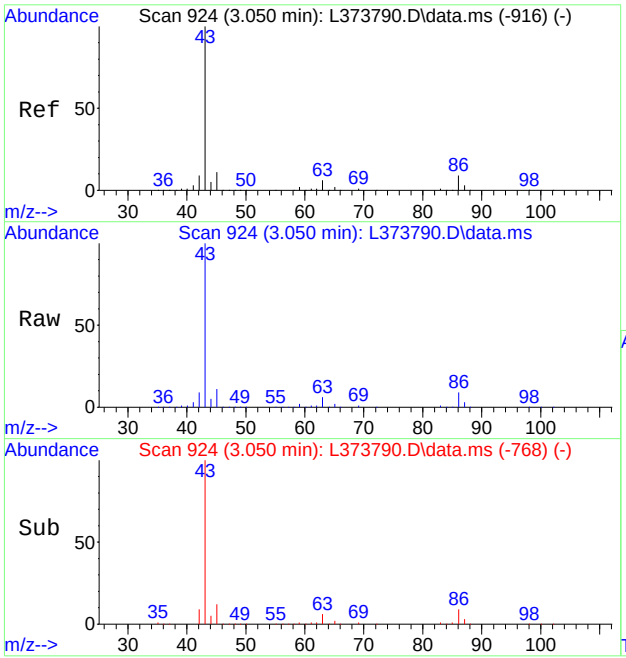


#33
acrylonitrile
Concen: 50.00 ug/L
RT: 2.761 min Scan# 834
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 53 Resp: 71960

Ion	Ratio	Lower	Upper
53	100		
52	78.8	48.8	108.8
51	34.6	4.6	64.6

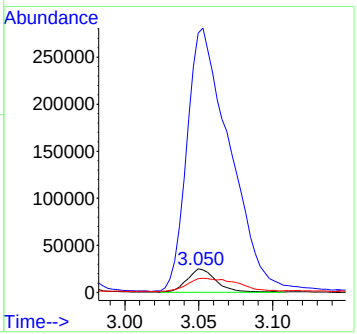


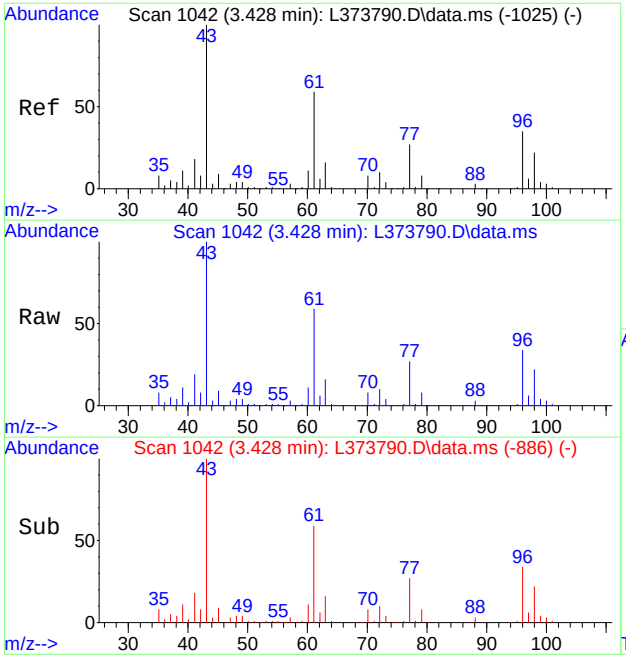


#34
vinyl acetate
Concen: 51.46 ug/L
RT: 3.050 min Scan# 924
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 86 Resp: 34843

Ion	Ratio	Lower	Upper
86	100		
43	1106.3	1074.2	1134.2
44	53.6	28.4	88.4

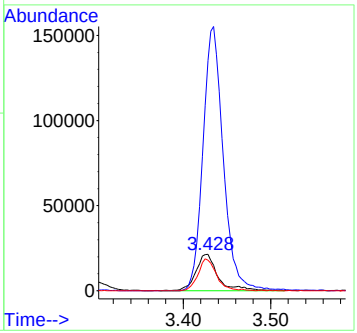


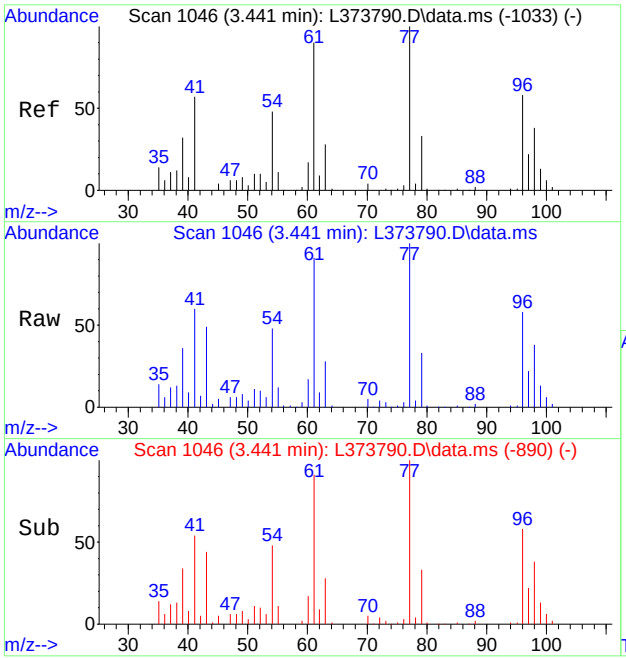


#35
ethyl acetate
Concen: 51.11 ug/L
RT: 3.428 min Scan# 1042
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 45 Resp: 37987

Ion	Ratio	Lower	Upper
45	100		
61	628.6	598.6	658.6
70	83.6	53.6	113.6

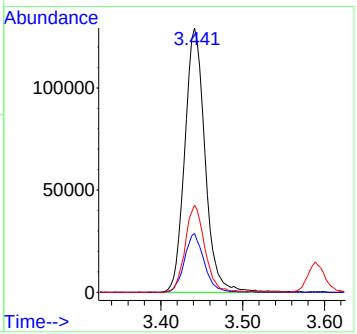


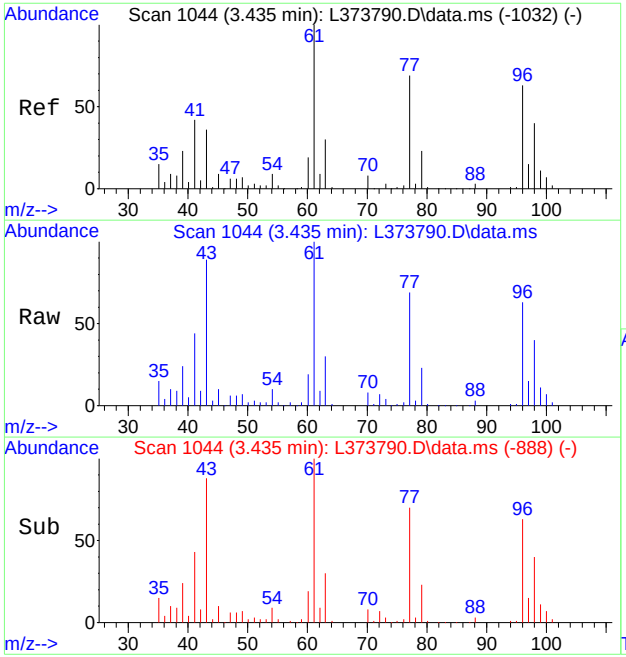


#36
2,2-dichloropropane
Concen: 50.00 ug/L
RT: 3.441 min Scan# 1046
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 77 Resp: 222920

Ion	Ratio	Lower	Upper
77	100		
97	22.3	0.0	52.3
79	33.0	3.0	63.0

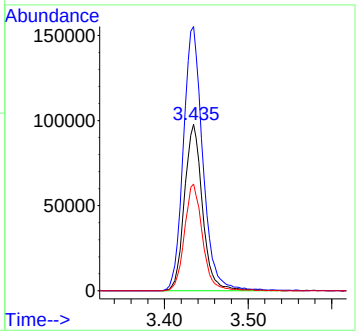


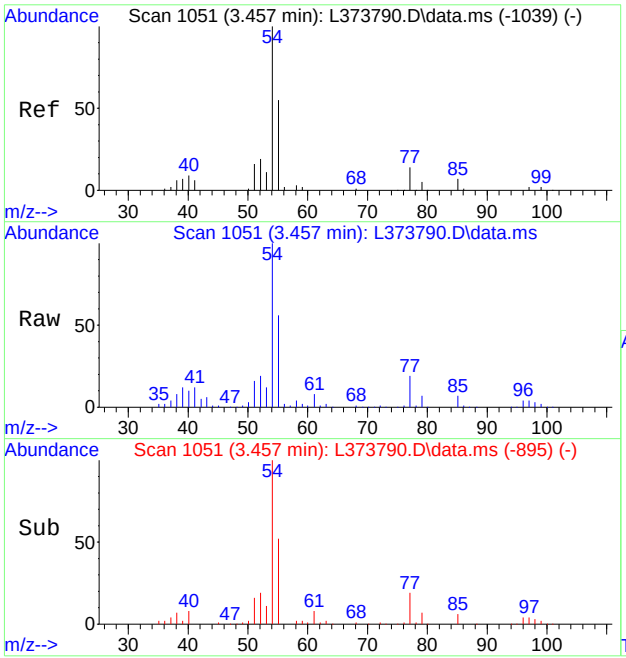


#37
cis-1,2-dichloroethene
Concen: 50.00 ug/L
RT: 3.435 min Scan# 1044
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 96 Resp: 147200

Ion	Ratio	Lower	Upper
96	100		
61	158.7	128.7	188.7
98	64.1	34.1	94.1

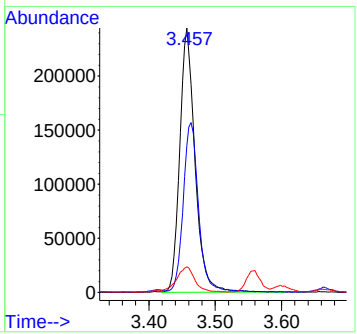


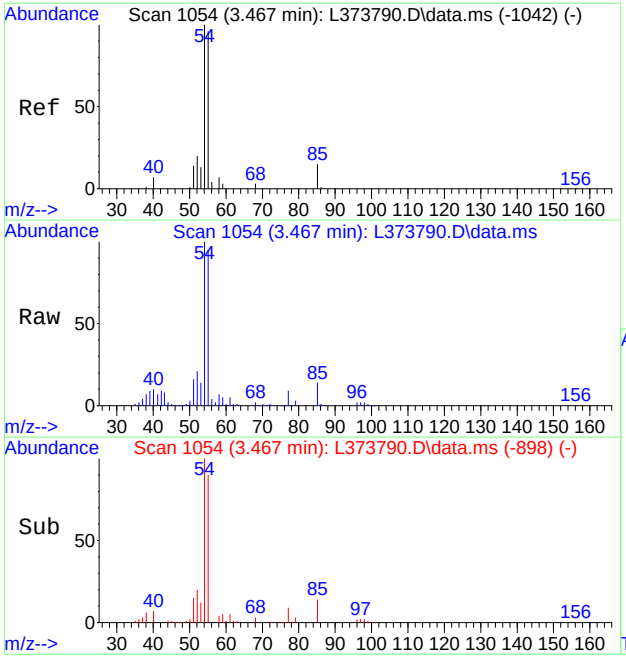


#38
propionitrile
Concen: 500.00 ug/L
RT: 3.457 min Scan# 1051
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 54 Resp: 390889

Ion	Ratio	Lower	Upper
54	100		
55	55.4	25.4	85.4
40	9.0	0.0	39.0

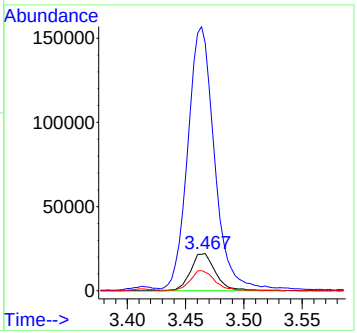


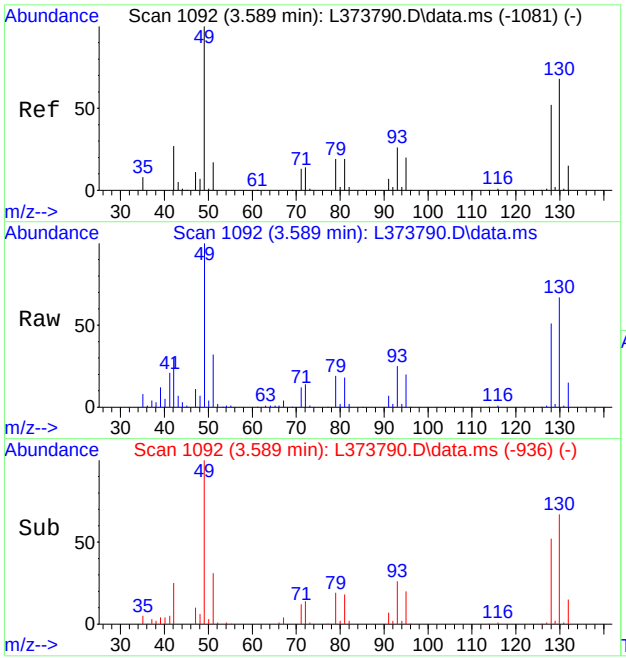


#39
methyl acrylate
Concen: 50.00 ug/L
RT: 3.467 min Scan# 1054
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 85 Resp: 33399

Ion	Ratio	Lower	Upper
85	100		
55	659.4	639.4	679.4
58	49.8	29.8	69.8

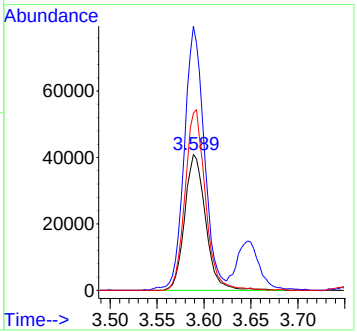


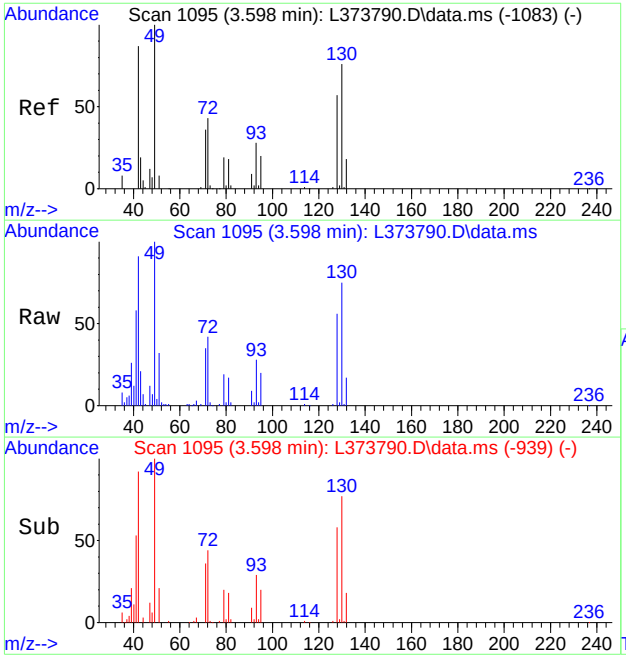


#40
bromochloromethane
Concen: 50.00 ug/L
RT: 3.589 min Scan# 1092
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion:128 Resp: 63636

Ion	Ratio	Lower	Upper
128	100		
49	193.3	163.3	223.3
130	130.3	100.3	160.3

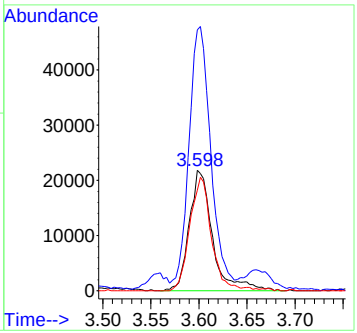


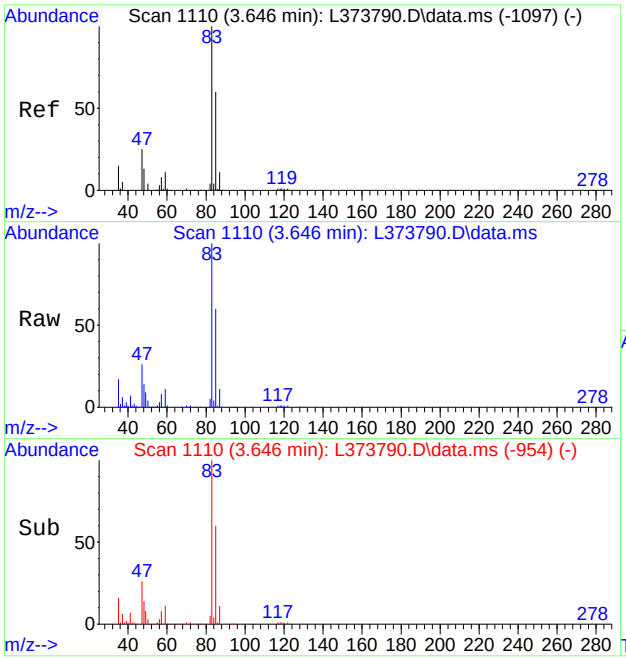


#41
tetrahydrofuran
Concen: 50.00 ug/L
RT: 3.598 min Scan# 1095
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 72 Resp: 36840

Ion	Ratio	Lower	Upper
72	100		
42	213.3	183.3	243.3
71	83.5	53.5	113.5

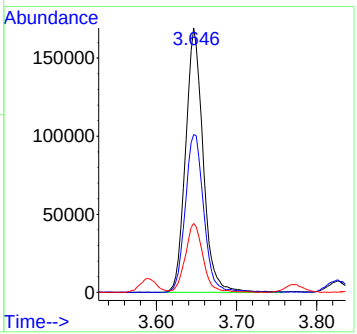


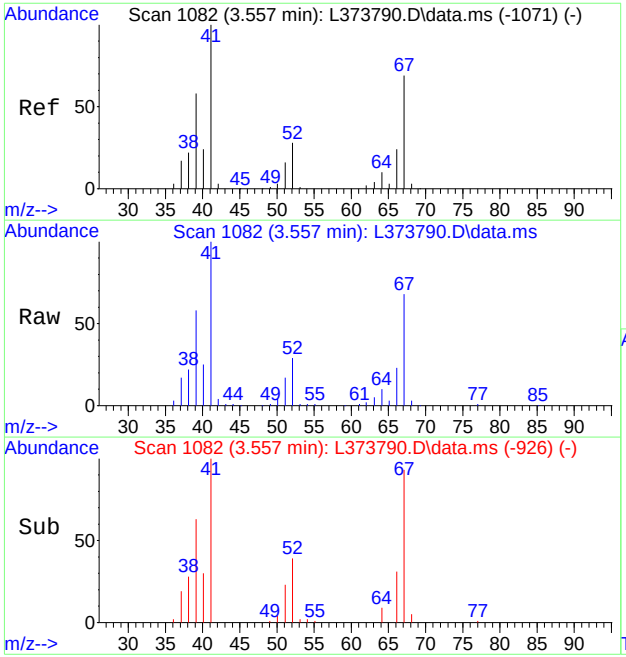


#42
chloroform
Concen: 50.00 ug/L
RT: 3.646 min Scan# 1110
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 83 Resp: 258590

Ion	Ratio	Lower	Upper
83	100		
85	59.7	29.7	89.7
47	24.6	0.0	54.6

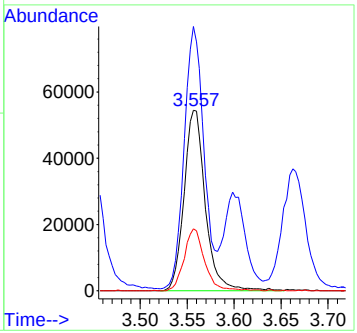


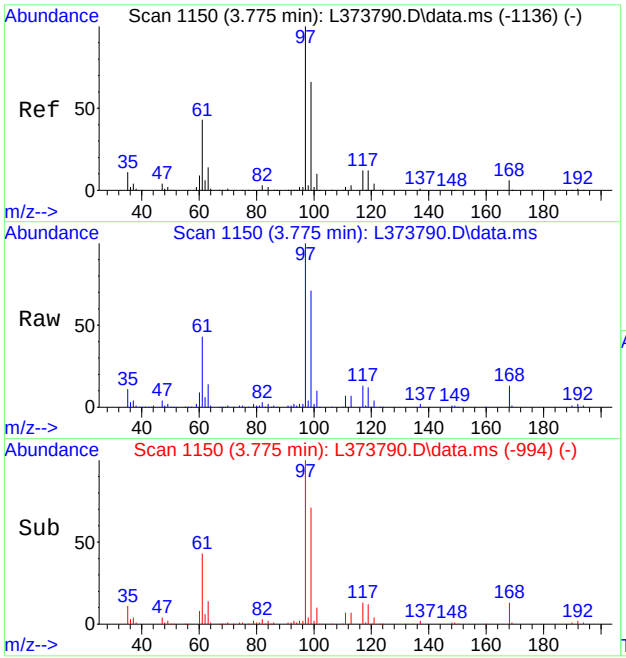


#44
methacrylonitrile
Concen: 50.00 ug/L
RT: 3.557 min Scan# 1082
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 67 Resp: 85996

Ion	Ratio	Lower	Upper
67	100		
41	145.3	115.3	175.3
66	34.3	4.3	64.3

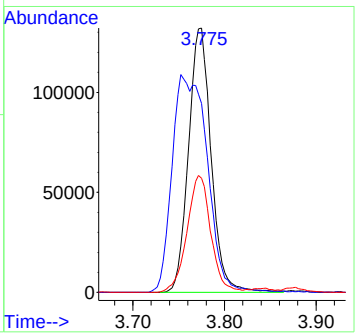


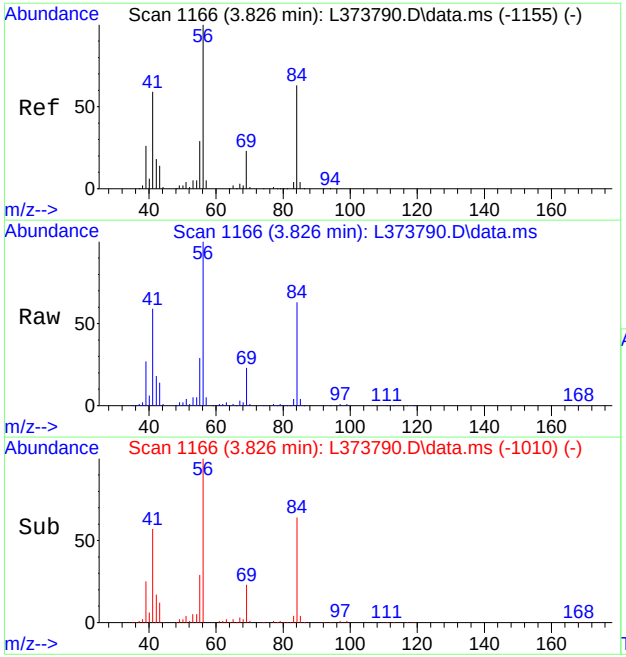


#45
1,1,1-trichloroethane
Concen: 50.00 ug/L
RT: 3.775 min Scan# 1150
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 97 Resp: 227225

Ion	Ratio	Lower	Upper
97	100		
99	71.0	41.0	101.0
61	42.9	12.9	72.9

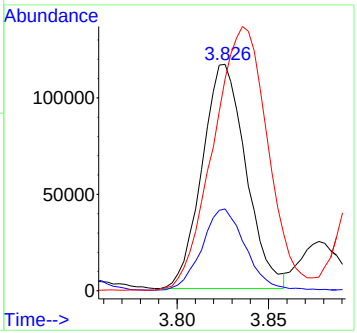


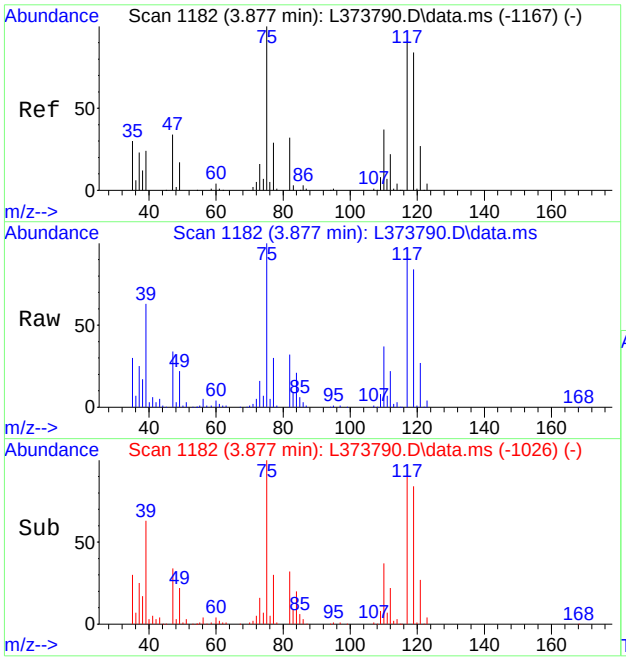


#46
cyclohexane
Concen: 48.99 ug/L
RT: 3.826 min Scan# 1166
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 84 Resp: 194085

Ion	Ratio	Lower	Upper
84	100		
69	36.2	16.2	56.2
41	93.6	73.6	113.6

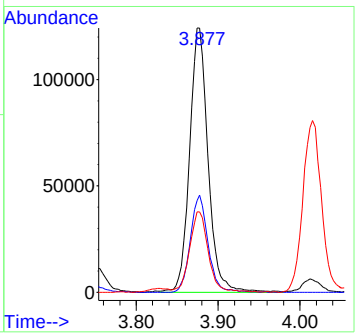


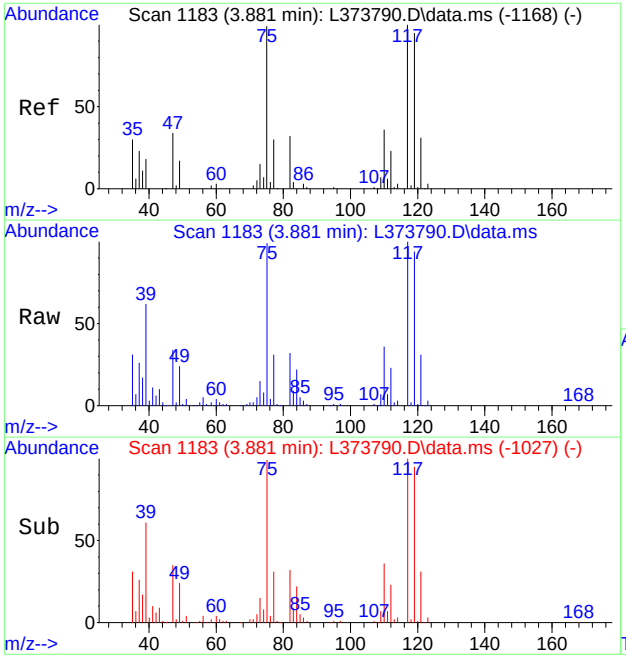


#47
1,1-dichloropropene
Concen: 50.00 ug/L
RT: 3.877 min Scan# 1182
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 75 Resp: 195653

Ion	Ratio	Lower	Upper
75	100		
110	37.0	17.0	57.0
77	30.2	10.2	50.2

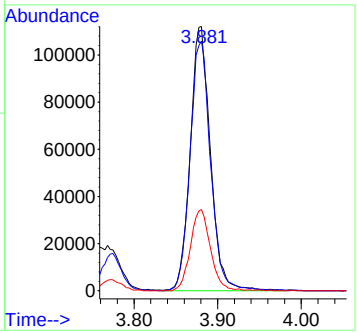


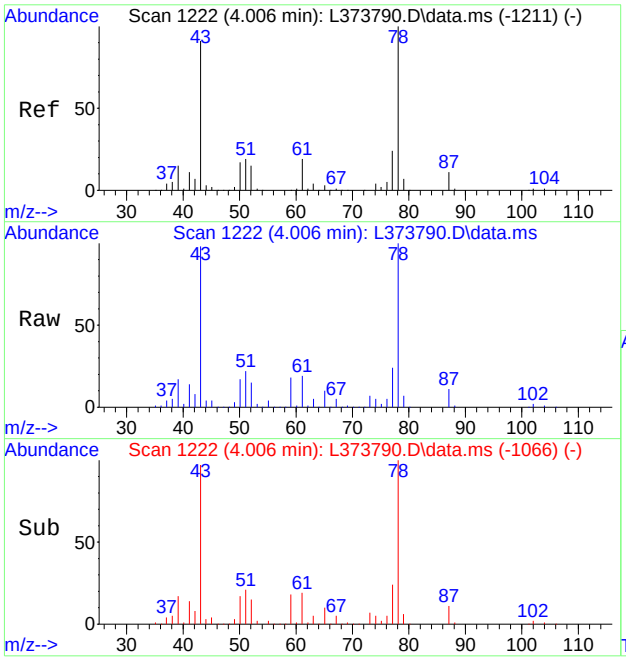


#48
carbon tetrachloride
Concen: 50.00 ug/L
RT: 3.881 min Scan# 1183
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion:117 Resp: 188536

Ion	Ratio	Lower	Upper
117	100		
119	94.4	74.4	114.4
121	30.8	10.8	50.8

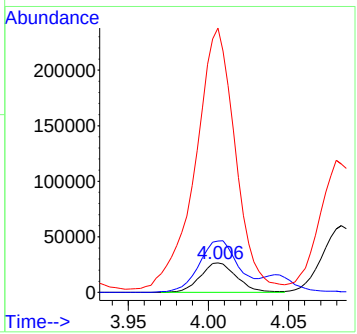


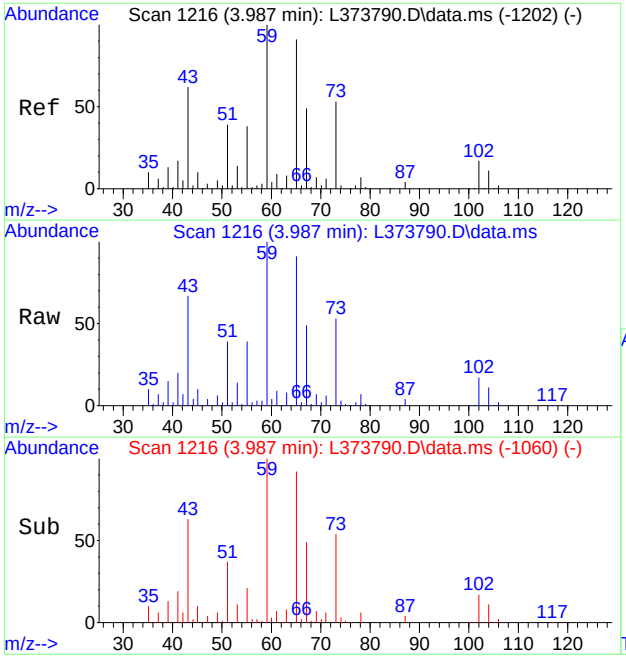


#49
isopropyl acetate
Concen: 50.00 ug/L
RT: 4.006 min Scan# 1222
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 87 Resp: 41908

Ion	Ratio	Lower	Upper
87	100		
61	172.1	154.9	194.9
43	874.1	869.9	929.9

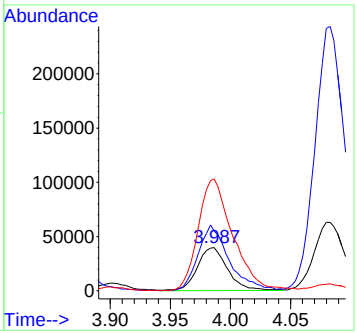


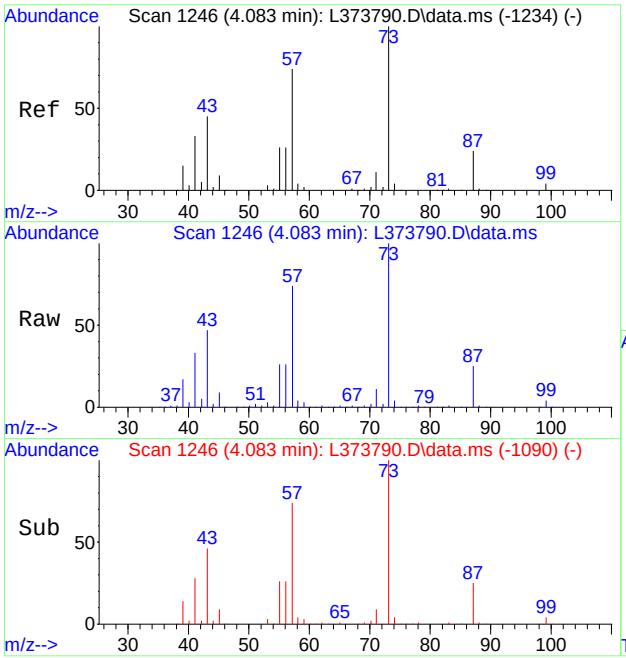


#50
tert amyl alcohol
Concen: 241.46 ug/L
RT: 3.987 min Scan# 1216
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 55 Resp: 69192

Ion	Ratio	Lower	Upper
55	100		
73	139.2	118.3	158.3
59	262.0	238.9	278.9

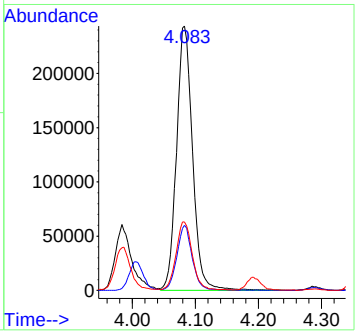


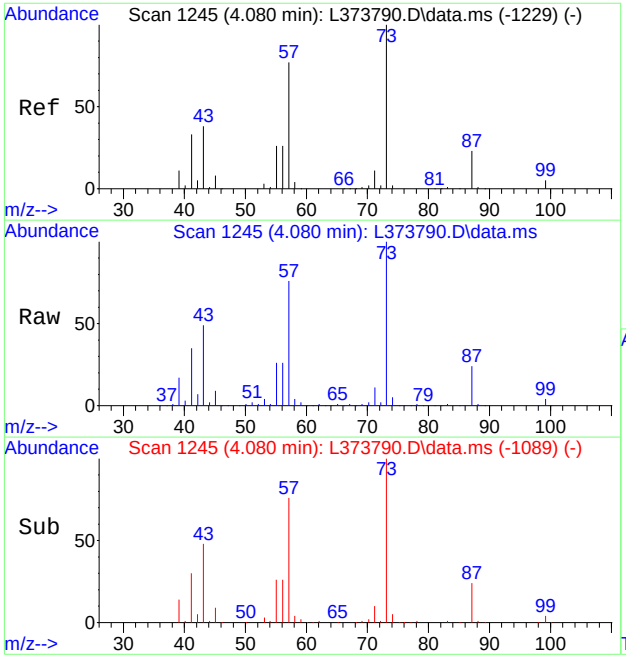


#53
tert-amyl methyl ether
Concen: 50.00 ug/L
RT: 4.083 min Scan# 1246
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 73 Resp: 430483

Ion	Ratio	Lower	Upper
73	100		
87	24.6	4.6	44.6
55	25.7	5.7	45.7

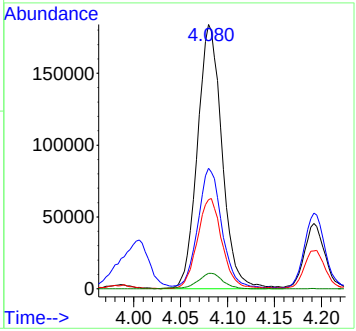


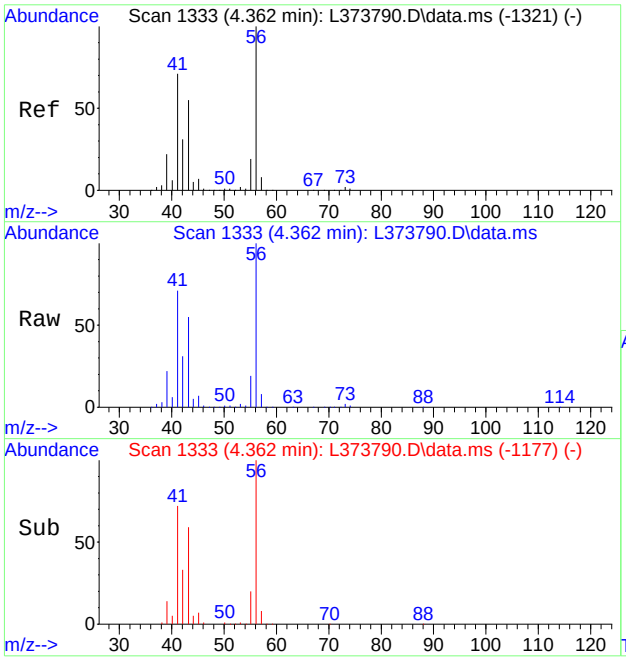


#54
2,2,4-trimethylpentane
Concen: 50.00 ug/L
RT: 4.080 min Scan# 1245
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 57 Resp: 334798

Ion	Ratio	Lower	Upper
57	100		
41	45.1	25.1	65.1
56	33.8	13.8	53.8
99	5.9	0.0	25.9

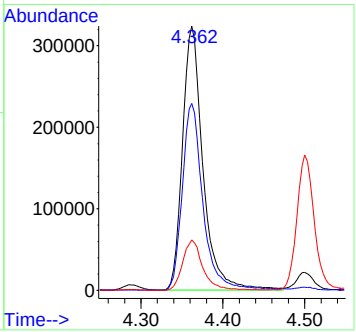


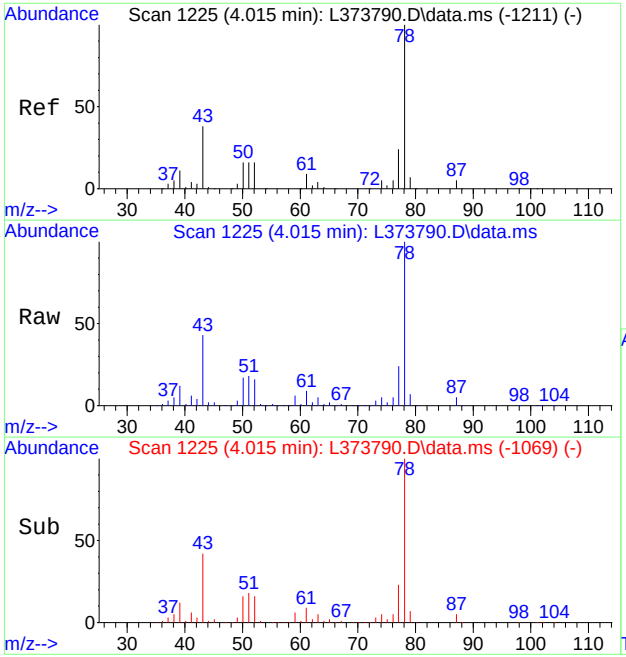


#55
n-butyl alcohol
Concen: 2500.00 ug/L
RT: 4.362 min Scan# 1333
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 56 Resp: 563577

Ion	Ratio	Lower	Upper
56	100		
41	70.6	40.6	100.6
55	19.1	0.0	49.1

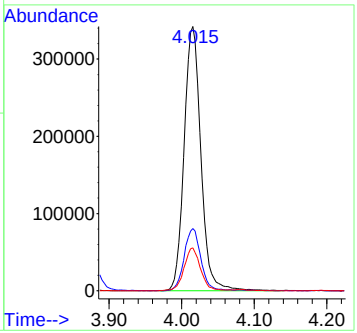


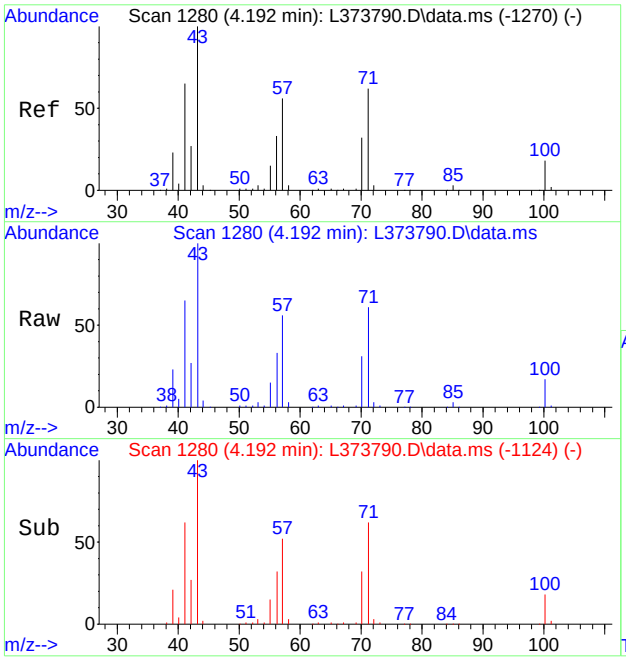


#56
benzene
Concen: 50.00 ug/L
RT: 4.015 min Scan# 1225
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 78 Resp: 552096

Ion	Ratio	Lower	Upper
78	100		
77	23.5	0.0	53.5
52	16.2	0.0	46.2

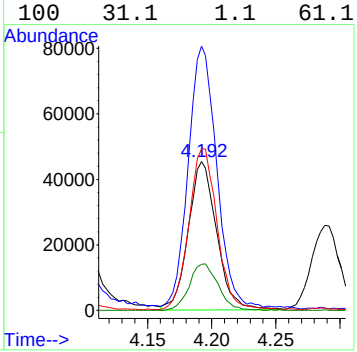


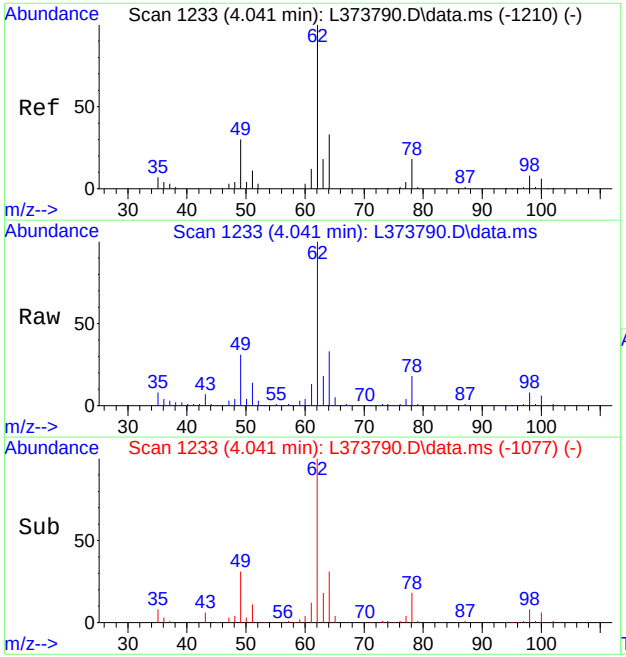


#57
heptane
Concen: 50.00 ug/L
RT: 4.192 min Scan# 1280
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 57 Resp: 69787

Ion	Ratio	Lower	Upper
57	100		
43	176.8	146.8	206.8
71	108.5	78.5	138.5
100	31.1	1.1	61.1

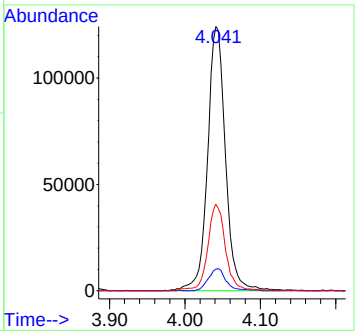


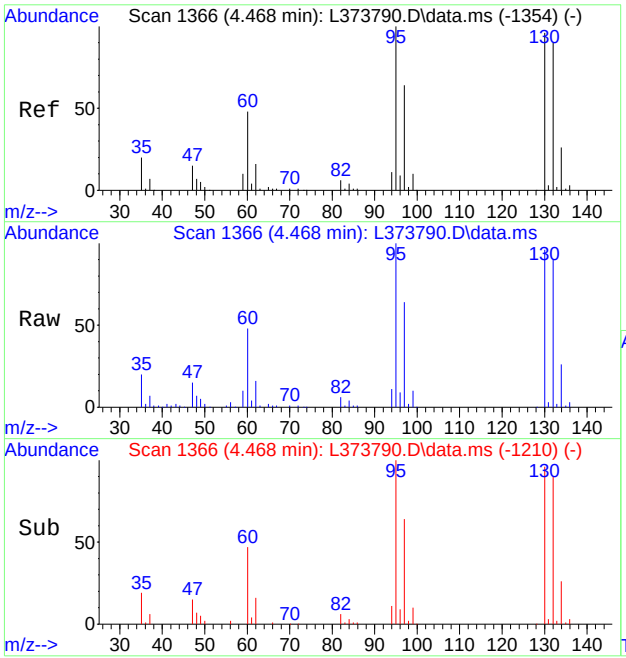


#58
1,2-dichloroethane
Concen: 50.00 ug/L
RT: 4.041 min Scan# 1233
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 62 Resp: 205235

Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	38.1
64	32.8	2.8	62.8

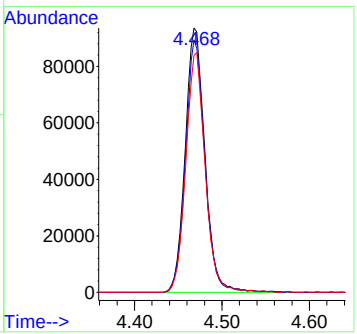


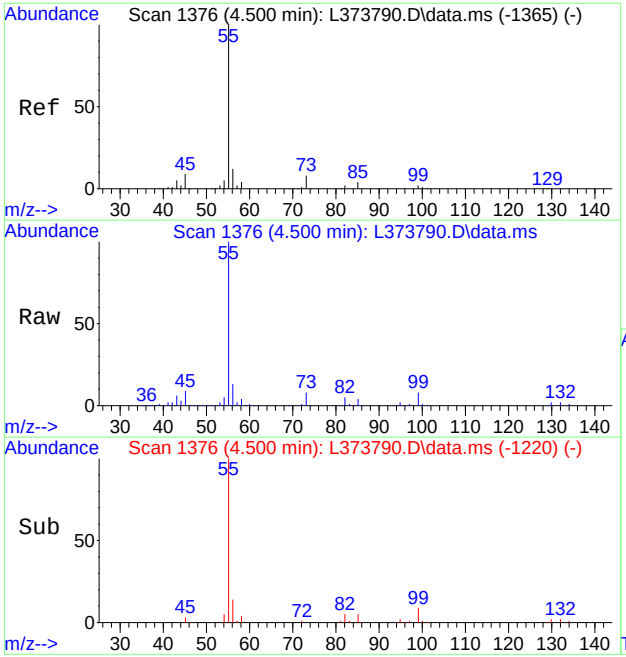


#59
trichloroethene
Concen: 50.00 ug/L
RT: 4.468 min Scan# 1366
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 95 Resp: 146922

Ion	Ratio	Lower	Upper
95	100		
130	95.5	65.5	125.5
132	89.7	59.7	119.7

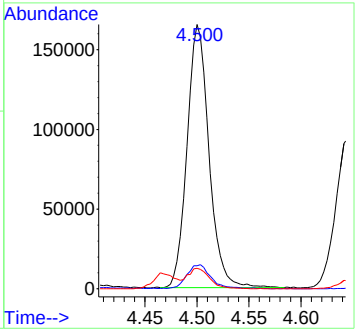


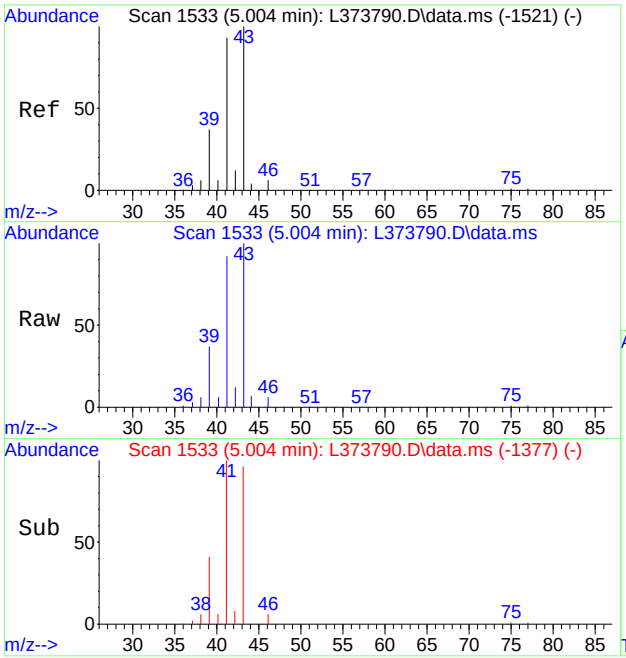


#60
ethyl acrylate
Concen: 50.00 ug/L
RT: 4.500 min Scan# 1376
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 55 Resp: 242728

Ion	Ratio	Lower	Upper
55	100		
45	8.6	0.0	28.6
99	7.8	0.0	27.8

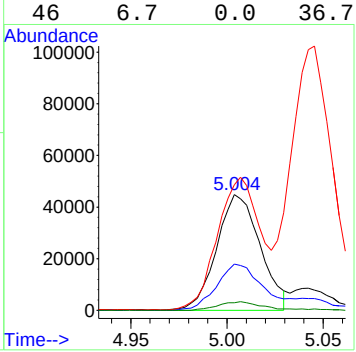


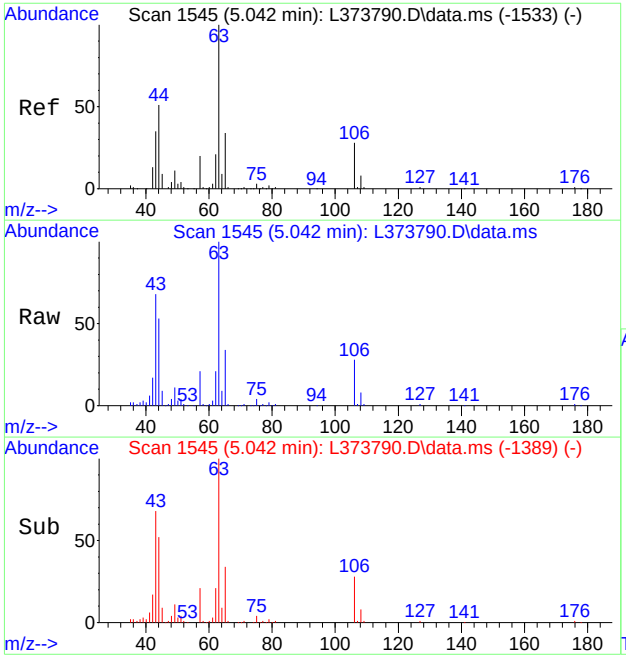


#61
2-nitropropane
Concen: 49.11 ug/L
RT: 5.004 min Scan# 1533
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 41 Resp: 70778

Ion	Ratio	Lower	Upper
41	100		
39	40.0	10.0	70.0
43	107.9	77.9	137.9
46	6.7	0.0	36.7

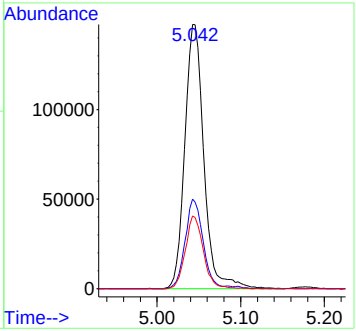


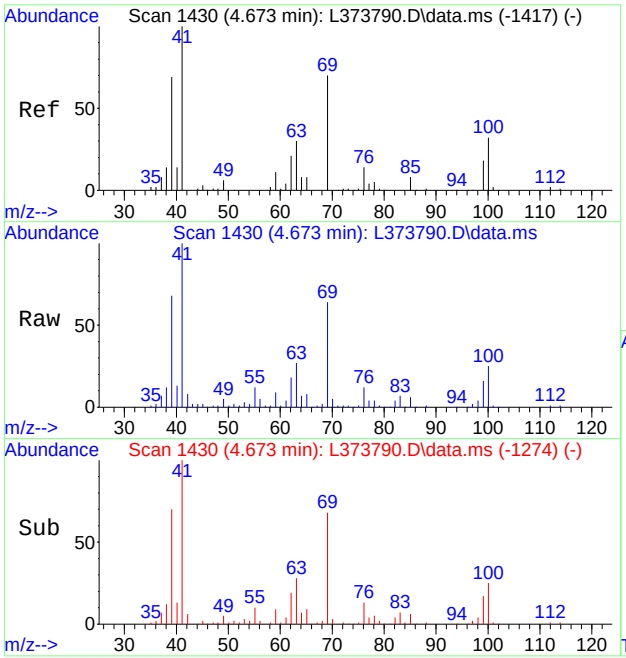


#62
2-chloroethyl vinyl ether
Concen: 250.00 ug/L
RT: 5.042 min Scan# 1545
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 63 Resp: 234305

Ion	Ratio	Lower	Upper
63	100		
65	33.9	3.9	63.9
106	27.6	0.0	57.6

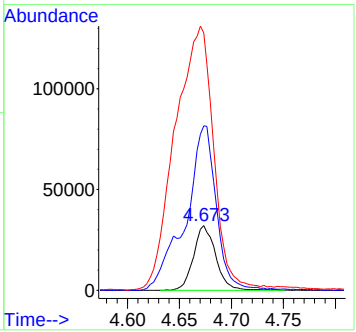


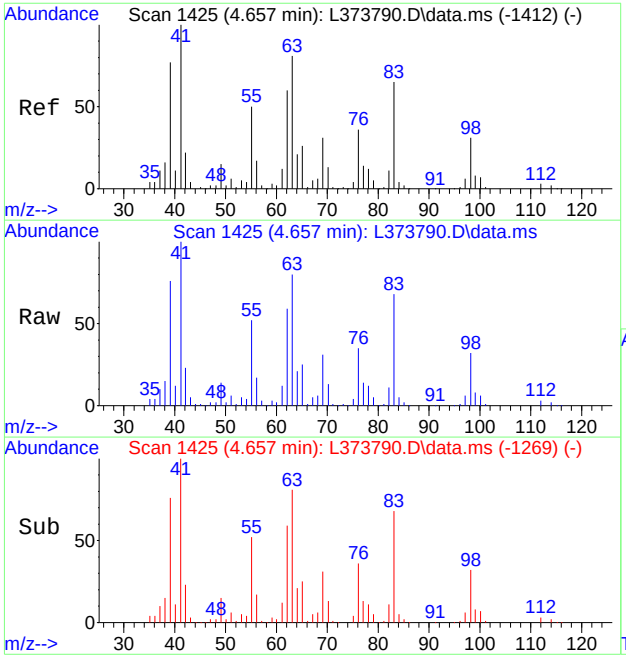


#63
methyl methacrylate
Concen: 50.00 ug/L
RT: 4.673 min Scan# 1430
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion:100 Resp: 48310

Ion	Ratio	Lower	Upper
100	100		
69	251.2	221.2	281.2
41	390.4	360.4	420.4

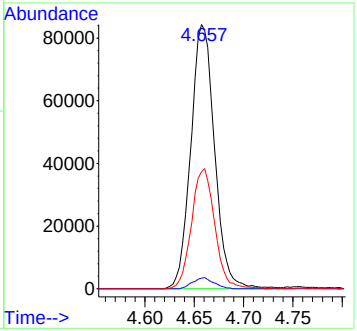


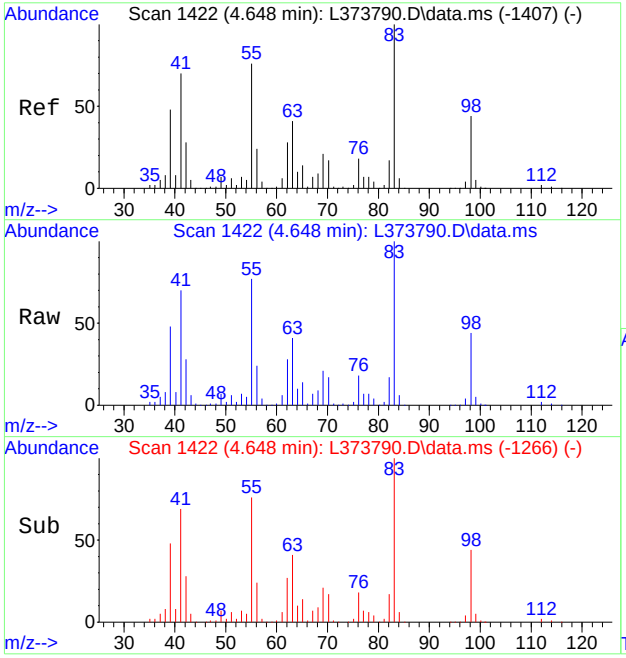


#64
1,2-dichloropropane
Concen: 50.26 ug/L
RT: 4.657 min Scan# 1425
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 63 Resp: 141792

Ion	Ratio	Lower	Upper
63	100		
112	4.1	0.0	34.1
76	44.3	14.3	74.3

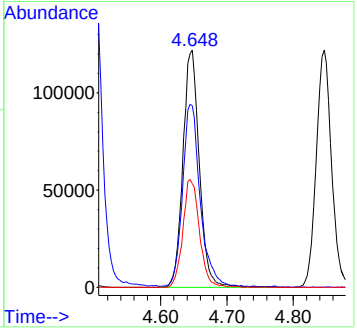


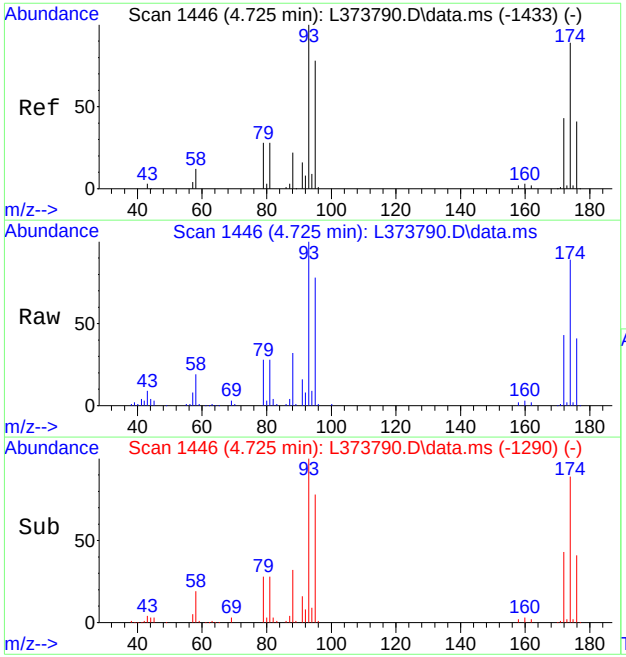


#65
methylcyclohexane
Concen: 50.00 ug/L
RT: 4.648 min Scan# 1422
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 83 Resp: 210455

Ion	Ratio	Lower	Upper
83	100		
55	76.3	46.3	106.3
98	43.7	13.7	73.7

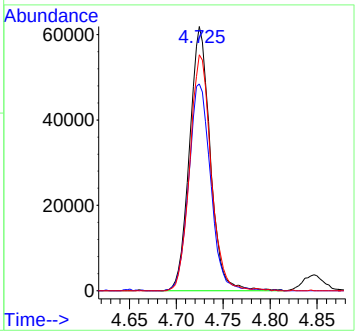


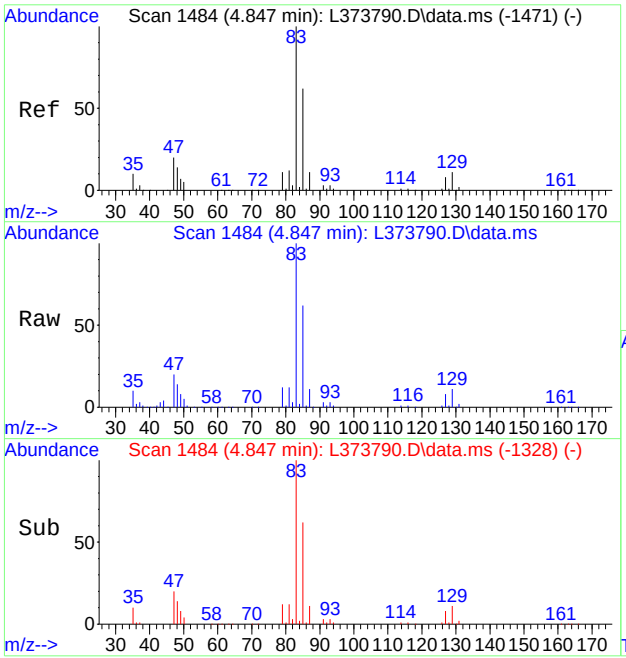


#66
dibromomethane
Concen: 50.00 ug/L
RT: 4.725 min Scan# 1446
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 93 Resp: 95331

Ion	Ratio	Lower	Upper
93	100		
95	78.3	48.3	108.3
174	89.2	59.2	119.2

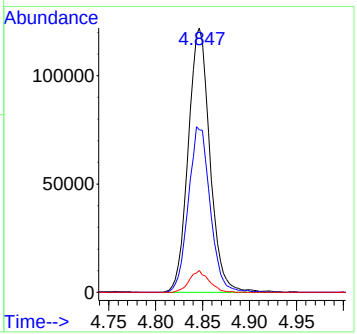


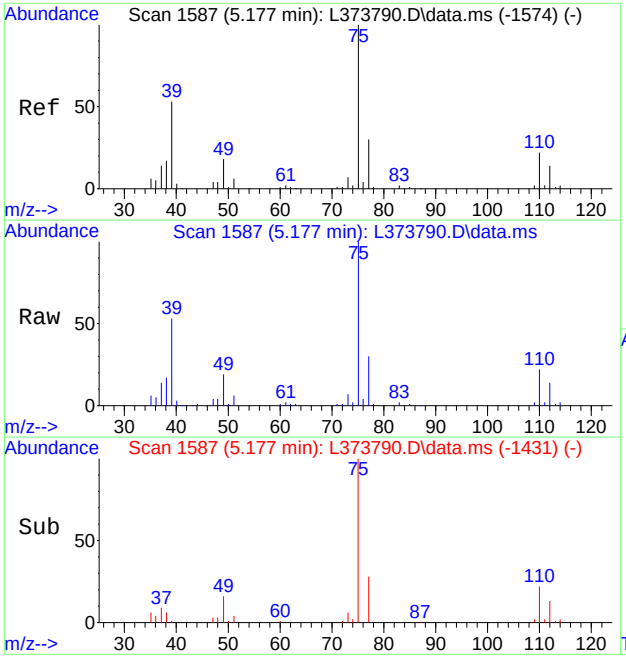


#67
bromodichloromethane
Concen: 50.00 ug/L
RT: 4.847 min Scan# 1484
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 83 Resp: 196510

Ion	Ratio	Lower	Upper
83	100		
85	61.5	31.5	91.5
127	8.3	0.0	38.3

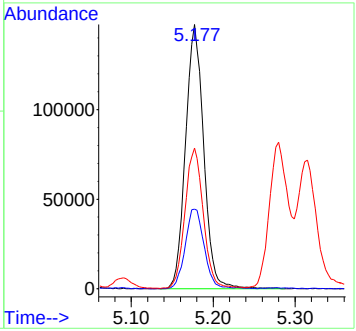


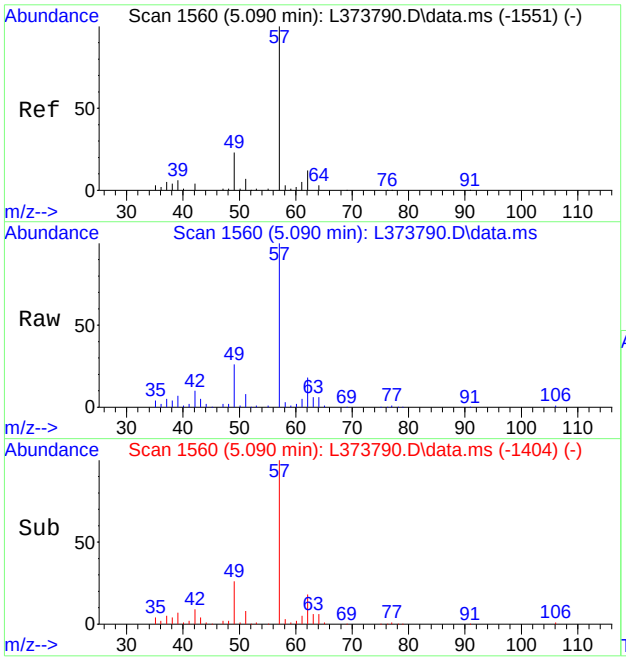


#68
cis-1,3-dichloropropene
Concen: 50.00 ug/L
RT: 5.177 min Scan# 1587
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 75 Resp: 228022

Ion	Ratio	Lower	Upper
75	100		
77	30.1	0.1	60.1
39	53.1	23.1	83.1

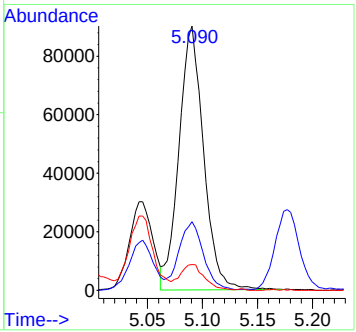


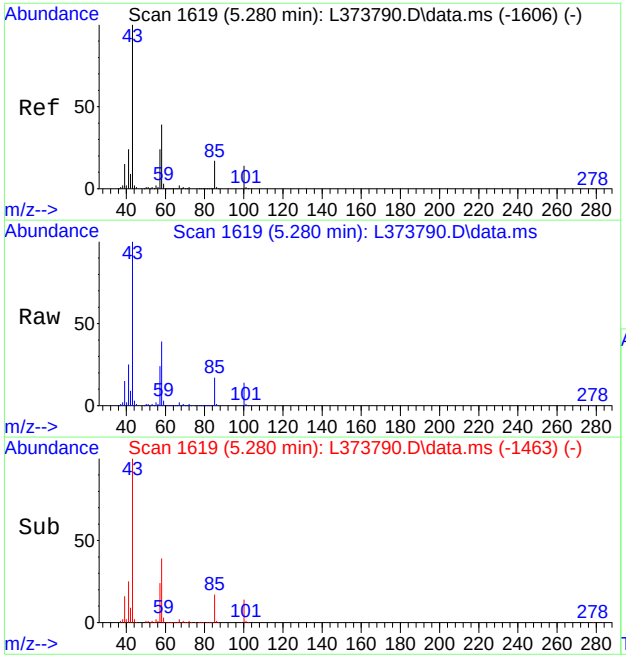


#69
epichlorohydrin
Concen: 250.00 ug/L
RT: 5.090 min Scan# 1560
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 57 Resp: 140557

Ion	Ratio	Lower	Upper
57	100		
49	21.0	1.0	41.0
42	9.5	0.0	29.5

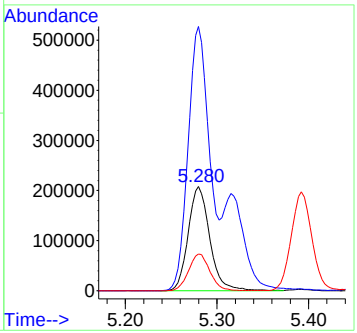


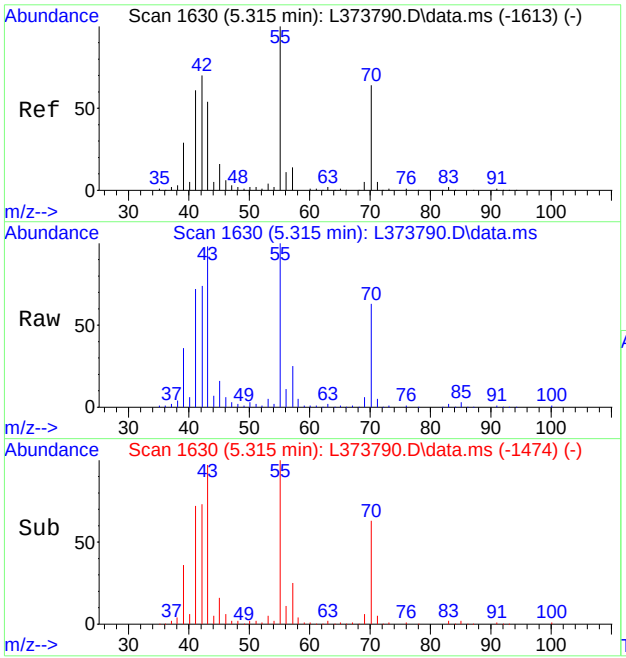


#70
4-methyl-2-pentanone
Concen: 200.93 ug/L
RT: 5.280 min Scan# 1619
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 58 Resp: 341432

Ion	Ratio	Lower	Upper
58	100		
43	253.3	233.4	273.4
100	35.2	15.2	55.2

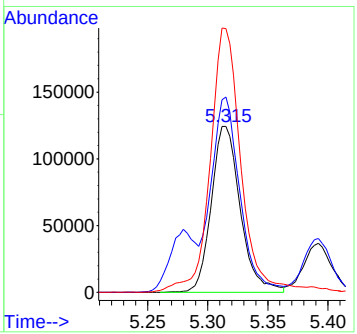


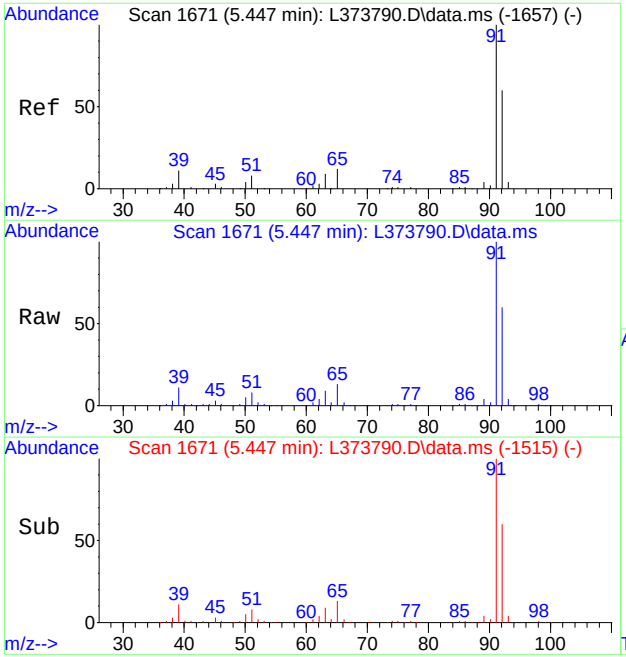


#71
3-methyl-1-butanol
Concen: 1007.16 ug/L
RT: 5.315 min Scan# 1630
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 70 Resp: 208571

Ion	Ratio	Lower	Upper
70	100		
42	114.2	97.7	137.7
55	157.5	138.8	178.8

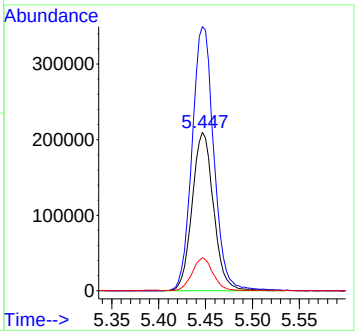


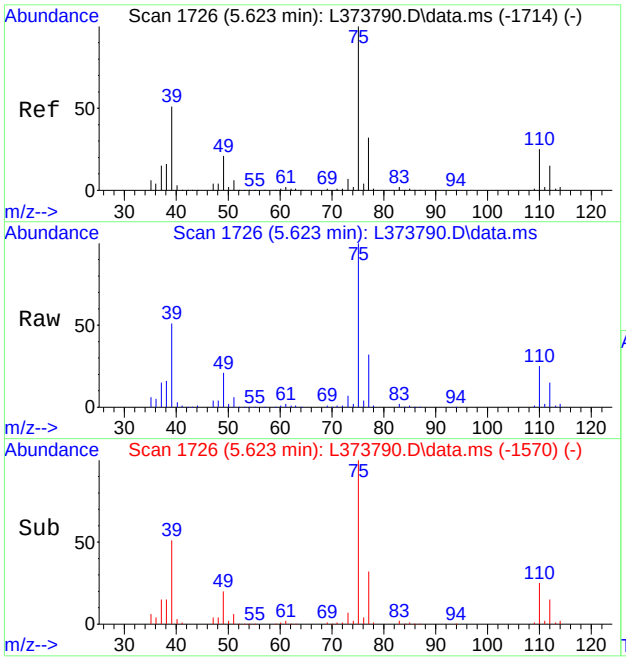


#74
toluene
Concen: 50.00 ug/L
RT: 5.447 min Scan# 1671
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 92 Resp: 333014

Ion	Ratio	Lower	Upper
92	100		
91	166.7	136.7	196.7
65	20.8	0.0	50.8

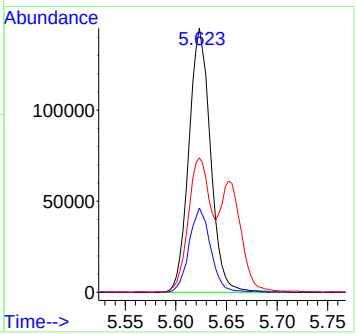


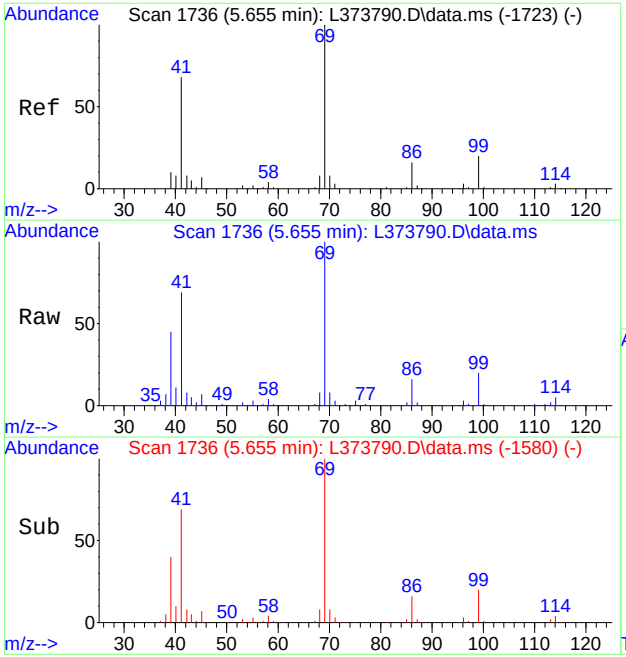


#75
trans-1,3-dichloropropene
Concen: 50.00 ug/L
RT: 5.623 min Scan# 1726
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 75 Resp: 216574

Ion	Ratio	Lower	Upper
75	100		
77	31.7	1.7	61.7
39	50.7	20.7	80.7

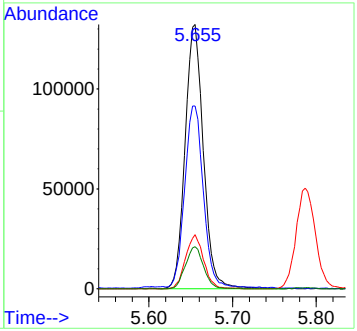


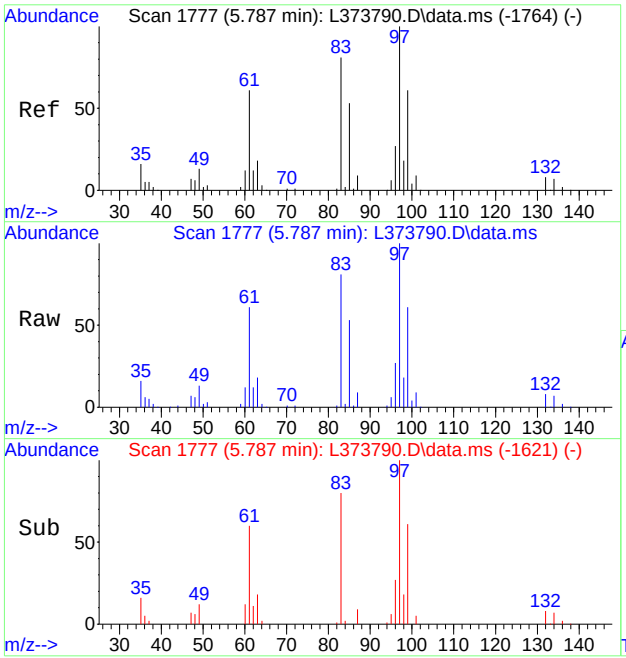


#76
ethyl methacrylate
Concen: 50.00 ug/L
RT: 5.655 min Scan# 1736
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 69 Resp: 201459

Ion	Ratio	Lower	Upper
69	100		
41	68.9	38.9	98.9
99	20.4	0.0	50.4
86	15.9	0.0	45.9

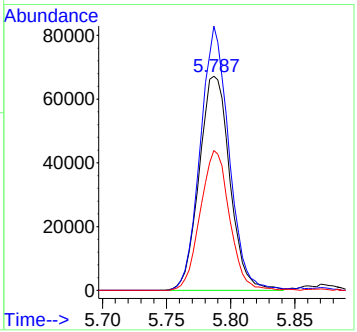


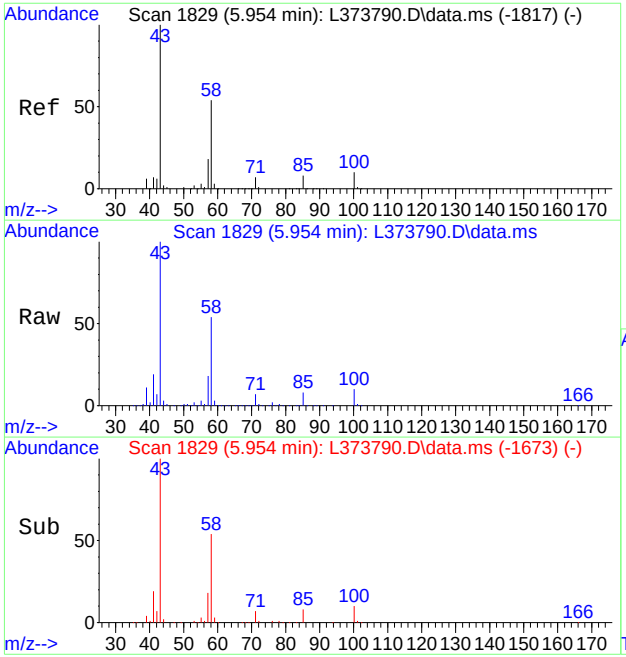


#77
1,1,2-trichloroethane
Concen: 50.00 ug/L
RT: 5.787 min Scan# 1777
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 83 Resp: 112023

Ion	Ratio	Lower	Upper
83	100		
97	123.6	93.6	153.6
85	65.4	35.4	95.4

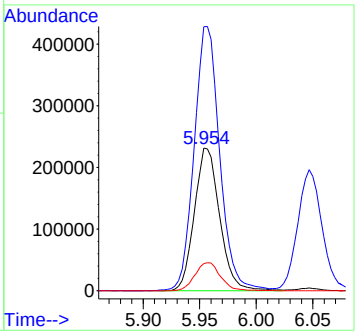


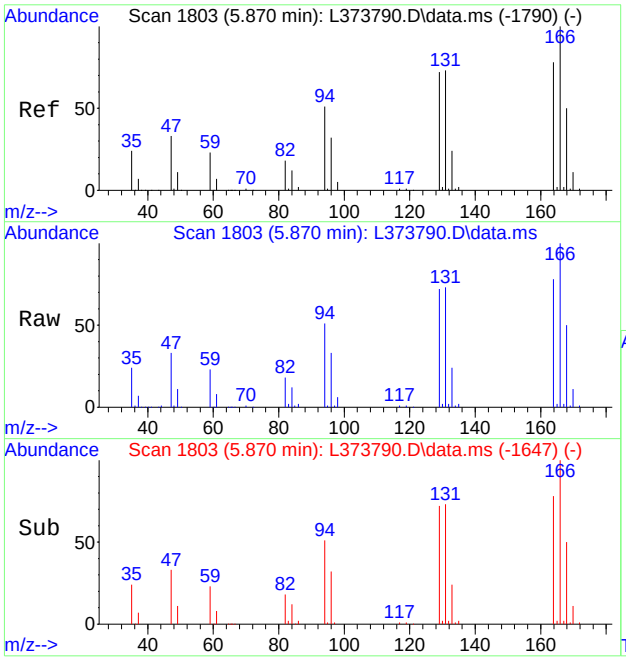


#78
2-hexanone
Concen: 200.00 ug/L
RT: 5.954 min Scan# 1829
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 58 Resp: 359719

Ion	Ratio	Lower	Upper
58	100		
43	184.6	154.6	214.6
100	19.0	0.0	49.0

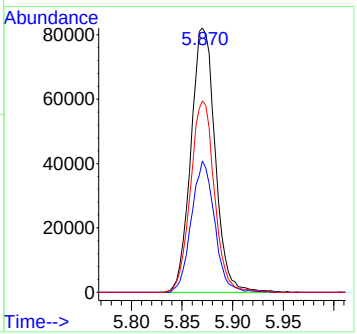


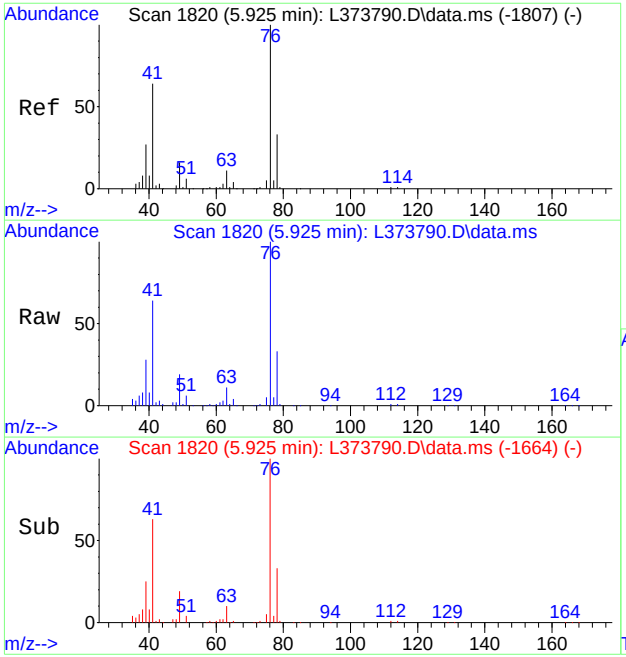


#79
tetrachloroethene
Concen: 50.00 ug/L
RT: 5.870 min Scan# 1803
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion:166 Resp: 137195

Ion	Ratio	Lower	Upper
166	100		
168	49.7	19.7	79.7
129	72.4	42.4	102.4

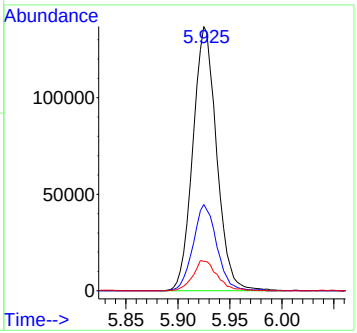


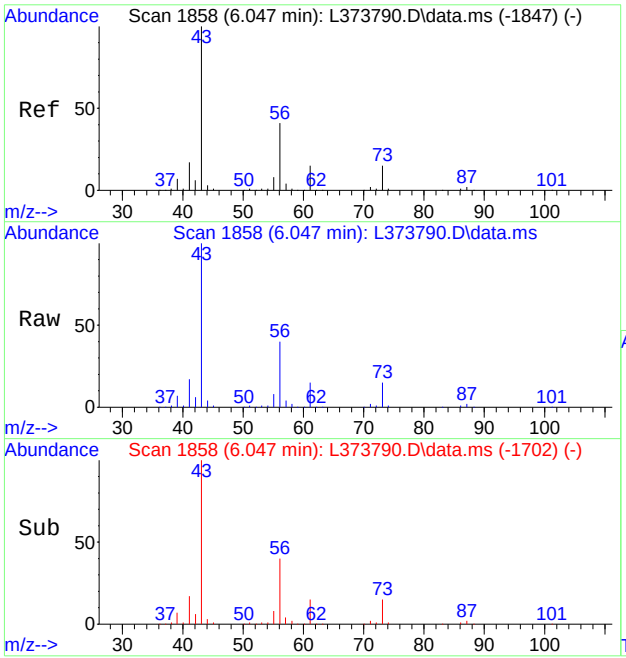


#80
1,3-dichloropropane
Concen: 50.00 ug/L
RT: 5.925 min Scan# 1820
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 76 Resp: 217989

Ion	Ratio	Lower	Upper
76	100		
78	32.7	2.7	62.7
63	11.2	0.0	41.2

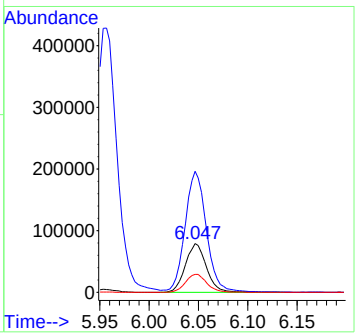


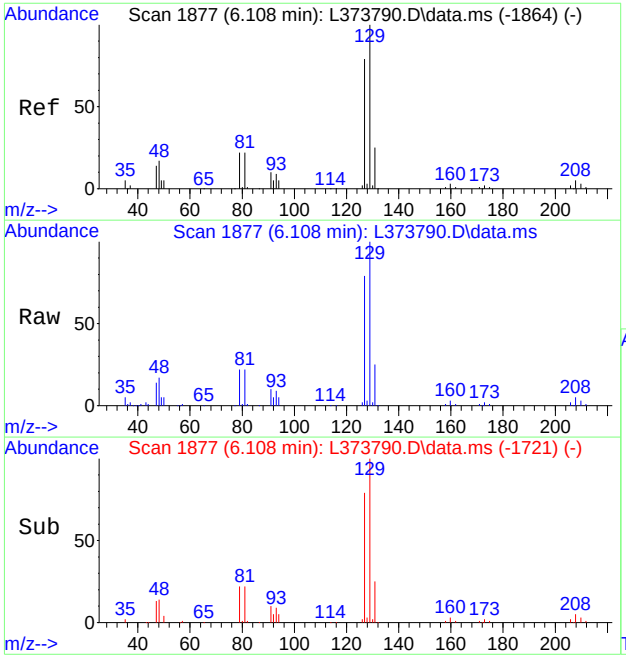


#81
butyl acetate
Concen: 50.00 ug/L
RT: 6.047 min Scan# 1858
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 56 Resp: 117763

Ion	Ratio	Lower	Upper
56	100		
43	248.3	218.3	278.3
73	37.2	7.2	67.2

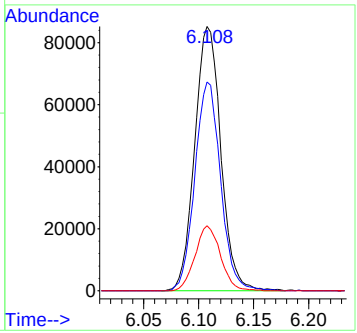


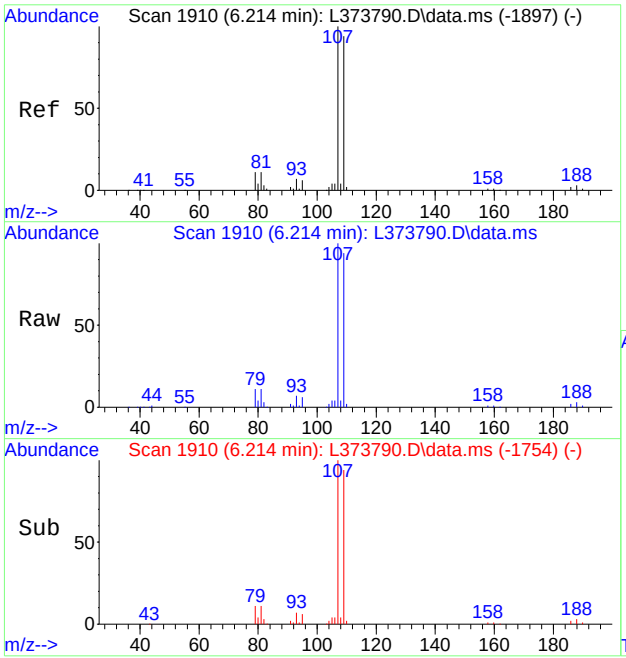


#82
dibromochloromethane
Concen: 50.00 ug/L
RT: 6.108 min Scan# 1877
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion:129 Resp: 141234

Ion	Ratio	Lower	Upper
129	100		
127	79.0	49.0	109.0
131	24.6	0.0	54.6

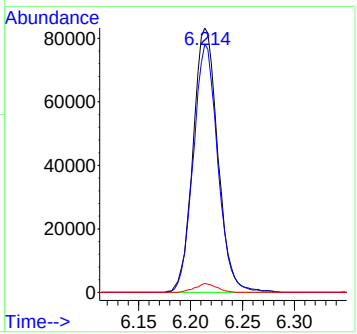


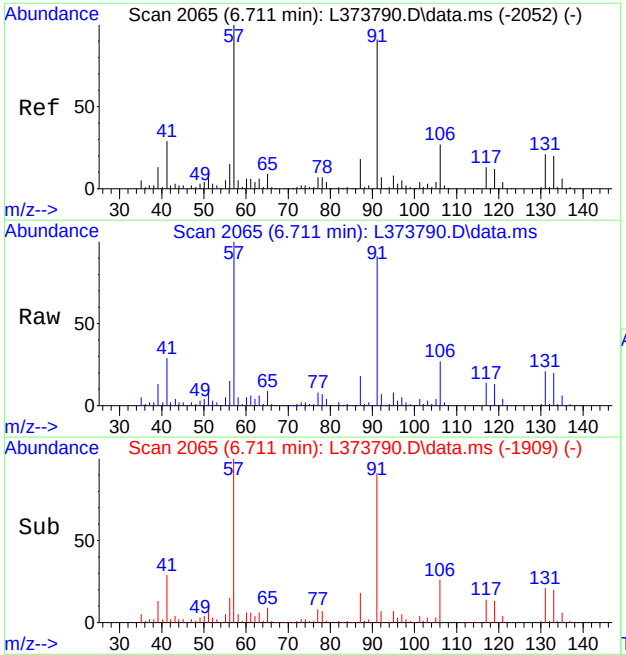


#83
1,2-dibromoethane
Concen: 50.00 ug/L
RT: 6.214 min Scan# 1910
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion:107 Resp: 138256

Ion	Ratio	Lower	Upper
107	100		
109	93.9	63.9	123.9
188	3.4	0.0	33.4

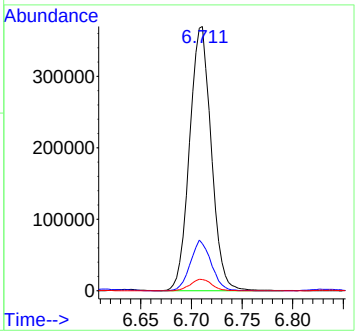


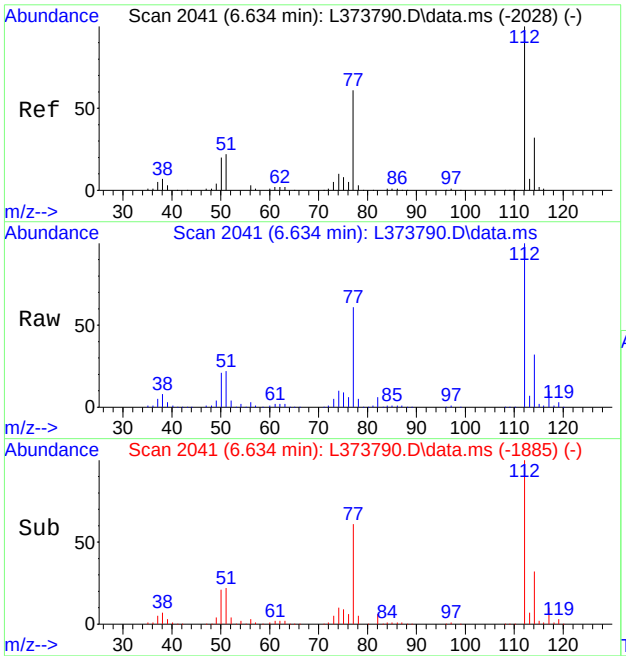


#84
n-butyl ether
Concen: 49.99 ug/L
RT: 6.711 min Scan# 2065
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 57 Resp: 552377

Ion	Ratio	Lower	Upper
57	100		
87	17.8	0.0	47.8
101	4.2	0.0	34.2

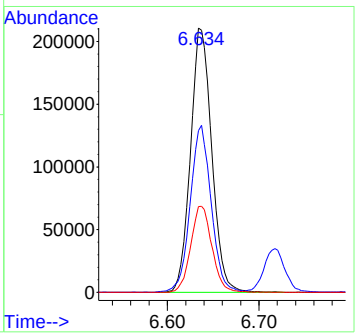


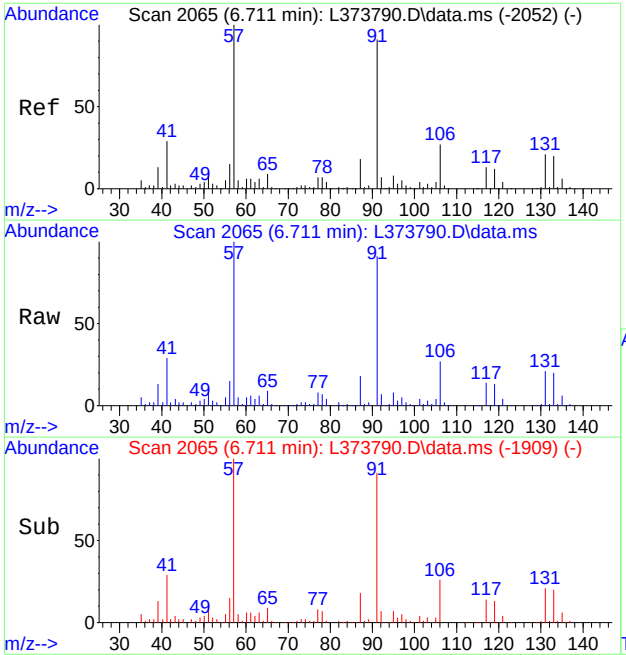


#85
chlorobenzene
Concen: 50.00 ug/L
RT: 6.634 min Scan# 2041
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion:112 Resp: 339698

Ion	Ratio	Lower	Upper
112	100		
77	60.8	30.8	90.8
114	32.4	2.4	62.4

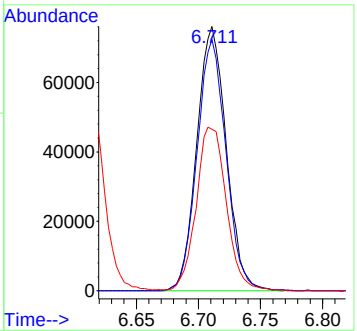


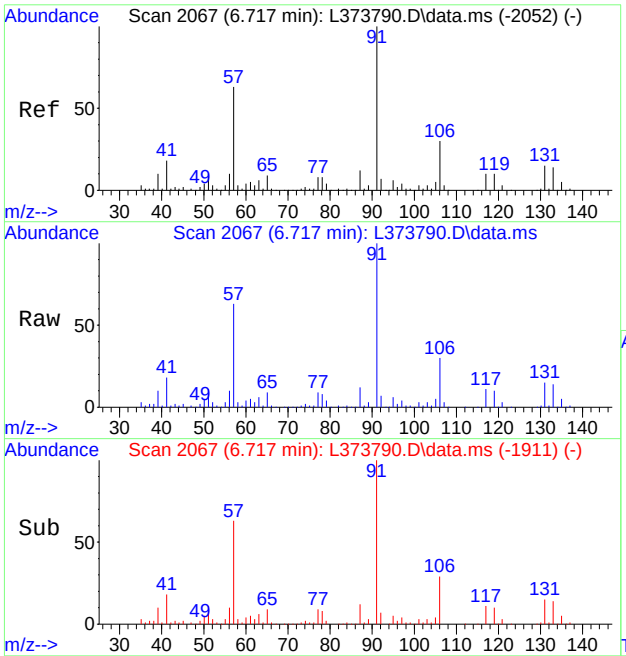


#86
1,1,1,2-tetrachloroethane
Concen: 50.00 ug/L
RT: 6.711 min Scan# 2065
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion:131 Resp: 125793

Ion	Ratio	Lower	Upper
131	100		
133	95.1	65.1	125.1
119	60.8	30.8	90.8

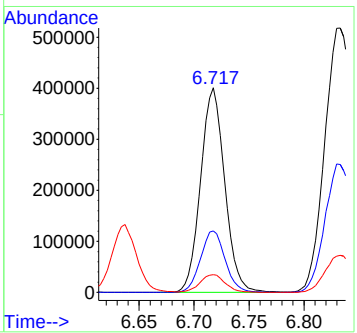


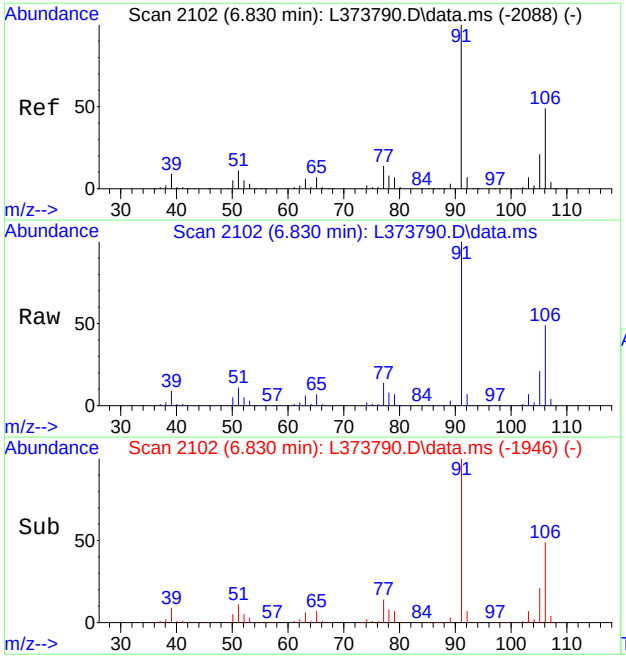


#87
ethylbenzene
Concen: 50.10 ug/L
RT: 6.717 min Scan# 2067
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 91 Resp: 613342

Ion	Ratio	Lower	Upper
91	100		
106	30.1	0.1	60.1
77	8.6	0.0	38.7

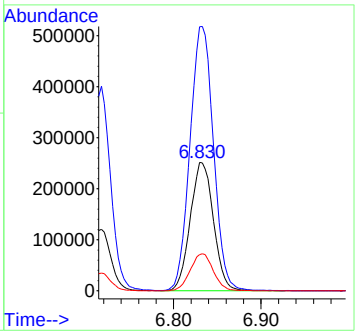


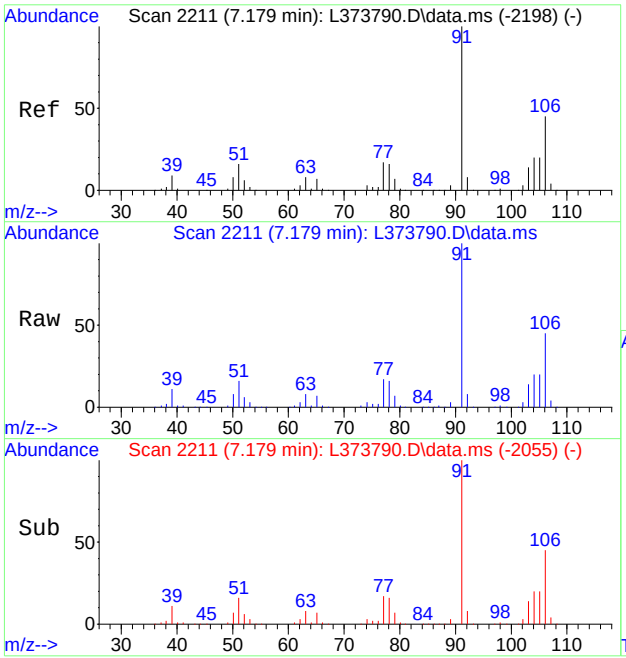


#88
m,p-xylene
Concen: 100.01 ug/L
RT: 6.830 min Scan# 2102
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion:106 Resp: 465173

Ion	Ratio	Lower	Upper
106	100		
91	205.7	175.6	235.6
77	28.1	8.2	48.2

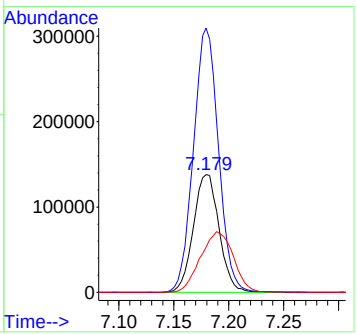


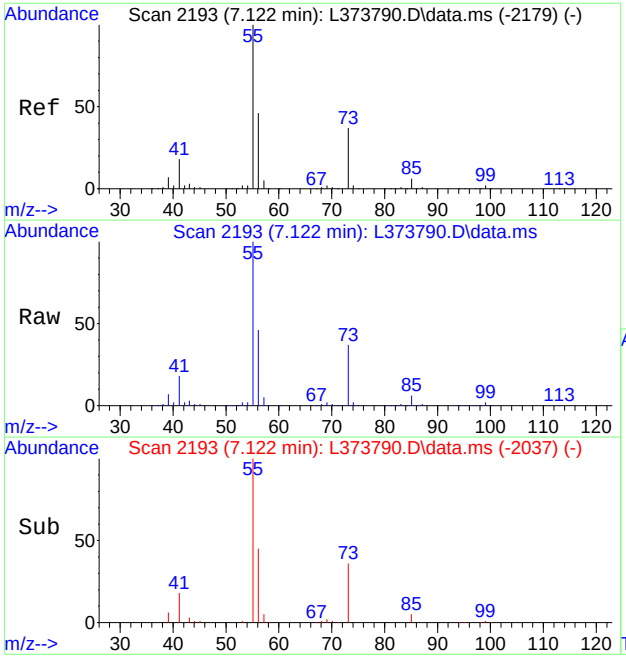


#89
o-xylene
Concen: 50.00 ug/L
RT: 7.179 min Scan# 2211
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion:106 Resp: 224447

Ion	Ratio	Lower	Upper
106	100		
91	224.5	194.5	254.5
77	38.1	18.1	58.1

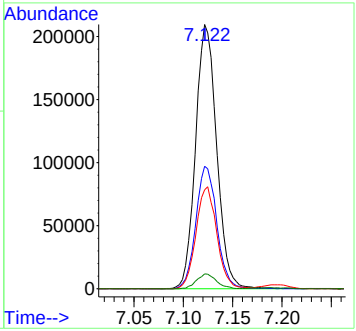


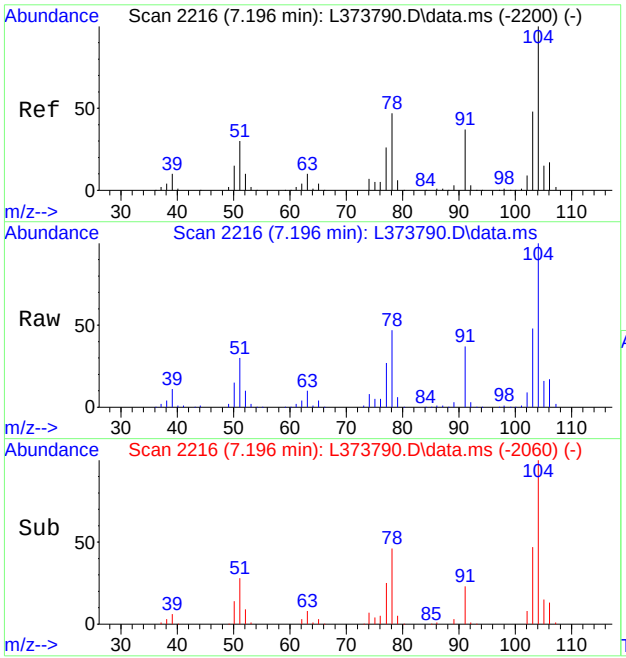


#90
butyl acrylate
Concen: 50.00 ug/L
RT: 7.122 min Scan# 2193
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 55 Resp: 312419

Ion	Ratio	Lower	Upper
55	100		
56	46.3	26.3	66.3
73	37.5	17.5	57.5
85	5.6	0.0	25.6

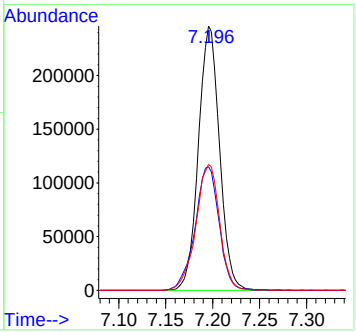


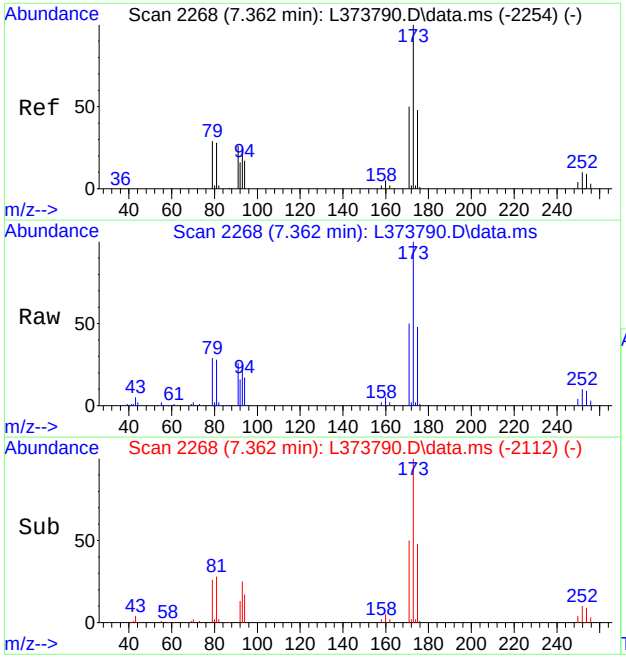


#91
styrene
Concen: 50.00 ug/L
RT: 7.196 min Scan# 2216
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion:104 Resp: 385514

Ion	Ratio	Lower	Upper
104	100		
78	46.8	16.8	76.8
103	47.7	17.7	77.7

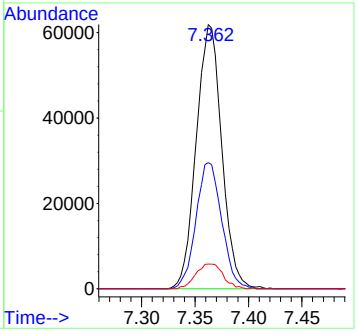


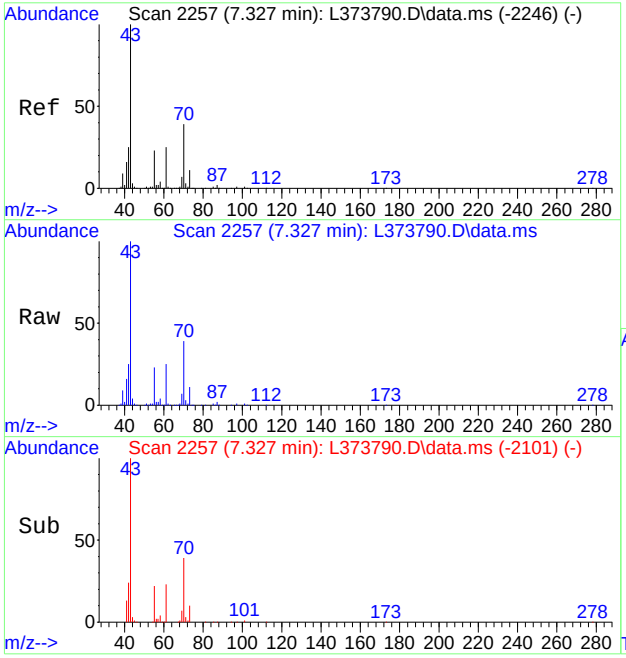


#92
bromoform
Concen: 50.00 ug/L
RT: 7.362 min Scan# 2268
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion:173 Resp: 102774

Ion	Ratio	Lower	Upper
173	100		
175	47.8	17.8	77.8
254	9.4	0.0	39.4

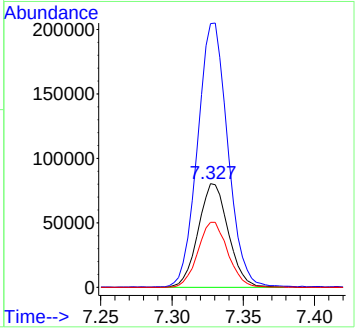


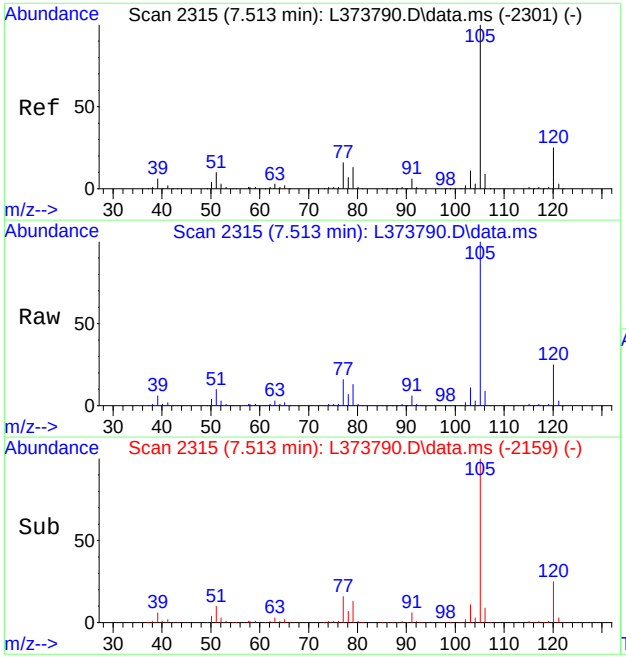


#93
n-amyl acetate
Concen: 50.00 ug/L
RT: 7.327 min Scan# 2257
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 70 Resp: 118226

Ion	Ratio	Lower	Upper
70	100		
43	253.4	233.4	273.4
61	62.6	42.6	82.6

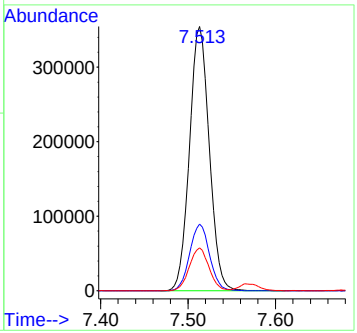


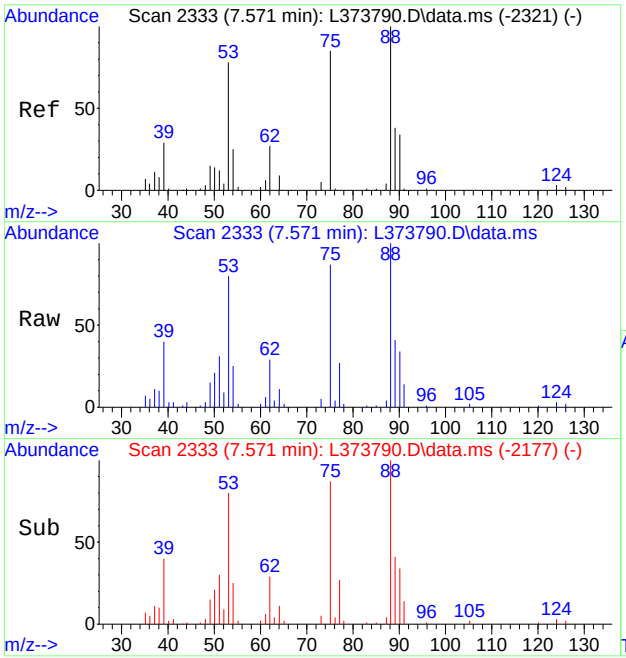


#94
isopropylbenzene
Concen: 50.00 ug/L
RT: 7.513 min Scan# 2315
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion:105 Resp: 558997

Ion	Ratio	Lower	Upper
105	100		
120	25.2	5.2	45.2
77	16.2	0.0	36.2

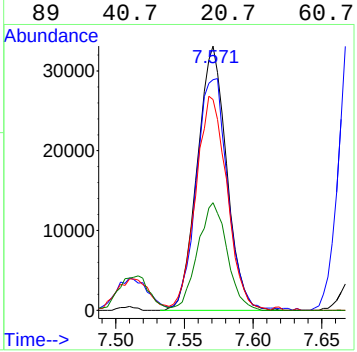


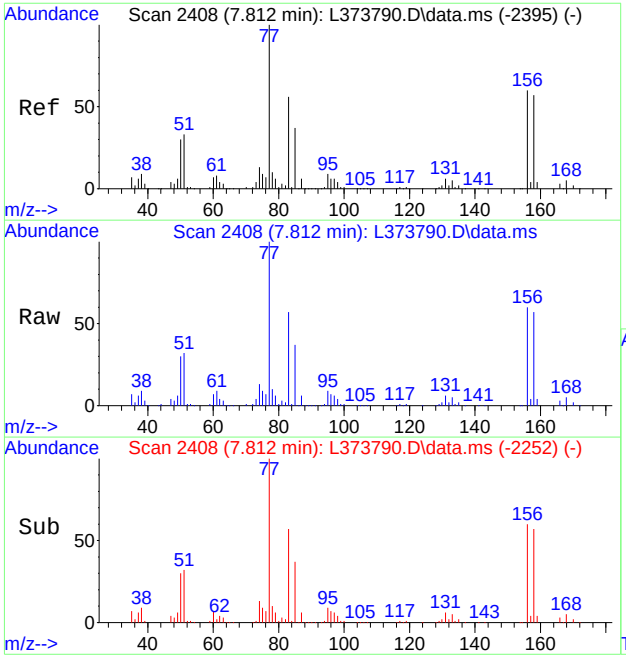


#95
cis-1,4-dichloro-2-butene
Concen: 50.00 ug/L
RT: 7.571 min Scan# 2333
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 88 Resp: 49152

Ion	Ratio	Lower	Upper
88	100		
75	86.5	66.5	106.5
53	79.7	59.7	99.7
89	40.7	20.7	60.7

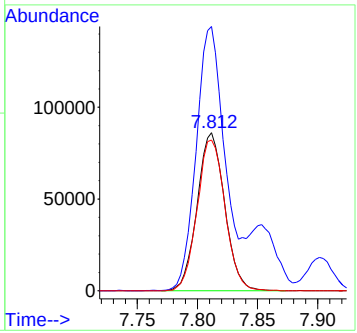


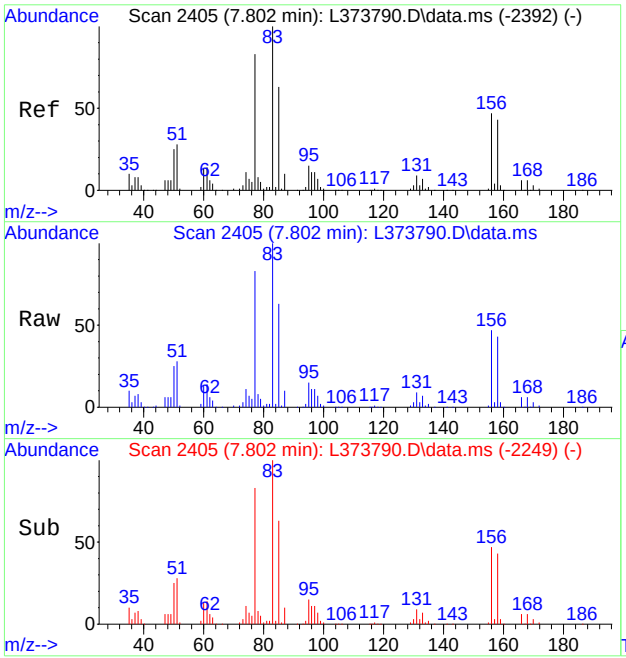


#98
bromobenzene
Concen: 50.00 ug/L
RT: 7.812 min Scan# 2408
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion:156 Resp: 136937

Ion	Ratio	Lower	Upper
156	100		
77	167.0	137.0	197.0
158	95.5	65.5	125.5

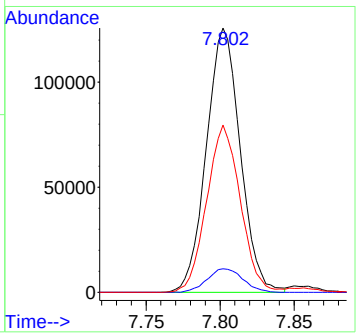


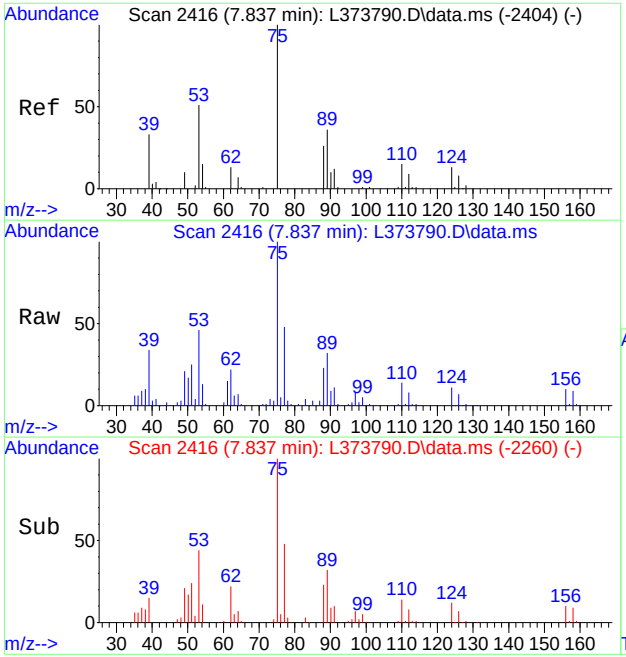


#99
1,1,2,2-tetrachloroethane
Concen: 49.88 ug/L
RT: 7.802 min Scan# 2405
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 83 Resp: 200016

Ion	Ratio	Lower	Upper
83	100		
131	8.9	0.0	38.9
85	63.3	33.3	93.3

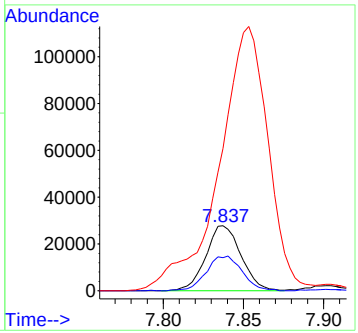


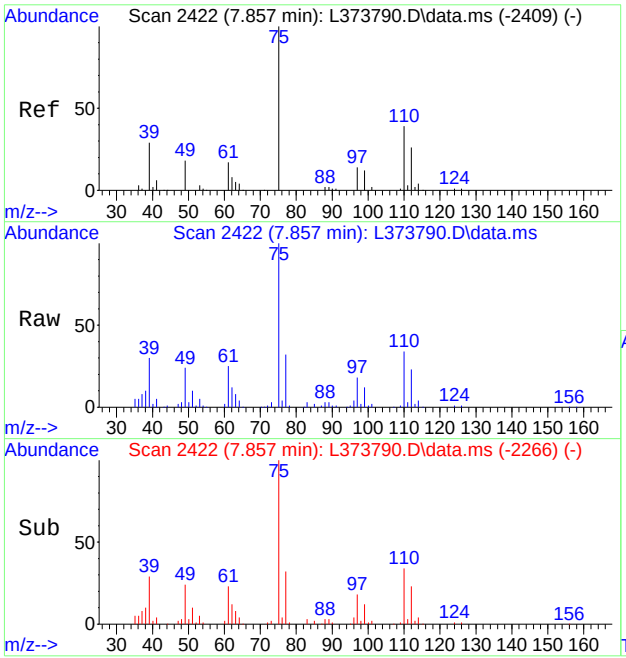


#100
trans-1,4-dichloro-2-butene
Concen: 50.06 ug/L
RT: 7.837 min Scan# 2416
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 53 Resp: 42544

Ion	Ratio	Lower	Upper
53	100		
88	51.0	21.0	81.0
75	195.8	188.7	248.7

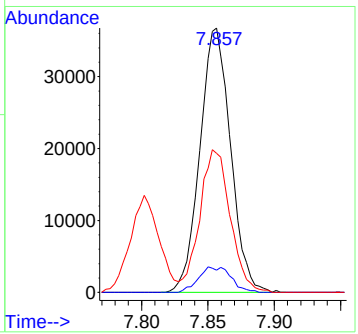


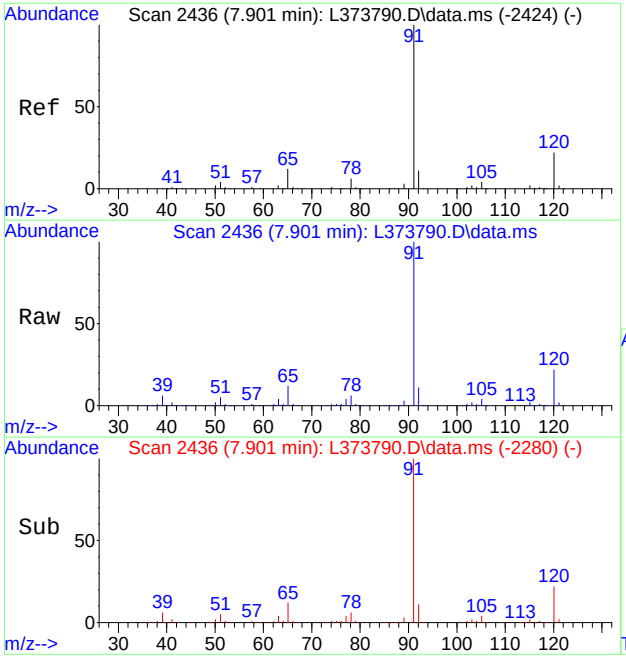


#101
1,2,3-trichloropropane
Concen: 50.00 ug/L
RT: 7.857 min Scan# 2422
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion:110 Resp: 59113

Ion	Ratio	Lower	Upper
110	100		
111	8.4	0.0	38.4
97	52.5	22.5	82.5

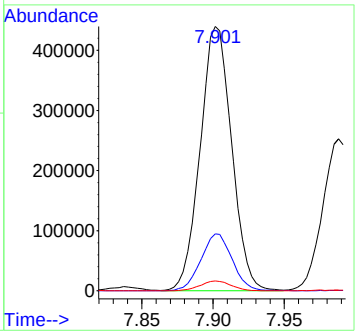


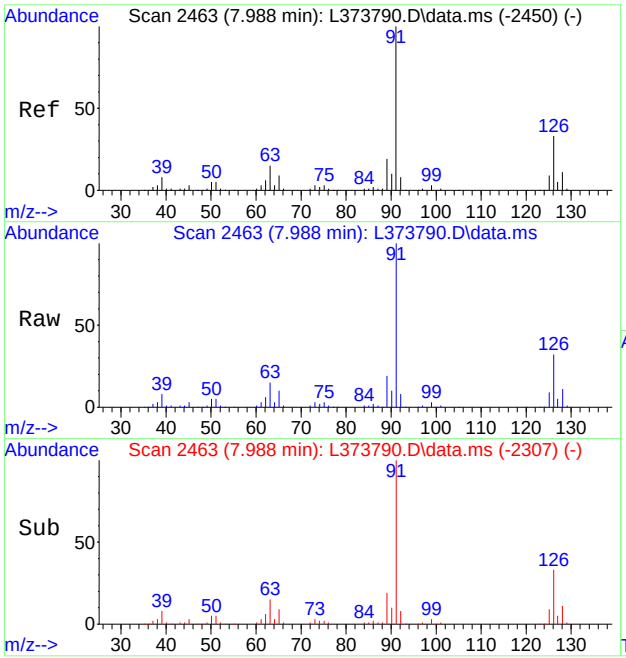


#102
n-propylbenzene
Concen: 50.11 ug/L
RT: 7.901 min Scan# 2436
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 91 Resp: 677704

Ion	Ratio	Lower	Upper
91	100		
120	21.5	0.0	51.5
105	3.7	0.0	33.7

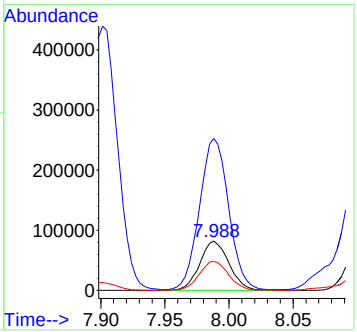


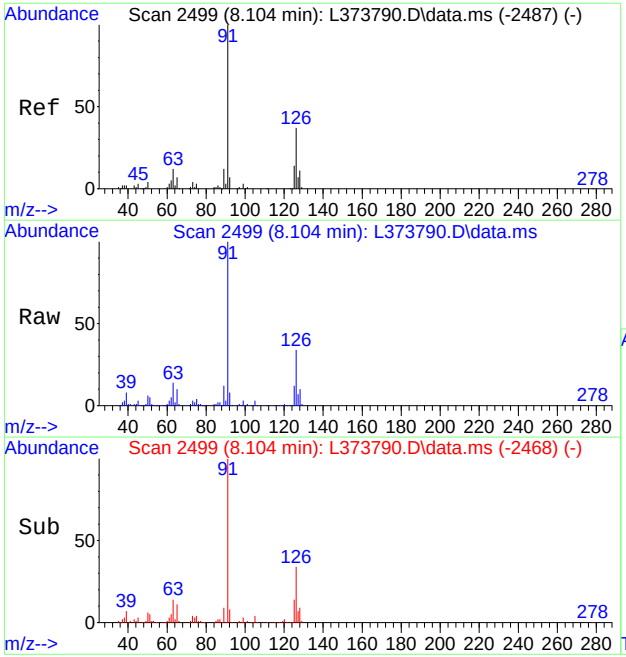


#103
2-chlorotoluene
Concen: 50.09 ug/L
RT: 7.988 min Scan# 2463
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion:126 Resp: 129794

Ion	Ratio	Lower	Upper
126	100		
91	306.4	278.0	338.0
89	58.8	28.8	88.8

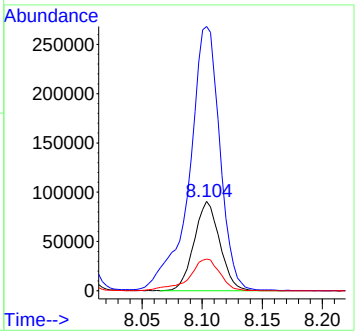


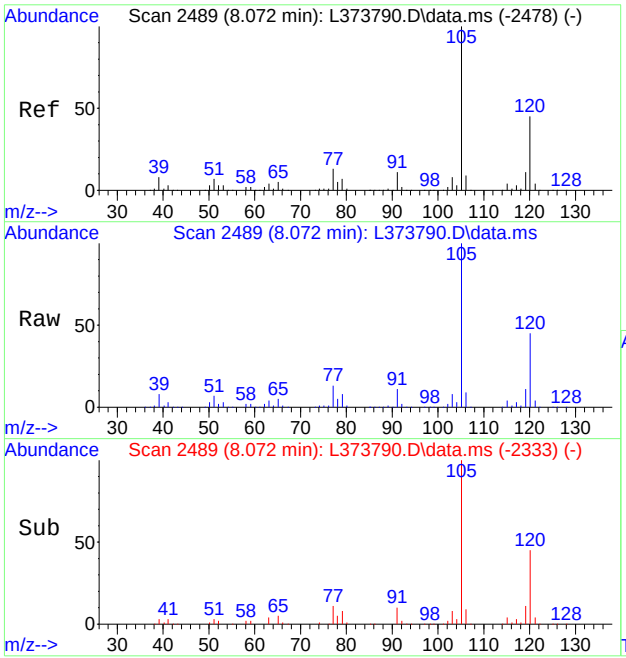


#104
4-chlorotoluene
Concen: 51.89 ug/L
RT: 8.104 min Scan# 2499
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion:126 Resp: 135197

Ion	Ratio	Lower	Upper
126	100		
91	295.5	265.5	325.5
89	35.5	5.5	65.5

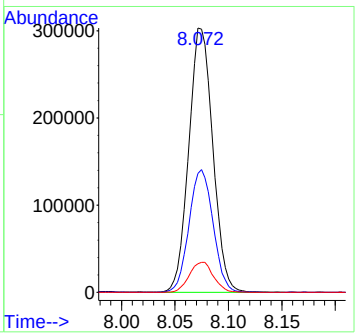


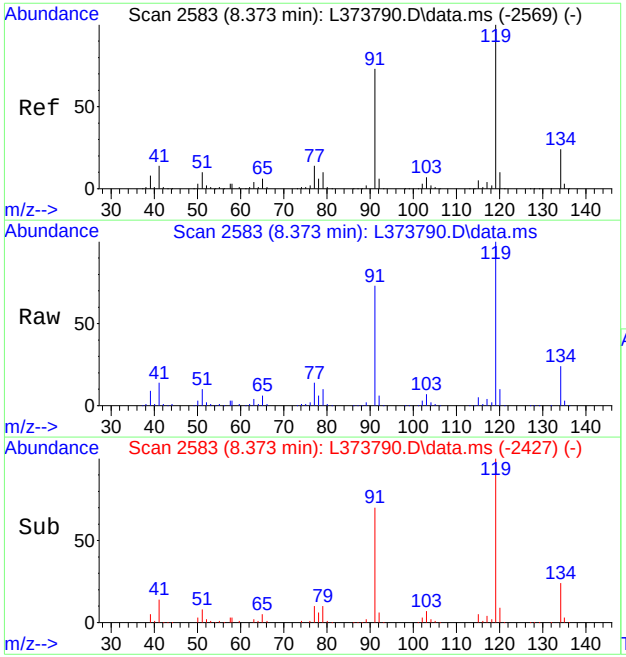


#105
1,3,5-trimethylbenzene
Concen: 50.00 ug/L
RT: 8.072 min Scan# 2489
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion:105 Resp: 476265

Ion	Ratio	Lower	Upper
105	100		
120	44.9	14.9	74.9
119	10.8	0.0	40.8

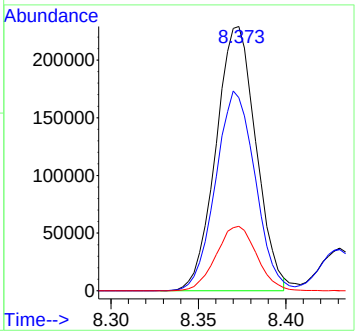


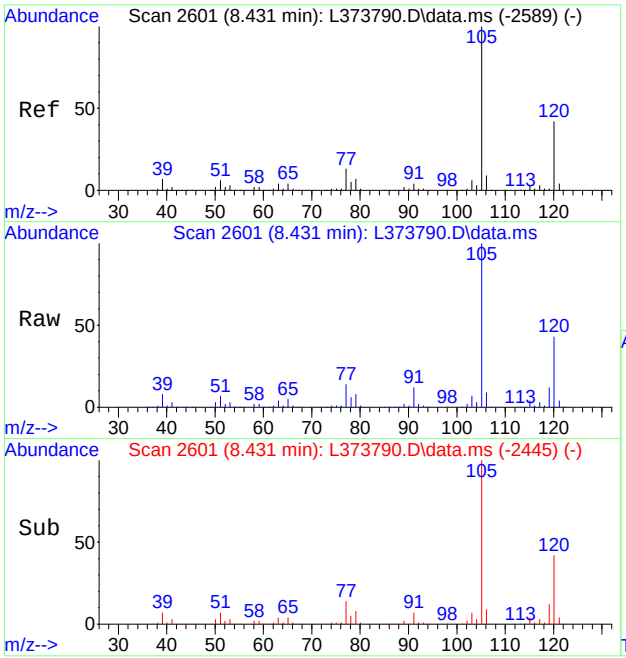


#106
tert-butylbenzene
Concen: 49.66 ug/L
RT: 8.373 min Scan# 2583
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion:119 Resp: 364979

Ion	Ratio	Lower	Upper
119	100		
91	72.9	43.0	103.0
134	24.4	0.0	54.4

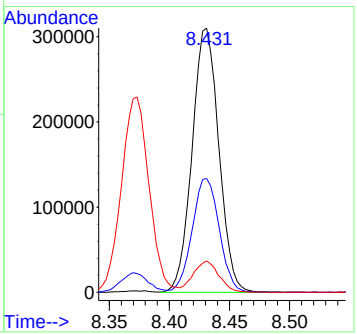


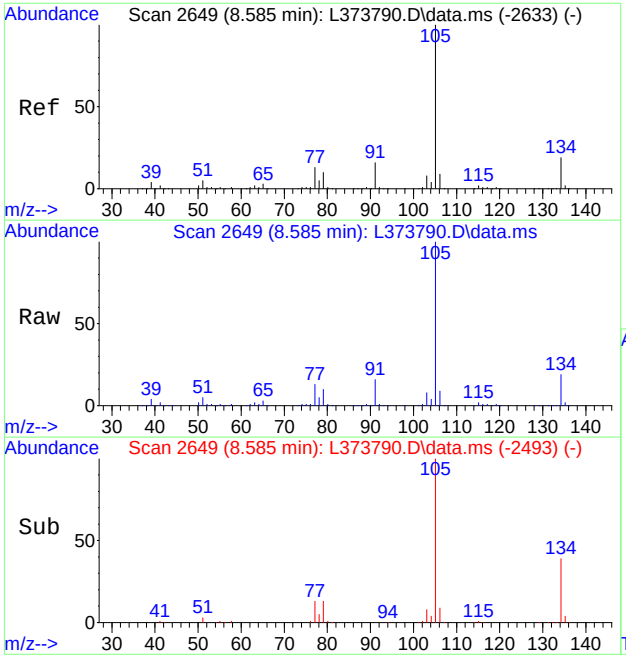


#107
1,2,4-trimethylbenzene
Concen: 50.00 ug/L
RT: 8.431 min Scan# 2601
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion:105 Resp: 478571

Ion	Ratio	Lower	Upper
105	100		
120	43.1	13.1	73.1
119	11.9	0.0	41.9

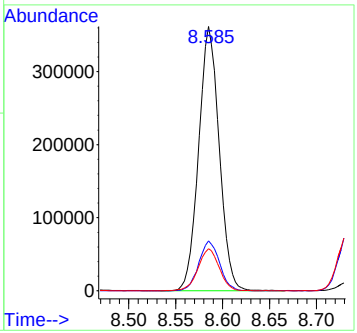


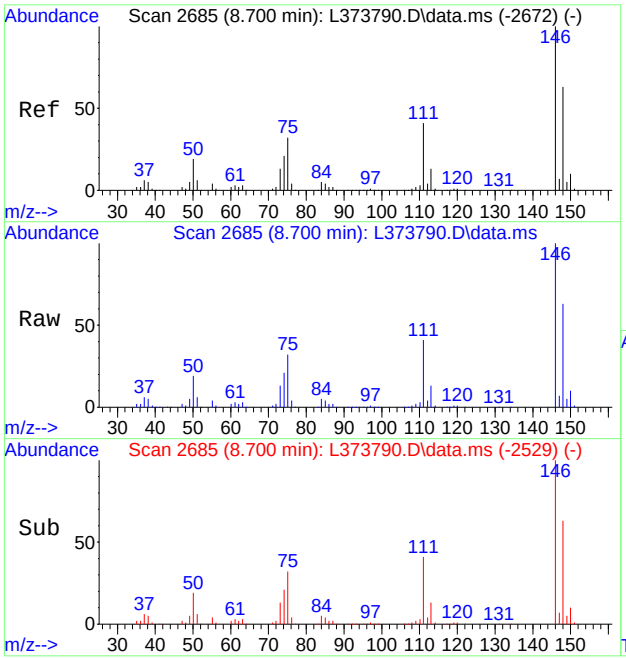


#108
sec-butylbenzene
Concen: 50.00 ug/L
RT: 8.585 min Scan# 2649
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion:105 Resp: 550627

Ion	Ratio	Lower	Upper
105	100		
134	18.8	0.0	48.8
91	15.9	0.0	45.9

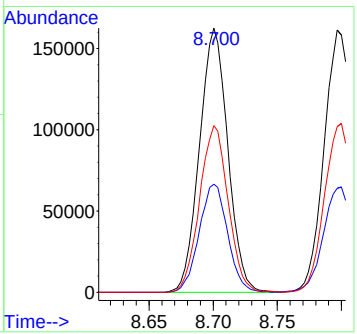


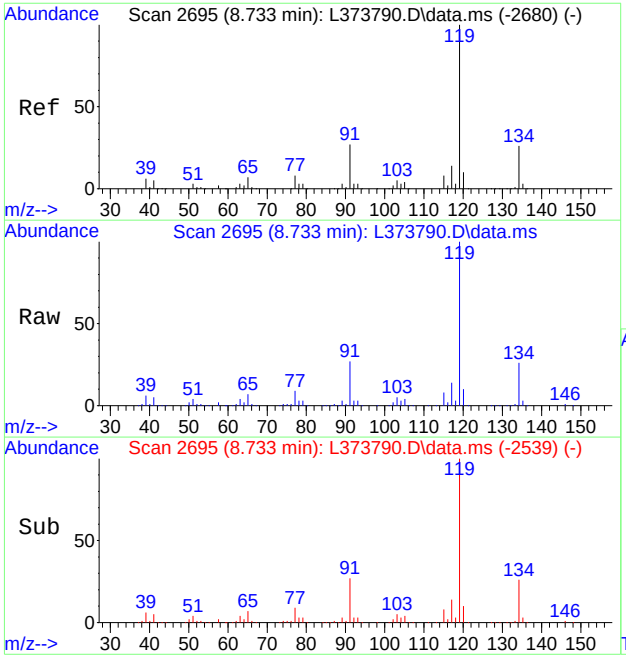


#109
1,3-dichlorobenzene
Concen: 50.00 ug/L
RT: 8.700 min Scan# 2685
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion:146 Resp: 250561

Ion	Ratio	Lower	Upper
146	100		
111	41.0	11.0	71.0
148	63.0	33.0	93.0

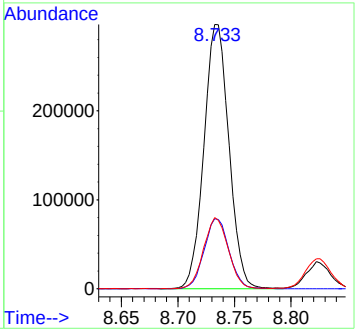


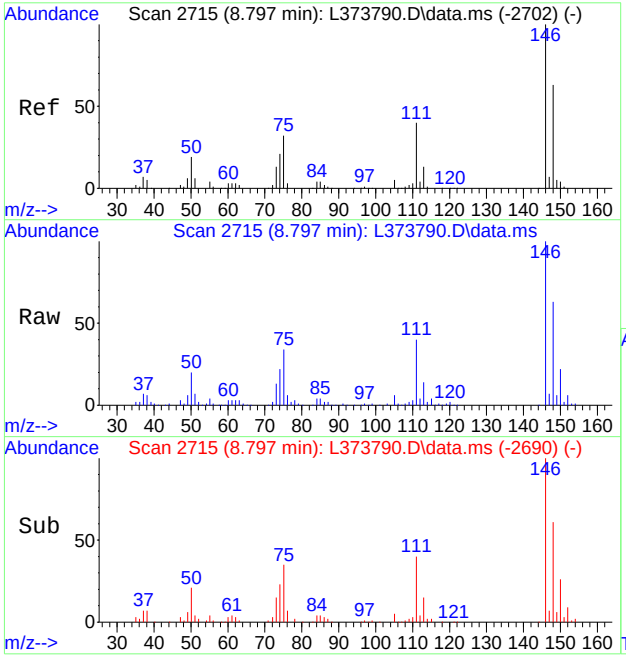


#110
p-isopropyltoluene
Concen: 50.00 ug/L
RT: 8.733 min Scan# 2695
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion:119 Resp: 455338

Ion	Ratio	Lower	Upper
119	100		
134	26.5	0.0	56.5
91	26.9	0.0	56.9

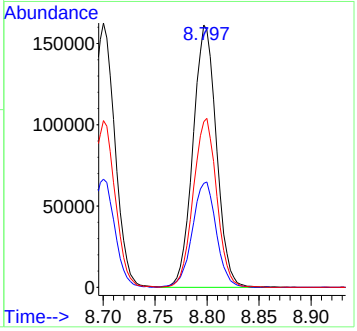


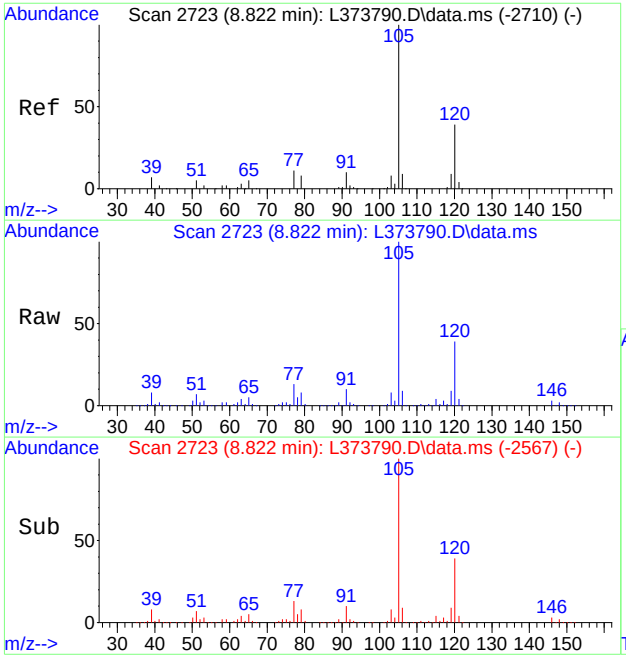


#111
1,4-dichlorobenzene
Concen: 49.98 ug/L
RT: 8.797 min Scan# 2715
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion:146 Resp: 253758

Ion	Ratio	Lower	Upper
146	100		
111	39.7	9.7	69.7
148	63.0	33.2	93.2

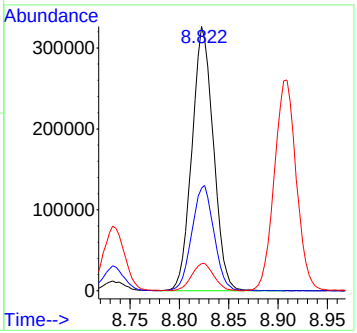


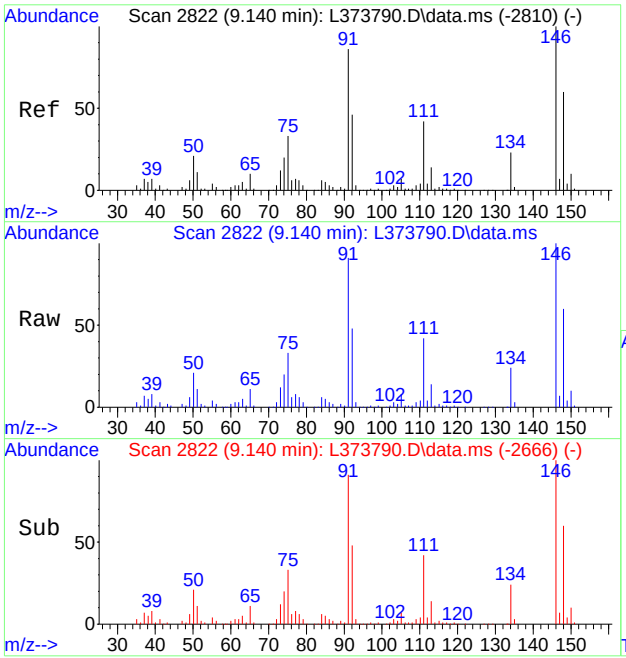


#112
1,2,3-trimethylbenzene
Concen: 50.00 ug/L
RT: 8.822 min Scan# 2723
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion:105 Resp: 494160

Ion	Ratio	Lower	Upper
105	100		
120	38.8	8.8	68.8
91	10.2	0.0	40.2

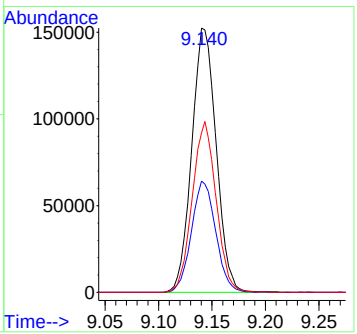


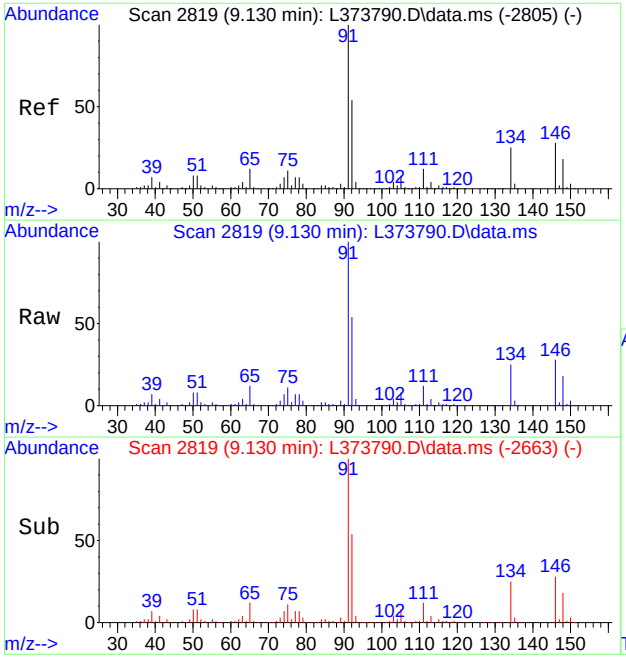


#113
1,2-dichlorobenzene
Concen: 50.00 ug/L
RT: 9.140 min Scan# 2822
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion:146 Resp: 242696

Ion	Ratio	Lower	Upper
146	100		
111	42.1	12.1	72.1
148	60.4	30.4	90.4

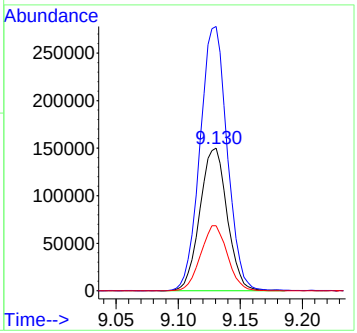


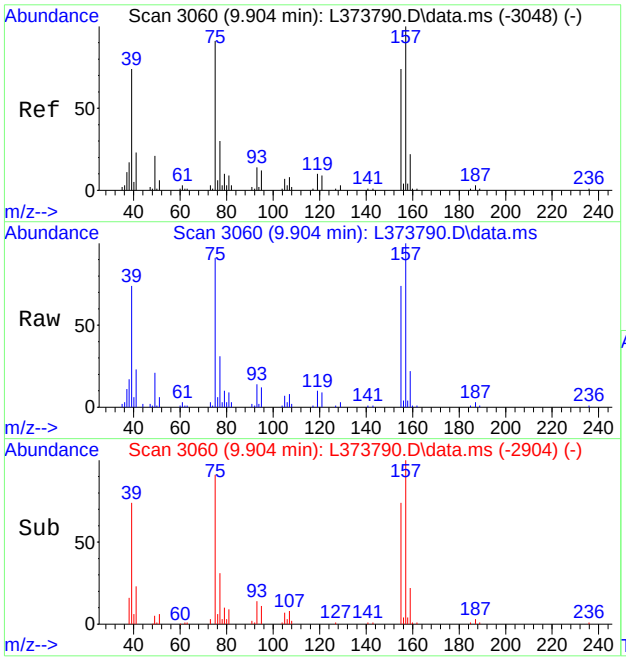


#114
n-butylbenzene
Concen: 50.00 ug/L
RT: 9.130 min Scan# 2819
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 92 Resp: 229080

Ion	Ratio	Lower	Upper
92	100		
91	185.4	155.4	215.4
134	45.6	15.6	75.6

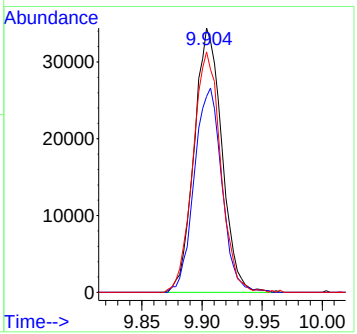


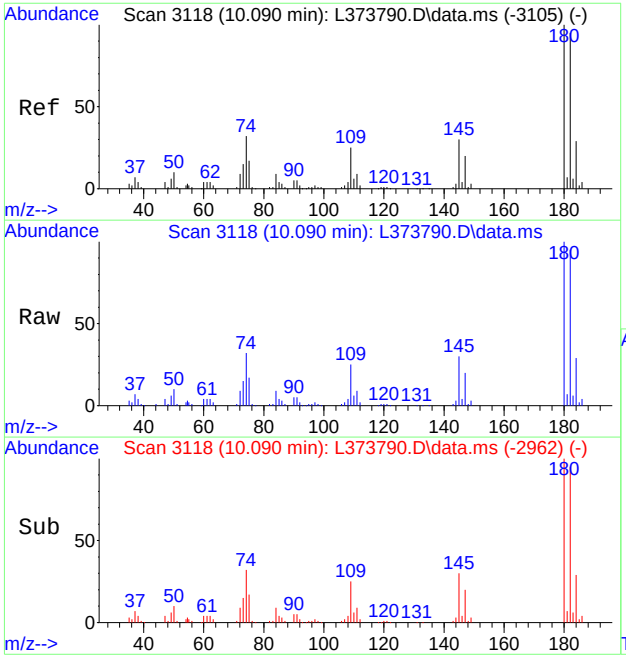


#115
1,2-dibromo-3-chloropropane
Concen: 50.00 ug/L
RT: 9.904 min Scan# 3060
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion:157 Resp: 55204

Ion	Ratio	Lower	Upper
157	100		
155	74.1	44.1	104.1
75	90.9	60.9	120.9

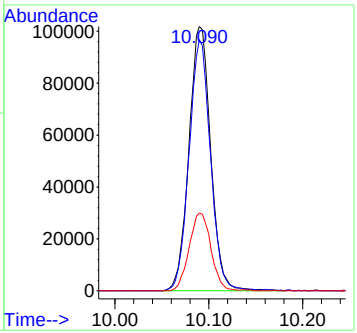


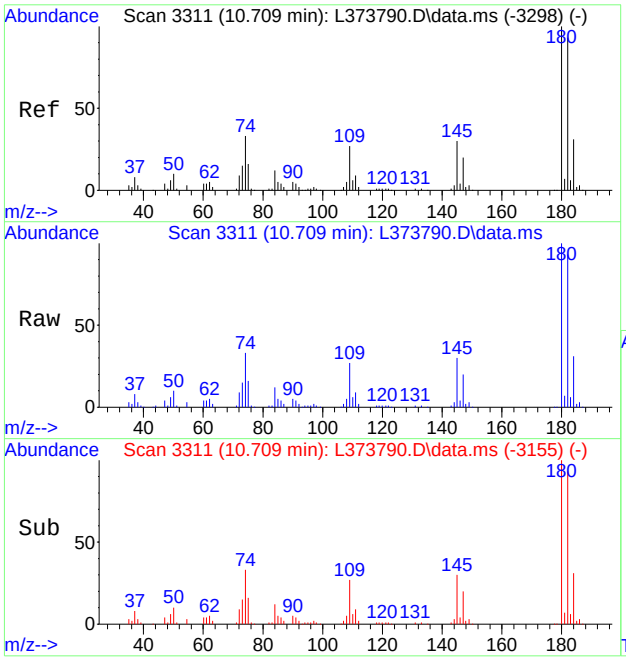


#116
1,3,5-trichlorobenzene
Concen: 50.00 ug/L
RT: 10.090 min Scan# 3118
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion:180 Resp: 163678

Ion	Ratio	Lower	Upper
180	100		
182	95.0	65.0	125.0
184	29.4	0.0	59.4

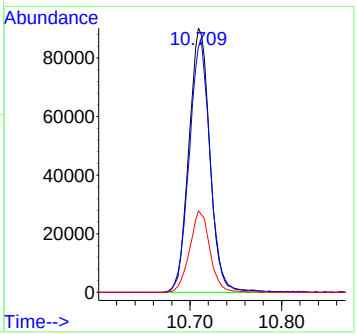


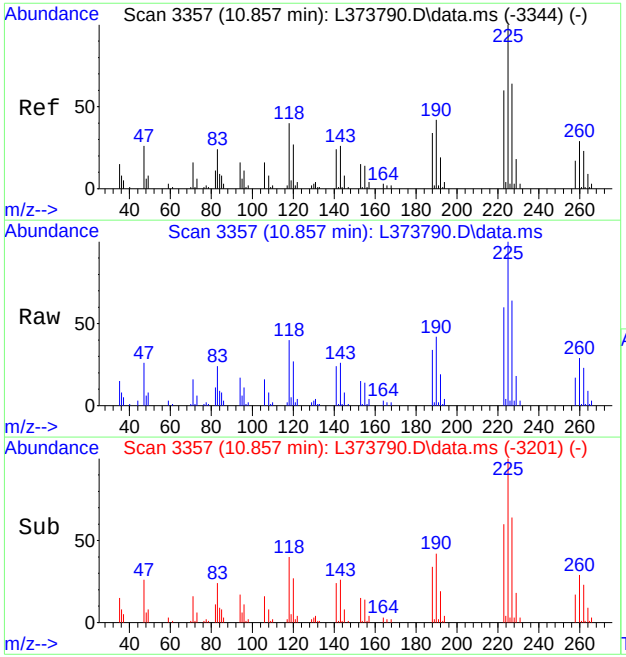


#117
1,2,4-trichlorobenzene
Concen: 50.00 ug/L
RT: 10.709 min Scan# 3311
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion:180 Resp: 143559

Ion	Ratio	Lower	Upper
180	100		
182	93.1	63.1	123.1
184	30.8	0.8	60.8

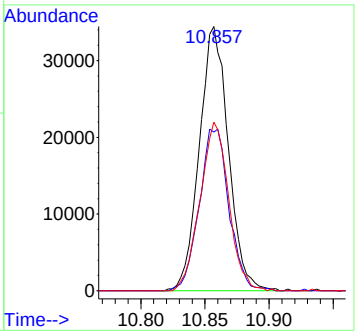


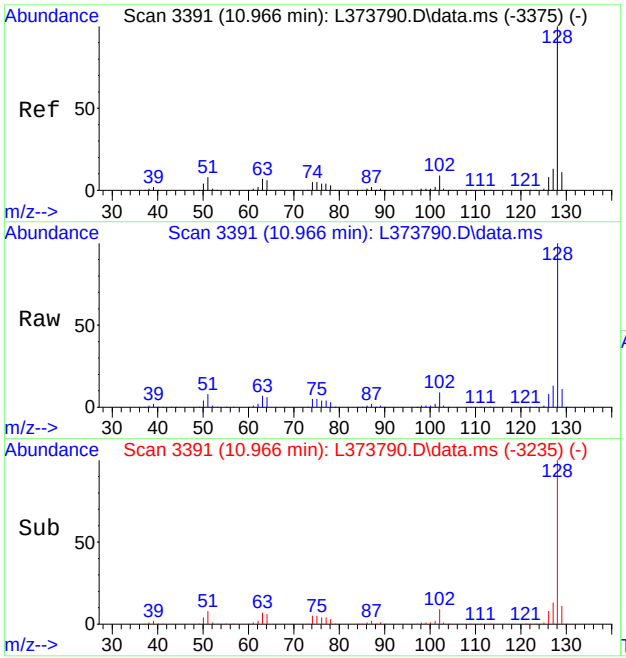


#118
hexachlorobutadiene
Concen: 50.00 ug/L
RT: 10.857 min Scan# 3357
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion:225 Resp: 54325

Ion	Ratio	Lower	Upper
225	100		
223	60.0	30.0	90.0
227	63.8	33.8	93.8

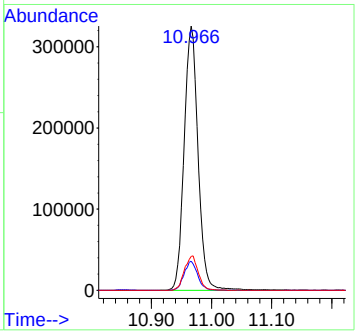


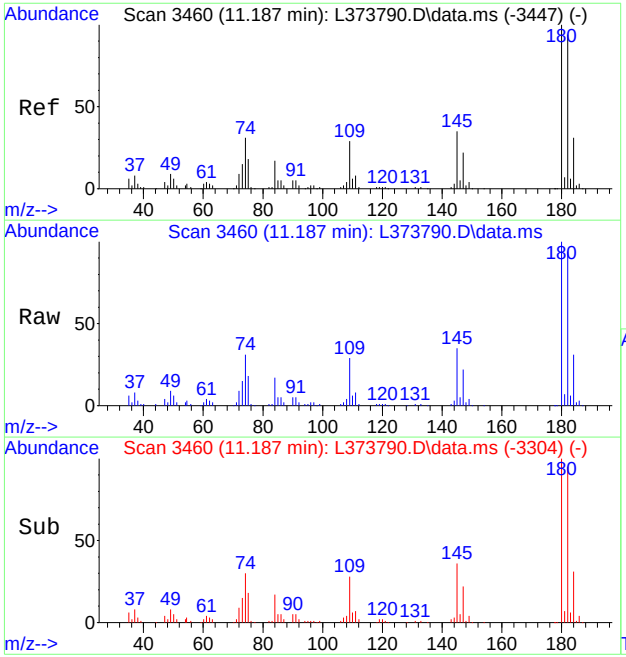


#119
naphthalene
Concen: 50.00 ug/L
RT: 10.966 min Scan# 3391
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion:128 Resp: 523349

Ion	Ratio	Lower	Upper
128	100		
129	11.1	0.0	41.1
127	12.9	0.0	42.9

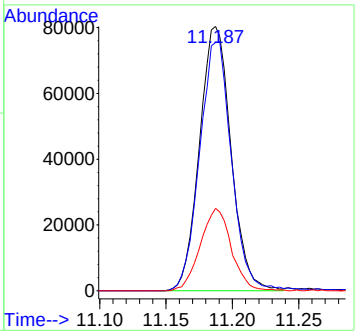


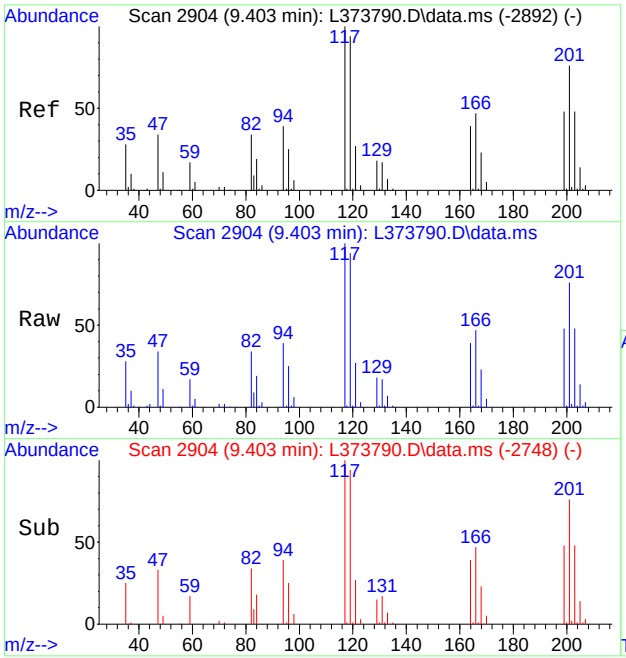


#120
1,2,3-trichlorobenzene
Concen: 50.00 ug/L
RT: 11.187 min Scan# 3460
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion:180 Resp: 133059

Ion	Ratio	Lower	Upper
180	100		
182	93.9	63.9	123.9
184	31.2	1.2	61.2

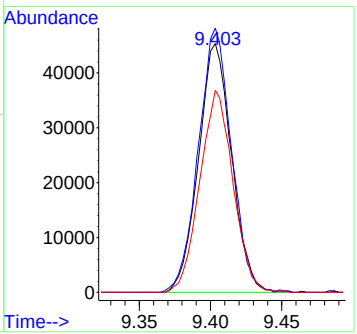


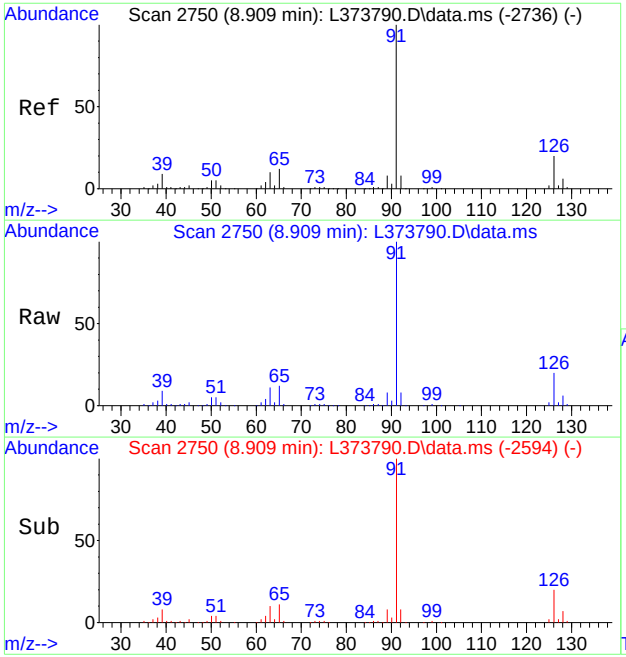


#121
hexachloroethane
Concen: 50.00 ug/L
RT: 9.403 min Scan# 2904
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion:119 Resp: 73315

Ion	Ratio	Lower	Upper
119	100		
117	106.2	76.2	136.2
201	81.2	51.2	111.2

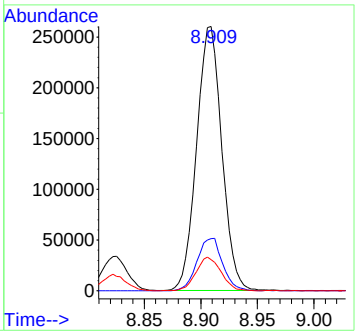


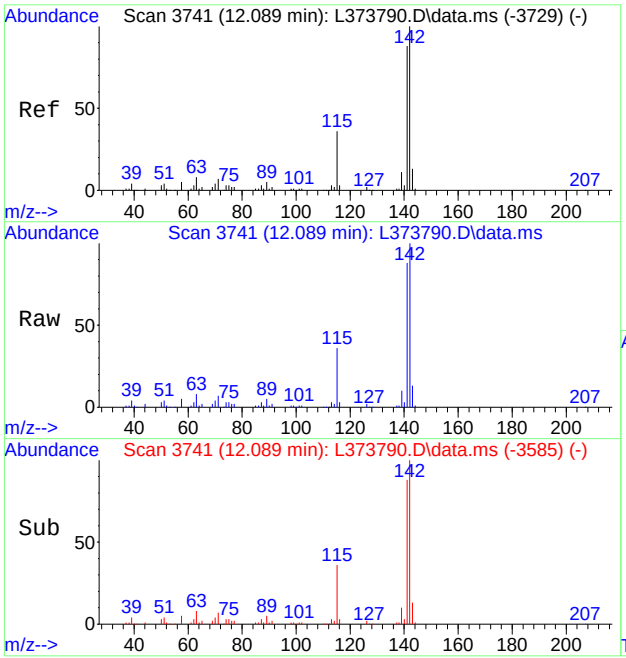


#122
benzyl chloride
Concen: 50.00 ug/L
RT: 8.909 min Scan# 2750
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 91 Resp: 403261

Ion	Ratio	Lower	Upper
91	100		
126	19.8	0.0	49.8
65	11.8	0.0	41.8

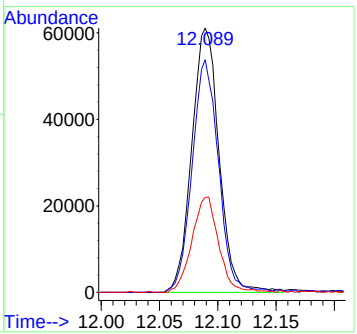




#123
2-methylnaphthalene
Concen: 25.00 ug/L
RT: 12.089 min Scan# 3741
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion:142 Resp: 99907

Ion	Ratio	Lower	Upper
142	100		
141	88.0	68.0	108.0
115	35.9	15.9	55.9



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373791.D
Acq On : 16 Oct 2025 9:22 pm
Operator : BridgetK
Sample : ic11472-100
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 17 10:14:43 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 10:13:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	2.607	65	321456	500.00	ug/L	0.00
5) pentafluorobenzene	3.749	168	256007	50.00	ug/L	0.00
51) 1,4-difluorobenzene	4.285	114	447092	50.00	ug/L	0.00
72) chlorobenzene-d5	6.608	117	345015	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	8.771	152	165718	50.00	ug/L	0.00
124) pentafluorobenzene(a)	3.749	168	256007	50.00	ug/L	0.00
131) 1,4-dichlorobenzene-d4(a)	8.771	152	165718	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	3.749	113	131581	49.08	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.16%			
52) 1,2-dichloroethane-d4 (s)	3.983	65	159172	48.79	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 97.58%			
73) toluene-d8 (s)	5.389	98	506964	50.88	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.76%			
97) 4-bromofluorobenzene (s)	7.677	95	178242	50.28	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.56%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.705	88	203666	2215.9980	ug/L	89
3) ethanol	2.087	45	555274	6080.2349	ug/L	96
4) tertiary butyl alcohol	2.661	59	452516	441.5527	ug/L	100
6) chlorodifluoromethane	1.368	51	348168	90.5286	ug/L	99
7) dichlorodifluoromethane	1.349	85	394430	104.9294	ug/L	100
8) chloromethane	1.484	50	354110	96.1664	ug/L	98
9) vinyl chloride	1.554	62	358596	99.1971	ug/L	100
10) 1,3-butadiene	1.580	54	288867	82.7243	ug/L	98
11) bromomethane	1.760	96	92976	104.4854	ug/L	97
12) chloroethane	1.830	64	142419	90.6253	ug/L	100
13) trichlorofluoromethane	1.994	101	486908	108.2264	ug/L	100
14) ethyl ether	2.161	74	149505	97.4079	ug/L	94
15) acrolein	2.251	56	68252	106.6329	ug/L	95
16) freon 113	2.315	151	194426	101.2051	ug/L	99
17) 1,1-dichloroethene	2.318	96	242234	100.5466	ug/L	98
18) acetone	2.337	58	186690	392.3622	ug/L	97
19) acetonitrile	2.510	40	363215	1007.9682	ug/L	99
20) iodomethane	2.421	142	220183	160.0400	ug/L	99
21) iso-butyl alcohol	3.900	43	312365	959.1455	ug/L	98
22) carbon disulfide	2.472	76	719139	93.4481	ug/L	100
23) methylene chloride	2.623	84	279105	92.1468	ug/L	97
24) methyl acetate	2.523	74	76680	103.2795	ug/L	97
25) methyl tert butyl ether	2.777	73	855488	109.4583	ug/L	99
26) trans-1,2-dichloroethene	2.790	96	274637	100.2599	ug/L	94
27) hexane	2.957	57	353117	106.4548	ug/L	99
28) di-isopropyl ether	3.066	45	889238	108.5985	ug/L	96
29) ethyl tert-butyl ether	3.297	59	924007	110.2767	ug/L	99
30) 2-butanone	3.409	72	260383	448.4548	ug/L	91
31) 1,1-dichloroethane	3.066	63	520476	100.6770	ug/L	99
32) chloroprene	3.114	53	476005	109.7046	ug/L	99
33) acrylonitrile	2.761	53	147682	104.6658	ug/L	99
34) vinyl acetate	3.050	86	70853	106.1601	ug/L #	86
35) ethyl acetate	3.422	45	77406	106.9142	ug/L #	80
36) 2,2-dichloropropane	3.438	77	460858	98.5659	ug/L	97
37) cis-1,2-dichloroethene	3.428	96	297142	98.1774	ug/L	96
38) propionitrile	3.454	54	804759	986.2266	ug/L	93
39) methyl acrylate	3.464	85	69748	114.2295	ug/L	96
40) bromochloromethane	3.589	128	126036	93.3574	ug/L	92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373791.D
Acq On : 16 Oct 2025 9:22 pm
Operator : BridgetK
Sample : ic11472-100
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 17 10:14:43 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 10:13:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) tetrahydrofuran	3.598	72	74887	101.2504 ug/L	97
42) chloroform	3.643	83	527171	89.3712 ug/L	95
44) methacrylonitrile	3.553	67	178731	104.6917 ug/L	97
45) 1,1,1-trichloroethane	3.768	97	459884	101.5468 ug/L	97
46) cyclohexane	3.820	84	398777	107.4899 ug/L	93
47) 1,1-dichloropropene	3.871	75	399542	111.0021 ug/L	98
48) carbon tetrachloride	3.874	117	385611	105.7467 ug/L	99
49) isopropyl acetate	4.003	87	86081	106.8243 ug/L	98
50) tert amyl alcohol	3.983	55	142477	426.2130 ug/L	95
53) tert-amyl methyl ether	4.080	73	887829	102.7274 ug/L	99
54) 2,2,4-trimethylpentane	4.076	57	655728	102.0987 ug/L	98
55) n-butyl alcohol	4.359	56	1175010	4471.8299 ug/L	99
56) benzene	4.009	78	1129872	96.3150 ug/L	100
57) heptane	4.189	57	137904	101.3652 ug/L	97
58) 1,2-dichloroethane	4.038	62	424975	95.0898 ug/L	99
59) trichloroethene	4.465	95	301012	103.7024 ug/L	98
60) ethyl acrylate	4.497	55	512786	97.3309 ug/L	98
61) 2-nitropropane	5.004	41	154797	100.1479 ug/L	97
62) 2-chloroethyl vinyl ether	5.039	63	505639	508.9905 ug/L	95
63) methyl methacrylate	4.670	100	98404	102.3895 ug/L	92
64) 1,2-dichloropropane	4.654	63	293278	98.5360 ug/L	98
65) methylcyclohexane	4.641	83	420112	106.4522 ug/L	97
66) dibromomethane	4.721	93	194666	93.9854 ug/L	97
67) bromodichloromethane	4.843	83	411483	96.5325 ug/L	98
68) cis-1,3-dichloropropene	5.174	75	474895	100.1378 ug/L	97
69) epichlorohydrin	5.087	57	289736	471.1609 ug/L	94
70) 4-methyl-2-pentanone	5.277	58	704863	371.6984 ug/L	98
71) 3-methyl-1-butanol	5.312	70	430951	1743.0379 ug/L	99
74) toluene	5.443	92	685153	95.9741 ug/L	98
75) trans-1,3-dichloropropene	5.620	75	450810	103.0329 ug/L	98
76) ethyl methacrylate	5.649	69	415639	91.3270 ug/L	98
77) 1,1,2-trichloroethane	5.784	83	233429	99.1004 ug/L	94
78) 2-hexanone	5.954	58	740979	359.4245 ug/L	99
79) tetrachloroethene	5.867	166	283380	99.4686 ug/L	98
80) 1,3-dichloropropane	5.922	76	452893	100.1585 ug/L	100
81) butyl acetate	6.043	56	241785	89.0963 ug/L	98
82) dibromochloromethane	6.104	129	295698	97.1379 ug/L	99
83) 1,2-dibromoethane	6.210	107	285313	100.0793 ug/L	97
84) n-butyl ether	6.705	57	1144223	94.7202 ug/L	99
85) chlorobenzene	6.634	112	705803	93.6193 ug/L	99
86) 1,1,1,2-tetrachloroethane	6.711	131	263109	106.0727 ug/L	98
87) ethylbenzene	6.714	91	1274094	97.5123 ug/L	99
88) m,p-xylene	6.830	106	954127	188.4250 ug/L	98
89) o-xylene	7.176	106	462703	93.3168 ug/L	96
90) butyl acrylate	7.122	55	649301	88.4780 ug/L	99
91) styrene	7.195	104	799922	96.9844 ug/L	98
92) bromoform	7.362	173	216404	101.2750 ug/L	99
93) n-amyl acetate	7.327	70	240370	87.2120 ug/L	95
94) isopropylbenzene	7.510	105	1155034	97.4866 ug/L	98
95) cis-1,4-dichloro-2-butene	7.568	88	114755	125.6809 ug/L	95
98) bromobenzene	7.808	156	282773	95.3261 ug/L	100
99) 1,1,2,2-tetrachloroethane	7.802	83	420792	93.1319 ug/L	97
100) trans-1,4-dichloro-2-b...	7.837	53	100439	122.8146 ug/L	88
101) 1,2,3-trichloropropane	7.853	110	124028	91.6667 ug/L	99
102) n-propylbenzene	7.901	91	1407679	99.0716 ug/L	99
103) 2-chlorotoluene	7.988	126	265434	95.5464 ug/L	96
104) 4-chlorotoluene	8.100	126	276534	93.3863 ug/L	92
105) 1,3,5-trimethylbenzene	8.075	105	988628	99.9717 ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373791.D
Acq On : 16 Oct 2025 9:22 pm
Operator : BridgetK
Sample : ic11472-100
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 17 10:14:43 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 10:13:07 2025
Response via : Initial Calibration

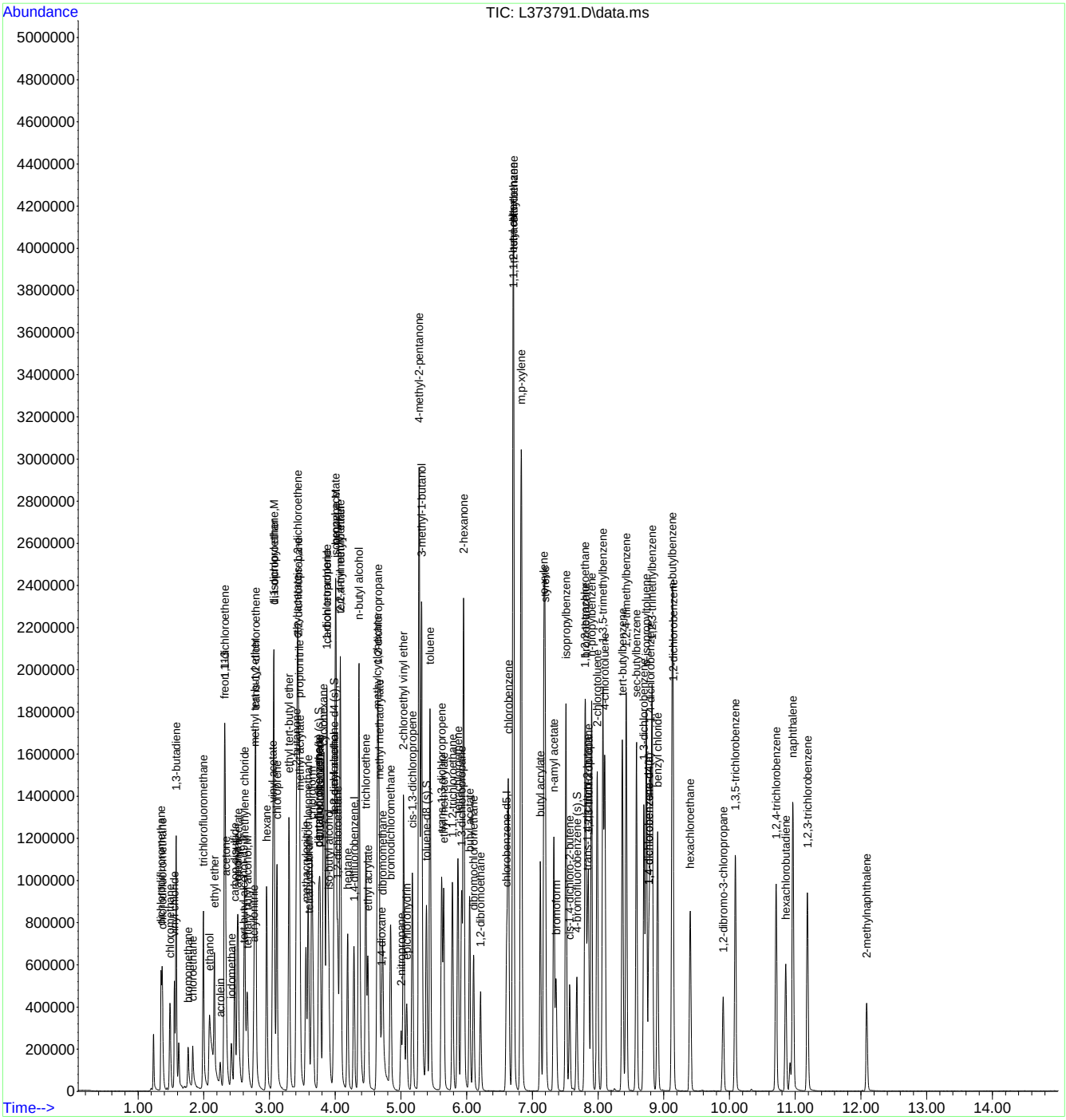
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
106) tert-butylbenzene	8.370	119	753814	95.9523 ug/L	97
107) 1,2,4-trimethylbenzene	8.428	105	1005923	100.9513 ug/L	99
108) sec-butylbenzene	8.585	105	1133201	100.3133 ug/L	99
109) 1,3-dichlorobenzene	8.697	146	518969	94.2948 ug/L	99
110) p-isopropyltoluene	8.733	119	938813	100.5196 ug/L	99
111) 1,4-dichlorobenzene	8.797	146	531534	93.2006 ug/L	97
112) 1,2,3-trimethylbenzene	8.822	105	1034886	97.3347 ug/L	97
113) 1,2-dichlorobenzene	9.143	146	499131	94.3942 ug/L	99
114) n-butylbenzene	9.127	92	483729	104.8976 ug/L	98
115) 1,2-dibromo-3-chloropr...	9.904	157	113713	94.0070 ug/L	94
116) 1,3,5-trichlorobenzene	10.087	180	334298	100.3161 ug/L	99
117) 1,2,4-trichlorobenzene	10.709	180	293851	100.3646 ug/L	99
118) hexachlorobutadiene	10.857	225	106607	96.4810 ug/L	98
119) naphthalene	10.963	128	1087579	99.5339 ug/L	99
120) 1,2,3-trichlorobenzene	11.187	180	277551	98.6993 ug/L	99
121) hexachloroethane	9.400	119	159414	116.6039 ug/L	97
122) benzyl chloride	8.906	91	849641	97.2758 ug/L	99
123) 2-methylnaphthalene	12.089	142	205052	48.0875 ug/L	96

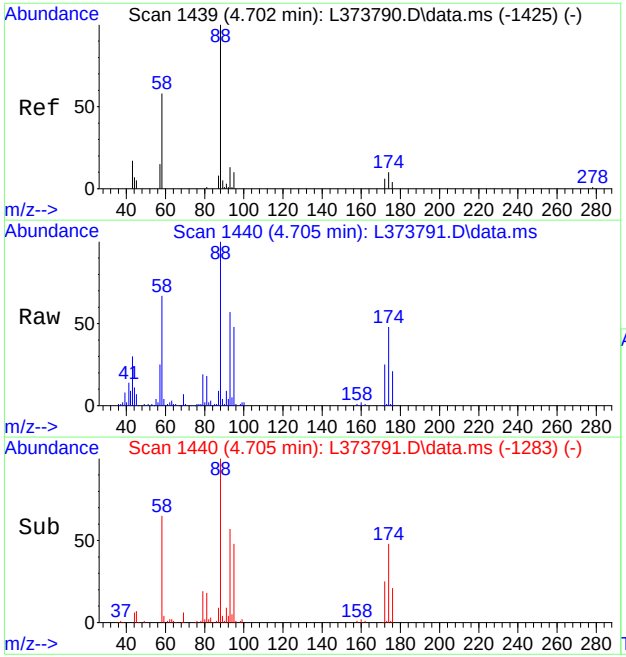
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373791.D
Acq On : 16 Oct 2025 9:22 pm
Operator : BridgetK
Sample : ic11472-100
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 17 10:14:43 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 10:13:07 2025
Response via : Initial Calibration

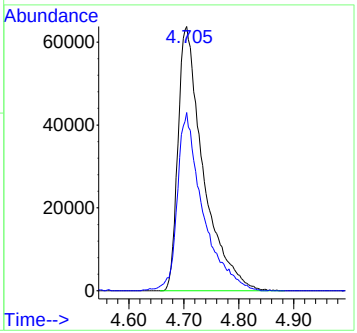


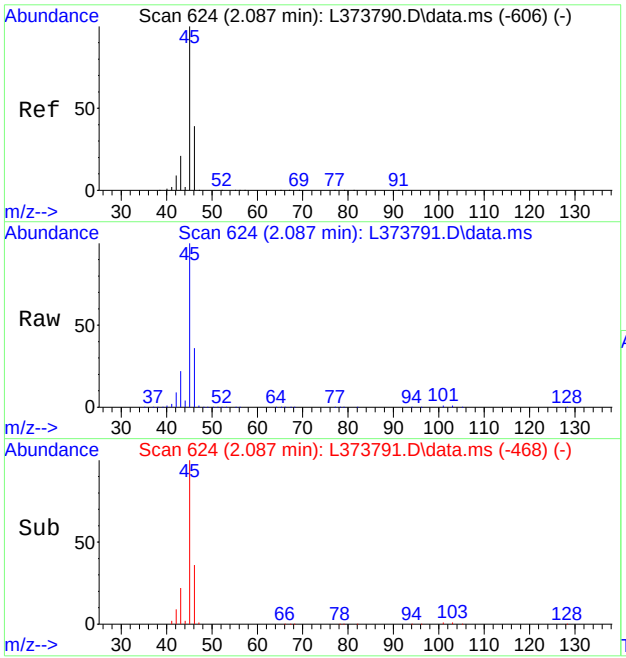


#2
1,4-dioxane
Concen: 2216.00 ug/L
RT: 4.705 min Scan# 1440
Delta R.T. 0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 88 Resp: 203666

Ion	Ratio	Lower	Upper
88	100		
58	67.5	29.1	89.1

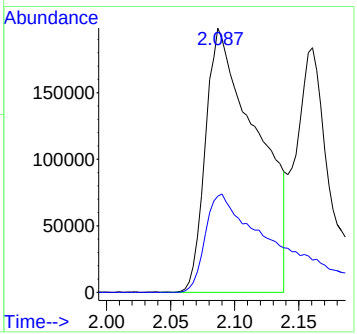


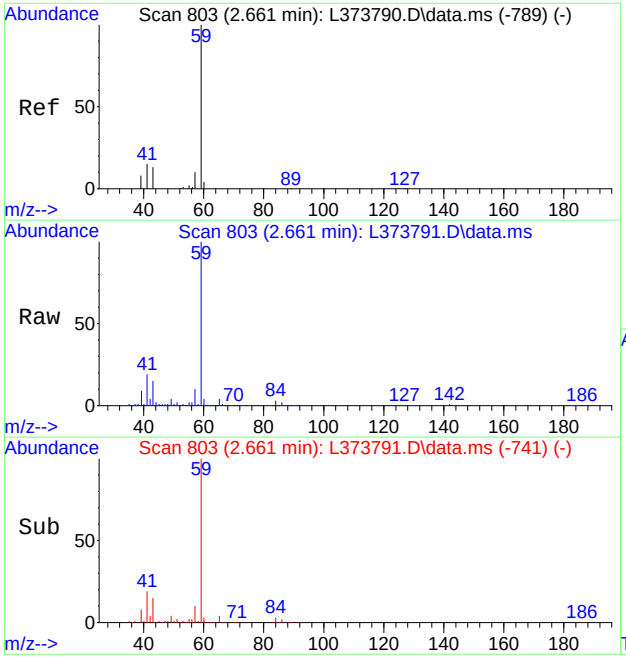


#3
ethanol
Concen: 6080.23 ug/L
RT: 2.087 min Scan# 624
Delta R.T. -0.000 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 45 Resp: 555274

Ion	Ratio	Lower	Upper
45	100		
46	36.4	18.6	58.6

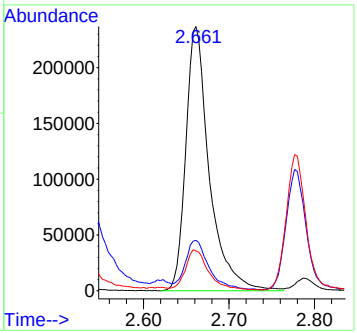


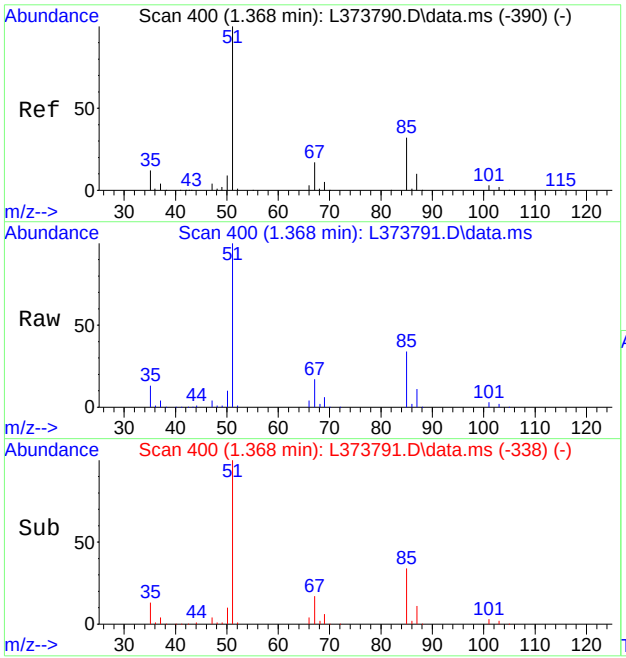


#4
tertiary butyl alcohol
Concen: 441.55 ug/L
RT: 2.661 min Scan# 803
Delta R.T. -0.000 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 59 Resp: 452516

Ion	Ratio	Lower	Upper
59	100		
41	15.3	0.0	45.3
43	13.9	0.0	43.5

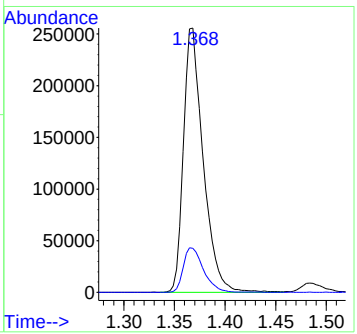


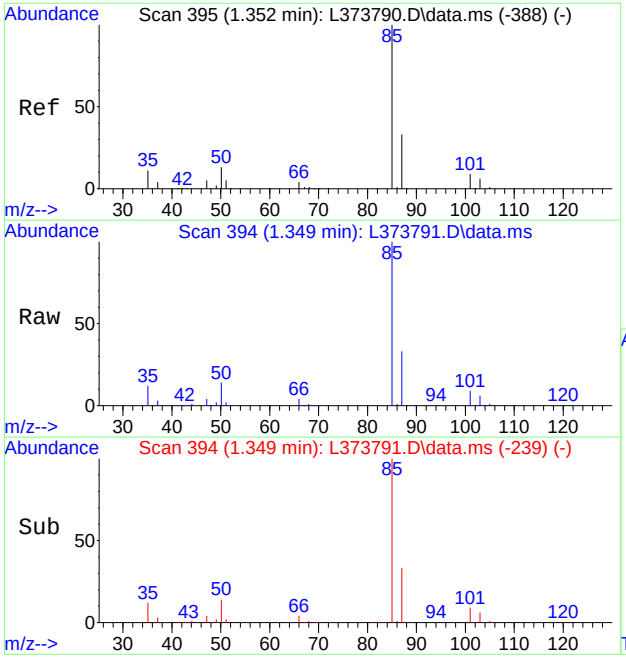


#6
chlorodifluoromethane
Concen: 90.53 ug/L
RT: 1.368 min Scan# 400
Delta R.T. -0.000 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 51 Resp: 348168

Ion	Ratio	Lower	Upper
51	100		
67	16.6	0.0	37.0

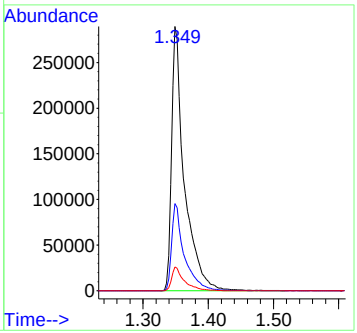


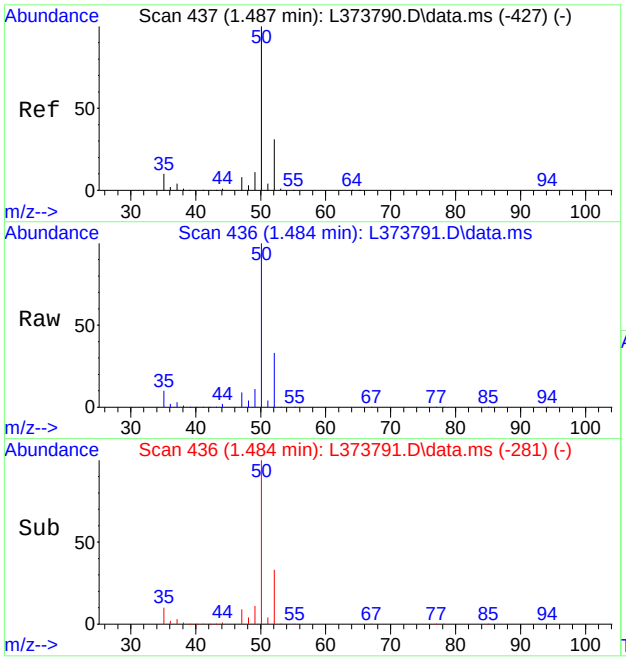


#7
dichlorodifluoromethane
Concen: 104.93 ug/L
RT: 1.349 min Scan# 394
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 85 Resp: 394430

Ion	Ratio	Lower	Upper
85	100		
87	33.0	2.8	62.8
101	9.0	0.0	38.9

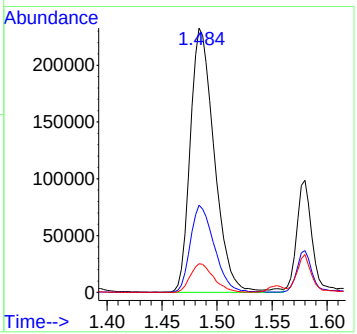


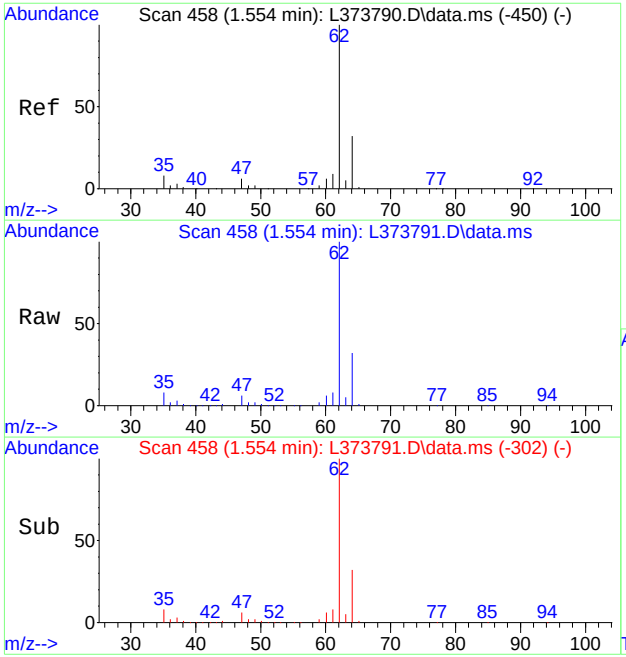


#8
chloromethane
Concen: 96.17 ug/L
RT: 1.484 min Scan# 436
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 50 Resp: 354110

Ion	Ratio	Lower	Upper
50	100		
52	33.0	1.5	61.5
49	10.8	0.0	41.1

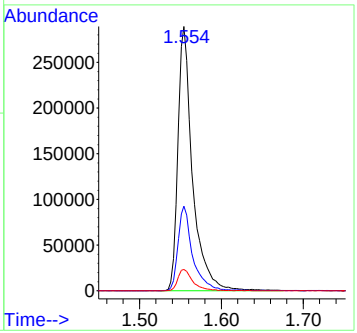


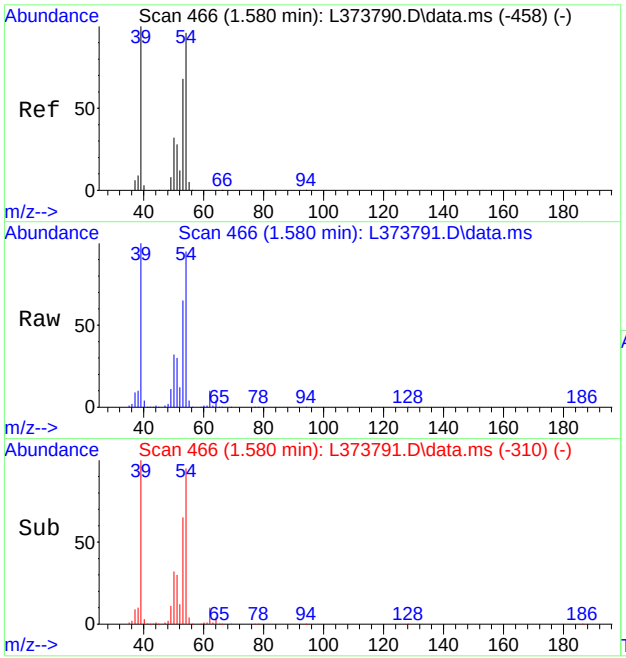


#9
vinyl chloride
Concen: 99.20 ug/L
RT: 1.554 min Scan# 458
Delta R.T. -0.000 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 62 Resp: 358596

Ion	Ratio	Lower	Upper
62	100		
64	32.0	2.2	62.2
61	8.1	0.0	38.5

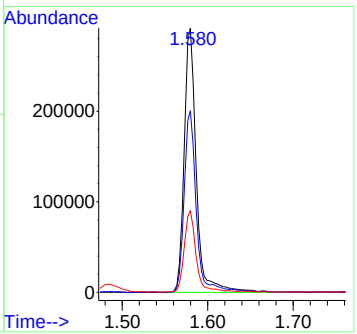


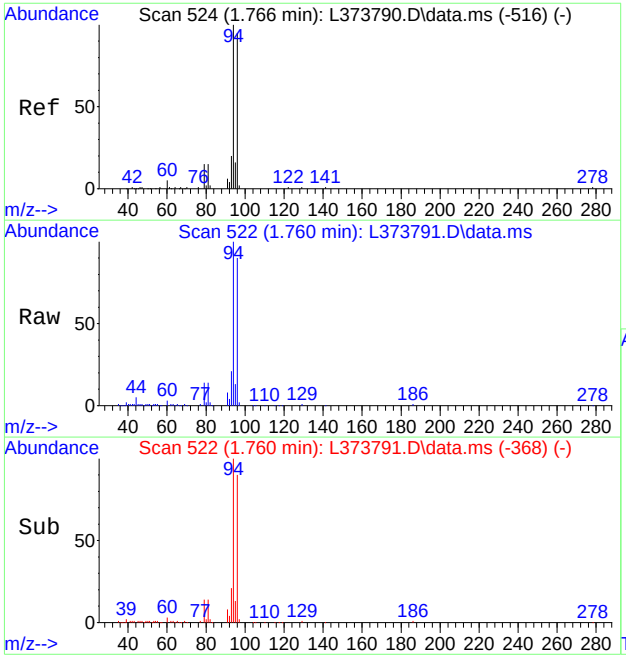


#10
1,3-butadiene
Concen: 82.72 ug/L
RT: 1.580 min Scan# 466
Delta R.T. -0.000 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 54 Resp: 288867

Ion	Ratio	Lower	Upper
54	100		
53	68.6	40.7	100.7
51	30.8	0.0	59.5

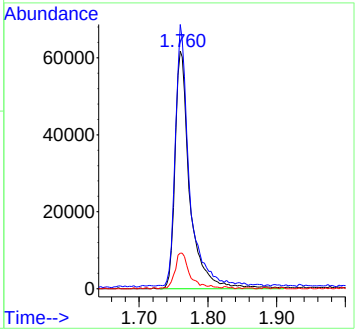


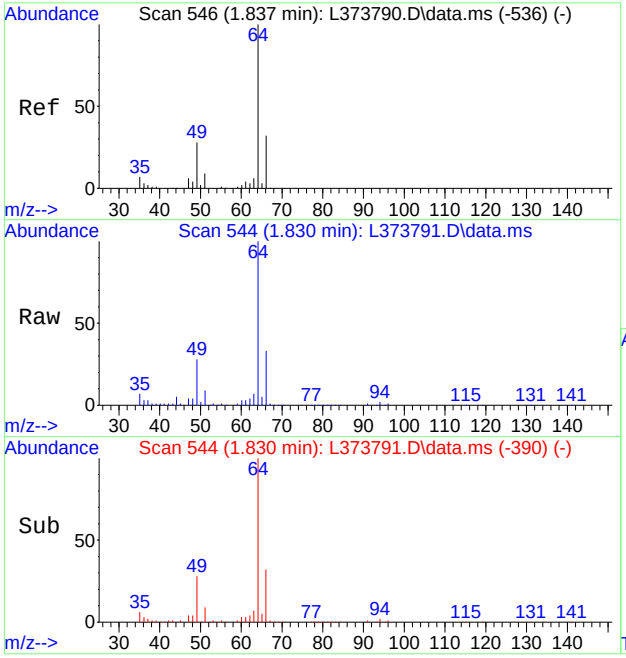


#11
bromomethane
Concen: 104.49 ug/L
RT: 1.760 min Scan# 522
Delta R.T. -0.006 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 96 Resp: 92976

Ion	Ratio	Lower	Upper
96	100		
94	109.9	76.7	136.7
95	14.7	0.0	46.3

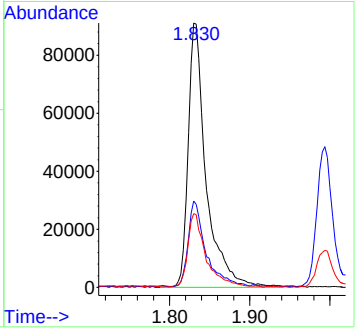


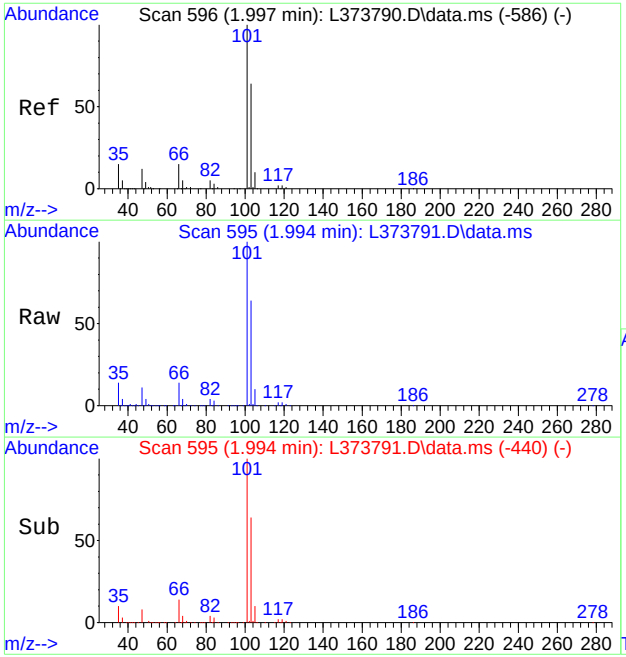


#12
chloroethane
Concen: 90.63 ug/L
RT: 1.830 min Scan# 544
Delta R.T. -0.006 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 64 Resp: 142419

Ion	Ratio	Lower	Upper
64	100		
66	32.2	1.8	61.8
49	27.7	0.0	57.7

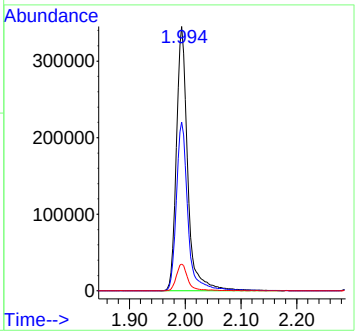


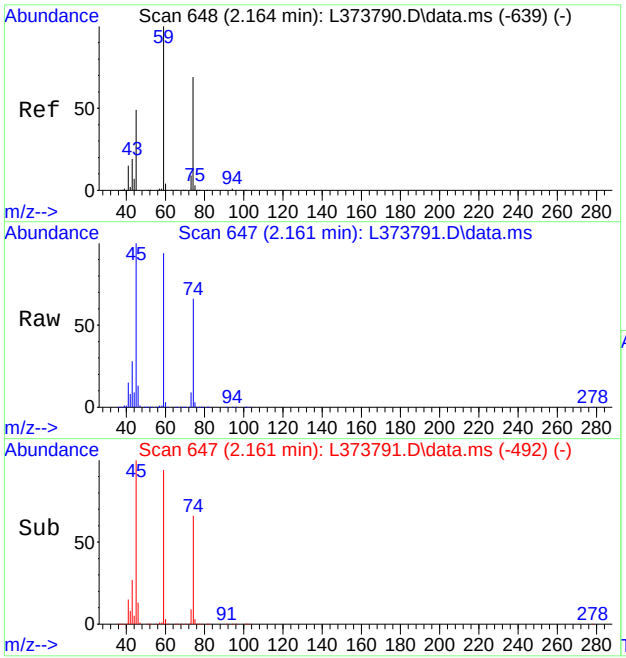


#13
trichlorofluoromethane
Concen: 108.23 ug/L
RT: 1.994 min Scan# 595
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion:101 Resp: 486908

Ion	Ratio	Lower	Upper
101	100		
103	63.8	33.8	93.8
105	10.1	0.0	40.0

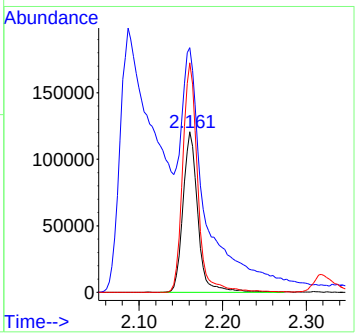


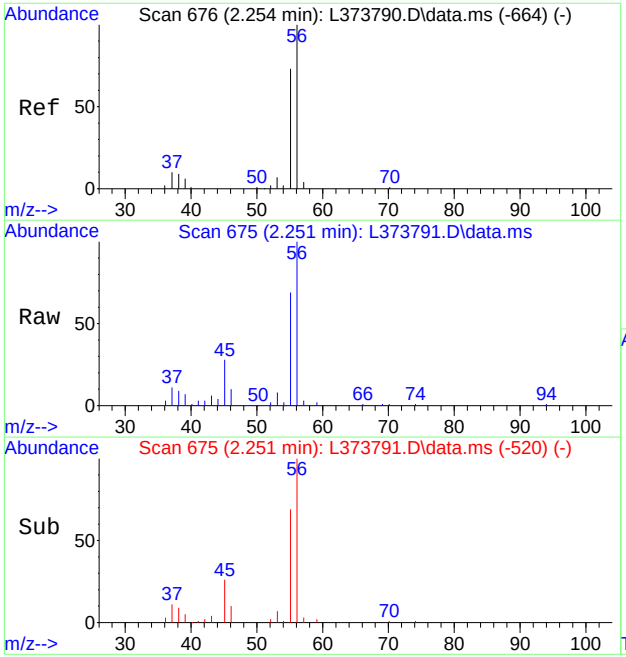


#14
ethyl ether
Concen: 97.41 ug/L
RT: 2.161 min Scan# 647
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 74 Resp: 149505

Ion	Ratio	Lower	Upper
74	100		
45	144.7	102.0	162.0
59	142.9	114.2	174.2

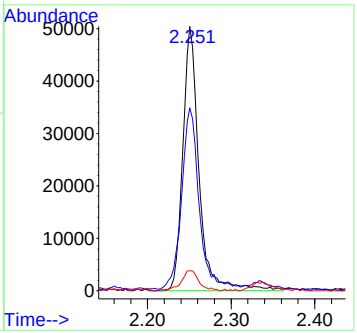


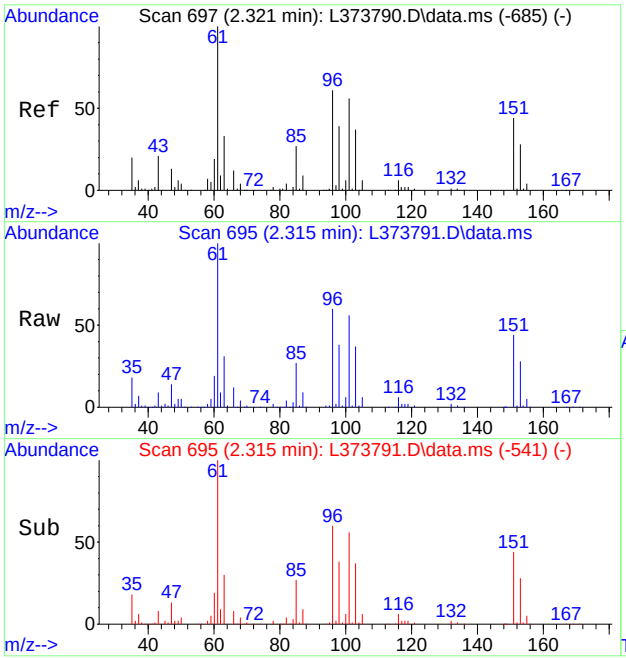


#15
acrolein
Concen: 106.63 ug/L
RT: 2.251 min Scan# 675
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 56 Resp: 68252

Ion	Ratio	Lower	Upper
56	100		
55	68.4	42.9	102.9
53	7.1	0.0	38.0

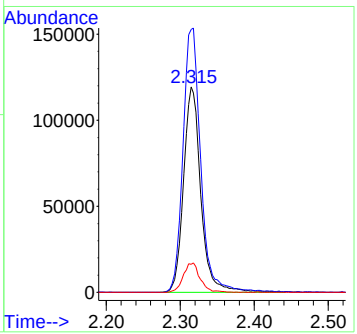


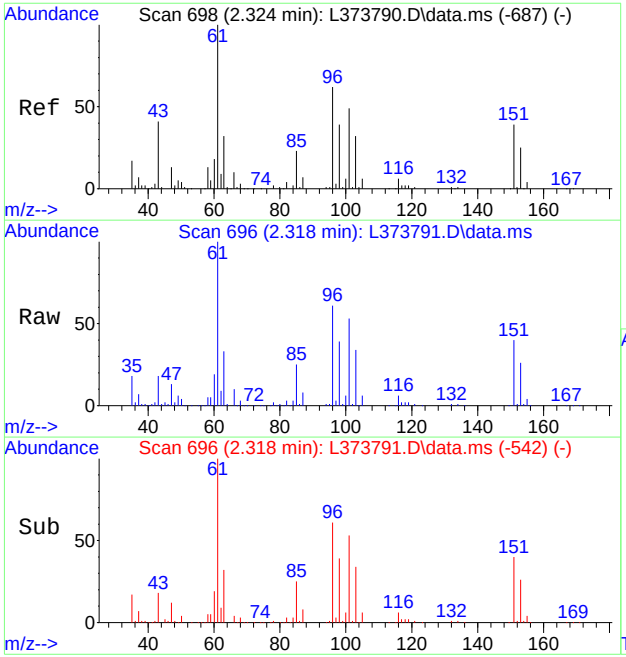


#16
freon 113
Concen: 101.21 ug/L
RT: 2.315 min Scan# 695
Delta R.T. -0.006 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion:151 Resp: 194426

Ion	Ratio	Lower	Upper
151	100		
101	128.0	107.4	147.4
116	13.7	0.0	33.9

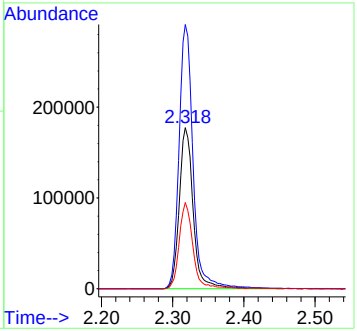


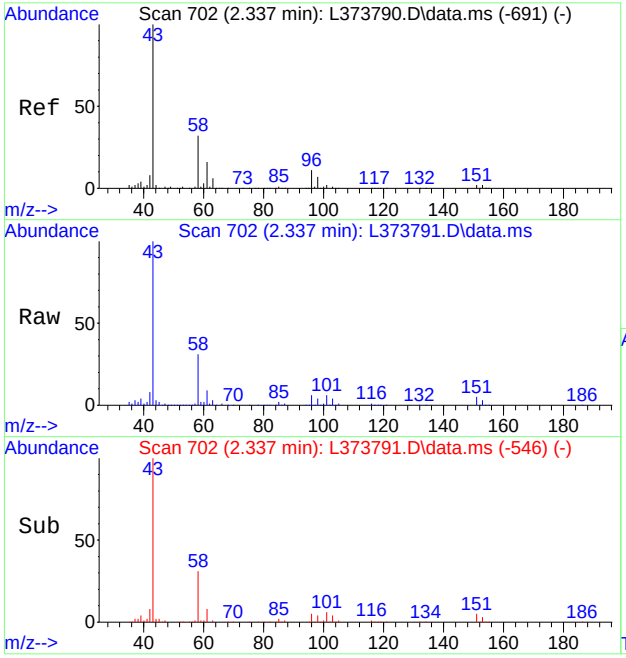


#17
1,1-dichloroethene
Concen: 100.55 ug/L
RT: 2.318 min Scan# 696
Delta R.T. -0.006 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 96 Resp: 242234

Ion	Ratio	Lower	Upper
96	100		
61	164.0	131.4	191.4
63	53.6	22.3	82.3

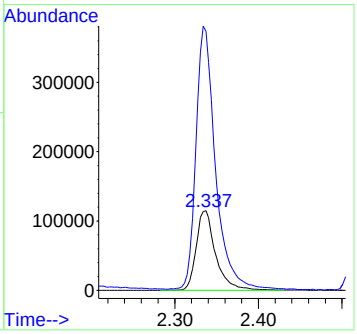


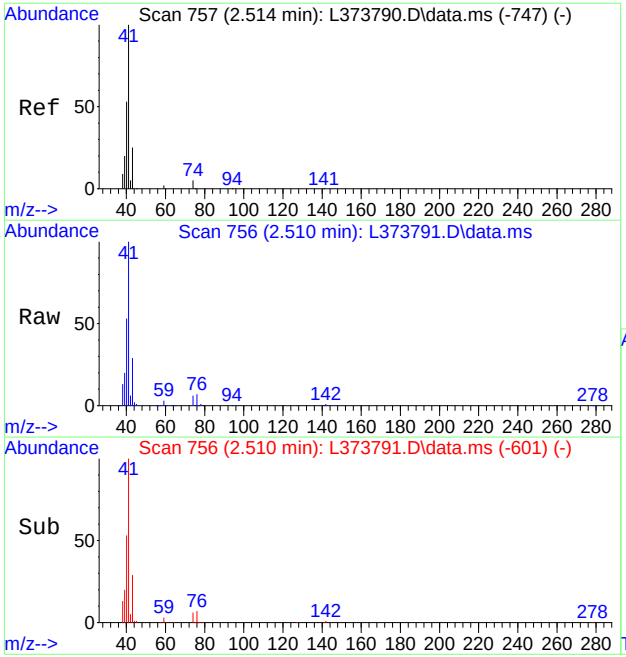


#18
acetone
Concen: 392.36 ug/L
RT: 2.337 min Scan# 702
Delta R.T. -0.000 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 58 Resp: 186690

Ion	Ratio	Lower	Upper
58	100		
43	323.3	286.5	346.5

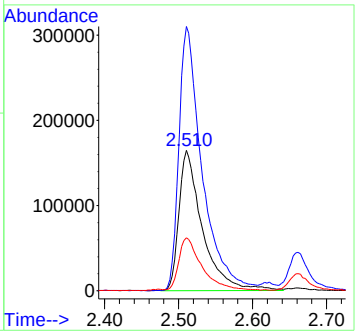


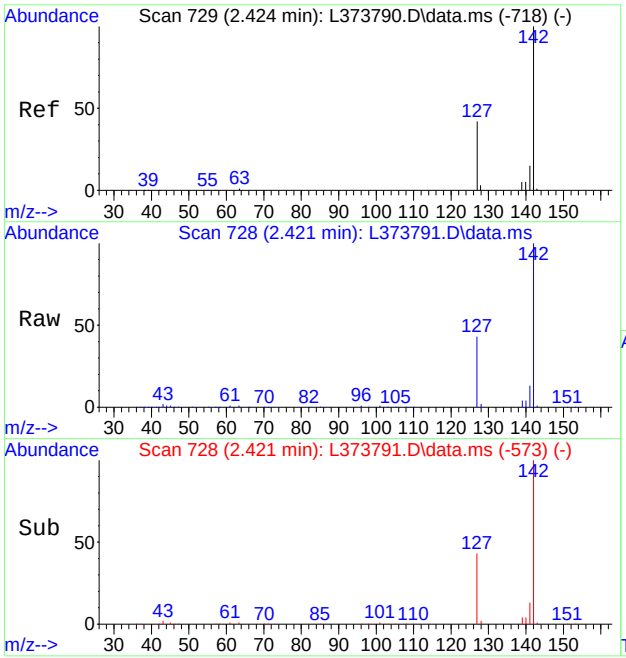


#19
acetonitrile
Concen: 1007.97 ug/L
RT: 2.510 min Scan# 756
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 40 Resp: 363215

Ion	Ratio	Lower	Upper
40	100		
41	188.3	158.5	218.5
39	36.6	8.2	68.2

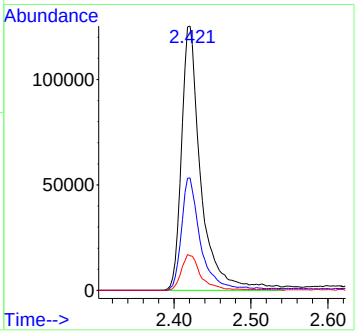


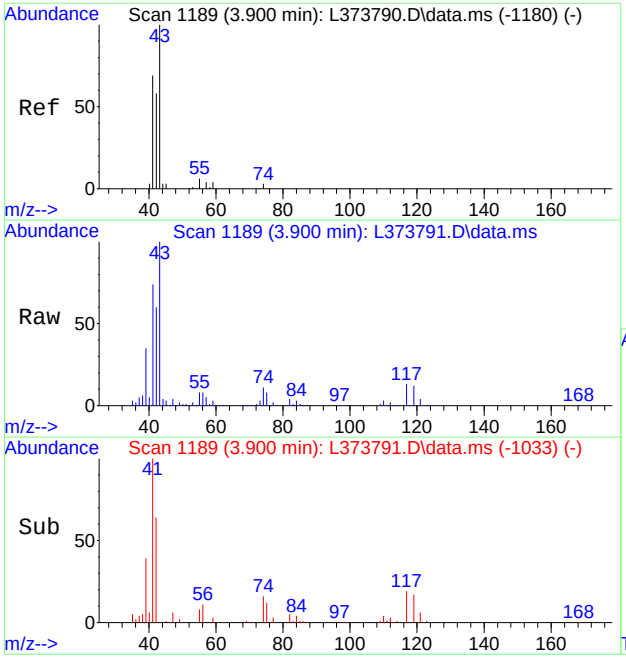


#20
iodomethane
Concen: 160.04 ug/L
RT: 2.421 min Scan# 728
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion:142 Resp: 220183

Ion	Ratio	Lower	Upper
142	100		
127	42.5	12.2	72.2
141	13.1	0.0	44.6

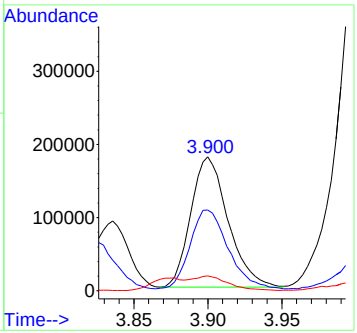


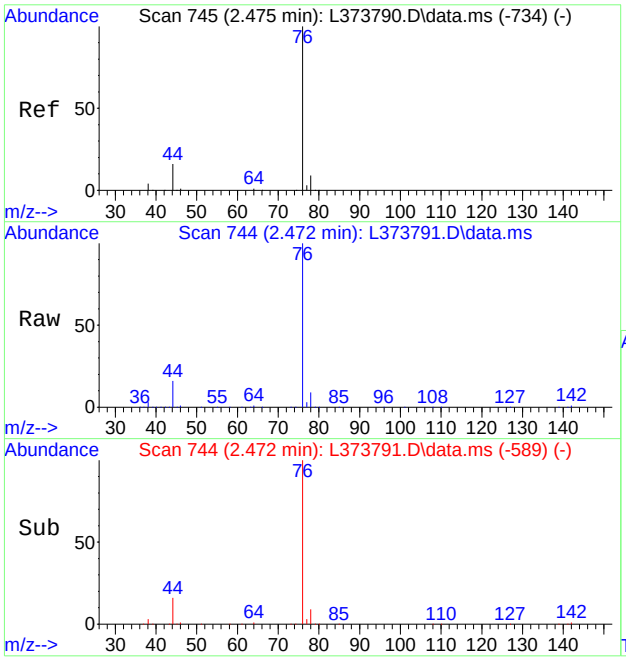


#21
iso-butyl alcohol
Concen: 959.15 ug/L
RT: 3.900 min Scan# 1189
Delta R.T. -0.000 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 43 Resp: 312365

Ion	Ratio	Lower	Upper
43	100		
42	60.4	28.3	88.3
74	11.1	0.0	40.9

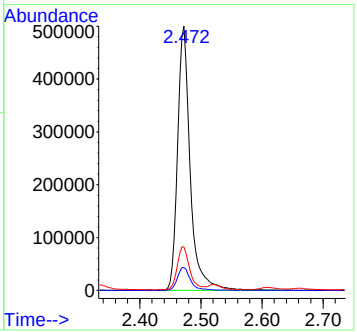


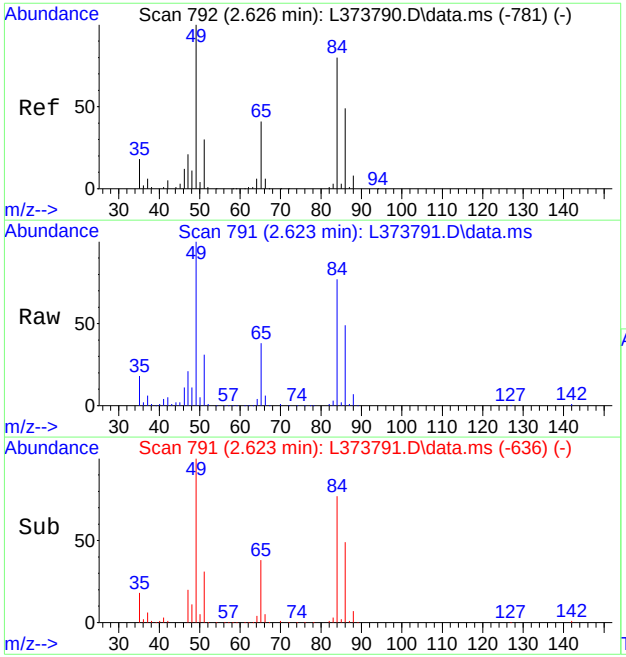


#22
carbon disulfide
Concen: 93.45 ug/L
RT: 2.472 min Scan# 744
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 76 Resp: 719139

Ion	Ratio	Lower	Upper
76	100		
78	8.6	0.0	38.9
44	16.0	0.0	46.1

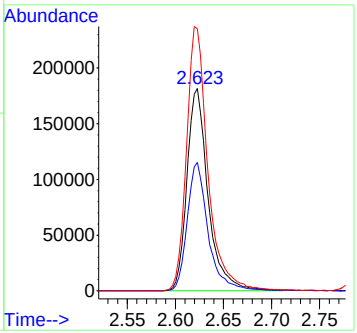


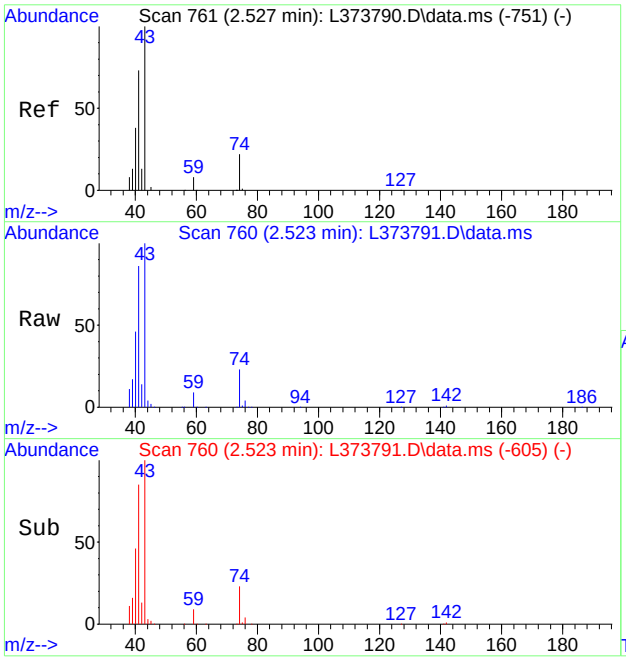


#23
methylene chloride
Concen: 92.15 ug/L
RT: 2.623 min Scan# 791
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 84 Resp: 279105

Ion	Ratio	Lower	Upper
84	100		
86	63.4	31.2	91.2
49	129.4	95.6	155.6

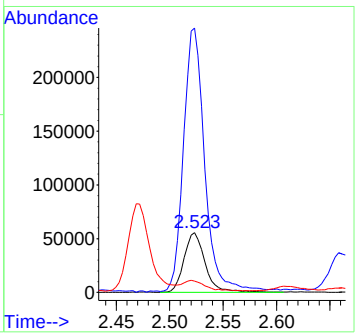


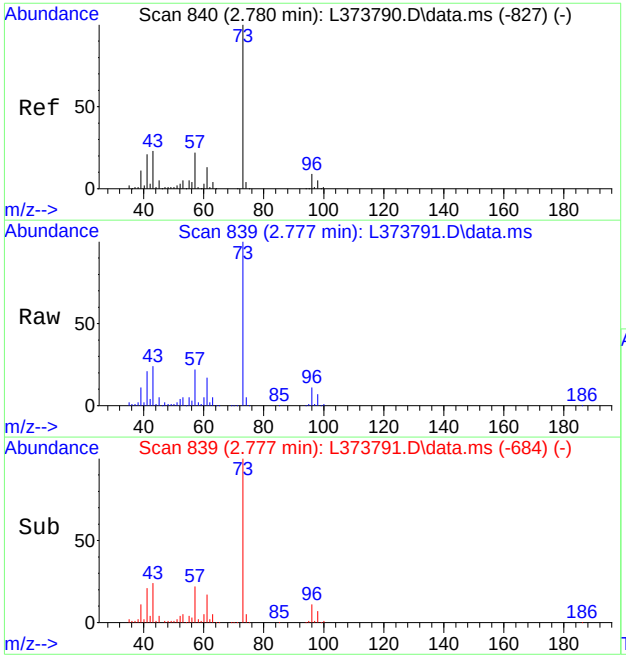


#24
methyl acetate
Concen: 103.28 ug/L
RT: 2.523 min Scan# 760
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 74 Resp: 76680

Ion	Ratio	Lower	Upper
74	100		
43	440.5	417.7	477.7
44	8.5	0.0	39.0

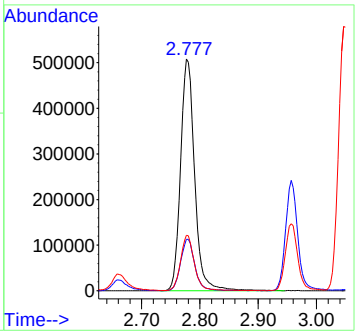


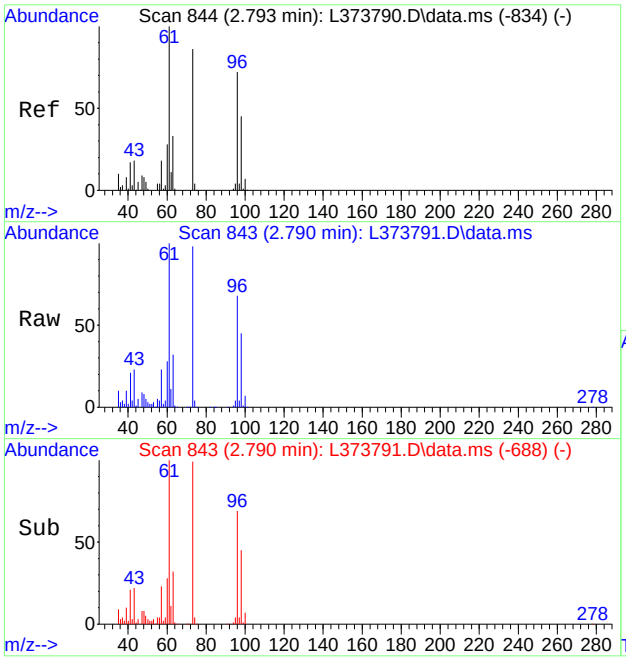


#25
methyl tert butyl ether
Concen: 109.46 ug/L
RT: 2.777 min Scan# 839
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 73 Resp: 855488

Ion	Ratio	Lower	Upper
73	100		
57	22.2	0.0	52.4
43	23.8	0.0	52.7

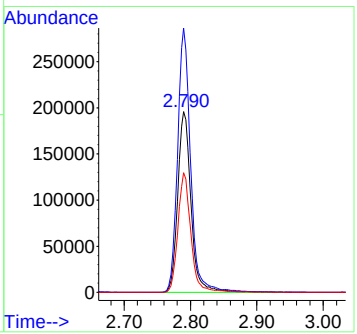


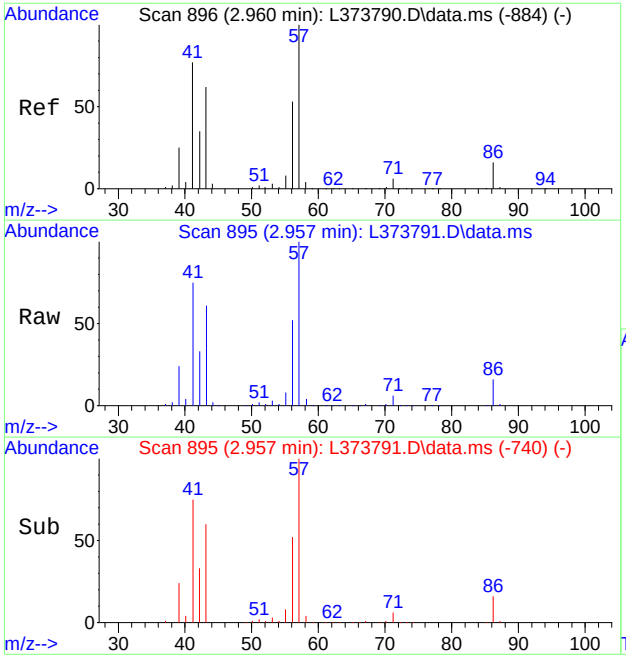


#26
trans-1,2-dichloroethene
Concen: 100.26 ug/L
RT: 2.790 min Scan# 843
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 96 Resp: 274637

Ion	Ratio	Lower	Upper
96	100		
61	146.2	109.1	169.1
98	66.2	32.0	92.0

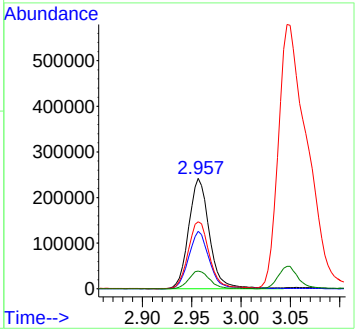


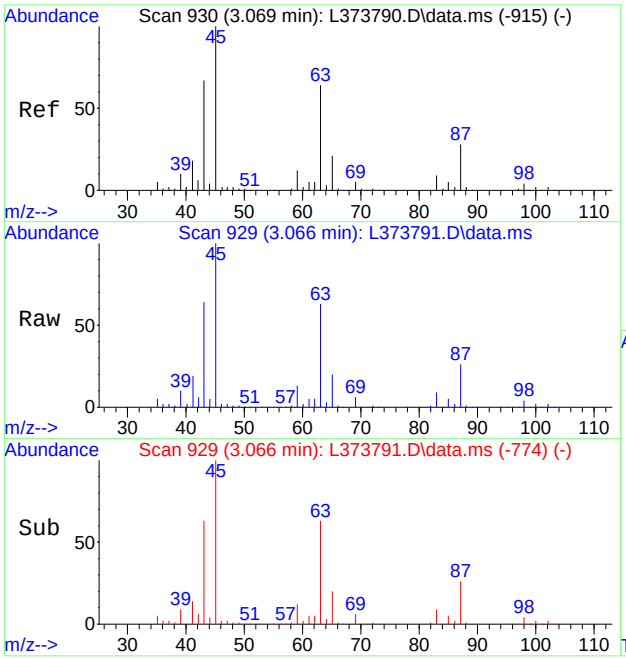


#27
hexane
Concen: 106.45 ug/L
RT: 2.957 min Scan# 895
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 57 Resp: 353117

Ion	Ratio	Lower	Upper
57	100		
56	52.0	32.9	72.9
43	60.5	41.9	81.9
86	16.1	0.0	36.3

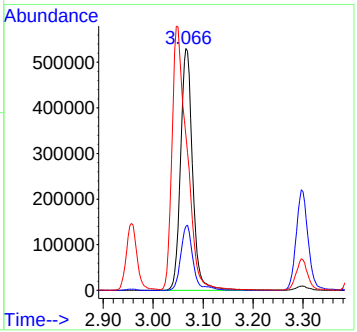


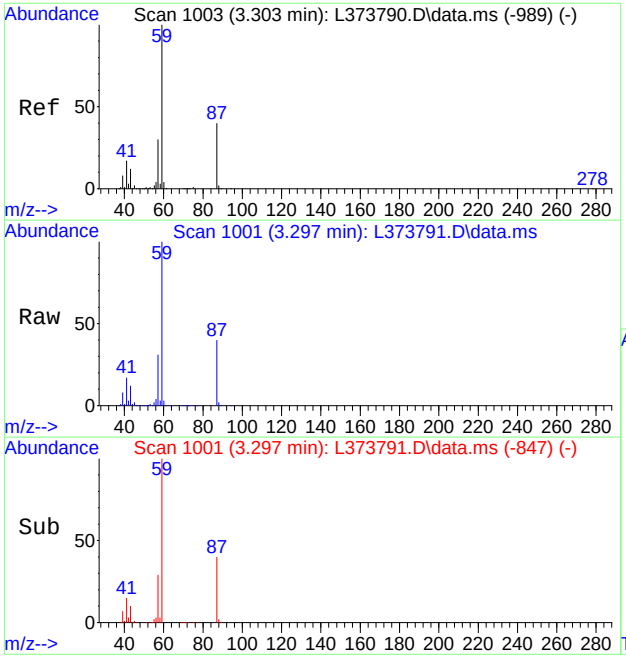


#28
di-isopropyl ether
Concen: 108.60 ug/L
RT: 3.066 min Scan# 929
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 45 Resp: 889238

Ion	Ratio	Lower	Upper
45	100		
87	26.4	0.0	57.5
43	64.0	37.5	97.5

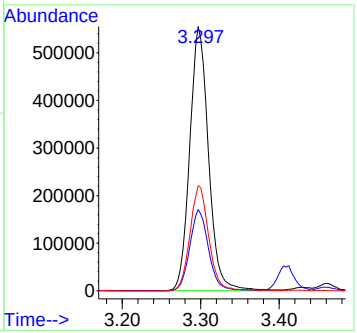


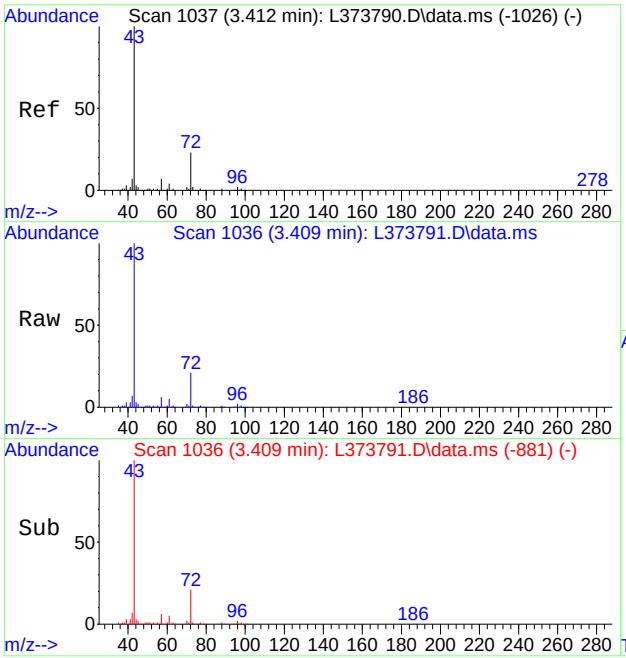


#29
ethyl tert-butyl ether
Concen: 110.28 ug/L
RT: 3.297 min Scan# 1001
Delta R.T. -0.006 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 59 Resp: 924007

Ion	Ratio	Lower	Upper
59	100		
57	30.8	0.3	60.3
87	39.7	9.6	69.6

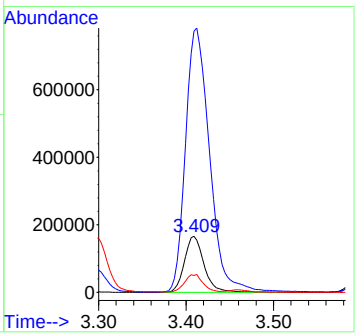


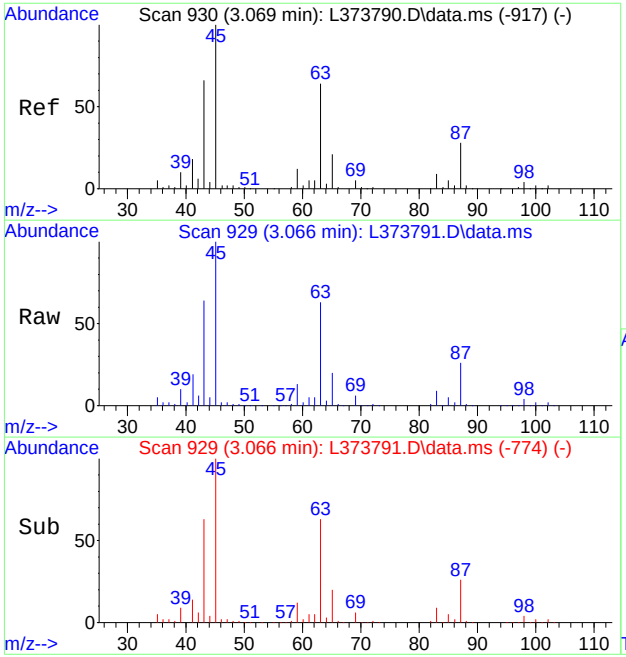


#30
2-butanone
Concen: 448.45 ug/L
RT: 3.409 min Scan# 1036
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 72 Resp: 260383

Ion	Ratio	Lower	Upper
72	100		
43	465.8	411.9	471.9
57	29.7	2.4	62.4

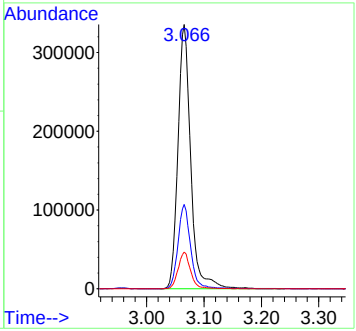


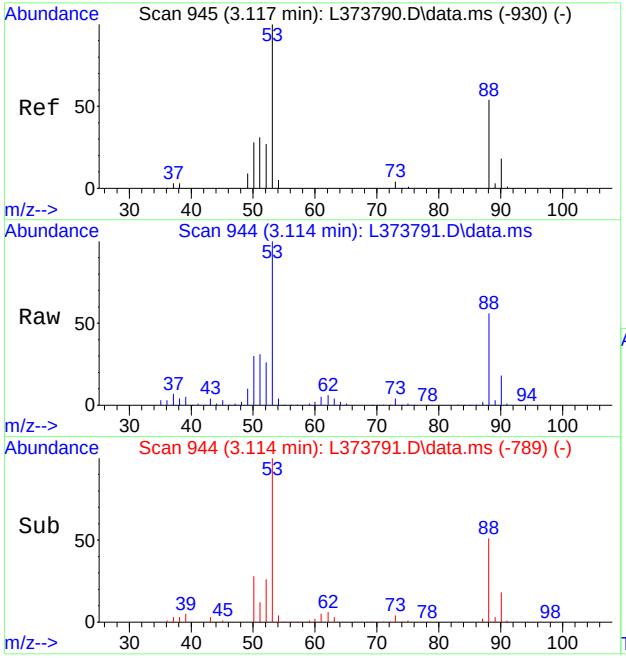


#31
1,1-dichloroethane
Concen: 100.68 ug/L
RT: 3.066 min Scan# 929
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 63 Resp: 520476

Ion	Ratio	Lower	Upper
63	100		
65	31.9	2.5	62.5
83	13.9	0.0	43.5

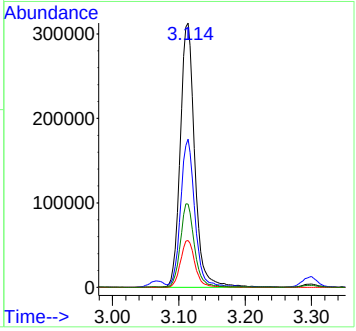


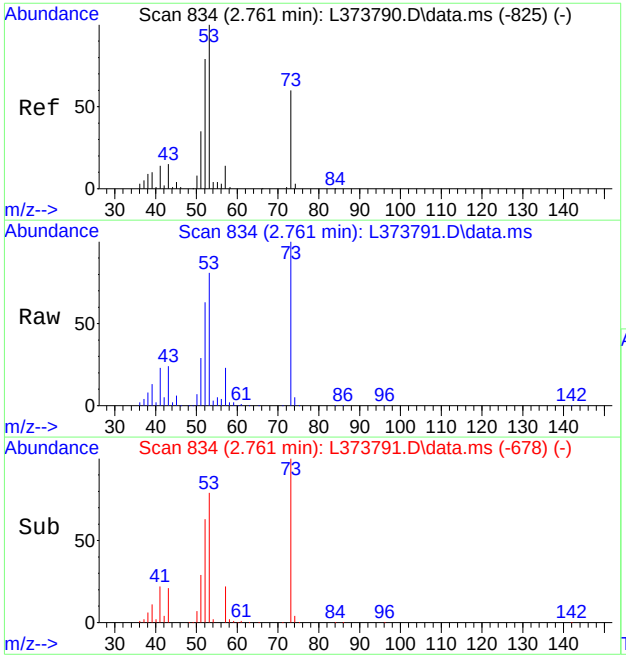


#32
chloroprene
Concen: 109.70 ug/L
RT: 3.114 min Scan# 944
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 53 Resp: 476005

Ion	Ratio	Lower	Upper
53	100		
88	56.1	26.2	86.2
90	17.7	0.0	47.9
51	31.5	0.9	60.9

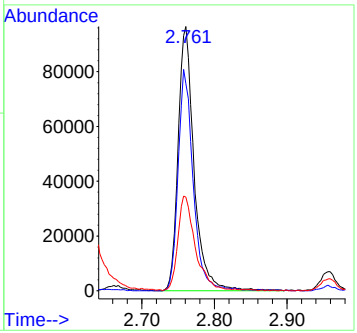


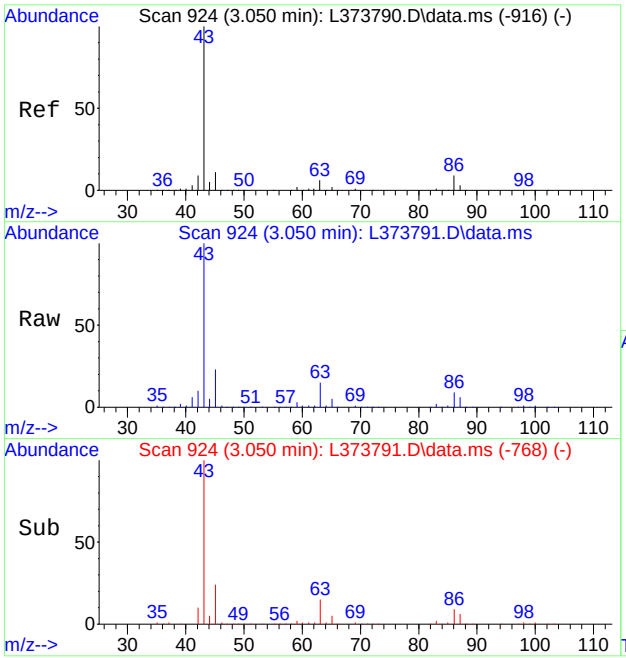


#33
acrylonitrile
Concen: 104.67 ug/L
RT: 2.761 min Scan# 834
Delta R.T. -0.000 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 53 Resp: 147682

Ion	Ratio	Lower	Upper
53	100		
52	78.3	48.8	108.8
51	35.4	4.6	64.6

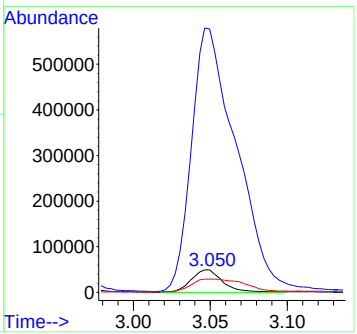


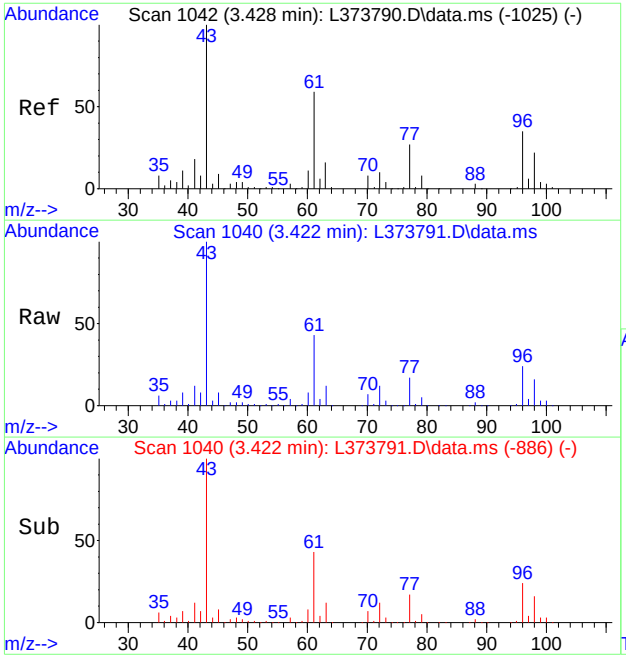


#34
vinyl acetate
Concen: 106.16 ug/L
RT: 3.050 min Scan# 924
Delta R.T. -0.000 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 86 Resp: 70853

Ion	Ratio	Lower	Upper
86	100		
43	1174.0	1076.3	1136.3#
44	56.8	23.6	83.6

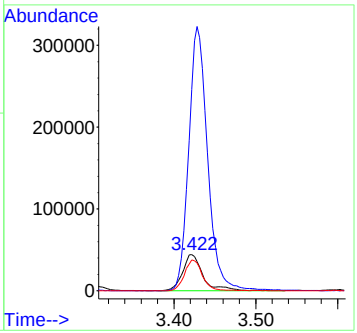


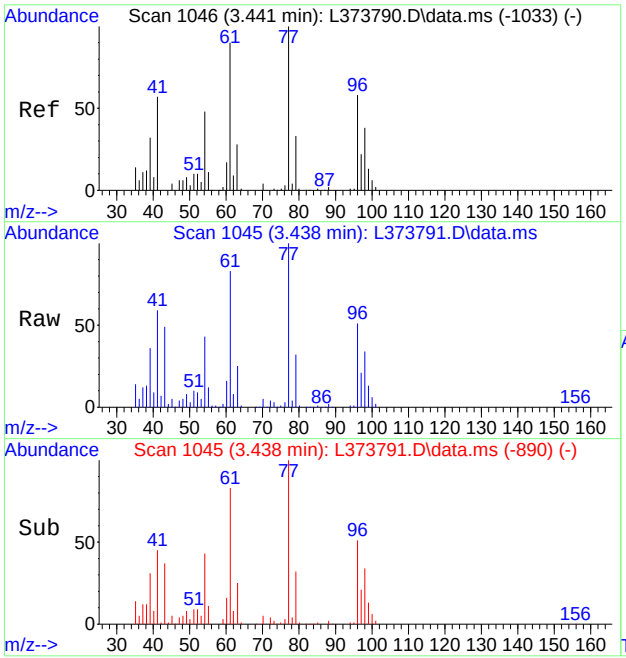


#35
ethyl acetate
Concen: 106.91 ug/L
RT: 3.422 min Scan# 1040
Delta R.T. -0.006 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 45 Resp: 77406

Ion	Ratio	Lower	Upper
45	100		
61	556.5	598.6	658.6#
70	85.2	53.6	113.6

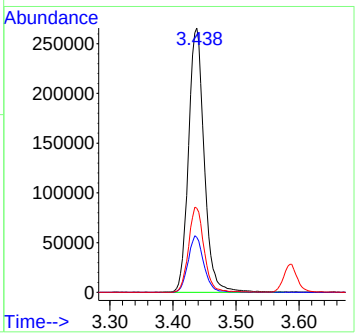


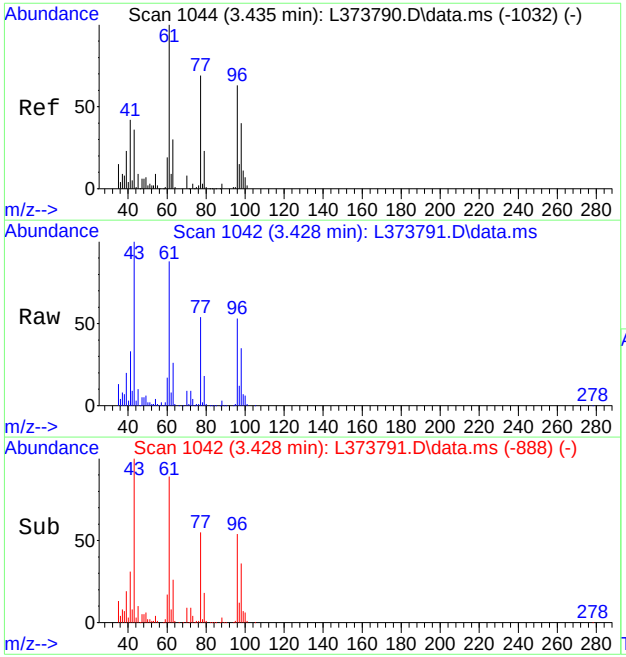


#36
2,2-dichloropropane
Concen: 98.57 ug/L
RT: 3.438 min Scan# 1045
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 77 Resp: 460858

Ion	Ratio	Lower	Upper
77	100		
97	20.8	0.0	52.3
79	31.7	3.0	63.0

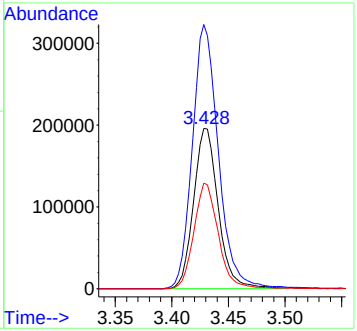


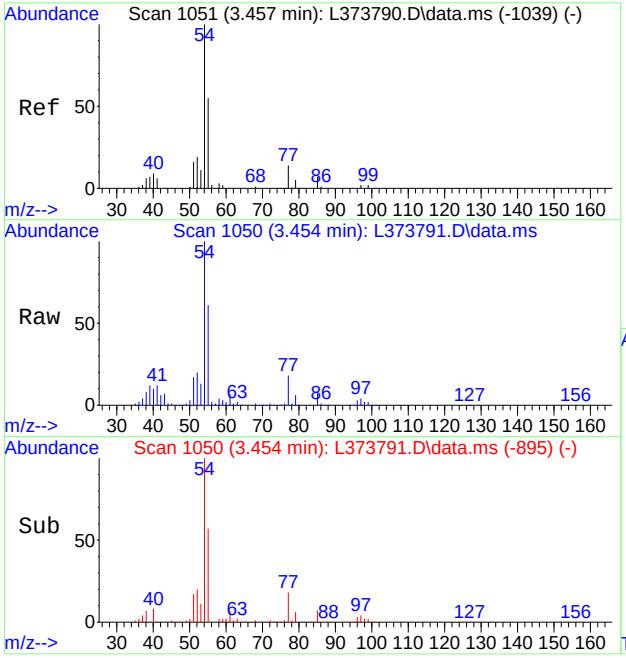


#37
cis-1,2-dichloroethene
Concen: 98.18 ug/L
RT: 3.428 min Scan# 1042
Delta R.T. -0.006 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 96 Resp: 297142

Ion	Ratio	Lower	Upper
96	100		
61	164.8	128.7	188.7
98	65.8	34.1	94.1

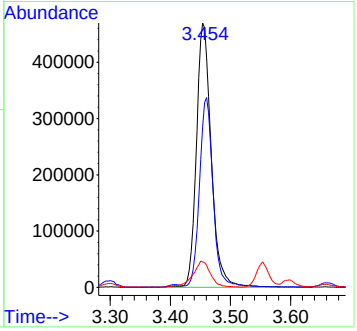


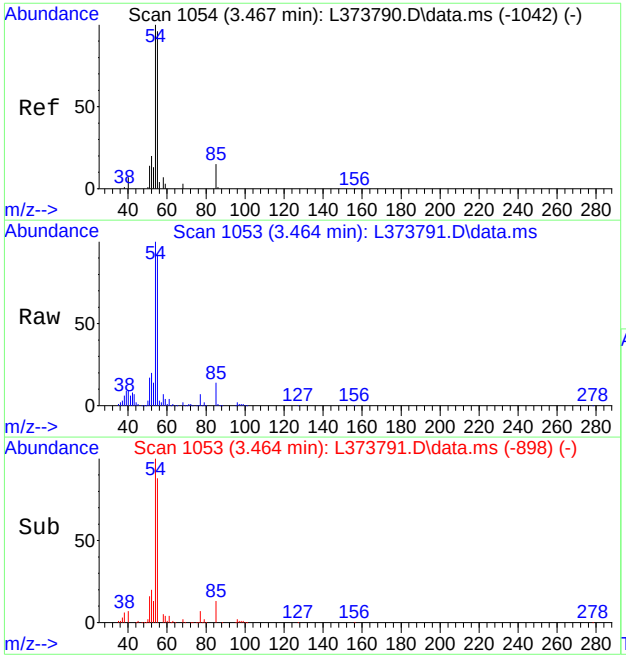


#38
propionitrile
Concen: 986.23 ug/L
RT: 3.454 min Scan# 1050
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 54 Resp: 804759

Ion	Ratio	Lower	Upper
54	100		
55	60.8	25.4	85.4
40	9.5	0.0	39.0

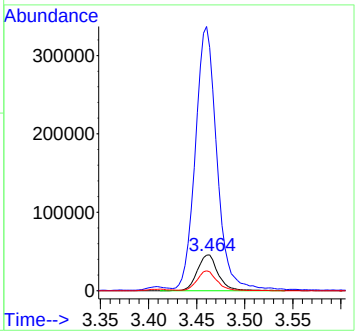


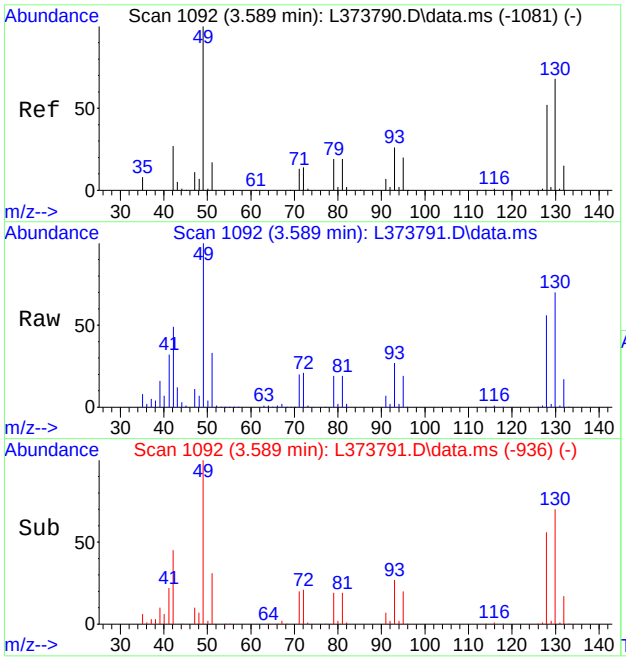


#39
methyl acrylate
Concen: 114.23 ug/L
RT: 3.464 min Scan# 1053
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 85 Resp: 69748

Ion	Ratio	Lower	Upper
85	100		
55	673.0	639.4	679.4
58	52.5	29.8	69.8

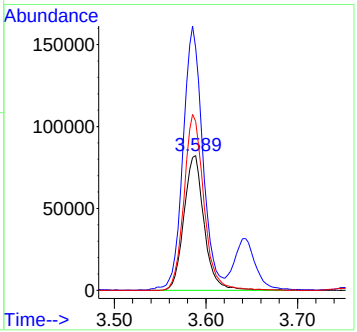


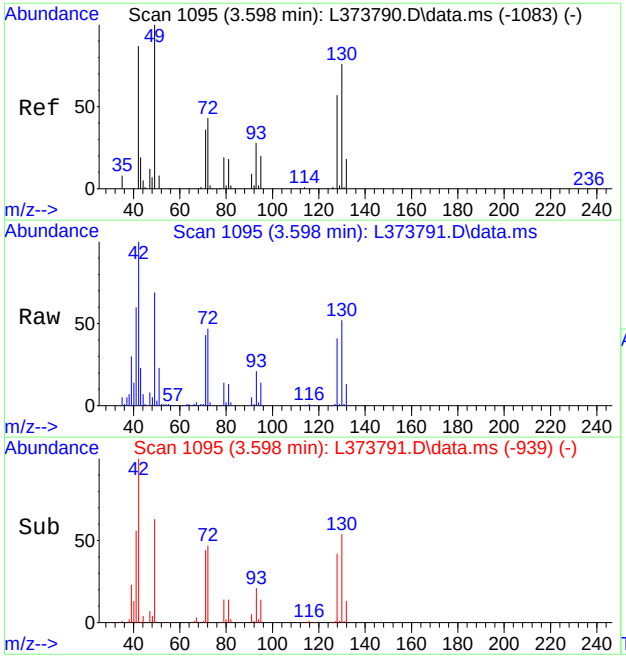


#40
bromochloromethane
Concen: 93.36 ug/L
RT: 3.589 min Scan# 1092
Delta R.T. -0.000 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion:128 Resp: 126036

Ion	Ratio	Lower	Upper
128	100		
49	178.7	163.3	223.3
130	125.4	100.3	160.3

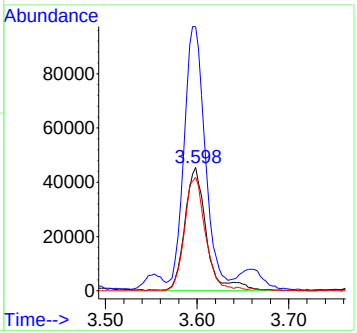


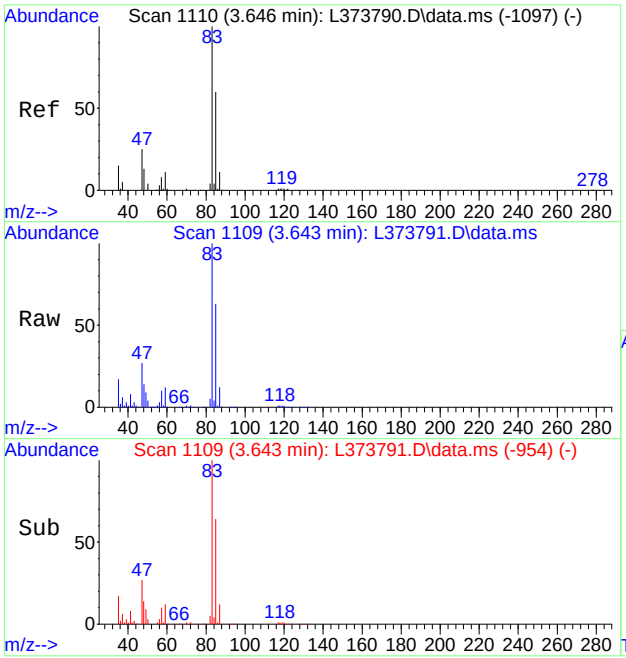


#41
tetrahydrofuran
Concen: 101.25 ug/L
RT: 3.598 min Scan# 1095
Delta R.T. -0.000 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 72 Resp: 74887

Ion	Ratio	Lower	Upper
72	100		
42	212.1	183.3	243.3
71	92.1	53.5	113.5

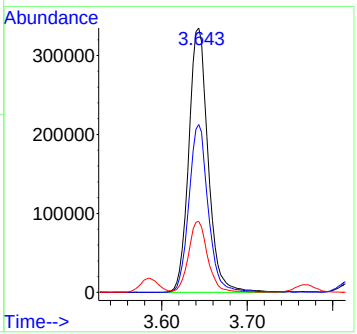


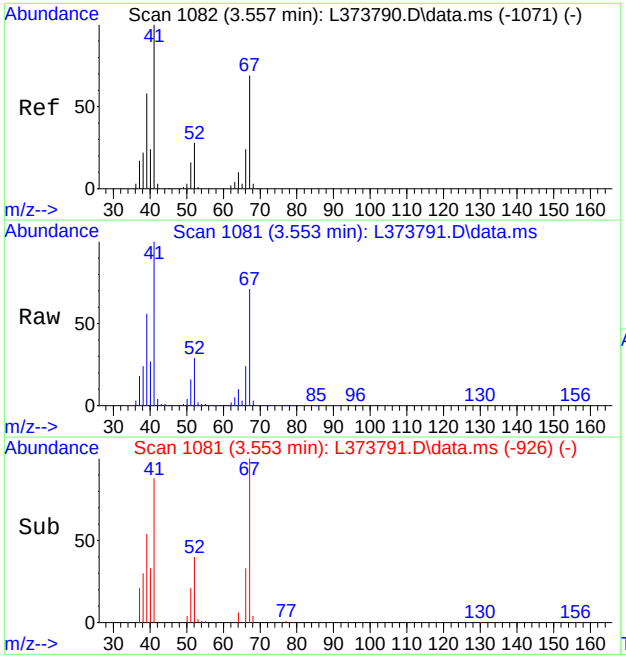


#42
chloroform
Concen: 89.37 ug/L
RT: 3.643 min Scan# 1109
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 83 Resp: 527171

Ion	Ratio	Lower	Upper
83	100		
85	63.5	29.7	89.7
47	26.6	0.0	54.6

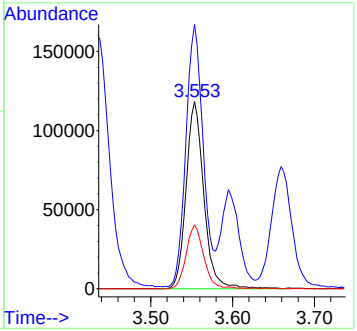


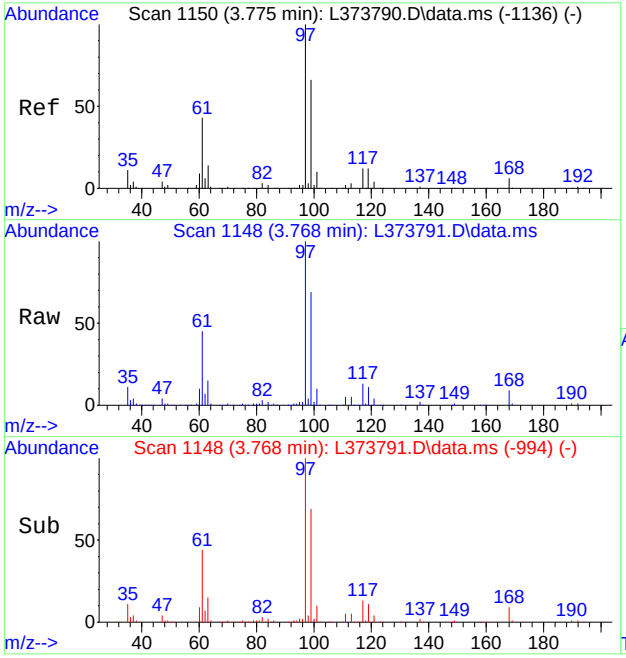


#44
methacrylonitrile
Concen: 104.69 ug/L
RT: 3.553 min Scan# 1081
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 67 Resp: 178731

Ion	Ratio	Lower	Upper
67	100		
41	140.1	115.3	175.3
66	34.1	4.3	64.3

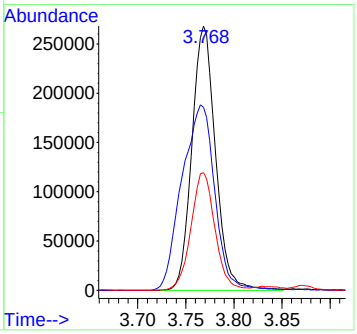


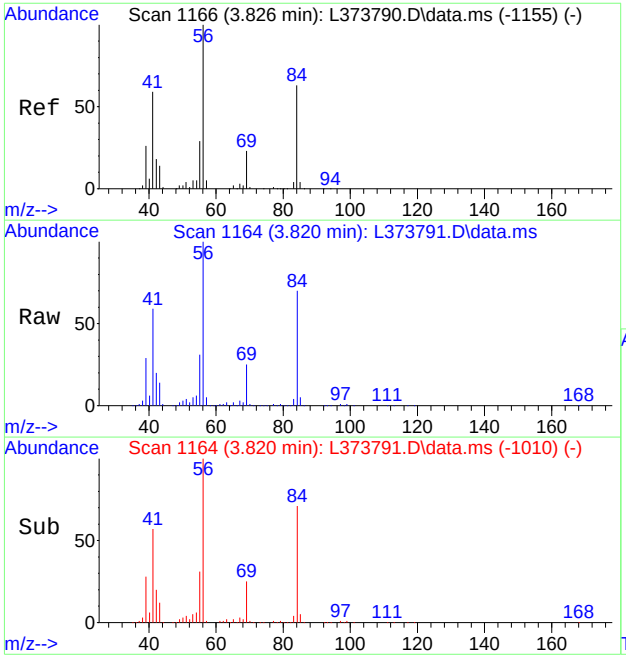


#45
1,1,1-trichloroethane
Concen: 101.55 ug/L
RT: 3.768 min Scan# 1148
Delta R.T. -0.006 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 97 Resp: 459884

Ion	Ratio	Lower	Upper
97	100		
99	68.8	41.0	101.0
61	44.5	12.9	72.9

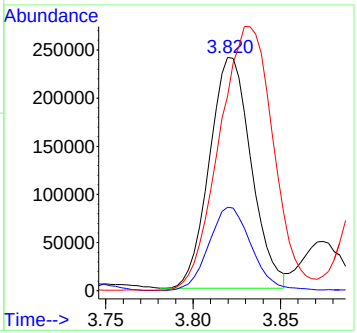


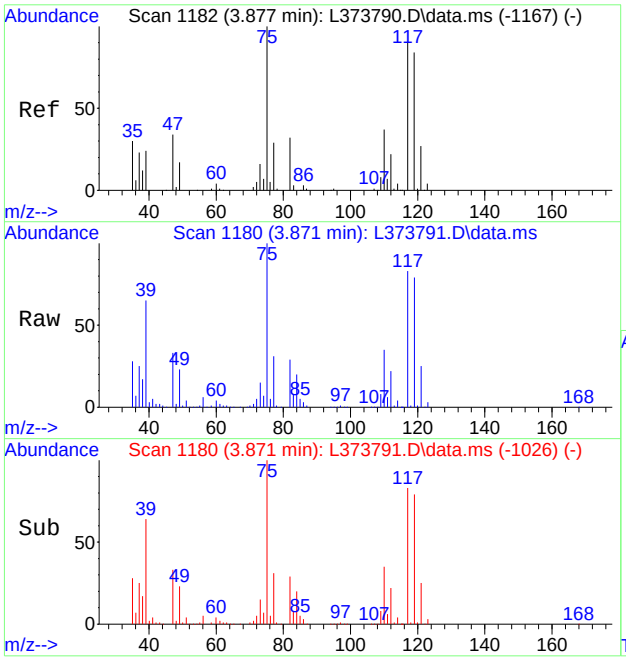


#46
cyclohexane
Concen: 107.49 ug/L
RT: 3.820 min Scan# 1164
Delta R.T. -0.006 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 84 Resp: 398777

Ion	Ratio	Lower	Upper
84	100		
69	35.9	16.2	56.2
41	84.1	73.6	113.6

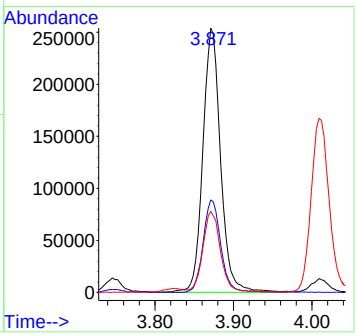


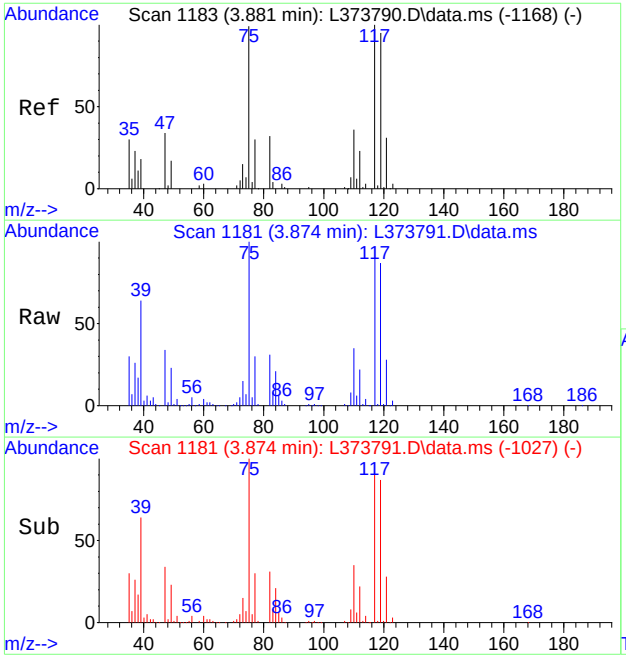


#47
1,1-dichloropropene
Concen: 111.00 ug/L
RT: 3.871 min Scan# 1180
Delta R.T. -0.006 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 75 Resp: 399542

Ion	Ratio	Lower	Upper
75	100		
110	35.0	17.0	57.0
77	30.5	10.2	50.2

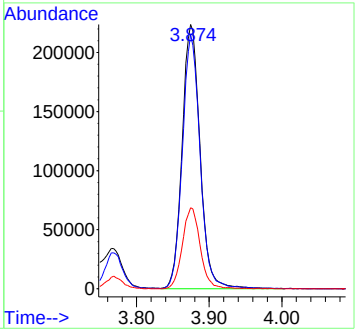


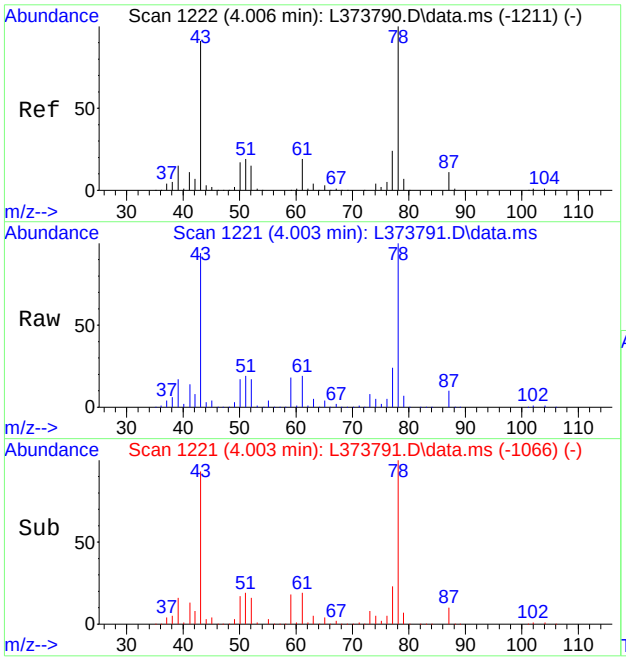


#48
carbon tetrachloride
Concen: 105.75 ug/L
RT: 3.874 min Scan# 1181
Delta R.T. -0.006 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion:117 Resp: 385611

Ion	Ratio	Lower	Upper
117	100		
119	96.2	74.4	114.4
121	30.7	10.8	50.8

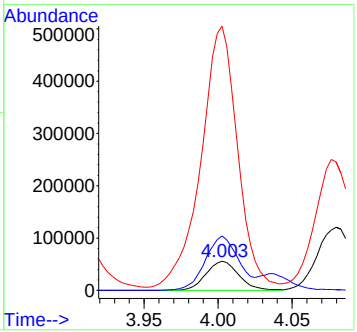


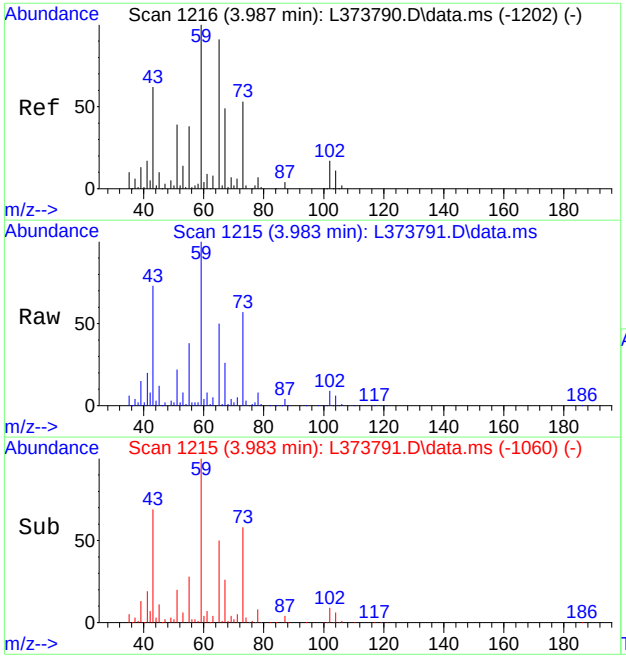


#49
isopropyl acetate
Concen: 106.82 ug/L
RT: 4.003 min Scan# 1221
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 87 Resp: 86081

Ion	Ratio	Lower	Upper
87	100		
61	184.7	152.1	192.1
43	878.1	844.1	904.1

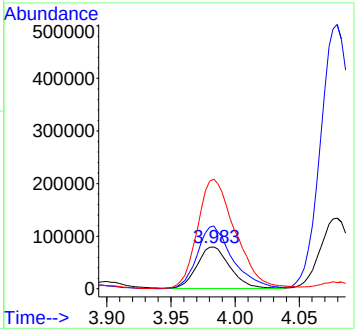


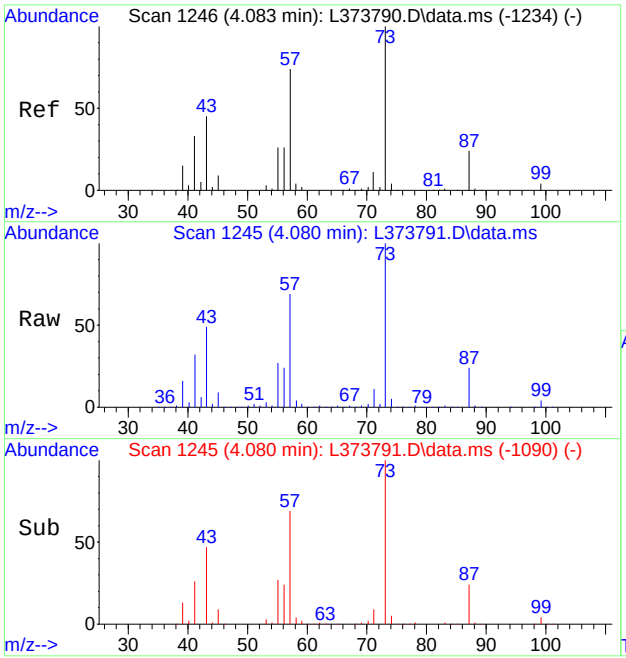


#50
tert amyl alcohol
Concen: 426.21 ug/L
RT: 3.983 min Scan# 1215
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 55 Resp: 142477

Ion	Ratio	Lower	Upper
55	100		
73	151.3	119.2	159.2
59	265.2	242.0	282.0

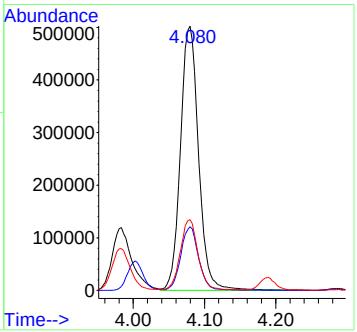


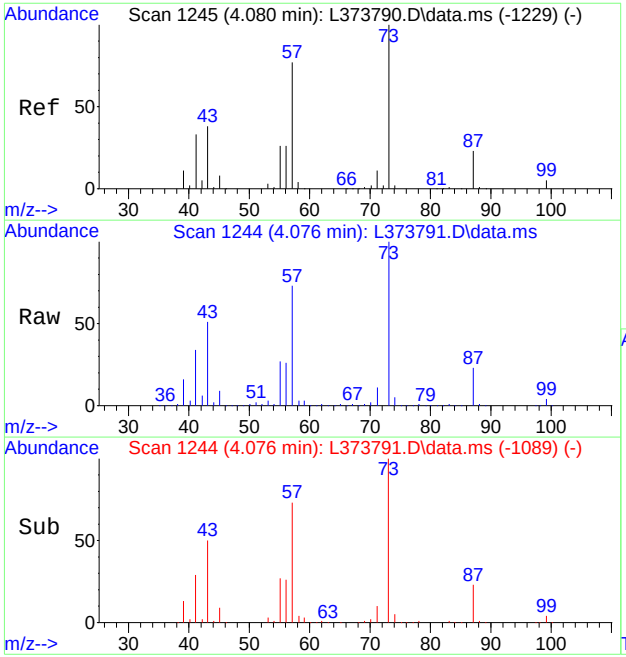


#53
tert-amyl methyl ether
Concen: 102.73 ug/L
RT: 4.080 min Scan# 1245
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 73 Resp: 887829

Ion	Ratio	Lower	Upper
73	100		
87	24.1	4.6	44.6
55	26.4	5.7	45.7

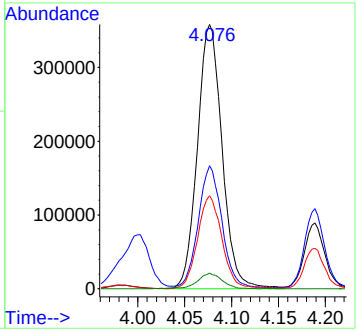


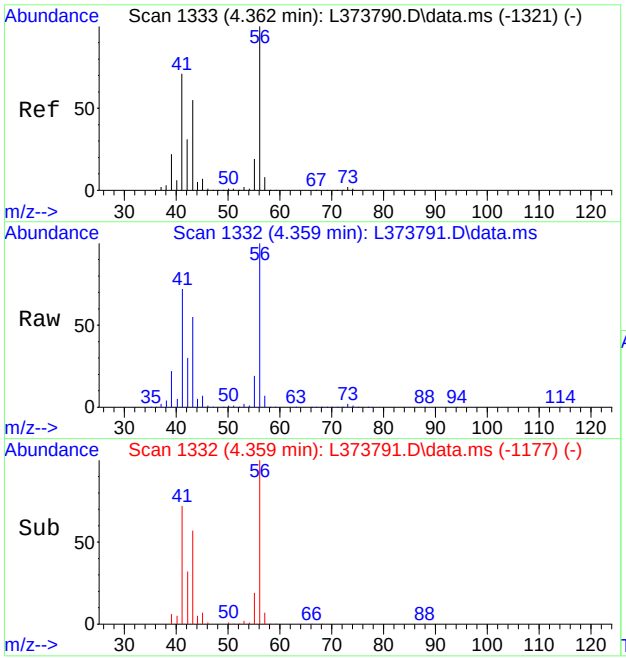


#54
2,2,4-trimethylpentane
Concen: 102.10 ug/L
RT: 4.076 min Scan# 1244
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 57 Resp: 655728

Ion	Ratio	Lower	Upper
57	100		
41	46.1	25.1	65.1
56	35.2	13.8	53.8
99	6.0	0.0	25.9

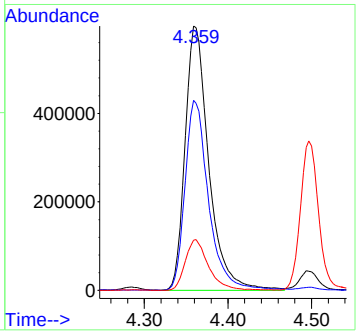


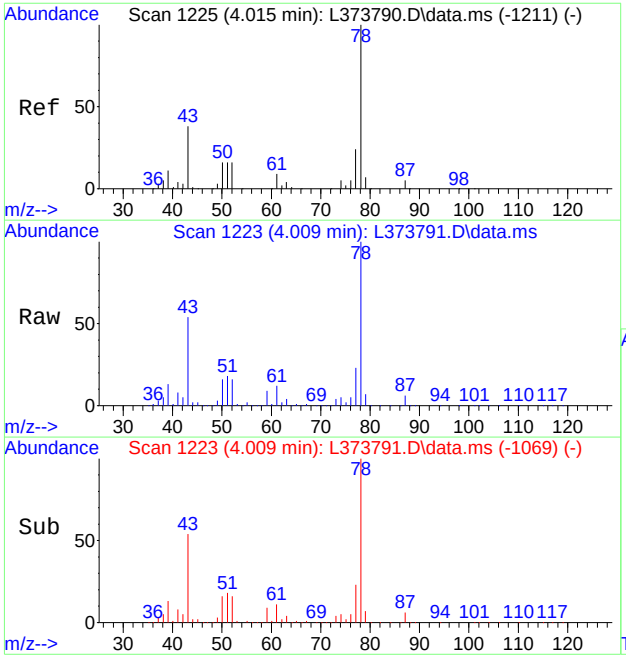


#55
n-butyl alcohol
Concen: 4471.83 ug/L
RT: 4.359 min Scan# 1332
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 56 Resp: 1175010

Ion	Ratio	Lower	Upper
56	100		
41	71.8	40.6	100.6
55	19.0	0.0	49.1

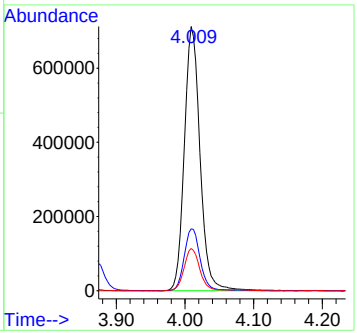


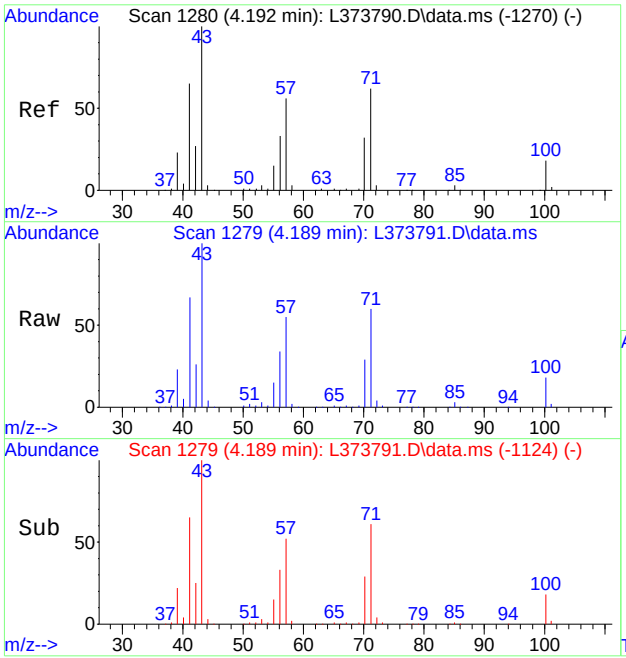


#56
benzene
Concen: 96.32 ug/L
RT: 4.009 min Scan# 1223
Delta R.T. -0.006 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 78 Resp: 1129872

Ion	Ratio	Lower	Upper
78	100		
77	23.4	0.0	53.5
52	16.0	0.0	46.2

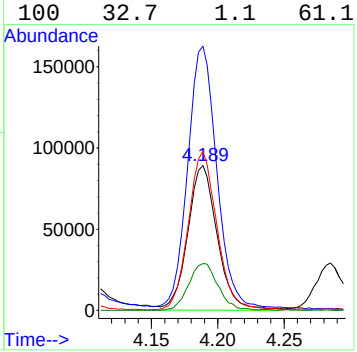


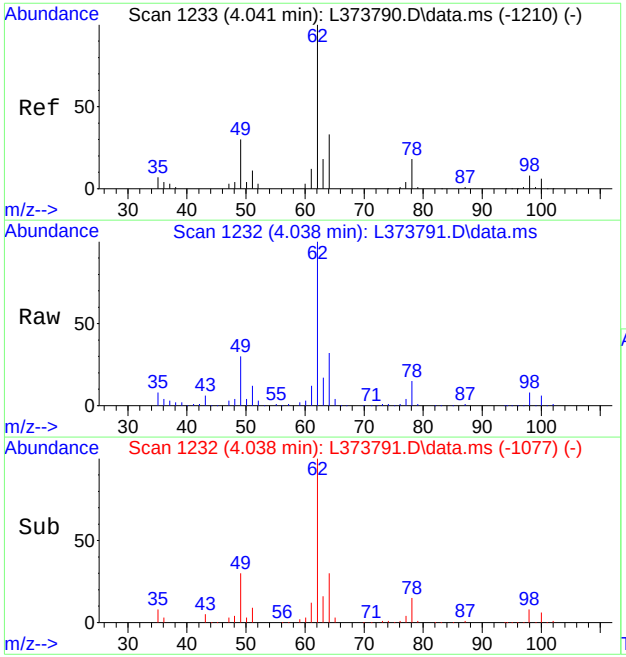


#57
heptane
Concen: 101.37 ug/L
RT: 4.189 min Scan# 1279
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 57 Resp: 137904

Ion	Ratio	Lower	Upper
57	100		
43	182.4	146.8	206.8
71	110.2	78.5	138.5
100	32.7	1.1	61.1

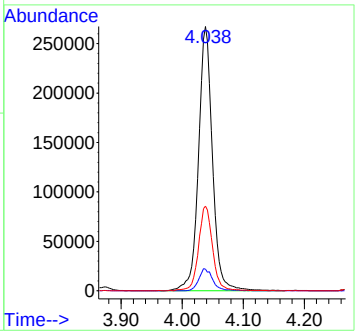


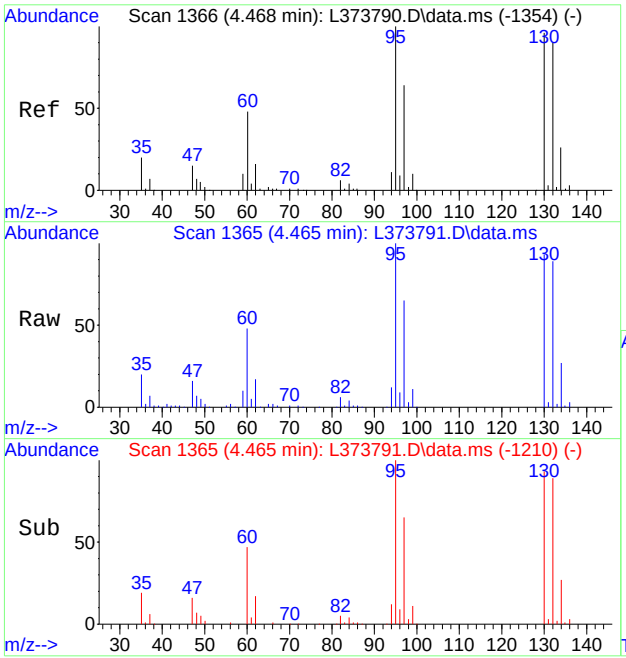


#58
1,2-dichloroethane
Concen: 95.09 ug/L
RT: 4.038 min Scan# 1232
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 62 Resp: 424975

Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	38.1
64	32.0	2.8	62.8

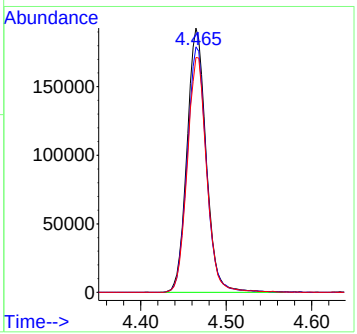


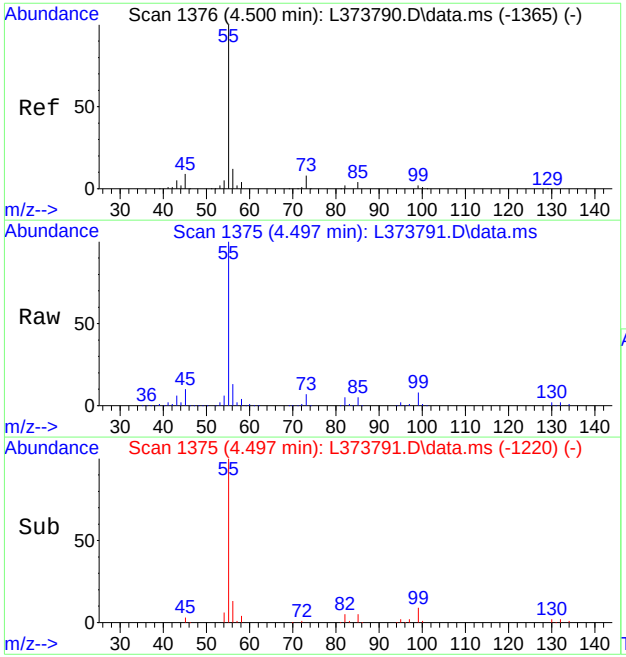


#59
trichloroethene
Concen: 103.70 ug/L
RT: 4.465 min Scan# 1365
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 95 Resp: 301012

Ion	Ratio	Lower	Upper
95	100		
130	92.9	65.5	125.5
132	88.8	59.7	119.7

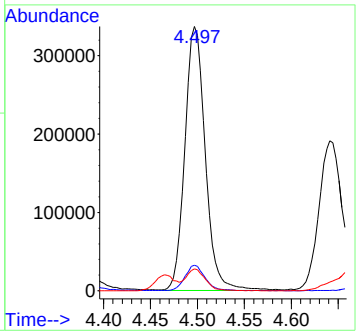


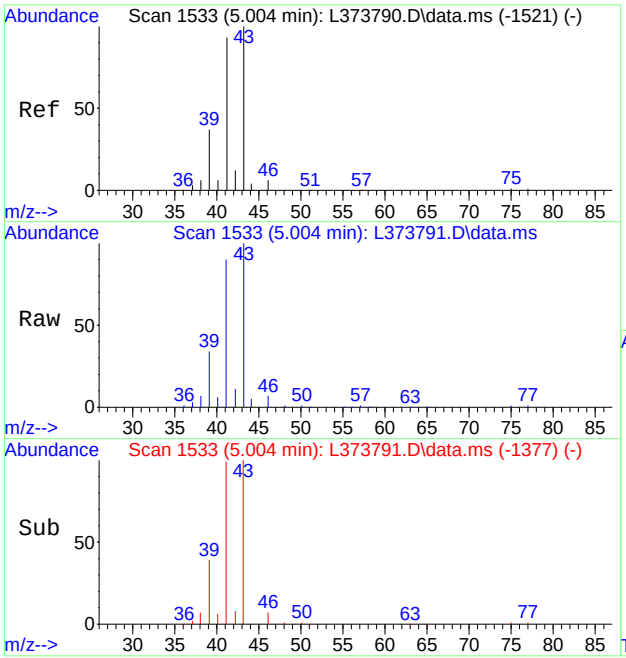


#60
ethyl acrylate
Concen: 97.33 ug/L
RT: 4.497 min Scan# 1375
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 55 Resp: 512786

Ion	Ratio	Lower	Upper
55	100		
45	9.7	0.0	28.6
99	8.3	0.0	27.8

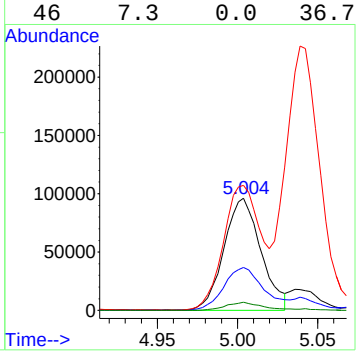


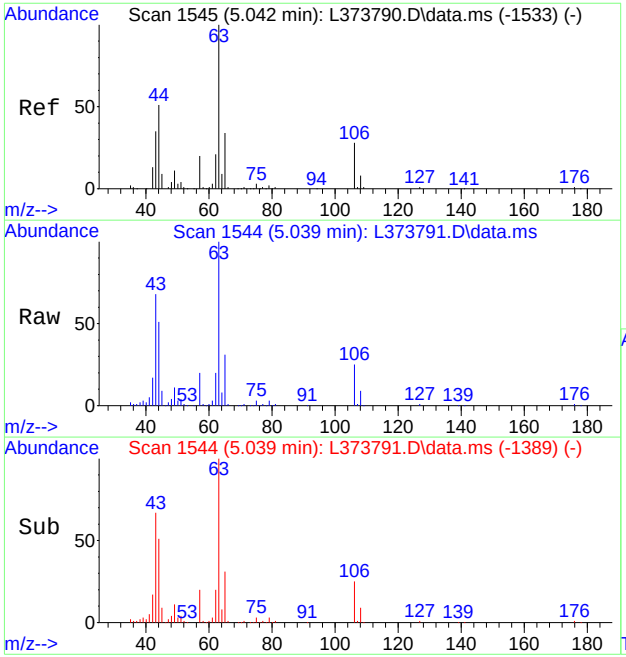


#61
2-nitropropane
Concen: 100.15 ug/L
RT: 5.004 min Scan# 1533
Delta R.T. -0.000 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 41 Resp: 154797

Ion	Ratio	Lower	Upper
41	100		
39	38.1	10.0	70.0
43	111.1	77.9	137.9
46	7.3	0.0	36.7

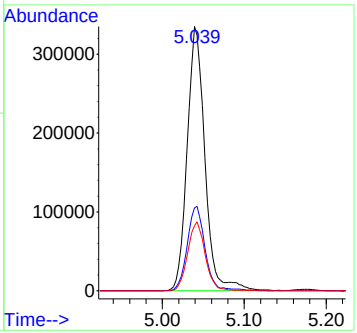


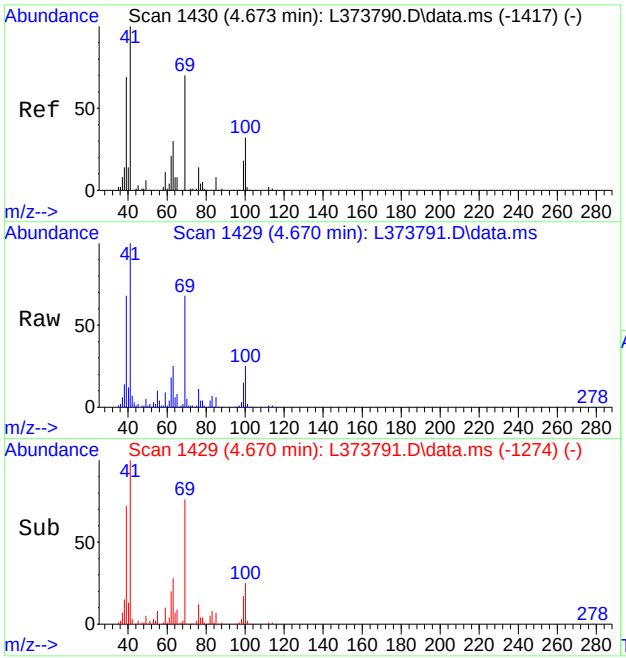


#62
2-chloroethyl vinyl ether
Concen: 508.99 ug/L
RT: 5.039 min Scan# 1544
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 63 Resp: 505639

Ion	Ratio	Lower	Upper
63	100		
65	31.4	3.9	63.9
106	24.6	0.0	57.6

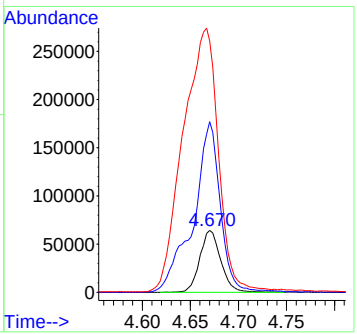


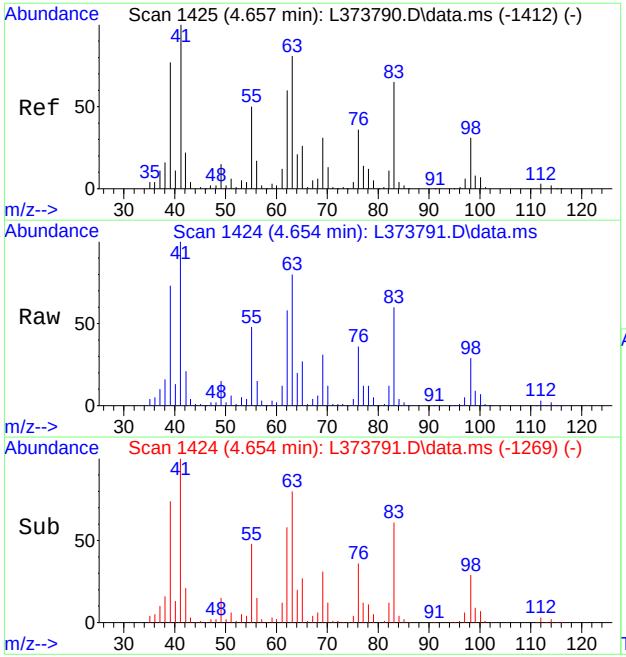


#63
methyl methacrylate
Concen: 102.39 ug/L
RT: 4.670 min Scan# 1429
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion:100 Resp: 98404

Ion	Ratio	Lower	Upper
100	100		
69	273.5	221.2	281.2
41	401.1	360.4	420.4

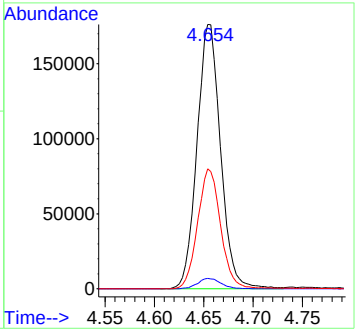


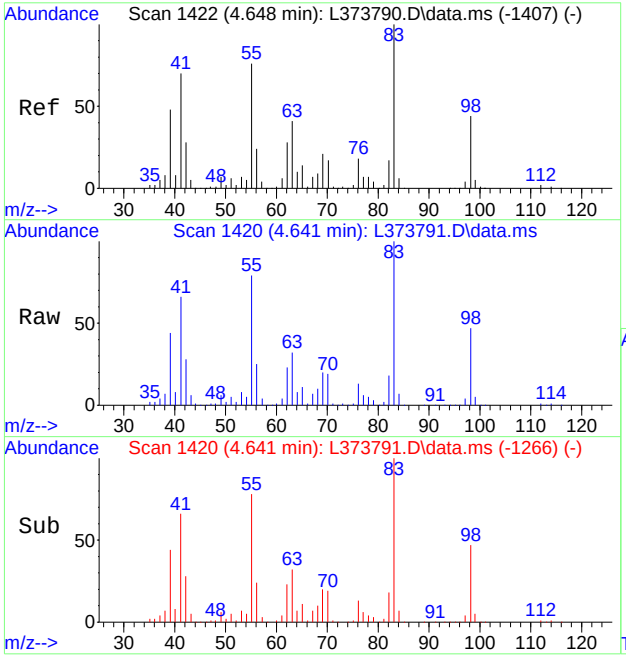


#64
1,2-dichloropropane
Concen: 98.54 ug/L
RT: 4.654 min Scan# 1424
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 63 Resp: 293278

Ion	Ratio	Lower	Upper
63	100		
112	3.9	0.0	34.1
76	45.3	14.3	74.3

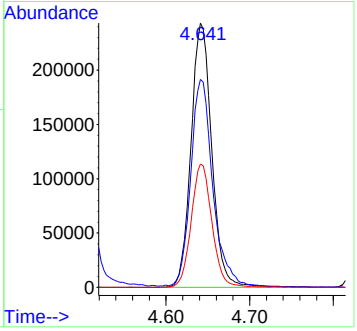


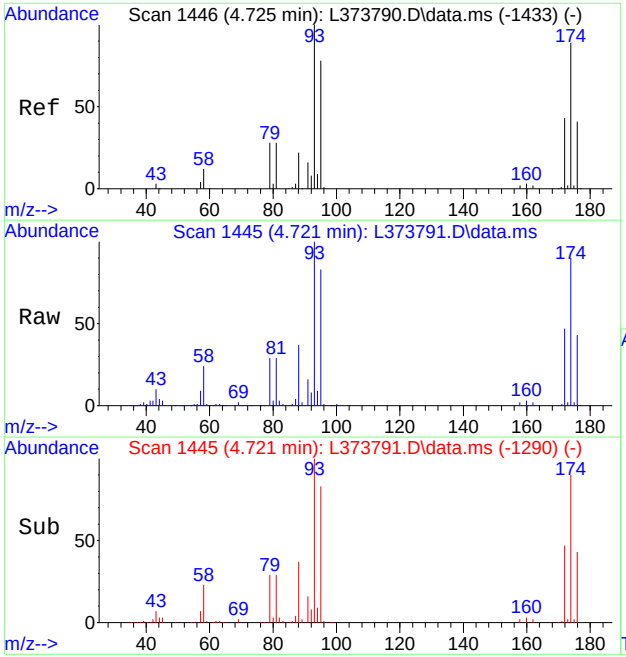


#65
methylcyclohexane
Concen: 106.45 ug/L
RT: 4.641 min Scan# 1420
Delta R.T. -0.006 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 83 Resp: 420112

Ion	Ratio	Lower	Upper
83	100		
55	78.4	46.3	106.3
98	46.6	13.7	73.7

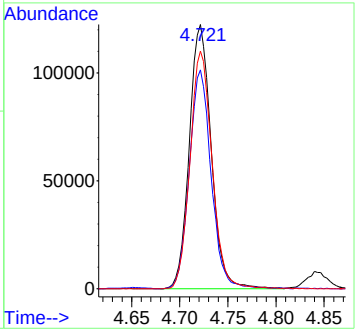


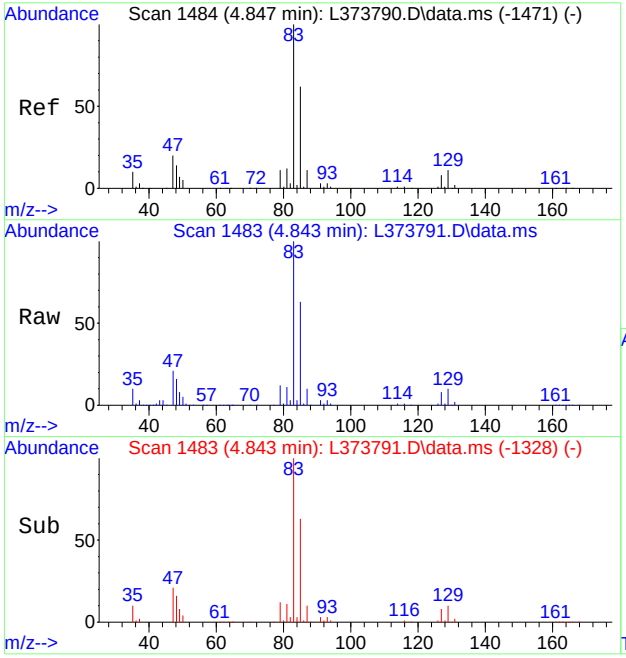


#66
dibromomethane
Concen: 93.99 ug/L
RT: 4.721 min Scan# 1445
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 93 Resp: 194666

Ion	Ratio	Lower	Upper
93	100		
95	82.8	48.3	108.3
174	89.8	59.2	119.2

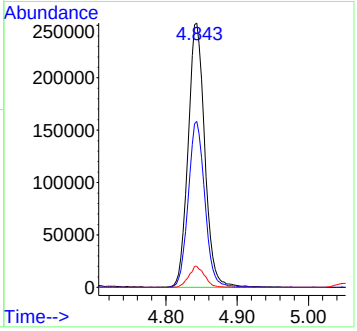


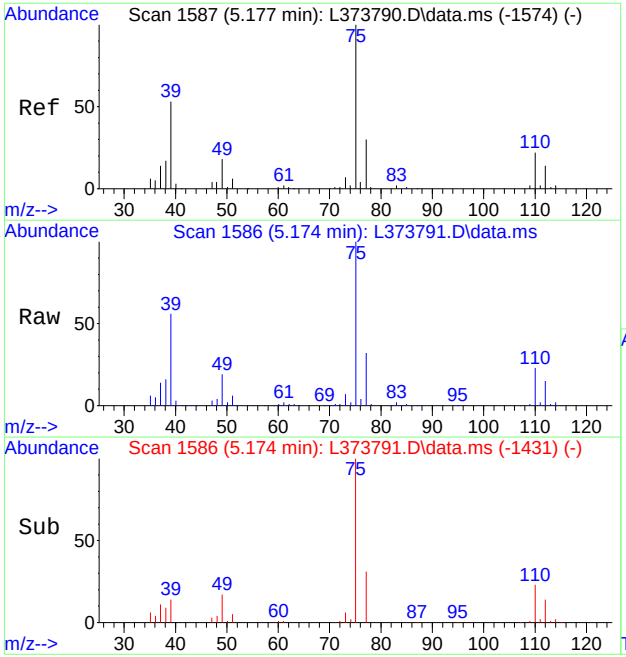


#67
bromodichloromethane
Concen: 96.53 ug/L
RT: 4.843 min Scan# 1483
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 83 Resp: 411483

Ion	Ratio	Lower	Upper
83	100		
85	62.8	31.5	91.5
127	7.9	0.0	38.3

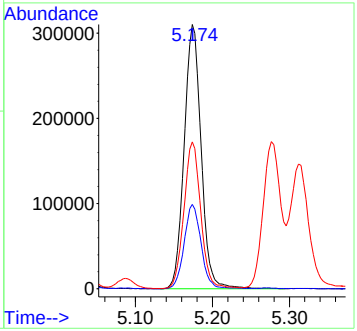


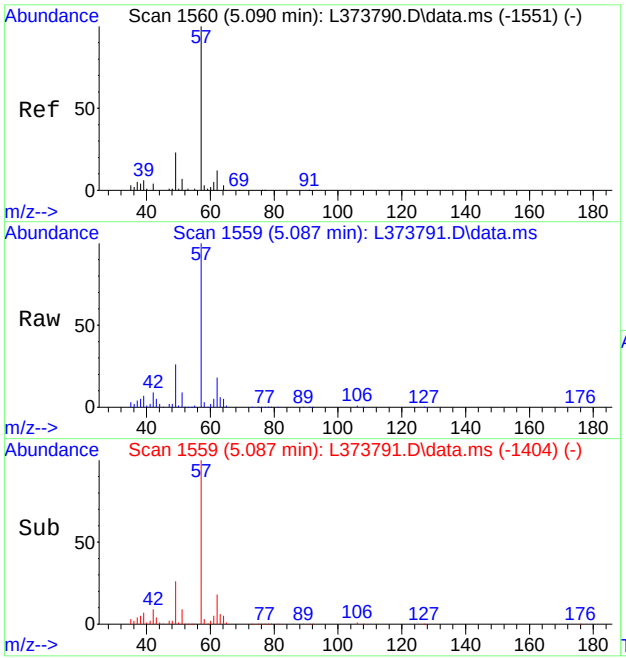


#68
cis-1,3-dichloropropene
Concen: 100.14 ug/L
RT: 5.174 min Scan# 1586
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 75 Resp: 474895

Ion	Ratio	Lower	Upper
75	100		
77	31.9	0.1	60.1
39	55.5	23.1	83.1

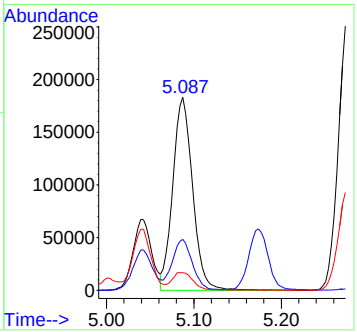


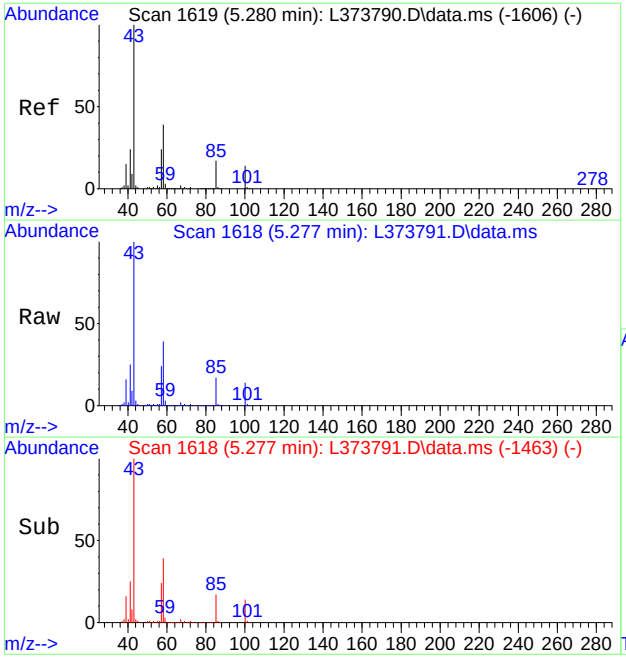


#69
epichlorohydrin
Concen: 471.16 ug/L
RT: 5.087 min Scan# 1559
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 57 Resp: 289736

Ion	Ratio	Lower	Upper
57	100		
49	25.0	1.0	41.0
42	9.0	0.0	29.5

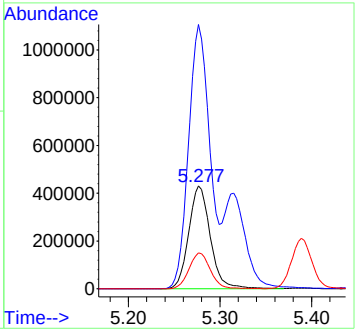


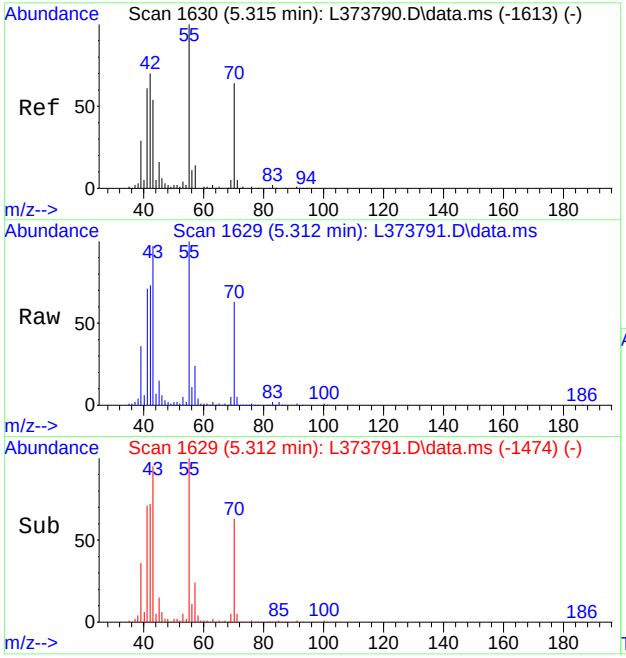


#70
4-methyl-2-pentanone
Concen: 371.70 ug/L
RT: 5.277 min Scan# 1618
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 58 Resp: 704863

Ion	Ratio	Lower	Upper
58	100		
43	256.7	233.3	273.3
100	34.9	15.2	55.2

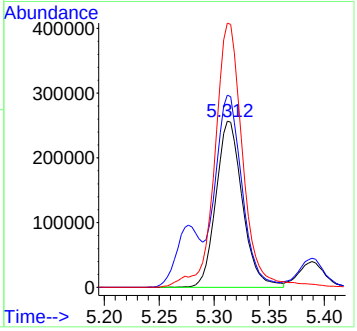


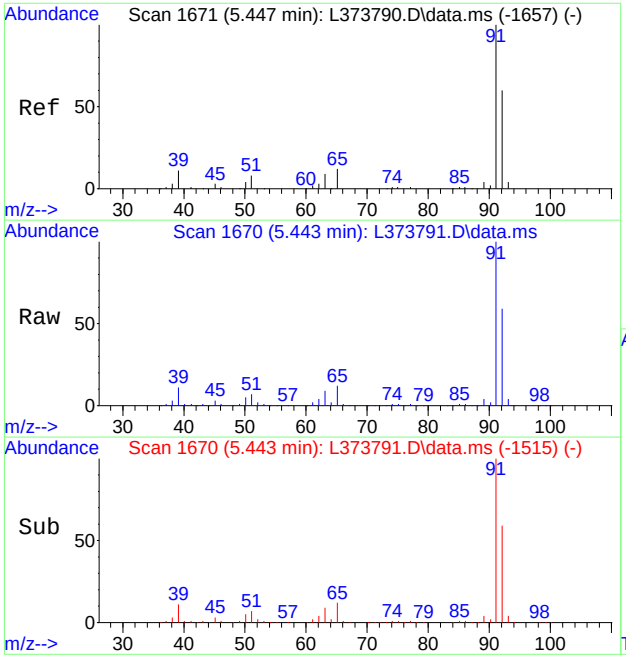


#71
3-methyl-1-butanol
Concen: 1743.04 ug/L
RT: 5.312 min Scan# 1629
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 70 Resp: 430951

Ion	Ratio	Lower	Upper
70	100		
42	114.3	94.2	134.2
55	158.9	137.5	177.5

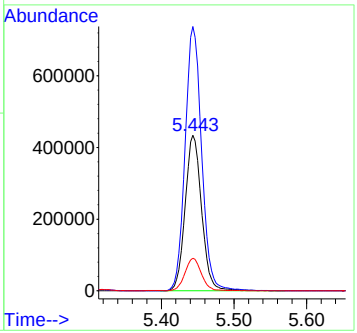


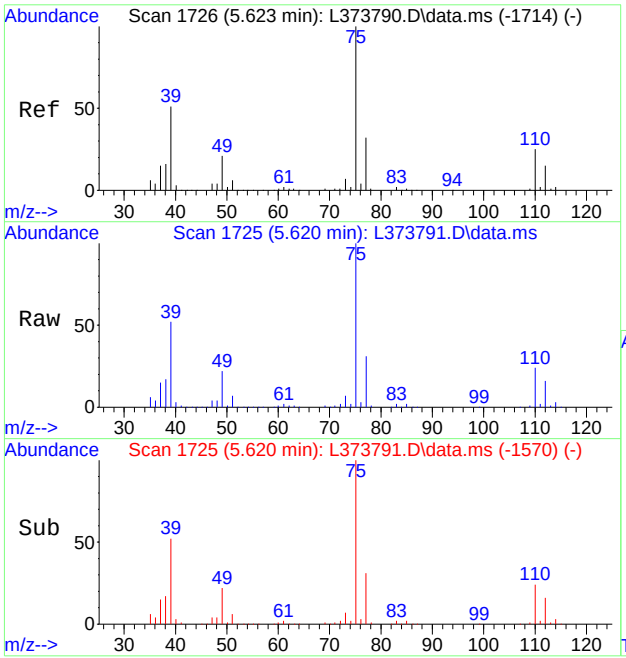


#74
toluene
Concen: 95.97 ug/L
RT: 5.443 min Scan# 1670
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 92 Resp: 685153

Ion	Ratio	Lower	Upper
92	100		
91	169.9	136.7	196.7
65	20.9	0.0	50.8

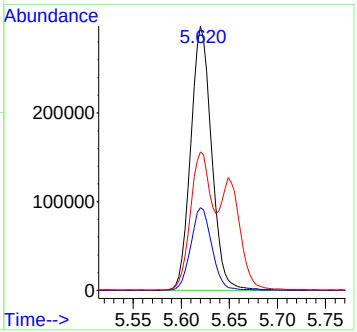


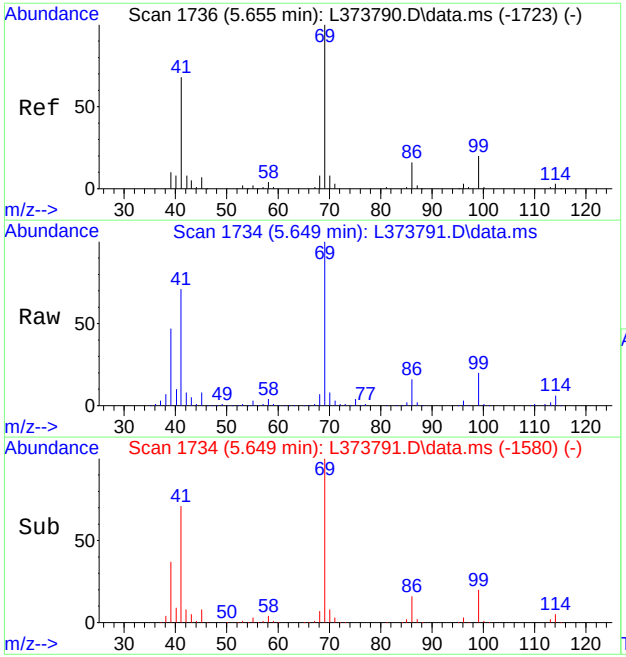


#75
trans-1,3-dichloropropene
Concen: 103.03 ug/L
RT: 5.620 min Scan# 1725
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 75 Resp: 450810

Ion	Ratio	Lower	Upper
75	100		
77	31.3	1.7	61.7
39	52.1	20.7	80.7

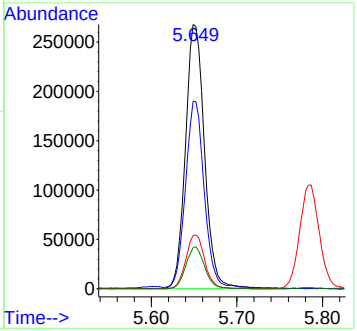


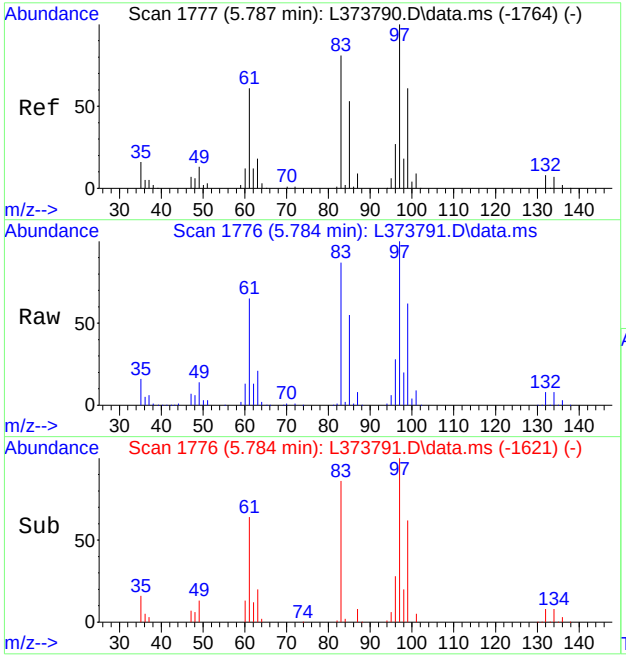


#76
ethyl methacrylate
Concen: 91.33 ug/L
RT: 5.649 min Scan# 1734
Delta R.T. -0.006 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 69 Resp: 415639

Ion	Ratio	Lower	Upper
69	100		
41	70.8	38.9	98.9
99	20.2	0.0	50.4
86	15.7	0.0	45.9

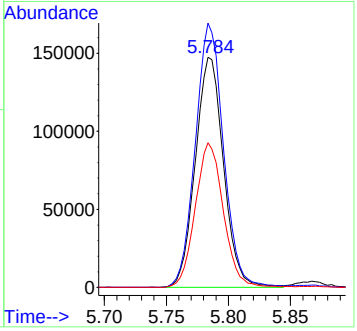


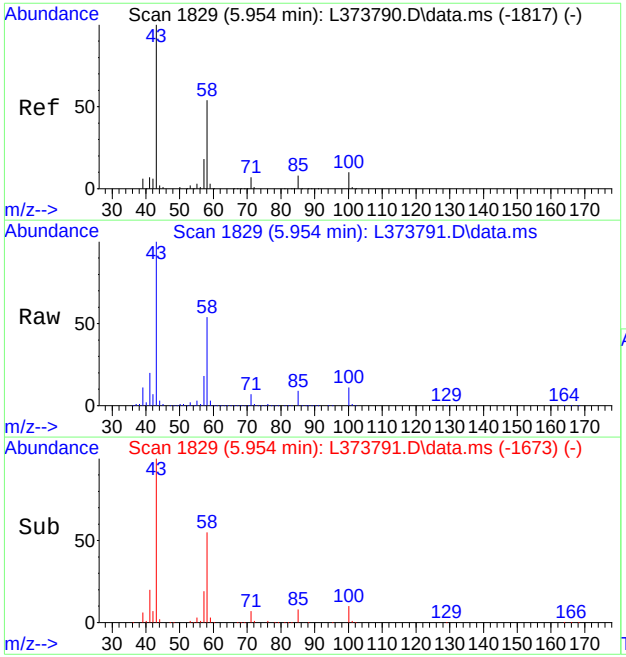


#77
1,1,2-trichloroethane
Concen: 99.10 ug/L
RT: 5.784 min Scan# 1776
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 83 Resp: 233429

Ion	Ratio	Lower	Upper
83	100		
97	115.0	93.6	153.6
85	62.9	35.4	95.4

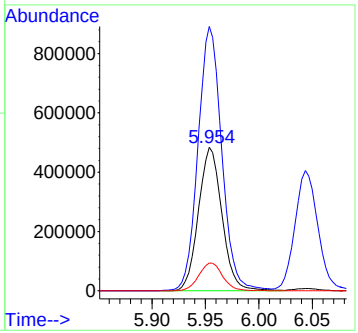


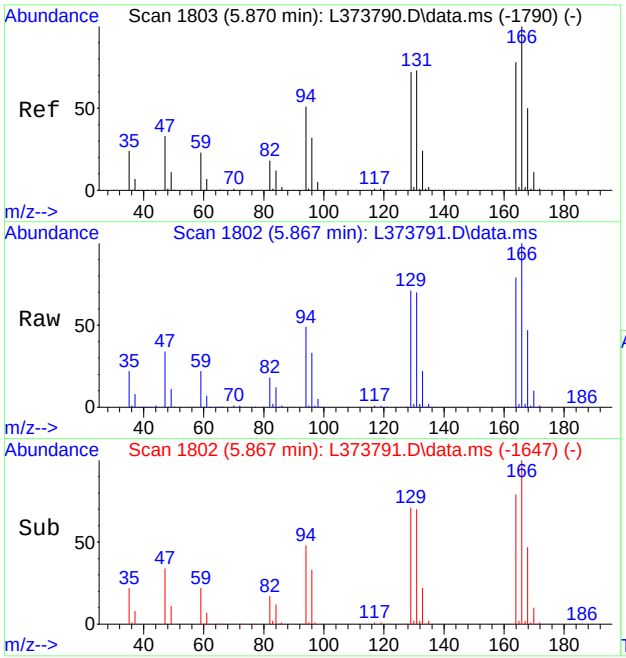


#78
2-hexanone
Concen: 359.42 ug/L
RT: 5.954 min Scan# 1829
Delta R.T. -0.000 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 58 Resp: 740979

Ion	Ratio	Lower	Upper
58	100		
43	183.9	154.6	214.6
100	19.4	0.0	49.0

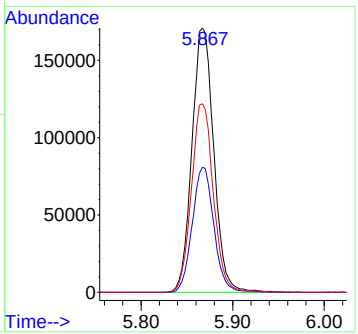


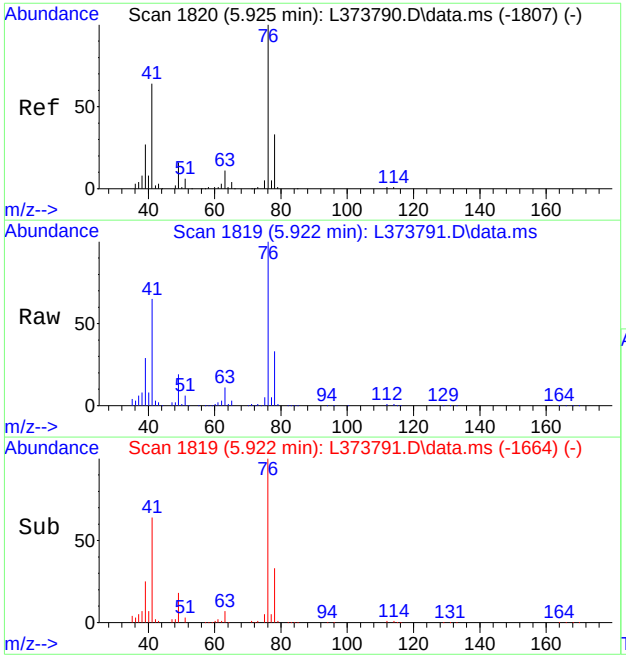


#79
tetrachloroethene
Concen: 99.47 ug/L
RT: 5.867 min Scan# 1802
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion:166 Resp: 283380

Ion	Ratio	Lower	Upper
166	100		
168	47.4	19.7	79.7
129	71.3	42.4	102.4

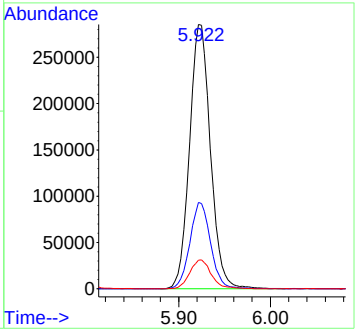


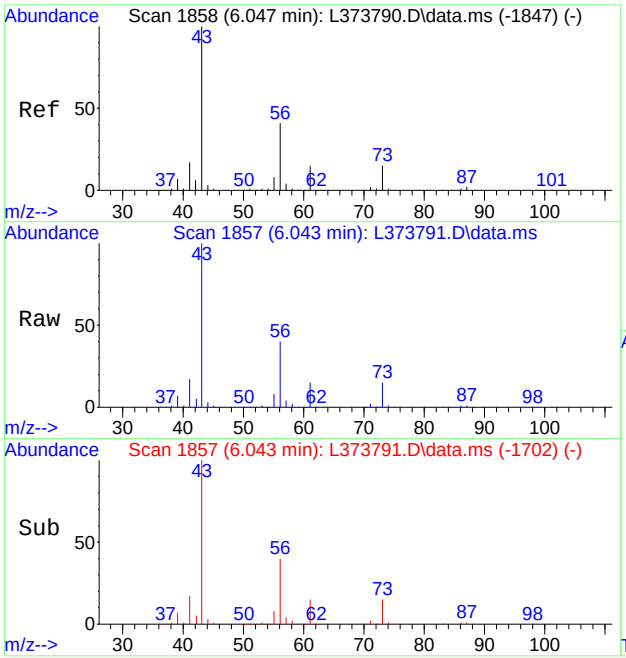


#80
1,3-dichloropropane
Concen: 100.16 ug/L
RT: 5.922 min Scan# 1819
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 76 Resp: 452893

Ion	Ratio	Lower	Upper
76	100		
78	32.7	2.7	62.7
63	10.8	0.0	41.2

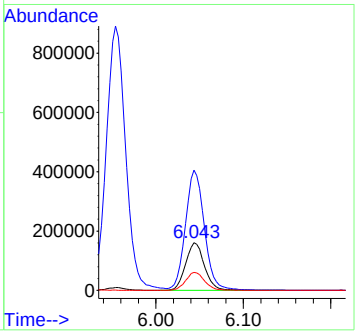


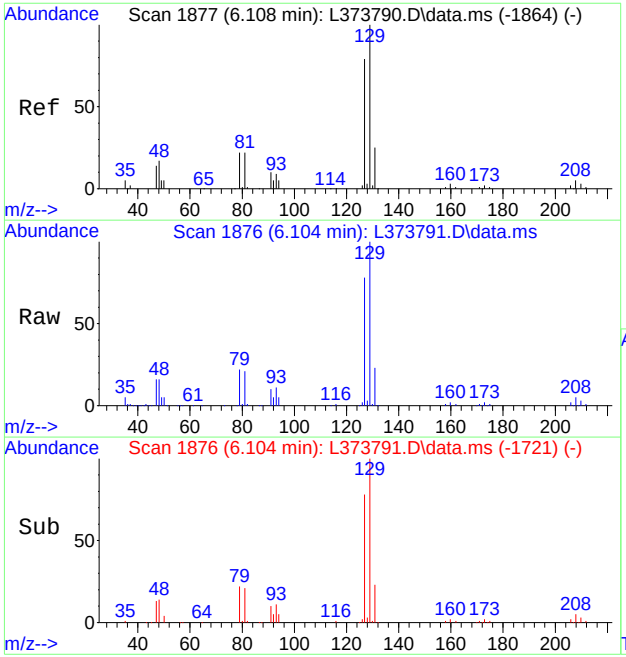


#81
butyl acetate
Concen: 89.10 ug/L
RT: 6.043 min Scan# 1857
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 56 Resp: 241785

Ion	Ratio	Lower	Upper
56	100		
43	251.5	218.3	278.3
73	38.0	7.2	67.2

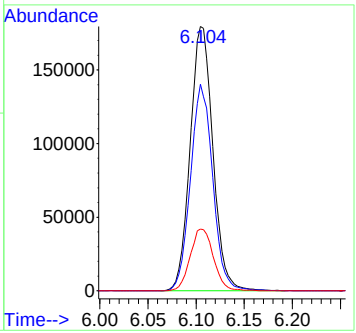


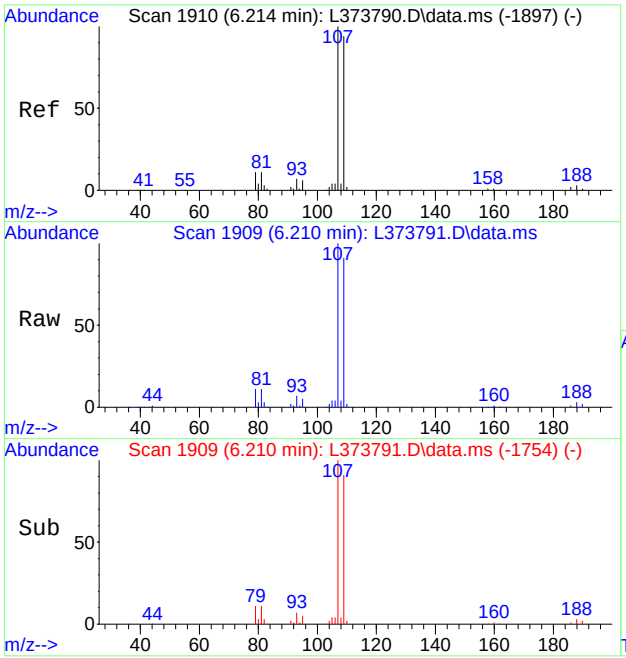


#82
dibromochloromethane
Concen: 97.14 ug/L
RT: 6.104 min Scan# 1876
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion:129 Resp: 295698

Ion	Ratio	Lower	Upper
129	100		
127	78.1	49.0	109.0
131	23.3	0.0	54.6

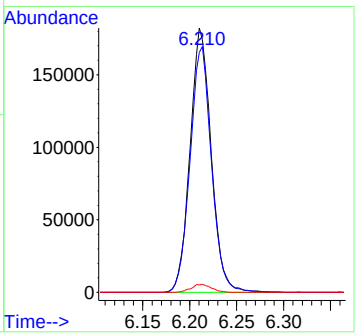


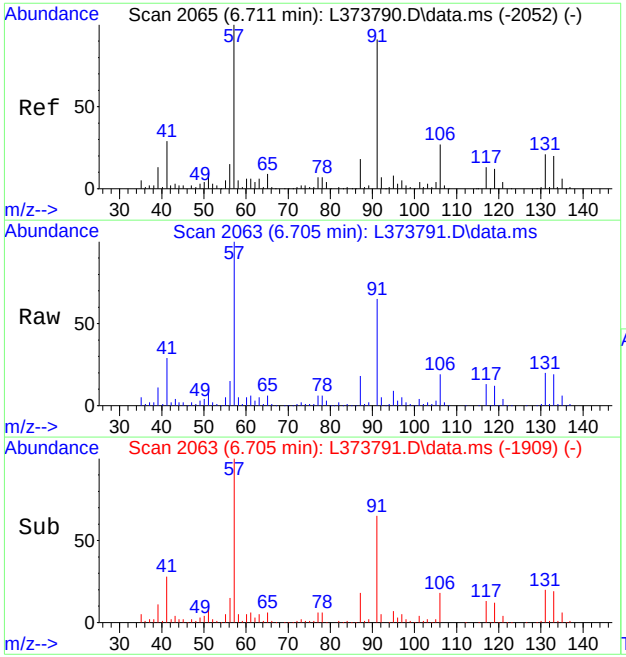


#83
1,2-dibromoethane
Concen: 100.08 ug/L
RT: 6.210 min Scan# 1909
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion:107 Resp: 285313

Ion	Ratio	Lower	Upper
107	100		
109	90.8	63.9	123.9
188	2.7	0.0	33.4

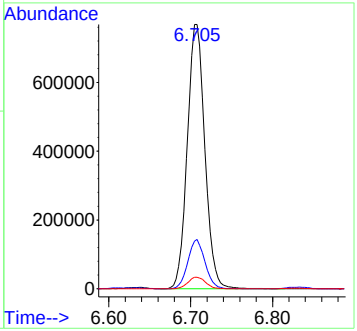


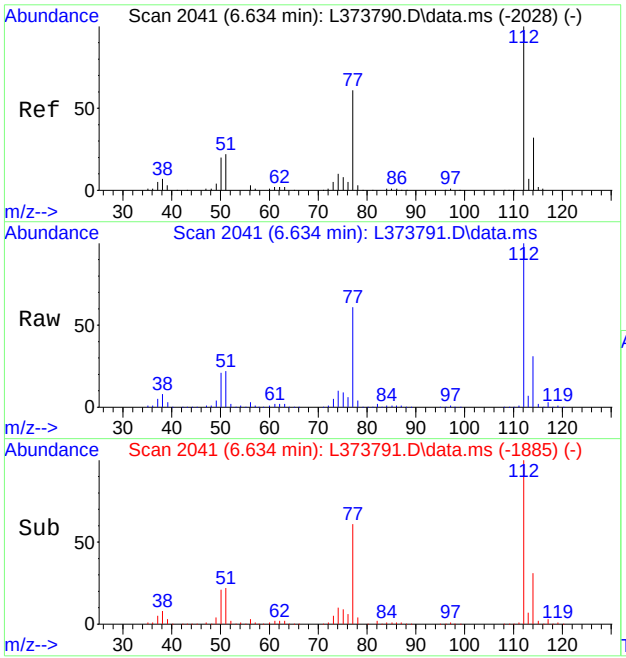


#84
n-butyl ether
Concen: 94.72 ug/L
RT: 6.705 min Scan# 2063
Delta R.T. -0.006 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 57 Resp: 1144223

Ion	Ratio	Lower	Upper
57	100		
87	18.1	0.0	47.8
101	4.3	0.0	34.2

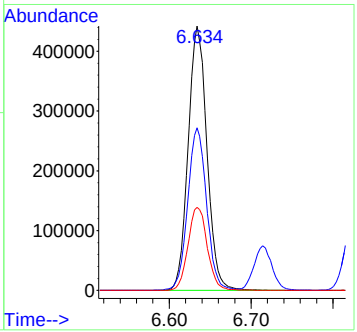


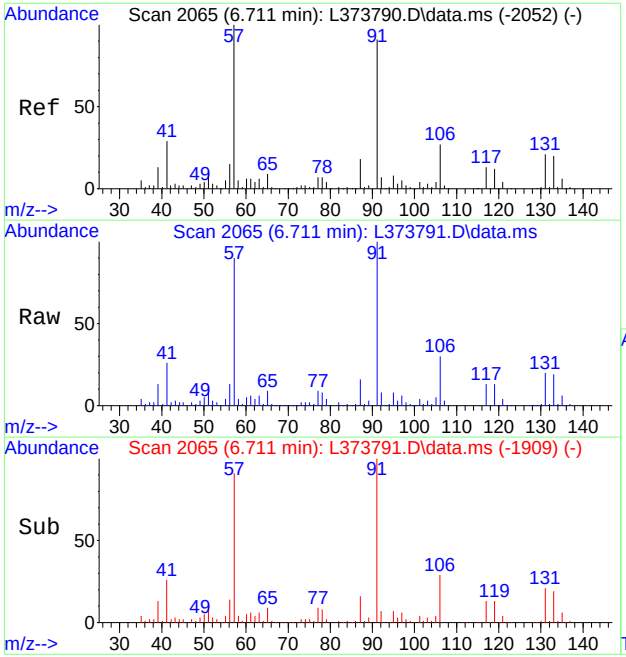


#85
chlorobenzene
Concen: 93.62 ug/L
RT: 6.634 min Scan# 2041
Delta R.T. -0.000 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion:112 Resp: 705803

Ion	Ratio	Lower	Upper
112	100		
77	61.3	30.8	90.8
114	31.4	2.4	62.4

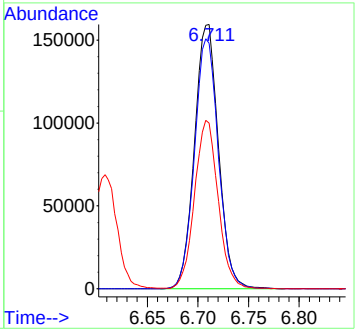


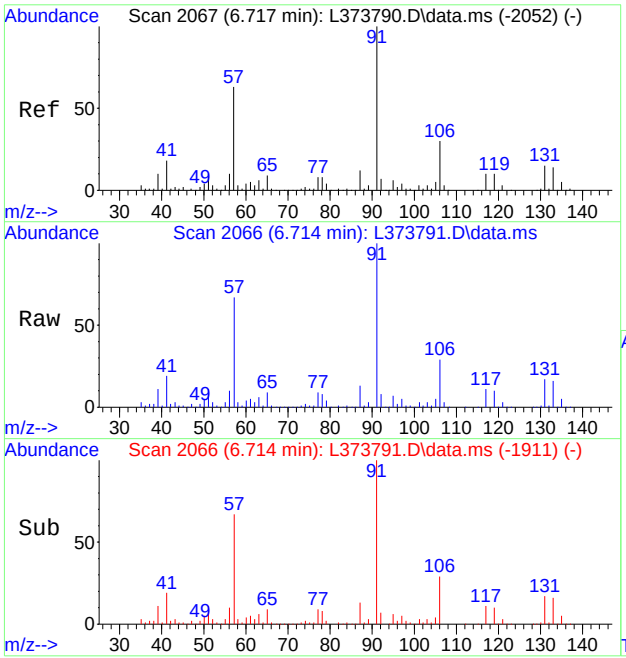


#86
1,1,1,2-tetrachloroethane
Concen: 106.07 ug/L
RT: 6.711 min Scan# 2065
Delta R.T. -0.000 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion:131 Resp: 263109

Ion	Ratio	Lower	Upper
131	100		
133	92.8	65.1	125.1
119	62.7	30.8	90.8

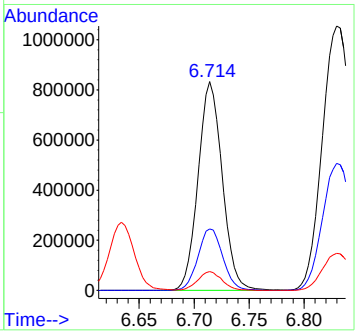


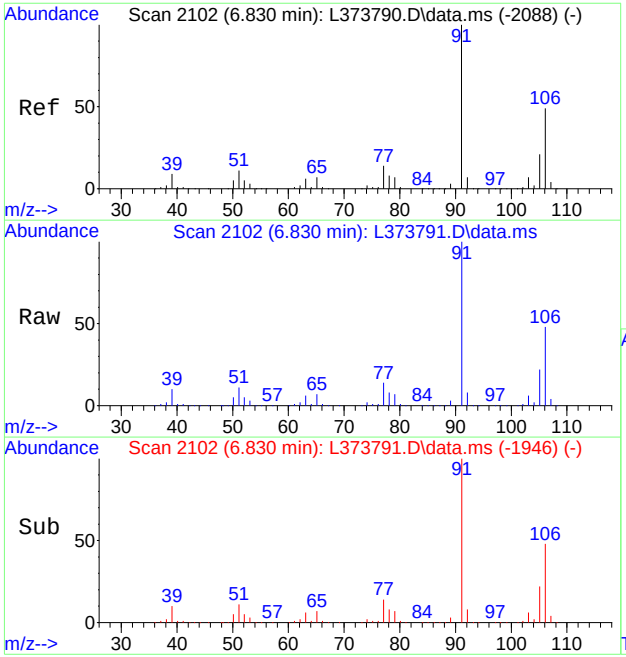


#87
ethylbenzene
Concen: 97.51 ug/L
RT: 6.714 min Scan# 2066
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 91 Resp: 1274094

Ion	Ratio	Lower	Upper
91	100		
106	29.4	0.1	60.1
77	8.9	0.0	38.6

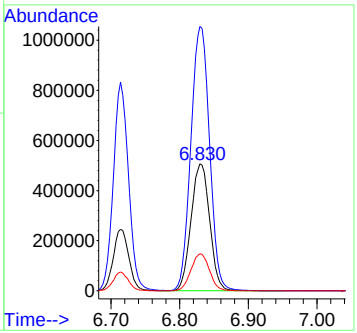


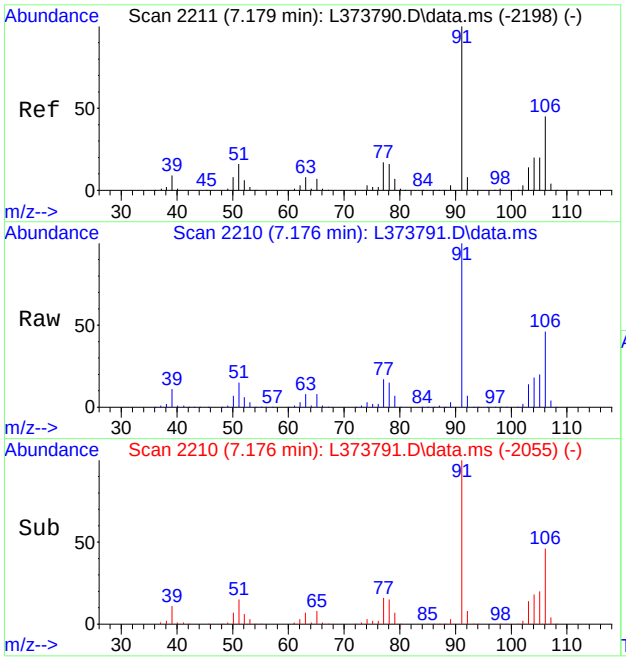


#88
m,p-xylene
Concen: 188.43 ug/L
RT: 6.830 min Scan# 2102
Delta R.T. -0.000 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion:106 Resp: 954127

Ion	Ratio	Lower	Upper
106	100		
91	208.3	175.7	235.7
77	29.1	8.1	48.1

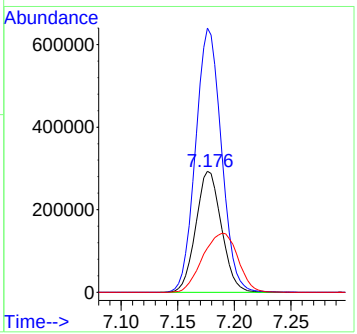


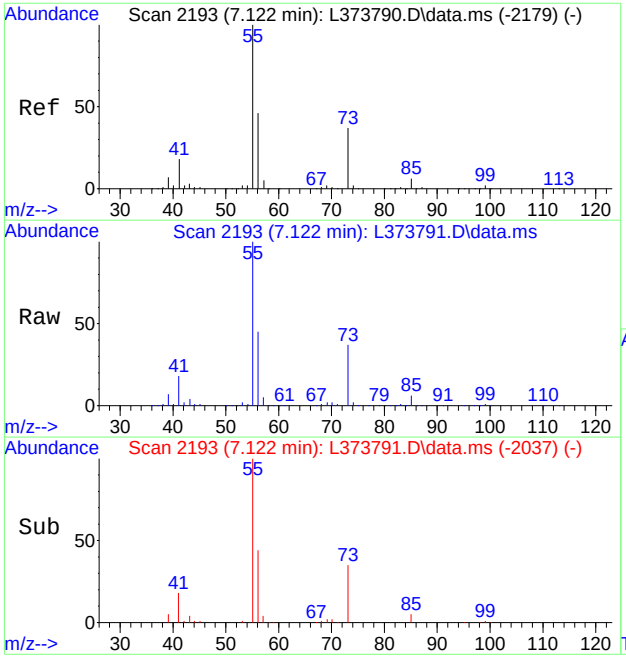


#89
o-xylene
Concen: 93.32 ug/L
RT: 7.176 min Scan# 2210
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion:106 Resp: 462703

Ion	Ratio	Lower	Upper
106	100		
91	218.2	194.5	254.5
77	36.6	18.1	58.1

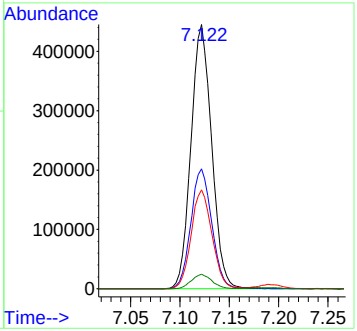


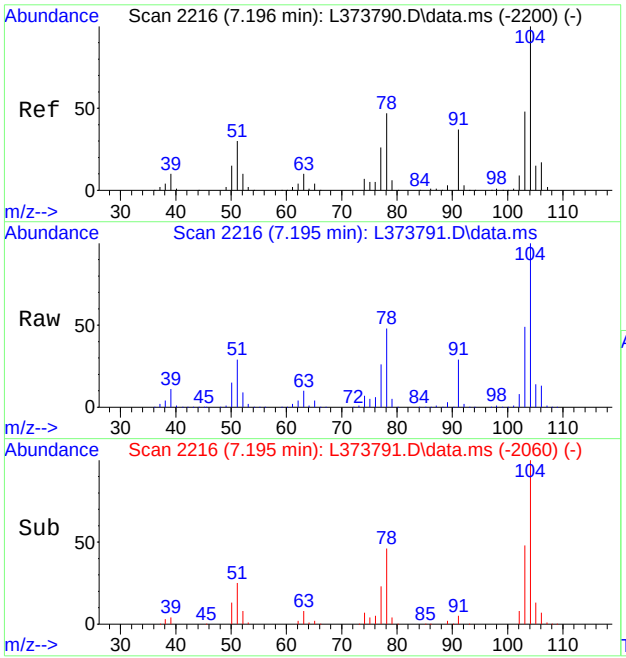


#90
butyl acrylate
Concen: 88.48 ug/L
RT: 7.122 min Scan# 2193
Delta R.T. -0.000 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 55 Resp: 649301

Ion	Ratio	Lower	Upper
55	100		
56	45.3	26.3	66.3
73	37.4	17.5	57.5
85	5.5	0.0	25.6

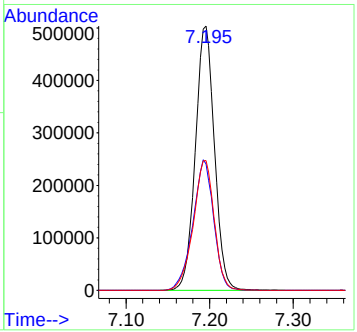


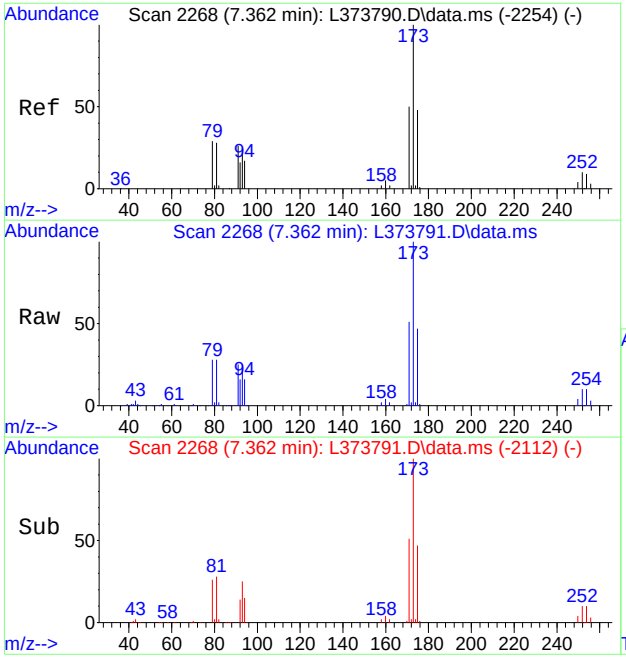


#91
styrene
Concen: 96.98 ug/L
RT: 7.195 min Scan# 2216
Delta R.T. -0.000 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion:104 Resp: 799922

Ion	Ratio	Lower	Upper
104	100		
78	47.8	16.8	76.8
103	49.1	17.7	77.7

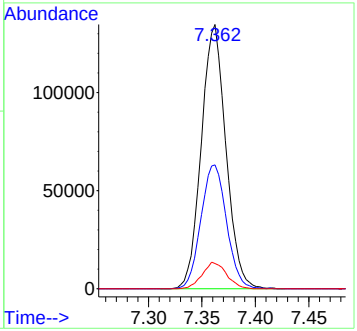


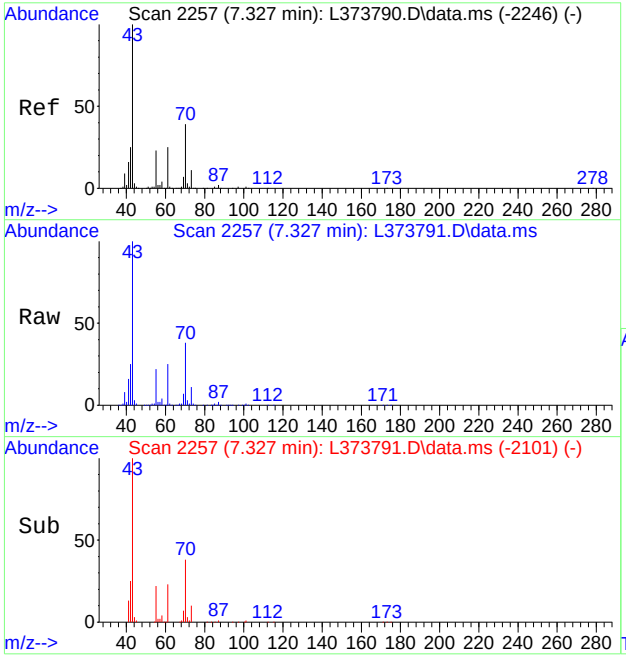


#92
bromoform
Concen: 101.28 ug/L
RT: 7.362 min Scan# 2268
Delta R.T. -0.000 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion:173 Resp: 216404

Ion	Ratio	Lower	Upper
173	100		
175	46.9	17.8	77.8
254	9.6	0.0	39.4

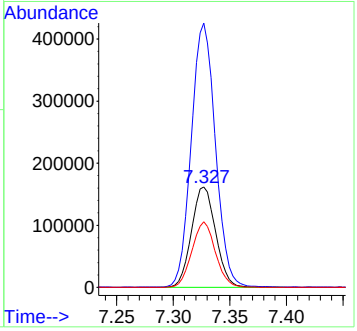


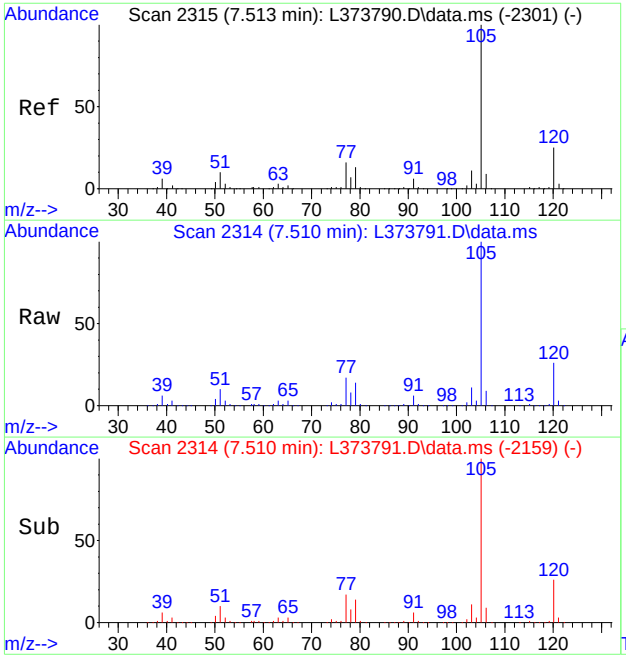


#93
n-amyl acetate
Concen: 87.21 ug/L
RT: 7.327 min Scan# 2257
Delta R.T. -0.000 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 70 Resp: 240370

Ion	Ratio	Lower	Upper
70	100		
43	262.9	233.4	273.4
61	65.4	42.6	82.6

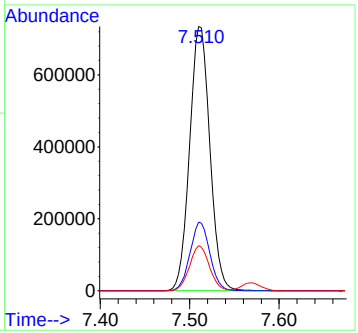


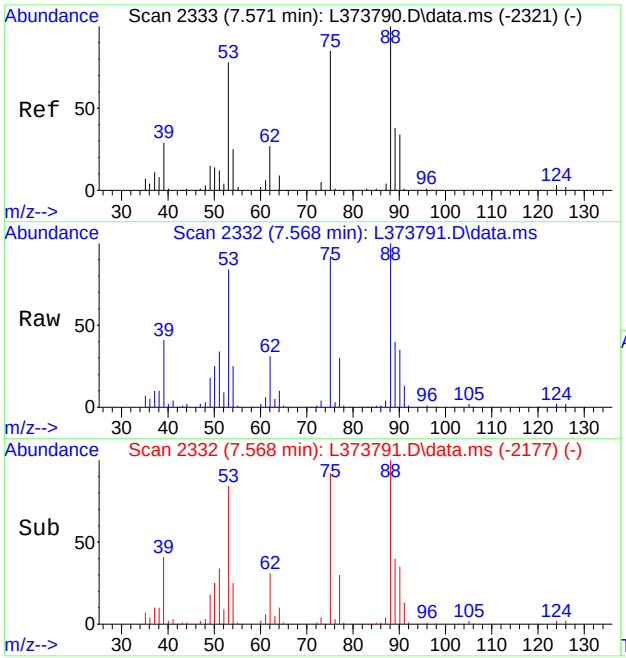


#94
isopropylbenzene
Concen: 97.49 ug/L
RT: 7.510 min Scan# 2314
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion:105 Resp: 1155034

Ion	Ratio	Lower	Upper
105	100		
120	25.9	5.2	45.2
77	17.1	0.0	36.2

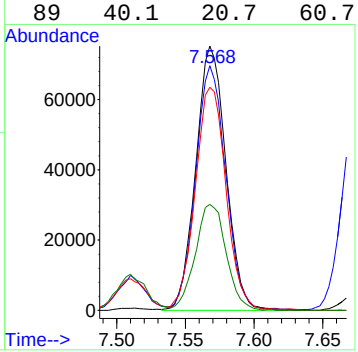


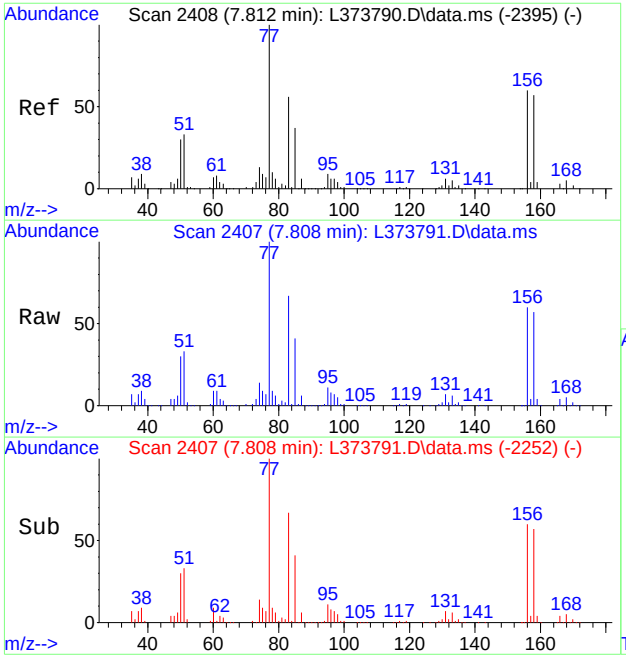


#95
cis-1,4-dichloro-2-butene
Concen: 125.68 ug/L
RT: 7.568 min Scan# 2332
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 88 Resp: 114755

Ion	Ratio	Lower	Upper
88	100		
75	92.0	66.5	106.5
53	83.8	59.7	99.7
89	40.1	20.7	60.7

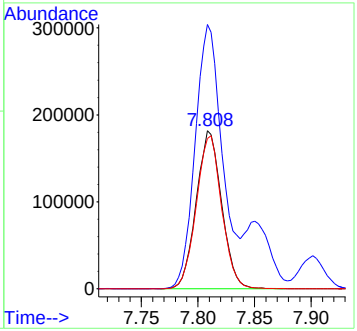


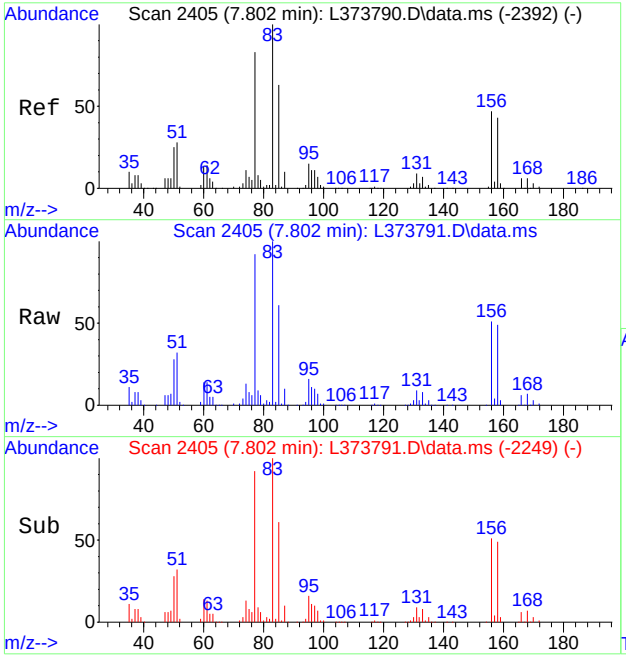


#98
bromobenzene
Concen: 95.33 ug/L
RT: 7.808 min Scan# 2407
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion:156 Resp: 282773

Ion	Ratio	Lower	Upper
156	100		
77	167.2	137.0	197.0
158	95.1	65.5	125.5

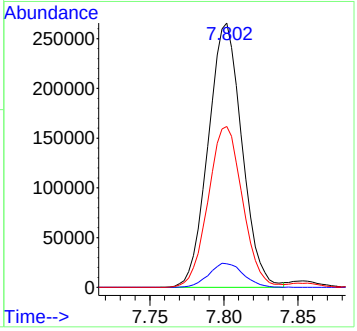


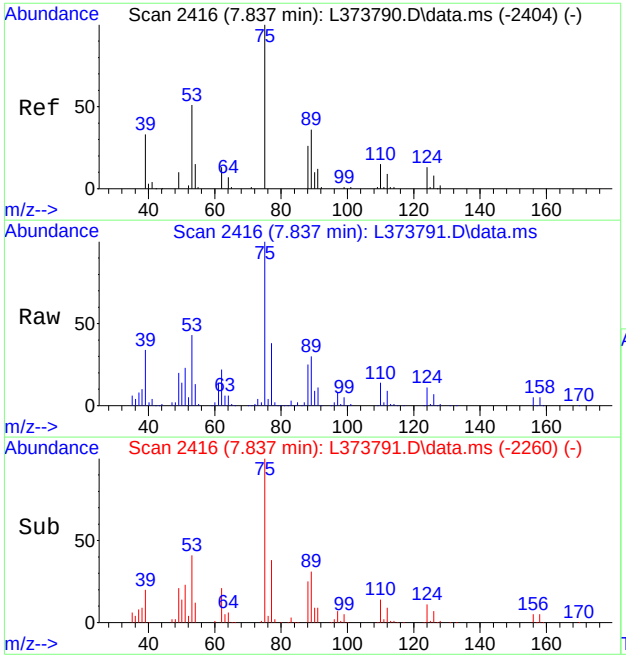


#99
1,1,2,2-tetrachloroethane
Concen: 93.13 ug/L
RT: 7.802 min Scan# 2405
Delta R.T. -0.000 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 83 Resp: 420792

Ion	Ratio	Lower	Upper
83	100		
131	8.9	0.0	38.9
85	60.8	33.3	93.3

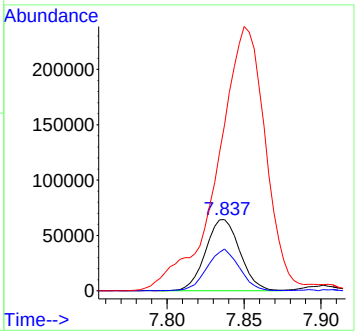


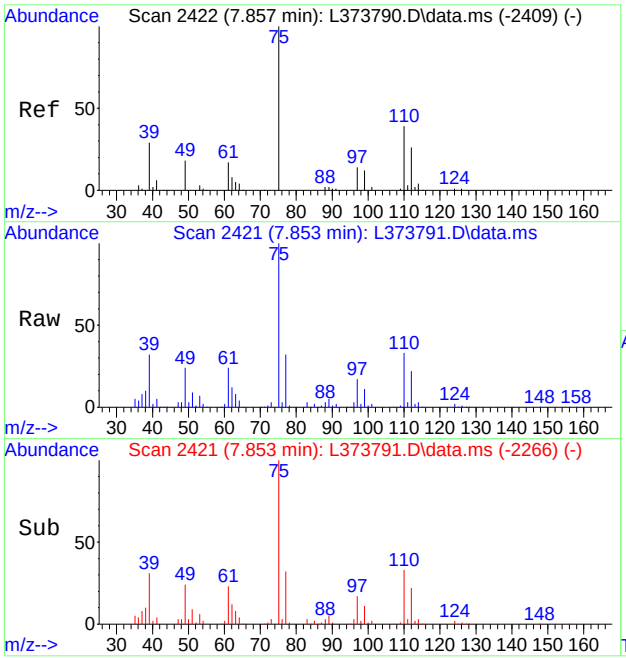


#100
trans-1,4-dichloro-2-butene
Concen: 122.81 ug/L
RT: 7.837 min Scan# 2416
Delta R.T. -0.000 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 53 Resp: 100439

Ion	Ratio	Lower	Upper
53	100		
88	58.2	21.0	81.0
75	215.0	165.8	225.8

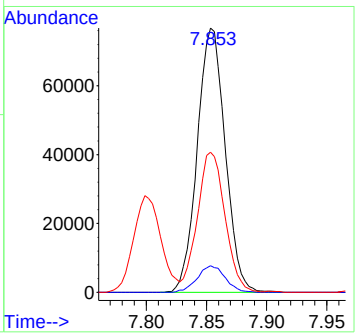


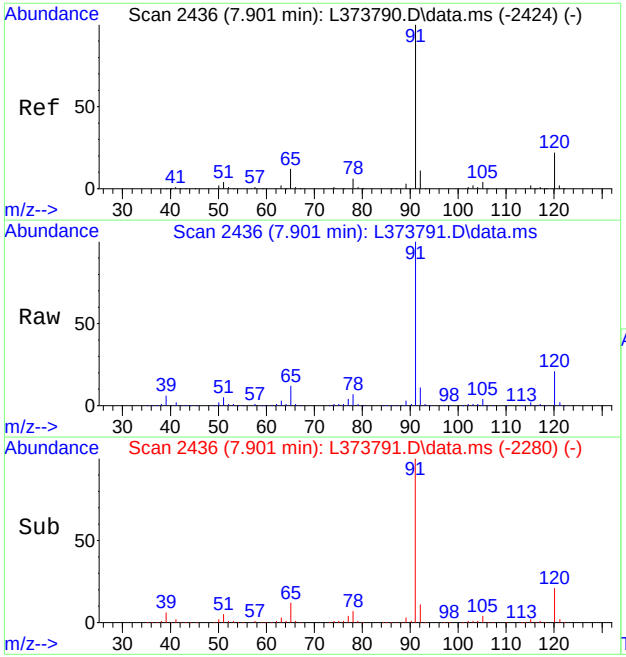


#101
1,2,3-trichloropropane
Concen: 91.67 ug/L
RT: 7.853 min Scan# 2421
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion:110 Resp: 124028

Ion	Ratio	Lower	Upper
110	100		
111	10.1	0.0	38.4
97	53.0	22.5	82.5

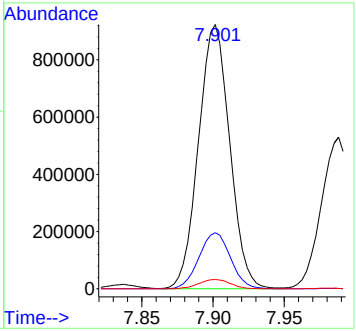


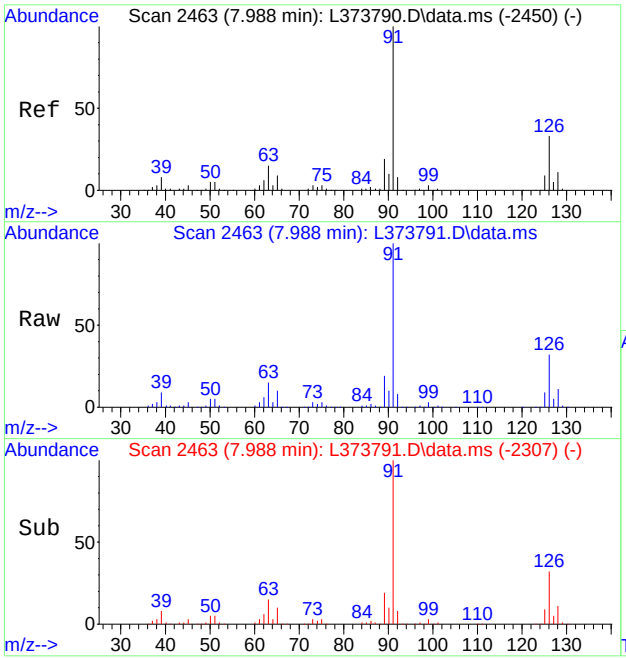


#102
n-propylbenzene
Concen: 99.07 ug/L
RT: 7.901 min Scan# 2436
Delta R.T. -0.000 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 91 Resp: 1407679

Ion	Ratio	Lower	Upper
91	100		
120	21.2	0.0	51.5
105	3.5	0.0	33.7

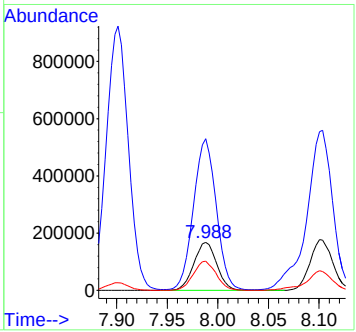


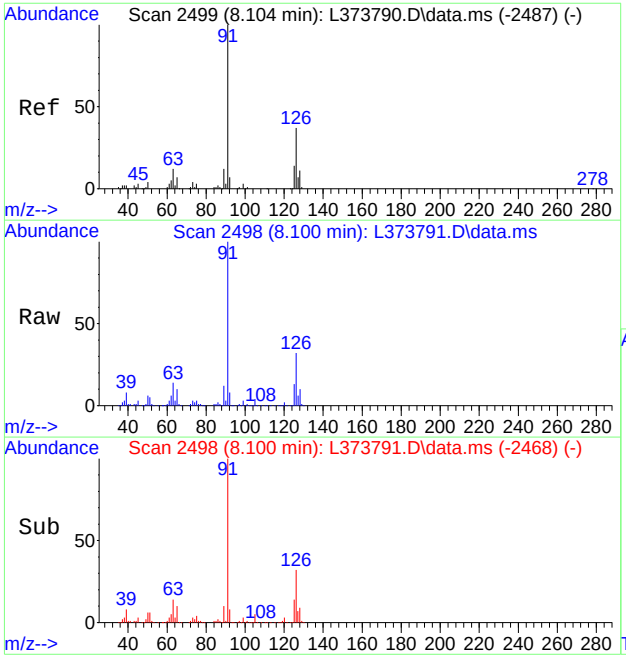


#103
2-chlorotoluene
Concen: 95.55 ug/L
RT: 7.988 min Scan# 2463
Delta R.T. -0.000 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion:126 Resp: 265434

Ion	Ratio	Lower	Upper
126	100		
91	314.1	276.4	336.4
89	60.7	28.8	88.8

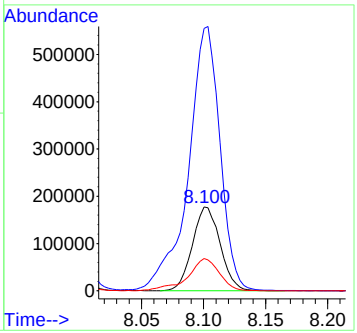


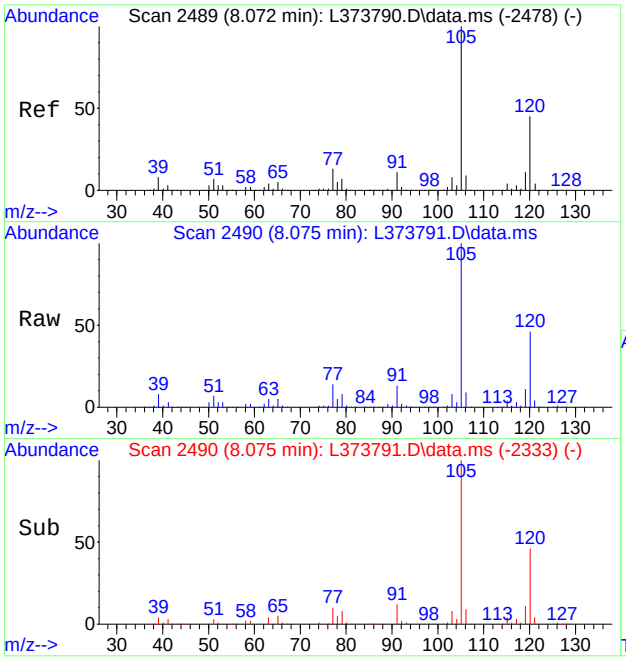


#104
4-chlorotoluene
Concen: 93.39 ug/L
RT: 8.100 min Scan# 2498
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion:126 Resp: 276534

Ion	Ratio	Lower	Upper
126	100		
91	312.0	265.5	325.5
89	38.5	5.5	65.5

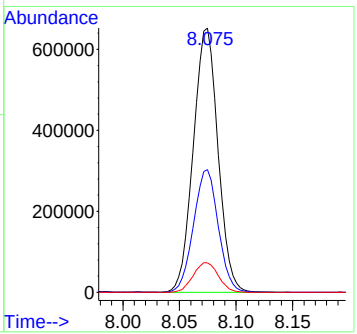


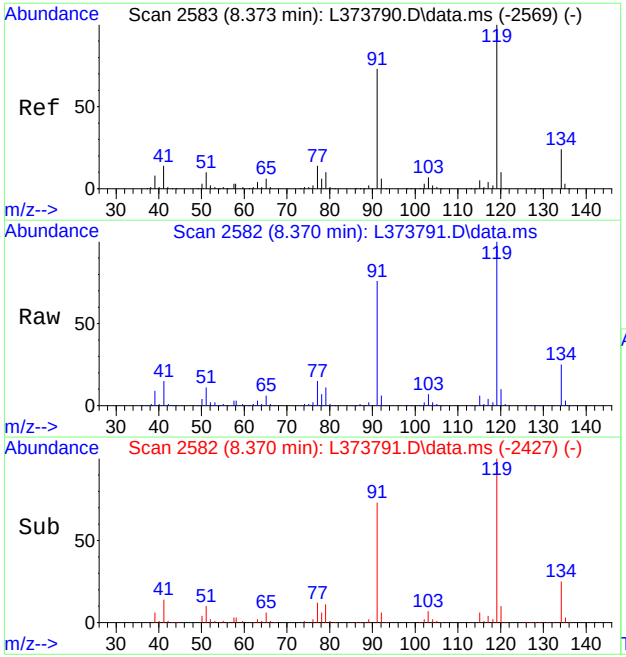


#105
1,3,5-trimethylbenzene
Concen: 99.97 ug/L
RT: 8.075 min Scan# 2490
Delta R.T. 0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion:105 Resp: 988628

Ion	Ratio	Lower	Upper
105	100		
120	46.4	14.9	74.9
119	11.2	0.0	40.8

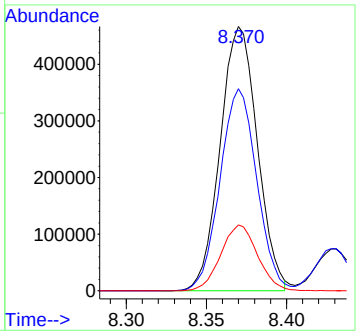


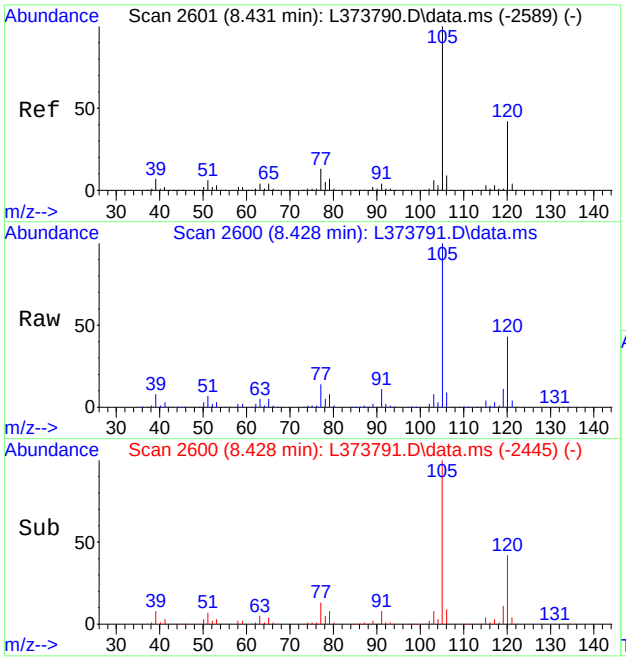


#106
tert-butylbenzene
Concen: 95.95 ug/L
RT: 8.370 min Scan# 2582
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion:119 Resp: 753814

Ion	Ratio	Lower	Upper
119	100		
91	76.4	42.9	102.9
134	25.0	0.0	54.4

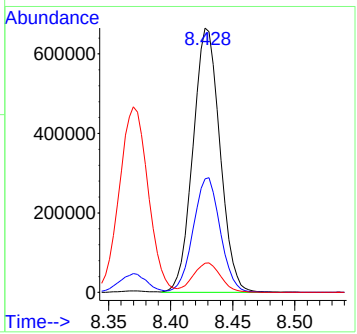


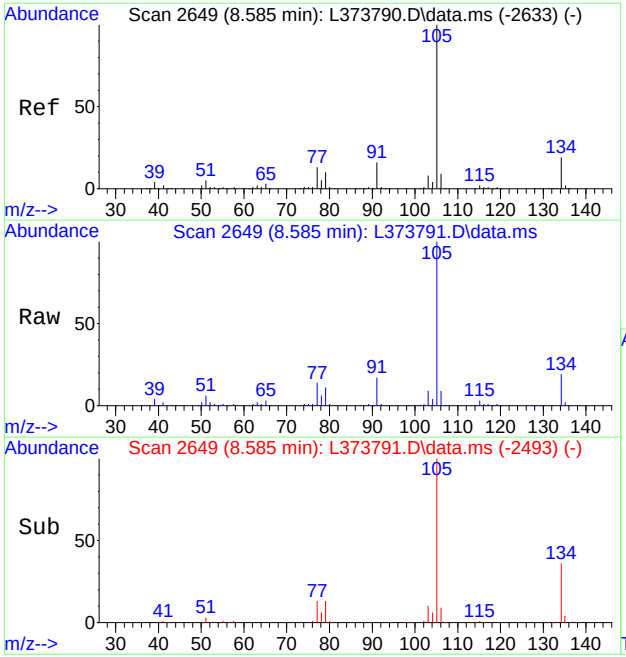


#107
1,2,4-trimethylbenzene
Concen: 100.95 ug/L
RT: 8.428 min Scan# 2600
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion:105 Resp: 1005923

Ion	Ratio	Lower	Upper
105	100		
120	42.9	13.1	73.1
119	11.0	0.0	41.9

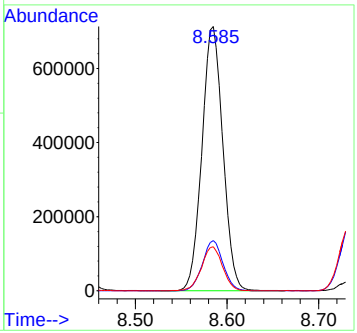


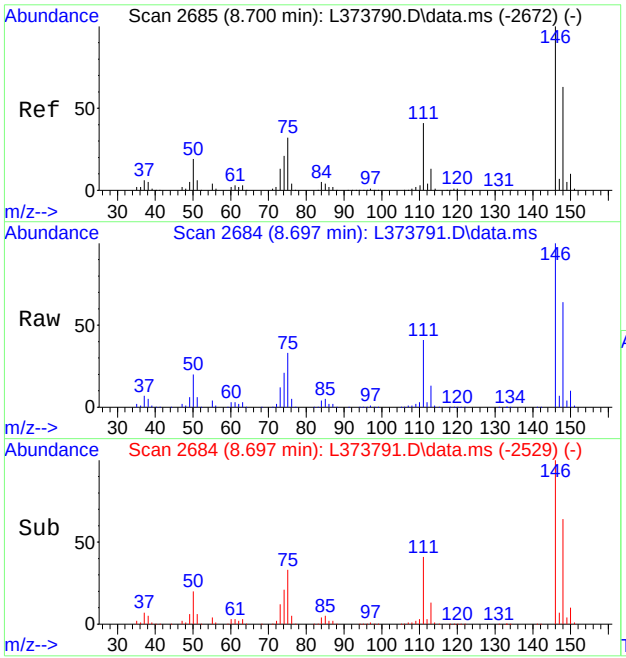


#108
sec-butylbenzene
Concen: 100.31 ug/L
RT: 8.585 min Scan# 2649
Delta R.T. -0.000 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion:105 Resp: 1133201

Ion	Ratio	Lower	Upper
105	100		
134	19.0	0.0	48.8
91	16.6	0.0	45.9

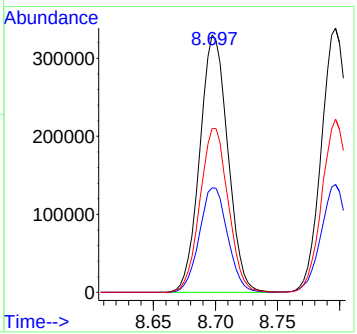


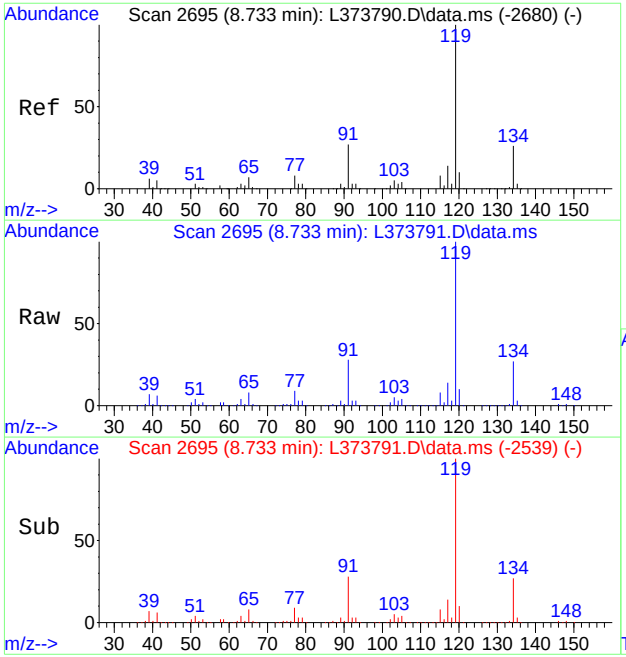


#109
1,3-dichlorobenzene
Concen: 94.29 ug/L
RT: 8.697 min Scan# 2684
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion:146 Resp: 518969

Ion	Ratio	Lower	Upper
146	100		
111	40.6	11.0	71.0
148	63.6	33.0	93.0

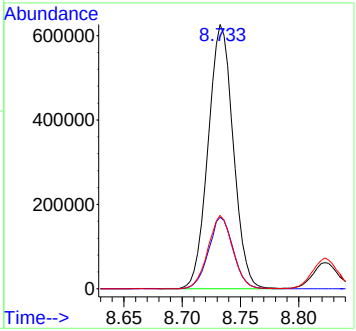


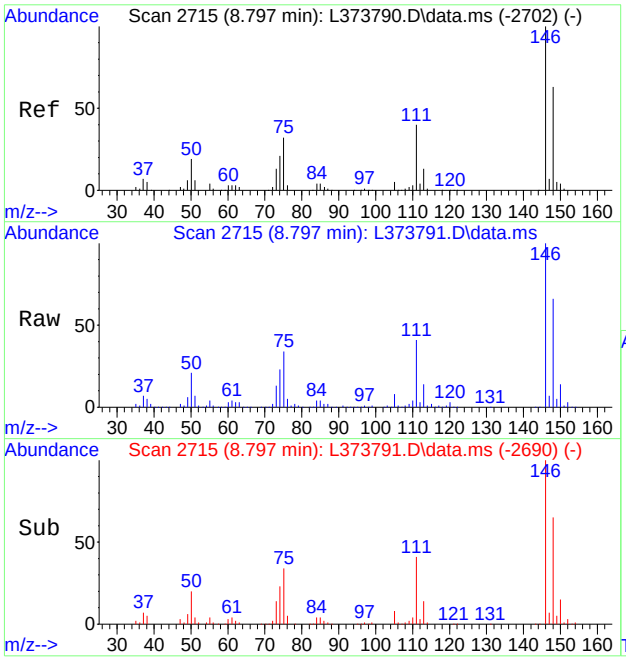


#110
p-isopropyltoluene
Concen: 100.52 ug/L
RT: 8.733 min Scan# 2695
Delta R.T. -0.000 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion:119 Resp: 938813

Ion	Ratio	Lower	Upper
119	100		
134	27.0	0.0	56.5
91	27.7	0.0	56.9

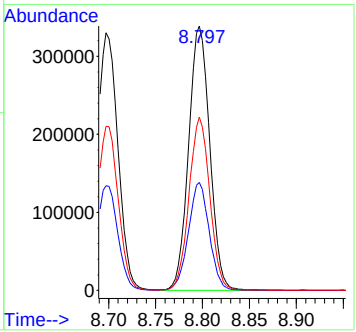


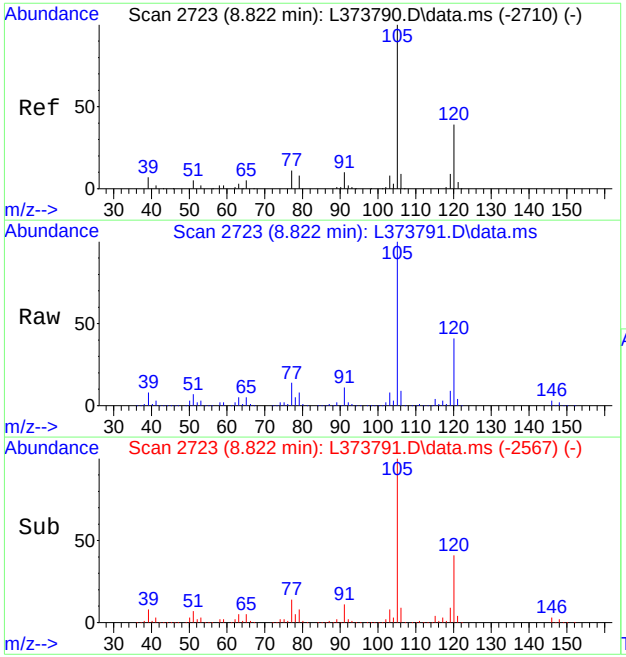


#111
1,4-dichlorobenzene
Concen: 93.20 ug/L
RT: 8.797 min Scan# 2715
Delta R.T. -0.000 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion:146 Resp: 531534

Ion	Ratio	Lower	Upper
146	100		
111	40.8	9.7	69.7
148	65.5	33.0	93.0

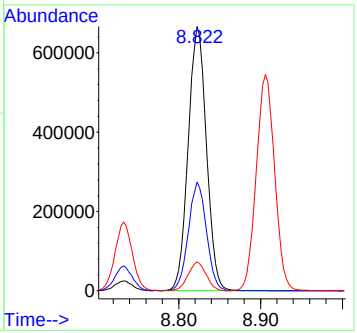


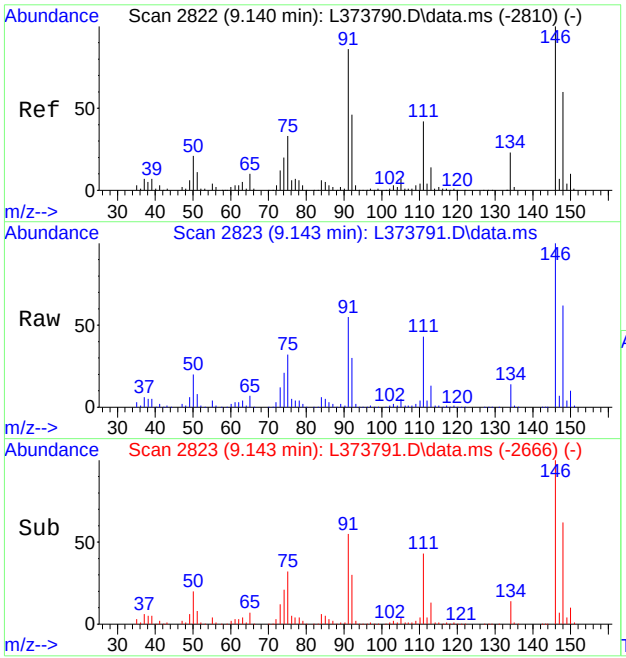


#112
1,2,3-trimethylbenzene
Concen: 97.33 ug/L
RT: 8.822 min Scan# 2723
Delta R.T. -0.000 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion:105 Resp: 1034886

Ion	Ratio	Lower	Upper
105	100		
120	41.1	8.8	68.8
91	10.8	0.0	40.2

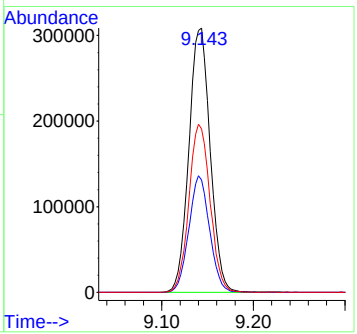


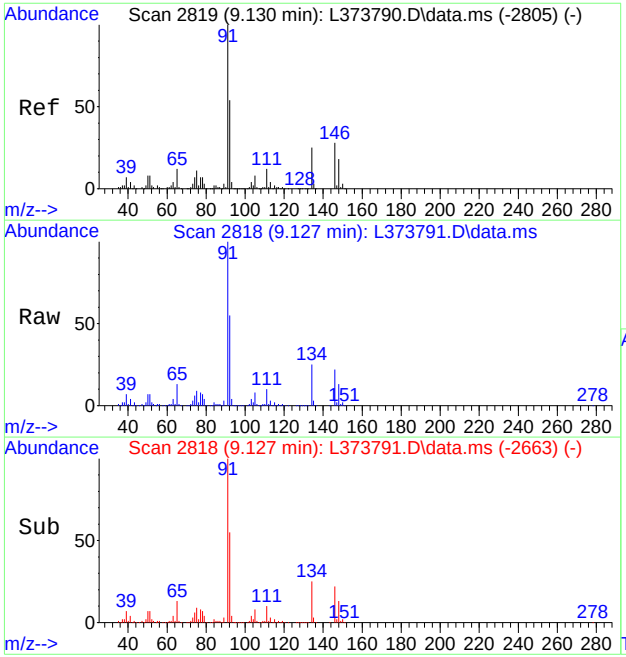


#113
1,2-dichlorobenzene
Concen: 94.39 ug/L
RT: 9.143 min Scan# 2823
Delta R.T. 0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion:146 Resp: 499131

Ion	Ratio	Lower	Upper
146	100		
111	42.5	12.1	72.1
148	61.8	30.4	90.4

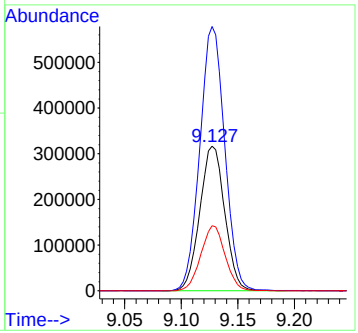


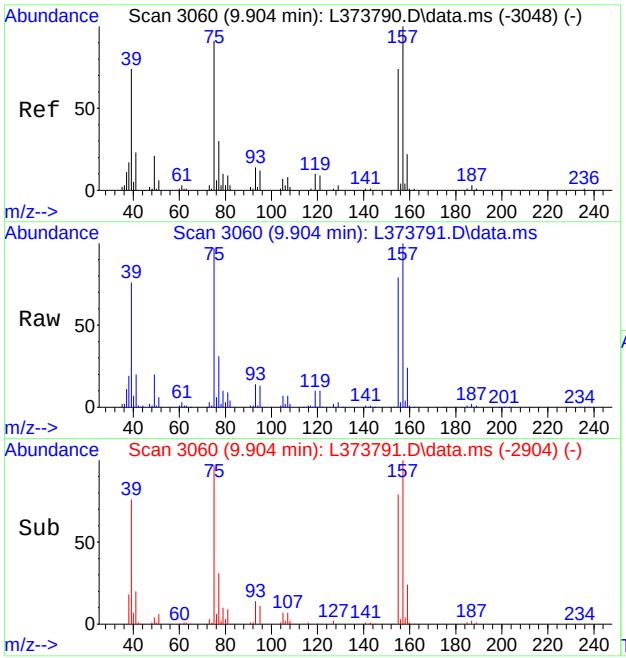


#114
n-butylbenzene
Concen: 104.90 ug/L
RT: 9.127 min Scan# 2818
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 92 Resp: 483729

Ion	Ratio	Lower	Upper
92	100		
91	182.6	155.4	215.4
134	45.0	15.6	75.6

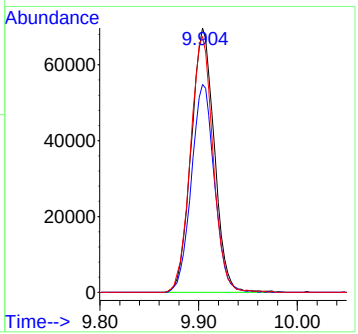


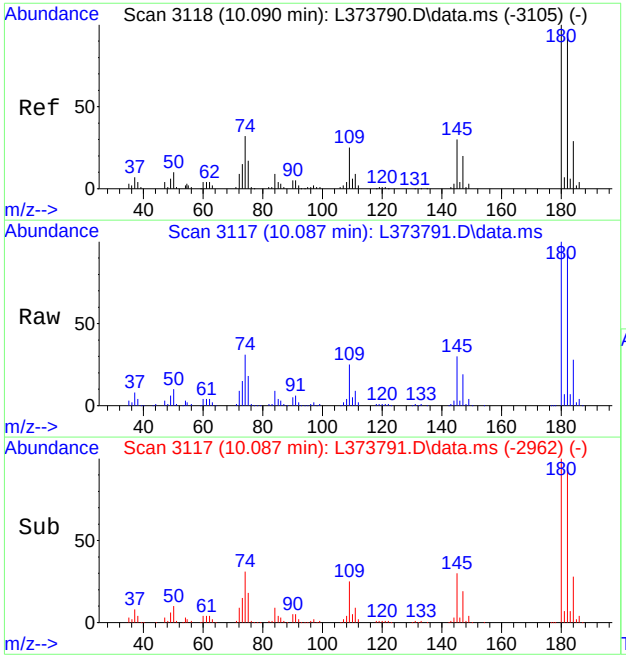


#115
1,2-dibromo-3-chloropropane
Concen: 94.01 ug/L
RT: 9.904 min Scan# 3060
Delta R.T. -0.000 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion:157 Resp: 113713

Ion	Ratio	Lower	Upper
157	100		
155	78.7	44.1	104.1
75	96.8	60.9	120.9

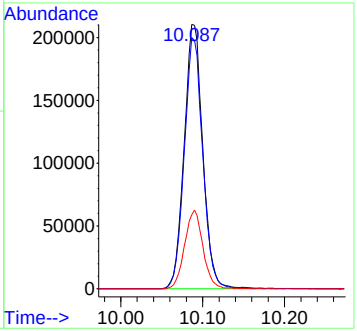


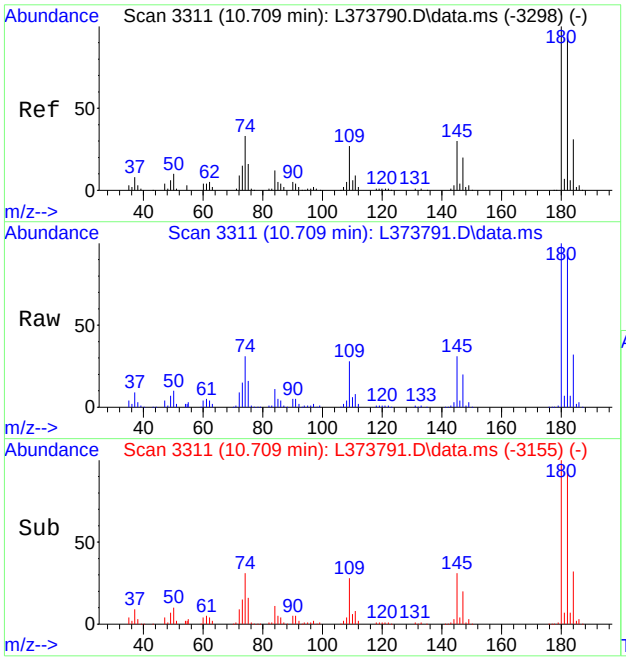


#116
1,3,5-trichlorobenzene
Concen: 100.32 ug/L
RT: 10.087 min Scan# 3117
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion:180 Resp: 334298

Ion	Ratio	Lower	Upper
180	100		
182	95.0	65.0	125.0
184	28.0	0.0	59.4

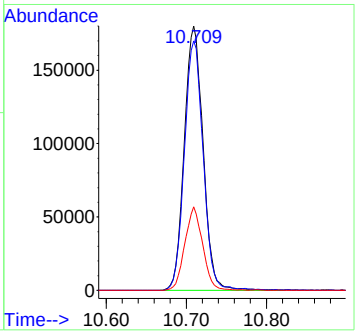


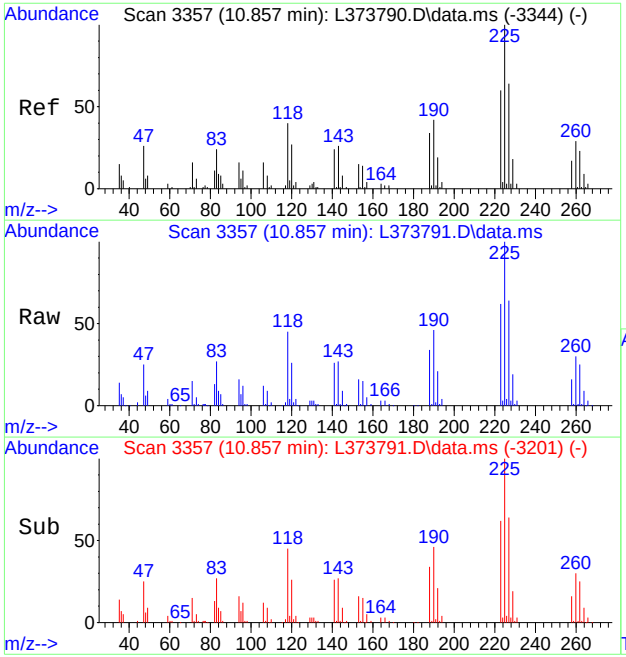


#117
1,2,4-trichlorobenzene
Concen: 100.36 ug/L
RT: 10.709 min Scan# 3311
Delta R.T. -0.000 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion:180 Resp: 293851

Ion	Ratio	Lower	Upper
180	100		
182	94.4	63.1	123.1
184	31.6	0.8	60.8

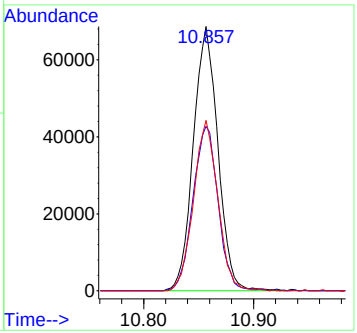


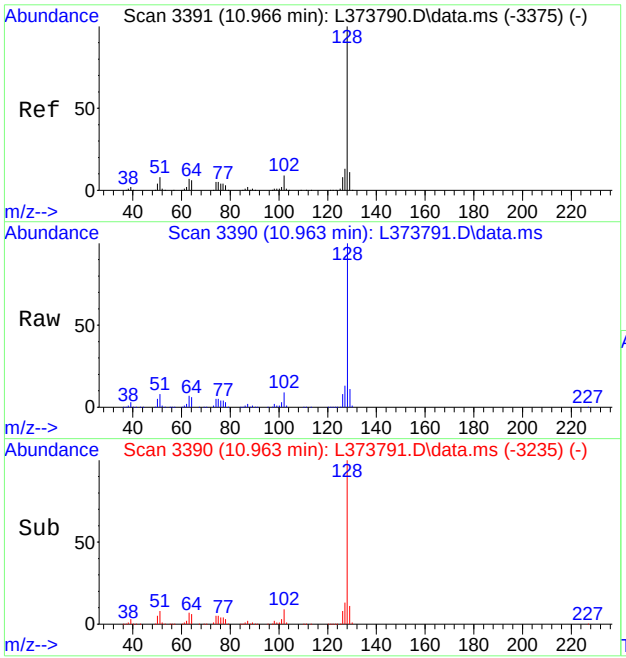


#118
hexachlorobutadiene
Concen: 96.48 ug/L
RT: 10.857 min Scan# 3357
Delta R.T. -0.000 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion:225 Resp: 106607

Ion	Ratio	Lower	Upper
225	100		
223	62.3	30.0	90.0
227	64.5	33.8	93.8

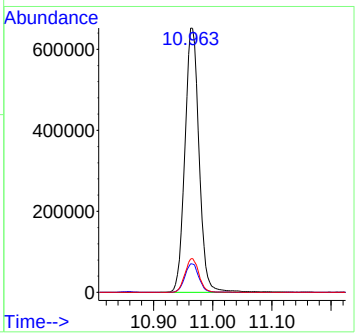


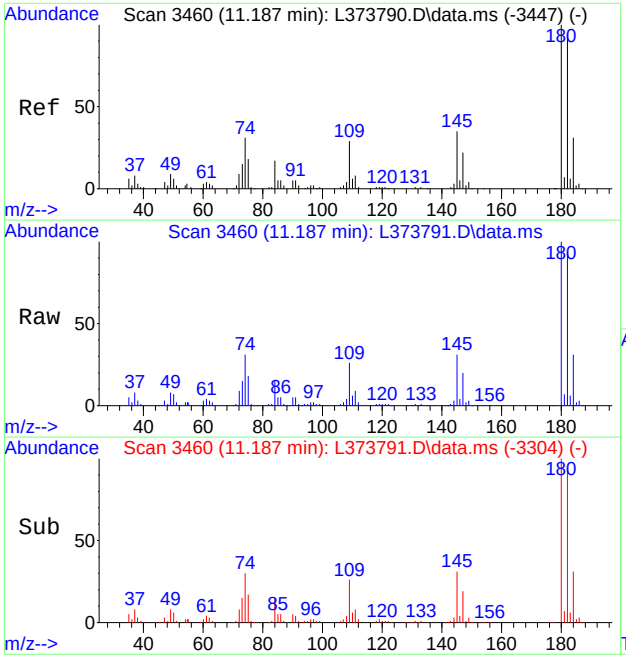


#119
naphthalene
Concen: 99.53 ug/L
RT: 10.963 min Scan# 3390
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion:128 Resp: 1087579

Ion	Ratio	Lower	Upper
128	100		
129	10.9	0.0	41.1
127	12.6	0.0	42.9

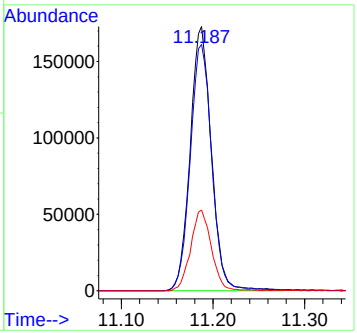


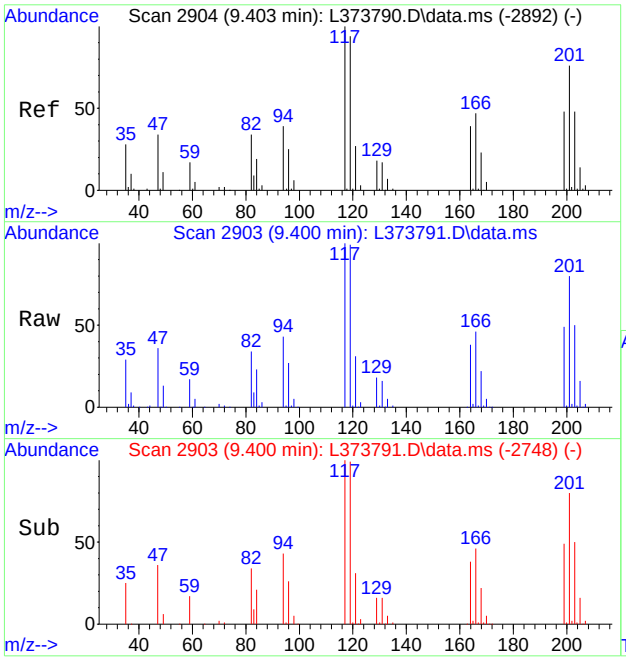


#120
1,2,3-trichlorobenzene
Concen: 98.70 ug/L
RT: 11.187 min Scan# 3460
Delta R.T. -0.000 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion:180 Resp: 277551

Ion	Ratio	Lower	Upper
180	100		
182	93.1	63.9	123.9
184	30.5	1.2	61.2

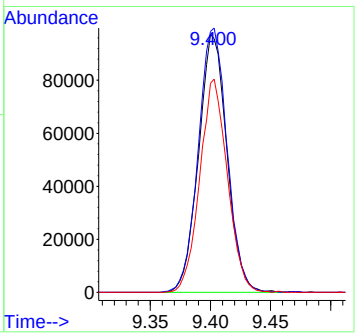


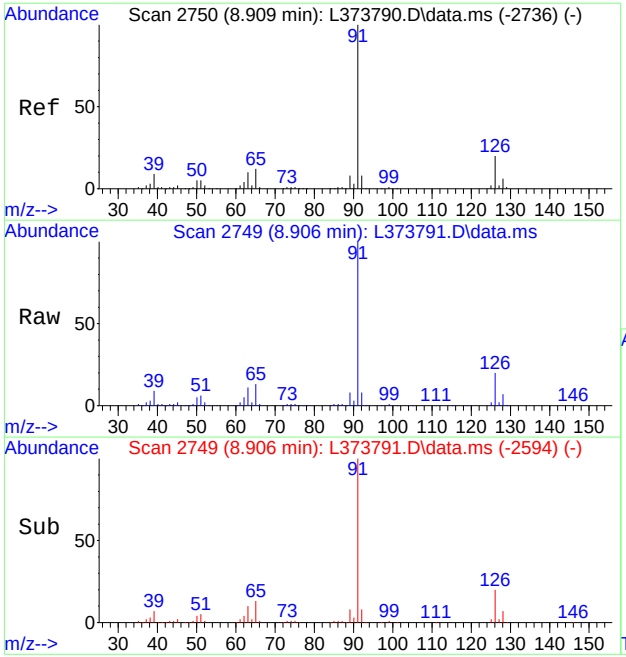


#121
hexachloroethane
Concen: 116.60 ug/L
RT: 9.400 min Scan# 2903
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion:119 Resp: 159414

Ion	Ratio	Lower	Upper
119	100		
117	101.1	76.2	136.2
201	81.0	51.2	111.2

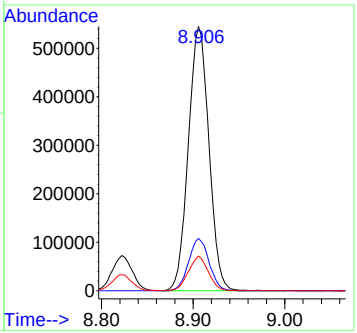


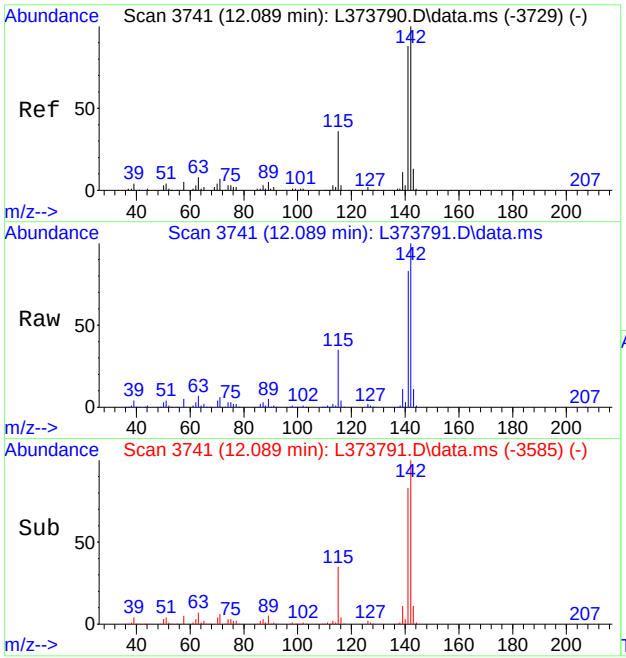


#122
benzyl chloride
Concen: 97.28 ug/L
RT: 8.906 min Scan# 2749
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 91 Resp: 849641

Ion	Ratio	Lower	Upper
91	100		
126	19.9	0.0	49.8
65	13.1	0.0	41.8

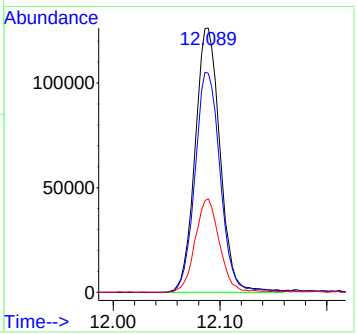




#123
2-methylnaphthalene
Concen: 48.09 ug/L
RT: 12.089 min Scan# 3741
Delta R.T. -0.000 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion:142 Resp: 205052

Ion	Ratio	Lower	Upper
142	100		
141	82.9	68.0	108.0
115	35.4	15.9	55.9



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373792.D
Acq On : 16 Oct 2025 9:47 pm
Operator : BridgetK
Sample : ic11472-200
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 17 13:40:16 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 13:39:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	2.613	65	336547	500.00	ug/L	0.00
5) pentafluorobenzene	3.746	168	260987	50.00	ug/L	0.00
51) 1,4-difluorobenzene	4.285	114	455934	50.00	ug/L	0.00
72) chlorobenzene-d5	6.608	117	354544	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	8.774	152	166852	50.00	ug/L	0.00
124) pentafluorobenzene(a)	3.746	168	260987	50.00	ug/L	0.00
131) 1,4-dichlorobenzene-d4(a)	8.774	152	166852	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	3.746	113	134932	49.53	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.06%			
52) 1,2-dichloroethane-d4 (s)	3.983	65	165329	49.85	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 99.70%			
73) toluene-d8 (s)	5.389	98	524581	51.02	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 102.04%			
97) 4-bromofluorobenzene (s)	7.677	95	182890	51.08	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 102.16%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.708	88	417521	4497.0444	ug/L	90
4) tertiary butyl alcohol	2.664	59	939904	903.2040	ug/L	97
6) chlorodifluoromethane	1.365	51	688117	179.8461	ug/L	98
7) dichlorodifluoromethane	1.349	85	788921	204.0870	ug/L	100
8) chloromethane	1.484	50	700693	188.8620	ug/L	99
9) vinyl chloride	1.554	62	718167	195.6048	ug/L	99
10) 1,3-butadiene	1.580	54	541338	159.3706	ug/L	98
12) chloroethane	1.824	64	239013	155.1859	ug/L	98
13) trichlorofluoromethane	1.987	101	989564	211.9633	ug/L	100
14) ethyl ether	2.157	74	303464	195.1636	ug/L	89
15) acrolein	2.250	56	141084	211.7563	ug/L	99
16) freon 113	2.311	151	400948	203.8153	ug/L	97
17) 1,1-dichloroethene	2.315	96	493481	200.7232	ug/L	96
18) acetone	2.334	58	386357	798.5859	ug/L	95
19) acetonitrile	2.510	40	743894	1962.2380	ug/L	100
20) iodomethane	2.417	142	506186	198.9085	ug/L	99
21) iso-butyl alcohol	3.906	43	654364	1989.3070	ug/L	95
22) carbon disulfide	2.469	76	1469702	190.0562	ug/L	99
23) methylene chloride	2.619	84	569532	187.7038	ug/L	93
24) methyl acetate	2.520	74	156755	205.1015	ug/L	99
25) methyl tert butyl ether	2.777	73	1740568	214.0103	ug/L	98
26) trans-1,2-dichloroethene	2.786	96	562835	201.3414	ug/L	96
27) hexane	2.953	57	761498	220.5220	ug/L	99
28) di-isopropyl ether	3.066	45	1824371	214.2947	ug/L	94
29) ethyl tert-butyl ether	3.297	59	1897318	216.9735	ug/L	99
30) 2-butanone	3.409	72	536199	881.0545	ug/L	94
31) 1,1-dichloroethane	3.062	63	1065210	201.7259	ug/L	99
32) chloroprene	3.110	53	990275	217.9766	ug/L	98
33) acrylonitrile	2.761	53	304593	208.9990	ug/L	98
34) vinyl acetate	3.046	86	142488	206.2161	ug/L #	82
35) ethyl acetate	3.422	45	158146	210.0503	ug/L	96
36) 2,2-dichloropropane	3.435	77	950713	199.8327	ug/L	99
37) cis-1,2-dichloroethene	3.428	96	603189	196.3835	ug/L	94
38) propionitrile	3.457	54	1637302	1974.7244	ug/L	76
39) methyl acrylate	3.460	85	142801	220.3030	ug/L #	85
40) bromochloromethane	3.585	128	250894	185.4895	ug/L	97
41) tetrahydrofuran	3.595	72	155050	204.4462	ug/L	92
42) chloroform	3.643	83	1084833	185.1295	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373792.D
Acq On : 16 Oct 2025 9:47 pm
Operator : BridgetK
Sample : ic11472-200
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 17 13:40:16 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 13:39:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
44) methacrylonitrile	3.553	67	370730	209.6577 ug/L	100
45) 1,1,1-trichloroethane	3.768	97	950680	204.8885 ug/L	96
46) cyclohexane	3.820	84	817470	212.0194 ug/L	97
47) 1,1-dichloropropene	3.871	75	821343	218.2755 ug/L	99
48) carbon tetrachloride	3.874	117	804365	212.6692 ug/L	100
49) isopropyl acetate	4.003	87	178150	212.2359 ug/L #	92
50) tert amyl alcohol	3.986	55	293626	893.5480 ug/L	95
53) tert-amyl methyl ether	4.076	73	1824195	205.5578 ug/L	98
54) 2,2,4-trimethylpentane	4.076	57	1381705	209.2013 ug/L	99
55) n-butyl alcohol	4.368	56	2391785	9170.2681 ug/L	98
56) benzene	4.009	78	2281932	192.3475 ug/L	99
57) heptane	4.189	57	294128	210.0692 ug/L	94
58) 1,2-dichloroethane	4.038	62	881368	195.1671 ug/L	98
59) trichloroethene	4.465	95	623736	208.8254 ug/L	98
60) ethyl acrylate	4.497	55	1059883	198.2723 ug/L	99
61) 2-nitropropane	5.004	41	326659	205.9448 ug/L	95
62) 2-chloroethyl vinyl ether	5.039	63	1121167	1091.5877 ug/L	97
63) methyl methacrylate	4.670	100	205407	207.4535 ug/L	92
64) 1,2-dichloropropane	4.654	63	603429	199.2652 ug/L	100
65) methylcyclohexane	4.641	83	878953	214.6656 ug/L	95
66) dibromomethane	4.721	93	401334	192.3611 ug/L	97
67) bromodichloromethane	4.843	83	854016	197.6133 ug/L	98
68) cis-1,3-dichloropropene	5.174	75	982325	202.7748 ug/L	95
69) epichlorohydrin	5.087	57	586835	950.2670 ug/L	90
70) 4-methyl-2-pentanone	5.276	58	1440541	756.6521 ug/L	98
71) 3-methyl-1-butanol	5.318	70	868238	3562.7657 ug/L	97
74) toluene	5.443	92	1408996	193.6110 ug/L	97
75) trans-1,3-dichloropropene	5.620	75	946122	208.5146 ug/L	98
76) ethyl methacrylate	5.652	69	850531	185.5189 ug/L	100
77) 1,1,2-trichloroethane	5.783	83	474587	196.6934 ug/L	94
78) 2-hexanone	5.954	58	1503719	727.1046 ug/L	99
79) tetrachloroethene	5.867	166	579662	198.3013 ug/L	98
80) 1,3-dichloropropane	5.921	76	933966	200.8510 ug/L	99
81) butyl acetate	6.043	56	504149	184.9991 ug/L	100
82) dibromochloromethane	6.108	129	614451	197.4444 ug/L	97
83) 1,2-dibromoethane	6.213	107	589203	200.9916 ug/L	99
84) n-butyl ether	6.708	57	2319921	189.3751 ug/L	99
85) chlorobenzene	6.634	112	1457147	190.6989 ug/L	99
86) 1,1,1,2-tetrachloroethane	6.708	131	545052	210.7903 ug/L	99
87) ethylbenzene	6.714	91	2580263	193.5486 ug/L	99
88) m,p-xylene	6.830	106	1952160	380.2279 ug/L	99
89) o-xylene	7.179	106	951952	189.6231 ug/L	96
90) butyl acrylate	7.122	55	1325718	180.5346 ug/L	99
91) styrene	7.195	104	1641668	195.0272 ug/L	96
92) bromoform	7.362	173	462086	208.9320 ug/L	98
93) n-amyl acetate	7.330	70	487433	177.3686 ug/L	97
94) isopropylbenzene	7.513	105	2391159	197.3397 ug/L	99
95) cis-1,4-dichloro-2-butene	7.571	88	269991	261.7416 ug/L	97
98) bromobenzene	7.808	156	579167	195.5937 ug/L	99
99) 1,1,2,2-tetrachloroethane	7.802	83	858222	191.3210 ug/L	98
100) trans-1,4-dichloro-2-b...	7.837	53	233197	259.3433 ug/L	94
101) 1,2,3-trichloropropane	7.853	110	260284	194.1706 ug/L	97
102) n-propylbenzene	7.901	91	2896701	202.4121 ug/L	100
103) 2-chlorotoluene	7.988	126	548436	197.4827 ug/L	97
104) 4-chlorotoluene	8.104	126	571151	193.9016 ug/L	93
105) 1,3,5-trimethylbenzene	8.075	105	2000229	200.7987 ug/L	97
106) tert-butylbenzene	8.370	119	1547133	196.8939 ug/L	96
107) 1,2,4-trimethylbenzene	8.431	105	2041030	202.8374 ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373792.D
Acq On : 16 Oct 2025 9:47 pm
Operator : BridgetK
Sample : ic11472-200
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 17 13:40:16 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 13:39:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) sec-butylbenzene	8.585	105	2327396	204.0303	ug/L	99
109) 1,3-dichlorobenzene	8.700	146	1053931	192.4625	ug/L	99
110) p-isopropyltoluene	8.732	119	1919614	203.5526	ug/L	99
111) 1,4-dichlorobenzene	8.800	146	1073335	189.7342	ug/L	99
112) 1,2,3-trimethylbenzene	8.826	105	2063417	194.1091	ug/L	96
113) 1,2-dichlorobenzene	9.143	146	1010128	192.0253	ug/L	97
114) n-butylbenzene	9.127	92	982510	209.1242	ug/L	98
115) 1,2-dibromo-3-chloropr...	9.904	157	240836	199.3237	ug/L	96
116) 1,3,5-trichlorobenzene	10.090	180	723235	213.6323	ug/L	99
117) 1,2,4-trichlorobenzene	10.712	180	651975	218.5100	ug/L	100
118) hexachlorobutadiene	10.860	225	246050	219.4434	ug/L	98
119) naphthalene	10.966	128	2318752	209.6217	ug/L	100
120) 1,2,3-trichlorobenzene	11.187	180	595178	209.3266	ug/L	99
121) hexachloroethane	9.403	119	340927	237.0262	ug/L	98
122) benzyl chloride	8.906	91	1730767	197.7586	ug/L	98
123) 2-methylnaphthalene	12.089	142	422587	99.0226	ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

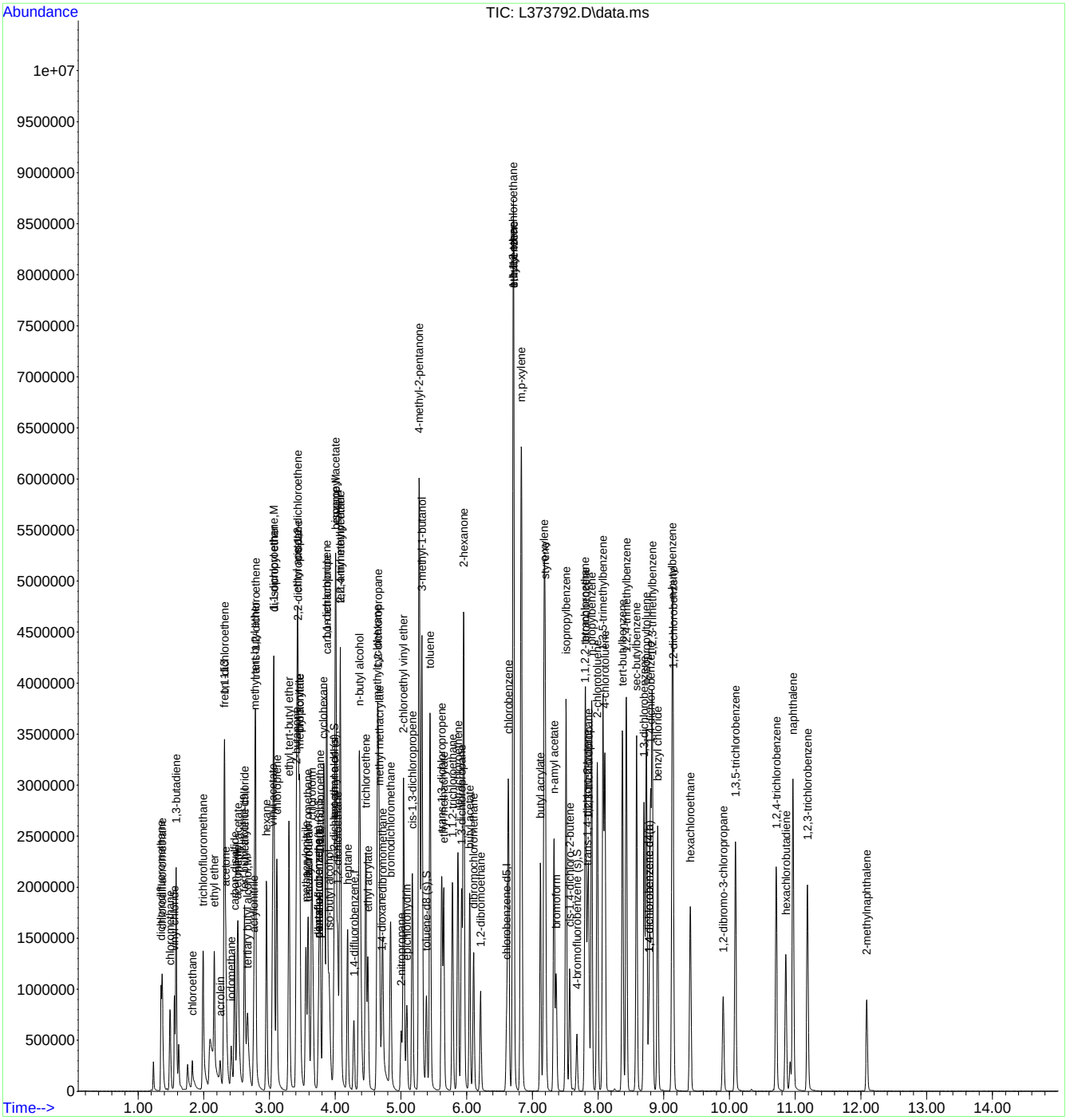
7.6.38

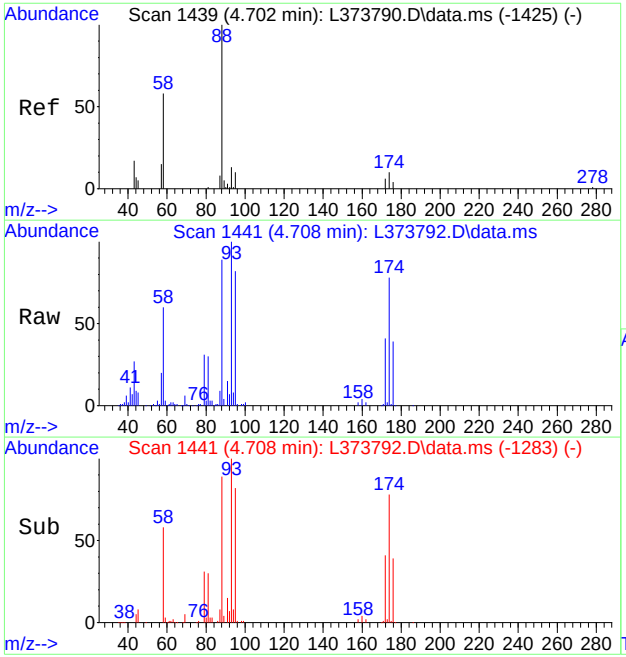
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373792.D
Acq On : 16 Oct 2025 9:47 pm
Operator : BridgetK
Sample : ic11472-200
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 17 13:40:16 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 13:39:16 2025
Response via : Initial Calibration

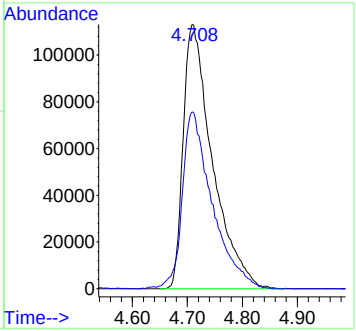


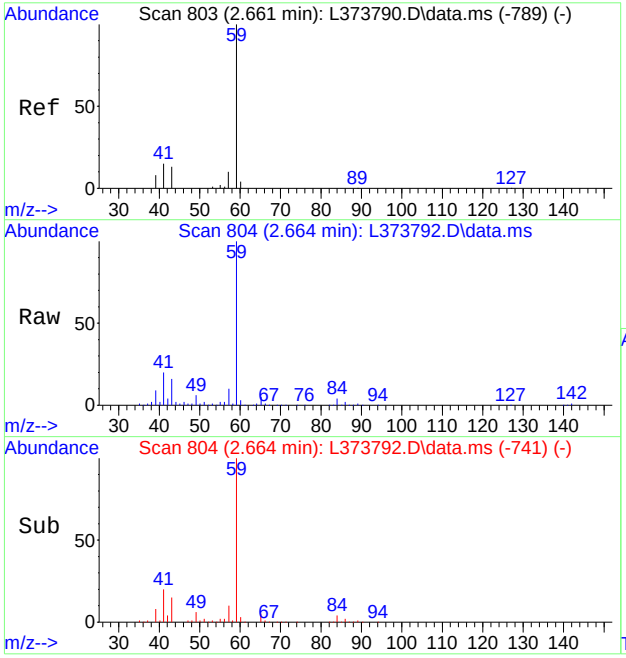


#2
1,4-dioxane
Concen: 4497.04 ug/L
RT: 4.708 min Scan# 1441
Delta R.T. 0.006 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 88 Resp: 417521

Ion	Ratio	Lower	Upper
88	100		
58	66.9	29.1	89.1

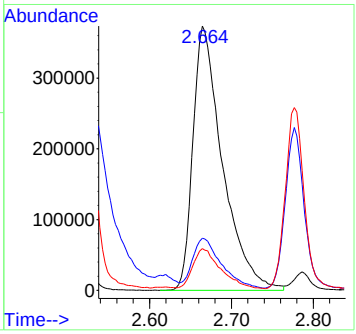


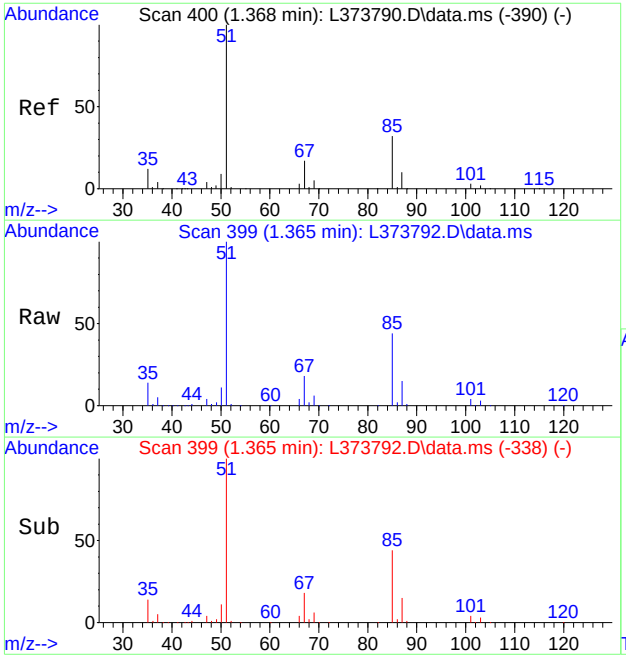


#4
tertiary butyl alcohol
Concen: 903.20 ug/L
RT: 2.664 min Scan# 804
Delta R.T. 0.003 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 59 Resp: 939904

Ion	Ratio	Lower	Upper
59	100		
41	14.0	0.0	45.3
43	14.6	0.0	43.5

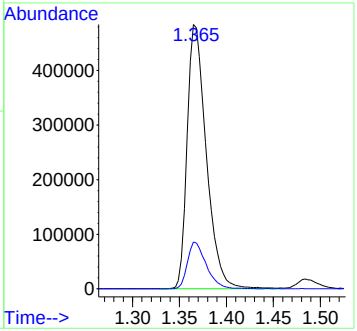


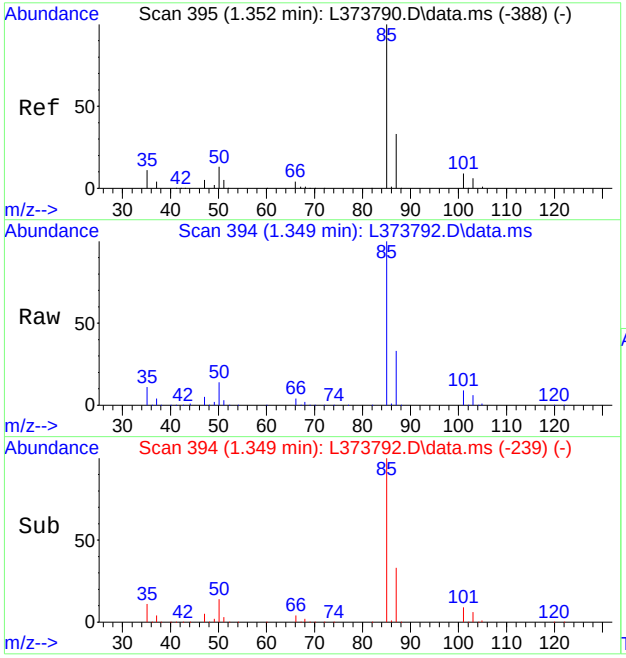


#6
chlorodifluoromethane
Concen: 179.85 ug/L
RT: 1.365 min Scan# 399
Delta R.T. -0.003 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 51 Resp: 688117

Ion	Ratio	Lower	Upper
51	100		
67	17.7	0.0	37.0

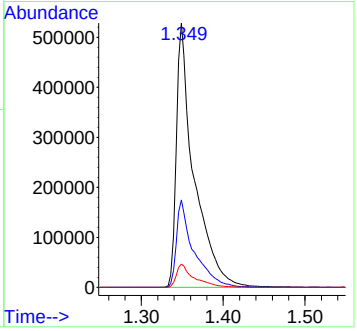


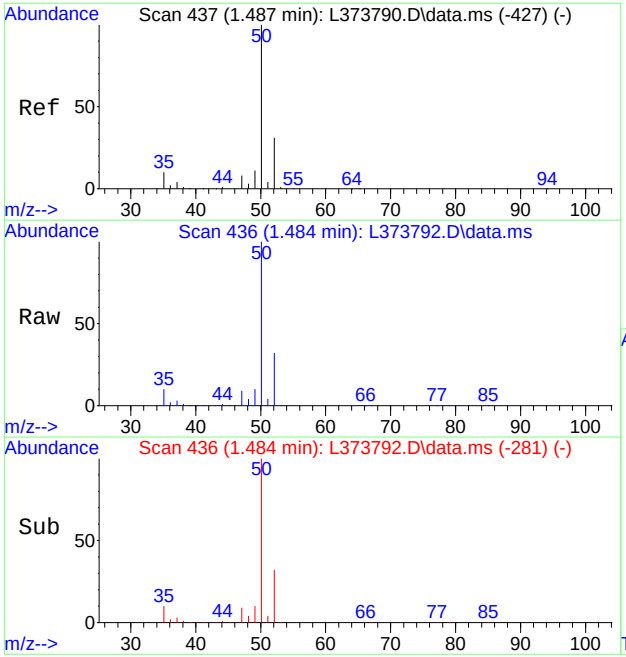


#7
dichlorodifluoromethane
Concen: 204.09 ug/L
RT: 1.349 min Scan# 394
Delta R.T. -0.003 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 85 Resp: 788921

Ion	Ratio	Lower	Upper
85	100		
87	33.1	2.8	62.8
101	8.8	0.0	38.9

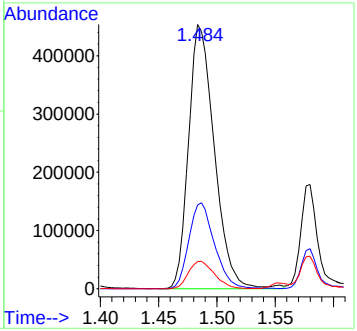


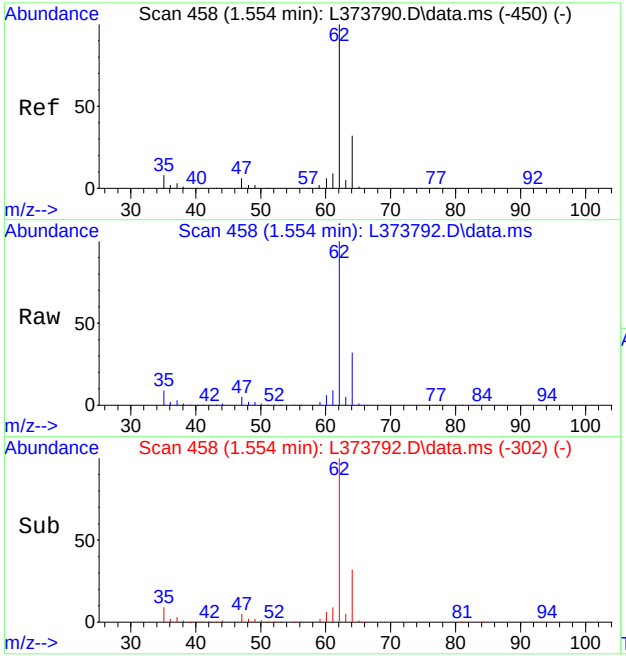


#8
chloromethane
Concen: 188.86 ug/L
RT: 1.484 min Scan# 436
Delta R.T. -0.003 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 50 Resp: 700693

Ion	Ratio	Lower	Upper
50	100		
52	31.7	1.5	61.5
49	10.3	0.0	41.1

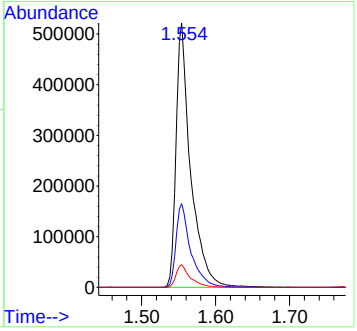


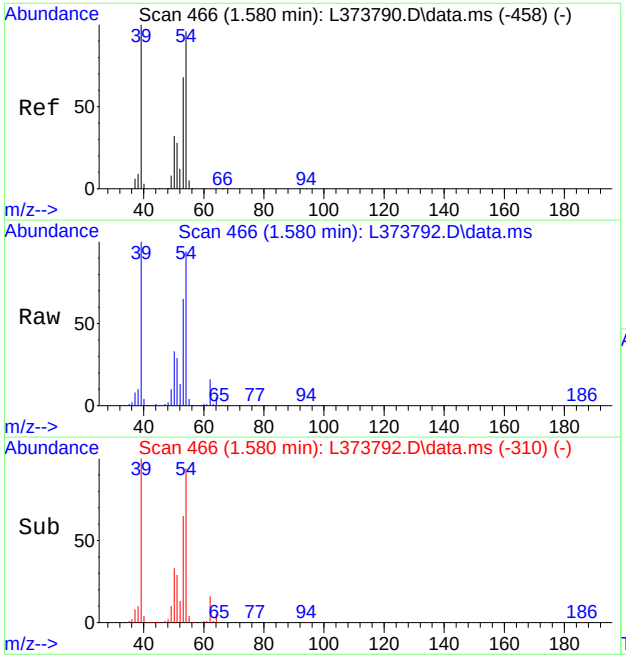


#9
vinyl chloride
Concen: 195.60 ug/L
RT: 1.554 min Scan# 458
Delta R.T. 0.000 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 62 Resp: 718167

Ion	Ratio	Lower	Upper
62	100		
64	31.7	2.2	62.2
61	8.6	0.0	38.5

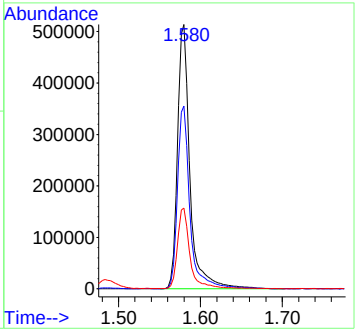


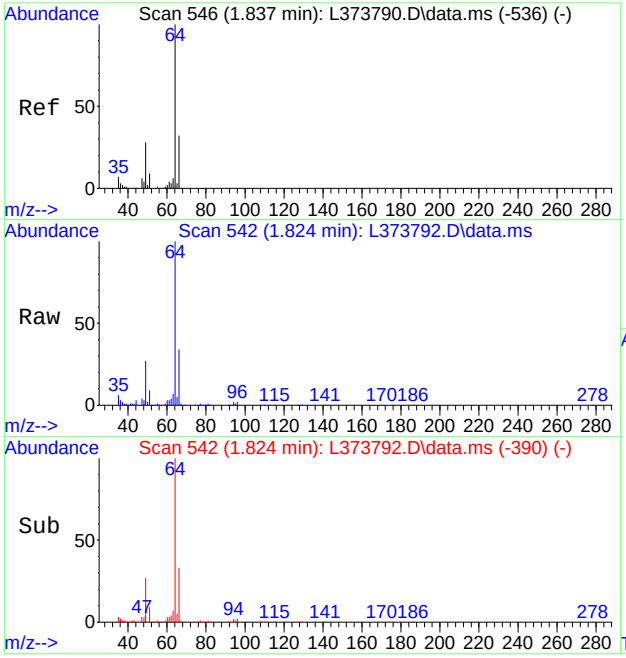


#10
1,3-butadiene
Concen: 159.37 ug/L
RT: 1.580 min Scan# 466
Delta R.T. -0.000 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 54 Resp: 541338

Ion	Ratio	Lower	Upper
54	100		
53	69.1	40.7	100.7
51	30.5	0.0	59.5

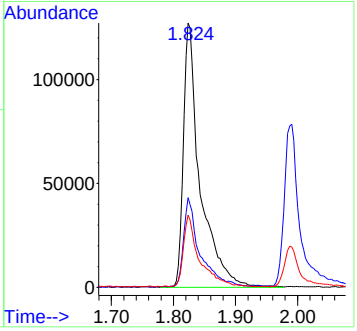


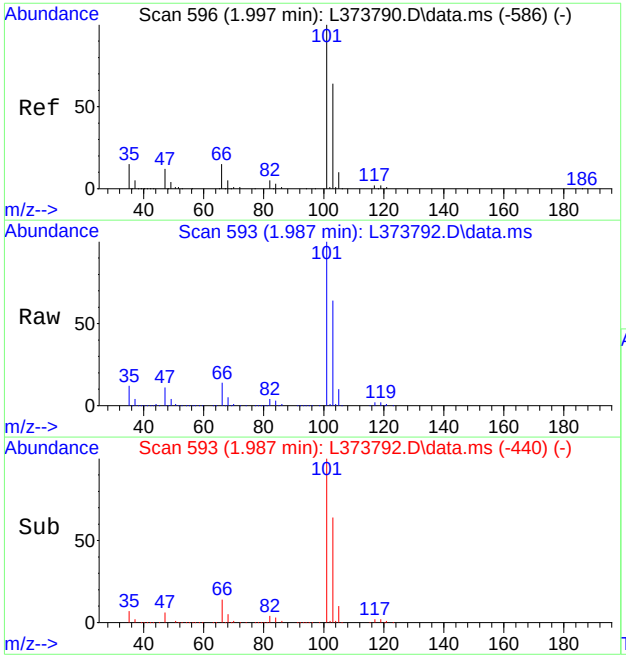


#12
chloroethane
Concen: 155.19 ug/L
RT: 1.824 min Scan# 542
Delta R.T. -0.013 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 64 Resp: 239013

Ion	Ratio	Lower	Upper
64	100		
66	33.6	1.8	61.8
49	27.1	0.0	57.7

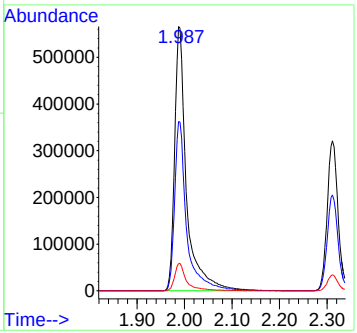


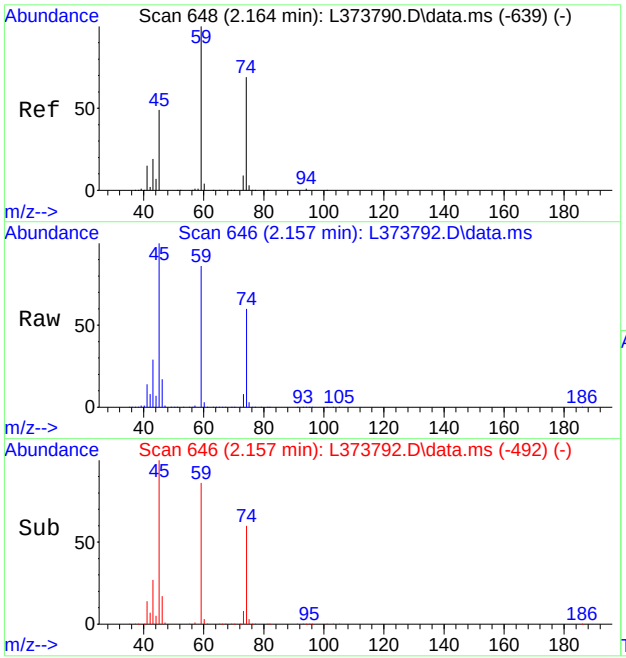


#13
trichlorofluoromethane
Concen: 211.96 ug/L
RT: 1.987 min Scan# 593
Delta R.T. -0.010 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion:101 Resp: 989564

Ion	Ratio	Lower	Upper
101	100		
103	64.0	33.8	93.8
105	10.3	0.0	40.0

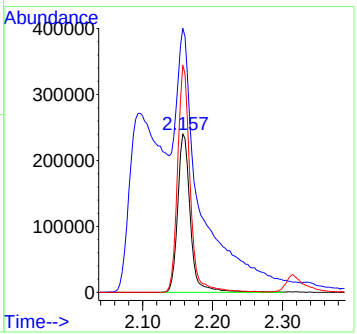


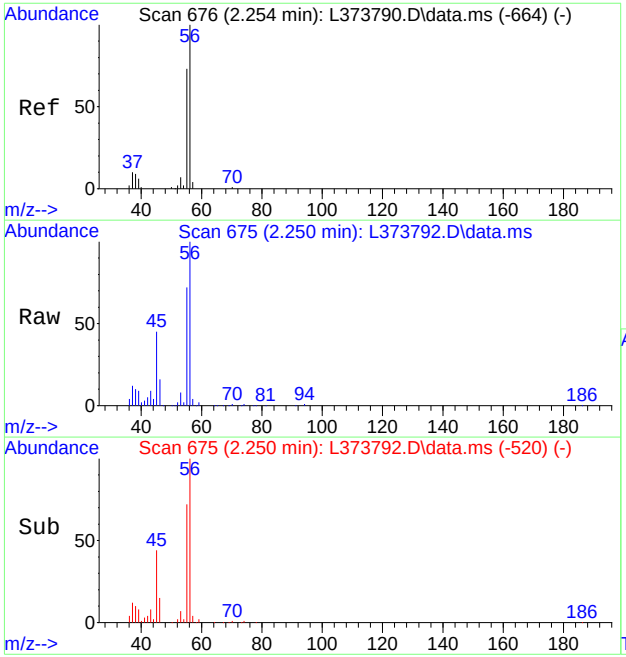


#14
ethyl ether
Concen: 195.16 ug/L
RT: 2.157 min Scan# 646
Delta R.T. -0.007 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 74 Resp: 303464

Ion	Ratio	Lower	Upper
74	100		
45	159.2	102.0	162.0
59	143.2	114.2	174.2

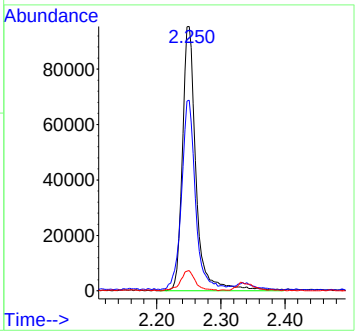


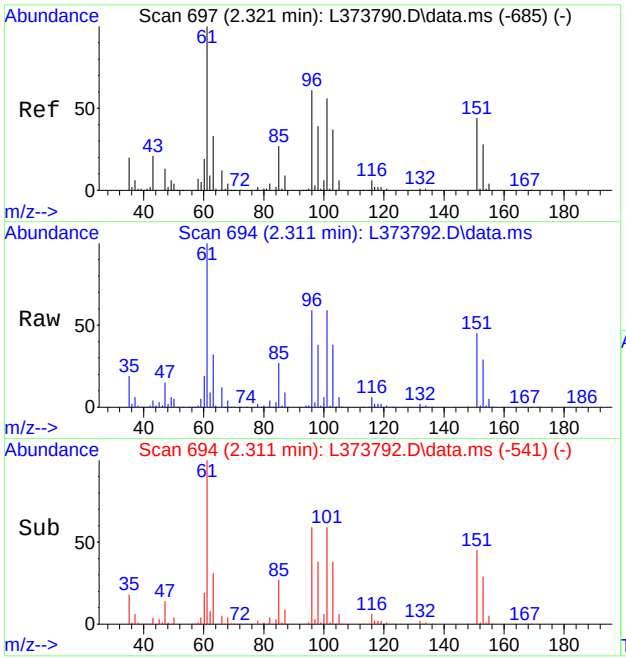


#15
acrolein
Concen: 211.76 ug/L
RT: 2.250 min Scan# 675
Delta R.T. -0.004 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 56 Resp: 141084

Ion	Ratio	Lower	Upper
56	100		
55	71.6	42.9	102.9
53	7.7	0.0	38.0

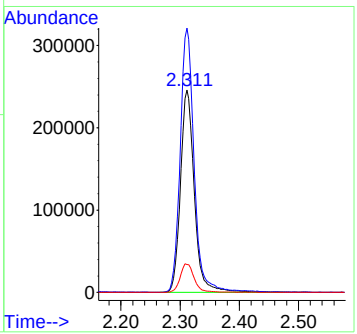


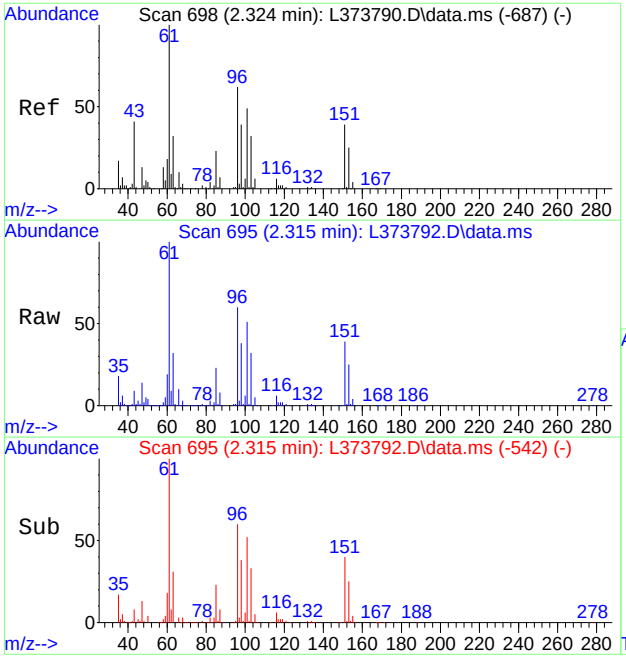


#16
freon 113
Concen: 203.82 ug/L
RT: 2.311 min Scan# 694
Delta R.T. -0.010 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion:151 Resp: 400948

Ion	Ratio	Lower	Upper
151	100		
101	130.6	107.4	147.4
116	13.8	0.0	33.9

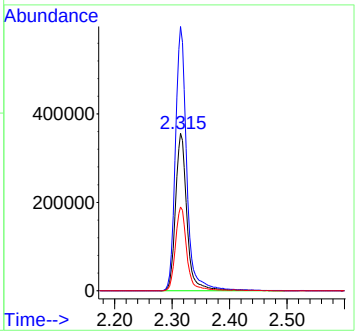


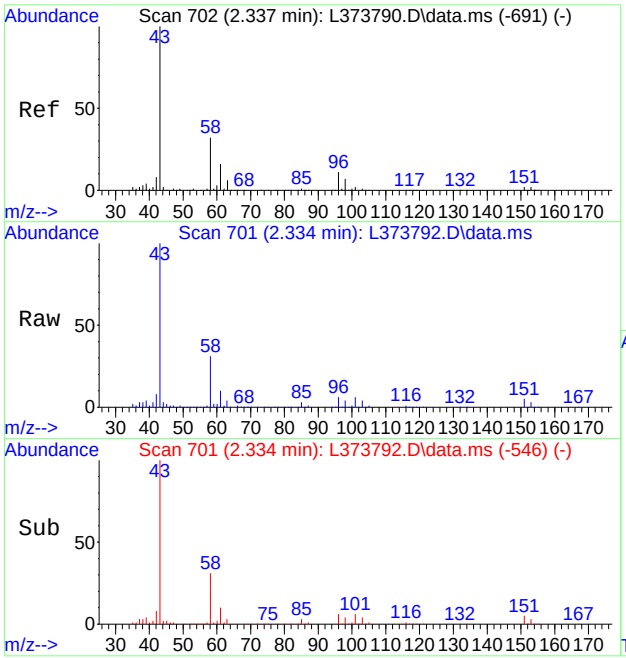


#17
1,1-dichloroethene
Concen: 200.72 ug/L
RT: 2.315 min Scan# 695
Delta R.T. -0.009 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 96 Resp: 493481

Ion	Ratio	Lower	Upper
96	100		
61	167.9	131.4	191.4
63	53.3	22.3	82.3

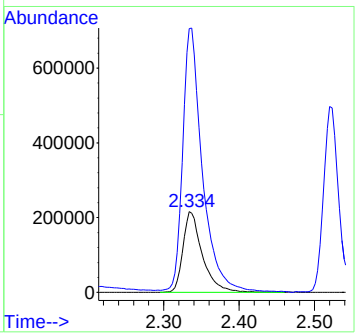


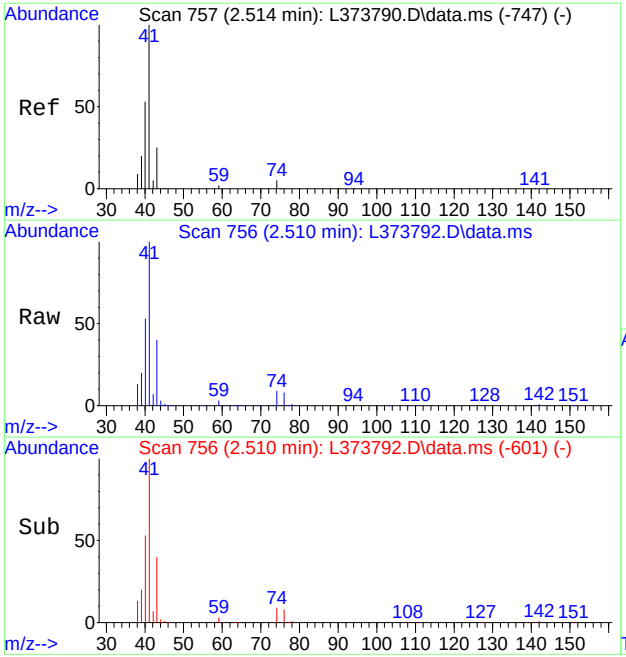


#18
acetone
Concen: 798.59 ug/L
RT: 2.334 min Scan# 701
Delta R.T. -0.003 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 58 Resp: 386357

Ion	Ratio	Lower	Upper
58	100		
43	325.9	286.5	346.5

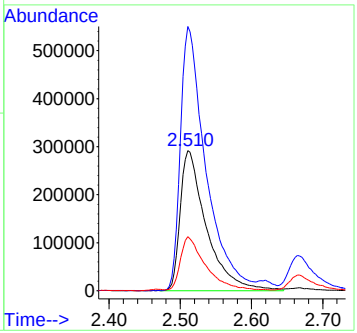


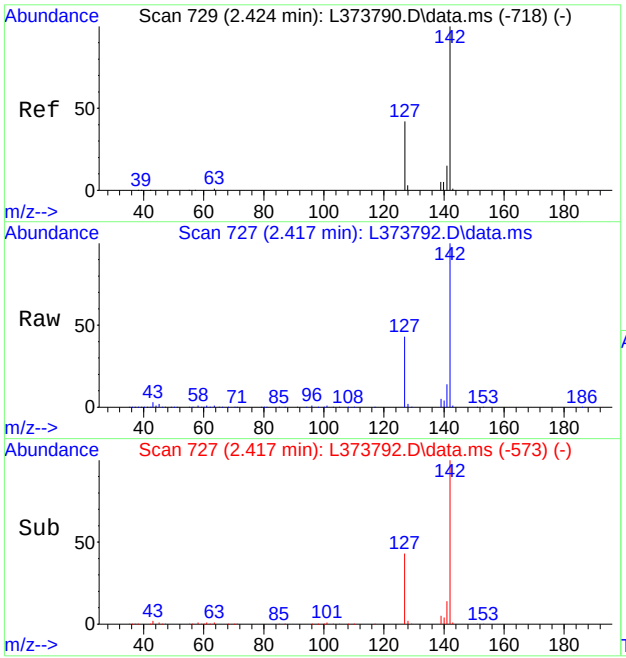


#19
acetonitrile
Concen: 1962.24 ug/L
RT: 2.510 min Scan# 756
Delta R.T. -0.004 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 40 Resp: 743894

Ion	Ratio	Lower	Upper
40	100		
41	188.5	158.5	218.5
39	37.6	8.2	68.2

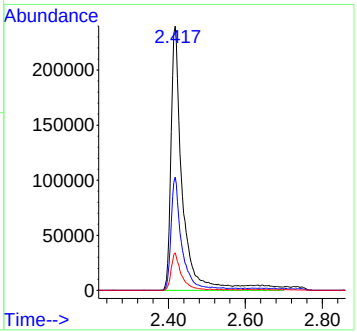


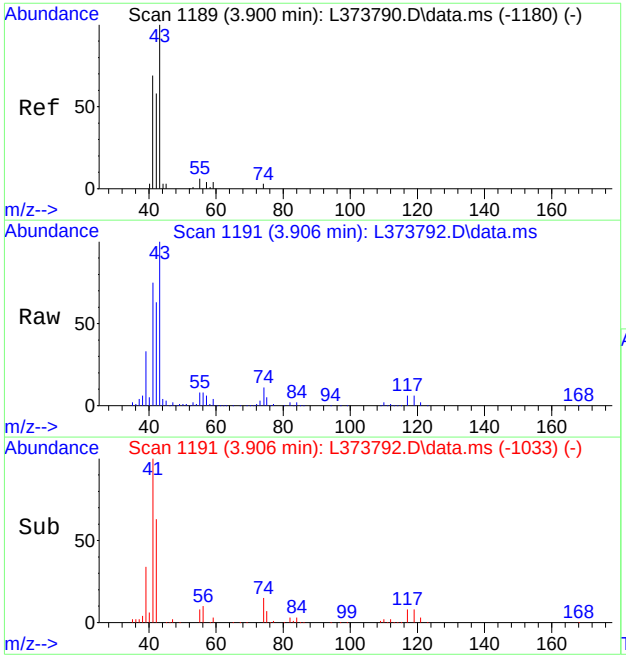


#20
iodomethane
Concen: 198.91 ug/L
RT: 2.417 min Scan# 727
Delta R.T. -0.007 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion:142 Resp: 506186

Ion	Ratio	Lower	Upper
142	100		
127	42.8	12.2	72.2
141	14.2	0.0	44.6

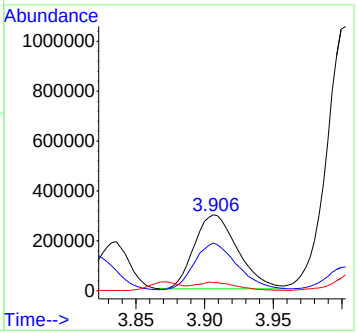


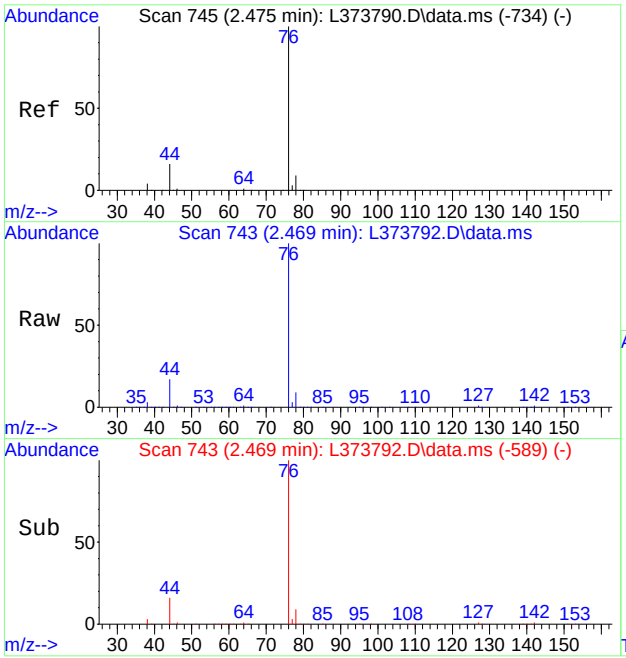


#21
iso-butyl alcohol
Concen: 1989.31 ug/L
RT: 3.906 min Scan# 1191
Delta R.T. 0.006 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 43 Resp: 654364

Ion	Ratio	Lower	Upper
43	100		
42	62.8	28.3	88.3
74	10.3	0.0	40.9

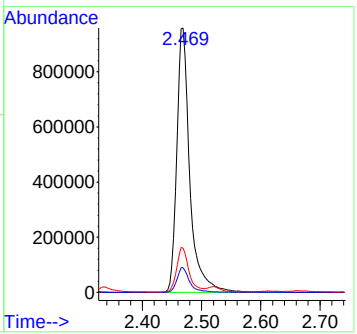


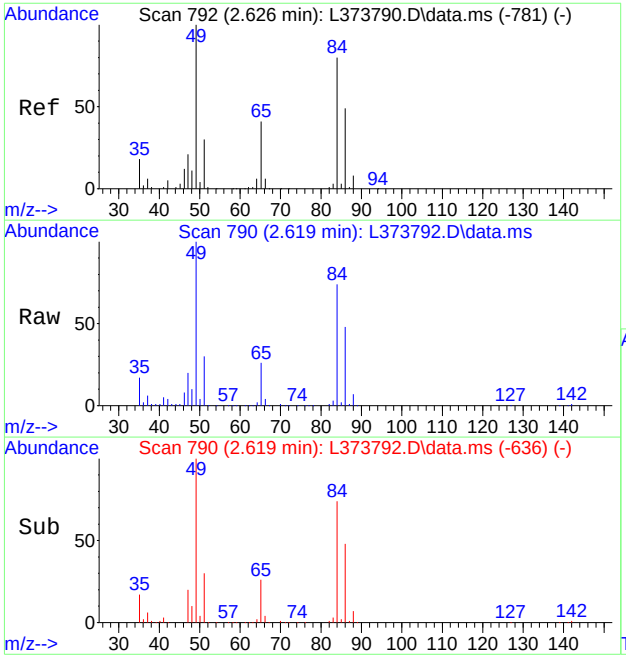


#22
carbon disulfide
Concen: 190.06 ug/L
RT: 2.469 min Scan# 743
Delta R.T. -0.006 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 76 Resp: 1469702

Ion	Ratio	Lower	Upper
76	100		
78	9.4	0.0	38.9
44	16.6	0.0	46.1

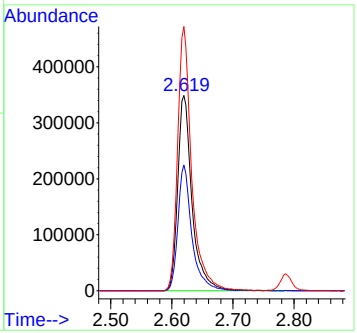


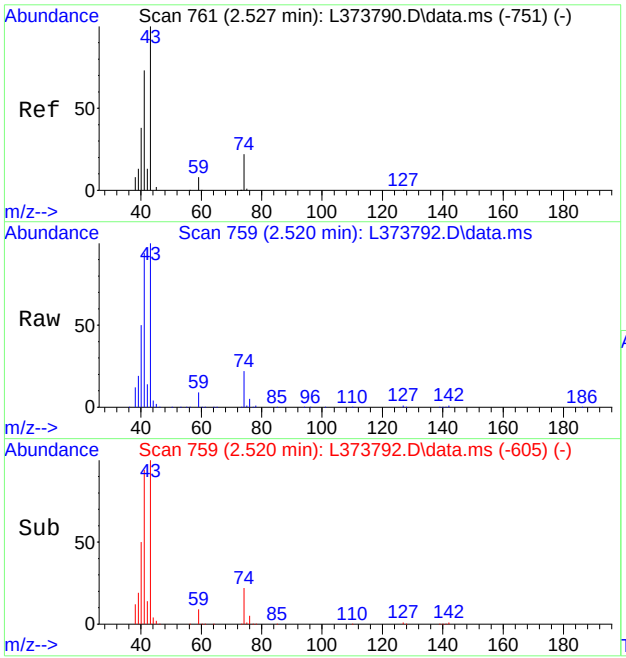


#23
methylene chloride
Concen: 187.70 ug/L
RT: 2.619 min Scan# 790
Delta R.T. -0.007 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 84 Resp: 569532

Ion	Ratio	Lower	Upper
84	100		
86	64.4	31.2	91.2
49	135.3	95.6	155.6

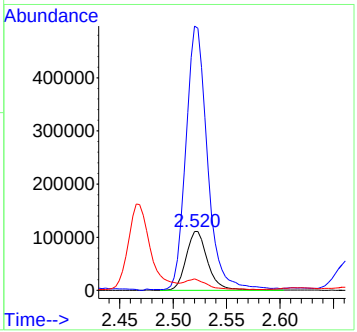


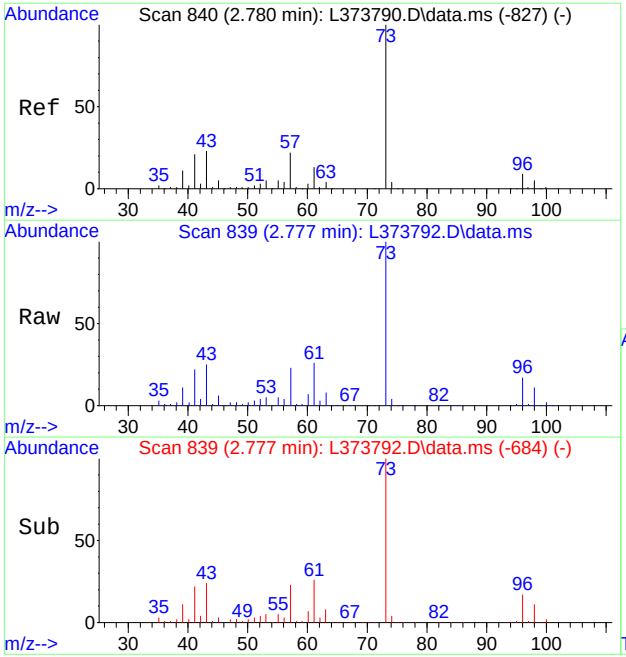


#24
methyl acetate
Concen: 205.10 ug/L
RT: 2.520 min Scan# 759
Delta R.T. -0.007 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 74 Resp: 156755

Ion	Ratio	Lower	Upper
74	100		
43	447.0	417.7	477.7
44	16.1	0.0	39.0

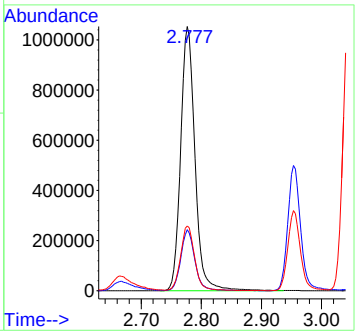


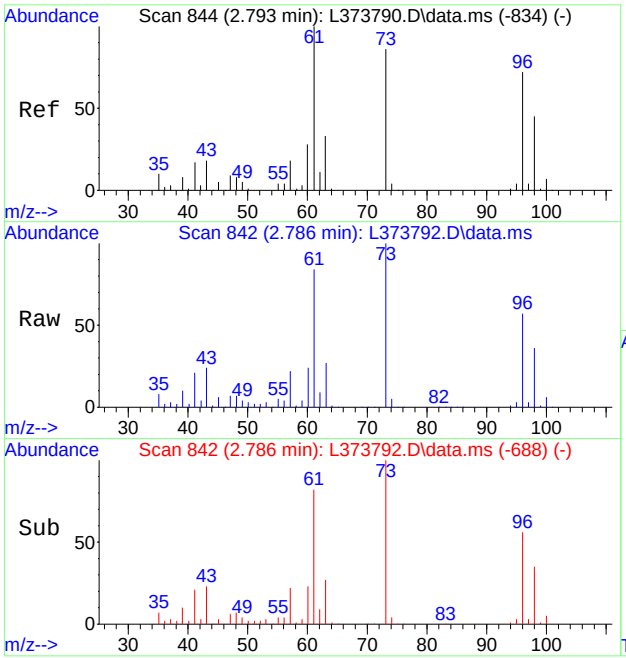


#25
methyl tert butyl ether
Concen: 214.01 ug/L
RT: 2.777 min Scan# 839
Delta R.T. -0.003 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 73 Resp: 1740568

Ion	Ratio	Lower	Upper
73	100		
57	22.9	0.0	52.4
43	24.2	0.0	52.7

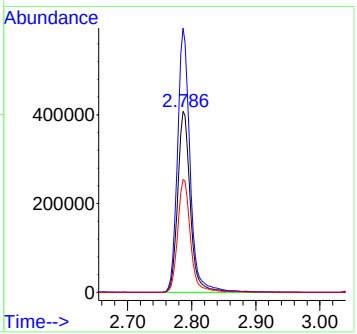


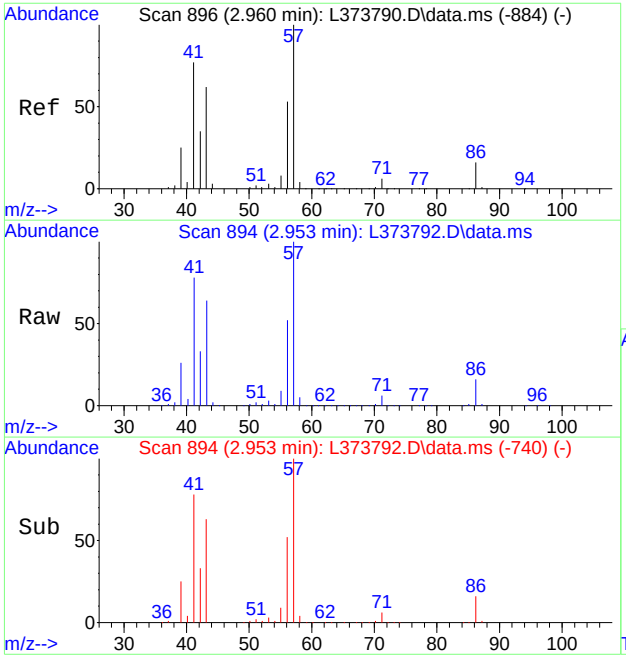


#26
trans-1,2-dichloroethene
Concen: 201.34 ug/L
RT: 2.786 min Scan# 842
Delta R.T. -0.007 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 96 Resp: 562835

Ion	Ratio	Lower	Upper
96	100		
61	146.1	109.1	169.1
98	62.5	32.0	92.0

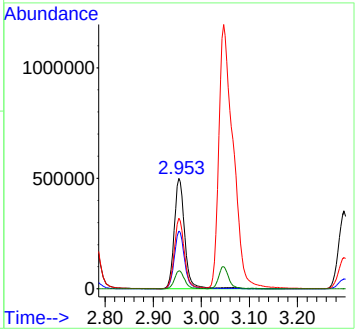


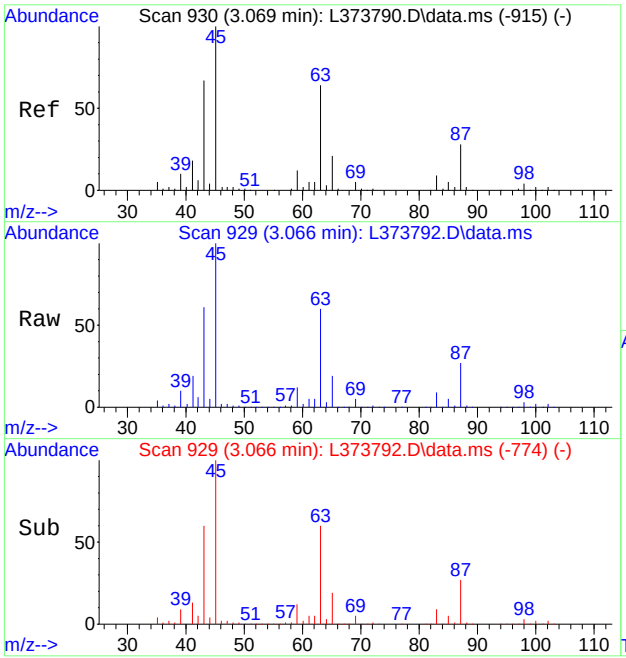


#27
hexane
Concen: 220.52 ug/L
RT: 2.953 min Scan# 894
Delta R.T. -0.007 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 57 Resp: 761498

Ion	Ratio	Lower	Upper
57	100		
56	52.5	32.9	72.9
43	63.8	41.9	81.9
86	16.4	0.0	36.3

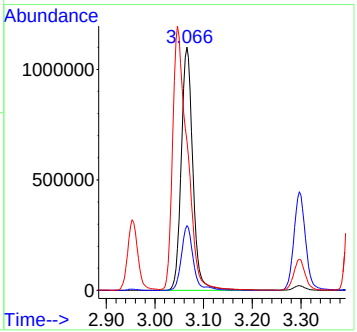


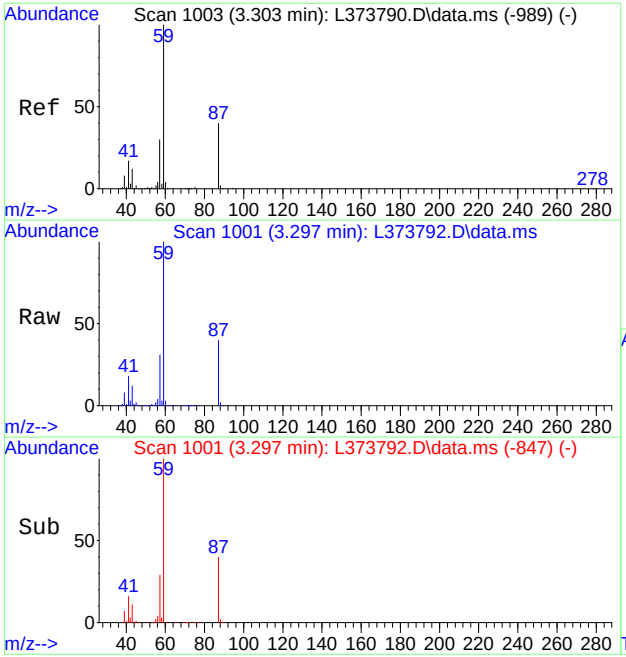


#28
di-isopropyl ether
Concen: 214.29 ug/L
RT: 3.066 min Scan# 929
Delta R.T. -0.003 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 45 Resp: 1824371

Ion	Ratio	Lower	Upper
45	100		
87	26.6	0.0	57.5
43	61.0	37.5	97.5

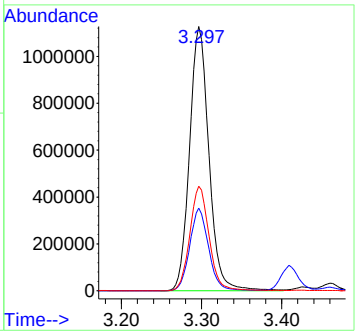


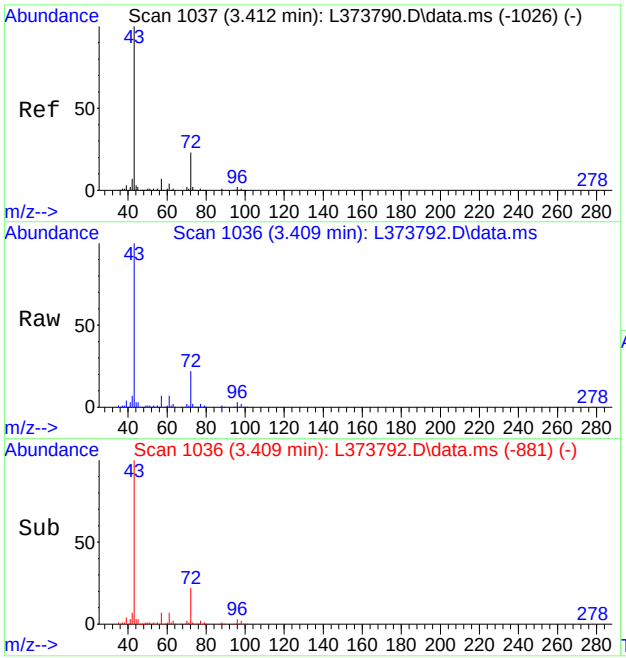


#29
ethyl tert-butyl ether
Concen: 216.97 ug/L
RT: 3.297 min Scan# 1001
Delta R.T. -0.006 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 59 Resp: 1897318

Ion	Ratio	Lower	Upper
59	100		
57	31.3	0.3	60.3
87	39.6	9.6	69.6

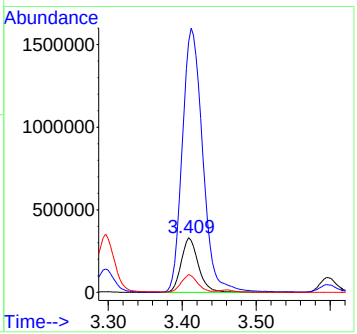


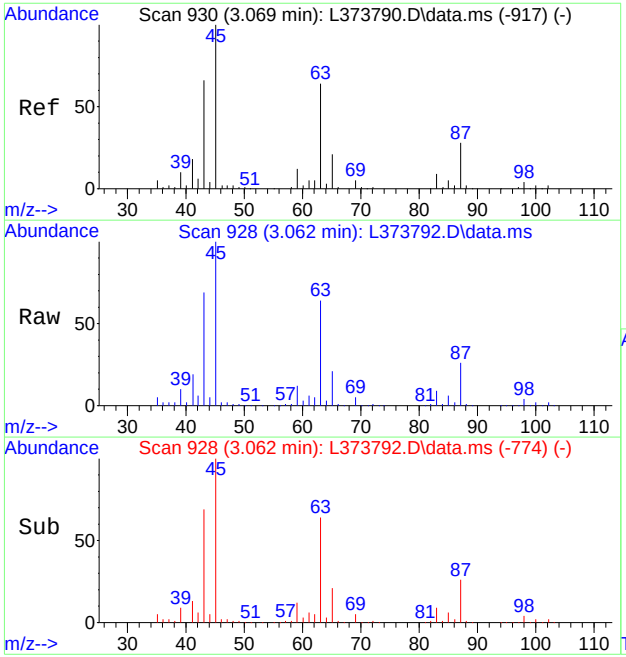


#30
2-butanone
Concen: 881.05 ug/L
RT: 3.409 min Scan# 1036
Delta R.T. -0.003 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 72 Resp: 536199

Ion	Ratio	Lower	Upper
72	100		
43	457.4	411.9	471.9
57	32.9	2.4	62.4

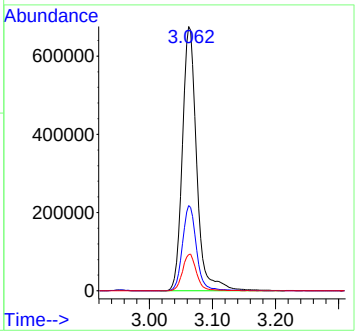


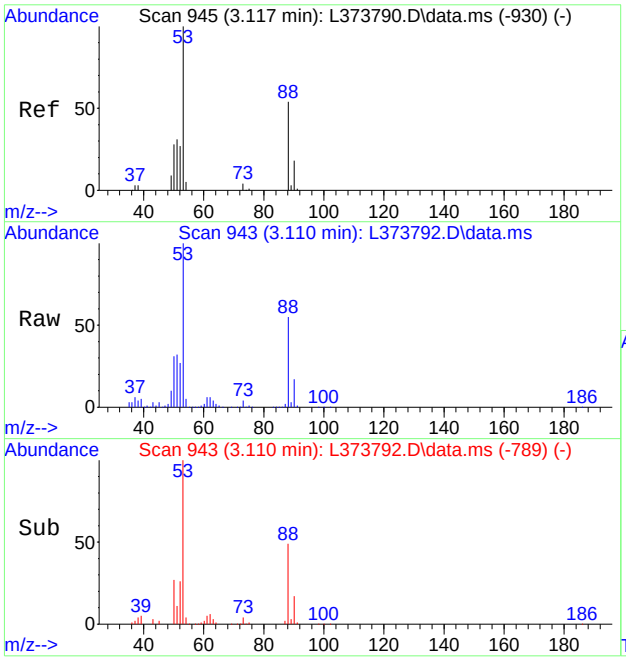


#31
1,1-dichloroethane
Concen: 201.73 ug/L
RT: 3.062 min Scan# 928
Delta R.T. -0.007 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 63 Resp: 1065210

Ion	Ratio	Lower	Upper
63	100		
65	32.2	2.5	62.5
83	13.7	0.0	43.5

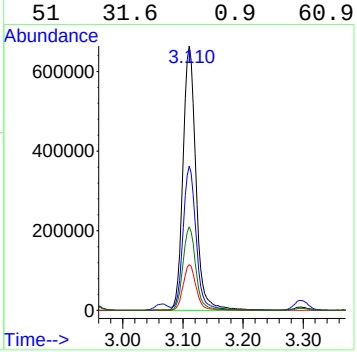


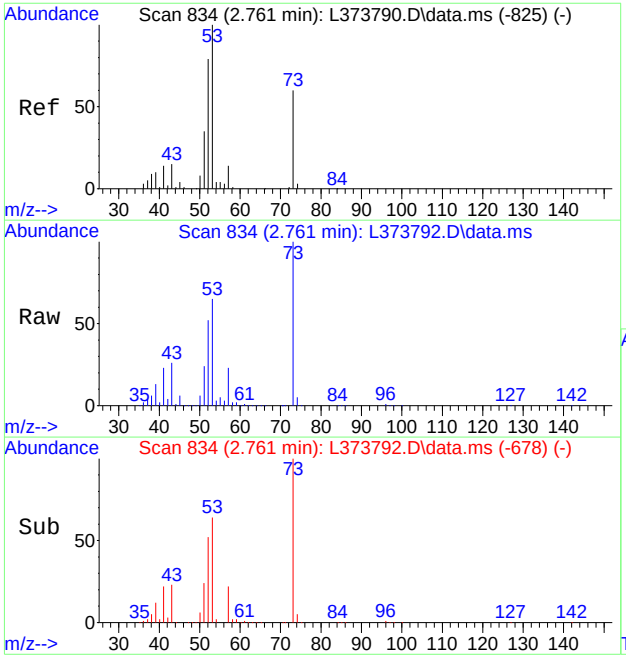


#32
chloroprene
Concen: 217.98 ug/L
RT: 3.110 min Scan# 943
Delta R.T. -0.007 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 53 Resp: 990275

Ion	Ratio	Lower	Upper
53	100		
88	54.6	26.2	86.2
90	17.3	0.0	47.9
51	31.6	0.9	60.9

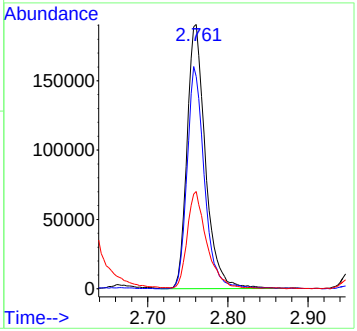


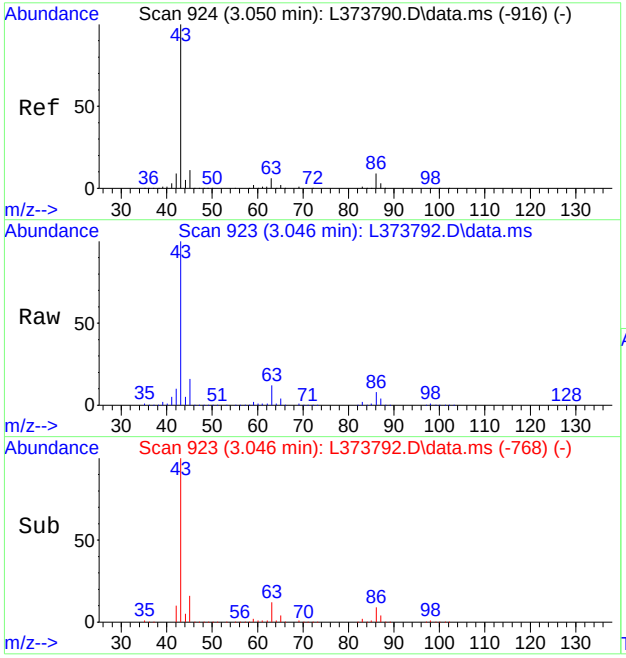


#33
acrylonitrile
Concen: 209.00 ug/L
RT: 2.761 min Scan# 834
Delta R.T. -0.000 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 53 Resp: 304593

Ion	Ratio	Lower	Upper
53	100		
52	80.4	48.8	108.8
51	36.6	4.6	64.6

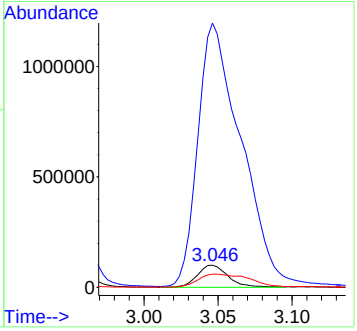


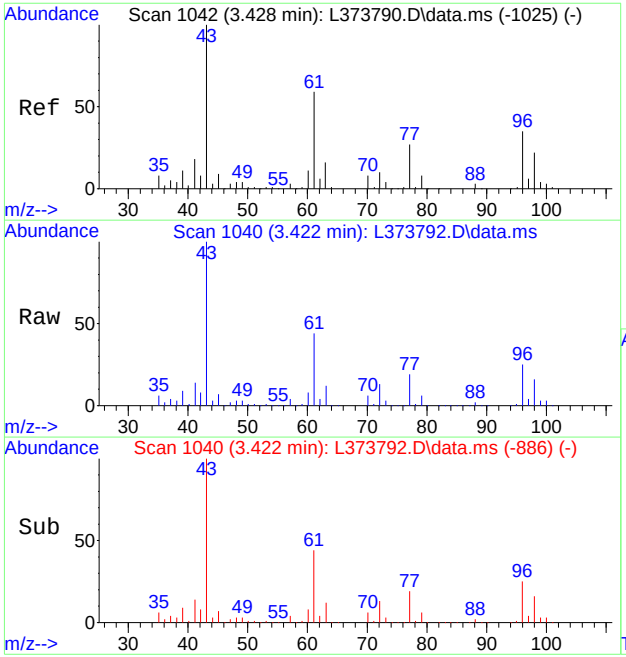


#34
vinyl acetate
Concen: 206.22 ug/L
RT: 3.046 min Scan# 923
Delta R.T. -0.004 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 86 Resp: 142488

Ion	Ratio	Lower	Upper
86	100		
43	1196.7	1076.3	1136.3#
44	59.0	23.6	83.6

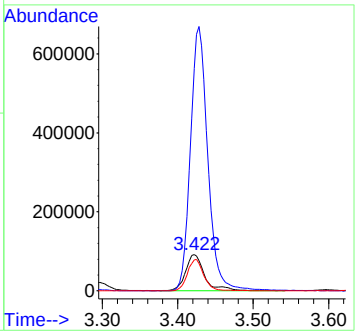


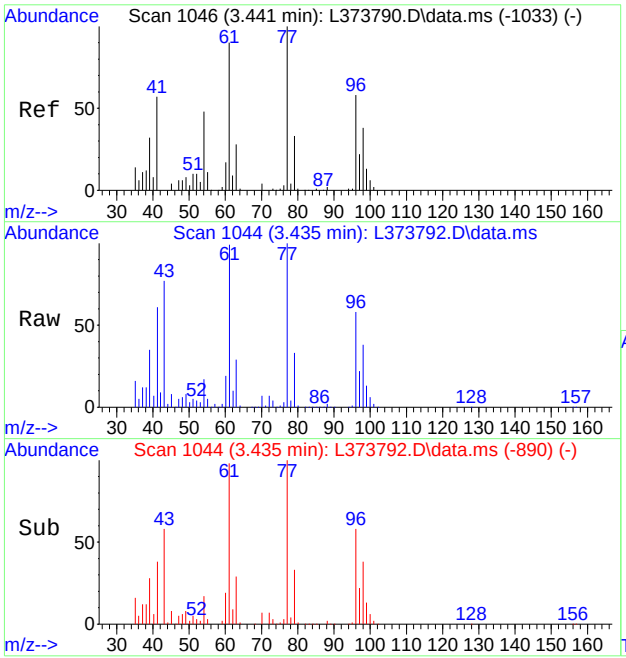


#35
ethyl acetate
Concen: 210.05 ug/L
RT: 3.422 min Scan# 1040
Delta R.T. -0.006 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 45 Resp: 158146

Ion	Ratio	Lower	Upper
45	100		
61	616.7	598.6	658.6
70	86.1	53.6	113.6

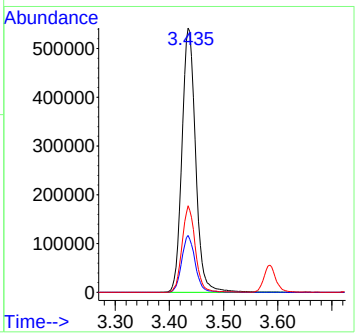


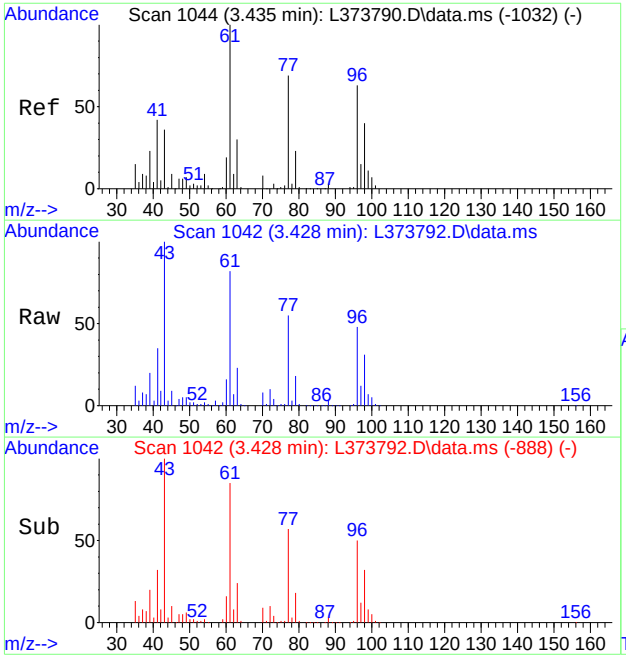


#36
2,2-dichloropropane
Concen: 199.83 ug/L
RT: 3.435 min Scan# 1044
Delta R.T. -0.006 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 77 Resp: 950713

Ion	Ratio	Lower	Upper
77	100		
97	21.5	0.0	52.3
79	32.8	3.0	63.0

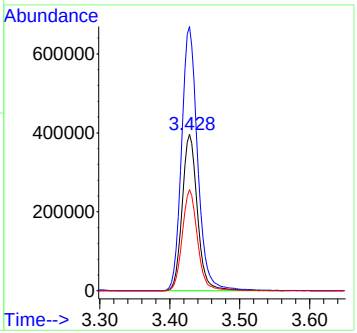


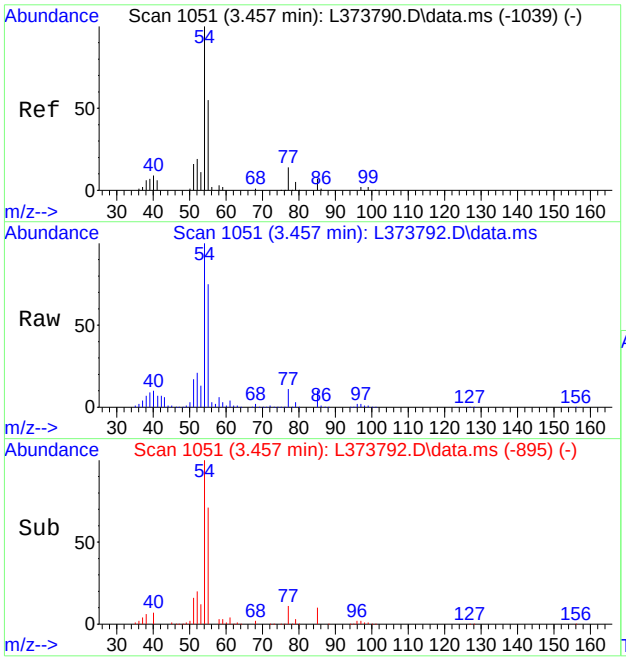


#37
cis-1,2-dichloroethene
Concen: 196.38 ug/L
RT: 3.428 min Scan# 1042
Delta R.T. -0.007 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 96 Resp: 603189

Ion	Ratio	Lower	Upper
96	100		
61	169.1	128.7	188.7
98	64.8	34.1	94.1

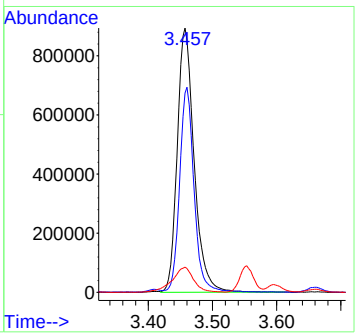


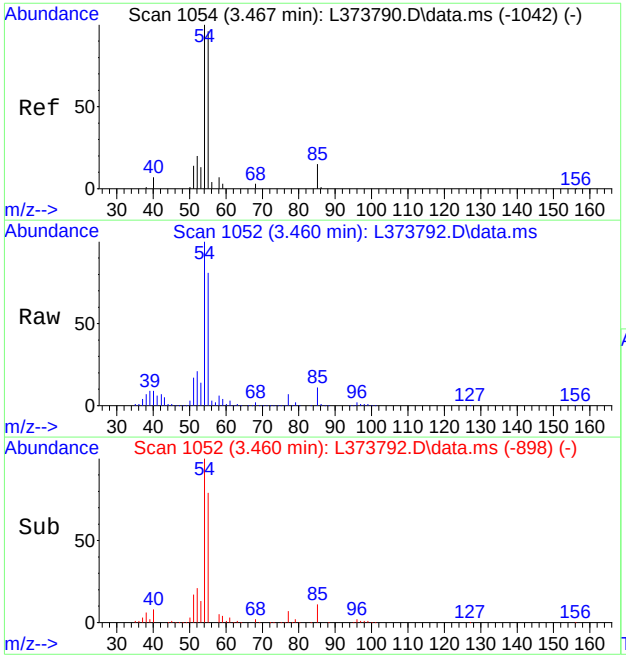


#38
propionitrile
Concen: 1974.72 ug/L
RT: 3.457 min Scan# 1051
Delta R.T. 0.000 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 54 Resp: 1637302

Ion	Ratio	Lower	Upper
54	100		
55	75.4	25.4	85.4
40	8.2	0.0	39.0

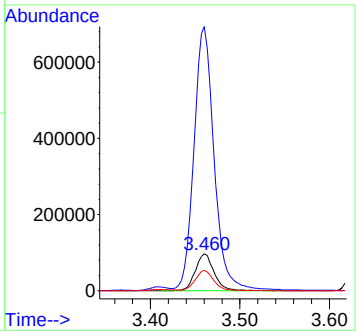


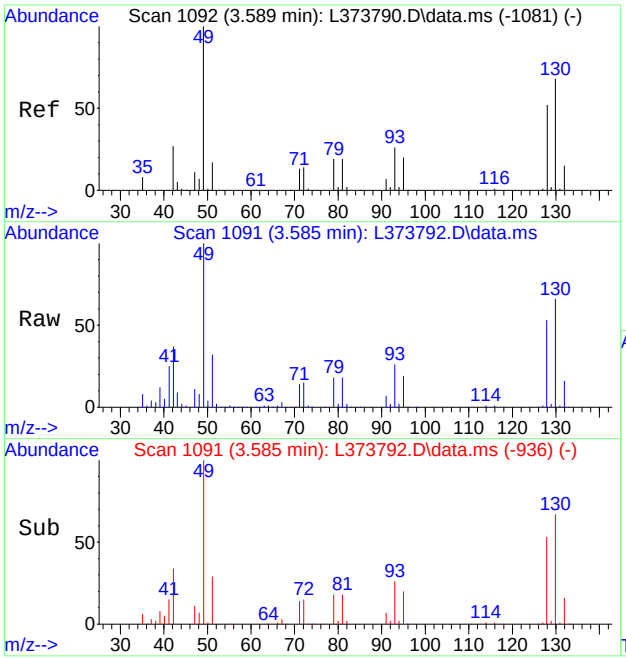


#39
methyl acrylate
Concen: 220.30 ug/L
RT: 3.460 min Scan# 1052
Delta R.T. -0.007 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 85 Resp: 142801

Ion	Ratio	Lower	Upper
85	100		
55	711.1	639.4	679.4#
58	54.8	29.8	69.8

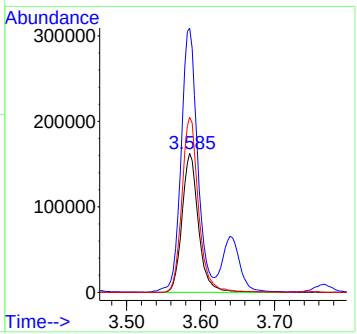


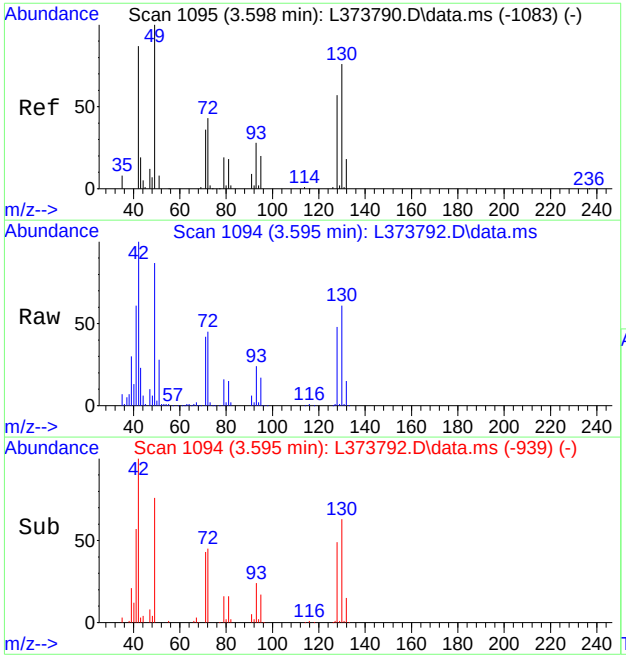


#40
bromochloromethane
Concen: 185.49 ug/L
RT: 3.585 min Scan# 1091
Delta R.T. -0.004 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion:128 Resp: 250894

Ion	Ratio	Lower	Upper
128	100		
49	189.9	163.3	223.3
130	126.1	100.3	160.3

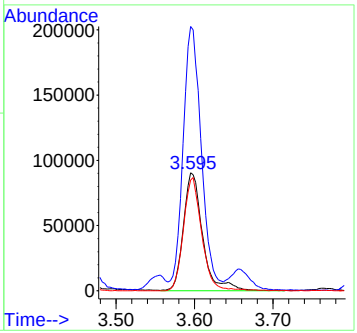


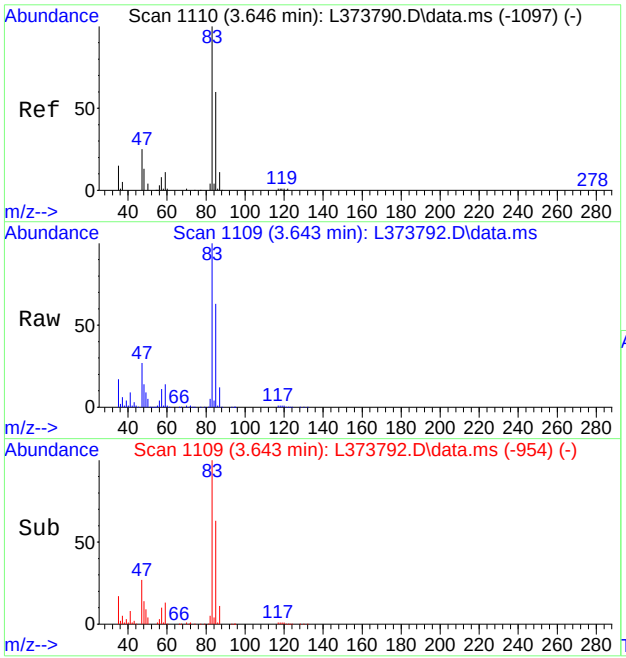


#41
tetrahydrofuran
Concen: 204.45 ug/L
RT: 3.595 min Scan# 1094
Delta R.T. -0.003 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 72 Resp: 155050

Ion	Ratio	Lower	Upper
72	100		
42	223.3	183.3	243.3
71	93.8	53.5	113.5

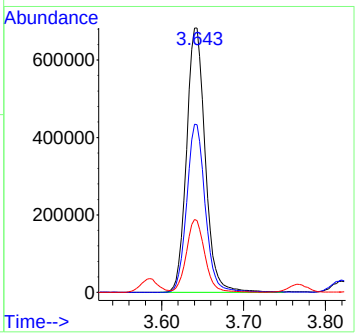


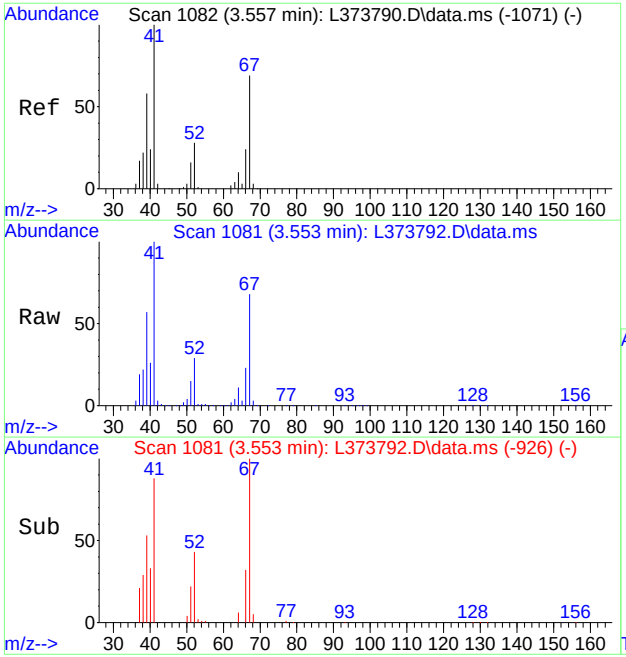


#42
chloroform
Concen: 185.13 ug/L
RT: 3.643 min Scan# 1109
Delta R.T. -0.003 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 83 Resp: 1084833

Ion	Ratio	Lower	Upper
83	100		
85	63.4	29.7	89.7
47	26.3	0.0	54.6

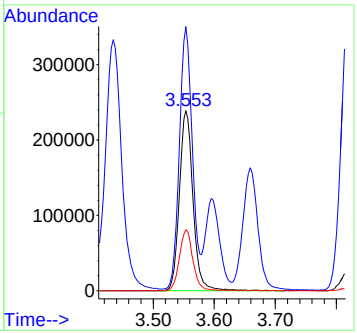


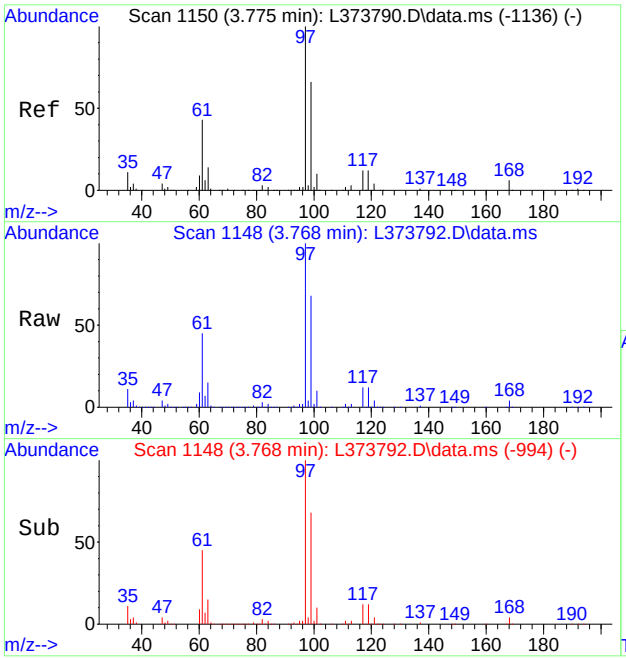


#44
methacrylonitrile
Concen: 209.66 ug/L
RT: 3.553 min Scan# 1081
Delta R.T. -0.004 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 67 Resp: 370730

Ion	Ratio	Lower	Upper
67	100		
41	145.8	115.3	175.3
66	33.9	4.3	64.3

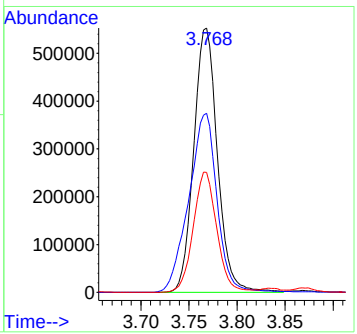


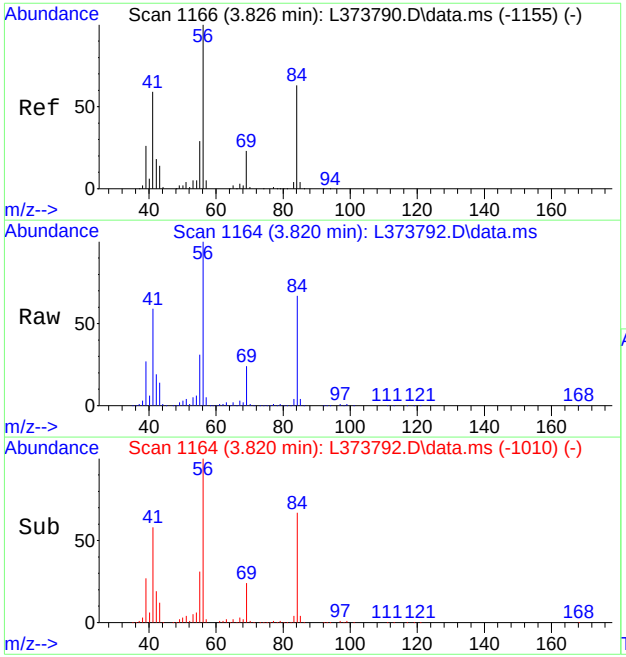


#45
1,1,1-trichloroethane
Concen: 204.89 ug/L
RT: 3.768 min Scan# 1148
Delta R.T. -0.007 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 97 Resp: 950680

Ion	Ratio	Lower	Upper
97	100		
99	67.4	41.0	101.0
61	45.4	12.9	72.9

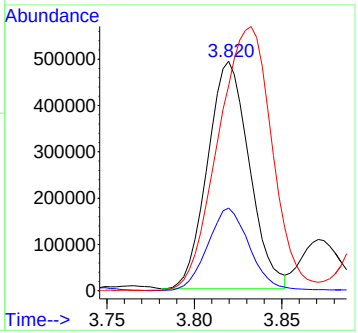


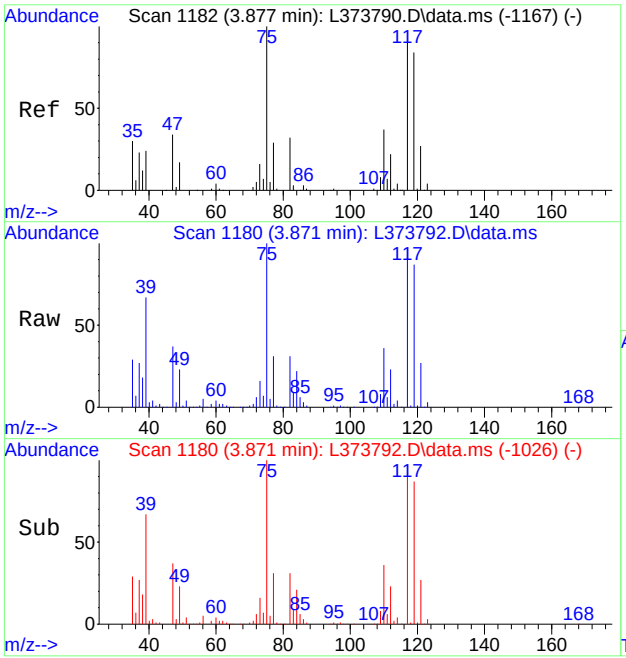


#46
cyclohexane
Concen: 212.02 ug/L
RT: 3.820 min Scan# 1164
Delta R.T. -0.006 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 84 Resp: 817470

Ion	Ratio	Lower	Upper
84	100		
69	36.2	16.2	56.2
41	89.8	73.6	113.6

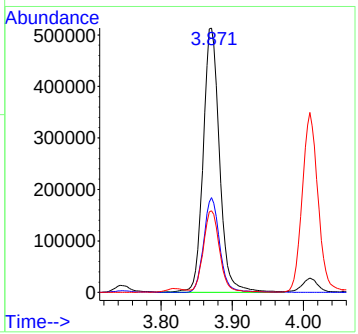


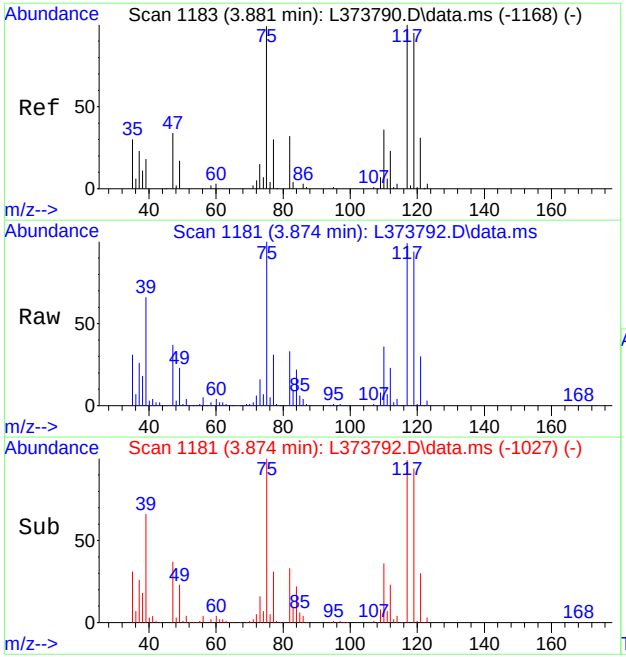


#47
1,1-dichloropropene
Concen: 218.28 ug/L
RT: 3.871 min Scan# 1180
Delta R.T. -0.006 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 75 Resp: 821343

Ion	Ratio	Lower	Upper
75	100		
110	35.9	17.0	57.0
77	30.6	10.2	50.2

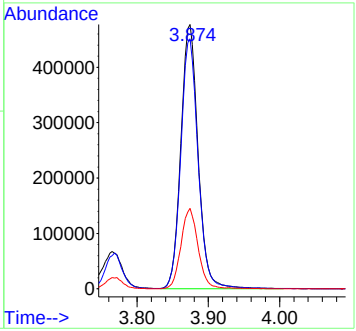


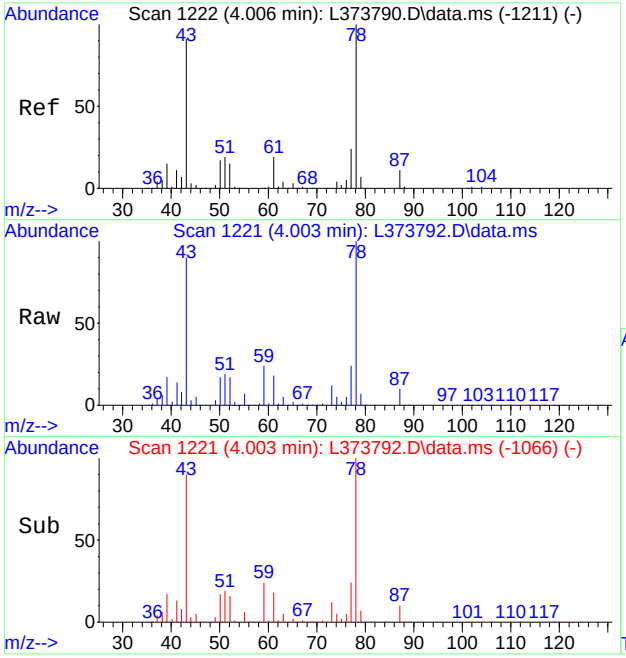


#48
carbon tetrachloride
Concen: 212.67 ug/L
RT: 3.874 min Scan# 1181
Delta R.T. -0.007 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion:117 Resp: 804365

Ion	Ratio	Lower	Upper
117	100		
119	94.5	74.4	114.4
121	30.4	10.8	50.8

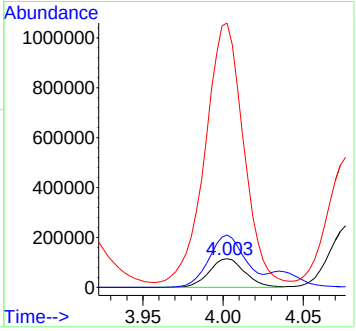


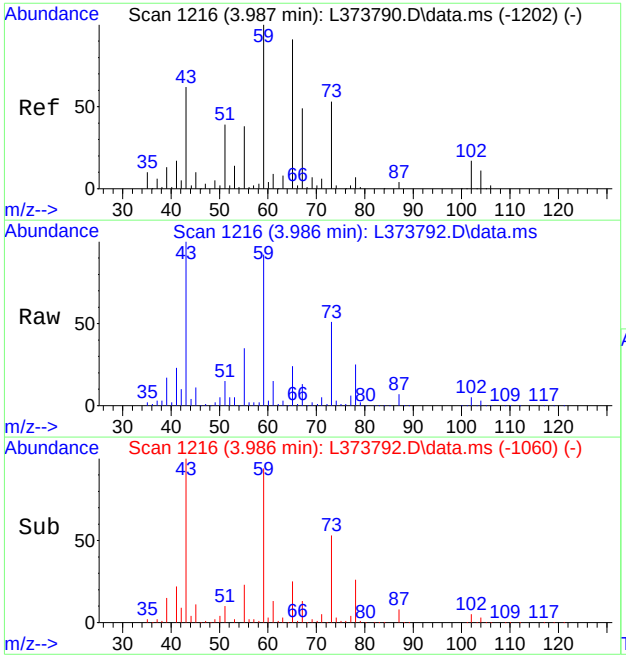


#49
isopropyl acetate
Concen: 212.24 ug/L
RT: 4.003 min Scan# 1221
Delta R.T. -0.003 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 87 Resp: 178150

Ion	Ratio	Lower	Upper
87	100		
61	183.7	152.1	192.1
43	906.1	844.1	904.1#

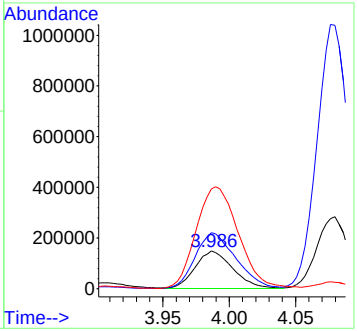


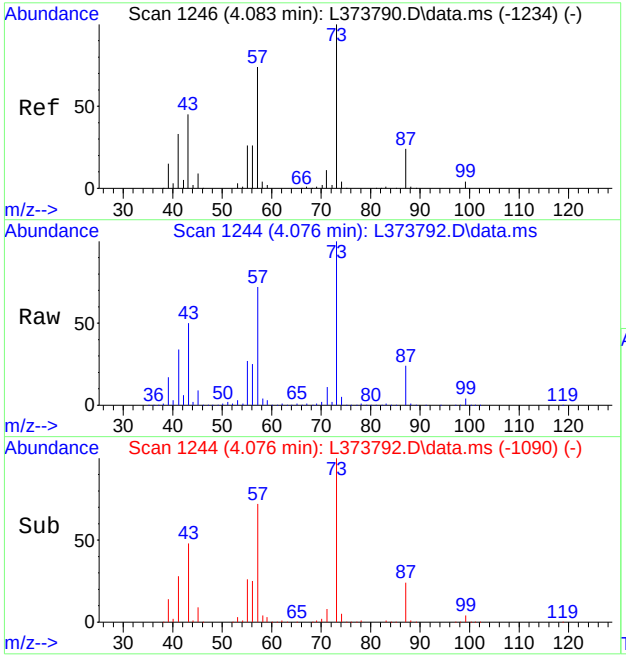


#50
tert amyl alcohol
Concen: 893.55 ug/L
RT: 3.986 min Scan# 1216
Delta R.T. -0.001 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 55 Resp: 293626

Ion	Ratio	Lower	Upper
55	100		
73	150.1	119.2	159.2
59	267.9	242.0	282.0

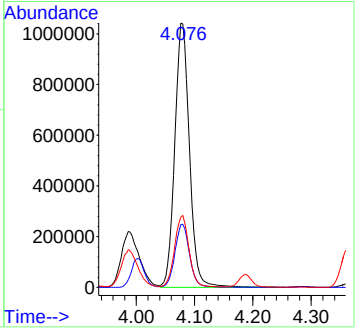


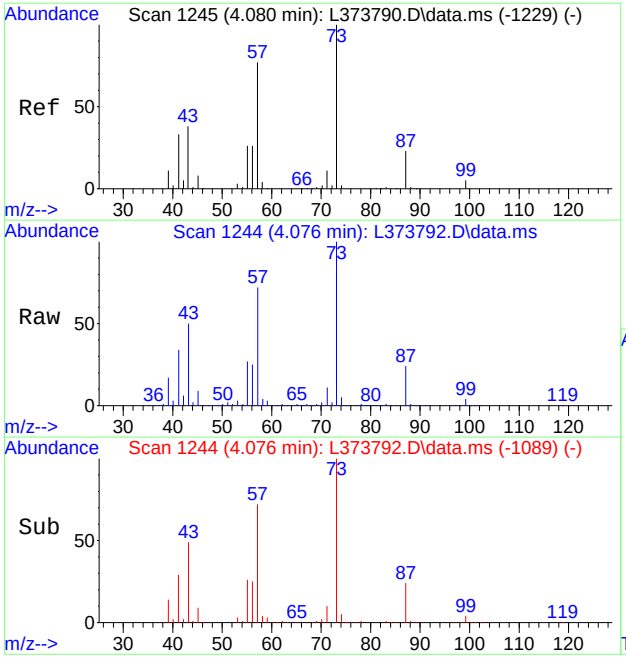


#53
tert-amyl methyl ether
Concen: 205.56 ug/L
RT: 4.076 min Scan# 1244
Delta R.T. -0.007 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 73 Resp: 1824195

Ion	Ratio	Lower	Upper
73	100		
87	23.7	4.6	44.6
55	26.4	5.7	45.7

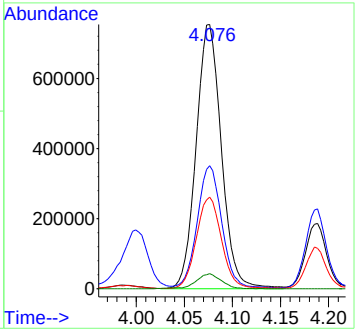


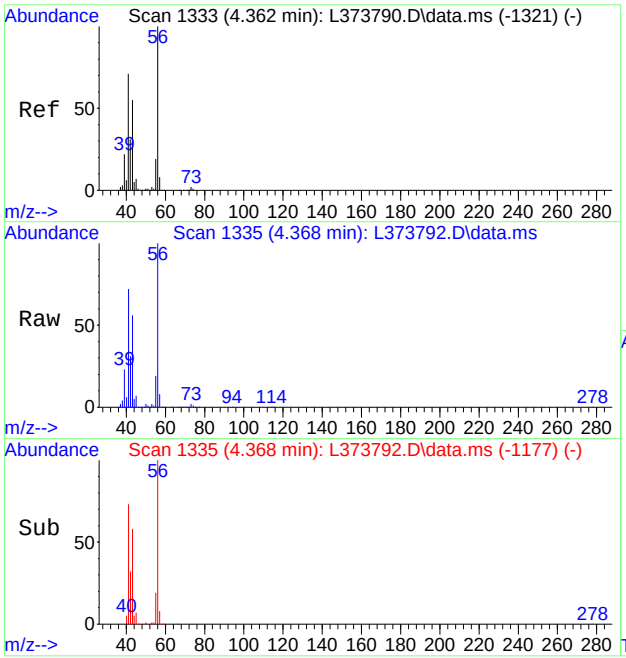


#54
2,2,4-trimethylpentane
Concen: 209.20 ug/L
RT: 4.076 min Scan# 1244
Delta R.T. -0.004 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 57 Resp: 1381705

Ion	Ratio	Lower	Upper
57	100		
41	46.1	25.1	65.1
56	34.6	13.8	53.8
99	5.7	0.0	25.9

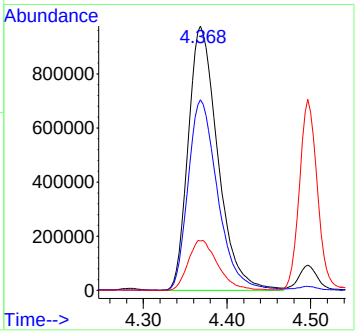


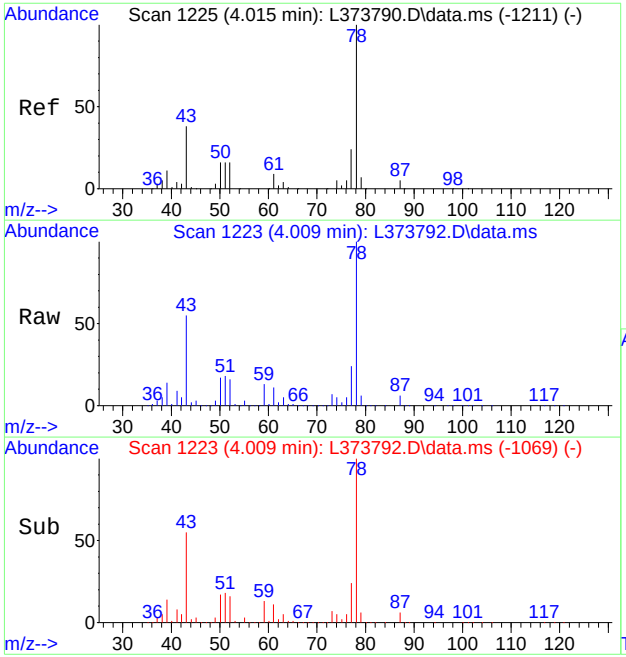


#55
n-butyl alcohol
Concen: 9170.27 ug/L
RT: 4.368 min Scan# 1335
Delta R.T. 0.006 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 56 Resp: 2391785

Ion	Ratio	Lower	Upper
56	100		
41	72.1	40.6	100.6
55	18.7	0.0	49.1

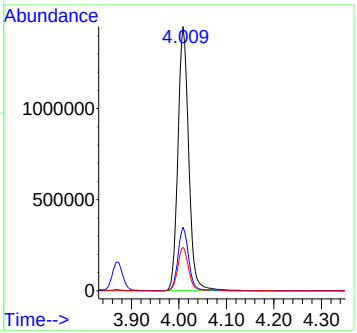


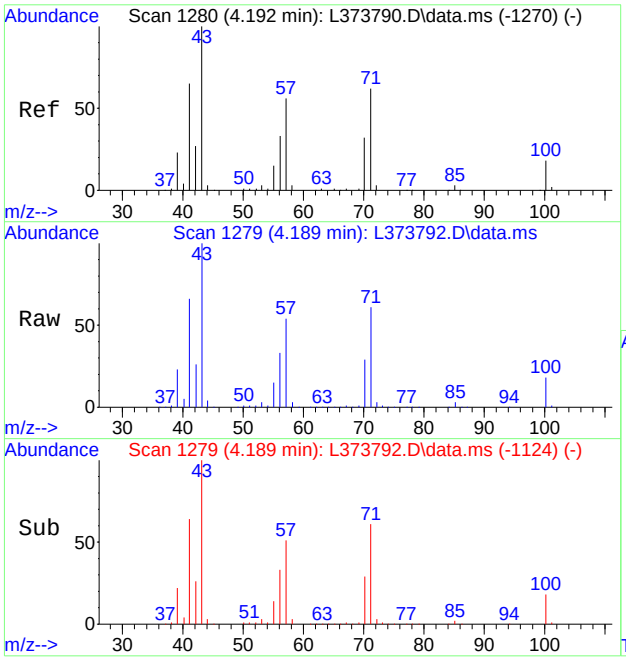


#56
benzene
Concen: 192.35 ug/L
RT: 4.009 min Scan# 1223
Delta R.T. -0.006 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 78 Resp: 2281932

Ion	Ratio	Lower	Upper
78	100		
77	24.1	0.0	53.5
52	16.4	0.0	46.2

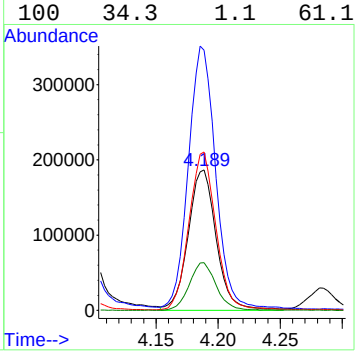


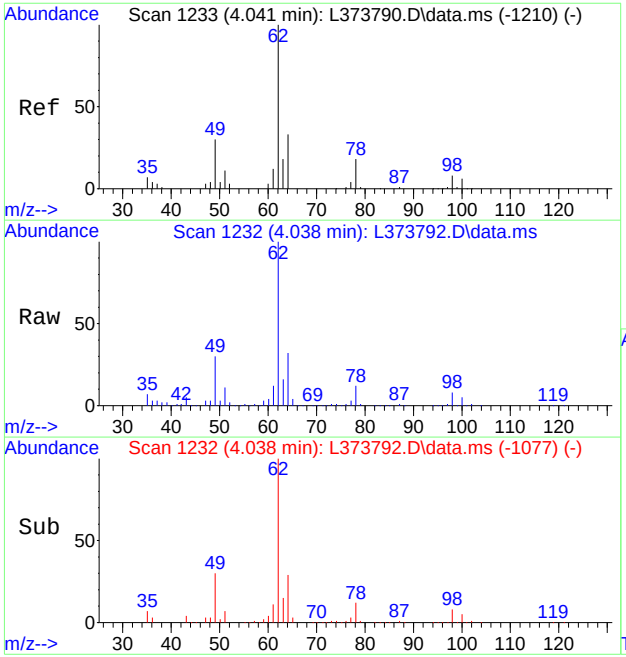


#57
heptane
Concen: 210.07 ug/L
RT: 4.189 min Scan# 1279
Delta R.T. -0.003 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 57 Resp: 294128

Ion	Ratio	Lower	Upper
57	100		
43	185.5	146.8	206.8
71	113.5	78.5	138.5
100	34.3	1.1	61.1

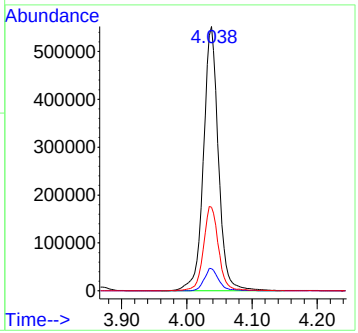


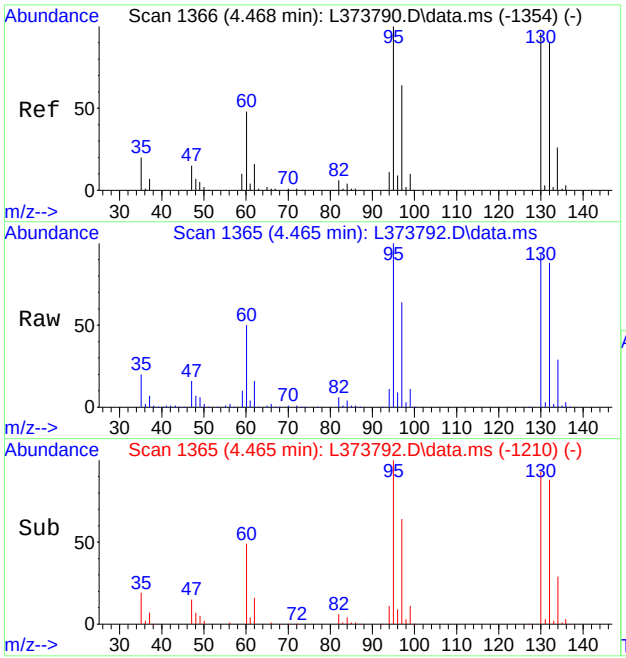


#58
1,2-dichloroethane
Concen: 195.17 ug/L
RT: 4.038 min Scan# 1232
Delta R.T. -0.003 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 62 Resp: 881368

Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	38.1
64	31.6	2.8	62.8

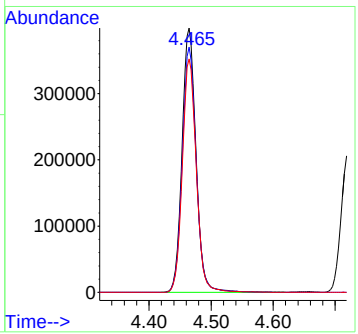


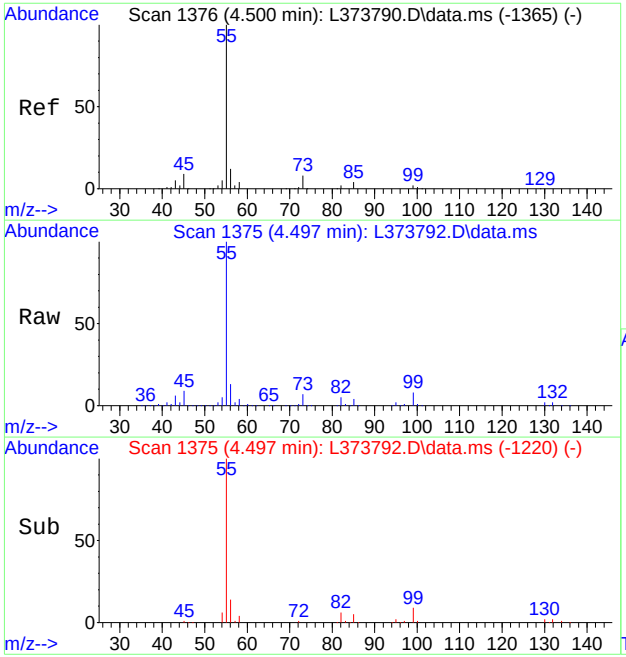


#59
trichloroethene
Concen: 208.83 ug/L
RT: 4.465 min Scan# 1365
Delta R.T. -0.003 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 95 Resp: 623736

Ion	Ratio	Lower	Upper
95	100		
130	92.7	65.5	125.5
132	88.3	59.7	119.7

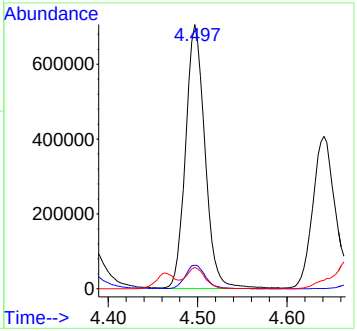


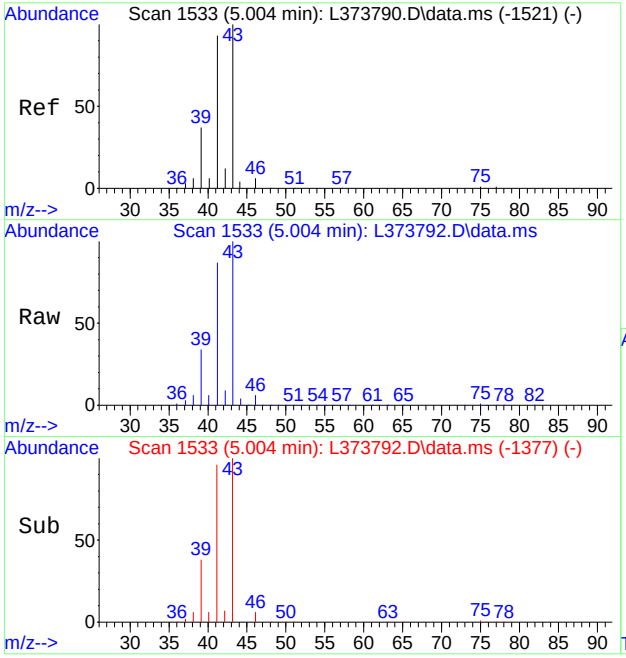


#60
ethyl acrylate
Concen: 198.27 ug/L
RT: 4.497 min Scan# 1375
Delta R.T. -0.003 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 55 Resp: 1059883

Ion	Ratio	Lower	Upper
55	100		
45	8.9	0.0	28.6
99	8.1	0.0	27.8

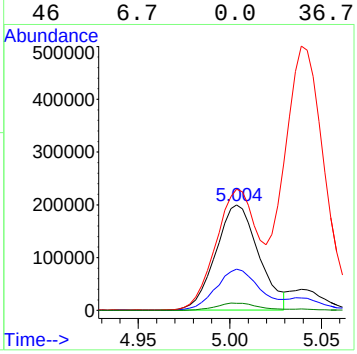


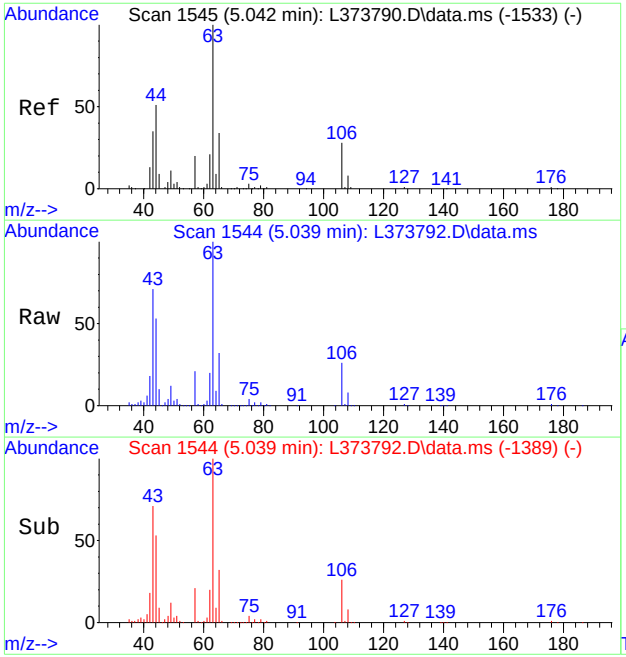


#61
2-nitropropane
Concen: 205.94 ug/L
RT: 5.004 min Scan# 1533
Delta R.T. -0.000 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 41 Resp: 326659

Ion	Ratio	Lower	Upper
41	100		
39	39.1	10.0	70.0
43	114.6	77.9	137.9
46	6.7	0.0	36.7

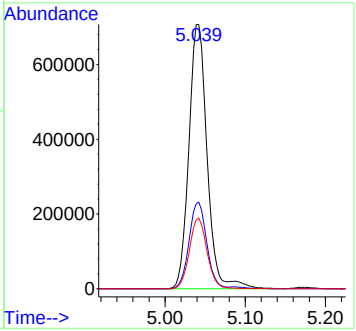


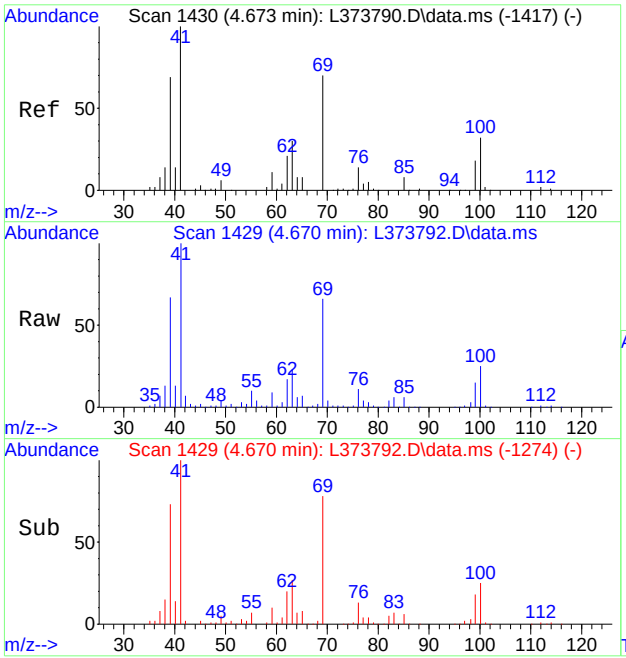


#62
2-chloroethyl vinyl ether
Concen: 1091.59 ug/L
RT: 5.039 min Scan# 1544
Delta R.T. -0.003 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 63 Resp: 1121167

Ion	Ratio	Lower	Upper
63	100		
65	32.1	3.9	63.9
106	26.1	0.0	57.6

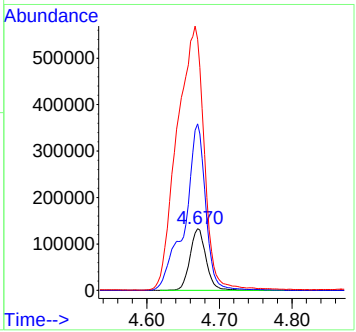


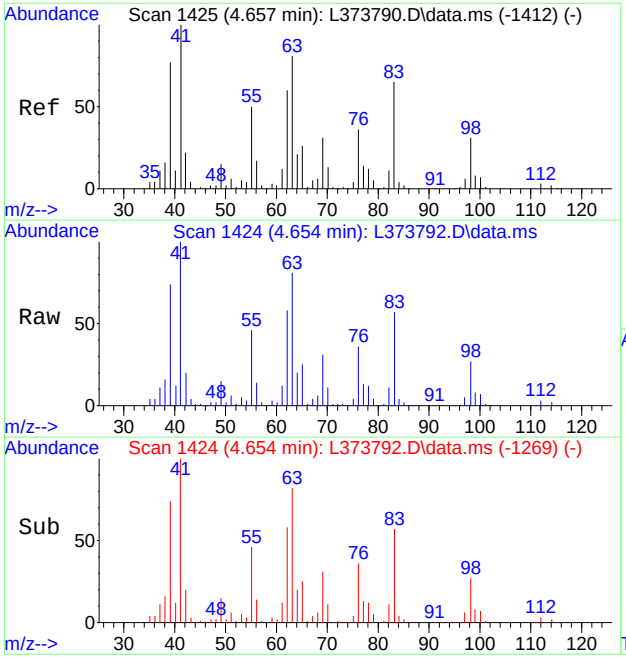


#63
methyl methacrylate
Concen: 207.45 ug/L
RT: 4.670 min Scan# 1429
Delta R.T. -0.003 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion:100 Resp: 205407

Ion	Ratio	Lower	Upper
100	100		
69	269.1	221.2	281.2
41	404.1	360.4	420.4

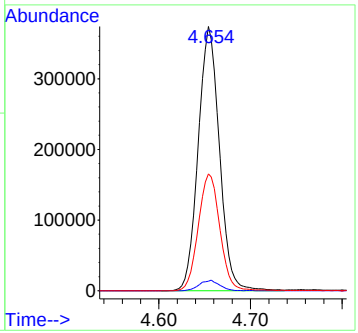


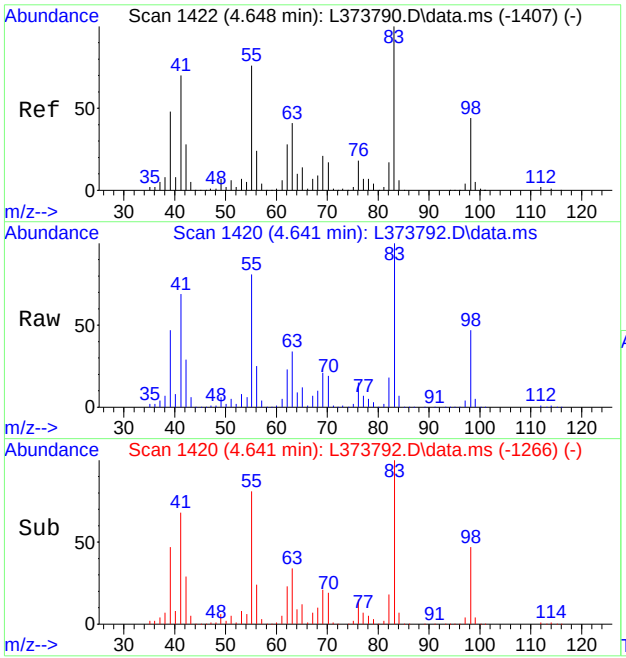


#64
1,2-dichloropropane
Concen: 199.27 ug/L
RT: 4.654 min Scan# 1424
Delta R.T. -0.003 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 63 Resp: 603429

Ion	Ratio	Lower	Upper
63	100		
112	3.6	0.0	34.1
76	44.2	14.3	74.3

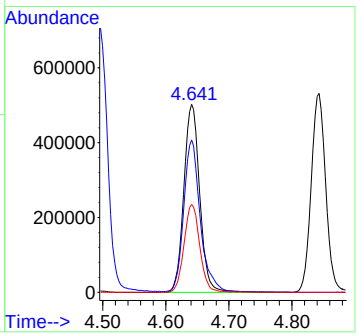


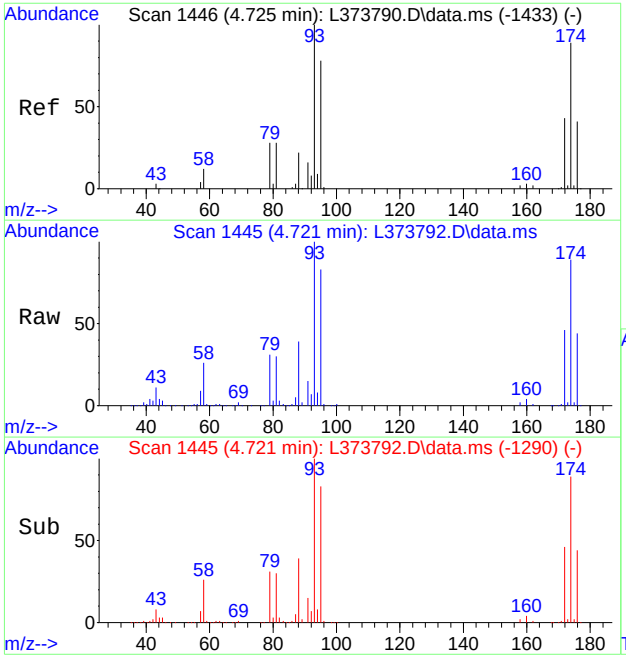


#65
methylcyclohexane
Concen: 214.67 ug/L
RT: 4.641 min Scan# 1420
Delta R.T. -0.007 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 83 Resp: 878953

Ion	Ratio	Lower	Upper
83	100		
55	81.0	46.3	106.3
98	46.8	13.7	73.7

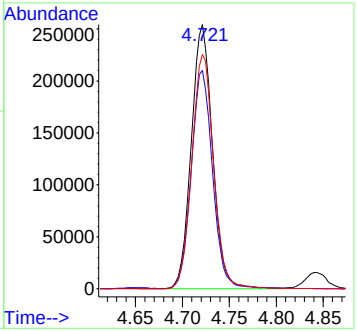


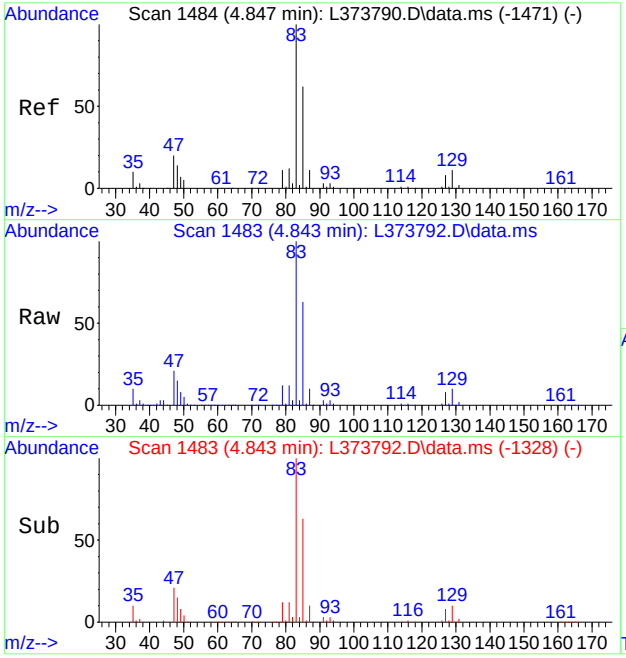


#66
dibromomethane
Concen: 192.36 ug/L
RT: 4.721 min Scan# 1445
Delta R.T. -0.004 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 93 Resp: 401334

Ion	Ratio	Lower	Upper
93	100		
95	82.5	48.3	108.3
174	88.6	59.2	119.2

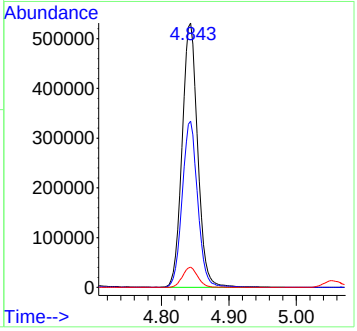


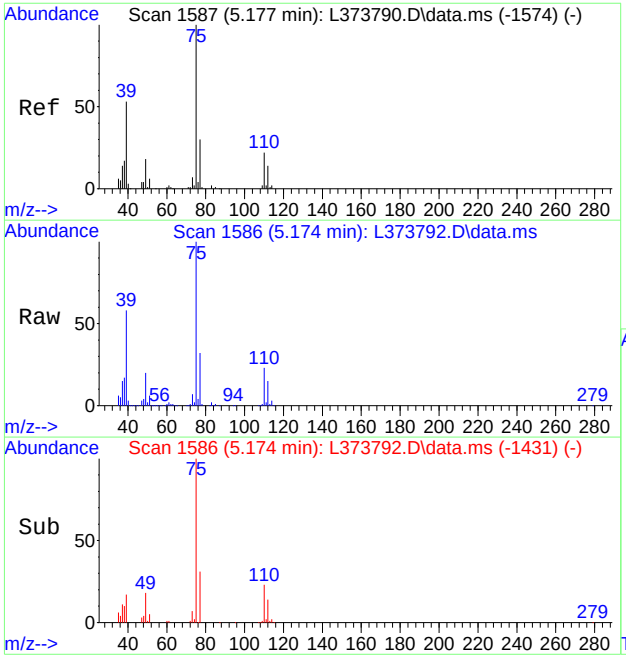


#67
bromodichloromethane
Concen: 197.61 ug/L
RT: 4.843 min Scan# 1483
Delta R.T. -0.004 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 83 Resp: 854016

Ion	Ratio	Lower	Upper
83	100		
85	62.9	31.5	91.5
127	7.6	0.0	38.3

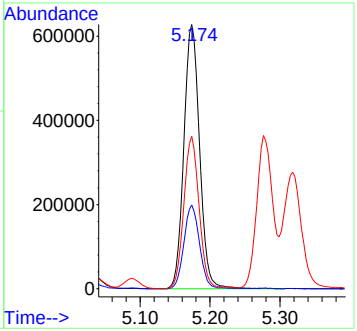


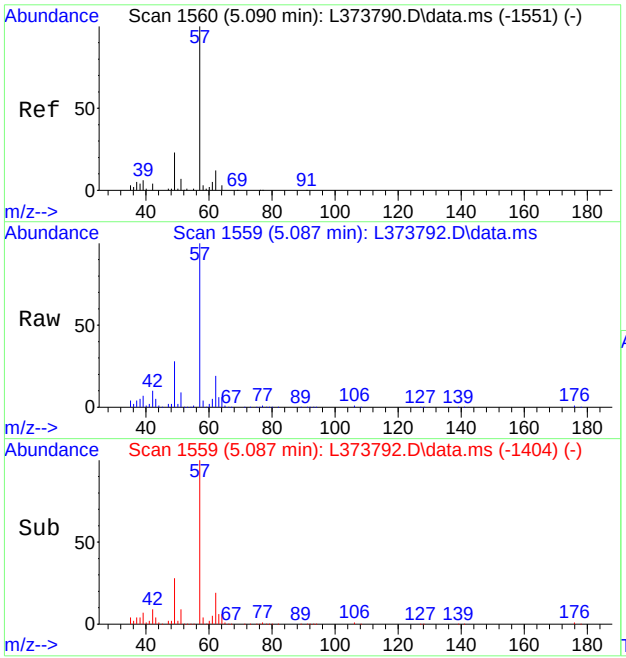


#68
cis-1,3-dichloropropene
Concen: 202.77 ug/L
RT: 5.174 min Scan# 1586
Delta R.T. -0.003 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 75 Resp: 982325

Ion	Ratio	Lower	Upper
75	100		
77	31.7	0.1	60.1
39	57.5	23.1	83.1

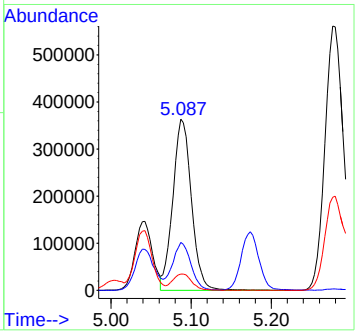


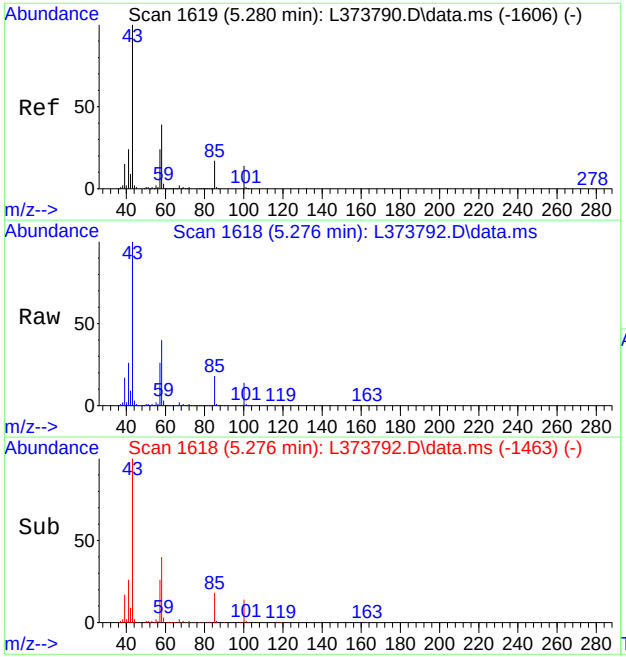


#69
epichlorohydrin
Concen: 950.27 ug/L
RT: 5.087 min Scan# 1559
Delta R.T. -0.003 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 57 Resp: 586835

Ion	Ratio	Lower	Upper
57	100		
49	27.5	1.0	41.0
42	9.6	0.0	29.5

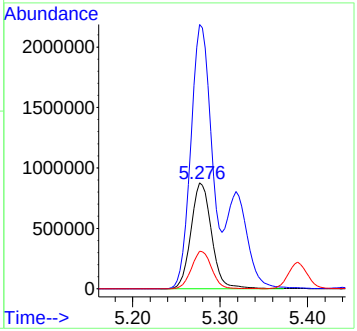


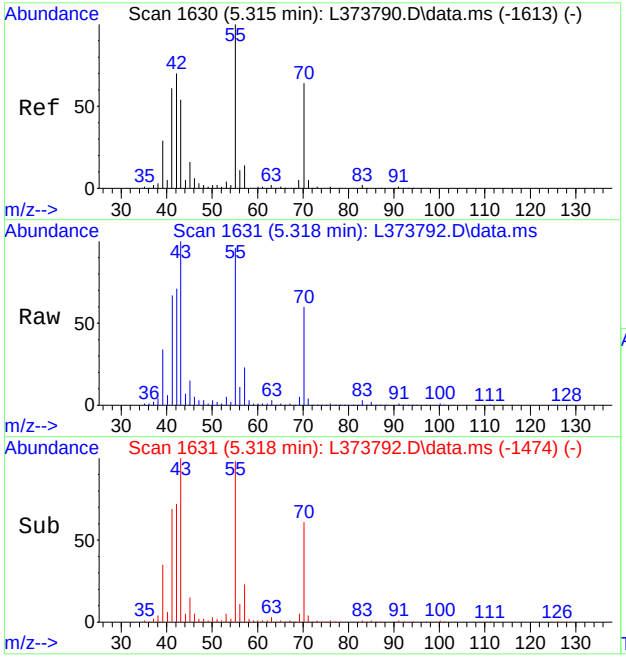


#70
4-methyl-2-pentanone
Concen: 756.65 ug/L
RT: 5.276 min Scan# 1618
Delta R.T. -0.004 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 58 Resp: 1440541

Ion	Ratio	Lower	Upper
58	100		
43	249.6	233.3	273.3
100	35.5	15.2	55.2

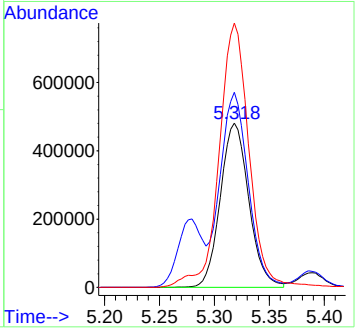


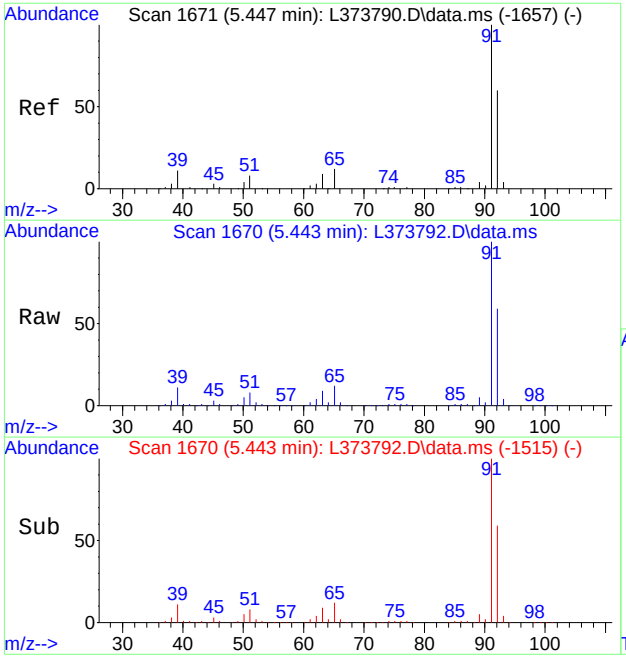


#71
3-methyl-1-butanol
Concen: 3562.77 ug/L
RT: 5.318 min Scan# 1631
Delta R.T. 0.003 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 70 Resp: 868238

Ion	Ratio	Lower	Upper
70	100		
42	117.4	94.2	134.2
55	160.8	137.5	177.5

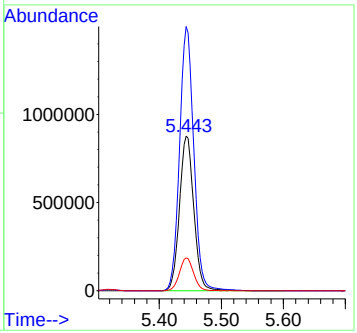


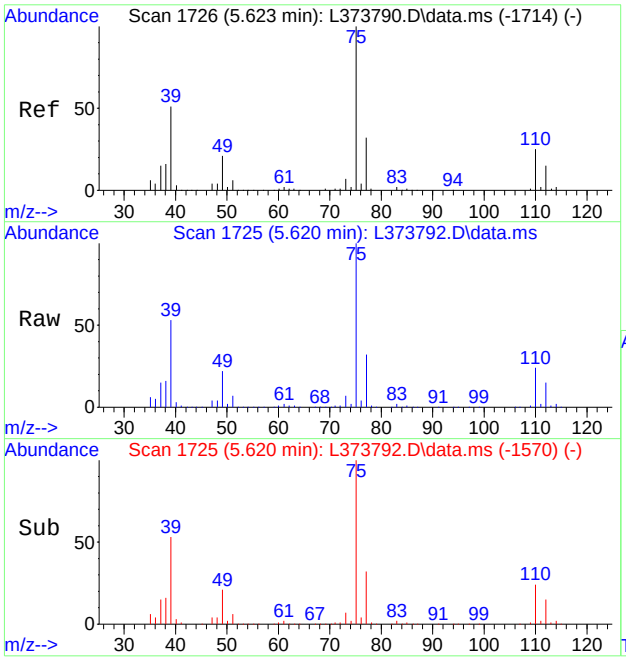


#74
toluene
Concen: 193.61 ug/L
RT: 5.443 min Scan# 1670
Delta R.T. -0.004 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 92 Resp: 1408996

Ion	Ratio	Lower	Upper
92	100		
91	170.8	136.7	196.7
65	21.2	0.0	50.8

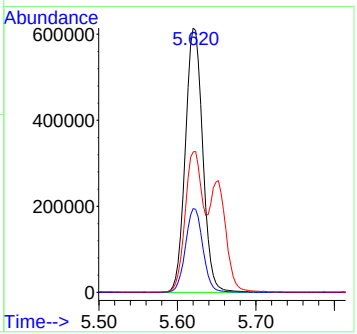


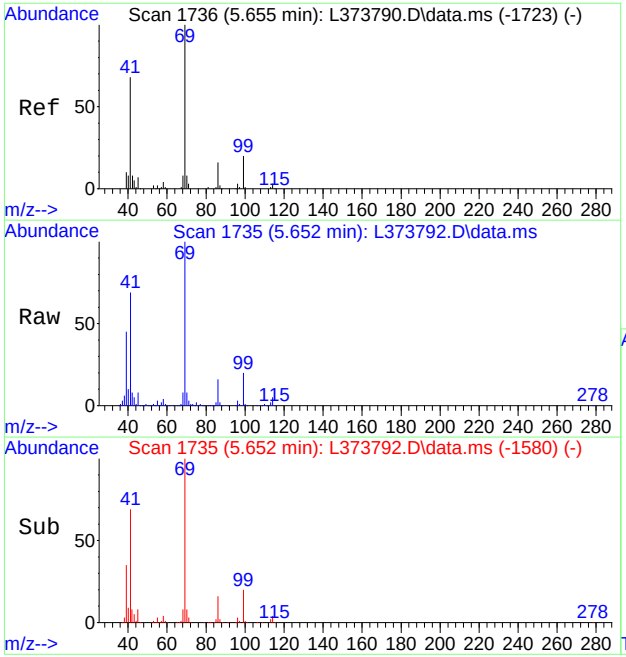


#75
trans-1,3-dichloropropene
Concen: 208.51 ug/L
RT: 5.620 min Scan# 1725
Delta R.T. -0.003 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 75 Resp: 946122

Ion	Ratio	Lower	Upper
75	100		
77	31.7	1.7	61.7
39	53.0	20.7	80.7

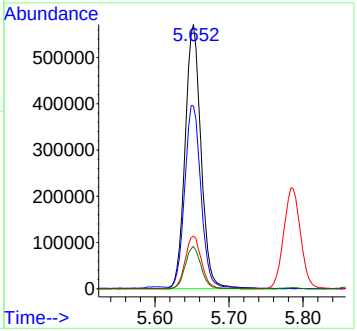


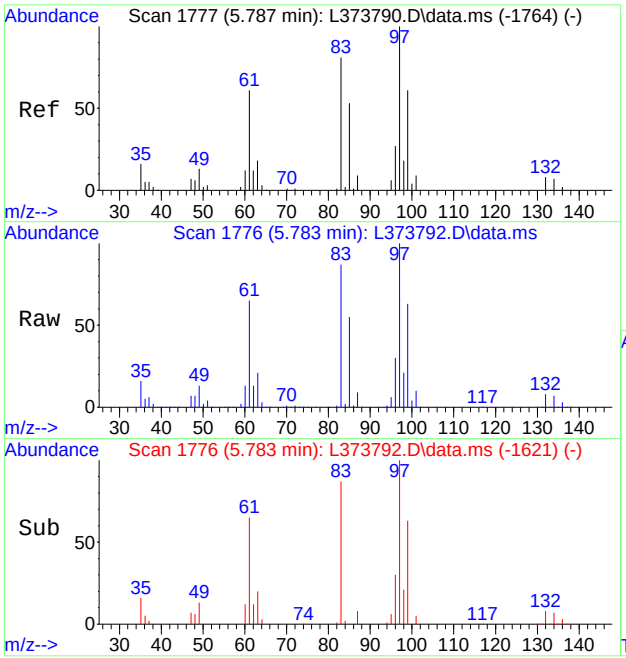


#76
ethyl methacrylate
Concen: 185.52 ug/L
RT: 5.652 min Scan# 1735
Delta R.T. -0.003 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 69 Resp: 850531

Ion	Ratio	Lower	Upper
69	100		
41	69.2	38.9	98.9
99	20.0	0.0	50.4
86	16.2	0.0	45.9

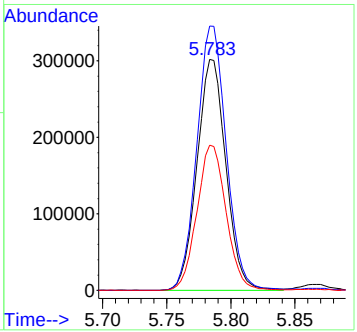


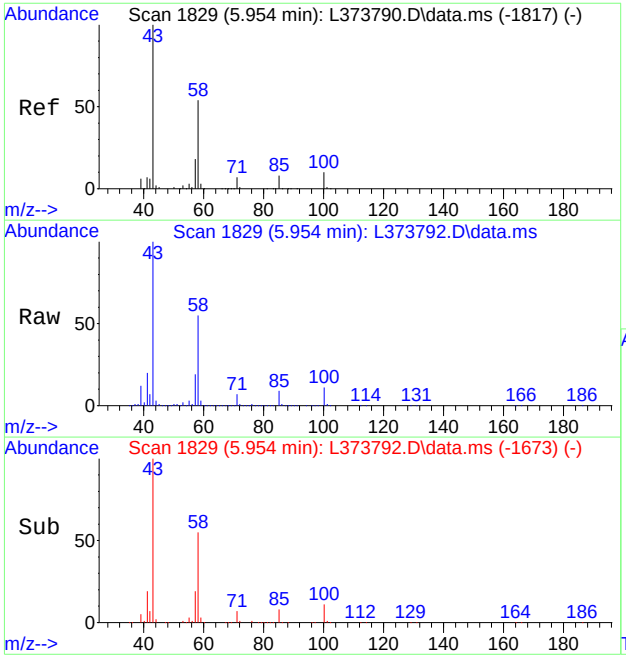


#77
1,1,2-trichloroethane
Concen: 196.69 ug/L
RT: 5.783 min Scan# 1776
Delta R.T. -0.004 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 83 Resp: 474587

Ion	Ratio	Lower	Upper
83	100		
97	114.4	93.6	153.6
85	62.9	35.4	95.4

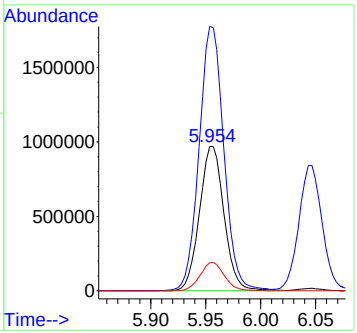


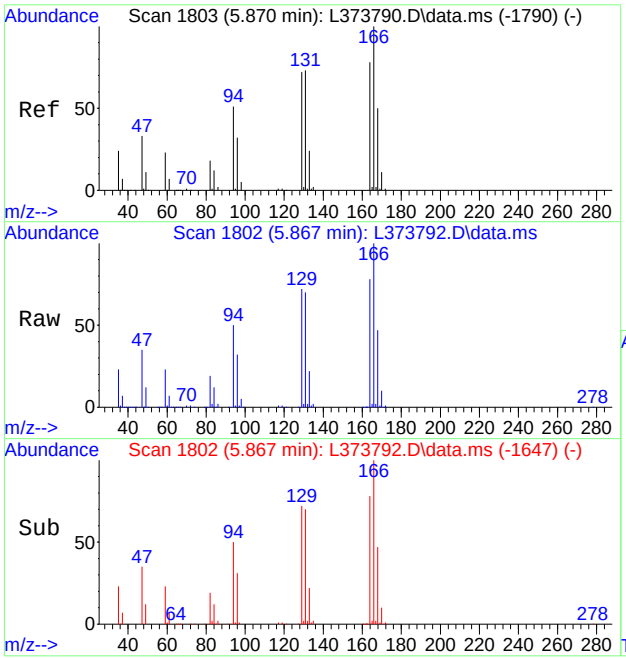


#78
2-hexanone
Concen: 727.10 ug/L
RT: 5.954 min Scan# 1829
Delta R.T. -0.000 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 58 Resp: 1503719

Ion	Ratio	Lower	Upper
58	100		
43	183.0	154.6	214.6
100	19.5	0.0	49.0

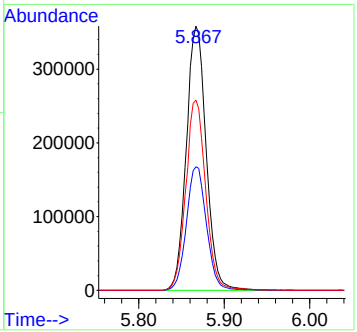


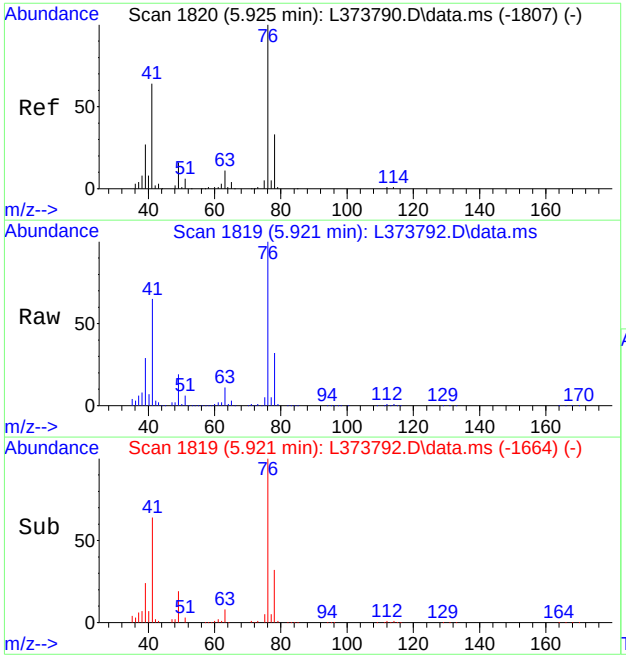


#79
tetrachloroethene
Concen: 198.30 ug/L
RT: 5.867 min Scan# 1802
Delta R.T. -0.003 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion:166 Resp: 579662

Ion	Ratio	Lower	Upper
166	100		
168	46.7	19.7	79.7
129	72.0	42.4	102.4

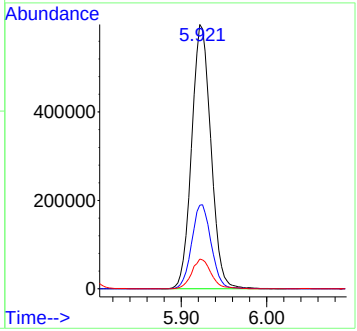


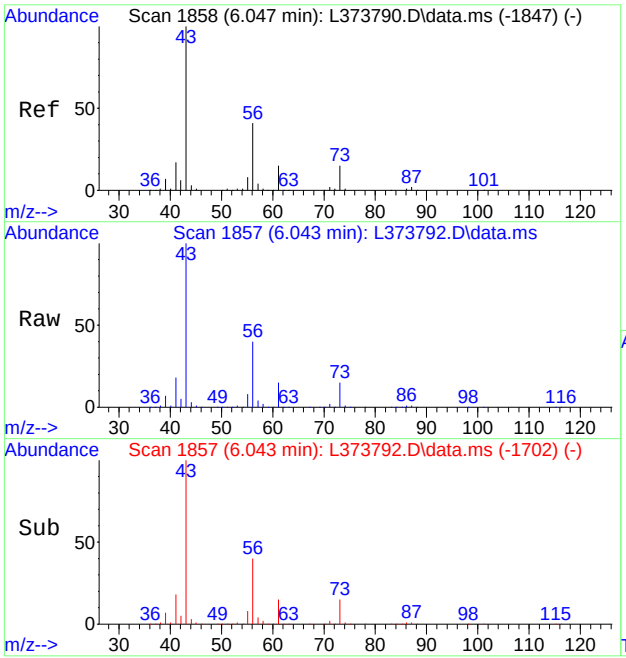


#80
1,3-dichloropropane
Concen: 200.85 ug/L
RT: 5.921 min Scan# 1819
Delta R.T. -0.004 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 76 Resp: 933966

Ion	Ratio	Lower	Upper
76	100		
78	31.7	2.7	62.7
63	11.2	0.0	41.2

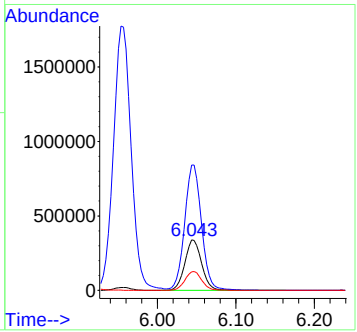


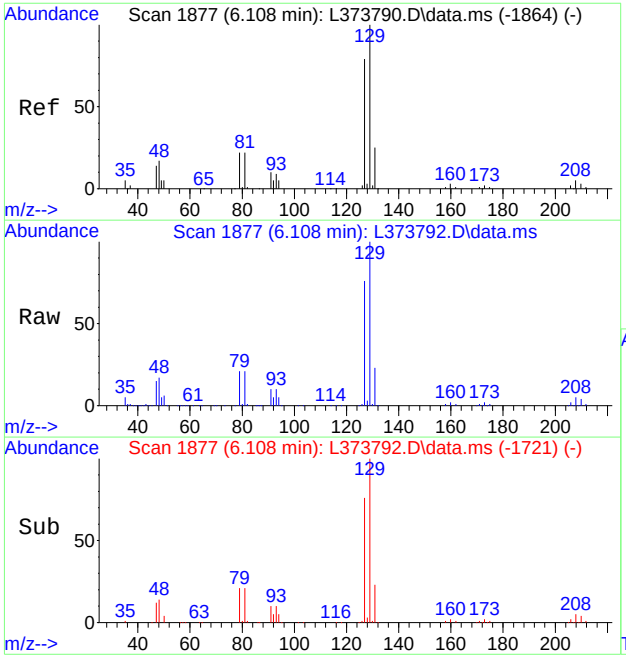


#81
butyl acetate
Concen: 185.00 ug/L
RT: 6.043 min Scan# 1857
Delta R.T. -0.004 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 56 Resp: 504149

Ion	Ratio	Lower	Upper
56	100		
43	247.6	218.3	278.3
73	36.8	7.2	67.2

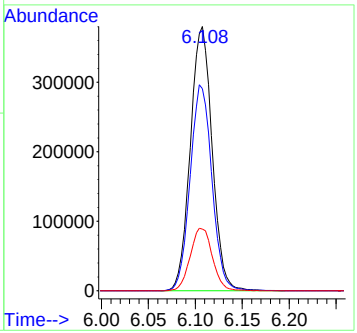


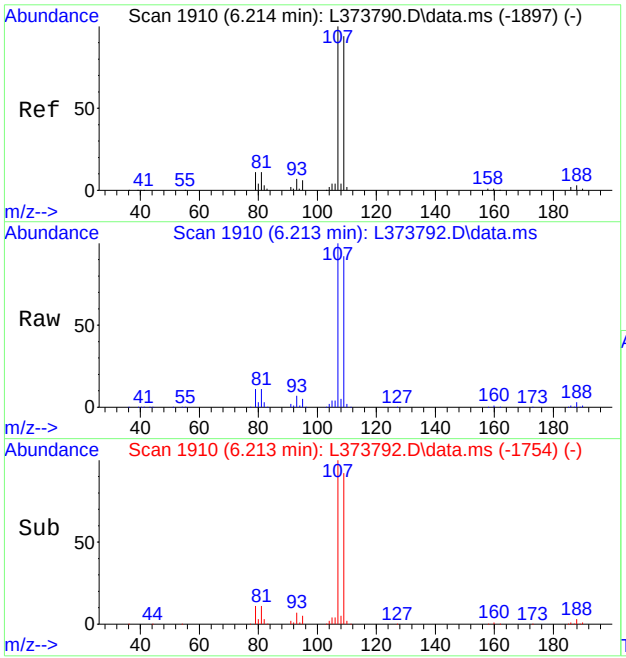


#82
dibromochloromethane
Concen: 197.44 ug/L
RT: 6.108 min Scan# 1877
Delta R.T. -0.000 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion:129 Resp: 614451

Ion	Ratio	Lower	Upper
129	100		
127	76.4	49.0	109.0
131	23.4	0.0	54.6

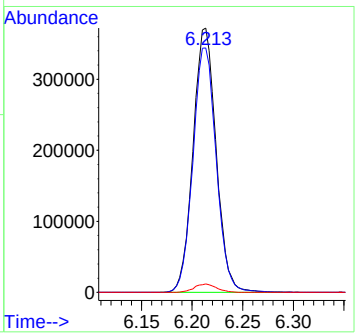


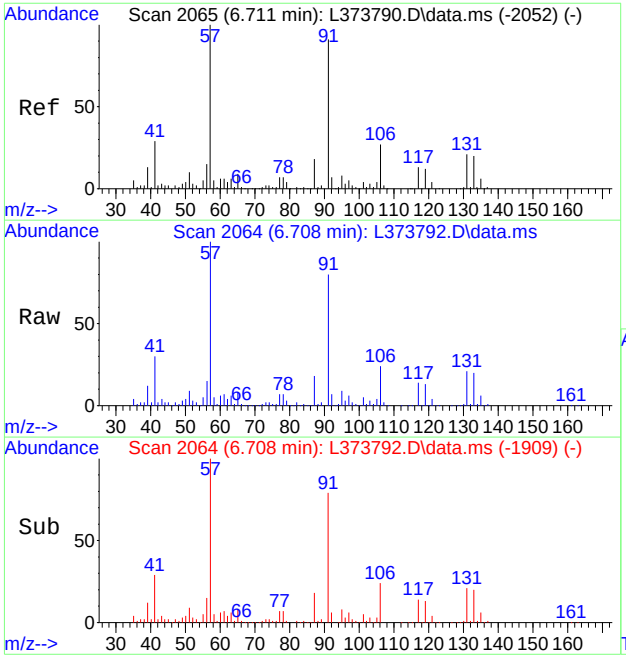


#83
1,2-dibromoethane
Concen: 200.99 ug/L
RT: 6.213 min Scan# 1910
Delta R.T. -0.001 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion:107 Resp: 589203

Ion	Ratio	Lower	Upper
107	100		
109	92.5	63.9	123.9
188	3.2	0.0	33.4

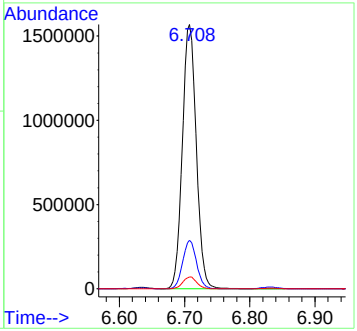


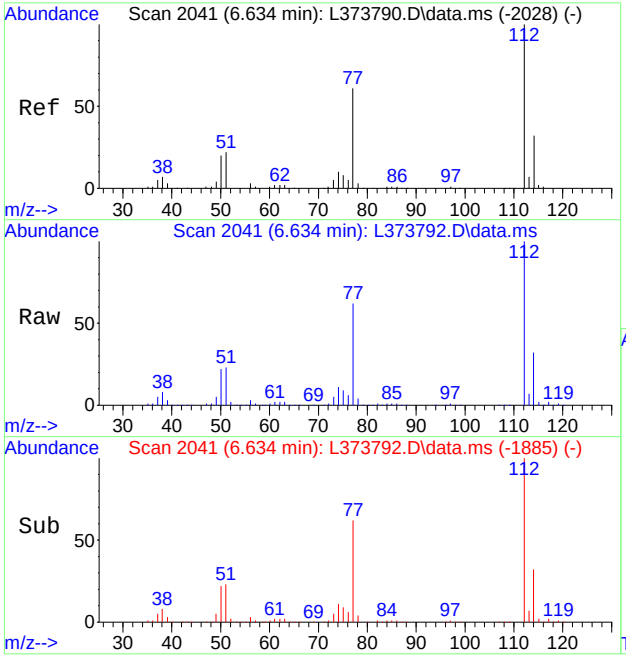


#84
n-butyl ether
Concen: 189.38 ug/L
RT: 6.708 min Scan# 2064
Delta R.T. -0.003 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 57 Resp: 2319921

Ion	Ratio	Lower	Upper
57	100		
87	18.3	0.0	47.8
101	4.5	0.0	34.2

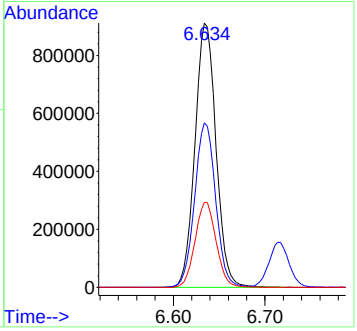


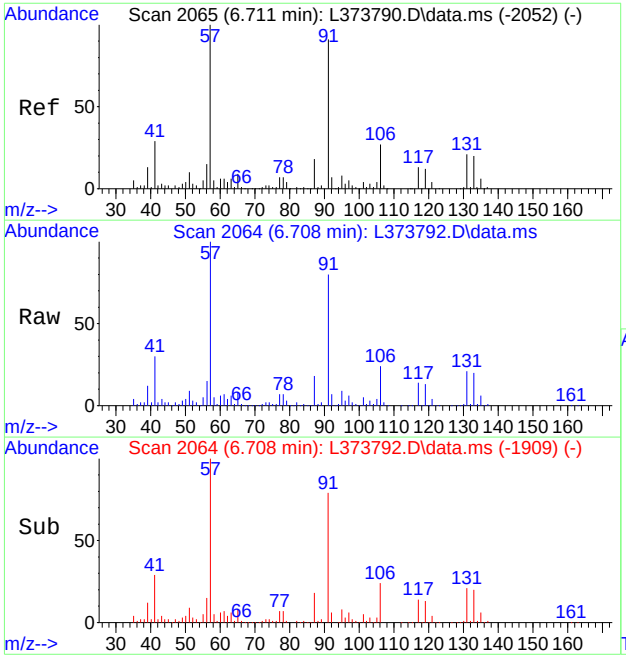


#85
chlorobenzene
Concen: 190.70 ug/L
RT: 6.634 min Scan# 2041
Delta R.T. -0.000 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion:112 Resp: 1457147

Ion	Ratio	Lower	Upper
112	100		
77	62.2	30.8	90.8
114	32.2	2.4	62.4

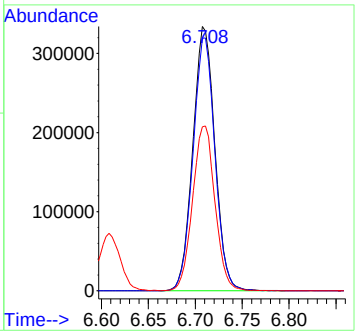


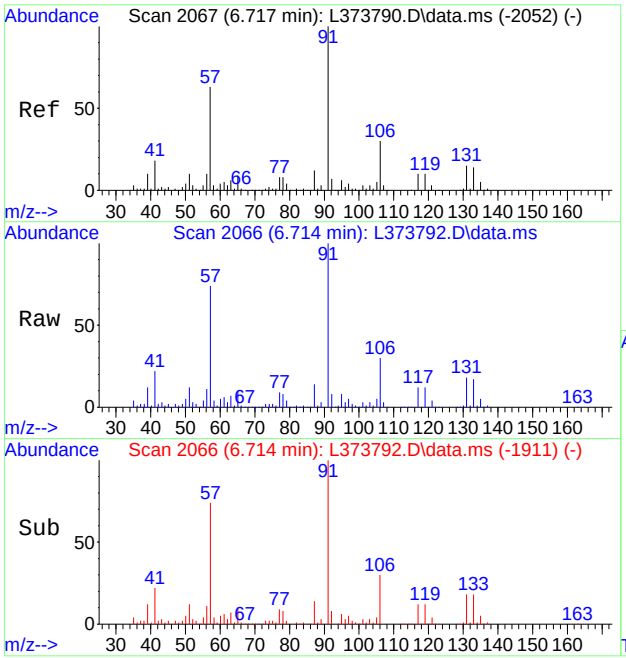


#86
1,1,1,2-tetrachloroethane
Concen: 210.79 ug/L
RT: 6.708 min Scan# 2064
Delta R.T. -0.003 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion:131 Resp: 545052

Ion	Ratio	Lower	Upper
131	100		
133	95.5	65.1	125.1
119	62.0	30.8	90.8

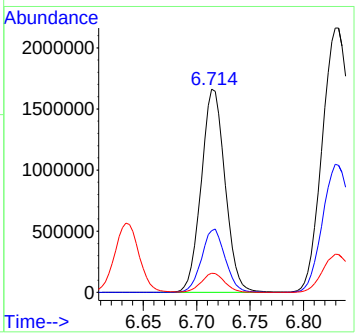


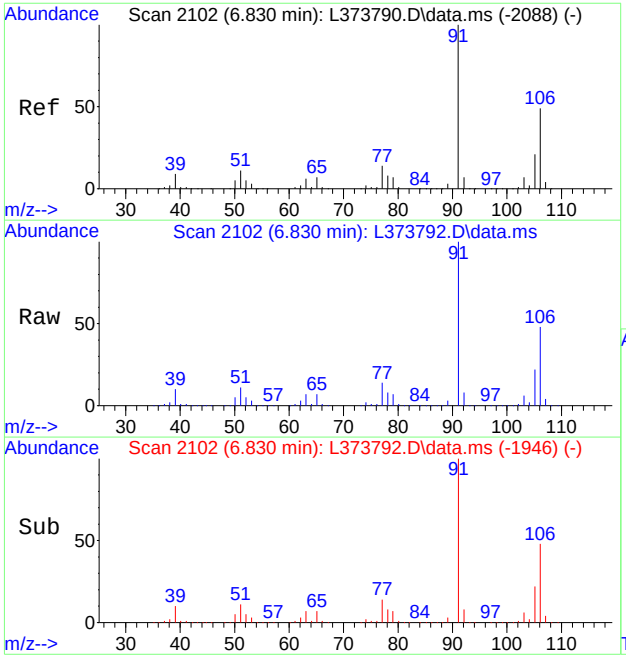


#87
ethylbenzene
Concen: 193.55 ug/L
RT: 6.714 min Scan# 2066
Delta R.T. -0.003 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 91 Resp: 2580263

Ion	Ratio	Lower	Upper
91	100		
106	30.4	0.1	60.1
77	9.4	0.0	38.6

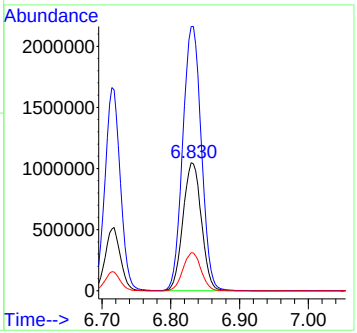


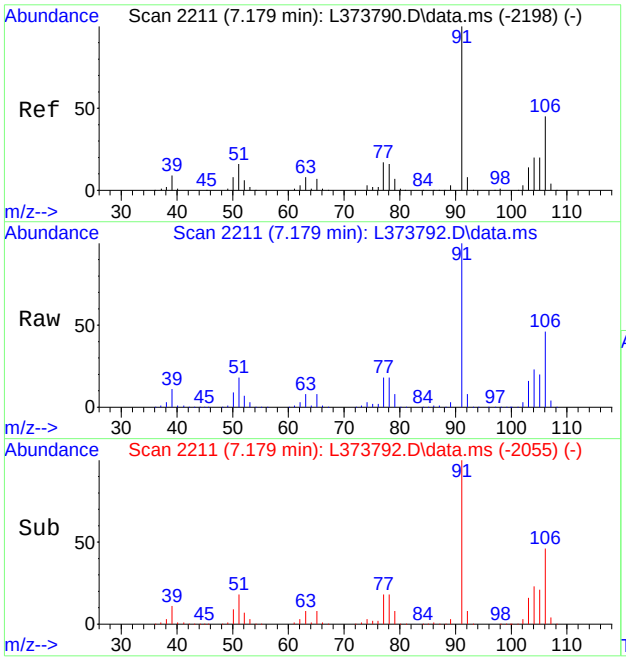


#88
m,p-xylene
Concen: 380.23 ug/L
RT: 6.830 min Scan# 2102
Delta R.T. -0.000 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion:106 Resp: 1952160

Ion	Ratio	Lower	Upper
106	100		
91	206.3	175.7	235.7
77	29.7	8.1	48.1

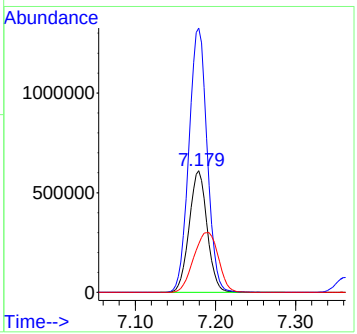


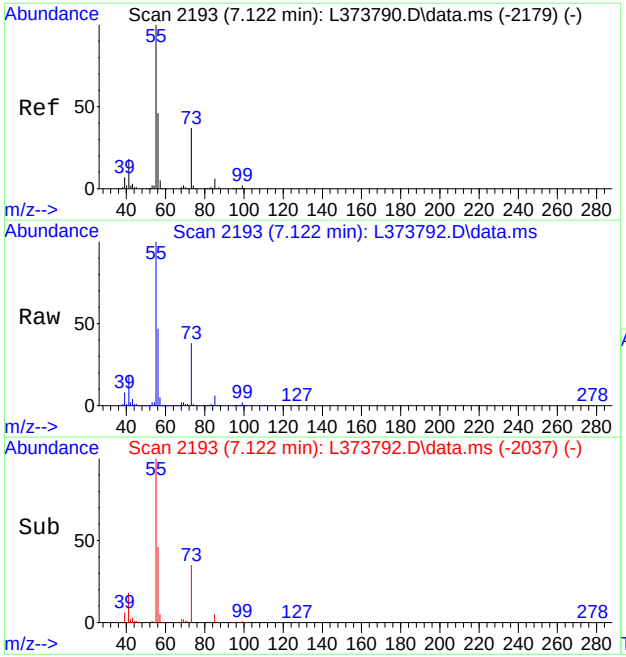


#89
o-xylene
Concen: 189.62 ug/L
RT: 7.179 min Scan# 2211
Delta R.T. 0.000 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion:106 Resp: 951952

Ion	Ratio	Lower	Upper
106	100		
91	217.1	194.5	254.5
77	39.8	18.1	58.1

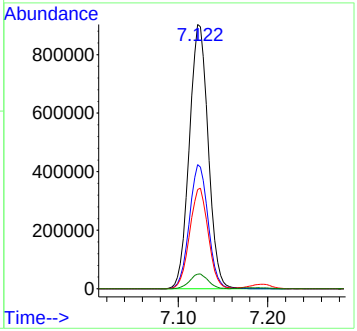


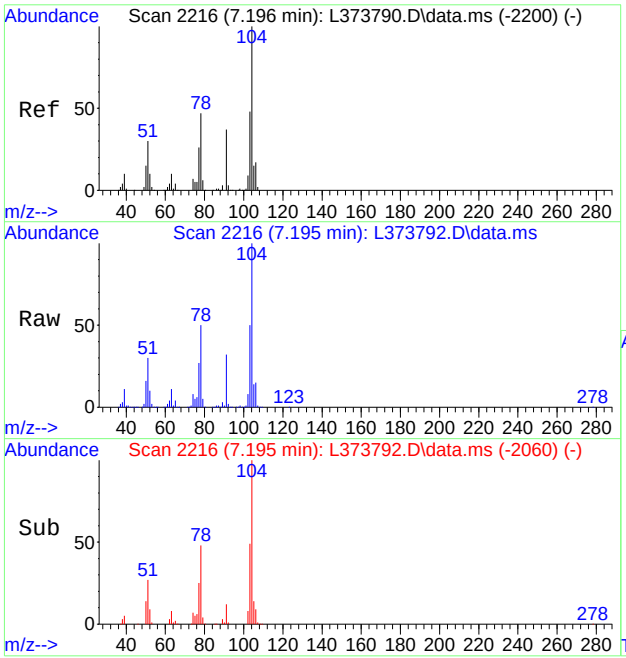


#90
butyl acrylate
Concen: 180.53 ug/L
RT: 7.122 min Scan# 2193
Delta R.T. -0.000 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 55 Resp: 1325718

Ion	Ratio	Lower	Upper
55	100		
56	47.0	26.3	66.3
73	37.6	17.5	57.5
85	5.5	0.0	25.6

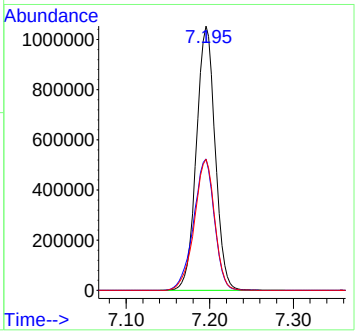


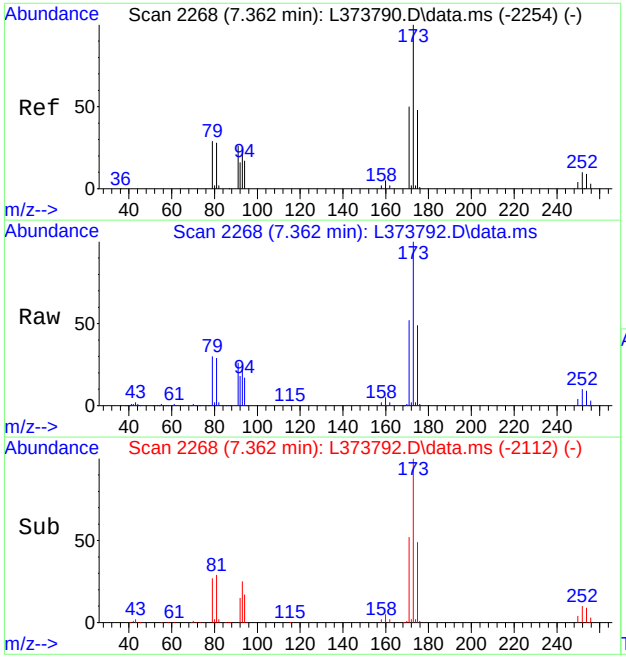


#91
styrene
Concen: 195.03 ug/L
RT: 7.195 min Scan# 2216
Delta R.T. -0.001 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion:104 Resp: 1641668

Ion	Ratio	Lower	Upper
104	100		
78	49.7	16.8	76.8
103	49.6	17.7	77.7

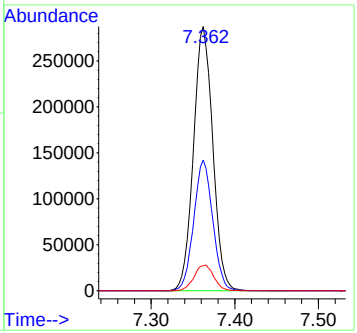


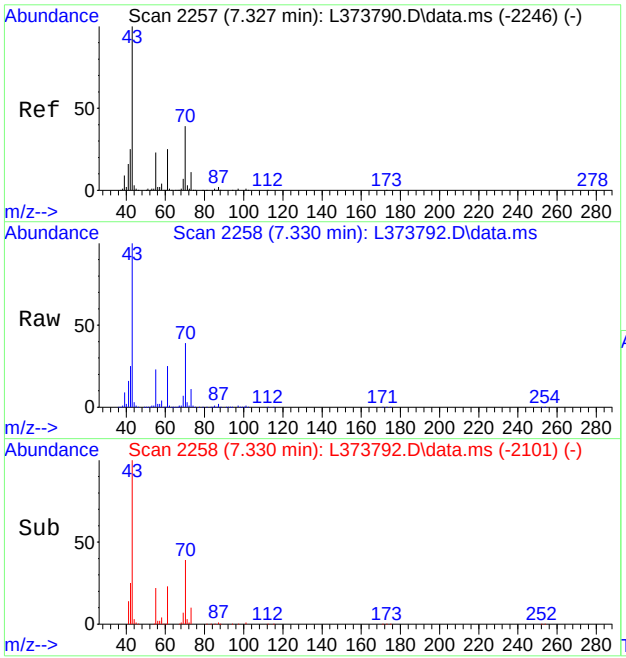


#92
bromoform
Concen: 208.93 ug/L
RT: 7.362 min Scan# 2268
Delta R.T. 0.000 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion:173 Resp: 462086

Ion	Ratio	Lower	Upper
173	100		
175	49.4	17.8	77.8
254	9.5	0.0	39.4

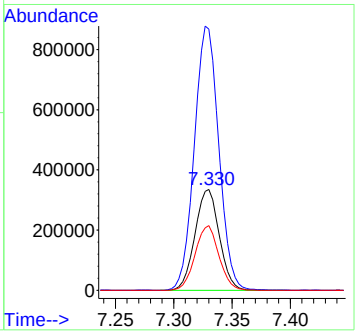


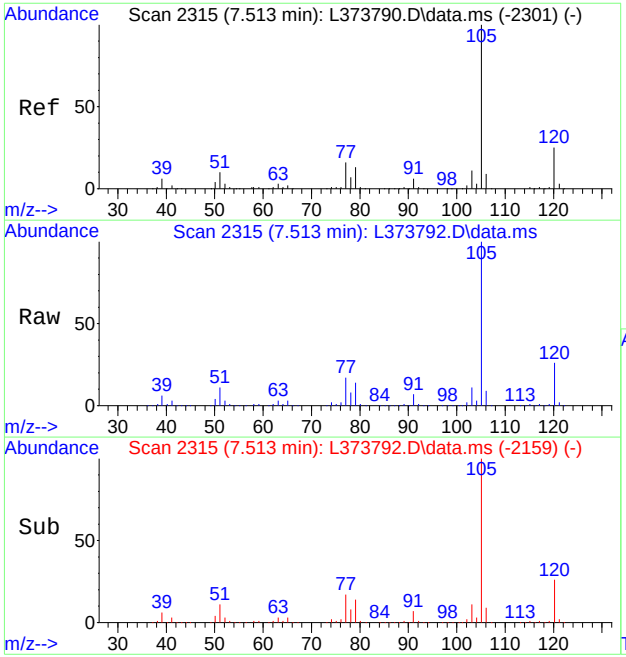


#93
n-amyl acetate
Concen: 177.37 ug/L
RT: 7.330 min Scan# 2258
Delta R.T. 0.003 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 70 Resp: 487433

Ion	Ratio	Lower	Upper
70	100		
43	258.7	233.4	273.4
61	64.2	42.6	82.6

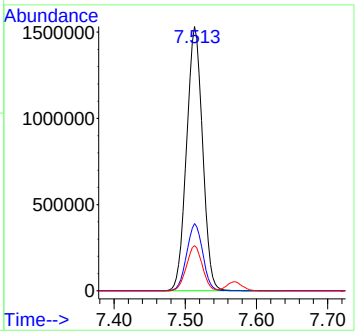


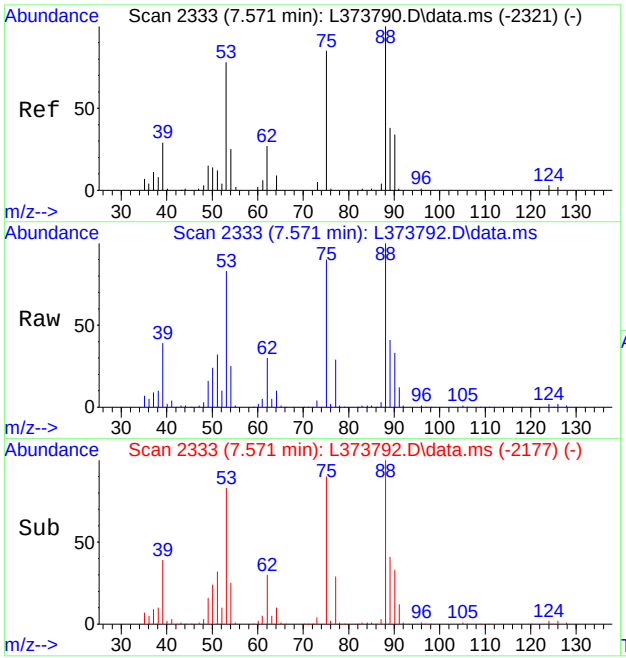


#94
isopropylbenzene
Concen: 197.34 ug/L
RT: 7.513 min Scan# 2315
Delta R.T. 0.000 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion:105 Resp: 2391159

Ion	Ratio	Lower	Upper
105	100		
120	25.5	5.2	45.2
77	17.1	0.0	36.2

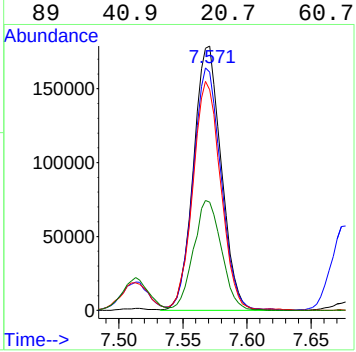


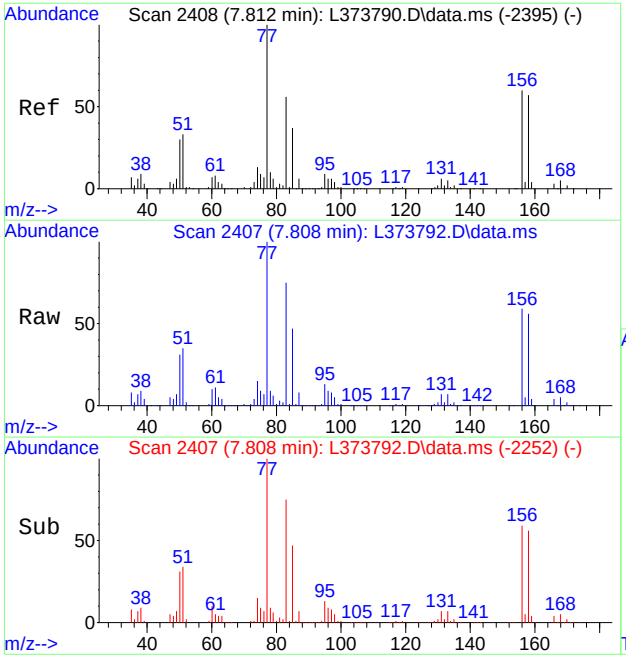


#95
cis-1,4-dichloro-2-butene
Concen: 261.74 ug/L
RT: 7.571 min Scan# 2333
Delta R.T. -0.000 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 88 Resp: 269991

Ion	Ratio	Lower	Upper
88	100		
75	89.8	66.5	106.5
53	83.2	59.7	99.7
89	40.9	20.7	60.7

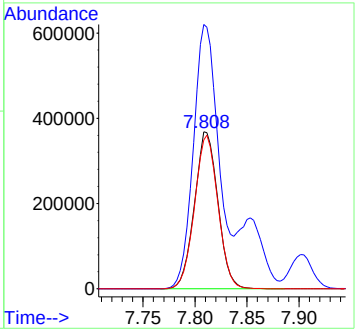


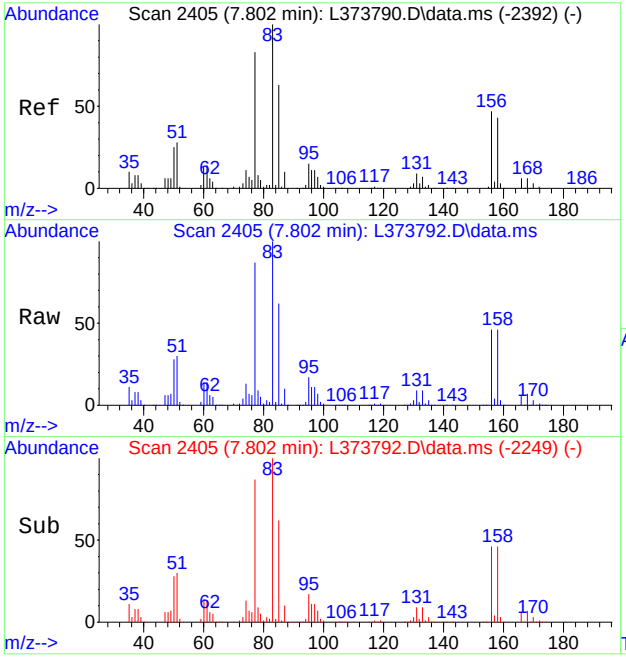


#98
bromobenzene
Concen: 195.59 ug/L
RT: 7.808 min Scan# 2407
Delta R.T. -0.004 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion:156 Resp: 579167

Ion	Ratio	Lower	Upper
156	100		
77	168.5	137.0	197.0
158	94.8	65.5	125.5

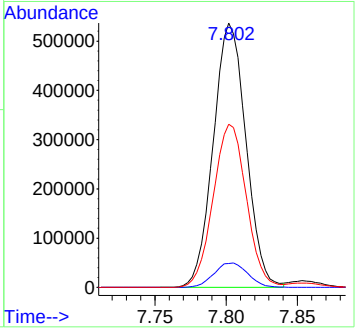


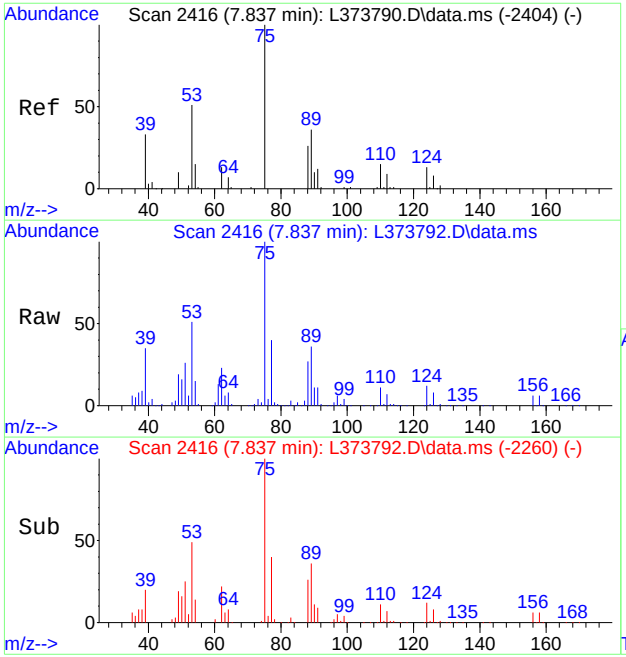


#99
1,1,2,2-tetrachloroethane
Concen: 191.32 ug/L
RT: 7.802 min Scan# 2405
Delta R.T. -0.000 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 83 Resp: 858222

Ion	Ratio	Lower	Upper
83	100		
131	9.0	0.0	38.9
85	61.7	33.3	93.3

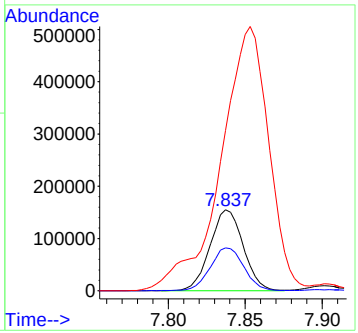


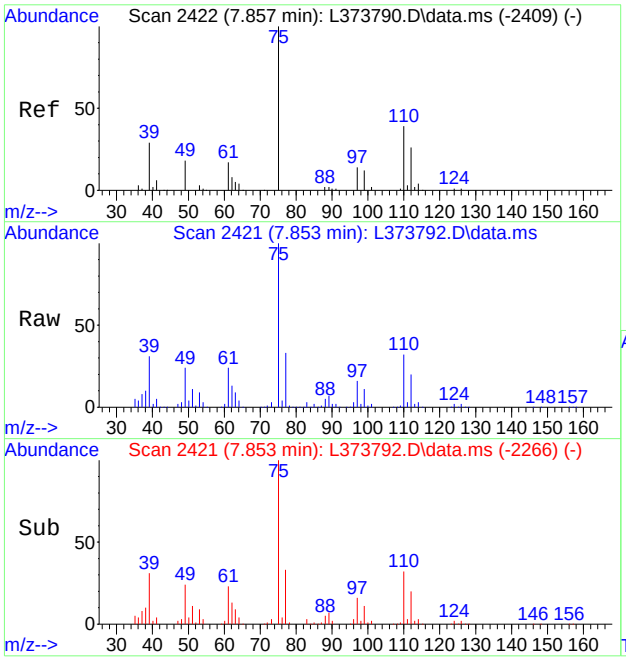


#100
trans-1,4-dichloro-2-butene
Concen: 259.34 ug/L
RT: 7.837 min Scan# 2416
Delta R.T. 0.000 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 53 Resp: 233197

Ion	Ratio	Lower	Upper
53	100		
88	52.6	21.0	81.0
75	184.6	165.8	225.8

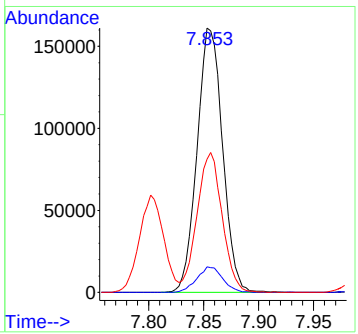


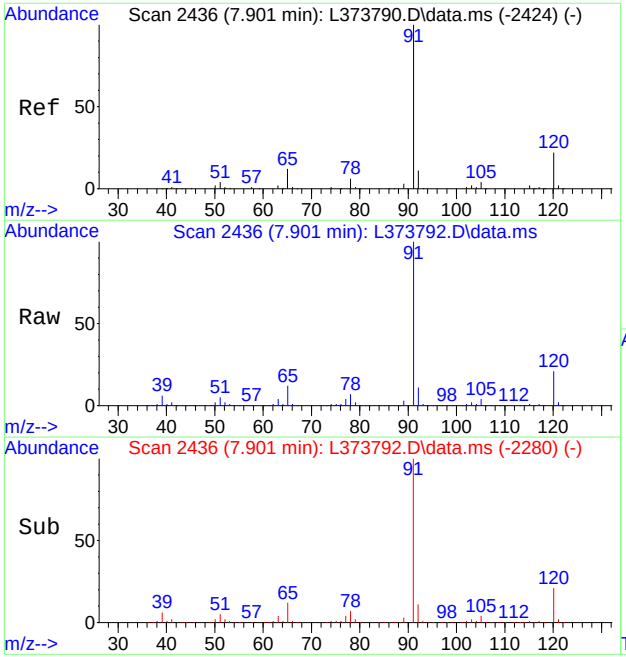


#101
1,2,3-trichloropropane
Concen: 194.17 ug/L
RT: 7.853 min Scan# 2421
Delta R.T. -0.004 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion:110 Resp: 260284

Ion	Ratio	Lower	Upper
110	100		
111	9.7	0.0	38.4
97	50.4	22.5	82.5

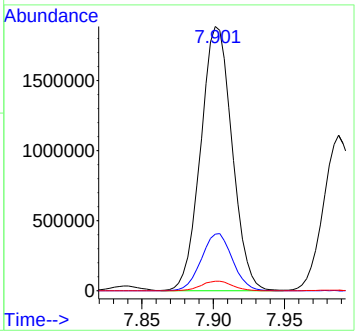


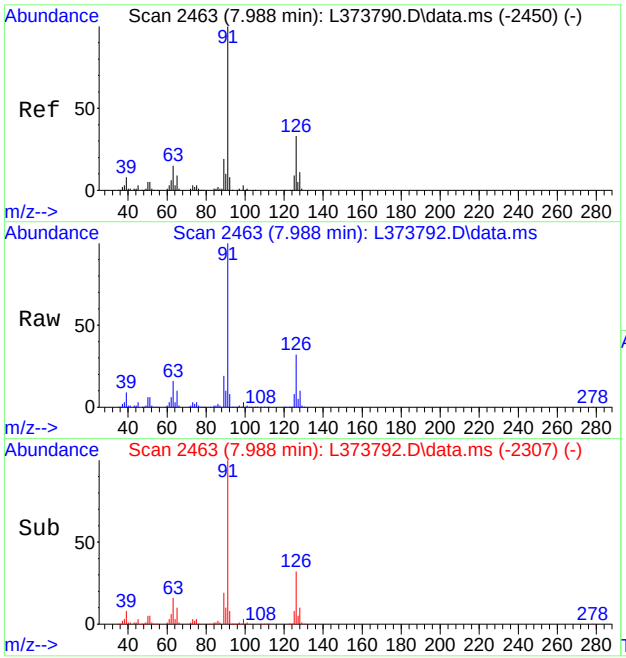


#102
n-propylbenzene
Concen: 202.41 ug/L
RT: 7.901 min Scan# 2436
Delta R.T. 0.000 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 91 Resp: 2896701

Ion	Ratio	Lower	Upper
91	100		
120	21.5	0.0	51.5
105	3.7	0.0	33.7

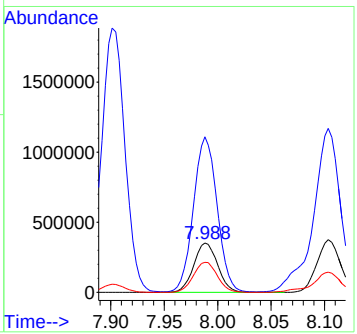


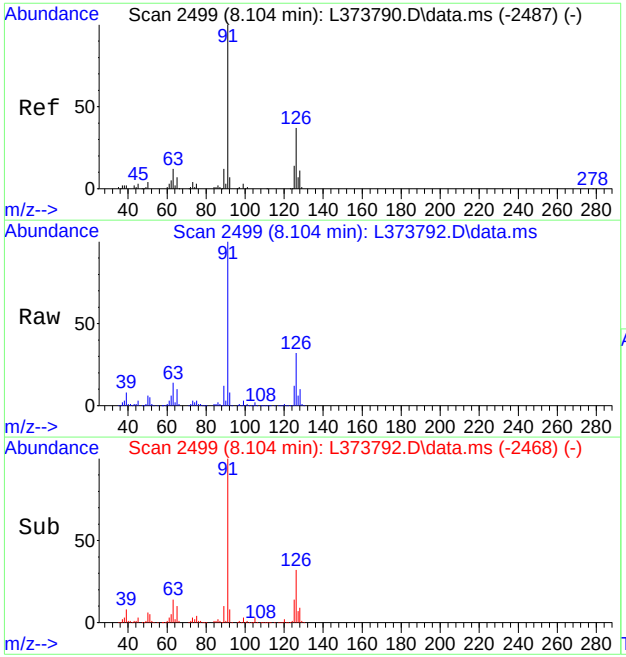


#103
2-chlorotoluene
Concen: 197.48 ug/L
RT: 7.988 min Scan# 2463
Delta R.T. -0.000 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion:126 Resp: 548436

Ion	Ratio	Lower	Upper
126	100		
91	313.5	276.4	336.4
89	60.9	28.8	88.8

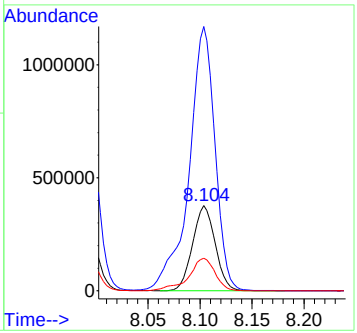


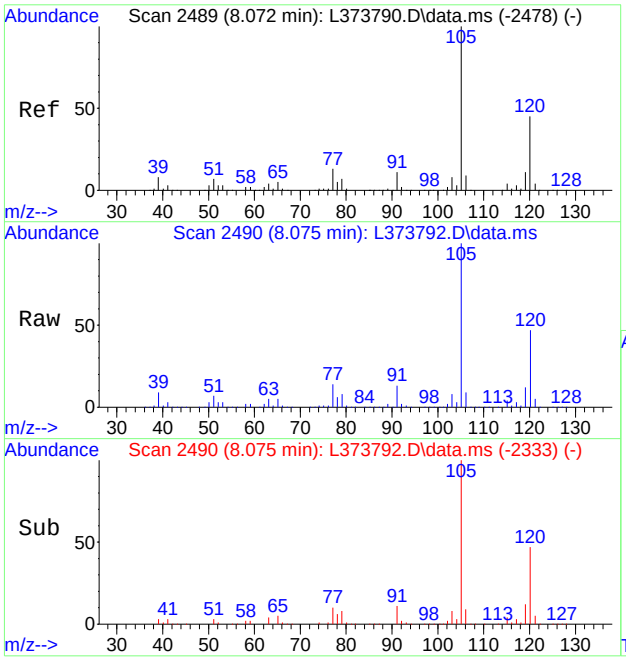


#104
4-chlorotoluene
Concen: 193.90 ug/L
RT: 8.104 min Scan# 2499
Delta R.T. -0.000 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion:126 Resp: 571151

Ion	Ratio	Lower	Upper
126	100		
91	310.2	265.5	325.5
89	38.3	5.5	65.5

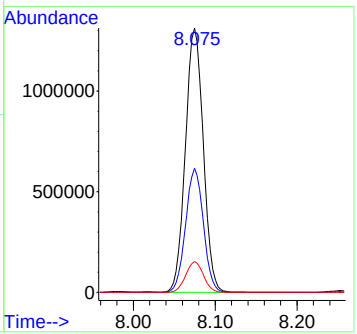


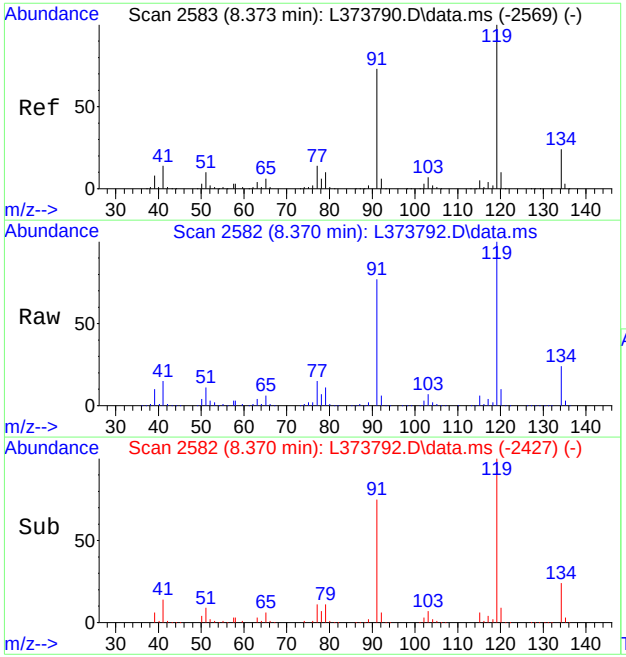


#105
1,3,5-trimethylbenzene
Concen: 200.80 ug/L
RT: 8.075 min Scan# 2490
Delta R.T. 0.003 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion:105 Resp: 2000229

Ion	Ratio	Lower	Upper
105	100		
120	46.9	14.9	74.9
119	11.7	0.0	40.8

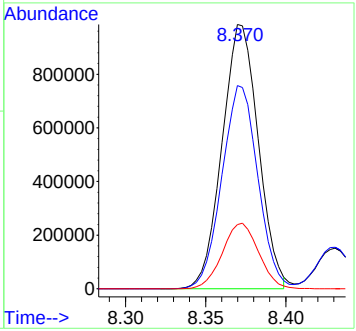


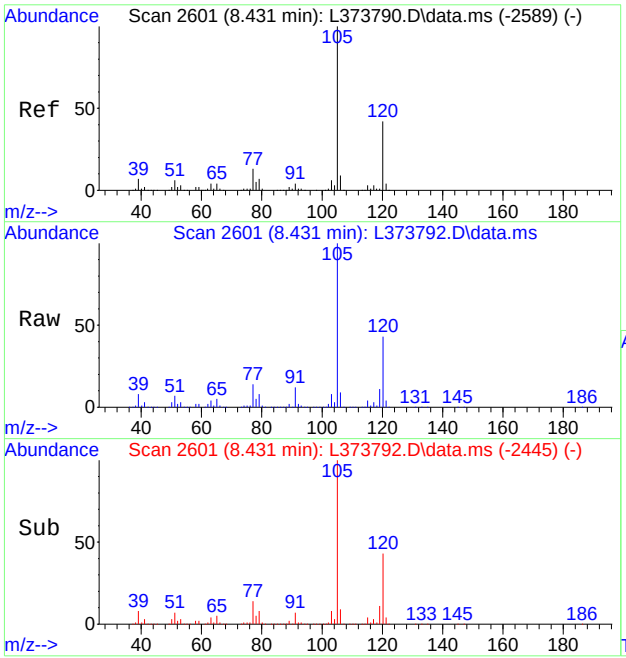


#106
tert-butylbenzene
Concen: 196.89 ug/L
RT: 8.370 min Scan# 2582
Delta R.T. -0.003 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion:119 Resp: 1547133

Ion	Ratio	Lower	Upper
119	100		
91	76.8	42.9	102.9
134	24.3	0.0	54.4

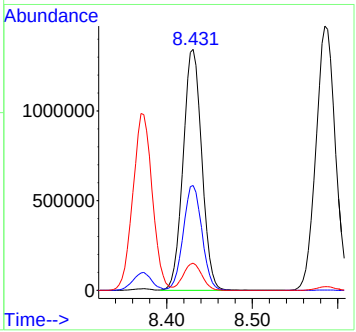


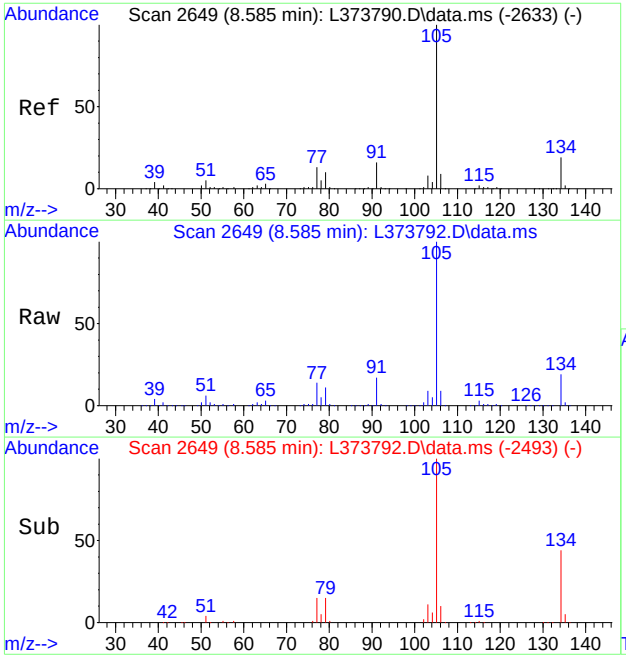


#107
1,2,4-trimethylbenzene
Concen: 202.84 ug/L
RT: 8.431 min Scan# 2601
Delta R.T. -0.000 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion:105 Resp: 2041030

Ion	Ratio	Lower	Upper
105	100		
120	43.5	13.1	73.1
119	11.3	0.0	41.9

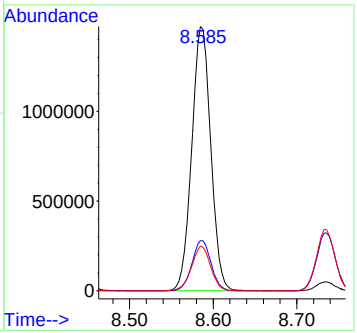


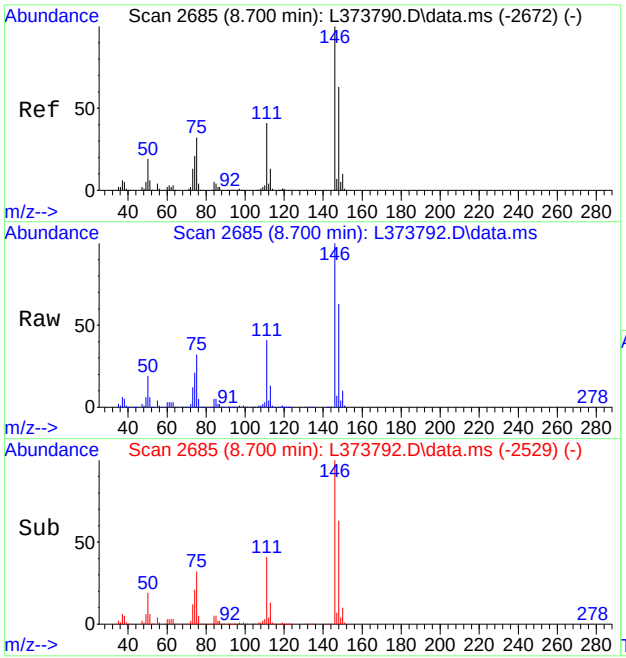


#108
sec-butylbenzene
Concen: 204.03 ug/L
RT: 8.585 min Scan# 2649
Delta R.T. -0.000 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion:105 Resp: 2327396

Ion	Ratio	Lower	Upper
105	100		
134	19.0	0.0	48.8
91	17.0	0.0	45.9

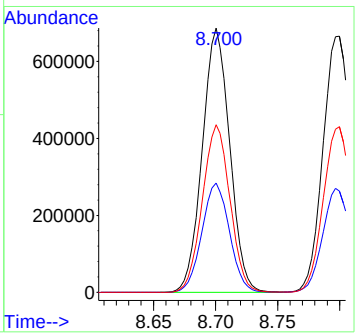


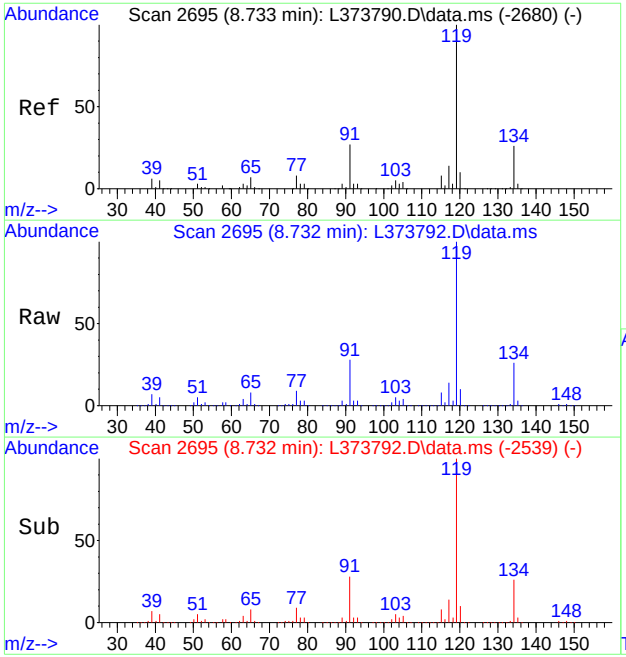


#109
1,3-dichlorobenzene
Concen: 192.46 ug/L
RT: 8.700 min Scan# 2685
Delta R.T. 0.000 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion:146 Resp: 1053931

Ion	Ratio	Lower	Upper
146	100		
111	41.4	11.0	71.0
148	63.4	33.0	93.0

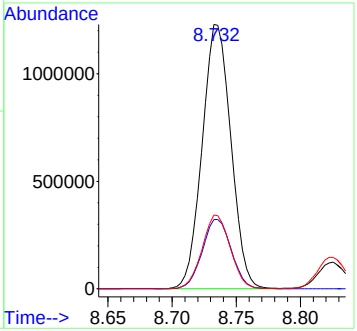


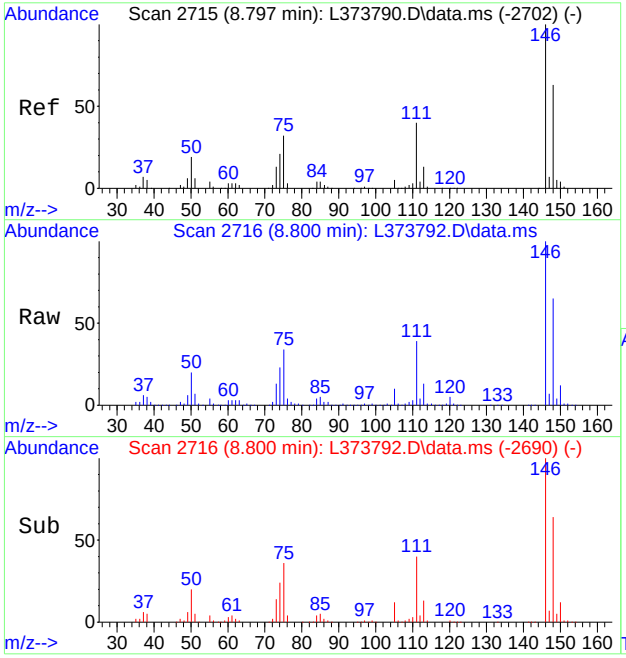


#110
p-isopropyltoluene
Concen: 203.55 ug/L
RT: 8.732 min Scan# 2695
Delta R.T. -0.001 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion:119 Resp: 1919614

Ion	Ratio	Lower	Upper
119	100		
134	26.1	0.0	56.5
91	27.9	0.0	56.9

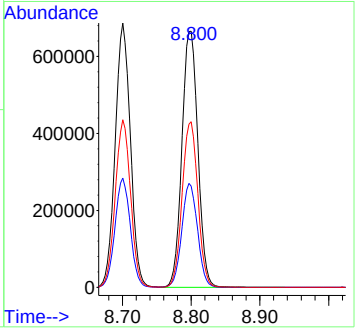


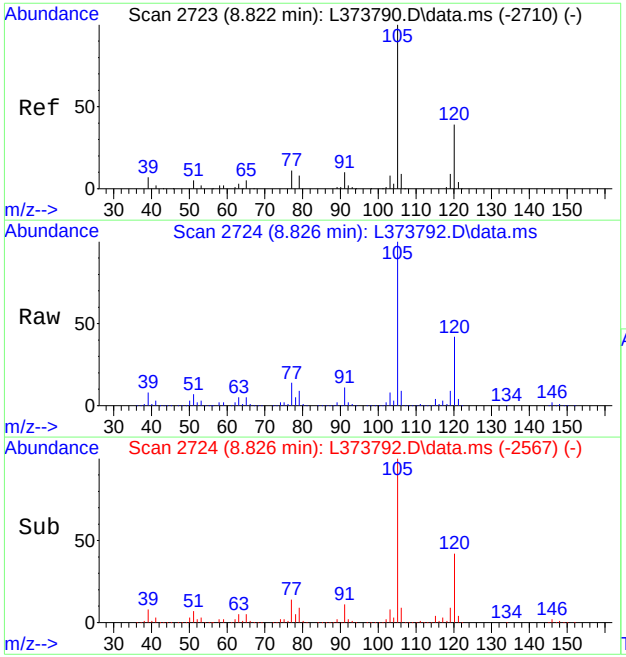


#111
1,4-dichlorobenzene
Concen: 189.73 ug/L
RT: 8.800 min Scan# 2716
Delta R.T. 0.003 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion:146 Resp: 1073335

Ion	Ratio	Lower	Upper
146	100		
111	39.5	9.7	69.7
148	64.7	33.0	93.0

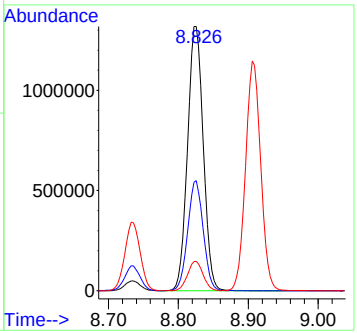


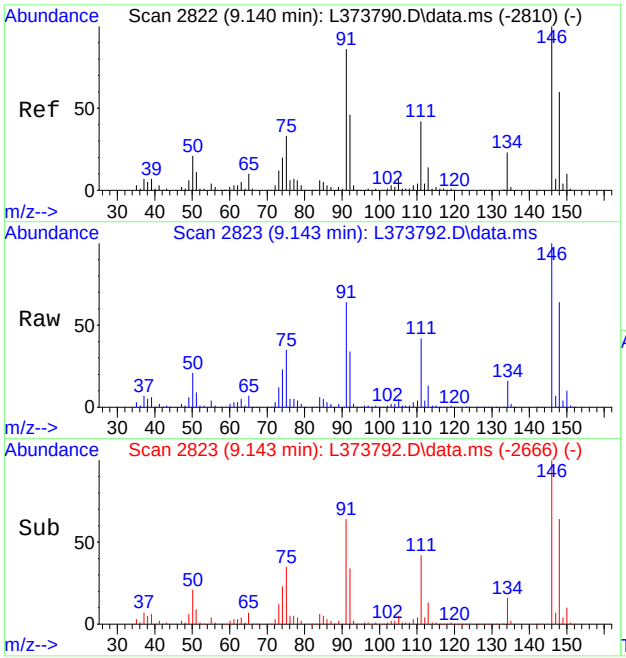


#112
1,2,3-trimethylbenzene
Concen: 194.11 ug/L
RT: 8.826 min Scan# 2724
Delta R.T. 0.004 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion:105 Resp: 2063417

Ion	Ratio	Lower	Upper
105	100		
120	41.7	8.8	68.8
91	11.0	0.0	40.2

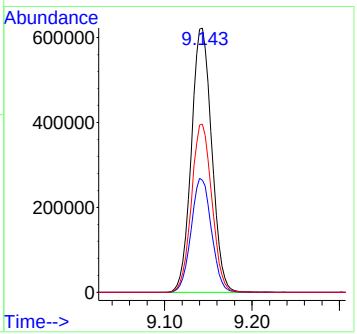


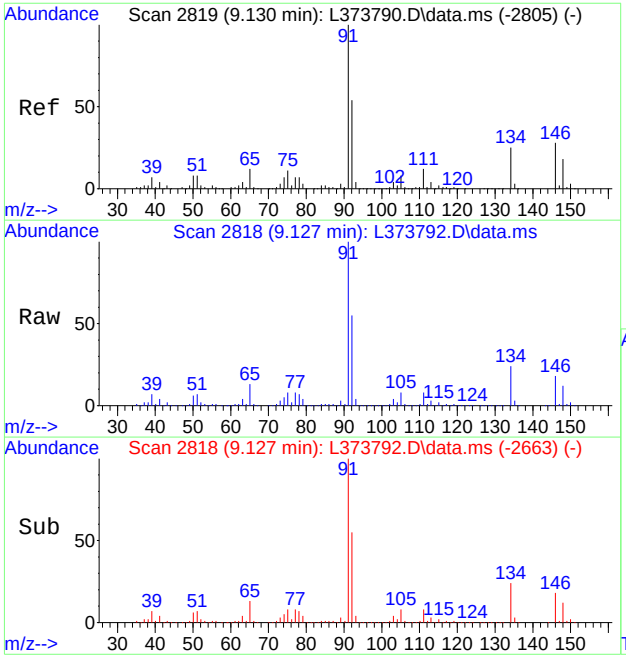


#113
1,2-dichlorobenzene
Concen: 192.03 ug/L
RT: 9.143 min Scan# 2823
Delta R.T. 0.003 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion:146 Resp: 1010128

Ion	Ratio	Lower	Upper
146	100		
111	42.4	12.1	72.1
148	63.6	30.4	90.4

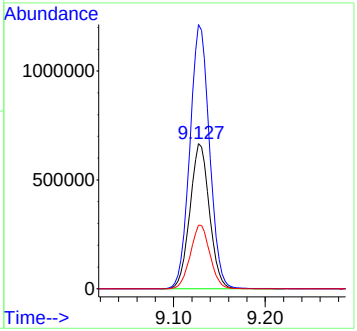


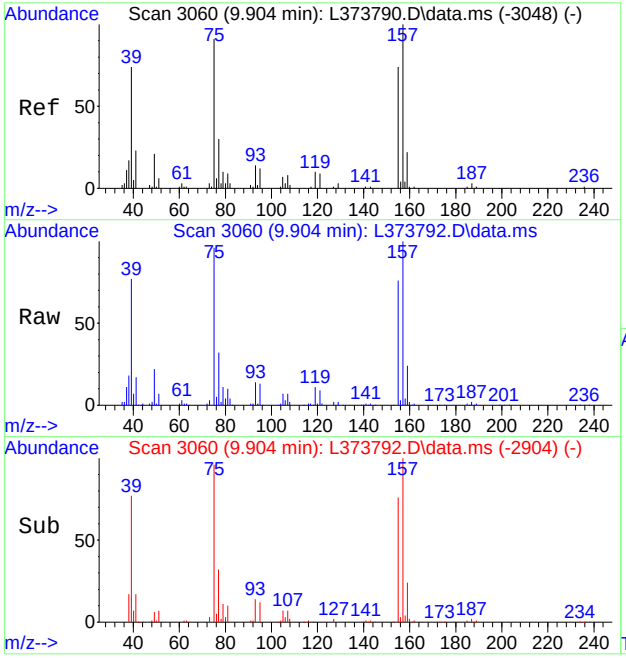


#114
n-butylbenzene
Concen: 209.12 ug/L
RT: 9.127 min Scan# 2818
Delta R.T. -0.003 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 92 Resp: 982510

Ion	Ratio	Lower	Upper
92	100		
91	182.0	155.4	215.4
134	43.8	15.6	75.6

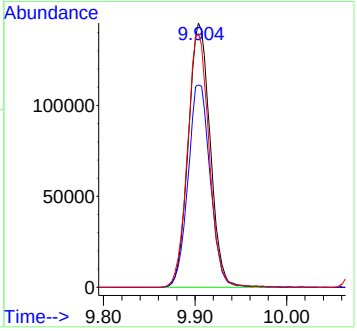


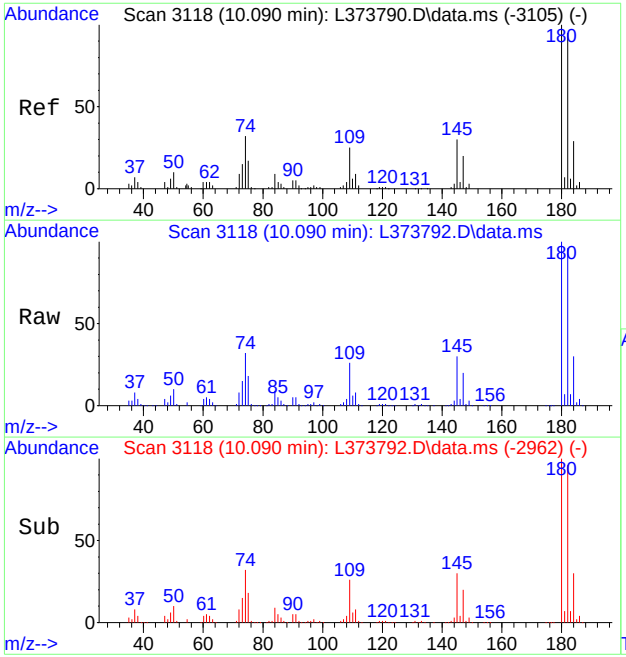


#115
1,2-dibromo-3-chloropropane
Concen: 199.32 ug/L
RT: 9.904 min Scan# 3060
Delta R.T. -0.000 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion:157 Resp: 240836

Ion	Ratio	Lower	Upper
157	100		
155	76.5	44.1	104.1
75	96.0	60.9	120.9

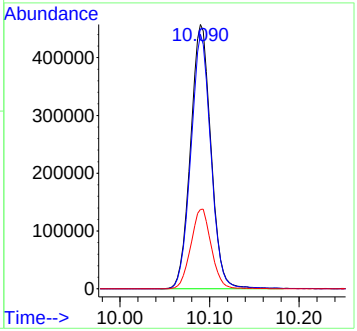


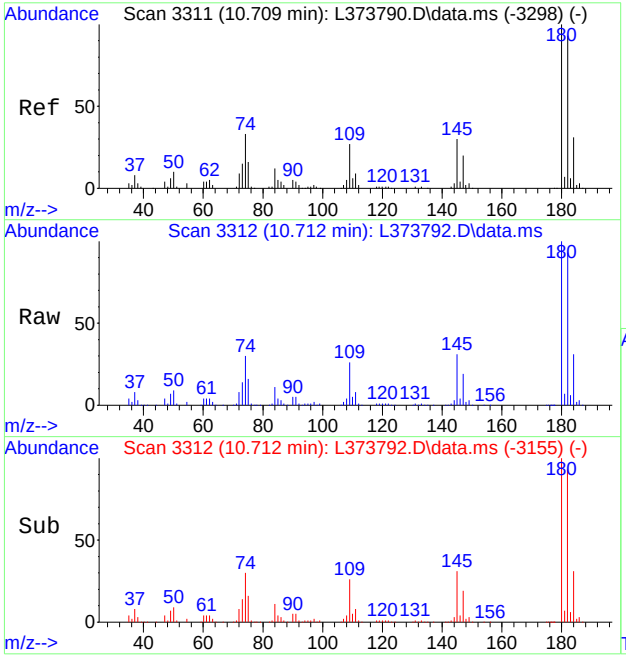


#116
1,3,5-trichlorobenzene
Concen: 213.63 ug/L
RT: 10.090 min Scan# 3118
Delta R.T. -0.000 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion:180 Resp: 723235

Ion	Ratio	Lower	Upper
180	100		
182	96.2	65.0	125.0
184	30.1	0.0	59.4

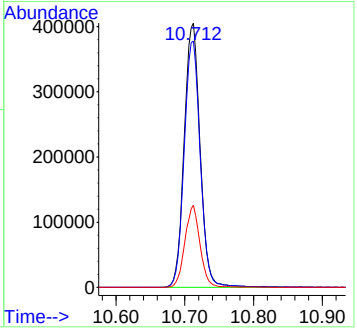


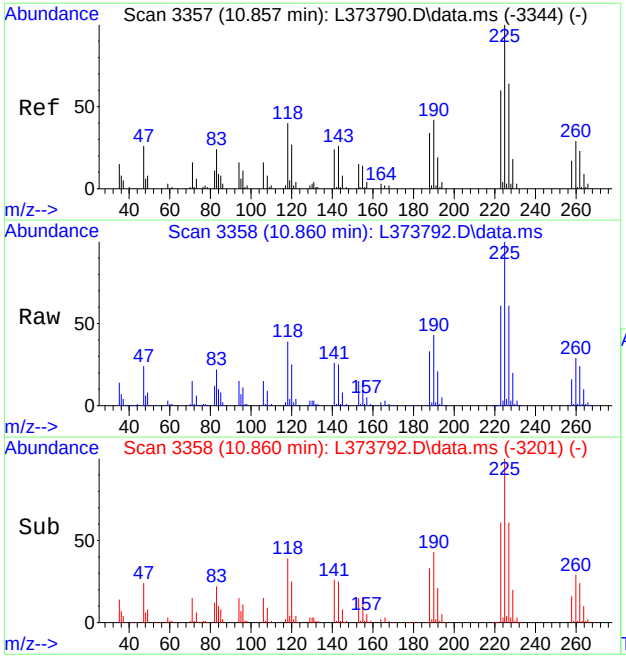


#117
1,2,4-trichlorobenzene
Concen: 218.51 ug/L
RT: 10.712 min Scan# 3312
Delta R.T. 0.003 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion:180 Resp: 651975

Ion	Ratio	Lower	Upper
180	100		
182	93.2	63.1	123.1
184	31.0	0.8	60.8

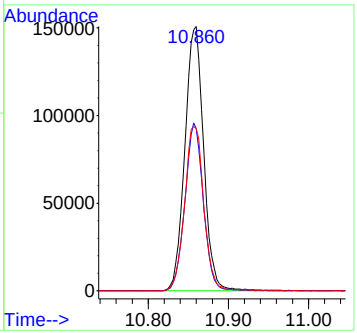


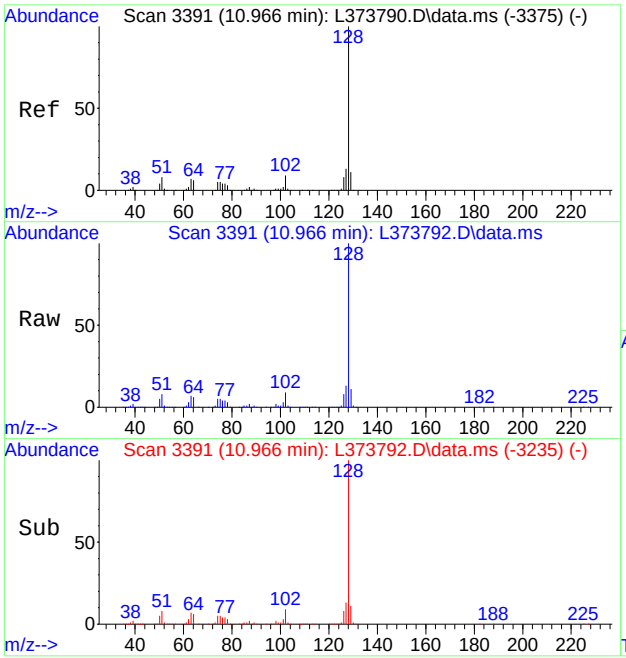


#118
hexachlorobutadiene
Concen: 219.44 ug/L
RT: 10.860 min Scan# 3358
Delta R.T. 0.003 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion:225 Resp: 246050

Ion	Ratio	Lower	Upper
225	100		
223	61.3	30.0	90.0
227	61.4	33.8	93.8

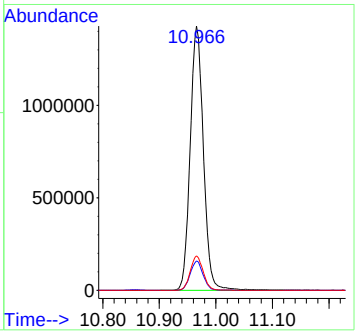


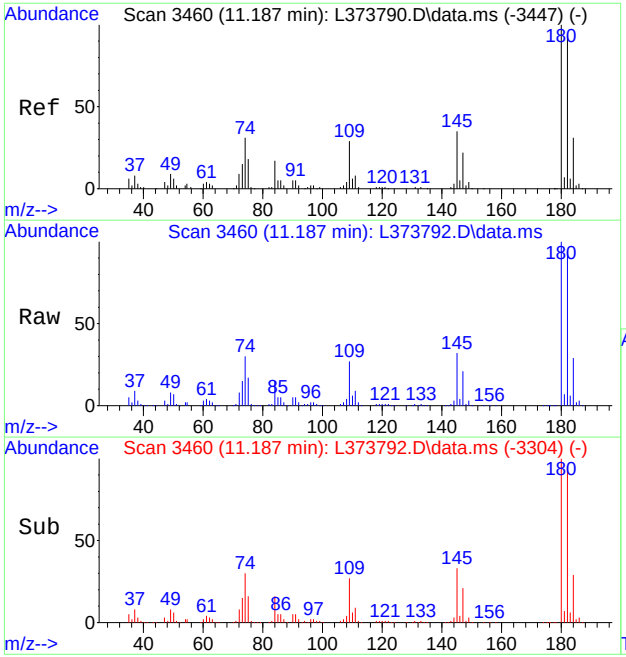


#119
naphthalene
Concen: 209.62 ug/L
RT: 10.966 min Scan# 3391
Delta R.T. -0.000 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion:128 Resp: 2318752

Ion	Ratio	Lower	Upper
128	100		
129	11.2	0.0	41.1
127	13.1	0.0	42.9

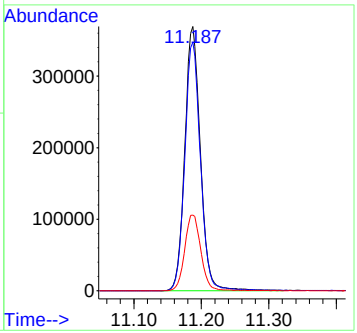


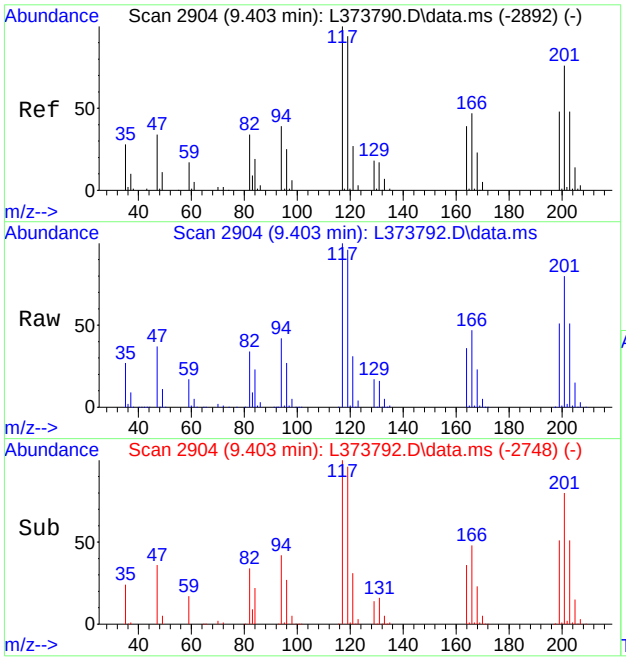


#120
1,2,3-trichlorobenzene
Concen: 209.33 ug/L
RT: 11.187 min Scan# 3460
Delta R.T. 0.000 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion:180 Resp: 595178

Ion	Ratio	Lower	Upper
180	100		
182	94.0	63.9	123.9
184	28.6	1.2	61.2

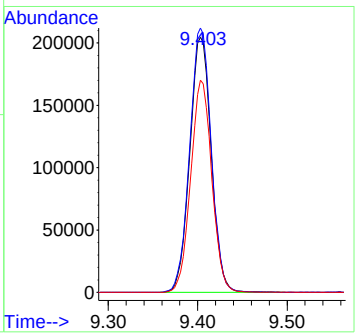


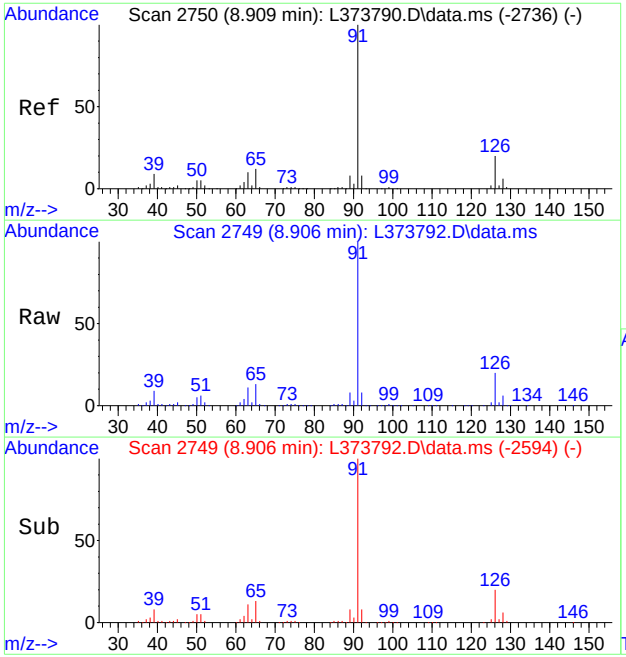


#121
hexachloroethane
Concen: 237.03 ug/L
RT: 9.403 min Scan# 2904
Delta R.T. 0.000 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion:119 Resp: 340927

Ion	Ratio	Lower	Upper
119	100		
117	103.6	76.2	136.2
201	83.1	51.2	111.2

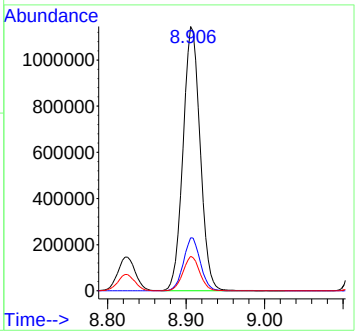


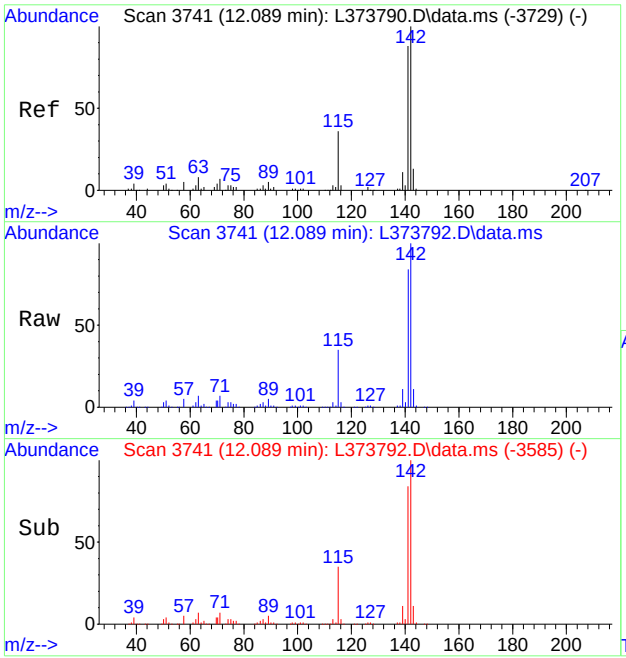


#122
benzyl chloride
Concen: 197.76 ug/L
RT: 8.906 min Scan# 2749
Delta R.T. -0.003 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 91 Resp: 1730767

Ion	Ratio	Lower	Upper
91	100		
126	20.0	0.0	49.8
65	13.1	0.0	41.8

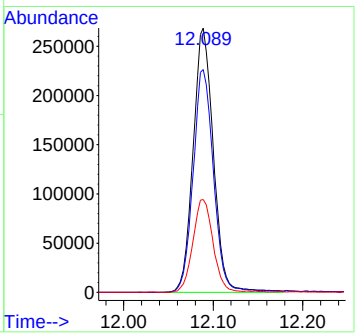




#123
2-methylnaphthalene
Concen: 99.02 ug/L
RT: 12.089 min Scan# 3741
Delta R.T. -0.000 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion:142 Resp: 422587

Ion	Ratio	Lower	Upper
142	100		
141	84.3	68.0	108.0
115	35.1	15.9	55.9



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373795.D
Acq On : 16 Oct 2025 11:03 pm
Operator : BridgetK
Sample : icv11472-50
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 17 13:46:59 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 13:39:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	2.607	65	280982	500.00	ug/L	0.00
5) pentafluorobenzene	3.749	168	239875	50.00	ug/L	0.00
51) 1,4-difluorobenzene	4.285	114	423331	50.00	ug/L	0.00
72) chlorobenzene-d5	6.608	117	316133	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	8.771	152	152767	50.00	ug/L	0.00
124) pentafluorobenzene(a)	3.749	168	239875	50.00	ug/L	0.00
131) 1,4-dichlorobenzene-d4(a)	8.771	152	152767	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	3.749	113	125729	50.21	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.42%			
52) 1,2-dichloroethane-d4 (s)	3.987	65	147306	47.83	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 95.66%			
73) toluene-d8 (s)	5.389	98	473927	51.69	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 103.38%			
97) 4-bromofluorobenzene (s)	7.677	95	162321	49.52	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.04%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.699	88	95311	1229.5866	ug/L	91
3) ethanol	2.087	45	295935	5009.7544	ug/L	97
4) tertiary butyl alcohol	2.658	59	207452	238.7741	ug/L	98
7) dichlorodifluoromethane	1.349	85	171292	48.2117	ug/L	97
8) chloromethane	1.484	50	153817	45.1082	ug/L	99
9) vinyl chloride	1.554	62	156370	46.3384	ug/L	100
10) 1,3-butadiene	1.580	54	128862	41.2761	ug/L	98
11) bromomethane	1.766	96	62912	74.9741	ug/L	95
12) chloroethane	1.837	64	82899	58.5617	ug/L	97
13) trichlorofluoromethane	1.994	101	215416	50.2029	ug/L	98
14) ethyl ether	2.161	74	73419	51.3729	ug/L	98
15) acrolein	2.251	56	32749	53.4799	ug/L	96
16) freon 113	2.318	151	91371	50.5349	ug/L	97
17) 1,1-dichloroethene	2.321	96	113244	50.1160	ug/L	98
18) acetone	2.334	58	85623	192.5560	ug/L	99
19) acetonitrile	2.511	40	187595	538.3885	ug/L	100
20) iodomethane	2.421	142	77091	43.1102	ug/L	98
21) iso-butyl alcohol	3.897	43	149409	494.1890	ug/L	99
22) carbon disulfide	2.472	76	334073	47.0033	ug/L	100
23) methylene chloride	2.623	84	134539	48.2433	ug/L	100
24) methyl acetate	2.523	74	40626	57.8343	ug/L	97
25) methyl tert butyl ether	2.777	73	408680	54.6715	ug/L	98
26) trans-1,2-dichloroethene	2.790	96	130363	50.7388	ug/L	98
27) hexane	2.957	57	159818	50.3550	ug/L	100
28) di-isopropyl ether	3.066	45	405737	51.8533	ug/L	94
29) ethyl tert-butyl ether	3.297	59	406437	50.5701	ug/L	98
30) 2-butanone	3.409	72	116268	207.8600	ug/L	94
31) 1,1-dichloroethane	3.066	63	247541	51.0044	ug/L	99
32) chloroprene	3.114	53	216108	51.7558	ug/L	98
33) acrylonitrile	2.758	53	80159	59.8426	ug/L	94
34) vinyl acetate	3.046	86	28961	45.6028	ug/L #	89
35) ethyl acetate	3.425	45	34834	50.3387	ug/L #	80
36) 2,2-dichloropropane	3.435	77	215301	49.2376	ug/L	98
37) cis-1,2-dichloroethene	3.432	96	145861	51.6684	ug/L	97
38) propionitrile	3.454	54	368958	484.1596	ug/L	94
39) methyl acrylate	3.460	85	31920	53.5779	ug/L	98
40) bromochloromethane	3.586	128	63758	51.2859	ug/L	98
41) tetrahydrofuran	3.595	72	31386	45.0274	ug/L	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373795.D
Acq On : 16 Oct 2025 11:03 pm
Operator : BridgetK
Sample : icv11472-50
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 17 13:46:59 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 13:39:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
42) chloroform	3.643	83	249139	46.2582 ug/L	96
44) methacrylonitrile	3.550	67	80835	49.7378 ug/L	93
45) 1,1,1-trichloroethane	3.768	97	225875	52.9645 ug/L	97
46) cyclohexane	3.823	84	185960	52.4756 ug/L	97
47) 1,1-dichloropropene	3.871	75	191077	55.2488 ug/L	97
48) carbon tetrachloride	3.874	117	181577	52.2331 ug/L	99
49) isopropyl acetate	4.006	87	38807	50.3010 ug/L #	90
50) tert amyl alcohol	3.980	55	65016	215.2670 ug/L	94
53) tert-amyl methyl ether	4.080	73	396377	48.1053 ug/L	99
54) 2,2,4-trimethylpentane	4.077	57	316077	51.5423 ug/L	98
55) n-butyl alcohol	4.359	56	513677	2121.1526 ug/L	99
56) benzene	4.009	78	544247	49.4085 ug/L	99
57) heptane	4.189	57	71199	54.7674 ug/L	97
58) 1,2-dichloroethane	4.038	62	200369	47.7861 ug/L	99
59) trichloroethene	4.465	95	143545	51.7598 ug/L	97
60) ethyl acrylate	4.497	55	239560	48.2659 ug/L	100
61) 2-nitropropane	5.001	41	68725	46.6652 ug/L	95
62) 2-chloroethyl vinyl ether	5.039	63	172438	180.8187 ug/L	98
63) methyl methacrylate	4.667	100	54689	59.4877 ug/L	90
64) 1,2-dichloropropane	4.654	63	138296	49.1855 ug/L	99
65) methylcyclohexane	4.641	83	212430	55.8772 ug/L	89
66) dibromomethane	4.721	93	91592	47.2815 ug/L	95
67) bromodichloromethane	4.840	83	191040	47.6098 ug/L	99
68) cis-1,3-dichloropropene	5.174	75	220429	49.0060 ug/L	98
69) epichlorohydrin	5.087	57	129472	225.8018 ug/L	99
70) 4-methyl-2-pentanone	5.277	58	321657	181.9640 ug/L	98
71) 3-methyl-1-butanol	5.312	70	192738	851.8002 ug/L	98
74) toluene	5.444	92	324424	49.9958 ug/L	96
75) trans-1,3-dichloropropene	5.620	75	208819	51.6131 ug/L	98
76) ethyl methacrylate	5.649	69	145736	35.6505 ug/L	99
77) 1,1,2-trichloroethane	5.784	83	107020	49.7438 ug/L	94
78) 2-hexanone	5.954	58	338480	183.5539 ug/L	99
79) tetrachloroethene	5.864	166	135448	51.9665 ug/L	97
80) 1,3-dichloropropane	5.922	76	211951	51.1186 ug/L	99
81) butyl acetate	6.044	56	112850	46.4422 ug/L	98
82) dibromochloromethane	6.105	129	136093	49.0449 ug/L	99
83) 1,2-dibromoethane	6.210	107	134188	51.3366 ug/L	99
84) n-butyl ether	6.705	57	553245	50.6486 ug/L	100
85) chlorobenzene	6.634	112	329673	48.3870 ug/L	99
86) 1,1,1,2-tetrachloroethane	6.708	131	121048	52.5014 ug/L	98
87) ethylbenzene	6.714	91	600025	50.4773 ug/L	99
88) m,p-xylene	6.830	106	454360	99.2497 ug/L	99
89) o-xylene	7.176	106	225158	50.2995 ug/L	98
90) butyl acrylate	7.122	55	311033	47.5025 ug/L	99
91) styrene	7.196	104	284335	37.8827 ug/L	97
92) bromoform	7.359	173	97377	49.3786 ug/L	95
93) n-amyl acetate	7.327	70	115414	47.1000 ug/L	99
94) isopropylbenzene	7.510	105	526045	48.6888 ug/L	99
95) cis-1,4-dichloro-2-butene	7.568	88	50634	55.0511 ug/L	97
98) bromobenzene	7.808	156	134042	49.4418 ug/L	97
99) 1,1,2,2-tetrachloroethane	7.799	83	192654	46.9076 ug/L	98
100) trans-1,4-dichloro-2-b...	7.834	53	43560	52.9105 ug/L	88
101) 1,2,3-trichloropropane	7.853	110	55974	45.6062 ug/L	99
102) n-propylbenzene	7.898	91	651581	49.7282 ug/L	100
103) 2-chlorotoluene	7.988	126	125638	49.4113 ug/L	97
104) 4-chlorotoluene	8.104	126	131066	48.5984 ug/L	97
105) 1,3,5-trimethylbenzene	8.072	105	461782	50.6314 ug/L	98
106) tert-butylbenzene	8.370	119	393699	54.7231 ug/L	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373795.D
Acq On : 16 Oct 2025 11:03 pm
Operator : BridgetK
Sample : icv11472-50
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 17 13:46:59 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 13:39:16 2025
Response via : Initial Calibration

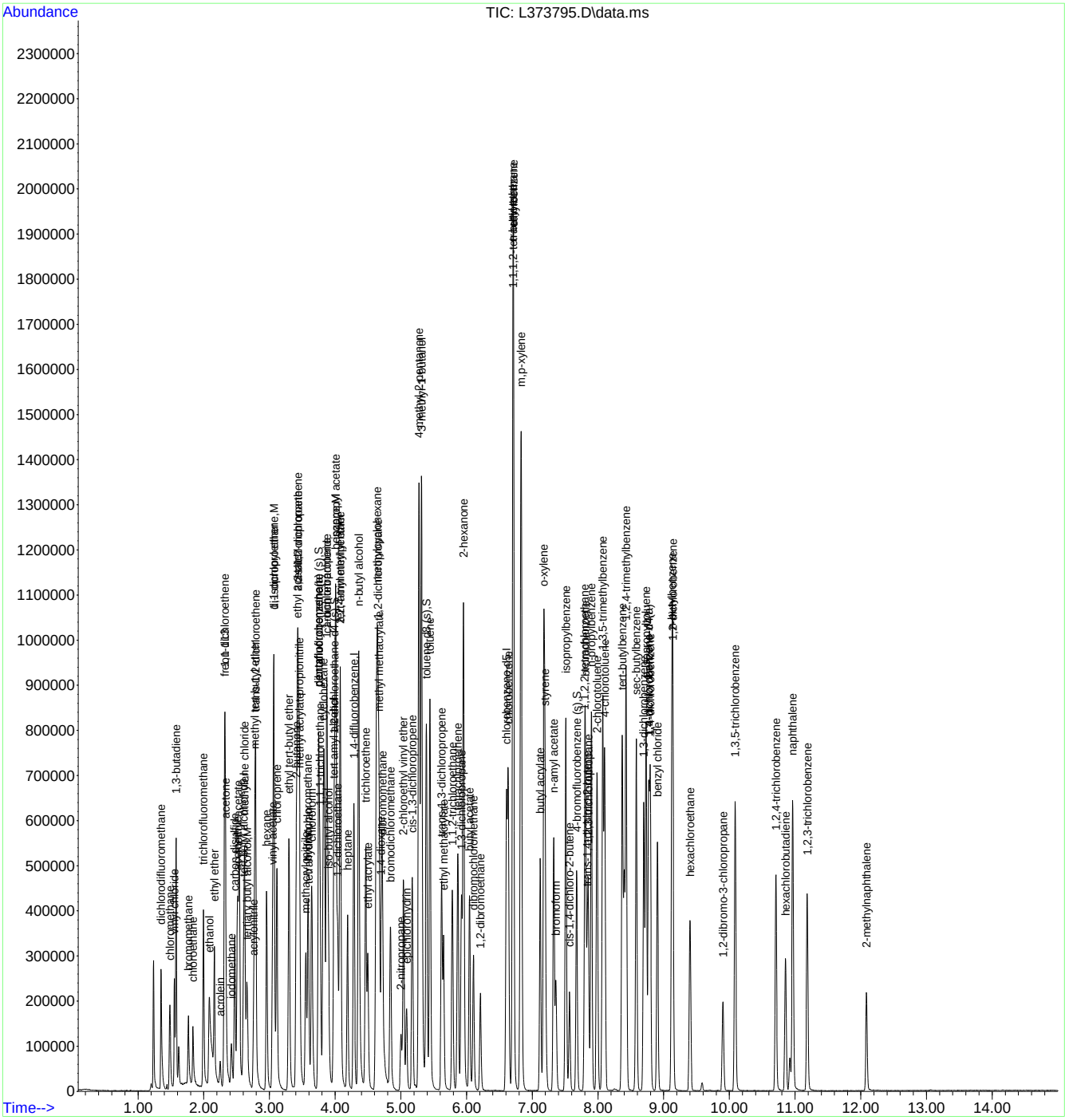
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
107) 1,2,4-trimethylbenzene	8.428	105	480332	52.1365	ug/L	100
108) sec-butylbenzene	8.585	105	533666	51.0970	ug/L	99
109) 1,3-dichlorobenzene	8.697	146	240797	48.0271	ug/L	99
110) p-isopropyltoluene	8.733	119	444840	51.5191	ug/L	99
111) 1,4-dichlorobenzene	8.797	146	244730	47.2497	ug/L	98
113) 1,2-dichlorobenzene	9.140	146	232107	48.1917	ug/L	97
114) n-butylbenzene	9.124	92	225087	52.3262	ug/L	99
115) 1,2-dibromo-3-chloropr...	9.904	157	52955	47.8681	ug/L	97
116) 1,3,5-trichlorobenzene	10.087	180	176049	56.7967	ug/L	98
117) 1,2,4-trichlorobenzene	10.709	180	138437	50.6751	ug/L	98
118) hexachlorobutadiene	10.857	225	54224	52.8193	ug/L	97
119) naphthalene	10.963	128	501054	49.4730	ug/L	99
120) 1,2,3-trichlorobenzene	11.187	180	130202	50.0146	ug/L	99
121) hexachloroethane	9.403	119	71512	54.3020	ug/L	98
122) benzyl chloride	8.906	91	381777	47.6440	ug/L	99
123) 2-methylnaphthalene	12.086	142	101154	25.8883	ug/L	99

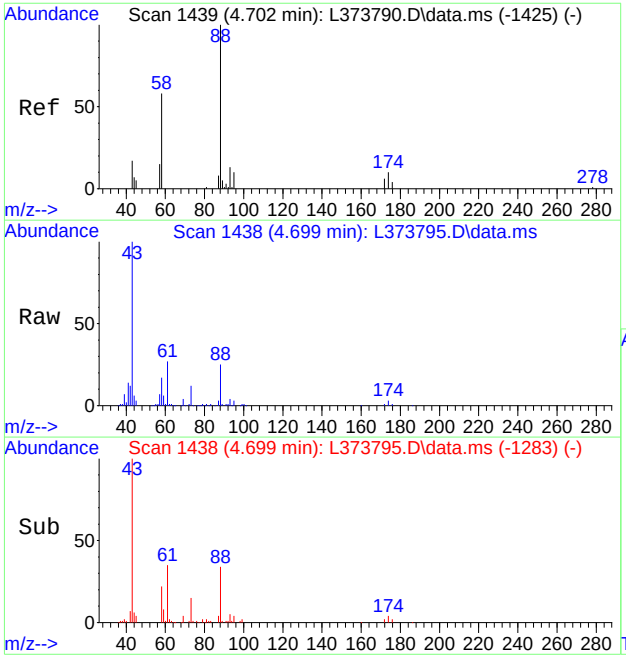
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373795.D
Acq On : 16 Oct 2025 11:03 pm
Operator : BridgetK
Sample : icv11472-50
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 17 13:46:59 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 13:39:16 2025
Response via : Initial Calibration

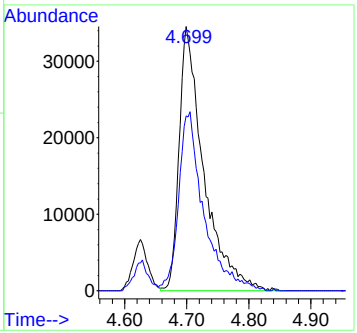


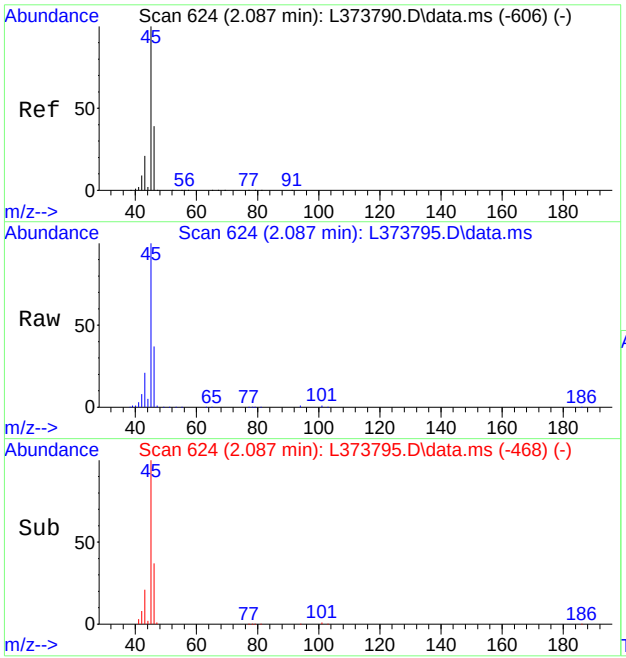


#2
1,4-dioxane
Concen: 1229.59 ug/L
RT: 4.699 min Scan# 1438
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 88 Resp: 95311

Ion	Ratio	Lower	Upper
88	100		
58	66.2	29.1	89.1

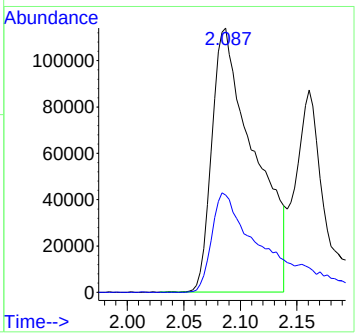


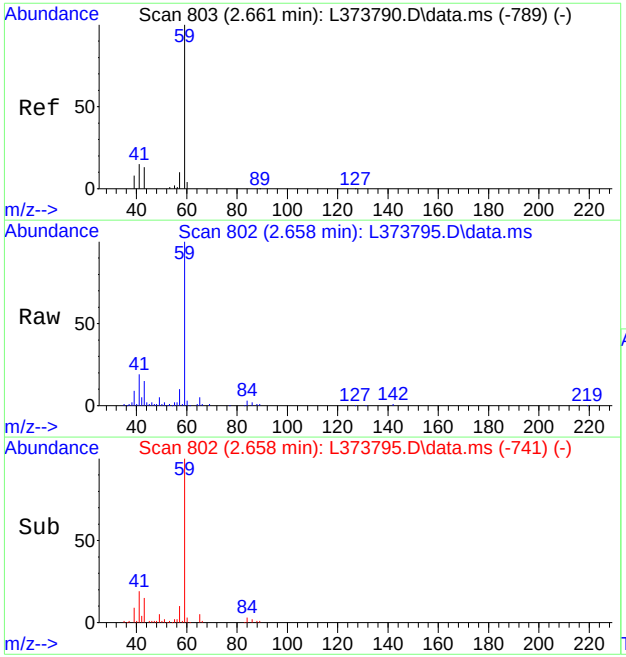


#3
ethanol
Concen: 5009.75 ug/L
RT: 2.087 min Scan# 624
Delta R.T. -0.000 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 45 Resp: 295935

Ion	Ratio	Lower	Upper
45	100		
46	36.9	18.6	58.6

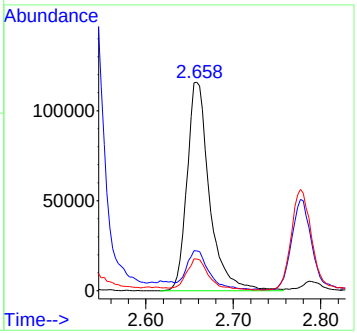


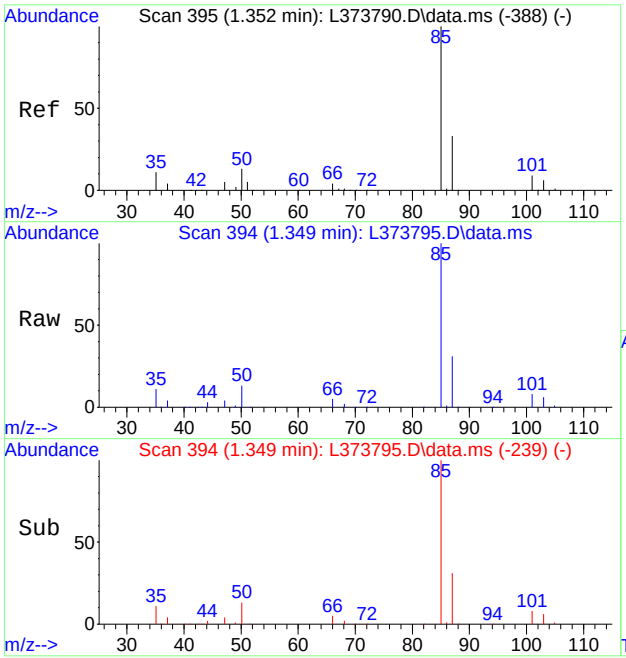


#4
tertiary butyl alcohol
Concen: 238.77 ug/L
RT: 2.658 min Scan# 802
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 59 Resp: 207452

Ion	Ratio	Lower	Upper
59	100		
41	14.2	0.0	45.3
43	13.7	0.0	43.5

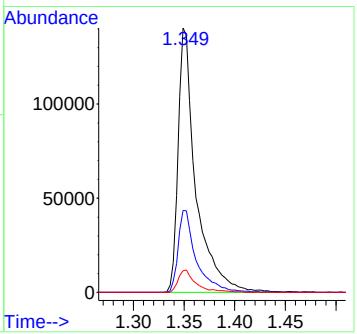


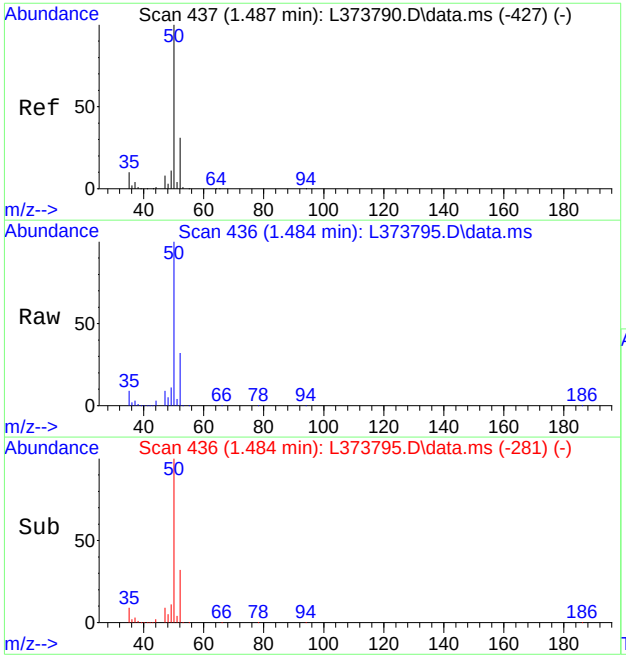


#7
dichlorodifluoromethane
Concen: 48.21 ug/L
RT: 1.349 min Scan# 394
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 85 Resp: 171292

Ion	Ratio	Lower	Upper
85	100		
87	31.0	2.8	62.8
101	8.2	0.0	38.9

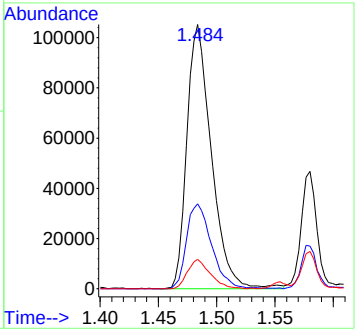


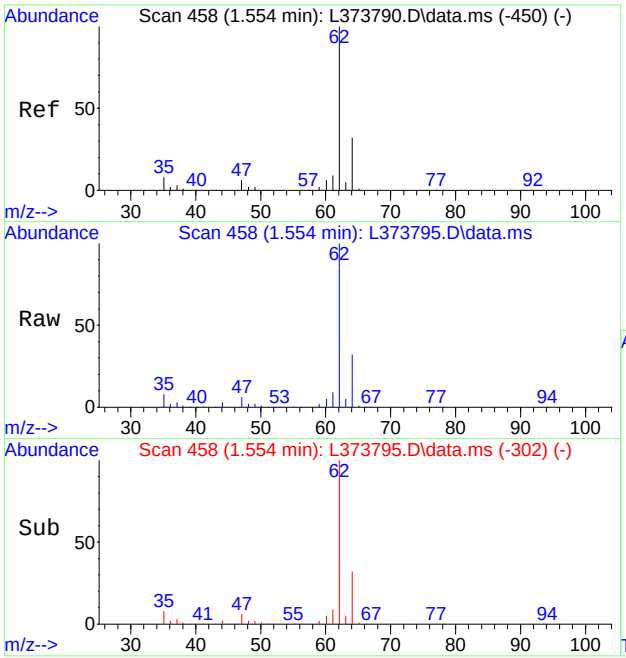


#8
chloromethane
Concen: 45.11 ug/L
RT: 1.484 min Scan# 436
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 50 Resp: 153817

Ion	Ratio	Lower	Upper
50	100		
52	32.2	1.5	61.5
49	11.2	0.0	41.1

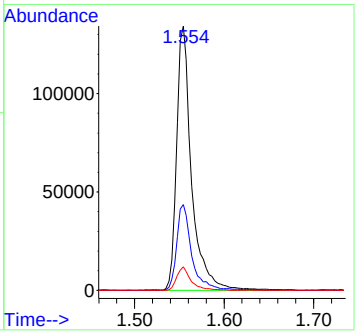


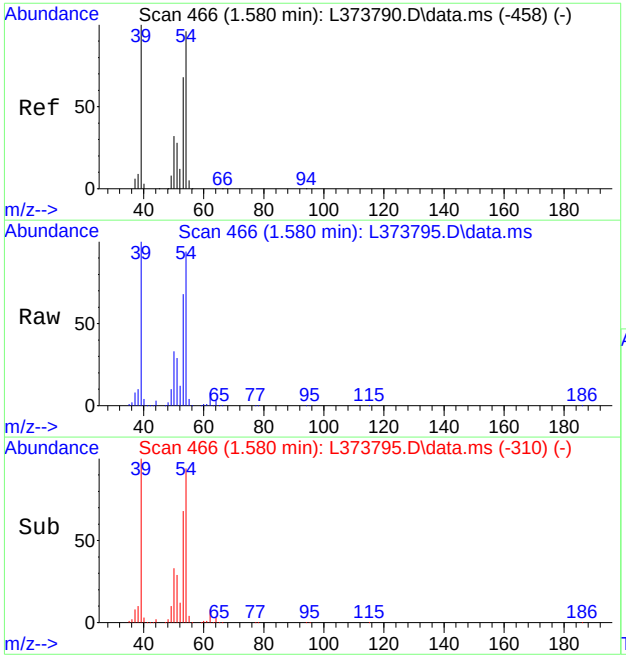


#9
vinyl chloride
Concen: 46.34 ug/L
RT: 1.554 min Scan# 458
Delta R.T. 0.000 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 62 Resp: 156370

Ion	Ratio	Lower	Upper
62	100		
64	32.3	2.2	62.2
61	8.9	0.0	38.5

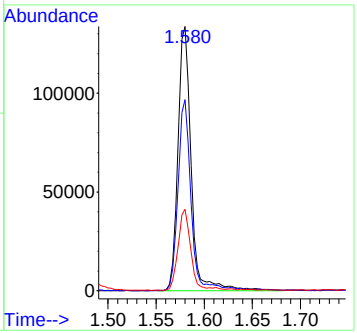


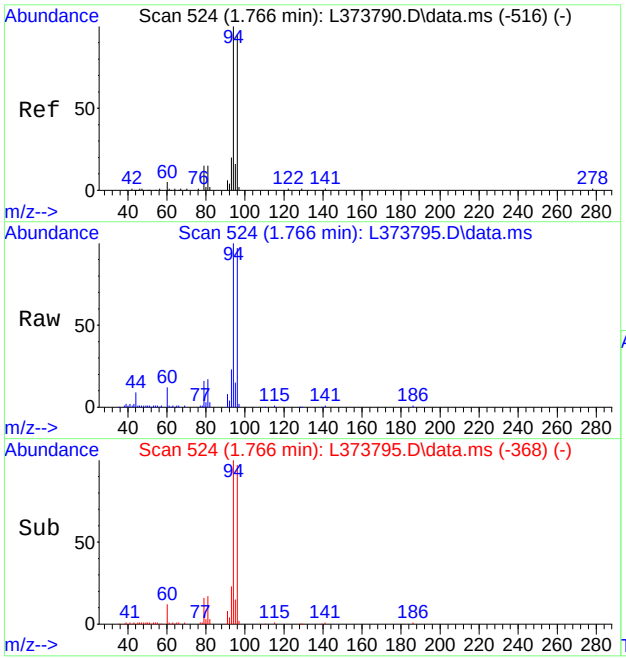


#10
1,3-butadiene
Concen: 41.28 ug/L
RT: 1.580 min Scan# 466
Delta R.T. -0.000 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 54 Resp: 128862

Ion	Ratio	Lower	Upper
54	100		
53	72.1	40.7	100.7
51	30.7	0.0	59.5

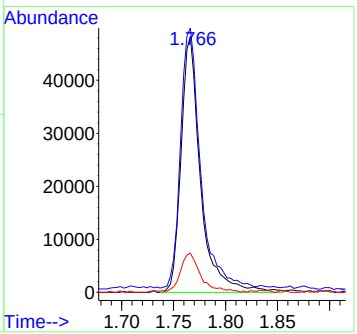


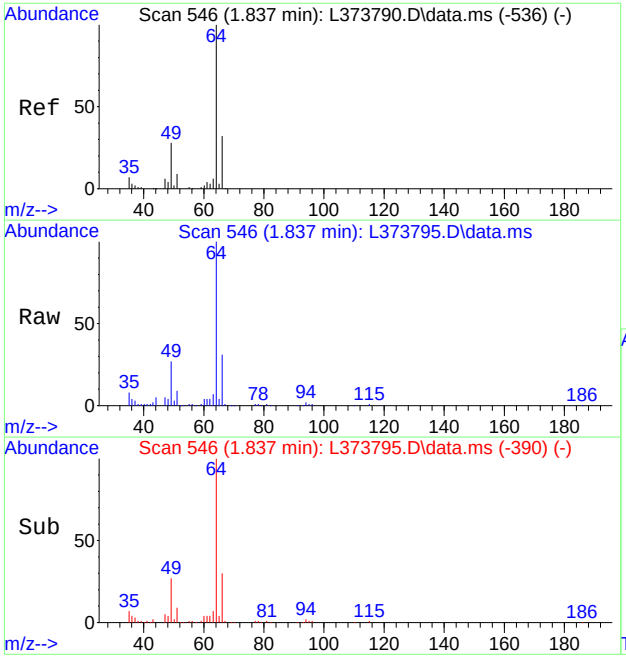


#11
bromomethane
Concen: 74.97 ug/L
RT: 1.766 min Scan# 524
Delta R.T. 0.000 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 96 Resp: 62912

Ion	Ratio	Lower	Upper
96	100		
94	101.6	76.7	136.7
95	14.8	0.0	46.3

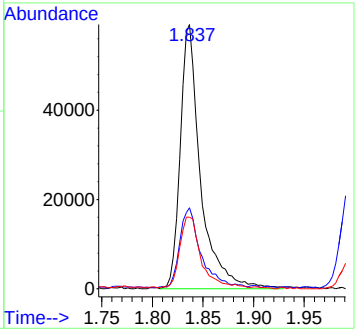


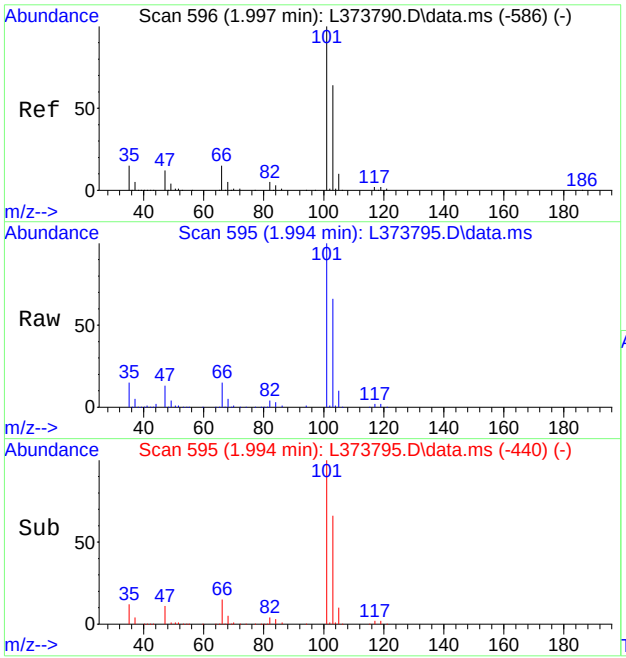


#12
chloroethane
Concen: 58.56 ug/L
RT: 1.837 min Scan# 546
Delta R.T. -0.000 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 64 Resp: 82899

Ion	Ratio	Lower	Upper
64	100		
66	29.9	1.8	61.8
49	26.6	0.0	57.7

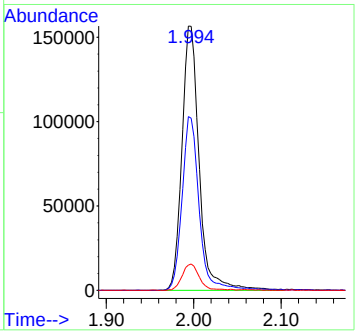


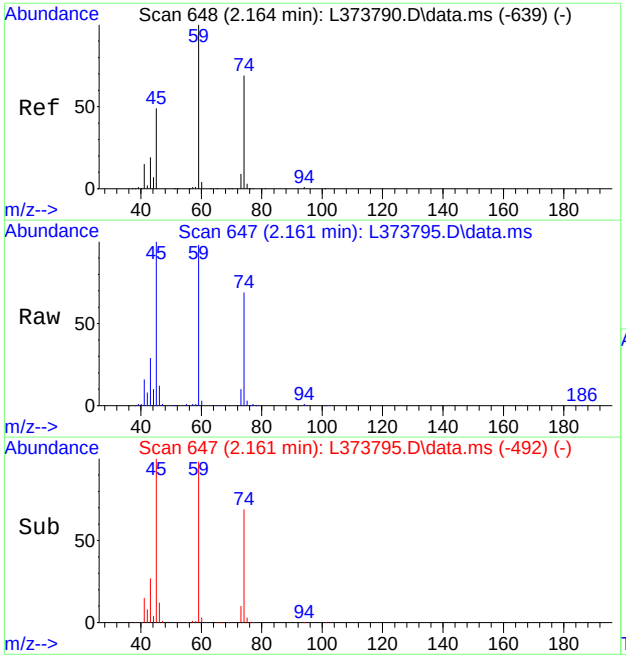


#13
trichlorofluoromethane
Concen: 50.20 ug/L
RT: 1.994 min Scan# 595
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion:101 Resp: 215416

Ion	Ratio	Lower	Upper
101	100		
103	65.6	33.8	93.8
105	9.6	0.0	40.0

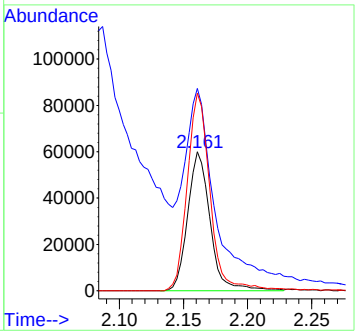


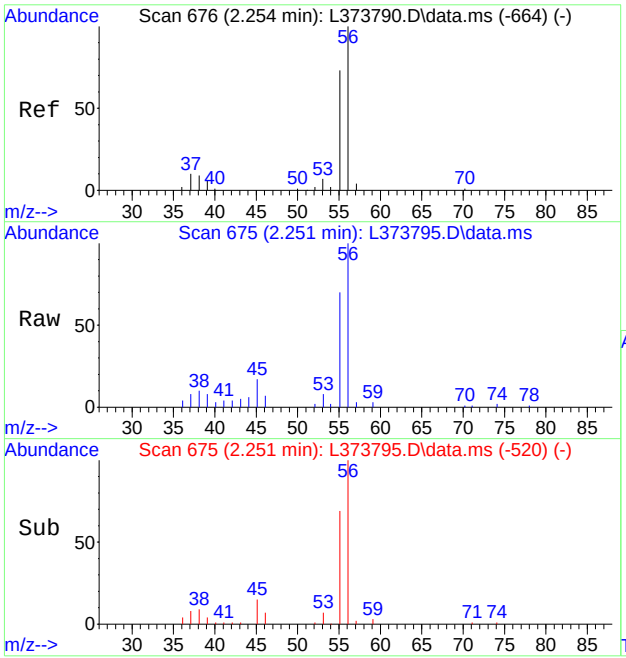


#14
ethyl ether
Concen: 51.37 ug/L
RT: 2.161 min Scan# 647
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 74 Resp: 73419

Ion	Ratio	Lower	Upper
74	100		
45	135.1	102.0	162.0
59	142.1	114.2	174.2

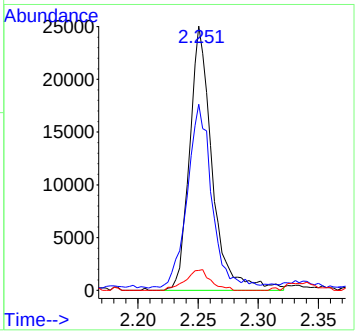


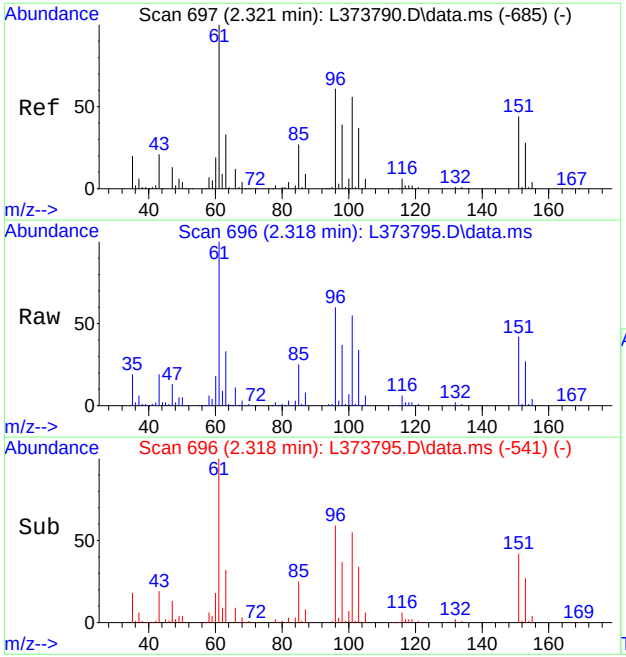


#15
acrolein
Concen: 53.48 ug/L
RT: 2.251 min Scan# 675
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 56 Resp: 32749

Ion	Ratio	Lower	Upper
56	100		
55	69.2	42.9	102.9
53	7.5	0.0	38.0

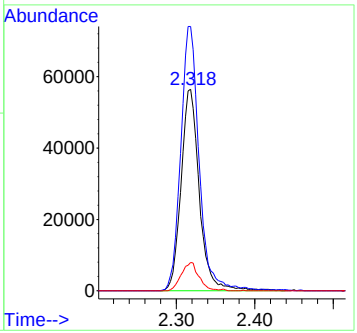


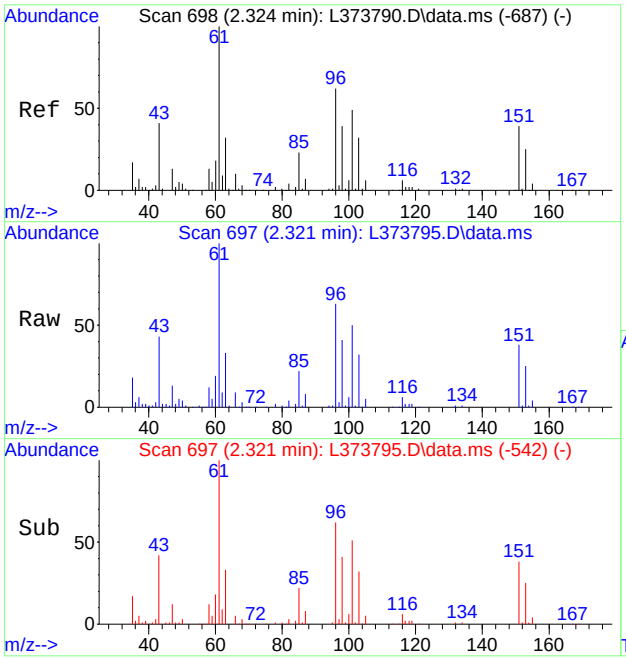


#16
freon 113
Concen: 50.53 ug/L
RT: 2.318 min Scan# 696
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion:151 Resp: 91371

Ion	Ratio	Lower	Upper
151	100		
101	131.2	107.4	147.4
116	14.0	0.0	33.9

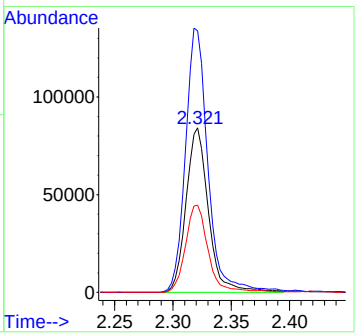


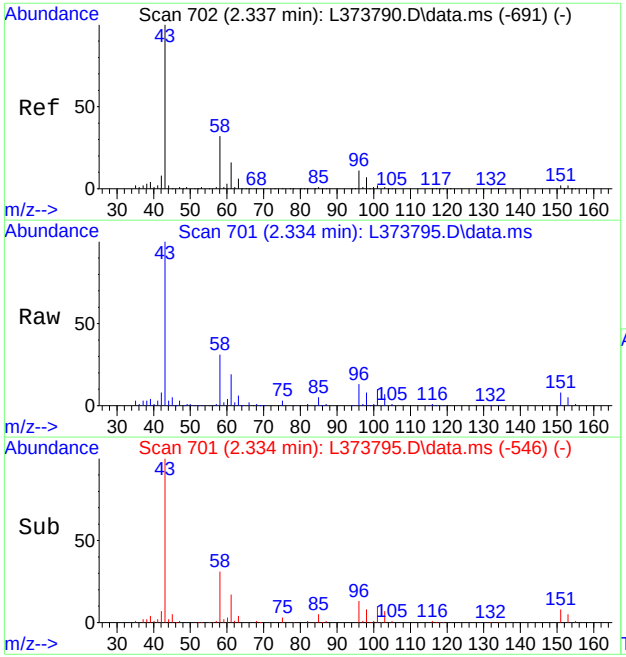


#17
1,1-dichloroethene
Concen: 50.12 ug/L
RT: 2.321 min Scan# 697
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 96 Resp: 113244

Ion	Ratio	Lower	Upper
96	100		
61	159.1	131.4	191.4
63	53.1	22.3	82.3

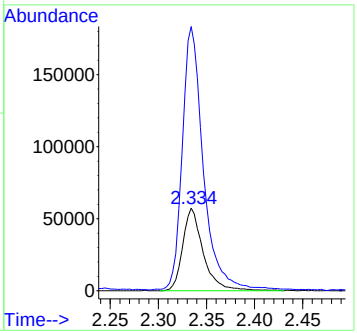


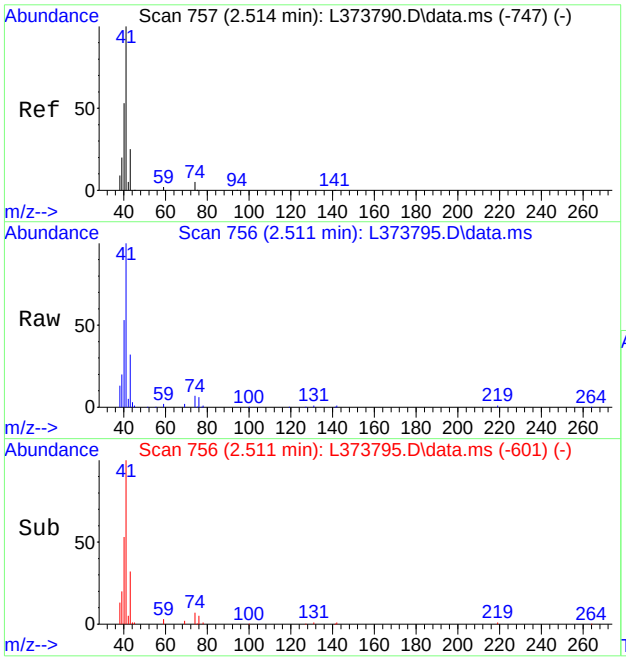


#18
acetone
Concen: 192.56 ug/L
RT: 2.334 min Scan# 701
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 58 Resp: 85623

Ion	Ratio	Lower	Upper
58	100		
43	318.4	286.5	346.5

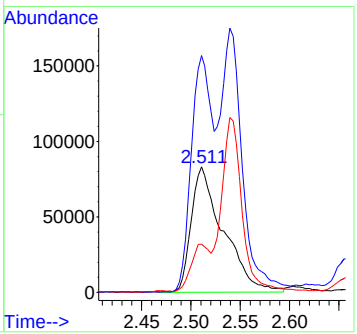


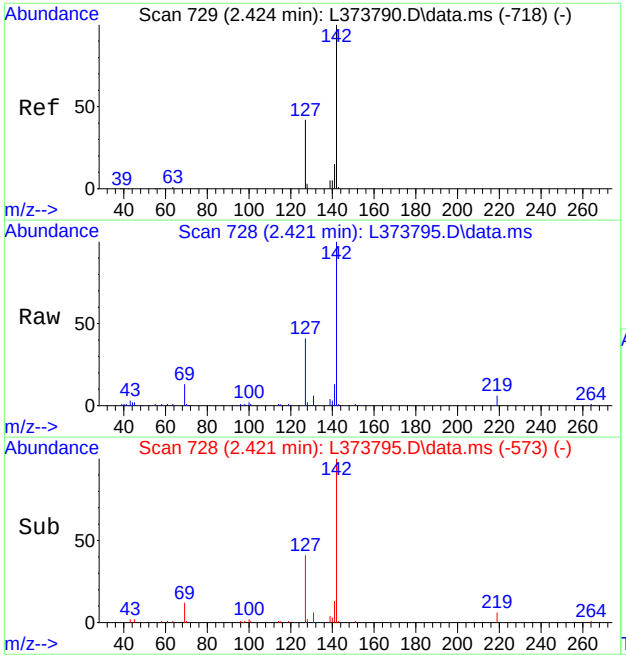


#19
acetonitrile
Concen: 538.39 ug/L
RT: 2.511 min Scan# 756
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 40 Resp: 187595

Ion	Ratio	Lower	Upper
40	100		
41	188.7	158.5	218.5
39	37.0	8.2	68.2

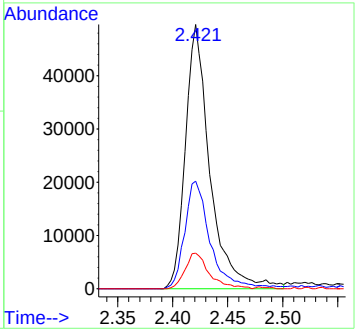


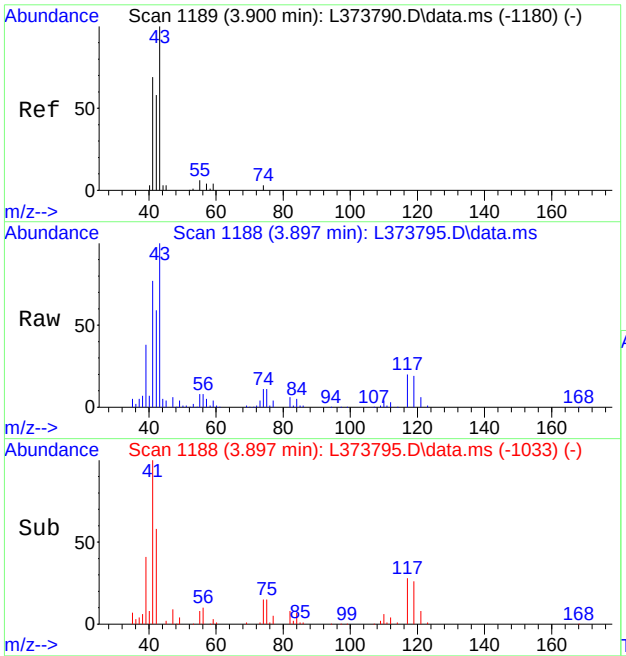


#20
iodomethane
Concen: 43.11 ug/L
RT: 2.421 min Scan# 728
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion:142 Resp: 77091

Ion	Ratio	Lower	Upper
142	100		
127	40.7	12.2	72.2
141	13.5	0.0	44.6

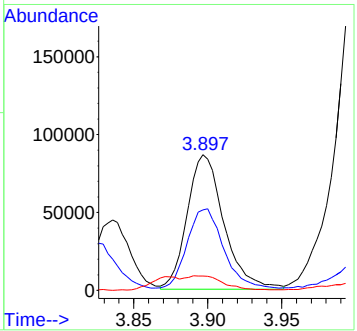


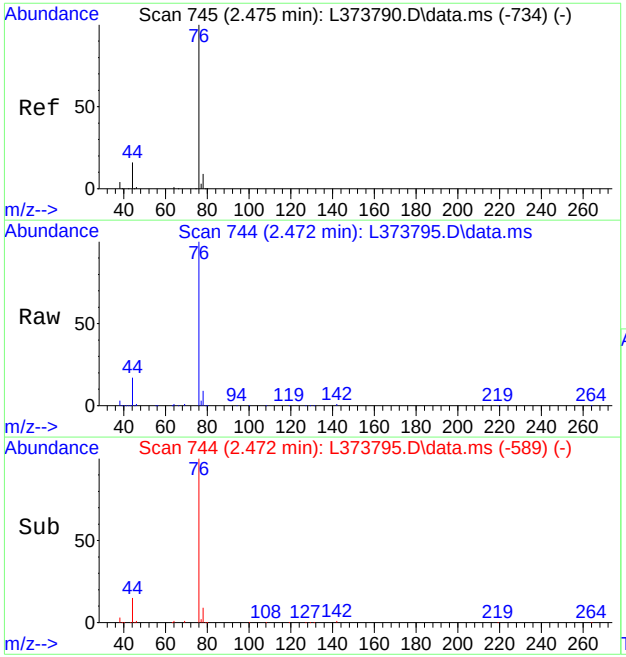


#21
iso-butyl alcohol
Concen: 494.19 ug/L
RT: 3.897 min Scan# 1188
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 43 Resp: 149409

Ion	Ratio	Lower	Upper
43	100		
42	59.3	28.3	88.3
74	10.3	0.0	40.9

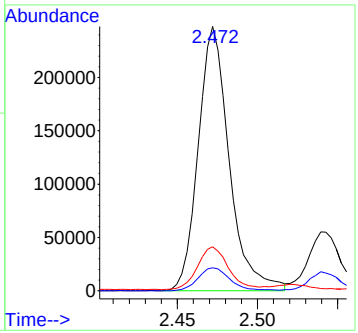


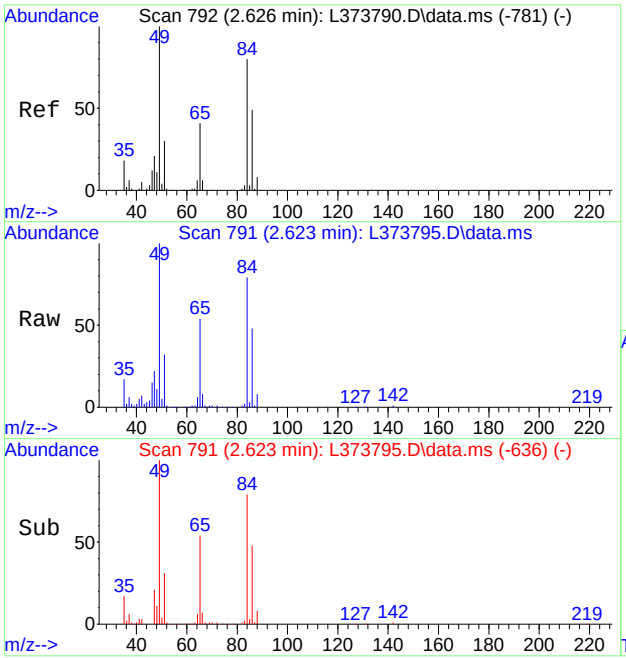


#22
carbon disulfide
Concen: 47.00 ug/L
RT: 2.472 min Scan# 744
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 76 Resp: 334073

Ion	Ratio	Lower	Upper
76	100		
78	8.7	0.0	38.9
44	16.2	0.0	46.1

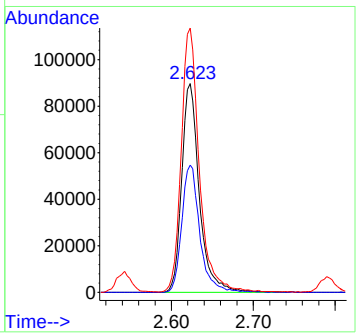


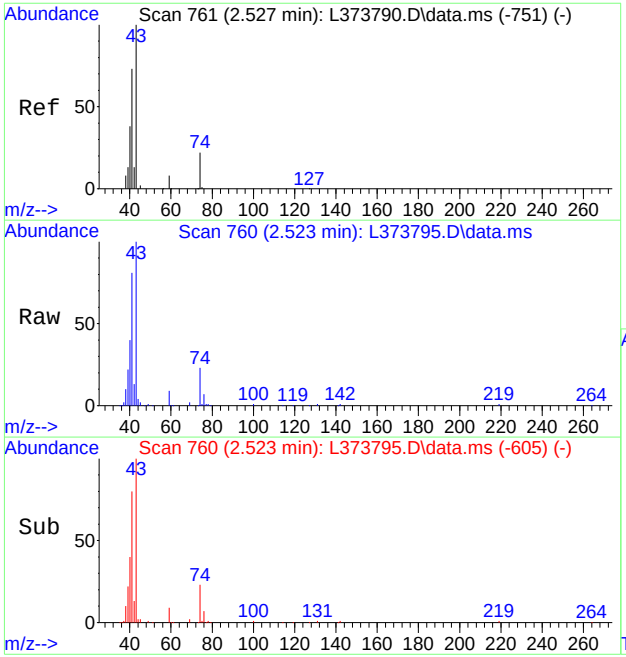


#23
methylene chloride
Concen: 48.24 ug/L
RT: 2.623 min Scan# 791
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 84 Resp: 134539

Ion	Ratio	Lower	Upper
84	100		
86	60.9	31.2	91.2
49	126.2	95.6	155.6

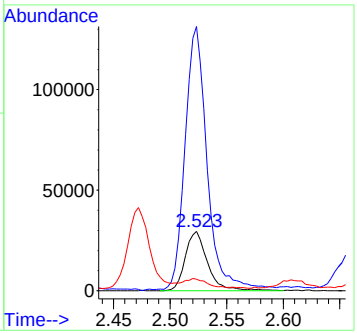


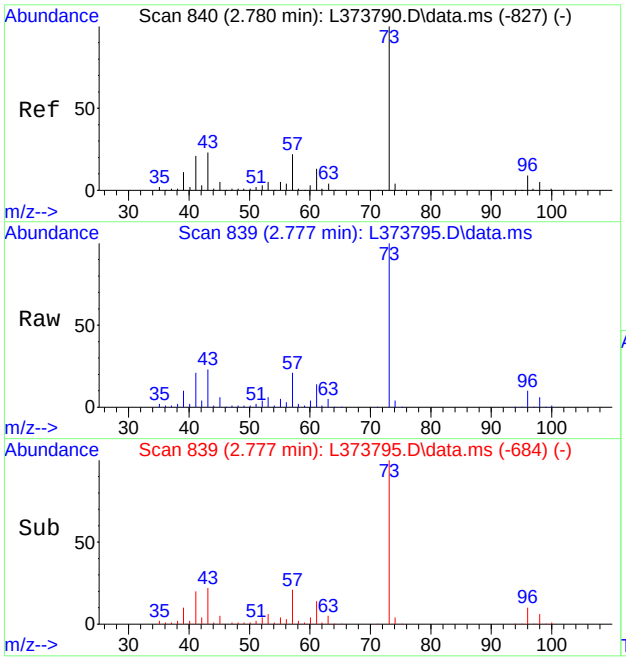


#24
methyl acetate
Concen: 57.83 ug/L
RT: 2.523 min Scan# 760
Delta R.T. -0.004 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 74 Resp: 40626

Ion	Ratio	Lower	Upper
74	100		
43	441.2	417.7	477.7
44	2.7	0.0	39.0

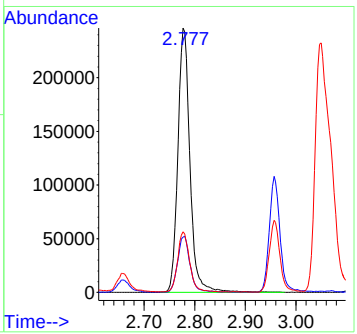


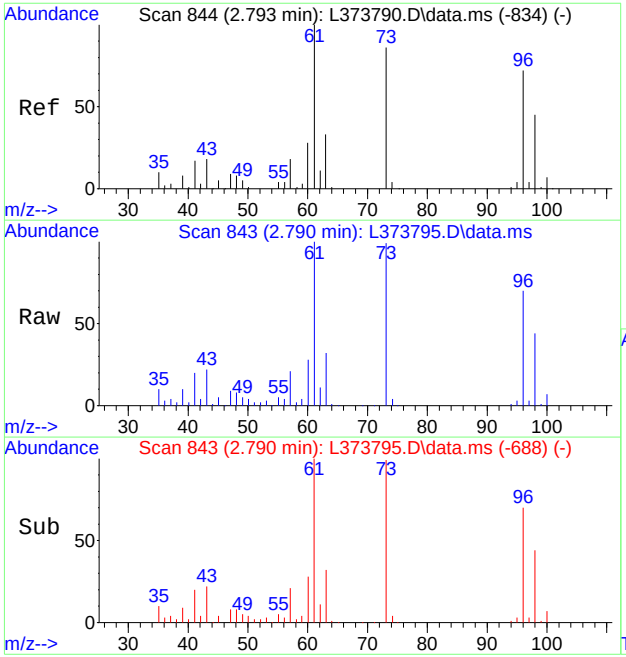


#25
methyl tert butyl ether
Concen: 54.67 ug/L
RT: 2.777 min Scan# 839
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 73 Resp: 408680

Ion	Ratio	Lower	Upper
73	100		
57	20.8	0.0	52.4
43	22.6	0.0	52.7

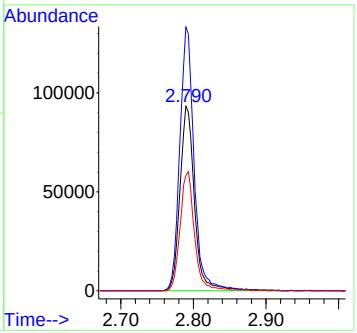


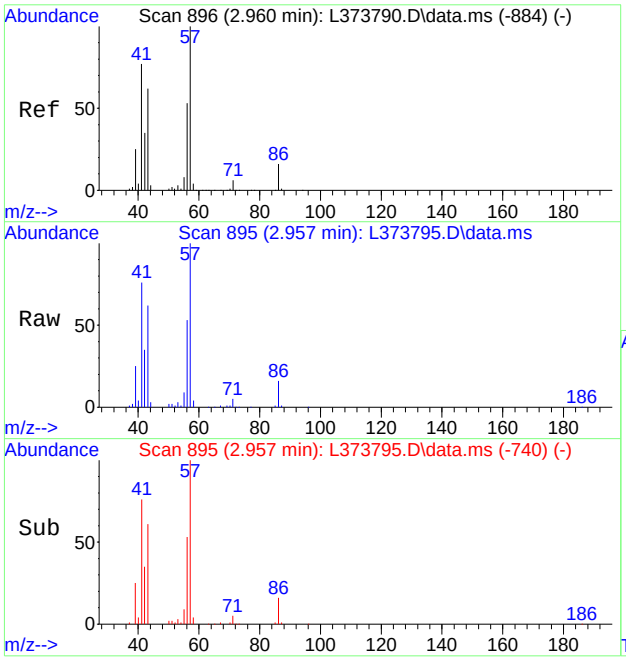


#26
trans-1,2-dichloroethene
Concen: 50.74 ug/L
RT: 2.790 min Scan# 843
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 96 Resp: 130363

Ion	Ratio	Lower	Upper
96	100		
61	143.0	109.1	169.1
98	62.4	32.0	92.0

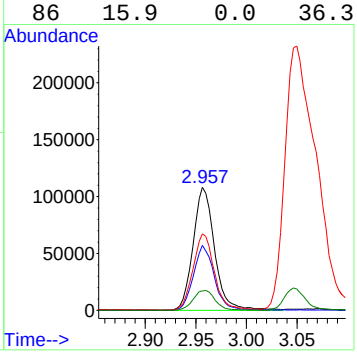


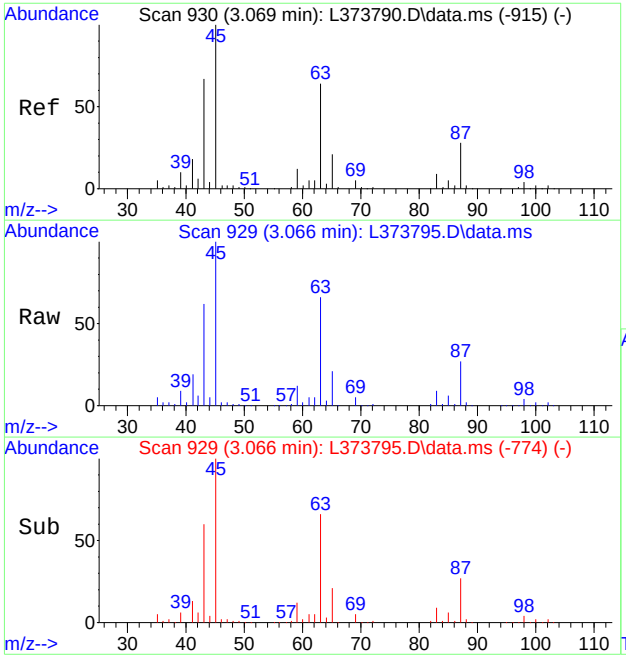


#27
hexane
Concen: 50.36 ug/L
RT: 2.957 min Scan# 895
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 57 Resp: 159818

Ion	Ratio	Lower	Upper
57	100		
56	52.9	32.9	72.9
43	61.9	41.9	81.9
86	15.9	0.0	36.3

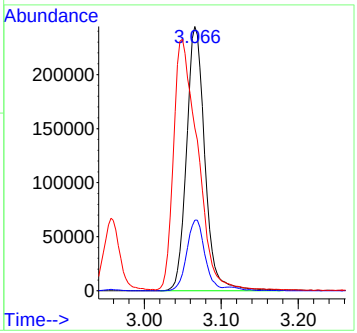


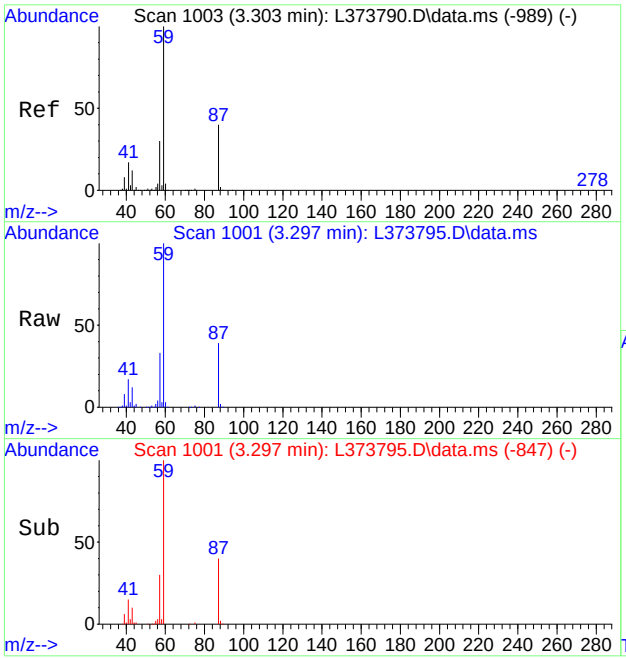


#28
di-isopropyl ether
Concen: 51.85 ug/L
RT: 3.066 min Scan# 929
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 45 Resp: 405737

Ion	Ratio	Lower	Upper
45	100		
87	26.8	0.0	57.5
43	61.1	37.5	97.5

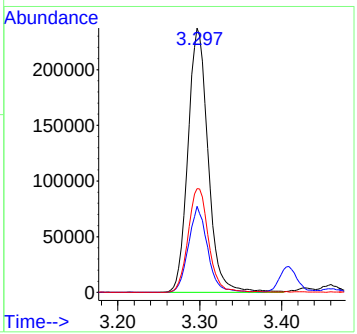


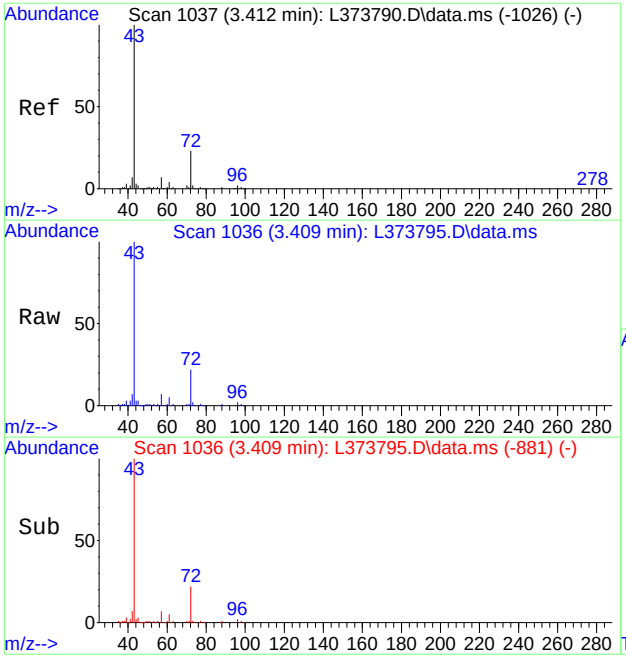


#29
ethyl tert-butyl ether
Concen: 50.57 ug/L
RT: 3.297 min Scan# 1001
Delta R.T. -0.006 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 59 Resp: 406437

Ion	Ratio	Lower	Upper
59	100		
57	32.6	0.3	60.3
87	39.2	9.6	69.6

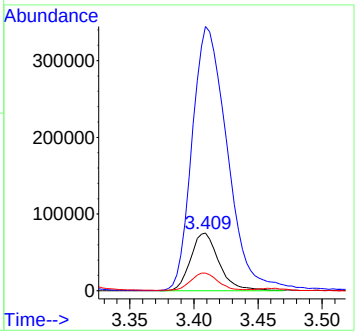


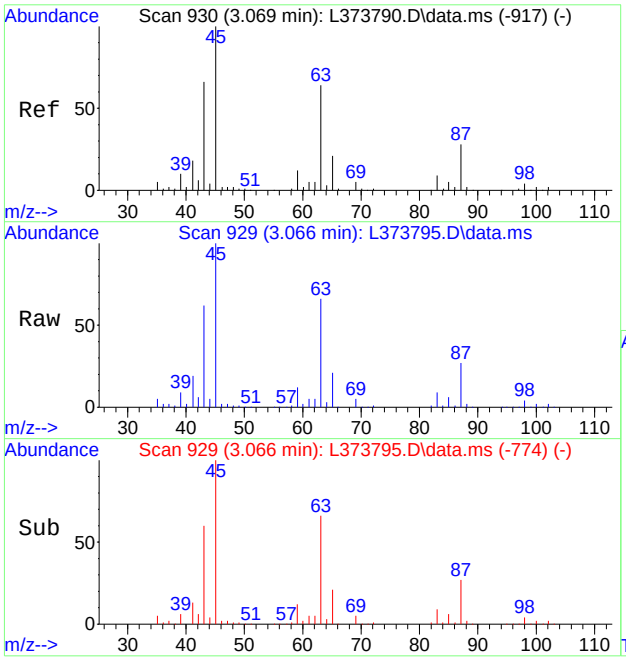


#30
2-butanone
Concen: 207.86 ug/L
RT: 3.409 min Scan# 1036
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 72 Resp: 116268

Ion	Ratio	Lower	Upper
72	100		
43	456.9	411.9	471.9
57	29.9	2.4	62.4

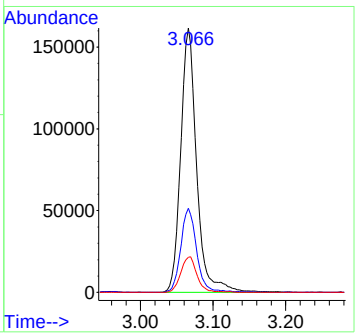


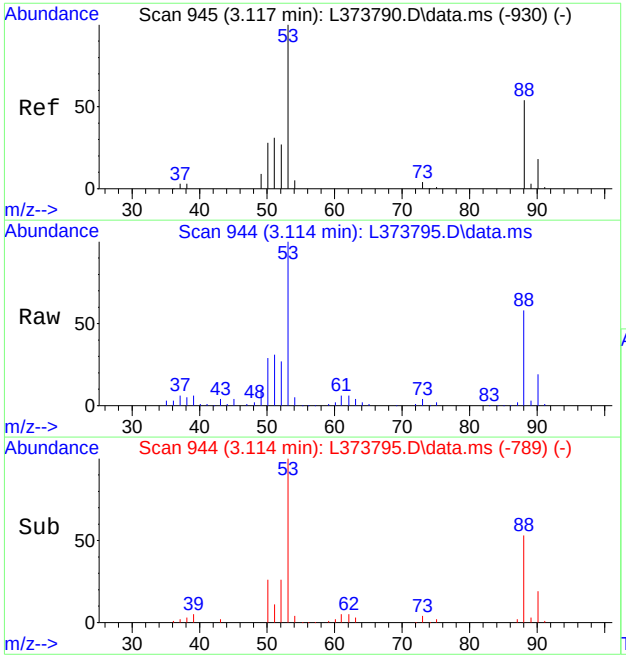


#31
1,1-dichloroethane
Concen: 51.00 ug/L
RT: 3.066 min Scan# 929
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 63 Resp: 247541

Ion	Ratio	Lower	Upper
63	100		
65	31.8	2.5	62.5
83	13.3	0.0	43.5

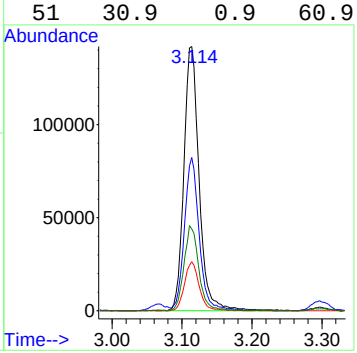


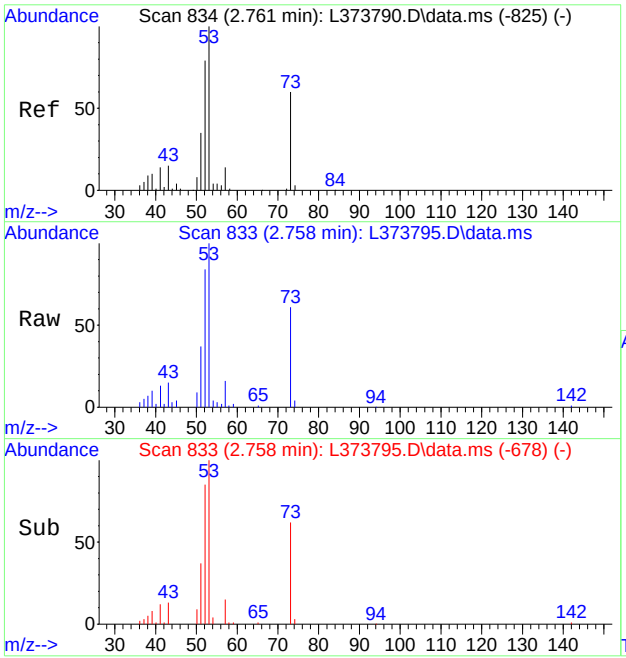


#32
chloroprene
Concen: 51.76 ug/L
RT: 3.114 min Scan# 944
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 53 Resp: 216108

Ion	Ratio	Lower	Upper
53	100		
88	58.0	26.2	86.2
90	18.5	0.0	47.9
51	30.9	0.9	60.9

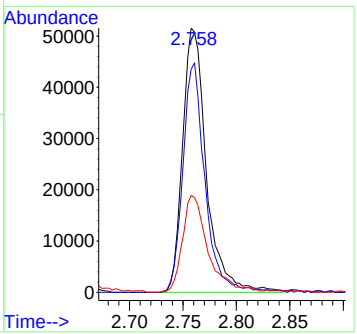


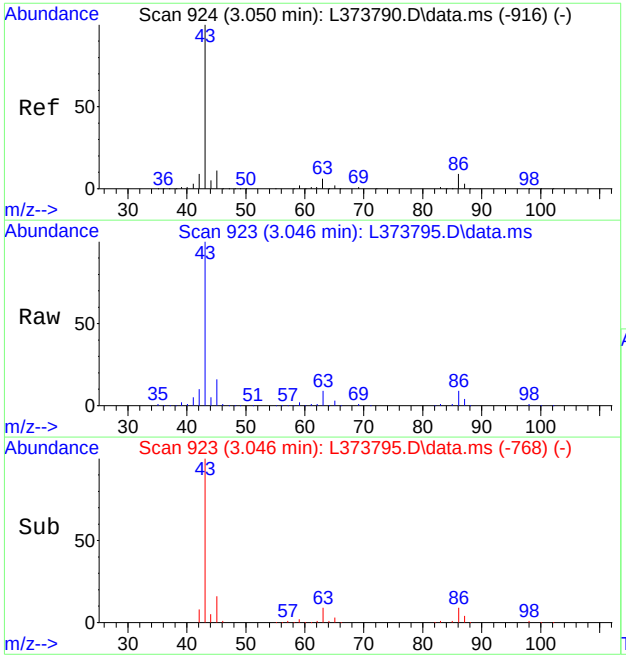


#33
acrylonitrile
Concen: 59.84 ug/L
RT: 2.758 min Scan# 833
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 53 Resp: 80159

Ion	Ratio	Lower	Upper
53	100		
52	84.4	48.8	108.8
51	36.7	4.6	64.6

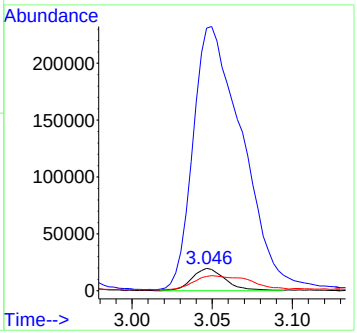


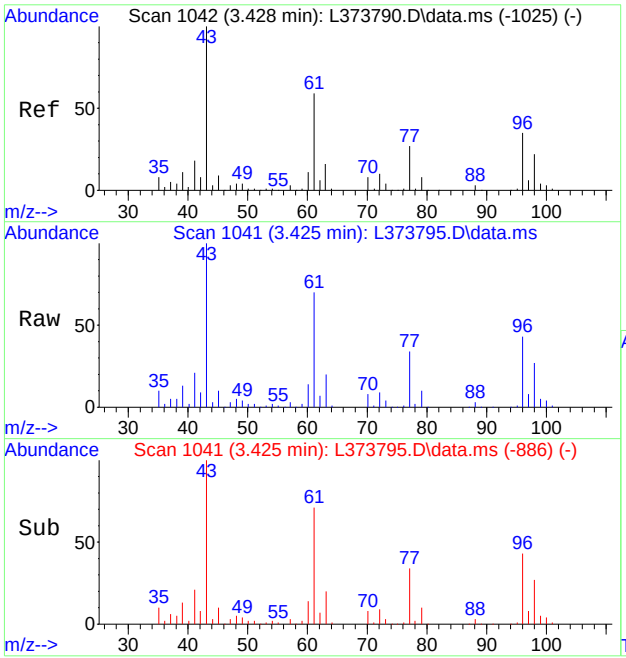


#34
vinyl acetate
Concen: 45.60 ug/L
RT: 3.046 min Scan# 923
Delta R.T. -0.004 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 86 Resp: 28961

Ion	Ratio	Lower	Upper
86	100		
43	1159.6	1076.3	1136.3#
44	59.5	23.6	83.6

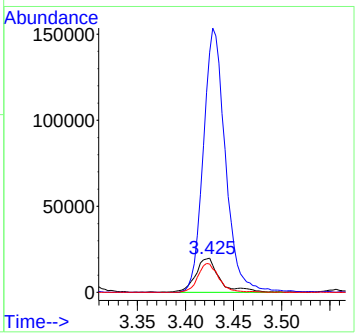


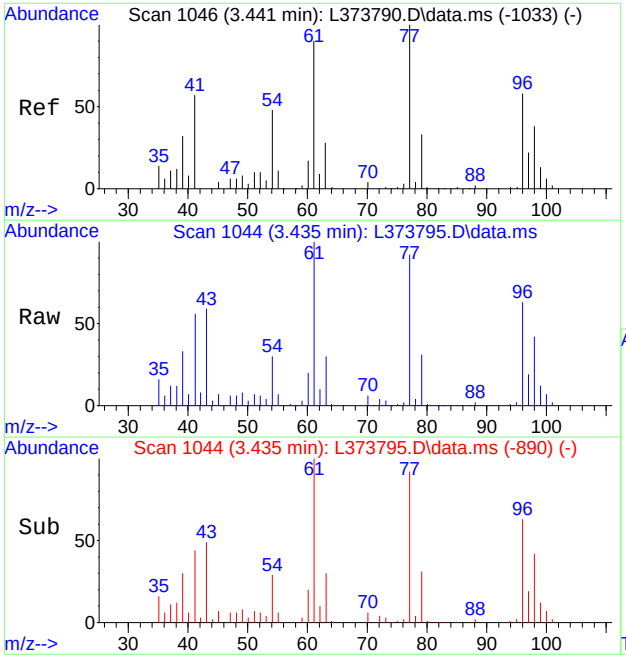


#35
ethyl acetate
Concen: 50.34 ug/L
RT: 3.425 min Scan# 1041
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 45 Resp: 34834

Ion	Ratio	Lower	Upper
45	100		
61	700.4	598.6	658.6#
70	82.9	53.6	113.6

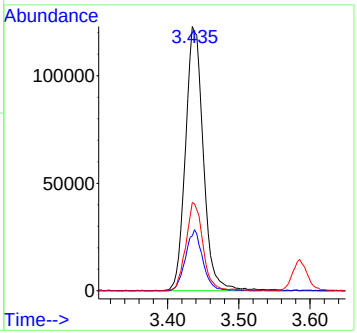


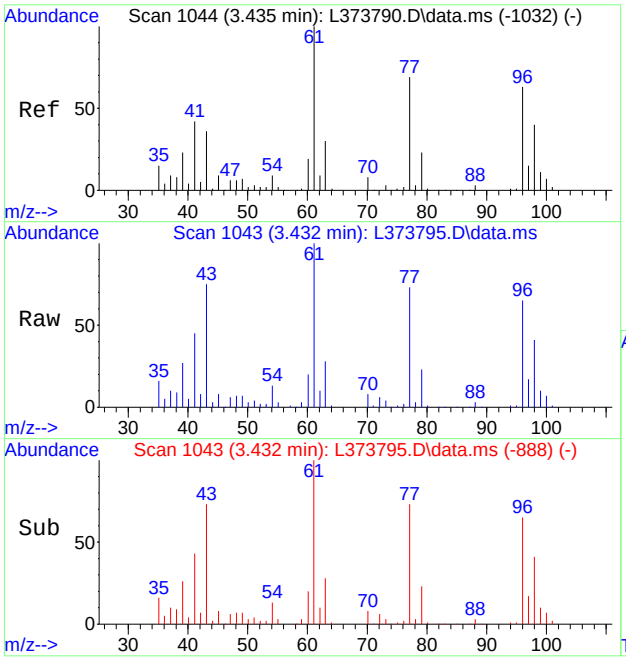


#36
2,2-dichloropropane
Concen: 49.24 ug/L
RT: 3.435 min Scan# 1044
Delta R.T. -0.006 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 77 Resp: 215301

Ion	Ratio	Lower	Upper
77	100		
97	20.8	0.0	52.3
79	33.4	3.0	63.0

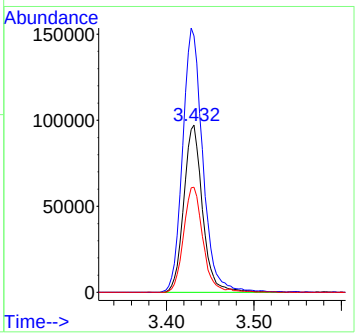


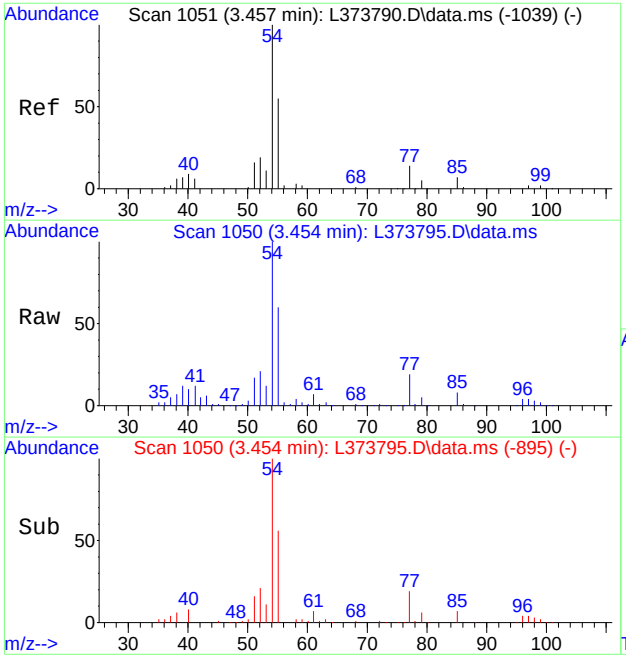


#37
cis-1,2-dichloroethene
Concen: 51.67 ug/L
RT: 3.432 min Scan# 1043
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 96 Resp: 145861

Ion	Ratio	Lower	Upper
96	100		
61	153.3	128.7	188.7
98	62.8	34.1	94.1

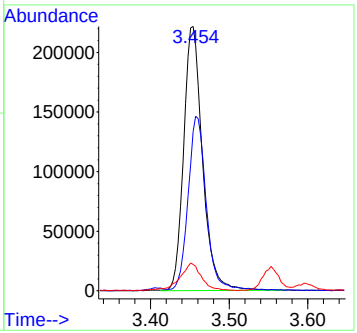


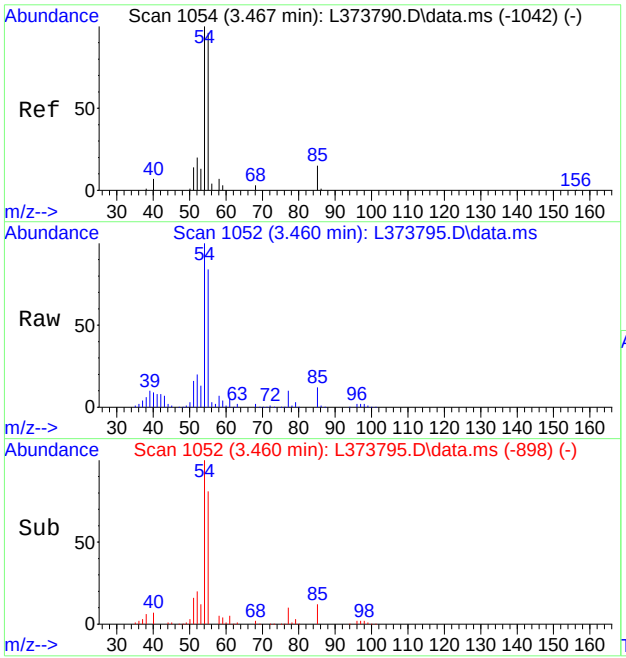


#38
propionitrile
Concen: 484.16 ug/L
RT: 3.454 min Scan# 1050
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 54 Resp: 368958

Ion	Ratio	Lower	Upper
54	100		
55	60.0	25.4	85.4
40	9.0	0.0	39.0

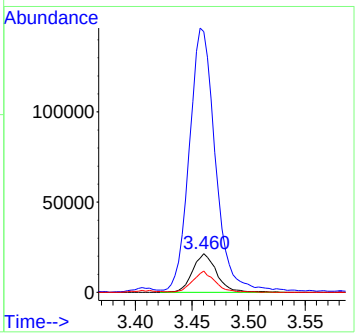


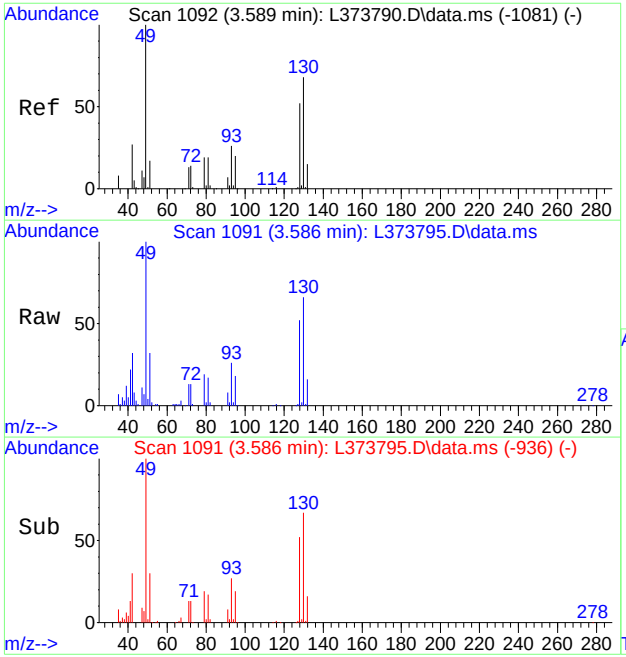


#39
methyl acrylate
Concen: 53.58 ug/L
RT: 3.460 min Scan# 1052
Delta R.T. -0.007 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 85 Resp: 31920

Ion	Ratio	Lower	Upper
85	100		
55	665.0	639.4	679.4
58	54.6	29.8	69.8

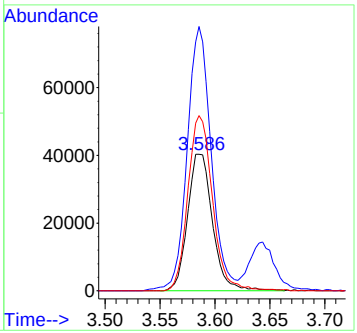


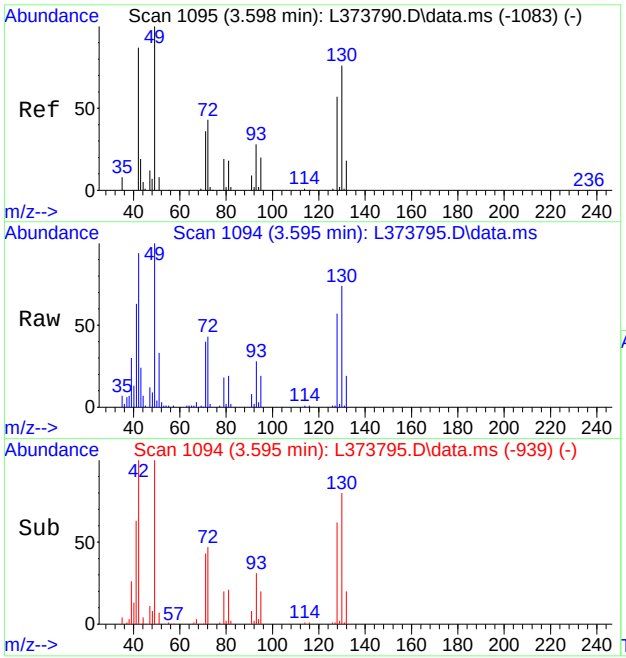


#40
bromochloromethane
Concen: 51.29 ug/L
RT: 3.586 min Scan# 1091
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion:128 Resp: 63758

Ion	Ratio	Lower	Upper
128	100		
49	191.0	163.3	223.3
130	128.2	100.3	160.3

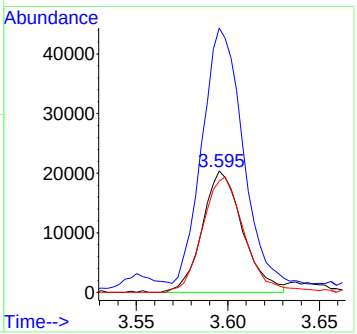


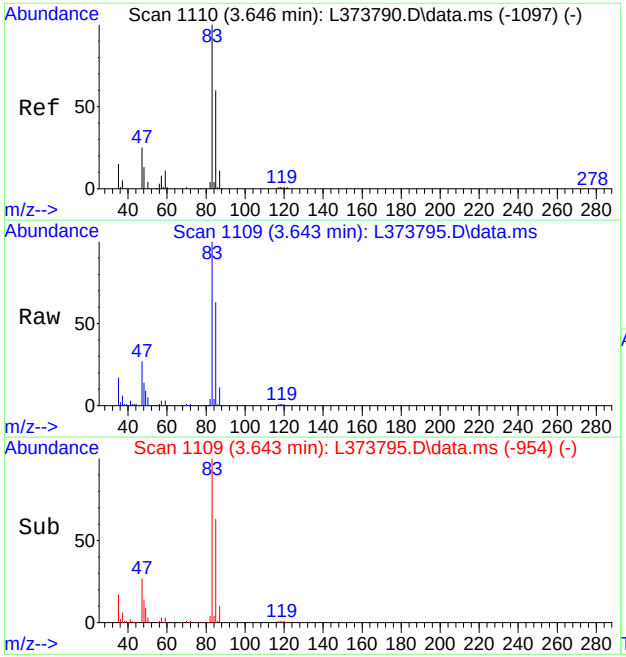


#41
tetrahydrofuran
Concen: 45.03 ug/L
RT: 3.595 min Scan# 1094
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 72 Resp: 31386

Ion	Ratio	Lower	Upper
72	100		
42	208.9	183.3	243.3
71	91.6	53.5	113.5

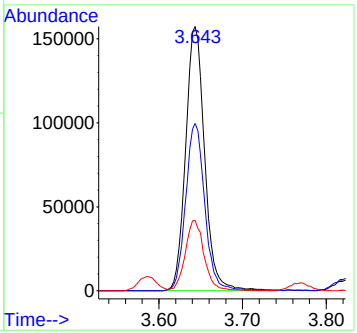


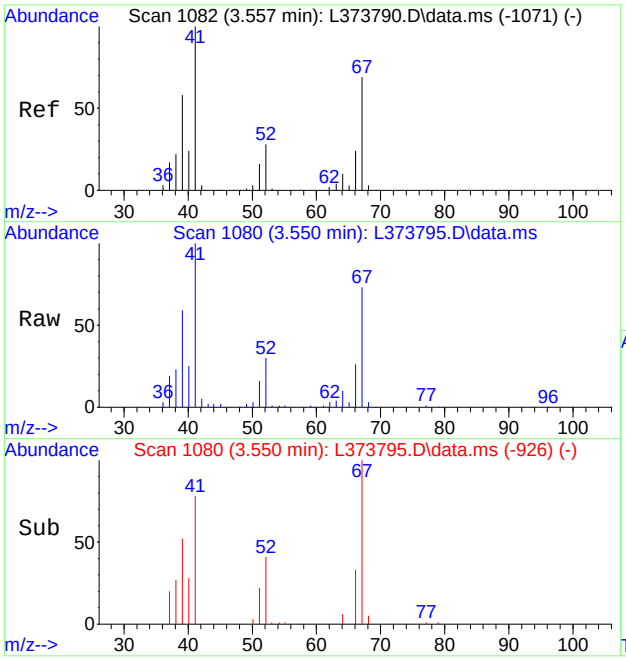


#42
chloroform
Concen: 46.26 ug/L
RT: 3.643 min Scan# 1109
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 83 Resp: 249139

Ion	Ratio	Lower	Upper
83	100		
85	63.3	29.7	89.7
47	25.8	0.0	54.6

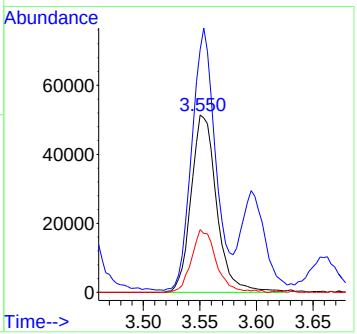


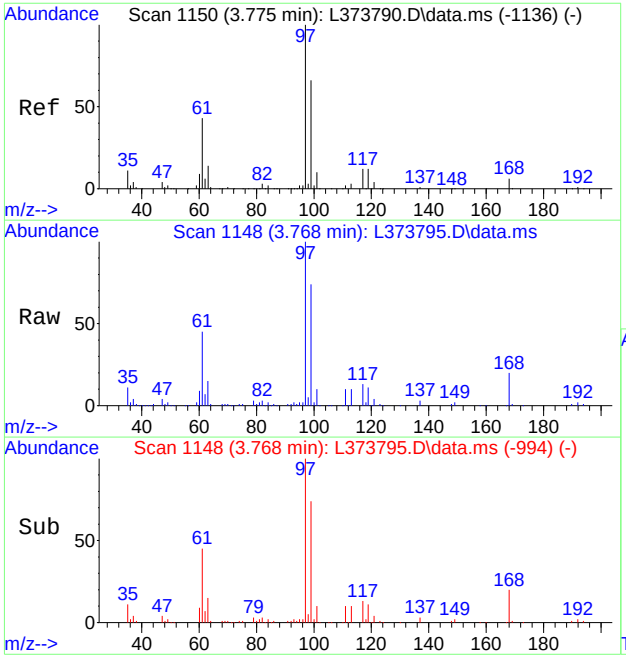


#44
methacrylonitrile
Concen: 49.74 ug/L
RT: 3.550 min Scan# 1080
Delta R.T. -0.007 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 67 Resp: 80835

Ion	Ratio	Lower	Upper
67	100		
41	135.2	115.3	175.3
66	35.3	4.3	64.3

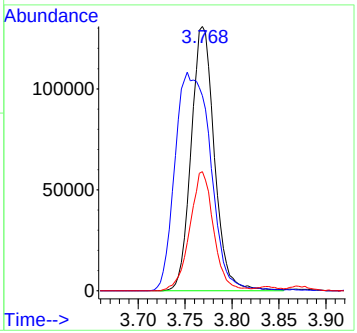


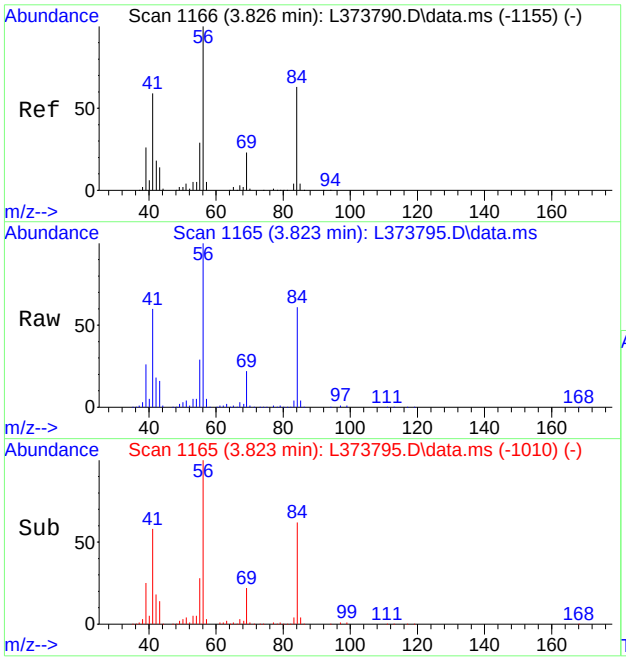


#45
1,1,1-trichloroethane
Concen: 52.96 ug/L
RT: 3.768 min Scan# 1148
Delta R.T. -0.007 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 97 Resp: 225875

Ion	Ratio	Lower	Upper
97	100		
99	73.5	41.0	101.0
61	45.1	12.9	72.9

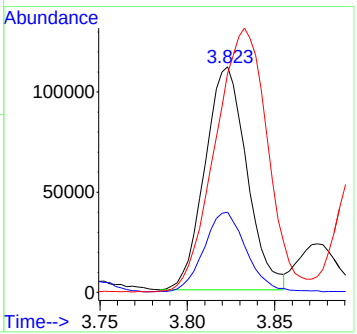


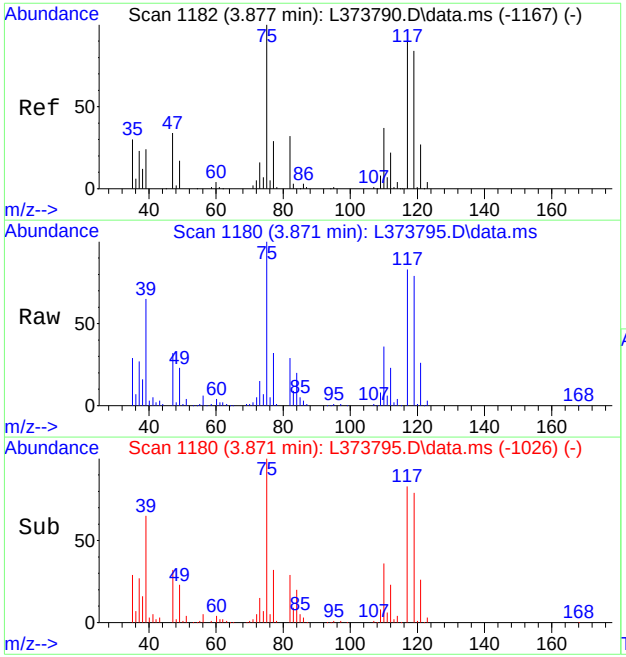


#46
cyclohexane
Concen: 52.48 ug/L
RT: 3.823 min Scan# 1165
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 84 Resp: 185960

Ion	Ratio	Lower	Upper
84	100		
69	35.5	16.2	56.2
41	97.7	73.6	113.6

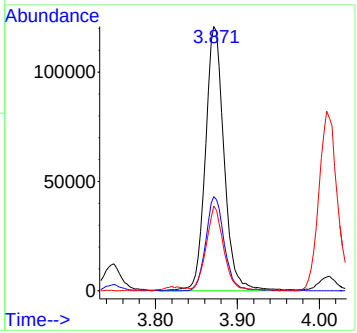


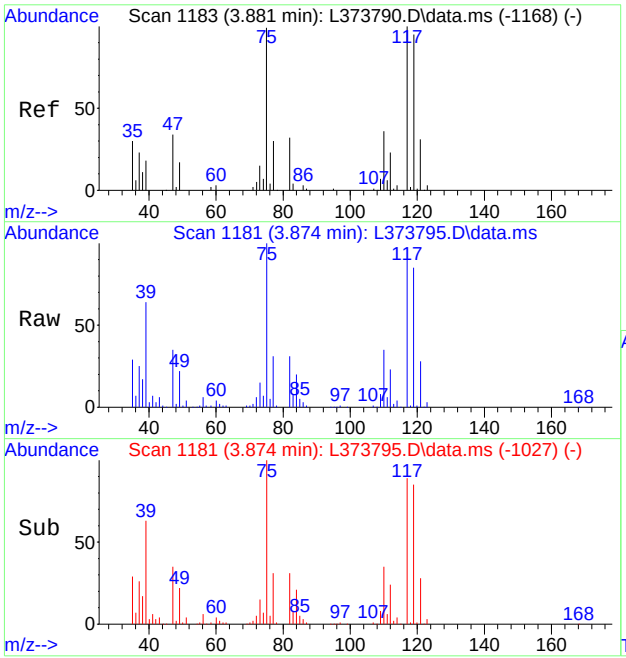


#47
1,1-dichloropropene
Concen: 55.25 ug/L
RT: 3.871 min Scan# 1180
Delta R.T. -0.006 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 75 Resp: 191077

Ion	Ratio	Lower	Upper
75	100		
110	35.7	17.0	57.0
77	31.8	10.2	50.2

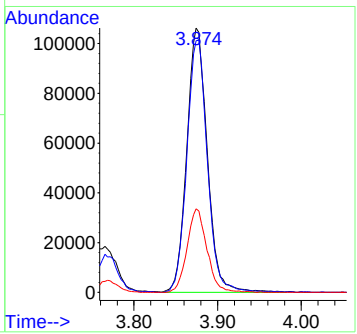


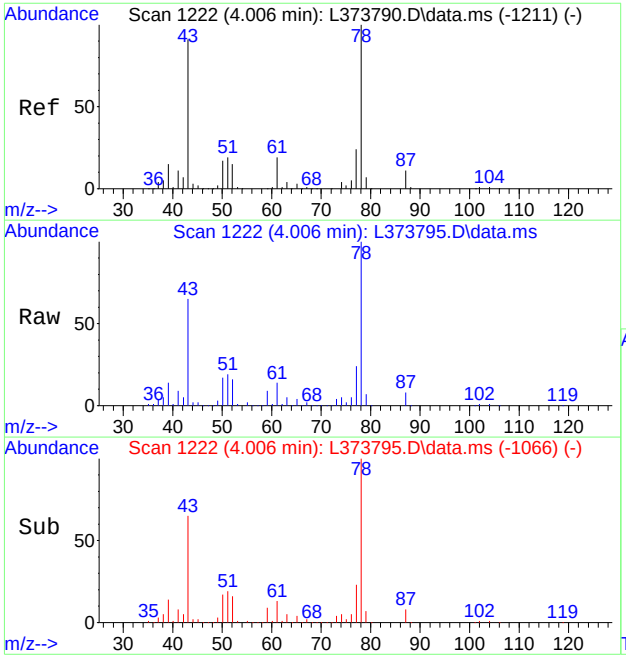


#48
carbon tetrachloride
Concen: 52.23 ug/L
RT: 3.874 min Scan# 1181
Delta R.T. -0.007 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion:117 Resp: 181577

Ion	Ratio	Lower	Upper
117	100		
119	95.2	74.4	114.4
121	31.6	10.8	50.8

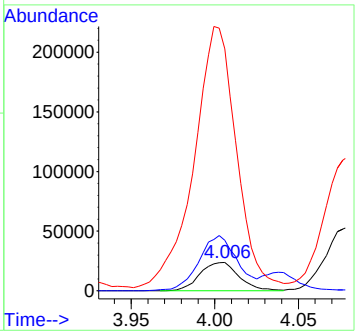


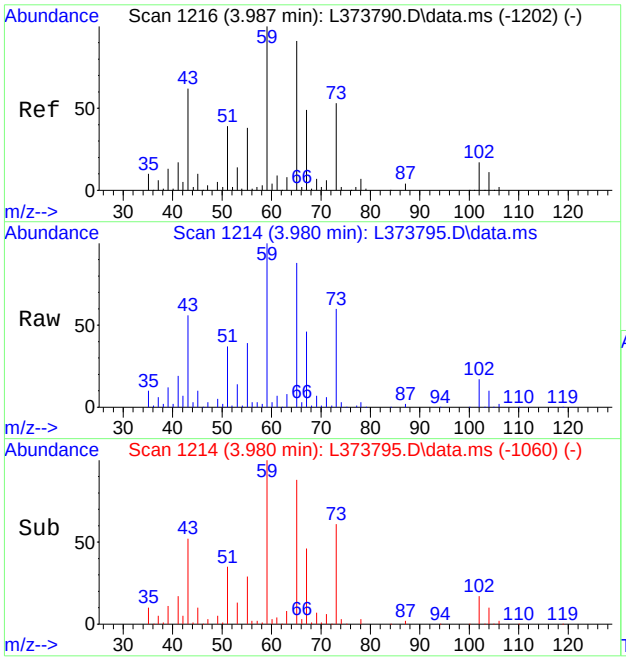


#49
isopropyl acetate
Concen: 50.30 ug/L
RT: 4.006 min Scan# 1222
Delta R.T. -0.000 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 87 Resp: 38807

Ion	Ratio	Lower	Upper
87	100		
61	174.6	152.1	192.1
43	826.3	844.1	904.1#

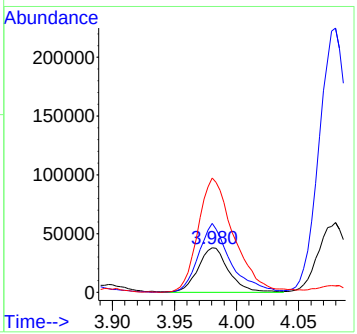


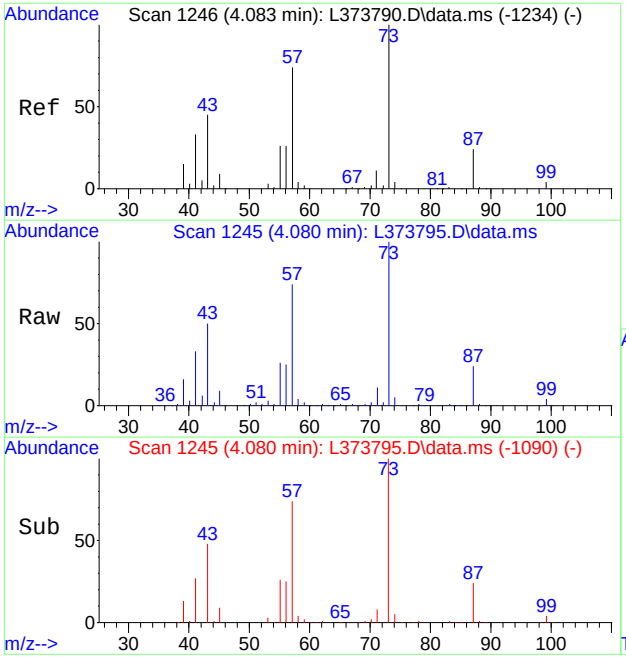


#50
tert amyl alcohol
Concen: 215.27 ug/L
RT: 3.980 min Scan# 1214
Delta R.T. -0.007 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 55 Resp: 65016

Ion	Ratio	Lower	Upper
55	100		
73	156.4	119.2	159.2
59	259.6	242.0	282.0

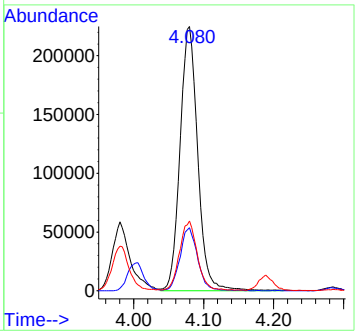


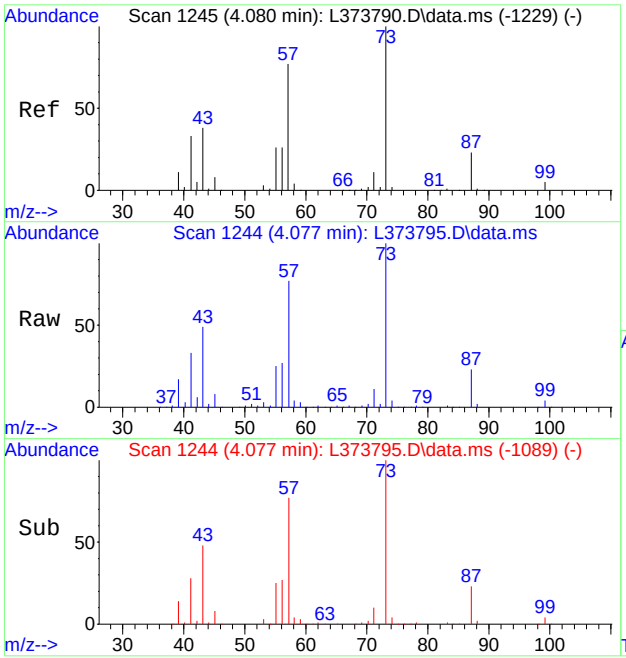


#53
tert-amyl methyl ether
Concen: 48.11 ug/L
RT: 4.080 min Scan# 1245
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 73 Resp: 396377

Ion	Ratio	Lower	Upper
73	100		
87	23.9	4.6	44.6
55	26.1	5.7	45.7

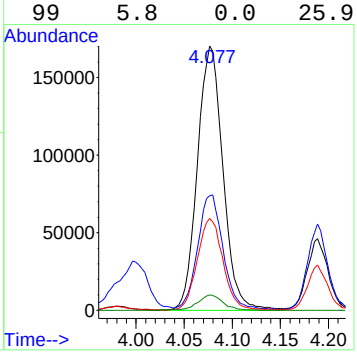


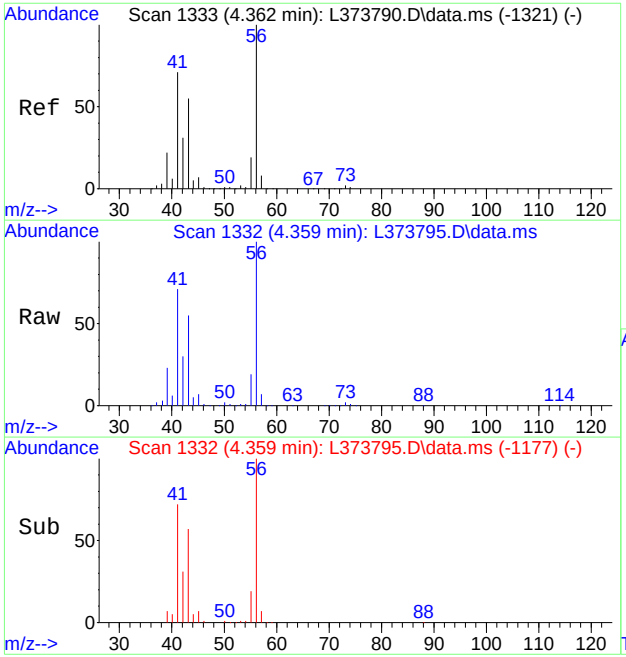


#54
2,2,4-trimethylpentane
Concen: 51.54 ug/L
RT: 4.077 min Scan# 1244
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 57 Resp: 316077

Ion	Ratio	Lower	Upper
57	100		
41	42.9	25.1	65.1
56	34.6	13.8	53.8
99	5.8	0.0	25.9

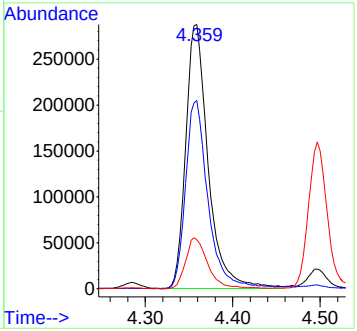


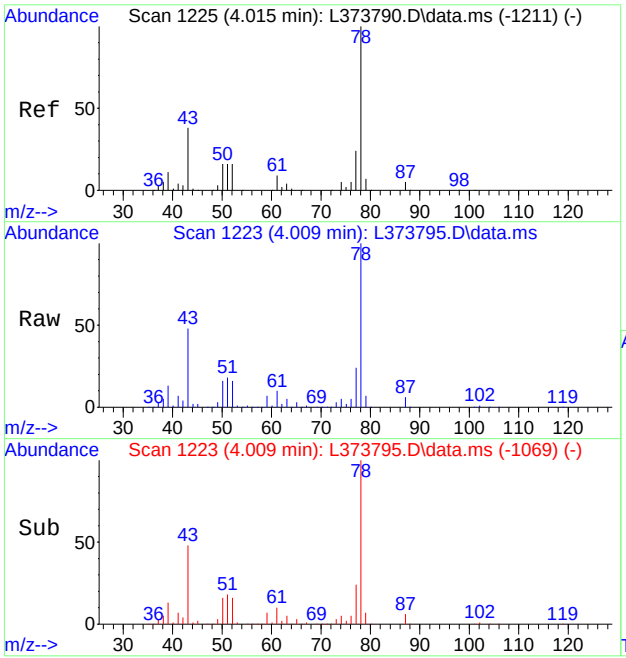


#55
n-butyl alcohol
Concen: 2121.15 ug/L
RT: 4.359 min Scan# 1332
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 56 Resp: 513677

Ion	Ratio	Lower	Upper
56	100		
41	71.3	40.6	100.6
55	18.6	0.0	49.1

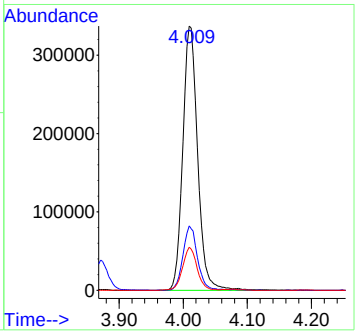


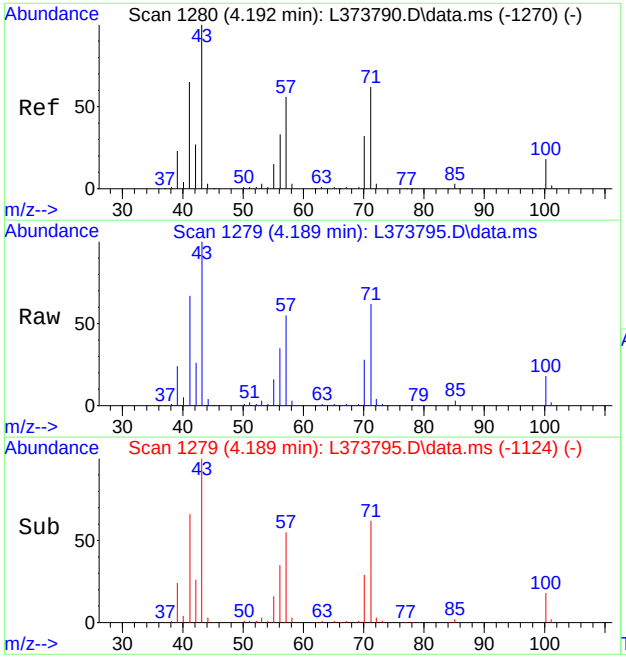


#56
benzene
Concen: 49.41 ug/L
RT: 4.009 min Scan# 1223
Delta R.T. -0.006 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 78 Resp: 544247

Ion	Ratio	Lower	Upper
78	100		
77	24.4	0.0	53.5
52	16.3	0.0	46.2

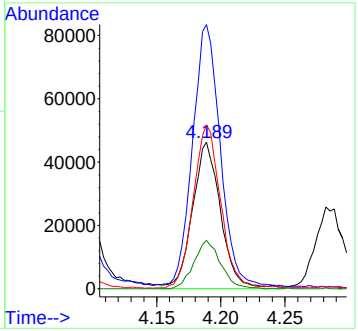


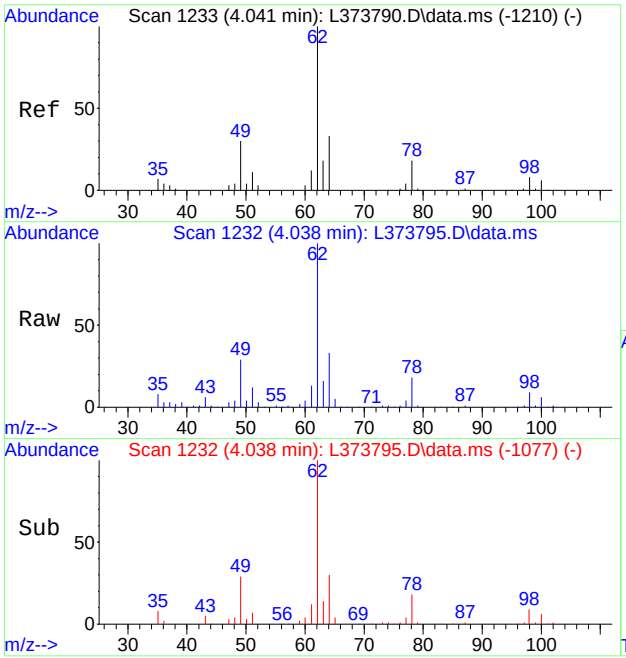


#57
heptane
Concen: 54.77 ug/L
RT: 4.189 min Scan# 1279
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 57 Resp: 71199

Ion	Ratio	Lower	Upper
57	100		
43	180.6	146.8	206.8
71	112.4	78.5	138.5
100	33.5	1.1	61.1

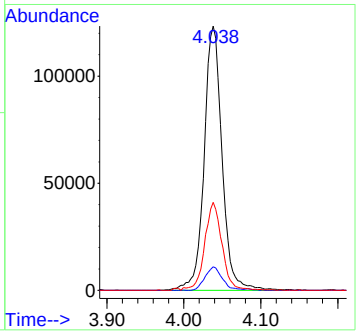


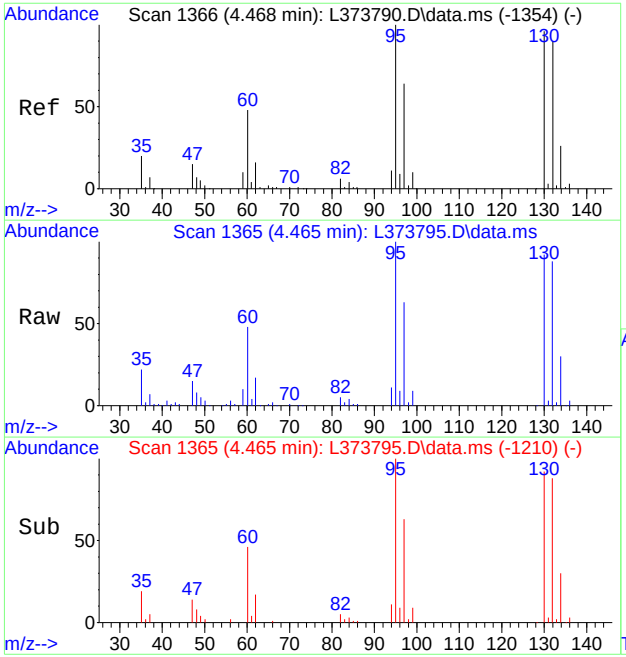


#58
1,2-dichloroethane
Concen: 47.79 ug/L
RT: 4.038 min Scan# 1232
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 62 Resp: 200369

Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	38.1
64	33.3	2.8	62.8

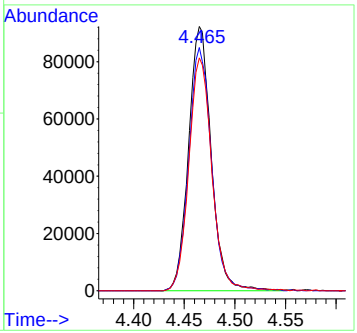


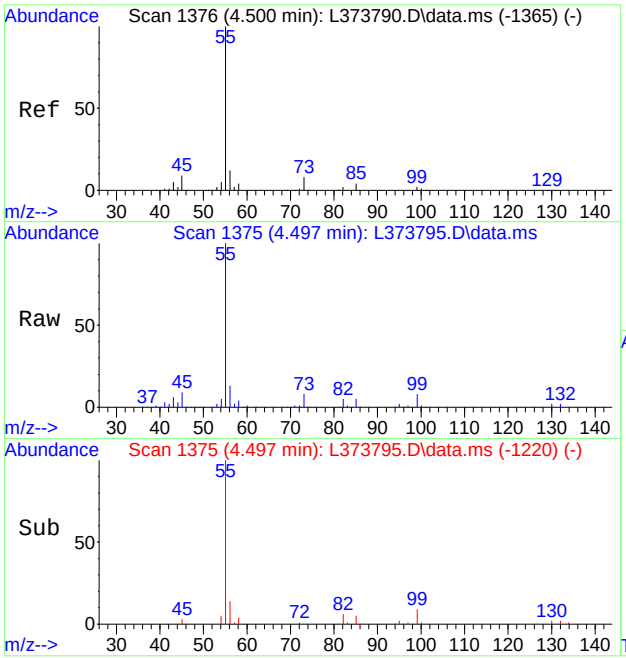


#59
trichloroethene
Concen: 51.76 ug/L
RT: 4.465 min Scan# 1365
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 95 Resp: 143545

Ion	Ratio	Lower	Upper
95	100		
130	92.0	65.5	125.5
132	88.1	59.7	119.7

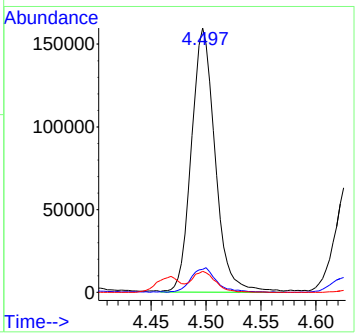


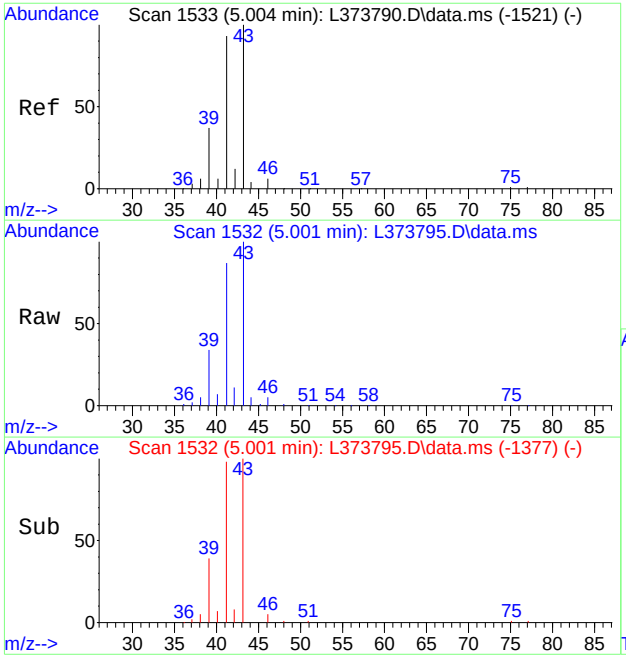


#60
ethyl acrylate
Concen: 48.27 ug/L
RT: 4.497 min Scan# 1375
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 55 Resp: 239560

Ion	Ratio	Lower	Upper
55	100		
45	8.6	0.0	28.6
99	8.1	0.0	27.8

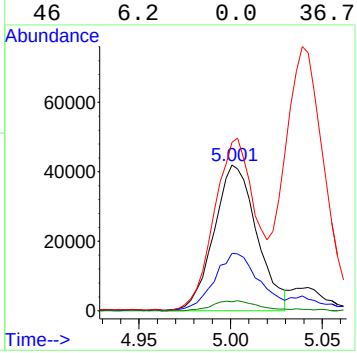


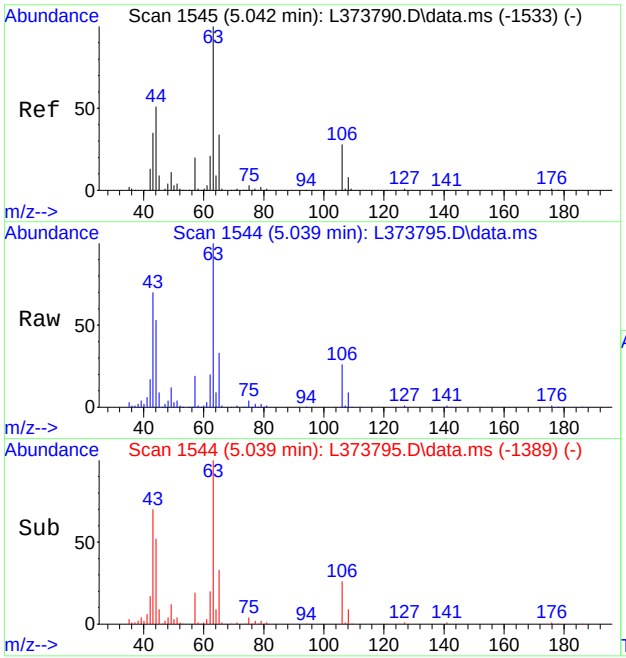


#61
2-nitropropane
Concen: 46.67 ug/L
RT: 5.001 min Scan# 1532
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 41 Resp: 68725

Ion	Ratio	Lower	Upper
41	100		
39	39.5	10.0	70.0
43	114.6	77.9	137.9
46	6.2	0.0	36.7

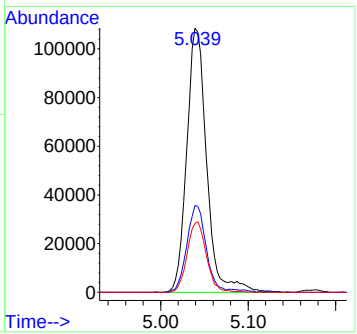


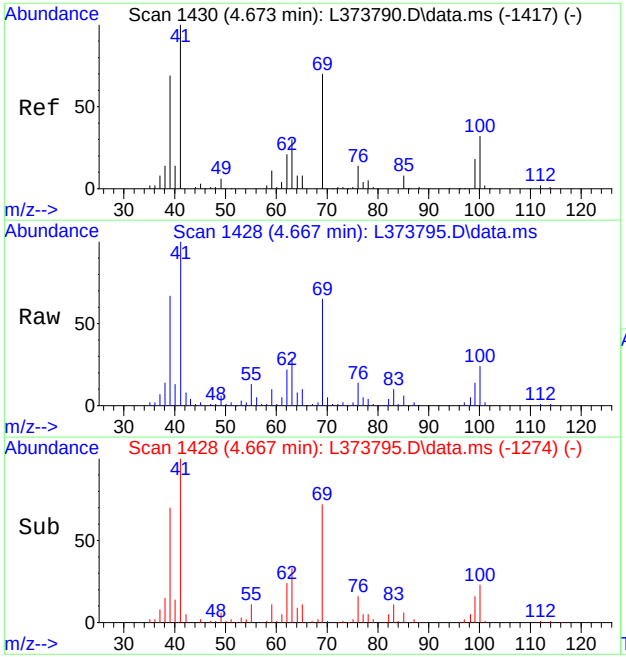


#62
2-chloroethyl vinyl ether
Concen: 180.82 ug/L
RT: 5.039 min Scan# 1544
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 63 Resp: 172438

Ion	Ratio	Lower	Upper
63	100		
65	32.8	3.9	63.9
106	26.1	0.0	57.6

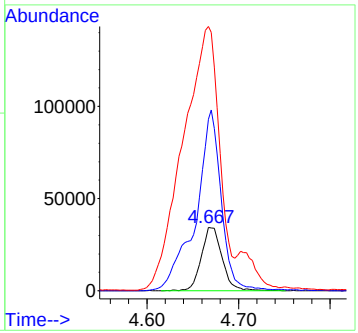


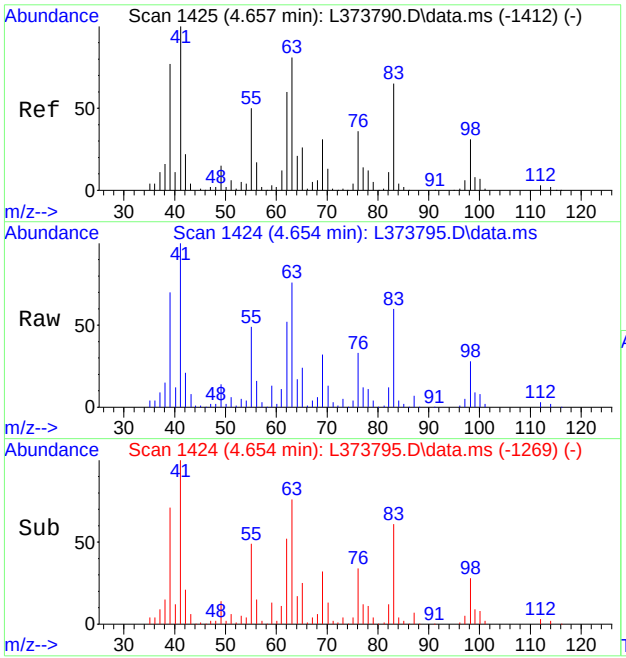


#63
methyl methacrylate
Concen: 59.49 ug/L
RT: 4.667 min Scan# 1428
Delta R.T. -0.006 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion:100 Resp: 54689

Ion	Ratio	Lower	Upper
100	100		
69	269.3	221.2	281.2
41	411.8	360.4	420.4

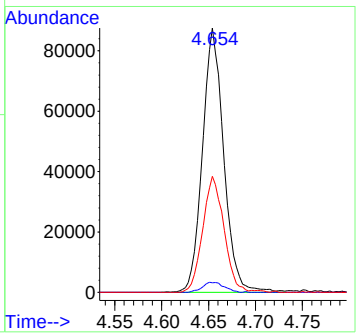


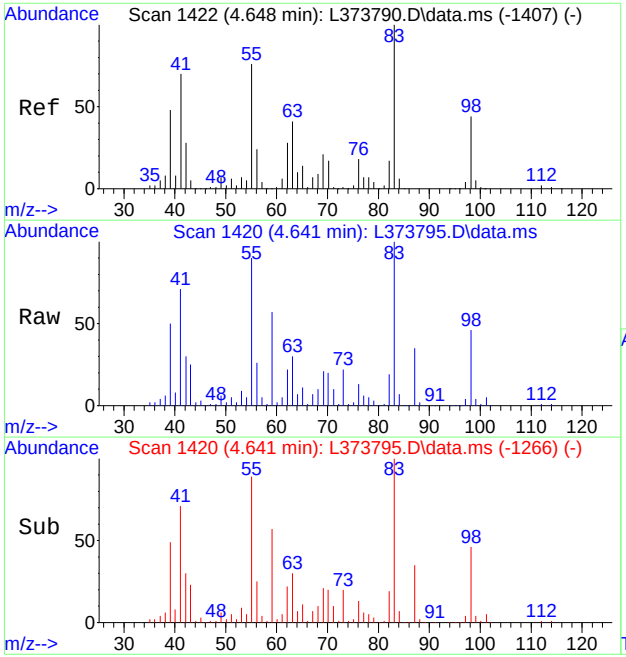


#64
1,2-dichloropropane
Concen: 49.19 ug/L
RT: 4.654 min Scan# 1424
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 63 Resp: 138296

Ion	Ratio	Lower	Upper
63	100		
112	3.6	0.0	34.1
76	43.9	14.3	74.3

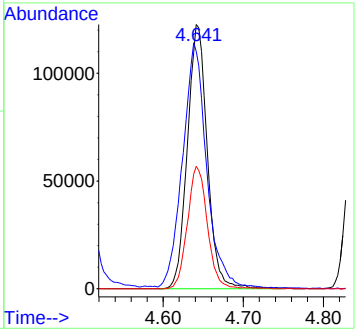


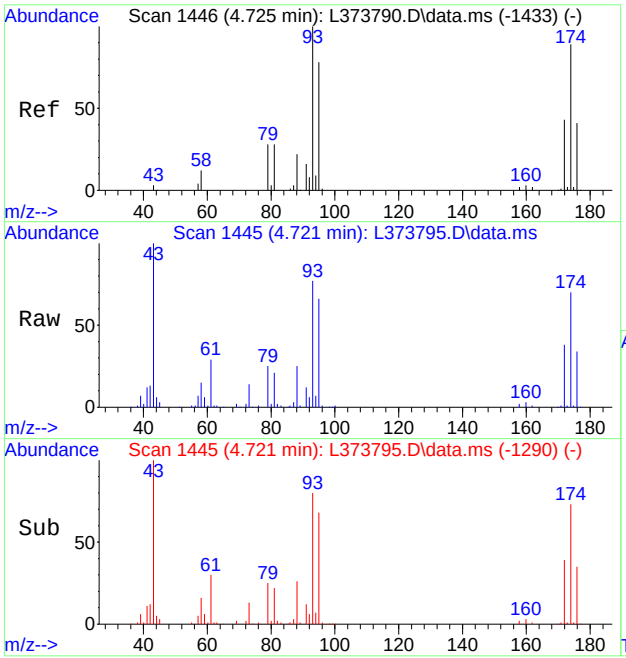


#65
methylcyclohexane
Concen: 55.88 ug/L
RT: 4.641 min Scan# 1420
Delta R.T. -0.007 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 83 Resp: 212430

Ion	Ratio	Lower	Upper
83	100		
55	89.3	46.3	106.3
98	46.3	13.7	73.7

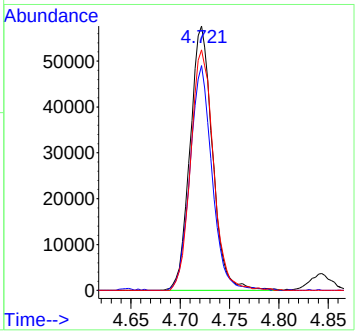


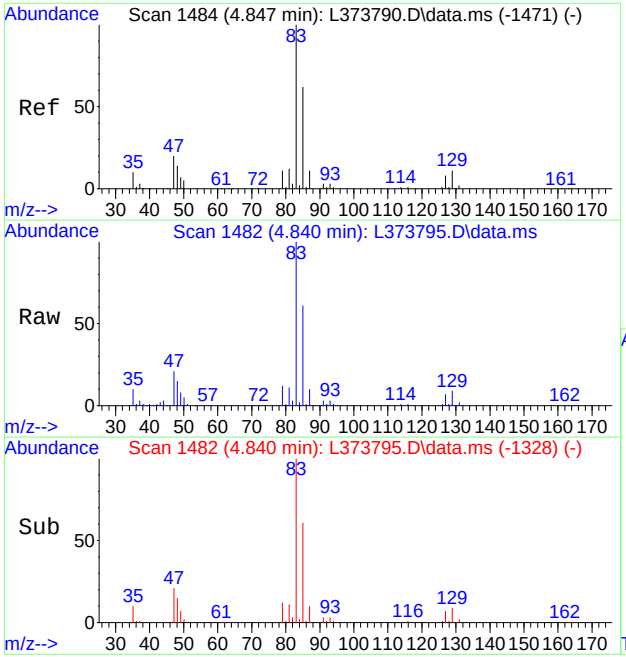


#66
dibromomethane
Concen: 47.28 ug/L
RT: 4.721 min Scan# 1445
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 93 Resp: 91592

Ion	Ratio	Lower	Upper
93	100		
95	85.0	48.3	108.3
174	90.9	59.2	119.2

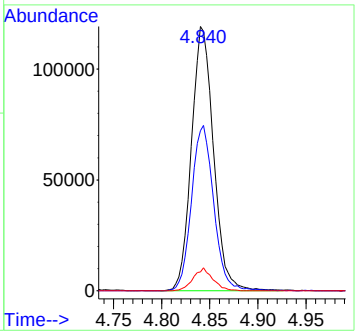


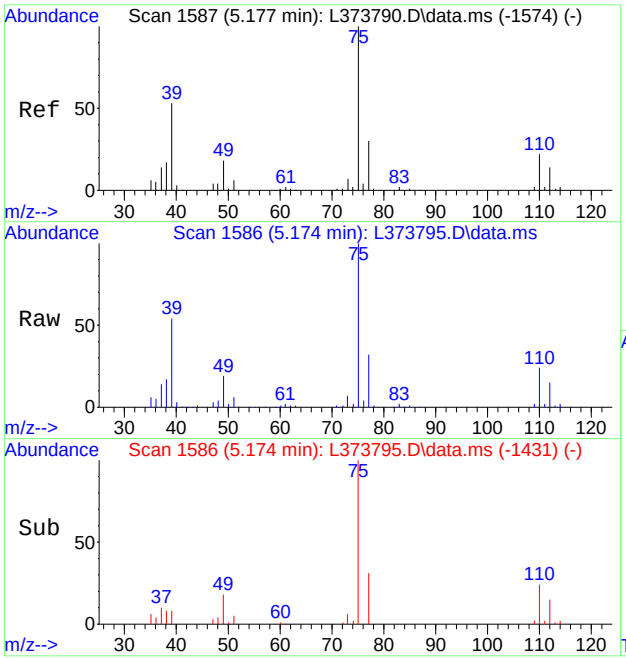


#67
bromodichloromethane
Concen: 47.61 ug/L
RT: 4.840 min Scan# 1482
Delta R.T. -0.007 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 83 Resp: 191040

Ion	Ratio	Lower	Upper
83	100		
85	60.6	31.5	91.5
127	7.1	0.0	38.3

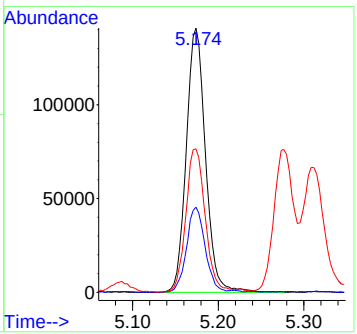


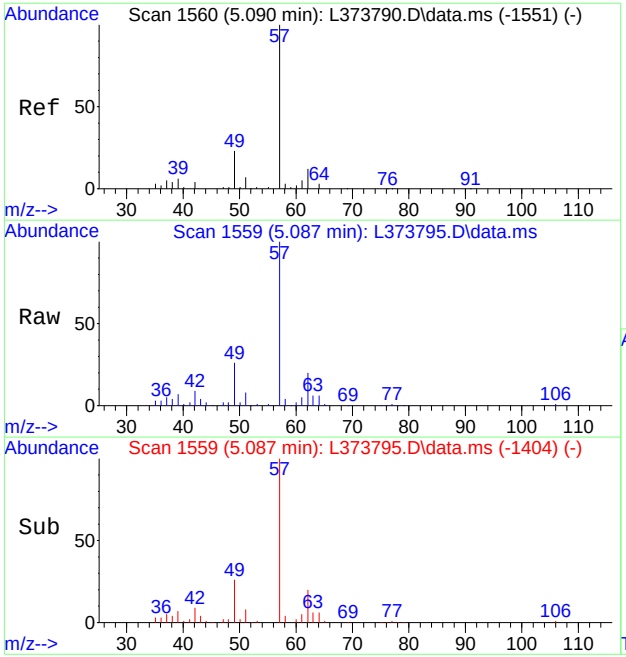


#68
cis-1,3-dichloropropene
Concen: 49.01 ug/L
RT: 5.174 min Scan# 1586
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 75 Resp: 220429

Ion	Ratio	Lower	Upper
75	100		
77	32.2	0.1	60.1
39	54.0	23.1	83.1

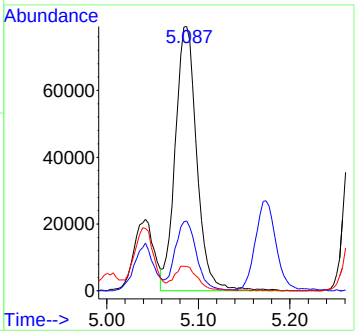


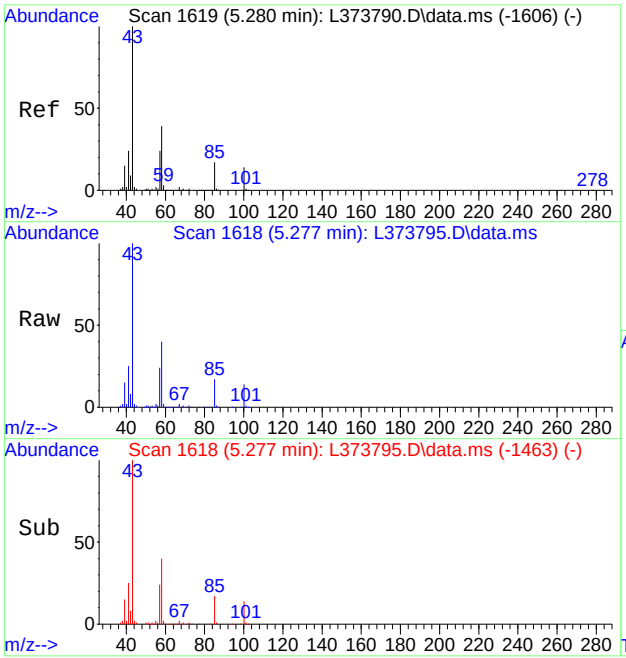


#69
epichlorohydrin
Concen: 225.80 ug/L
RT: 5.087 min Scan# 1559
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 57 Resp: 129472

Ion	Ratio	Lower	Upper
57	100		
49	21.5	1.0	41.0
42	9.3	0.0	29.5

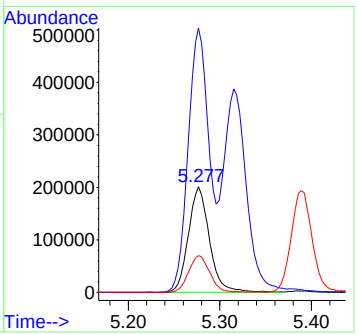


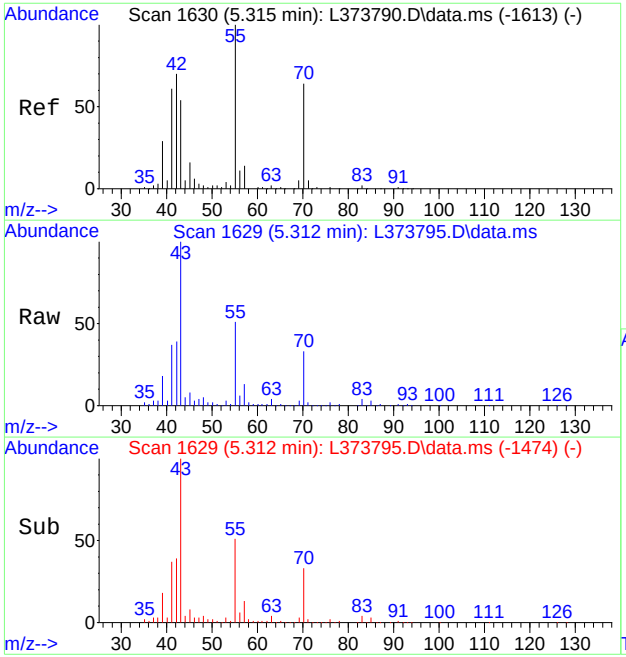


#70
4-methyl-2-pentanone
Concen: 181.96 ug/L
RT: 5.277 min Scan# 1618
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 58 Resp: 321657

Ion	Ratio	Lower	Upper
58	100		
43	249.6	233.3	273.3
100	34.8	15.2	55.2

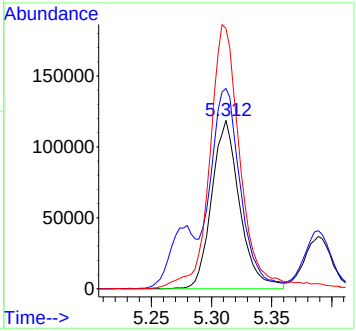


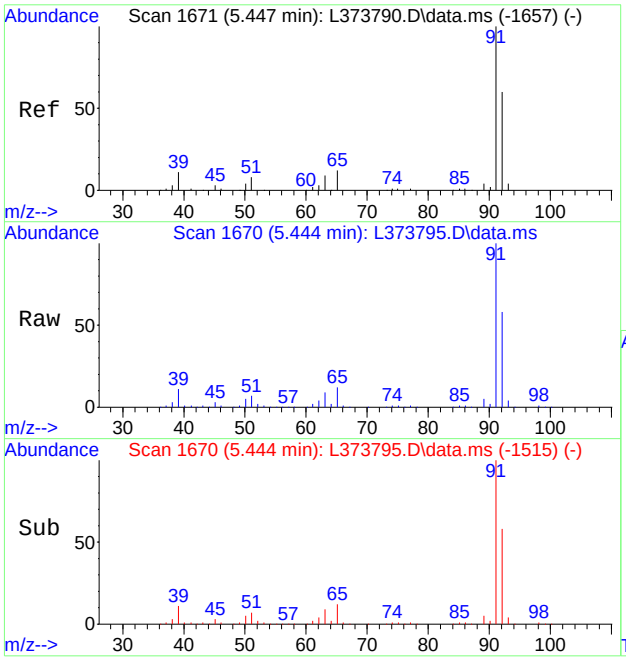


#71
3-methyl-1-butanol
Concen: 851.80 ug/L
RT: 5.312 min Scan# 1629
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 70 Resp: 192738

Ion	Ratio	Lower	Upper
70	100		
42	115.2	94.2	134.2
55	153.3	137.5	177.5

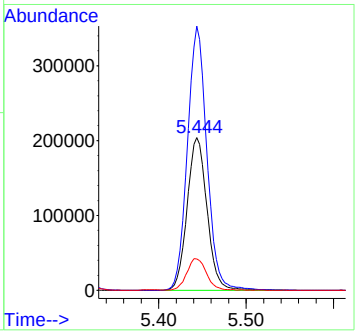


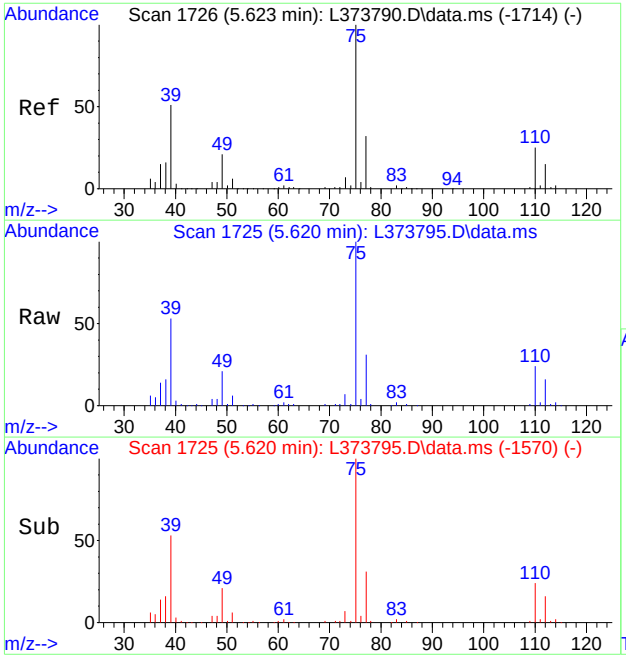


#74
toluene
Concen: 50.00 ug/L
RT: 5.444 min Scan# 1670
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 92 Resp: 324424

Ion	Ratio	Lower	Upper
92	100		
91	173.1	136.7	196.7
65	20.4	0.0	50.8

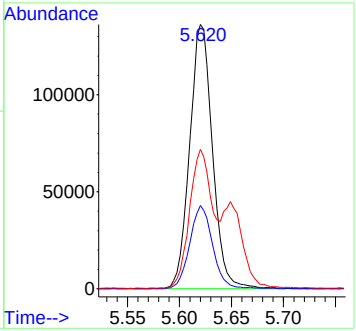


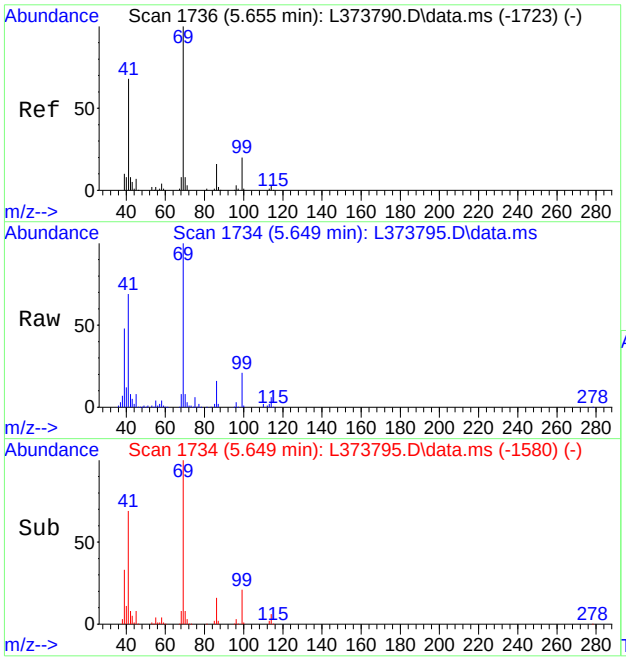


#75
trans-1,3-dichloropropene
Concen: 51.61 ug/L
RT: 5.620 min Scan# 1725
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 75 Resp: 208819

Ion	Ratio	Lower	Upper
75	100		
77	31.3	1.7	61.7
39	52.5	20.7	80.7

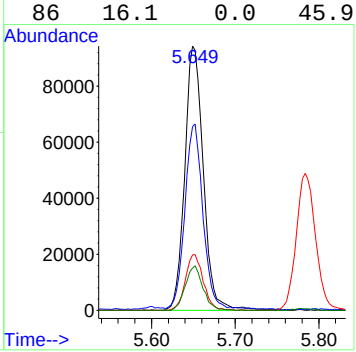


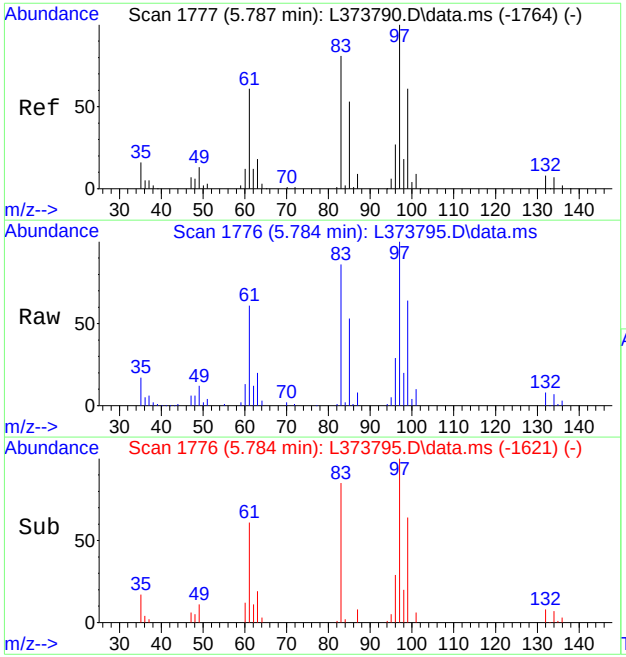


#76
ethyl methacrylate
Concen: 35.65 ug/L
RT: 5.649 min Scan# 1734
Delta R.T. -0.006 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 69 Resp: 145736

Ion	Ratio	Lower	Upper
69	100		
41	69.2	38.9	98.9
99	21.1	0.0	50.4
86	16.1	0.0	45.9

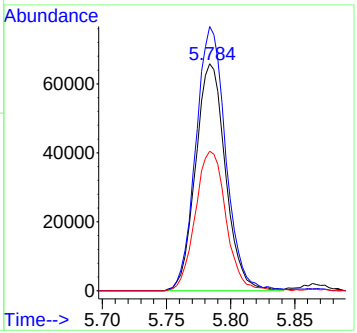


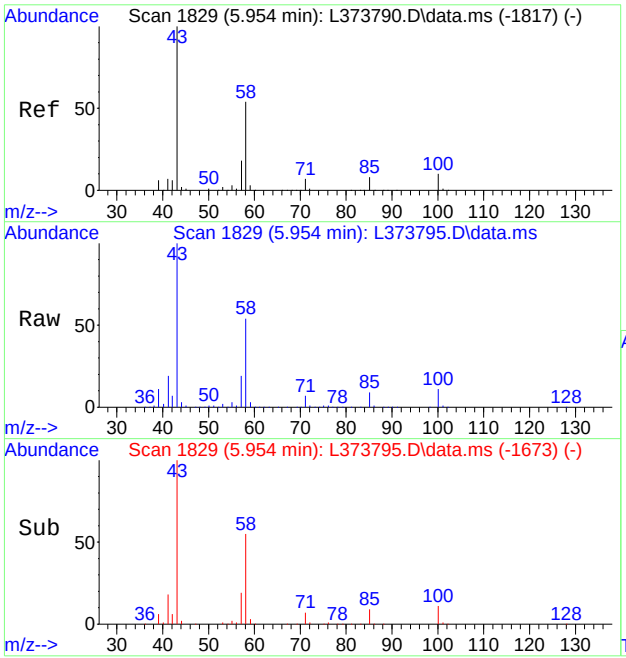


#77
1,1,2-trichloroethane
Concen: 49.74 ug/L
RT: 5.784 min Scan# 1776
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 83 Resp: 107020

Ion	Ratio	Lower	Upper
83	100		
97	116.4	93.6	153.6
85	61.5	35.4	95.4

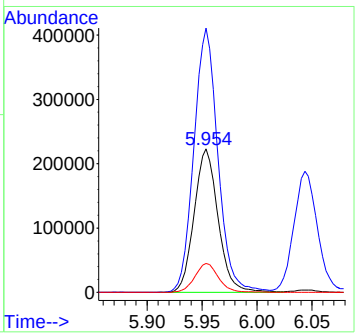


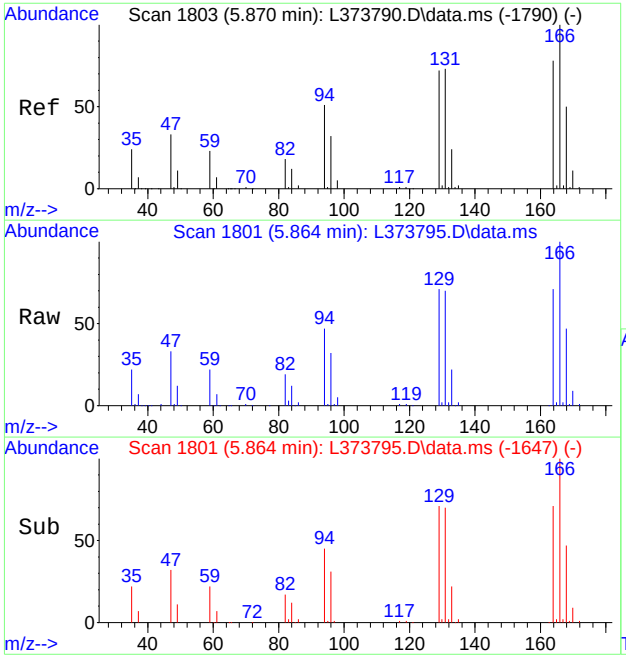


#78
2-hexanone
Concen: 183.55 ug/L
RT: 5.954 min Scan# 1829
Delta R.T. -0.000 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 58 Resp: 338480

Ion	Ratio	Lower	Upper
58	100		
43	183.9	154.6	214.6
100	20.1	0.0	49.0

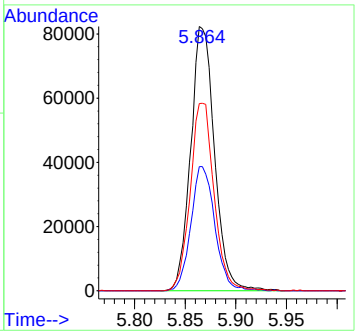


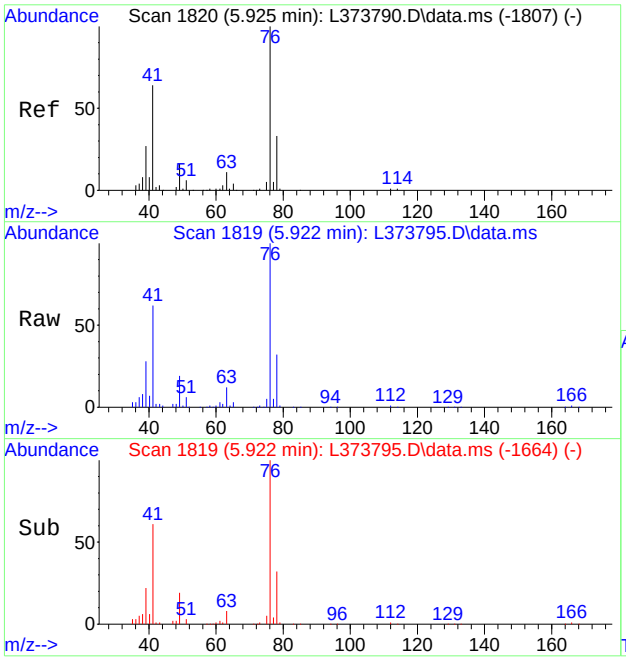


#79
tetrachloroethene
Concen: 51.97 ug/L
RT: 5.864 min Scan# 1801
Delta R.T. -0.006 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion:166 Resp: 135448

Ion	Ratio	Lower	Upper
166	100		
168	47.0	19.7	79.7
129	70.8	42.4	102.4

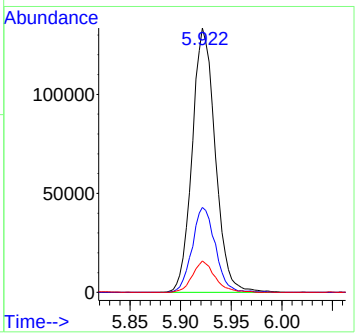


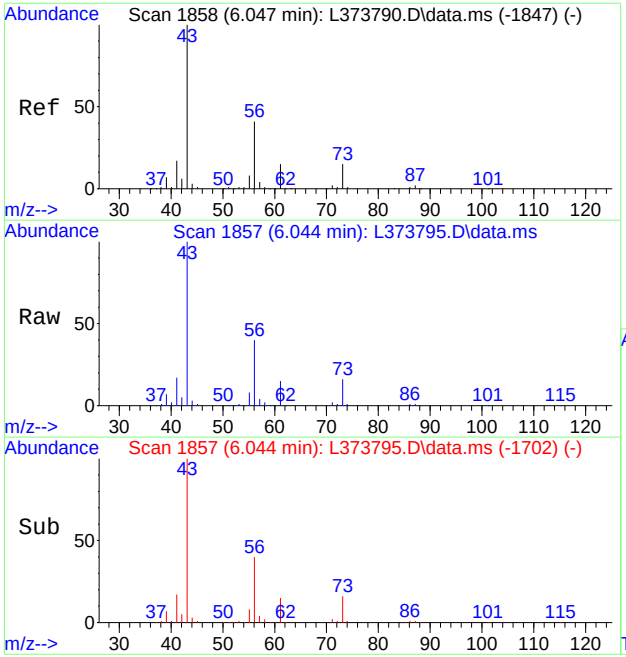


#80
1,3-dichloropropane
Concen: 51.12 ug/L
RT: 5.922 min Scan# 1819
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 76 Resp: 211951

Ion	Ratio	Lower	Upper
76	100		
78	32.1	2.7	62.7
63	11.9	0.0	41.2

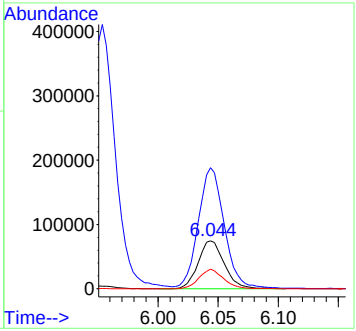


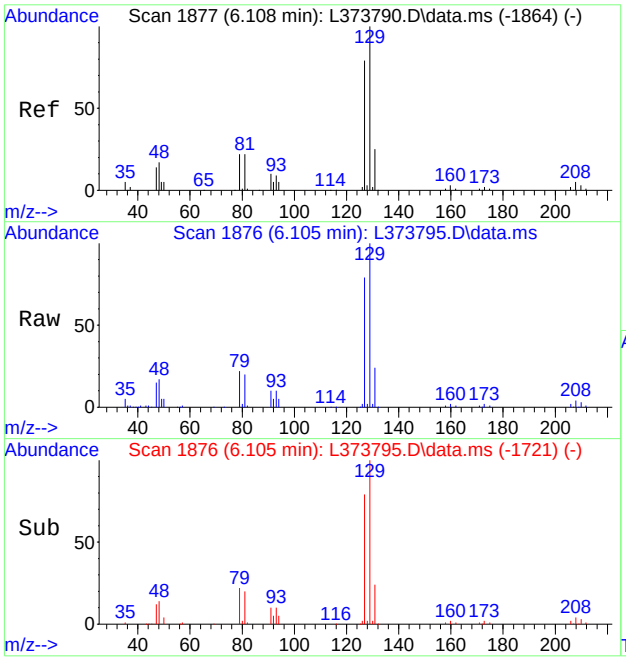


#81
butyl acetate
Concen: 46.44 ug/L
RT: 6.044 min Scan# 1857
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 56 Resp: 112850

Ion	Ratio	Lower	Upper
56	100		
43	250.2	218.3	278.3
73	40.8	7.2	67.2

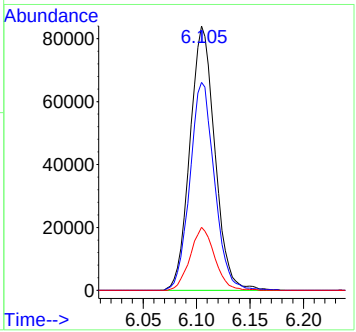


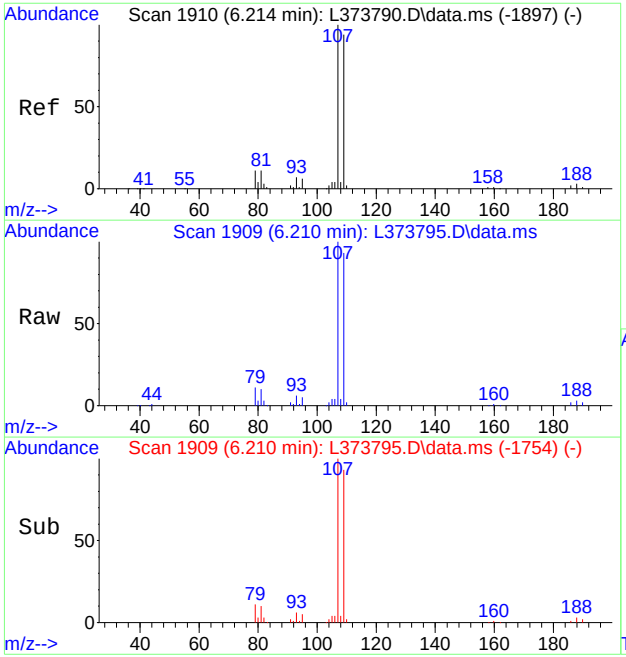


#82
dibromochloromethane
Concen: 49.04 ug/L
RT: 6.105 min Scan# 1876
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion:129 Resp: 136093

Ion	Ratio	Lower	Upper
129	100		
127	78.6	49.0	109.0
131	23.9	0.0	54.6

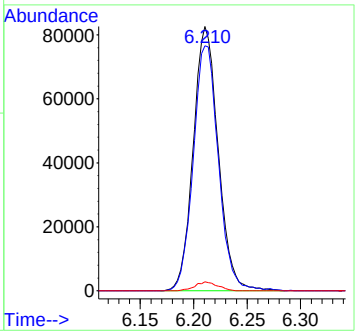


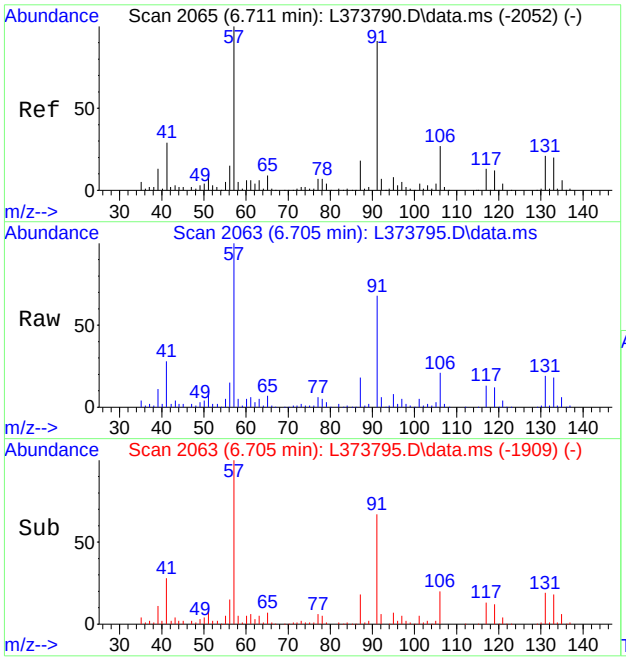


#83
1,2-dibromoethane
Concen: 51.34 ug/L
RT: 6.210 min Scan# 1909
Delta R.T. -0.004 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion:107 Resp: 134188

Ion	Ratio	Lower	Upper
107	100		
109	92.6	63.9	123.9
188	3.4	0.0	33.4

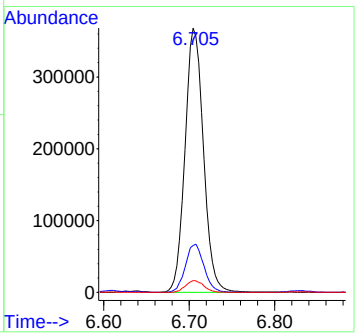


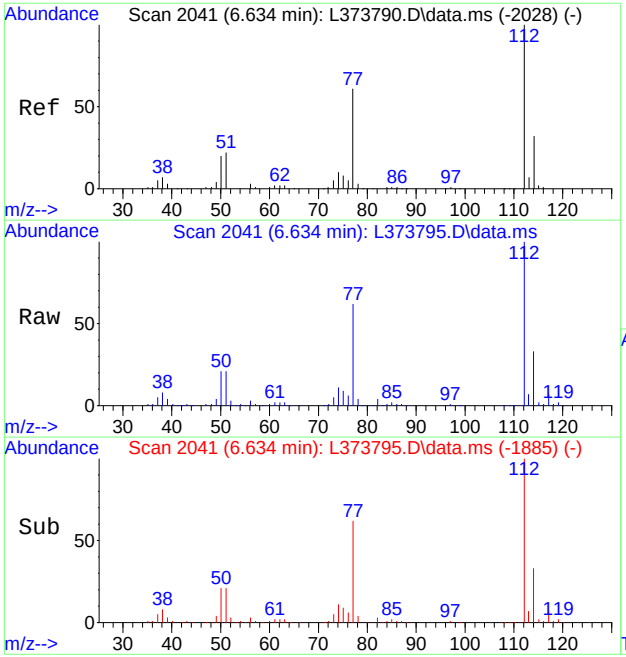


#84
n-butyl ether
Concen: 50.65 ug/L
RT: 6.705 min Scan# 2063
Delta R.T. -0.006 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 57 Resp: 553245

Ion	Ratio	Lower	Upper
57	100		
87	17.7	0.0	47.8
101	4.5	0.0	34.2

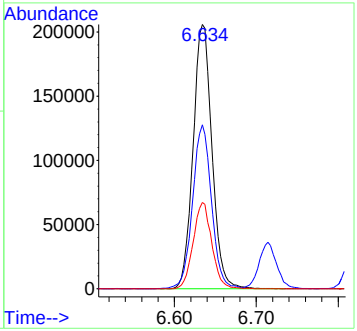


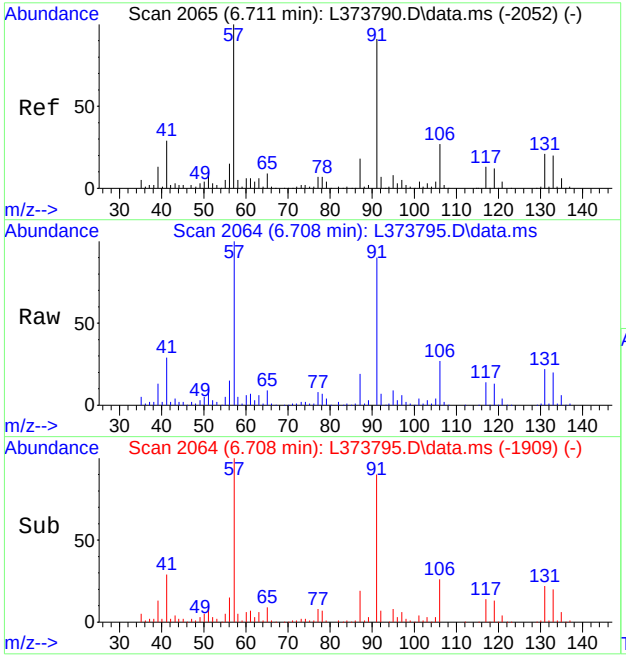


#85
chlorobenzene
Concen: 48.39 ug/L
RT: 6.634 min Scan# 2041
Delta R.T. 0.000 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion:112 Resp: 329673

Ion	Ratio	Lower	Upper
112	100		
77	61.9	30.8	90.8
114	32.6	2.4	62.4

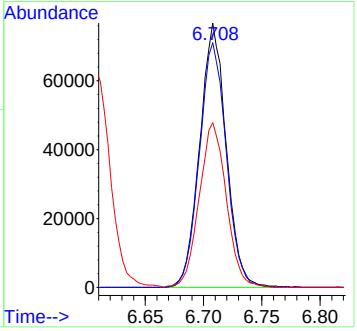


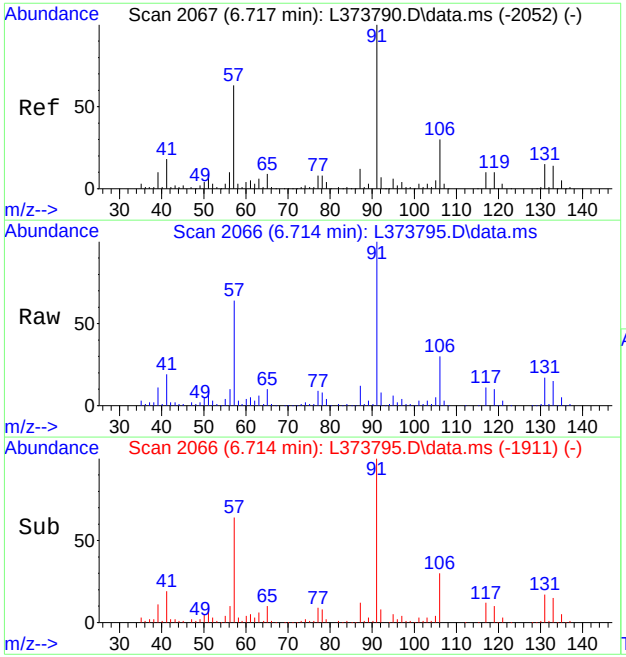


#86
1,1,1,2-tetrachloroethane
Concen: 52.50 ug/L
RT: 6.708 min Scan# 2064
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion:131 Resp: 121048

Ion	Ratio	Lower	Upper
131	100		
133	92.5	65.1	125.1
119	62.4	30.8	90.8

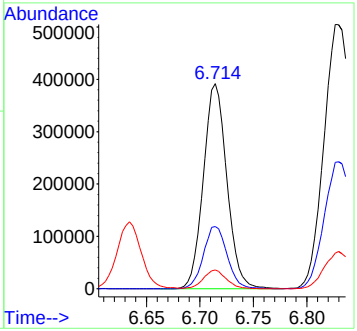


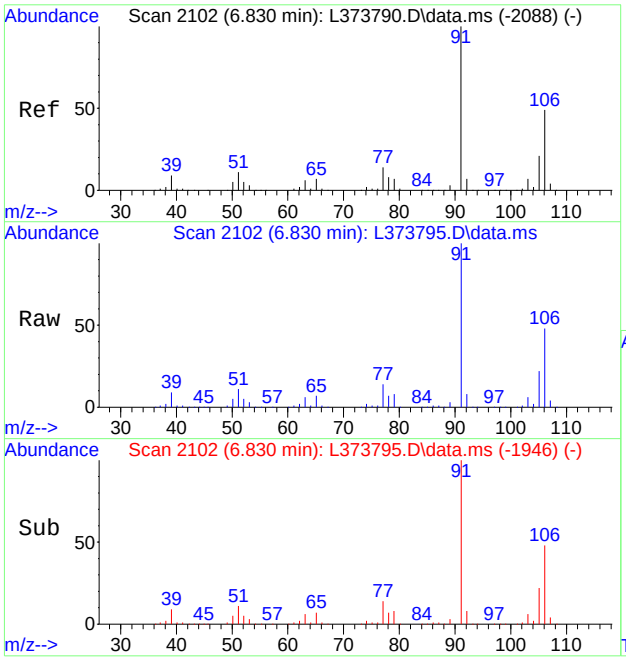


#87
ethylbenzene
Concen: 50.48 ug/L
RT: 6.714 min Scan# 2066
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 91 Resp: 600025

Ion	Ratio	Lower	Upper
91	100		
106	30.3	0.1	60.1
77	9.2	0.0	38.6

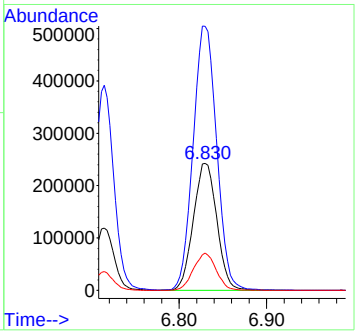


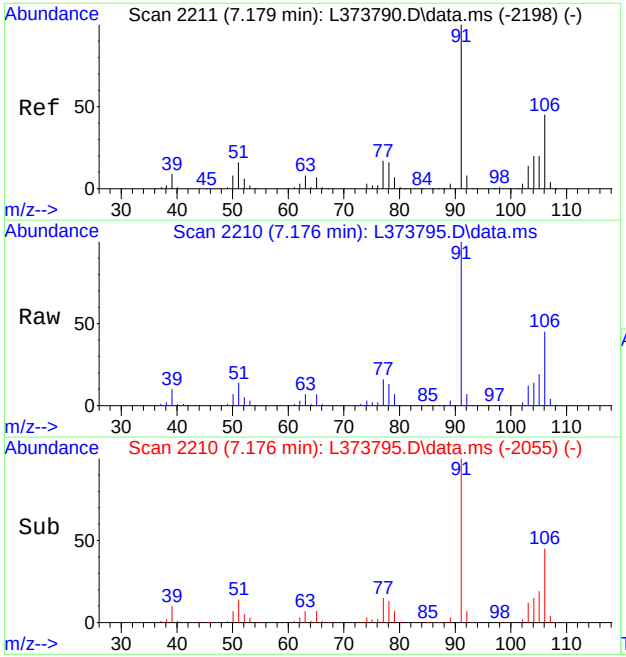


#88
m,p-xylene
Concen: 99.25 ug/L
RT: 6.830 min Scan# 2102
Delta R.T. -0.000 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion:106 Resp: 454360

Ion	Ratio	Lower	Upper
106	100		
91	207.5	175.7	235.7
77	29.5	8.1	48.1

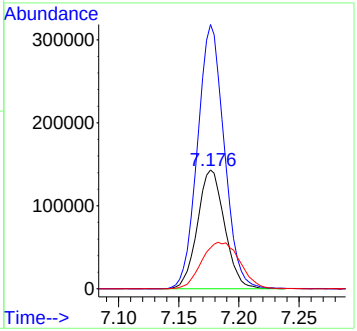


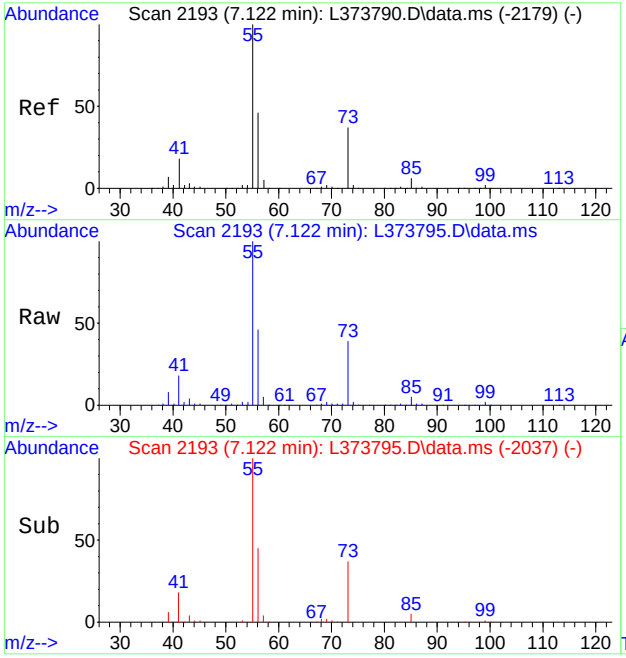


#89
o-xylene
Concen: 50.30 ug/L
RT: 7.176 min Scan# 2210
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion:106 Resp: 225158

Ion	Ratio	Lower	Upper
106	100		
91	222.4	194.5	254.5
77	34.5	18.1	58.1

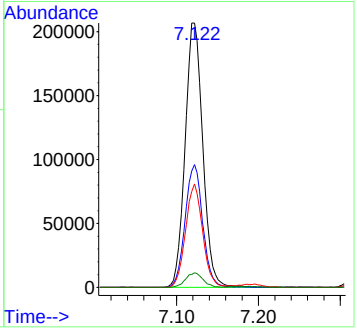


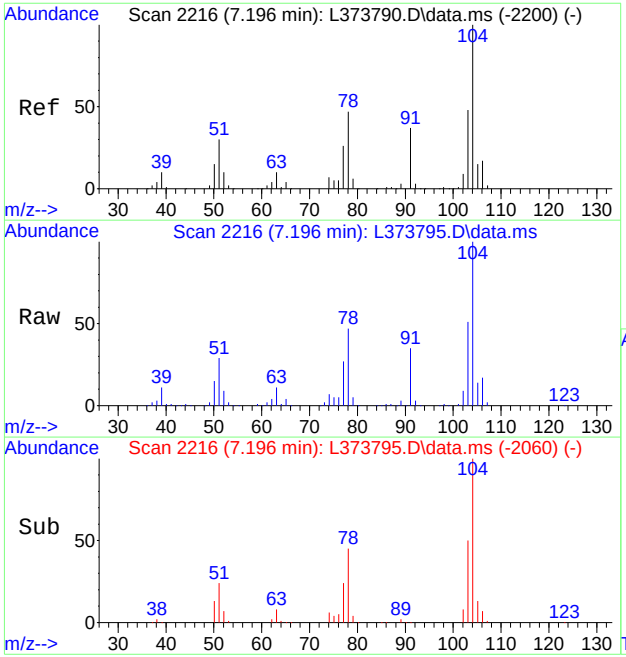


#90
butyl acrylate
Concen: 47.50 ug/L
RT: 7.122 min Scan# 2193
Delta R.T. -0.000 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 55 Resp: 311033

Ion	Ratio	Lower	Upper
55	100		
56	46.5	26.3	66.3
73	39.1	17.5	57.5
85	5.5	0.0	25.6

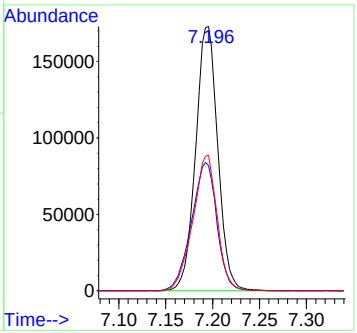


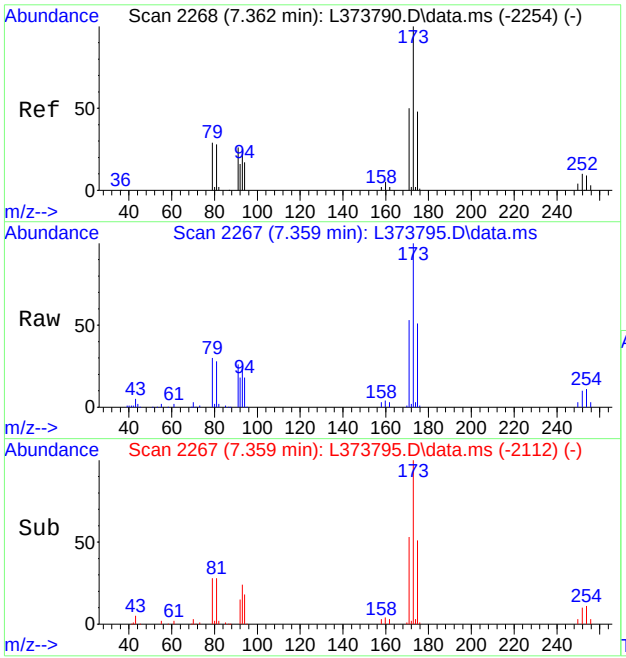


#91
styrene
Concen: 37.88 ug/L
RT: 7.196 min Scan# 2216
Delta R.T. -0.000 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion:104 Resp: 284335

Ion	Ratio	Lower	Upper
104	100		
78	47.4	16.8	76.8
103	51.3	17.7	77.7

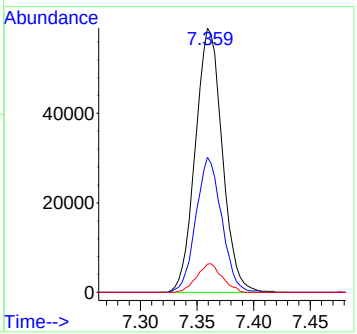


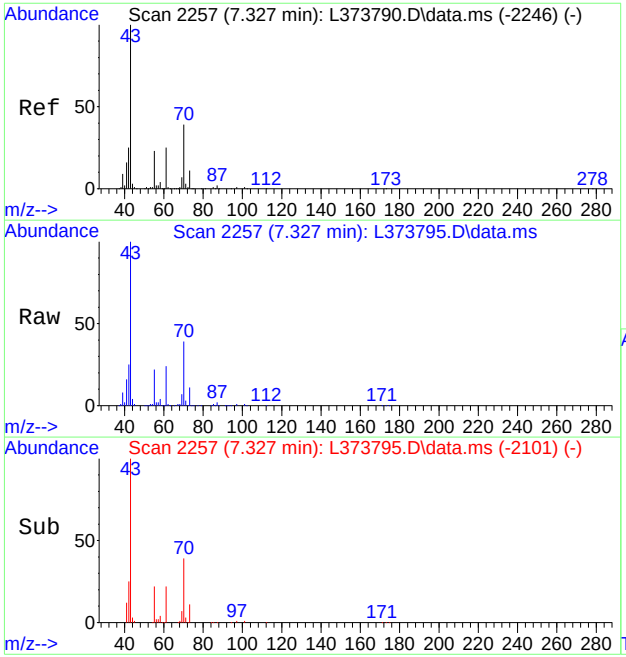


#92
bromoform
Concen: 49.38 ug/L
RT: 7.359 min Scan# 2267
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion:173 Resp: 97377

Ion	Ratio	Lower	Upper
173	100		
175	51.1	17.8	77.8
254	10.7	0.0	39.4

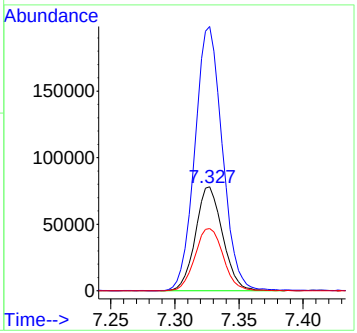


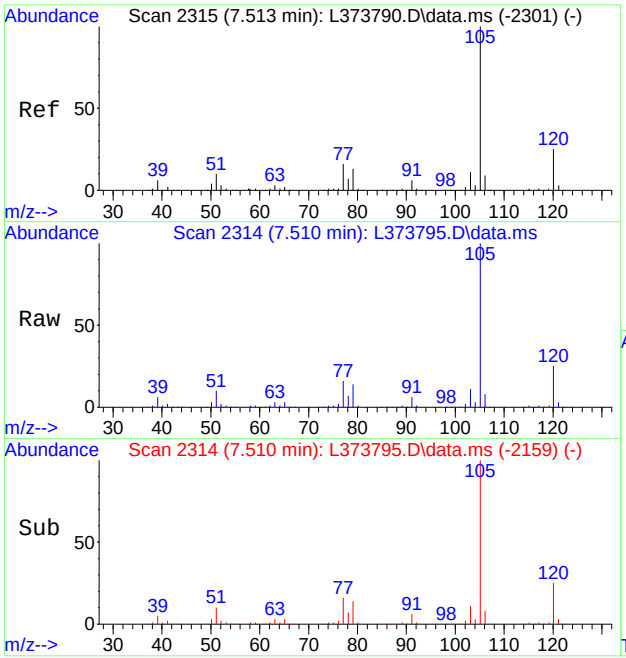


#93
n-amyl acetate
Concen: 47.10 ug/L
RT: 7.327 min Scan# 2257
Delta R.T. 0.000 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 70 Resp: 115414

Ion	Ratio	Lower	Upper
70	100		
43	253.9	233.4	273.4
61	59.9	42.6	82.6

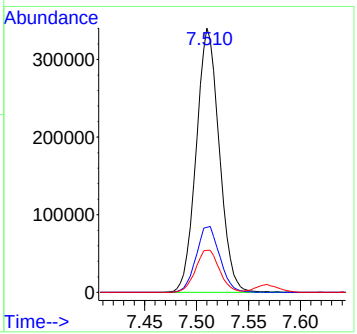


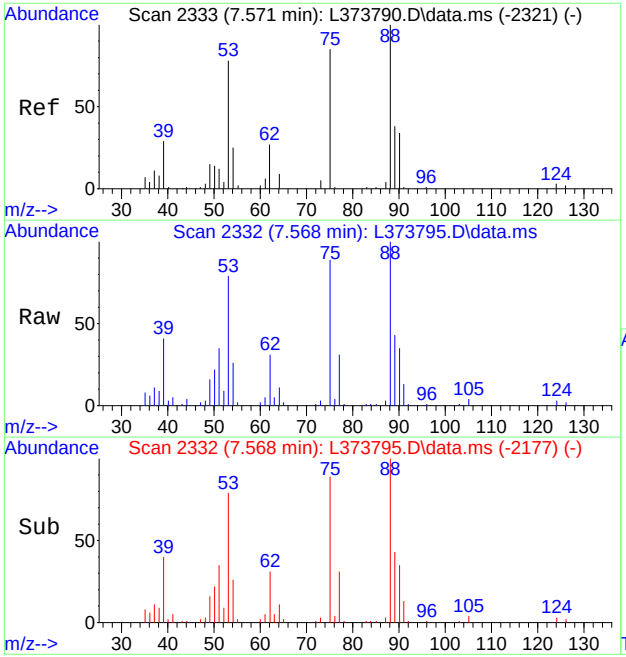


#94
isopropylbenzene
Concen: 48.69 ug/L
RT: 7.510 min Scan# 2314
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion:105 Resp: 526045

Ion	Ratio	Lower	Upper
105	100		
120	24.6	5.2	45.2
77	15.9	0.0	36.2

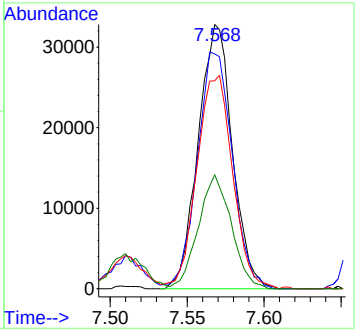


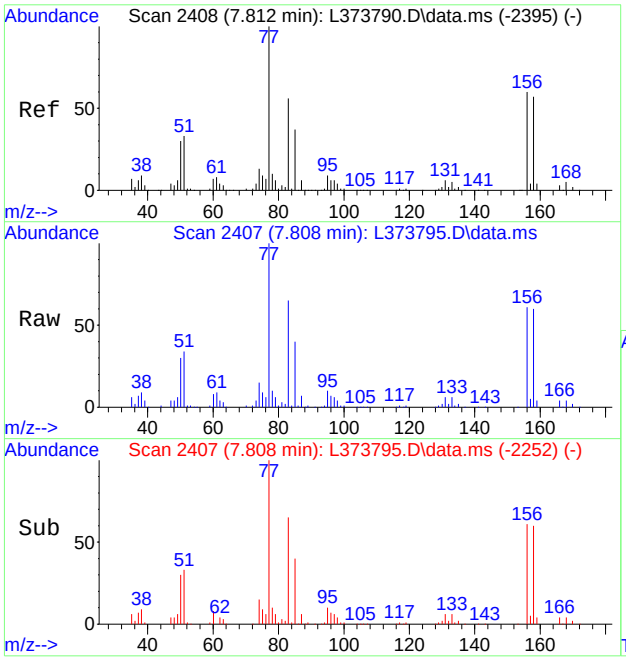


#95
cis-1,4-dichloro-2-butene
Concen: 55.05 ug/L
RT: 7.568 min Scan# 2332
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 88 Resp: 50634

Ion	Ratio	Lower	Upper
88	100		
75	88.9	66.5	106.5
53	78.0	59.7	99.7
89	43.2	20.7	60.7

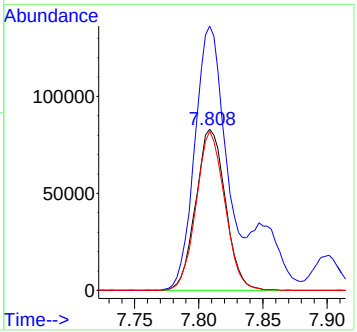


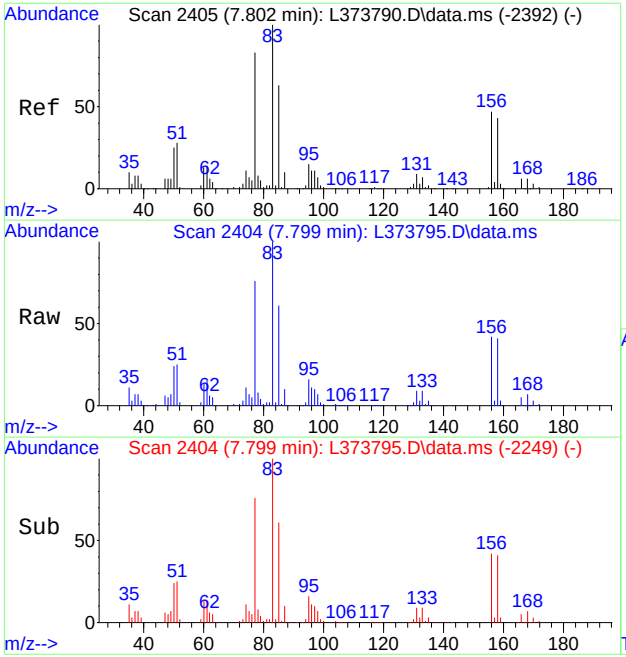


#98
bromobenzene
Concen: 49.44 ug/L
RT: 7.808 min Scan# 2407
Delta R.T. -0.004 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion:156 Resp: 134042

Ion	Ratio	Lower	Upper
156	100		
77	164.1	137.0	197.0
158	98.8	65.5	125.5

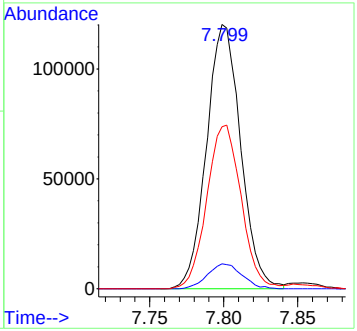


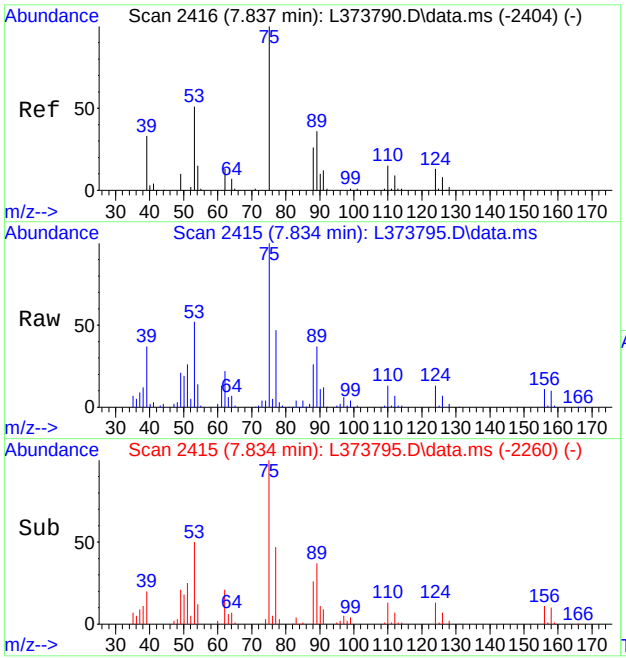


#99
1,1,2,2-tetrachloroethane
Concen: 46.91 ug/L
RT: 7.799 min Scan# 2404
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 83 Resp: 192654

Ion	Ratio	Lower	Upper
83	100		
131	9.4	0.0	38.9
85	61.3	33.3	93.3

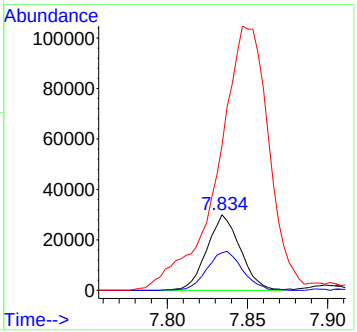


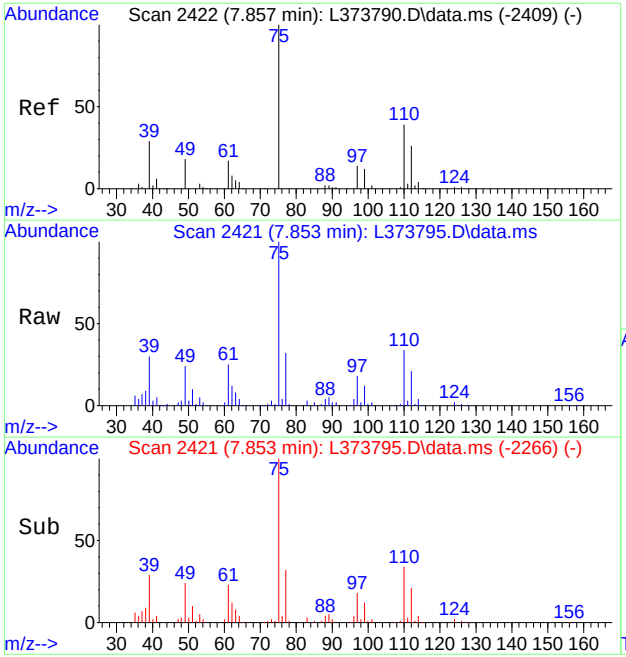


#100
trans-1,4-dichloro-2-butene
Concen: 52.91 ug/L
RT: 7.834 min Scan# 2415
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 53 Resp: 43560

Ion	Ratio	Lower	Upper
53	100		
88	49.9	21.0	81.0
75	173.8	165.8	225.8

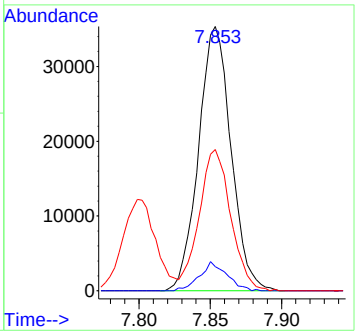


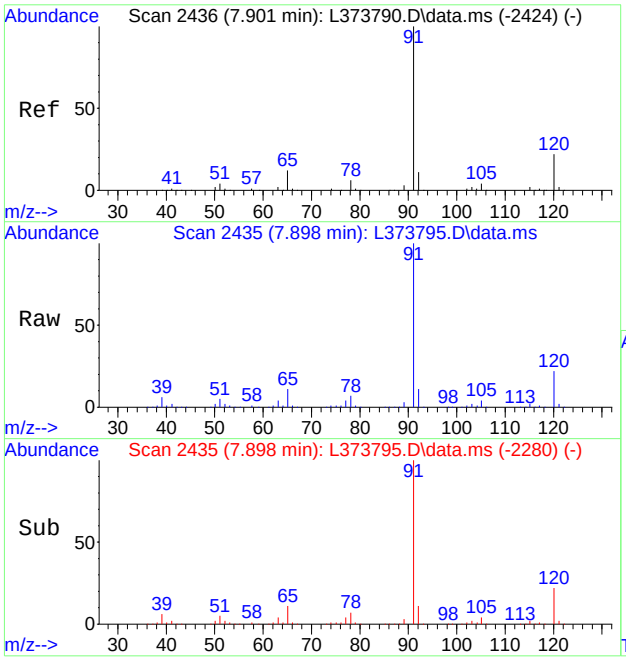


#101
1,2,3-trichloropropane
Concen: 45.61 ug/L
RT: 7.853 min Scan# 2421
Delta R.T. -0.004 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion:110 Resp: 55974

Ion	Ratio	Lower	Upper
110	100		
111	9.1	0.0	38.4
97	53.4	22.5	82.5

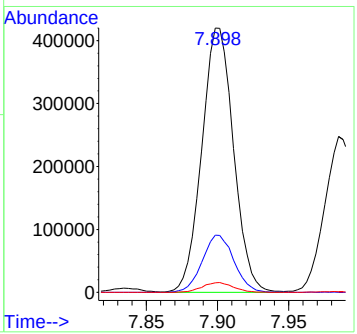


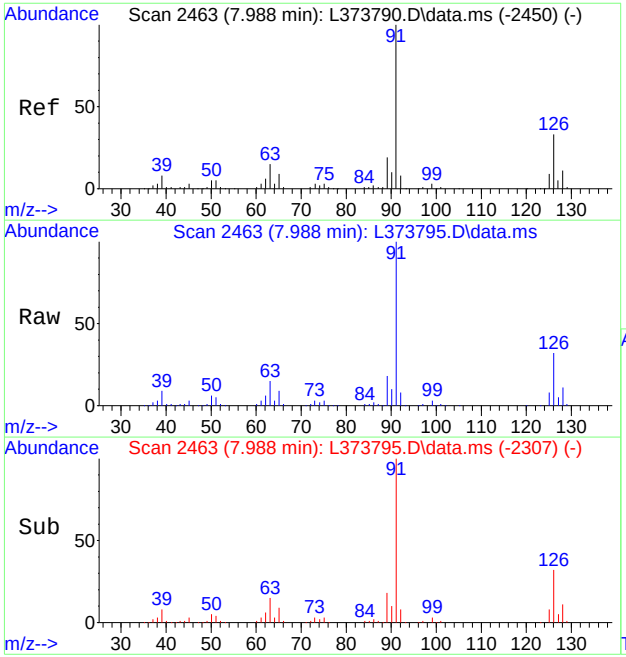


#102
n-propylbenzene
Concen: 49.73 ug/L
RT: 7.898 min Scan# 2435
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 91 Resp: 651581

Ion	Ratio	Lower	Upper
91	100		
120	21.7	0.0	51.5
105	3.6	0.0	33.7

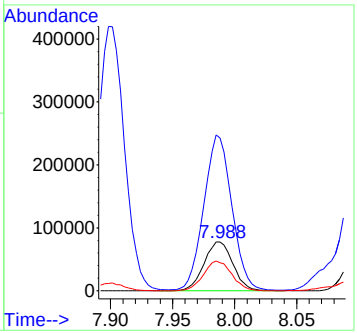


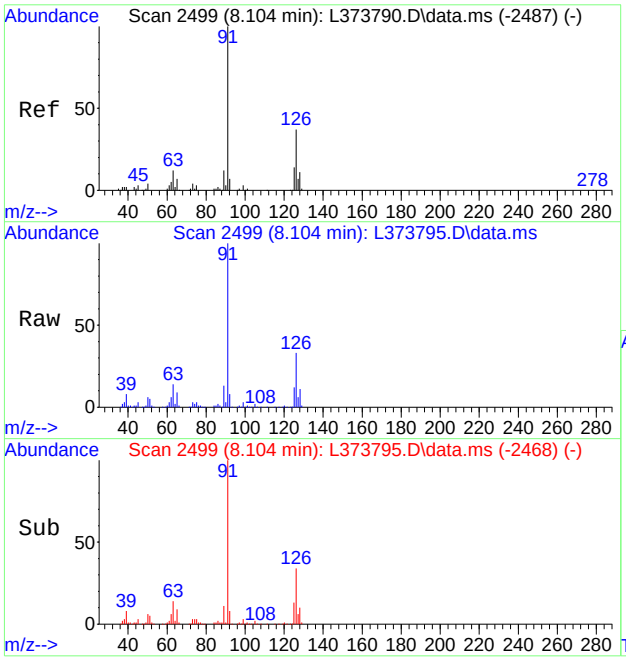


#103
2-chlorotoluene
Concen: 49.41 ug/L
RT: 7.988 min Scan# 2463
Delta R.T. 0.000 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion:126 Resp: 125638

Ion	Ratio	Lower	Upper
126	100		
91	311.9	276.4	336.4
89	57.8	28.8	88.8

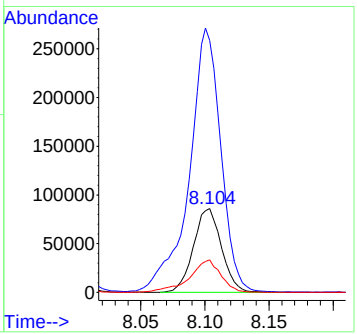


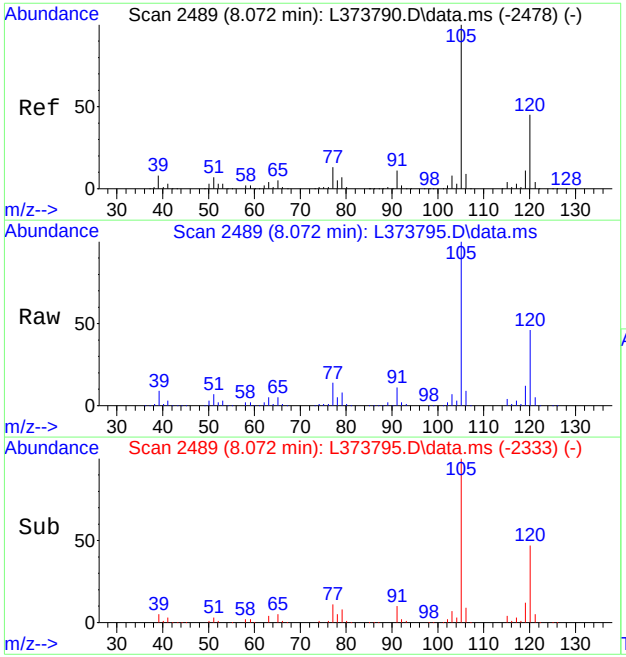


#104
4-chlorotoluene
Concen: 48.60 ug/L
RT: 8.104 min Scan# 2499
Delta R.T. -0.000 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion:126 Resp: 131066

Ion	Ratio	Lower	Upper
126	100		
91	299.7	265.5	325.5
89	38.7	5.5	65.5

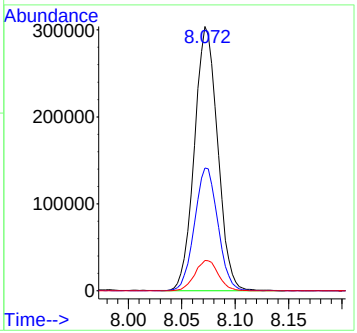


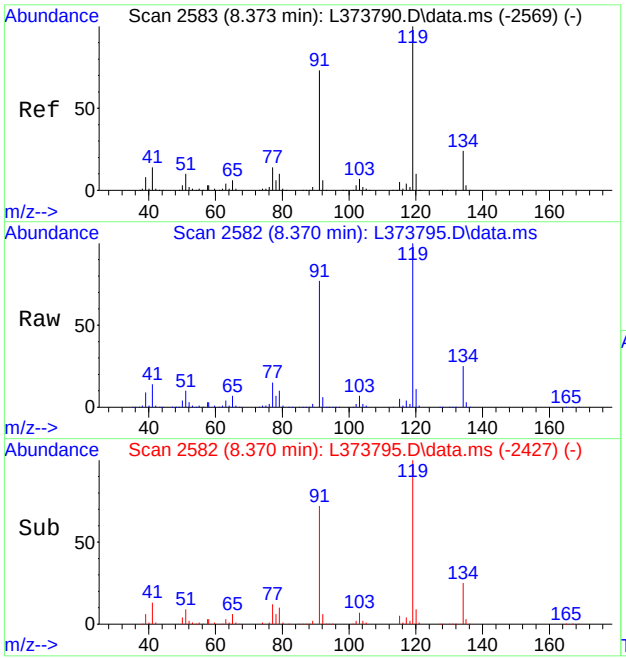


#105
1,3,5-trimethylbenzene
Concen: 50.63 ug/L
RT: 8.072 min Scan# 2489
Delta R.T. -0.000 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion:105 Resp: 461782

Ion	Ratio	Lower	Upper
105	100		
120	46.4	14.9	74.9
119	11.5	0.0	40.8

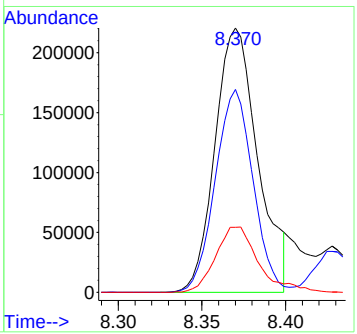


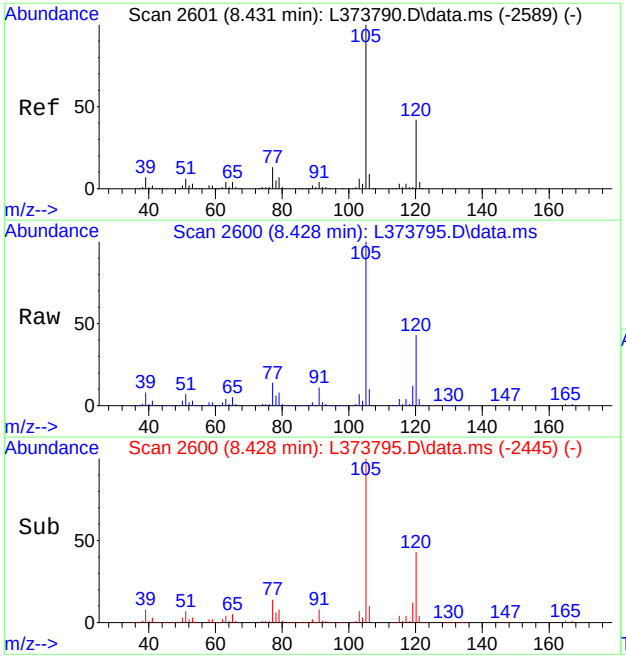


#106
tert-butylbenzene
Concen: 54.72 ug/L
RT: 8.370 min Scan# 2582
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion:119 Resp: 393699

Ion	Ratio	Lower	Upper
119	100		
91	76.8	42.9	102.9
134	24.6	0.0	54.4

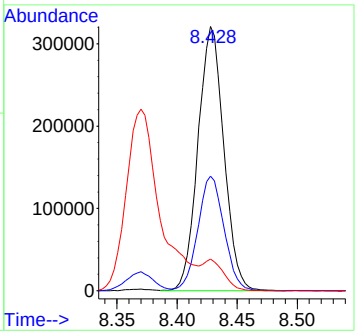


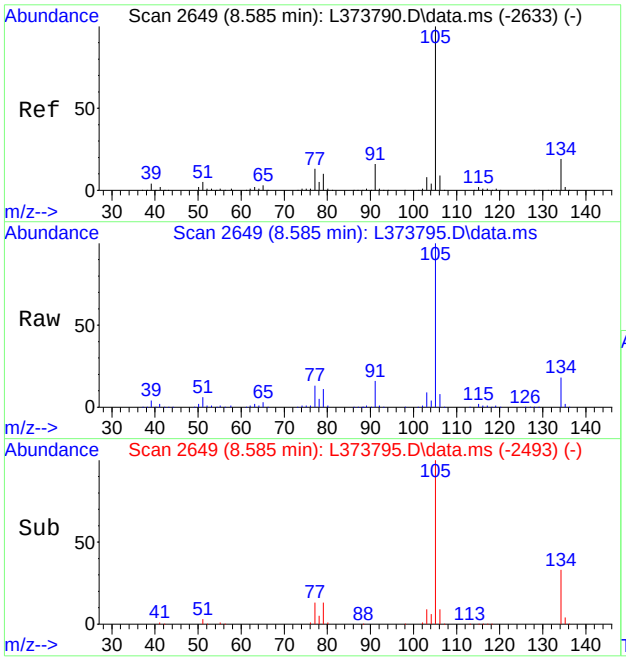


#107
1,2,4-trimethylbenzene
Concen: 52.14 ug/L
RT: 8.428 min Scan# 2600
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion:105 Resp: 480332

Ion	Ratio	Lower	Upper
105	100		
120	43.4	13.1	73.1
119	12.0	0.0	41.9

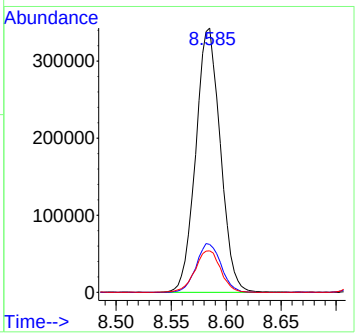


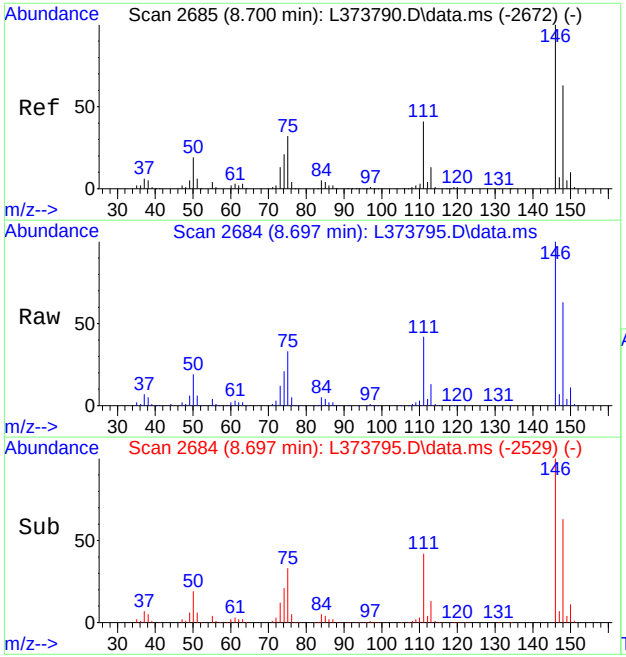


#108
sec-butylbenzene
Concen: 51.10 ug/L
RT: 8.585 min Scan# 2649
Delta R.T. 0.000 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion:105 Resp: 533666

Ion	Ratio	Lower	Upper
105	100		
134	18.2	0.0	48.8
91	15.6	0.0	45.9

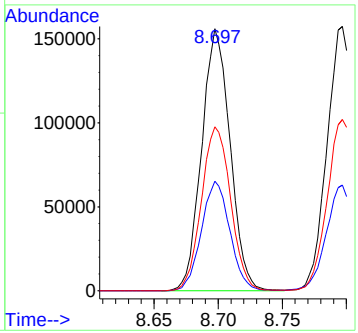


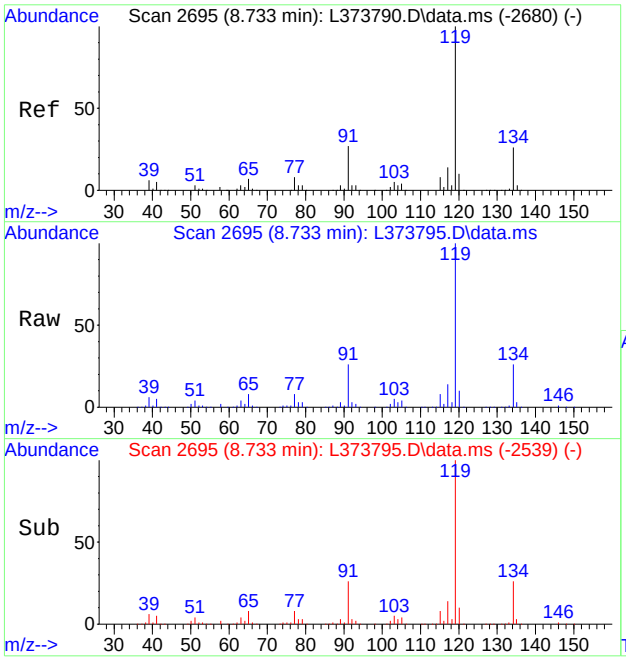


#109
1,3-dichlorobenzene
Concen: 48.03 ug/L
RT: 8.697 min Scan# 2684
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion:146 Resp: 240797

Ion	Ratio	Lower	Upper
146	100		
111	41.9	11.0	71.0
148	62.6	33.0	93.0

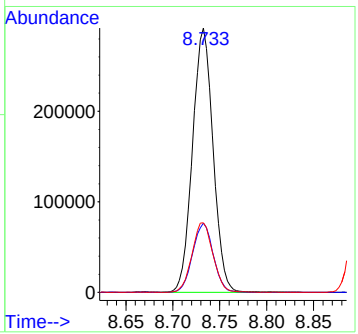


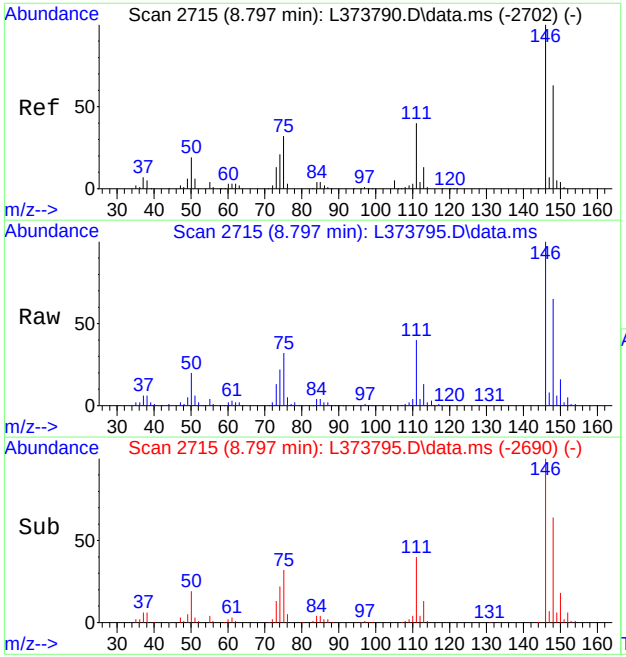


#110
p-isopropyltoluene
Concen: 51.52 ug/L
RT: 8.733 min Scan# 2695
Delta R.T. -0.000 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion:119 Resp: 444840

Ion	Ratio	Lower	Upper
119	100		
134	26.2	0.0	56.5
91	26.4	0.0	56.9

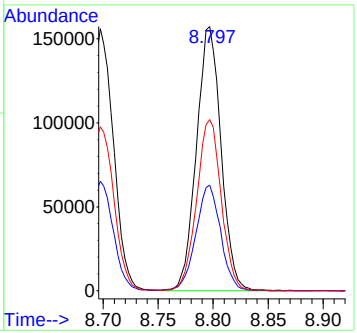


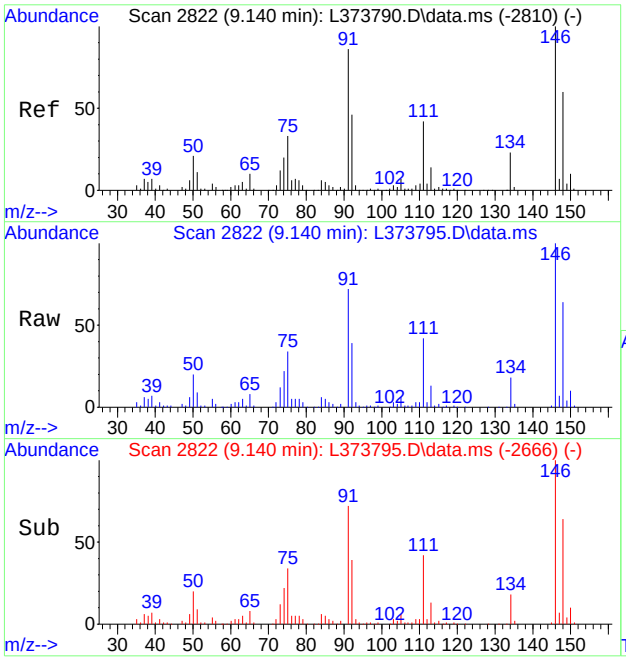


#111
1,4-dichlorobenzene
Concen: 47.25 ug/L
RT: 8.797 min Scan# 2715
Delta R.T. -0.000 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion:146 Resp: 244730

Ion	Ratio	Lower	Upper
146	100		
111	40.0	9.7	69.7
148	64.7	33.0	93.0

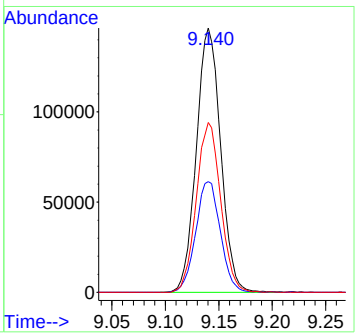


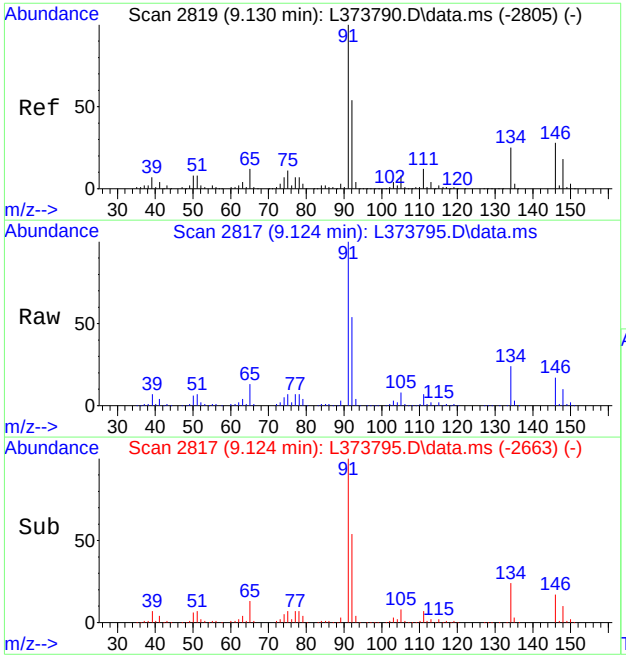


#113
1,2-dichlorobenzene
Concen: 48.19 ug/L
RT: 9.140 min Scan# 2822
Delta R.T. 0.000 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion:146 Resp: 232107

Ion	Ratio	Lower	Upper
146	100		
111	41.9	12.1	72.1
148	64.3	30.4	90.4

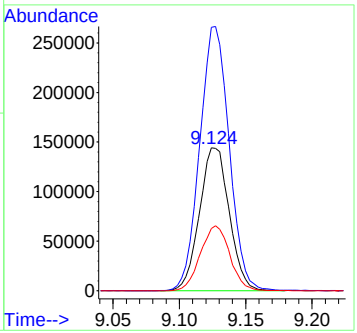


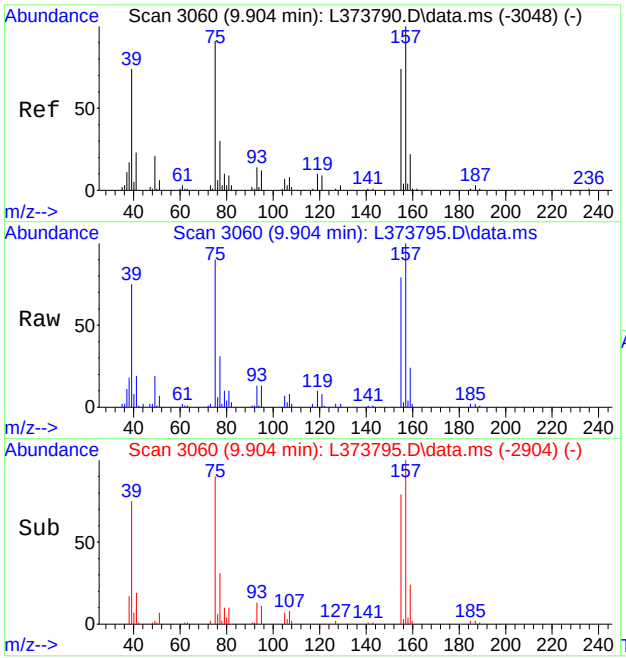


#114
n-butylbenzene
Concen: 52.33 ug/L
RT: 9.124 min Scan# 2817
Delta R.T. -0.006 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 92 Resp: 225087

Ion	Ratio	Lower	Upper
92	100		
91	184.0	155.4	215.4
134	43.5	15.6	75.6

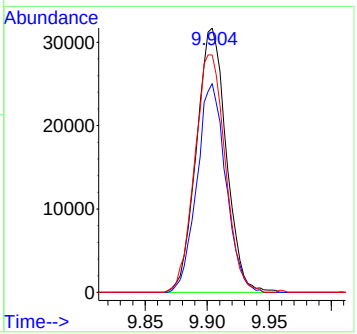


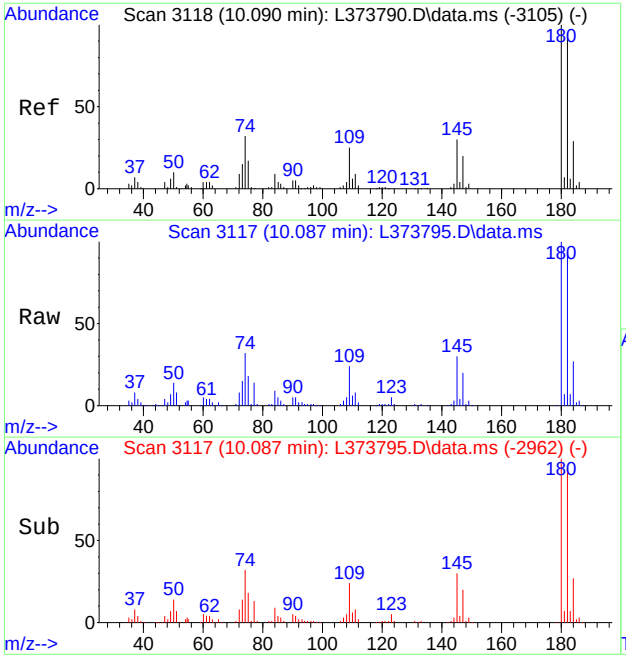


#115
1,2-dibromo-3-chloropropane
Concen: 47.87 ug/L
RT: 9.904 min Scan# 3060
Delta R.T. -0.000 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion:157 Resp: 52955

Ion	Ratio	Lower	Upper
157	100		
155	79.0	44.1	104.1
75	89.8	60.9	120.9

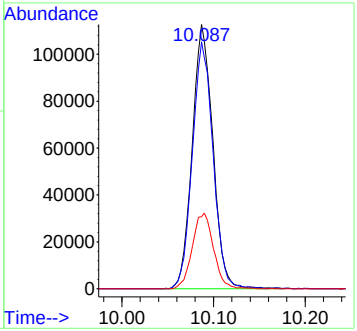


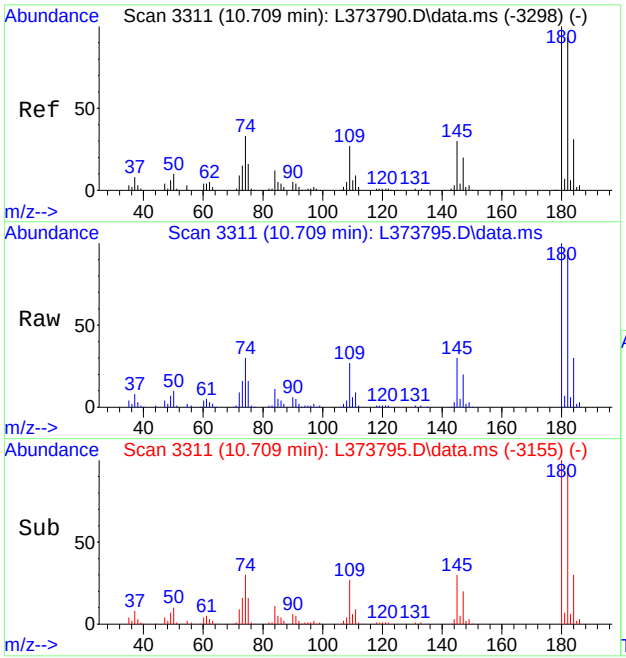


#116
1,3,5-trichlorobenzene
Concen: 56.80 ug/L
RT: 10.087 min Scan# 3117
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion:180 Resp: 176049

Ion	Ratio	Lower	Upper
180	100		
182	93.4	65.0	125.0
184	27.3	0.0	59.4

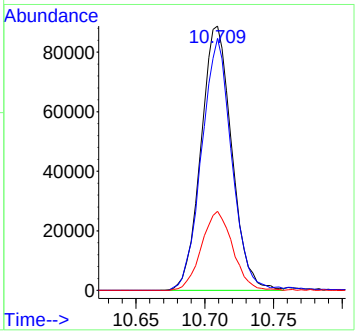


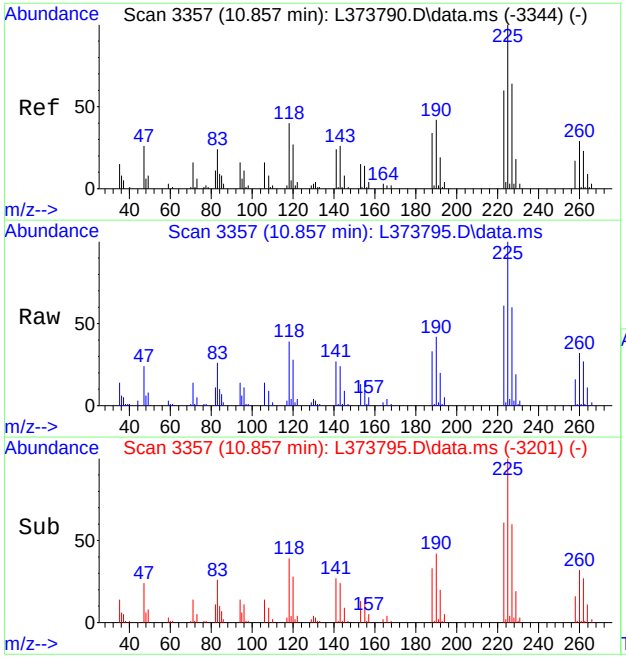


#117
1,2,4-trichlorobenzene
Concen: 50.68 ug/L
RT: 10.709 min Scan# 3311
Delta R.T. 0.000 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion:180 Resp: 138437

Ion	Ratio	Lower	Upper
180	100		
182	95.3	63.1	123.1
184	30.0	0.8	60.8

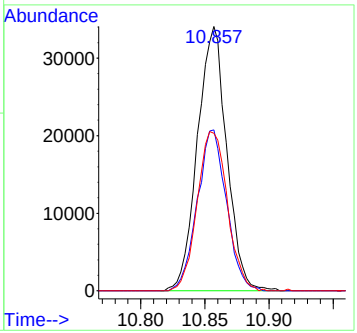


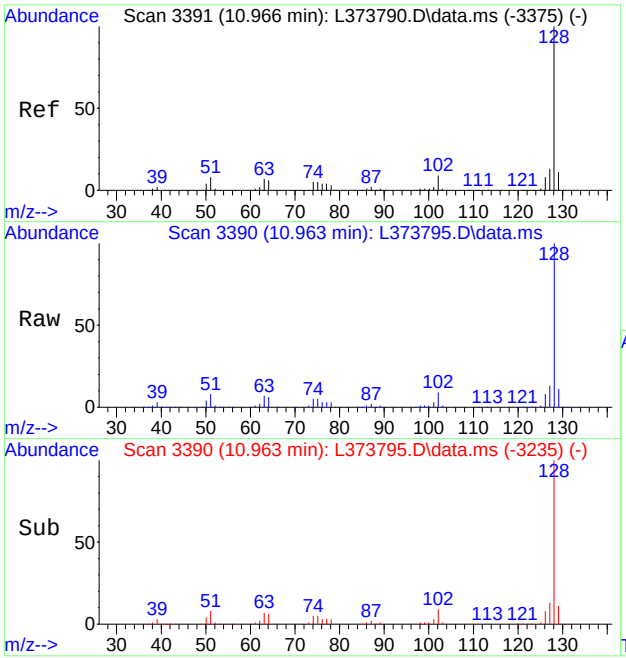


#118
hexachlorobutadiene
Concen: 52.82 ug/L
RT: 10.857 min Scan# 3357
Delta R.T. -0.000 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion:225 Resp: 54224

Ion	Ratio	Lower	Upper
225	100		
223	60.9	30.0	90.0
227	59.5	33.8	93.8

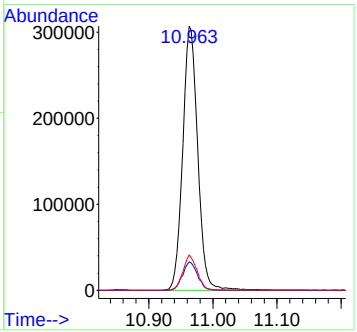


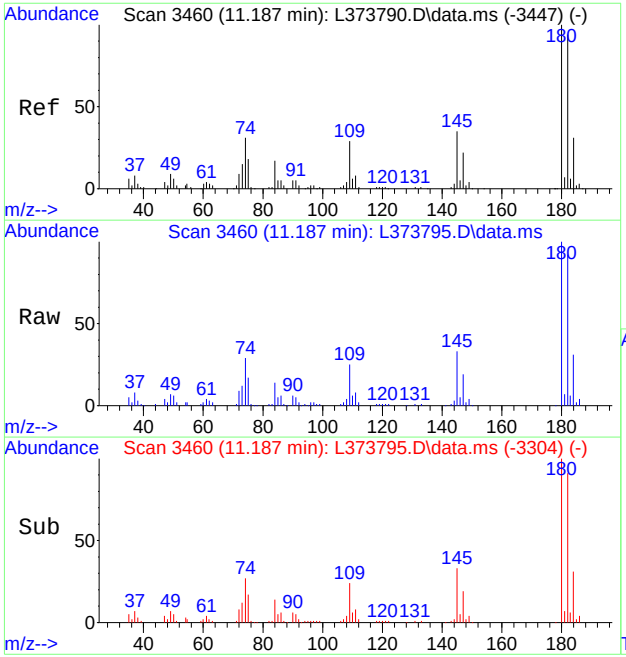


#119
naphthalene
Concen: 49.47 ug/L
RT: 10.963 min Scan# 3390
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion:128 Resp: 501054

Ion	Ratio	Lower	Upper
128	100		
129	10.9	0.0	41.1
127	13.4	0.0	42.9

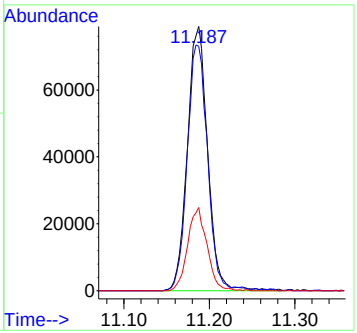


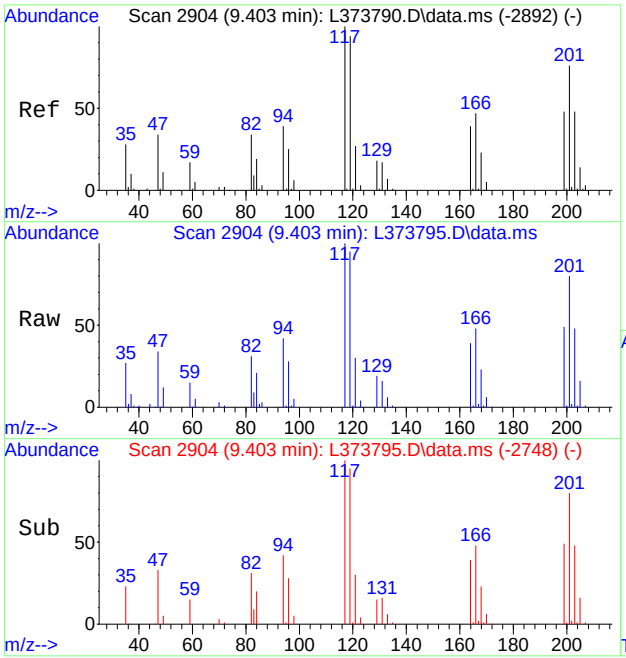


#120
1,2,3-trichlorobenzene
Concen: 50.01 ug/L
RT: 11.187 min Scan# 3460
Delta R.T. 0.000 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion:180 Resp: 130202

Ion	Ratio	Lower	Upper
180	100		
182	92.4	63.9	123.9
184	31.5	1.2	61.2

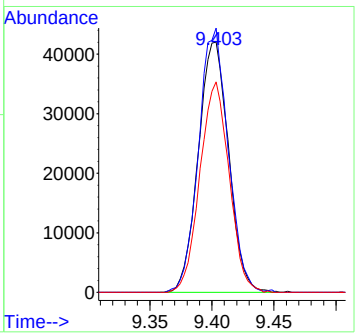


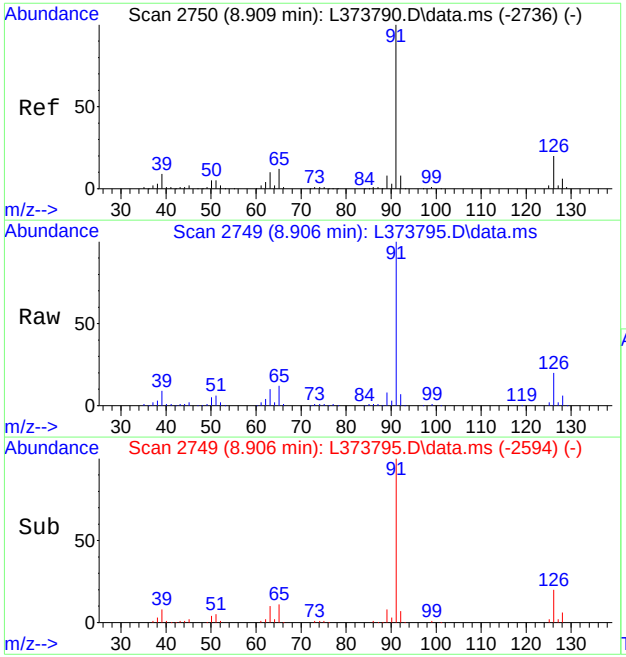


#121
hexachloroethane
Concen: 54.30 ug/L
RT: 9.403 min Scan# 2904
Delta R.T. 0.000 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion:119 Resp: 71512

Ion	Ratio	Lower	Upper
119	100		
117	105.6	76.2	136.2
201	84.1	51.2	111.2

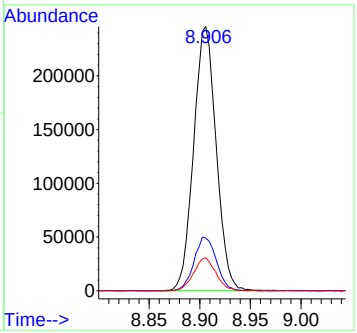


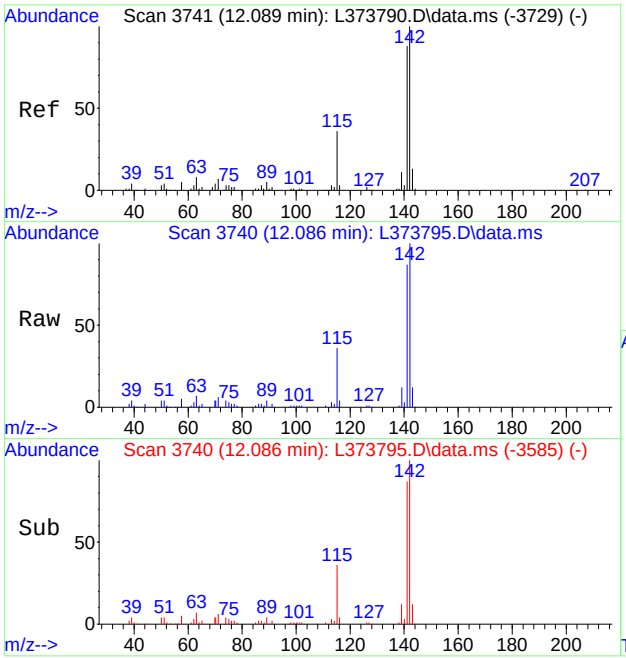


#122
benzyl chloride
Concen: 47.64 ug/L
RT: 8.906 min Scan# 2749
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 91 Resp: 381777

Ion	Ratio	Lower	Upper
91	100		
126	20.0	0.0	49.8
65	12.5	0.0	41.8

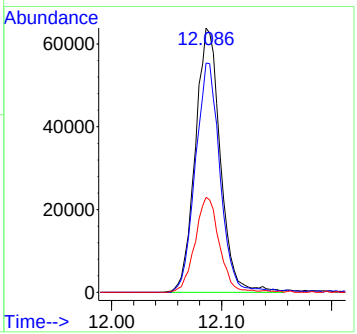




#123
2-methylnaphthalene
Concen: 25.89 ug/L
RT: 12.086 min Scan# 3740
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion:142 Resp: 101154

Ion	Ratio	Lower	Upper
142	100		
141	86.7	68.0	108.0
115	35.9	15.9	55.9



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373796.D
Acq On : 16 Oct 2025 11:28 pm
Operator : BridgetK
Sample : icv11472-50
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 17 10:49:00 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 10:28:42 2025
Response via : Initial Calibration

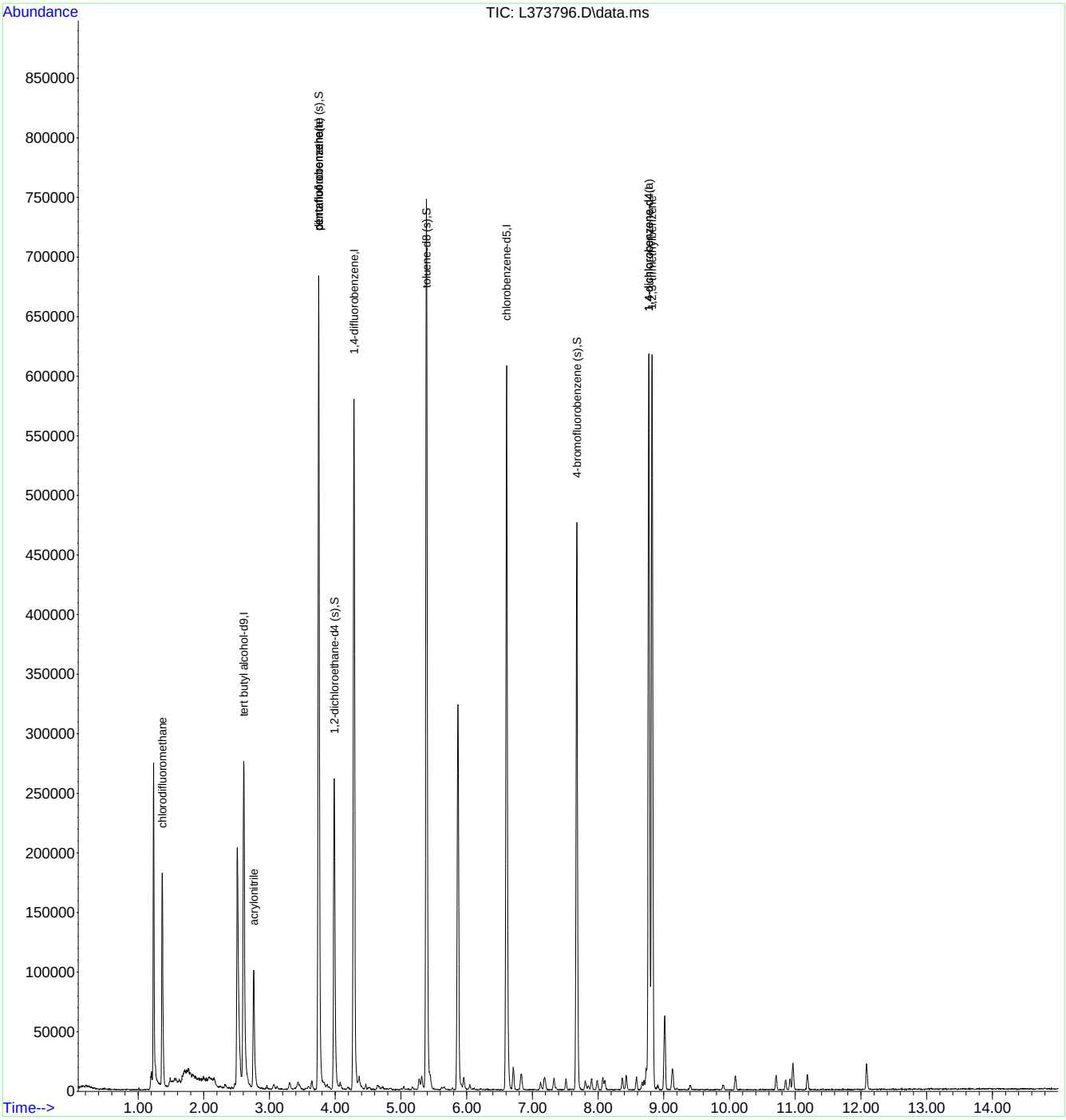
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	2.607	65	267065	500.00	ug/L	0.00
5) pentafluorobenzene	3.749	168	230409	50.00	ug/L	0.00
51) 1,4-difluorobenzene	4.285	114	386151	50.00	ug/L	0.00
72) chlorobenzene-d5	6.608	117	307860	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	8.771	152	149386	50.00	ug/L	0.00
124) pentafluorobenzene(a)	3.749	168	230409	50.00	ug/L	0.00
131) 1,4-dichlorobenzene-d4(a)	8.771	152	149386	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	3.749	113	122637	50.99	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.98%			
52) 1,2-dichloroethane-d4 (s)	3.987	65	140705	50.09	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 100.18%			
73) toluene-d8 (s)	5.389	98	445574	49.90	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.80%			
97) 4-bromofluorobenzene (s)	7.677	95	156995	48.98	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.96%			
Target Compounds						Qvalue
6) chlorodifluoromethane	1.368	51	152841	45.2479	ug/L	99
33) acrylonitrile	2.761	53	57353	44.5759	ug/L	99
112) 1,2,3-trimethylbenzene	8.822	105	344533	36.2002	ug/L	96

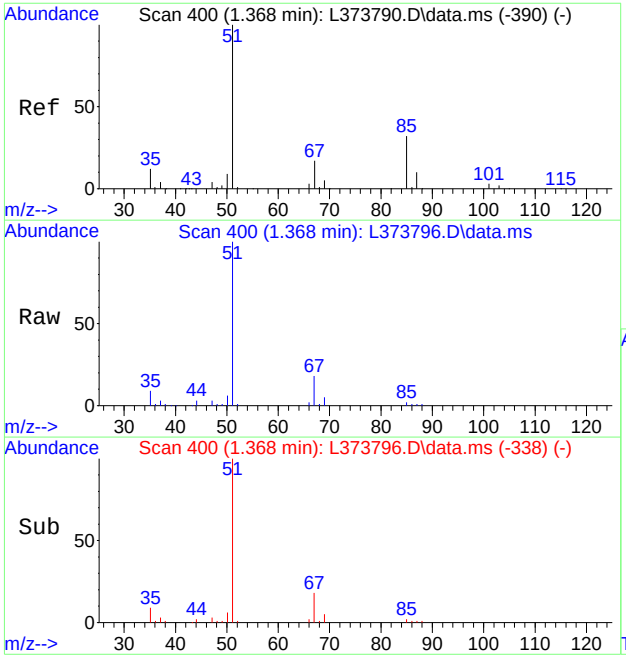
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373796.D
Acq On : 16 Oct 2025 11:28 pm
Operator : BridgetK
Sample : icv11472-50
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 17 10:49:00 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 10:28:42 2025
Response via : Initial Calibration

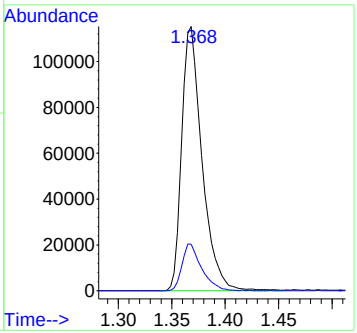


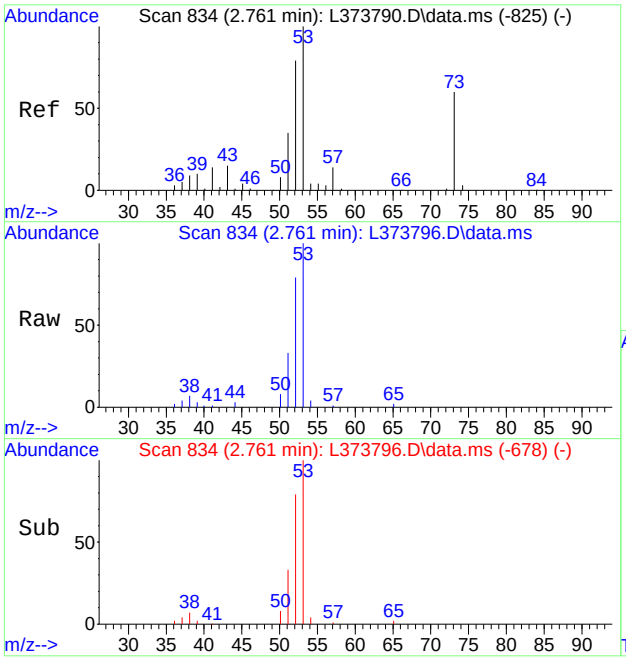


#6
chlorodifluoromethane
Concen: 45.25 ug/L
RT: 1.368 min Scan# 400
Delta R.T. 0.000 min
Lab File: L373796.D
Acq: 16 Oct 2025 11:28 pm

Tgt Ion: 51 Resp: 152841

Ion	Ratio	Lower	Upper
51	100		
67	17.6	0.0	37.0

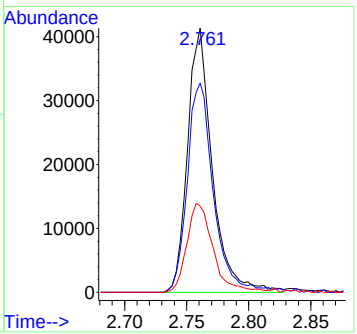


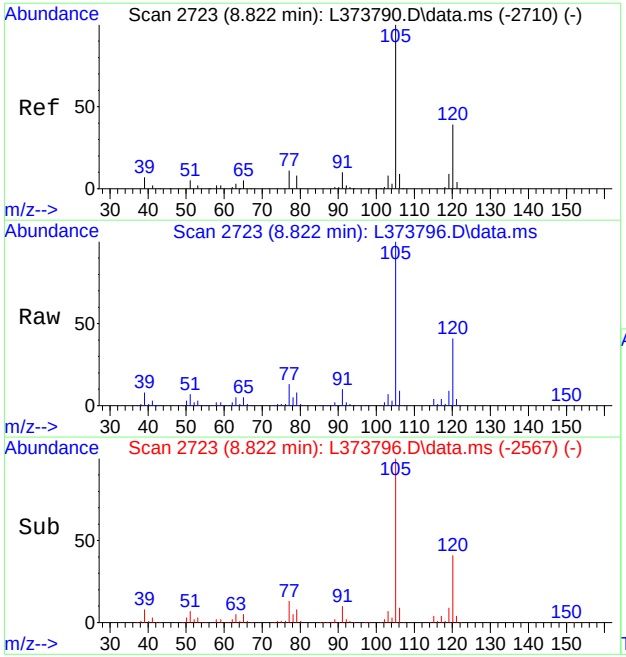


#33
acrylonitrile
Concen: 44.58 ug/L
RT: 2.761 min Scan# 834
Delta R.T. -0.000 min
Lab File: L373796.D
Acq: 16 Oct 2025 11:28 pm

Tgt Ion: 53 Resp: 57353

Ion	Ratio	Lower	Upper
53	100		
52	79.1	48.8	108.8
51	32.7	4.6	64.6

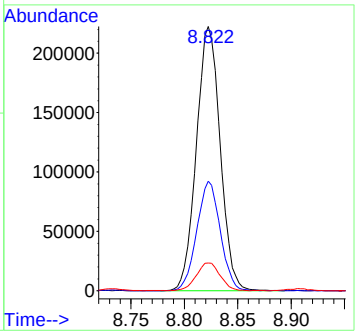




#112
1,2,3-trimethylbenzene
Concen: 36.20 ug/L
RT: 8.822 min Scan# 2723
Delta R.T. 0.000 min
Lab File: L373796.D
Acq: 16 Oct 2025 11:28 pm

Tgt Ion:105 Resp: 344533

Ion	Ratio	Lower	Upper
105	100		
120	41.4	8.8	68.8
91	10.4	0.0	40.2



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\michaellab\10-23-2025\VL11478\
Data File : L373952.d
Acq On : 22 Oct 2025 11:34 pm
Operator : BridgetK
Sample : cc11472-50 Inst : GCMSL
Misc : MS98394,VL11478,5,,,,1
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Oct 23 08:11:52 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 13:39:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	2.607	65	217585	500.00	ug/L	0.00
5) pentafluorobenzene	3.746	168	200171	50.00	ug/L	0.00
51) 1,4-difluorobenzene	4.285	114	340230	50.00	ug/L	0.00
72) chlorobenzene-d5	6.608	117	257389	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	8.774	152	129563	50.00	ug/L	0.00
124) pentafluorobenzene(a)	3.746	168	200171	50.00	ug/L	0.00
131) 1,4-dichlorobenzene-d4(a)	8.774	152	129563	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	3.749	113	100870	48.27	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 96.54%			
52) 1,2-dichloroethane-d4 (s)	3.983	65	117345	47.41	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 94.82%			
73) toluene-d8 (s)	5.389	98	382776	51.28	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 102.56%			
97) 4-bromofluorobenzene (s)	7.674	95	131384	47.26	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 94.52%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.702	88	79631	1326.6238	ug/L	95
3) ethanol	2.087	45	254275	5703.2218	ug/L	100
4) tertiary butyl alcohol	2.658	59	162206	241.0938	ug/L	95
6) chlorodifluoromethane	1.368	51	157358	53.6223	ug/L	96
7) dichlorodifluoromethane	1.352	85	155410	52.4178	ug/L	100
8) chloromethane	1.484	50	123995	43.5751	ug/L	97
9) vinyl chloride	1.554	62	136060	48.3172	ug/L	99
10) 1,3-butadiene	1.580	54	152626	58.5849	ug/L	98
11) bromomethane	1.766	96	27861	39.7886	ug/L	99
12) chloroethane	1.837	64	55656	47.1151	ug/L	95
13) trichlorofluoromethane	1.997	101	202107	56.4438	ug/L	99
14) ethyl ether	2.161	74	61816	51.8335	ug/L	91
15) acrolein	2.251	56	25234	49.3813	ug/L	99
16) freon 113	2.318	151	87200	57.7940	ug/L	95
17) 1,1-dichloroethene	2.321	96	103618	54.9516	ug/L	95
18) acetone	2.337	58	71652	193.0985	ug/L	100
19) acetonitrile	2.511	40	136846	470.6418	ug/L	98
20) iodomethane	2.421	142	50341	34.5445	ug/L	99
21) iso-butyl alcohol	3.897	43	116955	463.5738	ug/L	97
22) carbon disulfide	2.472	76	309910	52.2524	ug/L	100
23) methylene chloride	2.623	84	116629	50.1163	ug/L	99
24) methyl acetate	2.523	74	30234	51.5775	ug/L #	85
25) methyl tert butyl ether	2.777	73	344247	55.1863	ug/L	97
26) trans-1,2-dichloroethene	2.790	96	114590	53.4461	ug/L	98
27) hexane	2.957	57	151176	57.0800	ug/L	97
28) di-isopropyl ether	3.066	45	333709	51.1074	ug/L	96
29) ethyl tert-butyl ether	3.297	59	353639	52.7284	ug/L	97
30) 2-butanone	3.409	72	98557	211.1456	ug/L	96
31) 1,1-dichloroethane	3.066	63	210111	51.8792	ug/L	97
32) chloroprene	3.114	53	192253	55.1753	ug/L	98
33) acrylonitrile	2.758	53	56971	50.9678	ug/L	94
34) vinyl acetate	3.046	86	29005	54.7312	ug/L	97
35) ethyl acetate	3.422	45	26170	45.3197	ug/L #	77
36) 2,2-dichloropropane	3.438	77	182903	50.1251	ug/L	99
37) cis-1,2-dichloroethene	3.432	96	123881	52.5865	ug/L	97
38) propionitrile	3.454	54	300762	472.9534	ug/L	97
39) methyl acrylate	3.460	85	26906	54.1198	ug/L	96
40) bromochloromethane	3.586	128	55502	53.5002	ug/L	91

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\michaellab\10-23-2025\VL11478\
Data File : L373952.d
Acq On : 22 Oct 2025 11:34 pm
Operator : BridgetK
Sample : cc11472-50 Inst : GCMSL
Misc : MS98394,VL11478,5,,,,1
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Oct 23 08:11:52 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 13:39:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) tetrahydrofuran	3.598	72	29571	50.8383	ug/L		88
42) chloroform	3.643	83	218455	48.6063	ug/L		95
44) methacrylonitrile	3.550	67	69508	51.2514	ug/L		93
45) 1,1,1-trichloroethane	3.768	97	195282	54.8736	ug/L		97
46) cyclohexane	3.823	84	162345	54.8985	ug/L		99
47) 1,1-dichloropropene	3.871	75	165384	57.3049	ug/L		97
48) carbon tetrachloride	3.874	117	158569	54.6622	ug/L		98
49) isopropyl acetate	4.003	87	33471	51.9900	ug/L		94
50) tert amyl alcohol	3.977	55	52459	208.1427	ug/L		91
53) tert-amyl methyl ether	4.077	73	349377	52.7578	ug/L		98
54) 2,2,4-trimethylpentane	4.077	57	274711	55.7384	ug/L		98
55) n-butyl alcohol	4.356	56	419546	2155.6034	ug/L		99
56) benzene	4.012	78	460194	51.9822	ug/L		99
57) heptane	4.189	57	55938	53.5380	ug/L		98
58) 1,2-dichloroethane	4.038	62	172477	51.1811	ug/L		99
59) trichloroethene	4.465	95	124181	55.7143	ug/L		96
60) ethyl acrylate	4.497	55	191247	47.9433	ug/L		99
61) 2-nitropropane	5.004	41	55598	46.9726	ug/L		91
62) 2-chloroethyl vinyl ether	5.039	63	176259	229.9689	ug/L		99
63) methyl methacrylate	4.667	100	38828	52.5509	ug/L		95
64) 1,2-dichloropropane	4.654	63	117591	52.0366	ug/L		98
65) methylcyclohexane	4.645	83	180017	58.9169	ug/L		100
66) dibromomethane	4.722	93	79951	51.3529	ug/L		95
67) bromodichloromethane	4.843	83	162627	50.4281	ug/L		99
68) cis-1,3-dichloropropene	5.174	75	182835	50.5764	ug/L		98
69) epichlorohydrin	5.087	57	108085	234.5441	ug/L		99
70) 4-methyl-2-pentanone	5.280	58	263153	185.2287	ug/L		98
71) 3-methyl-1-butanol	5.312	70	159503	877.0951	ug/L		95
74) toluene	5.447	92	279097	52.8270	ug/L		100
75) trans-1,3-dichloropropene	5.623	75	173766	52.7514	ug/L		99
76) ethyl methacrylate	5.652	69	163874	49.2366	ug/L		98
77) 1,1,2-trichloroethane	5.784	83	94321	53.8471	ug/L		94
78) 2-hexanone	5.954	58	280869	187.0743	ug/L		98
79) tetrachloroethene	5.867	166	119421	56.2745	ug/L		99
80) 1,3-dichloropropane	5.925	76	182102	53.9433	ug/L		99
81) butyl acetate	6.044	56	93485	47.2534	ug/L		94
82) dibromochloromethane	6.105	129	116133	51.4036	ug/L		95
83) 1,2-dibromoethane	6.210	107	114801	53.9435	ug/L		95
84) n-butyl ether	6.708	57	447521	50.3203	ug/L		97
85) chlorobenzene	6.634	112	284665	51.3167	ug/L		99
86) 1,1,1,2-tetrachloroethane	6.708	131	103630	55.2050	ug/L		97
87) ethylbenzene	6.714	91	518456	53.5696	ug/L		98
88) m,p-xylene	6.833	106	396480	106.3727	ug/L		98
89) o-xylene	7.176	106	192271	52.7558	ug/L		97
90) butyl acrylate	7.122	55	248873	46.6839	ug/L		98
91) styrene	7.192	104	326694	53.4603	ug/L		99
92) bromoform	7.362	173	78798	49.0769	ug/L		100
93) n-amyl acetate	7.327	70	96334	48.2860	ug/L		98
94) isopropylbenzene	7.510	105	479961	54.5622	ug/L		99
95) cis-1,4-dichloro-2-butene	7.568	88	23458	31.3253	ug/L		96
98) bromobenzene	7.809	156	115901	50.4068	ug/L		98
99) 1,1,2,2-tetrachloroethane	7.802	83	162030	46.5167	ug/L		99
100) trans-1,4-dichloro-2-b...	7.834	53	20958	30.0160	ug/L	#	82
101) 1,2,3-trichloropropane	7.853	110	49264	47.3278	ug/L		96
102) n-propylbenzene	7.902	91	580790	52.2640	ug/L		100
103) 2-chlorotoluene	7.988	126	110355	51.1736	ug/L		97
104) 4-chlorotoluene	8.104	126	114846	50.2108	ug/L		92
105) 1,3,5-trimethylbenzene	8.075	105	408922	52.8655	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\michaellab\10-23-2025\VL11478\
Data File : L373952.d
Acq On : 22 Oct 2025 11:34 pm
Operator : BridgetK
Sample : cc11472-50 Inst : GCMSL
Misc : MS98394,VL11478,5,,,,1
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Oct 23 08:11:52 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 13:39:16 2025
Response via : Initial Calibration

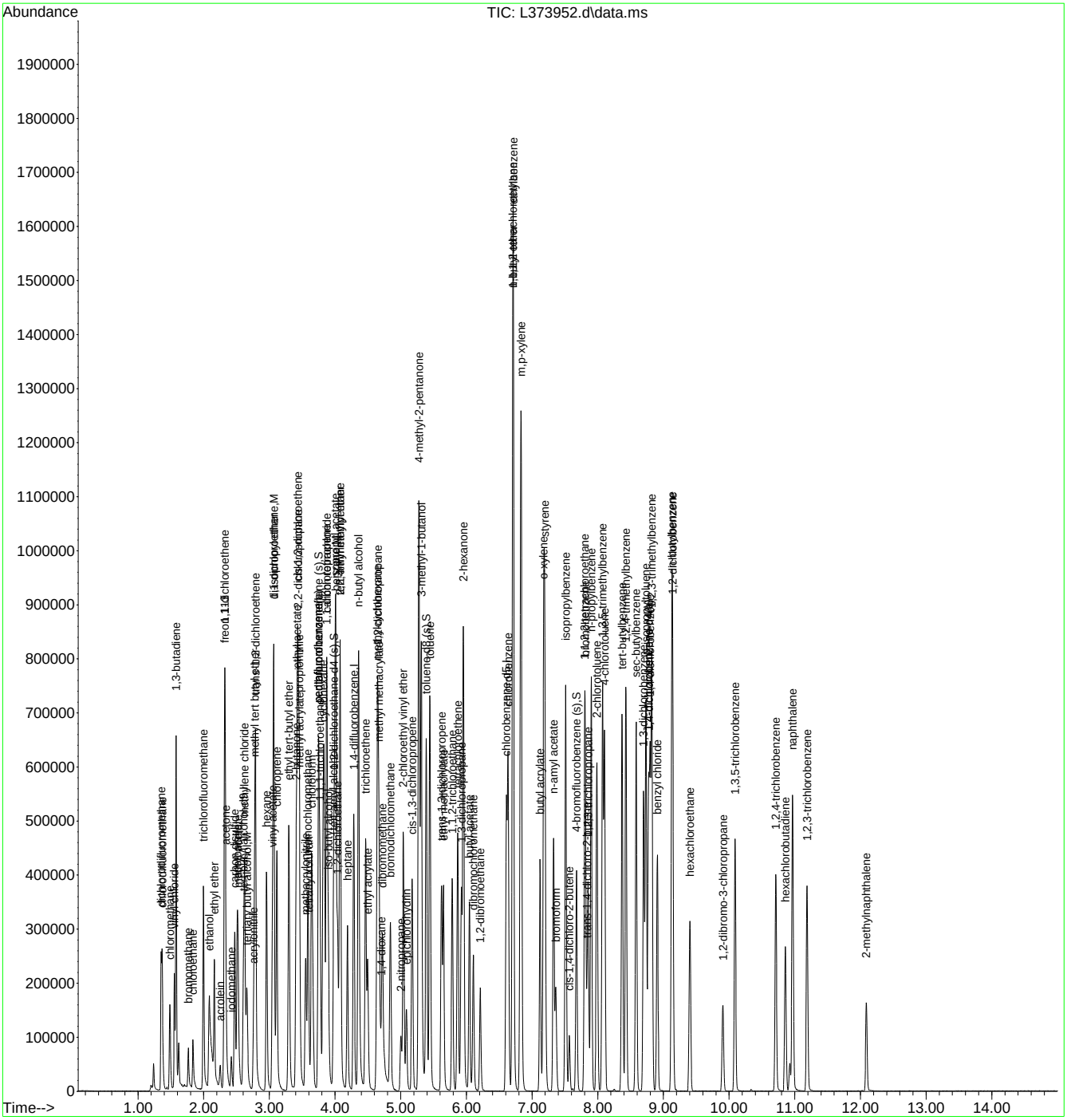
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
106) tert-butylbenzene	8.370	119	315555	51.7166	ug/L	99
107) 1,2,4-trimethylbenzene	8.428	105	410740	52.5673	ug/L	98
108) sec-butylbenzene	8.585	105	472565	53.3502	ug/L	97
109) 1,3-dichlorobenzene	8.697	146	214565	50.4595	ug/L	98
110) p-isopropyltoluene	8.733	119	394023	53.8065	ug/L	97
111) 1,4-dichlorobenzene	8.797	146	222729	50.7034	ug/L	100
112) 1,2,3-trimethylbenzene	8.823	105	424455	51.4210	ug/L	96
113) 1,2-dichlorobenzene	9.140	146	209659	51.3270	ug/L	98
114) n-butylbenzene	9.127	92	196949	53.9848	ug/L	99
115) 1,2-dibromo-3-chloropr...	9.907	157	42412	45.2040	ug/L	95
116) 1,3,5-trichlorobenzene	10.090	180	138798	52.7984	ug/L	99
117) 1,2,4-trichlorobenzene	10.709	180	121582	52.4759	ug/L	96
118) hexachlorobutadiene	10.857	225	49238	56.5522	ug/L	96
119) naphthalene	10.966	128	432256	50.3238	ug/L	99
120) 1,2,3-trichlorobenzene	11.187	180	112302	50.8646	ug/L	97
121) hexachloroethane	9.403	119	53579	47.9711	ug/L	95
122) benzyl chloride	8.906	91	305098	44.8938	ug/L	98
123) 2-methylnaphthalene	12.089	142	80036	24.1520	ug/L	94

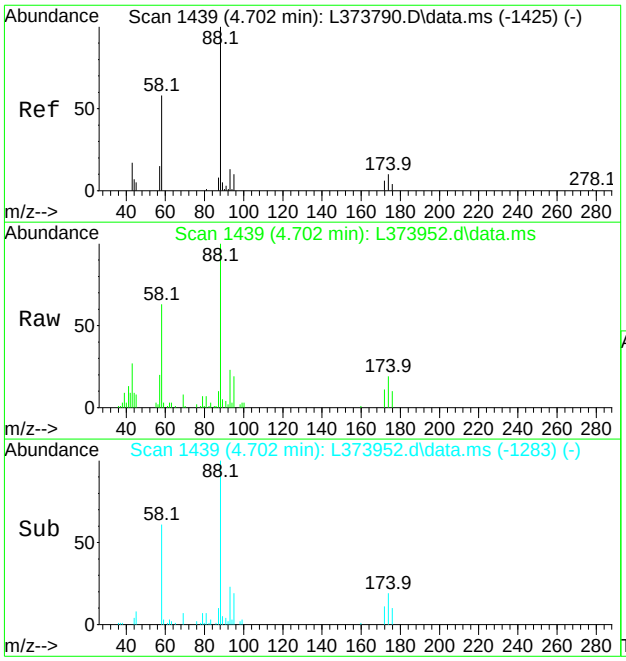
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\michaellab\10-23-2025\VL11478\
Data File : L373952.d
Acq On : 22 Oct 2025 11:34 pm
Operator : BridgetK
Sample : cc11472-50 Inst : GCMSL
Misc : MS98394,VL11478,5,,,,1
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Oct 23 08:11:52 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 13:39:16 2025
Response via : Initial Calibration

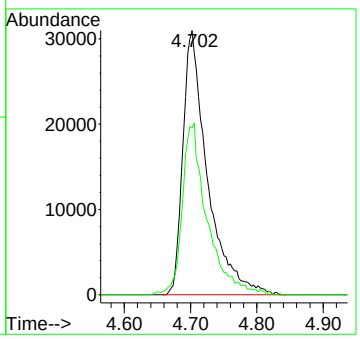


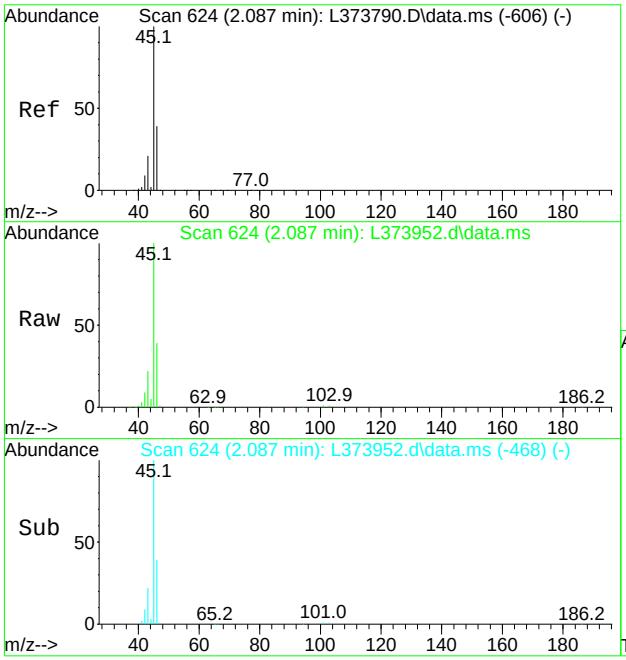


#2
1,4-dioxane
Concen: 1326.6238 ug/L
RT: 4.702 min Scan# 1439
Delta R.T. 0.000 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 88 Resp: 79631

Ion	Ratio	Lower	Upper
88	100		
58	63.1	29.1	89.1

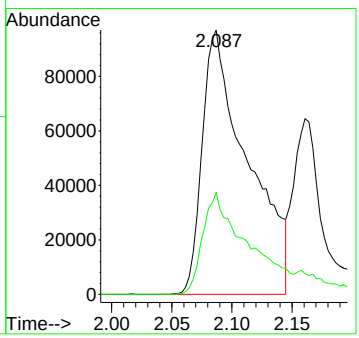


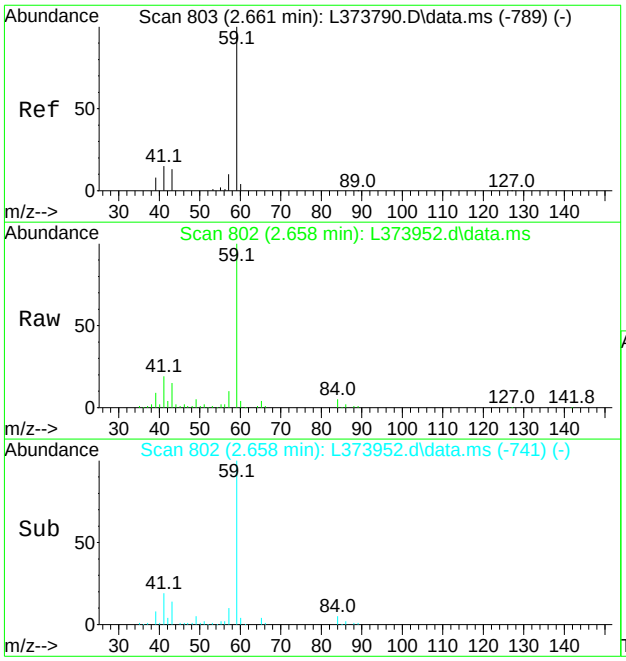


#3
ethanol
Concen: 5703.2218 ug/L
RT: 2.087 min Scan# 624
Delta R.T. 0.000 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 45 Resp: 254275

Ion	Ratio	Lower	Upper
45	100		
46	38.6	18.6	58.6

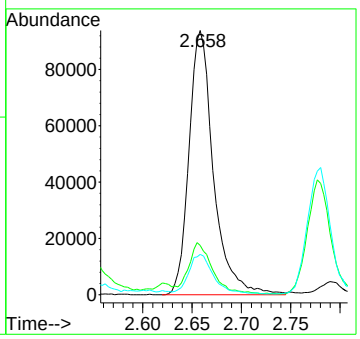


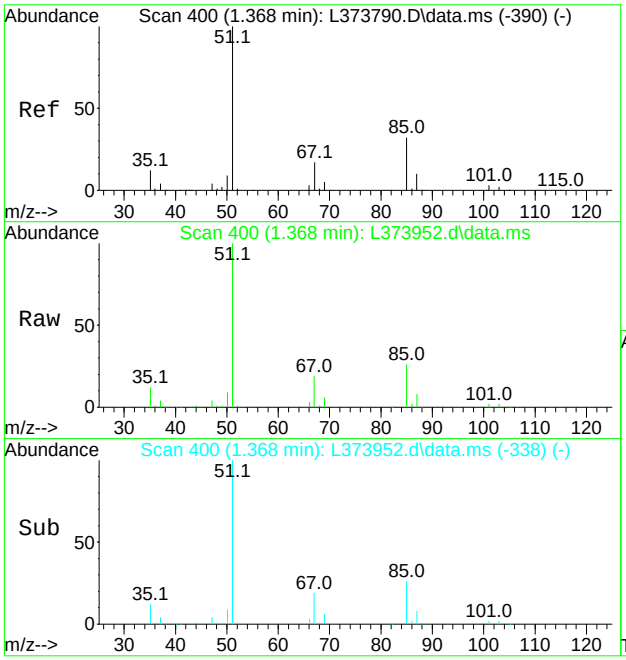


#4
tertiary butyl alcohol
Concen: 241.0938 ug/L
RT: 2.658 min Scan# 802
Delta R.T. -0.003 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 59 Resp: 162206

Ion	Ratio	Lower	Upper
59	100		
41	18.2	0.0	45.3
43	14.6	0.0	43.5

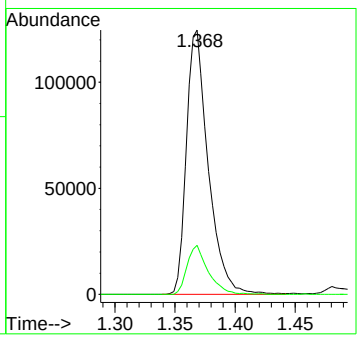


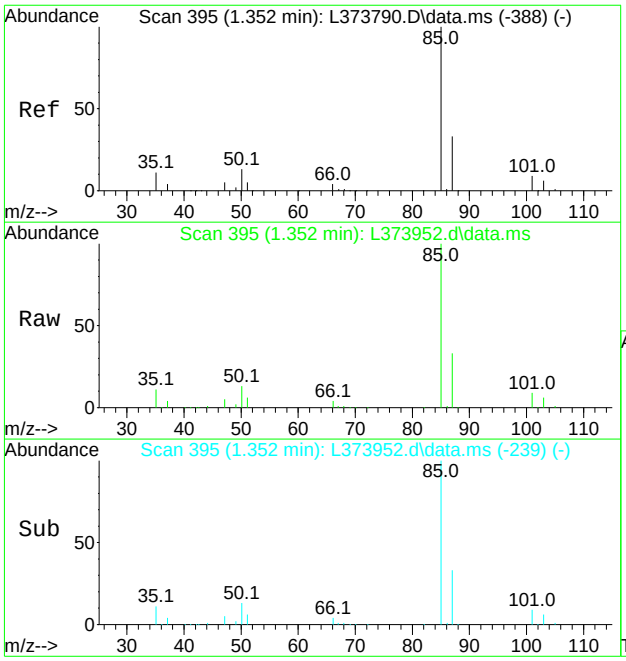


#6
chlorodifluoromethane
Concen: 53.6223 ug/L
RT: 1.368 min Scan# 400
Delta R.T. 0.000 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 51 Resp: 157358

Ion	Ratio	Lower	Upper
51	100		
67	18.6	0.0	37.0

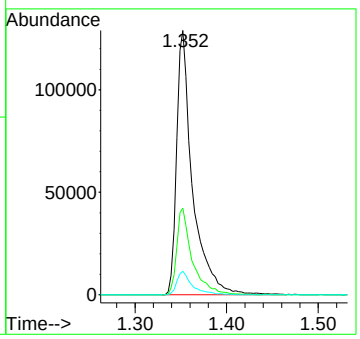


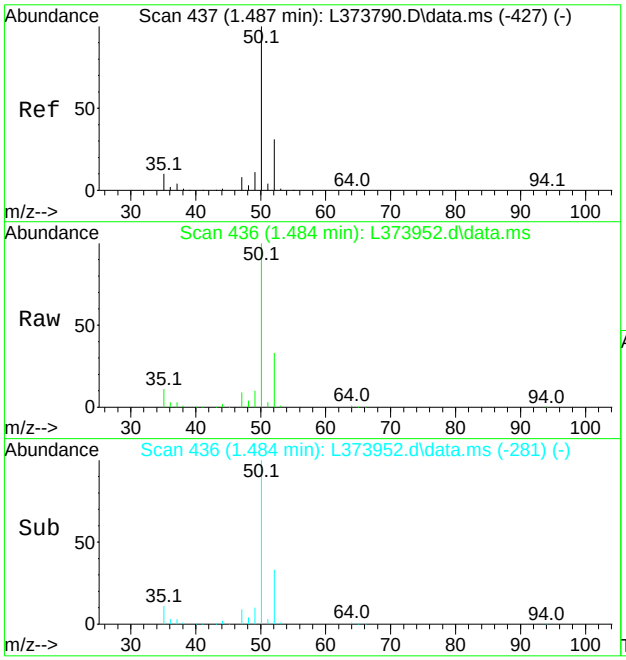


#7
dichlorodifluoromethane
Concen: 52.4178 ug/L
RT: 1.352 min Scan# 395
Delta R.T. 0.000 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 85 Resp: 155410

Ion	Ratio	Lower	Upper
85	100		
87	32.8	2.8	62.8
101	8.9	0.0	38.9

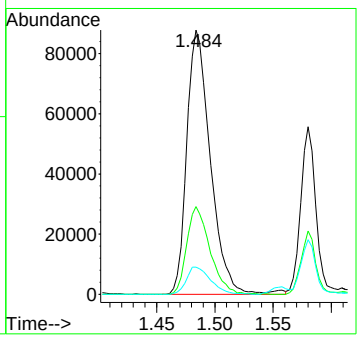


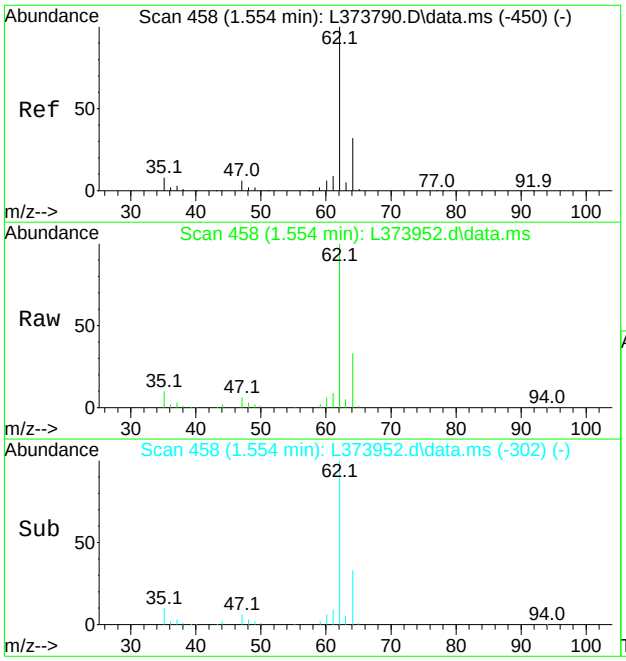


#8
chloromethane
Concen: 43.5751 ug/L
RT: 1.484 min Scan# 436
Delta R.T. -0.003 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 50 Resp: 123995

Ion	Ratio	Lower	Upper
50	100		
52	33.1	1.5	61.5
49	10.3	0.0	41.1

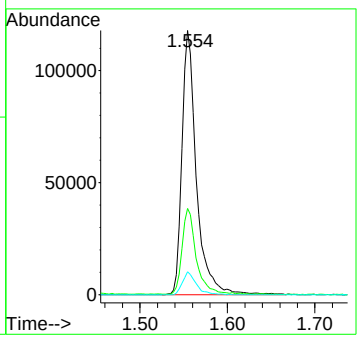


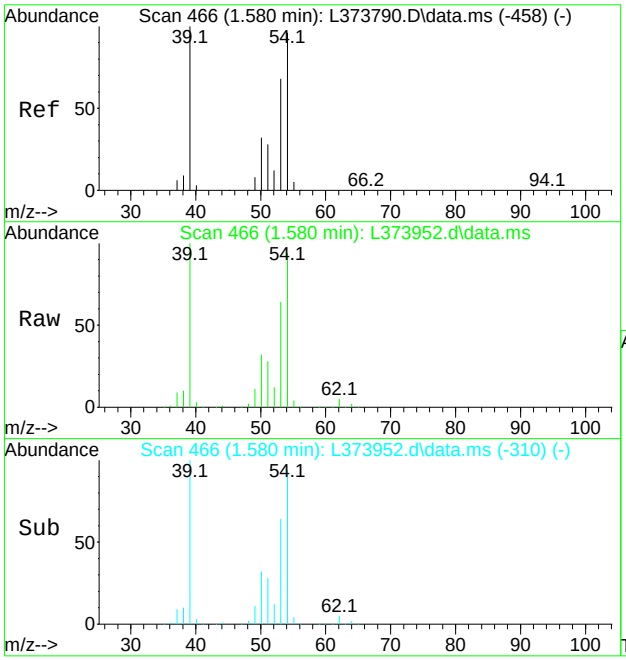


#9
vinyl chloride
Concen: 48.3172 ug/L
RT: 1.554 min Scan# 458
Delta R.T. 0.000 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 62 Resp: 136060

Ion	Ratio	Lower	Upper
62	100		
64	32.5	2.2	62.2
61	8.8	0.0	38.5

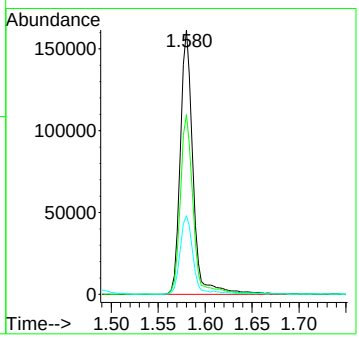


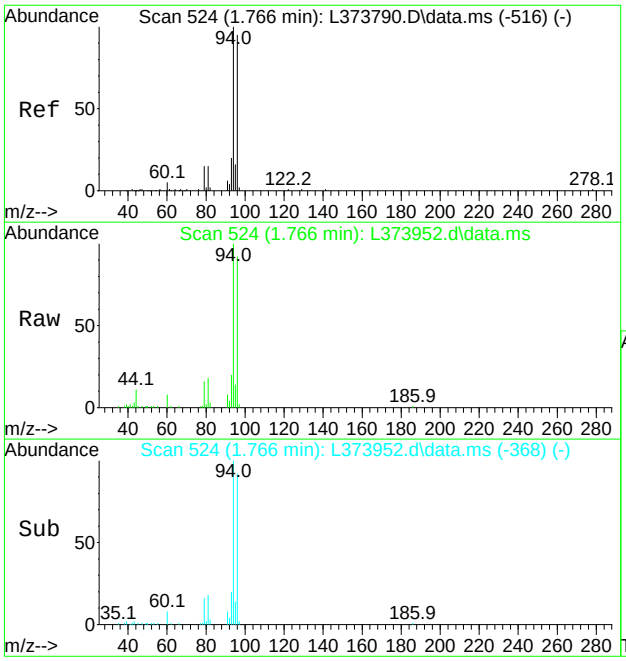


#10
1,3-butadiene
Concen: 58.5849 ug/L
RT: 1.580 min Scan# 466
Delta R.T. 0.000 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 54 Resp: 152626

Ion	Ratio	Lower	Upper
54	100		
53	68.0	40.7	100.7
51	29.8	0.0	59.5

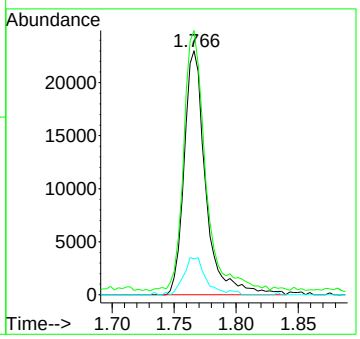


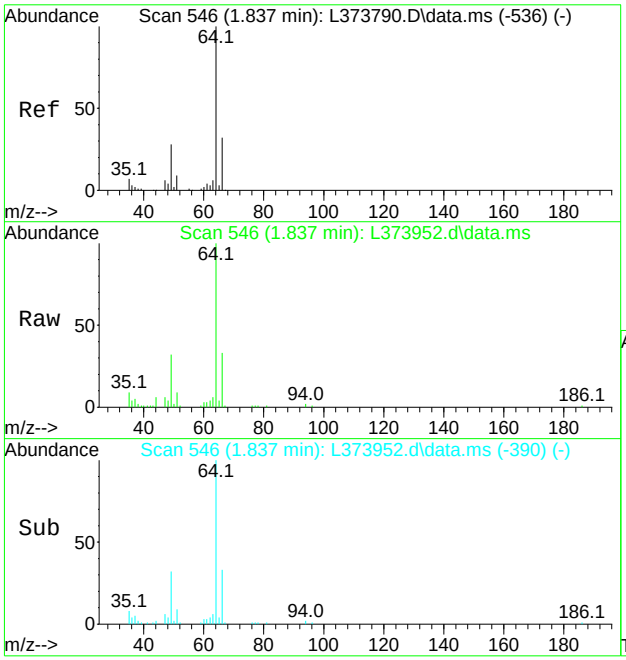


#11
bromomethane
Concen: 39.7886 ug/L
RT: 1.766 min Scan# 524
Delta R.T. 0.000 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 96 Resp: 27861

Ion	Ratio	Lower	Upper
96	100		
94	106.0	76.7	136.7
95	14.7	0.0	46.3

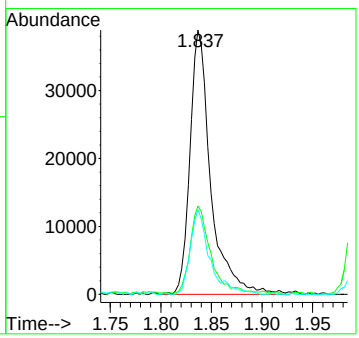




#12
chloroethane
Concen: 47.1151 ug/L
RT: 1.837 min Scan# 546
Delta R.T. -0.000 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

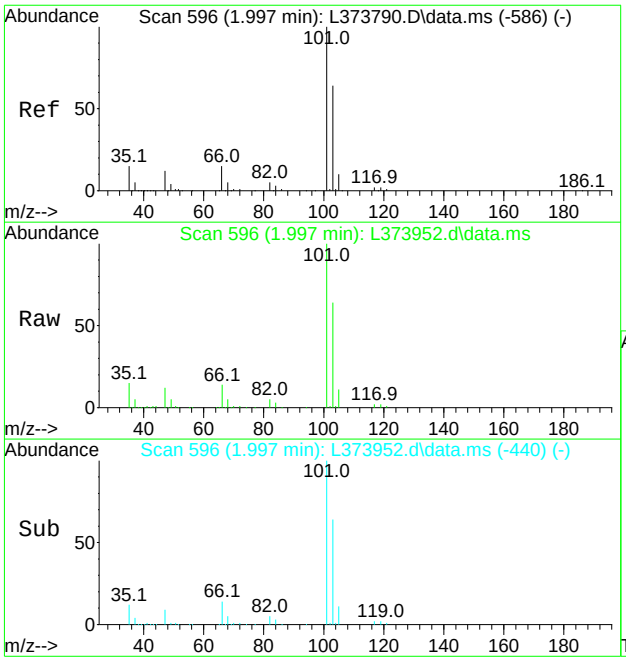
Tgt Ion: 64 Resp: 55656

Ion	Ratio	Lower	Upper
64	100		
66	33.4	1.8	61.8
49	32.1	0.0	57.7



7.6.41

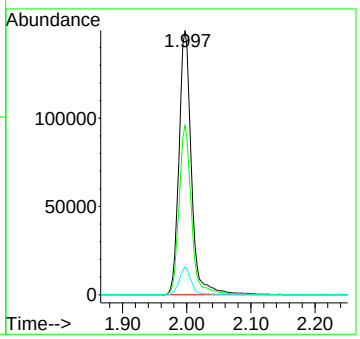
7

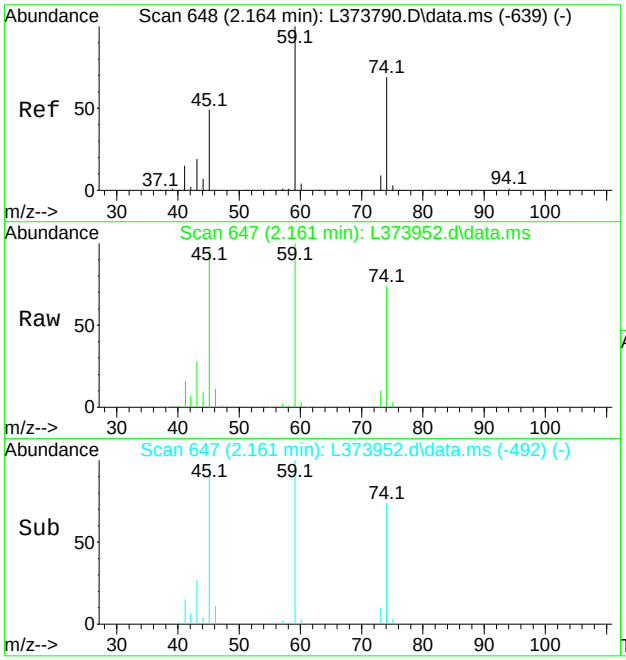


#13
trichlorofluoromethane
Concen: 56.4438 ug/L
RT: 1.997 min Scan# 596
Delta R.T. 0.000 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion:101 Resp: 202107

Ion	Ratio	Lower	Upper
101	100		
103	64.4	33.8	93.8
105	10.7	0.0	40.0

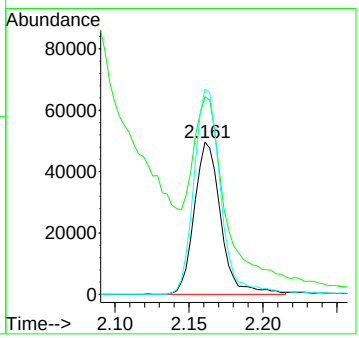


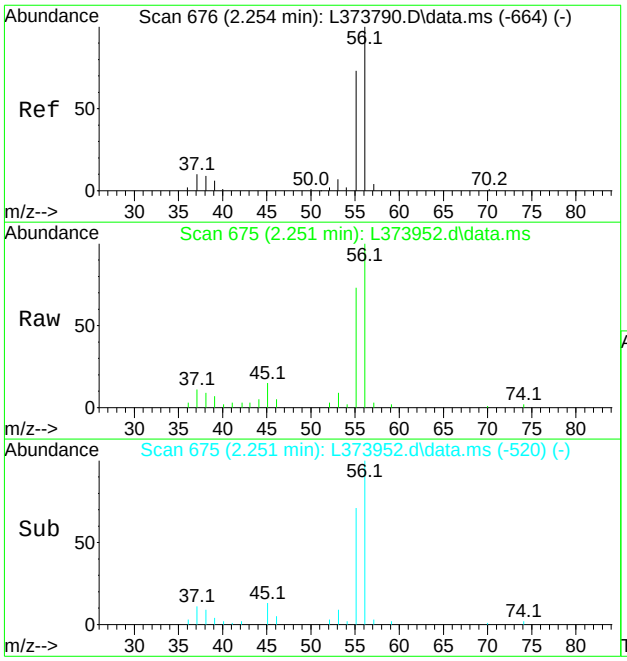


#14
ethyl ether
Concen: 51.8335 ug/L
RT: 2.161 min Scan# 647
Delta R.T. -0.003 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 74 Resp: 61816

Ion	Ratio	Lower	Upper
74	100		
45	118.5	102.0	162.0
59	135.0	114.2	174.2

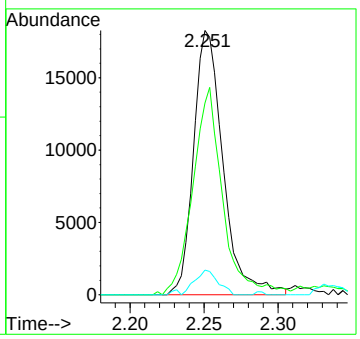


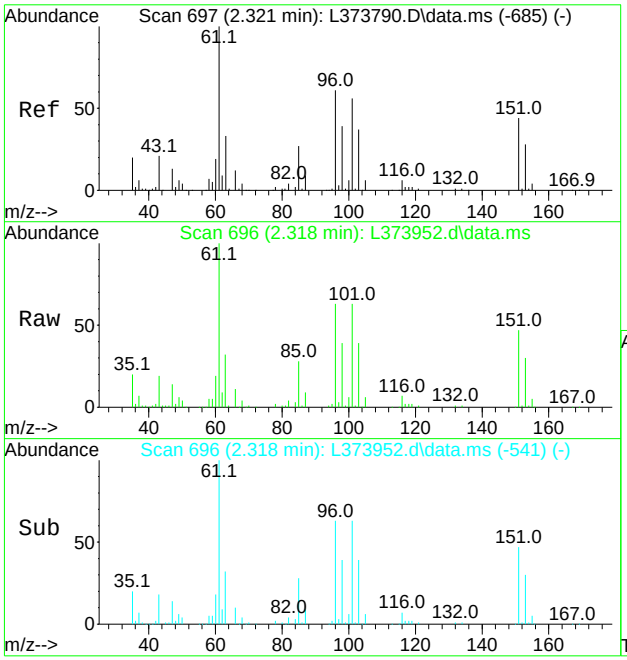


#15
acrolein
Concen: 49.3813 ug/L
RT: 2.251 min Scan# 675
Delta R.T. -0.003 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 56 Resp: 25234

Ion	Ratio	Lower	Upper
56	100		
55	72.5	42.9	102.9
53	9.3	0.0	38.0

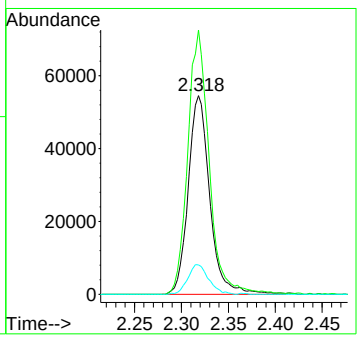


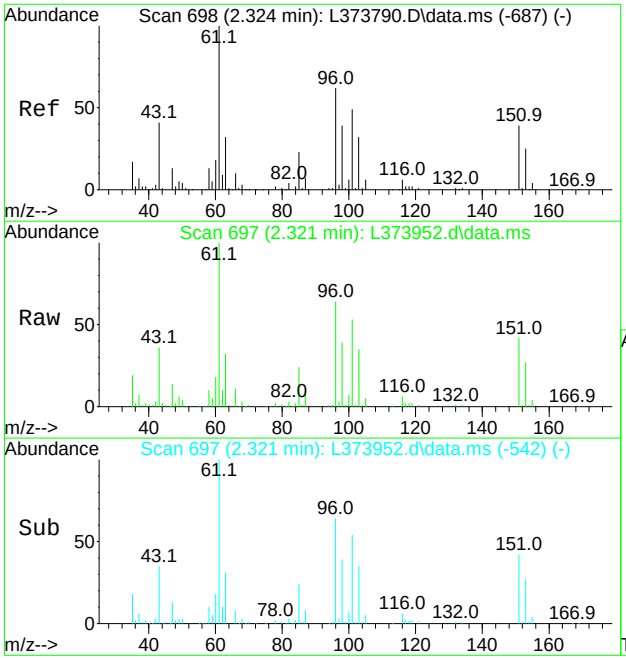


#16
freon 113
Concen: 57.7940 ug/L
RT: 2.318 min Scan# 696
Delta R.T. -0.003 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion:151 Resp: 87200

Ion	Ratio	Lower	Upper
151	100		
101	133.1	107.4	147.4
116	14.8	0.0	33.9

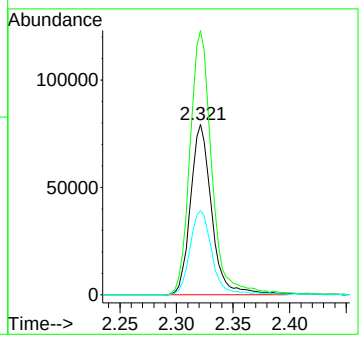


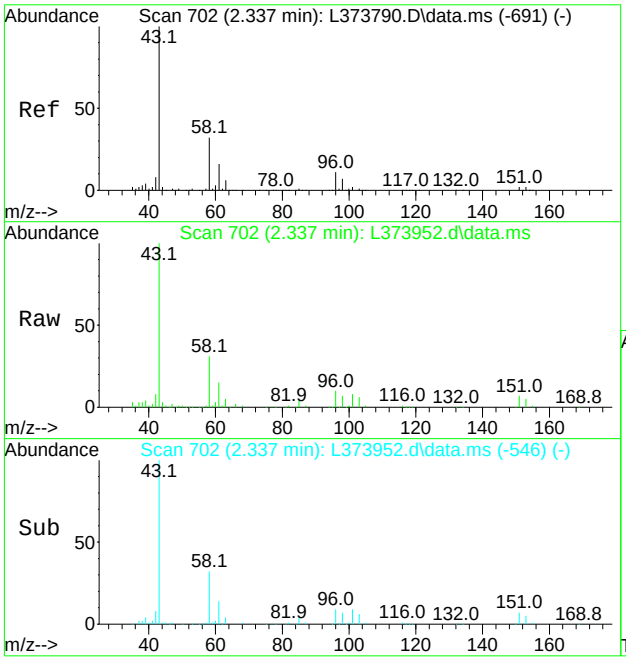


#17
1,1-dichloroethene
Concen: 54.9516 ug/L
RT: 2.321 min Scan# 697
Delta R.T. -0.003 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 96 Resp: 103618

Ion	Ratio	Lower	Upper
96	100		
61	155.1	131.4	191.4
63	49.4	22.3	82.3

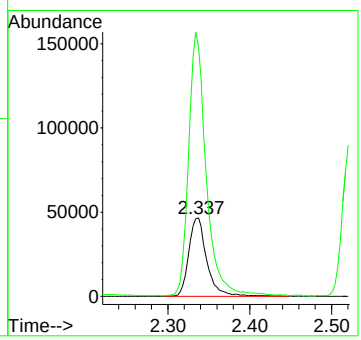


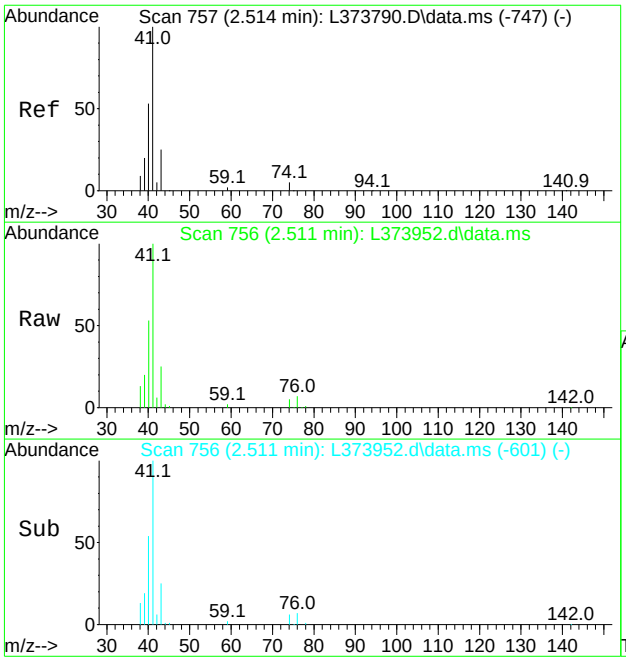


#18
acetone
Concen: 193.0985 ug/L
RT: 2.337 min Scan# 702
Delta R.T. 0.000 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 58 Resp: 71652

Ion	Ratio	Lower	Upper
58	100		
43	316.8	286.5	346.5

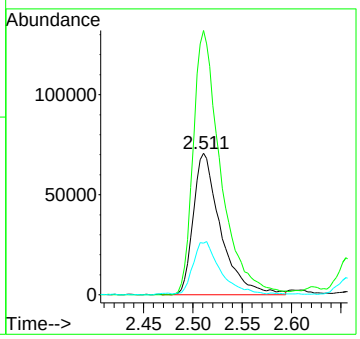


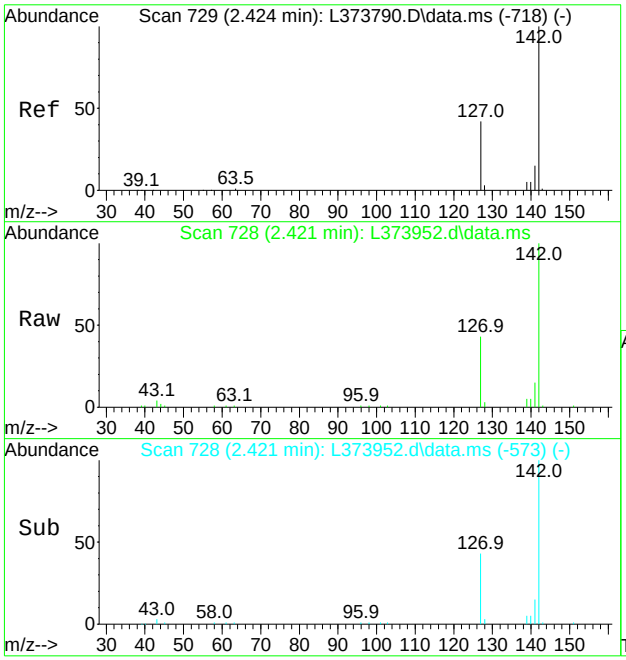


#19
acetonitrile
Concen: 470.6418 ug/L
RT: 2.511 min Scan# 756
Delta R.T. -0.003 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 40 Resp: 136846

Ion	Ratio	Lower	Upper
40	100		
41	186.9	158.5	218.5
39	35.9	8.2	68.2

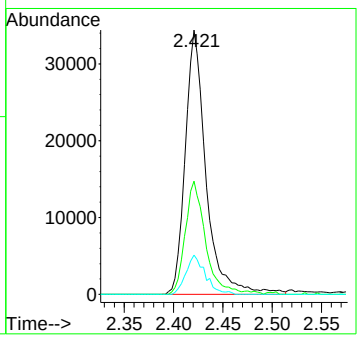


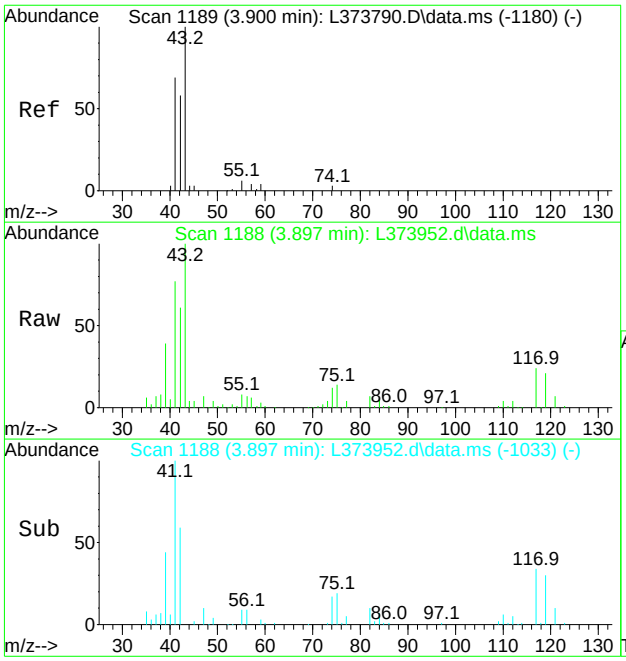


#20
iodomethane
Concen: 34.5445 ug/L
RT: 2.421 min Scan# 728
Delta R.T. -0.003 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion:142 Resp: 50341

Ion	Ratio	Lower	Upper
142	100		
127	42.9	12.2	72.2
141	14.8	0.0	44.6

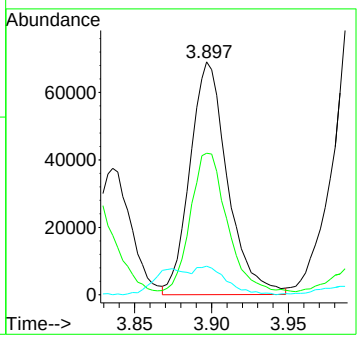


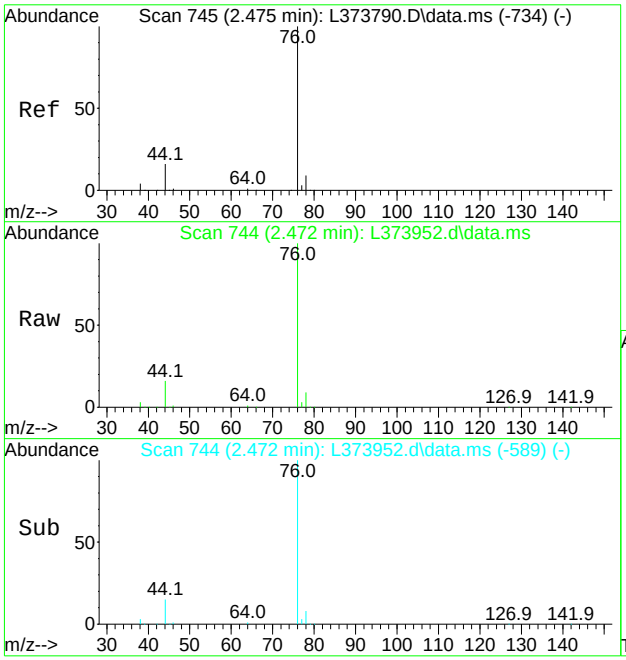


#21
iso-butyl alcohol
Concen: 463.5738 ug/L
RT: 3.897 min Scan# 1188
Delta R.T. -0.003 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 43 Resp: 116955

Ion	Ratio	Lower	Upper
43	100		
42	60.8	28.3	88.3
74	12.3	0.0	40.9

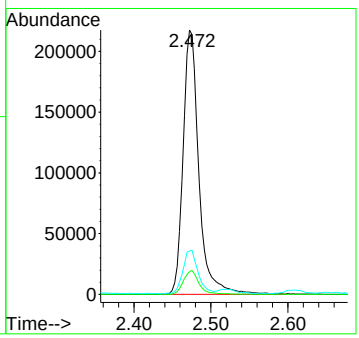


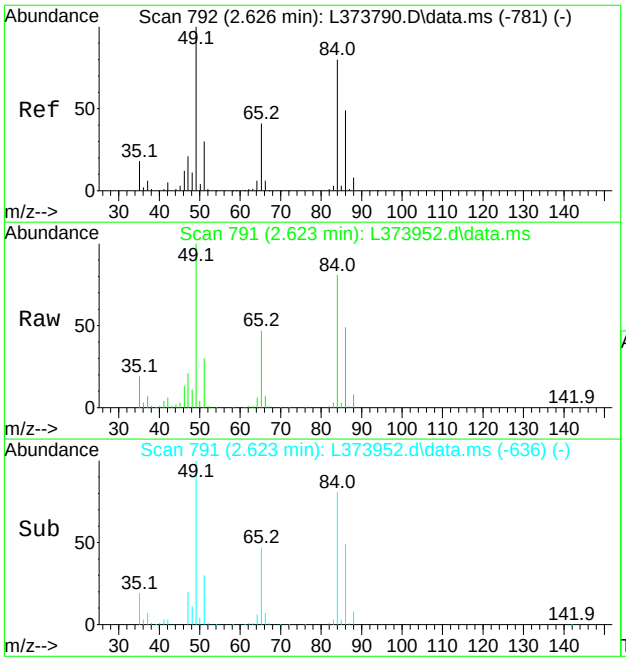


#22
carbon disulfide
Concen: 52.2524 ug/L
RT: 2.472 min Scan# 744
Delta R.T. -0.003 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 76 Resp: 309910

Ion	Ratio	Lower	Upper
76	100		
78	8.6	0.0	38.9
44	16.1	0.0	46.1

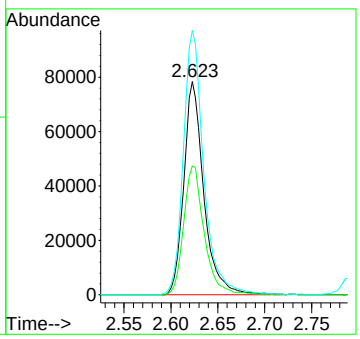


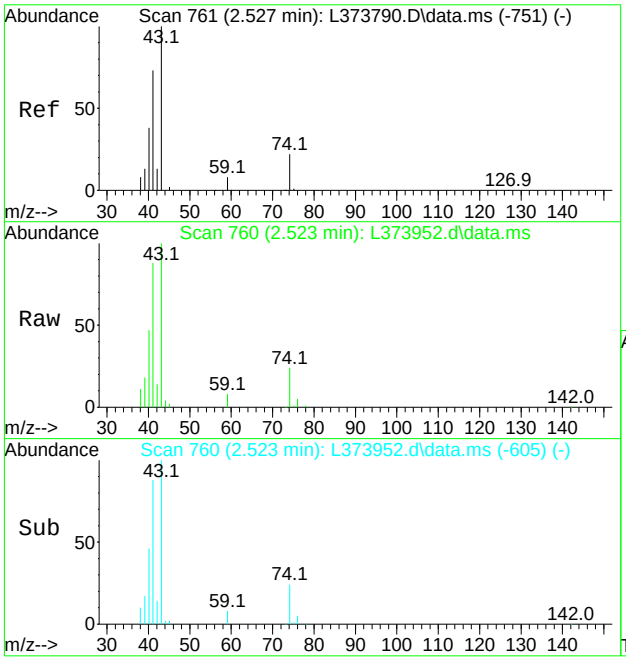


#23
methylene chloride
Concen: 50.1163 ug/L
RT: 2.623 min Scan# 791
Delta R.T. -0.003 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 84 Resp: 116629

Ion	Ratio	Lower	Upper
84	100		
86	60.4	31.2	91.2
49	123.9	95.6	155.6

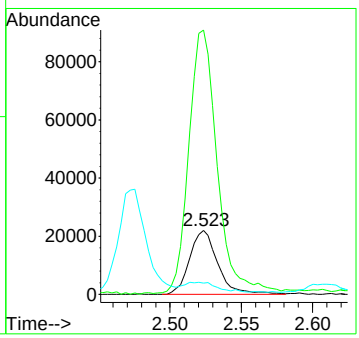


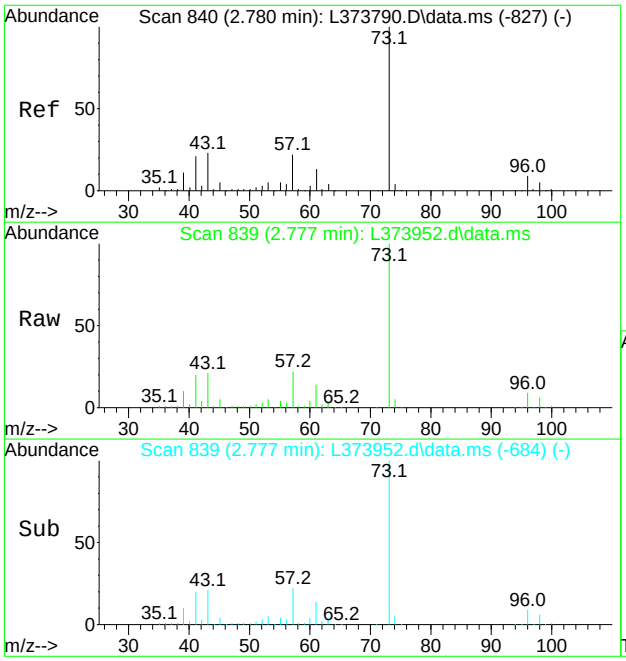


#24
methyl acetate
Concen: 51.5775 ug/L
RT: 2.523 min Scan# 760
Delta R.T. -0.004 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 74 Resp: 30234

Ion	Ratio	Lower	Upper
74	100		
43	410.5	417.7	477.7#
44	14.0	0.0	39.0

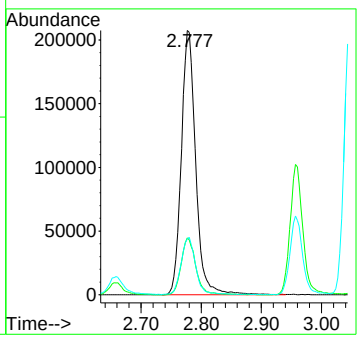


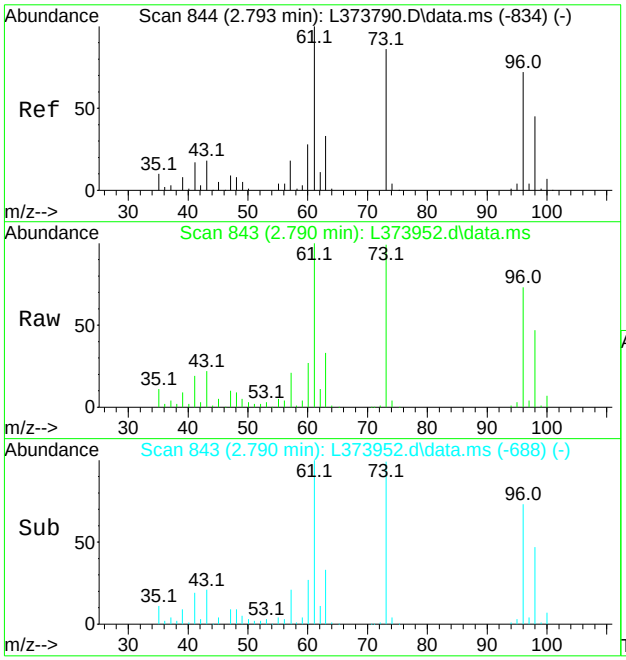


#25
methyl tert butyl ether
Concen: 55.1863 ug/L
RT: 2.777 min Scan# 839
Delta R.T. -0.003 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 73 Resp: 344247

Ion	Ratio	Lower	Upper
73	100		
57	21.6	0.0	52.4
43	21.0	0.0	52.7

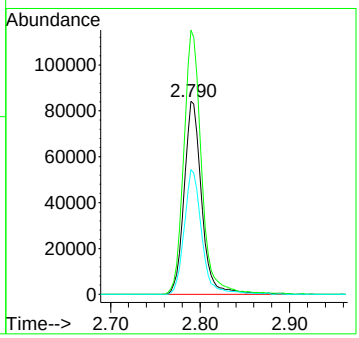


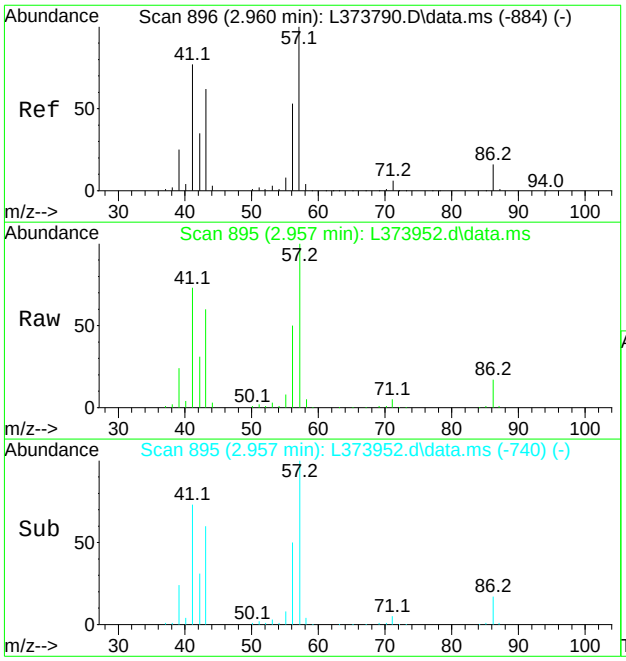


#26
trans-1,2-dichloroethene
Concen: 53.4461 ug/L
RT: 2.790 min Scan# 843
Delta R.T. -0.003 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 96 Resp: 114590

Ion	Ratio	Lower	Upper
96	100		
61	136.9	109.1	169.1
98	64.7	32.0	92.0

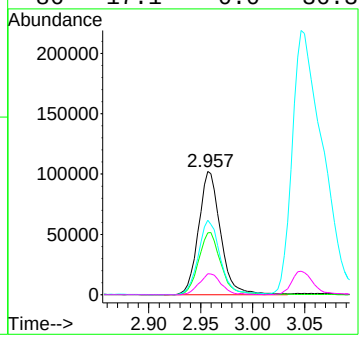


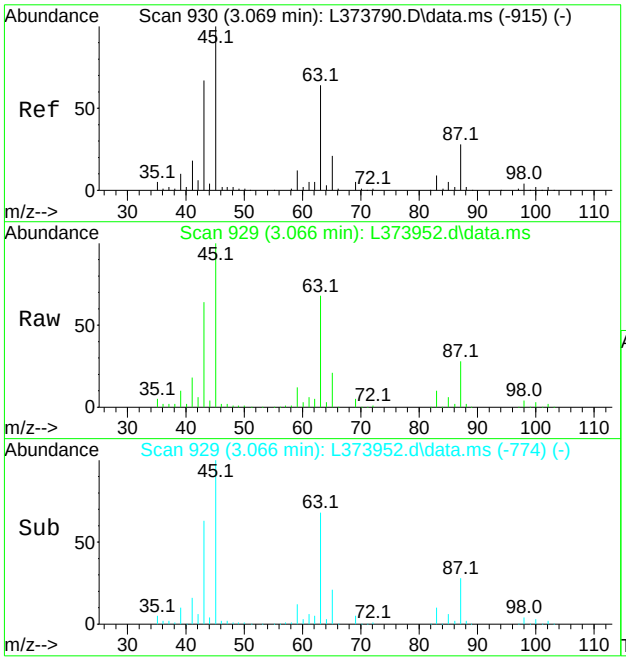


#27
hexane
Concen: 57.0800 ug/L
RT: 2.957 min Scan# 895
Delta R.T. -0.003 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 57 Resp: 151176

Ion	Ratio	Lower	Upper
57	100		
56	50.2	32.9	72.9
43	60.1	41.9	81.9
86	17.1	0.0	36.3

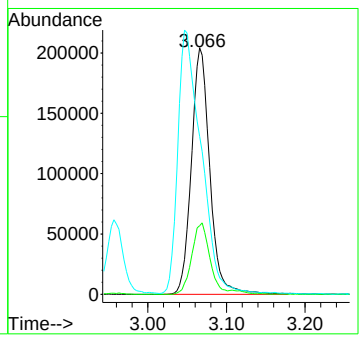


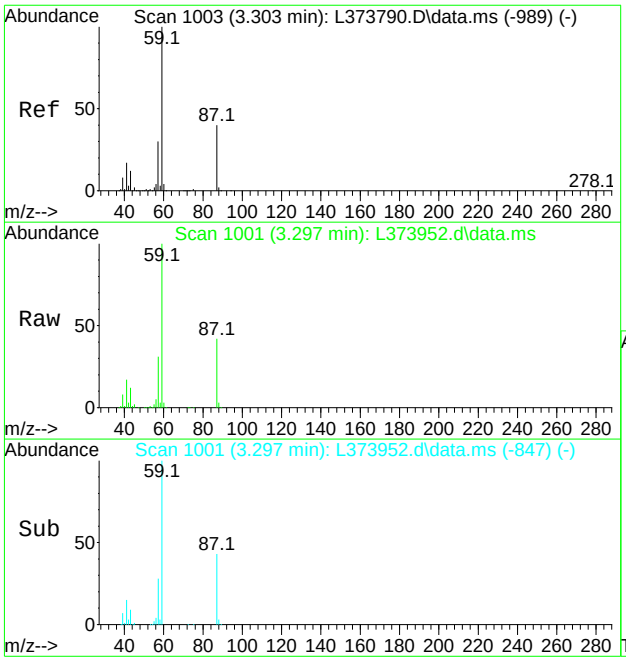


#28
di-isopropyl ether
Concen: 51.1074 ug/L
RT: 3.066 min Scan# 929
Delta R.T. -0.003 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 45 Resp: 333709

Ion	Ratio	Lower	Upper
45	100		
87	27.8	0.0	57.5
43	63.4	37.5	97.5

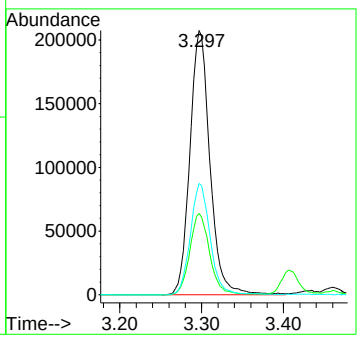


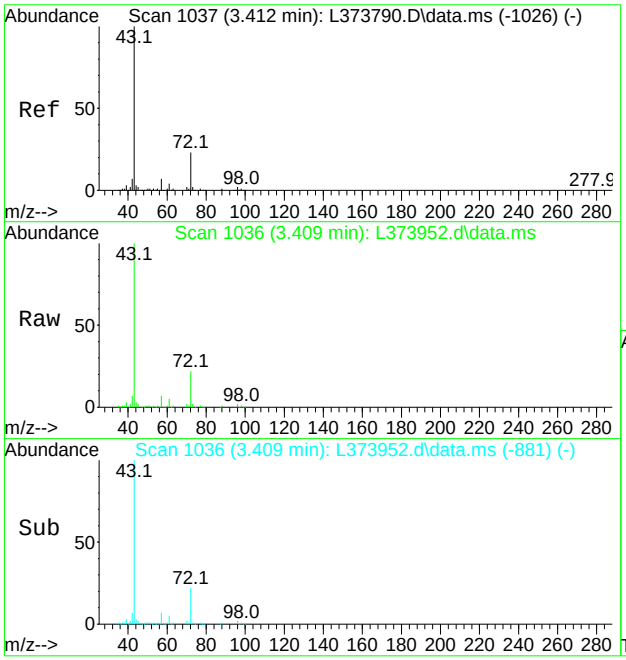


#29
ethyl tert-butyl ether
Concen: 52.7284 ug/L
RT: 3.297 min Scan# 1001
Delta R.T. -0.006 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 59 Resp: 353639

Ion	Ratio	Lower	Upper
59	100		
57	30.7	0.3	60.3
87	42.1	9.6	69.6

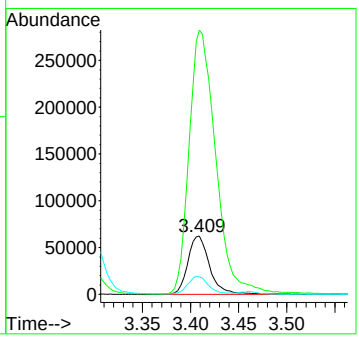


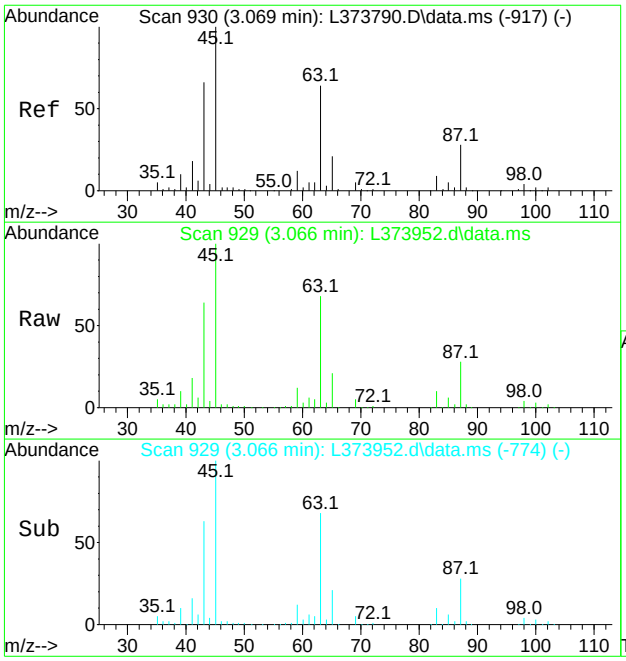


#30
2-butanone
Concen: 211.1456 ug/L
RT: 3.409 min Scan# 1036
Delta R.T. -0.003 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 72 Resp: 98557

Ion	Ratio	Lower	Upper
72	100		
43	451.6	411.9	471.9
57	29.4	2.4	62.4

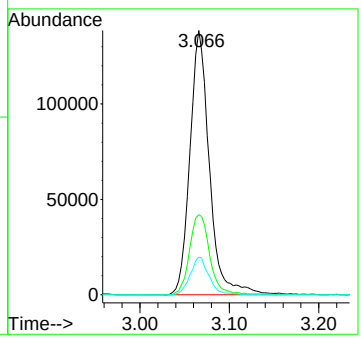


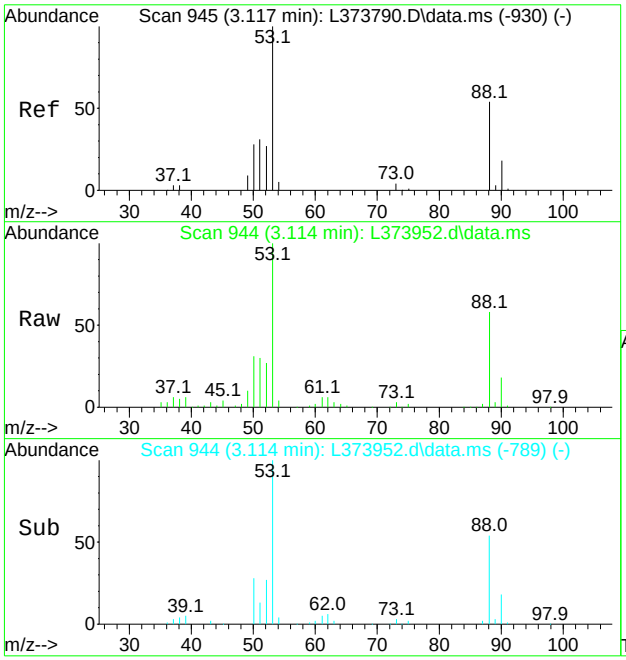


#31
1,1-dichloroethane
Concen: 51.8792 ug/L
RT: 3.066 min Scan# 929
Delta R.T. -0.003 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 63 Resp: 210111

Ion	Ratio	Lower	Upper
63	100		
65	30.3	2.5	62.5
83	14.2	0.0	43.5

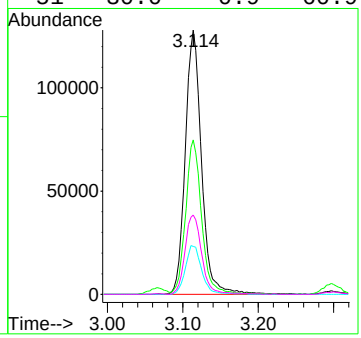


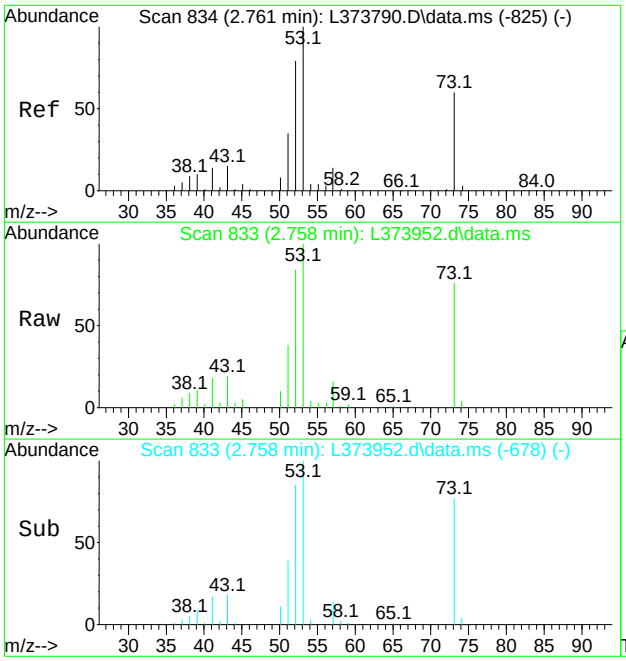


#32
chloroprene
Concen: 55.1753 ug/L
RT: 3.114 min Scan# 944
Delta R.T. -0.003 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 53 Resp: 192253

Ion	Ratio	Lower	Upper
53	100		
88	58.3	26.2	86.2
90	18.2	0.0	47.9
51	30.0	0.9	60.9

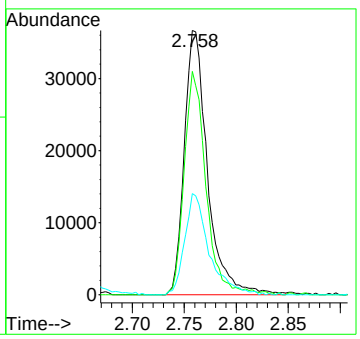


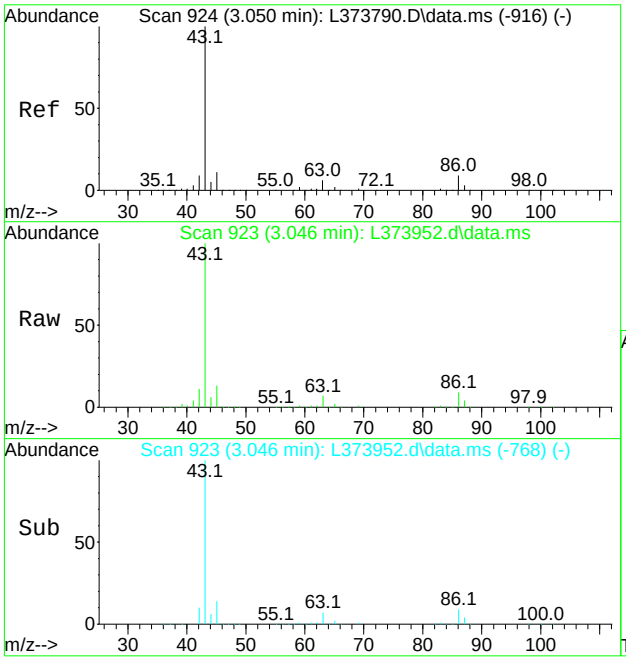


#33
acrylonitrile
Concen: 50.9678 ug/L
RT: 2.758 min Scan# 833
Delta R.T. -0.003 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 53 Resp: 56971

Ion	Ratio	Lower	Upper
53	100		
52	84.5	48.8	108.8
51	38.3	4.6	64.6

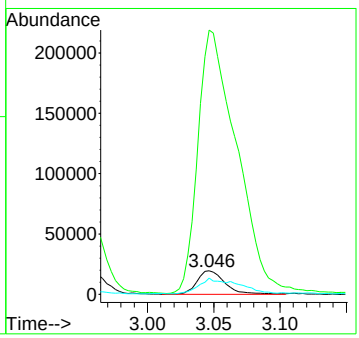


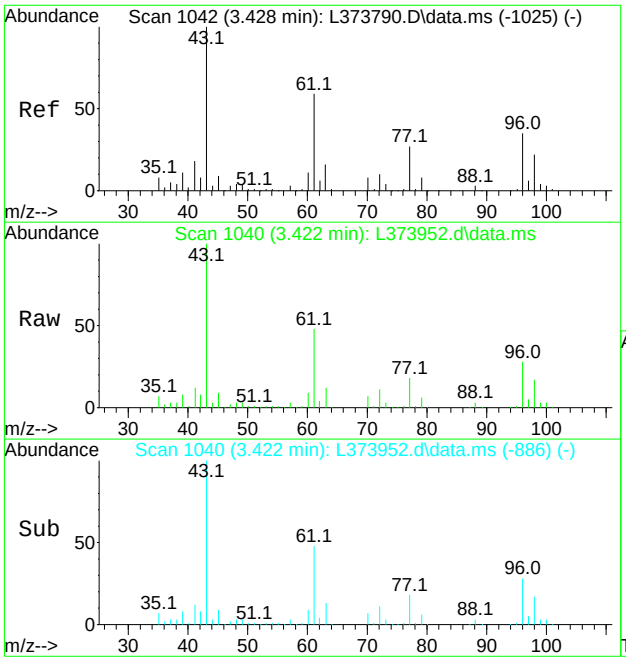


#34
vinyl acetate
Concen: 54.7312 ug/L
RT: 3.046 min Scan# 923
Delta R.T. -0.004 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 86 Resp: 29005

Ion	Ratio	Lower	Upper
86	100		
43	1118.3	1076.3	1136.3
44	65.6	23.6	83.6

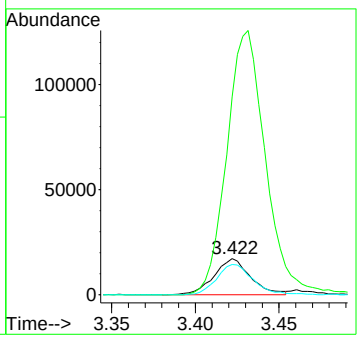


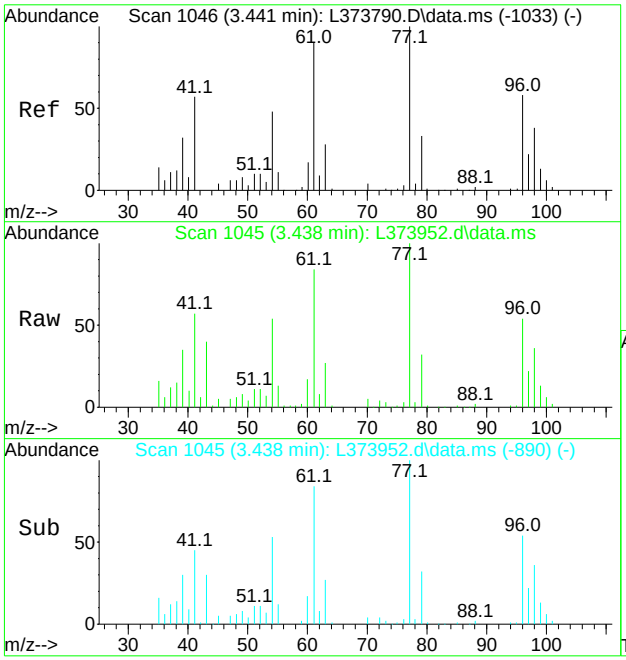


#35
ethyl acetate
Concen: 45.3197 ug/L
RT: 3.422 min Scan# 1040
Delta R.T. -0.006 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 45 Resp: 26170

Ion	Ratio	Lower	Upper
45	100		
61	546.1	598.6	658.6#
70	84.0	53.6	113.6

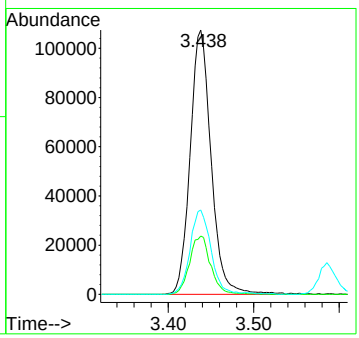


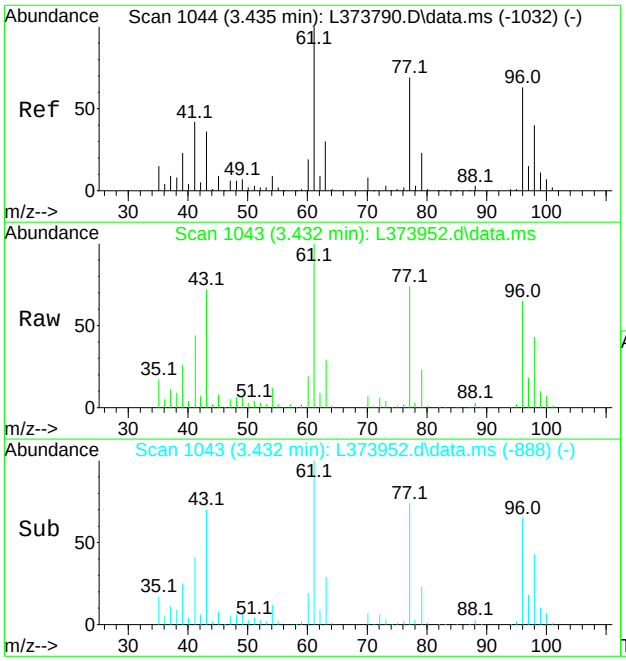


#36
2,2-dichloropropane
Concen: 50.1251 ug/L
RT: 3.438 min Scan# 1045
Delta R.T. -0.003 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 77 Resp: 182903

Ion	Ratio	Lower	Upper
77	100		
97	22.1	0.0	52.3
79	31.9	3.0	63.0

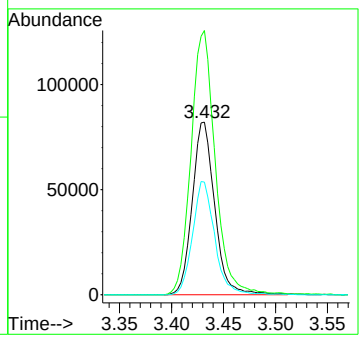


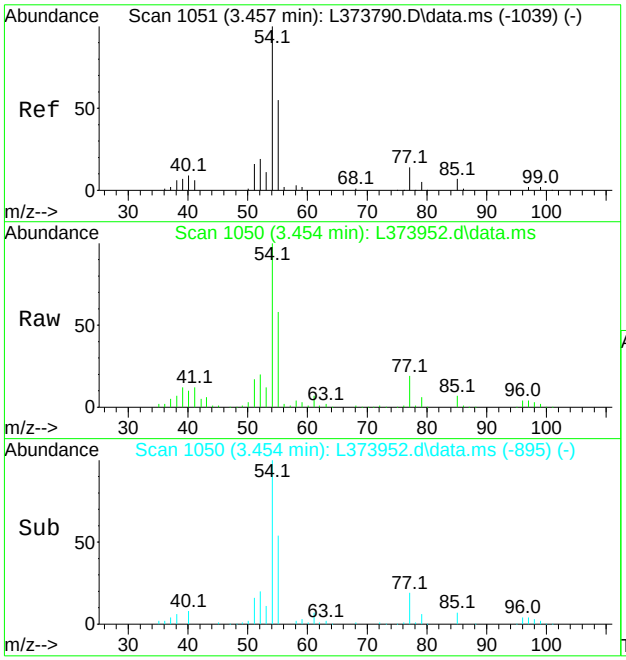


#37
cis-1,2-dichloroethene
Concen: 52.5865 ug/L
RT: 3.432 min Scan# 1043
Delta R.T. -0.003 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 96 Resp: 123881

Ion	Ratio	Lower	Upper
96	100		
61	153.2	128.7	188.7
98	65.2	34.1	94.1

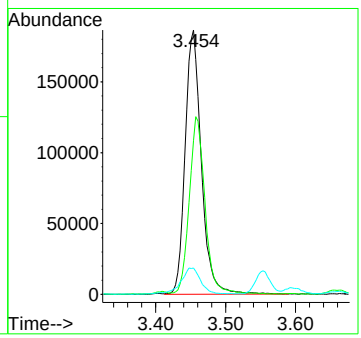


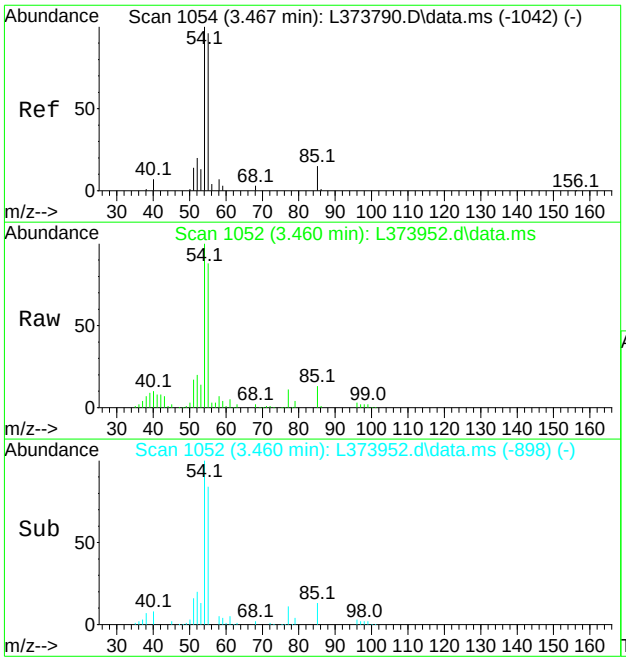


#38
propionitrile
Concen: 472.9534 ug/L
RT: 3.454 min Scan# 1050
Delta R.T. -0.003 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 54 Resp: 300762

Ion	Ratio	Lower	Upper
54	100		
55	57.9	25.4	85.4
40	9.3	0.0	39.0

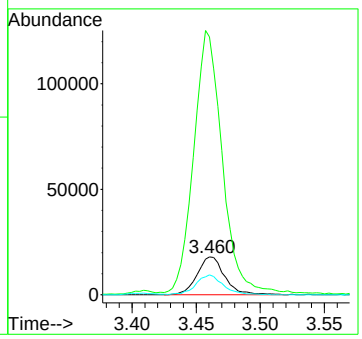


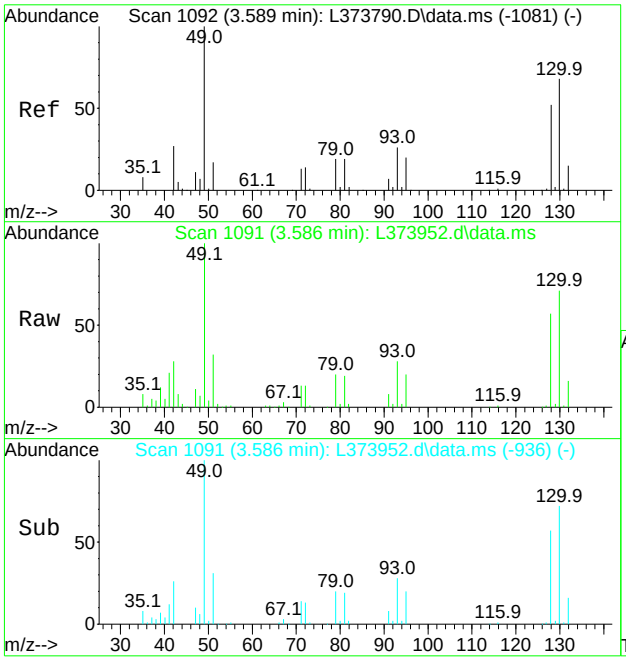


#39
methyl acrylate
Concen: 54.1198 ug/L
RT: 3.460 min Scan# 1052
Delta R.T. -0.007 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 85 Resp: 26906

Ion	Ratio	Lower	Upper
85	100		
55	673.2	639.4	679.4
58	52.7	29.8	69.8

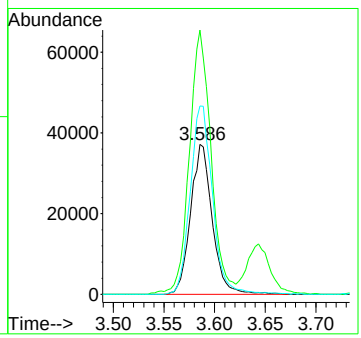


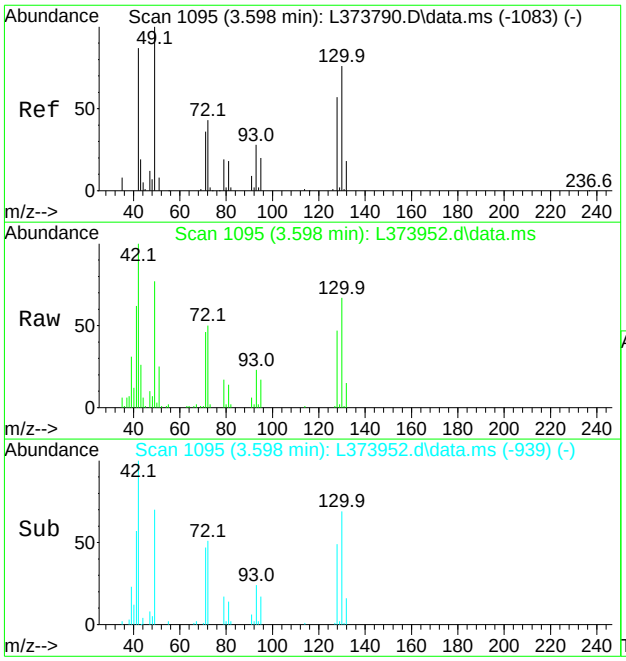


#40
bromochloromethane
Concen: 53.5002 ug/L
RT: 3.586 min Scan# 1091
Delta R.T. -0.003 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion:128 Resp: 55502

Ion	Ratio	Lower	Upper
128	100		
49	174.3	163.3	223.3
130	125.6	100.3	160.3

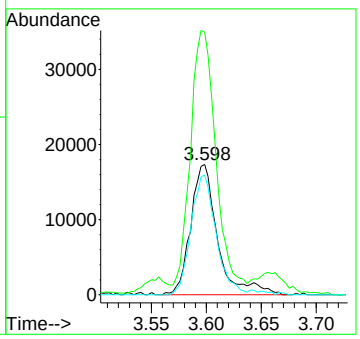


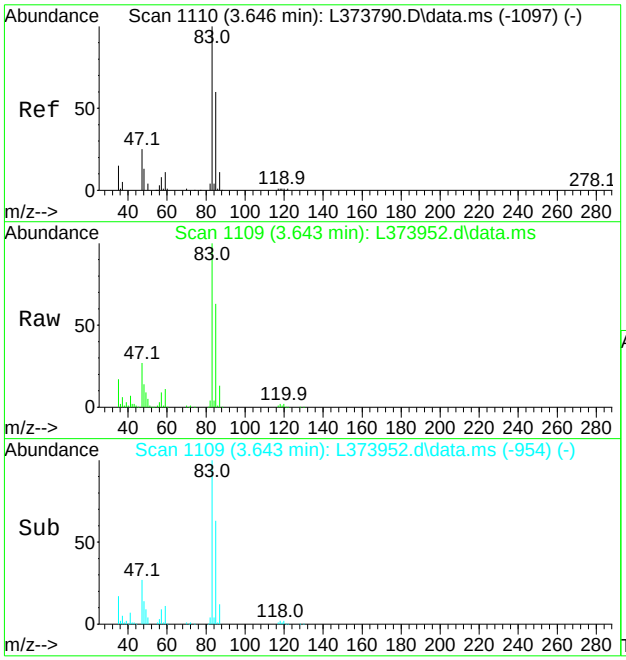


#41
tetrahydrofuran
Concen: 50.8383 ug/L
RT: 3.598 min Scan# 1095
Delta R.T. 0.000 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 72 Resp: 29571

Ion	Ratio	Lower	Upper
72	100		
42	192.7	183.3	243.3
71	91.8	53.5	113.5

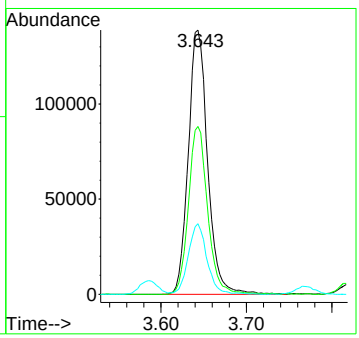


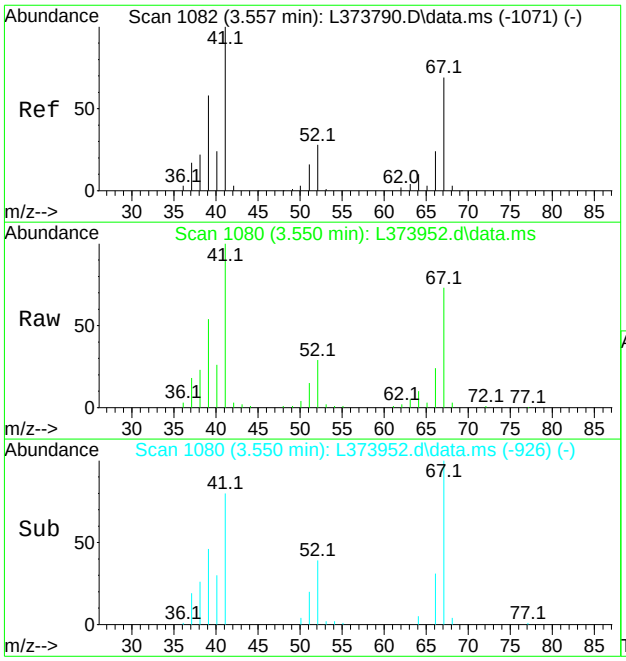


#42
chloroform
Concen: 48.6063 ug/L
RT: 3.643 min Scan# 1109
Delta R.T. -0.003 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 83 Resp: 218455

Ion	Ratio	Lower	Upper
83	100		
85	63.5	29.7	89.7
47	26.4	0.0	54.6

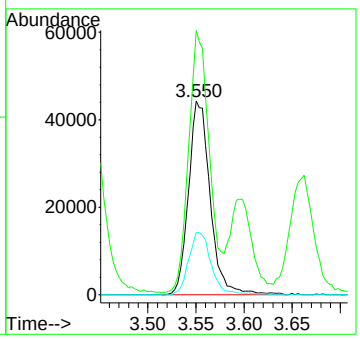


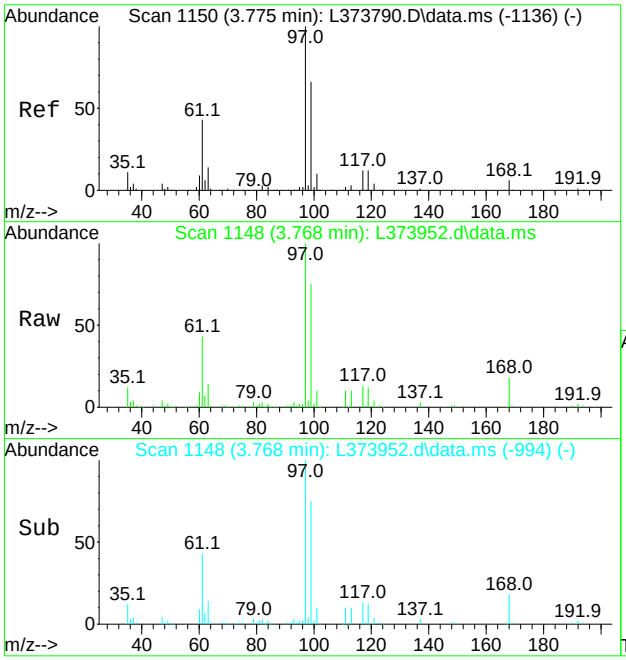


#44
methacrylonitrile
Concen: 51.2514 ug/L
RT: 3.550 min Scan# 1080
Delta R.T. -0.007 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 67 Resp: 69508

Ion	Ratio	Lower	Upper
67	100		
41	135.2	115.3	175.3
66	32.3	4.3	64.3

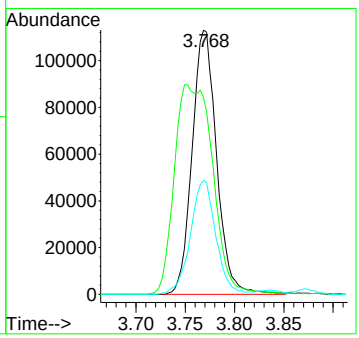


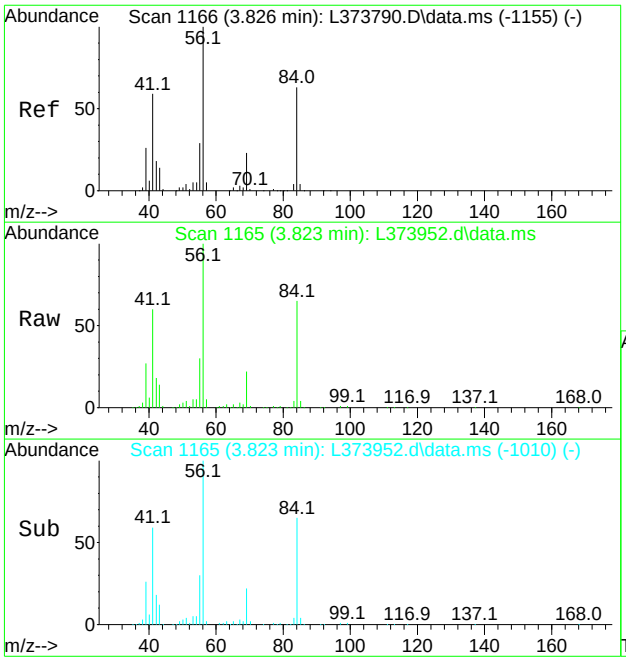


#45
1,1,1-trichloroethane
Concen: 54.8736 ug/L
RT: 3.768 min Scan# 1148
Delta R.T. -0.007 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 97 Resp: 195282

Ion	Ratio	Lower	Upper
97	100		
99	74.3	41.0	101.0
61	42.6	12.9	72.9

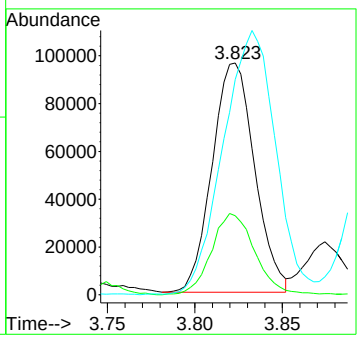


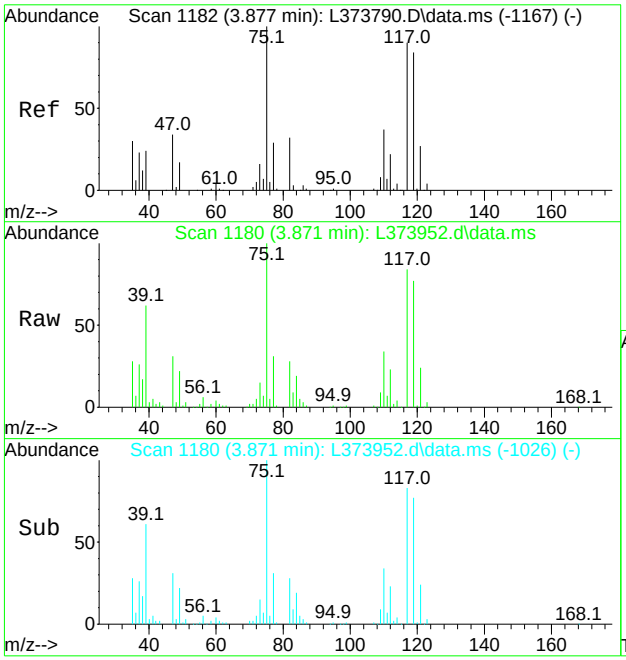


#46
cyclohexane
Concen: 54.8985 ug/L
RT: 3.823 min Scan# 1165
Delta R.T. -0.003 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 84 Resp: 162345

Ion	Ratio	Lower	Upper
84	100		
69	34.5	16.2	56.2
41	93.7	73.6	113.6

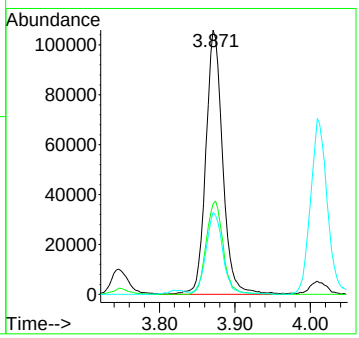


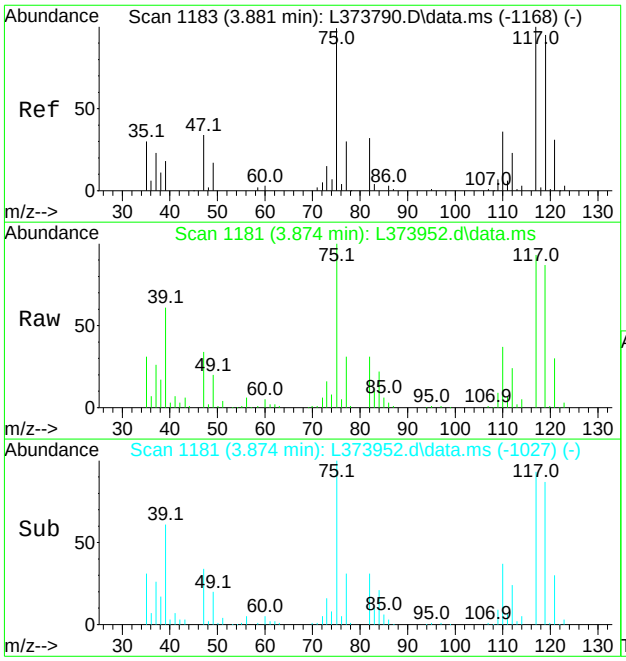


#47
1,1-dichloropropene
Concen: 57.3049 ug/L
RT: 3.871 min Scan# 1180
Delta R.T. -0.006 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 75 Resp: 165384

Ion	Ratio	Lower	Upper
75	100		
110	34.3	17.0	57.0
77	30.9	10.2	50.2

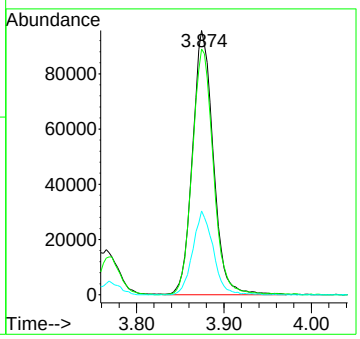


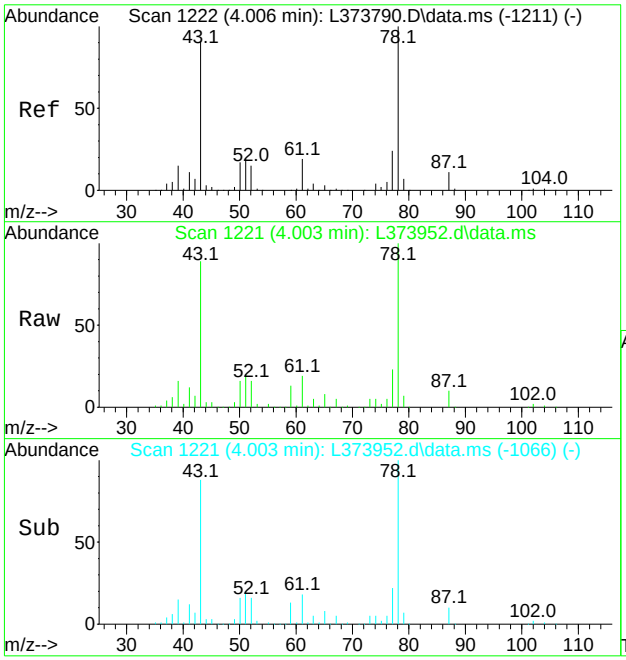


#48
carbon tetrachloride
Concen: 54.6622 ug/L
RT: 3.874 min Scan# 1181
Delta R.T. -0.007 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion:117 Resp: 158569

Ion	Ratio	Lower	Upper
117	100		
119	92.6	74.4	114.4
121	31.7	10.8	50.8

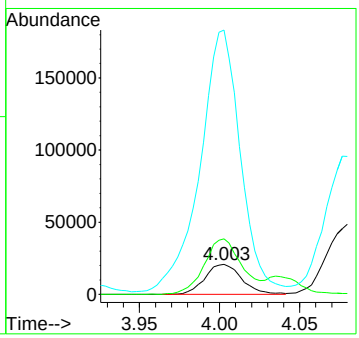


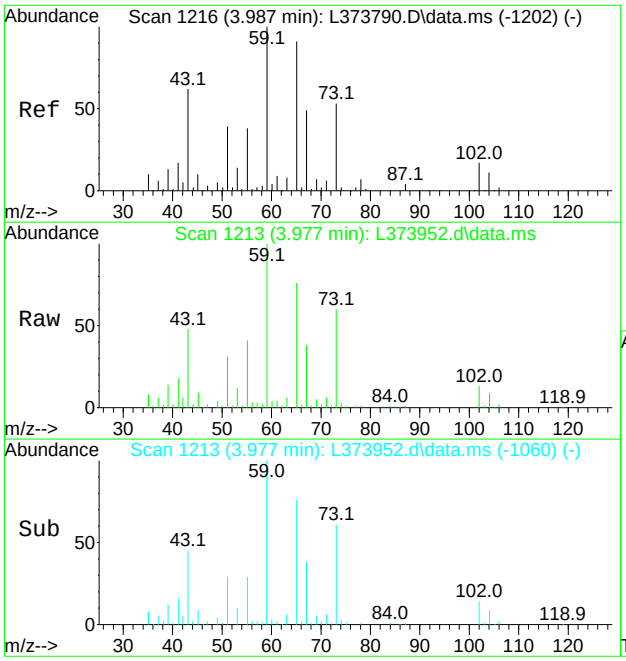


#49
isopropyl acetate
Concen: 51.9900 ug/L
RT: 4.003 min Scan# 1221
Delta R.T. -0.003 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 87 Resp: 33471

Ion	Ratio	Lower	Upper
87	100		
61	184.9	152.1	192.1
43	852.2	844.1	904.1

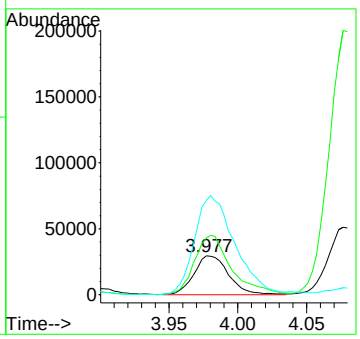


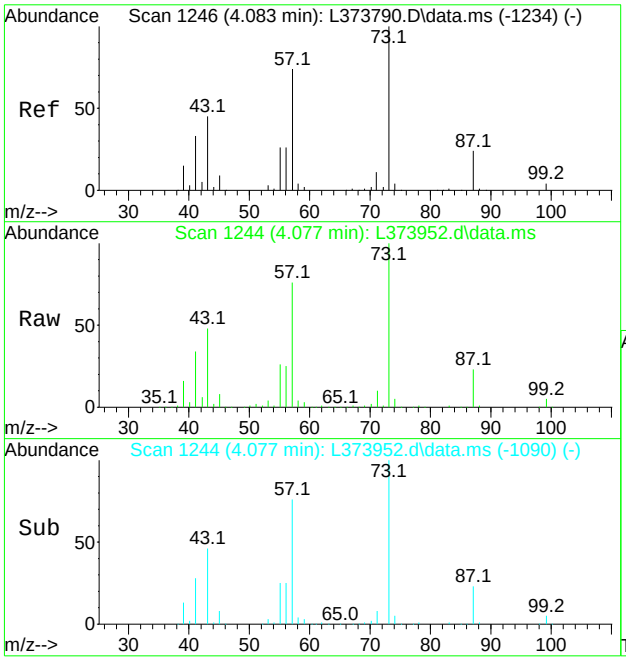


#50
tert amyl alcohol
Concen: 208.1427 ug/L
RT: 3.977 min Scan# 1213
Delta R.T. -0.010 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 55 Resp: 52459

Ion	Ratio	Lower	Upper
55	100		
73	146.0	119.2	159.2
59	243.1	242.0	282.0

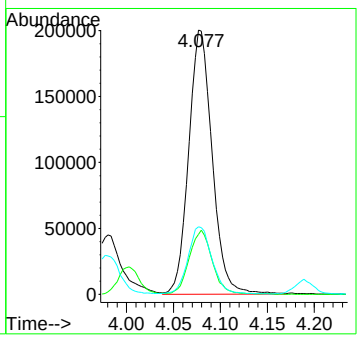


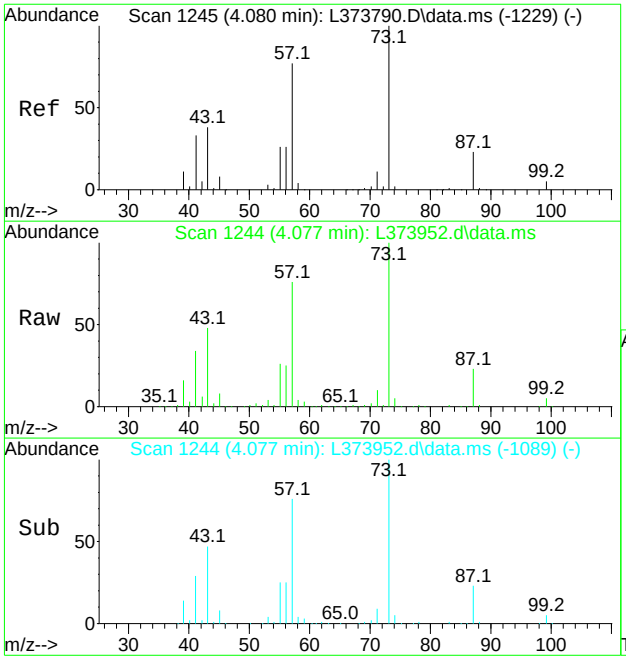


#53
tert-amyl methyl ether
Concen: 52.7578 ug/L
RT: 4.077 min Scan# 1244
Delta R.T. -0.006 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 73 Resp: 349377

Ion	Ratio	Lower	Upper
73	100		
87	22.8	4.6	44.6
55	25.3	5.7	45.7

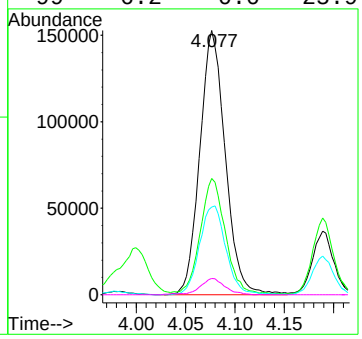


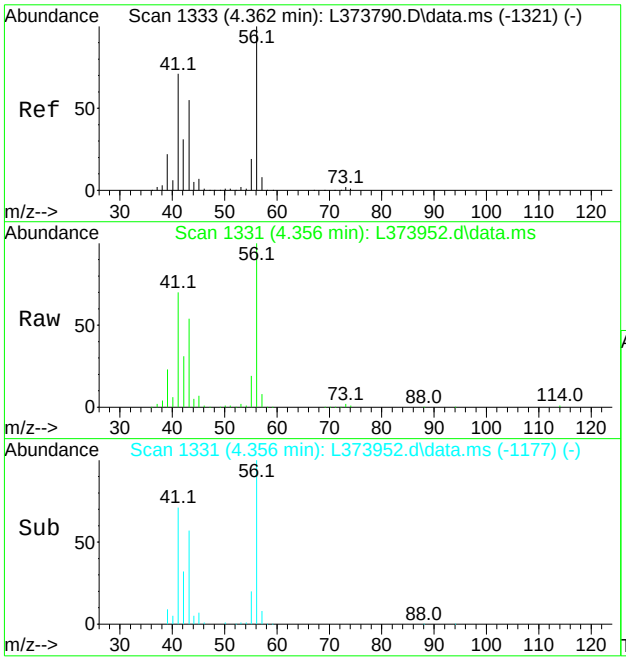


#54
2,2,4-trimethylpentane
Concen: 55.7384 ug/L
RT: 4.077 min Scan# 1244
Delta R.T. -0.003 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 57 Resp: 274711

Ion	Ratio	Lower	Upper
57	100		
41	43.6	25.1	65.1
56	33.1	13.8	53.8
99	6.2	0.0	25.9

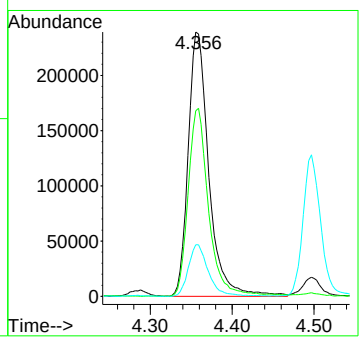


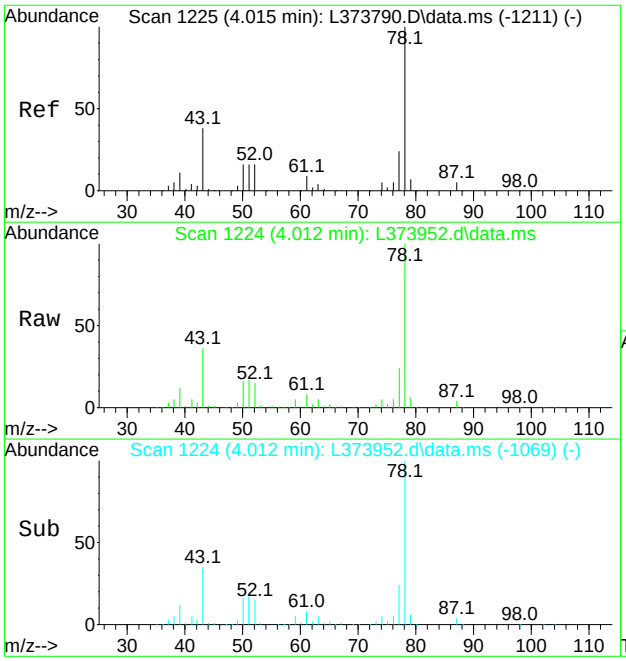


#55
n-butyl alcohol
Concen: 2155.6034 ug/L
RT: 4.356 min Scan# 1331
Delta R.T. -0.006 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 56 Resp: 419546

Ion	Ratio	Lower	Upper
56	100		
41	70.1	40.6	100.6
55	19.5	0.0	49.1

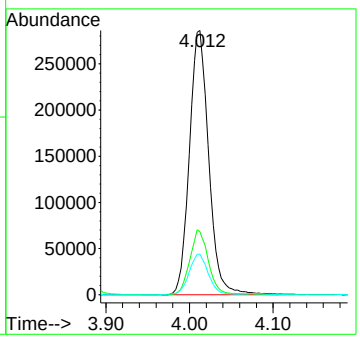


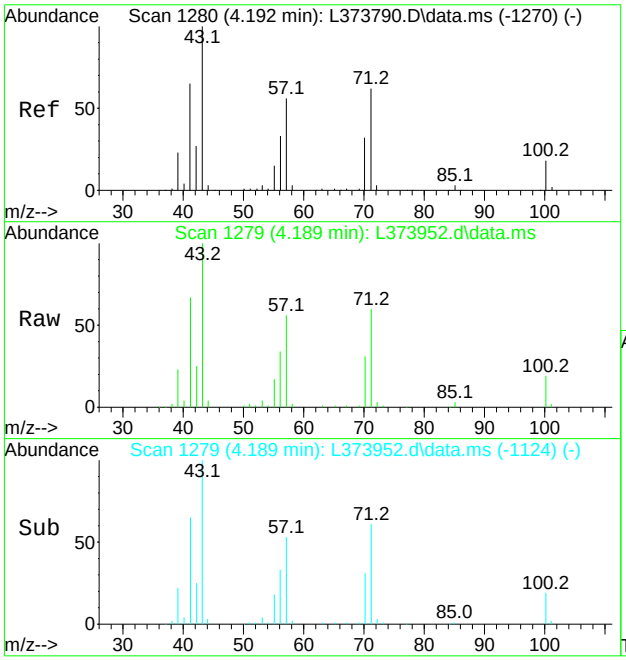


#56
benzene
Concen: 51.9822 ug/L
RT: 4.012 min Scan# 1224
Delta R.T. -0.003 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 78 Resp: 460194

Ion	Ratio	Lower	Upper
78	100		
77	23.9	0.0	53.5
52	15.4	0.0	46.2

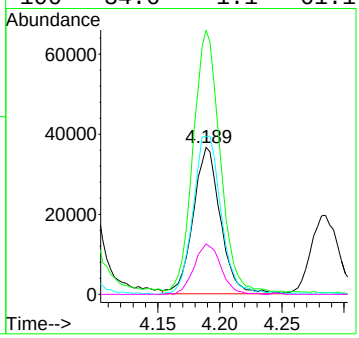


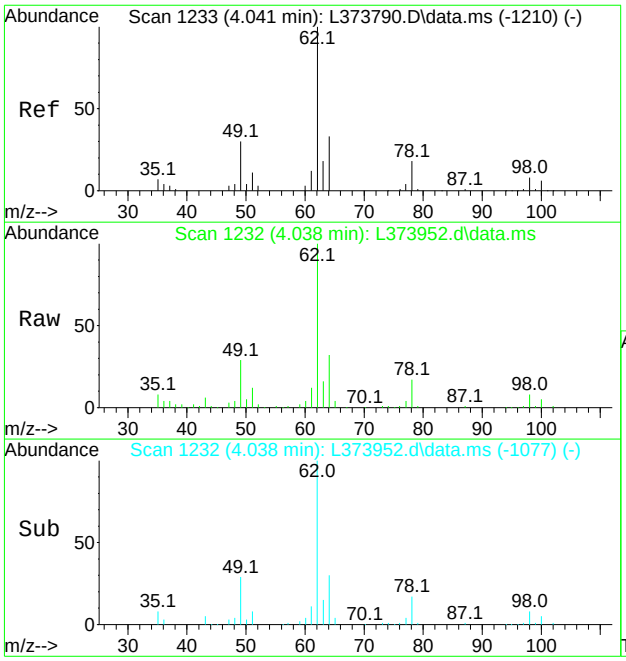


#57
heptane
Concen: 53.5380 ug/L
RT: 4.189 min Scan# 1279
Delta R.T. -0.003 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 57 Resp: 55938

Ion	Ratio	Lower	Upper
57	100		
43	180.0	146.8	206.8
71	108.0	78.5	138.5
100	34.6	1.1	61.1

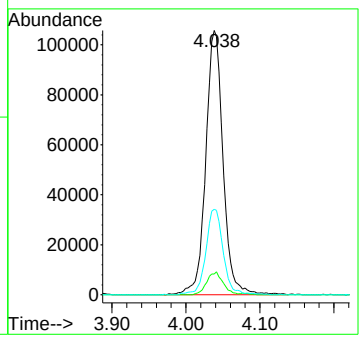


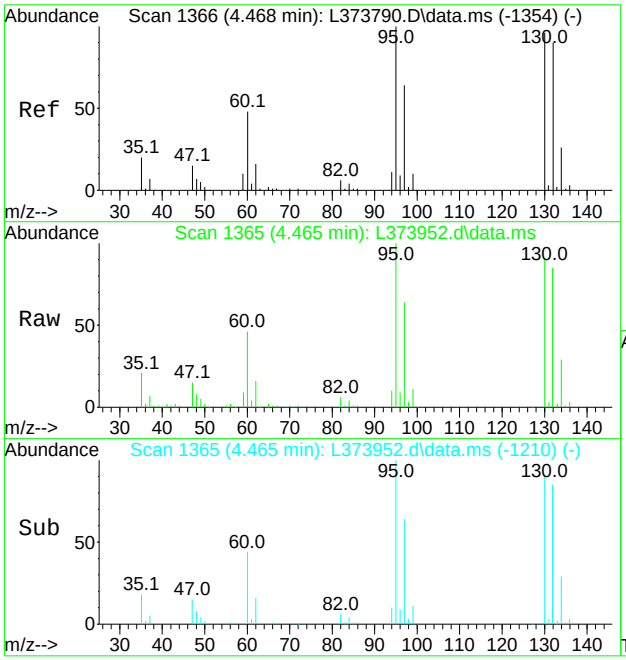


#58
1,2-dichloroethane
Concen: 51.1811 ug/L
RT: 4.038 min Scan# 1232
Delta R.T. -0.003 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 62 Resp: 172477

Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	38.1
64	32.3	2.8	62.8

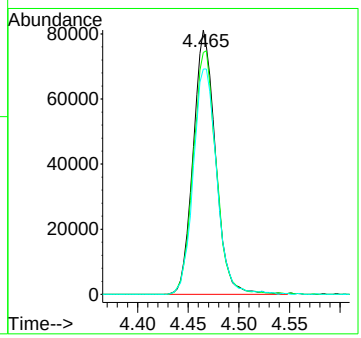


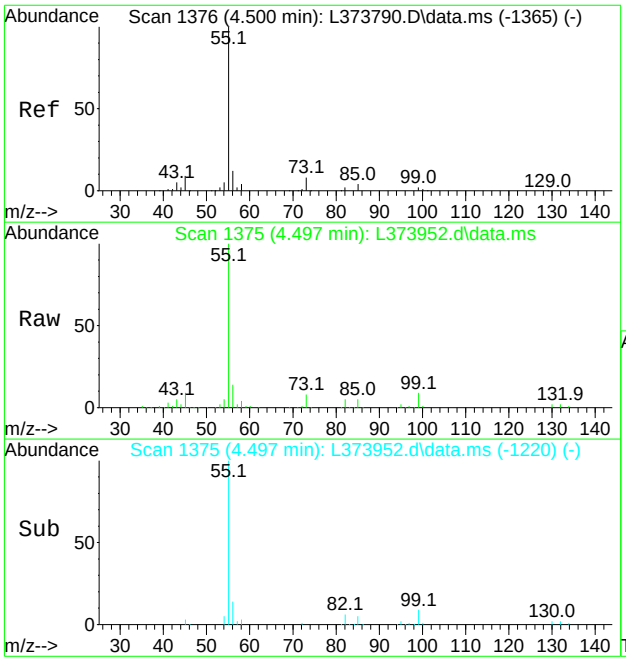


#59
trichloroethene
Concen: 55.7143 ug/L
RT: 4.465 min Scan# 1365
Delta R.T. -0.003 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 95 Resp: 124181

Ion	Ratio	Lower	Upper
95	100		
130	91.5	65.5	125.5
132	85.2	59.7	119.7

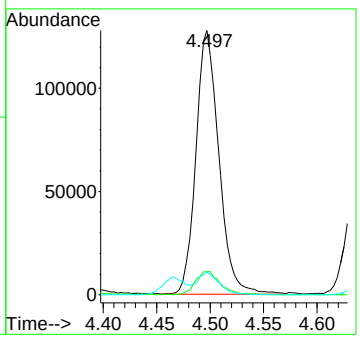


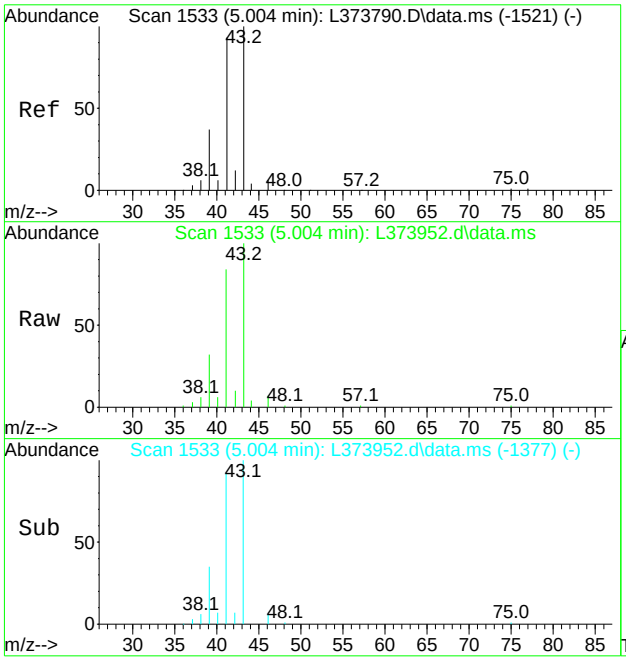


#60
ethyl acrylate
Concen: 47.9433 ug/L
RT: 4.497 min Scan# 1375
Delta R.T. -0.003 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 55 Resp: 191247

Ion	Ratio	Lower	Upper
55	100		
45	8.8	0.0	28.6
99	8.7	0.0	27.8

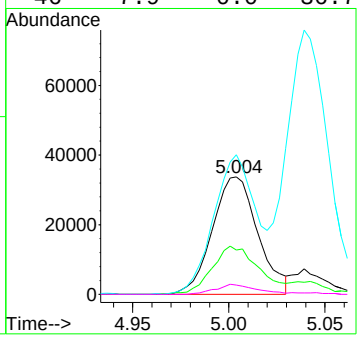


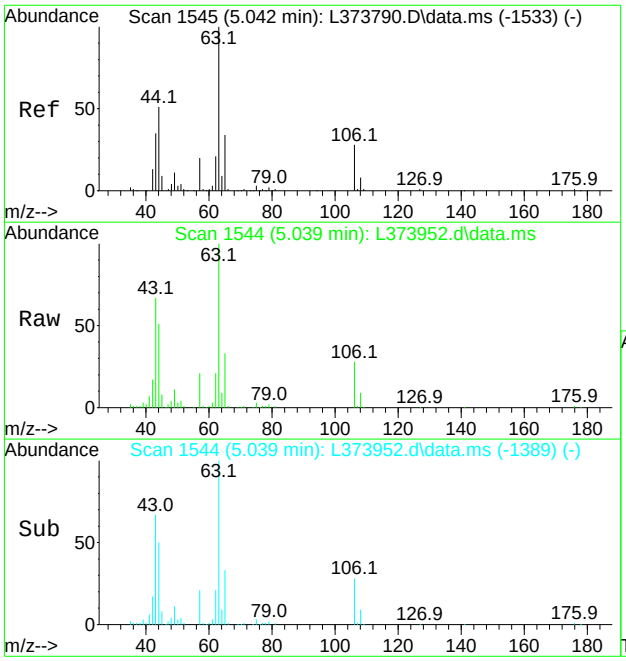


#61
2-nitropropane
Concen: 46.9726 ug/L
RT: 5.004 min Scan# 1533
Delta R.T. -0.000 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 41 Resp: 55598

Ion	Ratio	Lower	Upper
41	100		
39	37.1	10.0	70.0
43	118.8	77.9	137.9
46	7.9	0.0	36.7

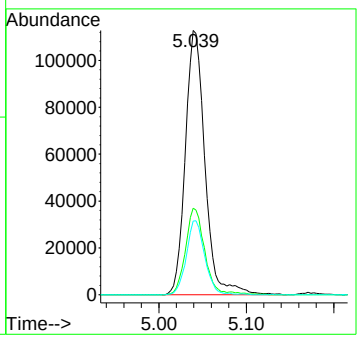


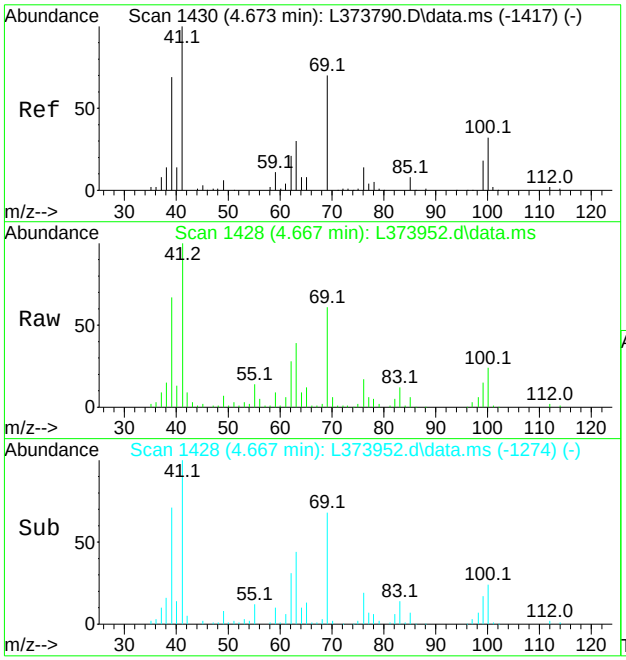


#62
2-chloroethyl vinyl ether
Concen: 229.9689 ug/L
RT: 5.039 min Scan# 1544
Delta R.T. -0.003 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 63 Resp: 176259

Ion	Ratio	Lower	Upper
63	100		
65	32.8	3.9	63.9
106	27.9	0.0	57.6

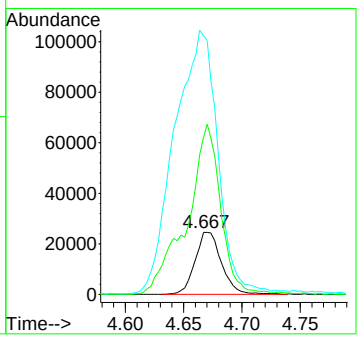


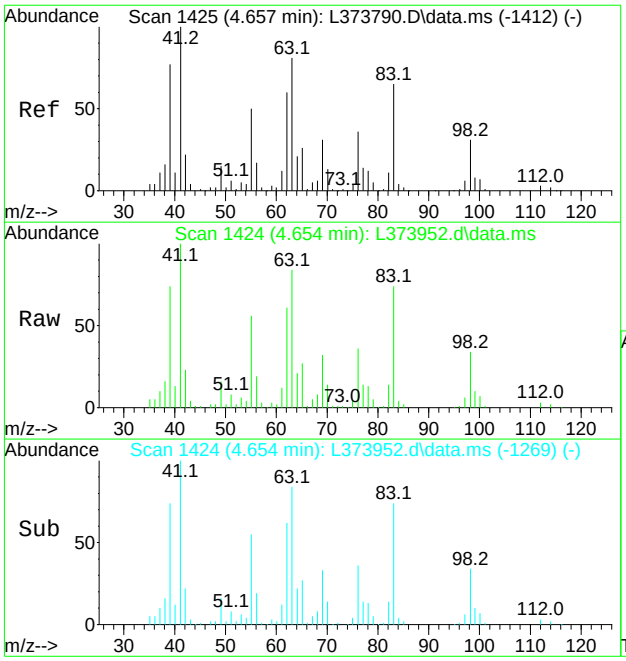


#63
methyl methacrylate
Concen: 52.5509 ug/L
RT: 4.667 min Scan# 1428
Delta R.T. -0.006 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion:100 Resp: 38828

Ion	Ratio	Lower	Upper
100	100		
69	251.3	221.2	281.2
41	411.1	360.4	420.4

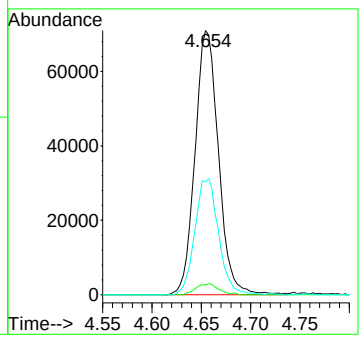


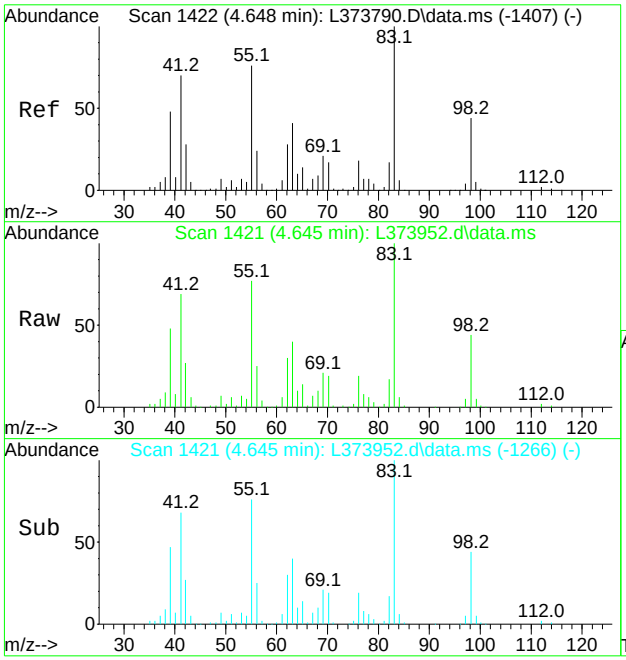


#64
1,2-dichloropropane
Concen: 52.0366 ug/L
RT: 4.654 min Scan# 1424
Delta R.T. -0.003 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 63 Resp: 117591

Ion	Ratio	Lower	Upper
63	100		
112	3.7	0.0	34.1
76	42.7	14.3	74.3

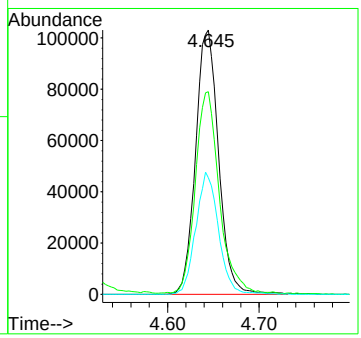


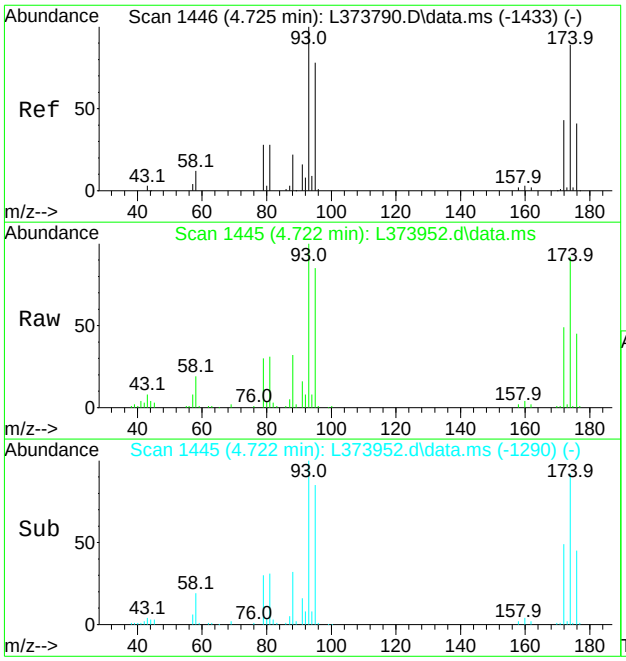


#65
methylcyclohexane
Concen: 58.9169 ug/L
RT: 4.645 min Scan# 1421
Delta R.T. -0.003 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 83 Resp: 180017

Ion	Ratio	Lower	Upper
83	100		
55	76.1	46.3	106.3
98	44.1	13.7	73.7

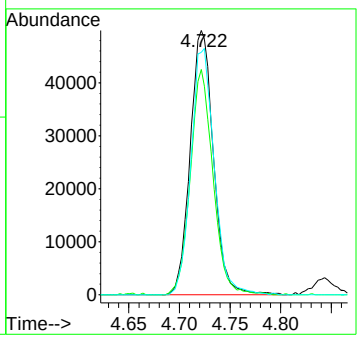


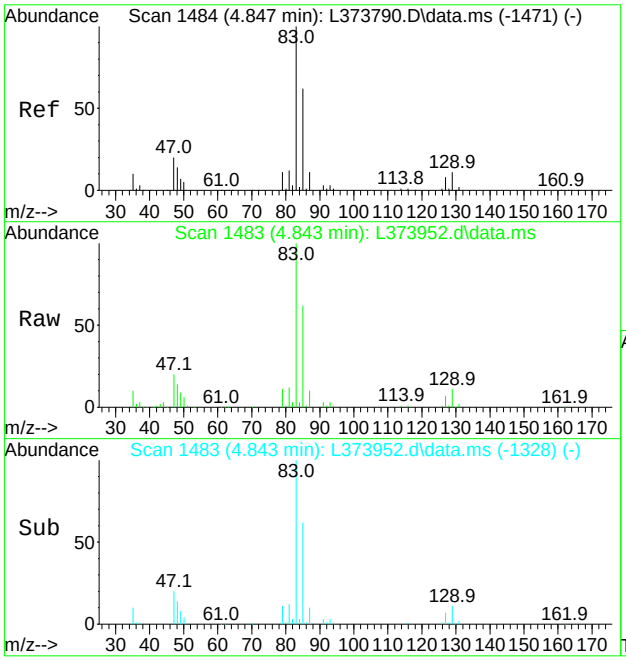


#66
dibromomethane
Concen: 51.3529 ug/L
RT: 4.722 min Scan# 1445
Delta R.T. -0.003 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 93 Resp: 79951

Ion	Ratio	Lower	Upper
93	100		
95	85.3	48.3	108.3
174	91.7	59.2	119.2

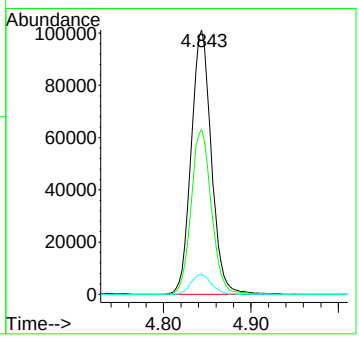


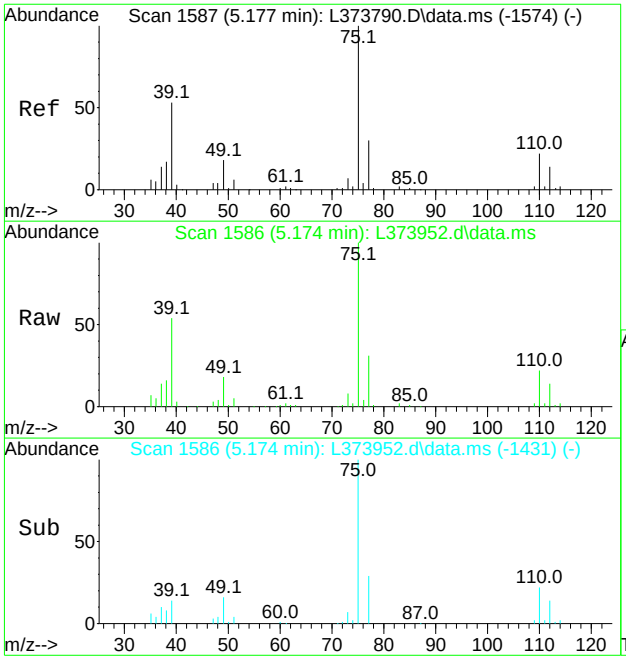


#67
bromodichloromethane
Concen: 50.4281 ug/L
RT: 4.843 min Scan# 1483
Delta R.T. -0.004 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 83 Resp: 162627

Ion	Ratio	Lower	Upper
83	100		
85	62.5	31.5	91.5
127	7.5	0.0	38.3

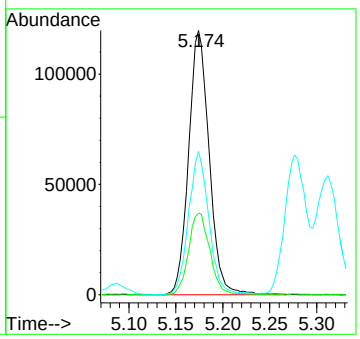


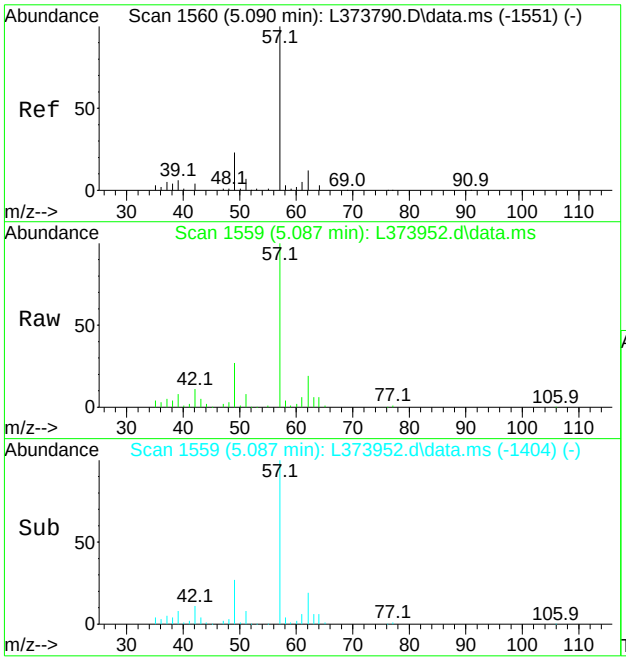


#68
cis-1,3-dichloropropene
Concen: 50.5764 ug/L
RT: 5.174 min Scan# 1586
Delta R.T. -0.003 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 75 Resp: 182835

Ion	Ratio	Lower	Upper
75	100		
77	30.8	0.1	60.1
39	54.3	23.1	83.1

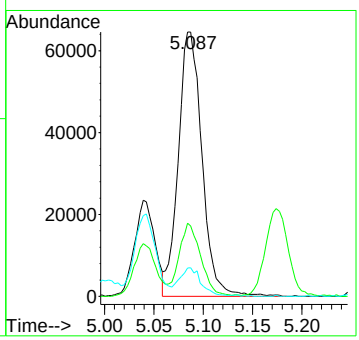


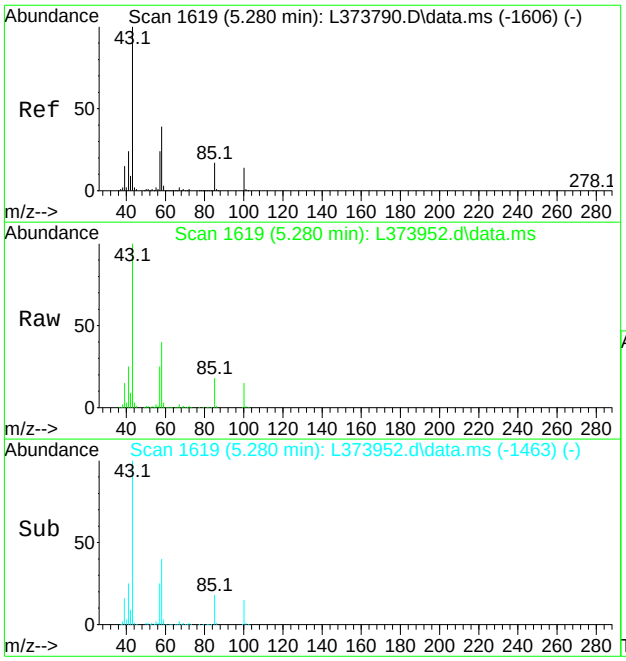


#69
epichlorohydrin
Concen: 234.5441 ug/L
RT: 5.087 min Scan# 1559
Delta R.T. -0.003 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 57 Resp: 108085

Ion	Ratio	Lower	Upper
57	100		
49	21.0	1.0	41.0
42	10.8	0.0	29.5

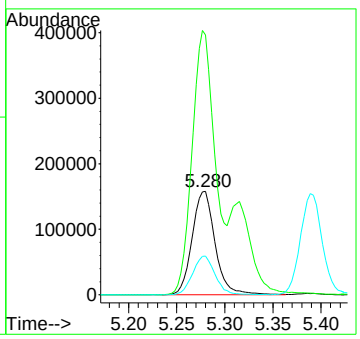


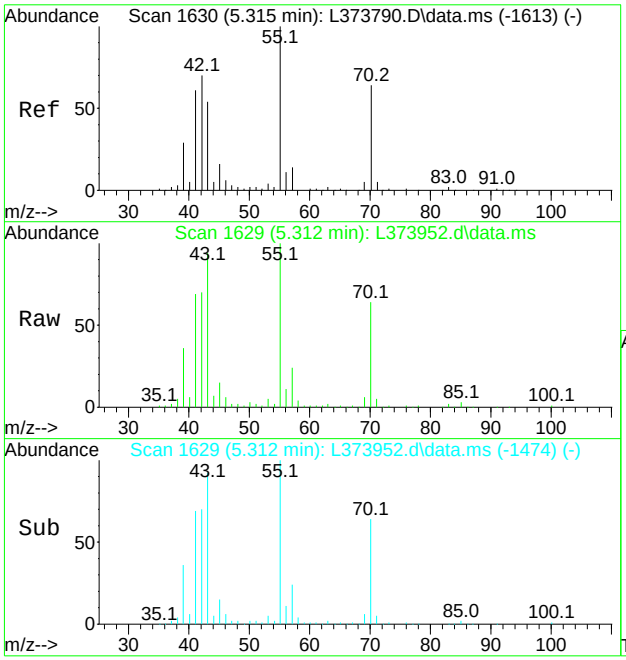


#70
4-methyl-2-pentanone
Concen: 185.2287 ug/L
RT: 5.280 min Scan# 1619
Delta R.T. -0.000 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 58 Resp: 263153

Ion	Ratio	Lower	Upper
58	100		
43	250.9	233.3	273.3
100	37.4	15.2	55.2

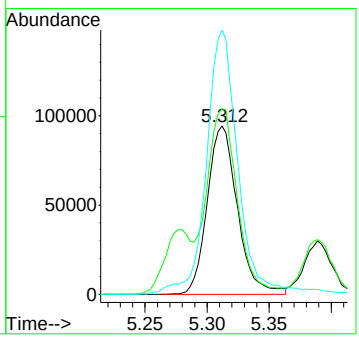


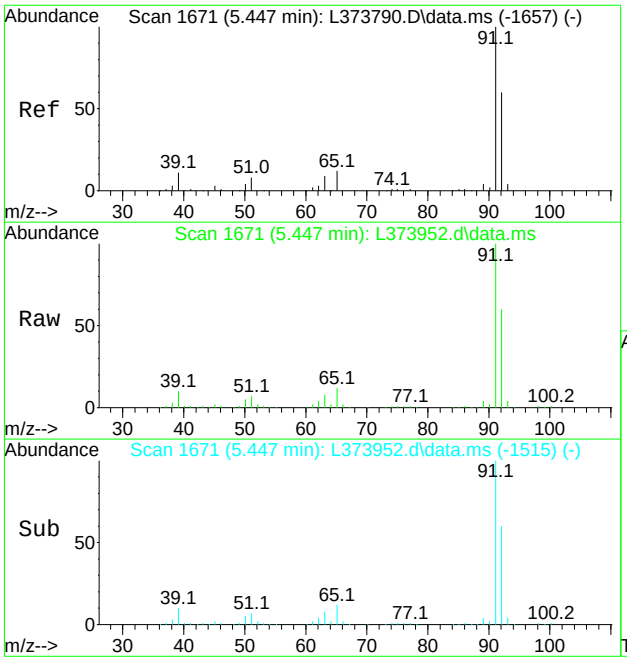


#71
3-methyl-1-butanol
Concen: 877.0951 ug/L
RT: 5.312 min Scan# 1629
Delta R.T. -0.003 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 70 Resp: 159503

Ion	Ratio	Lower	Upper
70	100		
42	106.0	94.2	134.2
55	153.7	137.5	177.5

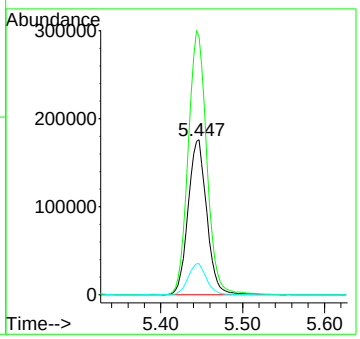


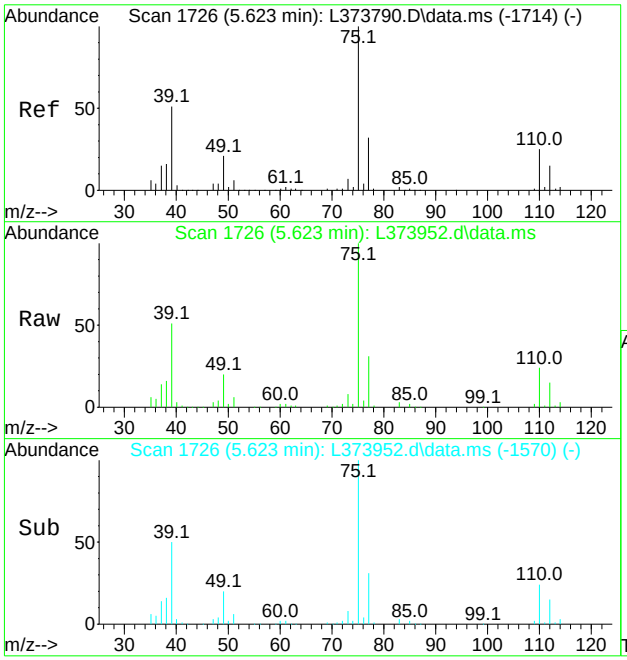


#74
toluene
Concen: 52.8270 ug/L
RT: 5.447 min Scan# 1671
Delta R.T. -0.000 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 92 Resp: 279097

Ion	Ratio	Lower	Upper
92	100		
91	166.5	136.7	196.7
65	20.0	0.0	50.8

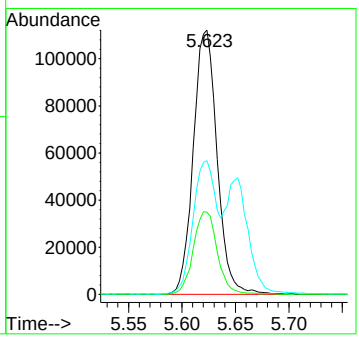


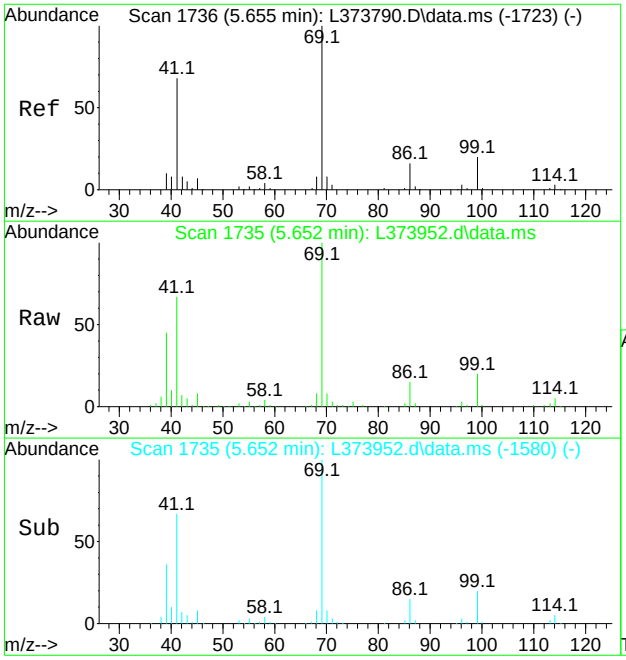


#75
trans-1,3-dichloropropene
Concen: 52.7514 ug/L
RT: 5.623 min Scan# 1726
Delta R.T. 0.000 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 75 Resp: 173766

Ion	Ratio	Lower	Upper
75	100		
77	31.0	1.7	61.7
39	50.3	20.7	80.7

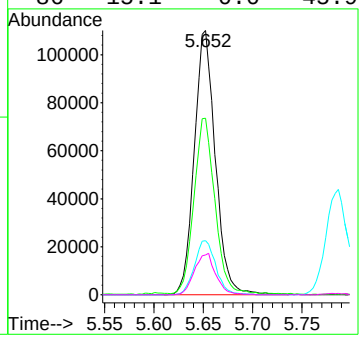


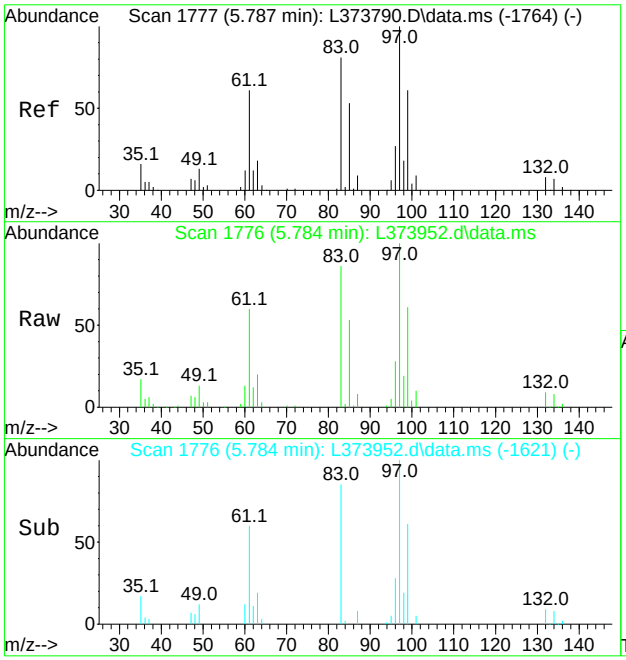


#76
ethyl methacrylate
Concen: 49.2366 ug/L
RT: 5.652 min Scan# 1735
Delta R.T. -0.003 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 69 Resp: 163874

Ion	Ratio	Lower	Upper
69	100		
41	66.4	38.9	98.9
99	20.5	0.0	50.4
86	15.1	0.0	45.9

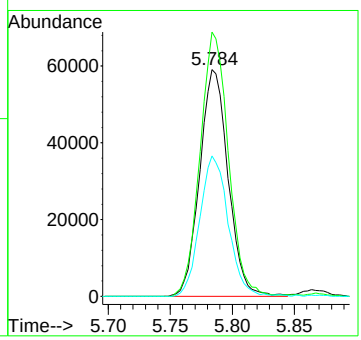


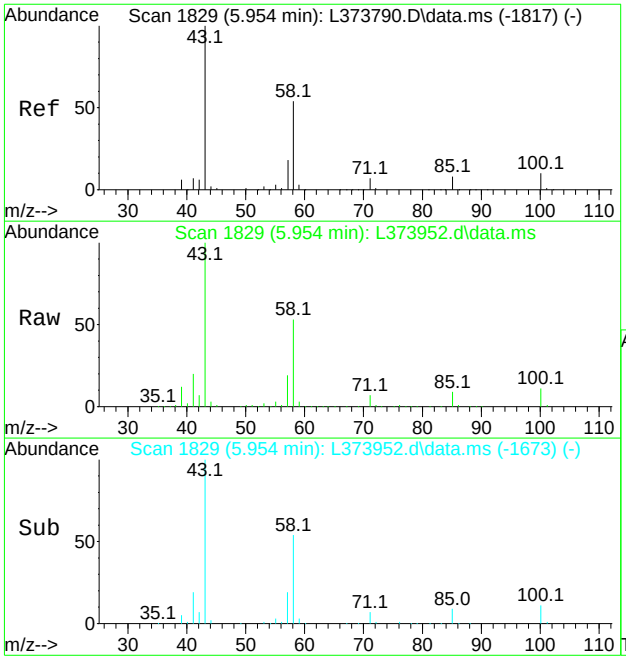


#77
1,1,2-trichloroethane
Concen: 53.8471 ug/L
RT: 5.784 min Scan# 1776
Delta R.T. -0.003 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 83 Resp: 94321

Ion	Ratio	Lower	Upper
83	100		
97	116.6	93.6	153.6
85	61.9	35.4	95.4

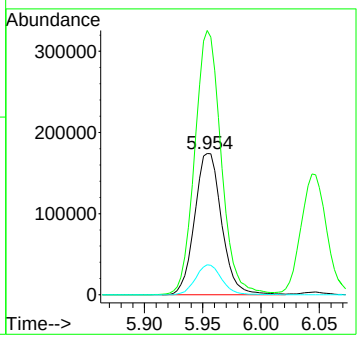


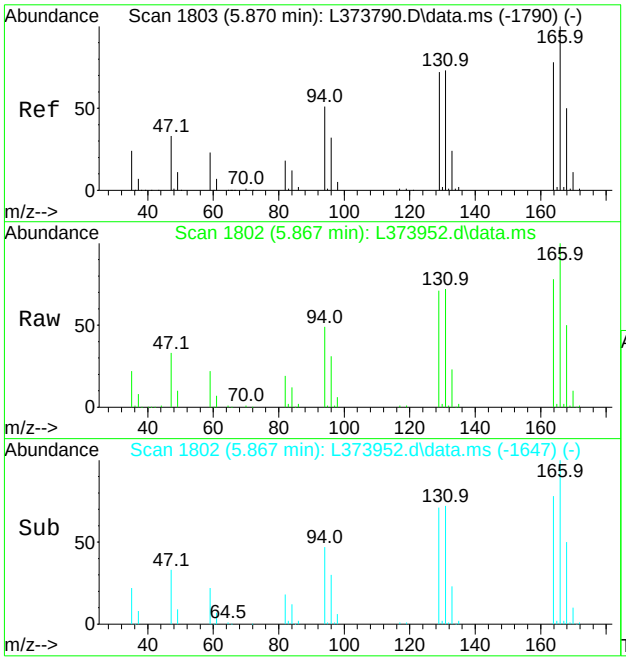


#78
2-hexanone
Concen: 187.0743 ug/L
RT: 5.954 min Scan# 1829
Delta R.T. -0.000 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 58 Resp: 280869

Ion	Ratio	Lower	Upper
58	100		
43	186.8	154.6	214.6
100	21.3	0.0	49.0

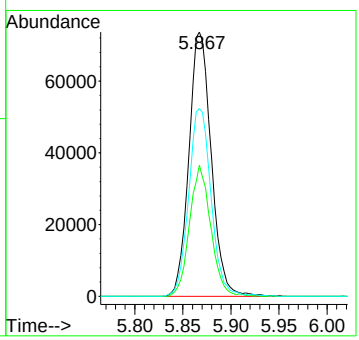


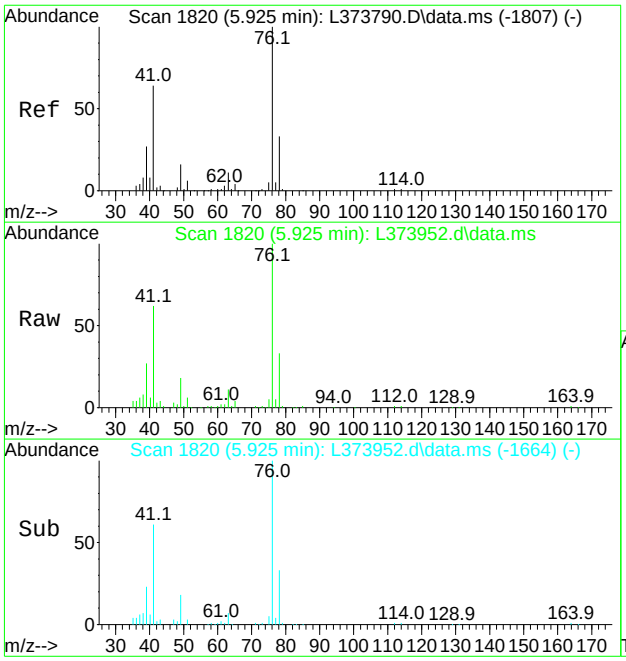


#79
tetrachloroethene
Concen: 56.2745 ug/L
RT: 5.867 min Scan# 1802
Delta R.T. -0.003 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion:166 Resp: 119421

Ion	Ratio	Lower	Upper
166	100		
168	49.6	19.7	79.7
129	71.0	42.4	102.4

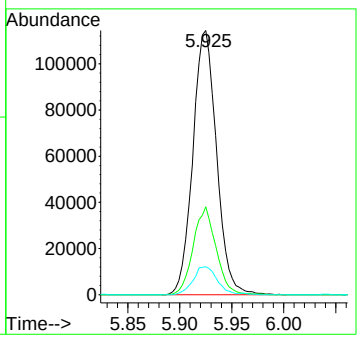


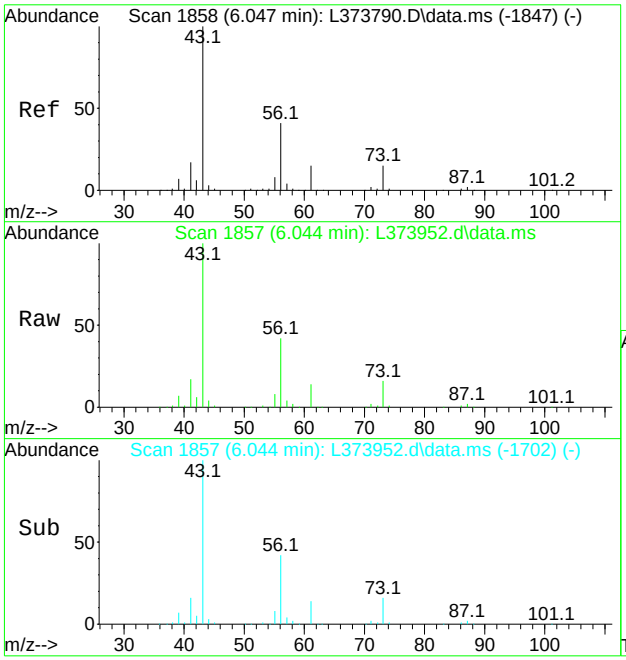


#80
1,3-dichloropropane
Concen: 53.9433 ug/L
RT: 5.925 min Scan# 1820
Delta R.T. -0.000 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 76 Resp: 182102

Ion	Ratio	Lower	Upper
76	100		
78	33.3	2.7	62.7
63	10.6	0.0	41.2

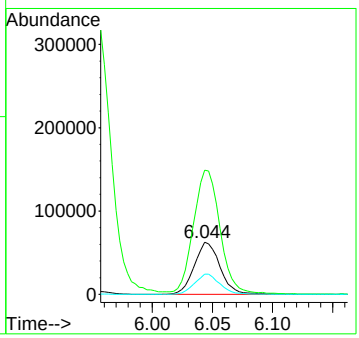


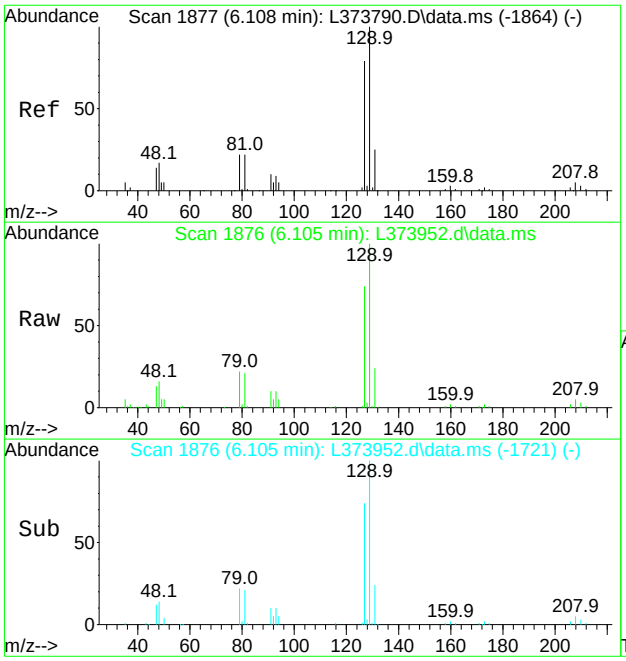


#81
butyl acetate
Concen: 47.2534 ug/L
RT: 6.044 min Scan# 1857
Delta R.T. -0.003 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 56 Resp: 93485

Ion	Ratio	Lower	Upper
56	100		
43	236.8	218.3	278.3
73	38.8	7.2	67.2

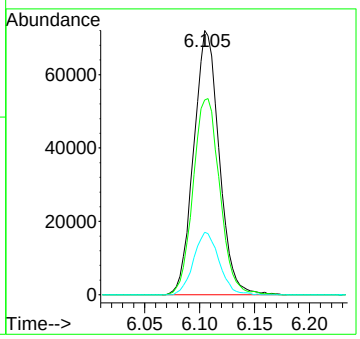


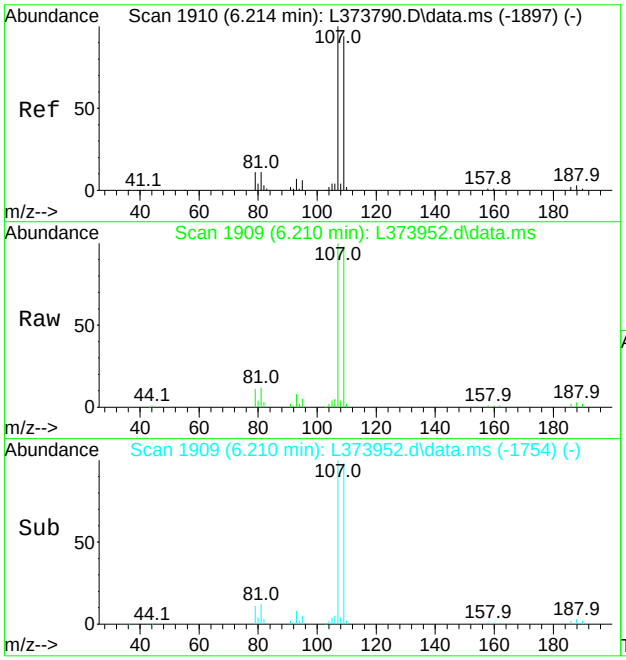


#82
dibromochloromethane
Concen: 51.4036 ug/L
RT: 6.105 min Scan# 1876
Delta R.T. -0.003 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion:129 Resp: 116133

Ion	Ratio	Lower	Upper
129	100		
127	73.6	49.0	109.0
131	23.6	0.0	54.6

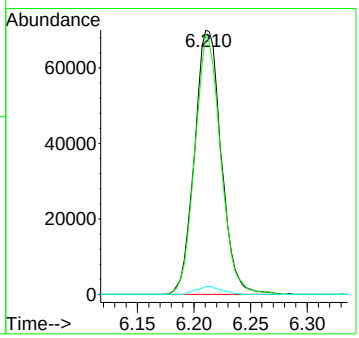


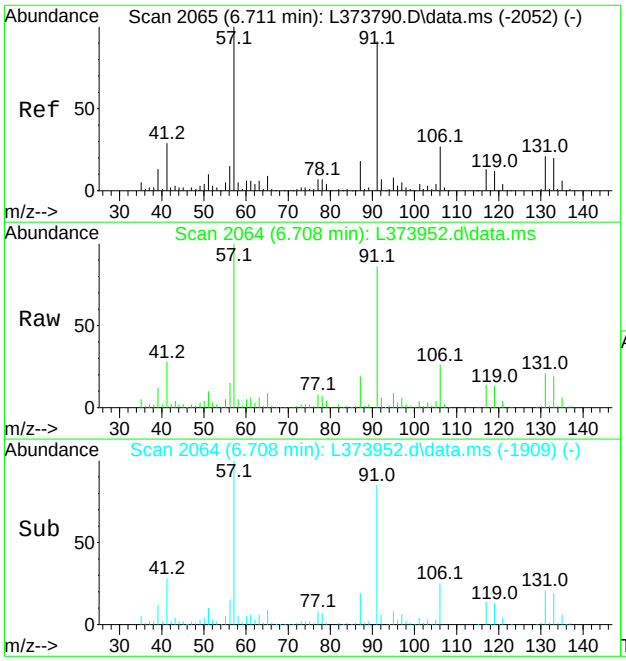


#83
1,2-dibromoethane
Concen: 53.9435 ug/L
RT: 6.210 min Scan# 1909
Delta R.T. -0.004 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion:107 Resp: 114801

Ion	Ratio	Lower	Upper
107	100		
109	98.4	63.9	123.9
188	3.0	0.0	33.4

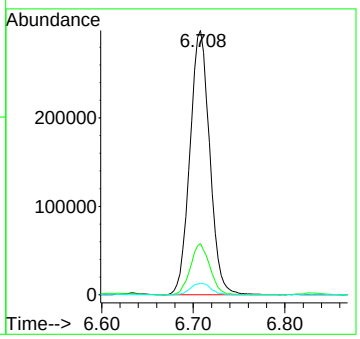


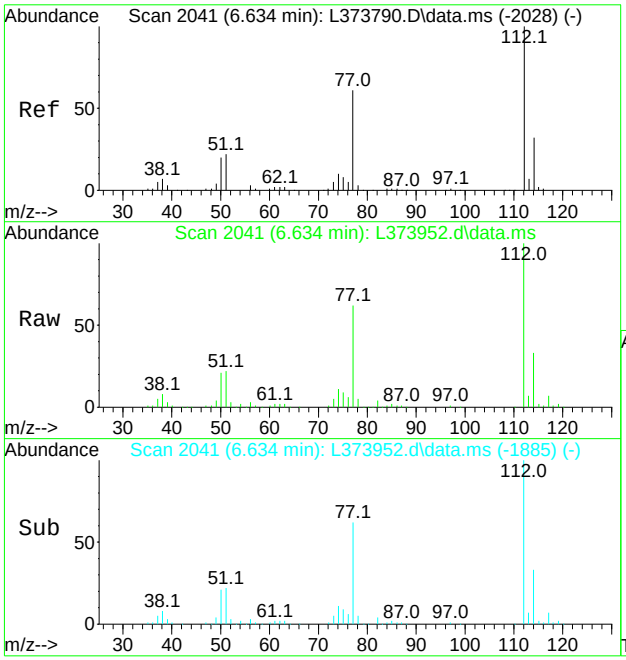


#84
n-butyl ether
Concen: 50.3203 ug/L
RT: 6.708 min Scan# 2064
Delta R.T. -0.003 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 57 Resp: 447521

Ion	Ratio	Lower	Upper
57	100		
87	19.4	0.0	47.8
101	4.4	0.0	34.2

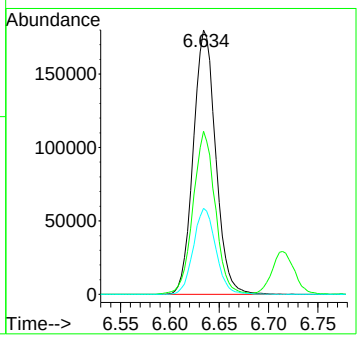


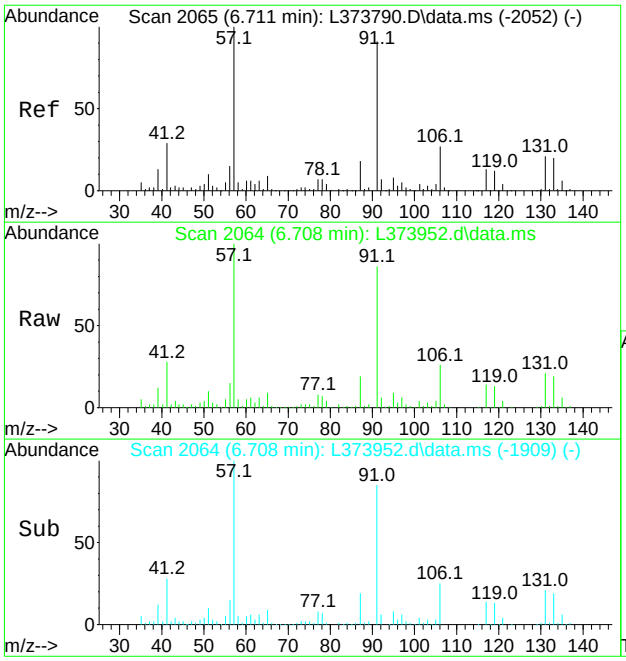


#85
chlorobenzene
Concen: 51.3167 ug/L
RT: 6.634 min Scan# 2041
Delta R.T. 0.000 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion:112 Resp: 284665

Ion	Ratio	Lower	Upper
112	100		
77	61.4	30.8	90.8
114	32.6	2.4	62.4

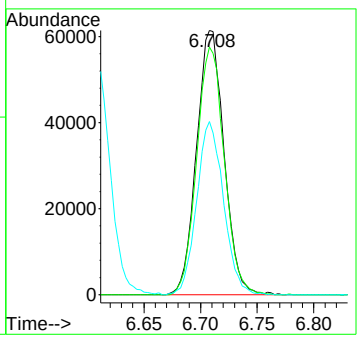


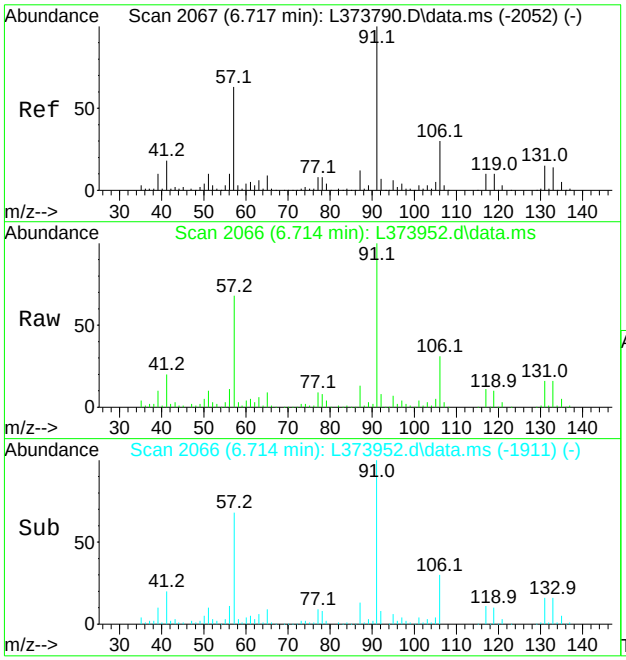


#86
1,1,1,2-tetrachloroethane
Concen: 55.2050 ug/L
RT: 6.708 min Scan# 2064
Delta R.T. -0.003 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion:131 Resp: 103630

Ion	Ratio	Lower	Upper
131	100		
133	93.7	65.1	125.1
119	65.5	30.8	90.8

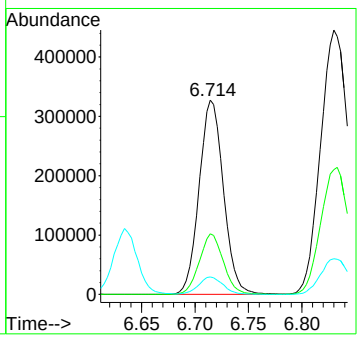


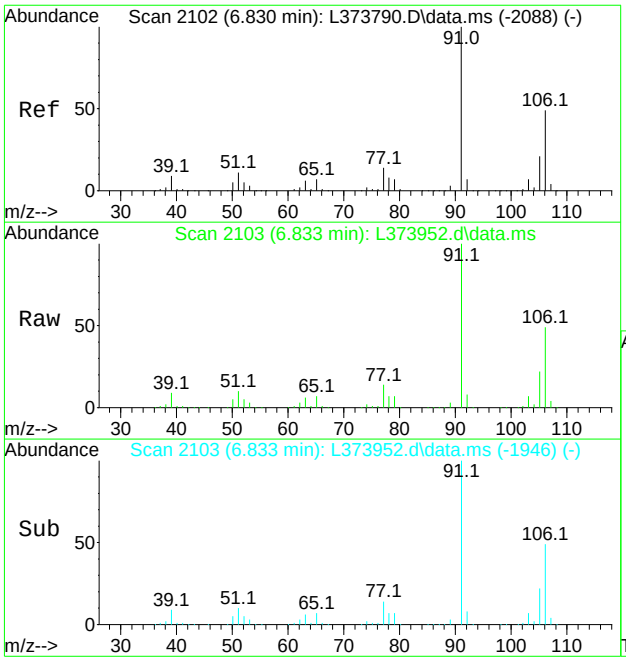


#87
ethylbenzene
Concen: 53.5696 ug/L
RT: 6.714 min Scan# 2066
Delta R.T. -0.003 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 91 Resp: 518456

Ion	Ratio	Lower	Upper
91	100		
106	31.2	0.1	60.1
77	8.9	0.0	38.6

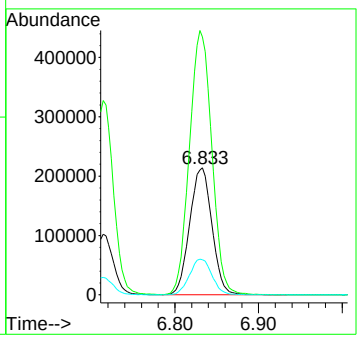


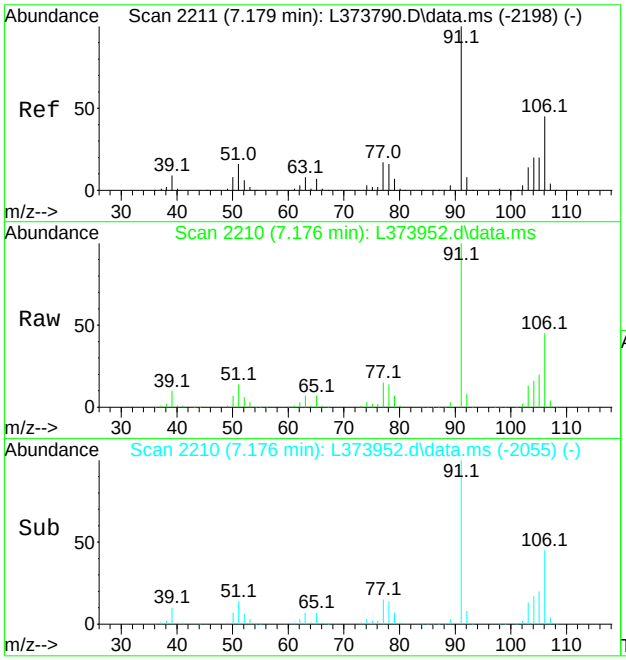


#88
m,p-xylene
Concen: 106.3727 ug/L
RT: 6.833 min Scan# 2103
Delta R.T. 0.003 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion:106 Resp: 396480

Ion	Ratio	Lower	Upper
106	100		
91	202.8	175.7	235.7
77	27.6	8.1	48.1

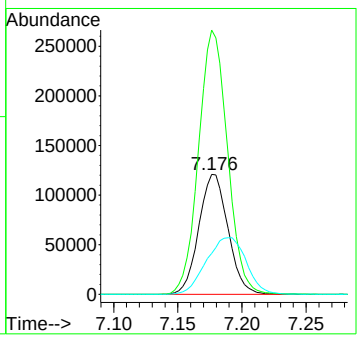


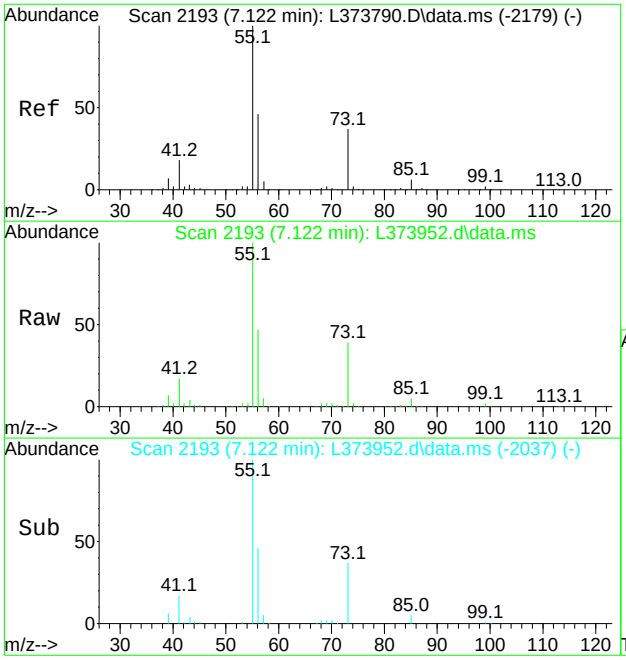


#89
o-xylene
Concen: 52.7558 ug/L
RT: 7.176 min Scan# 2210
Delta R.T. -0.003 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion:106 Resp: 192271

Ion	Ratio	Lower	Upper
106	100		
91	220.3	194.5	254.5
77	34.1	18.1	58.1

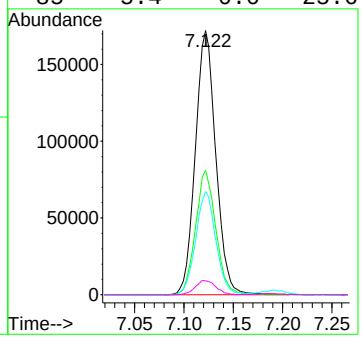


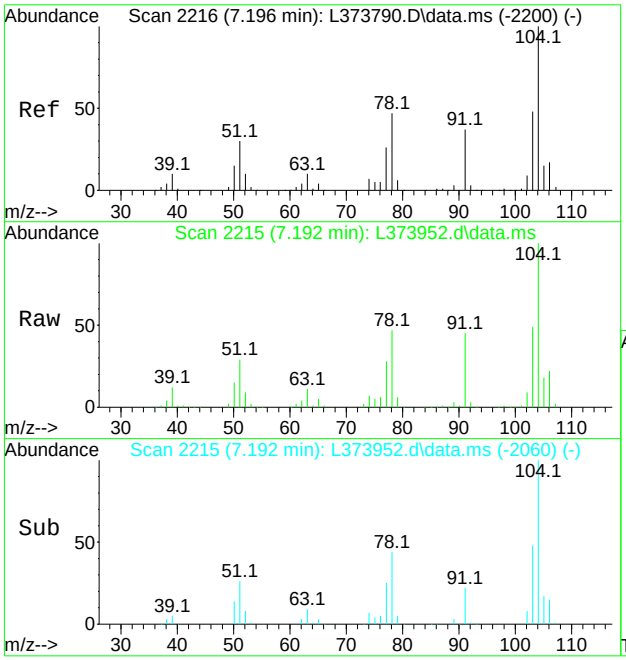


#90
butyl acrylate
Concen: 46.6839 ug/L
RT: 7.122 min Scan# 2193
Delta R.T. -0.000 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 55 Resp: 248873

Ion	Ratio	Lower	Upper
55	100		
56	47.2	26.3	66.3
73	39.2	17.5	57.5
85	5.4	0.0	25.6

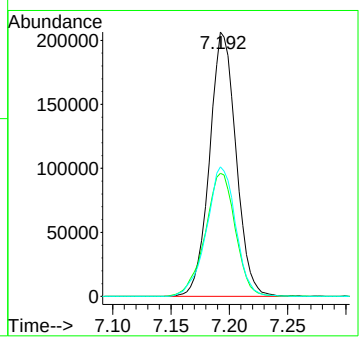


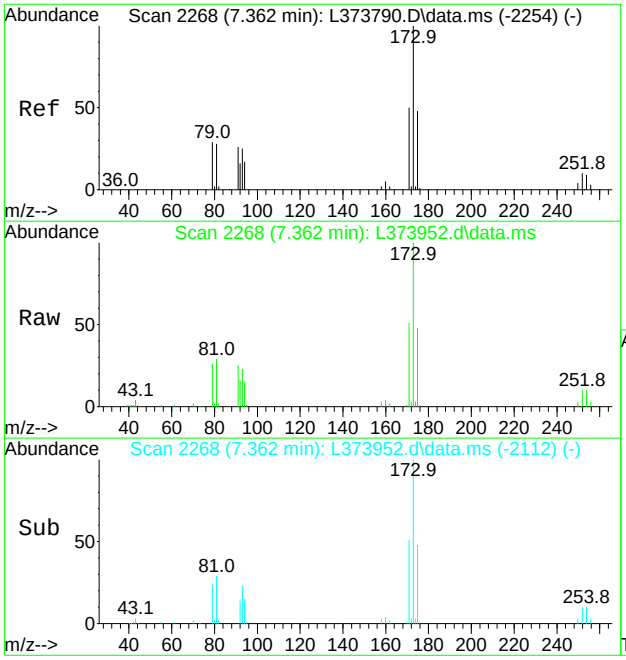


#91
styrene
Concen: 53.4603 ug/L
RT: 7.192 min Scan# 2215
Delta R.T. -0.004 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion:104 Resp: 326694

Ion	Ratio	Lower	Upper
104	100		
78	46.5	16.8	76.8
103	48.9	17.7	77.7

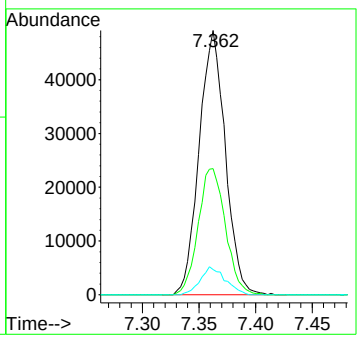


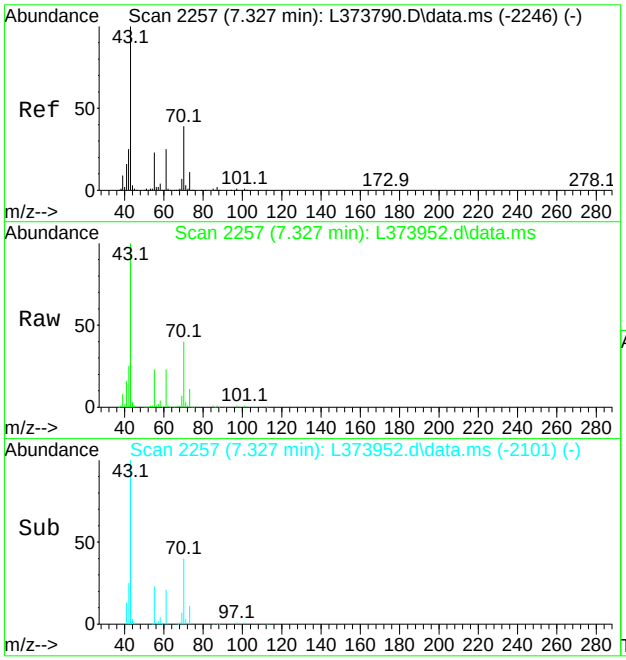


#92
bromoform
Concen: 49.0769 ug/L
RT: 7.362 min Scan# 2268
Delta R.T. 0.000 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion:173 Resp: 78798

Ion	Ratio	Lower	Upper
173	100		
175	47.8	17.8	77.8
254	9.5	0.0	39.4

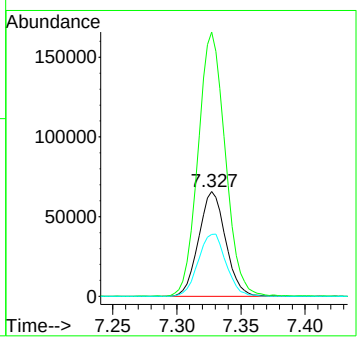


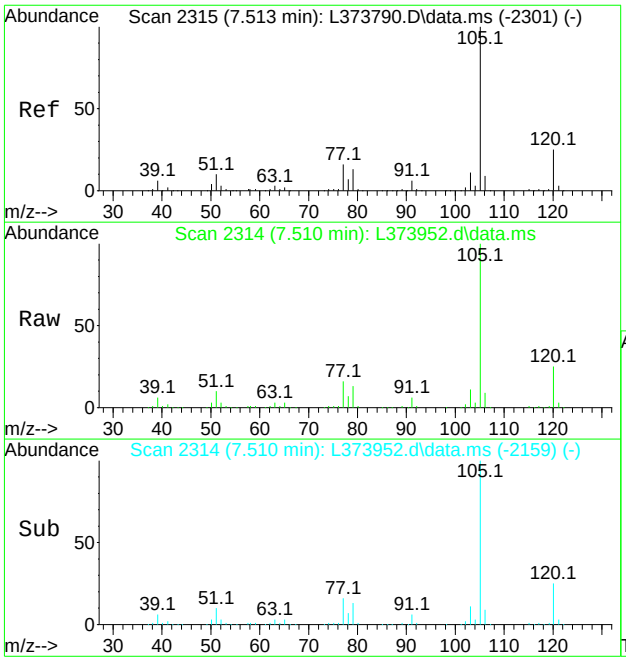


#93
n-amyl acetate
Concen: 48.2860 ug/L
RT: 7.327 min Scan# 2257
Delta R.T. 0.000 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 70 Resp: 96334

Ion	Ratio	Lower	Upper
70	100		
43	252.0	233.4	273.4
61	59.0	42.6	82.6

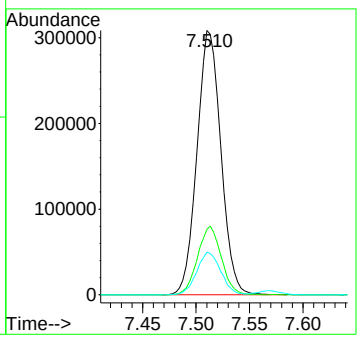


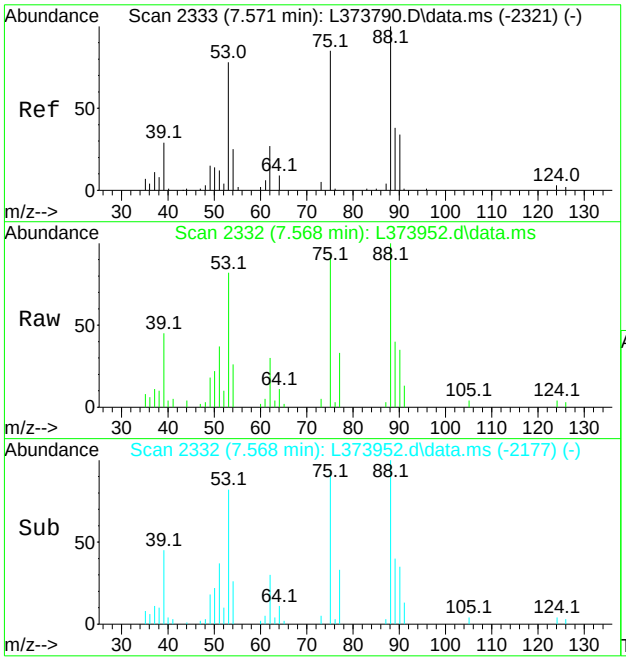


#94
isopropylbenzene
Concen: 54.5622 ug/L
RT: 7.510 min Scan# 2314
Delta R.T. -0.003 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion:105 Resp: 479961

Ion	Ratio	Lower	Upper
105	100		
120	24.8	5.2	45.2
77	16.1	0.0	36.2

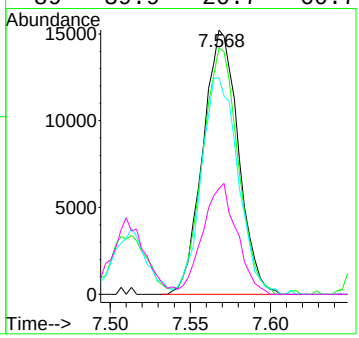


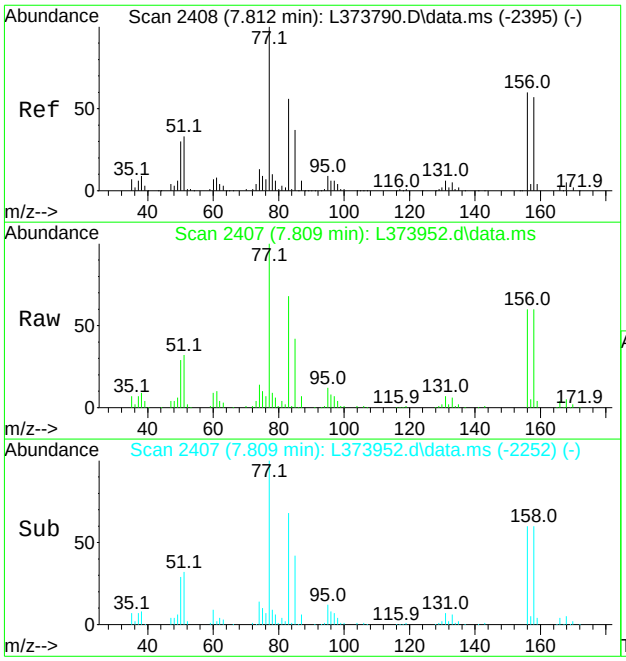


#95
cis-1,4-dichloro-2-butene
Concen: 31.3253 ug/L
RT: 7.568 min Scan# 2332
Delta R.T. -0.003 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 88 Resp: 23458

Ion	Ratio	Lower	Upper
88	100		
75	93.2	66.5	106.5
53	81.9	59.7	99.7
89	39.9	20.7	60.7

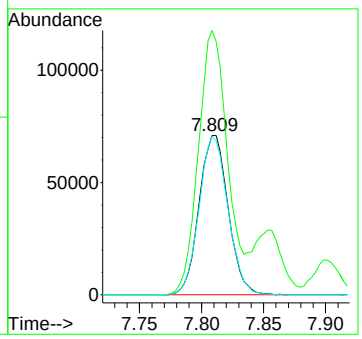


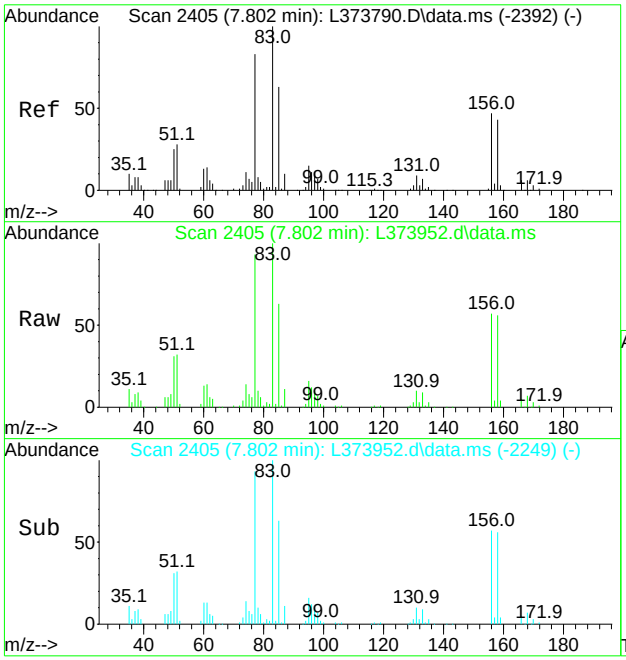


#98
bromobenzene
Concen: 50.4068 ug/L
RT: 7.809 min Scan# 2407
Delta R.T. -0.003 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion:156 Resp: 115901

Ion	Ratio	Lower	Upper
156	100		
77	166.0	137.0	197.0
158	99.4	65.5	125.5

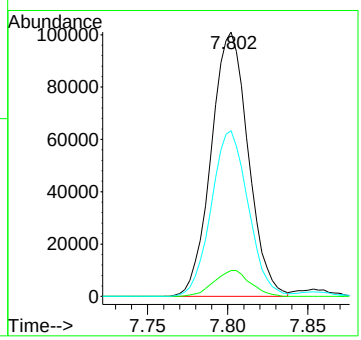


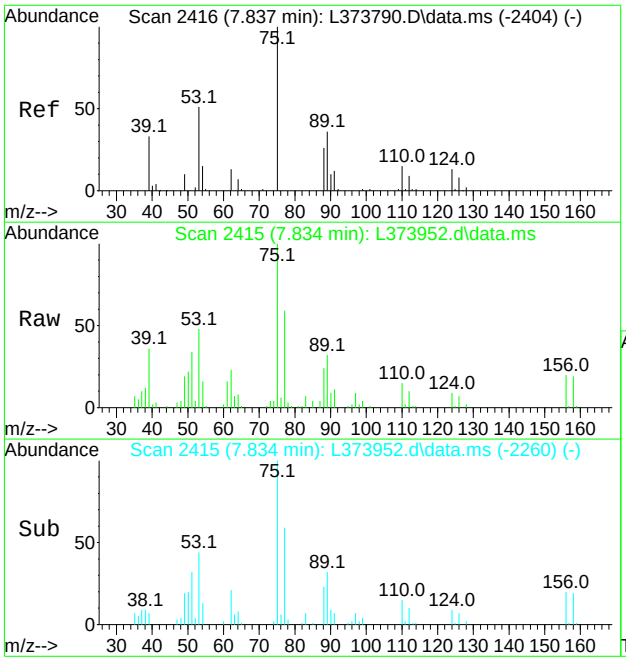


#99
1,1,2,2-tetrachloroethane
Concen: 46.5167 ug/L
RT: 7.802 min Scan# 2405
Delta R.T. 0.000 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 83 Resp: 162030

Ion	Ratio	Lower	Upper
83	100		
131	9.8	0.0	38.9
85	62.6	33.3	93.3

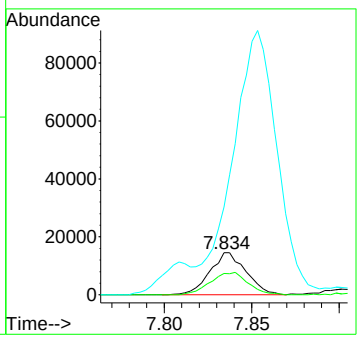


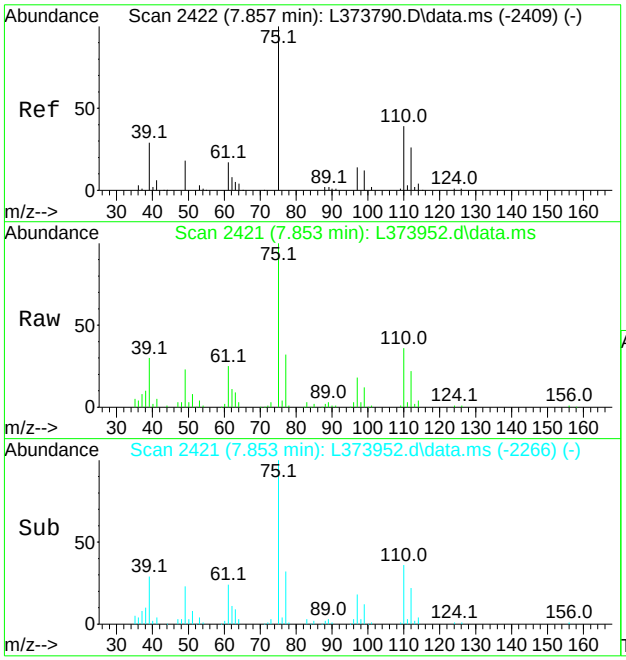


#100
trans-1,4-dichloro-2-butene
Concen: 30.0160 ug/L
RT: 7.834 min Scan# 2415
Delta R.T. -0.003 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 53 Resp: 20958

Ion	Ratio	Lower	Upper
53	100		
88	50.9	21.0	81.0
75	162.3	165.8	225.8#

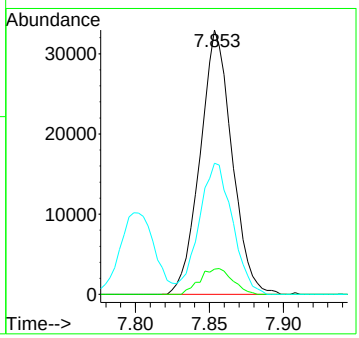


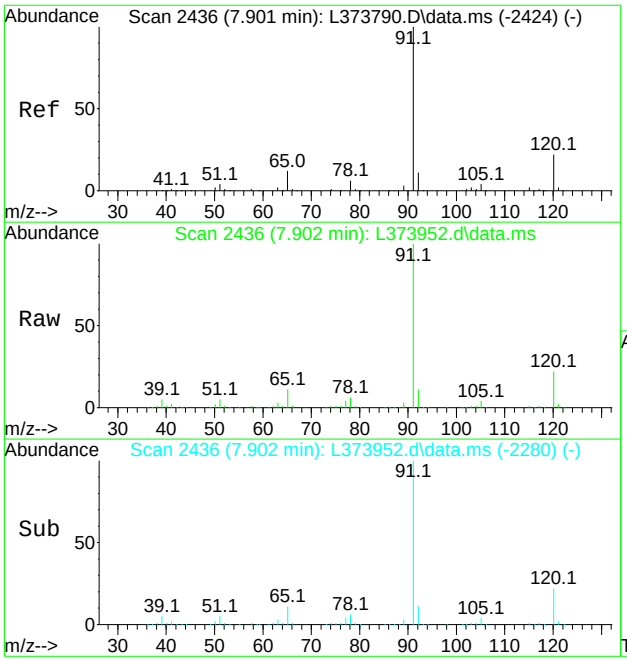


#101
1,2,3-trichloropropane
Concen: 47.3278 ug/L
RT: 7.853 min Scan# 2421
Delta R.T. -0.004 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion:110 Resp: 49264

Ion	Ratio	Lower	Upper
110	100		
111	9.6	0.0	38.4
97	49.6	22.5	82.5

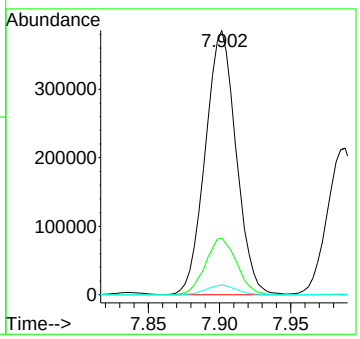


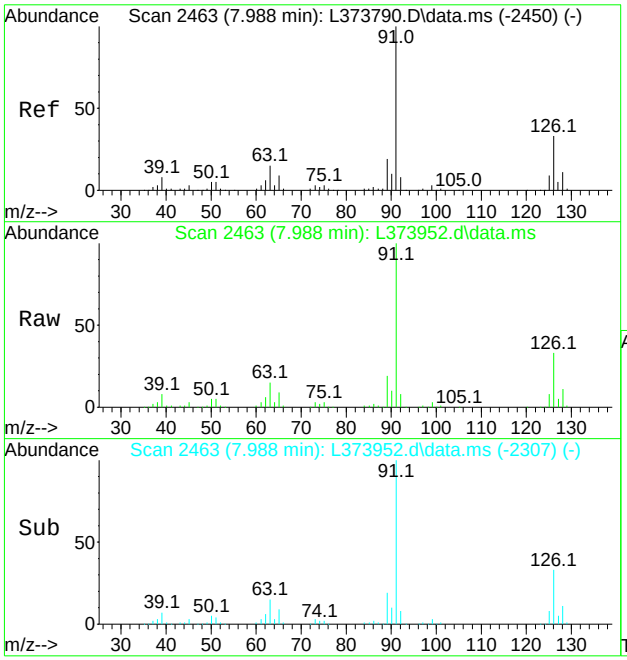


#102
n-propylbenzene
Concen: 52.2640 ug/L
RT: 7.902 min Scan# 2436
Delta R.T. 0.001 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 91 Resp: 580790

Ion	Ratio	Lower	Upper
91	100		
120	21.6	0.0	51.5
105	3.8	0.0	33.7

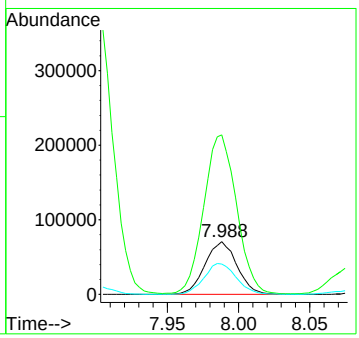


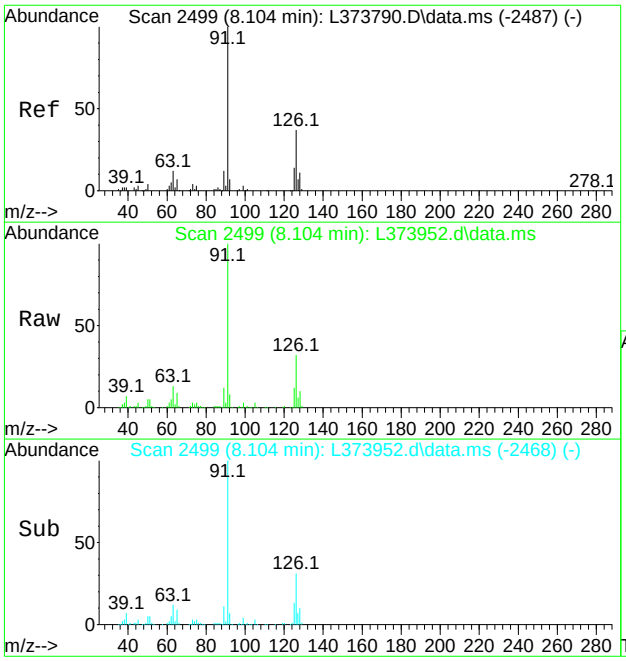


#103
2-chlorotoluene
Concen: 51.1736 ug/L
RT: 7.988 min Scan# 2463
Delta R.T. 0.000 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion:126 Resp: 110355

Ion	Ratio	Lower	Upper
126	100		
91	300.7	276.4	336.4
89	57.5	28.8	88.8

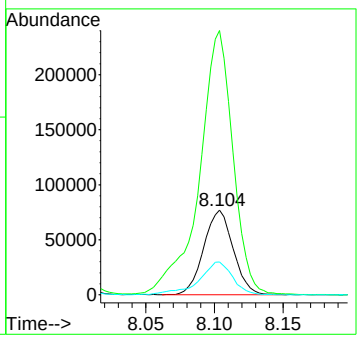


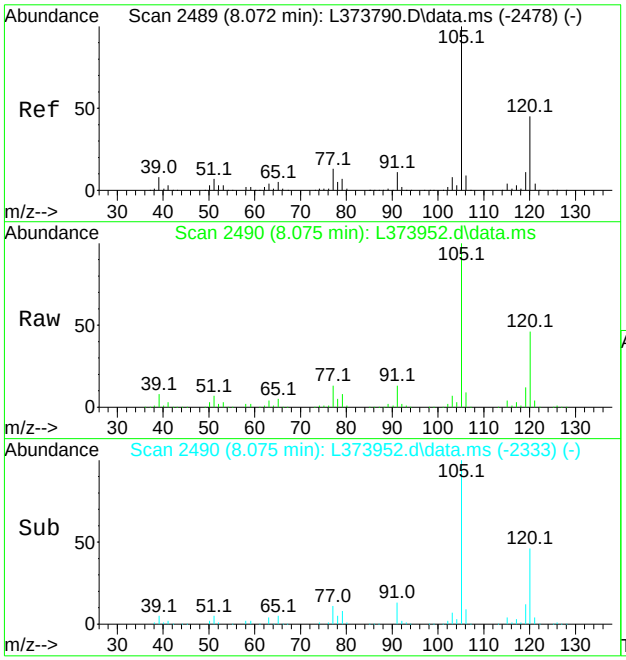


#104
4-chlorotoluene
Concen: 50.2108 ug/L
RT: 8.104 min Scan# 2499
Delta R.T. -0.000 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion:126 Resp: 114846

Ion	Ratio	Lower	Upper
126	100		
91	311.7	265.5	325.5
89	38.7	5.5	65.5

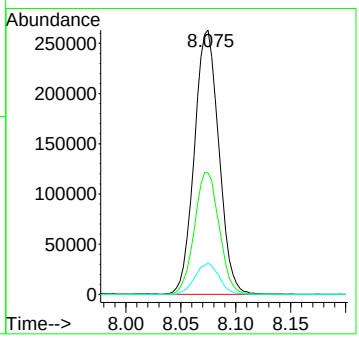


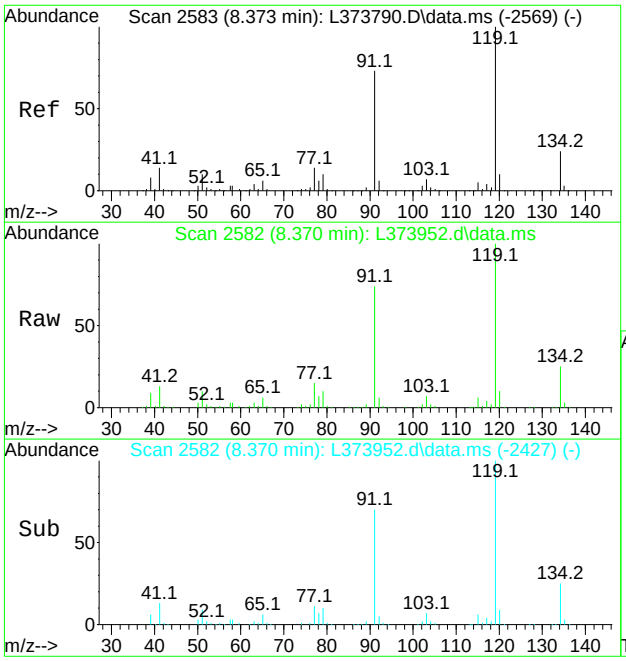


#105
1,3,5-trimethylbenzene
Concen: 52.8655 ug/L
RT: 8.075 min Scan# 2490
Delta R.T. 0.003 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion:105 Resp: 408922

Ion	Ratio	Lower	Upper
105	100		
120	46.0	14.9	74.9
119	11.9	0.0	40.8

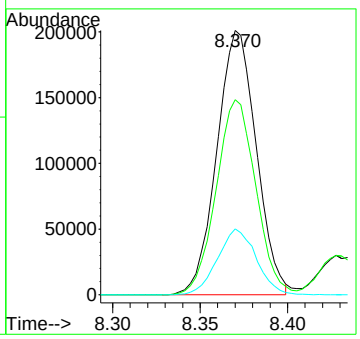


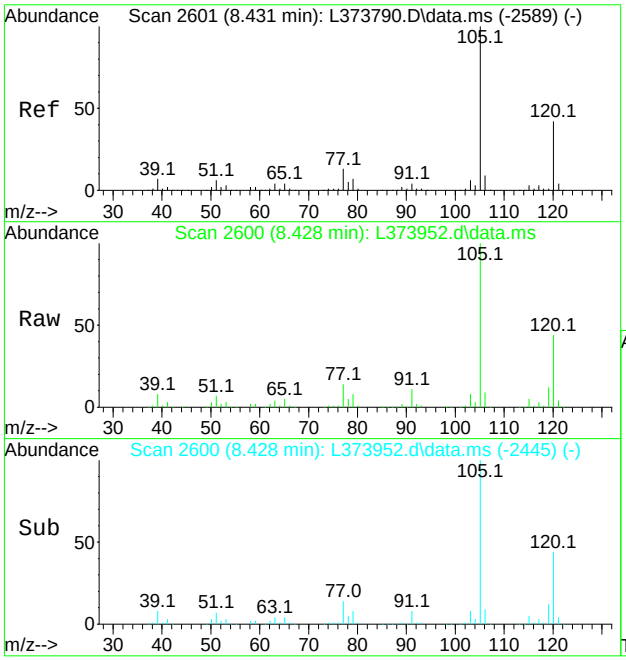


#106
tert-butylbenzene
Concen: 51.7166 ug/L
RT: 8.370 min Scan# 2582
Delta R.T. -0.003 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion:119 Resp: 315555

Ion	Ratio	Lower	Upper
119	100		
91	73.8	42.9	102.9
134	25.0	0.0	54.4

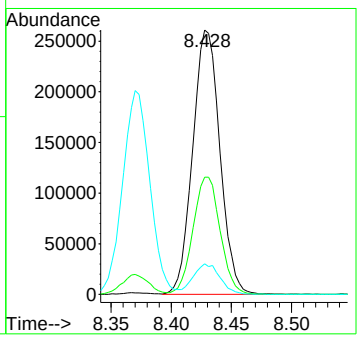


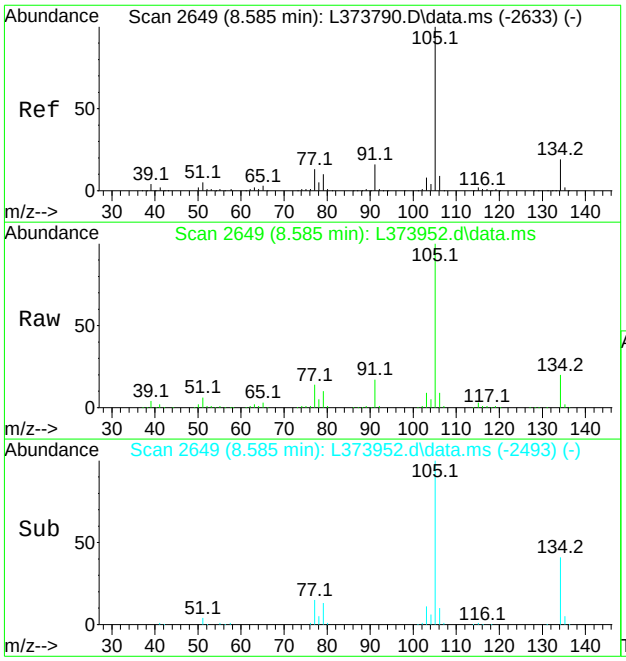


#107
1,2,4-trimethylbenzene
Concen: 52.5673 ug/L
RT: 8.428 min Scan# 2600
Delta R.T. -0.003 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion:105 Resp: 410740

Ion	Ratio	Lower	Upper
105	100		
120	44.3	13.1	73.1
119	11.5	0.0	41.9

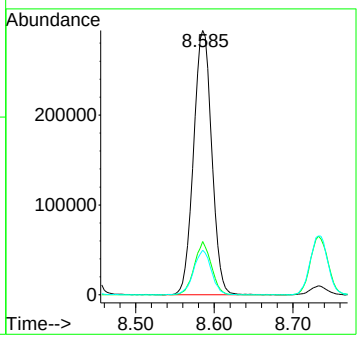


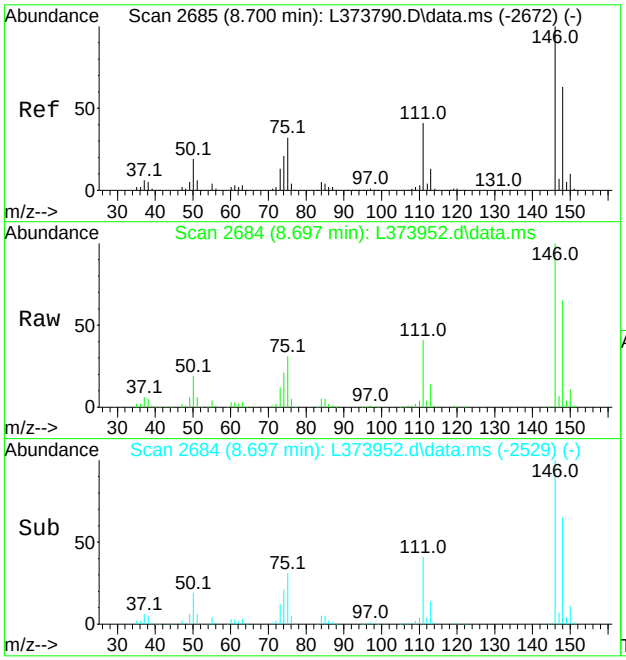


#108
sec-butylbenzene
Concen: 53.3502 ug/L
RT: 8.585 min Scan# 2649
Delta R.T. 0.000 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion:105 Resp: 472565

Ion	Ratio	Lower	Upper
105	100		
134	20.1	0.0	48.8
91	16.9	0.0	45.9

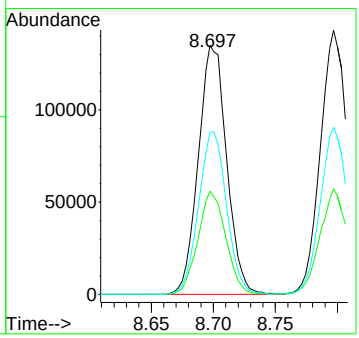


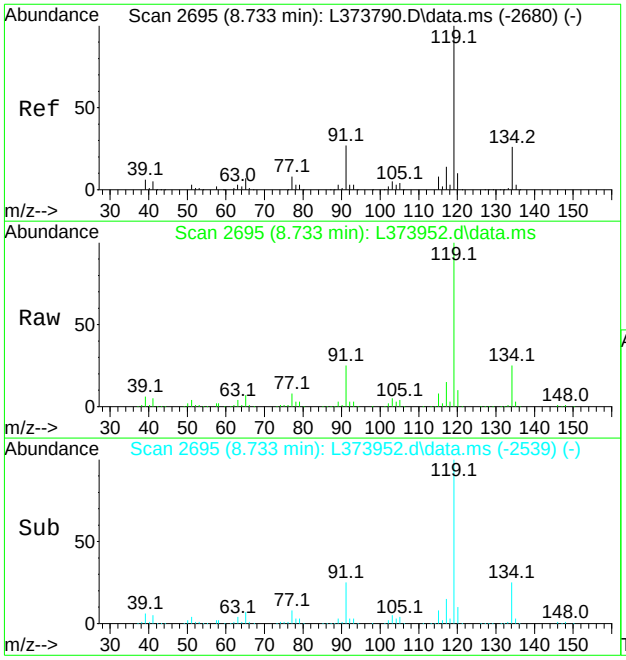


#109
1,3-dichlorobenzene
Concen: 50.4595 ug/L
RT: 8.697 min Scan# 2684
Delta R.T. -0.003 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion:146 Resp: 214565

Ion	Ratio	Lower	Upper
146	100		
111	41.5	11.0	71.0
148	65.0	33.0	93.0

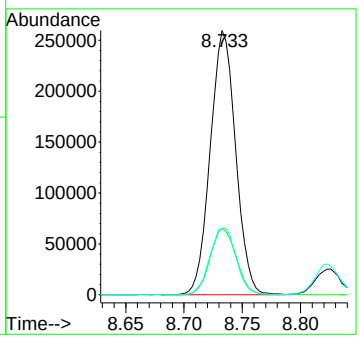


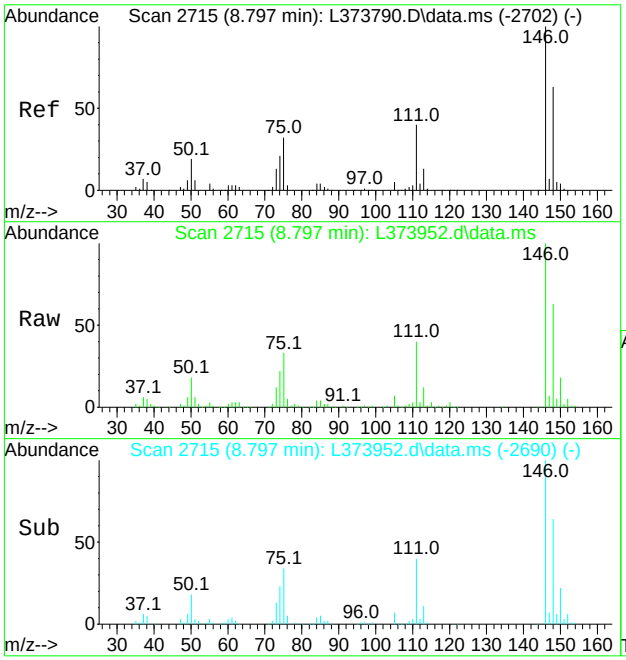


#110
p-isopropyltoluene
Concen: 53.8065 ug/L
RT: 8.733 min Scan# 2695
Delta R.T. -0.000 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion:119 Resp: 394023

Ion	Ratio	Lower	Upper
119	100		
134	25.1	0.0	56.5
91	25.3	0.0	56.9

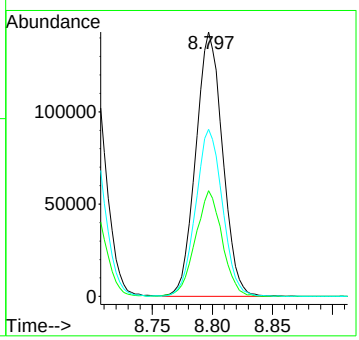


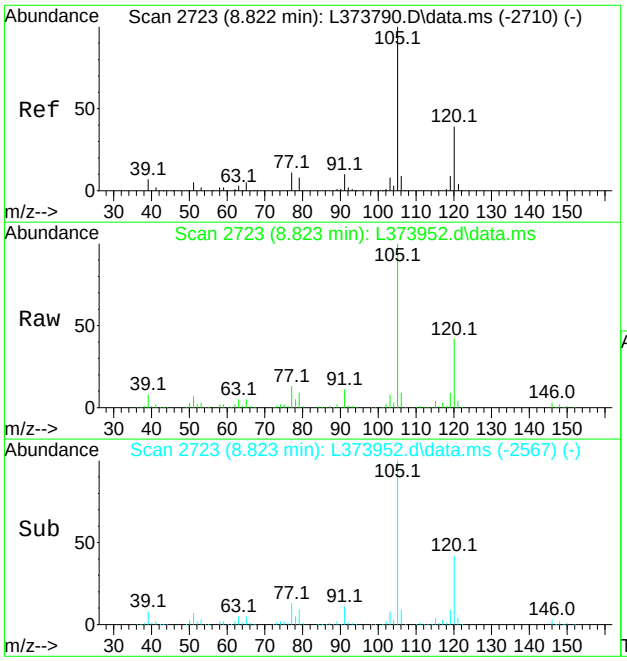


#111
1,4-dichlorobenzene
Concen: 50.7034 ug/L
RT: 8.797 min Scan# 2715
Delta R.T. -0.000 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion:146 Resp: 222729

Ion	Ratio	Lower	Upper
146	100		
111	39.9	9.7	69.7
148	63.2	33.0	93.0

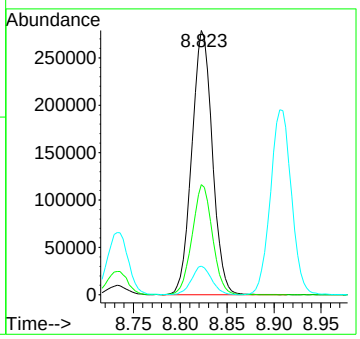


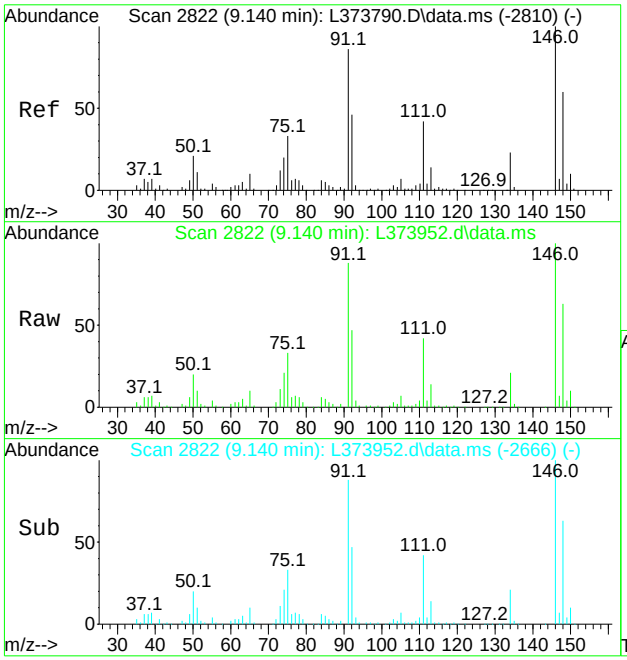


#112
1,2,3-trimethylbenzene
Concen: 51.4210 ug/L
RT: 8.823 min Scan# 2723
Delta R.T. 0.001 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion:105 Resp: 424455

Ion	Ratio	Lower	Upper
105	100		
120	41.7	8.8	68.8
91	10.8	0.0	40.2

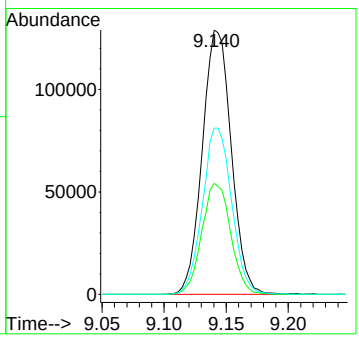


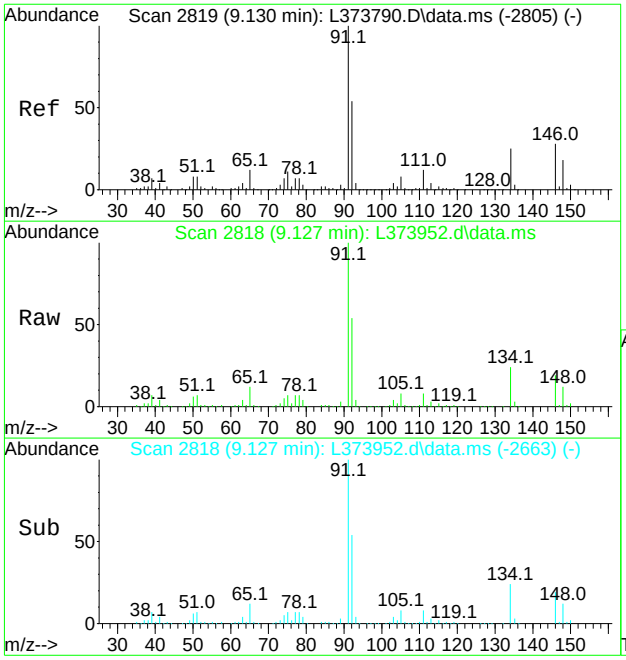


#113
1,2-dichlorobenzene
Concen: 51.3270 ug/L
RT: 9.140 min Scan# 2822
Delta R.T. 0.000 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion:146 Resp: 209659

Ion	Ratio	Lower	Upper
146	100		
111	42.0	12.1	72.1
148	62.9	30.4	90.4

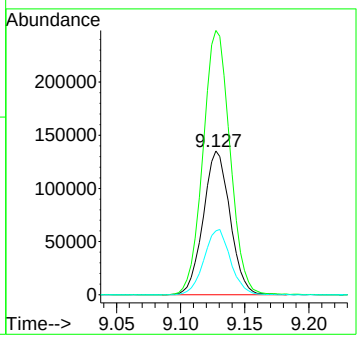


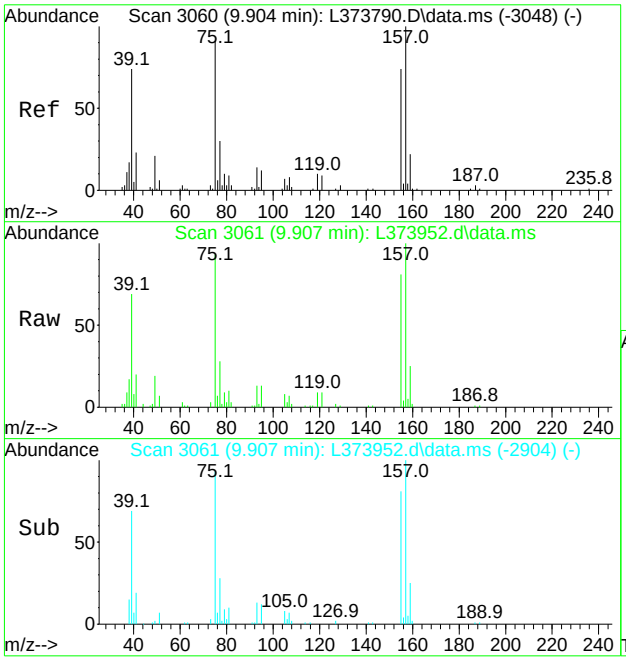


#114
n-butylbenzene
Concen: 53.9848 ug/L
RT: 9.127 min Scan# 2818
Delta R.T. -0.003 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 92 Resp: 196949

Ion	Ratio	Lower	Upper
92	100		
91	183.8	155.4	215.4
134	44.4	15.6	75.6

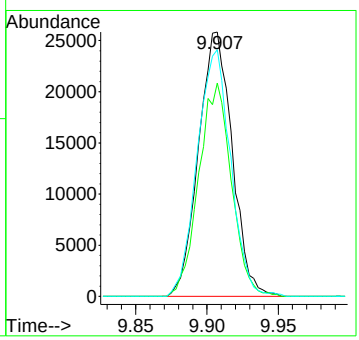


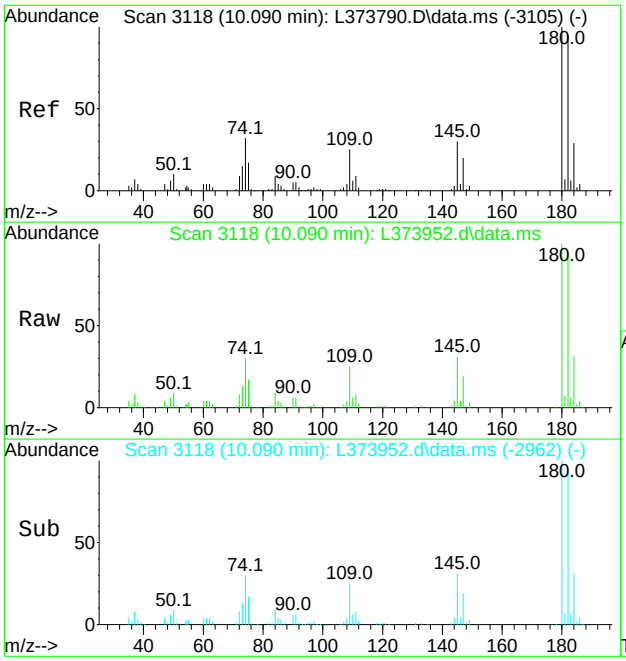


#115
1,2-dibromo-3-chloropropane
Concen: 45.2040 ug/L
RT: 9.907 min Scan# 3061
Delta R.T. 0.003 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion:157 Resp: 42412

Ion	Ratio	Lower	Upper
157	100		
155	80.7	44.1	104.1
75	93.2	60.9	120.9

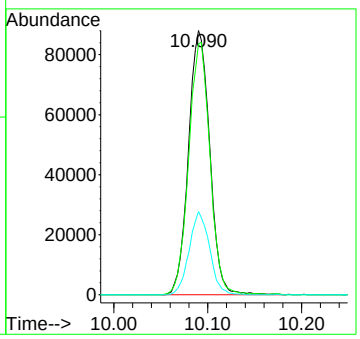


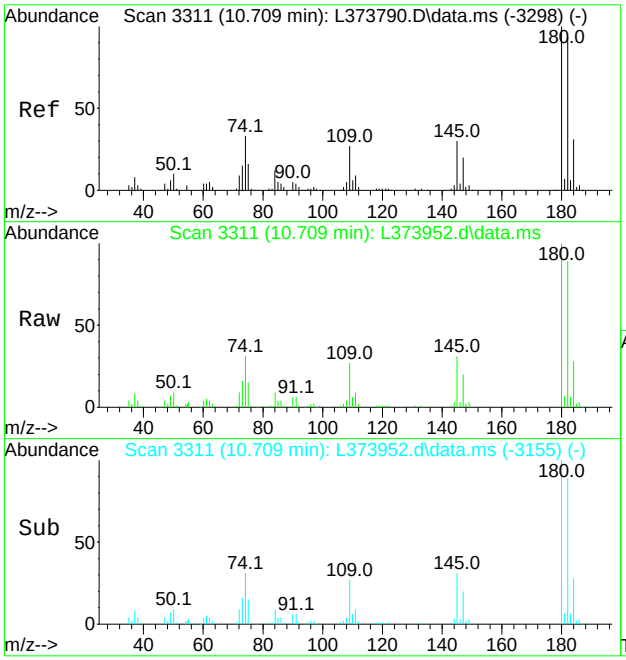


#116
1,3,5-trichlorobenzene
Concen: 52.7984 ug/L
RT: 10.090 min Scan# 3118
Delta R.T. 0.000 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion:180 Resp: 138798

Ion	Ratio	Lower	Upper
180	100		
182	94.8	65.0	125.0
184	31.5	0.0	59.4

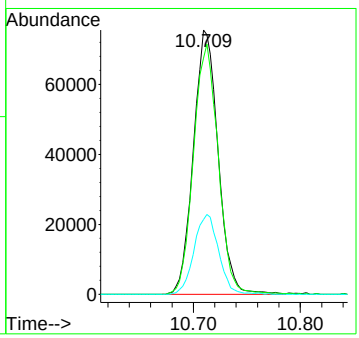


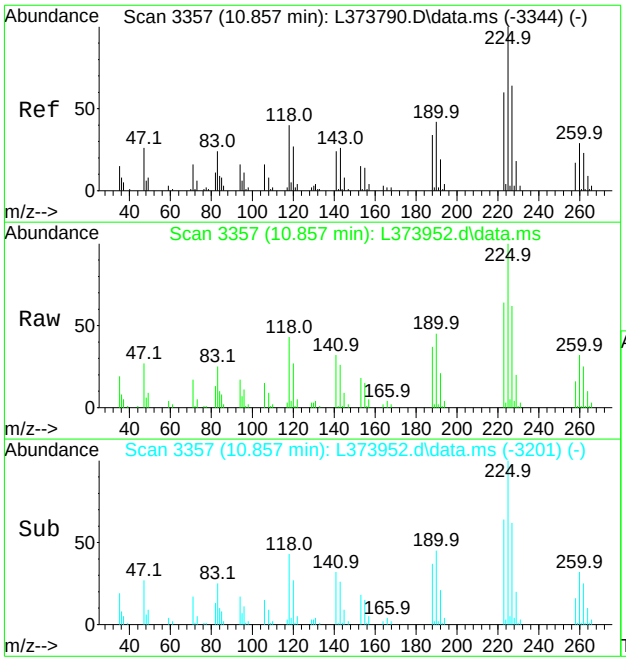


#117
1,2,4-trichlorobenzene
Concen: 52.4759 ug/L
RT: 10.709 min Scan# 3311
Delta R.T. 0.000 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion:180 Resp: 121582

Ion	Ratio	Lower	Upper
180	100		
182	89.3	63.1	123.1
184	28.3	0.8	60.8

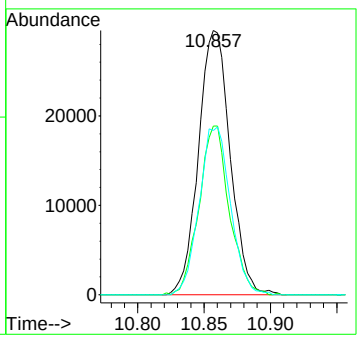


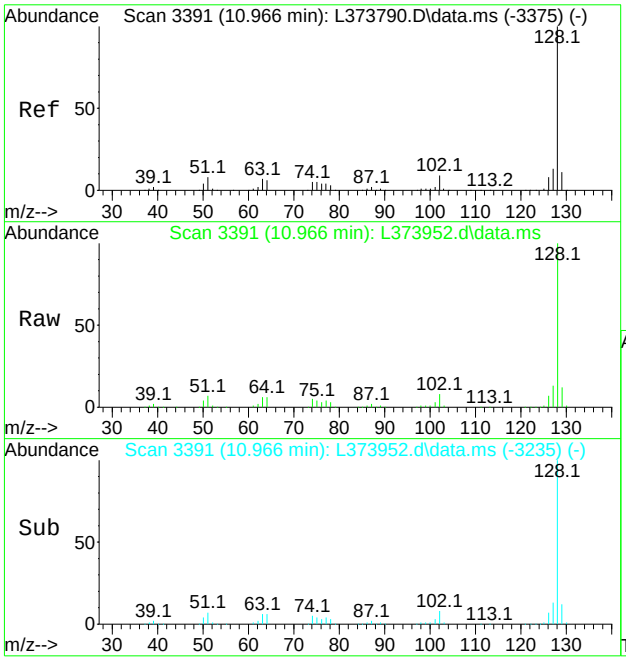


#118
hexachlorobutadiene
Concen: 56.5522 ug/L
RT: 10.857 min Scan# 3357
Delta R.T. -0.000 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion:225 Resp: 49238

Ion	Ratio	Lower	Upper
225	100		
223	63.8	30.0	90.0
227	62.1	33.8	93.8

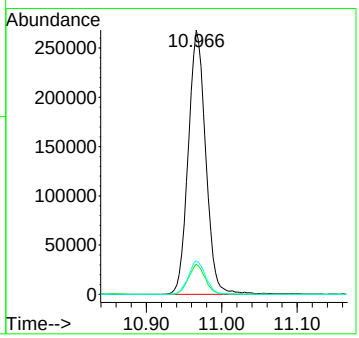


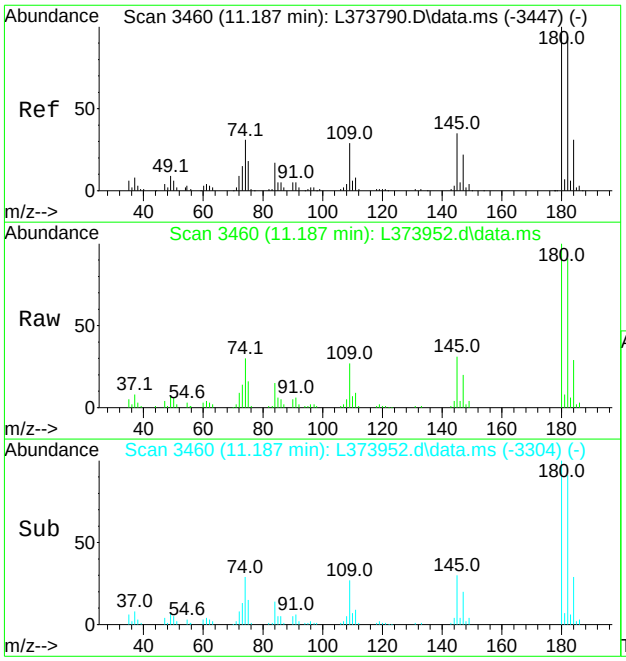


#119
naphthalene
Concen: 50.3238 ug/L
RT: 10.966 min Scan# 3391
Delta R.T. 0.000 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion:128 Resp: 432256

Ion	Ratio	Lower	Upper
128	100		
129	11.5	0.0	41.1
127	12.6	0.0	42.9

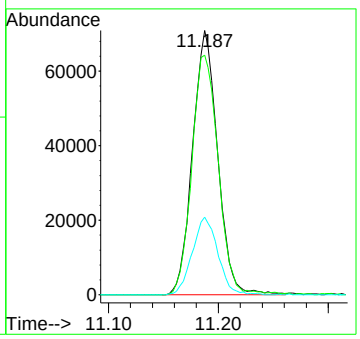


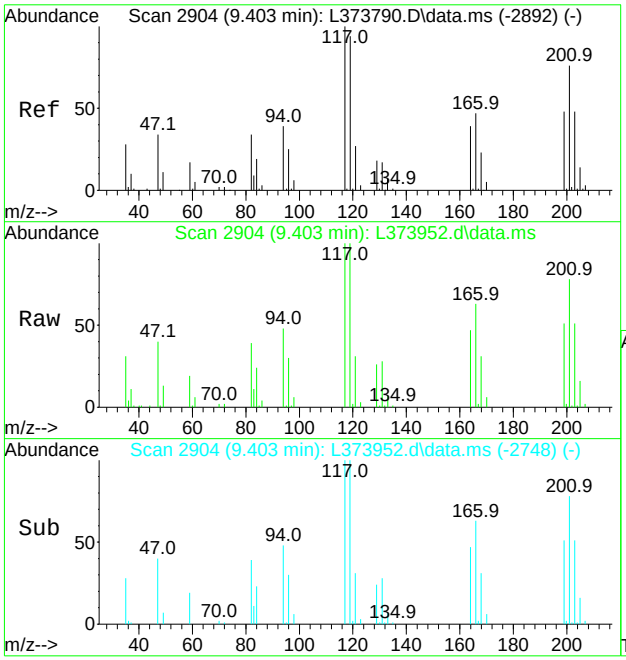


#120
1,2,3-trichlorobenzene
Concen: 50.8646 ug/L
RT: 11.187 min Scan# 3460
Delta R.T. 0.000 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion:180 Resp: 112302

Ion	Ratio	Lower	Upper
180	100		
182	90.6	63.9	123.9
184	29.4	1.2	61.2

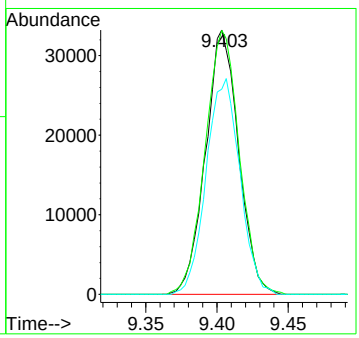


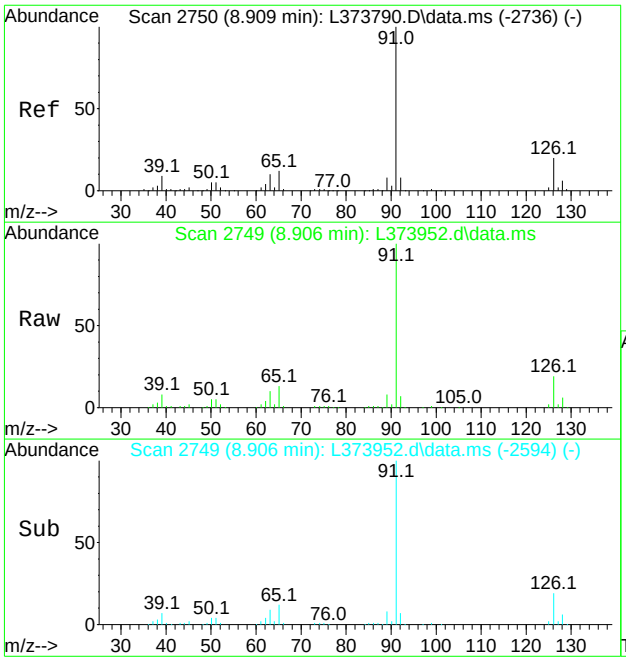


#121
hexachloroethane
Concen: 47.9711 ug/L
RT: 9.403 min Scan# 2904
Delta R.T. 0.000 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion:119 Resp: 53579

Ion	Ratio	Lower	Upper
119	100		
117	99.9	76.2	136.2
201	77.6	51.2	111.2

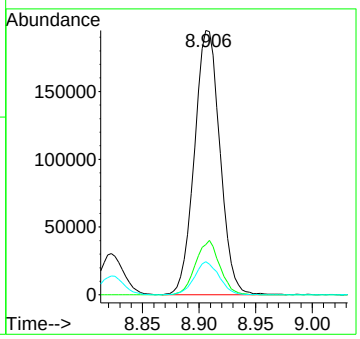


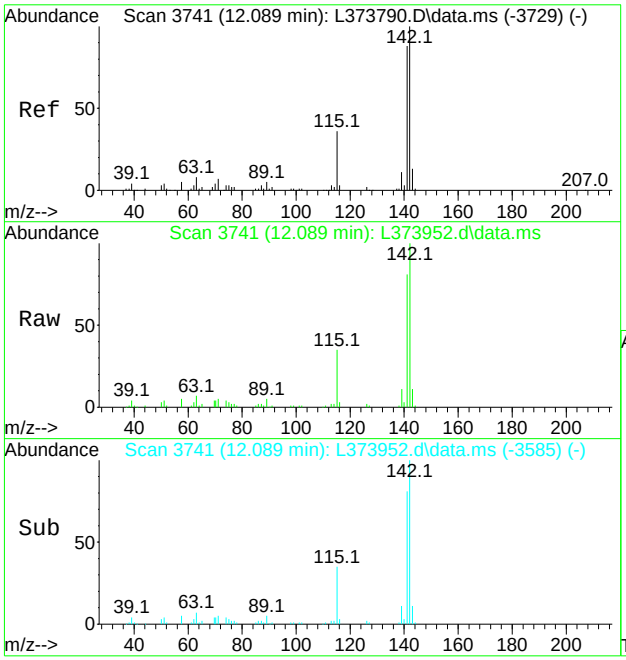


#122
benzyl chloride
Concen: 44.8938 ug/L
RT: 8.906 min Scan# 2749
Delta R.T. -0.003 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion: 91 Resp: 305098

Ion	Ratio	Lower	Upper
91	100		
126	19.0	0.0	49.8
65	12.5	0.0	41.8

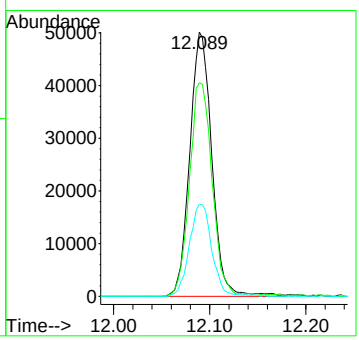




#123
2-methylnaphthalene
Concen: 24.1520 ug/L
RT: 12.089 min Scan# 3741
Delta R.T. 0.000 min
Lab File: L373952.d
Acq: 22 Oct 2025 11:34 pm

Tgt Ion:142 Resp: 80036

Ion	Ratio	Lower	Upper
142	100		
141	80.8	68.0	108.0
115	34.8	15.9	55.9



Manual Integrations APPROVED (compounds with "m" flag)
Mei Chen
10/23/25 16:43

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\michaellab\10-23-2025\VL11478\
Data File : L373953.d
Acq On : 22 Oct 2025 11:59 pm
Operator : BridgetK
Sample : cc11472-1 Inst : GCMSL
Misc : MS98394,VL11478,5,,,,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Oct 23 08:18:22 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 13:39:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	2.604	65	212856	500.00	ug/L	0.00
5) pentafluorobenzene	3.746	168	197971	50.00	ug/L	0.00
51) 1,4-difluorobenzene	4.285	114	313165	50.00	ug/L	0.00
72) chlorobenzene-d5	6.609	117	245944	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	8.774	152	119045	50.00	ug/L	0.00
124) pentafluorobenzene(a)	3.746	168	197971	50.00	ug/L	0.00
131) 1,4-dichlorobenzene-d4(a)	8.774	152	119045	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	3.749	113	98254	47.54	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 95.08%			
52) 1,2-dichloroethane-d4 (s)	3.984	65	112536	49.40	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 98.80%			
73) toluene-d8 (s)	5.389	98	357734	50.15	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.30%			
97) 4-bromofluorobenzene (s)	7.674	95	125904	49.29	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.58%			
Target Compounds						Qvalue
11) bromomethane	1.769	96	1177	1.6996	ug/L	84
20) iodomethane	2.418	142	1129	2.2270	ug/L	78
95) cis-1,4-dichloro-2-butene	7.574	88	438	0.6121	ug/L #	78
100) trans-1,4-dichloro-2-b...	7.834	53	322m	0.5019	ug/L	

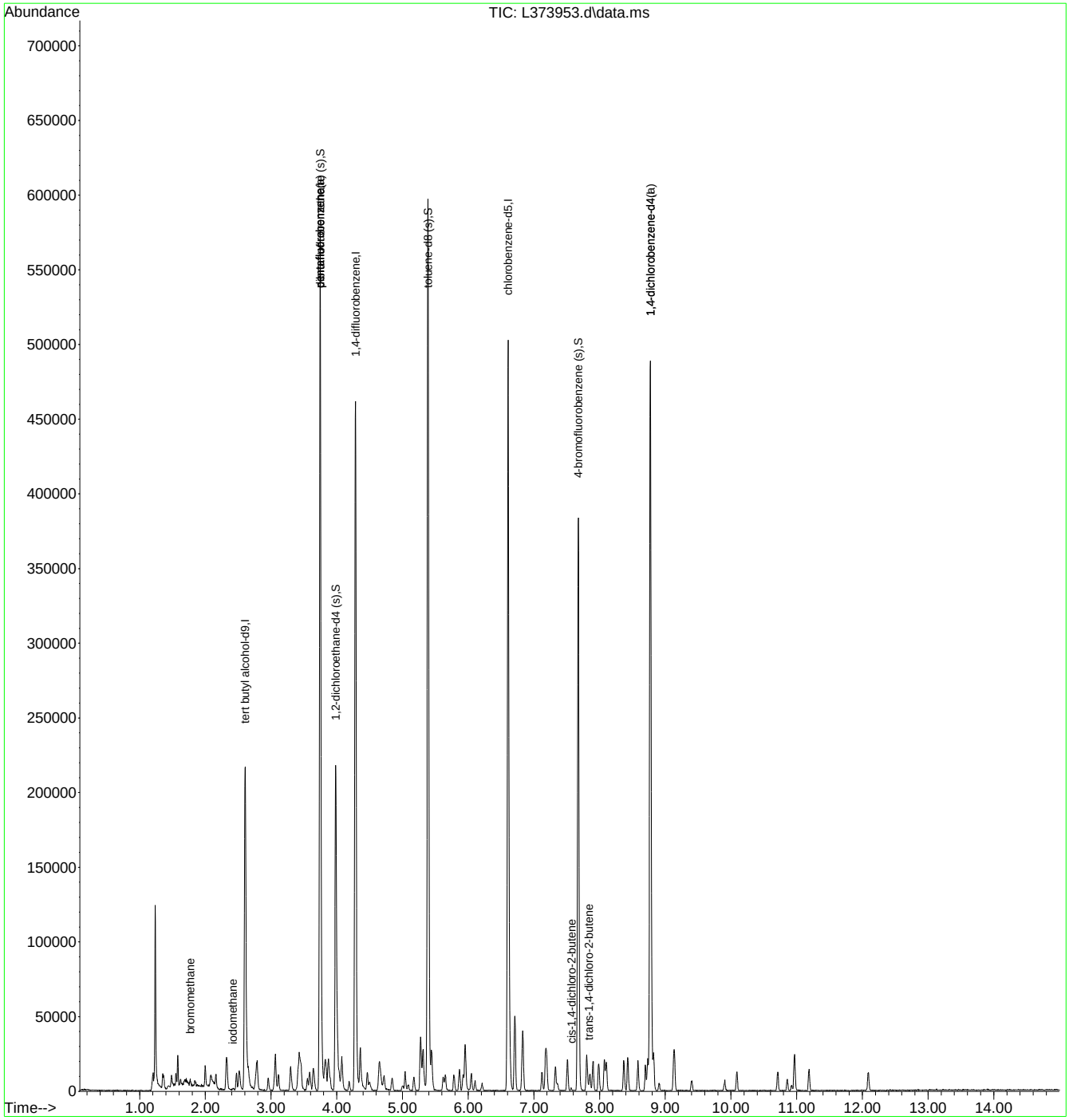
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.6.42
7

Quantitation Report (QT Reviewed)

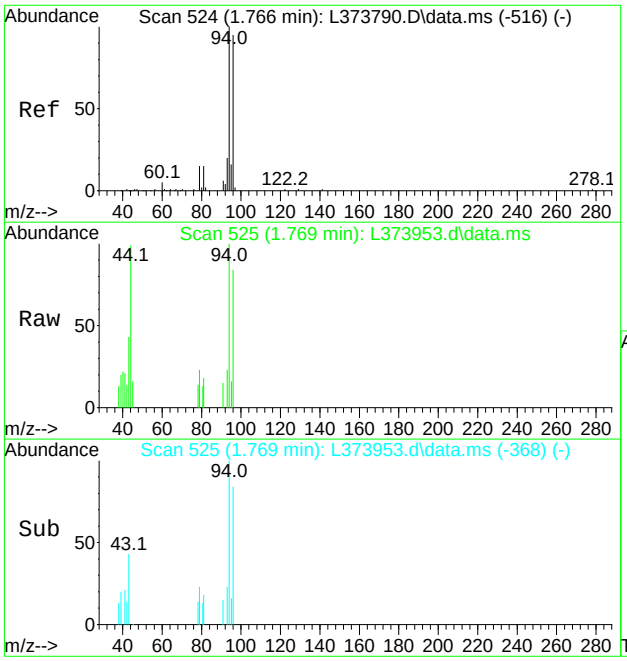
Data Path : X:\Dayton VOA GCMS\michaellab\10-23-2025\VL11478\
Data File : L373953.d
Acq On : 22 Oct 2025 11:59 pm
Operator : BridgetK
Sample : cc11472-1 Inst : GCMSL
Misc : MS98394,VL11478,5,,,,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Oct 23 08:18:22 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 13:39:16 2025
Response via : Initial Calibration



7.6.42

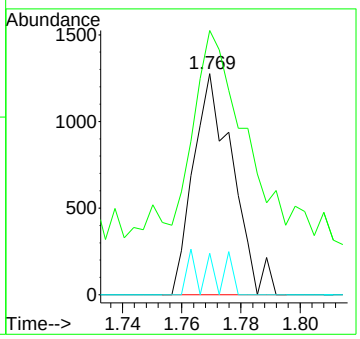
7

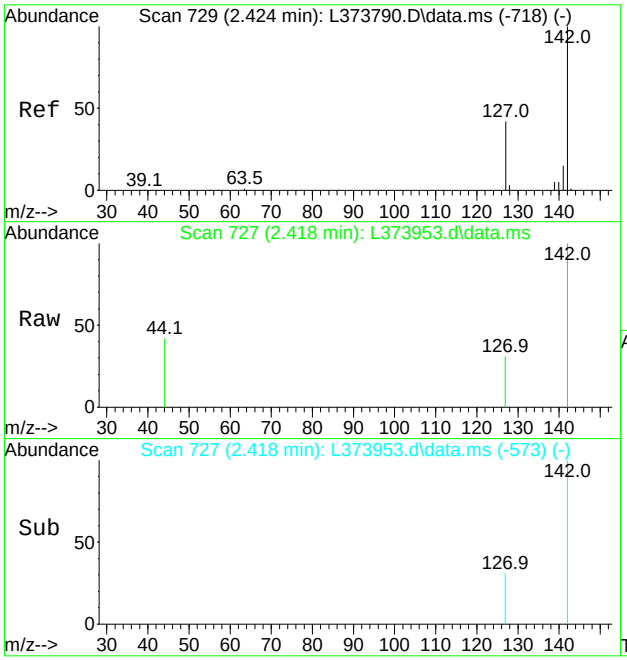


#11
bromomethane
Concen: 1.6996 ug/L
RT: 1.769 min Scan# 525
Delta R.T. 0.003 min
Lab File: L373953.d
Acq: 22 Oct 2025 11:59 pm

Tgt Ion: 96 Resp: 1177

Ion	Ratio	Lower	Upper
96	100		
94	88.2	76.7	136.7
95	18.7	0.0	46.3

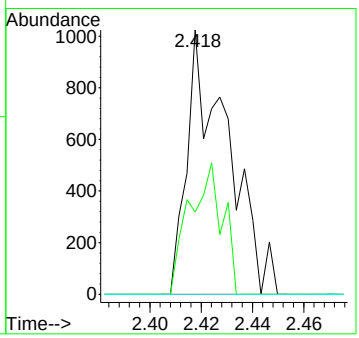


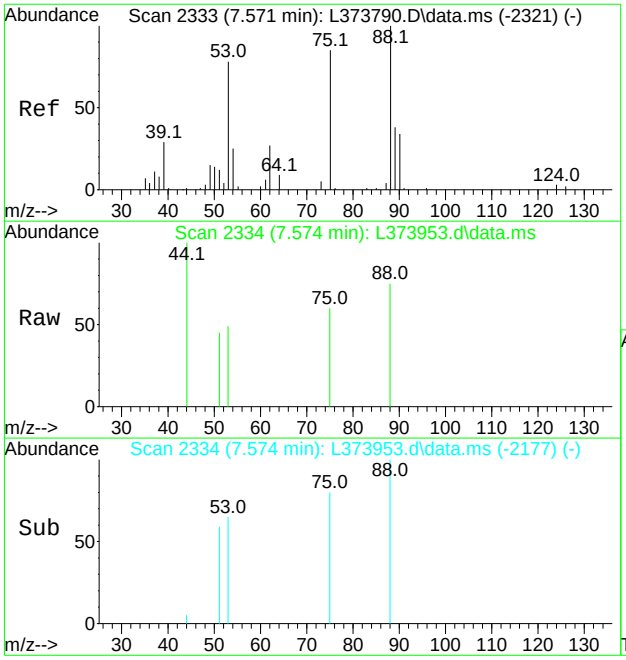


#20
iodomethane
Concen: 2.2270 ug/L
RT: 2.418 min Scan# 727
Delta R.T. -0.006 min
Lab File: L373953.d
Acq: 22 Oct 2025 11:59 pm

Tgt Ion:142 Resp: 1129

Ion	Ratio	Lower	Upper
142	100		
127	31.2	12.2	72.2
141	0.0	0.0	44.6

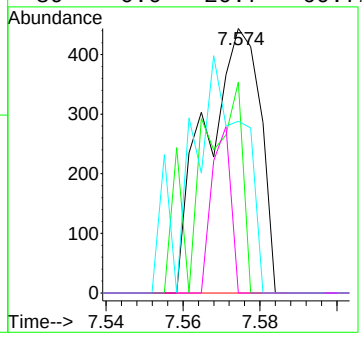


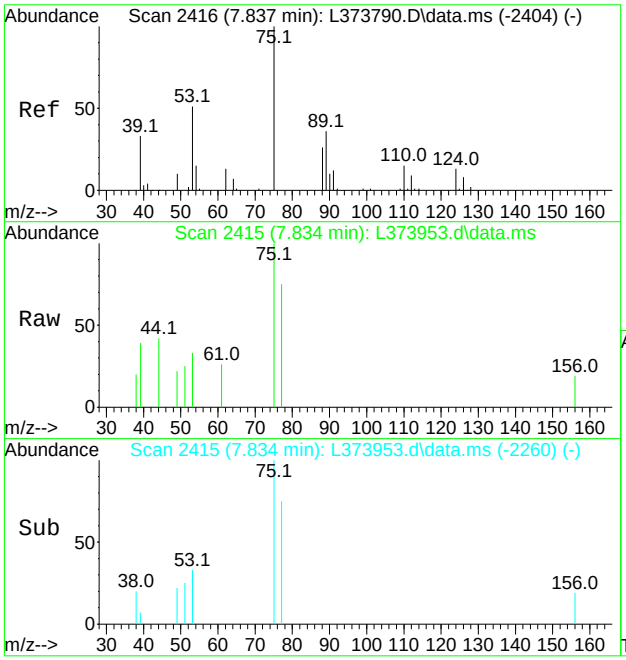


#95
cis-1,4-dichloro-2-butene
Concen: 0.6121 ug/L
RT: 7.574 min Scan# 2334
Delta R.T. 0.003 min
Lab File: L373953.d
Acq: 22 Oct 2025 11:59 pm

Tgt Ion: 88 Resp: 438

Ion	Ratio	Lower	Upper
88	100		
75	79.7	66.5	106.5
53	64.9	59.7	99.7
89	0.0	20.7	60.7#

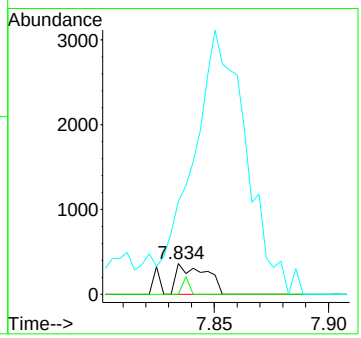




#100
trans-1,4-dichloro-2-butene
Concen: 0.5019 ug/L m
RT: 7.834 min Scan# 2415
Delta R.T. -0.003 min
Lab File: L373953.d
Acq: 22 Oct 2025 11:59 pm

Tgt Ion: 53 Resp: 322

Ion	Ratio	Lower	Upper
53	100		
88	0.0	21.0	81.0#
75	301.1	165.8	225.8#



Manual Integration Approval Summary

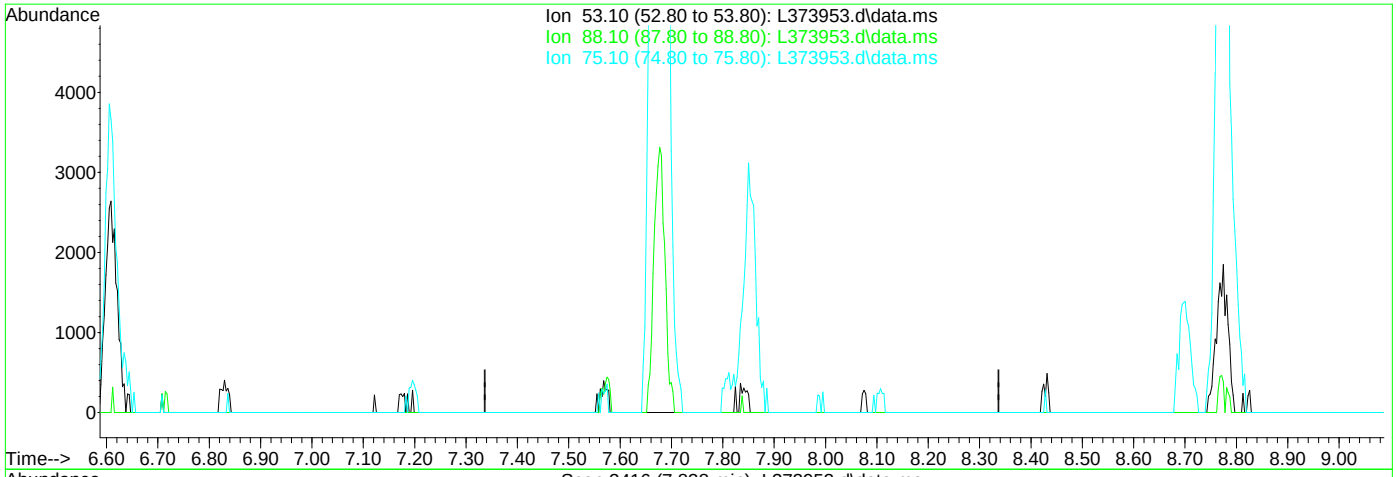
Sample Number:	VL11478-CC11472	**Method:**	SW846 8260D
Lab FileID:	L373953.D	**Analyst approved:**	10/23/25 04:27 Michaella Balido
Injection Time:	10/22/25 23:59	**Supervisor approved:**	10/23/25 16:43 Mei Chen

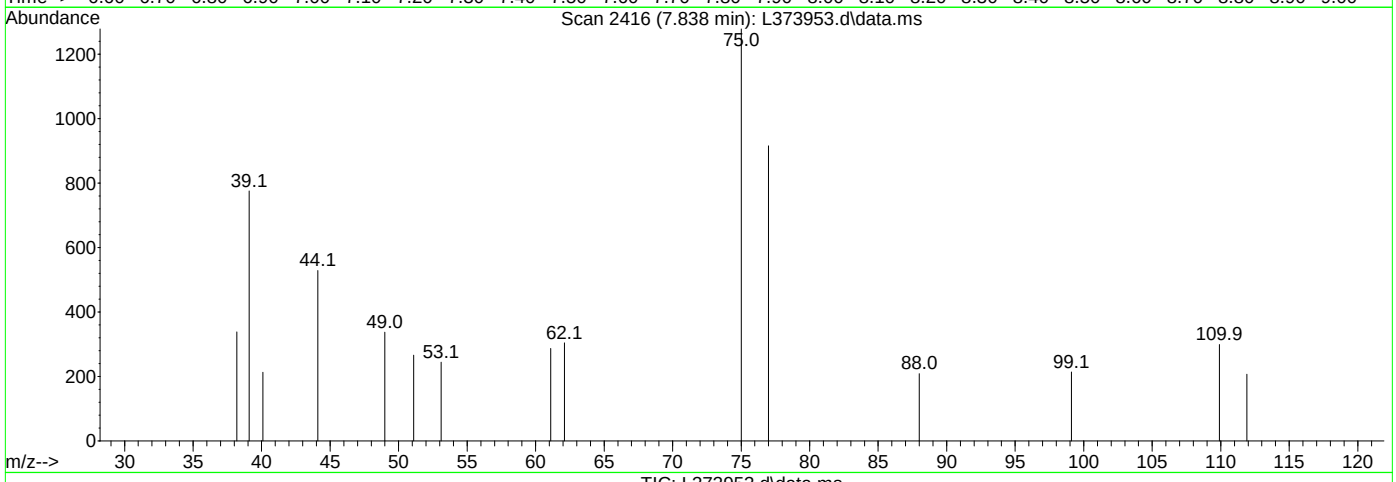
Parameter	CAS	Sig#	R.T. (min.)	Reason
trans-1,4-Dichloro-2-Butene	110-57-6		7.83	Missed peak

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\michaellab\10-23-2025\VL11478\
Data File : L373953.d
Acq On : 22 Oct 2025 11:59 pm
Operator : BridgetK
Sample : cc11472-1 Inst : GCMSL
Misc : MS98394,VL11478,5,,,,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Oct 23 08:17:11 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 13:39:16 2025
Response via : Initial Calibration





TIC: L373953.d\data.ms

(100) trans-1,4-dichloro-2-butene

7.837min (-7.837) 0.00ug/L

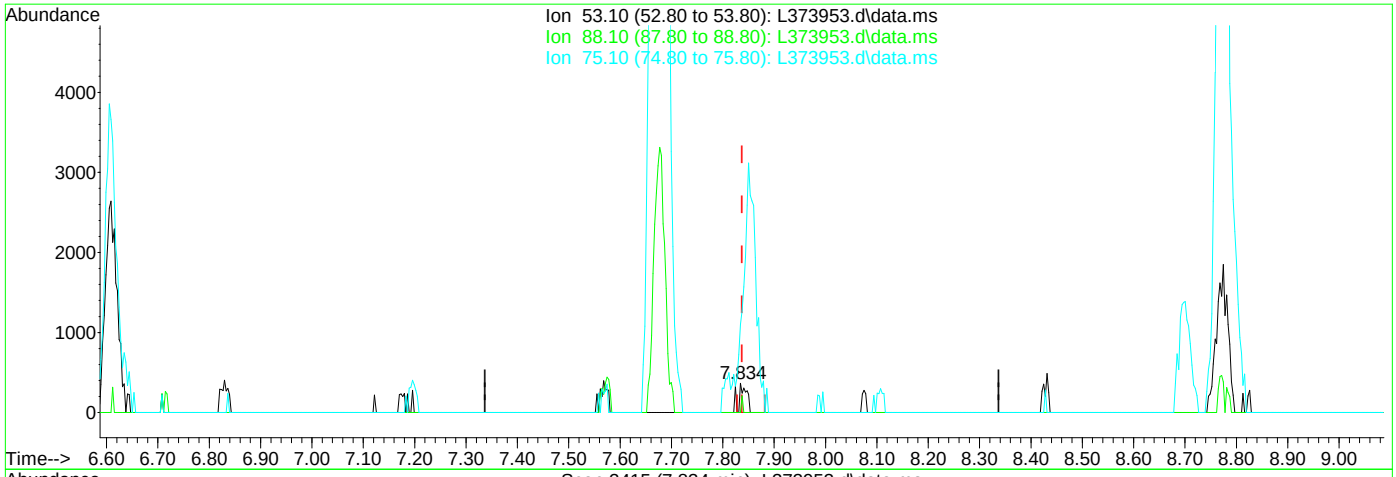
response 0

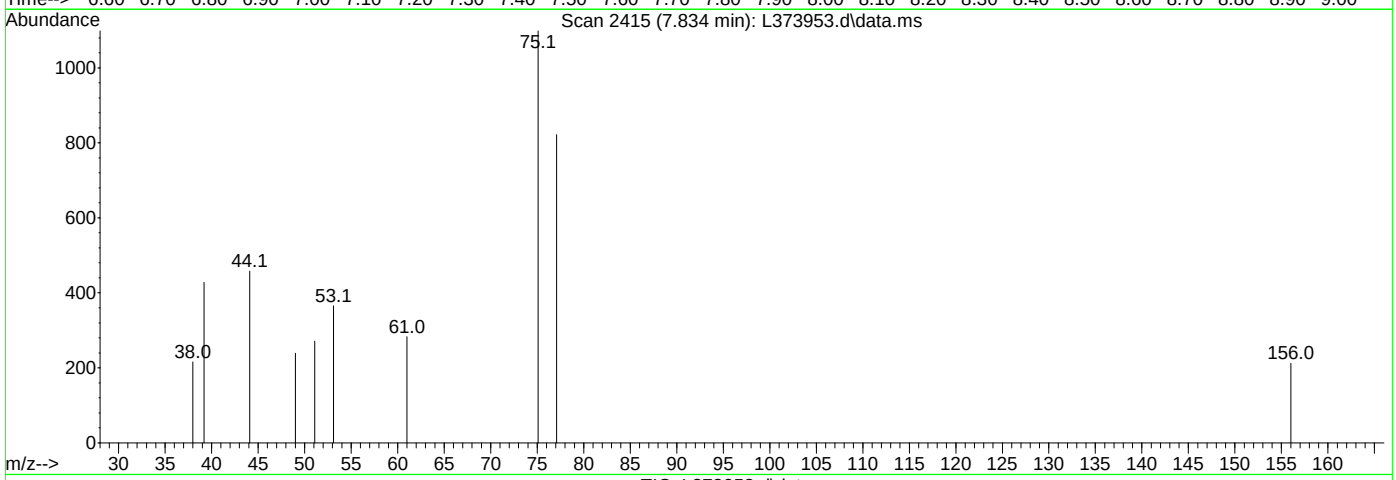
Ion	Exp%	Act%
53.10	100	0.00
88.10	51.00	0.00#
75.10	195.80	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\michaellab\10-23-2025\VL11478\
Data File : L373953.d
Acq On : 22 Oct 2025 11:59 pm
Operator : BridgetK
Sample : cc11472-1 Inst : GCMSL
Misc : MS98394,VL11478,5,,,,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Oct 23 08:17:11 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 13:39:16 2025
Response via : Initial Calibration





TIC: L373953.d\data.ms

(100) trans-1,4-dichloro-2-butene

7.834min (-0.003) 0.50ug/L m

response 322

Ion	Exp%	Act%
53.10	100	100
88.10	51.00	0.00#
75.10	195.80	301.10#
0.00	0.00	0.00

SGS

VOLATILE by GCMS ANALYSIS LOG

Date: 9/5/2025

Standard data

Lot#	Expiration Date	concentration
ABK: V025-2803-119.5	10/3/2025	100-10000ppm
AA: V025-2803-128.3	10/4/2025	100ppm
EC: V025-2803-124.11	9/11/2025	100ppm

Internal/SUrrogate data

Lot#	Expiration Date	concentration
IS: V025-2803-118	10/3/2025	50/500ppm
XT ABK: V025-2803-113.	9/28/2025	100-10000ppm
XT Acro: V025-2803-84.	9/8/2025	100ppm
XT EC: V025-2803-126.	9/11/2025	100ppm
rodifluoromethane: V025	9/12/2025	100ppm
XT PA: V025-2803-129.	10/5/2025	100-1000ppm

Batch ID: V1K658

Print Analyst Name:
Prashant S.
Processed by:
Mohui Huang
Columns:

Method:
V8260D
Initial Cal. Method:
M1K658

Date Archived:_____

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

Supervisor Signature- _____ Date- _____

ALS	Sample ID	Method	File ID	MS Batch, Run ID, Pv,,,, Dil.	Vial #	Purge Vol	IS/SURR	pH	STATUS	Comments
1	BFB	M1K658	1K23792	MS75187,V1k658,5,,,,1		5			ok	
2	bfb	M2K658	2K23793	MS75187,V2k658,5,,,,1		5			ok	
3	ic658-0.2	M1K658	1K23794	MS75187,V1k658,5,,,,1		5			ok	2uL ABK, AA, EC / 1000mL
4	ic658-0.2	M2K658	2K23795	MS75187,V2k658,5,,,,1		5			ok	2uL ABK, AA, EC / 1000mL
5	ic658-0.5	M1K658	1K23796	MS75187,V1k658,5,,,,1		5			ok	5uL ABK, AA, EC / 1000mL
6	ic658-0.5	M2K658	2K23797	MS75187,V2k658,5,,,,1		5			ok	5uL ABK, AA, EC / 1000mL
7	ic658-1	M1K658	1K23798	MS75187,V1k658,5,,,,1		5			ok	1uL ABK, AA, EC / 100mL
8	ic658-1	M2K658	2K23799	MS75187,V2k658,5,,,,1		5			ok	1uL ABK, AA, EC / 100mL
9	ic658-2	M1K658	1K23800	MS75187,V1k658,5,,,,1		5			ok	2uL ABK, AA, EC / 100mL
10	ic658-2	M2K658	2K23801	MS75187,V2k658,5,,,,1		5			ok	2uL ABK, AA, EC / 100mL
11	ic658-4	M1K658	1K23802	MS75187,V1k658,5,,,,1		5			ok	4uL ABK, AA, EC / 100mL
12	ic658-4	M2K658	2K23803	MS75187,V2k658,5,,,,1		5			ok	4uL ABK, AA, EC / 100mL
13	ic658-8	M1K658	1K23804	MS75187,V1k658,5,,,,1		5			ok	8uL ABK, AA, EC / 100mL
14	ic658-8	M2K658	2K23805	MS75187,V2k658,5,,,,1		5			ok	8uL ABK, AA, EC / 100mL
15	ic658-20	M1K658	1K23806	MS75187,V1k658,5,,,,1		5			ok	20uL ABK, AA, EC / 100mL
16	ic658-20	M2K658	2K23807	MS75187,V2k658,5,,,,1		5			ok	20uL ABK, AA, EC / 100mL
17	icc658-50	M1K658	1K23808	MS75187,V1k658,5,,,,1		5			ok	50uL ABK, AA, EC / 100mL
18	icc658-50	M2K658	2K23809	MS75187,V2k658,5,,,,1		5			ok	50uL ABK, AA, EC / 100mL
19	ic658-100	M1K658	1K23810	MS75187,V1k658,5,,,,1		5			ok	100uL ABK, AA, EC / 100mL
20	ic658-100	M2K658	2K23811	MS75187,V2k658,5,,,,1		5			ok	100uL ABK, AA, EC / 100mL

SGS

VOLATILE by GCMS ANALYSIS LOG

Date: 9/5/2025

Standard data

Lot#	Expiration Date	concentration
ABK: V025-2803-119.5	10/3/2025	100-10000ppm
AA: V025-2803-128.3	10/4/2025	100ppm
EC: V025-2803-124.11	9/11/2025	100ppm

Internal/SUrrogate data

Lot#	Expiration Date	concentration
IS: V025-2803-118	10/3/2025	50/500ppm
XT ABK: V025-2803-113.	9/28/2025	100-10000ppm
EXT Acro: V025-2803-84.	9/8/2025	100ppm
EXT EC: V025-2803-126.	9/11/2025	100ppm
rodifluoromethane: V025	9/12/2025	100ppm
EXT PA: V025-2803-129.	10/5/2025	100-1000ppm

Batch ID: V1K658

Print Analyst Name:
Prashant S.
Processed by:
Mohui Huang
Columns:

Method:
V8260D
Initial Cal. Method:
M1K658

Date Archived:_____

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

Supervisor Signature- _____ Date- _____

ALS	Sample ID	Method	File ID	MS Batch, Run ID, Pv,,,, Dil.	Vial #	Purge Vol	IS/SURR	pH	STATUS	Comments
21	ic658-200	M1K658	1K23812	MS75187,V1k658,5,,,,1		5			ok	200uL ABK, AA, EC / 100mL
22	ic658-200	M2K658	2K23813	MS75187,V2k658,5,,,,1		5			ok	200uL ABK, AA, EC / 100mL
23	ib	M1K658	1K23814	MS75187,V1k658,5,,,,1		5				
24	ib	M2K658	2K23815	MS75187,V2k658,5,,,,1		5				
25	ib	M1K658	1K23816	MS75187,V1k658,5,,,,1		5				
26	ib	M2K658	2K23817	MS75187,V2k658,5,,,,1		5				
27	icv658-50	M1K658	1K23818	MS75187,V1k658,5,,,,1		5			ok	50uL EXT ABK, Acro, EC / 100mL
28	icv658-50	M2K658	2K23819	MS75187,V2k658,5,,,,1		5			ok	50uL EXT ABK, Acro, EC / 100mL
29	icv658-50	M1K658	1K23820	MS75187,V1k658,5,,,,1		5			ok	50uL PA Chlorodifluoromethane / 100mL
30	icv658-50	M2K658	2K23821	MS75187,V2k658,5,,,,1		5			ok	50uL PA Chlorodifluoromethane / 100mL

SGS

VOLATILE by GCMS ANALYSIS LOG

Date: 9/5/2025

Standard data

Lot#	Expiration Date	concentration
ABK: V025-2803-119.5	10/3/2025	100-10000ppm
AA: V025-2803-128.3	10/4/2025	100ppm
EC: V025-2803-124.11	9/11/2025	100ppm

Internal/SUrrogate data

Lot#	Expiration Date	concentration
IS: V025-2803-118	10/3/2025	50/500ppm
XT ABK: V025-2803-113.	9/28/2025	100-10000ppm
XT Acro: V025-2803-84.	9/8/2025	100ppm
XT EC: V025-2803-126.	9/11/2025	100ppm
prodifluoromethane: V025	9/12/2025	100ppm
XT PA: V025-2803-129.	10/5/2025	100-1000ppm

Batch ID: V1K658

Print Analyst Name:
Prashant S.
Processed by:
Mohui Huang
Columns:

Method:
V8260D
Initial Cal. Method:
M1K658

Date Archived:_____

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

Supervisor Signature- _____ Date- _____

ALS	Sample ID	Method	File ID	MS Batch, Run ID, Pv,,,, Dil.	Vial #	Purge Vol	IS/SURR	pH	STATUS	Comments

SGS

VOLATILE by GCMS ANALYSIS LOG

Date: 10/17/2025

Standard data

Lot#	Expiration Date	concentration
ABK: V025-2806-4.2	11/3/2025	100-1000 ppm
EC: V025-2806-12.3	10/20/2025	100 ppm
AA: V025-2803-138.15	10/18/2025	100 ppm

Internal/SUrrogate data

Lot#	Expiration Date	Conc.
IS: V025-2806-3	11/3/2025	50/500ppm
pH paper:211623a	4/15/2026	

Batch ID: V1K694

Print Analyst Name: Edward Durner

Processed by: DiegoP

Columns: RTX-VMS(30m x 0.25mm x 1.4um)

Method:
V8260D
Initial Cal. Method:
M1K658

Date Archived:_____

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

Supervisor Signature- _____ Date- _____

ALS	Sample ID	Method	File ID	MS Batch, Run ID, Pv,,,, Dil.	Vial #	Purge Vol	IS/SURR	pH	STATUS	Comments
49	cc658-50	MK658	1K25207	MS97898,V1K694,5,,,,1		5ml			ok	50ul abk,ec,aa/100ml; 10:46PM
50	cc658-50	MK658	2K25208	MS97898,V2K694,5,,,,1		5ml			ok	50ul abk,ec,aa/100ml; 11:03PM
51	cc658-1	MK658	1K25209	MS97898,V1K694,5,,,,1		5ml			ok	1ul abk,ec,aa/100ml
52	cc658-1	MK658	2K25210	MS97898,V2K694,5,,,,1		5ml			ok	1ul abk,ec,aa/100ml
53	bs	MK658	1K25211	MS97898,V1K694,5,,,,1		5ml			ok	50ul abk,ec,aa/100ml
54	bs	MK658	2K25212	MS97898,V2K694,5,,,,1		5ml			ok	50ul abk,ec,aa/100ml
55	ib	MK658	1K25213	MS97898,V1K694,5,,,,1		5ml			ok	
56	mb	MK658	2K25214	MS97898,V2K694,5,,,,1		5ml			ok	
57	mb	MK658	1K25215	MS97898,V1K694,5,,,,1		5ml			ok	
58	je20825-1	MK658	2K25216	MS98030,V2K694,5,,,,1		5ml		1	ok	
59	je21034-6	MK658	1K25217	MS98248,V1K694,5,,,,4		12.5/50ml		1	ok	
60	je20825-1ms	MK658	2K25218	MS98030,V2K694,5,,,,1		5ml		1	ok	20ul abk,ec,aa/40ml
61	je21034-6ms	MK658	1K25219	MS98248,V1K694,5,,,,4		12.5/50ml		1	ok	25ul abk,ec,aa/50ml
62	je20825-1msd	MK658	2K25220	MS98030,V2K694,5,,,,1		5ml		1	ok	20ul abk,ec,aa/40ml
63	je21034-6msd	MK658	1K25221	MS98248,V1K694,5,,,,4		12.5/50ml		1	ok	25ul abk,ec,aa/50ml
64	ib	MK658	2K25222	MS98248,V2K694,5,,,,1		5ml			ok	
65	ib	MK658	1K25223	MS98248,V1K694,5,,,,1		5ml			ok	
66	je20825-6	MK658	2K25224	MS98030,V2K694,5,,,,1		5ml		1	ok	
67	je20293-1	MK658	1K25225	MS98248,V1K694,5,,,,1		5ml		1	ok	JE21293-1 ?
68	je20825-3	MK658	2K25226	MS98030,V2K694,5,,,,1		5ml		1	ok	
69	je21034-1	MK658	1K25227	MS98248,V1K694,5,,,,1		5ml		1	ok	
70	je20825-4	MK658	2K25228	MS98030,V2K694,5,,,,1		5ml		1	ok	
71	je20976-1	MK658	1K25229	MS98082,V1K694,5,,,,1		5ml		1	ok	
72	je20825-5	MK658	2K25230	MS98030,V2K694,5,,,,1		5ml		1	ok	
73	je20976-2	MK658	1K25231	MS98082,V1K694,5,,,,1		5ml		1	ok	
74	je20976-3	MK658	2K25232	MS98082,V2K694,5,,,,1		5ml		1	ok	
75	je20976-4	MK658	1K25233	MS98082,V1K694,5,,,,1		5ml		1	ok	

SGS

VOLATILE by GCMS ANALYSIS LOG

Date: 10/17/2025

Standard data

Lot#	Expiration Date	concentration
ABK: V025-2806-4.2	11/3/2025	100-1000 ppm
EC: V025-2806-12.3	10/20/2025	100 ppm
AA: V025-2803-138.15	10/18/2025	100 ppm

Internal/SUrrogate data

Lot#	Expiration Date	Conc.
IS: V025-2806-3	11/3/2025	50/500ppm
pH paper:211623a	4/15/2026	

Batch ID: V1K694

Print Analyst Name: Edward Durner

Processed by: DiegoP

Columns: RTX-VMS(30m x 0.25mm x 1.4um)

Method:
V8260D
Initial Cal. Method:
M1K658

Date Archived:_____

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

Supervisor Signature- _____ Date- _____

ALS	Sample ID	Method	File ID	MS Batch, Run ID, Pv,,,, Dil.	Vial #	Purge Vol	IS/SURR	pH	STATUS	Comments
76	je20976-5	MK658	2K25234	MS98082,V2K694,5,,,1		5ml		6	ok	
77	je20976-6	MK658	1K25235	MS98082,V1K694,5,,,1		5ml		1	ok	
78	je20976-7	MK658	2K25236	MS98082,V2K694,5,,,1		5ml		1	ok	
79	je20976-8	MK658	1K25237	MS98082,V1K694,5,,,1		5ml		1	rr	f/d
80	je20976-9	MK658	2K25238	MS98082,V2K694,5,,,1		5ml		1	ok	
81	je20976-10	MK658	1K25239	MS98082,V1K694,5,,,1		5ml		1	ok	
82	je20976-11	MK658	2K25240	MS98082,V2K694,5,,,1		5ml		1	ok	
83	je20976-12	MK658	1K25241	MS98082,V1K694,5,,,1		5ml		1	rr	f/d
84	je20976-13	MK658	2K25242	MS98082,V2K694,5,,,1		5ml		1	rr	c/o
85	je20976-14	MK658	1K25243	MS98082,V1K694,5,,,1		5ml		1	rr	f/d ; 8:54AM
86	je20976-16	MK658	2K25244	MS98082,V2K694,5,,,1		5ml		1	rr	c/o; 9:11AM
87	ib	MK658	1K25245	MS98082,V1K694,5,,,1		5ml			ok	
88	ib	MK658	2K25246	MS98082,V2K694,5,,,1		5ml			ok	
89	ib	MK658	1K25247	MS98082,V1K694,5,,,1		5ml			ok	
90	ib	MK658	2K25248	MS98082,V2K694,5,,,1		5ml			ok	

SGS

VOLATILE by GCMS ANALYSIS LOG

Date: 9/18/2025

Standard data

Lot#	Expiration Date	concentration
ABK: V025-2803-119.8	10/3/2025	100-10000ppm
AA: V025-2803-128.5	10/4/2025	100ppm
EC: V025-2803-132.8	9/19//2025	100ppm

Internal/SUrrogate data

Lot#	Expiration Date	concentration
IS: V025-2803-118	10/3/2025	50/500ppm
XT ABK: V025-2803-113	9/28/2025	100-10000ppm
XT Acro: V025-2803-130	10/5/2025	100ppm
XT EC: V025-2803-134.	9/19/2025	100ppm
rodifluoromethane: V025	10/16/2025	100ppm
XT PA: V025-2803-129.	10/5/2025	100-1000ppm

Batch ID: V1T579

Print Analyst Name:
Bridget Kelly
Processed by:
Mohui Huang
Columns:

Method:
V8260D
Initial Cal. Method:
M1T579

Date Archived:_____

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

Supervisor Signature- _____ Date- _____

ALS	Sample ID	Method	File ID	MS Batch, Run ID, Pv,,,, Dil.	Vial #	Purge Vol	IS/SURR	pH	STATUS	Comments
1	BFB	M1t579	1t23992	MS75187,V1t579,5,,,,1		5			ok	
2	bfb	M2t579	2t23993	MS75187,V2t579,5,,,,1		5			ok	
3	ic579-0.2	M1t579	1t23994	MS75187,V1t579,5,,,,1		5			ok	2uL ABK, AA, EC / 1000mL
4	ic579-0.2	M2t579	2t23995	MS75187,V2t579,5,,,,1		5			ok	2uL ABK, AA, EC / 1000mL
5	ic579-0.5	M1t579	1t23996	MS75187,V1t579,5,,,,1		5			ok	5uL ABK, AA, EC / 1000mL
6	ic579-0.5	M2t579	2t23997	MS75187,V2t579,5,,,,1		5			ok	5uL ABK, AA, EC / 1000mL
7	ic579-1	M1t579	1t23998	MS75187,V1t579,5,,,,1		5			ok	1uL ABK, AA, EC / 100mL
8	ic579-1	M2t579	2t23999	MS75187,V2t579,5,,,,1		5			ok	1uL ABK, AA, EC / 100mL
9	ic579-2	M1t579	1t24000	MS75187,V1t579,5,,,,1		5			ok	2uL ABK, AA, EC / 100mL
10	ic579-2	M2t579	2t24001	MS75187,V2t579,5,,,,1		5			ok	2uL ABK, AA, EC / 100mL
11	ic579-4	M1t579	1t24002	MS75187,V1t579,5,,,,1		5			ok	4uL ABK, AA, EC / 100mL
12	ic579-4	M2t579	2t24003	MS75187,V2t579,5,,,,1		5			ok	4uL ABK, AA, EC / 100mL
13	ic579-8	M1t579	1t24004	MS75187,V1t579,5,,,,1		5			ok	8uL ABK, AA, EC / 100mL
14	ic579-8	M2t579	2t24005	MS75187,V2t579,5,,,,1		5			ok	8uL ABK, AA, EC / 100mL
15	ic579-20	M1t579	1t24006	MS75187,V1t579,5,,,,1		5			ok	20uL ABK, AA, EC / 100mL
16	ic579-20	M2t579	2t24007	MS75187,V2t579,5,,,,1		5			ok	20uL ABK, AA, EC / 100mL
17	icc579-50	M1t579	1t24008	MS75187,V1t579,5,,,,1		5			ok	50uL ABK, AA, EC / 100mL
18	icc579-50	M2t579	2t24009	MS75187,V2t579,5,,,,1		5			ok	50uL ABK, AA, EC / 100mL
19	ic579-100	M1t579	1t24010	MS75187,V1t579,5,,,,1		5			ok	100uL ABK, AA, EC / 100mL
20	ic579-100	M2t579	2t24011	MS75187,V2t579,5,,,,1		5			ok	100uL ABK, AA, EC / 100mL

SGS

VOLATILE by GCMS ANALYSIS LOG

Date: 9/18/2025

Standard data

Lot#	Expiration Date	concentration
ABK: V025-2803-119.8	10/3/2025	100-10000ppm
AA: V025-2803-128.5	10/4/2025	100ppm
EC: V025-2803-132.8	9/19//2025	100ppm

Internal/SUrrogate data

Lot#	Expiration Date	concentration
IS: V025-2803-118	10/3/2025	50/500ppm
XT ABK: V025-2803-113	9/28/2025	100-10000ppm
XT Acro: V025-2803-130	10/5/2025	100ppm
XT EC: V025-2803-134.	9/19/2025	100ppm
rodifluoromethane: V025	10/16/2025	100ppm
XT PA: V025-2803-129.	10/5/2025	100-1000ppm

Batch ID: V1T579

Print Analyst Name:
Bridget Kelly
Processed by:
Mohui Huang
Columns:

Method:
V8260D
Initial Cal. Method:
M1T579

Date Archived:_____

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

Supervisor Signature- _____ Date- _____

ALS	Sample ID	Method	File ID	MS Batch, Run ID, Pv,,,, Dil.	Vial #	Purge Vol	IS/SURR	pH	STATUS	Comments
21	ic579-200	M1t579	1t24012	MS75187,V1t579,5,,,,1		5			ok	200uL ABK, AA, EC / 100mL
22	ic579-200	M2t579	2t24013	MS75187,V2t579,5,,,,1		5			ok	200uL ABK, AA, EC / 100mL
23	ib	M1t579	1t24014	MS75187,V1t579,5,,,,1		5				
24	ib	M2t579	2t24015	MS75187,V2t579,5,,,,1		5				
25	ib	M1t579	1t24016	MS75187,V1t579,5,,,,1		5				
26	ib	M2t579	2t24017	MS75187,V2t579,5,,,,1		5				
27	icv579-50	M1t579	1t24018	MS75187,V1t579,5,,,,1		5			ok	50uL EXT ABK, Acro, EC / 100mL
28	icv579-50	M2t579	2t24019	MS75187,V2t579,5,,,,1		5			ok	50uL EXT ABK, Acro, EC / 100mL
29	icv579-50	M1t579	1t24020	MS75187,V1t579,5,,,,1		5			ok	50uL PA Chlorodifluoromethane / 100mL
30	icv579-50	M2t579	2t24021	MS75187,V2t579,5,,,,1		5			ok	50uL PA Chlorodifluoromethane / 100mL
31	ib	M1t579	1t24022	MS75187,V1t579,5,,,,1		5				
32	ib	M2t579	2t24023	MS75187,V2t579,5,,,,1		5				
33	ib	M1t579	1t24024	MS75187,V1t579,5,,,,1		5				
34	bfb2	M2t579	2t24025	MS75187,V2t579,5,,,,1		5			ok	
35	ib	M1t579	1t24026	MS75187,V1t579,5,,,,1		5				
36	icv579-50	M2t579	2t24027	MS75187,V2t579,5,,,,1		5			ok	50uL EXT ABK, Acro, EC / 100mL

SGS

VOLATILE by GCMS ANALYSIS LOG

Date: 9/18/2025

Standard data

Lot#	Expiration Date	concentration
ABK: V025-2803-119.8	10/3/2025	100-10000ppm
AA: V025-2803-128.5	10/4/2025	100ppm
EC: V025-2803-132.8	9/19//2025	100ppm

Internal/SUrrogate data

Lot#	Expiration Date	concentration
IS: V025-2803-118	10/3/2025	50/500ppm
XT ABK: V025-2803-113	9/28/2025	100-10000ppm
XT Acro: V025-2803-130	10/5/2025	100ppm
XT EC: V025-2803-134.	9/19/2025	100ppm
rodifluoromethane: V025	10/16/2025	100ppm
XT PA: V025-2803-129.	10/5/2025	100-1000ppm

Batch ID: V1T579

Print Analyst Name:
Bridget Kelly
Processed by:
Mohui Huang
Columns:

Method:
V8260D
Initial Cal. Method:
M1T579

Date Archived:_____

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

Supervisor Signature- _____ Date- _____

ALS	Sample ID	Method	File ID	MS Batch, Run ID, Pv,,,, Dil.	Vial #	Purge Vol	IS/SURR	pH	STATUS	Comments

SGS

VOLATILE by GCMS ANALYSIS LOG

Date: 10/20/2025

Standard data

Lot#	Expiration Date	concentration
ABK: V025-2806-4.2	11/3/2025	100-1000 ppm
EC: V025-2806-12.3	10/20/2025	100 ppm
AA: V025-2806-19.15	11/20/2025	100 ppm

Internal/SUrrogate data

Lot#	Expiration Date	concentration
IS: V025-2806-3	11/3/2025	50-500ppm
pH paper:211623a	4/15/2026	

Batch ID: V1T610

Print Analyst Name: Edward Durner

Processed by: BraianC / AndresA

Columns: Rxi-624(30mx0.25mmx1.4um)

Method: V8260d

Initial Cal. Method: **M1T579**

Date Archived:_____

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

Supervisor Signature- _____ Date- _____

ALS	Sample ID	Method	File ID	MS Batch, Run ID, Pv,,,, Dil.	Vial #	Purge Vol	IS/SURR	pH	STATUS	Comments
1	ib	MT579	1T25472	MS98241,V1T0610,5,,,,1		5ml			ok	
2	ib	MT579	2T25473	MS98241,V2T0610,5,,,,1		5ml			ok	
3	ib	MT579	1T25474	MS98241,V1T0610,5,,,,1		5ml			ok	
4	ib	MT579	2T25475	MS98241,V2T0610,5,,,,1		5ml			ok	
5	ib	MT579	1T25476	MS98241,V1T0610,5,,,,1		5ml			ok	
6	ib	MT579	2T25477	MS98241,V2T0610,5,,,,1		5ml			ok	
7	cc579-20	MT579	1T25478	MS98241,V1T0610,5,,,,1		5ml			ok	20ul abk,ec,aa/100ml
8	cc579-20	MT579	2T25479	MS98241,V2T0610,5,,,,1		5ml			ok	20ul abk,ec,aa/100ml
9	cc579-1	MT579	1T25480	MS98241,V1T0610,5,,,,1		5ml			ok	1ul abk,ec,aa/100ml
10	cc579-1	MT579	2T25481	MS98241,V2T0610,5,,,,1		5ml			ok	1ul abk,ec,aa/100ml
11	bs	MT579	1T25482	MS98241,V1T0610,5,,,,1		5ml			ok	50ul abk,ec,aa/100ml
12	bs	MT579	2T25483	MS98241,V2T0610,5,,,,1		5ml			ok	50ul abk,ec,aa/100ml
13	ib	MT579	1T25484	MS98241,V1T0610,5,,,,1		5ml			ok	
14	mb	MT579	2T25485	MS98241,V2T0610,5,,,,1		5ml			ok	
15	mb	MT579	1T25486	MS98241,V1T0610,5,,,,1		5ml			ok	
16	JE21134-1	MT579	2T25487	MS98120,V2T0610,5,,,,1		5ml		1	ok	
17	JE21134-2	MT579	1T25488	MS98120,V1T0610,5,,,,1		5ml		1	ok	
18	JE21134-3	MT579	2T25489	MS98120,V2T0610,5,,,,1		5ml		1	ok	
19	JE21134-4	MT579	1T25490	MS98120,V1T0610,5,,,,1		5ml		1	ok	
20	JE21134-5	MT579	2T25491	MS98120,V2T0610,5,,,,1		5ml		1	ok	
21	JE21134-6	MT579	1T25492	MS98120,V1T0610,5,,,,1		5ml		1	ok	
22	JE21134-7	MT579	2T25493	MS98120,V2T0610,5,,,,1		5ml		1	ok	
23	JE21134-8	MT579	1T25494	MS98120,V1T0610,5,,,,1		5ml		1	ok	
24	JE21134-9	MT579	2T25495	MS98120,V2T0610,5,,,,1		5ml		1	ok	

SGS

VOLATILE by GCMS ANALYSIS LOG

Date: 10/20/2025

Standard data

Lot#	Expiration Date	concentration
ABK: V025-2806-4.2	11/3/2025	100-1000 ppm
EC: V025-2806-12.3	10/20/2025	100 ppm
AA: V025-2806-19.15	11/20/2025	100 ppm

Internal/SUrrogate data

Lot#	Expiration Date	concentration
IS: V025-2806-3	11/3/2025	50-500ppm
pH paper:211623a	4/15/2026	

Batch ID: V1T610

Print Analyst Name: Edward Durner

Processed by: BraianC / AndresA

Columns: Rxi-624(30mx0.25mmx1.4um)

Method: V8260d

Initial Cal. Method: **M1T579**

Date Archived:_____

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

Supervisor Signature- _____ Date- _____

ALS	Sample ID	Method	File ID	MS Batch, Run ID, Pv,,,, Dil.	Vial #	Purge Vol	IS/SURR	pH	STATUS	Comments
25	JE21134-10	MT579	1T25496	MS98120,V1T0610,5,,,,1		5ml		1	ok	
26	JE21134-11	MT579	2T25497	MS98120,V2T0610,5,,,,1		5ml		1	ok	
27	JE21034-6	MT579	1T25498	MS98248,V1T0610,5,,,,1		5ml		1	ok	
28	JE21292-13	MT579	2T25499	MS98233,V2T0610,5,,,,10		5/50ml		6	ok	dilution due to matrix
29	JE21330-9	MT579	1T25500	MS98282,V1T0610,5,,,,25		2/50ml		6	ok	
30	JE21292-15	MT579	2T25501	MS98233,V2T0610,5,,,,2		25/50ml		1	ok	dilution due to matrix
31	JE21330-9ms	MT579	1T25502	MS98282,V1T0610,5,,,,25		2/50ml		6	ok	25ul abk,ec,aa,2ml sample/50ml
32	JE21292-13ms	MT579	2T25503	MS98233,V2T0610,5,,,,10		5/50ml		6	ok	25ul abk,ec,aa,5ml sample/50ml
33	JE21330-9msd	MT579	1T25504	MS98282,V1T0610,5,,,,25		2/50ml		6	ok	25ul abk,ec,aa,2ml sample/50ml
34	JE21292-13msd	MT579	2T25505	MS98233,V2T0610,5,,,,10		5/50ml		6	ok	25ul abk,ec,aa,5ml sample/50ml
35	JE21330-9	MT579	1T25506	MS98282,V1T0610,5,,,,250		0.2/50ml		6	ok	
36	ib	MT579	2T25507	MS98233,V2T0610,5,,,,1		5ml			ok	
37	JE21330-7	MT579	1T25508	MS98282,V1T0610,5,,,,1		5ml		1	ok	
38	JE21330-14	MT579	2T25509	MS98282,V2T0610,5,,,,1		5ml		1	ok	
39	JE21330-15	MT579	1T25510	MS98282,V1T0610,5,,,,1		5ml		1	ok	
40	JE21330-1	MT579	2T25511	MS98282,V2T0610,5,,,,1		5ml		7	ok	
41	JE21330-2	MT579	1T25512	MS98282,V1T0610,5,,,,1		5ml		6	RR	F/D
42	JE21330-3	MT579	2T25513	MS98282,V2T0610,5,,,,1		5ml		6	ok	
43	JE21330-4	MT579	1T25514	MS98282,V1T0610,5,,,,1		5ml		6	ok	
44	JE21330-5	MT579	2T25515	MS98282,V2T0610,5,,,,1		5ml		6	ok	
45	JE21330-6	MT579	1T25516	MS98282,V1T0610,5,,,,1		5ml		7	ok	
46	JE21330-8	MT579	2T25517	MS98282,V2T0610,5,,,,1		5ml		6	ok	
47	JE21330-10	MT579	1T25518	MS98282,V1T0610,5,,,,1		5ml		7	ok	
48	JE21330-11	MT579	2T25519	MS98282,V2T0610,5,,,,1		5ml		7	ok	

SGS

VOLATILE by GCMS ANALYSIS LOG

Date: 10/20/2025

Standard data

Lot#	Expiration Date	concentration
ABK: V025-2806-4.2	11/3/2025	100-1000 ppm
EC: V025-2806-12.3	10/20/2025	100 ppm
AA: V025-2806-19.15	11/20/2025	100 ppm

Internal/SUrrogate data

Lot#	Expiration Date	concentration
IS: V025-2806-3	11/3/2025	50-500ppm
pH paper:211623a	4/15/2026	

Batch ID: V1T610

Print Analyst Name: Edward Durner

Processed by: BraianC / AndresA

Columns: Rxi-624(30mx0.25mmx1.4um)

Method: V8260d

Initial Cal. Method: **M1T579**

Date Archived:_____

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

Supervisor Signature- _____ Date- _____

ALS	Sample ID	Method	File ID	MS Batch, Run ID, Pv,,,, Dil.	Vial #	Purge Vol	IS/SURR	pH	STATUS	Comments
49	JE21330-12	MT579	1T25520	MS98282,V1T0610,5,,,,1		5ml		6	ok	
50	JE21330-13	MT579	2T25521	MS98282,V2T0610,5,,,,1		5ml		7	ok	
51	JE21330-16	MT579	1T25522	MS98282,V1T0610,5,,,,1		5ml		1	ok	
52	JE21292-12	MT579	2T25523	MS98233,V2T0610,5,,,,1		5ml		4	ok	
53	JE21292-11	MT579	1T25524	MS98233,V1T0610,5,,,,1		5ml		1	RR	surr out
54	JE21292-16	MT579	2T25525	MS98233,V2T0610,5,,,,2		25/50ml		3	ok	dilution due to smaple matrix, oily
55	JE21292-17	MT579	1T25526	MS98233,V1T0610,5,,,,1		5ml		6	ok	9:51 PM
56	JE21292-14	MT579	2T25527	MS98233,V2T0610,5,,,,1		5ml		3	ok	
57	ib	MT579	1T25528	MS98233,V1T0610,5,,,,1		5ml			ok	
58	ib	MT579	2T25529	MS98233,V2T0610,5,,,,1		5ml			ok	
59	ib	MT579	1T25530	MS98233,V1T0610,5,,,,1		5ml			ok	
60	ib	MT579	2T25531	MS98233,V2T0610,5,,,,1		5ml			ok	

SGS

VOLATILE by GCMS ANALYSIS LOG

Date: 10/16/2025

Standard data

Standard	Lot#	Expiration Date	Concentration
ABK	V025-2806-4.3	11/3/2025	100-10,000 PPM
EC	V025-2806-17.1	10/23/2025	100 PPM
AA	V025-2803-138.5	10/18/2025	100 PPM
Ext.ABK	V025-2803-148.1	10/29/2025	100-10,000 PPM
Ext.EC	V025-2806-16.2	10/21/2025	100 PPM
Ext.Acrolein	V025-2806-6.1	11/6/2025	100 PPM

	Lot#	Expiration Date	concentration
Internal/Surrogate	V025-2806-3	11/3/2025	50-500 PPM
Ext.PA	V025-2806-15.1	11/13/2025	100-1,000 PPM
Ext.Chlorodifluoromethane	V025-2803-135	10/16/2025	100 PPM

Batch ID: VL11472

Print Analyst Name: Bridget Kelly

Processed By: Mohui Huang

Columns: **Rxi-624(60m X 0.25mm X 1.4um)**

Method: **V8260D**

Initial Cal. Method: **ML11472**

Date Archived:_____

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

Supervisor Signature- _____ Date- _____

ALS	Sample ID	Method	File ID	MS Batch, Run ID, Pv,,,, Dil.	Vial #	Purge Vol	IS/SURR	STATUS	Comments
1	BFB	ML11472	L373782	MS92809,VL11472,5.0,,,,1		5		OK	
2	IC11472-0.2	ML11472	L373783	MS92809,VL11472,5.0,,,,1		5		OK	1uL Std.A/B/K,EC,AA in 500mL DI H2O
3	IC11472-0.5	ML11472	L373784	MS92809,VL11472,5.0,,,,1		5		OK	1uL Std.A/B/K,EC,AA in 200mL DI H2O
4	IC11472-1	ML11472	L373785	MS92809,VL11472,5.0,,,,1		5		OK	1uL Std.A/B/K,EC,AA in 100mL DI H2O
5	IC11472-2	ML11472	L373786	MS92809,VL11472,5.0,,,,1		5		OK	1uL Std.A/B/K,EC,AA in 50mL DI H2O
6	IC11472-4	ML11472	L373787	MS92809,VL11472,5.0,,,,1		5		OK	2uL Std.A/B/K,EC,AA in 50mL DI H2O
7	IC11472-8	ML11472	L373788	MS92809,VL11472,5.0,,,,1		5		OK	4uL Std.A/B/K,EC,AA in 50mL DI H2O
8	IC11472-20	ML11472	L373789	MS92809,VL11472,5.0,,,,1		5		OK	10uL Std.A/B/K,EC,AA in 50mL DI H2O
9	ICC11472-50	ML11472	L373790	MS92809,VL11472,5.0,,,,1		5		OK	25uL Std.A/B/K,EC,AA in 50mL DI H2O
10	IC11472-100	ML11472	L373791	MS92809,VL11472,5.0,,,,1		5		OK	50uL Std.A/B/K,EC,AA in 50mL DI H2O
11	IC11472-200	ML11472	L373792	MS92809,VL11472,5.0,,,,1		5		OK	100uL Std.A/B/K,EC,AA in 50mL DI H2O
12	IB	ML11472	L373793	MS92809,VL11472,5.0,,,,1		5		OK	
13	IB	ML11472	L373794	MS92809,VL11472,5.0,,,,1		5		OK	
14	ICV11472-50	ML11472	L373795	MS92809,VL11472,5.0,,,,1		5		OK	25uL Ext.A/B/K,EC,Acrolein, in 50mL DI H2O
15	ICV11472-50	ML11472	L373796	MS92809,VL11472,5.0,,,,1		5		OK	25uL Ext.PA,Chlorodifluoromethane in 50mL DI H2O
16	IB	ML11472	L373797	MS92809,VL11472,5.0,,,,1		5		OK	

SGS

VOLATILE by GCMS ANALYSIS LOG

Date: 10/22/25

Standard data

Lot#	Expiration Date	concentration
AA: V025-2806-19.4	11/20/2025	100ppm
ABK:V025-2806-4.2	11/3/2025	100-10000ppm
EC: V025-2806-12.3	10/20/2025	100ppm

Internal/SUrrogate data

Lot#	Expiration Date	concentration
IS:V025-2806-3	11/3/2025	50-500PPM
pH paper:211623a	4/15/2026	

Batch ID: VL11478

Print Analyst Name: Bridget Kelly

Processed By: NataliaL/MichaellaB

Columns: Rxi-624(30mx0.25mmx1.4um)

Method: V8260D

Initial Cal. Method: VL11472

Date Archived:_____

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

Supervisor Signature- _____ Date- _____

ALS	Sample ID	Method	File ID	MS Batch, Run ID, Pv,,,, Dil.	Vial #	Purge Vol	IS/SURR	pH	STATUS	Comments
28	ib	ML11472	L373951	MS98394,VL11477,5,,,,1		5ml			OK	
29	cc11472-50	ML11472	L373952	MS98394,VL11478,5,,,,1		5ml			OK	50ul abk,ec,aa/100ml; 11:34 pm
30	cc11472-2	ML11472	L373953	MS98394,VL11478,5,,,,1		5ml			OK	2ul abk,ec,aa/100ml;
30	bs	ML11472	L373954	MS98394,VL11478,5,,,,1		5ml			OK	50ul abk,ec,aa/100ml
31	ib	ML11472	L373955	MS98394,VL11478,5,,,,1		5ml			OK	
32	mb	ML11472	L373956	MS98394,VL11478,5,,,,1		5ml			OK	
33	je21501-1	ML11472	L373957	MS98380,VL11478,5,,,,1		5ml		1	OK	
34	je21501-2	ML11472	L373958	MS98380,VL11478,5,,,,1		5ml		1	OK	
35	je21501-1ms	ML11472	L373959	MS98380,VL11478,5,,,,1		5ml		1	OK	20 uL ABK EC AA / 40 mL
36	je21501-1msd	ML11472	L373960	MS98380,VL11478,5,,,,1		5ml		1	OK	20 uL ABK EC AA / 40 mL
37	ib	ML11472	L373961	MS98380,VL11478,5,,,,1		5ml			OK	
38	je21378-8	ML11472	L373962	MS98301,VL11478,5,,,,1		5ml		2	OK	
39	je21034-3	ML11472	L373963	MS98098,VL11478,5,,,,1		5ml		3	OK	
40	je21034-4	ML11472	L373964	MS98098,VL11478,5,,,,1		5ml		1	OK	
41	je21034-5	ML11472	L373965	MS98098,VL11478,5,,,,1		5ml		1	OK	
42	je21034-7	ML11472	L373966	MS98098,VL11478,5,,,,1		5ml		1	OK	
43	je21034-8	ML11472	L373967	MS98098,VL11478,5,,,,1		5ml		1	OK	
44	je20915-2	ML11472	L373968	MS98032,VL11478,5,,,,1		5ml		1	OK	
45	je20915-3	ML11472	L373969	MS98032,VL11478,5,,,,1		5ml		1	OK	
46	je20915-5	ML11472	L373970	MS98032,VL11478,5,,,,1		5ml		1	OK	
47	je20915-7	ML11472	L373971	MS98032,VL11478,5,,,,1		5ml		1	OK	
48	je20915-8	ML11472	L373972	MS98032,VL11478,5,,,,4		12.5/50ml		1	OK	
49	je20915-9	ML11472	L373973	MS98032,VL11478,5,,,,1		5ml		1	OK	
50	je20915-11	ML11472	L373974	MS98032,VL11478,5,,,,1		5ml		1	OK	
51	je20915-12	ML11472	L373975	MS98032,VL11478,5,,,,1		5ml		1	OK	
52	je20915-13	ML11472	L373976	MS98032,VL11478,5,,,,1		5ml		1	OK	
53	je20915-14	ML11472	L373977	MS98032,VL11478,5,,,,1		5ml		1	OK	
54	je20915-6	ML11472	L373978	MS98032,VL11478,5,,,,1		5ml		1	OK	
55	je20915-4	ML11472	L373979	MS98032,VL11478,5,,,,1		5ml		1	OK	10:56 AM

SGS

VOLATILE by GCMS ANALYSIS LOG

Date: 10/22/25

Standard data

Lot#	Expiration Date	concentration
AA: V025-2806-19.4	11/20/2025	100ppm
ABK:V025-2806-4.2	11/3/2025	100-10000ppm
EC: V025-2806-12.3	10/20/2025	100ppm

Internal/SUrrogate data

Lot#	Expiration Date	concentration
IS:V025-2806-3	11/3/2025	50-500PPM
pH paper:211623a	4/15/2026	

Batch ID: VL11478

Print Analyst Name: Bridget Kelly

Processed By: NataliaL/MichaellaB

Columns: Rxi-624(30mx0.25mmx1.4um)

Method: V8260D

Initial Cal. Method: VL11472

Date Archived:_____

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

Supervisor Signature- _____ Date- _____

ALS	Sample ID	Method	File ID	MS Batch, Run ID, Pv,,,, Dil.	Vial #	Purge Vol	IS/SURR	pH	STATUS	Comments

MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (DFTPP)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method Blank Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP68166A-MB1	2M144244.D	1	10/18/25	RS	10/15/25	OP68166A	E2M6525

The QC reported here applies to the following samples: **Method:** SW846 8270E BY SIM

JE21034-3, JE21034-4, JE21034-5, JE21034-7, JE21034-8

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.080	0.040	ug/l	
208-96-8	Acenaphthylene	ND	0.080	0.040	ug/l	
120-12-7	Anthracene	0.0442	0.080	0.040	ug/l	J
56-55-3	Benzo(a)anthracene	ND	0.040	0.024	ug/l	
50-32-8	Benzo(a)pyrene	0.0303	0.040	0.024	ug/l	J
205-99-2	Benzo(b)fluoranthene	0.0508	0.040	0.024	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.080	0.040	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.080	0.040	ug/l	
218-01-9	Chrysene	ND	0.080	0.040	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.080	0.040	ug/l	
206-44-0	Fluoranthene	0.0472	0.080	0.040	ug/l	J
86-73-7	Fluorene	ND	0.080	0.040	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.080	0.040	ug/l	
91-20-3	Naphthalene	ND	0.080	0.040	ug/l	
85-01-8	Phenanthrene	0.0842	0.080	0.040	ug/l	
129-00-0	Pyrene	ND	0.080	0.040	ug/l	

CAS No.	Surrogate Recoveries		Limits
4165-60-0	Nitrobenzene-d5	38%	29-124%
321-60-8	2-Fluorobiphenyl	34%	23-122%
1718-51-0	Terphenyl-d14	78%	22-130%

Method Blank Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP68253A-MB1	CS9117.D	1	10/18/25	RS	10/17/25	OP68253A	ECS470

The QC reported here applies to the following samples: **Method:** SW846 8270E BY SIM

JE21034-1, JE21034-6

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.080	0.040	ug/l	
208-96-8	Acenaphthylene	ND	0.080	0.040	ug/l	
120-12-7	Anthracene	ND	0.080	0.040	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.040	0.024	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.040	0.024	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.040	0.024	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.080	0.040	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.080	0.040	ug/l	
218-01-9	Chrysene	ND	0.080	0.040	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.080	0.040	ug/l	
206-44-0	Fluoranthene	ND	0.080	0.040	ug/l	
86-73-7	Fluorene	ND	0.080	0.040	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.080	0.040	ug/l	
91-20-3	Naphthalene	ND	0.080	0.040	ug/l	
85-01-8	Phenanthrene	ND	0.080	0.040	ug/l	
129-00-0	Pyrene	ND	0.080	0.040	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	50%	15-110%
4165-62-2	Phenol-d5	35%	12-110%
118-79-6	2,4,6-Tribromophenol	85%	32-143%
4165-60-0	Nitrobenzene-d5	69%	29-124%
321-60-8	2-Fluorobiphenyl	61%	23-122%
1718-51-0	Terphenyl-d14	71%	22-130%

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP68166A-BS12	2M144245.D	1	10/18/25	RS	10/15/25	OP68166A	E2M6525
OP68166A-BSD12	2M144246.D	1	10/18/25	RS	10/15/25	OP68166A	E2M6525

The QC reported here applies to the following samples: **Method:** SW846 8270E BY SIM

JE21034-3, JE21034-4, JE21034-5, JE21034-7, JE21034-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	0.8	0.400	50	0.449	56	12	31-135/38
208-96-8	Acenaphthylene	0.8	0.399	50	0.453	57	13	28-130/42
120-12-7	Anthracene	0.8	0.397	50	0.427	53	7	40-125/32
56-55-3	Benzo(a)anthracene	0.8	0.549	69	0.566	71	3	38-132/31
50-32-8	Benzo(a)pyrene	0.8	0.471	59	0.456	57	3	31-110/37
205-99-2	Benzo(b)fluoranthene	0.8	0.603	75	0.639	80	6	31-113/37
191-24-2	Benzo(g,h,i)perylene	0.8	0.383	48	0.340	43	12	18-110/54
207-08-9	Benzo(k)fluoranthene	0.8	0.528	66	0.523	65	1	31-119/43
218-01-9	Chrysene	0.8	0.493	62	0.512	64	4	43-119/33
53-70-3	Dibenzo(a,h)anthracene	0.8	0.421	53	0.347	43	19	20-112/50
206-44-0	Fluoranthene	0.8	0.468	59	0.538	67	14	48-118/27
86-73-7	Fluorene	0.8	0.476	60	0.537	67	12	42-123/34
193-39-5	Indeno(1,2,3-cd)pyrene	0.8	0.406	51	0.330	41	21	18-113/49
91-20-3	Naphthalene	0.8	0.411	51	0.536	67	26	30-114/40
85-01-8	Phenanthrene	0.8	0.529	66	0.570	71	7	45-125/31
129-00-0	Pyrene	0.8	0.383	48	0.437	55	13	48-125/29

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
4165-60-0	Nitrobenzene-d5	70%	88%	29-124%
321-60-8	2-Fluorobiphenyl	78%	87%	23-122%
1718-51-0	Terphenyl-d14	85%	102%	22-130%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP68253A-BS12	CS9119.D	1	10/18/25	RS	10/17/25	OP68253A	ECS470
OP68253A-BSD12	CS9120.D	1	10/18/25	RS	10/17/25	OP68253A	ECS470

The QC reported here applies to the following samples: **Method:** SW846 8270E BY SIM

JE21034-1, JE21034-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	0.8	0.477	60	0.587	73	21	31-135/38
208-96-8	Acenaphthylene	0.8	0.539	67	0.618	77	14	28-130/42
120-12-7	Anthracene	0.8	0.616	77	0.675	84	9	40-125/32
56-55-3	Benzo(a)anthracene	0.8	0.581	73	0.546	68	6	38-132/31
50-32-8	Benzo(a)pyrene	0.8	0.446	56	0.360	45	21	31-110/37
205-99-2	Benzo(b)fluoranthene	0.8	0.503	63	0.426	53	17	31-113/37
191-24-2	Benzo(g,h,i)perylene	0.8	0.350	44	0.256	32	31	18-110/54
207-08-9	Benzo(k)fluoranthene	0.8	0.561	70	0.498	62	12	31-119/43
218-01-9	Chrysene	0.8	0.564	71	0.532	67	6	43-119/33
53-70-3	Dibenzo(a,h)anthracene	0.8	0.388	49	0.302	38	25	20-112/50
206-44-0	Fluoranthene	0.8	0.600	75	0.636	80	6	48-118/27
86-73-7	Fluorene	0.8	0.516	65	0.623	78	19	42-123/34
193-39-5	Indeno(1,2,3-cd)pyrene	0.8	0.349	44	0.255	32	31	18-113/49
91-20-3	Naphthalene	0.8	0.398	50	1.07	134* [a]	92* [b]	30-114/40
85-01-8	Phenanthrene	0.8	0.597	75	0.728	91	20	45-125/31
129-00-0	Pyrene	0.8	0.612	77	0.631	79	3	48-125/29

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
367-12-4	2-Fluorophenol	53%	47%	15-110%
4165-62-2	Phenol-d5	40%	33%	12-110%
118-79-6	2,4,6-Tribromophenol	94%	96%	32-143%
4165-60-0	Nitrobenzene-d5	68%	68%	29-124%
321-60-8	2-Fluorobiphenyl	66%	58%	23-122%
1718-51-0	Terphenyl-d14	80%	81%	22-130%

(a) Outside control limits. BS met criteria.
(b) Analytical precision exceeds in-house control limits.

* = Outside of Control Limits.

Instrument Performance Check (DFTPP)

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: E2M6496-DFTPP
Lab File ID: 2M143444.D
Instrument ID: GCMS2M
Injection Date: 09/18/25
Injection Time: 13:52

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	78454	56.8		Pass
68	Less than 2.0% of mass 69	896	0.65	(1.52) [a]	Pass
69	Mass 69 relative abundance	58816	42.6		Pass
70	Less than 2.0% of mass 69	449	0.32	(0.76) [a]	Pass
127	40.0 - 60.0% of mass 198	74491	53.9		Pass
197	Less than 1.0% of mass 198	636	0.46		Pass
198	Base peak, 100% relative abundance	138165	100.0		Pass
199	5.0 - 9.0% of mass 198	9254	6.70		Pass
275	10.0 - 30.0% of mass 198	32380	23.4		Pass
365	1.0 - 100.0% of mass 198	3608	2.61		Pass
441	Present, but less than mass 443	12751	9.23	(77.9) [b]	Pass
442	40.0 - 100.0% of mass 198	81107	58.7		Pass
443	17.0 - 23.0% of mass 442	16370	11.8	(20.2) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
E2M6496-IC6496	2M143454.D	09/18/25	16:55	03:03	Initial cal 0.002
E2M6496-IC6496	2M143455.D	09/18/25	17:16	03:24	Initial cal 0.004
E2M6496-IC6496	2M143456.D	09/18/25	17:36	03:44	Initial cal 0.01
E2M6496-IC6496	2M143457.D	09/18/25	17:57	04:05	Initial cal 0.02
E2M6496-IC6496	2M143458.D	09/18/25	18:17	04:25	Initial cal 0.04
E2M6496-IC6496	2M143459.D	09/18/25	18:37	04:45	Initial cal 0.1
E2M6496-ICC6496	2M143460.D	09/18/25	18:58	05:06	Initial cal 0.2
E2M6496-IC6496	2M143461.D	09/18/25	19:18	05:26	Initial cal 0.5
E2M6496-IC6496	2M143462.D	09/18/25	19:39	05:47	Initial cal 1
E2M6496-IC6496	2M143463.D	09/18/25	19:59	06:07	Initial cal 2
E2M6496-ICV6496	2M143464.D	09/18/25	20:20	06:28	Initial cal verification 0.2
E2M6496-ICV6496	2M143465.D	09/18/25	20:40	06:48	Initial cal verification 1

Instrument Performance Check (DFTPP)

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: E2M6525-DFTPP
Lab File ID: 2M144237.D
Instrument ID: GCMS2M
Injection Date: 10/18/25
Injection Time: 11:37

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	64497	47.0		Pass
68	Less than 2.0% of mass 69	933	0.68	(1.75) [a]	Pass
69	Mass 69 relative abundance	53423	38.9		Pass
70	Less than 2.0% of mass 69	521	0.38	(0.98) [a]	Pass
127	40.0 - 60.0% of mass 198	71752	52.3		Pass
197	Less than 1.0% of mass 198	519	0.38		Pass
198	Base peak, 100% relative abundance	137173	100.0		Pass
199	5.0 - 9.0% of mass 198	8815	6.43		Pass
275	10.0 - 30.0% of mass 198	33009	24.1		Pass
365	1.0 - 100.0% of mass 198	4139	3.02		Pass
441	Present, but less than mass 443	14263	10.4	(86.6) [b]	Pass
442	40.0 - 100.0% of mass 198	89069	64.9		Pass
443	17.0 - 23.0% of mass 442	16477	12.0	(18.5) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
E2M6525-CC6496	2M144238.D	10/18/25	11:56	00:19	Continuing cal 0.2
E2M6525-CC6496	2M144239.D	10/18/25	12:47	01:10	Continuing cal 0.02
OP68287C-MB1	2M144241.D	10/18/25	13:27	01:50	Method Blank
OP68287C-BS12	2M144242.D	10/18/25	13:48	02:11	Blank Spike
OP68287C-BSD12	2M144243.D	10/18/25	14:08	02:31	Blank Spike Duplicate
OP68166A-MB1	2M144244.D	10/18/25	14:28	02:51	Method Blank
OP68166A-BS12	2M144245.D	10/18/25	14:49	03:12	Blank Spike
OP68166A-BSD12	2M144246.D	10/18/25	15:09	03:32	Blank Spike Duplicate
ZZZZZZ	2M144247.D	10/18/25	15:30	03:53	(unrelated sample)
ZZZZZZ	2M144248.D	10/18/25	15:51	04:14	(unrelated sample)
ZZZZZZ	2M144249.D	10/18/25	16:11	04:34	(unrelated sample)
ZZZZZZ	2M144250.D	10/18/25	16:32	04:55	(unrelated sample)
ZZZZZZ	2M144251.D	10/18/25	16:53	05:16	(unrelated sample)
ZZZZZZ	2M144253.D	10/18/25	17:34	05:57	(unrelated sample)
ZZZZZZ	2M144254.D	10/18/25	17:54	06:17	(unrelated sample)
ZZZZZZ	2M144255.D	10/18/25	18:15	06:38	(unrelated sample)
ZZZZZZ	2M144256.D	10/18/25	18:35	06:58	(unrelated sample)
ZZZZZZ	2M144257.D	10/18/25	18:56	07:19	(unrelated sample)
ZZZZZZ	2M144258.D	10/18/25	19:17	07:40	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample:	E2M6525-DFTPP	**Injection Date:**	10/18/25
Lab File ID:	2M144237.D	**Injection Time:**	11:37
Instrument ID:	GCMS2M		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	2M144259.D	10/18/25	19:37	08:00	(unrelated sample)
ZZZZZZ	2M144260.D	10/18/25	19:58	08:21	(unrelated sample)
JE21034-3	2M144262.D	10/18/25	20:38	09:01	MW-EPA-10 10102025
JE21034-5	2M144264.D	10/18/25	21:19	09:42	MW-EPA-02R 10102025
JE21034-7	2M144265.D	10/18/25	21:40	10:03	MW-EPA-06 10102025
JE21034-8	2M144266.D	10/18/25	22:00	10:23	MW-SS-09-06 10102025
ZZZZZZ	2M144267.D	10/18/25	22:20	10:43	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: ECS446-DFTPP
Lab File ID: CS8567.D
Instrument ID: GCMSCS
Injection Date: 09/17/25
Injection Time: 11:06

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	86464	50.0		Pass
68	Less than 2.0% of mass 69	1028	0.59	(1.36) [a]	Pass
69	Mass 69 relative abundance	75795	43.8		Pass
70	Less than 2.0% of mass 69	407	0.24	(0.54) [a]	Pass
127	40.0 - 60.0% of mass 198	97965	56.6		Pass
197	Less than 1.0% of mass 198	869	0.50		Pass
198	Base peak, 100% relative abundance	173072	100.0		Pass
199	5.0 - 9.0% of mass 198	11562	6.68		Pass
275	10.0 - 31.0% of mass 198	32624	18.8		Pass
365	1.0 - 100.0% of mass 198	3128	1.81		Pass
441	Present, but less than mass 443	13092	7.56	(74.8) [b]	Pass
442	40.0 - 100.0% of mass 198	89987	52.0		Pass
443	17.0 - 23.0% of mass 442	17505	10.1	(19.5) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ECS446-IC446	CS8568.D	09/17/25	11:28	00:22	Initial cal 0.002
ECS446-IC446	CS8569.D	09/17/25	11:55	00:49	Initial cal 0.004
ECS446-IC446	CS8570.D	09/17/25	12:22	01:16	Initial cal 0.01
ECS446-IC446	CS8571.D	09/17/25	12:48	01:42	Initial cal 0.02
ECS446-IC446	CS8572.D	09/17/25	13:15	02:09	Initial cal 0.04
ECS446-IC446	CS8573.D	09/17/25	13:42	02:36	Initial cal 0.1
ECS446-ICC446	CS8574.D	09/17/25	14:09	03:03	Initial cal 0.2
ECS446-IC446	CS8575.D	09/17/25	14:35	03:29	Initial cal 0.5
ECS446-IC446	CS8576.D	09/17/25	15:02	03:56	Initial cal 1
ECS446-IC446	CS8577.D	09/17/25	15:29	04:23	Initial cal 2
ECS446-ICV446	CS8578.D	09/17/25	15:56	04:50	Initial cal verification 0.2
ECS446-ICV446	CS8579.D	09/17/25	16:22	05:16	Initial cal verification 1

Instrument Performance Check (DFTPP)

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: EZ8654-DFTPP
Lab File ID: Z175452.D
Instrument ID: GCMSZ
Injection Date: 09/10/25
Injection Time: 11:31

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	19401	52.0		Pass
68	Less than 2.0% of mass 69	280	0.75	(1.34) [a]	Pass
69	Mass 69 relative abundance	20904	56.0		Pass
70	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
127	40.0 - 60.0% of mass 198	20591	55.2		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	37320	100.0		Pass
199	5.0 - 9.0% of mass 198	2745	7.36		Pass
275	10.0 - 30.0% of mass 198	9725	26.1		Pass
365	1.0 - 100.0% of mass 198	1119	3.00		Pass
441	Present, but less than mass 443	5183	13.9	(87.9) [b]	Pass
442	40.0 - 100.0% of mass 198	29924	80.2		Pass
443	17.0 - 23.0% of mass 442	5894	15.8	(19.7) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EZ8654-IC8654	Z175453.D	09/10/25	12:13	00:42	Initial cal 0.002
EZ8654-IC8654	Z175454.D	09/10/25	12:38	01:07	Initial cal 0.004
EZ8654-IC8654	Z175455.D	09/10/25	13:05	01:34	Initial cal 0.01
EZ8654-IC8654	Z175456.D	09/10/25	13:29	01:58	Initial cal 0.02
EZ8654-IC8654	Z175457.D	09/10/25	13:54	02:23	Initial cal 0.04
EZ8654-IC8654	Z175458.D	09/10/25	14:19	02:48	Initial cal 0.1
EZ8654-ICC8654	Z175459.D	09/10/25	14:44	03:13	Initial cal 0.2
EZ8654-IC8654	Z175460.D	09/10/25	15:09	03:38	Initial cal 0.5
EZ8654-IC8654	Z175461.D	09/10/25	15:36	04:05	Initial cal 1
EZ8654-IC8654	Z175462.D	09/10/25	16:01	04:30	Initial cal 2
EZ8654-ICV8654	Z175464.D	09/10/25	16:51	05:20	Initial cal verification 1
EZ8654-ICV8654	Z175466.D	09/10/25	17:41	06:10	Initial cal verification 0.2

Instrument Performance Check (DFTPP)

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: EZ8690-DFTPP
Lab File ID: Z176466.D
Instrument ID: GCMSZ
Injection Date: 10/19/25
Injection Time: 11:41

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	10610	43.2		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	11531	47.0		Pass
70	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
127	40.0 - 60.0% of mass 198	11238	45.8		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	24537	100.0		Pass
199	5.0 - 9.0% of mass 198	1712	6.98		Pass
275	10.0 - 30.0% of mass 198	4959	20.2		Pass
365	1.0 - 100.0% of mass 198	515	2.10		Pass
441	Present, but less than mass 443	2475	10.1	(77.4) [b]	Pass
442	40.0 - 100.0% of mass 198	15507	63.2		Pass
443	17.0 - 23.0% of mass 442	3197	13.0	(20.6) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EZ8690-CC8654	Z176467.D	10/19/25	11:54	00:13	Continuing cal 0.2
EZ8690-CC8654	Z176468.D	10/19/25	12:19	00:38	Continuing cal 0.2
OP68256A-MB1	Z176470.D	10/19/25	13:28	01:47	Method Blank
OP68273A-MB1	Z176471.D	10/19/25	13:53	02:12	Method Blank
ZZZZZZ	Z176472.D	10/19/25	14:18	02:37	(unrelated sample)
OP68256A-BS12	Z176473.D	10/19/25	14:44	03:03	Blank Spike
OP68256A-BSD12	Z176474.D	10/19/25	15:10	03:29	Blank Spike Duplicate
OP68273A-BS12	Z176475.D	10/19/25	15:36	03:55	Blank Spike
ZZZZZZ	Z176476.D	10/19/25	16:02	04:21	(unrelated sample)
ZZZZZZ	Z176477.D	10/19/25	16:27	04:46	(unrelated sample)
ZZZZZZ	Z176478.D	10/19/25	16:53	05:12	(unrelated sample)
ZZZZZZ	Z176479.D	10/19/25	17:19	05:38	(unrelated sample)
ZZZZZZ	Z176480.D	10/19/25	17:45	06:04	(unrelated sample)
ZZZZZZ	Z176481.D	10/19/25	18:10	06:29	(unrelated sample)
ZZZZZZ	Z176482.D	10/19/25	18:36	06:55	(unrelated sample)
ZZZZZZ	Z176483.D	10/19/25	19:01	07:20	(unrelated sample)
ZZZZZZ	Z176484.D	10/19/25	19:27	07:46	(unrelated sample)
ZZZZZZ	Z176485.D	10/19/25	19:52	08:11	(unrelated sample)
JE21228-10	Z176486.D	10/19/25	20:18	08:37	(used for QC only; not part of job JE21034)

Instrument Performance Check (DFTPP)

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample:	EZ8690-DFTPP	**Injection Date:**	10/19/25
Lab File ID:	Z176466.D	**Injection Time:**	11:41
Instrument ID:	GCMSZ		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	Z176487.D	10/19/25	20:43	09:02	(unrelated sample)
ZZZZZZ	Z176488.D	10/19/25	21:08	09:27	(unrelated sample)
ZZZZZZ	Z176489.D	10/19/25	21:33	09:52	(unrelated sample)
JE21228-10F	Z176490.D	10/19/25	21:59	10:18	(used for QC only; not part of job JE21034)
JE21034-4	Z176491.D	10/19/25	22:24	10:43	MW-SS-09-07 10102025
ZZZZZZ	Z176492.D	10/19/25	22:49	11:08	(unrelated sample)
ZZZZZZ	Z176493.D	10/19/25	23:15	11:34	(unrelated sample)
ZZZZZZ	Z176494.D	10/19/25	23:40	11:59	(unrelated sample)

Internal Standard Area Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Check Std: E2M6525-CC6496
Lab File ID: 2M144238.D
Instrument ID: GCMS2M
Injection Date: 10/18/25
Injection Time: 11:56
Method: SW846 8270E BY SIM

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT
Check Std	46584	5.36	56891	6.36	80530	8.19	56438	10.80
Upper Limit [a]	93168	5.86	113782	6.86	161060	8.69	112876	11.30
Lower Limit [b]	23292	4.86	28446	5.86	40265	7.69	28219	10.30

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT
OP68287C-MB1	25036	5.36	30418	6.36	52043	8.18	52862	10.80
OP68287C-BS12	32492	5.36	40495	6.36	59393	8.19	62983	10.80
OP68287C-BSD12	30532	5.36	38255	6.36	66860	8.18	63599	10.80
OP68166A-MB1	29951	5.36	38784	6.36	57119	8.19	47391	10.80
OP68166A-BS12	34417	5.36	37868	6.36	52606	8.19	52559	10.80
OP68166A-BSD12	34802	5.36	42621	6.36	61032	8.19	54115	10.80
ZZZZZZ	28847	5.36	36819	6.36	71283	8.19	64707	10.80
ZZZZZZ	26805	5.36	33585	6.36	57654	8.18	62308	10.80
ZZZZZZ	30720	5.36	38773	6.36	67962	8.19	71363	10.80
ZZZZZZ	29052	5.36	35449	6.36	59220	8.18	59530	10.80
ZZZZZZ	30006	5.36	37642	6.36	66961	8.19	62850	10.80
ZZZZZZ	35829	5.36	44513	6.36	82673	8.19	99004	10.80
ZZZZZZ	35167	5.36	42693	6.36	74735	8.19	84038	10.80
ZZZZZZ	31325	5.36	38355	6.36	67513	8.18	72780	10.80
ZZZZZZ	61097	5.36	86362	6.36	132611	8.19	126973[c]	10.80
ZZZZZZ	60019	5.36	90383	6.36	136333	8.19	112720	10.80
ZZZZZZ	57501	5.36	79423	6.36	128894	8.19	105568	10.80
ZZZZZZ	56775	5.36	74928	6.36	123974	8.18	94259	10.80
ZZZZZZ	42462	5.36	66086	6.36	103379	8.18	82253	10.80
JE21034-3	36522	5.36	51483	6.36	87361	8.19	83691	10.80
JE21034-5	28299	5.36	34998	6.36	58254	8.18	54666	10.80
JE21034-7	42473	5.36	51259	6.36	100326	8.18	75045	10.80
JE21034-8	29727	5.36	38840	6.36	80211	8.18	86622	10.80
ZZZZZZ	37978	5.36	56901	6.36	109213	8.19	116729[c]	10.80

IS 1 = 1-Methylnaphthalene-d10
IS 2 = Fluorene-d10
IS 3 = Fluoranthene-d10
IS 4 = Benzo(a)pyrene-d12

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Response outside of control limits; ISTD does not reference any reported target analytes.

Internal Standard Area Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Check Std:	ECS470-CC446	**Injection Date:**	10/18/25
Lab File ID:	CS9115.D	**Injection Time:**	15:43
Instrument ID:	GCMSCS	**Method:**	SW846 8270E BY SIM

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT
Check Std	51854	8.86	66447	10.15	99459	12.71	54104	16.78
Upper Limit [a]	103708	9.36	132894	10.65	198918	13.21	108208	17.28
Lower Limit [b]	25927	8.36	33224	9.65	49730	12.21	27052	16.28

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT
OP68253A-MB1	54985	8.86	69541	10.16	101132	12.71	56125	16.79
ZZZZZZ	57501	8.86	71552	10.15	98909	12.71	54384	16.79
OP68253A-BS12	60652	8.86	76944	10.15	112191	12.71	59986	16.78
OP68253A-BSD12	55759	8.86	71162	10.15	103190	12.71	55640	16.79
JE21034-1	54179	8.86	66753	10.15	89576	12.71	50285	16.79
JE21034-6	57757	8.86	73695	10.15	105847	12.71	55770	16.78
ZZZZZZ	52264	8.86	66084	10.15	94708	12.71	50278	16.78
ZZZZZZ	56282	8.86	71078	10.15	100458	12.71	53321	16.78
ZZZZZZ	56665	8.86	71790	10.15	103684	12.71	55298	16.78
ZZZZZZ	55427	8.86	70298	10.15	101307	12.71	53446	16.78
ZZZZZZ	54777	8.86	69172	10.15	97924	12.71	52203	16.78
ZZZZZZ	55414	8.86	70121	10.15	99754	12.71	53201	16.78
ZZZZZZ	59406	8.86	74012	10.15	102311	12.71	54569	16.78
ZZZZZZ	81846	8.86	110284	10.16	107954	12.72	59745	16.79
ZZZZZZ	62805	8.86	85073	10.15	94568	12.71	53625	16.78
ZZZZZZ	63666	8.86	81864	10.15	107412	12.71	57730	16.78
ZZZZZZ	57124	8.86	71256	10.15	97432	12.71	52865	16.78
ZZZZZZ	53988	8.86	67606	10.15	92905	12.71	50909	16.78
ZZZZZZ	55077	8.86	69399	10.15	94877	12.71	52474	16.78

IS 1 = 1-Methylnaphthalene-d10
IS 2 = Fluorene-d10
IS 3 = Fluoranthene-d10
IS 4 = Benzo(a)pyrene-d12

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Internal Standard Area Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Check Std:	ECS475-CC446	**Injection Date:**	10/24/25
Lab File ID:	CS9243.D	**Injection Time:**	12:23
Instrument ID:	GCMSCS	**Method:**	SW846 8270E BY SIM

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT
Check Std	55622	8.87	69395	10.17	101806	12.72	55967	16.80
Upper Limit [a]	111244	9.37	138790	10.67	203612	13.22	111934	17.30
Lower Limit [b]	27811	8.37	34698	9.67	50903	12.22	27984	16.30

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT
OP68290A-MB1	78402	8.87	97924	10.17	140958	12.72	68140	16.80
OP68406A-MB1	65842	8.87	80992	10.17	115905	12.72	57673	16.80
ZZZZZZ	59769	8.87	73830	10.17	109027	12.72	55012	16.79
OP68290A-BS12	59878	8.87	71790	10.17	98826	12.72	47481	16.79
OP68290A-BSD12	58358	8.87	70954	10.17	100675	12.72	49810	16.80
OP68406A-BS12	56406	8.87	68636	10.17	98023	12.72	48351	16.80
OP68406A-BSD12	54910	8.87	67275	10.17	96187	12.72	47687	16.80
ZZZZZZ	61508	8.87	74580	10.16	104900	12.72	48833	16.80
ZZZZZZ	62933	8.87	77017	10.17	111105	12.72	52956	16.79
ZZZZZZ	64066	8.87	78216	10.17	112660	12.72	53445	16.79
ZZZZZZ	67675	8.87	81745	10.17	117281	12.72	54530	16.79
ZZZZZZ	67631	8.87	81241	10.17	115998	12.72	53064	16.79
ZZZZZZ	61542	8.87	73406	10.17	104358	12.72	48161	16.79
ZZZZZZ	58132	8.87	70175	10.17	102274	12.72	49630	16.80
ZZZZZZ	64102	8.87	77490	10.16	111491	12.72	51556	16.80
ZZZZZZ	61855	8.87	75913	10.17	112809	12.72	54787	16.79
ZZZZZZ	71323	8.87	85673	10.16	119321	12.72	56557	16.80
ZZZZZZ	56262	8.87	68729	10.17	101518	12.72	47248	16.79
ZZZZZZ	61046	8.87	73742	10.16	105762	12.72	49919	16.79
ZZZZZZ	61898	8.87	74131	10.17	99135	12.72	47265	16.79
JE21034-8 [c]	53388	8.87	65641	10.17	93163	12.72	45143	16.79
ZZZZZZ	60791	8.87	73209	10.16	102725	12.72	47603	16.79
ZZZZZZ	45107	8.87	70066	10.17	97854	12.72	52087	16.79
ZZZZZZ	60875	8.87	89114	10.17	107967	12.72	54017	16.79

IS 1 = 1-Methylnaphthalene-d10
IS 2 = Fluorene-d10
IS 3 = Fluoranthene-d10
IS 4 = Benzo(a)pyrene-d12

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Sample extracted outside the holding time. Confirmation run.

Internal Standard Area Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Check Std: EZ8690-CC8654
Lab File ID: Z176467.D
Instrument ID: GCMSZ
Injection Date: 10/19/25
Injection Time: 11:54
Method: SW846 8270E BY SIM

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT
Check Std	13255	5.89	17861	7.15	29498	9.79	23410	13.96
Upper Limit [a]	26510	6.39	35722	7.65	58996	10.29	46820	14.46
Lower Limit [b]	6628	5.39	8931	6.65	14749	9.29	11705	13.46

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT
OP68256A-MB1	13825	5.89	17458	7.15	27959	9.79	21349	13.96
OP68273A-MB1	13812	5.89	17869	7.15	27188	9.79	21983	13.96
ZZZZZZ	13995	5.89	18009	7.15	28925	9.79	22973	13.95
OP68256A-BS12	14575	5.89	19662	7.15	31996	9.79	24540	13.96
OP68256A-BSD12	13500	5.89	18607	7.15	29686	9.79	23512	13.96
OP68273A-BS12	13583	5.89	18355	7.15	29072	9.79	23007	13.96
ZZZZZZ	12897	5.89	19134	7.15	29712	9.79	24174	13.96
ZZZZZZ	14723	5.89	19414	7.15	32306	9.79	24512	13.95
ZZZZZZ	20474	5.90	27679	7.15	31170	9.80	26228	13.96
ZZZZZZ	17003	5.89	21522	7.15	34665	9.79	29062	13.96
ZZZZZZ	16879	5.89	21551	7.15	33658	9.79	27711	13.96
ZZZZZZ	14942	5.89	18782	7.15	30455	9.79	24727	13.95
ZZZZZZ	14114	5.89	18444	7.15	30507	9.79	24601	13.96
ZZZZZZ	14227	5.89	16978	7.15	28248	9.79	23212	13.96
ZZZZZZ	13086	5.89	18350	7.13	28955	9.79	24320	13.96
ZZZZZZ	14581	5.89	17804	7.15	29056	9.79	23811	13.95
JE21228-10	13318	5.89	18729	7.13	29298	9.79	24650	13.96
ZZZZZZ	14530	5.89	17754	7.15	29511	9.79	24048	13.95
ZZZZZZ	14374	5.89	17882	7.15	28861	9.79	23505	13.96
ZZZZZZ	14439	5.89	17894	7.14	29980	9.79	25669	13.96
JE21228-10F	13260	5.89	16864	7.14	29412	9.79	24128	13.95
JE21034-4	14668	5.89	18352	7.15	29522	9.79	24510	13.96
ZZZZZZ	13667	5.89	17813	7.13	29663	9.79	25121	13.96
ZZZZZZ	13865	5.89	17483	7.15	29610	9.79	23110	13.96
ZZZZZZ	13108	5.89	20445	7.15	31706	9.79	25219	13.96

IS 1 = 1-Methylnaphthalene-d10
IS 2 = Fluorene-d10
IS 3 = Fluoranthene-d10
IS 4 = Benzo(a)pyrene-d12

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Surrogate Recovery Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Method: SW846 8270E BY SIM **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3
JE21034-1	CS9121.D	64	68	65
JE21034-3	2M144262.D	56	56	46
JE21034-4	Z176491.D	58	65	65
JE21034-5	2M144264.D	55	64	61
JE21034-6	CS9122.D	68	68	76
JE21034-7	2M144265.D	61	78	76
JE21034-8	CS9265.D	86	84	89
JE21034-8	2M144266.D	98	100	85
OP68166A-BS12	2M144245.D	70	78	85
OP68166A-BSD122	M144246.D	88	87	102
OP68166A-MB1	2M144244.D	38	34	78
OP68253A-BS12	CS9119.D	68	66	80
OP68253A-BSD12	CS9120.D	68	58	81
OP68253A-MB1	CS9117.D	69	61	71

Surrogate Compounds	Recovery Limits
S1 = Nitrobenzene-d5	29-124%
S2 = 2-Fluorobiphenyl	23-122%
S3 = Terphenyl-d14	22-130%

Initial Calibration Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: E2M6496-ICC6496
Lab FileID: 2M143460.D

Response Factor Report GCMS2M

Method : C:\MSDCHEM\1\MET...\M2M6496SIMLVI.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Sep 19 10:27:40 2025
Response via : Initial Calibration

Calibration Files
.002=2M143454.D 1.0 =2M143462.D 0.5 =2M143461.D 0.2 =2M143460.D
0.1 =2M143459.D 0.04=2M143458.D 0.02=2M143457.D 0.01=2M143456.D
.004=2M143455.D 2.0 =2M143463.D = =

Compound	.002	1.0	0.5	0.2	0.1	0.04	0.02	0.01	.004	2.0	Avg	%RSD
1) I 1-Methylnaphthalene-d ----------ISTD----------												
2) 1,4-Dioxane	0.259	0.260	0.273	0.261	0.303	0.300	0.302	0.356	0.262		0.286	11.38
3) 2-Fluorophenol	0.642	0.620	0.623	0.648	0.614	0.676	0.657	0.571	0.597	0.631	0.628	4.83
4) Phenol-d5	0.564	0.740	0.732	0.738	0.703	0.747	0.714	0.577	0.579	0.741	0.684	11.29
5) Phenol	0.712	0.820	0.812	0.862	0.807	0.876	0.823	0.678	0.651	0.849	0.789	10.08
6) Nitrobenzene-d5	0.519	0.672	0.676	0.690	0.647	0.674	0.675	0.537	0.509	0.711	0.631	12.27
7) Naphthalene	3.252	2.234	2.172	2.319	2.201	2.368	2.314	2.100	2.500	2.275	2.373	13.82
8) Hexachlorobutadiene	0.420	0.405	0.404	0.422	0.408	0.454	0.456	0.401	0.417	0.406	0.419	4.77
9) 2-Methylnaphthalene	1.511	1.389	1.378	1.412	1.322	1.431	1.406	1.262	1.064	1.410	1.358	9.00
10) 1-Methylnaphthalene	1.421	1.341	1.337	1.432	1.369	1.488	1.587	1.373	1.456	1.351	1.416	5.59
11) Hexachlorocyclopentadiene											0.000#	-1.00
12) I Fluorene-d10 ----------ISTD----------												
13) 2-Fluorobiphenyl	1.353	1.233	1.230	1.298	1.250	1.406	1.386	1.234	1.207	1.239	1.284	5.65
14) Acenaphthylene	2.026	1.674	1.511	1.509	1.379	1.623	1.728	1.638	1.570	1.863	1.652	11.29
15) Acenaphthene	1.162	1.300	1.249	1.287	1.167	1.236	1.151	1.114	1.314	1.257	1.224	5.73
16) Fluorene	1.685	1.333	1.325	1.385	1.310	1.462	1.356	1.237	1.369	1.354	1.382	8.74
17) 4,6-dinitro-2-methylphenol	0.181	0.149	0.126	0.113	0.106	0.100				0.209	0.140	29.48
---- Quadratic regression ---- Coefficient = 0.9989												
Response Ratio = -0.00749 + 0.13536 *A + 0.00610 *A^2												
18) 2,4,6-Tribromophenol	0.176	0.189	0.185	0.180	0.163	0.170	0.166	0.141	0.156	0.197	0.172	9.75
19) Fluoranthene-d10 ----------ISTD----------												
20) Hexachlorobenzene	0.259	0.265	0.263	0.272	0.259	0.287	0.275	0.256	0.282	0.272	0.269	3.83
21) Pentachlorophenol	0.107	0.087	0.071	0.059	0.059	0.052	0.045	0.045			0.066	33.30

Initial Calibration Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: E2M6496-ICC6496
Lab FileID: 2M143460.D

---- Quadratic regression ---- Coefficient = 0.9994
Response Ratio = -0.00079 + 0.06197 *A + 0.00736 *A^2

22) Phenanthrene
1.188 1.145 1.152 1.076 1.198 1.132 1.154 1.356 1.199 1.178 6.53
23) Anthracene
1.194 1.189 1.162 1.166 1.118 1.210 1.215 1.083 1.229 1.174 1.174 3.83
24) Fluoranthene
1.316 1.287 1.361 1.277 1.489 1.565 1.525 1.979 1.336 1.459 15.22
25) Pyrene
1.372 1.323 1.370 1.336 1.497 1.490 1.456 1.909 1.410 1.462 12.24
26) Terphenyl-d14
1.120 0.809 0.795 0.849 0.791 0.852 0.837 0.762 0.859 0.800 0.847 11.89
27) Benzo[a]anthracene
1.051 0.969 1.031 0.944 1.008 1.060 0.974 1.095 1.109 1.027 5.61
28) Chrysene
1.195 1.173 1.253 1.190 1.414 1.364 1.337 1.576 1.192 1.299 10.47

29) I Benzo(a)pyrene-d12 ----------ISTD----------
30) Benzo[b]fluoranthene
1.423 1.321 1.298 1.241 1.321 1.443 1.288 1.465 1.537 1.371 7.22
31) Benzo[k]fluoranthene
1.610 1.340 1.360 1.437 1.425 1.643 1.455 1.459 1.525 1.334 1.459 7.31
32) Benzo[a]pyrene
1.409 1.365 1.430 1.421 1.570 1.632 1.535 1.935 1.436 1.526 11.56
33) Indeno[1,2,3-cd]pyrene
2.221 2.143 2.020 1.928 1.763 1.984 1.876 1.685 1.839 2.228 1.969 9.49
34) Dibenz[a,h]anthracene
1.589 1.787 1.678 1.568 1.459 1.493 1.546 1.324 1.305 1.873 1.562 11.68
35) Benzo[g,h,i]perylene
1.924 1.739 1.620 1.572 1.441 1.624 1.570 1.399 1.595 1.825 1.631 9.89

(#) = Out of Range ### Number of calibration levels exceeded format ###

M2M6496SIMLVI.M Fri Sep 19 10:37:08 2025

Initial Calibration Verification

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: E2M6496-ICV6496
Lab FileID: 2M143464.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E2M6496\2M143464.D Vial: 12
Acq On : 18 Sep 2025 8:20 pm Operator: rocquans
Sample : icv6496-0.2 Inst : GCMS2M
Misc : op67209a,E2M6496,250,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\MET...\M2M6496SIMLVI.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Sep 19 10:27:40 2025
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1-Methylnaphthalene-d10	1.000	1.000	0.0	100	0.00	5.44
2	t	1,4-Dioxane	0.286	0.277	3.1	102	0.00	2.11
7	t	Naphthalene	2.373	2.380	-0.3	102	0.00	4.99
8	t	Hexachlorobutadiene	0.419	0.421	-0.5	100	0.00	5.05
9	t	2-Methylnaphthalene	1.358	1.198	11.8	85	0.00	5.40
10	t	1-Methylnaphthalene	1.416	1.448	-2.3	101	0.00	5.46
12	I	Fluorene-d10	1.000	1.000	0.0	101	0.00	6.45
14	t	Acenaphthylene	1.652	1.517	8.2	101	0.00	5.97
15	t	Acenaphthene	1.224	1.208	1.3	95	0.00	6.09
16	t	Fluorene	1.382	1.319	4.6	96	0.00	6.47
19		Fluoranthene-d10	1.000	1.000	0.0	103	0.00	8.28
20	t	Hexachlorobenzene	0.269	0.276	-2.6	104	0.00	6.90

			AvgRF	CCRF	% Dev			
22	t	Phenanthrene	1.178	1.081	8.2	97	0.00	7.24
23	t	Anthracene	1.174	1.145	2.5	101	0.00	7.28
24	t	Fluoranthene	1.459	1.314	9.9	99	0.00	8.30
25	t	Pyrene	1.462	1.319	9.8	99	0.00	8.52
27	t	Benzo[a]anthracene	1.027	0.955	7.0	95	0.00	9.65
28	t	Chrysene	1.299	1.285	1.1	106	0.00	9.69
29	I	Benzo(a)pyrene-d12	1.000	1.000	0.0	104	0.00	10.90
30	t	Benzo[b]fluoranthene	1.371	1.409	-2.8	113	0.00	10.63
31	t	Benzo[k]fluoranthene	1.459	1.469	-0.7	107	0.00	10.65
32	t	Benzo[a]pyrene	1.526	1.431	6.2	104	0.00	10.92
33	t	Indeno[1,2,3-cd]pyrene	1.969	1.865	5.3	101	0.00	12.07
34	t	Dibenz[a,h]anthracene	1.562	1.558	0.3	104	0.00	12.07
35	t	Benzo[g,h,i]perylene	1.631	1.540	5.6	102	0.00	12.38

(#) = Out of Range SPCC's out = 0 CCC's out = 0

8.6.2

8

Initial Calibration Verification

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: E2M6496-ICV6496
Lab FileID: 2M143464.D

2M143460.D M2M6496SIMLVI.M Fri Sep 19 10:46:22 2025

Initial Calibration Verification

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: E2M6496-ICV6496
Lab FileID: 2M143465.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E2M6496\2M143465.D Vial: 13
Acq On : 18 Sep 2025 8:40 pm Operator: rocquans
Sample : icv6496-1 Inst : GCMS2M
Misc : op67209a,E2M6496,250,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\MET...\M2M6496SIMLVI.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Sep 19 10:27:40 2025
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	1-Methylnaphthalene-d10	1.000	1.000	0.0	101	0.00	5.44
5	Phenol	0.789	0.834	-5.7	98	0.00	4.06
12 I	Fluorene-d10	1.000	1.000	0.0	99	0.00	6.44
	----------	True	Calc.	% Drift	----------		
17	4,6-dinitro-2-methylpheno	1000.000	1136.299	-13.6	125	0.00	6.51
19	Fluoranthene-d10	1.000	1.000	0.0	101	0.00	8.28
	----------	True	Calc.	% Drift	----------		
21 t	Pentachlorophenol	1000.000	1061.602	-6.2	123	0.00	7.07

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2M143460.D M2M6496SIMLVI.M Fri Sep 19 10:36:44 2025

Continuing Calibration Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: E2M6525-CC6496
Lab FileID: 2M144238.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton SVOA GCMS\...25\e2m6525\2M144238.d Vial: 3
Acq On : 18 Oct 2025 11:56 am Operator: rocquans
Sample : cc6496-0.2 Inst : GCMS2M
Misc : op68078a,E2M6525,250,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : X:\Dayton SVOA G...\M2M6496SIMLVI.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sun Oct 19 13:12:10 2025
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1-Methylnaphthalene-d10	1.000	1.000	0.0	114	0.00	5.36
2	t	1,4-Dioxane	0.286	0.014#	95.1#	6#	0.00	1.94
3	S	2-Fluorophenol	0.628	0.591	5.9	104	0.00	3.34
4	S	Phenol-d5	0.684	0.748	-9.4	116	0.00	3.96
5		Phenol	0.789	0.946	-19.9	125	0.00	3.97
6	S	Nitrobenzene-d5	0.631	0.770	-22.0#	127	0.00	4.49
7	t	Naphthalene	2.373	2.591	-9.2	128	0.00	4.92
8	t	Hexachlorobutadiene	0.419	0.580	-38.4#	157	0.00	4.98
9	t	2-Methylnaphthalene	1.358	1.299	4.3	105	0.00	5.32
10	t	1-Methylnaphthalene	1.416	1.436	-1.4	114	0.00	5.38
12	I	Fluorene-d10	1.000	1.000	0.0	100	0.00	6.36
13	S	2-Fluorobiphenyl	1.284	1.661	-29.4#	128	0.00	5.55
14	t	Acenaphthylene	1.652	1.626	1.6	108	0.00	5.89
15	t	Acenaphthene	1.224	0.928	24.2#	72	0.00	6.00
16	t	Fluorene	1.382	1.422	-2.9	103	0.00	6.38
		----------	True	Calc.	% Drift	----------		
17		4,6-dinitro-2-methylpheno	1000.000	754.890	24.5#	80	0.00	6.43
		----------	AvgRF	CCRF	% Dev	----------		
18	S	2,4,6-Tribromophenol	0.172	0.175	-1.7	97	0.00	6.57
19		Fluoranthene-d10	1.000	1.000	0.0	85	0.00	8.19
20	t	Hexachlorobenzene	0.269	0.380	-41.3#	119	0.00	6.81
		----------	True	Calc.	% Drift	----------		
21	t	Pentachlorophenol	1000.000	1322.551	-32.3#	117	0.00	6.98
		----------	AvgRF	CCRF	% Dev	----------		
22	t	Phenanthrene	1.178	1.174	0.3	87	0.00	7.14
23	t	Anthracene	1.174	0.994	15.3	73	0.00	7.19
24	t	Fluoranthene	1.459	1.431	1.9	89	0.00	8.20
25	t	Pyrene	1.462	1.177	19.5	73	0.00	8.42
26	S	Terphenyl-d14	0.847	1.178	-39.1#	118	0.00	8.56
27	t	Benzo[a]anthracene	1.027	0.986	4.0	81	0.00	9.55
28	t	Chrysene	1.299	1.120	13.8	76	0.00	9.59
29	I	Benzo(a)pyrene-d12	1.000	1.000	0.0	65	0.00	10.80
30	t	Benzo[b]fluoranthene	1.371	1.488	-8.5	75	0.00	10.53
31	t	Benzo[k]fluoranthene	1.459	1.616	-10.8	73	0.00	10.56
32	t	Benzo[a]pyrene	1.526	1.660	-8.8	75	0.00	10.82

Continuing Calibration Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: E2M6525-CC6496
Lab FileID: 2M144238.D

33	t	Indeno[1,2,3-cd]pyrene	1.969	1.909	3.0	64	0.00	11.91
34	t	Dibenz[a,h]anthracene	1.562	1.550	0.8	64	0.00	11.93
35	t	Benzo[g,h,i]perylene	1.631	1.540	5.6	64	0.00	12.23

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2M144238.d M2M6496SIMLVI.M Sun Oct 19 13:12:43 2025

Continuing Calibration Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: E2M6525-CC6496
Lab FileID: 2M144239.D

Low Level Verification Report

Data File : X:\Dayton SVOA GCMS\...25\e2m6525\2M144239.d Vial: 4
Acq On : 18 Oct 2025 12:47 pm Operator: rocquans
Sample : cc6496-0.02 Inst : GCMS2M
Misc : op68078a,E2M6525,250,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : X:\Dayton SVOA G...\M2M6496SIMLVI.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sun Oct 19 13:14:24 2025
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 100% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1-Methylnaphthalene-d10	1.000	1.000	0.0	79	0.00	5.37
2	t	1,4-Dioxane	0.286	0.029#	89.9	8#	0.00	1.94
12	I	Fluorene-d10	1.000	1.000	0.0	69	0.00	6.37
15	t	Acenaphthene	1.224	1.233	-0.7	74	0.01	6.01
			True	Calc.	% Drift			
17		4,6-dinitro-2-methylpheno	100.000	107.335	-7.3	59	0.00	6.44

(#) = Out of Range SPCC's out = 0 CCC's out = 0
2M143457.D M2M6496SIMLVI.M Sun Oct 19 13:18:45 2025

8.6.5

Initial Calibration Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: ECS446-ICC446
Lab FileID: CS8574.D

Response Factor Report GCMS_CS

Method : D:\MassHunter\GC...s\mcs446SIMLVI.M (RTE Integrator)
Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
Last Update : Wed Sep 17 17:26:33 2025
Response via : Initial Calibration

Calibration Files
.002=cs8568.D 1.0 =cs8576.D 0.5 =cs8575.D 0.2 =cs8574.D
0.1 =cs8573.D 0.04=cs8572.D 0.02=cs8571.D 0.01=cs8570.D
.004=cs8569.D 2 =cs8577.D = =

Compound	.002	1.0	0.5	0.2	0.1	0.04	0.02	0.01	.004	2	Avg	%RSD
1) I 1-Methylnaphthalene-d	----------ISTD----------											
2) 1,4-Dioxane	0.386	0.383	0.371	0.339	0.290	0.316				0.393	0.354	11.19
3) 2-Fluorophenol	0.772	0.704	0.785	0.836	0.829	0.805	0.785	0.744	0.767	0.638	0.767	7.77
4) Phenol-d5	0.905	0.847	0.919	0.967	0.973	0.945	0.927	0.877	0.905	0.786	0.905	6.27
5) Phenol	1.111	0.955	1.034	1.095	1.105	1.082	1.064	1.035	1.090	0.895	1.047	6.75
6) Nitrobenzene-d5	0.744	0.690	0.739	0.785	0.797	0.785	0.773	0.741	0.764	0.650	0.747	6.17
7) Naphthalene	3.161	2.774	2.814	2.859	2.866	2.832	2.872	2.777	3.027	2.732	2.872	4.52
8) Hexachlorobutadiene	0.457	0.398	0.407	0.418	0.420	0.417	0.429	0.424	0.441	0.394	0.420	4.51
9) 2-Methylnaphthalene	1.803	1.551	1.567	1.583	1.578	1.554	1.573	1.541	1.679	1.519	1.595	5.30
10) 1-Methylnaphthalene	1.624	1.481	1.500	1.524	1.522	1.497	1.495	1.459	1.623	1.448	1.517	4.00
11) I Fluorene-d10	----------ISTD----------											
12) 2-Fluorobiphenyl	1.072	1.219	1.337	1.383	1.413	1.435	1.391	1.478	0.943		1.297	14.05
13) Acenaphthylene	1.845	2.074	2.055	2.033	1.937	1.882	1.898	1.818	1.936	2.075	1.955	4.96
14) Acenaphthene	1.413	1.323	1.356	1.389	1.364	1.353	1.371	1.336	1.413	1.287	1.361	2.88
15) Fluorene	1.666	1.541	1.562	1.569	1.562	1.555	1.540	1.486	1.549	1.501	1.553	3.09
16) 4,6-dinitro-2-methylphenol	0.223	0.189	0.141	0.109	0.064	0.051	0.029				0.115	63.29
---- Quadratic regression ---- Coefficient = 0.9973												
Response Ratio = -0.00978 + 0.13326 *A + 0.01503 *A^2												
17) 2,4,6-Tribromophenol	0.121	0.143	0.152	0.151	0.149	0.135	0.126	0.120	0.104	0.129	0.133	11.86
18) I Fluoranthene-d10	----------ISTD----------											
19) Hexachlorobenzene	0.290	0.270	0.273	0.272	0.269	0.263	0.269	0.252	0.303	0.269	0.273	5.13
20) Pentachlorophenol	0.170	0.139	0.124	0.056	0.076	0.074	0.079				0.102	41.07
---- Quadratic regression ---- Coefficient = 0.9932												
Response Ratio = -0.00186 + 0.10429 *A + 0.02156 *A^2												

Initial Calibration Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: ECS446-ICC446
Lab FileID: CS8574.D

```
21)  Phenanthrene
          1.385 1.444 1.461 1.460 1.441 1.410 1.390 1.342 1.439 1.417  1.419    2.68
22)  Anthracene
          1.263 1.420 1.420 1.384 1.324 1.280 1.241 1.171 1.177 1.404  1.308    7.37
23)  Fluoranthene
          1.437 1.509 1.519 1.529 1.534 1.497 1.476 1.410 1.511 1.472  1.489    2.72
24)  Pyrene
          1.546 1.550 1.546 1.553 1.530 1.468 1.473 1.406 1.554 1.507  1.513    3.27
25)  Terphenyl-d14
          0.603 0.503 0.559 0.607 0.617 0.610 0.606 0.585 0.604 0.445  0.574    9.91
26)  Benzo[a]anthracene
          1.092 1.156 1.130 1.133 1.086 1.054 1.049 1.025 1.076 1.126  1.093    3.93
27)  Chrysene
          1.102 1.102 1.115 1.140 1.102 1.070 1.069 1.027 1.064 1.053  1.085    3.09

28) I   Benzo(a)pyrene-d12    ----------------ISTD---------------------
29)  Benzo[b]fluoranthene
          1.690 1.779 1.764 1.783 1.766 1.724 1.733 1.711 1.789 1.743  1.748    1.90
30)  Benzo[k]fluoranthene
          1.371 1.716 1.718 1.731 1.649 1.612 1.620 1.565 1.661 1.659  1.630    6.45
31)  Benzo[a]pyrene
          1.807 1.656 1.641 1.644 1.616 1.568 1.627 1.546 1.483 1.623  1.621    5.22
32)  Indeno[1,2,3-cd]pyrene
          1.340 1.325 1.334 1.342 1.251 1.227 1.260 1.132 1.209 1.367  1.279    5.89
33)  Dibenz[a,h]anthracene
          1.205 1.271 1.303 1.270 1.239 1.056 1.189 0.998 1.170 1.285  1.199    8.42
34)  Benzo[g,h,i]perylene
          1.383 1.275 1.301 1.305 1.262 1.241 1.246 1.146 1.307 1.281  1.275    4.76
------------------------------------------------------------------------------
(#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          mcs446SIMLVI.M        Wed Sep 17 17:40:53 2025
```

8.9.6

8

Initial Calibration Verification

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: ECS446-ICV446
Lab FileID: CS8578.D

Evaluate Continuing Calibration Report

Data File : D:\MassHunter\GCMS\1\data\ECS446\cs8578.D Vial: 52
Acq On : 17 Sep 2025 03:56 pm Operator: rocquans
Sample : icv446-0.2 Inst : GCMS_CS
Misc : op67159a,ecs446,250,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : D:\MassHunter\GC...s\mcs446SIMLVI.M (RTE Integrator)
Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
Last Update : Wed Sep 17 17:26:33 2025
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1-Methylnaphthalene-d10	1.000	1.000	0.0	102	0.00	9.08
2	t	1,4-Dioxane	0.354	0.357	-0.8	98	0.00	4.47
7	t	Naphthalene	2.872	2.996	-4.3	107	0.00	8.47
8	t	Hexachlorobutadiene	0.420	0.427	-1.7	104	0.00	8.62
9	t	2-Methylnaphthalene	1.595	1.454	8.8	94	0.00	9.02
10	t	1-Methylnaphthalene	1.517	1.579	-4.1	106	0.00	9.10
11	I	Fluorene-d10	1.000	1.000	0.0	102	0.00	10.39
13	t	Acenaphthylene	1.955	2.089	-6.9	105	0.00	9.78
14	t	Acenaphthene	1.361	1.370	-0.7	100	0.00	9.94
15	t	Fluorene	1.553	1.559	-0.4	101	0.00	10.42
18	I	Fluoranthene-d10	1.000	1.000	0.0	102	0.00	12.98
19	t	Hexachlorobenzene	0.273	0.283	-3.7	106	0.00	11.10
21	t	Phenanthrene	1.419	1.483	-4.5	103	0.00	11.46
22	t	Anthracene	1.308	1.368	-4.6	101	0.00	11.52
23	t	Fluoranthene	1.489	1.505	-1.1	100	0.00	13.01
24	t	Pyrene	1.513	1.509	0.3	99	0.00	13.32
26	t	Benzo[a]anthracene	1.093	1.089	0.4	98	0.00	15.10
27	t	Chrysene	1.085	1.094	-0.8	98	0.00	15.16
28	I	Benzo(a)pyrene-d12	1.000	1.000	0.0	99	0.00	17.07
29	t	Benzo[b]fluoranthene	1.748	1.751	-0.2	98	0.00	16.67
30	t	Benzo[k]fluoranthene	1.630	1.839	-12.8	106	0.00	16.71
31	t	Benzo[a]pyrene	1.621	1.623	-0.1	98	0.00	17.11
32	t	Indeno[1,2,3-cd]pyrene	1.279	1.305	-2.0	97	0.00	18.70
33	t	Dibenz[a,h]anthracene	1.199	1.249	-4.2	98	0.00	18.73
34	t	Benzo[g,h,i]perylene	1.275	1.273	0.2	97	0.00	19.09

(#) = Out of Range SPCC's out = 0 CCC's out = 0
cs8574.D mcs446SIMLVI.M Wed Sep 17 17:37:34 2025

8.6.7

8

Initial Calibration Verification

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: ECS446-ICV446
Lab FileID: CS8579.D

Evaluate Continuing Calibration Report

Data File : D:\MassHunter\GCMS\1\data\ECS446\cs8579.D Vial: 53
Acq On : 17 Sep 2025 04:22 pm Operator: rocquans
Sample : icv446-1 Inst : GCMS_CS
Misc : op67159a,ecs446,250,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : D:\MassHunter\GC...s\mcs446SIMLVI.M (RTE Integrator)
Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
Last Update : Wed Sep 17 17:26:33 2025
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	1-Methylnaphthalene-d10	1.000	1.000	0.0	102	0.00	9.08
5	Phenol	1.047	1.198	-14.4	112	0.00	7.20
11 I	Fluorene-d10	1.000	1.000	0.0	104	0.00	10.39
	----------	True	Calc.	% Drift	----------		
16	4,6-dinitro-2-methylpheno	1000.000	1276.438	-27.6	142	0.00	10.51
	----------	AvgRF	CCRF	% Dev	----------		
18 I	Fluoranthene-d10	1.000	1.000	0.0	102	0.00	12.98
	----------	True	Calc.	% Drift	----------		
20 t	Pentachlorophenol	1000.000	1137.196	-13.7	138	0.00	11.29

(#) = Out of Range SPCC's out = 0 CCC's out = 0
cs8574.D mcs446SIMLVI.M Wed Sep 17 17:37:37 2025

Continuing Calibration Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: ECS470-CC446
Lab FileID: CS9115.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton SVOA GCMS\...10-20\ecs470\cs9115.D Vial: 2
Acq On : 18 Oct 2025 03:43 pm Operator: rocquans
Sample : cc446-0.2 Inst : GCMS_CS
Misc : op68079a,ecs470,250,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : X:\Dayton SVOA G...s\mcs446SIMLVI.M (RTE Integrator)
Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
Last Update : Mon Oct 20 18:05:43 2025
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1-Methylnaphthalene-d10	1.000	1.000	0.0	90	0.00	8.86
2	t	1,4-Dioxane	0.354	0.409	-15.5	100	0.00	4.17
3	S	2-Fluorophenol	0.767	0.889	-15.9	96	0.00	6.06
4	S	Phenol-d5	0.905	0.985	-8.8	92	0.00	7.01
5		Phenol	1.047	1.129	-7.8	93	0.00	7.02
6	S	Nitrobenzene-d5	0.747	0.816	-9.2	94	0.00	7.68
7	t	Naphthalene	2.872	2.951	-2.8	93	0.00	8.25
8	t	Hexachlorobutadiene	0.420	0.443	-5.5	96	0.00	8.41
9	t	2-Methylnaphthalene	1.595	1.615	-1.3	92	0.00	8.80
10	t	1-Methylnaphthalene	1.517	1.551	-2.2	92	0.00	8.89
11	I	Fluorene-d10	1.000	1.000	0.0	89	0.00	10.15
12	S	2-Fluorobiphenyl	1.297	1.378	-6.2	92	0.00	9.11
13	t	Acenaphthylene	1.955	2.173	-11.2	95	0.00	9.55
14	t	Acenaphthene	1.361	1.407	-3.4	90	0.00	9.71
15	t	Fluorene	1.553	1.622	-4.4	92	0.00	10.18
		----------	True	Calc.	% Drift	----------		
16		4,6-dinitro-2-methylpheno	1000.000	1312.800	-31.3#	127	0.00	10.28
		----------	AvgRF	CCRF	% Dev	----------		
17	S	2,4,6-Tribromophenol	0.133	0.168	-26.3#	99	0.00	10.44
18	I	Fluoranthene-d10	1.000	1.000	0.0	89	0.00	12.71
19	t	Hexachlorobenzene	0.273	0.292	-7.0	95	0.00	10.84
		----------	True	Calc.	% Drift	----------		
20	t	Pentachlorophenol	1000.000	1106.303	-10.6	94	0.00	11.05
		----------	AvgRF	CCRF	% Dev	----------		
21	t	Phenanthrene	1.419	1.522	-7.3	93	0.00	11.20
22	t	Anthracene	1.308	1.524	-16.5	98	0.00	11.26
23	t	Fluoranthene	1.489	1.547	-3.9	90	0.00	12.73
24	t	Pyrene	1.513	1.632	-7.9	93	0.00	13.04
25	S	Terphenyl-d14	0.574	0.600	-4.5	88	0.00	13.31
26	t	Benzo[a]anthracene	1.093	1.167	-6.8	92	0.00	14.81
27	t	Chrysene	1.085	1.122	-3.4	88	0.00	14.87
28	I	Benzo(a)pyrene-d12	1.000	1.000	0.0	87	0.00	16.78
29	t	Benzo[b]fluoranthene	1.748	1.794	-2.6	87	0.00	16.39
30	t	Benzo[k]fluoranthene	1.630	1.749	-7.3	88	0.00	16.42
31	t	Benzo[a]pyrene	1.621	1.646	-1.5	87	0.00	16.81

Continuing Calibration Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: ECS470-CC446
Lab FileID: CS9115.D

32	t	Indeno[1,2,3-cd]pyrene	1.279	1.316	-2.9	85	0.00	18.34
33	t	Dibenz[a,h]anthracene	1.199	1.335	-11.3	91	0.00	18.37
34	t	Benzo[g,h,i]perylene	1.275	1.341	-5.2	89	0.00	18.71

(#) = Out of Range SPCC's out = 0 CCC's out = 0
cs9115.D mcs446SIMLVI.M Mon Oct 20 18:05:55 2025

8.6.9

8

Continuing Calibration Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: ECS475-CC446
Lab FileID: CS9243.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton SVOA GCMS\johanv\ecs475\cs9243.D Vial: 2
Acq On : 24 Oct 2025 12:23 pm Operator: alejanda
Sample : cc446-0.2 Inst : GCMS_CS
Misc : op68446c,ecs475,250,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : X:\Dayton SVOA G...5\mcs446SIMLVI.M (RTE Integrator)
Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
Last Update : Wed Sep 17 17:26:33 2025
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1-Methylnaphthalene-d10	1.000	1.000	0.0	97	0.00	8.87
2	t	1,4-Dioxane	0.354	0.442	-24.9#	116	0.00	4.19
3	S	2-Fluorophenol	0.767	0.904	-17.9	105	0.00	6.06
4	S	Phenol-d5	0.905	1.036	-14.5	104	0.00	7.01
5		Phenol	1.047	1.194	-14.0	106	0.00	7.02
6	S	Nitrobenzene-d5	0.747	0.817	-9.4	101	0.00	7.69
7	t	Naphthalene	2.872	2.985	-3.9	101	0.00	8.27
8	t	Hexachlorobutadiene	0.420	0.439	-4.5	102	0.00	8.42
9	t	2-Methylnaphthalene	1.595	1.617	-1.4	99	0.00	8.81
10	t	1-Methylnaphthalene	1.517	1.551	-2.2	99	0.00	8.90
11	I	Fluorene-d10	1.000	1.000	0.0	93	0.00	10.17
12	S	2-Fluorobiphenyl	1.297	1.403	-8.2	98	0.00	9.12
13	t	Acenaphthylene	1.955	2.100	-7.4	96	0.00	9.56
14	t	Acenaphthene	1.361	1.429	-5.0	96	0.00	9.72
15	t	Fluorene	1.553	1.613	-3.9	96	0.00	10.20
		----------	True	Calc.	% Drift	----------		
16		4,6-dinitro-2-methylpheno	1000.000	1212.112	-21.2#	120	0.00	10.29
		----------	AvgRF	CCRF	% Dev	----------		
17	S	2,4,6-Tribromophenol	0.133	0.161	-21.1#	99	0.00	10.46
18	I	Fluoranthene-d10	1.000	1.000	0.0	91	0.00	12.72
19	t	Hexachlorobenzene	0.273	0.293	-7.3	98	0.00	10.86
		----------	True	Calc.	% Drift	----------		
20	t	Pentachlorophenol	1000.000	1126.899	-12.7	98	0.00	11.06
		----------	AvgRF	CCRF	% Dev	----------		
21	t	Phenanthrene	1.419	1.519	-7.0	95	0.00	11.22
22	t	Anthracene	1.308	1.463	-11.9	96	0.00	11.27
23	t	Fluoranthene	1.489	1.583	-6.3	94	0.00	12.75
24	t	Pyrene	1.513	1.585	-4.8	93	0.00	13.05
25	S	Terphenyl-d14	0.574	0.629	-9.6	94	0.00	13.33
26	t	Benzo[a]anthracene	1.093	1.168	-6.9	94	0.00	14.83
27	t	Chrysene	1.085	1.161	-7.0	93	0.00	14.89
28	I	Benzo(a)pyrene-d12	1.000	1.000	0.0	90	0.00	16.80
29	t	Benzo[b]fluoranthene	1.748	1.782	-1.9	90	0.00	16.40
30	t	Benzo[k]fluoranthene	1.630	1.735	-6.4	90	0.00	16.44
31	t	Benzo[a]pyrene	1.621	1.645	-1.5	90	0.00	16.83

8.6.10

8

Continuing Calibration Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: ECS475-CC446
Lab FileID: CS9243.D

32	t	Indeno[1,2,3-cd]pyrene	1.279	1.552	-21.3#	104	0.00	18.37
33	t	Dibenz[a,h]anthracene	1.199	1.240	-3.4	87	0.00	18.39
34	t	Benzo[g,h,i]perylene	1.275	1.552	-21.7#	107	0.00	18.37

(#) = Out of Range SPCC's out = 0 CCC's out = 0
cs8574.D mcs446SIMLVI.M Fri Oct 24 20:47:27 2025

8.6.10

8

Initial Calibration Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: EZ8654-ICC8654
Lab FileID: Z175459.D

Response Factor Report GCMSZ

Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M (RTE Integrator)
Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
Last Update : Thu Sep 11 11:26:20 2025
Response via : Initial Calibration

Calibration Files
.002=Z175453.D 1.0 =Z175461.D 0.5 =Z175460.D 0.2 =Z175459.D
0.1 =Z175458.D 0.04=Z175457.D 0.02=Z175456.D 0.01=Z175455.D
.004=Z175454.D 2 =Z175462.D = =

Compound	.002	1.0	0.5	0.2	0.1	0.04	0.02	0.01	.004	2	Avg	%RSD
1) I 1-Methylnaphthalene-d	ISTD											
2) 1,4-Dioxane	0.330	0.311	0.319	0.314	0.326	0.282	0.274		0.305		0.308	6.49
3) 2-Fluorophenol	0.505	0.597	0.608	0.656	0.587	0.548	0.500	0.362	0.506		0.541	15.89
4) Phenol-d5	0.633	0.638	0.665	0.627	0.678	0.627	0.478		0.621		0.621	9.82
5) Phenol	0.691	0.664	0.674	0.653	0.702	0.599	0.477		0.761		0.653	12.95
6) Nitrobenzene-d5	0.679	0.704	0.738	0.768	0.682	0.562	0.573		0.643		0.669	10.94
7) Naphthalene	1.910	2.357	2.294	2.287	2.141	2.393	2.170	2.430	1.847	2.196	2.203	8.88
8) Hexachlorobutadiene	0.624	0.558	0.567	0.607	0.601	0.557	0.548	0.580	0.576	0.531	0.575	4.99
9) 2-Methylnaphthalene	1.351	1.383	1.419	1.387	1.160	0.970	1.247		1.263		1.272	11.81
10) 1-Methylnaphthalene	1.241	1.372	1.452	1.413	1.251	1.502	1.380		1.169		1.347	8.58
11) Hexachlorocyclopentadiene											0.000#	-1.00
12) I Fluorene-d10	ISTD											
13) 2-Fluorobiphenyl	0.940	1.033	1.184	1.306	1.244	1.261	1.141	1.101	0.883		1.121	13.01
14) Acenaphthylene	1.749	1.684	1.712	1.704	1.492	1.579	1.178	1.403	1.648		1.572	11.84
15) Acenaphthene	1.303	1.152	1.126	1.204	1.172	1.106	1.109	0.978	1.138	1.045	1.133	7.74
16) Fluorene	1.355	1.366	1.387	1.353	1.180	1.112	0.709		1.248		1.214	18.69
17) 4,6-dinitro-2-methylphenol	0.177	0.139	0.105	0.087	0.047	0.027			0.186		0.110	55.70
---- Quadratic regression ---- Coefficient = 0.9955												
Response Ratio = -0.02014 + 0.13837 *A + 0.00417 *A^2												
18) 2,4,6-Tribromophenol	0.214	0.194	0.200	0.211	0.210	0.181	0.157	0.161	0.168	0.169	0.187	11.71
19) Fluoranthene-d10	ISTD											
20) Hexachlorobenzene	0.415	0.289	0.289	0.288	0.281	0.248	0.252	0.227	0.274	0.284	0.285	17.71

8.6.11

8

Initial Calibration Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: EZ8654-ICC8654
Lab FileID: Z175459.D

```
22)  Phenanthrene
          1.195 1.091 1.121 1.012 0.942 0.870 0.889 0.767 0.897 1.059  0.984   13.54
23)  Anthracene
          1.726 1.140 1.197 1.257 1.316 1.194 1.210 1.179 1.229 1.068  1.252   14.33
24)  Fluoranthene
                1.184 1.228 1.205 1.197 1.208 1.269 1.336 1.436 1.126  1.243    7.47
25)  Pyrene
                1.239 1.290 1.268 1.228 1.282 1.217 1.304 1.536 1.180  1.283    8.02
26)  Terphenyl-d14
                0.572 0.611 0.712 0.726 0.739 0.715 0.669 0.734 0.509  0.665   12.38
27)  Benzo[a]anthracene
                0.926 0.885 0.804 0.718 0.711 0.682 0.873 1.104 0.892  0.844   15.73
28)  Chrysene
                1.154 1.155 1.381 1.333 1.374 1.382 1.678       1.025  1.310   15.27

29) I   Benzo(a)pyrene-d12    ----------------ISTD---------------------
30)  Benzo[b]fluoranthene
                1.441 1.305 1.108 1.243 1.213 1.222 1.351 1.772 1.305  1.329   14.37
31)  Benzo[k]fluoranthene
                1.405 1.555 1.748 1.580 1.524 1.691 1.712 1.853 1.430  1.611    9.34
32)  Benzo[a]pyrene
                1.373 1.342 1.336 1.350 1.395 1.435 1.856       1.314  1.425   12.52
33)  Indeno[1,2,3-cd]pyrene
                1.799 1.535 1.512 1.606 1.616 1.619 1.699 1.865 2.066  1.702   10.51
34)  Dibenz[a,h]anthracene
                1.426 1.264 1.252 1.300 1.297 1.229 1.272 1.633 1.585  1.362   11.10
35)  Benzo[g,h,i]perylene
                1.543 1.246 1.319 1.338 1.287 1.257 1.499 1.541 1.771  1.422   12.45

36)     1-Methylnaphthalene-d ----------------ISTD---------------------
37)  bis(2-chloroethyl)ether
                                                                       0.000#  -1.00
--------------------------------------------------------------------------------
(#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          MZ8654SIMLVI.M        Thu Sep 11 11:33:49 2025
```

8.6.11

8

Initial Calibration Verification

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: EZ8654-ICV8654
Lab FileID: Z175464.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\EZ8654\Z175464.D Vial: 13
Acq On : 10 Sep 2025 4:51 pm Operator: rocquans
Sample : icv8654-1 Inst : GCMSZ
Misc : op66828a,ez8654,250,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M (RTE Integrator)
Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
Last Update : Thu Sep 11 12:00:16 2025
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	1-Methylnaphthalene-d10	1.000	1.000	0.0	107	0.00	6.02
5	Phenol	0.653	0.762	-16.7	121	0.01	4.35
12 I	Fluorene-d10	1.000	1.000	0.0	103	0.00	7.30
		True	Calc.	% Drift			
17	4,6-dinitro-2-methylpheno	1000.000	1166.244	-16.6	148	0.00	7.42

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Z175459.D MZ8654SIMLVI.M Thu Sep 11 12:12:27 2025

8.6.12

8

Initial Calibration Verification

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: EZ8654-ICV8654
Lab FileID: Z175466.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\EZ8654\Z175466.D Vial: 14
Acq On : 10 Sep 2025 5:41 pm Operator: rocquans
Sample : icv86540.2 Inst : GCMSZ
Misc : op66828a,ez8654,250,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M (RTE Integrator)
Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
Last Update : Thu Sep 11 11:26:20 2025
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1-Methylnaphthalene-d10	1.000	1.000	0.0	94	0.00	6.01
2	t	1,4-Dioxane	0.308	0.356	-15.6	104	-0.05	2.19
7	t	Naphthalene	2.203	2.427	-10.2	100	0.00	5.47
8	t	Hexachlorobutadiene	0.575	0.608	-5.7	94	0.00	5.55
9	t	2-Methylnaphthalene	1.272	1.088	14.5	72	0.00	5.98
10	t	1-Methylnaphthalene	1.347	1.490	-10.6	96	0.00	6.04
12	I	Fluorene-d10	1.000	1.000	0.0	97	0.00	7.30
14	t	Acenaphthylene	1.572	1.591	-1.2	90	0.00	6.69
15	t	Acenaphthene	1.133	1.127	0.5	91	0.00	6.84
16	t	Fluorene	1.214	1.268	-4.4	89	0.00	7.33
19		Fluoranthene-d10	1.000	1.000	0.0	96	0.00	10.00
20	t	Hexachlorobenzene	0.285	0.277	2.8	92	0.01	7.93

		----------	AvgRF	CCRF	% Dev	----------		
22	t	Phenanthrene	0.984	0.952	3.3	91	0.00	8.43
23	t	Anthracene	1.252	1.263	-0.9	97	0.00	8.49
24	t	Fluoranthene	1.243	1.186	4.6	95	0.00	10.02
25	t	Pyrene	1.283	1.242	3.2	94	0.00	10.35
27	t	Benzo[a]anthracene	0.844	0.747	11.5	90	0.00	12.20
28	t	Chrysene	1.310	1.365	-4.2	95	0.00	12.25
29	I	Benzo(a)pyrene-d12	1.000	1.000	0.0	92	0.00	14.20
30	t	Benzo[b]fluoranthene	1.329	1.327	0.2	110	0.00	13.78
31	t	Benzo[k]fluoranthene	1.611	1.796	-11.5	94	0.00	13.82
32	t	Benzo[a]pyrene	1.425	1.408	1.2	97	0.00	14.22
33	t	Indeno[1,2,3-cd]pyrene	1.702	1.715	-0.8	104	0.00	15.67
34	t	Dibenz[a,h]anthracene	1.362	1.401	-2.9	103	0.00	15.70
35	t	Benzo[g,h,i]perylene	1.422	1.415	0.5	98	0.00	16.01

Initial Calibration Verification

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: EZ8654-ICV8654
Lab FileID: Z175466.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Z175459.D MZ8654SIMLVI.M Thu Sep 11 11:34:14 2025

Continuing Calibration Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: EZ8690-CC8654
Lab FileID: Z176467.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton SVOA GCMS\alodiab\EZ8690\Z176467.d Vial: 3
Acq On : 19 Oct 2025 11:54 am Operator: thomasl
Sample : cc8654-0.2 Inst : GCMSZ
Misc : op68255a,ez8690,250,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : X:\Dayton SVOA G...s\MZ8654SIMLVI.M (RTE Integrator)
Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
Last Update : Mon Oct 20 02:32:14 2025
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1-Methylnaphthalene-d10	1.000	1.000	0.0	121	0.00	5.89
2	t	1,4-Dioxane	0.308	0.355	-15.3	134	0.00	1.89
3	S	2-Fluorophenol	0.541	0.710	-31.2#	141	0.00	3.44
4	S	Phenol-d5	0.621	0.725	-16.7	132	0.00	4.18
5		Phenol	0.653	0.756	-15.8	135	0.00	4.20
6	S	Nitrobenzene-d5	0.669	0.745	-11.4	122	0.00	4.82
7	t	Naphthalene	2.203	2.353	-6.8	124	0.00	5.35
8	t	Hexachlorobutadiene	0.575	0.550	4.3	109	0.00	5.43
9	t	2-Methylnaphthalene	1.272	1.337	-5.1	114	0.00	5.85
10	t	1-Methylnaphthalene	1.347	1.267	5.9	105	0.00	5.92
12	I	Fluorene-d10	1.000	1.000	0.0	119	0.00	7.15
13	S	2-Fluorobiphenyl	1.121	1.162	-3.7	117	0.00	6.12
14	t	Acenaphthylene	1.572	1.707	-8.6	118	0.00	6.55
15	t	Acenaphthene	1.133	1.133	0.0	112	0.00	6.69
16	t	Fluorene	1.214	1.318	-8.6	113	0.00	7.17
			True	Calc.	% Drift			
17		4,6-dinitro-2-methylpheno	1000.000	1183.908	-18.4	175	0.00	7.25
			AvgRF	CCRF	% Dev			
18	S	2,4,6-Tribromophenol	0.187	0.197	-5.3	111	0.00	7.42
19	I	Fluoranthene-d10	1.000	1.000	0.0	118	0.00	9.79
20	t	Hexachlorobenzene	0.285	0.281	1.4	115	0.00	7.74
21	t	Phenanthrene	0.984	1.066	-8.3	124	0.00	8.23
22	t	Anthracene	1.252	1.149	8.2	108	0.00	8.29
23	t	Fluoranthene	1.243	1.211	2.6	119	0.00	9.81
24	t	Pyrene	1.283	1.269	1.1	118	0.00	10.13
25	S	Terphenyl-d14	0.665	0.631	5.1	105	0.00	10.41
26	t	Benzo[a]anthracene	0.844	1.086	-28.7#	160	0.00	11.96
27	t	Chrysene	1.310	1.263	3.6	108	0.00	12.02
28	I	Benzo(a)pyrene-d12	1.000	1.000	0.0	137	0.00	13.96
29	t	Benzo[b]fluoranthene	1.329	1.458	-9.7	180	0.00	13.54
30	t	Benzo[k]fluoranthene	1.611	1.359	15.6	106	0.00	13.58
31	t	Benzo[a]pyrene	1.425	1.419	0.4	145	0.00	13.98
32	t	Indeno[1,2,3-cd]pyrene	1.702	1.510	11.3	137	0.00	15.40
33	t	Dibenz[a,h]anthracene	1.362	1.221	10.4	133	0.00	15.43
34	t	Benzo[g,h,i]perylene	1.422	1.255	11.7	130	0.00	15.73

8.6.14

8

Continuing Calibration Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: EZ8690-CC8654
Lab FileID: Z176467.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Z176468.d MZ8654SIMLVI.M Mon Oct 20 02:34:07 2025

Continuing Calibration Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: EZ8690-CC8654
Lab FileID: Z176468.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton SVOA GCMS\alodiab\EZ8690\Z176468.d Vial: 4
Acq On : 19 Oct 2025 12:19 pm Operator: thomasl
Sample : cc8654-0.2 Inst : GCMSZ
Misc : op68255a,ez8690,250,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : X:\Dayton SVOA G...s\MZ8654SIMLVI.M (RTE Integrator)
Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
Last Update : Mon Oct 20 02:32:14 2025
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
37 I	Fluoranthene-d10a	1.000	1.000	0.0	120	0.00	9.79
		True	Calc.	% Drift			
38 t	Pentachlorophenol	1000.000	939.261	6.1	123	0.00	7.99

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Z176468.d MZ8654SIMLVI.M Mon Oct 20 02:34:09 2025

8.6.15

8

Run Sequence Report

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Run ID: E2M6496 **Method:** SW846 8270E BY SIM **Instrument ID:** GCMS2M

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
E2M6496-DFTPP	2M143444.D	09/18/25 13:52	n/a	DFTPP Tune
E2M6496-IC6496	2M143454.D	09/18/25 16:55	n/a	Initial cal 0.002
E2M6496-IC6496	2M143455.D	09/18/25 17:16	n/a	Initial cal 0.004
E2M6496-IC6496	2M143456.D	09/18/25 17:36	n/a	Initial cal 0.01
E2M6496-IC6496	2M143457.D	09/18/25 17:57	n/a	Initial cal 0.02
E2M6496-IC6496	2M143458.D	09/18/25 18:17	n/a	Initial cal 0.04
E2M6496-IC6496	2M143459.D	09/18/25 18:37	n/a	Initial cal 0.1
E2M6496-ICC6496	2M143460.D	09/18/25 18:58	n/a	Initial cal 0.2
E2M6496-IC6496	2M143461.D	09/18/25 19:18	n/a	Initial cal 0.5
E2M6496-IC6496	2M143462.D	09/18/25 19:39	n/a	Initial cal 1
E2M6496-IC6496	2M143463.D	09/18/25 19:59	n/a	Initial cal 2
E2M6496-ICV6496	2M143464.D	09/18/25 20:20	n/a	Initial cal verification 0.2
E2M6496-ICV6496	2M143465.D	09/18/25 20:40	n/a	Initial cal verification 1

Run Sequence Report

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Run ID: E2M6525 **Method:** SW846 8270E BY SIM **Instrument ID:** GCMS2M

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
E2M6525-DFTPP	2M144237.D	10/18/25 11:37	n/a	DFTPP Tune
E2M6525-CC6496	2M144238.D	10/18/25 11:56	n/a	Continuing cal 0.2
E2M6525-CC6496	2M144239.D	10/18/25 12:47	n/a	Continuing cal 0.02
OP68287C-MB1	2M144241.D	10/18/25 13:27	OP68287C	Method Blank
OP68287C-BS12	2M144242.D	10/18/25 13:48	OP68287C	Blank Spike
OP68287C-BSD12	2M144243.D	10/18/25 14:08	OP68287C	Blank Spike Duplicate
OP68166A-MB1	2M144244.D	10/18/25 14:28	OP68166A	Method Blank
OP68166A-BS12	2M144245.D	10/18/25 14:49	OP68166A	Blank Spike
OP68166A-BSD12	2M144246.D	10/18/25 15:09	OP68166A	Blank Spike Duplicate
ZZZZZZ	2M144247.D	10/18/25 15:30	OP68287C	(unrelated sample)
ZZZZZZ	2M144248.D	10/18/25 15:51	OP68287C	(unrelated sample)
ZZZZZZ	2M144249.D	10/18/25 16:11	OP68287C	(unrelated sample)
ZZZZZZ	2M144250.D	10/18/25 16:32	OP68287C	(unrelated sample)
ZZZZZZ	2M144251.D	10/18/25 16:53	OP68287C	(unrelated sample)
ZZZZZZ	2M144253.D	10/18/25 17:34	OP68287C	(unrelated sample)
ZZZZZZ	2M144254.D	10/18/25 17:54	OP68287C	(unrelated sample)
ZZZZZZ	2M144255.D	10/18/25 18:15	OP68287C	(unrelated sample)
ZZZZZZ	2M144256.D	10/18/25 18:35	OP68139A	(unrelated sample)
ZZZZZZ	2M144257.D	10/18/25 18:56	OP68139A	(unrelated sample)
ZZZZZZ	2M144258.D	10/18/25 19:17	OP68139A	(unrelated sample)
ZZZZZZ	2M144259.D	10/18/25 19:37	OP68139A	(unrelated sample)
ZZZZZZ	2M144260.D	10/18/25 19:58	OP68139A	(unrelated sample)
JE21034-3	2M144262.D	10/18/25 20:38	OP68166A	MW-EPA-10 10102025
JE21034-5	2M144264.D	10/18/25 21:19	OP68166A	MW-EPA-02R 10102025
JE21034-7	2M144265.D	10/18/25 21:40	OP68166A	MW-EPA-06 10102025
JE21034-8	2M144266.D	10/18/25 22:00	OP68166A	MW-SS-09-06 10102025
ZZZZZZ	2M144267.D	10/18/25 22:20	OP68139A	(unrelated sample)

Run Sequence Report

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Run ID: ECS446 **Method:** SW846 8270E BY SIM **Instrument ID:** GCMSCS

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
ECS446-DFTPP	CS8567.D	09/17/25 11:06	n/a	DFTPP Tune
ECS446-IC446	CS8568.D	09/17/25 11:28	n/a	Initial cal 0.002
ECS446-IC446	CS8569.D	09/17/25 11:55	n/a	Initial cal 0.004
ECS446-IC446	CS8570.D	09/17/25 12:22	n/a	Initial cal 0.01
ECS446-IC446	CS8571.D	09/17/25 12:48	n/a	Initial cal 0.02
ECS446-IC446	CS8572.D	09/17/25 13:15	n/a	Initial cal 0.04
ECS446-IC446	CS8573.D	09/17/25 13:42	n/a	Initial cal 0.1
ECS446-ICC446	CS8574.D	09/17/25 14:09	n/a	Initial cal 0.2
ECS446-IC446	CS8575.D	09/17/25 14:35	n/a	Initial cal 0.5
ECS446-IC446	CS8576.D	09/17/25 15:02	n/a	Initial cal 1
ECS446-IC446	CS8577.D	09/17/25 15:29	n/a	Initial cal 2
ECS446-ICV446	CS8578.D	09/17/25 15:56	n/a	Initial cal verification 0.2
ECS446-ICV446	CS8579.D	09/17/25 16:22	n/a	Initial cal verification 1

Run Sequence Report

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Run ID: ECS470 **Method:** SW846 8270E BY SIM **Instrument ID:** GCMSCS

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
ECS470-CC446	CS9115.D	10/18/25 15:43	n/a	Continuing cal 0.2
OP68253A-MB1	CS9117.D	10/18/25 17:26	OP68253A	Method Blank
ZZZZZZ	CS9118.D	10/18/25 17:53	OP68253A	(unrelated sample)
OP68253A-BS12	CS9119.D	10/18/25 18:19	OP68253A	Blank Spike
OP68253A-BSD12	CS9120.D	10/18/25 18:46	OP68253A	Blank Spike Duplicate
JE21034-1	CS9121.D	10/18/25 19:13	OP68253A	MW-EPA-09 10102025
JE21034-6	CS9122.D	10/18/25 19:40	OP68253A	MW-ORS-01 10102025
ZZZZZZ	CS9123.D	10/18/25 20:07	OP68253A	(unrelated sample)
ZZZZZZ	CS9124.D	10/18/25 20:34	OP68253A	(unrelated sample)
ZZZZZZ	CS9125.D	10/18/25 21:01	OP68253A	(unrelated sample)
ZZZZZZ	CS9126.D	10/18/25 21:27	OP68253A	(unrelated sample)
ZZZZZZ	CS9127.D	10/18/25 21:54	OP68253A	(unrelated sample)
ZZZZZZ	CS9128.D	10/18/25 22:21	OP68253A	(unrelated sample)
ZZZZZZ	CS9129.D	10/18/25 22:48	OP68253A	(unrelated sample)
ZZZZZZ	CS9130.D	10/18/25 23:14	OP68253A	(unrelated sample)
ZZZZZZ	CS9131.D	10/18/25 23:41	OP68253A	(unrelated sample)
ZZZZZZ	CS9132.D	10/19/25 00:07	OP68253A	(unrelated sample)
ZZZZZZ	CS9133.D	10/19/25 00:34	OP68253A	(unrelated sample)
ZZZZZZ	CS9134.D	10/19/25 01:01	OP68253A	(unrelated sample)
ZZZZZZ	CS9135.D	10/19/25 01:27	OP68253A	(unrelated sample)

Run Sequence Report

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Run ID: ECS475 **Method:** SW846 8270E BY SIM **Instrument ID:** GCMSCS

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
ECS475-CC446	CS9243.D	10/24/25 12:23	n/a	Continuing cal 0.2
OP68290A-MB1	CS9245.D	10/24/25 13:16	OP68290A	Method Blank
OP68406A-MB1	CS9246.D	10/24/25 13:43	OP68406A	Method Blank
ZZZZZZ	CS9247.D	10/24/25 14:10	OP68290A	(unrelated sample)
OP68290A-BS12	CS9248.D	10/24/25 14:36	OP68290A	Blank Spike
OP68290A-BSD12	CS9249.D	10/24/25 15:03	OP68290A	Blank Spike Duplicate
OP68406A-BS12	CS9250.D	10/24/25 15:30	OP68406A	Blank Spike
OP68406A-BSD12	CS9251.D	10/24/25 15:56	OP68406A	Blank Spike Duplicate
ZZZZZZ	CS9252.D	10/24/25 16:23	OP68290A	(unrelated sample)
ZZZZZZ	CS9253.D	10/24/25 16:50	OP68290A	(unrelated sample)
ZZZZZZ	CS9254.D	10/24/25 17:17	OP68290A	(unrelated sample)
ZZZZZZ	CS9255.D	10/24/25 17:43	OP68290A	(unrelated sample)
ZZZZZZ	CS9256.D	10/24/25 18:10	OP68290A	(unrelated sample)
ZZZZZZ	CS9257.D	10/24/25 18:37	OP68290A	(unrelated sample)
ZZZZZZ	CS9258.D	10/24/25 19:04	OP68290A	(unrelated sample)
ZZZZZZ	CS9259.D	10/24/25 19:30	OP68290A	(unrelated sample)
ZZZZZZ	CS9260.D	10/24/25 19:57	OP68290A	(unrelated sample)
ZZZZZZ	CS9261.D	10/24/25 20:24	OP68290A	(unrelated sample)
ZZZZZZ	CS9262.D	10/24/25 20:51	OP68290A	(unrelated sample)
ZZZZZZ	CS9263.D	10/24/25 21:17	OP68290A	(unrelated sample)
ZZZZZZ	CS9264.D	10/24/25 21:44	OP68406A	(unrelated sample)
JE21034-8	CS9265.D	10/24/25 22:11	OP68406A	MW-SS-09-06 10102025
ZZZZZZ	CS9266.D	10/24/25 22:38	OP68406A	(unrelated sample)
ZZZZZZ	CS9268.D	10/24/25 23:31	OP68406A	(unrelated sample)
ZZZZZZ	CS9269.D	10/24/25 23:58	OP68406A	(unrelated sample)

Run Sequence Report

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Run ID: EZ8654 **Method:** SW846 8270E BY SIM **Instrument ID:** GCMSZ

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
EZ8654-DFTPP	Z175452.D	09/10/25 11:31	n/a	DFTPP Tune
EZ8654-IC8654	Z175453.D	09/10/25 12:13	n/a	Initial cal 0.002
EZ8654-IC8654	Z175454.D	09/10/25 12:38	n/a	Initial cal 0.004
EZ8654-IC8654	Z175455.D	09/10/25 13:05	n/a	Initial cal 0.01
EZ8654-IC8654	Z175456.D	09/10/25 13:29	n/a	Initial cal 0.02
EZ8654-IC8654	Z175457.D	09/10/25 13:54	n/a	Initial cal 0.04
EZ8654-IC8654	Z175458.D	09/10/25 14:19	n/a	Initial cal 0.1
EZ8654-ICC8654	Z175459.D	09/10/25 14:44	n/a	Initial cal 0.2
EZ8654-IC8654	Z175460.D	09/10/25 15:09	n/a	Initial cal 0.5
EZ8654-IC8654	Z175461.D	09/10/25 15:36	n/a	Initial cal 1
EZ8654-IC8654	Z175462.D	09/10/25 16:01	n/a	Initial cal 2
EZ8654-ICV8654	Z175464.D	09/10/25 16:51	n/a	Initial cal verification 1
EZ8654-ICV8654	Z175466.D	09/10/25 17:41	n/a	Initial cal verification 0.2

Run Sequence Report

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Run ID: EZ8690 **Method:** SW846 8270E BY SIM **Instrument ID:** GCMSZ

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
EZ8690-DFTPP	Z176466.D	10/19/25 11:41	n/a	DFTPP Tune
EZ8690-CC8654	Z176467.D	10/19/25 11:54	n/a	Continuing cal 0.2
EZ8690-CC8654	Z176468.D	10/19/25 12:19	n/a	Continuing cal 0.2
OP68256A-MB1	Z176470.D	10/19/25 13:28	OP68256A	Method Blank
OP68273A-MB1	Z176471.D	10/19/25 13:53	OP68273A	Method Blank
ZZZZZZ	Z176472.D	10/19/25 14:18	OP68256A	(unrelated sample)
OP68256A-BS12	Z176473.D	10/19/25 14:44	OP68256A	Blank Spike
OP68256A-BSD12	Z176474.D	10/19/25 15:10	OP68256A	Blank Spike Duplicate
OP68273A-BS12	Z176475.D	10/19/25 15:36	OP68273A	Blank Spike
ZZZZZZ	Z176476.D	10/19/25 16:02	OP68273A	(unrelated sample)
ZZZZZZ	Z176477.D	10/19/25 16:27	OP68256A	(unrelated sample)
ZZZZZZ	Z176478.D	10/19/25 16:53	OP68255A	(unrelated sample)
ZZZZZZ	Z176479.D	10/19/25 17:19	OP68255A	(unrelated sample)
ZZZZZZ	Z176480.D	10/19/25 17:45	OP68255A	(unrelated sample)
ZZZZZZ	Z176481.D	10/19/25 18:10	OP68255A	(unrelated sample)
ZZZZZZ	Z176482.D	10/19/25 18:36	OP68256A	(unrelated sample)
ZZZZZZ	Z176483.D	10/19/25 19:01	OP68256A	(unrelated sample)
ZZZZZZ	Z176484.D	10/19/25 19:27	OP68256A	(unrelated sample)
ZZZZZZ	Z176485.D	10/19/25 19:52	OP68256A	(unrelated sample)
JE21228-10	Z176486.D	10/19/25 20:18	OP68256A	(used for QC only; not part of job JE21034)
ZZZZZZ	Z176487.D	10/19/25 20:43	OP68256A	(unrelated sample)
ZZZZZZ	Z176488.D	10/19/25 21:08	OP68256A	(unrelated sample)
ZZZZZZ	Z176489.D	10/19/25 21:33	OP68256A	(unrelated sample)
JE21228-10F	Z176490.D	10/19/25 21:59	OP68256A	(used for QC only; not part of job JE21034)
JE21034-4	Z176491.D	10/19/25 22:24	OP68166A	MW-SS-09-07 10102025
ZZZZZZ	Z176492.D	10/19/25 22:49	OP68166A	(unrelated sample)
ZZZZZZ	Z176493.D	10/19/25 23:15	OP68117A	(unrelated sample)
ZZZZZZ	Z176494.D	10/19/25 23:40	OP68117A	(unrelated sample)

MS Semi-volatiles

Raw Data

Manual Integrations APPROVED (compounds with "m" flag)
Ying Li
10/21/25 11:23

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\lorenat\Octubre\2025-10-20\ecs470\
Data File : cs9121.D
Acq On : 18 Oct 2025 07:13 pm
Operator : rocquans
Sample : je21034-1 Inst : GCMS_CS
Misc : op68253a,ecs470,250,,,1,1
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Oct 20 19:28:43 2025
Quant Method : X:\Dayton SVOA GCMS\lorenat\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 18:05:43 2025
Response via : Initial Calibration

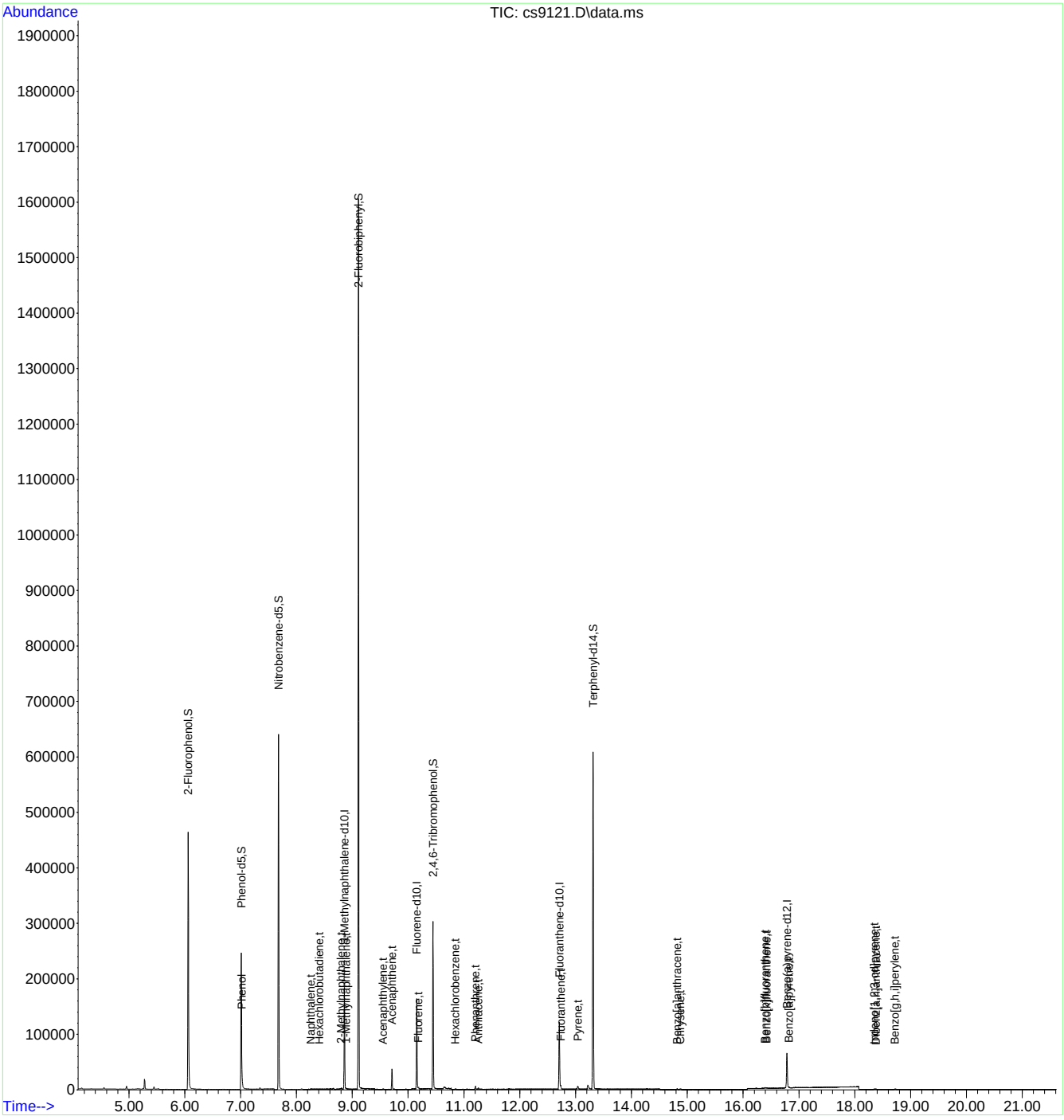
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	8.858	150	54179	800.00	ppb	0.00
11) Fluorene-d10	10.153	176	66753	800.00	ppb	0.00
18) Fluoranthene-d10	12.707	212	89576	800.00	ppb	0.00
28) Benzo(a)pyrene-d12	16.785	264	50285	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	6.063	112	222026	4276.91	ppb	0.00
Spiked Amount 10000.000			Recovery =	42.77%		
4) Phenol-d5	7.011	99	202258	3299.60	ppb	0.00
Spiked Amount 10000.000			Recovery =	33.00%		
6) Nitrobenzene-d5	7.680	82	322241	6370.82	ppb	0.00
Spiked Amount 10000.000			Recovery =	63.71%		
12) 2-Fluorobiphenyl	9.112	172	733088	6775.25	ppb	0.00
Spiked Amount 10000.000			Recovery =	67.75%		
17) 2,4,6-Tribromophenol	10.445	330	100851	9084.90	ppb	0.00
Spiked Amount 10000.000			Recovery =	90.85%		
25) Terphenyl-d14	13.313	244	419207	6523.94	ppb	0.00
Spiked Amount 10000.000			Recovery =	65.24%		
Target Compounds						Qvalue
5) Phenol	7.021	94	1667	23.5176	ppb	# 1
7) Naphthalene	8.256	128	946	4.8644	ppb	91
8) Hexachlorobutadiene	8.409	225	94	3.3008	ppb	88
9) 2-Methylnaphthalene	8.801	141	608	5.6296	ppb	94
10) 1-Methylnaphthalene	8.886	141	366m	3.5618	ppb	
13) Acenaphthylene	9.549	152	518	3.1749	ppb	71
14) Acenaphthene	9.710	153	11415	100.5495	ppb	99
15) Fluorene	10.184	166	1072m	8.2716	ppb	
19) Hexachlorobenzene	10.843	284	239m	7.8219	ppb	
21) Phenanthrene	11.205	178	3691	23.2322	ppb	99
22) Anthracene	11.256	178	1943	13.2631	ppb	96
23) Fluoranthene	12.731	202	4306	25.8198	ppb	97
24) Pyrene	13.037	202	4154	24.5167	ppb	99
26) Benzo[a]anthracene	14.814	228	908	7.4218	ppb	98
27) Chrysene	14.873	228	1146	9.4368	ppb	97
29) Benzo[b]fluoranthene	16.389	252	941	8.5631	ppb	94
30) Benzo[k]fluoranthene	16.419	252	763	7.4458	ppb	84
31) Benzo[a]pyrene	16.818	252	622	6.1042	ppb	96
32) Indeno[1,2,3-cd]pyrene	18.348	276	625m	7.7764	ppb	
33) Dibenz[a,h]anthracene	18.375	278	290m	3.8489	ppb	
34) Benzo[g,h,i]perylene	18.718	276	648	8.0874	ppb	97

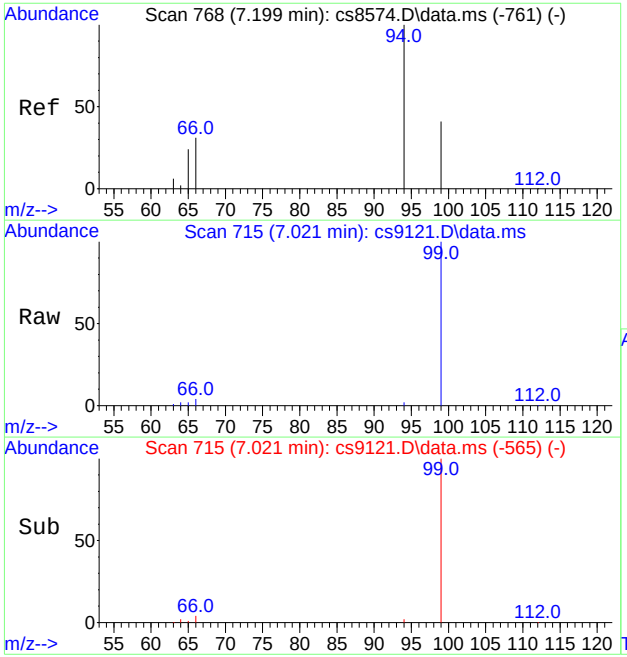
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\lorenat\Octubre\2025-10-20\ecs470\
Data File : cs9121.D
Acq On : 18 Oct 2025 07:13 pm
Operator : rocquans
Sample : je21034-1 Inst : GCMS_CS
Misc : op68253a,ecs470,250,,,1,1
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Oct 20 19:28:43 2025
Quant Method : X:\Dayton SVOA GCMS\lorenat\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 18:05:43 2025
Response via : Initial Calibration

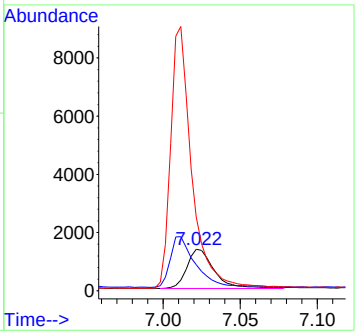


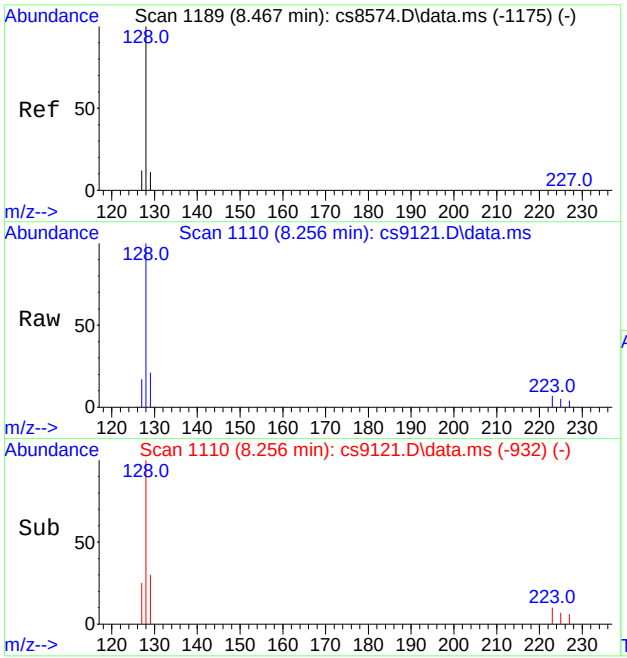


#5
Phenol
Concen: 23.5176 ppb
RT: 7.021 min Scan# 715
Delta R.T. 0.000 min
Lab File: cs9121.D
Acq: 18 Oct 2025 07:13 pm

Tgt Ion: 94 Resp: 1667

Ion	Ratio	Lower	Upper
94	100		
65	55.6	19.5	29.3#
66	173.8	24.9	37.3#

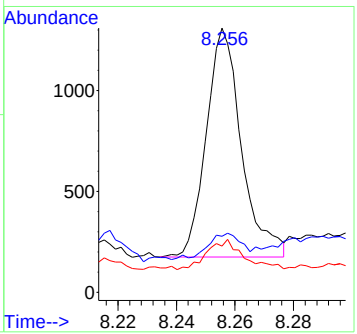


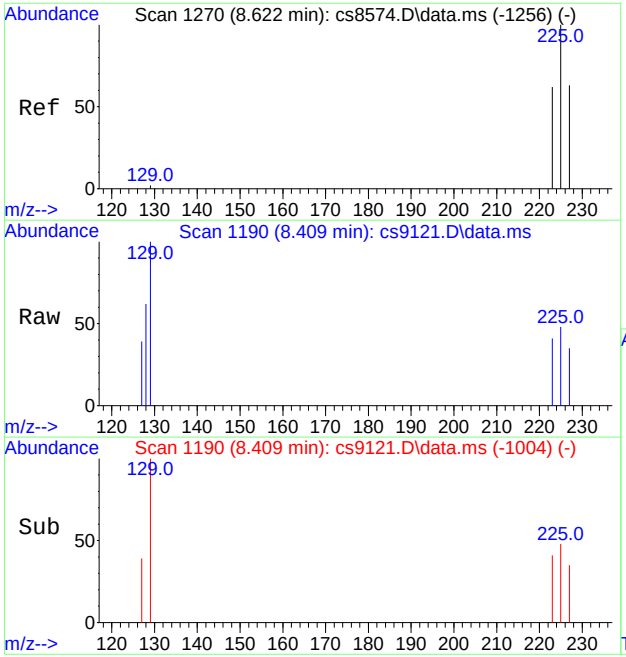


#7
Naphthalene
Concen: 4.8644 ppb
RT: 8.256 min Scan# 1110
Delta R.T. 0.002 min
Lab File: cs9121.D
Acq: 18 Oct 2025 07:13 pm

Tgt Ion:128 Resp: 946

Ion	Ratio	Lower	Upper
128	100		
129	6.0	0.0	40.8
127	10.0	0.0	42.5

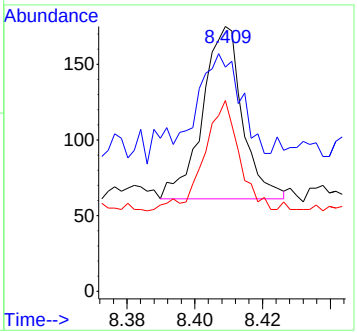


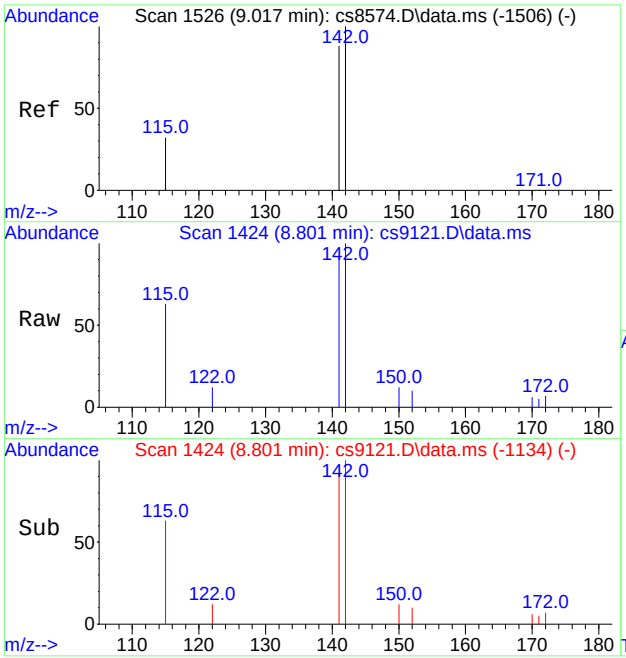


#8
Hexachlorobutadiene
Concen: 3.3008 ppb
RT: 8.409 min Scan# 1190
Delta R.T. 0.000 min
Lab File: cs9121.D
Acq: 18 Oct 2025 07:13 pm

Tgt Ion:225 Resp: 94

Ion	Ratio	Lower	Upper
225	100		
223	45.7	31.3	91.3
227	61.0	33.5	93.5

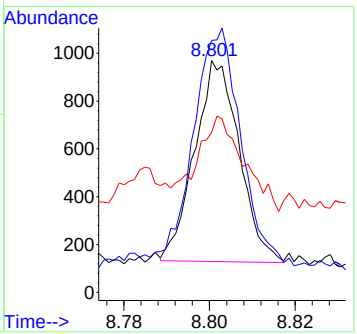


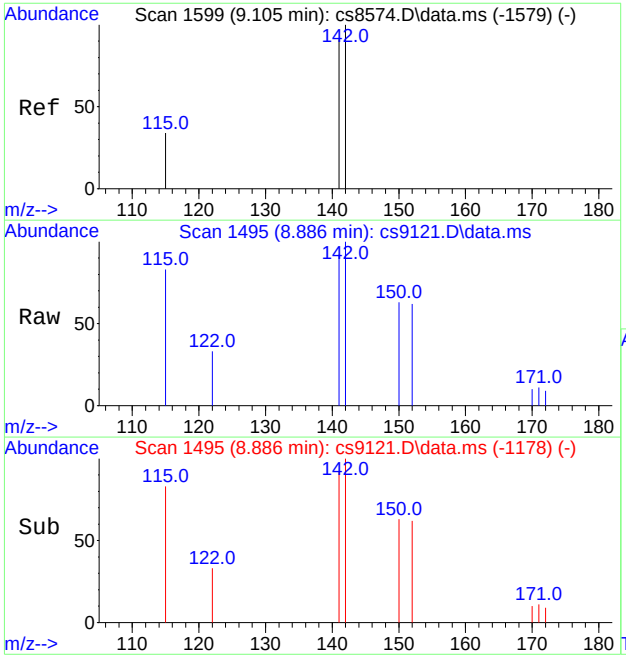


#9
2-Methylnaphthalene
Concen: 5.6296 ppb
RT: 8.801 min Scan# 1424
Delta R.T. -0.001 min
Lab File: cs9121.D
Acq: 18 Oct 2025 07:13 pm

Tgt Ion:141 Resp: 608

Ion	Ratio	Lower	Upper
141	100		
142	109.1	84.3	144.3
115	30.5	5.8	65.8

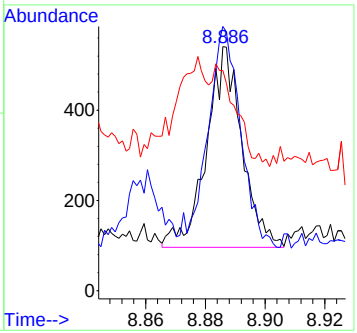


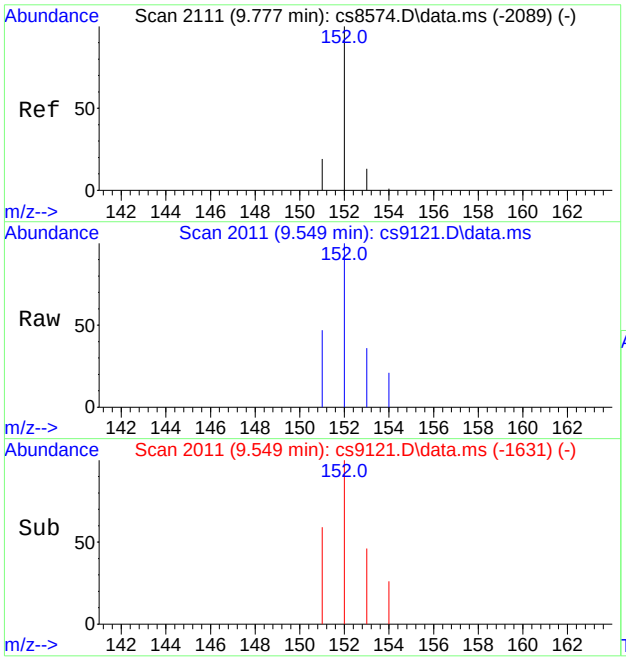


#10
1-Methylnaphthalene
Concen: 3.5618 ppb m
RT: 8.886 min Scan# 1495
Delta R.T. 0.000 min
Lab File: cs9121.D
Acq: 18 Oct 2025 07:13 pm

Tgt Ion:141 Resp: 366

Ion	Ratio	Lower	Upper
141	100		
142	108.3	82.6	142.6
115	90.2	7.6	67.6#

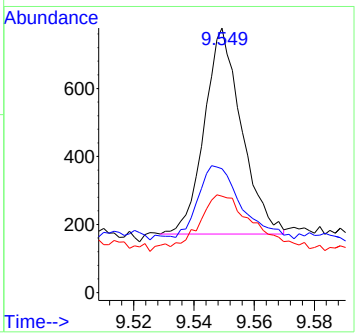


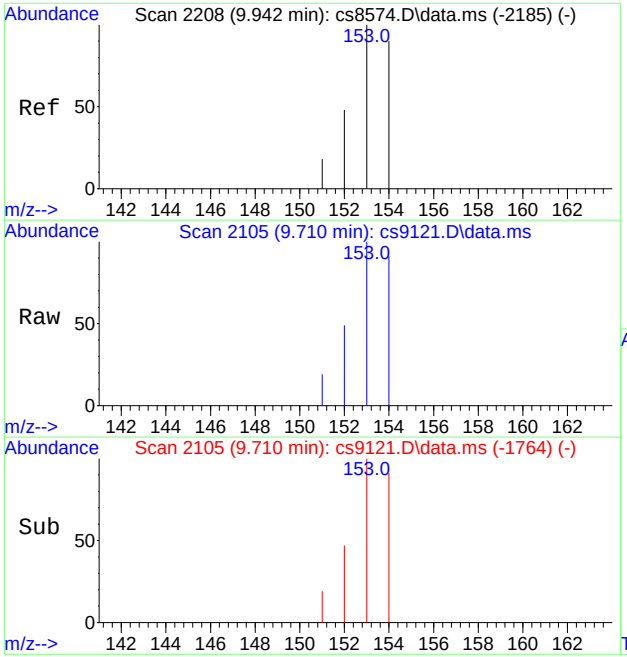


#13
Acenaphthylene
Concen: 3.1749 ppb
RT: 9.549 min Scan# 2011
Delta R.T. 0.000 min
Lab File: cs9121.D
Acq: 18 Oct 2025 07:13 pm

Tgt Ion:152 Resp: 518

Ion	Ratio	Lower	Upper
152	100		
151	32.7	0.0	48.9
153	23.1	0.0	42.9

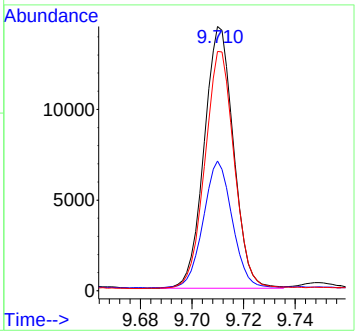


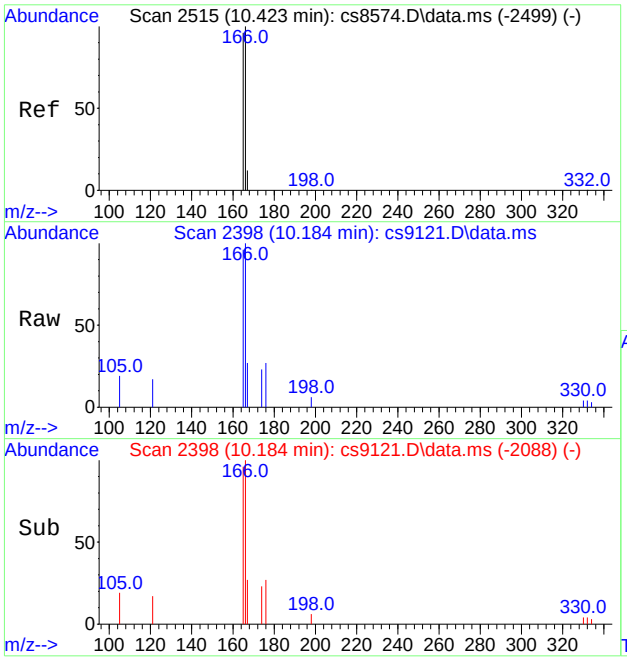


#14
Acenaphthene
Concen: 100.5495 ppb
RT: 9.710 min Scan# 2105
Delta R.T. 0.000 min
Lab File: cs9121.D
Acq: 18 Oct 2025 07:13 pm

Tgt Ion:153 Resp: 11415

Ion	Ratio	Lower	Upper
153	100		
152	48.3	17.2	77.2
154	90.4	60.8	120.8

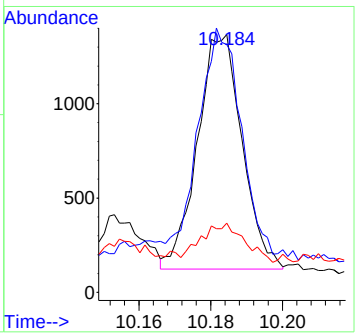


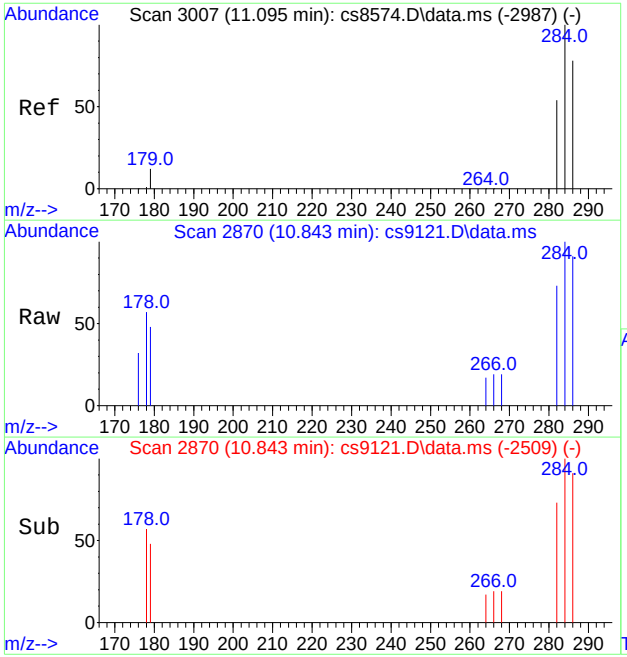


#15
Fluorene
Concen: 8.2716 ppb m
RT: 10.184 min Scan# 2398
Delta R.T. 0.003 min
Lab File: cs9121.D
Acq: 18 Oct 2025 07:13 pm

Tgt Ion:166 Resp: 1072

Ion	Ratio	Lower	Upper
166	100		
165	96.1	64.1	124.1
167	26.9	0.0	43.0

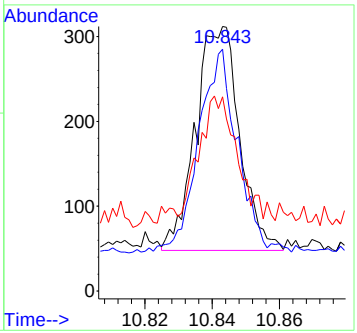


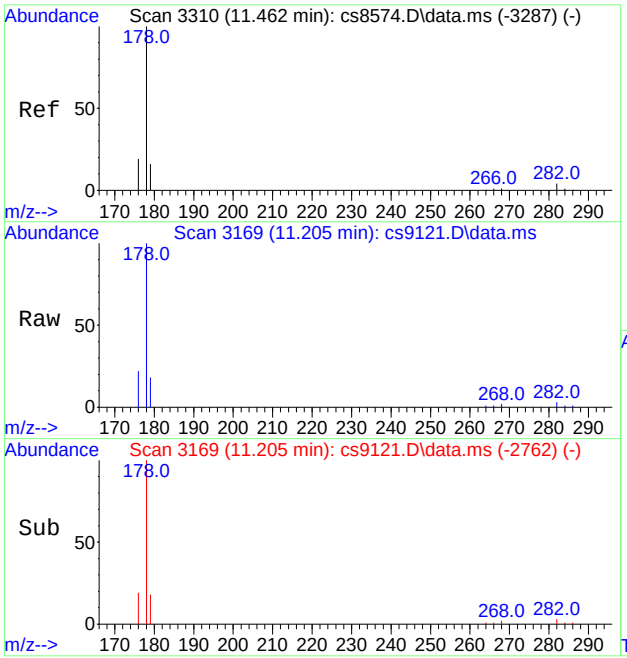


#19
Hexachlorobenzene
Concen: 7.8219 ppb m
RT: 10.843 min Scan# 2870
Delta R.T. 0.001 min
Lab File: cs9121.D
Acq: 18 Oct 2025 07:13 pm

Tgt Ion:284 Resp: 239

Ion	Ratio	Lower	Upper
284	100		
286	91.3	48.5	108.5
282	73.4	21.9	81.9

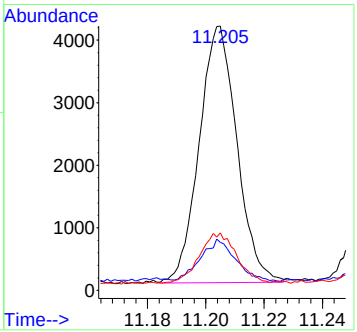


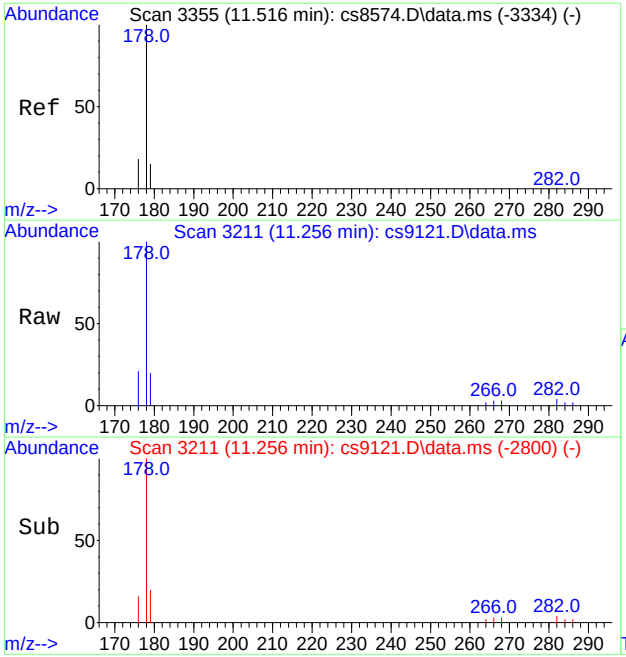


#21
Phenanthrene
Concen: 23.2322 ppb
RT: 11.205 min Scan# 3169
Delta R.T. 0.002 min
Lab File: cs9121.D
Acq: 18 Oct 2025 07:13 pm

Tgt Ion:178 Resp: 3691

Ion	Ratio	Lower	Upper
178	100		
179	14.5	0.0	44.9
176	19.4	0.0	49.3

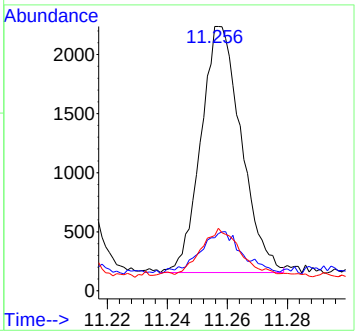


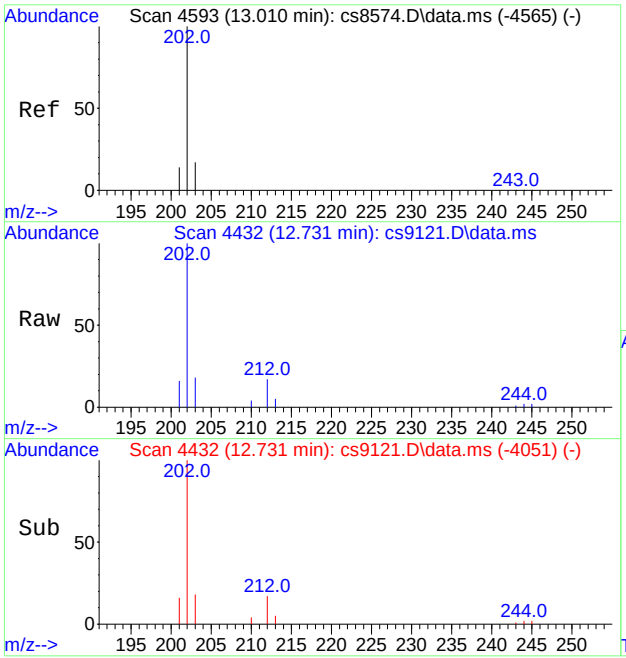


#22
Anthracene
Concen: 13.2631 ppb
RT: 11.256 min Scan# 3211
Delta R.T. -0.001 min
Lab File: cs9121.D
Acq: 18 Oct 2025 07:13 pm

Tgt Ion:178 Resp: 1943

Ion	Ratio	Lower	Upper
178	100		
179	13.8	0.0	44.9
176	15.7	0.0	48.0

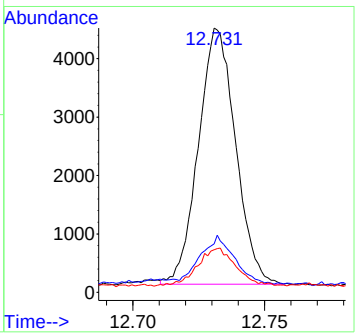


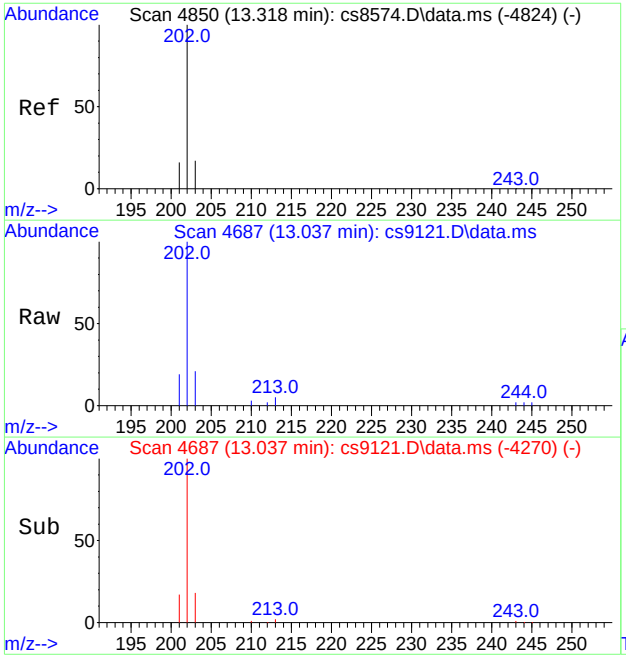


#23
Fluoranthene
Concen: 25.8198 ppb
RT: 12.731 min Scan# 4432
Delta R.T. -0.001 min
Lab File: cs9121.D
Acq: 18 Oct 2025 07:13 pm

Tgt Ion:202 Resp: 4306

Ion	Ratio	Lower	Upper
202	100		
203	14.8	0.0	46.9
201	13.7	0.0	44.3

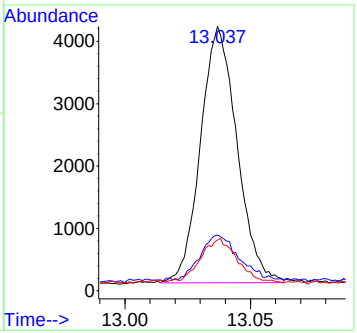


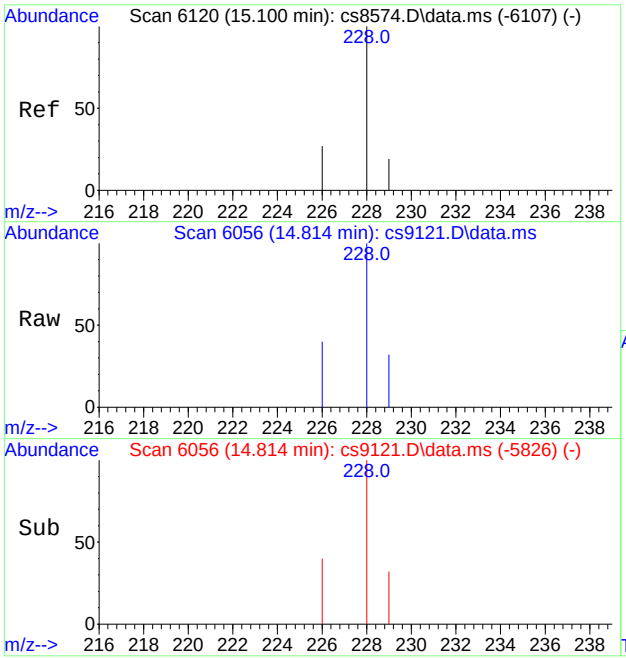


#24
Pyrene
Concen: 24.5167 ppb
RT: 13.037 min Scan# 4687
Delta R.T. 0.000 min
Lab File: cs9121.D
Acq: 18 Oct 2025 07:13 pm

Tgt Ion:202 Resp: 4154

Ion	Ratio	Lower	Upper
202	100		
203	17.8	0.0	47.4
201	16.2	0.0	46.9

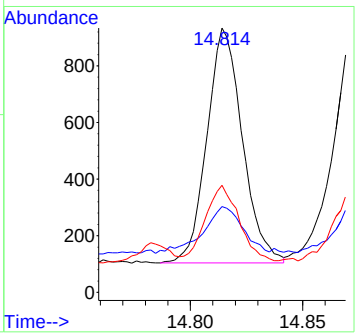


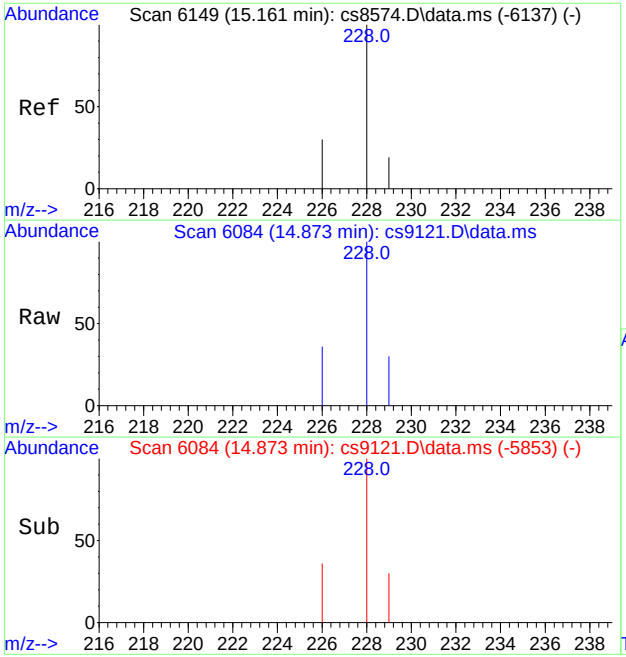


#26
Benzo[a]anthracene
Concen: 7.4218 ppb
RT: 14.814 min Scan# 6056
Delta R.T. 0.000 min
Lab File: cs9121.D
Acq: 18 Oct 2025 07:13 pm

Tgt Ion:228 Resp: 908

Ion	Ratio	Lower	Upper
228	100		
229	19.2	0.0	49.0
226	28.9	0.0	57.0

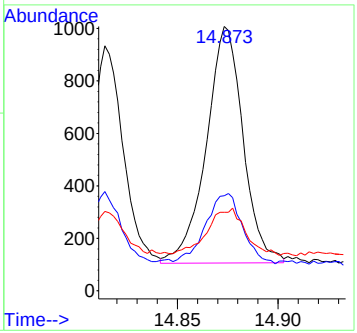


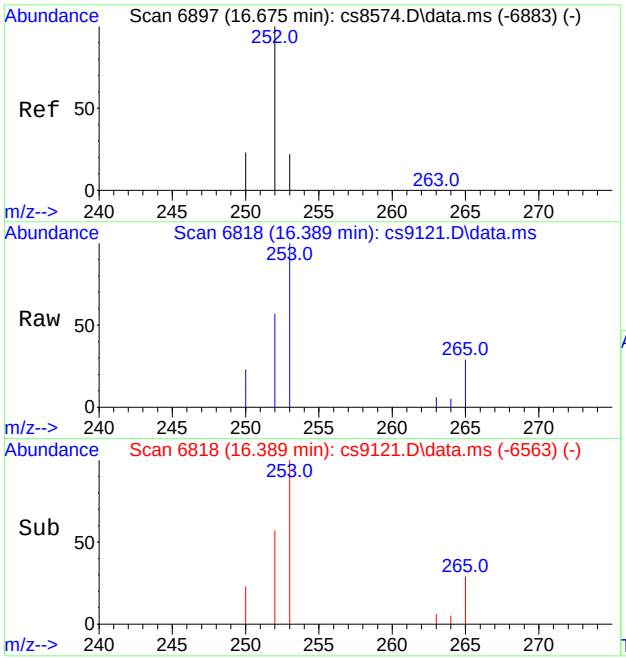


#27
Chrysene
Concen: 9.4368 ppb
RT: 14.873 min Scan# 6084
Delta R.T. 0.000 min
Lab File: cs9121.D
Acq: 18 Oct 2025 07:13 pm

Tgt Ion:228 Resp: 1146

Ion	Ratio	Lower	Upper
228	100		
226	28.0	0.0	59.6
229	17.7	0.0	49.1

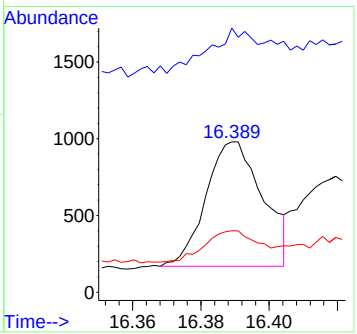


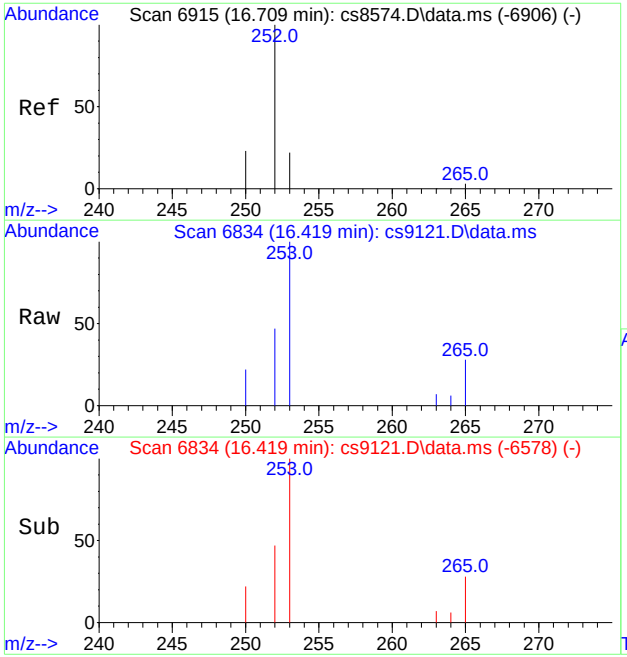


#29
Benzo[b]fluoranthene
Concen: 8.5631 ppb
RT: 16.389 min Scan# 6818
Delta R.T. 0.004 min
Lab File: cs9121.D
Acq: 18 Oct 2025 07:13 pm

Tgt Ion:252 Resp: 941

Ion	Ratio	Lower	Upper
252	100		
253	25.9	0.0	51.0
250	23.7	0.0	52.9

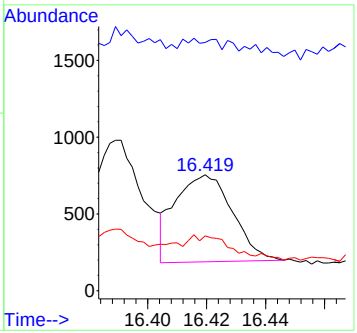


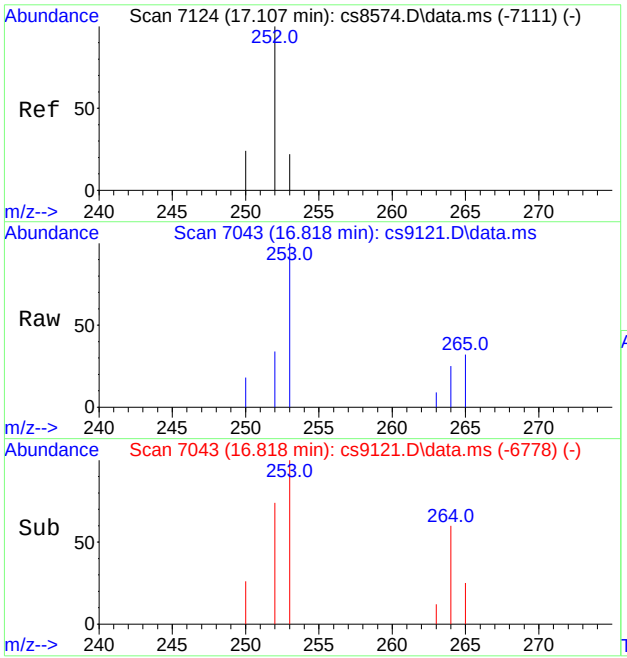


#30
Benzo[k]fluoranthene
Concen: 7.4458 ppb
RT: 16.419 min Scan# 6834
Delta R.T. 0.002 min
Lab File: cs9121.D
Acq: 18 Oct 2025 07:13 pm

Tgt Ion:252 Resp: 763

Ion	Ratio	Lower	Upper
252	100		
253	8.9	0.0	50.6
250	26.3	0.0	52.8

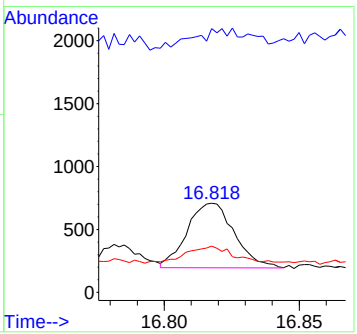


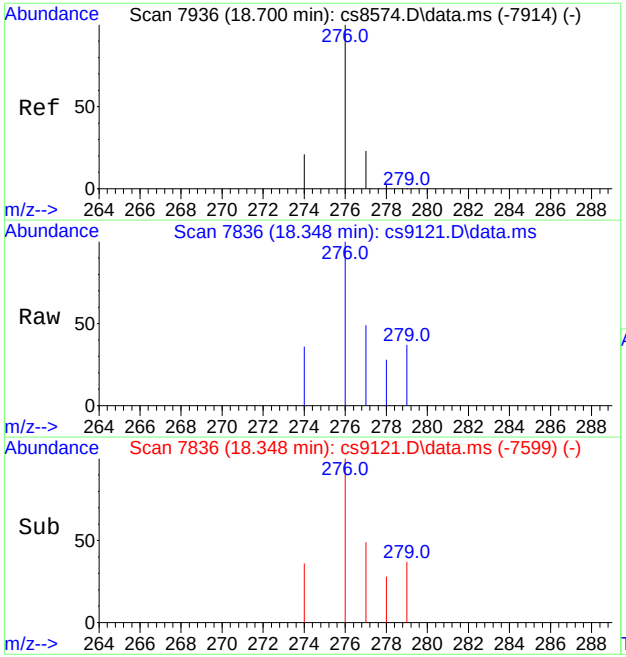


#31
Benzo[a]pyrene
Concen: 6.1042 ppb
RT: 16.818 min Scan# 7043
Delta R.T. 0.004 min
Lab File: cs9121.D
Acq: 18 Oct 2025 07:13 pm

Tgt Ion:252 Resp: 622

Ion	Ratio	Lower	Upper
252	100		
253	23.9	0.0	51.4
250	25.4	0.0	53.9

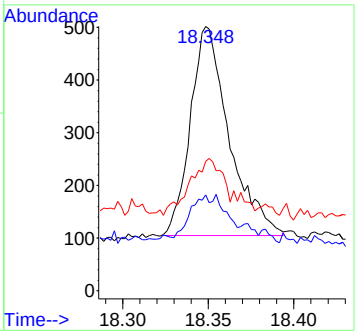


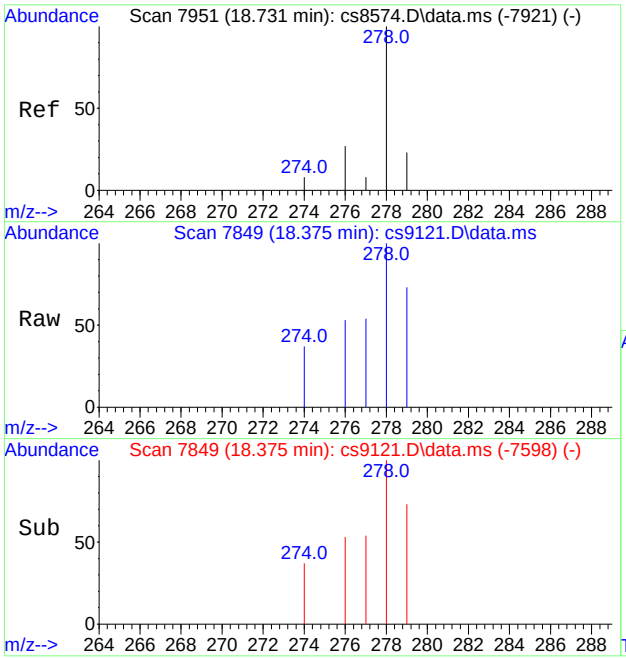


#32
Indeno[1,2,3-cd]pyrene
Concen: 7.7764 ppb m
RT: 18.348 min Scan# 7836
Delta R.T. 0.004 min
Lab File: cs9121.D
Acq: 18 Oct 2025 07:13 pm

Tgt Ion:276 Resp: 625

Ion	Ratio	Lower	Upper
276	100		
274	36.3	0.0	52.5
277	49.0	0.0	55.7

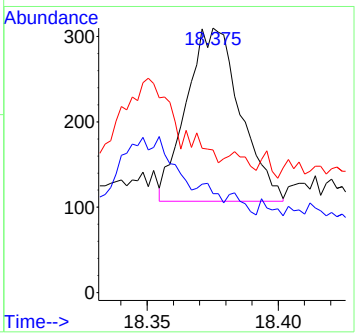


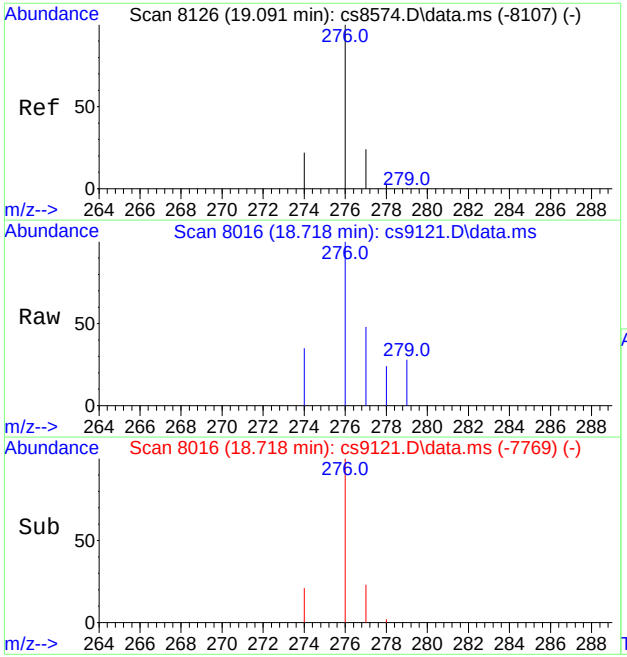


#33
Dibenz[a,h]anthracene
Concen: 3.8489 ppb m
RT: 18.375 min Scan# 7849
Delta R.T. 0.006 min
Lab File: cs9121.D
Acq: 18 Oct 2025 07:13 pm

Tgt Ion:278 Resp: 290

Ion	Ratio	Lower	Upper
278	100		
274	37.4	0.0	39.3
277	53.9	0.0	39.0#

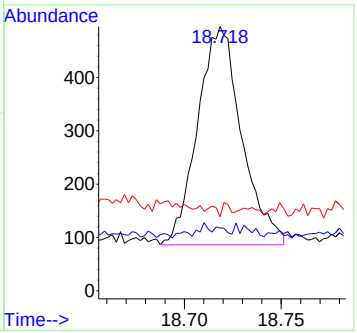




#34
Benzo[g,h,i]perylene
Concen: 8.0874 ppb
RT: 18.718 min Scan# 8016
Delta R.T. 0.008 min
Lab File: cs9121.D
Acq: 18 Oct 2025 07:13 pm

Tgt Ion:276 Resp: 648

Ion	Ratio	Lower	Upper
276	100		
278	3.5	0.0	32.6
279	0.0	0.0	30.1



Manual Integration Approval Summary

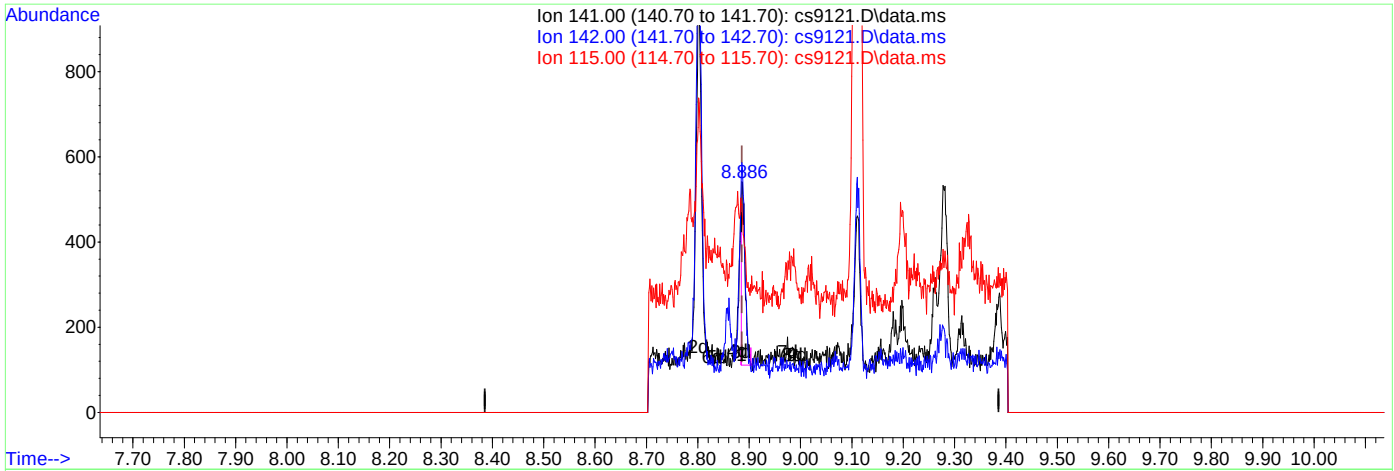
Sample Number: JE21034-1
Lab FileID: CS9121.D
Injection Time: 10/18/25 19:13
Method: SW846 8270E BY SIM
Analyst approved: 10/20/25 16:30 Lorena Tafur
Supervisor approved: 10/21/25 11:23 Ying Li

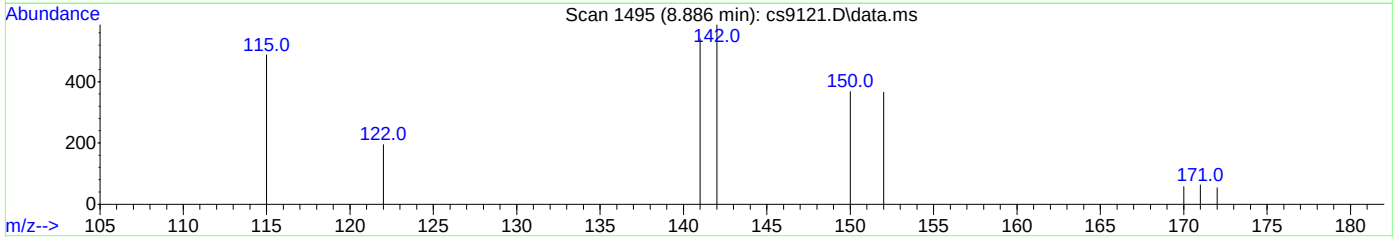
Parameter	CAS	Sig#	R.T. (min.)	Reason
1-Methylnaphthalene	90-12-0		8.89	Poor instrument integration
Fluorene	86-73-7		10.18	Poor instrument integration
Hexachlorobenzene	118-74-1		10.84	Poor instrument integration
Indeno(1,2,3-cd)pyrene	193-39-5		18.35	Poor instrument integration
Dibenzo(a,h)anthracene	53-70-3		18.38	Poor instrument integration

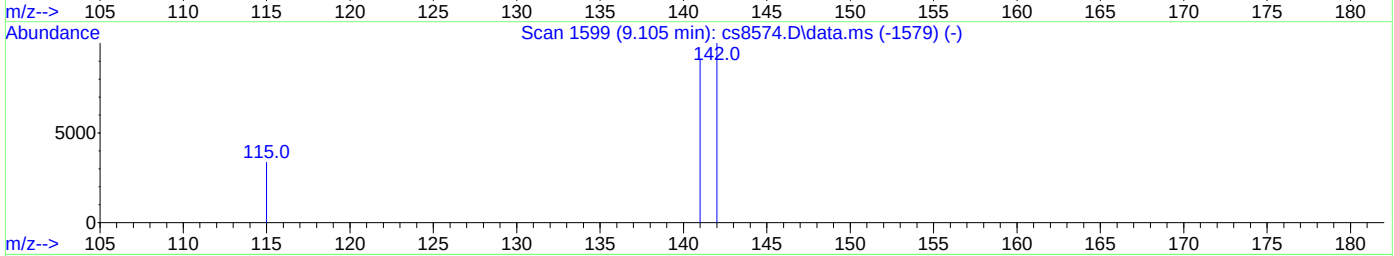
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\lorenat\Octubre\2025-10-20\ecs470\
Data File : cs9121.D
Acq On : 18 Oct 2025 07:13 pm
Operator : rocquans
Sample : je21034-1 Inst : GCMS_CS
Misc : op68253a,ecs470,250,,,1,1
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Oct 20 18:07:46 2025
Quant Method : X:\Dayton SVOA GCMS\lorenat\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 18:05:43 2025
Response via : Initial Calibration







TIC: cs9121.D\data.ms

(10) 1-Methylnaphthalene (t)

8.886min (+0.000) 1.89ppb

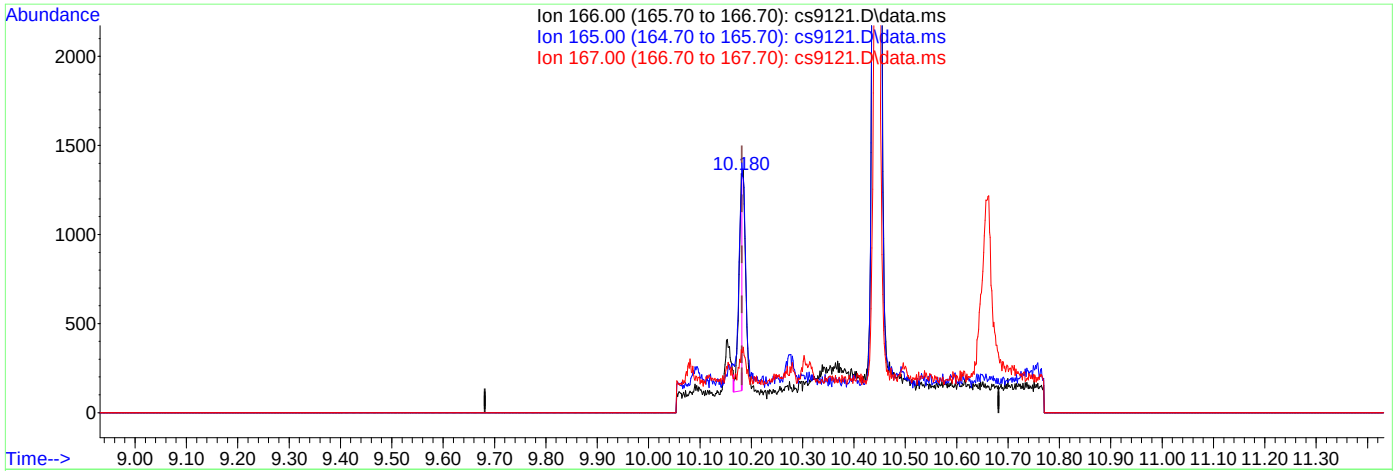
response 194

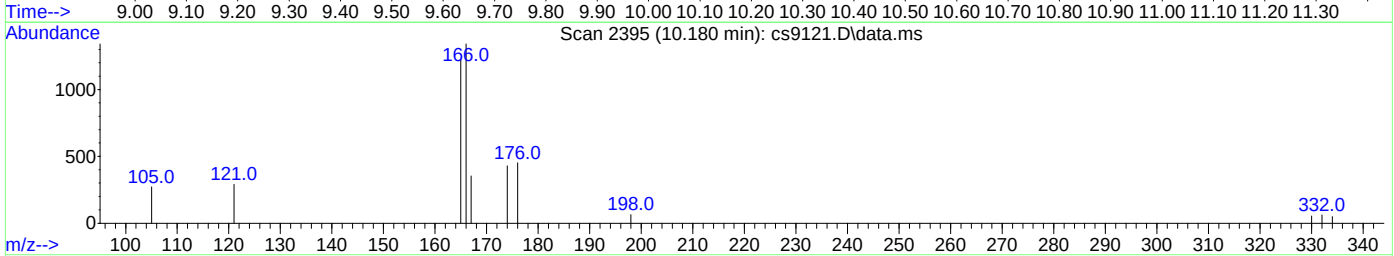
Ion	Exp%	Act%
141.00	100	100
142.00	112.60	95.26
115.00	37.60	37.59
0.00	0.00	0.00

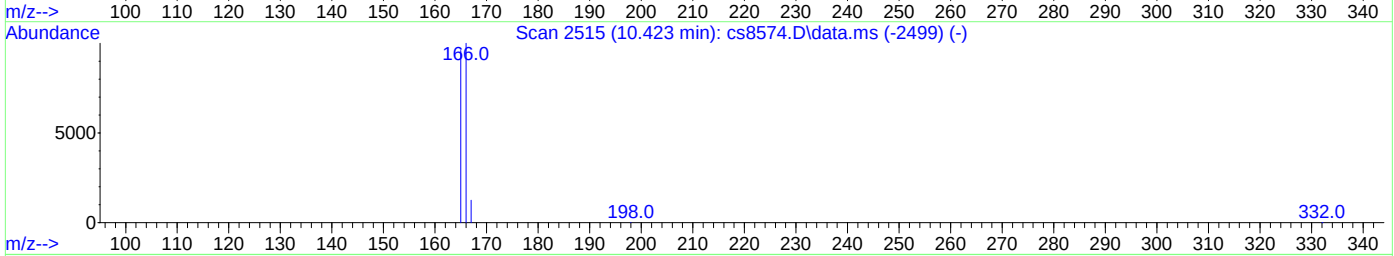
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\lorenat\Octubre\2025-10-20\ecs470\
Data File : cs9121.D
Acq On : 18 Oct 2025 07:13 pm
Operator : rocquans
Sample : je21034-1 Inst : GCMS_CS
Misc : op68253a,ecs470,250,,,1,1
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Oct 20 18:07:46 2025
Quant Method : X:\Dayton SVOA GCMS\lorenat\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 18:05:43 2025
Response via : Initial Calibration







TIC: cs9121.D\data.ms

(15) Fluorene (t)

10.180min (-0.001) 4.00ppb

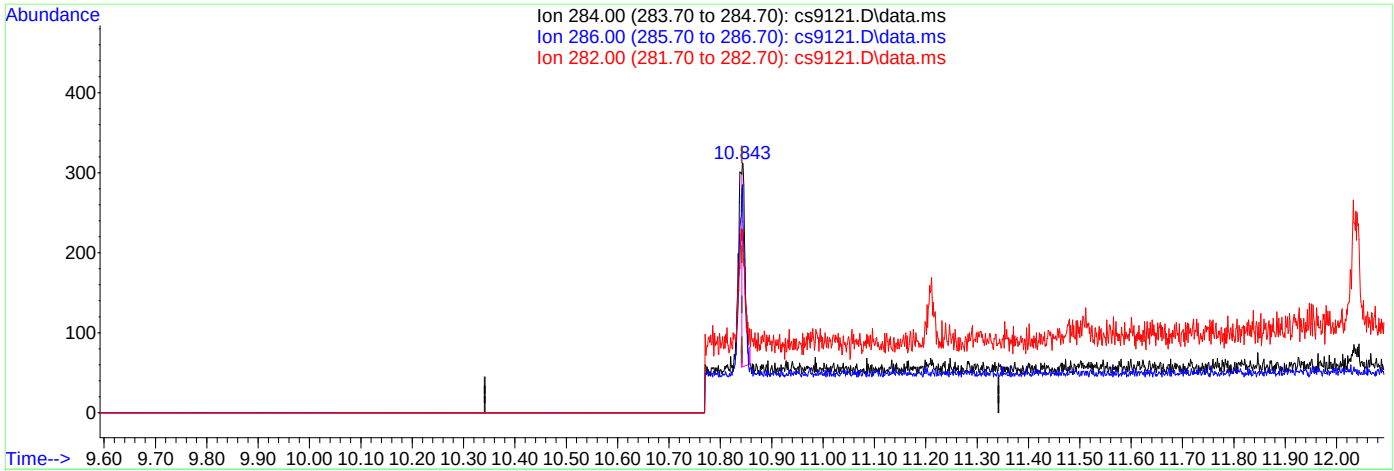
response 519

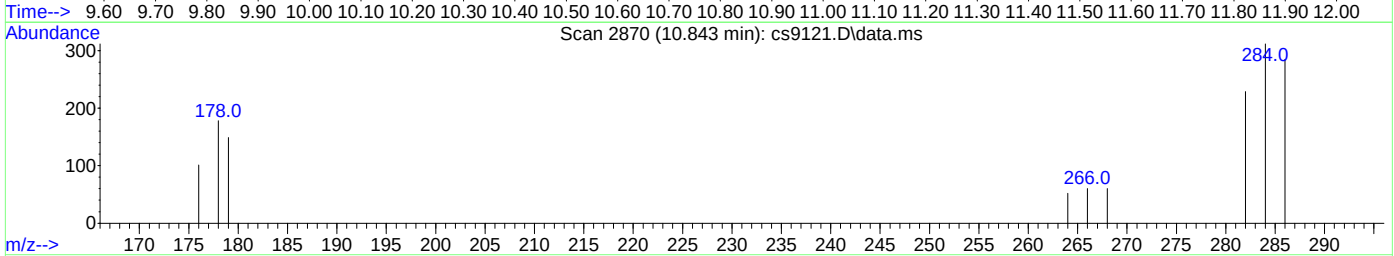
Ion	Exp%	Act%
166.00	100	100
165.00	94.10	65.74
167.00	13.00	14.72
0.00	0.00	0.00

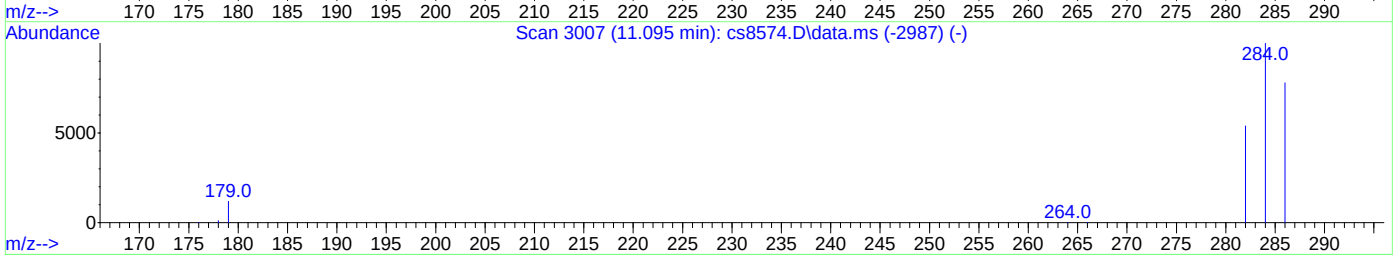
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\lorenat\Octubre\2025-10-20\ecs470\
Data File : cs9121.D
Acq On : 18 Oct 2025 07:13 pm
Operator : rocquans
Sample : je21034-1 Inst : GCMS_CS
Misc : op68253a,ecs470,250,,,1,1
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Oct 20 18:07:46 2025
Quant Method : X:\Dayton SVOA GCMS\lorenat\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 18:05:43 2025
Response via : Initial Calibration







TIC: cs9121.D\data.ms

(19) Hexachlorobenzene (t)

10.843min (+0.001) 3.14ppb

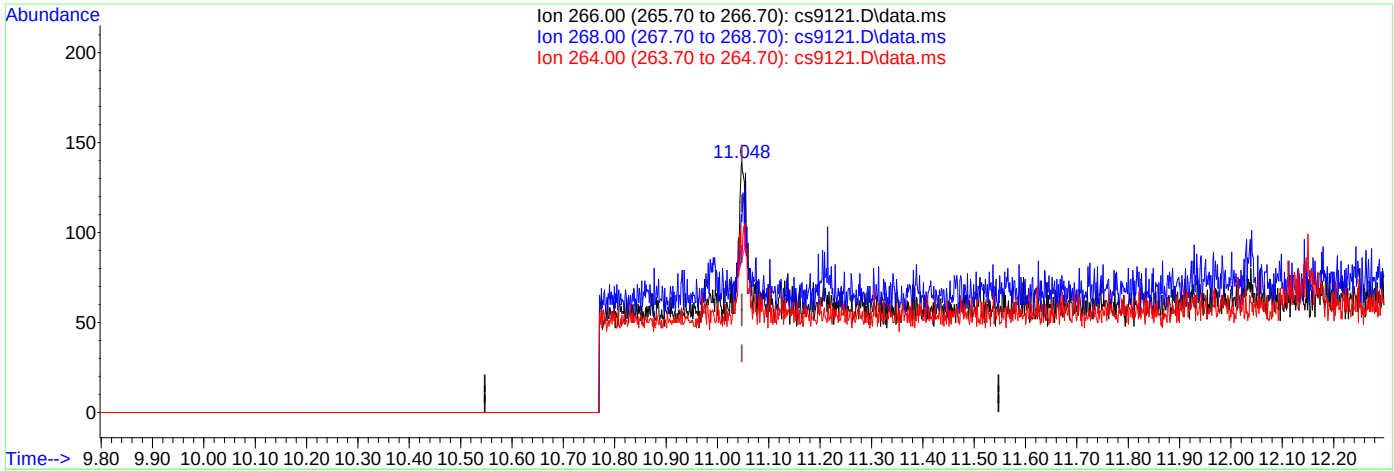
response 96

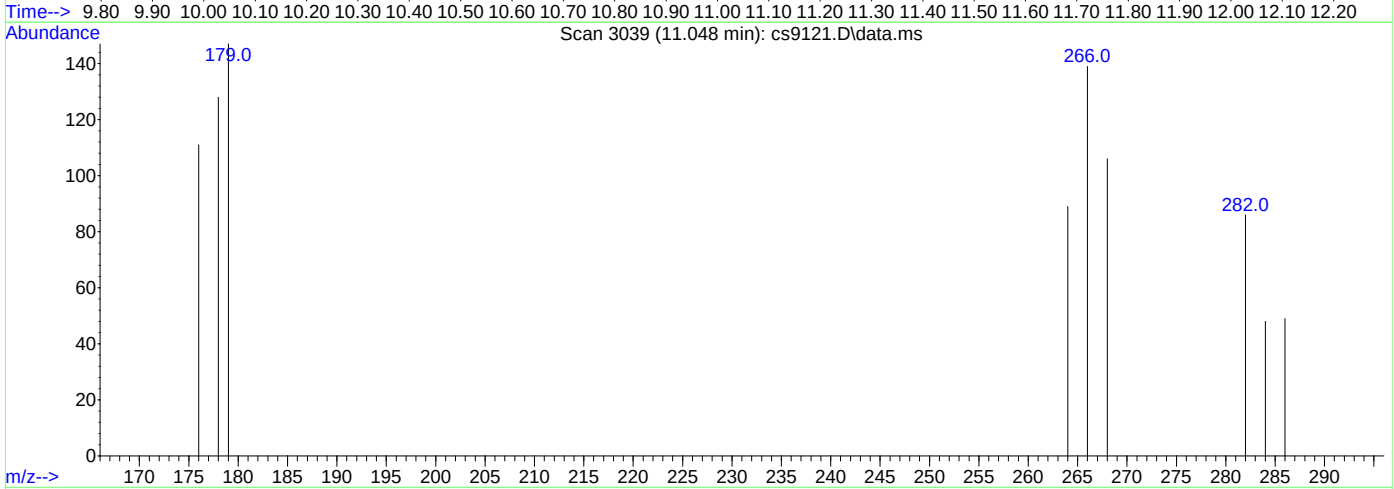
Ion	Exp%	Act%
284.00	100	100
286.00	78.50	88.68
282.00	51.90	57.74
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\lorenat\Octubre\2025-10-20\ecs470\
Data File : cs9121.D
Acq On : 18 Oct 2025 07:13 pm
Operator : rocquans
Sample : je21034-1 Inst : GCMS_CS
Misc : op68253a,ecs470,250,,,1,1
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Oct 20 18:07:46 2025
Quant Method : X:\Dayton SVOA GCMS\lorenat\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 18:05:43 2025
Response via : Initial Calibration





TIC: cs9121.D\data.ms

(20) Pentachlorophenol (t)

11.048min (+0.000) 16.59ppb

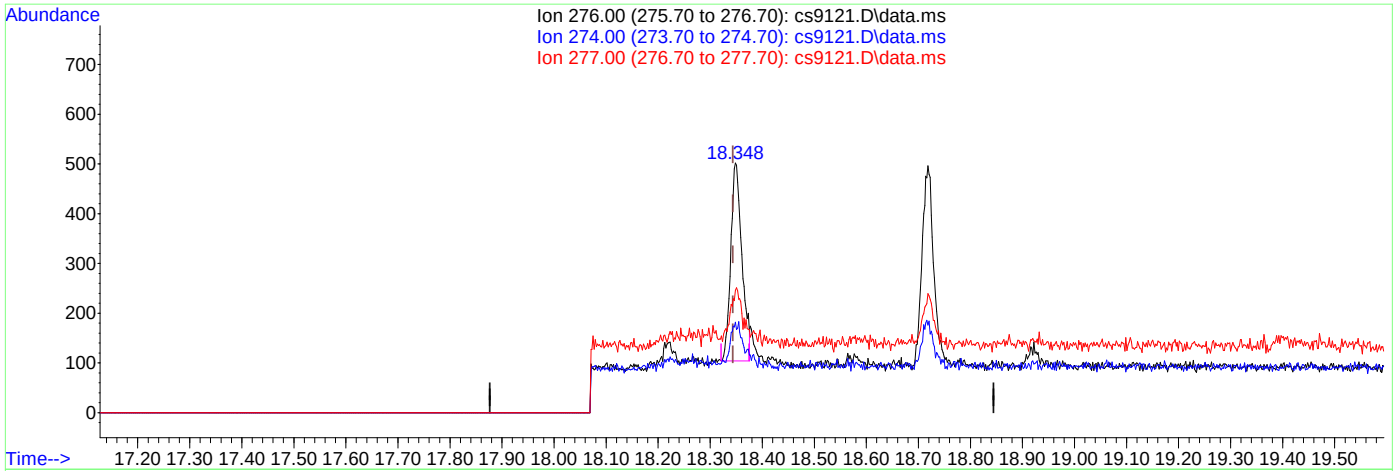
response 28

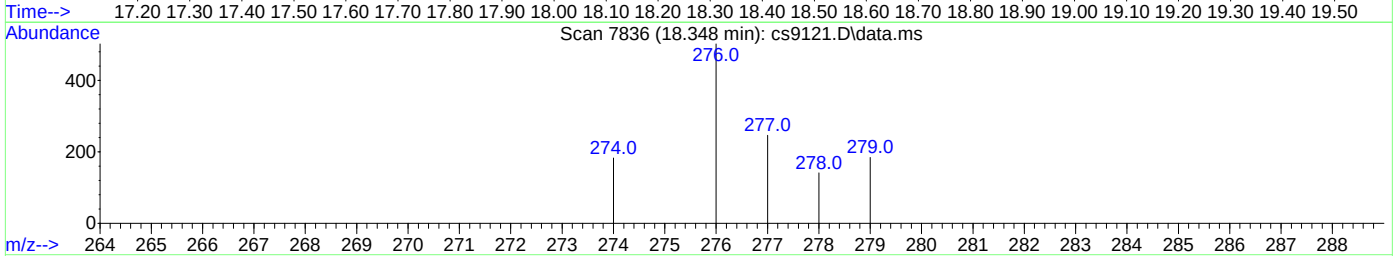
Ion	Exp%	Act%
266.00	100	100
268.00	62.80	0.00#
264.00	62.80	64.29
0.00	0.00	0.00

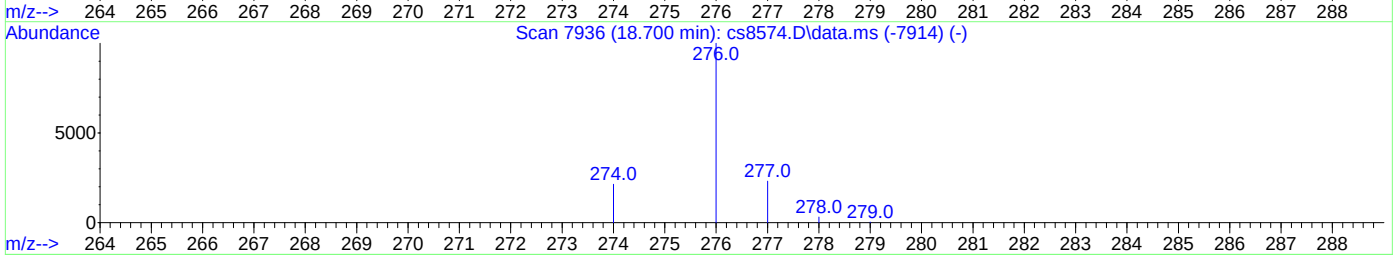
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\lorenat\Octubre\2025-10-20\ecs470\
Data File : cs9121.D
Acq On : 18 Oct 2025 07:13 pm
Operator : rocquans
Sample : je21034-1 Inst : GCMS_CS
Misc : op68253a,ecs470,250,,,1,1
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Oct 20 19:26:13 2025
Quant Method : X:\Dayton SVOA GCMS\lorenat\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 18:05:43 2025
Response via : Initial Calibration







TIC: cs9121.D\data.ms

(32) Indeno[1,2,3-cd]pyrene (t)

18.348min (+0.004) 7.37ppb

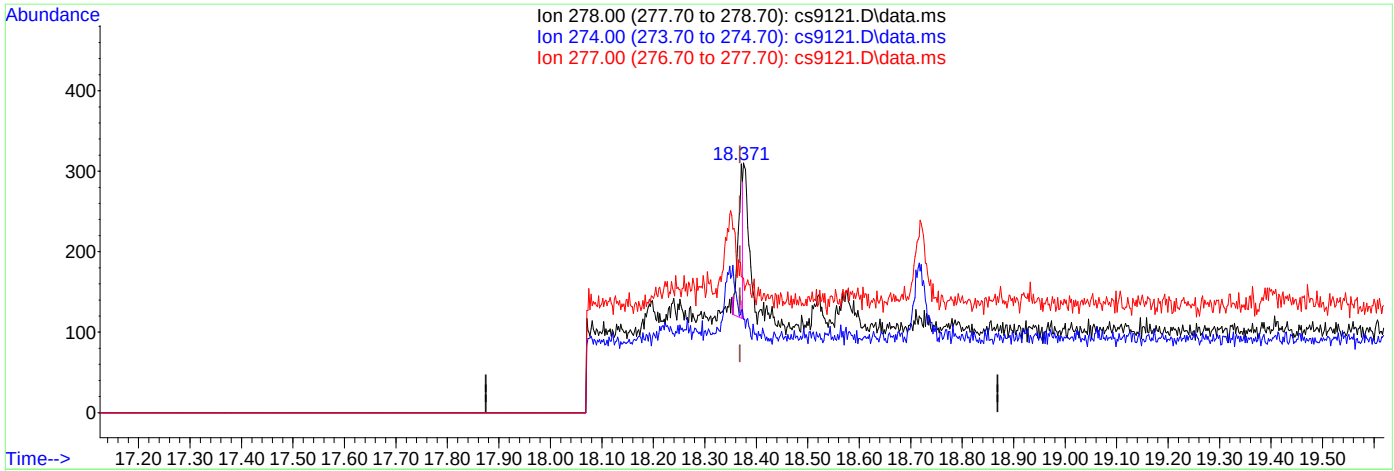
response 592

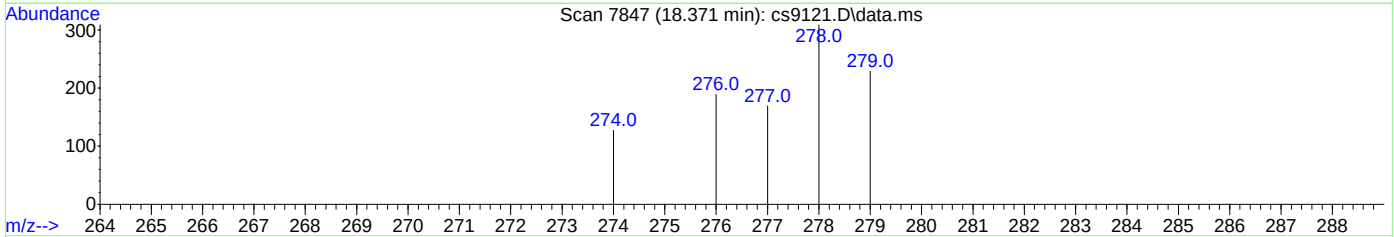
Ion	Exp%	Act%
276.00	100	100
274.00	22.50	20.22
277.00	25.70	23.20
0.00	0.00	0.00

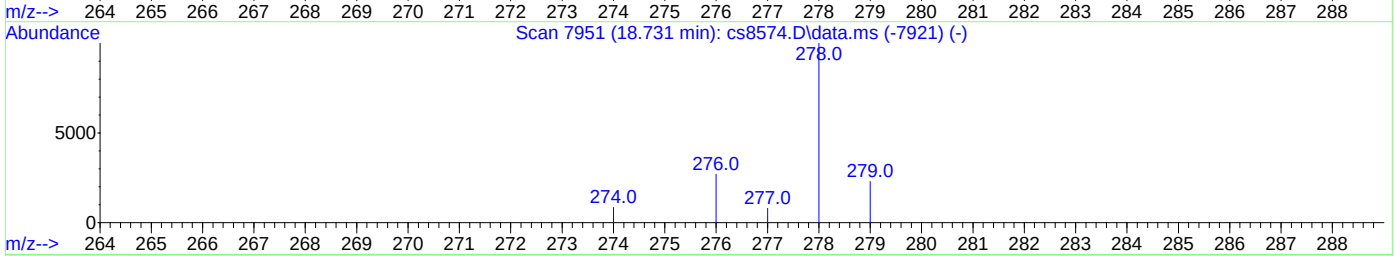
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\lorenat\Octubre\2025-10-20\ecs470\
Data File : cs9121.D
Acq On : 18 Oct 2025 07:13 pm
Operator : rocquans
Sample : je21034-1 Inst : GCMS_CS
Misc : op68253a,ecs470,250,,,1,1
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Oct 20 19:26:13 2025
Quant Method : X:\Dayton SVOA GCMS\lorenat\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 18:05:43 2025
Response via : Initial Calibration







TIC: cs9121.D\data.ms

(33) Dibenz[a,h]anthracene (t)

18.371min (+0.002) 1.51ppb

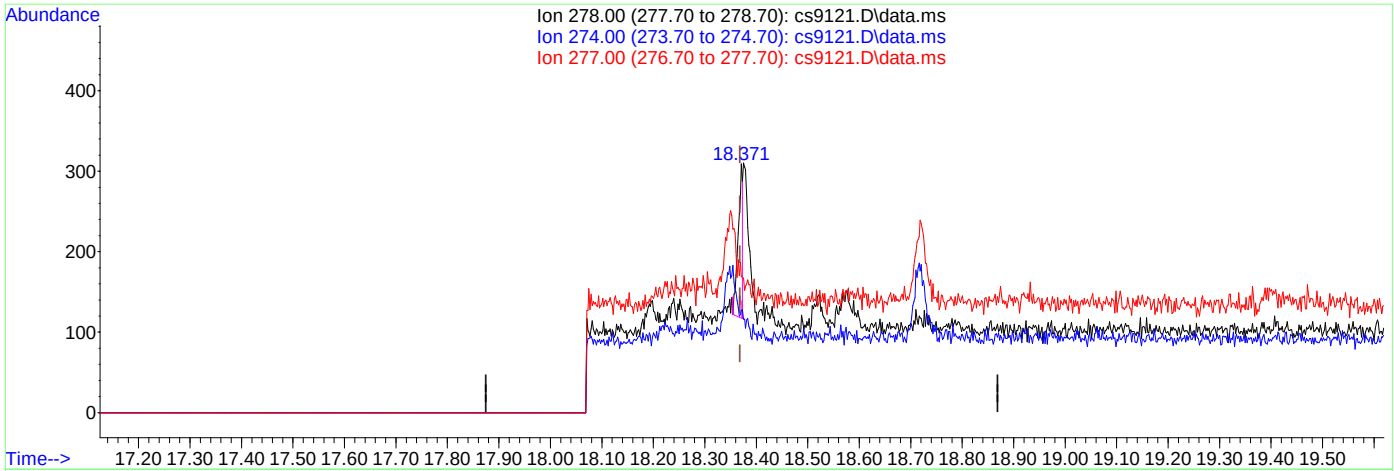
response 114

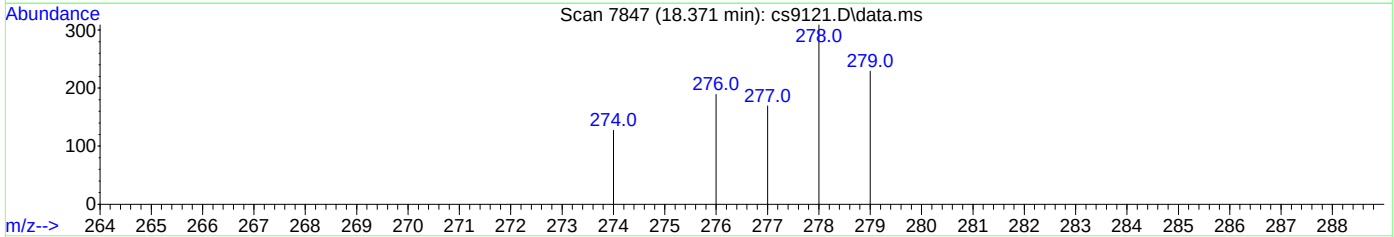
Ion	Exp%	Act%
278.00	100	100
274.00	9.30	0.00
277.00	9.00	0.00
0.00	0.00	0.00

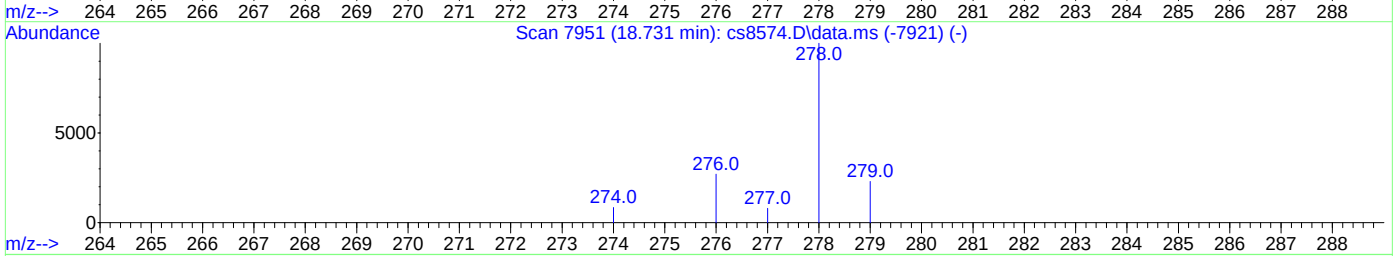
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\lorenat\Octubre\2025-10-20\ecs470\
Data File : cs9121.D
Acq On : 18 Oct 2025 07:13 pm
Operator : rocquans
Sample : je21034-1 Inst : GCMS_CS
Misc : op68253a,ecs470,250,,,1,1
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Oct 20 19:26:13 2025
Quant Method : X:\Dayton SVOA GCMS\lorenat\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 18:05:43 2025
Response via : Initial Calibration







TIC: cs9121.D\data.ms

(33) Dibenz[a,h]anthracene (t)

18.371min (+0.002) 1.51ppb

response 114

Ion	Exp%	Act%
278.00	100	100
274.00	9.30	0.00
277.00	9.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Ying Li
10/21/25 09:29

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\anthonyt\10-19-25\e2m6525\
Data File : 2M144262.d
Acq On : 18 Oct 2025 8:38 pm
Operator : rocquans
Sample : je21034-3 Inst : GCMS2M
Misc : op68166a,E2M6525,250,,,1,1
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 19 14:02:36 2025
Quant Method : X:\Dayton SVOA GCMS\anthonyt\methods\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sun Oct 19 13:14:24 2025
Response via : Initial Calibration

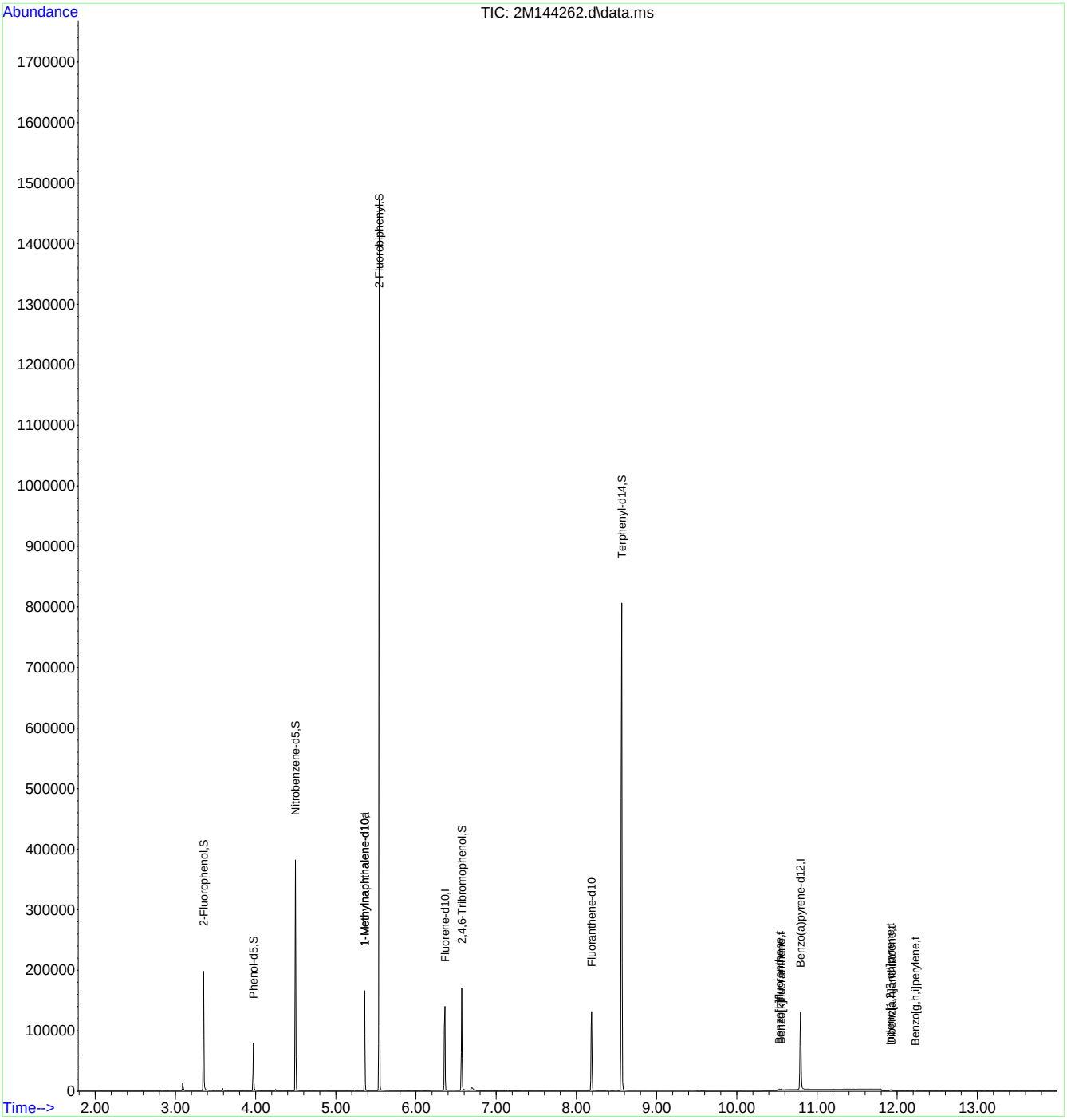
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1-Methylnaphthalene-d10	5.361	150	36522	800.00	ppb		0.00
12) Fluorene-d10	6.361	176	51483	800.00	ppb		0.00
19) Fluoranthene-d10	8.191	212	87361	800.00	ppb		0.00
29) Benzo(a)pyrene-d12	10.795	264	83691	800.00	ppb	#	0.00
36) 1-Methylnaphthalene-d10a	5.361	150	36522	800.00	ppb		0.00
System Monitoring Compounds							
3) 2-Fluorophenol	3.350	112	59139	2063.19	ppb		0.01
Spiked Amount 10000.000			Recovery =	20.63%			
4) Phenol-d5	3.973	99	45848	1469.01	ppb		0.01
Spiked Amount 10000.000			Recovery =	14.69%			
6) Nitrobenzene-d5	4.498	82	161063	5591.14	ppb		0.00
Spiked Amount 10000.000			Recovery =	55.91%			
13) 2-Fluorobiphenyl	5.541	172	461354	5585.25	ppb		0.00
Spiked Amount 10000.000			Recovery =	55.85%			
18) 2,4,6-Tribromophenol	6.570	330	46721	4212.86	ppb		0.00
Spiked Amount 10000.000			Recovery =	42.13%			
26) Terphenyl-d14	8.565	244	424984	4592.16	ppb		0.00
Spiked Amount 10000.000			Recovery =	45.92%			
Target Compounds							Qvalue
30) Benzo[b]fluoranthene	10.531	252	920	6.4151	ppb		98
31) Benzo[k]fluoranthene	10.552	252	755	4.9472	ppb		96
33) Indeno[1,2,3-cd]pyrene	11.911	276	1635m	7.9386	ppb		
34) Dibenz[a,h]anthracene	11.928	278	1143	6.9938	ppb		97
35) Benzo[g,h,i]perylene	12.225	276	1508	8.8386	ppb		100

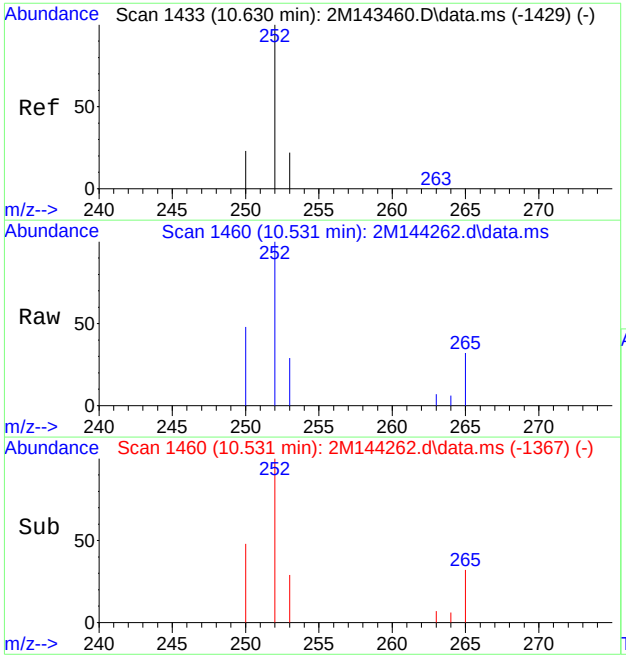
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\anthonyt\10-19-25\e2m6525\
Data File : 2M144262.d
Acq On : 18 Oct 2025 8:38 pm
Operator : rocquans
Sample : je21034-3 Inst : GCMS2M
Misc : op68166a,E2M6525,250,,,1,1
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 19 14:02:36 2025
Quant Method : X:\Dayton SVOA GCMS\anthonyt\methods\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sun Oct 19 13:14:24 2025
Response via : Initial Calibration

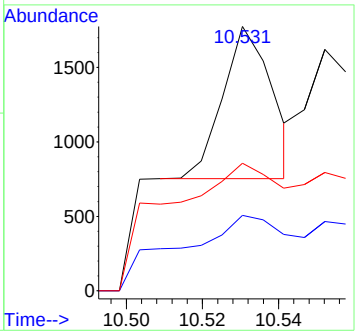


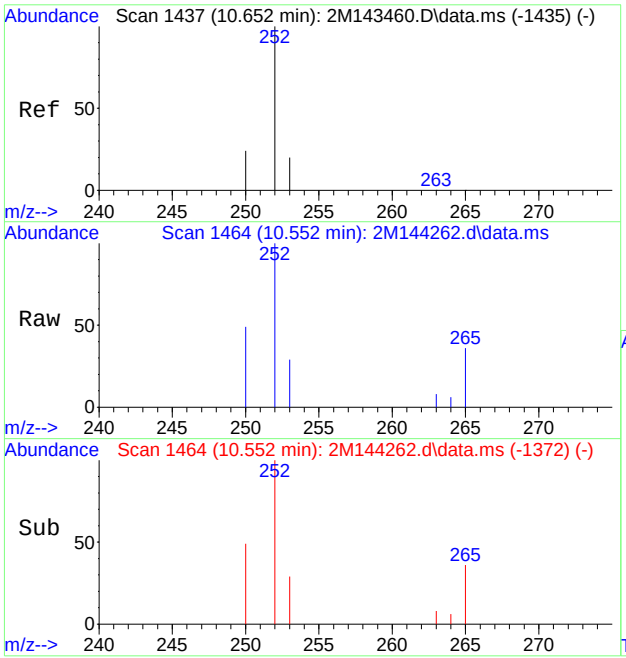


#30
Benzo[b]fluoranthene
Concen: 6.4151 ppb
RT: 10.531 min Scan# 1460
Delta R.T. -0.000 min
Lab File: 2M144262.d
Acq: 18 Oct 2025 8:38 pm

Tgt Ion:252 Resp: 920

Ion	Ratio	Lower	Upper
252	100		
253	21.0	0.0	49.6
250	26.4	0.0	56.2

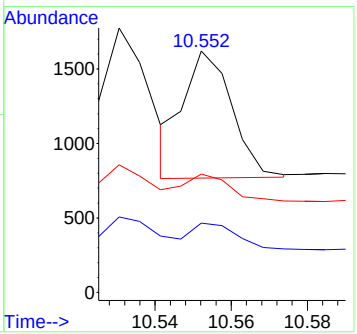


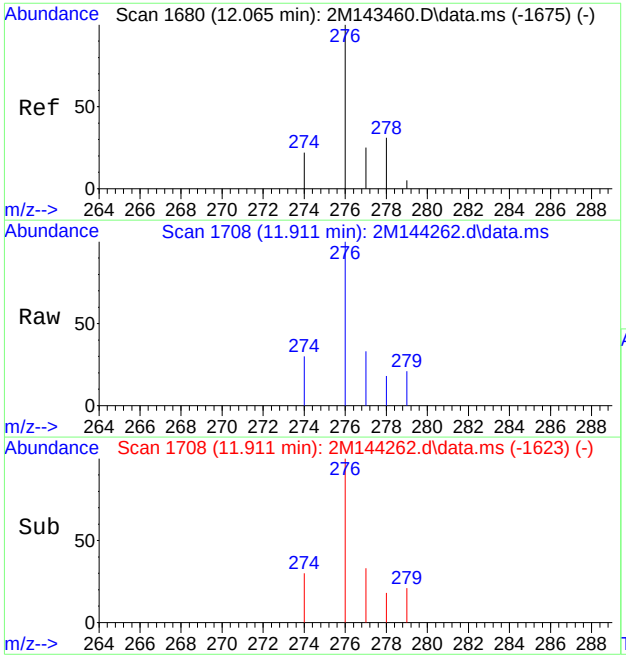


#31
Benzo[k]fluoranthene
Concen: 4.9472 ppb
RT: 10.552 min Scan# 1464
Delta R.T. -0.006 min
Lab File: 2M144262.d
Acq: 18 Oct 2025 8:38 pm

Tgt Ion:252 Resp: 755

Ion	Ratio	Lower	Upper
252	100		
253	19.5	0.0	51.9
250	21.5	0.0	52.6

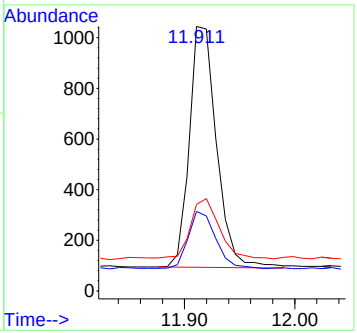


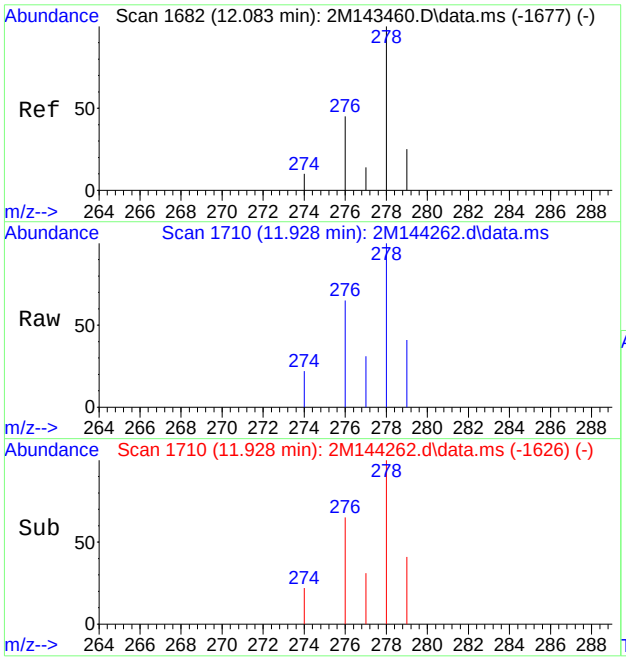


#33
Indeno[1,2,3-cd]pyrene
Concen: 7.9386 ppb m
RT: 11.911 min Scan# 1708
Delta R.T. -0.000 min
Lab File: 2M144262.d
Acq: 18 Oct 2025 8:38 pm

Tgt Ion:276 Resp: 1635

Ion	Ratio	Lower	Upper
276	100		
274	30.0	0.0	53.8
277	32.7	0.0	52.0

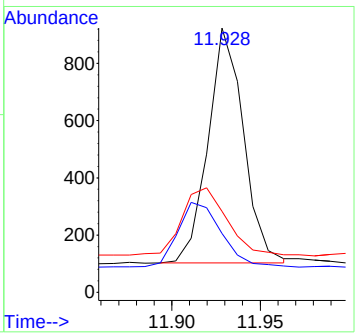


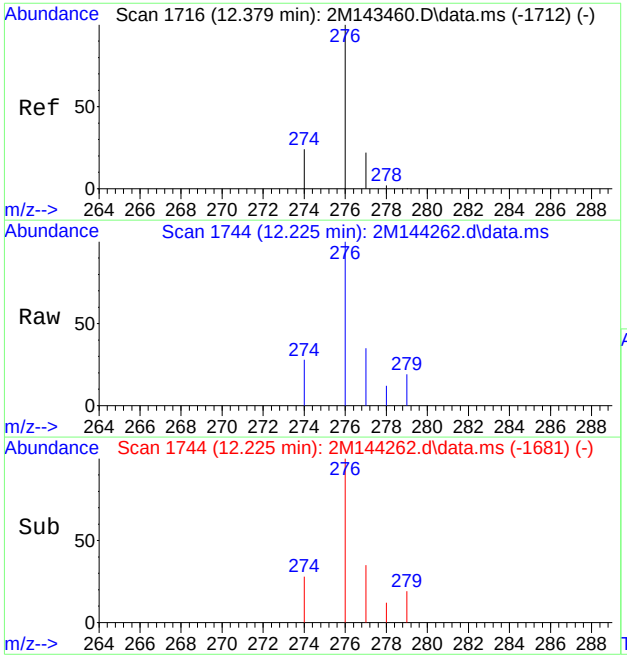


#34
Dibenz[a,h]anthracene
Concen: 6.9938 ppb
RT: 11.928 min Scan# 1710
Delta R.T. -0.000 min
Lab File: 2M144262.d
Acq: 18 Oct 2025 8:38 pm

Tgt Ion:278 Resp: 1143

Ion	Ratio	Lower	Upper
278	100		
274	13.3	0.0	42.6
277	18.3	0.0	46.3

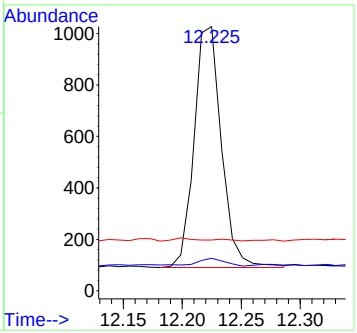




#35
Benzo[g,h,i]perylene
Concen: 8.8386 ppb
RT: 12.225 min Scan# 1744
Delta R.T. -0.000 min
Lab File: 2M144262.d
Acq: 18 Oct 2025 8:38 pm

Tgt Ion:276 Resp: 1508

Ion	Ratio	Lower	Upper
276	100		
278	2.9	0.0	32.9
279	0.4	0.0	30.2



Manual Integration Approval Summary

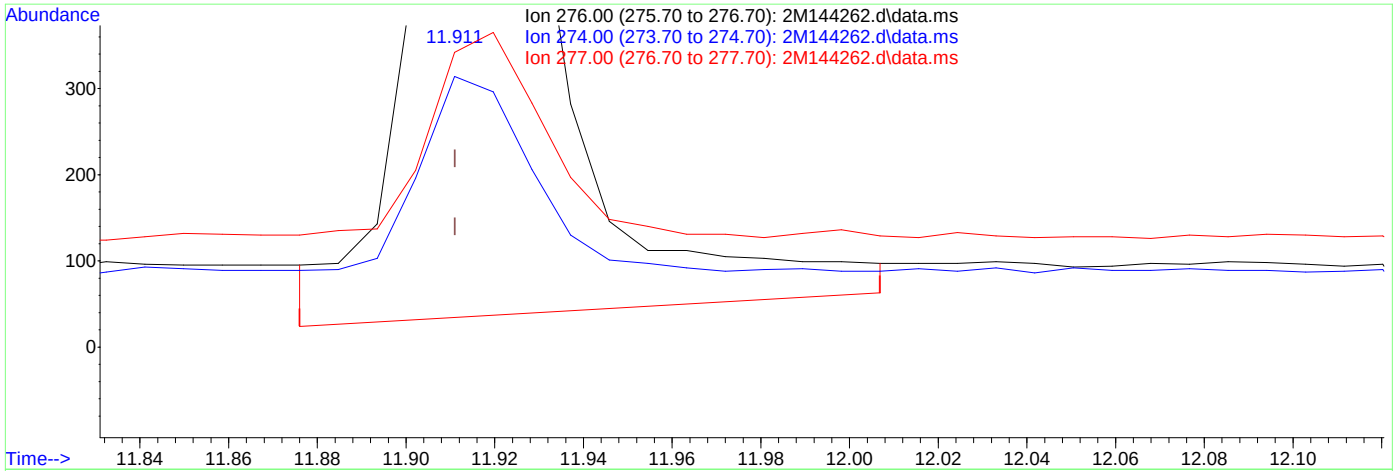
Sample Number: JE21034-3
Lab FileID: 2M144262.D
Injection Time: 10/18/25 20:38
Method: SW846 8270E BY SIM
Analyst approved: 10/19/25 02:32 Anthony Torre
Supervisor approved: 10/21/25 09:29 Ying Li

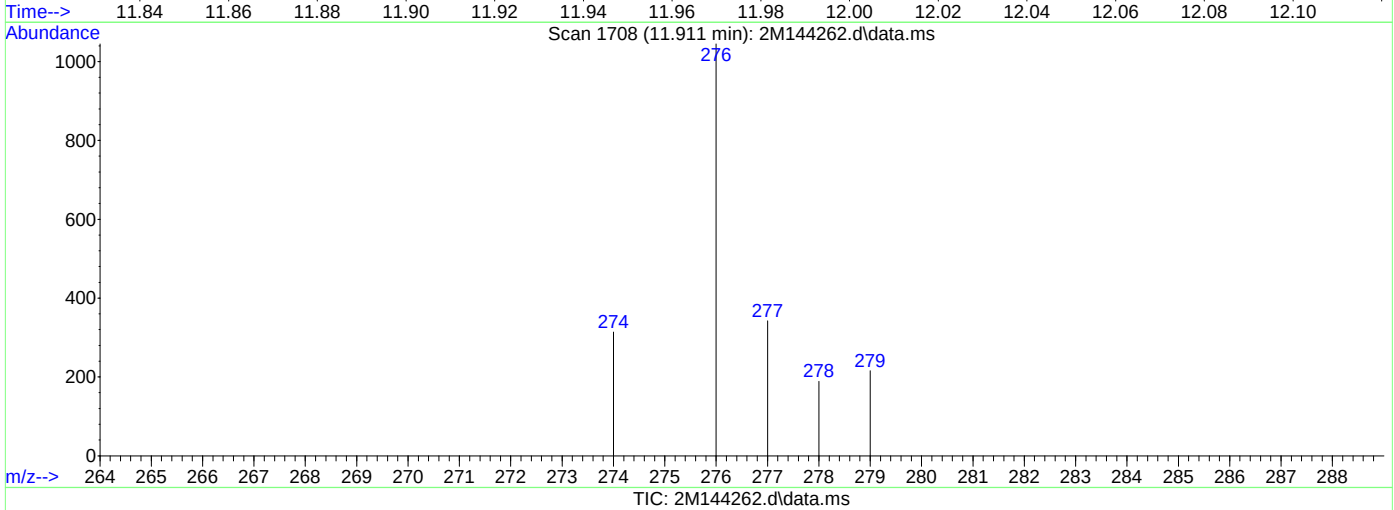
Parameter	CAS	Sig#	R.T. (min.)	Reason
Indeno(1,2,3-cd)pyrene	193-39-5		11.91	Poor instrument integration

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\anthonyt\10-19-25\e2m6525\
Data File : 2M144262.d
Acq On : 18 Oct 2025 8:38 pm
Operator : rocquans
Sample : je21034-3 Inst : GCMS2M
Misc : op68166a,E2M6525,250,,,1,1
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 19 13:31:37 2025
Quant Method : X:\Dayton SVOA GCMS\anthonyt\methods\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sun Oct 19 13:14:24 2025
Response via : Initial Calibration





TIC: 2M144262.d\data.ms

(33) Indeno[1,2,3-cd]pyrene (t)

11.911min (-0.000) 9.84ppb

response 2026

Ion	Exp%	Act%
276.00	100	100
274.00	23.80	23.76
277.00	22.00	22.39
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Ying Li
10/20/25 11:45

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\alodiab\EZ8690\
Data File : Z176491.d
Acq On : 19 Oct 2025 10:24 pm
Operator : thomasl
Sample : je21034-4 Inst : GCMSZ
Misc : op68166a,ez8690,250,,,1,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 20 07:53:42 2025
Quant Method : X:\Dayton SVOA GCMS\alodiab\Methods\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 07:42:22 2025
Response via : Initial Calibration

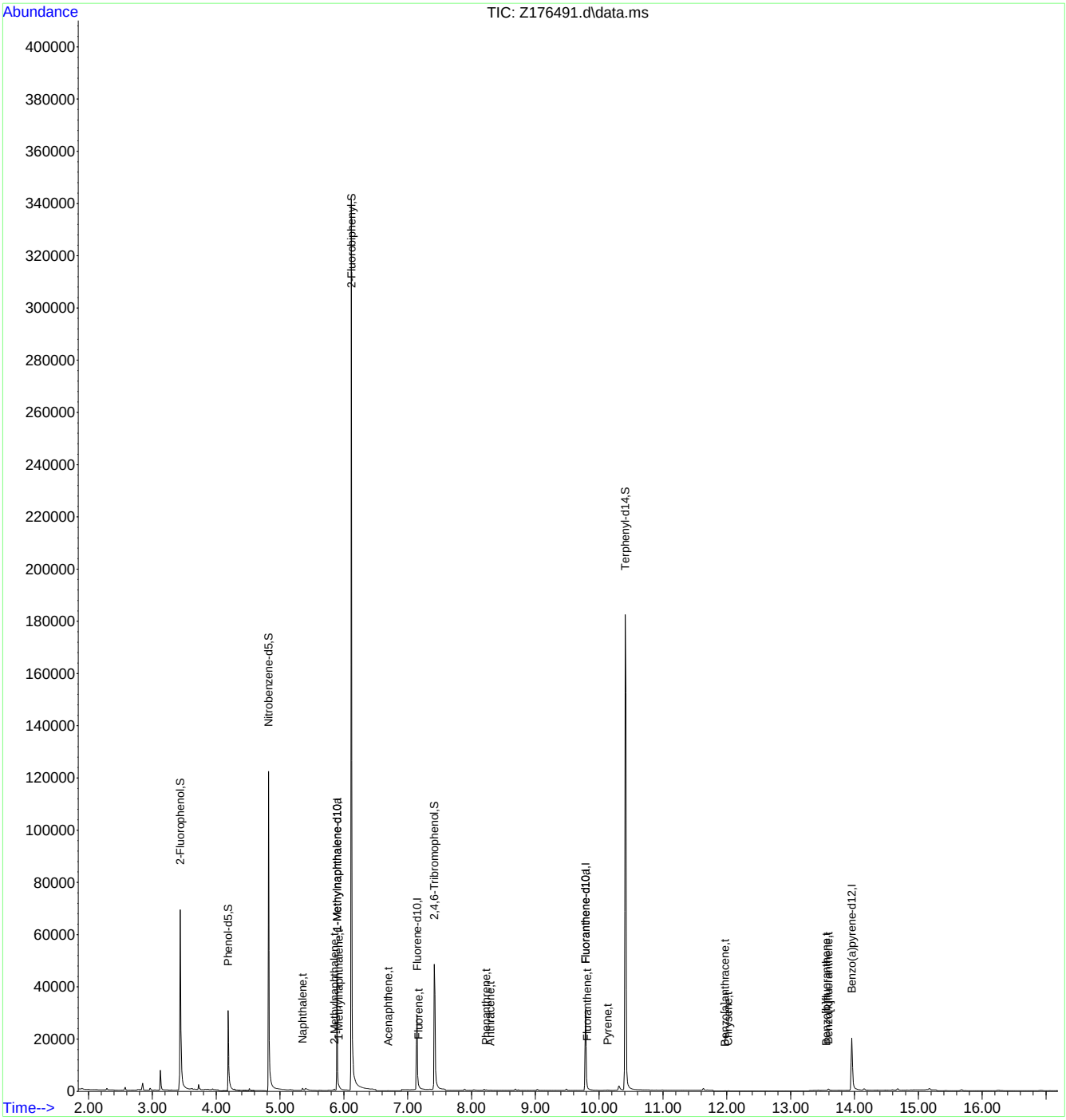
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	5.891	150	14668	800.00	ppb	0.00
12) Fluorene-d10	7.145	176	18352	800.00	ppb	0.00
19) Fluoranthene-d10	9.786	212	29522	800.00	ppb	0.00
28) Benzo(a)pyrene-d12	13.959	264	24510	800.00	ppb	0.00
35) 1-Methylnaphthalene-d10a	5.891	150	14668	800.00	ppb	0.00
37) Fluoranthene-d10a	9.786	212	29522	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	3.437	112	37750	3804.83	ppb	0.00
Spiked Amount 10000.000			Recovery =	38.05%		
4) Phenol-d5	4.187	99	28397	2494.46	ppb	0.00
Spiked Amount 10000.000			Recovery =	24.94%		
6) Nitrobenzene-d5	4.821	82	71442	5827.37	ppb	0.00
Spiked Amount 10000.000			Recovery =	58.27%		
13) 2-Fluorobiphenyl	6.118	172	166265	6462.72	ppb	0.00
Spiked Amount 10000.000			Recovery =	64.63%		
18) 2,4,6-Tribromophenol	7.418	330	26585	6213.61	ppb	0.00
Spiked Amount 10000.000			Recovery =	62.14%		
25) Terphenyl-d14	10.410	244	159921	6513.17	ppb	0.00
Spiked Amount 10000.000			Recovery =	65.13%		
Target Compounds						Qvalue
7) Naphthalene	5.352	128	677m	16.7638	ppb	
9) 2-Methylnaphthalene	5.850	141	165	7.0726	ppb	89
10) 1-Methylnaphthalene	5.921	141	86	3.4810	ppb	88
15) Acenaphthene	6.695	153	52	2.0003	ppb	91
16) Fluorene	7.166	166	93	3.3403	ppb	96
21) Phenanthrene	8.227	178	175	4.8176	ppb	88
22) Anthracene	8.295	178	91	1.9702	ppb	93
23) Fluoranthene	9.811	202	115	2.5066	ppb	86
24) Pyrene	10.131	202	102	2.1548	ppb	97
26) Benzo[a]anthracene	11.969	228	79	2.5368	ppb	97
27) Chrysene	12.021	228	83m	1.7168	ppb	
29) Benzo[b]fluoranthene	13.556	252	80m	1.9650	ppb	
30) Benzo[k]fluoranthene	13.591	252	115m	2.3303	ppb	

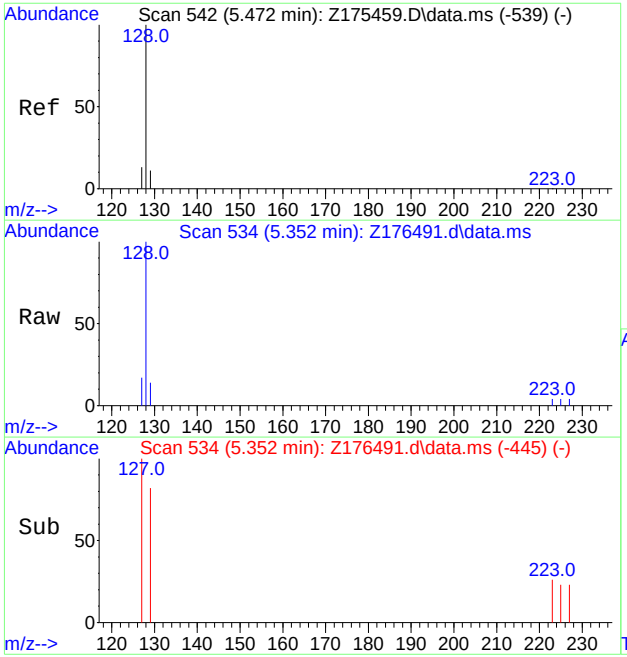
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\alodiab\EZ8690\
Data File : Z176491.d
Acq On : 19 Oct 2025 10:24 pm
Operator : thomasl
Sample : je21034-4 Inst : GCMSZ
Misc : op68166a,ez8690,250,,,1,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 20 07:53:42 2025
Quant Method : X:\Dayton SVOA GCMS\alodiab\Methods\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 07:42:22 2025
Response via : Initial Calibration

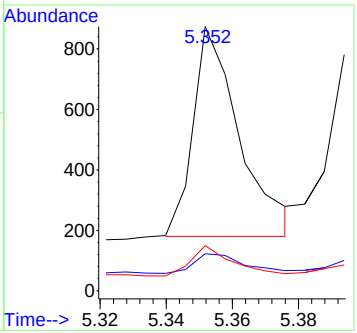


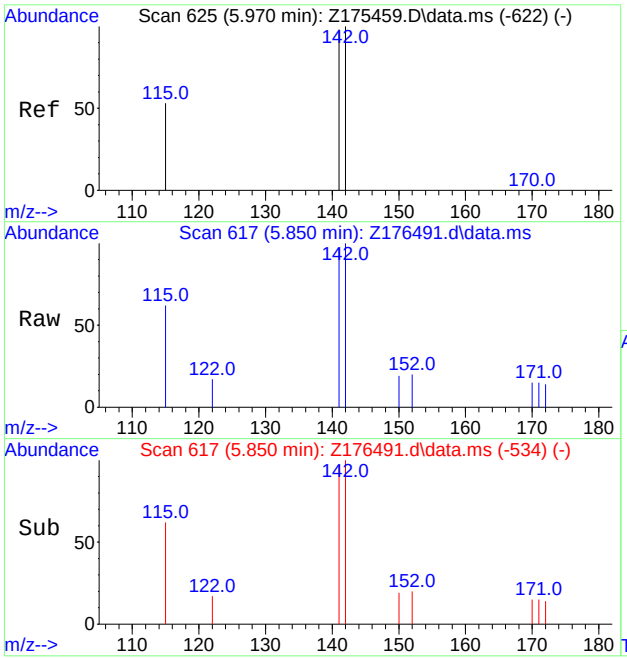


#7
Naphthalene
Concen: 16.7638 ppb m
RT: 5.352 min Scan# 534
Delta R.T. -0.000 min
Lab File: Z176491.d
Acq: 19 Oct 2025 10:24 pm

Tgt Ion:128 Resp: 677

Ion	Ratio	Lower	Upper
128	100		
129	14.1	0.0	41.7
127	17.1	0.0	40.6

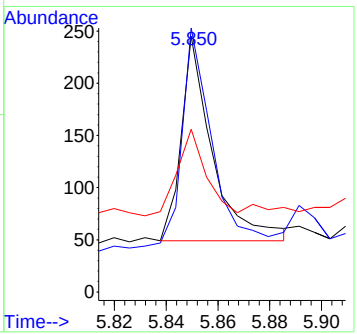


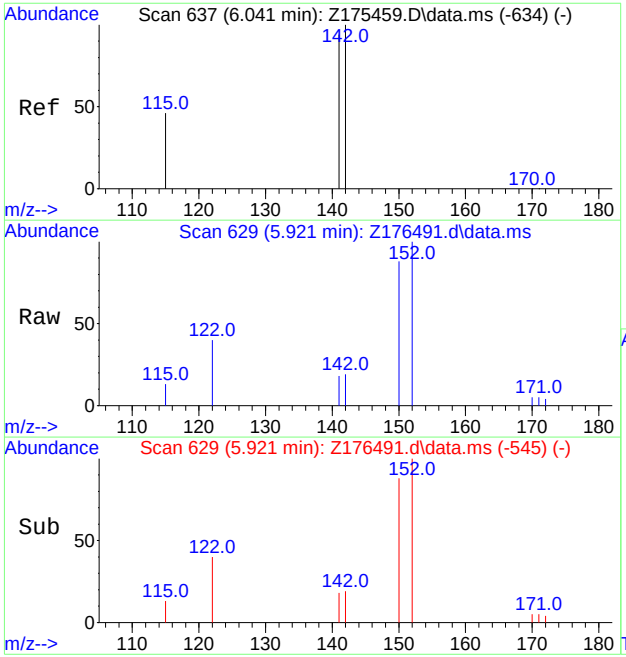


#9
2-Methylnaphthalene
Concen: 7.0726 ppb
RT: 5.850 min Scan# 617
Delta R.T. 0.000 min
Lab File: Z176491.d
Acq: 19 Oct 2025 10:24 pm

Tgt Ion:141 Resp: 165

Ion	Ratio	Lower	Upper
141	100		
142	105.8	88.4	148.4
115	40.5	5.7	65.7

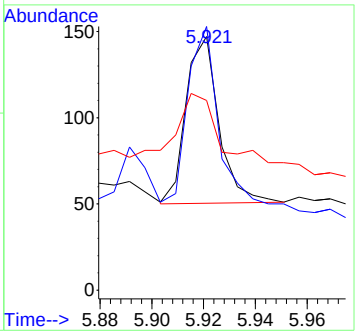


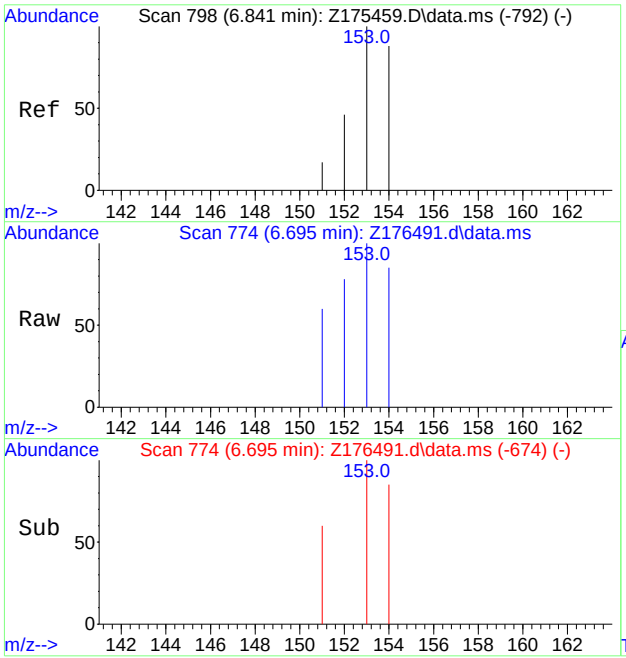


#10
1-Methylnaphthalene
Concen: 3.4810 ppb
RT: 5.921 min Scan# 629
Delta R.T. 0.006 min
Lab File: Z176491.d
Acq: 19 Oct 2025 10:24 pm

Tgt Ion:141 Resp: 86

Ion	Ratio	Lower	Upper
141	100		
142	106.8	68.3	128.3
115	33.9	16.3	76.3

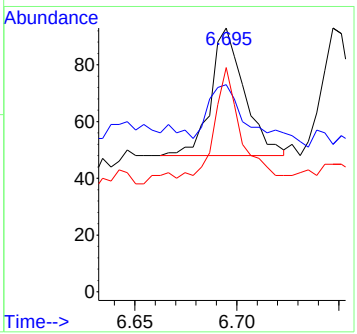


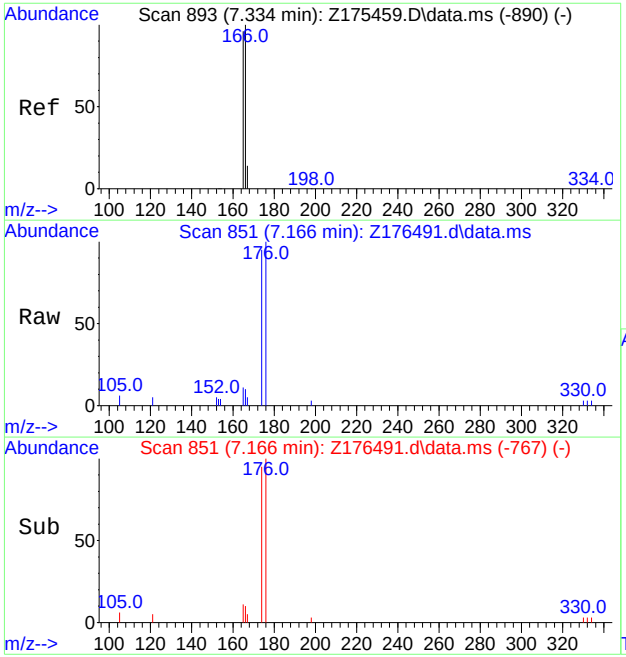


#15
Acenaphthene
Concen: 2.0003 ppb
RT: 6.695 min Scan# 774
Delta R.T. 0.004 min
Lab File: Z176491.d
Acq: 19 Oct 2025 10:24 pm

Tgt Ion:153 Resp: 52

Ion	Ratio	Lower	Upper
153	100		
152	38.6	18.1	78.1
154	86.4	51.2	111.2

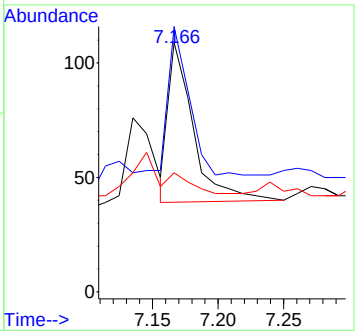


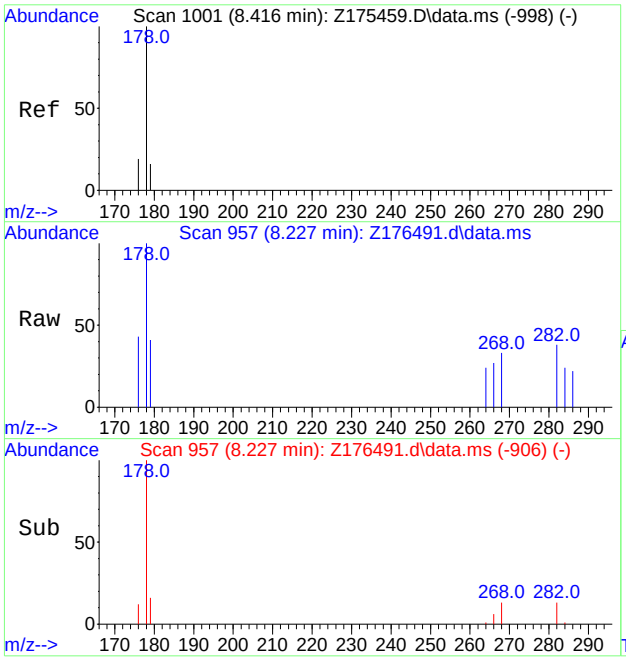


#16
Fluorene
Concen: 3.3403 ppb
RT: 7.166 min Scan# 851
Delta R.T. 0.000 min
Lab File: Z176491.d
Acq: 19 Oct 2025 10:24 pm

Tgt Ion:166 Resp: 93

Ion	Ratio	Lower	Upper
166	100		
165	98.4	72.0	132.0
167	10.9	0.0	42.5

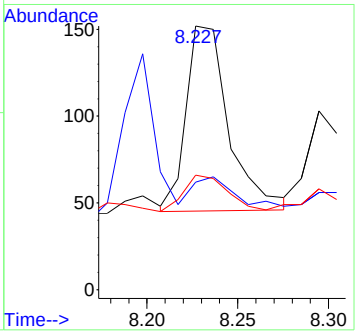


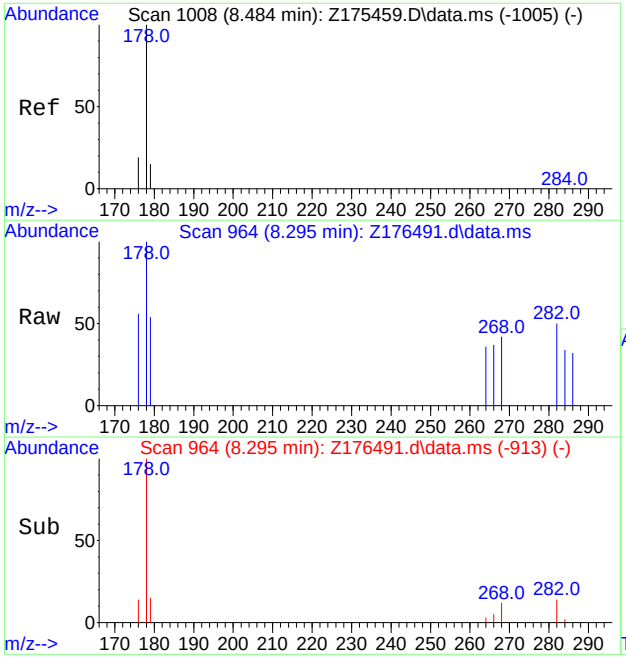


#21
Phenanthrene
Concen: 4.8176 ppb
RT: 8.227 min Scan# 957
Delta R.T. -0.000 min
Lab File: Z176491.d
Acq: 19 Oct 2025 10:24 pm

Tgt Ion:178 Resp: 175

Ion	Ratio	Lower	Upper
178	100		
179	3.9	0.0	45.2
176	18.7	0.0	49.1

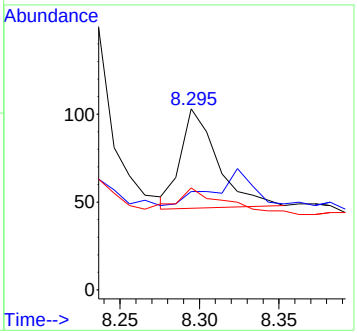


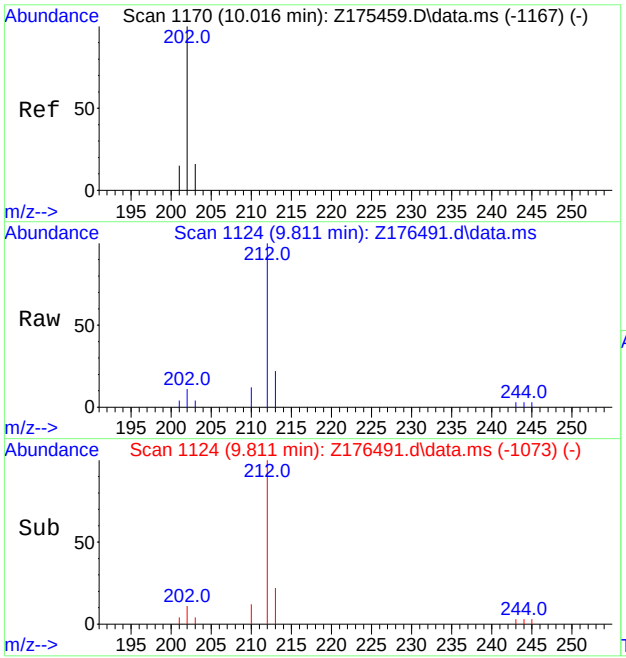


#22
Anthracene
Concen: 1.9702 ppb
RT: 8.295 min Scan# 964
Delta R.T. -0.000 min
Lab File: Z176491.d
Acq: 19 Oct 2025 10:24 pm

Tgt Ion:178 Resp: 91

Ion	Ratio	Lower	Upper
178	100		
179	14.3	0.0	46.1
176	21.0	0.0	46.9

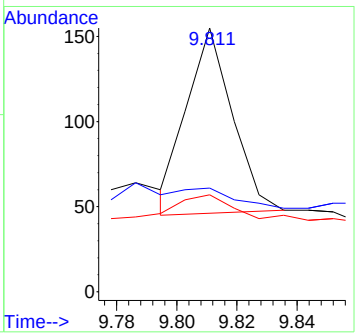


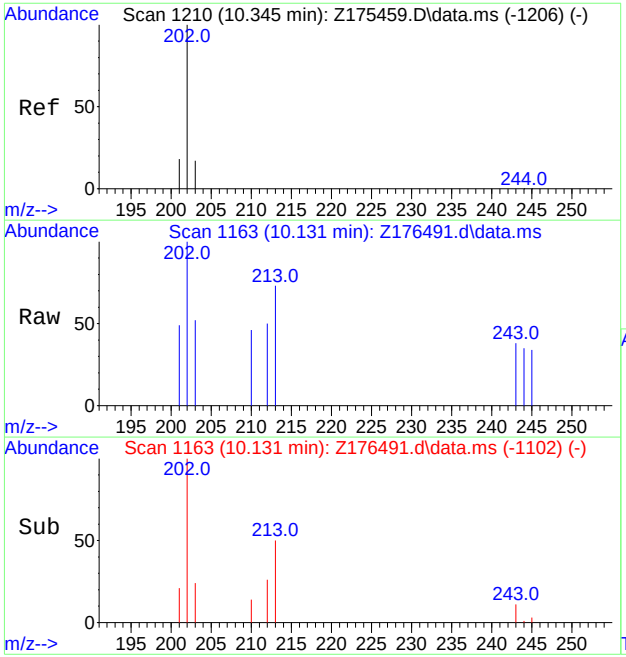


#23
Fluoranthene
Concen: 2.5066 ppb
RT: 9.811 min Scan# 1124
Delta R.T. 0.000 min
Lab File: Z176491.d
Acq: 19 Oct 2025 10:24 pm

Tgt Ion:202 Resp: 115

Ion	Ratio	Lower	Upper
202	100		
203	7.9	0.0	47.1
201	11.4	0.0	43.7

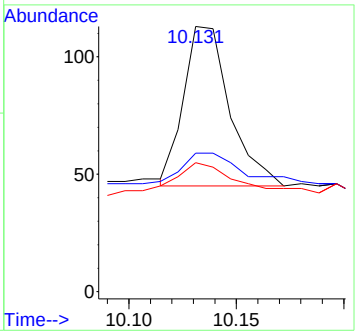


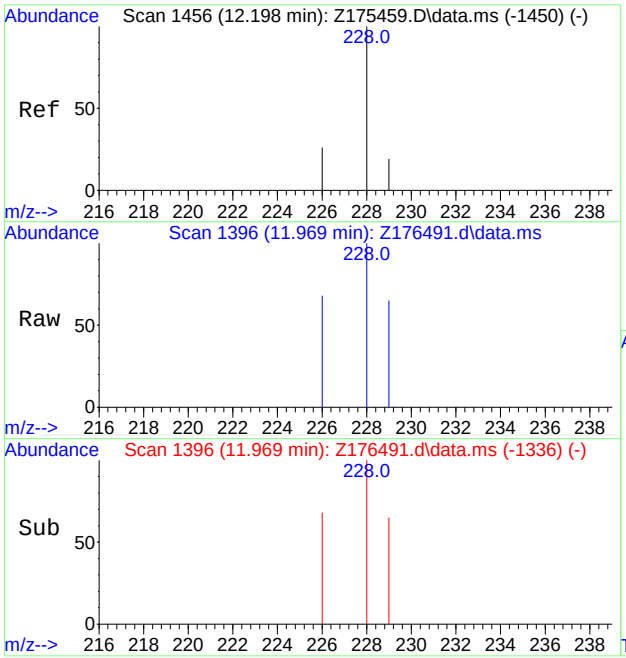


#24
Pyrene
Concen: 2.1548 ppb
RT: 10.131 min Scan# 1163
Delta R.T. 0.000 min
Lab File: Z176491.d
Acq: 19 Oct 2025 10:24 pm

Tgt Ion:202 Resp: 102

Ion	Ratio	Lower	Upper
202	100		
203	16.5	0.0	47.8
201	15.8	0.0	47.1

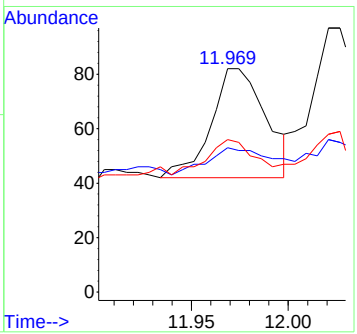


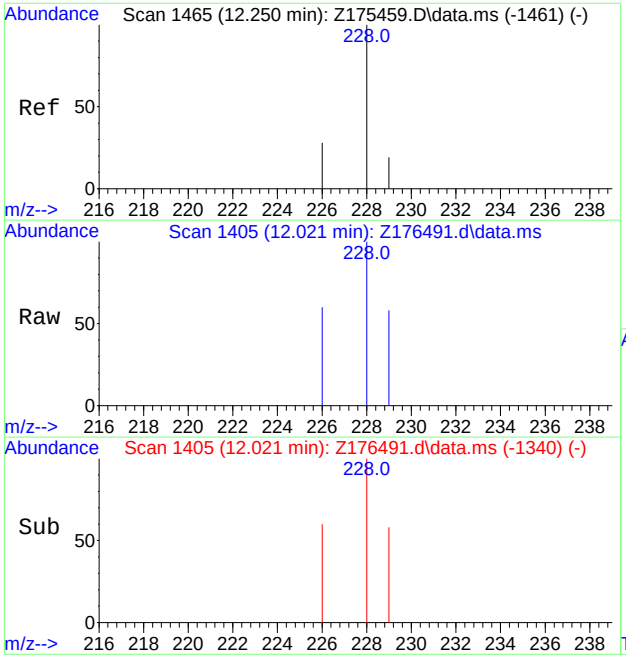


#26
Benzo[a]anthracene
Concen: 2.5368 ppb
RT: 11.969 min Scan# 1396
Delta R.T. 0.006 min
Lab File: Z176491.d
Acq: 19 Oct 2025 10:24 pm

Tgt Ion:228 Resp: 79

Ion	Ratio	Lower	Upper
228	100		
229	18.8	0.0	47.8
226	29.7	0.0	57.9

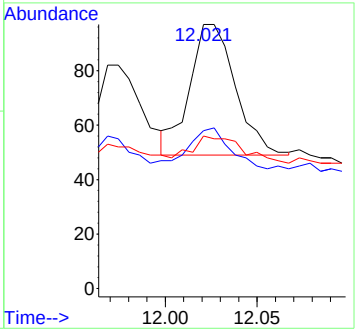


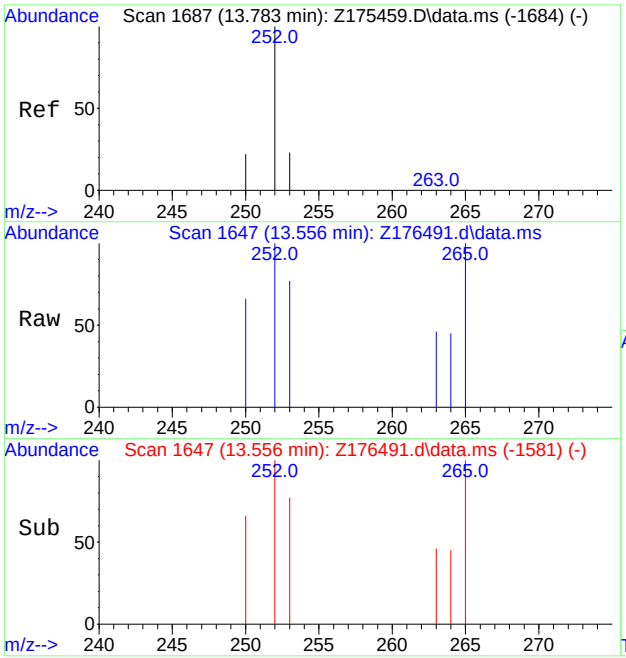


#27
Chrysene
Concen: 1.7168 ppb m
RT: 12.021 min Scan# 1405
Delta R.T. 0.000 min
Lab File: Z176491.d
Acq: 19 Oct 2025 10:24 pm

Tgt Ion:228 Resp: 83

Ion	Ratio	Lower	Upper
228	100		
226	59.8	0.0	56.8#
229	57.7	0.0	49.9#

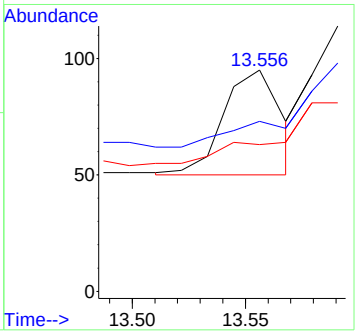


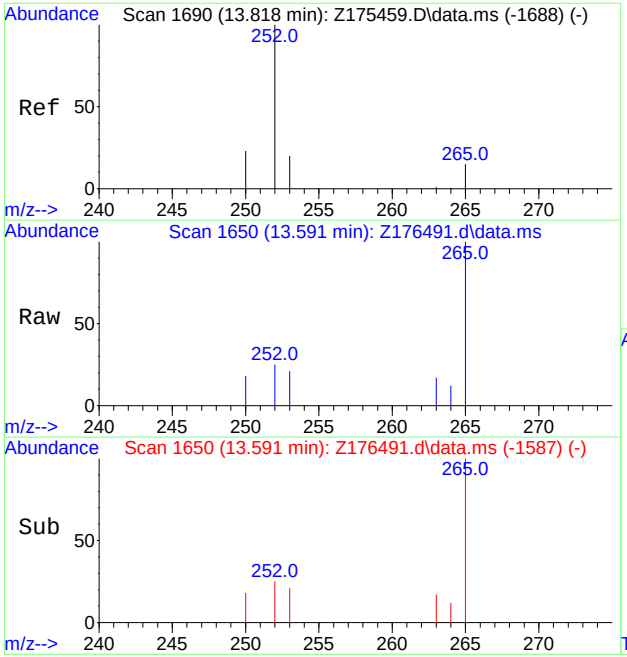


#29
Benzo[b]fluoranthene
Concen: 1.9650 ppb m
RT: 13.556 min Scan# 1647
Delta R.T. 0.011 min
Lab File: Z176491.d
Acq: 19 Oct 2025 10:24 pm

Tgt Ion:252 Resp: 80

Ion	Ratio	Lower	Upper
252	100		
253	76.8	0.0	52.0#
250	66.3	0.0	51.9#

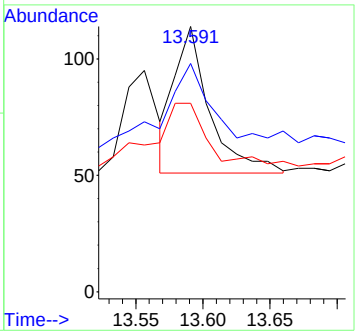




#30
Benzo[k]fluoranthene
Concen: 2.3303 ppb m
RT: 13.591 min Scan# 1650
Delta R.T. 0.011 min
Lab File: Z176491.d
Acq: 19 Oct 2025 10:24 pm

Tgt Ion:252 Resp: 115

Ion	Ratio	Lower	Upper
252	100		
253	86.0	0.0	50.9#
250	71.1	0.0	52.8#



Manual Integration Approval Summary

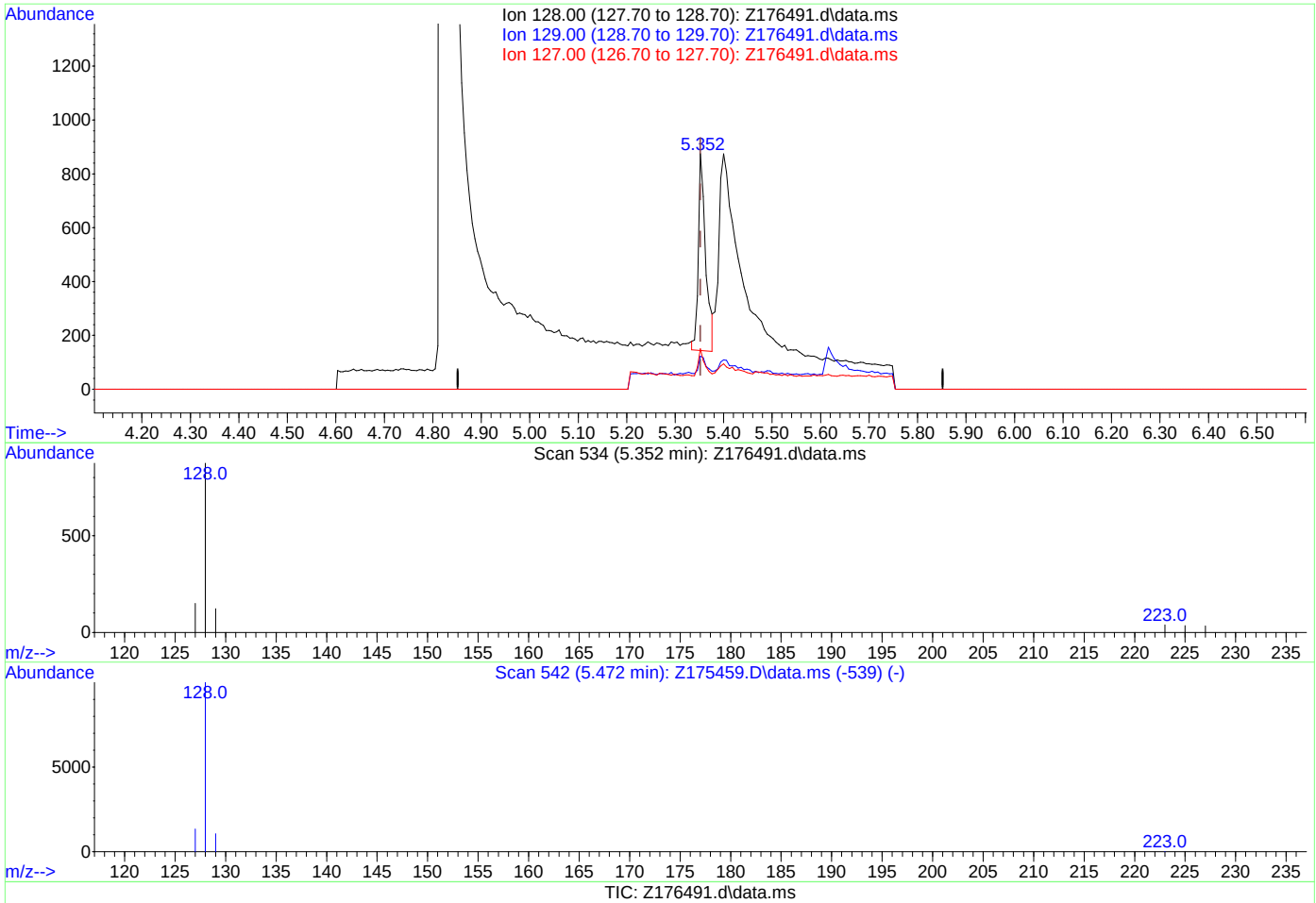
Sample Number: JE21034-4
Lab FileID: Z176491.D
Injection Time: 10/19/25 22:24
Method: SW846 8270E BY SIM
Analyst approved: 10/20/25 04:34 Alodia Hana Barrogo
Supervisor approved: 10/20/25 11:45 Ying Li

Parameter	CAS	Sig#	R.T. (min.)	Reason
Naphthalene	91-20-3		5.35	Poor instrument integration
Chrysene	218-01-9		12.02	Poor instrument integration
Benzo(b)fluoranthene	205-99-2		13.56	Poor instrument integration
Benzo(k)fluoranthene	207-08-9		13.59	Poor instrument integration

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\alodiab\EZ8690\
Data File : Z176491.d
Acq On : 19 Oct 2025 10:24 pm
Operator : thomasl
Sample : je21034-4 Inst : GCMSZ
Misc : op68166a,ez8690,250,,,1,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 20 07:50:18 2025
Quant Method : X:\Dayton SVOA GCMS\alodiab\Methods\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 07:42:22 2025
Response via : Initial Calibration



TIC: Z176491.d\data.ms

(7) Naphthalene (t)

5.352min (-0.000) 19.09ppb

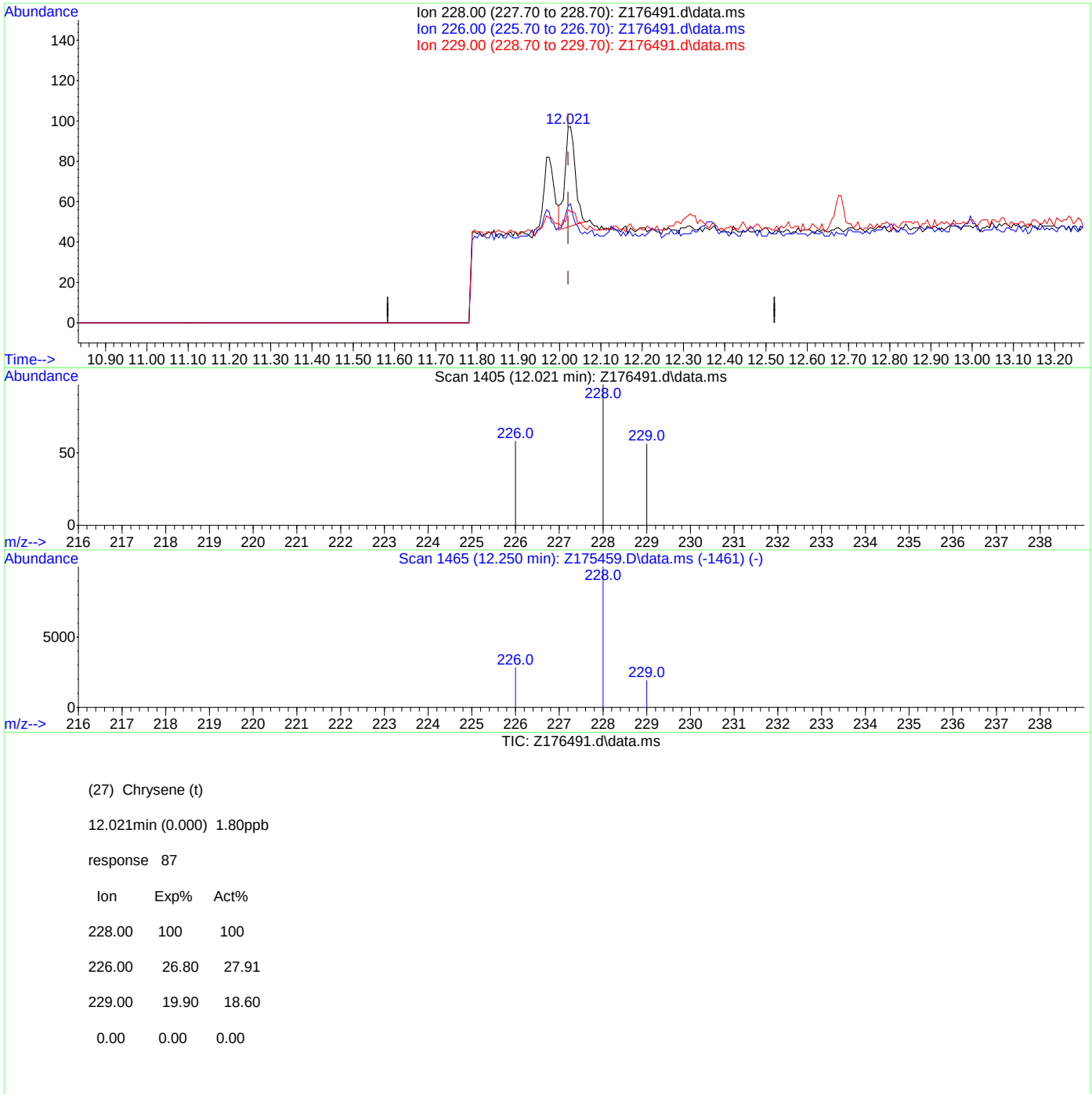
response 771

Ion	Exp%	Act%
128.00	100	100
129.00	11.70	9.28
127.00	10.60	14.93
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\alodiab\EZ8690\
Data File : Z176491.d
Acq On : 19 Oct 2025 10:24 pm
Operator : thomasl
Sample : je21034-4 Inst : GCMSZ
Misc : op68166a,ez8690,250,,,1,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 20 07:50:18 2025
Quant Method : X:\Dayton SVOA GCMS\alodiab\Methods\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 07:42:22 2025
Response via : Initial Calibration



TIC: Z176491.d\data.ms

(27) Chrysene (t)

12.021min (0.000) 1.80ppb

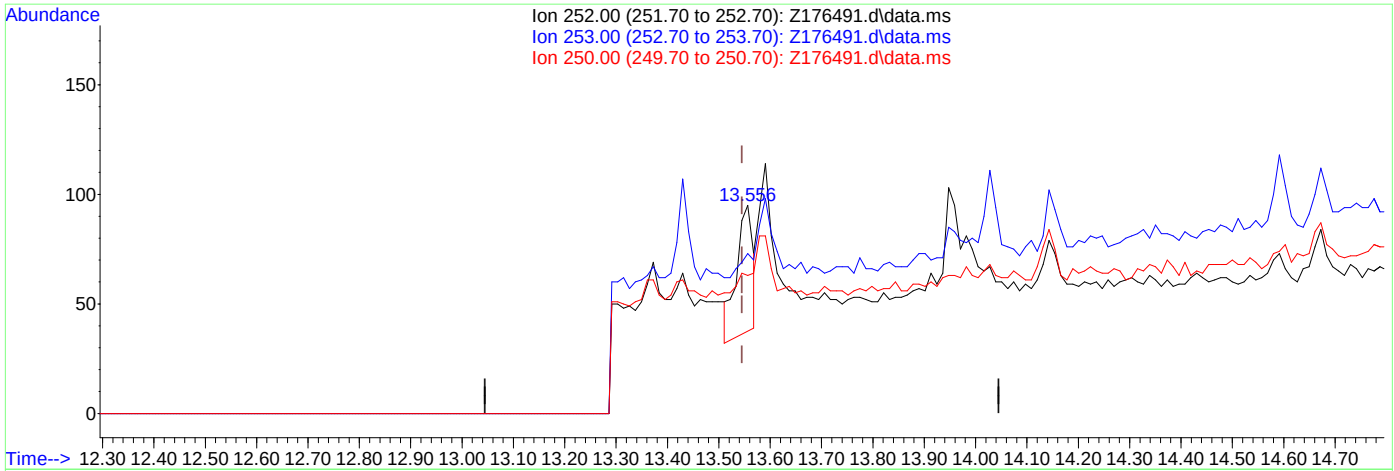
response 87

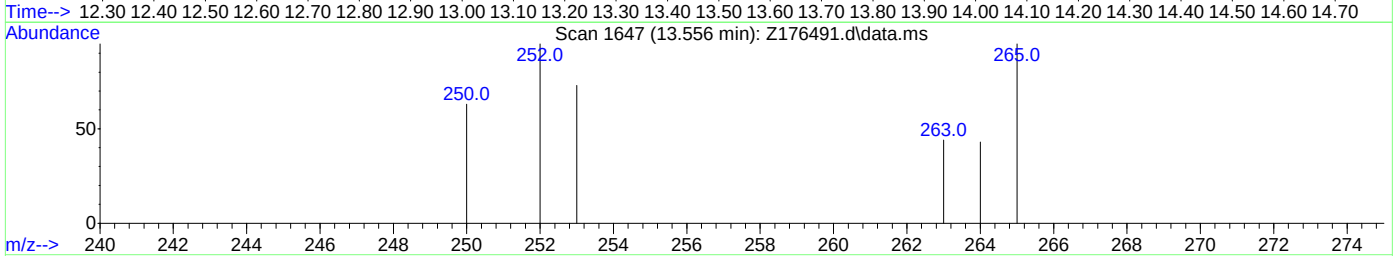
Ion	Exp%	Act%
228.00	100	100
226.00	26.80	27.91
229.00	19.90	18.60
0.00	0.00	0.00

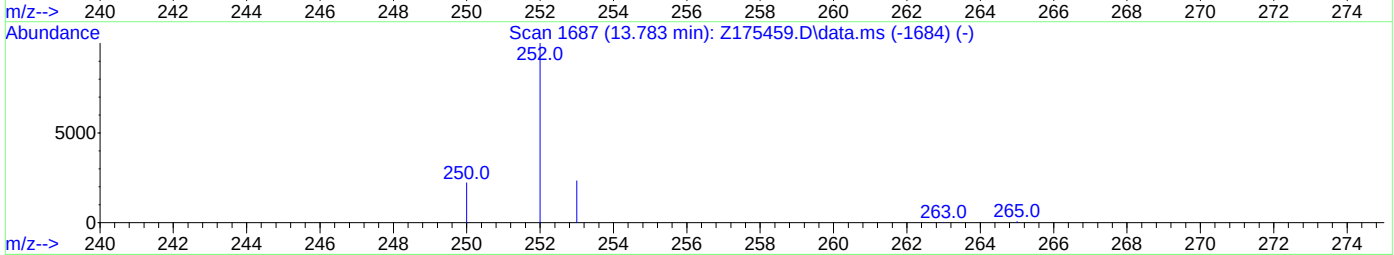
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\alodiab\EZ8690\
Data File : Z176491.d
Acq On : 19 Oct 2025 10:24 pm
Operator : thomasl
Sample : je21034-4 Inst : GCMSZ
Misc : op68166a,ez8690,250,,,1,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 20 07:50:18 2025
Quant Method : X:\Dayton SVOA GCMS\alodiab\Methods\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 07:42:22 2025
Response via : Initial Calibration







TIC: Z176491.d\data.ms

(29) Benzo[b]fluoranthene (t)

13.556min (+0.011) 3.19ppb

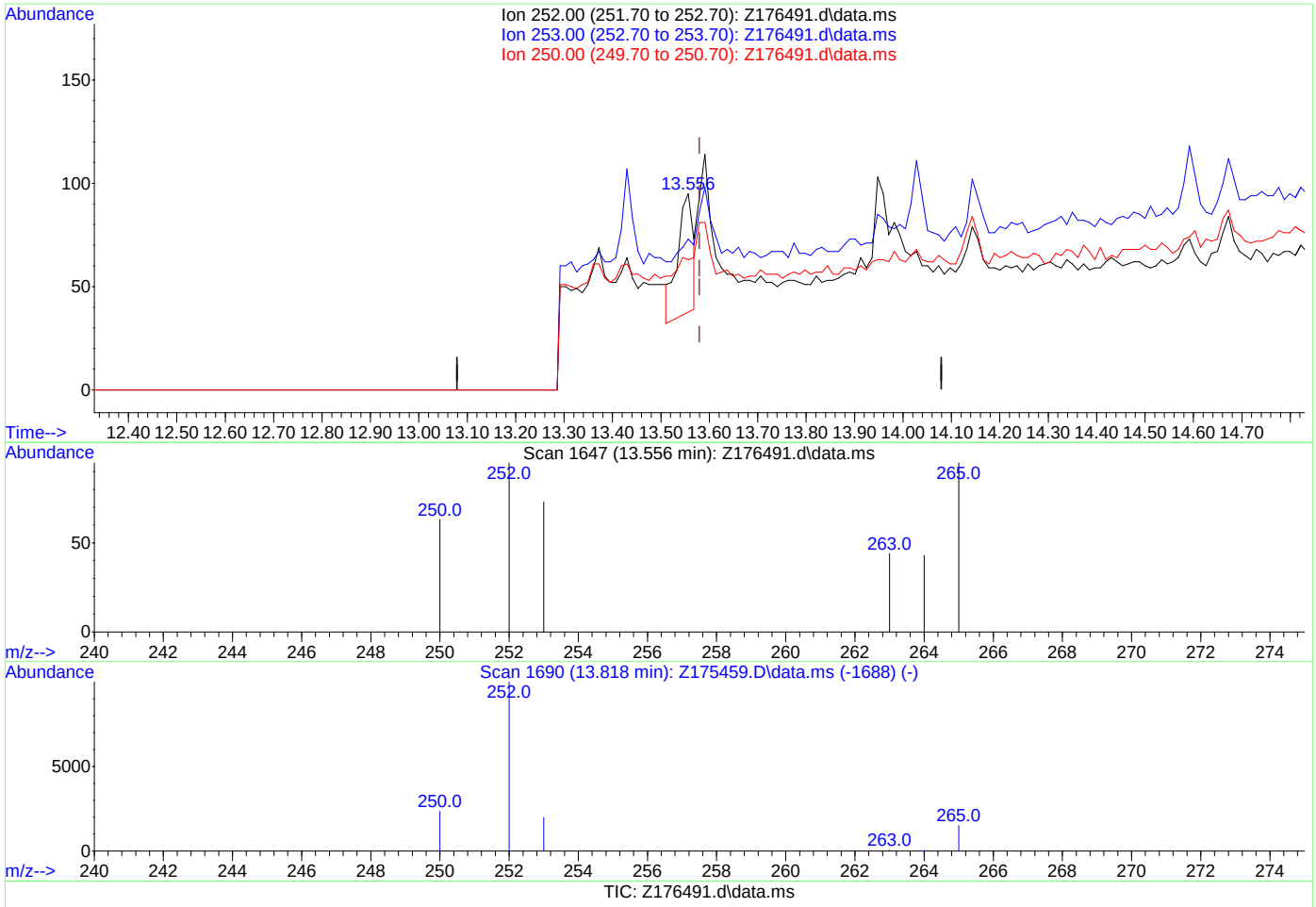
response 130

Ion	Exp%	Act%
252.00	100	100
253.00	22.00	21.21
250.00	21.90	10.61
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\alodiab\EZ8690\
Data File : Z176491.d
Acq On : 19 Oct 2025 10:24 pm
Operator : thomasl
Sample : je21034-4 Inst : GCMSZ
Misc : op68166a,ez8690,250,,,1,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 20 07:50:18 2025
Quant Method : X:\Dayton SVOA GCMS\alodiab\Methods\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 07:42:22 2025
Response via : Initial Calibration



TIC: Z176491.d\data.ms

(30) Benzo[k]fluoranthene (t)

13.556min (-0.023) 2.63ppb

response 130

Ion	Exp%	Act%
252.00	100	100
253.00	20.90	21.21
250.00	22.80	10.61
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Ying Li
10/22/25 11:11

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\anthonyt\10-19-25\e2m6525\
Data File : 2M144264.d
Acq On : 18 Oct 2025 9:19 pm
Operator : rocquans
Sample : je21034-5 Inst : GCMS2M
Misc : op68166a,E2M6525,250,,,1,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 19 14:07:56 2025
Quant Method : X:\Dayton SVOA GCMS\anthonyt\methods\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sun Oct 19 13:14:24 2025
Response via : Initial Calibration

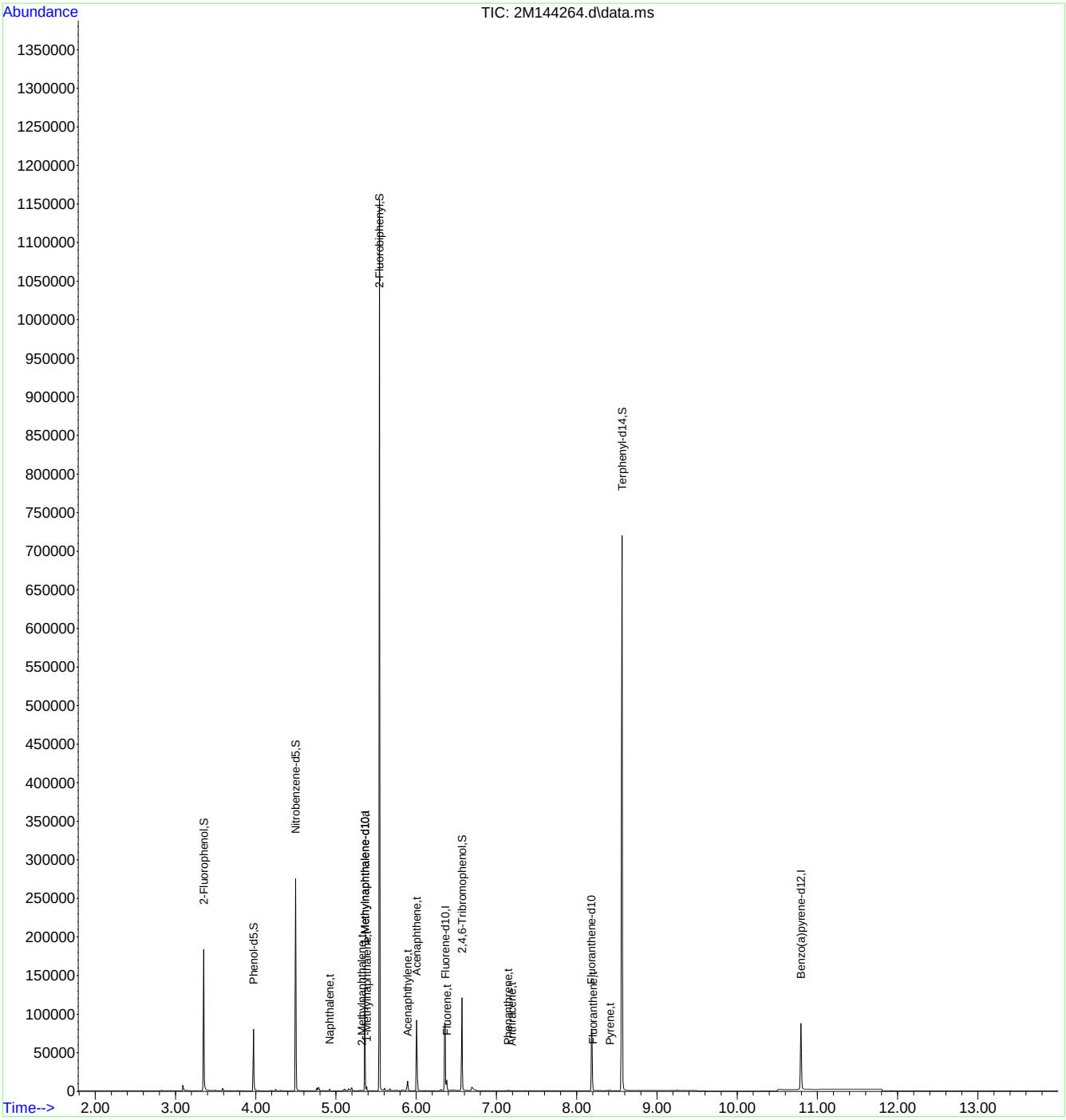
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1-Methylnaphthalene-d10	5.361	150	28299	800.00	ppb		0.00
12) Fluorene-d10	6.361	176	34998	800.00	ppb		0.00
19) Fluoranthene-d10	8.184	212	58254	800.00	ppb		0.00
29) Benzo(a)pyrene-d12	10.796	264	54666	800.00	ppb	#	0.00
36) 1-Methylnaphthalene-d10a	5.361	150	28299	800.00	ppb		0.00
System Monitoring Compounds							
3) 2-Fluorophenol	3.351	112	57422	2585.40	ppb		0.01
Spiked Amount 10000.000			Recovery =	25.85%			
4) Phenol-d5	3.973	99	48360	1999.74	ppb		0.01
Spiked Amount 10000.000			Recovery =	20.00%			
6) Nitrobenzene-d5	4.499	82	122452	5485.98	ppb		0.00
Spiked Amount 10000.000			Recovery =	54.86%			
13) 2-Fluorobiphenyl	5.542	172	357074	6358.98	ppb		0.00
Spiked Amount 10000.000			Recovery =	63.59%			
18) 2,4,6-Tribromophenol	6.570	330	34283	4547.41	ppb		0.00
Spiked Amount 10000.000			Recovery =	45.47%			
26) Terphenyl-d14	8.565	244	376971	6108.63	ppb		0.00
Spiked Amount 10000.000			Recovery =	61.09%			
Target Compounds							Qvalue
7) Naphthalene	4.920	128	1348m	16.0557	ppb		
9) 2-Methylnaphthalene	5.323	141	192m	3.9955	ppb		
10) 1-Methylnaphthalene	5.382	141	1138m	22.7265	ppb		
14) Acenaphthylene	5.894	152	8408	116.3354	ppb		94
15) Acenaphthene	6.004	153	24214	452.3357	ppb		88
16) Fluorene	6.380	166	4372	72.3271	ppb		97
22) Phenanthrene	7.144	178	585	6.8206	ppb		98
23) Anthracene	7.192	178	245	2.8660	ppb		97
24) Fluoranthene	8.204	202	879	8.2718	ppb		97
25) Pyrene	8.417	202	656	6.1601	ppb		96

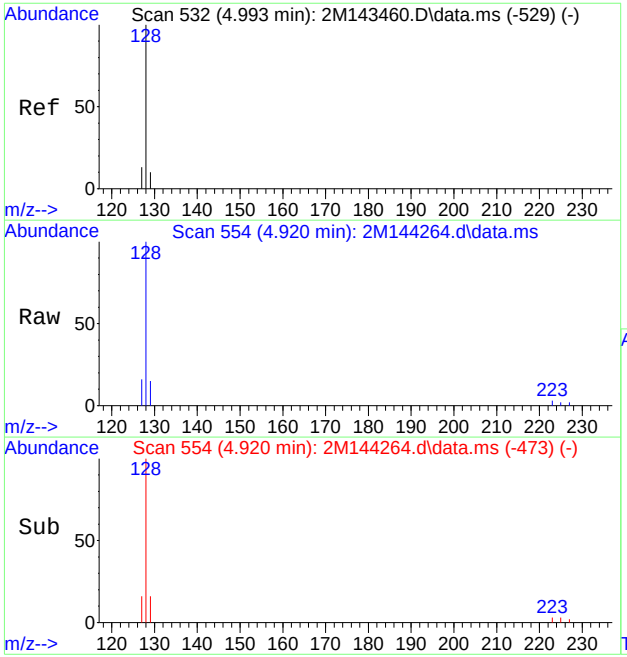
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\anthonyt\10-19-25\e2m6525\
Data File : 2M144264.d
Acq On : 18 Oct 2025 9:19 pm
Operator : rocquans
Sample : je21034-5 Inst : GCMS2M
Misc : op68166a,E2M6525,250,,,1,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 19 14:07:56 2025
Quant Method : X:\Dayton SVOA GCMS\anthonyt\methods\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sun Oct 19 13:14:24 2025
Response via : Initial Calibration

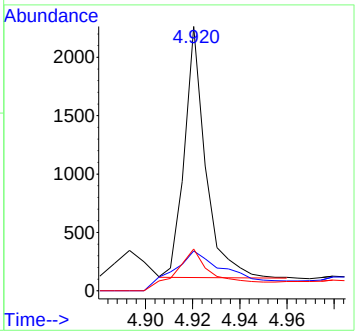


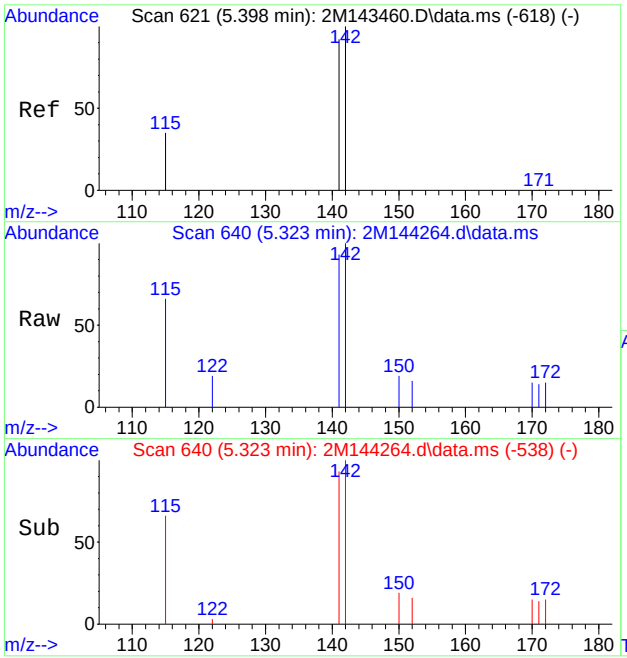


#7
Naphthalene
Concen: 16.0557 ppb m
RT: 4.920 min Scan# 554
Delta R.T. 0.000 min
Lab File: 2M144264.d
Acq: 18 Oct 2025 9:19 pm

Tgt Ion:128 Resp: 1348

Ion	Ratio	Lower	Upper
128	100		
129	15.1	0.0	41.0
127	15.8	0.0	42.7

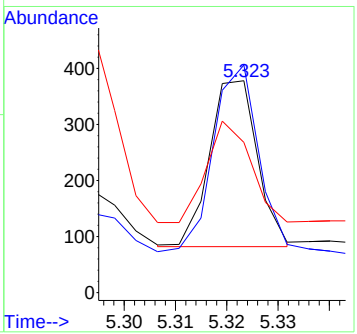


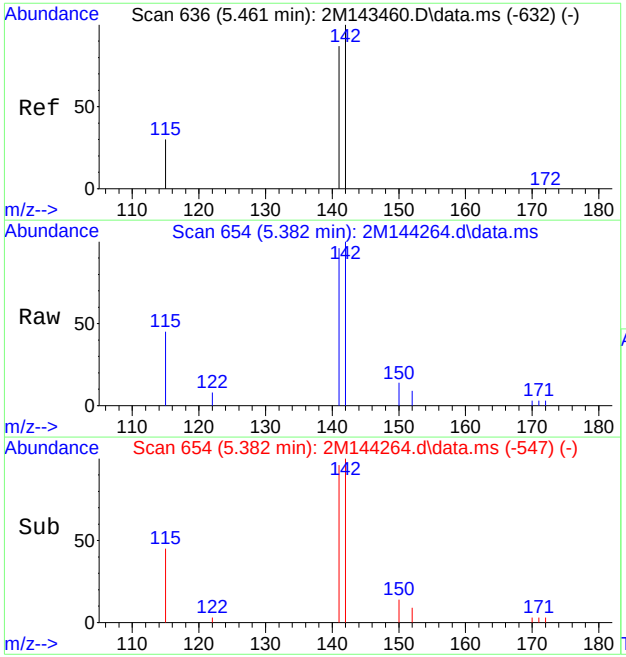


#9
2-Methylnaphthalene
Concen: 3.9955 ppb m
RT: 5.323 min Scan# 640
Delta R.T. 0.000 min
Lab File: 2M144264.d
Acq: 18 Oct 2025 9:19 pm

Tgt Ion:141 Resp: 192

Ion	Ratio	Lower	Upper
141	100		
142	107.4	80.0	140.0
115	70.9	7.2	67.2#

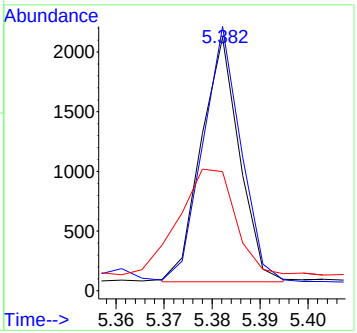


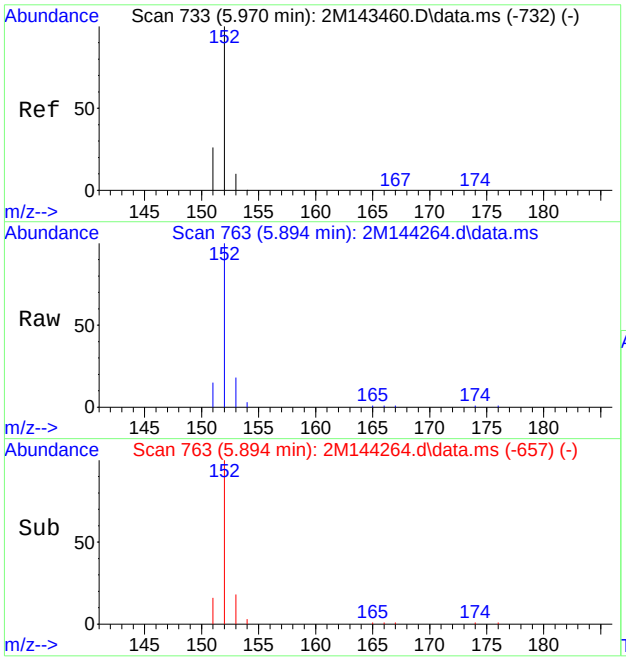


#10
1-Methylnaphthalene
Concen: 22.7265 ppb m
RT: 5.382 min Scan# 654
Delta R.T. 0.000 min
Lab File: 2M144264.d
Acq: 18 Oct 2025 9:19 pm

Tgt Ion:141 Resp: 1138

Ion	Ratio	Lower	Upper
141	100		
142	104.3	71.6	131.6
115	47.1	11.1	71.1

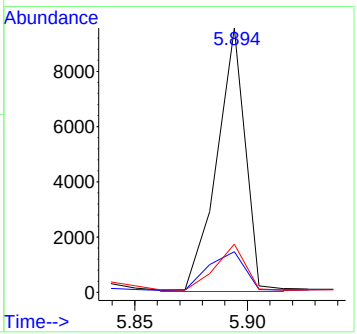


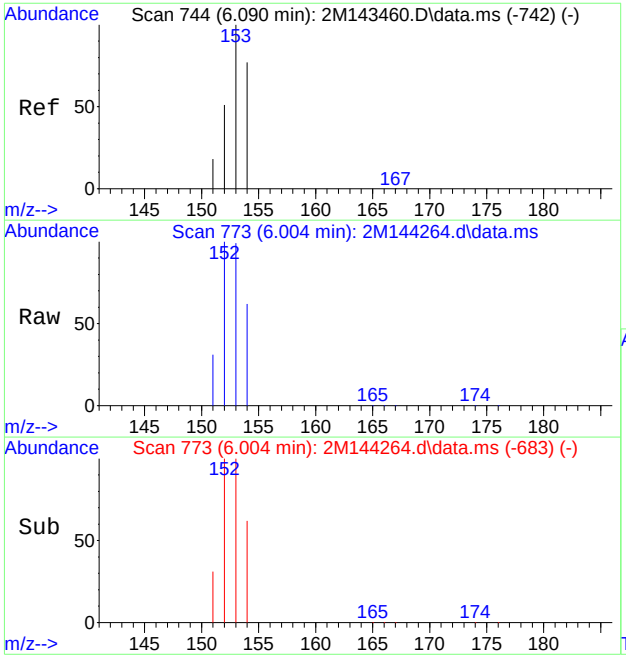


#14
Acenaphthylene
Concen: 116.3354 ppb
RT: 5.894 min Scan# 763
Delta R.T. 0.000 min
Lab File: 2M144264.d
Acq: 18 Oct 2025 9:19 pm

Tgt Ion:152 Resp: 8408

Ion	Ratio	Lower	Upper
152	100		
151	14.8	0.0	46.7
153	17.5	0.0	44.7

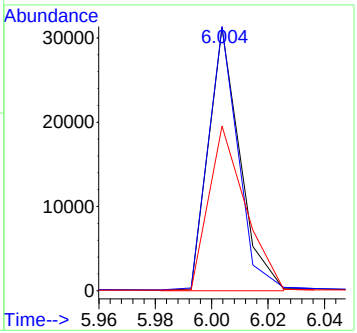


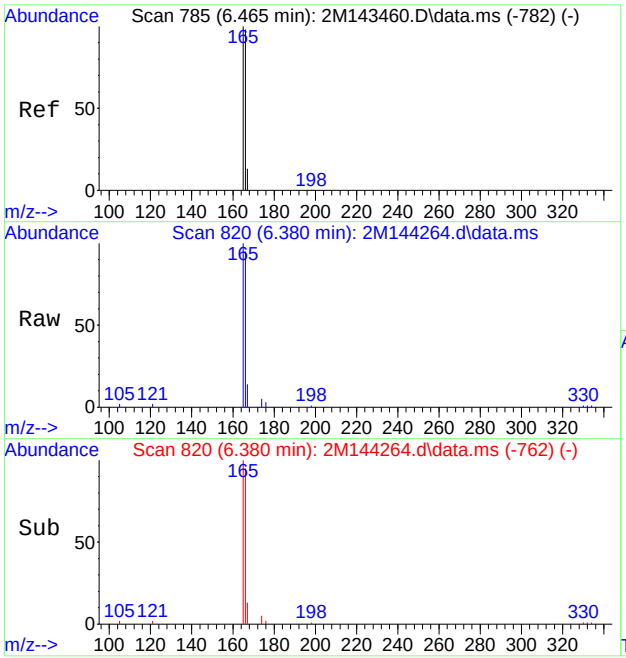


#15
Acenaphthene
Concen: 452.3357 ppb
RT: 6.004 min Scan# 773
Delta R.T. 0.000 min
Lab File: 2M144264.d
Acq: 18 Oct 2025 9:19 pm

Tgt Ion:153 Resp: 24214

Ion	Ratio	Lower	Upper
153	100		
152	100.2	79.1	139.1
154	62.5	19.3	79.3

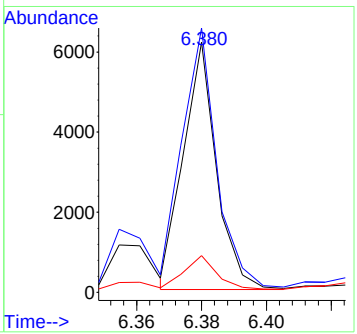


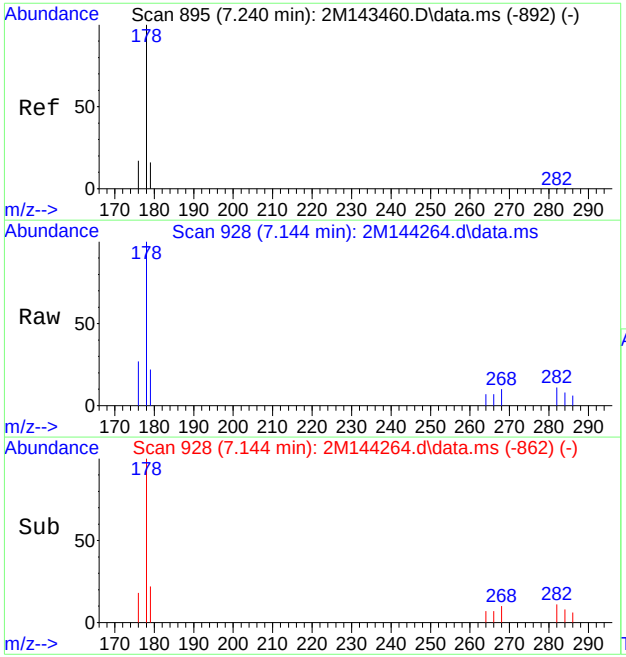


#16
Fluorene
Concen: 72.3271 ppb
RT: 6.380 min Scan# 820
Delta R.T. 0.000 min
Lab File: 2M144264.d
Acq: 18 Oct 2025 9:19 pm

Tgt Ion:166 Resp: 4372

Ion	Ratio	Lower	Upper
166	100		
165	104.9	78.3	138.3
167	13.6	0.0	42.9

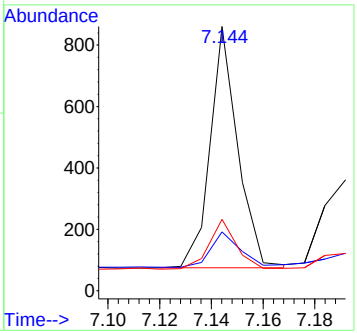


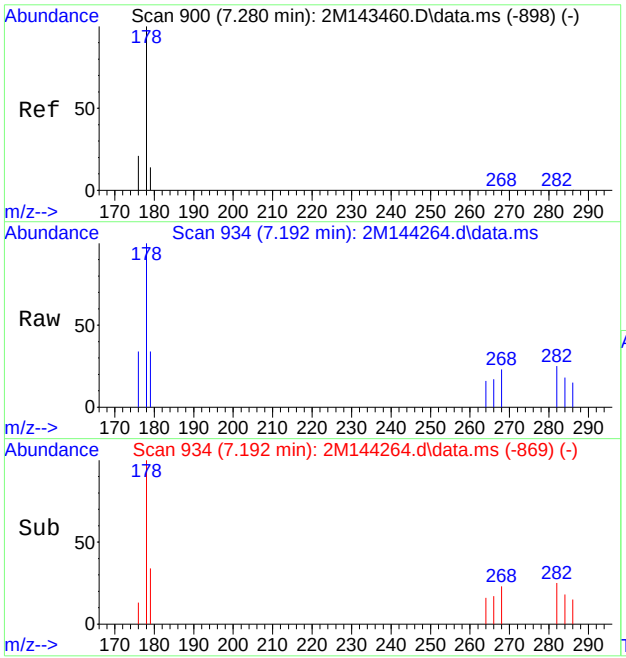


#22
Phenanthrene
Concen: 6.8206 ppb
RT: 7.144 min Scan# 928
Delta R.T. 0.000 min
Lab File: 2M144264.d
Acq: 18 Oct 2025 9:19 pm

Tgt Ion:178 Resp: 585

Ion	Ratio	Lower	Upper
178	100		
179	14.2	0.0	43.8
176	20.7	0.0	52.0

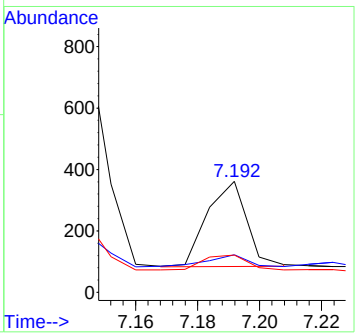


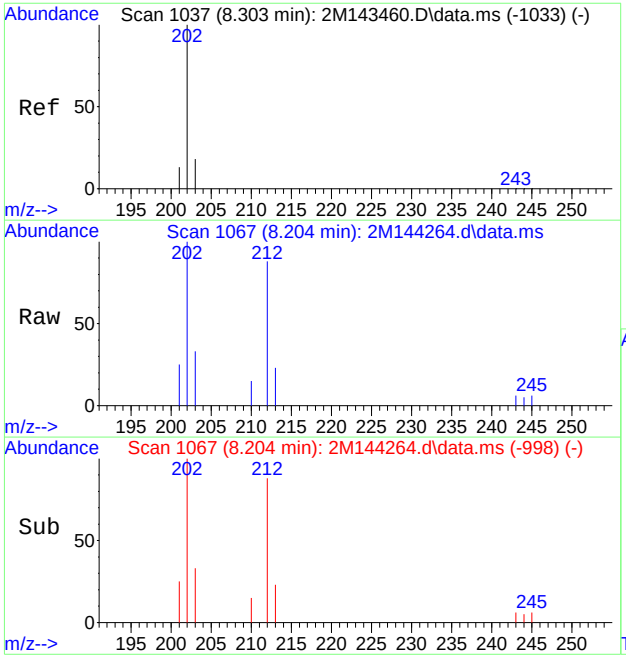


#23
Anthracene
Concen: 2.8660 ppb
RT: 7.192 min Scan# 934
Delta R.T. 0.000 min
Lab File: 2M144264.d
Acq: 18 Oct 2025 9:19 pm

Tgt Ion:178 Resp: 245

Ion	Ratio	Lower	Upper
178	100		
179	13.7	0.0	45.9
176	17.6	0.0	48.0

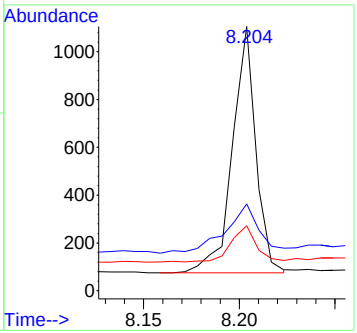


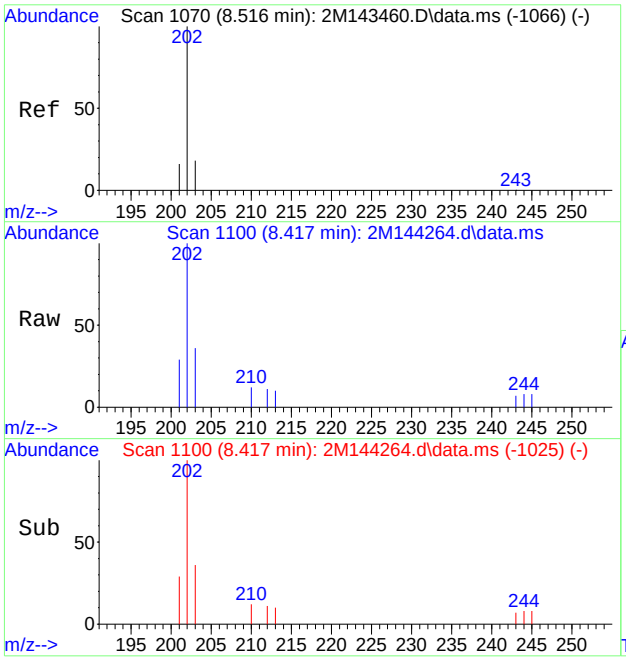


#24
Fluoranthene
Concen: 8.2718 ppb
RT: 8.204 min Scan# 1067
Delta R.T. 0.000 min
Lab File: 2M144264.d
Acq: 18 Oct 2025 9:19 pm

Tgt Ion:202 Resp: 879

Ion	Ratio	Lower	Upper
202	100		
203	19.1	0.0	47.1
201	14.4	0.0	44.5

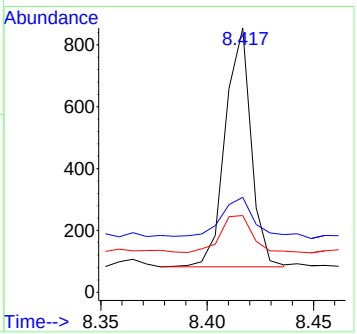




#25
Pyrene
Concen: 6.1601 ppb
RT: 8.417 min Scan# 1100
Delta R.T. 0.000 min
Lab File: 2M144264.d
Acq: 18 Oct 2025 9:19 pm

Tgt Ion:202 Resp: 656

Ion	Ratio	Lower	Upper
202	100		
203	15.8	0.0	47.7
201	14.7	0.0	46.7



Manual Integration Approval Summary

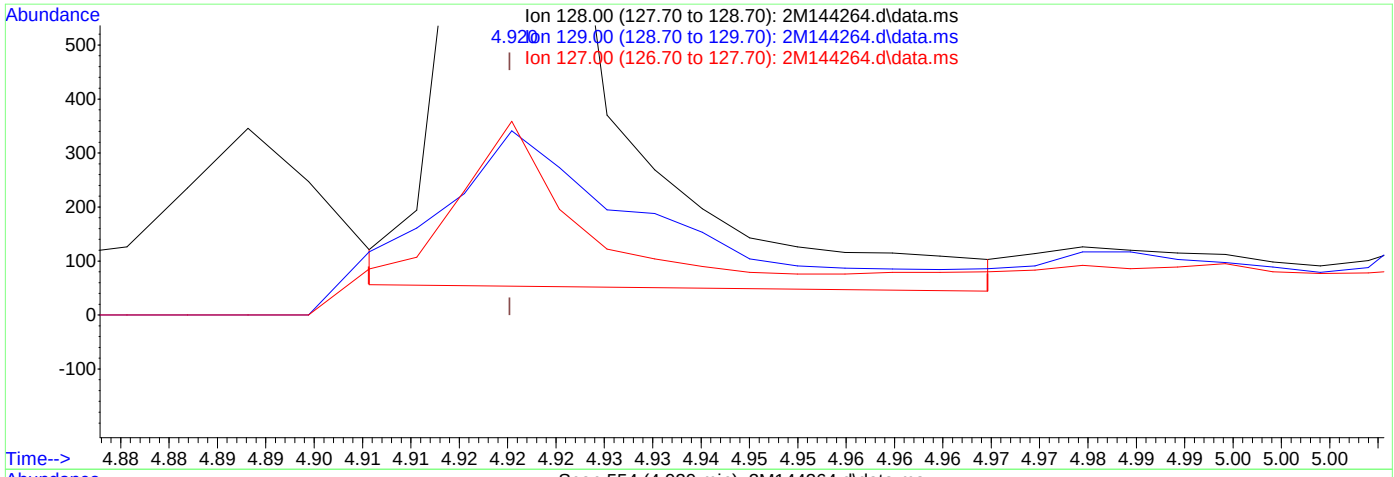
Sample Number: JE21034-5
Lab FileID: 2M144264.D
Injection Time: 10/18/25 21:19
Method: SW846 8270E BY SIM
Analyst approved: 10/19/25 02:32 Anthony Torre
Supervisor approved: 10/22/25 11:11 Ying Li

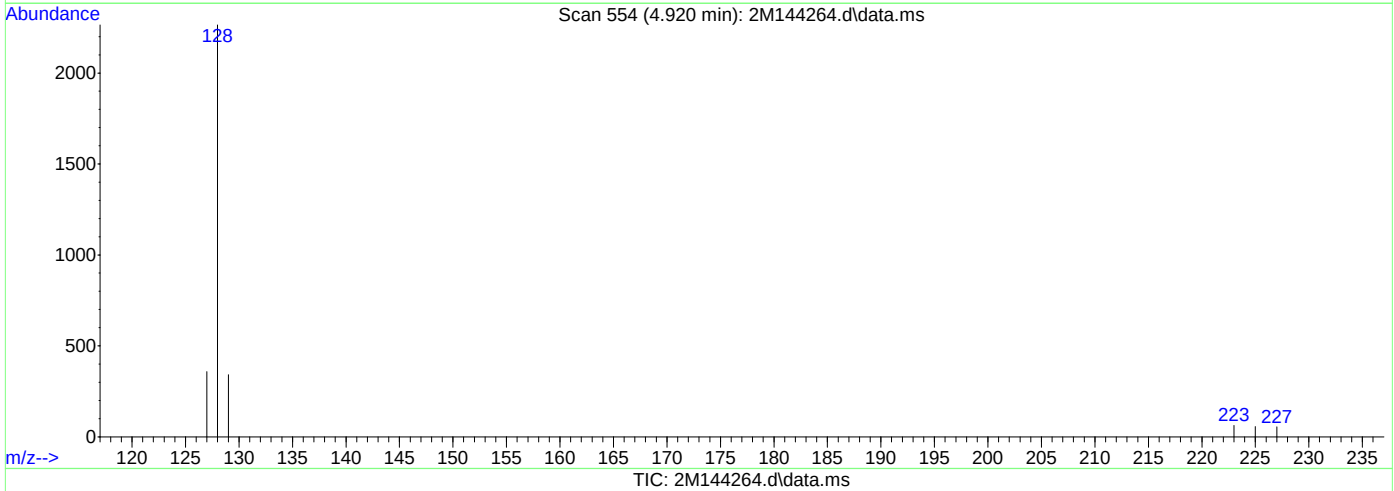
Parameter	CAS	Sig#	R.T. (min.)	Reason
Naphthalene	91-20-3		4.92	Poor instrument integration
2-Methylnaphthalene	91-57-6		5.32	Poor instrument integration
1-Methylnaphthalene	90-12-0		5.38	Poor instrument integration

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\anthonyt\10-19-25\e2m6525\
Data File : 2M144264.d
Acq On : 18 Oct 2025 9:19 pm
Operator : rocquans
Sample : je21034-5 Inst : GCMS2M
Misc : op68166a,E2M6525,250,,,1,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 19 13:31:50 2025
Quant Method : X:\Dayton SVOA GCMS\anthonyt\methods\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sun Oct 19 13:14:24 2025
Response via : Initial Calibration





TIC: 2M144264.d\data.ms

(7) Naphthalene (t)

4.920min (+0.000) 18.84ppb

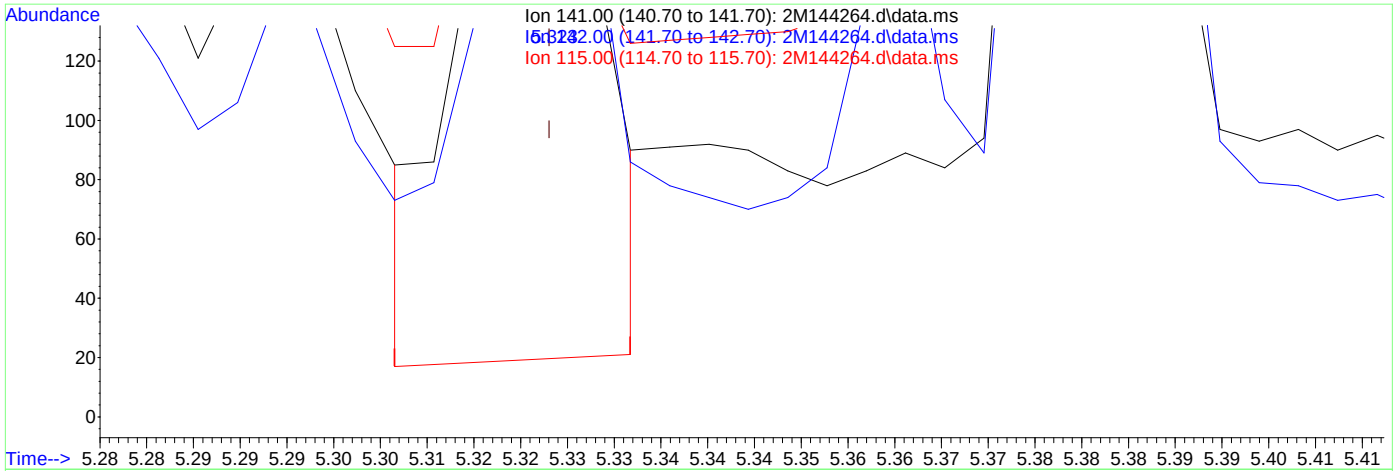
response 1582

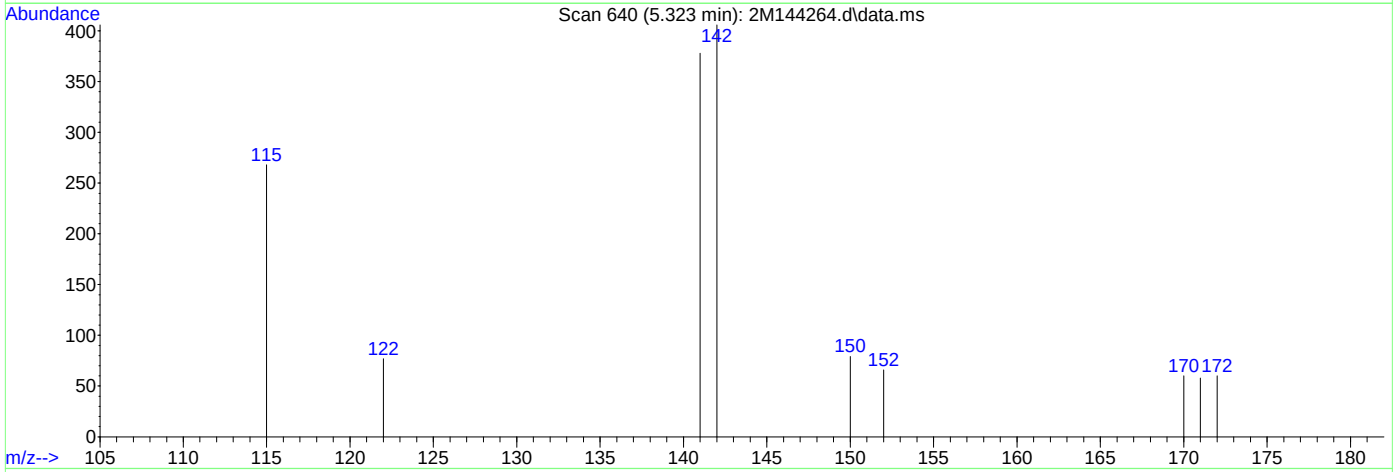
Ion	Exp%	Act%
128.00	100	100
129.00	11.00	11.12
127.00	12.70	12.84
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\anthonyt\10-19-25\e2m6525\
Data File : 2M144264.d
Acq On : 18 Oct 2025 9:19 pm
Operator : rocquans
Sample : je21034-5 Inst : GCMS2M
Misc : op68166a,E2M6525,250,,,1,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 19 13:31:50 2025
Quant Method : X:\Dayton SVOA GCMS\anthonyt\methods\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sun Oct 19 13:14:24 2025
Response via : Initial Calibration





TIC: 2M144264.d\data.ms

(9) 2-Methylnaphthalene (t)

5.323min (+0.000) 5.99ppb

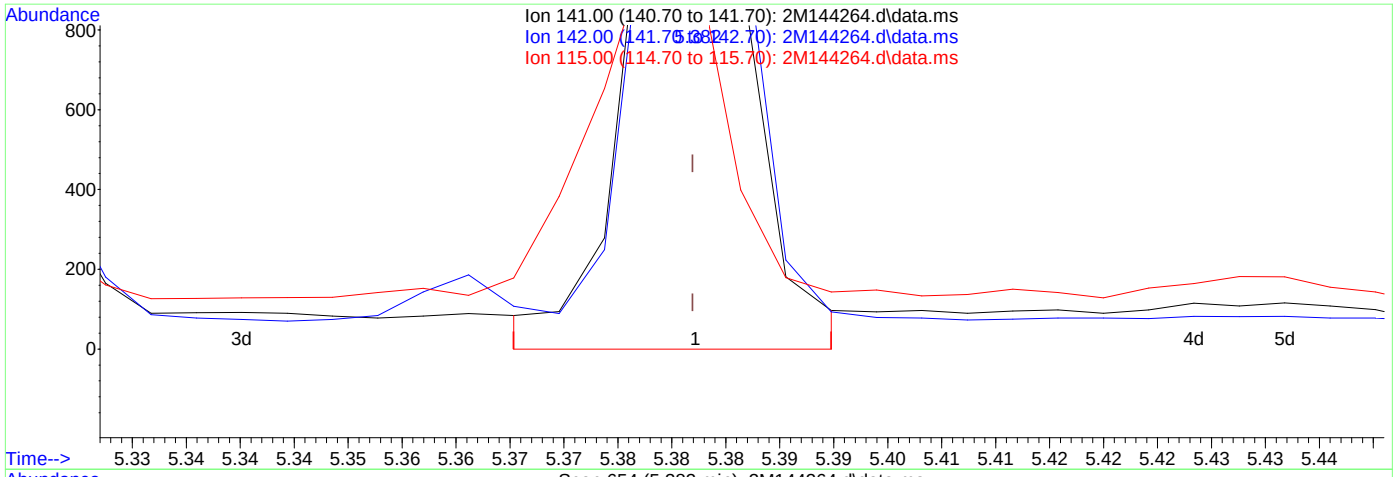
response 288

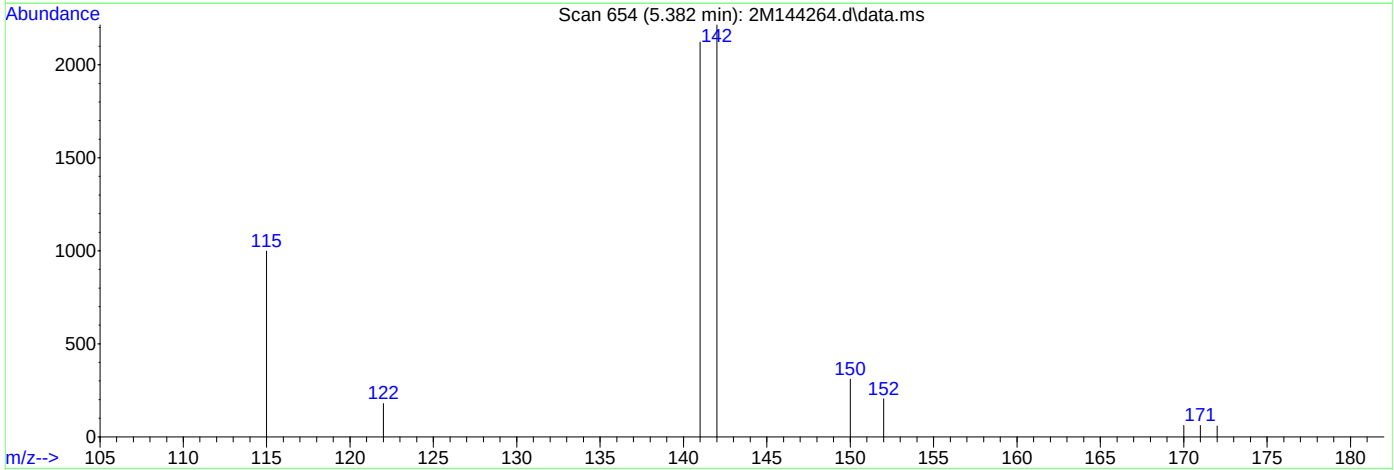
Ion	Exp%	Act%
141.00	100	100
142.00	110.00	112.39
115.00	37.20	49.05
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\anthonyt\10-19-25\e2m6525\
Data File : 2M144264.d
Acq On : 18 Oct 2025 9:19 pm
Operator : rocquans
Sample : je21034-5 Inst : GCMS2M
Misc : op68166a,E2M6525,250,,,1,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 19 13:31:50 2025
Quant Method : X:\Dayton SVOA GCMS\anthonyt\methods\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sun Oct 19 13:14:24 2025
Response via : Initial Calibration





TIC: 2M144264.d\data.ms

(10) 1-Methylnaphthalene (t)

5.382min (+0.000) 25.46ppb

response 1275

Ion	Exp%	Act%
141.00	100	100
142.00	101.60	104.06
115.00	41.10	41.25
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Ying Li
10/21/25 11:23

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\lorenat\Octubre\2025-10-20\ecs470\
Data File : cs9122.D
Acq On : 18 Oct 2025 07:40 pm
Operator : rocquans
Sample : je21034-6 Inst : GCMS_CS
Misc : op68253a,ecs470,250,,,1,1
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Oct 20 19:33:26 2025
Quant Method : X:\Dayton SVOA GCMS\lorenat\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 18:05:43 2025
Response via : Initial Calibration

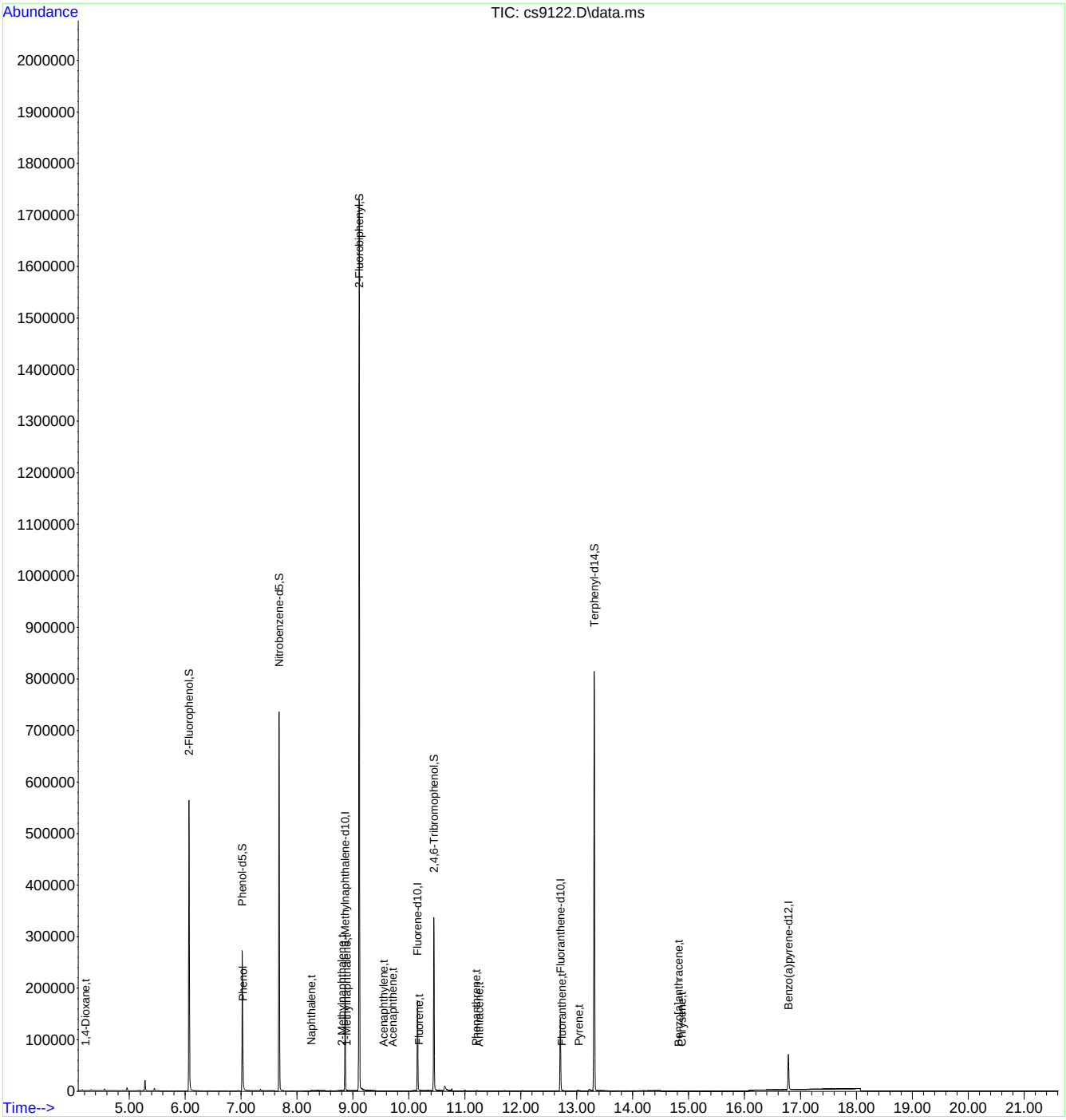
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1-Methylnaphthalene-d10	8.859	150	57757	800.00	ppb		0.00
11) Fluorene-d10	10.153	176	73695	800.00	ppb		0.00
18) Fluoranthene-d10	12.707	212	105847	800.00	ppb		0.00
28) Benzo(a)pyrene-d12	16.785	264	55770	800.00	ppb		0.00
System Monitoring Compounds							
3) 2-Fluorophenol	6.070	112	258808	4676.60	ppb		0.00
Spiked Amount 10000.000			Recovery =	46.77%			
4) Phenol-d5	7.021	99	215587	3299.17	ppb		0.01
Spiked Amount 10000.000			Recovery =	32.99%			
6) Nitrobenzene-d5	7.680	82	367609	6817.53	ppb		0.00
Spiked Amount 10000.000			Recovery =	68.18%			
12) 2-Fluorobiphenyl	9.112	172	808041	6764.49	ppb		0.00
Spiked Amount 10000.000			Recovery =	67.64%			
17) 2,4,6-Tribromophenol	10.446	330	112703	9196.20	ppb		0.00
Spiked Amount 10000.000			Recovery =	91.96%			
25) Terphenyl-d14	13.314	244	574799	7570.26	ppb		0.00
Spiked Amount 10000.000			Recovery =	75.70%			
Target Compounds							Qvalue
2) 1,4-Dioxane	4.216	88	114	4.4617	ppb	#	24
5) Phenol	7.031	94	7926	104.8908	ppb	#	61
7) Naphthalene	8.256	128	1312	6.3285	ppb		97
9) 2-Methylnaphthalene	8.803	141	365m	3.1702	ppb		
10) 1-Methylnaphthalene	8.887	141	202m	1.8440	ppb		
13) Acenaphthylene	9.551	152	69	0.3831	ppb		97
14) Acenaphthene	9.710	153	81m	0.6463	ppb		
15) Fluorene	10.182	166	136m	0.9505	ppb		
21) Phenanthrene	11.205	178	473m	2.5195	ppb		
22) Anthracene	11.258	178	174m	1.0052	ppb		
23) Fluoranthene	12.732	202	402m	2.0399	ppb		
24) Pyrene	13.037	202	396m	1.9779	ppb		
26) Benzo[a]anthracene	14.818	228	124	0.8577	ppb		98
27) Chrysene	14.877	228	207m	1.4425	ppb		

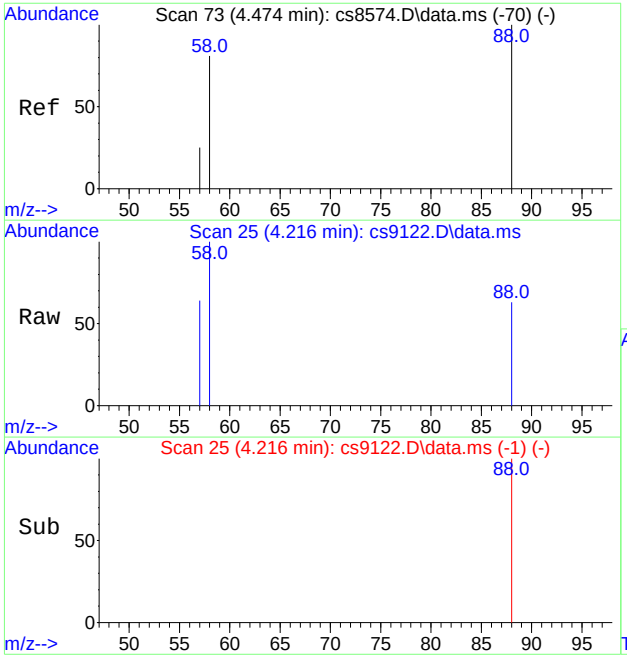
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\lorenat\Octubre\2025-10-20\ecs470\
Data File : cs9122.D
Acq On : 18 Oct 2025 07:40 pm
Operator : rocquans
Sample : je21034-6 Inst : GCMS_CS
Misc : op68253a,ecs470,250,,,1,1
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Oct 20 19:33:26 2025
Quant Method : X:\Dayton SVOA GCMS\lorenat\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 18:05:43 2025
Response via : Initial Calibration

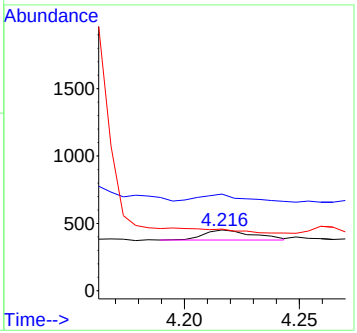


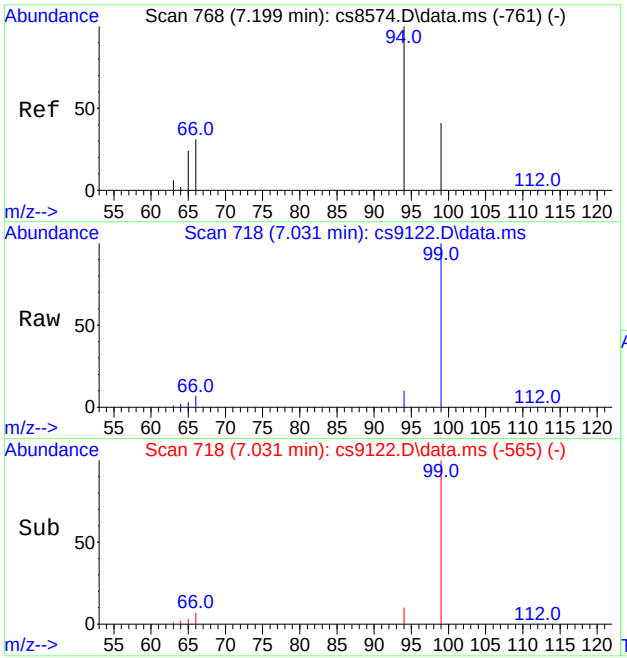


#2
1,4-Dioxane
Concen: 4.4617 ppb
RT: 4.216 min Scan# 25
Delta R.T. 0.048 min
Lab File: cs9122.D
Acq: 18 Oct 2025 07:40 pm

Tgt Ion: 88 Resp: 114

Ion	Ratio	Lower	Upper
88	100		
58	53.9	68.5	108.5#
57	19.1	121.1	161.1#

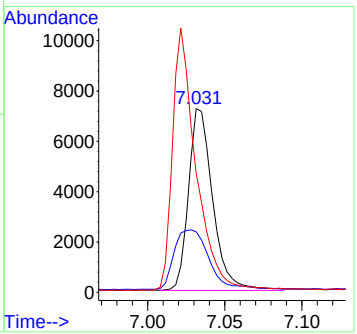


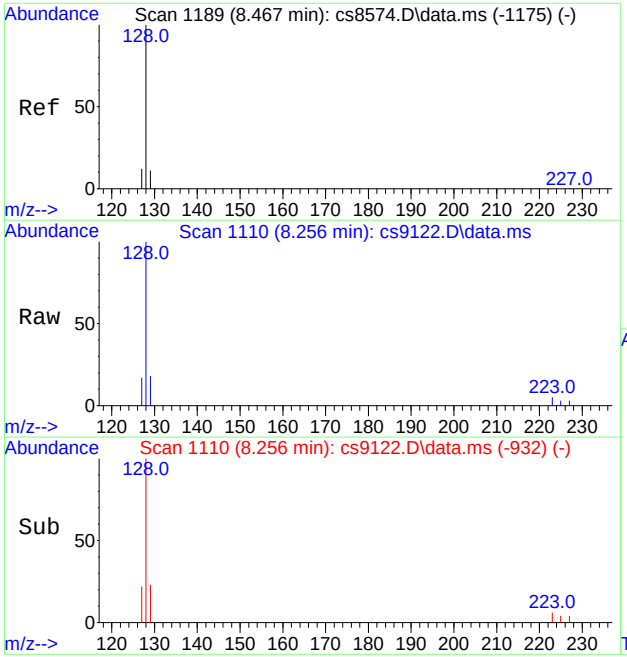


#5
Phenol
Concen: 104.8908 ppb
RT: 7.031 min Scan# 718
Delta R.T. 0.010 min
Lab File: cs9122.D
Acq: 18 Oct 2025 07:40 pm

Tgt Ion: 94 Resp: 7926

Ion	Ratio	Lower	Upper
94	100		
65	31.3	19.5	29.3#
66	63.1	24.9	37.3#

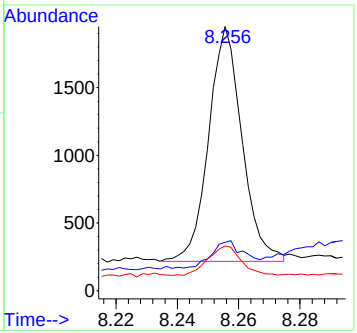


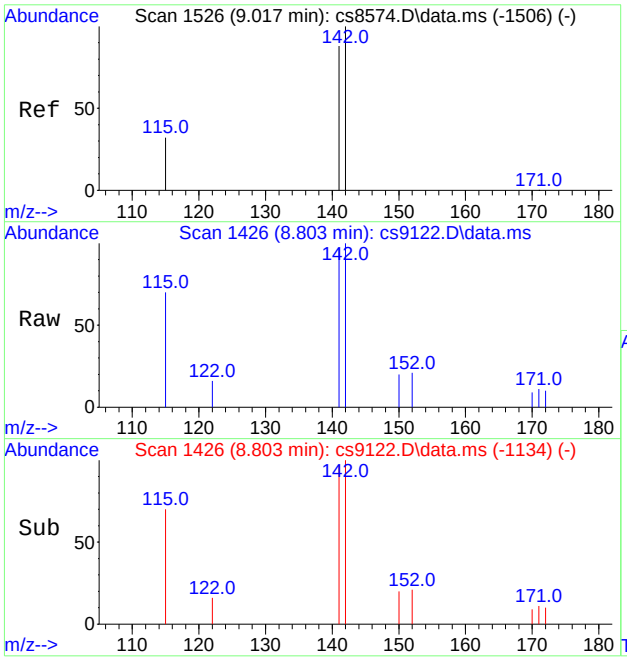


#7
Naphthalene
Concen: 6.3285 ppb
RT: 8.256 min Scan# 1110
Delta R.T. 0.002 min
Lab File: cs9122.D
Acq: 18 Oct 2025 07:40 pm

Tgt Ion:128 Resp: 1312

Ion	Ratio	Lower	Upper
128	100		
129	8.4	0.0	40.8
127	12.3	0.0	42.5

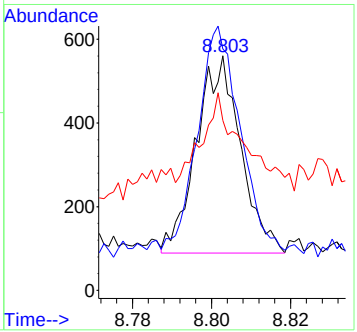


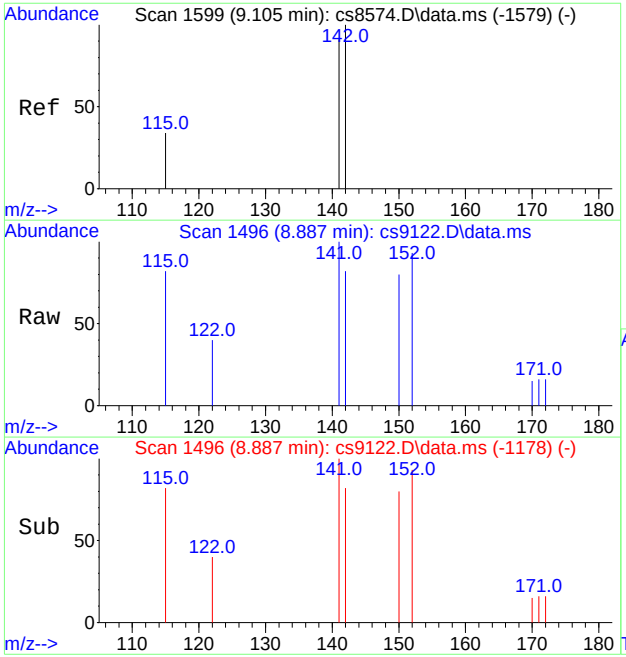


#9
2-Methylnaphthalene
Concen: 3.1702 ppb m
RT: 8.803 min Scan# 1426
Delta R.T. 0.001 min
Lab File: cs9122.D
Acq: 18 Oct 2025 07:40 pm

Tgt Ion:141 Resp: 365

Ion	Ratio	Lower	Upper
141	100		
142	102.9	84.3	144.3
115	72.4	5.8	65.8#

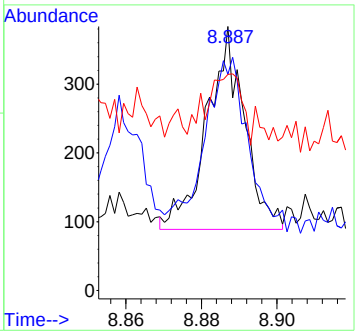


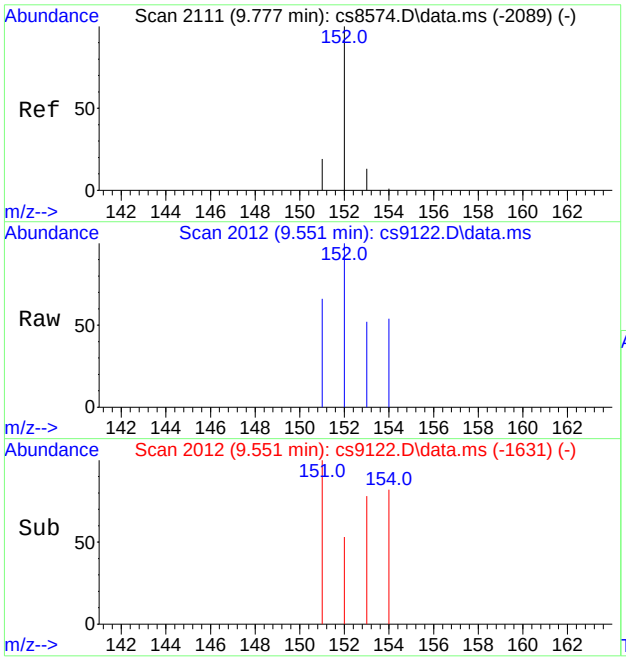


#10
1-Methylnaphthalene
Concen: 1.8440 ppb m
RT: 8.887 min Scan# 1496
Delta R.T. 0.001 min
Lab File: cs9122.D
Acq: 18 Oct 2025 07:40 pm

Tgt Ion:141 Resp: 202

Ion	Ratio	Lower	Upper
141	100		
142	81.8	82.6	142.6#
115	81.8	7.6	67.6#

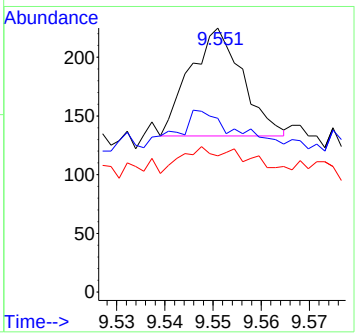


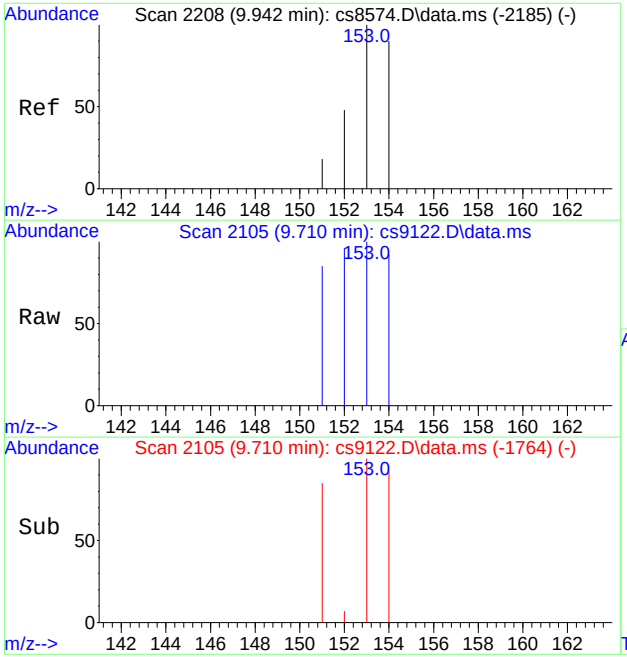


#13
Acenaphthylene
Concen: 0.3831 ppb
RT: 9.551 min Scan# 2012
Delta R.T. 0.002 min
Lab File: cs9122.D
Acq: 18 Oct 2025 07:40 pm

Tgt Ion:152 Resp: 69

Ion	Ratio	Lower	Upper
152	100		
151	20.7	0.0	48.9
153	13.4	0.0	42.9

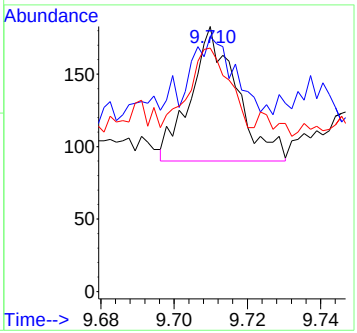


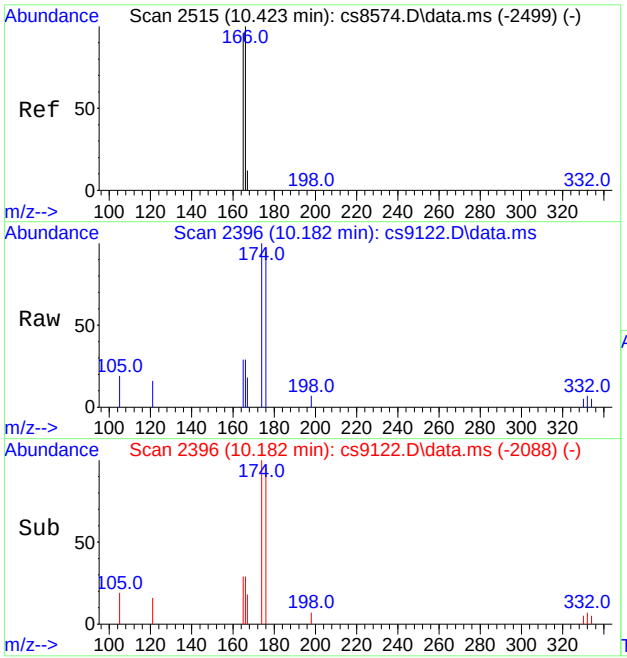


#14
Acenaphthene
Concen: 0.6463 ppb m
RT: 9.710 min Scan# 2105
Delta R.T. 0.000 min
Lab File: cs9122.D
Acq: 18 Oct 2025 07:40 pm

Tgt Ion:153 Resp: 81

Ion	Ratio	Lower	Upper
153	100		
152	96.2	17.2	77.2#
154	91.8	60.8	120.8

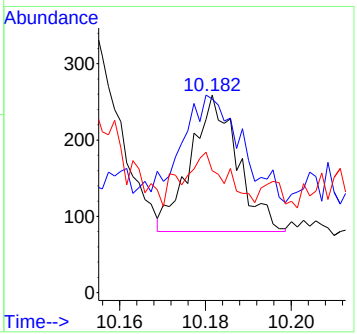


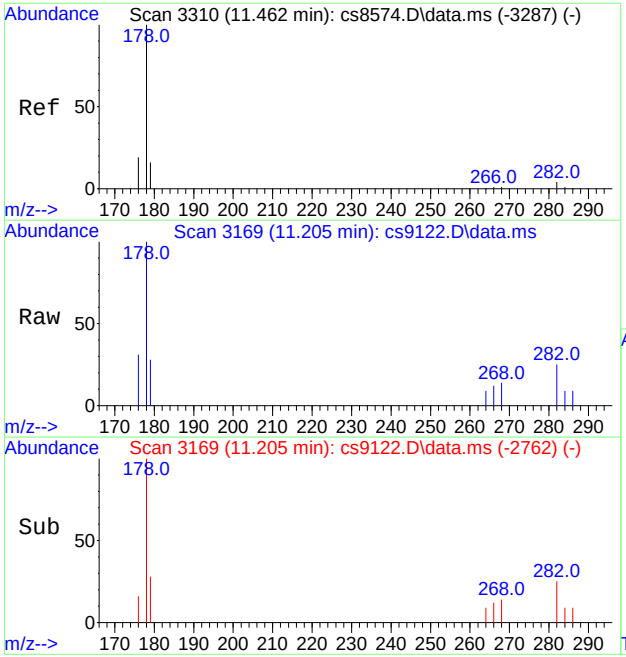


#15
Fluorene
Concen: 0.9505 ppb m
RT: 10.182 min Scan# 2396
Delta R.T. 0.000 min
Lab File: cs9122.D
Acq: 18 Oct 2025 07:40 pm

Tgt Ion:166 Resp: 136

Ion	Ratio	Lower	Upper
166	100		
165	98.1	64.1	124.1
167	61.8	0.0	43.0#

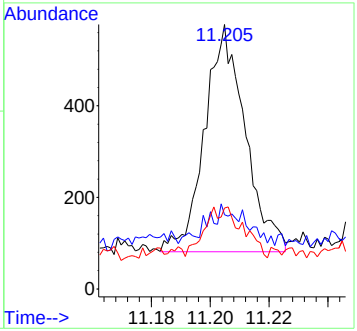


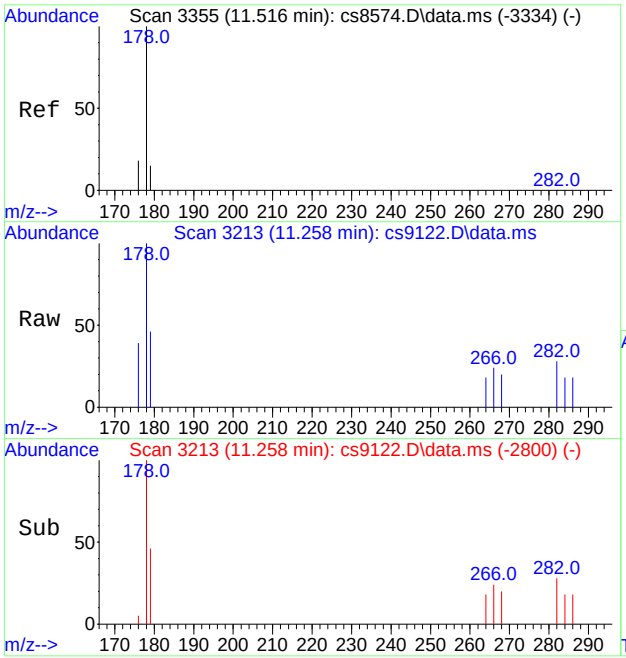


#21
Phenanthrene
Concen: 2.5195 ppb m
RT: 11.205 min Scan# 3169
Delta R.T. 0.002 min
Lab File: cs9122.D
Acq: 18 Oct 2025 07:40 pm

Tgt Ion:178 Resp: 473

Ion	Ratio	Lower	Upper
178	100		
179	28.0	0.0	44.9
176	30.6	0.0	49.3

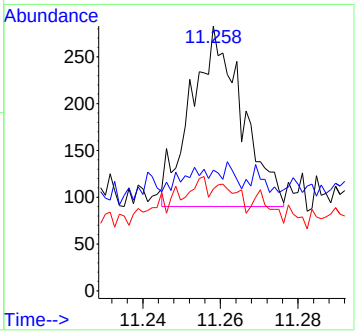


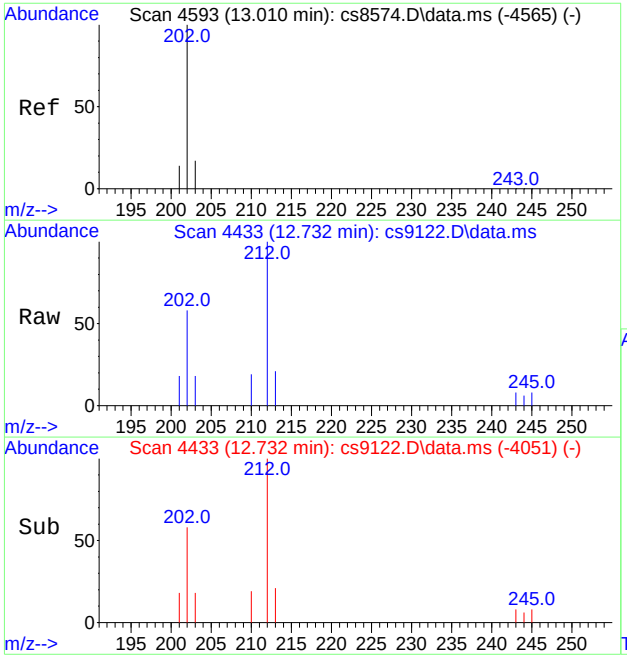


#22
Anthracene
Concen: 1.0052 ppb m
RT: 11.258 min Scan# 3213
Delta R.T. 0.001 min
Lab File: cs9122.D
Acq: 18 Oct 2025 07:40 pm

Tgt Ion:178 Resp: 174

Ion	Ratio	Lower	Upper
178	100		
179	45.6	0.0	44.9#
176	38.5	0.0	48.0

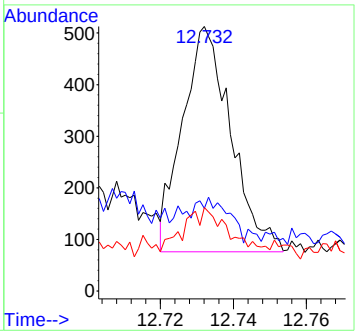


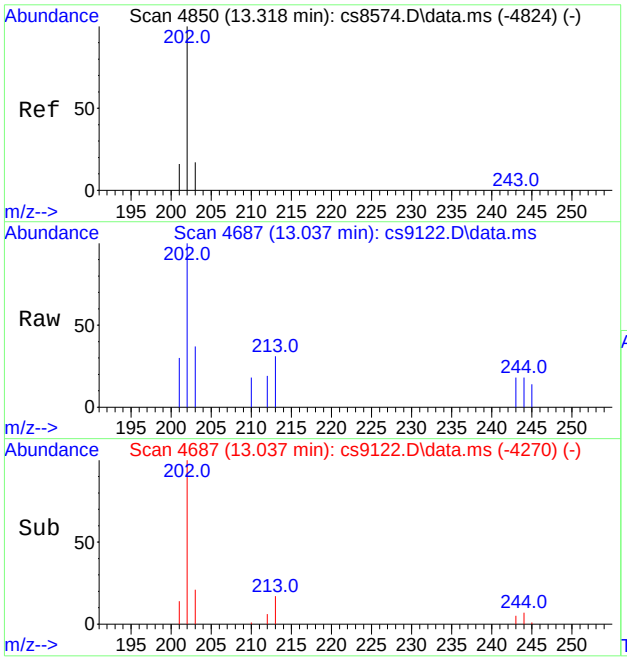


#23
Fluoranthene
Concen: 2.0399 ppb m
RT: 12.732 min Scan# 4433
Delta R.T. 0.000 min
Lab File: cs9122.D
Acq: 18 Oct 2025 07:40 pm

Tgt Ion:202 Resp: 402

Ion	Ratio	Lower	Upper
202	100		
203	31.2	0.0	46.9
201	31.6	0.0	44.3

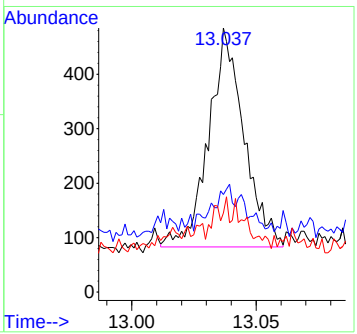


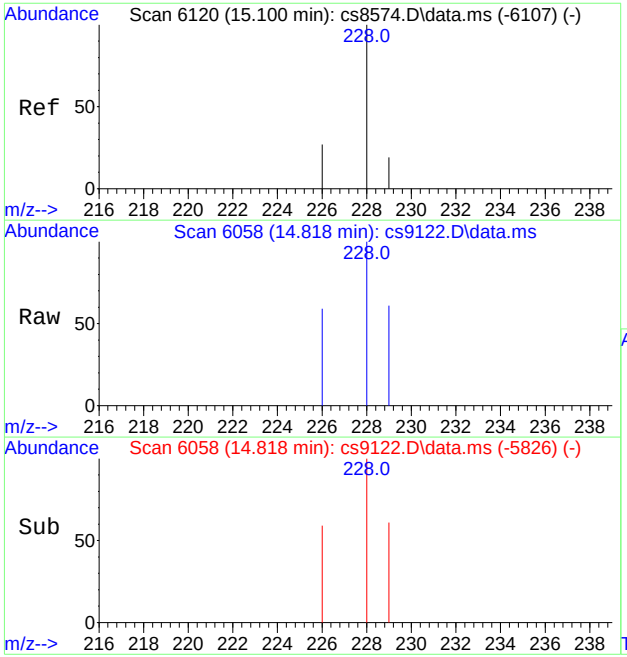


#24
Pyrene
Concen: 1.9779 ppb m
RT: 13.037 min Scan# 4687
Delta R.T. 0.000 min
Lab File: cs9122.D
Acq: 18 Oct 2025 07:40 pm

Tgt Ion:202 Resp: 396

Ion	Ratio	Lower	Upper
202	100		
203	36.9	0.0	47.4
201	29.9	0.0	46.9

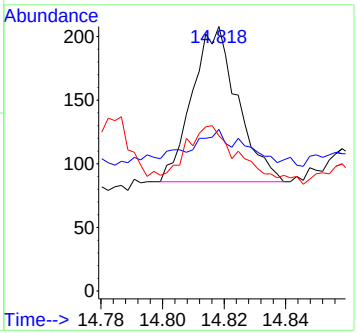


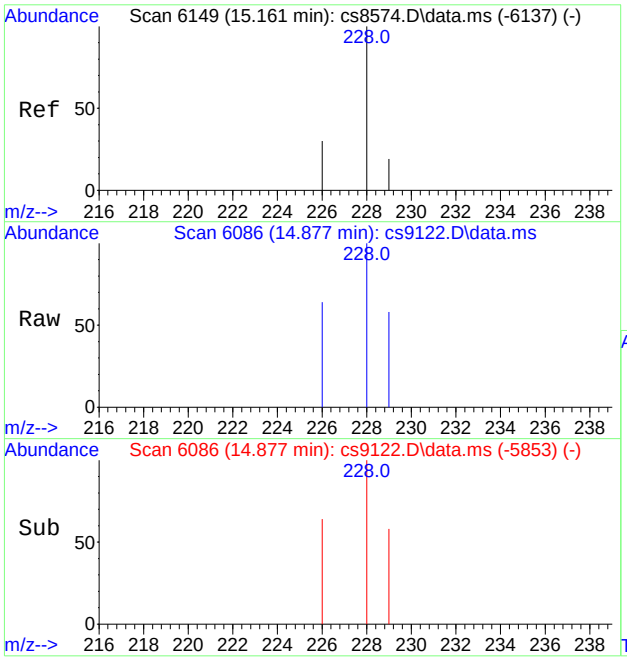


#26
Benzo[a]anthracene
Concen: 0.8577 ppb
RT: 14.818 min Scan# 6058
Delta R.T. 0.004 min
Lab File: cs9122.D
Acq: 18 Oct 2025 07:40 pm

Tgt Ion:228 Resp: 124

Ion	Ratio	Lower	Upper
228	100		
229	19.3	0.0	49.0
226	25.4	0.0	57.0

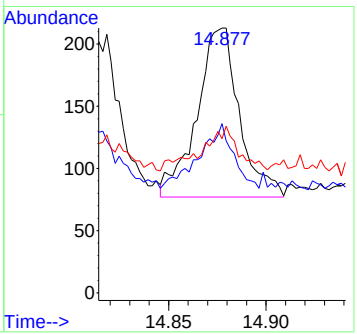




#27
Chrysene
Concen: 1.4425 ppb m
RT: 14.877 min Scan# 6086
Delta R.T. 0.004 min
Lab File: cs9122.D
Acq: 18 Oct 2025 07:40 pm

Tgt Ion:228 Resp: 207

Ion	Ratio	Lower	Upper
228	100		
226	63.8	0.0	59.6#
229	58.2	0.0	49.1#



Manual Integration Approval Summary

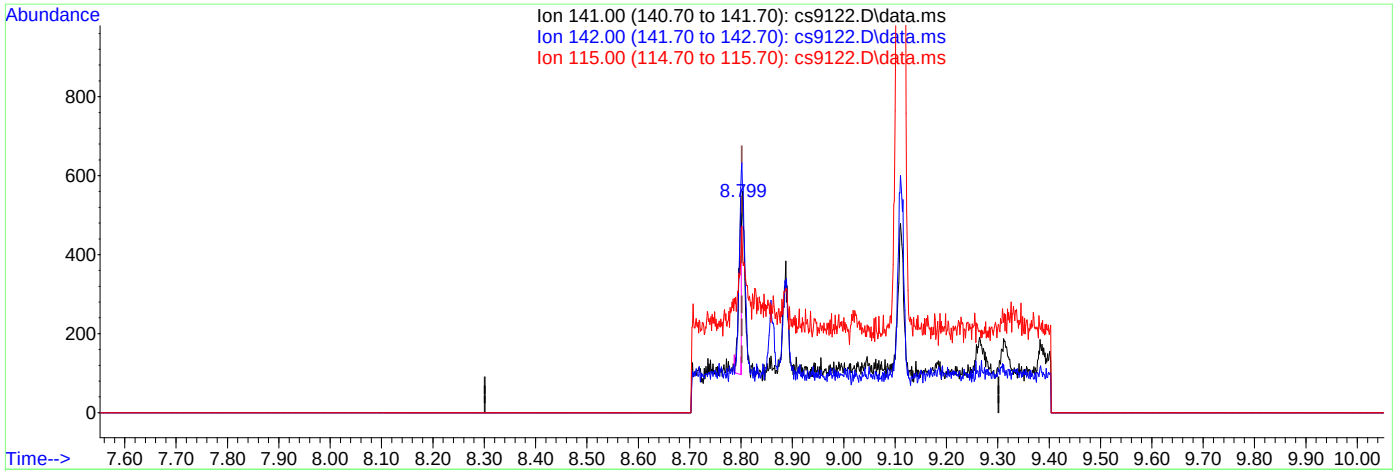
Sample Number: JE21034-6
Lab FileID: CS9122.D
Injection Time: 10/18/25 19:40
Method: SW846 8270E BY SIM
Analyst approved: 10/20/25 16:30 Lorena Tafur
Supervisor approved: 10/21/25 11:23 Ying Li

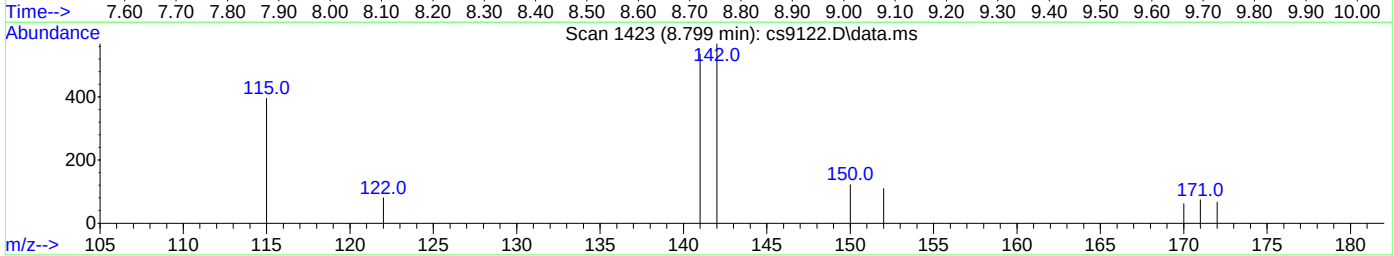
Parameter	CAS	Sig#	R.T. (min.)	Reason
2-Methylnaphthalene	91-57-6		8.80	Poor instrument integration
1-Methylnaphthalene	90-12-0		8.89	Poor instrument integration
Acenaphthene	83-32-9		9.71	Poor instrument integration
Fluorene	86-73-7		10.18	Poor instrument integration
Phenanthrene	85-01-8		11.20	Poor instrument integration
Anthracene	120-12-7		11.26	Poor instrument integration
Fluoranthene	206-44-0		12.73	Poor instrument integration
Pyrene	129-00-0		13.04	Poor instrument integration
Chrysene	218-01-9		14.88	Poor instrument integration

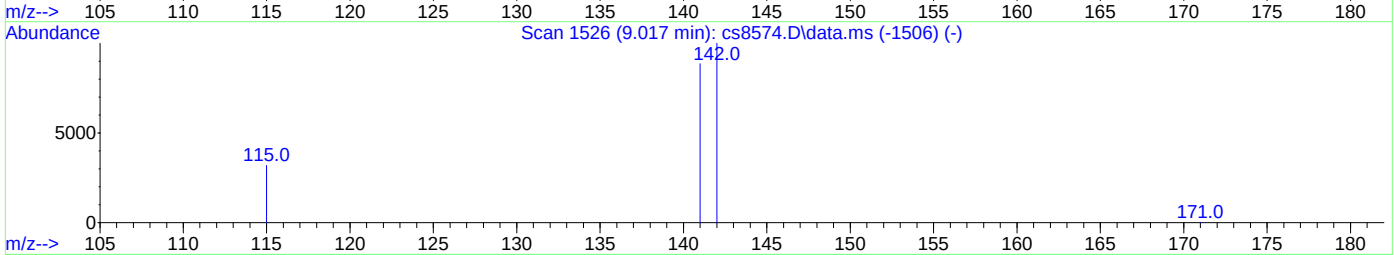
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\lorenat\Octubre\2025-10-20\ecs470\
Data File : cs9122.D
Acq On : 18 Oct 2025 07:40 pm
Operator : rocquans
Sample : je21034-6 Inst : GCMS_CS
Misc : op68253a,ecs470,250,,,1,1
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Oct 20 18:07:54 2025
Quant Method : X:\Dayton SVOA GCMS\lorenat\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 18:05:43 2025
Response via : Initial Calibration







TIC: cs9122.D\data.ms

(9) 2-Methylnaphthalene (t)

8.799min (-0.002) 1.35ppb

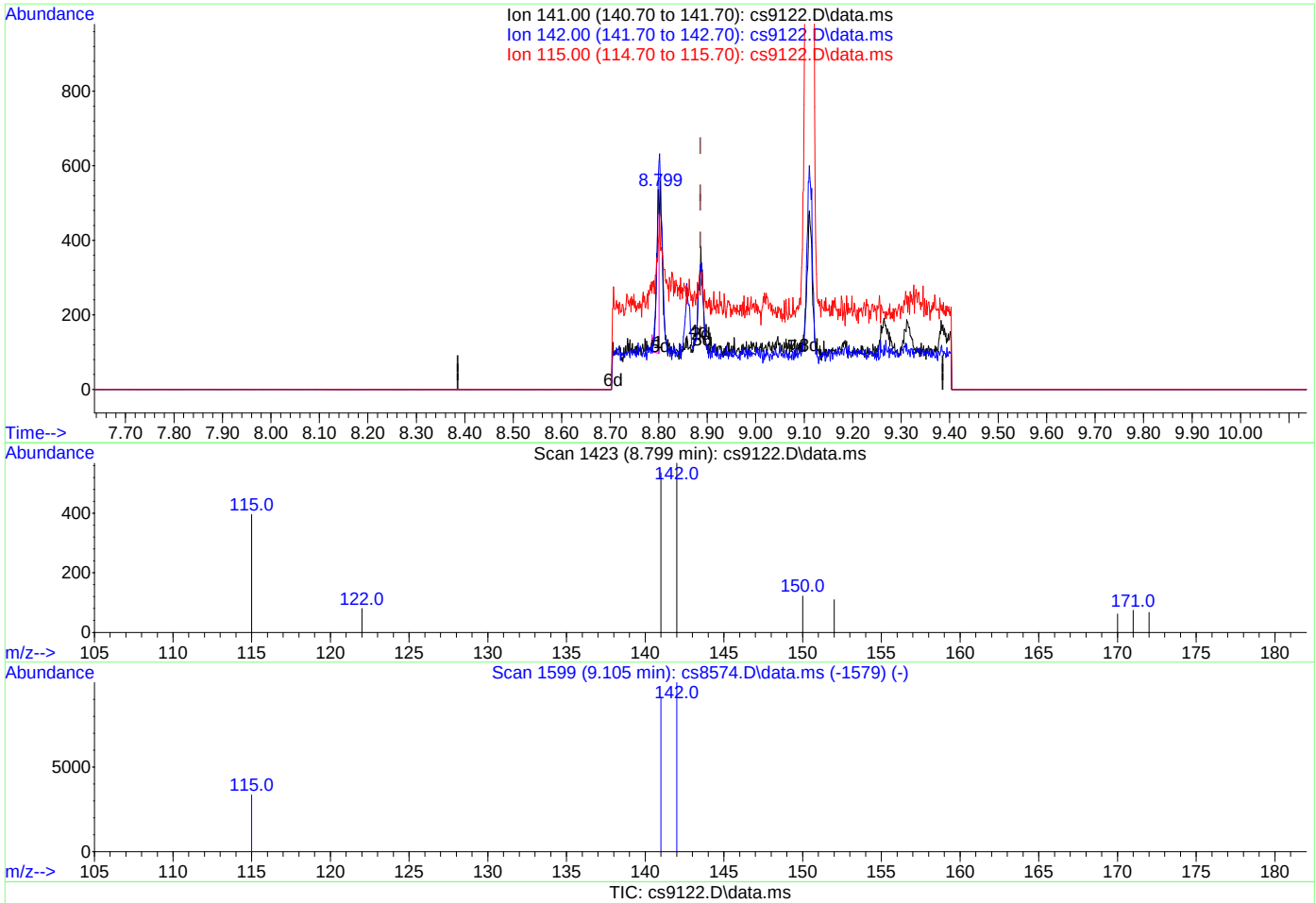
response 156

Ion	Exp%	Act%
141.00	100	100
142.00	114.30	85.23
115.00	35.80	17.76
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\lorenat\Octubre\2025-10-20\ecs470\
Data File : cs9122.D
Acq On : 18 Oct 2025 07:40 pm
Operator : rocquans
Sample : je21034-6 Inst : GCMS_CS
Misc : op68253a,ecs470,250,,,1,1
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Oct 20 18:07:54 2025
Quant Method : X:\Dayton SVOA GCMS\lorenat\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 18:05:43 2025
Response via : Initial Calibration



TIC: cs9122.D\data.ms

(10) 1-Methylnaphthalene (t)

8.799min (-0.086) 1.42ppb

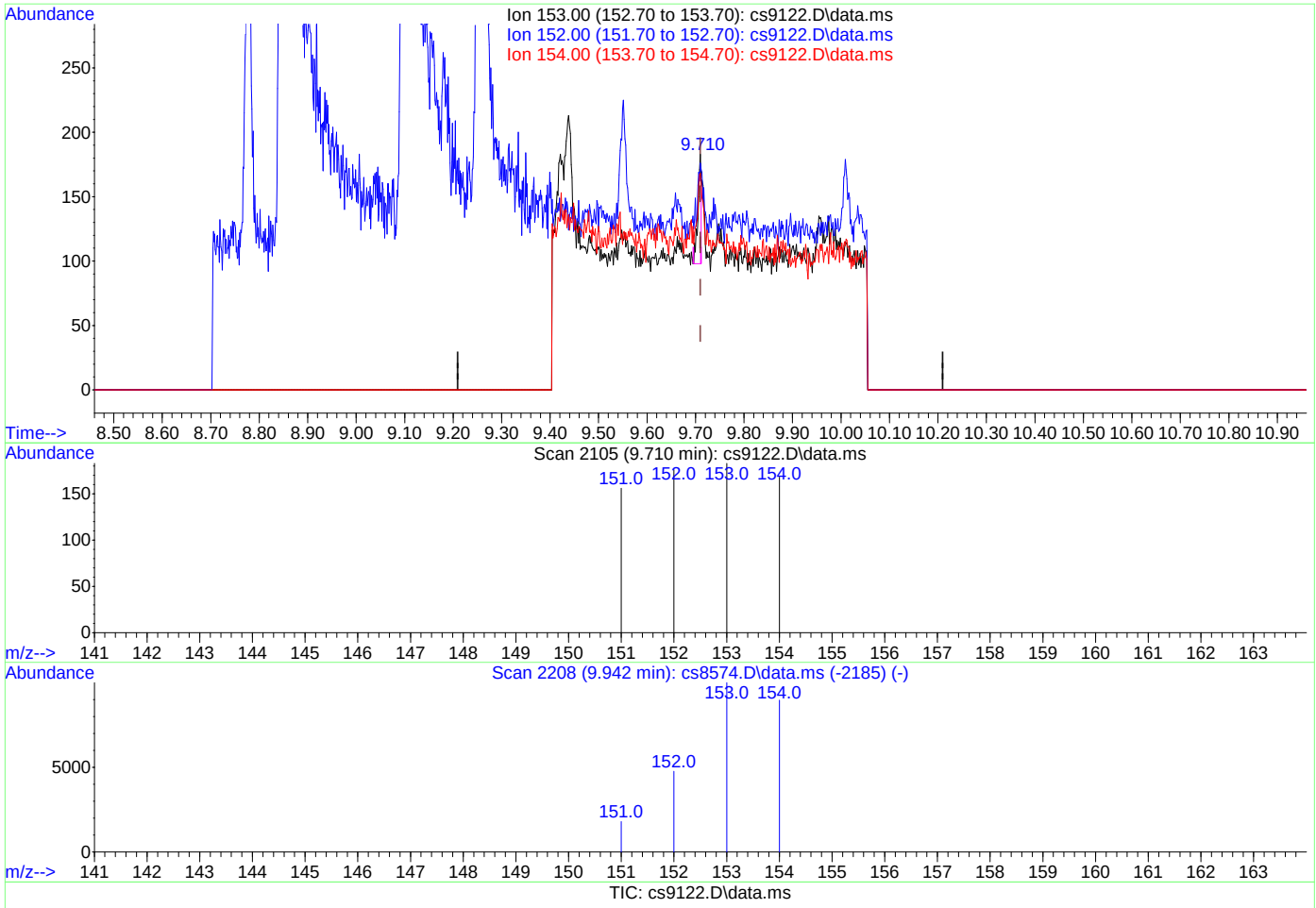
response 156

Ion	Exp%	Act%
141.00	100	100
142.00	112.60	85.23
115.00	37.60	17.76
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\lorenat\Octubre\2025-10-20\ecs470\
Data File : cs9122.D
Acq On : 18 Oct 2025 07:40 pm
Operator : rocquans
Sample : je21034-6 Inst : GCMS_CS
Misc : op68253a,ecs470,250,,,1,1
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Oct 20 18:07:54 2025
Quant Method : X:\Dayton SVOA GCMS\lorenat\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 18:05:43 2025
Response via : Initial Calibration



TIC: cs9122.D\data.ms

(14) Acenaphthene (t)

9.710min (+0.000) 0.31ppb

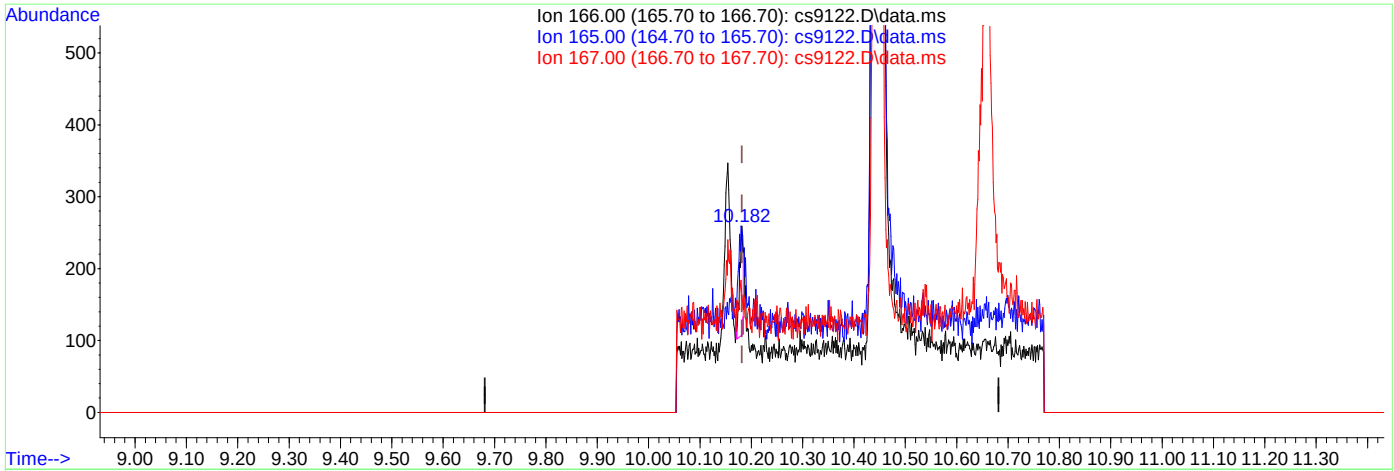
response 39

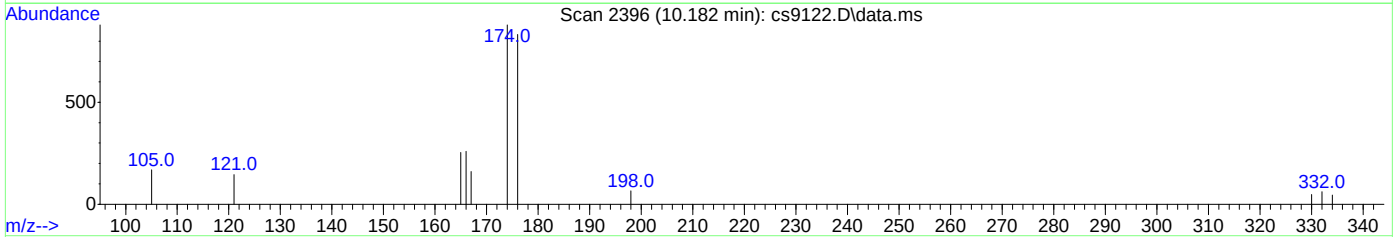
Ion	Exp%	Act%
153.00	100	100
152.00	47.20	50.91
154.00	90.80	57.27#
0.00	0.00	0.00

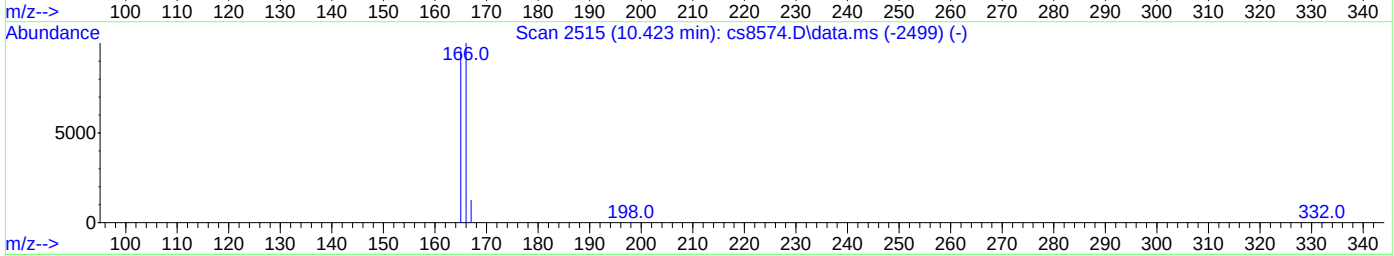
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\lorenat\Octubre\2025-10-20\ecs470\
Data File : cs9122.D
Acq On : 18 Oct 2025 07:40 pm
Operator : rocquans
Sample : je21034-6 Inst : GCMS_CS
Misc : op68253a,ecs470,250,,,1,1
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Oct 20 18:07:54 2025
Quant Method : X:\Dayton SVOA GCMS\lorenat\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 18:05:43 2025
Response via : Initial Calibration







TIC: cs9122.D\data.ms

(15) Fluorene (t)

10.182min (+0.000) 0.48ppb

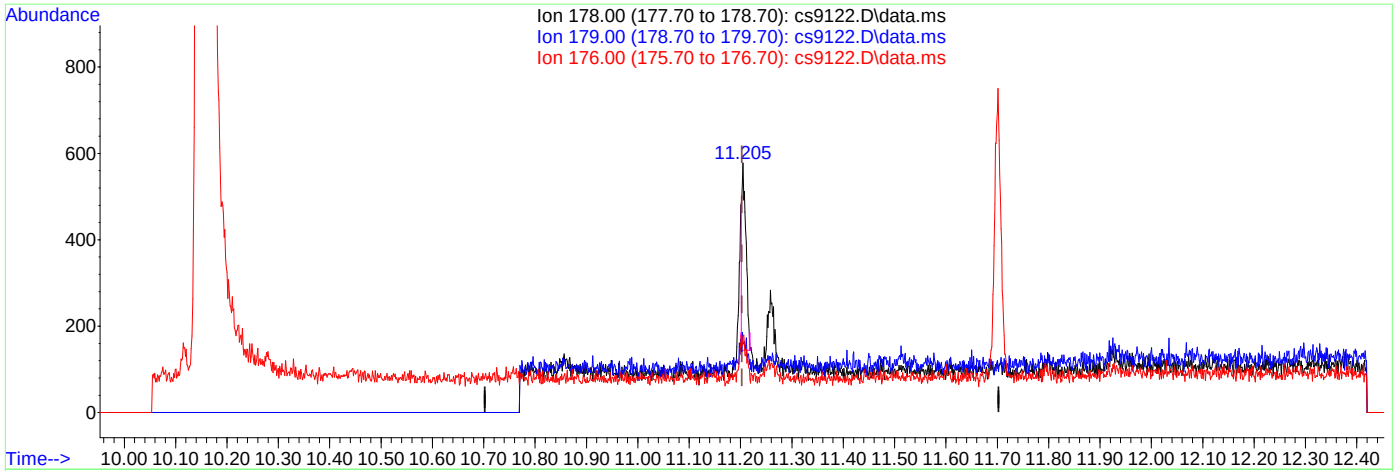
response 69

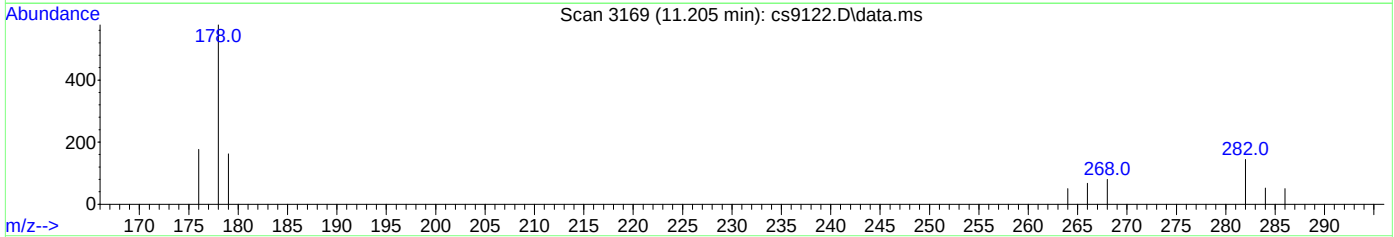
Ion	Exp%	Act%
166.00	100	100
165.00	94.10	71.04
167.00	13.00	11.48
0.00	0.00	0.00

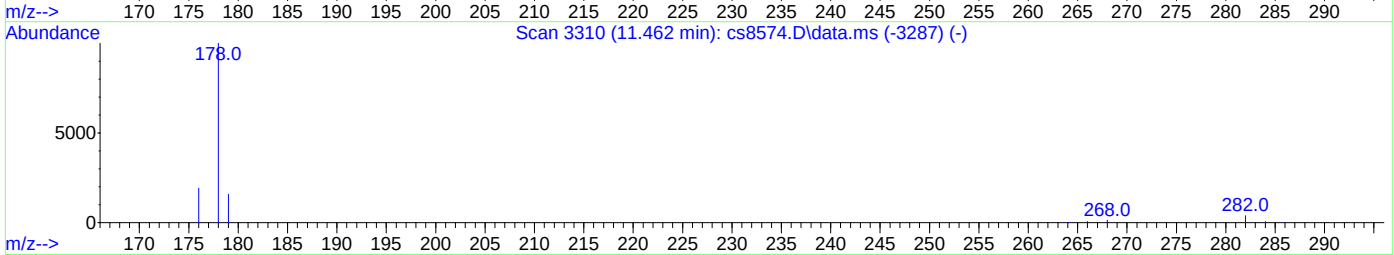
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\lorenat\Octubre\2025-10-20\ecs470\
Data File : cs9122.D
Acq On : 18 Oct 2025 07:40 pm
Operator : rocquans
Sample : je21034-6 Inst : GCMS_CS
Misc : op68253a,ecs470,250,,,1,1
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Oct 20 18:07:54 2025
Quant Method : X:\Dayton SVOA GCMS\lorenat\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 18:05:43 2025
Response via : Initial Calibration







TIC: cs9122.D\data.ms

(21) Phenanthrene (t)

11.205min (+0.002) 1.27ppb

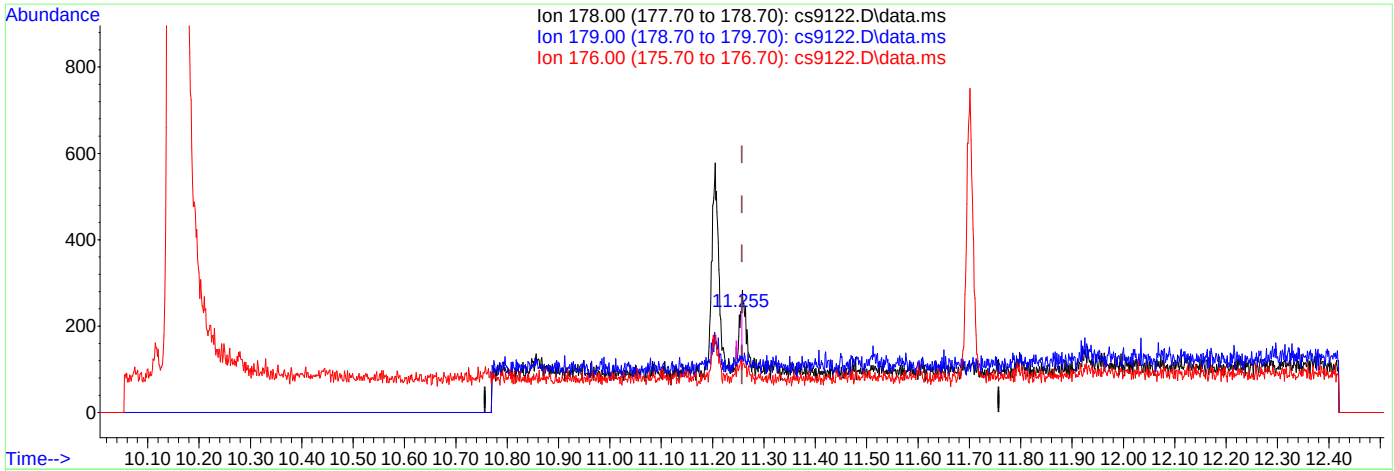
response 238

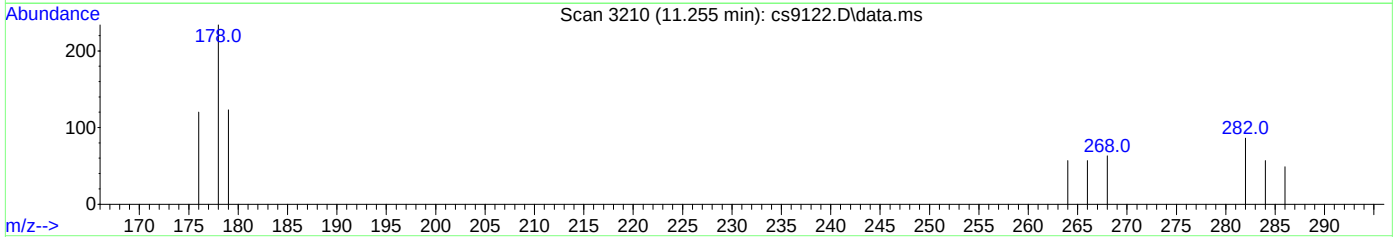
Ion	Exp%	Act%
178.00	100	100
179.00	14.90	10.98
176.00	19.30	18.75
0.00	0.00	0.00

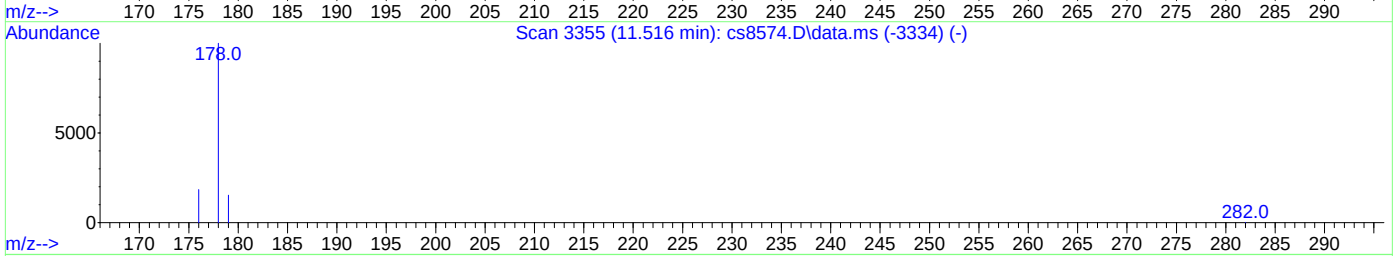
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\lorenat\Octubre\2025-10-20\ecs470\
Data File : cs9122.D
Acq On : 18 Oct 2025 07:40 pm
Operator : rocquans
Sample : je21034-6 Inst : GCMS_CS
Misc : op68253a,ecs470,250,,,1,1
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Oct 20 18:07:54 2025
Quant Method : X:\Dayton SVOA GCMS\lorenat\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 18:05:43 2025
Response via : Initial Calibration







TIC: cs9122.D\data.ms

(22) Anthracene (t)

11.255min (-0.002) 0.25ppb

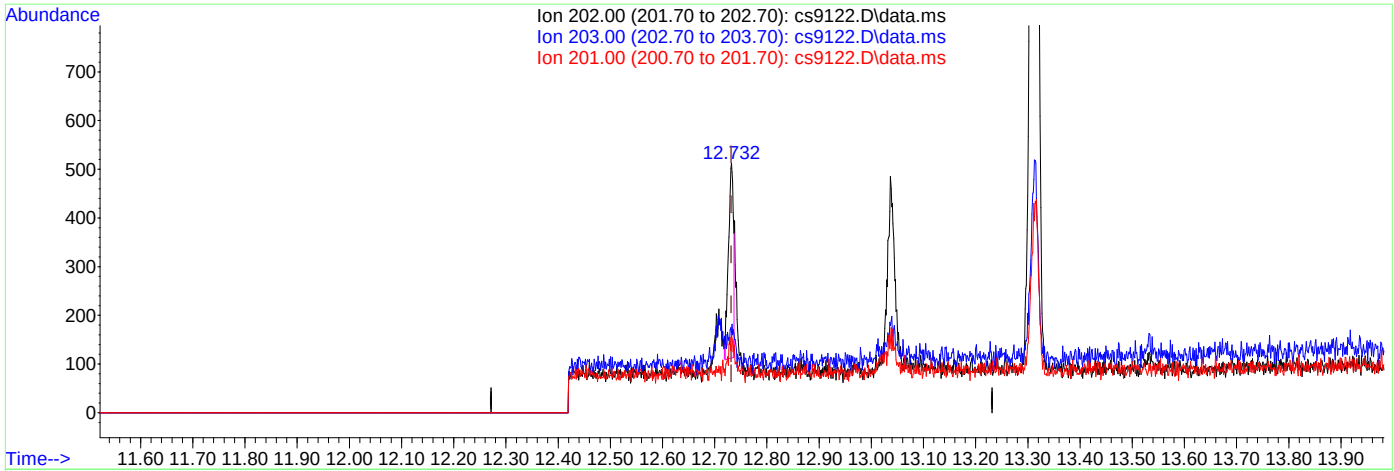
response 44

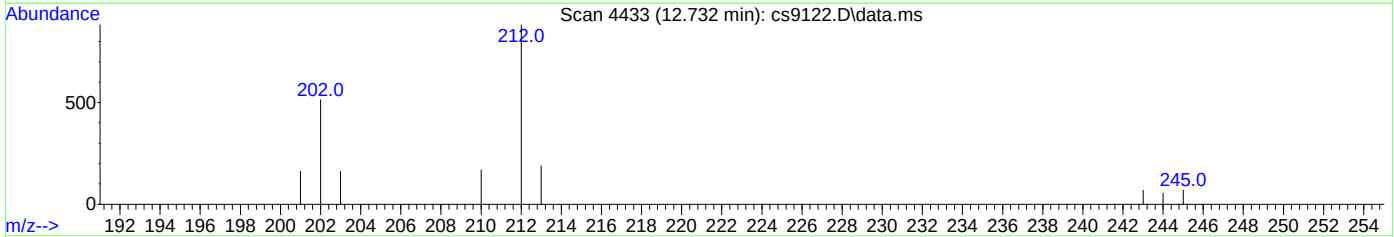
Ion	Exp%	Act%
178.00	100	100
179.00	14.90	17.12
176.00	18.00	36.94
0.00	0.00	0.00

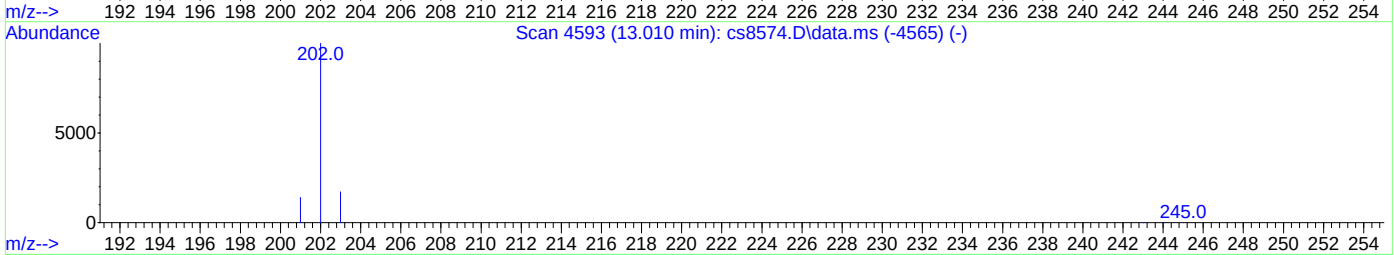
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\lorenat\Octubre\2025-10-20\ecs470\
Data File : cs9122.D
Acq On : 18 Oct 2025 07:40 pm
Operator : rocquans
Sample : je21034-6 Inst : GCMS_CS
Misc : op68253a,ecs470,250,,,1,1
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Oct 20 18:07:54 2025
Quant Method : X:\Dayton SVOA GCMS\lorenat\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 18:05:43 2025
Response via : Initial Calibration







TIC: cs9122.D\data.ms

(23) Fluoranthene (t)

12.732min (+0.000) 1.34ppb

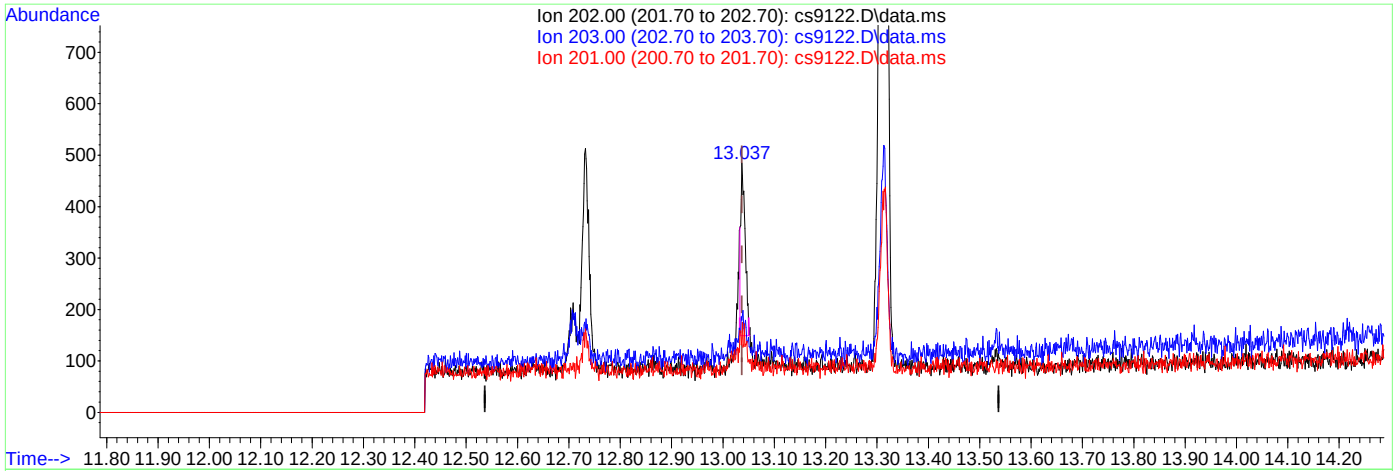
response 264

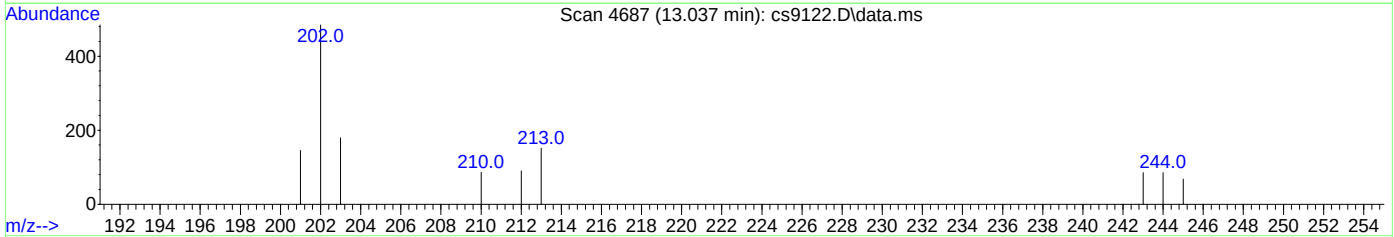
Ion	Exp%	Act%
202.00	100	100
203.00	16.90	3.24
201.00	14.30	20.80
0.00	0.00	0.00

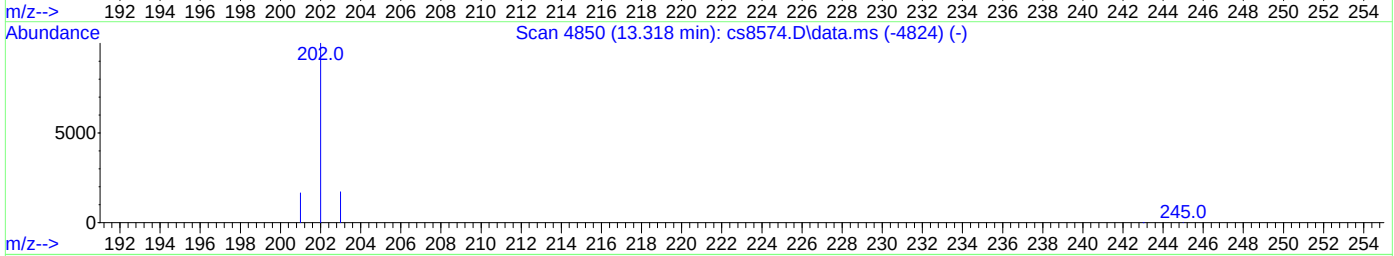
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\lorenat\Octubre\2025-10-20\ecs470\
Data File : cs9122.D
Acq On : 18 Oct 2025 07:40 pm
Operator : rocquans
Sample : je21034-6 Inst : GCMS_CS
Misc : op68253a,ecs470,250,,,1,1
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Oct 20 18:07:54 2025
Quant Method : X:\Dayton SVOA GCMS\lorenat\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 18:05:43 2025
Response via : Initial Calibration







TIC: cs9122.D\data.ms

(24) Pyrene (t)

13.037min (+0.000) 0.97ppb

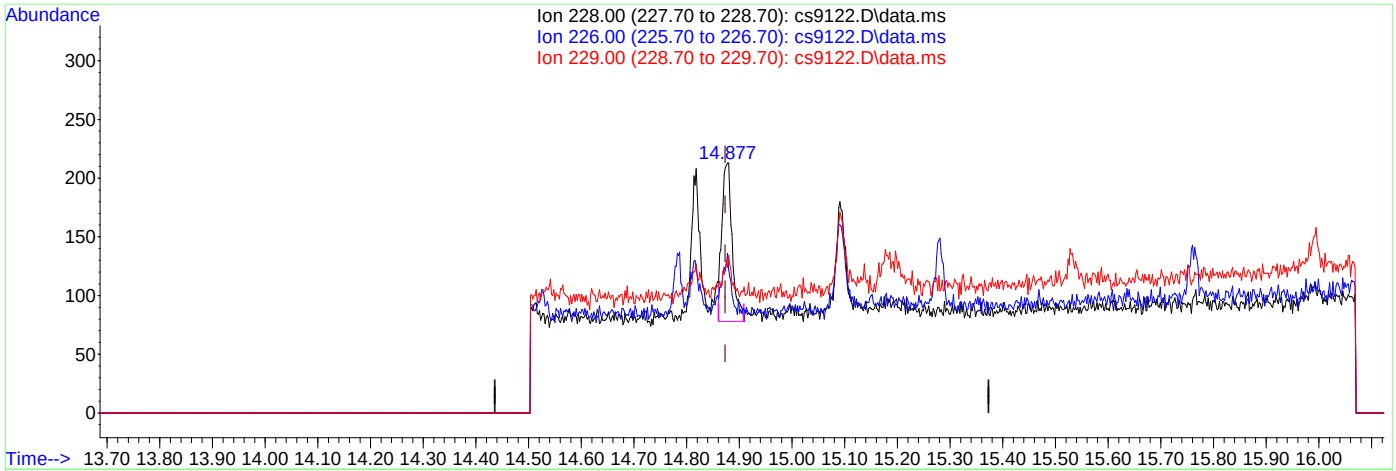
response 194

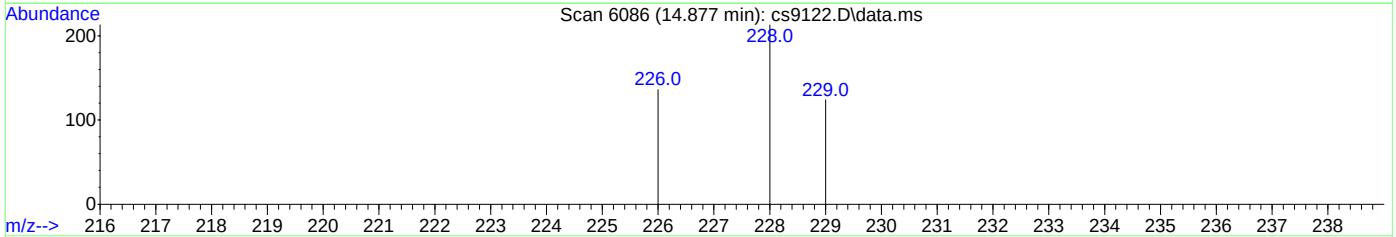
Ion	Exp%	Act%
202.00	100	100
203.00	17.40	16.27
201.00	16.90	6.07
0.00	0.00	0.00

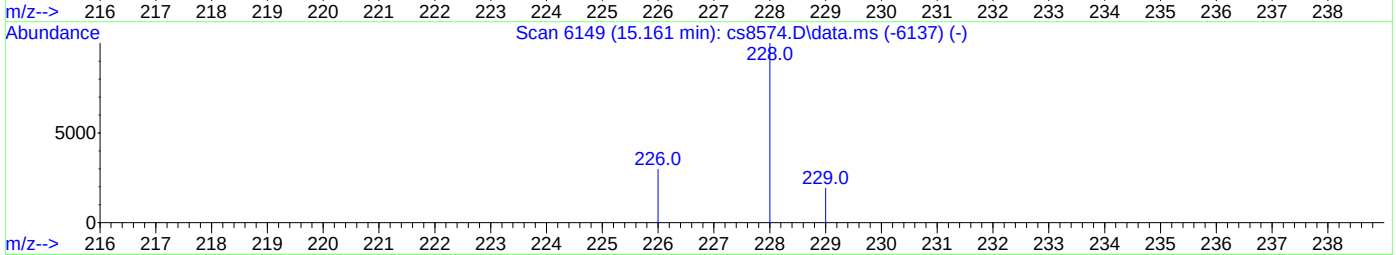
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\lorenat\Octubre\2025-10-20\ecs470\
Data File : cs9122.D
Acq On : 18 Oct 2025 07:40 pm
Operator : rocquans
Sample : je21034-6 Inst : GCMS_CS
Misc : op68253a,ecs470,250,,,1,1
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Oct 20 18:07:54 2025
Quant Method : X:\Dayton SVOA GCMS\lorenat\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 18:05:43 2025
Response via : Initial Calibration







TIC: cs9122.D\data.ms

(27) Chrysene (t)

14.877min (+0.004) 1.27ppb

response 182

Ion	Exp%	Act%
228.00	100	100
226.00	29.60	36.71
229.00	19.10	13.92
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Ying Li
10/20/25 09:43

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\anthonyt\10-19-25\e2m6525\
Data File : 2M144265.d
Acq On : 18 Oct 2025 9:40 pm
Operator : rocquans
Sample : je21034-7 Inst : GCMS2M
Misc : op68166a,E2M6525,250,,,1,1
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Oct 19 14:09:13 2025
Quant Method : X:\Dayton SVOA GCMS\anthonyt\methods\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sun Oct 19 13:14:24 2025
Response via : Initial Calibration

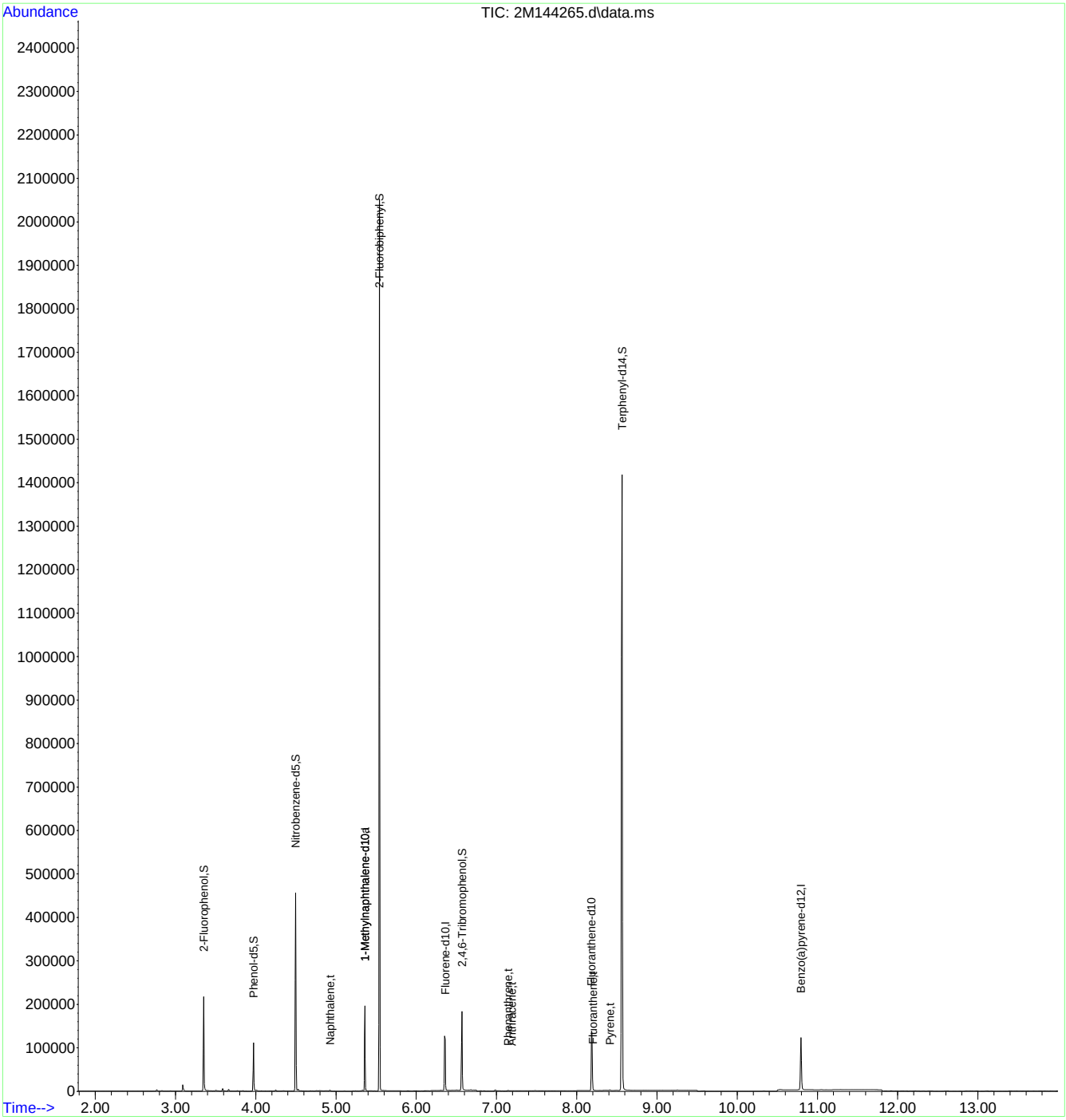
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1-Methylnaphthalene-d10	5.361	150	42473	800.00	ppb		0.00
12) Fluorene-d10	6.361	176	51259	800.00	ppb		0.00
19) Fluoranthene-d10	8.184	212	100326	800.00	ppb		0.00
29) Benzo(a)pyrene-d12	10.795	264	75045	800.00	ppb	#	0.00
36) 1-Methylnaphthalene-d10a	5.361	150	42473	800.00	ppb		0.00
System Monitoring Compounds							
3) 2-Fluorophenol	3.350	112	65408	1962.18	ppb		0.01
Spiked Amount 10000.000			Recovery =	19.62%			
4) Phenol-d5	3.973	99	64723	1783.22	ppb		0.01
Spiked Amount 10000.000			Recovery =	17.83%			
6) Nitrobenzene-d5	4.498	82	204250	6096.89	ppb		0.00
Spiked Amount 10000.000			Recovery =	60.97%			
13) 2-Fluorobiphenyl	5.541	172	645261	7845.81	ppb		0.00
Spiked Amount 10000.000			Recovery =	78.46%			
18) 2,4,6-Tribromophenol	6.570	330	53444	4840.14	ppb		0.00
Spiked Amount 10000.000			Recovery =	48.40%			
26) Terphenyl-d14	8.565	244	804320	7567.93	ppb		0.00
Spiked Amount 10000.000			Recovery =	75.68%			
Target Compounds							Qvalue
7) Naphthalene	4.925	128	2423	19.2287	ppb		98
22) Phenanthrene	7.144	178	860	5.8220	ppb		97
23) Anthracene	7.191	178	285	1.9358	ppb		94
24) Fluoranthene	8.203	202	1396m	7.6280	ppb		
25) Pyrene	8.416	202	922m	5.0272	ppb		

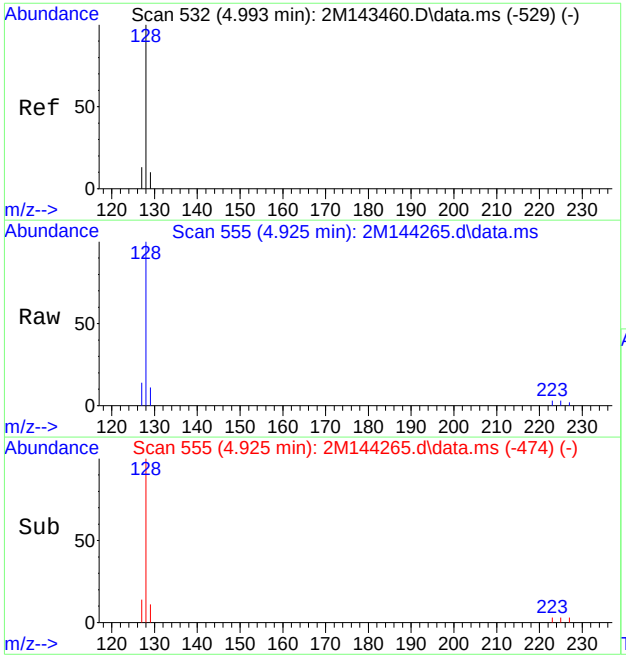
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\anthonyt\10-19-25\e2m6525\
Data File : 2M144265.d
Acq On : 18 Oct 2025 9:40 pm
Operator : rocquans
Sample : je21034-7 Inst : GCMS2M
Misc : op68166a,E2M6525,250,,,1,1
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Oct 19 14:09:13 2025
Quant Method : X:\Dayton SVOA GCMS\anthonyt\methods\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sun Oct 19 13:14:24 2025
Response via : Initial Calibration

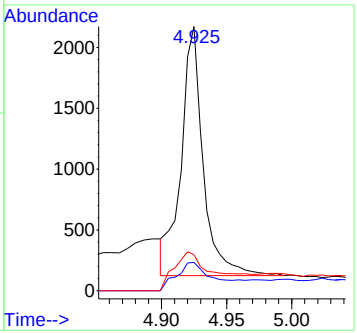


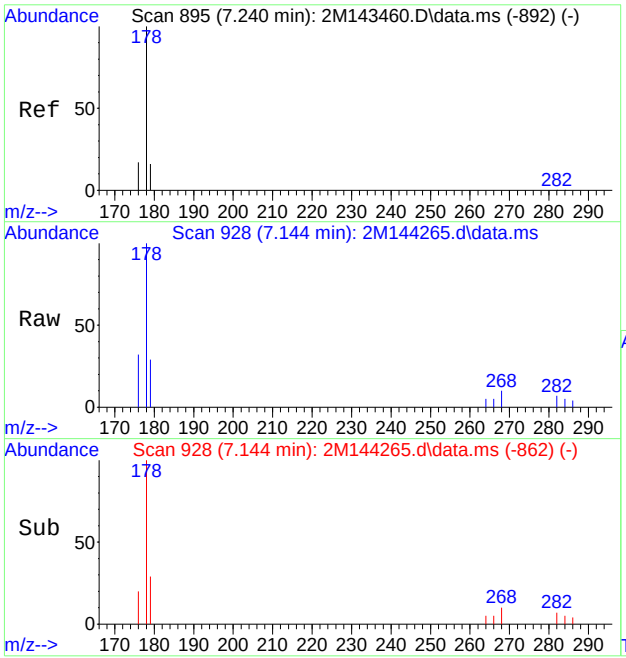


#7
Naphthalene
Concen: 19.2287 ppb
RT: 4.925 min Scan# 555
Delta R.T. 0.005 min
Lab File: 2M144265.d
Acq: 18 Oct 2025 9:40 pm

Tgt Ion:128 Resp: 2423

Ion	Ratio	Lower	Upper
128	100		
129	9.8	0.0	41.0
127	11.9	0.0	42.7

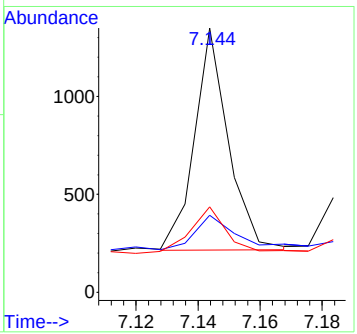


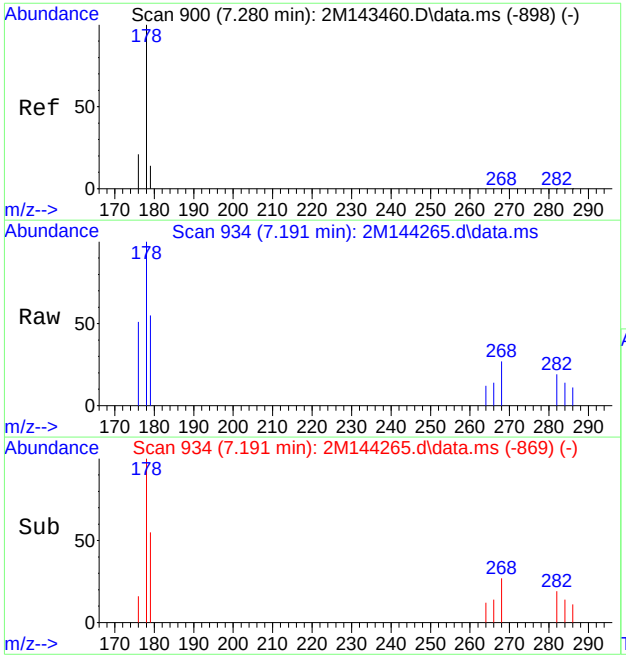


#22
Phenanthrene
Concen: 5.8220 ppb
RT: 7.144 min Scan# 928
Delta R.T. -0.000 min
Lab File: 2M144265.d
Acq: 18 Oct 2025 9:40 pm

Tgt Ion:178 Resp: 860

Ion	Ratio	Lower	Upper
178	100		
179	14.5	0.0	43.8
176	20.1	0.0	52.0

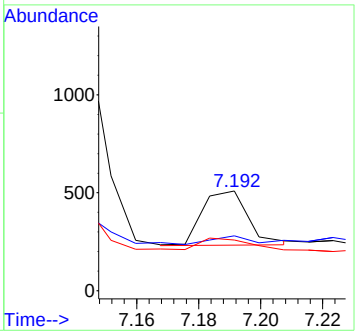


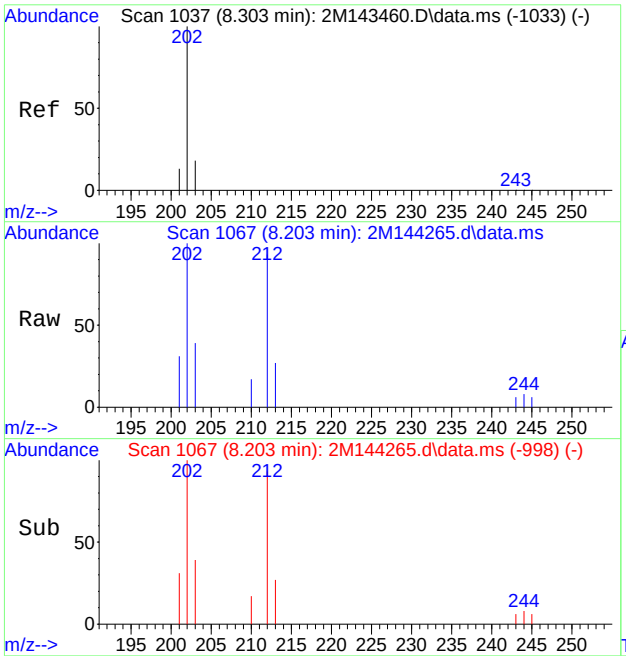


#23
Anthracene
Concen: 1.9358 ppb
RT: 7.191 min Scan# 934
Delta R.T. -0.000 min
Lab File: 2M144265.d
Acq: 18 Oct 2025 9:40 pm

Tgt Ion:178 Resp: 285

Ion	Ratio	Lower	Upper
178	100		
179	10.6	0.0	45.9
176	18.1	0.0	48.0

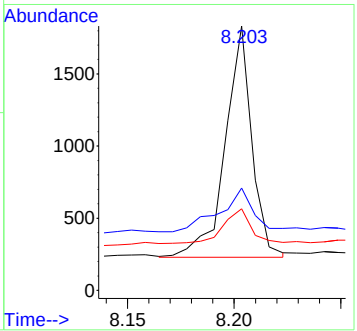


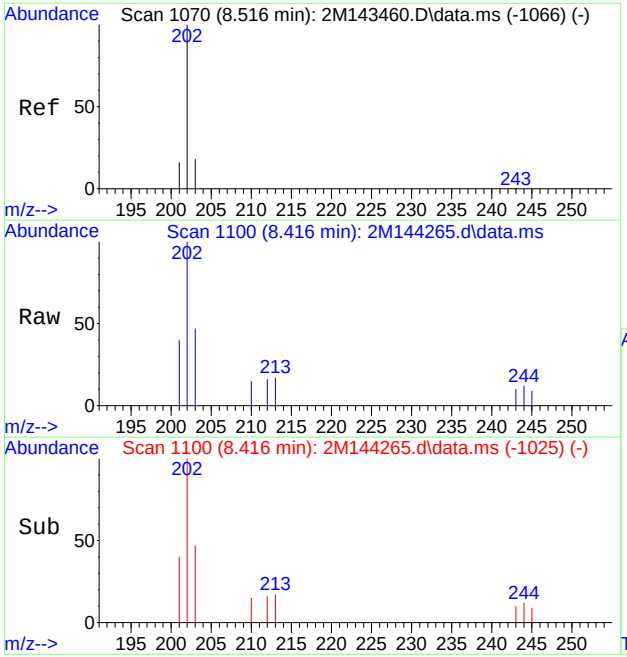


#24
Fluoranthene
Concen: 7.6280 ppb m
RT: 8.203 min Scan# 1067
Delta R.T. -0.000 min
Lab File: 2M144265.d
Acq: 18 Oct 2025 9:40 pm

Tgt Ion:202 Resp: 1396

Ion	Ratio	Lower	Upper
202	100		
203	38.7	0.0	47.1
201	30.9	0.0	44.5

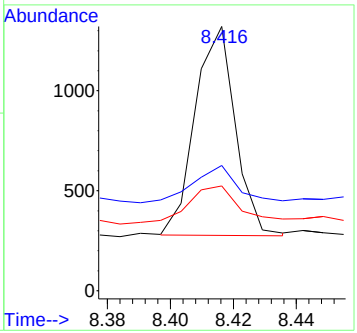




#25
Pyrene
Concen: 5.0272 ppb m
RT: 8.416 min Scan# 1100
Delta R.T. -0.000 min
Lab File: 2M144265.d
Acq: 18 Oct 2025 9:40 pm

Tgt Ion:202 Resp: 922

Ion	Ratio	Lower	Upper
202	100		
203	47.4	0.0	47.7
201	39.6	0.0	46.7



Manual Integration Approval Summary

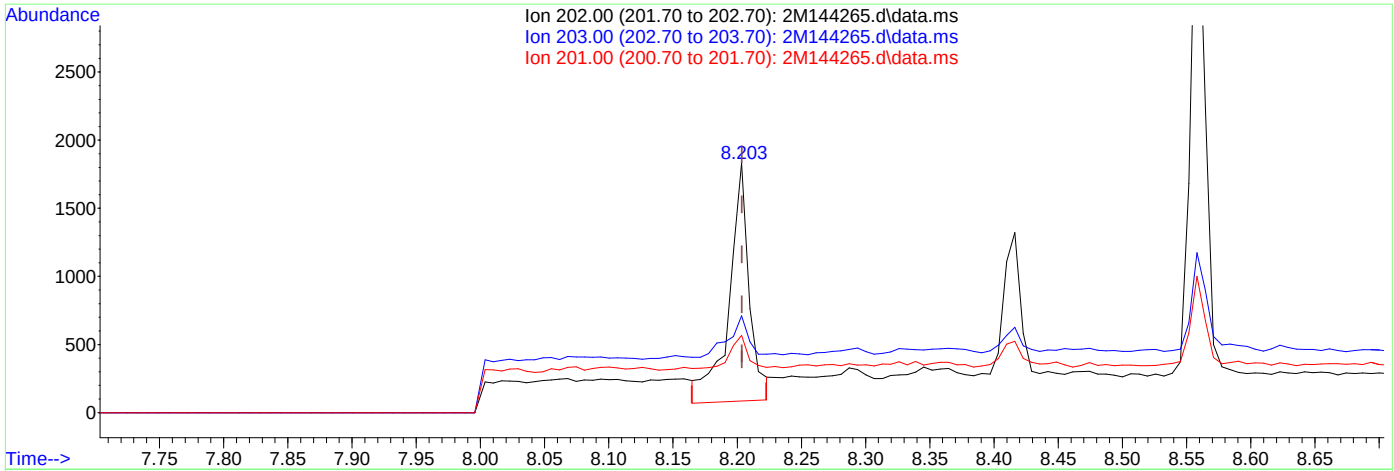
Sample Number: JE21034-7
Lab FileID: 2M144265.D
Injection Time: 10/18/25 21:40
Method: SW846 8270E BY SIM
Analyst approved: 10/19/25 02:32 Anthony Torre
Supervisor approved: 10/20/25 09:43 Ying Li

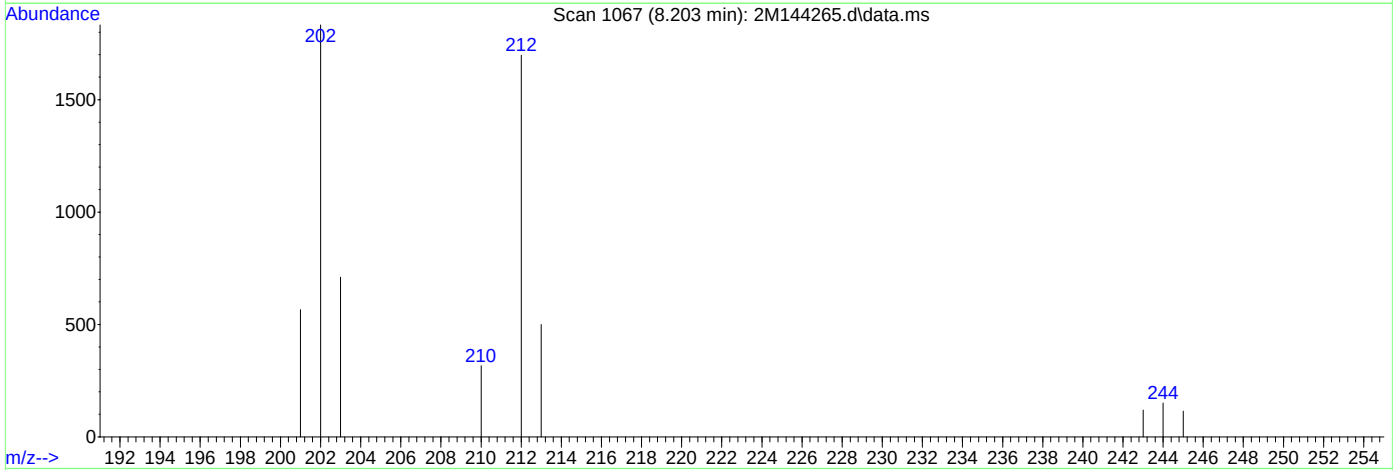
Parameter	CAS	Sig#	R.T. (min.)	Reason
Fluoranthene	206-44-0		8.20	Poor instrument integration
Pyrene	129-00-0		8.42	Poor instrument integration

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\anthonyt\10-19-25\e2m6525\
Data File : 2M144265.d
Acq On : 18 Oct 2025 9:40 pm
Operator : rocquans
Sample : je21034-7 Inst : GCMS2M
Misc : op68166a,E2M6525,250,,,1,1
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Oct 19 13:31:57 2025
Quant Method : X:\Dayton SVOA GCMS\anthonyt\methods\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sun Oct 19 13:14:24 2025
Response via : Initial Calibration





TIC: 2M144265.d\data.ms

(24) Fluoranthene (t)

8.203min (-0.000) 10.44ppb

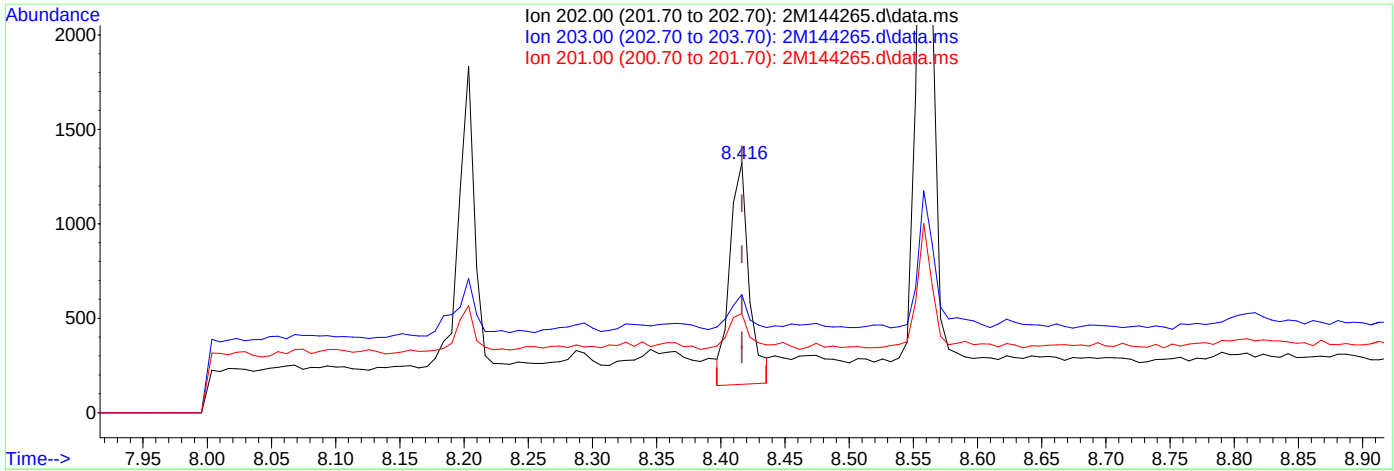
response 1911

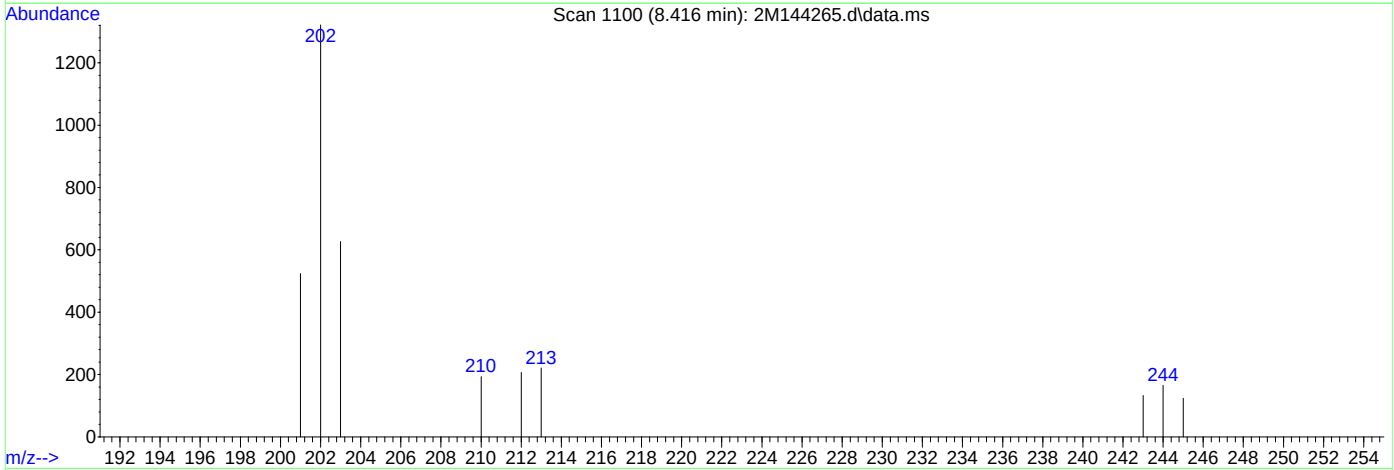
Ion	Exp%	Act%
202.00	100	100
203.00	17.10	18.42
201.00	14.50	14.98
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\anthonyt\10-19-25\e2m6525\
Data File : 2M144265.d
Acq On : 18 Oct 2025 9:40 pm
Operator : rocquans
Sample : je21034-7 Inst : GCMS2M
Misc : op68166a,E2M6525,250,,,1,1
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Oct 19 13:31:57 2025
Quant Method : X:\Dayton SVOA GCMS\anthonyt\methods\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sun Oct 19 13:14:24 2025
Response via : Initial Calibration





TIC: 2M144265.d\data.ms

(25) Pyrene (t)

8.416min (-0.000) 6.62ppb

response 1215

Ion	Exp%	Act%
202.00	100	100
203.00	17.70	16.78
201.00	16.70	16.30
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Jon Kreigmor Mamanta 10/26/25 21:33

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\anthonyt\10-19-25\e2m6525\
Data File : 2M144266.d
Acq On : 18 Oct 2025 10:00 pm
Operator : rocquans
Sample : je21034-8 Inst : GCMS2M
Misc : op68166a,E2M6525,250,,,1,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Oct 19 14:10:32 2025
Quant Method : X:\Dayton SVOA GCMS\anthonyt\methods\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sun Oct 19 13:14:24 2025
Response via : Initial Calibration

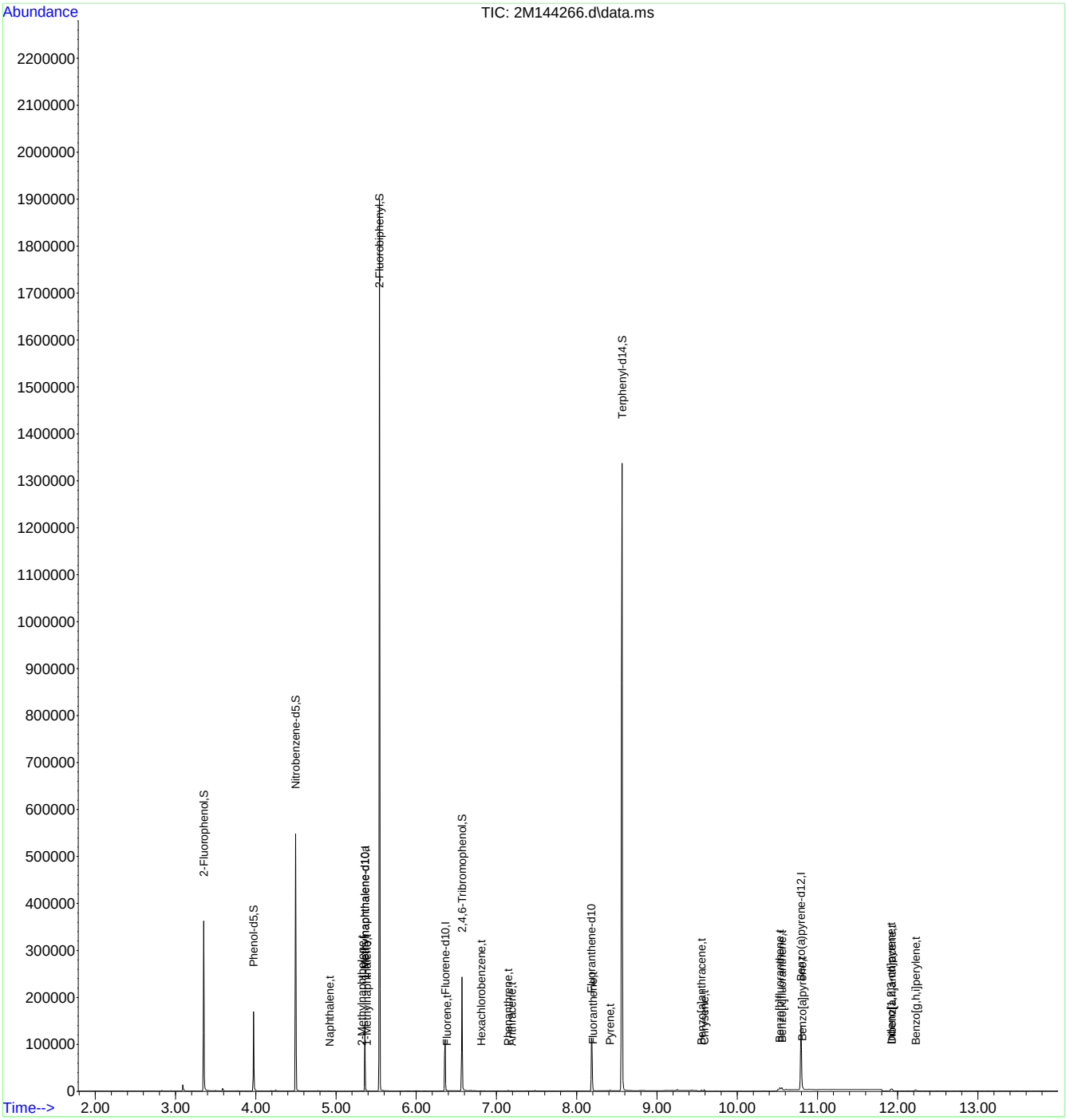
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1-Methylnaphthalene-d10	5.361	150	29727	800.00	ppb		0.00
12) Fluorene-d10	6.361	176	38840	800.00	ppb		0.00
19) Fluoranthene-d10	8.184	212	80211	800.00	ppb		0.00
29) Benzo(a)pyrene-d12	10.795	264	86622	800.00	ppb	#	0.00
36) 1-Methylnaphthalene-d10a	5.361	150	29727	800.00	ppb		0.00
System Monitoring Compounds							
3) 2-Fluorophenol	3.350	112	107191	4594.38	ppb		0.01
Spiked Amount 10000.000			Recovery =	45.94%			
4) Phenol-d5	3.973	99	87981	3463.35	ppb		0.01
Spiked Amount 10000.000			Recovery =	34.63%			
6) Nitrobenzene-d5	4.498	82	228951	9764.52	ppb		0.00
Spiked Amount 10000.000			Recovery =	97.65%			
13) 2-Fluorobiphenyl	5.542	172	622927	9996.09	ppb		0.00
Spiked Amount 10000.000			Recovery =	99.96%			
18) 2,4,6-Tribromophenol	6.570	330	65949	7882.39	ppb		0.00
Spiked Amount 10000.000			Recovery =	78.82%			
26) Terphenyl-d14	8.565	244	723236	8511.54	ppb		0.00
Spiked Amount 10000.000			Recovery =	85.12%			
Target Compounds							Qvalue
7) Naphthalene	4.920	128	515	5.8394	ppb		98
9) 2-Methylnaphthalene	5.323	141	197	3.9026	ppb		97
10) 1-Methylnaphthalene	5.382	141	221	4.2015	ppb		96
16) Fluorene	6.380	166	345m	5.1429	ppb		
20) Hexachlorobenzene	6.809	284	199m	7.3808	ppb		
22) Phenanthrene	7.144	178	702	5.9442	ppb		97
23) Anthracene	7.192	178	459	3.8995	ppb		98
24) Fluoranthene	8.204	202	1290m	8.8164	ppb		
25) Pyrene	8.416	202	993	6.7721	ppb		99
27) Benzo[a]anthracene	9.554	228	1658m	16.1035	ppb		
28) Chrysene	9.592	228	1945m	14.9290	ppb		
30) Benzo[b]fluoranthene	10.531	252	3234	21.7874	ppb		97
31) Benzo[k]fluoranthene	10.558	252	2600	16.4603	ppb		98
32) Benzo[a]pyrene	10.812	252	2360	14.2840	ppb		95
33) Indeno[1,2,3-cd]pyrene	11.920	276	3593	16.8551	ppb		96
34) Dibenz[a,h]anthracene	11.928	278	2985	17.6467	ppb		100
35) Benzo[g,h,i]perylene	12.225	276	2694	15.2556	ppb		100

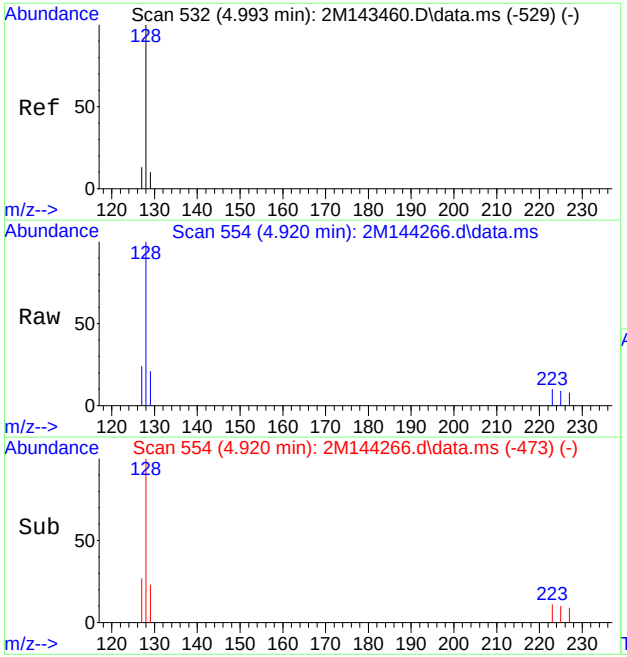
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\anthonyt\10-19-25\e2m6525\
Data File : 2M144266.d
Acq On : 18 Oct 2025 10:00 pm
Operator : rocquans
Sample : je21034-8 Inst : GCMS2M
Misc : op68166a,E2M6525,250,,,1,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Oct 19 14:10:32 2025
Quant Method : X:\Dayton SVOA GCMS\anthonyt\methods\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sun Oct 19 13:14:24 2025
Response via : Initial Calibration

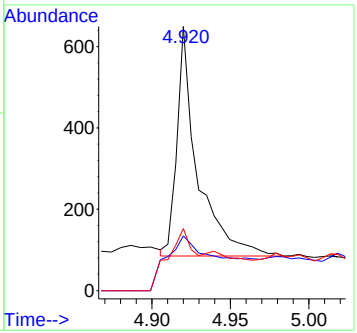


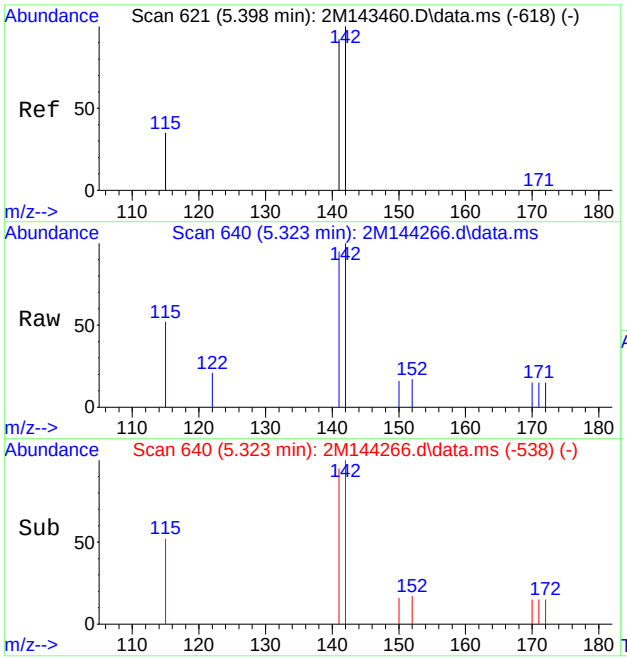


#7
Naphthalene
Concen: 5.8394 ppb
RT: 4.920 min Scan# 554
Delta R.T. -0.000 min
Lab File: 2M144266.d
Acq: 18 Oct 2025 10:00 pm

Tgt Ion:128 Resp: 515

Ion	Ratio	Lower	Upper
128	100		
129	10.0	0.0	41.0
127	13.3	0.0	42.7

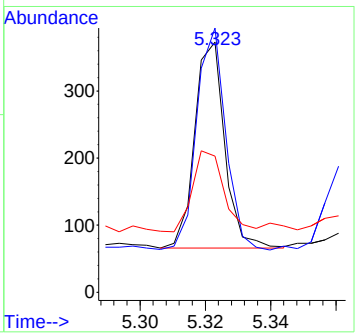


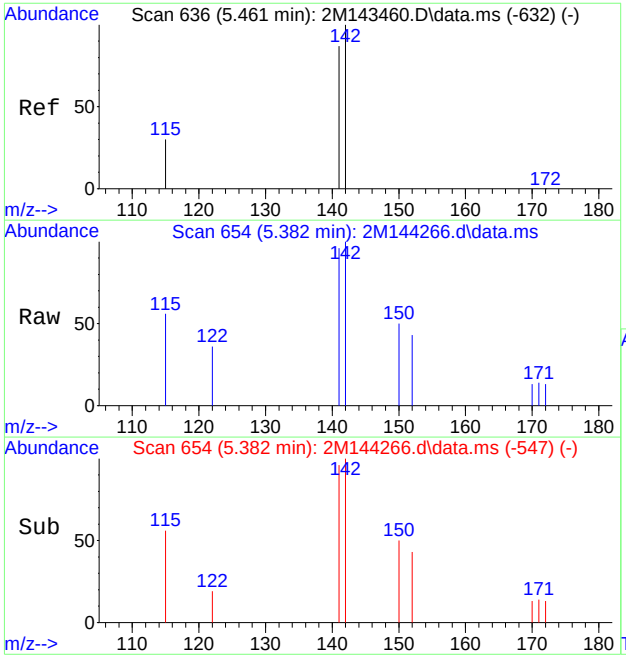


#9
2-Methylnaphthalene
Concen: 3.9026 ppb
RT: 5.323 min Scan# 640
Delta R.T. -0.000 min
Lab File: 2M144266.d
Acq: 18 Oct 2025 10:00 pm

Tgt Ion:141 Resp: 197

Ion	Ratio	Lower	Upper
141	100		
142	107.0	80.0	140.0
115	35.3	7.2	67.2

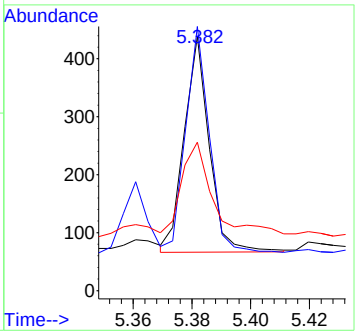


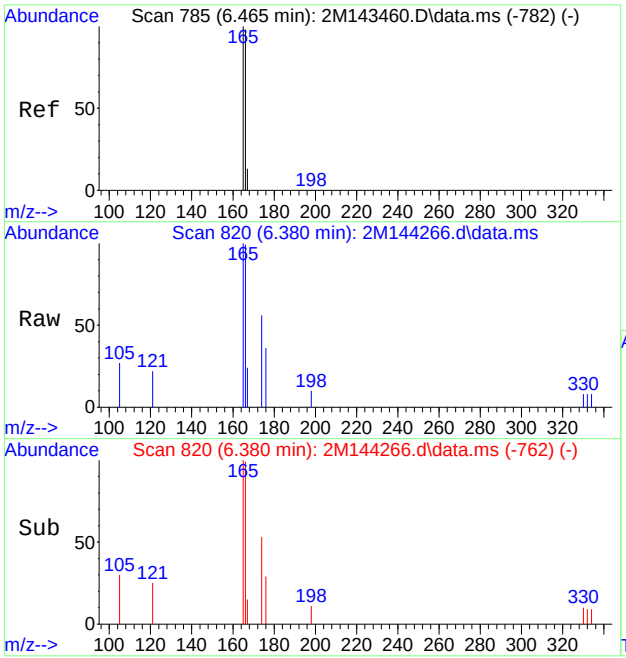


#10
1-Methylnaphthalene
Concen: 4.2015 ppb
RT: 5.382 min Scan# 654
Delta R.T. -0.000 min
Lab File: 2M144266.d
Acq: 18 Oct 2025 10:00 pm

Tgt Ion:141 Resp: 221

Ion	Ratio	Lower	Upper
141	100		
142	105.5	71.6	131.6
115	43.0	11.1	71.1

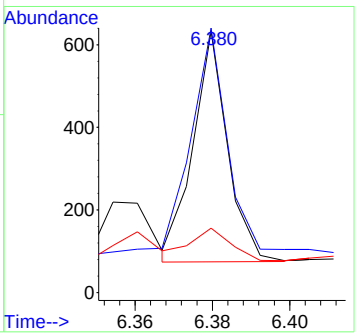


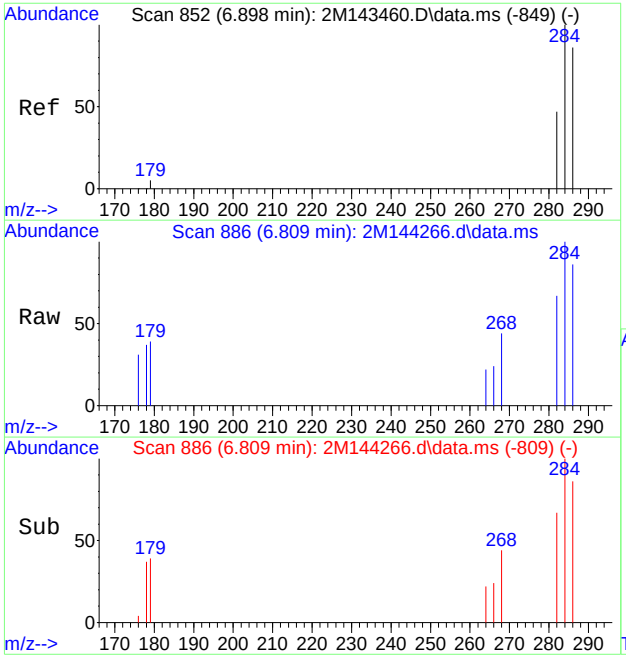


#16
Fluorene
Concen: 5.1429 ppb m
RT: 6.380 min Scan# 820
Delta R.T. -0.000 min
Lab File: 2M144266.d
Acq: 18 Oct 2025 10:00 pm

Tgt Ion:166 Resp: 345

Ion	Ratio	Lower	Upper
166	100		
165	101.3	78.3	138.3
167	24.6	0.0	42.9

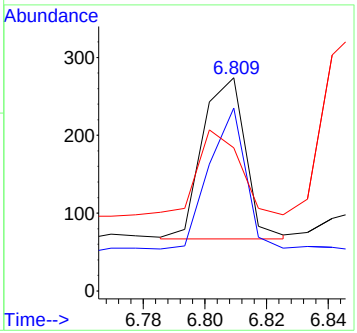


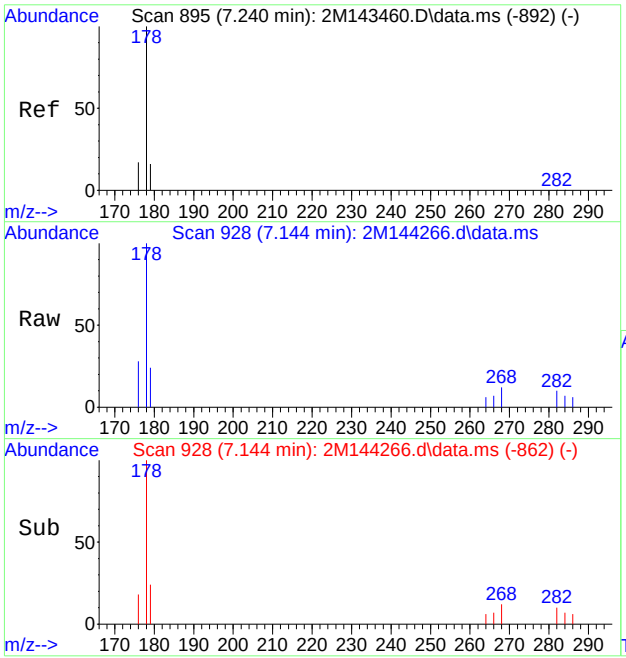


#20
Hexachlorobenzene
Concen: 7.3808 ppb m
RT: 6.809 min Scan# 886
Delta R.T. -0.000 min
Lab File: 2M144266.d
Acq: 18 Oct 2025 10:00 pm

Tgt Ion:284 Resp: 199

Ion	Ratio	Lower	Upper
284	100		
286	85.8	51.5	111.5
282	67.2	19.2	79.2

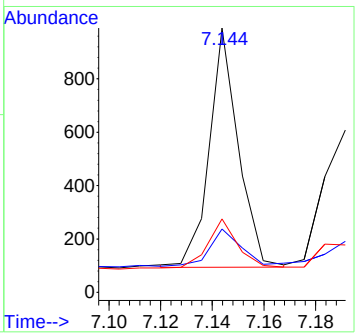


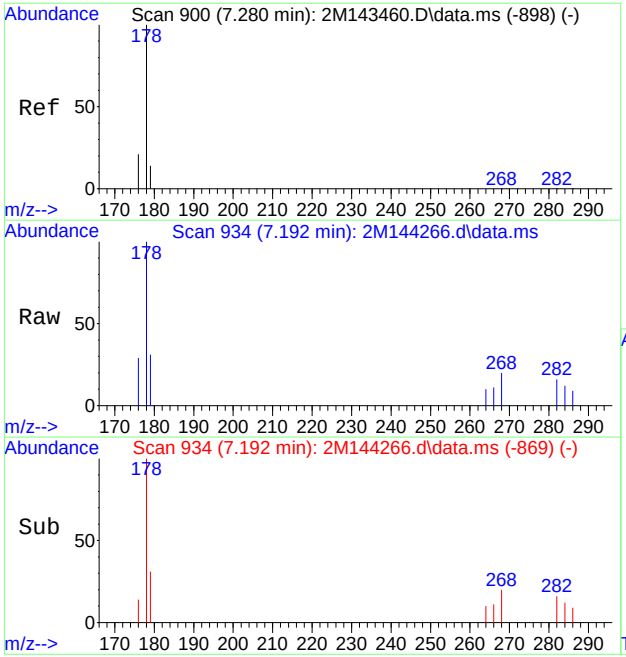


#22
Phenanthrene
Concen: 5.9442 ppb
RT: 7.144 min Scan# 928
Delta R.T. -0.000 min
Lab File: 2M144266.d
Acq: 18 Oct 2025 10:00 pm

Tgt Ion:178 Resp: 702

Ion	Ratio	Lower	Upper
178	100		
179	15.0	0.0	43.8
176	20.6	0.0	52.0

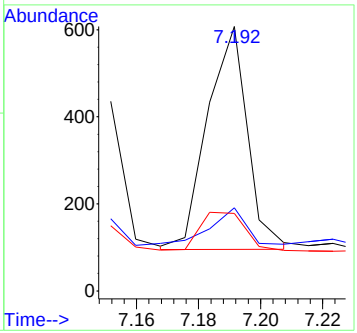


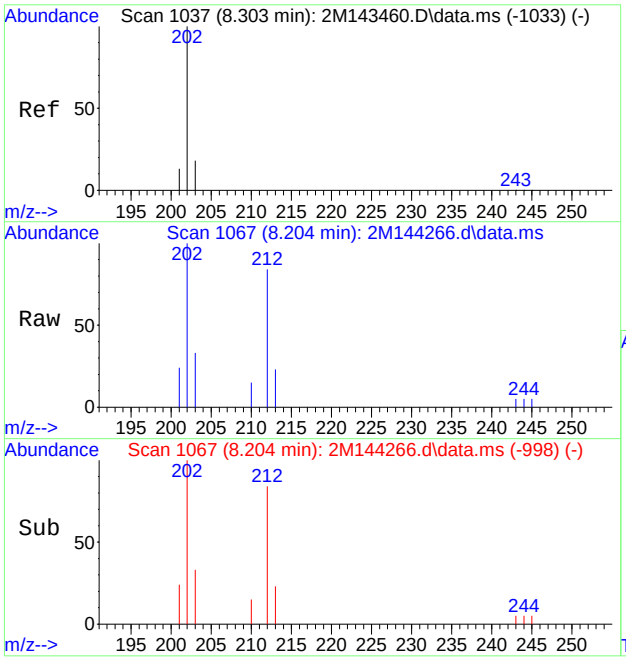


#23
Anthracene
Concen: 3.8995 ppb
RT: 7.192 min Scan# 934
Delta R.T. -0.000 min
Lab File: 2M144266.d
Acq: 18 Oct 2025 10:00 pm

Tgt Ion:178 Resp: 459

Ion	Ratio	Lower	Upper
178	100		
179	16.6	0.0	45.9
176	16.9	0.0	48.0

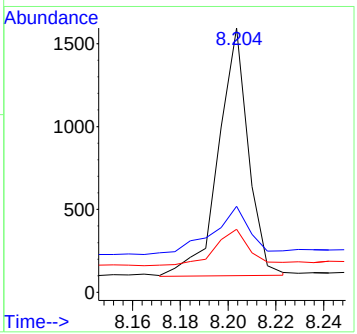


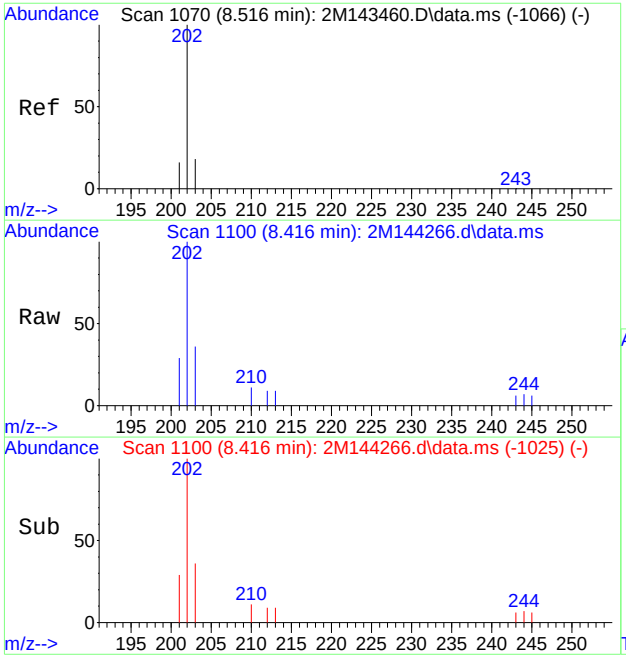


#24
Fluoranthene
Concen: 8.8164 ppb m
RT: 8.204 min Scan# 1067
Delta R.T. -0.000 min
Lab File: 2M144266.d
Acq: 18 Oct 2025 10:00 pm

Tgt Ion:202 Resp: 1290

Ion	Ratio	Lower	Upper
202	100		
203	32.6	0.0	47.1
201	23.8	0.0	44.5

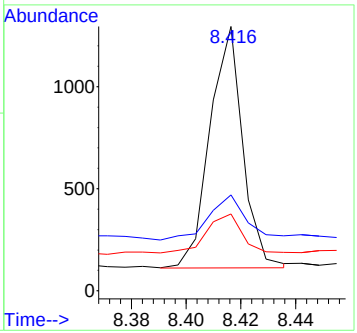


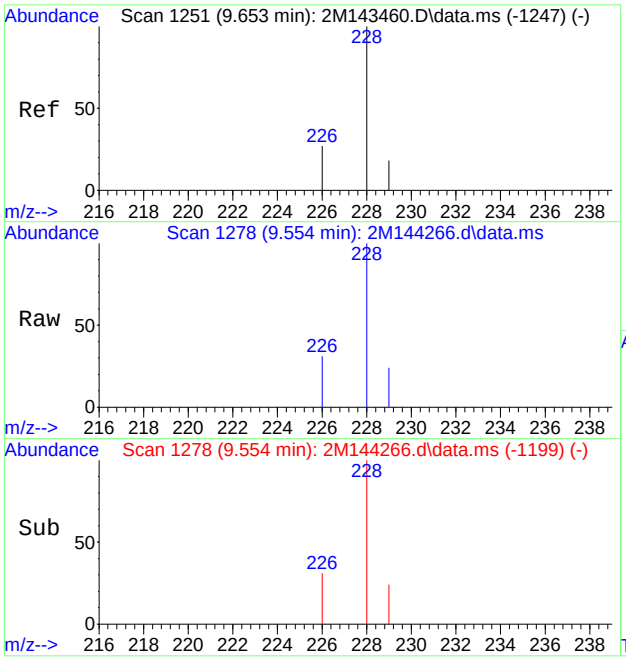


#25
Pyrene
Concen: 6.7721 ppb
RT: 8.416 min Scan# 1100
Delta R.T. -0.000 min
Lab File: 2M144266.d
Acq: 18 Oct 2025 10:00 pm

Tgt Ion:202 Resp: 993

Ion	Ratio	Lower	Upper
202	100		
203	18.0	0.0	47.7
201	16.2	0.0	46.7

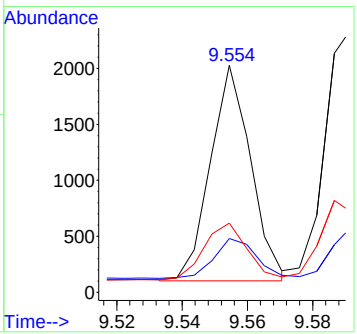


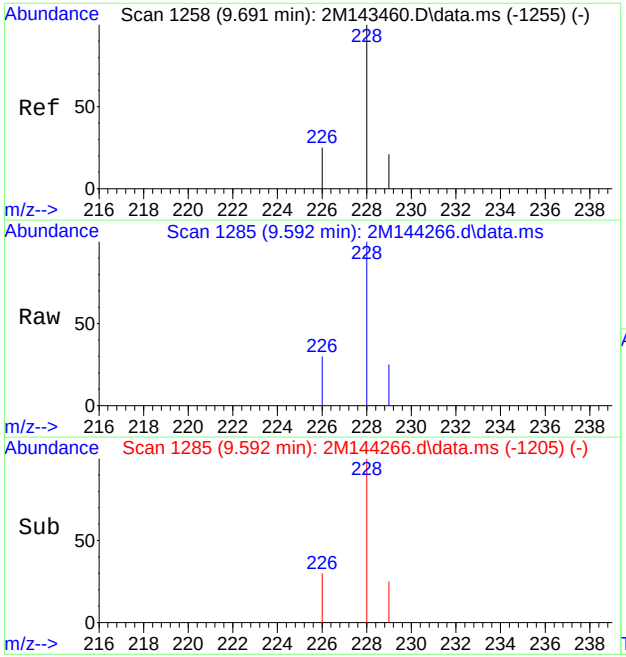


#27
Benzo[a]anthracene
Concen: 16.1035 ppb m
RT: 9.554 min Scan# 1278
Delta R.T. -0.000 min
Lab File: 2M144266.d
Acq: 18 Oct 2025 10:00 pm

Tgt Ion:228 Resp: 1658

Ion	Ratio	Lower	Upper
228	100		
229	23.7	0.0	47.3
226	30.5	0.0	58.2

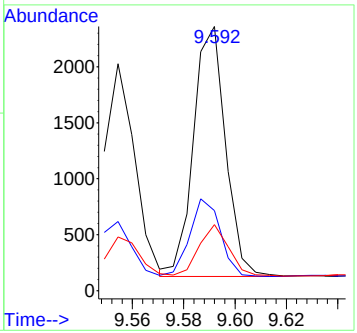


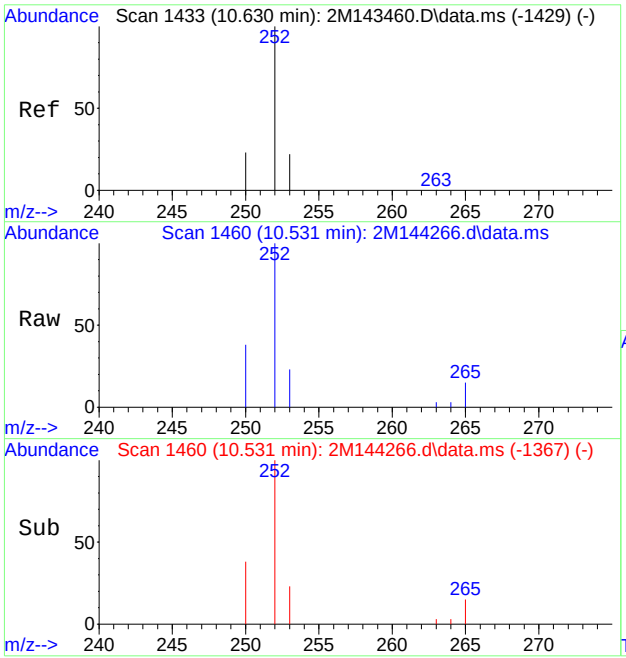


#28
Chrysene
Concen: 14.9290 ppb m
RT: 9.592 min Scan# 1285
Delta R.T. -0.000 min
Lab File: 2M144266.d
Acq: 18 Oct 2025 10:00 pm

Tgt Ion:228 Resp: 1945

Ion	Ratio	Lower	Upper
228	100		
226	30.3	0.0	56.1
229	25.0	0.0	50.8

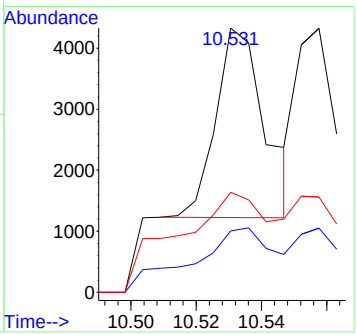


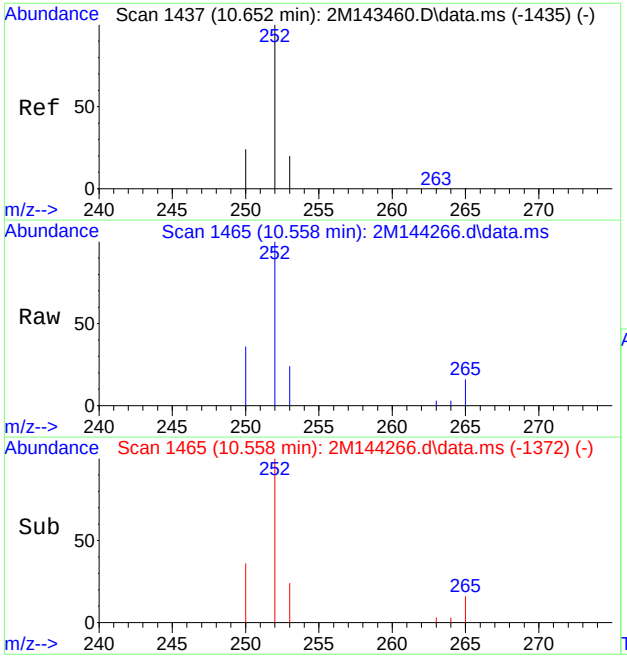


#30
Benzo[b]fluoranthene
Concen: 21.7874 ppb
RT: 10.531 min Scan# 1460
Delta R.T. -0.000 min
Lab File: 2M144266.d
Acq: 18 Oct 2025 10:00 pm

Tgt Ion:252 Resp: 3234

Ion	Ratio	Lower	Upper
252	100		
253	19.7	0.0	49.6
250	23.8	0.0	56.2

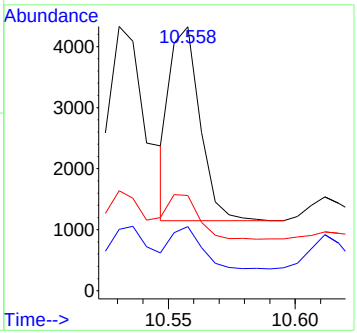


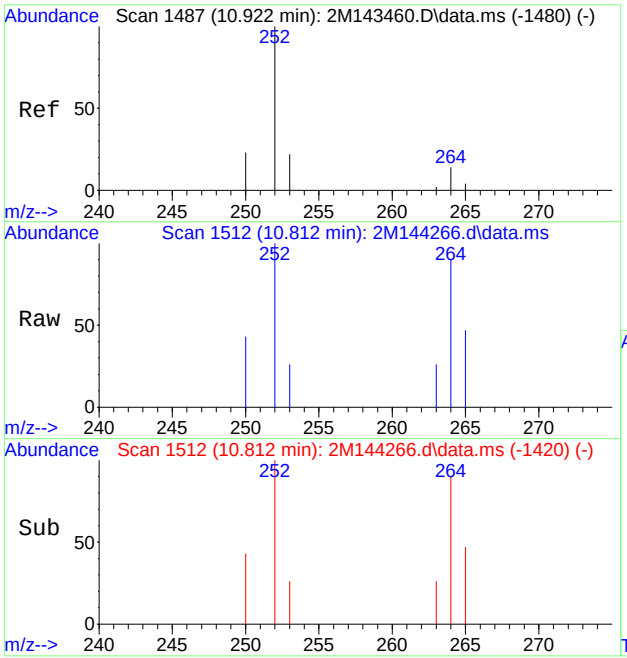


#31
Benzo[k]fluoranthene
Concen: 16.4603 ppb
RT: 10.558 min Scan# 1465
Delta R.T. -0.000 min
Lab File: 2M144266.d
Acq: 18 Oct 2025 10:00 pm

Tgt Ion:252 Resp: 2600

Ion	Ratio	Lower	Upper
252	100		
253	21.5	0.0	51.9
250	21.1	0.0	52.6

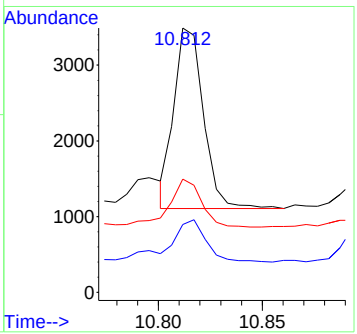


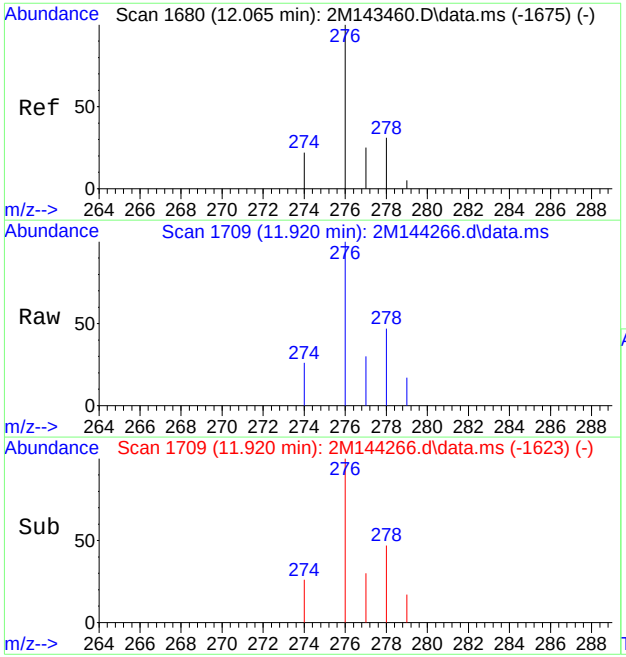


#32
Benzo[a]pyrene
Concen: 14.2840 ppb
RT: 10.812 min Scan# 1512
Delta R.T. -0.005 min
Lab File: 2M144266.d
Acq: 18 Oct 2025 10:00 pm

Tgt Ion:252 Resp: 2360

Ion	Ratio	Lower	Upper
252	100		
253	19.5	0.0	52.3
250	25.8	0.0	53.7

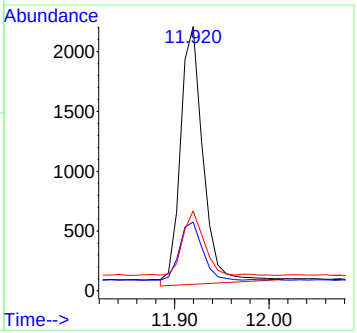


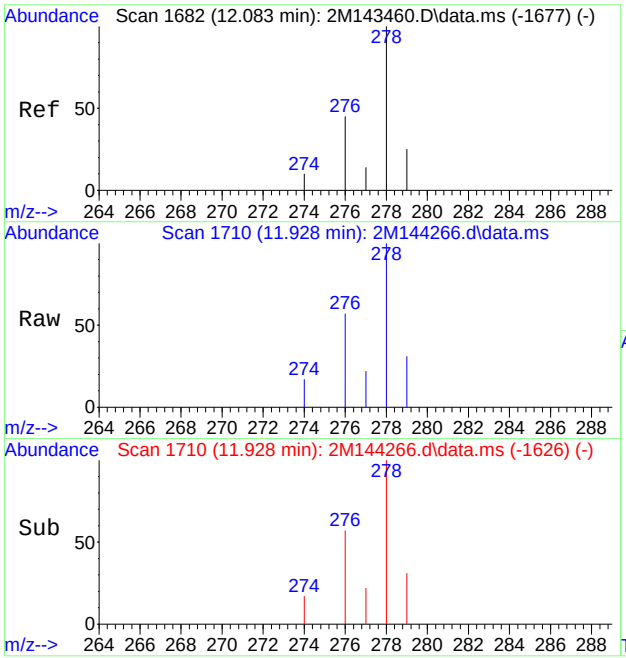


#33
Indeno[1,2,3-cd]pyrene
Concen: 16.8551 ppb
RT: 11.920 min Scan# 1709
Delta R.T. 0.009 min
Lab File: 2M144266.d
Acq: 18 Oct 2025 10:00 pm

Tgt Ion:276 Resp: 3593

Ion	Ratio	Lower	Upper
276	100		
274	23.0	0.0	53.8
277	25.4	0.0	52.0

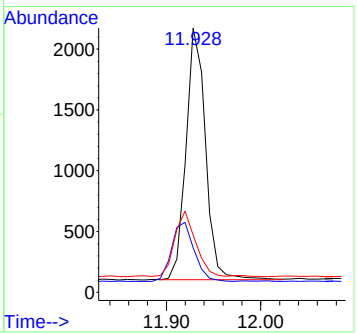


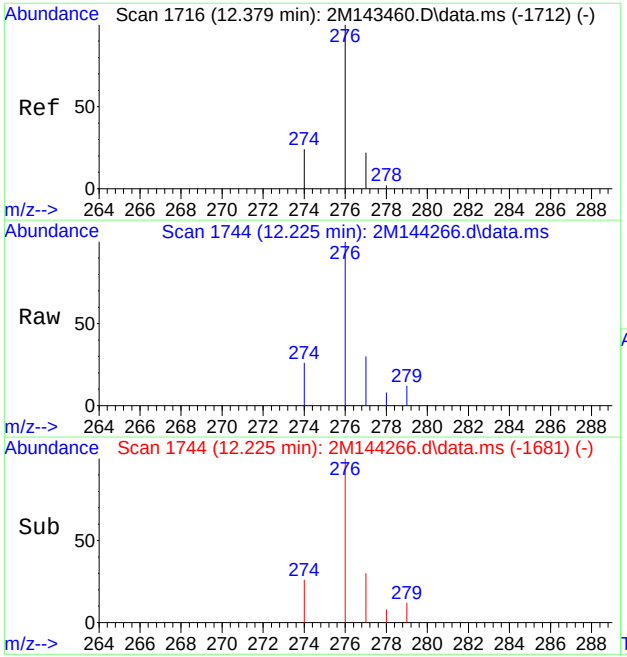


#34
Dibenz[a,h]anthracene
Concen: 17.6467 ppb
RT: 11.928 min Scan# 1710
Delta R.T. -0.000 min
Lab File: 2M144266.d
Acq: 18 Oct 2025 10:00 pm

Tgt Ion:278 Resp: 2985

Ion	Ratio	Lower	Upper
278	100		
274	12.8	0.0	42.6
277	16.1	0.0	46.3

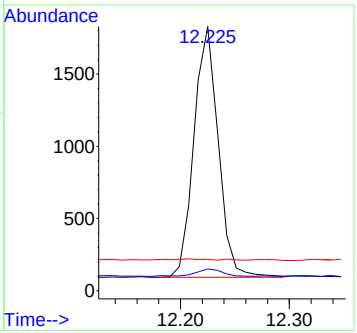




#35
Benzo[g,h,i]perylene
Concen: 15.2556 ppb
RT: 12.225 min Scan# 1744
Delta R.T. -0.000 min
Lab File: 2M144266.d
Acq: 18 Oct 2025 10:00 pm

Tgt Ion:276 Resp: 2694

Ion	Ratio	Lower	Upper
276	100		
278	2.8	0.0	32.9
279	0.2	0.0	30.2



Manual Integration Approval Summary

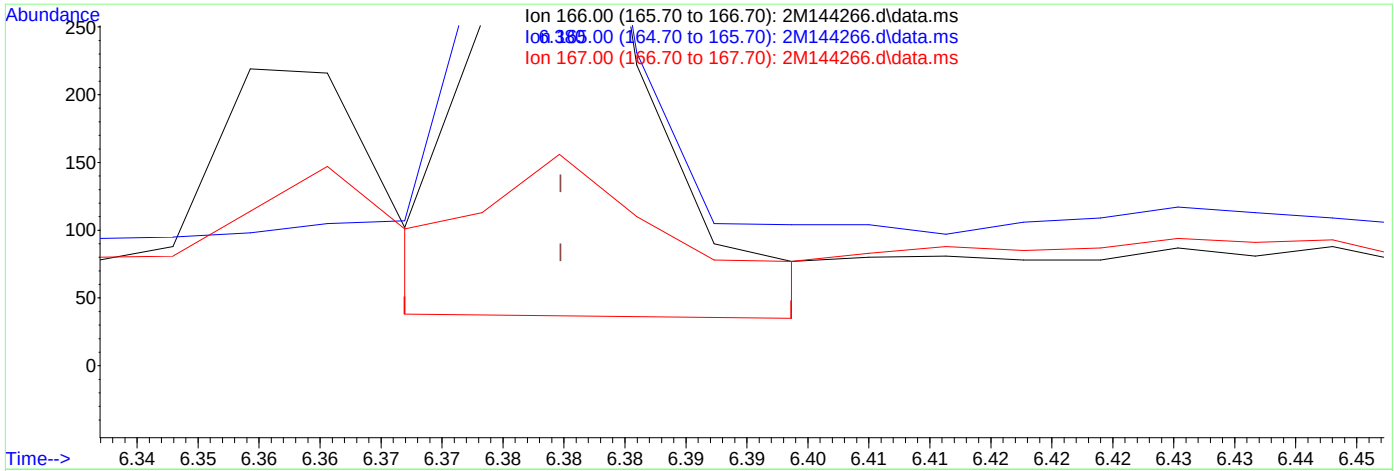
Sample Number: JE21034-8
Lab FileID: 2M144266.D
Injection Time: 10/18/25 22:00
Method: SW846 8270E BY SIM
Analyst approved: 10/19/25 02:32 Anthony Torre
Supervisor approved: 10/26/25 21:33 Jon Kreigmor Mamanta

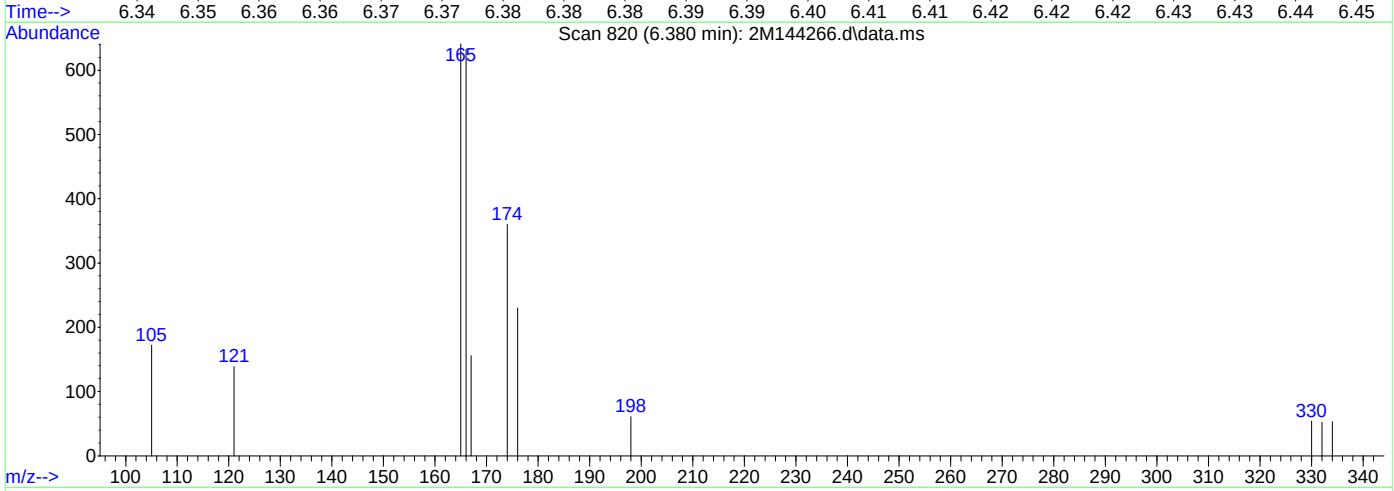
Parameter	CAS	Sig#	R.T. (min.)	Reason
Fluorene	86-73-7		6.38	Poor instrument integration
Hexachlorobenzene	118-74-1		6.81	Poor instrument integration
Fluoranthene	206-44-0		8.20	Poor instrument integration
Benzo(a)anthracene	56-55-3		9.55	Poor instrument integration
Chrysene	218-01-9		9.59	Poor instrument integration

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\anthonyt\10-19-25\e2m6525\
Data File : 2M144266.d
Acq On : 18 Oct 2025 10:00 pm
Operator : rocquans
Sample : je21034-8 Inst : GCMS2M
Misc : op68166a,E2M6525,250,,,1,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Oct 19 13:32:04 2025
Quant Method : X:\Dayton SVOA GCMS\anthonyt\methods\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sun Oct 19 13:14:24 2025
Response via : Initial Calibration





TIC: 2M144266.d\data.ms

(16) Fluorene (t)

6.380min (-0.000) 6.22ppb

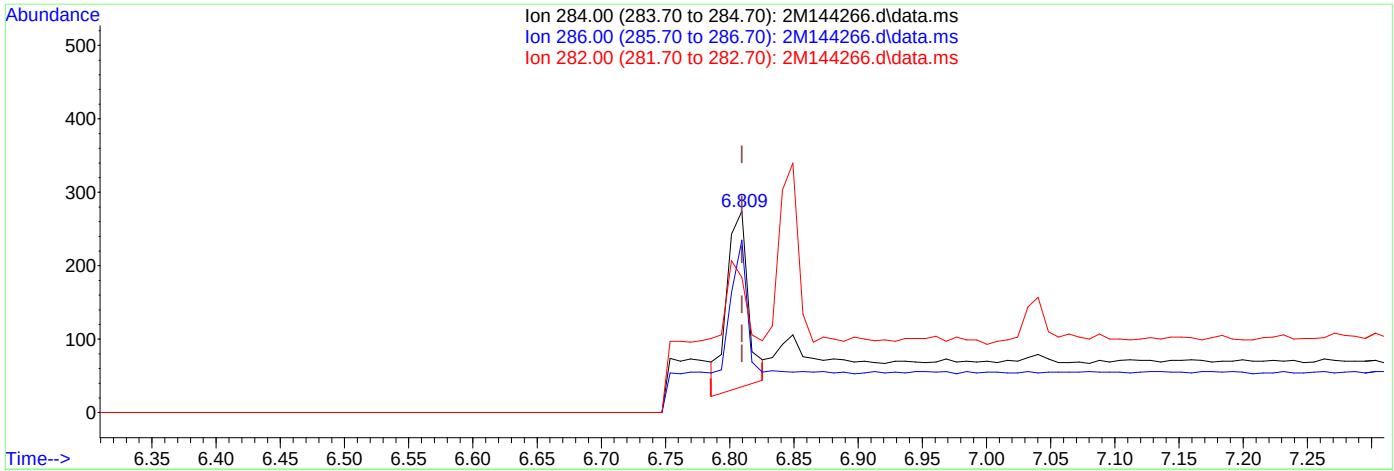
response 417

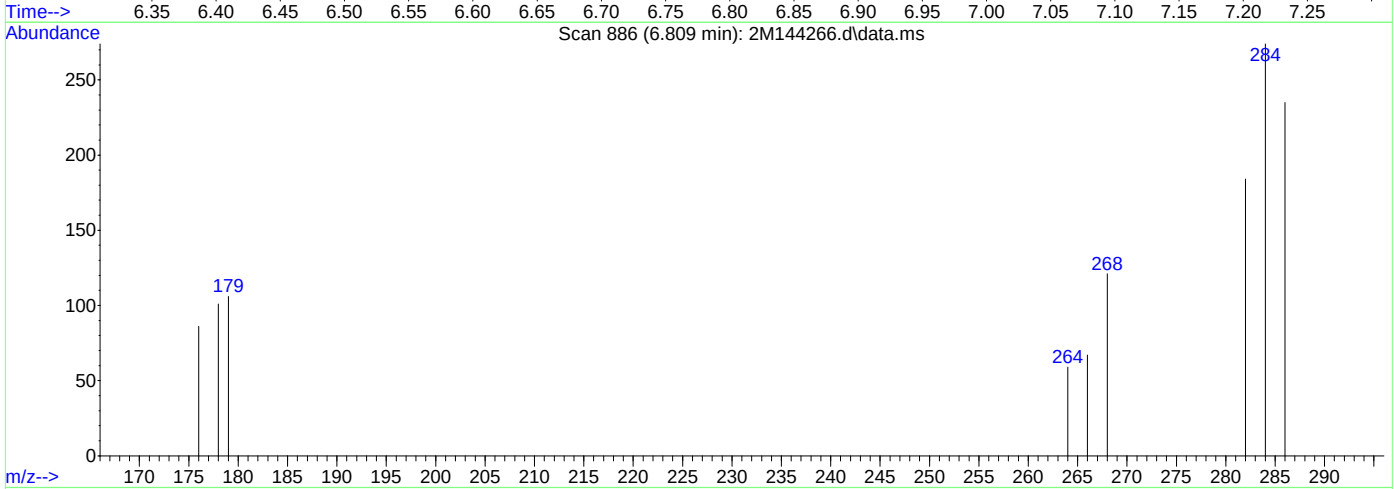
Ion	Exp%	Act%
166.00	100	100
165.00	108.30	98.53
167.00	12.90	12.33
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\anthonyt\10-19-25\e2m6525\
Data File : 2M144266.d
Acq On : 18 Oct 2025 10:00 pm
Operator : rocquans
Sample : je21034-8 Inst : GCMS2M
Misc : op68166a,E2M6525,250,,,1,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Oct 19 13:32:04 2025
Quant Method : X:\Dayton SVOA GCMS\anthonyt\methods\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sun Oct 19 13:14:24 2025
Response via : Initial Calibration





TIC: 2M144266.d\data.ms

(20) Hexachlorobenzene (t)

6.809min (-0.000) 10.39ppb

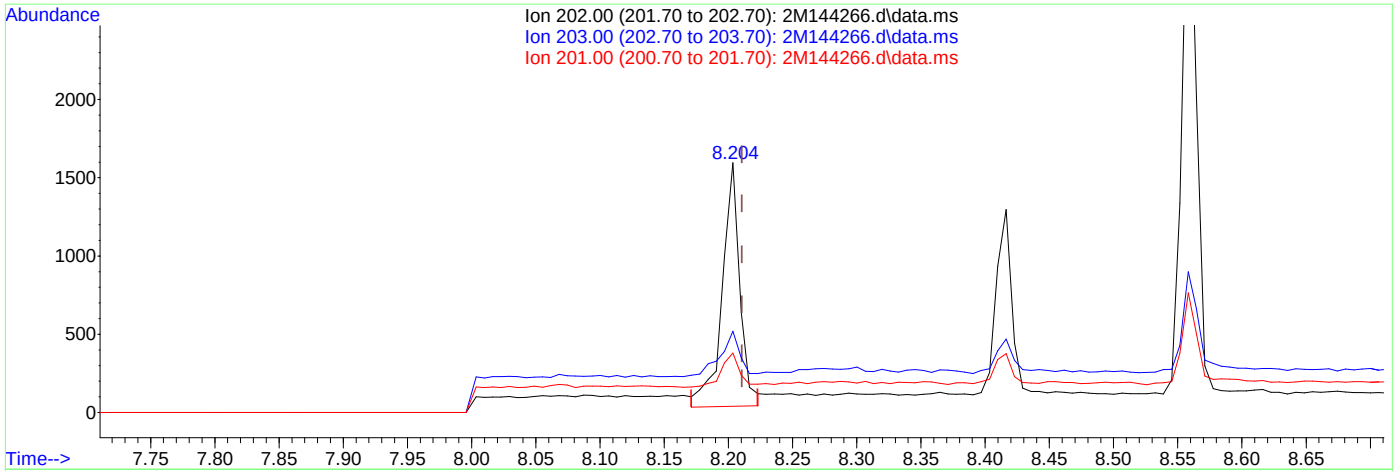
response 280

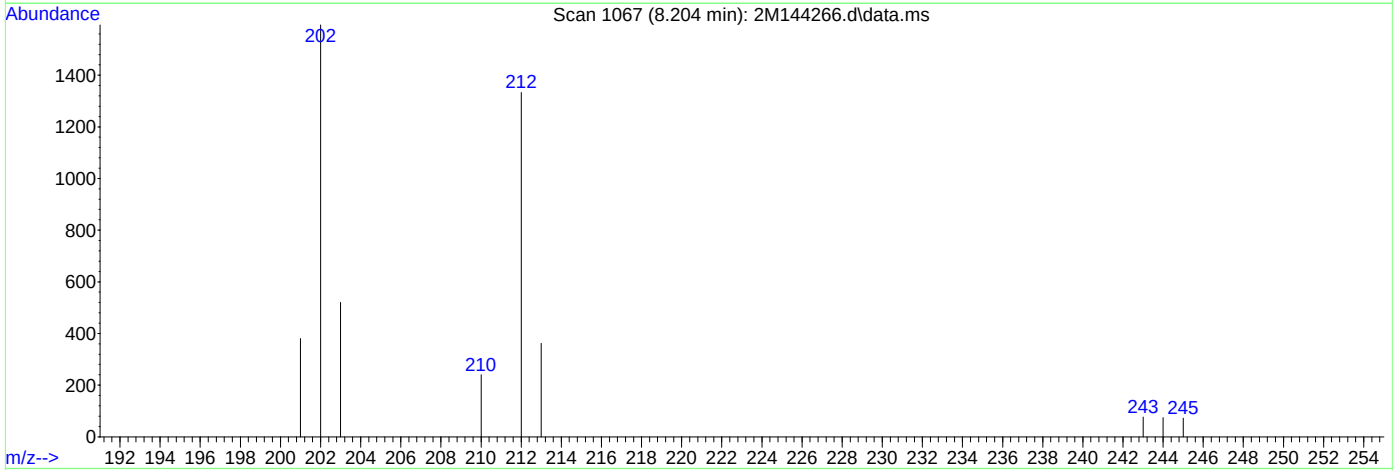
Ion	Exp%	Act%
284.00	100	100
286.00	81.50	88.70
282.00	49.20	41.52
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\anthonyt\raw\
Data File : 2M144266.d
Acq On : 18 Oct 2025 10:00 pm
Operator : rocquans
Sample : je21034-8 Inst : GCMS2M
Misc : op68166a,E2M6525,250,,,1,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Oct 19 14:31:56 2025
Quant Method : X:\Dayton SVOA GCMS\anthonyt\methods\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sun Oct 19 13:14:24 2025
Response via : Initial Calibration





TIC: 2M144266.d\data.ms

(24) Fluoranthene (t)

8.204min (-0.007) 10.11ppb

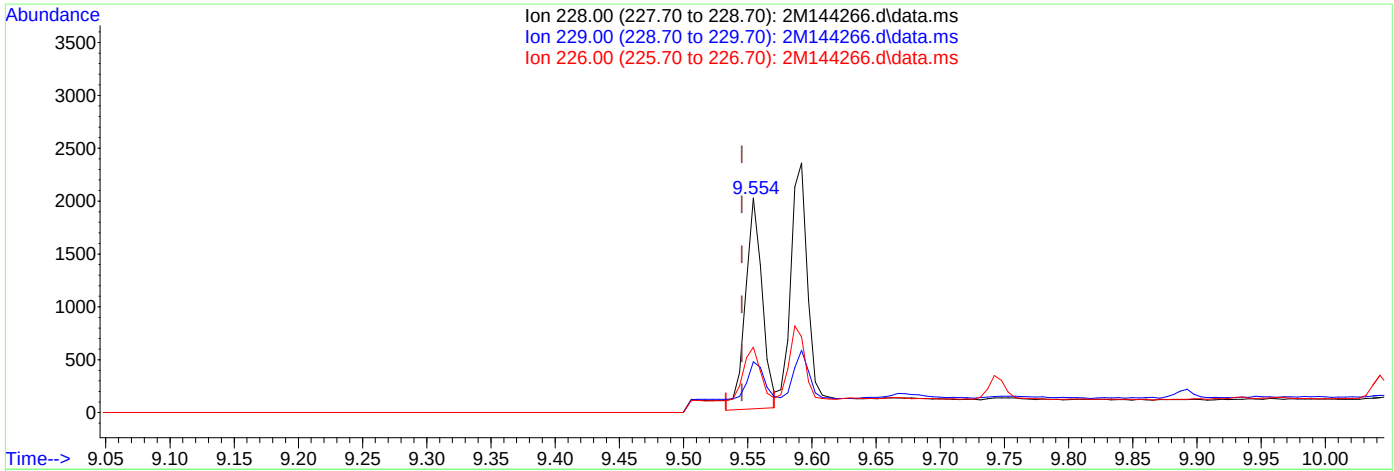
response 1479

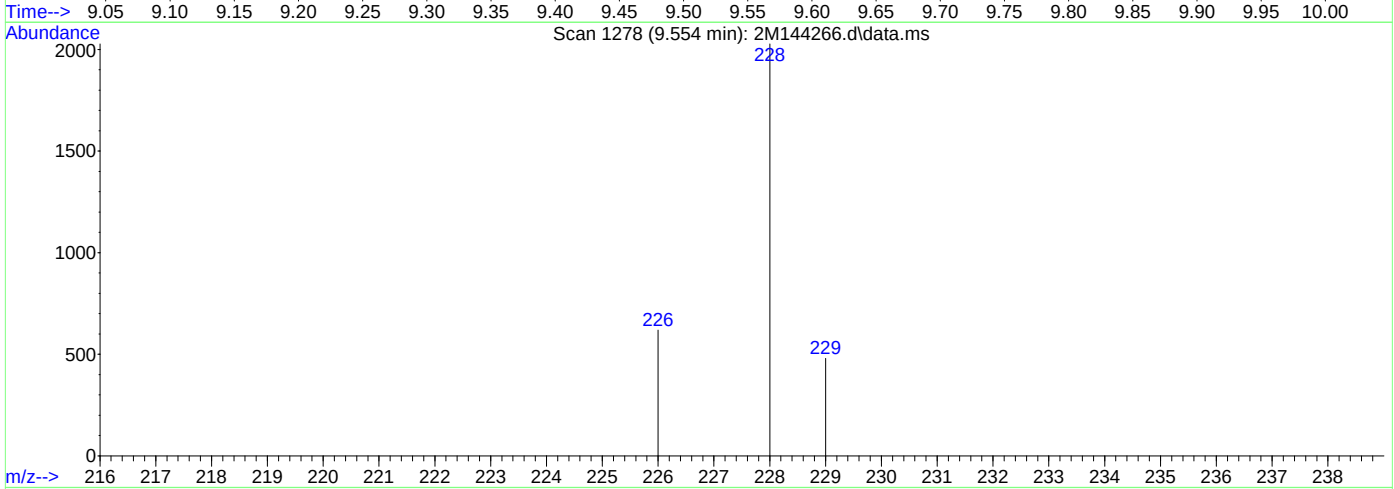
Ion	Exp%	Act%
202.00	100	100
203.00	17.90	18.56
201.00	13.20	13.98
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\anthonyt\raw\
Data File : 2M144266.d
Acq On : 18 Oct 2025 10:00 pm
Operator : rocquans
Sample : je21034-8 Inst : GCMS2M
Misc : op68166a,E2M6525,250,,,1,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Oct 19 14:31:56 2025
Quant Method : X:\Dayton SVOA GCMS\anthonyt\methods\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sun Oct 19 13:14:24 2025
Response via : Initial Calibration





TIC: 2M144266.d\data.ms

(27) Benzo[a]anthracene (t)

9.554min (+0.009) 17.60ppb

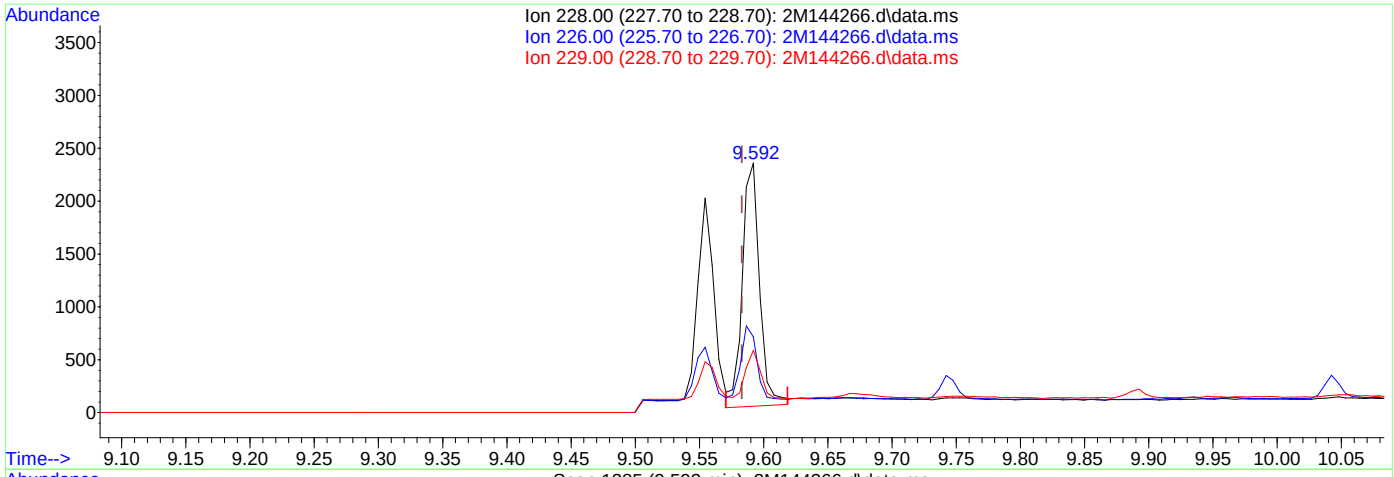
response 1812

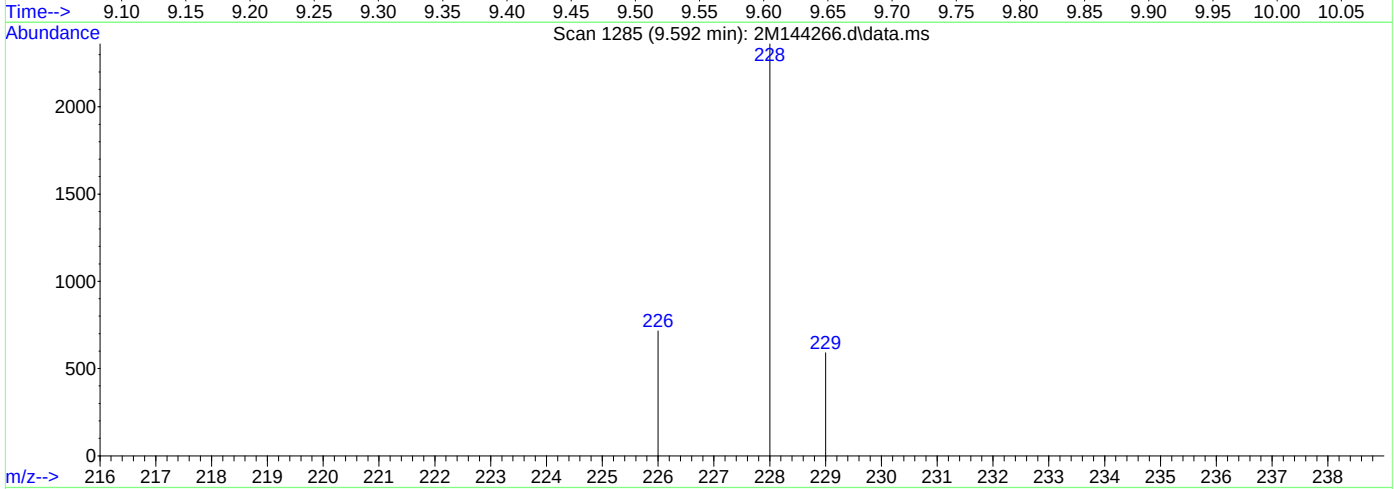
Ion	Exp%	Act%
228.00	100	100
229.00	18.40	18.19
226.00	26.50	26.35
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\anthonyt\raw\
Data File : 2M144266.d
Acq On : 18 Oct 2025 10:00 pm
Operator : rocquans
Sample : je21034-8 Inst : GCMS2M
Misc : op68166a,E2M6525,250,,,1,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Oct 19 14:31:56 2025
Quant Method : X:\Dayton SVOA GCMS\anthonyt\methods\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sun Oct 19 13:14:24 2025
Response via : Initial Calibration





TIC: 2M144266.d\data.ms

(28) Chrysene (t)

9.592min (+0.009) 16.37ppb

response 2133

Ion	Exp%	Act%
228.00	100	100
226.00	25.90	26.55
229.00	20.50	20.39
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Jon Kreigmor Mamanta 10/26/25 21:34

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\nerirose\ecs475\
Data File : cs9265.D
Acq On : 24 Oct 2025 10:11 pm
Operator : alejanda
Sample : je21034-8 Inst : GCMS_CS
Misc : op68406a,ecs475,250,,,1,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 26 18:46:47 2025
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Sun Oct 26 17:18:53 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1-Methylnaphthalene-d10	8.869	150	53388	800.00	ppb		0.00
11) Fluorene-d10	10.165	176	65641	800.00	ppb		0.00
18) Fluoranthene-d10	12.718	212	93163	800.00	ppb		0.00
28) Benzo(a)pyrene-d12	16.793	264	45143	800.00	ppb		0.00
System Monitoring Compounds							
3) 2-Fluorophenol	6.065	112	318935	6234.70	ppb		0.00
Spiked Amount 10000.000			Recovery =	62.35%			
4) Phenol-d5	7.013	99	268776	4449.73	ppb		0.00
Spiked Amount 10000.000			Recovery =	44.50%			
6) Nitrobenzene-d5	7.687	82	427112	8569.27	ppb		0.00
Spiked Amount 10000.000			Recovery =	85.69%			
12) 2-Fluorobiphenyl	9.122	172	890296	8367.57	ppb		0.00
Spiked Amount 10000.000			Recovery =	83.68%			
17) 2,4,6-Tribromophenol	10.456	330	118705	10874.39	ppb		0.00
Spiked Amount 10000.000			Recovery =	108.74%			
25) Terphenyl-d14	13.325	244	596246	8921.86	ppb		0.00
Spiked Amount 10000.000			Recovery =	89.22%			
Target Compounds							Qvalue
7) Naphthalene	8.269	128	2050	10.6975	ppb		98
9) 2-Methylnaphthalene	8.814	141	551	5.1774	ppb		95
10) 1-Methylnaphthalene	8.898	141	387	3.8220	ppb		92
13) Acenaphthylene	9.564	152	178	1.1095	ppb		98
14) Acenaphthene	9.721	153	215	1.9259	ppb		99
15) Fluorene	10.195	166	268	2.1029	ppb	#	62
21) Phenanthrene	11.220	178	765	4.6297	ppb		86
22) Anthracene	11.278	178	488m	3.2029	ppb		
23) Fluoranthene	12.746	202	567m	3.2690	ppb		
24) Pyrene	13.054	202	554	3.1438	ppb		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

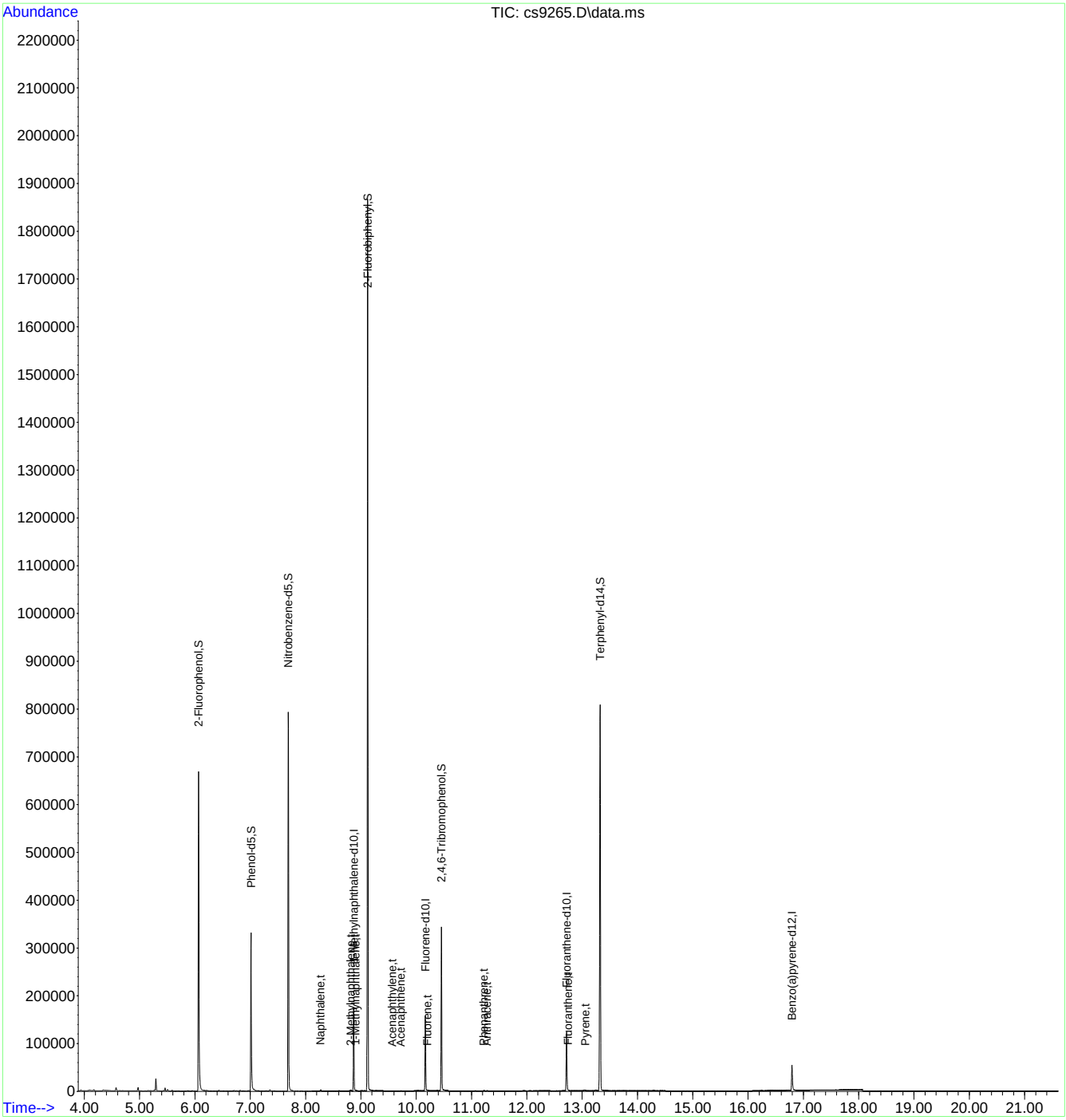
9.1.8

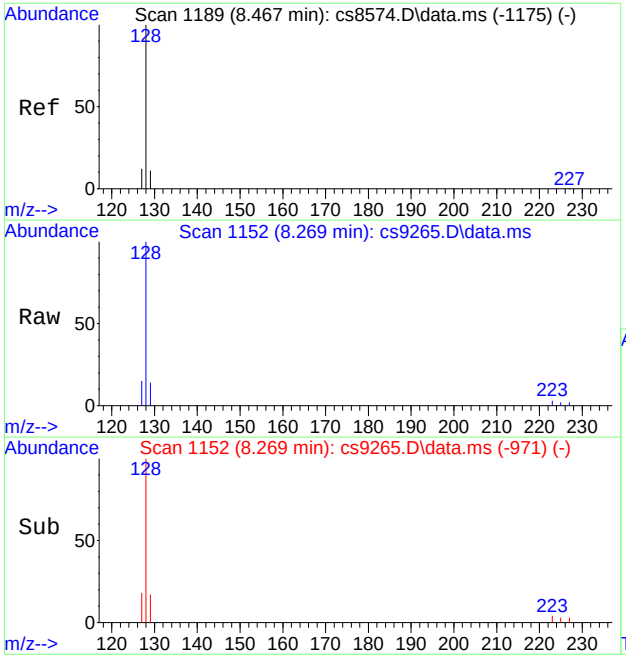
9

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\nerirose\ecs475\
Data File : cs9265.D
Acq On : 24 Oct 2025 10:11 pm
Operator : alejanda
Sample : je21034-8 Inst : GCMS_CS
Misc : op68406a,ecs475,250,,,1,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 26 18:46:47 2025
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Sun Oct 26 17:18:53 2025
Response via : Initial Calibration

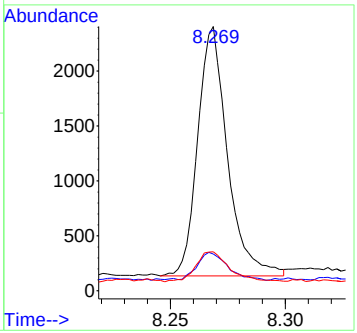


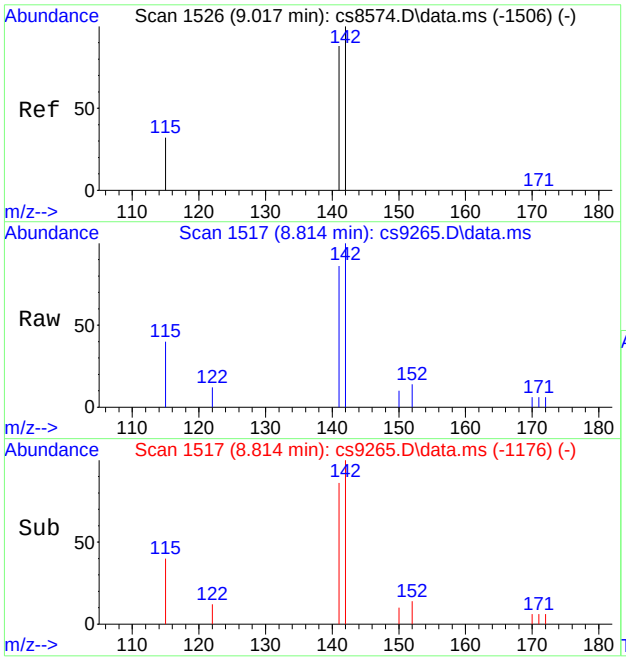


#7
Naphthalene
Concen: 10.6975 ppb
RT: 8.269 min Scan# 1152
Delta R.T. 0.002 min
Lab File: cs9265.D
Acq: 24 Oct 2025 10:11 pm

Tgt Ion:128 Resp: 2050

Ion	Ratio	Lower	Upper
128	100		
129	10.2	0.0	40.8
127	11.8	0.0	42.6

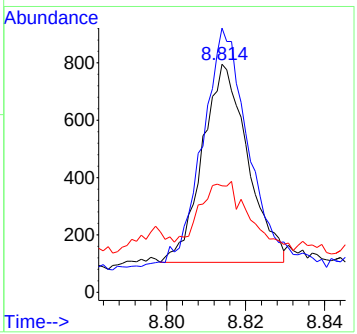


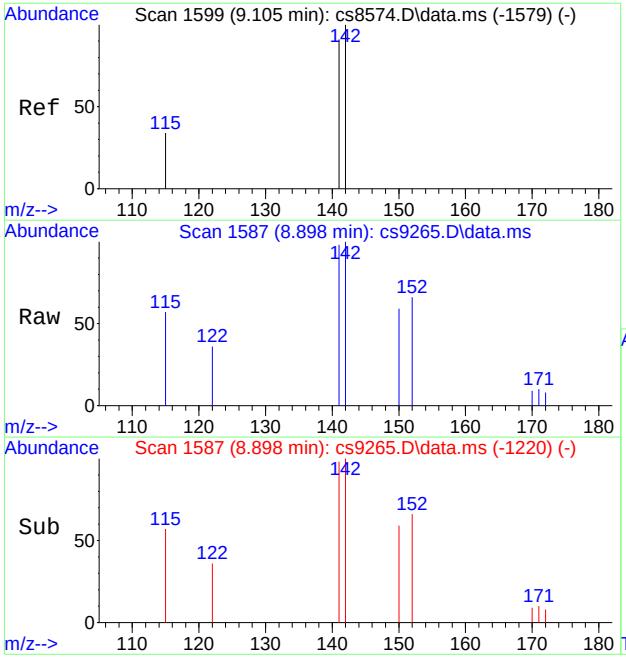


#9
2-Methylnaphthalene
Concen: 5.1774 ppb
RT: 8.814 min Scan# 1517
Delta R.T. -0.000 min
Lab File: cs9265.D
Acq: 24 Oct 2025 10:11 pm

Tgt Ion:141 Resp: 551

Ion	Ratio	Lower	Upper
141	100		
142	116.5	84.8	144.8
115	27.1	5.6	65.6

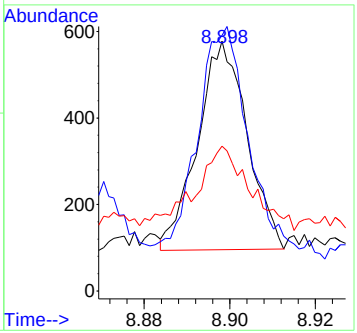


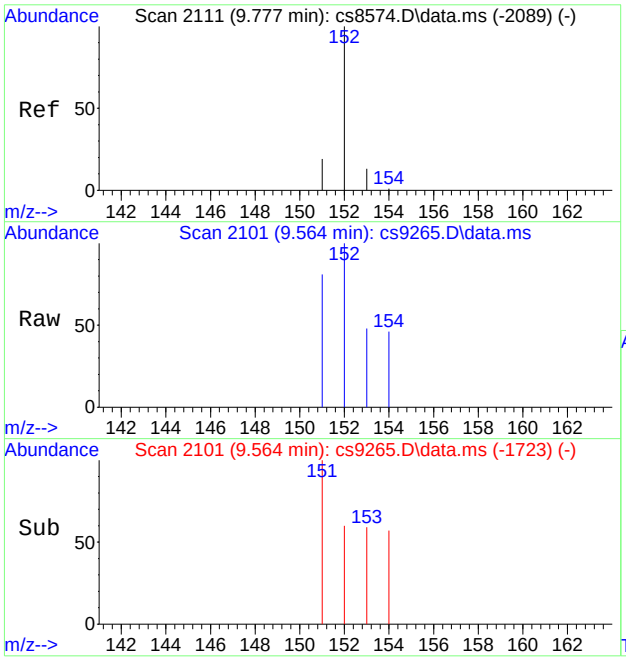


#10
1-Methylnaphthalene
Concen: 3.8220 ppb
RT: 8.898 min Scan# 1587
Delta R.T. -0.000 min
Lab File: cs9265.D
Acq: 24 Oct 2025 10:11 pm

Tgt Ion:141 Resp: 387

Ion	Ratio	Lower	Upper
141	100		
142	100.2	80.5	140.5
115	34.9	6.7	66.7

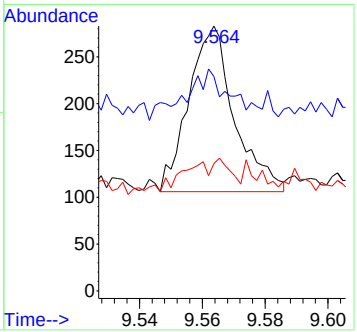




#13
Acenaphthylene
Concen: 1.1095 ppb
RT: 9.564 min Scan# 2101
Delta R.T. 0.002 min
Lab File: cs9265.D
Acq: 24 Oct 2025 10:11 pm

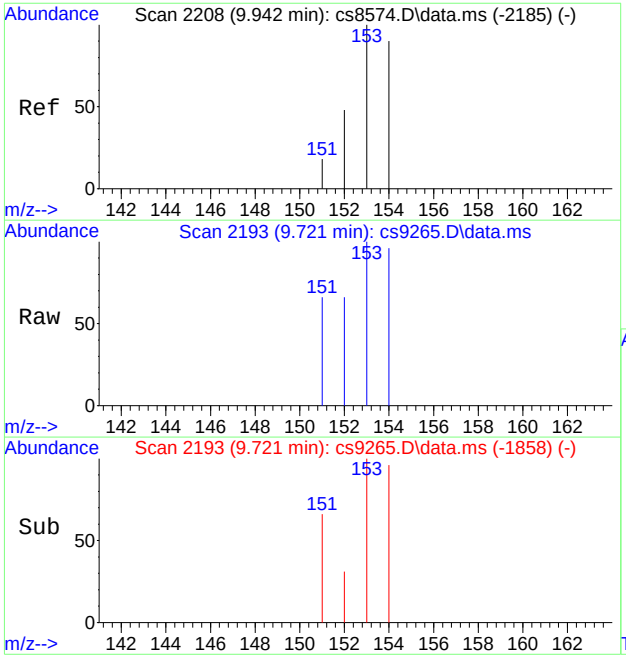
Tgt Ion:152 Resp: 178

Ion	Ratio	Lower	Upper
152	100		
151	18.3	0.0	49.1
153	14.2	0.0	42.9



9.1.8

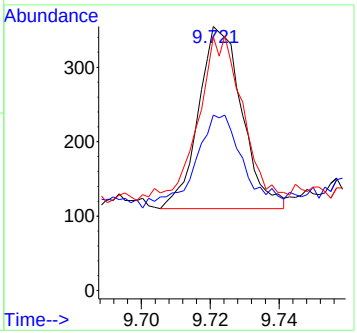
9

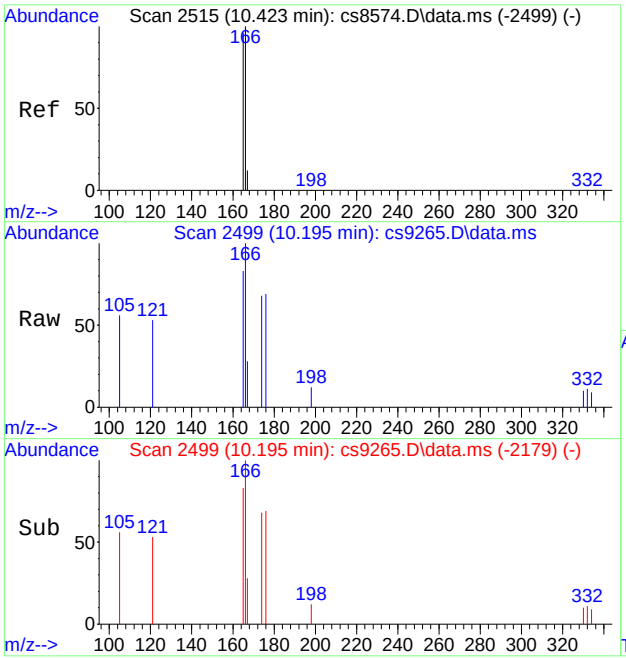


#14
Acenaphthene
Concen: 1.9259 ppb
RT: 9.721 min Scan# 2193
Delta R.T. -0.004 min
Lab File: cs9265.D
Acq: 24 Oct 2025 10:11 pm

Tgt Ion:153 Resp: 215

Ion	Ratio	Lower	Upper
153	100		
152	46.8	17.1	77.1
154	88.0	59.9	119.9

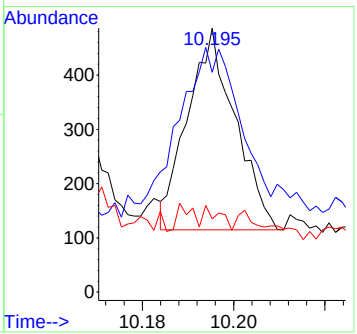


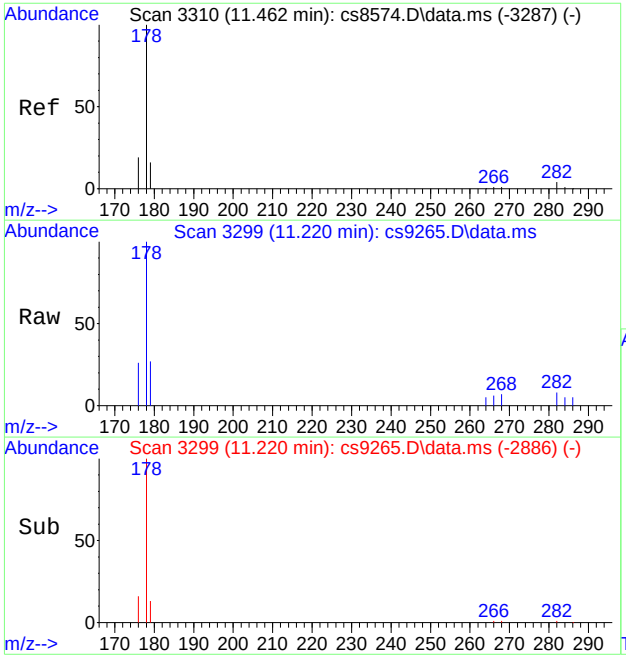


#15
Fluorene
Concen: 2.1029 ppb
RT: 10.195 min Scan# 2499
Delta R.T. -0.002 min
Lab File: cs9265.D
Acq: 24 Oct 2025 10:11 pm

Tgt Ion:166 Resp: 268

Ion	Ratio	Lower	Upper
166	100		
165	57.7	65.4	125.4#
167	0.6	0.0	43.4

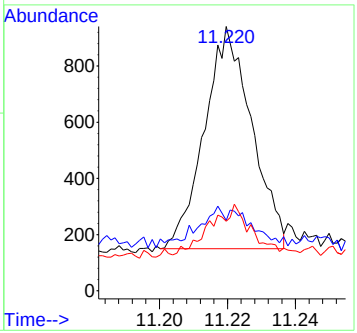


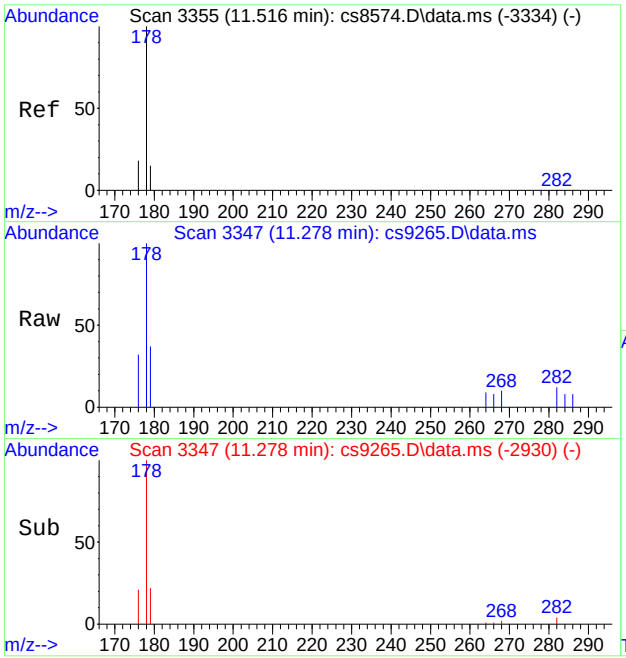


#21
Phenanthrene
Concen: 4.6297 ppb
RT: 11.220 min Scan# 3299
Delta R.T. -0.000 min
Lab File: cs9265.D
Acq: 24 Oct 2025 10:11 pm

Tgt Ion:178 Resp: 765

Ion	Ratio	Lower	Upper
178	100		
179	8.1	0.0	45.5
176	14.1	0.0	48.8

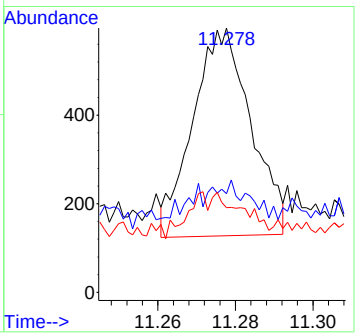


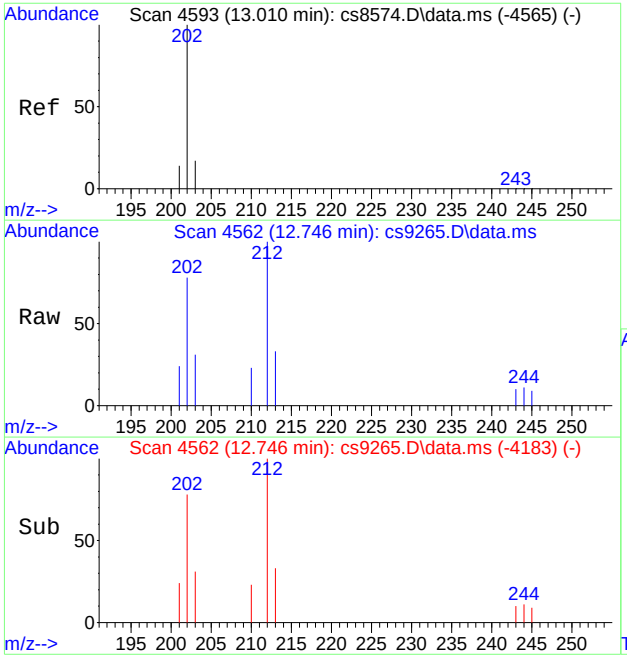


#22
Anthracene
Concen: 3.2029 ppb m
RT: 11.278 min Scan# 3347
Delta R.T. 0.005 min
Lab File: cs9265.D
Acq: 24 Oct 2025 10:11 pm

Tgt Ion:178 Resp: 488

Ion	Ratio	Lower	Upper
178	100		
179	37.4	0.0	45.1
176	32.0	0.0	49.1

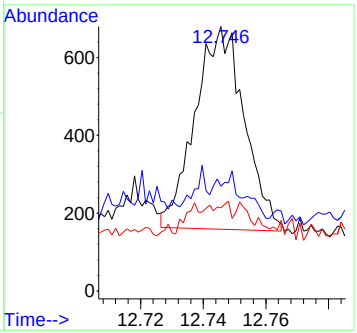


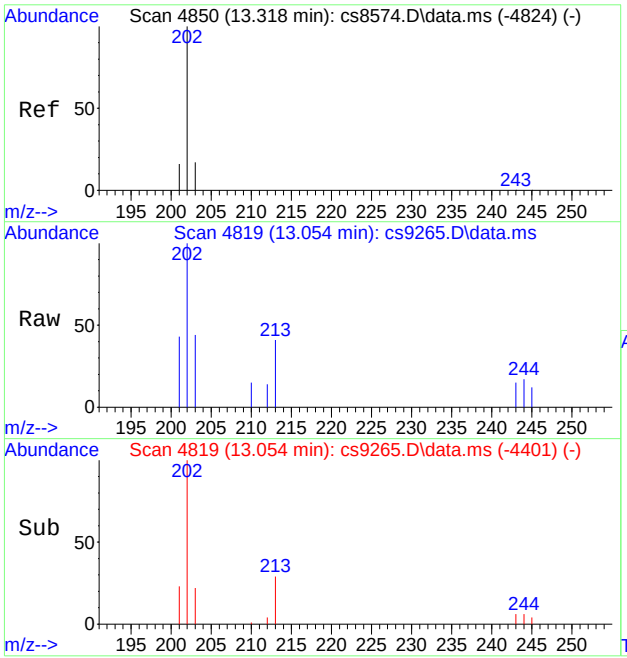


#23
Fluoranthene
Concen: 3.2690 ppb m
RT: 12.746 min Scan# 4562
Delta R.T. -0.004 min
Lab File: cs9265.D
Acq: 24 Oct 2025 10:11 pm

Tgt Ion:202 Resp: 567

Ion	Ratio	Lower	Upper
202	100		
203	39.6	0.0	46.9
201	31.5	0.0	44.0

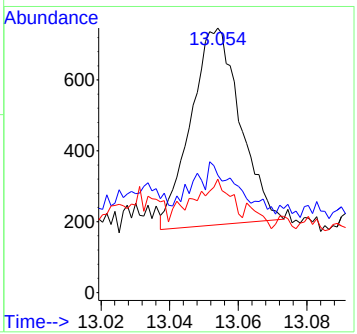




#24
Pyrene
Concen: 3.1438 ppb
RT: 13.054 min Scan# 4819
Delta R.T. 0.001 min
Lab File: cs9265.D
Acq: 24 Oct 2025 10:11 pm

Tgt Ion:202 Resp: 554

Ion	Ratio	Lower	Upper
202	100		
203	15.0	0.0	47.0
201	15.8	0.0	46.7



Manual Integration Approval Summary

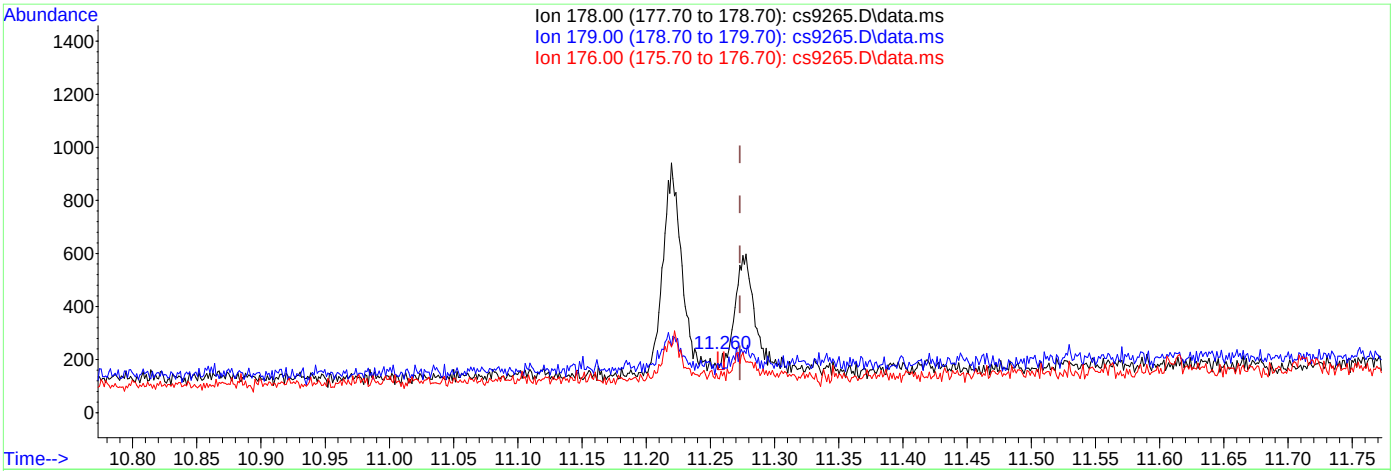
Sample Number: JE21034-8
Lab FileID: CS9265.D
Injection Time: 10/24/25 22:11
Method: SW846 8270E BY SIM
Analyst approved: 10/26/25 07:01 NeriRose Cuevas
Supervisor approved: 10/26/25 21:34 Jon Kreigmor Mamanta

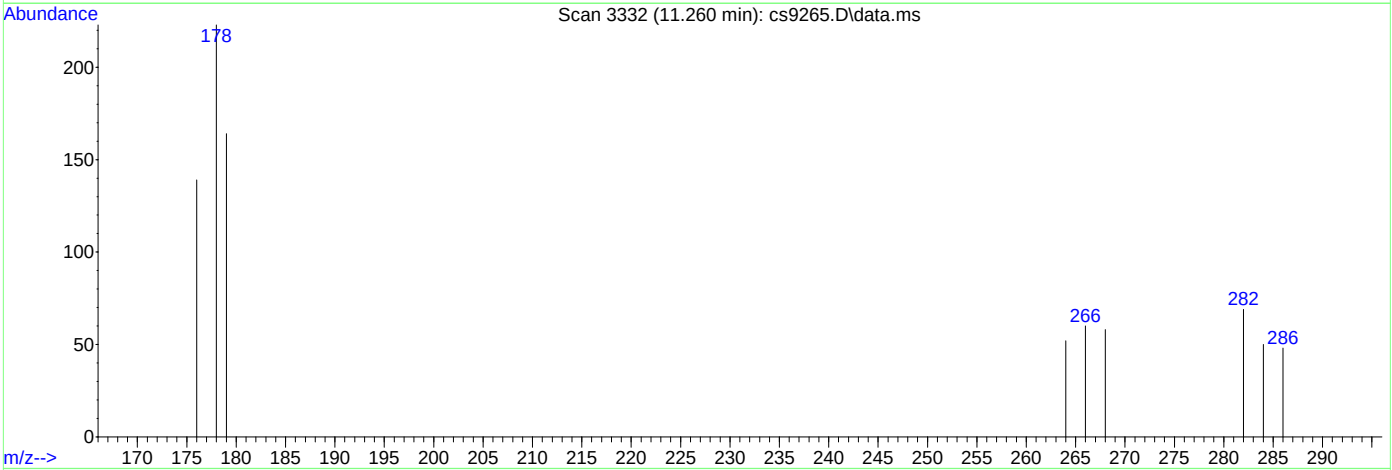
Parameter	CAS	Sig#	R.T. (min.)	Reason
Anthracene	120-12-7		11.28	Poor instrument integration
Fluoranthene	206-44-0		12.75	Poor instrument integration

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\nerirose\ecs475\
Data File : cs9265.D
Acq On : 24 Oct 2025 10:11 pm
Operator : alejanda
Sample : je21034-8 Inst : GCMS_CS
Misc : op68406a,ecs475,250,,,1,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 26 17:23:50 2025
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Sun Oct 26 17:18:53 2025
Response via : Initial Calibration





TIC: cs9265.D\data.ms

(22) Anthracene (t)

11.260min (-0.013) 0.07ppb

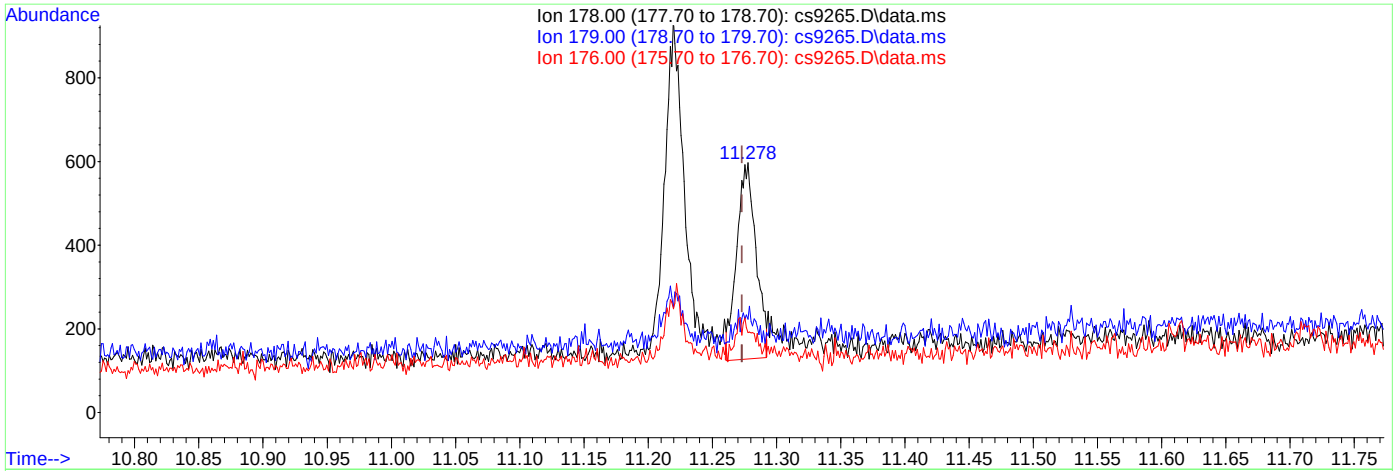
response 10

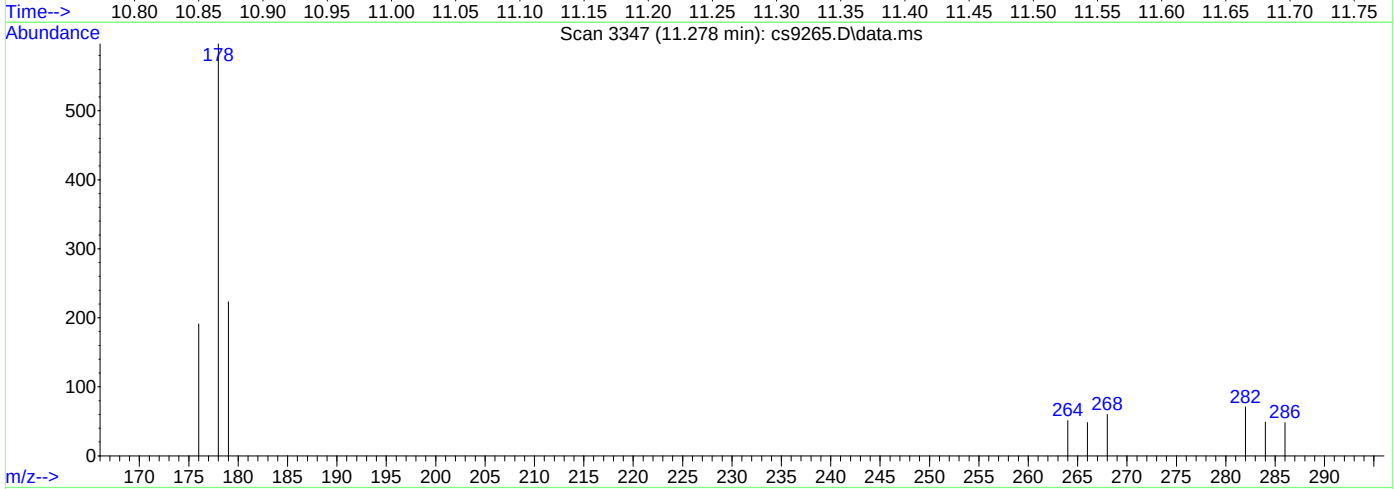
Ion	Exp%	Act%
178.00	100	100
179.00	15.10	0.00
176.00	19.10	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\nerirose\ecs475\
Data File : cs9265.D
Acq On : 24 Oct 2025 10:11 pm
Operator : alejanda
Sample : je21034-8 Inst : GCMS_CS
Misc : op68406a,ecs475,250,,,1,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 26 17:23:50 2025
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Sun Oct 26 17:18:53 2025
Response via : Initial Calibration





TIC: cs9265.D\data.ms

(22) Anthracene (t)

11.278min (+0.005) 3.20ppb m

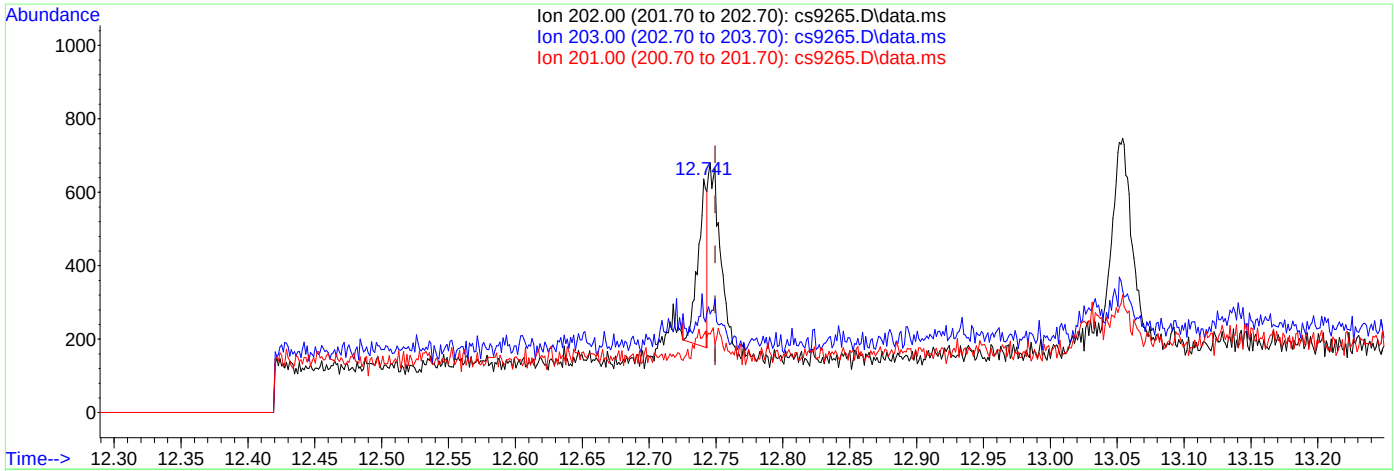
response 488

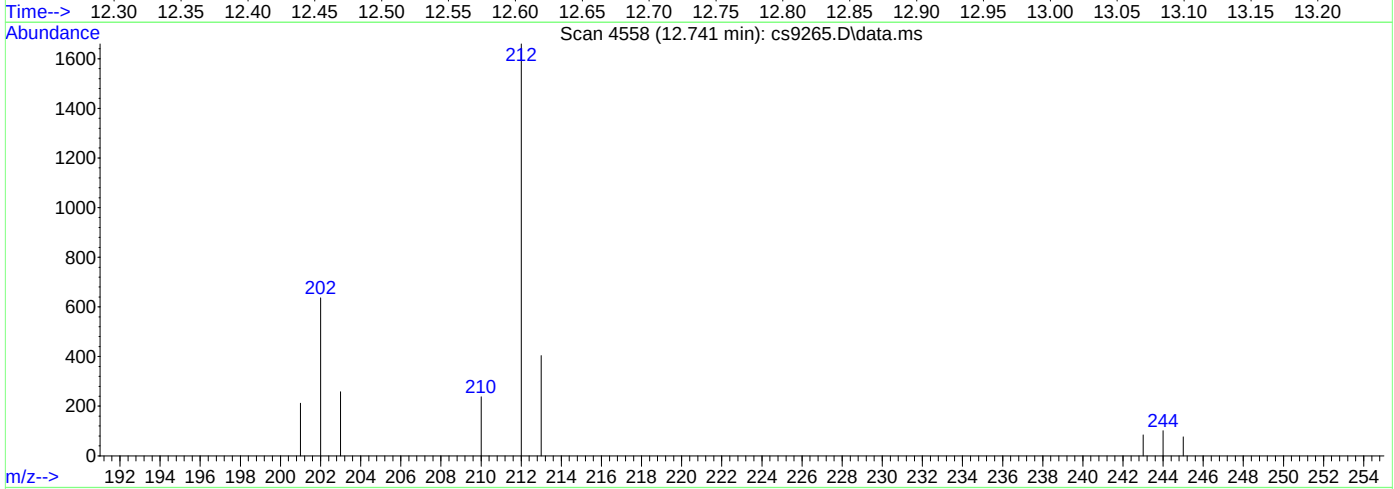
Ion	Exp%	Act%
178.00	100	100
179.00	15.10	37.35
176.00	19.10	31.99
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\nerirose\ecs475\
Data File : cs9265.D
Acq On : 24 Oct 2025 10:11 pm
Operator : alejanda
Sample : je21034-8 Inst : GCMS_CS
Misc : op68406a,ecs475,250,,,1,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 26 17:23:50 2025
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Sun Oct 26 17:18:53 2025
Response via : Initial Calibration





TIC: cs9265.D\data.ms

(23) Fluoranthene (t)

12.741min (-0.008) 1.23ppb

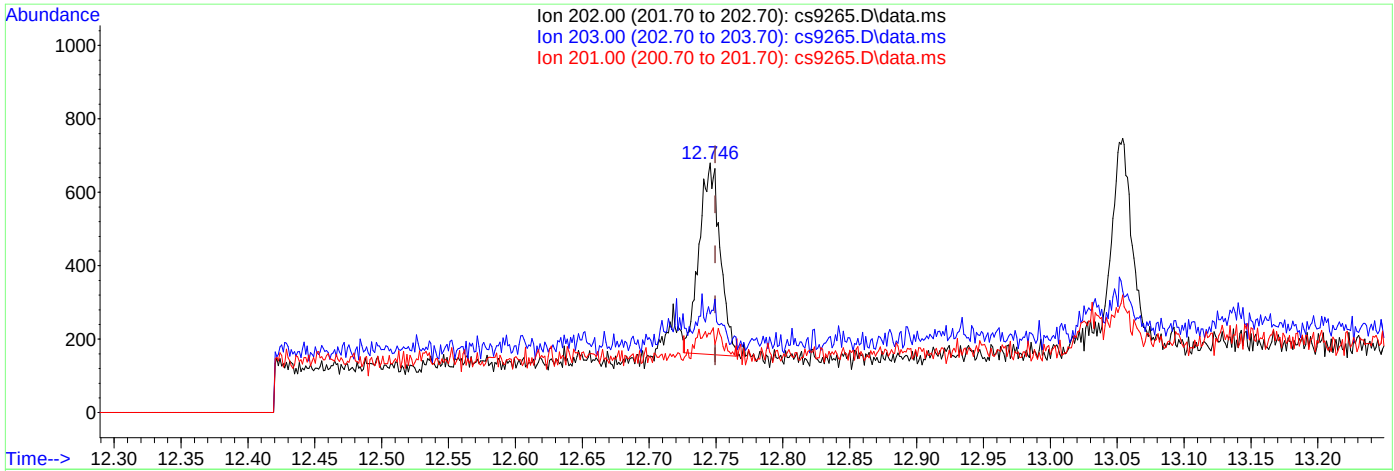
response 213

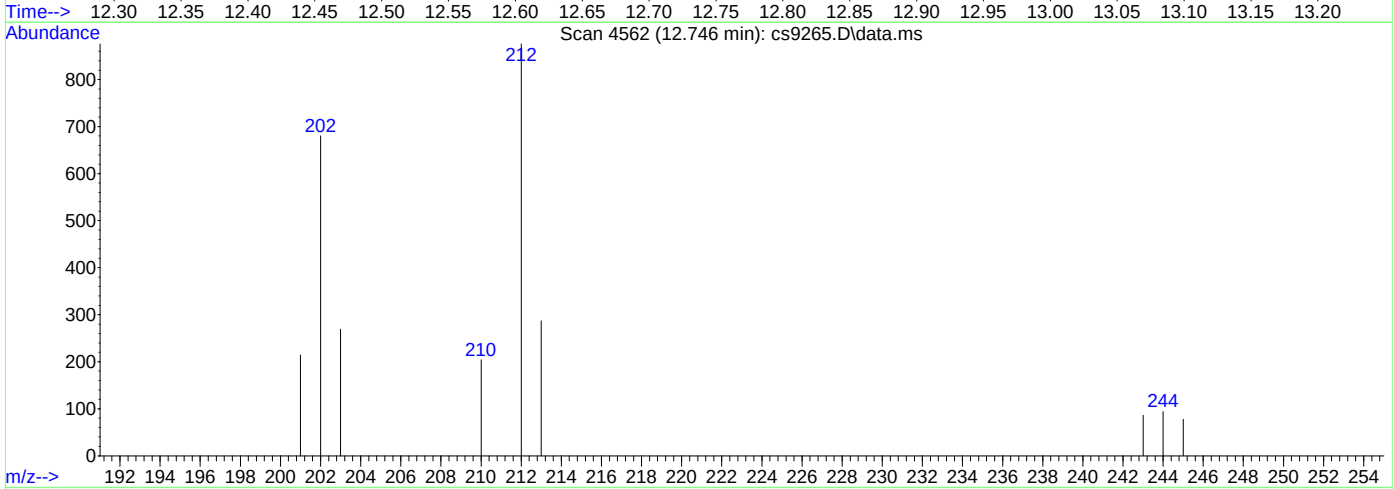
Ion	Exp%	Act%
202.00	100	100
203.00	16.90	0.00
201.00	14.00	16.10
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\nerirose\ecs475\
Data File : cs9265.D
Acq On : 24 Oct 2025 10:11 pm
Operator : alejanda
Sample : je21034-8 Inst : GCMS_CS
Misc : op68406a,ecs475,250,,,1,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 26 17:23:50 2025
Quant Method : X:\Dayton SVOA GCMS\nerirose\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Sun Oct 26 17:18:53 2025
Response via : Initial Calibration





TIC: cs9265.D\data.ms

(23) Fluoranthene (t)

12.746min (-0.004) 3.27ppb m

response 567

Ion	Exp%	Act%
202.00	100	100
203.00	16.90	39.56
201.00	14.00	31.47
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Jon Kreigmor Mamanta 10/26/25 21:33

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\anthonyt\10-19-25\e2m6525\
Data File : 2M144244.d
Acq On : 18 Oct 2025 2:28 pm
Operator : rocquans
Sample : op68166a-mb1 Inst : GCMS2M
Misc : op68166a,E2M6525,250,,,1,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 19 13:26:08 2025
Quant Method : X:\Dayton SVOA GCMS\anthonyt\methods\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sun Oct 19 13:14:24 2025
Response via : Initial Calibration

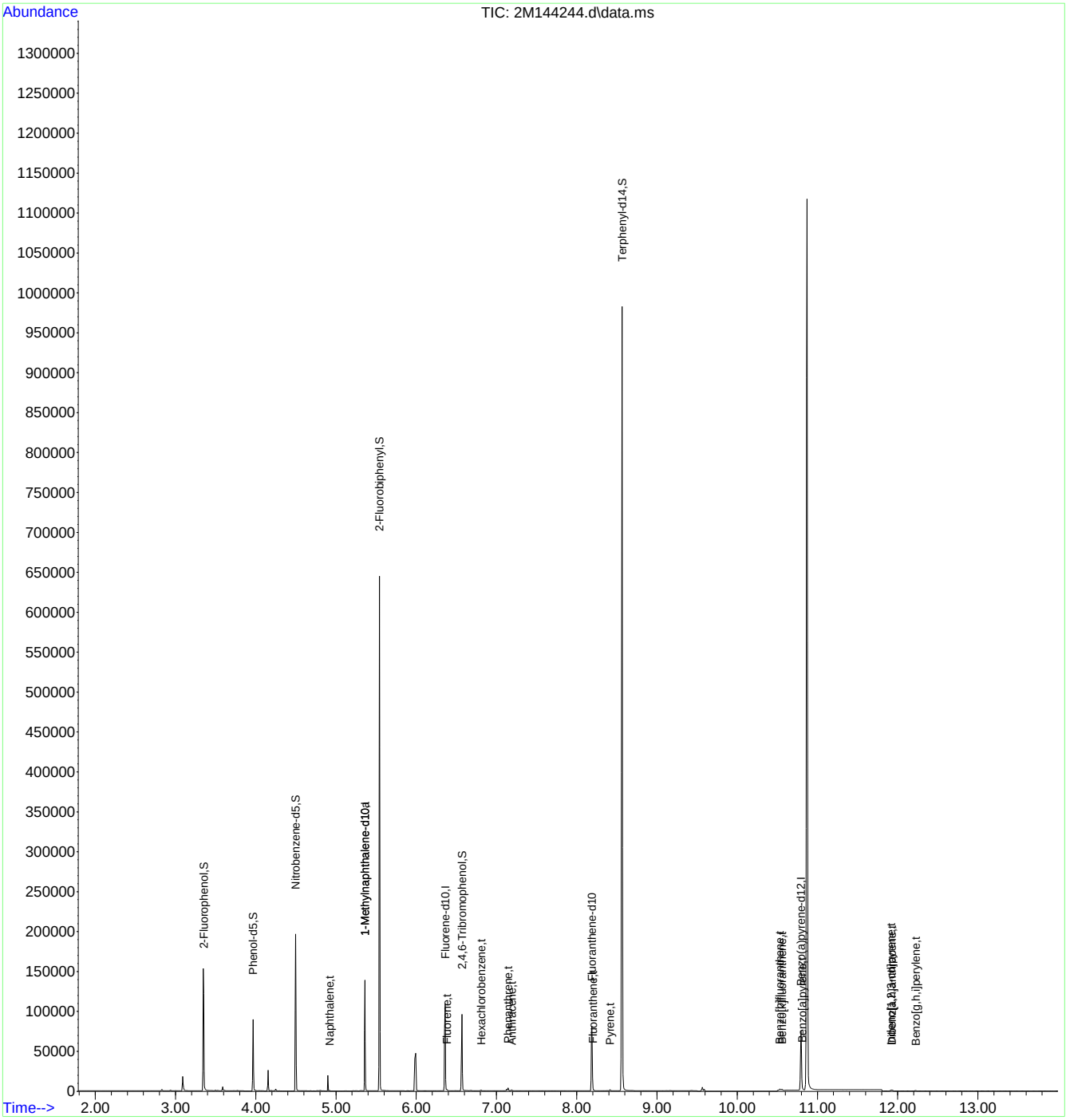
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1-Methylnaphthalene-d10	5.361	150	29951	800.00	ppb		0.00
12) Fluorene-d10	6.361	176	38784	800.00	ppb		0.00
19) Fluoranthene-d10	8.191	212	57119	800.00	ppb		0.00
29) Benzo(a)pyrene-d12	10.795	264	47391	800.00	ppb	#	0.00
36) 1-Methylnaphthalene-d10a	5.361	150	29951	800.00	ppb		0.00
System Monitoring Compounds							
3) 2-Fluorophenol	3.350	112	50742	2158.62	ppb		0.01
Spiked Amount 10000.000			Recovery =	21.59%			
4) Phenol-d5	3.966	99	45932	1794.58	ppb		0.00
Spiked Amount 10000.000			Recovery =	17.95%			
6) Nitrobenzene-d5	4.498	82	88675	3753.61	ppb		0.00
Spiked Amount 10000.000			Recovery =	37.54%			
13) 2-Fluorobiphenyl	5.541	172	213676	3433.80	ppb		0.00
Spiked Amount 10000.000			Recovery =	34.34%			
18) 2,4,6-Tribromophenol	6.570	330	28620	3425.67	ppb		0.00
Spiked Amount 10000.000			Recovery =	34.26%			
26) Terphenyl-d14	8.565	244	472310	7805.64	ppb		0.00
Spiked Amount 10000.000			Recovery =	78.06%			
Target Compounds							Qvalue
7) Naphthalene	4.920	128	501	5.6381	ppb		93
16) Fluorene	6.380	166	456	6.8073	ppb		97
20) Hexachlorobenzene	6.809	284	339m	17.6564	ppb		
22) Phenanthrene	7.144	178	1770	21.0467	ppb		93
23) Anthracene	7.191	178	927	11.0595	ppb		98
24) Fluoranthene	8.203	202	1229	11.7953	ppb		99
25) Pyrene	8.416	202	864	8.2745	ppb		99
30) Benzo[b]fluoranthene	10.531	252	1031m	12.6957	ppb		
31) Benzo[k]fluoranthene	10.558	252	715m	8.2738	ppb		
32) Benzo[a]pyrene	10.812	252	684m	7.5671	ppb		
33) Indeno[1,2,3-cd]pyrene	11.920	276	994m	8.5230	ppb		
34) Dibenz[a,h]anthracene	11.928	278	792	8.5581	ppb		90
35) Benzo[g,h,i]perylene	12.225	276	769	7.9596	ppb		98

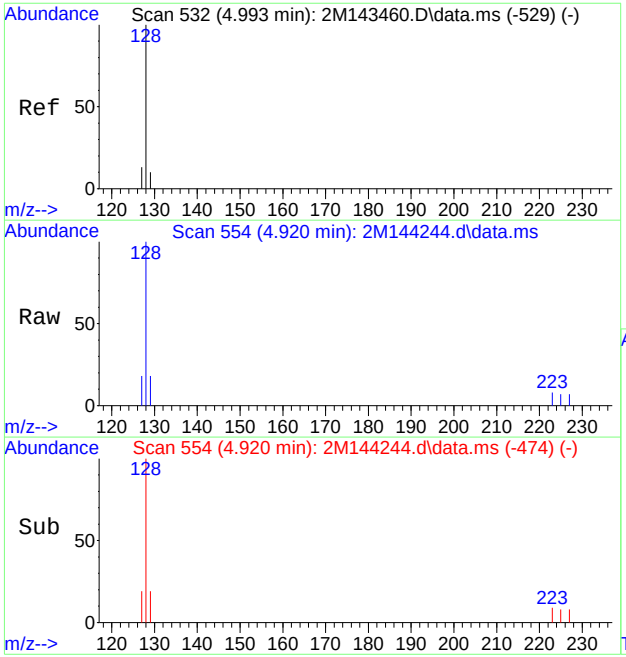
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\anthonyt\10-19-25\e2m6525\
Data File : 2M144244.d
Acq On : 18 Oct 2025 2:28 pm
Operator : rocquans
Sample : op68166a-mb1 Inst : GCMS2M
Misc : op68166a,E2M6525,250,,,1,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 19 13:26:08 2025
Quant Method : X:\Dayton SVOA GCMS\anthonyt\methods\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sun Oct 19 13:14:24 2025
Response via : Initial Calibration

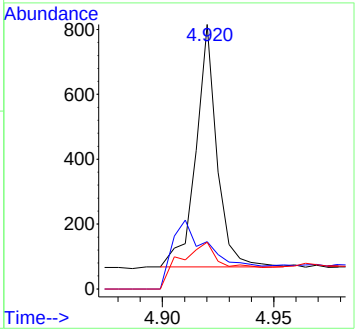


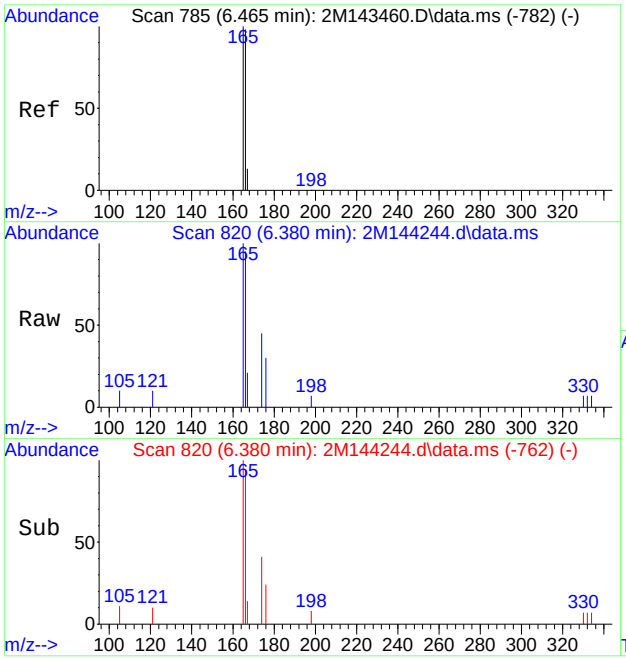


#7
Naphthalene
Concen: 5.6381 ppb
RT: 4.920 min Scan# 554
Delta R.T. -0.000 min
Lab File: 2M144244.d
Acq: 18 Oct 2025 2:28 pm

Tgt Ion:128 Resp: 501

Ion	Ratio	Lower	Upper
128	100		
129	14.6	0.0	41.0
127	14.7	0.0	42.7

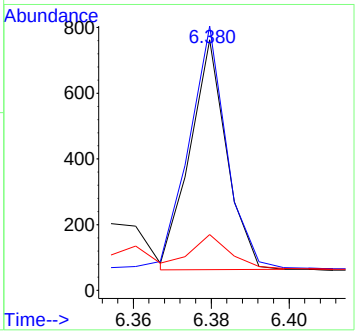


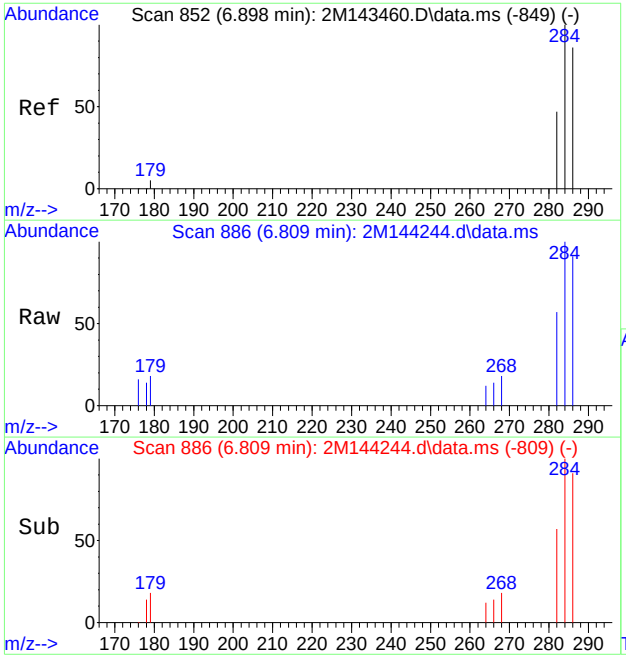


#16
Fluorene
Concen: 6.8073 ppb
RT: 6.380 min Scan# 820
Delta R.T. -0.000 min
Lab File: 2M144244.d
Acq: 18 Oct 2025 2:28 pm

Tgt Ion:166 Resp: 456

Ion	Ratio	Lower	Upper
166	100		
165	105.3	78.3	138.3
167	13.8	0.0	42.9

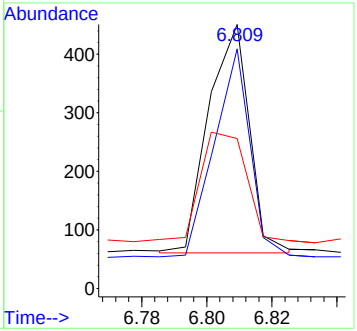


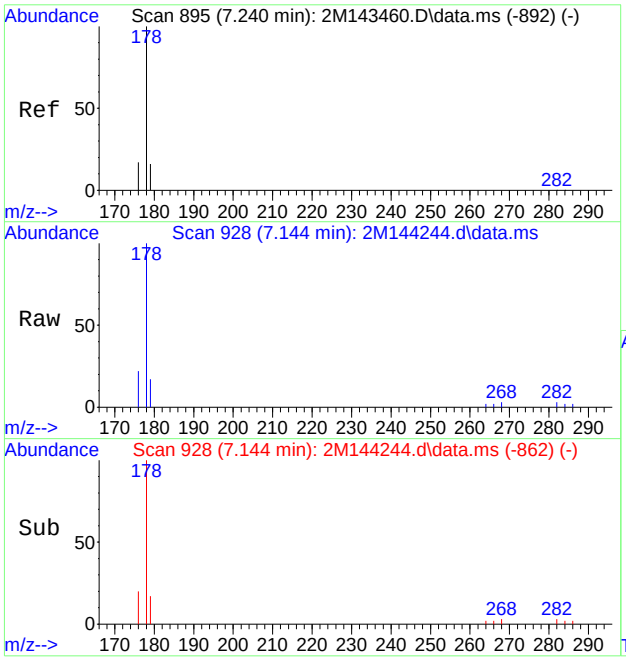


#20
Hexachlorobenzene
Concen: 17.6564 ppb m
RT: 6.809 min Scan# 886
Delta R.T. -0.000 min
Lab File: 2M144244.d
Acq: 18 Oct 2025 2:28 pm

Tgt Ion:284 Resp: 339

Ion	Ratio	Lower	Upper
284	100		
286	90.7	51.5	111.5
282	56.8	19.2	79.2

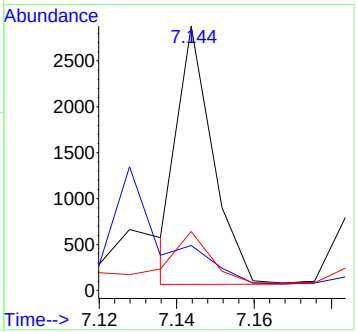


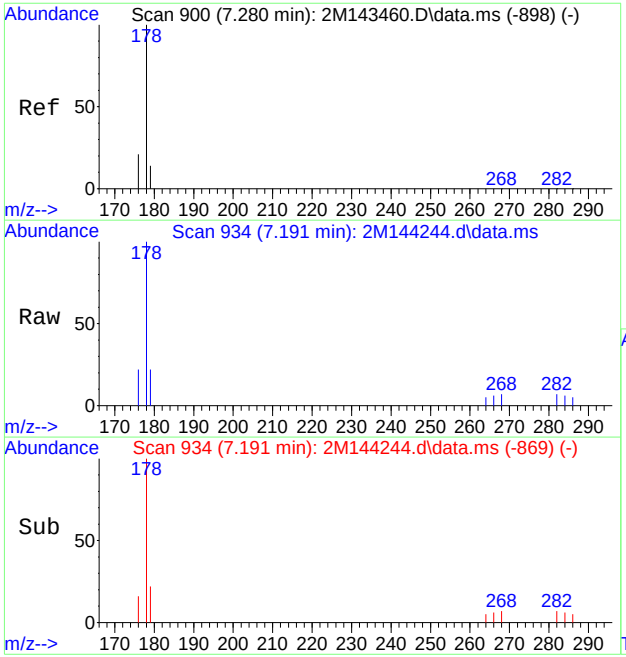


#22
Phenanthrene
Concen: 21.0467 ppb
RT: 7.144 min Scan# 928
Delta R.T. -0.000 min
Lab File: 2M144244.d
Acq: 18 Oct 2025 2:28 pm

Tgt Ion:178 Resp: 1770

Ion	Ratio	Lower	Upper
178	100		
179	10.3	0.0	43.8
176	19.1	0.0	52.0

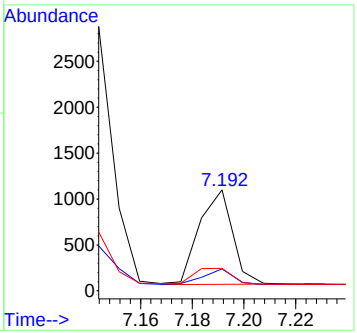


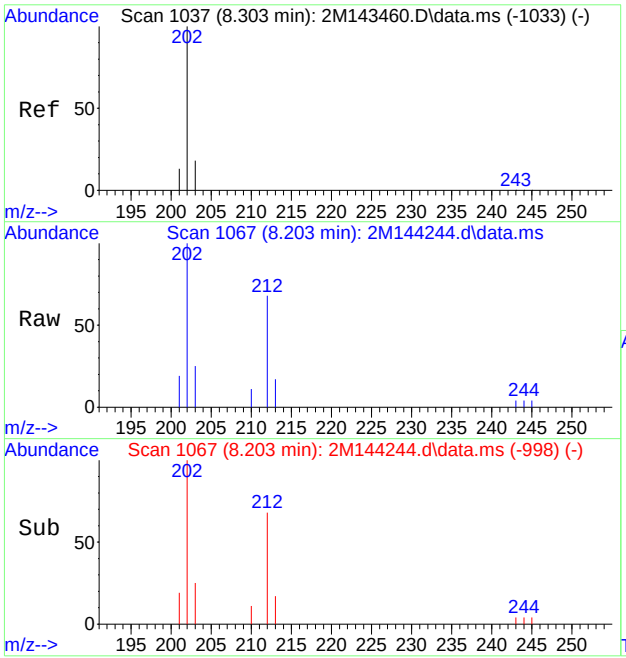


#23
Anthracene
Concen: 11.0595 ppb
RT: 7.191 min Scan# 934
Delta R.T. -0.000 min
Lab File: 2M144244.d
Acq: 18 Oct 2025 2:28 pm

Tgt Ion:178 Resp: 927

Ion	Ratio	Lower	Upper
178	100		
179	16.2	0.0	45.9
176	16.8	0.0	48.0

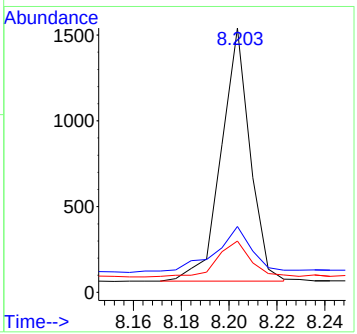


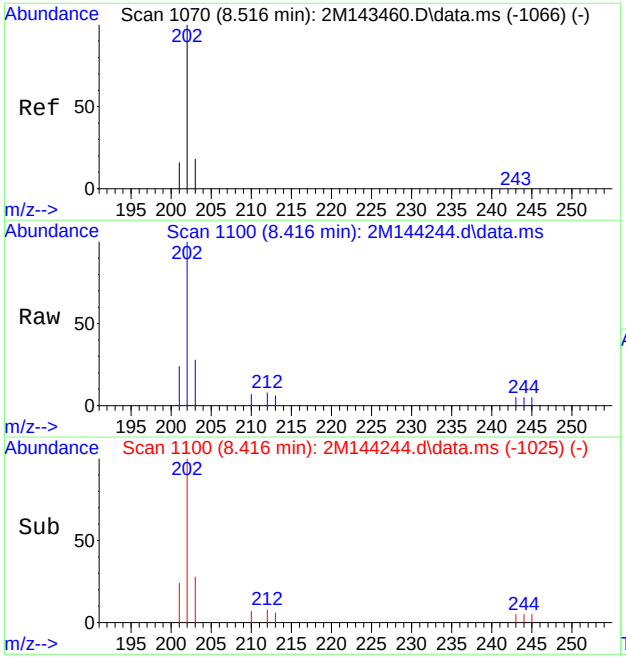


#24
Fluoranthene
Concen: 11.7953 ppb
RT: 8.203 min Scan# 1067
Delta R.T. -0.000 min
Lab File: 2M144244.d
Acq: 18 Oct 2025 2:28 pm

Tgt Ion:202 Resp: 1229

Ion	Ratio	Lower	Upper
202	100		
203	17.5	0.0	47.1
201	13.7	0.0	44.5

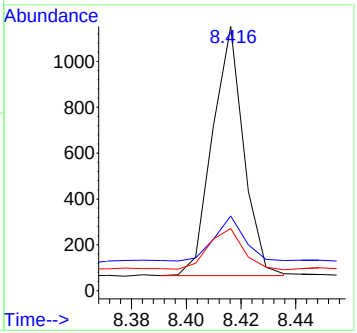


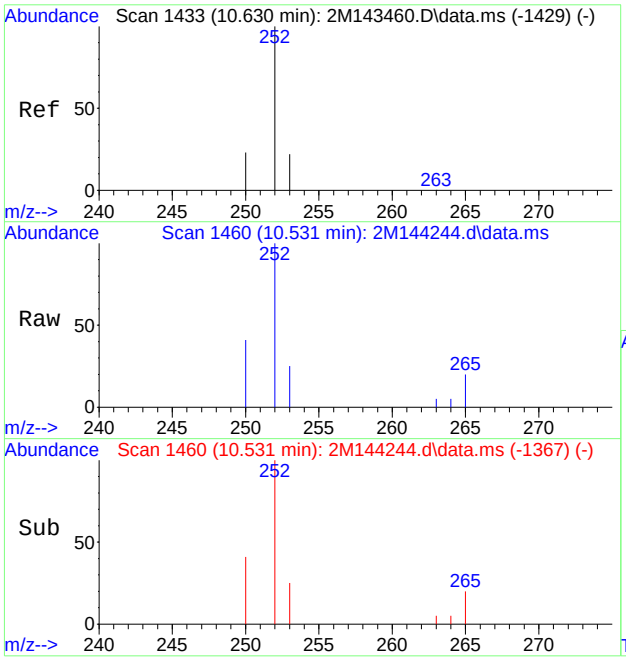


#25
Pyrene
Concen: 8.2745 ppb
RT: 8.416 min Scan# 1100
Delta R.T. -0.000 min
Lab File: 2M144244.d
Acq: 18 Oct 2025 2:28 pm

Tgt Ion:202 Resp: 864

Ion	Ratio	Lower	Upper
202	100		
203	17.9	0.0	47.7
201	16.3	0.0	46.7

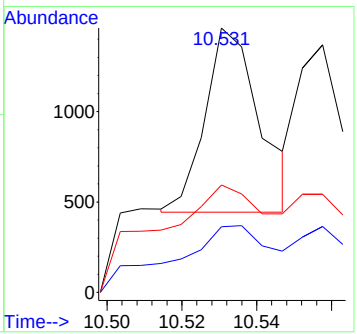


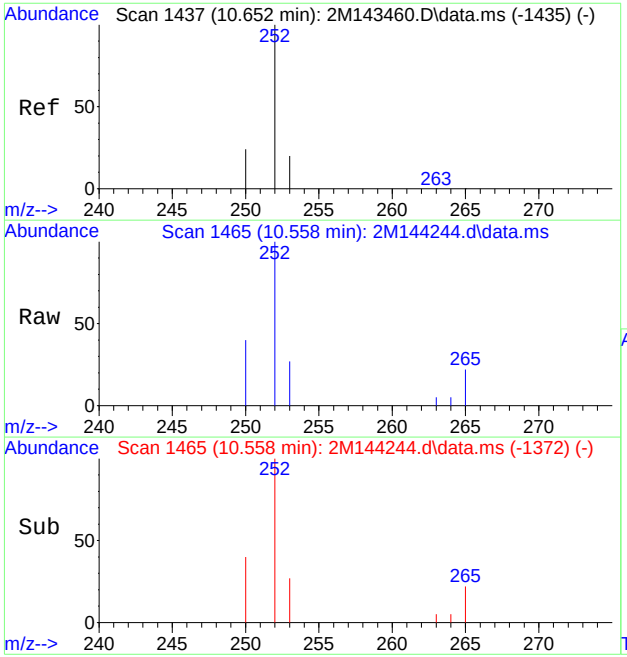


#30
Benzo[b]fluoranthene
Concen: 12.6957 ppb m
RT: 10.531 min Scan# 1460
Delta R.T. -0.000 min
Lab File: 2M144244.d
Acq: 18 Oct 2025 2:28 pm

Tgt Ion:252 Resp: 1031

Ion	Ratio	Lower	Upper
252	100		
253	24.8	0.0	49.6
250	40.6	0.0	56.2

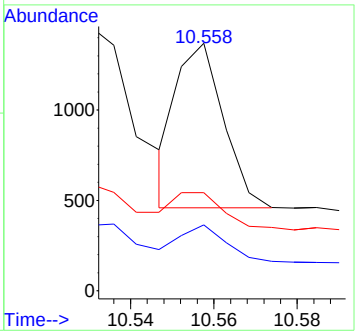


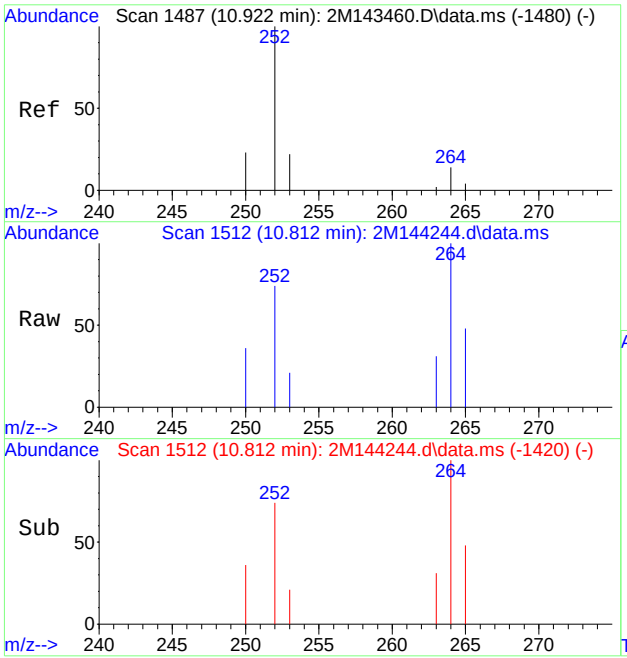


#31
Benzo[k]fluoranthene
Concen: 8.2738 ppb m
RT: 10.558 min Scan# 1465
Delta R.T. -0.000 min
Lab File: 2M144244.d
Acq: 18 Oct 2025 2:28 pm

Tgt Ion:252 Resp: 715

Ion	Ratio	Lower	Upper
252	100		
253	26.6	0.0	51.9
250	39.6	0.0	52.6

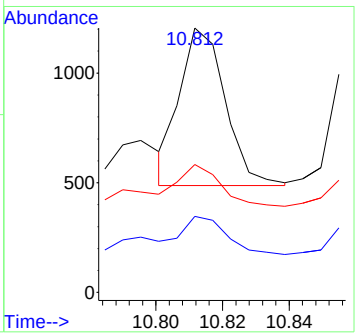


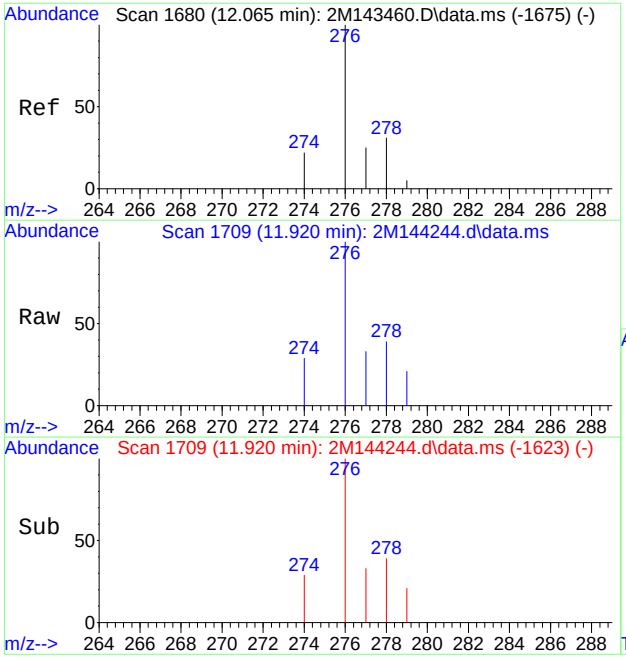


#32
Benzo[a]pyrene
Concen: 7.5671 ppb m
RT: 10.812 min Scan# 1512
Delta R.T. -0.006 min
Lab File: 2M144244.d
Acq: 18 Oct 2025 2:28 pm

Tgt Ion:252 Resp: 684

Ion	Ratio	Lower	Upper
252	100		
253	28.8	0.0	52.3
250	48.3	0.0	53.7

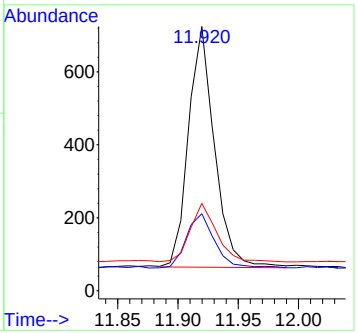


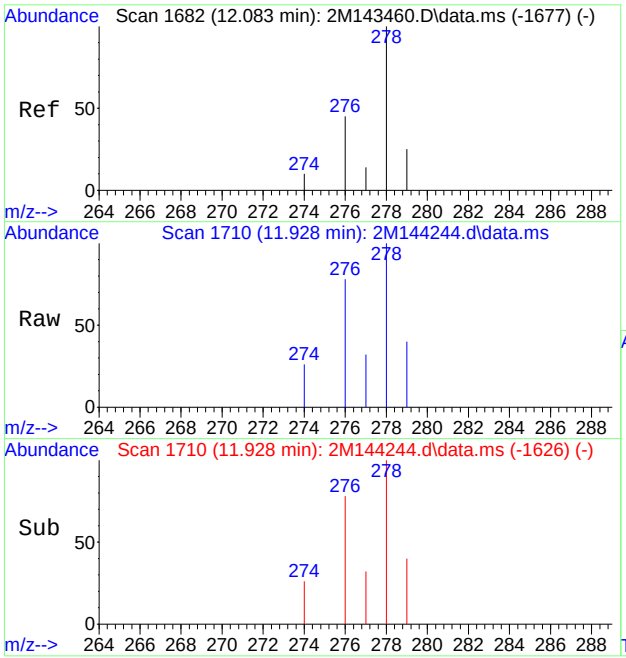


#33
Indeno[1,2,3-cd]pyrene
Concen: 8.5230 ppb m
RT: 11.920 min Scan# 1709
Delta R.T. 0.009 min
Lab File: 2M144244.d
Acq: 18 Oct 2025 2:28 pm

Tgt Ion:276 Resp: 994

Ion	Ratio	Lower	Upper
276	100		
274	29.1	0.0	53.8
277	33.1	0.0	52.0

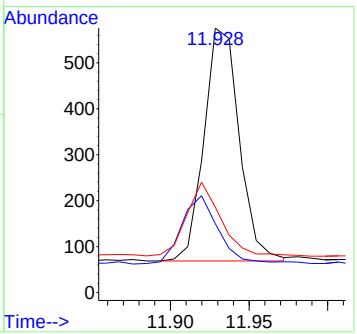


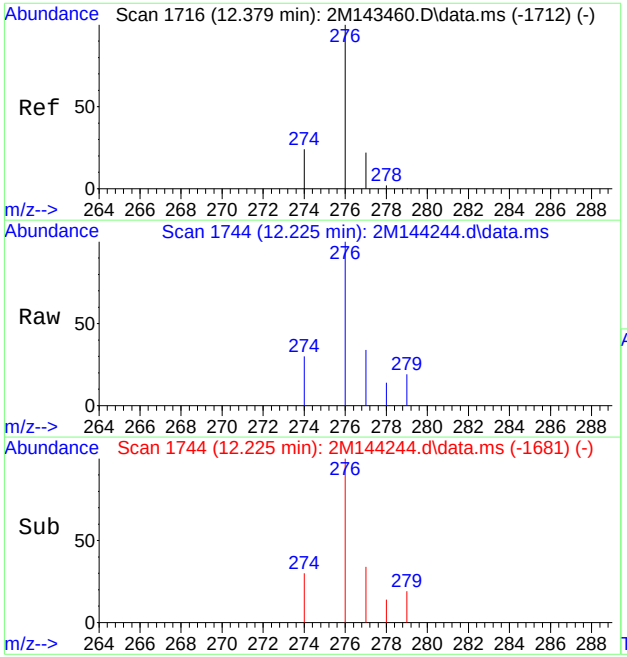


#34
Dibenz[a,h]anthracene
Concen: 8.5581 ppb
RT: 11.928 min Scan# 1710
Delta R.T. -0.000 min
Lab File: 2M144244.d
Acq: 18 Oct 2025 2:28 pm

Tgt Ion:278 Resp: 792

Ion	Ratio	Lower	Upper
278	100		
274	16.5	0.0	42.6
277	20.6	0.0	46.3

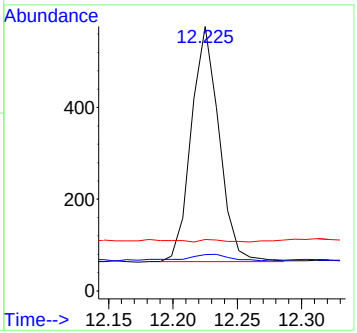




#35
Benzo[g,h,i]perylene
Concen: 7.9596 ppb
RT: 12.225 min Scan# 1744
Delta R.T. -0.000 min
Lab File: 2M144244.d
Acq: 18 Oct 2025 2:28 pm

Tgt Ion:276 Resp: 769

Ion	Ratio	Lower	Upper
276	100		
278	2.1	0.0	32.9
279	0.3	0.0	30.2



Manual Integration Approval Summary

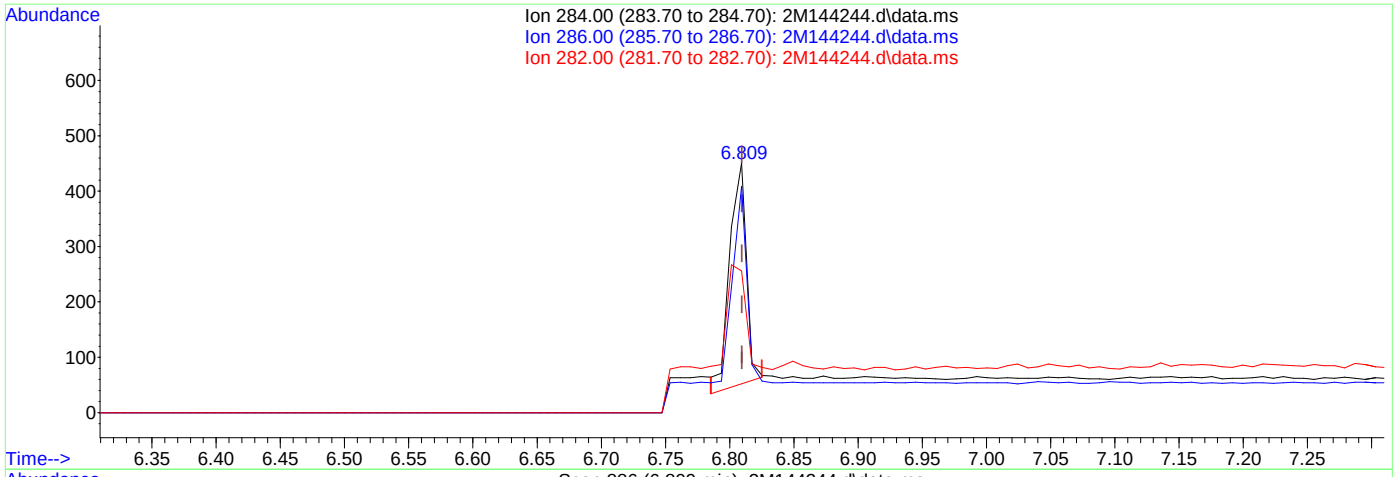
Sample Number: OP68166A-MB1
Lab FileID: 2M144244.D
Injection Time: 10/18/25 14:28
Method: SW846 8270E BY SIM
Analyst approved: 10/19/25 02:32 Anthony Torre
Supervisor approved: 10/26/25 21:33 Jon Kreigmor Mamanta

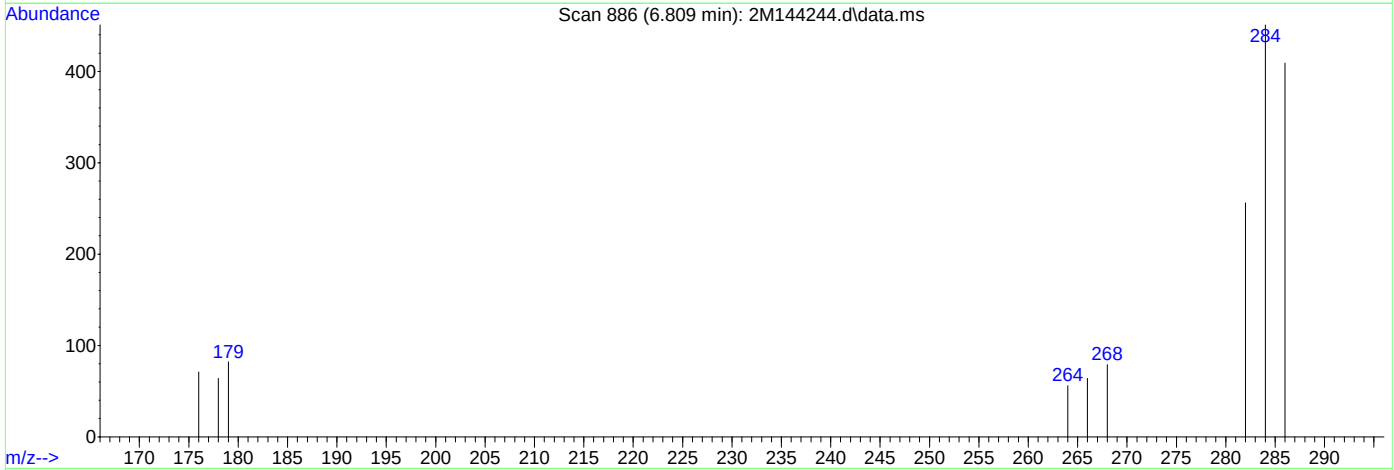
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexachlorobenzene	118-74-1		6.81	Poor instrument integration
Benzo(b)fluoranthene	205-99-2		10.53	Poor instrument integration
Benzo(k)fluoranthene	207-08-9		10.56	Poor instrument integration
Benzo(a)pyrene	50-32-8		10.81	Poor instrument integration
Indeno(1,2,3-cd)pyrene	193-39-5		11.92	Poor instrument integration

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\anthonyt\10-19-25\e2m6525\
Data File : 2M144244.d
Acq On : 18 Oct 2025 2:28 pm
Operator : rocquans
Sample : op68166a-mb1 Inst : GCMS2M
Misc : op68166a,E2M6525,250,,,1,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 19 13:15:06 2025
Quant Method : X:\Dayton SVOA GCMS\anthonyt\methods\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sun Oct 19 13:14:24 2025
Response via : Initial Calibration





TIC: 2M144244.d\data.ms

(20) Hexachlorobenzene (t)

6.809min (-0.000) 19.17ppb

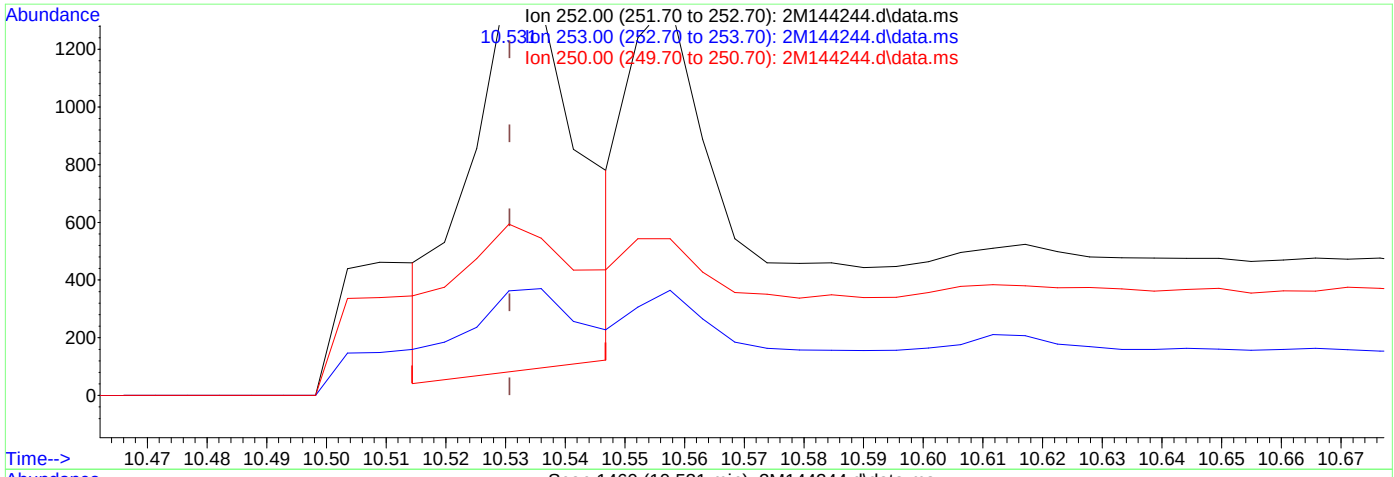
response 368

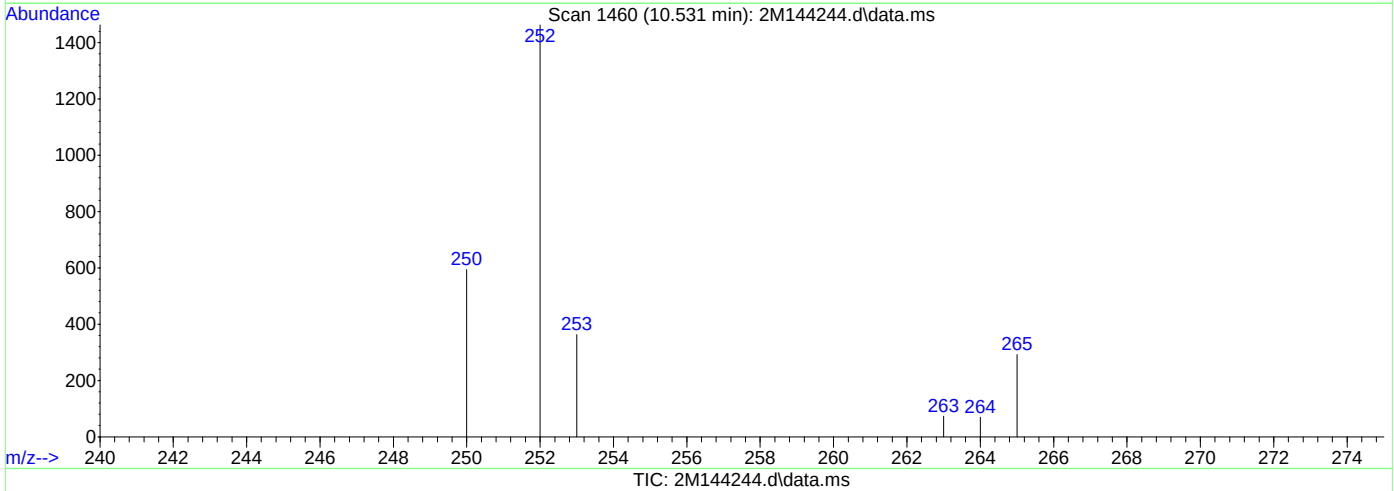
Ion	Exp%	Act%
284.00	100	100
286.00	81.50	91.70
282.00	49.20	44.88
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\anthonyt\10-19-25\e2m6525\
Data File : 2M144244.d
Acq On : 18 Oct 2025 2:28 pm
Operator : rocquans
Sample : op68166a-mb1 Inst : GCMS2M
Misc : op68166a,E2M6525,250,,,1,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 19 13:25:03 2025
Quant Method : X:\Dayton SVOA GCMS\anthonyt\methods\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sun Oct 19 13:14:24 2025
Response via : Initial Calibration





TIC: 2M144244.d\data.ms

(30) Benzo[b]fluoranthene (t)

10.531min (-0.000) 21.36ppb

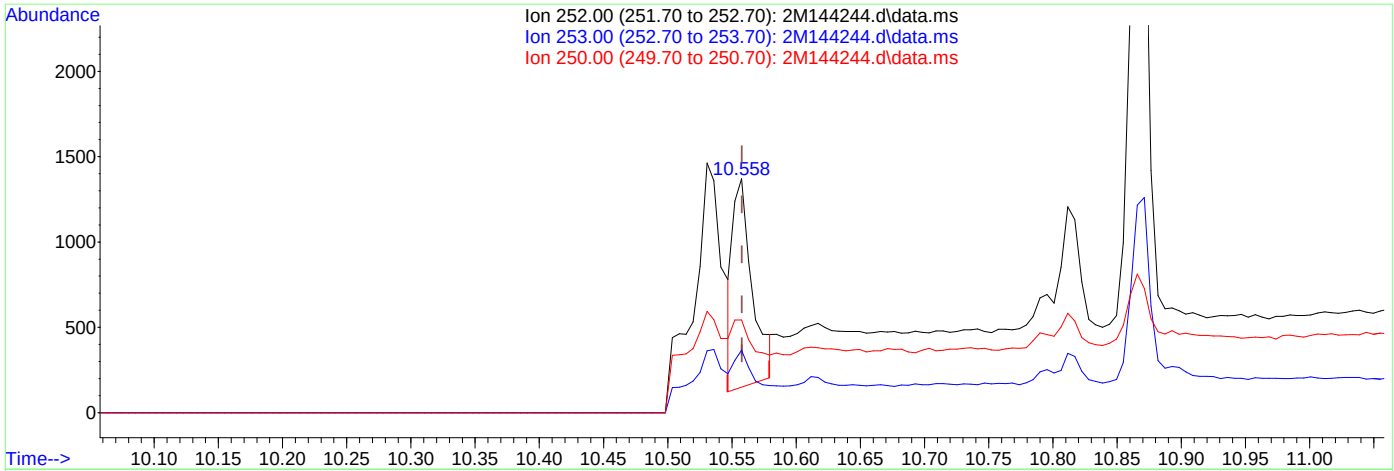
response 1735

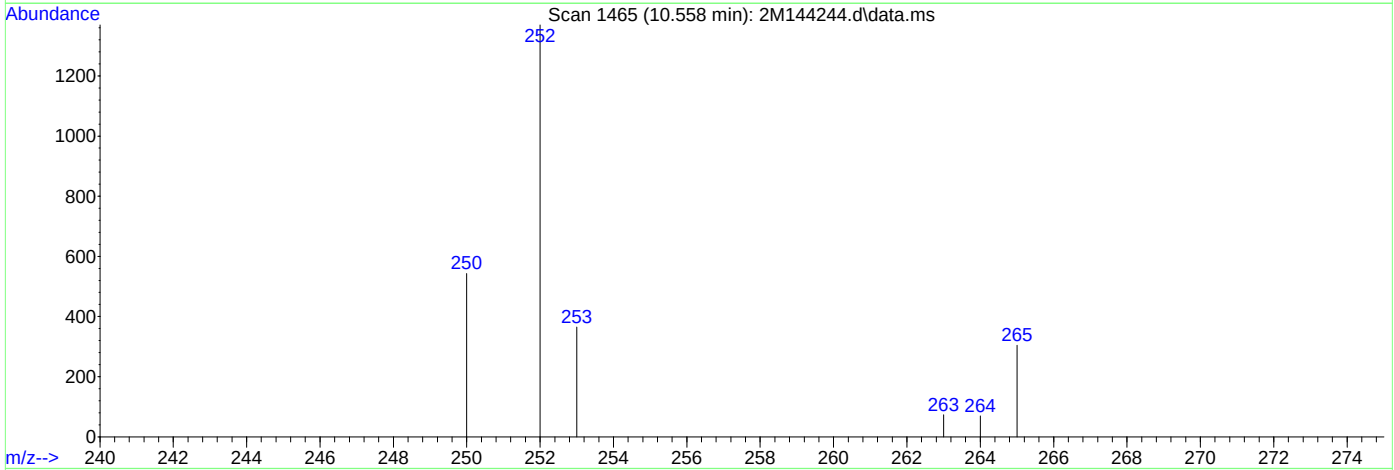
Ion	Exp%	Act%
252.00	100	100
253.00	19.60	20.05
250.00	26.20	24.20
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\anthonyt\10-19-25\e2m6525\
Data File : 2M144244.d
Acq On : 18 Oct 2025 2:28 pm
Operator : rocquans
Sample : op68166a-mb1 Inst : GCMS2M
Misc : op68166a,E2M6525,250,,,1,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 19 13:25:03 2025
Quant Method : X:\Dayton SVOA GCMS\anthonyt\methods\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sun Oct 19 13:14:24 2025
Response via : Initial Calibration





TIC: 2M144244.d\data.ms

(31) Benzo[k]fluoranthene (t)

10.558min (-0.000) 14.92ppb

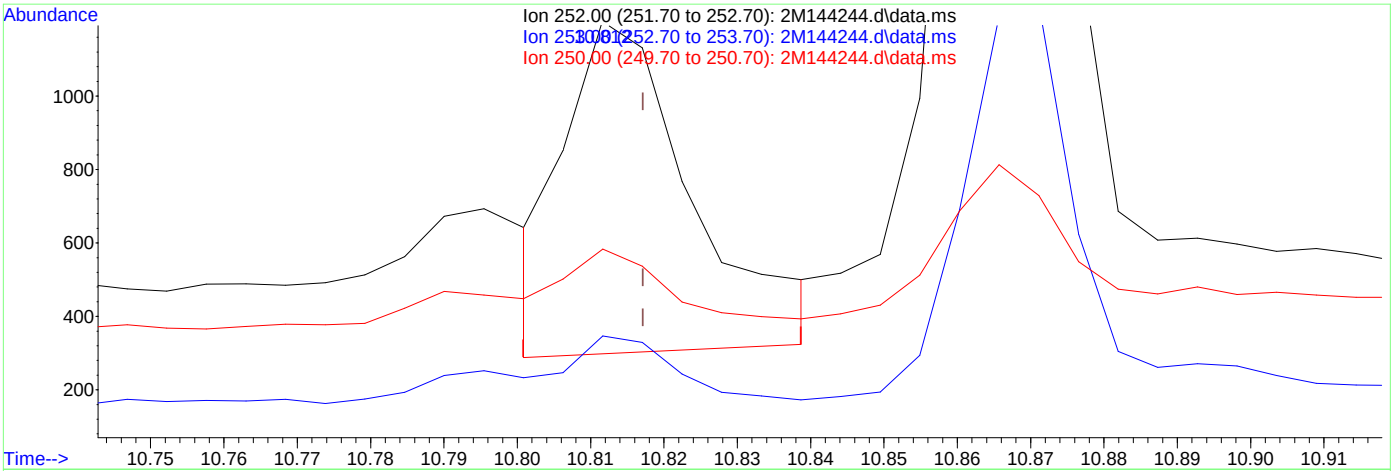
response 1289

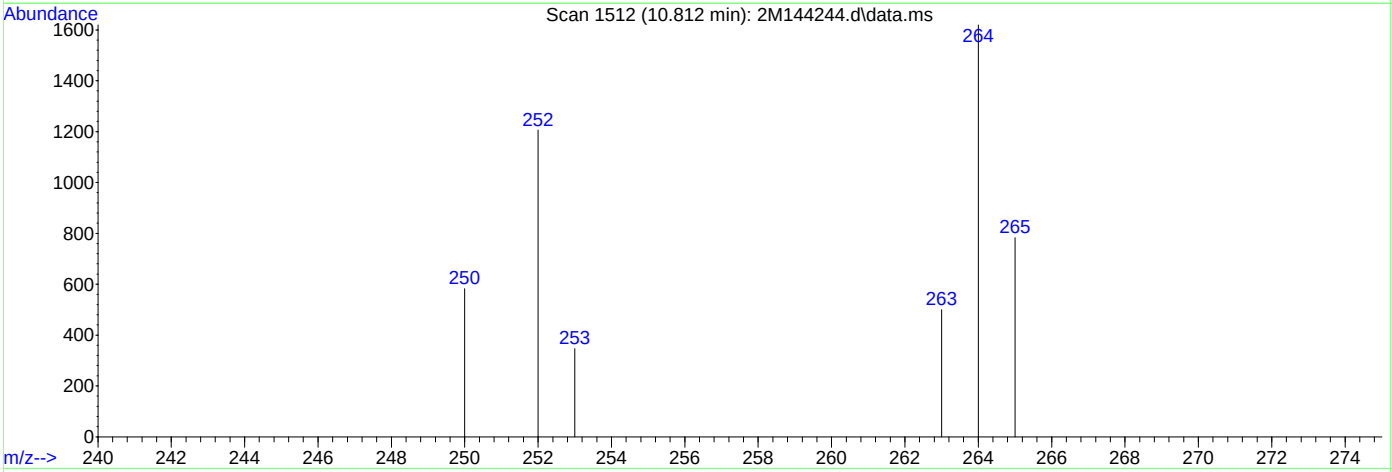
Ion	Exp%	Act%
252.00	100	100
253.00	21.90	22.90
250.00	22.60	20.91
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\anthonyt\10-19-25\e2m6525\
Data File : 2M144244.d
Acq On : 18 Oct 2025 2:28 pm
Operator : rocquans
Sample : op68166a-mb1 Inst : GCMS2M
Misc : op68166a,E2M6525,250,,,1,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 19 13:25:03 2025
Quant Method : X:\Dayton SVOA GCMS\anthonyt\methods\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sun Oct 19 13:14:24 2025
Response via : Initial Calibration





TIC: 2M144244.d\data.ms

(32) Benzo[a]pyrene (t)

10.812min (-0.006) 12.11ppb

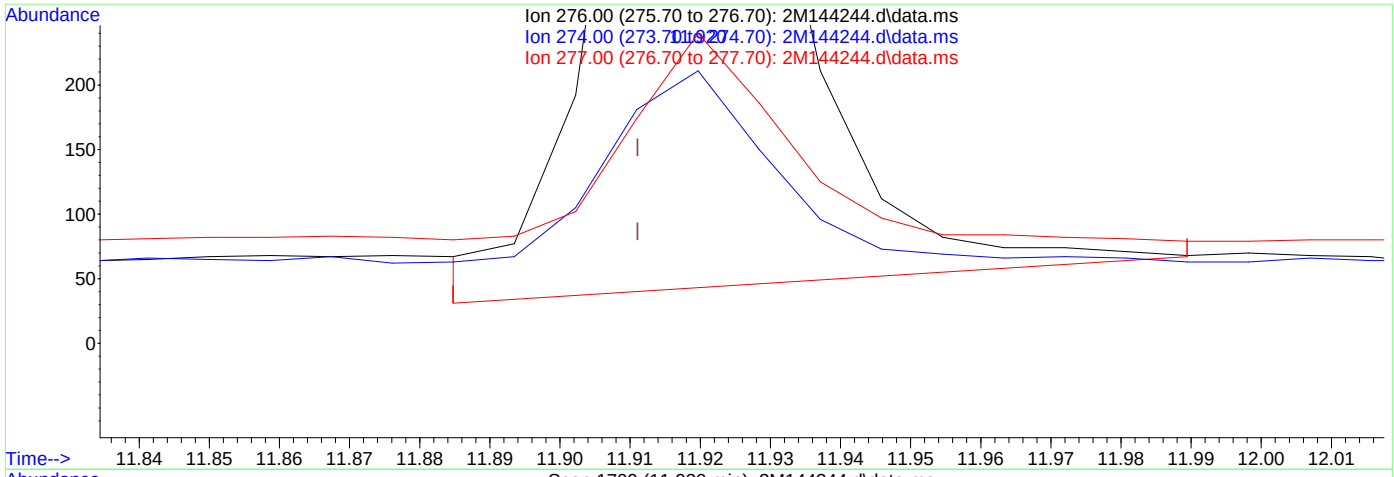
response 1095

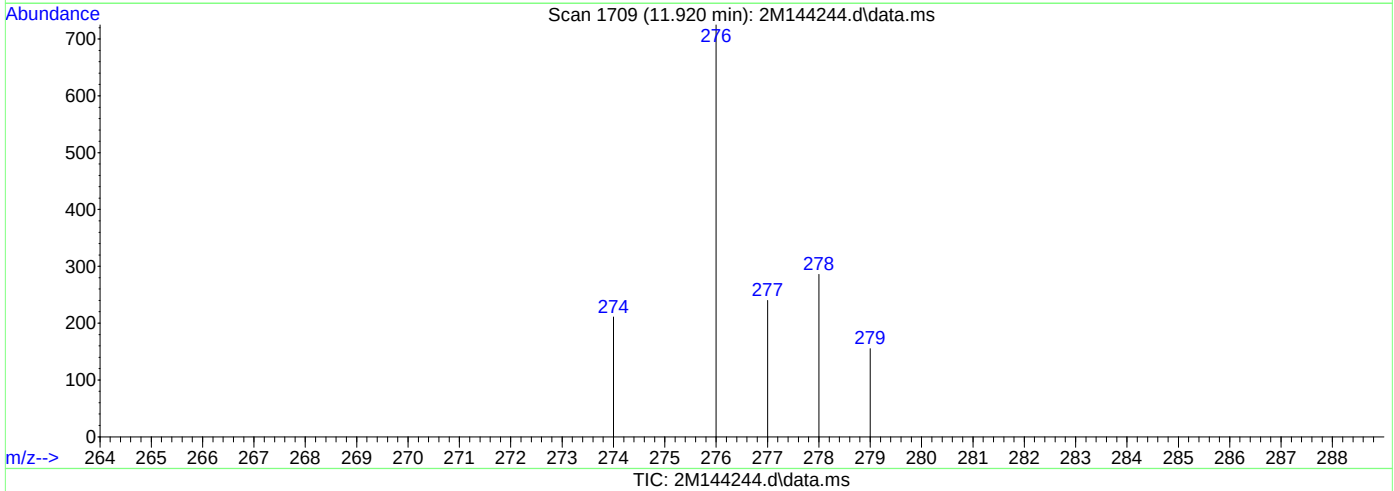
Ion	Exp%	Act%
252.00	100	100
253.00	22.30	22.68
250.00	23.70	25.59
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\anthonyt\10-19-25\e2m6525\
Data File : 2M144244.d
Acq On : 18 Oct 2025 2:28 pm
Operator : rocquans
Sample : op68166a-mb1 Inst : GCMS2M
Misc : op68166a,E2M6525,250,,,1,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 19 13:25:03 2025
Quant Method : X:\Dayton SVOA GCMS\anthonyt\methods\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sun Oct 19 13:14:24 2025
Response via : Initial Calibration





TIC: 2M144244.d\data.ms

(33) Indeno[1,2,3-cd]pyrene (t)

11.920min (+0.009) 9.33ppb

response 1088

Ion	Exp%	Act%
276.00	100	100
274.00	23.80	22.51
277.00	22.00	24.41
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Ying Li
10/21/25 11:23

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\lorenat\Octubre\2025-10-20\ecs470\
Data File : cs9117.D
Acq On : 18 Oct 2025 05:26 pm
Operator : rocquans
Sample : op68253a-mb1 Inst : GCMS_CS
Misc : op68253a,ecs470,250,,,1,1
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Oct 20 19:16:39 2025
Quant Method : X:\Dayton SVOA GCMS\lorenat\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 18:05:43 2025
Response via : Initial Calibration

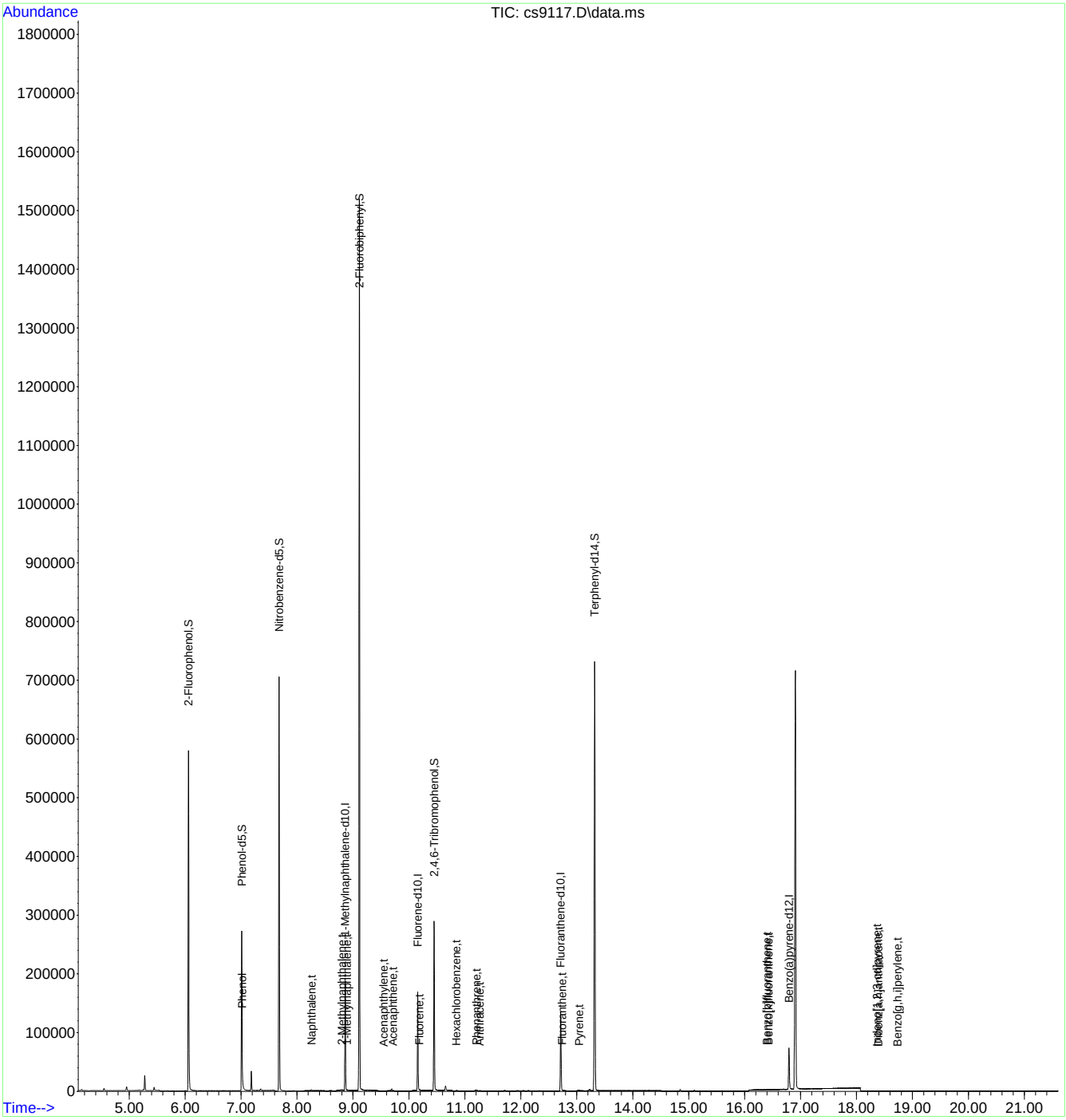
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1-Methylnaphthalene-d10	8.860	150	54985	800.00	ppb		0.00
11) Fluorene-d10	10.157	176	69541	800.00	ppb		0.00
18) Fluoranthene-d10	12.713	212	101132	800.00	ppb		0.00
28) Benzo(a)pyrene-d12	16.793	264	56125	800.00	ppb		0.00
System Monitoring Compounds							
3) 2-Fluorophenol	6.059	112	264404	5018.58	ppb		0.00
Spiked Amount 10000.000			Recovery =	50.19%			
4) Phenol-d5	7.011	99	219015	3520.60	ppb		0.00
Spiked Amount 10000.000			Recovery =	35.21%			
6) Nitrobenzene-d5	7.680	82	354618	6908.16	ppb		0.00
Spiked Amount 10000.000			Recovery =	69.08%			
12) 2-Fluorobiphenyl	9.114	172	692361	6142.31	ppb		0.00
Spiked Amount 10000.000			Recovery =	61.42%			
17) 2,4,6-Tribromophenol	10.449	330	97762	8453.57	ppb		0.00
Spiked Amount 10000.000			Recovery =	84.54%			
25) Terphenyl-d14	13.320	244	518003	7140.31	ppb		0.00
Spiked Amount 10000.000			Recovery =	71.40%			
Target Compounds							Qvalue
5) Phenol	7.021	94	234m	3.2528	ppb		
7) Naphthalene	8.257	128	1140	5.7761	ppb		99
9) 2-Methylnaphthalene	8.804	141	351	3.2023	ppb		87
10) 1-Methylnaphthalene	8.889	141	298m	2.8575	ppb		
13) Acenaphthylene	9.551	152	97	0.5707	ppb		74
14) Acenaphthene	9.713	153	150	1.2683	ppb	#	73
15) Fluorene	10.187	166	294	2.1776	ppb		97
19) Hexachlorobenzene	10.847	284	51m	1.4784	ppb		
21) Phenanthrene	11.209	178	1012m	5.6420	ppb		
22) Anthracene	11.263	178	270m	1.6324	ppb		
23) Fluoranthene	12.739	202	308m	1.6358	ppb		
24) Pyrene	13.043	202	408m	2.1328	ppb		
29) Benzo[b]fluoranthene	16.400	252	173m	1.4105	ppb		
30) Benzo[k]fluoranthene	16.427	252	163m	1.4251	ppb		
32) Indeno[1,2,3-cd]pyrene	18.365	276	121m	1.3488	ppb		
33) Dibenz[a,h]anthracene	18.389	278	72m	0.8561	ppb		
34) Benzo[g,h,i]perylene	18.731	276	196m	2.1917	ppb		

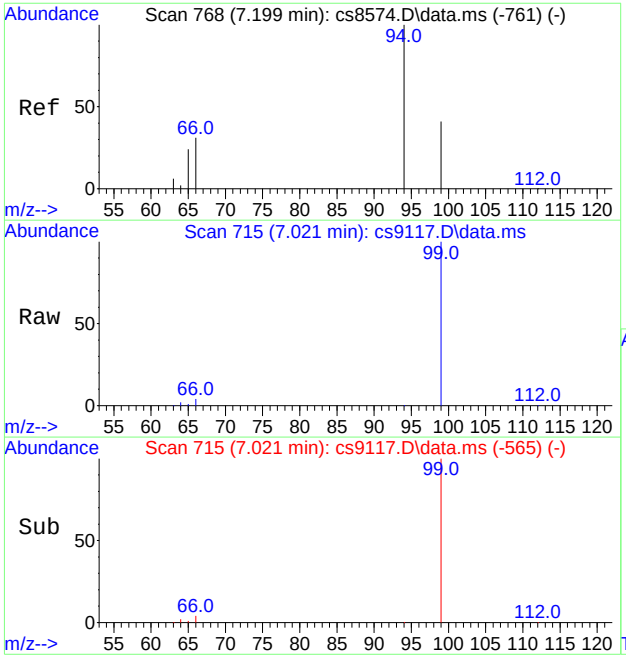
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\lorenat\Octubre\2025-10-20\ecs470\
Data File : cs9117.D
Acq On : 18 Oct 2025 05:26 pm
Operator : rocquans
Sample : op68253a-mb1 Inst : GCMS_CS
Misc : op68253a,ecs470,250,,,1,1
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Oct 20 19:16:39 2025
Quant Method : X:\Dayton SVOA GCMS\lorenat\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 18:05:43 2025
Response via : Initial Calibration

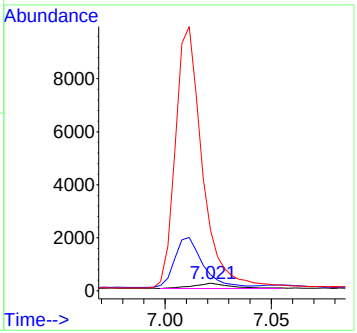


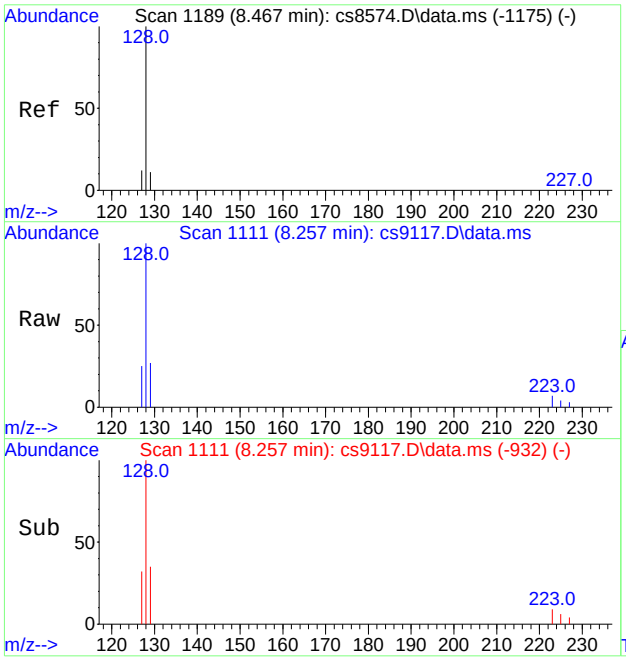


#5
Phenol
Concen: 3.2528 ppb m
RT: 7.021 min Scan# 715
Delta R.T. 0.000 min
Lab File: cs9117.D
Acq: 18 Oct 2025 05:26 pm

Tgt Ion: 94 Resp: 234

Ion	Ratio	Lower	Upper
94	100		
65	214.8	19.5	29.3#
66	803.9	24.9	37.3#

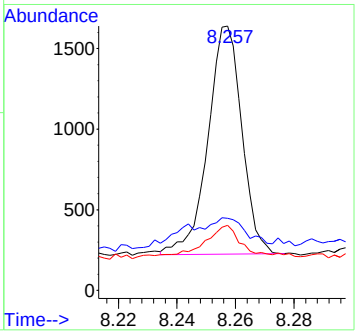


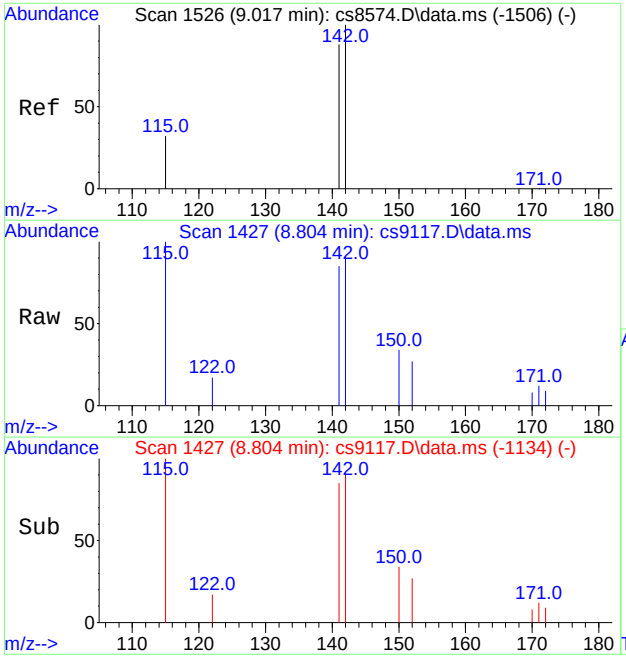


#7
Naphthalene
Concen: 5.7761 ppb
RT: 8.257 min Scan# 1111
Delta R.T. 0.004 min
Lab File: cs9117.D
Acq: 18 Oct 2025 05:26 pm

Tgt Ion:128 Resp: 1140

Ion	Ratio	Lower	Upper
128	100		
129	11.1	0.0	40.8
127	12.9	0.0	42.5

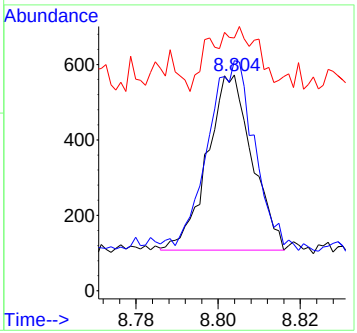


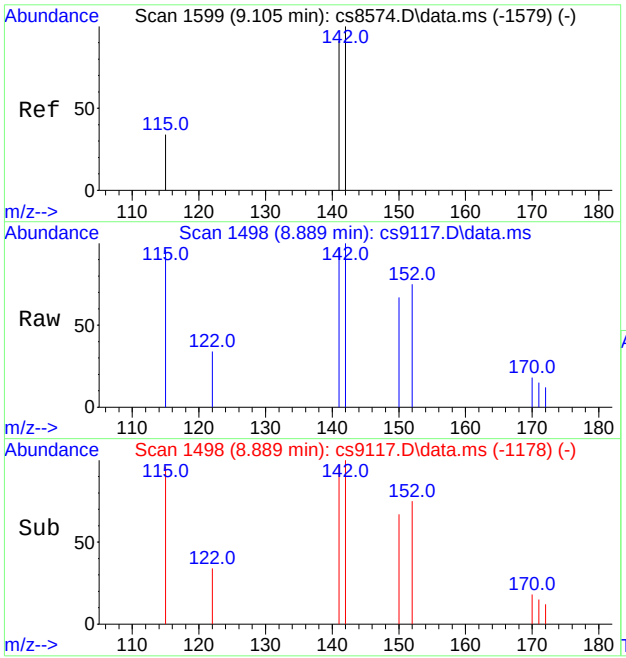


#9
2-Methylnaphthalene
Concen: 3.2023 ppb
RT: 8.804 min Scan# 1427
Delta R.T. 0.002 min
Lab File: cs9117.D
Acq: 18 Oct 2025 05:26 pm

Tgt Ion:141 Resp: 351

Ion	Ratio	Lower	Upper
141	100		
142	105.5	84.3	144.3
115	19.7	5.8	65.8

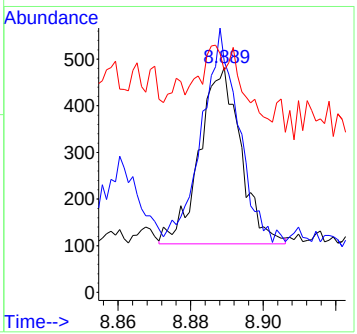


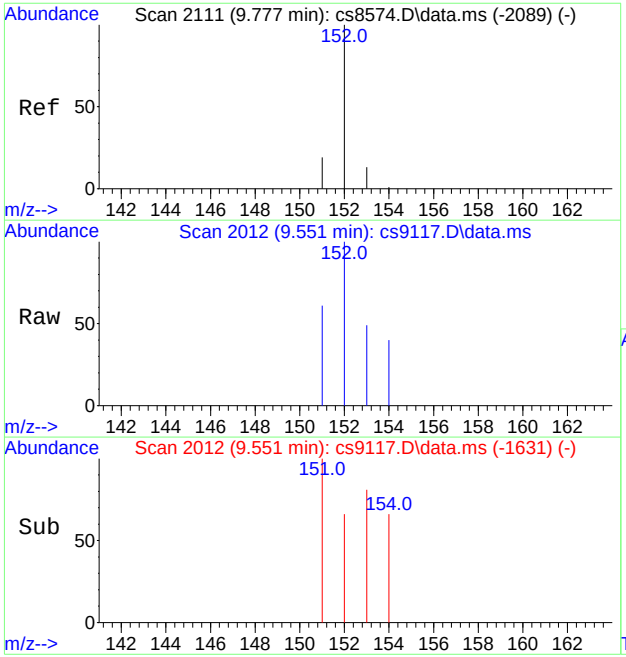


#10
1-Methylnaphthalene
Concen: 2.8575 ppb m
RT: 8.889 min Scan# 1498
Delta R.T. 0.004 min
Lab File: cs9117.D
Acq: 18 Oct 2025 05:26 pm

Tgt Ion:141 Resp: 298

Ion	Ratio	Lower	Upper
141	100		
142	102.7	82.6	142.6
115	98.8	7.6	67.6#

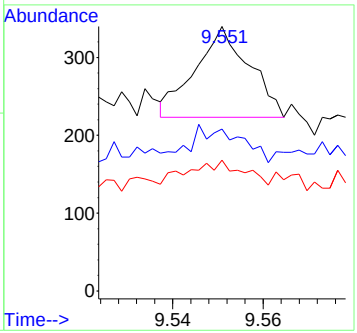


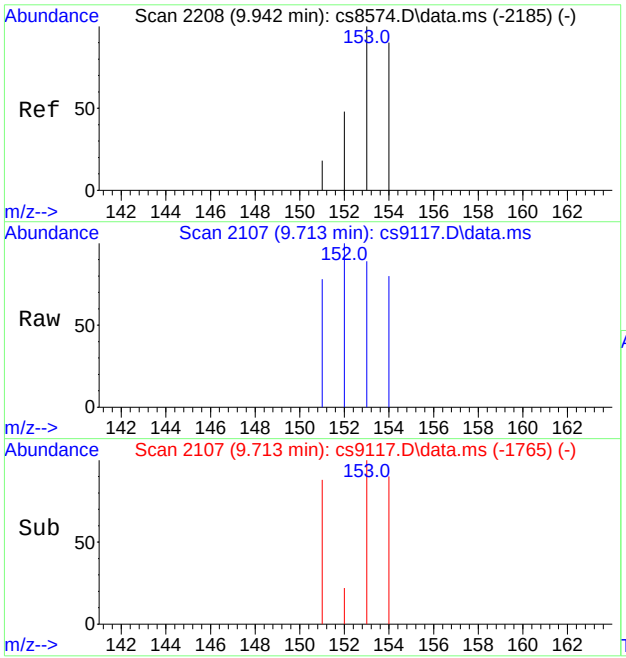


#13
Acenaphthylene
Concen: 0.5707 ppb
RT: 9.551 min Scan# 2012
Delta R.T. 0.002 min
Lab File: cs9117.D
Acq: 18 Oct 2025 05:26 pm

Tgt Ion:152 Resp: 97

Ion	Ratio	Lower	Upper
152	100		
151	28.5	0.0	48.9
153	26.2	0.0	42.9

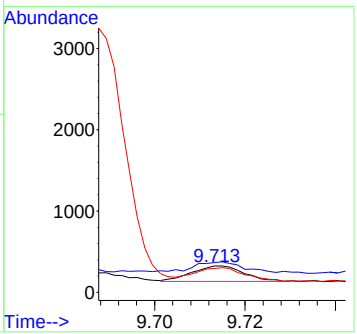


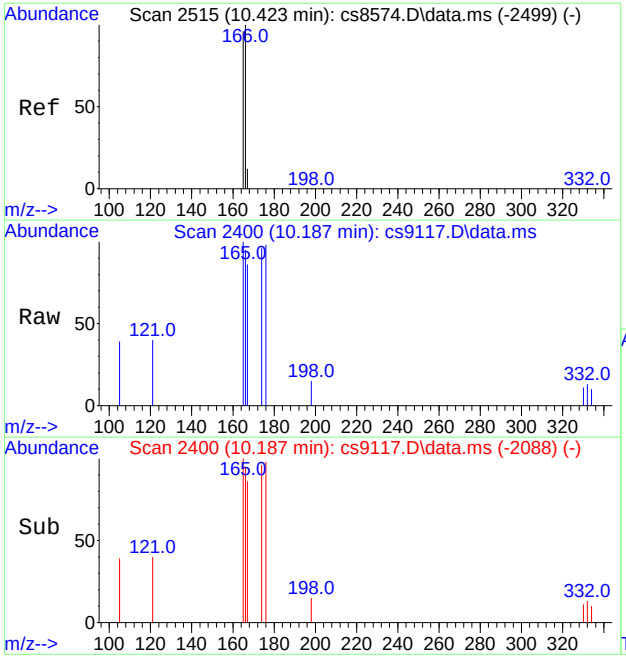


#14
Acenaphthene
Concen: 1.2683 ppb
RT: 9.713 min Scan# 2107
Delta R.T. 0.003 min
Lab File: cs9117.D
Acq: 18 Oct 2025 05:26 pm

Tgt Ion:153 Resp: 150

Ion	Ratio	Lower	Upper
153	100		
152	55.6	17.2	77.2
154	58.9	60.8	120.8#

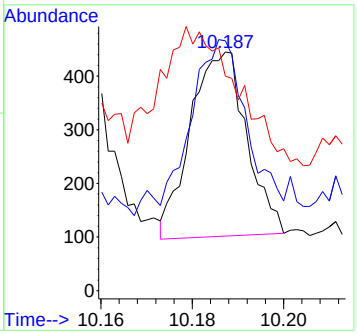


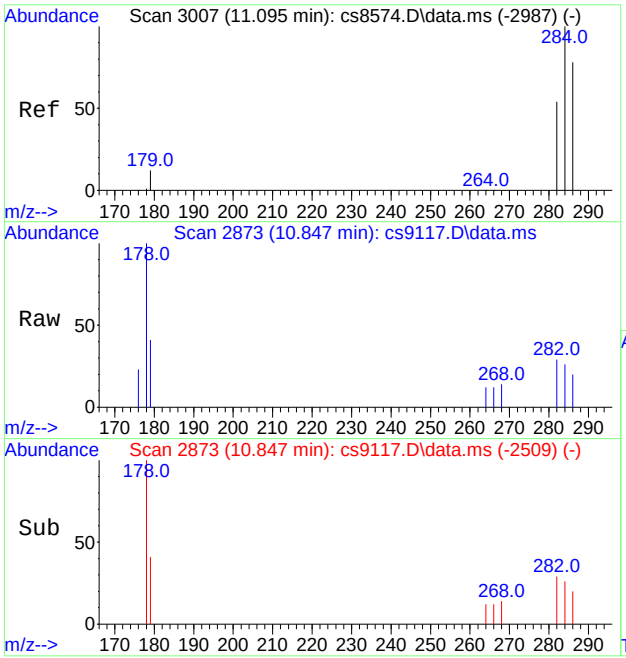


#15
Fluorene
Concen: 2.1776 ppb
RT: 10.187 min Scan# 2400
Delta R.T. 0.006 min
Lab File: cs9117.D
Acq: 18 Oct 2025 05:26 pm

Tgt Ion:166 Resp: 294

Ion	Ratio	Lower	Upper
166	100		
165	92.8	64.1	124.1
167	18.7	0.0	43.0

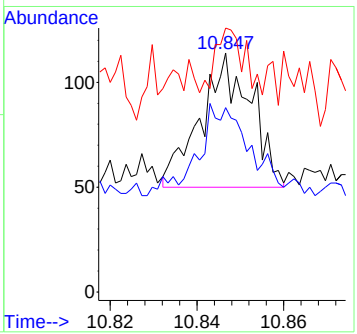


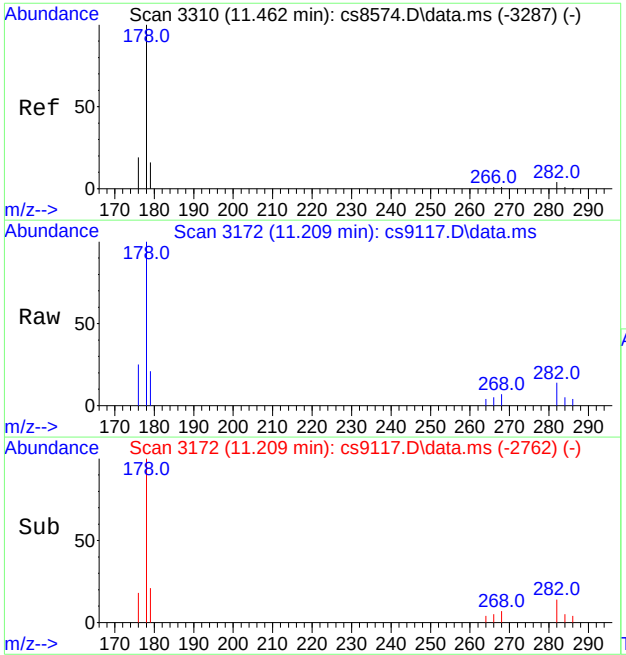


#19
Hexachlorobenzene
Concen: 1.4784 ppb m
RT: 10.847 min Scan# 2873
Delta R.T. 0.005 min
Lab File: cs9117.D
Acq: 18 Oct 2025 05:26 pm

Tgt Ion:284 Resp: 51

Ion	Ratio	Lower	Upper
284	100		
286	77.2	48.5	108.5
282	110.5	21.9	81.9#

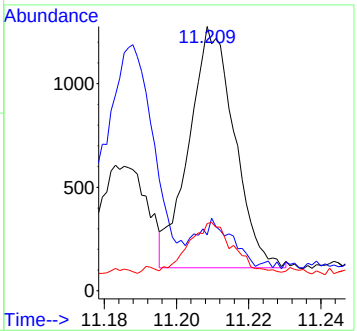


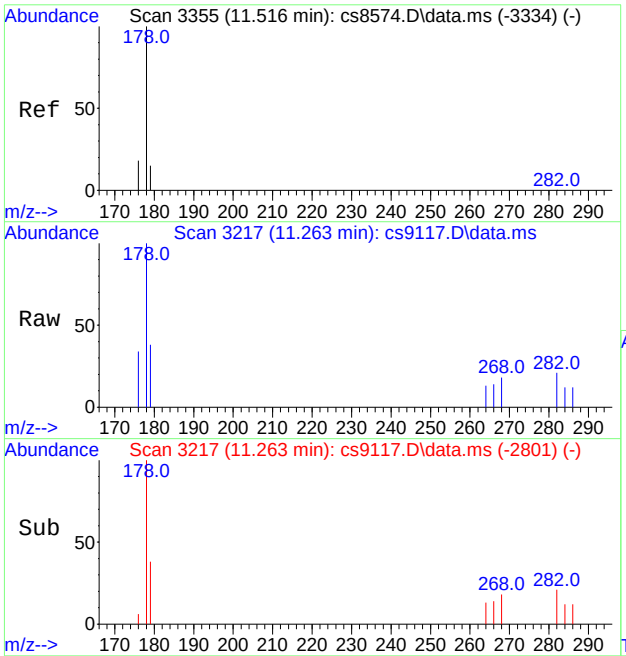


#21
Phenanthrene
Concen: 5.6420 ppb m
RT: 11.209 min Scan# 3172
Delta R.T. 0.006 min
Lab File: cs9117.D
Acq: 18 Oct 2025 05:26 pm

Tgt Ion:178 Resp: 1012

Ion	Ratio	Lower	Upper
178	100		
179	21.1	0.0	44.9
176	25.5	0.0	49.3

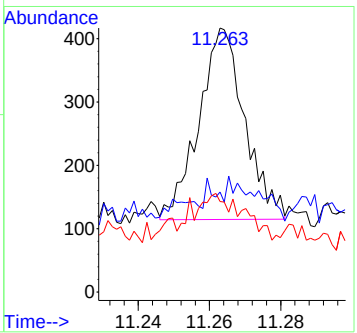


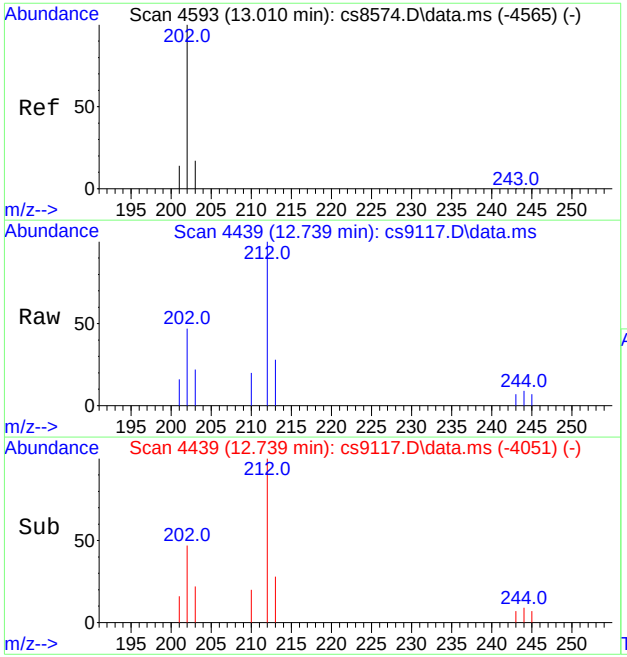


#22
Anthracene
Concen: 1.6324 ppb m
RT: 11.263 min Scan# 3217
Delta R.T. 0.006 min
Lab File: cs9117.D
Acq: 18 Oct 2025 05:26 pm

Tgt Ion:178 Resp: 270

Ion	Ratio	Lower	Upper
178	100		
179	37.9	0.0	44.9
176	34.3	0.0	48.0

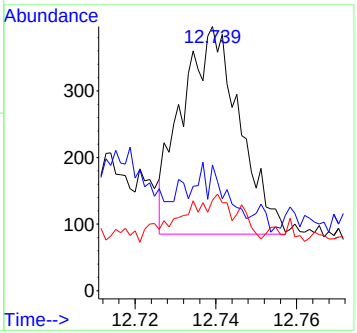


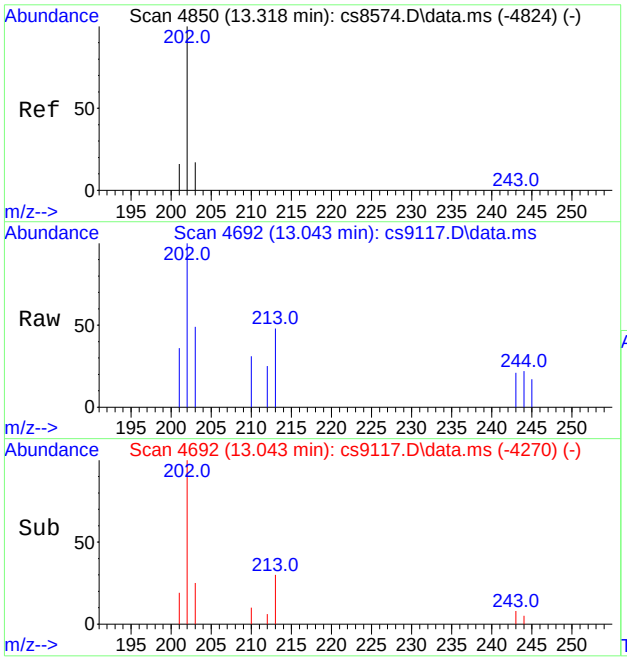


#23
Fluoranthene
Concen: 1.6358 ppb m
RT: 12.739 min Scan# 4439
Delta R.T. 0.007 min
Lab File: cs9117.D
Acq: 18 Oct 2025 05:26 pm

Tgt Ion:202 Resp: 308

Ion	Ratio	Lower	Upper
202	100		
203	47.6	0.0	46.9#
201	34.3	0.0	44.3

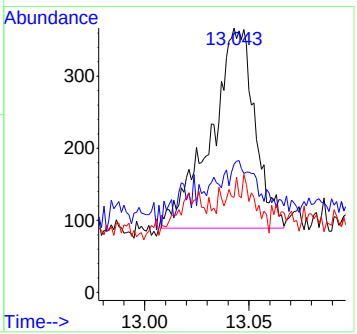


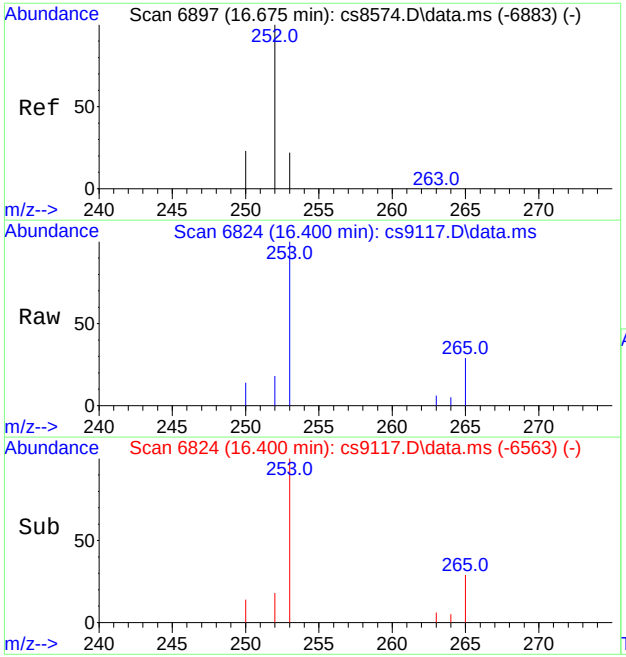


#24
Pyrene
Concen: 2.1328 ppb m
RT: 13.043 min Scan# 4692
Delta R.T. 0.006 min
Lab File: cs9117.D
Acq: 18 Oct 2025 05:26 pm

Tgt Ion:202 Resp: 408

Ion	Ratio	Lower	Upper
202	100		
203	48.5	0.0	47.4#
201	36.0	0.0	46.9

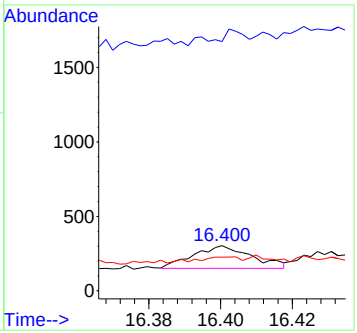


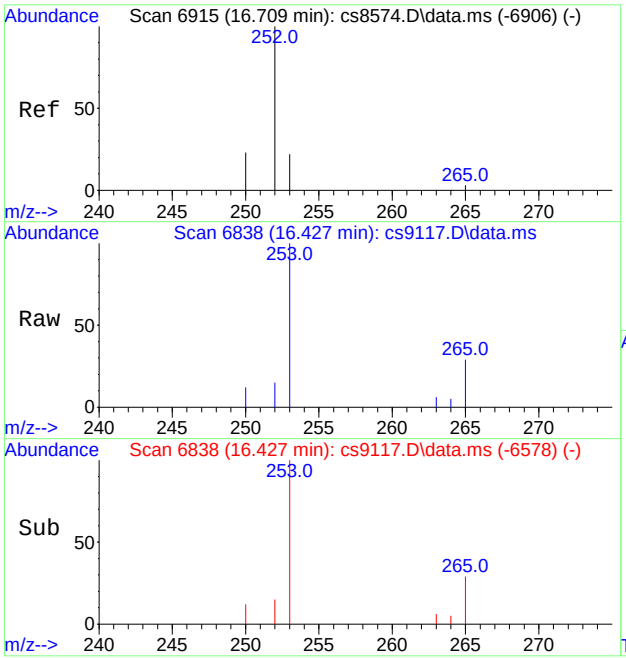


#29
Benzo[b]fluoranthene
Concen: 1.4105 ppb m
RT: 16.400 min Scan# 6824
Delta R.T. 0.015 min
Lab File: cs9117.D
Acq: 18 Oct 2025 05:26 pm

Tgt Ion:252 Resp: 173

Ion	Ratio	Lower	Upper
252	100		
253	552.1	0.0	51.0#
250	74.6	0.0	52.9#

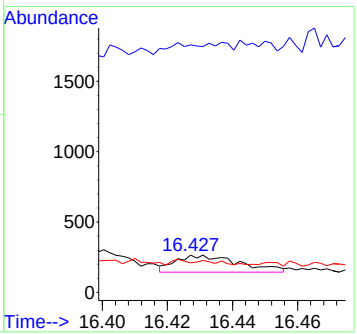


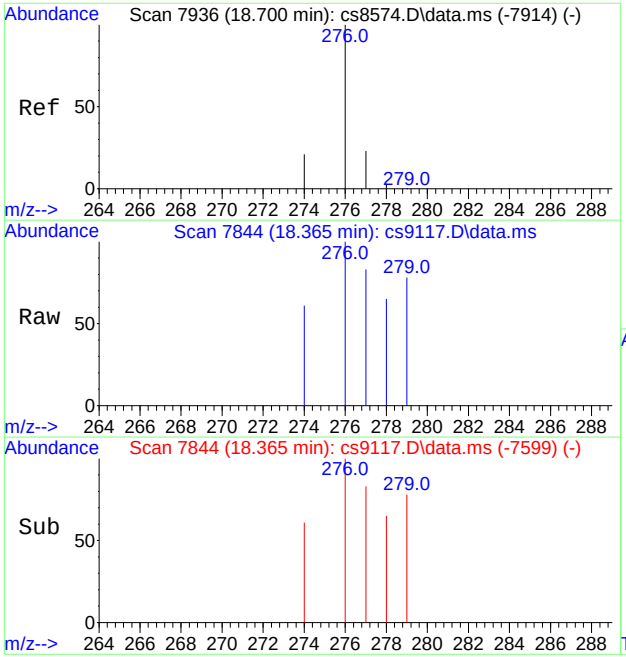


#30
Benzo[k]fluoranthene
Concen: 1.4251 ppb m
RT: 16.427 min Scan# 6838
Delta R.T. 0.010 min
Lab File: cs9117.D
Acq: 18 Oct 2025 05:26 pm

Tgt Ion:252 Resp: 163

Ion	Ratio	Lower	Upper
252	100		
253	663.8	0.0	50.6#
250	79.2	0.0	52.8#

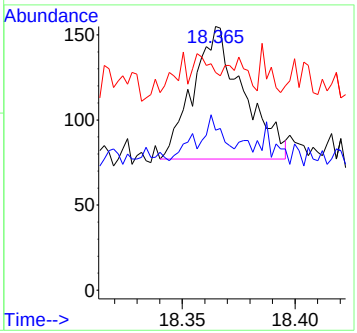


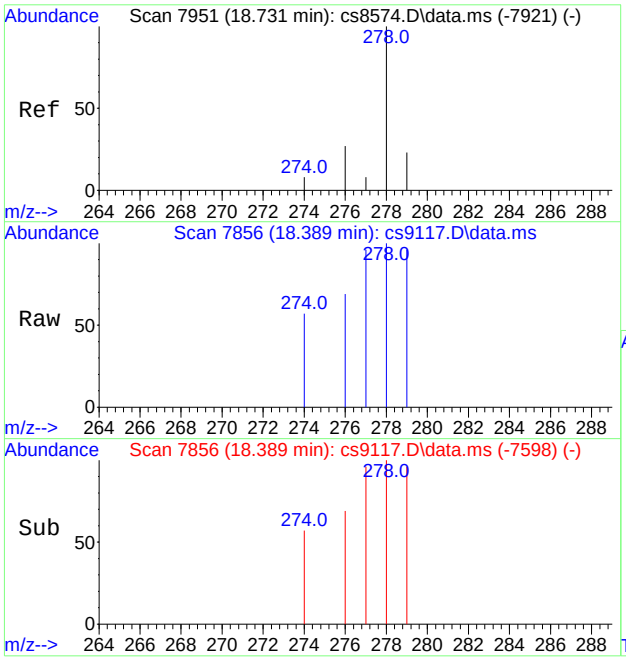


#32
Indeno[1,2,3-cd]pyrene
Concen: 1.3488 ppb m
RT: 18.365 min Scan# 7844
Delta R.T. 0.021 min
Lab File: cs9117.D
Acq: 18 Oct 2025 05:26 pm

Tgt Ion:276 Resp: 121

Ion	Ratio	Lower	Upper
276	100		
274	60.6	0.0	52.5#
277	82.6	0.0	55.7#

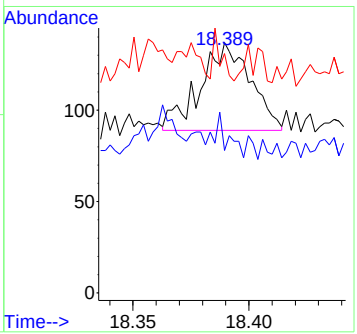


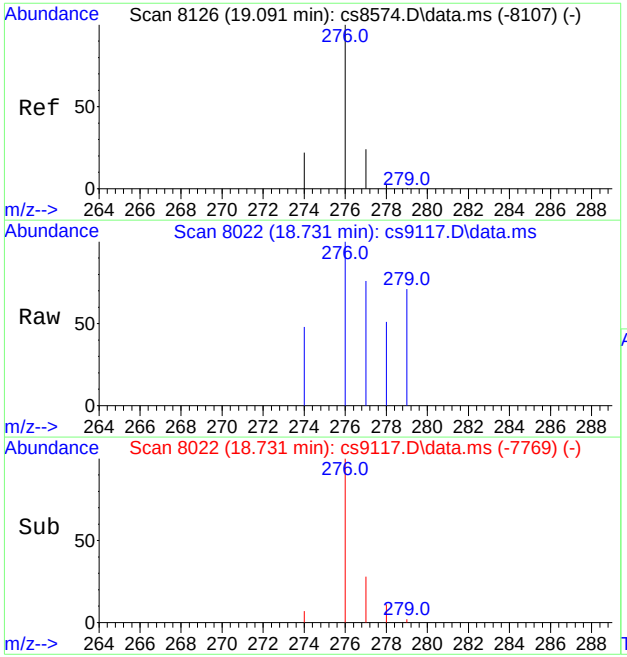


#33
Dibenz[a,h]anthracene
Concen: 0.8561 ppb m
RT: 18.389 min Scan# 7856
Delta R.T. 0.021 min
Lab File: cs9117.D
Acq: 18 Oct 2025 05:26 pm

Tgt Ion:278 Resp: 72

Ion	Ratio	Lower	Upper
278	100		
274	56.9	0.0	39.3#
277	95.6	0.0	39.0#

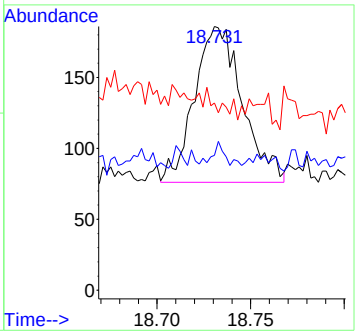




#34
Benzo[g,h,i]perylene
Concen: 2.1917 ppb m
RT: 18.731 min Scan# 8022
Delta R.T. 0.021 min
Lab File: cs9117.D
Acq: 18 Oct 2025 05:26 pm

Tgt Ion:276 Resp: 196

Ion	Ratio	Lower	Upper
276	100		
278	51.1	0.0	32.6#
279	71.0	0.0	30.1#



Manual Integration Approval Summary

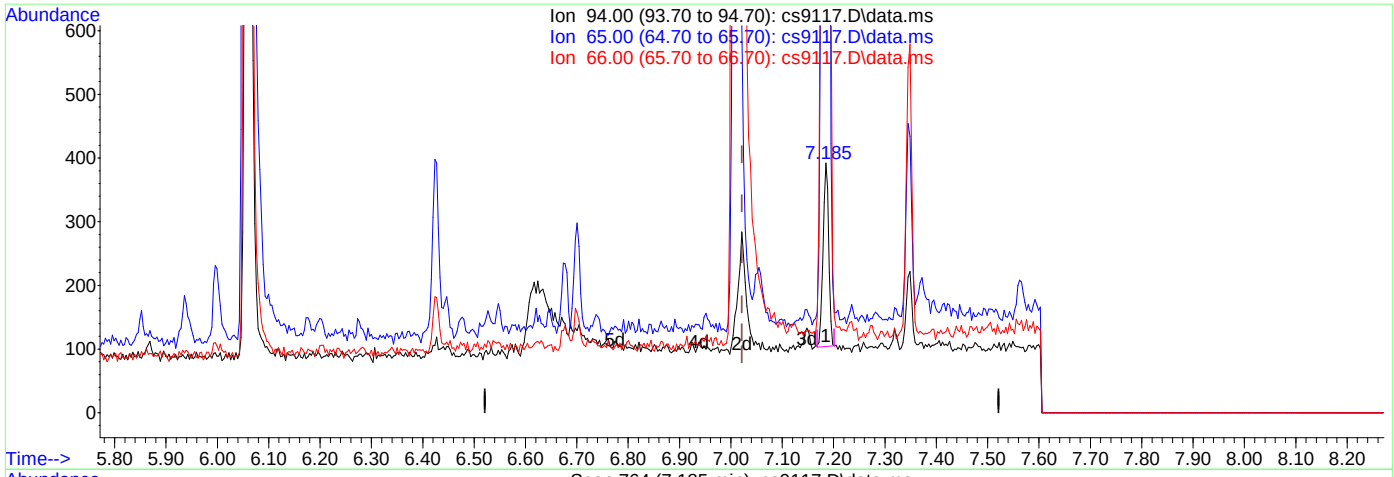
Sample Number: OP68253A-MB1
Lab FileID: CS9117.D
Injection Time: 10/18/25 17:26
Method: SW846 8270E BY SIM
Analyst approved: 10/20/25 16:30 Lorena Tafur
Supervisor approved: 10/21/25 11:23 Ying Li

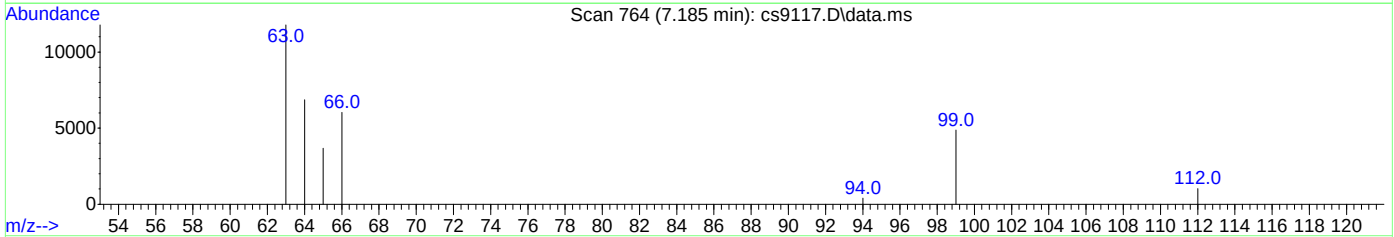
Parameter	CAS	Sig#	R.T. (min.)	Reason
Phenol	108-95-2		7.02	Poor instrument integration
1-Methylnaphthalene	90-12-0		8.89	Poor instrument integration
Hexachlorobenzene	118-74-1		10.85	Poor instrument integration
Phenanthrene	85-01-8		11.21	Poor instrument integration
Anthracene	120-12-7		11.26	Poor instrument integration
Fluoranthene	206-44-0		12.74	Poor instrument integration
Pyrene	129-00-0		13.04	Poor instrument integration
Benzo(b)fluoranthene	205-99-2		16.40	Poor instrument integration
Benzo(k)fluoranthene	207-08-9		16.43	Poor instrument integration
Indeno(1,2,3-cd)pyrene	193-39-5		18.36	Poor instrument integration
Dibenzo(a,h)anthracene	53-70-3		18.39	Poor instrument integration
Benzo(g,h,i)perylene	191-24-2		18.73	Poor instrument integration

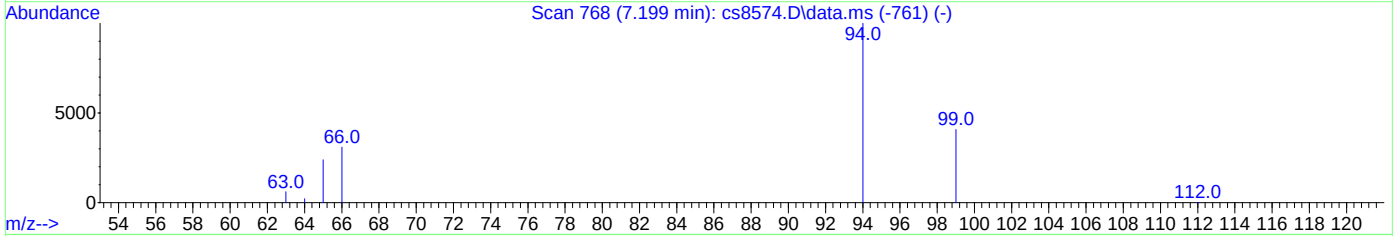
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\lorenat\Octubre\2025-10-20\ecs470\
Data File : cs9117.D
Acq On : 18 Oct 2025 05:26 pm
Operator : rocquans
Sample : op68253a-mb1 Inst : GCMS_CS
Misc : op68253a,ecs470,250,,,1,1
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Oct 20 18:07:13 2025
Quant Method : X:\Dayton SVOA GCMS\lorenat\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 18:05:43 2025
Response via : Initial Calibration







TIC: cs9117.D\data.ms

(5) Phenol

7.185min (+0.164) 3.06ppb

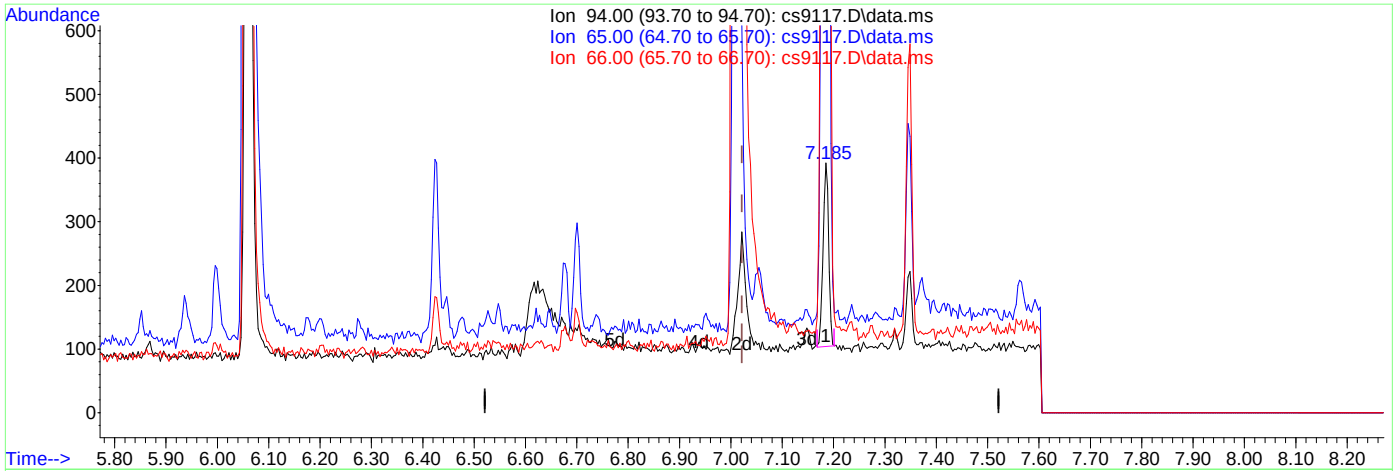
response 220

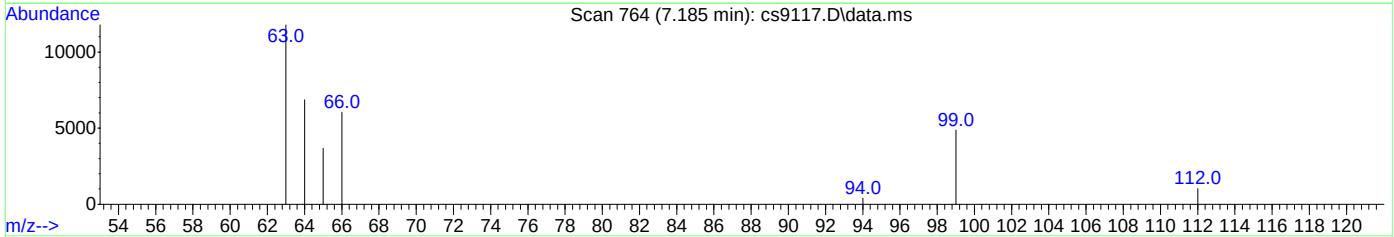
Ion	Exp%	Act%
94.00	100	100
65.00	24.40	1225.31#
66.00	31.10	2050.26#
0.00	0.00	0.00

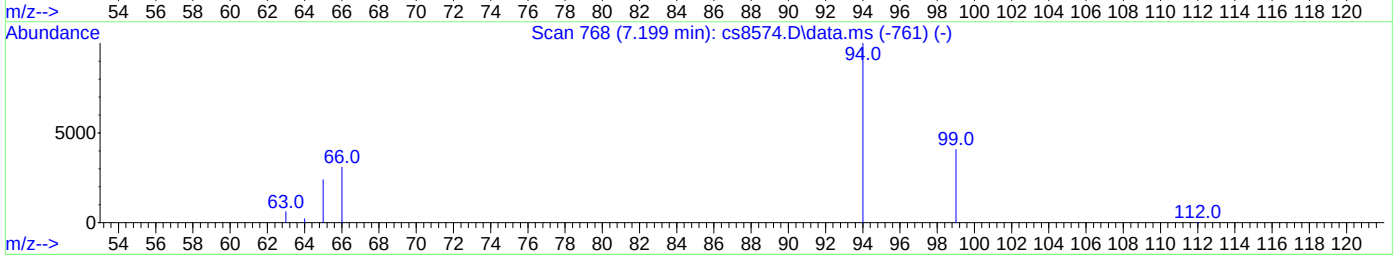
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\lorenat\Octubre\2025-10-20\ecs470\
Data File : cs9117.D
Acq On : 18 Oct 2025 05:26 pm
Operator : rocquans
Sample : op68253a-mb1 Inst : GCMS_CS
Misc : op68253a,ecs470,250,,,1,1
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Oct 20 18:07:13 2025
Quant Method : X:\Dayton SVOA GCMS\lorenat\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 18:05:43 2025
Response via : Initial Calibration







TIC: cs9117.D\data.ms

(5) Phenol

7.185min (+0.164) 3.06ppb

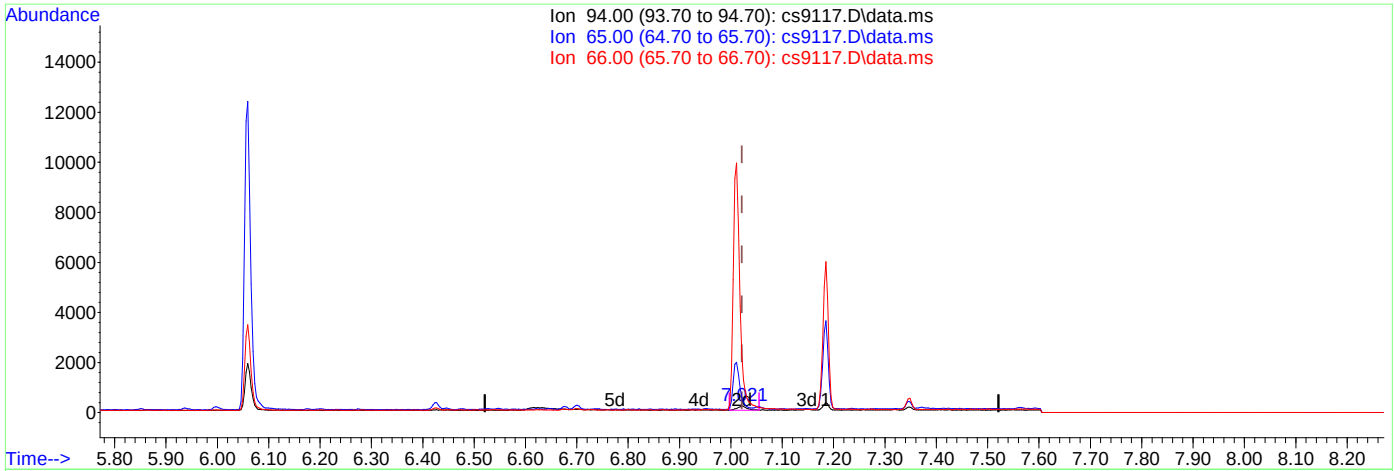
response 220

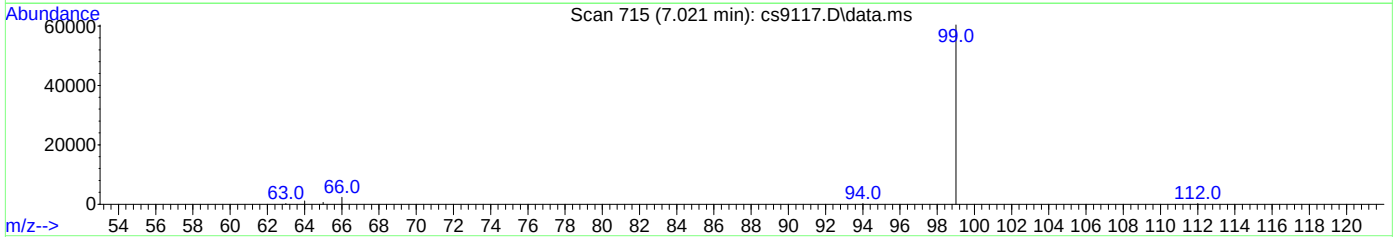
Ion	Exp%	Act%
94.00	100	100
65.00	24.40	1225.31#
66.00	31.10	2050.26#
0.00	0.00	0.00

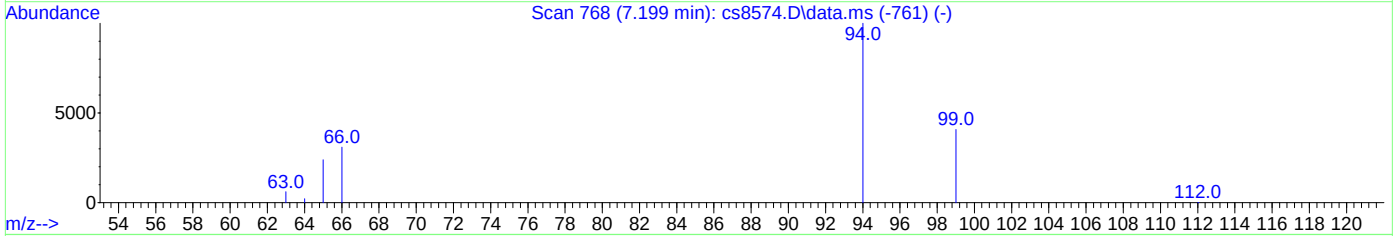
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\lorenat\Octubre\2025-10-20\ecs470\
Data File : cs9117.D
Acq On : 18 Oct 2025 05:26 pm
Operator : rocquans
Sample : op68253a-mb1 Inst : GCMS_CS
Misc : op68253a,ecs470,250,,,1,1
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Oct 20 18:07:13 2025
Quant Method : X:\Dayton SVOA GCMS\lorenat\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 18:05:43 2025
Response via : Initial Calibration







TIC: cs9117.D\data.ms

(5) Phenol

7.021min (0.000) 3.25ppb m

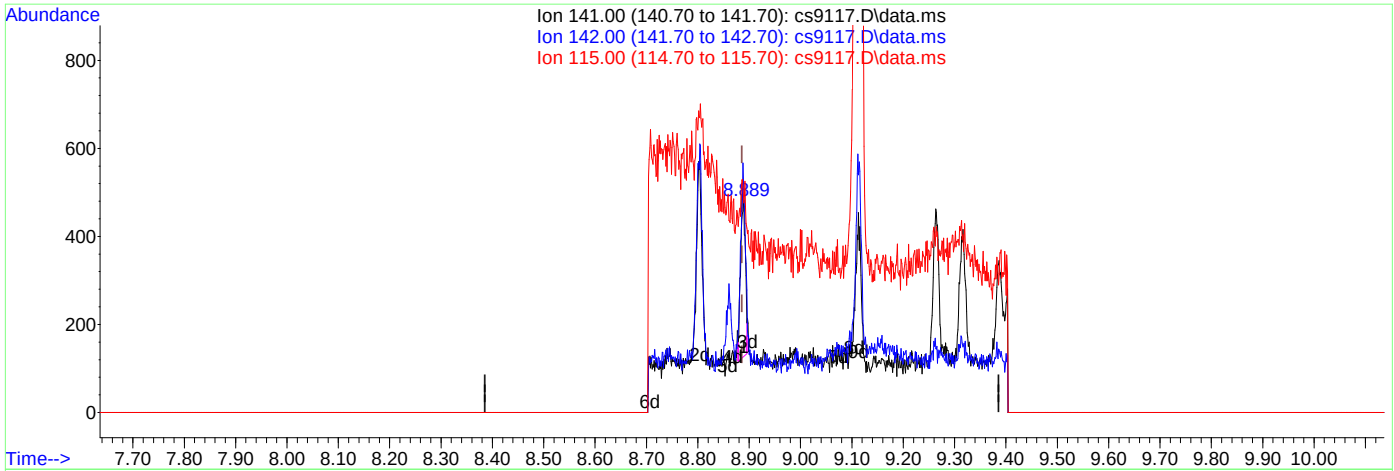
response 234

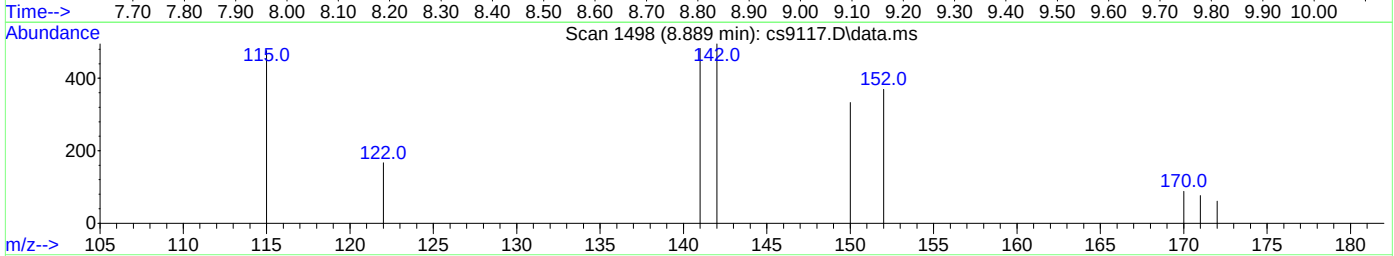
Ion	Exp%	Act%
94.00	100	100
65.00	24.40	214.79#
66.00	31.10	803.87#
0.00	0.00	0.00

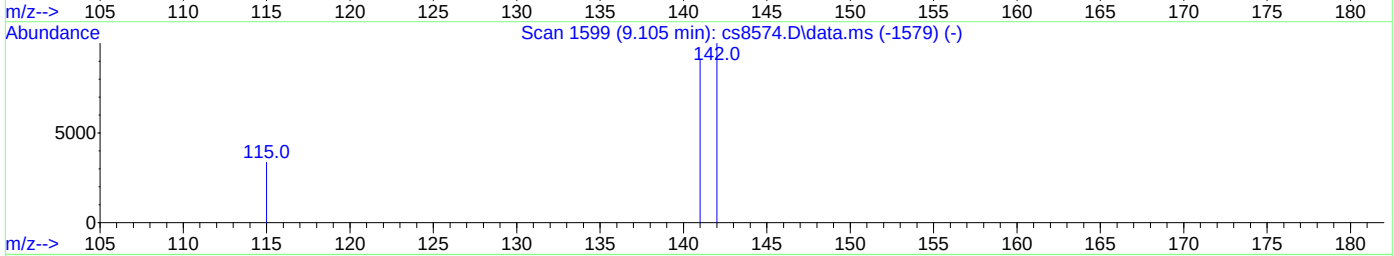
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\lorenat\Octubre\2025-10-20\ecs470\
Data File : cs9117.D
Acq On : 18 Oct 2025 05:26 pm
Operator : rocquans
Sample : op68253a-mb1 Inst : GCMS_CS
Misc : op68253a,ecs470,250,,,1,1
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Oct 20 18:07:13 2025
Quant Method : X:\Dayton SVOA GCMS\lorenat\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 18:05:43 2025
Response via : Initial Calibration







TIC: cs9117.D\data.ms

(10) 1-Methylnaphthalene (t)

8.889min (+0.004) 2.22ppb

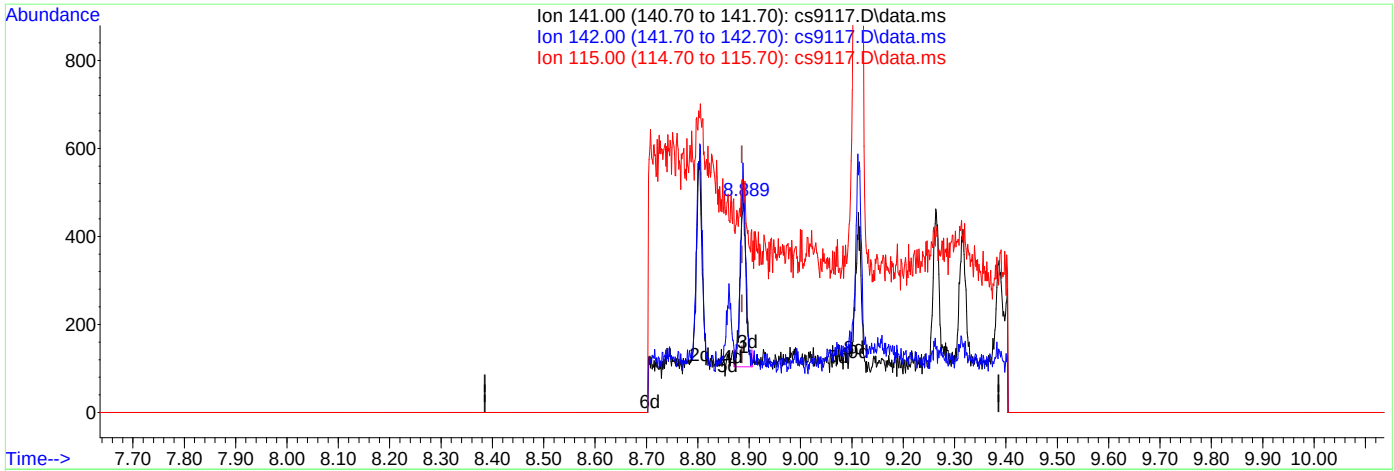
response 232

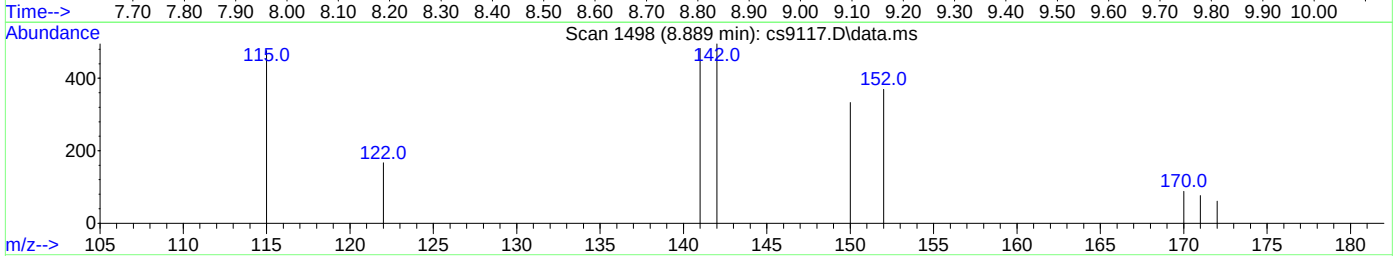
Ion	Exp%	Act%
141.00	100	100
142.00	112.60	87.69
115.00	37.60	18.30
0.00	0.00	0.00

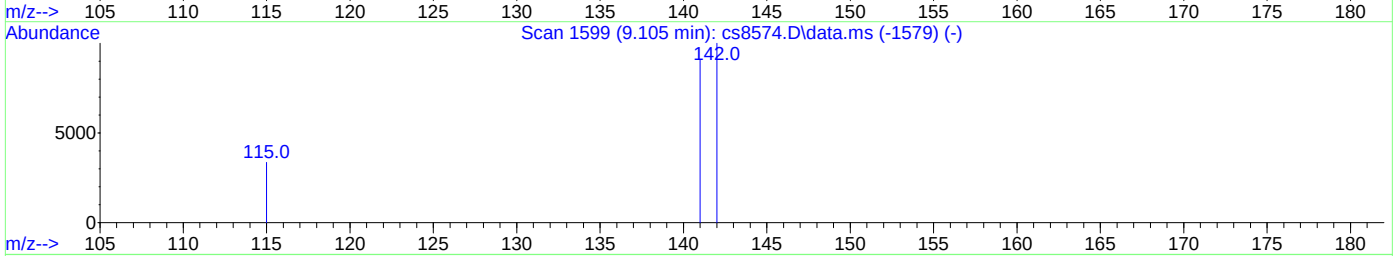
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\lorenat\Octubre\2025-10-20\ecs470\
Data File : cs9117.D
Acq On : 18 Oct 2025 05:26 pm
Operator : rocquans
Sample : op68253a-mb1 Inst : GCMS_CS
Misc : op68253a,ecs470,250,,,1,1
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Oct 20 18:07:13 2025
Quant Method : X:\Dayton SVOA GCMS\lorenat\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 18:05:43 2025
Response via : Initial Calibration







TIC: cs9117.D\data.ms

(10) 1-Methylnaphthalene (t)

8.889min (+0.004) 2.86ppb m

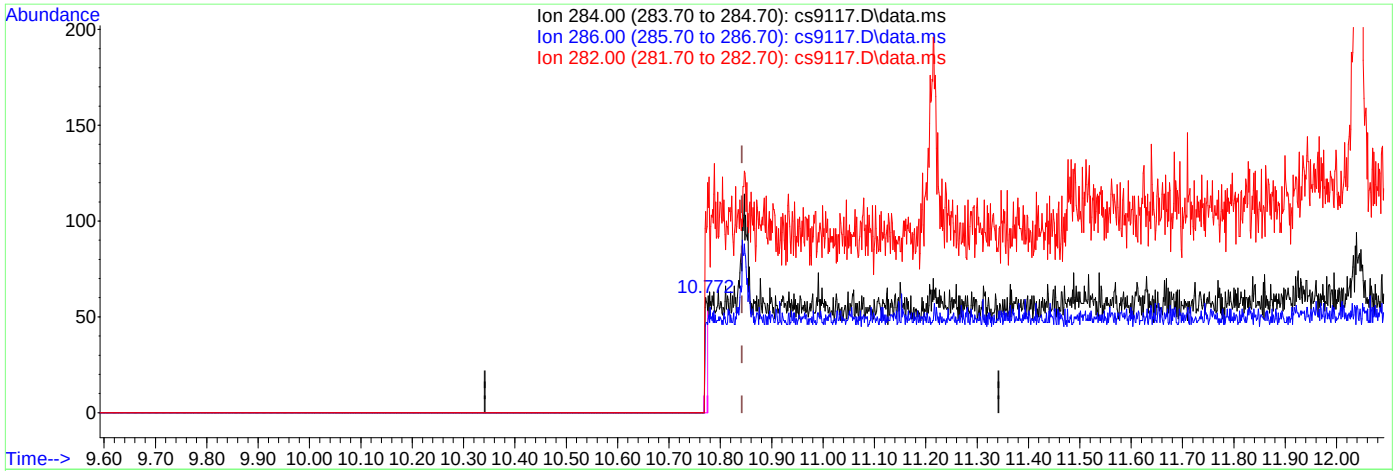
response 298

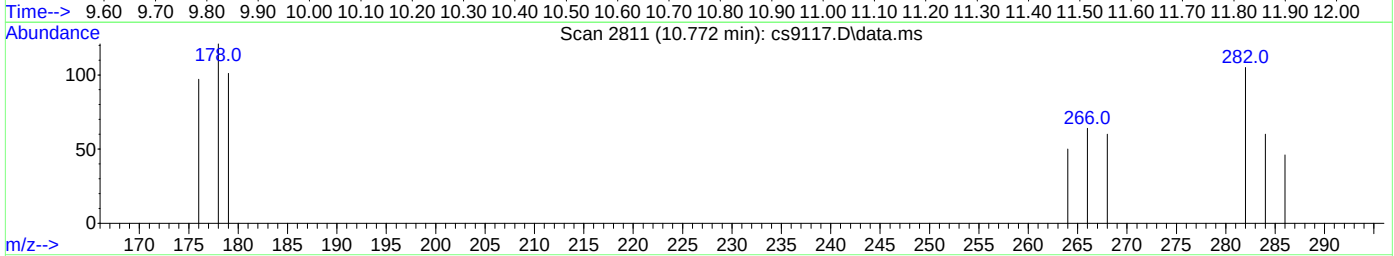
Ion	Exp%	Act%
141.00	100	100
142.00	112.60	102.70
115.00	37.60	98.76#
0.00	0.00	0.00

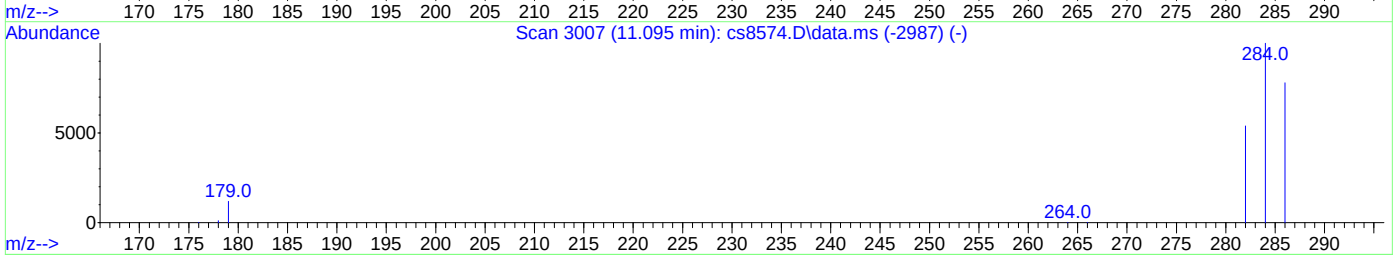
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\lorenat\Octubre\2025-10-20\ecs470\
Data File : cs9117.D
Acq On : 18 Oct 2025 05:26 pm
Operator : rocquans
Sample : op68253a-mb1 Inst : GCMS_CS
Misc : op68253a,ecs470,250,,,1,1
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Oct 20 18:07:13 2025
Quant Method : X:\Dayton SVOA GCMS\lorenat\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 18:05:43 2025
Response via : Initial Calibration







TIC: cs9117.D\data.ms

(19) Hexachlorobenzene (t)

10.772min (-0.070) 0.61ppb

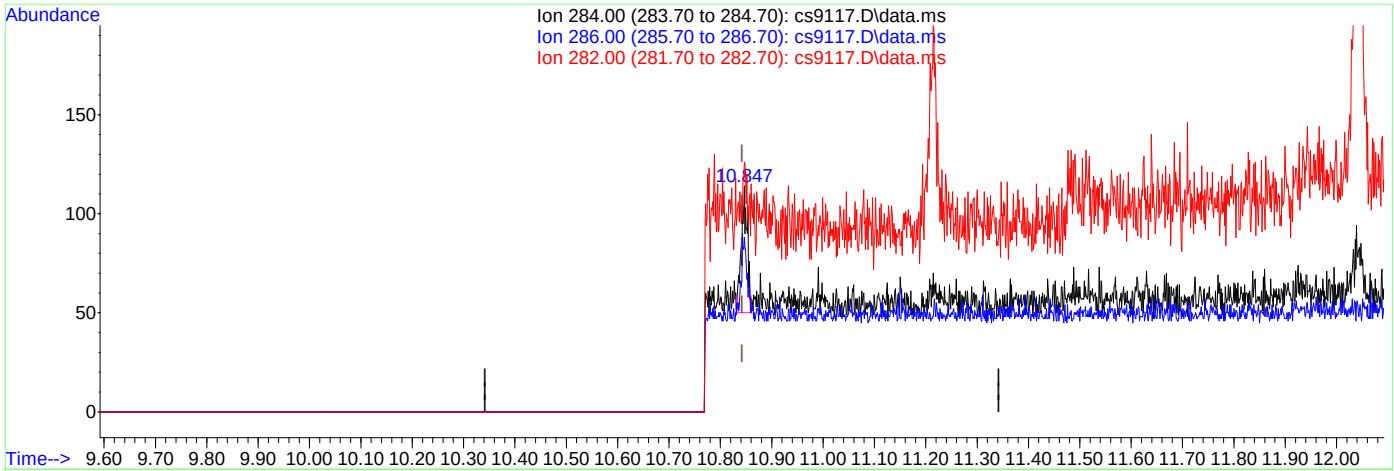
response 21

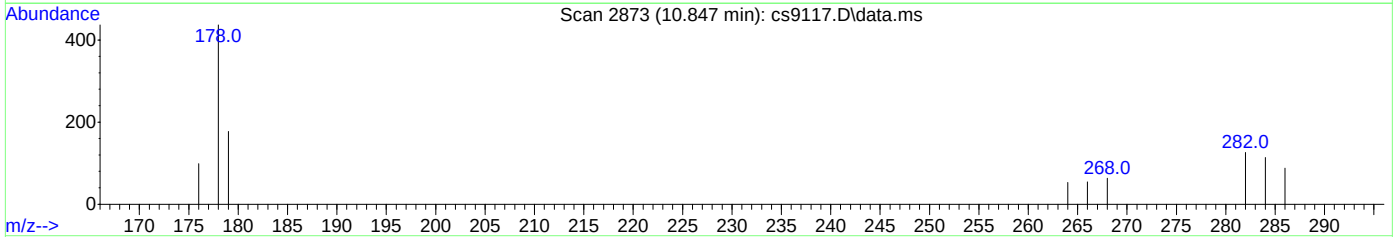
Ion	Exp%	Act%
284.00	100	100
286.00	78.50	68.66
282.00	51.90	134.33#
0.00	0.00	0.00

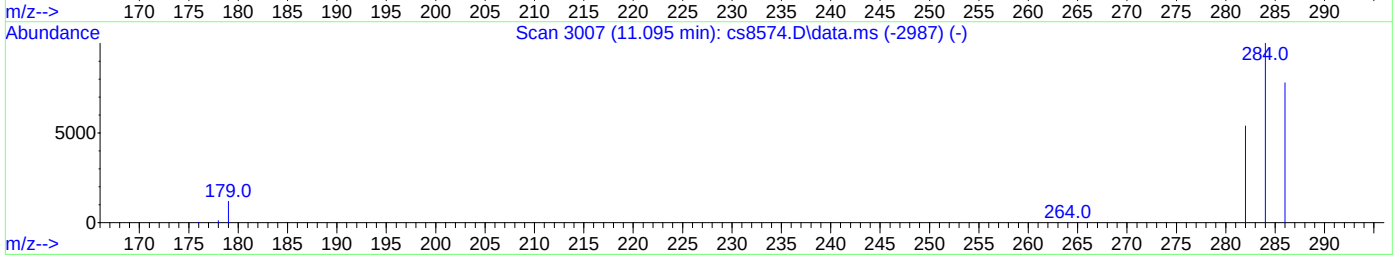
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\lorenat\Octubre\2025-10-20\ecs470\
Data File : cs9117.D
Acq On : 18 Oct 2025 05:26 pm
Operator : rocquans
Sample : op68253a-mb1 Inst : GCMS_CS
Misc : op68253a,ecs470,250,,,1,1
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Oct 20 18:07:13 2025
Quant Method : X:\Dayton SVOA GCMS\lorenat\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 18:05:43 2025
Response via : Initial Calibration







TIC: cs9117.D\data.ms

(19) Hexachlorobenzene (t)

10.847min (+0.005) 1.48ppb m

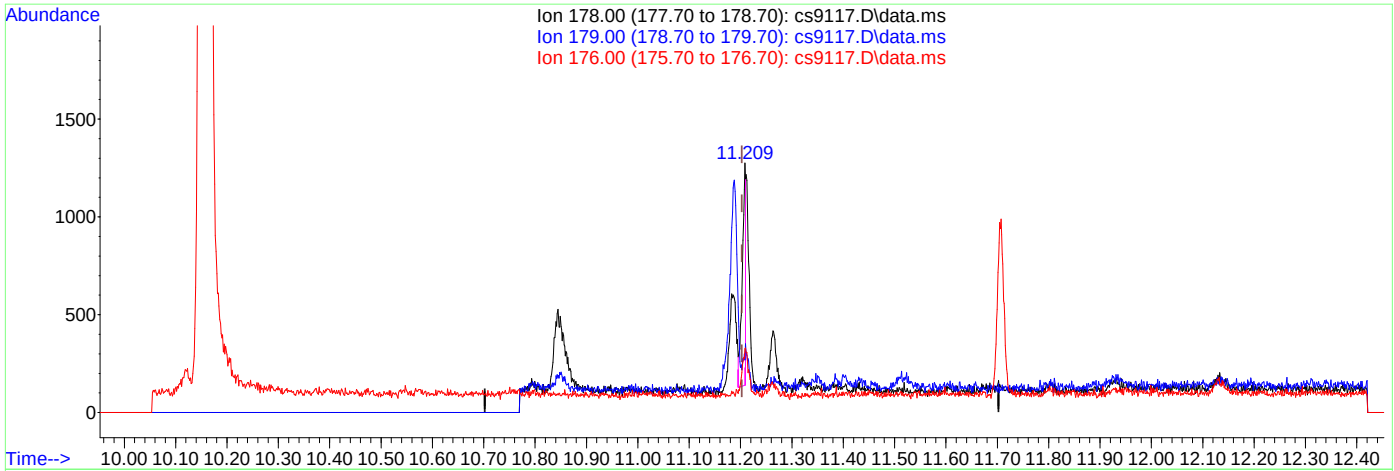
response 51

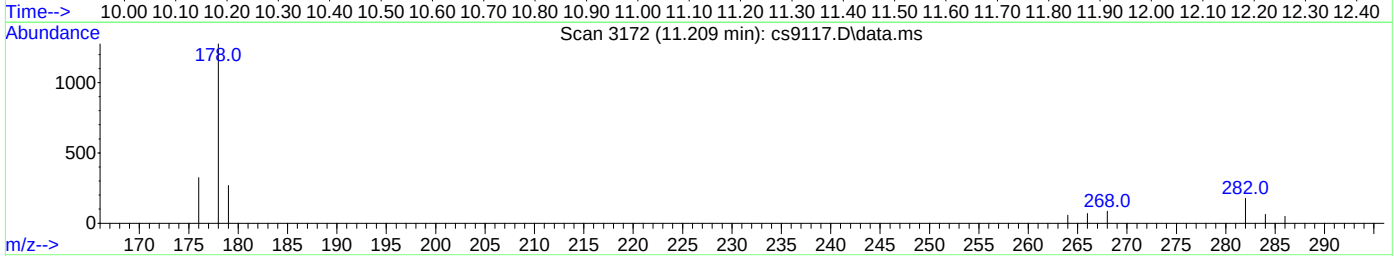
Ion	Exp%	Act%
284.00	100	100
286.00	78.50	77.19
282.00	51.90	110.53#
0.00	0.00	0.00

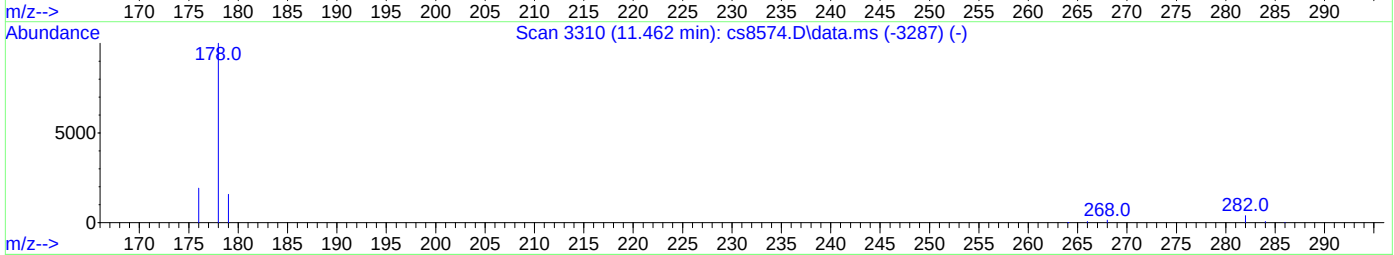
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\lorenat\Octubre\2025-10-20\ecs470\
Data File : cs9117.D
Acq On : 18 Oct 2025 05:26 pm
Operator : rocquans
Sample : op68253a-mb1 Inst : GCMS_CS
Misc : op68253a,ecs470,250,,,1,1
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Oct 20 18:07:13 2025
Quant Method : X:\Dayton SVOA GCMS\lorenat\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 18:05:43 2025
Response via : Initial Calibration







TIC: cs9117.D\data.ms

(21) Phenanthrene (t)

11.209min (+0.006) 2.88ppb

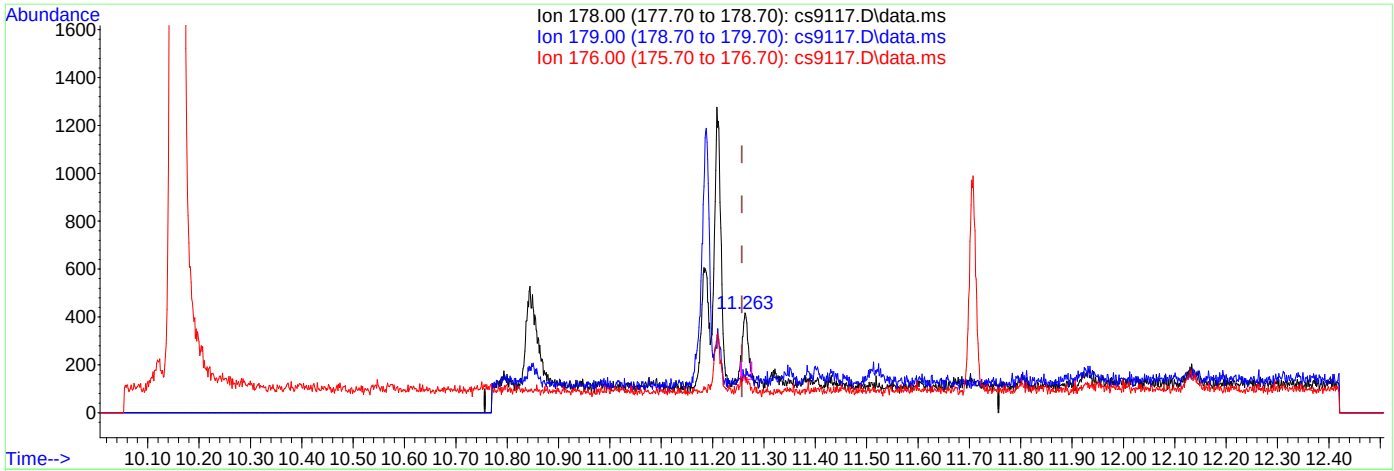
response 516

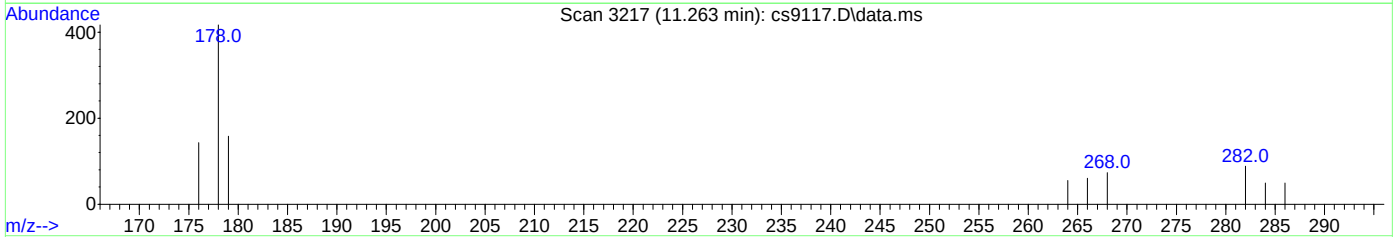
Ion	Exp%	Act%
178.00	100	100
179.00	14.90	0.00
176.00	19.30	20.71
0.00	0.00	0.00

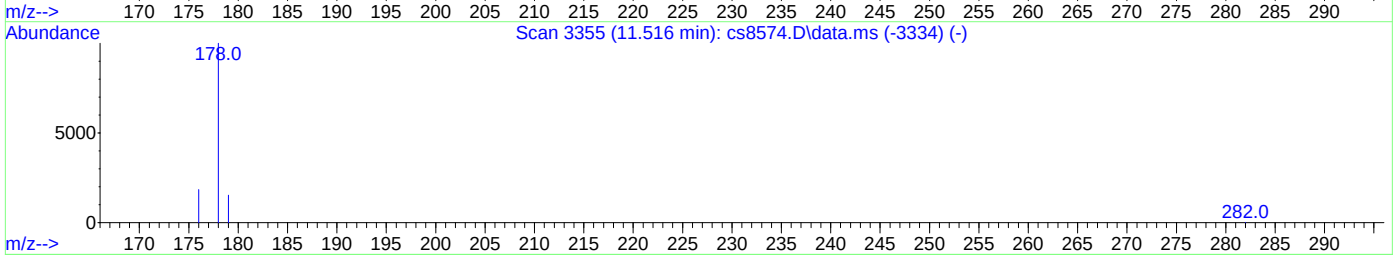
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\lorenat\Octubre\2025-10-20\ecs470\
Data File : cs9117.D
Acq On : 18 Oct 2025 05:26 pm
Operator : rocquans
Sample : op68253a-mb1 Inst : GCMS_CS
Misc : op68253a,ecs470,250,,,1,1
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Oct 20 18:07:13 2025
Quant Method : X:\Dayton SVOA GCMS\lorenat\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 18:05:43 2025
Response via : Initial Calibration







TIC: cs9117.D\data.ms

(22) Anthracene (t)

11.263min (+0.006) 1.20ppb

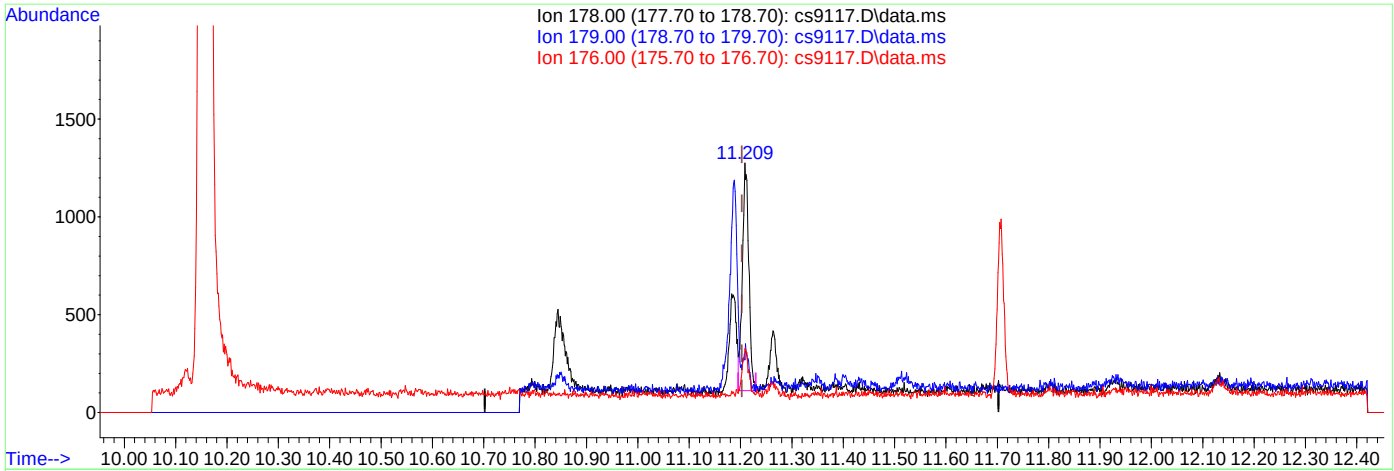
response 198

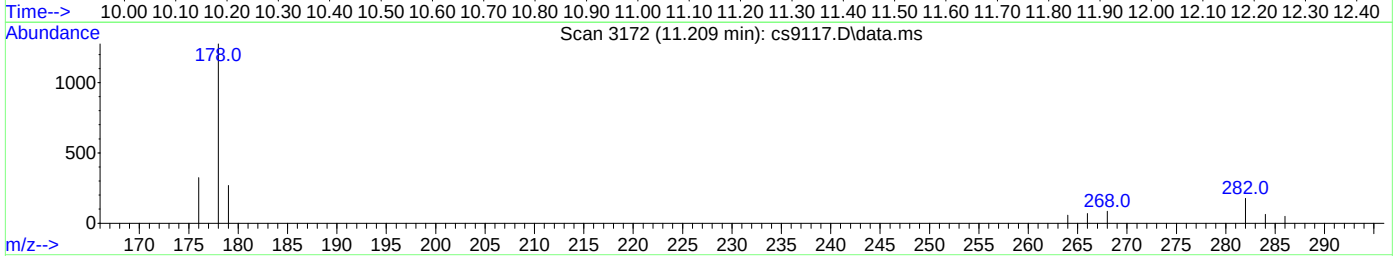
Ion	Exp%	Act%
178.00	100	100
179.00	14.90	5.29
176.00	18.00	14.38
0.00	0.00	0.00

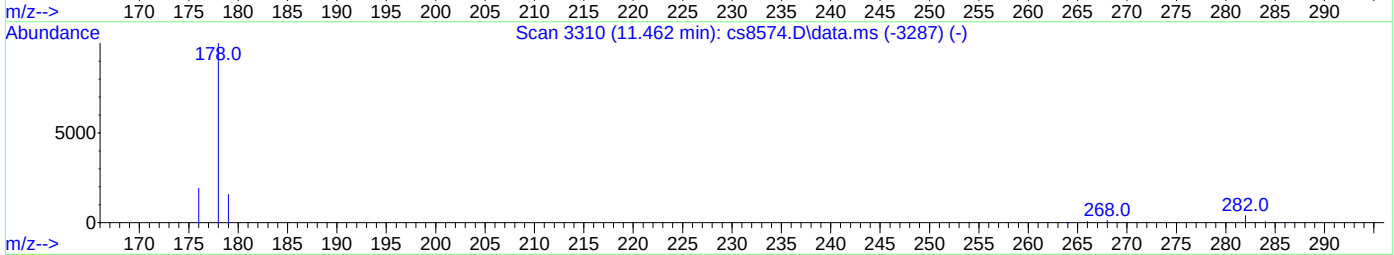
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\lorenat\Octubre\2025-10-20\ecs470\
Data File : cs9117.D
Acq On : 18 Oct 2025 05:26 pm
Operator : rocquans
Sample : op68253a-mb1 Inst : GCMS_CS
Misc : op68253a,ecs470,250,,,1,1
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Oct 20 18:07:13 2025
Quant Method : X:\Dayton SVOA GCMS\lorenat\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 18:05:43 2025
Response via : Initial Calibration







TIC: cs9117.D\data.ms

(21) Phenanthrene (t)

11.209min (+0.006) 5.64ppb m

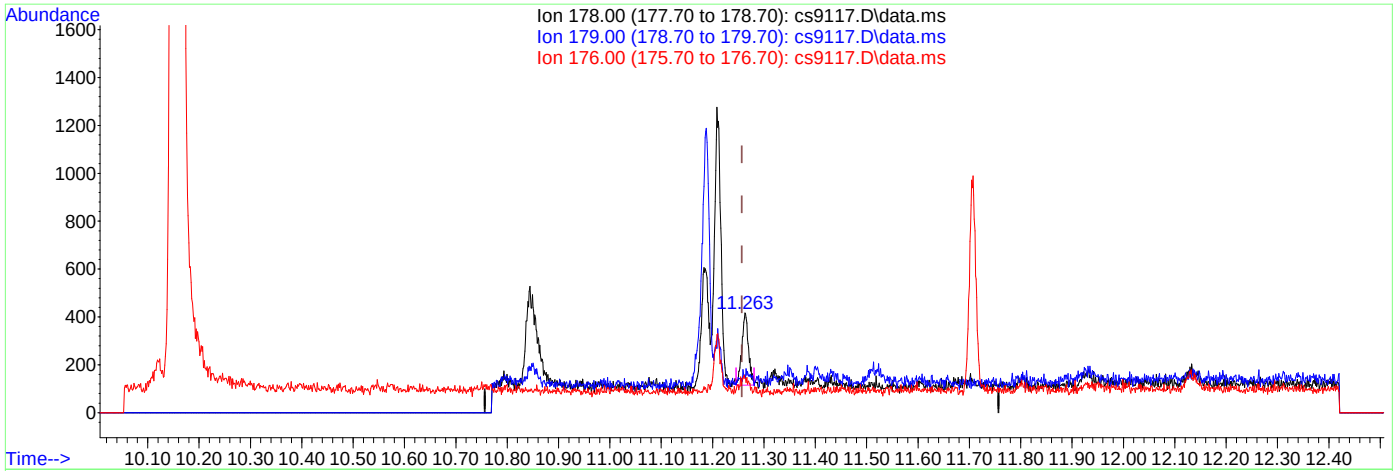
response 1012

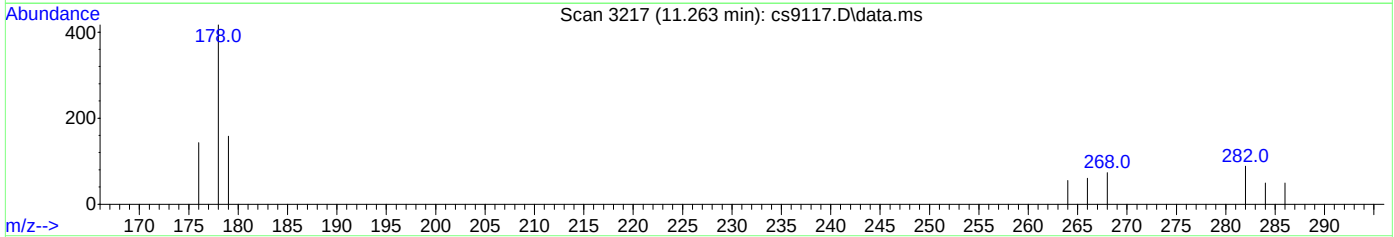
Ion	Exp%	Act%
178.00	100	100
179.00	14.90	21.08
176.00	19.30	25.47
0.00	0.00	0.00

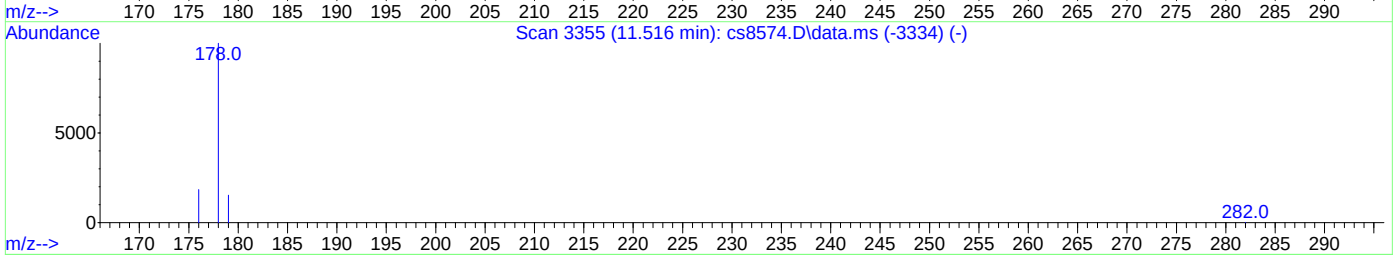
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\lorenat\Octubre\2025-10-20\ecs470\
Data File : cs9117.D
Acq On : 18 Oct 2025 05:26 pm
Operator : rocquans
Sample : op68253a-mb1 Inst : GCMS_CS
Misc : op68253a,ecs470,250,,,1,1
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Oct 20 18:07:13 2025
Quant Method : X:\Dayton SVOA GCMS\lorenat\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 18:05:43 2025
Response via : Initial Calibration







TIC: cs9117.D\data.ms

(22) Anthracene (t)

11.263min (+0.006) 1.63ppb m

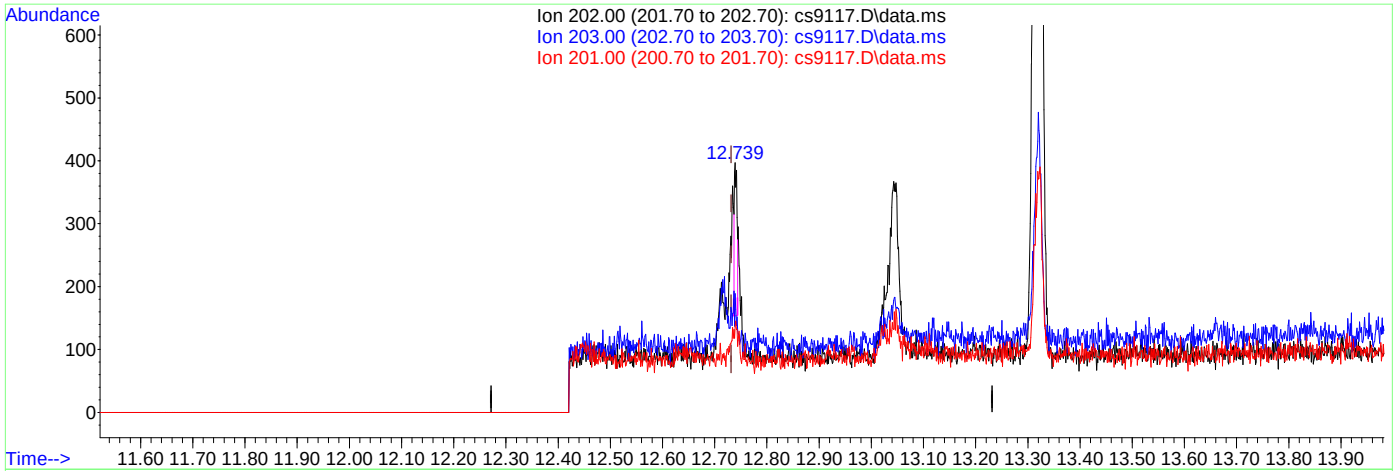
response 270

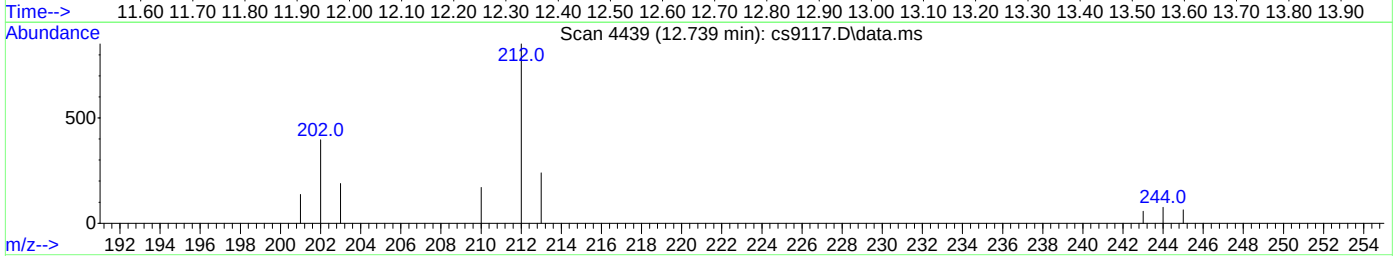
Ion	Exp%	Act%
178.00	100	100
179.00	14.90	37.89
176.00	18.00	34.29
0.00	0.00	0.00

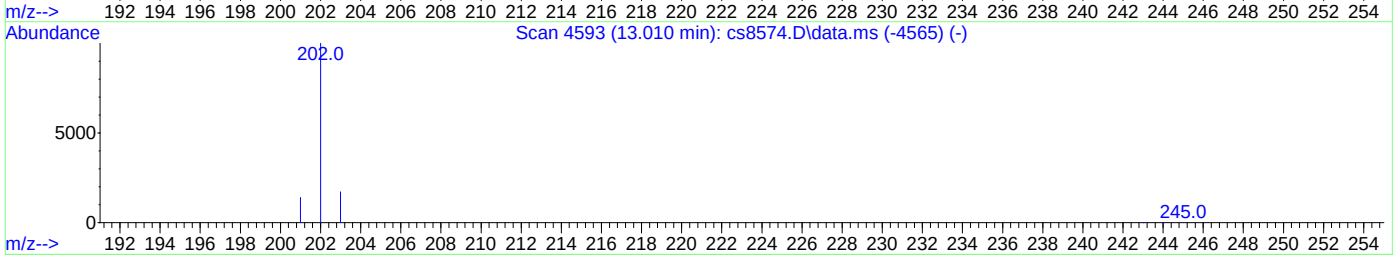
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\lorenat\Octubre\2025-10-20\ecs470\
Data File : cs9117.D
Acq On : 18 Oct 2025 05:26 pm
Operator : rocquans
Sample : op68253a-mb1 Inst : GCMS_CS
Misc : op68253a,ecs470,250,,,1,1
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Oct 20 18:07:13 2025
Quant Method : X:\Dayton SVOA GCMS\lorenat\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 18:05:43 2025
Response via : Initial Calibration







TIC: cs9117.D\data.ms

(23) Fluoranthene (t)

12.739min (+0.007) 0.45ppb

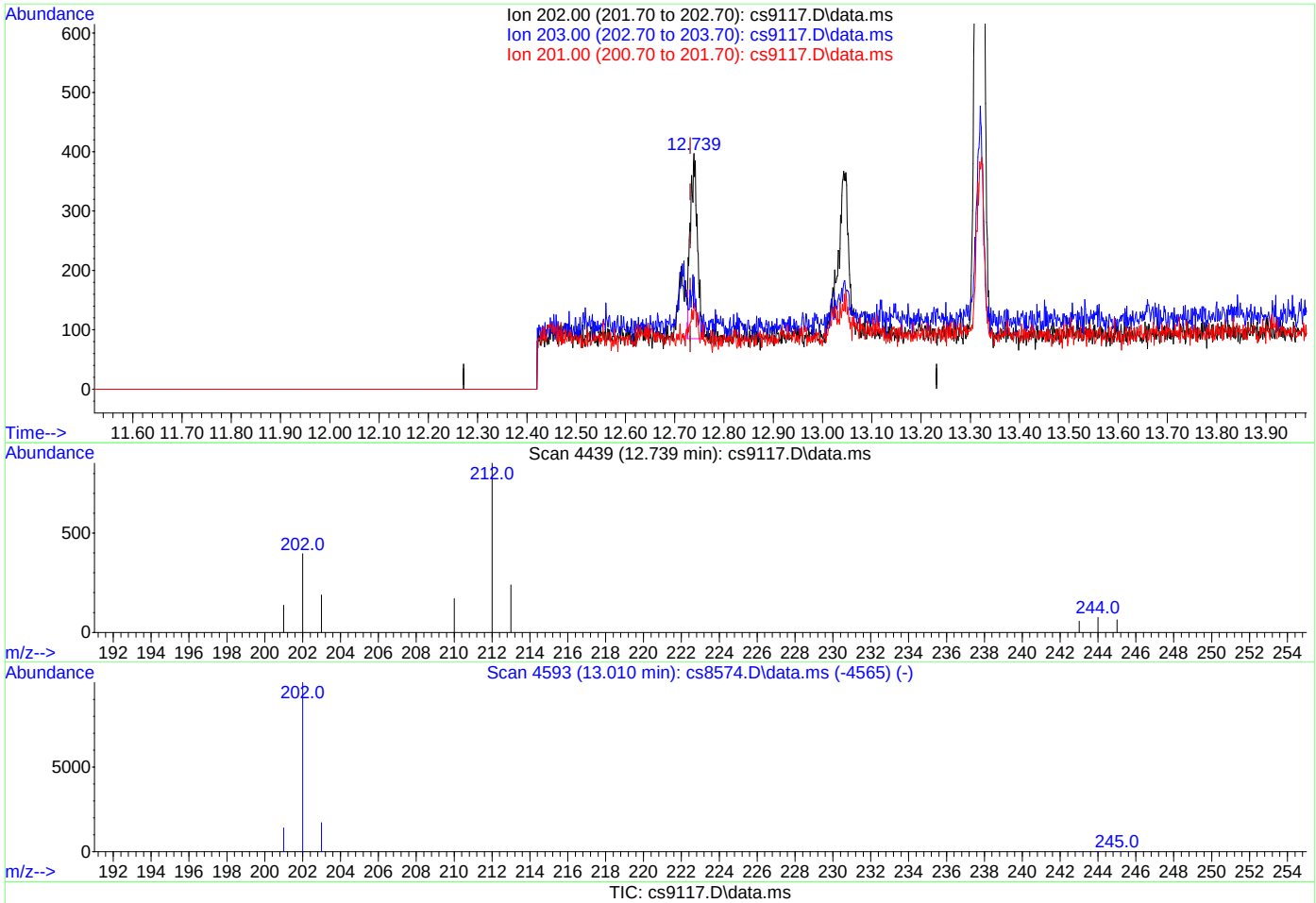
response 85

Ion	Exp%	Act%
202.00	100	100
203.00	16.90	26.96
201.00	14.30	17.16
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\lorenat\Octubre\2025-10-20\ecs470\
Data File : cs9117.D
Acq On : 18 Oct 2025 05:26 pm
Operator : rocquans
Sample : op68253a-mb1 Inst : GCMS_CS
Misc : op68253a,ecs470,250,,,1,1
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Oct 20 18:07:13 2025
Quant Method : X:\Dayton SVOA GCMS\lorenat\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 18:05:43 2025
Response via : Initial Calibration



TIC: cs9117.D\data.ms

(23) Fluoranthene (t)

12.739min (+0.007) 1.64ppb m

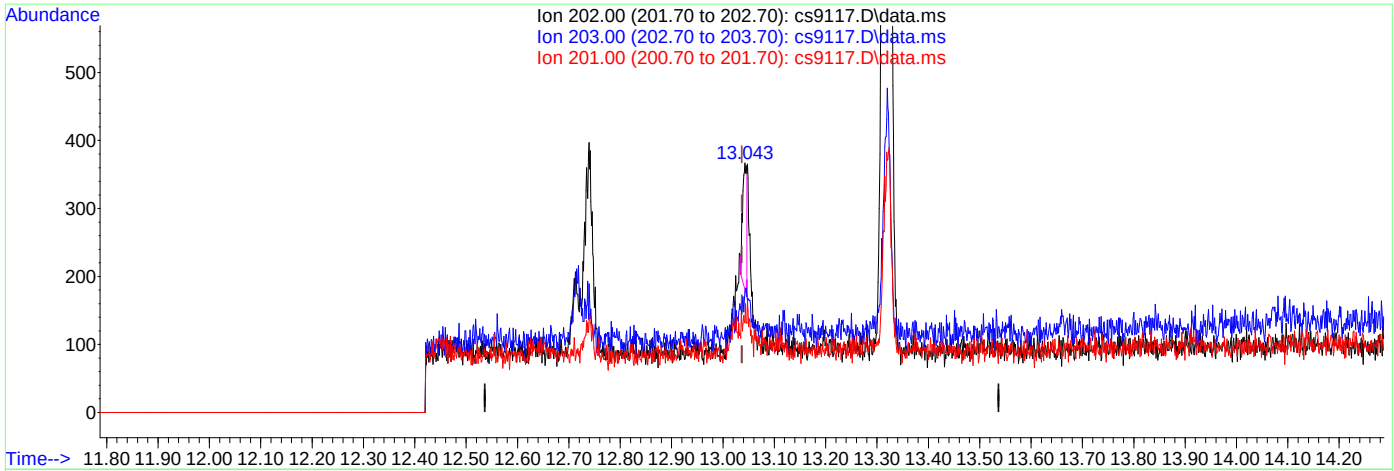
response 308

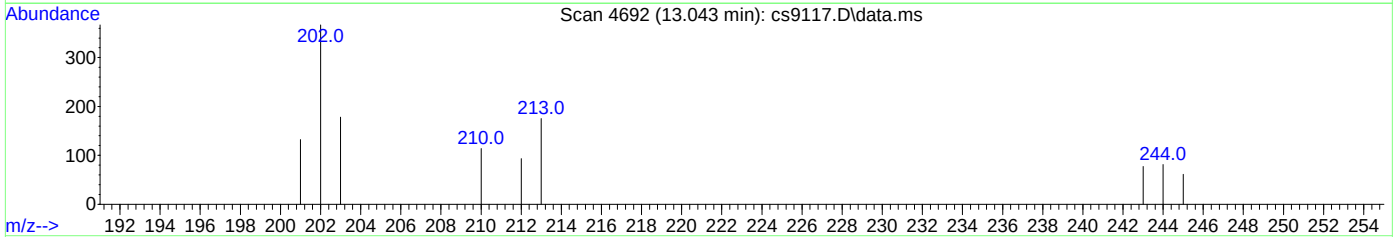
Ion	Exp%	Act%
202.00	100	100
203.00	16.90	47.61#
201.00	14.30	34.26
0.00	0.00	0.00

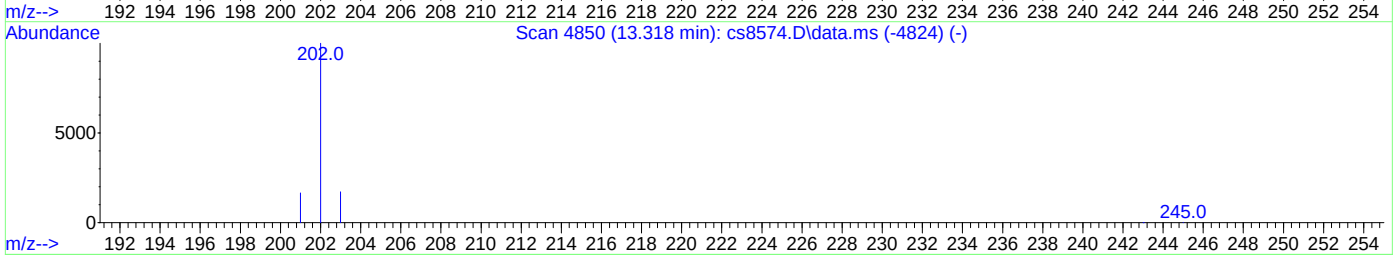
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\lorenat\Octubre\2025-10-20\ecs470\
Data File : cs9117.D
Acq On : 18 Oct 2025 05:26 pm
Operator : rocquans
Sample : op68253a-mb1 Inst : GCMS_CS
Misc : op68253a,ecs470,250,,,1,1
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Oct 20 18:07:13 2025
Quant Method : X:\Dayton SVOA GCMS\lorenat\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 18:05:43 2025
Response via : Initial Calibration







TIC: cs9117.D\data.ms

(24) Pyrene (t)

13.043min (+0.006) 0.53ppb

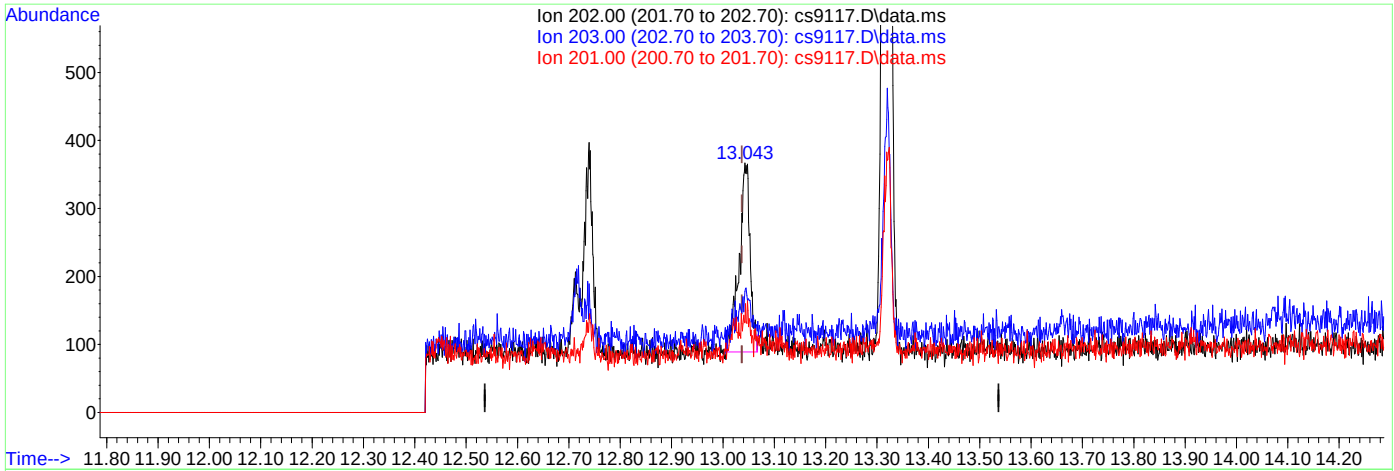
response 101

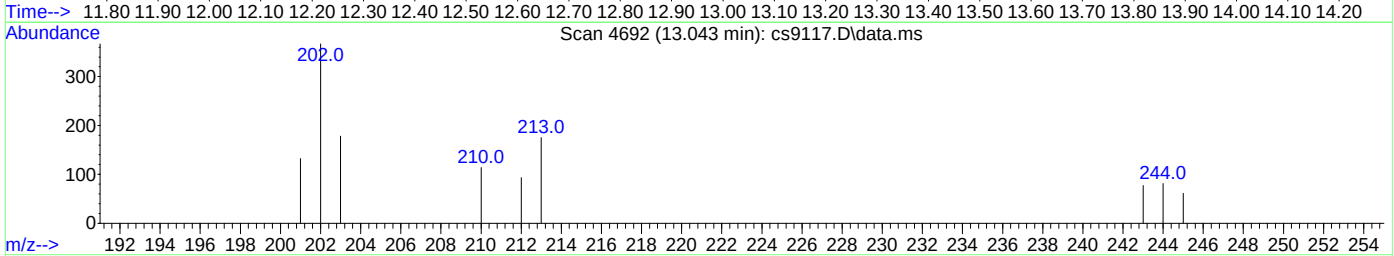
Ion	Exp%	Act%
202.00	100	100
203.00	17.40	17.78
201.00	16.90	13.33
0.00	0.00	0.00

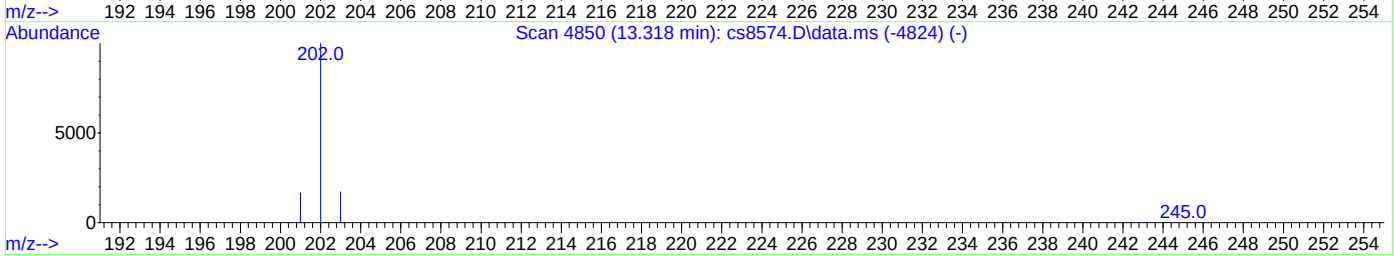
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\lorenat\Octubre\2025-10-20\ecs470\
Data File : cs9117.D
Acq On : 18 Oct 2025 05:26 pm
Operator : rocquans
Sample : op68253a-mb1 Inst : GCMS_CS
Misc : op68253a,ecs470,250,,,1,1
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Oct 20 18:07:13 2025
Quant Method : X:\Dayton SVOA GCMS\lorenat\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 18:05:43 2025
Response via : Initial Calibration







TIC: cs9117.D\data.ms

(24) Pyrene (t)

13.043min (+0.006) 2.13ppb m

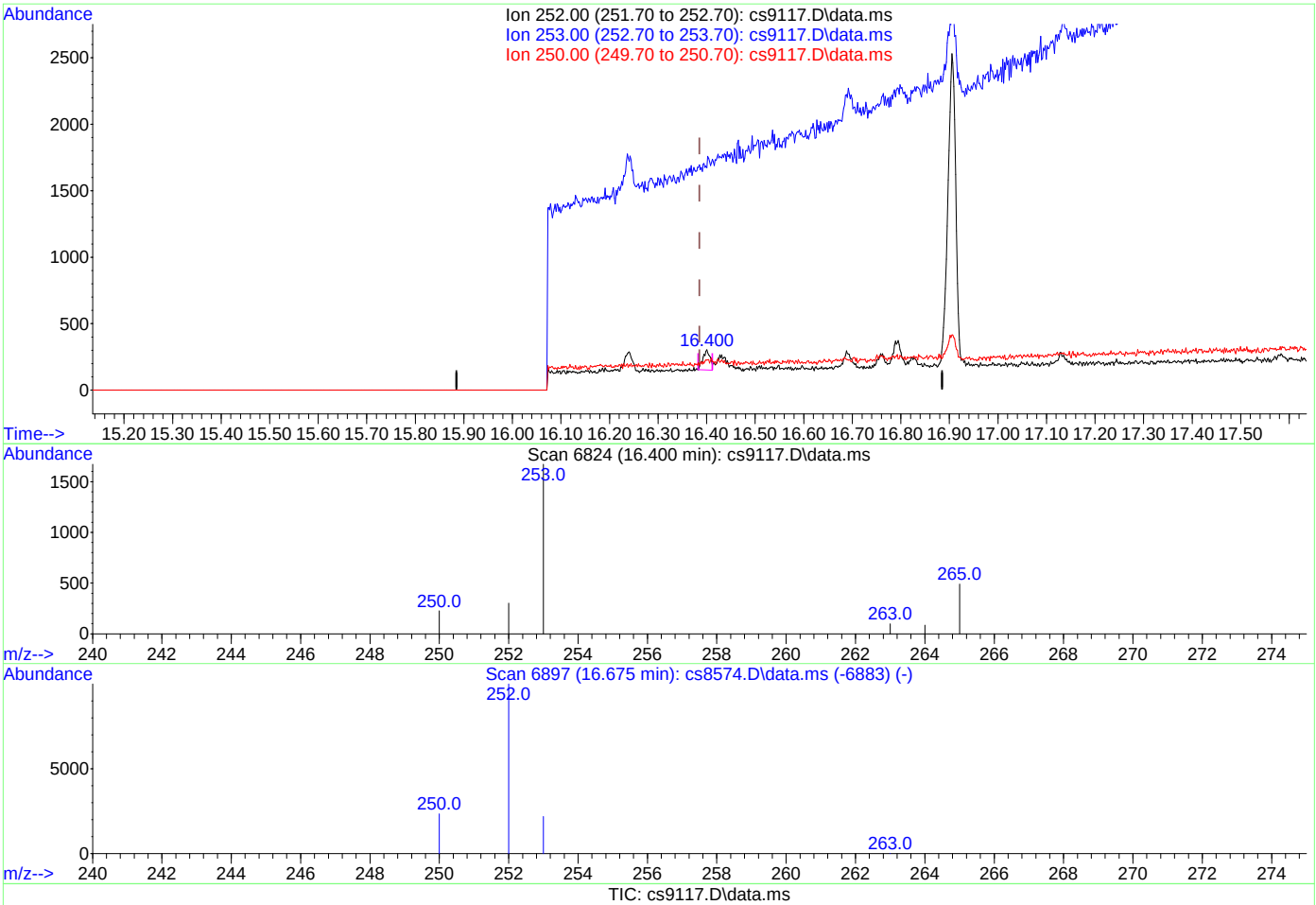
response 408

Ion	Exp%	Act%
202.00	100	100
203.00	17.40	48.50#
201.00	16.90	35.97
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\lorenat\Octubre\2025-10-20\ecs470\
Data File : cs9117.D
Acq On : 18 Oct 2025 05:26 pm
Operator : rocquans
Sample : op68253a-mb1 Inst : GCMS_CS
Misc : op68253a,ecs470,250,,,1,1
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Oct 20 18:07:13 2025
Quant Method : X:\Dayton SVOA GCMS\lorenat\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 18:05:43 2025
Response via : Initial Calibration



TIC: cs9117.D\data.ms

(29) Benzo[b]fluoranthene (t)

16.400min (+0.015) 1.26ppb

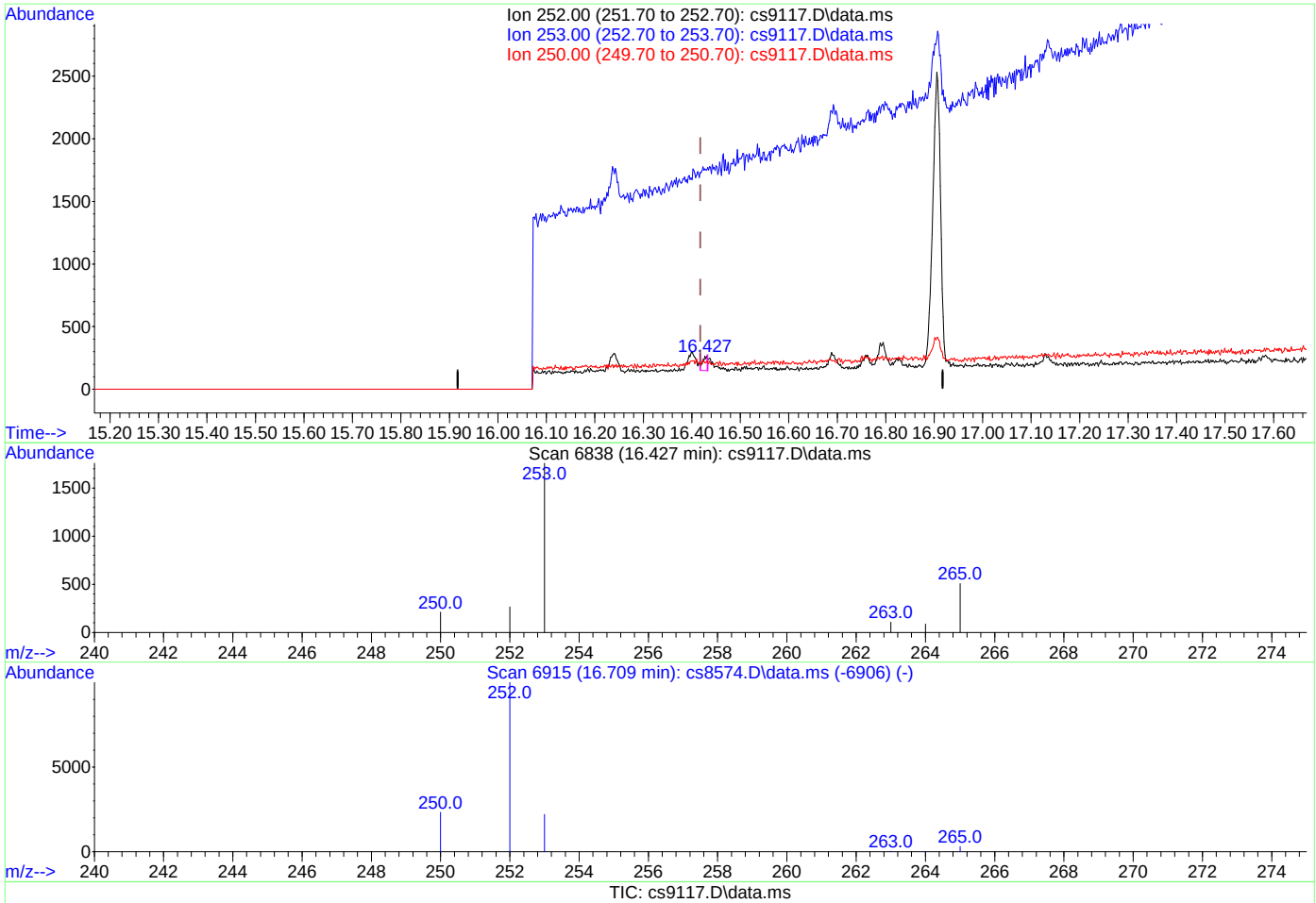
response 154

Ion	Exp%	Act%
252.00	100	100
253.00	21.00	0.00
250.00	22.90	12.83
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\lorenat\Octubre\2025-10-20\ecs470\
Data File : cs9117.D
Acq On : 18 Oct 2025 05:26 pm
Operator : rocquans
Sample : op68253a-mb1 Inst : GCMS_CS
Misc : op68253a,ecs470,250,,,1,1
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Oct 20 18:07:13 2025
Quant Method : X:\Dayton SVOA GCMS\lorenat\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 18:05:43 2025
Response via : Initial Calibration



TIC: cs9117.D\data.ms

(30) Benzo[k]fluoranthene (t)

16.427min (+0.010) 0.68ppb

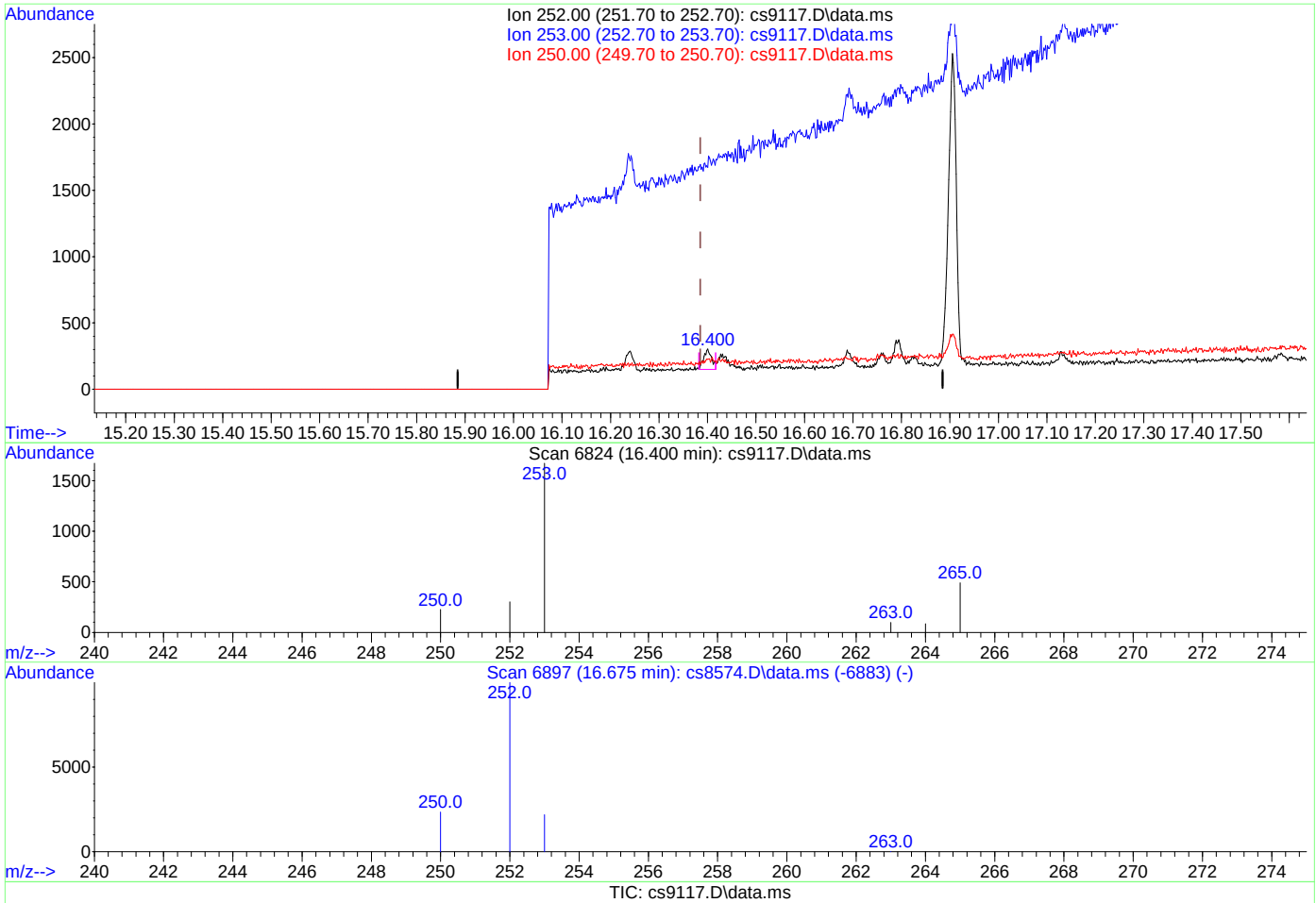
response 78

Ion	Exp%	Act%
252.00	100	100
253.00	20.60	13.21
250.00	22.80	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\lorenat\Octubre\2025-10-20\ecs470\
Data File : cs9117.D
Acq On : 18 Oct 2025 05:26 pm
Operator : rocquans
Sample : op68253a-mb1 Inst : GCMS_CS
Misc : op68253a,ecs470,250,,,1,1
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Oct 20 18:07:13 2025
Quant Method : X:\Dayton SVOA GCMS\lorenat\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 18:05:43 2025
Response via : Initial Calibration



TIC: cs9117.D\data.ms

(29) Benzo[b]fluoranthene (t)

16.400min (+0.015) 1.41ppb m

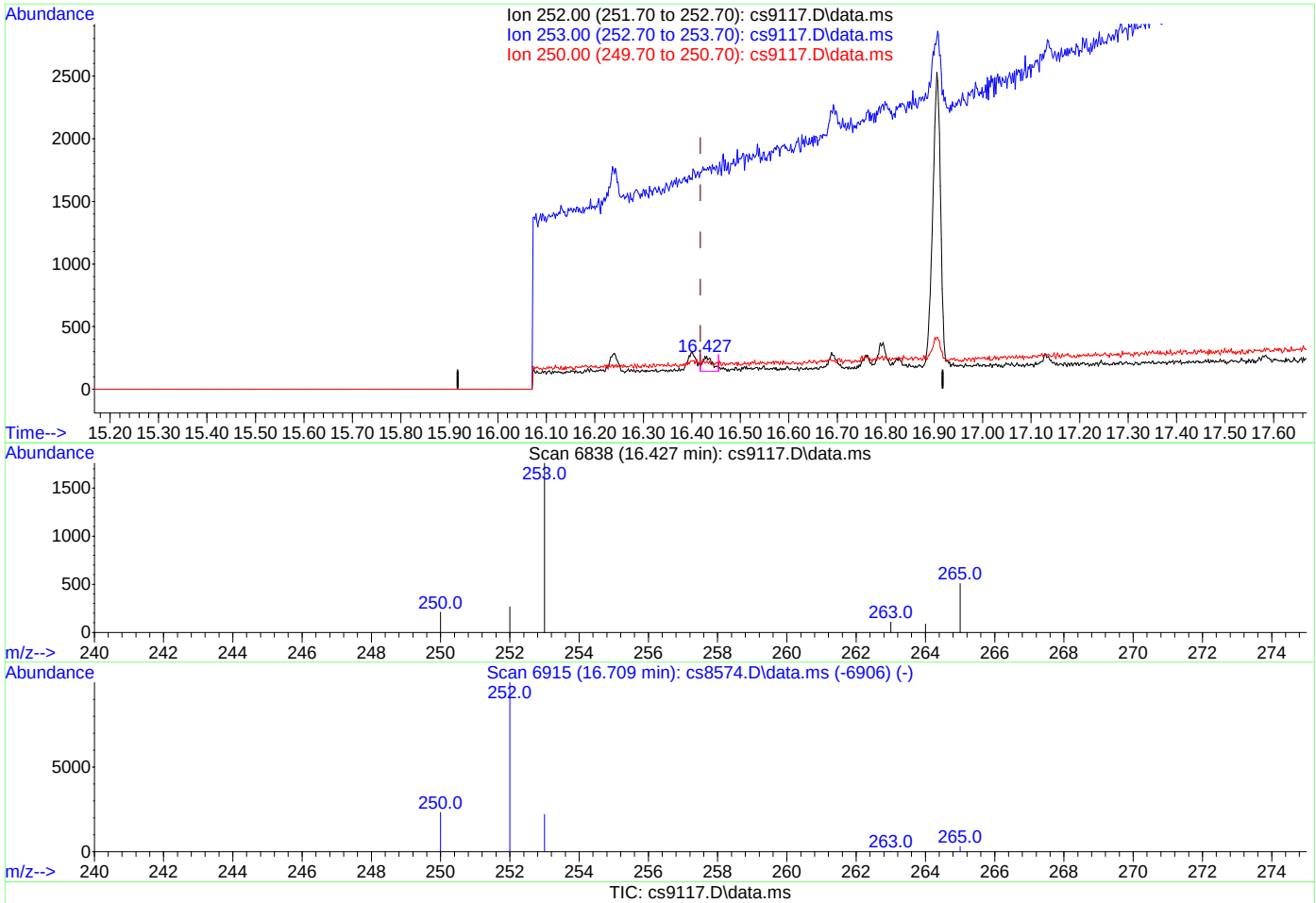
response 173

Ion	Exp%	Act%
252.00	100	100
253.00	21.00	552.15#
250.00	22.90	74.59#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\lorenat\Octubre\2025-10-20\ecs470\
Data File : cs9117.D
Acq On : 18 Oct 2025 05:26 pm
Operator : rocquans
Sample : op68253a-mb1 Inst : GCMS_CS
Misc : op68253a,ecs470,250,,,1,1
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Oct 20 18:07:13 2025
Quant Method : X:\Dayton SVOA GCMS\lorenat\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 18:05:43 2025
Response via : Initial Calibration



TIC: cs9117.D\data.ms

(30) Benzo[k]fluoranthene (t)

16.427min (+0.010) 1.43ppb m

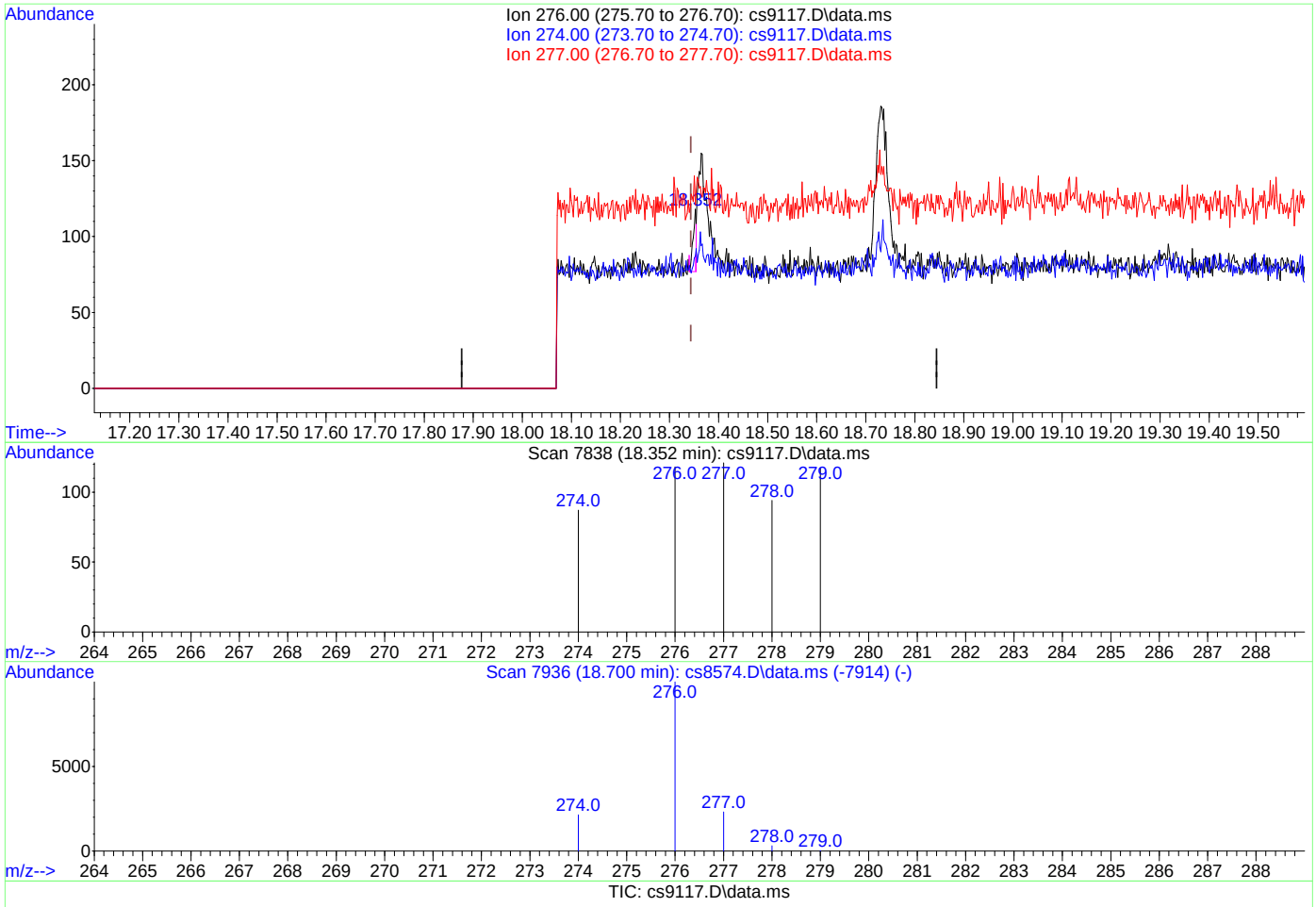
response 163

Ion	Exp%	Act%
252.00	100	100
253.00	20.60	663.77#
250.00	22.80	79.25#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\lorenat\Octubre\2025-10-20\ecs470\
Data File : cs9117.D
Acq On : 18 Oct 2025 05:26 pm
Operator : rocquans
Sample : op68253a-mb1 Inst : GCMS_CS
Misc : op68253a,ecs470,250,,,1,1
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Oct 20 18:07:13 2025
Quant Method : X:\Dayton SVOA GCMS\lorenat\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 18:05:43 2025
Response via : Initial Calibration



TIC: cs9117.D\data.ms

(32) Indeno[1,2,3-cd]pyrene (t)

18.352min (+0.008) 0.21ppb

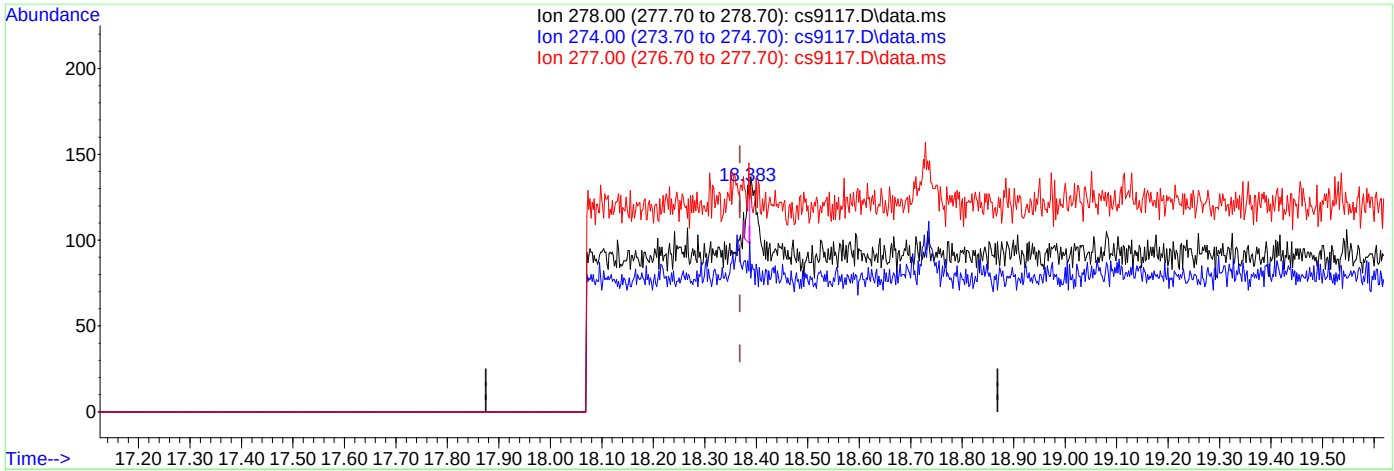
response 19

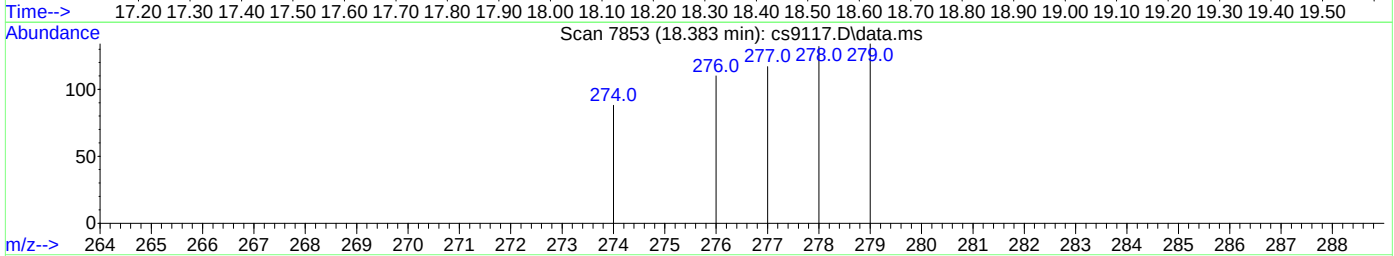
Ion	Exp%	Act%
276.00	100	100
274.00	22.50	1.96
277.00	25.70	0.00
0.00	0.00	0.00

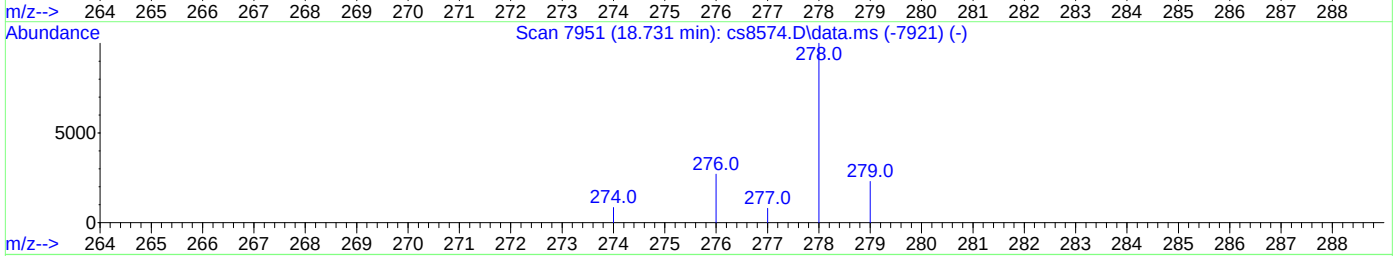
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\lorenat\Octubre\2025-10-20\ecs470\
Data File : cs9117.D
Acq On : 18 Oct 2025 05:26 pm
Operator : rocquans
Sample : op68253a-mb1 Inst : GCMS_CS
Misc : op68253a,ecs470,250,,,1,1
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Oct 20 18:07:13 2025
Quant Method : X:\Dayton SVOA GCMS\lorenat\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 18:05:43 2025
Response via : Initial Calibration







TIC: cs9117.D\data.ms

(33) Dibenz[a,h]anthracene (t)

18.383min (+0.014) 0.17ppb

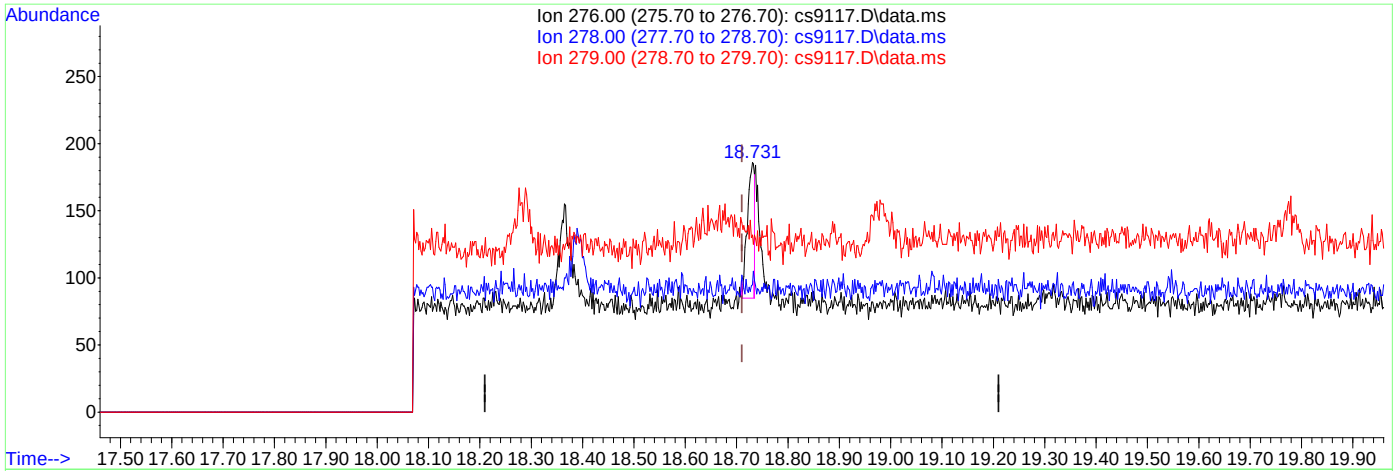
response 14

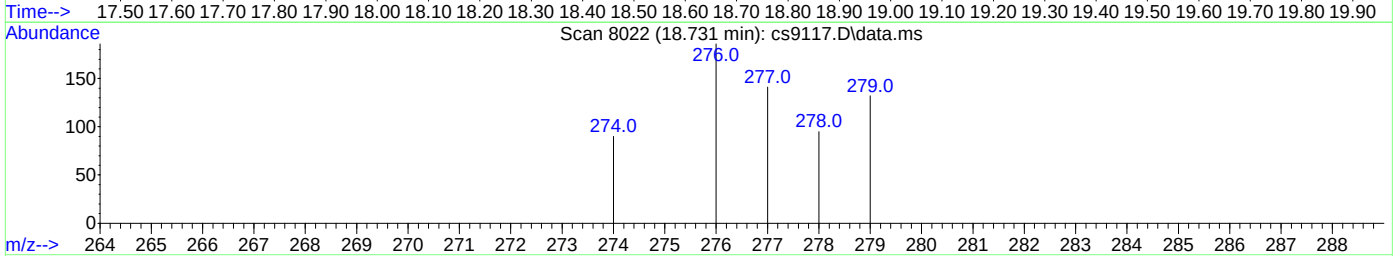
Ion	Exp%	Act%
278.00	100	100
274.00	9.30	0.00
277.00	9.00	0.00
0.00	0.00	0.00

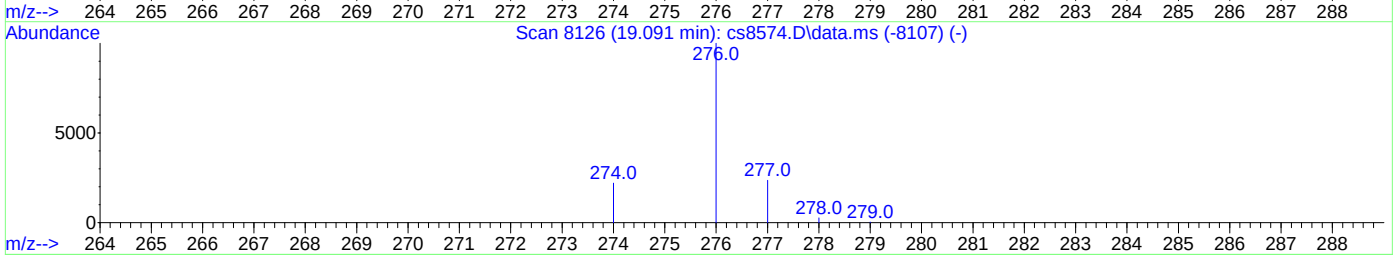
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\lorenat\Octubre\2025-10-20\ecs470\
Data File : cs9117.D
Acq On : 18 Oct 2025 05:26 pm
Operator : rocquans
Sample : op68253a-mb1 Inst : GCMS_CS
Misc : op68253a,ecs470,250,,,1,1
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Oct 20 18:07:13 2025
Quant Method : X:\Dayton SVOA GCMS\lorenat\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 18:05:43 2025
Response via : Initial Calibration







TIC: cs9117.D\data.ms

(34) Benzo[g,h,i]perylene (t)

18.731min (+0.021) 1.08ppb

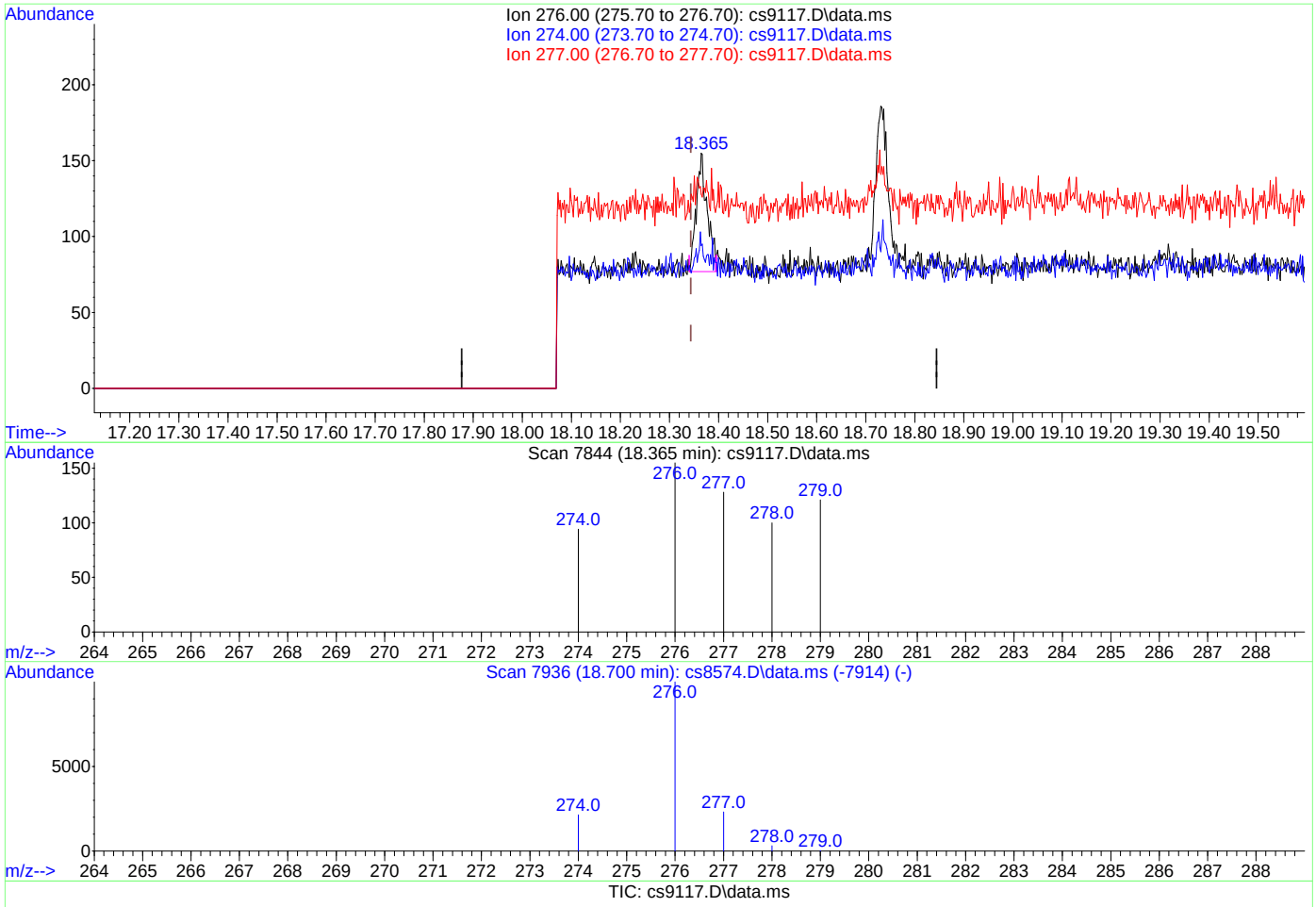
response 97

Ion	Exp%	Act%
276.00	100	100
278.00	2.60	0.00
279.00	0.10	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\lorenat\Octubre\2025-10-20\ecs470\
Data File : cs9117.D
Acq On : 18 Oct 2025 05:26 pm
Operator : rocquans
Sample : op68253a-mb1 Inst : GCMS_CS
Misc : op68253a,ecs470,250,,,1,1
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Oct 20 18:07:13 2025
Quant Method : X:\Dayton SVOA GCMS\lorenat\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 18:05:43 2025
Response via : Initial Calibration



TIC: cs9117.D\data.ms

(32) Indeno[1,2,3-cd]pyrene (t)

18.365min (+0.021) 1.35ppb m

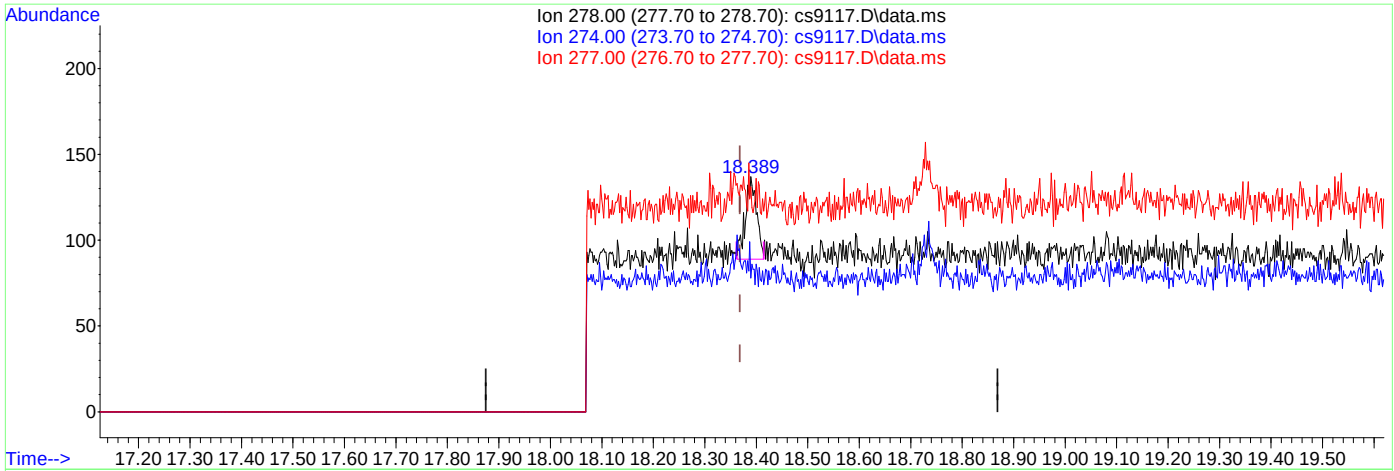
response 121

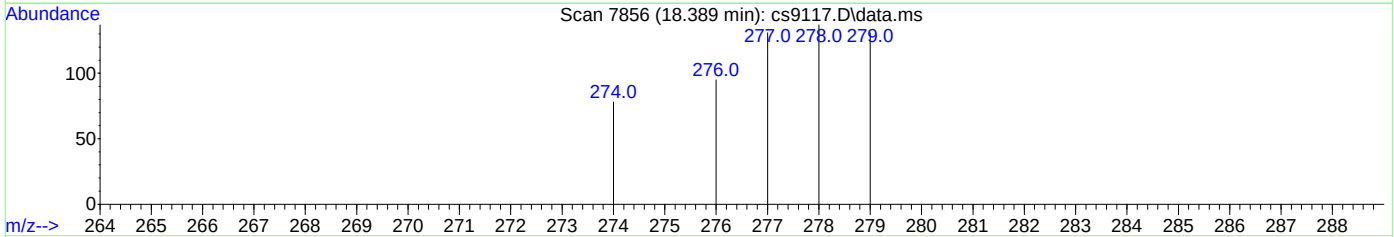
Ion	Exp%	Act%
276.00	100	100
274.00	22.50	60.65#
277.00	25.70	82.58#
0.00	0.00	0.00

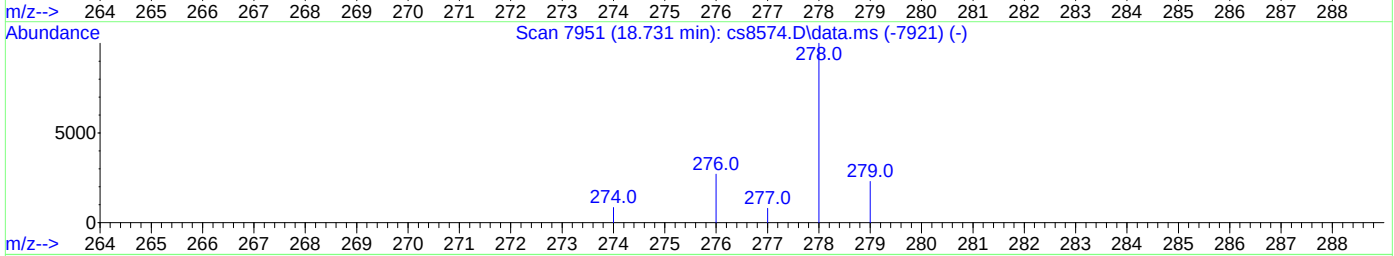
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\lorenat\Octubre\2025-10-20\ecs470\
Data File : cs9117.D
Acq On : 18 Oct 2025 05:26 pm
Operator : rocquans
Sample : op68253a-mb1 Inst : GCMS_CS
Misc : op68253a,ecs470,250,,,1,1
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Oct 20 18:07:13 2025
Quant Method : X:\Dayton SVOA GCMS\lorenat\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 18:05:43 2025
Response via : Initial Calibration







TIC: cs9117.D\data.ms

(33) Dibenz[a,h]anthracene (t)

18.389min (+0.021) 0.86ppb m

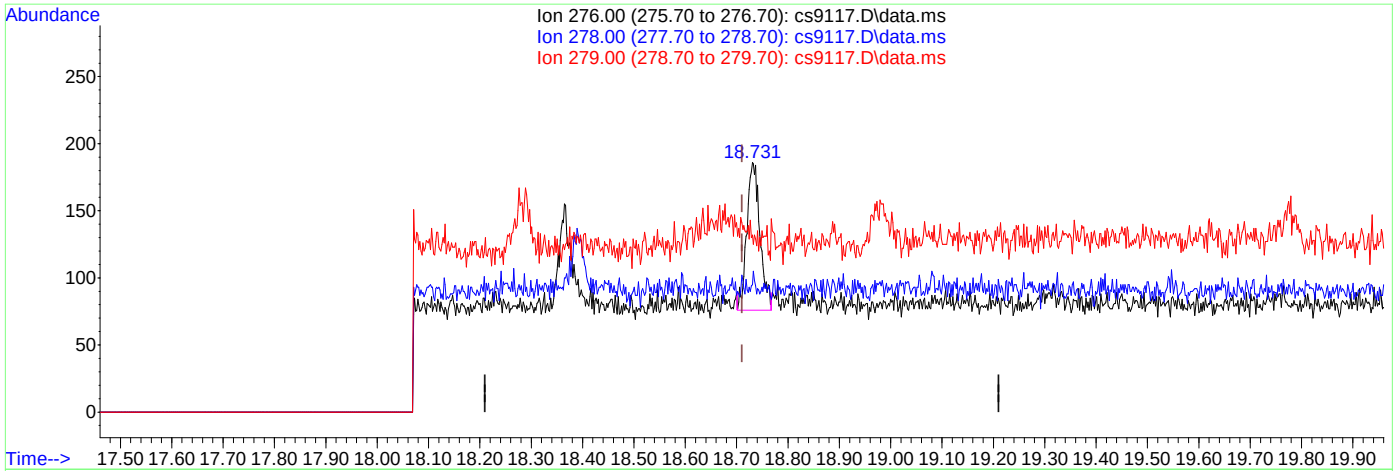
response 72

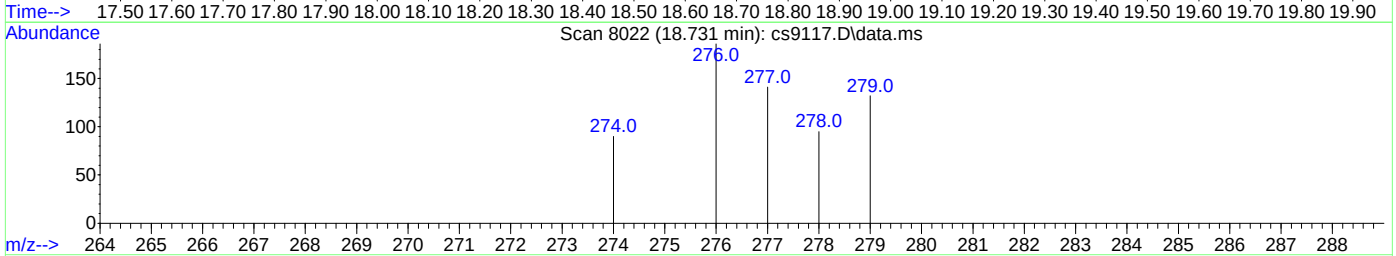
Ion	Exp%	Act%
278.00	100	100
274.00	9.30	56.93#
277.00	9.00	95.62#
0.00	0.00	0.00

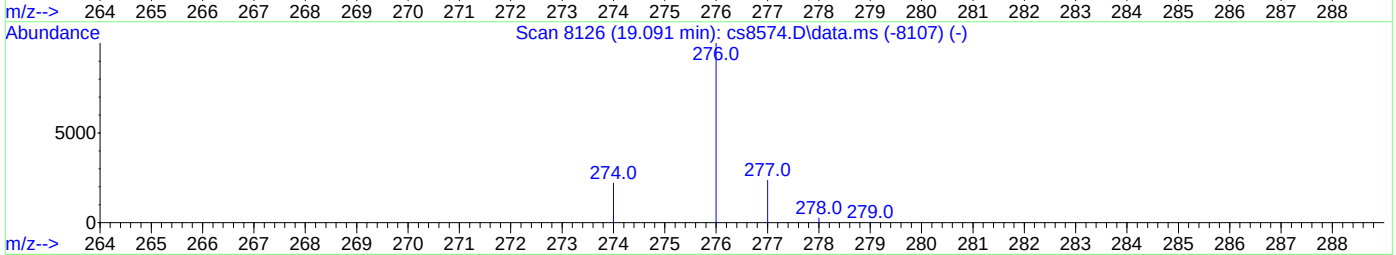
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\lorenat\Octubre\2025-10-20\ecs470\
Data File : cs9117.D
Acq On : 18 Oct 2025 05:26 pm
Operator : rocquans
Sample : op68253a-mb1 Inst : GCMS_CS
Misc : op68253a,ecs470,250,,,1,1
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Oct 20 18:07:13 2025
Quant Method : X:\Dayton SVOA GCMS\lorenat\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 18:05:43 2025
Response via : Initial Calibration







TIC: cs9117.D\data.ms

(34) Benzo[g,h,i]perylene (t)

18.731min (+0.021) 2.19ppb m

response 196

Ion	Exp%	Act%
276.00	100	100
278.00	2.60	51.08#
279.00	0.10	70.97#
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Ying Li
10/20/25 09:43

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\anthonyt\10-19-25\e2m6525\
Data File : 2M144245.d
Acq On : 18 Oct 2025 2:49 pm
Operator : rocquans
Sample : op68166a-bs12 Inst : GCMS2M
Misc : op68166a,E2M6525,250,,,1,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 19 13:29:28 2025
Quant Method : X:\Dayton SVOA GCMS\anthonyt\methods\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sun Oct 19 13:14:24 2025
Response via : Initial Calibration

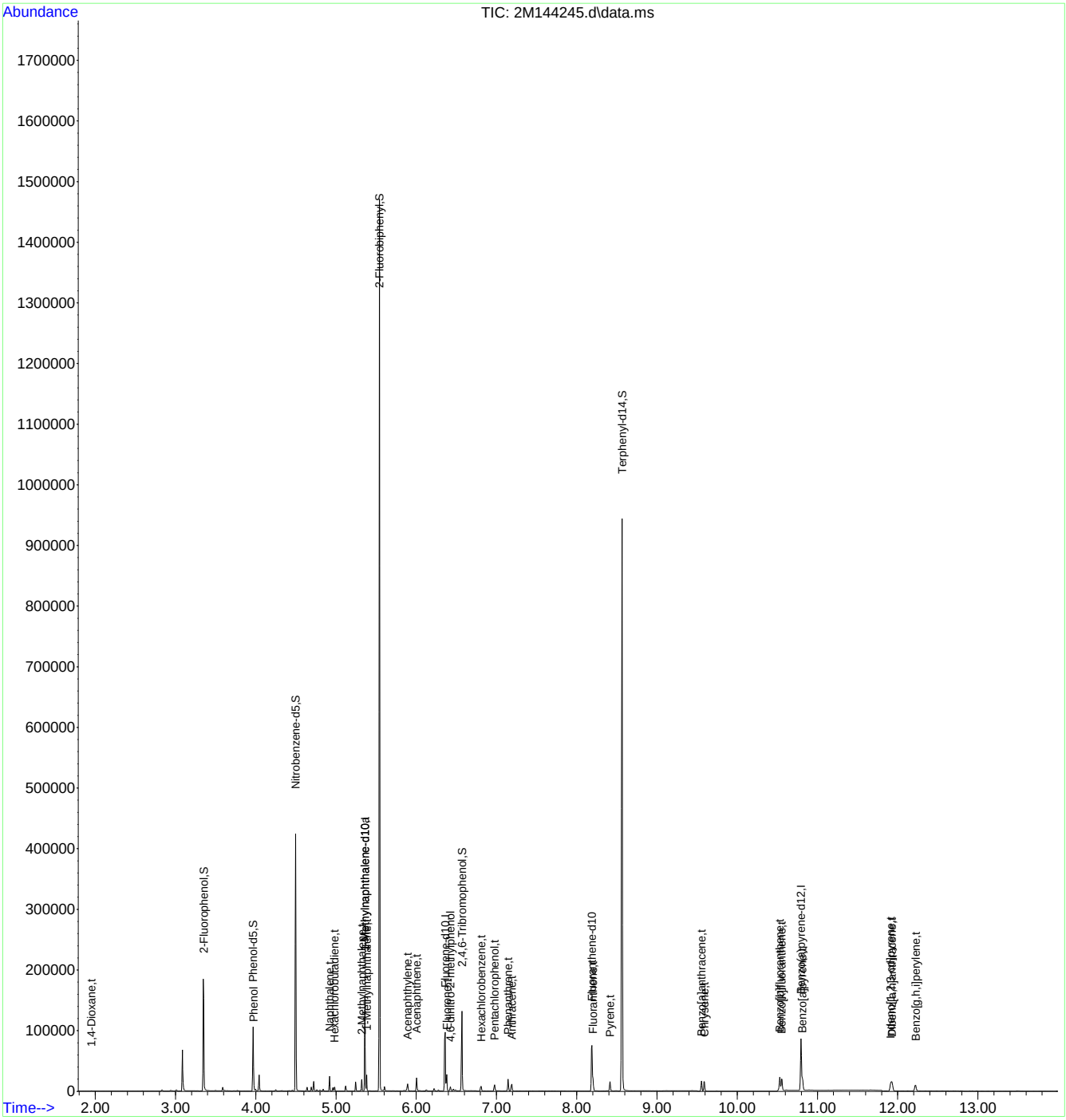
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1-Methylnaphthalene-d10	5.361	150	34417	800.00	ppb		0.00
12) Fluorene-d10	6.361	176	37868	800.00	ppb		0.00
19) Fluoranthene-d10	8.191	212	52606	800.00	ppb		0.00
29) Benzo(a)pyrene-d12	10.796	264	52559	800.00	ppb	#	0.00
36) 1-Methylnaphthalene-d10a	5.361	150	34417	800.00	ppb		0.00
System Monitoring Compounds							
3) 2-Fluorophenol	3.350	112	62691	2320.88	ppb		0.01
Spiked Amount 10000.000			Recovery =	23.21%			
4) Phenol-d5	3.966	99	50699	1723.79	ppb		0.00
Spiked Amount 10000.000			Recovery =	17.24%			
6) Nitrobenzene-d5	4.499	82	189891	6995.05	ppb		0.00
Spiked Amount 10000.000			Recovery =	69.95%			
13) 2-Fluorobiphenyl	5.542	172	476416	7841.27	ppb		0.00
Spiked Amount 10000.000			Recovery =	78.41%			
18) 2,4,6-Tribromophenol	6.570	330	40059	4910.85	ppb		0.00
Spiked Amount 10000.000			Recovery =	49.11%			
26) Terphenyl-d14	8.565	244	473883	8503.50	ppb		0.00
Spiked Amount 10000.000			Recovery =	85.04%			
Target Compounds							Qvalue
2) 1,4-Dioxane	1.949	88	35m	2.8415	ppb		
5) Phenol	3.973	94	6947	204.6608	ppb	#	84
7) Naphthalene	4.920	128	10480	102.6357	ppb		100
8) Hexachlorobutadiene	4.979	225	1856	102.8895	ppb		77
9) 2-Methylnaphthalene	5.323	141	4845	82.9011	ppb		96
10) 1-Methylnaphthalene	5.382	141	6187	101.5939	ppb		93
14) Acenaphthylene	5.894	152	7795	99.6795	ppb		94
15) Acenaphthene	6.003	153	5788	99.9295	ppb		88
16) Fluorene	6.380	166	7783	118.9978	ppb		96
17) 4,6-dinitro-2-methylph...	6.424	198	2627	443.2361	ppb	#	48
20) Hexachlorobenzene	6.809	284	3002	169.7688	ppb		92
21) Pentachlorophenol	6.977	266	4290	933.5405	ppb		95
22) Phenanthrene	7.144	178	10247	132.2976	ppb		97
23) Anthracene	7.192	178	7664	99.2786	ppb		98
24) Fluoranthene	8.204	202	11221	116.9320	ppb		99
25) Pyrene	8.416	202	9208	95.7502	ppb		99
27) Benzo[a]anthracene	9.555	228	9263	137.1782	ppb		97
28) Chrysene	9.592	228	10536	123.3062	ppb		99
30) Benzo[b]fluoranthene	10.531	252	13575m	150.7253	ppb		
31) Benzo[k]fluoranthene	10.552	252	12663m	132.1244	ppb		
32) Benzo[a]pyrene	10.812	252	11803m	117.7368	ppb		
33) Indeno[1,2,3-cd]pyrene	11.911	276	13117	101.4121	ppb		100
34) Dibenz[a,h]anthracene	11.929	278	10799	105.2163	ppb		96
35) Benzo[g,h,i]perylene	12.225	276	10254	95.6989	ppb		100

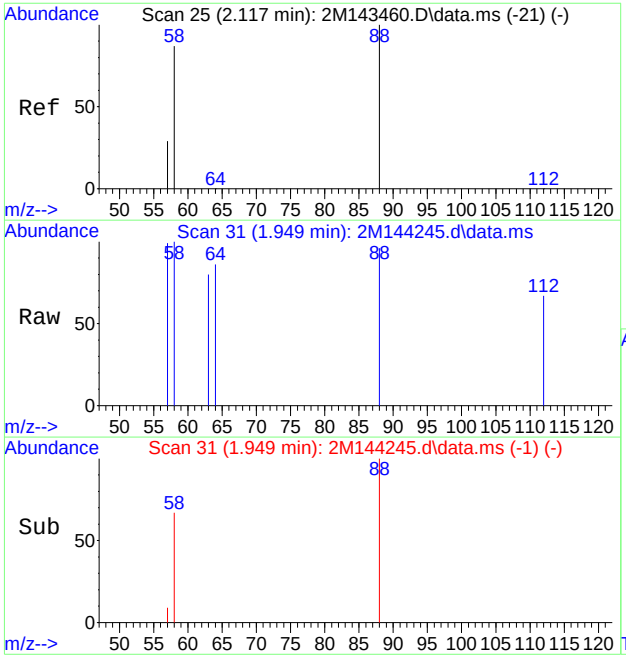
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\anthonyt\10-19-25\e2m6525\
Data File : 2M144245.d
Acq On : 18 Oct 2025 2:49 pm
Operator : rocquans
Sample : op68166a-bs12 Inst : GCMS2M
Misc : op68166a,E2M6525,250,,,1,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 19 13:29:28 2025
Quant Method : X:\Dayton SVOA GCMS\anthonyt\methods\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sun Oct 19 13:14:24 2025
Response via : Initial Calibration

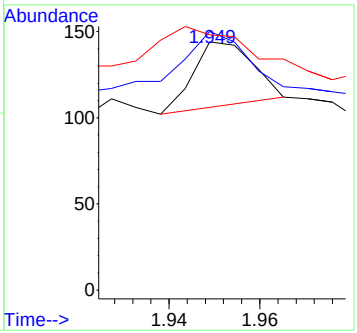


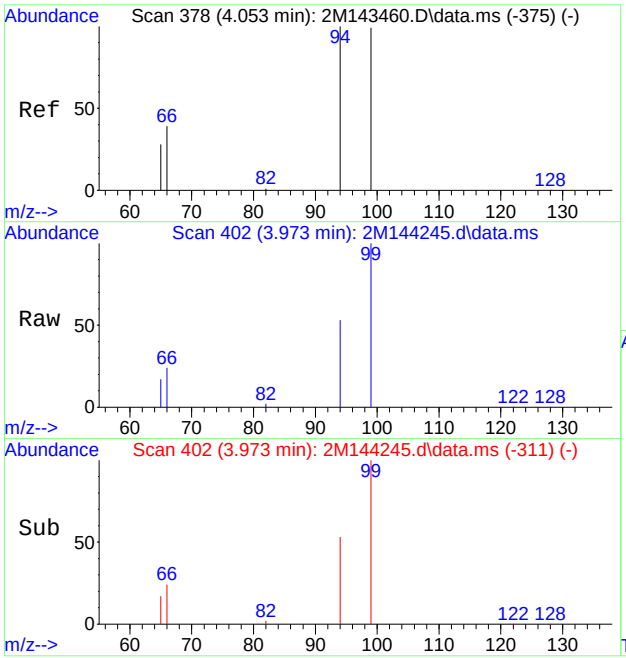


#2
1,4-Dioxane
Concen: 2.8415 ppb m
RT: 1.949 min Scan# 31
Delta R.T. 0.011 min
Lab File: 2M144245.d
Acq: 18 Oct 2025 2:49 pm

Tgt Ion: 88 Resp: 35

Ion	Ratio	Lower	Upper
88	100		
58	104.2	54.4	94.4#
57	102.8	40.6	80.6#

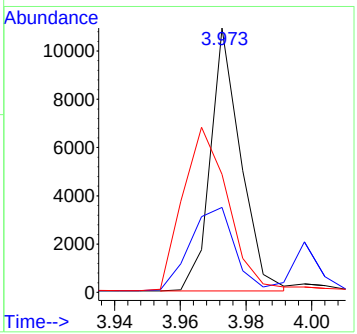


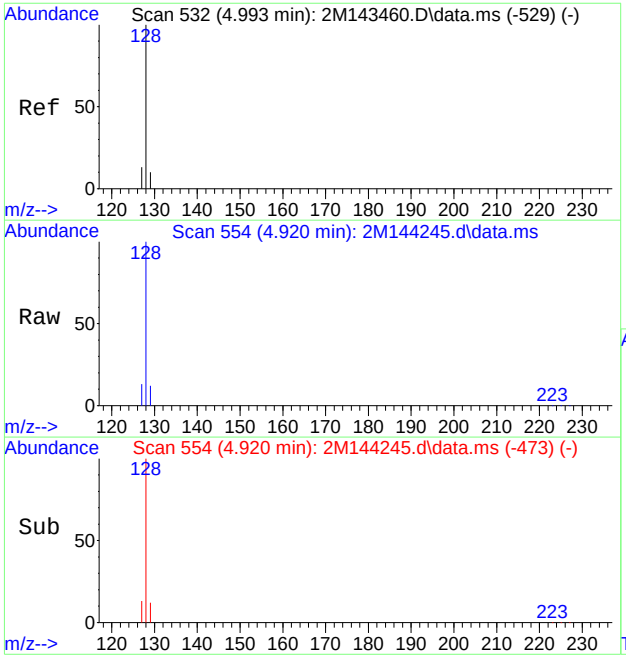


#5
Phenol
Concen: 204.6608 ppb
RT: 3.973 min Scan# 402
Delta R.T. 0.006 min
Lab File: 2M144245.d
Acq: 18 Oct 2025 2:49 pm

Tgt Ion: 94 Resp: 6947

Ion	Ratio	Lower	Upper
94	100		
65	30.2	34.9	52.3#
66	43.7	41.4	62.0

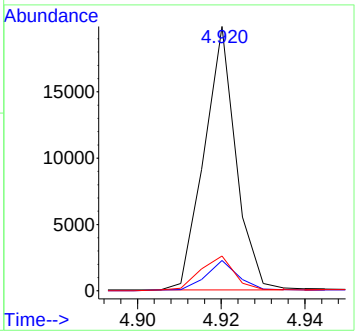


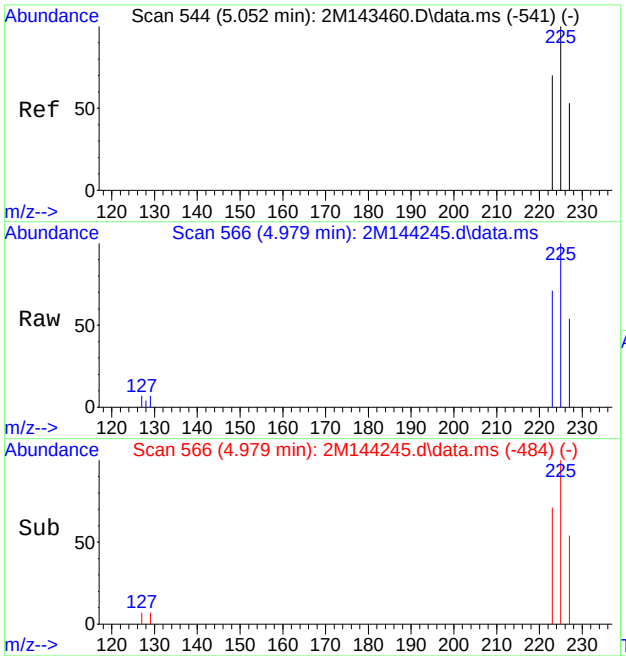


#7
Naphthalene
Concen: 102.6357 ppb
RT: 4.920 min Scan# 554
Delta R.T. 0.000 min
Lab File: 2M144245.d
Acq: 18 Oct 2025 2:49 pm

Tgt Ion:128 Resp: 10480

Ion	Ratio	Lower	Upper
128	100		
129	11.2	0.0	41.0
127	12.8	0.0	42.7

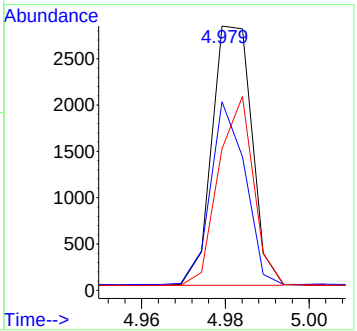


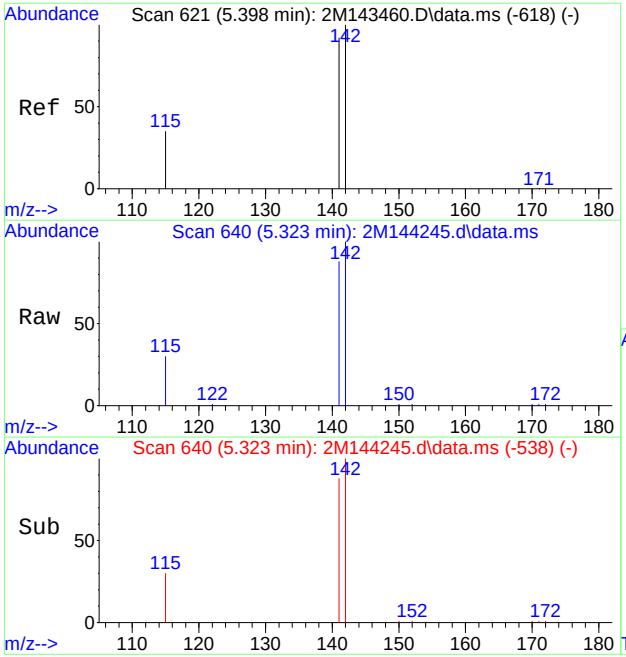


#8
Hexachlorobutadiene
Concen: 102.8895 ppb
RT: 4.979 min Scan# 566
Delta R.T. -0.005 min
Lab File: 2M144245.d
Acq: 18 Oct 2025 2:49 pm

Tgt Ion:225 Resp: 1856

Ion	Ratio	Lower	Upper
225	100		
223	70.5	23.3	83.3
227	52.6	40.1	100.1

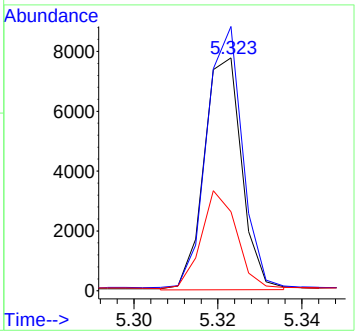


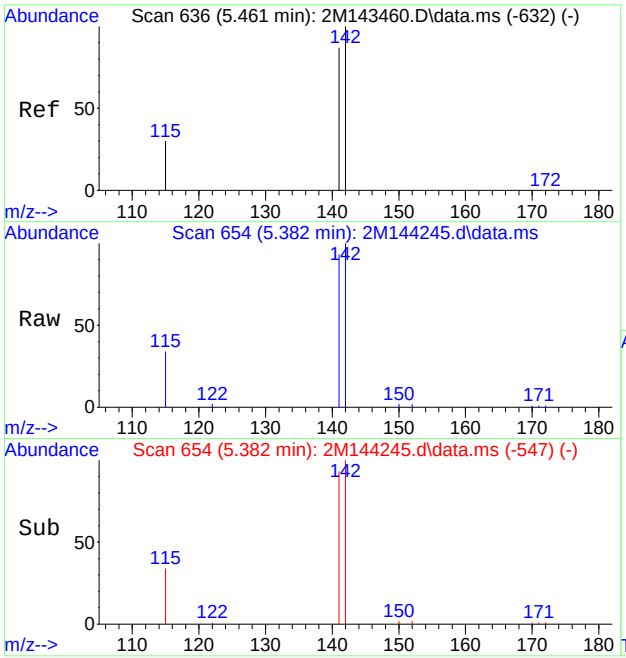


#9
2-Methylnaphthalene
Concen: 82.9011 ppb
RT: 5.323 min Scan# 640
Delta R.T. 0.000 min
Lab File: 2M144245.d
Acq: 18 Oct 2025 2:49 pm

Tgt Ion:141 Resp: 4845

Ion	Ratio	Lower	Upper
141	100		
142	113.2	80.0	140.0
115	33.2	7.2	67.2

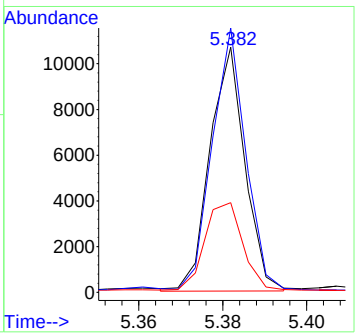


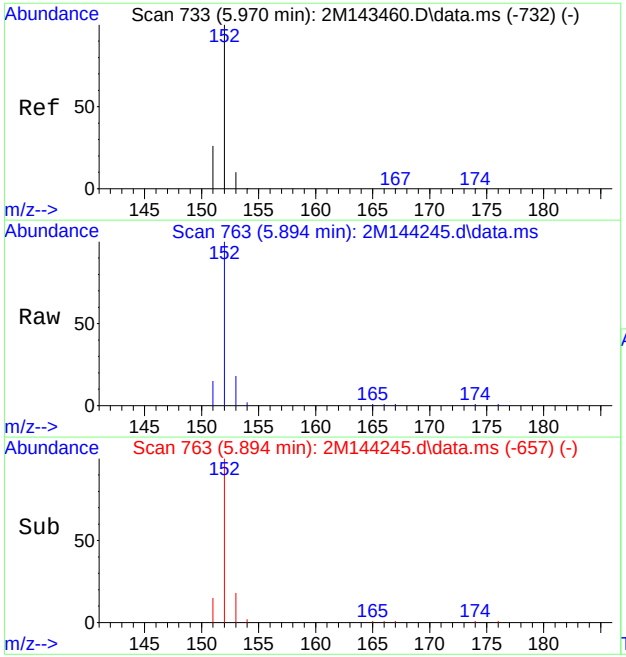


#10
1-Methylnaphthalene
Concen: 101.5939 ppb
RT: 5.382 min Scan# 654
Delta R.T. 0.000 min
Lab File: 2M144245.d
Acq: 18 Oct 2025 2:49 pm

Tgt Ion:141 Resp: 6187

Ion	Ratio	Lower	Upper
141	100		
142	108.1	71.6	131.6
115	36.1	11.1	71.1

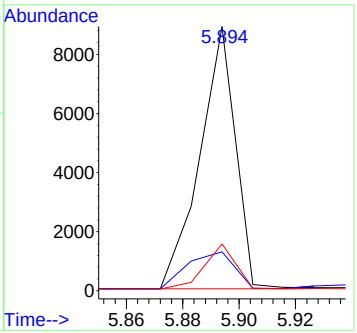


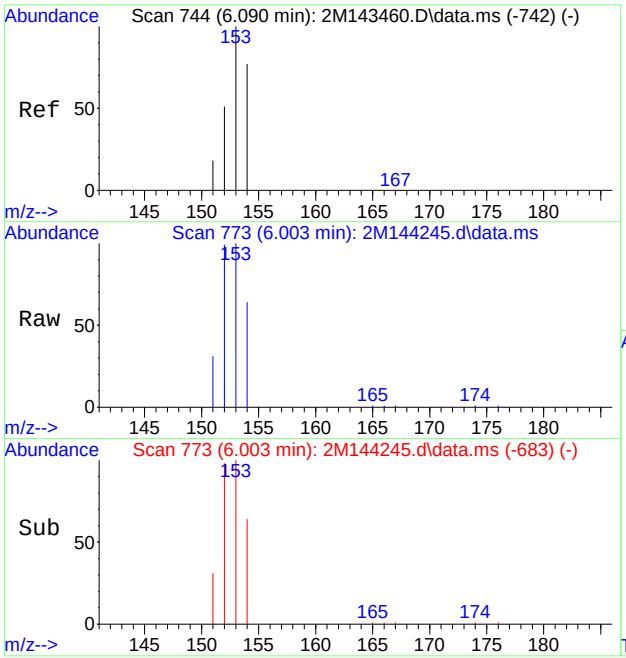


#14
Acenaphthylene
Concen: 99.6795 ppb
RT: 5.894 min Scan# 763
Delta R.T. 0.000 min
Lab File: 2M144245.d
Acq: 18 Oct 2025 2:49 pm

Tgt Ion:152 Resp: 7795

Ion	Ratio	Lower	Upper
152	100		
151	14.1	0.0	46.7
153	17.2	0.0	44.7

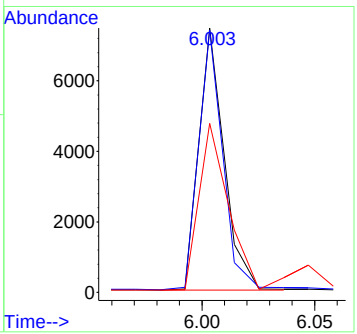


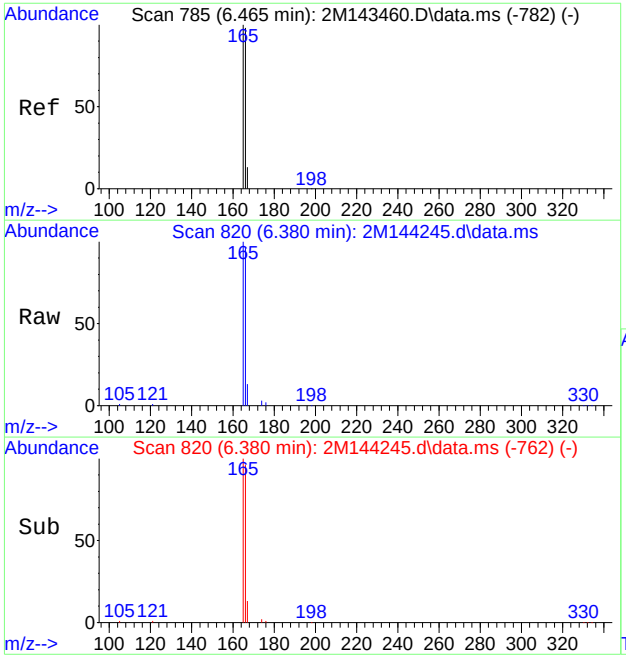


#15
Acenaphthene
Concen: 99.9295 ppb
RT: 6.003 min Scan# 773
Delta R.T. 0.000 min
Lab File: 2M144245.d
Acq: 18 Oct 2025 2:49 pm

Tgt Ion:153 Resp: 5788

Ion	Ratio	Lower	Upper
153	100		
152	98.8	79.1	139.1
154	61.3	19.3	79.3

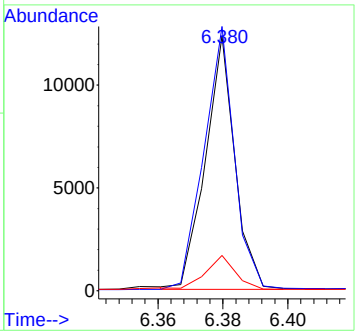


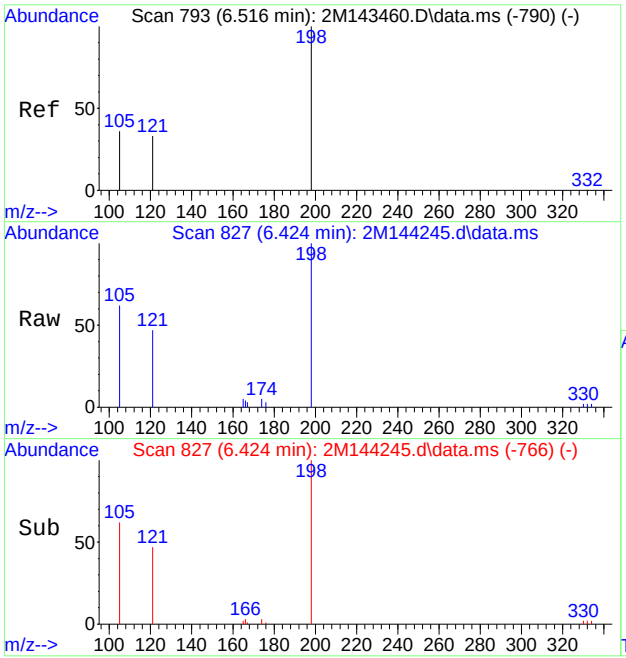


#16
Fluorene
Concen: 118.9978 ppb
RT: 6.380 min Scan# 820
Delta R.T. 0.000 min
Lab File: 2M144245.d
Acq: 18 Oct 2025 2:49 pm

Tgt Ion:166 Resp: 7783

Ion	Ratio	Lower	Upper
166	100		
165	104.1	78.3	138.3
167	13.2	0.0	42.9

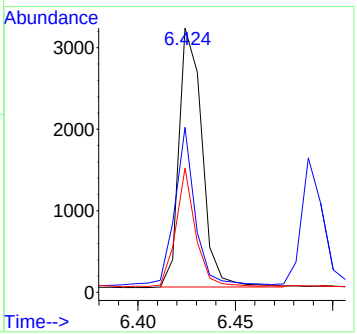


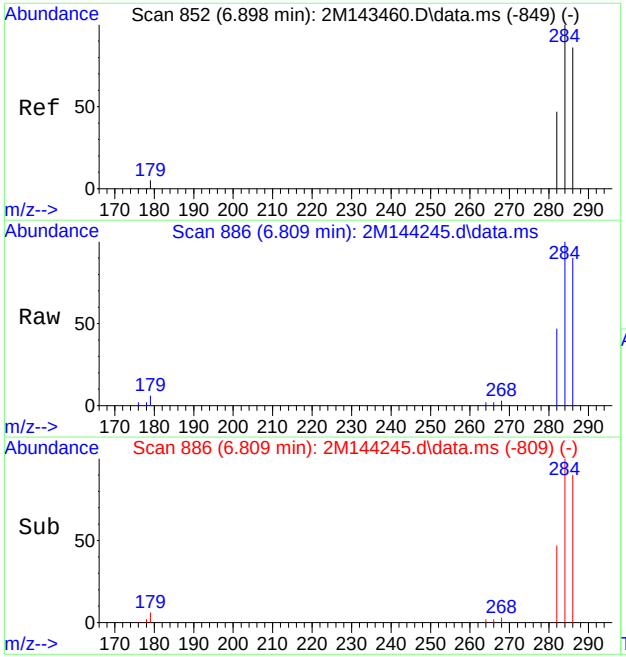


#17
4,6-dinitro-2-methylphenol
Concen: 443.2361 ppb
RT: 6.424 min Scan# 827
Delta R.T. -0.006 min
Lab File: 2M144245.d
Acq: 18 Oct 2025 2:49 pm

Tgt Ion:198 Resp: 2627

Ion	Ratio	Lower	Upper
198	100		
105	59.8	8.7	48.7#
121	45.6	3.8	43.8#

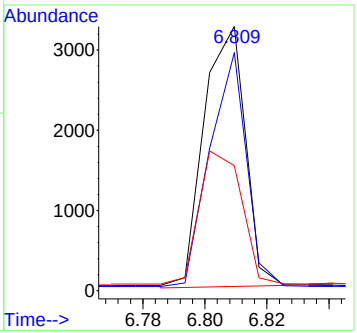


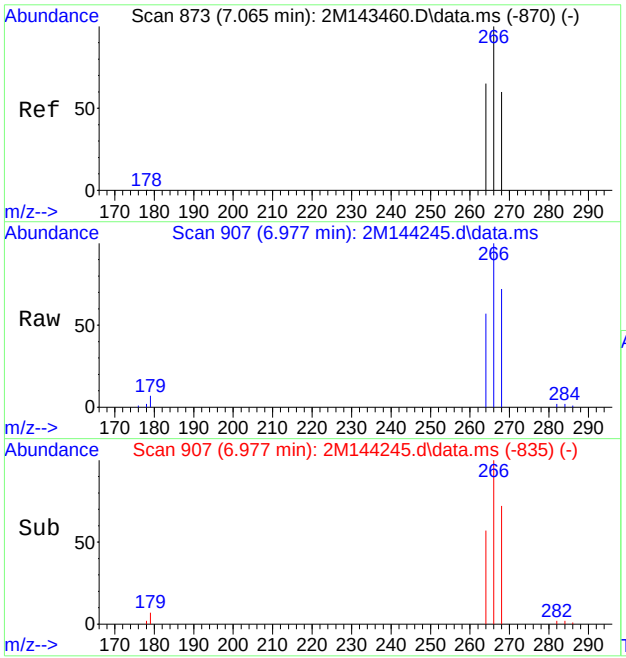


#20
Hexachlorobenzene
Concen: 169.7688 ppb
RT: 6.809 min Scan# 886
Delta R.T. 0.000 min
Lab File: 2M144245.d
Acq: 18 Oct 2025 2:49 pm

Tgt Ion:284 Resp: 3002

Ion	Ratio	Lower	Upper
284	100		
286	90.2	51.5	111.5
282	45.7	19.2	79.2

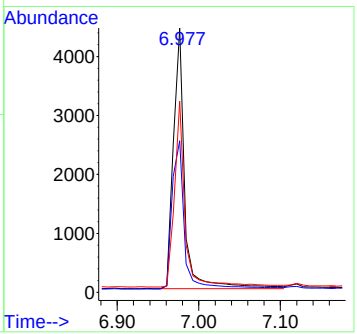


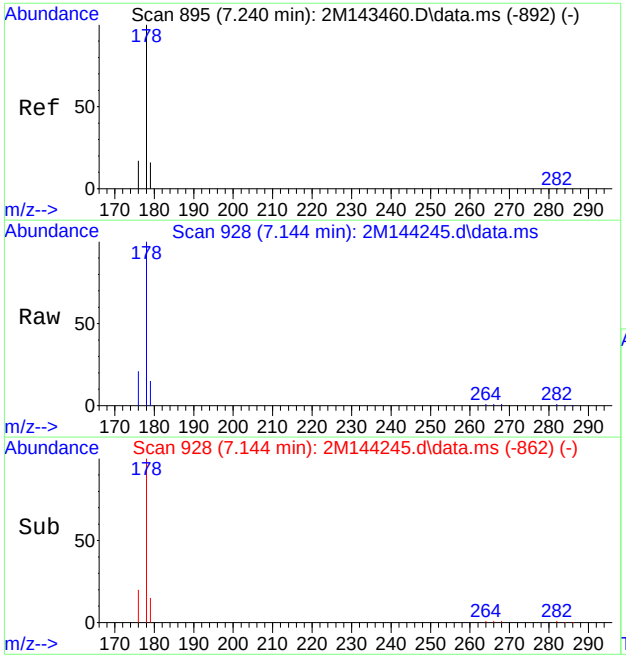


#21
Pentachlorophenol
Concen: 933.5405 ppb
RT: 6.977 min Scan# 907
Delta R.T. 0.000 min
Lab File: 2M144245.d
Acq: 18 Oct 2025 2:49 pm

Tgt Ion:266 Resp: 4290

Ion	Ratio	Lower	Upper
266	100		
264	56.7	29.3	89.3
268	71.2	35.4	95.4

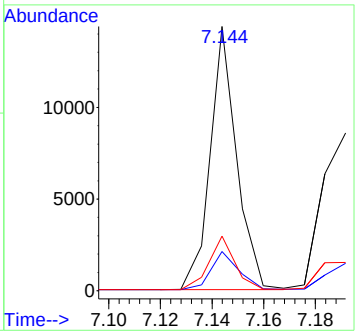


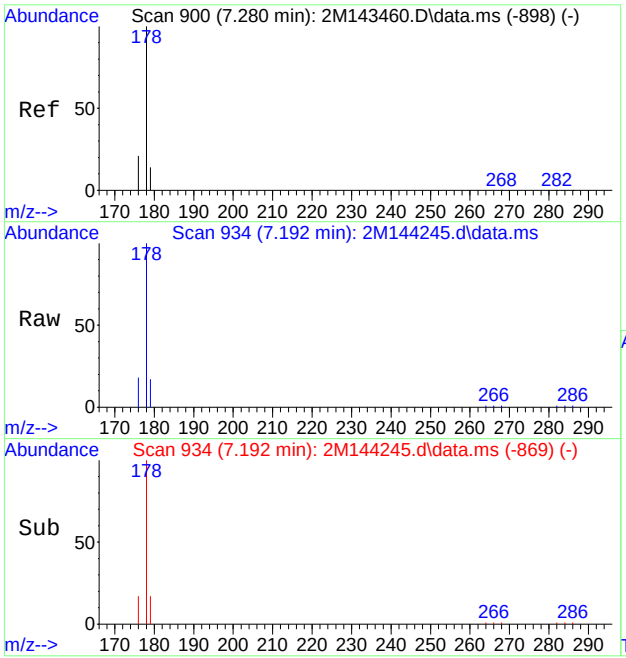


#22
Phenanthrene
Concen: 132.2976 ppb
RT: 7.144 min Scan# 928
Delta R.T. 0.000 min
Lab File: 2M144245.d
Acq: 18 Oct 2025 2:49 pm

Tgt Ion:178 Resp: 10247

Ion	Ratio	Lower	Upper
178	100		
179	14.5	0.0	43.8
176	20.4	0.0	52.0

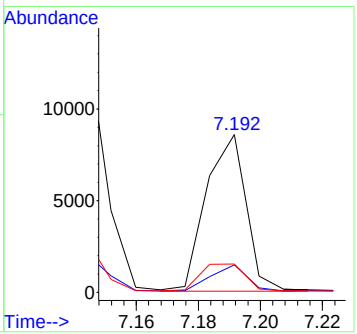


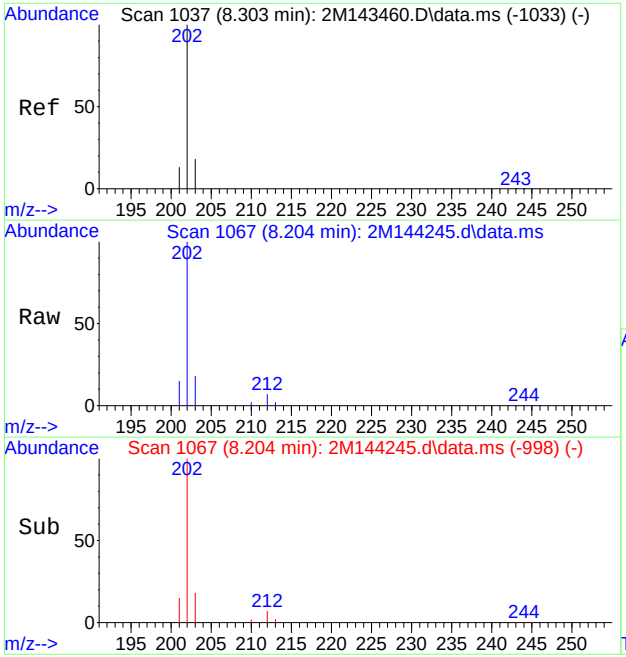


#23
Anthracene
Concen: 99.2786 ppb
RT: 7.192 min Scan# 934
Delta R.T. 0.000 min
Lab File: 2M144245.d
Acq: 18 Oct 2025 2:49 pm

Tgt Ion:178 Resp: 7664

Ion	Ratio	Lower	Upper
178	100		
179	16.8	0.0	45.9
176	17.3	0.0	48.0

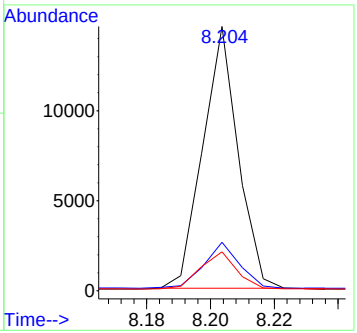


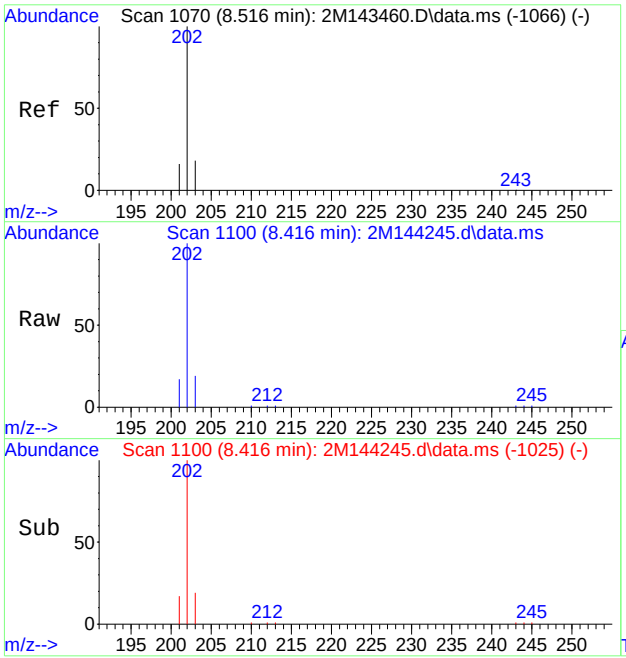


#24
Fluoranthene
Concen: 116.9320 ppb
RT: 8.204 min Scan# 1067
Delta R.T. 0.000 min
Lab File: 2M144245.d
Acq: 18 Oct 2025 2:49 pm

Tgt Ion:202 Resp: 11221

Ion	Ratio	Lower	Upper
202	100		
203	17.4	0.0	47.1
201	14.2	0.0	44.5

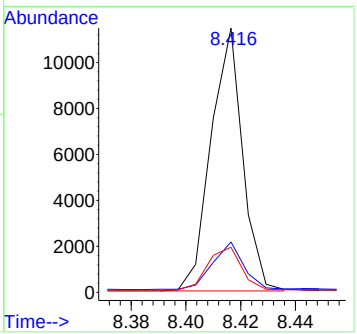


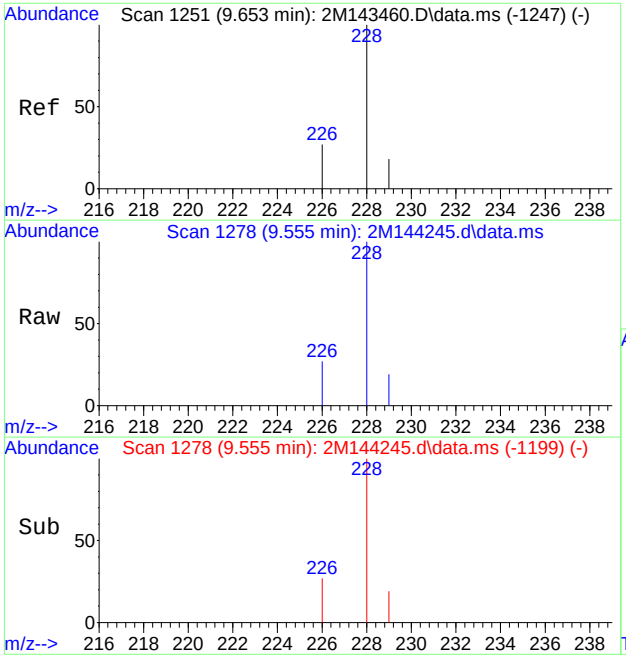


#25
Pyrene
Concen: 95.7502 ppb
RT: 8.416 min Scan# 1100
Delta R.T. 0.000 min
Lab File: 2M144245.d
Acq: 18 Oct 2025 2:49 pm

Tgt Ion:202 Resp: 9208

Ion	Ratio	Lower	Upper
202	100		
203	18.0	0.0	47.7
201	16.4	0.0	46.7

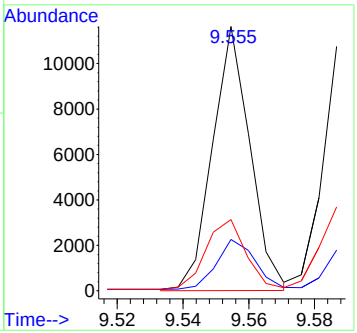


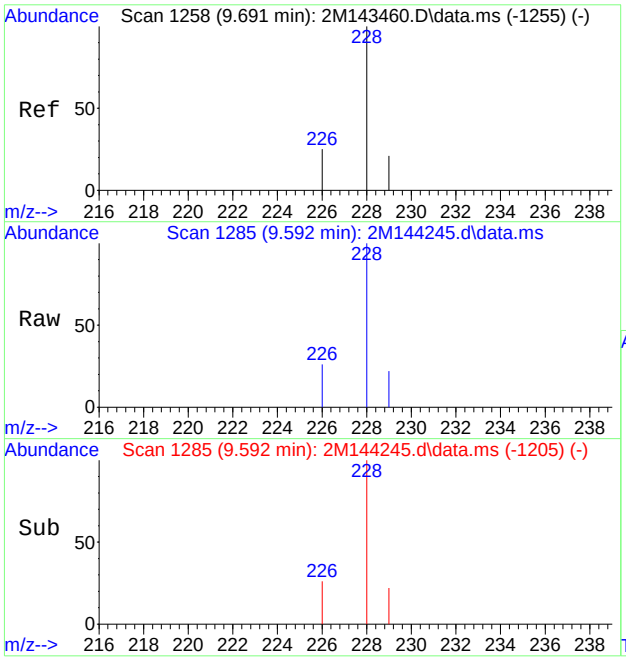


#27
Benzo[a]anthracene
Concen: 137.1782 ppb
RT: 9.555 min Scan# 1278
Delta R.T. 0.000 min
Lab File: 2M144245.d
Acq: 18 Oct 2025 2:49 pm

Tgt Ion:228 Resp: 9263

Ion	Ratio	Lower	Upper
228	100		
229	18.8	0.0	47.3
226	26.5	0.0	58.2

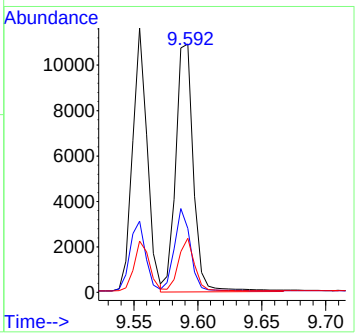


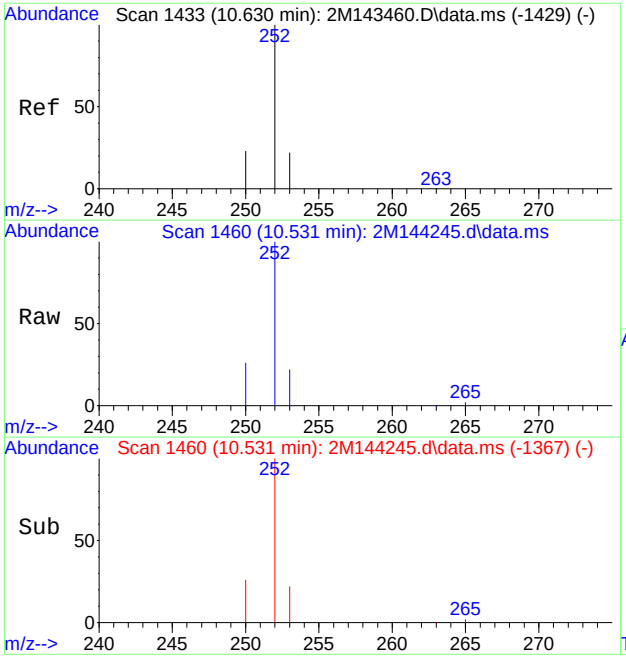


#28
Chrysene
Concen: 123.3062 ppb
RT: 9.592 min Scan# 1285
Delta R.T. 0.000 min
Lab File: 2M144245.d
Acq: 18 Oct 2025 2:49 pm

Tgt Ion:228 Resp: 10536

Ion	Ratio	Lower	Upper
228	100		
226	25.2	0.0	56.1
229	21.1	0.0	50.8

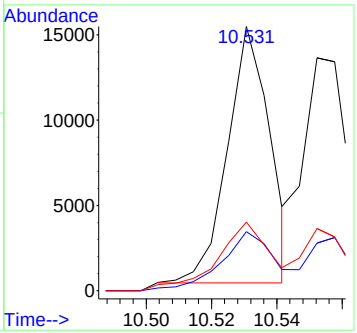


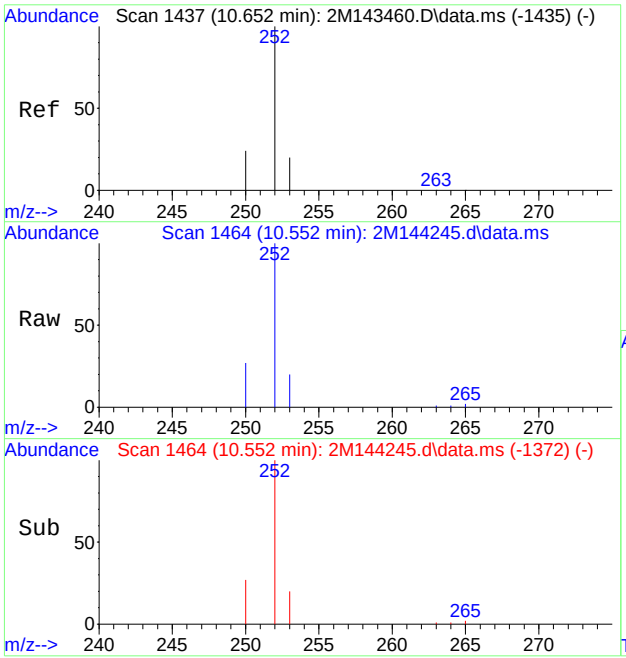


#30
Benzo[b]fluoranthene
Concen: 150.7253 ppb m
RT: 10.531 min Scan# 1460
Delta R.T. 0.000 min
Lab File: 2M144245.d
Acq: 18 Oct 2025 2:49 pm

Tgt Ion:252 Resp: 13575

Ion	Ratio	Lower	Upper
252	100		
253	22.4	0.0	49.6
250	26.0	0.0	56.2

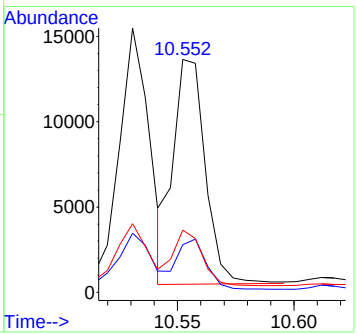


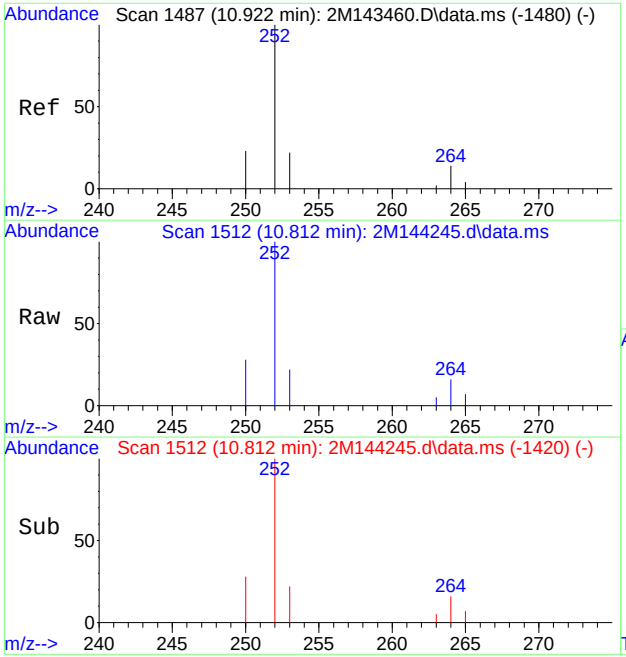


#31
Benzo[k]fluoranthene
Concen: 132.1244 ppb m
RT: 10.552 min Scan# 1464
Delta R.T. -0.005 min
Lab File: 2M144245.d
Acq: 18 Oct 2025 2:49 pm

Tgt Ion:252 Resp: 12663

Ion	Ratio	Lower	Upper
252	100		
253	20.4	0.0	51.9
250	26.7	0.0	52.6

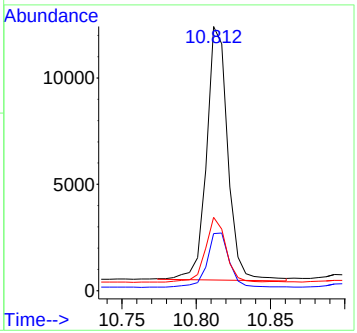


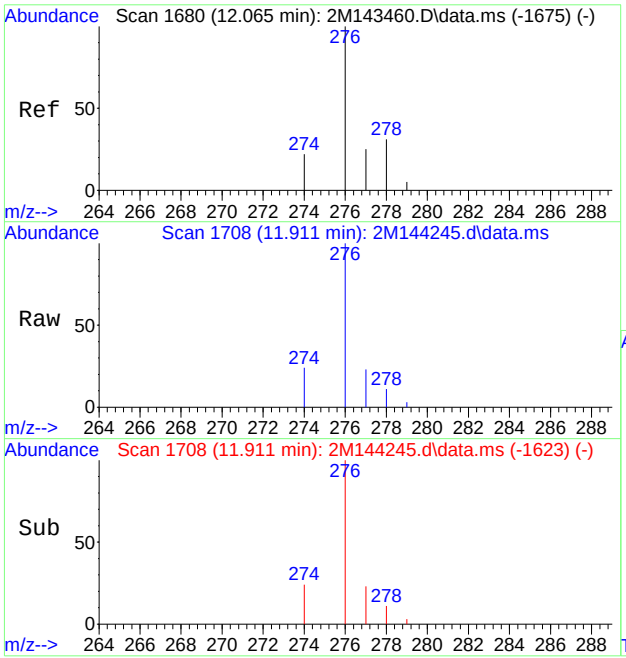


#32
Benzo[a]pyrene
Concen: 117.7368 ppb m
RT: 10.812 min Scan# 1512
Delta R.T. -0.005 min
Lab File: 2M144245.d
Acq: 18 Oct 2025 2:49 pm

Tgt Ion:252 Resp: 11803

Ion	Ratio	Lower	Upper
252	100		
253	21.6	0.0	52.3
250	27.8	0.0	53.7

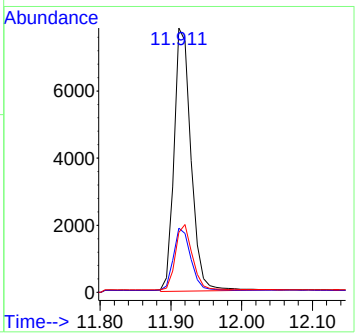


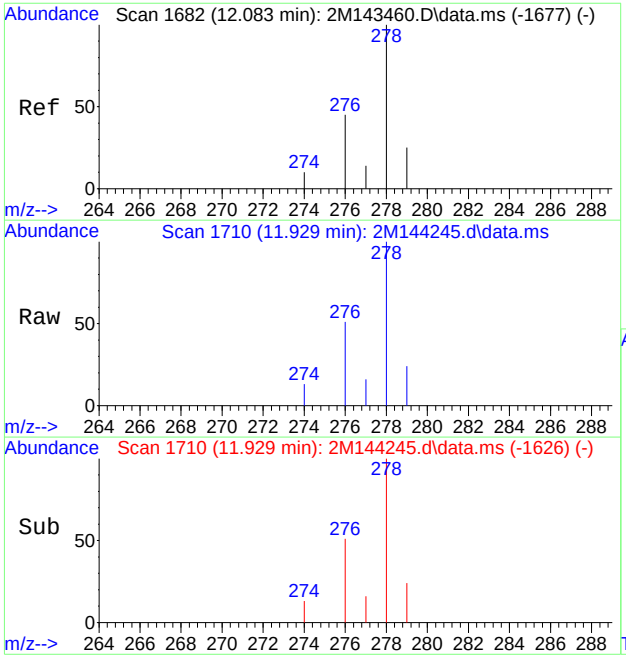


#33
Indeno[1,2,3-cd]pyrene
Concen: 101.4121 ppb
RT: 11.911 min Scan# 1708
Delta R.T. 0.000 min
Lab File: 2M144245.d
Acq: 18 Oct 2025 2:49 pm

Tgt Ion:276 Resp: 13117

Ion	Ratio	Lower	Upper
276	100		
274	23.7	0.0	53.8
277	21.9	0.0	52.0

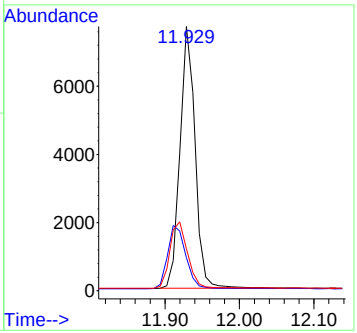


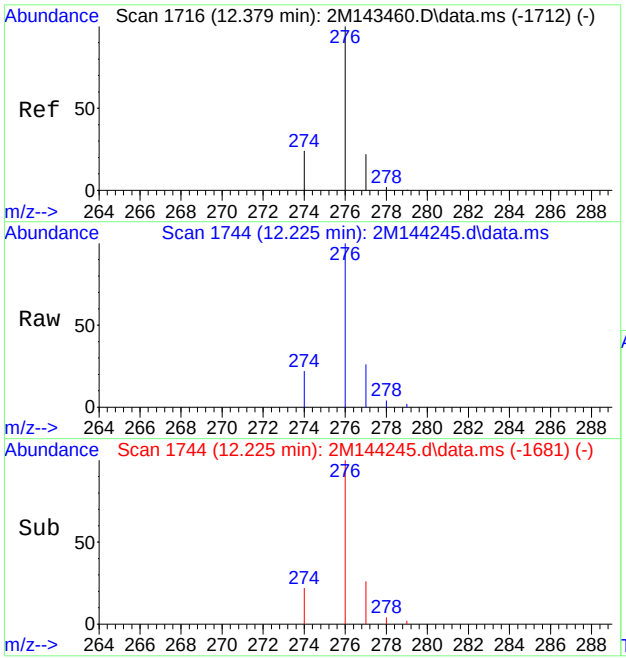


#34
Dibenz[a,h]anthracene
Concen: 105.2163 ppb
RT: 11.929 min Scan# 1710
Delta R.T. 0.000 min
Lab File: 2M144245.d
Acq: 18 Oct 2025 2:49 pm

Tgt Ion:278 Resp: 10799

Ion	Ratio	Lower	Upper
278	100		
274	11.0	0.0	42.6
277	14.7	0.0	46.3

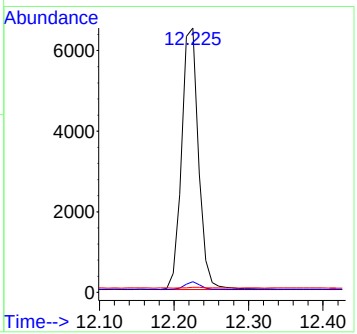




#35
Benzo[g,h,i]perylene
Concen: 95.6989 ppb
RT: 12.225 min Scan# 1744
Delta R.T. 0.000 min
Lab File: 2M144245.d
Acq: 18 Oct 2025 2:49 pm

Tgt Ion:276 Resp: 10254

Ion	Ratio	Lower	Upper
276	100		
278	3.0	0.0	32.9
279	0.2	0.0	30.2



Manual Integration Approval Summary

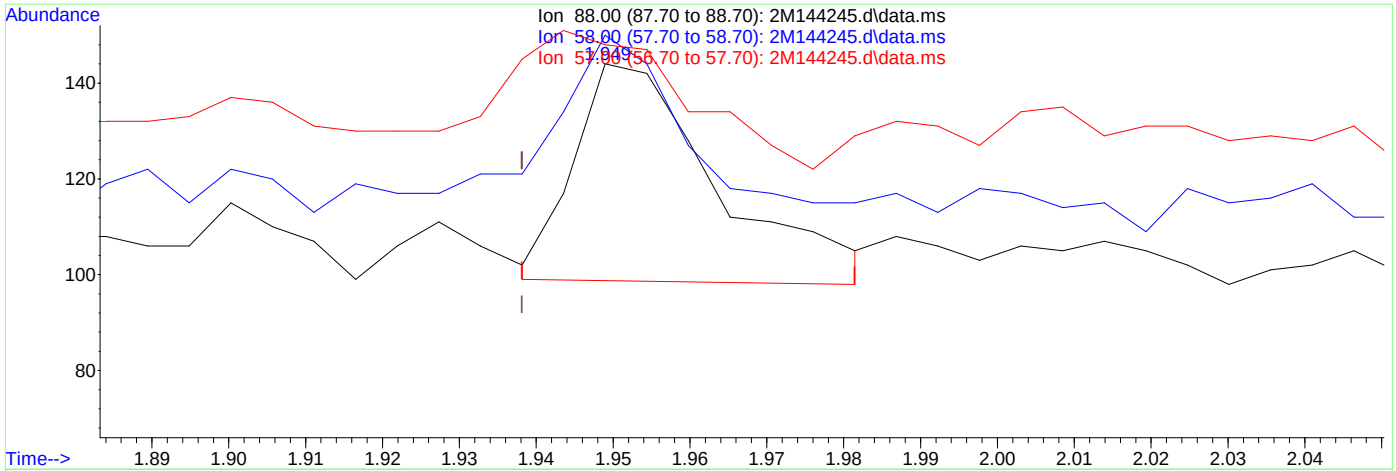
Sample Number: OP68166A-BS12
Lab FileID: 2M144245.D
Injection Time: 10/18/25 14:49
Method: SW846 8270E BY SIM
Analyst approved: 10/19/25 02:32 Anthony Torre
Supervisor approved: 10/20/25 09:43 Ying Li

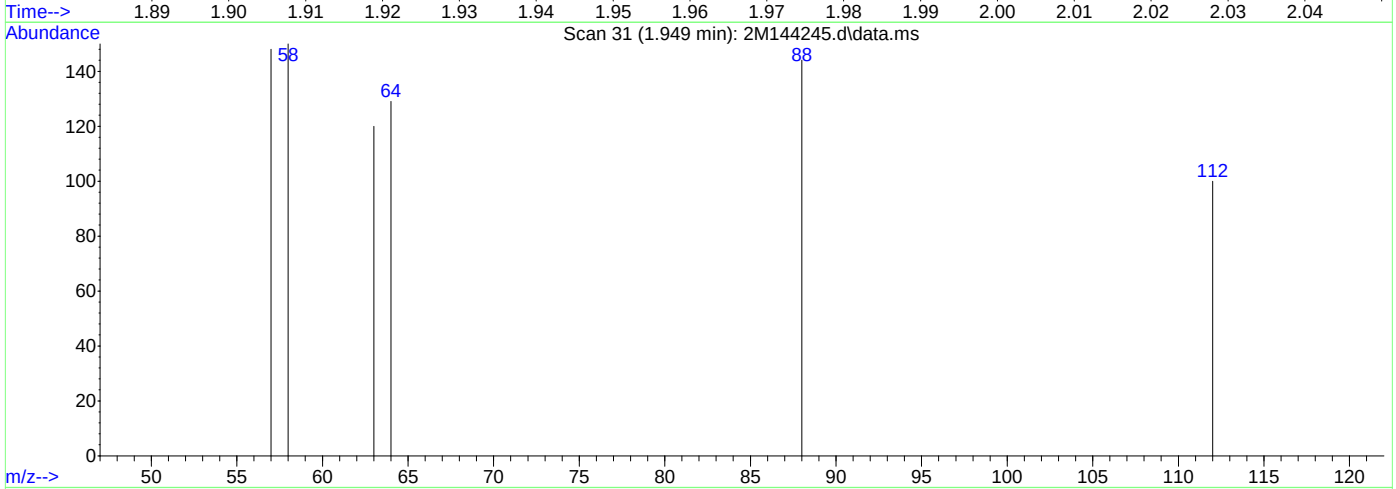
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,4-Dioxane	123-91-1		1.95	Poor instrument integration
Benzo(b)fluoranthene	205-99-2		10.53	Poor instrument integration
Benzo(k)fluoranthene	207-08-9		10.55	Poor instrument integration
Benzo(a)pyrene	50-32-8		10.81	Poor instrument integration

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\anthonyt\10-19-25\e2m6525\
Data File : 2M144245.d
Acq On : 18 Oct 2025 2:49 pm
Operator : rocquans
Sample : op68166a-bs12 Inst : GCMS2M
Misc : op68166a,E2M6525,250,,,1,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 19 13:15:13 2025
Quant Method : X:\Dayton SVOA GCMS\anthonyt\methods\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sun Oct 19 13:14:24 2025
Response via : Initial Calibration





TIC: 2M144245.d\data.ms

(2) 1,4-Dioxane (t)

1.949min (+0.011) 4.71ppb

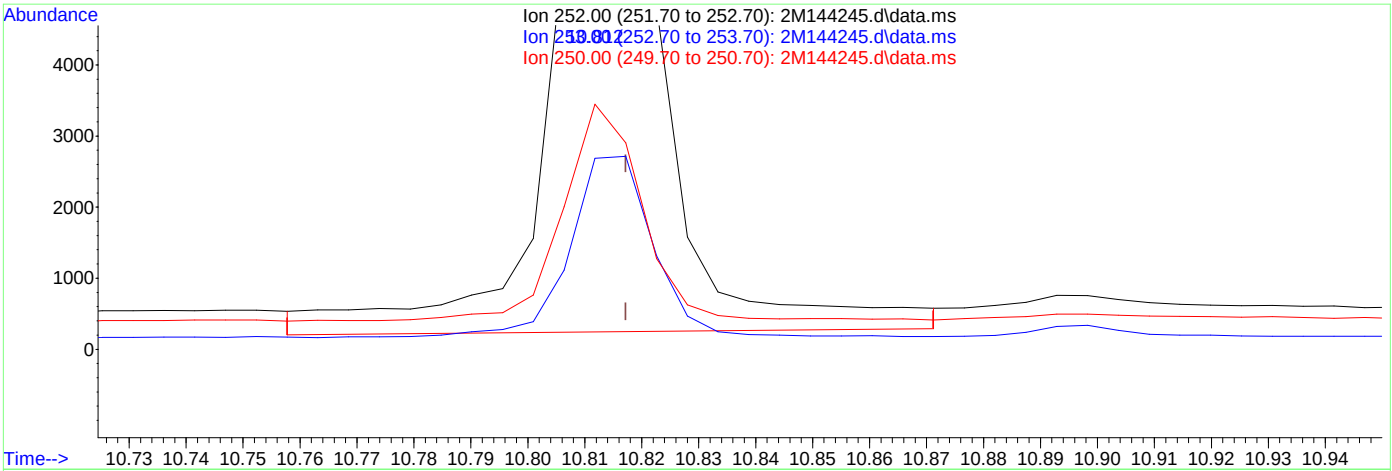
response 58

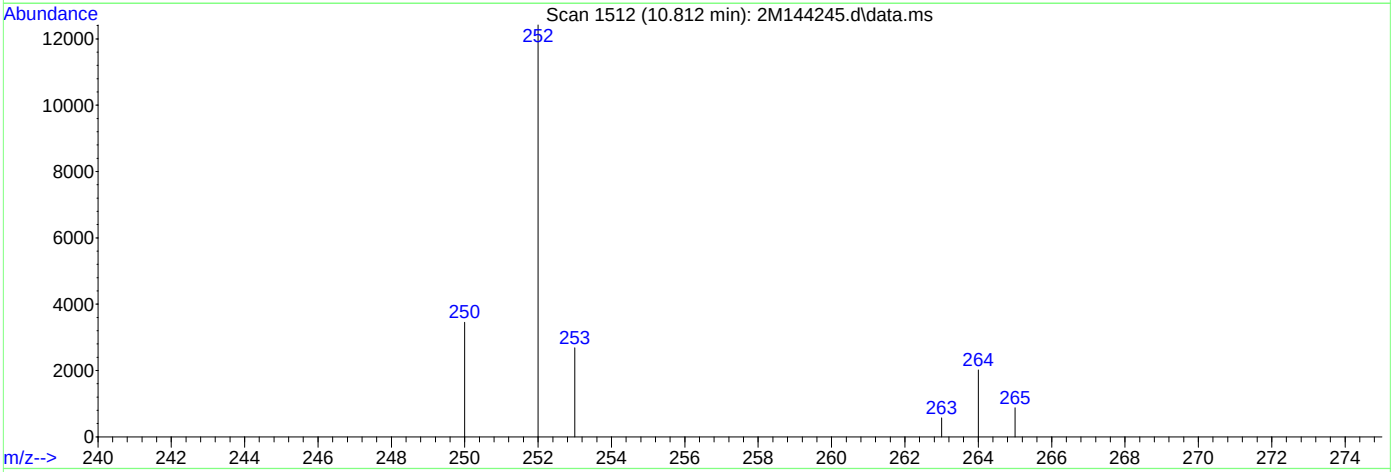
Ion	Exp%	Act%
88.00	100	100
58.00	74.40	79.01
57.00	60.60	27.16#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\anthonyt\10-19-25\e2m6525\
Data File : 2M144245.d
Acq On : 18 Oct 2025 2:49 pm
Operator : rocquans
Sample : op68166a-bs12 Inst : GCMS2M
Misc : op68166a,E2M6525,250,,,1,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 19 13:15:13 2025
Quant Method : X:\Dayton SVOA GCMS\anthonyt\methods\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sun Oct 19 13:14:24 2025
Response via : Initial Calibration





TIC: 2M144245.d\data.ms

(32) Benzo[a]pyrene (t)

10.812min (-0.005) 136.21ppb

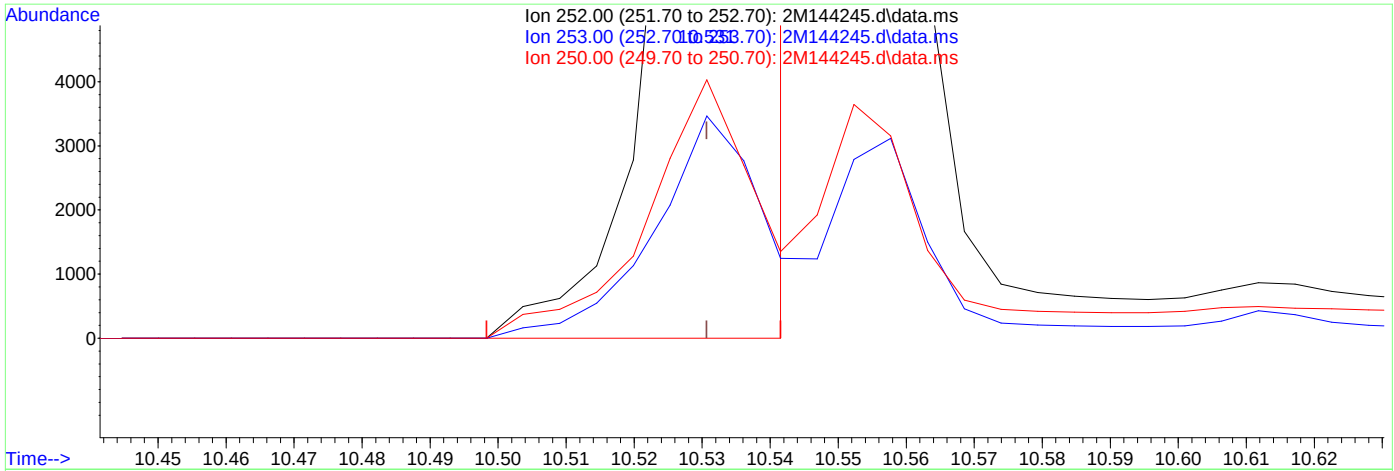
response 13655

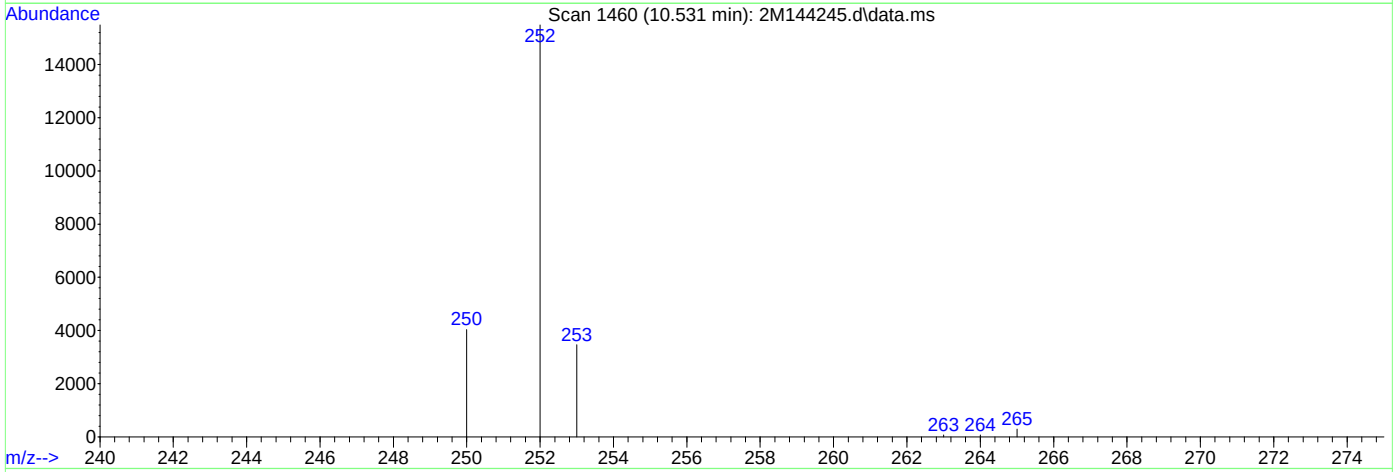
Ion	Exp%	Act%
252.00	100	100
253.00	22.30	21.16
250.00	23.70	25.65
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\anthonyt\10-19-25\e2m6525\
Data File : 2M144245.d
Acq On : 18 Oct 2025 2:49 pm
Operator : rocquans
Sample : op68166a-bs12 Inst : GCMS2M
Misc : op68166a,E2M6525,250,,,1,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 19 13:27:28 2025
Quant Method : X:\Dayton SVOA GCMS\anthonyt\methods\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sun Oct 19 13:14:24 2025
Response via : Initial Calibration





TIC: 2M144245.d\data.ms

(30) Benzo[b]fluoranthene (t)

10.531min (+0.000) 164.18ppb

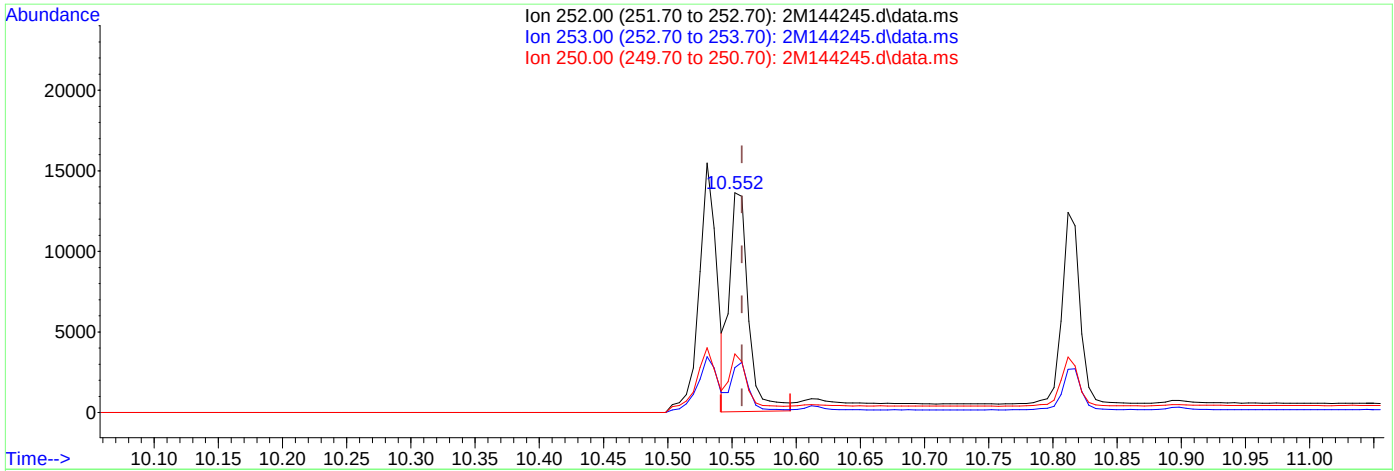
response 14787

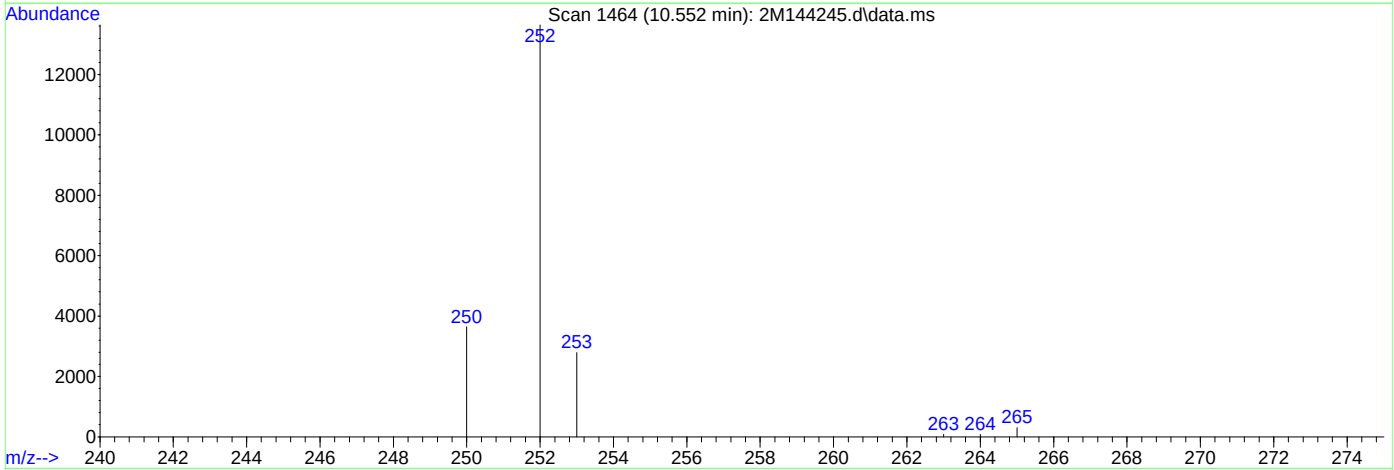
Ion	Exp%	Act%
252.00	100	100
253.00	19.60	21.82
250.00	26.20	25.74
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\anthonyt\10-19-25\e2m6525\
Data File : 2M144245.d
Acq On : 18 Oct 2025 2:49 pm
Operator : rocquans
Sample : op68166a-bs12 Inst : GCMS2M
Misc : op68166a,E2M6525,250,,,1,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 19 13:27:28 2025
Quant Method : X:\Dayton SVOA GCMS\anthonyt\methods\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sun Oct 19 13:14:24 2025
Response via : Initial Calibration





TIC: 2M144245.d\data.ms

(31) Benzo[k]fluoranthene (t)

10.552min (-0.005) 146.22ppb

response 14014

Ion	Exp%	Act%
252.00	100	100
253.00	21.90	19.06
250.00	22.60	25.46
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Ying Li
10/20/25 09:43

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\anthonyt\10-19-25\e2m6525\
Data File : 2M144246.d
Acq On : 18 Oct 2025 3:09 pm
Operator : rocquans
Sample : op68166a-bsd12 Inst : GCMS2M
Misc : op68166a,E2M6525,250,,,1,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 19 13:28:41 2025
Quant Method : X:\Dayton SVOA GCMS\anthonyt\methods\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sun Oct 19 13:14:24 2025
Response via : Initial Calibration

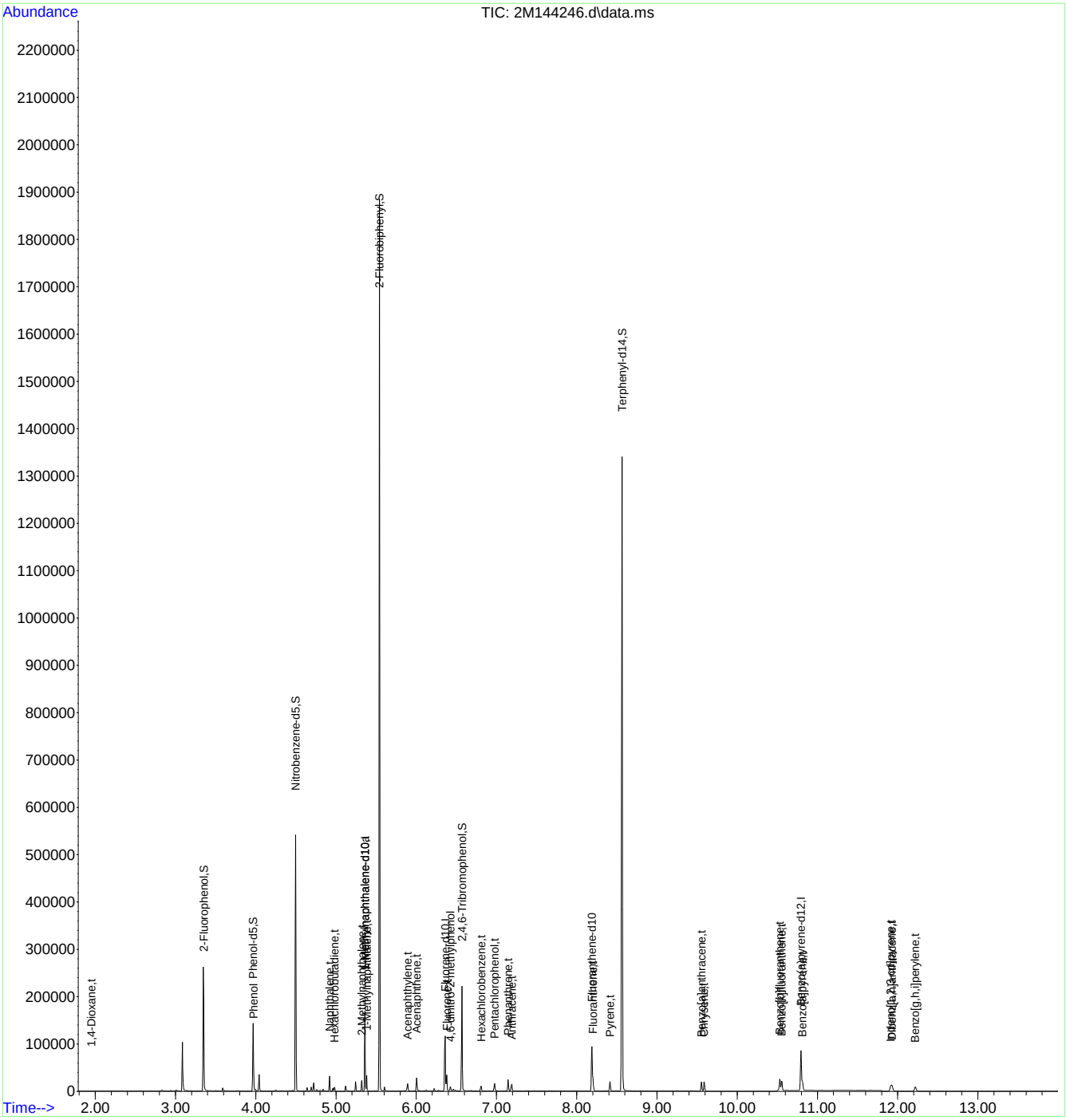
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1-Methylnaphthalene-d10	5.361	150	34802	800.00	ppb		0.00
12) Fluorene-d10	6.361	176	42621	800.00	ppb		0.00
19) Fluoranthene-d10	8.191	212	61032	800.00	ppb		0.00
29) Benzo(a)pyrene-d12	10.796	264	54115	800.00	ppb	#	0.00
36) 1-Methylnaphthalene-d10a	5.361	150	34802	800.00	ppb		0.00
System Monitoring Compounds							
3) 2-Fluorophenol	3.351	112	85689	3137.19	ppb		0.01
Spiked Amount 10000.000			Recovery =	31.37%			
4) Phenol-d5	3.966	99	68419	2300.55	ppb		0.00
Spiked Amount 10000.000			Recovery =	23.01%			
6) Nitrobenzene-d5	4.499	82	241066	8781.95	ppb		0.00
Spiked Amount 10000.000			Recovery =	87.82%			
13) 2-Fluorobiphenyl	5.542	172	593320	8676.36	ppb		0.00
Spiked Amount 10000.000			Recovery =	86.76%			
18) 2,4,6-Tribromophenol	6.570	330	60854	6628.18	ppb		0.00
Spiked Amount 10000.000			Recovery =	66.28%			
26) Terphenyl-d14	8.565	244	658462	10184.39	ppb		0.00
Spiked Amount 10000.000			Recovery =	101.84%			
Target Compounds							Qvalue
2) 1,4-Dioxane	1.949	88	52m	4.1749	ppb		
5) Phenol	3.973	94	9168	267.1042	ppb	#	75
7) Naphthalene	4.920	128	13841	134.0520	ppb		100
8) Hexachlorobutadiene	4.979	225	2334	127.9566	ppb		75
9) 2-Methylnaphthalene	5.323	141	5848	98.9561	ppb		95
10) 1-Methylnaphthalene	5.382	141	7430	120.6550	ppb		95
14) Acenaphthylene	5.894	152	9974	113.3204	ppb		96
15) Acenaphthene	6.003	153	7315	112.2091	ppb		91
16) Fluorene	6.380	166	9888	134.3226	ppb		97
17) 4,6-dinitro-2-methylph...	6.424	198	3704	541.4167	ppb	#	65
20) Hexachlorobenzene	6.809	284	3702	180.4518	ppb		92
21) Pentachlorophenol	6.977	266	6641	1200.7687	ppb		97
22) Phenanthrene	7.144	178	12806	142.5103	ppb		98
23) Anthracene	7.192	178	9557	106.7086	ppb		99
24) Fluoranthene	8.204	202	14983	134.5793	ppb		99
25) Pyrene	8.416	202	12189	109.2496	ppb		99
27) Benzo[a]anthracene	9.555	228	11078	141.4075	ppb		95
28) Chrysene	9.587	228	12685	127.9609	ppb		88
30) Benzo[b]fluoranthene	10.531	252	14803m	159.6340	ppb		
31) Benzo[k]fluoranthene	10.552	252	12896m	130.6866	ppb		
32) Benzo[a]pyrene	10.812	252	11769m	114.0220	ppb		
33) Indeno[1,2,3-cd]pyrene	11.911	276	10994	82.5544	ppb		100
34) Dibenz[a,h]anthracene	11.929	278	9163	86.7095	ppb		94
35) Benzo[g,h,i]perylene	12.216	276	9382	85.0430	ppb		98

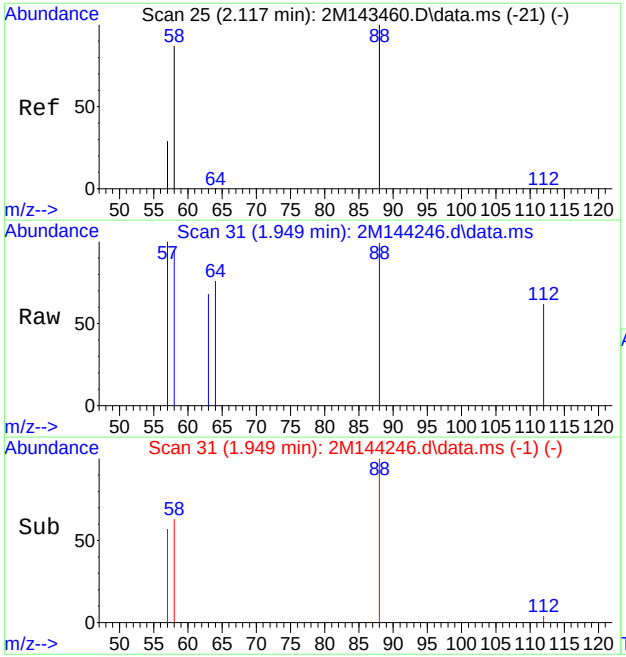
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\anthonyt\10-19-25\e2m6525\
Data File : 2M144246.d
Acq On : 18 Oct 2025 3:09 pm
Operator : rocquans
Sample : op68166a-bsd12 Inst : GCMS2M
Misc : op68166a,E2M6525,250,,,1,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 19 13:28:41 2025
Quant Method : X:\Dayton SVOA GCMS\anthonyt\methods\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sun Oct 19 13:14:24 2025
Response via : Initial Calibration

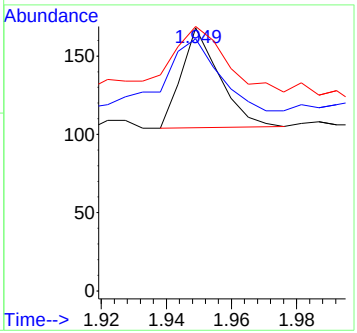


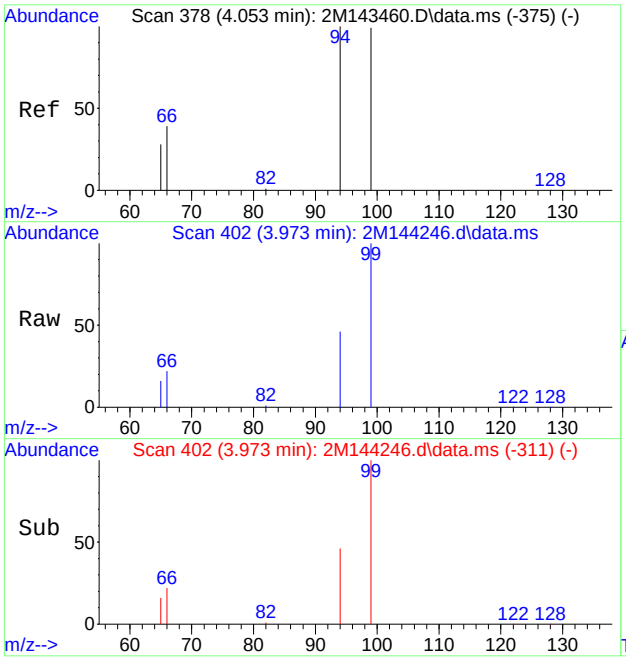


#2
1,4-Dioxane
Concen: 4.1749 ppb m
RT: 1.949 min Scan# 31
Delta R.T. 0.011 min
Lab File: 2M144246.d
Acq: 18 Oct 2025 3:09 pm

Tgt Ion: 88 Resp: 52

Ion	Ratio	Lower	Upper
88	100		
58	95.8	54.4	94.4#
57	100.6	40.6	80.6#

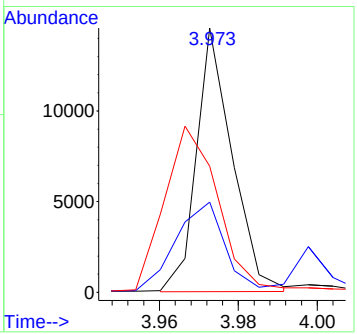


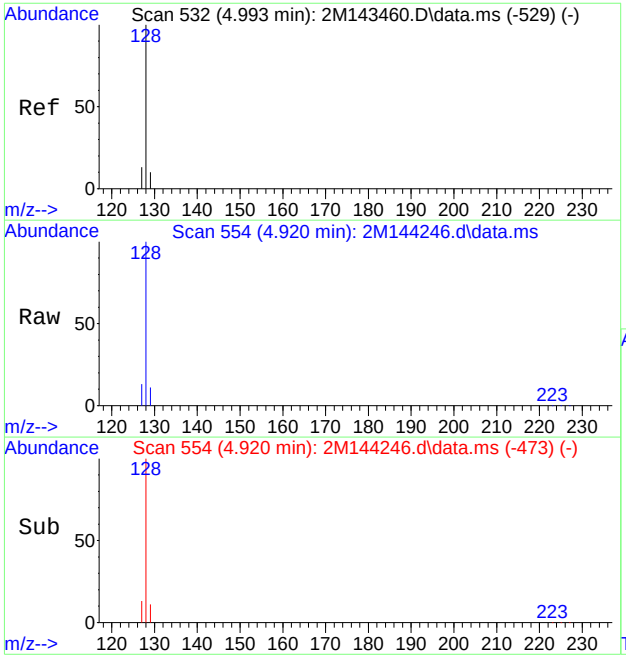


#5
Phenol
Concen: 267.1042 ppb
RT: 3.973 min Scan# 402
Delta R.T. 0.006 min
Lab File: 2M144246.d
Acq: 18 Oct 2025 3:09 pm

Tgt Ion: 94 Resp: 9168

Ion	Ratio	Lower	Upper
94	100		
65	28.7	34.9	52.3#
66	32.6	41.4	62.0#

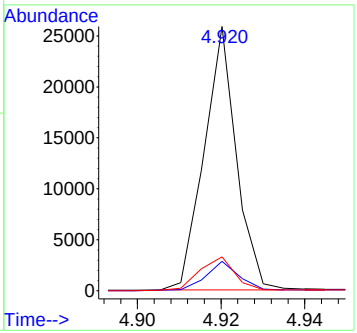


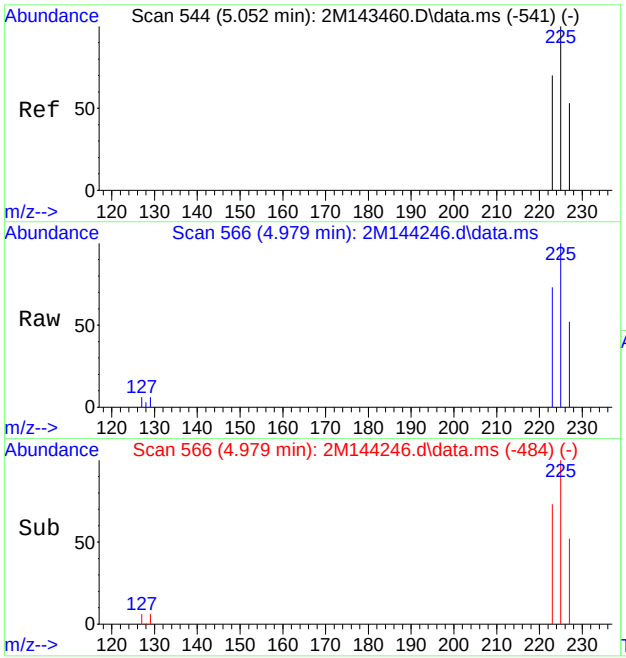


#7
Naphthalene
Concen: 134.0520 ppb
RT: 4.920 min Scan# 554
Delta R.T. 0.000 min
Lab File: 2M144246.d
Acq: 18 Oct 2025 3:09 pm

Tgt Ion:128 Resp: 13841

Ion	Ratio	Lower	Upper
128	100		
129	10.9	0.0	41.0
127	12.6	0.0	42.7

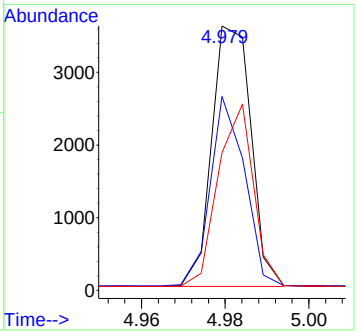


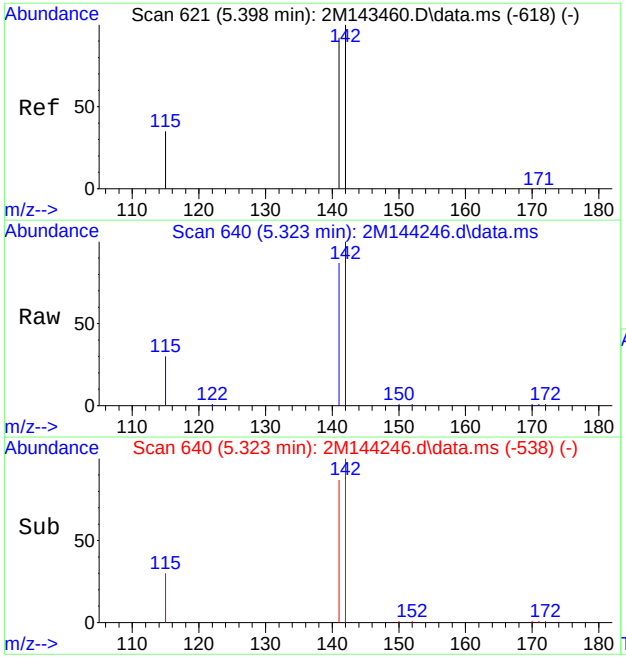


#8
Hexachlorobutadiene
Concen: 127.9566 ppb
RT: 4.979 min Scan# 566
Delta R.T. -0.005 min
Lab File: 2M144246.d
Acq: 18 Oct 2025 3:09 pm

Tgt Ion:225 Resp: 2334

Ion	Ratio	Lower	Upper
225	100		
223	72.8	23.3	83.3
227	51.2	40.1	100.1

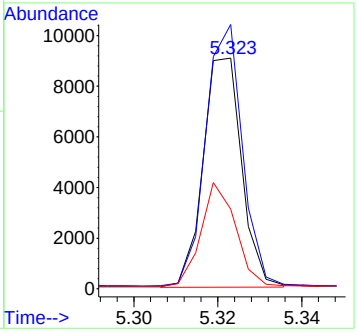


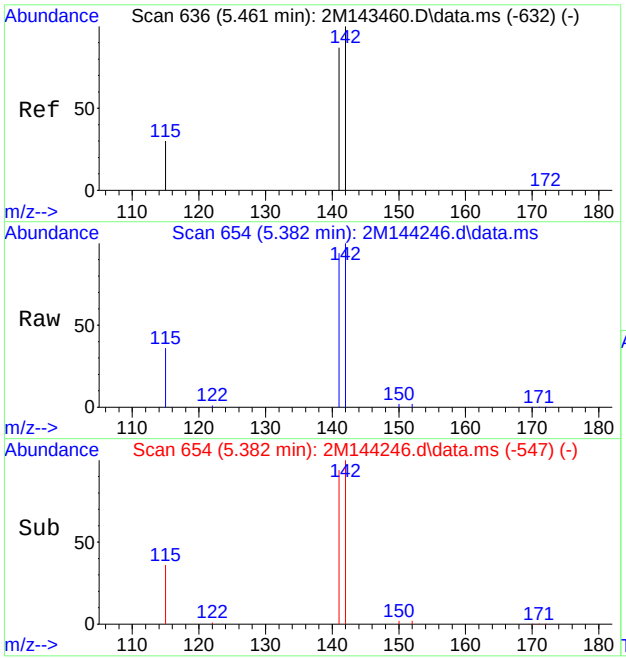


#9
2-Methylnaphthalene
Concen: 98.9561 ppb
RT: 5.323 min Scan# 640
Delta R.T. 0.000 min
Lab File: 2M144246.d
Acq: 18 Oct 2025 3:09 pm

Tgt Ion:141 Resp: 5848

Ion	Ratio	Lower	Upper
141	100		
142	114.6	80.0	140.0
115	33.8	7.2	67.2

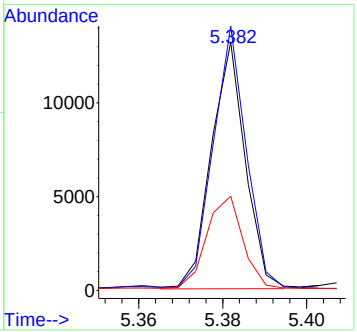


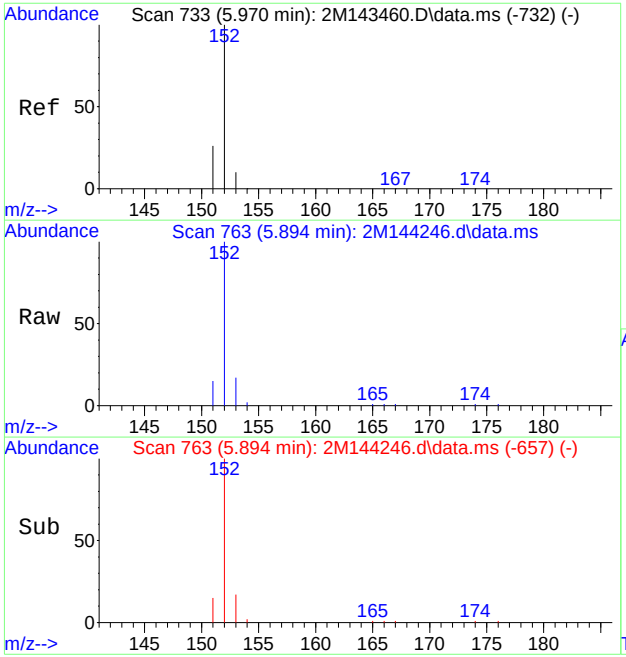


#10
1-Methylnaphthalene
Concen: 120.6550 ppb
RT: 5.382 min Scan# 654
Delta R.T. 0.000 min
Lab File: 2M144246.d
Acq: 18 Oct 2025 3:09 pm

Tgt Ion:141 Resp: 7430

Ion	Ratio	Lower	Upper
141	100		
142	106.8	71.6	131.6
115	37.6	11.1	71.1

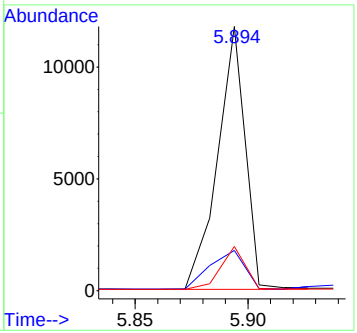


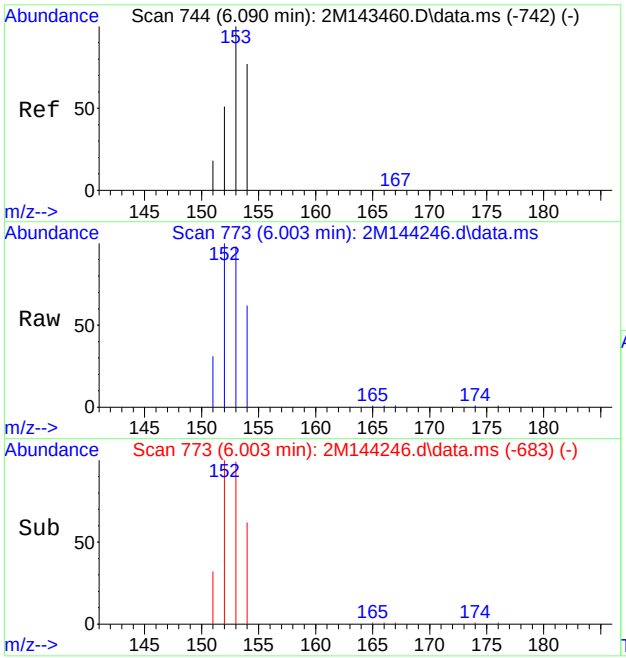


#14
Acenaphthylene
Concen: 113.3204 ppb
RT: 5.894 min Scan# 763
Delta R.T. 0.000 min
Lab File: 2M144246.d
Acq: 18 Oct 2025 3:09 pm

Tgt Ion:152 Resp: 9974

Ion	Ratio	Lower	Upper
152	100		
151	14.7	0.0	46.7
153	16.3	0.0	44.7

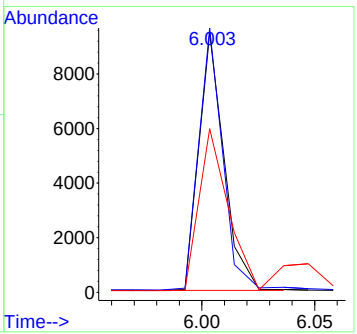


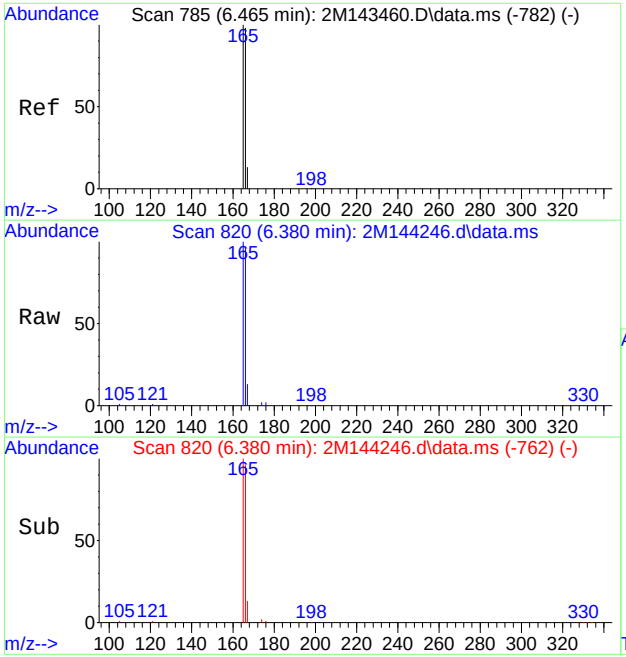


#15
Acenaphthene
Concen: 112.2091 ppb
RT: 6.003 min Scan# 773
Delta R.T. 0.000 min
Lab File: 2M144246.d
Acq: 18 Oct 2025 3:09 pm

Tgt Ion:153 Resp: 7315

Ion	Ratio	Lower	Upper
153	100		
152	101.5	79.1	139.1
154	58.2	19.3	79.3

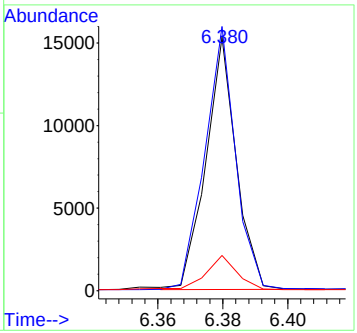


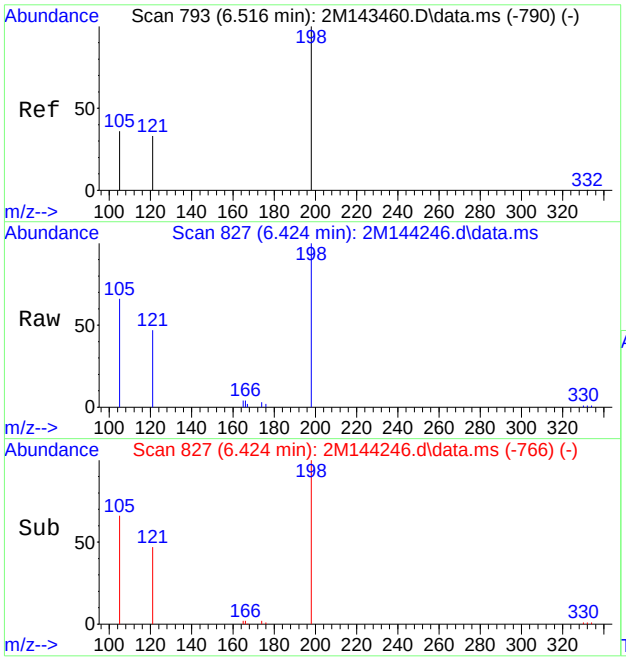


#16
Fluorene
Concen: 134.3226 ppb
RT: 6.380 min Scan# 820
Delta R.T. 0.000 min
Lab File: 2M144246.d
Acq: 18 Oct 2025 3:09 pm

Tgt Ion:166 Resp: 9888

Ion	Ratio	Lower	Upper
166	100		
165	104.7	78.3	138.3
167	13.4	0.0	42.9

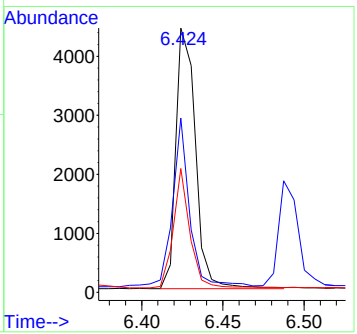


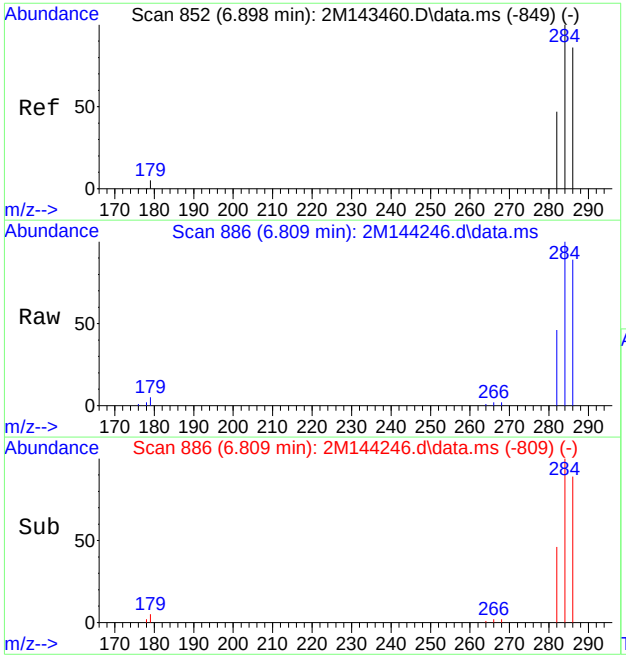


#17
4,6-dinitro-2-methylphenol
Concen: 541.4167 ppb
RT: 6.424 min Scan# 827
Delta R.T. -0.006 min
Lab File: 2M144246.d
Acq: 18 Oct 2025 3:09 pm

Tgt Ion:198 Resp: 3704

Ion	Ratio	Lower	Upper
198	100		
105	43.3	8.7	48.7
121	45.5	3.8	43.8#

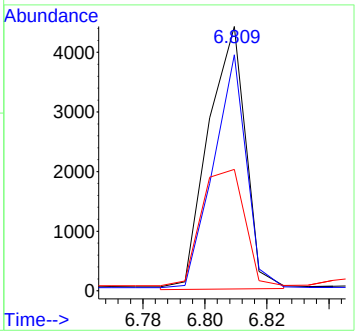


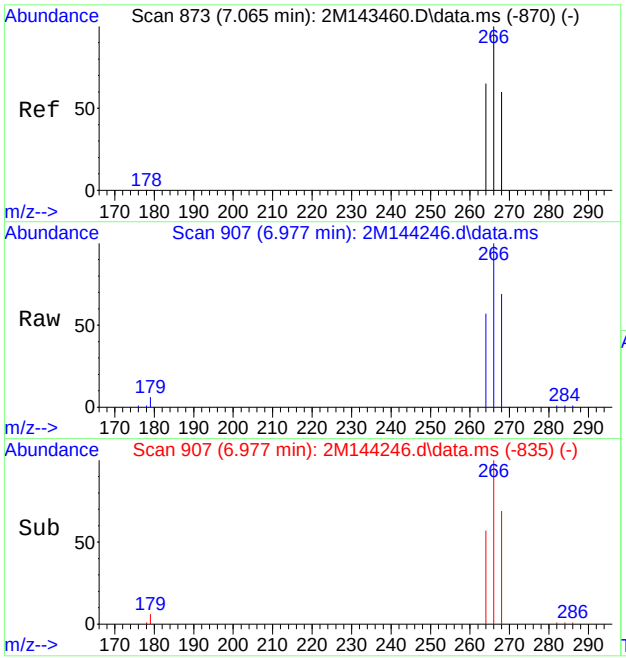


#20
Hexachlorobenzene
Concen: 180.4518 ppb
RT: 6.809 min Scan# 886
Delta R.T. 0.000 min
Lab File: 2M144246.d
Acq: 18 Oct 2025 3:09 pm

Tgt Ion:284 Resp: 3702

Ion	Ratio	Lower	Upper
284	100		
286	89.4	51.5	111.5
282	44.7	19.2	79.2

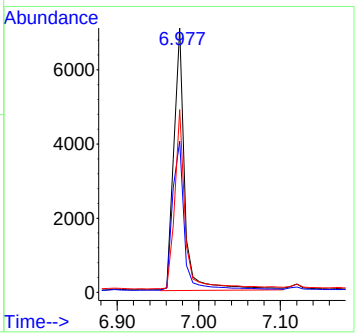


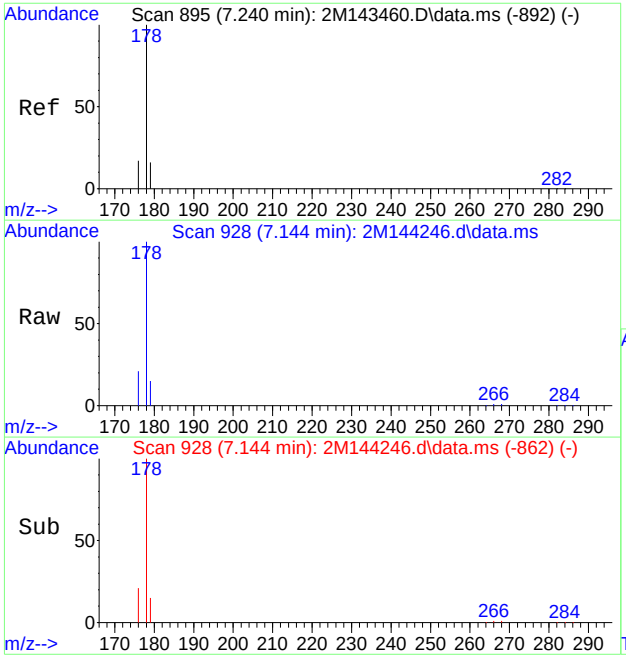


#21
Pentachlorophenol
Concen: 1200.7687 ppb
RT: 6.977 min Scan# 907
Delta R.T. 0.000 min
Lab File: 2M144246.d
Acq: 18 Oct 2025 3:09 pm

Tgt Ion:266 Resp: 6641

Ion	Ratio	Lower	Upper
266	100		
264	56.8	29.3	89.3
268	68.3	35.4	95.4

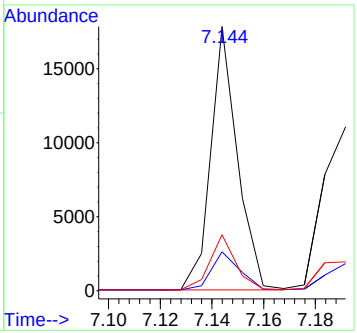


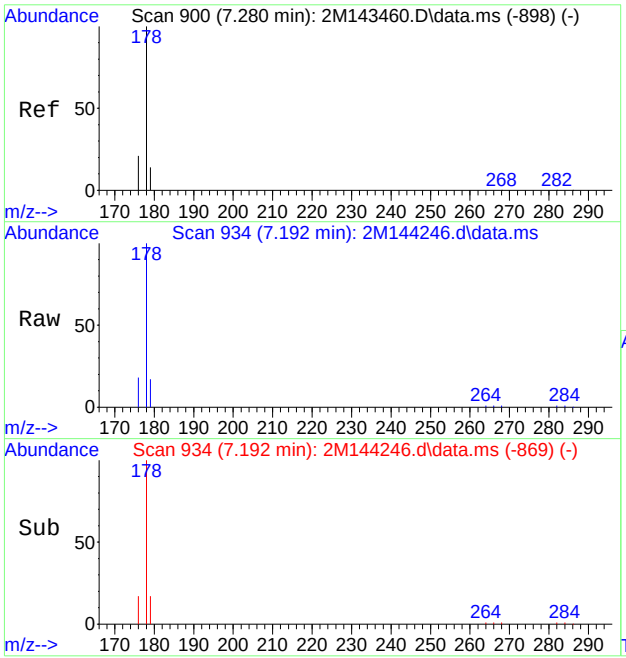


#22
Phenanthrene
Concen: 142.5103 ppb
RT: 7.144 min Scan# 928
Delta R.T. 0.000 min
Lab File: 2M144246.d
Acq: 18 Oct 2025 3:09 pm

Tgt Ion:178 Resp: 12806

Ion	Ratio	Lower	Upper
178	100		
179	14.4	0.0	43.8
176	20.9	0.0	52.0

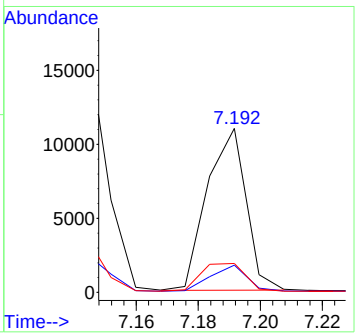


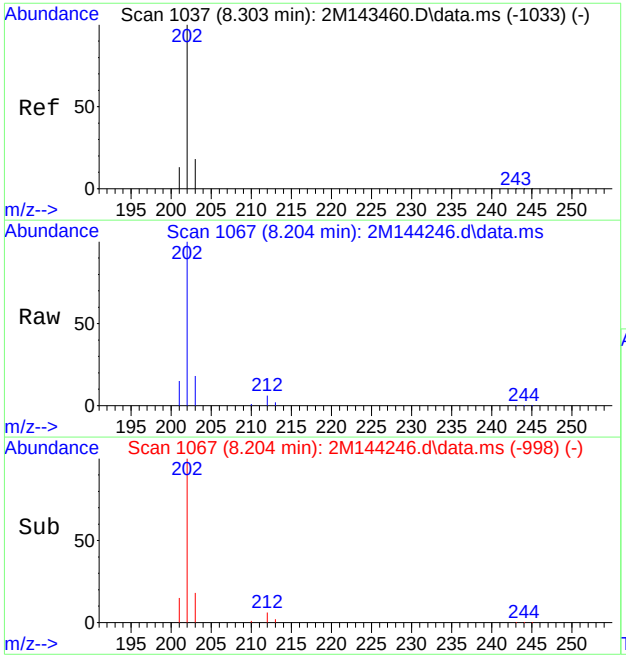


#23
Anthracene
Concen: 106.7086 ppb
RT: 7.192 min Scan# 934
Delta R.T. 0.000 min
Lab File: 2M144246.d
Acq: 18 Oct 2025 3:09 pm

Tgt Ion:178 Resp: 9557

Ion	Ratio	Lower	Upper
178	100		
179	16.1	0.0	45.9
176	17.2	0.0	48.0

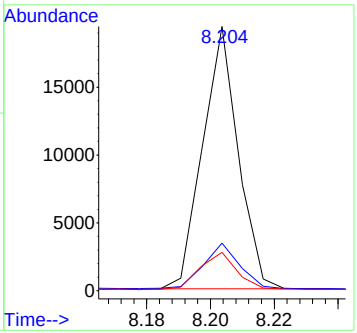


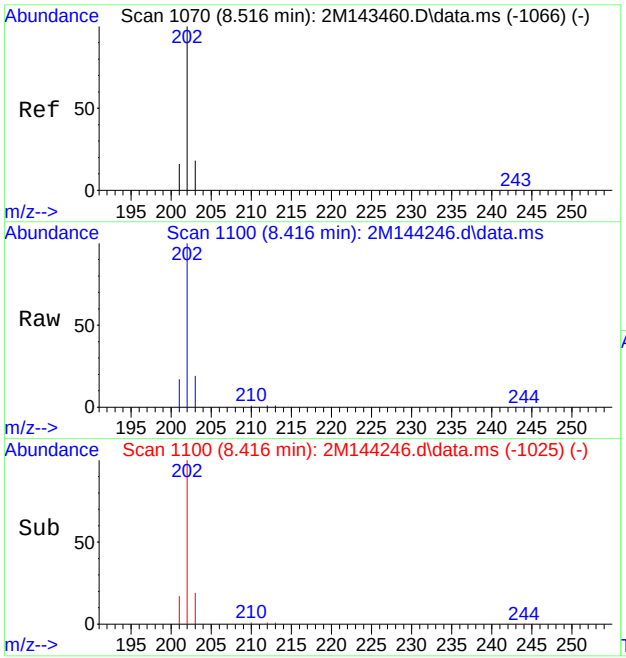


#24
Fluoranthene
Concen: 134.5793 ppb
RT: 8.204 min Scan# 1067
Delta R.T. 0.000 min
Lab File: 2M144246.d
Acq: 18 Oct 2025 3:09 pm

Tgt Ion:202 Resp: 14983

Ion	Ratio	Lower	Upper
202	100		
203	17.2	0.0	47.1
201	14.1	0.0	44.5

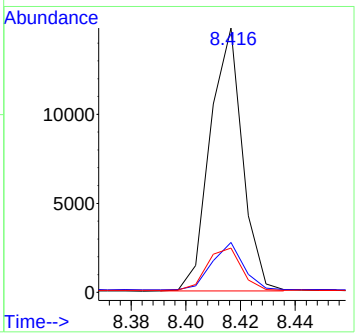


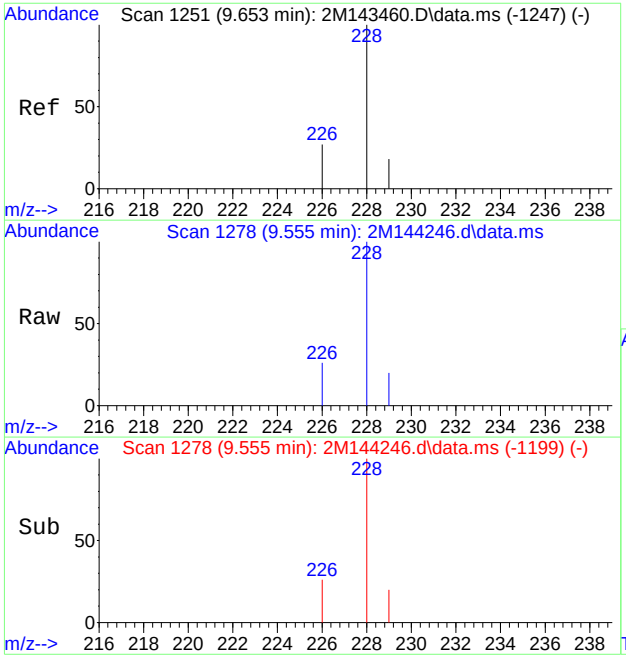


#25
Pyrene
Concen: 109.2496 ppb
RT: 8.416 min Scan# 1100
Delta R.T. 0.000 min
Lab File: 2M144246.d
Acq: 18 Oct 2025 3:09 pm

Tgt Ion:202 Resp: 12189

Ion	Ratio	Lower	Upper
202	100		
203	18.0	0.0	47.7
201	16.2	0.0	46.7

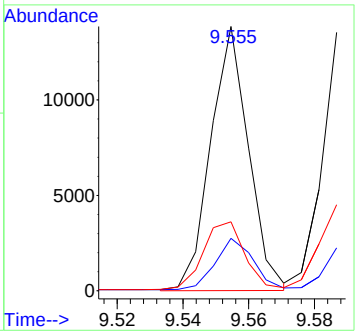


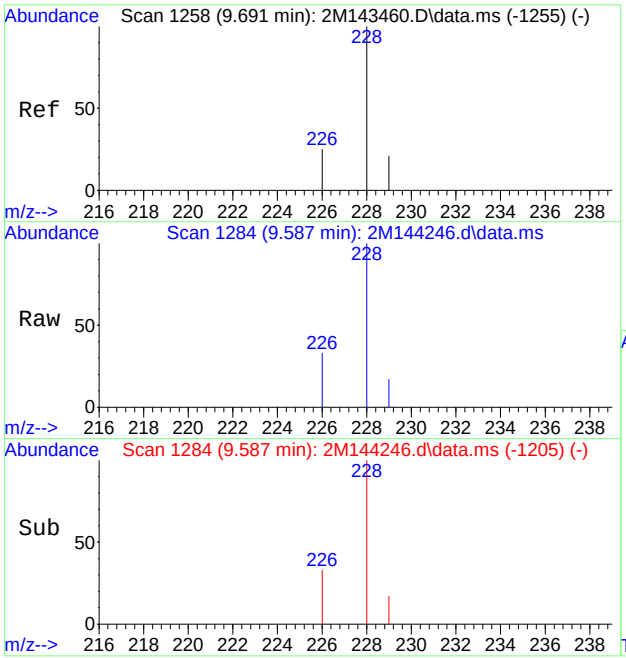


#27
Benzo[a]anthracene
Concen: 141.4075 ppb
RT: 9.555 min Scan# 1278
Delta R.T. 0.000 min
Lab File: 2M144246.d
Acq: 18 Oct 2025 3:09 pm

Tgt Ion:228 Resp: 11078

Ion	Ratio	Lower	Upper
228	100		
229	19.3	0.0	47.3
226	25.7	0.0	58.2

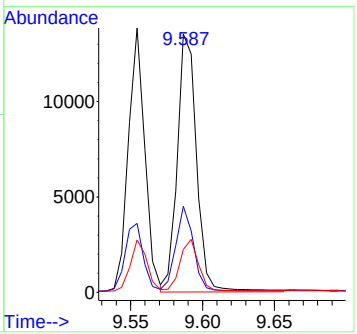


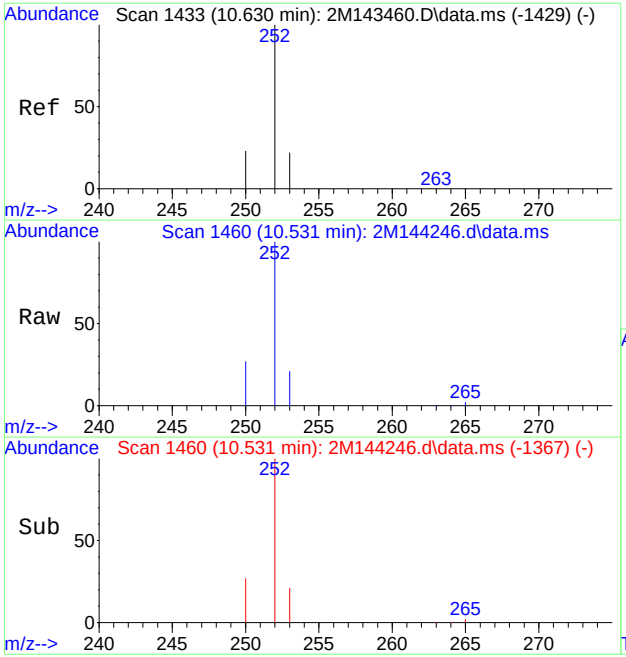


#28
Chrysene
Concen: 127.9609 ppb
RT: 9.587 min Scan# 1284
Delta R.T. -0.005 min
Lab File: 2M144246.d
Acq: 18 Oct 2025 3:09 pm

Tgt Ion:228 Resp: 12685

Ion	Ratio	Lower	Upper
228	100		
226	33.0	0.0	56.1
229	16.0	0.0	50.8

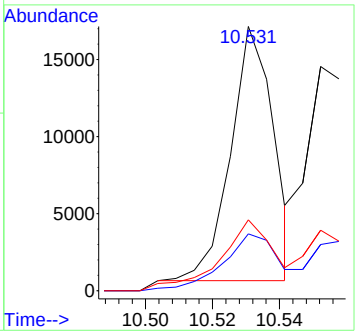


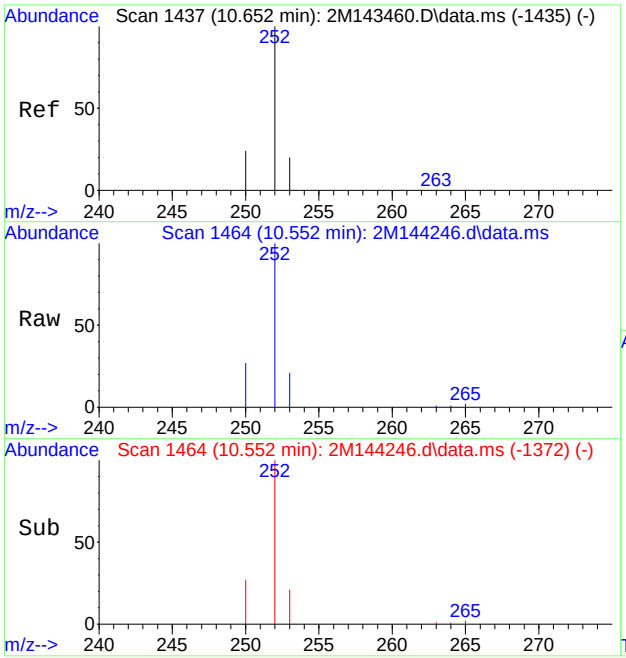


#30
Benzo[b]fluoranthene
Concen: 159.6340 ppb m
RT: 10.531 min Scan# 1460
Delta R.T. 0.000 min
Lab File: 2M144246.d
Acq: 18 Oct 2025 3:09 pm

Tgt Ion:252 Resp: 14803

Ion	Ratio	Lower	Upper
252	100		
253	21.5	0.0	49.6
250	26.8	0.0	56.2

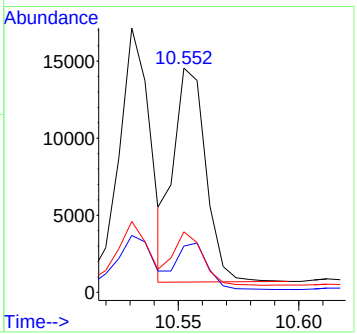


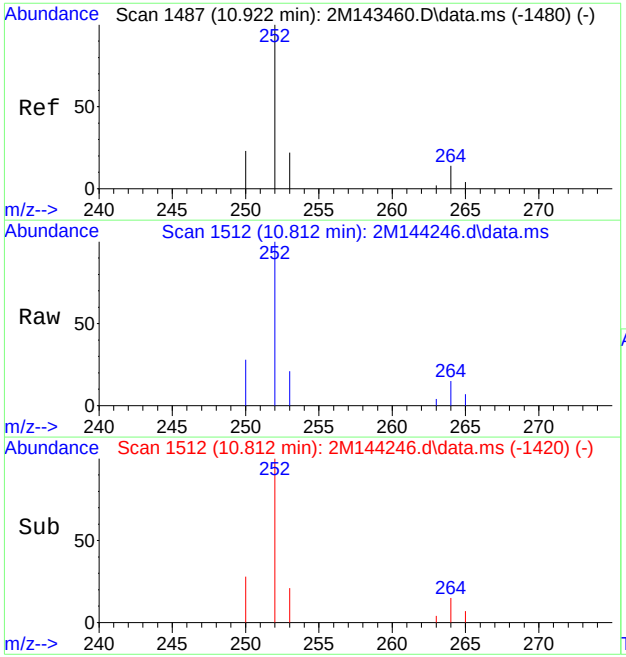


#31
Benzo[k]fluoranthene
Concen: 130.6866 ppb m
RT: 10.552 min Scan# 1464
Delta R.T. -0.005 min
Lab File: 2M144246.d
Acq: 18 Oct 2025 3:09 pm

Tgt Ion:252 Resp: 12896

Ion	Ratio	Lower	Upper
252	100		
253	20.7	0.0	51.9
250	27.0	0.0	52.6

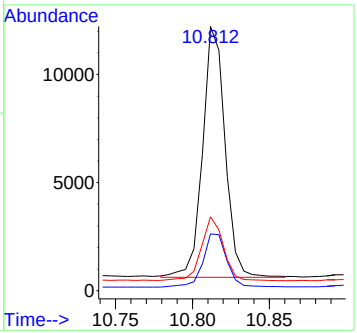


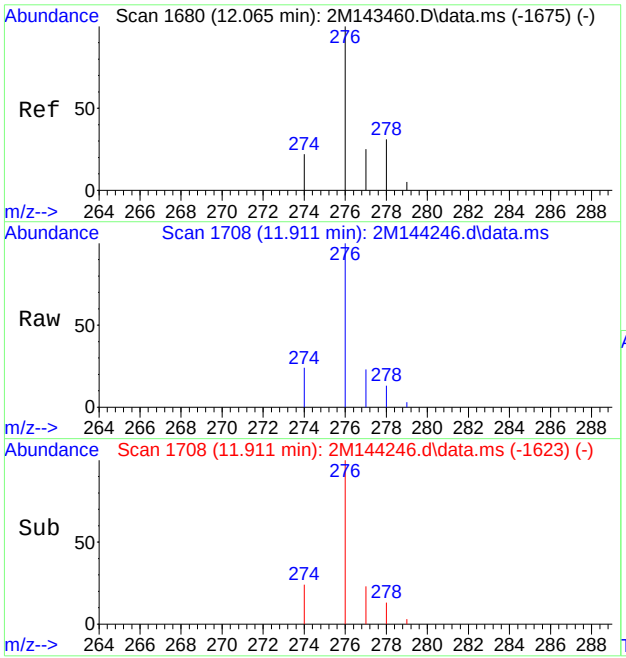


#32
Benzo[a]pyrene
Concen: 114.0220 ppb m
RT: 10.812 min Scan# 1512
Delta R.T. -0.005 min
Lab File: 2M144246.d
Acq: 18 Oct 2025 3:09 pm

Tgt Ion:252 Resp: 11769

Ion	Ratio	Lower	Upper
252	100		
253	21.5	0.0	52.3
250	28.0	0.0	53.7

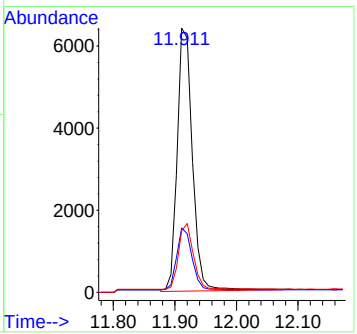


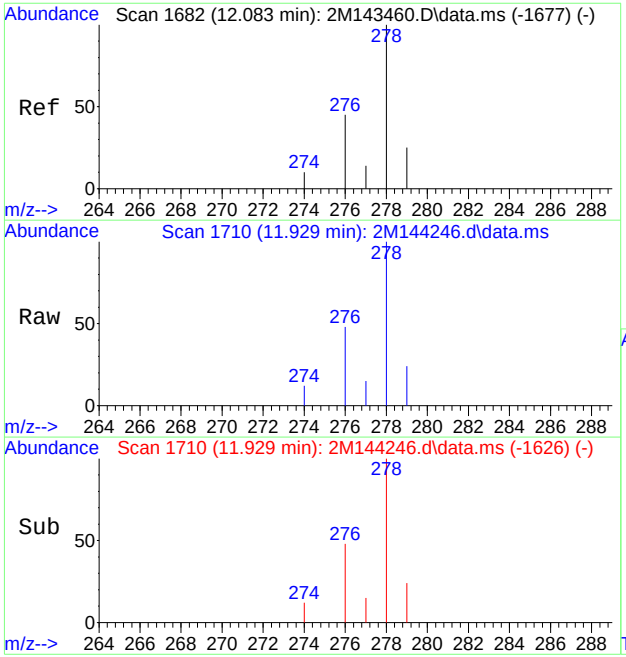


#33
Indeno[1,2,3-cd]pyrene
Concen: 82.5544 ppb
RT: 11.911 min Scan# 1708
Delta R.T. 0.000 min
Lab File: 2M144246.d
Acq: 18 Oct 2025 3:09 pm

Tgt Ion:276 Resp: 10994

Ion	Ratio	Lower	Upper
276	100		
274	23.6	0.0	53.8
277	22.2	0.0	52.0

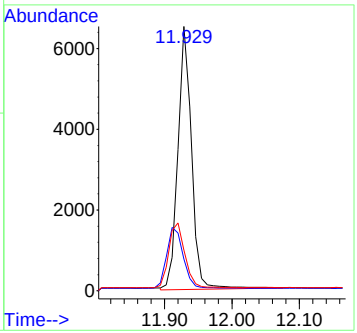


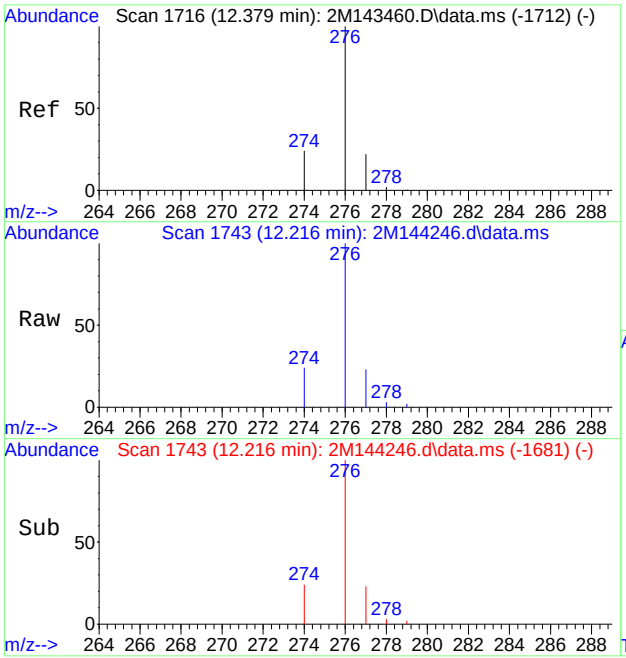


#34
Dibenz[a,h]anthracene
Concen: 86.7095 ppb
RT: 11.929 min Scan# 1710
Delta R.T. 0.000 min
Lab File: 2M144246.d
Acq: 18 Oct 2025 3:09 pm

Tgt Ion:278 Resp: 9163

Ion	Ratio	Lower	Upper
278	100		
274	10.1	0.0	42.6
277	13.9	0.0	46.3

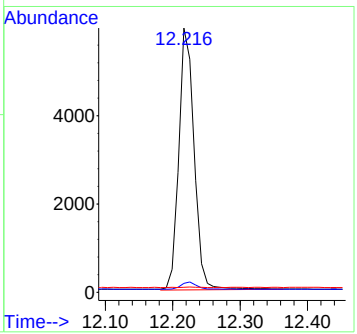




#35
Benzo[g,h,i]perylene
Concen: 85.0430 ppb
RT: 12.216 min Scan# 1743
Delta R.T. -0.009 min
Lab File: 2M144246.d
Acq: 18 Oct 2025 3:09 pm

Tgt Ion:276 Resp: 9382

Ion	Ratio	Lower	Upper
276	100		
278	2.3	0.0	32.9
279	0.1	0.0	30.2



Manual Integration Approval Summary

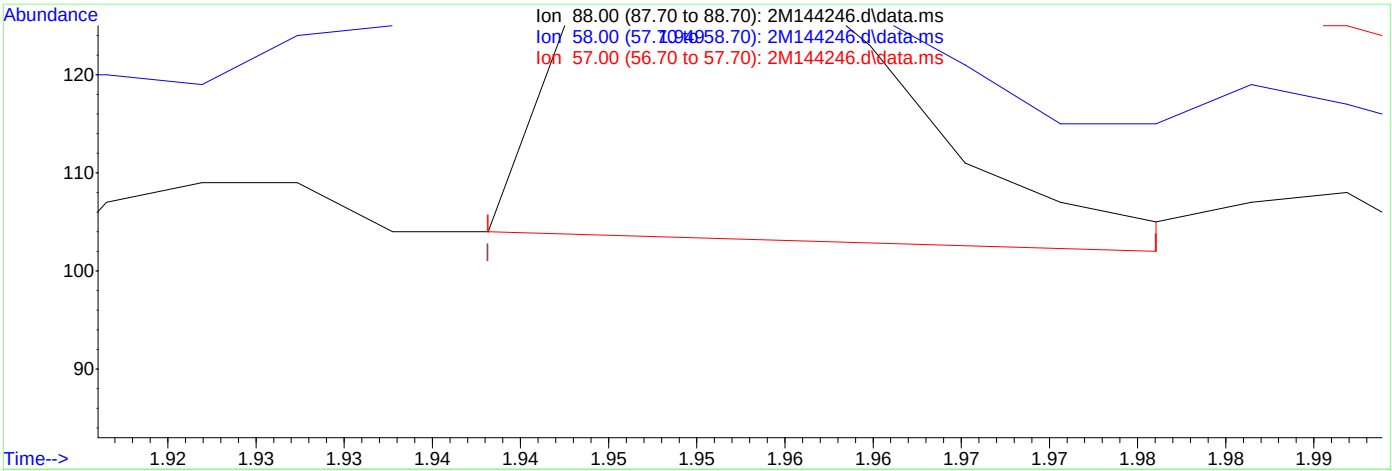
Sample Number: OP68166A-BSD12
Lab FileID: 2M144246.D
Injection Time: 10/18/25 15:09
Method: SW846 8270E BY SIM
Analyst approved: 10/19/25 02:32 Anthony Torre
Supervisor approved: 10/20/25 09:43 Ying Li

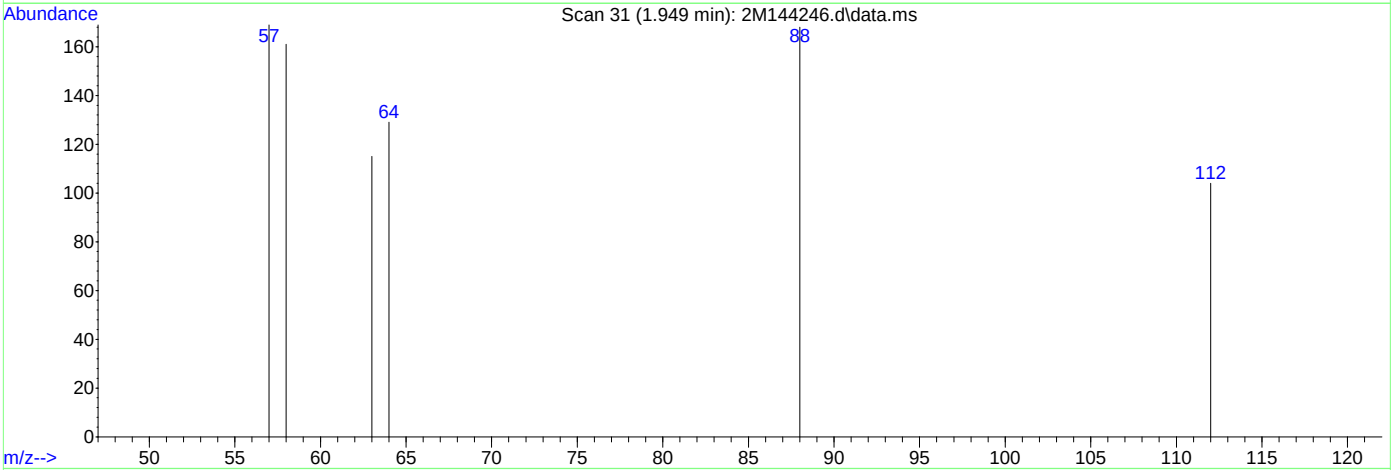
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,4-Dioxane	123-91-1		1.95	Poor instrument integration
Benzo(b)fluoranthene	205-99-2		10.53	Poor instrument integration
Benzo(k)fluoranthene	207-08-9		10.55	Poor instrument integration
Benzo(a)pyrene	50-32-8		10.81	Poor instrument integration

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\anthonyt\10-19-25\e2m6525\
Data File : 2M144246.d
Acq On : 18 Oct 2025 3:09 pm
Operator : rocquans
Sample : op68166a-bsd12 Inst : GCMS2M
Misc : op68166a,E2M6525,250,,,1,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 19 13:15:20 2025
Quant Method : X:\Dayton SVOA GCMS\anthonyt\methods\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sun Oct 19 13:14:24 2025
Response via : Initial Calibration





TIC: 2M144246.d\data.ms

(2) 1,4-Dioxane (t)

1.949min (+0.011) 4.42ppb

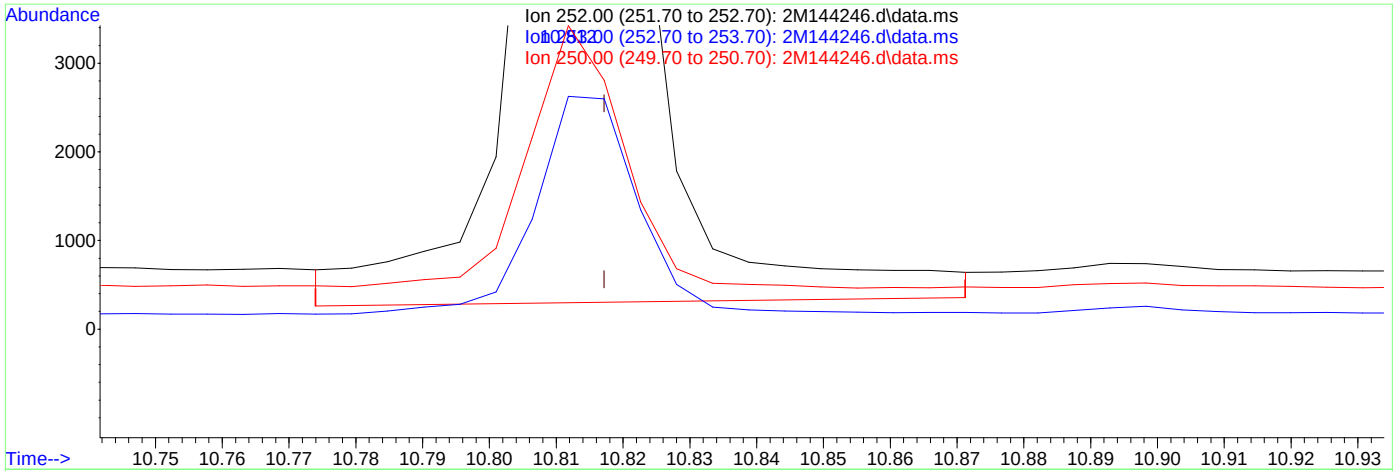
response 55

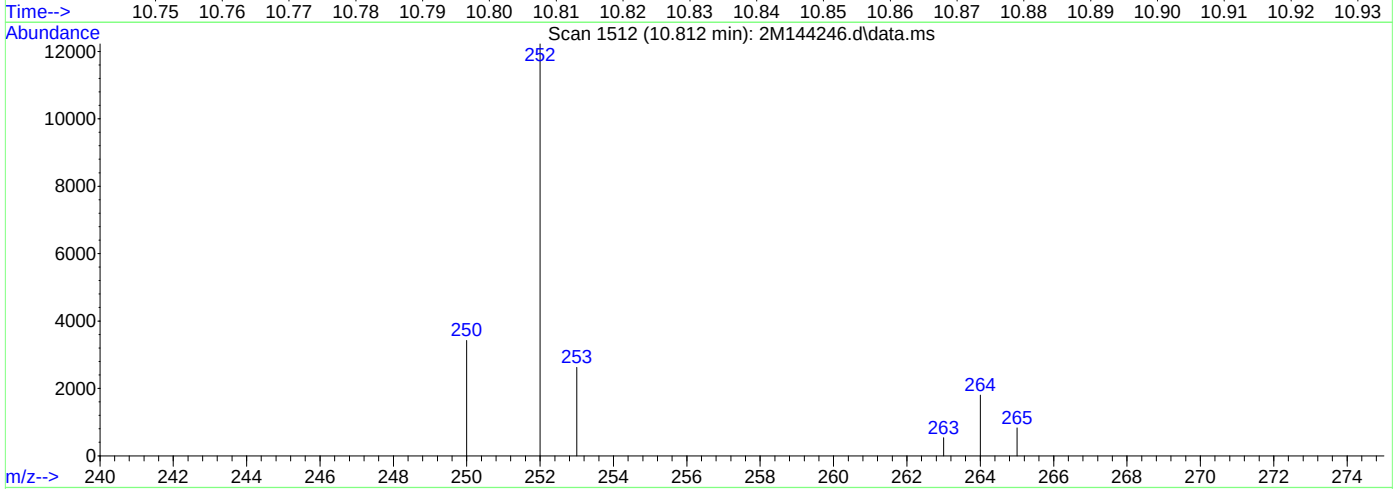
Ion	Exp%	Act%
88.00	100	100
58.00	74.40	62.99
57.00	60.60	57.48
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\anthonyt\10-19-25\e2m6525\
Data File : 2M144246.d
Acq On : 18 Oct 2025 3:09 pm
Operator : rocquans
Sample : op68166a-bsd12 Inst : GCMS2M
Misc : op68166a,E2M6525,250,,,1,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 19 13:15:20 2025
Quant Method : X:\Dayton SVOA GCMS\anthonyt\methods\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sun Oct 19 13:14:24 2025
Response via : Initial Calibration





TIC: 2M144246.d\data.ms

(32) Benzo[a]pyrene (t)

10.812min (-0.005) 132.30ppb

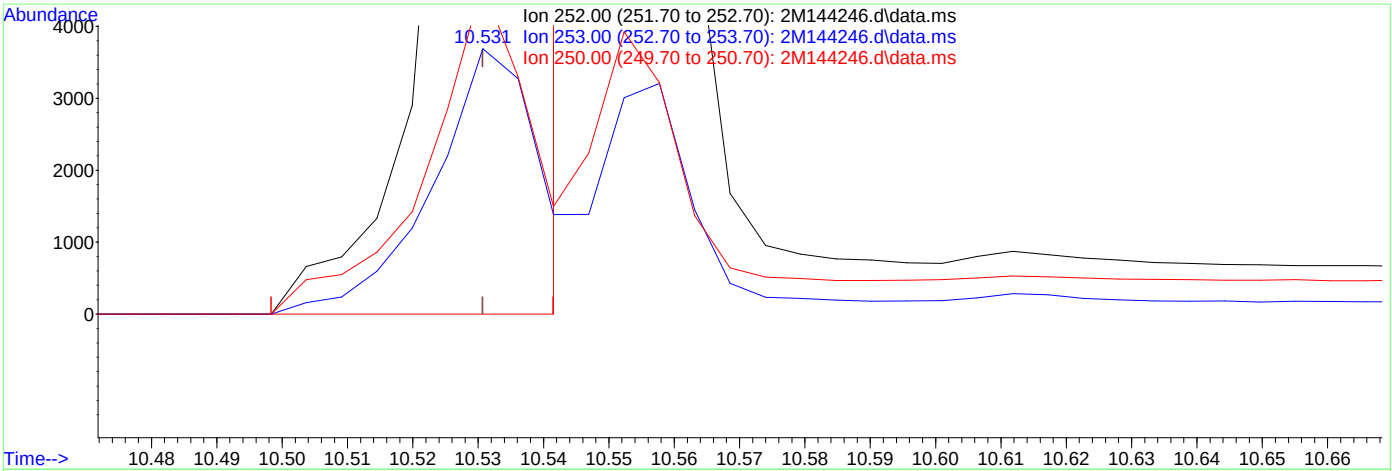
response 13656

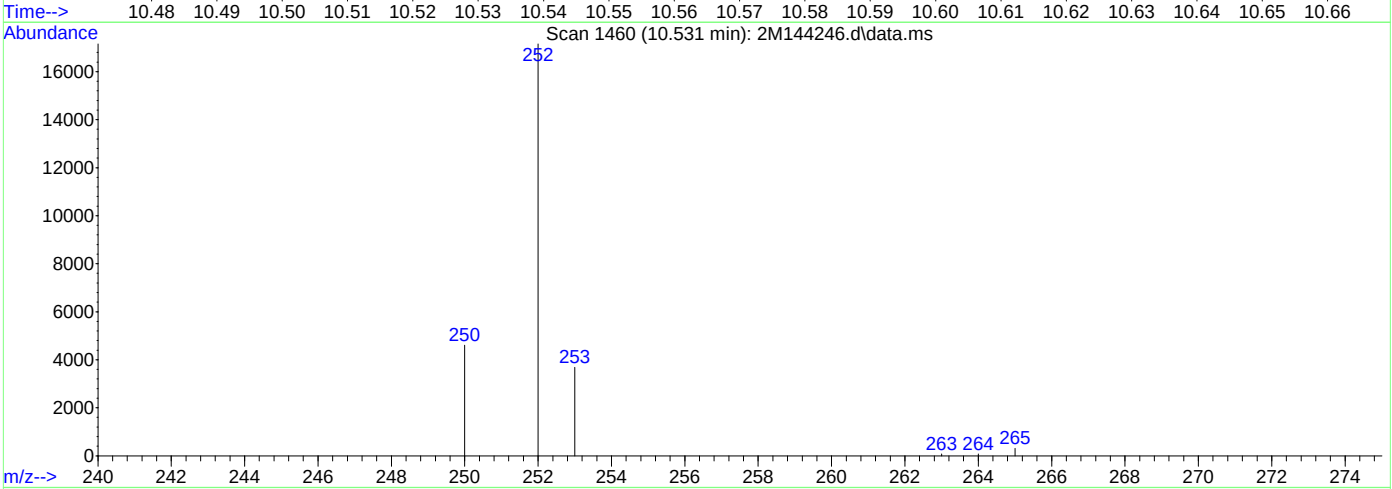
Ion	Exp%	Act%
252.00	100	100
253.00	22.30	21.16
250.00	23.70	25.40
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\anthonyt\10-19-25\e2m6525\
Data File : 2M144246.d
Acq On : 18 Oct 2025 3:09 pm
Operator : rocquans
Sample : op68166a-bsd12 Inst : GCMS2M
Misc : op68166a,E2M6525,250,,,1,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 19 13:15:20 2025
Quant Method : X:\Dayton SVOA GCMS\anthonyt\methods\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sun Oct 19 13:14:24 2025
Response via : Initial Calibration





TIC: 2M144246.d\data.ms

(30) Benzo[b]fluoranthene (t)

10.531min (+0.000) 177.69ppb

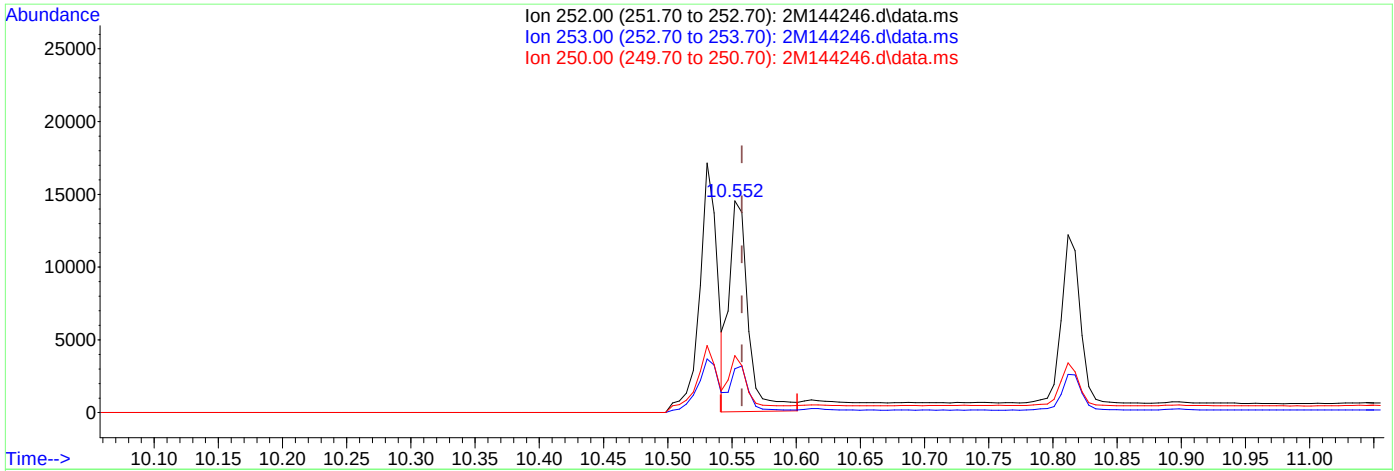
response 16477

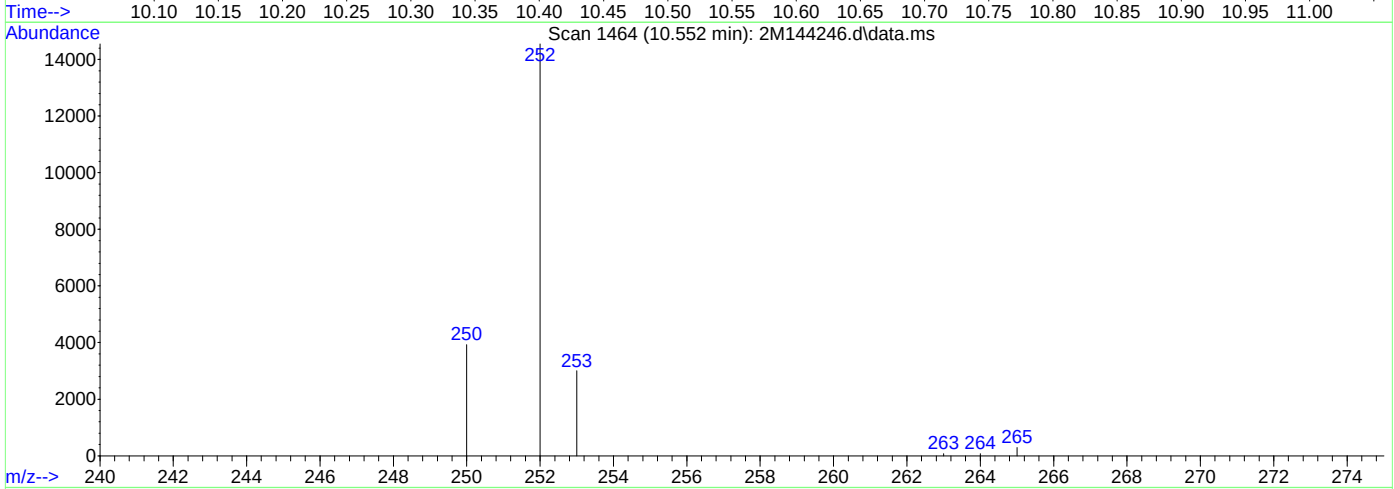
Ion	Exp%	Act%
252.00	100	100
253.00	19.60	20.83
250.00	26.20	26.80
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\anthonyt\10-19-25\e2m6525\
Data File : 2M144246.d
Acq On : 18 Oct 2025 3:09 pm
Operator : rocquans
Sample : op68166a-bsd12 Inst : GCMS2M
Misc : op68166a,E2M6525,250,,,1,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 19 13:15:20 2025
Quant Method : X:\Dayton SVOA GCMS\anthonyt\methods\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sun Oct 19 13:14:24 2025
Response via : Initial Calibration





TIC: 2M144246.d\data.ms

(31) Benzo[k]fluoranthene (t)

10.552min (-0.005) 152.13ppb

response 15012

Ion	Exp%	Act%
252.00	100	100
253.00	21.90	19.44
250.00	22.60	25.68
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Ying Li
10/21/25 11:23

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\lorenat\Octubre\2025-10-20\ecs470\
Data File : cs9119.D
Acq On : 18 Oct 2025 06:19 pm
Operator : rocquans
Sample : op68253a-bs12 Inst : GCMS_CS
Misc : op68253a,ecs470,250,,,1,1
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Oct 20 19:23:55 2025
Quant Method : X:\Dayton SVOA GCMS\lorenat\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 18:05:43 2025
Response via : Initial Calibration

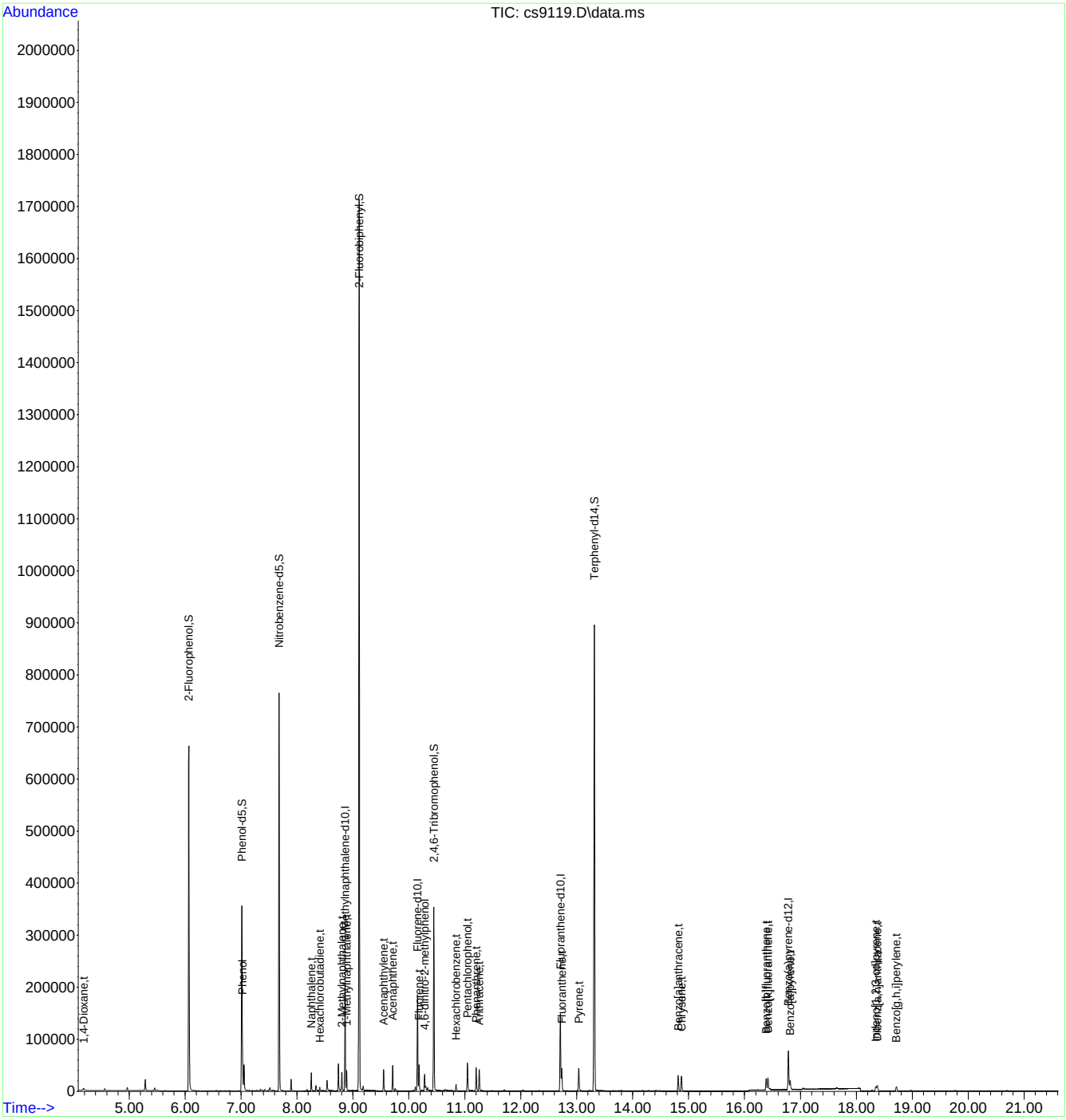
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	8.859	150	60652	800.00	ppb	0.00
11) Fluorene-d10	10.153	176	76944	800.00	ppb	0.00
18) Fluoranthene-d10	12.707	212	112191	800.00	ppb	0.00
28) Benzo(a)pyrene-d12	16.783	264	59986	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	6.066	112	310612	5344.78	ppb	0.00
Spiked Amount 10000.000			Recovery =	53.45%		
4) Phenol-d5	7.011	99	272103	3965.29	ppb	0.00
Spiked Amount 10000.000			Recovery =	39.65%		
6) Nitrobenzene-d5	7.680	82	387010	6834.75	ppb	0.00
Spiked Amount 10000.000			Recovery =	68.35%		
12) 2-Fluorobiphenyl	9.112	172	818995	6566.69	ppb	0.00
Spiked Amount 10000.000			Recovery =	65.67%		
17) 2,4,6-Tribromophenol	10.446	330	120822	9442.40	ppb	0.00
Spiked Amount 10000.000			Recovery =	94.42%		
25) Terphenyl-d14	13.315	244	641222	7967.53	ppb	0.00
Spiked Amount 10000.000			Recovery =	79.68%		
Target Compounds						Qvalue
2) 1,4-Dioxane	4.184	88	2751	102.5287	ppb #	25
5) Phenol	7.025	94	29640	373.5261	ppb	96
7) Naphthalene	8.256	128	21639	99.3950	ppb	99
8) Hexachlorobutadiene	8.407	225	2254	70.7023	ppb	98
9) 2-Methylnaphthalene	8.802	141	10803	89.3519	ppb	99
10) 1-Methylnaphthalene	8.887	141	12063	104.8647	ppb	98
13) Acenaphthylene	9.548	152	25360	134.8477	ppb	99
14) Acenaphthene	9.710	153	15613	119.3126	ppb	99
15) Fluorene	10.182	166	19260	128.9284	ppb	97
16) 4,6-dinitro-2-methylph...	10.280	198	14347	1028.8508	ppb	97
19) Hexachlorobenzene	10.841	284	4348	113.6160	ppb	98
20) Pentachlorophenol	11.046	266	21312	1137.2263	ppb	99
21) Phenanthrene	11.202	178	29684	149.1773	ppb	100
22) Anthracene	11.257	178	28259	154.0147	ppb	99
23) Fluoranthene	12.731	202	31335	150.0176	ppb	99
24) Pyrene	13.036	202	32451	152.9174	ppb	99
26) Benzo[a]anthracene	14.814	228	22275	145.3692	ppb	99
27) Chrysene	14.873	228	21442	140.9741	ppb	100
29) Benzo[b]fluoranthene	16.387	252	16472	125.6539	ppb	100
30) Benzo[k]fluoranthene	16.419	252	17136	140.1791	ppb	99
31) Benzo[a]pyrene	16.815	252	13549	111.4640	ppb	99
32) Indeno[1,2,3-cd]pyrene	18.344	276	8369m	87.2887	ppb	
33) Dibenz[a,h]anthracene	18.373	278	8721	97.0259	ppb	94
34) Benzo[g,h,i]perylene	18.712	276	8355	87.4120	ppb	100

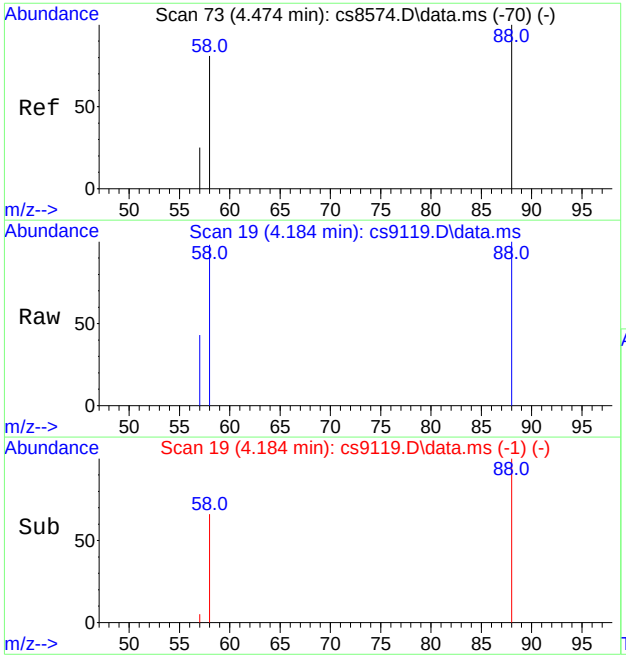
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\lorenat\Octubre\2025-10-20\ecs470\
Data File : cs9119.D
Acq On : 18 Oct 2025 06:19 pm
Operator : rocquans
Sample : op68253a-bs12 Inst : GCMS_CS
Misc : op68253a,ecs470,250,,,1,1
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Oct 20 19:23:55 2025
Quant Method : X:\Dayton SVOA GCMS\lorenat\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 18:05:43 2025
Response via : Initial Calibration

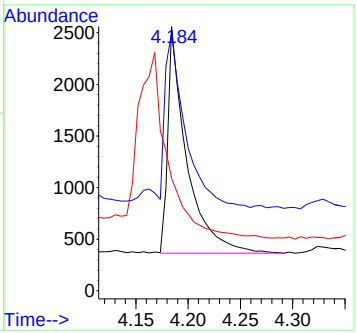


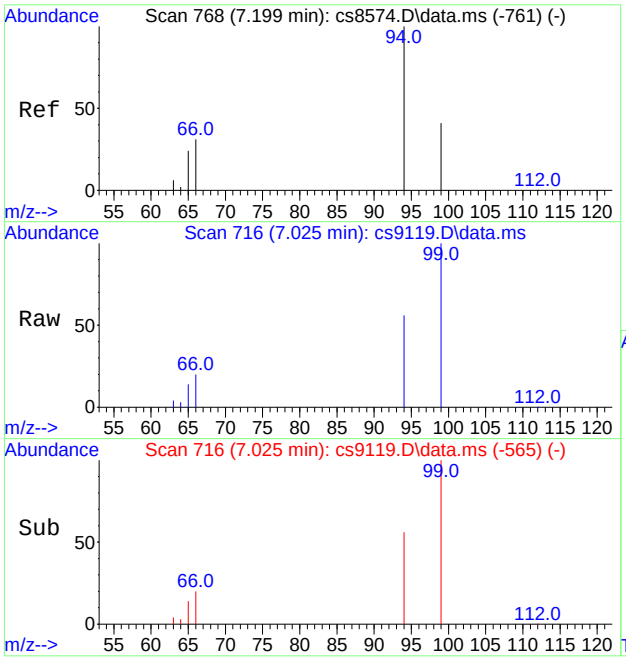


#2
1,4-Dioxane
Concen: 102.5287 ppb
RT: 4.184 min Scan# 19
Delta R.T. 0.016 min
Lab File: cs9119.D
Acq: 18 Oct 2025 06:19 pm

Tgt Ion: 88 Resp: 2751

Ion	Ratio	Lower	Upper
88	100		
58	75.4	68.5	108.5
57	2.7	121.1	161.1#

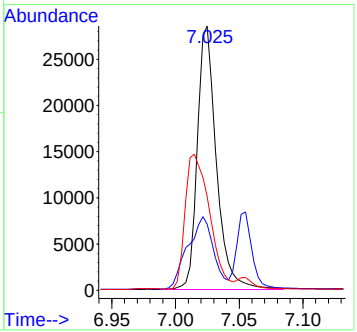


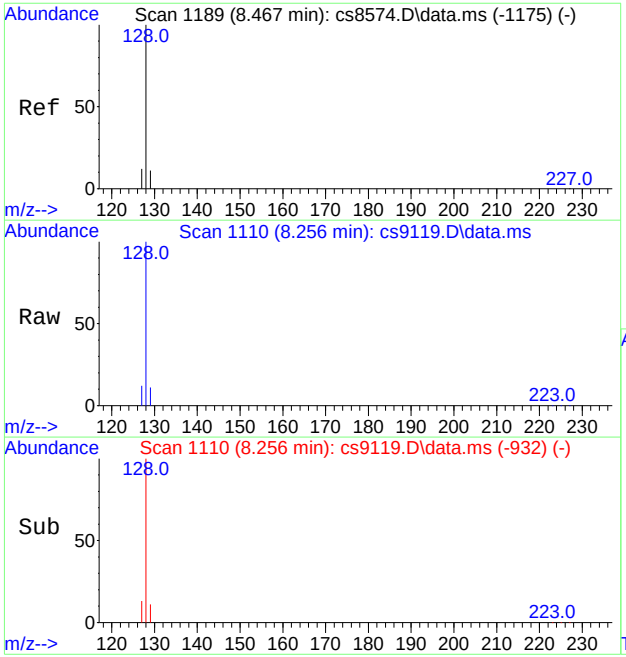


#5
Phenol
Concen: 373.5261 ppb
RT: 7.025 min Scan# 716
Delta R.T. 0.003 min
Lab File: cs9119.D
Acq: 18 Oct 2025 06:19 pm

Tgt Ion: 94 Resp: 29640

Ion	Ratio	Lower	Upper
94	100		
65	24.4	19.5	29.3
66	35.2	24.9	37.3

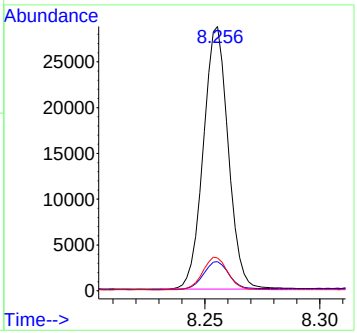


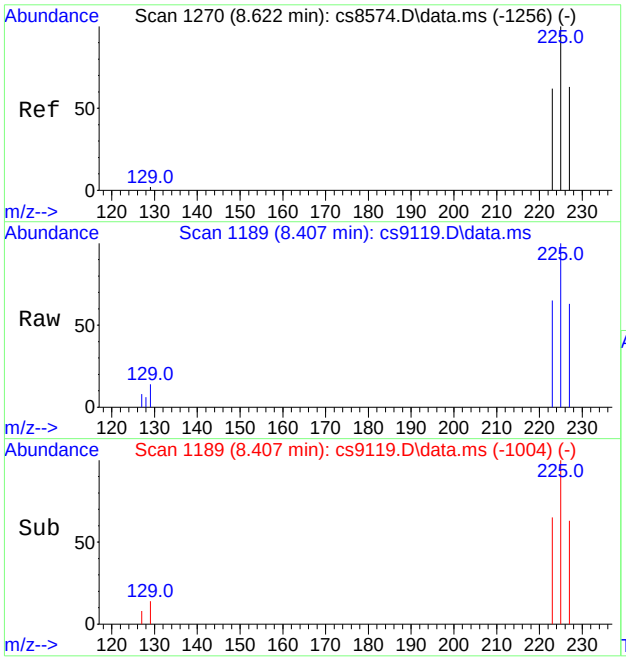


#7
Naphthalene
Concen: 99.3950 ppb
RT: 8.256 min Scan# 1110
Delta R.T. 0.002 min
Lab File: cs9119.D
Acq: 18 Oct 2025 06:19 pm

Tgt Ion:128 Resp: 21639

Ion	Ratio	Lower	Upper
128	100		
129	10.4	0.0	40.8
127	12.1	0.0	42.5

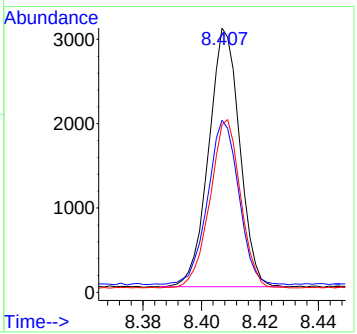


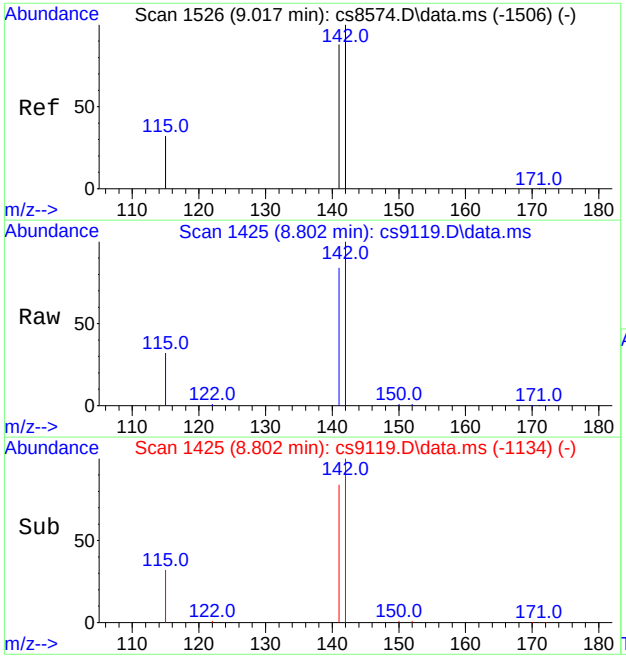


#8
Hexachlorobutadiene
Concen: 70.7023 ppb
RT: 8.407 min Scan# 1189
Delta R.T. -0.002 min
Lab File: cs9119.D
Acq: 18 Oct 2025 06:19 pm

Tgt Ion:225 Resp: 2254

Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.3	91.3
227	63.0	33.5	93.5

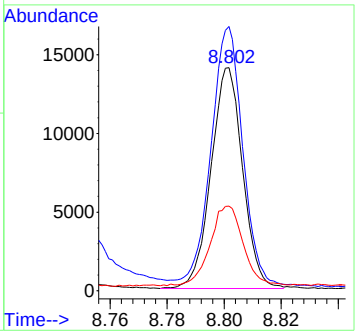


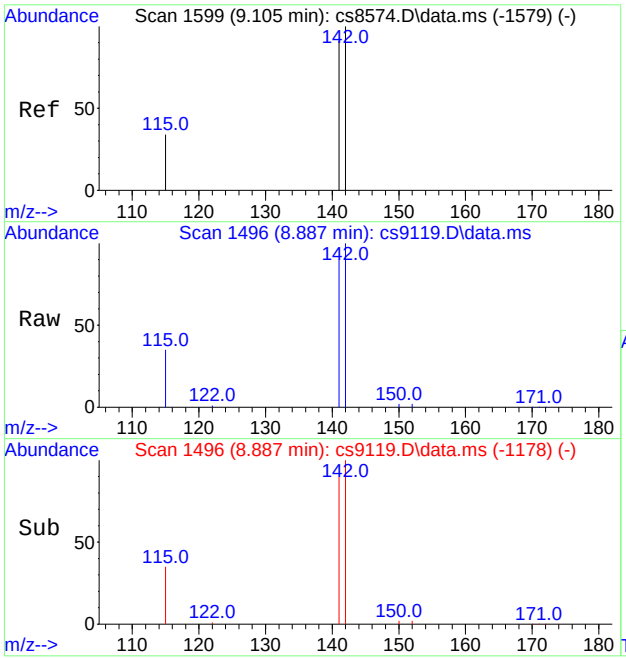


#9
2-Methylnaphthalene
Concen: 89.3519 ppb
RT: 8.802 min Scan# 1425
Delta R.T. 0.000 min
Lab File: cs9119.D
Acq: 18 Oct 2025 06:19 pm

Tgt Ion:141 Resp: 10803

Ion	Ratio	Lower	Upper
141	100		
142	116.0	84.3	144.3
115	35.8	5.8	65.8

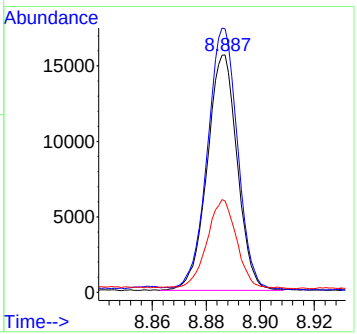


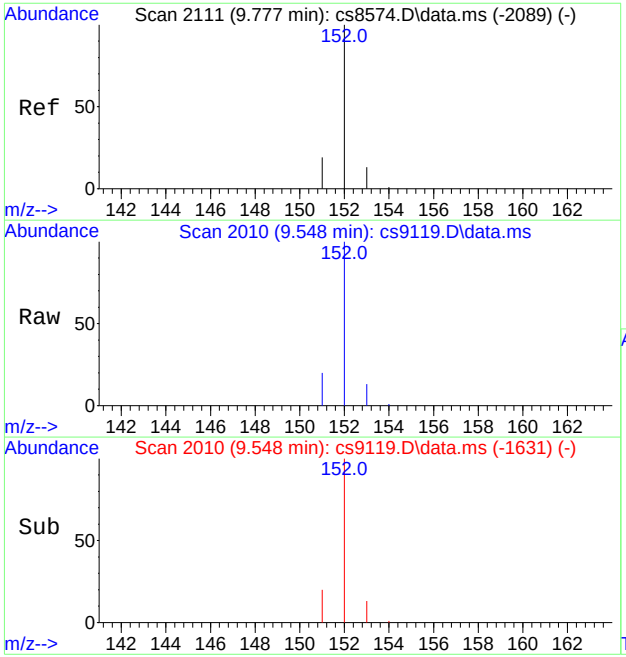


#10
1-Methylnaphthalene
Concen: 104.8647 ppb
RT: 8.887 min Scan# 1496
Delta R.T. 0.001 min
Lab File: cs9119.D
Acq: 18 Oct 2025 06:19 pm

Tgt Ion:141 Resp: 12063

Ion	Ratio	Lower	Upper
141	100		
142	110.5	82.6	142.6
115	36.9	7.6	67.6

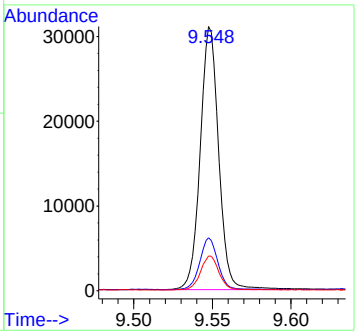


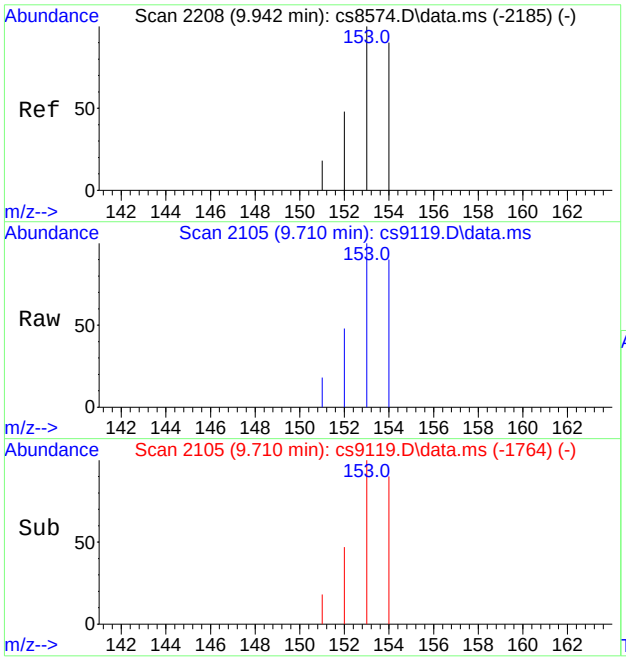


#13
Acenaphthylene
Concen: 134.8477 ppb
RT: 9.548 min Scan# 2010
Delta R.T. -0.002 min
Lab File: cs9119.D
Acq: 18 Oct 2025 06:19 pm

Tgt Ion:152 Resp: 25360

Ion	Ratio	Lower	Upper
152	100		
151	19.6	0.0	48.9
153	12.9	0.0	42.9

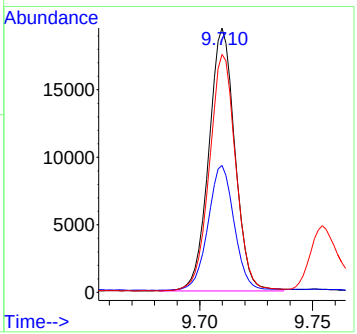


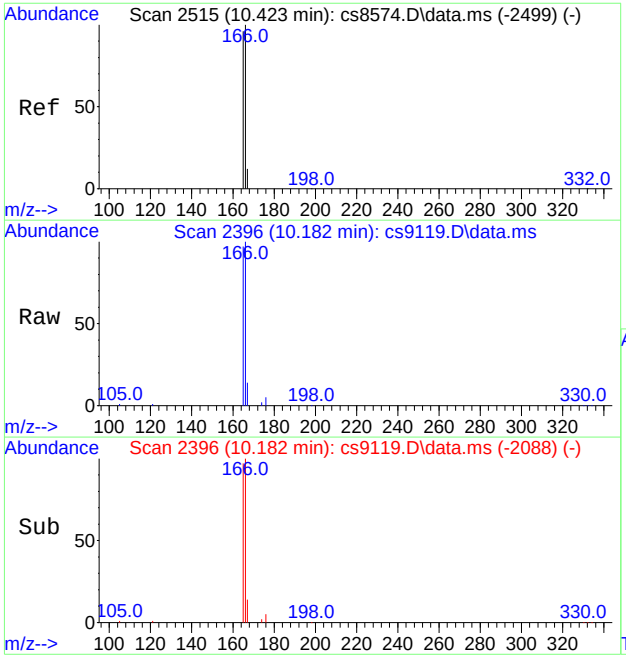


#14
Acenaphthene
Concen: 119.3126 ppb
RT: 9.710 min Scan# 2105
Delta R.T. 0.000 min
Lab File: cs9119.D
Acq: 18 Oct 2025 06:19 pm

Tgt Ion:153 Resp: 15613

Ion	Ratio	Lower	Upper
153	100		
152	47.4	17.2	77.2
154	89.8	60.8	120.8

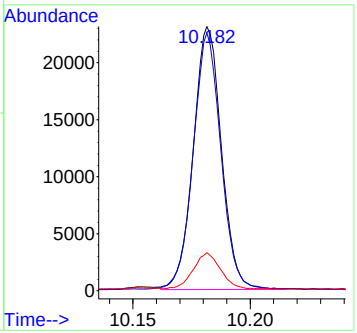


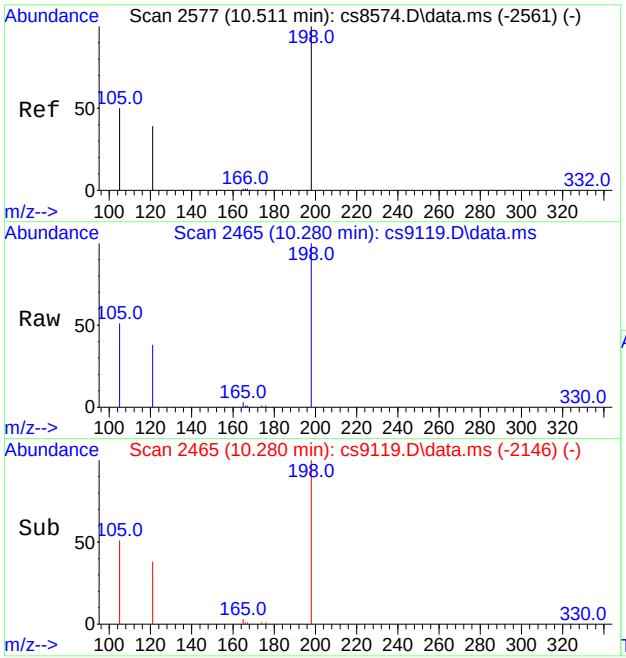


#15
Fluorene
Concen: 128.9284 ppb
RT: 10.182 min Scan# 2396
Delta R.T. 0.000 min
Lab File: cs9119.D
Acq: 18 Oct 2025 06:19 pm

Tgt Ion:166 Resp: 19260

Ion	Ratio	Lower	Upper
166	100		
165	97.4	64.1	124.1
167	13.8	0.0	43.0

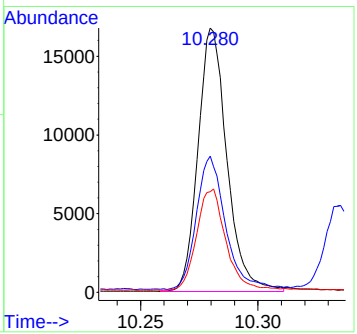


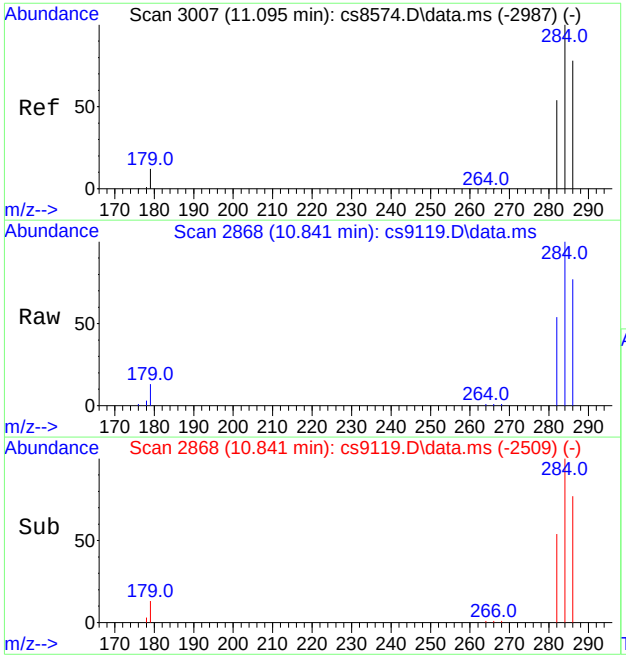


#16
4,6-dinitro-2-methylphenol
Concen: 1028.8508 ppb
RT: 10.280 min Scan# 2465
Delta R.T. 0.000 min
Lab File: cs9119.D
Acq: 18 Oct 2025 06:19 pm

Tgt Ion:198 Resp: 14347

Ion	Ratio	Lower	Upper
198	100		
105	50.5	27.0	67.0
121	37.3	17.3	57.3

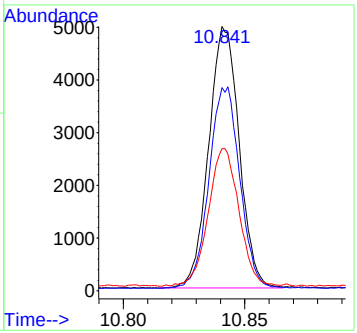


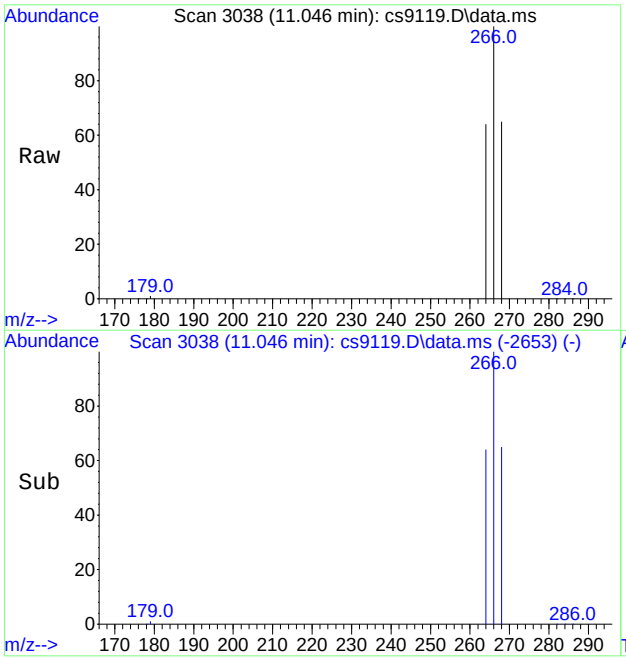


#19
Hexachlorobenzene
Concen: 113.6160 ppb
RT: 10.841 min Scan# 2868
Delta R.T. -0.001 min
Lab File: cs9119.D
Acq: 18 Oct 2025 06:19 pm

Tgt Ion:284 Resp: 4348

Ion	Ratio	Lower	Upper
284	100		
286	76.7	48.5	108.5
282	52.4	21.9	81.9

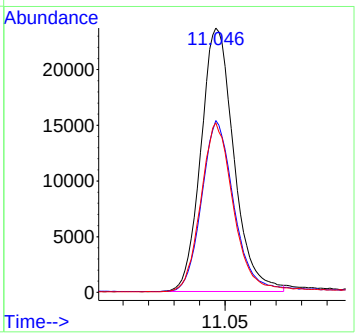


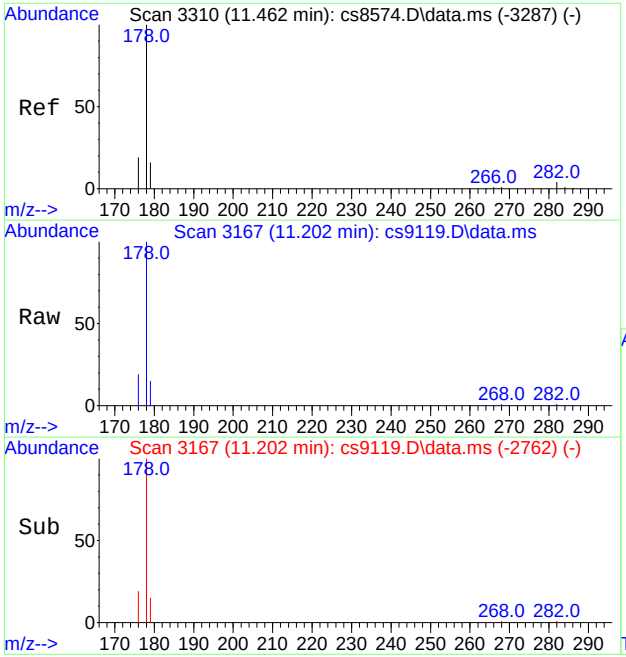


#20
Pentachlorophenol
Concen: 1137.2263 ppb
RT: 11.046 min Scan# 3038
Delta R.T. -0.001 min
Lab File: cs9119.D
Acq: 18 Oct 2025 06:19 pm

Tgt Ion:266 Resp: 21312

Ion	Ratio	Lower	Upper
266	100		
268	63.3	42.8	82.8
264	63.1	42.8	82.8

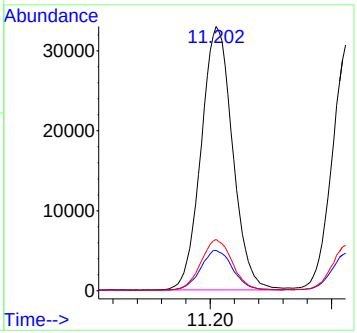


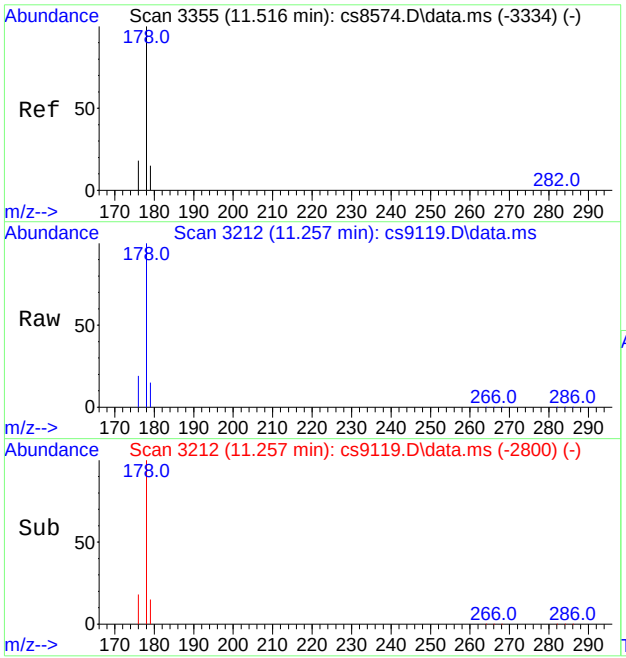


#21
Phenanthrene
Concen: 149.1773 ppb
RT: 11.202 min Scan# 3167
Delta R.T. 0.000 min
Lab File: cs9119.D
Acq: 18 Oct 2025 06:19 pm

Tgt Ion:178 Resp: 29684

Ion	Ratio	Lower	Upper
178	100		
179	14.9	0.0	44.9
176	19.3	0.0	49.3

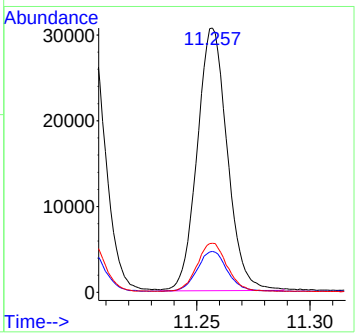


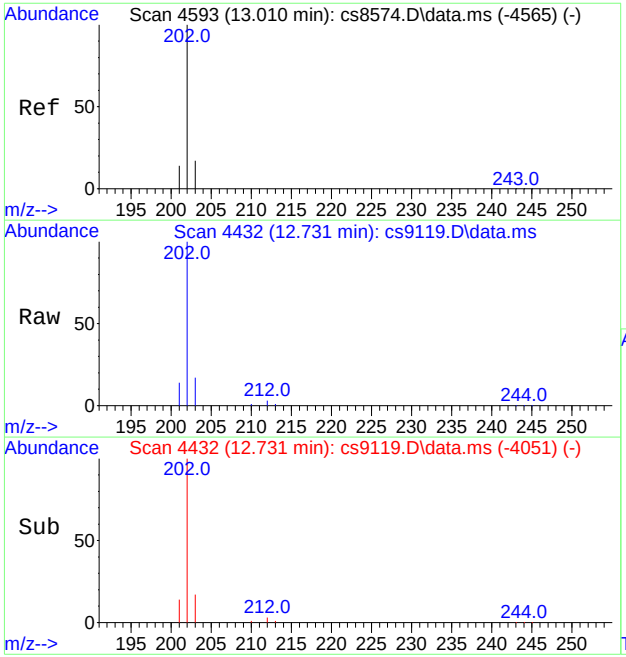


#22
Anthracene
Concen: 154.0147 ppb
RT: 11.257 min Scan# 3212
Delta R.T. 0.000 min
Lab File: cs9119.D
Acq: 18 Oct 2025 06:19 pm

Tgt Ion:178 Resp: 28259

Ion	Ratio	Lower	Upper
178	100		
179	15.2	0.0	44.9
176	18.4	0.0	48.0

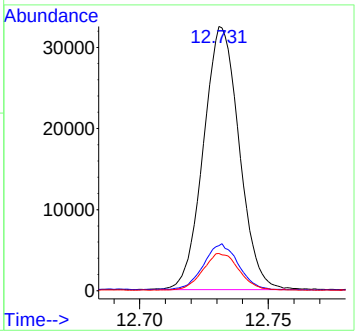


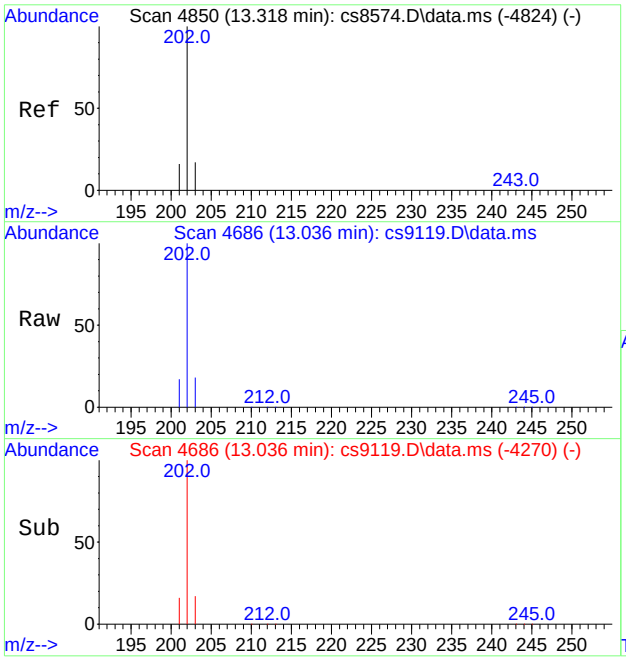


#23
Fluoranthene
Concen: 150.0176 ppb
RT: 12.731 min Scan# 4432
Delta R.T. -0.001 min
Lab File: cs9119.D
Acq: 18 Oct 2025 06:19 pm

Tgt Ion:202 Resp: 31335

Ion	Ratio	Lower	Upper
202	100		
203	16.7	0.0	46.9
201	13.9	0.0	44.3

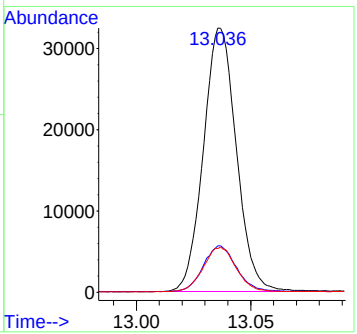


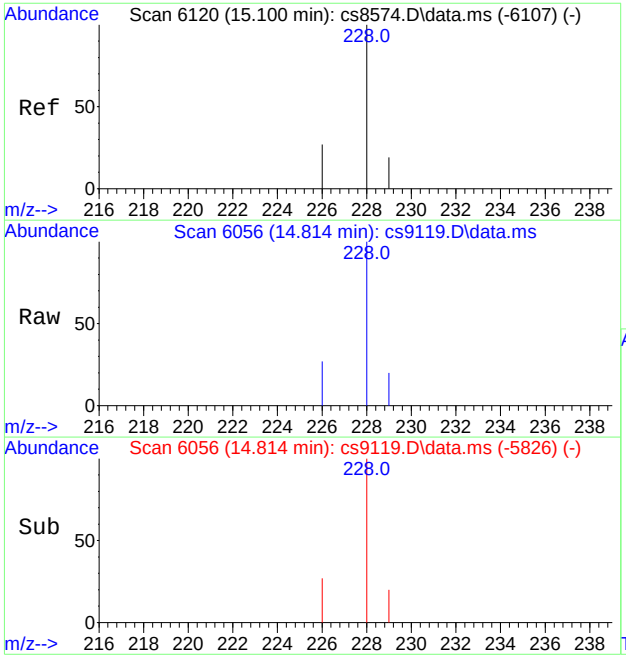


#24
Pyrene
Concen: 152.9174 ppb
RT: 13.036 min Scan# 4686
Delta R.T. -0.001 min
Lab File: cs9119.D
Acq: 18 Oct 2025 06:19 pm

Tgt Ion:202 Resp: 32451

Ion	Ratio	Lower	Upper
202	100		
203	17.3	0.0	47.4
201	16.3	0.0	46.9

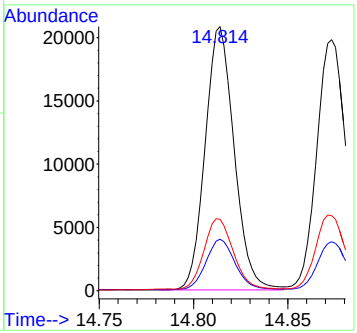


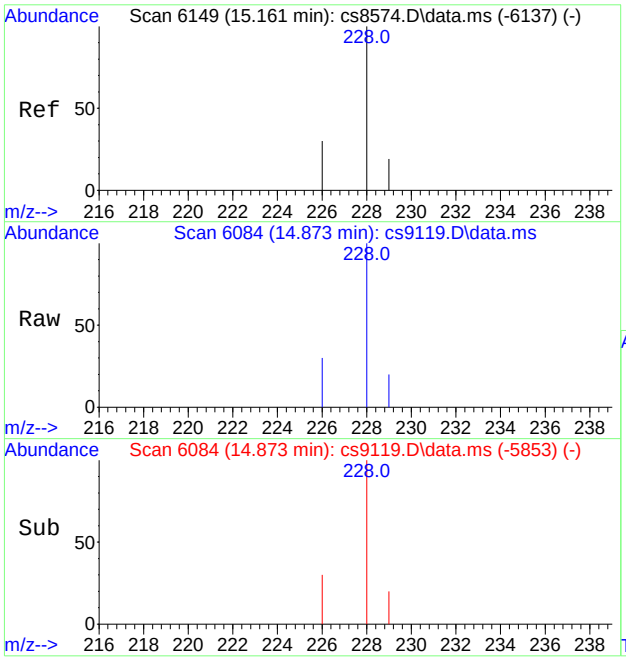


#26
Benzo[a]anthracene
Concen: 145.3692 ppb
RT: 14.814 min Scan# 6056
Delta R.T. 0.000 min
Lab File: cs9119.D
Acq: 18 Oct 2025 06:19 pm

Tgt Ion:228 Resp: 22275

Ion	Ratio	Lower	Upper
228	100		
229	19.1	0.0	49.0
226	26.6	0.0	57.0

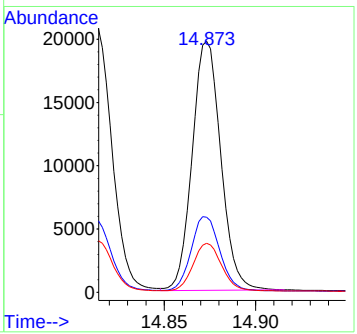


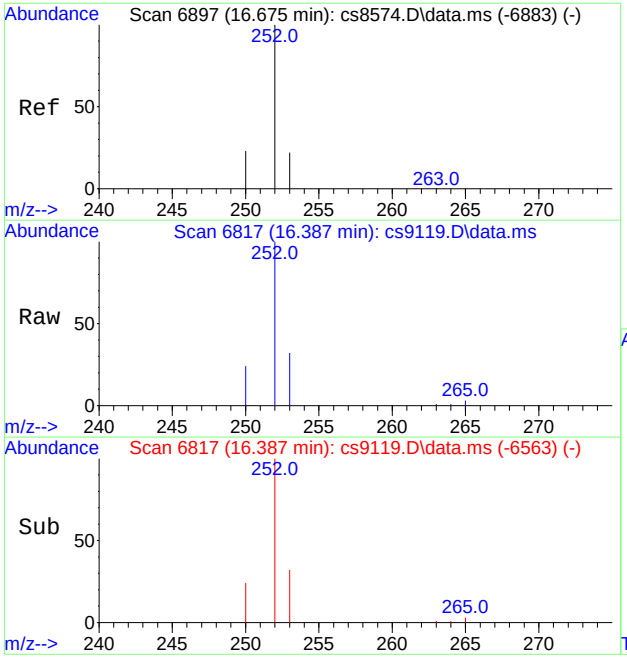


#27
Chrysene
Concen: 140.9741 ppb
RT: 14.873 min Scan# 6084
Delta R.T. -0.000 min
Lab File: cs9119.D
Acq: 18 Oct 2025 06:19 pm

Tgt Ion:228 Resp: 21442

Ion	Ratio	Lower	Upper
228	100		
226	29.6	0.0	59.6
229	19.2	0.0	49.1

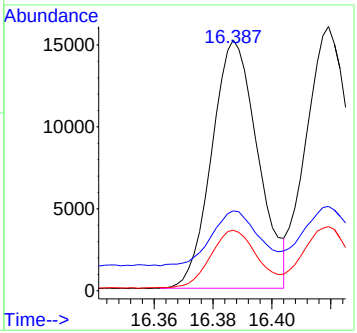


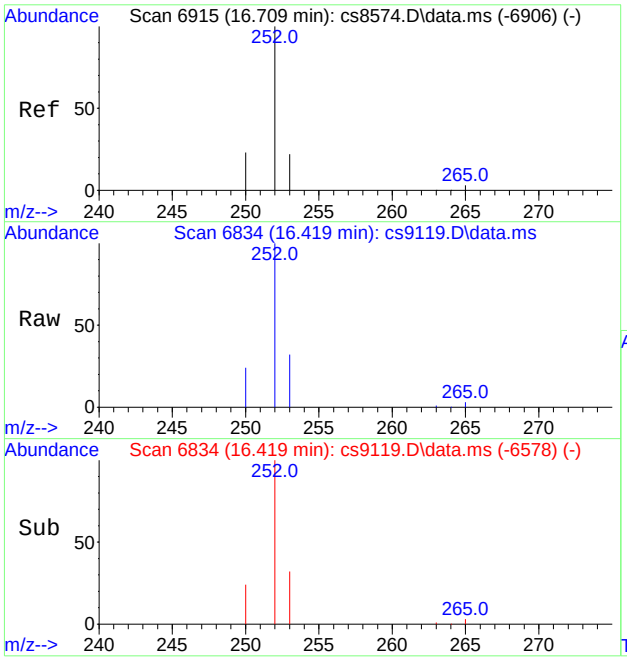


#29
Benzo[b]fluoranthene
Concen: 125.6539 ppb
RT: 16.387 min Scan# 6817
Delta R.T. 0.002 min
Lab File: cs9119.D
Acq: 18 Oct 2025 06:19 pm

Tgt Ion:252 Resp: 16472

Ion	Ratio	Lower	Upper
252	100		
253	21.3	0.0	51.0
250	22.7	0.0	52.9

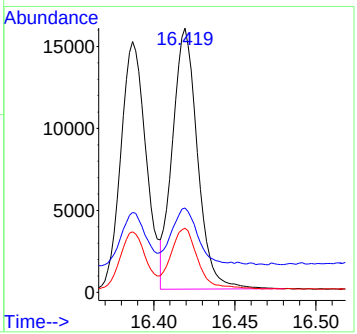


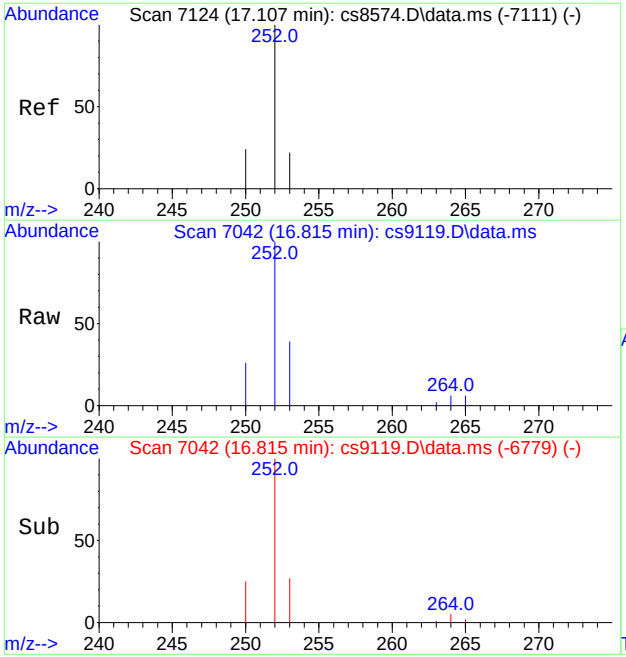


#30
Benzo[k]fluoranthene
Concen: 140.1791 ppb
RT: 16.419 min Scan# 6834
Delta R.T. 0.002 min
Lab File: cs9119.D
Acq: 18 Oct 2025 06:19 pm

Tgt Ion:252 Resp: 17136

Ion	Ratio	Lower	Upper
252	100		
253	21.4	0.0	50.6
250	22.9	0.0	52.8

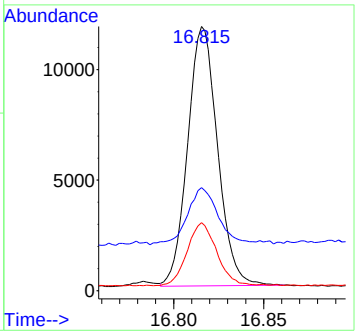


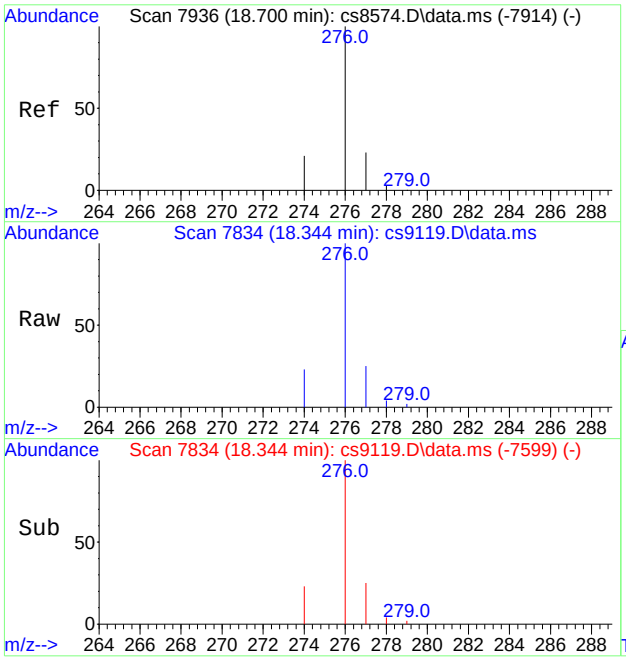


#31
Benzo[a]pyrene
Concen: 111.4640 ppb
RT: 16.815 min Scan# 7042
Delta R.T. 0.002 min
Lab File: cs9119.D
Acq: 18 Oct 2025 06:19 pm

Tgt Ion:252 Resp: 13549

Ion	Ratio	Lower	Upper
252	100		
253	21.2	0.0	51.4
250	24.3	0.0	53.9

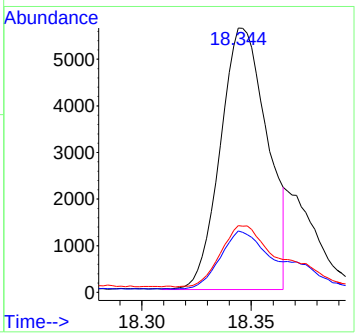


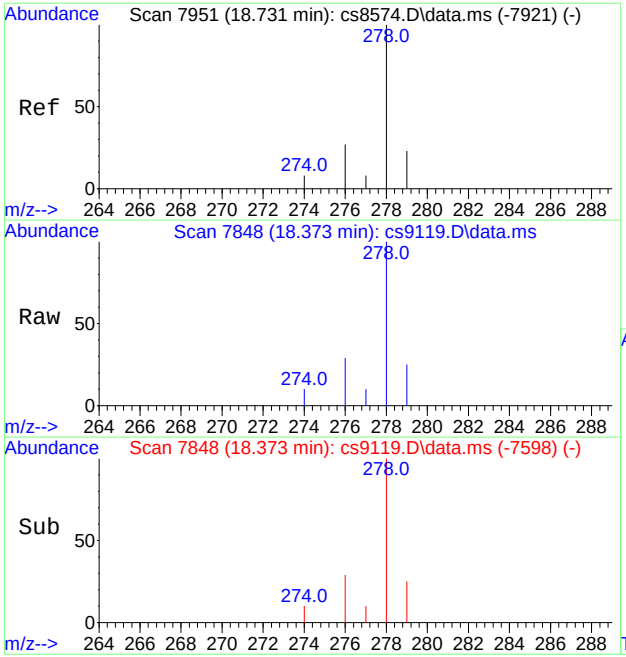


#32
Indeno[1,2,3-cd]pyrene
Concen: 87.2887 ppb m
RT: 18.344 min Scan# 7834
Delta R.T. -0.000 min
Lab File: cs9119.D
Acq: 18 Oct 2025 06:19 pm

Tgt Ion:276 Resp: 8369

Ion	Ratio	Lower	Upper
276	100		
274	23.2	0.0	52.5
277	25.2	0.0	55.7

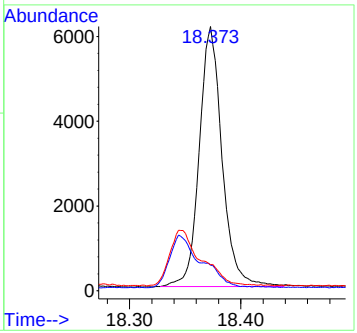


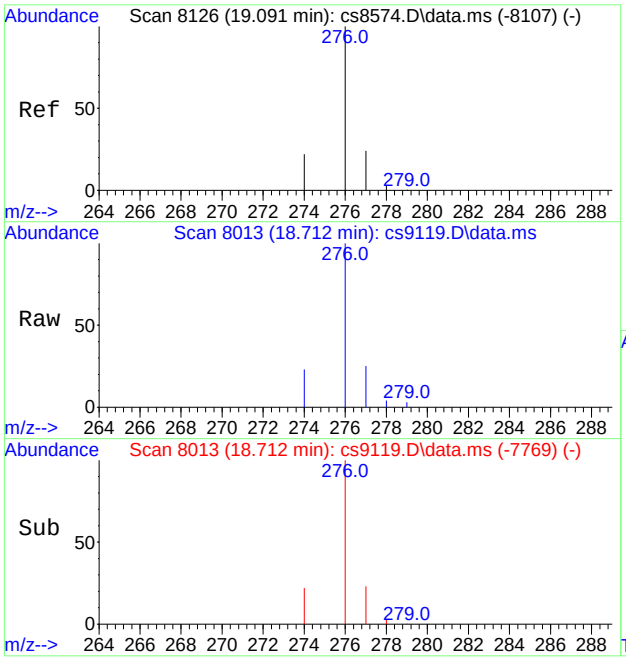


#33
Dibenz[a,h]anthracene
Concen: 97.0259 ppb
RT: 18.373 min Scan# 7848
Delta R.T. 0.004 min
Lab File: cs9119.D
Acq: 18 Oct 2025 06:19 pm

Tgt Ion:278 Resp: 8721

Ion	Ratio	Lower	Upper
278	100		
274	7.2	0.0	39.3
277	6.8	0.0	39.0

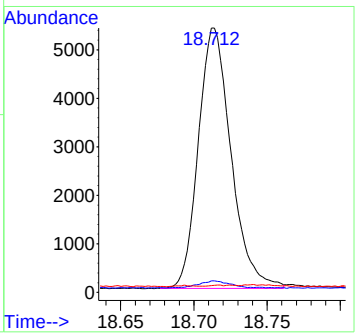




#34
Benzo[g,h,i]perylene
Concen: 87.4120 ppb
RT: 18.712 min Scan# 8013
Delta R.T. 0.002 min
Lab File: cs9119.D
Acq: 18 Oct 2025 06:19 pm

Tgt Ion:276 Resp: 8355

Ion	Ratio	Lower	Upper
276	100		
278	2.6	0.0	32.6
279	0.2	0.0	30.1



Manual Integration Approval Summary

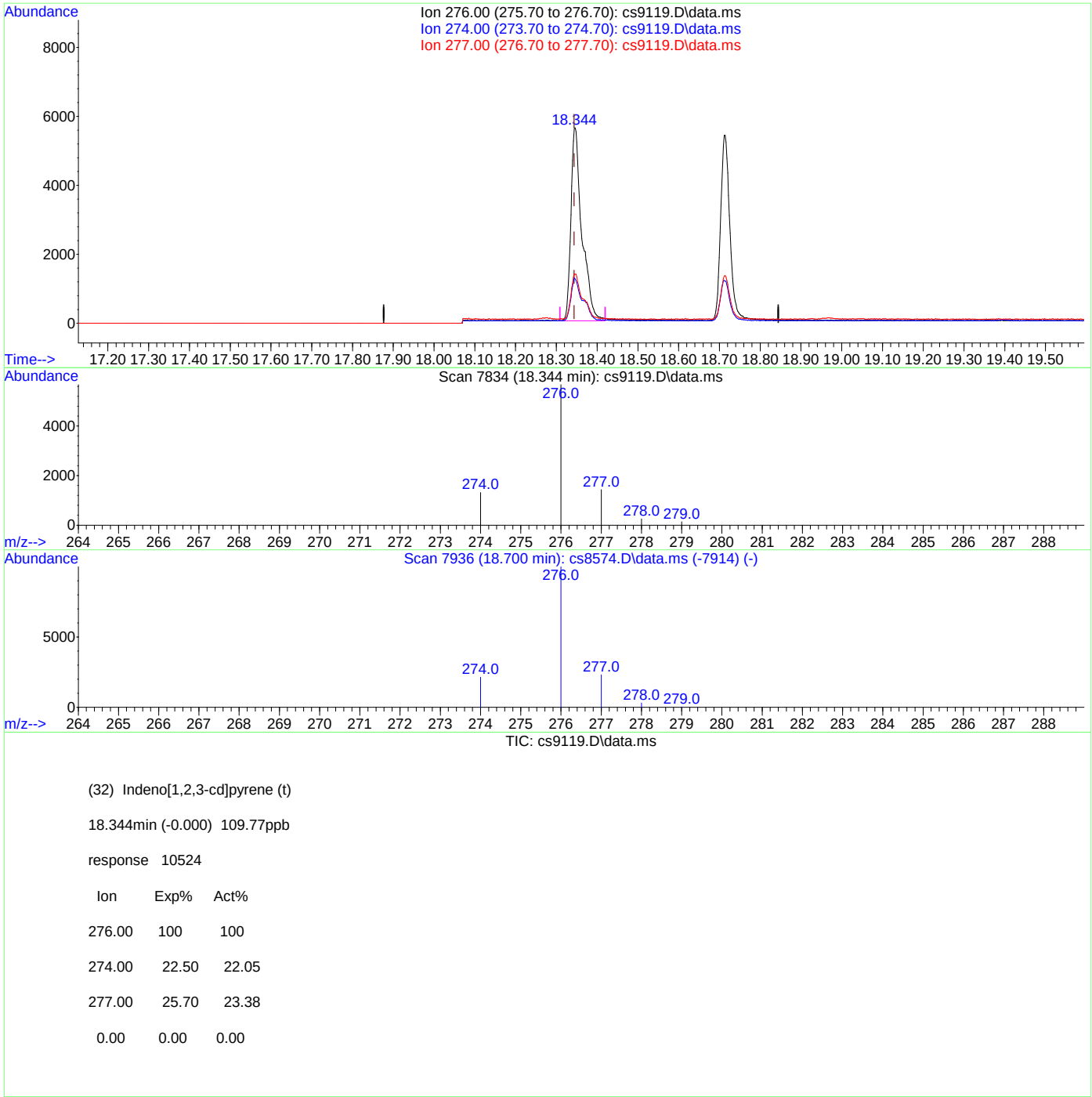
Sample Number: OP68253A-BS12
Lab FileID: CS9119.D
Injection Time: 10/18/25 18:19
Method: SW846 8270E BY SIM
Analyst approved: 10/20/25 16:30 Lorena Tafur
Supervisor approved: 10/21/25 11:23 Ying Li

Parameter	CAS	Sig#	R.T. (min.)	Reason
Indeno(1,2,3-cd)pyrene	193-39-5		18.34	Poor instrument integration

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\lorenat\Octubre\2025-10-20\ecs470\
Data File : cs9119.D
Acq On : 18 Oct 2025 06:19 pm
Operator : rocquans
Sample : op68253a-bs12 Inst : GCMS_CS
Misc : op68253a,ecs470,250,,,1,1
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Oct 20 18:07:30 2025
Quant Method : X:\Dayton SVOA GCMS\lorenat\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 18:05:43 2025
Response via : Initial Calibration



TIC: cs9119.D\data.ms

(32) Indeno[1,2,3-cd]pyrene (t)

18.344min (-0.000) 109.77ppb

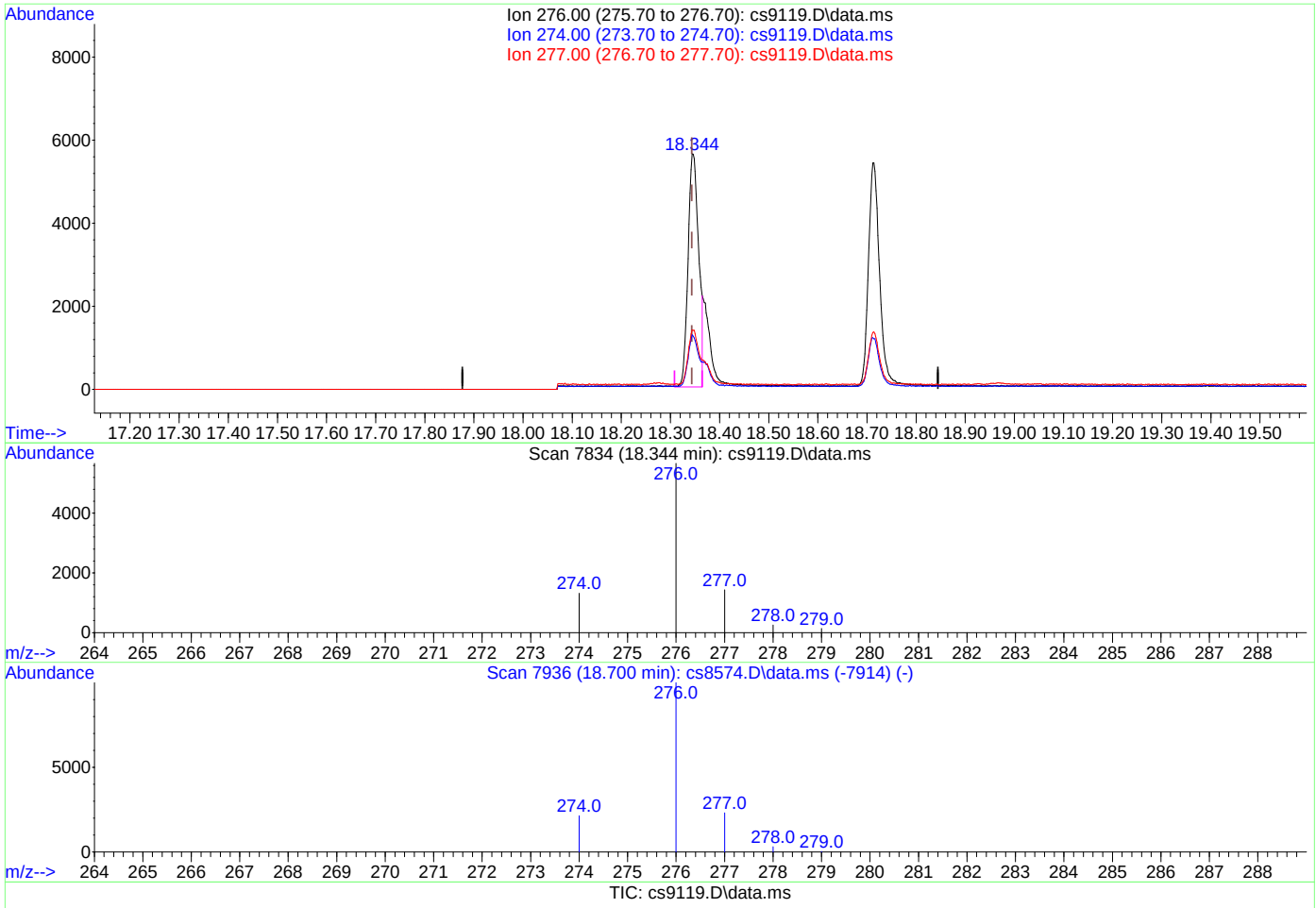
response 10524

Ion	Exp%	Act%
276.00	100	100
274.00	22.50	22.05
277.00	25.70	23.38
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\lorenat\Octubre\2025-10-20\ecs470\
Data File : cs9119.D
Acq On : 18 Oct 2025 06:19 pm
Operator : rocquans
Sample : op68253a-bs12 Inst : GCMS_CS
Misc : op68253a,ecs470,250,,,1,1
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Oct 20 18:07:30 2025
Quant Method : X:\Dayton SVOA GCMS\lorenat\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 18:05:43 2025
Response via : Initial Calibration



TIC: cs9119.D\data.ms

(32) Indeno[1,2,3-cd]pyrene (t)

18.344min (-0.000) 87.29ppb m

response 8369

Ion	Exp%	Act%
276.00	100	100
274.00	22.50	23.18
277.00	25.70	25.21
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Ying Li
10/21/25 11:23

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\lorenat\Octubre\2025-10-20\ecs470\
Data File : cs9120.D
Acq On : 18 Oct 2025 06:46 pm
Operator : rocquans
Sample : op68253a-bsd12 Inst : GCMS_CS
Misc : op68253a,ecs470,250,,,1,1
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Oct 20 19:25:14 2025
Quant Method : X:\Dayton SVOA GCMS\lorenat\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 18:05:43 2025
Response via : Initial Calibration

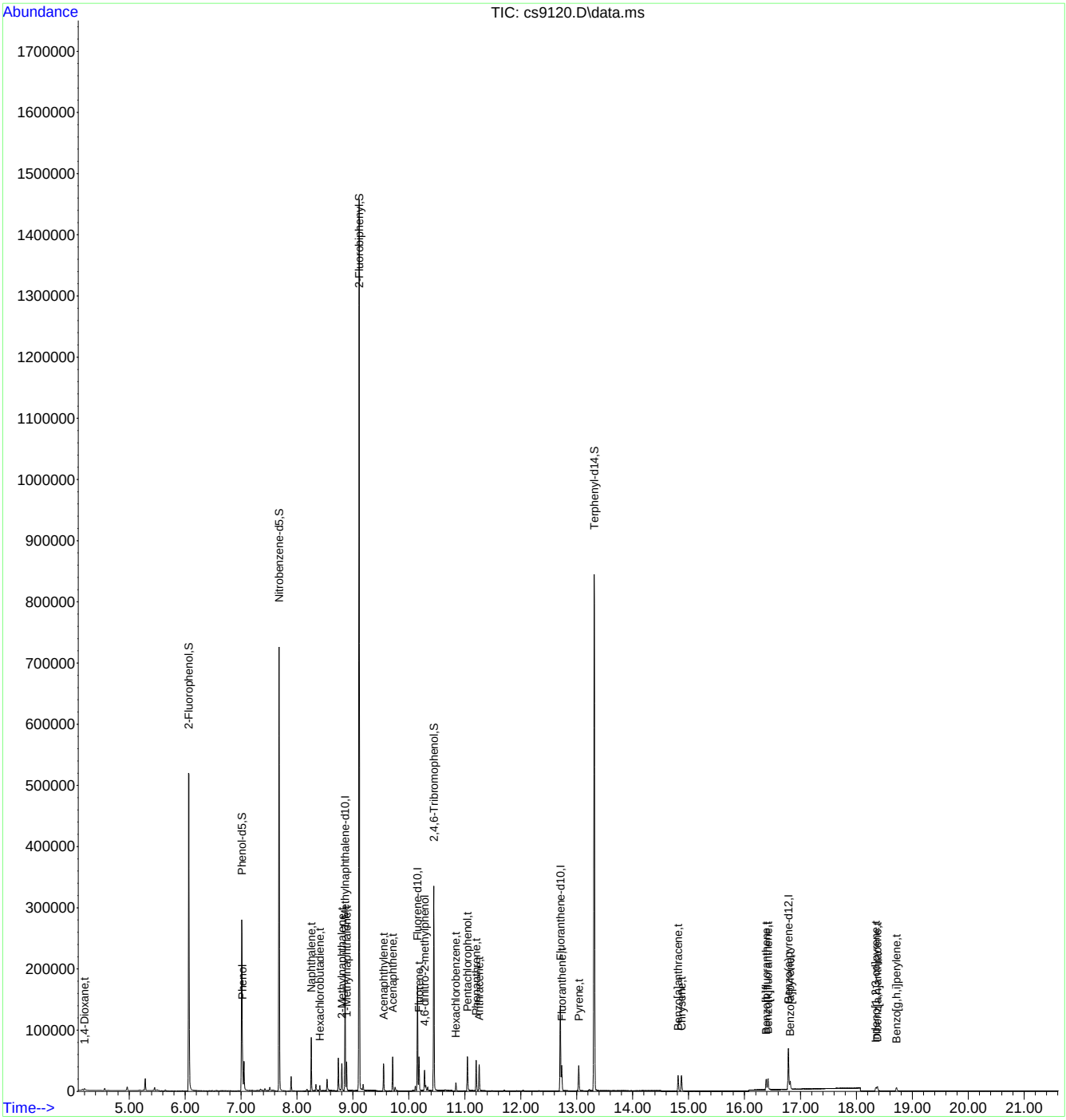
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	8.858	150	55759	800.00	ppb	0.00
11) Fluorene-d10	10.153	176	71162	800.00	ppb	0.00
18) Fluoranthene-d10	12.707	212	103190	800.00	ppb	0.00
28) Benzo(a)pyrene-d12	16.785	264	55640	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	6.066	112	249379	4667.69	ppb	0.00
Spiked Amount 10000.000			Recovery =	46.68%		
4) Phenol-d5	7.011	99	207268	3285.52	ppb	0.00
Spiked Amount 10000.000			Recovery =	32.86%		
6) Nitrobenzene-d5	7.680	82	354615	6812.21	ppb	0.00
Spiked Amount 10000.000			Recovery =	68.12%		
12) 2-Fluorobiphenyl	9.111	172	674229	5845.20	ppb	0.00
Spiked Amount 10000.000			Recovery =	58.45%		
17) 2,4,6-Tribromophenol	10.445	330	113179	9563.76	ppb	0.00
Spiked Amount 10000.000			Recovery =	95.64%		
25) Terphenyl-d14	13.314	244	599713	8101.76	ppb	0.00
Spiked Amount 10000.000			Recovery =	81.02%		
Target Compounds						Qvalue
2) 1,4-Dioxane	4.200	88	2547m	103.2557	ppb	
5) Phenol	7.025	94	25036	343.1925	ppb	96
7) Naphthalene	8.254	128	53395	266.7830	ppb	100
8) Hexachlorobutadiene	8.409	225	2778	94.7855	ppb	98
9) 2-Methylnaphthalene	8.802	141	13215	118.8931	ppb	99
10) 1-Methylnaphthalene	8.886	141	14076	133.1017	ppb	99
13) Acenaphthylene	9.548	152	26886	154.5778	ppb	100
14) Acenaphthene	9.710	153	17755	146.7058	ppb	100
15) Fluorene	10.182	166	21529	155.8270	ppb	99
16) 4,6-dinitro-2-methylph...	10.280	198	14805	1128.2231	ppb	97
19) Hexachlorobenzene	10.839	284	4703	133.6120	ppb	98
20) Pentachlorophenol	11.046	266	22539	1271.7803	ppb	99
21) Phenanthrene	11.203	178	33290	181.8924	ppb	100
22) Anthracene	11.256	178	28488	168.8060	ppb	100
23) Fluoranthene	12.731	202	30562	159.0797	ppb	99
24) Pyrene	13.036	202	30795	157.7718	ppb	99
26) Benzo[a]anthracene	14.812	228	19227	136.4227	ppb	100
27) Chrysene	14.873	228	18617	133.0774	ppb	99
29) Benzo[b]fluoranthene	16.387	252	12963	106.6100	ppb	100
30) Benzo[k]fluoranthene	16.419	252	14103	124.3793	ppb	99
31) Benzo[a]pyrene	16.816	252	10150	90.0236	ppb	99
32) Indeno[1,2,3-cd]pyrene	18.346	276	5663m	63.6786	ppb	
33) Dibenz[a,h]anthracene	18.373	278	6298	75.5417	ppb	99
34) Benzo[g,h,i]perylene	18.716	276	5667	63.9206	ppb	99

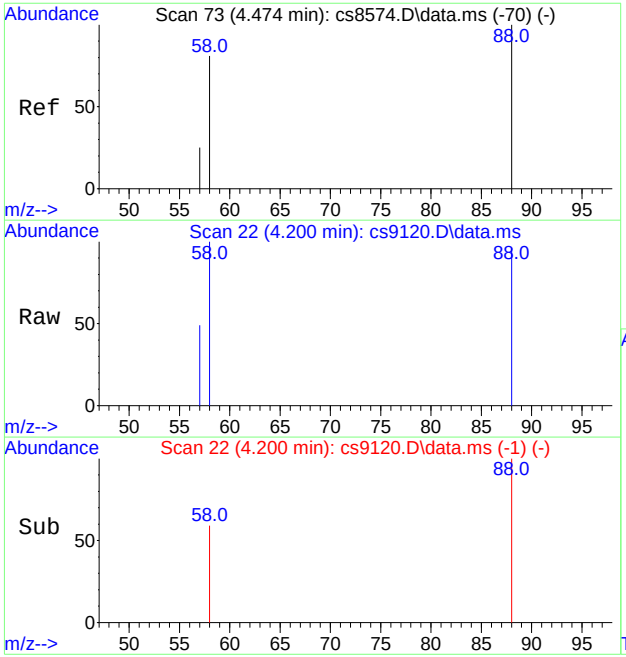
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\lorenat\Octubre\2025-10-20\ecs470\
Data File : cs9120.D
Acq On : 18 Oct 2025 06:46 pm
Operator : rocquans
Sample : op68253a-bsd12 Inst : GCMS_CS
Misc : op68253a,ecs470,250,,,1,1
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Oct 20 19:25:14 2025
Quant Method : X:\Dayton SVOA GCMS\lorenat\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 18:05:43 2025
Response via : Initial Calibration

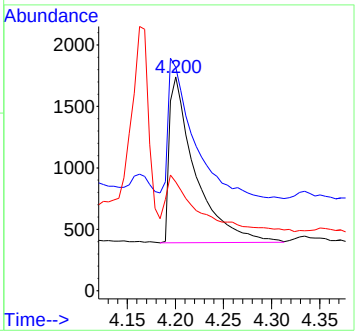


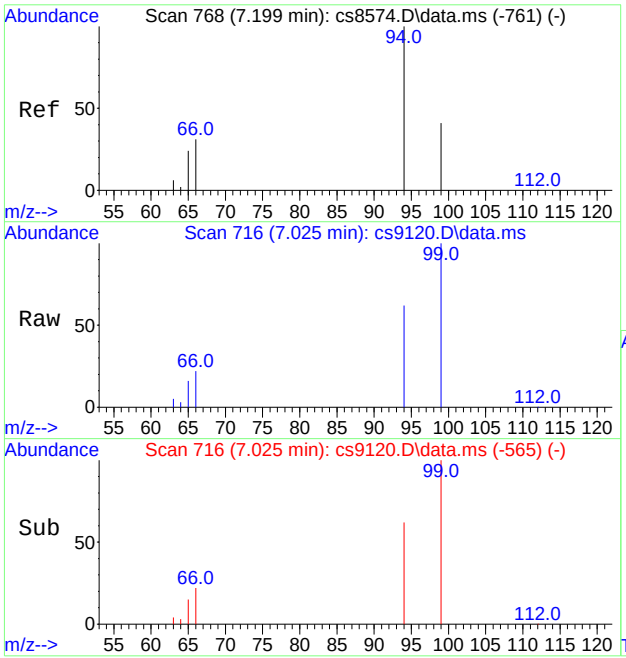


#2
1,4-Dioxane
Concen: 103.2557 ppb m
RT: 4.200 min Scan# 22
Delta R.T. 0.032 min
Lab File: cs9120.D
Acq: 18 Oct 2025 06:46 pm

Tgt Ion: 88 Resp: 2547

Ion	Ratio	Lower	Upper
88	100		
58	104.4	68.5	108.5
57	50.9	121.1	161.1#

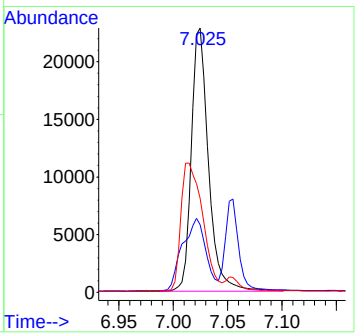


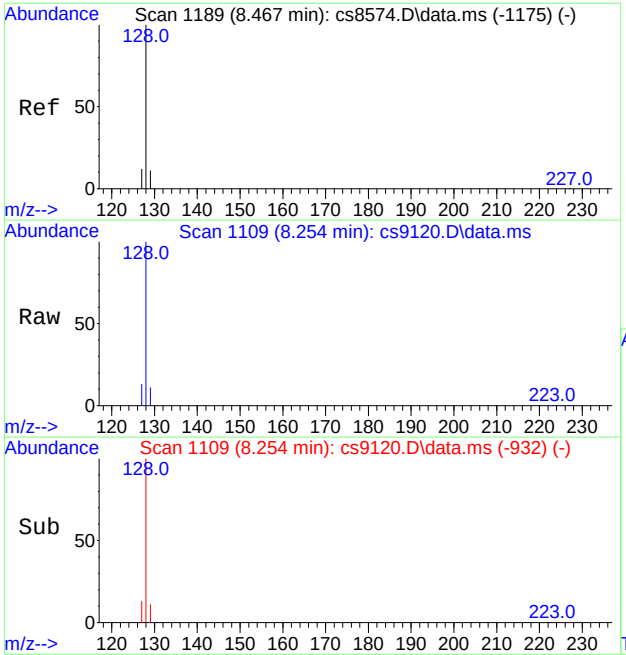


#5
Phenol
Concen: 343.1925 ppb
RT: 7.025 min Scan# 716
Delta R.T. 0.003 min
Lab File: cs9120.D
Acq: 18 Oct 2025 06:46 pm

Tgt Ion: 94 Resp: 25036

Ion	Ratio	Lower	Upper
94	100		
65	24.9	19.5	29.3
66	35.1	24.9	37.3

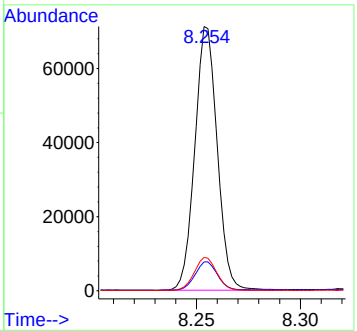


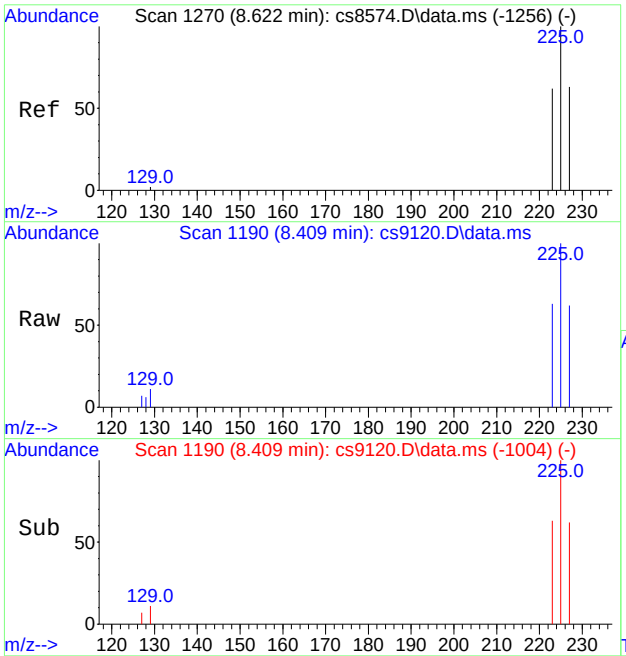


#7
Naphthalene
Concen: 266.7830 ppb
RT: 8.254 min Scan# 1109
Delta R.T. 0.000 min
Lab File: cs9120.D
Acq: 18 Oct 2025 06:46 pm

Tgt Ion:128 Resp: 53395

Ion	Ratio	Lower	Upper
128	100		
129	10.6	0.0	40.8
127	12.6	0.0	42.5

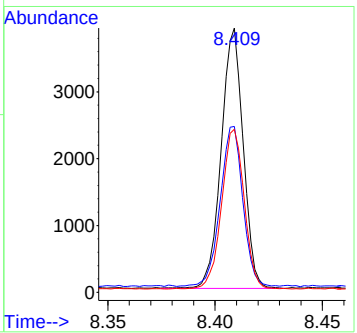


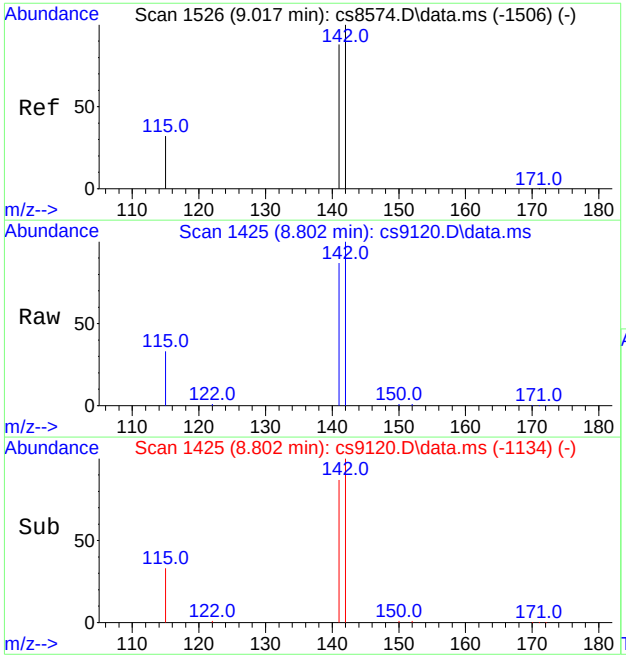


#8
Hexachlorobutadiene
Concen: 94.7855 ppb
RT: 8.409 min Scan# 1190
Delta R.T. 0.000 min
Lab File: cs9120.D
Acq: 18 Oct 2025 06:46 pm

Tgt Ion:225 Resp: 2778

Ion	Ratio	Lower	Upper
225	100		
223	61.2	31.3	91.3
227	61.2	33.5	93.5

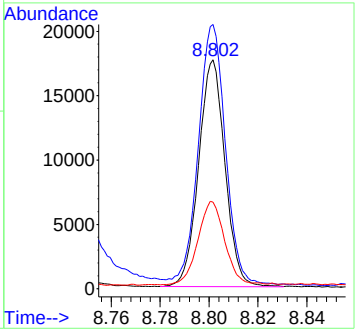


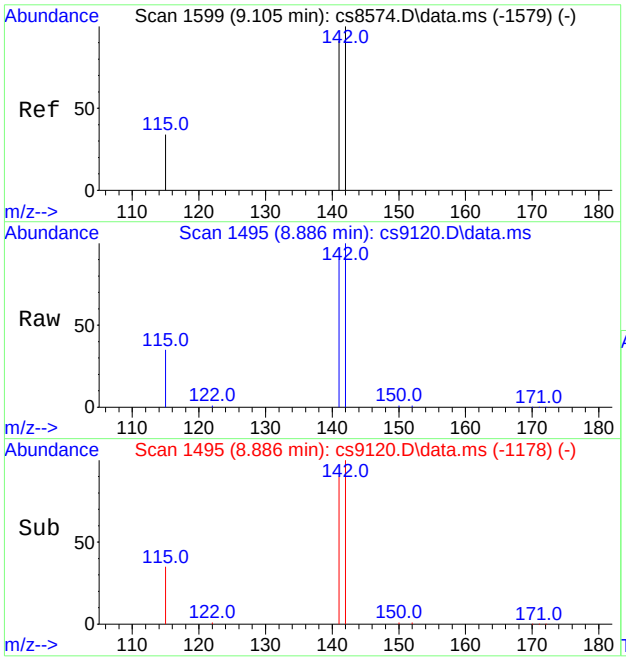


#9
2-Methylnaphthalene
Concen: 118.8931 ppb
RT: 8.802 min Scan# 1425
Delta R.T. 0.000 min
Lab File: cs9120.D
Acq: 18 Oct 2025 06:46 pm

Tgt Ion:141 Resp: 13215

Ion	Ratio	Lower	Upper
141	100		
142	113.6	84.3	144.3
115	36.3	5.8	65.8

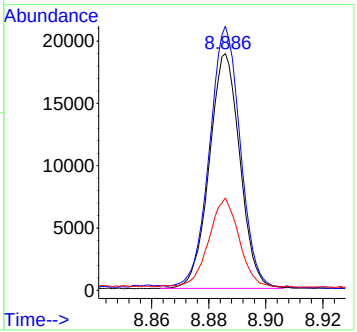


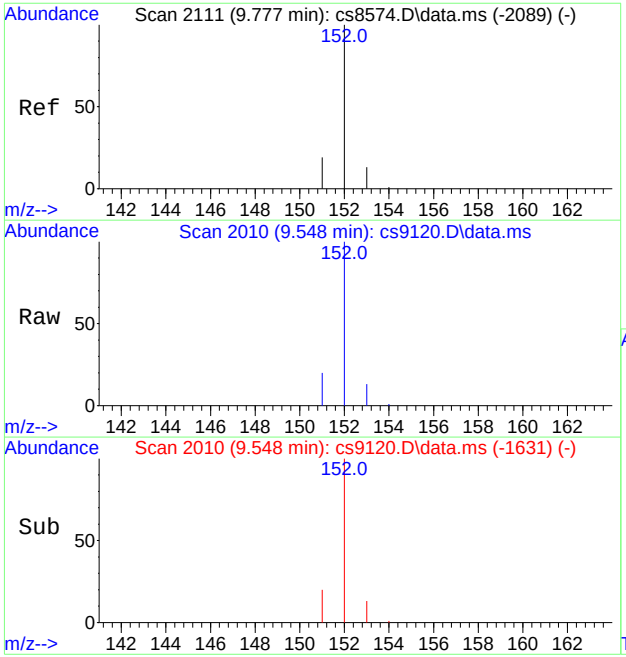


#10
1-Methylnaphthalene
Concen: 133.1017 ppb
RT: 8.886 min Scan# 1495
Delta R.T. 0.000 min
Lab File: cs9120.D
Acq: 18 Oct 2025 06:46 pm

Tgt Ion:141 Resp: 14076

Ion	Ratio	Lower	Upper
141	100		
142	111.0	82.6	142.6
115	37.8	7.6	67.6

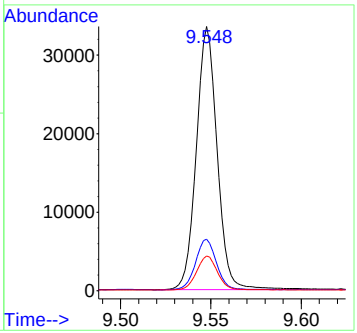


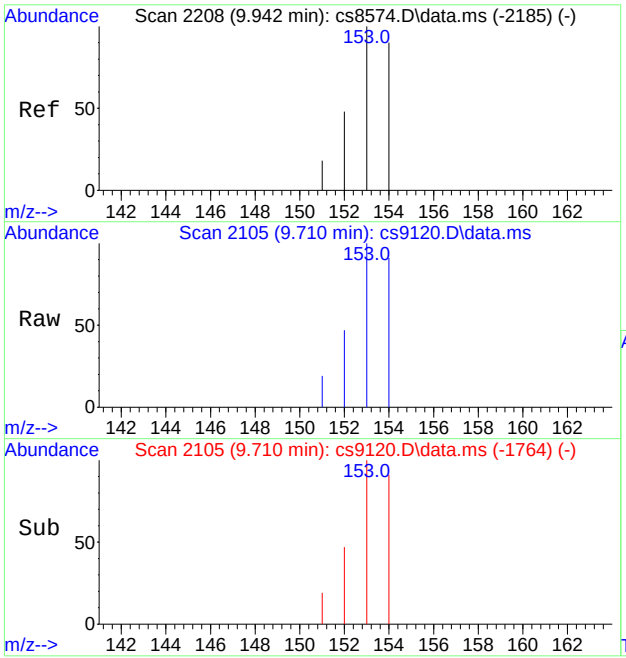


#13
Acenaphthylene
Concen: 154.5778 ppb
RT: 9.548 min Scan# 2010
Delta R.T. -0.002 min
Lab File: cs9120.D
Acq: 18 Oct 2025 06:46 pm

Tgt Ion:152 Resp: 26886

Ion	Ratio	Lower	Upper
152	100		
151	19.2	0.0	48.9
153	12.9	0.0	42.9

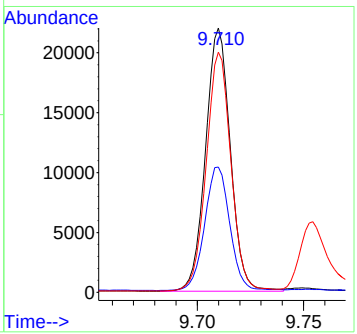


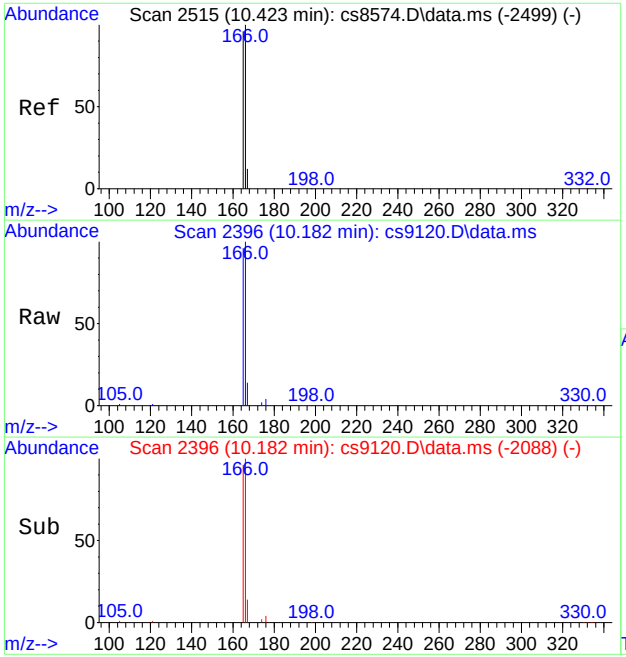


#14
Acenaphthene
Concen: 146.7058 ppb
RT: 9.710 min Scan# 2105
Delta R.T. 0.000 min
Lab File: cs9120.D
Acq: 18 Oct 2025 06:46 pm

Tgt Ion:153 Resp: 17755

Ion	Ratio	Lower	Upper
153	100		
152	46.9	17.2	77.2
154	90.6	60.8	120.8

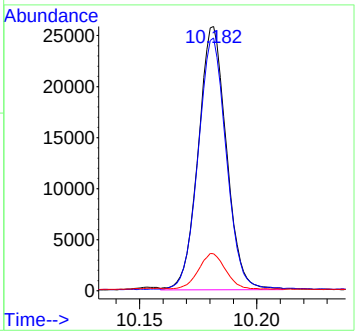


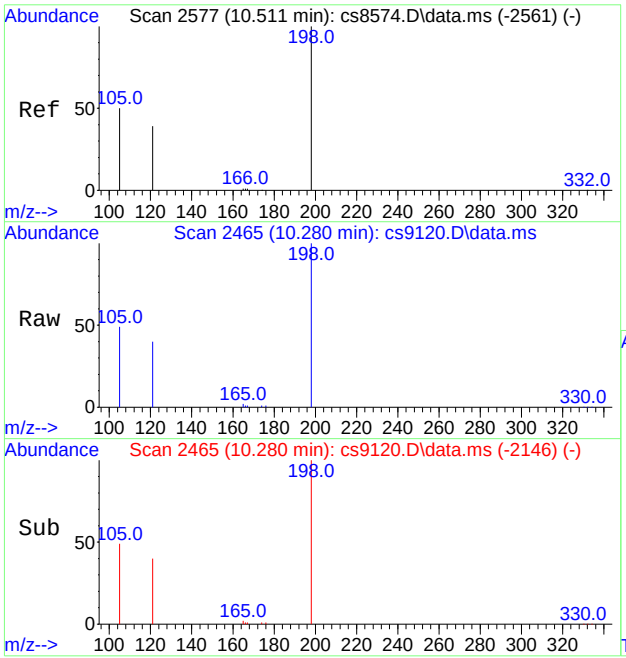


#15
Fluorene
Concen: 155.8270 ppb
RT: 10.182 min Scan# 2396
Delta R.T. 0.000 min
Lab File: cs9120.D
Acq: 18 Oct 2025 06:46 pm

Tgt Ion:166 Resp: 21529

Ion	Ratio	Lower	Upper
166	100		
165	95.6	64.1	124.1
167	13.3	0.0	43.0

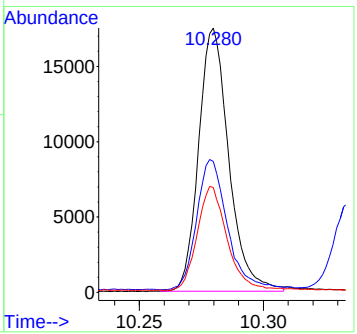


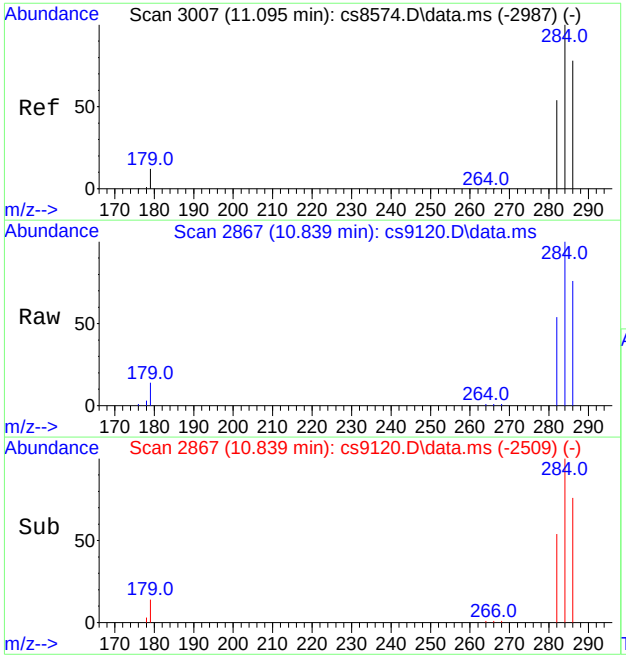


#16
4,6-dinitro-2-methylphenol
Concen: 1128.2231 ppb
RT: 10.280 min Scan# 2465
Delta R.T. 0.000 min
Lab File: cs9120.D
Acq: 18 Oct 2025 06:46 pm

Tgt Ion:198 Resp: 14805

Ion	Ratio	Lower	Upper
198	100		
105	48.6	27.0	67.0
121	39.0	17.3	57.3

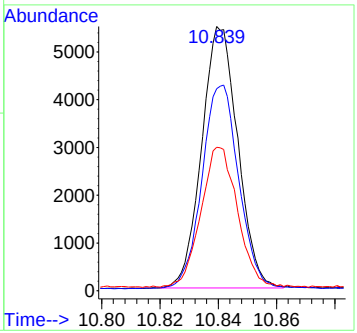


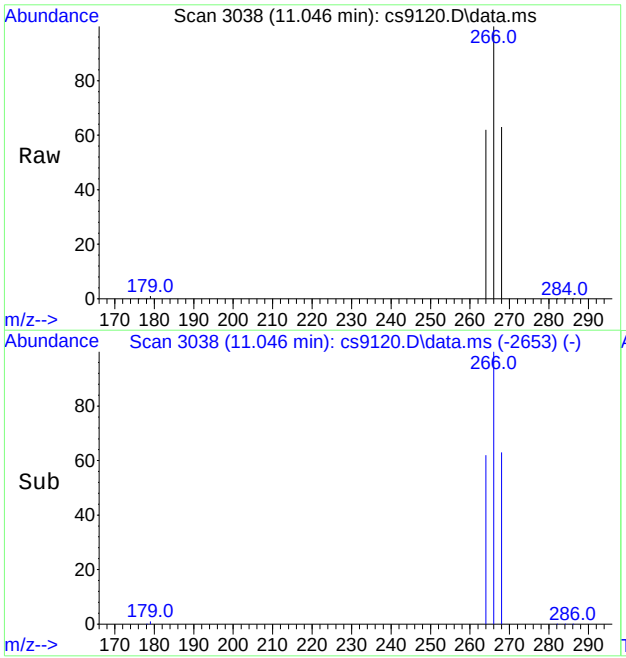


#19
Hexachlorobenzene
Concen: 133.6120 ppb
RT: 10.839 min Scan# 2867
Delta R.T. -0.002 min
Lab File: cs9120.D
Acq: 18 Oct 2025 06:46 pm

Tgt Ion:284 Resp: 4703

Ion	Ratio	Lower	Upper
284	100		
286	76.1	48.5	108.5
282	53.4	21.9	81.9

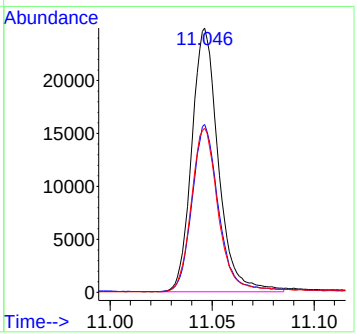


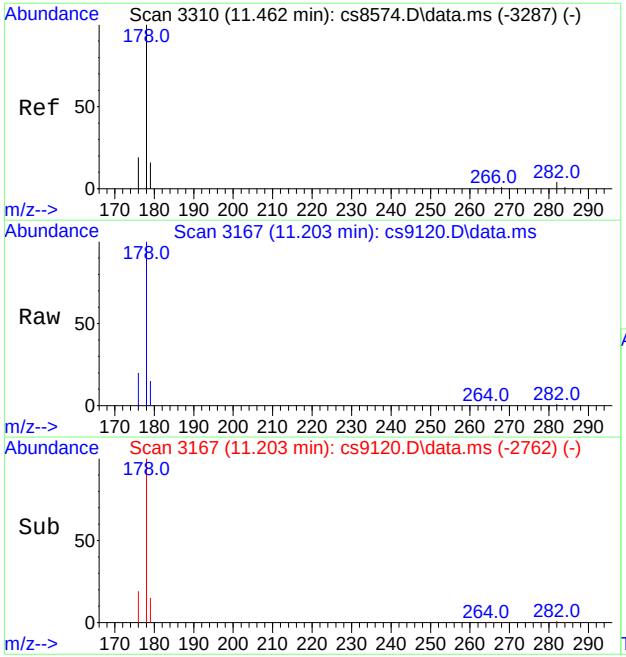


#20
Pentachlorophenol
Concen: 1271.7803 ppb
RT: 11.046 min Scan# 3038
Delta R.T. -0.001 min
Lab File: cs9120.D
Acq: 18 Oct 2025 06:46 pm

Tgt Ion:266 Resp: 22539

Ion	Ratio	Lower	Upper
266	100		
268	61.9	42.8	82.8
264	61.9	42.8	82.8

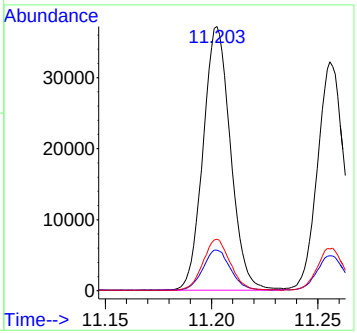


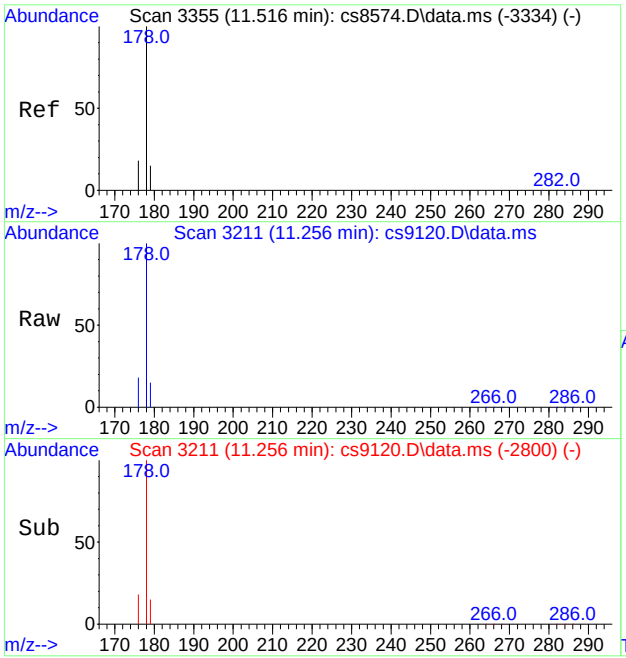


#21
Phenanthrene
Concen: 181.8924 ppb
RT: 11.203 min Scan# 3167
Delta R.T. 0.000 min
Lab File: cs9120.D
Acq: 18 Oct 2025 06:46 pm

Tgt Ion:178 Resp: 33290

Ion	Ratio	Lower	Upper
178	100		
179	15.2	0.0	44.9
176	19.3	0.0	49.3

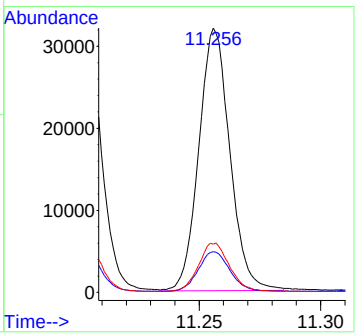


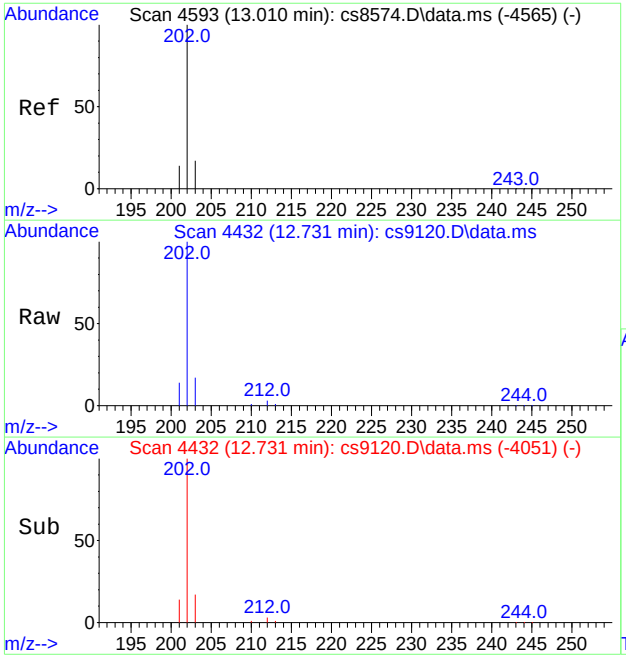


#22
Anthracene
Concen: 168.8060 ppb
RT: 11.256 min Scan# 3211
Delta R.T. -0.001 min
Lab File: cs9120.D
Acq: 18 Oct 2025 06:46 pm

Tgt Ion:178 Resp: 28488

Ion	Ratio	Lower	Upper
178	100		
179	15.1	0.0	44.9
176	18.0	0.0	48.0

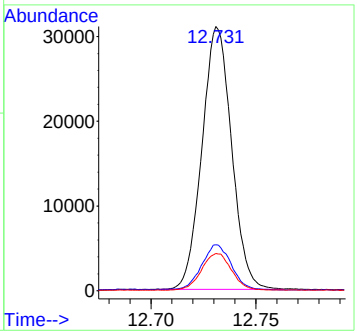


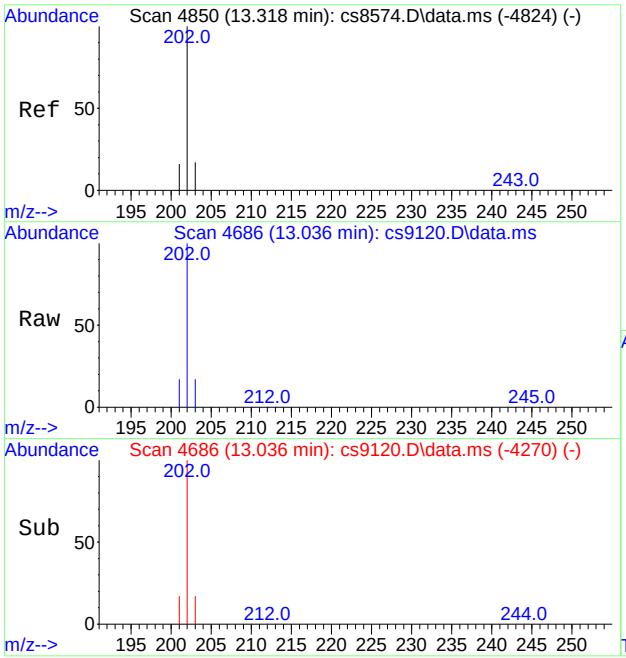


#23
Fluoranthene
Concen: 159.0797 ppb
RT: 12.731 min Scan# 4432
Delta R.T. -0.001 min
Lab File: cs9120.D
Acq: 18 Oct 2025 06:46 pm

Tgt Ion:202 Resp: 30562

Ion	Ratio	Lower	Upper
202	100		
203	17.0	0.0	46.9
201	13.9	0.0	44.3

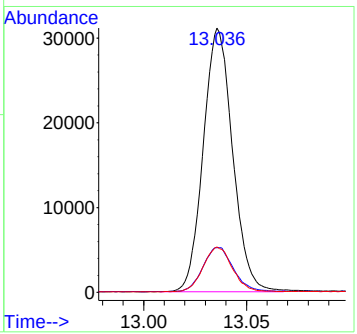


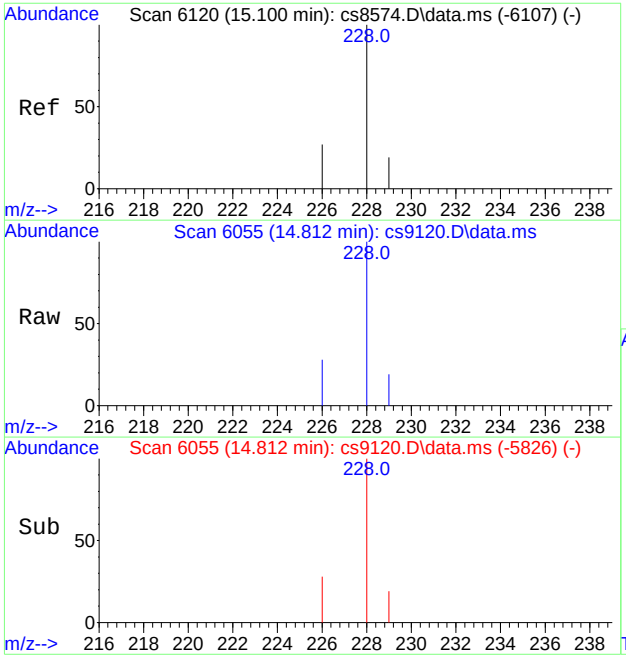


#24
Pyrene
Concen: 157.7718 ppb
RT: 13.036 min Scan# 4686
Delta R.T. -0.001 min
Lab File: cs9120.D
Acq: 18 Oct 2025 06:46 pm

Tgt Ion:202 Resp: 30795

Ion	Ratio	Lower	Upper
202	100		
203	16.6	0.0	47.4
201	17.0	0.0	46.9

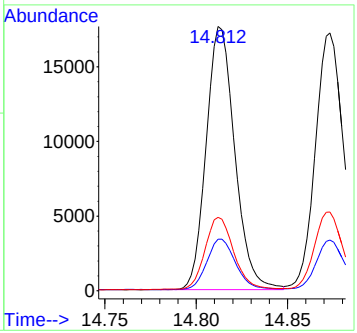


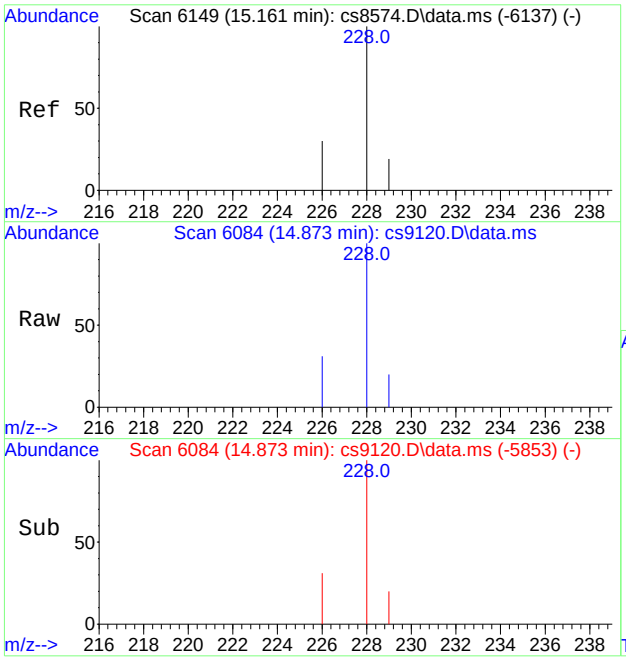


#26
Benzo[a]anthracene
Concen: 136.4227 ppb
RT: 14.812 min Scan# 6055
Delta R.T. -0.002 min
Lab File: cs9120.D
Acq: 18 Oct 2025 06:46 pm

Tgt Ion:228 Resp: 19227

Ion	Ratio	Lower	Upper
228	100		
229	19.1	0.0	49.0
226	27.3	0.0	57.0

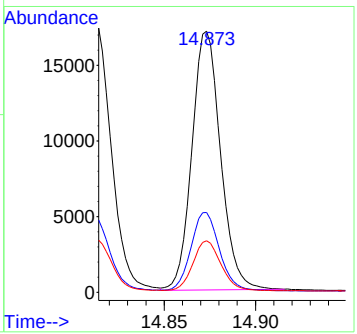


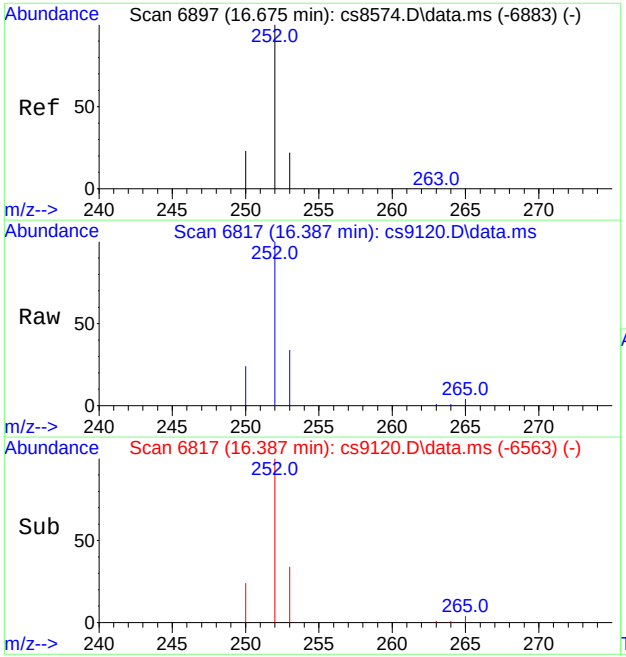


#27
Chrysene
Concen: 133.0774 ppb
RT: 14.873 min Scan# 6084
Delta R.T. 0.000 min
Lab File: cs9120.D
Acq: 18 Oct 2025 06:46 pm

Tgt Ion:228 Resp: 18617

Ion	Ratio	Lower	Upper
228	100		
226	30.3	0.0	59.6
229	19.3	0.0	49.1

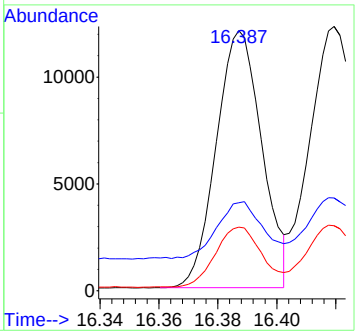


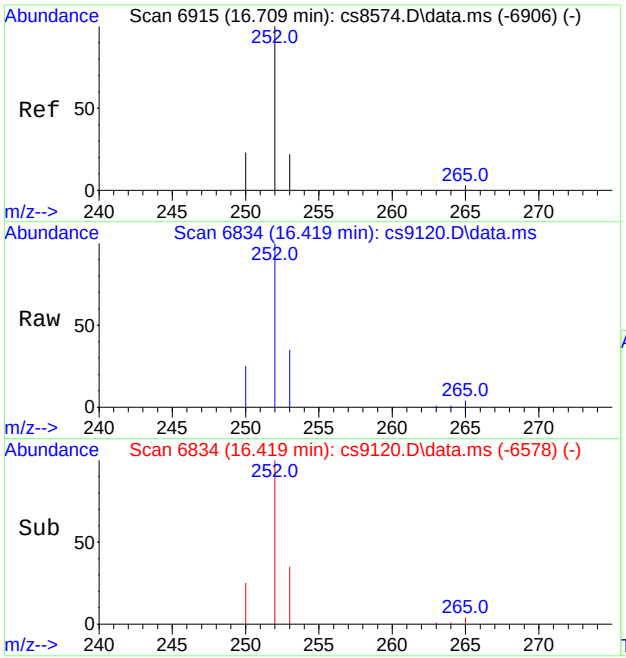


#29
Benzo[b]fluoranthene
Concen: 106.6100 ppb
RT: 16.387 min Scan# 6817
Delta R.T. 0.002 min
Lab File: cs9120.D
Acq: 18 Oct 2025 06:46 pm

Tgt Ion:252 Resp: 12963

Ion	Ratio	Lower	Upper
252	100		
253	20.9	0.0	51.0
250	22.8	0.0	52.9

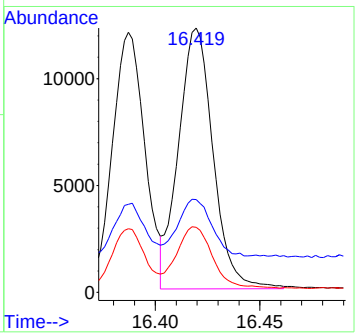


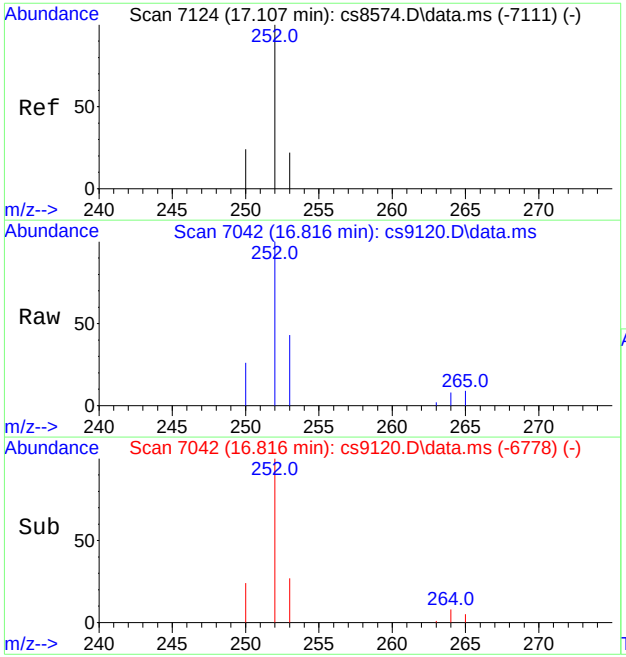


#30
Benzo[k]fluoranthene
Concen: 124.3793 ppb
RT: 16.419 min Scan# 6834
Delta R.T. 0.002 min
Lab File: cs9120.D
Acq: 18 Oct 2025 06:46 pm

Tgt Ion:252 Resp: 14103

Ion	Ratio	Lower	Upper
252	100		
253	21.8	0.0	50.6
250	22.9	0.0	52.8

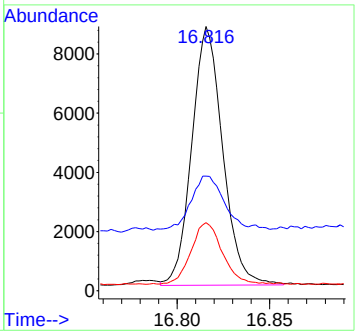


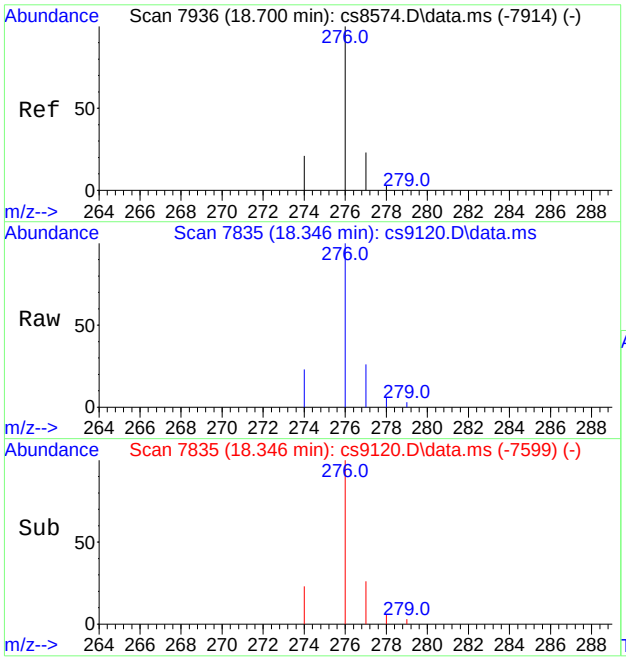


#31
Benzo[a]pyrene
Concen: 90.0236 ppb
RT: 16.816 min Scan# 7042
Delta R.T. 0.002 min
Lab File: cs9120.D
Acq: 18 Oct 2025 06:46 pm

Tgt Ion:252 Resp: 10150

Ion	Ratio	Lower	Upper
252	100		
253	20.4	0.0	51.4
250	24.0	0.0	53.9

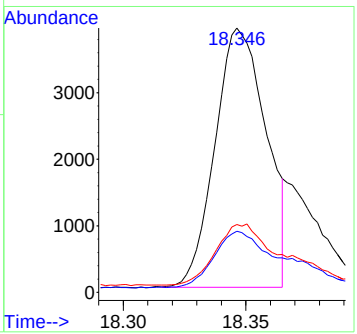


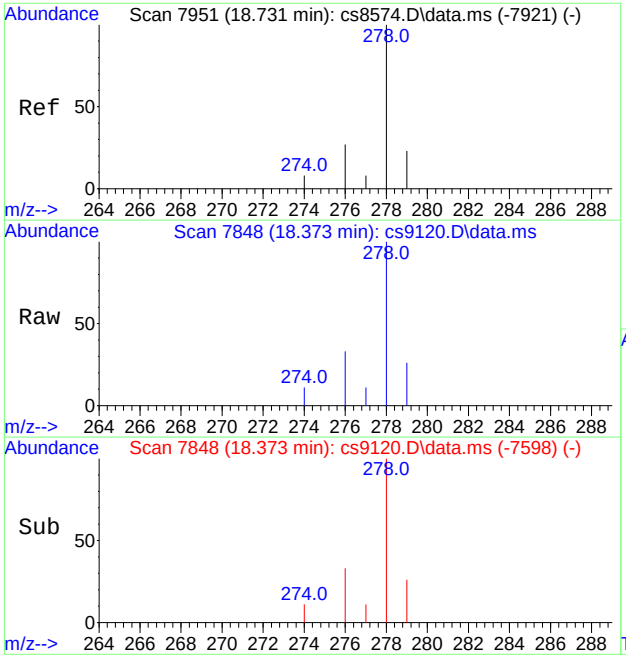


#32
Indeno[1,2,3-cd]pyrene
Concen: 63.6786 ppb m
RT: 18.346 min Scan# 7835
Delta R.T. 0.002 min
Lab File: cs9120.D
Acq: 18 Oct 2025 06:46 pm

Tgt Ion:276 Resp: 5663

Ion	Ratio	Lower	Upper
276	100		
274	23.1	0.0	52.5
277	25.7	0.0	55.7

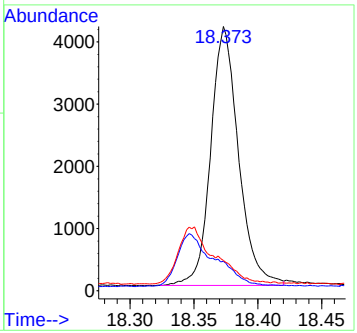


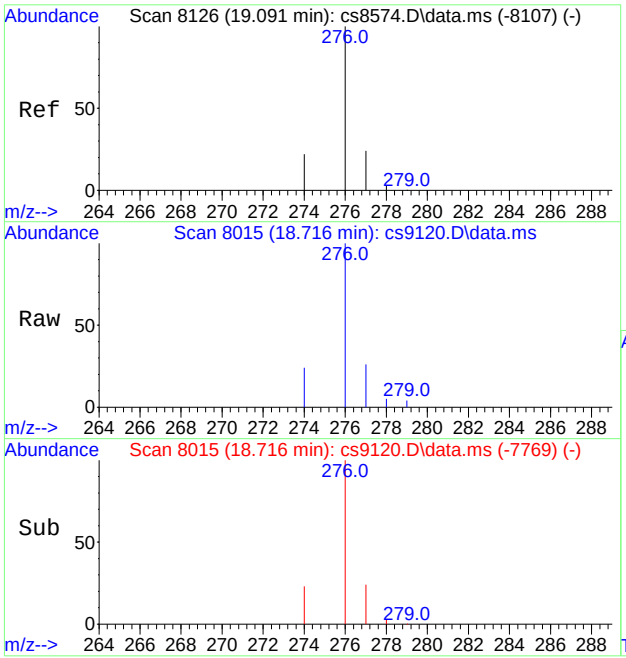


#33
Dibenz[a,h]anthracene
Concen: 75.5417 ppb
RT: 18.373 min Scan# 7848
Delta R.T. 0.004 min
Lab File: cs9120.D
Acq: 18 Oct 2025 06:46 pm

Tgt Ion:278 Resp: 6298

Ion	Ratio	Lower	Upper
278	100		
274	9.2	0.0	39.3
277	8.6	0.0	39.0

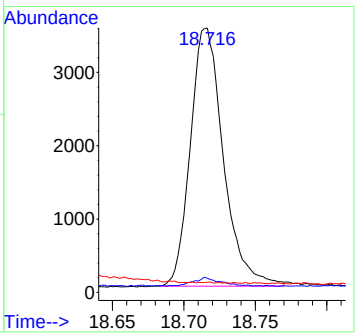




#34
Benzo[g,h,i]perylene
Concen: 63.9206 ppb
RT: 18.716 min Scan# 8015
Delta R.T. 0.006 min
Lab File: cs9120.D
Acq: 18 Oct 2025 06:46 pm

Tgt Ion:276 Resp: 5667

Ion	Ratio	Lower	Upper
276	100		
278	2.9	0.0	32.6
279	0.1	0.0	30.1



Manual Integration Approval Summary

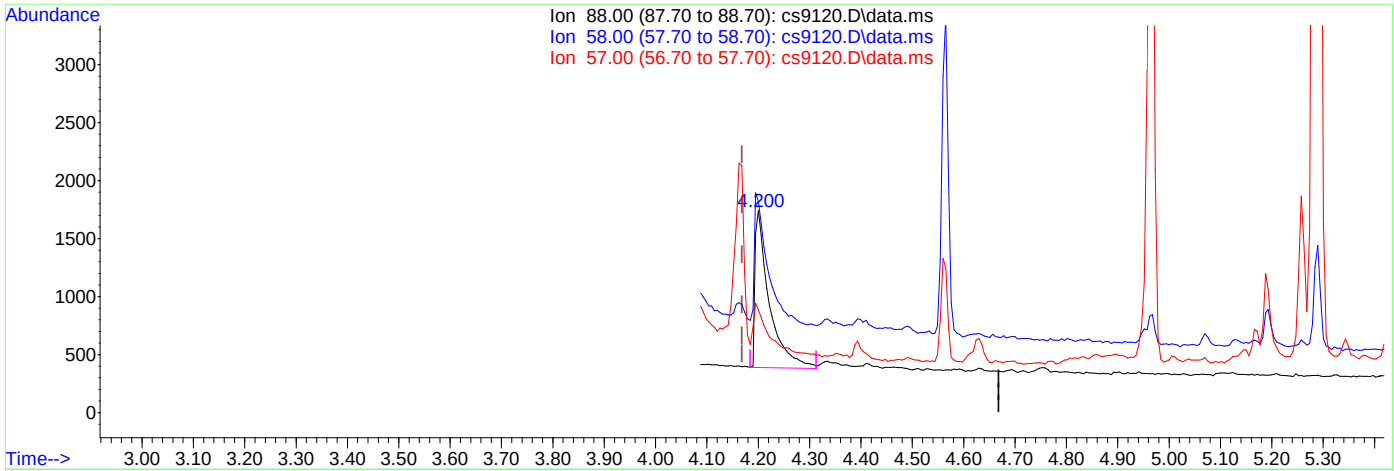
Sample Number:	OP68253A-BSD12	**Method:**	SW846 8270E BY SIM
Lab FileID:	CS9120.D	**Analyst approved:**	10/20/25 16:30 Lorena Tafur
Injection Time:	10/18/25 18:46	**Supervisor approved:**	10/21/25 11:23 Ying Li

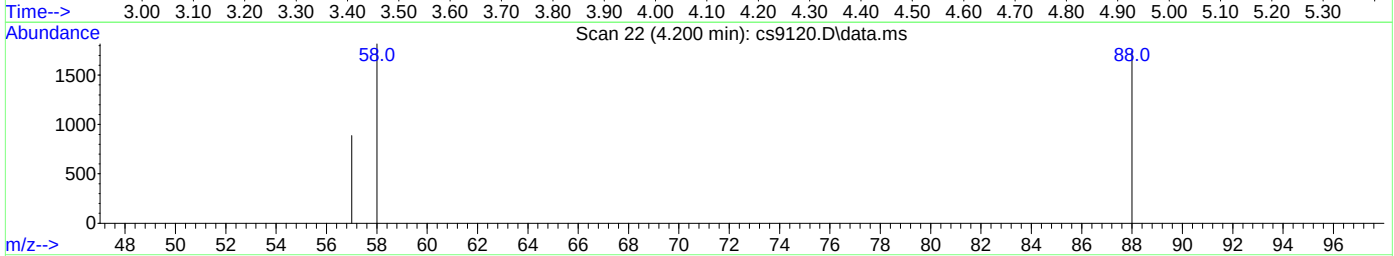
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,4-Dioxane	123-91-1		4.20	Poor instrument integration
Indeno(1,2,3-cd)pyrene	193-39-5		18.35	Poor instrument integration

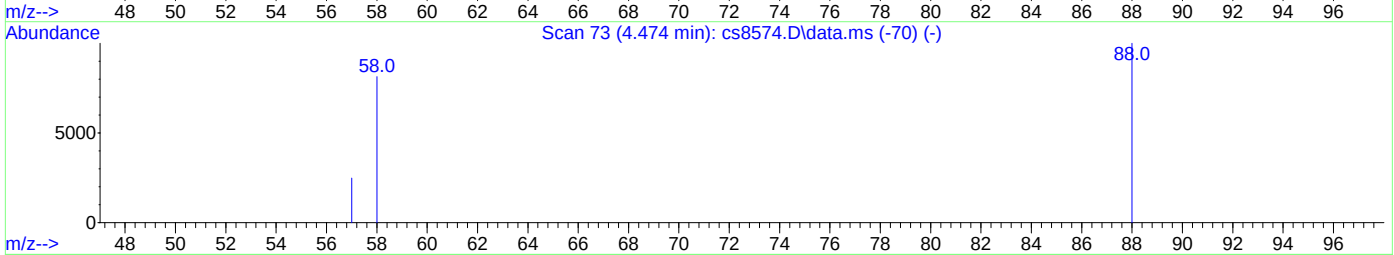
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\lorenat\Octubre\2025-10-20\ecs470\
Data File : cs9120.D
Acq On : 18 Oct 2025 06:46 pm
Operator : rocquans
Sample : op68253a-bsd12 Inst : GCMS_CS
Misc : op68253a,ecs470,250,,,1,1
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Oct 20 18:07:38 2025
Quant Method : X:\Dayton SVOA GCMS\lorenat\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 18:05:43 2025
Response via : Initial Calibration







TIC: cs9120.D\data.ms

(2) 1,4-Dioxane (t)

4.200min (+0.032) 105.28ppb

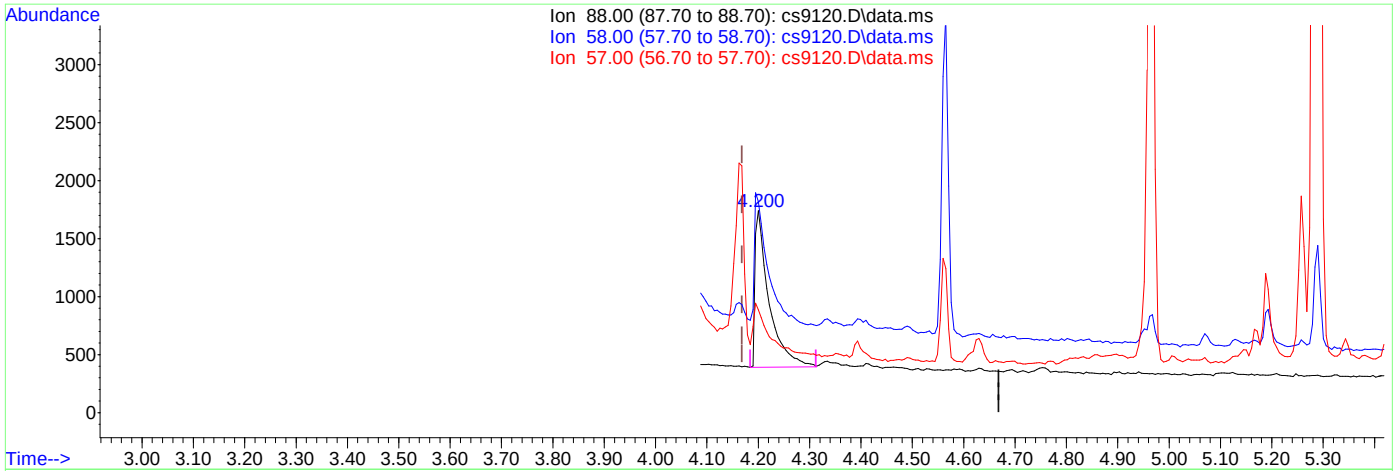
response 2597

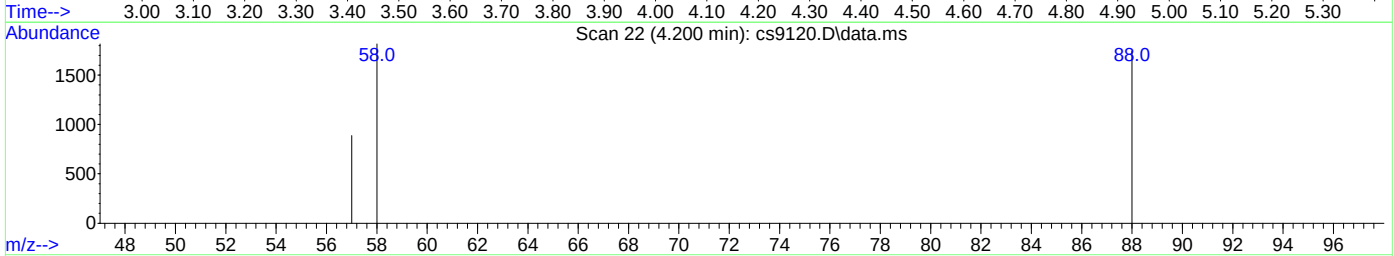
Ion	Exp%	Act%
88.00	100	100
58.00	88.50	77.53
57.00	141.10	25.66#
0.00	0.00	0.00

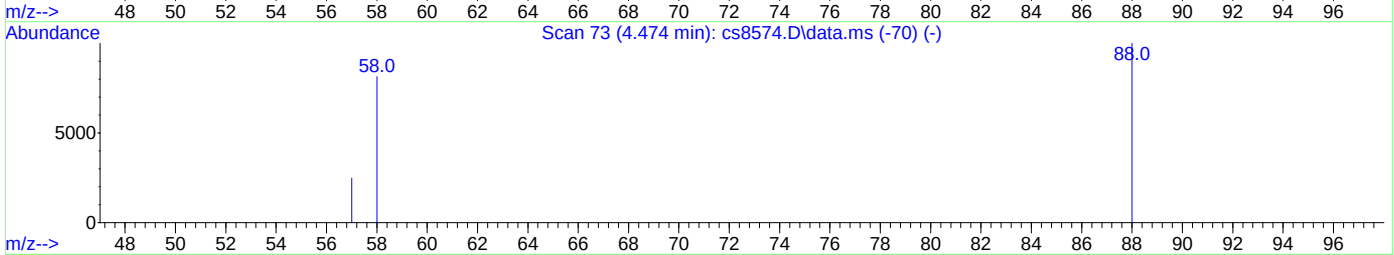
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\lorenat\Octubre\2025-10-20\ecs470\
Data File : cs9120.D
Acq On : 18 Oct 2025 06:46 pm
Operator : rocquans
Sample : op68253a-bsd12 Inst : GCMS_CS
Misc : op68253a,ecs470,250,,,1,1
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Oct 20 18:07:38 2025
Quant Method : X:\Dayton SVOA GCMS\lorenat\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 18:05:43 2025
Response via : Initial Calibration







TIC: cs9120.D\data.ms

(2) 1,4-Dioxane (t)

4.200min (+0.032) 103.26ppb m

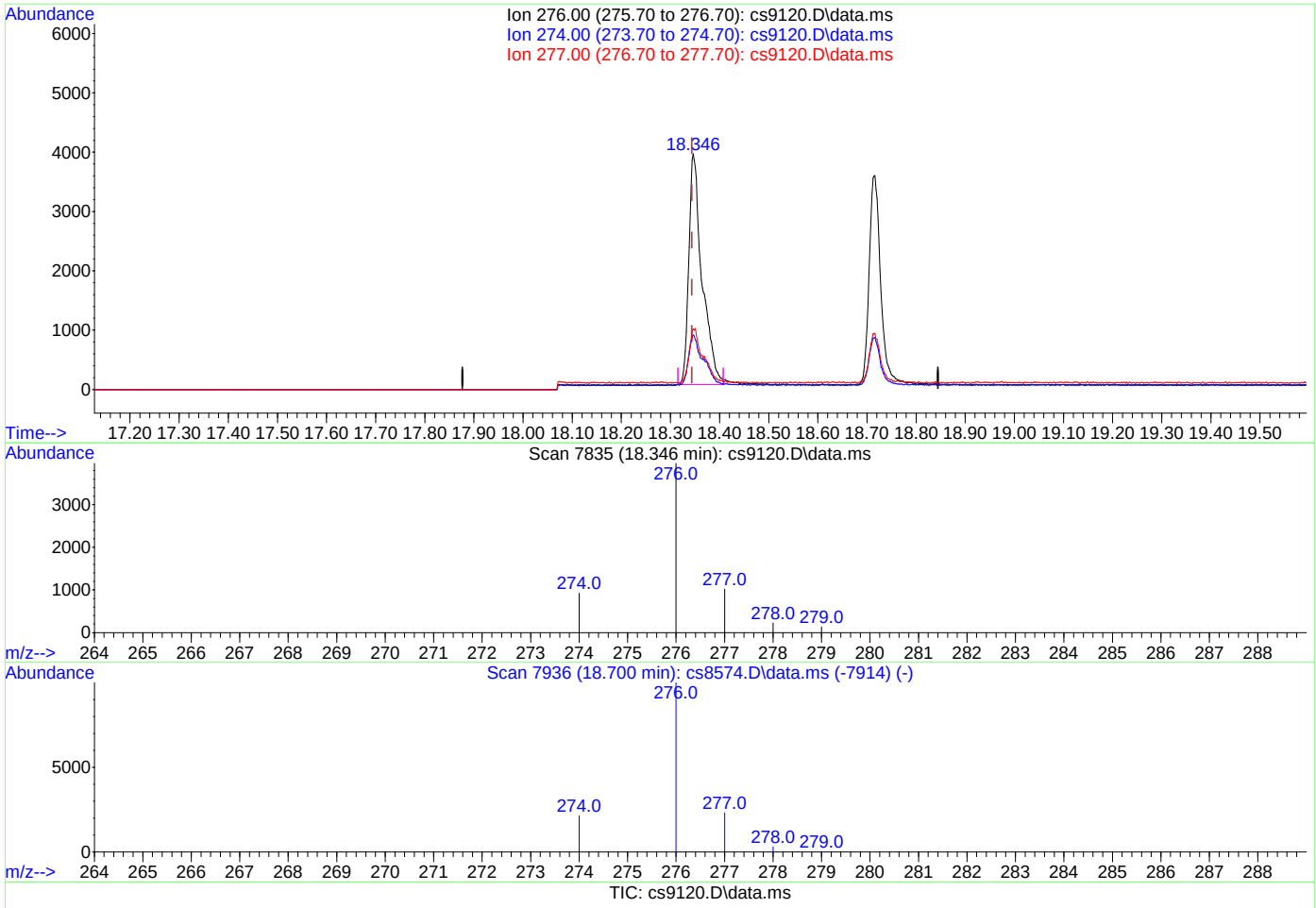
response 2547

Ion	Exp%	Act%
88.00	100	100
58.00	88.50	104.37
57.00	141.10	50.89#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\lorenat\Octubre\2025-10-20\ecs470\
Data File : cs9120.D
Acq On : 18 Oct 2025 06:46 pm
Operator : rocquans
Sample : op68253a-bsd12 Inst : GCMS_CS
Misc : op68253a,ecs470,250,,,1,1
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Oct 20 18:07:38 2025
Quant Method : X:\Dayton SVOA GCMS\lorenat\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 18:05:43 2025
Response via : Initial Calibration



TIC: cs9120.D\data.ms

(32) Indeno[1,2,3-cd]pyrene (t)

18.346min (+0.002) 82.07ppb

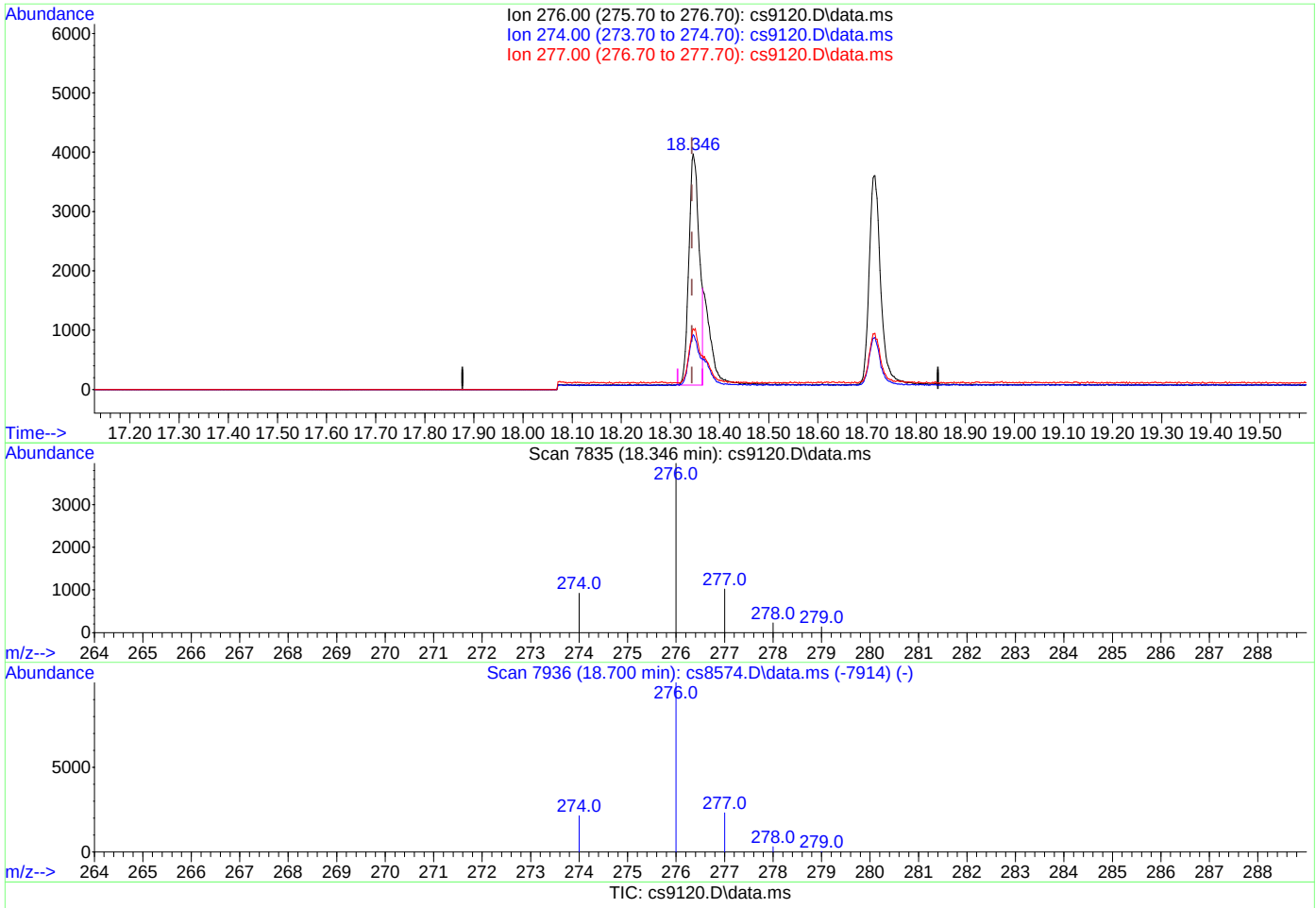
response 7299

Ion	Exp%	Act%
276.00	100	100
274.00	22.50	21.62
277.00	25.70	23.31
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\lorenat\Octubre\2025-10-20\ecs470\
Data File : cs9120.D
Acq On : 18 Oct 2025 06:46 pm
Operator : rocquans
Sample : op68253a-bsd12 Inst : GCMS_CS
Misc : op68253a,ecs470,250,,,1,1
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Oct 20 18:07:38 2025
Quant Method : X:\Dayton SVOA GCMS\lorenat\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 18:05:43 2025
Response via : Initial Calibration



TIC: cs9120.D\data.ms

(32) Indeno[1,2,3-cd]pyrene (t)

18.346min (+0.002) 63.68ppb m

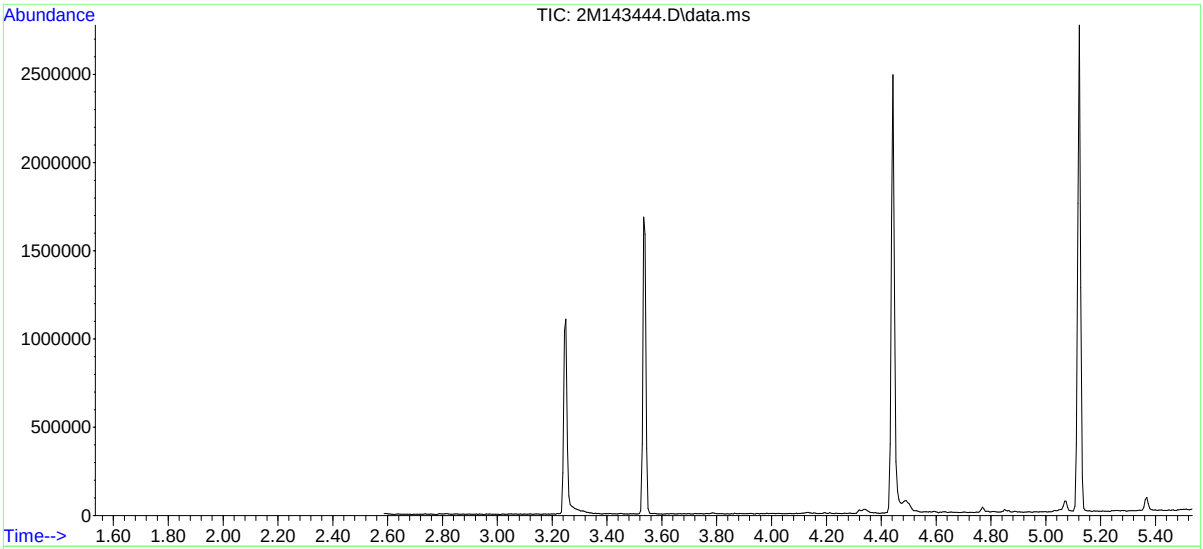
response 5663

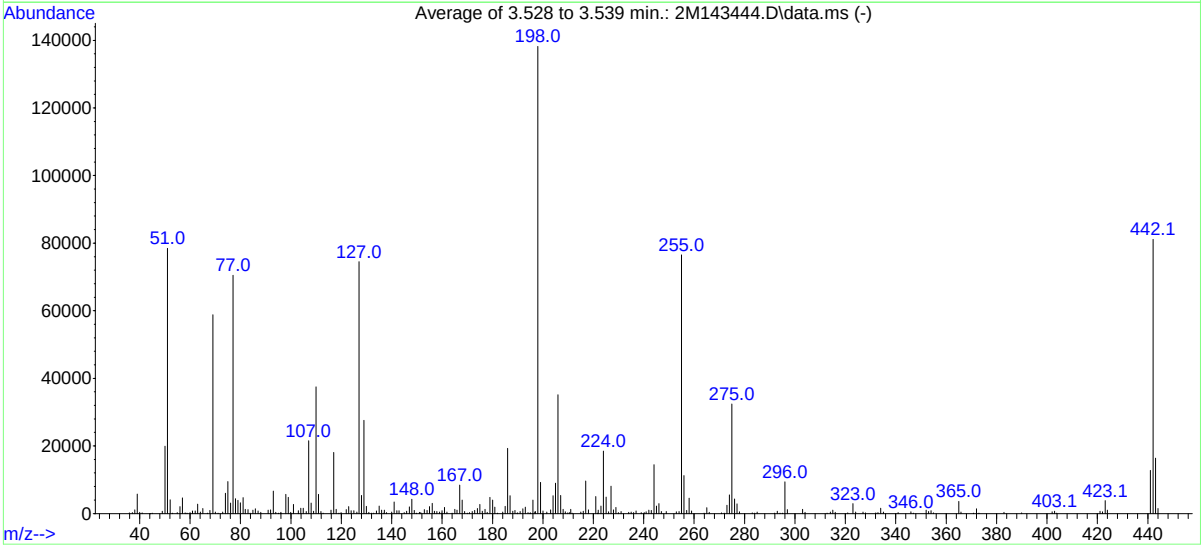
Ion	Exp%	Act%
276.00	100	100
274.00	22.50	23.13
277.00	25.70	25.72
0.00	0.00	0.00

DFTPP

Data File : C:\msdchem\1\DATA\E2M6496\2M143444.D Vial: 1
Acq On : 18 Sep 2025 1:52 pm Operator: rocquans
Sample : dftpp Inst : GCMS2M
Misc : op67209a,E2M6496,250,,,1,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\DFTPP2M.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5 15m x .25mm x .25um





AutoFind: Scans 177, 178, 179; Background Corrected with Scan 173

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	56.8	78454	PASS
68	69	0.00	2	1.5	896	PASS
69	198	0.00	100	42.6	58816	PASS
70	69	0.00	2	0.8	449	PASS
127	198	40	60	53.9	74491	PASS
197	198	0.00	1	0.5	636	PASS
198	198	100	100	100.0	138165	PASS
199	198	5	9	6.7	9254	PASS
275	198	10	30	23.4	32380	PASS
365	198	1	100	2.6	3608	PASS
441	443	0.10	100	77.9	12751	PASS
442	198	40	100	58.7	81107	PASS
443	442	17	23	20.2	16370	PASS

2M143444.D DFTPP2M.M Thu Sep 18 16:43:01 2025

Average of 3.528 to 3.539 min.: 2M143444.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.95	187	52.05	4100	64.05	465	77.00	70515
37.05	299	53.00	138	65.00	1490	78.00	4405
38.05	1081	54.95	320	66.90	130	78.95	3885
39.05	5784	55.95	2044	67.90	896	79.95	3168
39.95	392	56.95	4666	69.00	58816	81.00	4702
41.00	222	58.05	214	70.00	449	81.90	1289
44.00	3	58.80	102	71.10	105	83.00	1187
45.00	113	60.00	258	72.95	487	83.85	137
48.95	684	61.00	772	74.00	5997	84.95	1050
50.00	19912	62.00	743	75.00	9457	85.90	1439
51.00	78454	63.00	2799	76.05	3095	86.95	758

Average of 3.528 to 3.539 min.: 2M143444.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
88.00	350	101.00	2739	112.80	116	127.00	74491
90.95	1030	102.95	811	115.90	1013	128.00	5327
91.95	1089	103.95	1604	117.00	18072	129.00	27565
93.00	6634	104.90	1600	117.95	1242	129.90	2142
94.00	342	106.05	585	119.00	117	130.95	396
95.10	158	107.00	21573	119.85	312	132.00	128
95.90	107	108.00	3141	121.95	1154	132.90	128
96.05	354	108.95	652	122.95	2073	133.95	766
98.00	5669	110.00	37474	123.95	843	135.00	2250
98.95	4762	110.95	5686	124.95	865	135.95	1030
99.95	362	111.95	641	126.15	468	136.90	132

Average of 3.528 to 3.539 min.: 2M143444.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
137.05	1037	149.80	129	160.00	870	171.90	578
137.90	275	151.00	398	160.95	1811	172.90	965
140.00	443	151.55	257	161.95	470	174.00	1457
141.00	3463	152.95	1148	164.00	101	175.00	2684
142.00	884	154.00	929	165.00	1248	175.95	650
142.95	834	155.00	2070	165.95	1039	177.00	1293
144.95	289	156.05	3030	167.00	8446	177.90	374
145.95	690	156.95	652	168.00	3995	179.00	4827
147.00	1946	157.95	587	168.95	574	180.00	4028
148.00	4206	158.95	447	170.00	105	180.95	1871
149.00	925	159.80	147	170.90	298	182.00	160

Average of 3.528 to 3.539 min.: 2M143444.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
184.05	420	194.05	251	204.00	5258	215.95	689
185.00	2175	194.80	137	205.00	8953	217.00	9585
186.00	19306	195.00	177	206.00	35167	218.00	1076
187.00	5249	196.00	4031	207.00	5359	221.00	5000
188.00	677	196.80	434	208.00	1289	221.70	131
188.95	954	197.05	636	208.90	530	221.95	1028
189.80	128	198.00	138165	209.90	239	223.00	2185
190.00	175	199.00	9254	210.50	297	224.00	18501
191.00	573	200.00	762	211.05	1254	225.05	4887
192.00	1424	201.55	444	211.60	118	226.05	490
192.95	1915	203.00	1103	215.00	436	227.00	8124

Average of 3.528 to 3.539 min.: 2M143444.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
228.00	1084	242.00	985	257.00	918	276.00	4347
228.95	1800	243.00	957	258.00	4551	277.00	2830
229.95	260	244.05	14442	258.95	728	277.95	537
231.00	584	245.00	2210	263.90	100	283.10	177
234.00	377	246.00	2979	265.00	1728	284.00	113
235.00	428	246.95	618	265.95	368	285.00	483
235.95	283	248.90	602	270.85	230	291.90	102
236.90	750	252.95	542	271.90	113	293.00	667
238.95	318	254.05	626	273.00	2473	294.10	150
240.15	295	255.00	76565	274.00	5486	295.00	141
240.90	539	256.00	11274	275.00	32380	296.00	9368

Average of 3.528 to 3.539 min.: 2M143444.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
297.00	1178	328.00	236	354.95	224	421.00	690
303.00	1235	332.10	177	365.00	3608	422.05	563

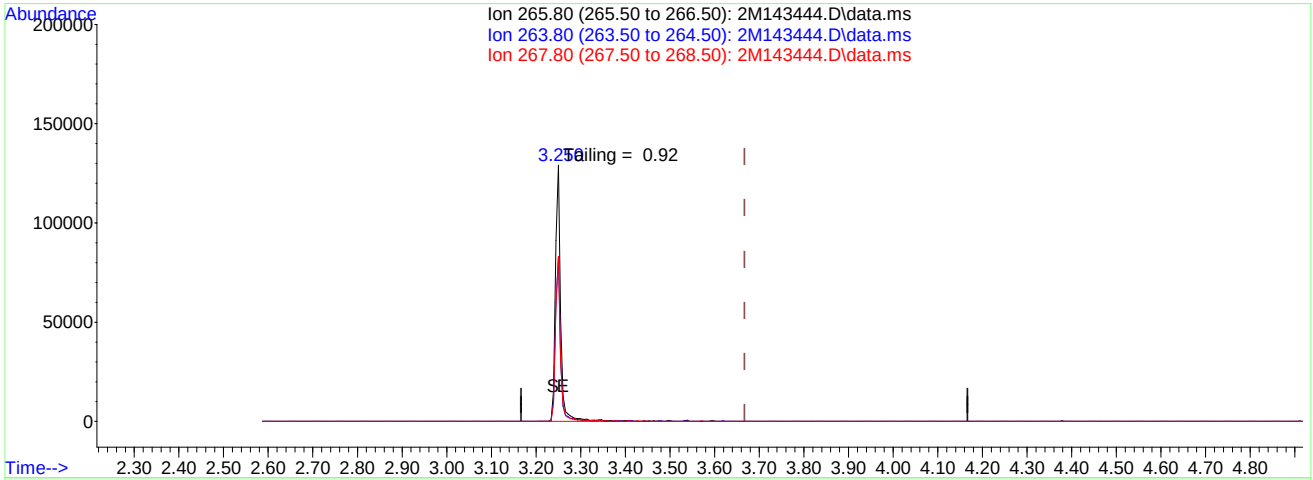
DFTPP2M.M Thu Sep 18 16:42:47 2025 Page: 0

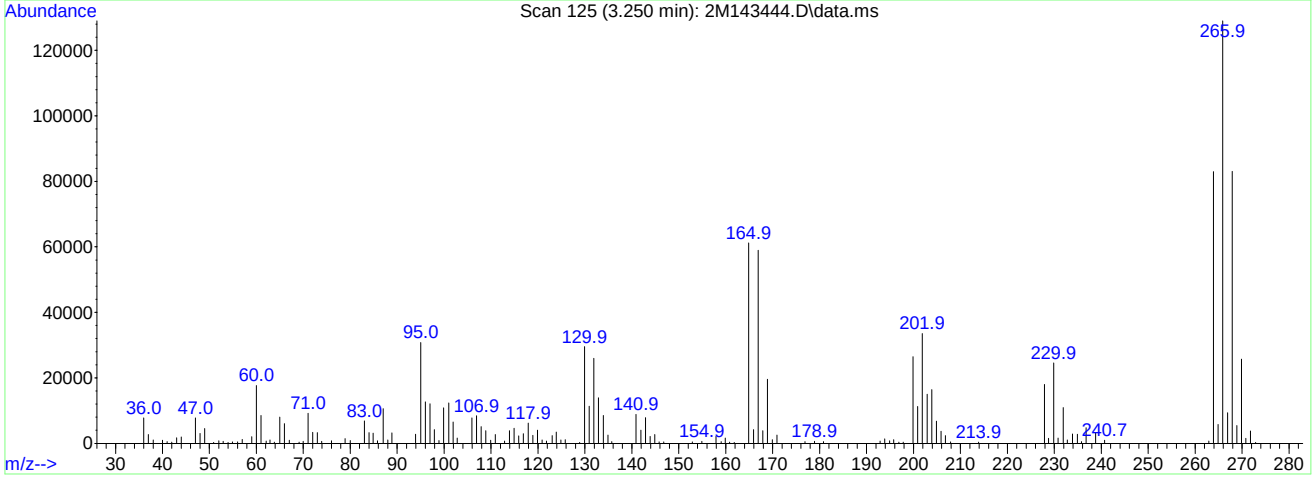
304.00	376	332.95	259	365.85	464	423.10	3869
312.80	115	334.00	1550	370.80	110	424.00	979
314.00	413	335.05	459	372.05	1383	441.05	12751
315.00	1047	340.95	264	373.00	149	442.10	81107
315.95	400	346.00	497	382.95	356	443.10	16370
320.95	225	347.00	103	390.00	174	444.00	1489
323.00	2946	352.00	986	402.00	490		
324.10	420	353.05	630	403.05	721		
327.00	449	354.00	821	403.90	135		

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143444.D
Acq On : 18 Sep 2025 1:52 pm
Operator : rocquans
Sample : dftpp
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 13:58:31 2025
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP2M.M
Quant Title : Semi Volatile GC/MS, ZB-5 15m x .25mm x .25um
QLast Update : Wed May 14 16:12:08 2025
Response via : Initial Calibration





TIC: 2M143444.D\data.ms

(1) Pentachlorophenol (t)

3.250min (-0.417) 0.00ng m

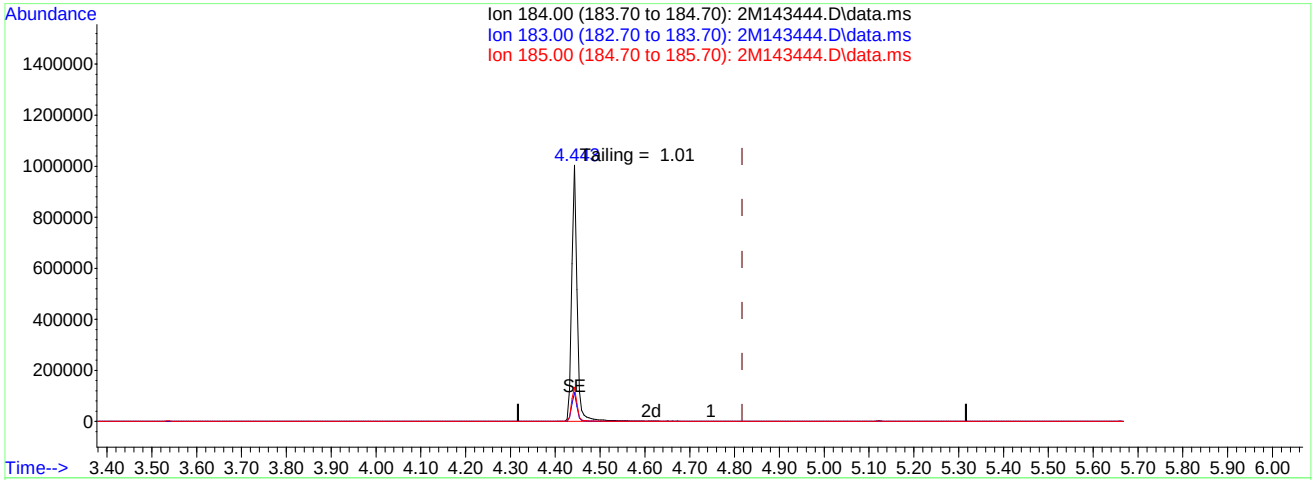
response 105738

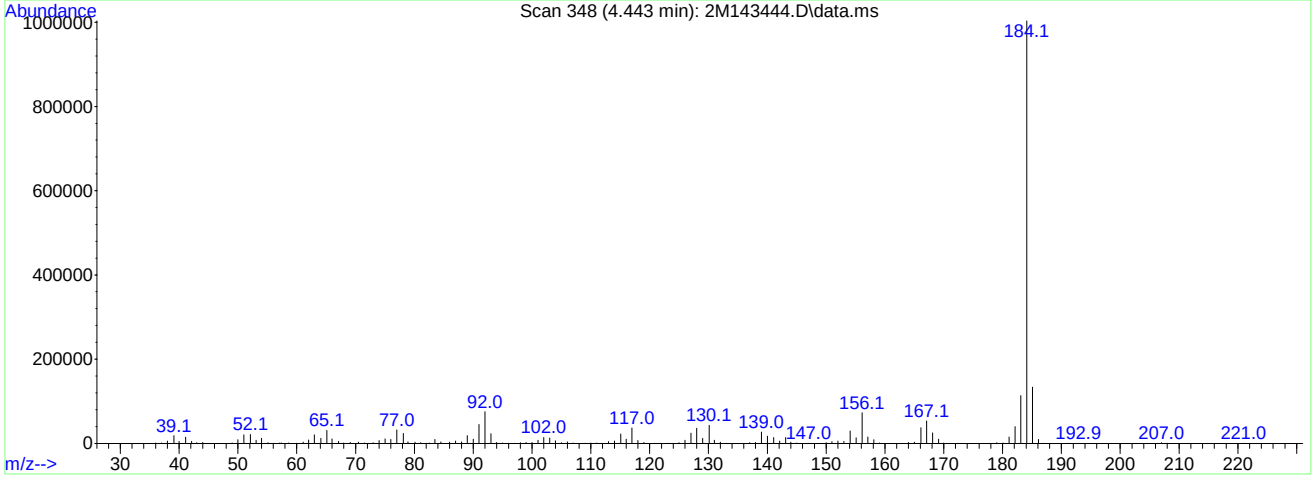
Ion	Exp%	Act%
265.80	100	100
263.80	62.60	64.30
267.80	62.30	64.33
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143444.D
Acq On : 18 Sep 2025 1:52 pm
Operator : rocquans
Sample : dftpp
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 13:58:31 2025
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP2M.M
Quant Title : Semi Volatile GC/MS, ZB-5 15m x .25mm x .25um
QLast Update : Wed May 14 16:12:08 2025
Response via : Initial Calibration





TIC: 2M143444.D\data.ms

(2) Benzidine (t)

4.443min (-0.374) 0.00ng m

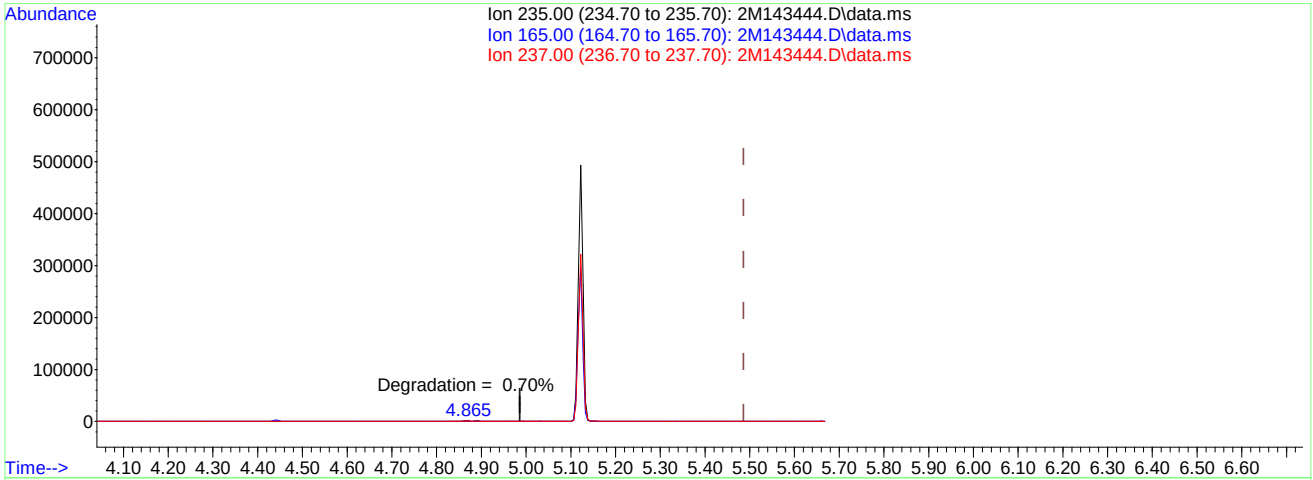
response 843327

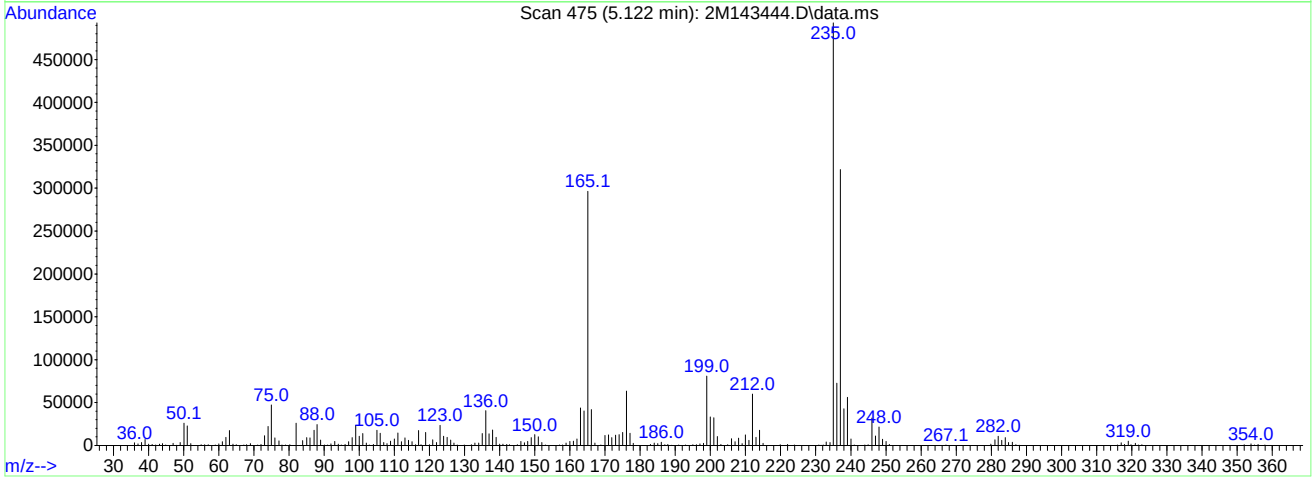
Ion	Exp%	Act%
184.00	100	100
183.00	11.20	11.32
185.00	13.20	13.30
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143444.D
Acq On : 18 Sep 2025 1:52 pm
Operator : rocquans
Sample : dftpp
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 13:58:31 2025
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP2M.M
Quant Title : Semi Volatile GC/MS, ZB-5 15m x .25mm x .25um
QLast Update : Wed May 14 16:12:08 2025
Response via : Initial Calibration





TIC: 2M143444.D\data.ms

(3) PP-DDT (t)

5.122min (-0.364) 0.00ng m

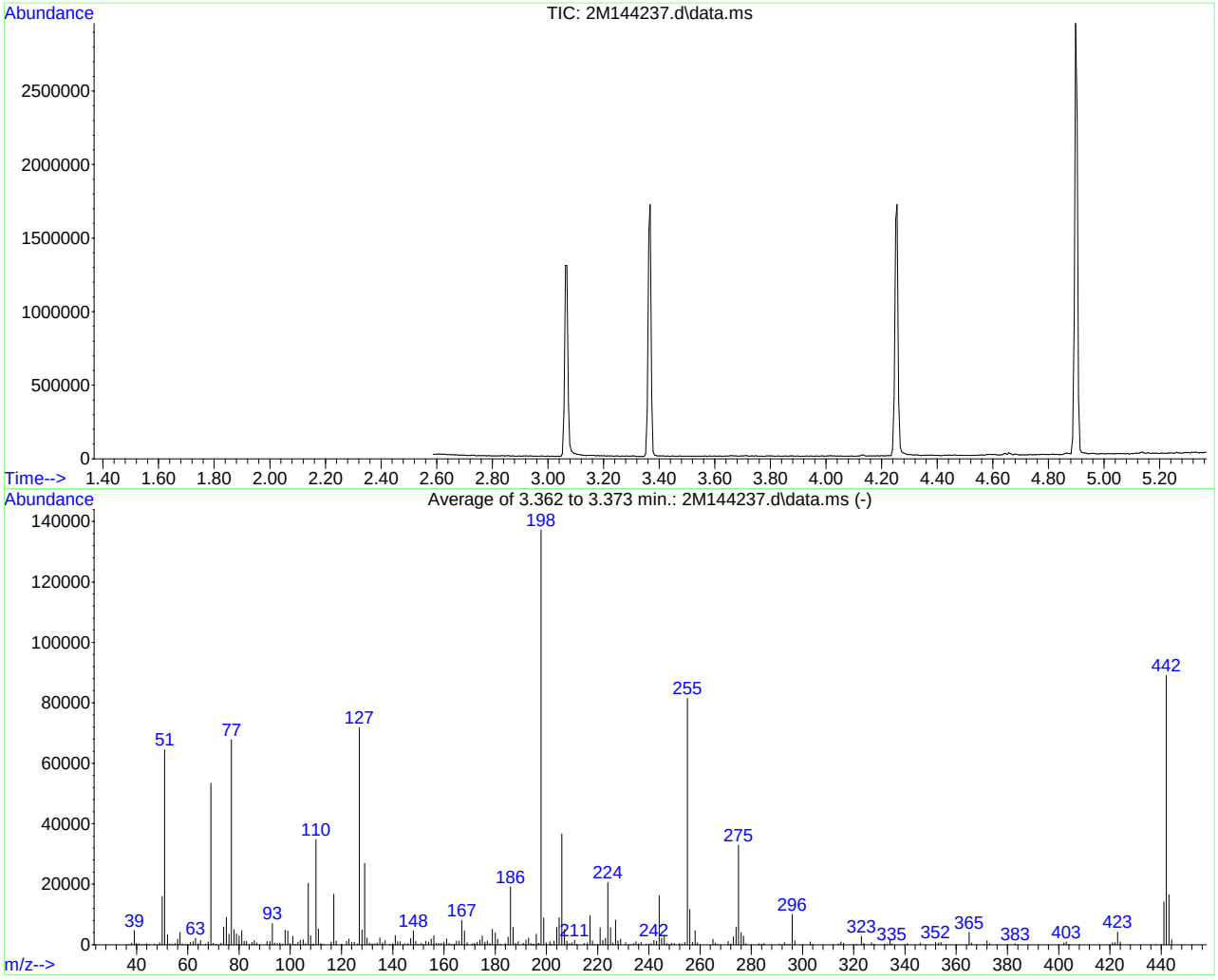
response 362306

Ion	Exp%	Act%
235.00	100	100
165.00	54.50	0.00#
237.00	63.80	0.00#
0.00	0.00	0.00

DFTPP

Data File : X:\Dayton SVOA GCMS\...25\e2m6525\2M144237.d Vial: 2
Acq On : 18 Oct 2025 11:37 am Operator: rocquans
Sample : dftpp Inst : GCMS2M
Misc : op68078a,E2M6525,250,,,1,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : X:\Dayton SVOA G...ethods\dftpp2m.m (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5 15m x .25mm x .25um



AutoFind: Scans 146, 147, 148; Background Corrected with Scan 141

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	47.0	64497	PASS
68	69	0.00	2	1.7	933	PASS
69	198	0.00	100	38.9	53423	PASS
70	69	0.00	2	1.0	521	PASS
127	198	40	60	52.3	71752	PASS
197	198	0.00	1	0.4	519	PASS
198	198	100	100	100.0	137173	PASS
199	198	5	9	6.4	8815	PASS
275	198	10	30	24.1	33009	PASS
365	198	1	100	3.0	4139	PASS
441	443	0.10	100	86.6	14263	PASS
442	198	40	100	64.9	89069	PASS
443	442	17	23	18.5	16477	PASS

2M144237.d dftpp2m.m Sun Oct 19 13:07:19 2025

Average of 3.362 to 3.373 min.: 2M144237.d\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.90	24	50.00	16011	60.95	792	74.00	5885
38.00	452	50.95	64497	62.00	981	75.00	9036
39.05	4675	52.05	3324	63.00	2148	76.05	3500
39.95	392	53.05	318	64.05	353	76.95	67836
41.00	300	53.90	101	64.95	1397	78.00	5014
42.00	43	54.95	390	66.90	235	79.00	3595
43.00	101	56.00	1808	67.95	933	80.00	2837
44.00	274	56.95	4134	69.00	53423	81.00	4640
44.90	130	57.90	328	69.95	521	81.95	1144
46.95	217	59.00	148	71.00	151	82.95	1078
48.95	654	59.95	49	72.95	526	83.90	64

Average of 3.362 to 3.373 min.: 2M144237.d\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
85.00	763	99.00	4527	109.10	197	122.00	1131
85.95	1339	99.95	428	110.00	34823	122.95	1883
86.90	622	101.00	2811	111.00	5117	123.90	787
90.95	1144	101.90	101	111.90	355	124.95	831
92.05	1083	102.95	856	112.10	208	126.10	316
92.95	6976	103.95	1480	113.00	247	127.00	71752
93.95	529	105.00	1597	115.95	965	128.00	4861
94.95	339	106.00	443	117.00	16708	129.00	26913
95.90	566	107.00	20272	117.95	1222	130.00	2264
96.95	236	108.00	2945	119.80	119	130.95	589
97.95	4802	108.90	159	120.10	118	131.95	300

Average of 3.362 to 3.373 min.: 2M144237.d\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
132.95	339	144.85	282	156.00	2953	167.00	8067
133.90	579	145.95	421	156.95	506	168.00	4578
135.00	2256	147.00	2070	157.90	521	169.00	678
135.95	694	148.00	4603	158.95	452	171.00	355
137.00	1368	149.00	1073	160.00	965	171.90	501
138.80	101	149.80	102	161.00	1899	173.00	831
139.90	345	151.00	381	162.00	431	174.00	1572
141.00	3053	151.90	132	163.00	107	175.00	2847
141.90	1042	152.90	1081	163.90	236	176.00	852
142.90	1040	153.95	809	164.90	1205	176.20	120
144.00	110	155.00	1927	165.95	1220	176.95	1170

Average of 3.362 to 3.373 min.: 2M144237.d\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
177.90	374	191.00	526	199.90	651	210.00	587
178.90	5104	191.95	1524	201.35	986	211.00	1501
180.00	3908	193.00	2201	201.60	137	211.80	117
181.00	1821	194.00	425	202.00	127	214.85	399
182.00	246	194.80	119	203.00	1234	216.00	612
183.90	396	195.10	163	204.00	5715	217.00	9647
185.00	2546	196.00	3461	205.00	8940	218.00	1265
186.00	19122	196.80	333	206.00	36648	218.90	164
187.00	5658	197.10	519	207.00	4964	219.90	117
187.95	485	197.90	137173	207.95	1213	221.00	5639
188.95	1026	198.95	8815	209.00	442	222.00	1426

Average of 3.362 to 3.373 min.: 2M144237.d\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
223.00	2194	235.90	355	247.90	116	265.00	1777
224.00	20531	237.00	721	248.95	499	265.90	482
225.00	5616	238.95	244	249.95	437	266.90	106
226.00	584	239.95	230	251.90	362	270.95	1131
227.00	8064	240.95	381	253.00	197	272.00	340
227.95	1250	241.95	1347	254.05	736	273.00	2605
229.00	1850	243.00	1122	255.00	81440	274.00	5775
230.95	718	244.00	16290	256.00	11690	275.00	33009
232.80	107	245.00	2167	257.00	883	276.00	4004
234.00	362	246.00	3064	258.00	4658	277.00	2865
234.95	1011	246.90	500	258.95	678	277.90	307

Average of 3.362 to 3.373 min.: 2M144237.d\data.ms

dftpp2m.m Sun Oct 19 13:07:11 2025 Page: 0

dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
282.95	278	314.00	357	334.85	334	383.00	349
283.95	214	314.95	956	340.95	378	402.00	538
284.95	400	316.05	498	345.90	491	403.00	941
290.95	249	321.00	226	352.00	788	404.00	121
293.00	658	323.00	2761	353.10	564	421.00	642
293.90	142	323.95	526	354.05	740	421.95	567
295.00	138	326.90	684	365.00	4139	423.00	4166
296.00	9952	328.00	198	365.95	552	424.00	930
297.00	1279	332.00	256	371.00	140	438.00	108
303.00	974	333.00	150	372.00	1283	441.05	14263
304.00	127	334.05	1888	373.00	276	442.05	89069

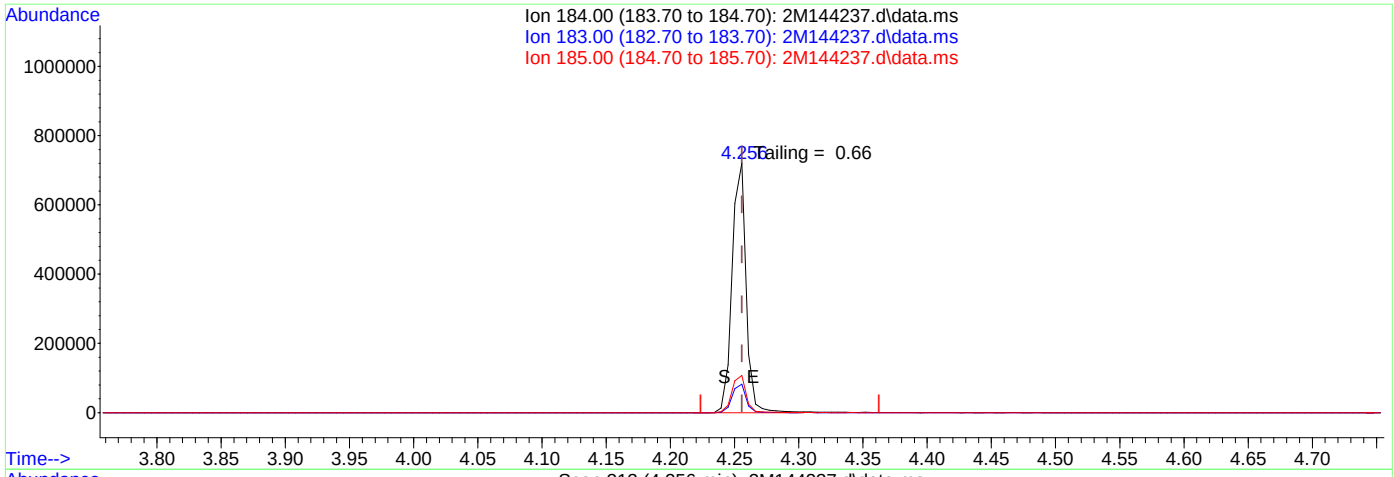
Average of 3.362 to 3.373 min.: 2M144237.d\data.ms
dftpp
Modified:subtracted

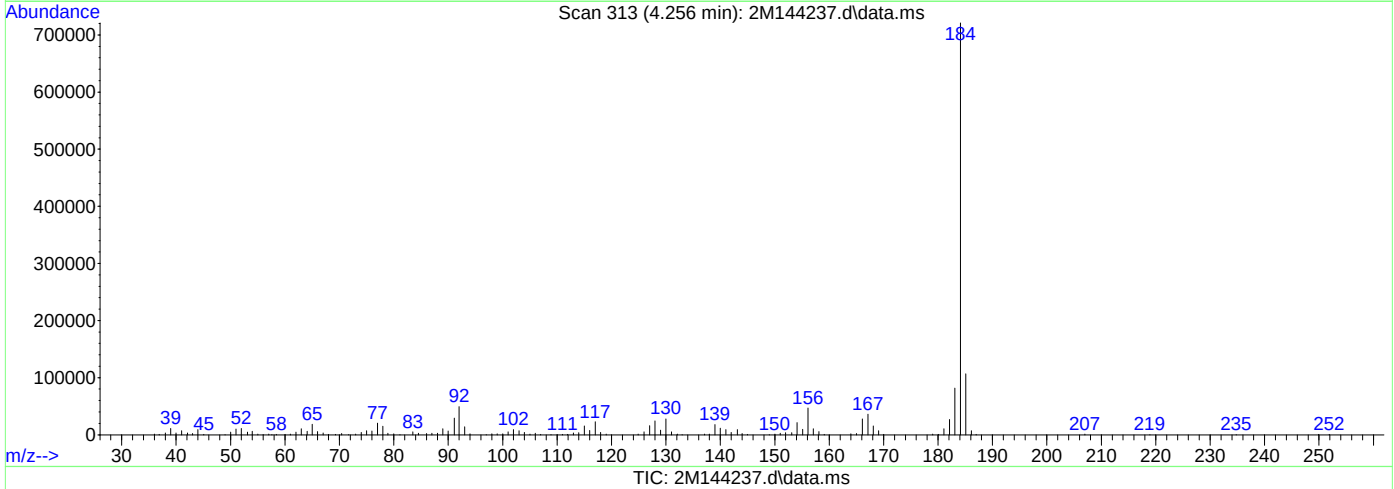
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
443.10	16477						
444.10	1641						

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\anthonyt\10-19-25\e2m6525\
Data File : 2M144237.d
Acq On : 18 Oct 2025 11:37 am
Operator : rocquans
Sample : dftpp Inst : GCMS2M
Misc : op68078a,E2M6525,250,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 19 13:06:41 2025
Quant Method : X:\Dayton SVOA GCMS\anthonyt\methods\dftpp2m.m
Quant Title : Semi Volatile GC/MS, ZB-5 15m x .25mm x .25um
QLast Update : Sun Oct 19 13:06:33 2025
Response via : Initial Calibration





TIC: 2M144237.d\data.ms

(2) Benzidine (t)

4.256min (0.000) 0.00ppb

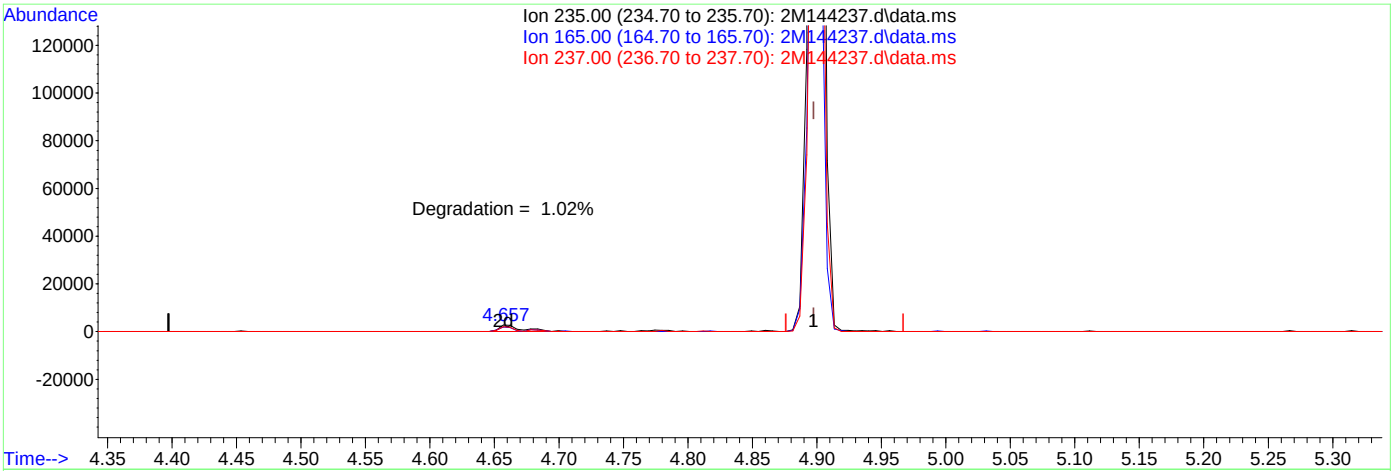
response 550194

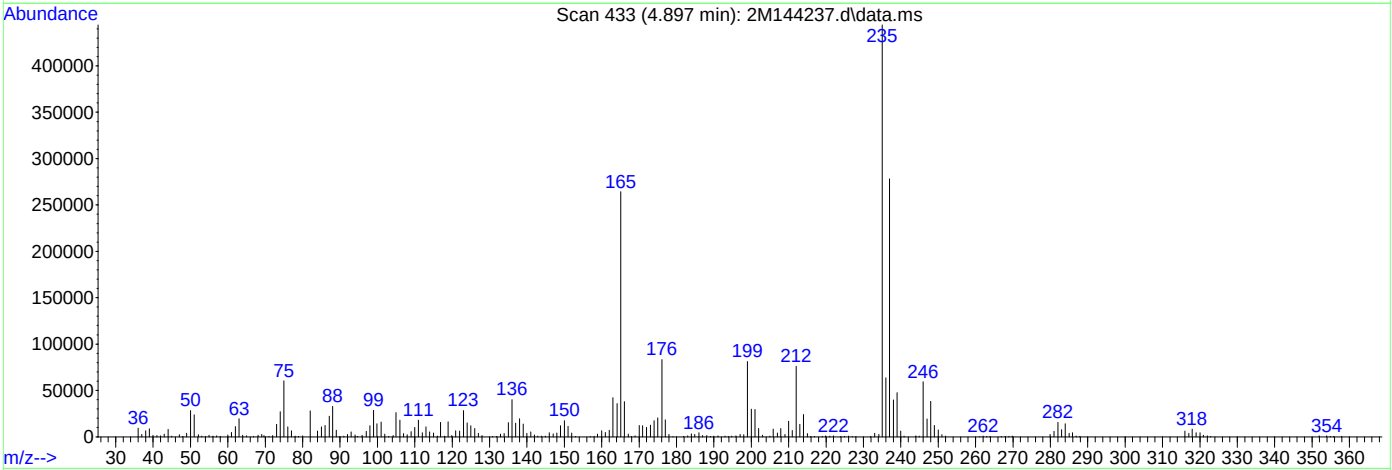
Ion	Exp%	Act%
184.00	100	100
183.00	11.40	11.36
185.00	14.80	14.83
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\anthonyt\10-19-25\e2m6525\
Data File : 2M144237.d
Acq On : 18 Oct 2025 11:37 am
Operator : rocquans
Sample : dftpp Inst : GCMS2M
Misc : op68078a,E2M6525,250,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 19 13:06:41 2025
Quant Method : X:\Dayton SVOA GCMS\anthonyt\methods\dftpp2m.m
Quant Title : Semi Volatile GC/MS, ZB-5 15m x .25mm x .25um
QLast Update : Sun Oct 19 13:06:33 2025
Response via : Initial Calibration





TIC: 2M144237.d\data.ms

(3) PP-DDT (t)

4.897min (0.000) 0.00ppb

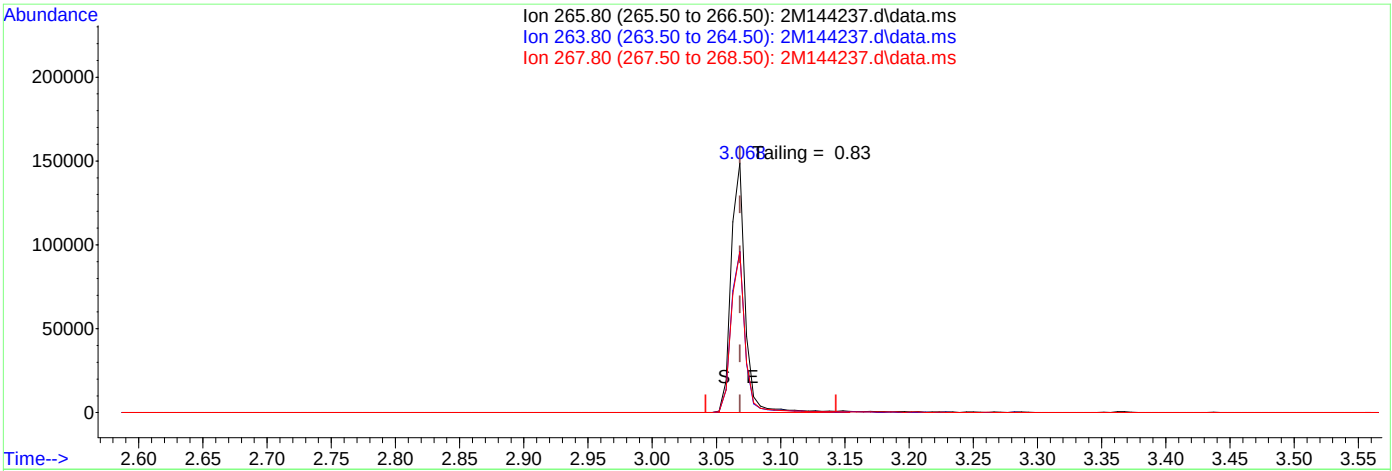
response 337631

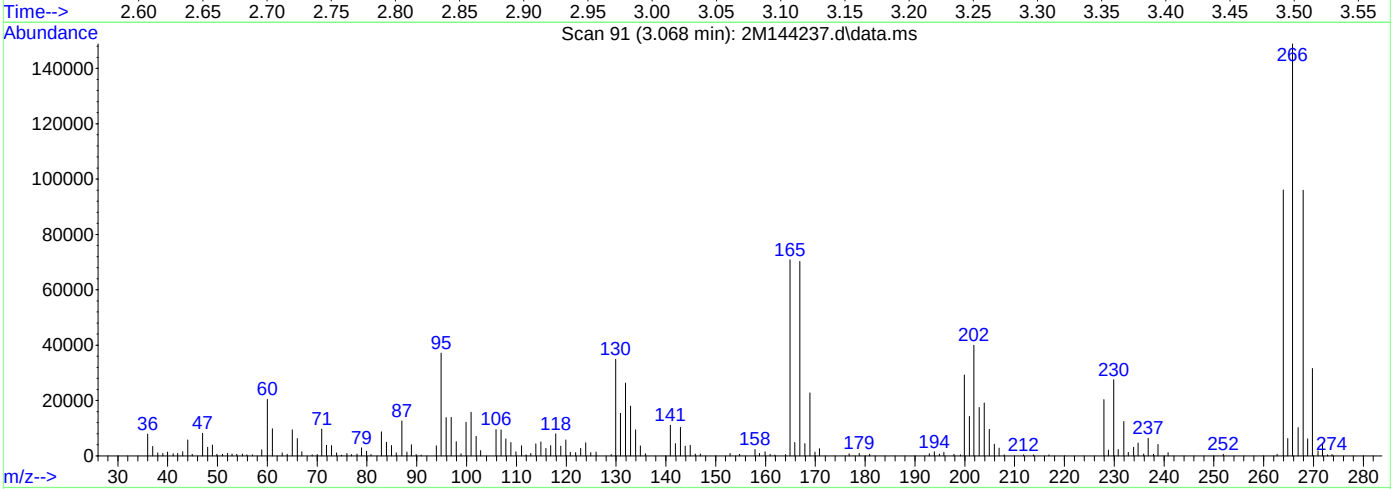
Ion	Exp%	Act%
235.00	100	100
165.00	59.50	55.48
237.00	62.60	63.02
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\anthonyt\10-19-25\e2m6525\
Data File : 2M144237.d
Acq On : 18 Oct 2025 11:37 am
Operator : rocquans
Sample : dftpp Inst : GCMS2M
Misc : op68078a,E2M6525,250,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 19 13:06:41 2025
Quant Method : X:\Dayton SVOA GCMS\anthonyt\methods\dftpp2m.m
Quant Title : Semi Volatile GC/MS, ZB-5 15m x .25mm x .25um
QLast Update : Sun Oct 19 13:06:33 2025
Response via : Initial Calibration





TIC: 2M144237.d\data.ms

(1) Pentachlorophenol (t)

3.068min (0.000) 0.00ppb

response 114397

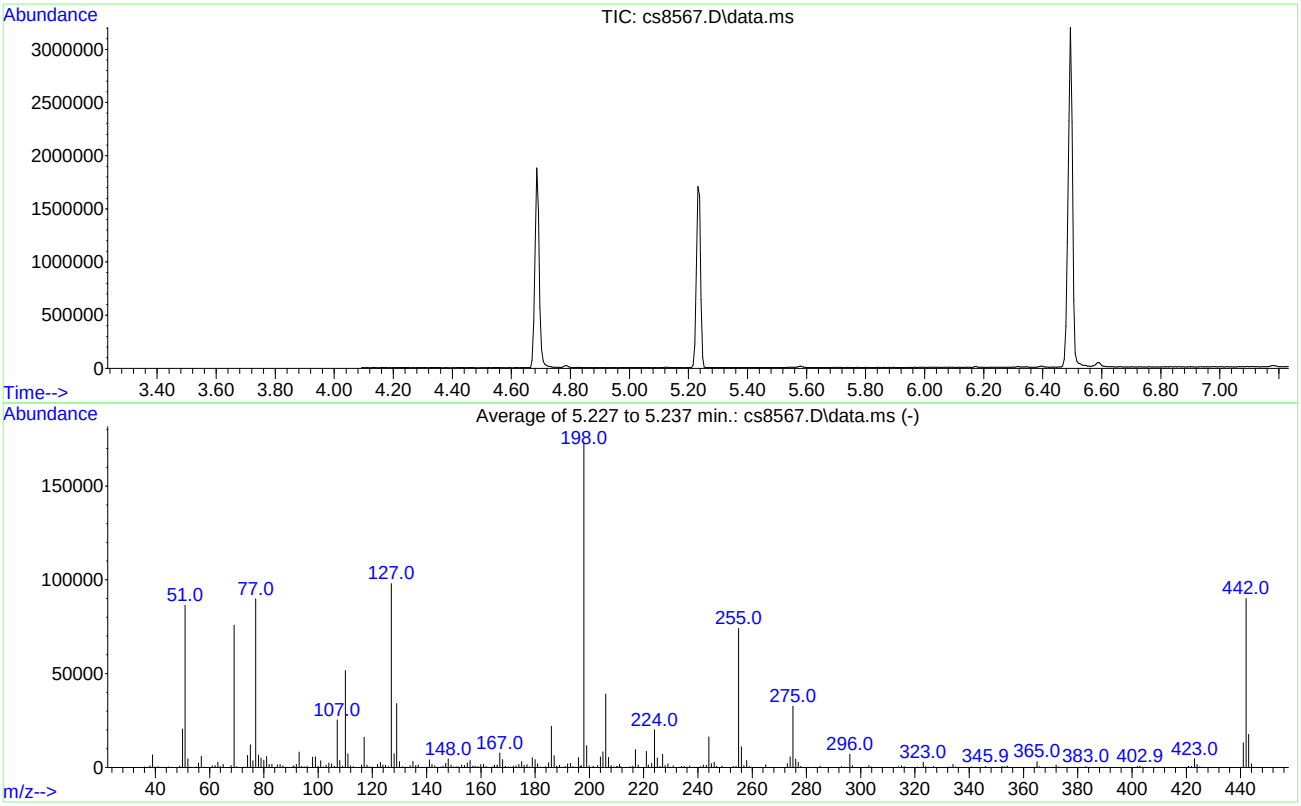
Ion	Exp%	Act%
265.80	100	100
263.80	64.50	64.53
267.80	64.40	64.41
0.00	0.00	0.00

DFTPP

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8567.D
Acq On : 17 Sep 2025 11:06 am
Operator : rocquans
Sample : dftpp
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 41 Sample Multiplier: 1

Integration File: RTEINT.P

Method : D:\MassHunter\GCMS\1\methods\dftppcs.m
Title : Semi Volatile GC/MS, ZB-5 15m x .25mm x .25um
Last Update : Fri Aug 22 14:22:30 2025



AutoFind: Scans 213, 214, 215; Background Corrected with Scan 208

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	50.0	86464	PASS
68	69	0.00	2	1.4	1028	PASS
69	198	0.00	100	43.8	75795	PASS
70	69	0.00	2	0.5	407	PASS
127	198	40	60	56.6	97965	PASS
197	198	0.00	1	0.5	869	PASS
198	198	100	100	100.0	173072	PASS
199	198	5	9	6.7	11562	PASS
275	198	10	30	18.8	32624	PASS
365	198	1	100	1.8	3128	PASS
441	443	0.10	100	74.8	13092	PASS
442	198	40	100	52.0	89987	PASS
443	442	17	23	19.5	17505	PASS

Average of 5.227 to 5.237 min.: cs8567.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	214	52.00	4574	67.95	1028	81.00	5706
36.90	156	53.00	112	69.00	75795	82.00	1584
38.00	882	55.00	254	69.95	407	83.00	1694
39.00	6682	55.95	2292	73.00	145	84.95	1294
40.00	221	57.00	5910	74.00	6426	85.95	1504
41.05	437	58.00	110	75.00	11991	87.05	783
43.00	101	60.95	835	76.00	3543	87.90	103
44.90	237	62.00	967	77.00	89925	90.85	841
49.00	712	63.00	2826	78.05	6490	91.10	444
50.00	20444	63.95	383	79.00	4959	91.95	1512
51.00	86464	65.00	1647	80.00	3816	93.00	8085

Average of 5.227 to 5.237 min.: cs8567.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
93.95	560	105.80	133	117.95	1211	129.00	33984
94.95	211	106.00	476	118.85	266	129.95	3048
95.90	681	107.00	25328	119.95	290	131.00	368
98.00	5429	107.95	3657	121.90	1563	131.90	144
99.00	5553	109.00	667	123.00	2624	132.10	130
99.95	510	110.00	51619	123.85	1315	132.80	113
101.00	3467	111.00	7313	124.85	1107	133.95	963
102.00	240	111.95	876	125.85	333	134.95	3155
102.95	1108	112.90	389	126.10	116	135.95	1019
104.00	2286	116.00	1292	127.00	97965	136.95	1387
104.95	1876	117.00	16041	128.00	7321	138.10	104

Average of 5.227 to 5.237 min.: cs8567.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
139.90	116	149.95	272	158.90	603	167.95	4107
140.10	128	150.90	437	159.95	1362	168.80	136
141.00	3954	151.30	135	161.00	1652	169.00	482
141.95	1544	151.60	146	161.90	168	170.05	233
142.95	843	151.80	171	162.05	365	170.90	291
143.90	119	152.95	1291	164.05	237	171.90	668
145.10	163	153.95	1007	164.80	256	173.00	902
146.00	686	155.00	2311	164.95	1206	174.00	1633
147.00	2241	156.00	3742	165.70	175	175.00	3081
148.00	4572	157.00	737	166.00	1241	175.95	1202
149.00	1066	157.90	634	167.00	7738	177.00	1423

Average of 5.227 to 5.237 min.: cs8567.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
177.90	171	189.80	112	198.00	173072	209.05	452
178.95	5197	190.90	229	199.00	11562	210.05	472
180.00	4082	191.15	369	199.95	839	210.30	314
180.95	1821	192.00	1899	201.40	523	211.05	1569
181.95	283	192.95	2141	201.60	302	211.60	326
183.95	385	193.95	543	203.00	973	214.95	344
184.95	2507	194.90	135	204.00	5569	216.00	625
186.00	21912	195.10	153	205.00	8311	216.95	9527
187.05	6215	196.00	5111	206.00	39136	217.95	1232
187.95	688	196.75	731	207.00	5283	221.00	8592
188.95	1188	197.00	869	207.95	909	221.75	1254

Average of 5.227 to 5.237 min.: cs8567.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
223.00	2179	235.90	113	248.90	647	274.00	5629
224.00	19957	237.00	758	253.05	571	275.00	32624
225.00	5023	238.90	121	254.05	555	276.00	4479
226.00	549	239.80	118	255.00	74088	276.95	2566
227.00	6917	240.90	411	256.00	10959	277.95	496
227.95	1000	241.95	1235	256.95	931	281.00	105
228.95	1817	243.05	1125	257.95	3619	283.10	152

229.90	100	244.00	16221	258.90	430	285.00	652
230.95	900	244.95	2079	259.10	209	292.80	152
233.95	464	246.00	2706	265.00	1353	293.00	359
234.95	588	246.95	580	273.00	2032	293.90	127

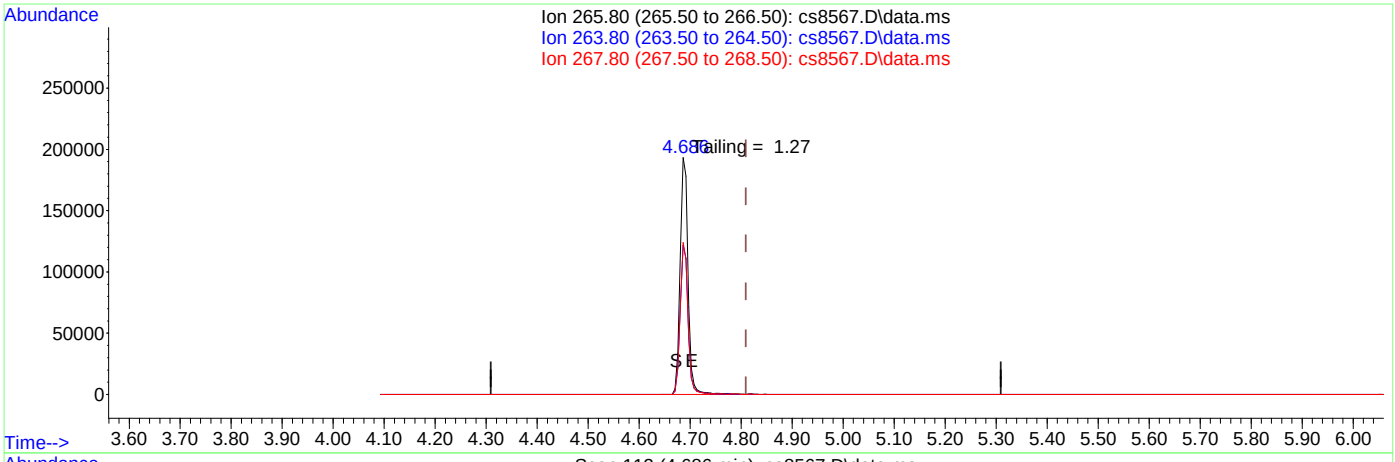
Average of 5.227 to 5.237 min.: cs8567.D\data.ms
dftpp
Modified:subtracted

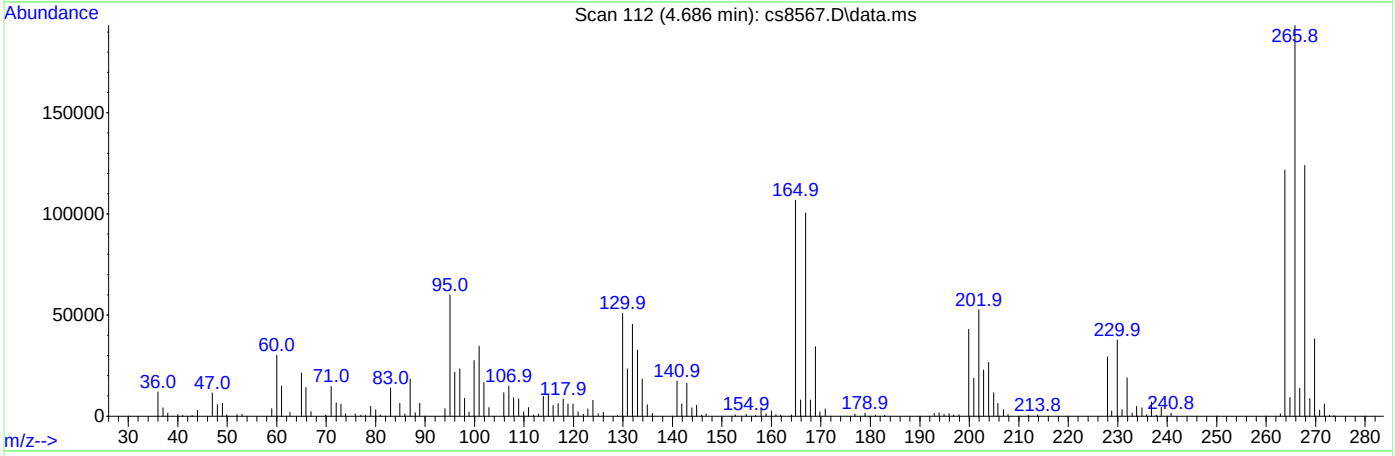
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
296.00	6993	326.90	463	365.00	3128	421.95	588
296.95	1049	331.90	117	365.95	444	423.00	4512
302.10	151	332.90	272	370.90	139	423.95	1587
303.05	908	333.95	1597	372.00	1340	425.00	250
303.95	252	334.95	266	372.90	284	441.00	13092
313.90	360	340.95	232	383.00	333	442.00	89987
314.95	755	345.95	466	390.00	115	443.00	17505
316.00	435	352.05	583	401.95	524	444.00	1923
320.95	240	353.05	371	402.95	660		
323.00	2723	353.80	102	404.00	151		
324.00	410	354.00	719	420.90	661		

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8567.D
Acq On : 17 Sep 2025 11:06 am
Operator : rocquans
Sample : dftpp
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Sep 17 11:26:29 2025
Quant Method : D:\MassHunter\GCMS\1\methods\dftppcs.m
Quant Title : Semi Volatile GC/MS, ZB-5 15m x .25mm x .25um
QLast Update : Fri Aug 22 14:22:30 2025
Response via : Initial Calibration





TIC: cs8567.D\data.ms

(1) Pentachlorophenol (t)

4.686min (-0.123) 0.00ppb

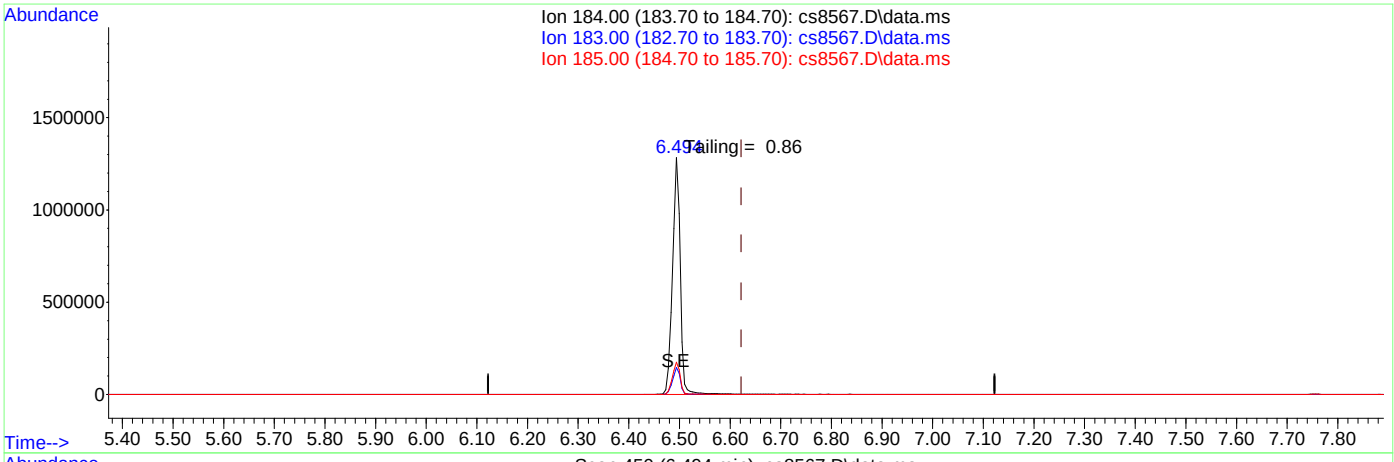
response 207089

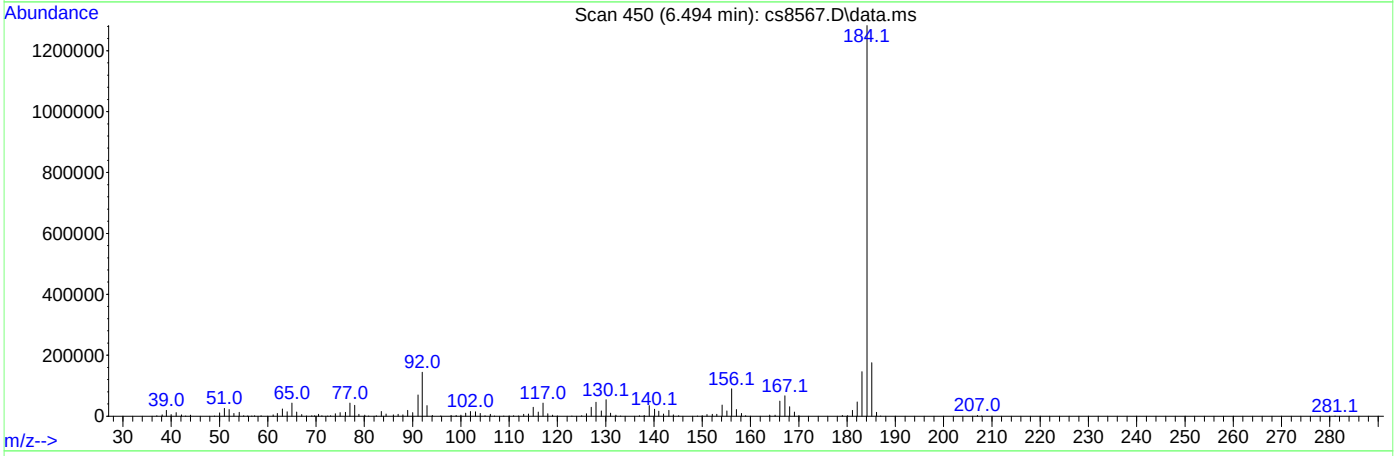
Ion	Exp%	Act%
265.80	100	100
263.80	63.90	62.97
267.80	62.80	64.14
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8567.D
Acq On : 17 Sep 2025 11:06 am
Operator : rocquans
Sample : dftpp
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Sep 17 11:26:29 2025
Quant Method : D:\MassHunter\GCMS\1\methods\dftppcs.m
Quant Title : Semi Volatile GC/MS, ZB-5 15m x .25mm x .25um
QLast Update : Fri Aug 22 14:22:30 2025
Response via : Initial Calibration





TIC: cs8567.D\data.ms

(2) Benzidine (t)

6.494min (-0.128) 0.00ppb

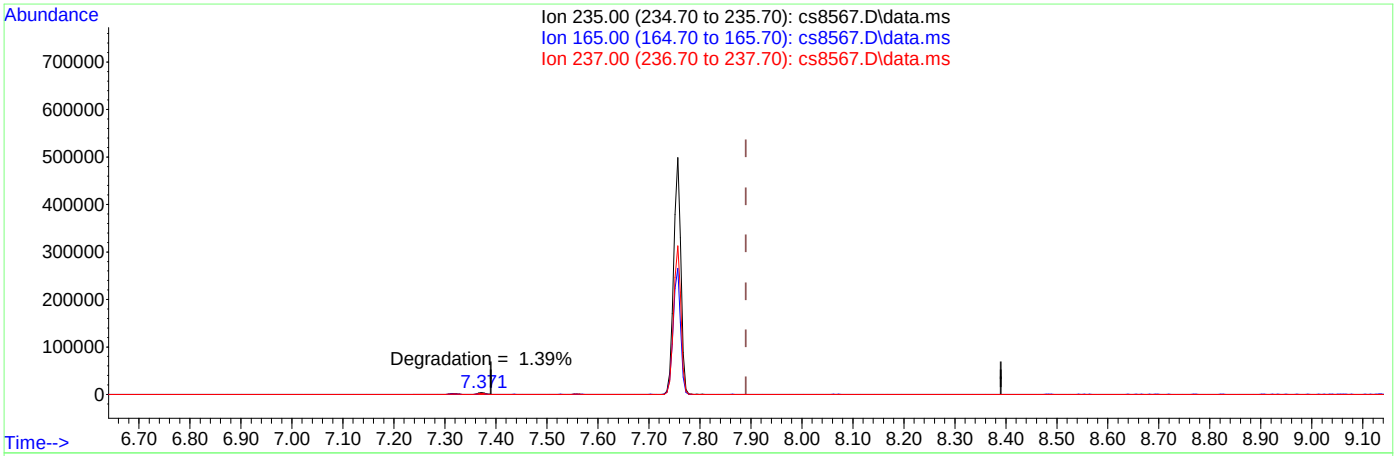
response 1381739

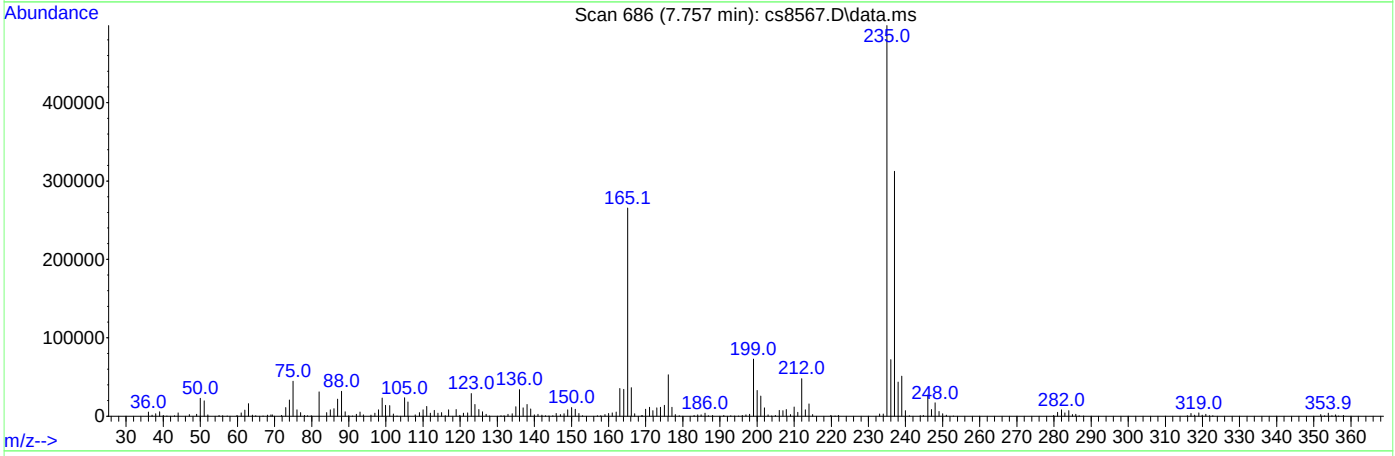
Ion	Exp%	Act%
184.00	100	100
183.00	11.30	11.37
185.00	13.80	13.68
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8567.D
Acq On : 17 Sep 2025 11:06 am
Operator : rocquans
Sample : dftpp
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Sep 17 11:26:29 2025
Quant Method : D:\MassHunter\GCMS\1\methods\dftppcs.m
Quant Title : Semi Volatile GC/MS, ZB-5 15m x .25mm x .25um
QLast Update : Fri Aug 22 14:22:30 2025
Response via : Initial Calibration





TIC: cs8567.D\data.ms

(3) PP-DDT (t)

7.757min (-0.134) 0.00ppb

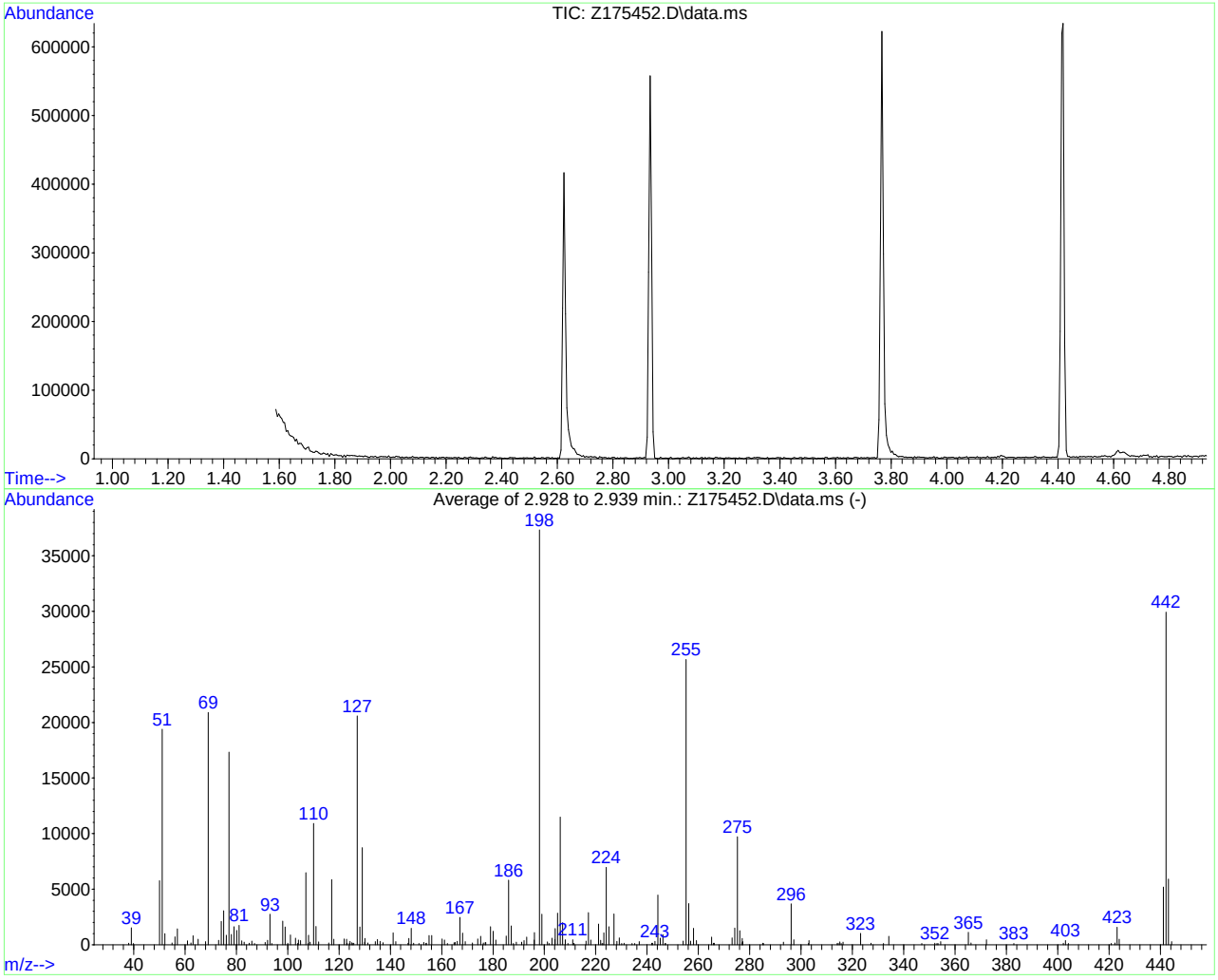
response 491482

Ion	Exp%	Act%
235.00	100	100
165.00	54.30	53.81
237.00	64.80	63.72
0.00	0.00	0.00

DFTPP

Data File : C:\msdchem\1\DATA\EZ8654\Z175452.D Vial: 1
Acq On : 10 Sep 2025 11:31 am Operator: rocquans
Sample : dftpp Inst : GCMSZ
Misc : op66828a,ez8654,250,,,1,1 Multiplr: 1.00
MS Integration Params: events.e

Method : C:\MSDCHEM\1\METHODS\DFTPPZ.M (ChemStation Integrator)
Title : column rtx-5msi 30mx0.25mmx0.25um



AutoFind: Scans 252, 253, 254; Background Corrected with Scan 248

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	52.0	19401	PASS
68	69	0.00	2	1.3	280	PASS
69	198	0.00	100	56.0	20904	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	55.2	20591	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	37320	PASS
199	198	5	9	7.4	2745	PASS
275	198	10	30	26.1	9725	PASS
365	198	1	100	3.0	1119	PASS
441	443	0.01	100	87.9	5183	PASS
442	198	40	100	80.2	29924	PASS
443	442	17	23	19.7	5894	PASS

Z175452.D DFTPPZ.M Wed Sep 10 16:19:48 2025

Average of 2.928 to 2.939 min.: Z175452.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
38.10	127	63.10	797	80.10	1281	98.05	2122
39.10	1514	65.15	493	81.10	1735	99.05	1591
39.90	110	68.00	280	82.10	349	100.00	131
50.10	5754	69.10	20904	83.00	231	101.05	870
51.10	19401	73.15	407	85.00	141	103.10	587
52.15	1000	74.10	2091	86.05	321	103.90	103
55.00	165	75.10	3063	87.10	105	104.20	419
56.10	710	76.15	854	91.20	207	105.05	365
57.00	1416	77.10	17328	92.15	384	107.10	6489
60.95	340	78.10	926	93.10	2754	107.90	120
62.30	161	79.10	1629	93.80	103	108.15	841

Average of 2.928 to 2.939 min.: Z175452.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
108.80	237	124.25	297	135.00	462	153.80	107
110.10	10920	125.00	181	136.05	304	154.00	123
111.05	1632	125.20	107	137.10	183	155.10	818
112.05	251	125.70	124	141.05	1069	156.10	818
116.00	158	127.10	20591	142.10	274	160.15	505
117.10	5849	128.10	1590	146.90	132	161.05	422
118.00	488	129.10	8731	147.15	571	162.20	106
122.00	505	130.00	233	148.10	1479	164.80	175
123.00	503	130.15	572	149.10	124	165.20	215
123.20	140	131.20	151	151.10	107	166.10	304
124.10	142	134.10	282	153.00	209	167.10	2458

Average of 2.928 to 2.939 min.: Z175452.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
168.10	1035	185.10	773	199.05	2745	211.05	448
169.15	271	186.10	5818	201.15	247	211.30	110
172.00	157	187.10	1701	201.80	106	211.60	103
174.05	526	187.90	110	203.00	592	216.20	332
175.20	752	189.10	232	204.10	460	217.15	2896
176.20	155	191.15	223	204.25	1458	218.10	428
176.90	171	192.10	372	205.15	2845	221.10	1869
177.10	207	193.15	688	206.15	11485	221.95	396
179.05	1611	196.00	431	207.15	1979	222.40	105
180.05	1211	196.15	1102	208.10	441	222.70	121
181.05	413	198.10	37320	209.20	111	223.20	1062

Average of 2.928 to 2.939 min.: Z175452.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
224.10	6957	242.10	126	258.10	1478	277.30	280
225.15	1609	243.05	292	259.20	378	285.00	138
227.15	2773	244.20	4479	265.15	692	285.30	106
228.25	293	245.10	586	265.90	125	293.10	236
229.15	605	246.15	902	266.20	124	296.15	3673
230.10	100	247.00	114	273.15	616	297.15	437
231.00	145	247.20	114	274.15	1505	302.90	114
234.20	103	254.00	331	275.15	9725	303.10	374
235.20	114	255.15	25660	276.10	1257	314.10	107
236.95	282	256.20	3709	276.90	172	314.50	128
241.80	122	257.00	318	277.10	555	315.05	261

Average of 2.928 to 2.939 min.: Z175452.D\data.ms
dftpp
Modified:subtracted

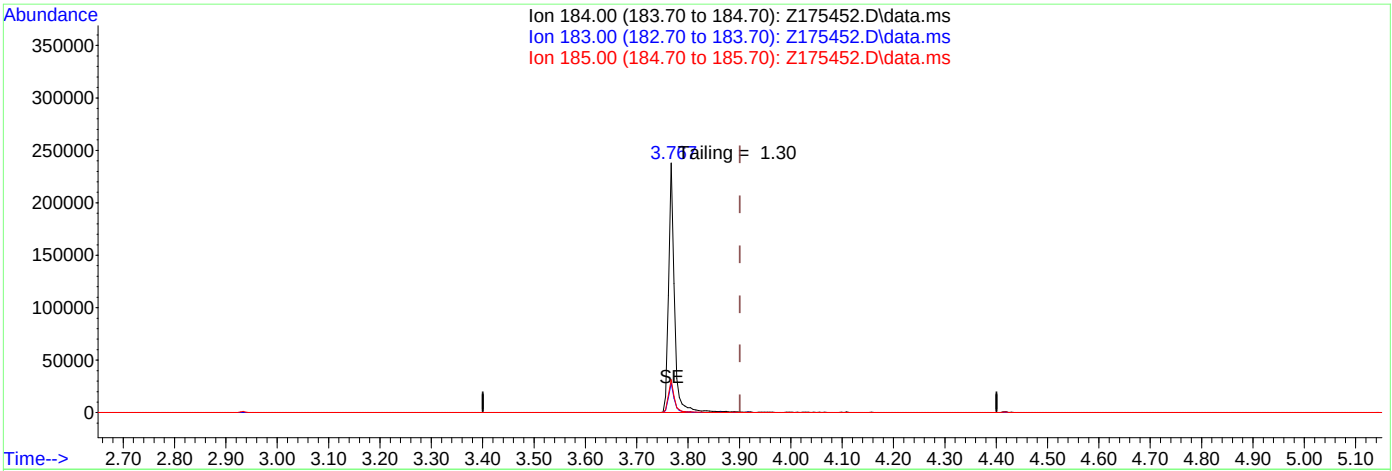
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
315.60	118	365.10	1119	441.10	5183		
316.30	219	366.20	159	442.10	29924		
323.15	1016	372.15	439	443.10	5894		
327.20	124	382.90	114	444.30	288		
332.10	102	402.10	132				
334.15	754	402.95	381				
347.00	110	404.10	114				
352.10	135	420.80	103				
352.90	120	422.20	160				
353.30	103	423.05	1567				
354.35	276	423.95	487				

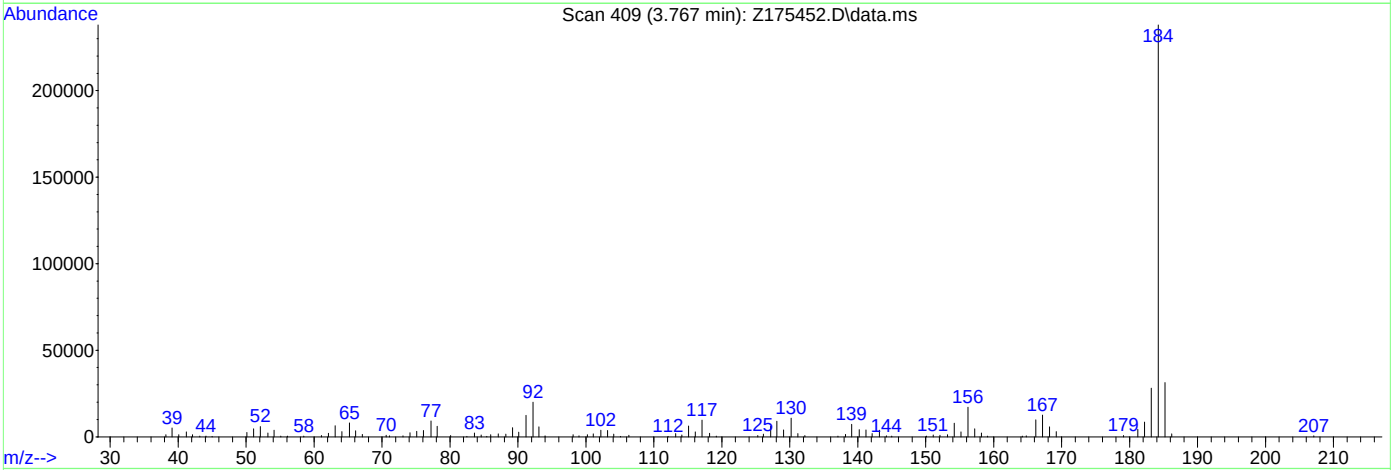
DFTPPZ.M Wed Sep 10 16:19:31 2025 Page: 0

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175452.D
Acq On : 10 Sep 2025 11:31 am
Operator : rocquans
Sample : dftpp
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 10 11:37:44 2025
Quant Method : C:\MSDCHEM\1\METHODS\DFTPPZ.M
Quant Title : column rtx-5msi 30mx0.25mmx0.25um
QLast Update : Wed Jan 15 15:14:36 2025
Response via : Initial Calibration





TIC: Z175452.D\data.ms

(2) Benzidine

3.767min (-0.134) 10.42 m

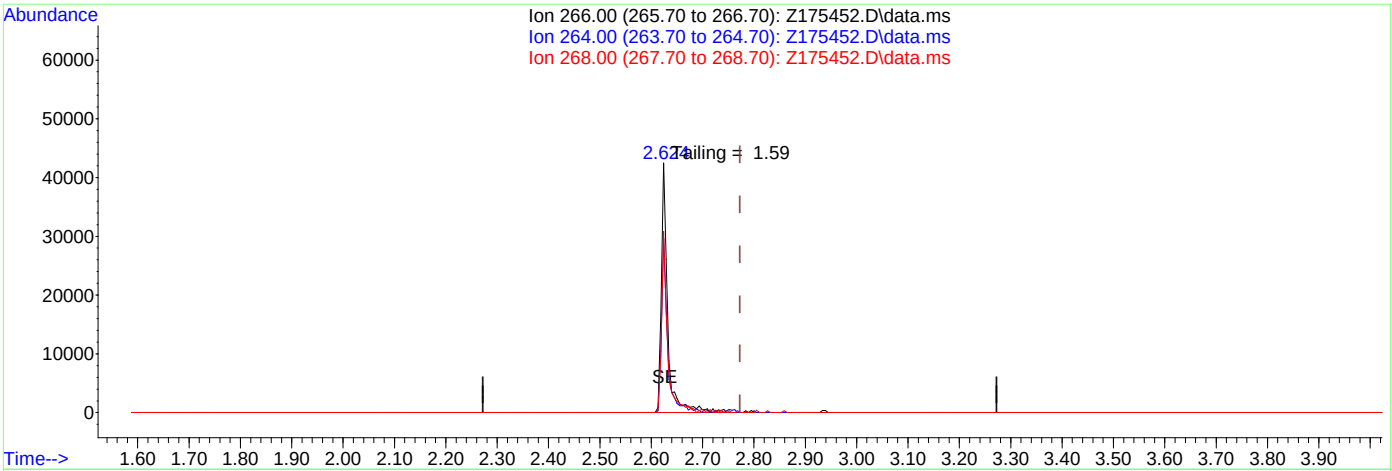
response 1880148

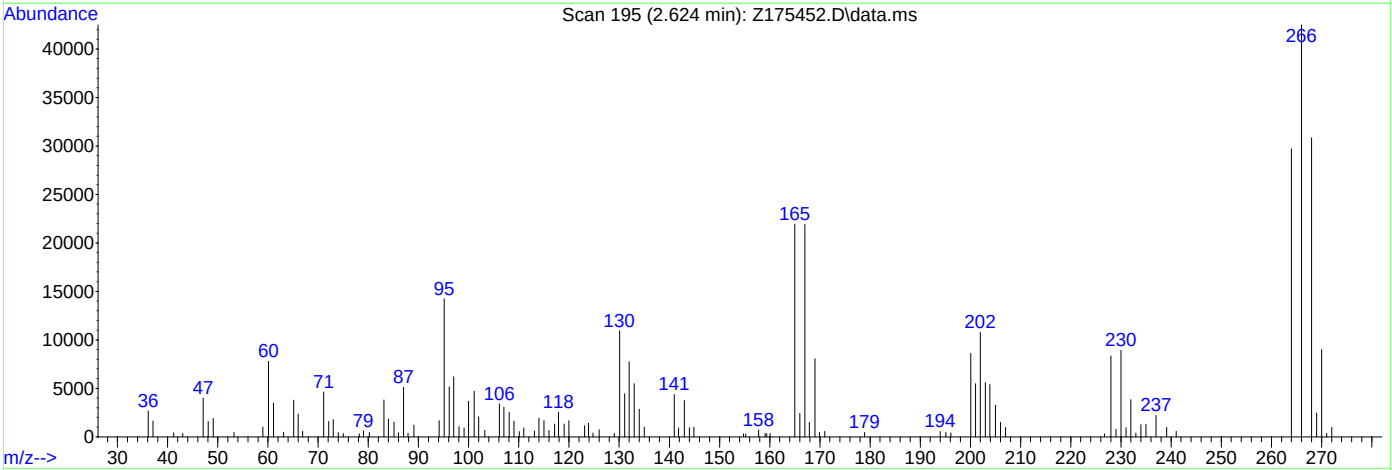
Ion	Exp%	Act%
184.00	100	100
183.00	12.40	0.00#
185.00	14.10	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175452.D
Acq On : 10 Sep 2025 11:31 am
Operator : rocquans
Sample : dftpp
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 10 11:37:44 2025
Quant Method : C:\MSDCHEM\1\METHODS\DFTPPZ.M
Quant Title : column rtx-5msi 30mx0.25mmx0.25um
QLast Update : Wed Jan 15 15:14:36 2025
Response via : Initial Calibration





TIC: Z175452.D\data.ms

(1) Pentachlorophenol

2.624min (-0.149) 12.10 m

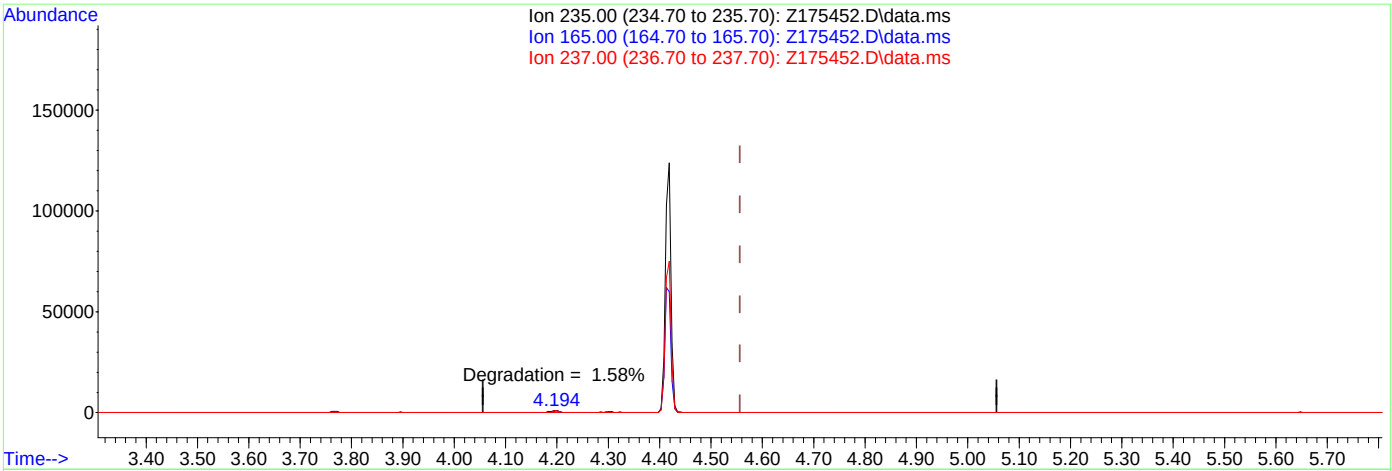
response 370953

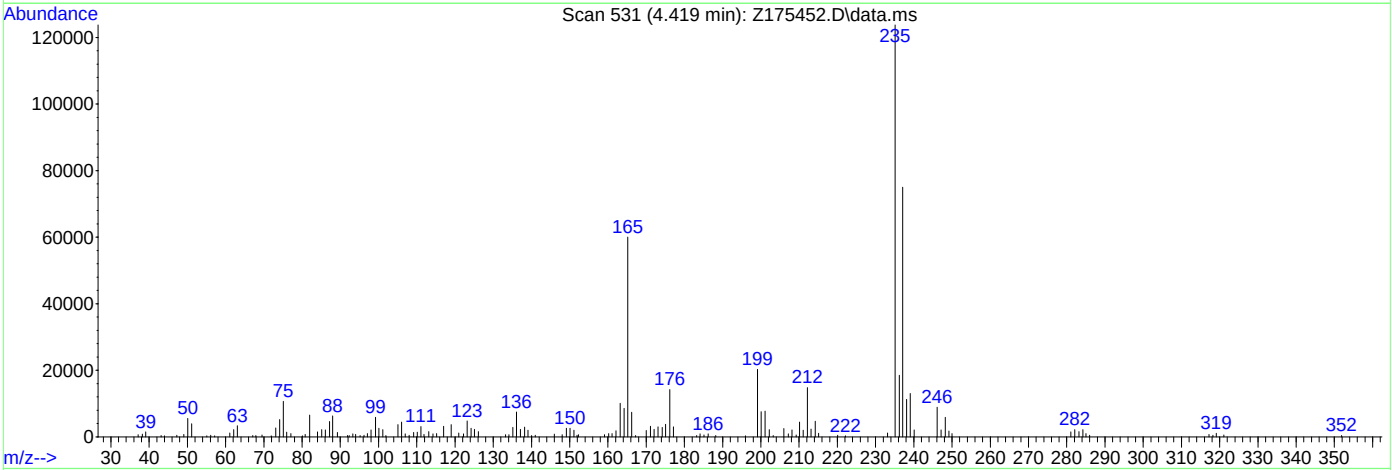
Ion	Exp%	Act%
266.00	100	100
264.00	66.20	0.00#
268.00	69.90	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175452.D
Acq On : 10 Sep 2025 11:31 am
Operator : rocquans
Sample : dftpp
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 10 11:37:44 2025
Quant Method : C:\MSDCHEM\1\METHODS\DFTPPZ.M
Quant Title : column rtx-5msi 30mx0.25mmx0.25um
QLast Update : Wed Jan 15 15:14:36 2025
Response via : Initial Calibration





TIC: Z175452.D\data.ms

(3) PP-DDT

4.419min (-0.137) 11.15 m

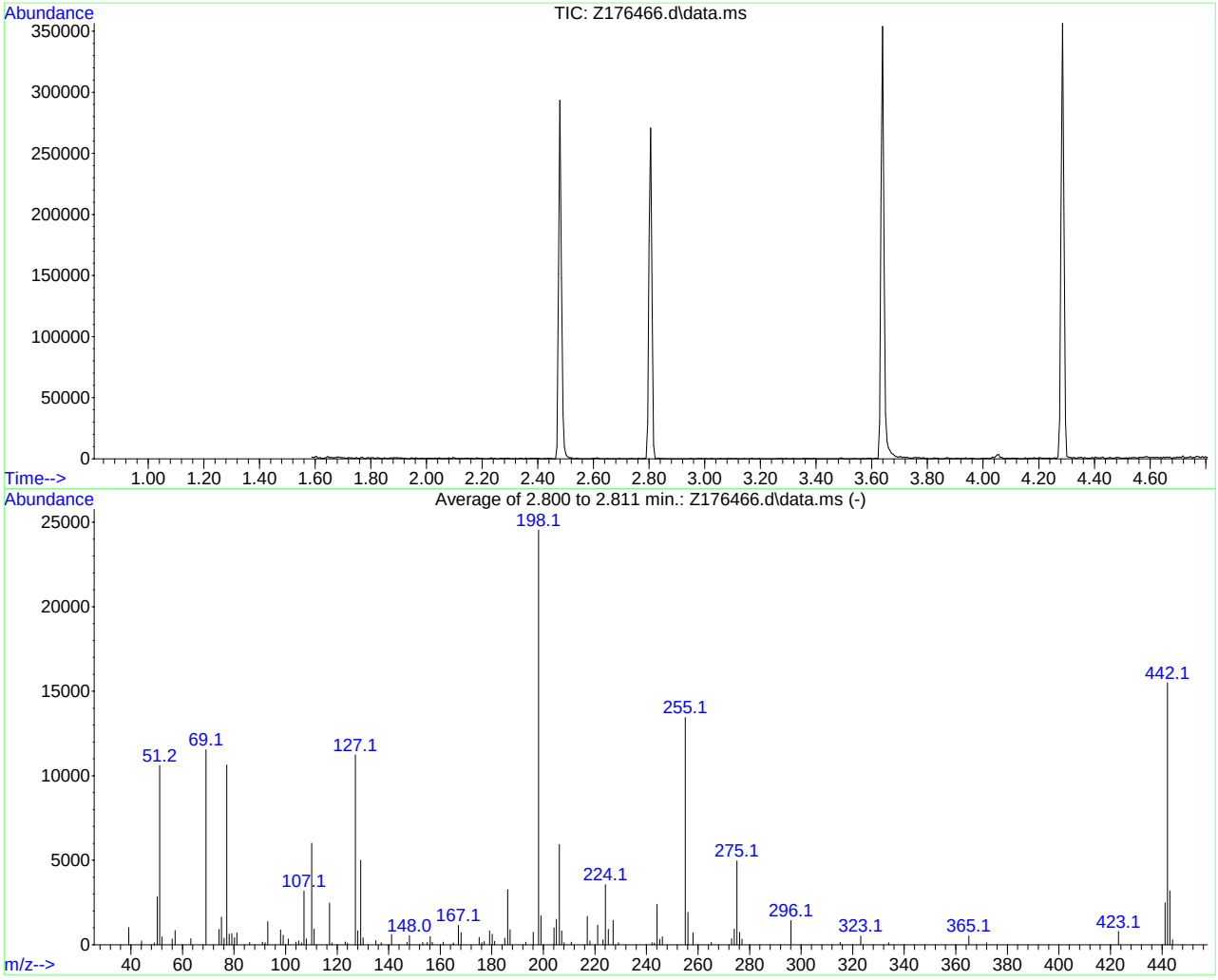
response 938805

Ion	Exp%	Act%
235.00	100	100
165.00	41.90	0.00#
237.00	63.40	0.00#
0.00	0.00	0.00

DFTPP

Data File : X:\Dayton SVOA GCMS\alodiab\EZ8690\Z176466.d Vial: 2
Acq On : 19 Oct 2025 11:41 am Operator: thomasl
Sample : dftpp Inst : GCMSZ
Misc : op68255a,ez8690,250,,,1,1 Multiplr: 1.00
MS Integration Params: events.e

Method : X:\Dayton SVOA G...Methods\dftppz.m (ChemStation Integrator)
Title : column rtx-5msi 30mx0.25mmx0.25um



AutoFind: Scans 228, 229, 230; Background Corrected with Scan 222

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	43.2	10610	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	47.0	11531	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	45.8	11238	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	24537	PASS
199	198	5	9	7.0	1712	PASS
275	198	10	30	20.2	4959	PASS
365	198	1	100	2.1	515	PASS
441	443	0.01	100	77.4	2475	PASS
442	198	40	100	63.2	15507	PASS
443	442	17	23	20.6	3197	PASS

Z176466.d dftppz.m Mon Oct 20 02:23:39 2025

Average of 2.800 to 2.811 min.: Z176466.d\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
39.20	1014	75.15	1626	98.10	871	118.00	108
44.10	208	76.15	385	99.10	562	123.10	171
49.10	107	77.15	10635	101.00	338	124.00	101
50.20	2843	78.15	629	104.00	143	127.10	11238
51.20	10610	79.15	651	105.10	231	128.05	820
52.10	467	80.15	423	106.20	106	129.10	4999
56.05	341	81.10	705	107.10	3166	130.05	396
57.10	846	86.10	133	108.10	343	135.05	244
63.20	350	91.00	143	110.10	6008	137.10	124
69.10	11531	92.10	114	111.10	922	141.15	610
74.15	908	93.10	1370	117.10	2458	147.10	142

Average of 2.800 to 2.811 min.: Z176466.d\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
148.00	524	177.10	186	204.10	998	225.15	901
153.20	134	179.10	809	205.10	1497	227.05	1449
155.00	127	180.15	623	206.15	5922	229.10	118
156.10	484	181.10	196	207.10	805	242.10	112
156.90	139	185.05	390	208.10	115	243.10	110
161.20	149	186.15	3245	210.80	150	244.15	2387
165.10	100	187.10	898	217.00	1681	245.15	326
167.05	1135	193.20	150	218.05	211	246.15	472
168.10	720	196.10	739	221.10	1163	255.10	13445
175.10	434	198.10	24537	223.10	295	256.10	1921
176.10	119	199.10	1712	224.10	3558	258.05	696

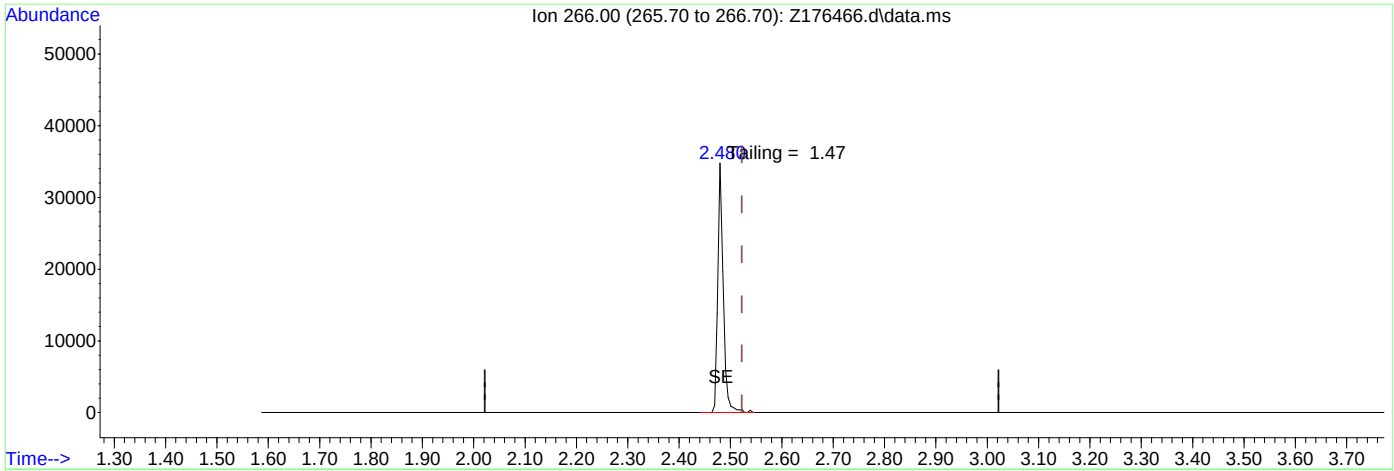
Average of 2.800 to 2.811 min.: Z176466.d\data.ms
dftpp
Modified:subtracted

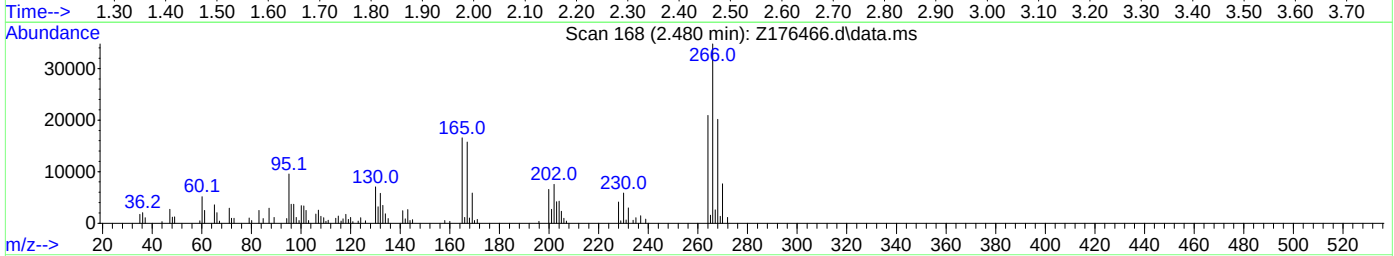
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
265.20	131	372.00	114				
273.05	356	423.10	787				
274.05	915	441.15	2475				
275.05	4959	442.10	15507				
276.10	731	443.05	3197				
277.05	316	444.05	299				
296.10	1426						
315.20	140						
323.10	506						
334.00	116						
365.05	515						

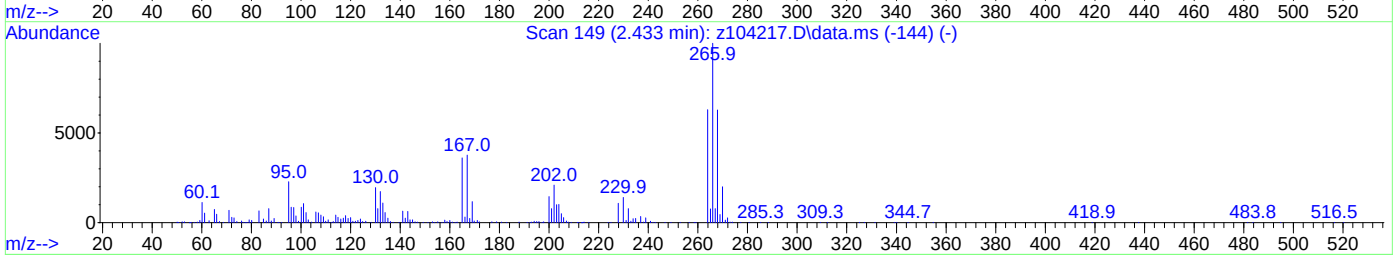
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\alodiab\EZ8690\
Data File : Z176466.d
Acq On : 19 Oct 2025 11:41 am
Operator : thomasl
Sample : dftpp Inst : GCMSZ
Misc : op68255a,ez8690,250,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 20 02:23:23 2025
Quant Method : X:\Dayton SVOA GCMS\alodiab\Methods\dftppz.m
Quant Title : column rtx-5msi 30mx0.25mmx0.25um
QLast Update : Thu Mar 07 17:34:20 2024
Response via : Initial Calibration







TIC: Z176466.d\data.ms

(1) Pentachlorophenol

2.482min (-0.040) 8.37

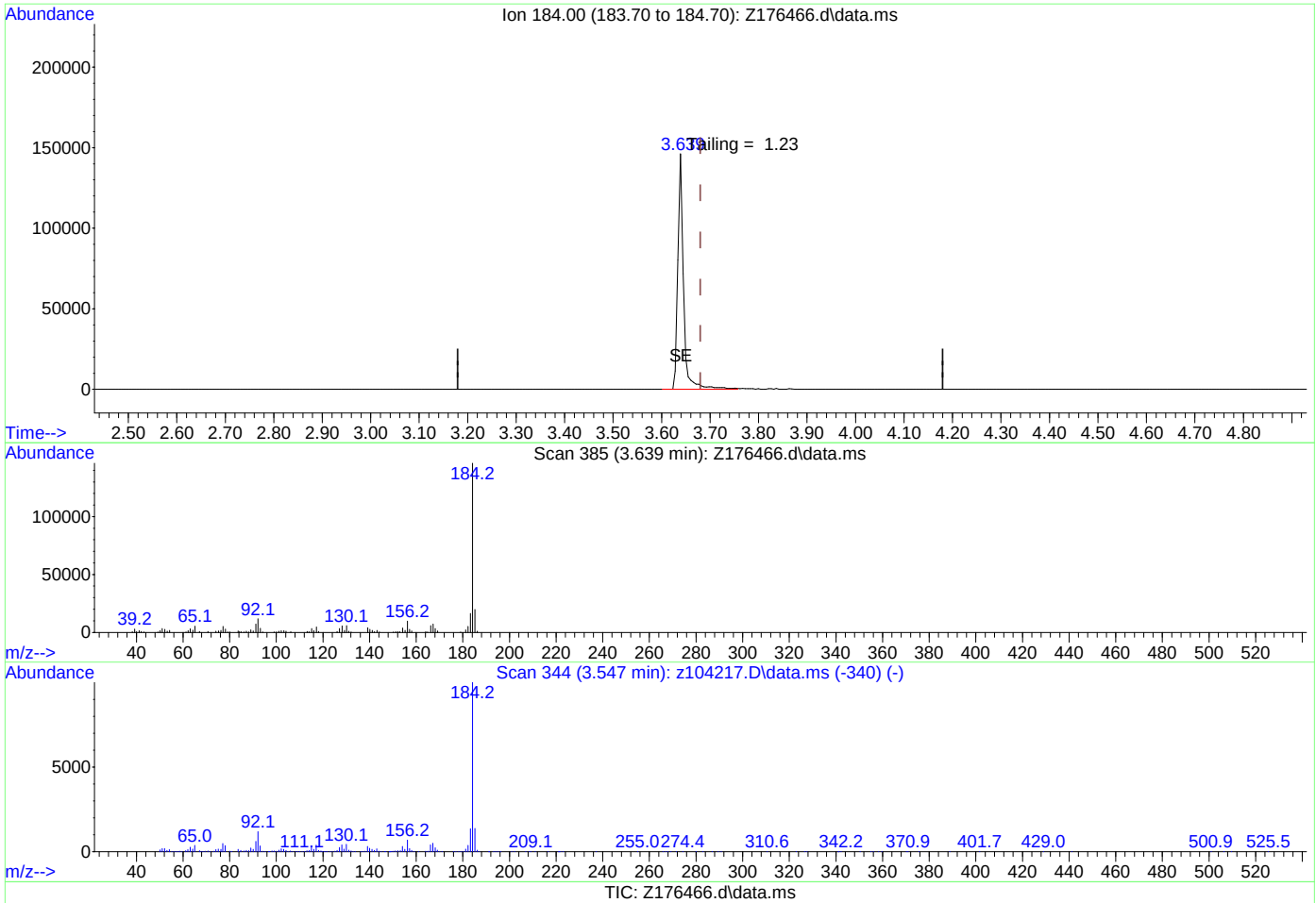
response 256696

Ion	Exp%	Act%
266.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\alodiab\EZ8690\
Data File : Z176466.d
Acq On : 19 Oct 2025 11:41 am
Operator : thomasl
Sample : dftpp Inst : GCMSZ
Misc : op68255a,ez8690,250,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 20 02:23:23 2025
Quant Method : X:\Dayton SVOA GCMS\alodiab\Methods\dftppz.m
Quant Title : column rtx-5msi 30mx0.25mmx0.25um
QLast Update : Thu Mar 07 17:34:20 2024
Response via : Initial Calibration



TIC: Z176466.d\data.ms

(2) Benzidine

3.641min (-0.039) 6.26

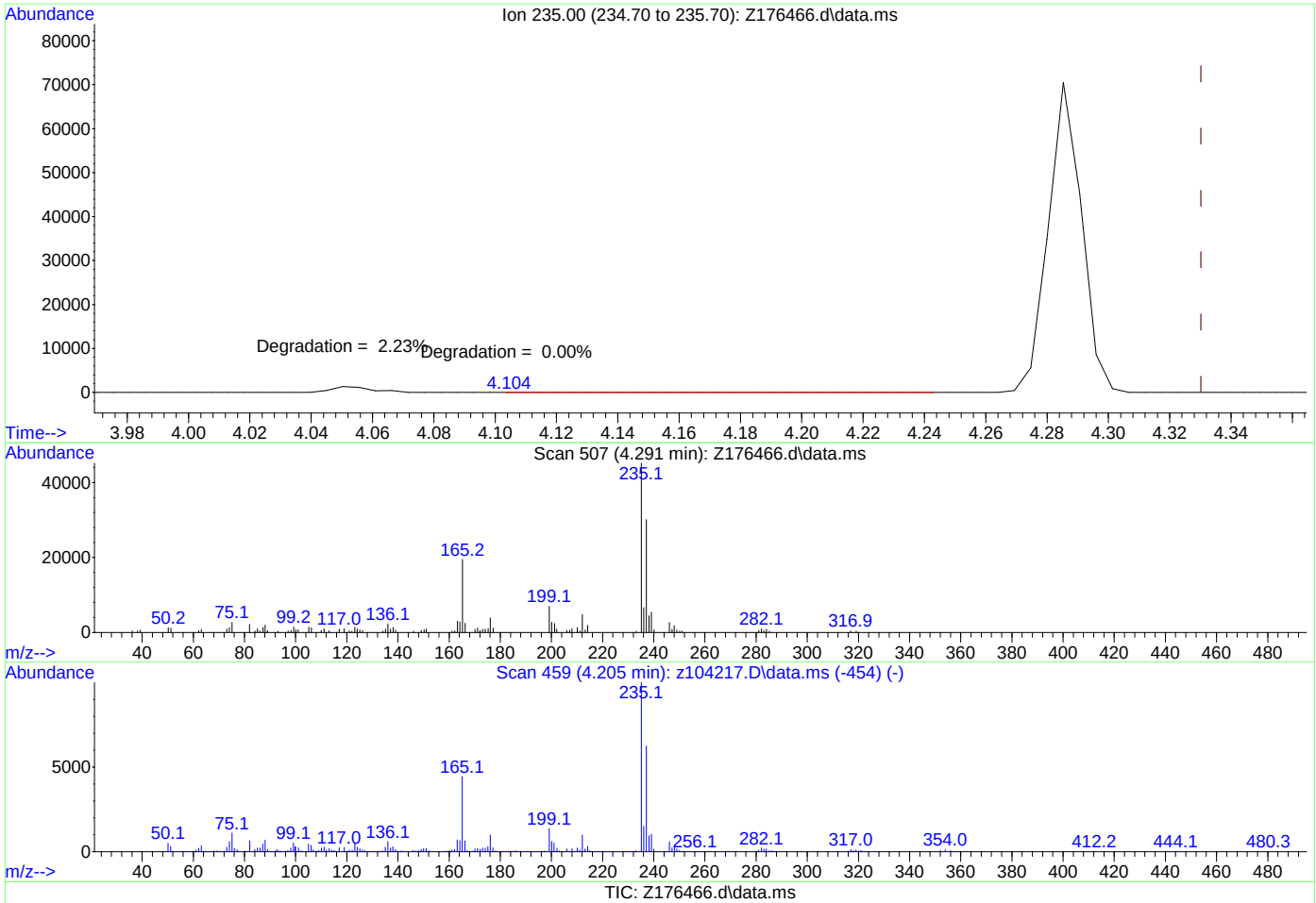
response 1129323

Ion	Exp%	Act%
184.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\alodiab\EZ8690\
Data File : Z176466.d
Acq On : 19 Oct 2025 11:41 am
Operator : thomasl
Sample : dftpp Inst : GCMSZ
Misc : op68255a,ez8690,250,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 20 02:23:23 2025
Quant Method : X:\Dayton SVOA GCMS\alodiab\Methods\dftppz.m
Quant Title : column rtx-5msi 30mx0.25mmx0.25um
QLast Update : Thu Mar 07 17:34:20 2024
Response via : Initial Calibration



TIC: Z176466.d\data.ms

(3) PP-DDT

4.288min (-0.042) 6.32

response 532223

Ion	Exp%	Act%
235.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Jon Kreigmor Mamanta 09/19/25 11:26

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143454.D
Acq On : 18 Sep 2025 4:55 pm
Operator : rocquans
Sample : ic6496-0.002
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 19 10:18:14 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 09:56:26 2025
Response via : Initial Calibration

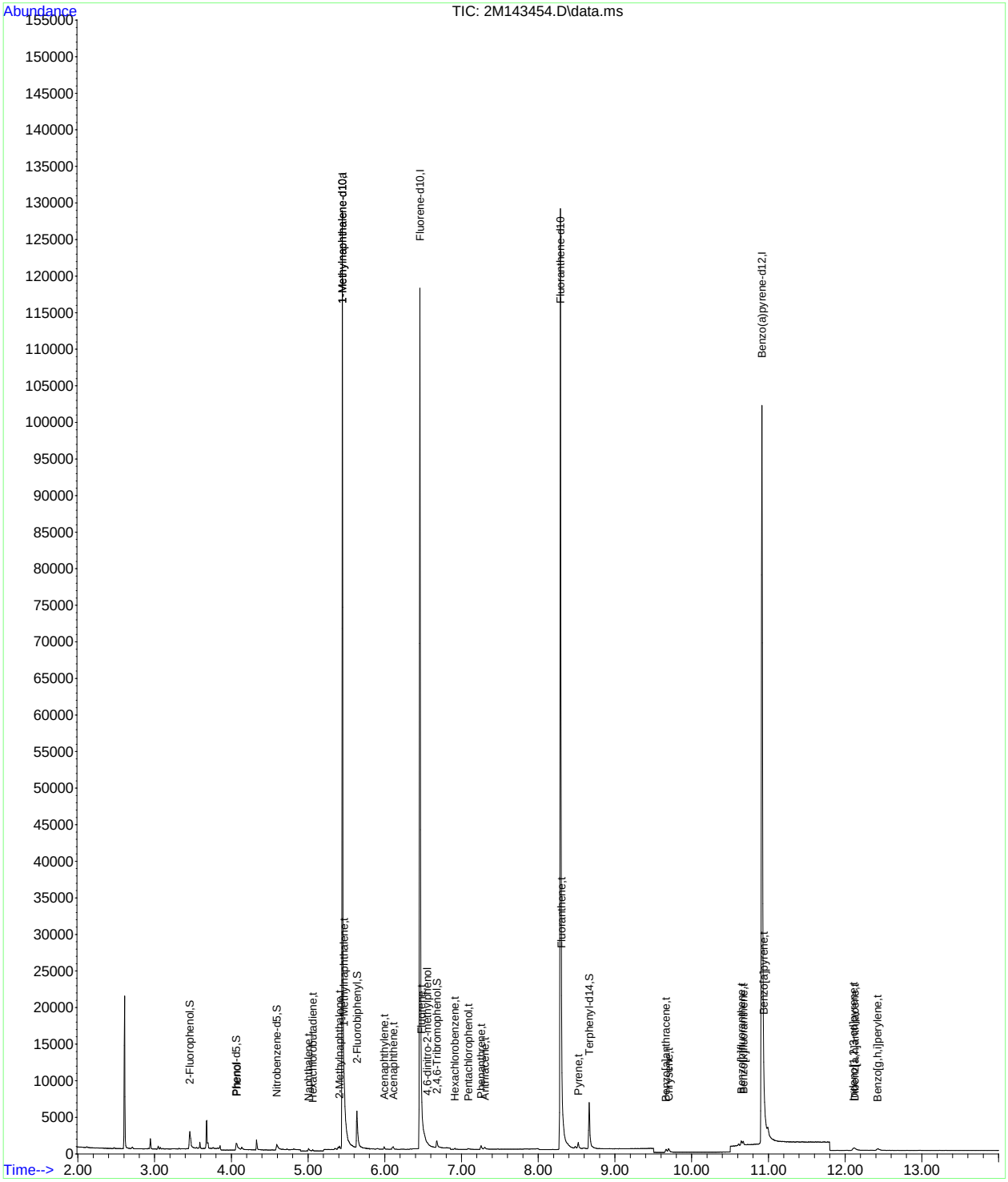
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	5.448	150	39977	800.00	ppb	0.01
12) Fluorene-d10	6.459	176	55090	800.00	ppb	0.01
19) Fluoranthene-d10	8.290	212	95798	800.00	ppb	0.00
29) Benzo(a)pyrene-d12	10.917	264	92917	800.00	ppb	0.02
36) 1-Methylnaphthalene-d10a	5.448	150	39977	800.00	ppb	0.01
System Monitoring Compounds						
3) 2-Fluorophenol	3.458	112	1284	39.67	ppb	0.02
Spiked Amount 10000.000			Recovery =	0.40%		
4) Phenol-d5	4.065	99	1128	30.60	ppb	0.02
Spiked Amount 10000.000			Recovery =	0.31%		
6) Nitrobenzene-d5	4.591	82	1038	30.08	ppb	0.02
Spiked Amount 10000.000			Recovery =	0.30%		
13) 2-Fluorobiphenyl	5.637	172	3726	41.68	ppb	0.02
Spiked Amount 10000.000			Recovery =	0.42%		
18) 2,4,6-Tribromophenol	6.680	330	485	39.03	ppb	0.03
Spiked Amount 10000.000			Recovery =	0.39%		
26) Terphenyl-d14	8.664	244	5364	52.76	ppb	0.00
Spiked Amount 10000.000			Recovery =	0.53%		
Target Compounds						Qvalue
5) Phenol	4.072	94	356	8.27	ppb	# 87
7) Naphthalene	5.007	128	325	2.80	ppb	100
8) Hexachlorobutadiene	5.062	225	42	2.01	ppb	87
9) 2-Methylnaphthalene	5.410	141	151	2.14	ppb	88
10) 1-Methylnaphthalene	5.469	141	142	1.98	ppb	87
14) Acenaphthylene	5.991	152	279m	2.74	ppb	
15) Acenaphthene	6.112	153	160m	1.81	ppb	
16) Fluorene	6.478	166	232	2.43	ppb	91
17) 4,6-dinitro-2-methylph...	6.554	198	64m	7.40	ppb	
20) Hexachlorobenzene	6.914	284	62m	1.90	ppb	
21) Pentachlorophenol	7.089	266	75	8.81	ppb	94
22) Phenanthrene	7.256	178	448	3.25	ppb	94
23) Anthracene	7.304	178	286	2.05	ppb	92
24) Fluoranthene	8.303	202	712	4.37	ppb	96
25) Pyrene	8.522	202	672	4.10	ppb	99
27) Benzo[a]anthracene	9.664	228	389	3.15	ppb	98
28) Chrysene	9.702	228	489	3.26	ppb	96
30) Benzo[b]fluoranthene	10.646	252	498m	3.30	ppb	
31) Benzo[k]fluoranthene	10.673	252	374m	2.15	ppb	
32) Benzo[a]pyrene	10.938	252	507	3.05	ppb	95
33) Indeno[1,2,3-cd]pyrene	12.109	276	516	2.30	ppb	95
34) Dibenz[a,h]anthracene	12.126	278	369	2.03	ppb	81
35) Benzo[g,h,i]perylene	12.423	276	447	2.45	ppb	100

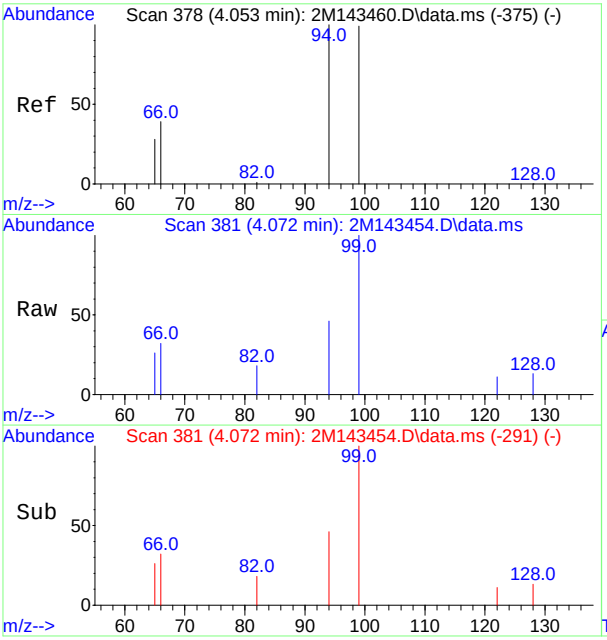
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143454.D
Acq On : 18 Sep 2025 4:55 pm
Operator : rocquans
Sample : ic6496-0.002
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 19 10:18:14 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 09:56:26 2025
Response via : Initial Calibration

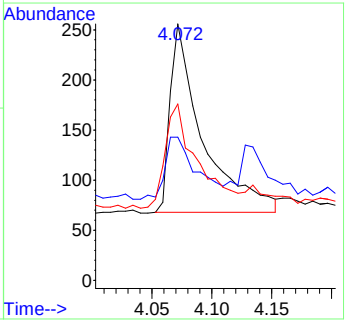


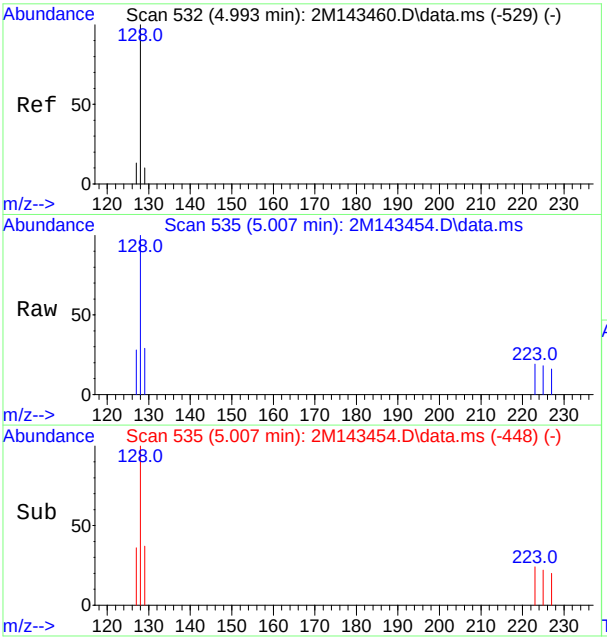


#5
Phenol
Concen: 8.27 ppb
RT: 4.072 min Scan# 381
Delta R.T. 0.019 min
Lab File: 2M143454.D
Acq: 18 Sep 2025 4:55 pm

Tgt Ion: 94 Resp: 356

Ion	Ratio	Lower	Upper
94	100		
65	28.4	22.2	33.2
66	51.5	31.2	46.8#

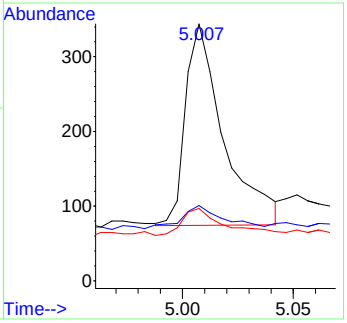


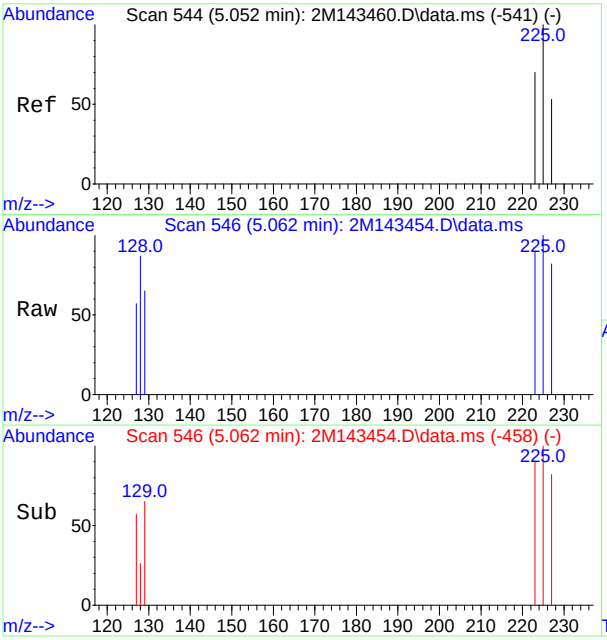


#7
Naphthalene
Concen: 2.80 ppb
RT: 5.007 min Scan# 535
Delta R.T. 0.015 min
Lab File: 2M143454.D
Acq: 18 Sep 2025 4:55 pm

Tgt Ion:128 Resp: 325

Ion	Ratio	Lower	Upper
128	100		
129	9.9	0.0	40.0
127	13.3	0.0	43.4

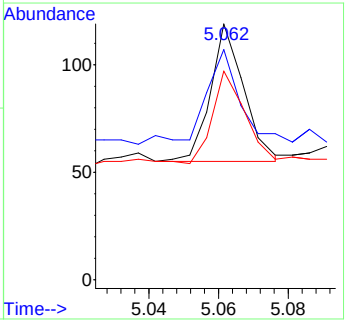


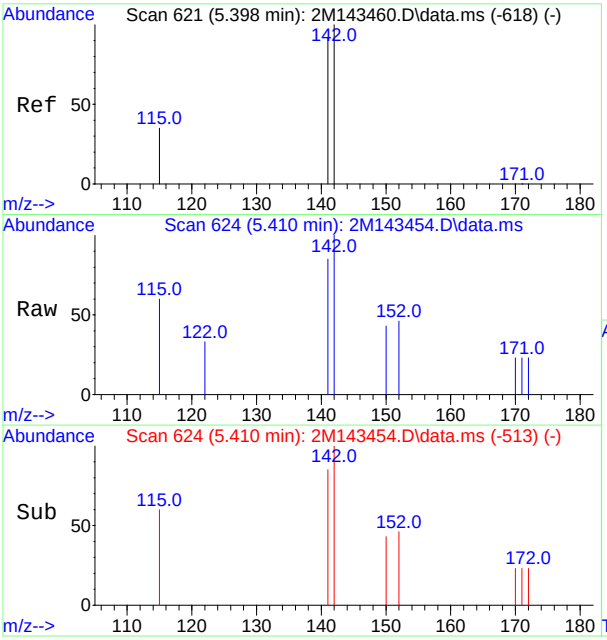


#8
Hexachlorobutadiene
Concen: 2.01 ppb
RT: 5.062 min Scan# 546
Delta R.T. 0.010 min
Lab File: 2M143454.D
Acq: 18 Sep 2025 4:55 pm

Tgt Ion:225 Resp: 42

Ion	Ratio	Lower	Upper
225	100		
223	63.2	40.1	100.1
227	66.4	23.2	83.2

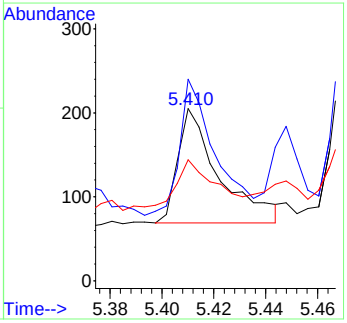


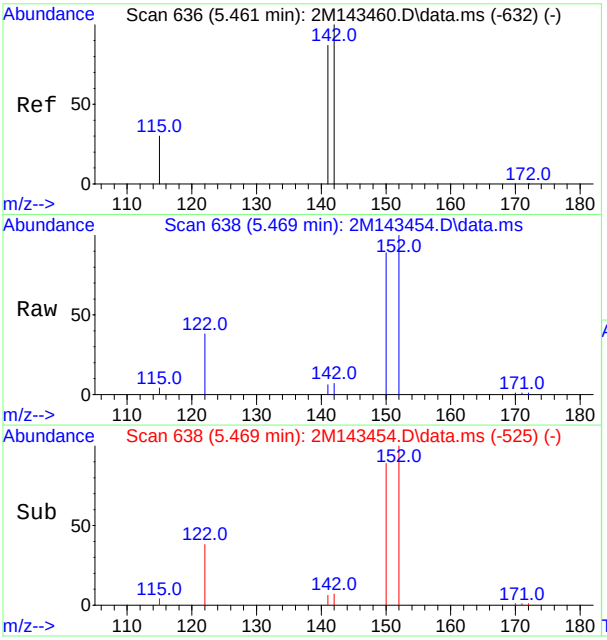


#9
2-Methylnaphthalene
Concen: 2.14 ppb
RT: 5.410 min Scan# 624
Delta R.T. 0.012 min
Lab File: 2M143454.D
Acq: 18 Sep 2025 4:55 pm

Tgt Ion:141 Resp: 151

Ion	Ratio	Lower	Upper
141	100		
142	95.2	79.2	139.2
115	33.2	8.0	68.0

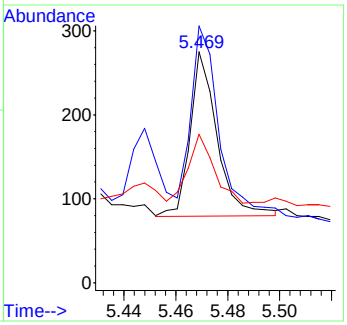


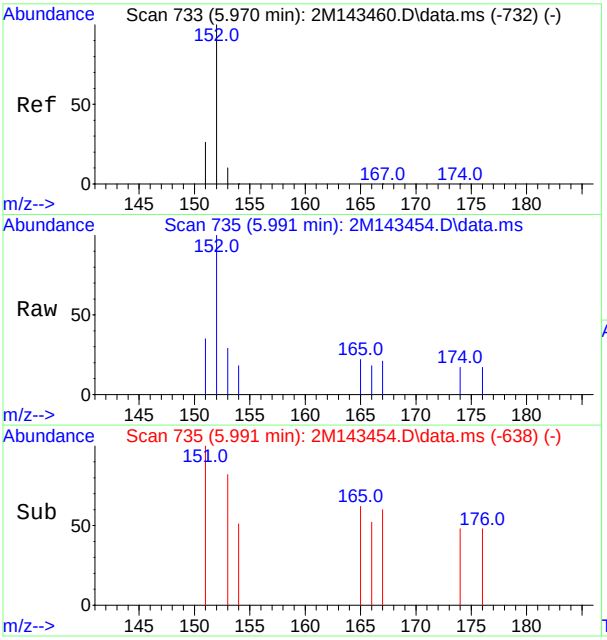


#10
1-Methylnaphthalene
Concen: 1.98 ppb
RT: 5.469 min Scan# 638
Delta R.T. 0.008 min
Lab File: 2M143454.D
Acq: 18 Sep 2025 4:55 pm

Tgt Ion:141 Resp: 142

Ion	Ratio	Lower	Upper
141	100		
142	98.4	85.6	145.6
115	37.2	4.2	64.2

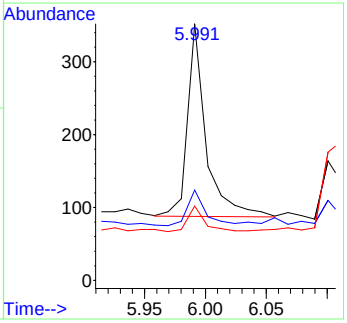


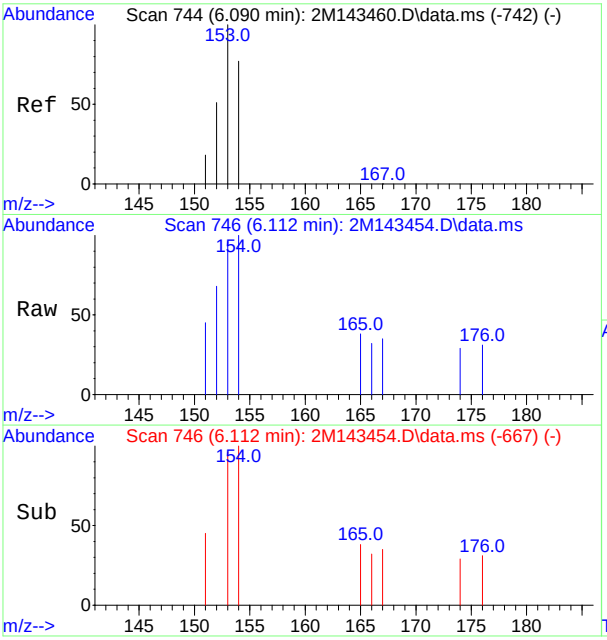


#14
Acenaphthylene
Concen: 2.74 ppb m
RT: 5.991 min Scan# 735
Delta R.T. 0.022 min
Lab File: 2M143454.D
Acq: 18 Sep 2025 4:55 pm

Tgt Ion:152 Resp: 279

Ion	Ratio	Lower	Upper
152	100		
151	35.2	0.0	55.9
153	29.0	0.0	39.6

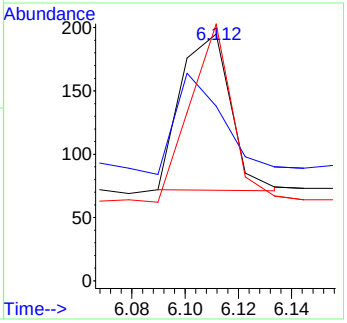


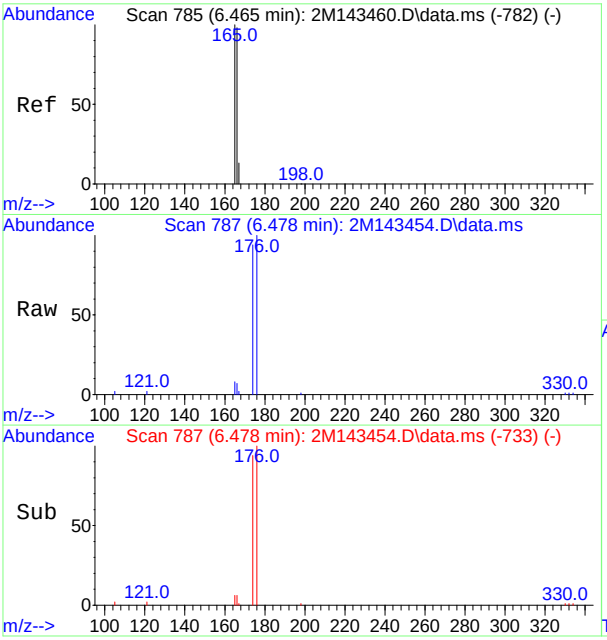


#15
Acenaphthene
Concen: 1.81 ppb m
RT: 6.112 min Scan# 746
Delta R.T. 0.022 min
Lab File: 2M143454.D
Acq: 18 Sep 2025 4:55 pm

Tgt Ion:153 Resp: 160

Ion	Ratio	Lower	Upper
153	100		
152	70.8	20.8	80.8
154	104.1	47.0	107.0

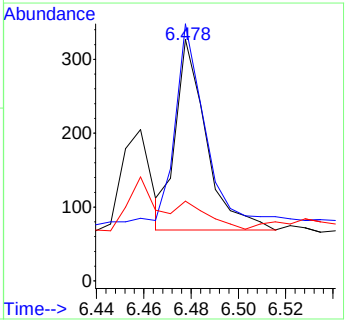


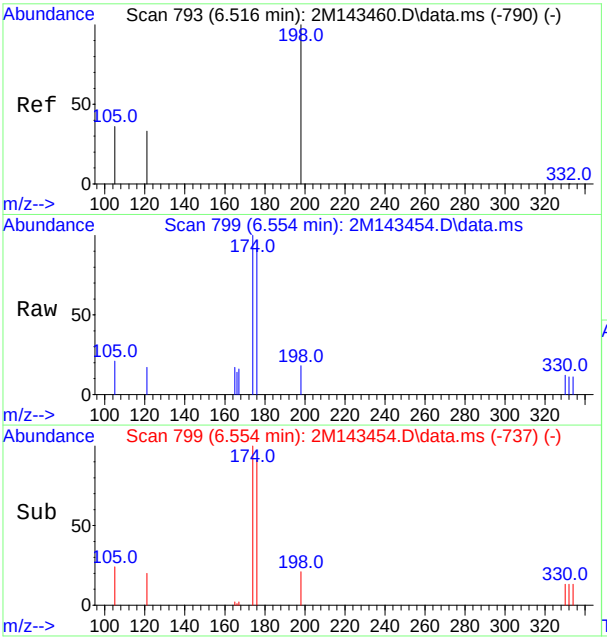


#16
Fluorene
Concen: 2.43 ppb
RT: 6.478 min Scan# 787
Delta R.T. 0.012 min
Lab File: 2M143454.D
Acq: 18 Sep 2025 4:55 pm

Tgt Ion:166 Resp: 232

Ion	Ratio	Lower	Upper
166	100		
165	111.4	72.1	132.1
167	8.5	0.0	43.0

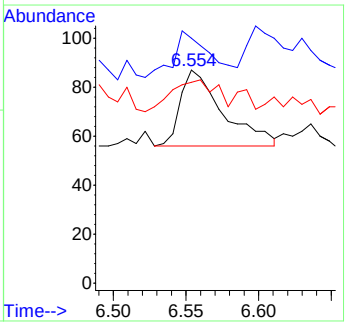


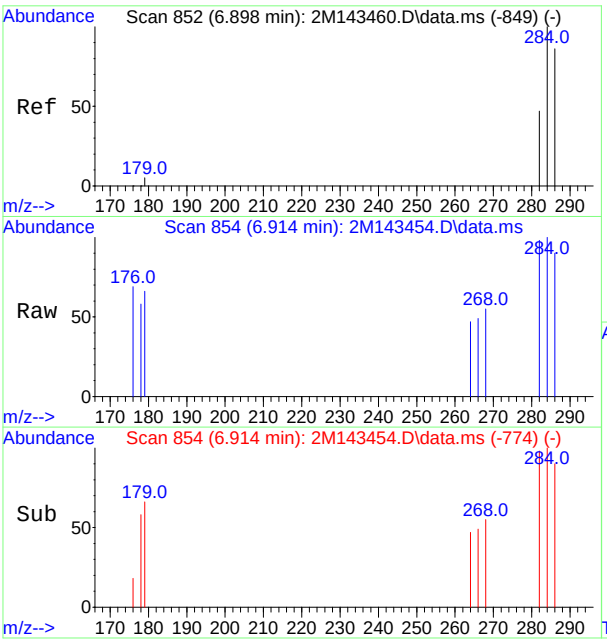


#17
4,6-dinitro-2-methylphenol
Concen: 7.40 ppb m
RT: 6.554 min Scan# 799
Delta R.T. 0.038 min
Lab File: 2M143454.D
Acq: 18 Sep 2025 4:55 pm

Tgt Ion:198 Resp: 64

Ion	Ratio	Lower	Upper
198	100		
105	114.9	14.9	54.9#
121	94.3	12.5	52.5#

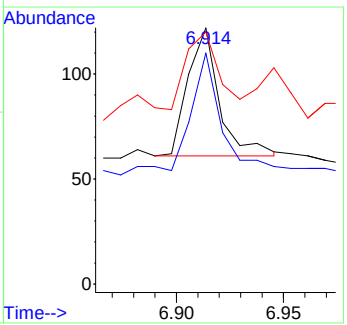


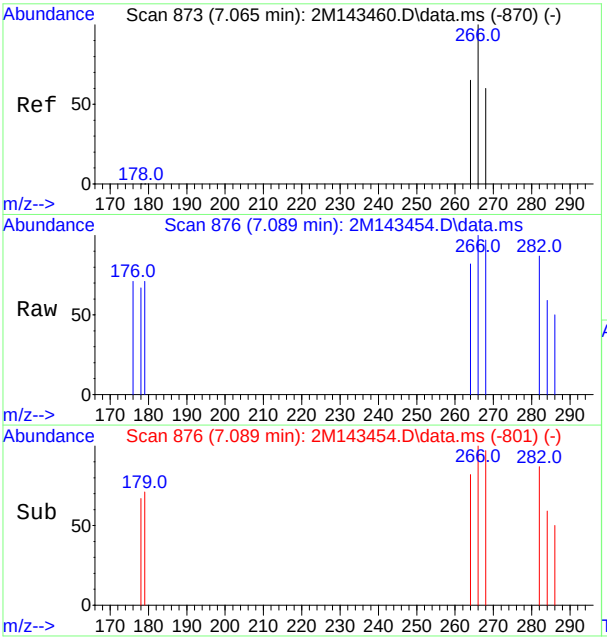


#20
Hexachlorobenzene
Concen: 1.90 ppb m
RT: 6.914 min Scan# 854
Delta R.T. 0.016 min
Lab File: 2M143454.D
Acq: 18 Sep 2025 4:55 pm

Tgt Ion:284 Resp: 62

Ion	Ratio	Lower	Upper
284	100		
286	90.2	55.8	115.8
282	98.4	17.4	77.4#

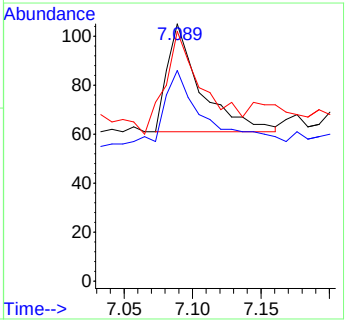


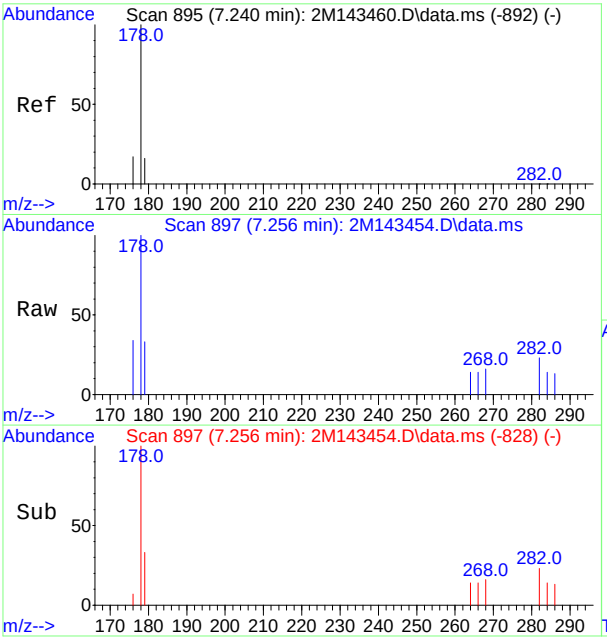


#21
Pentachlorophenol
Concen: 8.81 ppb
RT: 7.089 min Scan# 876
Delta R.T. 0.024 min
Lab File: 2M143454.D
Acq: 18 Sep 2025 4:55 pm

Tgt Ion:266 Resp: 75

Ion	Ratio	Lower	Upper
266	100		
264	65.1	35.4	95.4
268	68.6	30.0	90.0

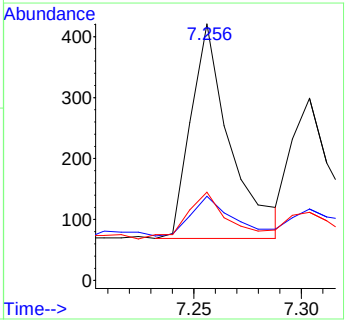


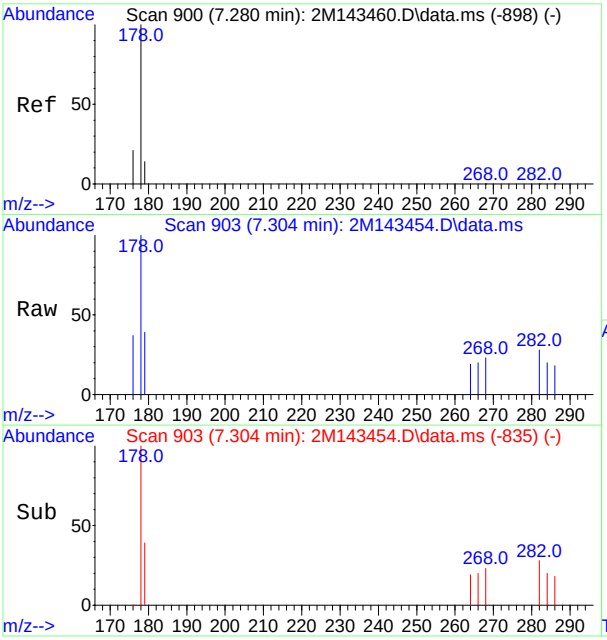


#22
Phenanthrene
Concen: 3.25 ppb
RT: 7.256 min Scan# 897
Delta R.T. 0.016 min
Lab File: 2M143454.D
Acq: 18 Sep 2025 4:55 pm

Tgt Ion:178 Resp: 448

Ion	Ratio	Lower	Upper
178	100		
179	18.2	0.0	46.1
176	20.2	0.0	47.1

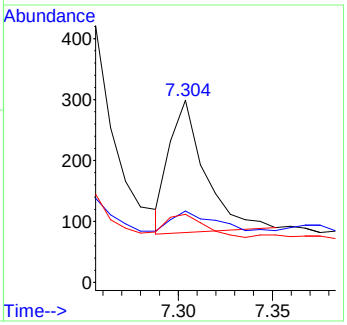


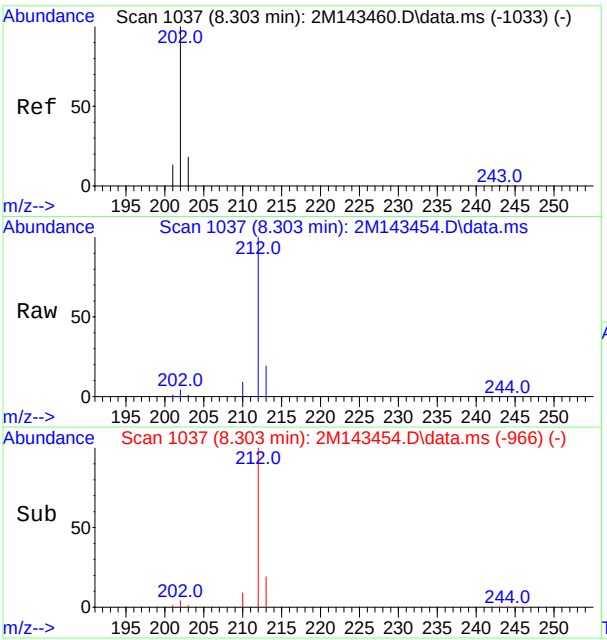


#23
Anthracene
Concen: 2.05 ppb
RT: 7.304 min Scan# 903
Delta R.T. 0.024 min
Lab File: 2M143454.D
Acq: 18 Sep 2025 4:55 pm

Tgt Ion:178 Resp: 286

Ion	Ratio	Lower	Upper
178	100		
179	16.8	0.0	44.2
176	16.2	0.0	50.7

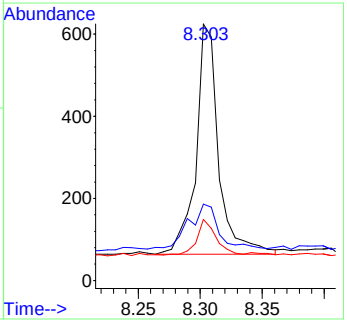


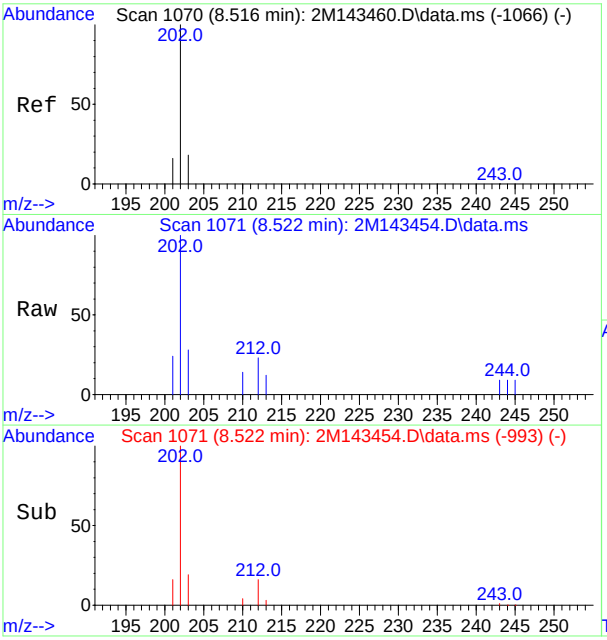


#24
Fluoranthene
Concen: 4.37 ppb
RT: 8.303 min Scan# 1037
Delta R.T. -0.000 min
Lab File: 2M143454.D
Acq: 18 Sep 2025 4:55 pm

Tgt Ion:202 Resp: 712

Ion	Ratio	Lower	Upper
202	100		
203	18.9	0.0	47.9
201	15.5	0.0	43.2

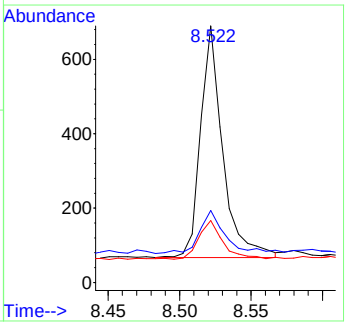


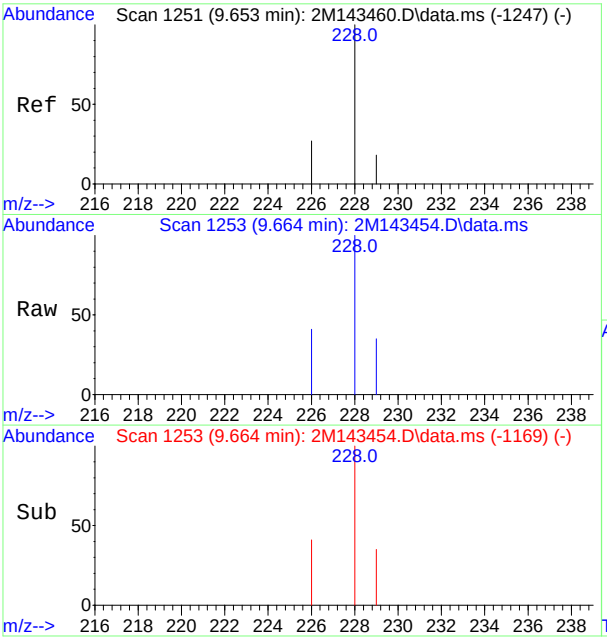


#25
Pyrene
Concen: 4.10 ppb
RT: 8.522 min Scan# 1071
Delta R.T. 0.006 min
Lab File: 2M143454.D
Acq: 18 Sep 2025 4:55 pm

Tgt Ion:202 Resp: 672

Ion	Ratio	Lower	Upper
202	100		
203	18.1	0.0	48.3
201	16.4	0.0	46.1

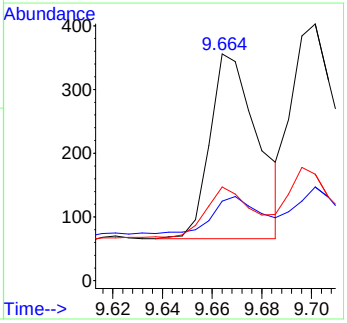


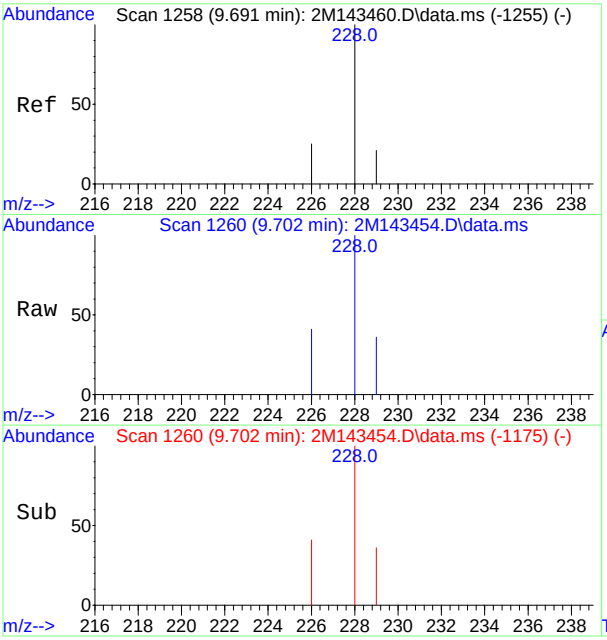


#27
Benzo[a]anthracene
Concen: 3.15 ppb
RT: 9.664 min Scan# 1253
Delta R.T. 0.010 min
Lab File: 2M143454.D
Acq: 18 Sep 2025 4:55 pm

Tgt Ion:228 Resp: 389

Ion	Ratio	Lower	Upper
228	100		
229	16.7	0.0	48.4
226	26.3	0.0	56.5

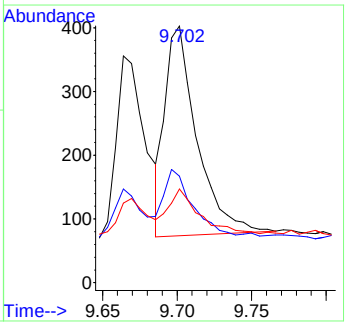


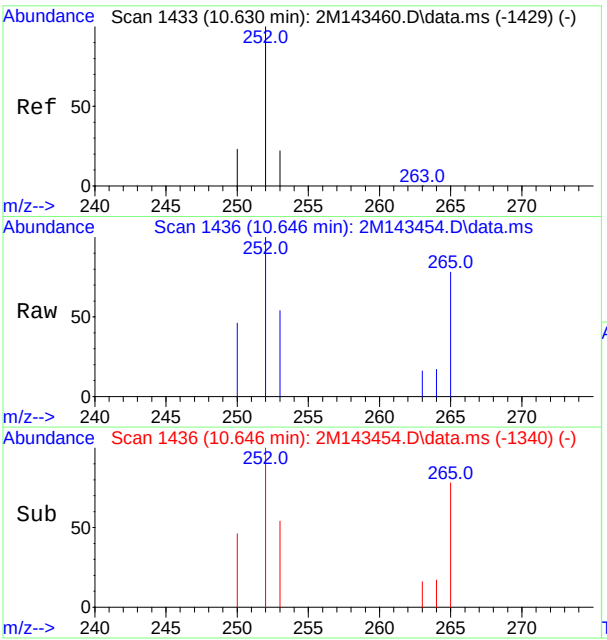


#28
Chrysene
Concen: 3.26 ppb
RT: 9.702 min Scan# 1260
Delta R.T. 0.011 min
Lab File: 2M143454.D
Acq: 18 Sep 2025 4:55 pm

Tgt Ion:228 Resp: 489

Ion	Ratio	Lower	Upper
228	100		
226	28.8	0.0	55.9
229	21.7	0.0	50.5

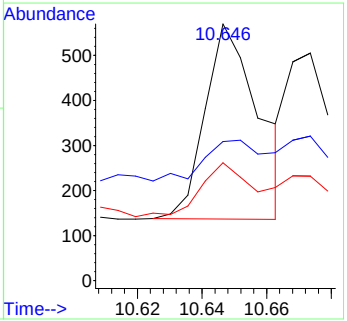


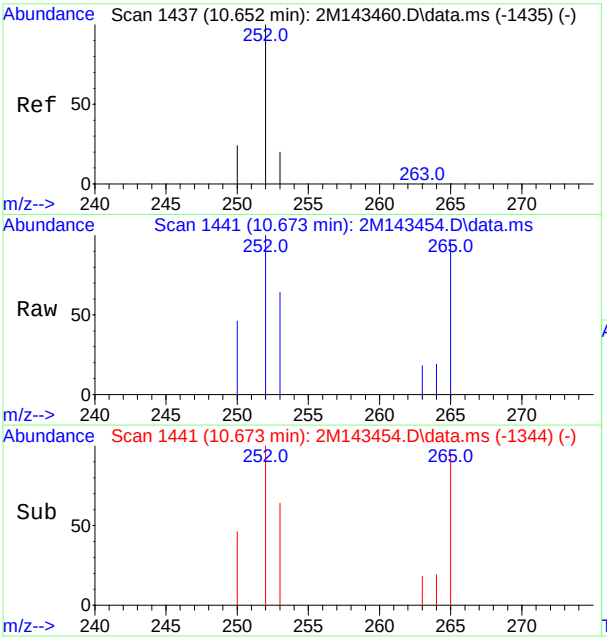


#30
Benzo[b]fluoranthene
Concen: 3.30 ppb m
RT: 10.646 min Scan# 1436
Delta R.T. 0.016 min
Lab File: 2M143454.D
Acq: 18 Sep 2025 4:55 pm

Tgt Ion:252 Resp: 498

Ion	Ratio	Lower	Upper
252	100		
253	54.2	0.0	52.3#
250	46.0	0.0	52.9

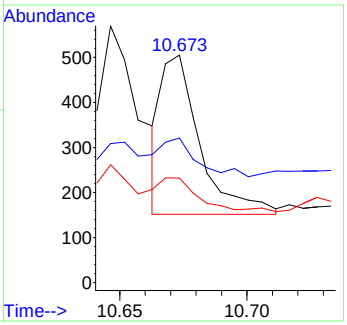


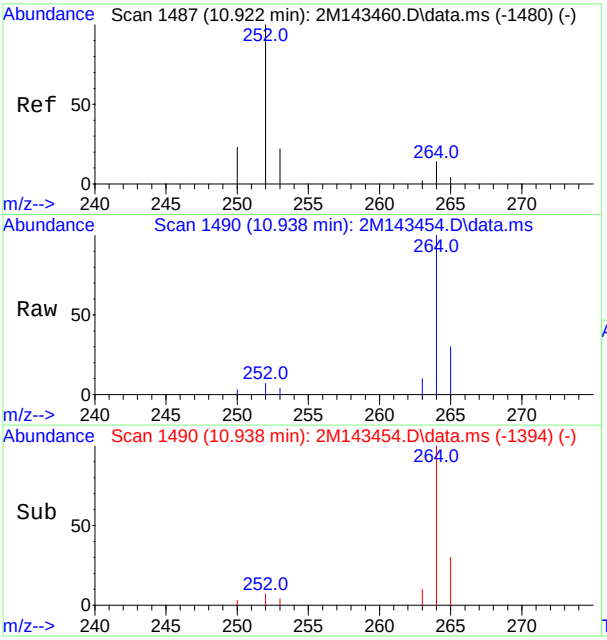


#31
Benzo[k]fluoranthene
Concen: 2.15 ppb m
RT: 10.673 min Scan# 1441
Delta R.T. 0.021 min
Lab File: 2M143454.D
Acq: 18 Sep 2025 4:55 pm

Tgt Ion:252 Resp: 374

Ion	Ratio	Lower	Upper
252	100		
253	63.6	0.0	51.6#
250	45.9	0.0	54.5

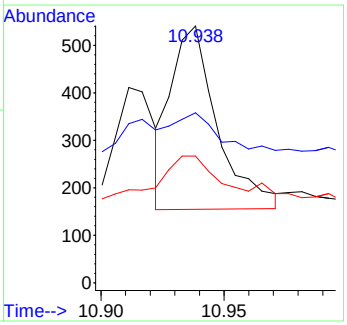


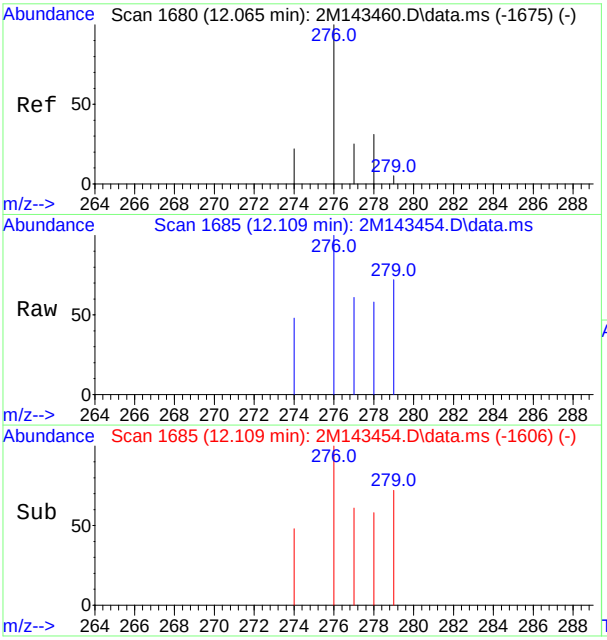


#32
Benzo[a]pyrene
Concen: 3.05 ppb
RT: 10.938 min Scan# 1490
Delta R.T. 0.016 min
Lab File: 2M143454.D
Acq: 18 Sep 2025 4:55 pm

Tgt Ion:252 Resp: 507

Ion	Ratio	Lower	Upper
252	100		
253	20.2	0.0	52.4
250	25.7	0.0	53.4

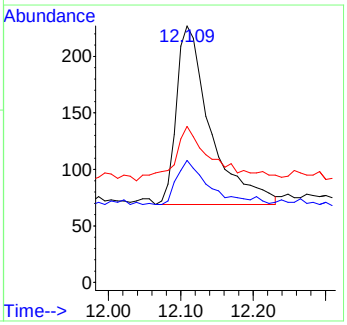


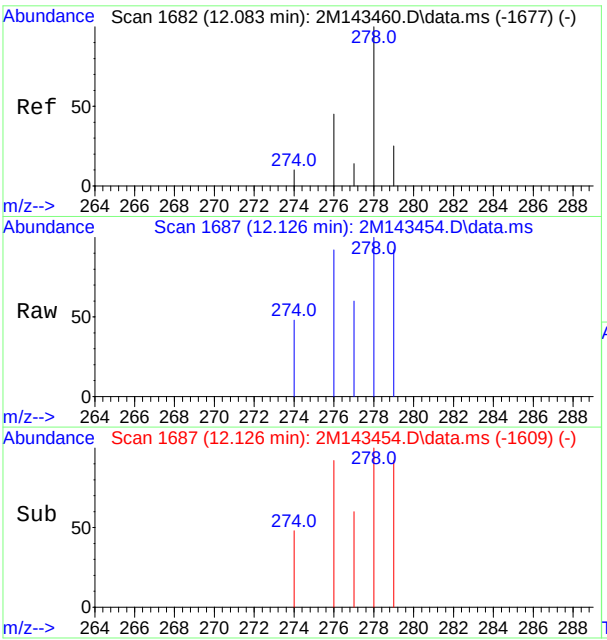


#33
Indeno[1,2,3-cd]pyrene
Concen: 2.30 ppb
RT: 12.109 min Scan# 1685
Delta R.T. 0.043 min
Lab File: 2M143454.D
Acq: 18 Sep 2025 4:55 pm

Tgt Ion:276 Resp: 516

Ion	Ratio	Lower	Upper
276	100		
274	24.6	0.0	52.2
277	27.2	0.0	54.9

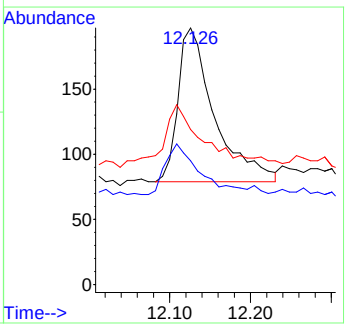


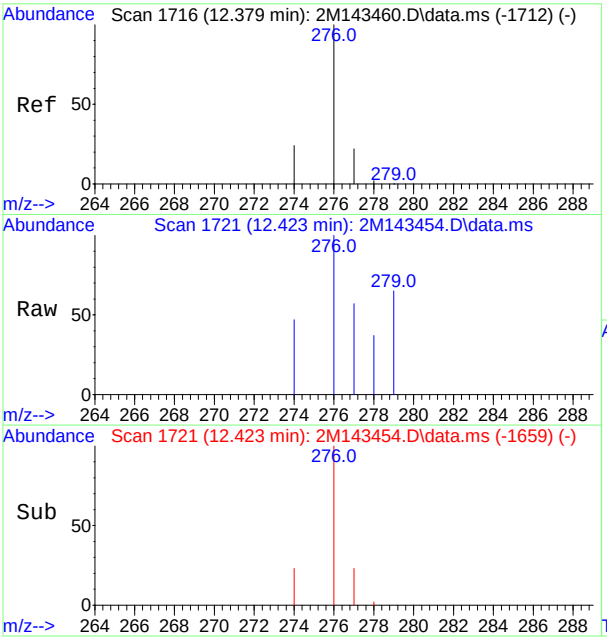


#34
Dibenz[a,h]anthracene
Concen: 2.03 ppb
RT: 12.126 min Scan# 1687
Delta R.T. 0.043 min
Lab File: 2M143454.D
Acq: 18 Sep 2025 4:55 pm

Tgt Ion:278 Resp: 369

Ion	Ratio	Lower	Upper
278	100		
274	20.5	0.0	40.7
277	19.2	0.0	44.0

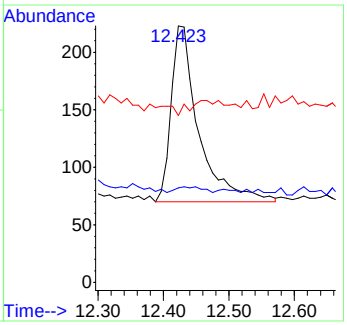




#35
Benzo[g,h,i]perylene
Concen: 2.45 ppb
RT: 12.423 min Scan# 1721
Delta R.T. 0.043 min
Lab File: 2M143454.D
Acq: 18 Sep 2025 4:55 pm

Tgt Ion:276 Resp: 447

Ion	Ratio	Lower	Upper
276	100		
278	2.3	0.0	32.2
279	0.0	0.0	30.1



Manual Integration Approval Summary

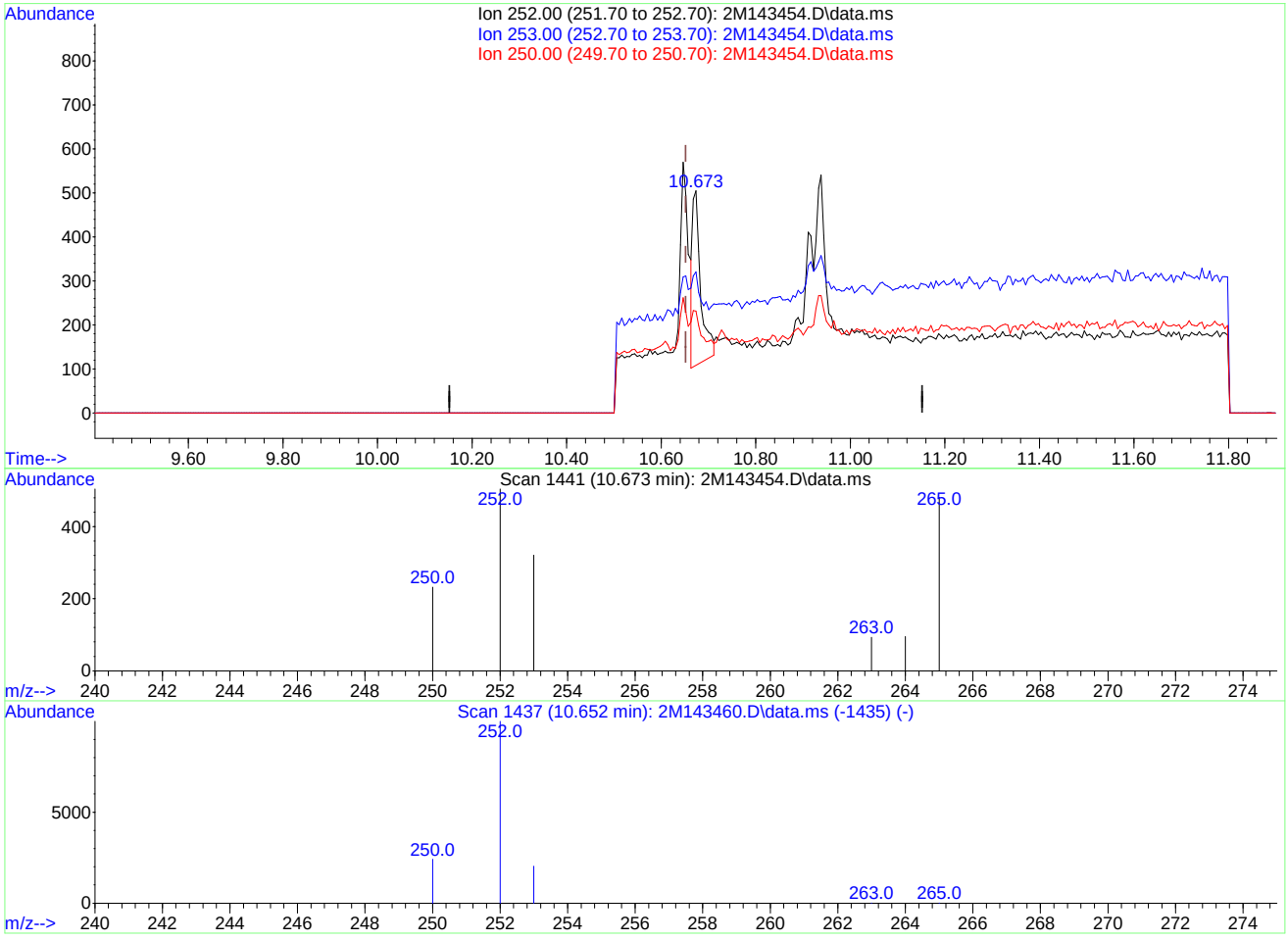
Sample Number: E2M6496-IC6496
Lab FileID: 2M143454.D
Injection Time: 09/18/25 16:55
Method: SW846 8270E BY SIM
Analyst approved: 09/19/25 10:52 Ying Li
Supervisor approved: 09/19/25 11:26 Jon Kreigmor Mamanta

Parameter	CAS	Sig#	R.T. (min.)	Reason
Acenaphthylene	208-96-8		5.99	Poor instrument integration
Acenaphthene	83-32-9		6.11	Poor instrument integration
4,6-Dinitro-o-cresol	534-52-1		6.55	Poor instrument integration
Hexachlorobenzene	118-74-1		6.91	Poor instrument integration
Benzo(b)fluoranthene	205-99-2		10.65	Poor instrument integration
Benzo(k)fluoranthene	207-08-9		10.67	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143454.D
Acq On : 18 Sep 2025 4:55 pm
Operator : rocquans
Sample : ic6496-0.002
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 19 10:15:27 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 09:56:26 2025
Response via : Initial Calibration



TIC: 2M143454.D\data.ms

(31) Benzo[k]fluoranthene (t)

10.673min (+0.021) 2.73ppb

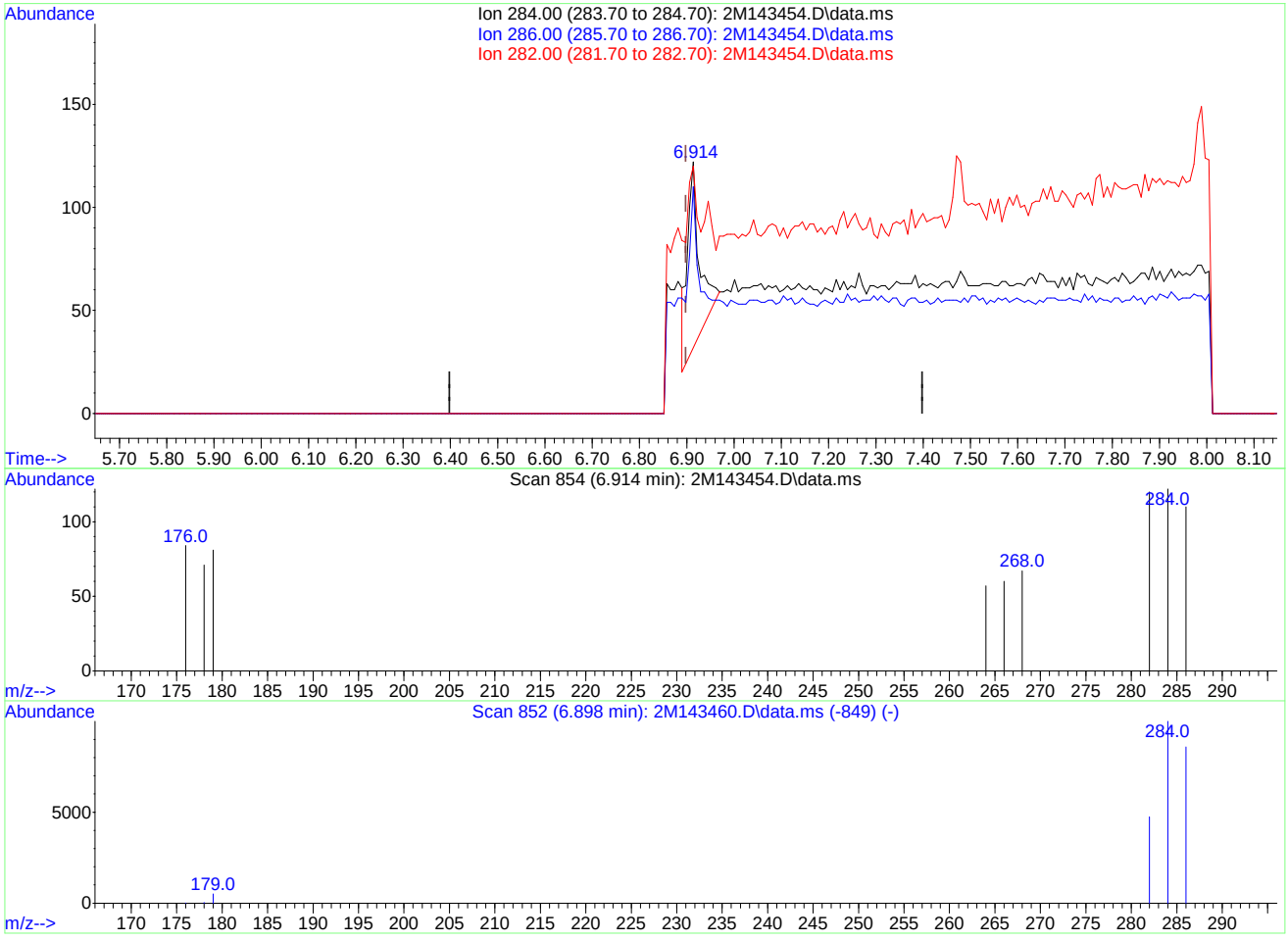
response 476

Ion	Exp%	Act%
252.00	100	100
253.00	21.60	22.09
250.00	24.50	19.88
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143454.D
Acq On : 18 Sep 2025 4:55 pm
Operator : rocquans
Sample : ic6496-0.002
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 19 10:15:27 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 09:56:26 2025
Response via : Initial Calibration



TIC: 2M143454.D\data.ms

(20) Hexachlorobenzene (t)

6.914min (+0.016) 5.03ppb

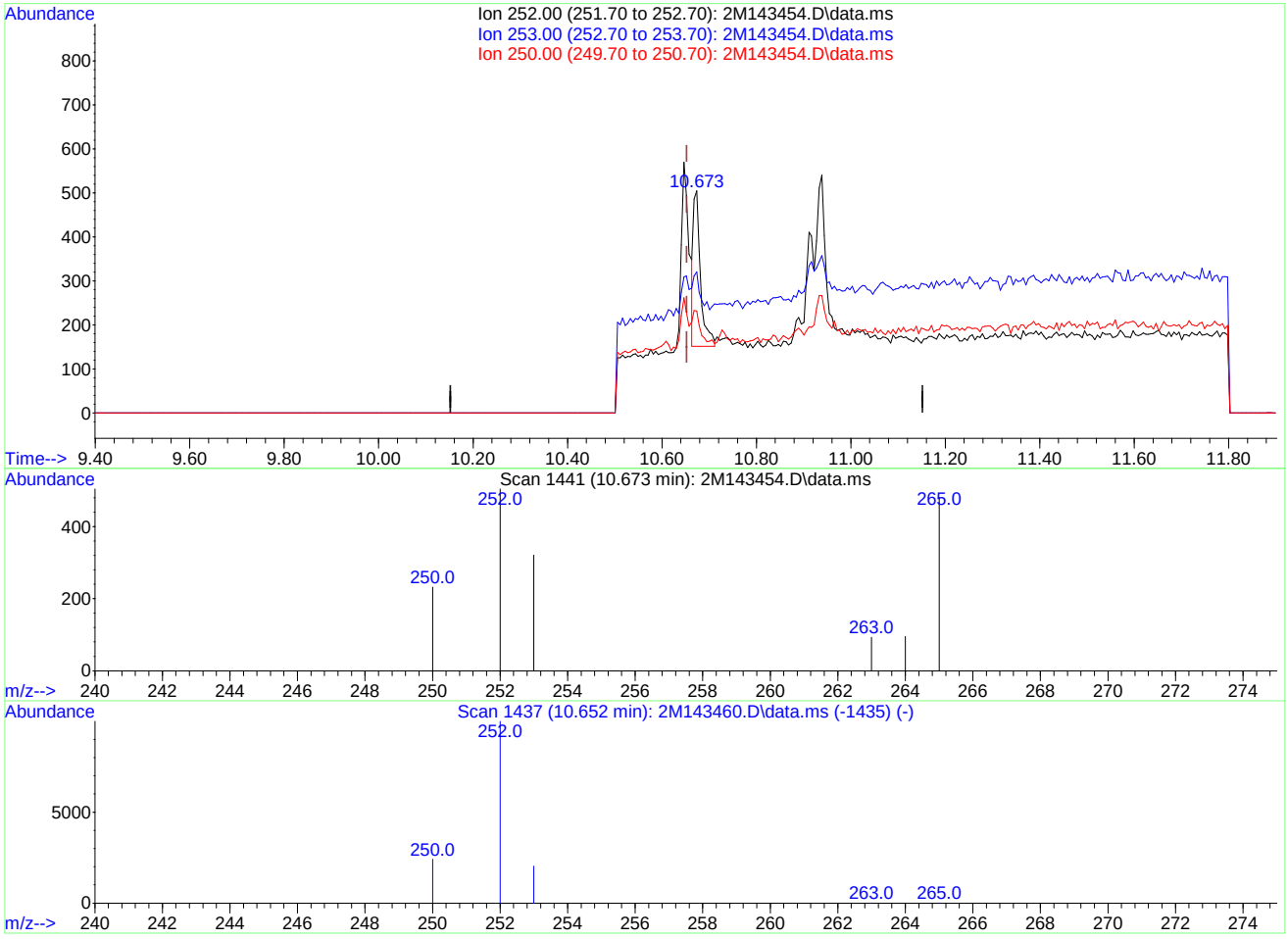
response 164

Ion	Exp%	Act%
284.00	100	100
286.00	85.80	87.90
282.00	47.40	56.45
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143454.D
Acq On : 18 Sep 2025 4:55 pm
Operator : rocquans
Sample : ic6496-0.002
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 19 10:15:27 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 09:56:26 2025
Response via : Initial Calibration



TIC: 2M143454.D\data.ms

(31) Benzo[k]fluoranthene (t)

10.673min (+0.021) 2.15ppb m

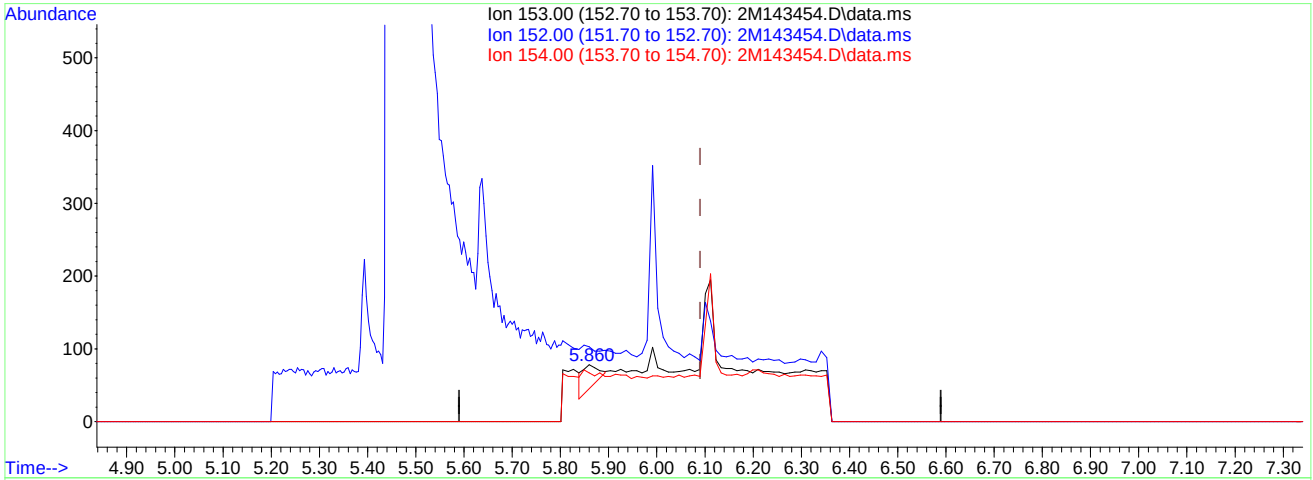
response 374

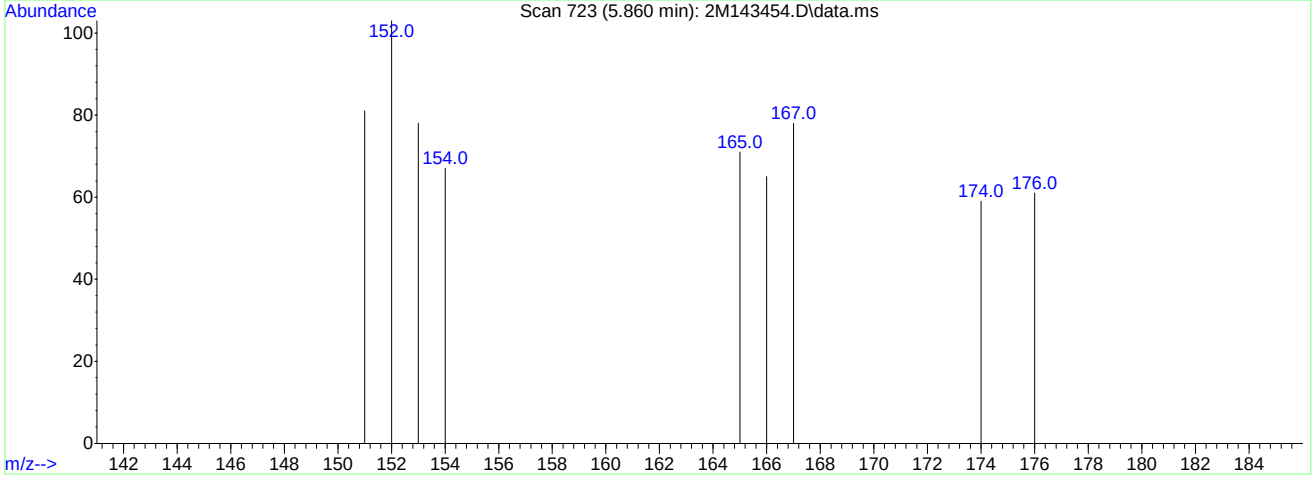
Ion	Exp%	Act%
252.00	100	100
253.00	21.60	63.56#
250.00	24.50	45.94
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143454.D
Acq On : 18 Sep 2025 4:55 pm
Operator : rocquans
Sample : ic6496-0.002
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 19 10:15:27 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 09:56:26 2025
Response via : Initial Calibration





TIC: 2M143454.D\data.ms

(15) Acenaphthene (t)

5.860min (-0.230) 0.88ppb

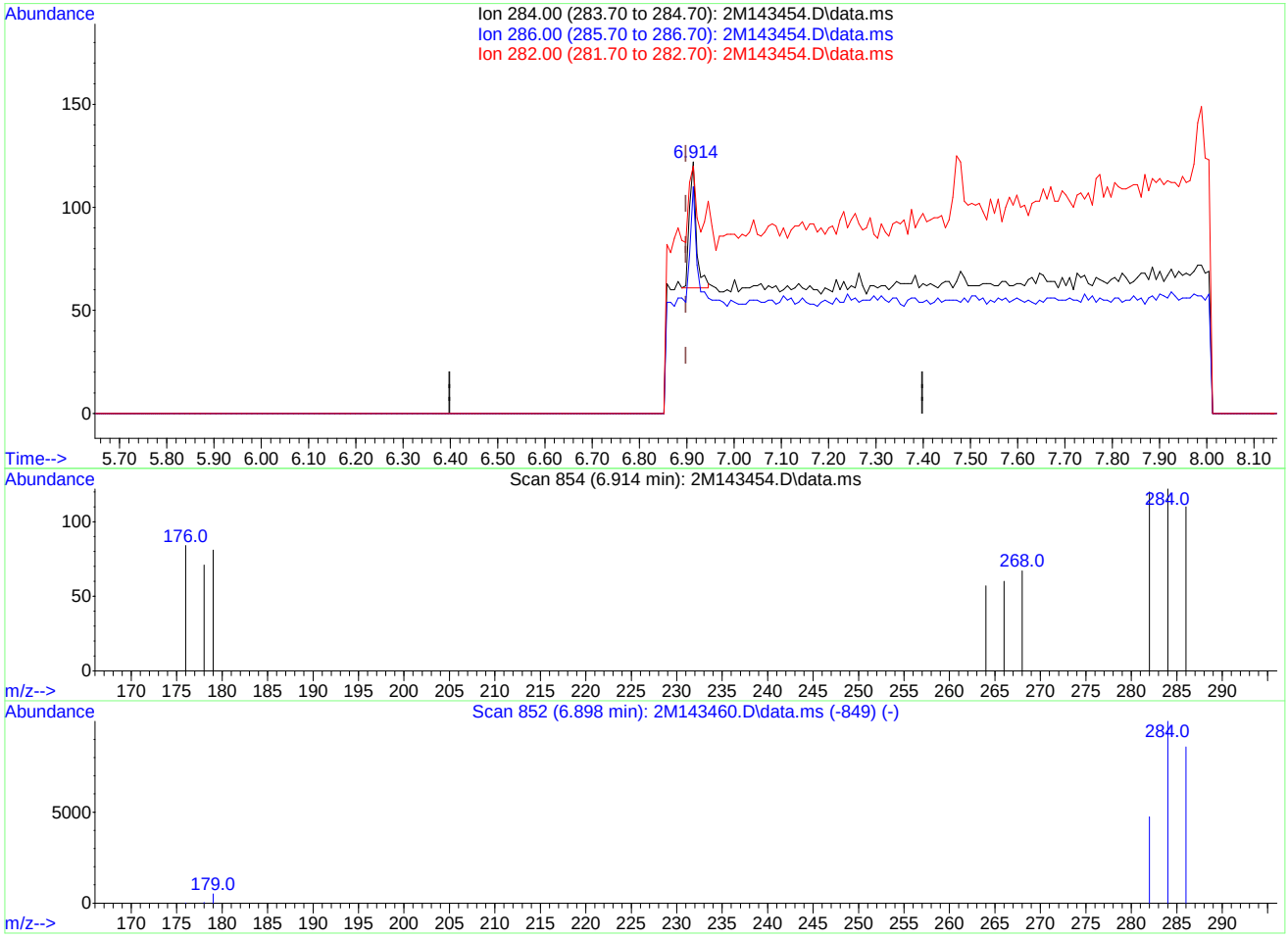
response 78

Ion	Exp%	Act%
153.00	100	100
152.00	50.80	45.00
154.00	77.00	55.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143454.D
Acq On : 18 Sep 2025 4:55 pm
Operator : rocquans
Sample : ic6496-0.002
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 19 10:15:27 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 09:56:26 2025
Response via : Initial Calibration



TIC: 2M143454.D\data.ms

(20) Hexachlorobenzene (t)

6.914min (+0.016) 1.90ppb m

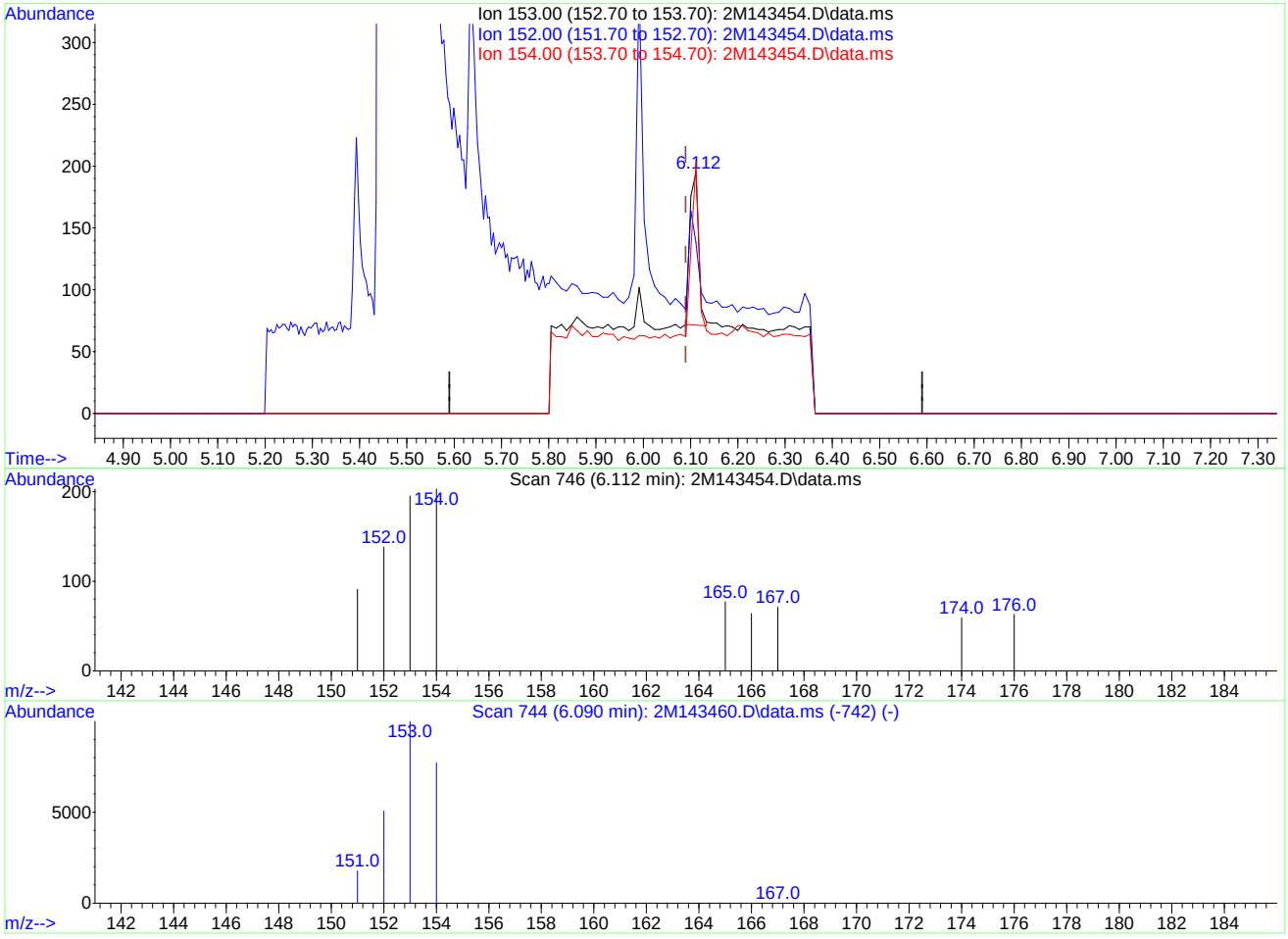
response 62

Ion	Exp%	Act%
284.00	100	100
286.00	85.80	90.16
282.00	47.40	98.36#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143454.D
Acq On : 18 Sep 2025 4:55 pm
Operator : rocquans
Sample : ic6496-0.002
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 19 10:15:27 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 09:56:26 2025
Response via : Initial Calibration



TIC: 2M143454.D\data.ms

(15) Acenaphthene (t)

6.112min (+0.022) 1.81ppb m

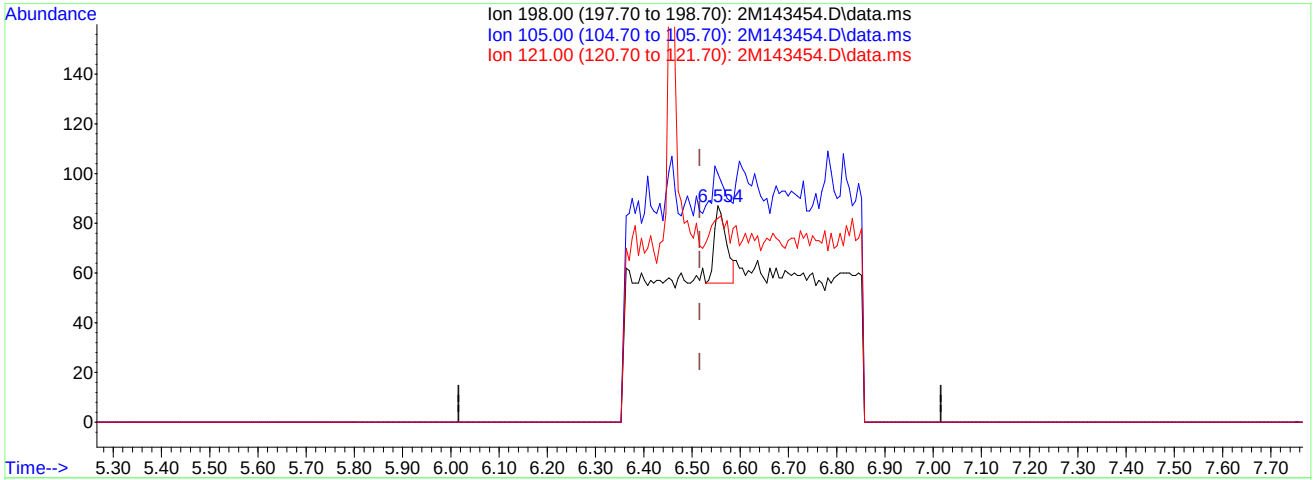
response 160

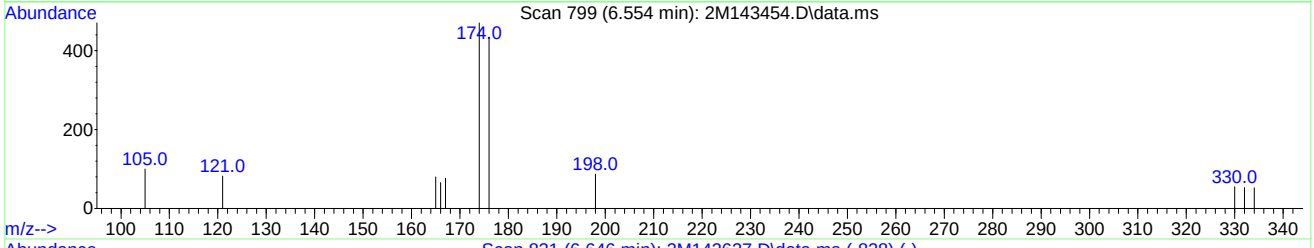
Ion	Exp%	Act%
153.00	100	100
152.00	50.80	70.77
154.00	77.00	104.10
0.00	0.00	0.00

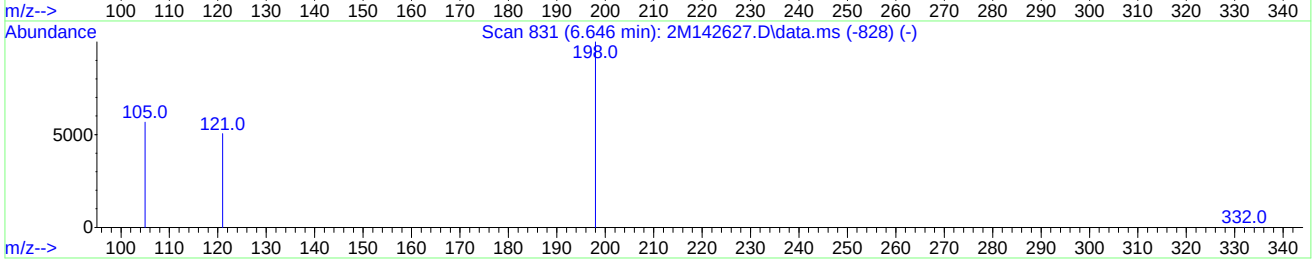
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143454.D
Acq On : 18 Sep 2025 4:55 pm
Operator : rocquans
Sample : ic6496-0.002
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 19 10:15:27 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 09:56:26 2025
Response via : Initial Calibration







TIC: 2M143454.D\data.ms

(17) 4,6-dinitro-2-methylphenol

6.554min (+0.038) 6.25ppb

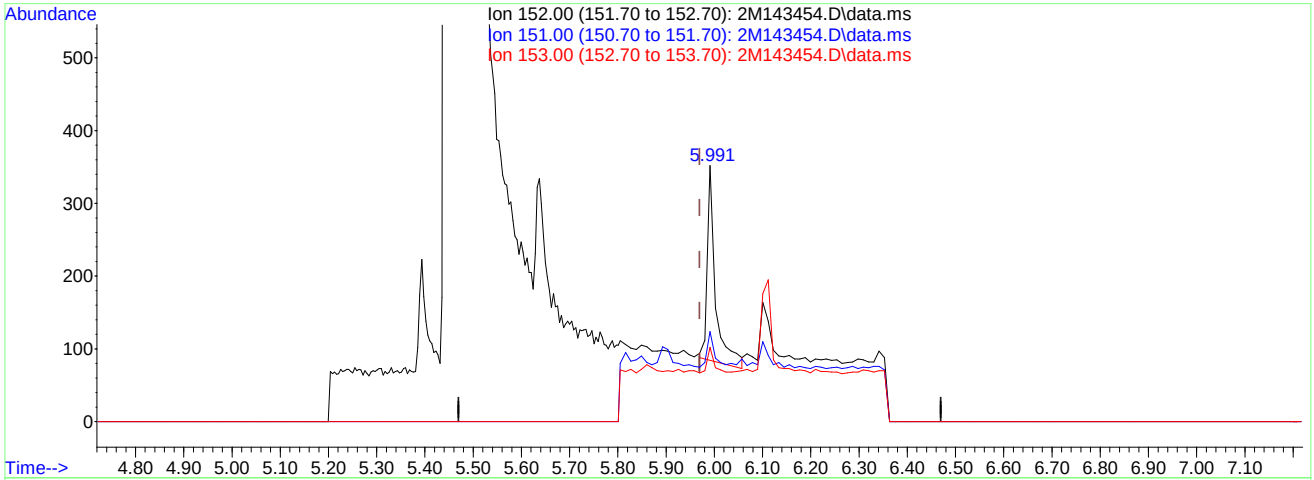
response 54

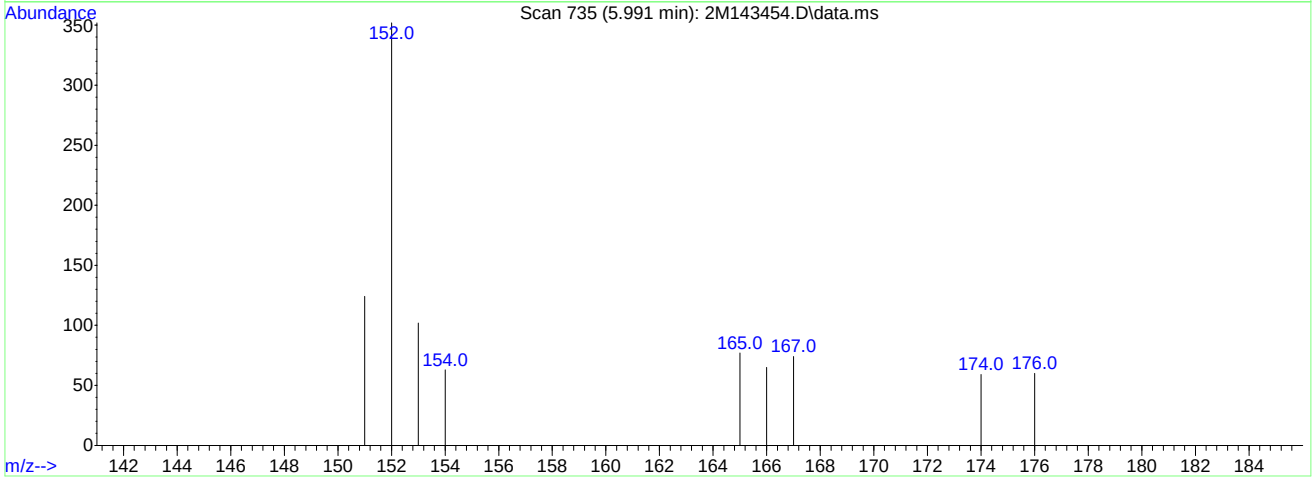
Ion	Exp%	Act%
198.00	100	100
105.00	34.90	47.17
121.00	32.50	26.42
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143454.D
Acq On : 18 Sep 2025 4:55 pm
Operator : rocquans
Sample : ic6496-0.002
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 19 10:15:27 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 09:56:26 2025
Response via : Initial Calibration





TIC: 2M143454.D\data.ms

(14) Acenaphthylene (t)

5.991min (+0.022) 3.05ppb

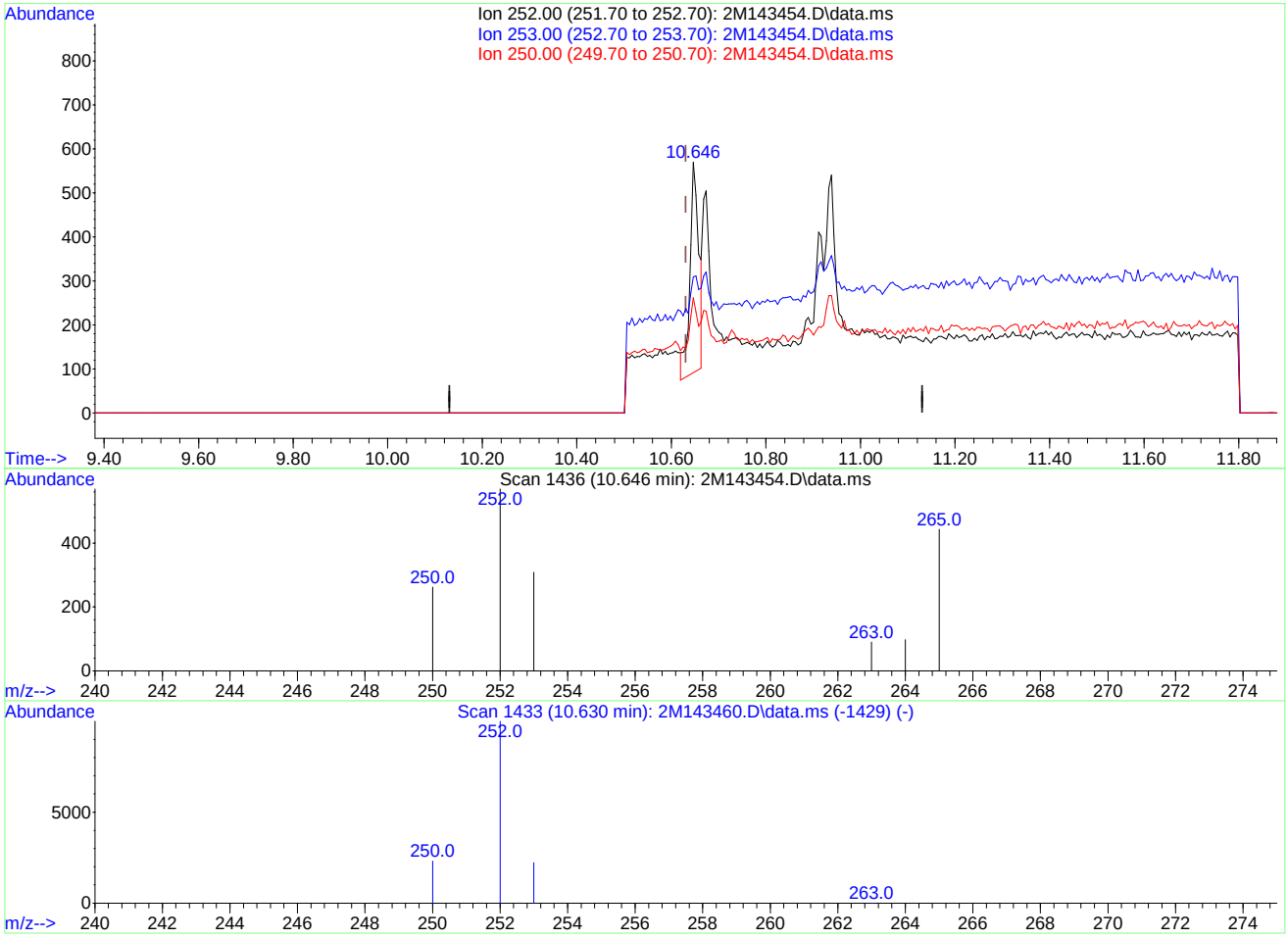
response 311

Ion	Exp%	Act%
152.00	100	100
151.00	25.90	16.67
153.00	9.60	12.84
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143454.D
Acq On : 18 Sep 2025 4:55 pm
Operator : rocquans
Sample : ic6496-0.002
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 19 10:15:27 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 09:56:26 2025
Response via : Initial Calibration



TIC: 2M143454.D\data.ms

(30) Benzo[b]fluoranthene (t)

10.646min (+0.016) 4.14ppb

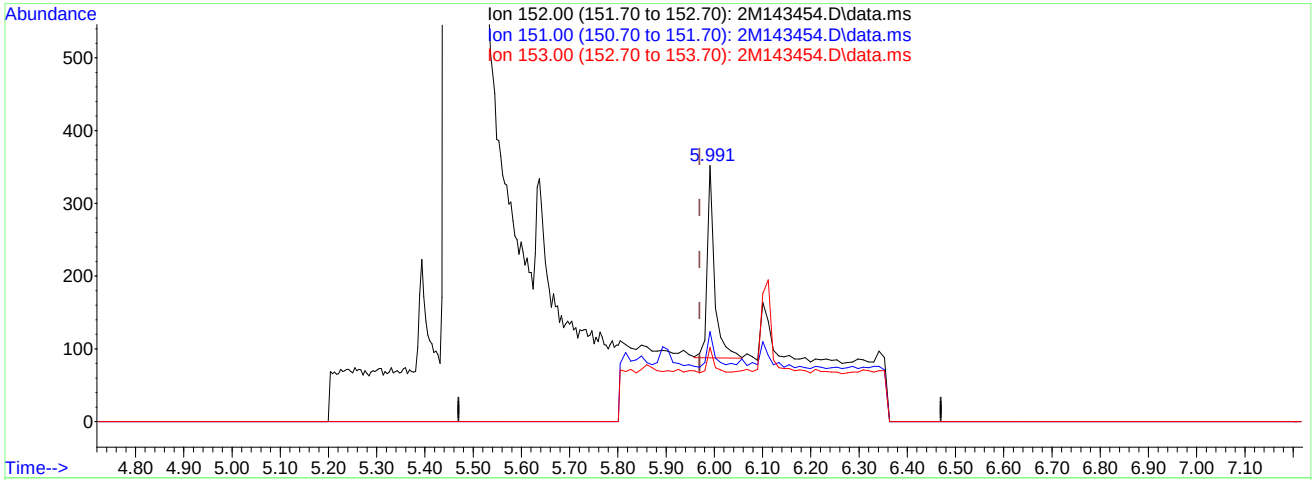
response 624

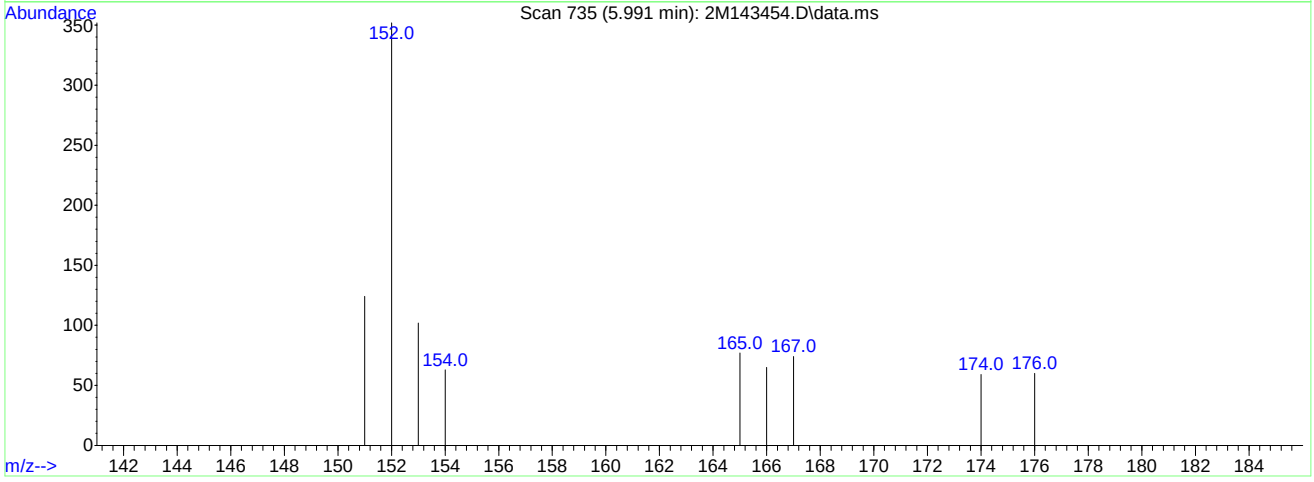
Ion	Exp%	Act%
252.00	100	100
253.00	22.30	15.57
250.00	22.90	26.72
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143454.D
Acq On : 18 Sep 2025 4:55 pm
Operator : rocquans
Sample : ic6496-0.002
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 19 10:18:14 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 09:56:26 2025
Response via : Initial Calibration





TIC: 2M143454.D\data.ms

(14) Acenaphthylene (t)

5.991min (+0.022) 2.74ppb m

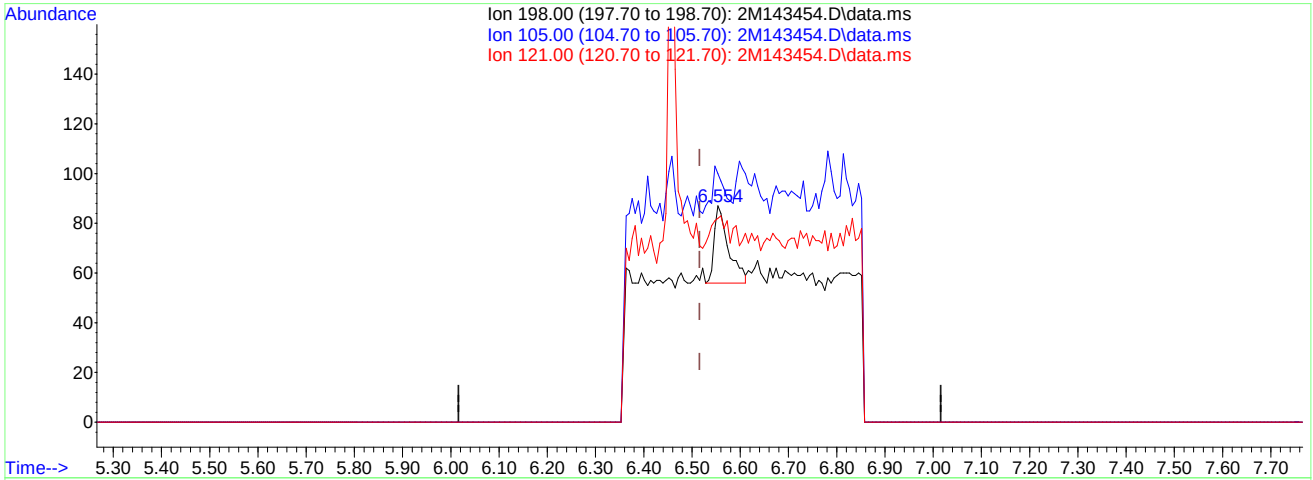
response 279

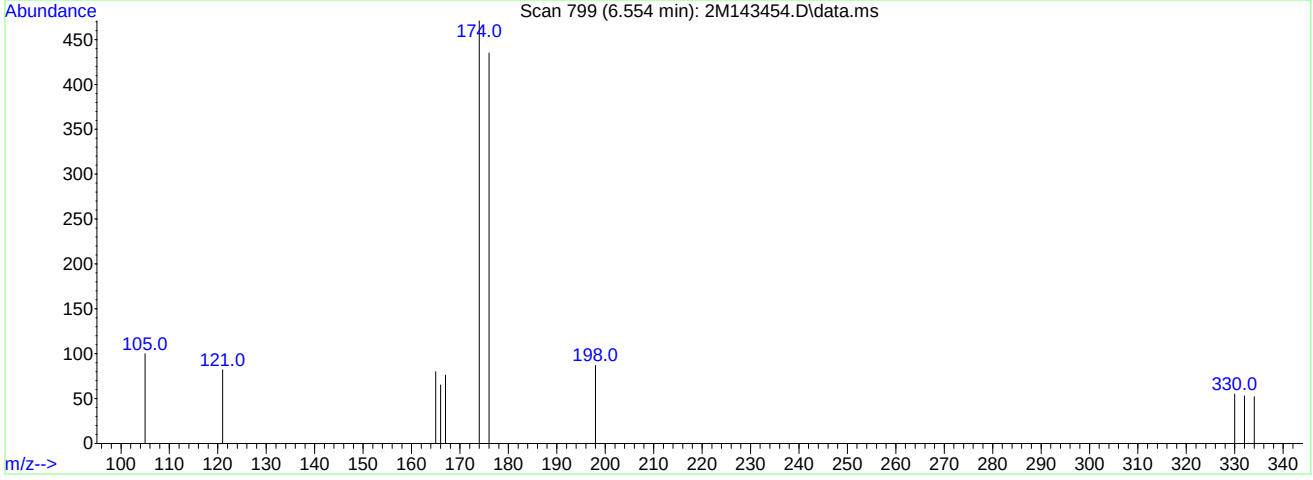
Ion	Exp%	Act%
152.00	100	100
151.00	25.90	35.23
153.00	9.60	28.98
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143454.D
Acq On : 18 Sep 2025 4:55 pm
Operator : rocquans
Sample : ic6496-0.002
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 19 10:18:14 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 09:56:26 2025
Response via : Initial Calibration





TIC: 2M143454.D\data.ms

(17) 4,6-dinitro-2-methylphenol

6.554min (+0.038) 7.40ppb m

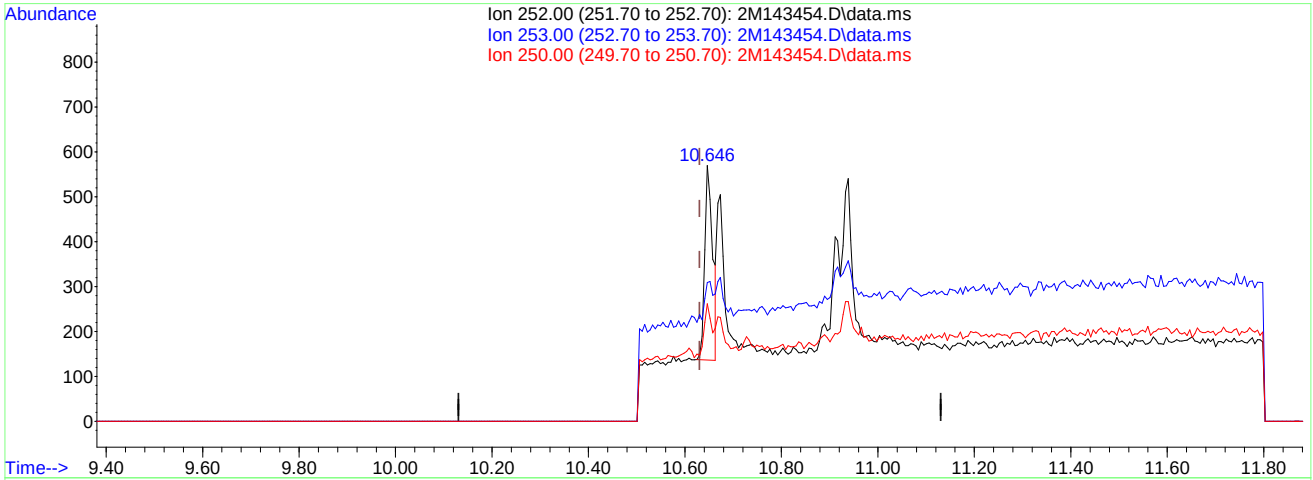
response 64

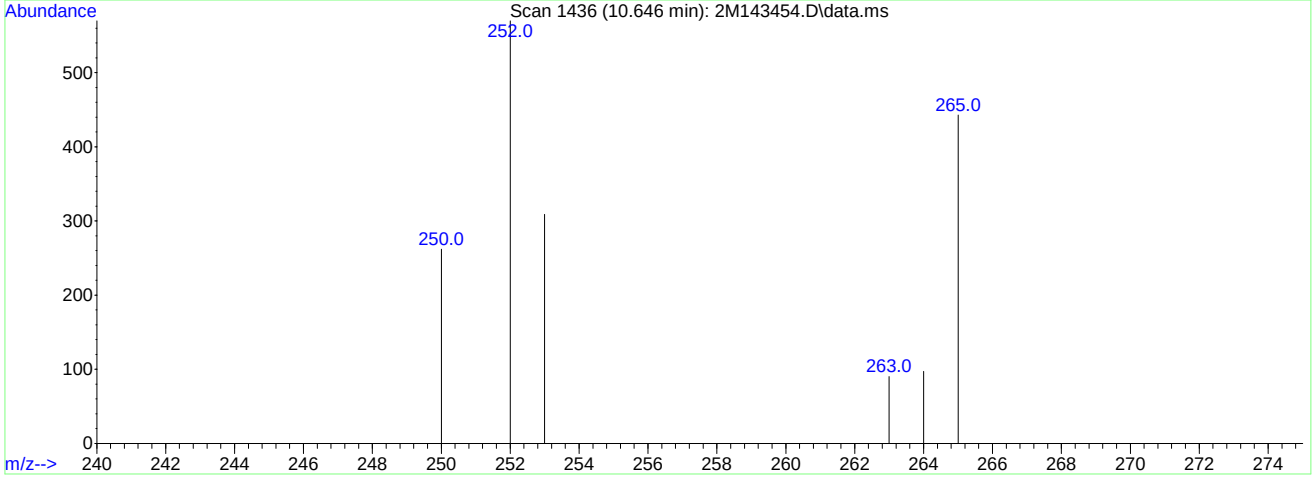
Ion	Exp%	Act%
198.00	100	100
105.00	34.90	114.94#
121.00	32.50	94.25#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143454.D
Acq On : 18 Sep 2025 4:55 pm
Operator : rocquans
Sample : ic6496-0.002
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 19 10:18:14 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 09:56:26 2025
Response via : Initial Calibration





TIC: 2M143454.D\data.ms

(30) Benzo[b]fluoranthene (t)

10.646min (+0.016) 3.30ppb m

response 498

Ion	Exp%	Act%
252.00	100	100
253.00	22.30	54.21#
250.00	22.90	45.96
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Jon Kreigmor Mamanta 09/19/25 11:26

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143455.D
Acq On : 18 Sep 2025 5:16 pm
Operator : rocquans
Sample : ic6496-0.004
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 19 10:14:41 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 09:56:26 2025
Response via : Initial Calibration

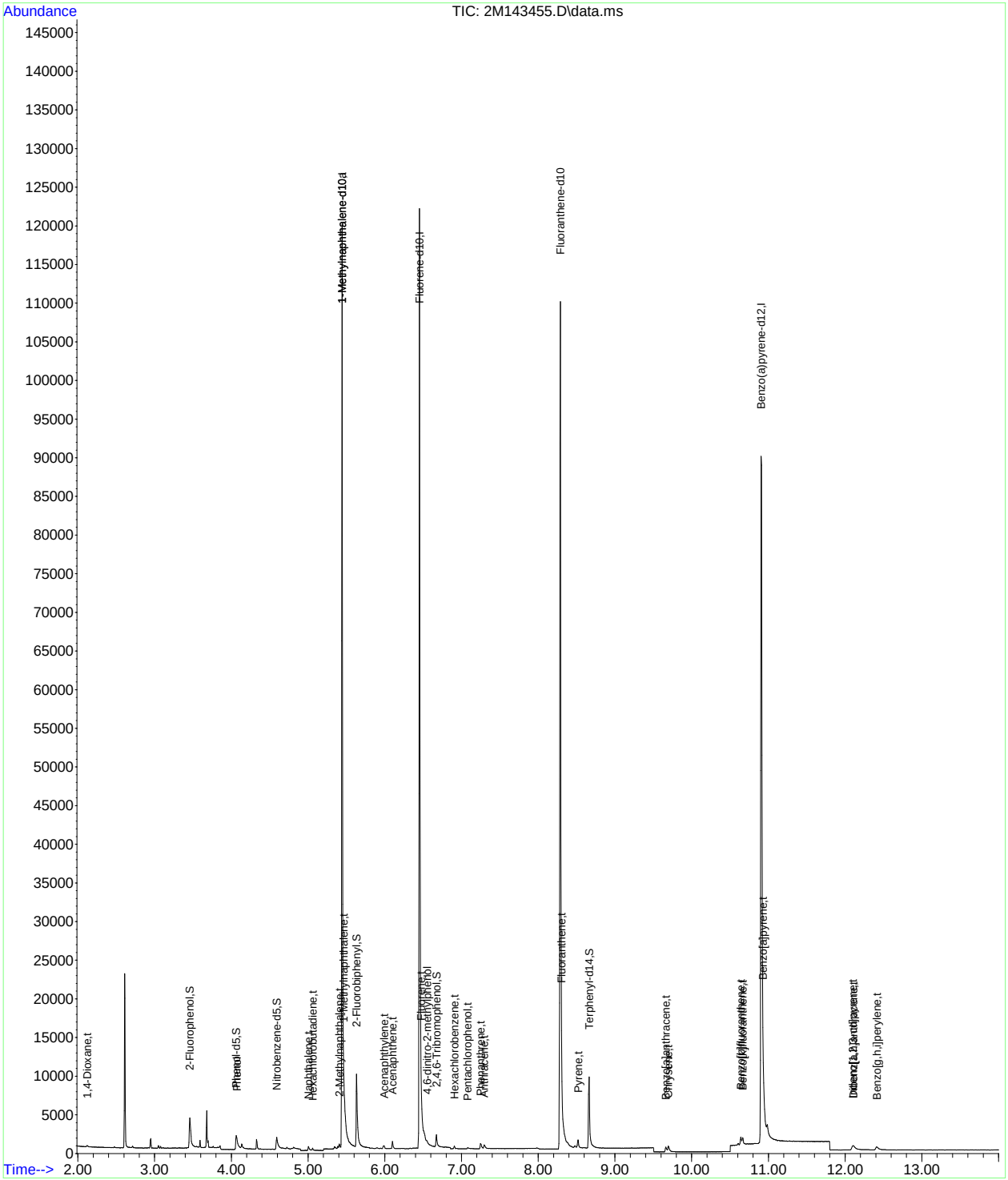
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1-Methylnaphthalene-d10	5.444	150	39835	800.00	ppb		0.00
12) Fluorene-d10	6.452	176	54635	800.00	ppb		0.00
19) Fluoranthene-d10	8.290	212	94405	800.00	ppb		0.00
29) Benzo(a)pyrene-d12	10.906	264	91037	800.00	ppb		0.00
36) 1-Methylnaphthalene-d10a	5.444	150	39835	800.00	ppb		0.00
System Monitoring Compounds							
3) 2-Fluorophenol	3.458	112	2380	73.79	ppb		0.02
Spiked Amount 10000.000			Recovery =	0.74%			
4) Phenol-d5	4.065	99	2308	62.84	ppb		0.02
Spiked Amount 10000.000			Recovery =	0.63%			
6) Nitrobenzene-d5	4.591	82	2027	58.96	ppb		0.02
Spiked Amount 10000.000			Recovery =	0.59%			
13) 2-Fluorobiphenyl	5.633	172	6594	74.37	ppb		0.02
Spiked Amount 10000.000			Recovery =	0.74%			
18) 2,4,6-Tribromophenol	6.674	330	851	69.05	ppb		0.02
Spiked Amount 10000.000			Recovery =	0.69%			
26) Terphenyl-d14	8.664	244	8112	80.97	ppb		0.00
Spiked Amount 10000.000			Recovery =	0.81%			
Target Compounds							Qvalue
2) 1,4-Dioxane	2.122	88	71m	5.13	ppb		
5) Phenol	4.072	94	648	15.10	ppb	#	91
7) Naphthalene	5.003	128	498	4.31	ppb		98
8) Hexachlorobutadiene	5.062	225	83	3.98	ppb		88
9) 2-Methylnaphthalene	5.406	141	212	3.02	ppb		96
10) 1-Methylnaphthalene	5.465	141	290	4.07	ppb		88
14) Acenaphthylene	5.991	152	429	4.24	ppb		85
15) Acenaphthene	6.101	153	359	4.08	ppb		96
16) Fluorene	6.471	166	374	3.95	ppb		97
17) 4,6-dinitro-2-methylph...	6.554	198	97	11.31	ppb	#	76
20) Hexachlorobenzene	6.906	284	133m	4.14	ppb		
21) Pentachlorophenol	7.081	266	107	12.76	ppb		97
22) Phenanthrene	7.248	178	640	4.71	ppb		93
23) Anthracene	7.296	178	580	4.21	ppb		95
24) Fluoranthene	8.303	202	934	5.82	ppb		98
25) Pyrene	8.522	202	901	5.57	ppb		98
27) Benzo[a]anthracene	9.664	228	517	4.25	ppb		99
28) Chrysene	9.696	228	744	5.03	ppb		91
30) Benzo[b]fluoranthene	10.641	252	667	4.51	ppb		96
31) Benzo[k]fluoranthene	10.663	252	694	4.07	ppb		96
32) Benzo[a]pyrene	10.927	252	881	5.41	ppb		97
33) Indeno[1,2,3-cd]pyrene	12.100	276	837	3.82	ppb		98
34) Dibenz[a,h]anthracene	12.108	278	594	3.33	ppb		64
35) Benzo[g,h,i]perylene	12.414	276	726	4.06	ppb		100

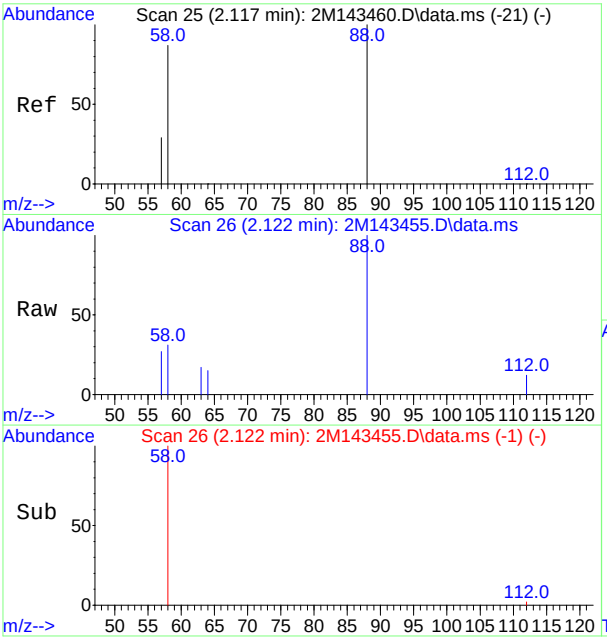
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143455.D
Acq On : 18 Sep 2025 5:16 pm
Operator : rocquans
Sample : ic6496-0.004
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 19 10:14:41 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 09:56:26 2025
Response via : Initial Calibration

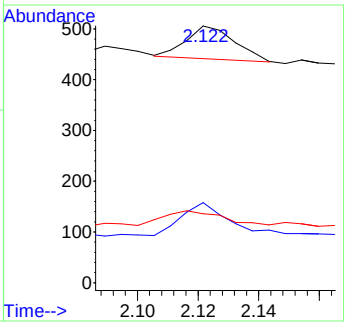


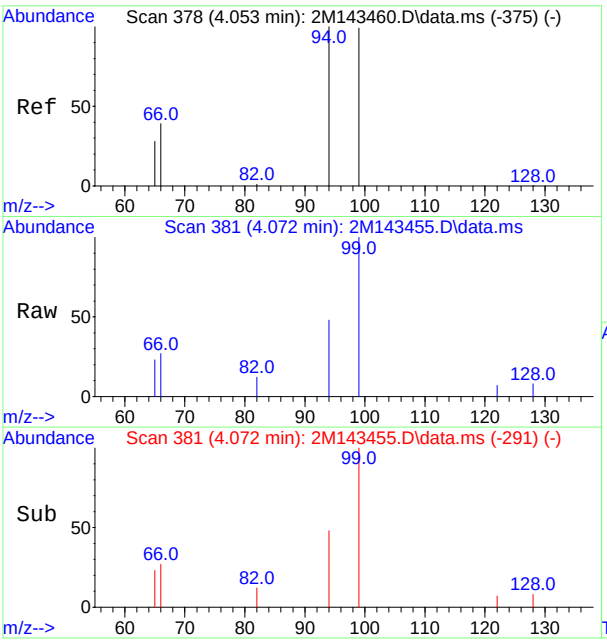


#2
1,4-Dioxane
Concen: 5.13 ppb m
RT: 2.122 min Scan# 26
Delta R.T. 0.005 min
Lab File: 2M143455.D
Acq: 18 Sep 2025 5:16 pm

Tgt Ion: 88 Resp: 71

Ion	Ratio	Lower	Upper
88	100		
58	31.2	66.8	106.8#
57	26.9	8.9	48.9

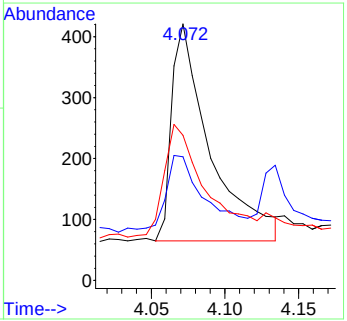


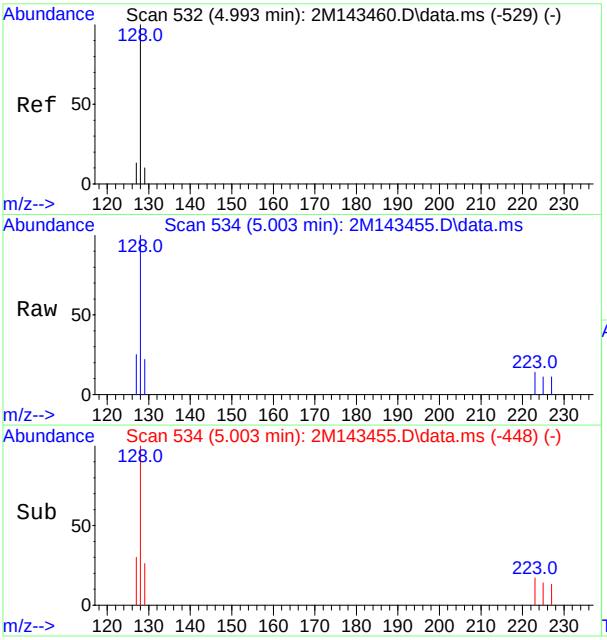


#5
Phenol
Concen: 15.10 ppb
RT: 4.072 min Scan# 381
Delta R.T. 0.019 min
Lab File: 2M143455.D
Acq: 18 Sep 2025 5:16 pm

Tgt Ion: 94 Resp: 648

Ion	Ratio	Lower	Upper
94	100		
65	18.7	22.2	33.2#
66	40.6	31.2	46.8

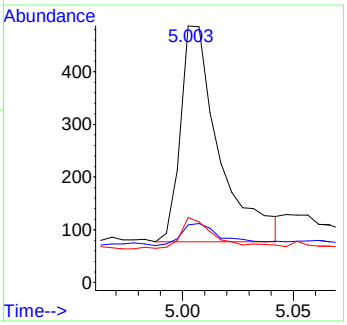


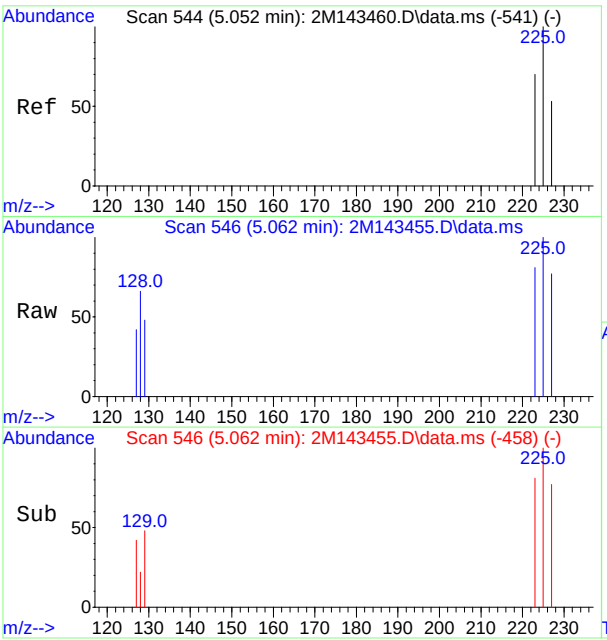


#7
Naphthalene
Concen: 4.31 ppb
RT: 5.003 min Scan# 534
Delta R.T. 0.010 min
Lab File: 2M143455.D
Acq: 18 Sep 2025 5:16 pm

Tgt Ion:128 Resp: 498

Ion	Ratio	Lower	Upper
128	100		
129	9.1	0.0	40.0
127	14.2	0.0	43.4

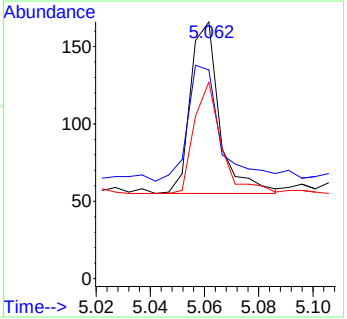


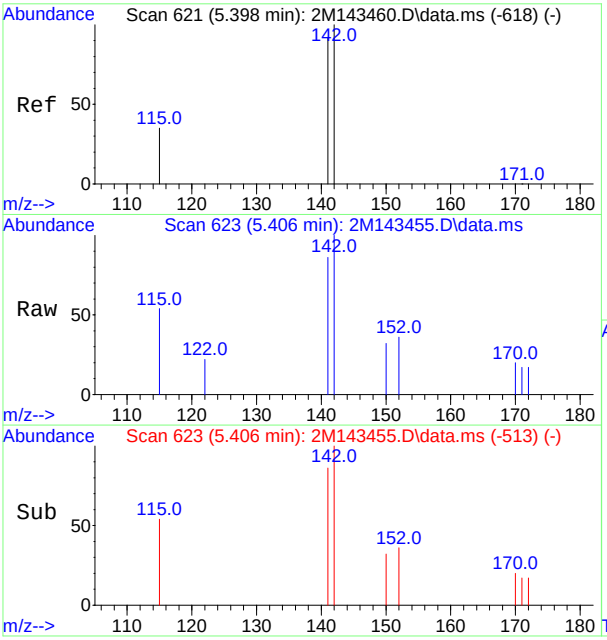


#8
Hexachlorobutadiene
Concen: 3.98 ppb
RT: 5.062 min Scan# 546
Delta R.T. 0.010 min
Lab File: 2M143455.D
Acq: 18 Sep 2025 5:16 pm

Tgt Ion:225 Resp: 83

Ion	Ratio	Lower	Upper
225	100		
223	63.5	40.1	100.1
227	65.3	23.2	83.2

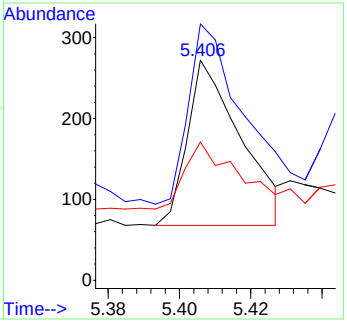


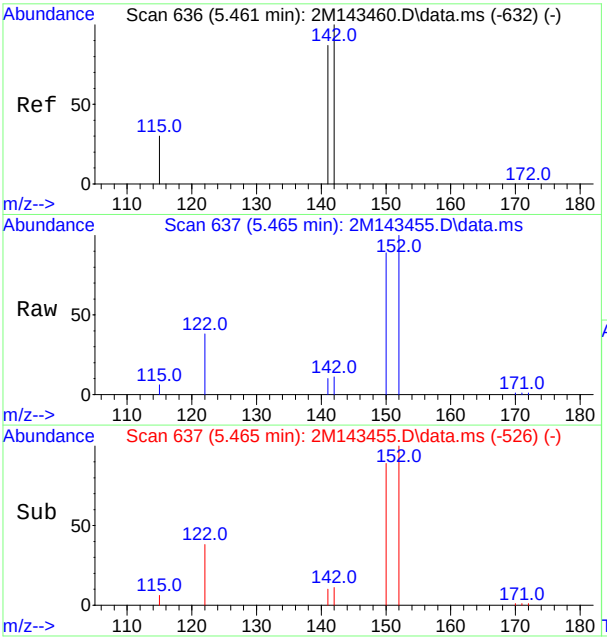


#9
2-Methylnaphthalene
Concen: 3.02 ppb
RT: 5.406 min Scan# 623
Delta R.T. 0.008 min
Lab File: 2M143455.D
Acq: 18 Sep 2025 5:16 pm

Tgt Ion:141 Resp: 212

Ion	Ratio	Lower	Upper
141	100		
142	105.8	79.2	139.2
115	41.1	8.0	68.0

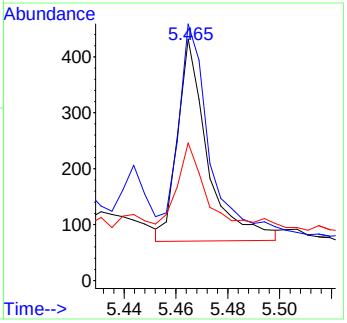


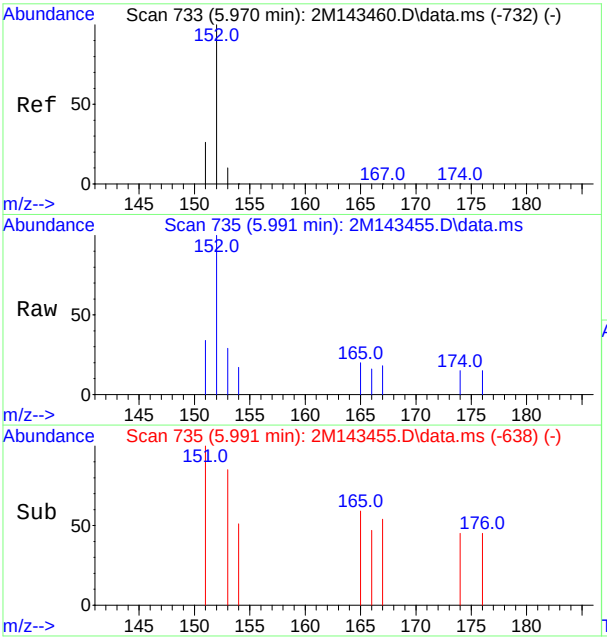


#10
1-Methylnaphthalene
Concen: 4.07 ppb
RT: 5.465 min Scan# 637
Delta R.T. 0.004 min
Lab File: 2M143455.D
Acq: 18 Sep 2025 5:16 pm

Tgt Ion:141 Resp: 290

Ion	Ratio	Lower	Upper
141	100		
142	103.8	85.6	145.6
115	42.4	4.2	64.2

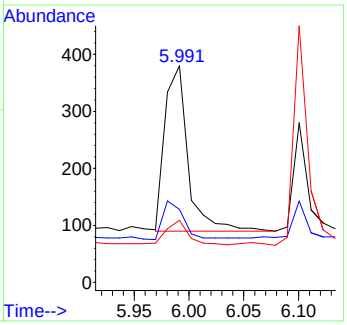


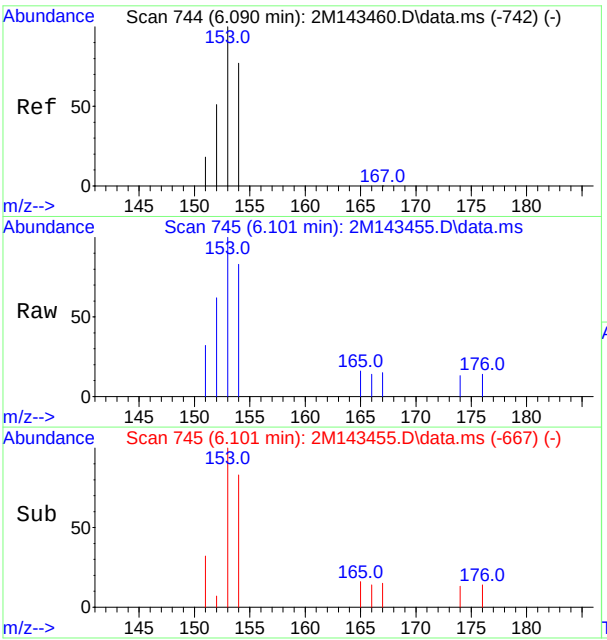


#14
Acenaphthylene
Concen: 4.24 ppb
RT: 5.991 min Scan# 735
Delta R.T. 0.022 min
Lab File: 2M143455.D
Acq: 18 Sep 2025 5:16 pm

Tgt Ion:152 Resp: 429

Ion	Ratio	Lower	Upper
152	100		
151	17.6	0.0	55.9
153	14.5	0.0	39.6

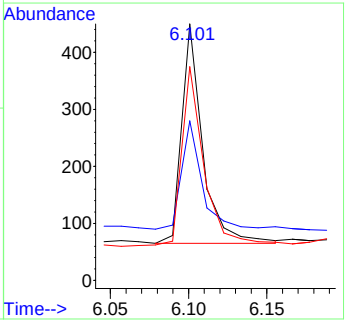


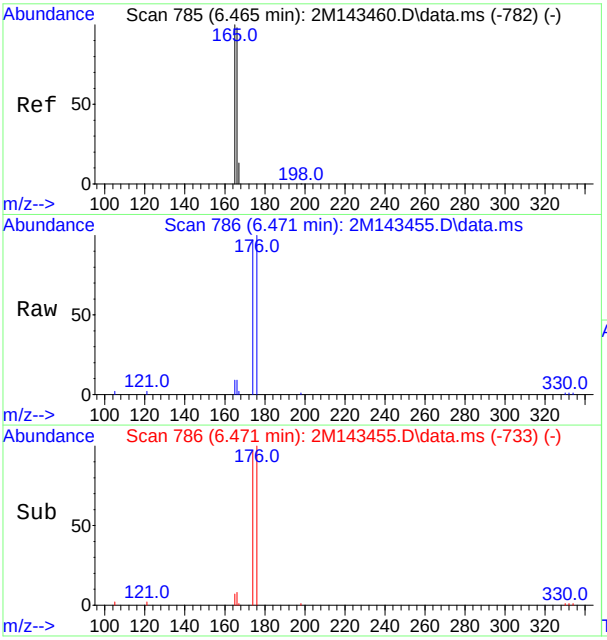


#15
Acenaphthene
Concen: 4.08 ppb
RT: 6.101 min Scan# 745
Delta R.T. 0.011 min
Lab File: 2M143455.D
Acq: 18 Sep 2025 5:16 pm

Tgt Ion:153 Resp: 359

Ion	Ratio	Lower	Upper
153	100		
152	49.2	20.8	80.8
154	81.2	47.0	107.0

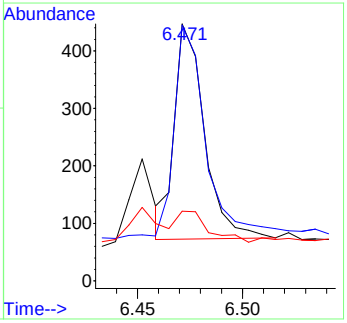


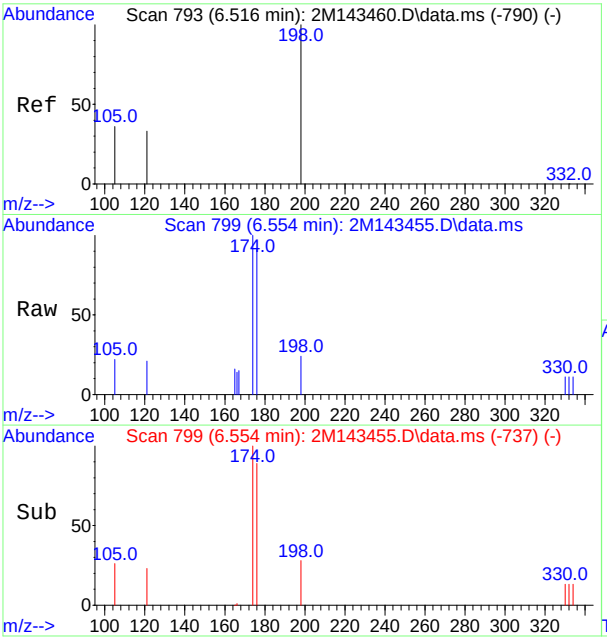


#16
Fluorene
Concen: 3.95 ppb
RT: 6.471 min Scan# 786
Delta R.T. 0.006 min
Lab File: 2M143455.D
Acq: 18 Sep 2025 5:16 pm

Tgt Ion:166 Resp: 374

Ion	Ratio	Lower	Upper
166	100		
165	104.6	72.1	132.1
167	10.2	0.0	43.0

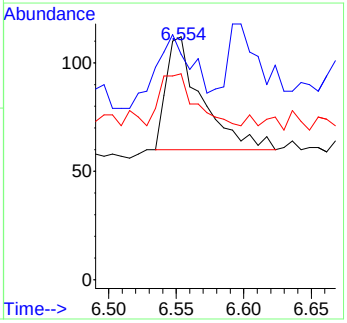


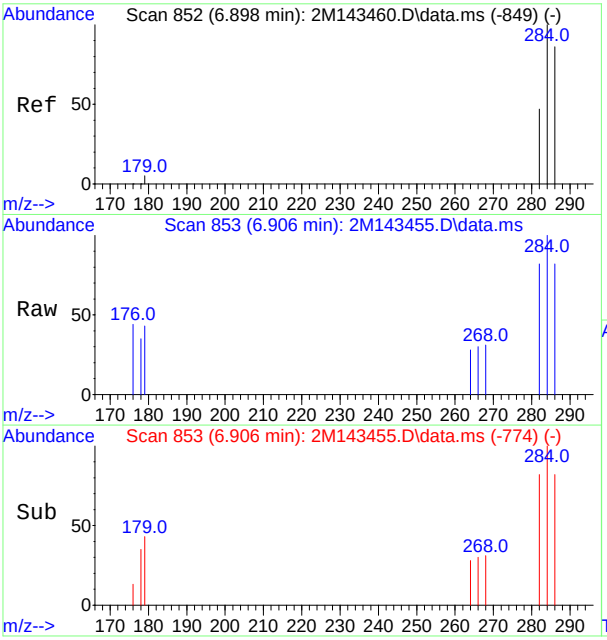


#17
4,6-dinitro-2-methylphenol
Concen: 11.31 ppb
RT: 6.554 min Scan# 799
Delta R.T. 0.038 min
Lab File: 2M143455.D
Acq: 18 Sep 2025 5:16 pm

Tgt Ion:198 Resp: 97

Ion	Ratio	Lower	Upper
198	100		
105	10.6	14.9	54.9#
121	34.6	12.5	52.5

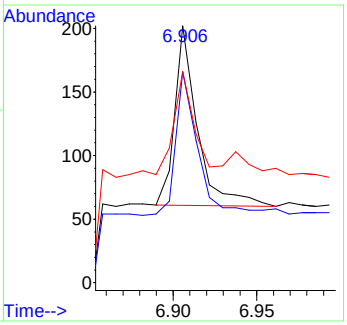


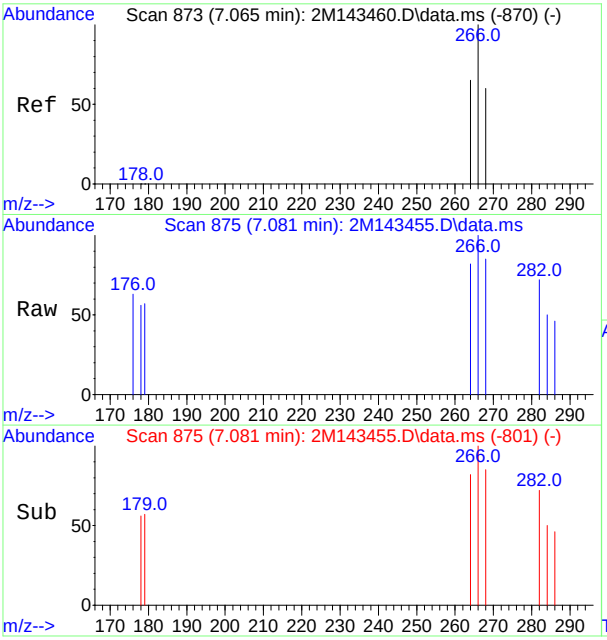


#20
Hexachlorobenzene
Concen: 4.14 ppb m
RT: 6.906 min Scan# 853
Delta R.T. 0.008 min
Lab File: 2M143455.D
Acq: 18 Sep 2025 5:16 pm

Tgt Ion:284 Resp: 133

Ion	Ratio	Lower	Upper
284	100		
286	82.2	55.8	115.8
282	82.2	17.4	77.4#

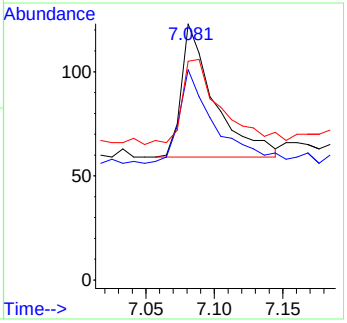


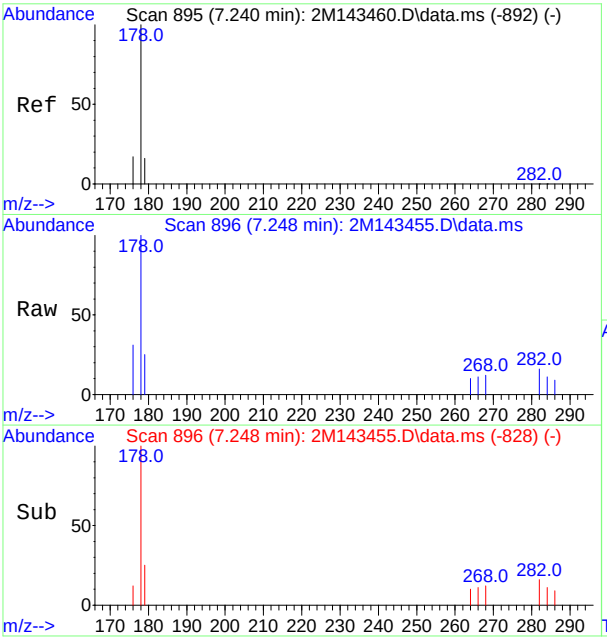


#21
Pentachlorophenol
Concen: 12.76 ppb
RT: 7.081 min Scan# 875
Delta R.T. 0.016 min
Lab File: 2M143455.D
Acq: 18 Sep 2025 5:16 pm

Tgt Ion:266 Resp: 107

Ion	Ratio	Lower	Upper
266	100		
264	67.7	35.4	95.4
268	58.1	30.0	90.0

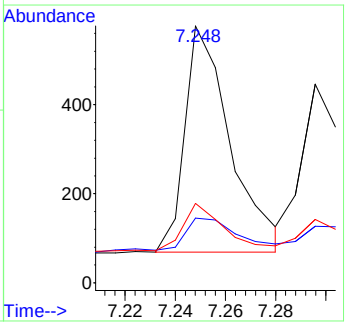


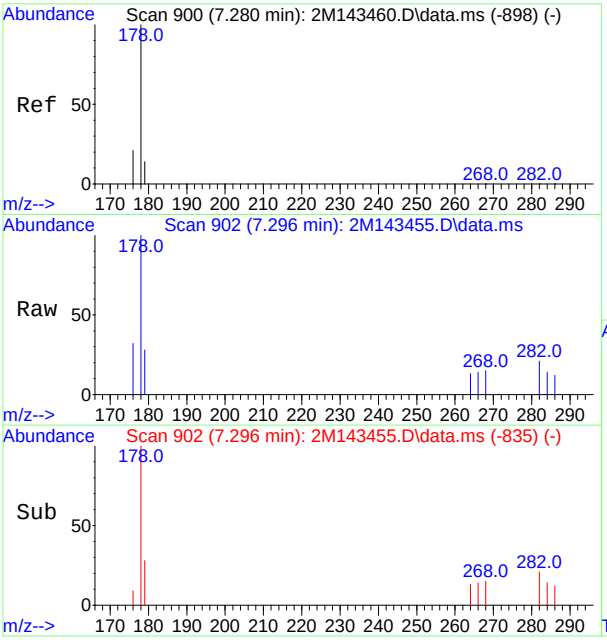


#22
Phenanthrene
Concen: 4.71 ppb
RT: 7.248 min Scan# 896
Delta R.T. 0.008 min
Lab File: 2M143455.D
Acq: 18 Sep 2025 5:16 pm

Tgt Ion:178 Resp: 640

Ion	Ratio	Lower	Upper
178	100		
179	13.6	0.0	46.1
176	21.0	0.0	47.1

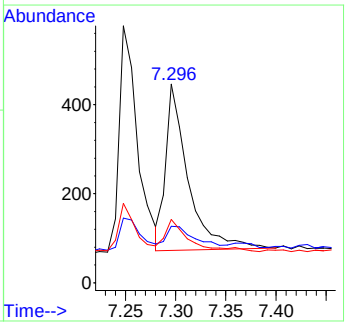


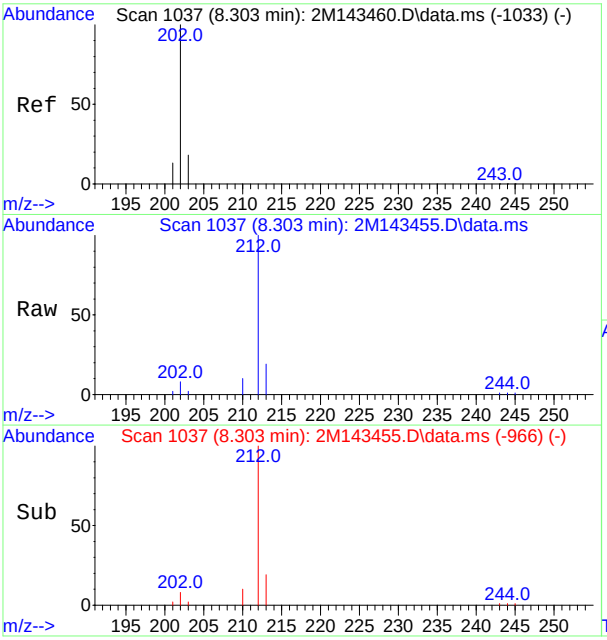


#23
Anthracene
Concen: 4.21 ppb
RT: 7.296 min Scan# 902
Delta R.T. 0.016 min
Lab File: 2M143455.D
Acq: 18 Sep 2025 5:16 pm

Tgt Ion:178 Resp: 580

Ion	Ratio	Lower	Upper
178	100		
179	12.4	0.0	44.2
176	18.6	0.0	50.7

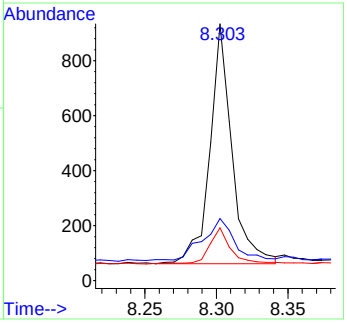


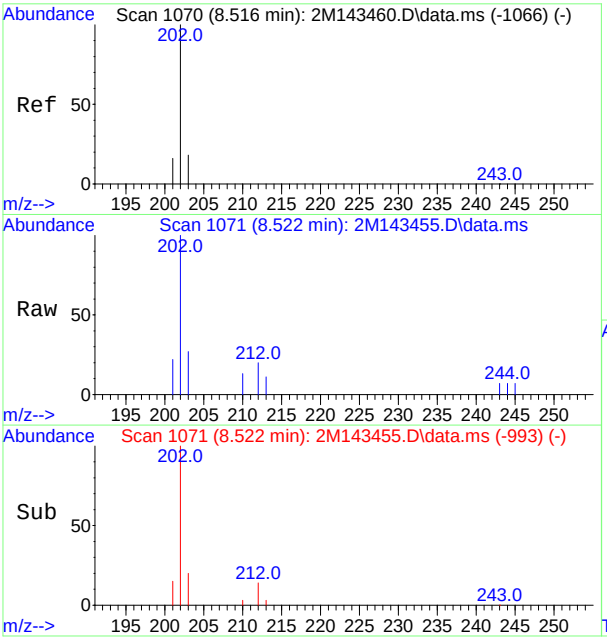


#24
Fluoranthene
Concen: 5.82 ppb
RT: 8.303 min Scan# 1037
Delta R.T. -0.000 min
Lab File: 2M143455.D
Acq: 18 Sep 2025 5:16 pm

Tgt Ion:202 Resp: 934

Ion	Ratio	Lower	Upper
202	100		
203	17.3	0.0	47.9
201	14.8	0.0	43.2

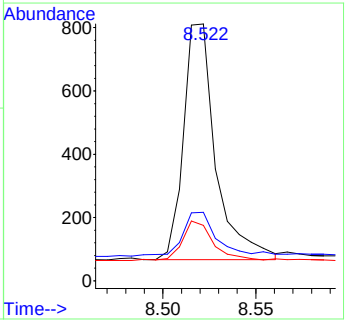


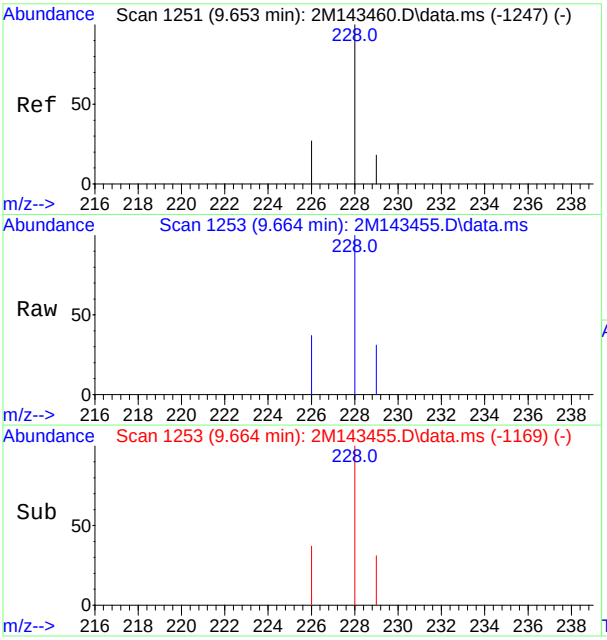


#25
Pyrene
Concen: 5.57 ppb
RT: 8.522 min Scan# 1071
Delta R.T. 0.006 min
Lab File: 2M143455.D
Acq: 18 Sep 2025 5:16 pm

Tgt Ion:202 Resp: 901

Ion	Ratio	Lower	Upper
202	100		
203	18.0	0.0	48.3
201	14.6	0.0	46.1

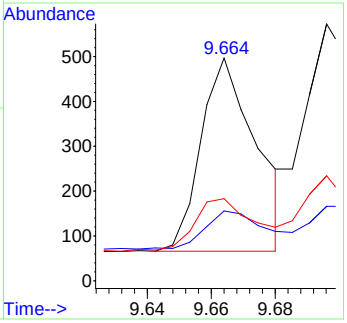


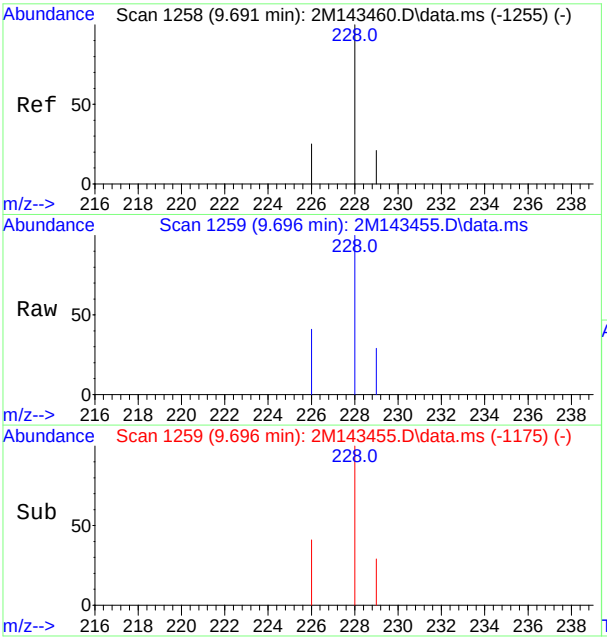


#27
Benzo[a]anthracene
Concen: 4.25 ppb
RT: 9.664 min Scan# 1253
Delta R.T. 0.010 min
Lab File: 2M143455.D
Acq: 18 Sep 2025 5:16 pm

Tgt Ion:228 Resp: 517

Ion	Ratio	Lower	Upper
228	100		
229	19.0	0.0	48.4
226	26.4	0.0	56.5

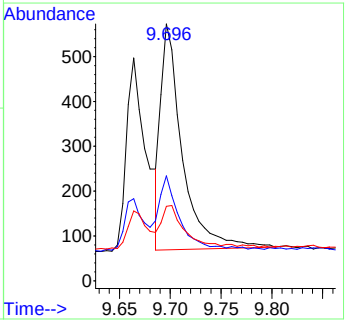


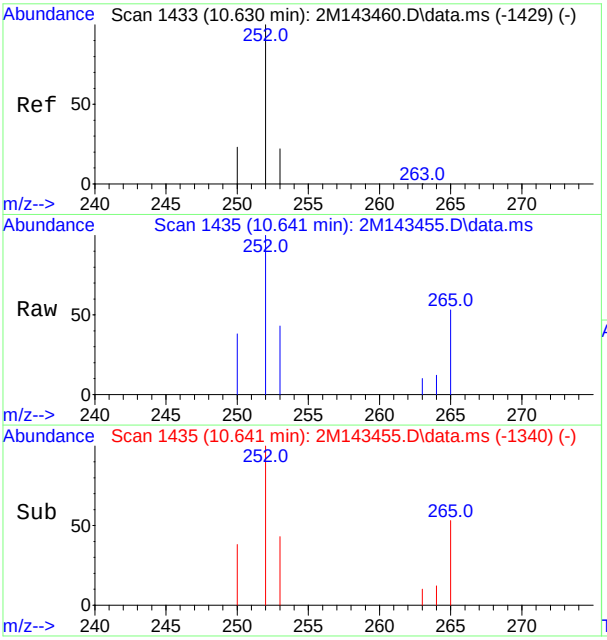


#28
Chrysene
Concen: 5.03 ppb
RT: 9.696 min Scan# 1259
Delta R.T. 0.005 min
Lab File: 2M143455.D
Acq: 18 Sep 2025 5:16 pm

Tgt Ion:228 Resp: 744

Ion	Ratio	Lower	Upper
228	100		
226	31.9	0.0	55.9
229	17.9	0.0	50.5

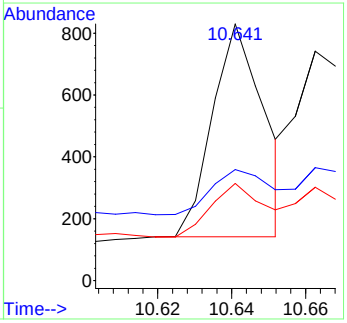


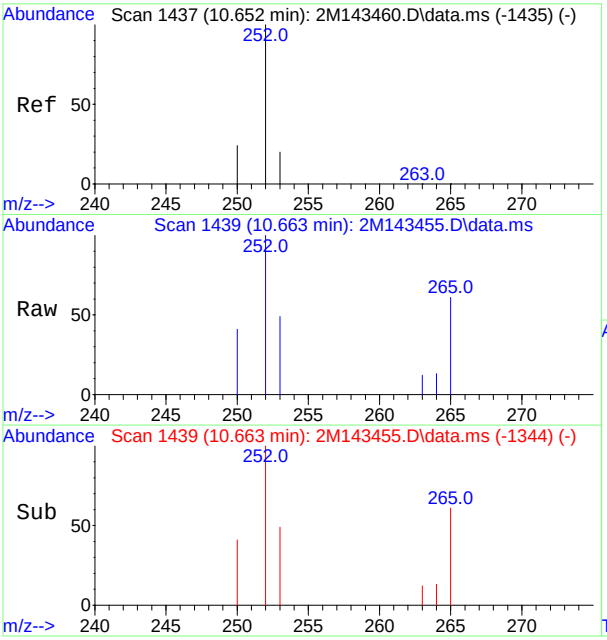


#30
Benzo[b]fluoranthene
Concen: 4.51 ppb
RT: 10.641 min Scan# 1435
Delta R.T. 0.011 min
Lab File: 2M143455.D
Acq: 18 Sep 2025 5:16 pm

Tgt Ion:252 Resp: 667

Ion	Ratio	Lower	Upper
252	100		
253	19.9	0.0	52.3
250	24.3	0.0	52.9

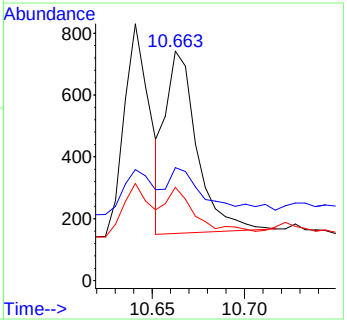


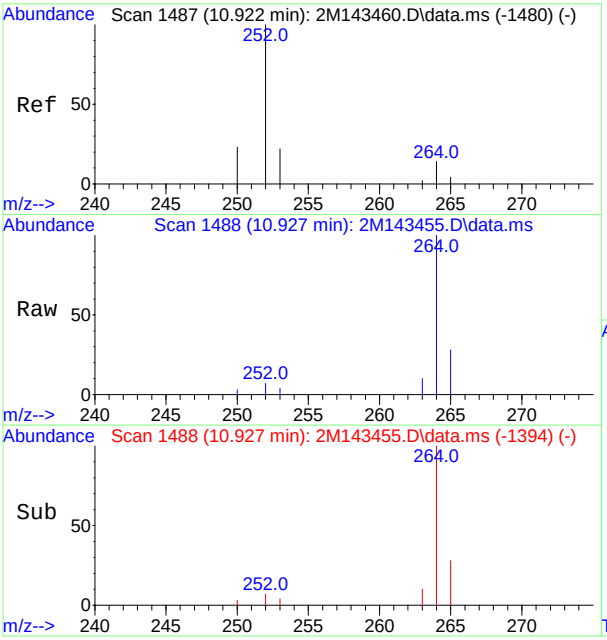


#31
Benzo[k]fluoranthene
Concen: 4.07 ppb
RT: 10.663 min Scan# 1439
Delta R.T. 0.011 min
Lab File: 2M143455.D
Acq: 18 Sep 2025 5:16 pm

Tgt Ion:252 Resp: 694

Ion	Ratio	Lower	Upper
252	100		
253	24.2	0.0	51.6
250	23.5	0.0	54.5

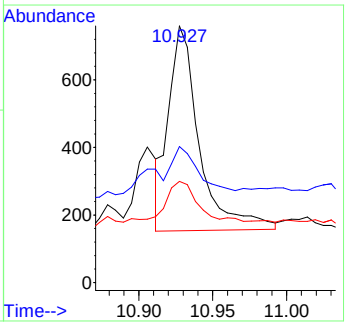


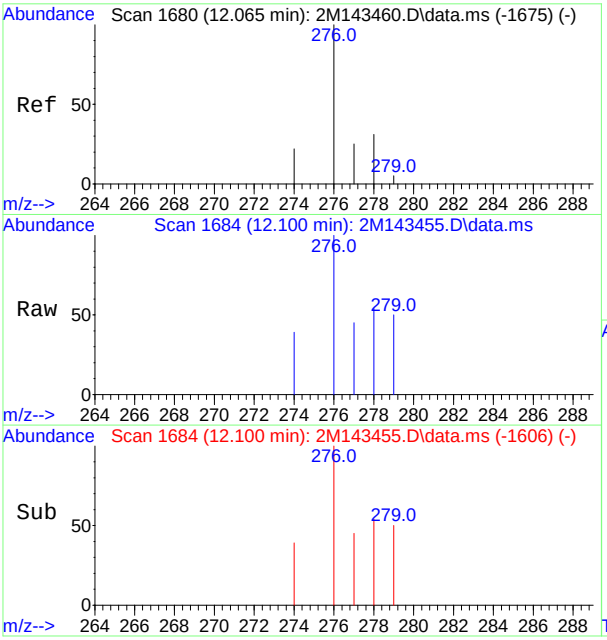


#32
Benzo[a]pyrene
Concen: 5.41 ppb
RT: 10.927 min Scan# 1488
Delta R.T. 0.005 min
Lab File: 2M143455.D
Acq: 18 Sep 2025 5:16 pm

Tgt Ion:252 Resp: 881

Ion	Ratio	Lower	Upper
252	100		
253	19.4	0.0	52.4
250	23.1	0.0	53.4

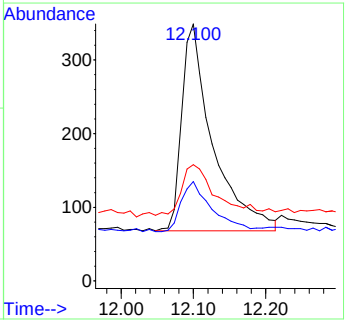


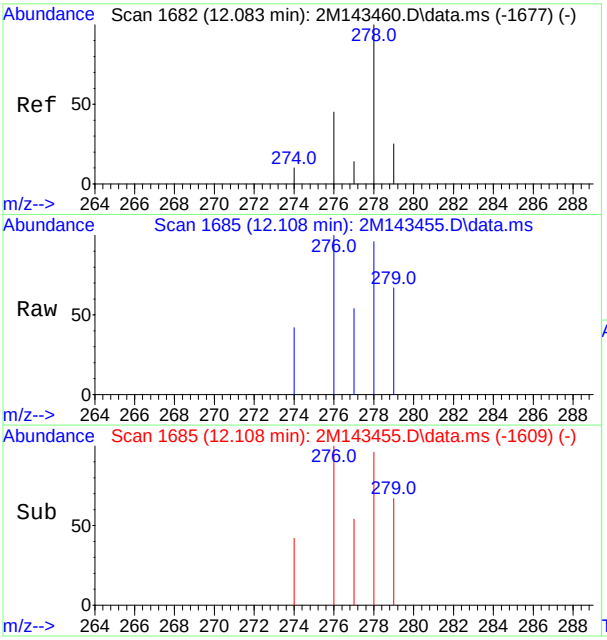


#33
Indeno[1,2,3-cd]pyrene
Concen: 3.82 ppb
RT: 12.100 min Scan# 1684
Delta R.T. 0.035 min
Lab File: 2M143455.D
Acq: 18 Sep 2025 5:16 pm

Tgt Ion:276 Resp: 837

Ion	Ratio	Lower	Upper
276	100		
274	23.7	0.0	52.2
277	24.3	0.0	54.9

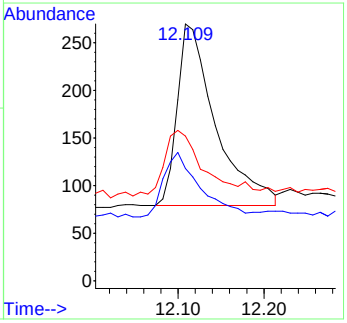


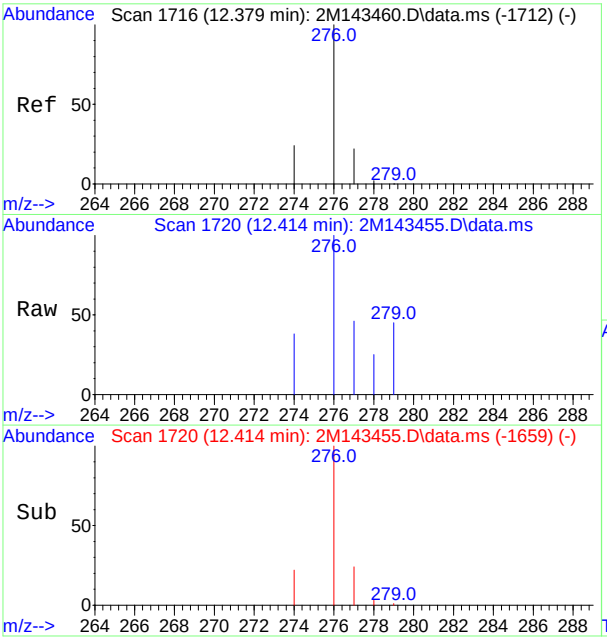


#34
Dibenz[a,h]anthracene
Concen: 3.33 ppb
RT: 12.108 min Scan# 1685
Delta R.T. 0.026 min
Lab File: 2M143455.D
Acq: 18 Sep 2025 5:16 pm

Tgt Ion:278 Resp: 594

Ion	Ratio	Lower	Upper
278	100		
274	22.6	0.0	40.7
277	30.2	0.0	44.0

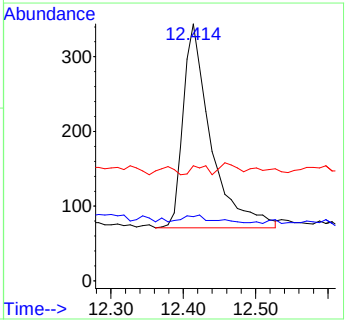




#35
Benzo[g,h,i]perylene
Concen: 4.06 ppb
RT: 12.414 min Scan# 1720
Delta R.T. 0.035 min
Lab File: 2M143455.D
Acq: 18 Sep 2025 5:16 pm

Tgt Ion:276 Resp: 726

Ion	Ratio	Lower	Upper
276	100		
278	2.0	0.0	32.2
279	2.0	0.0	30.1



Manual Integration Approval Summary

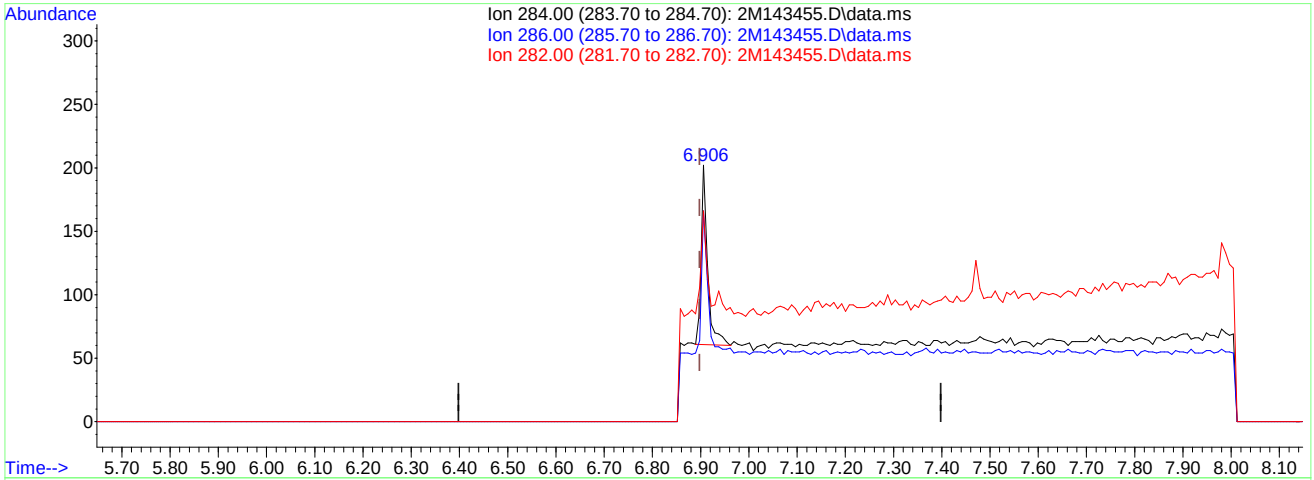
Sample Number: E2M6496-IC6496
Lab FileID: 2M143455.D
Injection Time: 09/18/25 17:16
Method: SW846 8270E BY SIM
Analyst approved: 09/19/25 10:52 Ying Li
Supervisor approved: 09/19/25 11:26 Jon Kreigmor Mamanta

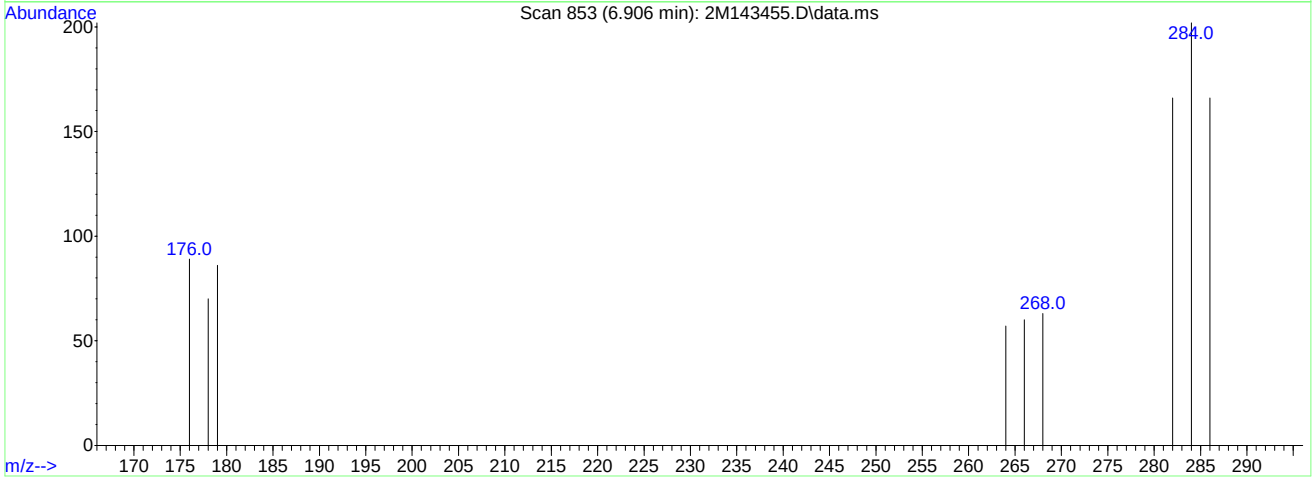
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,4-Dioxane	123-91-1		2.12	Poor instrument integration
Hexachlorobenzene	118-74-1		6.91	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143455.D
Acq On : 18 Sep 2025 5:16 pm
Operator : rocquans
Sample : ic6496-0.004
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 19 10:13:56 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 09:56:26 2025
Response via : Initial Calibration





TIC: 2M143455.D\data.ms

(20) Hexachlorobenzene (t)

6.906min (+0.008) 4.14ppb m

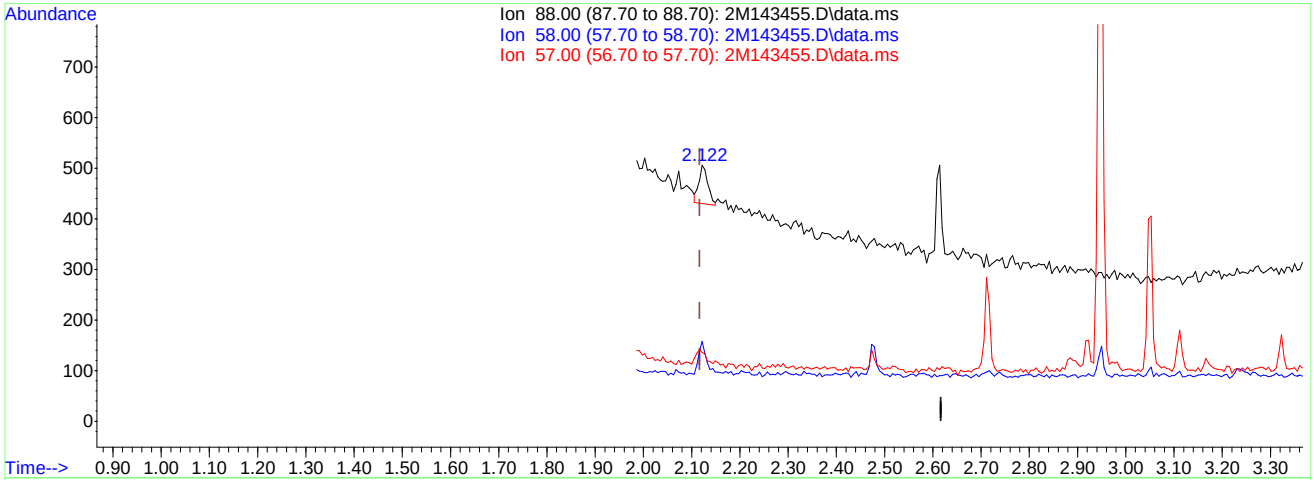
response 133

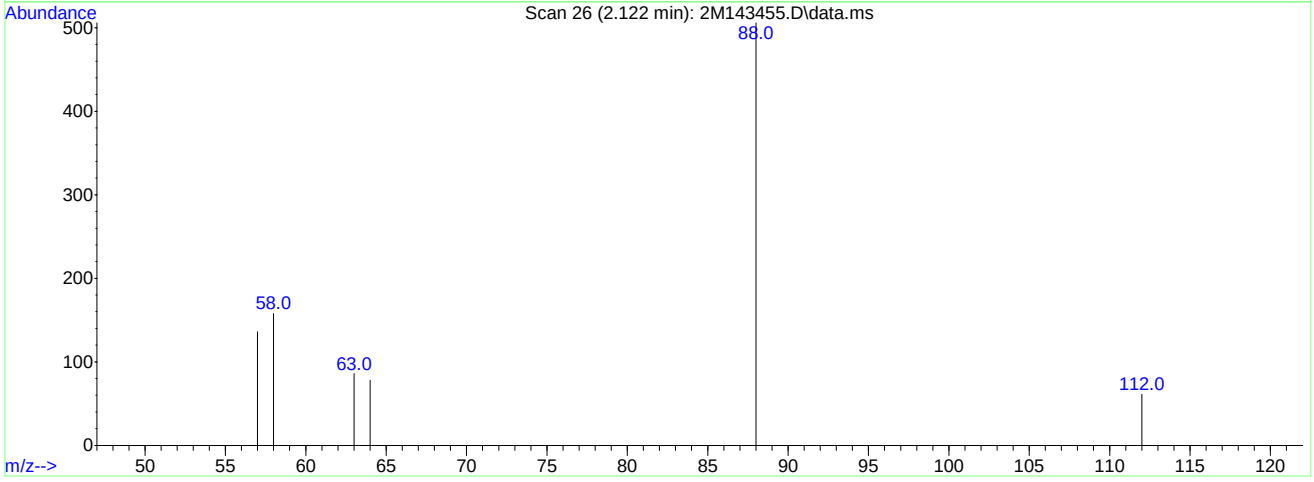
Ion	Exp%	Act%
284.00	100	100
286.00	85.80	82.18
282.00	47.40	82.18#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143455.D
Acq On : 18 Sep 2025 5:16 pm
Operator : rocquans
Sample : ic6496-0.004
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 19 10:13:56 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 09:56:26 2025
Response via : Initial Calibration





TIC: 2M143455.D\data.ms

(2) 1,4-Dioxane (t)

2.122min (+0.005) 6.93ppb

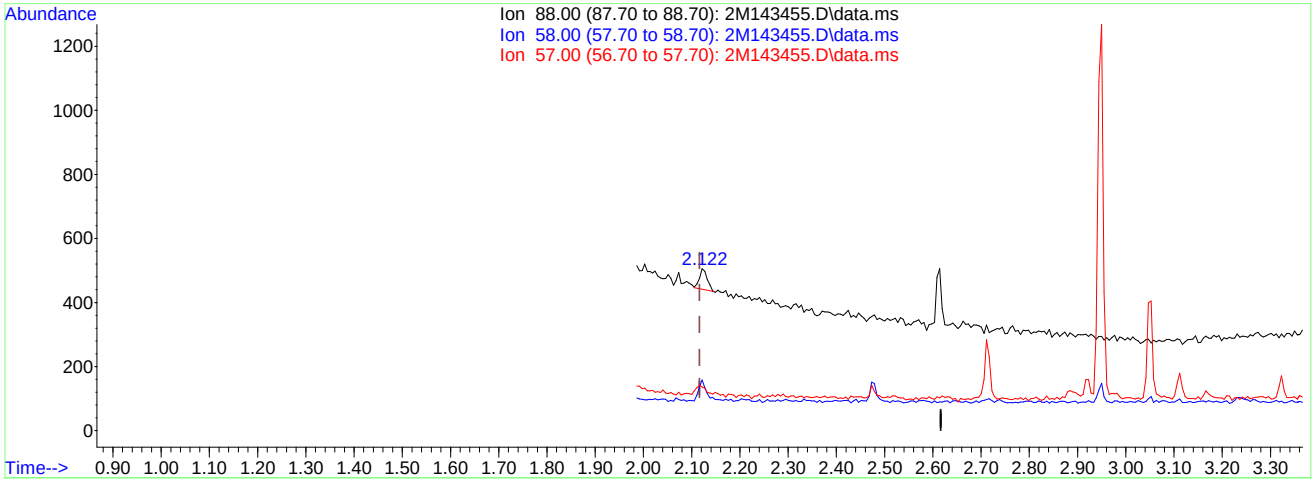
response 96

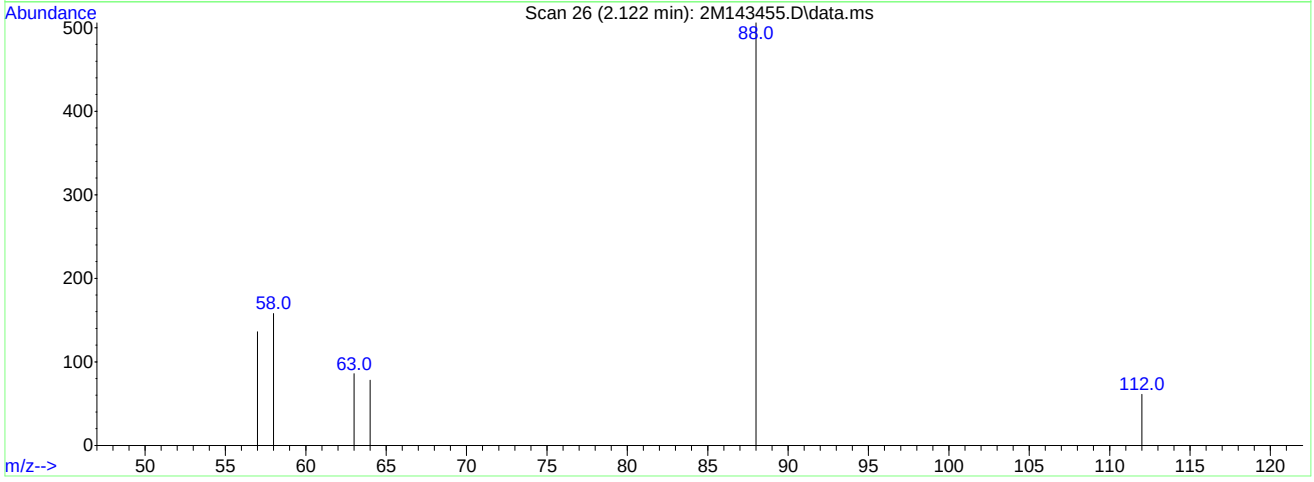
Ion	Exp%	Act%
88.00	100	100
58.00	86.80	95.45
57.00	28.90	21.97
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143455.D
Acq On : 18 Sep 2025 5:16 pm
Operator : rocquans
Sample : ic6496-0.004
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 19 10:13:56 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 09:56:26 2025
Response via : Initial Calibration





TIC: 2M143455.D\data.ms

(2) 1,4-Dioxane (t)

2.122min (+0.005) 5.13ppb m

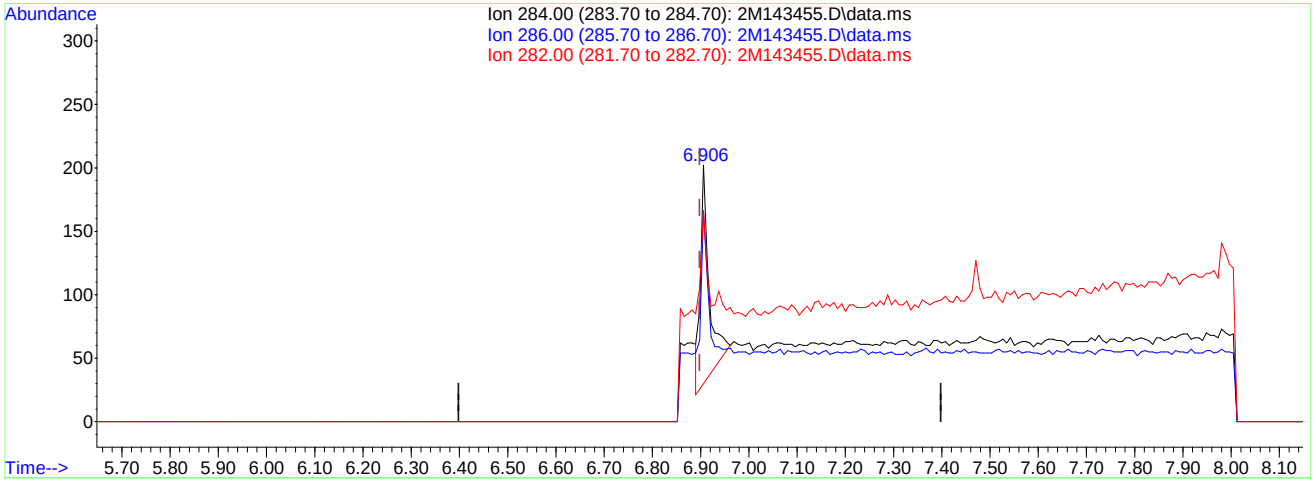
response 71

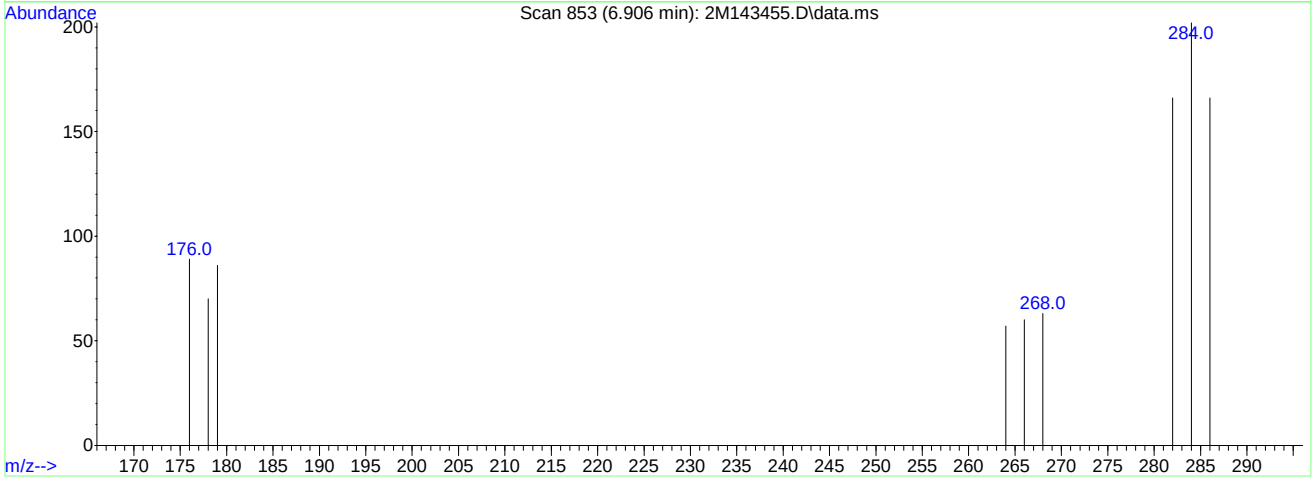
Ion	Exp%	Act%
88.00	100	100
58.00	86.80	31.23#
57.00	28.90	26.88
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143455.D
Acq On : 18 Sep 2025 5:16 pm
Operator : rocquans
Sample : ic6496-0.004
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 19 10:13:56 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 09:56:26 2025
Response via : Initial Calibration





TIC: 2M143455.D\data.ms

(20) Hexachlorobenzene (t)

6.906min (+0.008) 6.82ppb

response 219

Ion	Exp%	Act%
284.00	100	100
286.00	85.80	77.74
282.00	47.40	55.48
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Jon Kreigmor Mamanta 09/19/25 11:26

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143456.D
Acq On : 18 Sep 2025 5:36 pm
Operator : rocquans
Sample : ic6496-0.01
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 19 10:13:23 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 09:56:26 2025
Response via : Initial Calibration

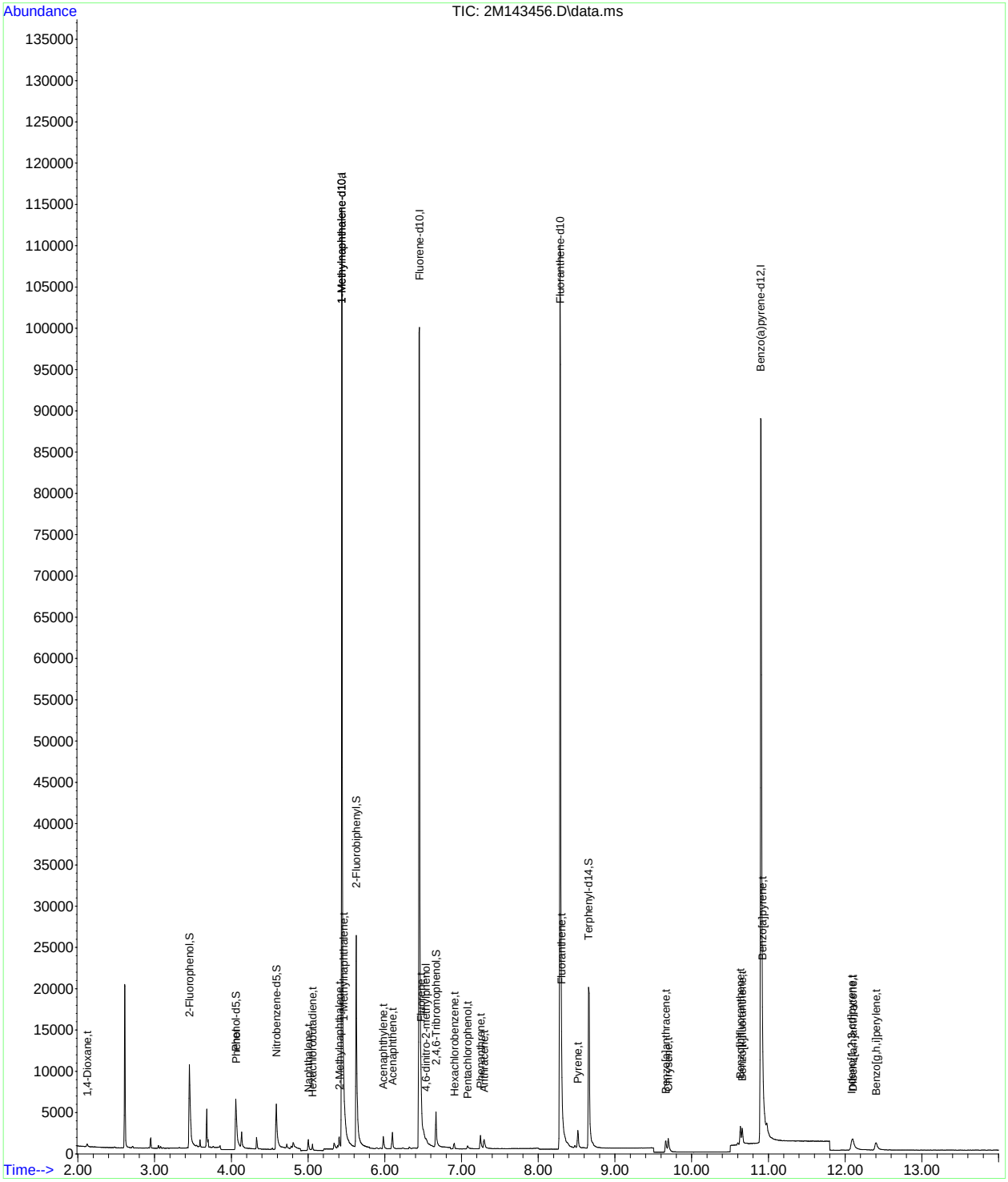
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	5.440	150	40261	800.00	ppb	0.00
12) Fluorene-d10	6.452	176	54507	800.00	ppb	0.00
19) Fluoranthene-d10	8.283	212	93262	800.00	ppb	0.00
29) Benzo(a)pyrene-d12	10.901	264	90668	800.00	ppb	0.00
36) 1-Methylnaphthalene-d10a	5.440	150	40261	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	3.453	112	5743	176.18	ppb	0.01
Spiked Amount 10000.000			Recovery =	1.76%		
4) Phenol-d5	4.059	99	5807	156.43	ppb	0.01
Spiked Amount 10000.000			Recovery =	1.56%		
6) Nitrobenzene-d5	4.585	82	5401	155.43	ppb	0.01
Spiked Amount 10000.000			Recovery =	1.55%		
13) 2-Fluorobiphenyl	5.629	172	16816	190.10	ppb	0.01
Spiked Amount 10000.000			Recovery =	1.90%		
18) 2,4,6-Tribromophenol	6.668	330	1920	156.16	ppb	0.01
Spiked Amount 10000.000			Recovery =	1.56%		
26) Terphenyl-d14	8.657	244	17773	179.57	ppb	0.00
Spiked Amount 10000.000			Recovery =	1.80%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.122	88	152m	10.86	ppb	
5) Phenol	4.066	94	1705	39.31	ppb	97
7) Naphthalene	5.003	128	1057	9.06	ppb	97
8) Hexachlorobutadiene	5.057	225	202	9.59	ppb	94
9) 2-Methylnaphthalene	5.406	141	635	8.94	ppb	93
10) 1-Methylnaphthalene	5.465	141	691	9.59	ppb	96
14) Acenaphthylene	5.980	152	1116	11.06	ppb	89
15) Acenaphthene	6.101	153	759m	8.66	ppb	
16) Fluorene	6.471	166	843	8.93	ppb	99
17) 4,6-dinitro-2-methylph...	6.535	198	230	26.89	ppb	83
20) Hexachlorobenzene	6.906	284	298m	9.40	ppb	
21) Pentachlorophenol	7.081	266	261	31.50	ppb	90
22) Phenanthrene	7.248	178	1345	10.01	ppb	98
23) Anthracene	7.296	178	1263	9.29	ppb	94
24) Fluoranthene	8.303	202	1778	11.21	ppb	98
25) Pyrene	8.515	202	1697	10.62	ppb	95
27) Benzo[a]anthracene	9.664	228	1136	9.45	ppb	95
28) Chrysene	9.696	228	1559	10.68	ppb	95
30) Benzo[b]fluoranthene	10.636	252	1460	9.92	ppb	98
31) Benzo[k]fluoranthene	10.657	252	1654	9.73	ppb	94
32) Benzo[a]pyrene	10.922	252	1740	10.73	ppb	94
33) Indeno[1,2,3-cd]pyrene	12.083	276	1910	8.74	ppb	95
34) Dibenz[a,h]anthracene	12.100	278	1501	8.45	ppb	73
35) Benzo[g,h,i]perylene	12.405	276	1586	8.90	ppb	98

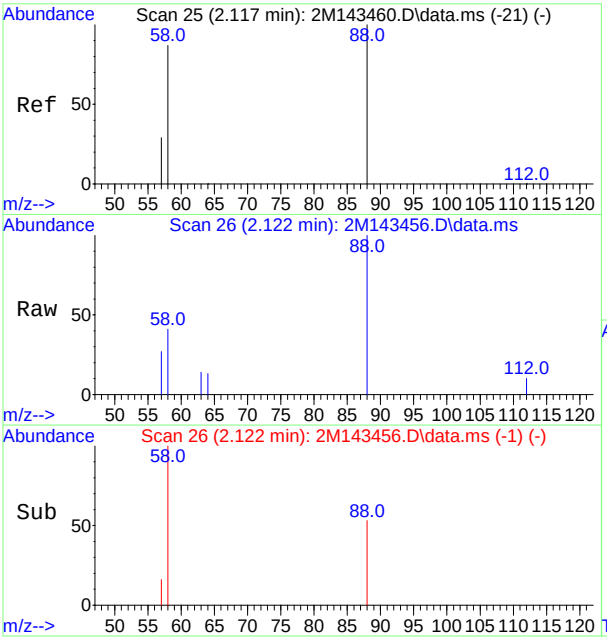
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143456.D
Acq On : 18 Sep 2025 5:36 pm
Operator : rocquans
Sample : ic6496-0.01
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 19 10:13:23 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 09:56:26 2025
Response via : Initial Calibration

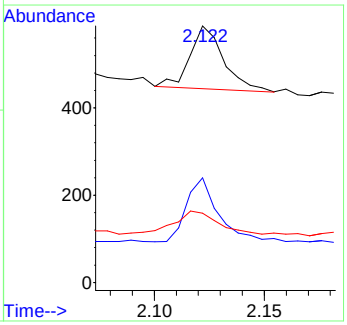


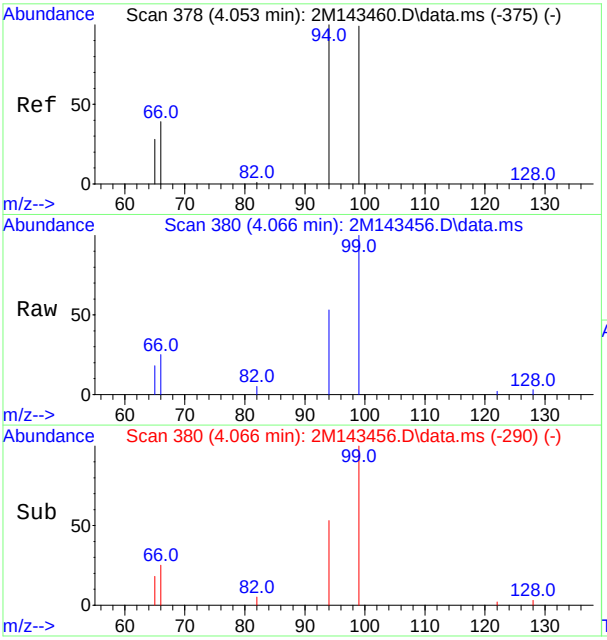


#2
1,4-Dioxane
Concen: 10.86 ppb m
RT: 2.122 min Scan# 26
Delta R.T. 0.005 min
Lab File: 2M143456.D
Acq: 18 Sep 2025 5:36 pm

Tgt Ion: 88 Resp: 152

Ion	Ratio	Lower	Upper
88	100		
58	40.8	66.8	106.8#
57	27.0	8.9	48.9

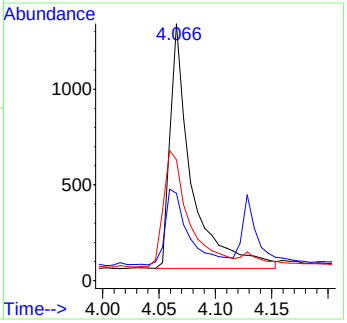


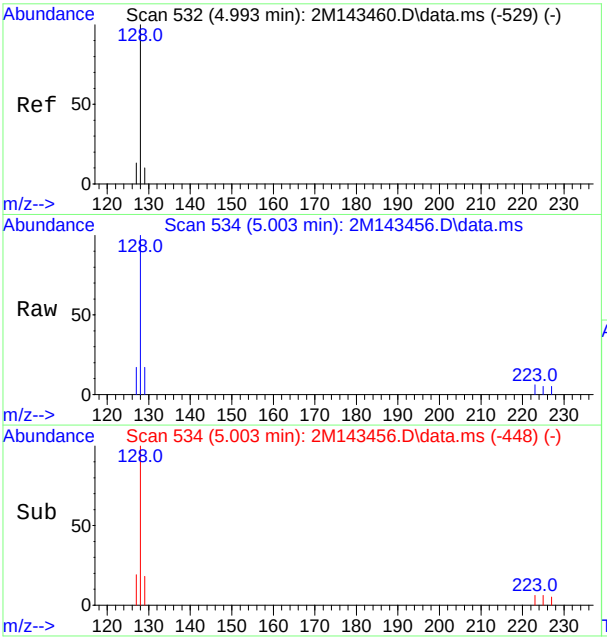


#5
Phenol
Concen: 39.31 ppb
RT: 4.066 min Scan# 380
Delta R.T. 0.012 min
Lab File: 2M143456.D
Acq: 18 Sep 2025 5:36 pm

Tgt Ion: 94 Resp: 1705

Ion	Ratio	Lower	Upper
94	100		
65	27.5	22.2	33.2
66	41.9	31.2	46.8

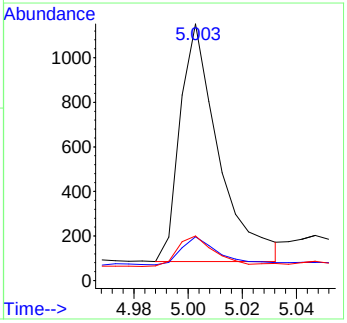


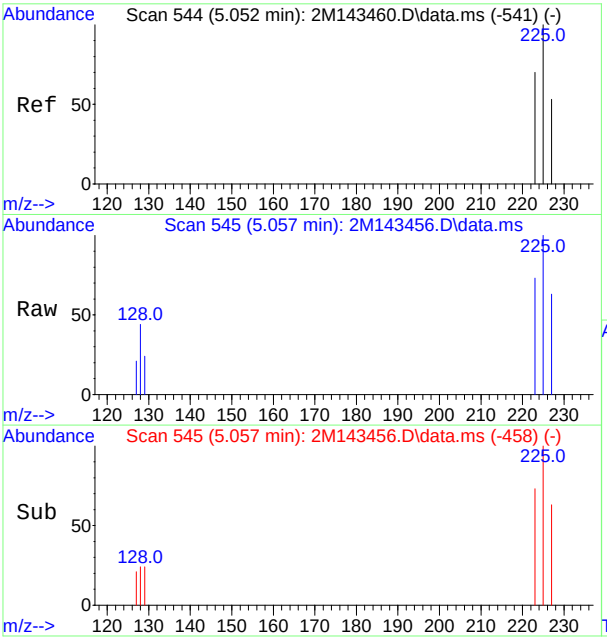


#7
Naphthalene
Concen: 9.06 ppb
RT: 5.003 min Scan# 534
Delta R.T. 0.010 min
Lab File: 2M143456.D
Acq: 18 Sep 2025 5:36 pm

Tgt Ion:128 Resp: 1057

Ion	Ratio	Lower	Upper
128	100		
129	11.7	0.0	40.0
127	12.6	0.0	43.4

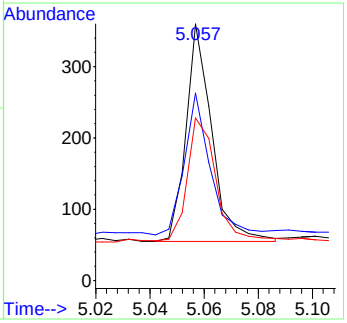


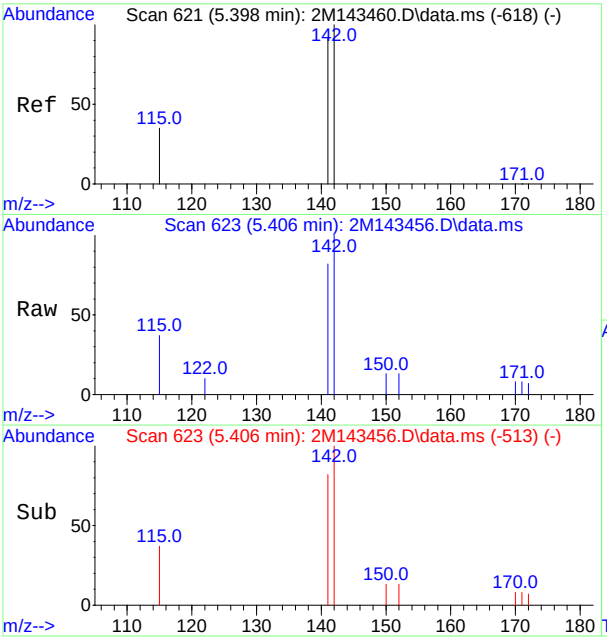


#8
Hexachlorobutadiene
Concen: 9.59 ppb
RT: 5.057 min Scan# 545
Delta R.T. 0.005 min
Lab File: 2M143456.D
Acq: 18 Sep 2025 5:36 pm

Tgt Ion:225 Resp: 202

Ion	Ratio	Lower	Upper
225	100		
223	64.7	40.1	100.1
227	56.3	23.2	83.2

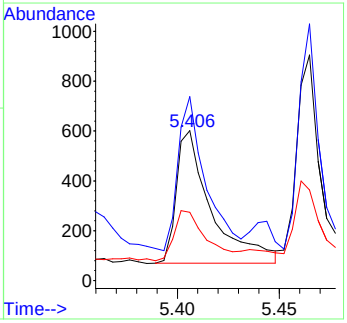


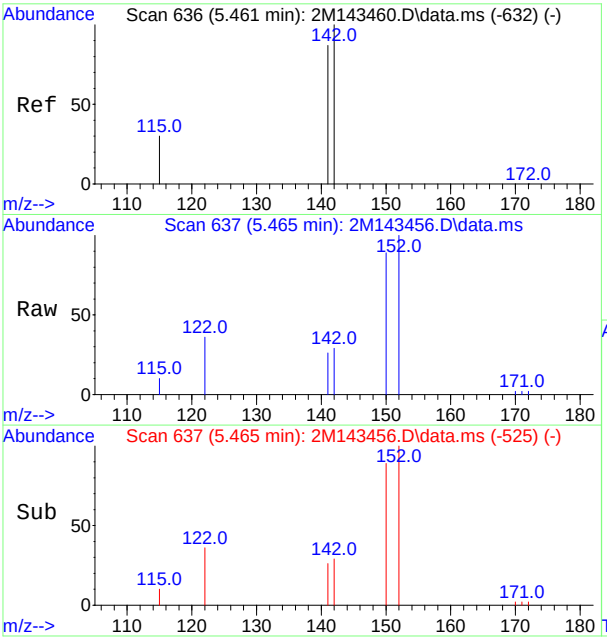


#9
2-Methylnaphthalene
Concen: 8.94 ppb
RT: 5.406 min Scan# 623
Delta R.T. 0.008 min
Lab File: 2M143456.D
Acq: 18 Sep 2025 5:36 pm

Tgt Ion:141 Resp: 635

Ion	Ratio	Lower	Upper
141	100		
142	117.3	79.2	139.2
115	35.1	8.0	68.0

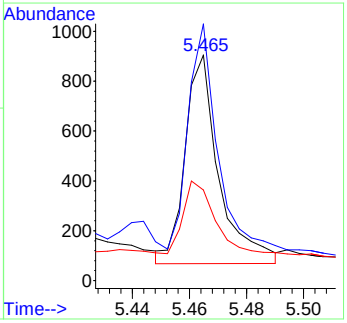


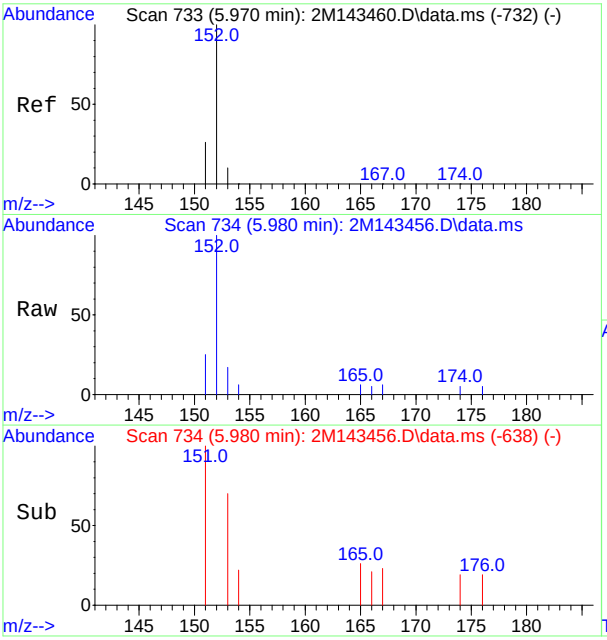


#10
1-Methylnaphthalene
Concen: 9.59 ppb
RT: 5.465 min Scan# 637
Delta R.T. 0.004 min
Lab File: 2M143456.D
Acq: 18 Sep 2025 5:36 pm

Tgt Ion:141 Resp: 691

Ion	Ratio	Lower	Upper
141	100		
142	111.7	85.6	145.6
115	31.9	4.2	64.2

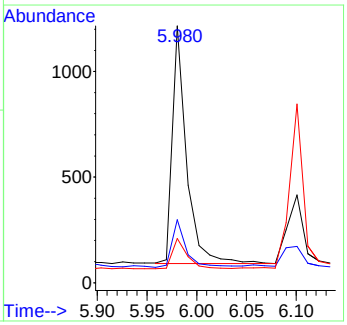


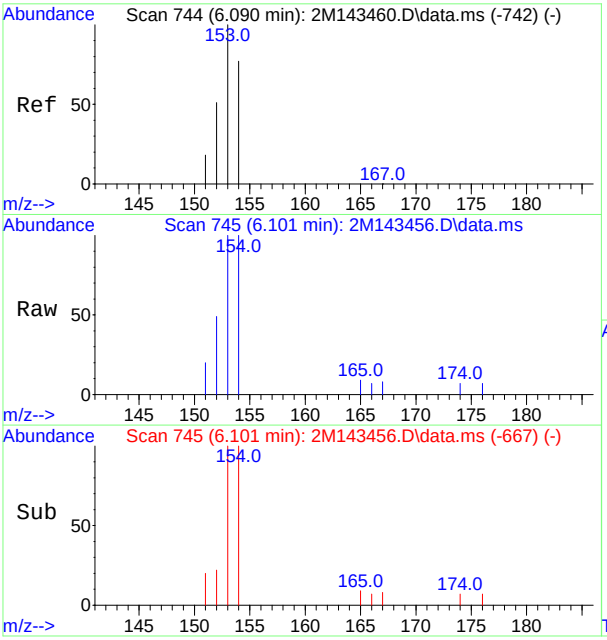


#14
Acenaphthylene
Concen: 11.06 ppb
RT: 5.980 min Scan# 734
Delta R.T. 0.011 min
Lab File: 2M143456.D
Acq: 18 Sep 2025 5:36 pm

Tgt Ion:152 Resp: 1116

Ion	Ratio	Lower	Upper
152	100		
151	19.8	0.0	55.9
153	12.6	0.0	39.6

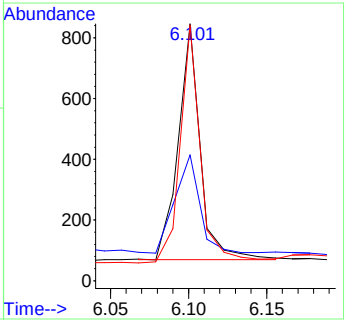


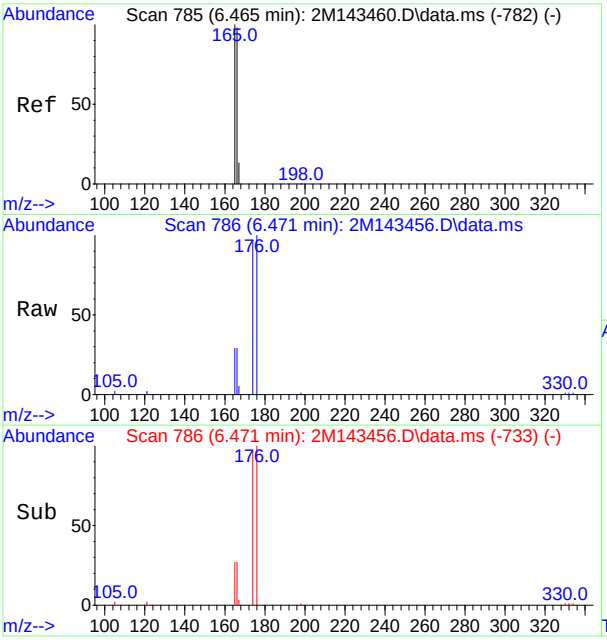


#15
Acenaphthene
Concen: 8.66 ppb m
RT: 6.101 min Scan# 745
Delta R.T. 0.011 min
Lab File: 2M143456.D
Acq: 18 Sep 2025 5:36 pm

Tgt Ion:153 Resp: 759

Ion	Ratio	Lower	Upper
153	100		
152	49.1	20.8	80.8
154	99.5	47.0	107.0

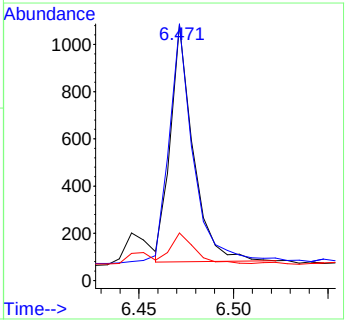


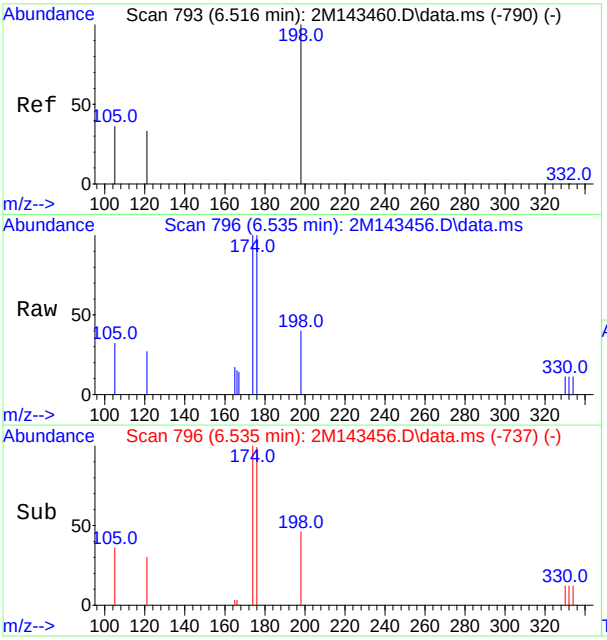


#16
Fluorene
Concen: 8.93 ppb
RT: 6.471 min Scan# 786
Delta R.T. 0.006 min
Lab File: 2M143456.D
Acq: 18 Sep 2025 5:36 pm

Tgt Ion:166 Resp: 843

Ion	Ratio	Lower	Upper
166	100		
165	100.7	72.1	132.1
167	12.3	0.0	43.0

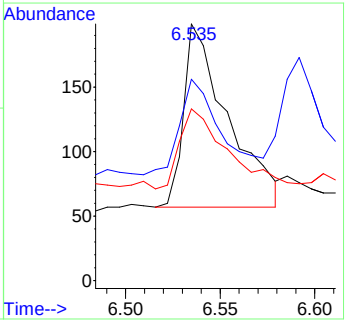


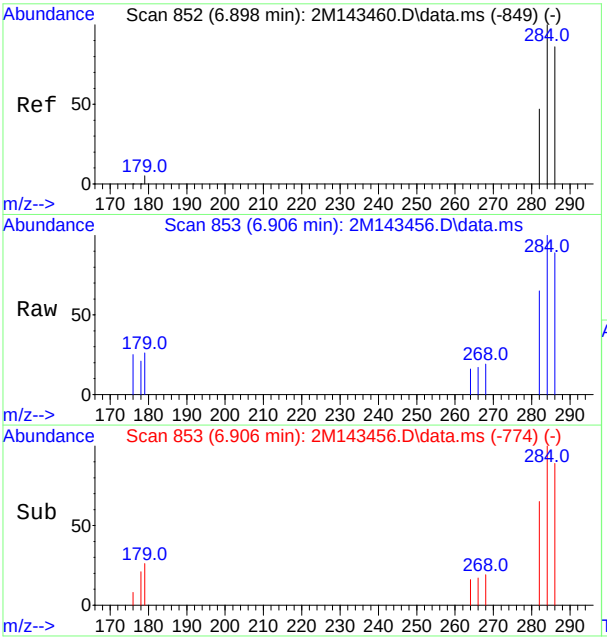


#17
4,6-dinitro-2-methylphenol
Concen: 26.89 ppb
RT: 6.535 min Scan# 796
Delta R.T. 0.019 min
Lab File: 2M143456.D
Acq: 18 Sep 2025 5:36 pm

Tgt Ion:198 Resp: 230

Ion	Ratio	Lower	Upper
198	100		
105	43.2	14.9	54.9
121	43.6	12.5	52.5

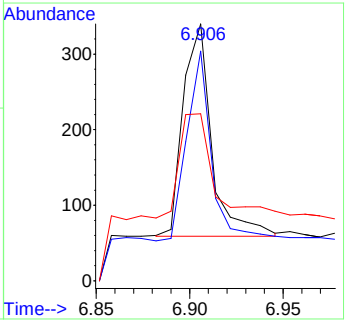


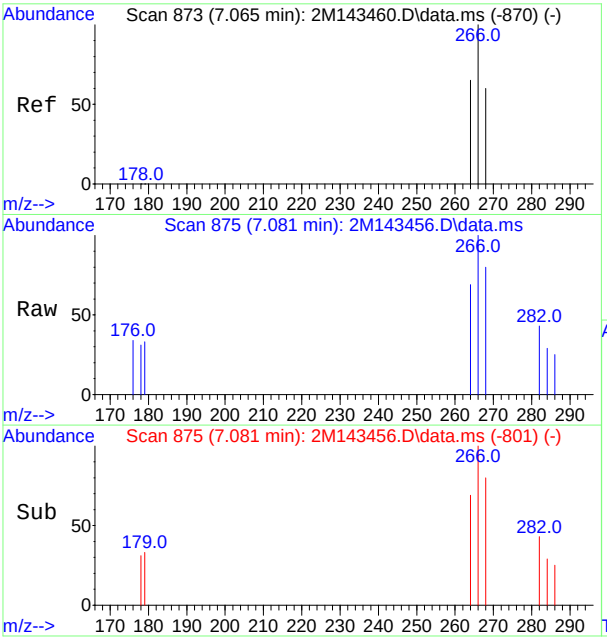


#20
Hexachlorobenzene
Concen: 9.40 ppb m
RT: 6.906 min Scan# 853
Delta R.T. 0.008 min
Lab File: 2M143456.D
Acq: 18 Sep 2025 5:36 pm

Tgt Ion:284 Resp: 298

Ion	Ratio	Lower	Upper
284	100		
286	89.4	55.8	115.8
282	65.0	17.4	77.4

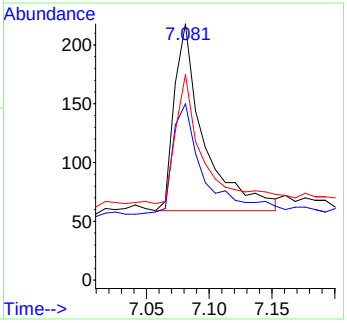


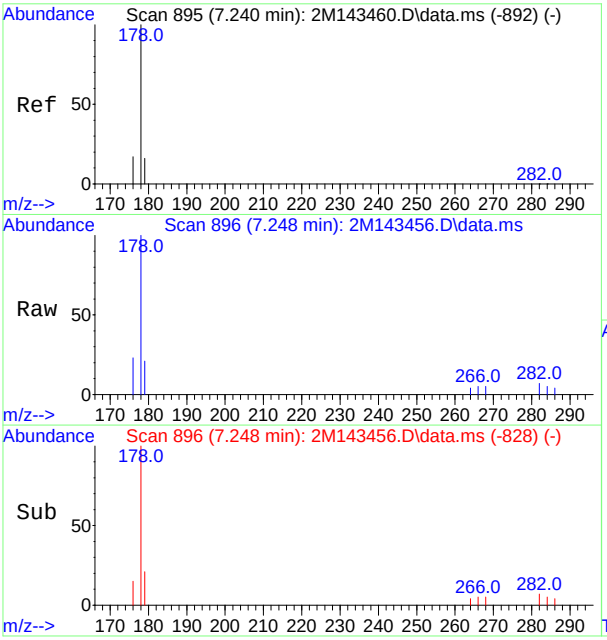


#21
Pentachlorophenol
Concen: 31.50 ppb
RT: 7.081 min Scan# 875
Delta R.T. 0.016 min
Lab File: 2M143456.D
Acq: 18 Sep 2025 5:36 pm

Tgt Ion:266 Resp: 261

Ion	Ratio	Lower	Upper
266	100		
264	58.1	35.4	95.4
268	68.8	30.0	90.0

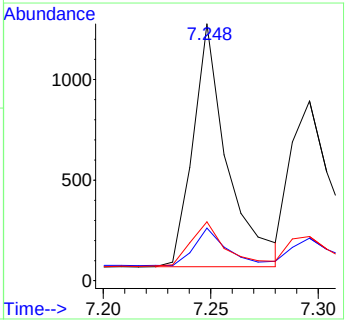


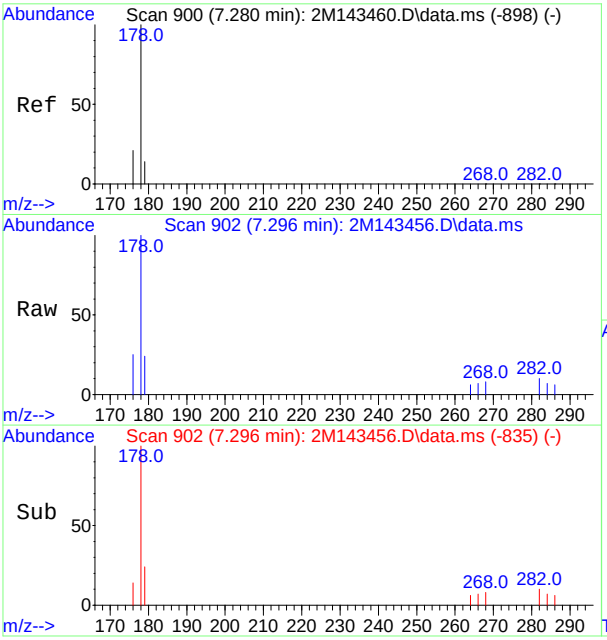


#22
Phenanthrene
Concen: 10.01 ppb
RT: 7.248 min Scan# 896
Delta R.T. 0.008 min
Lab File: 2M143456.D
Acq: 18 Sep 2025 5:36 pm

Tgt Ion:178 Resp: 1345

Ion	Ratio	Lower	Upper
178	100		
179	15.3	0.0	46.1
176	18.1	0.0	47.1

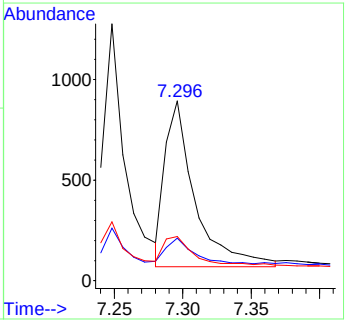


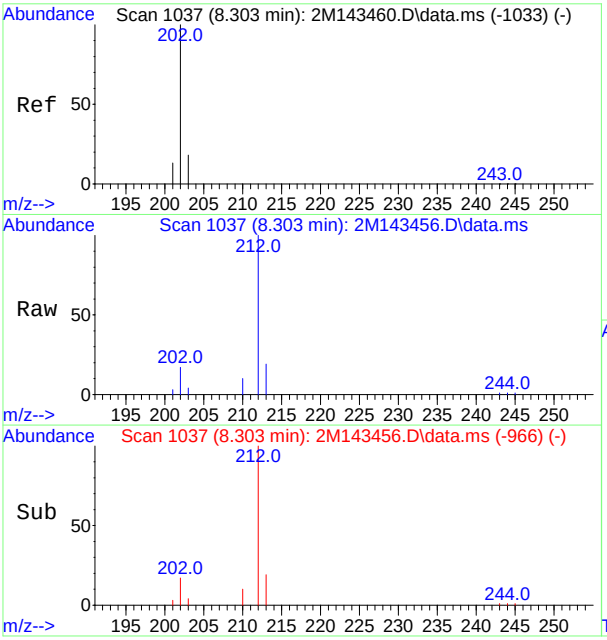


#23
Anthracene
Concen: 9.29 ppb
RT: 7.296 min Scan# 902
Delta R.T. 0.016 min
Lab File: 2M143456.D
Acq: 18 Sep 2025 5:36 pm

Tgt Ion:178 Resp: 1263

Ion	Ratio	Lower	Upper
178	100		
179	16.1	0.0	44.2
176	17.7	0.0	50.7

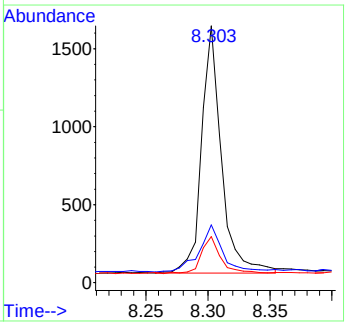


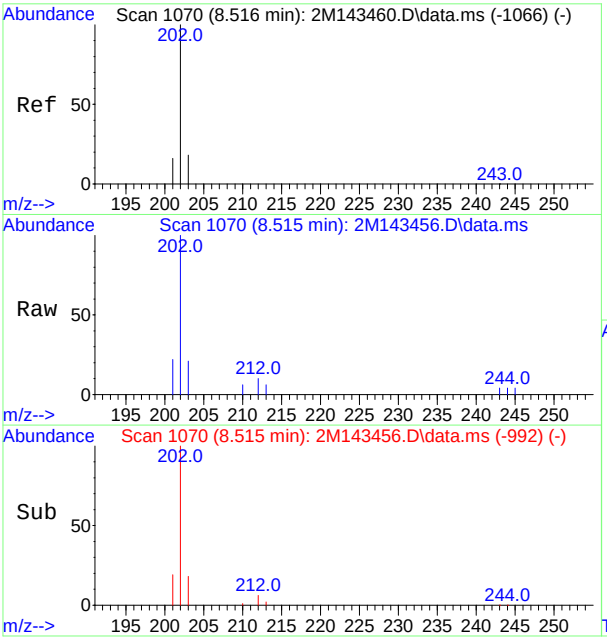


#24
Fluoranthene
Concen: 11.21 ppb
RT: 8.303 min Scan# 1037
Delta R.T. -0.000 min
Lab File: 2M143456.D
Acq: 18 Sep 2025 5:36 pm

Tgt Ion:202 Resp: 1778

Ion	Ratio	Lower	Upper
202	100		
203	18.6	0.0	47.9
201	14.6	0.0	43.2

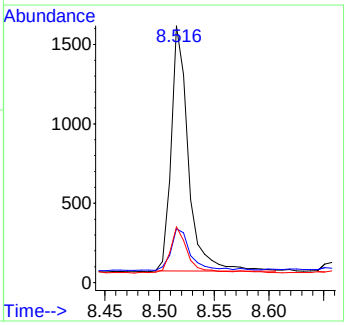


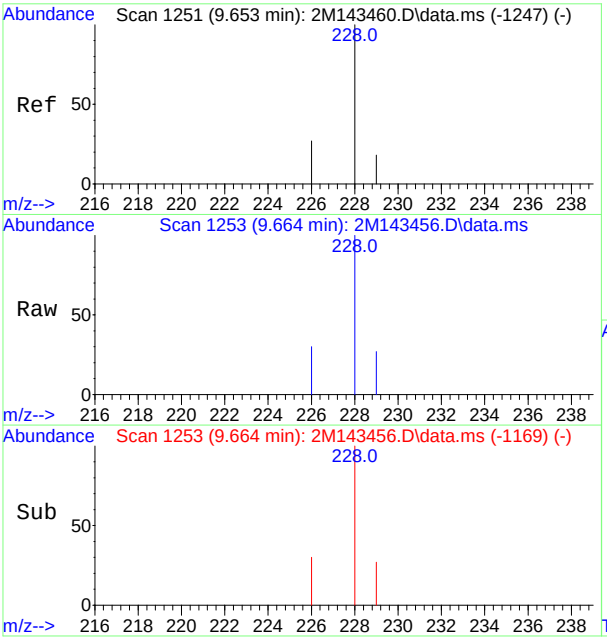


#25
Pyrene
Concen: 10.62 ppb
RT: 8.515 min Scan# 1070
Delta R.T. -0.000 min
Lab File: 2M143456.D
Acq: 18 Sep 2025 5:36 pm

Tgt Ion:202 Resp: 1697

Ion	Ratio	Lower	Upper
202	100		
203	16.8	0.0	48.3
201	18.7	0.0	46.1

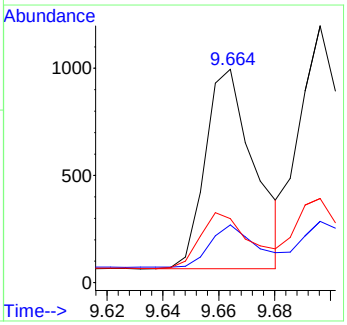


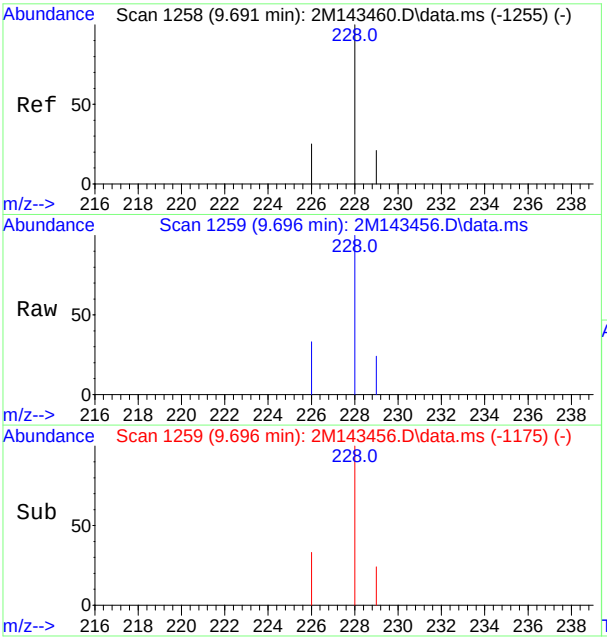


#27
Benzo[a]anthracene
Concen: 9.45 ppb
RT: 9.664 min Scan# 1253
Delta R.T. 0.011 min
Lab File: 2M143456.D
Acq: 18 Sep 2025 5:36 pm

Tgt Ion:228 Resp: 1136

Ion	Ratio	Lower	Upper
228	100		
229	21.1	0.0	48.4
226	24.1	0.0	56.5

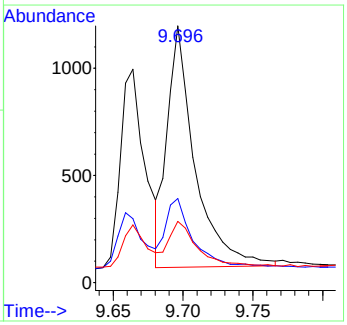


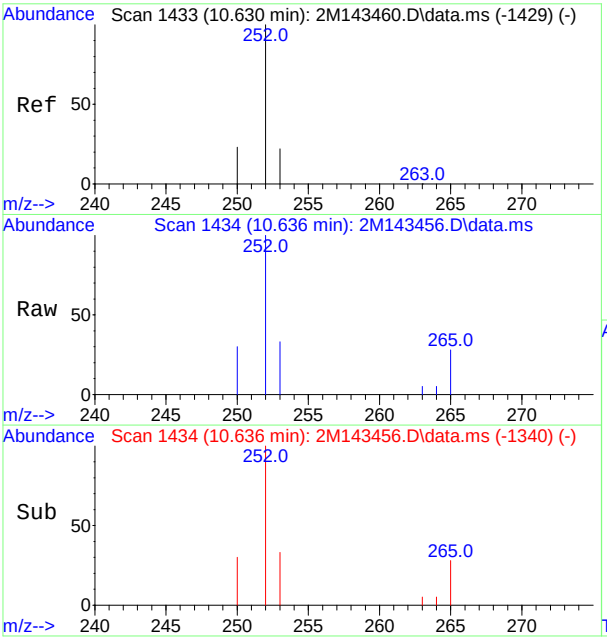


#28
Chrysene
Concen: 10.68 ppb
RT: 9.696 min Scan# 1259
Delta R.T. 0.005 min
Lab File: 2M143456.D
Acq: 18 Sep 2025 5:36 pm

Tgt Ion:228 Resp: 1559

Ion	Ratio	Lower	Upper
228	100		
226	28.7	0.0	55.9
229	18.5	0.0	50.5

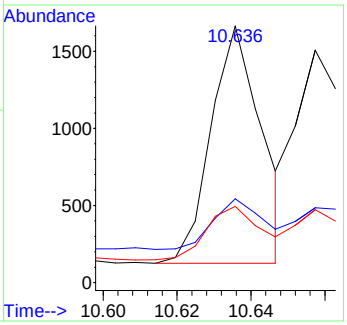


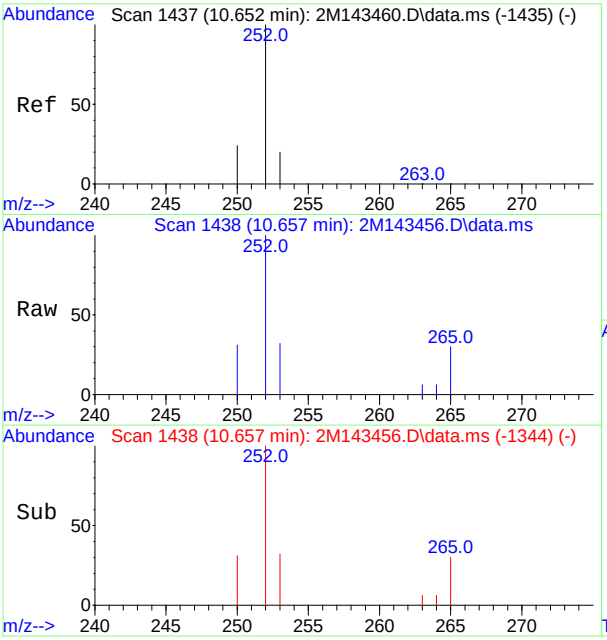


#30
Benzo[b]fluoranthene
Concen: 9.92 ppb
RT: 10.636 min Scan# 1434
Delta R.T. 0.005 min
Lab File: 2M143456.D
Acq: 18 Sep 2025 5:36 pm

Tgt Ion:252 Resp: 1460

Ion	Ratio	Lower	Upper
252	100		
253	21.2	0.0	52.3
250	21.8	0.0	52.9

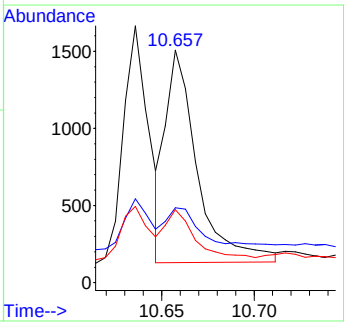


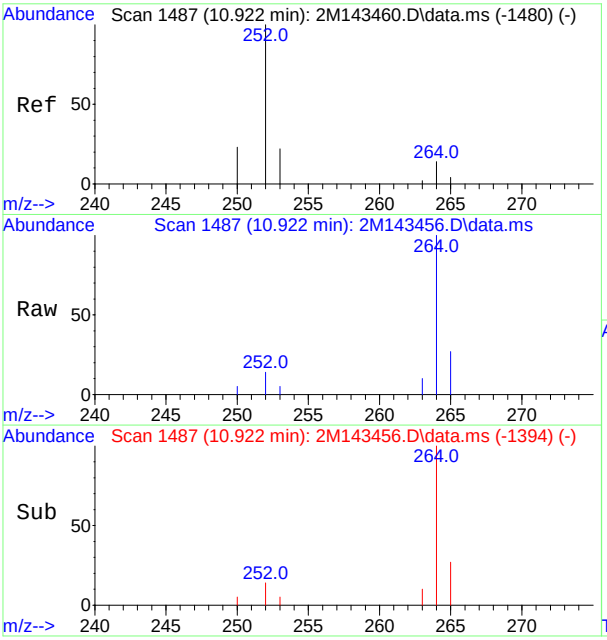


#31
Benzo[k]fluoranthene
Concen: 9.73 ppb
RT: 10.657 min Scan# 1438
Delta R.T. 0.005 min
Lab File: 2M143456.D
Acq: 18 Sep 2025 5:36 pm

Tgt Ion:252 Resp: 1654

Ion	Ratio	Lower	Upper
252	100		
253	18.1	0.0	51.6
250	22.2	0.0	54.5

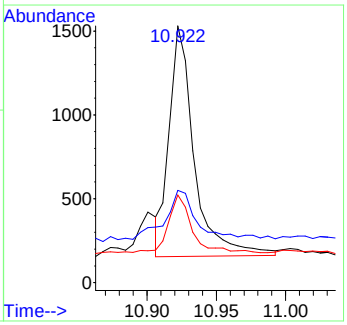


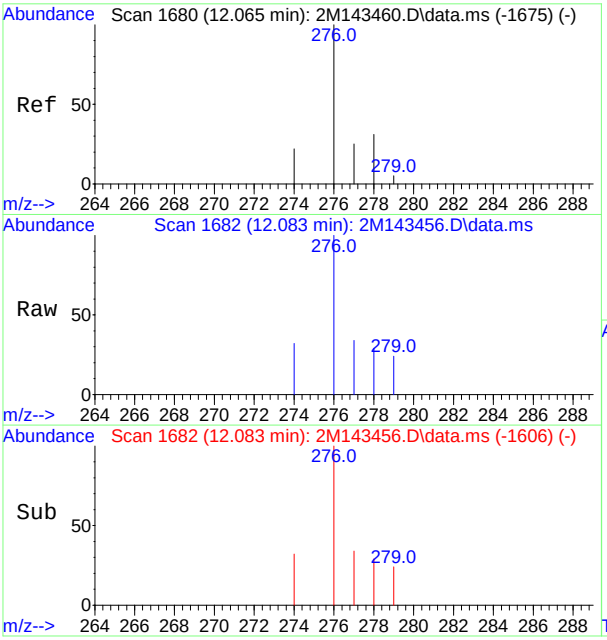


#32
Benzo[a]pyrene
Concen: 10.73 ppb
RT: 10.922 min Scan# 1487
Delta R.T. -0.000 min
Lab File: 2M143456.D
Acq: 18 Sep 2025 5:36 pm

Tgt Ion:252 Resp: 1740

Ion	Ratio	Lower	Upper
252	100		
253	20.6	0.0	52.4
250	26.9	0.0	53.4

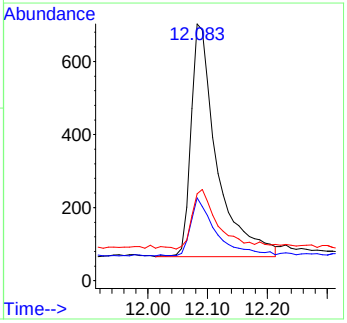


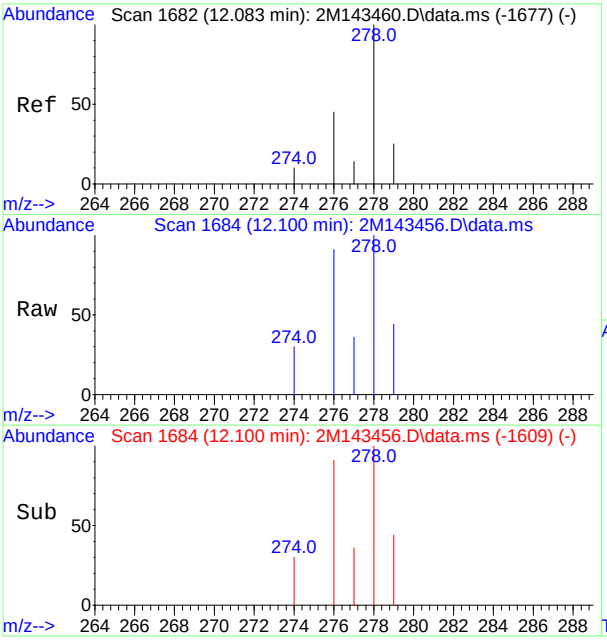


#33
Indeno[1,2,3-cd]pyrene
Concen: 8.74 ppb
RT: 12.083 min Scan# 1682
Delta R.T. 0.017 min
Lab File: 2M143456.D
Acq: 18 Sep 2025 5:36 pm

Tgt Ion:276 Resp: 1910

Ion	Ratio	Lower	Upper
276	100		
274	25.3	0.0	52.2
277	23.1	0.0	54.9

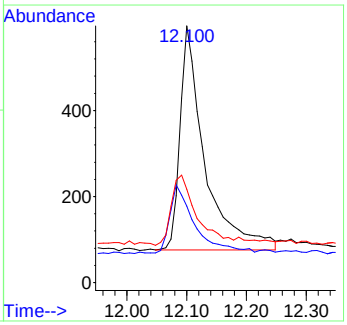


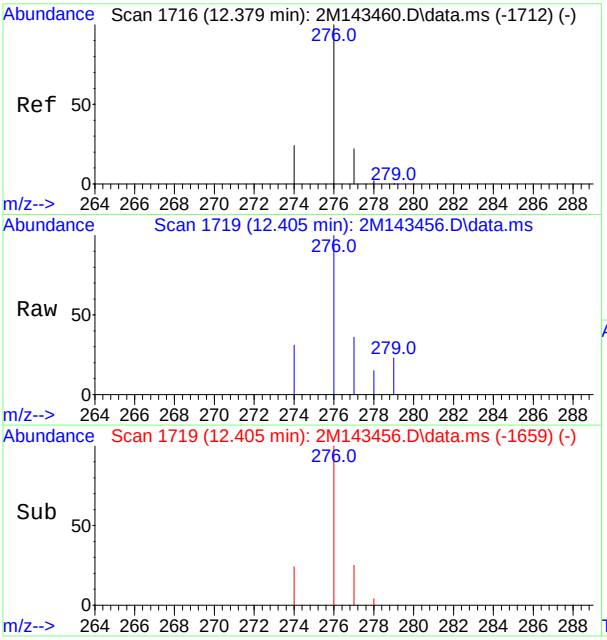


#34
Dibenz[a,h]anthracene
Concen: 8.45 ppb
RT: 12.100 min Scan# 1684
Delta R.T. 0.017 min
Lab File: 2M143456.D
Acq: 18 Sep 2025 5:36 pm

Tgt Ion:278 Resp: 1501

Ion	Ratio	Lower	Upper
278	100		
274	21.1	0.0	40.7
277	24.7	0.0	44.0

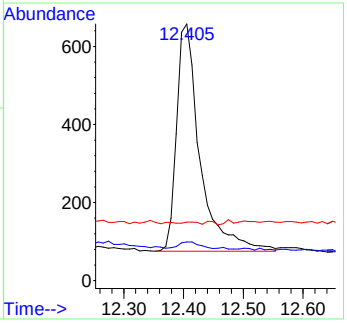




#35
Benzo[g,h,i]perylene
Concen: 8.90 ppb
RT: 12.405 min Scan# 1719
Delta R.T. 0.026 min
Lab File: 2M143456.D
Acq: 18 Sep 2025 5:36 pm

Tgt Ion:276 Resp: 1586

Ion	Ratio	Lower	Upper
276	100		
278	2.8	0.0	32.2
279	0.1	0.0	30.1



Manual Integration Approval Summary

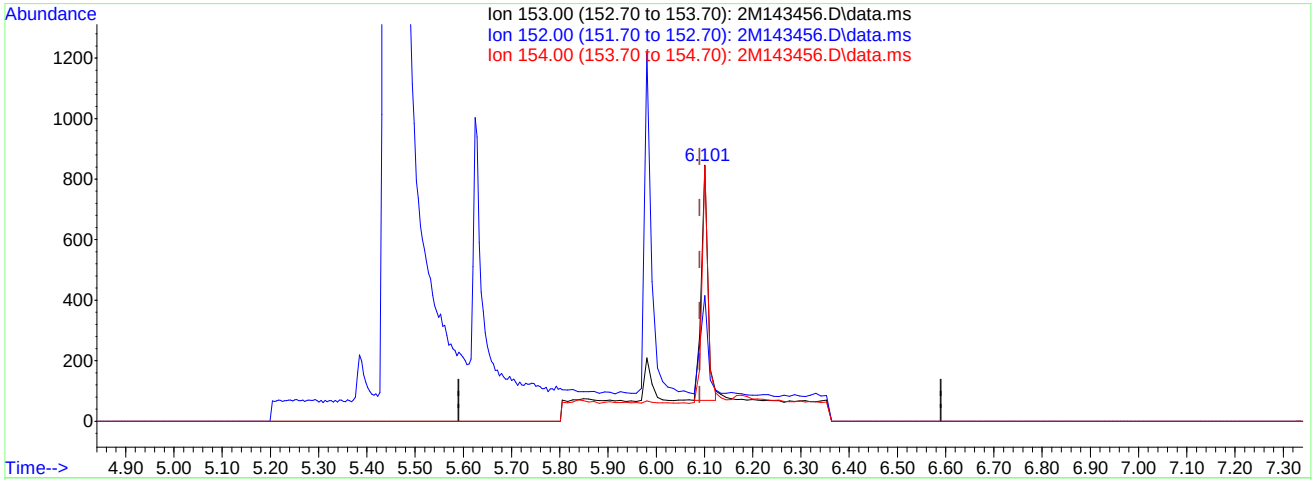
Sample Number: E2M6496-IC6496
Lab FileID: 2M143456.D
Injection Time: 09/18/25 17:36
Method: SW846 8270E BY SIM
Analyst approved: 09/19/25 10:52 Ying Li
Supervisor approved: 09/19/25 11:26 Jon Kreigmor Mamanta

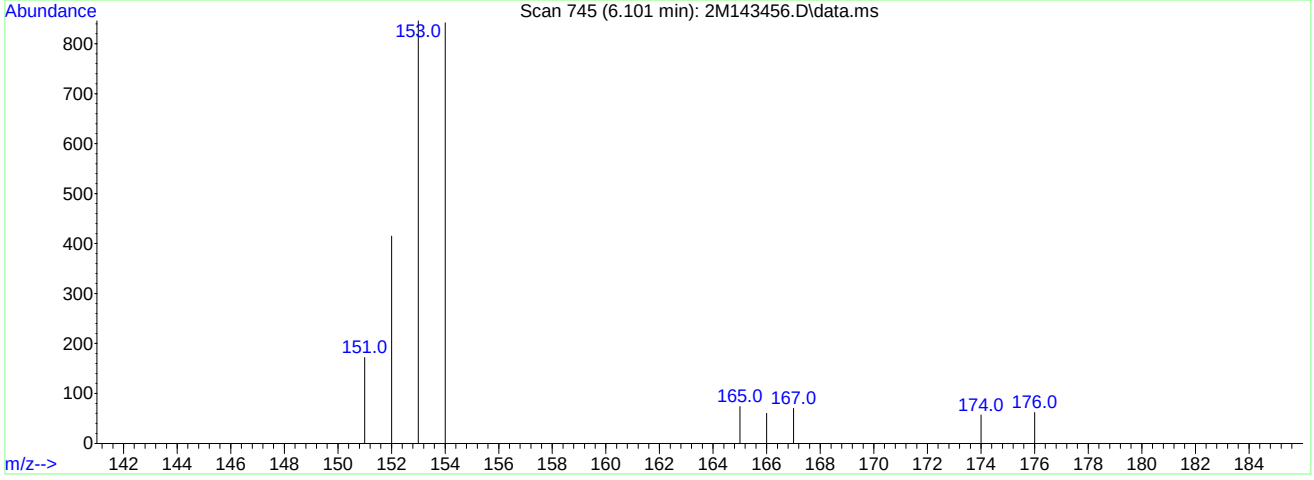
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,4-Dioxane	123-91-1		2.12	Poor instrument integration
Acenaphthene	83-32-9		6.10	Poor instrument integration
Hexachlorobenzene	118-74-1		6.91	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143456.D
Acq On : 18 Sep 2025 5:36 pm
Operator : rocquans
Sample : ic6496-0.01
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 19 10:11:55 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 09:56:26 2025
Response via : Initial Calibration





TIC: 2M143456.D\data.ms

(15) Acenaphthene (t)

6.101min (+0.011) 8.45ppb

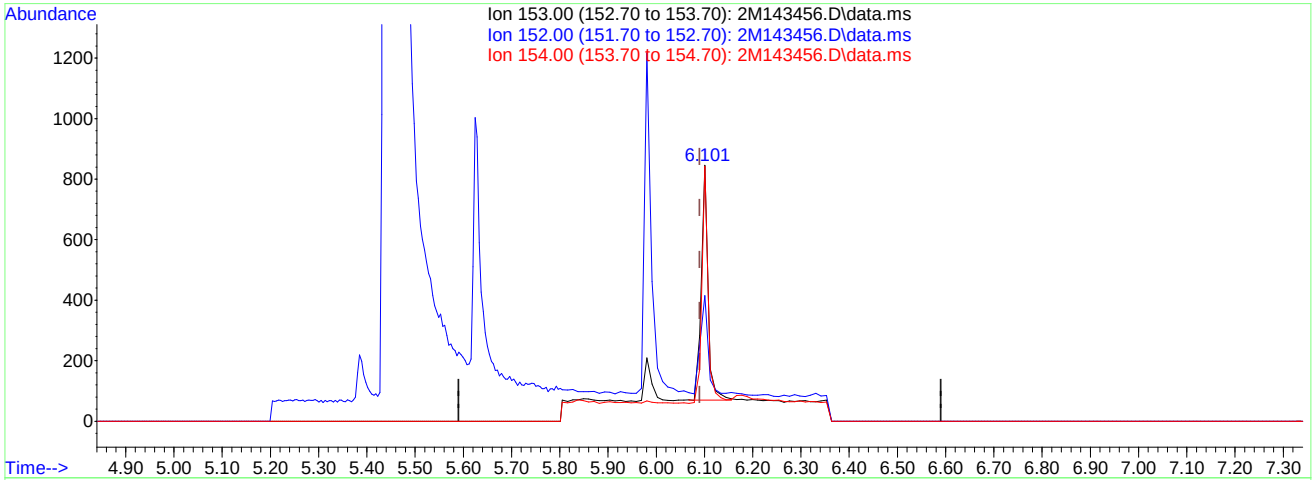
response 741

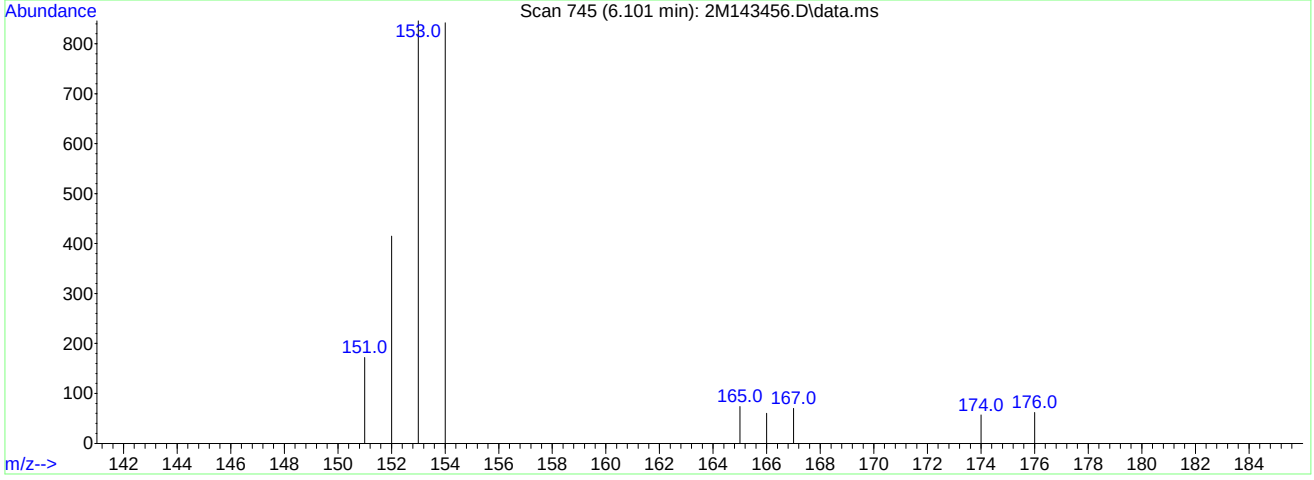
Ion	Exp%	Act%
153.00	100	100
152.00	50.80	41.72
154.00	77.00	100.39
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143456.D
Acq On : 18 Sep 2025 5:36 pm
Operator : rocquans
Sample : ic6496-0.01
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 19 10:11:55 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 09:56:26 2025
Response via : Initial Calibration





TIC: 2M143456.D\data.ms

(15) Acenaphthene (t)

6.101min (+0.011) 8.66ppb m

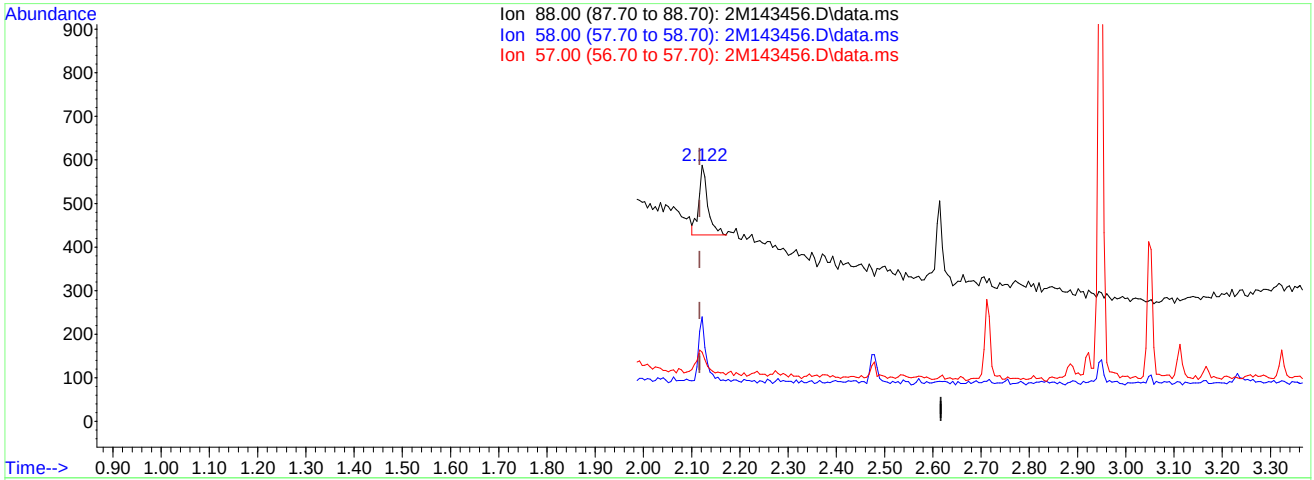
response 759

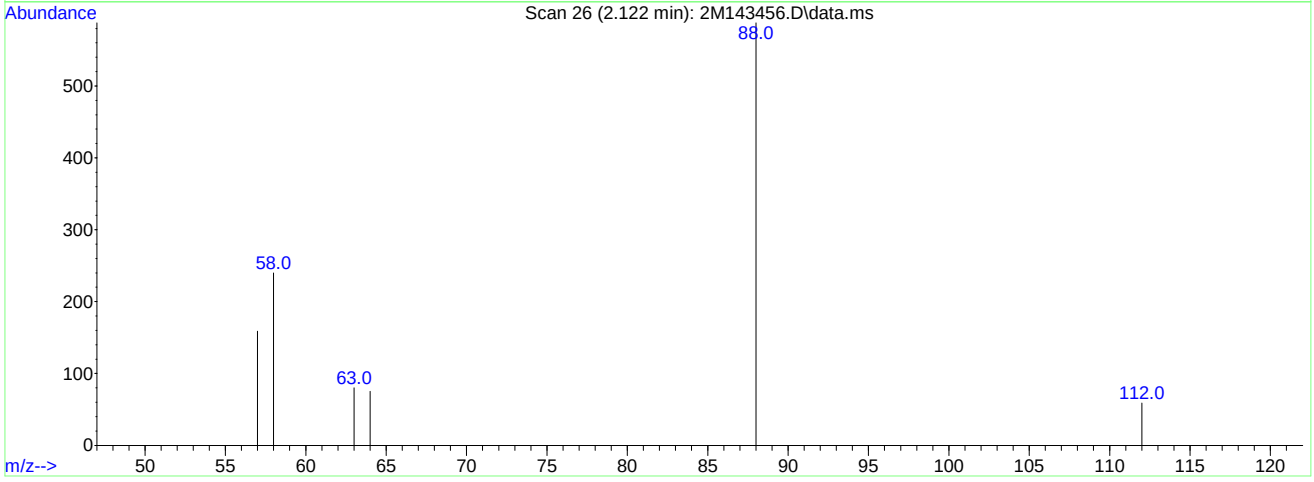
Ion	Exp%	Act%
153.00	100	100
152.00	50.80	49.05
154.00	77.00	99.53
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143456.D
Acq On : 18 Sep 2025 5:36 pm
Operator : rocquans
Sample : ic6496-0.01
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 19 10:11:55 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 09:56:26 2025
Response via : Initial Calibration





TIC: 2M143456.D\data.ms

(2) 1,4-Dioxane (t)

2.122min (+0.005) 14.65ppb

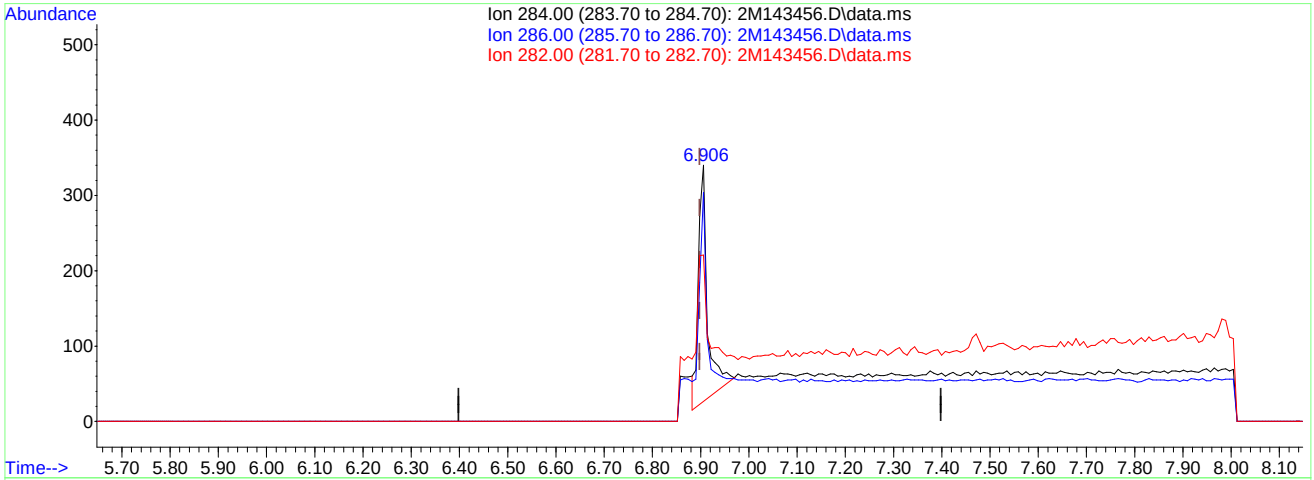
response 205

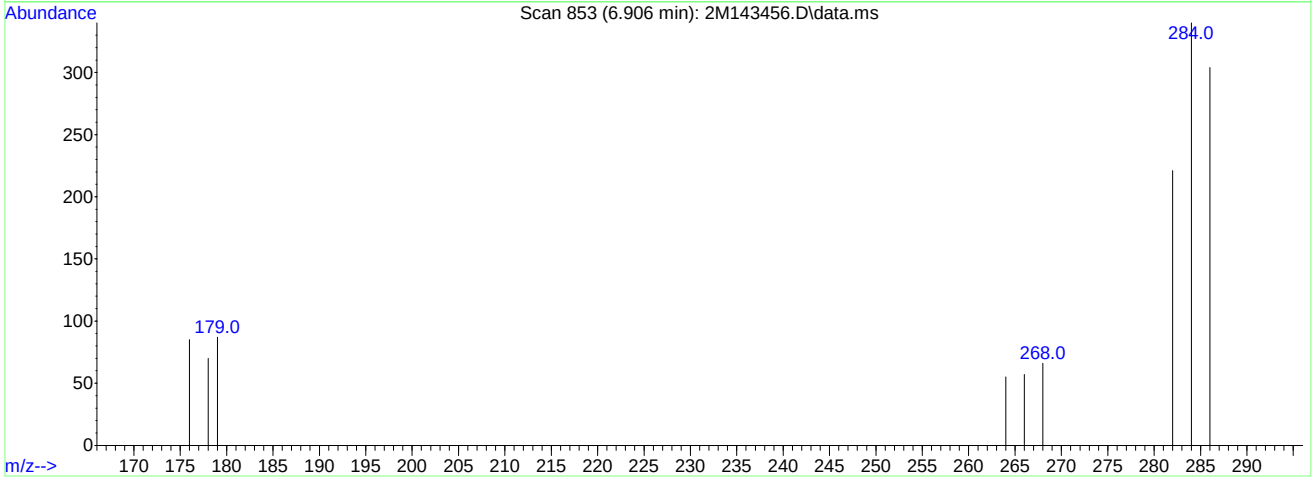
Ion	Exp%	Act%
88.00	100	100
58.00	86.80	98.33
57.00	28.90	30.77
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143456.D
Acq On : 18 Sep 2025 5:36 pm
Operator : rocquans
Sample : ic6496-0.01
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 19 10:11:55 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 09:56:26 2025
Response via : Initial Calibration





TIC: 2M143456.D\data.ms

(20) Hexachlorobenzene (t)

6.906min (+0.008) 13.21ppb

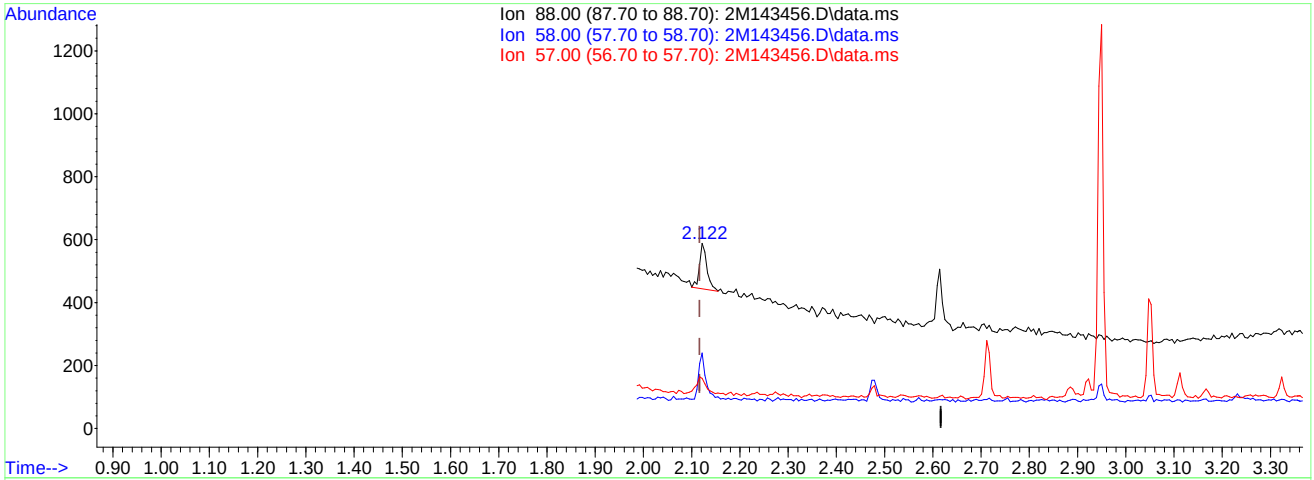
response 419

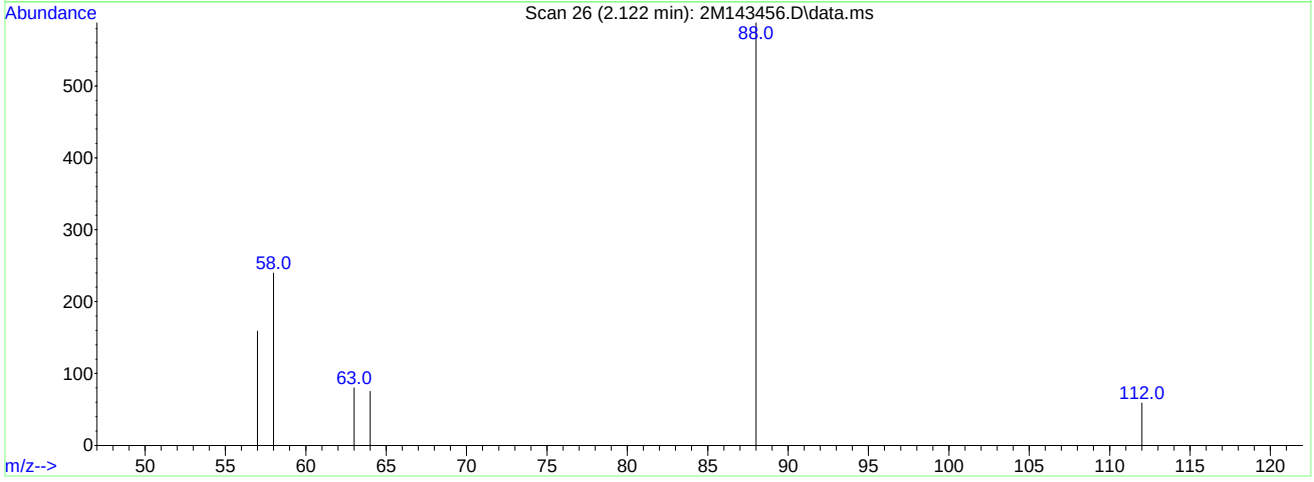
Ion	Exp%	Act%
284.00	100	100
286.00	85.80	88.61
282.00	47.40	48.58
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143456.D
Acq On : 18 Sep 2025 5:36 pm
Operator : rocquans
Sample : ic6496-0.01
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 19 10:11:55 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 09:56:26 2025
Response via : Initial Calibration





TIC: 2M143456.D\data.ms

(2) 1,4-Dioxane (t)

2.122min (+0.005) 10.86ppb m

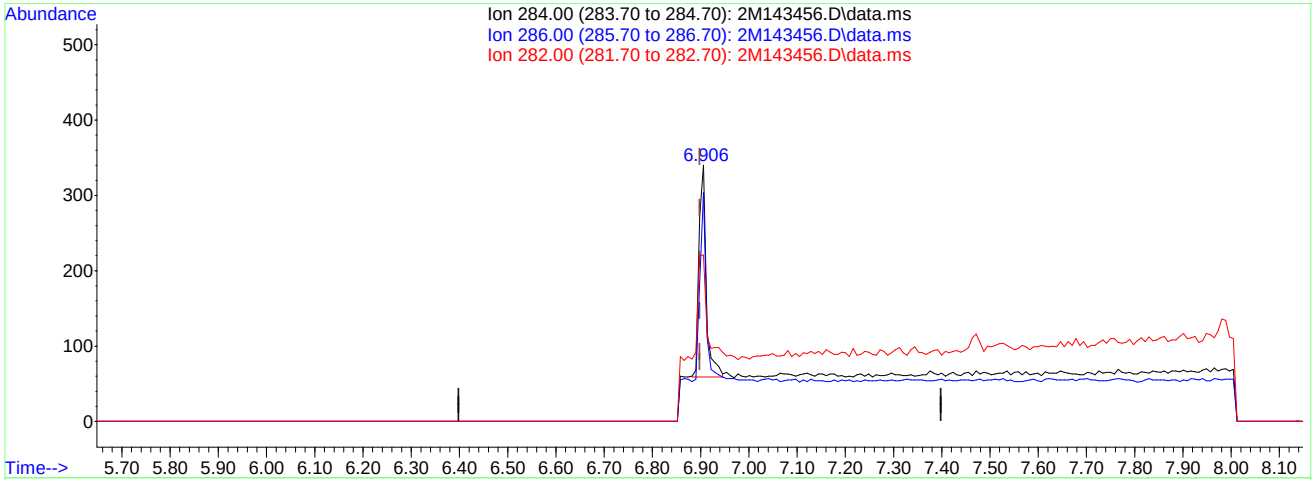
response 152

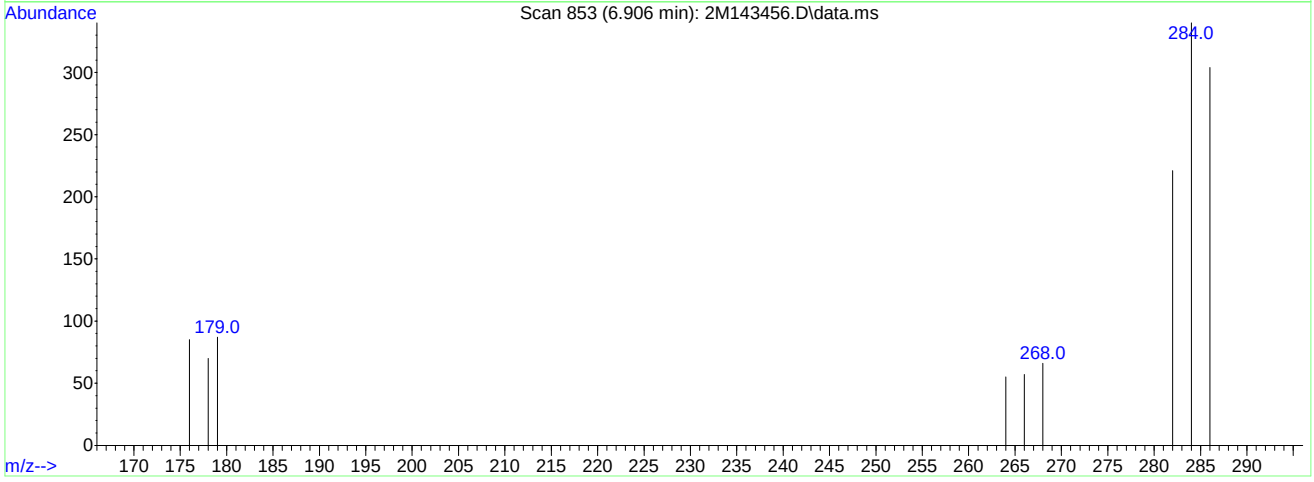
Ion	Exp%	Act%
88.00	100	100
58.00	86.80	40.82#
57.00	28.90	27.04
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143456.D
Acq On : 18 Sep 2025 5:36 pm
Operator : rocquans
Sample : ic6496-0.01
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 19 10:11:55 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 09:56:26 2025
Response via : Initial Calibration





TIC: 2M143456.D\data.ms

(20) Hexachlorobenzene (t)

6.906min (+0.008) 9.40ppb m

response 298

Ion	Exp%	Act%
284.00	100	100
286.00	85.80	89.41
282.00	47.40	65.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Jon Kreigmor Mamanta 09/19/25 11:26

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143457.D
Acq On : 18 Sep 2025 5:57 pm
Operator : rocquans
Sample : ic6496-0.02
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 19 10:11:26 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 09:56:26 2025
Response via : Initial Calibration

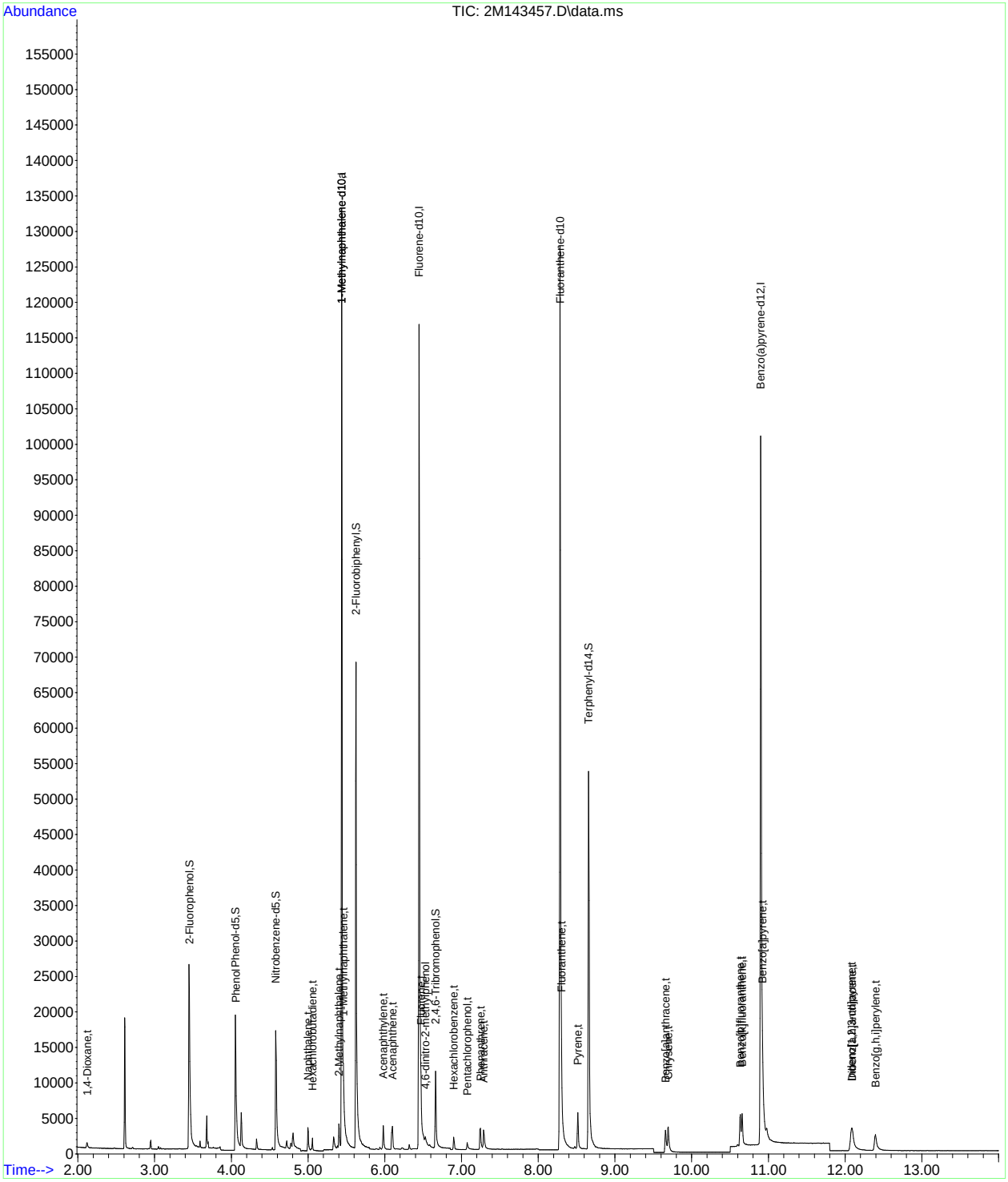
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	5.440	150	39851	800.00	ppb	0.00
12) Fluorene-d10	6.446	176	54824	800.00	ppb	0.00
19) Fluoranthene-d10	8.283	212	97027	800.00	ppb	0.00
29) Benzo(a)pyrene-d12	10.901	264	91298	800.00	ppb	0.00
36) 1-Methylnaphthalene-d10a	5.440	150	39851	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	3.453	112	13091	405.72	ppb	0.01
Spiked Amount 10000.000			Recovery =	4.06%		
4) Phenol-d5	4.053	99	14234	387.38	ppb	0.00
Spiked Amount 10000.000			Recovery =	3.87%		
6) Nitrobenzene-d5	4.579	82	13458	391.27	ppb	0.00
Spiked Amount 10000.000			Recovery =	3.91%		
13) 2-Fluorobiphenyl	5.625	172	37988	426.96	ppb	0.00
Spiked Amount 10000.000			Recovery =	4.27%		
18) 2,4,6-Tribromophenol	6.662	330	4547	367.69	ppb	0.00
Spiked Amount 10000.000			Recovery =	3.68%		
26) Terphenyl-d14	8.657	244	40611	394.39	ppb	0.00
Spiked Amount 10000.000			Recovery =	3.94%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.122	88	299m	21.59	ppb	
5) Phenol	4.059	94	4102	95.54	ppb	91
7) Naphthalene	4.998	128	2305	19.96	ppb	98
8) Hexachlorobutadiene	5.057	225	454	21.78	ppb	87
9) 2-Methylnaphthalene	5.402	141	1401	19.92	ppb	98
10) 1-Methylnaphthalene	5.461	141	1581	22.17	ppb	93
14) Acenaphthylene	5.980	152	2369	23.35	ppb	86
15) Acenaphthene	6.101	153	1578m	17.89	ppb	
16) Fluorene	6.471	166	1859	19.58	ppb	98
17) 4,6-dinitro-2-methylph...	6.528	198	685	79.62	ppb	82
20) Hexachlorobenzene	6.898	284	667m	20.21	ppb	
21) Pentachlorophenol	7.073	266	631	73.19	ppb	97
22) Phenanthrene	7.248	178	2747	19.66	ppb	98
23) Anthracene	7.288	178	2947	20.84	ppb	98
24) Fluoranthene	8.303	202	3797	23.00	ppb	99
25) Pyrene	8.515	202	3615	21.75	ppb	98
27) Benzo[a]anthracene	9.659	228	2572	20.56	ppb	100
28) Chrysene	9.696	228	3309	21.78	ppb	99
30) Benzo[b]fluoranthene	10.636	252	3294	22.23	ppb	98
31) Benzo[k]fluoranthene	10.657	252	3322	19.42	ppb	97
32) Benzo[a]pyrene	10.922	252	3724	22.81	ppb	99
33) Indeno[1,2,3-cd]pyrene	12.082	276	4282	19.46	ppb	99
34) Dibenz[a,h]anthracene	12.091	278	3529	19.72	ppb	74
35) Benzo[g,h,i]perylene	12.397	276	3584	19.98	ppb	98

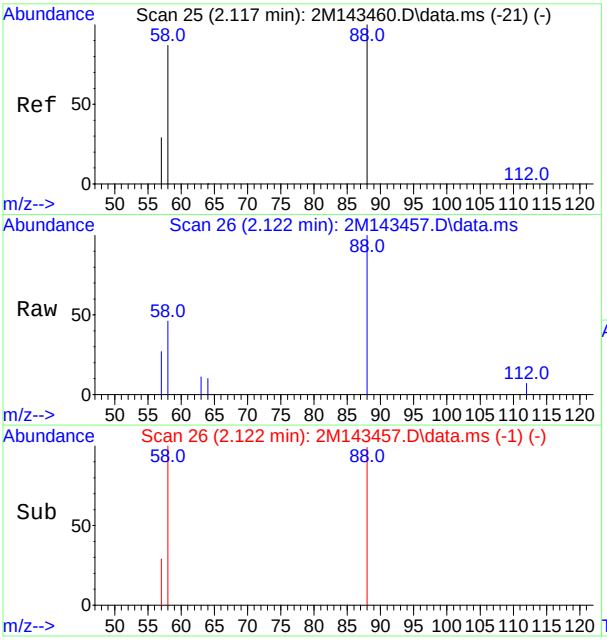
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143457.D
Acq On : 18 Sep 2025 5:57 pm
Operator : rocquans
Sample : ic6496-0.02
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 19 10:11:26 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 09:56:26 2025
Response via : Initial Calibration

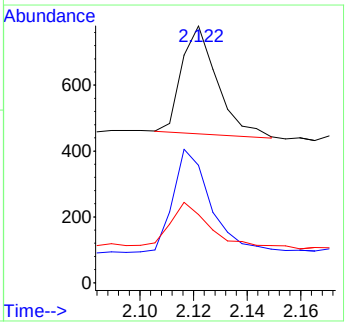


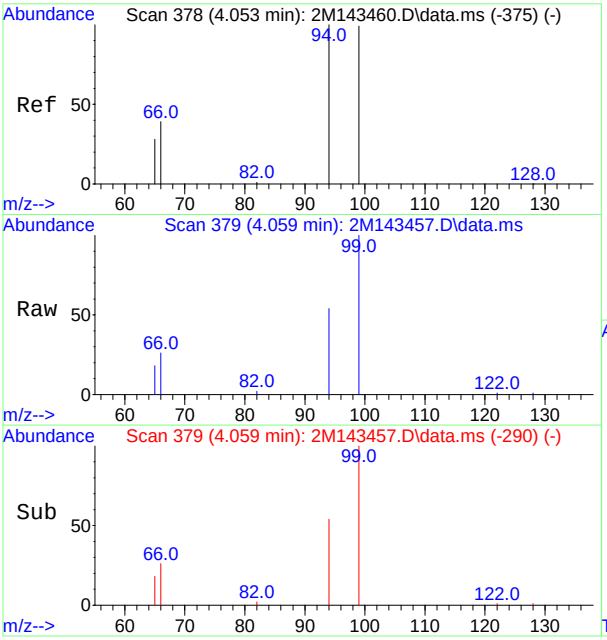


#2
1,4-Dioxane
Concen: 21.59 ppb m
RT: 2.122 min Scan# 26
Delta R.T. 0.005 min
Lab File: 2M143457.D
Acq: 18 Sep 2025 5:57 pm

Tgt Ion: 88 Resp: 299

Ion	Ratio	Lower	Upper
88	100		
58	45.8	66.8	106.8#
57	26.5	8.9	48.9

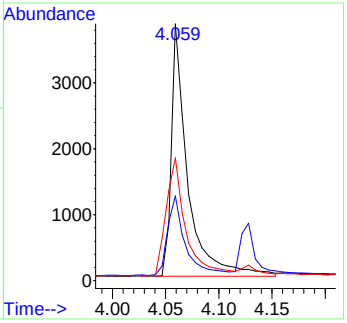


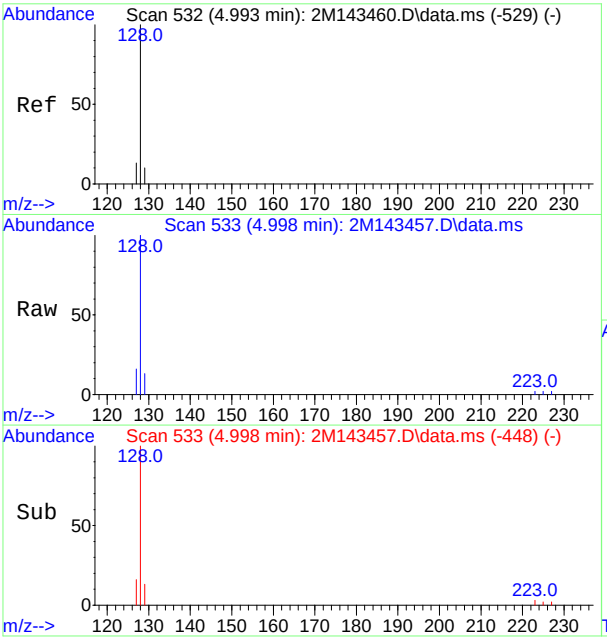


#5
Phenol
Concen: 95.54 ppb
RT: 4.059 min Scan# 379
Delta R.T. 0.006 min
Lab File: 2M143457.D
Acq: 18 Sep 2025 5:57 pm

Tgt Ion: 94 Resp: 4102

Ion	Ratio	Lower	Upper
94	100		
65	30.6	22.2	33.2
66	46.5	31.2	46.8

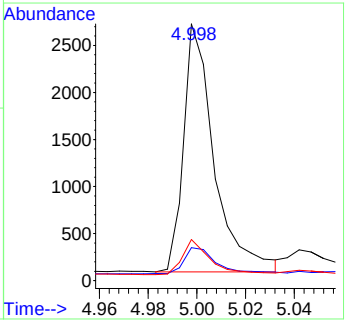


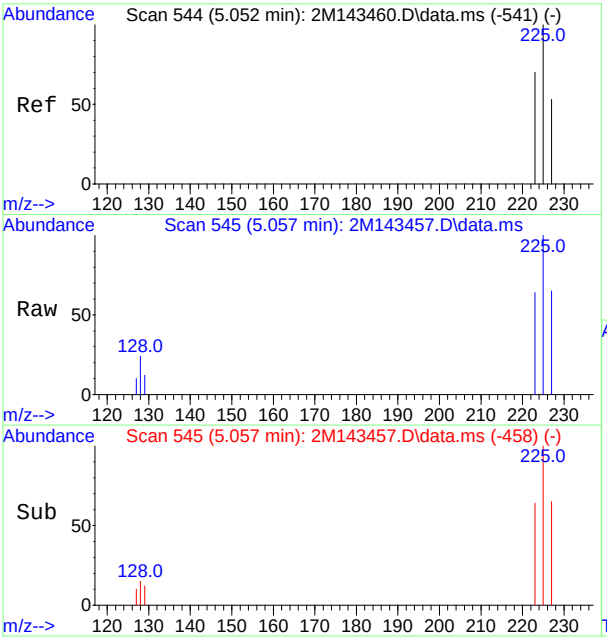


#7
Naphthalene
Concen: 19.96 ppb
RT: 4.998 min Scan# 533
Delta R.T. 0.005 min
Lab File: 2M143457.D
Acq: 18 Sep 2025 5:57 pm

Tgt Ion:128 Resp: 2305

Ion	Ratio	Lower	Upper
128	100		
129	10.4	0.0	40.0
127	14.2	0.0	43.4

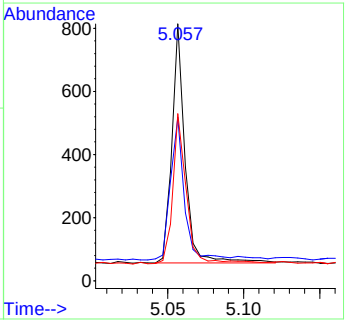


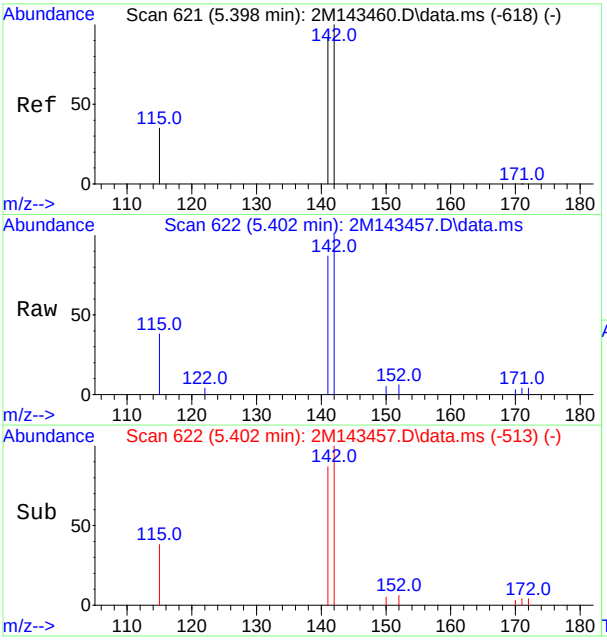


#8
Hexachlorobutadiene
Concen: 21.78 ppb
RT: 5.057 min Scan# 545
Delta R.T. 0.005 min
Lab File: 2M143457.D
Acq: 18 Sep 2025 5:57 pm

Tgt Ion:225 Resp: 454

Ion	Ratio	Lower	Upper
225	100		
223	59.1	40.1	100.1
227	62.4	23.2	83.2

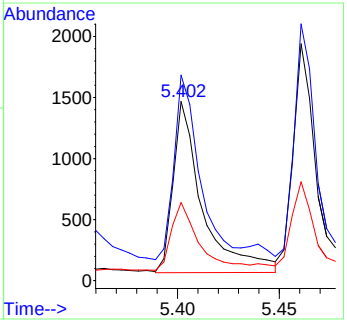


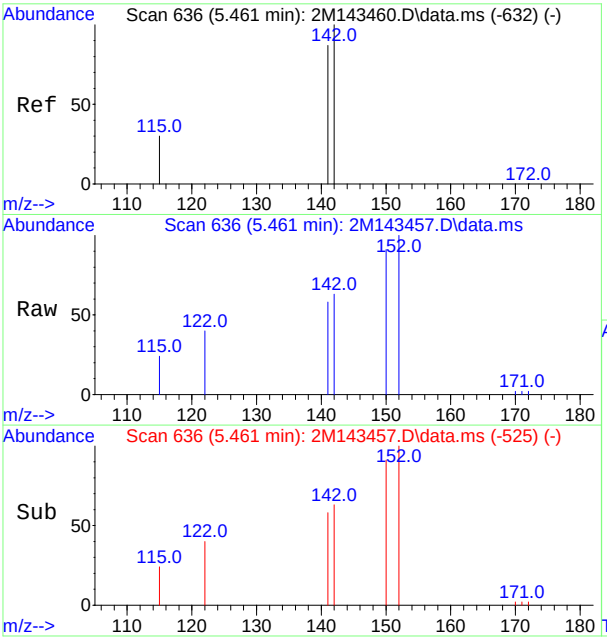


#9
2-Methylnaphthalene
Concen: 19.92 ppb
RT: 5.402 min Scan# 622
Delta R.T. 0.004 min
Lab File: 2M143457.D
Acq: 18 Sep 2025 5:57 pm

Tgt Ion:141 Resp: 1401

Ion	Ratio	Lower	Upper
141	100		
142	110.7	79.2	139.2
115	39.8	8.0	68.0

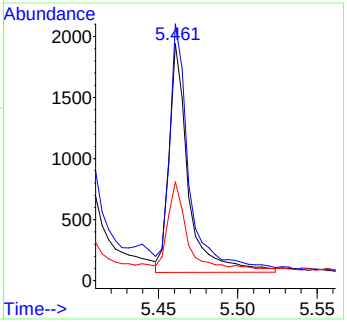


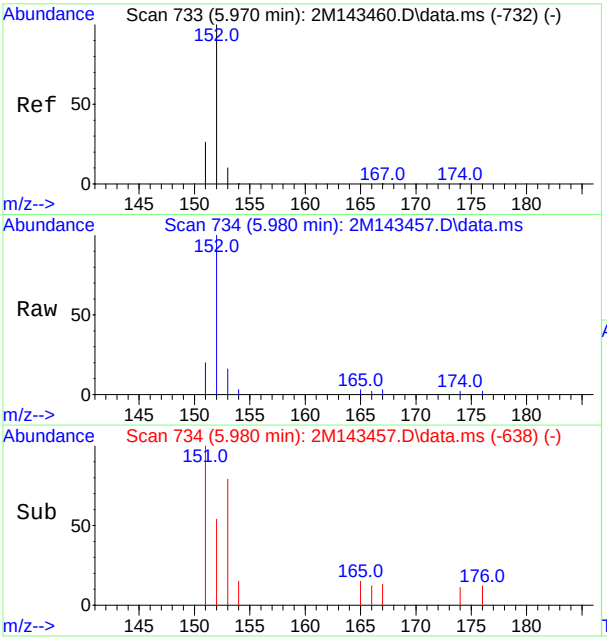


#10
1-Methylnaphthalene
Concen: 22.17 ppb
RT: 5.461 min Scan# 636
Delta R.T. -0.000 min
Lab File: 2M143457.D
Acq: 18 Sep 2025 5:57 pm

Tgt Ion:141 Resp: 1581

Ion	Ratio	Lower	Upper
141	100		
142	107.5	85.6	145.6
115	38.6	4.2	64.2

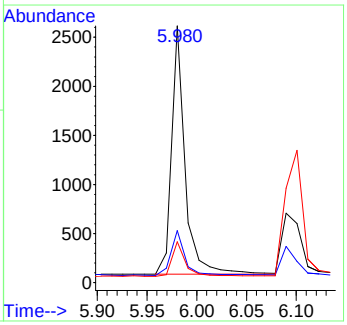


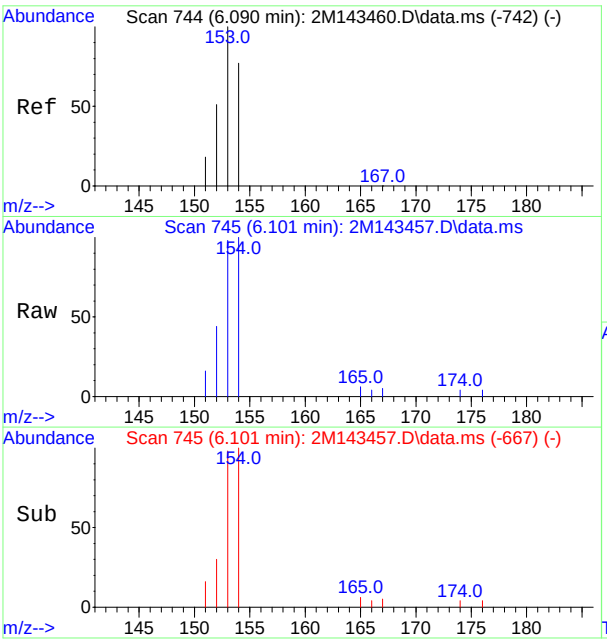


#14
Acenaphthylene
Concen: 23.35 ppb
RT: 5.980 min Scan# 734
Delta R.T. 0.011 min
Lab File: 2M143457.D
Acq: 18 Sep 2025 5:57 pm

Tgt Ion:152 Resp: 2369

Ion	Ratio	Lower	Upper
152	100		
151	18.0	0.0	55.9
153	13.8	0.0	39.6

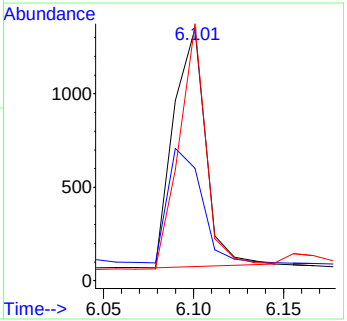


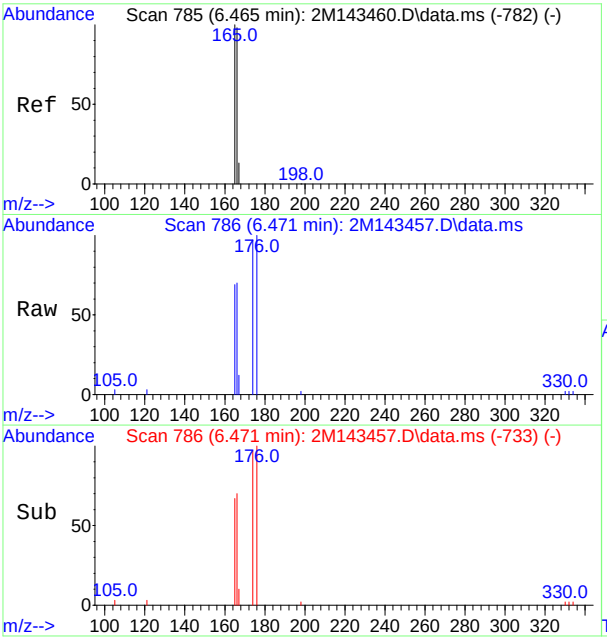


#15
Acenaphthene
Concen: 17.89 ppb m
RT: 6.101 min Scan# 745
Delta R.T. 0.011 min
Lab File: 2M143457.D
Acq: 18 Sep 2025 5:57 pm

Tgt Ion:153 Resp: 1578

Ion	Ratio	Lower	Upper
153	100		
152	44.6	20.8	80.8
154	101.9	47.0	107.0

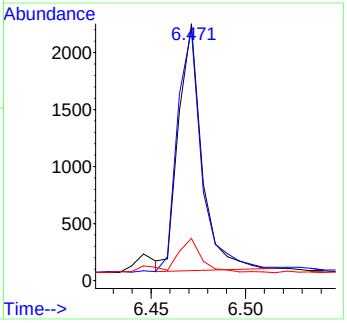


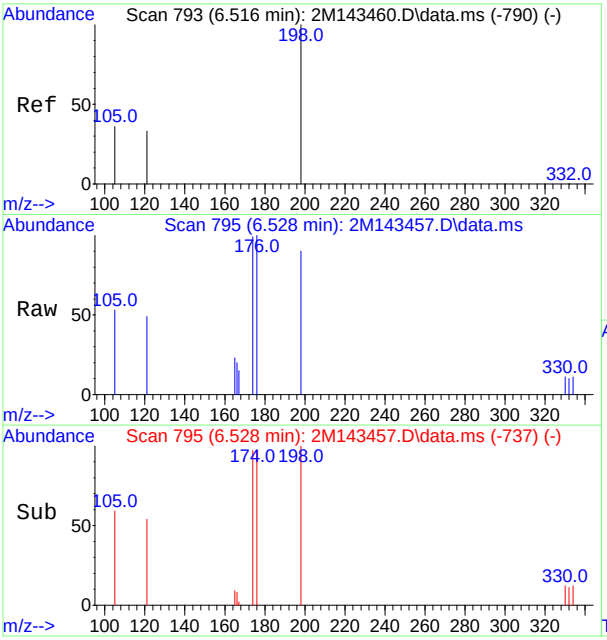


#16
Fluorene
Concen: 19.58 ppb
RT: 6.471 min Scan# 786
Delta R.T. 0.006 min
Lab File: 2M143457.D
Acq: 18 Sep 2025 5:57 pm

Tgt Ion:166 Resp: 1859

Ion	Ratio	Lower	Upper
166	100		
165	99.4	72.1	132.1
167	13.1	0.0	43.0

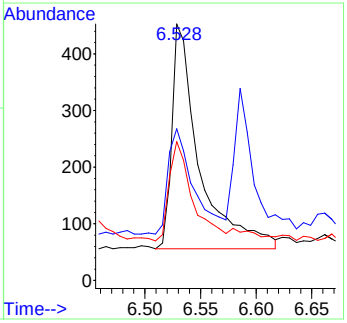


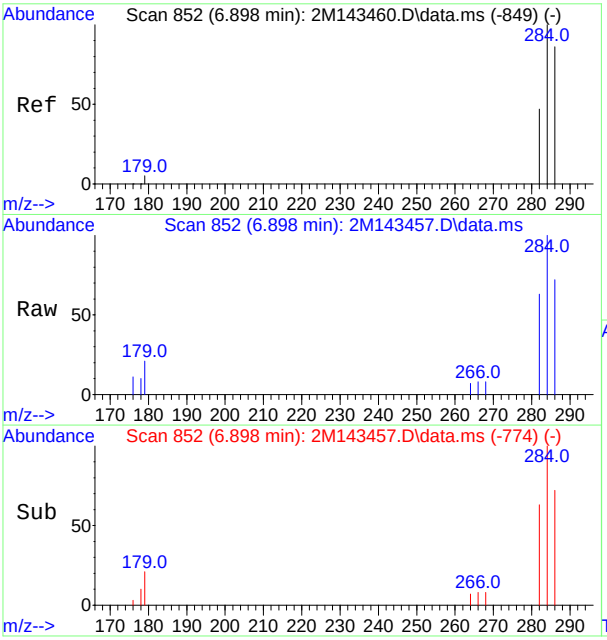


#17
4,6-dinitro-2-methylphenol
Concen: 79.62 ppb
RT: 6.528 min Scan# 795
Delta R.T. 0.013 min
Lab File: 2M143457.D
Acq: 18 Sep 2025 5:57 pm

Tgt Ion:198 Resp: 685

Ion	Ratio	Lower	Upper
198	100		
105	43.4	14.9	54.9
121	44.1	12.5	52.5

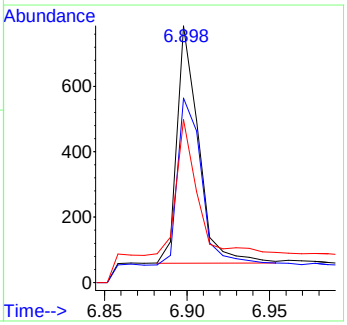


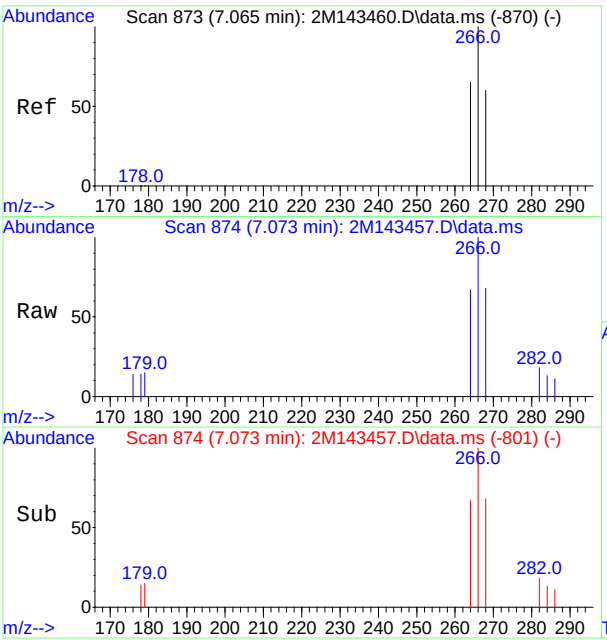


#20
Hexachlorobenzene
Concen: 20.21 ppb m
RT: 6.898 min Scan# 852
Delta R.T. -0.000 min
Lab File: 2M143457.D
Acq: 18 Sep 2025 5:57 pm

Tgt Ion:284 Resp: 667

Ion	Ratio	Lower	Upper
284	100		
286	71.8	55.8	115.8
282	63.4	17.4	77.4

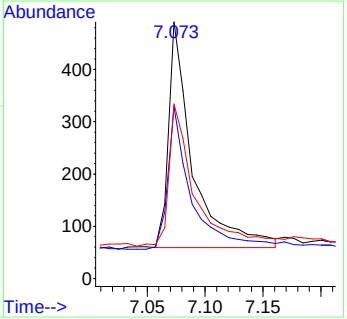


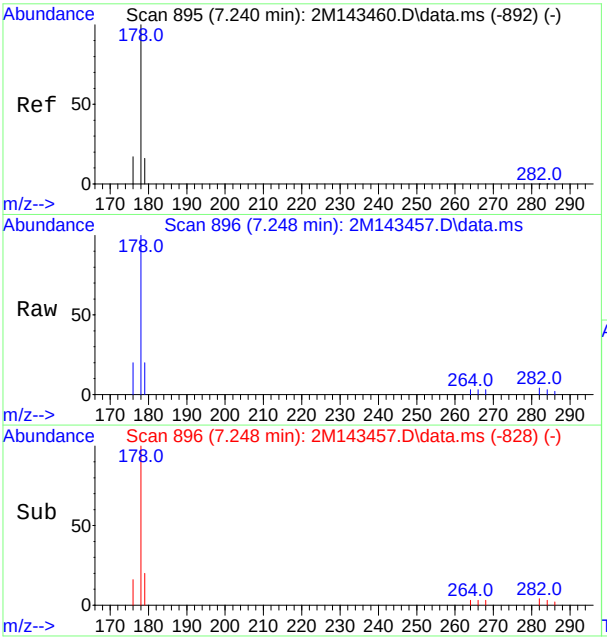


#21
Pentachlorophenol
Concen: 73.19 ppb
RT: 7.073 min Scan# 874
Delta R.T. 0.008 min
Lab File: 2M143457.D
Acq: 18 Sep 2025 5:57 pm

Tgt Ion:266 Resp: 631

Ion	Ratio	Lower	Upper
266	100		
264	62.6	35.4	95.4
268	62.1	30.0	90.0

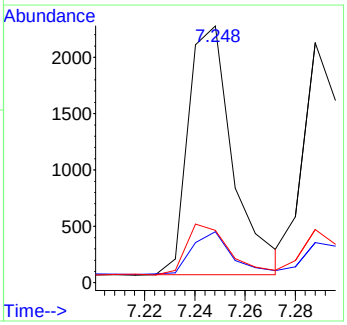


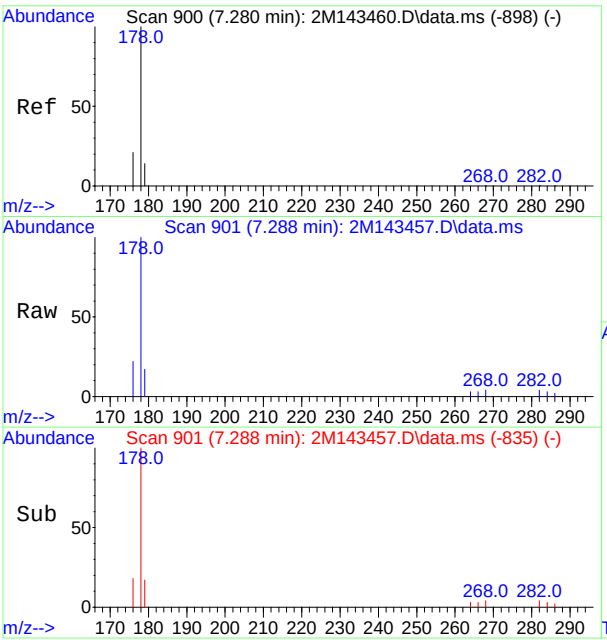


#22
Phenanthrene
Concen: 19.66 ppb
RT: 7.248 min Scan# 896
Delta R.T. 0.008 min
Lab File: 2M143457.D
Acq: 18 Sep 2025 5:57 pm

Tgt Ion:178 Resp: 2747

Ion	Ratio	Lower	Upper
178	100		
179	17.1	0.0	46.1
176	17.9	0.0	47.1

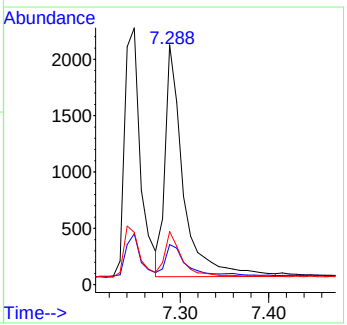


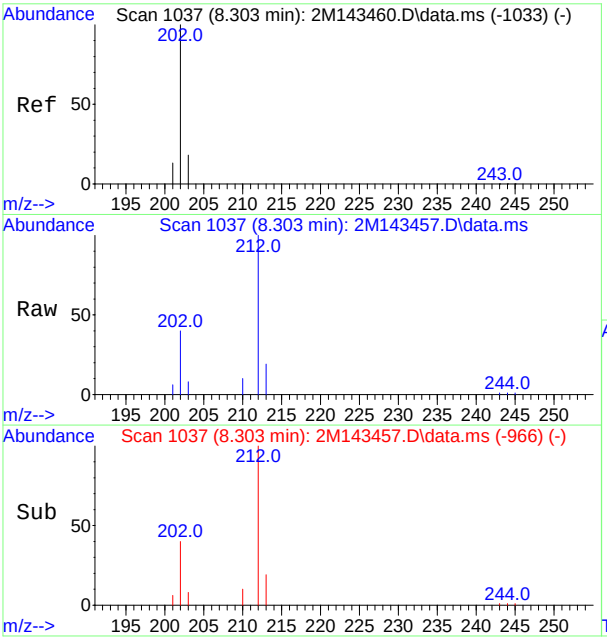


#23
Anthracene
Concen: 20.84 ppb
RT: 7.288 min Scan# 901
Delta R.T. 0.008 min
Lab File: 2M143457.D
Acq: 18 Sep 2025 5:57 pm

Tgt Ion:178 Resp: 2947

Ion	Ratio	Lower	Upper
178	100		
179	13.5	0.0	44.2
176	19.7	0.0	50.7

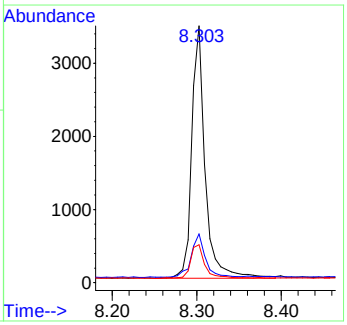


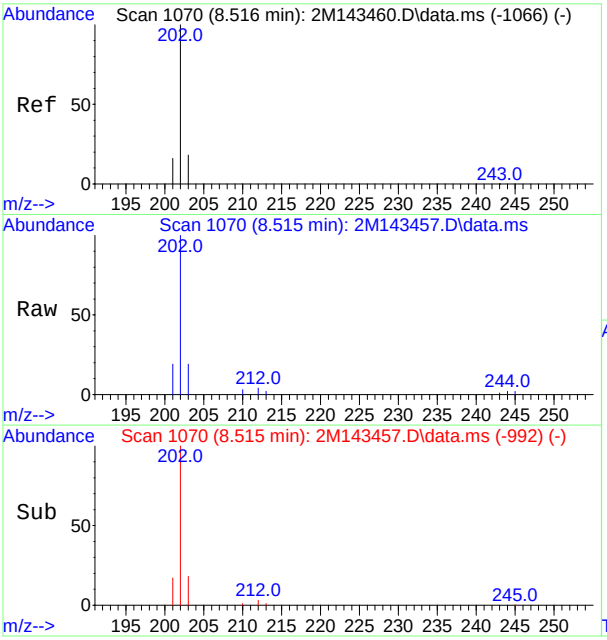


#24
Fluoranthene
Concen: 23.00 ppb
RT: 8.303 min Scan# 1037
Delta R.T. -0.000 min
Lab File: 2M143457.D
Acq: 18 Sep 2025 5:57 pm

Tgt Ion:202 Resp: 3797

Ion	Ratio	Lower	Upper
202	100		
203	17.1	0.0	47.9
201	13.3	0.0	43.2

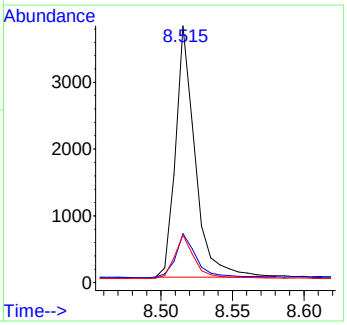


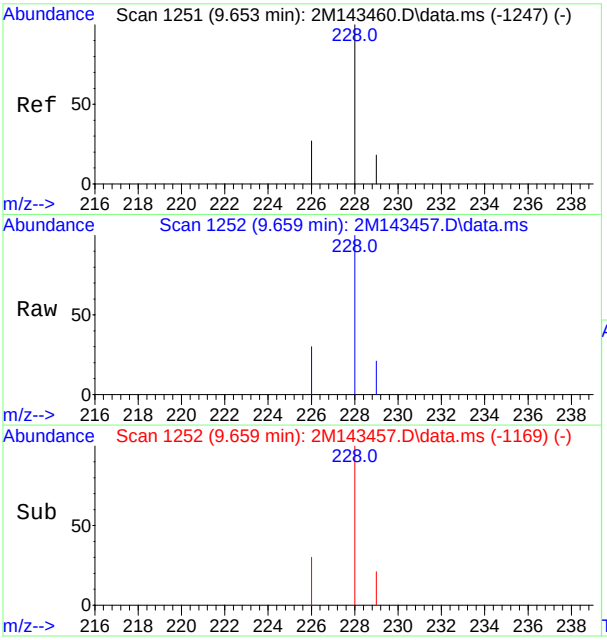


#25
Pyrene
Concen: 21.75 ppb
RT: 8.515 min Scan# 1070
Delta R.T. -0.000 min
Lab File: 2M143457.D
Acq: 18 Sep 2025 5:57 pm

Tgt Ion:202 Resp: 3615

Ion	Ratio	Lower	Upper
202	100		
203	17.3	0.0	48.3
201	17.2	0.0	46.1

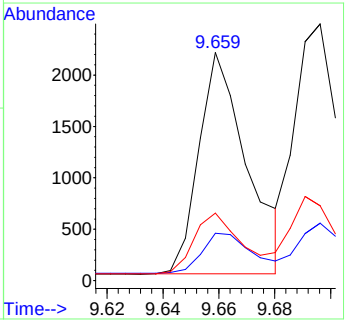


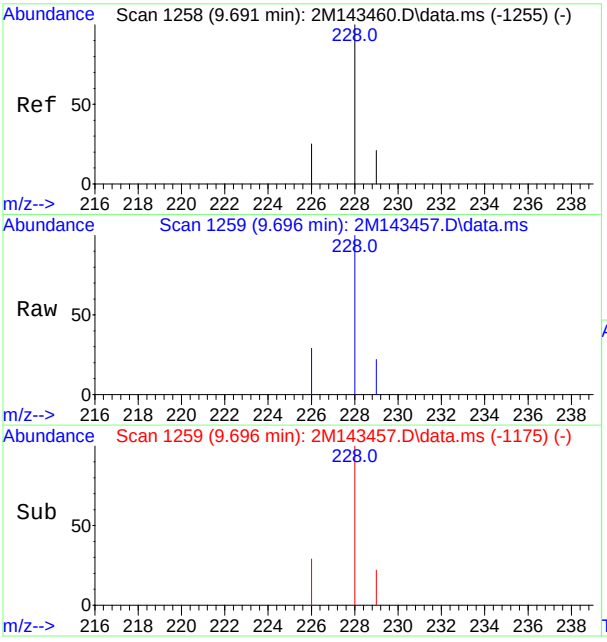


#27
Benzo[a]anthracene
Concen: 20.56 ppb
RT: 9.659 min Scan# 1252
Delta R.T. 0.005 min
Lab File: 2M143457.D
Acq: 18 Sep 2025 5:57 pm

Tgt Ion:228 Resp: 2572

Ion	Ratio	Lower	Upper
228	100		
229	18.1	0.0	48.4
226	26.6	0.0	56.5

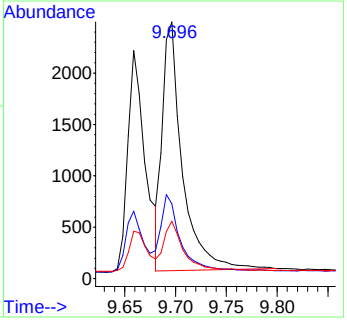


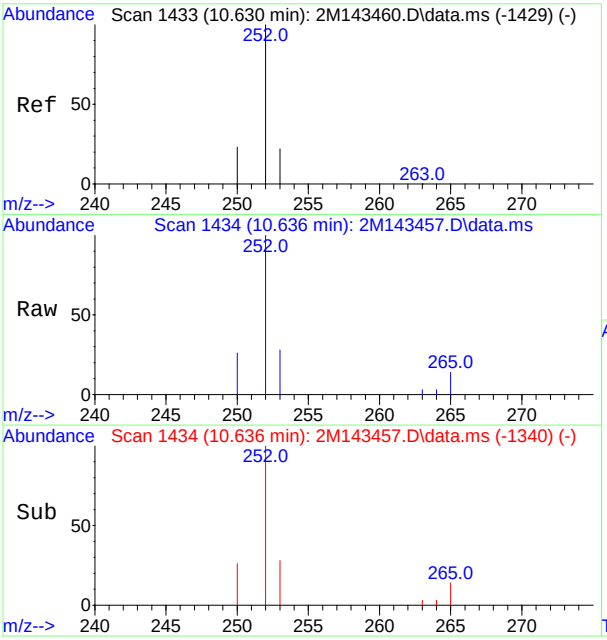


#28
Chrysene
Concen: 21.78 ppb
RT: 9.696 min Scan# 1259
Delta R.T. 0.005 min
Lab File: 2M143457.D
Acq: 18 Sep 2025 5:57 pm

Tgt Ion:228 Resp: 3309

Ion	Ratio	Lower	Upper
228	100		
226	26.4	0.0	55.9
229	20.3	0.0	50.5

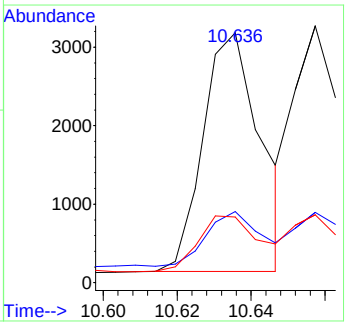


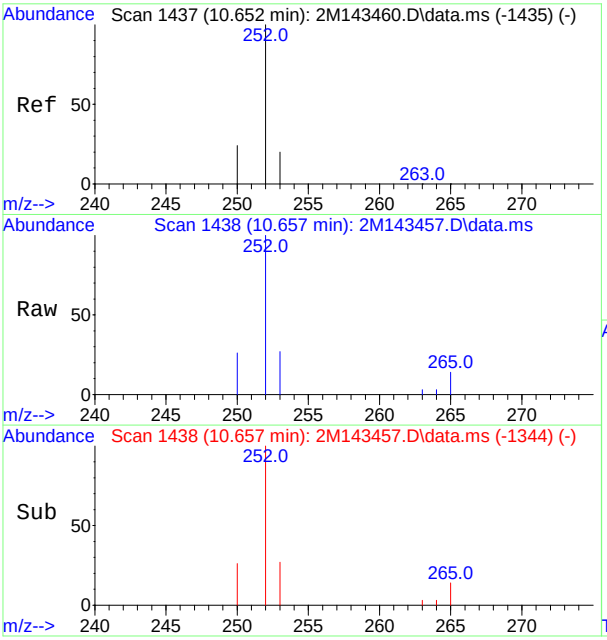


#30
Benzo[b]fluoranthene
Concen: 22.23 ppb
RT: 10.636 min Scan# 1434
Delta R.T. 0.005 min
Lab File: 2M143457.D
Acq: 18 Sep 2025 5:57 pm

Tgt Ion:252 Resp: 3294

Ion	Ratio	Lower	Upper
252	100		
253	23.1	0.0	52.3
250	21.8	0.0	52.9

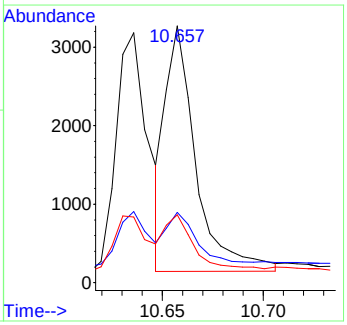


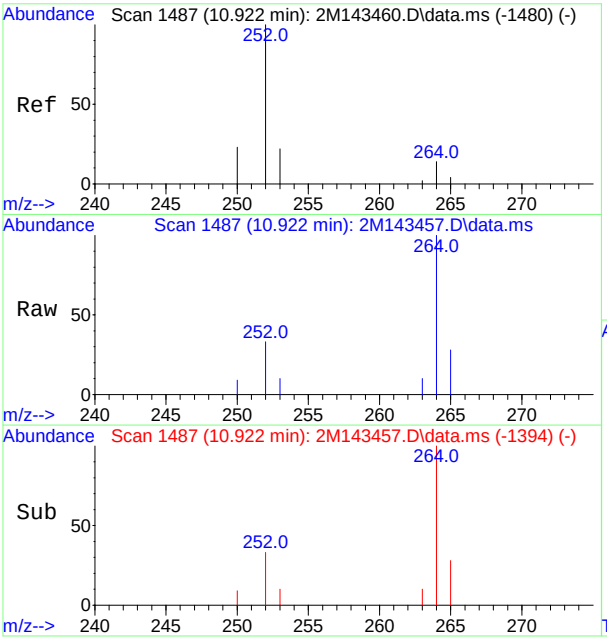


#31
Benzo[k]fluoranthene
Concen: 19.42 ppb
RT: 10.657 min Scan# 1438
Delta R.T. 0.005 min
Lab File: 2M143457.D
Acq: 18 Sep 2025 5:57 pm

Tgt Ion:252 Resp: 3322

Ion	Ratio	Lower	Upper
252	100		
253	21.3	0.0	51.6
250	21.5	0.0	54.5

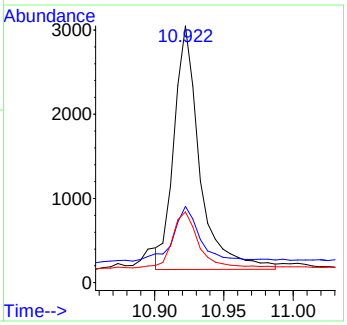


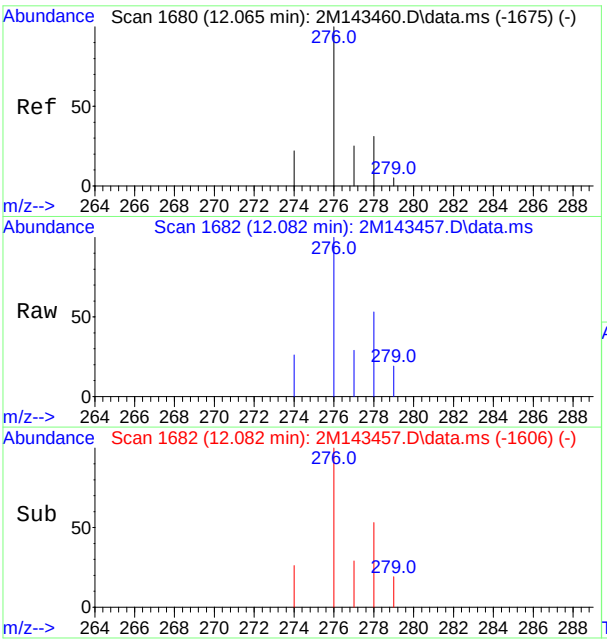


#32
Benzo[a]pyrene
Concen: 22.81 ppb
RT: 10.922 min Scan# 1487
Delta R.T. -0.000 min
Lab File: 2M143457.D
Acq: 18 Sep 2025 5:57 pm

Tgt Ion:252 Resp: 3724

Ion	Ratio	Lower	Upper
252	100		
253	21.9	0.0	52.4
250	23.6	0.0	53.4

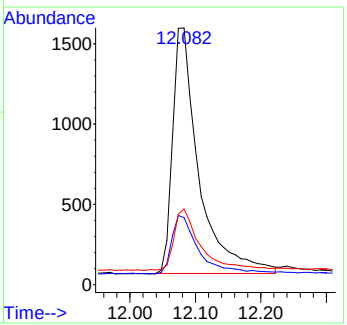


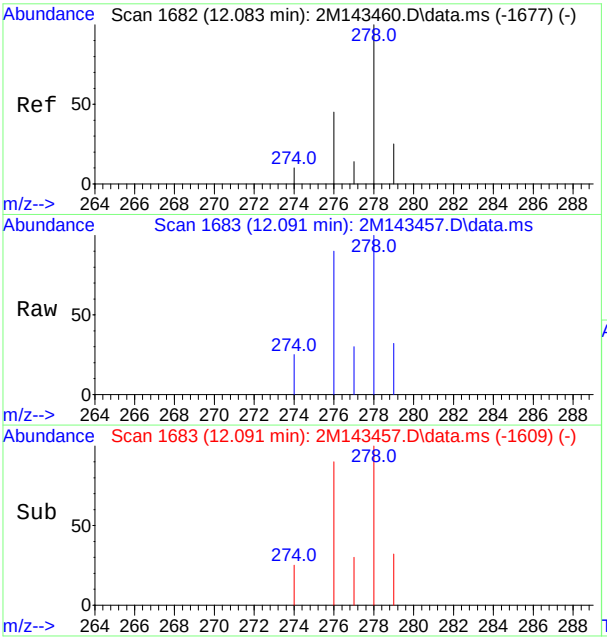


#33
Indeno[1,2,3-cd]pyrene
Concen: 19.46 ppb
RT: 12.082 min Scan# 1682
Delta R.T. 0.017 min
Lab File: 2M143457.D
Acq: 18 Sep 2025 5:57 pm

Tgt Ion:276 Resp: 4282

Ion	Ratio	Lower	Upper
276	100		
274	22.8	0.0	52.2
277	24.7	0.0	54.9

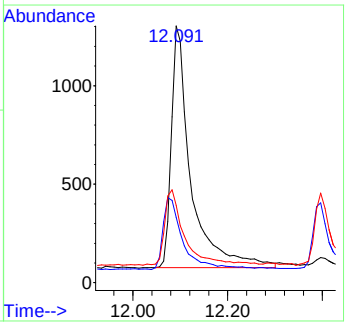


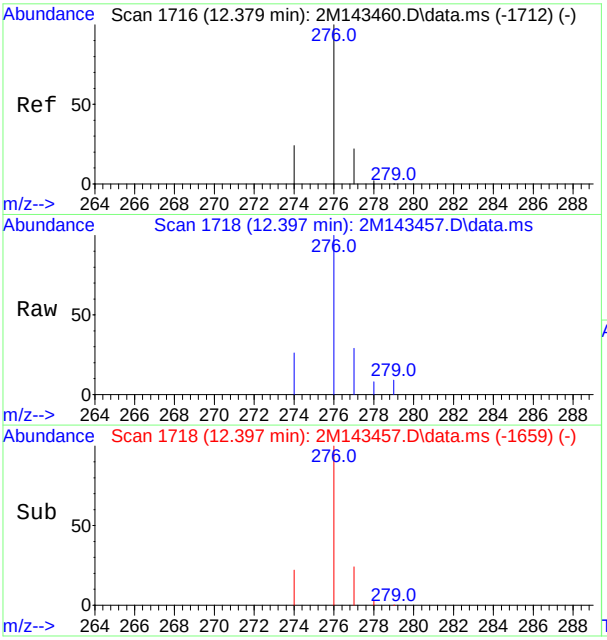


#34
Dibenz[a,h]anthracene
Concen: 19.72 ppb
RT: 12.091 min Scan# 1683
Delta R.T. 0.009 min
Lab File: 2M143457.D
Acq: 18 Sep 2025 5:57 pm

Tgt Ion:278 Resp: 3529

Ion	Ratio	Lower	Upper
278	100		
274	21.1	0.0	40.7
277	24.3	0.0	44.0

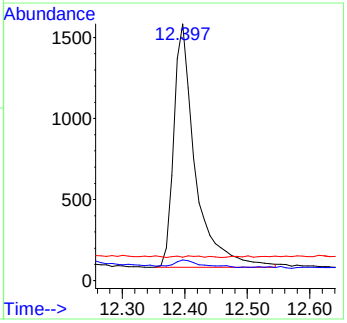




#35
Benzo[g,h,i]perylene
Concen: 19.98 ppb
RT: 12.397 min Scan# 1718
Delta R.T. 0.017 min
Lab File: 2M143457.D
Acq: 18 Sep 2025 5:57 pm

Tgt Ion:276 Resp: 3584

Ion	Ratio	Lower	Upper
276	100		
278	2.8	0.0	32.2
279	0.0	0.0	30.1



Manual Integration Approval Summary

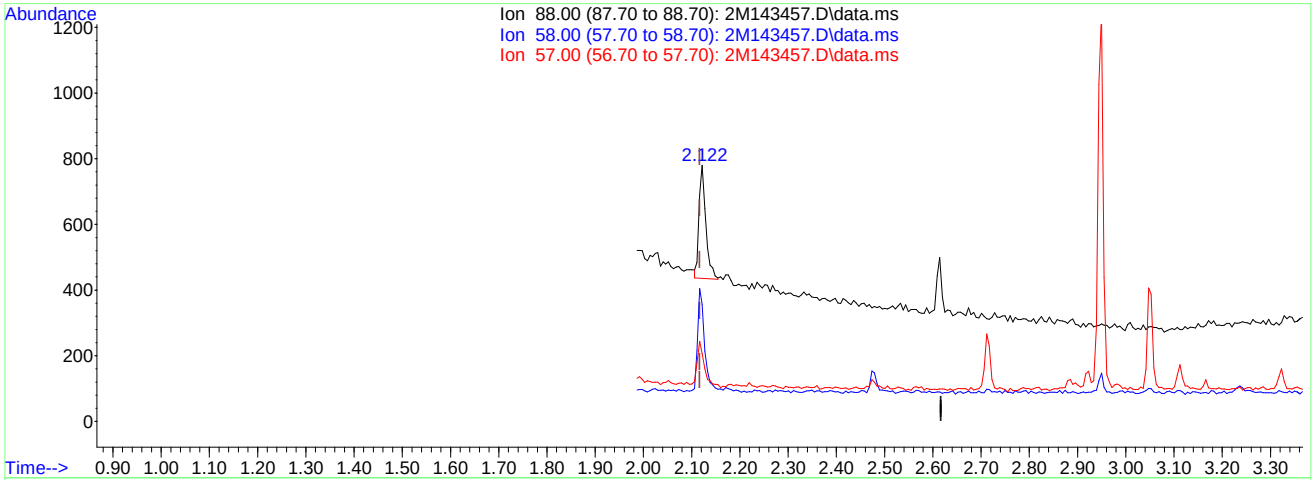
Sample Number: E2M6496-IC6496
Lab FileID: 2M143457.D
Injection Time: 09/18/25 17:57
Method: SW846 8270E BY SIM
Analyst approved: 09/19/25 10:52 Ying Li
Supervisor approved: 09/19/25 11:26 Jon Kreigmor Mamanta

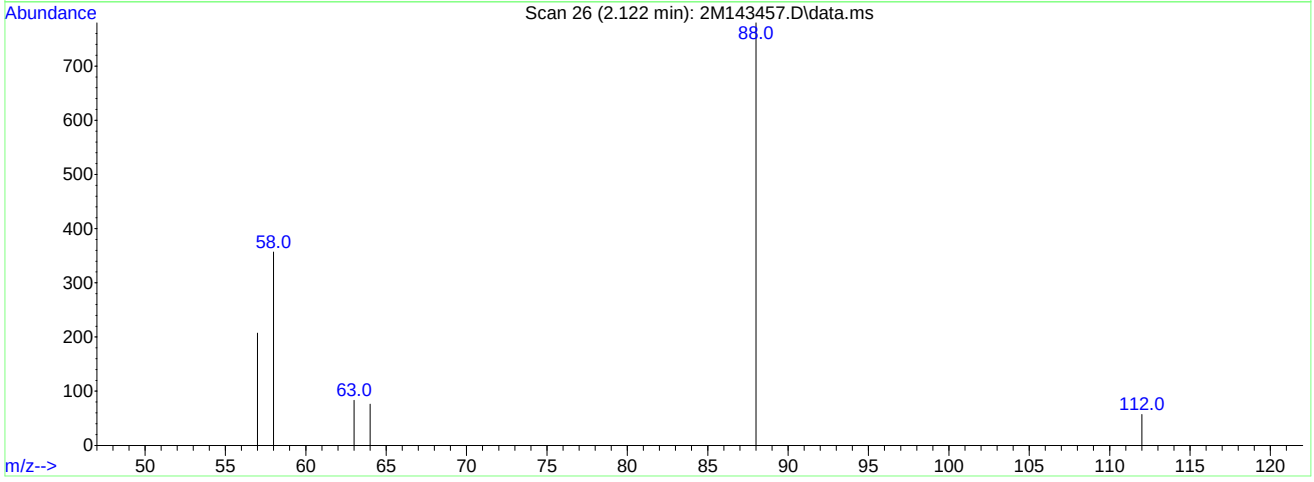
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,4-Dioxane	123-91-1		2.12	Poor instrument integration
Acenaphthene	83-32-9		6.10	Poor instrument integration
Hexachlorobenzene	118-74-1		6.90	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143457.D
Acq On : 18 Sep 2025 5:57 pm
Operator : rocquans
Sample : ic6496-0.02
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 19 10:10:17 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 09:56:26 2025
Response via : Initial Calibration





TIC: 2M143457.D\data.ms

(2) 1,4-Dioxane (t)

2.122min (+0.005) 24.33ppb

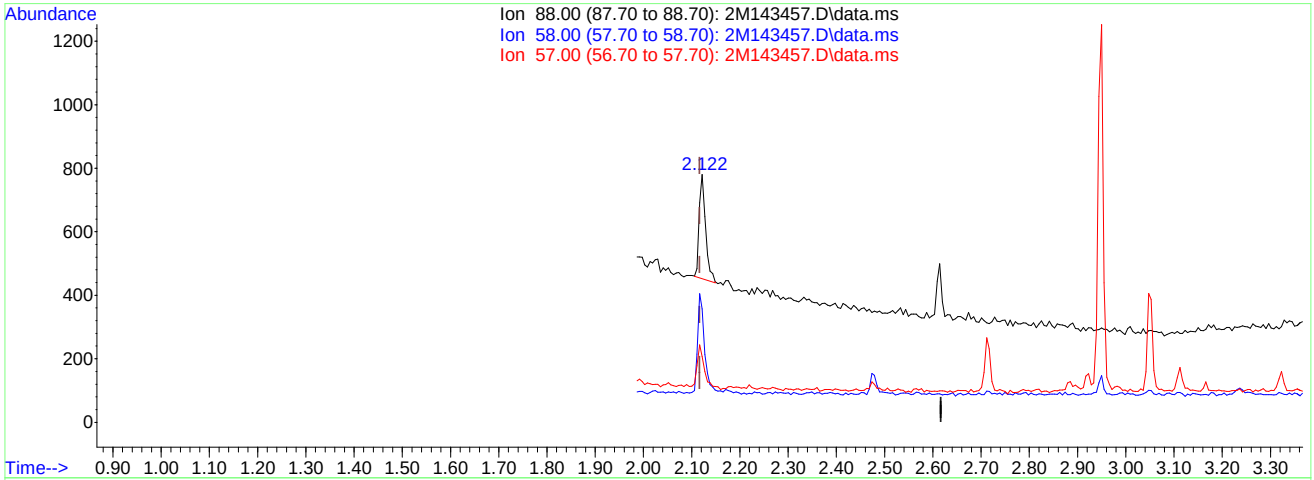
response 337

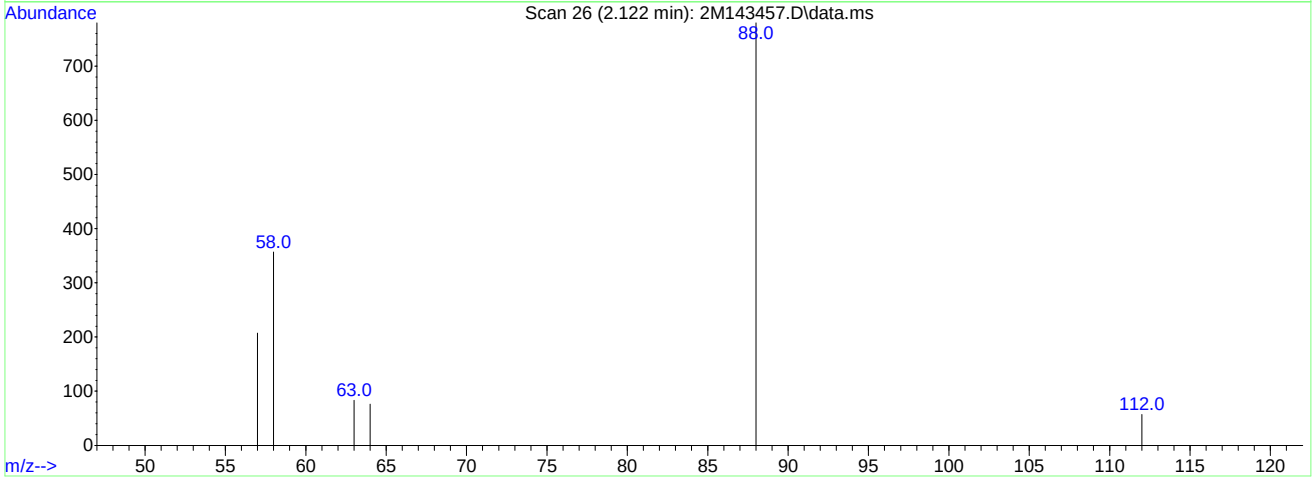
Ion	Exp%	Act%
88.00	100	100
58.00	86.80	77.95
57.00	28.90	27.34
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143457.D
Acq On : 18 Sep 2025 5:57 pm
Operator : rocquans
Sample : ic6496-0.02
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 19 10:10:17 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 09:56:26 2025
Response via : Initial Calibration





TIC: 2M143457.D\data.ms

(2) 1,4-Dioxane (t)

2.122min (+0.005) 21.59ppb m

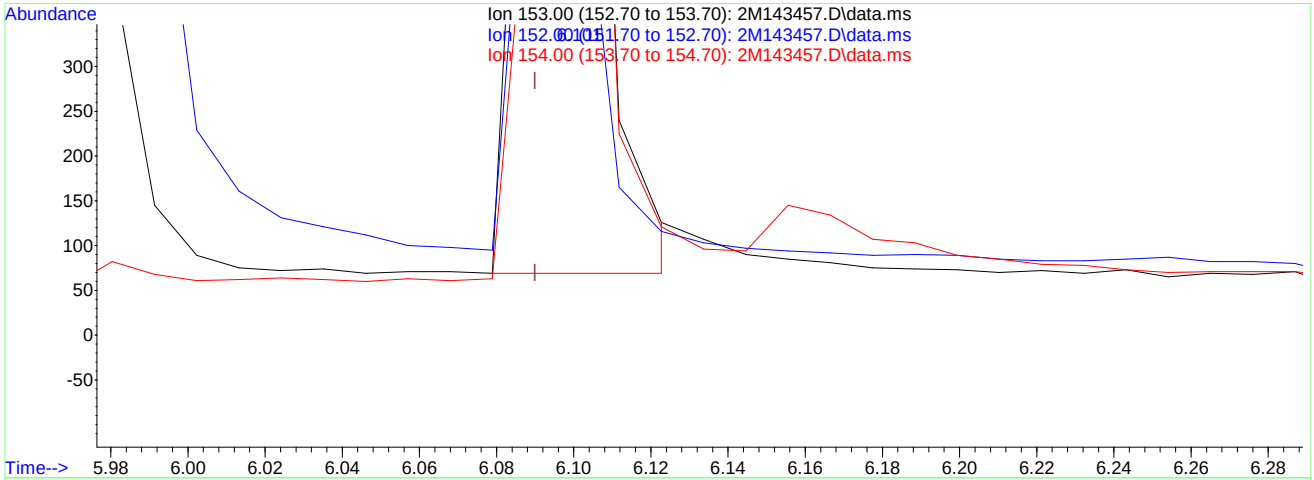
response 299

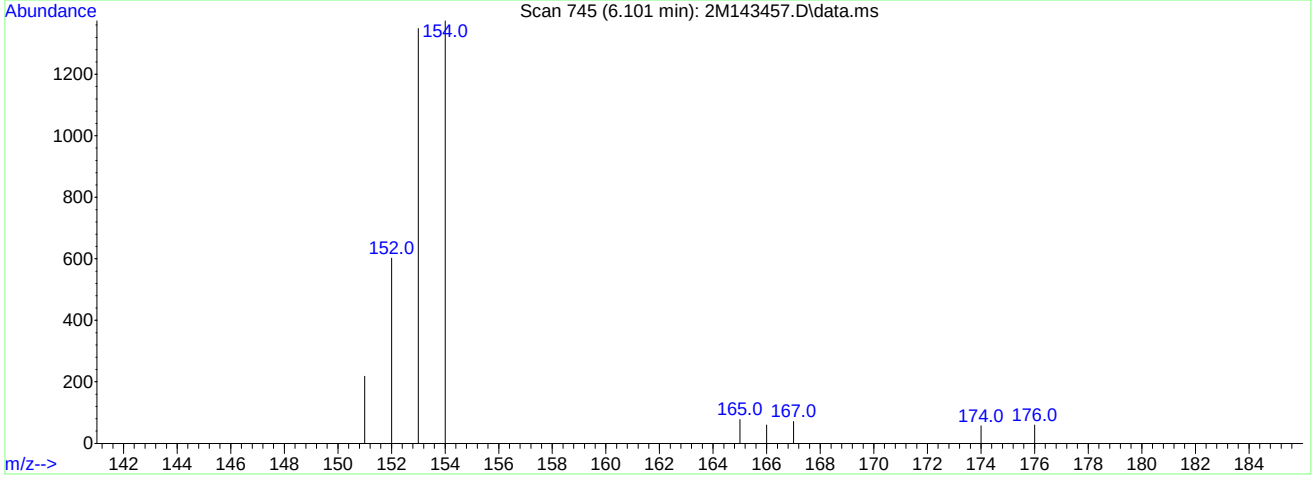
Ion	Exp%	Act%
88.00	100	100
58.00	86.80	45.77#
57.00	28.90	26.54
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143457.D
Acq On : 18 Sep 2025 5:57 pm
Operator : rocquans
Sample : ic6496-0.02
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 19 10:10:17 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 09:56:26 2025
Response via : Initial Calibration





TIC: 2M143457.D\data.ms

(15) Acenaphthene (t)

6.101min (+0.011) 17.90ppb

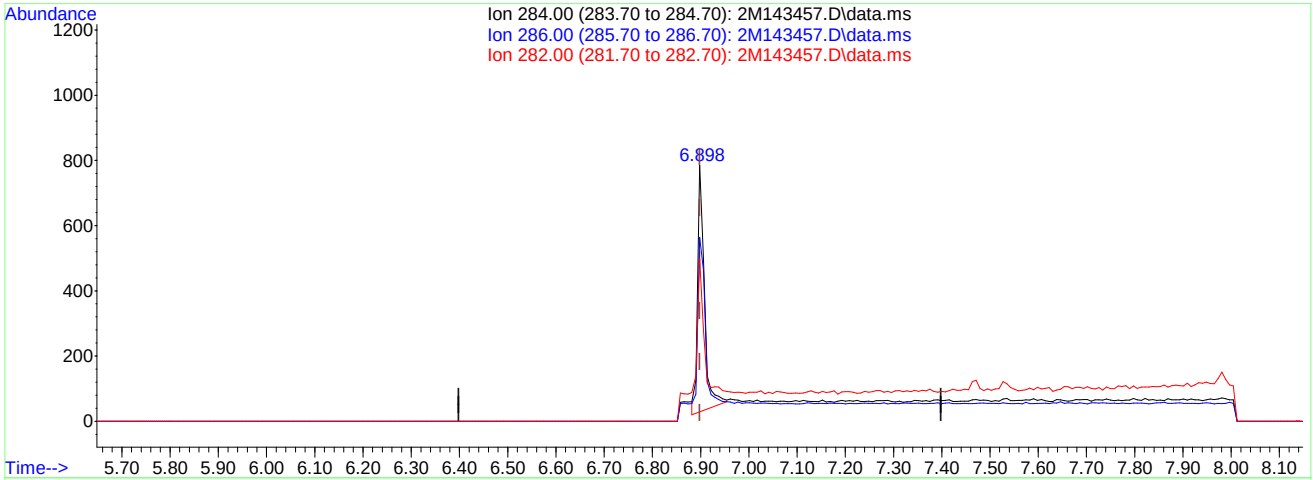
response 1579

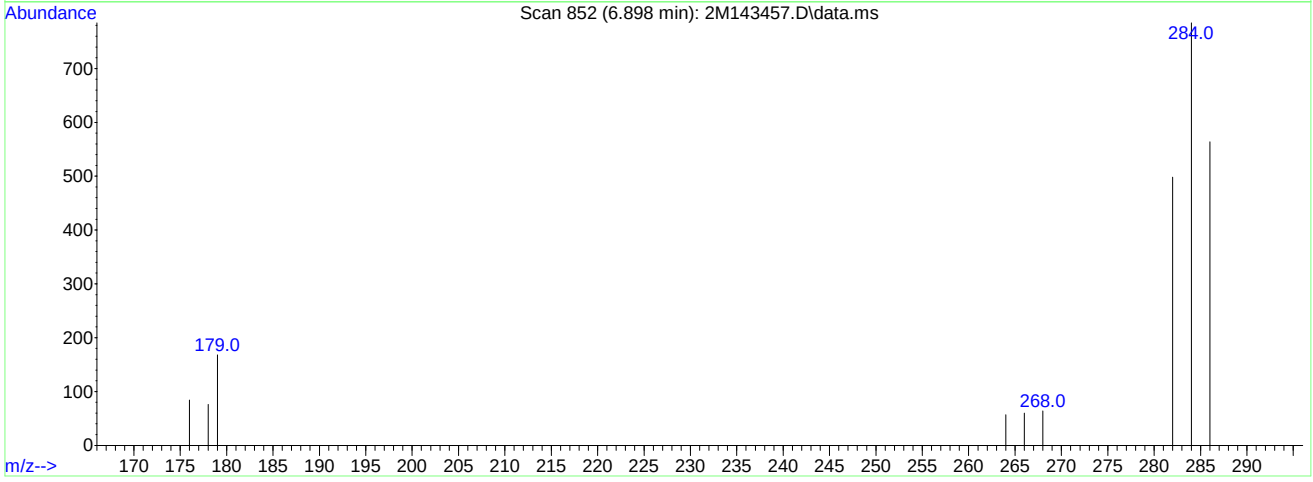
Ion	Exp%	Act%
153.00	100	100
152.00	50.80	39.67
154.00	77.00	102.44
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143457.D
Acq On : 18 Sep 2025 5:57 pm
Operator : rocquans
Sample : ic6496-0.02
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 19 10:10:17 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 09:56:26 2025
Response via : Initial Calibration





TIC: 2M143457.D\data.ms

(20) Hexachlorobenzene (t)

6.898min (-0.000) 22.73ppb

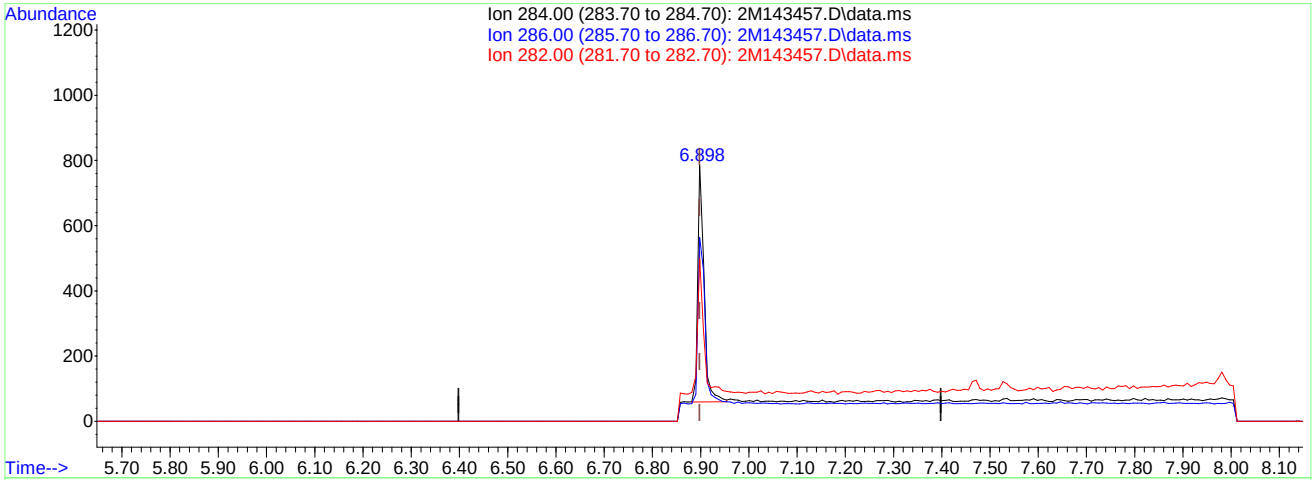
response 750

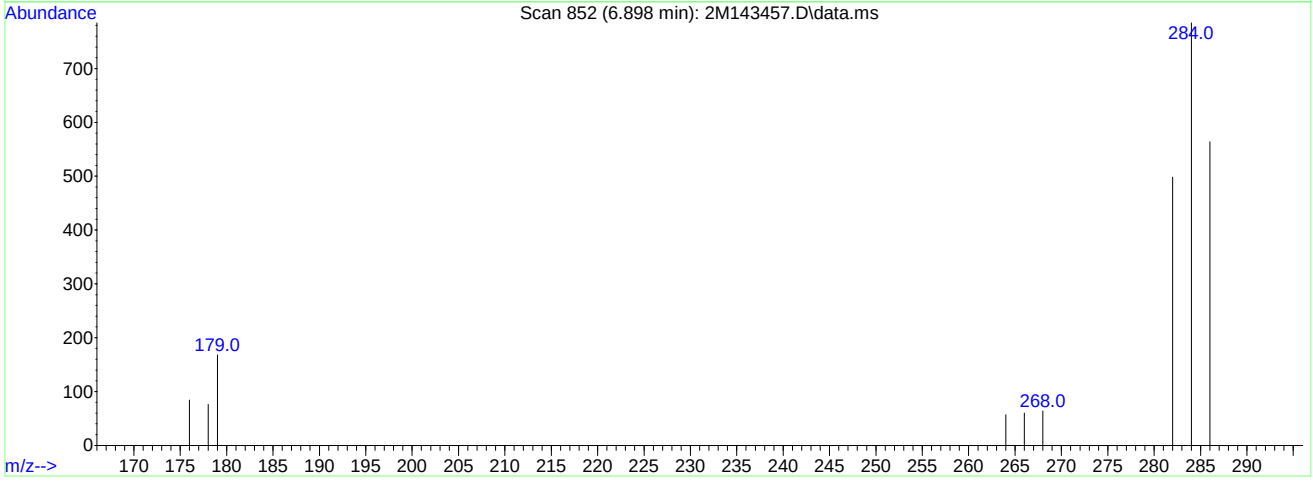
Ion	Exp%	Act%
284.00	100	100
286.00	85.80	70.17
282.00	47.40	56.47
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143457.D
Acq On : 18 Sep 2025 5:57 pm
Operator : rocquans
Sample : ic6496-0.02
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 19 10:10:17 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 09:56:26 2025
Response via : Initial Calibration





TIC: 2M143457.D\data.ms

(20) Hexachlorobenzene (t)

6.898min (-0.000) 20.21ppb m

response 667

Ion	Exp%	Act%
284.00	100	100
286.00	85.80	71.85
282.00	47.40	63.44
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Jon Kreigmor Mamanta 09/19/25 11:26

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143458.D
Acq On : 18 Sep 2025 6:17 pm
Operator : rocquans
Sample : ic6496-0.04
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 19 10:09:34 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 09:56:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	5.440	150	41137	800.00	ppb	0.00
12) Fluorene-d10	6.446	176	56837	800.00	ppb	0.00
19) Fluoranthene-d10	8.283	212	97707	800.00	ppb	0.00
29) Benzo(a)pyrene-d12	10.901	264	91380	800.00	ppb	0.00
36) 1-Methylnaphthalene-d10a	5.440	150	41137	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	3.448	112	27806	834.83	ppb	0.00
Spiked Amount 10000.000			Recovery =	8.35%		
4) Phenol-d5	4.053	99	30746	810.61	ppb	0.00
Spiked Amount 10000.000			Recovery =	8.11%		
6) Nitrobenzene-d5	4.579	82	27718	780.67	ppb	0.00
Spiked Amount 10000.000			Recovery =	7.81%		
13) 2-Fluorobiphenyl	5.620	172	79910	866.32	ppb	0.00
Spiked Amount 10000.000			Recovery =	8.66%		
18) 2,4,6-Tribromophenol	6.662	330	9650	752.70	ppb	0.00
Spiked Amount 10000.000			Recovery =	7.53%		
26) Terphenyl-d14	8.657	244	83213	802.49	ppb	0.00
Spiked Amount 10000.000			Recovery =	8.02%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.116	88	624m	43.64	ppb	
5) Phenol	4.059	94	9010	203.30	ppb	90
7) Naphthalene	4.998	128	4870	40.84	ppb	97
8) Hexachlorobutadiene	5.057	225	934	43.40	ppb	81
9) 2-Methylnaphthalene	5.402	141	2943	40.54	ppb	97
10) 1-Methylnaphthalene	5.461	141	3061	41.57	ppb	92
14) Acenaphthylene	5.980	152	4611	43.84	ppb	83
15) Acenaphthene	6.090	153	3512	38.41	ppb	86
16) Fluorene	6.471	166	4155	42.22	ppb	95
17) 4,6-dinitro-2-methylph...	6.522	198	1501	168.29	ppb	87
20) Hexachlorobenzene	6.898	284	1401m	42.16	ppb	
21) Pentachlorophenol	7.073	266	1444	166.32	ppb	93
22) Phenanthrene	7.240	178	5853	41.59	ppb	95
23) Anthracene	7.288	178	5911	41.50	ppb	96
24) Fluoranthene	8.303	202	7272	43.75	ppb	99
25) Pyrene	8.515	202	7312	43.69	ppb	99
27) Benzo[a]anthracene	9.659	228	4925	39.09	ppb	96
28) Chrysene	9.691	228	6909	45.16	ppb	93
30) Benzo[b]fluoranthene	10.630	252	6035	40.70	ppb	94
31) Benzo[k]fluoranthene	10.652	252	7507	43.84	ppb	97
32) Benzo[a]pyrene	10.922	252	7174	43.91	ppb	98
33) Indeno[1,2,3-cd]pyrene	12.074	276	9067	41.17	ppb	99
34) Dibenz[a,h]anthracene	12.091	278	6822	38.09	ppb	94
35) Benzo[g,h,i]perylene	12.388	276	7418	41.32	ppb	100

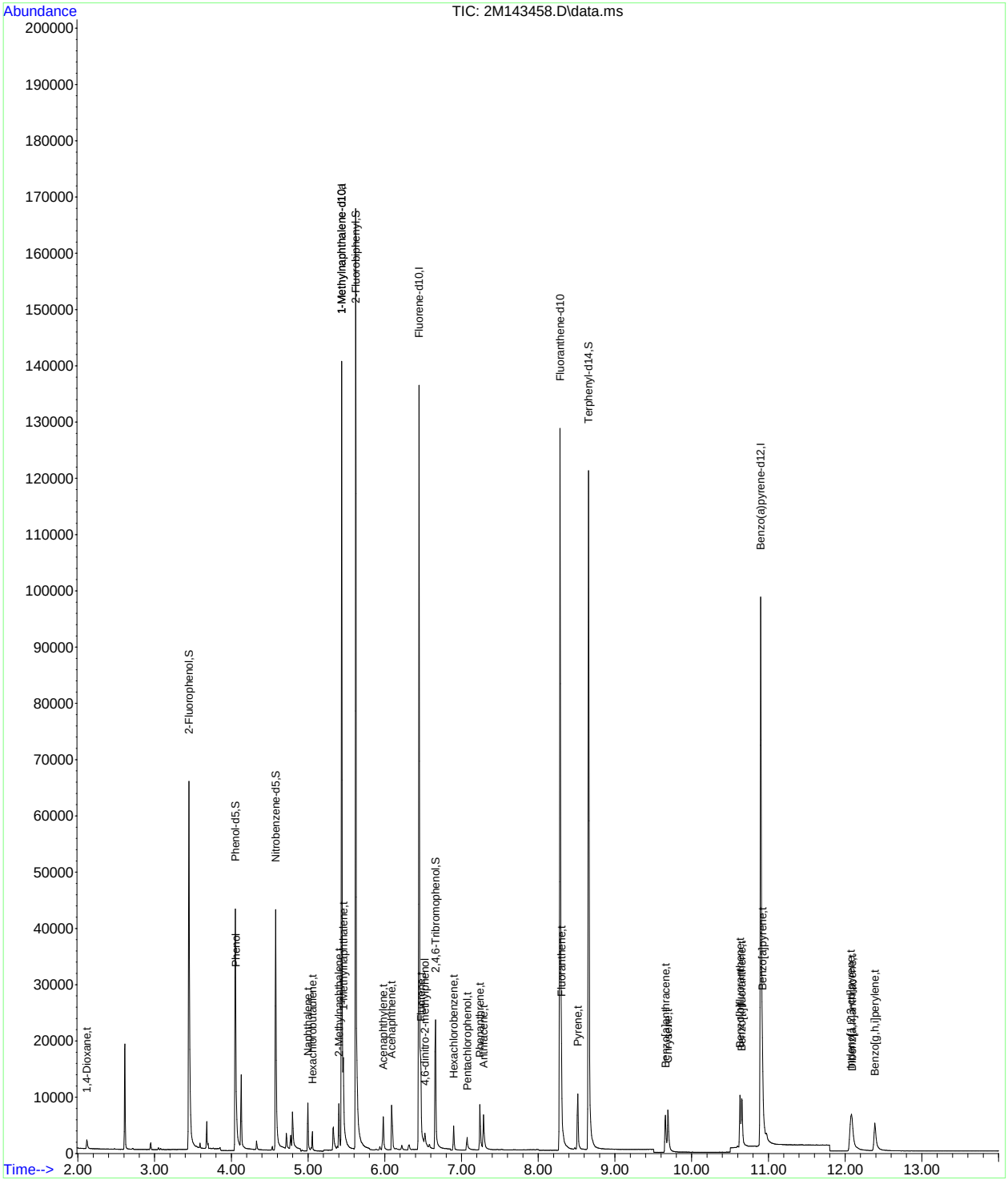
(#) = qualifier out of range (m) = manual integration (+) = signals summed

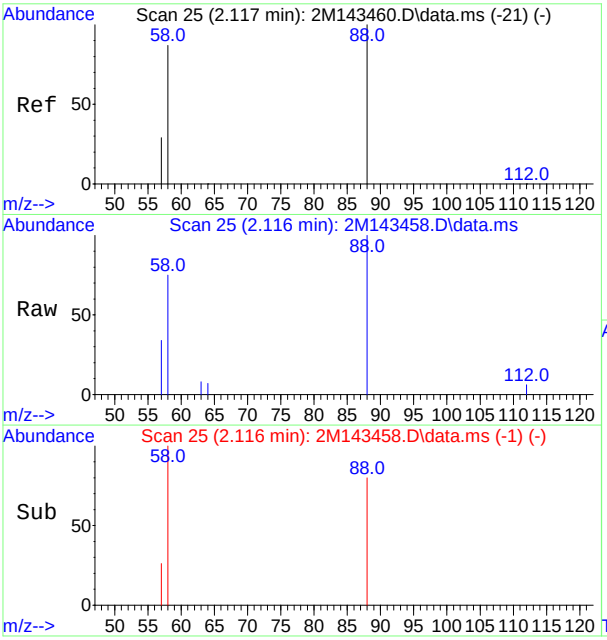
9.5.5
6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143458.D
Acq On : 18 Sep 2025 6:17 pm
Operator : rocquans
Sample : ic6496-0.04
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 19 10:09:34 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 09:56:26 2025
Response via : Initial Calibration

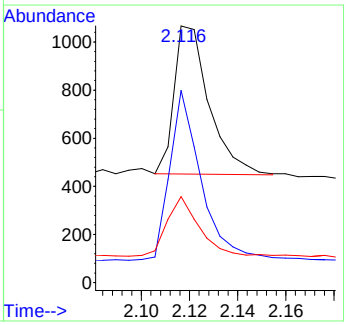


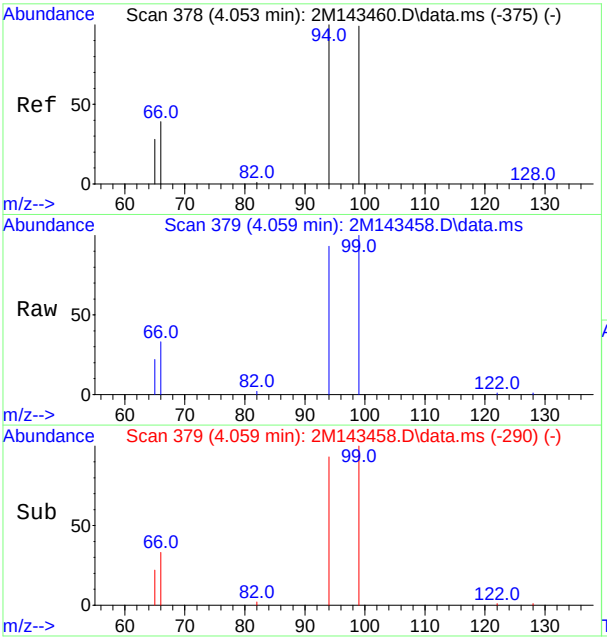


#2
1,4-Dioxane
Concen: 43.64 ppb m
RT: 2.116 min Scan# 25
Delta R.T. -0.000 min
Lab File: 2M143458.D
Acq: 18 Sep 2025 6:17 pm

Tgt Ion: 88 Resp: 624

Ion	Ratio	Lower	Upper
88	100		
58	74.9	66.8	106.8
57	33.6	8.9	48.9

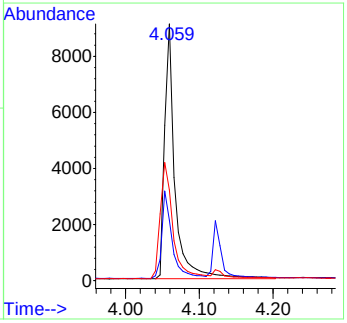


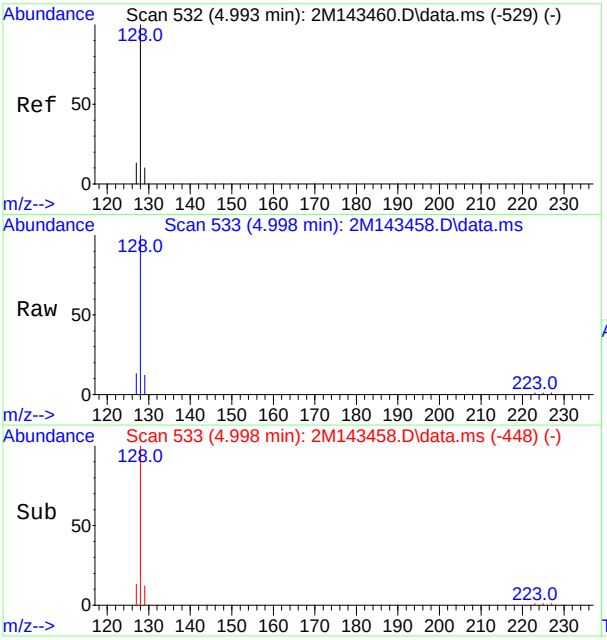


#5
Phenol
Concen: 203.30 ppb
RT: 4.059 min Scan# 379
Delta R.T. 0.006 min
Lab File: 2M143458.D
Acq: 18 Sep 2025 6:17 pm

Tgt Ion: 94 Resp: 9010

Ion	Ratio	Lower	Upper
94	100		
65	22.2	22.2	33.2
66	33.1	31.2	46.8

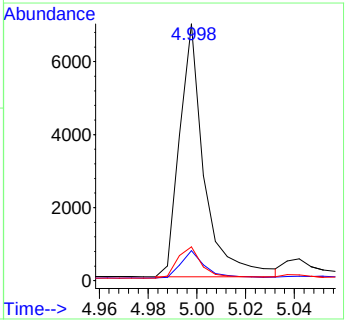


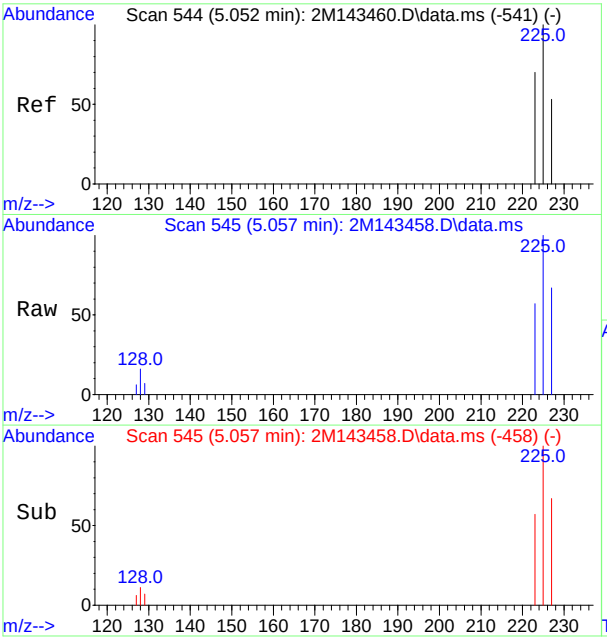


#7
Naphthalene
Concen: 40.84 ppb
RT: 4.998 min Scan# 533
Delta R.T. 0.005 min
Lab File: 2M143458.D
Acq: 18 Sep 2025 6:17 pm

Tgt Ion:128 Resp: 4870

Ion	Ratio	Lower	Upper
128	100		
129	10.8	0.0	40.0
127	12.2	0.0	43.4

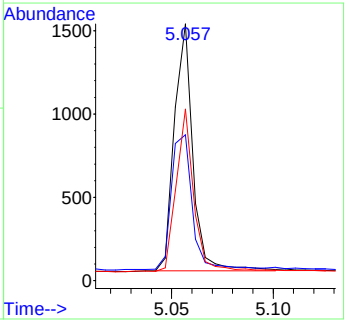


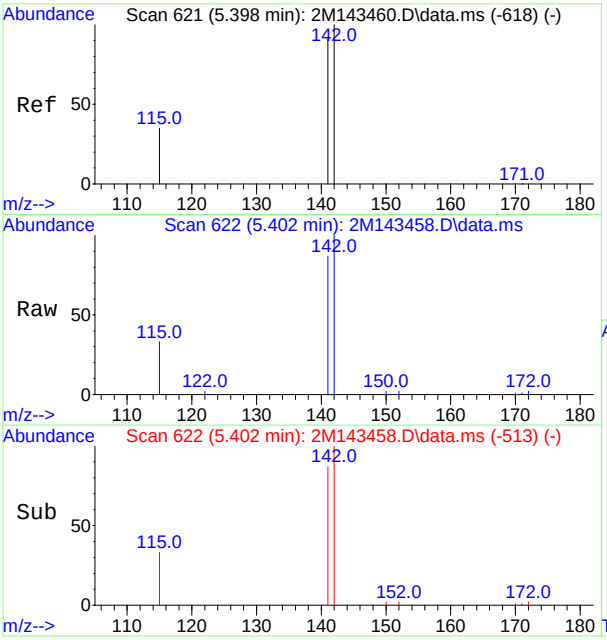


#8
Hexachlorobutadiene
Concen: 43.40 ppb
RT: 5.057 min Scan# 545
Delta R.T. 0.005 min
Lab File: 2M143458.D
Acq: 18 Sep 2025 6:17 pm

Tgt Ion:225 Resp: 934

Ion	Ratio	Lower	Upper
225	100		
223	54.2	40.1	100.1
227	65.7	23.2	83.2

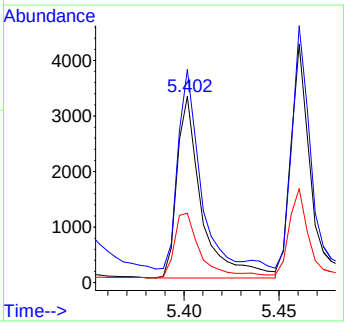


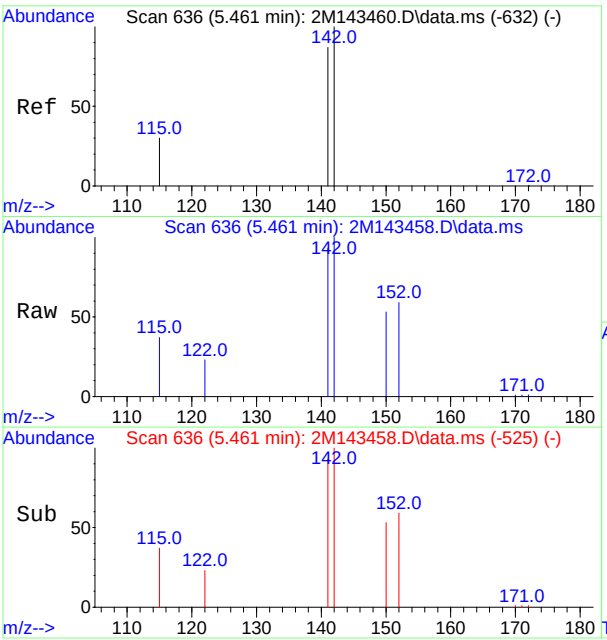


#9
2-Methylnaphthalene
Concen: 40.54 ppb
RT: 5.402 min Scan# 622
Delta R.T. 0.004 min
Lab File: 2M143458.D
Acq: 18 Sep 2025 6:17 pm

Tgt Ion:141 Resp: 2943

Ion	Ratio	Lower	Upper
141	100		
142	111.6	79.2	139.2
115	35.4	8.0	68.0

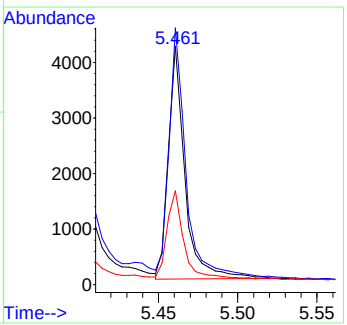


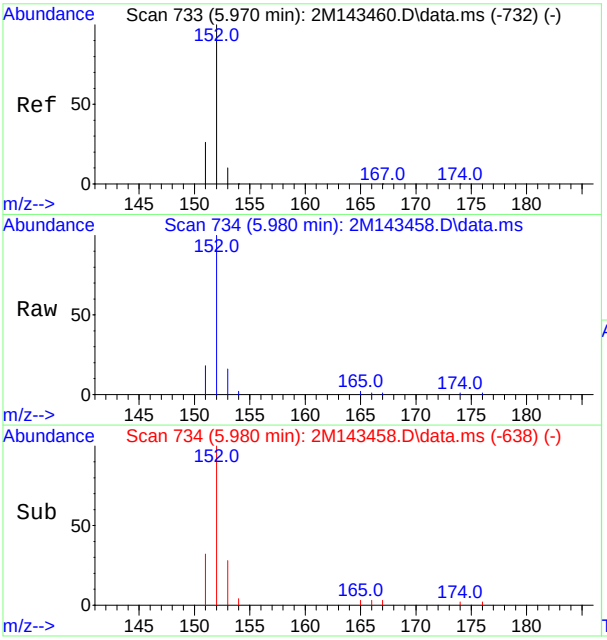


#10
1-Methylnaphthalene
Concen: 41.57 ppb
RT: 5.461 min Scan# 636
Delta R.T. -0.000 min
Lab File: 2M143458.D
Acq: 18 Sep 2025 6:17 pm

Tgt Ion:141 Resp: 3061

Ion	Ratio	Lower	Upper
141	100		
142	106.9	85.6	145.6
115	37.9	4.2	64.2

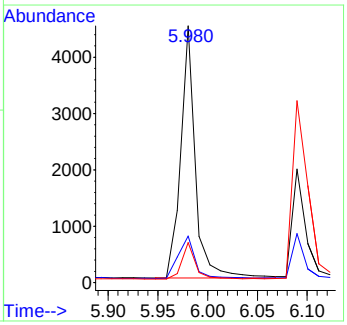


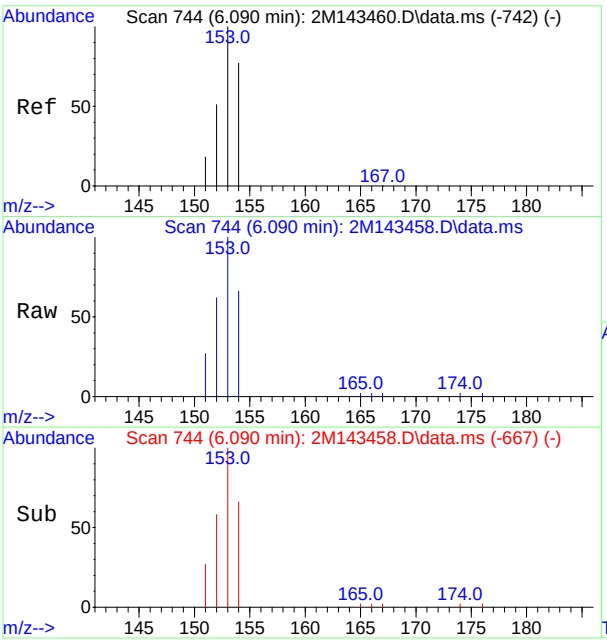


#14
Acenaphthylene
Concen: 43.84 ppb
RT: 5.980 min Scan# 734
Delta R.T. 0.011 min
Lab File: 2M143458.D
Acq: 18 Sep 2025 6:17 pm

Tgt Ion:152 Resp: 4611

Ion	Ratio	Lower	Upper
152	100		
151	16.7	0.0	55.9
153	14.4	0.0	39.6

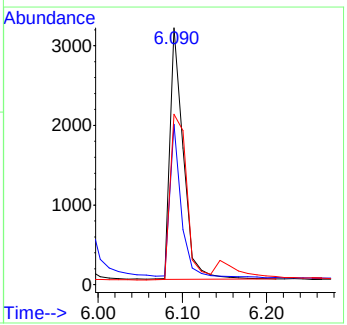


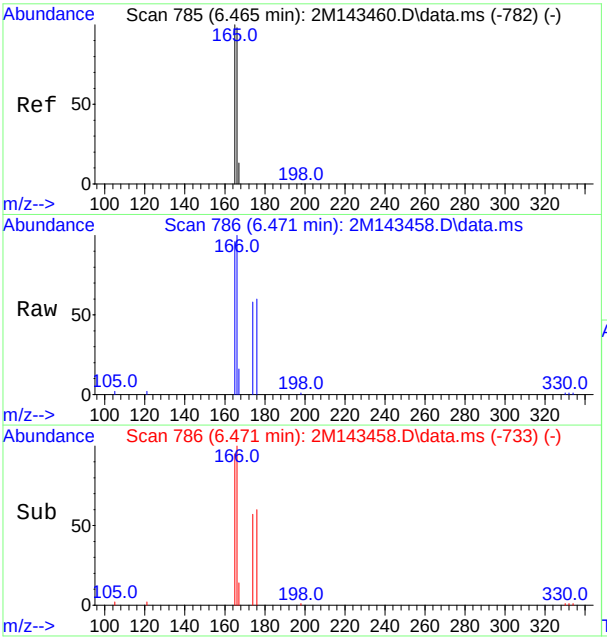


#15
Acenaphthene
Concen: 38.41 ppb
RT: 6.090 min Scan# 744
Delta R.T. -0.000 min
Lab File: 2M143458.D
Acq: 18 Sep 2025 6:17 pm

Tgt Ion:153 Resp: 3512

Ion	Ratio	Lower	Upper
153	100		
152	60.7	20.8	80.8
154	65.3	47.0	107.0

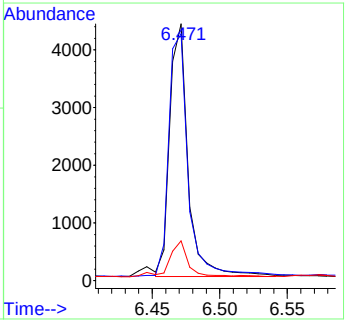


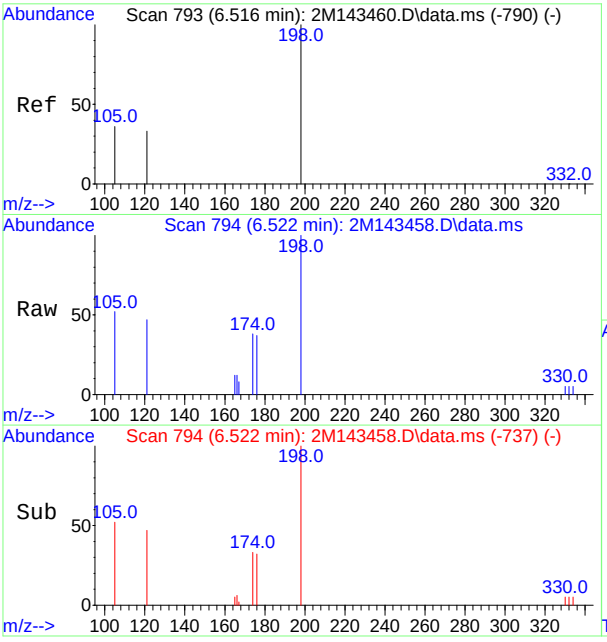


#16
Fluorene
Concen: 42.22 ppb
RT: 6.471 min Scan# 786
Delta R.T. 0.006 min
Lab File: 2M143458.D
Acq: 18 Sep 2025 6:17 pm

Tgt Ion:166 Resp: 4155

Ion	Ratio	Lower	Upper
166	100		
165	96.5	72.1	132.1
167	13.8	0.0	43.0

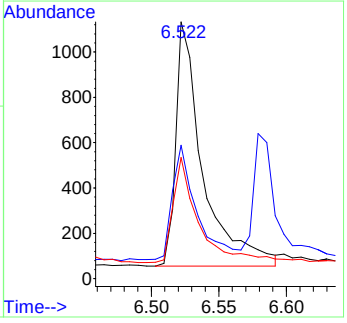


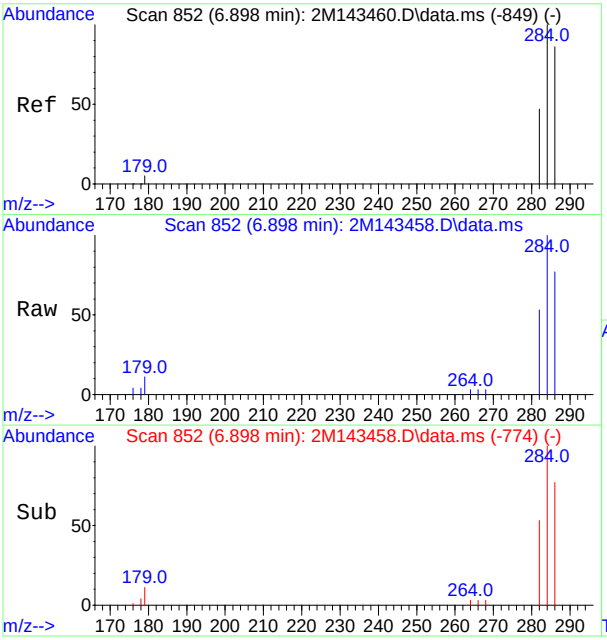


#17
4,6-dinitro-2-methylphenol
Concen: 168.29 ppb
RT: 6.522 min Scan# 794
Delta R.T. 0.006 min
Lab File: 2M143458.D
Acq: 18 Sep 2025 6:17 pm

Tgt Ion:198 Resp: 1501

Ion	Ratio	Lower	Upper
198	100		
105	38.6	14.9	54.9
121	43.2	12.5	52.5

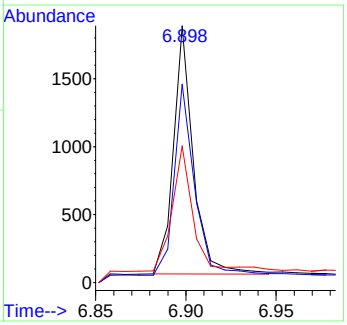


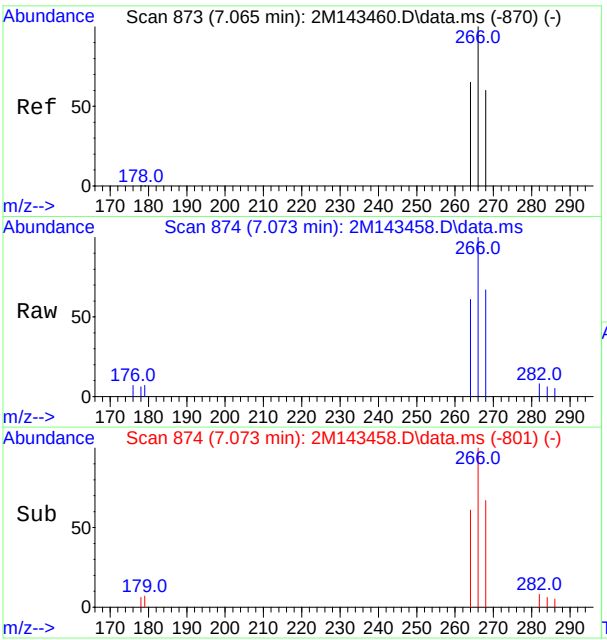


#20
Hexachlorobenzene
Concen: 42.16 ppb m
RT: 6.898 min Scan# 852
Delta R.T. -0.000 min
Lab File: 2M143458.D
Acq: 18 Sep 2025 6:17 pm

Tgt Ion:284 Resp: 1401

Ion	Ratio	Lower	Upper
284	100		
286	77.2	55.8	115.8
282	53.2	17.4	77.4

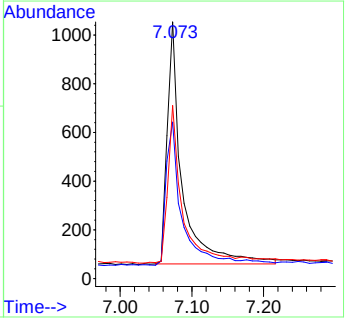


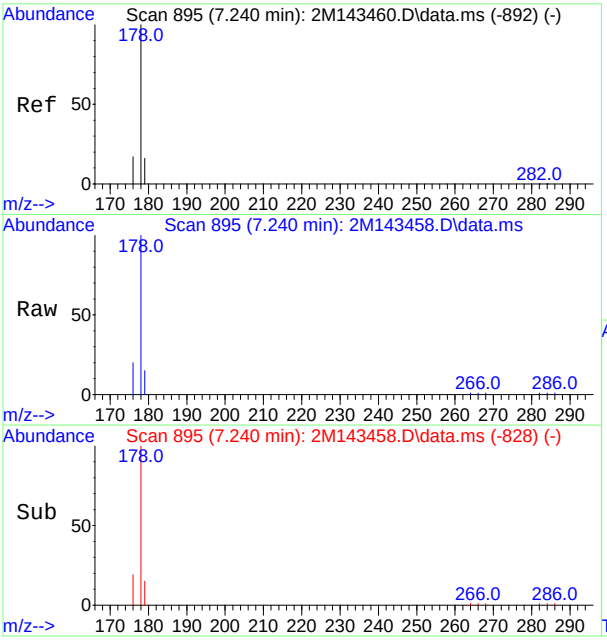


#21
Pentachlorophenol
Concen: 166.32 ppb
RT: 7.073 min Scan# 874
Delta R.T. 0.008 min
Lab File: 2M143458.D
Acq: 18 Sep 2025 6:17 pm

Tgt Ion:266 Resp: 1444

Ion	Ratio	Lower	Upper
266	100		
264	59.1	35.4	95.4
268	64.7	30.0	90.0

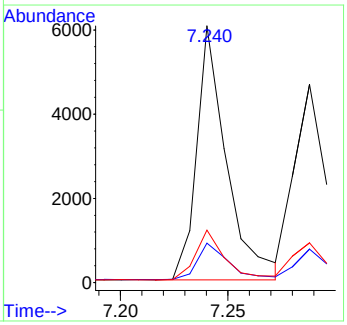


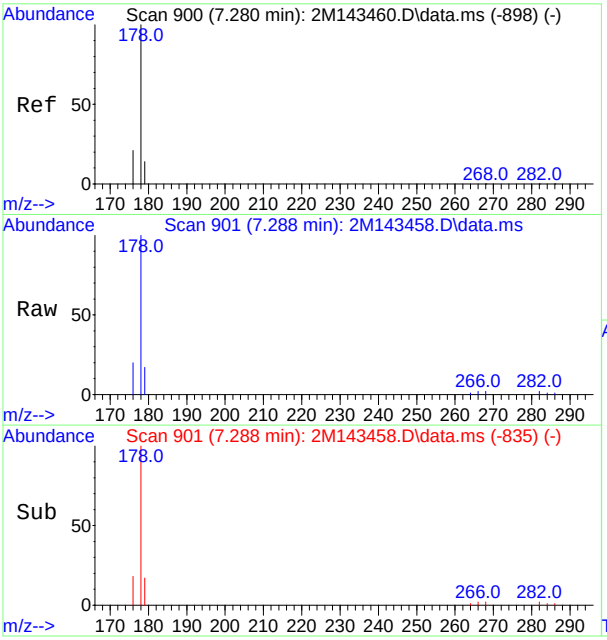


#22
Phenanthrene
Concen: 41.59 ppb
RT: 7.240 min Scan# 895
Delta R.T. -0.000 min
Lab File: 2M143458.D
Acq: 18 Sep 2025 6:17 pm

Tgt Ion:178 Resp: 5853

Ion	Ratio	Lower	Upper
178	100		
179	14.3	0.0	46.1
176	19.5	0.0	47.1

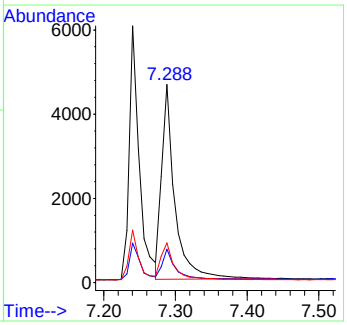


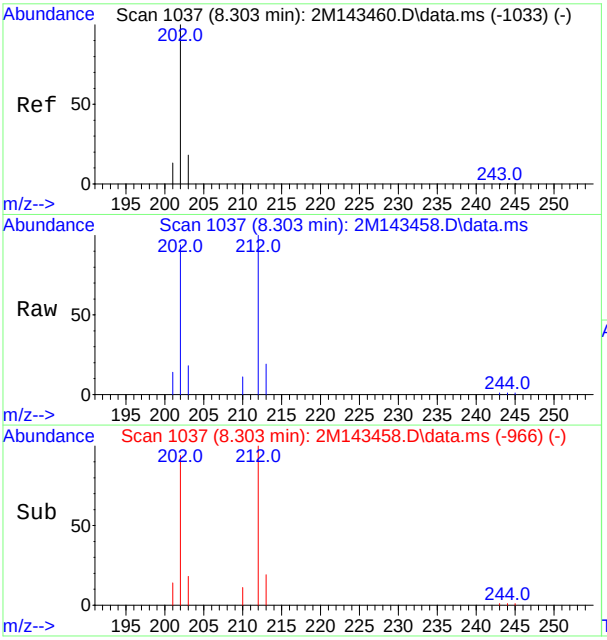


#23
Anthracene
Concen: 41.50 ppb
RT: 7.288 min Scan# 901
Delta R.T. 0.008 min
Lab File: 2M143458.D
Acq: 18 Sep 2025 6:17 pm

Tgt Ion:178 Resp: 5911

Ion	Ratio	Lower	Upper
178	100		
179	15.5	0.0	44.2
176	18.7	0.0	50.7

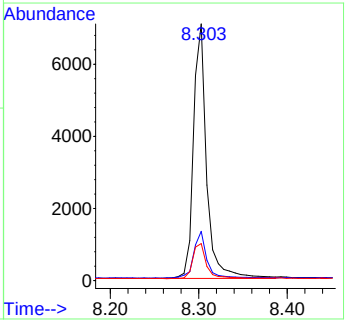


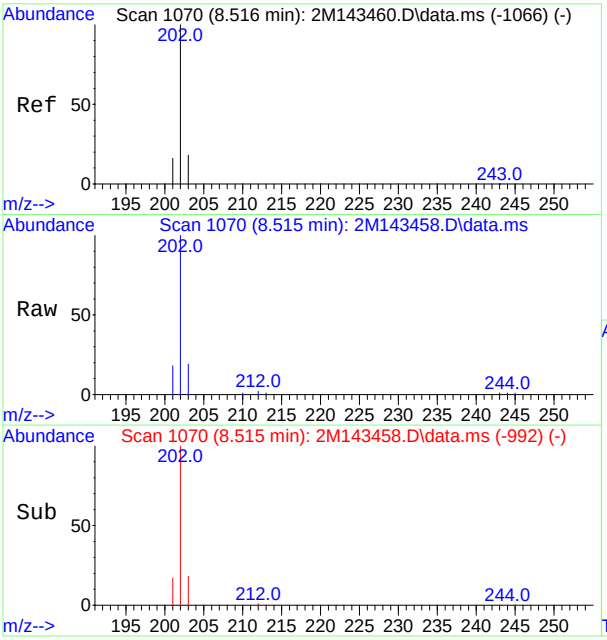


#24
Fluoranthene
Concen: 43.75 ppb
RT: 8.303 min Scan# 1037
Delta R.T. -0.000 min
Lab File: 2M143458.D
Acq: 18 Sep 2025 6:17 pm

Tgt Ion:202 Resp: 7272

Ion	Ratio	Lower	Upper
202	100		
203	18.3	0.0	47.9
201	13.7	0.0	43.2

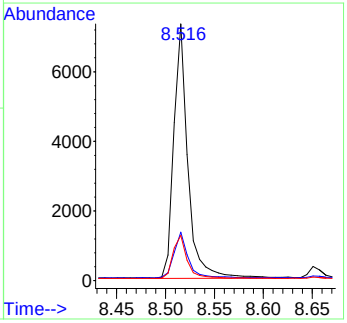


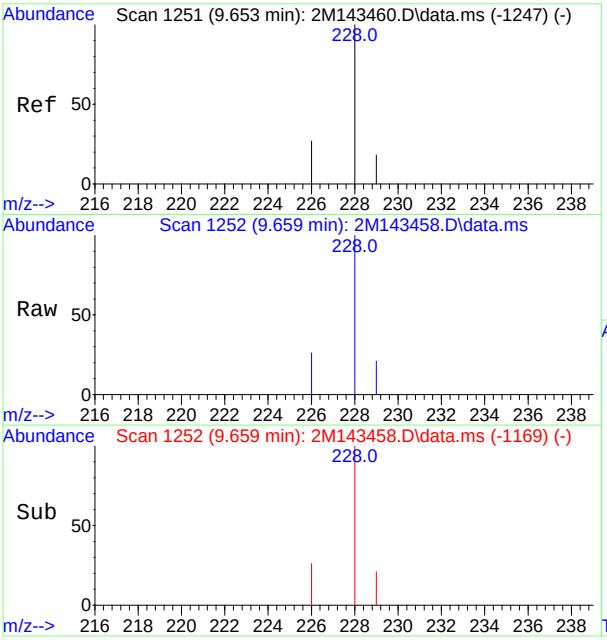


#25
Pyrene
Concen: 43.69 ppb
RT: 8.515 min Scan# 1070
Delta R.T. -0.000 min
Lab File: 2M143458.D
Acq: 18 Sep 2025 6:17 pm

Tgt Ion:202 Resp: 7312

Ion	Ratio	Lower	Upper
202	100		
203	18.0	0.0	48.3
201	16.9	0.0	46.1

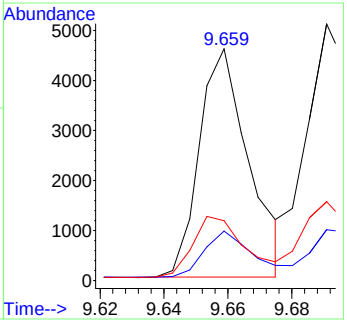


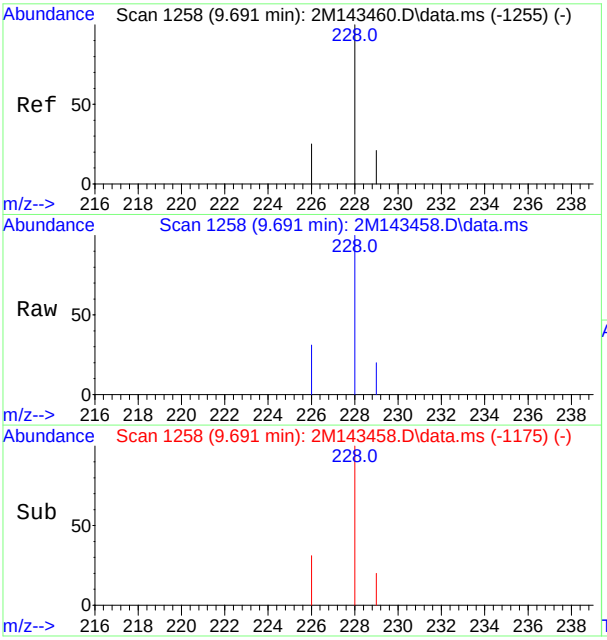


#27
Benzo[a]anthracene
Concen: 39.09 ppb
RT: 9.659 min Scan# 1252
Delta R.T. 0.005 min
Lab File: 2M143458.D
Acq: 18 Sep 2025 6:17 pm

Tgt Ion:228 Resp: 4925

Ion	Ratio	Lower	Upper
228	100		
229	20.2	0.0	48.4
226	24.4	0.0	56.5

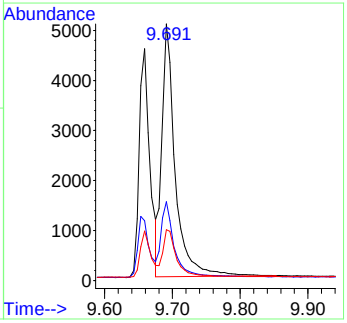




#28
Chrysene
Concen: 45.16 ppb
RT: 9.691 min Scan# 1258
Delta R.T. -0.000 min
Lab File: 2M143458.D
Acq: 18 Sep 2025 6:17 pm

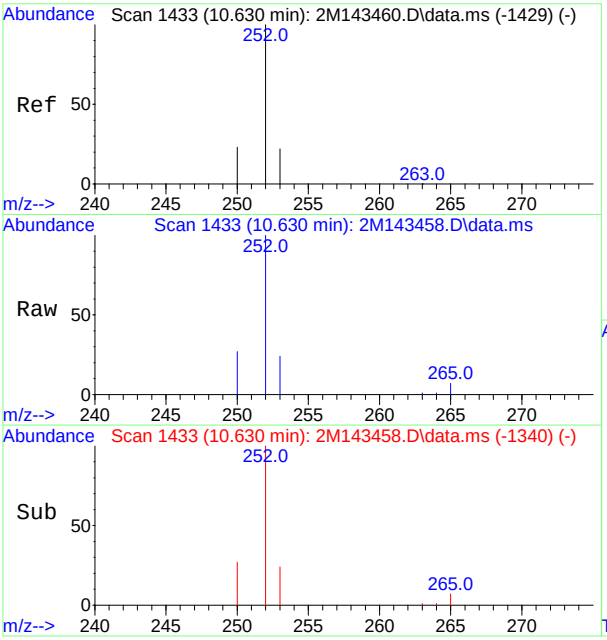
Tgt Ion:228 Resp: 6909

Ion	Ratio	Lower	Upper
228	100		
226	30.2	0.0	55.9
229	18.4	0.0	50.5



9.5.5

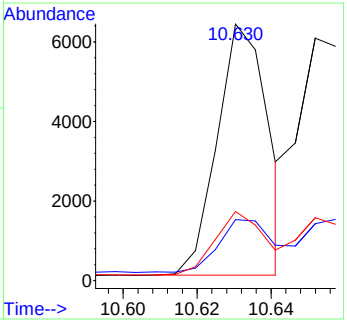
6

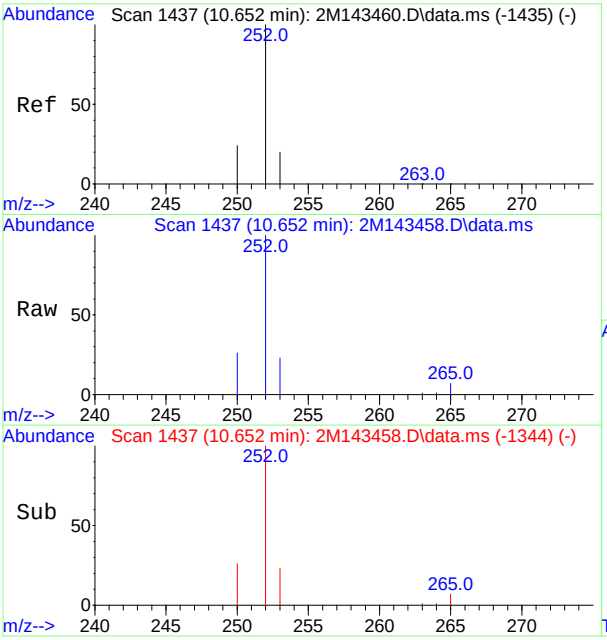


#30
Benzo[b]fluoranthene
Concen: 40.70 ppb
RT: 10.630 min Scan# 1433
Delta R.T. -0.000 min
Lab File: 2M143458.D
Acq: 18 Sep 2025 6:17 pm

Tgt Ion:252 Resp: 6035

Ion	Ratio	Lower	Upper
252	100		
253	20.0	0.0	52.3
250	26.1	0.0	52.9

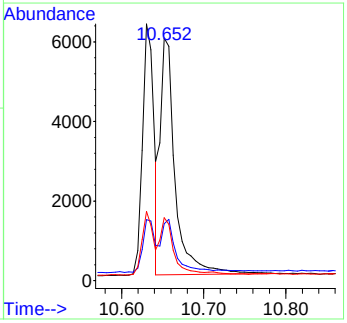




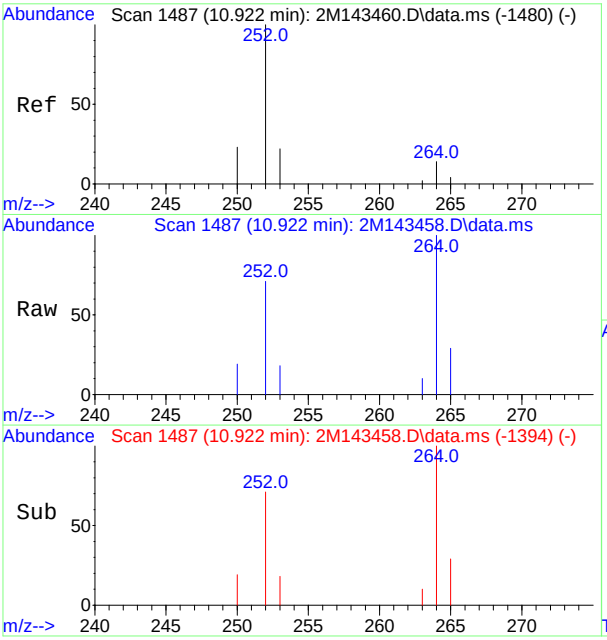
#31
Benzo[k]fluoranthene
Concen: 43.84 ppb
RT: 10.652 min Scan# 1437
Delta R.T. -0.000 min
Lab File: 2M143458.D
Acq: 18 Sep 2025 6:17 pm

Tgt Ion:252 Resp: 7507

Ion	Ratio	Lower	Upper
252	100		
253	19.0	0.0	51.6
250	24.6	0.0	54.5



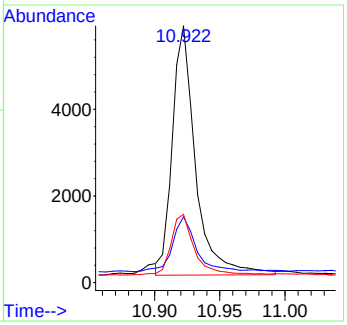
9.5.5
6

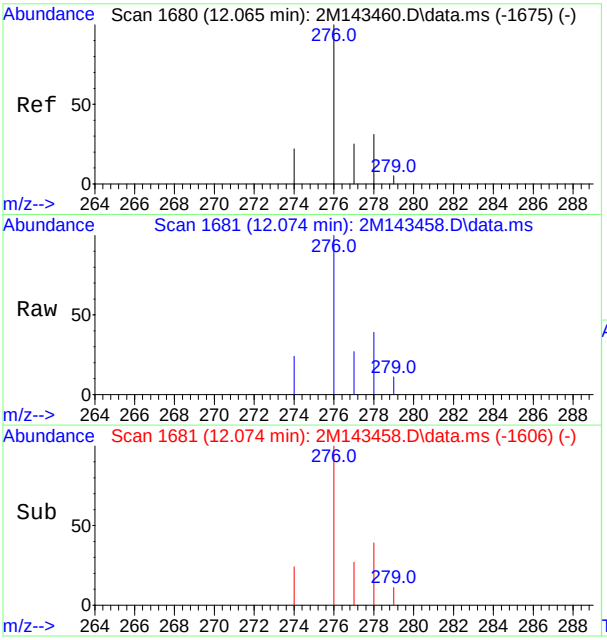


#32
Benzo[a]pyrene
Concen: 43.91 ppb
RT: 10.922 min Scan# 1487
Delta R.T. -0.000 min
Lab File: 2M143458.D
Acq: 18 Sep 2025 6:17 pm

Tgt Ion:252 Resp: 7174

Ion	Ratio	Lower	Upper
252	100		
253	21.7	0.0	52.4
250	24.6	0.0	53.4

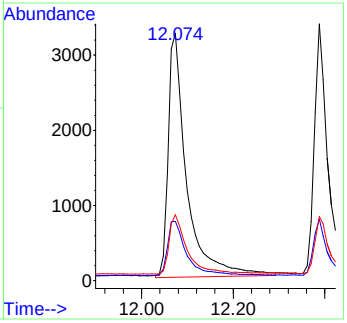


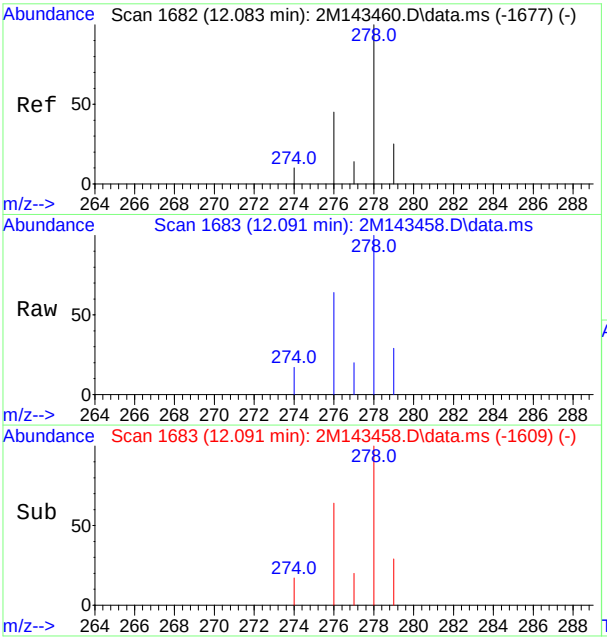


#33
Indeno[1,2,3-cd]pyrene
Concen: 41.17 ppb
RT: 12.074 min Scan# 1681
Delta R.T. 0.009 min
Lab File: 2M143458.D
Acq: 18 Sep 2025 6:17 pm

Tgt Ion:276 Resp: 9067

Ion	Ratio	Lower	Upper
276	100		
274	22.4	0.0	52.2
277	24.4	0.0	54.9

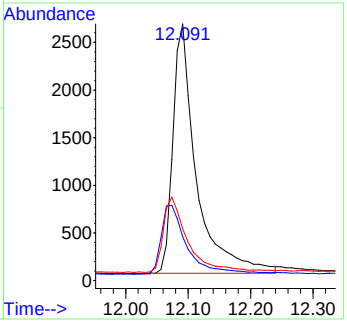


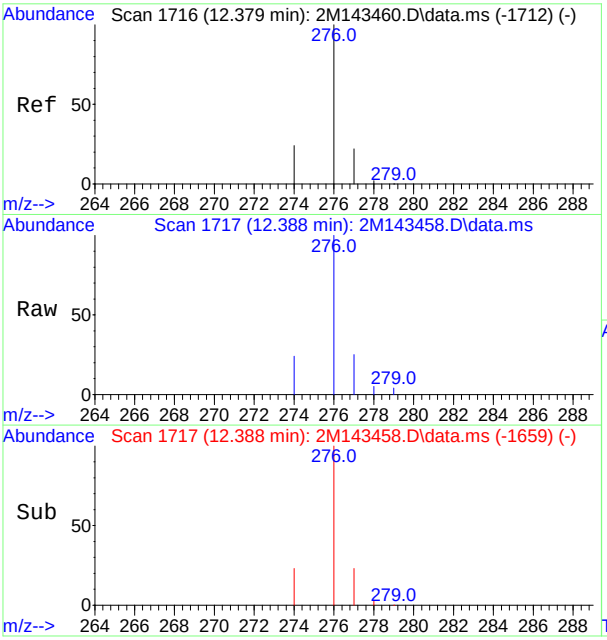


#34
Dibenz[a,h]anthracene
Concen: 38.09 ppb
RT: 12.091 min Scan# 1683
Delta R.T. 0.009 min
Lab File: 2M143458.D
Acq: 18 Sep 2025 6:17 pm

Tgt Ion:278 Resp: 6822

Ion	Ratio	Lower	Upper
278	100		
274	13.1	0.0	40.7
277	16.5	0.0	44.0

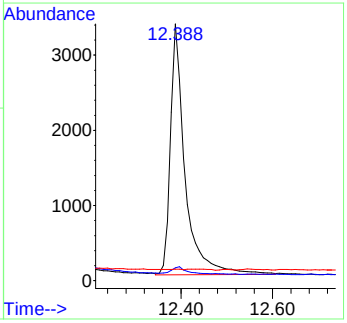




#35
Benzo[g,h,i]perylene
Concen: 41.32 ppb
RT: 12.388 min Scan# 1717
Delta R.T. 0.009 min
Lab File: 2M143458.D
Acq: 18 Sep 2025 6:17 pm

Tgt Ion:276 Resp: 7418

Ion	Ratio	Lower	Upper
276	100		
278	2.2	0.0	32.2
279	0.2	0.0	30.1



Manual Integration Approval Summary

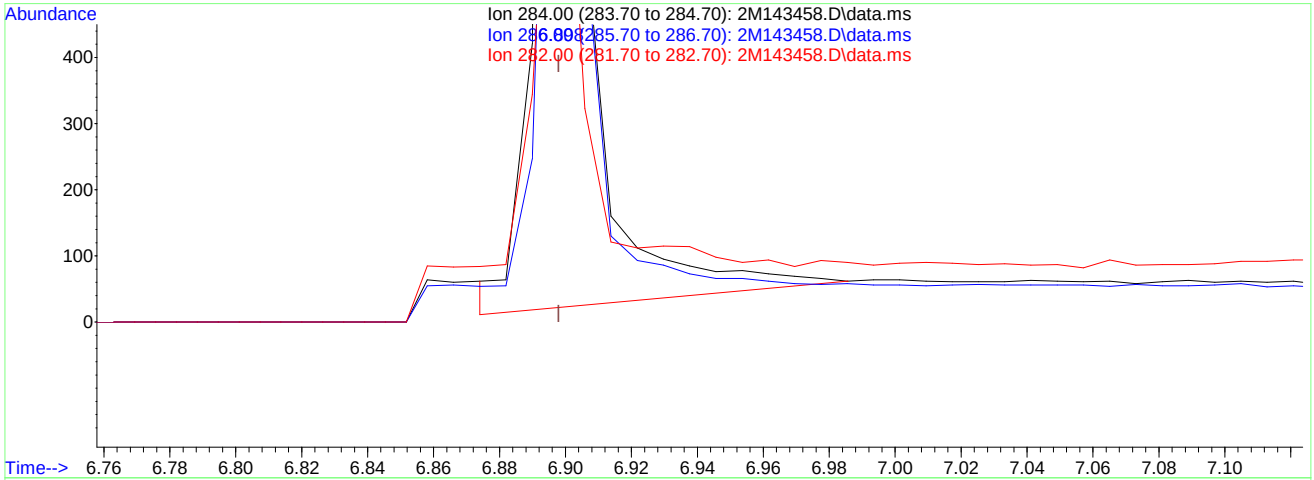
Sample Number: E2M6496-IC6496
Lab FileID: 2M143458.D
Injection Time: 09/18/25 18:17
Method: SW846 8270E BY SIM
Analyst approved: 09/19/25 10:52 Ying Li
Supervisor approved: 09/19/25 11:26 Jon Kreigmor Mamanta

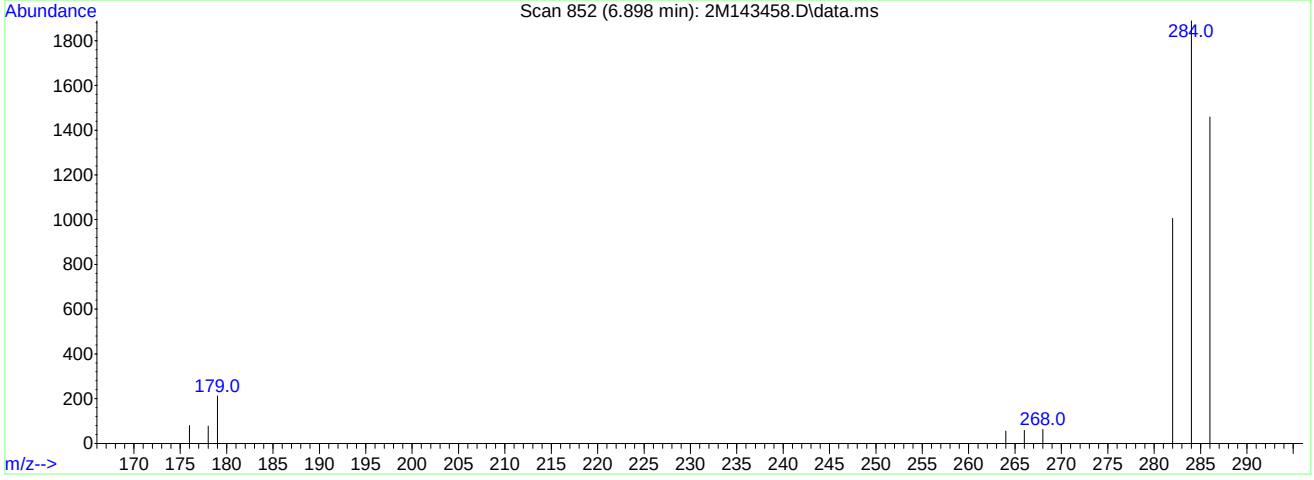
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,4-Dioxane	123-91-1		2.12	Poor instrument integration
Hexachlorobenzene	118-74-1		6.90	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143458.D
Acq On : 18 Sep 2025 6:17 pm
Operator : rocquans
Sample : ic6496-0.04
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 19 10:08:47 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 09:56:26 2025
Response via : Initial Calibration





TIC: 2M143458.D\data.ms

(20) Hexachlorobenzene (t)

6.898min (-0.000) 48.00ppb

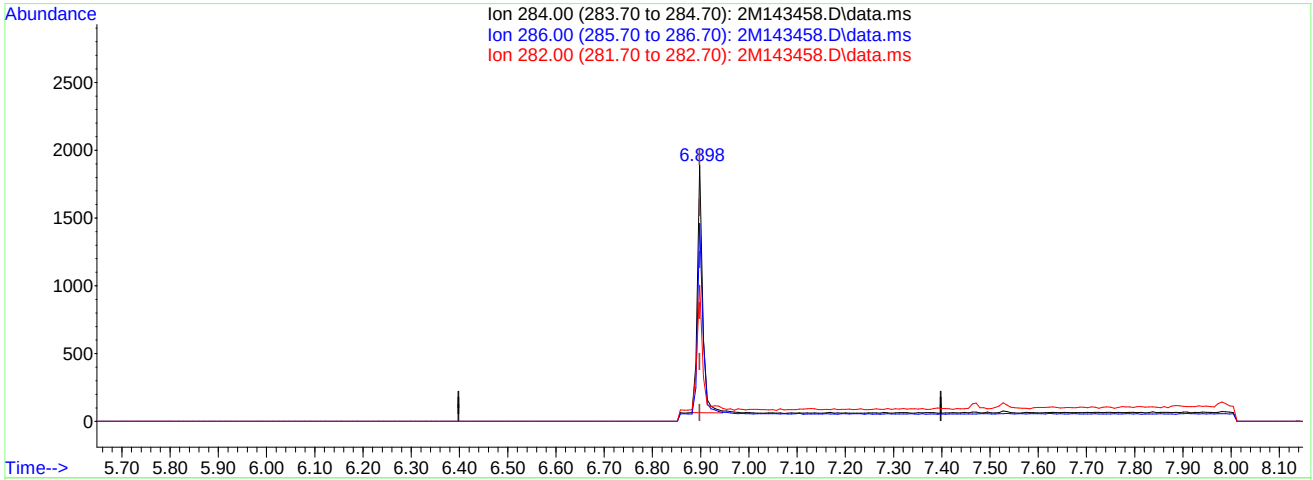
response 1595

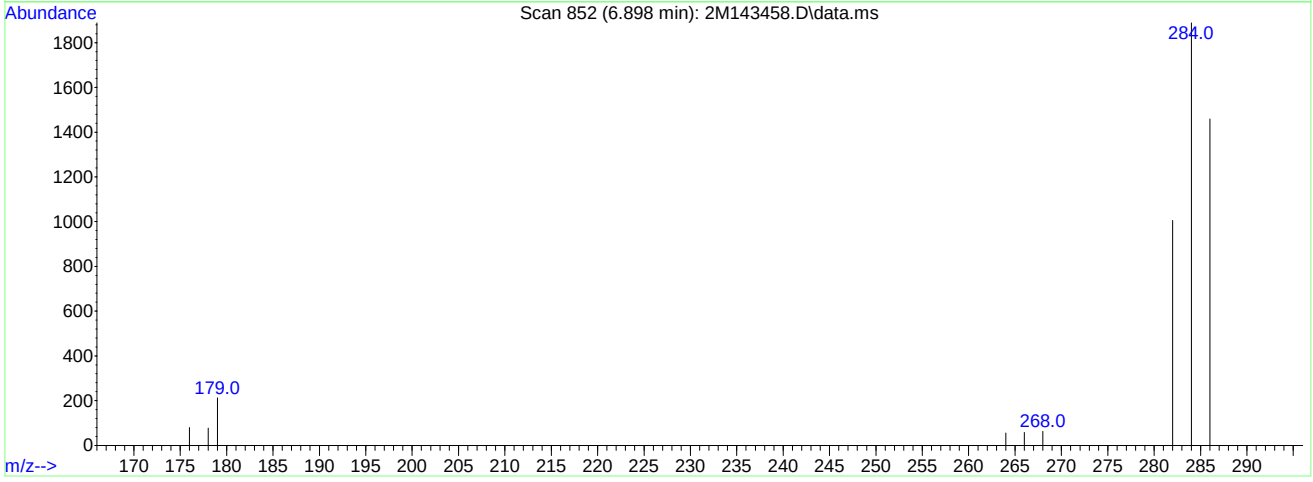
Ion	Exp%	Act%
284.00	100	100
286.00	85.80	76.79
282.00	47.40	50.25
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143458.D
Acq On : 18 Sep 2025 6:17 pm
Operator : rocquans
Sample : ic6496-0.04
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 19 10:08:47 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 09:56:26 2025
Response via : Initial Calibration





TIC: 2M143458.D\data.ms

(20) Hexachlorobenzene (t)

6.898min (-0.000) 42.16ppb m

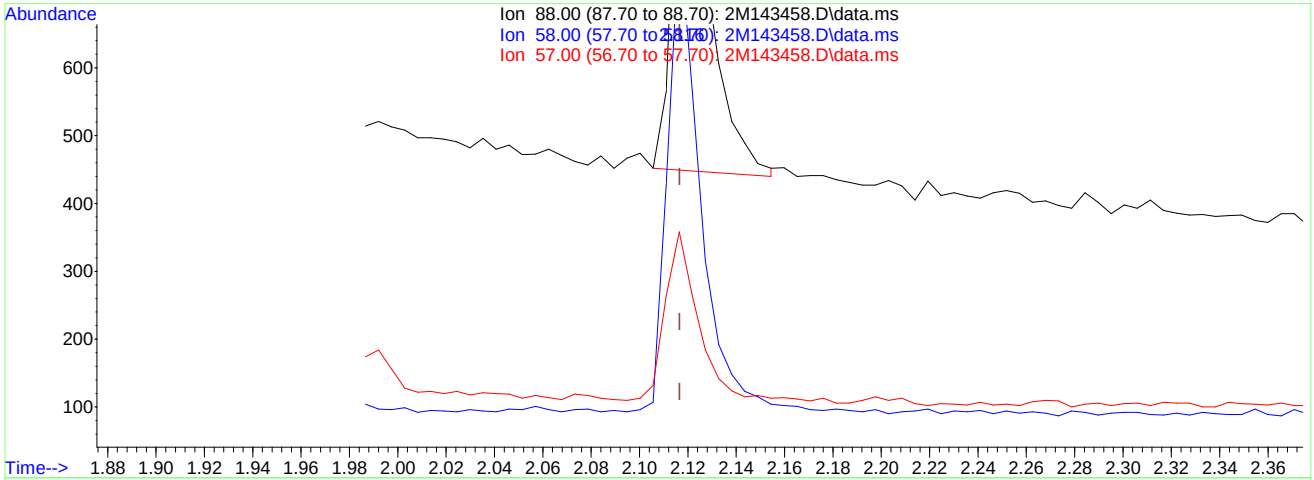
response 1401

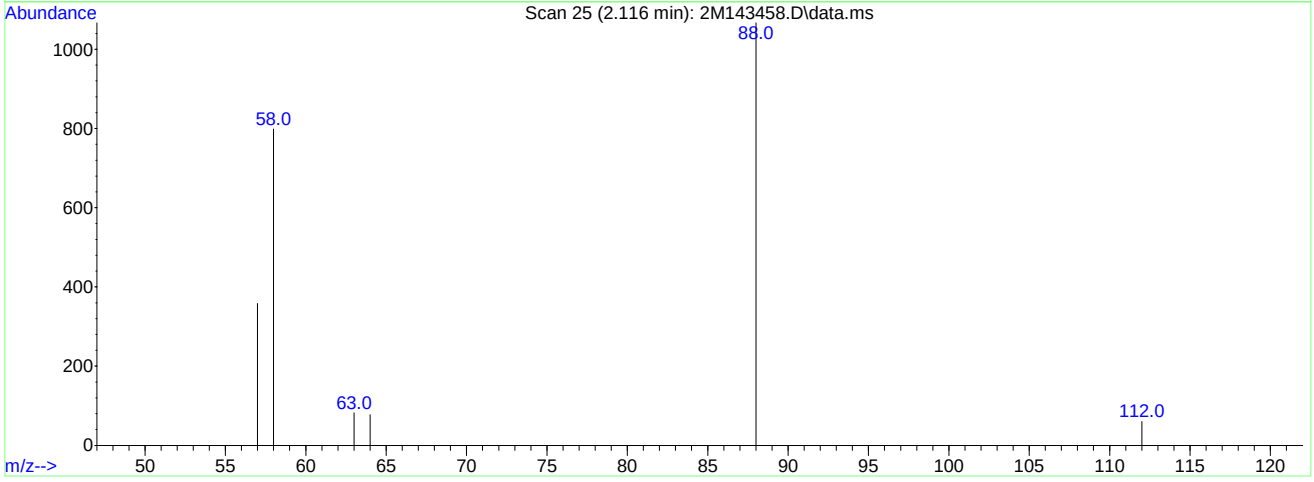
Ion	Exp%	Act%
284.00	100	100
286.00	85.80	77.24
282.00	47.40	53.20
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143458.D
Acq On : 18 Sep 2025 6:17 pm
Operator : rocquans
Sample : ic6496-0.04
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 19 10:08:47 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 09:56:26 2025
Response via : Initial Calibration





TIC: 2M143458.D\data.ms

(2) 1,4-Dioxane (t)

2.116min (-0.000) 44.48ppb

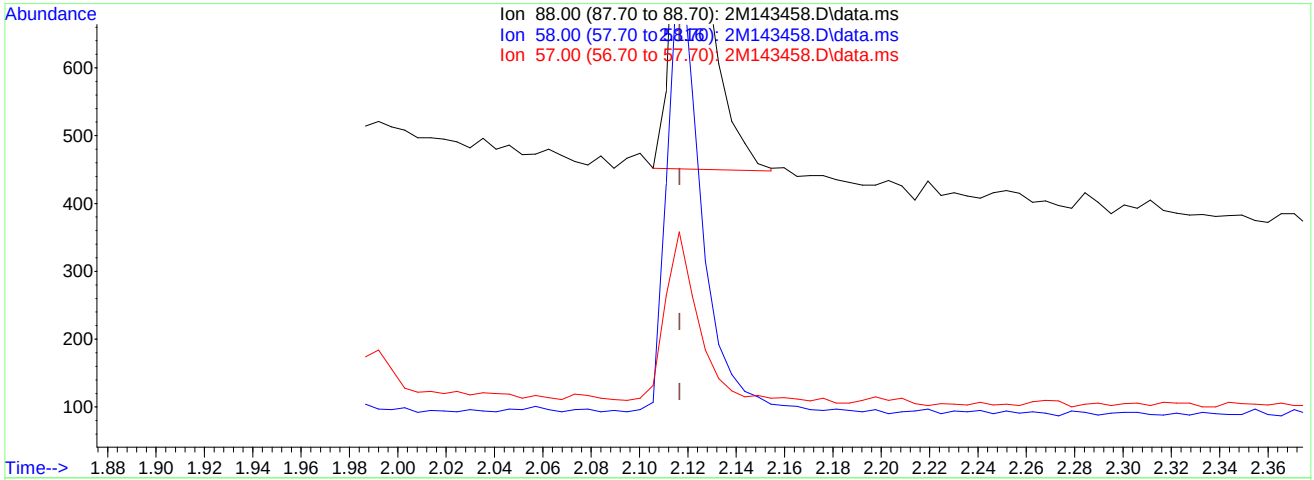
response 636

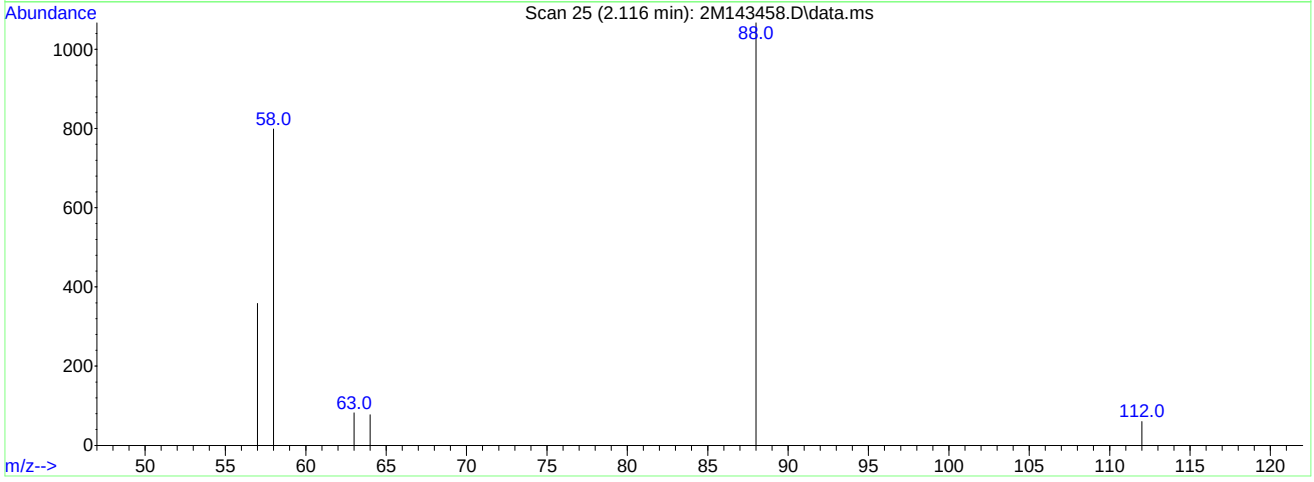
Ion	Exp%	Act%
88.00	100	100
58.00	86.80	112.76#
57.00	28.90	38.29
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143458.D
Acq On : 18 Sep 2025 6:17 pm
Operator : rocquans
Sample : ic6496-0.04
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 19 10:08:47 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 09:56:26 2025
Response via : Initial Calibration





TIC: 2M143458.D\data.ms

(2) 1,4-Dioxane (t)

2.116min (-0.000) 43.64ppb m

response 624

Ion	Exp%	Act%
88.00	100	100
58.00	86.80	74.88
57.00	28.90	33.55
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Jon Kreigmor Mamanta 09/19/25 11:26

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143459.D
Acq On : 18 Sep 2025 6:37 pm
Operator : rocquans
Sample : ic6496-0.1
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 19 10:04:27 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 09:56:26 2025
Response via : Initial Calibration

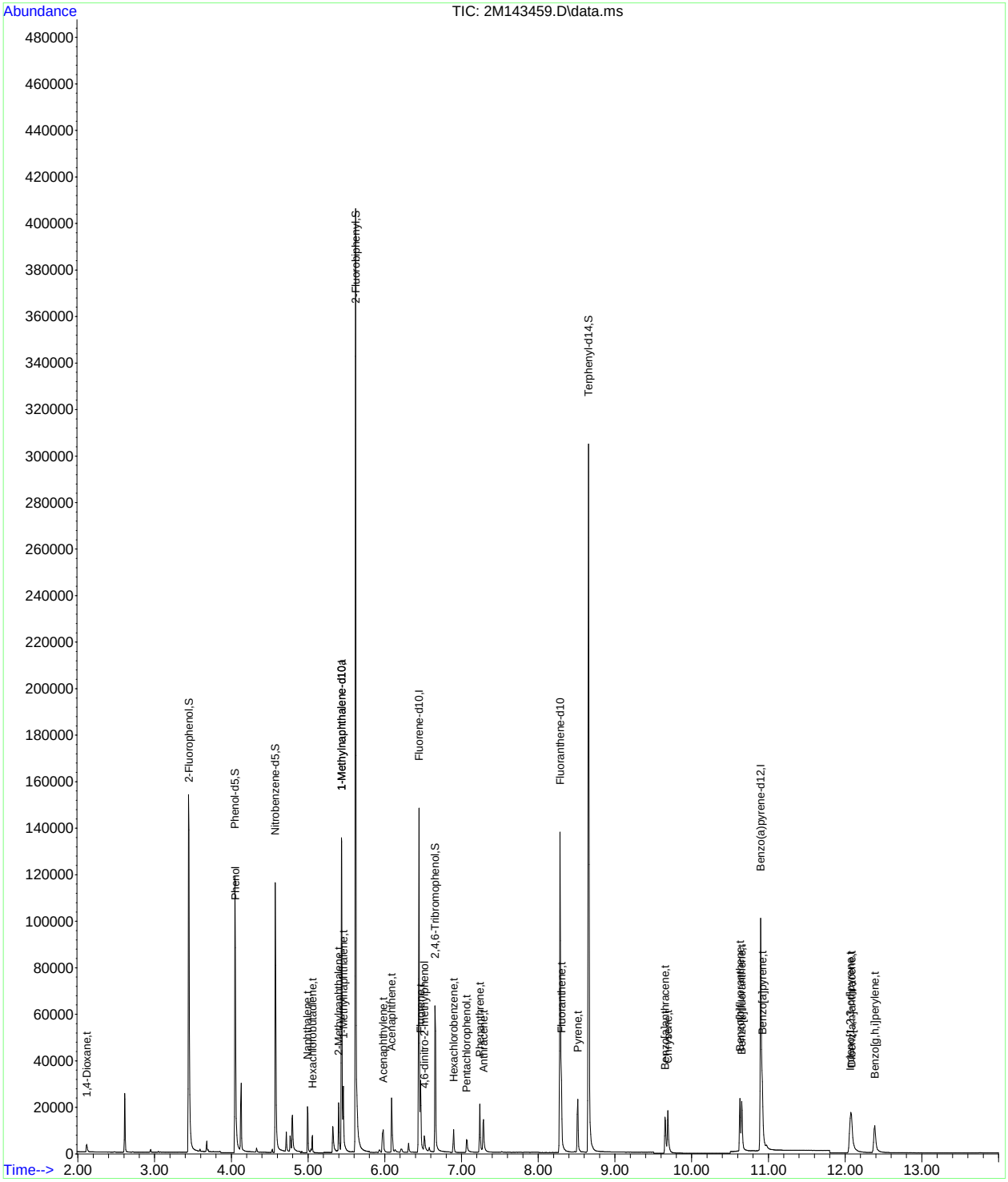
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	5.435	150	41494	800.00	ppb	0.00
12) Fluorene-d10	6.446	176	58281	800.00	ppb	0.00
19) Fluoranthene-d10	8.283	212	99732	800.00	ppb	0.00
29) Benzo(a)pyrene-d12	10.900	264	92205	800.00	ppb	0.00
36) 1-Methylnaphthalene-d10a	5.435	150	41494	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	3.448	112	63675	1895.29	ppb	0.00
Spiked Amount 10000.000			Recovery = 18.95%			
4) Phenol-d5	4.047	99	72938	1906.44	ppb	0.00
Spiked Amount 10000.000			Recovery = 19.06%			
6) Nitrobenzene-d5	4.572	82	67077	1872.95	ppb	0.00
Spiked Amount 10000.000			Recovery = 18.73%			
13) 2-Fluorobiphenyl	5.620	172	182188	1926.20	ppb	0.00
Spiked Amount 10000.000			Recovery = 19.26%			
18) 2,4,6-Tribromophenol	6.655	330	23724	1804.62	ppb	0.00
Spiked Amount 10000.000			Recovery = 18.05%			
26) Terphenyl-d14	8.657	244	197292	1864.01	ppb	0.00
Spiked Amount 10000.000			Recovery = 18.64%			
Target Compounds						Qvalue
2) 1,4-Dioxane	2.116	88	1354m	93.89	ppb	
5) Phenol	4.053	94	20918	467.94	ppb	# 88
7) Naphthalene	4.993	128	11416	94.92	ppb	98
8) Hexachlorobutadiene	5.057	225	2114	97.38	ppb	76
9) 2-Methylnaphthalene	5.397	141	6859	93.67	ppb	96
10) 1-Methylnaphthalene	5.461	141	7102	95.63	ppb	95
14) Acenaphthylene	5.980	152	10048m	93.17	ppb	
15) Acenaphthene	6.090	153	8502	90.68	ppb	93
16) Fluorene	6.465	166	9546	94.60	ppb	98
17) 4,6-dinitro-2-methylph...	6.516	198	4098	448.08	ppb	77
20) Hexachlorobenzene	6.898	284	3233	95.32	ppb	99
21) Pentachlorophenol	7.065	266	3668	413.91	ppb	93
22) Phenanthrene	7.240	178	13414	93.39	ppb	98
23) Anthracene	7.288	178	13933	95.84	ppb	93
24) Fluoranthene	8.303	202	15916	93.81	ppb	99
25) Pyrene	8.515	202	16650	97.46	ppb	99
27) Benzo[a]anthracene	9.653	228	11766	91.50	ppb	96
28) Chrysene	9.691	228	14839	95.03	ppb	97
30) Benzo[b]fluoranthene	10.630	252	14302	95.58	ppb	99
31) Benzo[k]fluoranthene	10.652	252	16420	95.03	ppb	98
32) Benzo[a]pyrene	10.922	252	16375	99.33	ppb	99
33) Indeno[1,2,3-cd]pyrene	12.065	276	20319	91.44	ppb	97
34) Dibenz[a,h]anthracene	12.082	278	16820	93.06	ppb	90
35) Benzo[g,h,i]perylene	12.388	276	16607	91.67	ppb	99

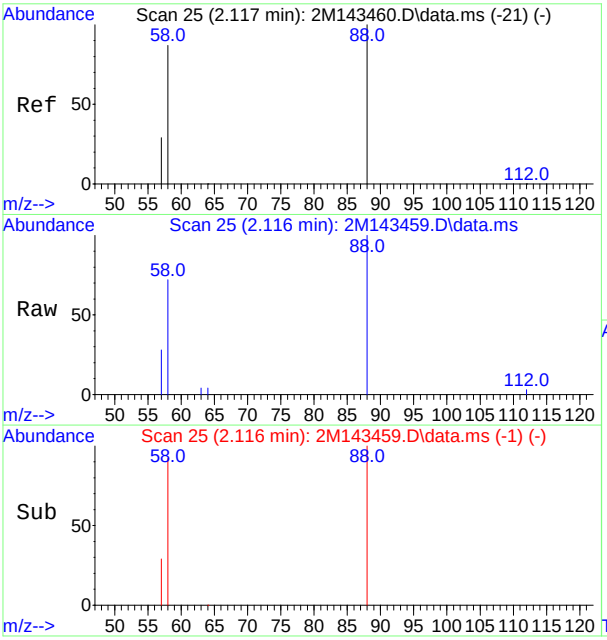
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143459.D
Acq On : 18 Sep 2025 6:37 pm
Operator : rocquans
Sample : ic6496-0.1
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 19 10:04:27 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 09:56:26 2025
Response via : Initial Calibration

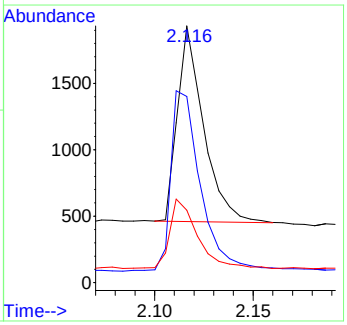


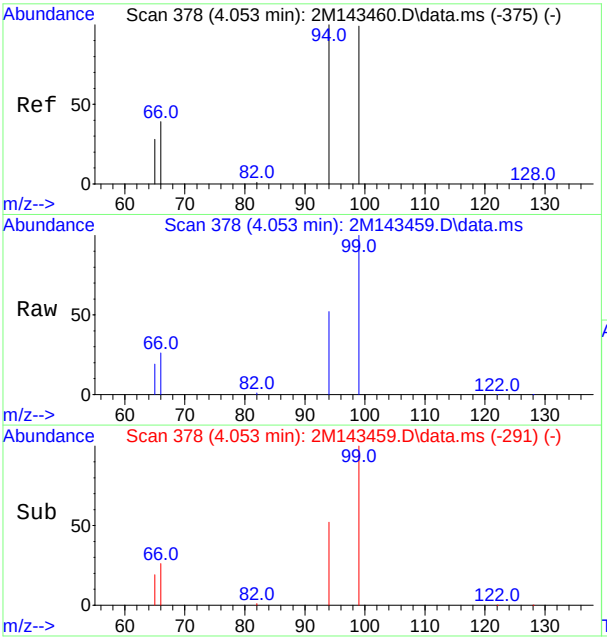


#2
1,4-Dioxane
Concen: 93.89 ppb m
RT: 2.116 min Scan# 25
Delta R.T. -0.000 min
Lab File: 2M143459.D
Acq: 18 Sep 2025 6:37 pm

Tgt Ion: 88 Resp: 1354

Ion	Ratio	Lower	Upper
88	100		
58	72.5	66.8	106.8
57	28.2	8.9	48.9

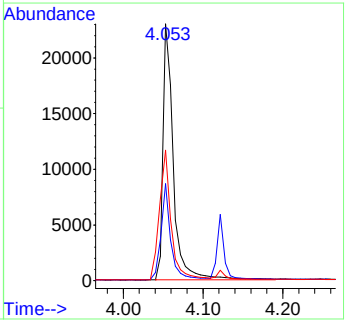


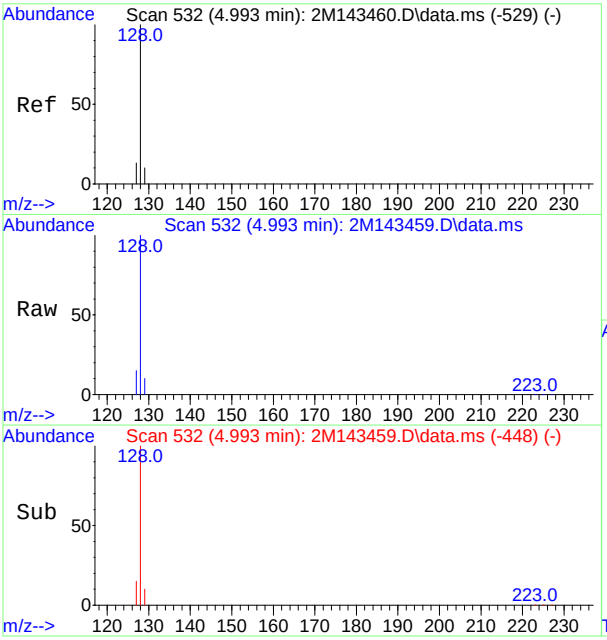


#5
Phenol
Concen: 467.94 ppb
RT: 4.053 min Scan# 378
Delta R.T. -0.000 min
Lab File: 2M143459.D
Acq: 18 Sep 2025 6:37 pm

Tgt Ion: 94 Resp: 20918

Ion	Ratio	Lower	Upper
94	100		
65	36.0	22.2	33.2#
66	45.1	31.2	46.8

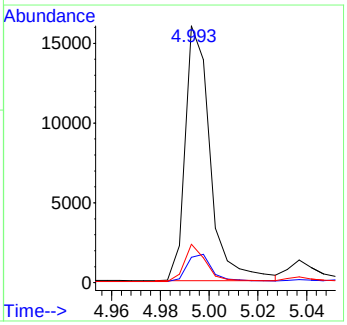


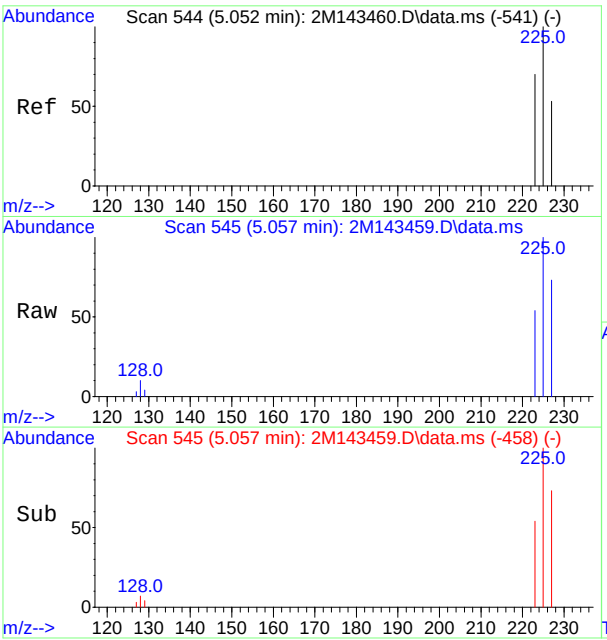


#7
Naphthalene
Concen: 94.92 ppb
RT: 4.993 min Scan# 532
Delta R.T. -0.000 min
Lab File: 2M143459.D
Acq: 18 Sep 2025 6:37 pm

Tgt Ion:128 Resp: 11416

Ion	Ratio	Lower	Upper
128	100		
129	9.5	0.0	40.0
127	14.7	0.0	43.4

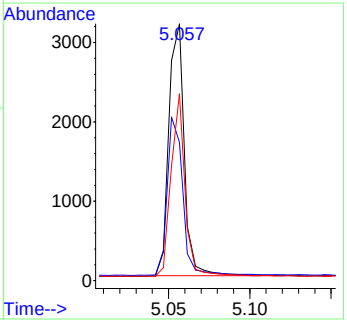




#8
Hexachlorobutadiene
Concen: 97.38 ppb
RT: 5.057 min Scan# 545
Delta R.T. 0.005 min
Lab File: 2M143459.D
Acq: 18 Sep 2025 6:37 pm

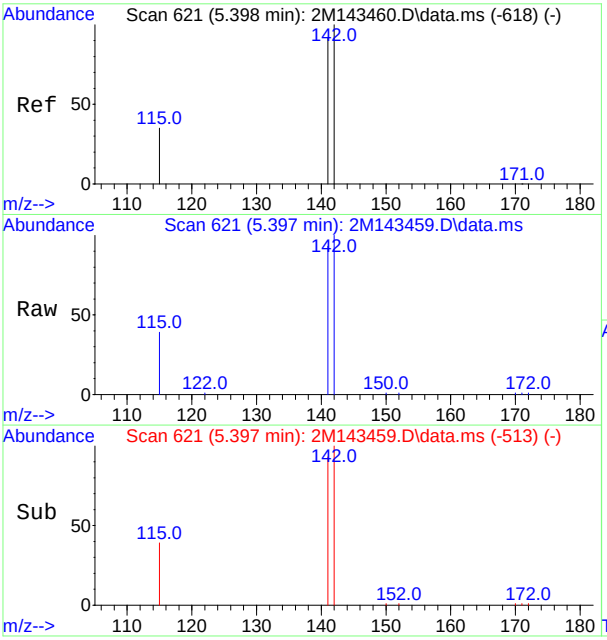
Tgt Ion:225 Resp: 2114

Ion	Ratio	Lower	Upper
225	100		
223	52.6	40.1	100.1
227	72.4	23.2	83.2



9.5.6

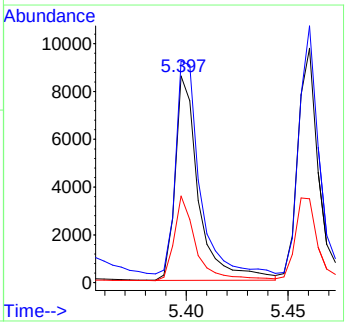
6

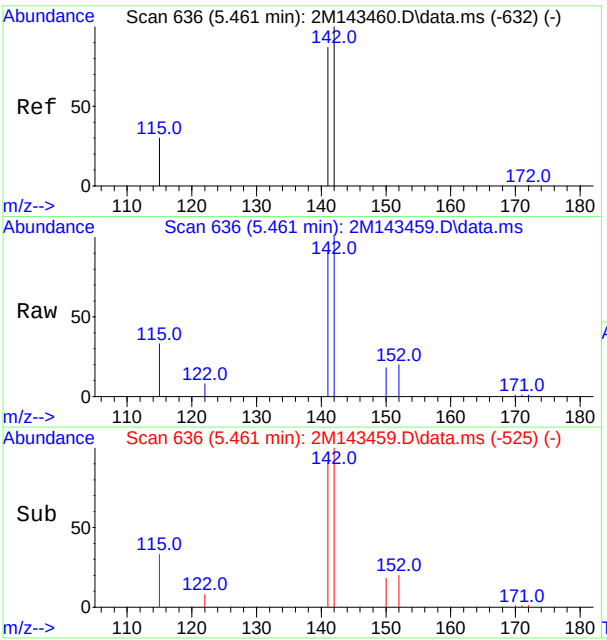


#9
2-Methylnaphthalene
Concen: 93.67 ppb
RT: 5.397 min Scan# 621
Delta R.T. -0.000 min
Lab File: 2M143459.D
Acq: 18 Sep 2025 6:37 pm

Tgt Ion:141 Resp: 6859

Ion	Ratio	Lower	Upper
141	100		
142	105.2	79.2	139.2
115	41.4	8.0	68.0

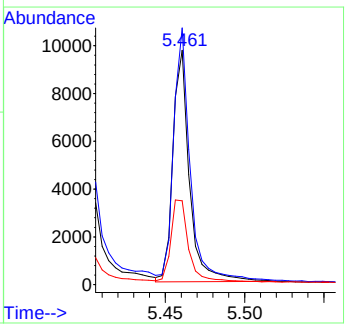


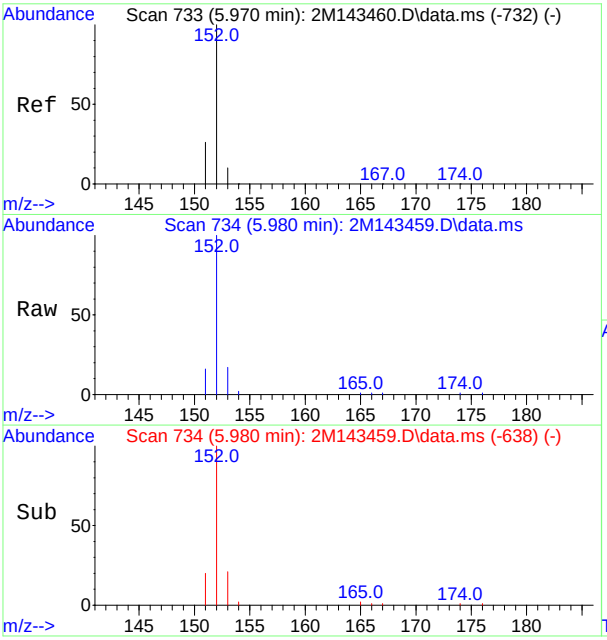


#10
1-Methylnaphthalene
Concen: 95.63 ppb
RT: 5.461 min Scan# 636
Delta R.T. -0.000 min
Lab File: 2M143459.D
Acq: 18 Sep 2025 6:37 pm

Tgt Ion:141 Resp: 7102

Ion	Ratio	Lower	Upper
141	100		
142	109.0	85.6	145.6
115	35.2	4.2	64.2

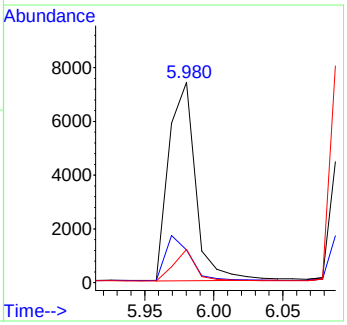


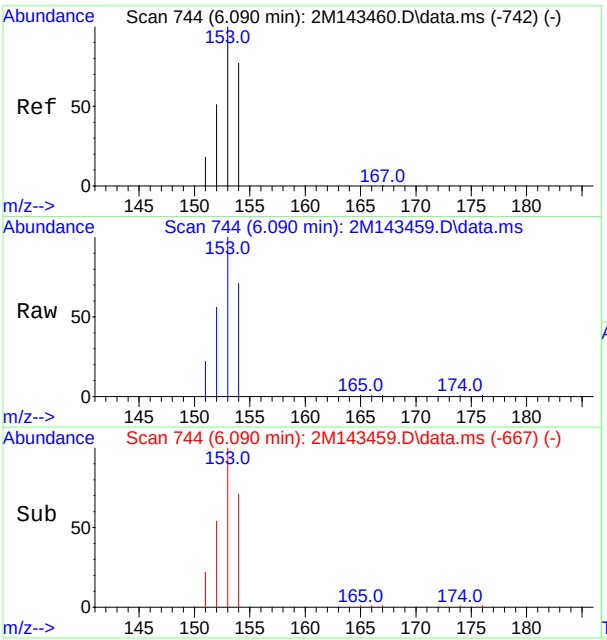


#14
Acenaphthylene
Concen: 93.17 ppb m
RT: 5.980 min Scan# 734
Delta R.T. 0.011 min
Lab File: 2M143459.D
Acq: 18 Sep 2025 6:37 pm

Tgt Ion:152 Resp: 10048

Ion	Ratio	Lower	Upper
152	100		
151	16.3	0.0	55.9
153	16.6	0.0	39.6

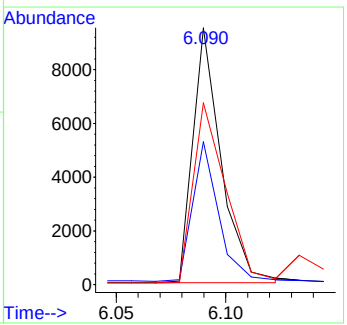




#15
Acenaphthene
Concen: 90.68 ppb
RT: 6.090 min Scan# 744
Delta R.T. -0.000 min
Lab File: 2M143459.D
Acq: 18 Sep 2025 6:37 pm

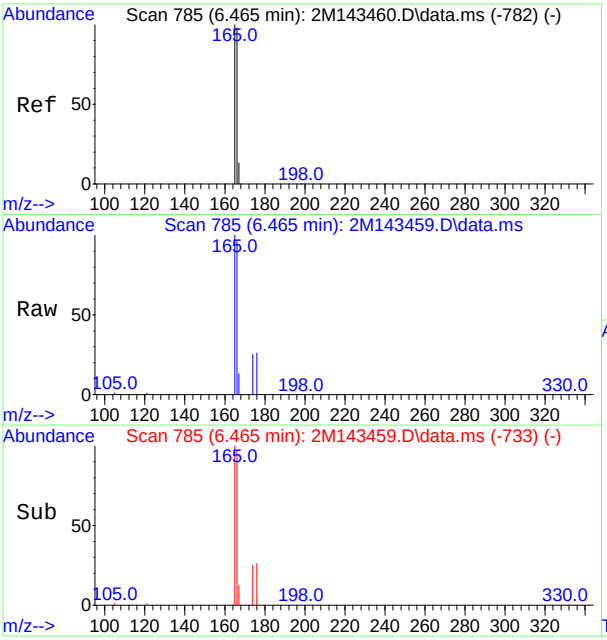
Tgt Ion:153 Resp: 8502

Ion	Ratio	Lower	Upper
153	100		
152	55.0	20.8	80.8
154	70.5	47.0	107.0



9.5.6

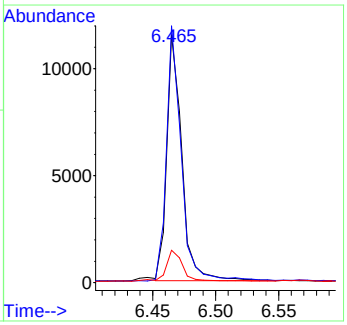
6

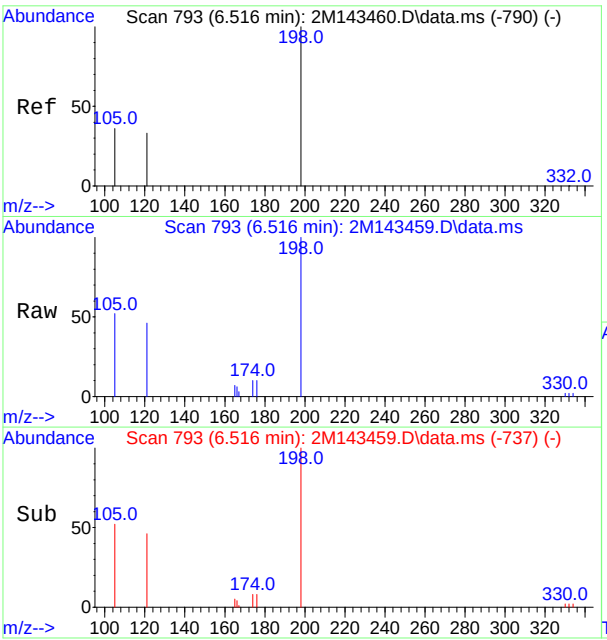


#16
Fluorene
Concen: 94.60 ppb
RT: 6.465 min Scan# 785
Delta R.T. -0.000 min
Lab File: 2M143459.D
Acq: 18 Sep 2025 6:37 pm

Tgt Ion:166 Resp: 9546

Ion	Ratio	Lower	Upper
166	100		
165	103.9	72.1	132.1
167	12.4	0.0	43.0

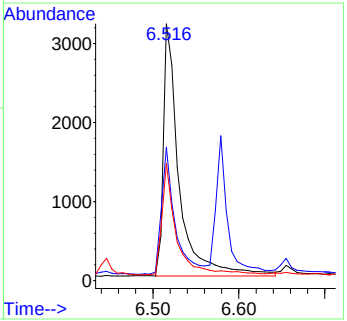


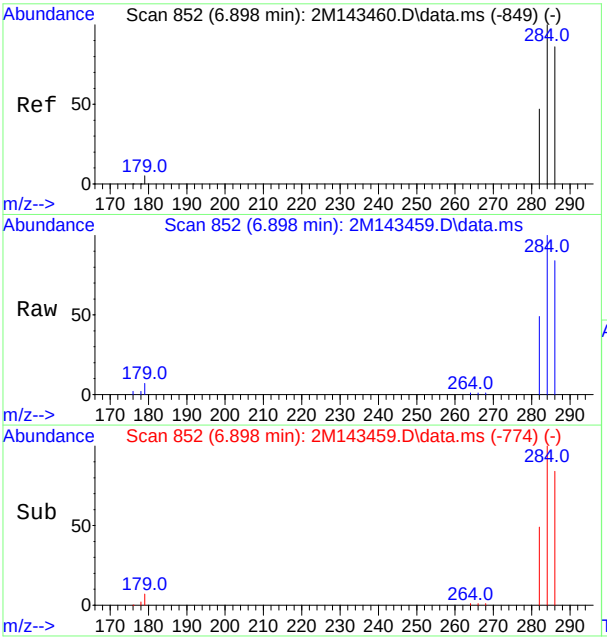


#17
4,6-dinitro-2-methylphenol
Concen: 448.08 ppb
RT: 6.516 min Scan# 793
Delta R.T. -0.000 min
Lab File: 2M143459.D
Acq: 18 Sep 2025 6:37 pm

Tgt Ion:198 Resp: 4098

Ion	Ratio	Lower	Upper
198	100		
105	49.4	14.9	54.9
121	43.9	12.5	52.5

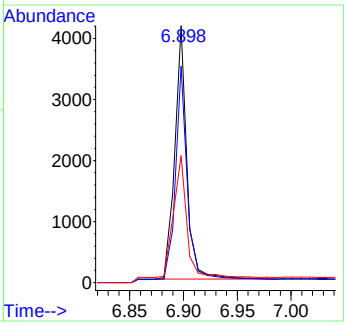


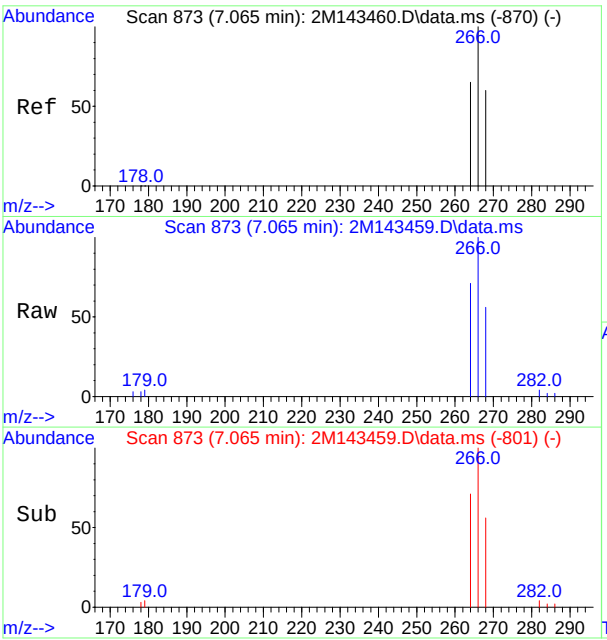


#20
Hexachlorobenzene
Concen: 95.32 ppb
RT: 6.898 min Scan# 852
Delta R.T. -0.000 min
Lab File: 2M143459.D
Acq: 18 Sep 2025 6:37 pm

Tgt Ion:284 Resp: 3233

Ion	Ratio	Lower	Upper
284	100		
286	84.2	55.8	115.8
282	48.1	17.4	77.4

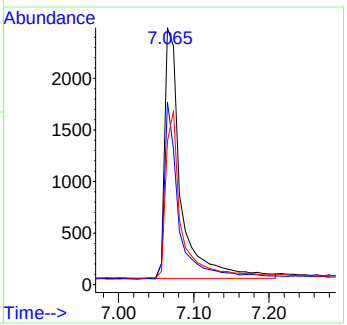


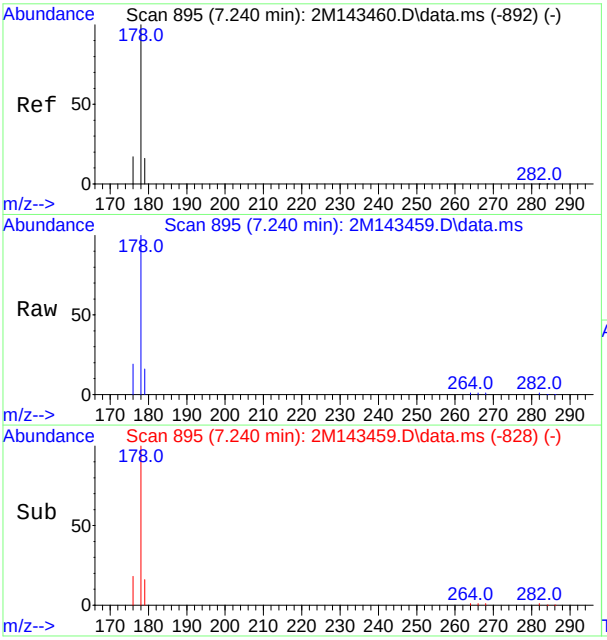


#21
Pentachlorophenol
Concen: 413.91 ppb
RT: 7.065 min Scan# 873
Delta R.T. -0.000 min
Lab File: 2M143459.D
Acq: 18 Sep 2025 6:37 pm

Tgt Ion:266 Resp: 3668

Ion	Ratio	Lower	Upper
266	100		
264	70.5	35.4	95.4
268	54.4	30.0	90.0

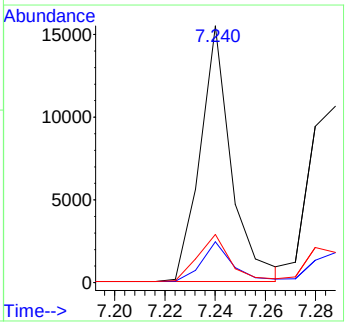


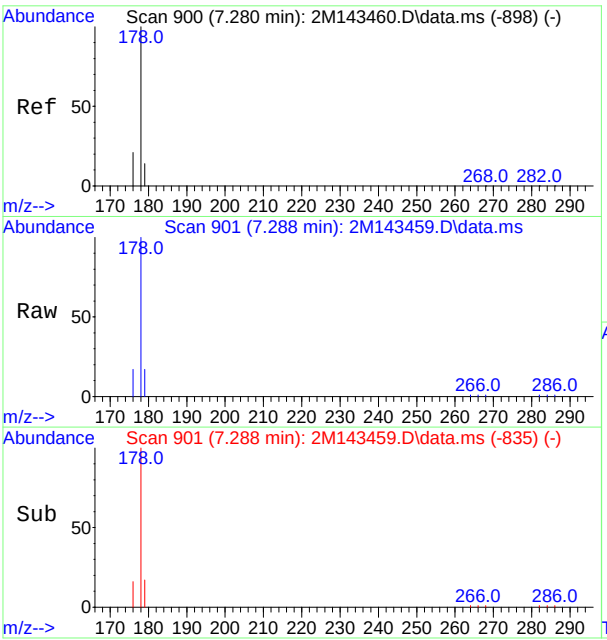


#22
Phenanthrene
Concen: 93.39 ppb
RT: 7.240 min Scan# 895
Delta R.T. -0.000 min
Lab File: 2M143459.D
Acq: 18 Sep 2025 6:37 pm

Tgt Ion:178 Resp: 13414

Ion	Ratio	Lower	Upper
178	100		
179	15.5	0.0	46.1
176	18.4	0.0	47.1

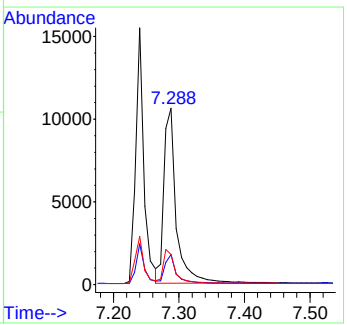


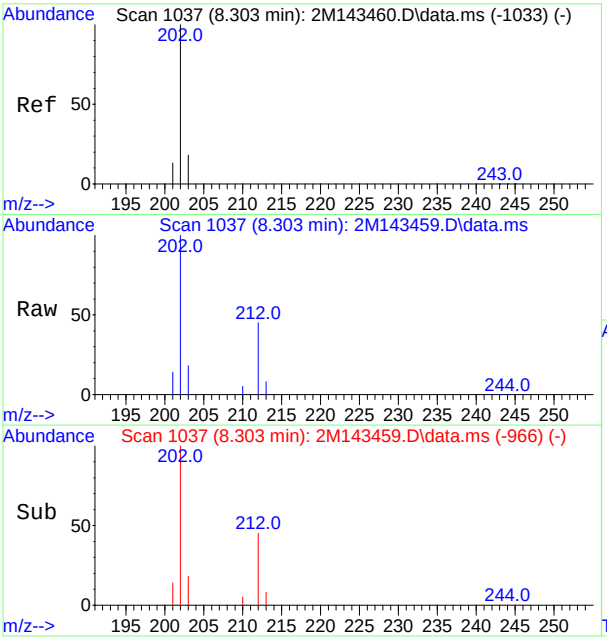


#23
Anthracene
Concen: 95.84 ppb
RT: 7.288 min Scan# 901
Delta R.T. 0.008 min
Lab File: 2M143459.D
Acq: 18 Sep 2025 6:37 pm

Tgt Ion:178 Resp: 13933

Ion	Ratio	Lower	Upper
178	100		
179	16.5	0.0	44.2
176	16.6	0.0	50.7

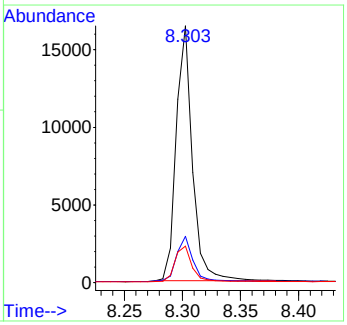


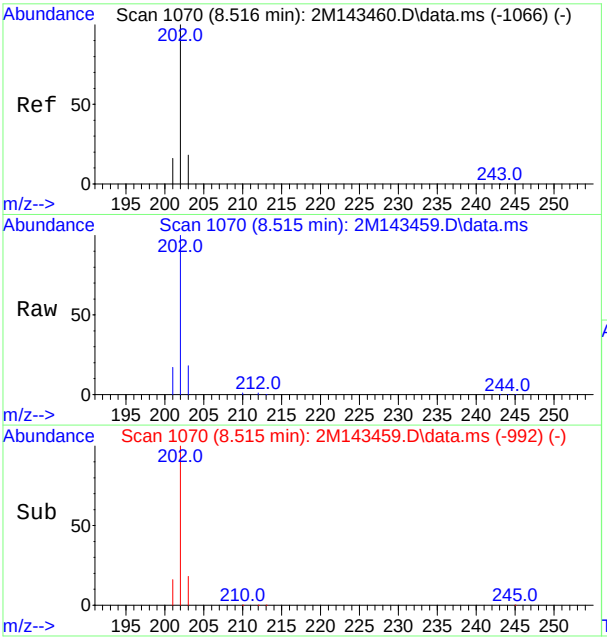


#24
Fluoranthene
Concen: 93.81 ppb
RT: 8.303 min Scan# 1037
Delta R.T. -0.000 min
Lab File: 2M143459.D
Acq: 18 Sep 2025 6:37 pm

Tgt Ion:202 Resp: 15916

Ion	Ratio	Lower	Upper
202	100		
203	17.5	0.0	47.9
201	13.9	0.0	43.2

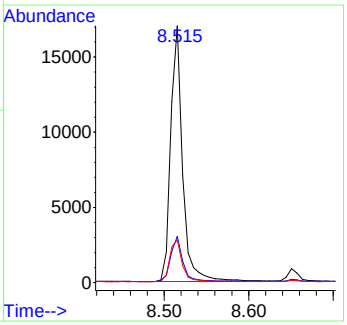


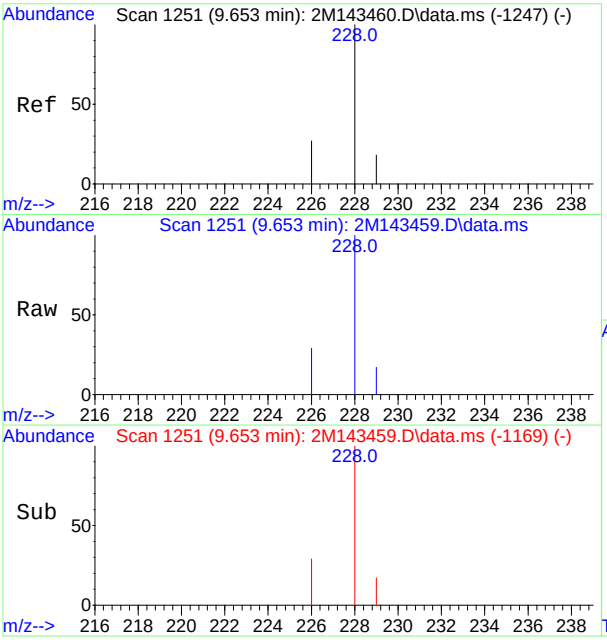


#25
Pyrene
Concen: 97.46 ppb
RT: 8.515 min Scan# 1070
Delta R.T. -0.000 min
Lab File: 2M143459.D
Acq: 18 Sep 2025 6:37 pm

Tgt Ion:202 Resp: 16650

Ion	Ratio	Lower	Upper
202	100		
203	17.7	0.0	48.3
201	16.3	0.0	46.1

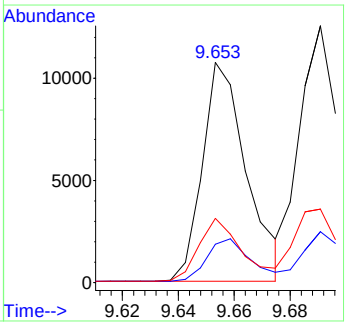


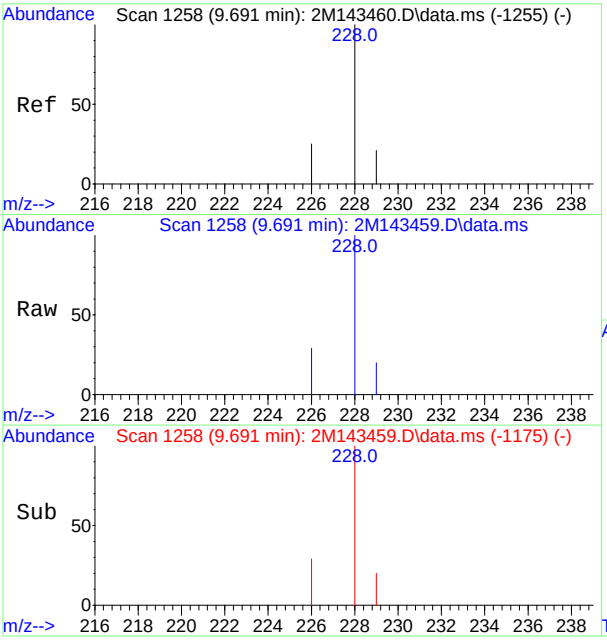


#27
Benzo[a]anthracene
Concen: 91.50 ppb
RT: 9.653 min Scan# 1251
Delta R.T. -0.000 min
Lab File: 2M143459.D
Acq: 18 Sep 2025 6:37 pm

Tgt Ion:228 Resp: 11766

Ion	Ratio	Lower	Upper
228	100		
229	16.5	0.0	48.4
226	28.5	0.0	56.5

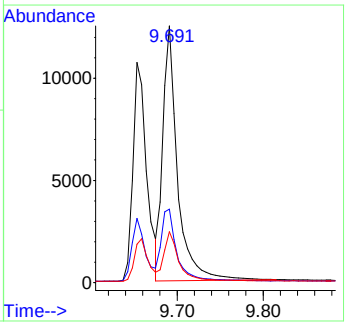


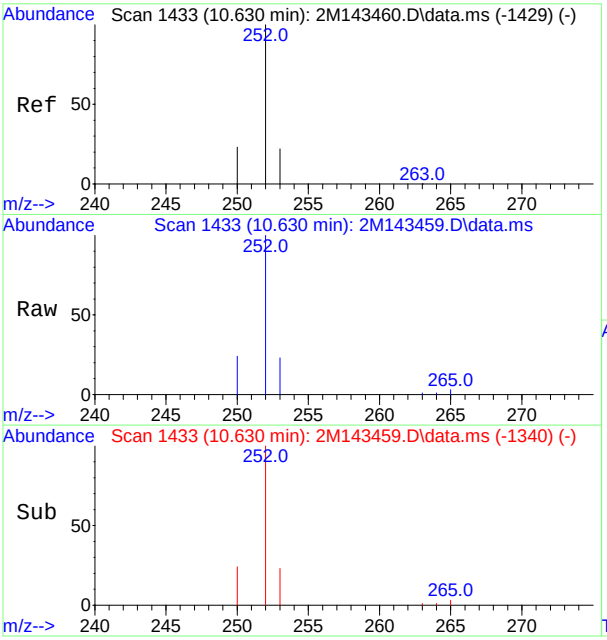


#28
Chrysene
Concen: 95.03 ppb
RT: 9.691 min Scan# 1258
Delta R.T. -0.000 min
Lab File: 2M143459.D
Acq: 18 Sep 2025 6:37 pm

Tgt Ion:228 Resp: 14839

Ion	Ratio	Lower	Upper
228	100		
226	28.0	0.0	55.9
229	19.2	0.0	50.5

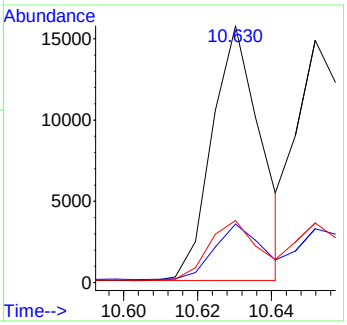


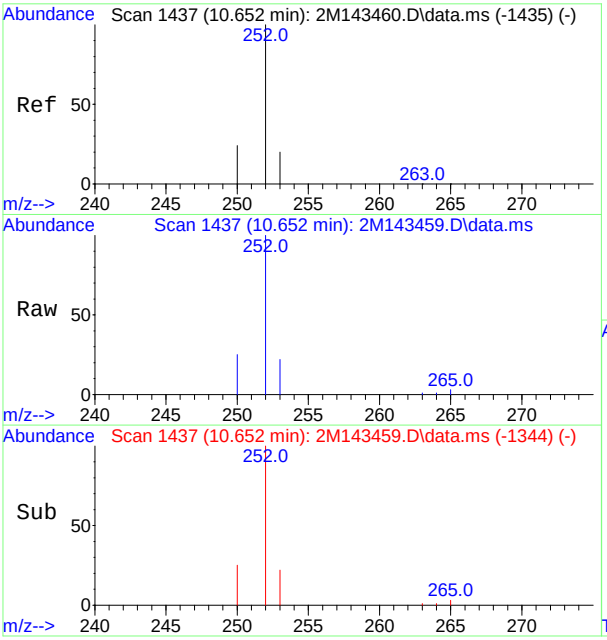


#30
Benzo[b]fluoranthene
Concen: 95.58 ppb
RT: 10.630 min Scan# 1433
Delta R.T. -0.000 min
Lab File: 2M143459.D
Acq: 18 Sep 2025 6:37 pm

Tgt Ion:252 Resp: 14302

Ion	Ratio	Lower	Upper
252	100		
253	21.6	0.0	52.3
250	23.4	0.0	52.9

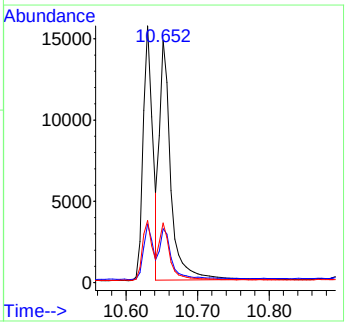




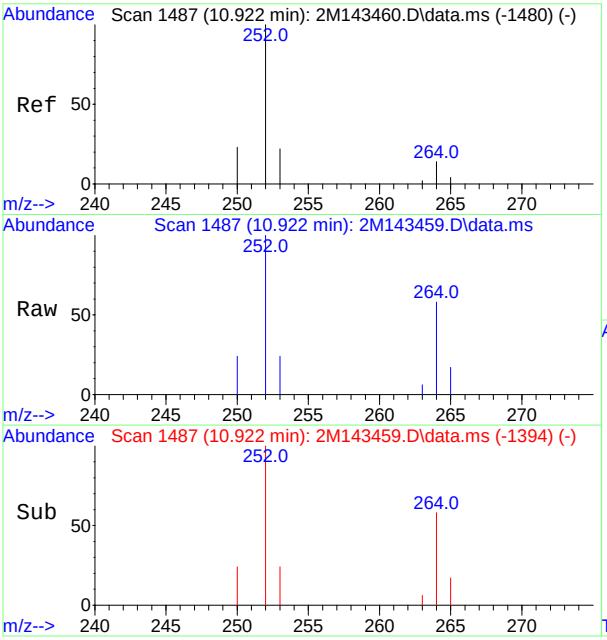
#31
Benzo[k]fluoranthene
Concen: 95.03 ppb
RT: 10.652 min Scan# 1437
Delta R.T. -0.000 min
Lab File: 2M143459.D
Acq: 18 Sep 2025 6:37 pm

Tgt Ion:252 Resp: 16420

Ion	Ratio	Lower	Upper
252	100		
253	20.6	0.0	51.6
250	23.8	0.0	54.5



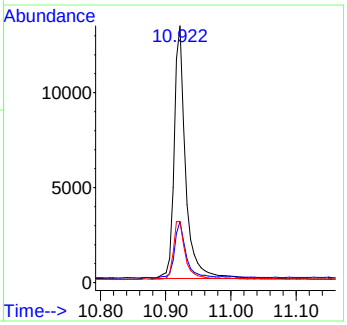
9.5.6

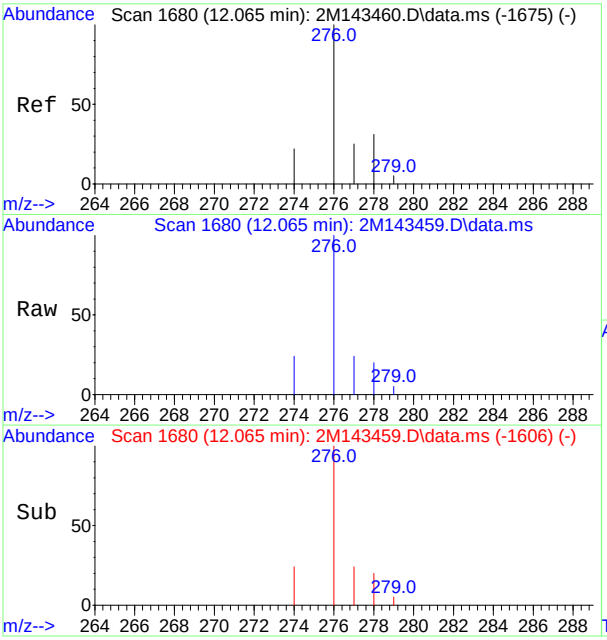


#32
Benzo[a]pyrene
Concen: 99.33 ppb
RT: 10.922 min Scan# 1487
Delta R.T. -0.000 min
Lab File: 2M143459.D
Acq: 18 Sep 2025 6:37 pm

Tgt Ion:252 Resp: 16375

Ion	Ratio	Lower	Upper
252	100		
253	22.1	0.0	52.4
250	22.8	0.0	53.4

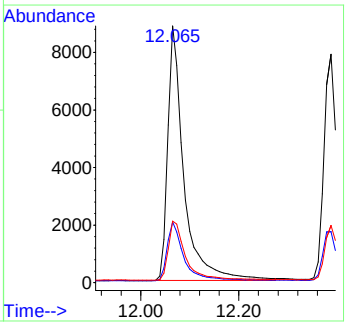


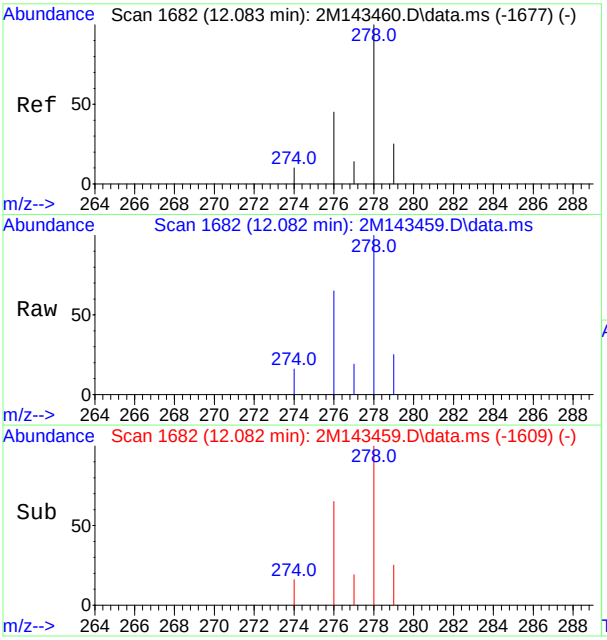


#33
Indeno[1,2,3-cd]pyrene
Concen: 91.44 ppb
RT: 12.065 min Scan# 1680
Delta R.T. -0.000 min
Lab File: 2M143459.D
Acq: 18 Sep 2025 6:37 pm

Tgt Ion:276 Resp: 20319

Ion	Ratio	Lower	Upper
276	100		
274	23.0	0.0	52.2
277	23.2	0.0	54.9

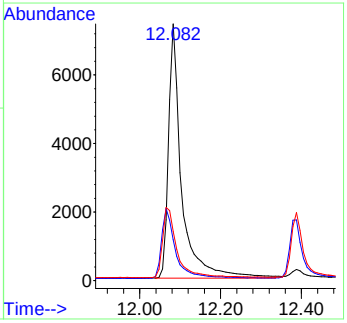


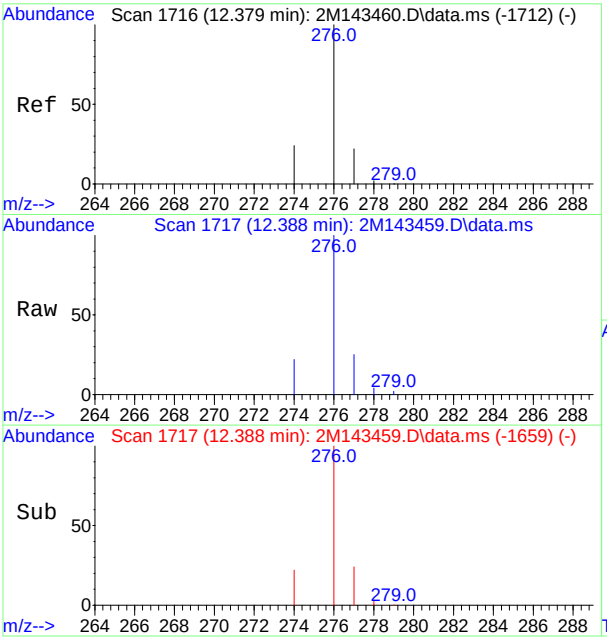


#34
Dibenz[a,h]anthracene
Concen: 93.06 ppb
RT: 12.082 min Scan# 1682
Delta R.T. -0.000 min
Lab File: 2M143459.D
Acq: 18 Sep 2025 6:37 pm

Tgt Ion:278 Resp: 16820

Ion	Ratio	Lower	Upper
278	100		
274	14.8	0.0	40.7
277	18.1	0.0	44.0

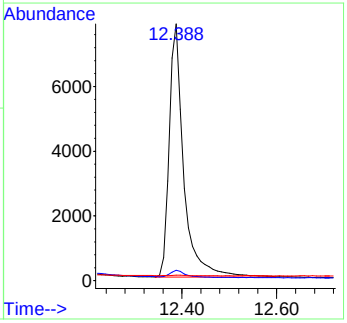




#35
Benzo[g,h,i]perylene
Concen: 91.67 ppb
RT: 12.388 min Scan# 1717
Delta R.T. 0.009 min
Lab File: 2M143459.D
Acq: 18 Sep 2025 6:37 pm

Tgt Ion:276 Resp: 16607

Ion	Ratio	Lower	Upper
276	100		
278	2.7	0.0	32.2
279	0.3	0.0	30.1



Manual Integration Approval Summary

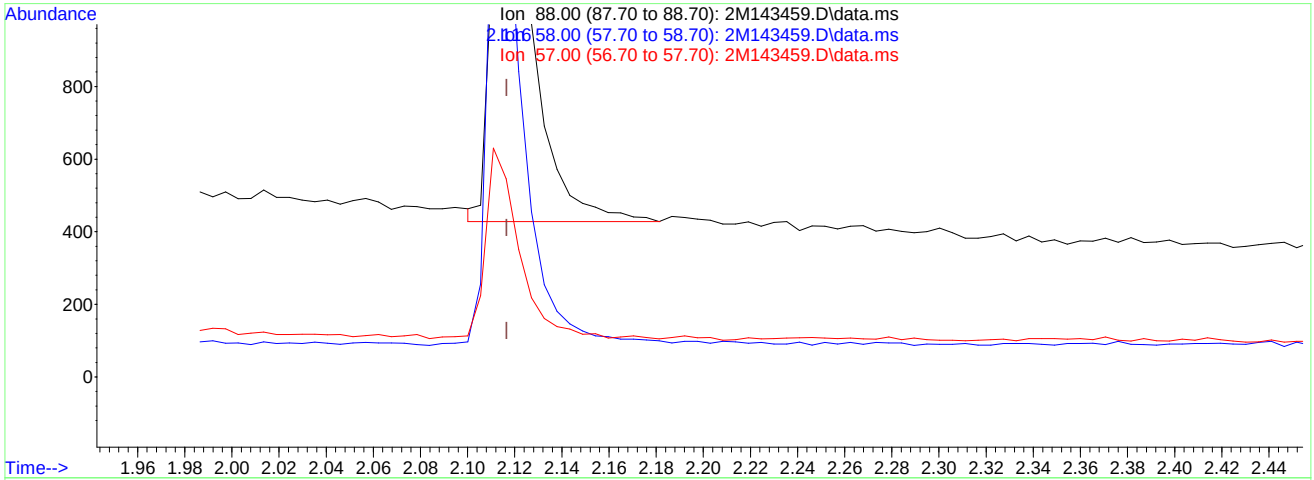
Sample Number: E2M6496-IC6496
Lab FileID: 2M143459.D
Injection Time: 09/18/25 18:37
Method: SW846 8270E BY SIM
Analyst approved: 09/19/25 10:52 Ying Li
Supervisor approved: 09/19/25 11:26 Jon Kreigmor Mamanta

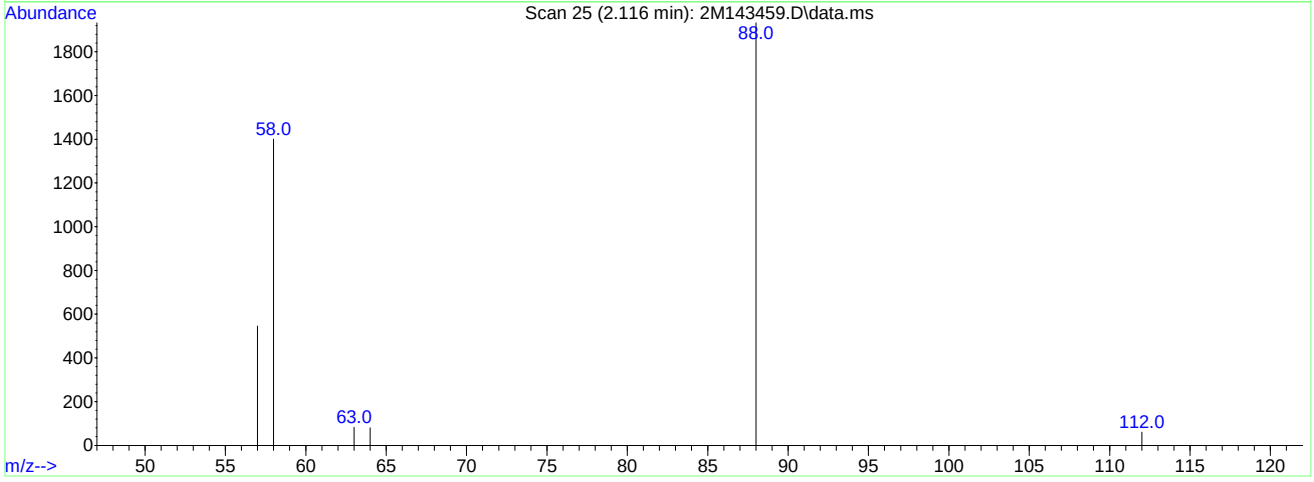
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,4-Dioxane	123-91-1		2.12	Poor instrument integration
Acenaphthylene	208-96-8		5.98	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143459.D
Acq On : 18 Sep 2025 6:37 pm
Operator : rocquans
Sample : ic6496-0.1
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 19 10:02:43 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 09:56:26 2025
Response via : Initial Calibration





TIC: 2M143459.D\data.ms

(2) 1,4-Dioxane (t)

2.116min (-0.000) 102.28ppb

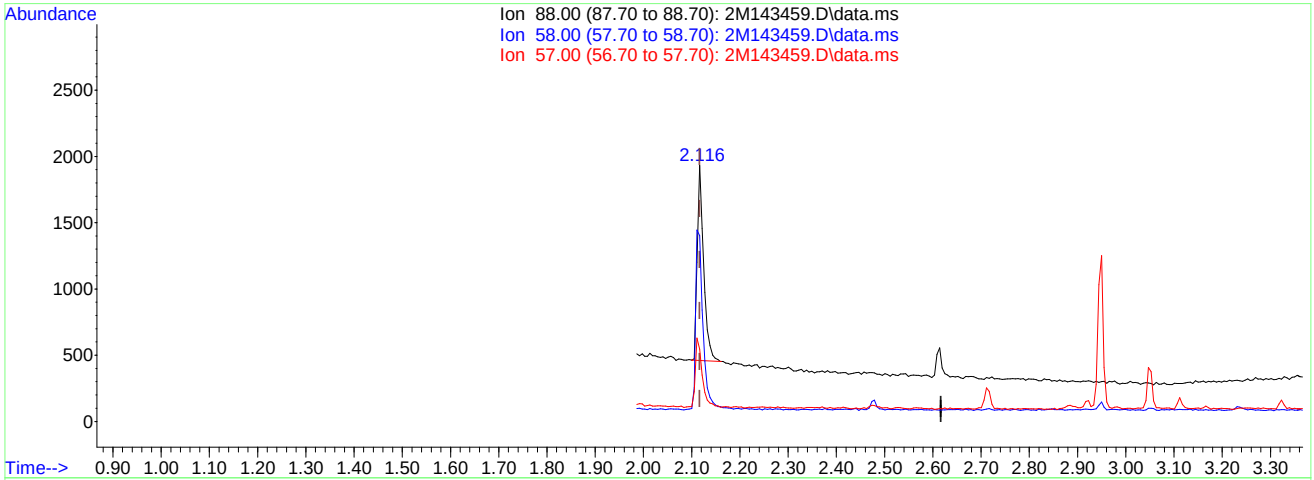
response 1475

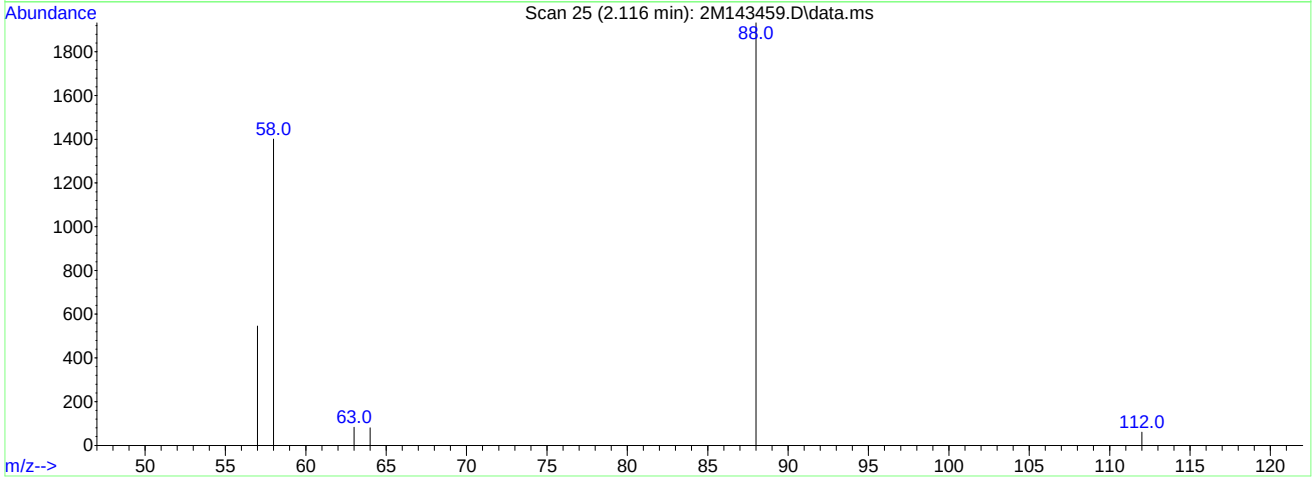
Ion	Exp%	Act%
88.00	100	100
58.00	86.80	87.56
57.00	28.90	29.38
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143459.D
Acq On : 18 Sep 2025 6:37 pm
Operator : rocquans
Sample : ic6496-0.1
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 19 10:02:43 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 09:56:26 2025
Response via : Initial Calibration





TIC: 2M143459.D\data.ms

(2) 1,4-Dioxane (t)

2.116min (-0.000) 93.89ppb m

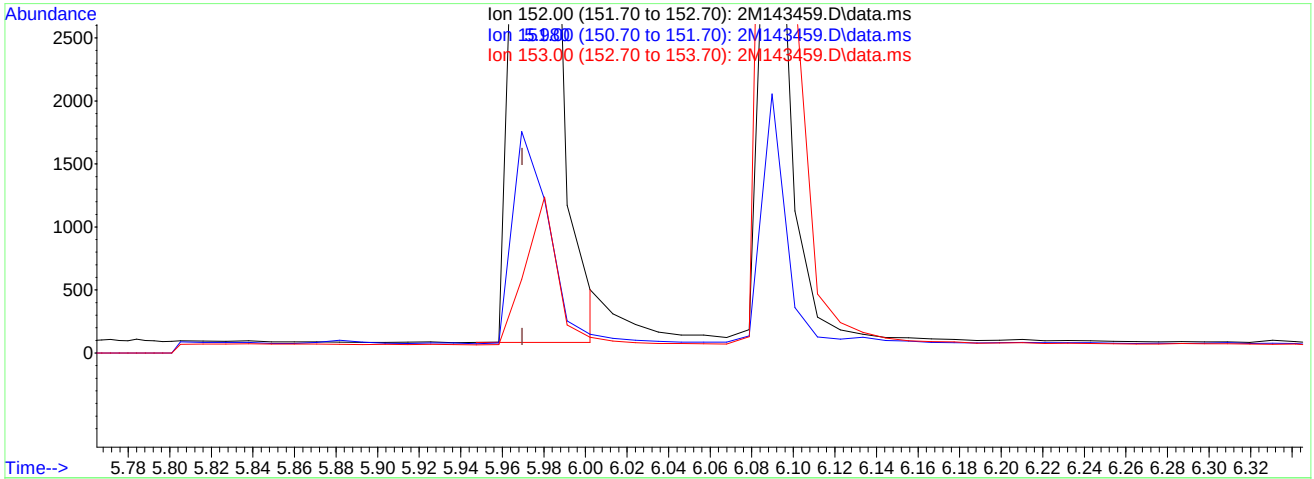
response 1354

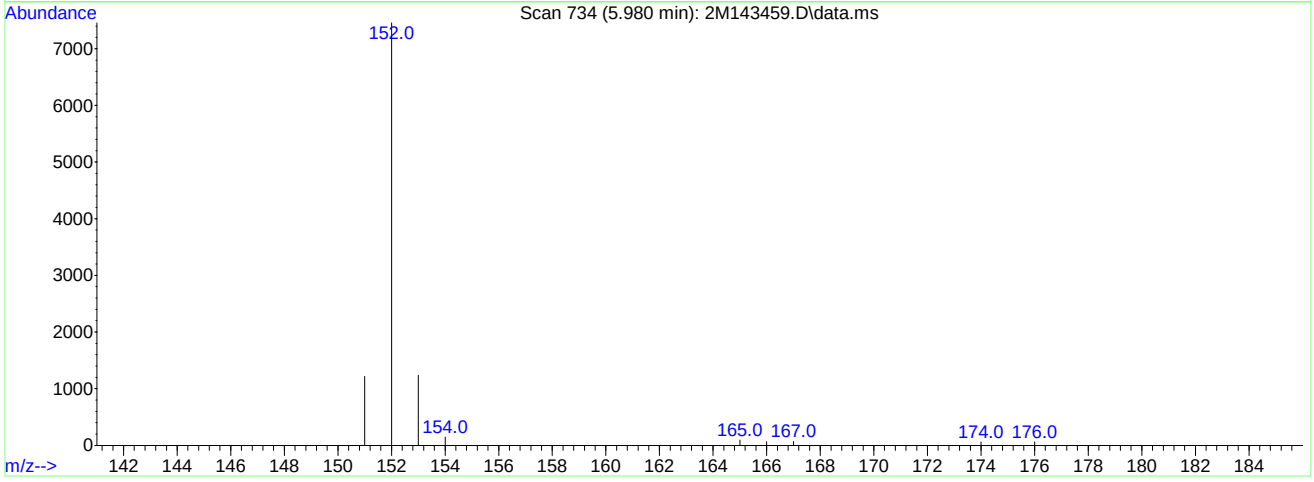
Ion	Exp%	Act%
88.00	100	100
58.00	86.80	72.48
57.00	28.90	28.25
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143459.D
Acq On : 18 Sep 2025 6:37 pm
Operator : rocquans
Sample : ic6496-0.1
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 19 10:02:43 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 09:56:26 2025
Response via : Initial Calibration





TIC: 2M143459.D\data.ms

(14) Acenaphthylene (t)

5.980min (+0.011) 89.72ppb

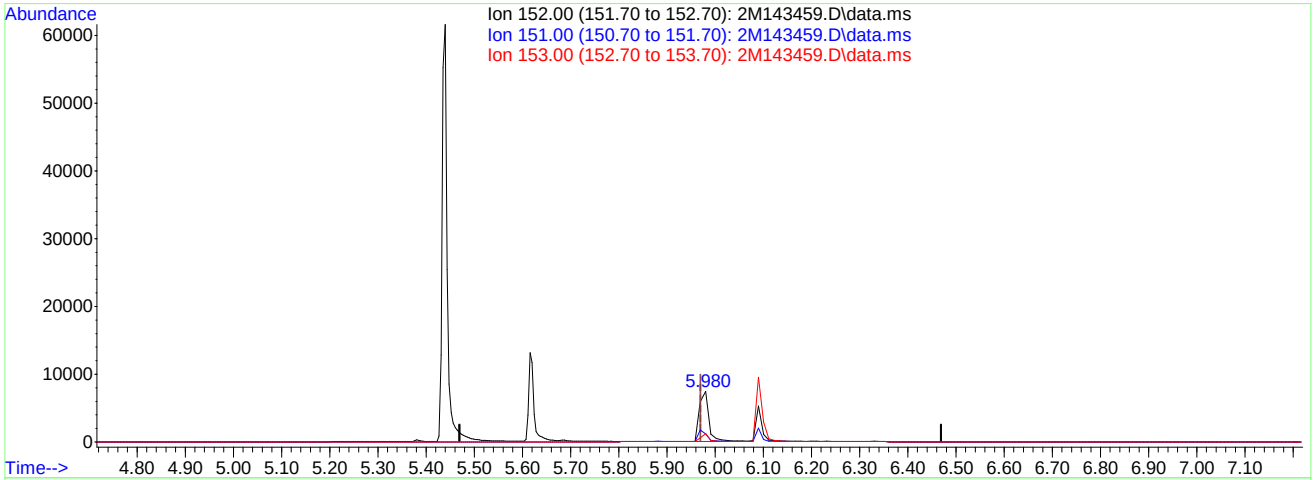
response 9676

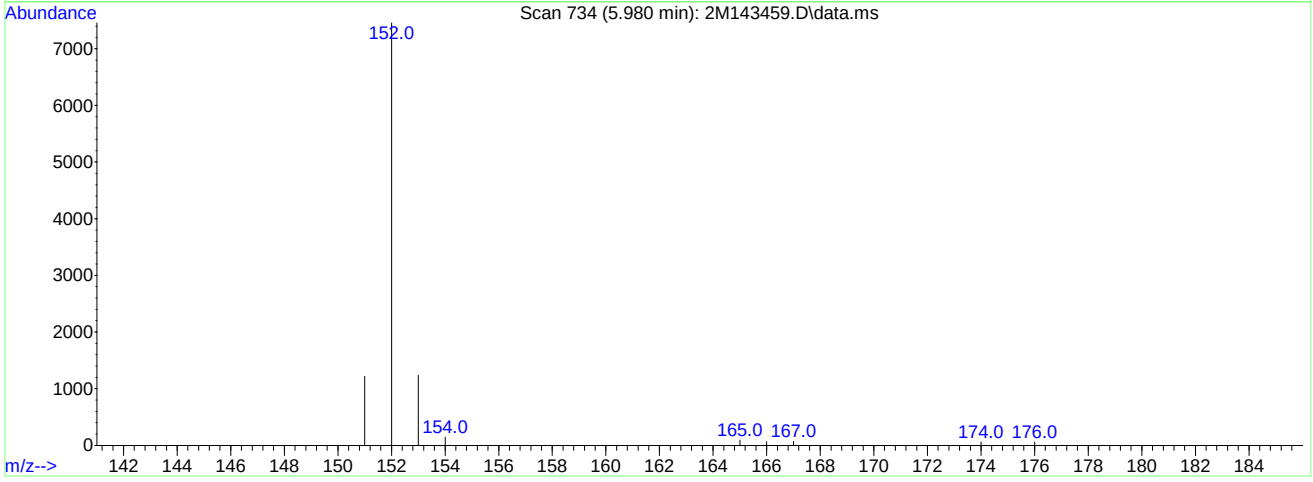
Ion	Exp%	Act%
152.00	100	100
151.00	25.90	15.45
153.00	9.60	15.93
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143459.D
Acq On : 18 Sep 2025 6:37 pm
Operator : rocquans
Sample : ic6496-0.1
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 19 10:02:43 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 09:56:26 2025
Response via : Initial Calibration





TIC: 2M143459.D\data.ms

(14) Acenaphthylene (t)

5.980min (+0.011) 93.17ppb m

response 10048

Ion	Exp%	Act%
152.00	100	100
151.00	25.90	16.33
153.00	9.60	16.59
0.00	0.00	0.00

2M143460.D

Manual Integrations APPROVED (compounds with "m" flag)

Jon Kreigmor Mamanta 09/19/25 11:26

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143460.D
Acq On : 18 Sep 2025 6:58 pm
Operator : rocquans
Sample : icc6496-0.2
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 19 10:05:59 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 09:56:26 2025
Response via : Initial Calibration

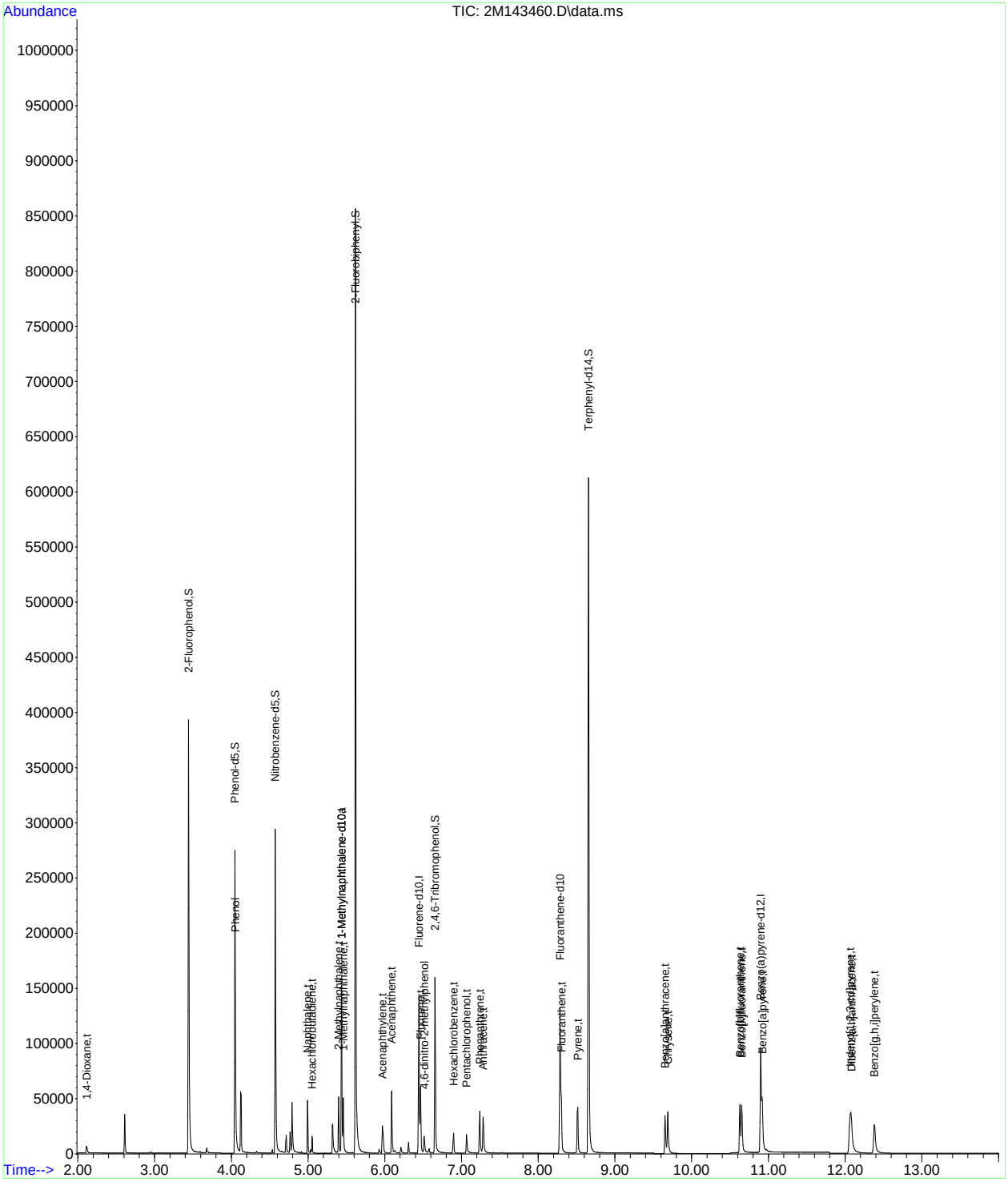
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	5.436	150	40799	800.00	ppb	0.00
12) Fluorene-d10	6.446	176	56735	800.00	ppb	0.00
19) Fluoranthene-d10	8.283	212	94669	800.00	ppb	0.00
29) Benzo(a)pyrene-d12	10.901	264	86818	800.00	ppb	0.00
36) 1-Methylnaphthalene-d10a	5.436	150	40799	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	3.442	112	132135	4000.00	ppb	0.00
Spiked Amount 10000.000			Recovery = 40.00%			
4) Phenol-d5	4.047	99	150472	4000.00	ppb	0.00
Spiked Amount 10000.000			Recovery = 40.00%			
6) Nitrobenzene-d5	4.573	82	140855	4000.00	ppb	0.00
Spiked Amount 10000.000			Recovery = 40.00%			
13) 2-Fluorobiphenyl	5.616	172	368300	4000.00	ppb	0.00
Spiked Amount 10000.000			Recovery = 40.00%			
18) 2,4,6-Tribromophenol	6.655	330	51190	4000.00	ppb	0.00
Spiked Amount 10000.000			Recovery = 40.00%			
26) Terphenyl-d14	8.657	244	401879	4000.00	ppb	0.00
Spiked Amount 10000.000			Recovery = 40.00%			
Target Compounds						Qvalue
2) 1,4-Dioxane	2.117	88	2780m	196.05	ppb	
5) Phenol	4.053	94	43954	1000.00	ppb	100
7) Naphthalene	4.993	128	23651	200.00	ppb	100
8) Hexachlorobutadiene	5.052	225	4301m	201.50	ppb	
9) 2-Methylnaphthalene	5.398	141	14399	200.00	ppb	100
10) 1-Methylnaphthalene	5.461	141	14605	200.00	ppb	100
14) Acenaphthylene	5.970	152	21402m	203.85	ppb	
15) Acenaphthene	6.090	153	18254	200.00	ppb	100
16) Fluorene	6.465	166	19647	200.00	ppb	100
17) 4,6-dinitro-2-methylph...	6.516	198	8903	1000.00	ppb	100
20) Hexachlorobenzene	6.898	284	6439	200.00	ppb	100
21) Pentachlorophenol	7.065	266	8412	1000.00	ppb	100
22) Phenanthrene	7.240	178	27269	200.00	ppb	100
23) Anthracene	7.280	178	27600	200.00	ppb	100
24) Fluoranthene	8.303	202	32211	200.00	ppb	100
25) Pyrene	8.516	202	32433	200.00	ppb	100
27) Benzo[a]anthracene	9.653	228	24412	200.00	ppb	100
28) Chrysene	9.691	228	29646	200.00	ppb	100
30) Benzo[b]fluoranthene	10.630	252	28177	200.00	ppb	100
31) Benzo[k]fluoranthene	10.652	252	31182	191.67	ppb	99
32) Benzo[a]pyrene	10.922	252	31046	200.00	ppb	100
33) Indeno[1,2,3-cd]pyrene	12.065	276	41845	200.00	ppb	100
34) Dibenz[a,h]anthracene	12.083	278	34035	200.00	ppb	100
35) Benzo[g,h,i]perylene	12.379	276	34115	200.00	ppb	100

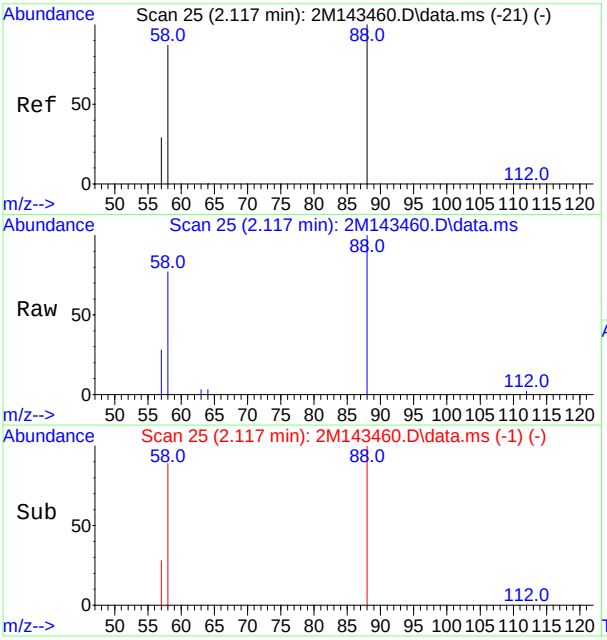
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143460.D
Acq On : 18 Sep 2025 6:58 pm
Operator : rocquans
Sample : icc6496-0.2
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 19 10:05:59 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 09:56:26 2025
Response via : Initial Calibration

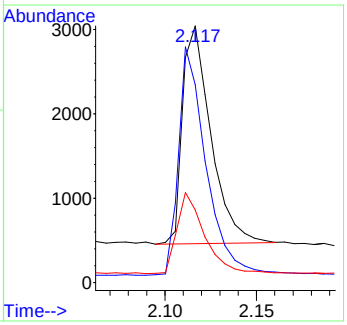


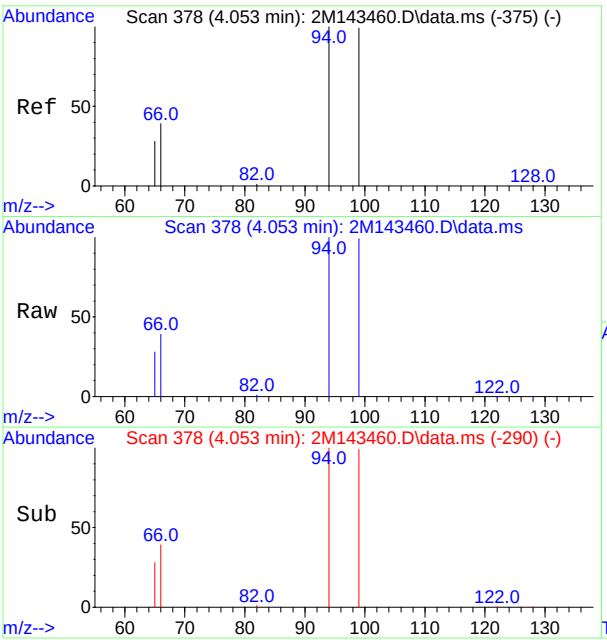


#2
1,4-Dioxane
Concen: 196.05 ppb m
RT: 2.117 min Scan# 25
Delta R.T. 0.000 min
Lab File: 2M143460.D
Acq: 18 Sep 2025 6:58 pm

Tgt Ion: 88 Resp: 2780

Ion	Ratio	Lower	Upper
88	100		
58	77.0	66.8	106.8
57	28.3	8.9	48.9

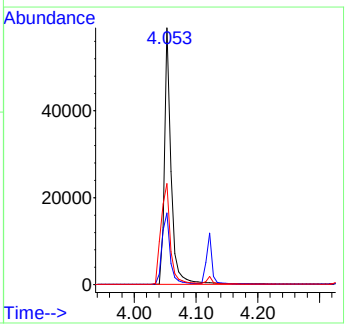


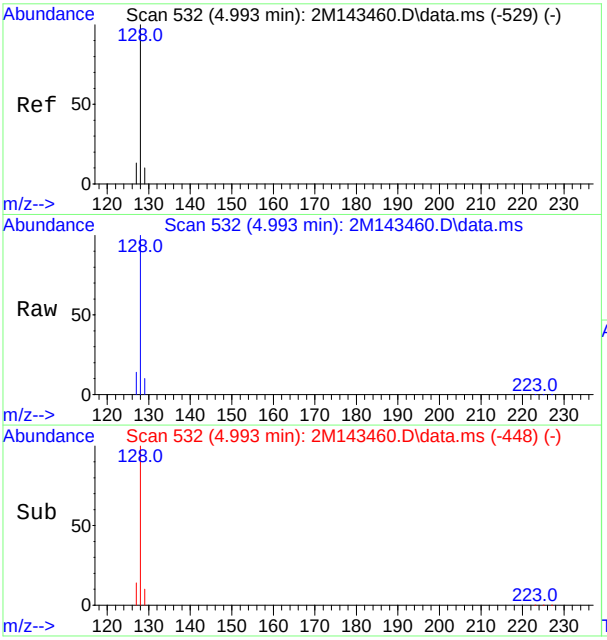


#5
Phenol
Concen: 1000.00 ppb
RT: 4.053 min Scan# 378
Delta R.T. 0.000 min
Lab File: 2M143460.D
Acq: 18 Sep 2025 6:58 pm

Tgt Ion: 94 Resp: 43954

Ion	Ratio	Lower	Upper
94	100		
65	27.7	22.2	33.2
66	39.0	31.2	46.8

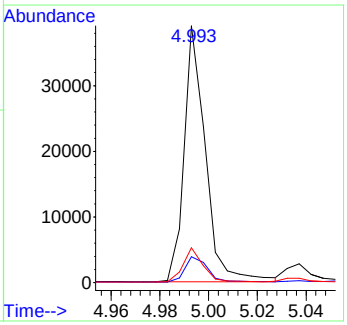


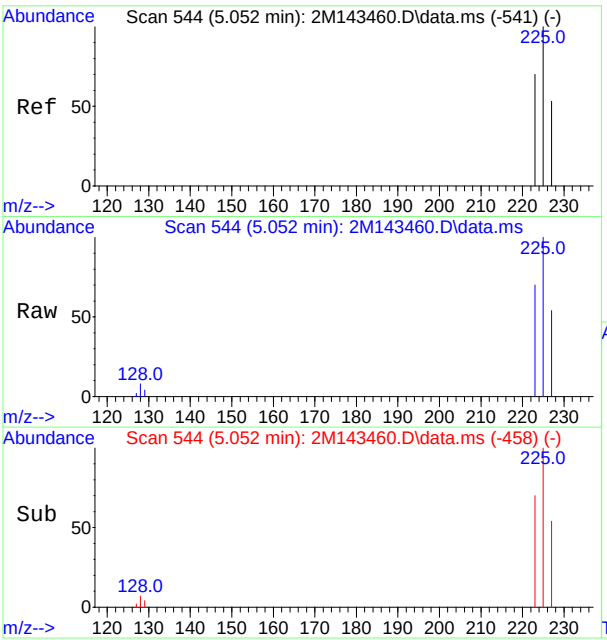


#7
Naphthalene
Concen: 200.00 ppb
RT: 4.993 min Scan# 532
Delta R.T. 0.000 min
Lab File: 2M143460.D
Acq: 18 Sep 2025 6:58 pm

Tgt Ion:128 Resp: 23651

Ion	Ratio	Lower	Upper
128	100		
129	10.0	0.0	40.0
127	13.4	0.0	43.4

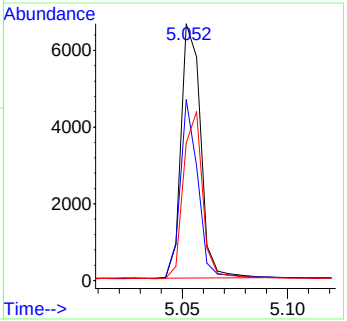


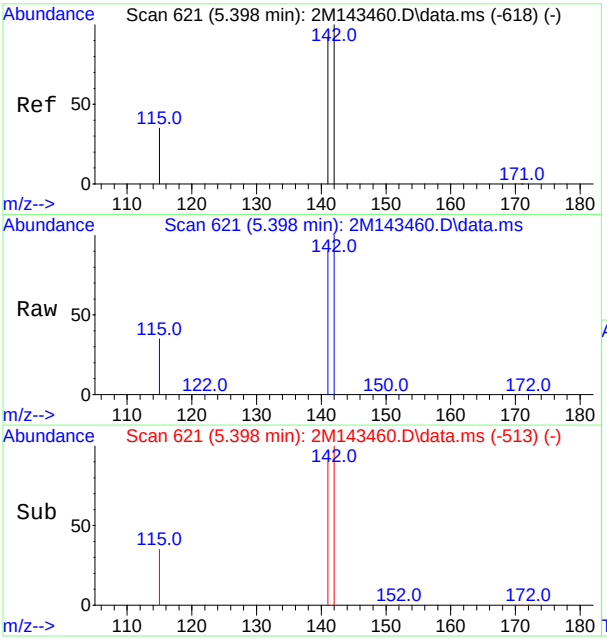


#8
Hexachlorobutadiene
Concen: 201.50 ppb m
RT: 5.052 min Scan# 544
Delta R.T. 0.000 min
Lab File: 2M143460.D
Acq: 18 Sep 2025 6:58 pm

Tgt Ion:225 Resp: 4301

Ion	Ratio	Lower	Upper
225	100		
223	70.4	40.1	100.1
227	53.7	23.2	83.2

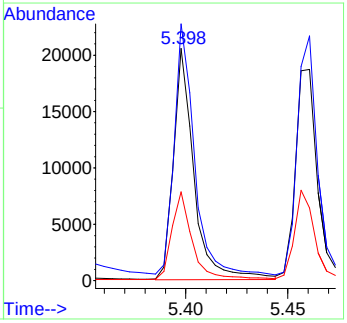


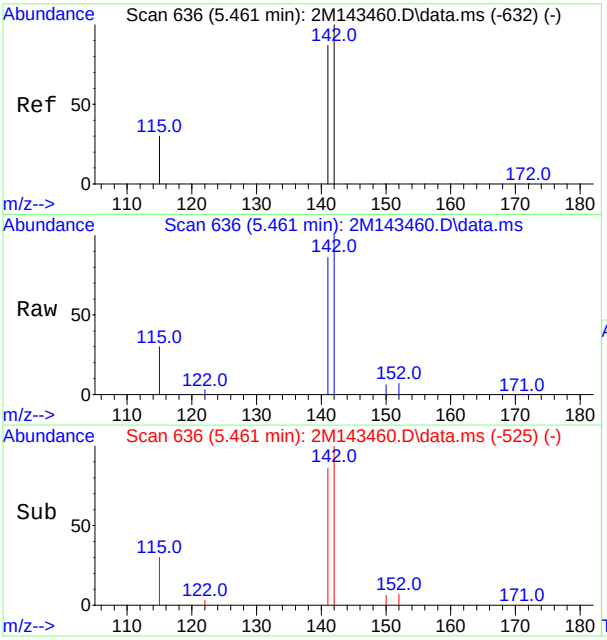


#9
2-Methylnaphthalene
Concen: 200.00 ppb
RT: 5.398 min Scan# 621
Delta R.T. 0.000 min
Lab File: 2M143460.D
Acq: 18 Sep 2025 6:58 pm

Tgt Ion:141 Resp: 14399

Ion	Ratio	Lower	Upper
141	100		
142	109.2	79.2	139.2
115	38.0	8.0	68.0

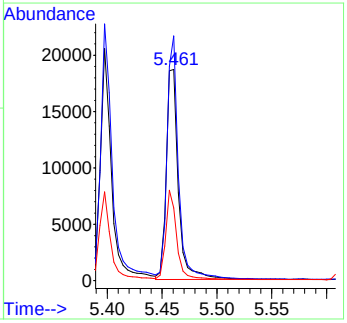


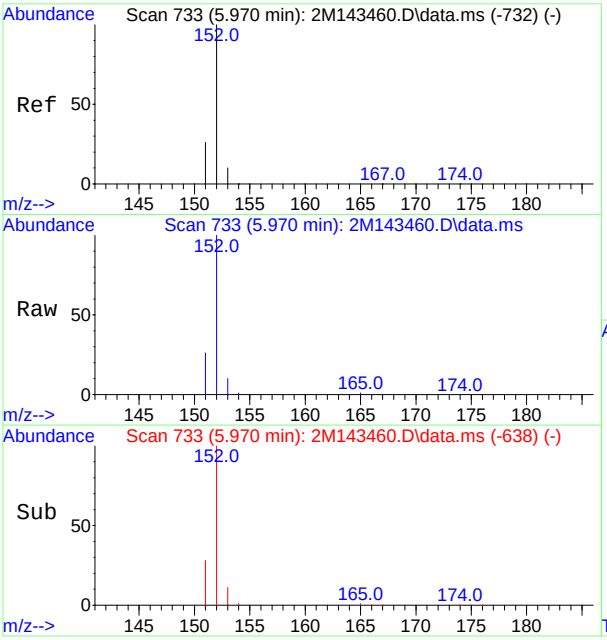


#10
1-Methylnaphthalene
Concen: 200.00 ppb
RT: 5.461 min Scan# 636
Delta R.T. 0.000 min
Lab File: 2M143460.D
Acq: 18 Sep 2025 6:58 pm

Tgt Ion:141 Resp: 14605

Ion	Ratio	Lower	Upper
141	100		
142	115.6	85.6	145.6
115	34.2	4.2	64.2

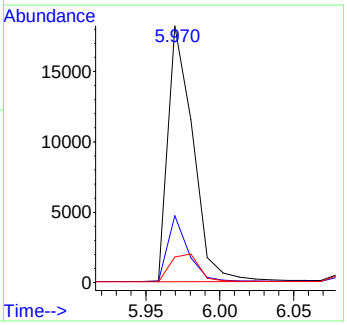


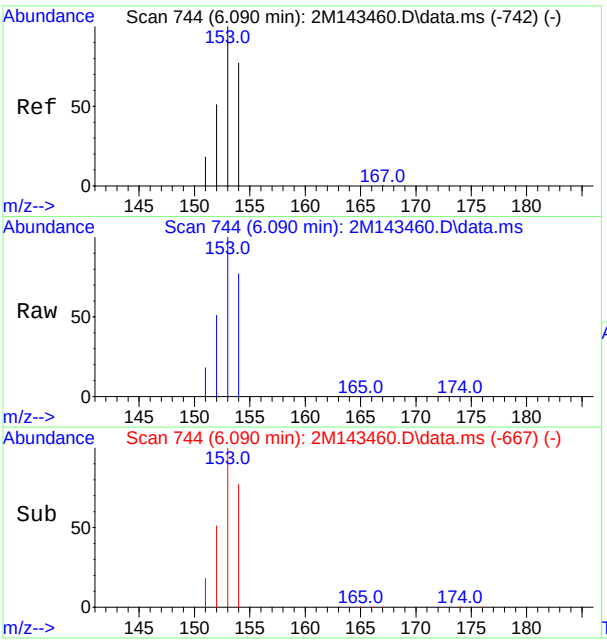


#14
Acenaphthylene
Concen: 203.85 ppb m
RT: 5.970 min Scan# 733
Delta R.T. 0.000 min
Lab File: 2M143460.D
Acq: 18 Sep 2025 6:58 pm

Tgt Ion:152 Resp: 21402

Ion	Ratio	Lower	Upper
152	100		
151	26.1	0.0	55.9
153	10.0	0.0	39.6

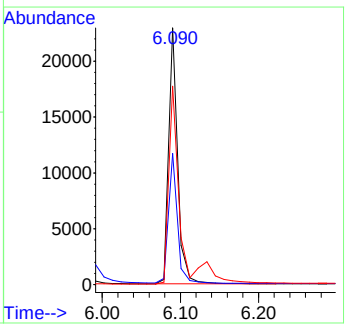


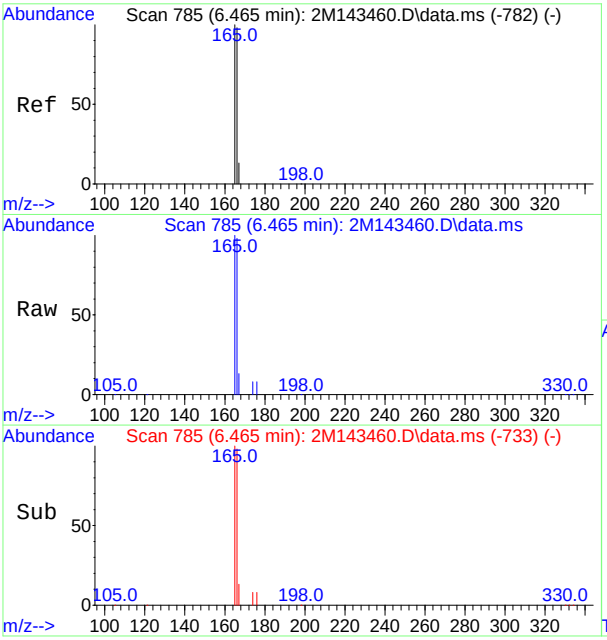


#15
Acenaphthene
Concen: 200.00 ppb
RT: 6.090 min Scan# 744
Delta R.T. 0.000 min
Lab File: 2M143460.D
Acq: 18 Sep 2025 6:58 pm

Tgt Ion:153 Resp: 18254

Ion	Ratio	Lower	Upper
153	100		
152	50.8	20.8	80.8
154	77.0	47.0	107.0

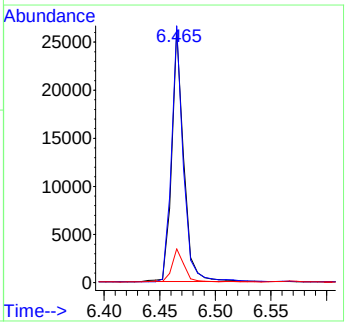


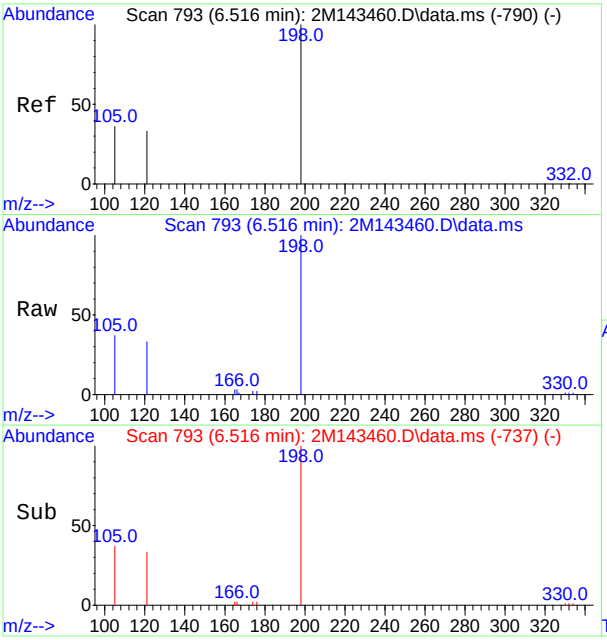


#16
Fluorene
Concen: 200.00 ppb
RT: 6.465 min Scan# 785
Delta R.T. 0.000 min
Lab File: 2M143460.D
Acq: 18 Sep 2025 6:58 pm

Tgt Ion:166 Resp: 19647

Ion	Ratio	Lower	Upper
166	100		
165	102.1	72.1	132.1
167	13.0	0.0	43.0

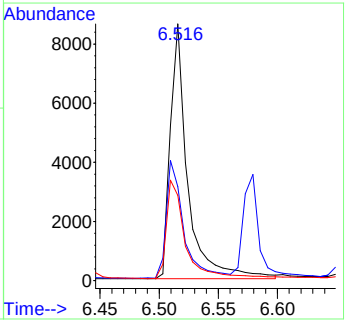


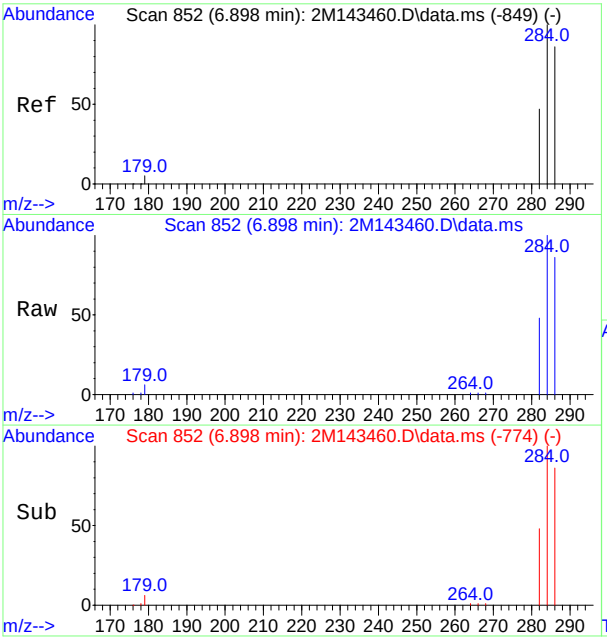


#17
4,6-dinitro-2-methylphenol
Concen: 1000.00 ppb
RT: 6.516 min Scan# 793
Delta R.T. 0.000 min
Lab File: 2M143460.D
Acq: 18 Sep 2025 6:58 pm

Tgt Ion:198 Resp: 8903

Ion	Ratio	Lower	Upper
198	100		
105	34.9	14.9	54.9
121	32.5	12.5	52.5

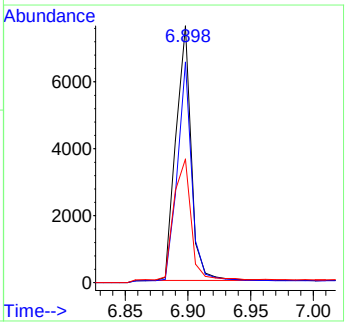


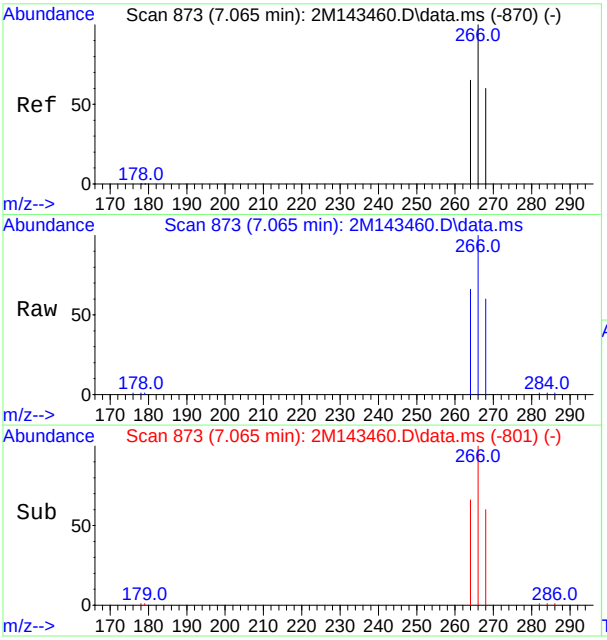


#20
Hexachlorobenzene
Concen: 200.00 ppb
RT: 6.898 min Scan# 852
Delta R.T. 0.000 min
Lab File: 2M143460.D
Acq: 18 Sep 2025 6:58 pm

Tgt Ion:284 Resp: 6439

Ion	Ratio	Lower	Upper
284	100		
286	85.8	55.8	115.8
282	47.4	17.4	77.4

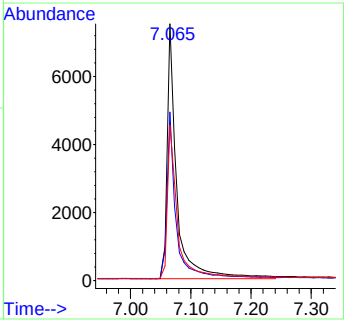


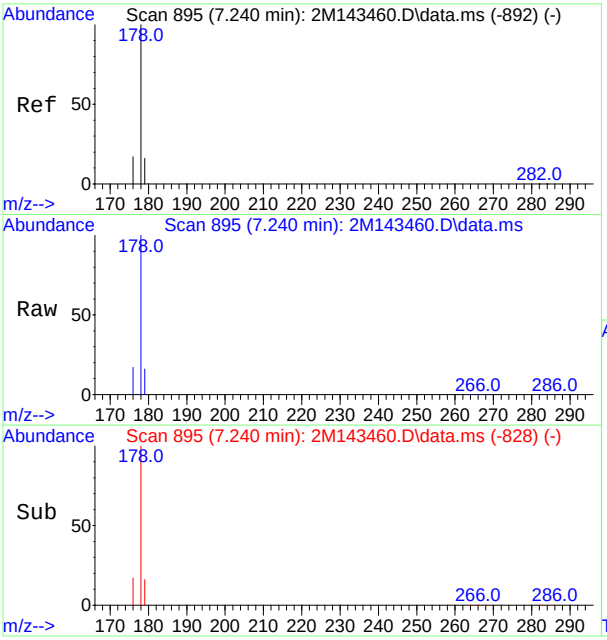


#21
Pentachlorophenol
Concen: 1000.00 ppb
RT: 7.065 min Scan# 873
Delta R.T. 0.000 min
Lab File: 2M143460.D
Acq: 18 Sep 2025 6:58 pm

Tgt Ion:266 Resp: 8412

Ion	Ratio	Lower	Upper
266	100		
264	65.4	35.4	95.4
268	60.0	30.0	90.0

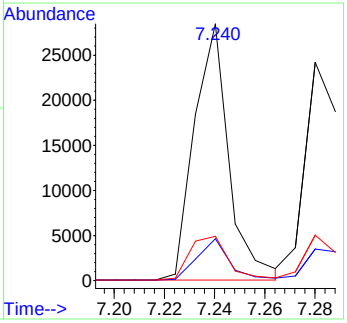


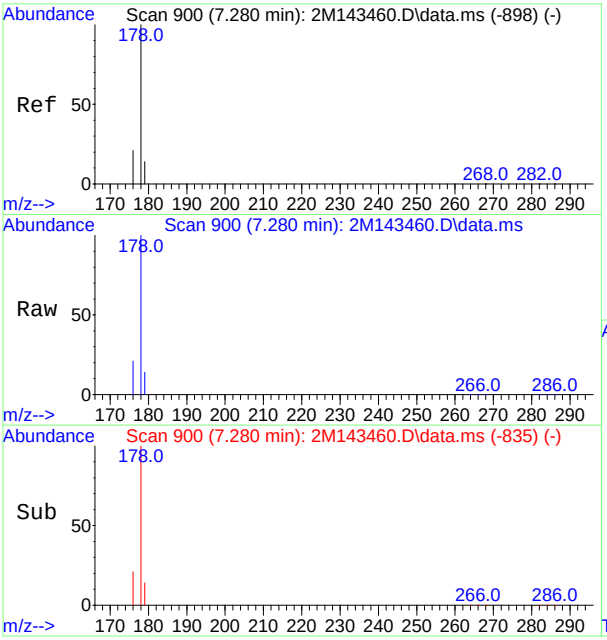


#22
Phenanthrene
Concen: 200.00 ppb
RT: 7.240 min Scan# 895
Delta R.T. 0.000 min
Lab File: 2M143460.D
Acq: 18 Sep 2025 6:58 pm

Tgt Ion:178 Resp: 27269

Ion	Ratio	Lower	Upper
178	100		
179	16.1	0.0	46.1
176	17.1	0.0	47.1

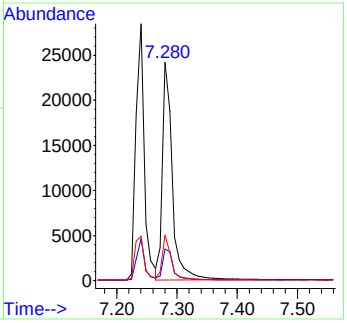


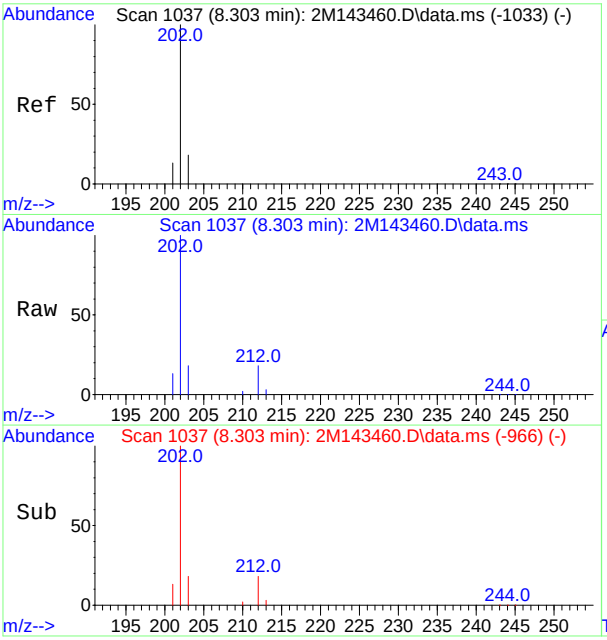


#23
Anthracene
Concen: 200.00 ppb
RT: 7.280 min Scan# 900
Delta R.T. 0.000 min
Lab File: 2M143460.D
Acq: 18 Sep 2025 6:58 pm

Tgt Ion:178 Resp: 27600

Ion	Ratio	Lower	Upper
178	100		
179	14.2	0.0	44.2
176	20.7	0.0	50.7

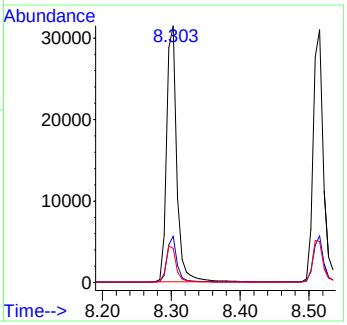


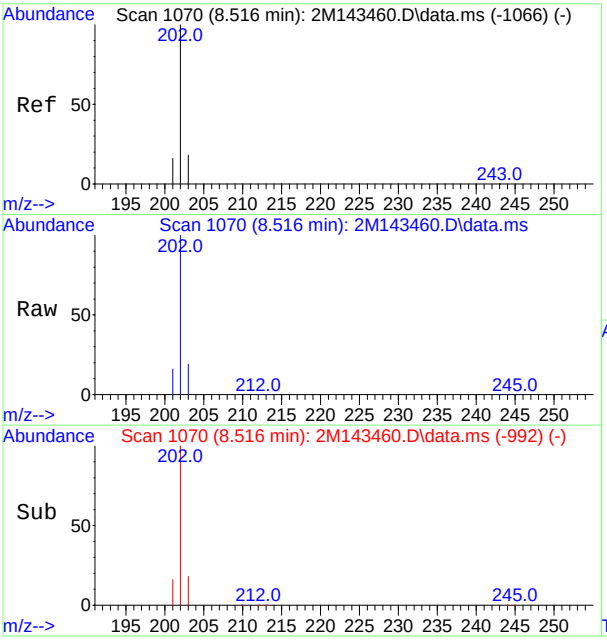


#24
Fluoranthene
Concen: 200.00 ppb
RT: 8.303 min Scan# 1037
Delta R.T. 0.000 min
Lab File: 2M143460.D
Acq: 18 Sep 2025 6:58 pm

Tgt Ion:202 Resp: 32211

Ion	Ratio	Lower	Upper
202	100		
203	17.9	0.0	47.9
201	13.2	0.0	43.2

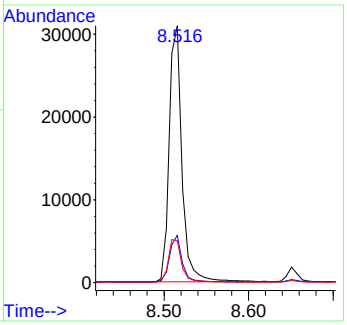


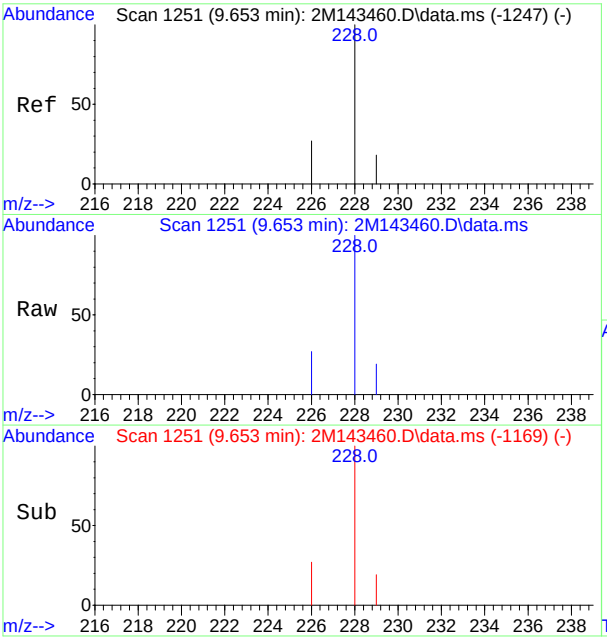


#25
Pyrene
Concen: 200.00 ppb
RT: 8.516 min Scan# 1070
Delta R.T. 0.000 min
Lab File: 2M143460.D
Acq: 18 Sep 2025 6:58 pm

Tgt Ion:202 Resp: 32433

Ion	Ratio	Lower	Upper
202	100		
203	18.3	0.0	48.3
201	16.1	0.0	46.1

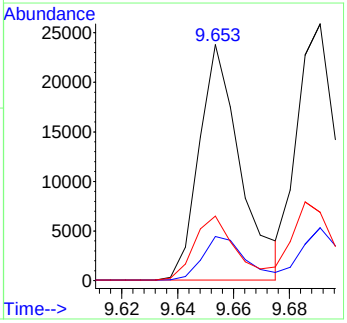


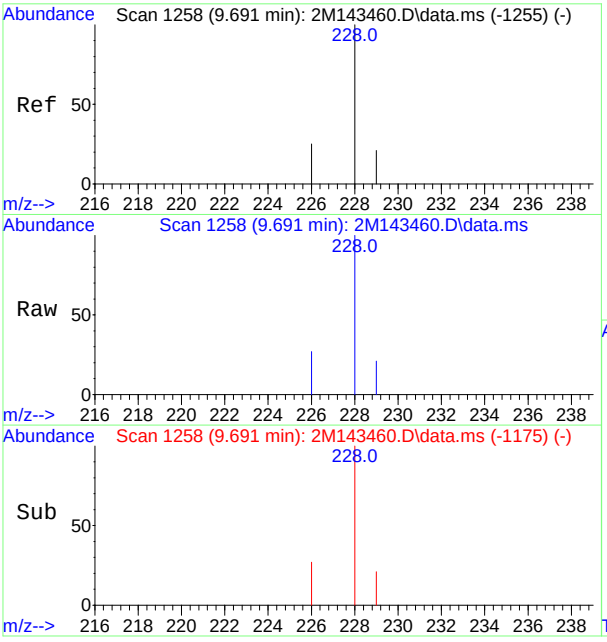


#27
Benzo[a]anthracene
Concen: 200.00 ppb
RT: 9.653 min Scan# 1251
Delta R.T. 0.000 min
Lab File: 2M143460.D
Acq: 18 Sep 2025 6:58 pm

Tgt Ion:228 Resp: 24412

Ion	Ratio	Lower	Upper
228	100		
229	18.4	0.0	48.4
226	26.5	0.0	56.5

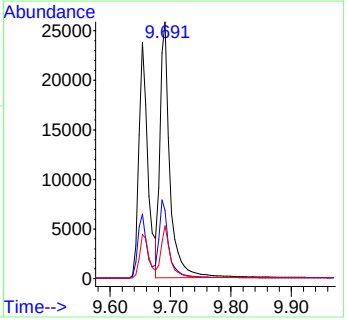


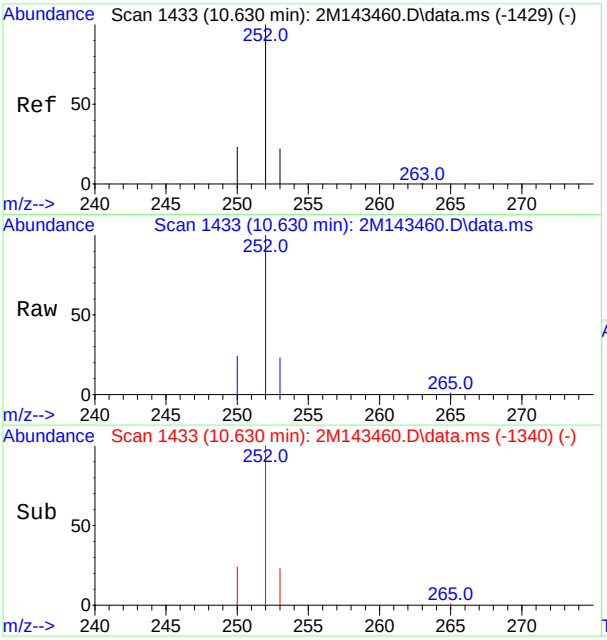


#28
Chrysene
Concen: 200.00 ppb
RT: 9.691 min Scan# 1258
Delta R.T. 0.000 min
Lab File: 2M143460.D
Acq: 18 Sep 2025 6:58 pm

Tgt Ion:228 Resp: 29646

Ion	Ratio	Lower	Upper
228	100		
226	25.9	0.0	55.9
229	20.5	0.0	50.5

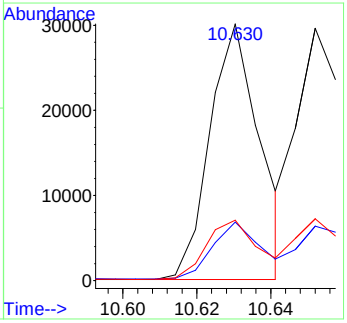


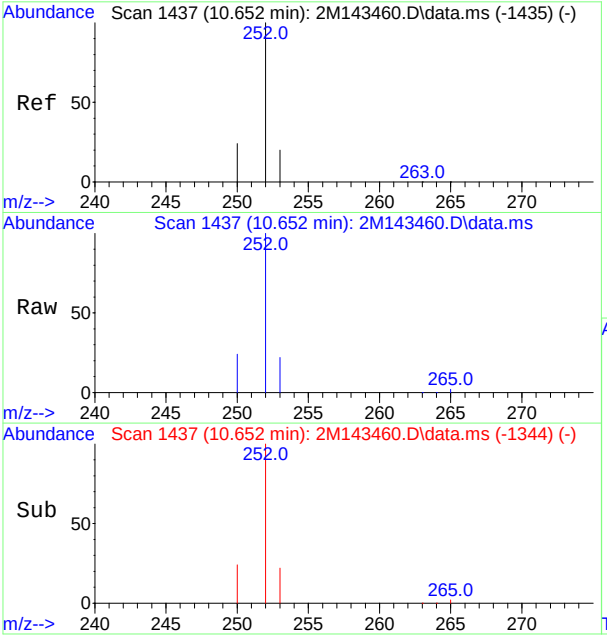


#30
Benzo[b]fluoranthene
Concen: 200.00 ppb
RT: 10.630 min Scan# 1433
Delta R.T. 0.000 min
Lab File: 2M143460.D
Acq: 18 Sep 2025 6:58 pm

Tgt Ion:252 Resp: 28177

Ion	Ratio	Lower	Upper
252	100		
253	22.3	0.0	52.3
250	22.9	0.0	52.9

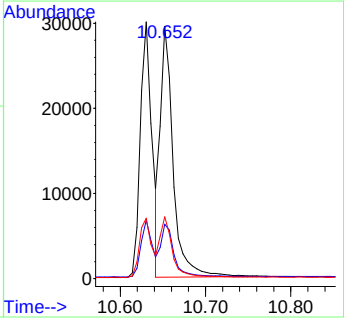


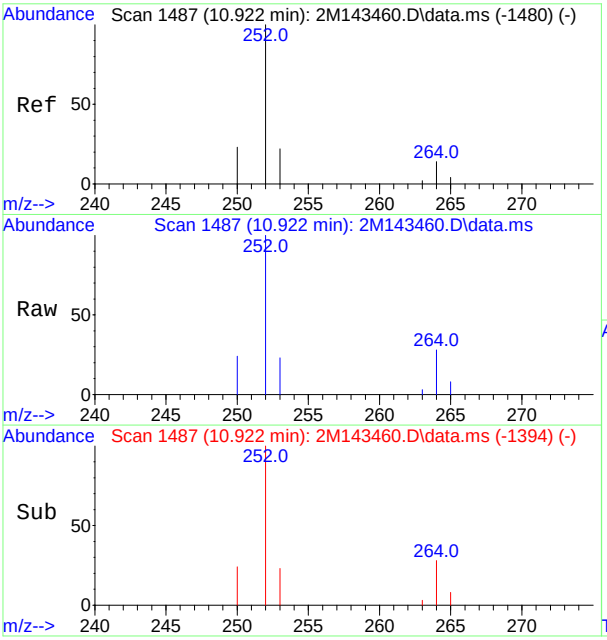


#31
Benzo[k]fluoranthene
Concen: 191.67 ppb
RT: 10.652 min Scan# 1437
Delta R.T. 0.000 min
Lab File: 2M143460.D
Acq: 18 Sep 2025 6:58 pm

Tgt Ion:252 Resp: 31182

Ion	Ratio	Lower	Upper
252	100		
253	20.6	0.0	51.6
250	24.0	0.0	54.5

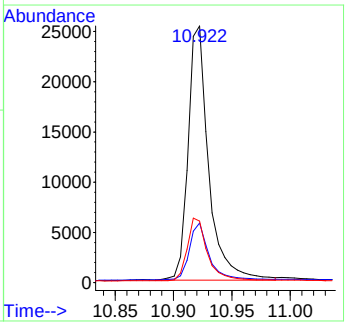


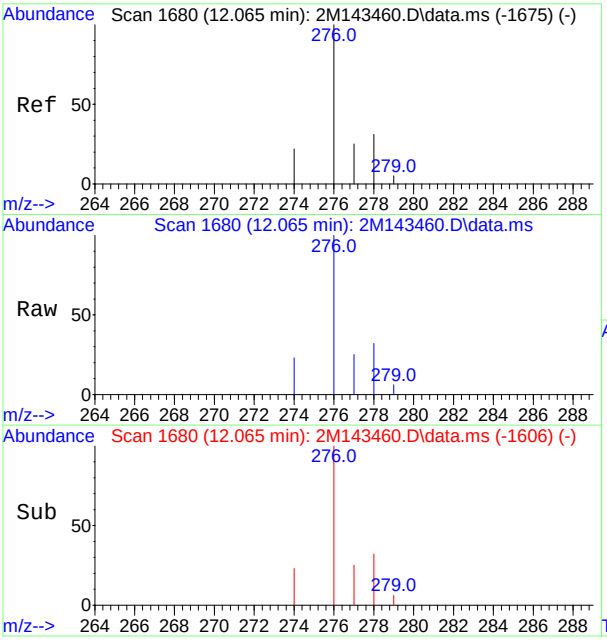


#32
Benzo[a]pyrene
Concen: 200.00 ppb
RT: 10.922 min Scan# 1487
Delta R.T. 0.000 min
Lab File: 2M143460.D
Acq: 18 Sep 2025 6:58 pm

Tgt Ion:252 Resp: 31046

Ion	Ratio	Lower	Upper
252	100		
253	22.4	0.0	52.4
250	23.4	0.0	53.4

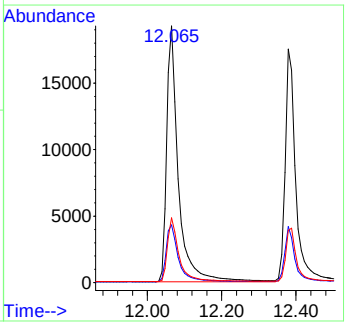


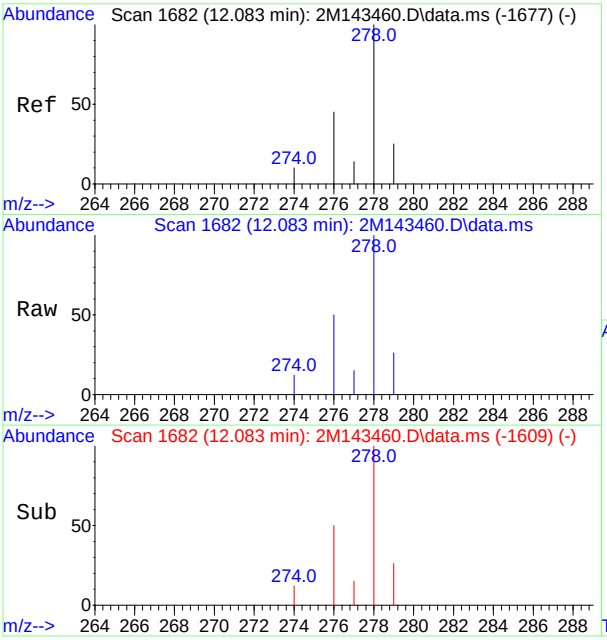


#33
Indeno[1,2,3-cd]pyrene
Concen: 200.00 ppb
RT: 12.065 min Scan# 1680
Delta R.T. 0.000 min
Lab File: 2M143460.D
Acq: 18 Sep 2025 6:58 pm

Tgt Ion:276 Resp: 41845

Ion	Ratio	Lower	Upper
276	100		
274	22.2	0.0	52.2
277	24.9	0.0	54.9

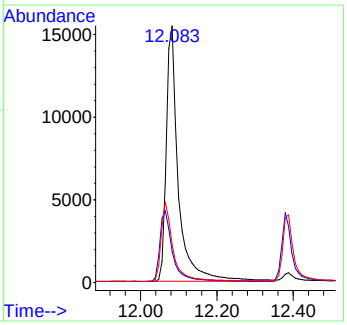


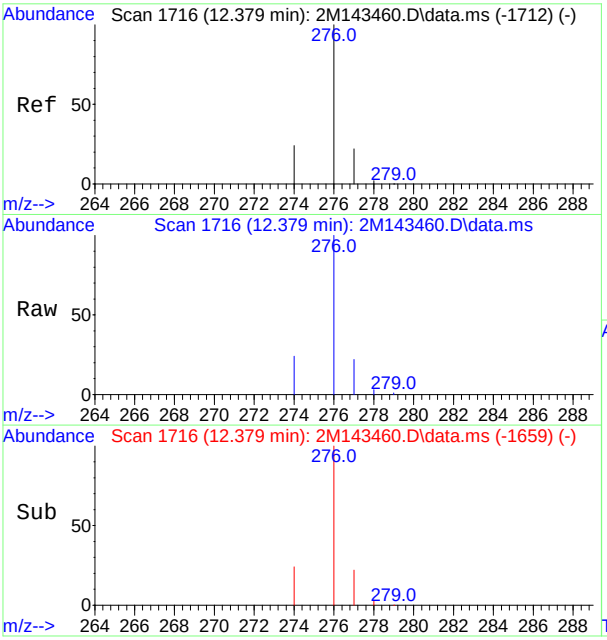


#34
Dibenz[a,h]anthracene
Concen: 200.00 ppb
RT: 12.083 min Scan# 1682
Delta R.T. 0.000 min
Lab File: 2M143460.D
Acq: 18 Sep 2025 6:58 pm

Tgt Ion:278 Resp: 34035

Ion	Ratio	Lower	Upper
278	100		
274	10.7	0.0	40.7
277	14.0	0.0	44.0

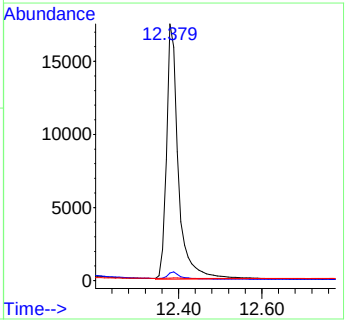




#35
Benzo[g,h,i]perylene
Concen: 200.00 ppb
RT: 12.379 min Scan# 1716
Delta R.T. 0.000 min
Lab File: 2M143460.D
Acq: 18 Sep 2025 6:58 pm

Tgt Ion:276 Resp: 34115

Ion	Ratio	Lower	Upper
276	100		
278	2.2	0.0	32.2
279	0.1	0.0	30.1



Manual Integration Approval Summary

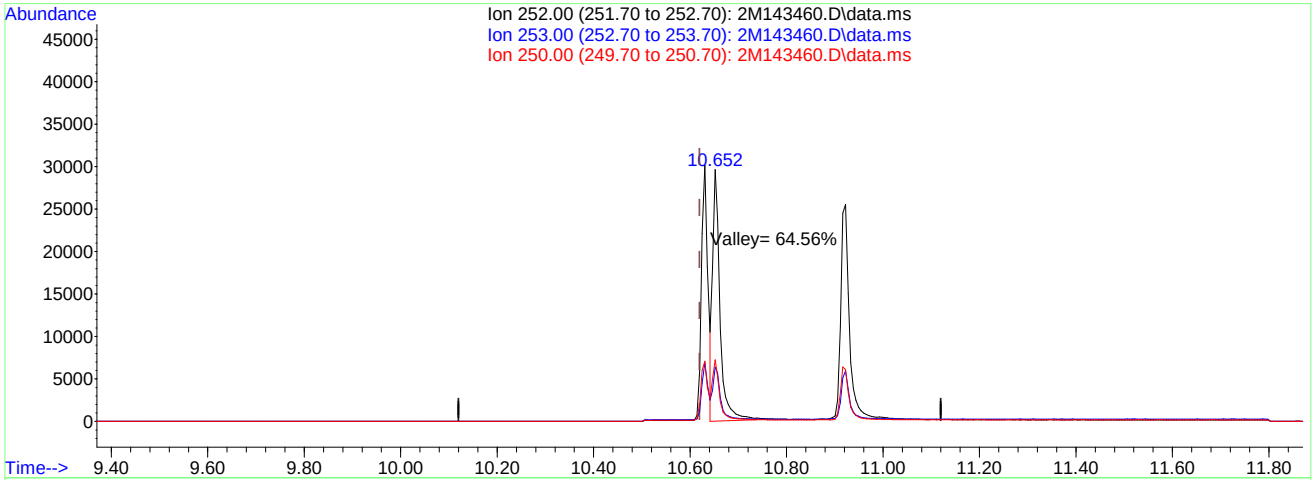
Sample Number: E2M6496-ICC6496 **Method:** SW846 8270E BY SIM
Lab FileID: 2M143460.D **Analyst approved:** 09/19/25 10:52 Ying Li
Injection Time: 09/18/25 18:58 **Supervisor approved:** 09/19/25 11:26 Jon Kreigmor Mamanta

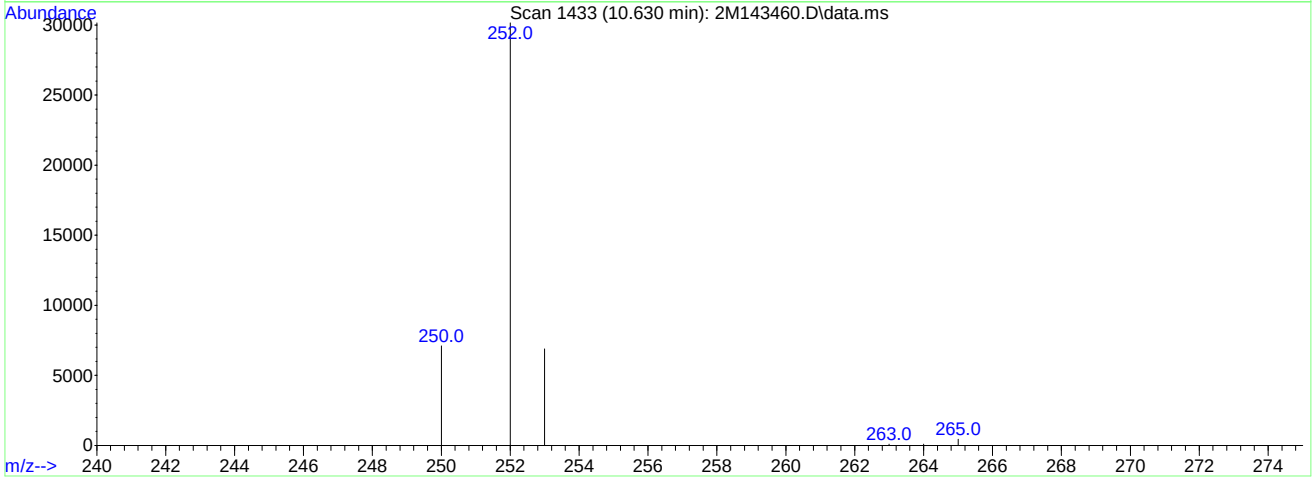
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,4-Dioxane	123-91-1		2.12	Poor instrument integration
Hexachlorobutadiene	87-68-3		5.05	Poor instrument integration
Acenaphthylene	208-96-8		5.97	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143460.D
Acq On : 18 Sep 2025 6:58 pm
Operator : rocquans
Sample : icc6496-0.2
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 18 19:12:17 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Sep 18 16:44:31 2025
Response via : Initial Calibration





TIC: 2M143460.D\data.ms

(30) Benzo[b]fluoranthene (t)

10.630min (+0.011) 161.13ppb

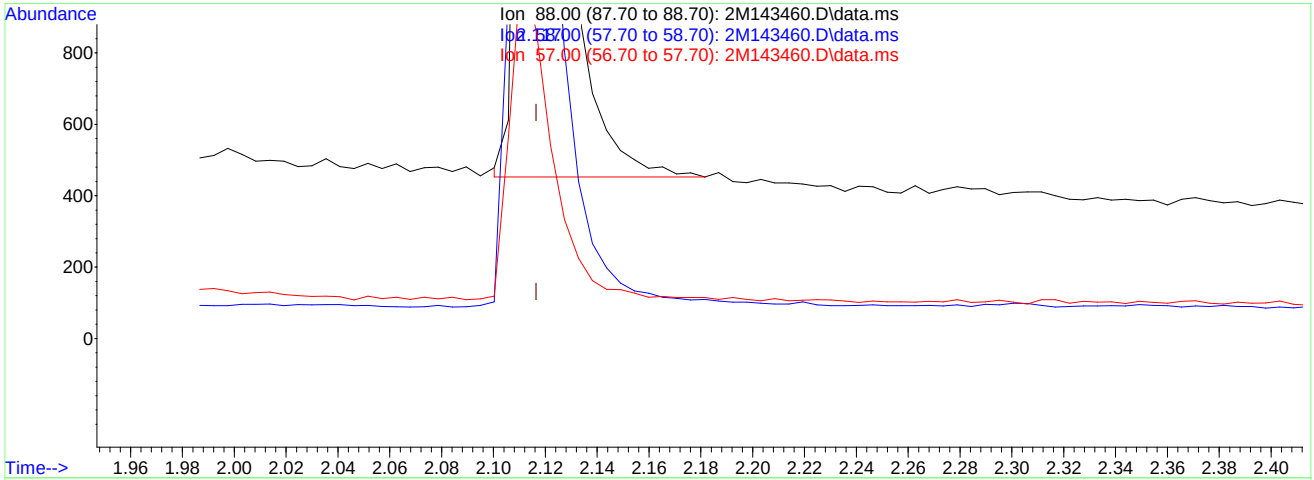
response 28177

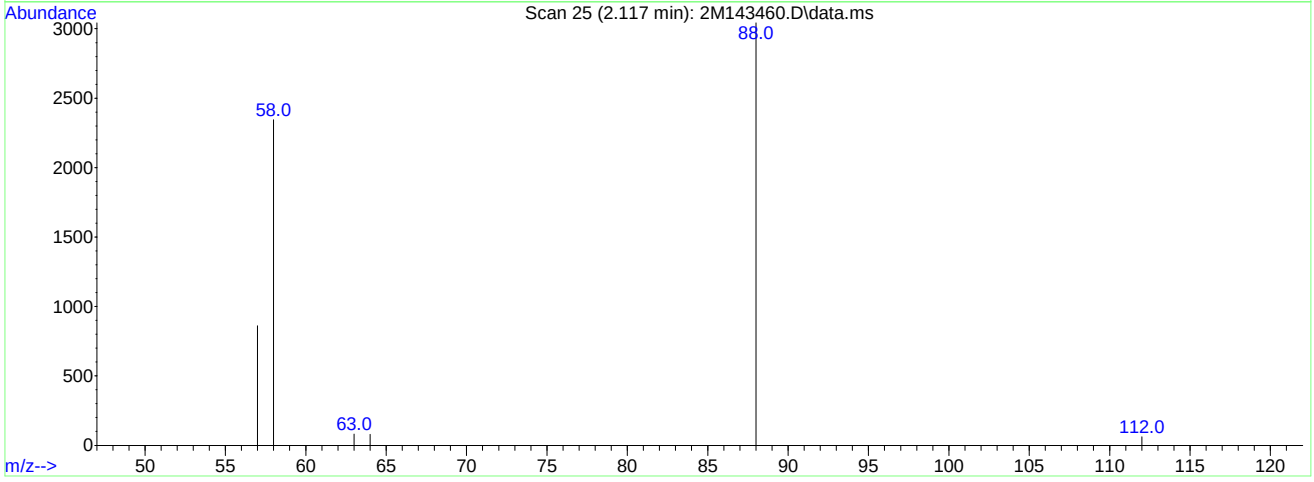
Ion	Exp%	Act%
252.00	100	100
253.00	21.90	22.27
250.00	23.30	22.93
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143460.D
Acq On : 18 Sep 2025 6:58 pm
Operator : rocquans
Sample : icc6496-0.2
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 19 09:56:41 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 09:56:26 2025
Response via : Initial Calibration





TIC: 2M143460.D\data.ms

(2) 1,4-Dioxane (t)

2.117min (0.000) 200.00ppb

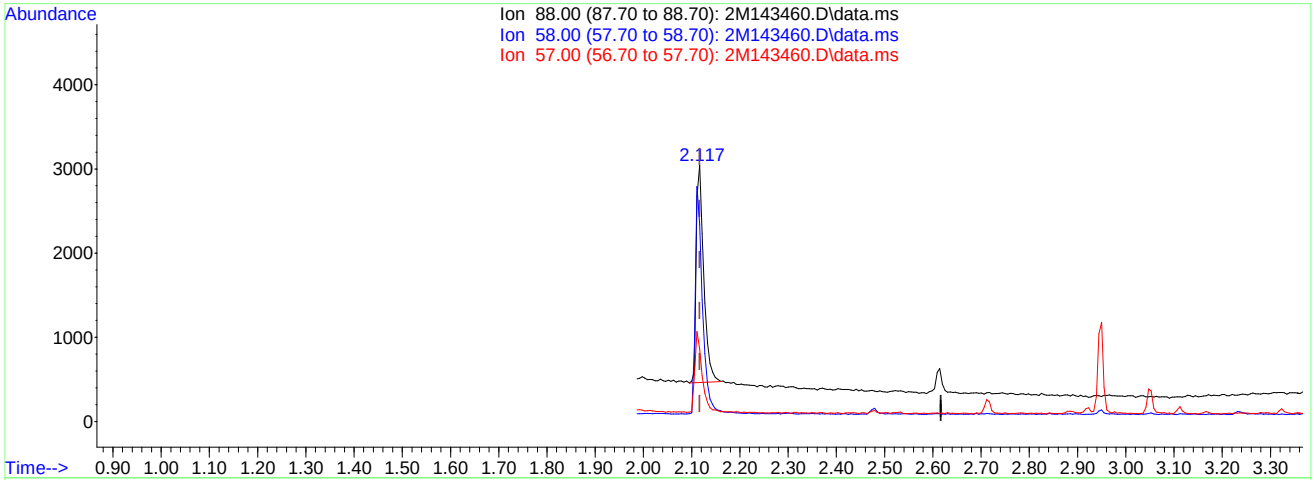
response 2836

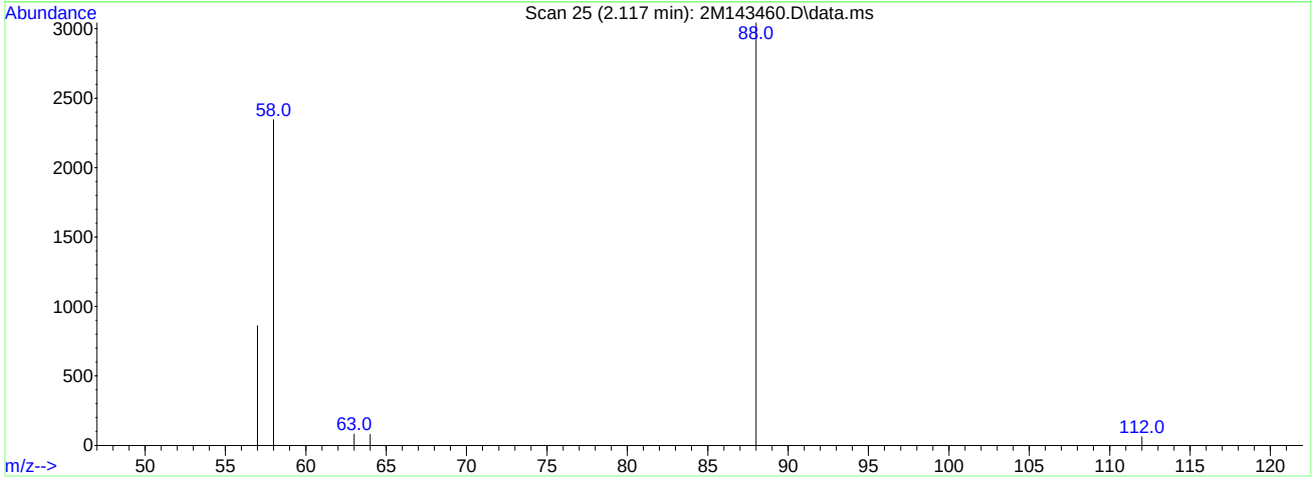
Ion	Exp%	Act%
88.00	100	100
58.00	86.80	86.83
57.00	28.90	28.87
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143460.D
Acq On : 18 Sep 2025 6:58 pm
Operator : rocquans
Sample : icc6496-0.2
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 19 09:56:41 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 09:56:26 2025
Response via : Initial Calibration





TIC: 2M143460.D\data.ms

(2) 1,4-Dioxane (t)

2.117min (0.000) 196.05ppb m

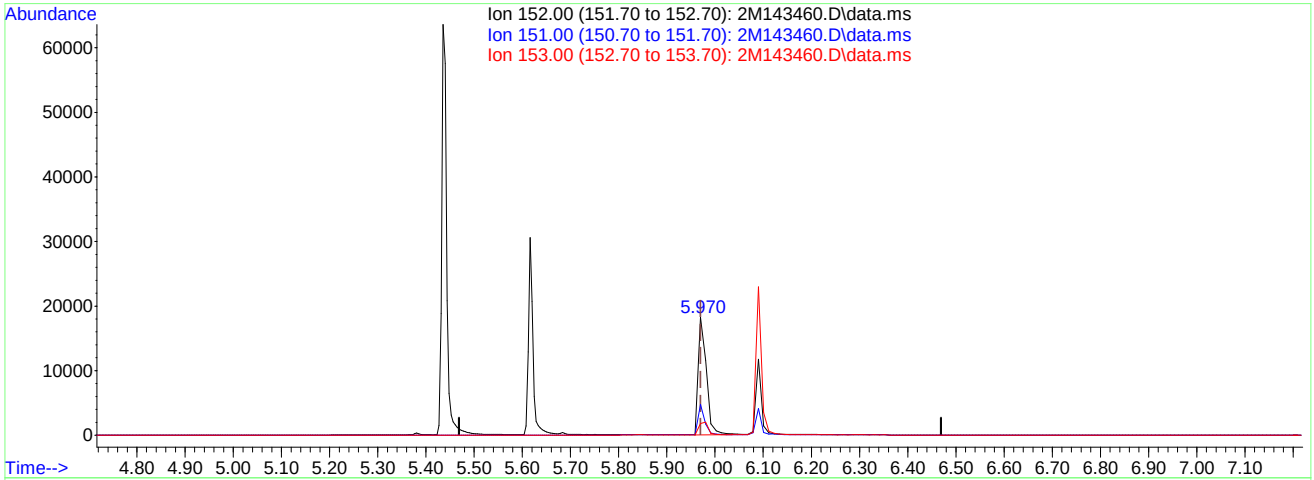
response 2780

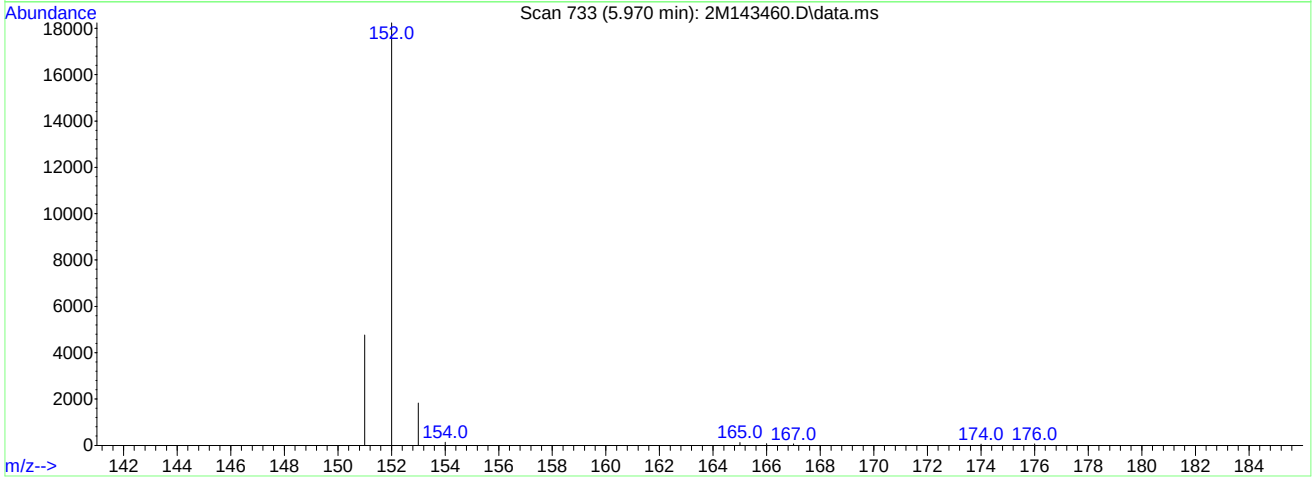
Ion	Exp%	Act%
88.00	100	100
58.00	86.80	77.03
57.00	28.90	28.29
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143460.D
Acq On : 18 Sep 2025 6:58 pm
Operator : rocquans
Sample : icc6496-0.2
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 19 09:57:26 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 09:56:26 2025
Response via : Initial Calibration





TIC: 2M143460.D\data.ms

(14) Acenaphthylene (t)

5.970min (0.000) 203.85ppb m

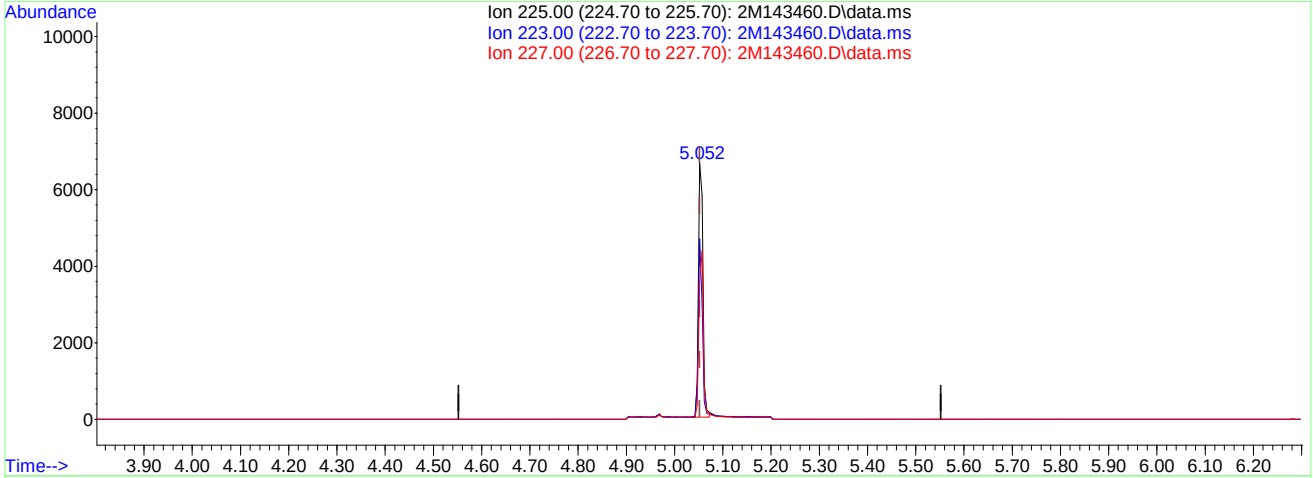
response 21402

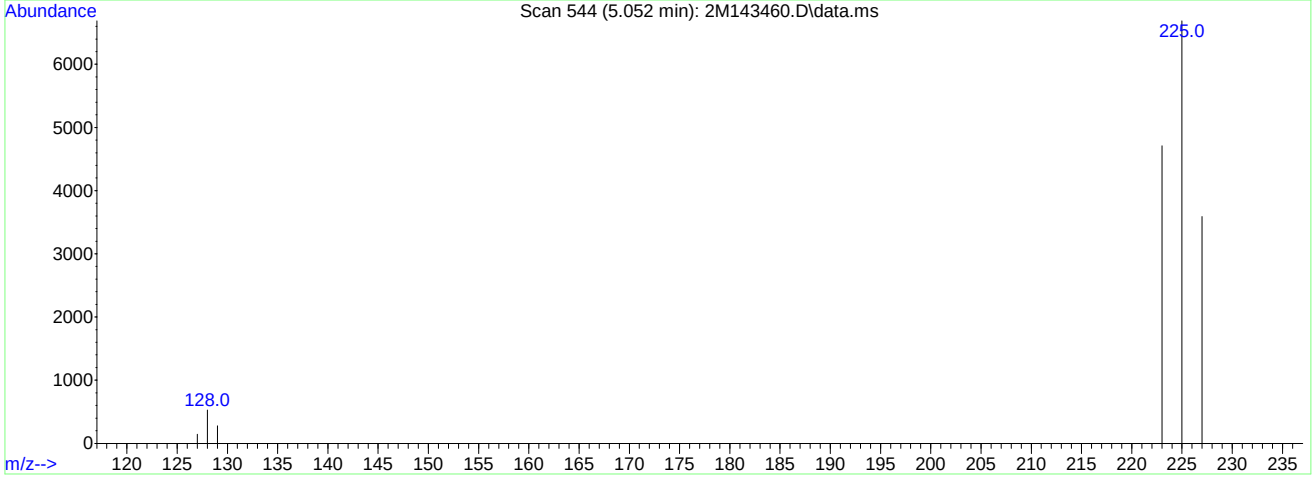
Ion	Exp%	Act%
152.00	100	100
151.00	25.90	26.09
153.00	9.60	9.99
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143460.D
Acq On : 18 Sep 2025 6:58 pm
Operator : rocquans
Sample : icc6496-0.2
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 19 09:57:26 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 09:56:26 2025
Response via : Initial Calibration





TIC: 2M143460.D\data.ms

(8) Hexachlorobutadiene (t)

5.052min (0.000) 200.00ppb

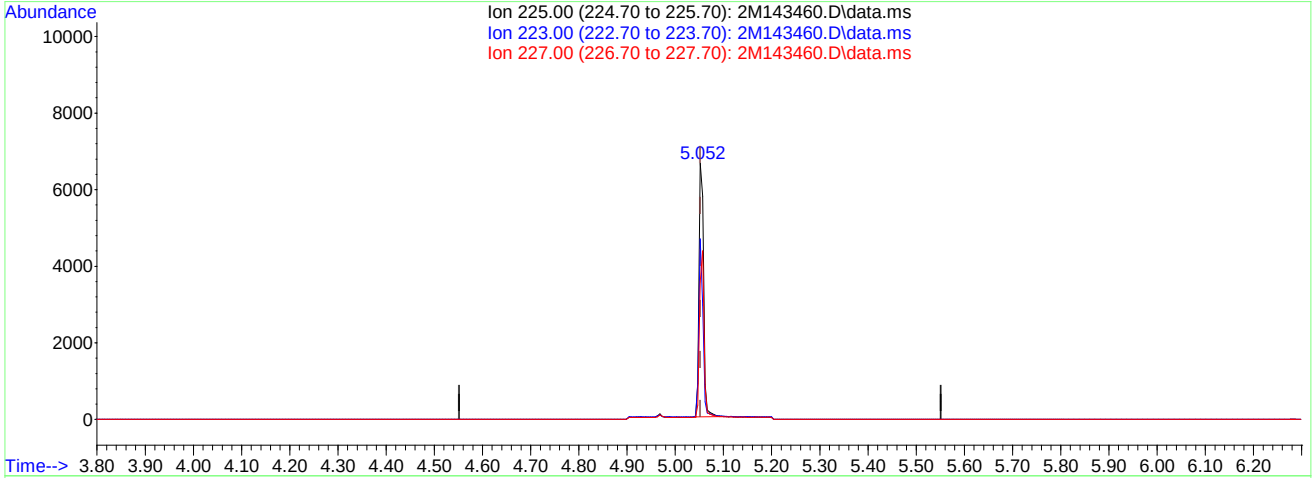
response 4269

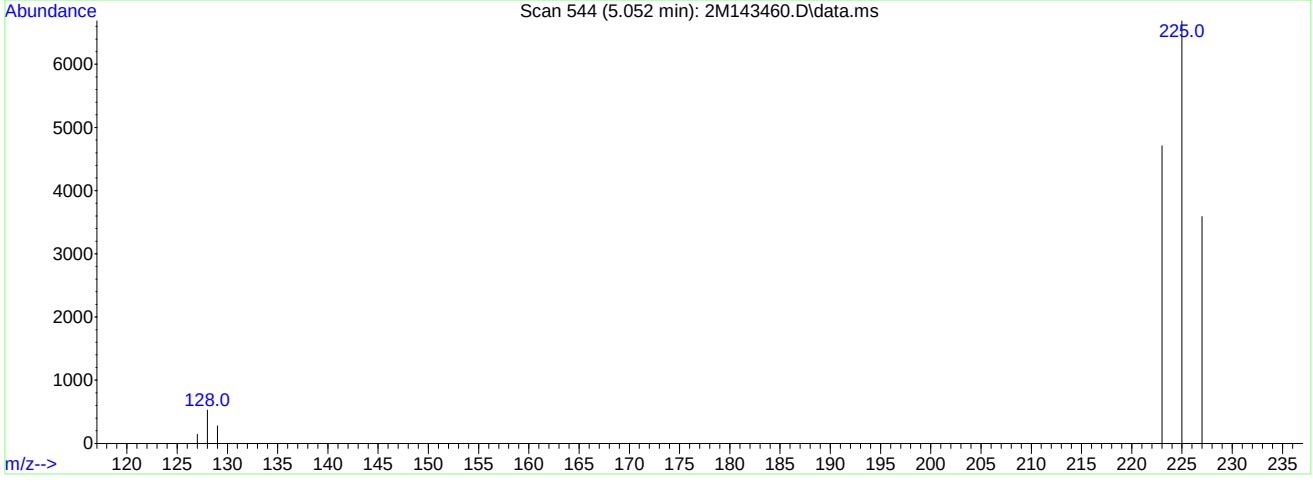
Ion	Exp%	Act%
225.00	100	100
223.00	70.10	70.11
227.00	53.20	53.19
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143460.D
Acq On : 18 Sep 2025 6:58 pm
Operator : rocquans
Sample : icc6496-0.2
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 19 09:57:26 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 09:56:26 2025
Response via : Initial Calibration





TIC: 2M143460.D\data.ms

(8) Hexachlorobutadiene (t)

5.052min (0.000) 201.50ppb m

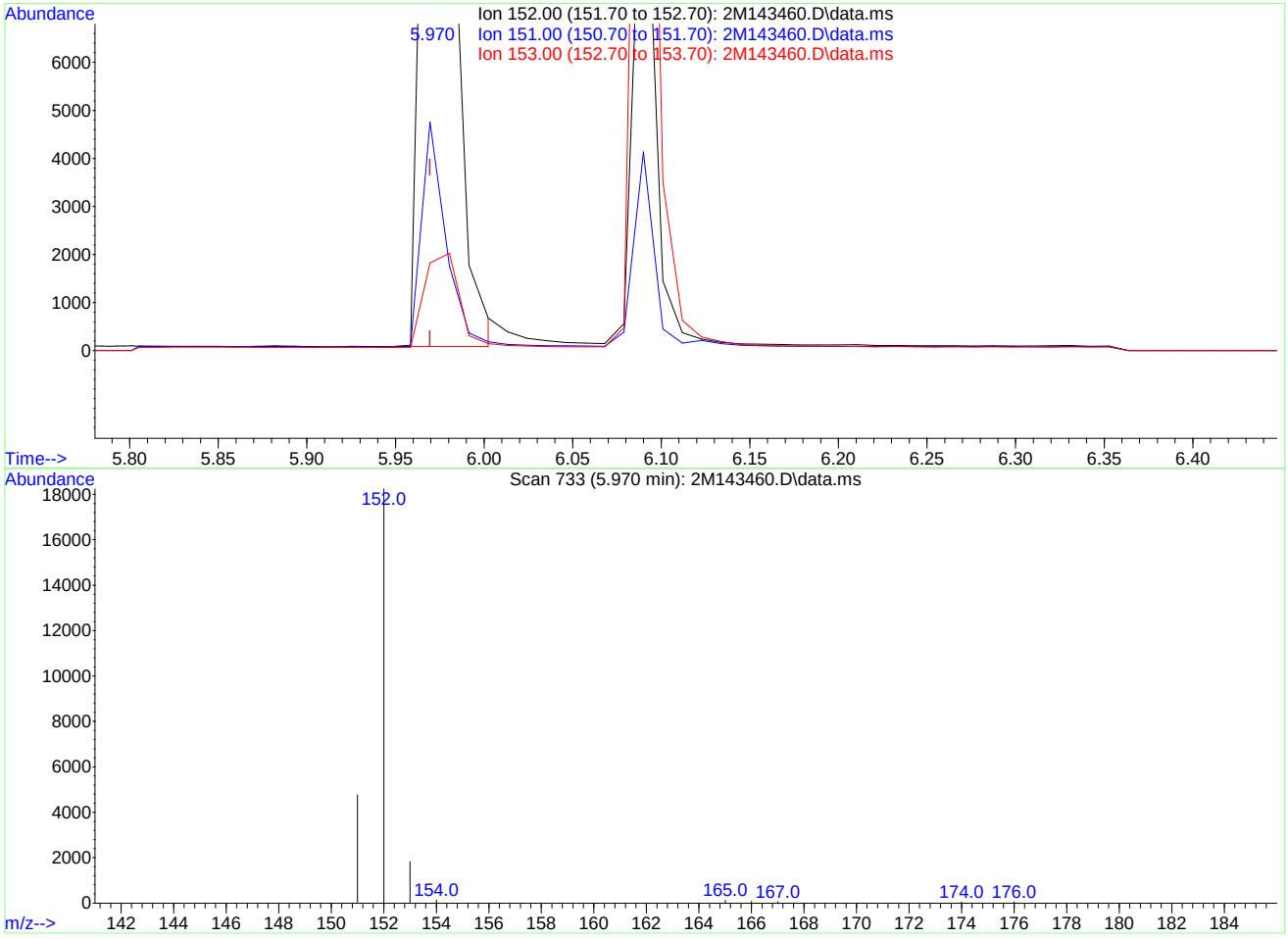
response 4301

Ion	Exp%	Act%
225.00	100	100
223.00	70.10	70.44
227.00	53.20	53.67
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143460.D
Acq On : 18 Sep 2025 6:58 pm
Operator : rocquans
Sample : icc6496-0.2
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 19 09:57:26 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 09:56:26 2025
Response via : Initial Calibration



TIC: 2M143460.D\data.ms

(14) Acenaphthylene (t)

5.970min (0.000) 200.00ppb

response 20998

Ion	Exp%	Act%
152.00	100	100
151.00	25.90	25.93
153.00	9.60	9.61
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Jon Kreigmor Mamanta 09/19/25 11:26

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143461.D
Acq On : 18 Sep 2025 7:18 pm
Operator : rocquans
Sample : ic6496-0.5
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 19 10:06:50 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 09:56:26 2025
Response via : Initial Calibration

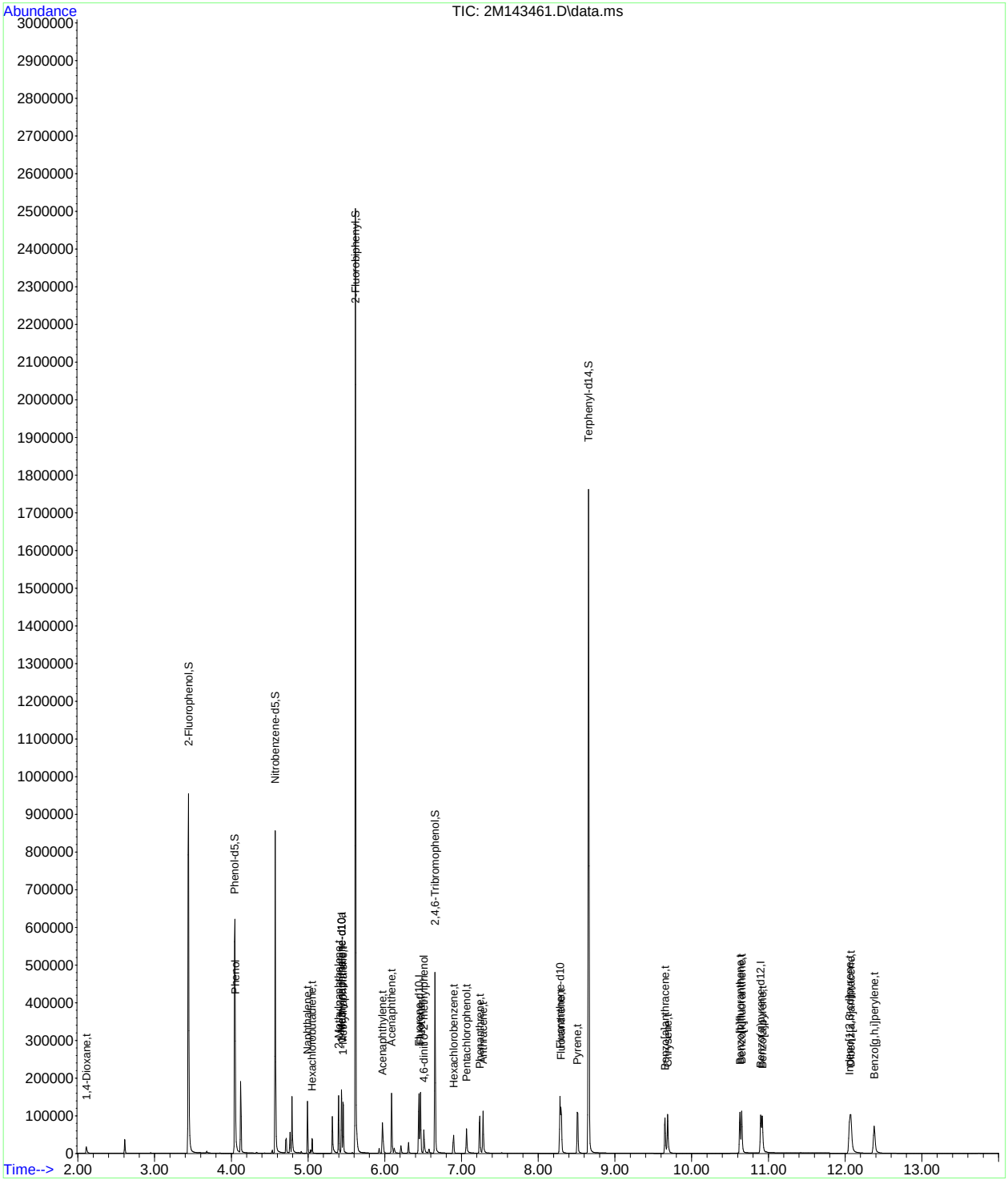
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1-Methylnaphthalene-d10	5.435	150	44171	800.00	ppb		0.00
12) Fluorene-d10	6.446	176	61979	800.00	ppb		0.00
19) Fluoranthene-d10	8.283	212	100863	800.00	ppb		0.00
29) Benzo(a)pyrene-d12	10.900	264	84448	800.00	ppb		0.00
36) 1-Methylnaphthalene-d10a	5.435	150	44171	800.00	ppb		0.00
System Monitoring Compounds							
3) 2-Fluorophenol	3.442	112	344001	9618.65	ppb		0.00
Spiked Amount 10000.000			Recovery = 96.19%				
4) Phenol-d5	4.040	99	403999	9919.66	ppb		0.00
Spiked Amount 10000.000			Recovery = 99.20%				
6) Nitrobenzene-d5	4.572	82	373458	9795.84	ppb		0.00
Spiked Amount 10000.000			Recovery = 97.96%				
13) 2-Fluorobiphenyl	5.616	172	952722	9471.77	ppb		0.00
Spiked Amount 10000.000			Recovery = 94.72%				
18) 2,4,6-Tribromophenol	6.655	330	143711	10279.49	ppb		0.00
Spiked Amount 10000.000			Recovery = 102.79%				
26) Terphenyl-d14	8.657	244	1002884	9368.96	ppb		0.00
Spiked Amount 10000.000			Recovery = 93.69%				
Target Compounds							Qvalue
2) 1,4-Dioxane	2.111	88	7177	467.50	ppb		97
5) Phenol	4.053	94	112045	2354.54	ppb	#	79
7) Naphthalene	4.993	128	59961	468.34	ppb		99
8) Hexachlorobutadiene	5.052	225	11158m	482.84	ppb		
9) 2-Methylnaphthalene	5.397	141	38031	487.92	ppb		99
10) 1-Methylnaphthalene	5.456	141	36921	467.00	ppb		86
14) Acenaphthylene	5.969	152	58530m	510.31	ppb		
15) Acenaphthene	6.090	153	48368	485.11	ppb		96
16) Fluorene	6.465	166	51345	478.45	ppb		98
17) 4,6-dinitro-2-methylph...	6.509	198	28884	2969.80	ppb		73
20) Hexachlorobenzene	6.898	284	16610	484.24	ppb		99
21) Pentachlorophenol	7.065	266	27500	3068.38	ppb		95
22) Phenanthrene	7.240	178	72206	497.06	ppb		99
23) Anthracene	7.280	178	73221	498.00	ppb		98
24) Fluoranthene	8.296	202	81105	472.66	ppb		96
25) Pyrene	8.509	202	83380	482.59	ppb		96
27) Benzo[a]anthracene	9.653	228	61064	469.56	ppb		97
28) Chrysene	9.685	228	73945	468.22	ppb		89
30) Benzo[b]fluoranthene	10.630	252	69726	508.80	ppb		100
31) Benzo[k]fluoranthene	10.652	252	71798	453.70	ppb		97
32) Benzo[a]pyrene	10.922	252	72041	477.12	ppb		99
33) Indeno[1,2,3-cd]pyrene	12.056	276	106599	523.79	ppb		96
34) Dibenz[a,h]anthracene	12.074	278	88541	534.90	ppb		92
35) Benzo[g,h,i]perylene	12.379	276	85479	515.19	ppb		99

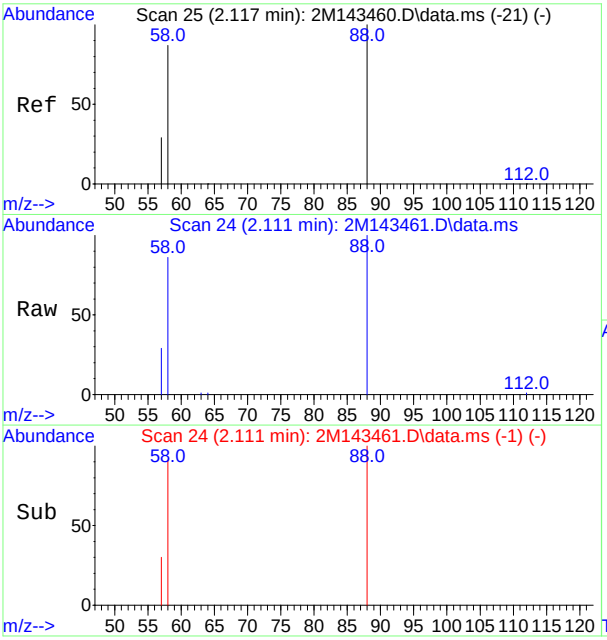
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143461.D
Acq On : 18 Sep 2025 7:18 pm
Operator : rocquans
Sample : ic6496-0.5
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 19 10:06:50 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 09:56:26 2025
Response via : Initial Calibration

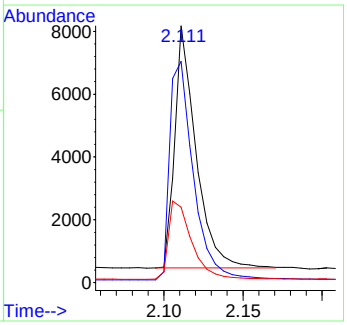


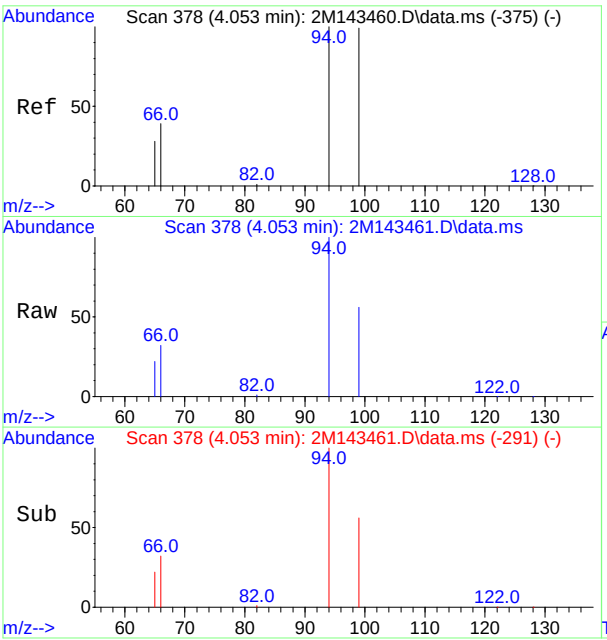


#2
1,4-Dioxane
Concen: 467.50 ppb
RT: 2.111 min Scan# 24
Delta R.T. -0.006 min
Lab File: 2M143461.D
Acq: 18 Sep 2025 7:18 pm

Tgt Ion: 88 Resp: 7177

Ion	Ratio	Lower	Upper
88	100		
58	90.0	66.8	106.8
57	29.7	8.9	48.9

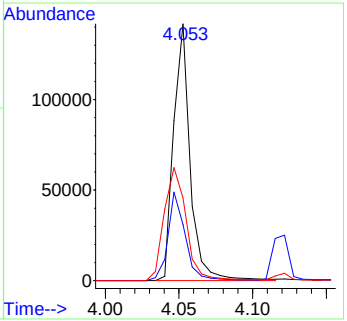


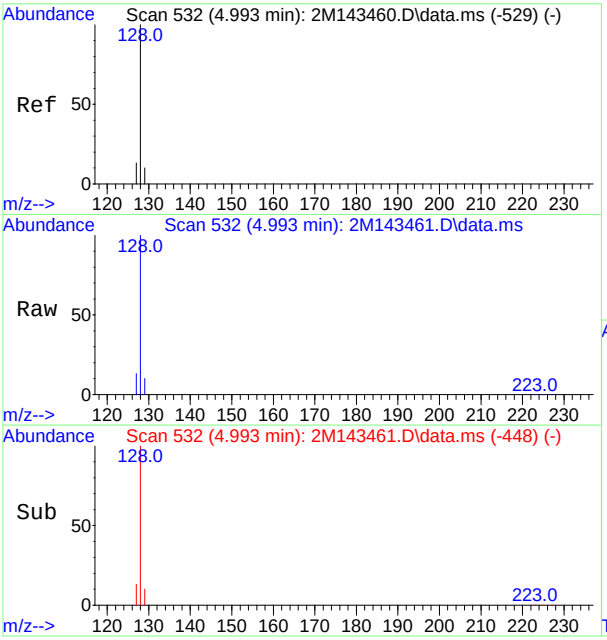


#5
Phenol
Concen: 2354.54 ppb
RT: 4.053 min Scan# 378
Delta R.T. -0.000 min
Lab File: 2M143461.D
Acq: 18 Sep 2025 7:18 pm

Tgt Ion: 94 Resp: 112045

Ion	Ratio	Lower	Upper
94	100		
65	13.1	22.2	33.2#
66	29.6	31.2	46.8#

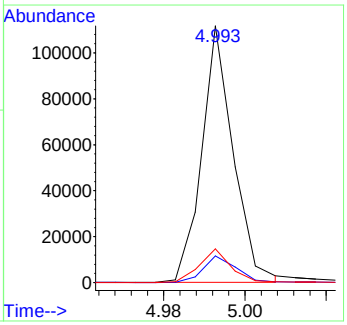


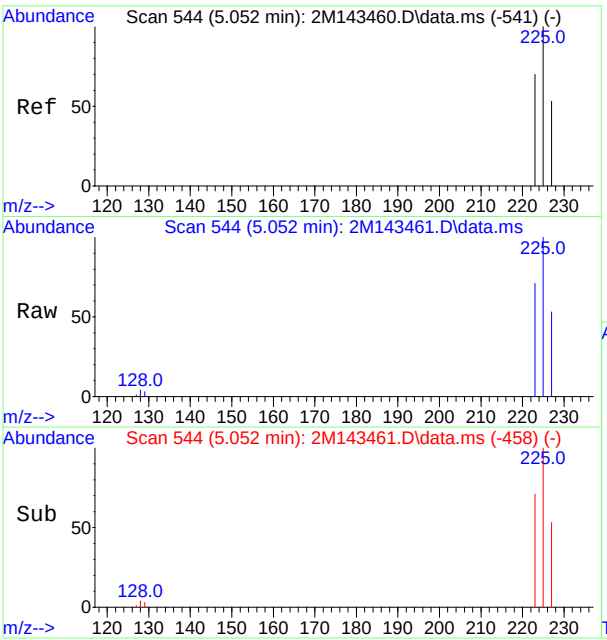


#7
Naphthalene
Concen: 468.34 ppb
RT: 4.993 min Scan# 532
Delta R.T. -0.000 min
Lab File: 2M143461.D
Acq: 18 Sep 2025 7:18 pm

Tgt Ion:128 Resp: 59961

Ion	Ratio	Lower	Upper
128	100		
129	10.4	0.0	40.0
127	13.2	0.0	43.4

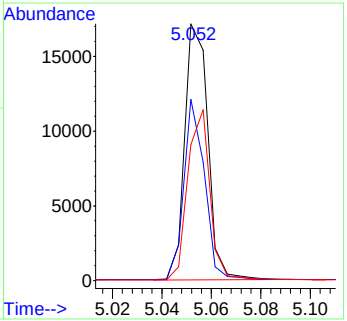


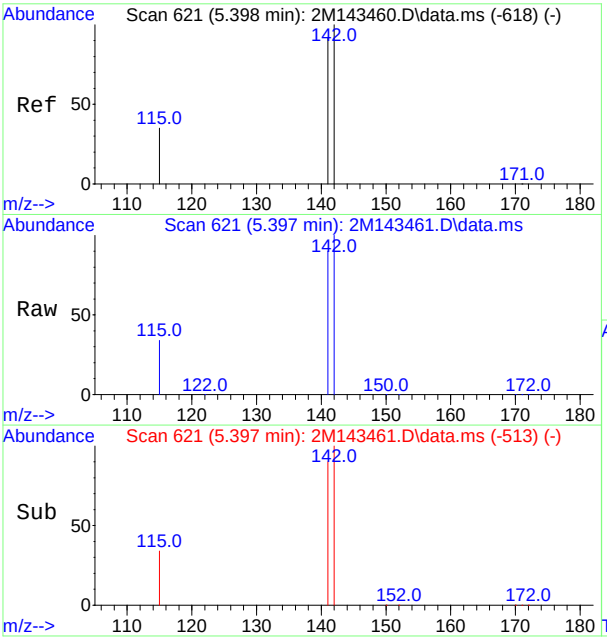


#8
Hexachlorobutadiene
Concen: 482.84 ppb m
RT: 5.052 min Scan# 544
Delta R.T. -0.000 min
Lab File: 2M143461.D
Acq: 18 Sep 2025 7:18 pm

Tgt Ion:225 Resp: 11158

Ion	Ratio	Lower	Upper
225	100		
223	70.6	40.1	100.1
227	53.0	23.2	83.2

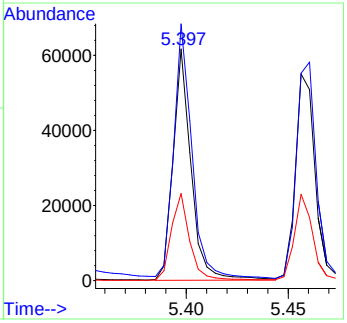


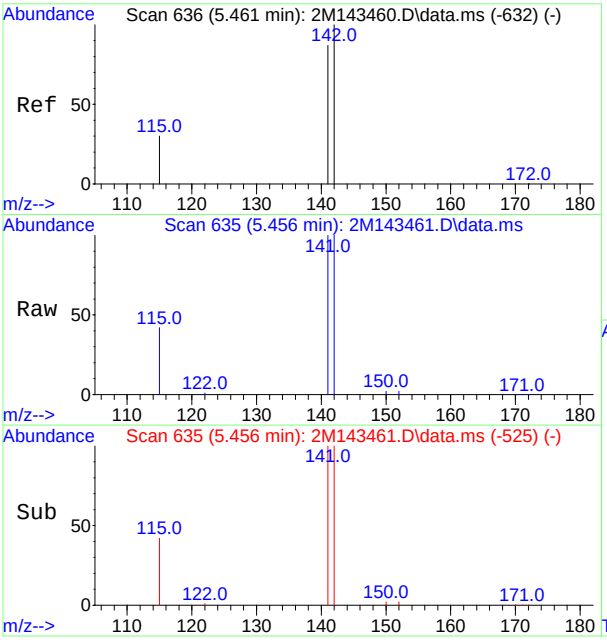


#9
2-Methylnaphthalene
Concen: 487.92 ppb
RT: 5.397 min Scan# 621
Delta R.T. -0.000 min
Lab File: 2M143461.D
Acq: 18 Sep 2025 7:18 pm

Tgt Ion:141 Resp: 38031

Ion	Ratio	Lower	Upper
141	100		
142	110.2	79.2	139.2
115	37.6	8.0	68.0

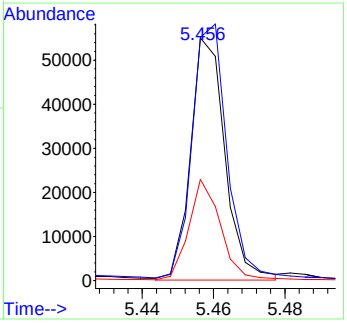


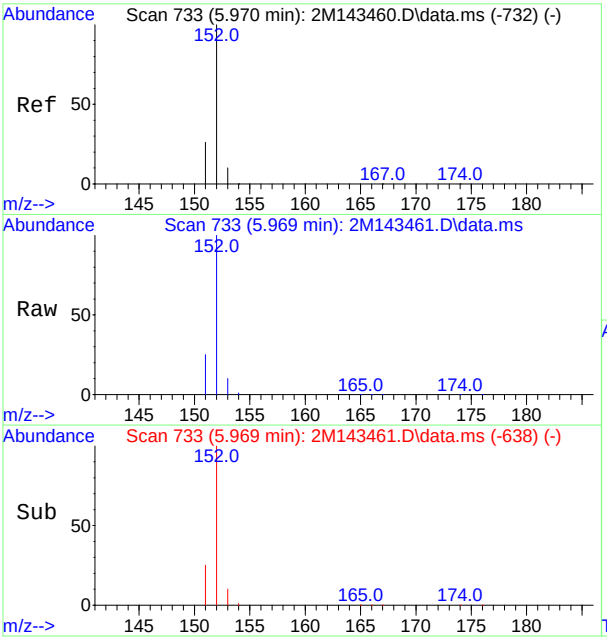


#10
1-Methylnaphthalene
Concen: 467.00 ppb
RT: 5.456 min Scan# 635
Delta R.T. -0.004 min
Lab File: 2M143461.D
Acq: 18 Sep 2025 7:18 pm

Tgt Ion:141 Resp: 36921

Ion	Ratio	Lower	Upper
141	100		
142	100.2	85.6	145.6
115	41.9	4.2	64.2

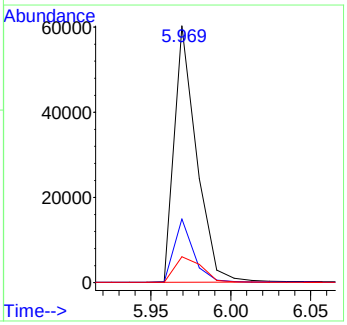


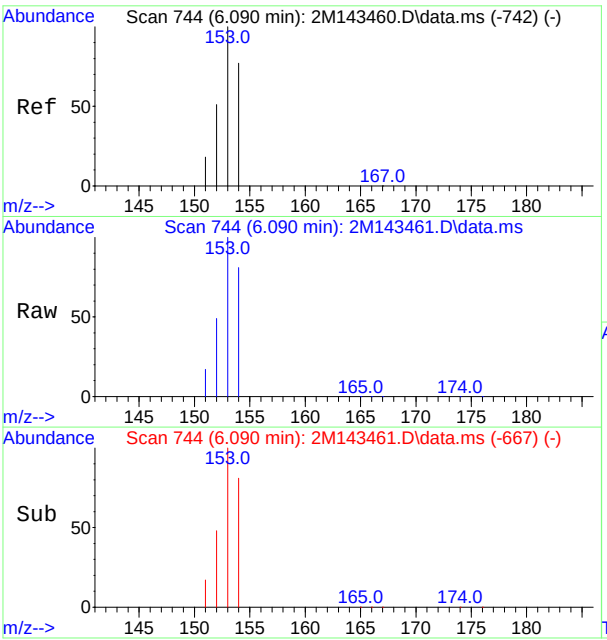


#14
Acenaphthylene
Concen: 510.31 ppb m
RT: 5.969 min Scan# 733
Delta R.T. -0.000 min
Lab File: 2M143461.D
Acq: 18 Sep 2025 7:18 pm

Tgt Ion:152 Resp: 58530

Ion	Ratio	Lower	Upper
152	100		
151	24.8	0.0	55.9
153	10.1	0.0	39.6

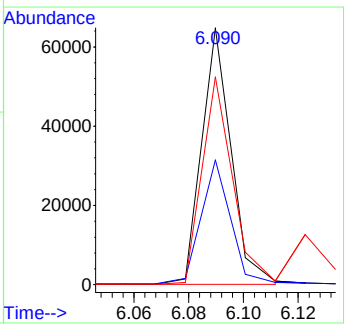


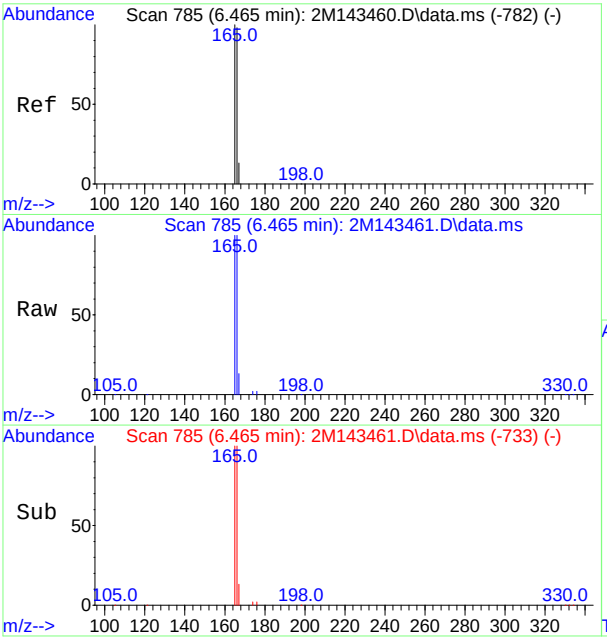


#15
Acenaphthene
Concen: 485.11 ppb
RT: 6.090 min Scan# 744
Delta R.T. -0.000 min
Lab File: 2M143461.D
Acq: 18 Sep 2025 7:18 pm

Tgt Ion:153 Resp: 48368

Ion	Ratio	Lower	Upper
153	100		
152	48.4	20.8	80.8
154	80.7	47.0	107.0

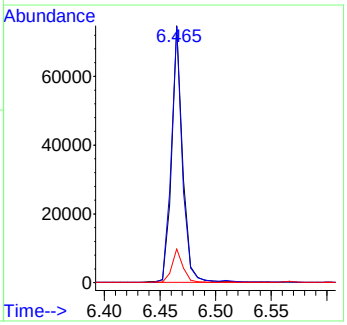


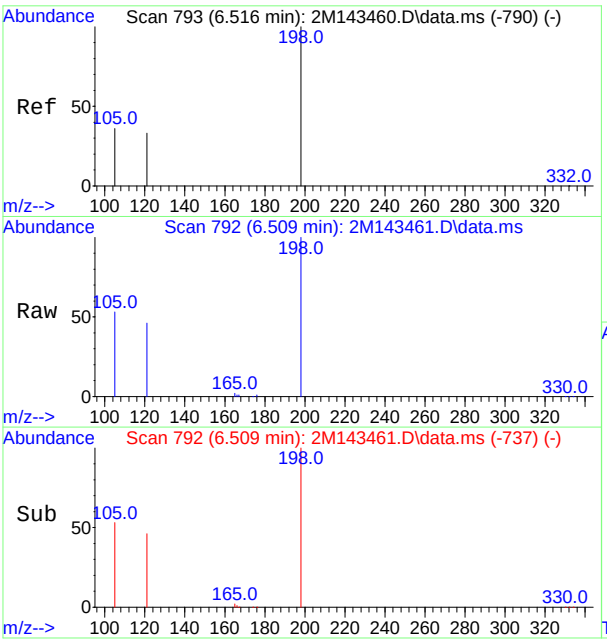


#16
Fluorene
Concen: 478.45 ppb
RT: 6.465 min Scan# 785
Delta R.T. -0.000 min
Lab File: 2M143461.D
Acq: 18 Sep 2025 7:18 pm

Tgt Ion:166 Resp: 51345

Ion	Ratio	Lower	Upper
166	100		
165	99.9	72.1	132.1
167	13.0	0.0	43.0

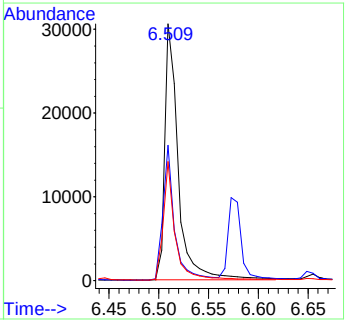


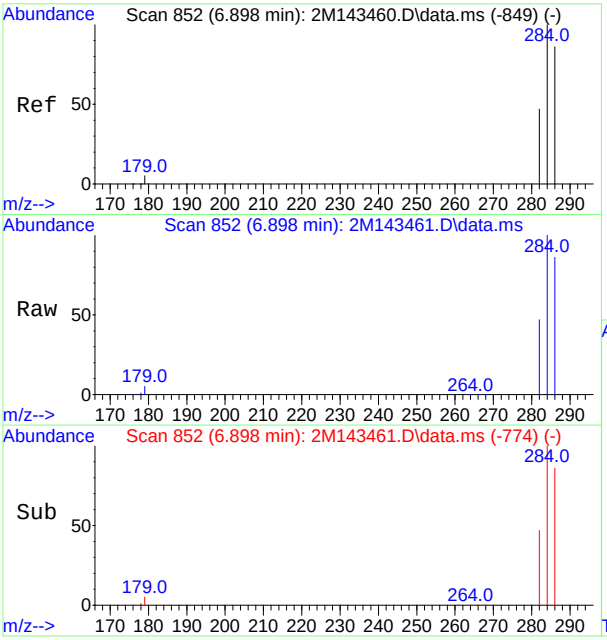


#17
4,6-dinitro-2-methylphenol
Concen: 2969.80 ppb
RT: 6.509 min Scan# 792
Delta R.T. -0.007 min
Lab File: 2M143461.D
Acq: 18 Sep 2025 7:18 pm

Tgt Ion:198 Resp: 28884

Ion	Ratio	Lower	Upper
198	100		
105	52.1	14.9	54.9
121	46.1	12.5	52.5

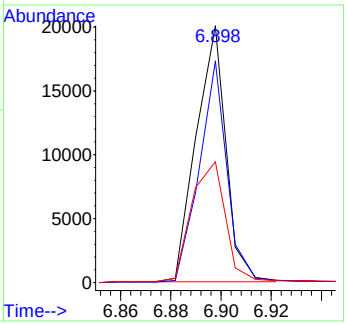


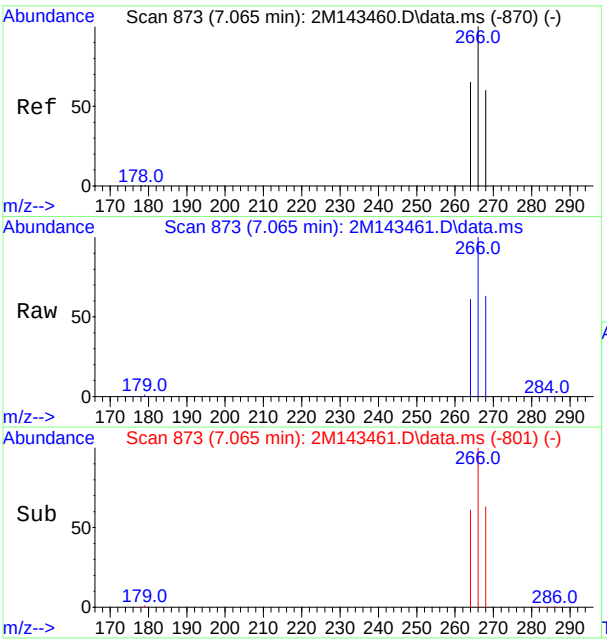


#20
Hexachlorobenzene
Concen: 484.24 ppb
RT: 6.898 min Scan# 852
Delta R.T. -0.000 min
Lab File: 2M143461.D
Acq: 18 Sep 2025 7:18 pm

Tgt Ion:284 Resp: 16610

Ion	Ratio	Lower	Upper
284	100		
286	86.2	55.8	115.8
282	46.8	17.4	77.4

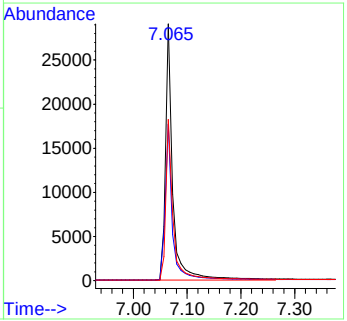


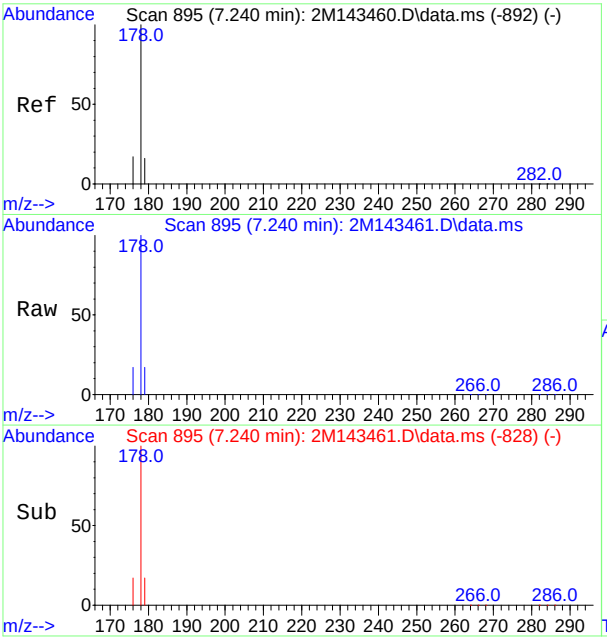


#21
Pentachlorophenol
Concen: 3068.38 ppb
RT: 7.065 min Scan# 873
Delta R.T. -0.000 min
Lab File: 2M143461.D
Acq: 18 Sep 2025 7:18 pm

Tgt Ion:266 Resp: 27500

Ion	Ratio	Lower	Upper
266	100		
264	60.9	35.4	95.4
268	62.7	30.0	90.0

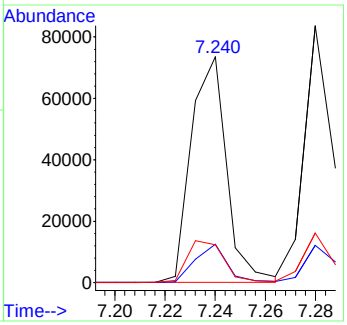


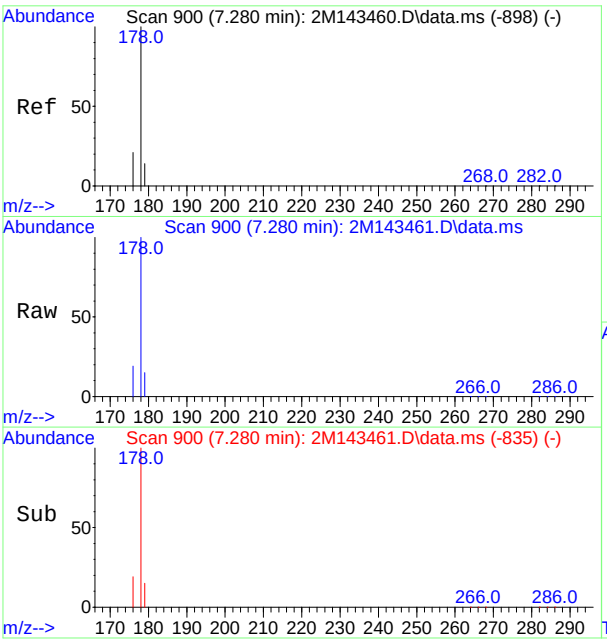


#22
Phenanthrene
Concen: 497.06 ppb
RT: 7.240 min Scan# 895
Delta R.T. -0.000 min
Lab File: 2M143461.D
Acq: 18 Sep 2025 7:18 pm

Tgt Ion:178 Resp: 72206

Ion	Ratio	Lower	Upper
178	100		
179	16.9	0.0	46.1
176	16.7	0.0	47.1

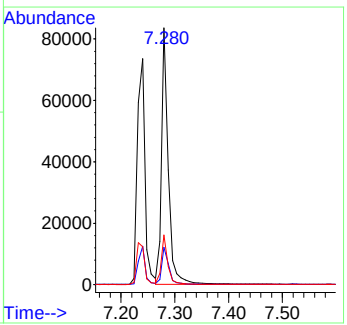




#23
Anthracene
Concen: 498.00 ppb
RT: 7.280 min Scan# 900
Delta R.T. -0.000 min
Lab File: 2M143461.D
Acq: 18 Sep 2025 7:18 pm

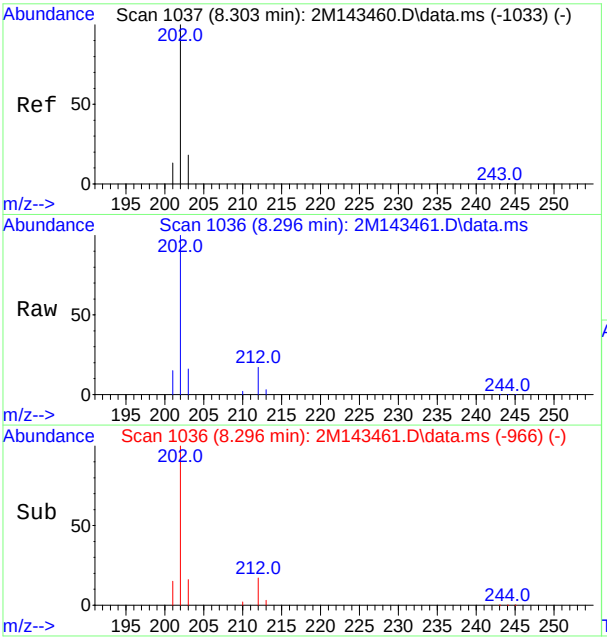
Tgt Ion:178 Resp: 73221

Ion	Ratio	Lower	Upper
178	100		
179	14.4	0.0	44.2
176	19.3	0.0	50.7



9.5.8

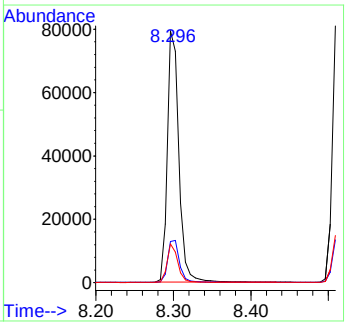
6

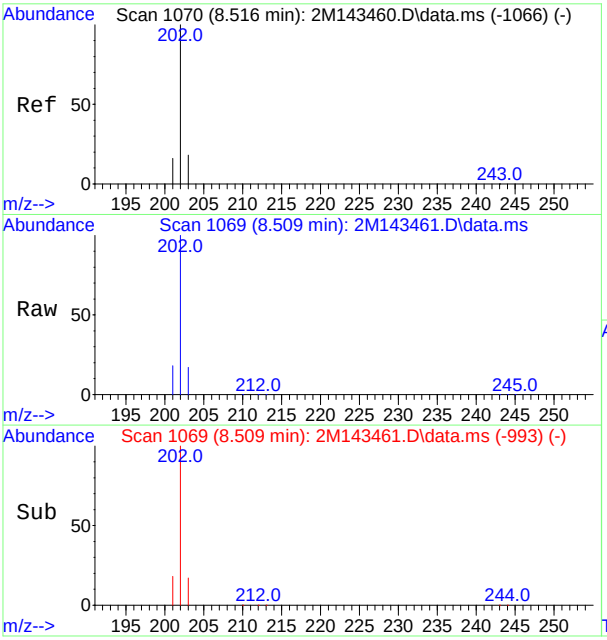


#24
Fluoranthene
Concen: 472.66 ppb
RT: 8.296 min Scan# 1036
Delta R.T. -0.007 min
Lab File: 2M143461.D
Acq: 18 Sep 2025 7:18 pm

Tgt Ion:202 Resp: 81105

Ion	Ratio	Lower	Upper
202	100		
203	16.2	0.0	47.9
201	15.4	0.0	43.2

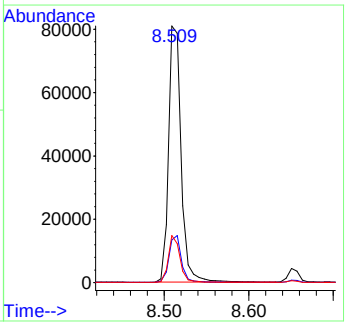




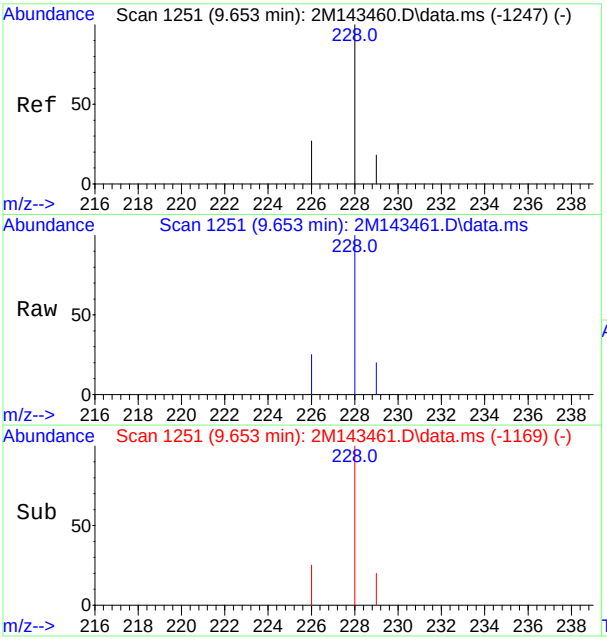
#25
Pyrene
Concen: 482.59 ppb
RT: 8.509 min Scan# 1069
Delta R.T. -0.007 min
Lab File: 2M143461.D
Acq: 18 Sep 2025 7:18 pm

Tgt Ion:202 Resp: 83380

Ion	Ratio	Lower	Upper
202	100		
203	16.6	0.0	48.3
201	18.2	0.0	46.1



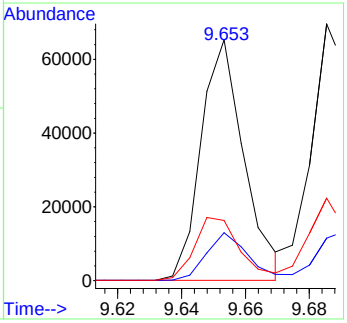
9.5.8
6

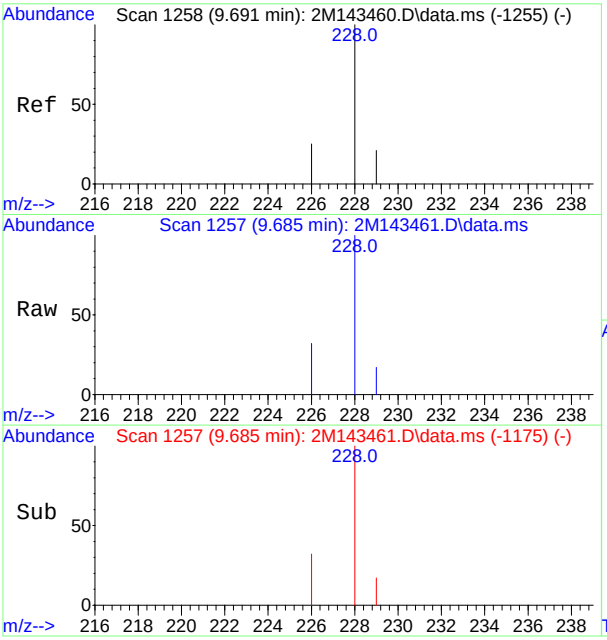


#27
Benzo[a]anthracene
Concen: 469.56 ppb
RT: 9.653 min Scan# 1251
Delta R.T. -0.000 min
Lab File: 2M143461.D
Acq: 18 Sep 2025 7:18 pm

Tgt Ion:228 Resp: 61064

Ion	Ratio	Lower	Upper
228	100		
229	19.8	0.0	48.4
226	24.8	0.0	56.5

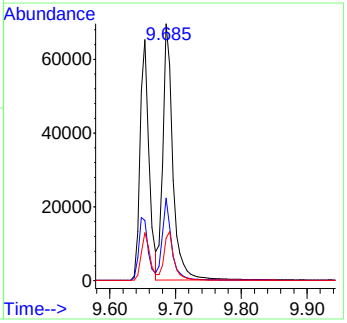




#28
Chrysene
Concen: 468.22 ppb
RT: 9.685 min Scan# 1257
Delta R.T. -0.006 min
Lab File: 2M143461.D
Acq: 18 Sep 2025 7:18 pm

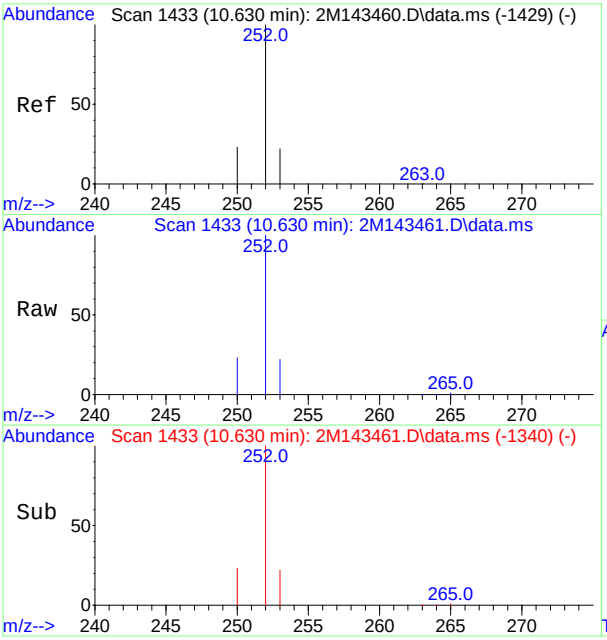
Tgt Ion:228 Resp: 73945

Ion	Ratio	Lower	Upper
228	100		
226	32.4	0.0	55.9
229	16.2	0.0	50.5



9.58

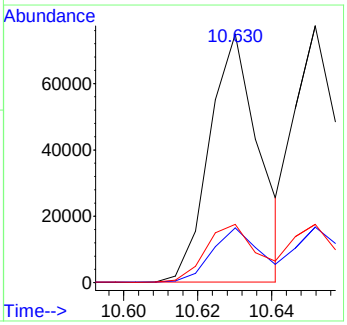
6

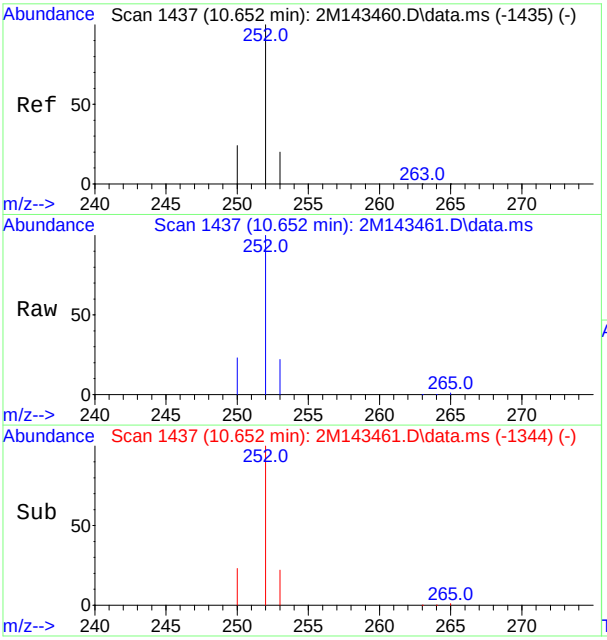


#30
Benzo[b]fluoranthene
Concen: 508.80 ppb
RT: 10.630 min Scan# 1433
Delta R.T. -0.000 min
Lab File: 2M143461.D
Acq: 18 Sep 2025 7:18 pm

Tgt Ion:252 Resp: 69726

Ion	Ratio	Lower	Upper
252	100		
253	21.9	0.0	52.3
250	22.9	0.0	52.9

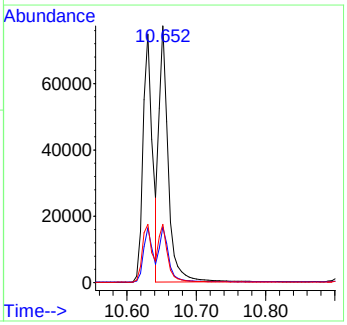


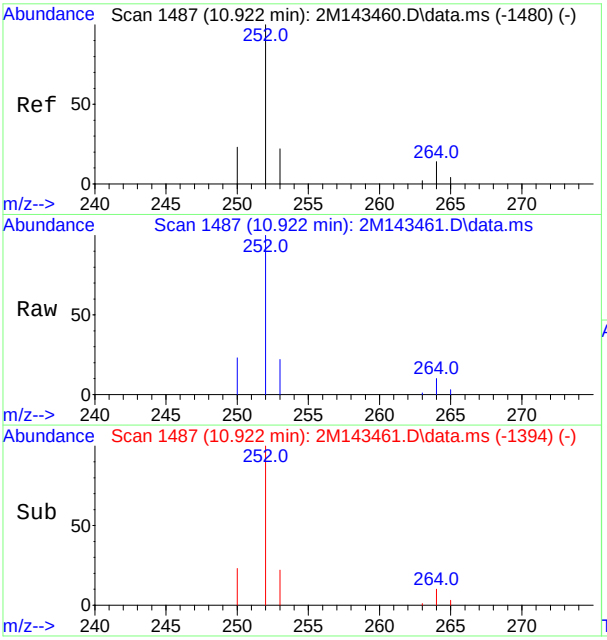


#31
Benzo[k]fluoranthene
Concen: 453.70 ppb
RT: 10.652 min Scan# 1437
Delta R.T. -0.000 min
Lab File: 2M143461.D
Acq: 18 Sep 2025 7:18 pm

Tgt Ion:252 Resp: 71798

Ion	Ratio	Lower	Upper
252	100		
253	21.5	0.0	51.6
250	22.0	0.0	54.5

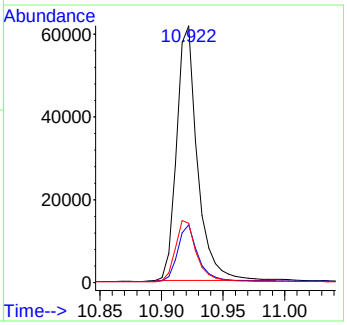


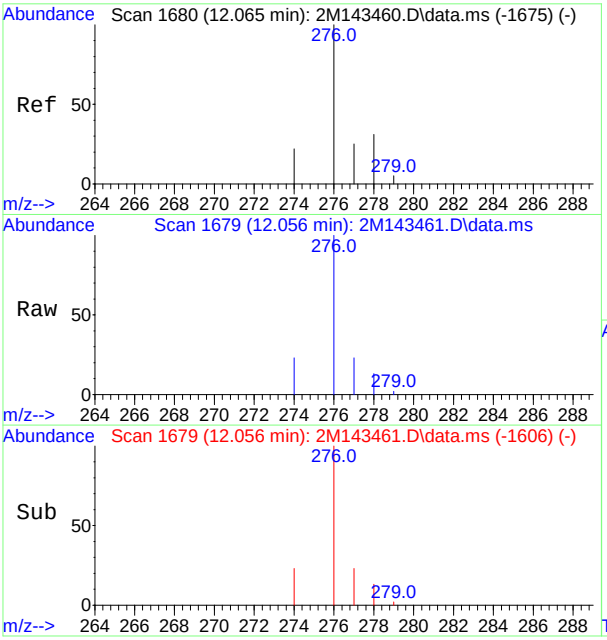


#32
Benzo[a]pyrene
Concen: 477.12 ppb
RT: 10.922 min Scan# 1487
Delta R.T. -0.000 min
Lab File: 2M143461.D
Acq: 18 Sep 2025 7:18 pm

Tgt Ion:252 Resp: 72041

Ion	Ratio	Lower	Upper
252	100		
253	22.1	0.0	52.4
250	22.9	0.0	53.4

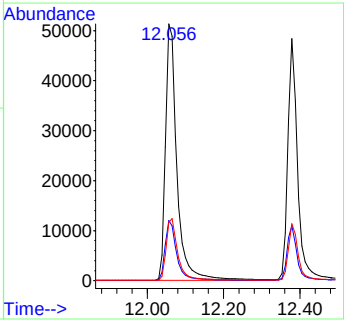


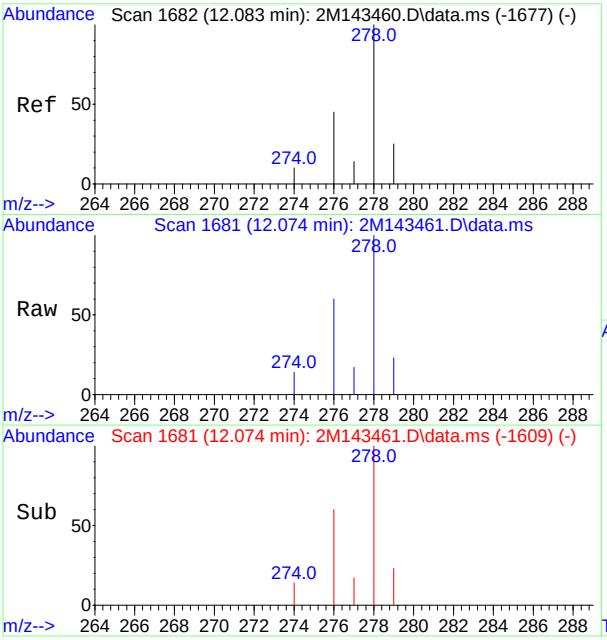


#33
Indeno[1,2,3-cd]pyrene
Concen: 523.79 ppb
RT: 12.056 min Scan# 1679
Delta R.T. -0.009 min
Lab File: 2M143461.D
Acq: 18 Sep 2025 7:18 pm

Tgt Ion:276 Resp: 106599

Ion	Ratio	Lower	Upper
276	100		
274	23.3	0.0	52.2
277	22.6	0.0	54.9

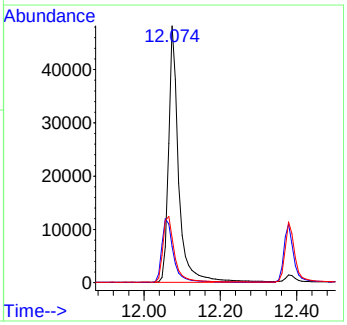


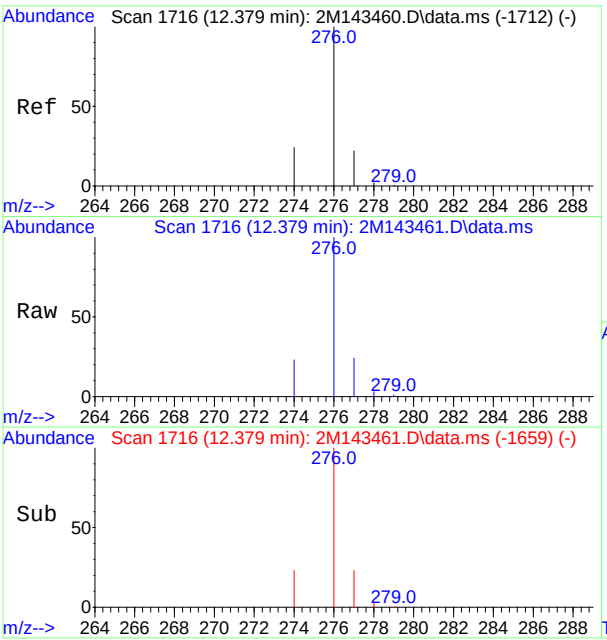


#34
Dibenz[a,h]anthracene
Concen: 534.90 ppb
RT: 12.074 min Scan# 1681
Delta R.T. -0.009 min
Lab File: 2M143461.D
Acq: 18 Sep 2025 7:18 pm

Tgt Ion:278 Resp: 88541

Ion	Ratio	Lower	Upper
278	100		
274	13.8	0.0	40.7
277	17.2	0.0	44.0

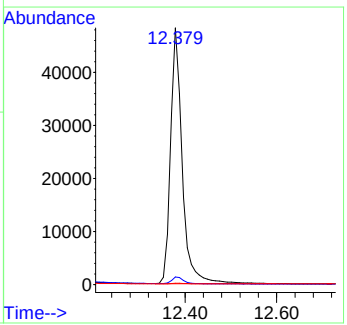




#35
Benzo[g,h,i]perylene
Concen: 515.19 ppb
RT: 12.379 min Scan# 1716
Delta R.T. -0.000 min
Lab File: 2M143461.D
Acq: 18 Sep 2025 7:18 pm

Tgt Ion:276 Resp: 85479

Ion	Ratio	Lower	Upper
276	100		
278	2.6	0.0	32.2
279	0.2	0.0	30.1



Manual Integration Approval Summary

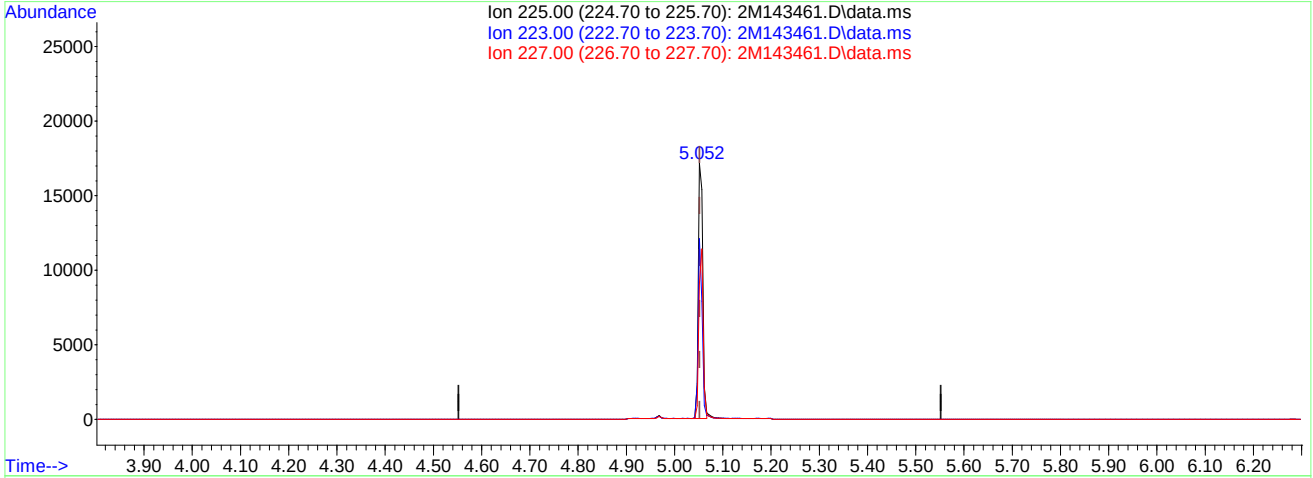
Sample Number: E2M6496-IC6496
Lab FileID: 2M143461.D
Injection Time: 09/18/25 19:18
Method: SW846 8270E BY SIM
Analyst approved: 09/19/25 10:52 Ying Li
Supervisor approved: 09/19/25 11:26 Jon Kreigmor Mamanta

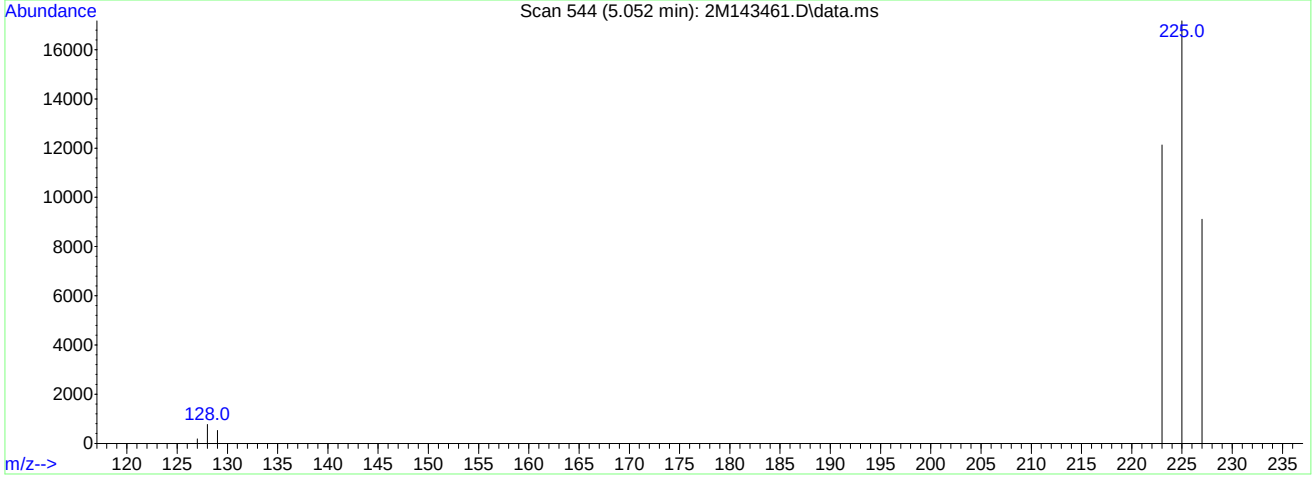
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexachlorobutadiene	87-68-3		5.05	Poor instrument integration
Acenaphthylene	208-96-8		5.97	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143461.D
Acq On : 18 Sep 2025 7:18 pm
Operator : rocquans
Sample : ic6496-0.5
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 19 09:59:38 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 09:56:26 2025
Response via : Initial Calibration





TIC: 2M143461.D\data.ms

(8) Hexachlorobutadiene (t)

5.052min (-0.000) 476.87ppb

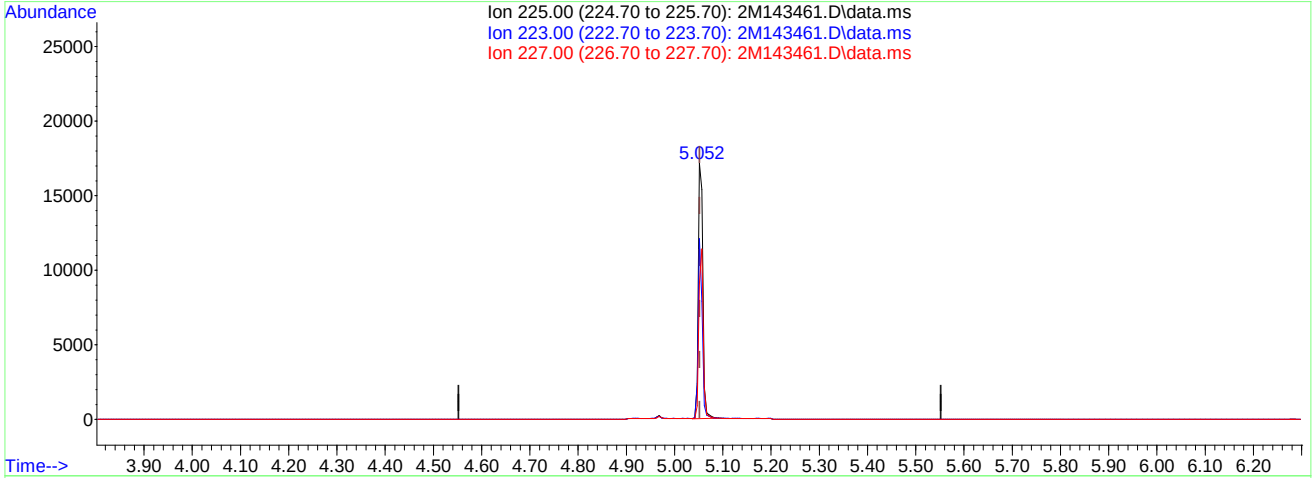
response 11020

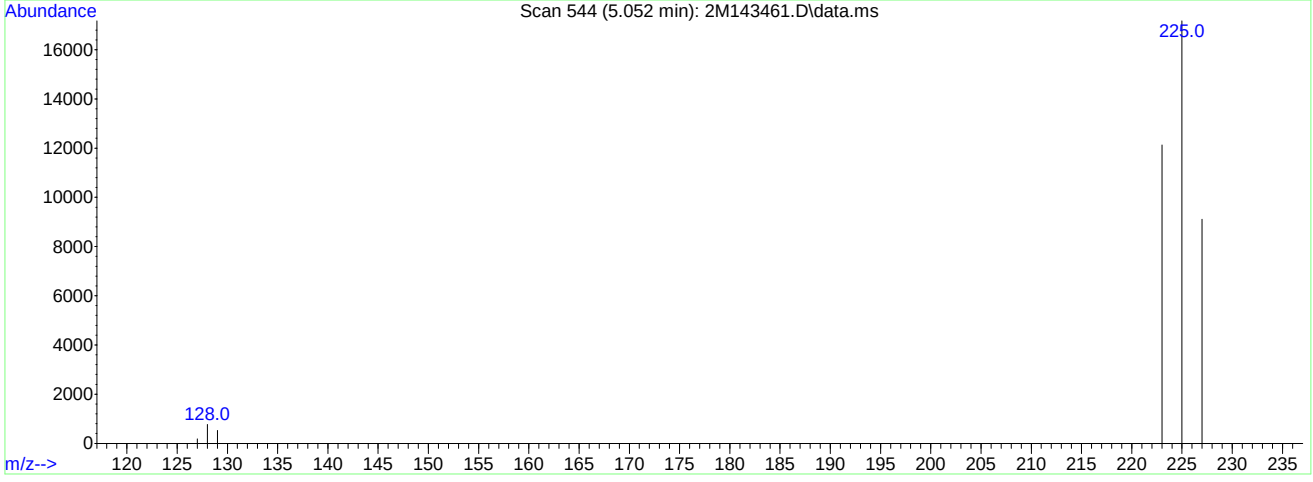
Ion	Exp%	Act%
225.00	100	100
223.00	70.10	70.62
227.00	53.20	52.66
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143461.D
Acq On : 18 Sep 2025 7:18 pm
Operator : rocquans
Sample : ic6496-0.5
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 19 09:59:38 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 09:56:26 2025
Response via : Initial Calibration





TIC: 2M143461.D\data.ms

(8) Hexachlorobutadiene (t)

5.052min (-0.000) 482.84ppb m

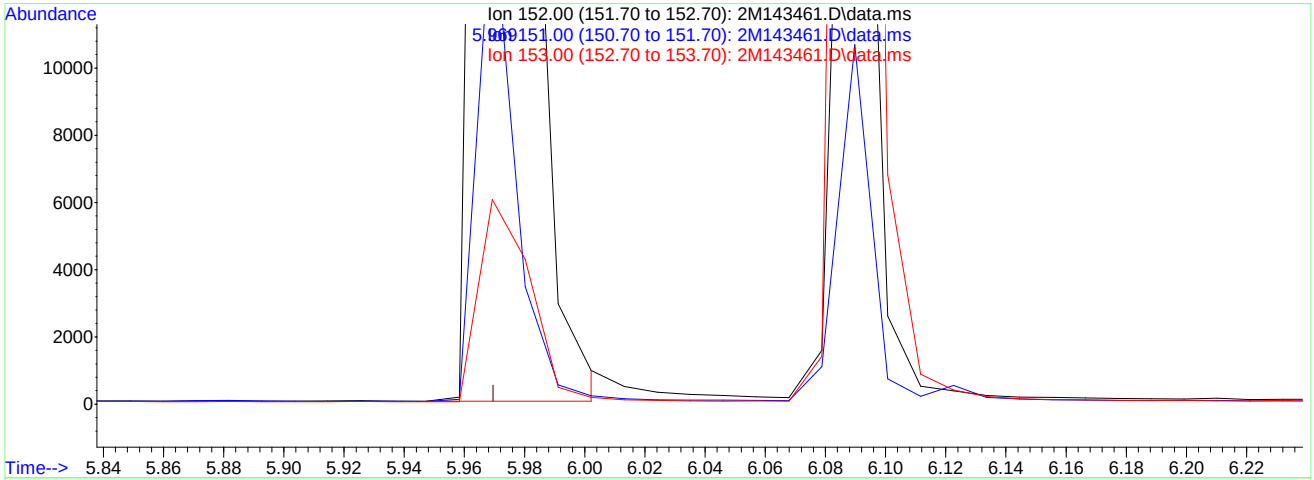
response 11158

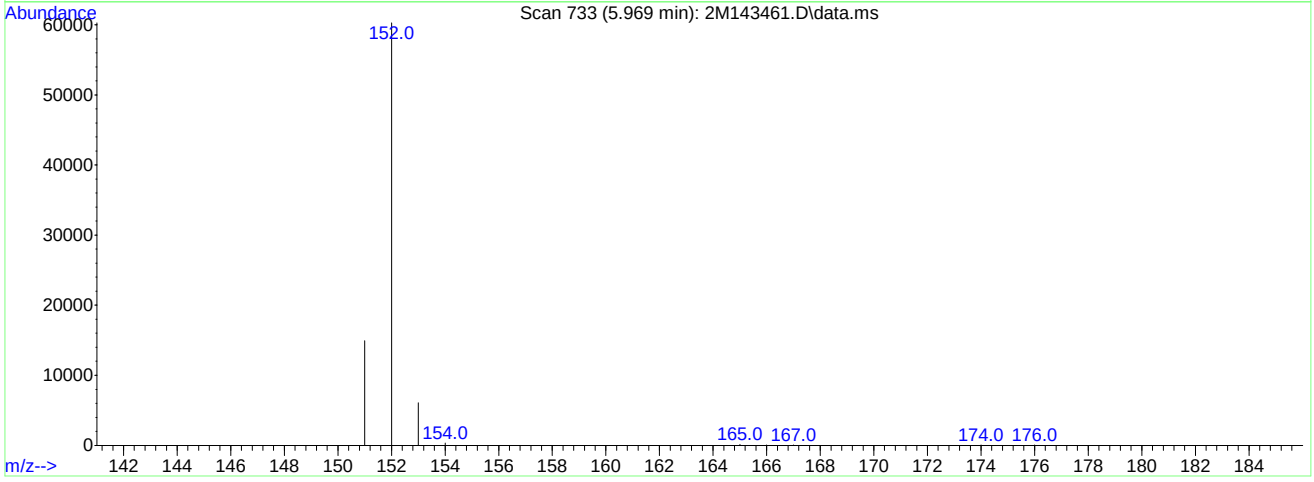
Ion	Exp%	Act%
225.00	100	100
223.00	70.10	70.61
227.00	53.20	53.03
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143461.D
Acq On : 18 Sep 2025 7:18 pm
Operator : rocquans
Sample : ic6496-0.5
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 19 09:59:38 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 09:56:26 2025
Response via : Initial Calibration





TIC: 2M143461.D\data.ms

(14) Acenaphthylene (t)

5.969min (-0.000) 506.86ppb

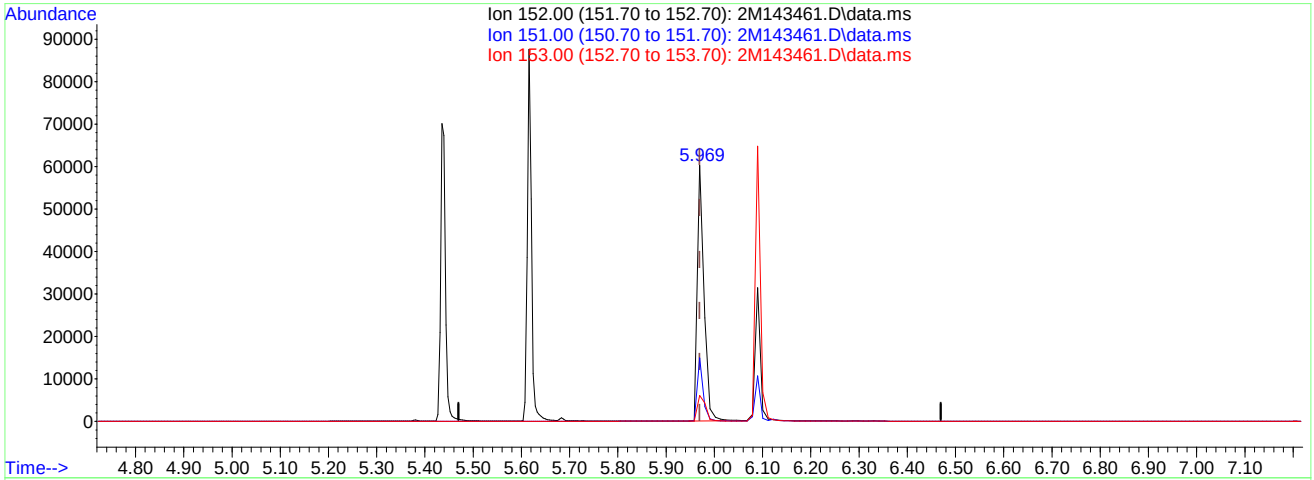
response 58134

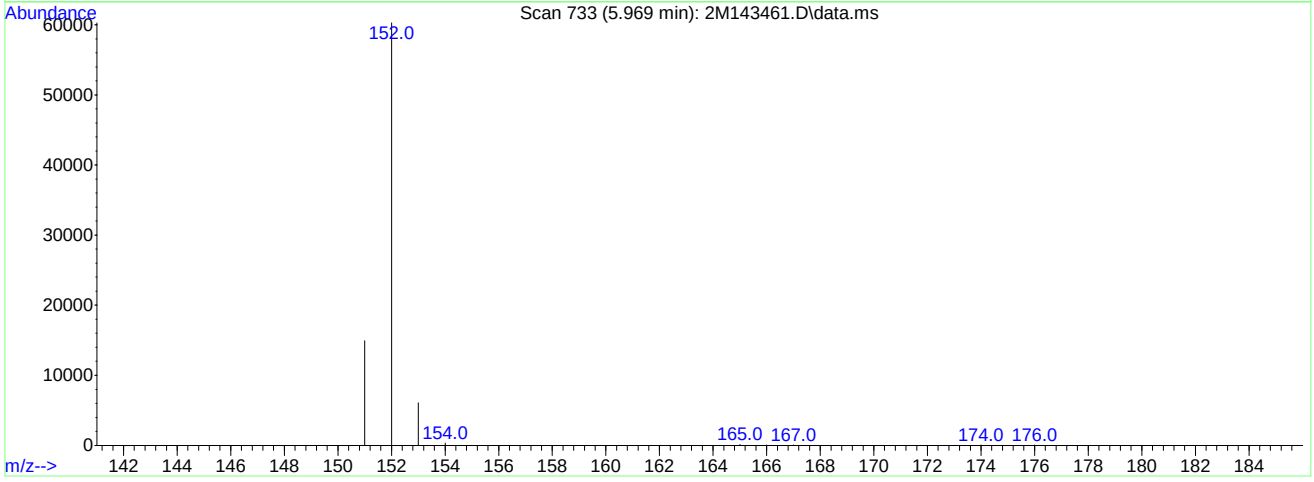
Ion	Exp%	Act%
152.00	100	100
151.00	25.90	24.73
153.00	9.60	9.97
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143461.D
Acq On : 18 Sep 2025 7:18 pm
Operator : rocquans
Sample : ic6496-0.5
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 19 09:59:38 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 09:56:26 2025
Response via : Initial Calibration





TIC: 2M143461.D\data.ms

(14) Acenaphthylene (t)

5.969min (-0.000) 510.31ppb m

response 58530

Ion	Exp%	Act%
152.00	100	100
151.00	25.90	24.77
153.00	9.60	10.10
0.00	0.00	0.00

Manual Integrations APPROVED
(compounds with "m" flag)
Jon Kreigmor Mamanta
09/19/25 11:26

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143462.D
Acq On : 18 Sep 2025 7:39 pm
Operator : rocquans
Sample : ic6496-1
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 19 10:07:17 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 09:56:26 2025
Response via : Initial Calibration

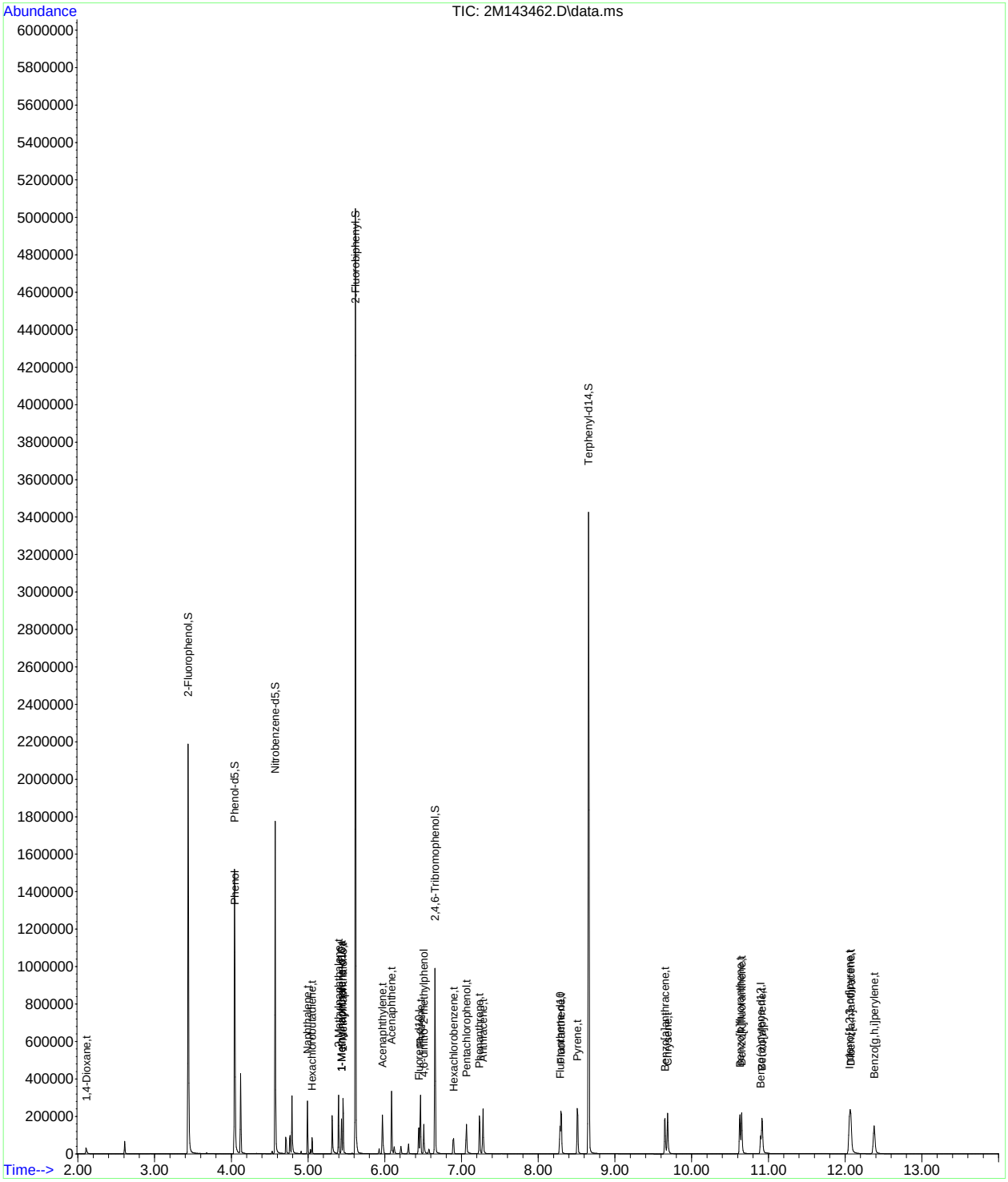
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1-Methylnaphthalene-d10	5.436	150	44010	800.00	ppb		0.00
12) Fluorene-d10	6.446	176	60406	800.00	ppb		0.00
19) Fluoranthene-d10	8.283	212	98600	800.00	ppb		0.00
29) Benzo(a)pyrene-d12	10.901	264	80501	800.00	ppb		0.00
36) 1-Methylnaphthalene-d10a	5.436	150	44010	800.00	ppb		0.00
System Monitoring Compounds							
3) 2-Fluorophenol	3.437	112	681695	19130.68	ppb		0.00
Spiked Amount 10000.000			Recovery = 191.31%				
4) Phenol-d5	4.041	99	814625	20075.21	ppb		0.00
Spiked Amount 10000.000			Recovery = 200.75%				
6) Nitrobenzene-d5	4.573	82	739171	19459.46	ppb		0.00
Spiked Amount 10000.000			Recovery = 194.59%				
13) 2-Fluorobiphenyl	5.616	172	1862132	18995.02	ppb		0.00
Spiked Amount 10000.000			Recovery = 189.95%				
18) 2,4,6-Tribromophenol	6.655	330	286075	20995.48	ppb		0.00
Spiked Amount 10000.000			Recovery = 209.95%				
26) Terphenyl-d14	8.657	244	1993543	19051.15	ppb		0.00
Spiked Amount 10000.000			Recovery = 190.51%				
Target Compounds							Qvalue
2) 1,4-Dioxane	2.111	88	14267	932.73	ppb		97
5) Phenol	4.047	94	225650	4759.21	ppb	#	87
7) Naphthalene	4.993	128	122889	963.37	ppb		98
8) Hexachlorobutadiene	5.052	225	22277m	967.52	ppb		
9) 2-Methylnaphthalene	5.398	141	76424	984.07	ppb		96
10) 1-Methylnaphthalene	5.457	141	73766	936.45	ppb		90
14) Acenaphthylene	5.970	152	126371	1130.50	ppb		95
15) Acenaphthene	6.090	153	98159	1010.12	ppb		88
16) Fluorene	6.465	166	100636	962.18	ppb		96
17) 4,6-dinitro-2-methylph...	6.509	198	68151	7189.63	ppb		96
20) Hexachlorobenzene	6.898	284	32607	972.42	ppb		96
21) Pentachlorophenol	7.065	266	66108	7545.46	ppb		89
22) Phenanthrene	7.232	178	146447	1031.27	ppb		91
23) Anthracene	7.280	178	146547	1019.60	ppb		97
24) Fluoranthene	8.296	202	162156	966.70	ppb		95
25) Pyrene	8.509	202	169120	1001.31	ppb		96
27) Benzo[a]anthracene	9.653	228	129513	1018.76	ppb		94
28) Chrysene	9.686	228	147277	953.96	ppb		91
30) Benzo[b]fluoranthene	10.630	252	143193	1096.14	ppb		98
31) Benzo[k]fluoranthene	10.652	252	134836	893.83	ppb		96
32) Benzo[a]pyrene	10.917	252	141770	984.96	ppb		96
33) Indeno[1,2,3-cd]pyrene	12.056	276	215671	1111.70	ppb		97
34) Dibenz[a,h]anthracene	12.074	278	179805	1139.50	ppb		99
35) Benzo[g,h,i]perylene	12.379	276	175009	1106.51	ppb		99

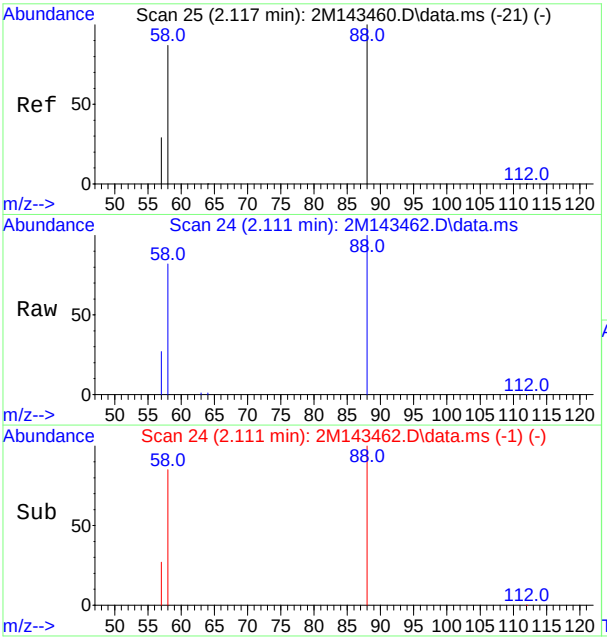
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143462.D
Acq On : 18 Sep 2025 7:39 pm
Operator : rocquans
Sample : ic6496-1
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 19 10:07:17 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 09:56:26 2025
Response via : Initial Calibration

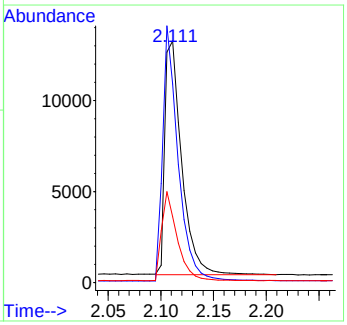


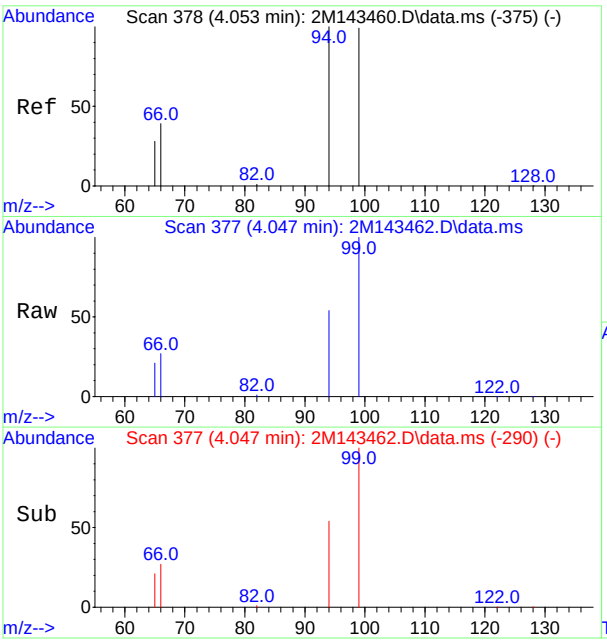


#2
1,4-Dioxane
Concen: 932.73 ppb
RT: 2.111 min Scan# 24
Delta R.T. -0.005 min
Lab File: 2M143462.D
Acq: 18 Sep 2025 7:39 pm

Tgt Ion: 88 Resp: 14267

Ion	Ratio	Lower	Upper
88	100		
58	84.3	66.8	106.8
57	27.3	8.9	48.9

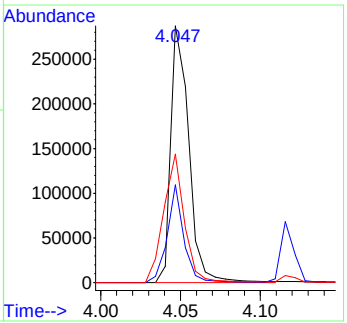


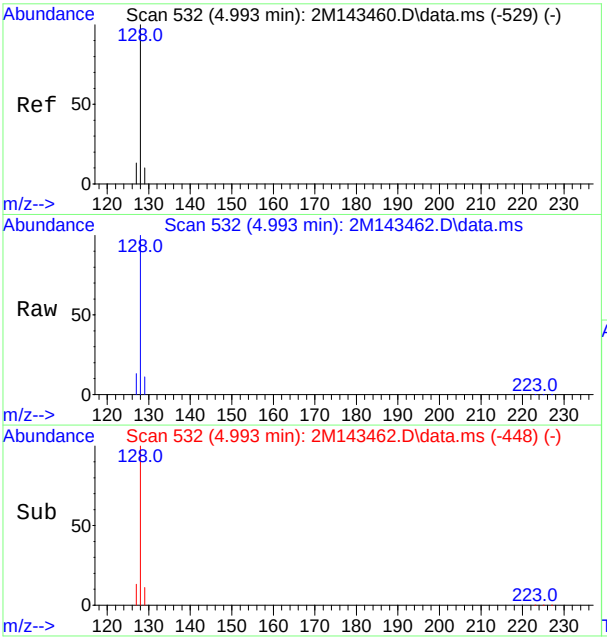


#5
Phenol
Concen: 4759.21 ppb
RT: 4.047 min Scan# 377
Delta R.T. -0.006 min
Lab File: 2M143462.D
Acq: 18 Sep 2025 7:39 pm

Tgt Ion: 94 Resp: 225650

Ion	Ratio	Lower	Upper
94	100		
65	36.2	22.2	33.2#
66	45.3	31.2	46.8

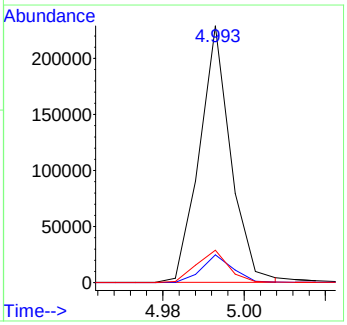


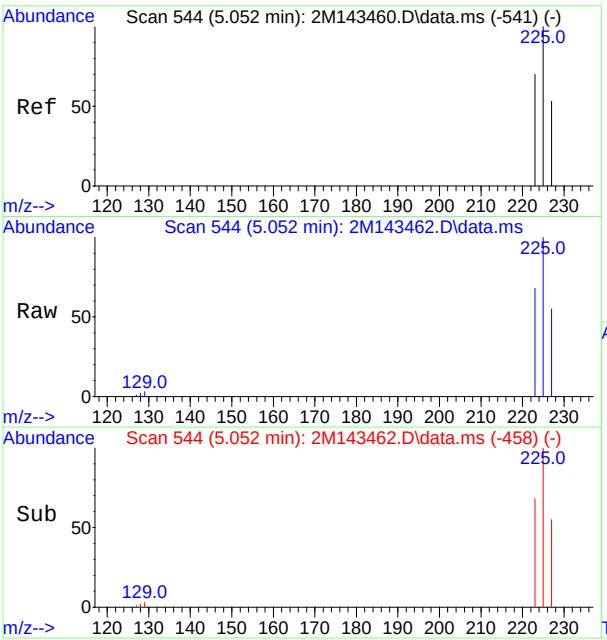


#7
Naphthalene
Concen: 963.37 ppb
RT: 4.993 min Scan# 532
Delta R.T. -0.000 min
Lab File: 2M143462.D
Acq: 18 Sep 2025 7:39 pm

Tgt Ion:128 Resp: 122889

Ion	Ratio	Lower	Upper
128	100		
129	10.8	0.0	40.0
127	12.6	0.0	43.4

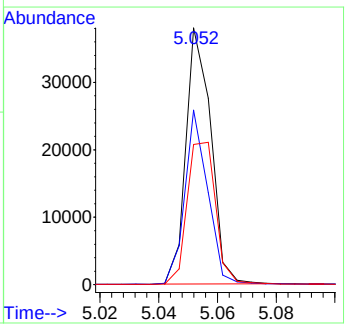


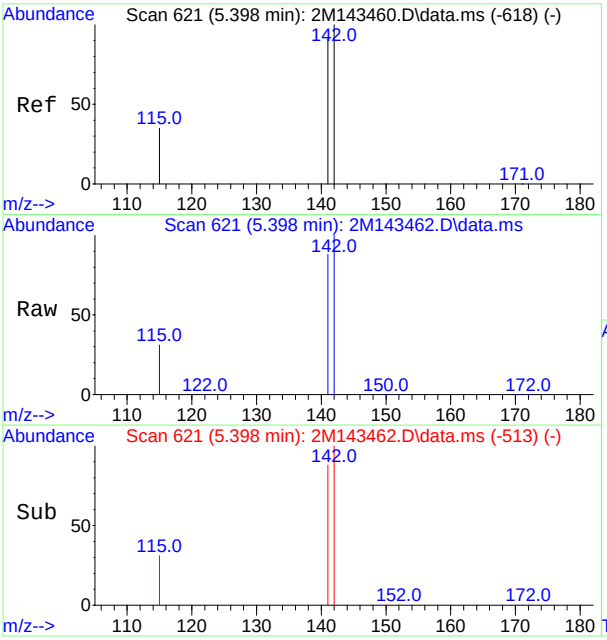


#8
Hexachlorobutadiene
Concen: 967.52 ppb m
RT: 5.052 min Scan# 544
Delta R.T. -0.000 min
Lab File: 2M143462.D
Acq: 18 Sep 2025 7:39 pm

Tgt Ion:225 Resp: 22277

Ion	Ratio	Lower	Upper
225	100		
223	67.9	40.1	100.1
227	54.6	23.2	83.2

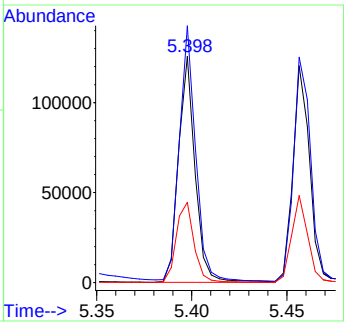


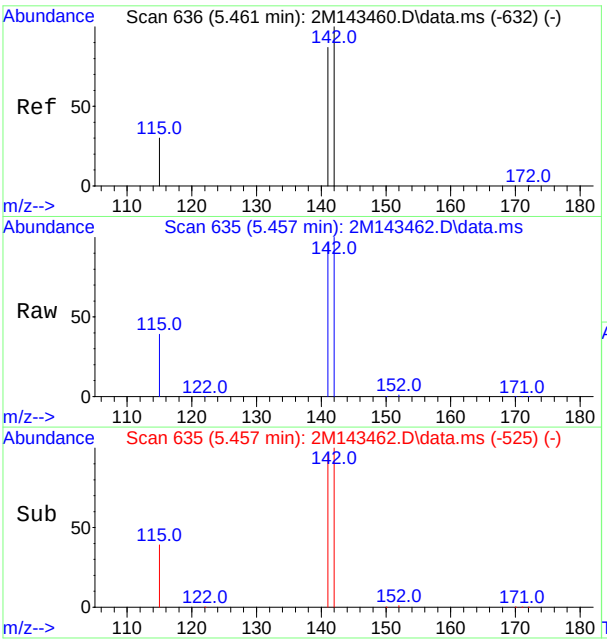


#9
2-Methylnaphthalene
Concen: 984.07 ppb
RT: 5.398 min Scan# 621
Delta R.T. 0.000 min
Lab File: 2M143462.D
Acq: 18 Sep 2025 7:39 pm

Tgt Ion:141 Resp: 76424

Ion	Ratio	Lower	Upper
141	100		
142	113.1	79.2	139.2
115	35.5	8.0	68.0

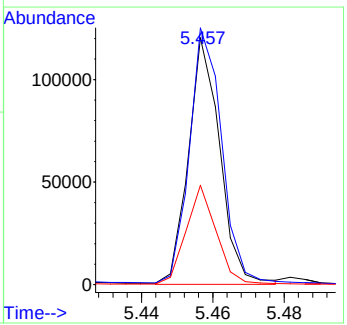


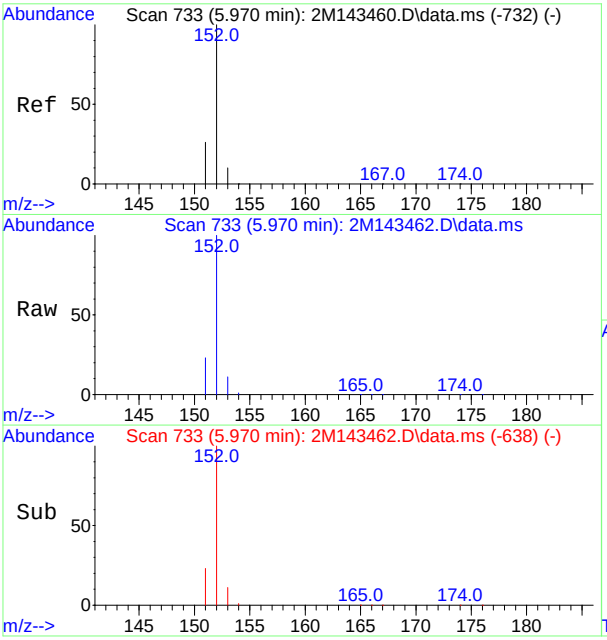


#10
1-Methylnaphthalene
Concen: 936.45 ppb
RT: 5.457 min Scan# 635
Delta R.T. -0.004 min
Lab File: 2M143462.D
Acq: 18 Sep 2025 7:39 pm

Tgt Ion:141 Resp: 73766

Ion	Ratio	Lower	Upper
141	100		
142	104.3	85.6	145.6
115	40.4	4.2	64.2

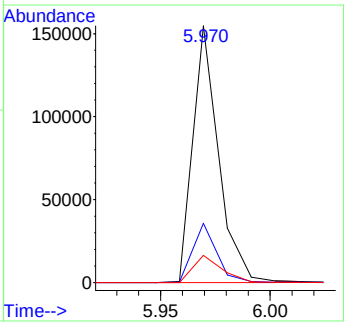


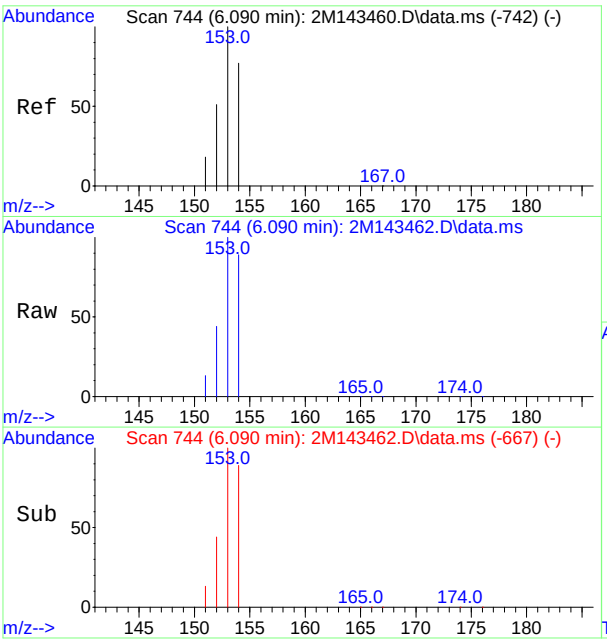


#14
Acenaphthylene
Concen: 1130.50 ppb
RT: 5.970 min Scan# 733
Delta R.T. -0.000 min
Lab File: 2M143462.D
Acq: 18 Sep 2025 7:39 pm

Tgt Ion:152 Resp: 126371

Ion	Ratio	Lower	Upper
152	100		
151	23.1	0.0	55.9
153	10.6	0.0	39.6

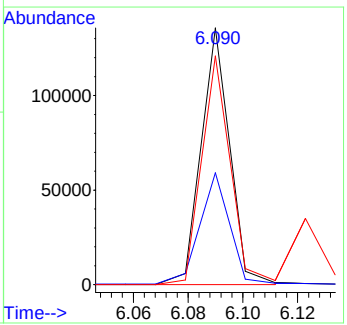


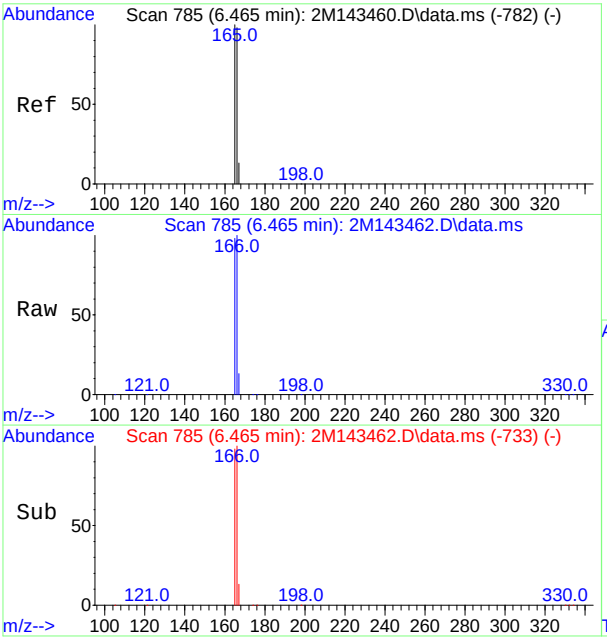


#15
Acenaphthene
Concen: 1010.12 ppb
RT: 6.090 min Scan# 744
Delta R.T. -0.000 min
Lab File: 2M143462.D
Acq: 18 Sep 2025 7:39 pm

Tgt Ion:153 Resp: 98159

Ion	Ratio	Lower	Upper
153	100		
152	43.4	20.8	80.8
154	88.5	47.0	107.0

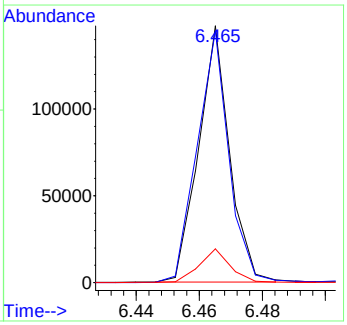


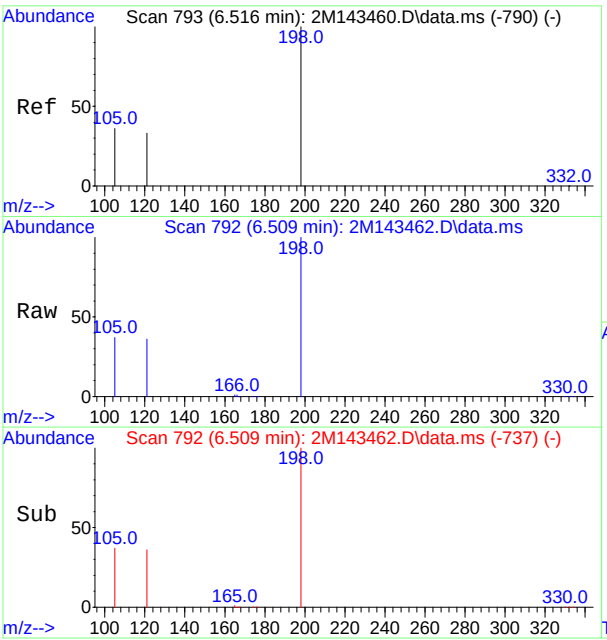


#16
Fluorene
Concen: 962.18 ppb
RT: 6.465 min Scan# 785
Delta R.T. -0.000 min
Lab File: 2M143462.D
Acq: 18 Sep 2025 7:39 pm

Tgt Ion:166 Resp: 100636

Ion	Ratio	Lower	Upper
166	100		
165	98.1	72.1	132.1
167	13.1	0.0	43.0

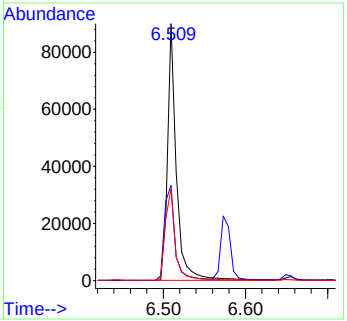


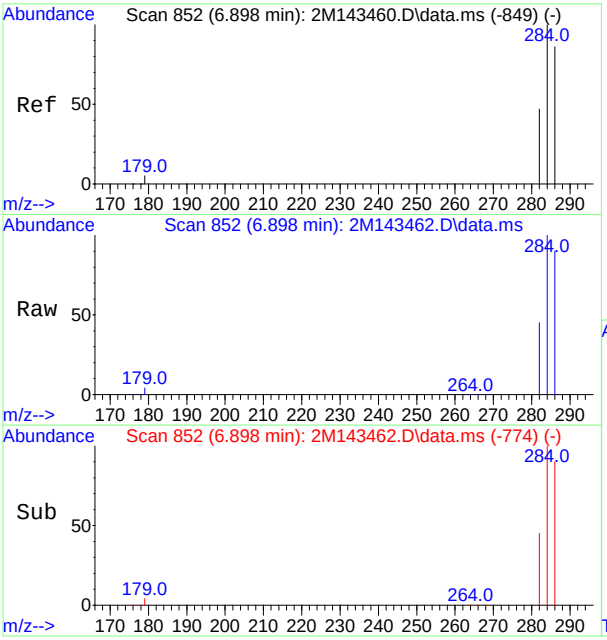


#17
4,6-dinitro-2-methylphenol
Concen: 7189.63 ppb
RT: 6.509 min Scan# 792
Delta R.T. -0.006 min
Lab File: 2M143462.D
Acq: 18 Sep 2025 7:39 pm

Tgt Ion:198 Resp: 68151

Ion	Ratio	Lower	Upper
198	100		
105	37.0	14.9	54.9
121	35.5	12.5	52.5

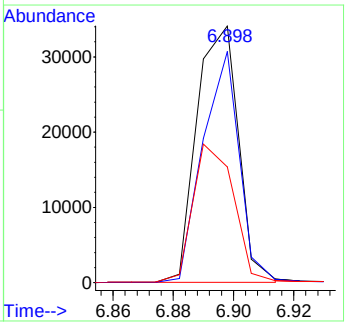


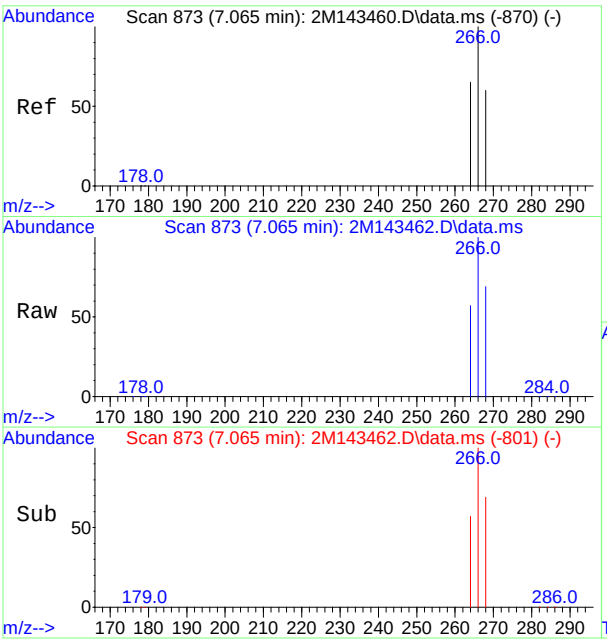


#20
Hexachlorobenzene
Concen: 972.42 ppb
RT: 6.898 min Scan# 852
Delta R.T. -0.000 min
Lab File: 2M143462.D
Acq: 18 Sep 2025 7:39 pm

Tgt Ion:284 Resp: 32607

Ion	Ratio	Lower	Upper
284	100		
286	90.0	55.8	115.8
282	44.9	17.4	77.4

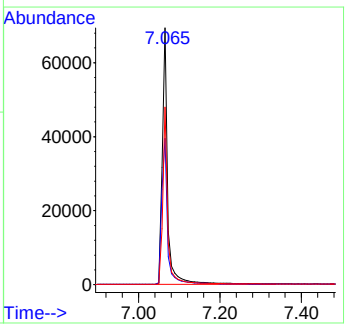


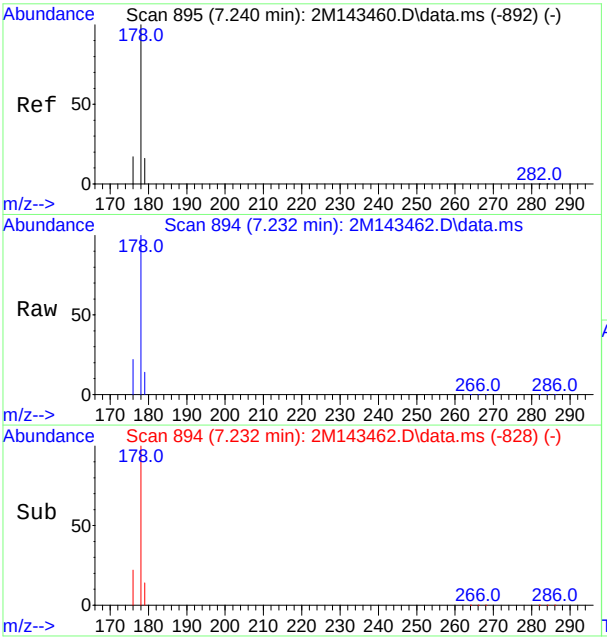


#21
Pentachlorophenol
Concen: 7545.46 ppb
RT: 7.065 min Scan# 873
Delta R.T. -0.000 min
Lab File: 2M143462.D
Acq: 18 Sep 2025 7:39 pm

Tgt Ion:266 Resp: 66108

Ion	Ratio	Lower	Upper
266	100		
264	56.8	35.4	95.4
268	69.1	30.0	90.0

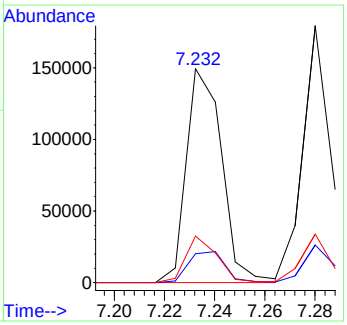


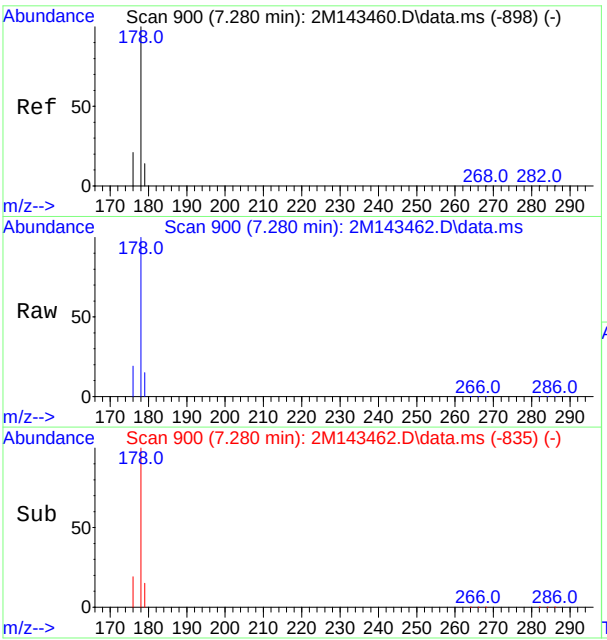


#22
Phenanthrene
Concen: 1031.27 ppb
RT: 7.232 min Scan# 894
Delta R.T. -0.008 min
Lab File: 2M143462.D
Acq: 18 Sep 2025 7:39 pm

Tgt Ion:178 Resp: 146447

Ion	Ratio	Lower	Upper
178	100		
179	13.5	0.0	46.1
176	21.8	0.0	47.1

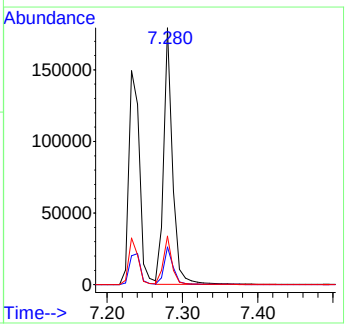


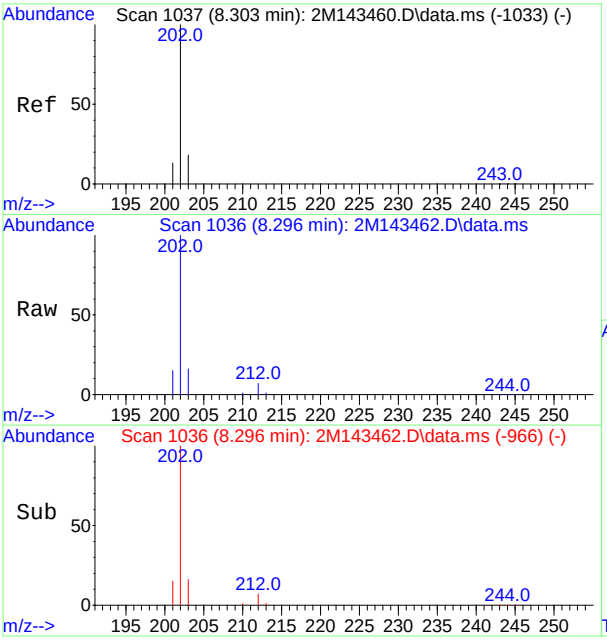


#23
Anthracene
Concen: 1019.60 ppb
RT: 7.280 min Scan# 900
Delta R.T. -0.000 min
Lab File: 2M143462.D
Acq: 18 Sep 2025 7:39 pm

Tgt Ion:178 Resp: 146547

Ion	Ratio	Lower	Upper
178	100		
179	14.7	0.0	44.2
176	18.8	0.0	50.7

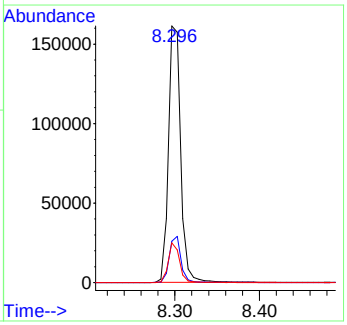


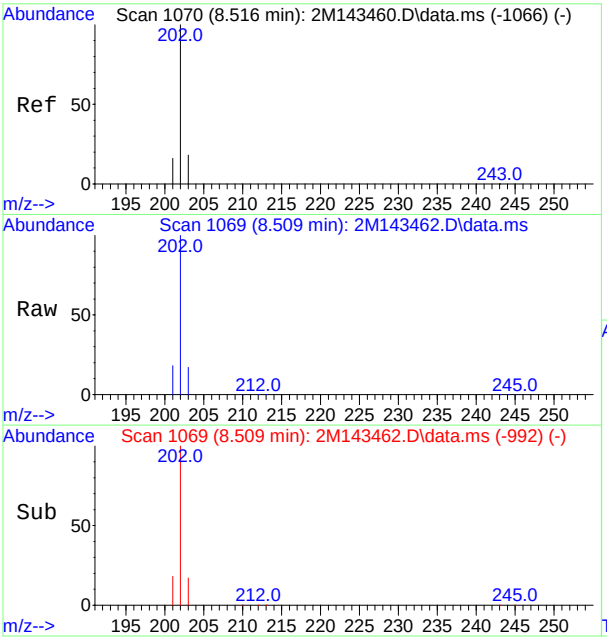


#24
Fluoranthene
Concen: 966.70 ppb
RT: 8.296 min Scan# 1036
Delta R.T. -0.006 min
Lab File: 2M143462.D
Acq: 18 Sep 2025 7:39 pm

Tgt Ion:202 Resp: 162156

Ion	Ratio	Lower	Upper
202	100		
203	16.1	0.0	47.9
201	15.5	0.0	43.2

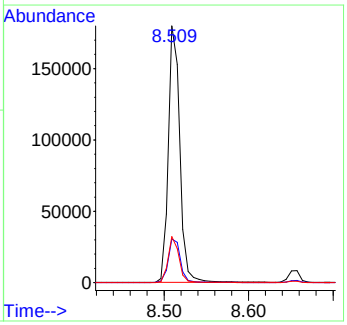


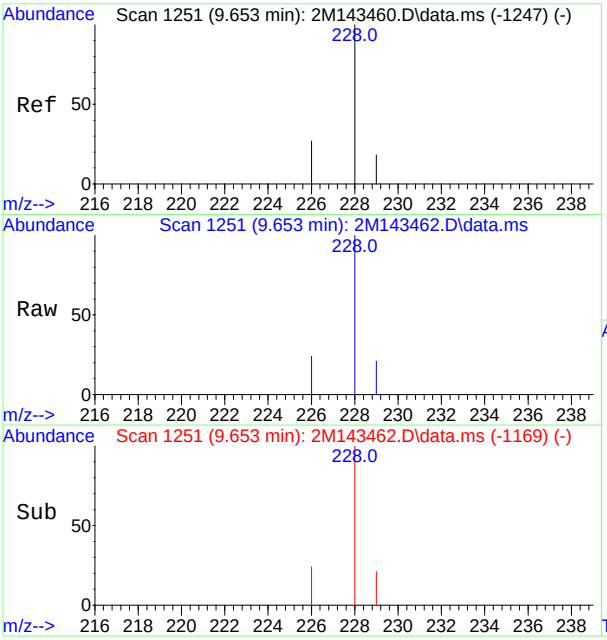


#25
Pyrene
Concen: 1001.31 ppb
RT: 8.509 min Scan# 1069
Delta R.T. -0.006 min
Lab File: 2M143462.D
Acq: 18 Sep 2025 7:39 pm

Tgt Ion:202 Resp: 169120

Ion	Ratio	Lower	Upper
202	100		
203	16.9	0.0	48.3
201	17.9	0.0	46.1

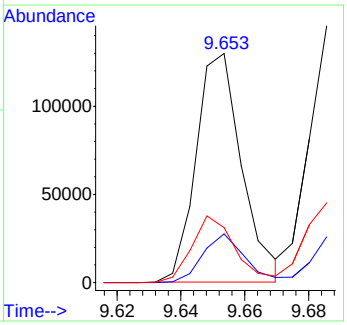


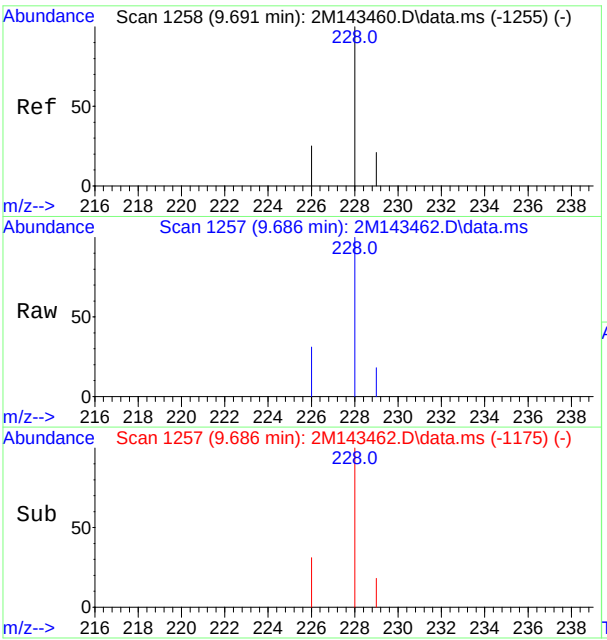


#27
Benzo[a]anthracene
Concen: 1018.76 ppb
RT: 9.653 min Scan# 1251
Delta R.T. -0.000 min
Lab File: 2M143462.D
Acq: 18 Sep 2025 7:39 pm

Tgt Ion:228 Resp: 129513

Ion	Ratio	Lower	Upper
228	100		
229	21.2	0.0	48.4
226	23.7	0.0	56.5

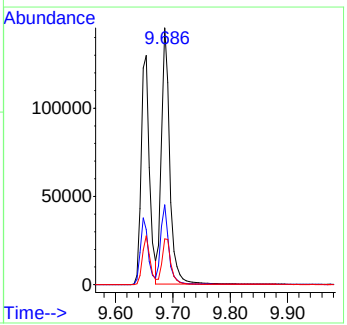




#28
Chrysene
Concen: 953.96 ppb
RT: 9.686 min Scan# 1257
Delta R.T. -0.005 min
Lab File: 2M143462.D
Acq: 18 Sep 2025 7:39 pm

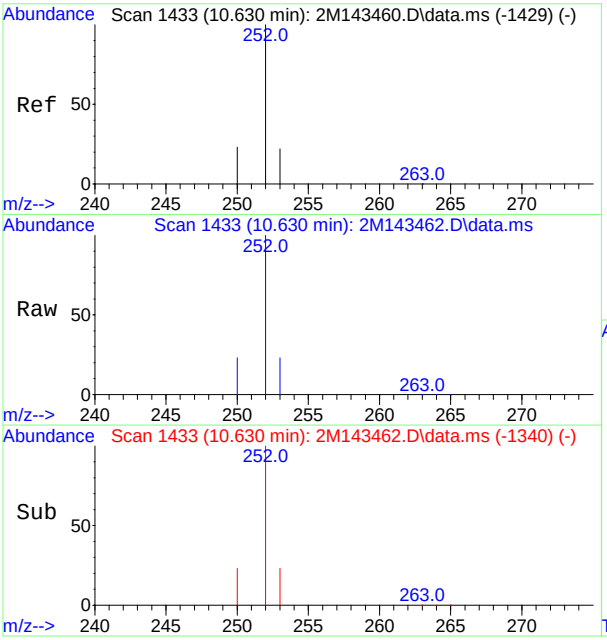
Tgt Ion:228 Resp: 147277

Ion	Ratio	Lower	Upper
228	100		
226	31.2	0.0	55.9
229	17.6	0.0	50.5



9.5.9

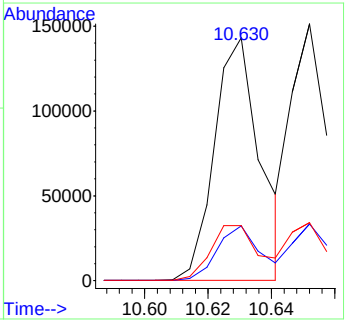
9

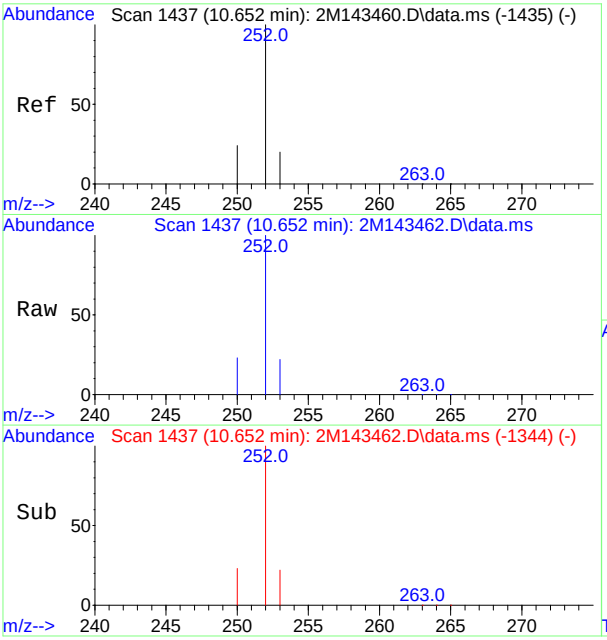


#30
Benzo[b]fluoranthene
Concen: 1096.14 ppb
RT: 10.630 min Scan# 1433
Delta R.T. 0.000 min
Lab File: 2M143462.D
Acq: 18 Sep 2025 7:39 pm

Tgt Ion:252 Resp: 143193

Ion	Ratio	Lower	Upper
252	100		
253	22.9	0.0	52.3
250	21.8	0.0	52.9

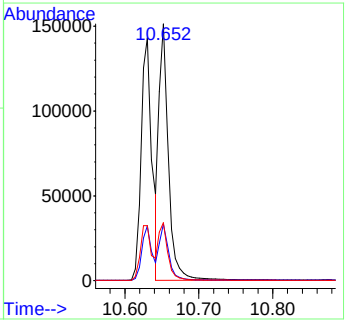


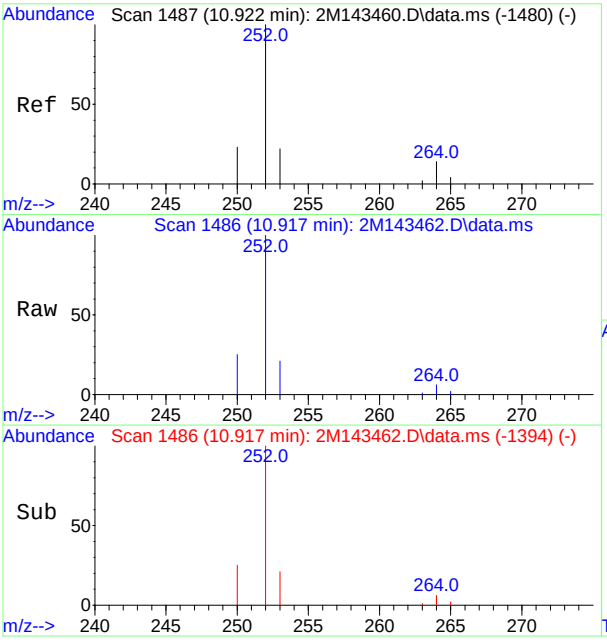


#31
Benzo[k]fluoranthene
Concen: 893.83 ppb
RT: 10.652 min Scan# 1437
Delta R.T. -0.000 min
Lab File: 2M143462.D
Acq: 18 Sep 2025 7:39 pm

Tgt Ion:252 Resp: 134836

Ion	Ratio	Lower	Upper
252	100		
253	22.3	0.0	51.6
250	21.8	0.0	54.5

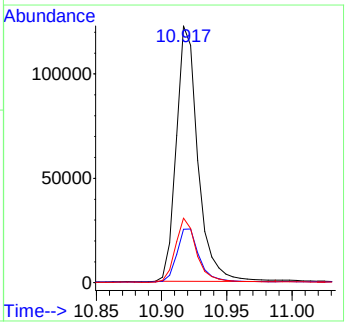


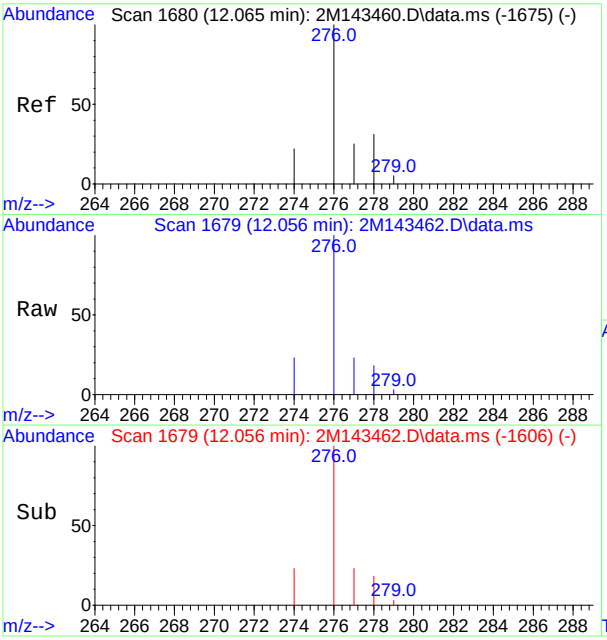


#32
Benzo[a]pyrene
Concen: 984.96 ppb
RT: 10.917 min Scan# 1486
Delta R.T. -0.005 min
Lab File: 2M143462.D
Acq: 18 Sep 2025 7:39 pm

Tgt Ion:252 Resp: 141770

Ion	Ratio	Lower	Upper
252	100		
253	20.6	0.0	52.4
250	25.1	0.0	53.4

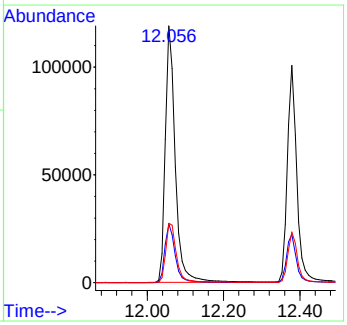


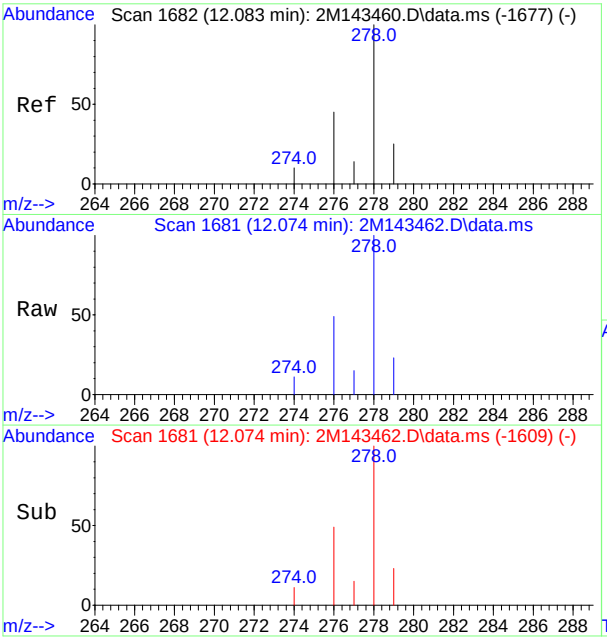


#33
Indeno[1,2,3-cd]pyrene
Concen: 1111.70 ppb
RT: 12.056 min Scan# 1679
Delta R.T. -0.009 min
Lab File: 2M143462.D
Acq: 18 Sep 2025 7:39 pm

Tgt Ion:276 Resp: 215671

Ion	Ratio	Lower	Upper
276	100		
274	22.9	0.0	52.2
277	23.1	0.0	54.9

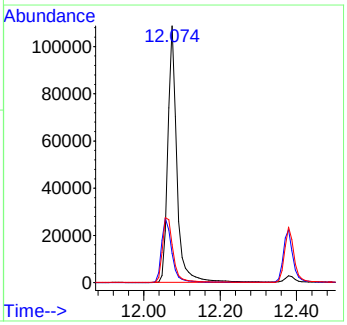


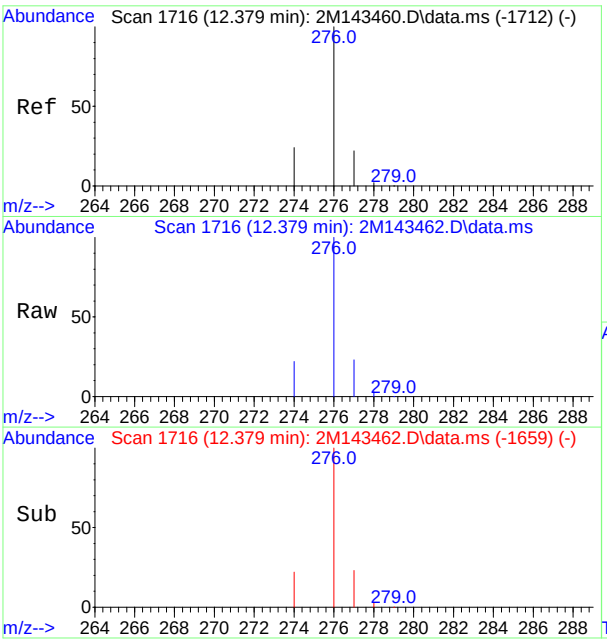


#34
Dibenz[a,h]anthracene
Concen: 1139.50 ppb
RT: 12.074 min Scan# 1681
Delta R.T. -0.009 min
Lab File: 2M143462.D
Acq: 18 Sep 2025 7:39 pm

Tgt Ion:278 Resp: 179805

Ion	Ratio	Lower	Upper
278	100		
274	11.1	0.0	40.7
277	14.5	0.0	44.0

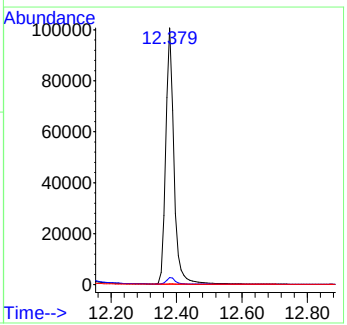




#35
Benzo[g,h,i]perylene
Concen: 1106.51 ppb
RT: 12.379 min Scan# 1716
Delta R.T. -0.000 min
Lab File: 2M143462.D
Acq: 18 Sep 2025 7:39 pm

Tgt Ion:276 Resp: 175009

Ion	Ratio	Lower	Upper
276	100		
278	2.6	0.0	32.2
279	0.2	0.0	30.1



Manual Integration Approval Summary

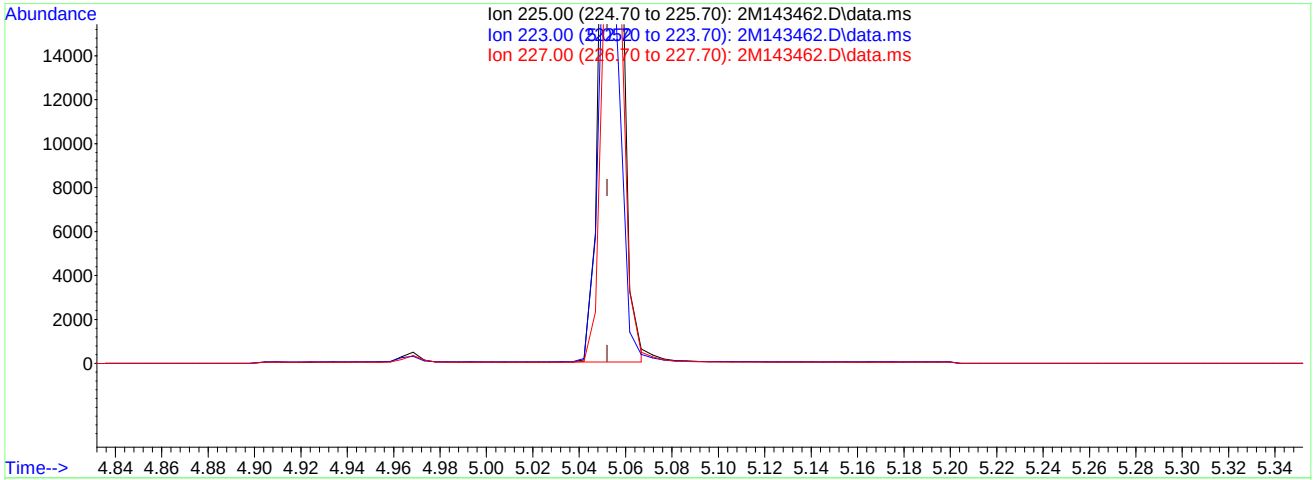
Sample Number: E2M6496-IC6496
Lab FileID: 2M143462.D
Injection Time: 09/18/25 19:39
Method: SW846 8270E BY SIM
Analyst approved: 09/19/25 10:52 Ying Li
Supervisor approved: 09/19/25 11:26 Jon Kreigmor Mamanta

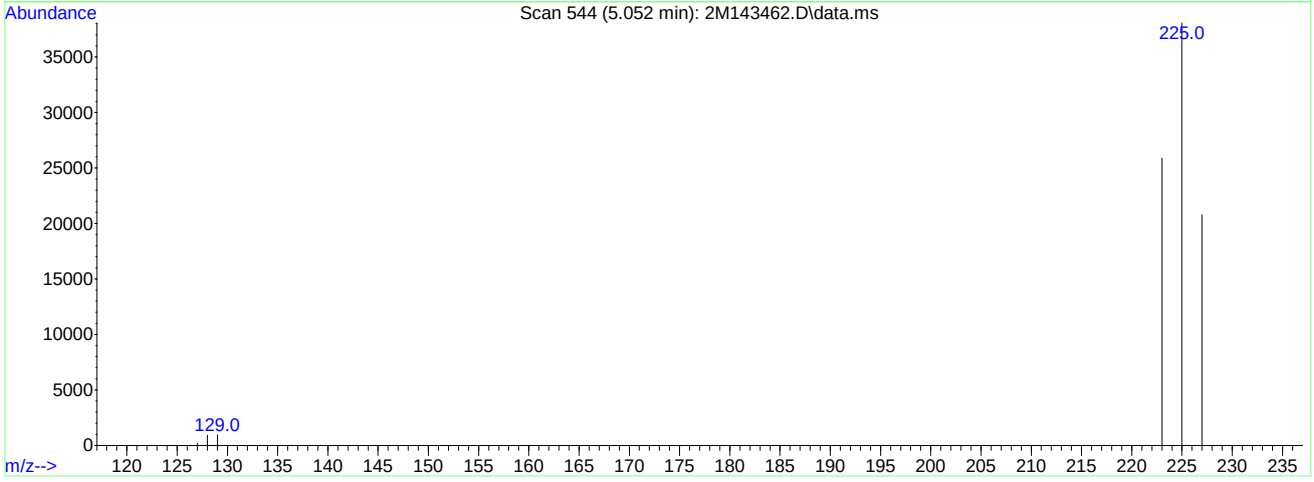
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexachlorobutadiene	87-68-3		5.05	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143462.D
Acq On : 18 Sep 2025 7:39 pm
Operator : rocquans
Sample : ic6496-1
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 19 10:00:32 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 09:56:26 2025
Response via : Initial Calibration





TIC: 2M143462.D\data.ms

(8) Hexachlorobutadiene (t)

5.052min (-0.000) 967.65ppb

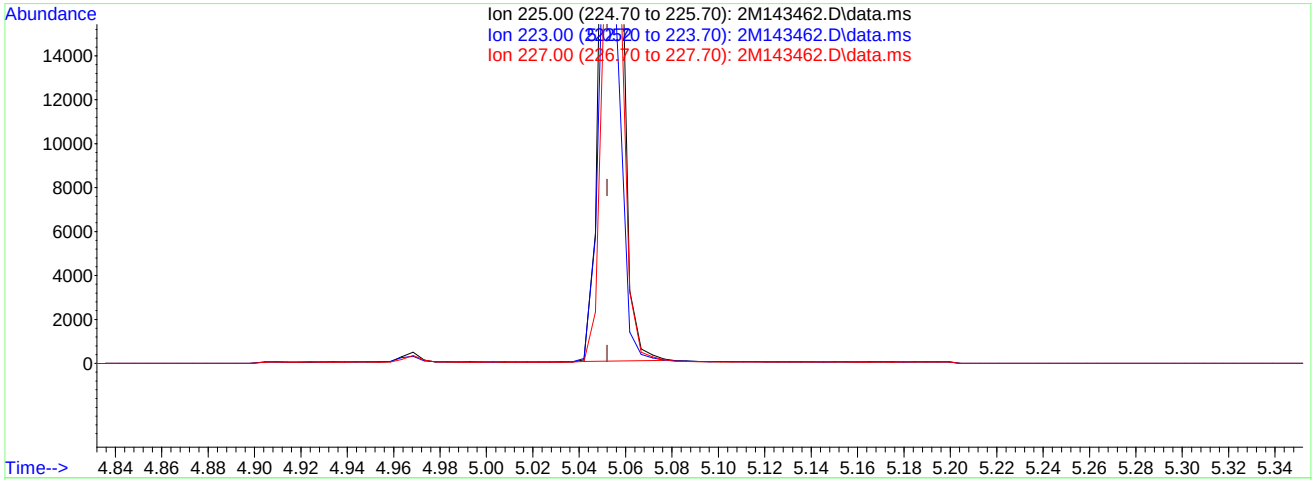
response 22280

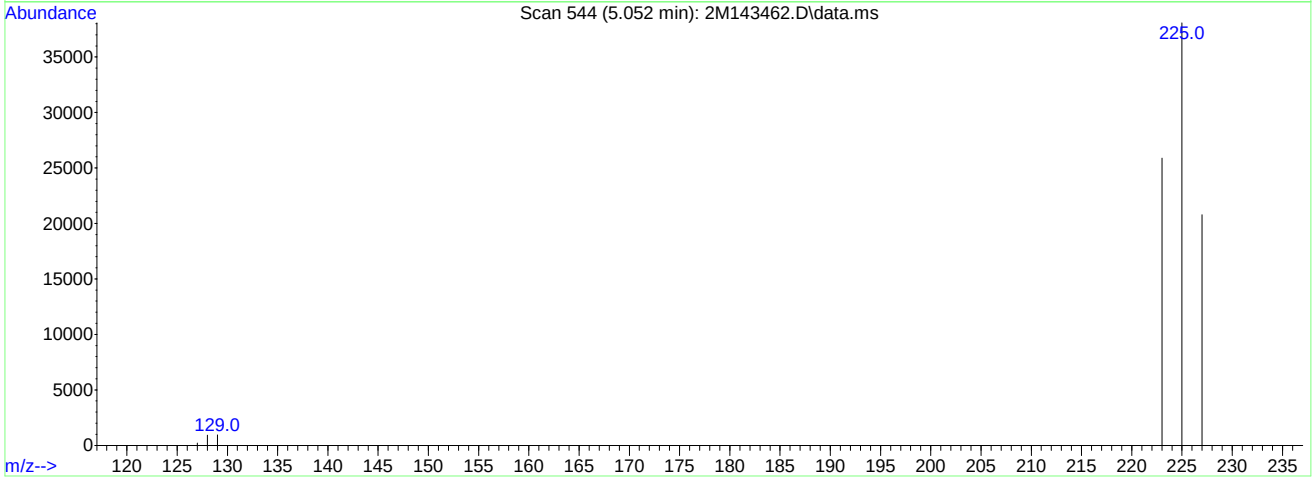
Ion	Exp%	Act%
225.00	100	100
223.00	70.10	67.95
227.00	53.20	54.33
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143462.D
Acq On : 18 Sep 2025 7:39 pm
Operator : rocquans
Sample : ic6496-1
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 19 10:00:32 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 09:56:26 2025
Response via : Initial Calibration





TIC: 2M143462.D\data.ms

(8) Hexachlorobutadiene (t)

5.052min (-0.000) 967.52ppb m

response 22277

Ion	Exp%	Act%
225.00	100	100
223.00	70.10	67.95
227.00	53.20	54.57
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Jon Kreigmor Mamanta 09/19/25 11:26

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143463.D
Acq On : 18 Sep 2025 7:59 pm
Operator : rocquans
Sample : ic6496-2
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 19 10:07:43 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 09:56:26 2025
Response via : Initial Calibration

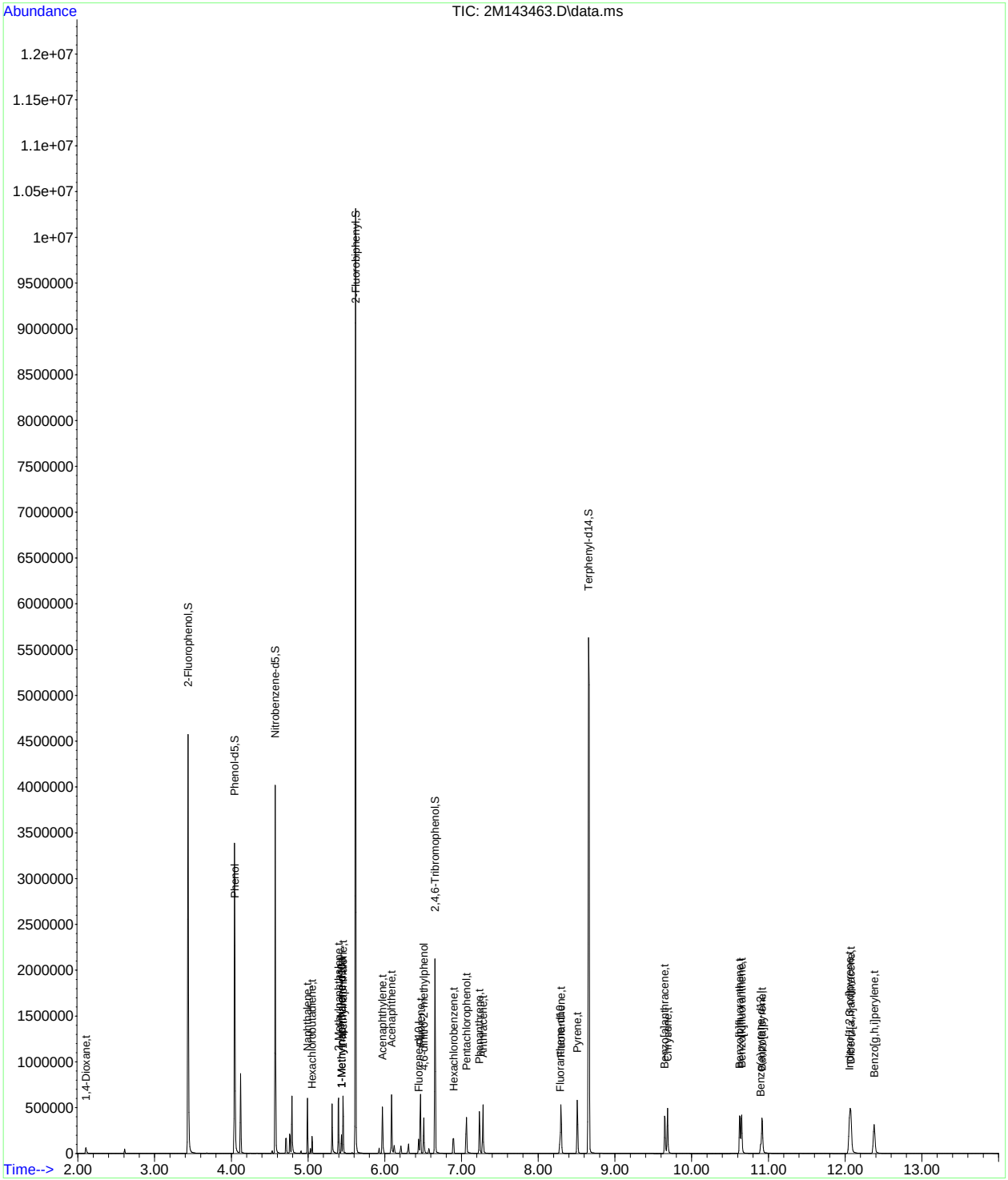
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	5.435	150	44897	800.00	ppb	0.00
12) Fluorene-d10	6.440	176	60939	800.00	ppb	0.00
19) Fluoranthene-d10	8.283	212	98287	800.00	ppb	0.00
29) Benzo(a)pyrene-d12	10.901	264	77973	800.00	ppb	0.00
36) 1-Methylnaphthalene-d10a	5.435	150	44897	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	3.437	112	1416905	38977.60	ppb	0.00
Spiked Amount 10000.000			Recovery = 389.78%			
4) Phenol-d5	4.040	99	1663874	40193.60	ppb	0.00
Spiked Amount 10000.000			Recovery = 401.94%			
6) Nitrobenzene-d5	4.572	82	1595528	41174.12	ppb	0.00
Spiked Amount 10000.000			Recovery = 411.74%			
13) 2-Fluorobiphenyl	5.620	172	3774202	38162.70	ppb	0.00
Spiked Amount 10000.000			Recovery = 381.63%			
18) 2,4,6-Tribromophenol	6.655	330	599322	43600.43	ppb	0.00
Spiked Amount 10000.000			Recovery = 436.00%			
26) Terphenyl-d14	8.657	244	3931986	37695.40	ppb	0.00
Spiked Amount 10000.000			Recovery = 376.95%			
Target Compounds						Qvalue
2) 1,4-Dioxane	2.106	88	29399	1884.03	ppb	98
5) Phenol	4.047	94	476625	9853.96	ppb	94
7) Naphthalene	4.993	128	255365	1962.34	ppb	97
8) Hexachlorobutadiene	5.052	225	45625m	1942.40	ppb	
9) 2-Methylnaphthalene	5.398	141	158229	1997.17	ppb	92
10) 1-Methylnaphthalene	5.456	141	151665	1887.32	ppb	92
14) Acenaphthylene	5.969	152	283793	2516.57	ppb	92
15) Acenaphthene	6.090	153	191457	1952.99	ppb	86
16) Fluorene	6.465	166	206323	1955.41	ppb	94
17) 4,6-dinitro-2-methylph...	6.509	198	159411	16670.08	ppb	99
20) Hexachlorobenzene	6.898	284	66747	1996.89	ppb	94
21) Pentachlorophenol	7.065	266	157860	18075.26	ppb	88
22) Phenanthrene	7.232	178	294599	2081.15	ppb	92
23) Anthracene	7.280	178	288498	2013.61	ppb	96
24) Fluoranthene	8.296	202	328344	1963.66	ppb	97
25) Pyrene	8.509	202	346397	2057.45	ppb	97
27) Benzo[a]anthracene	9.648	228	272505	2150.37	ppb	95
28) Chrysene	9.686	228	292876	1903.09	ppb	94
30) Benzo[b]fluoranthene	10.625	252	299622	2367.96	ppb	96
31) Benzo[k]fluoranthene	10.652	252	260010	1779.49	ppb	95
32) Benzo[a]pyrene	10.917	252	279842	2007.26	ppb	96
33) Indeno[1,2,3-cd]pyrene	12.056	276	434228	2310.84	ppb	96
34) Dibenz[a,h]anthracene	12.074	278	365156	2389.18	ppb	97
35) Benzo[g,h,i]perylene	12.379	276	355796	2322.48	ppb	99

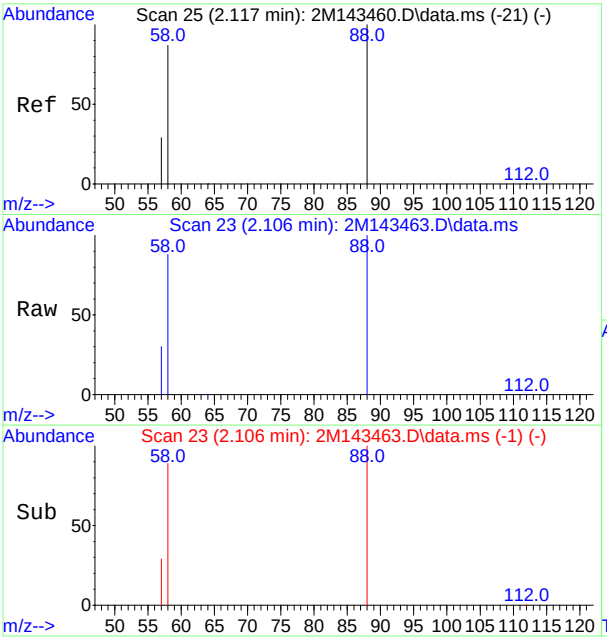
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143463.D
Acq On : 18 Sep 2025 7:59 pm
Operator : rocquans
Sample : ic6496-2
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 19 10:07:43 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 09:56:26 2025
Response via : Initial Calibration

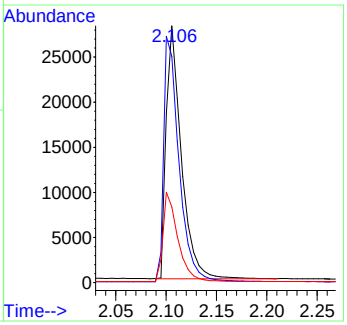


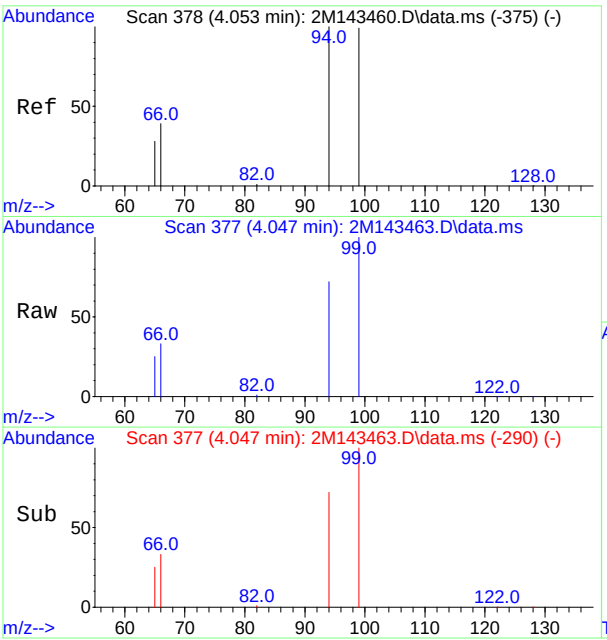


#2
1,4-Dioxane
Concen: 1884.03 ppb
RT: 2.106 min Scan# 23
Delta R.T. -0.011 min
Lab File: 2M143463.D
Acq: 18 Sep 2025 7:59 pm

Tgt Ion: 88 Resp: 29399

Ion	Ratio	Lower	Upper
88	100		
58	89.1	66.8	106.8
57	29.6	8.9	48.9

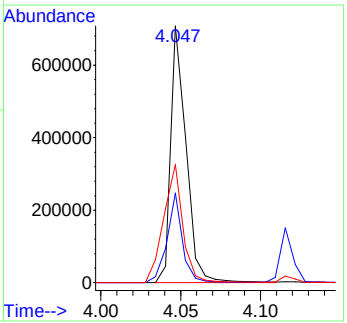


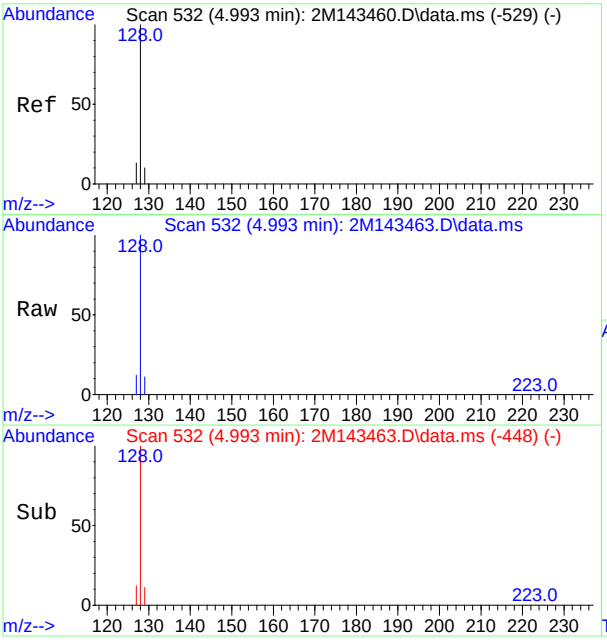


#5
Phenol
Concen: 9853.96 ppb
RT: 4.047 min Scan# 377
Delta R.T. -0.006 min
Lab File: 2M143463.D
Acq: 18 Sep 2025 7:59 pm

Tgt Ion: 94 Resp: 476625

Ion	Ratio	Lower	Upper
94	100		
65	32.8	22.2	33.2
66	41.4	31.2	46.8

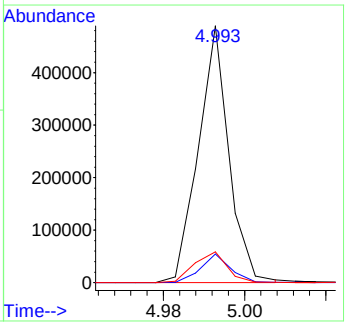


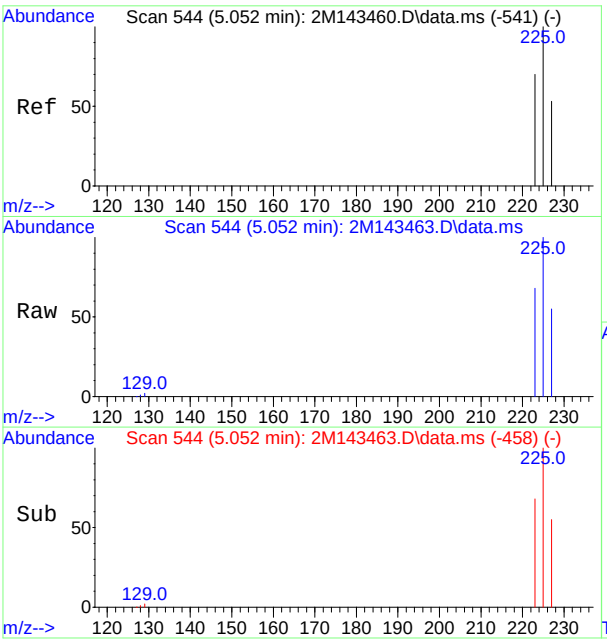


#7
Naphthalene
Concen: 1962.34 ppb
RT: 4.993 min Scan# 532
Delta R.T. -0.000 min
Lab File: 2M143463.D
Acq: 18 Sep 2025 7:59 pm

Tgt Ion:128 Resp: 255365

Ion	Ratio	Lower	Upper
128	100		
129	11.2	0.0	40.0
127	12.0	0.0	43.4

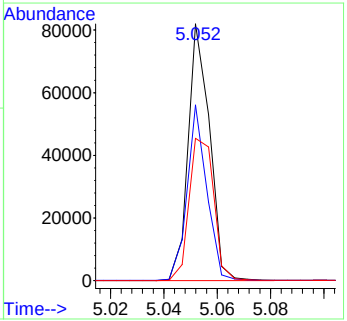


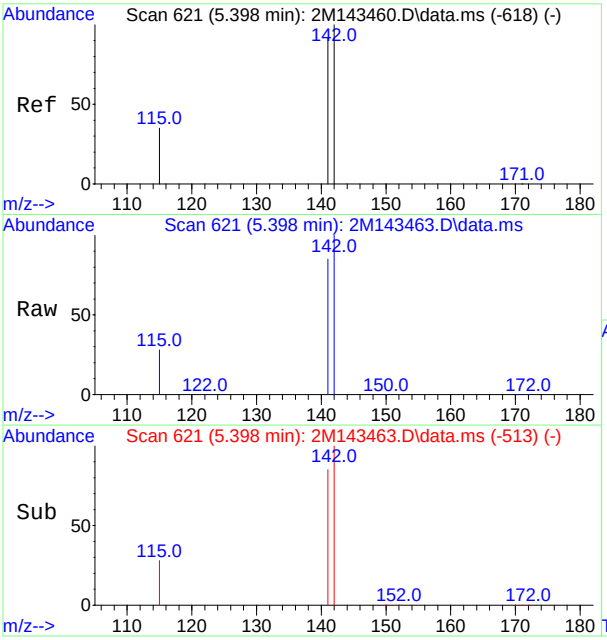


#8
Hexachlorobutadiene
Concen: 1942.40 ppb m
RT: 5.052 min Scan# 544
Delta R.T. -0.000 min
Lab File: 2M143463.D
Acq: 18 Sep 2025 7:59 pm

Tgt Ion:225 Resp: 45625

Ion	Ratio	Lower	Upper
225	100		
223	68.4	40.1	100.1
227	55.4	23.2	83.2

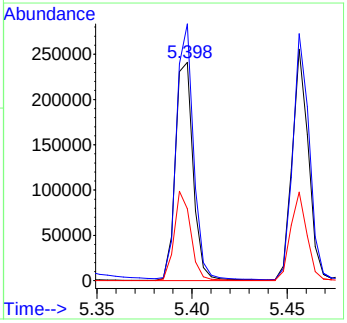


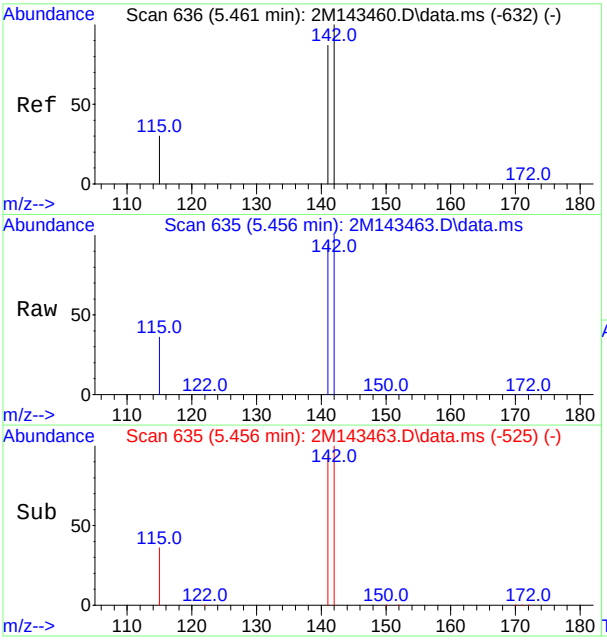


#9
2-Methylnaphthalene
Concen: 1997.17 ppb
RT: 5.398 min Scan# 621
Delta R.T. -0.000 min
Lab File: 2M143463.D
Acq: 18 Sep 2025 7:59 pm

Tgt Ion:141 Resp: 158229

Ion	Ratio	Lower	Upper
141	100		
142	117.3	79.2	139.2
115	32.8	8.0	68.0

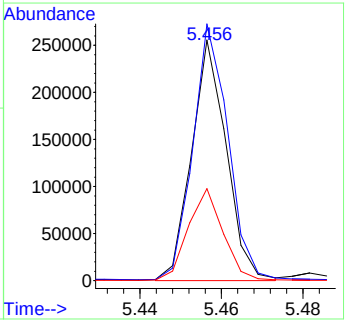


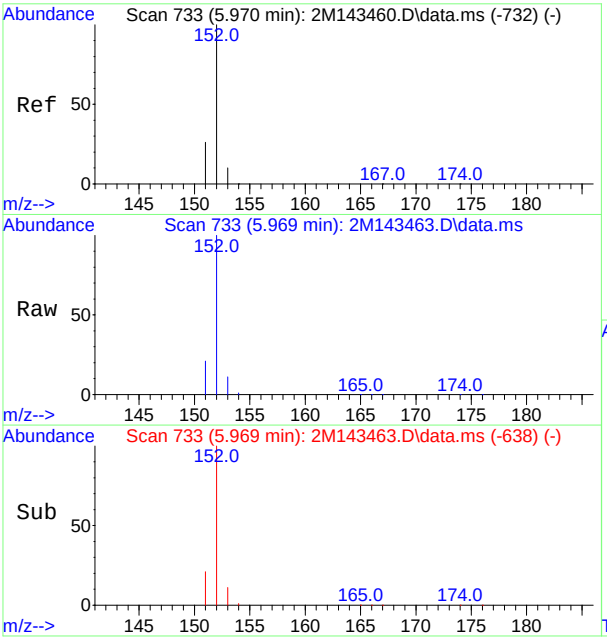


#10
1-Methylnaphthalene
Concen: 1887.32 ppb
RT: 5.456 min Scan# 635
Delta R.T. -0.004 min
Lab File: 2M143463.D
Acq: 18 Sep 2025 7:59 pm

Tgt Ion:141 Resp: 151665

Ion	Ratio	Lower	Upper
141	100		
142	106.8	85.6	145.6
115	38.3	4.2	64.2

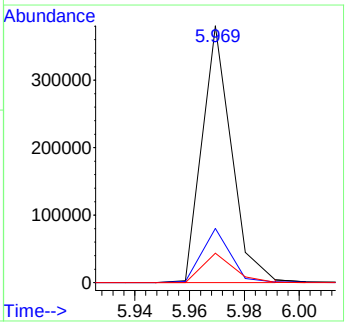


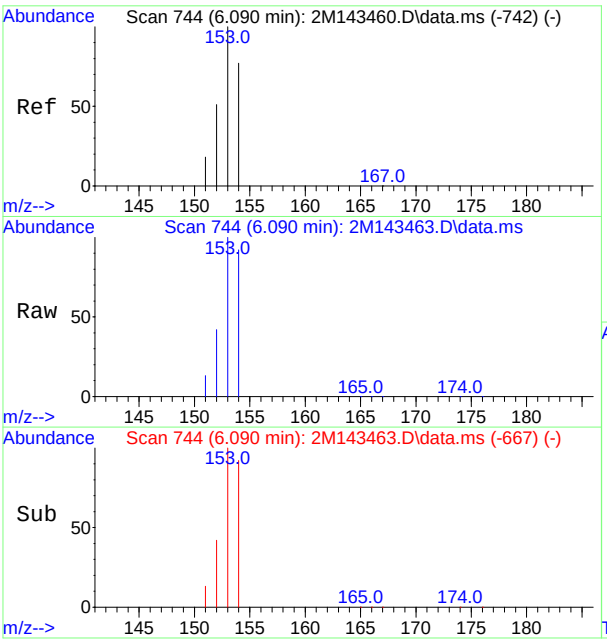


#14
Acenaphthylene
Concen: 2516.57 ppb
RT: 5.969 min Scan# 733
Delta R.T. -0.000 min
Lab File: 2M143463.D
Acq: 18 Sep 2025 7:59 pm

Tgt Ion:152 Resp: 283793

Ion	Ratio	Lower	Upper
152	100		
151	21.1	0.0	55.9
153	11.4	0.0	39.6

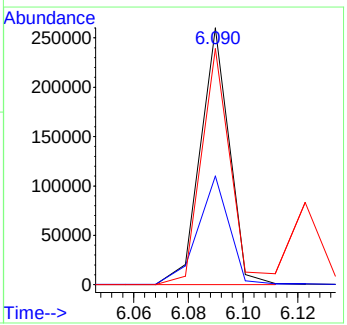


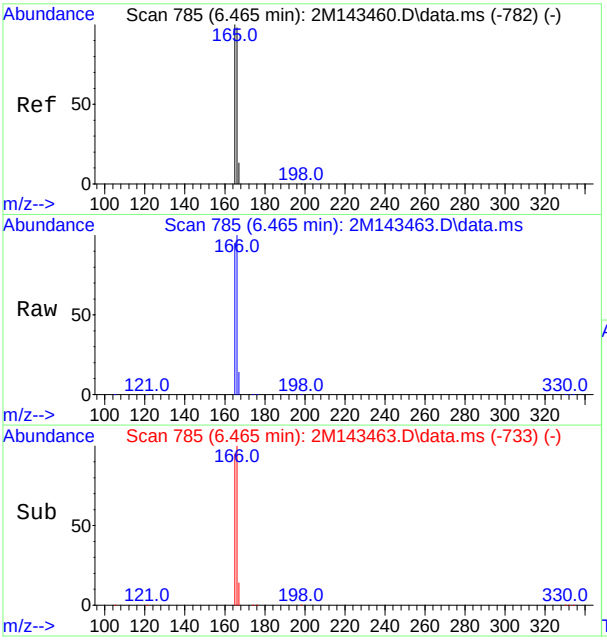


#15
Acenaphthene
Concen: 1952.99 ppb
RT: 6.090 min Scan# 744
Delta R.T. -0.000 min
Lab File: 2M143463.D
Acq: 18 Sep 2025 7:59 pm

Tgt Ion:153 Resp: 191457

Ion	Ratio	Lower	Upper
153	100		
152	42.1	20.8	80.8
154	89.9	47.0	107.0

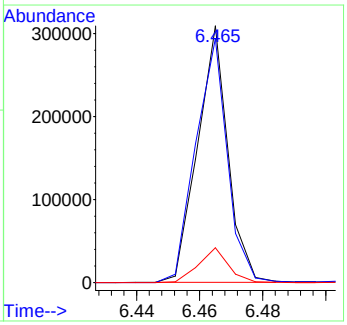


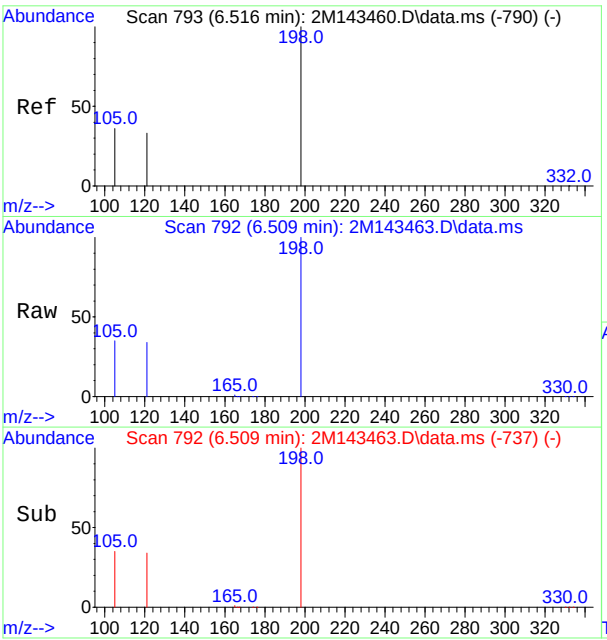


#16
Fluorene
Concen: 1955.41 ppb
RT: 6.465 min Scan# 785
Delta R.T. -0.000 min
Lab File: 2M143463.D
Acq: 18 Sep 2025 7:59 pm

Tgt Ion:166 Resp: 206323

Ion	Ratio	Lower	Upper
166	100		
165	95.1	72.1	132.1
167	13.5	0.0	43.0

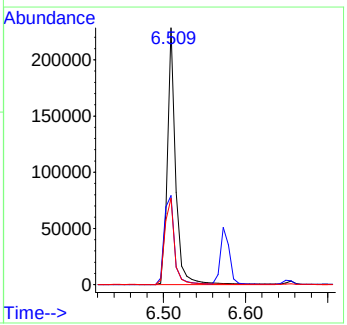


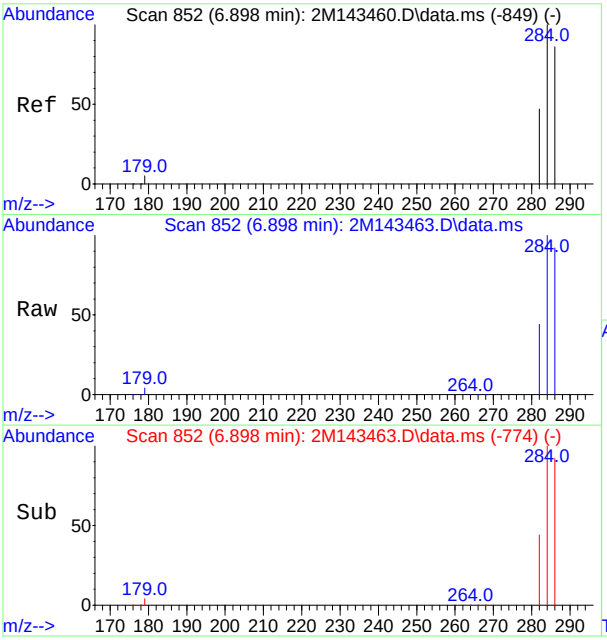


#17
4,6-dinitro-2-methylphenol
Concen: 16670.08 ppb
RT: 6.509 min Scan# 792
Delta R.T. -0.006 min
Lab File: 2M143463.D
Acq: 18 Sep 2025 7:59 pm

Tgt Ion:198 Resp: 159411

Ion	Ratio	Lower	Upper
198	100		
105	34.6	14.9	54.9
121	33.6	12.5	52.5

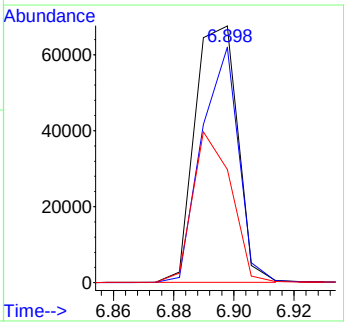


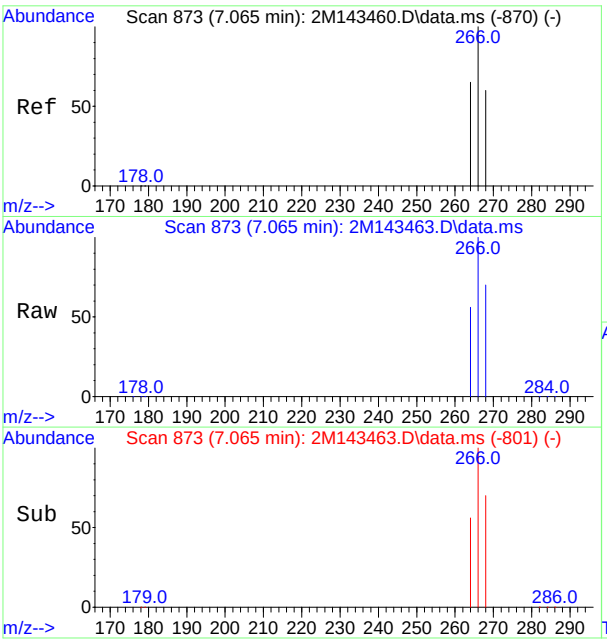


#20
Hexachlorobenzene
Concen: 1996.89 ppb
RT: 6.898 min Scan# 852
Delta R.T. -0.000 min
Lab File: 2M143463.D
Acq: 18 Sep 2025 7:59 pm

Tgt Ion:284 Resp: 66747

Ion	Ratio	Lower	Upper
284	100		
286	91.7	55.8	115.8
282	44.0	17.4	77.4

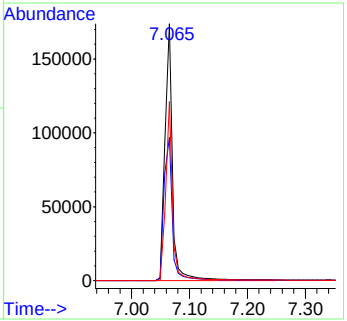


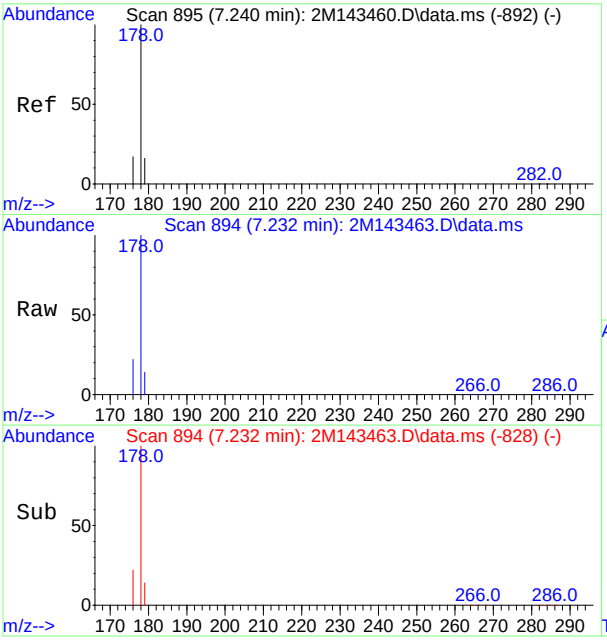


#21
Pentachlorophenol
Concen: 18075.26 ppb
RT: 7.065 min Scan# 873
Delta R.T. -0.000 min
Lab File: 2M143463.D
Acq: 18 Sep 2025 7:59 pm

Tgt Ion:266 Resp: 157860

Ion	Ratio	Lower	Upper
266	100		
264	55.8	35.4	95.4
268	69.6	30.0	90.0

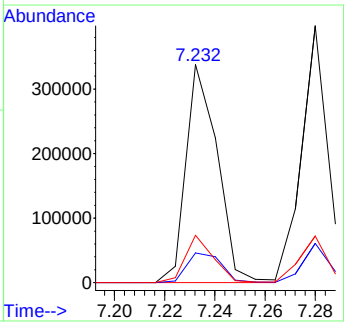


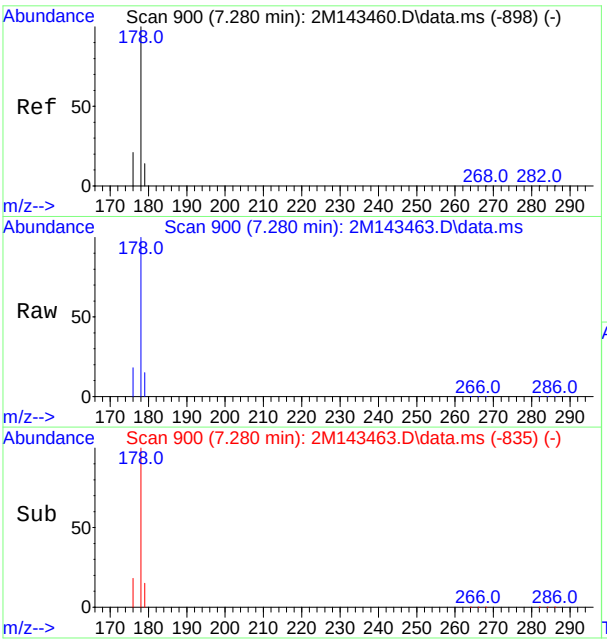


#22
Phenanthrene
Concen: 2081.15 ppb
RT: 7.232 min Scan# 894
Delta R.T. -0.008 min
Lab File: 2M143463.D
Acq: 18 Sep 2025 7:59 pm

Tgt Ion:178 Resp: 294599

Ion	Ratio	Lower	Upper
178	100		
179	13.7	0.0	46.1
176	21.7	0.0	47.1

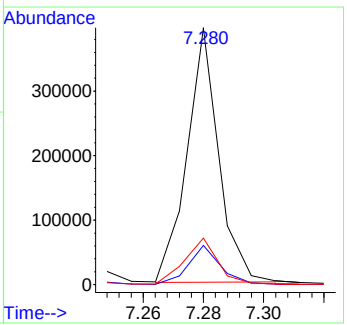




#23
Anthracene
Concen: 2013.61 ppb
RT: 7.280 min Scan# 900
Delta R.T. -0.000 min
Lab File: 2M143463.D
Acq: 18 Sep 2025 7:59 pm

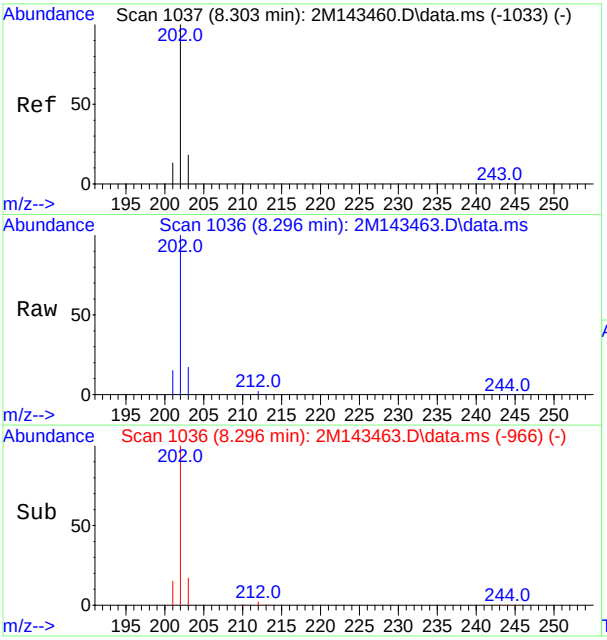
Tgt Ion:178 Resp: 288498

Ion	Ratio	Lower	Upper
178	100		
179	15.3	0.0	44.2
176	18.1	0.0	50.7



9.5.10

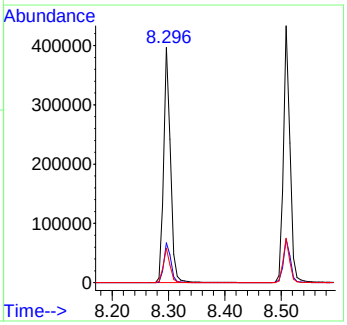
9

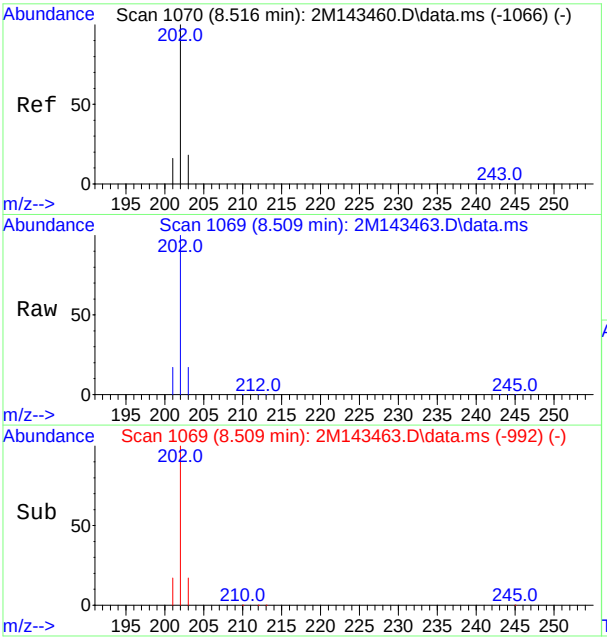


#24
Fluoranthene
Concen: 1963.66 ppb
RT: 8.296 min Scan# 1036
Delta R.T. -0.007 min
Lab File: 2M143463.D
Acq: 18 Sep 2025 7:59 pm

Tgt Ion:202 Resp: 328344

Ion	Ratio	Lower	Upper
202	100		
203	16.9	0.0	47.9
201	14.6	0.0	43.2

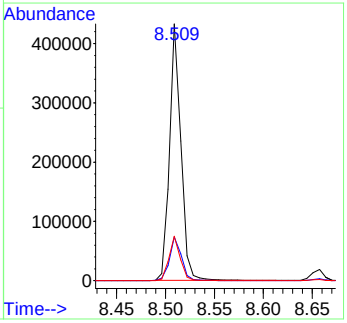


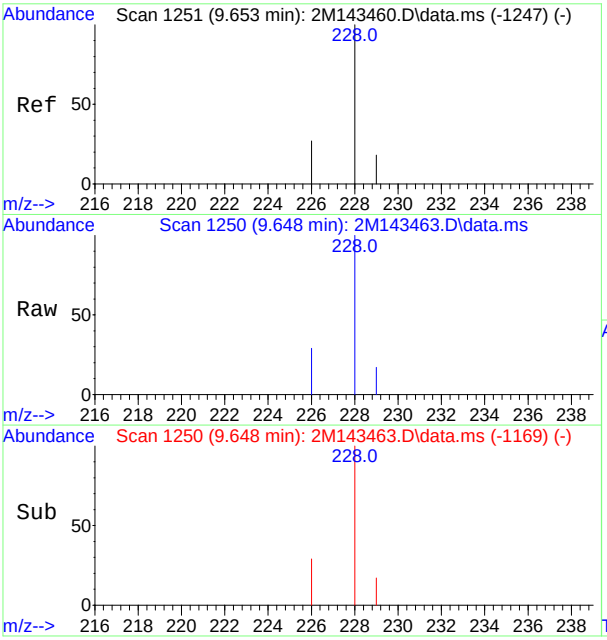


#25
Pyrene
Concen: 2057.45 ppb
RT: 8.509 min Scan# 1069
Delta R.T. -0.007 min
Lab File: 2M143463.D
Acq: 18 Sep 2025 7:59 pm

Tgt Ion:202 Resp: 346397

Ion	Ratio	Lower	Upper
202	100		
203	16.9	0.0	48.3
201	17.2	0.0	46.1

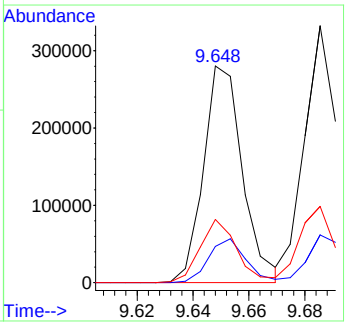


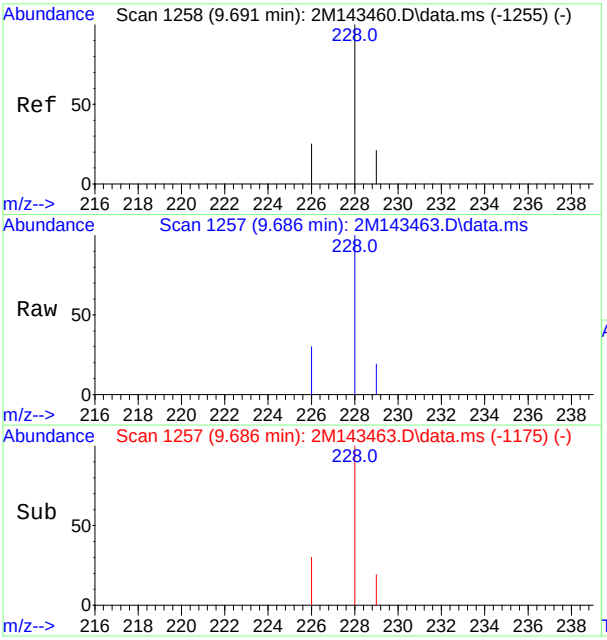


#27
Benzo[a]anthracene
Concen: 2150.37 ppb
RT: 9.648 min Scan# 1250
Delta R.T. -0.005 min
Lab File: 2M143463.D
Acq: 18 Sep 2025 7:59 pm

Tgt Ion:228 Resp: 272505

Ion	Ratio	Lower	Upper
228	100		
229	16.6	0.0	48.4
226	29.1	0.0	56.5

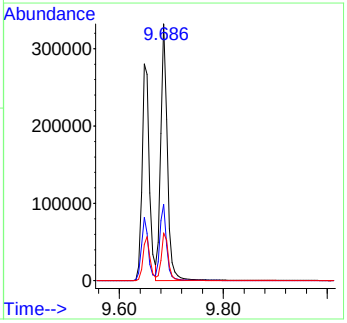


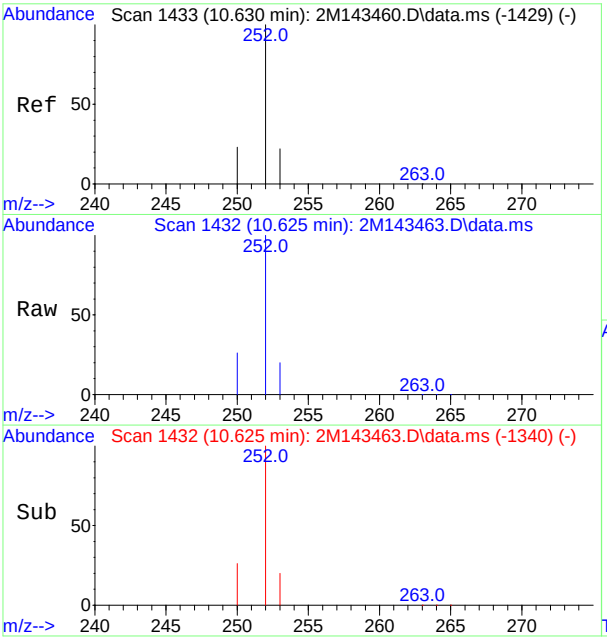


#28
Chrysene
Concen: 1903.09 ppb
RT: 9.686 min Scan# 1257
Delta R.T. -0.005 min
Lab File: 2M143463.D
Acq: 18 Sep 2025 7:59 pm

Tgt Ion:228 Resp: 292876

Ion	Ratio	Lower	Upper
228	100		
226	29.7	0.0	55.9
229	18.5	0.0	50.5

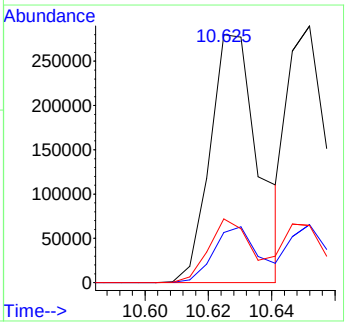


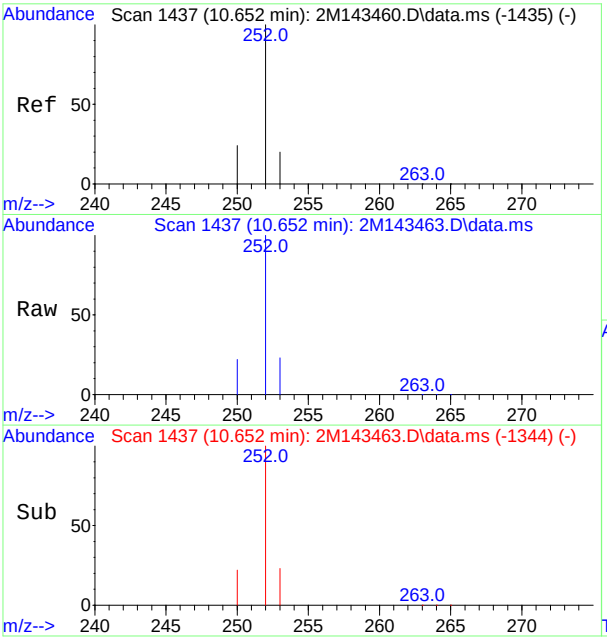


#30
Benzo[b]fluoranthene
Concen: 2367.96 ppb
RT: 10.625 min Scan# 1432
Delta R.T. -0.006 min
Lab File: 2M143463.D
Acq: 18 Sep 2025 7:59 pm

Tgt Ion:252 Resp: 299622

Ion	Ratio	Lower	Upper
252	100		
253	20.3	0.0	52.3
250	25.3	0.0	52.9

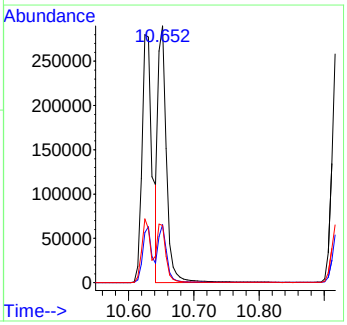


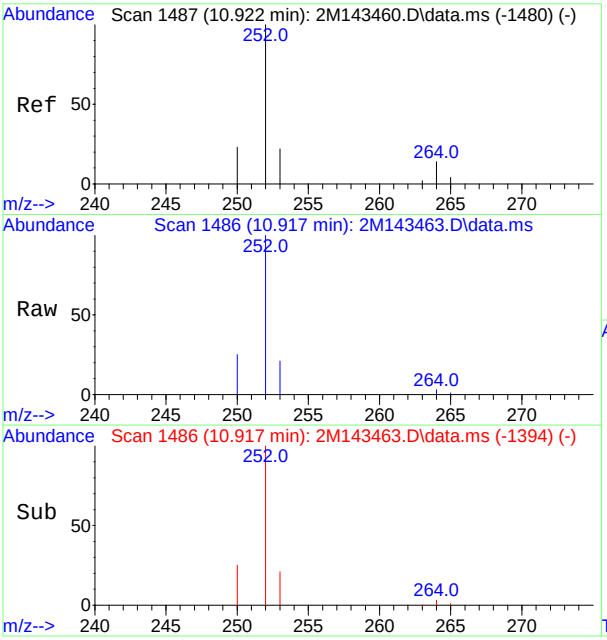


#31
Benzo[k]fluoranthene
Concen: 1779.49 ppb
RT: 10.652 min Scan# 1437
Delta R.T. -0.000 min
Lab File: 2M143463.D
Acq: 18 Sep 2025 7:59 pm

Tgt Ion:252 Resp: 260010

Ion	Ratio	Lower	Upper
252	100		
253	23.2	0.0	51.6
250	21.1	0.0	54.5

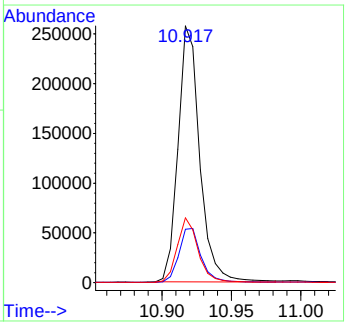


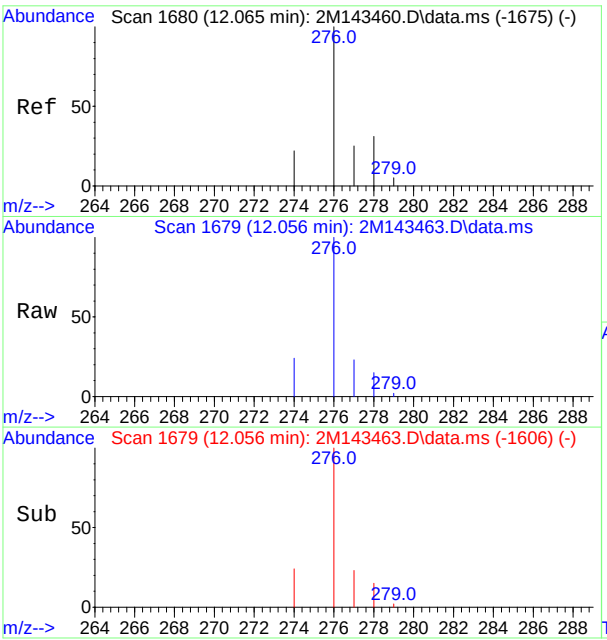


#32
Benzo[a]pyrene
Concen: 2007.26 ppb
RT: 10.917 min Scan# 1486
Delta R.T. -0.006 min
Lab File: 2M143463.D
Acq: 18 Sep 2025 7:59 pm

Tgt Ion:252 Resp: 279842

Ion	Ratio	Lower	Upper
252	100		
253	20.7	0.0	52.4
250	25.2	0.0	53.4

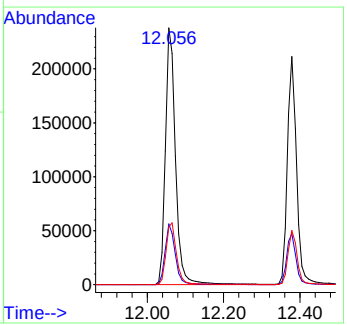


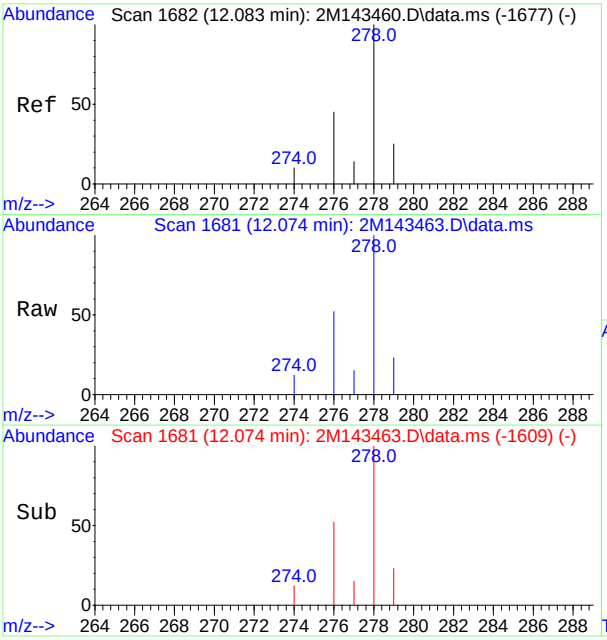


#33
Indeno[1,2,3-cd]pyrene
Concen: 2310.84 ppb
RT: 12.056 min Scan# 1679
Delta R.T. -0.009 min
Lab File: 2M143463.D
Acq: 18 Sep 2025 7:59 pm

Tgt Ion:276 Resp: 434228

Ion	Ratio	Lower	Upper
276	100		
274	23.6	0.0	52.2
277	22.5	0.0	54.9

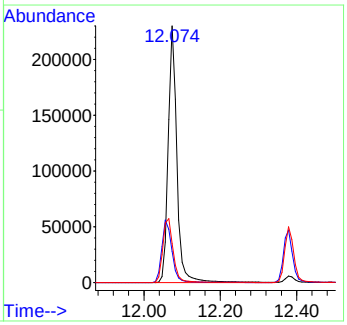


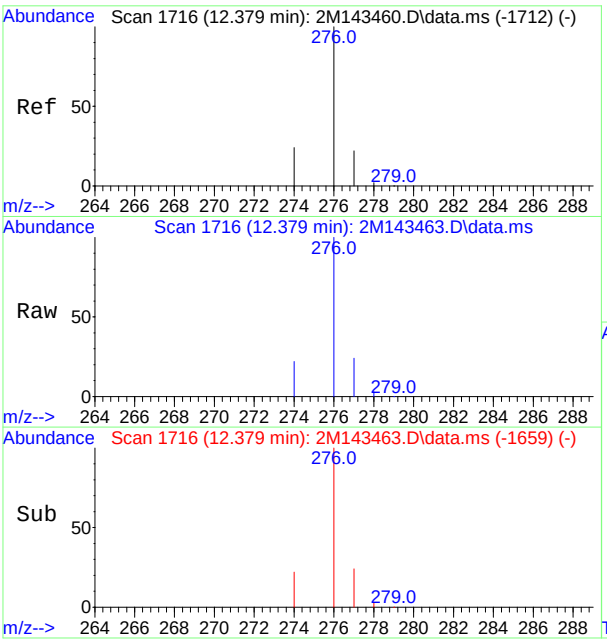


#34
Dibenz[a,h]anthracene
Concen: 2389.18 ppb
RT: 12.074 min Scan# 1681
Delta R.T. -0.009 min
Lab File: 2M143463.D
Acq: 18 Sep 2025 7:59 pm

Tgt Ion:278 Resp: 365156

Ion	Ratio	Lower	Upper
278	100		
274	11.9	0.0	40.7
277	15.2	0.0	44.0

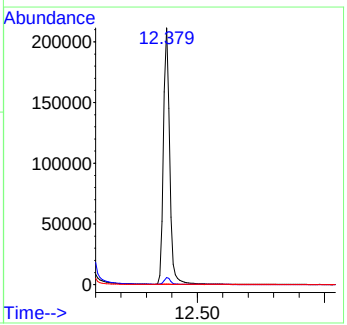




#35
Benzo[g,h,i]perylene
Concen: 2322.48 ppb
RT: 12.379 min Scan# 1716
Delta R.T. -0.000 min
Lab File: 2M143463.D
Acq: 18 Sep 2025 7:59 pm

Tgt Ion:276 Resp: 355796

Ion	Ratio	Lower	Upper
276	100		
278	2.7	0.0	32.2
279	0.2	0.0	30.1



Manual Integration Approval Summary

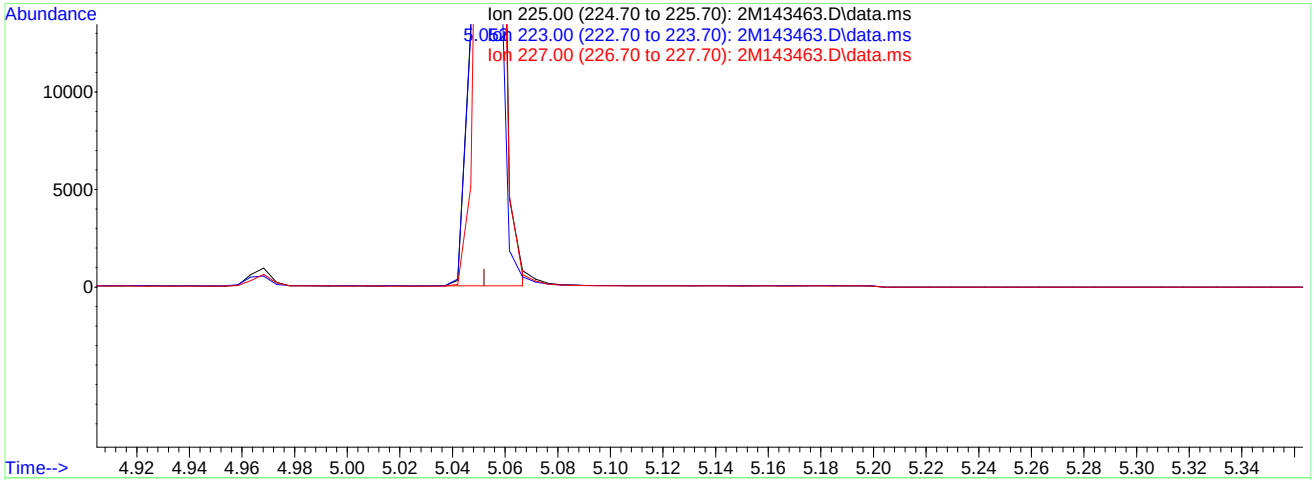
Sample Number: E2M6496-IC6496
Lab FileID: 2M143463.D
Injection Time: 09/18/25 19:59
Method: SW846 8270E BY SIM
Analyst approved: 09/19/25 10:52 Ying Li
Supervisor approved: 09/19/25 11:26 Jon Kreigmor Mamanta

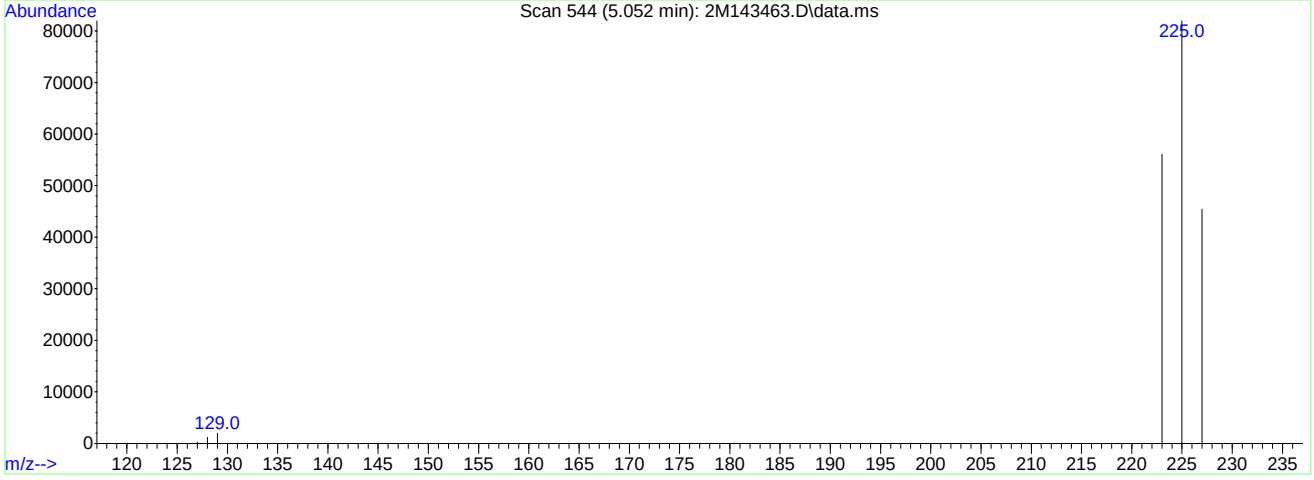
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexachlorobutadiene	87-68-3		5.05	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143463.D
Acq On : 18 Sep 2025 7:59 pm
Operator : rocquans
Sample : ic6496-2
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 19 10:01:25 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 09:56:26 2025
Response via : Initial Calibration





TIC: 2M143463.D\data.ms

(8) Hexachlorobutadiene (t)

5.052min (-0.000) 1930.52ppb

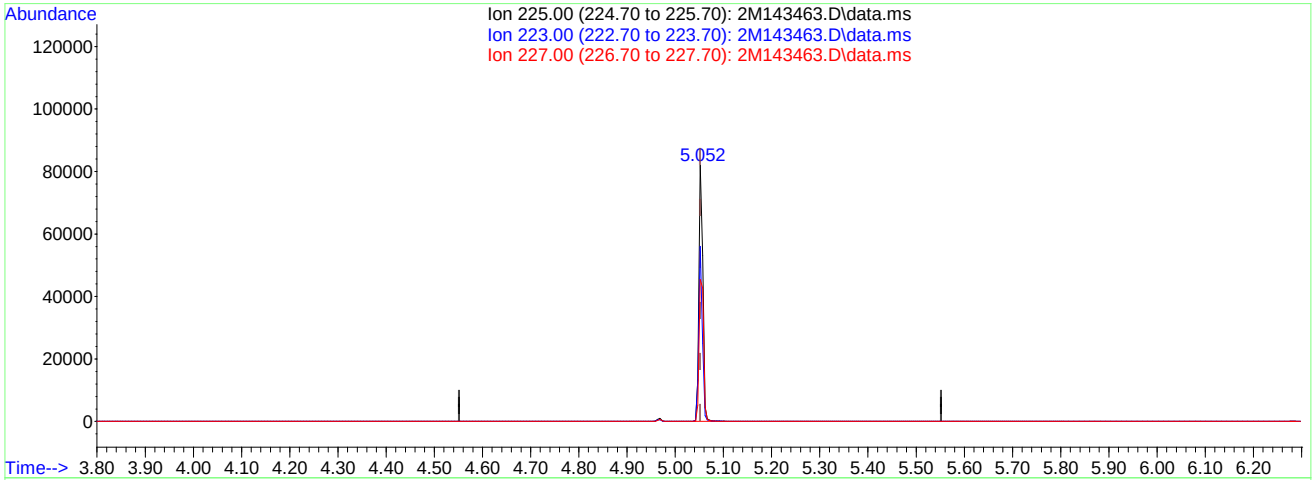
response 45346

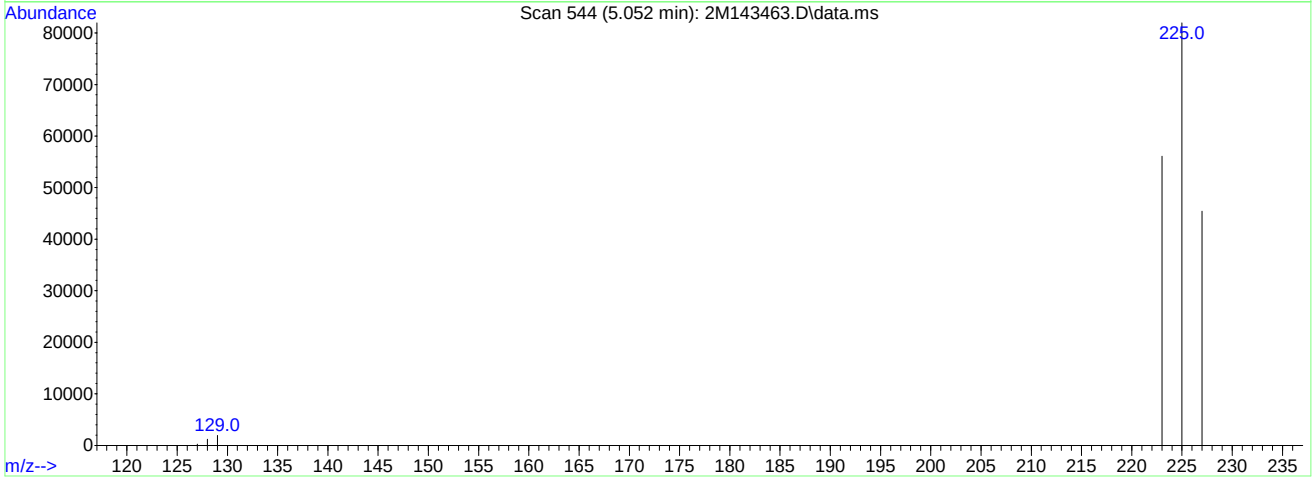
Ion	Exp%	Act%
225.00	100	100
223.00	70.10	68.43
227.00	53.20	55.31
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143463.D
Acq On : 18 Sep 2025 7:59 pm
Operator : rocquans
Sample : ic6496-2
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 19 10:01:25 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 09:56:26 2025
Response via : Initial Calibration





TIC: 2M143463.D\data.ms

(8) Hexachlorobutadiene (t)

5.052min (-0.000) 1942.40ppb m

response 45625

Ion	Exp%	Act%
225.00	100	100
223.00	70.10	68.41
227.00	53.20	55.43
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Jon Kreigmor Mamanta 09/19/25 11:26

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143464.D
Acq On : 18 Sep 2025 8:20 pm
Operator : rocquans
Sample : icv6496-0.2
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 19 10:46:37 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 10:27:40 2025
Response via : Initial Calibration

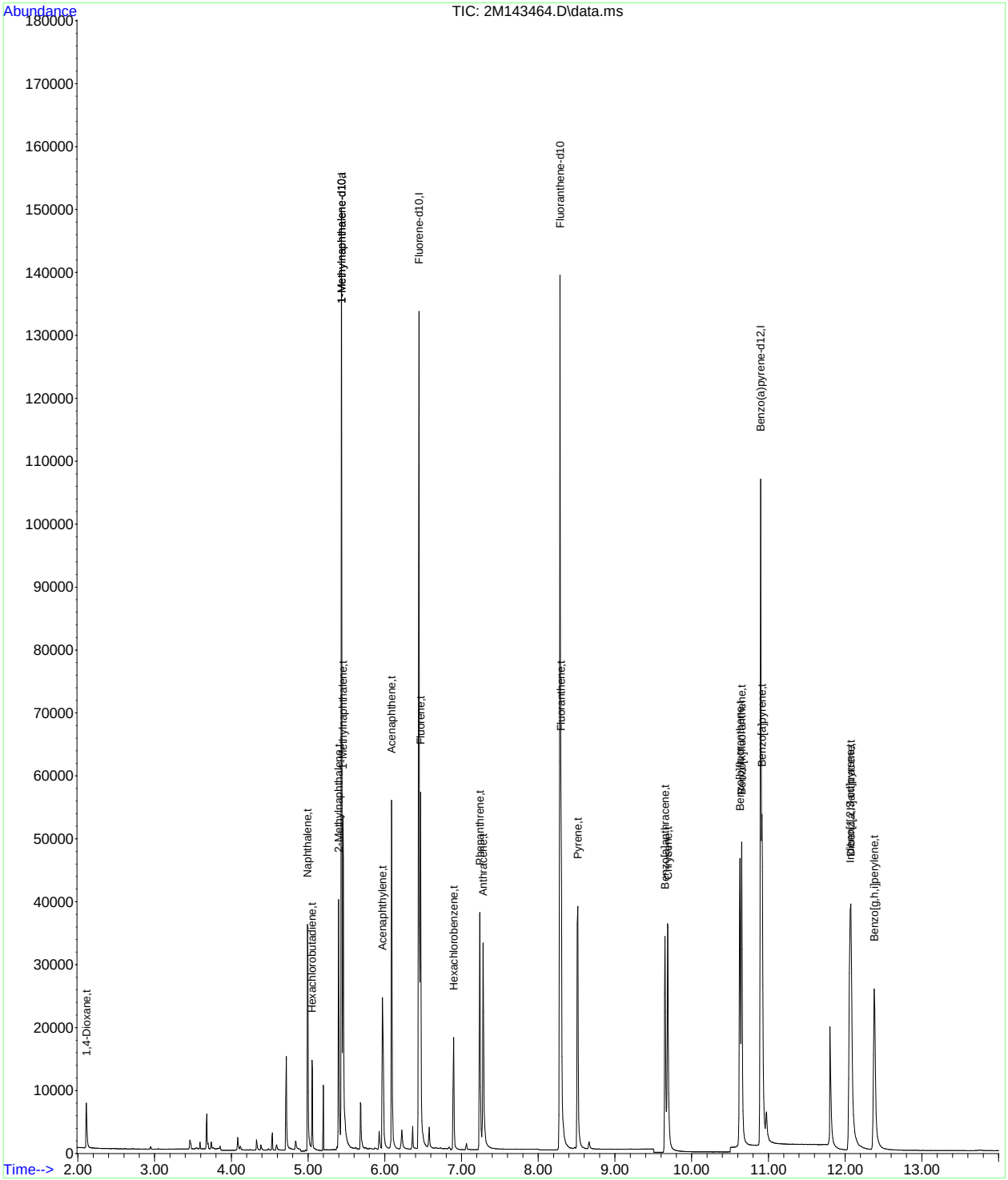
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	5.435	150	40695	800.00	ppb	0.00
12) Fluorene-d10	6.446	176	57152	800.00	ppb	0.00
19) Fluoranthene-d10	8.283	212	97487	800.00	ppb	0.00
29) Benzo(a)pyrene-d12	10.901	264	90459	800.00	ppb	0.00
36) 1-Methylnaphthalene-d10a	5.435	150	40695	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	0.000	112	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
4) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
6) Nitrobenzene-d5	0.000	82	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
13) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
18) 2,4,6-Tribromophenol	0.000	330	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
26) Terphenyl-d14	0.000	244	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.111	88	2823m	193.83	ppb	
7) Naphthalene	4.993	128	24215	200.56	ppb	99
8) Hexachlorobutadiene	5.052	225	4283	200.80	ppb	100
9) 2-Methylnaphthalene	5.398	141	12184	176.31	ppb	98
10) 1-Methylnaphthalene	5.456	141	14733m	204.60	ppb	
14) Acenaphthylene	5.969	152	21682m	183.71	ppb	
15) Acenaphthene	6.090	153	17263	197.48	ppb	97
16) Fluorene	6.465	166	18852	190.98	ppb	100
20) Hexachlorobenzene	6.898	284	6720	205.07	ppb	98
22) Phenanthrene	7.240	178	26348	183.57	ppb	98
23) Anthracene	7.280	178	27899	195.02	ppb	100
24) Fluoranthene	8.296	202	32021	180.06	ppb	96
25) Pyrene	8.515	202	32154	180.43	ppb	99
27) Benzo[a]anthracene	9.653	228	23287	186.10	ppb	99
28) Chrysene	9.691	228	31311	197.74	ppb	100
30) Benzo[b]fluoranthene	10.630	252	31856	205.51	ppb	100
31) Benzo[k]fluoranthene	10.652	252	33213	201.35	ppb	97
32) Benzo[a]pyrene	10.917	252	32362	187.56	ppb	97
33) Indeno[1,2,3-cd]pyrene	12.065	276	42175	189.45	ppb	100
34) Dibenz[a,h]anthracene	12.074	278	35237	199.48	ppb	85
35) Benzo[g,h,i]perylene	12.379	276	34838	188.91	ppb	99

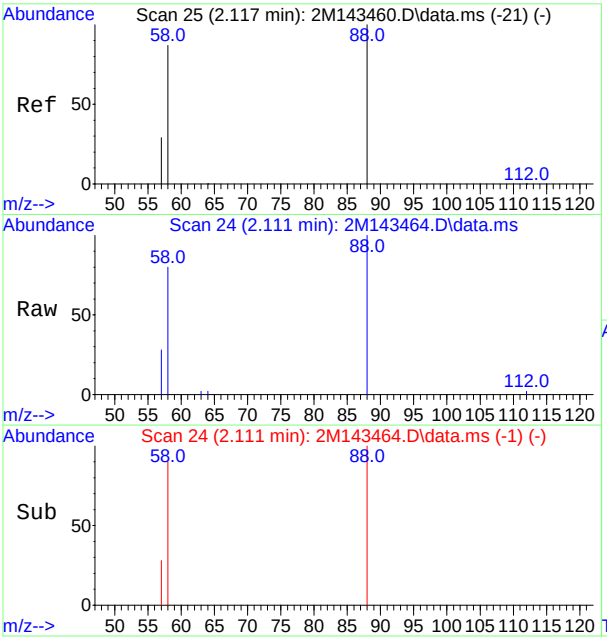
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143464.D
Acq On : 18 Sep 2025 8:20 pm
Operator : rocquans
Sample : icv6496-0.2
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 19 10:46:37 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 10:27:40 2025
Response via : Initial Calibration

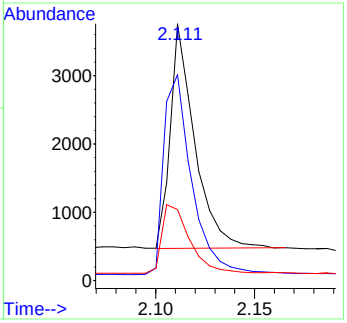


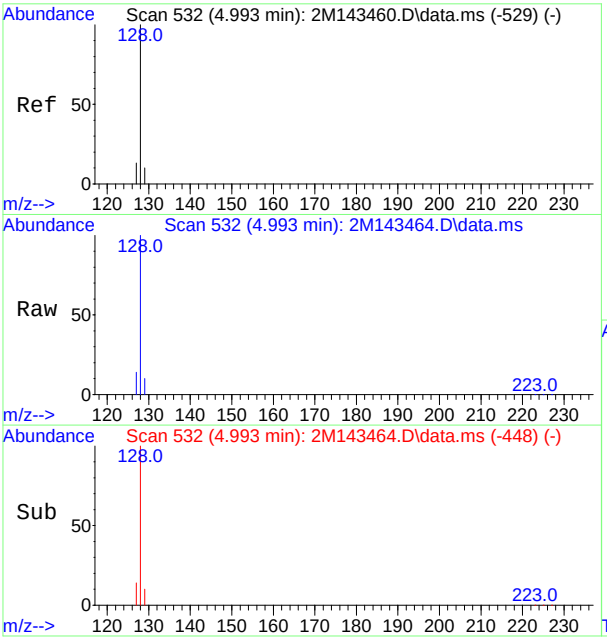


#2
1,4-Dioxane
Concen: 193.83 ppb m
RT: 2.111 min Scan# 24
Delta R.T. -0.006 min
Lab File: 2M143464.D
Acq: 18 Sep 2025 8:20 pm

Tgt Ion: 88 Resp: 2823

Ion	Ratio	Lower	Upper
88	100		
58	80.2	57.0	97.0
57	27.7	8.3	48.3

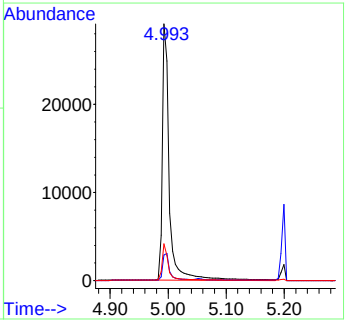


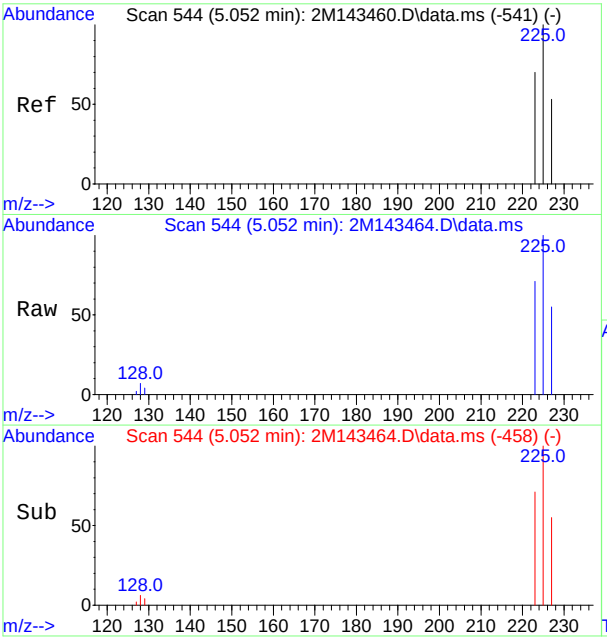


#7
Naphthalene
Concen: 200.56 ppb
RT: 4.993 min Scan# 532
Delta R.T. -0.000 min
Lab File: 2M143464.D
Acq: 18 Sep 2025 8:20 pm

Tgt Ion:128 Resp: 24215

Ion	Ratio	Lower	Upper
128	100		
129	9.8	0.0	40.0
127	14.1	0.0	43.4

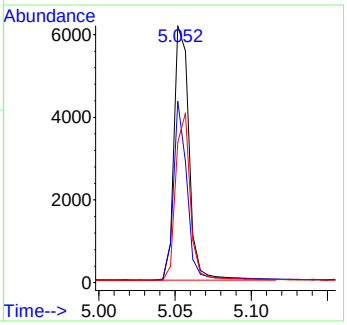


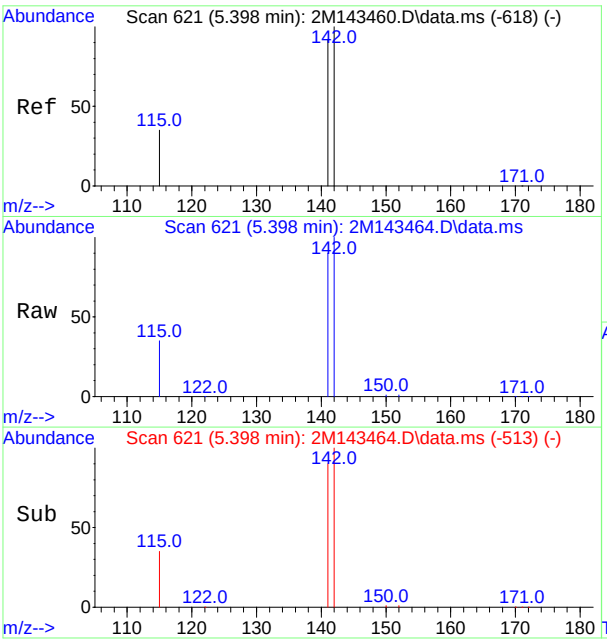


#8
Hexachlorobutadiene
Concen: 200.80 ppb
RT: 5.052 min Scan# 544
Delta R.T. -0.000 min
Lab File: 2M143464.D
Acq: 18 Sep 2025 8:20 pm

Tgt Ion:225 Resp: 4283

Ion	Ratio	Lower	Upper
225	100		
223	70.2	40.4	100.4
227	54.2	23.7	83.7

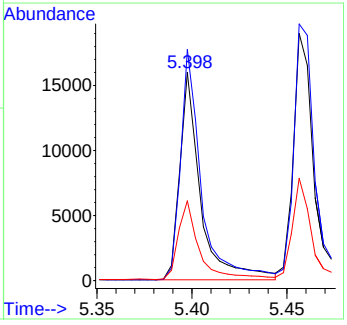


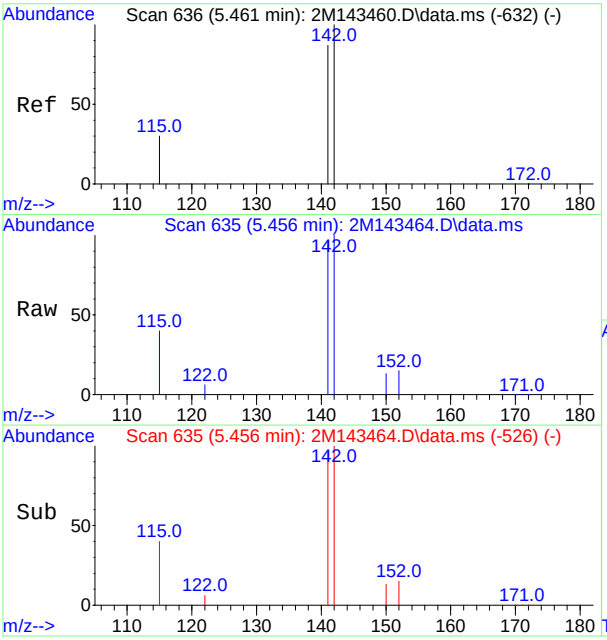


#9
2-Methylnaphthalene
Concen: 176.31 ppb
RT: 5.398 min Scan# 621
Delta R.T. -0.000 min
Lab File: 2M143464.D
Acq: 18 Sep 2025 8:20 pm

Tgt Ion:141 Resp: 12184

Ion	Ratio	Lower	Upper
141	100		
142	111.3	79.2	139.2
115	37.9	8.0	68.0

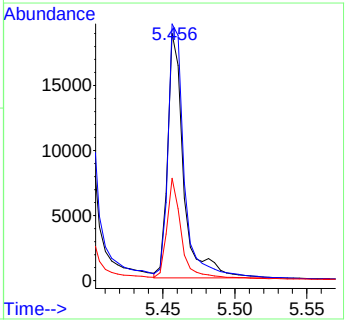


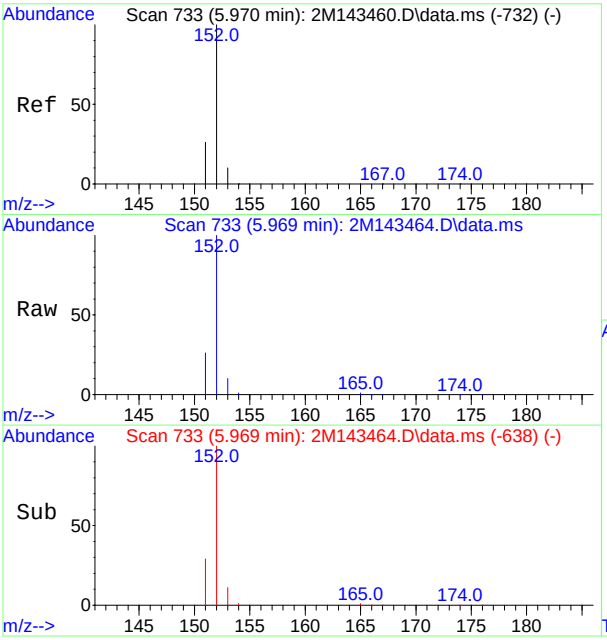


#10
1-Methylnaphthalene
Concen: 204.60 ppb m
RT: 5.456 min Scan# 635
Delta R.T. -0.005 min
Lab File: 2M143464.D
Acq: 18 Sep 2025 8:20 pm

Tgt Ion:141 Resp: 14733

Ion	Ratio	Lower	Upper
141	100		
142	103.9	85.6	145.6
115	41.4	4.2	64.2

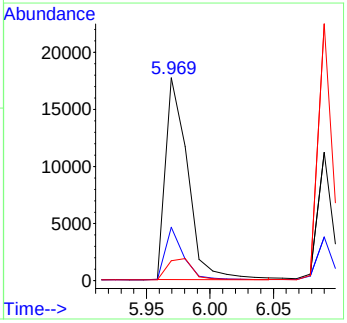


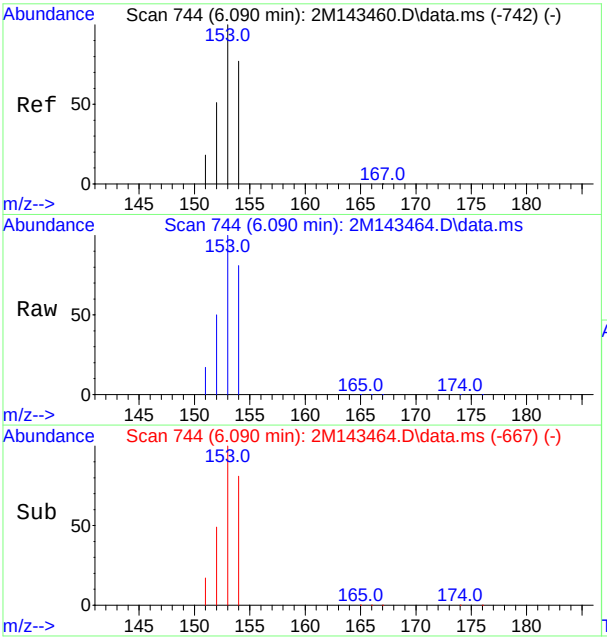


#14
Acenaphthylene
Concen: 183.71 ppb m
RT: 5.969 min Scan# 733
Delta R.T. -0.001 min
Lab File: 2M143464.D
Acq: 18 Sep 2025 8:20 pm

Tgt Ion:152 Resp: 21682

Ion	Ratio	Lower	Upper
152	100		
151	26.3	0.0	56.1
153	9.8	0.0	40.0

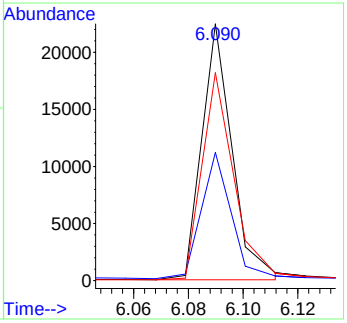


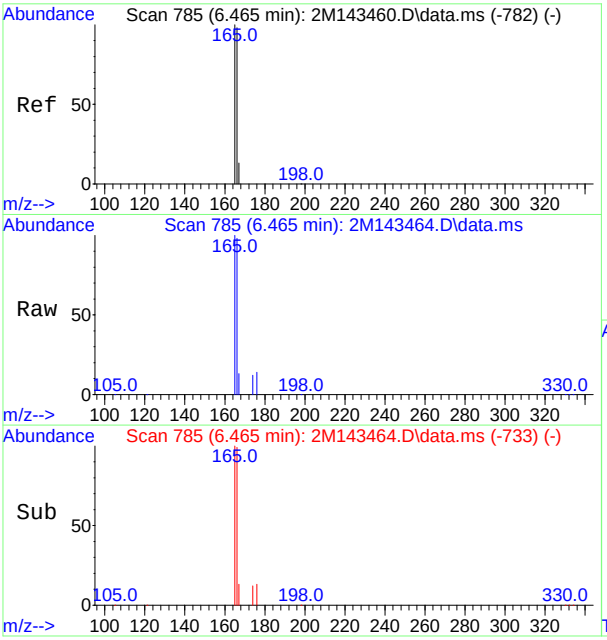


#15
Acenaphthene
Concen: 197.48 ppb
RT: 6.090 min Scan# 744
Delta R.T. -0.000 min
Lab File: 2M143464.D
Acq: 18 Sep 2025 8:20 pm

Tgt Ion:153 Resp: 17263

Ion	Ratio	Lower	Upper
153	100		
152	49.5	20.8	80.8
154	80.7	47.0	107.0

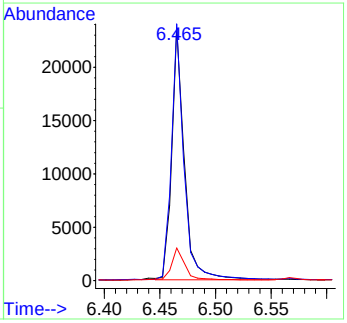


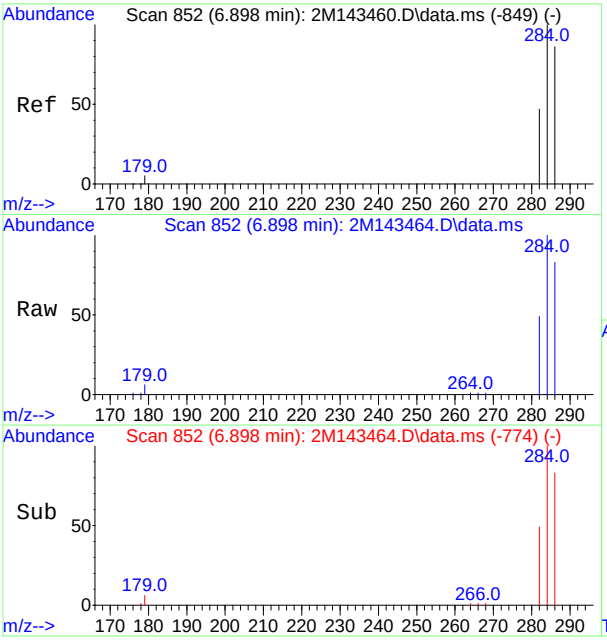


#16
Fluorene
Concen: 190.98 ppb
RT: 6.465 min Scan# 785
Delta R.T. 0.000 min
Lab File: 2M143464.D
Acq: 18 Sep 2025 8:20 pm

Tgt Ion:166 Resp: 18852

Ion	Ratio	Lower	Upper
166	100		
165	101.9	72.1	132.1
167	12.5	0.0	43.0

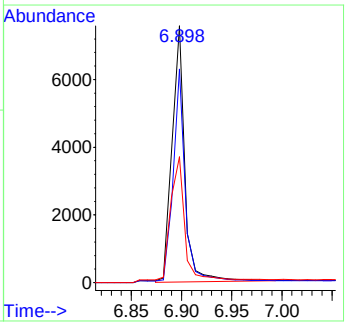


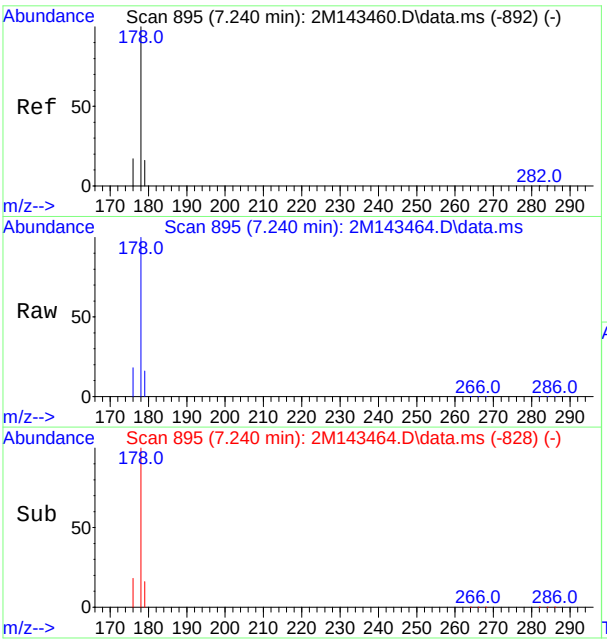


#20
Hexachlorobenzene
Concen: 205.07 ppb
RT: 6.898 min Scan# 852
Delta R.T. -0.000 min
Lab File: 2M143464.D
Acq: 18 Sep 2025 8:20 pm

Tgt Ion:284 Resp: 6720

Ion	Ratio	Lower	Upper
284	100		
286	83.0	55.8	115.8
282	48.2	17.4	77.4

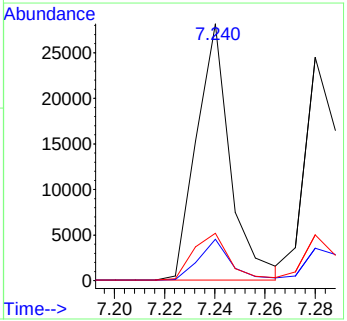


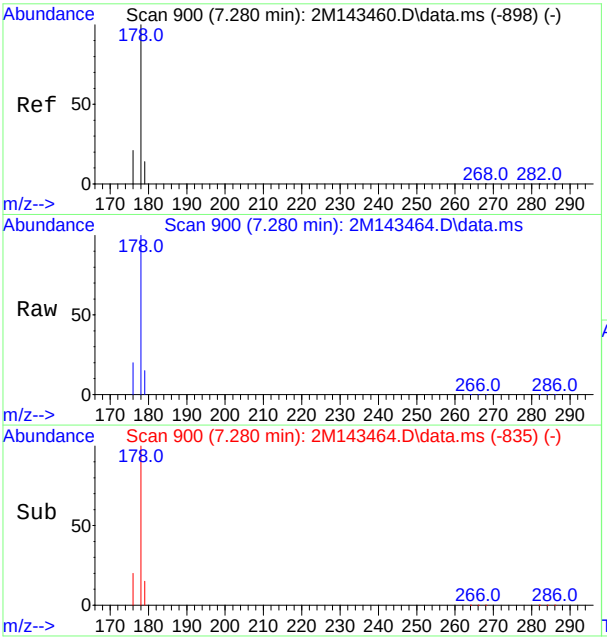


#22
Phenanthrene
Concen: 183.57 ppb
RT: 7.240 min Scan# 895
Delta R.T. 0.000 min
Lab File: 2M143464.D
Acq: 18 Sep 2025 8:20 pm

Tgt Ion:178 Resp: 26348

Ion	Ratio	Lower	Upper
178	100		
179	15.9	0.0	46.1
176	18.3	0.0	47.1

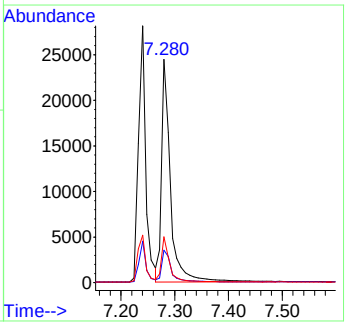


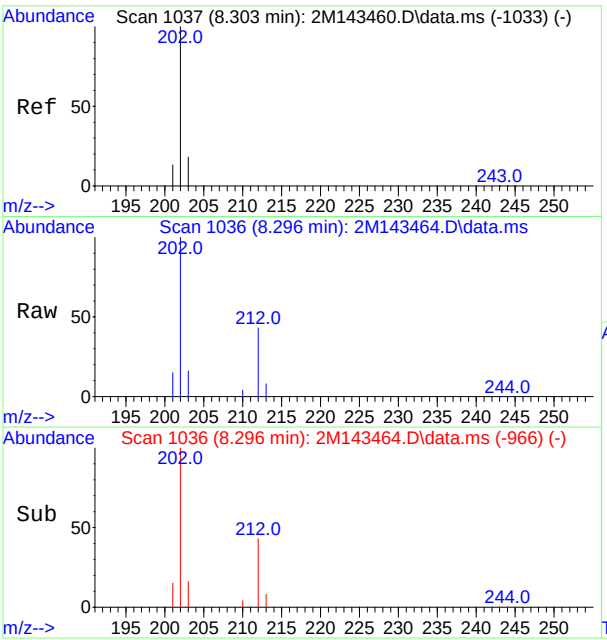


#23
Anthracene
Concen: 195.02 ppb
RT: 7.280 min Scan# 900
Delta R.T. 0.000 min
Lab File: 2M143464.D
Acq: 18 Sep 2025 8:20 pm

Tgt Ion:178 Resp: 27899

Ion	Ratio	Lower	Upper
178	100		
179	14.2	0.0	44.2
176	20.4	0.0	50.7

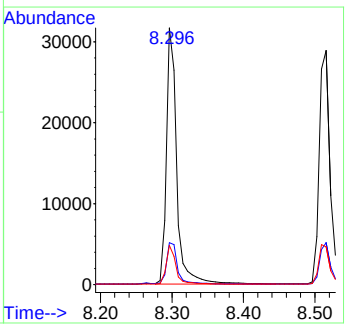


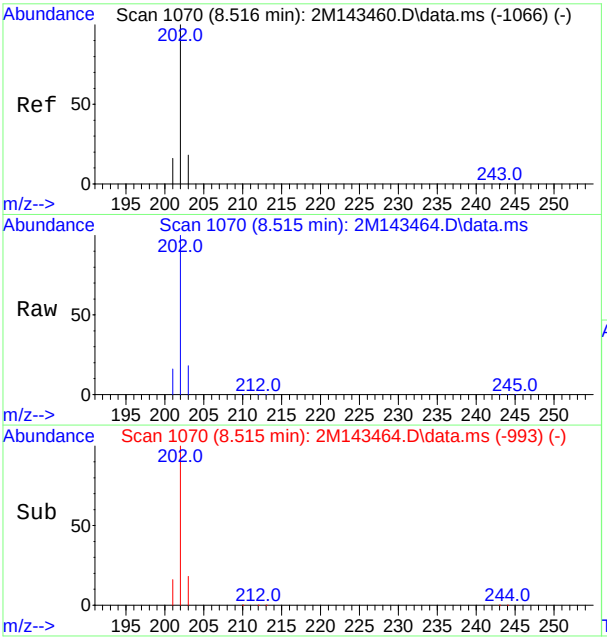


#24
Fluoranthene
Concen: 180.06 ppb
RT: 8.296 min Scan# 1036
Delta R.T. -0.007 min
Lab File: 2M143464.D
Acq: 18 Sep 2025 8:20 pm

Tgt Ion:202 Resp: 32021

Ion	Ratio	Lower	Upper
202	100		
203	16.1	0.0	47.9
201	15.1	0.0	43.2

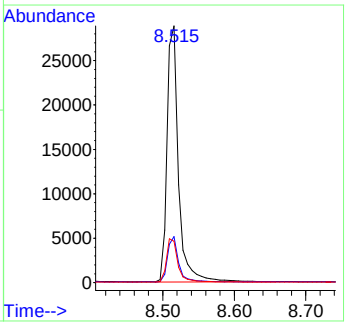


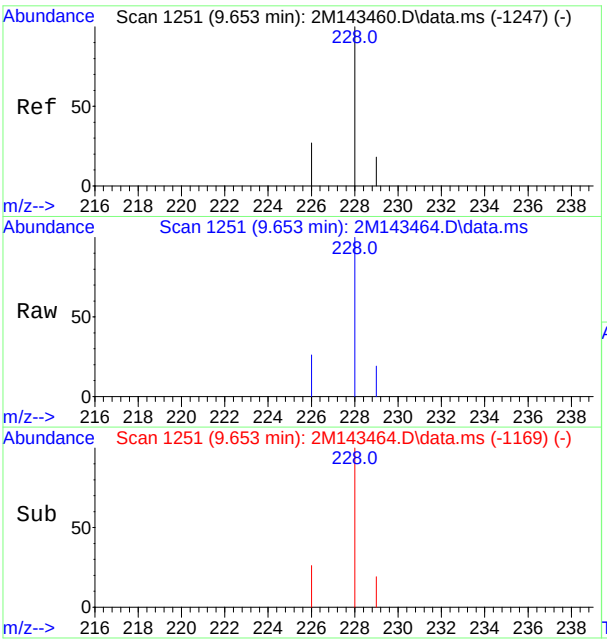


#25
Pyrene
Concen: 180.43 ppb
RT: 8.515 min Scan# 1070
Delta R.T. -0.001 min
Lab File: 2M143464.D
Acq: 18 Sep 2025 8:20 pm

Tgt Ion:202 Resp: 32154

Ion	Ratio	Lower	Upper
202	100		
203	17.7	0.0	48.3
201	16.0	0.0	46.1

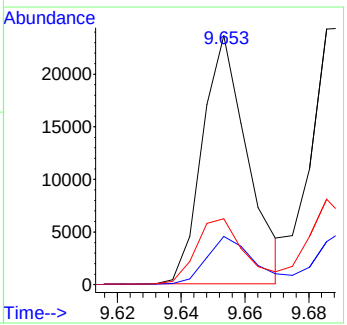


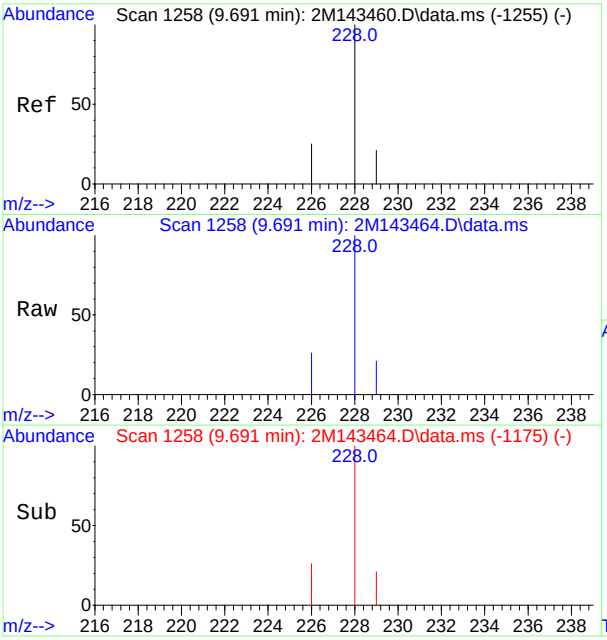


#27
Benzo[a]anthracene
Concen: 186.10 ppb
RT: 9.653 min Scan# 1251
Delta R.T. 0.000 min
Lab File: 2M143464.D
Acq: 18 Sep 2025 8:20 pm

Tgt Ion:228 Resp: 23287

Ion	Ratio	Lower	Upper
228	100		
229	18.8	0.0	48.4
226	26.2	0.0	56.5

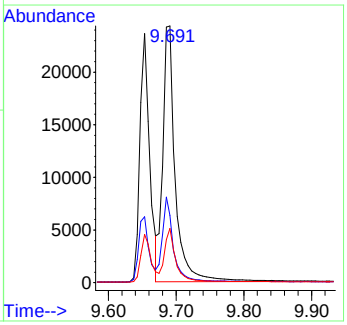


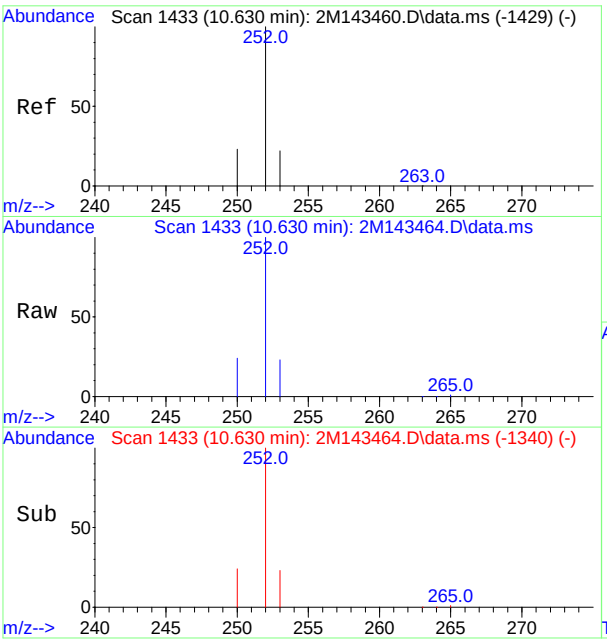


#28
Chrysene
Concen: 197.74 ppb
RT: 9.691 min Scan# 1258
Delta R.T. -0.000 min
Lab File: 2M143464.D
Acq: 18 Sep 2025 8:20 pm

Tgt Ion:228 Resp: 31311

Ion	Ratio	Lower	Upper
228	100		
226	25.9	0.0	55.9
229	20.8	0.0	50.5

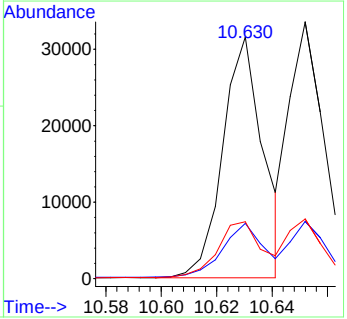


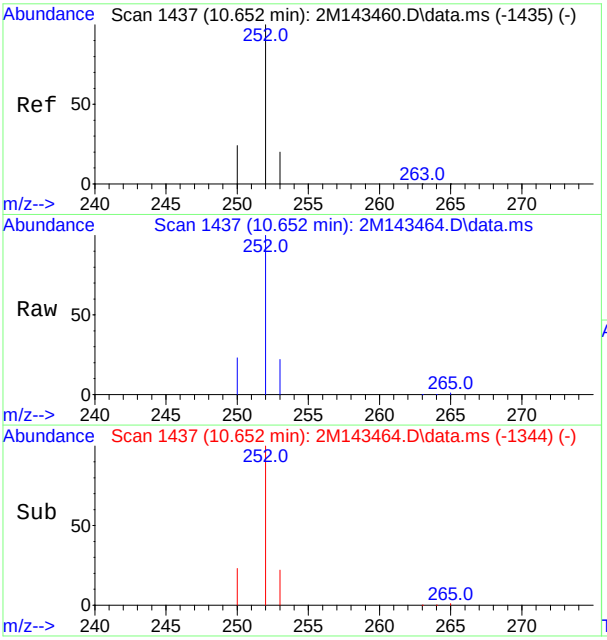


#30
Benzo[b]fluoranthene
Concen: 205.51 ppb
RT: 10.630 min Scan# 1433
Delta R.T. 0.000 min
Lab File: 2M143464.D
Acq: 18 Sep 2025 8:20 pm

Tgt Ion:252 Resp: 31856

Ion	Ratio	Lower	Upper
252	100		
253	22.5	0.0	52.3
250	22.6	0.0	52.9

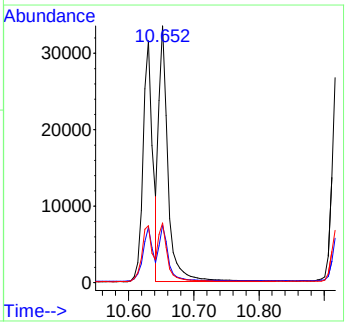


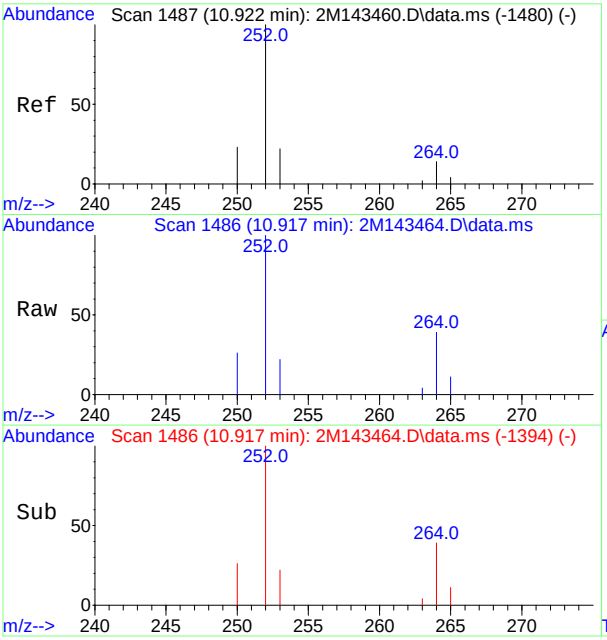


#31
Benzo[k]fluoranthene
Concen: 201.35 ppb
RT: 10.652 min Scan# 1437
Delta R.T. -0.000 min
Lab File: 2M143464.D
Acq: 18 Sep 2025 8:20 pm

Tgt Ion:252 Resp: 33213

Ion	Ratio	Lower	Upper
252	100		
253	21.7	0.0	50.6
250	22.4	0.0	54.0

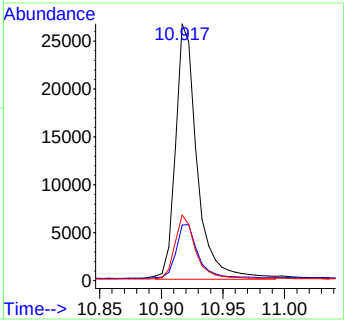


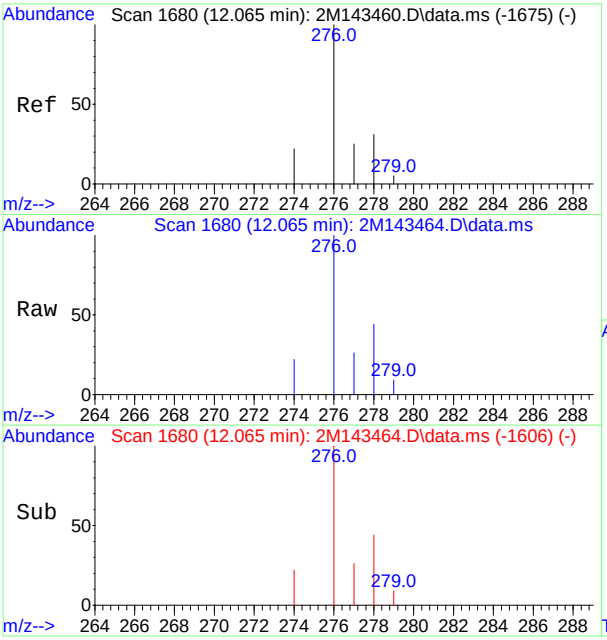


#32
Benzo[a]pyrene
Concen: 187.56 ppb
RT: 10.917 min Scan# 1486
Delta R.T. -0.005 min
Lab File: 2M143464.D
Acq: 18 Sep 2025 8:20 pm

Tgt Ion:252 Resp: 32362

Ion	Ratio	Lower	Upper
252	100		
253	20.9	0.0	52.4
250	25.1	0.0	53.4

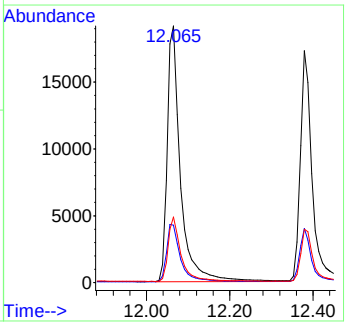


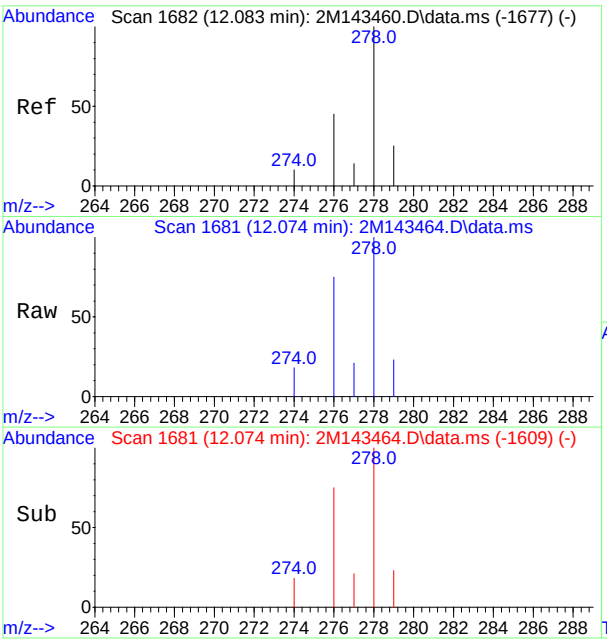


#33
Indeno[1,2,3-cd]pyrene
Concen: 189.45 ppb
RT: 12.065 min Scan# 1680
Delta R.T. 0.000 min
Lab File: 2M143464.D
Acq: 18 Sep 2025 8:20 pm

Tgt Ion:276 Resp: 42175

Ion	Ratio	Lower	Upper
276	100		
274	22.1	0.0	52.2
277	25.2	0.0	54.9

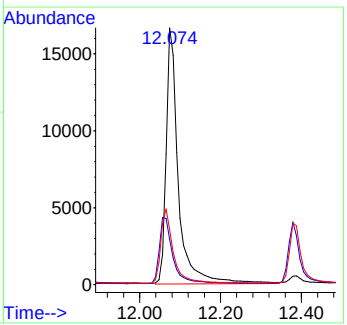


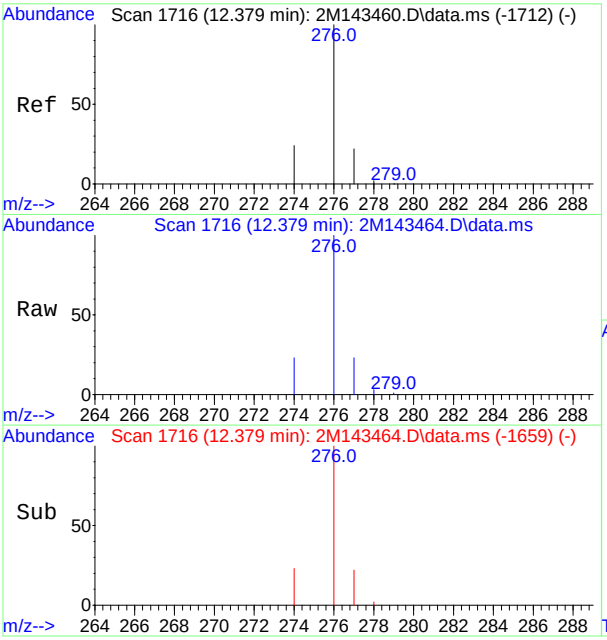


#34
Dibenz[a,h]anthracene
Concen: 199.48 ppb
RT: 12.074 min Scan# 1681
Delta R.T. -0.009 min
Lab File: 2M143464.D
Acq: 18 Sep 2025 8:20 pm

Tgt Ion:278 Resp: 35237

Ion	Ratio	Lower	Upper
278	100		
274	16.0	0.0	40.7
277	20.2	0.0	44.0

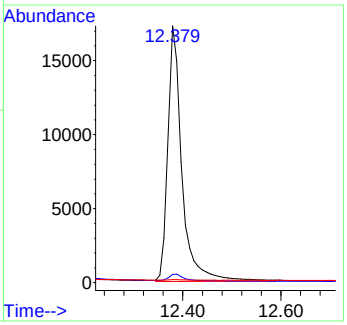




#35
Benzo[g,h,i]perylene
Concen: 188.91 ppb
RT: 12.379 min Scan# 1716
Delta R.T. 0.000 min
Lab File: 2M143464.D
Acq: 18 Sep 2025 8:20 pm

Tgt Ion:276 Resp: 34838

Ion	Ratio	Lower	Upper
276	100		
278	2.5	0.0	32.2
279	0.2	0.0	30.1



Manual Integration Approval Summary

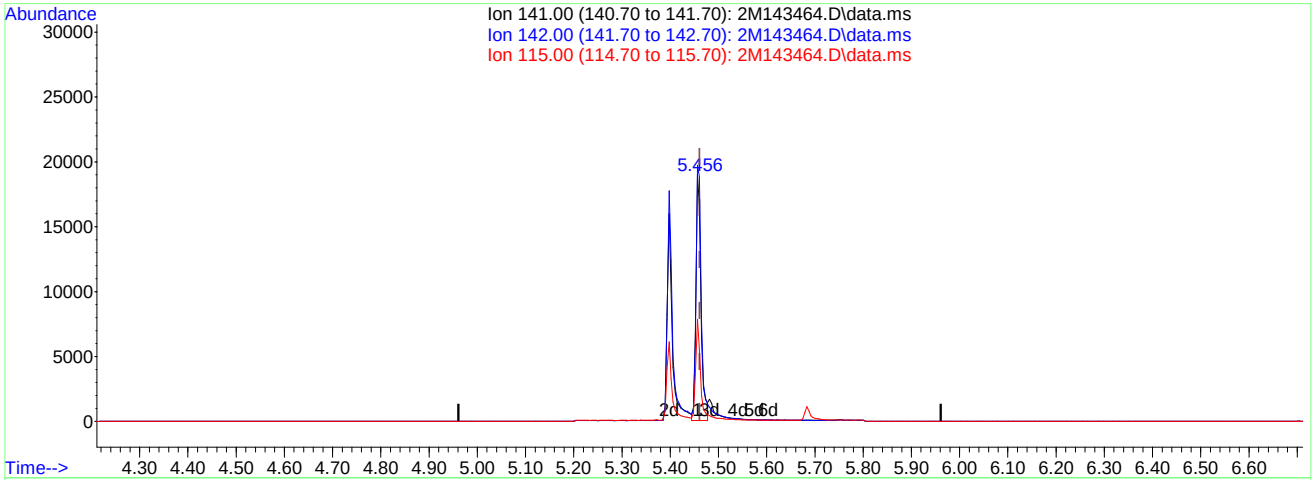
Sample Number: E2M6496-ICV6496
Lab FileID: 2M143464.D
Injection Time: 09/18/25 20:20
Method: SW846 8270E BY SIM
Analyst approved: 09/19/25 10:52 Ying Li
Supervisor approved: 09/19/25 11:26 Jon Kreigmor Mamanta

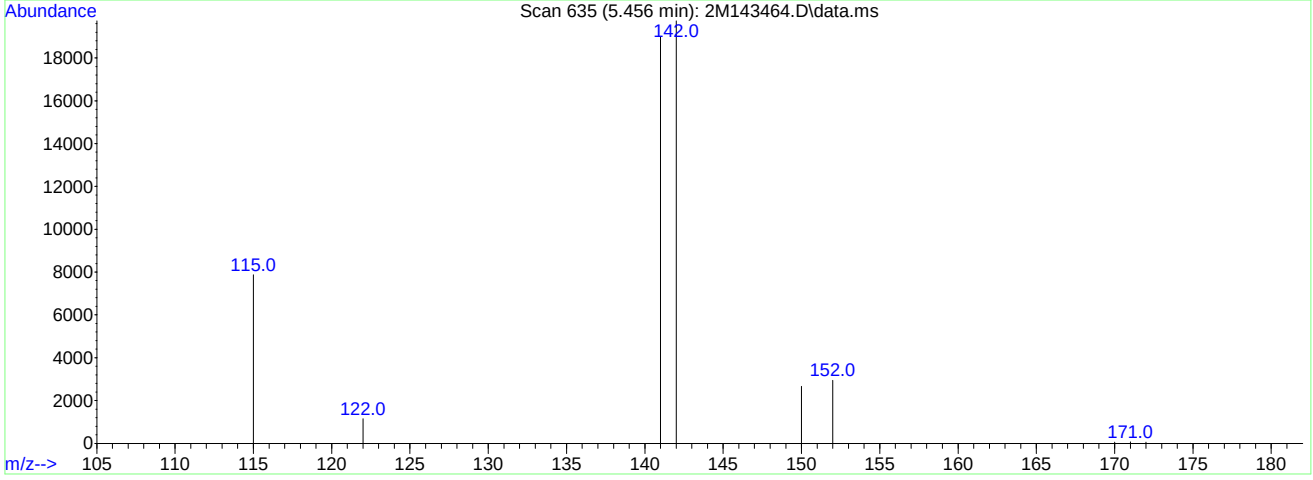
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,4-Dioxane	123-91-1		2.11	Poor instrument integration
1-Methylnaphthalene	90-12-0		5.46	Poor instrument integration
Acenaphthylene	208-96-8		5.97	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143464.D
Acq On : 18 Sep 2025 8:20 pm
Operator : rocquans
Sample : icv6496-0.2
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 19 10:31:39 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 10:27:40 2025
Response via : Initial Calibration





TIC: 2M143464.D\data.ms

(10) 1-Methylnaphthalene (t)

5.456min (-0.005) 191.67ppb

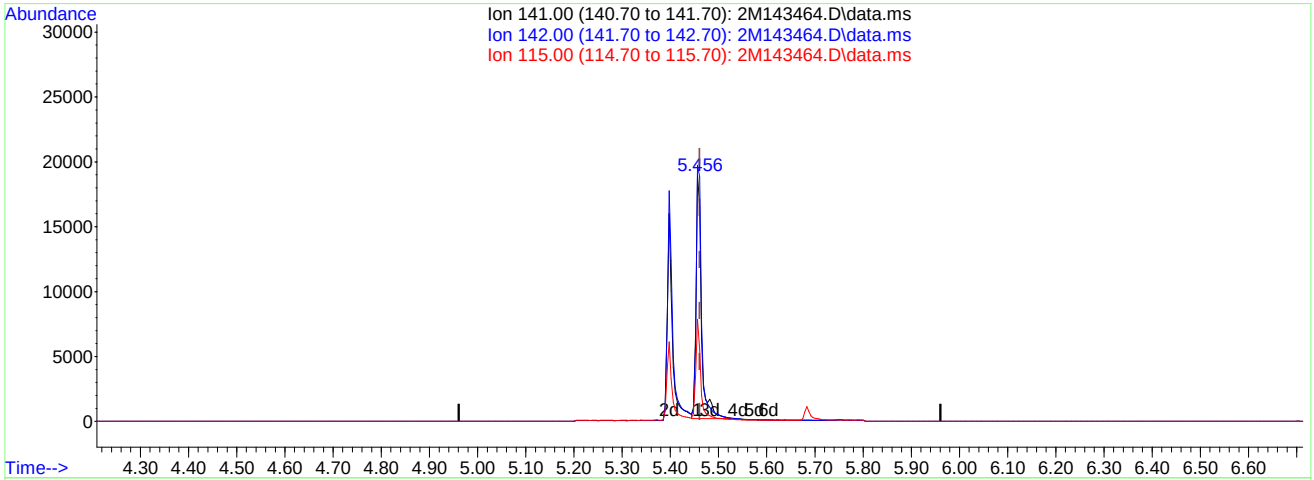
response 13802

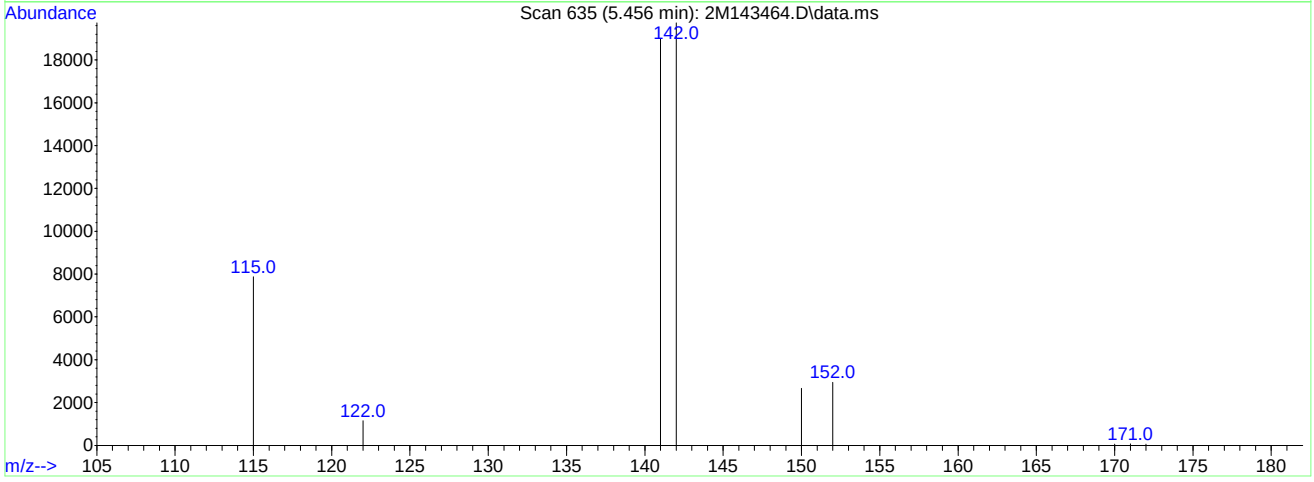
Ion	Exp%	Act%
141.00	100	100
142.00	115.60	104.57
115.00	34.20	41.59
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143464.D
Acq On : 18 Sep 2025 8:20 pm
Operator : rocquans
Sample : icv6496-0.2
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 19 10:31:39 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 10:27:40 2025
Response via : Initial Calibration





TIC: 2M143464.D\data.ms

(10) 1-Methylnaphthalene (t)

5.456min (-0.005) 204.60ppb m

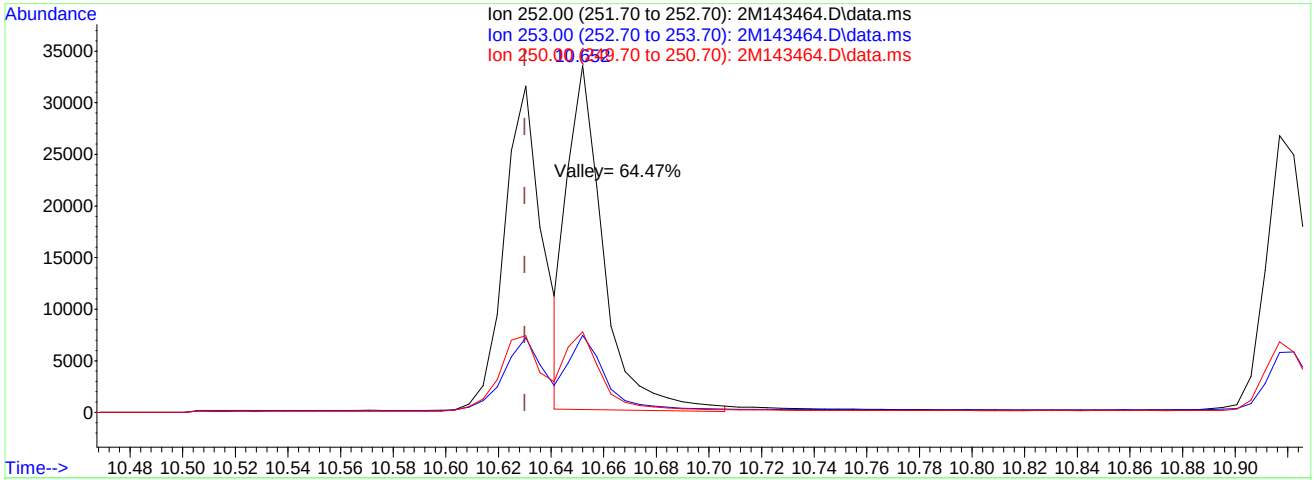
response 14733

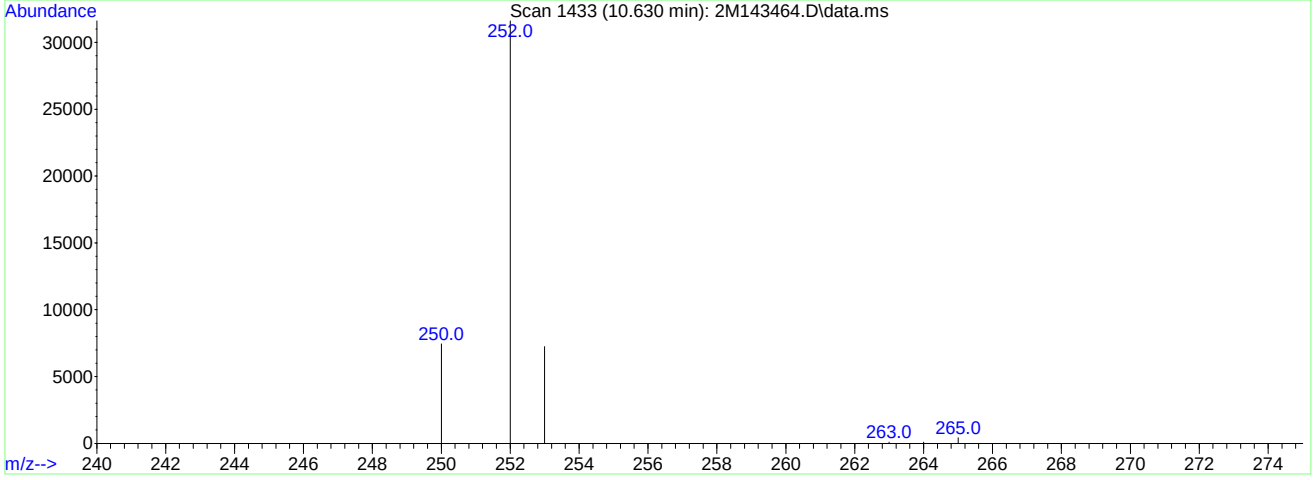
Ion	Exp%	Act%
141.00	100	100
142.00	115.60	103.87
115.00	34.20	41.41
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143464.D
Acq On : 18 Sep 2025 8:20 pm
Operator : rocquans
Sample : icv6496-0.2
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 19 10:31:39 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 10:27:40 2025
Response via : Initial Calibration





TIC: 2M143464.D\data.ms

(30) Benzo[b]fluoranthene (t)

10.630min (+0.000) 205.51ppb

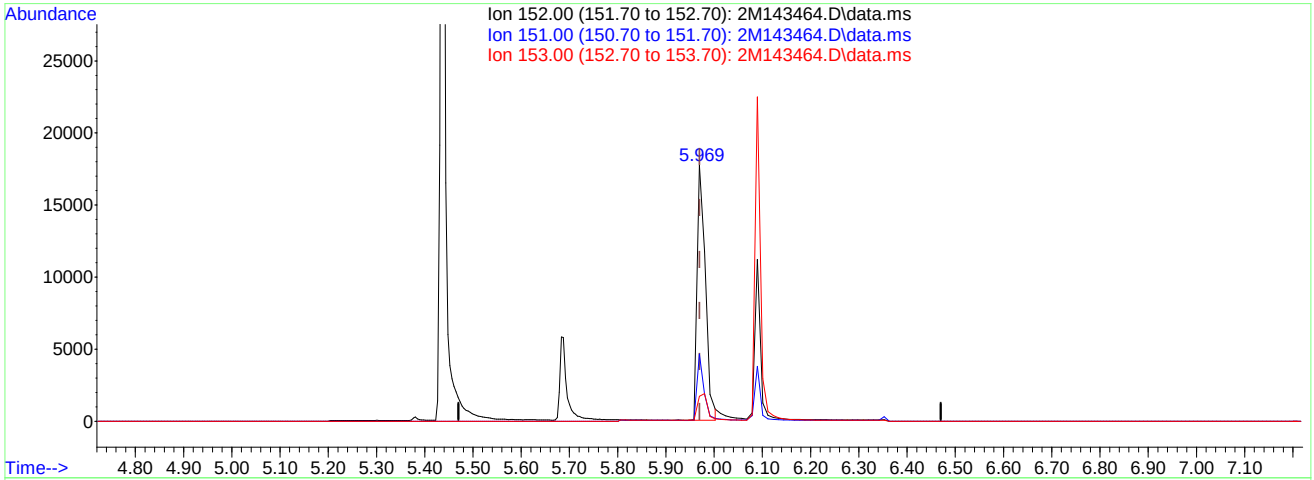
response 31856

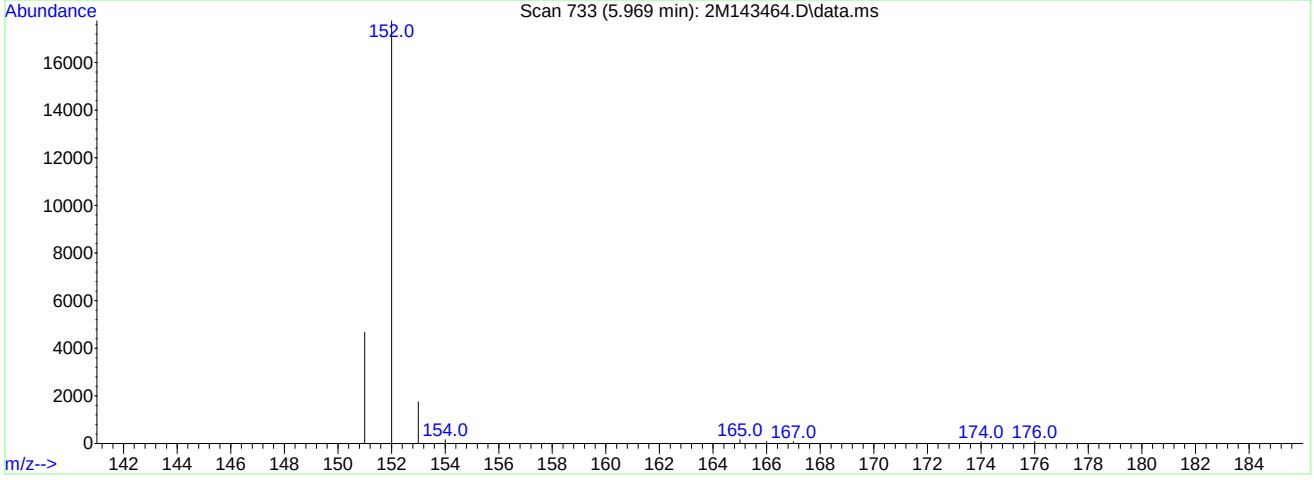
Ion	Exp%	Act%
252.00	100	100
253.00	22.30	22.48
250.00	22.90	22.63
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143464.D
Acq On : 18 Sep 2025 8:20 pm
Operator : rocquans
Sample : icv6496-0.2
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 19 10:31:39 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 10:27:40 2025
Response via : Initial Calibration





TIC: 2M143464.D\data.ms

(14) Acenaphthylene (t)

5.969min (-0.001) 177.66ppb

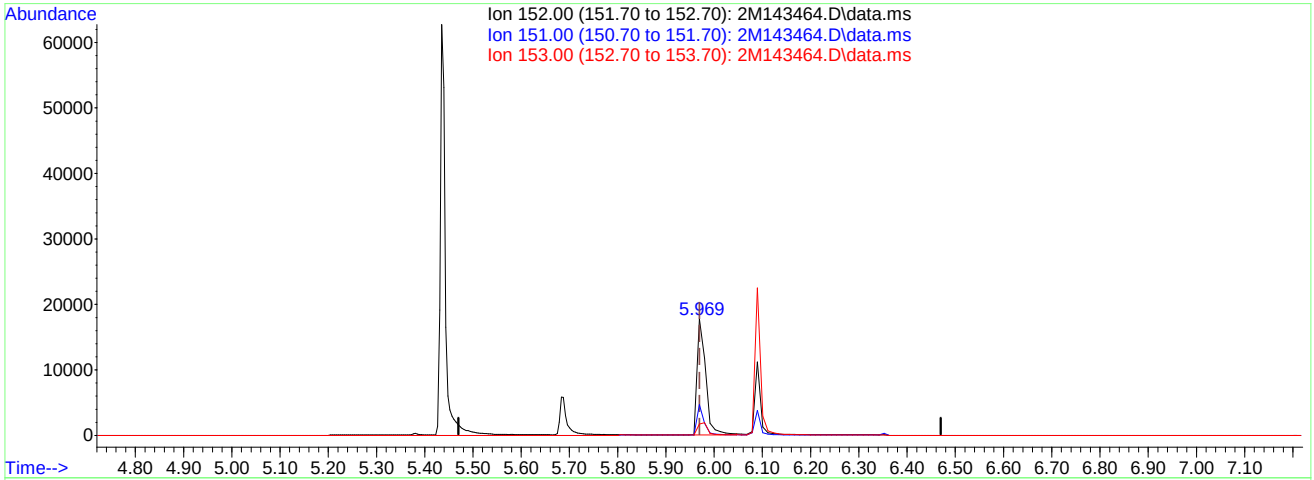
response 20968

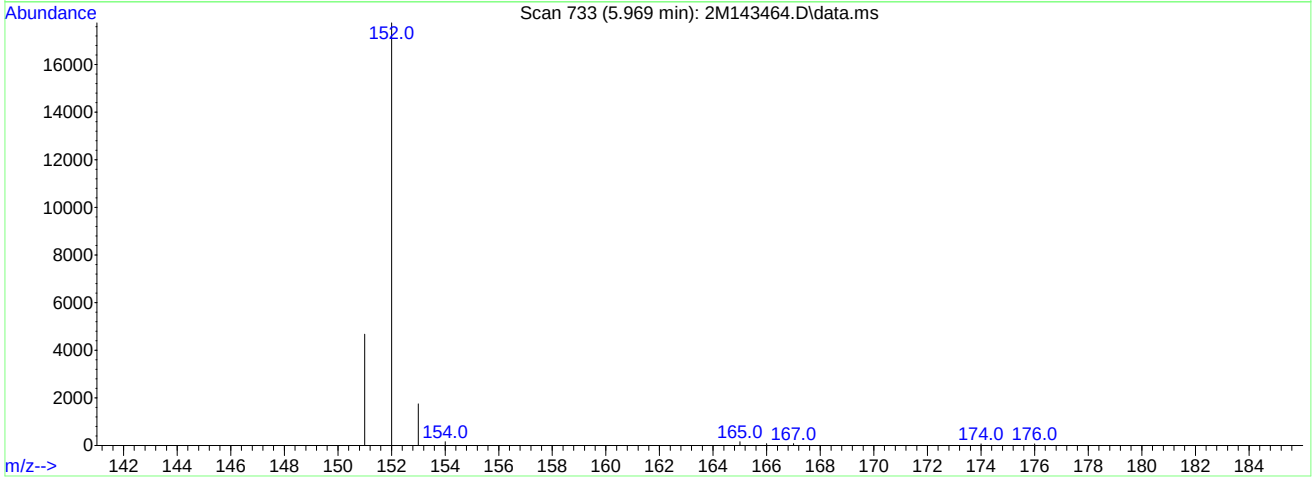
Ion	Exp%	Act%
152.00	100	100
151.00	26.10	26.19
153.00	10.00	9.39
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143464.D
Acq On : 18 Sep 2025 8:20 pm
Operator : rocquans
Sample : icv6496-0.2
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 19 10:31:39 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 10:27:40 2025
Response via : Initial Calibration





TIC: 2M143464.D\data.ms

(14) Acenaphthylene (t)

5.969min (-0.001) 183.71ppb m

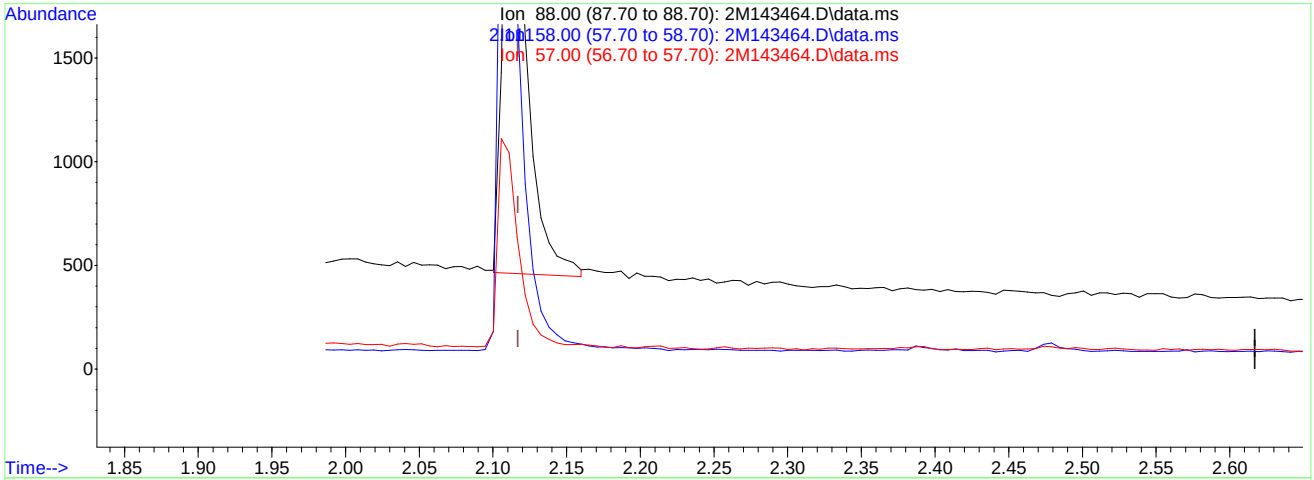
response 21682

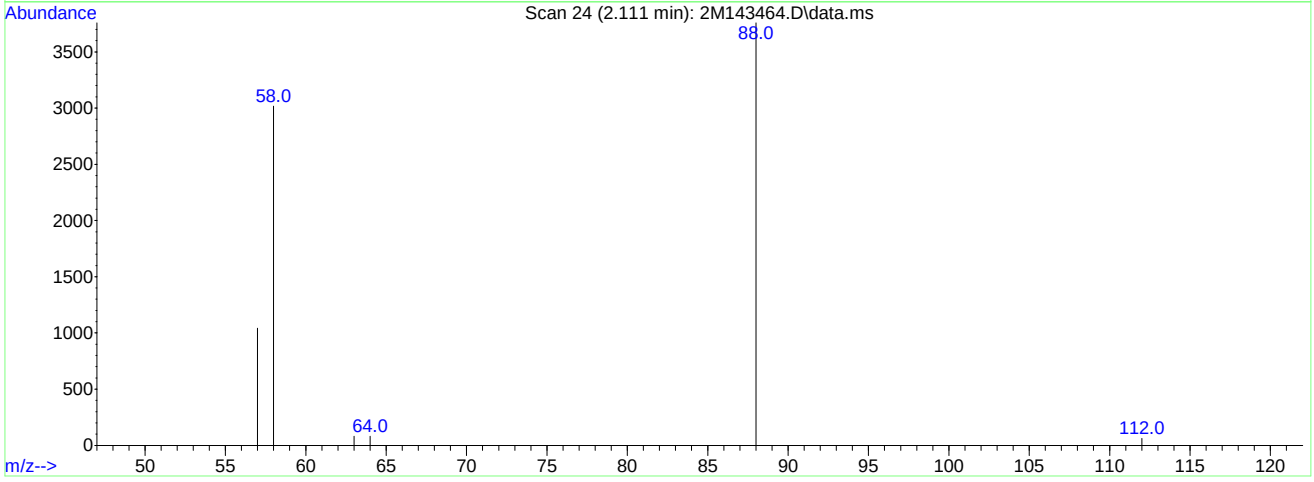
Ion	Exp%	Act%
152.00	100	100
151.00	26.10	26.31
153.00	10.00	9.85
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143464.D
Acq On : 18 Sep 2025 8:20 pm
Operator : rocquans
Sample : icv6496-0.2
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 19 10:31:39 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 10:27:40 2025
Response via : Initial Calibration





TIC: 2M143464.D\data.ms

(2) 1,4-Dioxane (t)

2.111min (-0.006) 198.57ppb

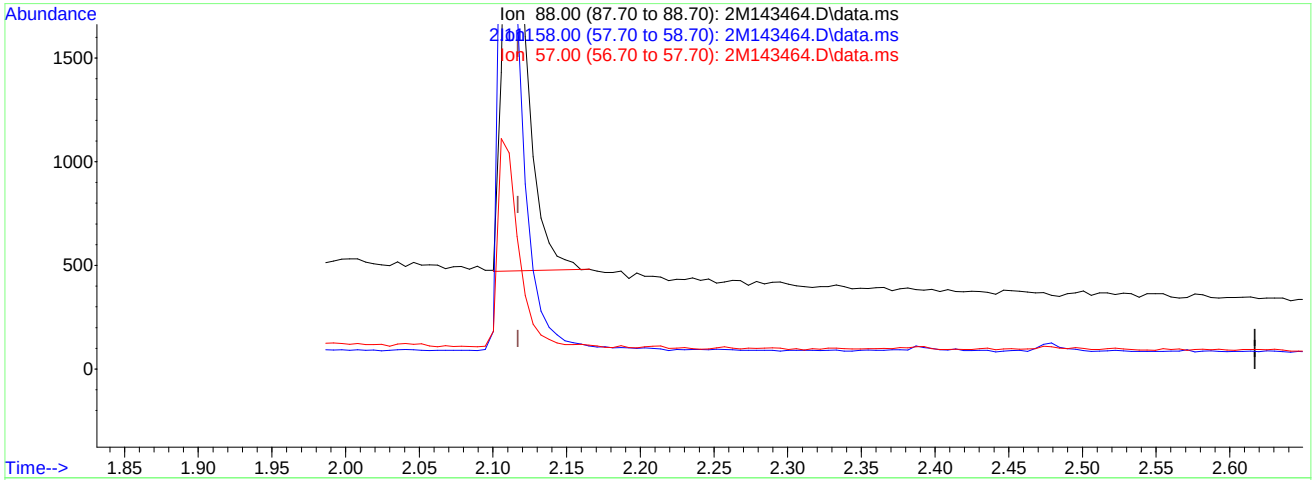
response 2892

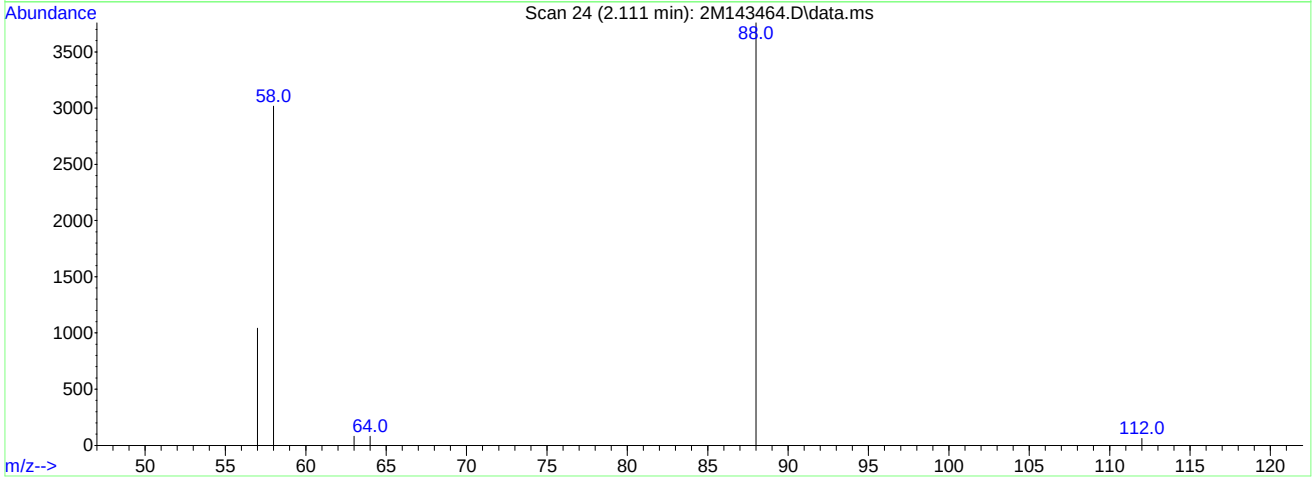
Ion	Exp%	Act%
88.00	100	100
58.00	77.00	87.28
57.00	28.30	27.15
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143464.D
Acq On : 18 Sep 2025 8:20 pm
Operator : rocquans
Sample : icv6496-0.2
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 19 10:31:39 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 10:27:40 2025
Response via : Initial Calibration





TIC: 2M143464.D\data.ms

(2) 1,4-Dioxane (t)

2.111min (-0.006) 193.83ppb m

response 2823

Ion	Exp%	Act%
88.00	100	100
58.00	77.00	80.23
57.00	28.30	27.72
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143465.D
Acq On : 18 Sep 2025 8:40 pm
Operator : rocquans
Sample : icv6496-1
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 19 10:36:01 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 10:27:40 2025
Response via : Initial Calibration

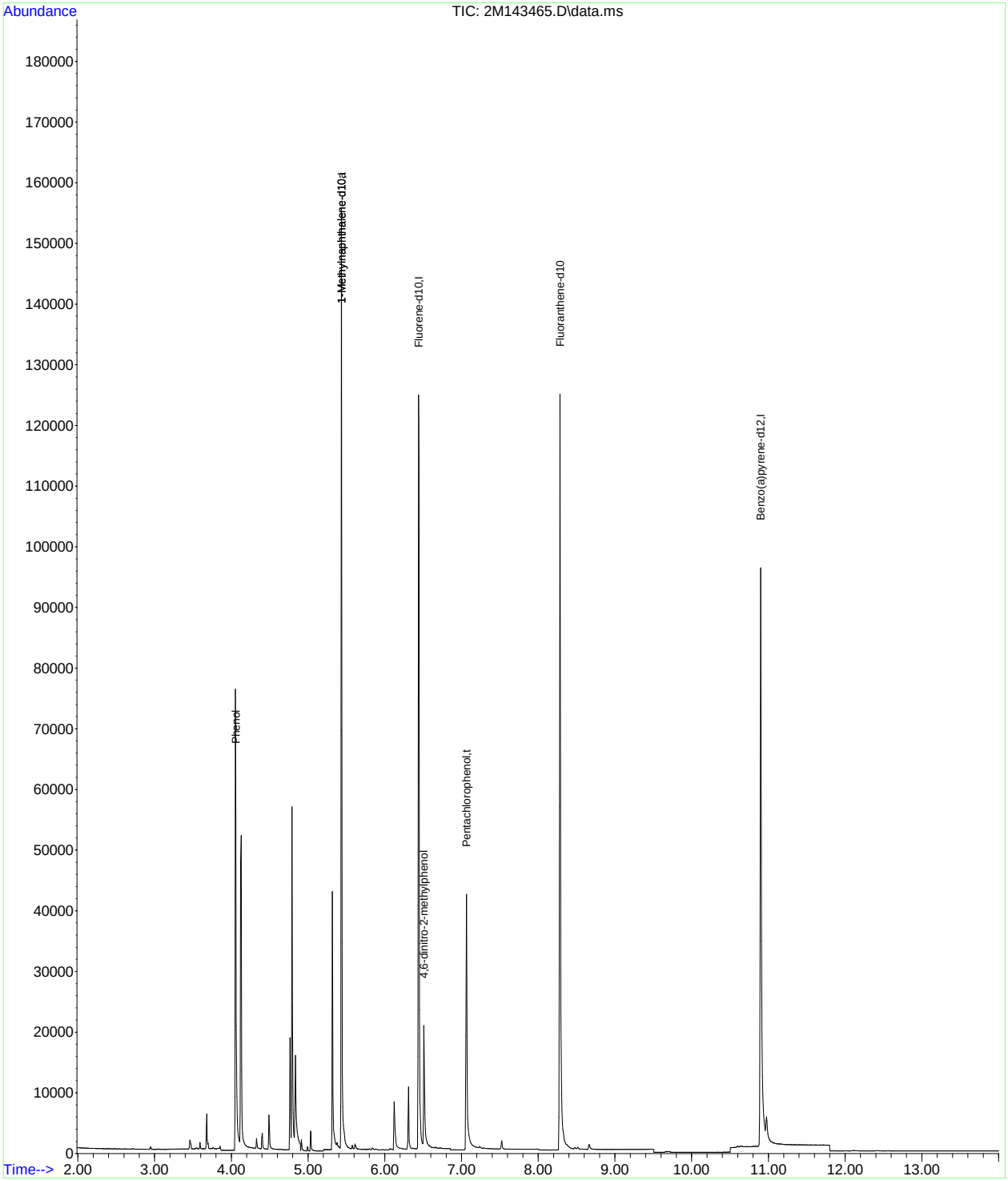
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	5.435	150	41150	800.00	ppb	0.00
12) Fluorene-d10	6.440	176	56417	800.00	ppb	0.00
19) Fluoranthene-d10	8.283	212	96038	800.00	ppb	0.00
29) Benzo(a)pyrene-d12	10.901	264	91116	800.00	ppb	0.00
36) 1-Methylnaphthalene-d10a	5.435	150	41150	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	0.000	112	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
4) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
6) Nitrobenzene-d5	0.000	82	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
13) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
18) 2,4,6-Tribromophenol	0.000	330	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
26) Terphenyl-d14	0.000	244	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
Target Compounds						Qvalue
5) Phenol	4.059	94	42874	1056.41	ppb	# 85
17) 4,6-dinitro-2-methylph...	6.509	198	11118	1136.30	ppb	# 66
21) Pentachlorophenol	7.065	266	20700	2123.20	ppb	90

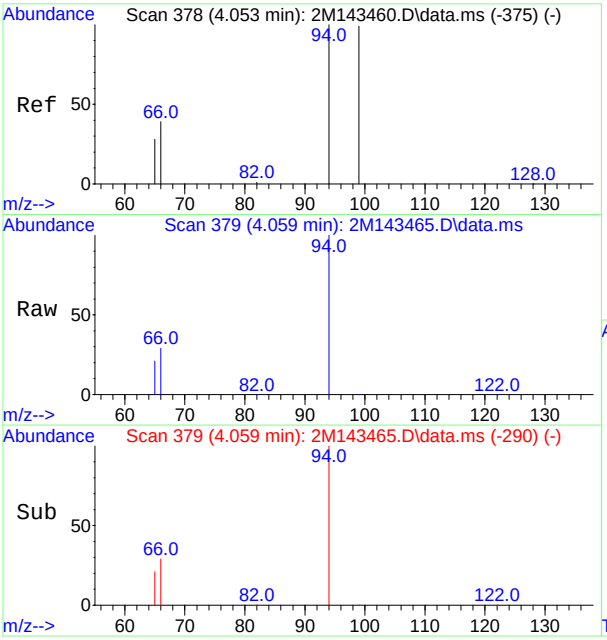
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E2M6496\
Data File : 2M143465.D
Acq On : 18 Sep 2025 8:40 pm
Operator : rocquans
Sample : icv6496-1
Misc : op67209a,E2M6496,250,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 19 10:36:01 2025
Quant Method : C:\MSDCHEM\1\METHODS\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Sep 19 10:27:40 2025
Response via : Initial Calibration

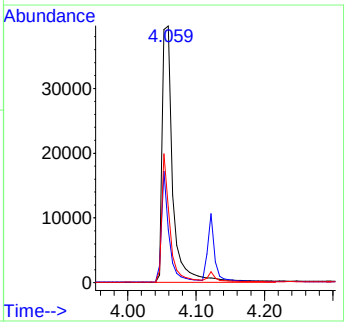


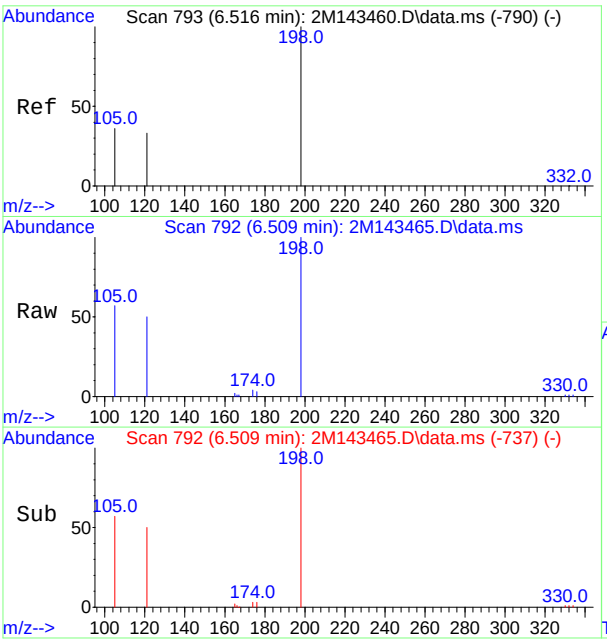


#5
Phenol
Concen: 1056.41 ppb
RT: 4.059 min Scan# 379
Delta R.T. 0.006 min
Lab File: 2M143465.D
Acq: 18 Sep 2025 8:40 pm

Tgt Ion: 94 Resp: 42874

Ion	Ratio	Lower	Upper
94	100		
65	20.3	22.2	33.2#
66	29.0	31.2	46.8#

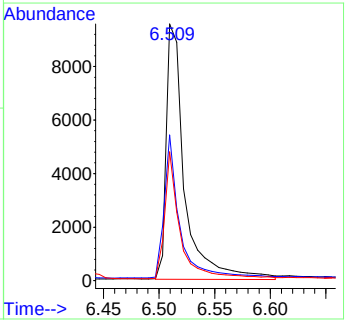


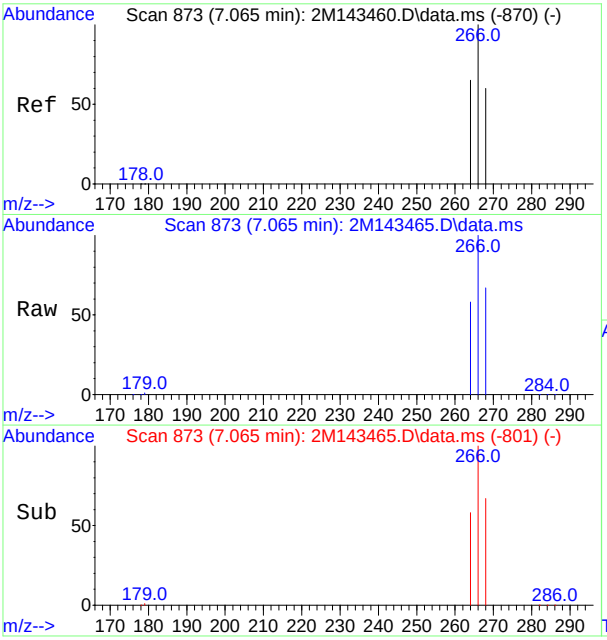


#17
4,6-dinitro-2-methylphenol
Concen: 1136.30 ppb
RT: 6.509 min Scan# 792
Delta R.T. -0.007 min
Lab File: 2M143465.D
Acq: 18 Sep 2025 8:40 pm

Tgt Ion:198 Resp: 11118

Ion	Ratio	Lower	Upper
198	100		
105	56.0	14.9	54.9#
121	49.8	12.5	52.5

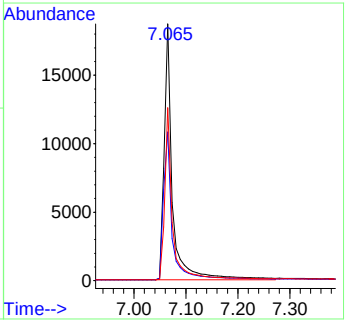




#21
Pentachlorophenol
Concen: 2123.20 ppb
RT: 7.065 min Scan# 873
Delta R.T. 0.000 min
Lab File: 2M143465.D
Acq: 18 Sep 2025 8:40 pm

Tgt Ion:266 Resp: 20700

Ion	Ratio	Lower	Upper
266	100		
264	57.8	35.4	95.4
268	67.2	30.0	90.0



Manual Integrations APPROVED (compounds with "m" flag)
Ying Li
10/20/25 09:38

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\anthonyt\10-19-25\e2m6525\
Data File : 2M144238.d
Acq On : 18 Oct 2025 11:56 am
Operator : rocquans
Sample : cc6496-0.2 Inst : GCMS2M
Misc : op68078a,E2M6525,250,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 19 13:11:24 2025
Quant Method : X:\Dayton SVOA GCMS\anthonyt\methods\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sun Oct 19 13:10:37 2025
Response via : Initial Calibration

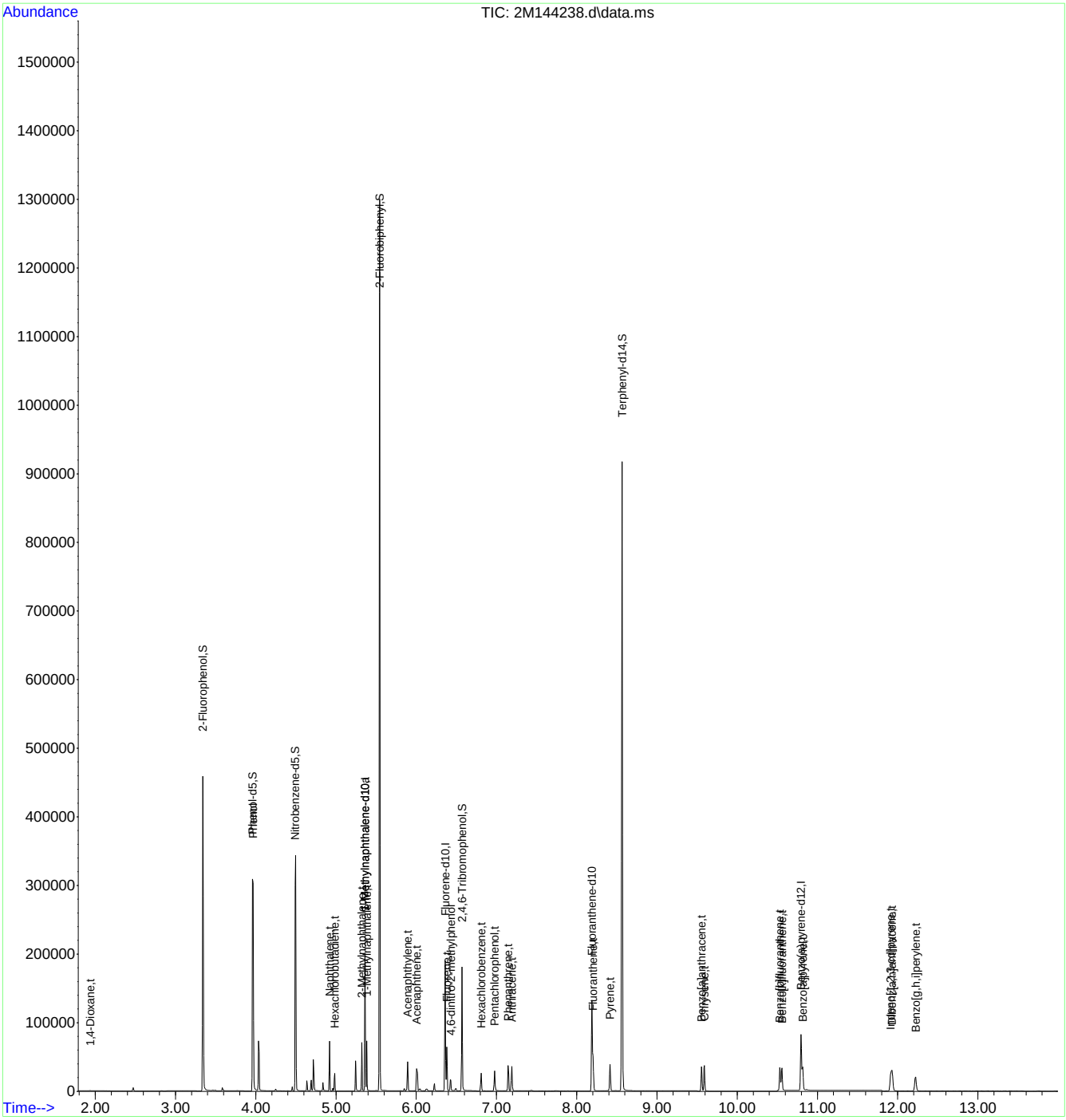
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	5.361	150	46584	800.00	ppb	0.00
12) Fluorene-d10	6.361	176	56891	800.00	ppb	0.00
19) Fluoranthene-d10	8.191	212	80530	800.00	ppb	0.00
29) Benzo(a)pyrene-d12	10.796	264	56438	800.00	ppb	0.00
36) 1-Methylnaphthalene-d10a	5.361	150	46584	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	3.340	112	137648	3764.90	ppb	0.00
Spiked Amount 10000.000			Recovery =	37.65%		
4) Phenol-d5	3.960	99	174333	4379.27	ppb	0.00
Spiked Amount 10000.000			Recovery =	43.79%		
6) Nitrobenzene-d5	4.492	82	179383	4882.07	ppb	-0.02
Spiked Amount 10000.000			Recovery =	48.82%		
13) 2-Fluorobiphenyl	5.546	172	472618	5177.72	ppb	0.00
Spiked Amount 10000.000			Recovery =	51.78%		
18) 2,4,6-Tribromophenol	6.570	330	49716	4056.78	ppb	0.00
Spiked Amount 10000.000			Recovery =	40.57%		
26) Terphenyl-d14	8.565	244	474165	5558.19	ppb	0.00
Spiked Amount 10000.000			Recovery =	55.58%		
Target Compounds						Qvalue
2) 1,4-Dioxane	1.938	88	162m	9.7168	ppb	
5) Phenol	3.966	94	55070	1198.6395	ppb	# 75
7) Naphthalene	4.920	128	30174	218.3264	ppb	98
8) Hexachlorobutadiene	4.984	225	6752	276.5424	ppb	78
9) 2-Methylnaphthalene	5.323	141	15127	191.2298	ppb	99
10) 1-Methylnaphthalene	5.382	141	16722	202.8673	ppb	87
14) Acenaphthylene	5.894	152	23124	196.8256	ppb	83
15) Acenaphthene	6.003	153	13197	151.6594	ppb	# 47
16) Fluorene	6.380	166	20227	205.8507	ppb	95
17) 4,6-dinitro-2-methylph...	6.430	198	7149	754.8900	ppb	87
20) Hexachlorobenzene	6.809	284	7650	282.6092	ppb	96
21) Pentachlorophenol	6.977	266	9807	1322.5509	ppb	93
22) Phenanthrene	7.144	178	23641	199.3878	ppb	91
23) Anthracene	7.192	178	20018	169.3942	ppb	95
24) Fluoranthene	8.204	202	28806	196.0931	ppb	98
25) Pyrene	8.416	202	23692	160.9361	ppb	99
27) Benzo[a]anthracene	9.555	228	19854	192.0698	ppb	97
28) Chrysene	9.592	228	22556	172.4443	ppb	100
30) Benzo[b]fluoranthene	10.531	252	20998	217.1200	ppb	94
31) Benzo[k]fluoranthene	10.558	252	22799	221.5327	ppb	97
32) Benzo[a]pyrene	10.817	252	23415	217.5151	ppb	100
33) Indeno[1,2,3-cd]pyrene	11.911	276	26936	193.9384	ppb	95
34) Dibenz[a,h]anthracene	11.929	278	21870	198.4376	ppb	95
35) Benzo[g,h,i]perylene	12.225	276	21728	188.8465	ppb	98

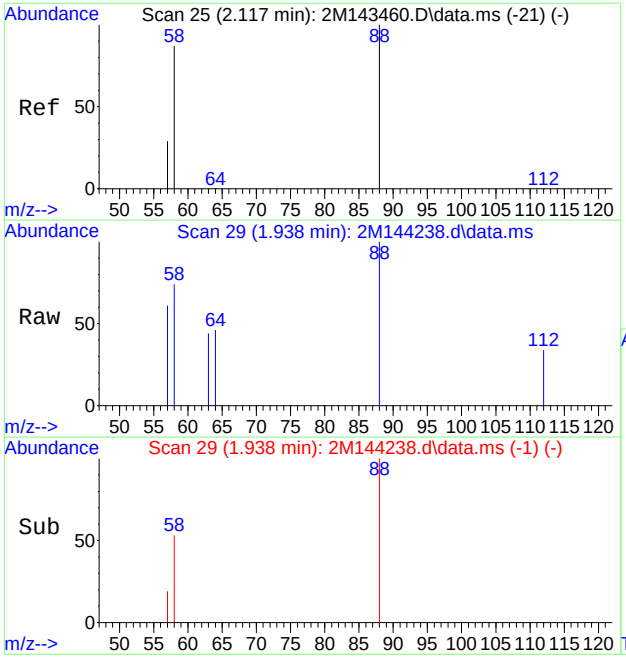
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\anthonyt\10-19-25\e2m6525\
Data File : 2M144238.d
Acq On : 18 Oct 2025 11:56 am
Operator : rocquans
Sample : cc6496-0.2 Inst : GCMS2M
Misc : op68078a,E2M6525,250,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 19 13:11:24 2025
Quant Method : X:\Dayton SVOA GCMS\anthonyt\methods\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sun Oct 19 13:10:37 2025
Response via : Initial Calibration

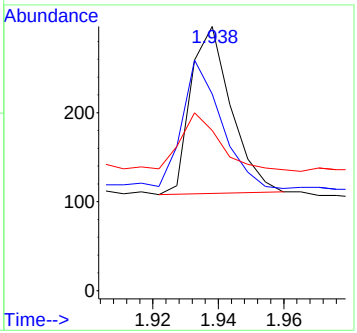


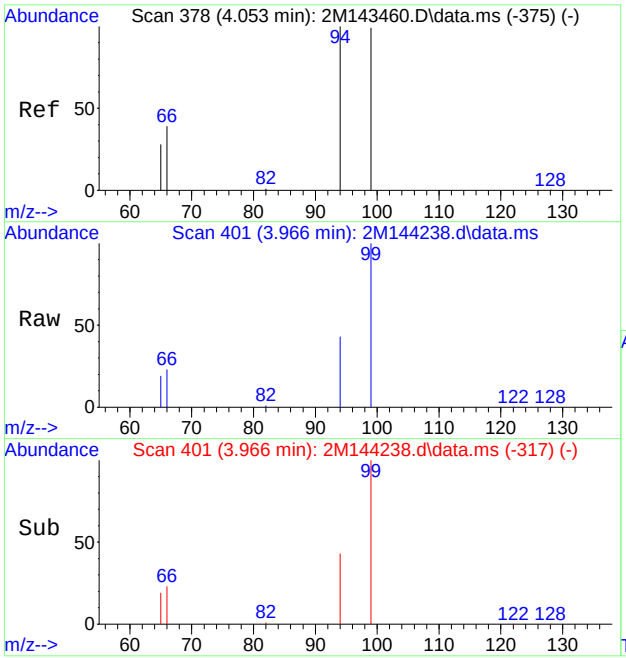


#2
1,4-Dioxane
Concen: 9.7168 ppb m
RT: 1.938 min Scan# 29
Delta R.T. 0.000 min
Lab File: 2M144238.d
Acq: 18 Oct 2025 11:56 am

Tgt Ion: 88 Resp: 162

Ion	Ratio	Lower	Upper
88	100		
58	74.4	54.4	94.4
57	60.6	40.6	80.6

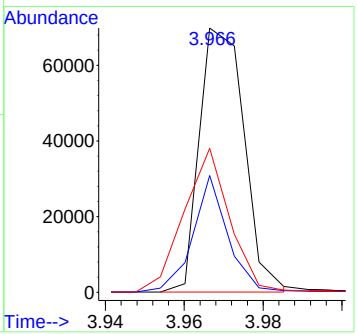


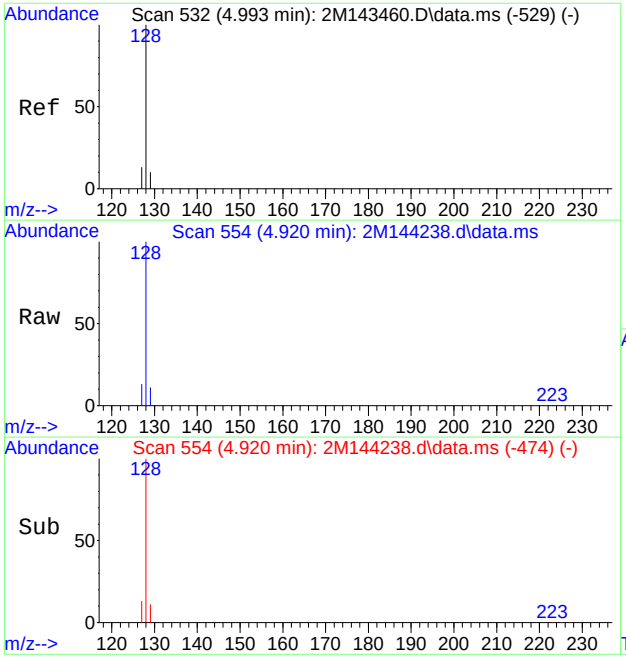


#5
Phenol
Concen: 1198.6395 ppb
RT: 3.966 min Scan# 401
Delta R.T. -0.031 min
Lab File: 2M144238.d
Acq: 18 Oct 2025 11:56 am

Tgt Ion: 94 Resp: 55070

Ion	Ratio	Lower	Upper
94	100		
65	43.6	22.2	33.2#
66	51.7	31.2	46.8#

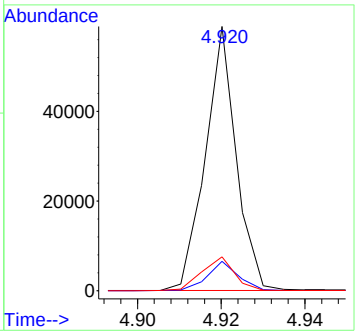


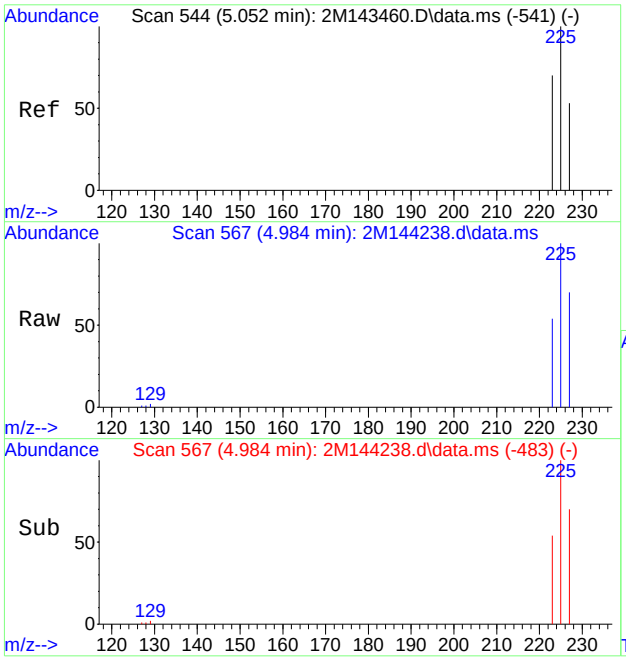


#7
Naphthalene
Concen: 218.3264 ppb
RT: 4.920 min Scan# 554
Delta R.T. -0.004 min
Lab File: 2M144238.d
Acq: 18 Oct 2025 11:56 am

Tgt Ion:128 Resp: 30174

Ion	Ratio	Lower	Upper
128	100		
129	11.0	0.0	40.0
127	12.7	0.0	43.4

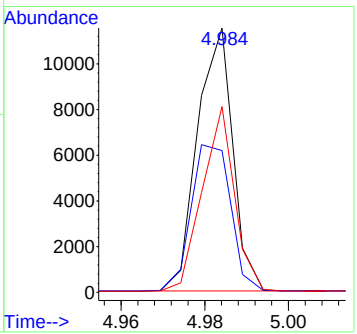


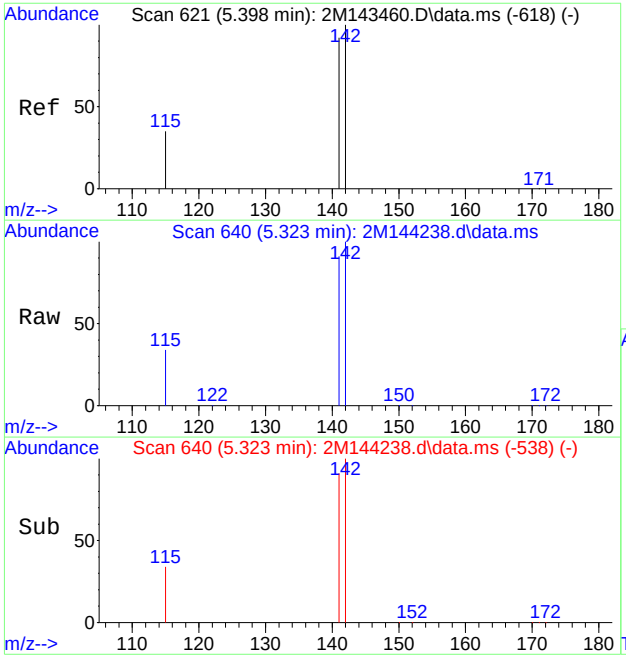


#8
Hexachlorobutadiene
Concen: 276.5424 ppb
RT: 4.984 min Scan# 567
Delta R.T. 0.002 min
Lab File: 2M144238.d
Acq: 18 Oct 2025 11:56 am

Tgt Ion:225 Resp: 6752

Ion	Ratio	Lower	Upper
225	100		
223	53.3	40.4	100.4
227	70.1	23.7	83.7

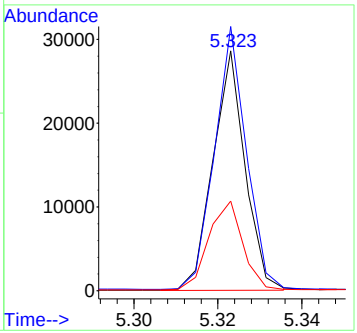


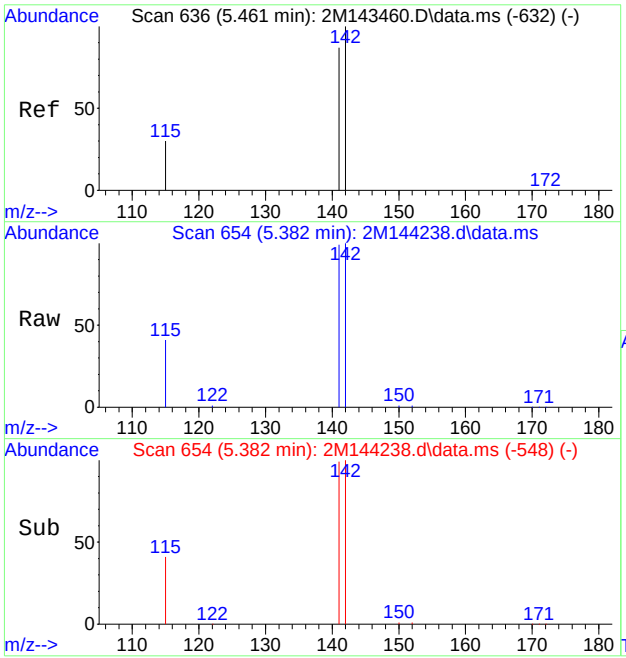


#9
2-Methylnaphthalene
Concen: 191.2298 ppb
RT: 5.323 min Scan# 640
Delta R.T. -0.000 min
Lab File: 2M144238.d
Acq: 18 Oct 2025 11:56 am

Tgt Ion:141 Resp: 15127

Ion	Ratio	Lower	Upper
141	100		
142	110.0	79.2	139.2
115	37.2	8.0	68.0

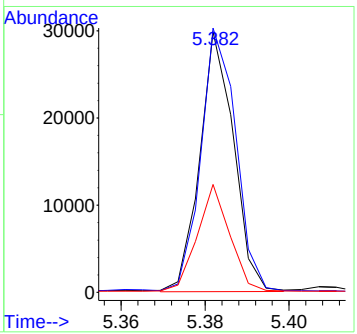


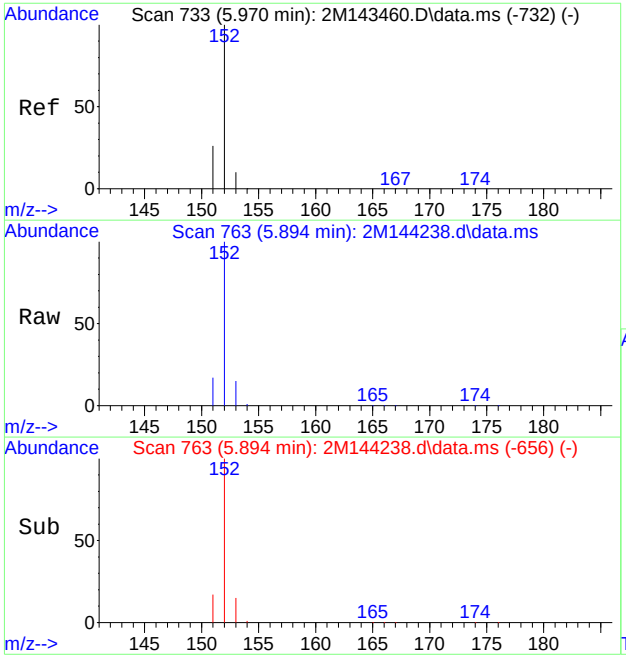


#10
1-Methylnaphthalene
Concen: 202.8673 ppb
RT: 5.382 min Scan# 654
Delta R.T. -0.004 min
Lab File: 2M144238.d
Acq: 18 Oct 2025 11:56 am

Tgt Ion:141 Resp: 16722

Ion	Ratio	Lower	Upper
141	100		
142	101.6	85.6	145.6
115	41.1	4.2	64.2

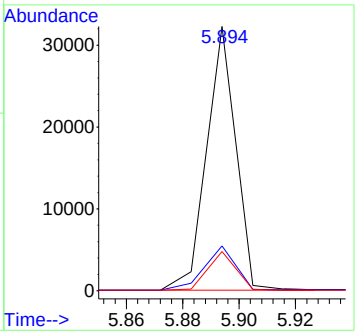


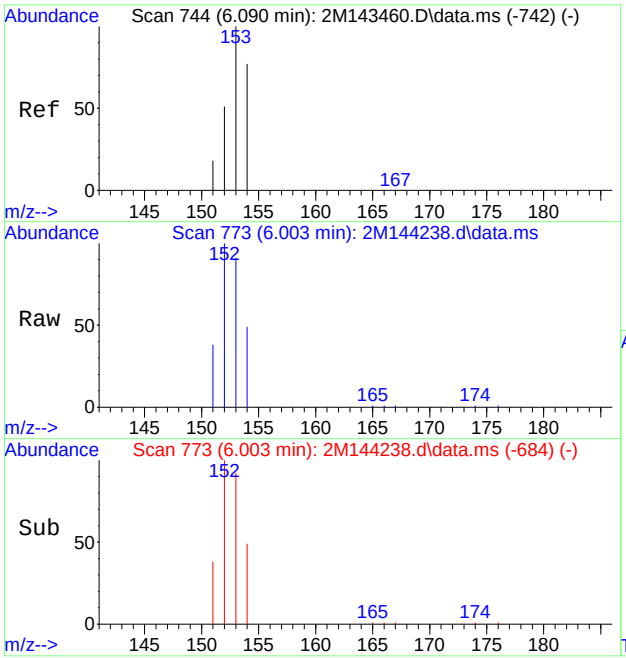


#14
Acenaphthylene
Concen: 196.8256 ppb
RT: 5.894 min Scan# 763
Delta R.T. 0.003 min
Lab File: 2M144238.d
Acq: 18 Oct 2025 11:56 am

Tgt Ion:152 Resp: 23124

Ion	Ratio	Lower	Upper
152	100		
151	16.7	0.0	56.1
153	14.7	0.0	40.0

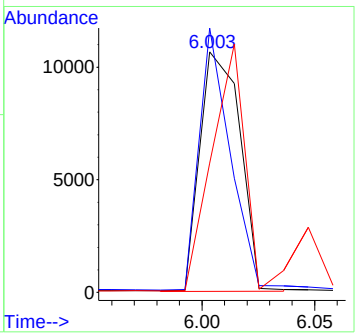


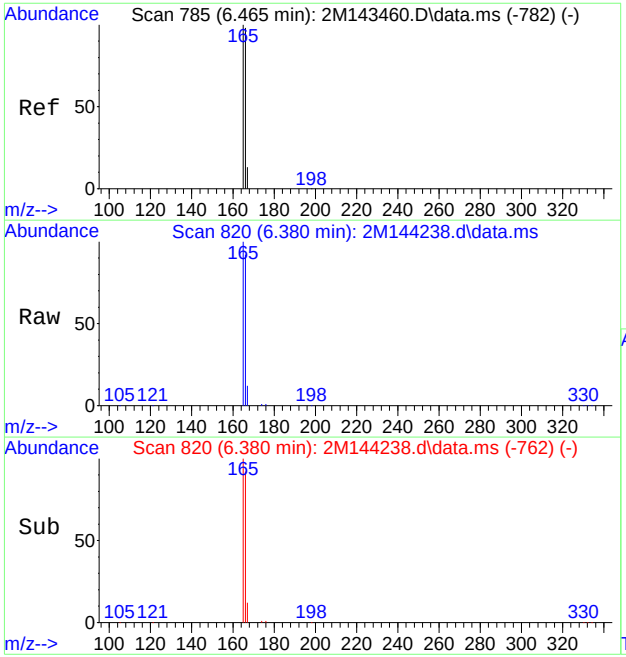


#15
Acenaphthene
Concen: 151.6594 ppb
RT: 6.003 min Scan# 773
Delta R.T. -0.006 min
Lab File: 2M144238.d
Acq: 18 Oct 2025 11:56 am

Tgt Ion:153 Resp: 13197

Ion	Ratio	Lower	Upper
153	100		
152	109.1	20.8	80.8#
154	49.3	47.0	107.0

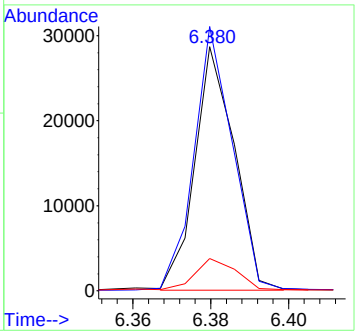


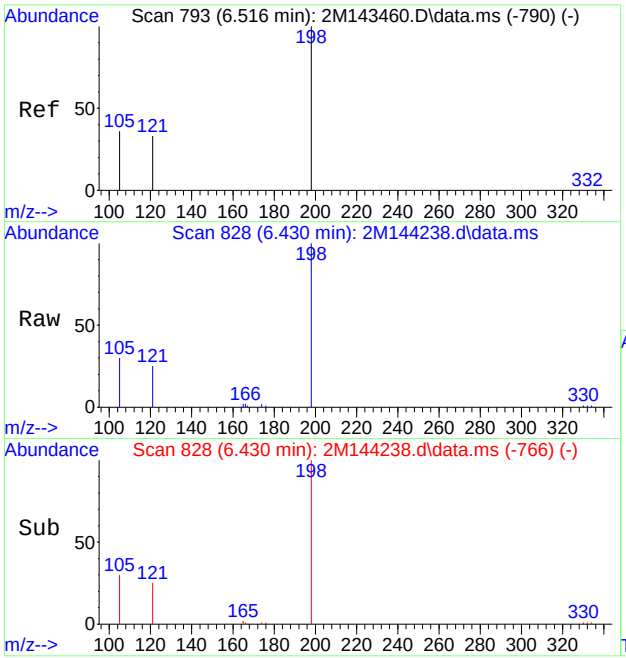


#16
Fluorene
Concen: 205.8507 ppb
RT: 6.380 min Scan# 820
Delta R.T. 0.000 min
Lab File: 2M144238.d
Acq: 18 Oct 2025 11:56 am

Tgt Ion:166 Resp: 20227

Ion	Ratio	Lower	Upper
166	100		
165	108.3	72.1	132.1
167	12.9	0.0	43.0

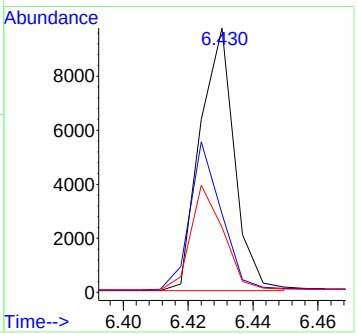


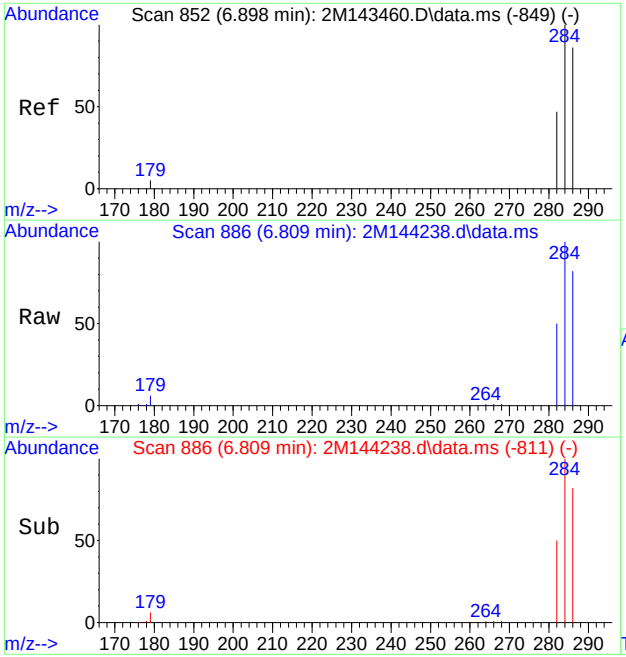


#17
4,6-dinitro-2-methylphenol
Concen: 754.8900 ppb
RT: 6.430 min Scan# 828
Delta R.T. 0.001 min
Lab File: 2M144238.d
Acq: 18 Oct 2025 11:56 am

Tgt Ion:198 Resp: 7149

Ion	Ratio	Lower	Upper
198	100		
105	28.7	14.9	54.9
121	23.8	12.5	52.5

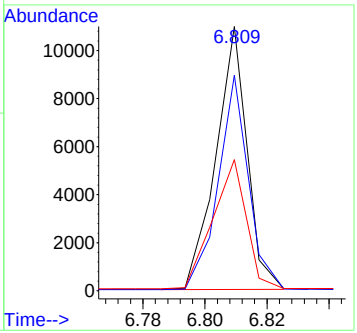


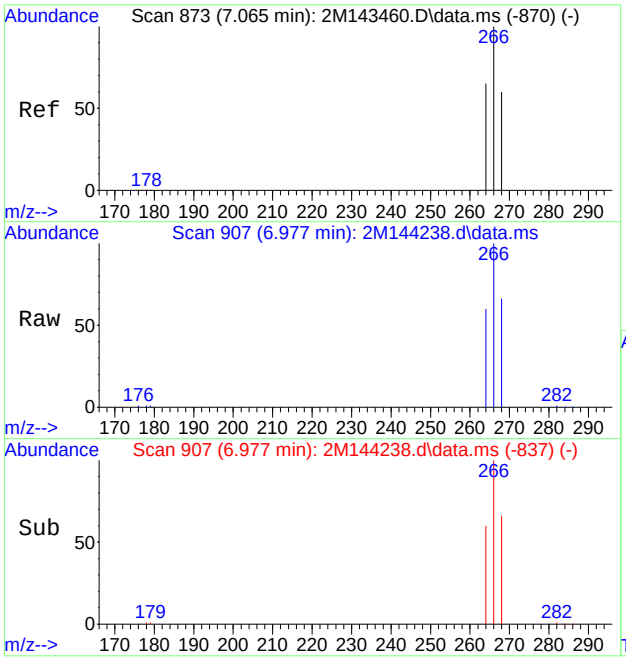


#20
Hexachlorobenzene
Concen: 282.6092 ppb
RT: 6.809 min Scan# 886
Delta R.T. -0.012 min
Lab File: 2M144238.d
Acq: 18 Oct 2025 11:56 am

Tgt Ion:284 Resp: 7650

Ion	Ratio	Lower	Upper
284	100		
286	81.5	55.8	115.8
282	49.2	17.4	77.4

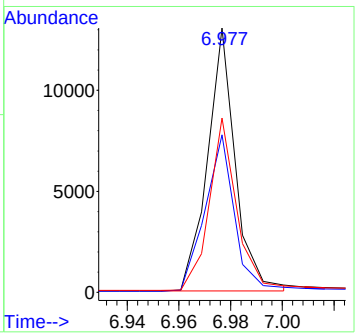


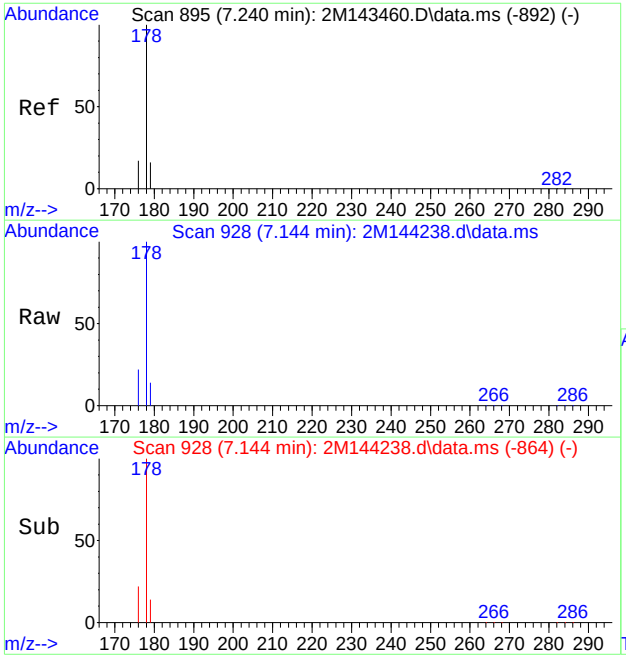


#21
Pentachlorophenol
Concen: 1322.5509 ppb
RT: 6.977 min Scan# 907
Delta R.T. -0.010 min
Lab File: 2M144238.d
Acq: 18 Oct 2025 11:56 am

Tgt Ion:266 Resp: 9807

Ion	Ratio	Lower	Upper
266	100		
264	59.3	35.4	95.4
268	65.4	30.0	90.0

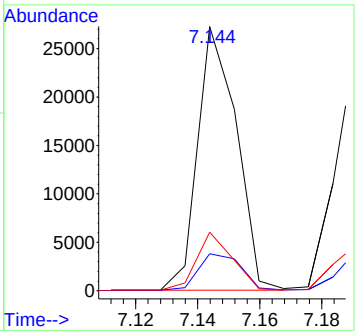


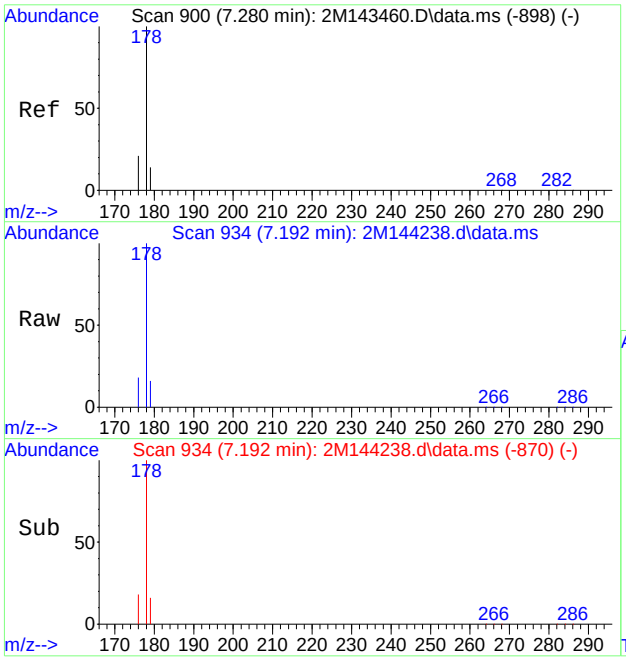


#22
Phenanthrene
Concen: 199.3878 ppb
RT: 7.144 min Scan# 928
Delta R.T. -0.015 min
Lab File: 2M144238.d
Acq: 18 Oct 2025 11:56 am

Tgt Ion:178 Resp: 23641

Ion	Ratio	Lower	Upper
178	100		
179	13.8	0.0	46.1
176	22.0	0.0	47.1

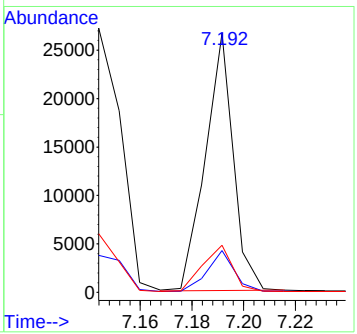


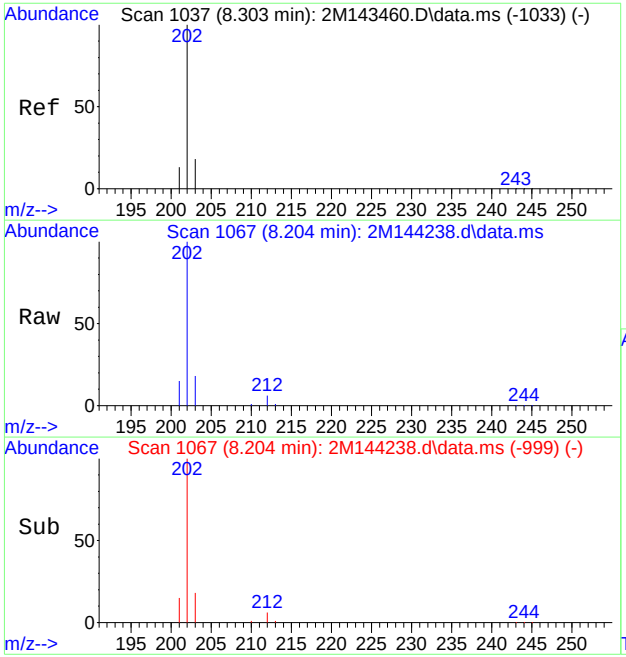


#23
Anthracene
Concen: 169.3942 ppb
RT: 7.192 min Scan# 934
Delta R.T. -0.007 min
Lab File: 2M144238.d
Acq: 18 Oct 2025 11:56 am

Tgt Ion:178 Resp: 20018

Ion	Ratio	Lower	Upper
178	100		
179	15.9	0.0	44.2
176	18.0	0.0	50.7

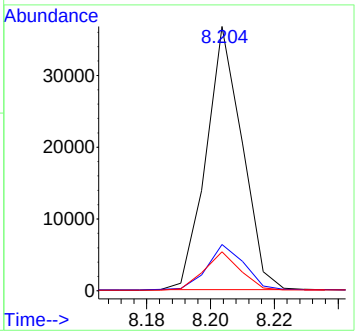


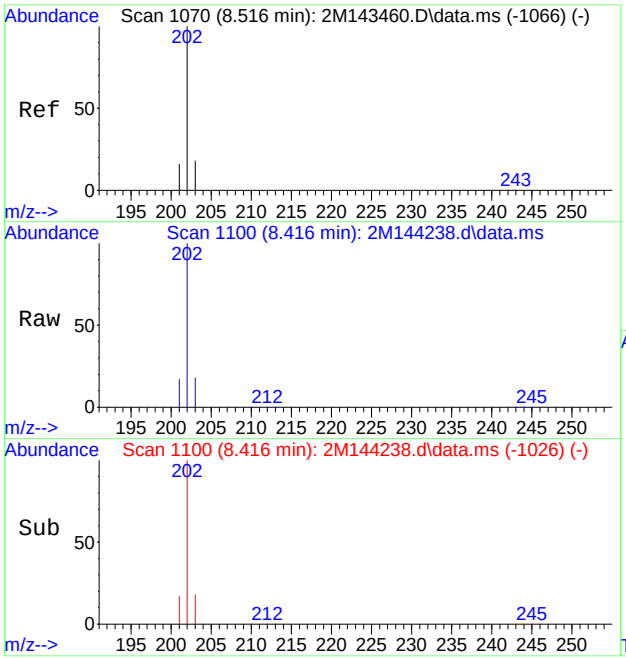


#24
Fluoranthene
Concen: 196.0931 ppb
RT: 8.204 min Scan# 1067
Delta R.T. -0.007 min
Lab File: 2M144238.d
Acq: 18 Oct 2025 11:56 am

Tgt Ion:202 Resp: 28806

Ion	Ratio	Lower	Upper
202	100		
203	17.1	0.0	47.9
201	14.5	0.0	43.2

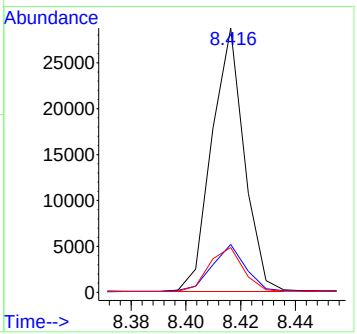


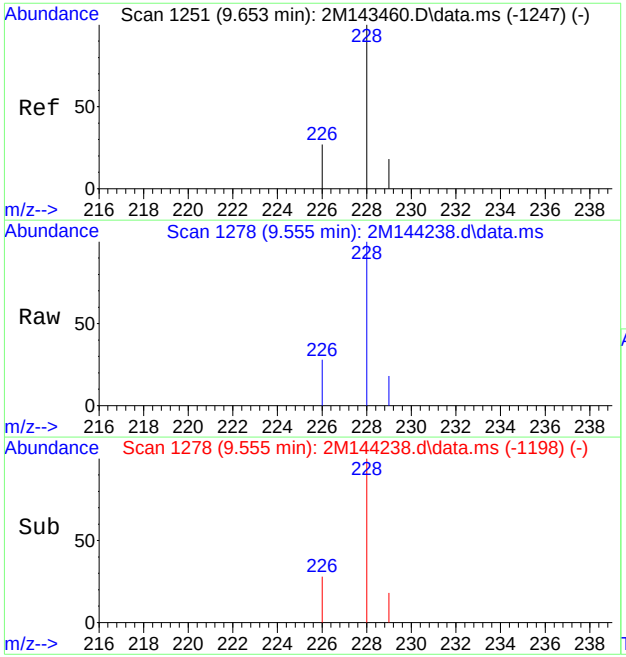


#25
Pyrene
Concen: 160.9361 ppb
RT: 8.416 min Scan# 1100
Delta R.T. -0.005 min
Lab File: 2M144238.d
Acq: 18 Oct 2025 11:56 am

Tgt Ion:202 Resp: 23692

Ion	Ratio	Lower	Upper
202	100		
203	17.7	0.0	48.3
201	16.7	0.0	46.1

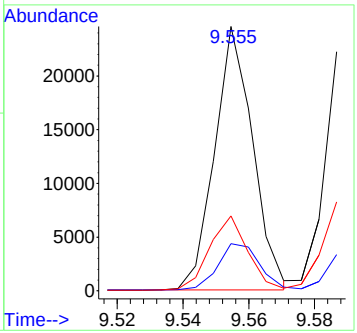


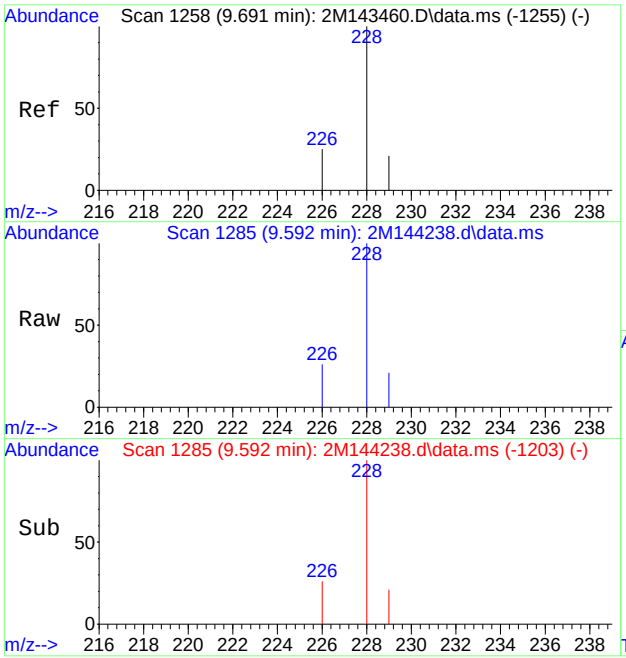


#27
Benzo[a]anthracene
Concen: 192.0698 ppb
RT: 9.555 min Scan# 1278
Delta R.T. 0.009 min
Lab File: 2M144238.d
Acq: 18 Oct 2025 11:56 am

Tgt Ion:228 Resp: 19854

Ion	Ratio	Lower	Upper
228	100		
229	17.3	0.0	48.4
226	28.2	0.0	56.5

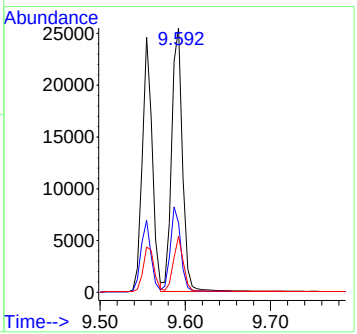




#28
Chrysene
Concen: 172.4443 ppb
RT: 9.592 min Scan# 1285
Delta R.T. 0.009 min
Lab File: 2M144238.d
Acq: 18 Oct 2025 11:56 am

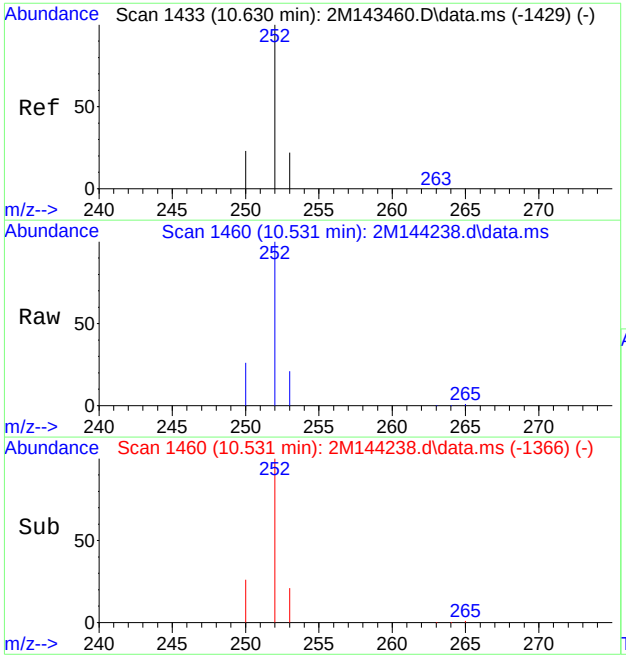
Tgt Ion:228 Resp: 22556

Ion	Ratio	Lower	Upper
228	100		
226	26.1	0.0	55.9
229	20.8	0.0	50.5



9.5.13

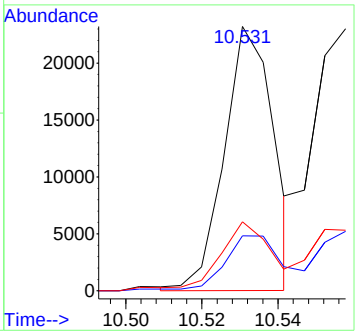
9

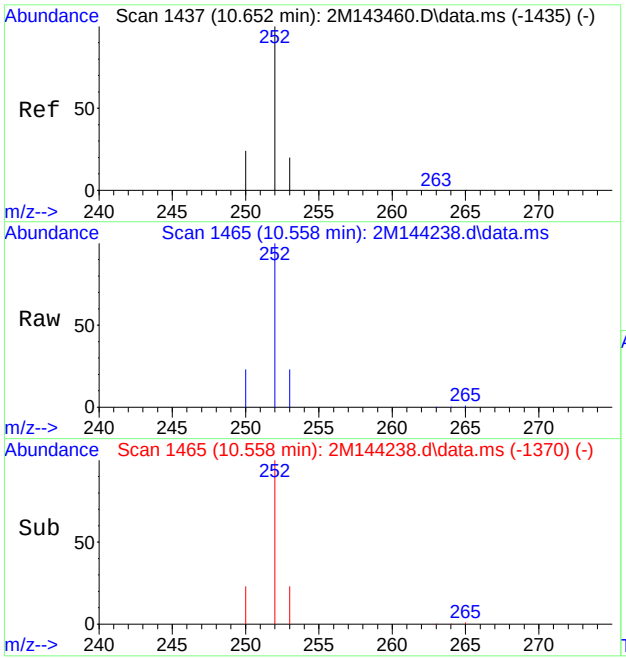


#30
Benzo[b]fluoranthene
Concen: 217.1200 ppb
RT: 10.531 min Scan# 1460
Delta R.T. 0.003 min
Lab File: 2M144238.d
Acq: 18 Oct 2025 11:56 am

Tgt Ion:252 Resp: 20998

Ion	Ratio	Lower	Upper
252	100		
253	19.6	0.0	52.3
250	26.2	0.0	52.9

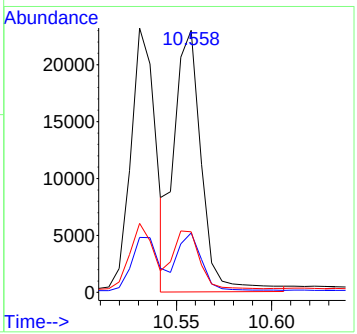


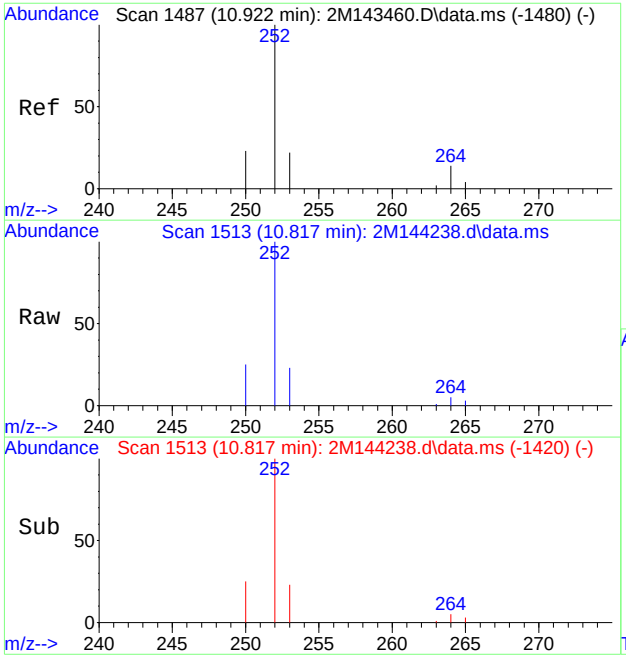


#31
Benzo[k]fluoranthene
Concen: 221.5327 ppb
RT: 10.558 min Scan# 1465
Delta R.T. 0.009 min
Lab File: 2M144238.d
Acq: 18 Oct 2025 11:56 am

Tgt Ion:252 Resp: 22799

Ion	Ratio	Lower	Upper
252	100		
253	21.9	0.0	50.6
250	22.6	0.0	54.0

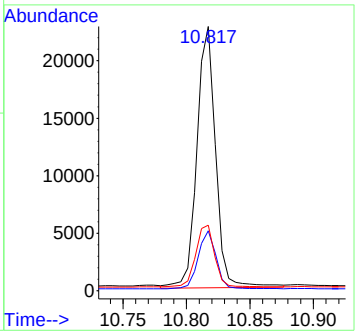


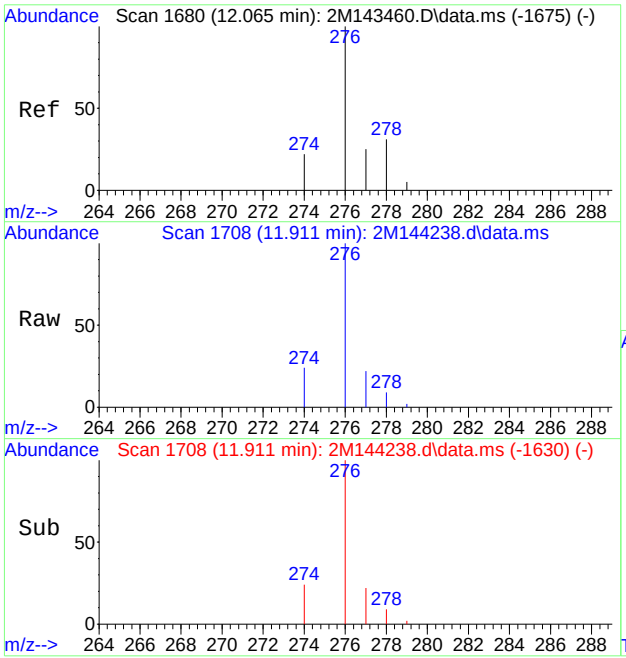


#32
Benzo[a]pyrene
Concen: 217.5151 ppb
RT: 10.817 min Scan# 1513
Delta R.T. 0.001 min
Lab File: 2M144238.d
Acq: 18 Oct 2025 11:56 am

Tgt Ion:252 Resp: 23415

Ion	Ratio	Lower	Upper
252	100		
253	22.3	0.0	52.4
250	23.7	0.0	53.4

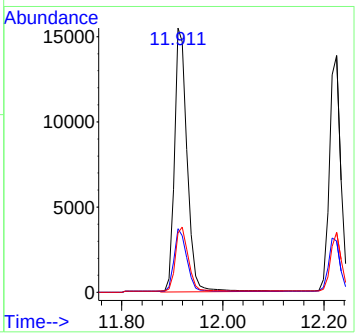


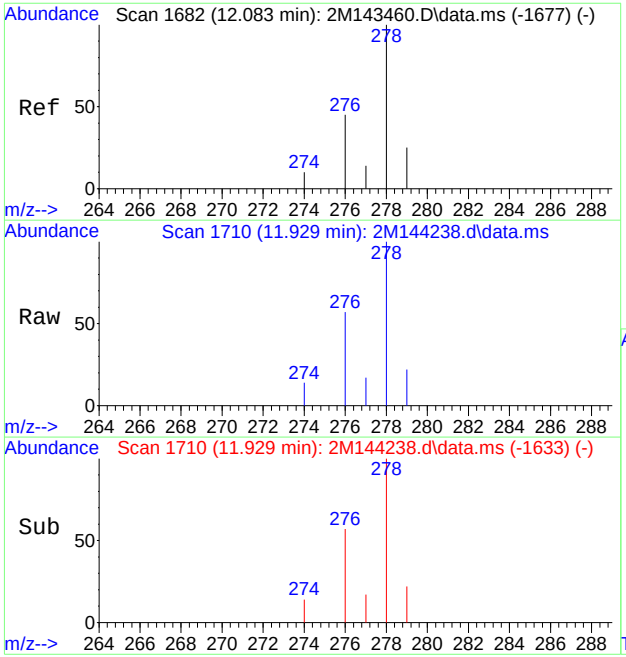


#33
Indeno[1,2,3-cd]pyrene
Concen: 193.9384 ppb
RT: 11.911 min Scan# 1708
Delta R.T. -0.037 min
Lab File: 2M144238.d
Acq: 18 Oct 2025 11:56 am

Tgt Ion:276 Resp: 26936

Ion	Ratio	Lower	Upper
276	100		
274	23.8	0.0	52.2
277	22.0	0.0	54.9

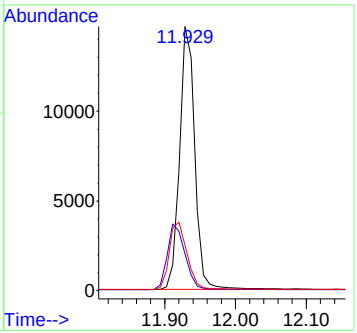


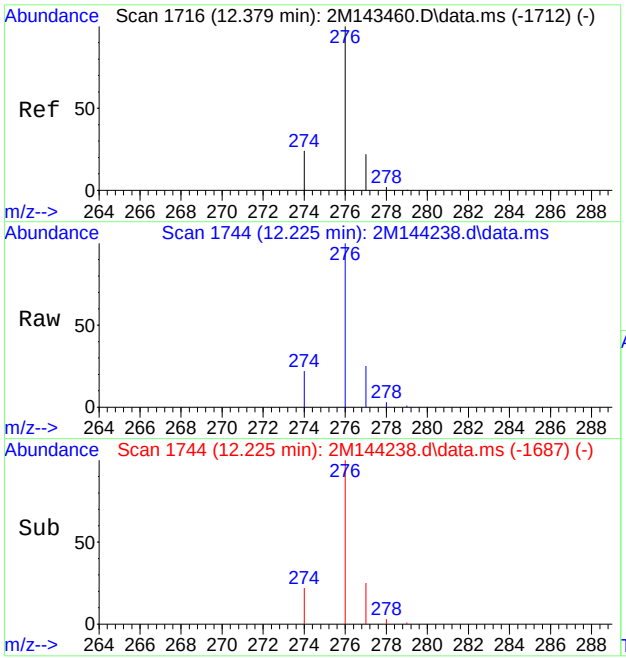


#34
Dibenz[a,h]anthracene
Concen: 198.4376 ppb
RT: 11.929 min Scan# 1710
Delta R.T. -0.038 min
Lab File: 2M144238.d
Acq: 18 Oct 2025 11:56 am

Tgt Ion:278 Resp: 21870

Ion	Ratio	Lower	Upper
278	100		
274	12.6	0.0	40.7
277	16.3	0.0	44.0

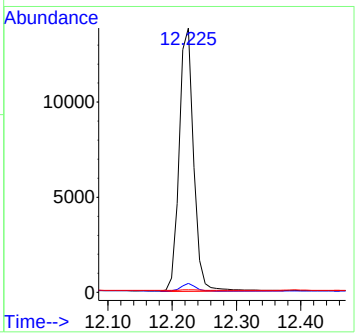




#35
Benzo[g,h,i]perylene
Concen: 188.8465 ppb
RT: 12.225 min Scan# 1744
Delta R.T. -0.034 min
Lab File: 2M144238.d
Acq: 18 Oct 2025 11:56 am

Tgt Ion:276 Resp: 21728

Ion	Ratio	Lower	Upper
276	100		
278	2.9	0.0	32.2
279	0.2	0.0	30.1



Manual Integration Approval Summary

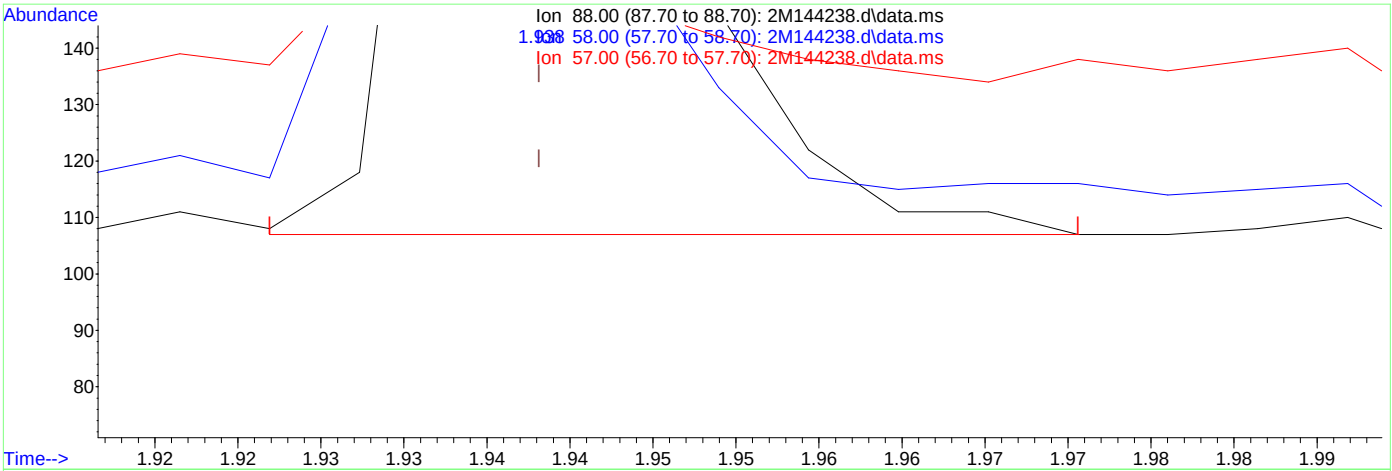
Sample Number:	E2M6525-CC6496	**Method:**	SW846 8270E BY SIM
Lab FileID:	2M144238.D	**Analyst approved:**	10/19/25 02:15 Anthony Torre
Injection Time:	10/18/25 11:56	**Supervisor approved:**	10/20/25 09:38 Ying Li

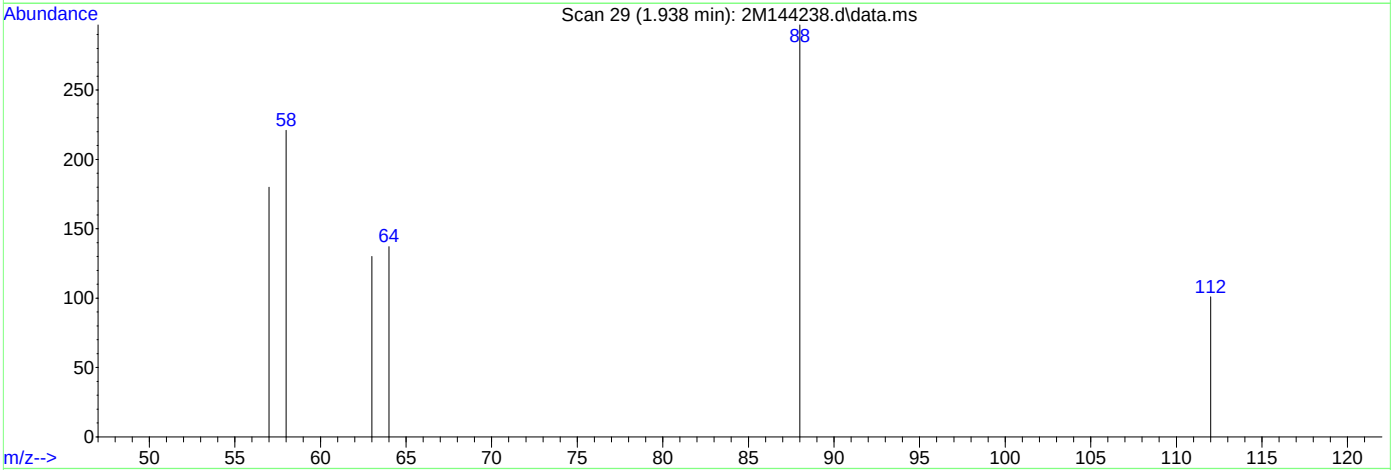
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,4-Dioxane	123-91-1		1.94	Poor instrument integration

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\anthonyt\10-19-25\e2m6525\
Data File : 2M144238.d
Acq On : 18 Oct 2025 11:56 am
Operator : rocquans
Sample : cc6496-0.2 Inst : GCMS2M
Misc : op68078a,E2M6525,250,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 19 13:10:42 2025
Quant Method : X:\Dayton SVOA GCMS\anthonyt\methods\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sun Oct 19 13:10:37 2025
Response via : Initial Calibration





TIC: 2M144238.d\data.ms

(2) 1,4-Dioxane (t)

1.938min (0.000) 10.14ppb

response 169

Ion	Exp%	Act%
88.00	100	100
58.00	74.40	55.15
57.00	60.60	22.43#
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Ying Li
10/20/25 09:38

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\anthonyt\10-19-25\e2m6525\
Data File : 2M144239.d
Acq On : 18 Oct 2025 12:47 pm
Operator : rocquans
Sample : cc6496-0.02 Inst : GCMS2M
Misc : op68078a,E2M6525,250,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 19 13:18:00 2025
Quant Method : X:\Dayton SVOA GCMS\anthonyt\methods\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sun Oct 19 13:14:24 2025
Response via : Initial Calibration

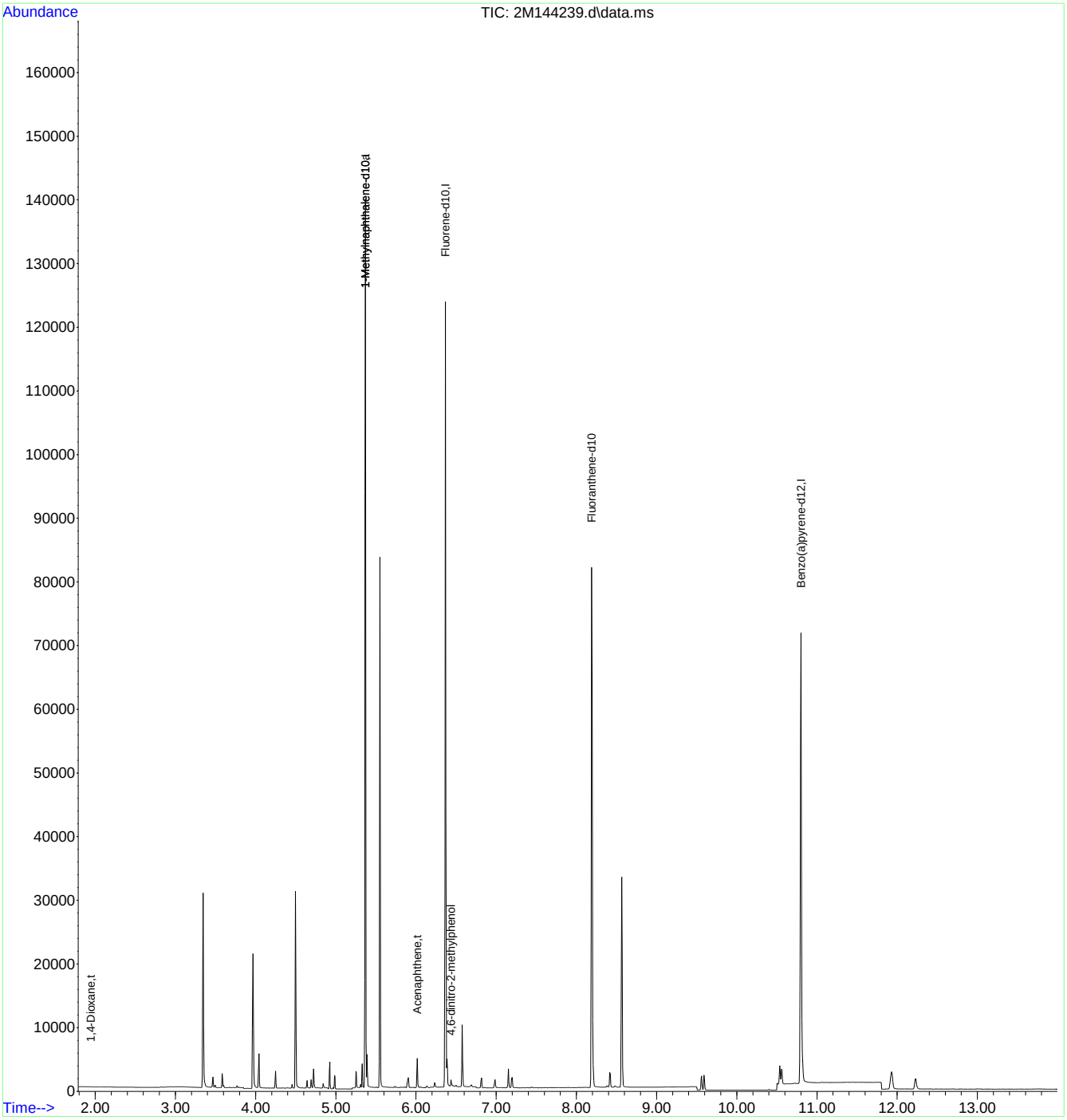
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	5.369	150	31638	800.00	ppb	0.00
12) Fluorene-d10	6.367	176	37764	800.00	ppb	0.00
19) Fluoranthene-d10	8.190	212	53415	800.00	ppb	0.00
29) Benzo(a)pyrene-d12	10.801	264	49035	800.00	ppb	0.00
36) 1-Methylnaphthalene-d10a	5.369	150	31638	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	0.000	112	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
4) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
6) Nitrobenzene-d5	0.000	82	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
13) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
18) 2,4,6-Tribromophenol	0.000	330	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
26) Terphenyl-d14	0.000	244	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	1.943	88	23m	2.0313	ppb	
15) Acenaphthene	6.014	153	1164	20.1517	ppb	81
17) 4,6-dinitro-2-methylph...	6.437	198	407	107.3350	ppb	84

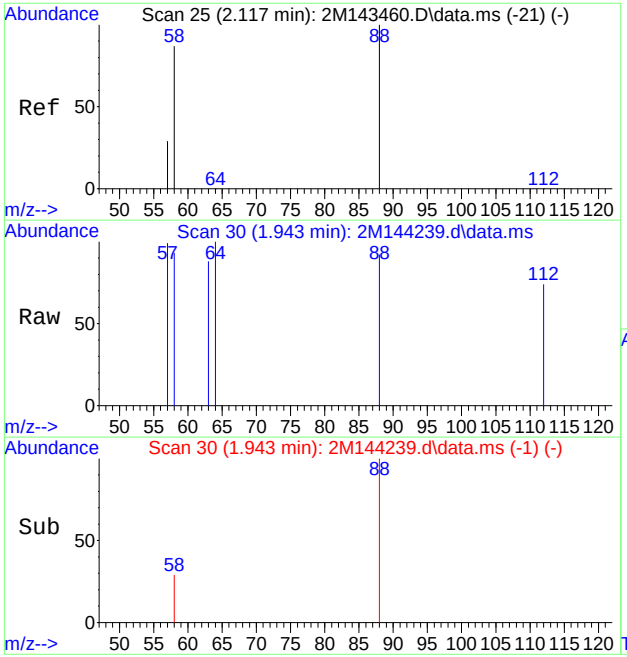
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\anthonyt\10-19-25\e2m6525\
Data File : 2M144239.d
Acq On : 18 Oct 2025 12:47 pm
Operator : rocquans
Sample : cc6496-0.02 Inst : GCMS2M
Misc : op68078a,E2M6525,250,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 19 13:18:00 2025
Quant Method : X:\Dayton SVOA GCMS\anthonyt\methods\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sun Oct 19 13:14:24 2025
Response via : Initial Calibration

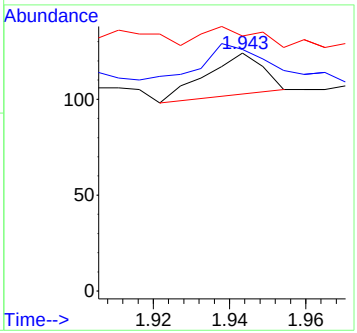


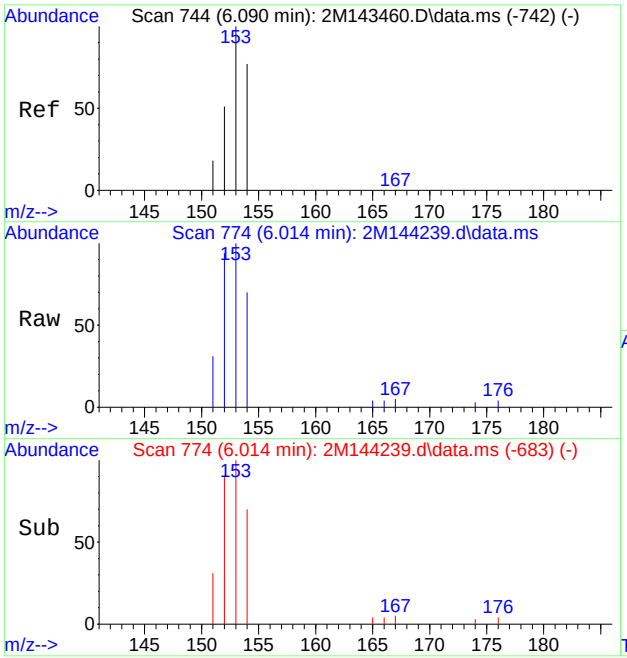


#2
1,4-Dioxane
Concen: 2.0313 ppb m
RT: 1.943 min Scan# 30
Delta R.T. 0.005 min
Lab File: 2M144239.d
Acq: 18 Oct 2025 12:47 pm

Tgt Ion: 88 Resp: 23

Ion	Ratio	Lower	Upper
88	100		
58	101.6	54.4	94.4#
57	107.3	40.6	80.6#

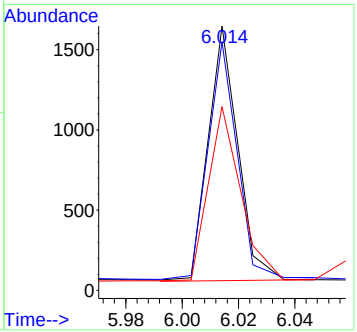


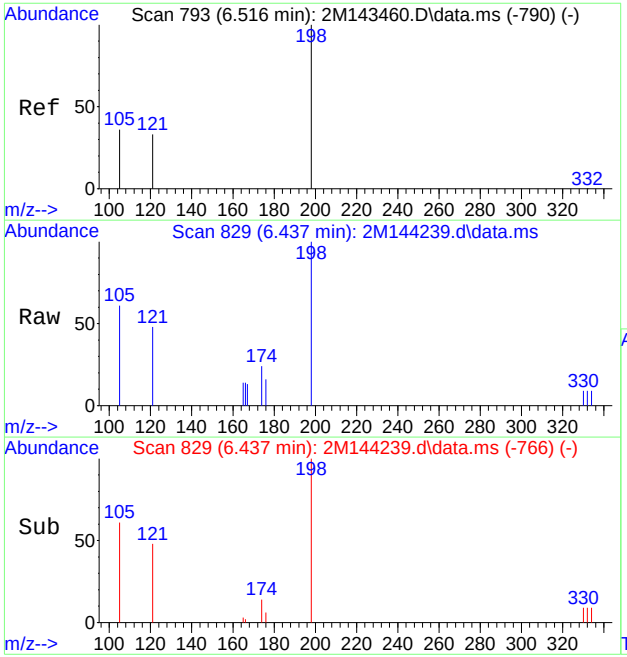


#15
Acenaphthene
Concen: 20.1517 ppb
RT: 6.014 min Scan# 774
Delta R.T. 0.011 min
Lab File: 2M144239.d
Acq: 18 Oct 2025 12:47 pm

Tgt Ion:153 Resp: 1164

Ion	Ratio	Lower	Upper
153	100		
152	93.2	79.1	139.1
154	68.5	19.3	79.3

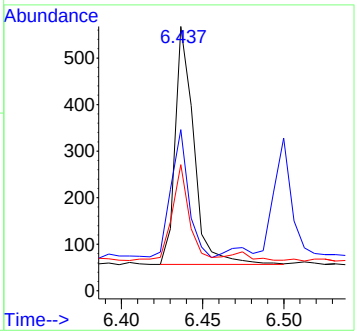




#17
4,6-dinitro-2-methylphenol
Concen: 107.3350 ppb
RT: 6.437 min Scan# 829
Delta R.T. 0.006 min
Lab File: 2M144239.d
Acq: 18 Oct 2025 12:47 pm

Tgt Ion:198 Resp: 407

Ion	Ratio	Lower	Upper
198	100		
105	27.5	8.7	48.7
121	39.6	3.8	43.8



9.5.14

9

Manual Integration Approval Summary

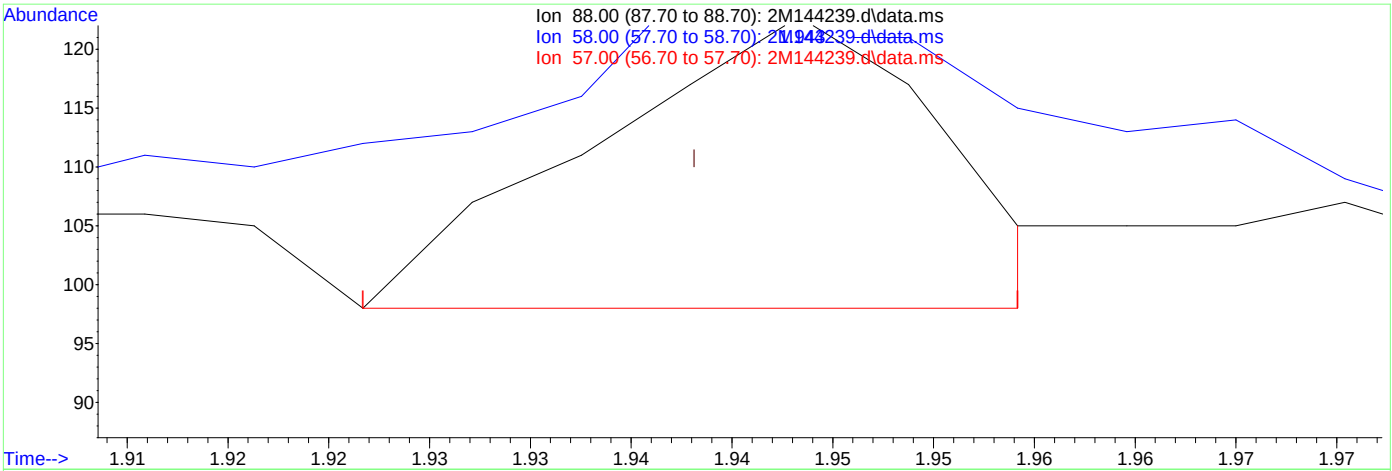
Sample Number:	E2M6525-CC6496	**Method:**	SW846 8270E BY SIM
Lab FileID:	2M144239.D	**Analyst approved:**	10/19/25 02:16 Anthony Torre
Injection Time:	10/18/25 12:47	**Supervisor approved:**	10/20/25 09:38 Ying Li

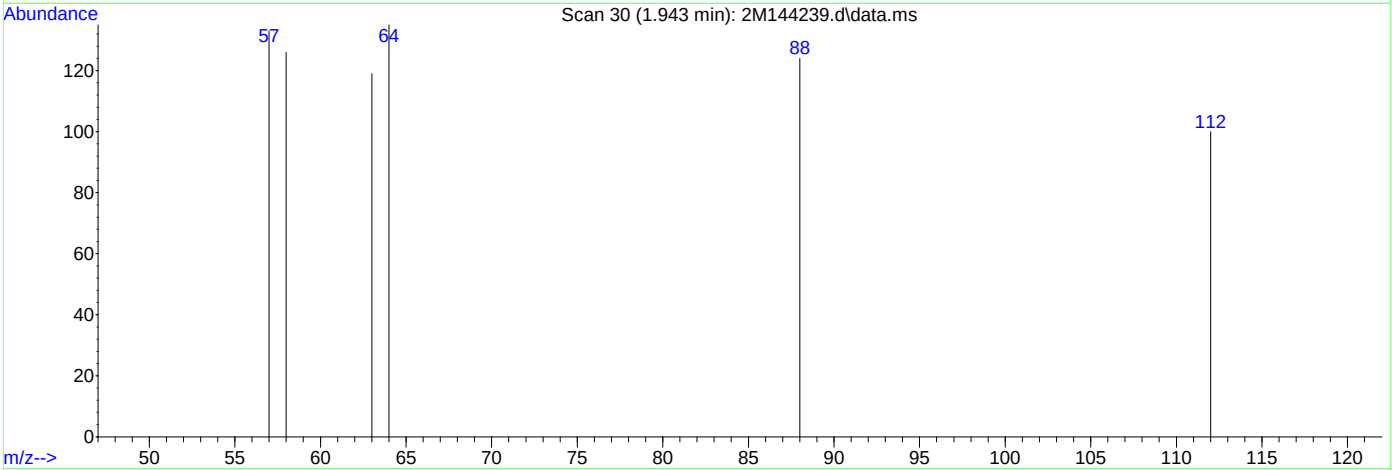
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,4-Dioxane	123-91-1		1.94	Poor instrument integration

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\anthonyt\10-19-25\e2m6525\
Data File : 2M144239.d
Acq On : 18 Oct 2025 12:47 pm
Operator : rocquans
Sample : cc6496-0.02 Inst : GCMS2M
Misc : op68078a,E2M6525,250,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 19 13:15:45 2025
Quant Method : X:\Dayton SVOA GCMS\anthonyt\methods\M2M6496SIMLVI.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sun Oct 19 13:14:24 2025
Response via : Initial Calibration





TIC: 2M144239.d\data.ms

(2) 1,4-Dioxane (t)

1.943min (+0.005) 2.65ppb

response 30

Ion	Exp%	Act%
88.00	100	100
58.00	74.40	55.56
57.00	60.60	11.11#
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Ying Li
09/18/25 10:52

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8568.D
Acq On : 17 Sep 2025 11:28 am
Operator : rocquans
Sample : ic446-0.002
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 17 16:21:34 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration

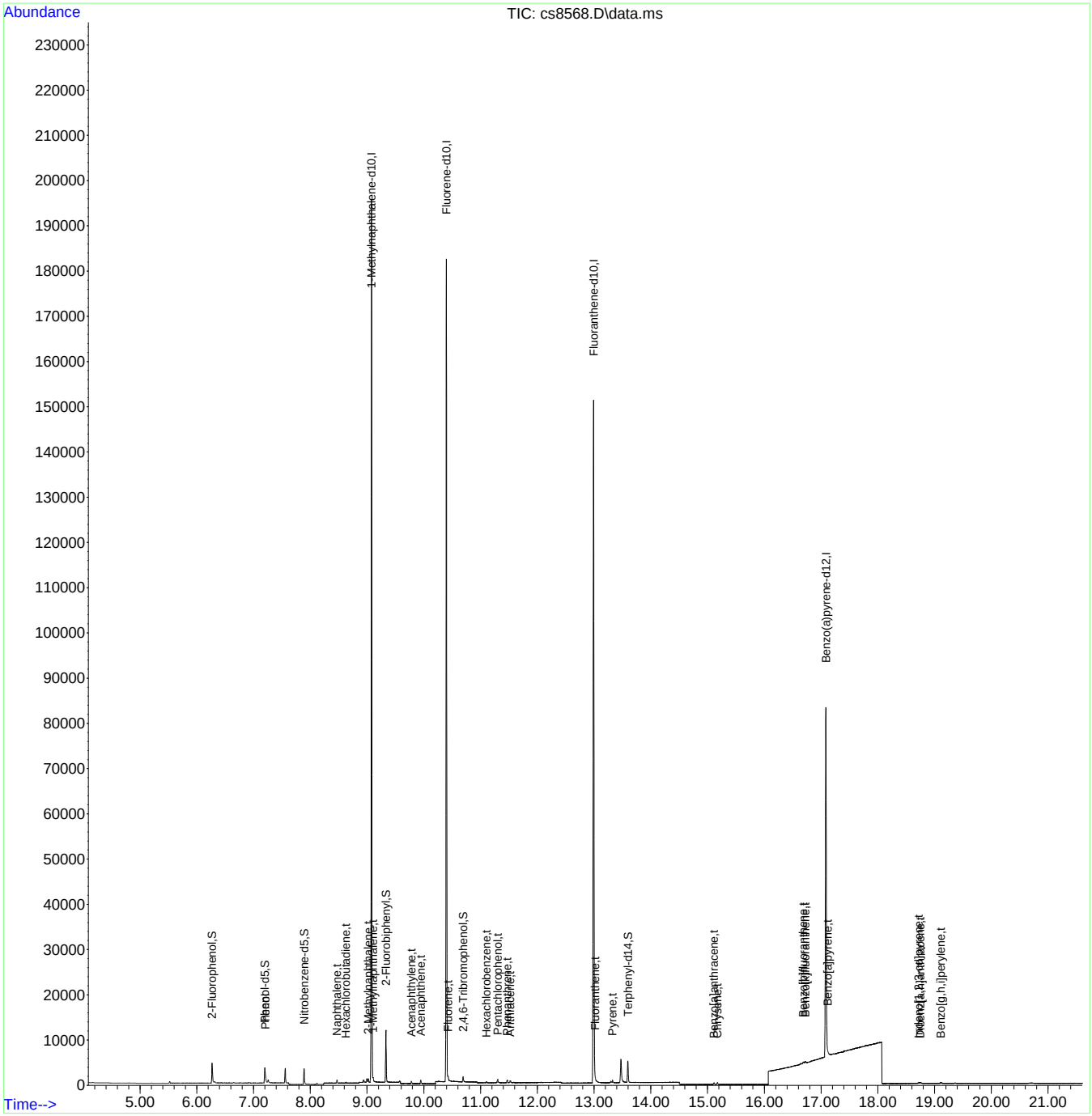
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	9.079	150	60352	800.00	ppb	0.00
11) Fluorene-d10	10.398	176	75868	800.00	ppb	0.00
18) Fluoranthene-d10	12.990	212	114654	800.00	ppb	0.00
28) Benzo(a)pyrene-d12	17.084	264	65070	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	6.270	112	2331	36.95	ppb	0.00
Spiked Amount 10000.000			Recovery =	0.37%		
4) Phenol-d5	7.198	99	2731	37.43	ppb	0.00
Spiked Amount 10000.000			Recovery =	0.37%		
6) Nitrobenzene-d5	7.890	82	2246	37.91	ppb	0.00
Spiked Amount 10000.000			Recovery =	0.38%		
12) 2-Fluorobiphenyl	9.333	172	5661	44.66	ppb	0.00
Spiked Amount 10000.000			Recovery =	0.45%		
17) 2,4,6-Tribromophenol	10.691	330	459m	31.96	ppb	0.00
Spiked Amount 10000.000			Recovery =	0.32%		
25) Terphenyl-d14	13.596	244	3459m	39.75	ppb	0.00
Spiked Amount 10000.000			Recovery =	0.40%		
Target Compounds						Qvalue
5) Phenol	7.208	94	838	10.15	ppb	98
7) Naphthalene	8.469	128	477	2.21	ppb	97
8) Hexachlorobutadiene	8.622	225	69	2.19	ppb	92
9) 2-Methylnaphthalene	9.020	141	272m	2.28	ppb	
10) 1-Methylnaphthalene	9.108	141	245	2.13	ppb	93
13) Acenaphthylene	9.781	152	350	1.82	ppb	98
14) Acenaphthene	9.947	153	268	2.03	ppb	99
15) Fluorene	10.427	166	316	2.12	ppb	98
19) Hexachlorobenzene	11.101	284	83m	2.13	ppb	
20) Pentachlorophenol	11.302	266	397m	19.88	ppb	
21) Phenanthrene	11.469	178	397m	1.90	ppb	
22) Anthracene	11.521	178	362m	1.83	ppb	
23) Fluoranthene	13.017	202	412	1.88	ppb	97
24) Pyrene	13.325	202	443m	1.99	ppb	
26) Benzo[a]anthracene	15.112	228	313m	1.93	ppb	
27) Chrysene	15.171	228	316	1.93	ppb	97
29) Benzo[b]fluoranthene	16.686	252	275	1.90	ppb	96
30) Benzo[k]fluoranthene	16.720	252	223	1.58	ppb	87
31) Benzo[a]pyrene	17.116	252	294	2.20	ppb	75
32) Indeno[1,2,3-cd]pyrene	18.718	276	218m	2.00	ppb	
33) Dibenz[a,h]anthracene	18.747	278	196m	1.90	ppb	
34) Benzo[g,h,i]perylene	19.107	276	225m	2.12	ppb	

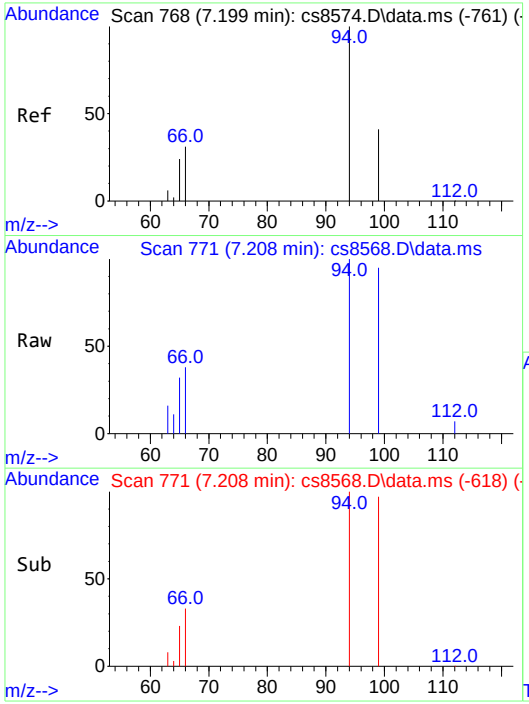
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8568.D
Acq On : 17 Sep 2025 11:28 am
Operator : rocquans
Sample : ic446-0.002
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 17 16:21:34 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration

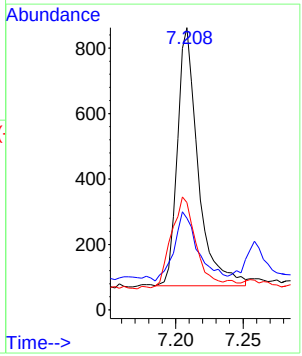


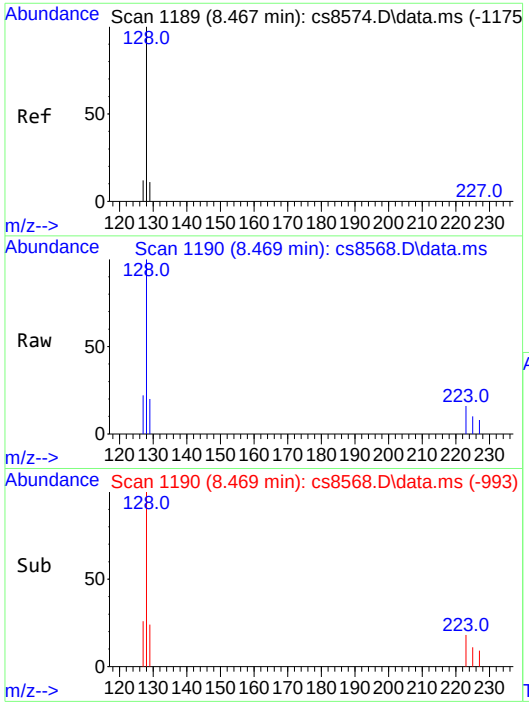


#5
Phenol
Concen: 10.15 ppb
RT: 7.208 min Scan# 771
Delta R.T. 0.010 min
Lab File: cs8568.D
Acq: 17 Sep 2025 11:28 am

Tgt Ion: 94 Resp: 838

Ion	Ratio	Lower	Upper
94	100		
65	20.4	17.0	25.4
66	31.8	24.6	37.0

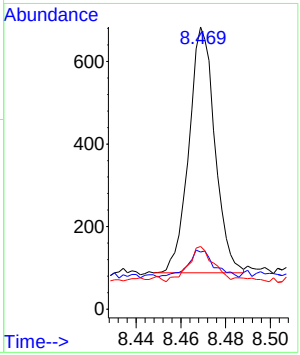


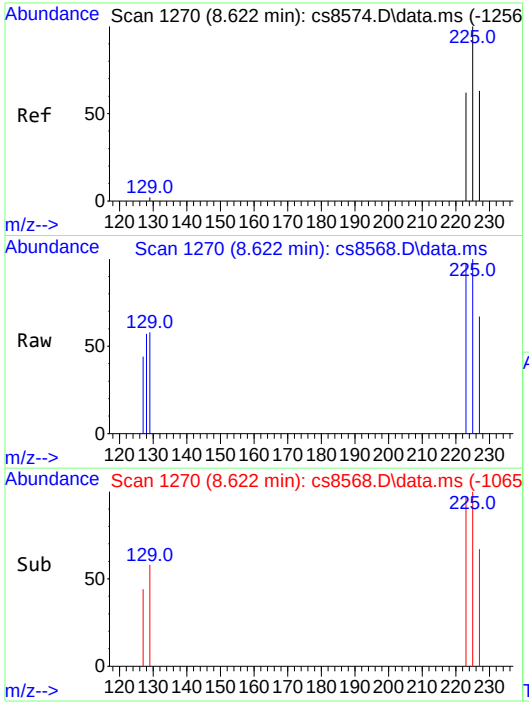


#7
Naphthalene
Concen: 2.21 ppb
RT: 8.469 min Scan# 1190
Delta R.T. 0.002 min
Lab File: cs8568.D
Acq: 17 Sep 2025 11:28 am

Tgt Ion:128 Resp: 477

Ion	Ratio	Lower	Upper
128	100		
129	8.8	0.0	40.8
127	12.9	0.0	42.4

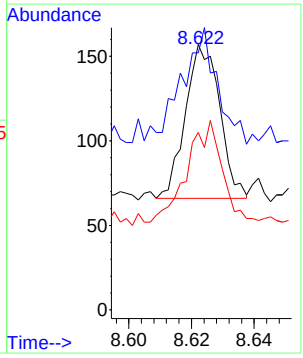


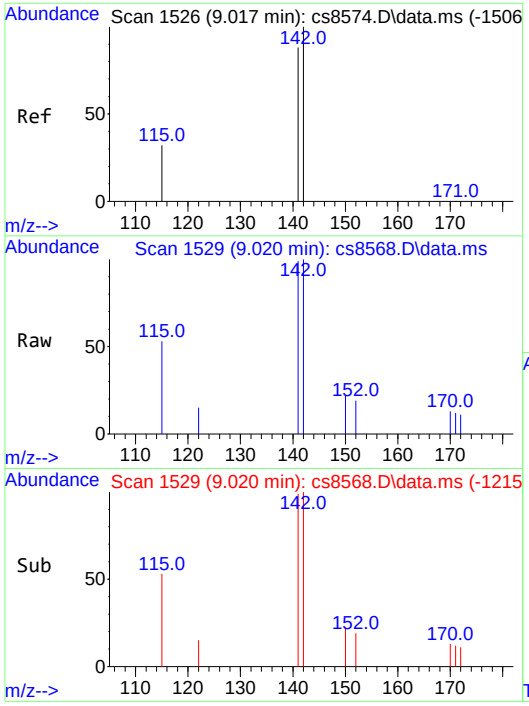


#8
Hexachlorobutadiene
Concen: 2.19 ppb
RT: 8.622 min Scan# 1270
Delta R.T. -0.000 min
Lab File: cs8568.D
Acq: 17 Sep 2025 11:28 am

Tgt Ion:225 Resp: 69

Ion	Ratio	Lower	Upper
225	100		
223	56.1	31.8	91.8
227	55.6	32.6	92.6

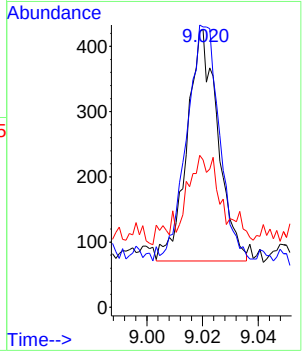


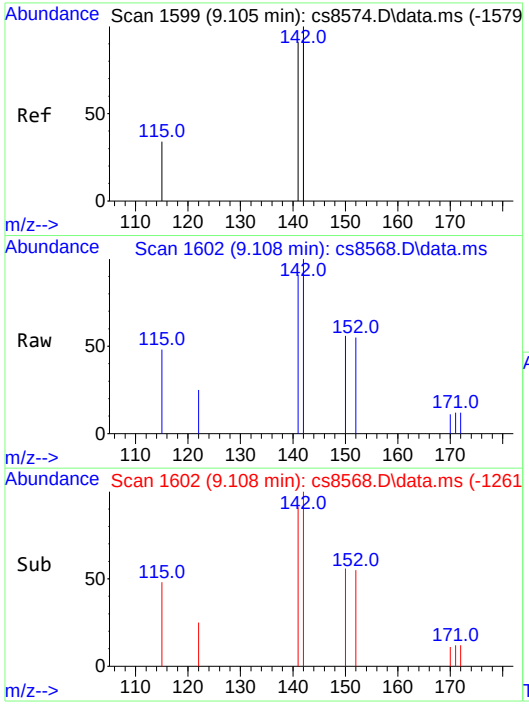


#9
2-Methylnaphthalene
Concen: 2.28 ppb m
RT: 9.020 min Scan# 1529
Delta R.T. 0.003 min
Lab File: cs8568.D
Acq: 17 Sep 2025 11:28 am

Tgt Ion:141 Resp: 272

Ion	Ratio	Lower	Upper
141	100		
142	100.9	83.1	143.1
115	53.1	5.8	65.8

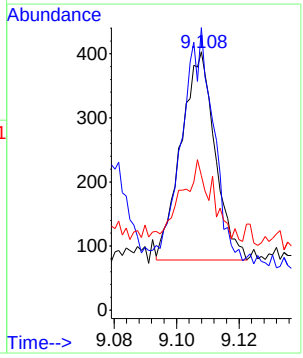


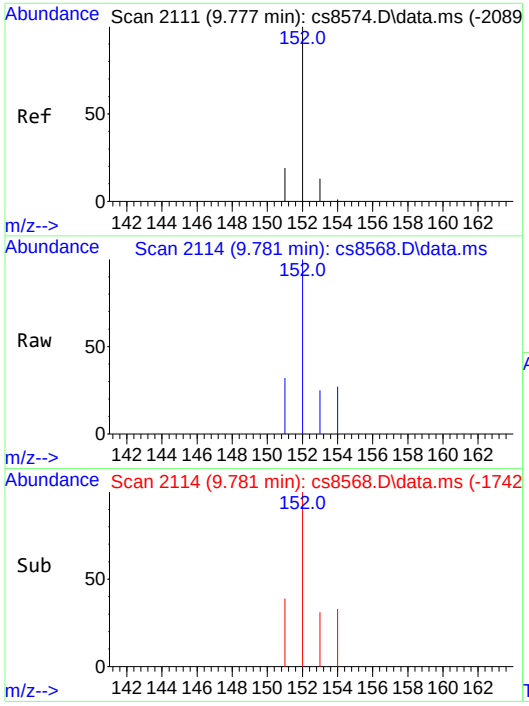


#10
1-Methylnaphthalene
Concen: 2.13 ppb
RT: 9.108 min Scan# 1602
Delta R.T. 0.003 min
Lab File: cs8568.D
Acq: 17 Sep 2025 11:28 am

Tgt Ion:141 Resp: 245

Ion	Ratio	Lower	Upper
141	100		
142	108.5	80.8	140.8
115	25.3	7.2	67.2

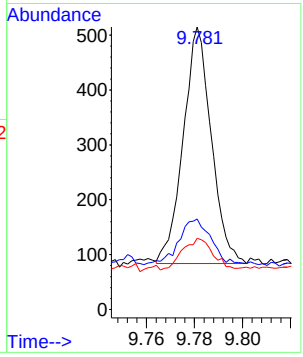


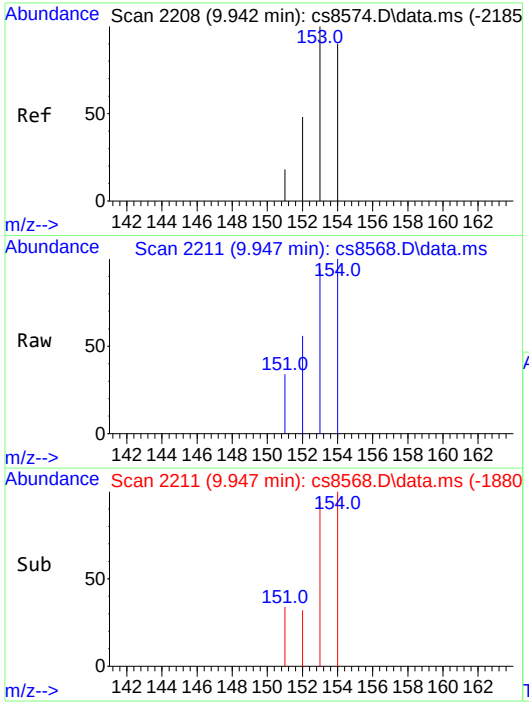


#13
Acenaphthylene
Concen: 1.82 ppb
RT: 9.781 min Scan# 2114
Delta R.T. 0.005 min
Lab File: cs8568.D
Acq: 17 Sep 2025 11:28 am

Tgt Ion:152 Resp: 350

Ion	Ratio	Lower	Upper
152	100		
151	18.3	0.0	49.3
153	11.9	0.0	42.7

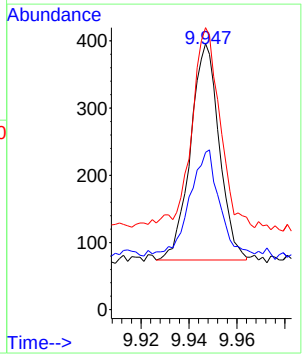


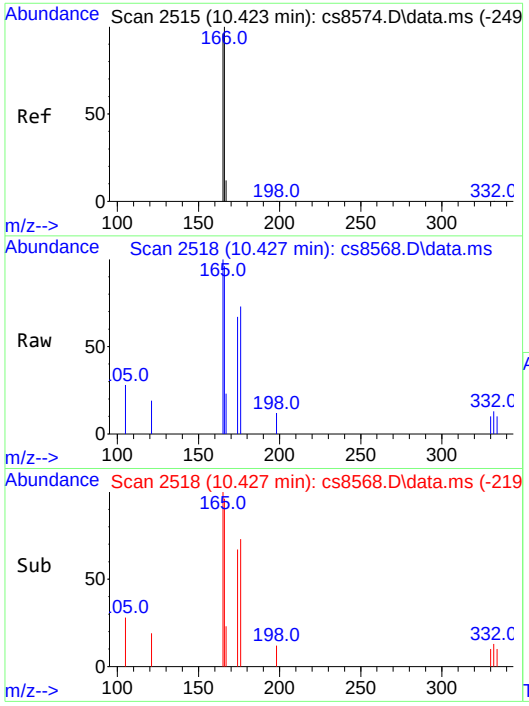


#14
Acenaphthene
Concen: 2.03 ppb
RT: 9.947 min Scan# 2211
Delta R.T. 0.005 min
Lab File: cs8568.D
Acq: 17 Sep 2025 11:28 am

Tgt Ion:153 Resp: 268

Ion	Ratio	Lower	Upper
153	100		
152	45.8	17.7	77.7
154	89.5	59.5	119.5

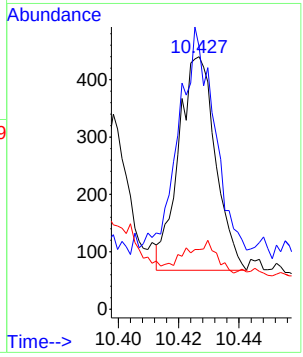


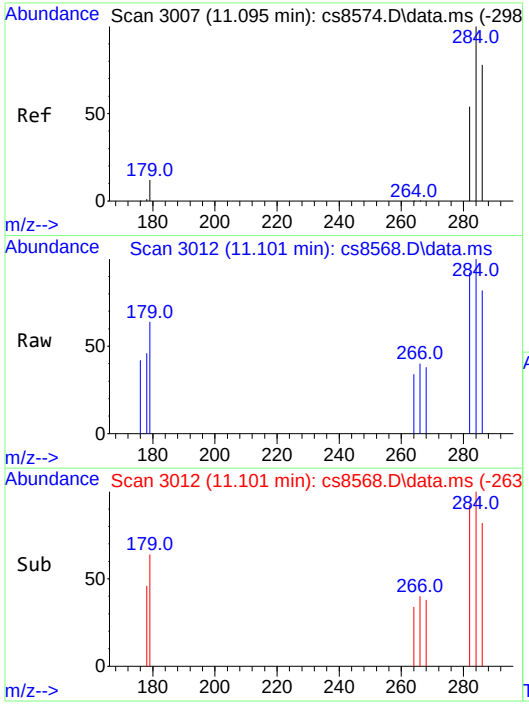


#15
Fluorene
Concen: 2.12 ppb
RT: 10.427 min Scan# 2518
Delta R.T. 0.004 min
Lab File: cs8568.D
Acq: 17 Sep 2025 11:28 am

Tgt Ion:166 Resp: 316

Ion	Ratio	Lower	Upper
166	100		
165	96.9	65.7	125.7
167	8.4	0.0	42.4

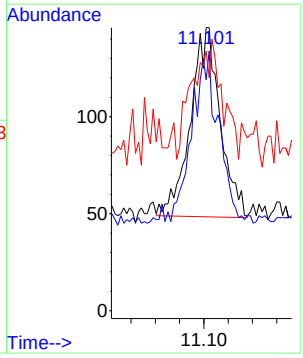


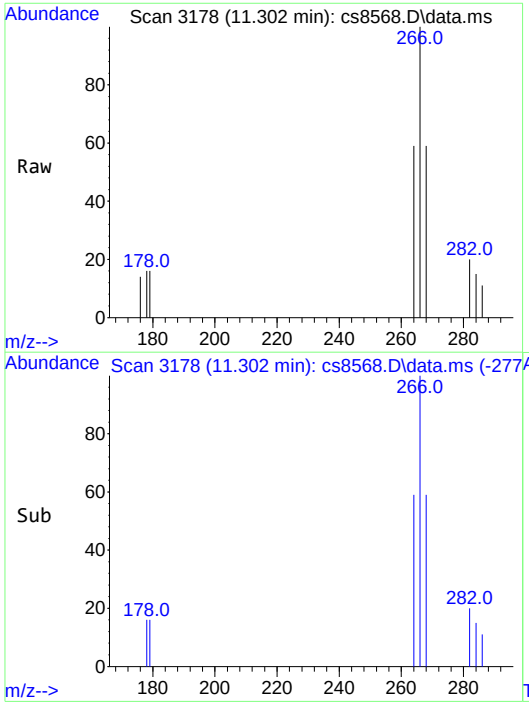


#19
Hexachlorobenzene
Concen: 2.13 ppb m
RT: 11.101 min Scan# 3012
Delta R.T. 0.006 min
Lab File: cs8568.D
Acq: 17 Sep 2025 11:28 am

Tgt Ion:284 Resp: 83

Ion	Ratio	Lower	Upper
284	100		
286	81.5	48.0	108.0
282	91.8	23.8	83.8#

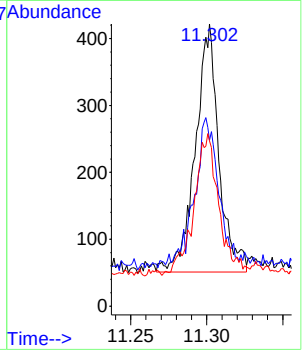


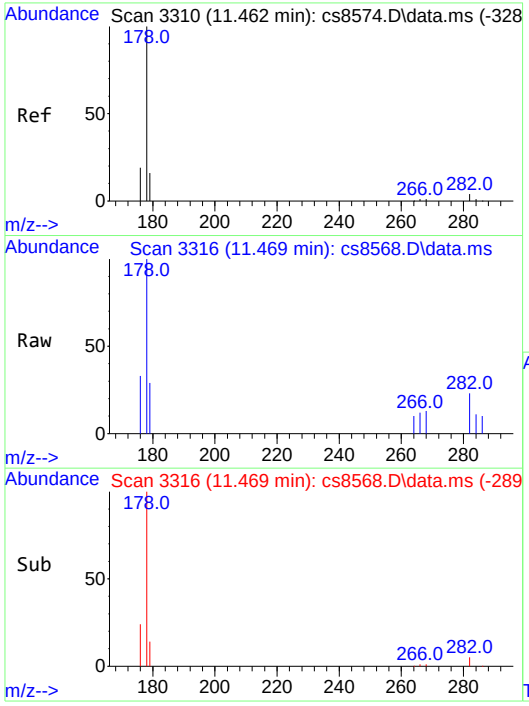


#20
Pentachlorophenol
Concen: 19.88 ppb m
RT: 11.302 min Scan# 3178
Delta R.T. 0.008 min
Lab File: cs8568.D
Acq: 17 Sep 2025 11:28 am

Tgt Ion:266 Resp: 397

Ion	Ratio	Lower	Upper
266	100		
268	29.7	43.1	83.1#
264	16.1	43.0	83.0#

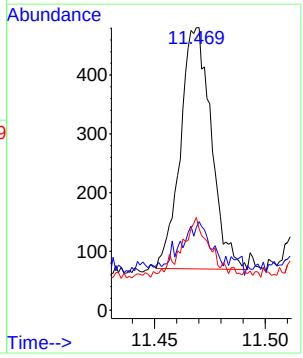


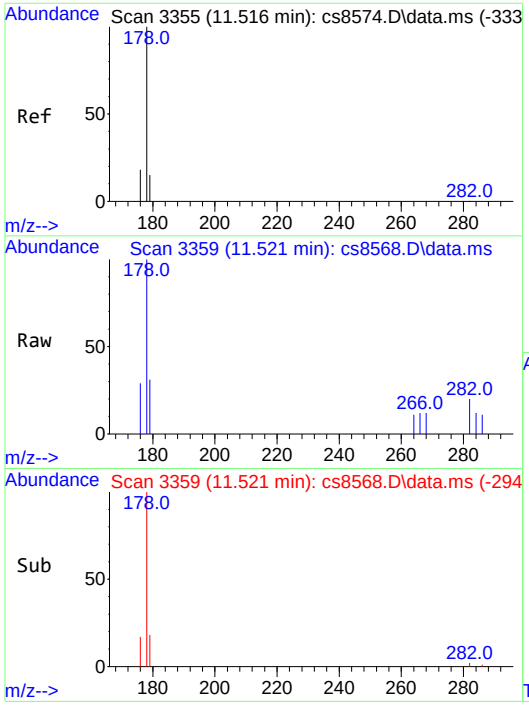


#21
Phenanthrene
Concen: 1.90 ppb m
RT: 11.469 min Scan# 3316
Delta R.T. 0.007 min
Lab File: cs8568.D
Acq: 17 Sep 2025 11:28 am

Tgt Ion:178 Resp: 397

Ion	Ratio	Lower	Upper
178	100		
179	29.3	0.0	45.7
176	32.8	0.0	49.2

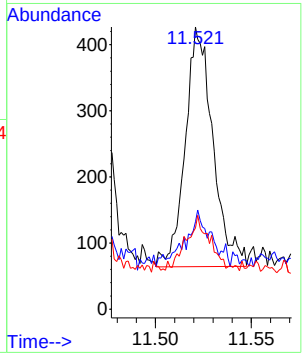


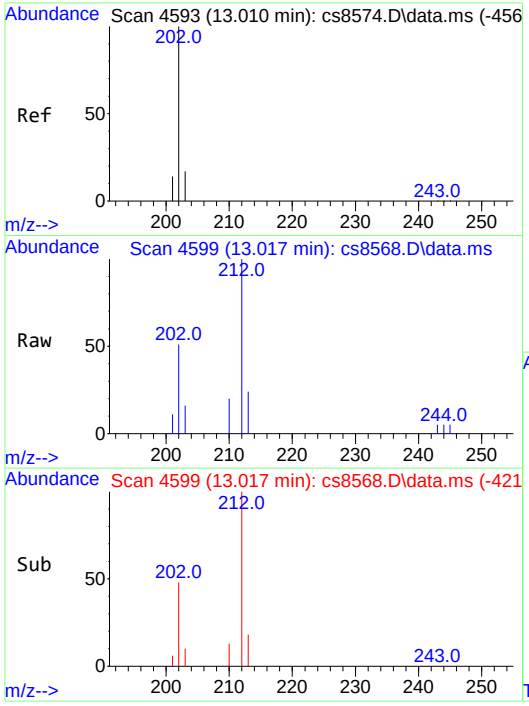


#22
Anthracene
Concen: 1.83 ppb m
RT: 11.521 min Scan# 3359
Delta R.T. 0.005 min
Lab File: cs8568.D
Acq: 17 Sep 2025 11:28 am

Tgt Ion:178 Resp: 362

Ion	Ratio	Lower	Upper
178	100		
179	30.9	0.0	45.2
176	28.8	0.0	48.4

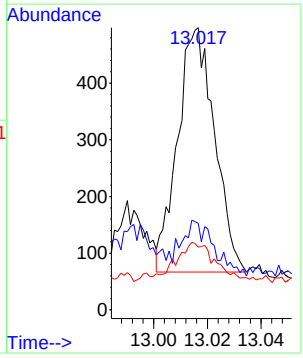


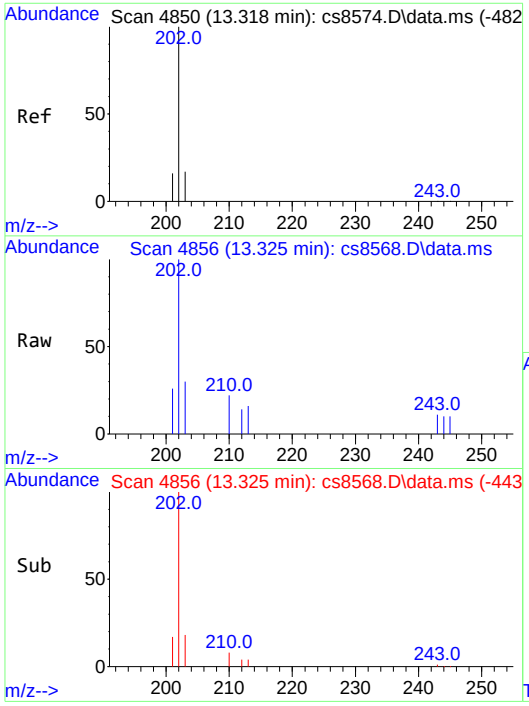


#23
Fluoranthene
Concen: 1.88 ppb
RT: 13.017 min Scan# 4599
Delta R.T. 0.007 min
Lab File: cs8568.D
Acq: 17 Sep 2025 11:28 am

Tgt Ion:202 Resp: 412

Ion	Ratio	Lower	Upper
202	100		
203	18.1	0.0	47.2
201	12.3	0.0	44.0

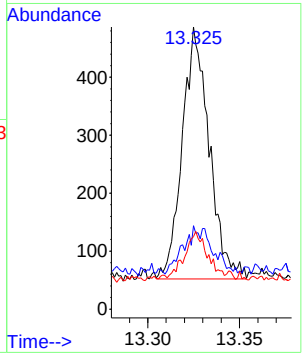


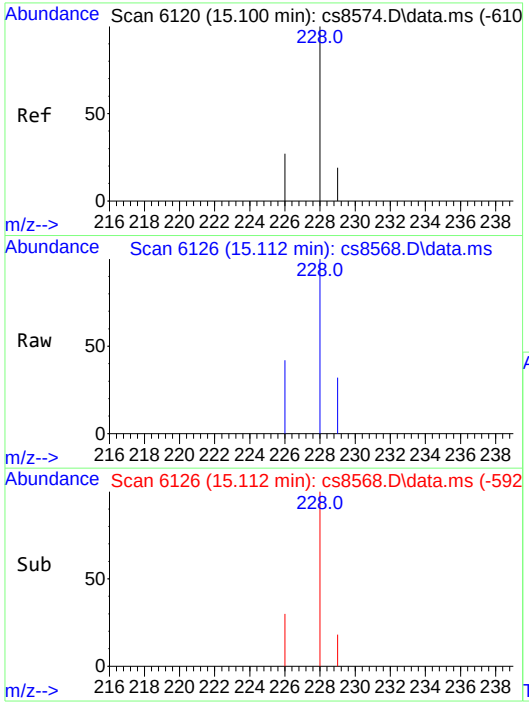


#24
Pyrene
Concen: 1.99 ppb m
RT: 13.325 min Scan# 4856
Delta R.T. 0.007 min
Lab File: cs8568.D
Acq: 17 Sep 2025 11:28 am

Tgt Ion:202 Resp: 443

Ion	Ratio	Lower	Upper
202	100		
203	29.6	0.0	47.1
201	25.7	0.0	46.4

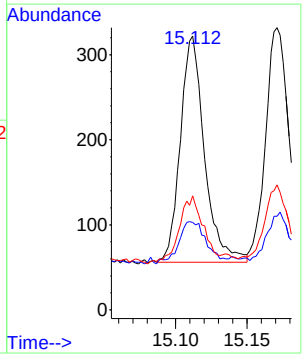


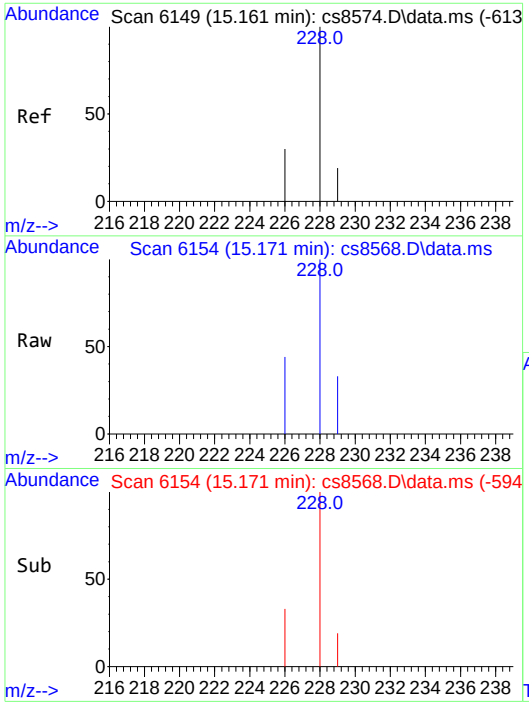


#26
Benzo[a]anthracene
Concen: 1.93 ppb m
RT: 15.112 min Scan# 6126
Delta R.T. 0.012 min
Lab File: cs8568.D
Acq: 17 Sep 2025 11:28 am

Tgt Ion:228 Resp: 313

Ion	Ratio	Lower	Upper
228	100		
229	32.0	0.0	49.1
226	41.6	0.0	57.0

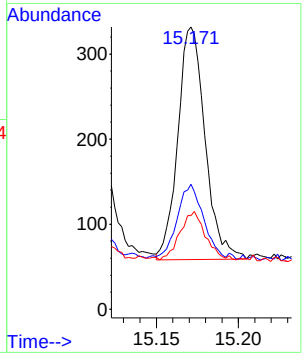


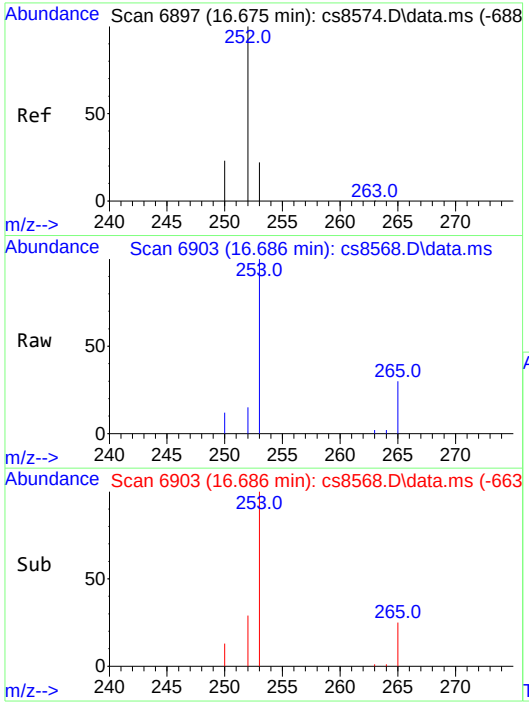


#27
Chrysene
Concen: 1.93 ppb
RT: 15.171 min Scan# 6154
Delta R.T. 0.010 min
Lab File: cs8568.D
Acq: 17 Sep 2025 11:28 am

Tgt Ion:228 Resp: 316

Ion	Ratio	Lower	Upper
228	100		
226	32.0	0.0	59.6
229	18.3	0.0	49.1

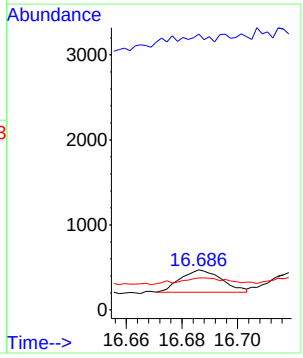


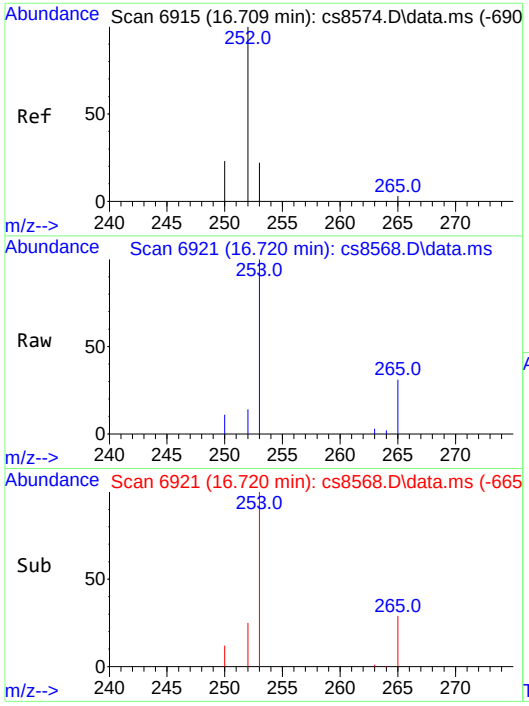


#29
Benzo[b]fluoranthene
Concen: 1.90 ppb
RT: 16.686 min Scan# 6903
Delta R.T. 0.011 min
Lab File: cs8568.D
Acq: 17 Sep 2025 11:28 am

Tgt Ion:252 Resp: 275

Ion	Ratio	Lower	Upper
252	100		
253	25.3	0.0	51.5
250	23.7	0.0	53.4

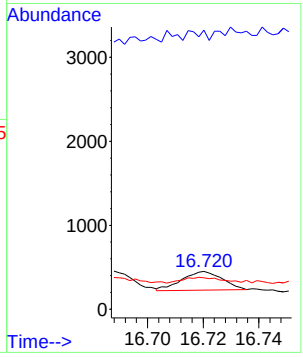


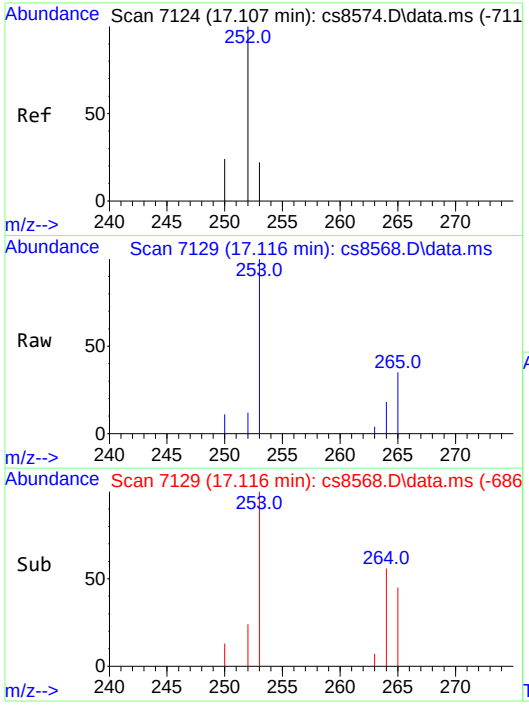


#30
Benzo[k]fluoranthene
Concen: 1.58 ppb
RT: 16.720 min Scan# 6921
Delta R.T. 0.011 min
Lab File: cs8568.D
Acq: 17 Sep 2025 11:28 am

Tgt Ion:252 Resp: 223

Ion	Ratio	Lower	Upper
252	100		
253	29.5	0.0	51.3
250	18.8	0.0	53.2

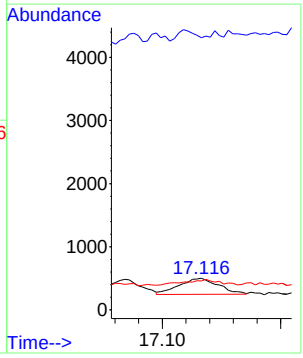


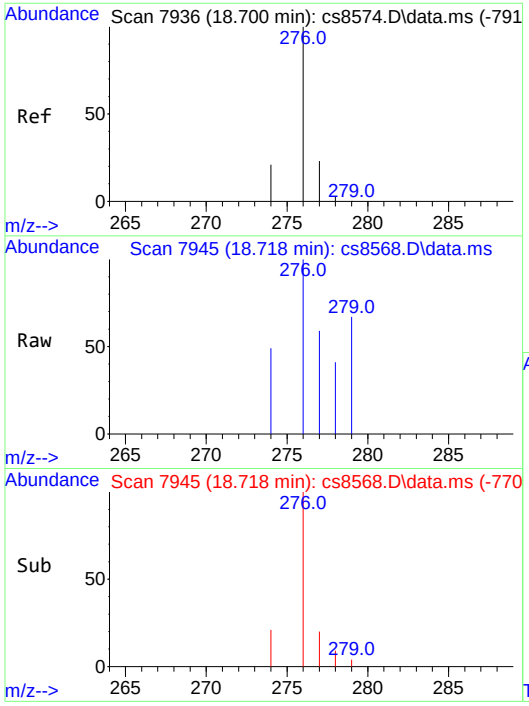


#31
Benzo[a]pyrene
Concen: 2.20 ppb
RT: 17.116 min Scan# 7129
Delta R.T. 0.009 min
Lab File: cs8568.D
Acq: 17 Sep 2025 11:28 am

Tgt Ion:252 Resp: 294

Ion	Ratio	Lower	Upper
252	100		
253	0.0	0.0	51.3
250	20.6	0.0	53.7

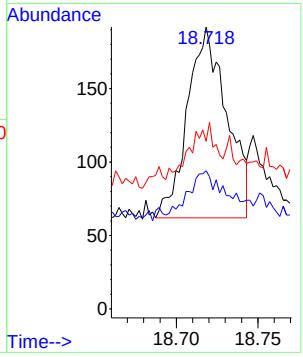


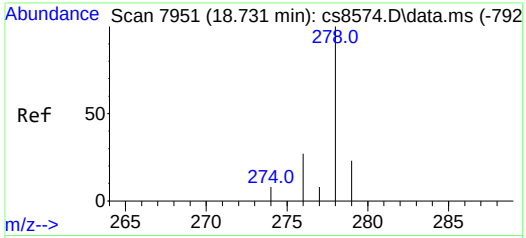


#32
Indeno[1,2,3-cd]pyrene
Concen: 2.00 ppb m
RT: 18.718 min Scan# 7945
Delta R.T. 0.018 min
Lab File: cs8568.D
Acq: 17 Sep 2025 11:28 am

Tgt Ion:276 Resp: 218

Ion	Ratio	Lower	Upper
276	100		
274	49.0	0.0	50.4
277	59.4	0.0	52.4#

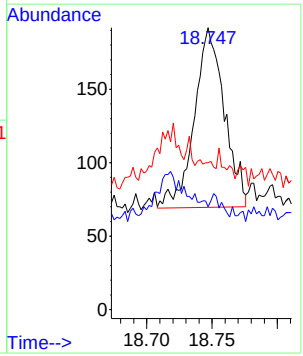


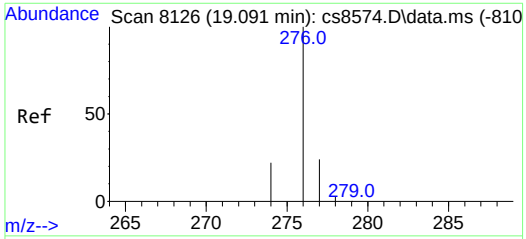


#33
Dibenz[a,h]anthracene
Concen: 1.90 ppb m
RT: 18.747 min Scan# 7959
Delta R.T. 0.016 min
Lab File: cs8568.D
Acq: 17 Sep 2025 11:28 am

Tgt Ion:278 Resp: 196

Ion	Ratio	Lower	Upper
278	100		
274	36.5	0.0	38.4
277	52.1	0.0	37.8#

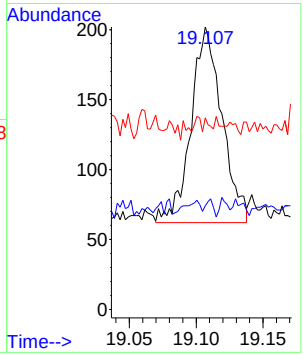




#34
Benzo[g,h,i]perylene
Concen: 2.12 ppb m
RT: 19.107 min Scan# 8134
Delta R.T. 0.016 min
Lab File: cs8568.D
Acq: 17 Sep 2025 11:28 am

Tgt Ion:276 Resp: 225

Ion	Ratio	Lower	Upper
276	100		
278	36.6	0.0	32.6#
279	67.8	0.0	30.2#



Manual Integration Approval Summary

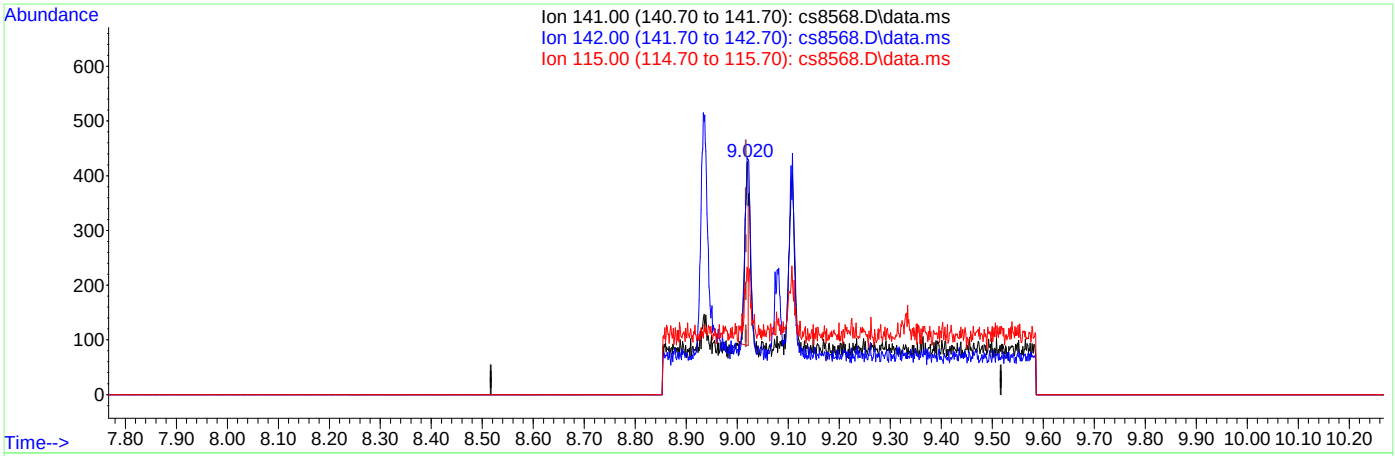
Sample Number: ECS446-IC446
Lab FileID: CS8568.D
Injection Time: 09/17/25 11:28
Method: SW846 8270E BY SIM
Analyst approved: 09/17/25 18:29 Rocquan Salters
Supervisor approved: 09/18/25 10:52 Ying Li

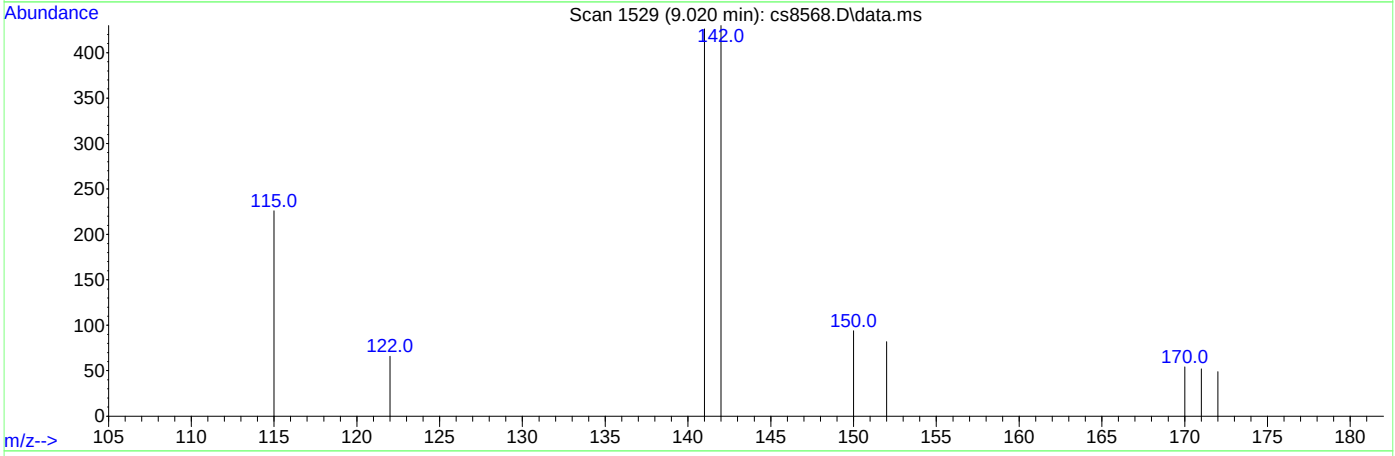
Parameter	CAS	Sig#	R.T. (min.)	Reason
2-Methylnaphthalene	91-57-6		9.02	Baseline ripple
2,4,6-Tribromophenol	118-79-6		10.69	Baseline ripple
Hexachlorobenzene	118-74-1		11.10	Baseline ripple
Pentachlorophenol	87-86-5		11.30	Baseline ripple
Phenanthrene	85-01-8		11.47	Baseline ripple
Anthracene	120-12-7		11.52	Baseline ripple
Pyrene	129-00-0		13.32	Baseline ripple
Terphenyl-d14	1718-51-0		13.60	Baseline ripple
Benzo(a)anthracene	56-55-3		15.11	Baseline ripple
Indeno(1,2,3-cd)pyrene	193-39-5		18.72	Baseline ripple
Dibenzo(a,h)anthracene	53-70-3		18.75	Baseline ripple
Benzo(g,h,i)perylene	191-24-2		19.11	Baseline ripple

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8568.D
Acq On : 17 Sep 2025 11:28 am
Operator : rocquans
Sample : ic446-0.002
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 17 15:45:34 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 15:40:02 2025
Response via : Initial Calibration





TIC: cs8568.D\data.ms

(9) 2-Methylnaphthalene (t)

9.020min (+0.003) 1.25ppb

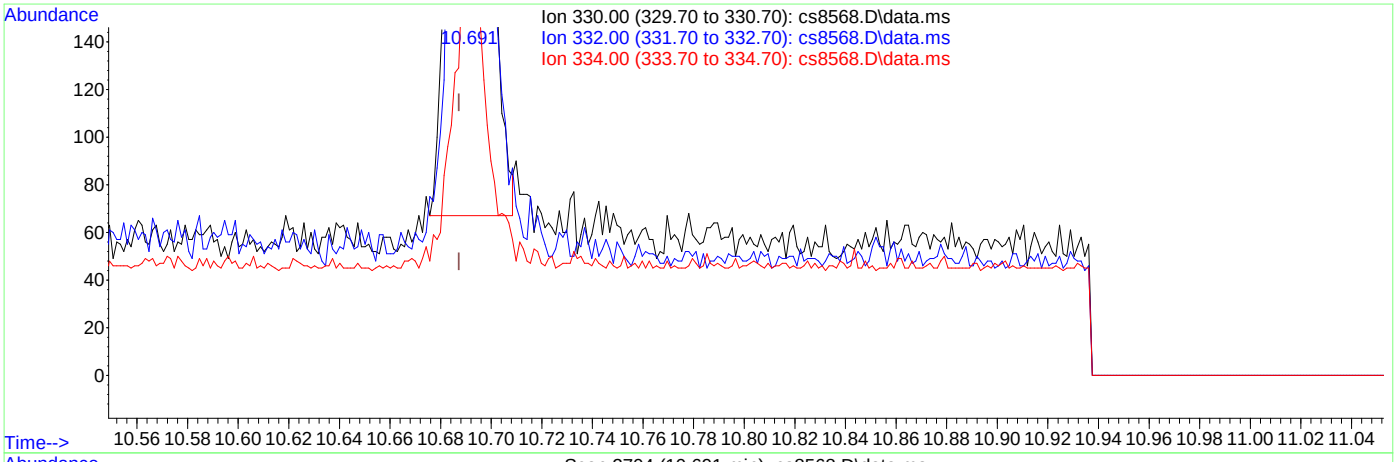
response 149

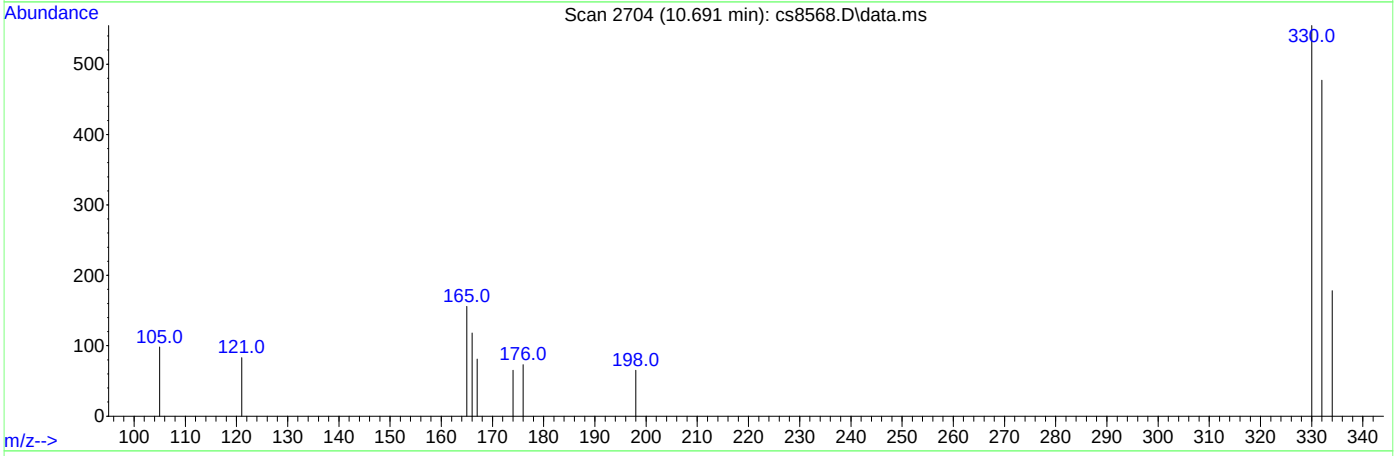
Ion	Exp%	Act%
141.00	100	100
142.00	113.10	83.82
115.00	35.80	28.99
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8568.D
Acq On : 17 Sep 2025 11:28 am
Operator : rocquans
Sample : ic446-0.002
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 17 15:45:34 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 15:40:02 2025
Response via : Initial Calibration





TIC: cs8568.D\data.ms

(17) 2,4,6-Tribromophenol (S)

10.691min (+0.004) 27.36ppb

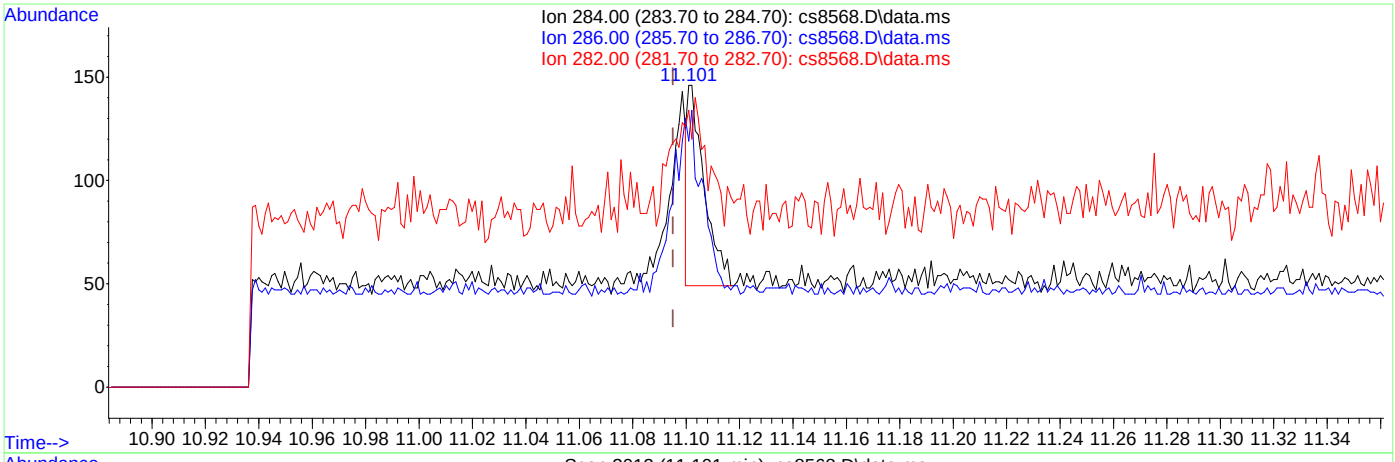
response 393

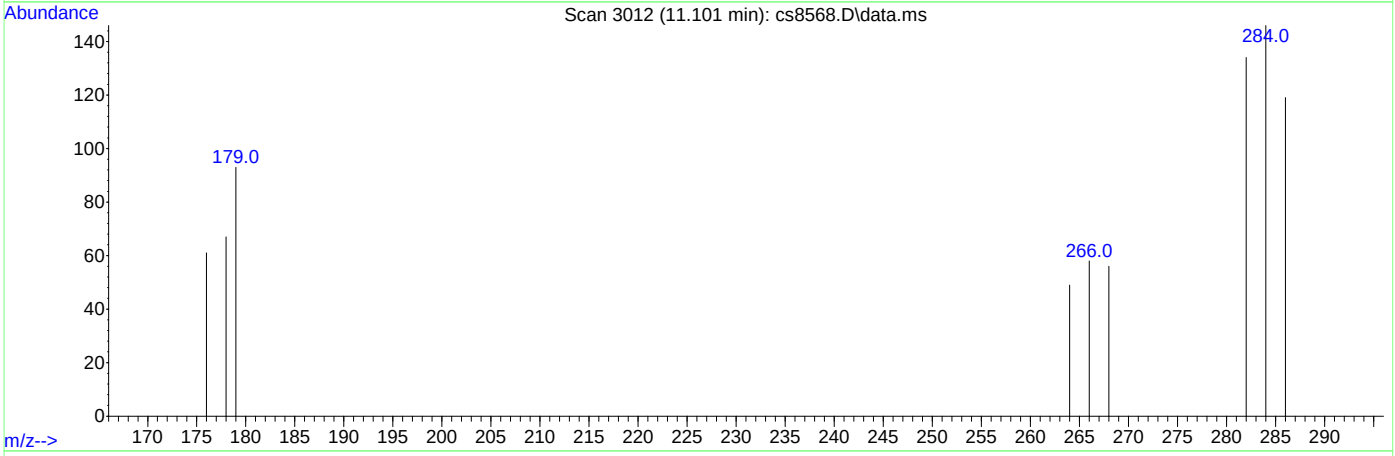
Ion	Exp%	Act%
330.00	100	100
332.00	95.70	82.59
334.00	30.50	26.17
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8568.D
Acq On : 17 Sep 2025 11:28 am
Operator : rocquans
Sample : ic446-0.002
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 17 15:45:34 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 15:40:02 2025
Response via : Initial Calibration





TIC: cs8568.D\data.ms

(19) Hexachlorobenzene (t)

11.101min (+0.006) 1.08ppb

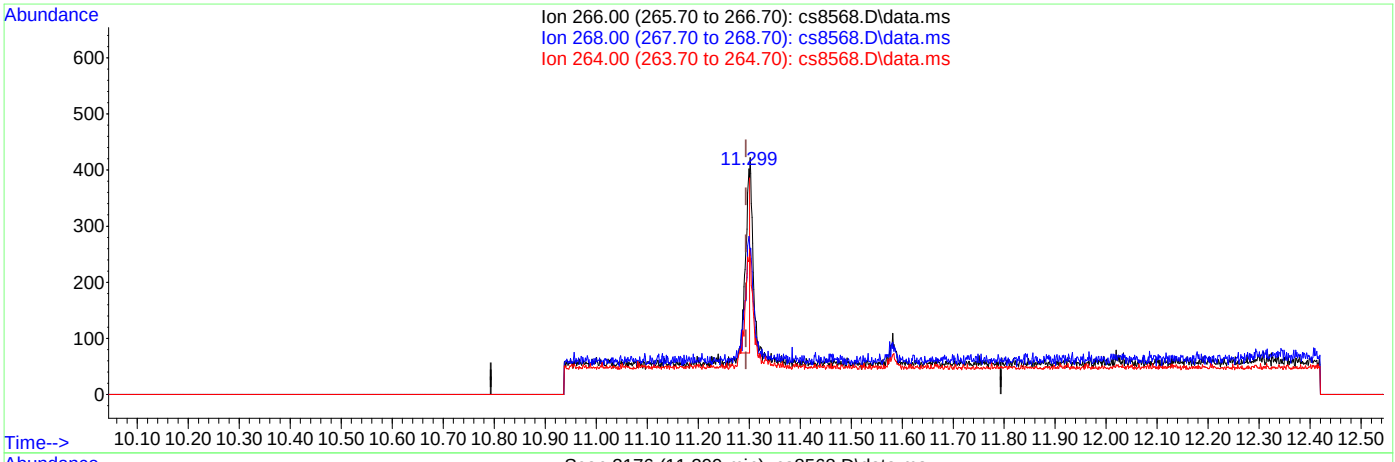
response 42

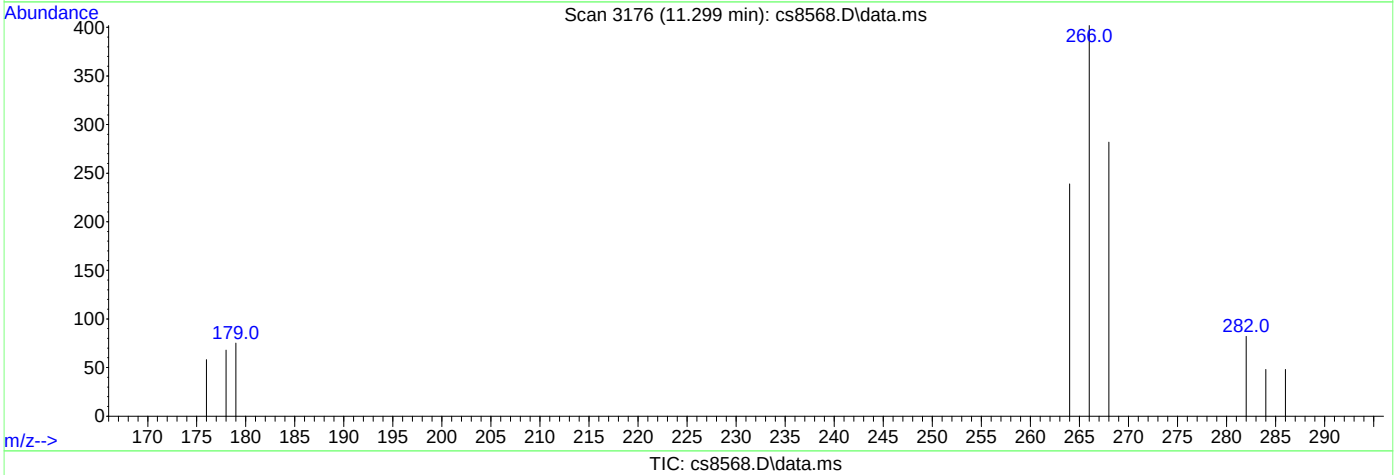
Ion	Exp%	Act%
284.00	100	100
286.00	78.00	51.69
282.00	53.80	42.37
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8568.D
Acq On : 17 Sep 2025 11:28 am
Operator : rocquans
Sample : ic446-0.002
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 17 15:45:34 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 15:40:02 2025
Response via : Initial Calibration





TIC: cs8568.D\data.ms

(20) Pentachlorophenol (t)

11.299min (+0.006) 9.01ppb

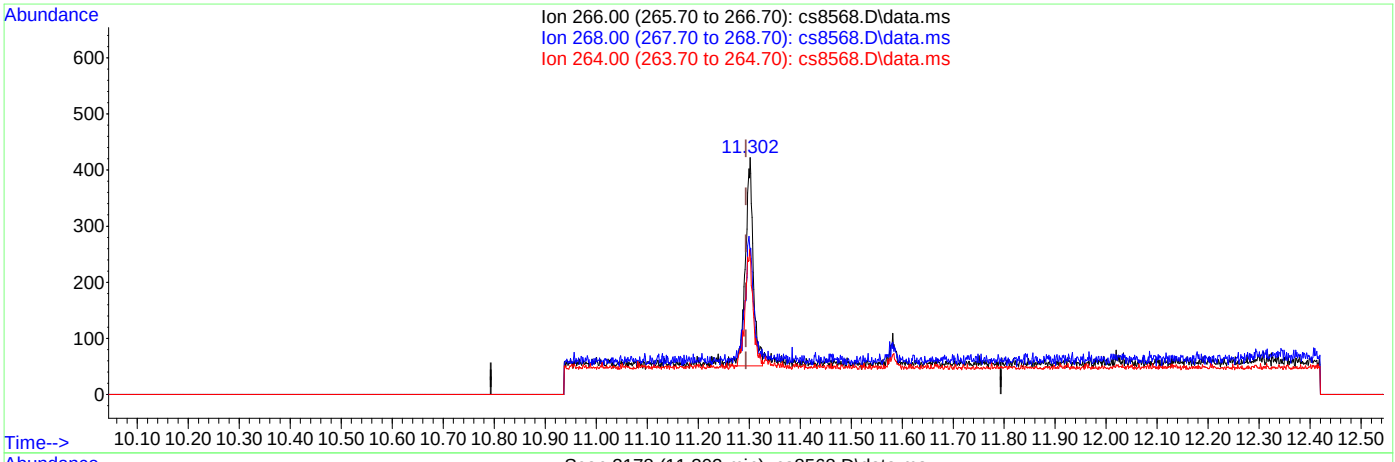
response 180

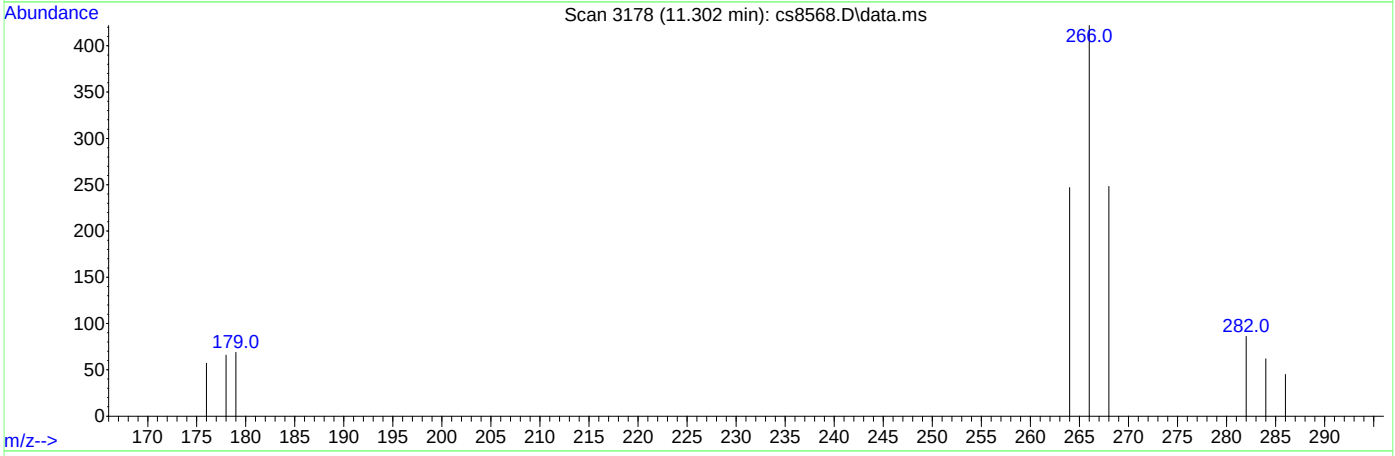
Ion	Exp%	Act%
266.00	100	100
268.00	63.10	65.56
264.00	63.00	35.56#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8568.D
Acq On : 17 Sep 2025 11:28 am
Operator : rocquans
Sample : ic446-0.002
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 17 15:45:34 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 15:40:02 2025
Response via : Initial Calibration





TIC: cs8568.D\data.ms

(20) Pentachlorophenol (t)

11.302min (+0.008) 19.88ppb m

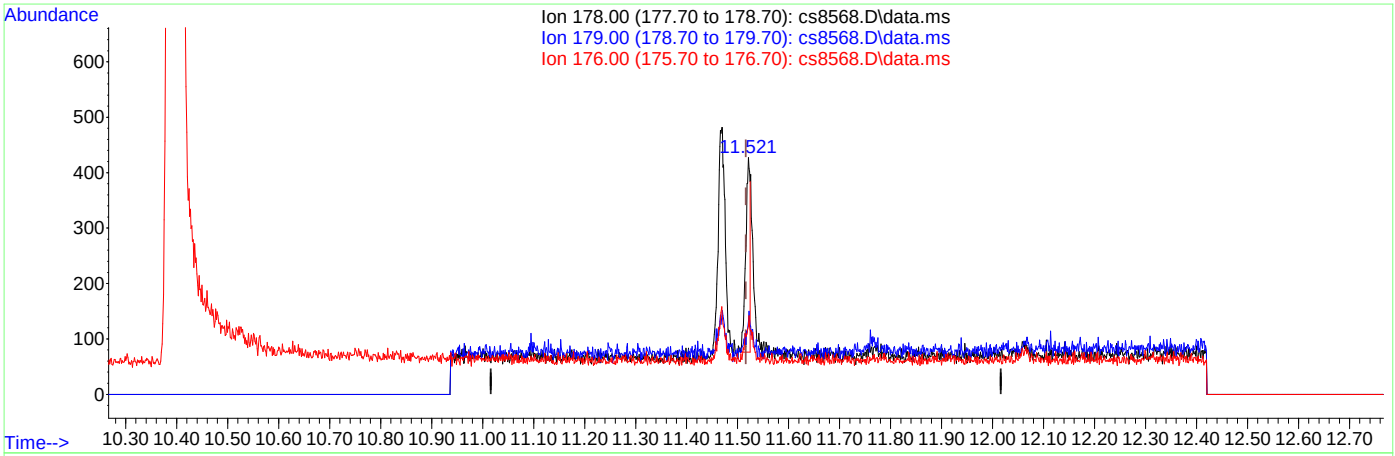
response 397

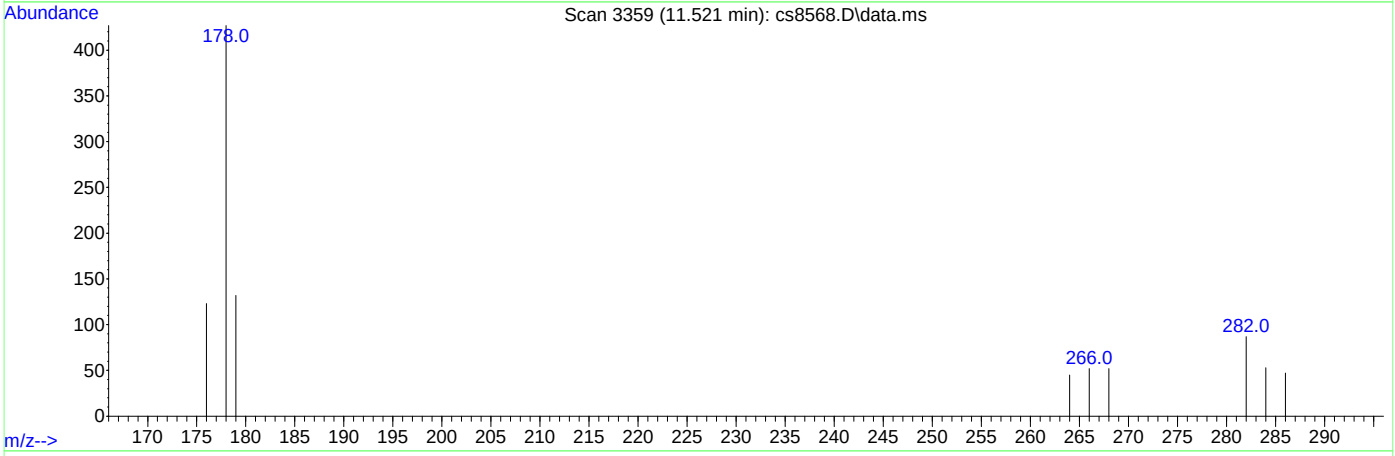
Ion	Exp%	Act%
266.00	100	100
268.00	63.10	29.72#
264.00	63.00	16.12#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8568.D
Acq On : 17 Sep 2025 11:28 am
Operator : rocquans
Sample : ic446-0.002
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 17 15:45:34 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 15:40:02 2025
Response via : Initial Calibration





TIC: cs8568.D\data.ms

(22) Anthracene (t)

11.521min (+0.005) 1.04ppb

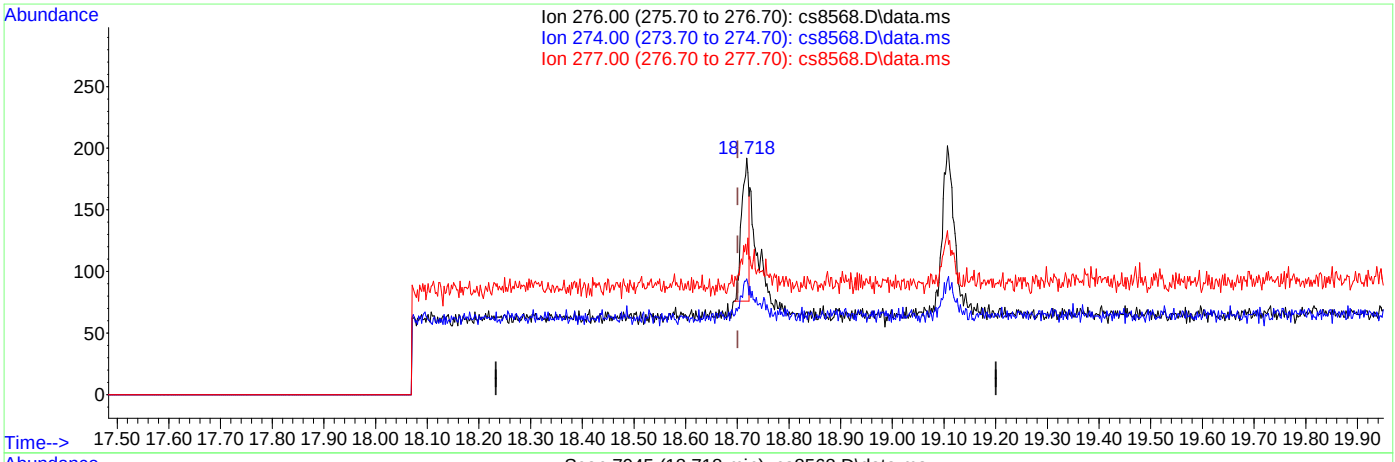
response 206

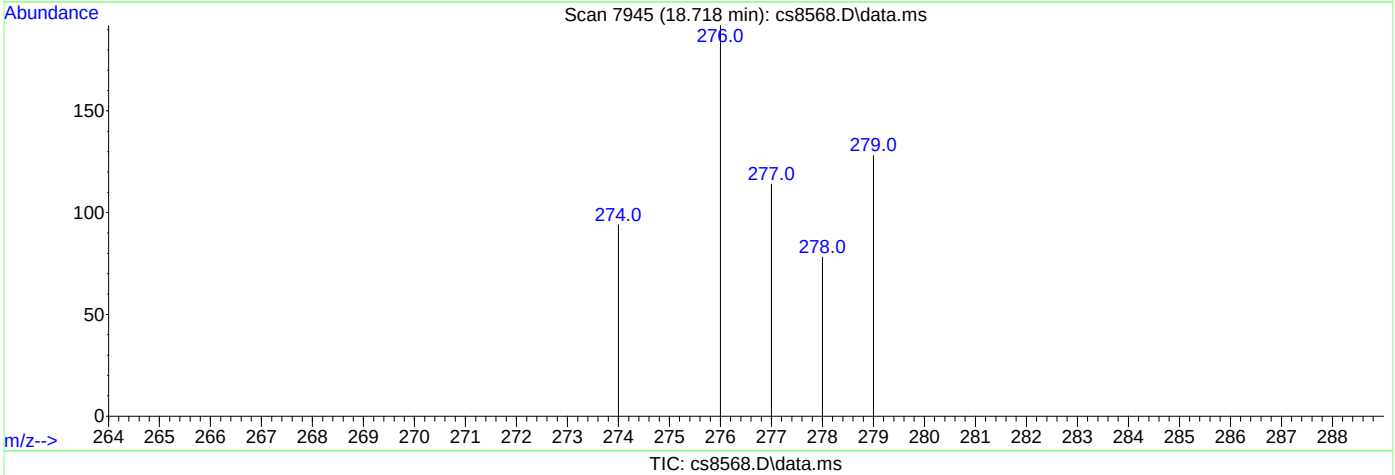
Ion	Exp%	Act%
178.00	100	100
179.00	15.20	16.50
176.00	18.40	18.02
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8568.D
Acq On : 17 Sep 2025 11:28 am
Operator : rocquans
Sample : ic446-0.002
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 17 15:45:34 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 15:40:02 2025
Response via : Initial Calibration





TIC: cs8568.D\data.ms

(32) Indeno[1,2,3-cd]pyrene (t)

18.718min (+0.018) 0.99ppb

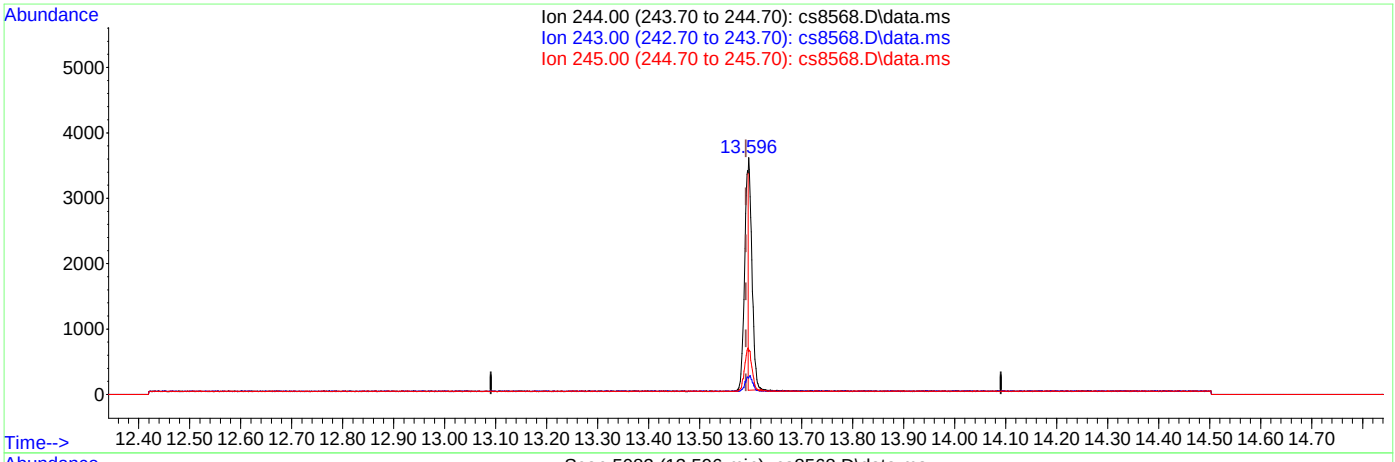
response 108

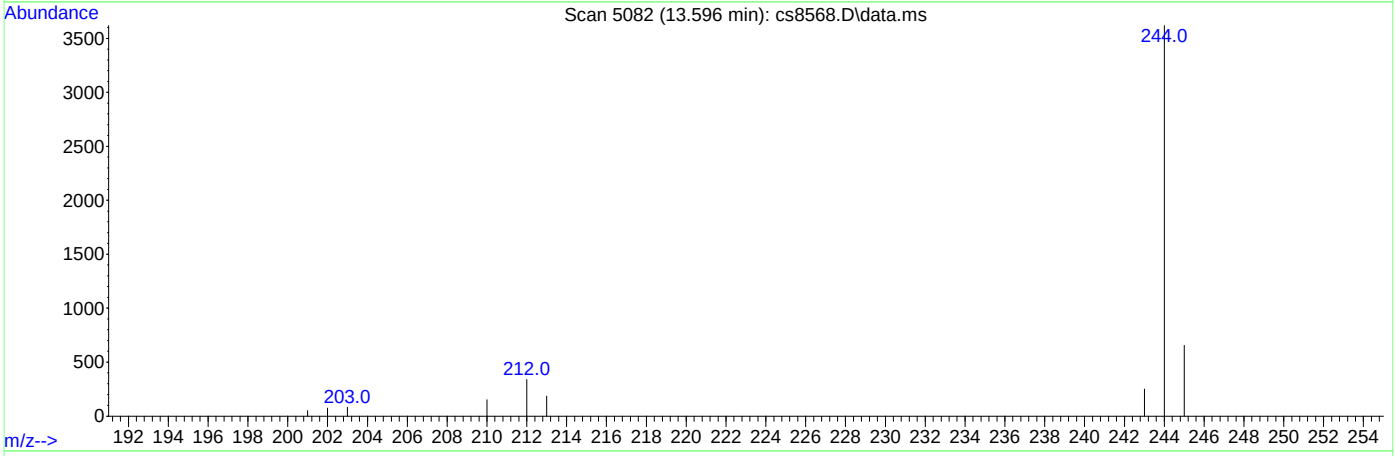
Ion	Exp%	Act%
276.00	100	100
274.00	20.40	28.57
277.00	22.40	14.97
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8568.D
Acq On : 17 Sep 2025 11:28 am
Operator : rocquans
Sample : ic446-0.002
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 17 15:45:34 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 15:40:02 2025
Response via : Initial Calibration





TIC: cs8568.D\data.ms

(25) Terphenyl-d14 (S)

13.596min (+0.006) 19.08ppb

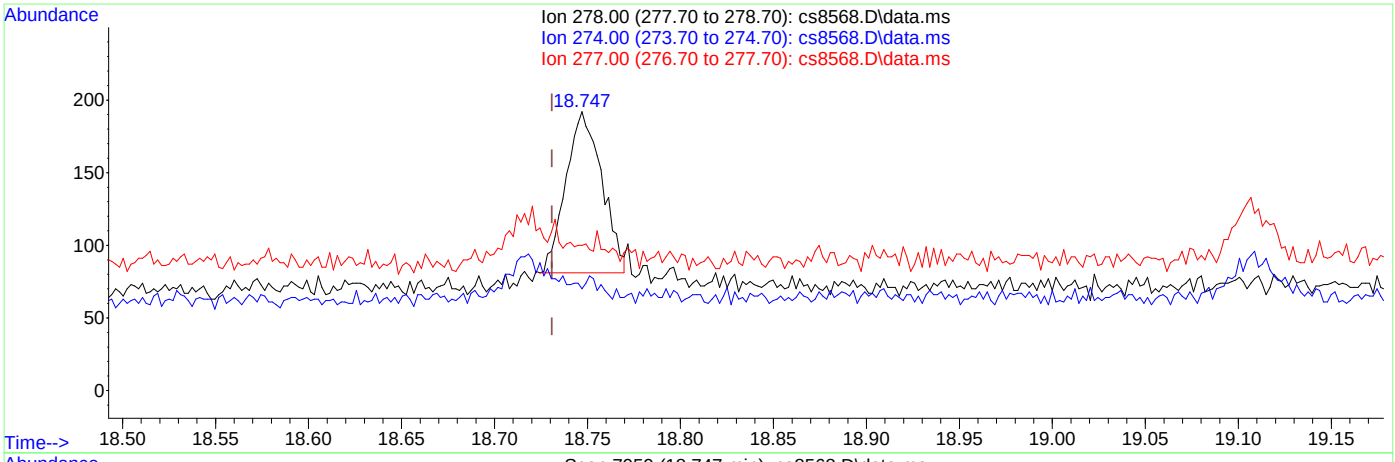
response 1660

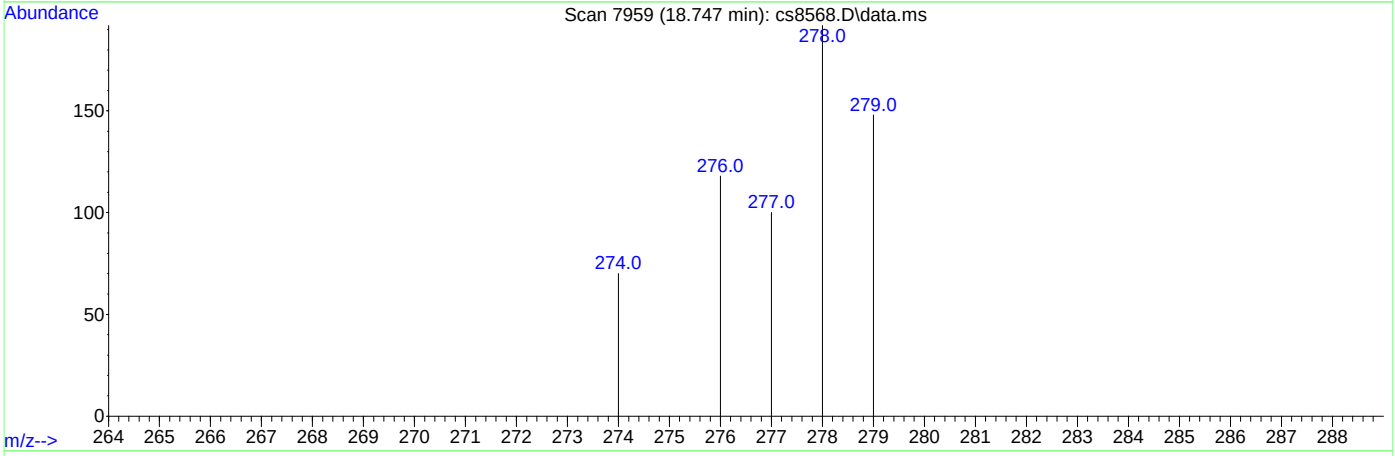
Ion	Exp%	Act%
244.00	100	100
243.00	6.50	5.10
245.00	18.80	14.33
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8568.D
Acq On : 17 Sep 2025 11:28 am
Operator : rocquans
Sample : ic446-0.002
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 17 15:45:34 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 15:40:02 2025
Response via : Initial Calibration





TIC: cs8568.D\data.ms

(33) Dibenz[a,h]anthracene (t)

18.747min (+0.016) 1.45ppb

response 150

Ion	Exp%	Act%
278.00	100	100
274.00	8.40	0.00
277.00	7.80	0.00
0.00	0.00	0.00

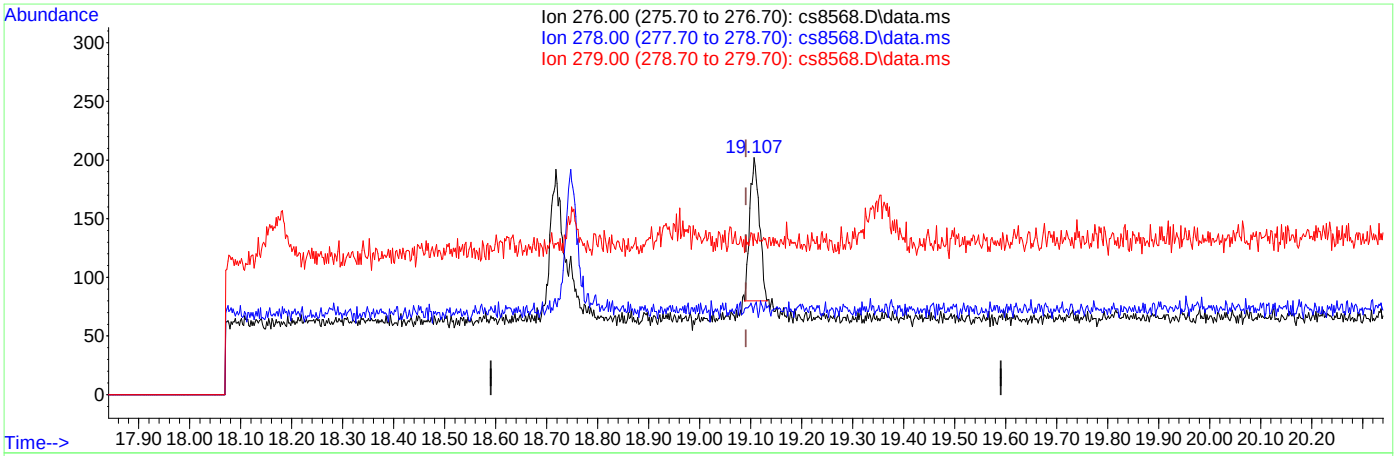
9.5.15.10

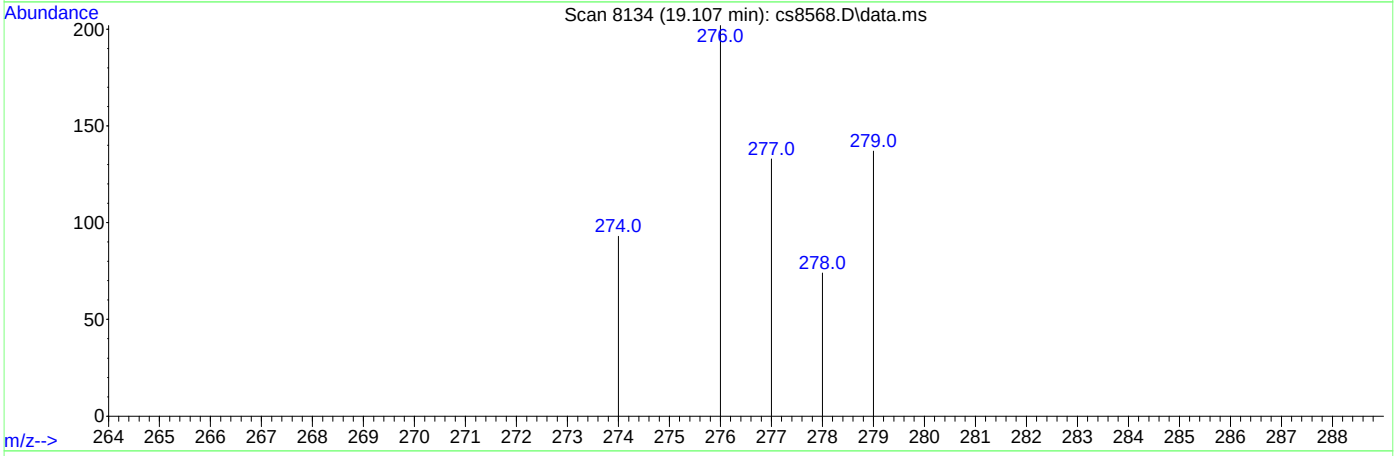
9

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8568.D
Acq On : 17 Sep 2025 11:28 am
Operator : rocquans
Sample : ic446-0.002
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 17 15:45:34 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 15:40:02 2025
Response via : Initial Calibration





TIC: cs8568.D\data.ms

(34) Benzo[g,h,i]perylene (t)

19.107min (+0.016) 1.50ppb

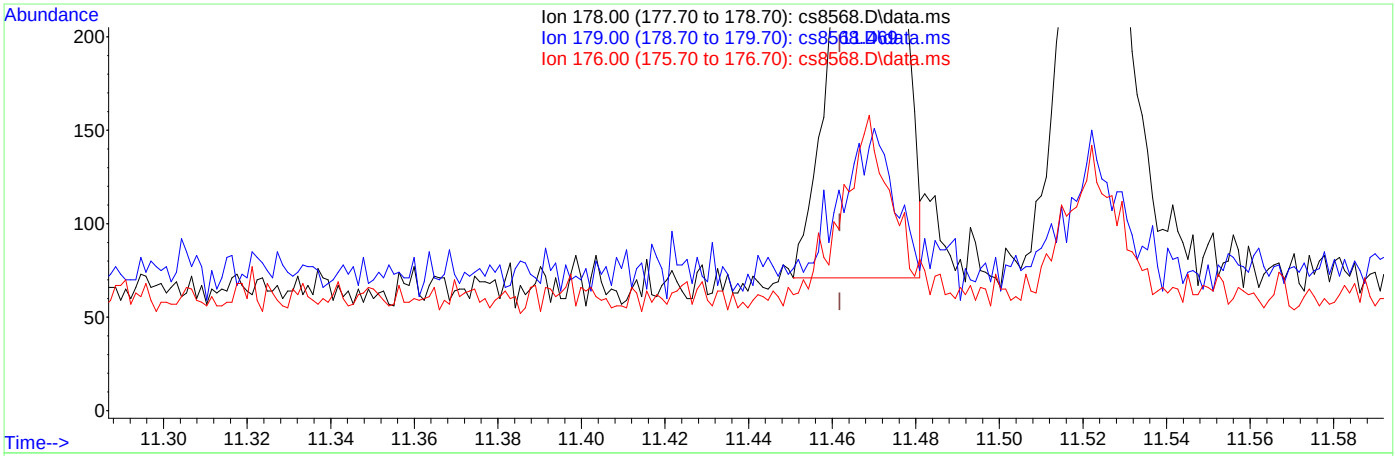
response 159

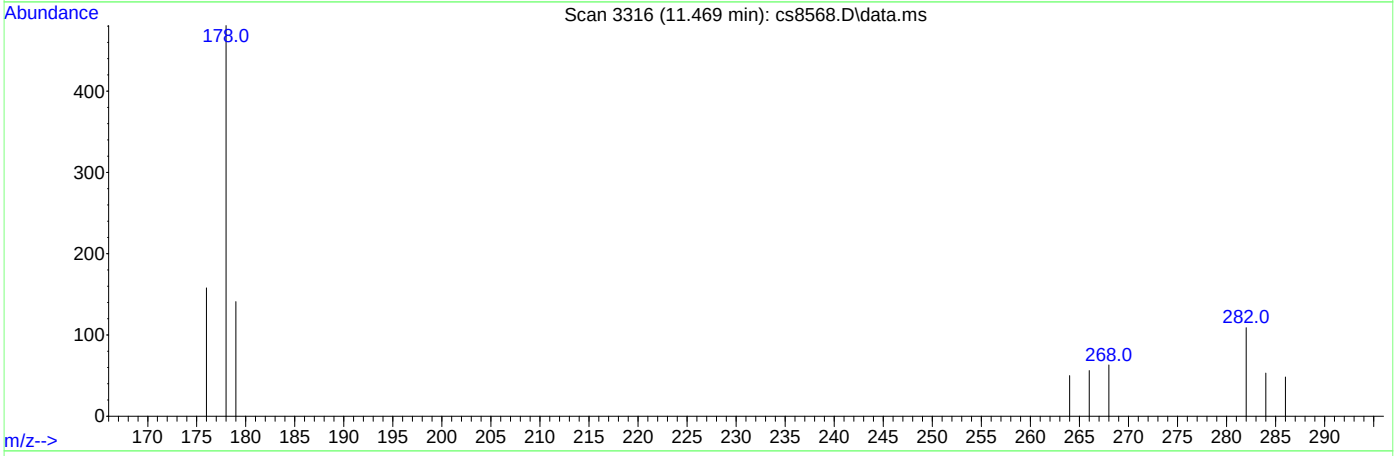
Ion	Exp%	Act%
276.00	100	100
278.00	2.60	0.41
279.00	0.20	10.25
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8568.D
Acq On : 17 Sep 2025 11:28 am
Operator : rocquans
Sample : ic446-0.002
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 17 16:21:34 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration





TIC: cs8568.D\data.ms

(21) Phenanthrene (t)

11.469min (+0.007) 1.82ppb

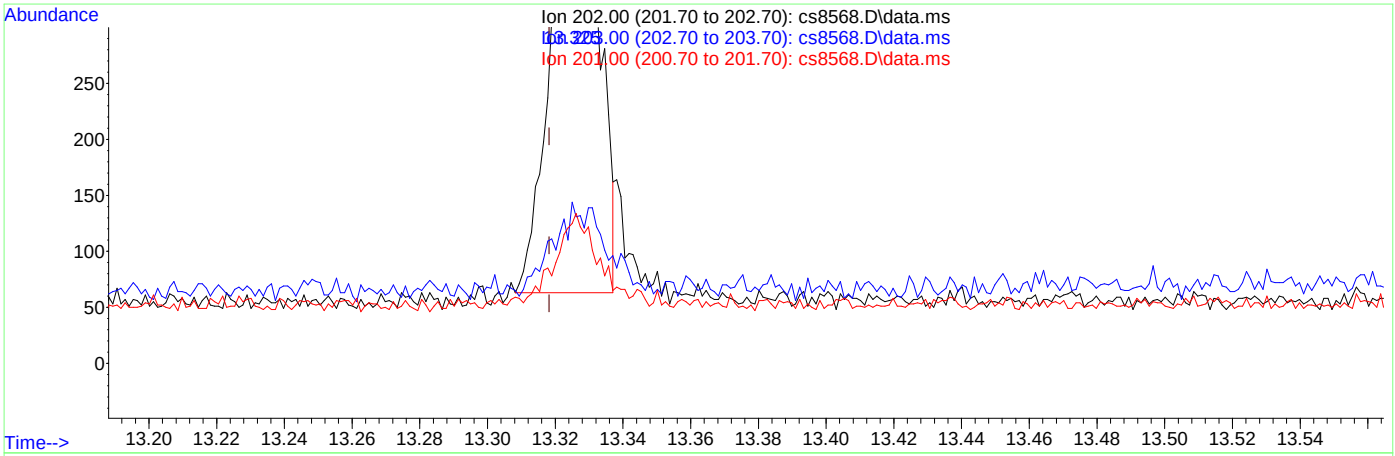
response 380

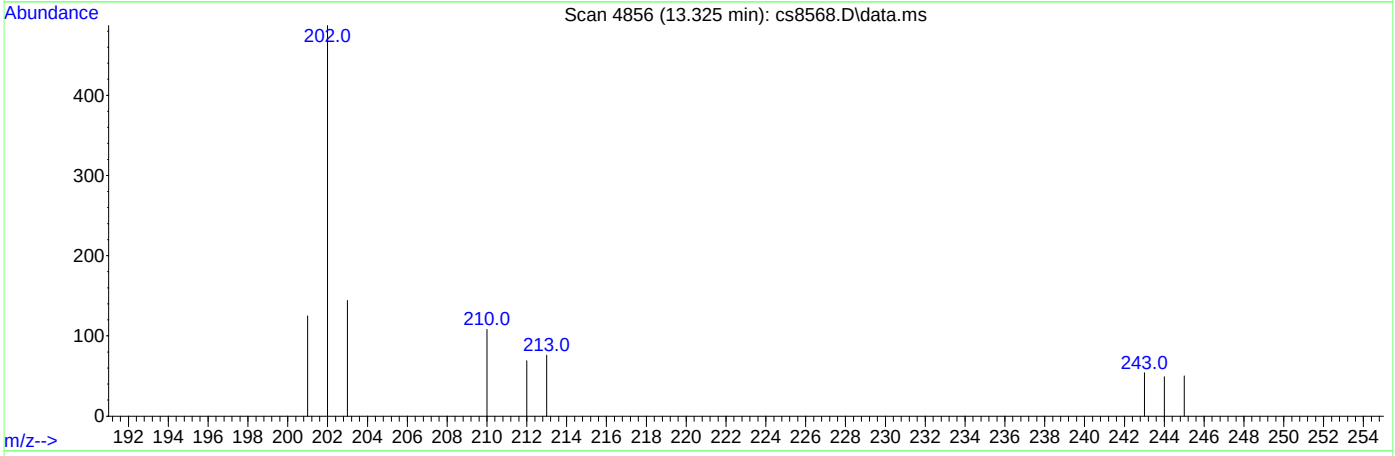
Ion	Exp%	Act%
178.00	100	100
179.00	15.70	16.82
176.00	19.20	22.21
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8568.D
Acq On : 17 Sep 2025 11:28 am
Operator : rocquans
Sample : ic446-0.002
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 17 16:21:34 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration





TIC: cs8568.D\data.ms

(24) Pyrene (t)

13.325min (+0.007) 1.73ppb

response 384

Ion	Exp%	Act%
202.00	100	100
203.00	17.10	16.96
201.00	16.40	16.82
0.00	0.00	0.00

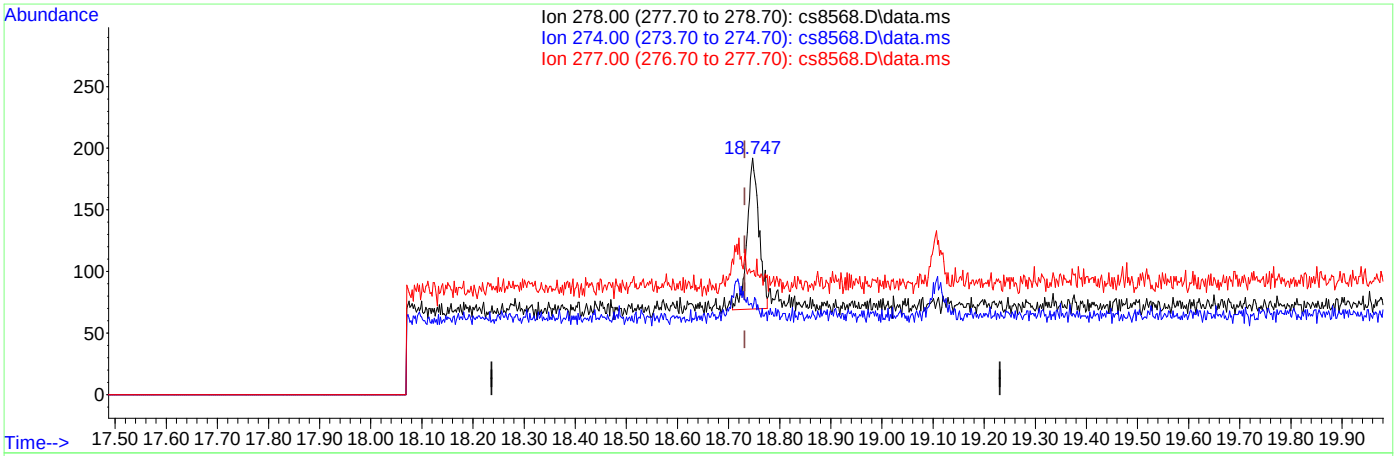
9.5.15.13

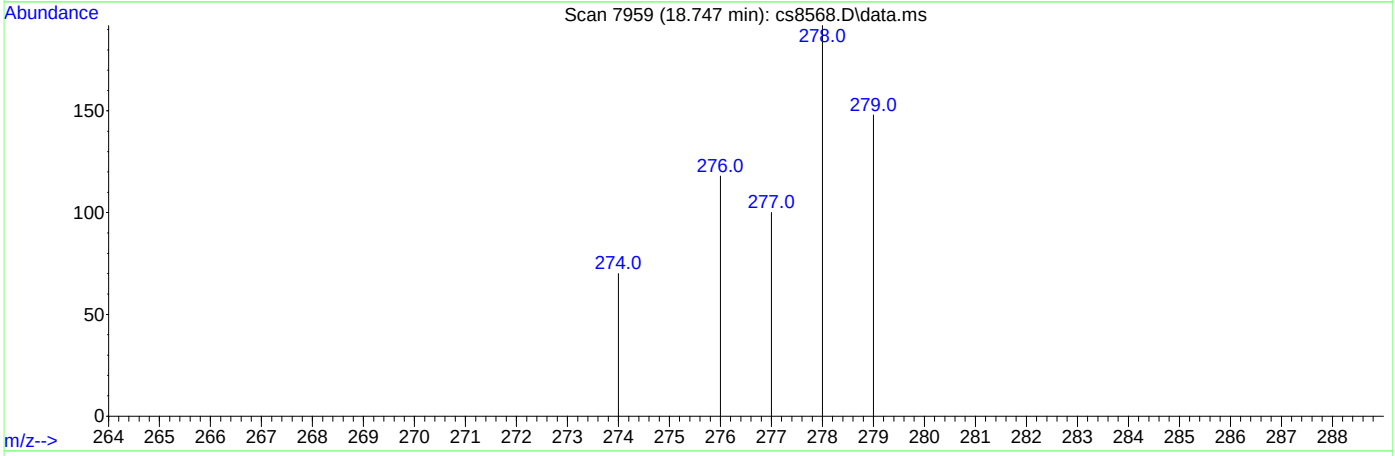
9

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8568.D
Acq On : 17 Sep 2025 11:28 am
Operator : rocquans
Sample : ic446-0.002
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 17 16:21:34 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration





TIC: cs8568.D\data.ms

(33) Dibenz[a,h]anthracene (t)

18.747min (+0.016) 1.90ppb m

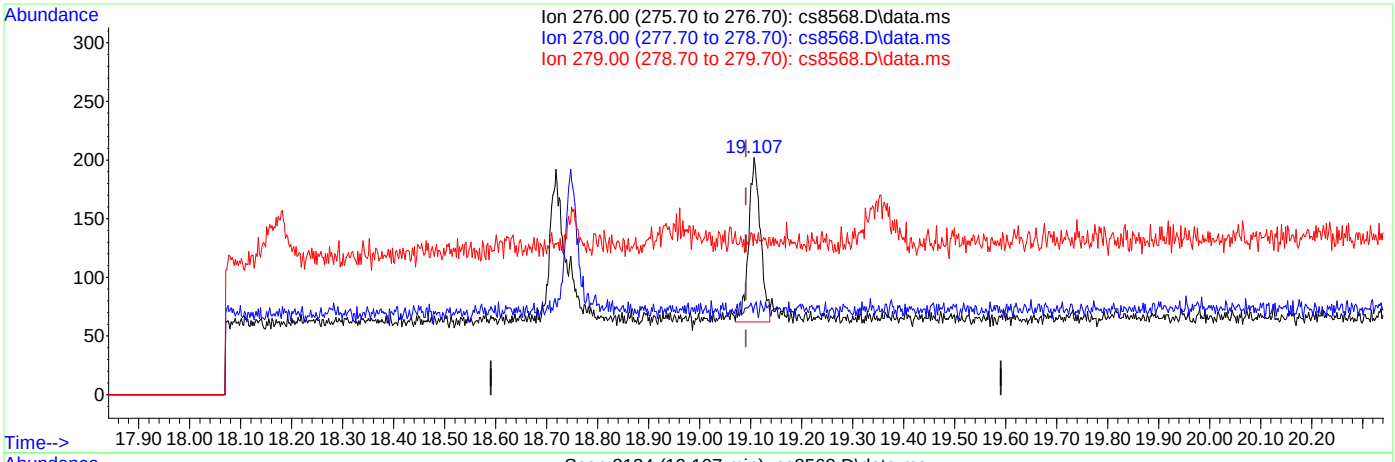
response 196

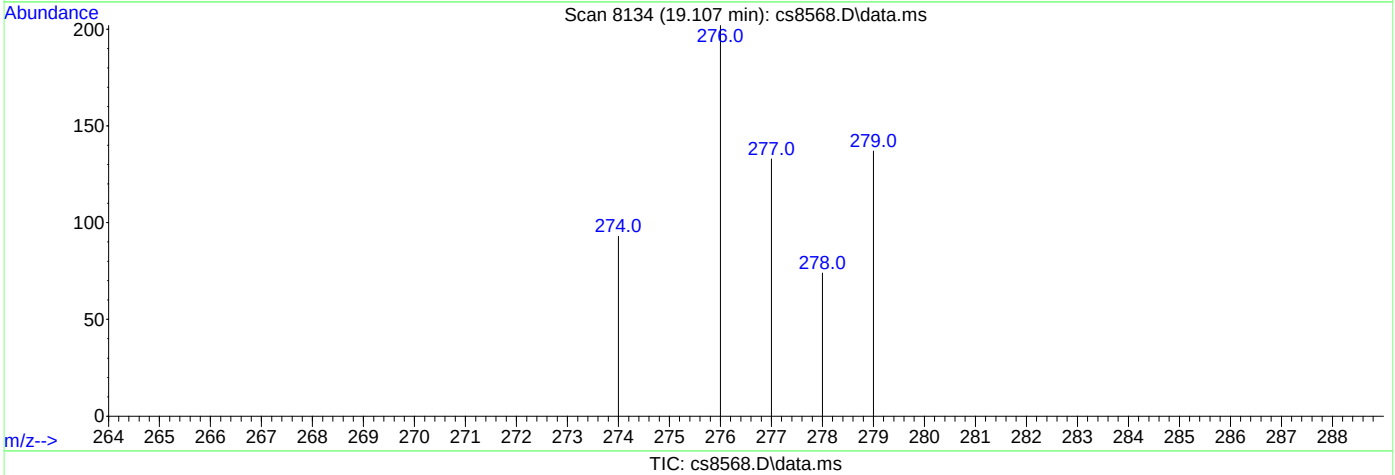
Ion	Exp%	Act%
278.00	100	100
274.00	8.40	36.46
277.00	7.80	52.08#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8568.D
Acq On : 17 Sep 2025 11:28 am
Operator : rocquans
Sample : ic446-0.002
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 17 16:21:34 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration





TIC: cs8568.D\data.ms

(34) Benzo[g,h,i]perylene (t)

19.107min (+0.016) 2.12ppb m

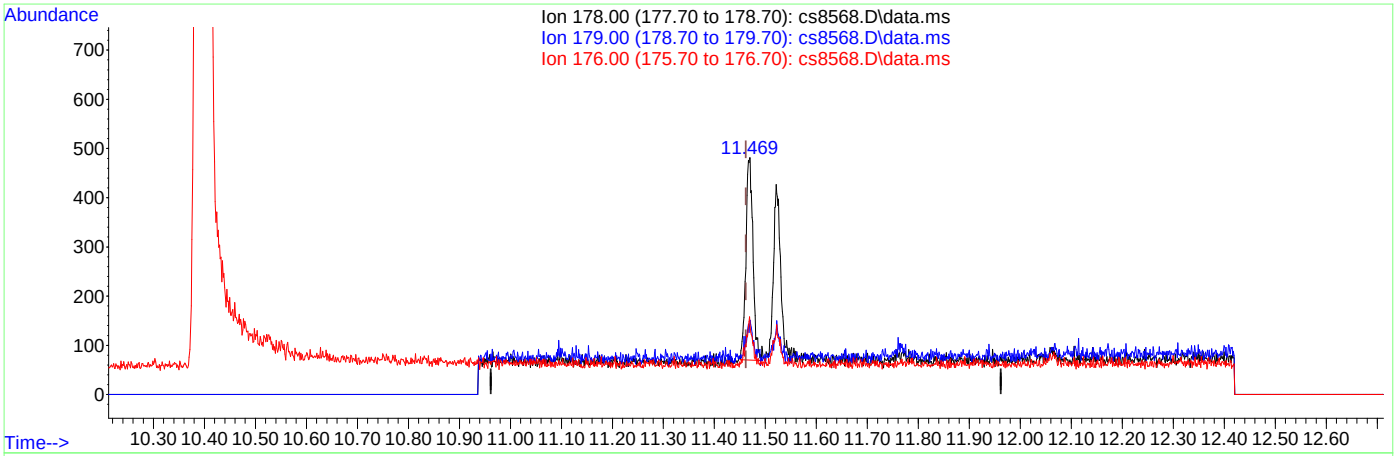
response 225

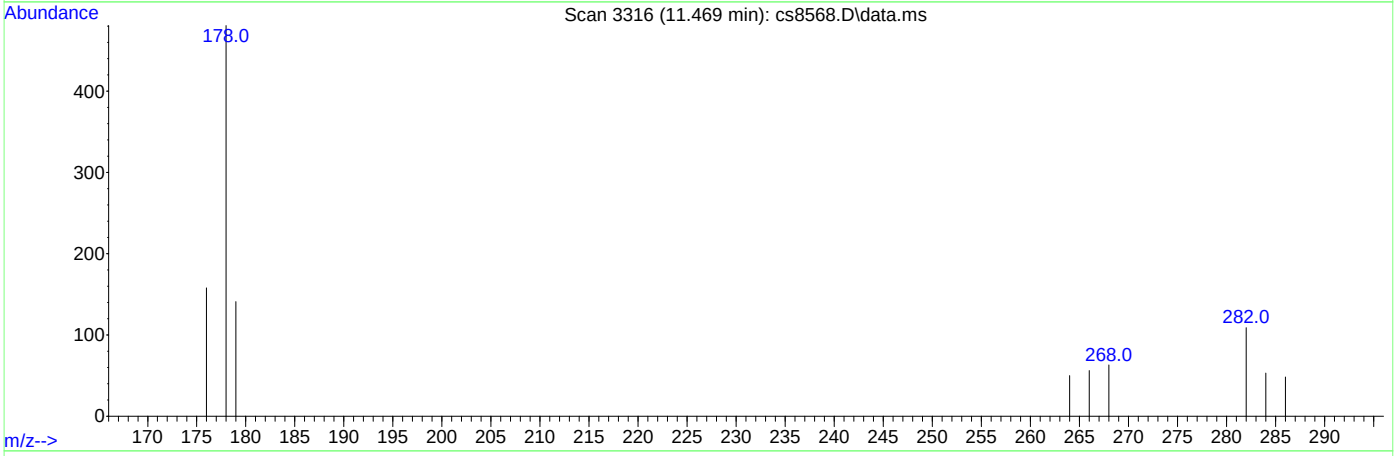
Ion	Exp%	Act%
276.00	100	100
278.00	2.60	36.63#
279.00	0.20	67.82#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8568.D
Acq On : 17 Sep 2025 11:28 am
Operator : rocquans
Sample : ic446-0.002
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 17 16:21:34 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration





TIC: cs8568.D\data.ms

(21) Phenanthrene (t)

11.469min (+0.007) 1.90ppb m

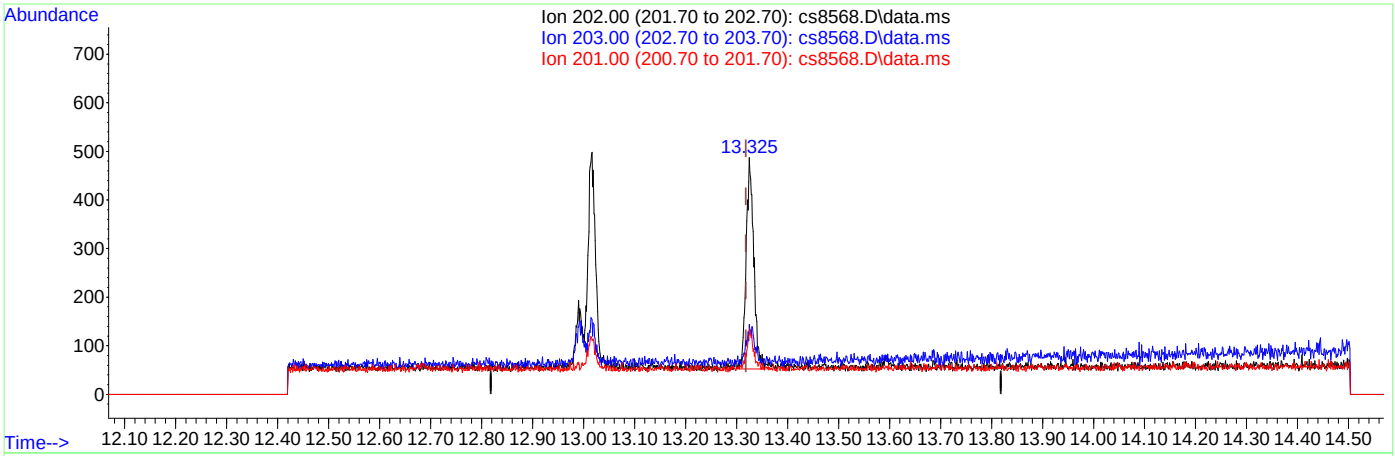
response 397

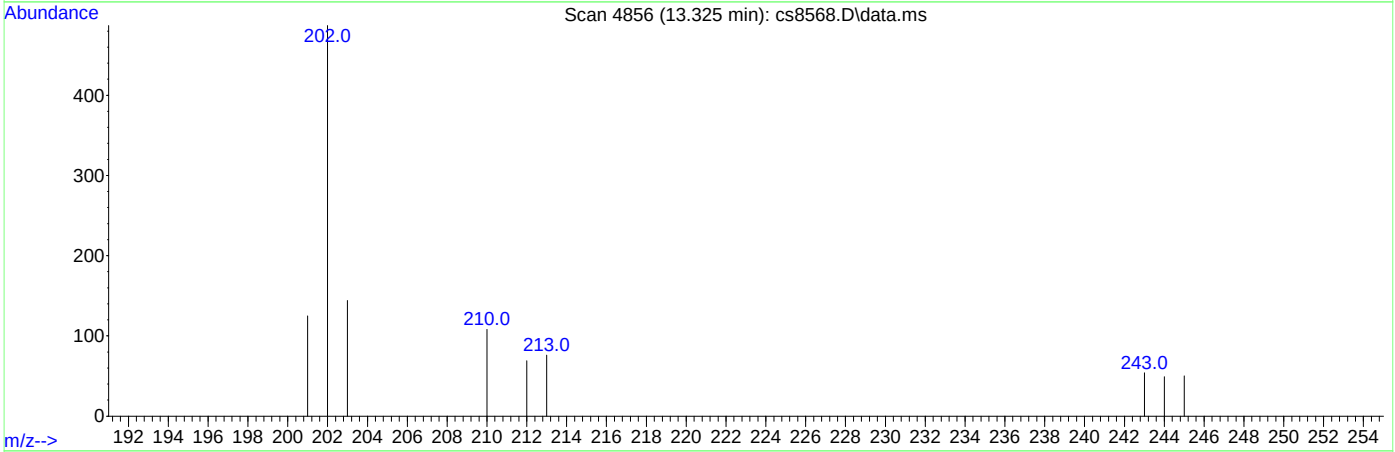
Ion	Exp%	Act%
178.00	100	100
179.00	15.70	29.31
176.00	19.20	32.85
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8568.D
Acq On : 17 Sep 2025 11:28 am
Operator : rocquans
Sample : ic446-0.002
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 17 16:21:34 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration





TIC: cs8568.D\data.ms

(24) Pyrene (t)

13.325min (+0.007) 1.99ppb m

response 443

Ion	Exp%	Act%
202.00	100	100
203.00	17.10	29.57
201.00	16.40	25.67
0.00	0.00	0.00

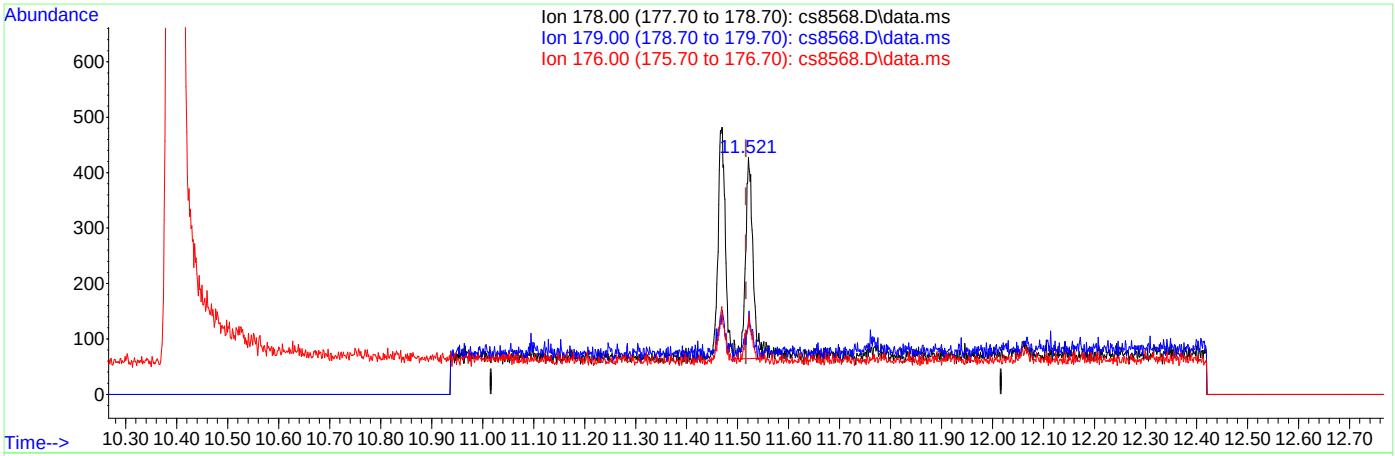
9.5.15.17

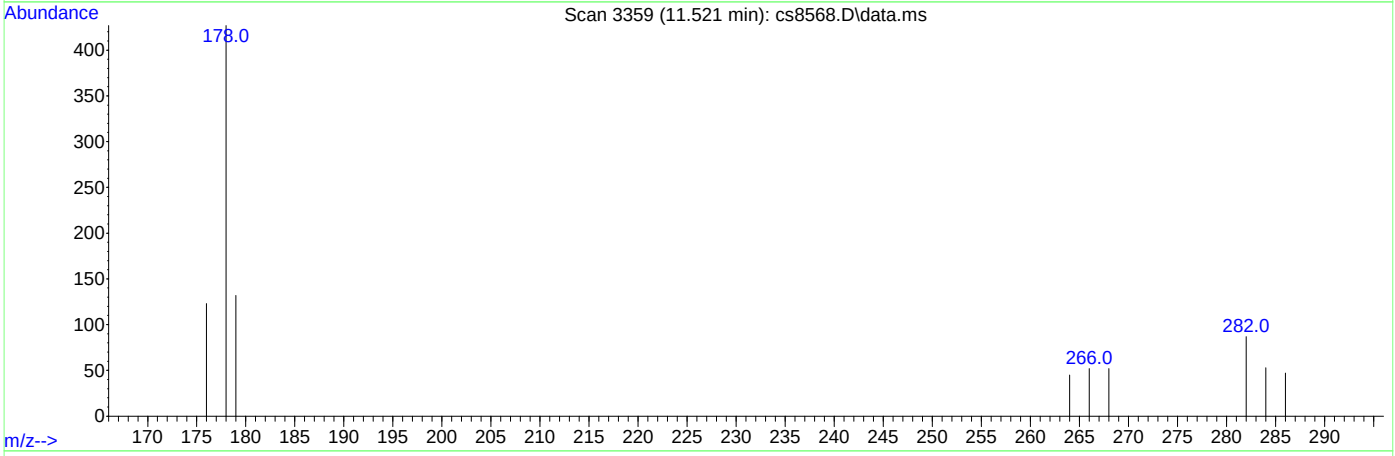
9

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8568.D
Acq On : 17 Sep 2025 11:28 am
Operator : rocquans
Sample : ic446-0.002
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 17 16:21:34 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration





TIC: cs8568.D\data.ms

(22) Anthracene (t)

11.521min (+0.005) 1.83ppb m

response 362

Ion	Exp%	Act%
178.00	100	100
179.00	15.20	30.91
176.00	18.40	28.81
0.00	0.00	0.00

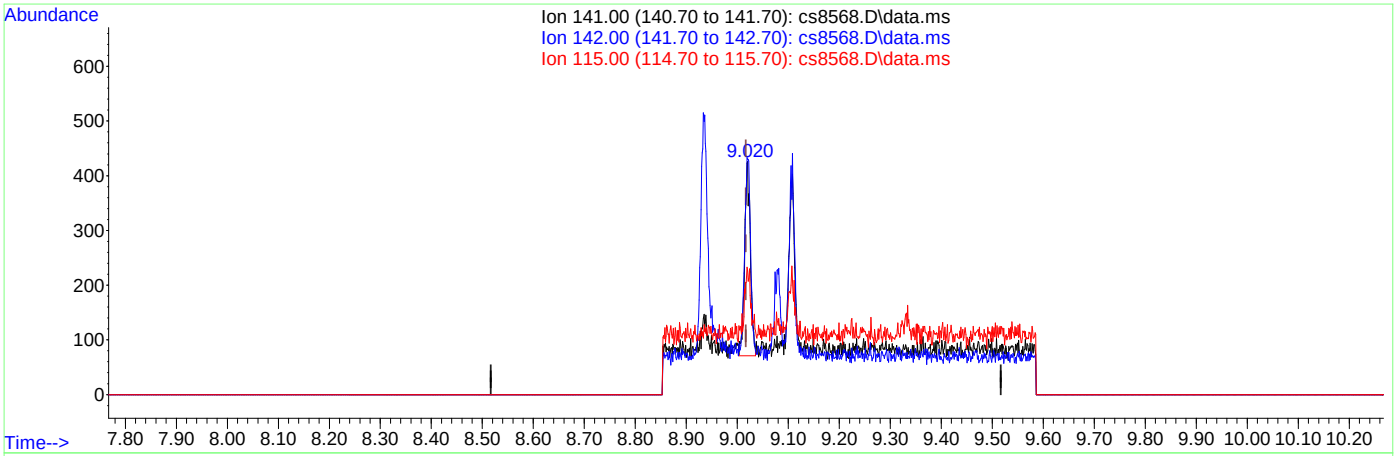
9.5.15.18

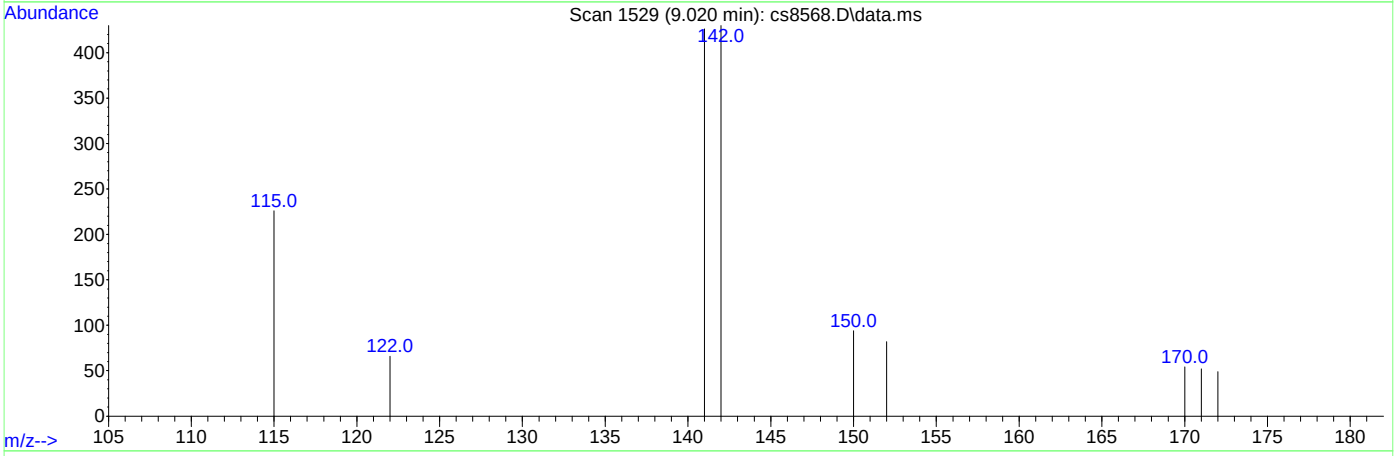
9

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8568.D
Acq On : 17 Sep 2025 11:28 am
Operator : rocquans
Sample : ic446-0.002
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 17 16:21:34 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration





TIC: cs8568.D\data.ms

(9) 2-Methylnaphthalene (t)

9.020min (+0.003) 2.28ppb m

response 272

Ion	Exp%	Act%
141.00	100	100
142.00	113.10	100.94
115.00	35.80	53.05
0.00	0.00	0.00

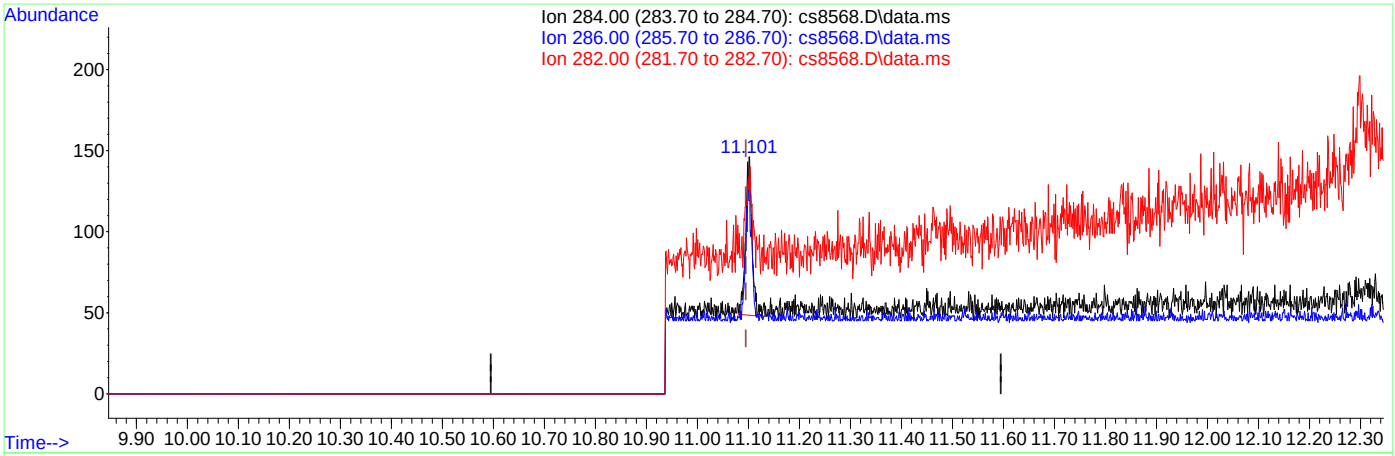
9.5.15.19

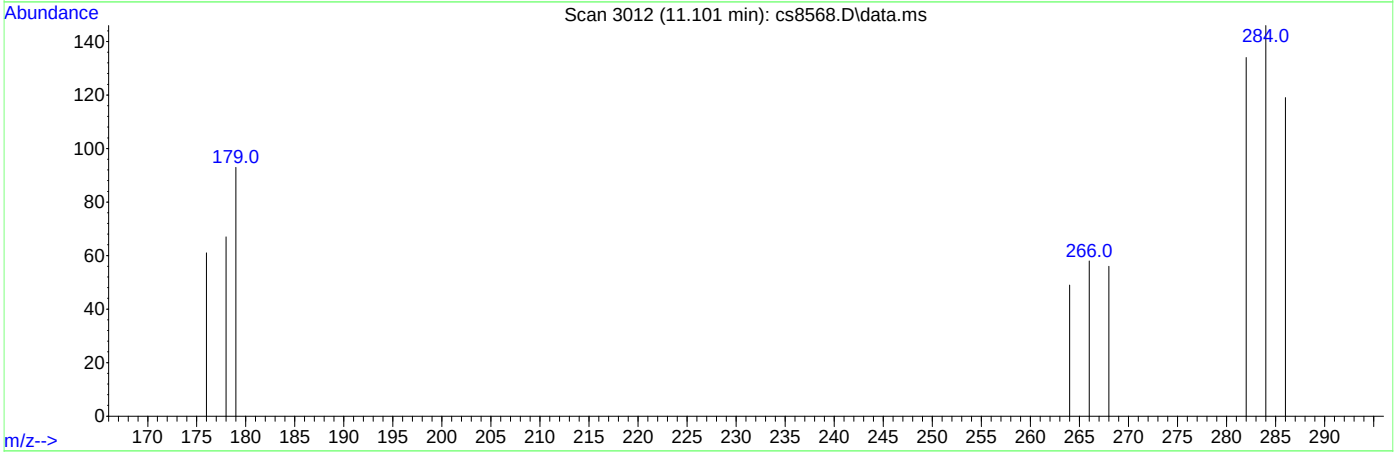
9

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8568.D
Acq On : 17 Sep 2025 11:28 am
Operator : rocquans
Sample : ic446-0.002
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 17 16:21:34 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration





TIC: cs8568.D\data.ms

(19) Hexachlorobenzene (t)

11.101min (+0.006) 2.13ppb m

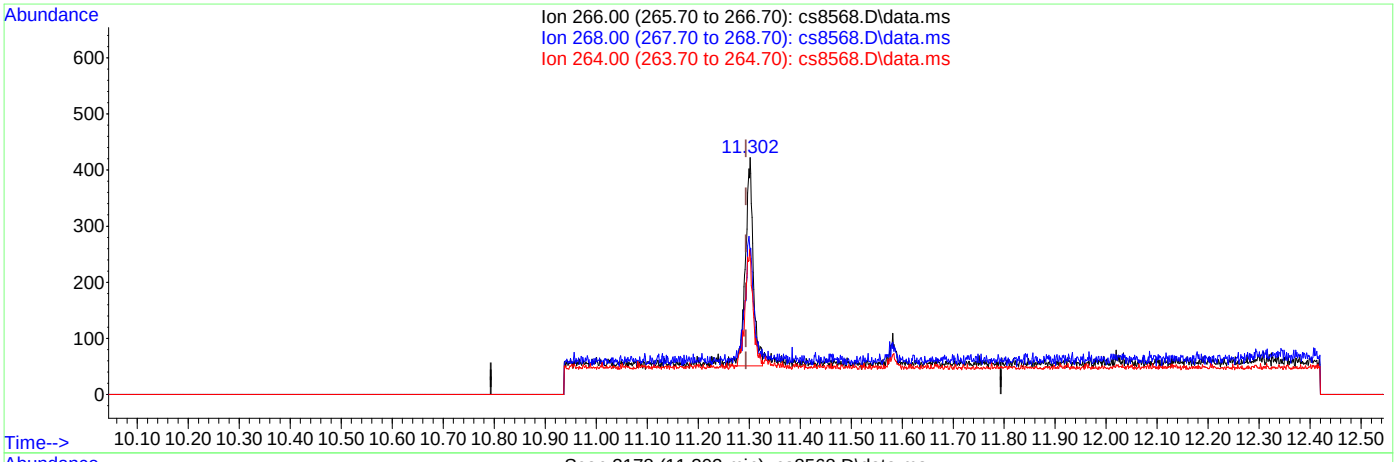
response 83

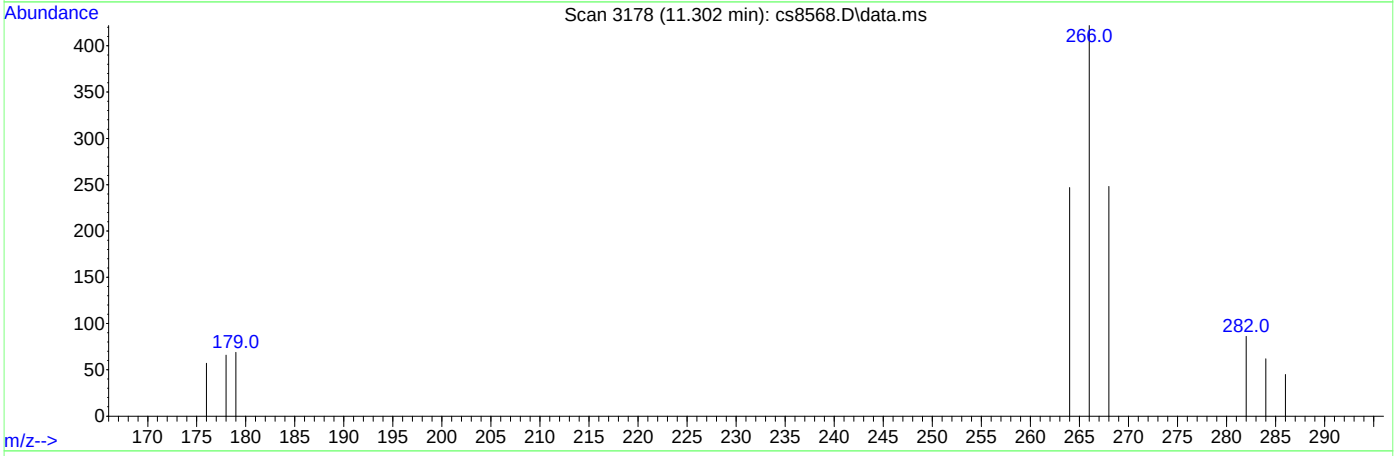
Ion	Exp%	Act%
284.00	100	100
286.00	78.00	81.51
282.00	53.80	91.78#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8568.D
Acq On : 17 Sep 2025 11:28 am
Operator : rocquans
Sample : ic446-0.002
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 17 16:21:34 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration





TIC: cs8568.D\data.ms

(20) Pentachlorophenol (t)

11.302min (+0.008) 19.88ppb m

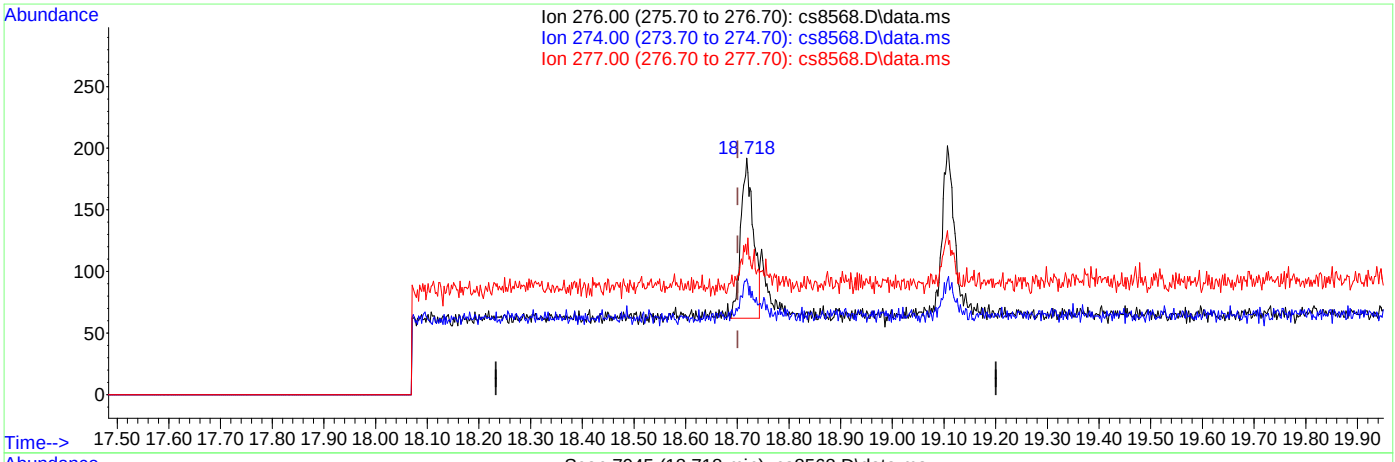
response 397

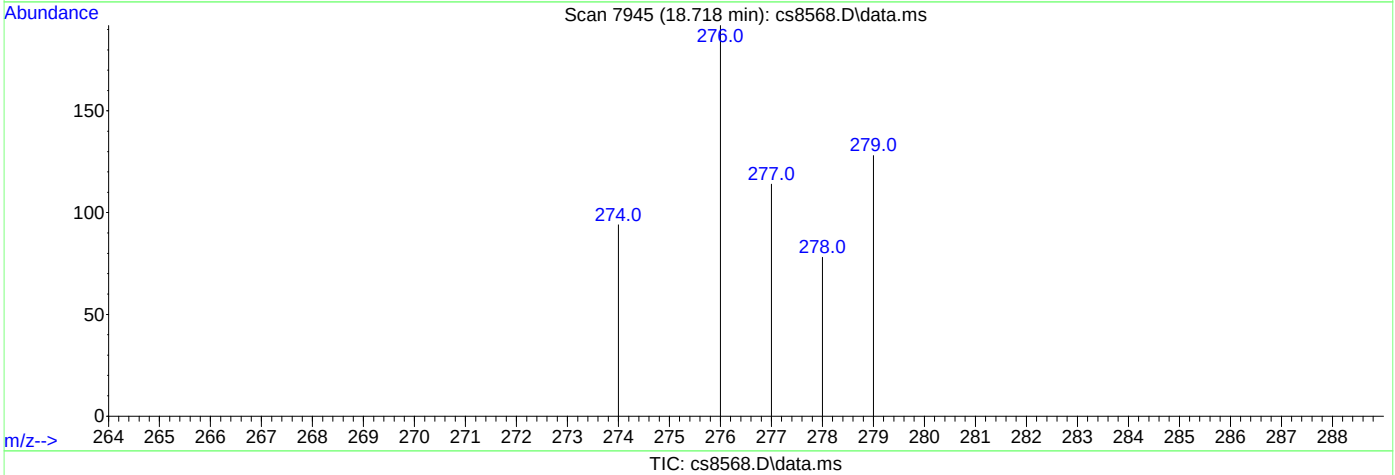
Ion	Exp%	Act%
266.00	100	100
268.00	63.10	29.72#
264.00	63.00	16.12#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8568.D
Acq On : 17 Sep 2025 11:28 am
Operator : rocquans
Sample : ic446-0.002
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 17 16:21:34 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration





TIC: cs8568.D\data.ms

(32) Indeno[1,2,3-cd]pyrene (t)

18.718min (+0.018) 2.00ppb m

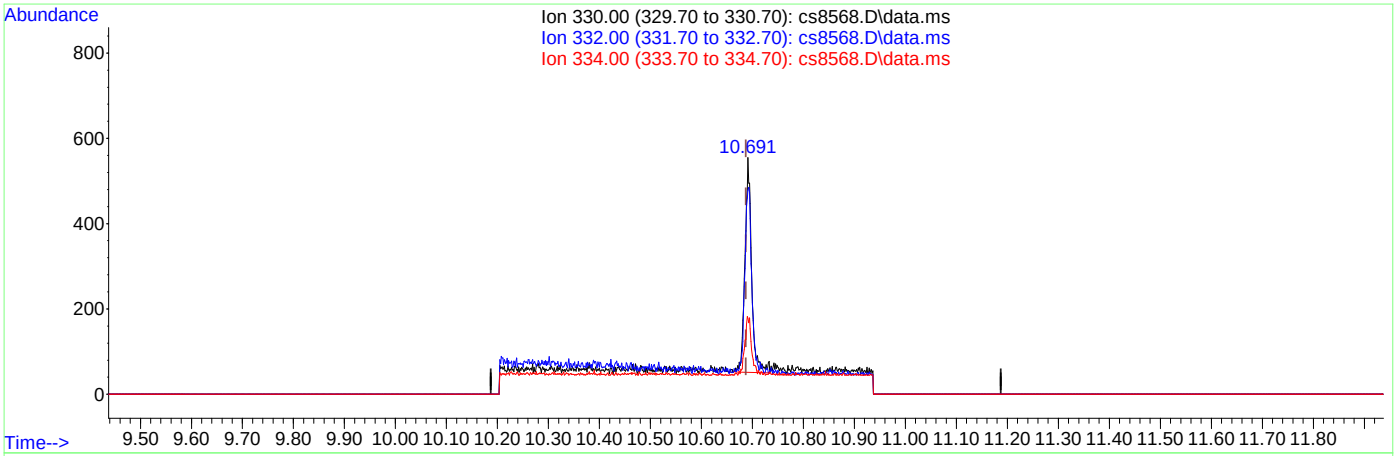
response 218

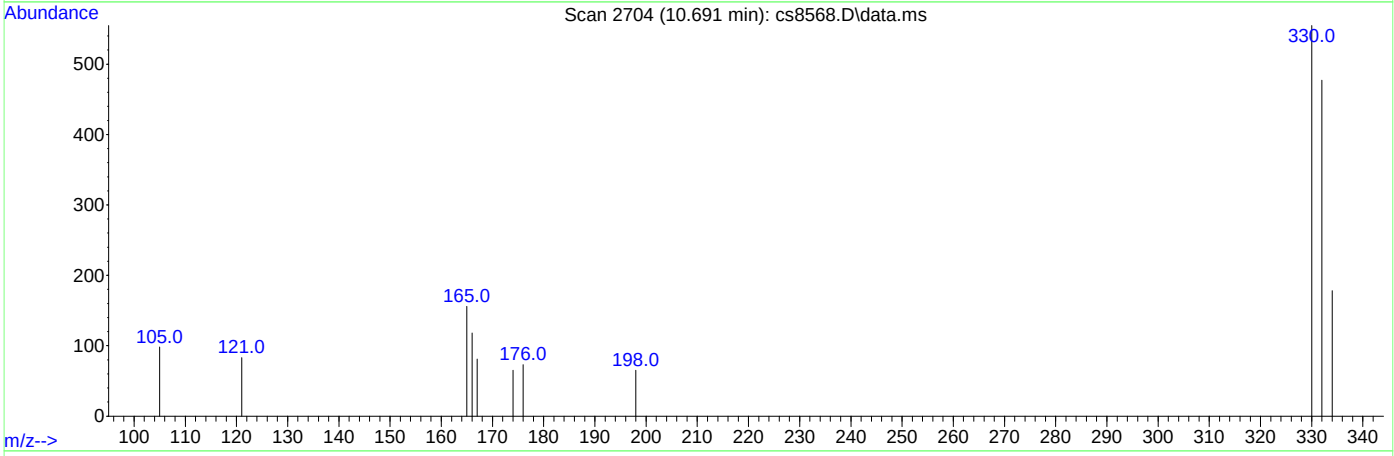
Ion	Exp%	Act%
276.00	100	100
274.00	20.40	48.96
277.00	22.40	59.38#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8568.D
Acq On : 17 Sep 2025 11:28 am
Operator : rocquans
Sample : ic446-0.002
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 17 16:21:34 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration





TIC: cs8568.D\data.ms

(17) 2,4,6-Tribromophenol (S)

10.691min (+0.004) 31.96ppb m

response 459

Ion	Exp%	Act%
330.00	100	100
332.00	95.70	85.95
334.00	30.50	32.07
0.00	0.00	0.00

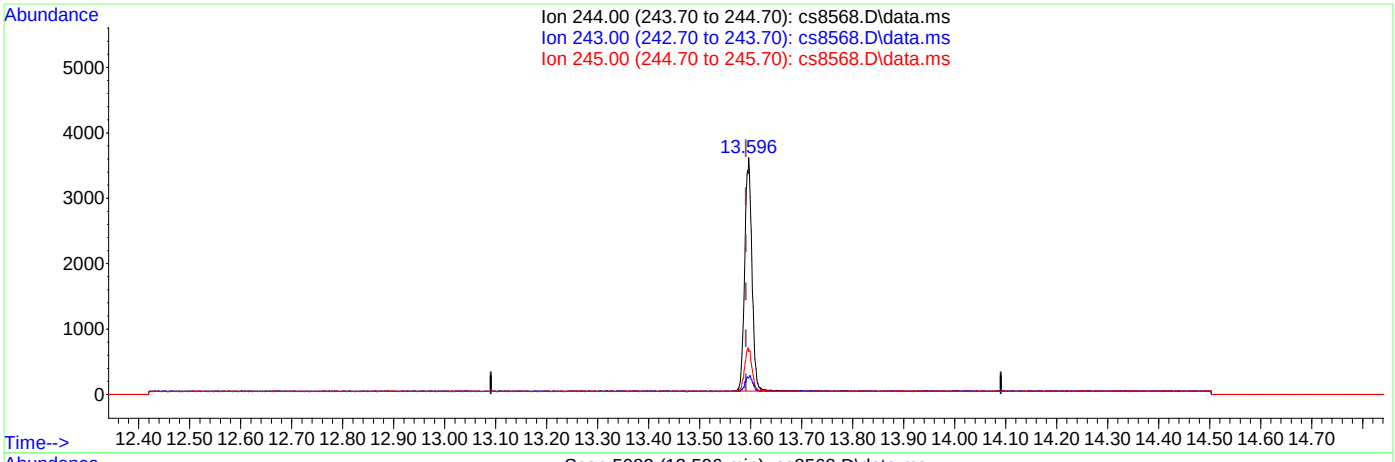
9.5.15.23

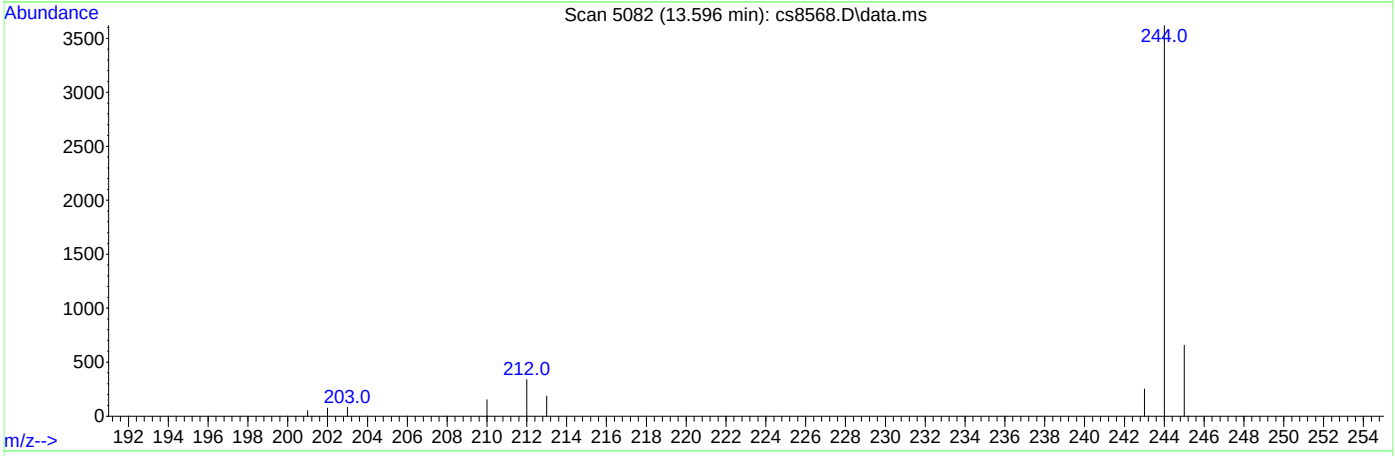
9

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8568.D
Acq On : 17 Sep 2025 11:28 am
Operator : rocquans
Sample : ic446-0.002
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 17 16:21:34 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration





TIC: cs8568.D\data.ms

(25) Terphenyl-d14 (S)

13.596min (+0.006) 39.75ppb m

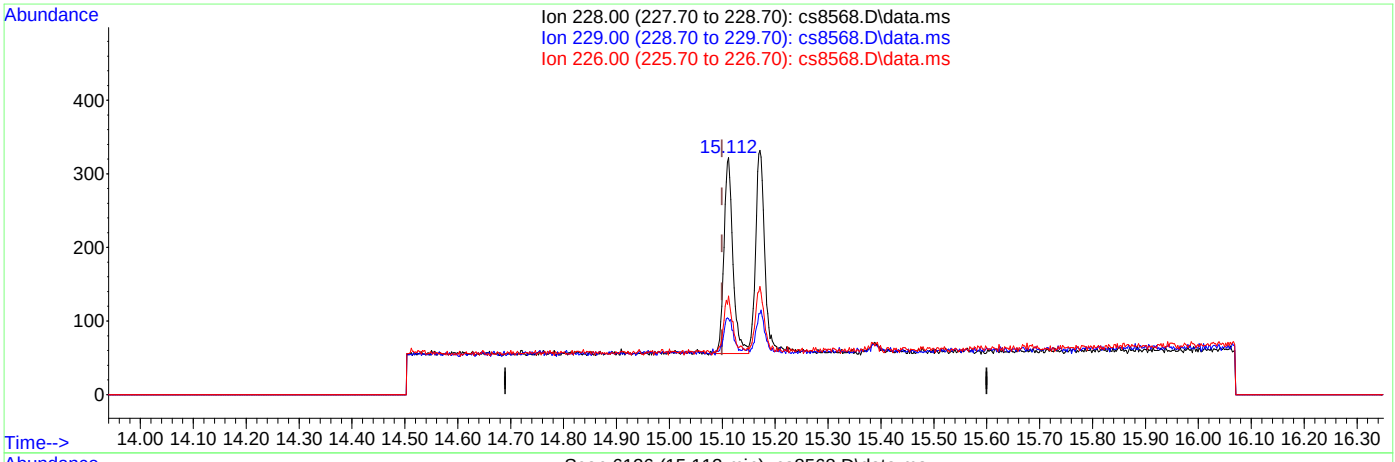
response 3459

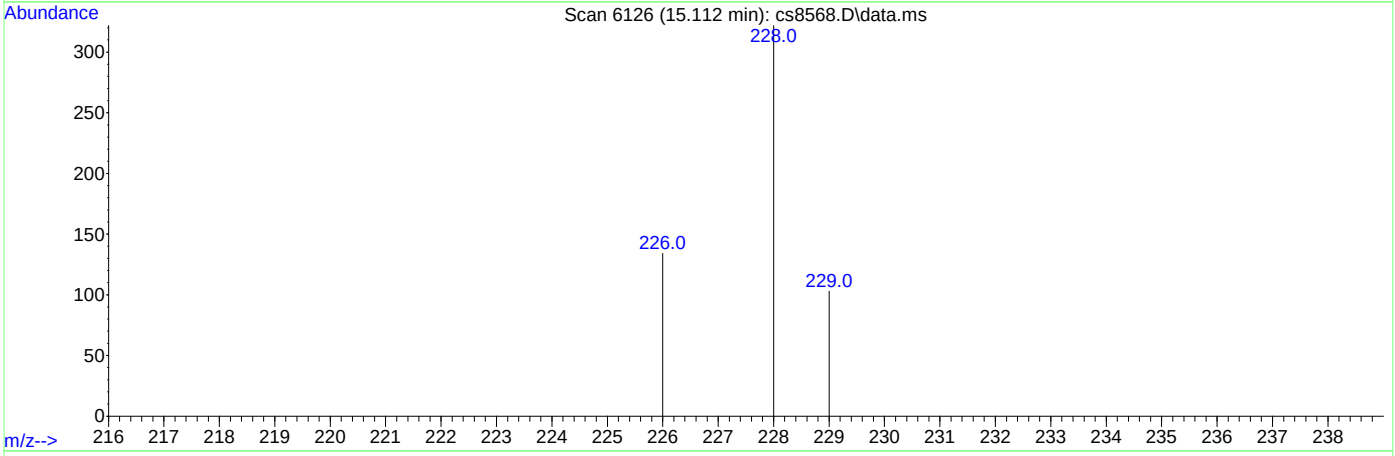
Ion	Exp%	Act%
244.00	100	100
243.00	6.50	6.93
245.00	18.80	18.09
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8568.D
Acq On : 17 Sep 2025 11:28 am
Operator : rocquans
Sample : ic446-0.002
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 17 16:21:34 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration





TIC: cs8568.D\data.ms

(26) Benzo[a]anthracene (t)

15.112min (+0.012) 1.93ppb m

response 313

Ion	Exp%	Act%
228.00	100	100
229.00	19.10	31.99
226.00	27.00	41.61
0.00	0.00	0.00

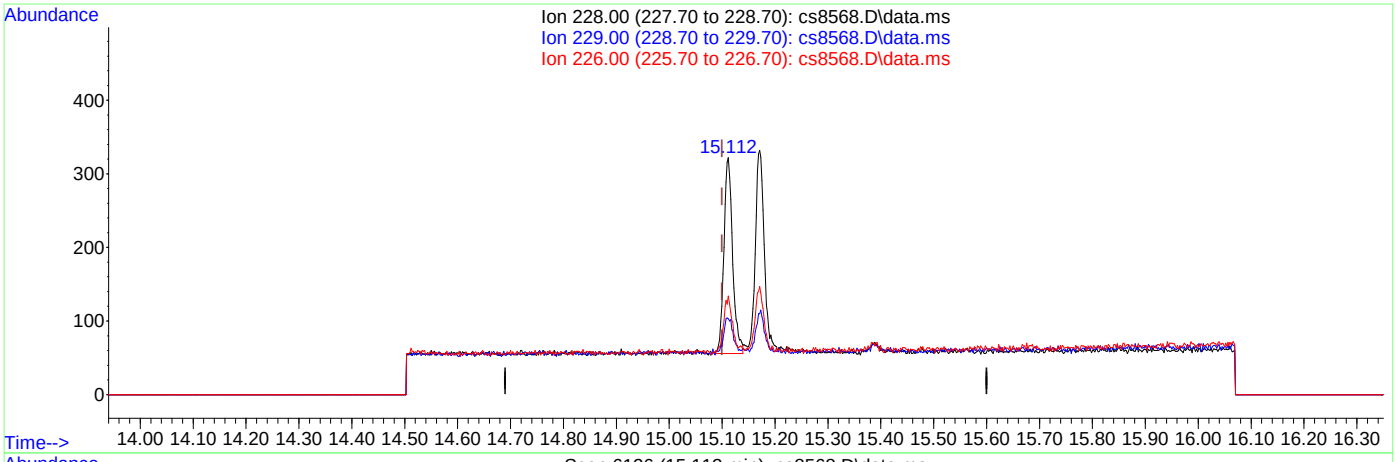
9.5.15.25

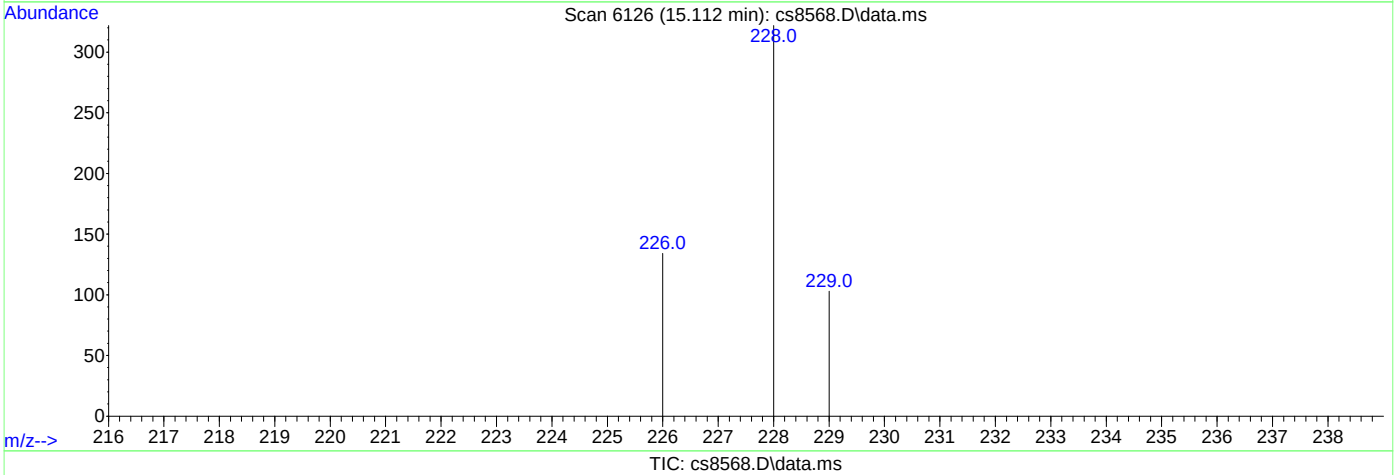
9

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS445\
Data File : cs8568.D
Acq On : 17 Sep 2025 11:28 am
Operator : rocquans
Sample : ic446-0.002
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Sep 18 10:47:24 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 17:26:33 2025
Response via : Initial Calibration





TIC: cs8568.D\data.ms

(26) Benzo[a]anthracene (t)

15.112min (+0.012) 1.96ppb

response 307

Ion	Exp%	Act%
228.00	100	100
229.00	19.10	17.08
226.00	27.00	28.60
0.00	0.00	0.00

9.5.15.26

9

Manual Integrations APPROVED (compounds with "m" flag)
Ying Li
09/18/25 10:52

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8569.D
Acq On : 17 Sep 2025 11:55 am
Operator : rocquans
Sample : ic446-0.004
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Sep 17 16:21:36 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	9.077	150	60380	800.00	ppb	0.00
11) Fluorene-d10	10.396	176	78001	800.00	ppb	0.00
18) Fluoranthene-d10	12.986	212	116887	800.00	ppb	0.00
28) Benzo(a)pyrene-d12	17.077	264	62721	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	6.270	112	4630	73.36	ppb	0.00
Spiked Amount 10000.000			Recovery = 0.73%			
4) Phenol-d5	7.195	99	5467	74.90	ppb	0.00
Spiked Amount 10000.000			Recovery = 0.75%			
6) Nitrobenzene-d5	7.887	82	4612	77.81	ppb	0.00
Spiked Amount 10000.000			Recovery = 0.78%			
12) 2-Fluorobiphenyl	9.331	172	11529	88.46	ppb	0.00
Spiked Amount 10000.000			Recovery = 0.88%			
17) 2,4,6-Tribromophenol	10.687	330	811	54.93	ppb	0.00
Spiked Amount 10000.000			Recovery = 0.55%			
25) Terphenyl-d14	13.588	244	7055	79.53	ppb	0.00
Spiked Amount 10000.000			Recovery = 0.80%			
Target Compounds						Qvalue
5) Phenol	7.205	94	1646	19.92	ppb	99
7) Naphthalene	8.469	128	914	4.24	ppb	99
8) Hexachlorobutadiene	8.624	225	133m	4.21	ppb	
9) 2-Methylnaphthalene	9.019	141	507m	4.24	ppb	
10) 1-Methylnaphthalene	9.106	141	490m	4.26	ppb	
13) Acenaphthylene	9.778	152	755	3.81	ppb	97
14) Acenaphthene	9.944	153	551	4.07	ppb	98
15) Fluorene	10.424	166	604	3.95	ppb	96
19) Hexachlorobenzene	11.097	284	177m	4.45	ppb	
20) Pentachlorophenol	11.297	266	230m	11.30	ppb	
21) Phenanthrene	11.463	178	841	3.94	ppb	94
22) Anthracene	11.517	178	688	3.40	ppb	97
23) Fluoranthene	13.010	202	883	3.95	ppb	96
24) Pyrene	13.321	202	908m	4.00	ppb	
26) Benzo[a]anthracene	15.104	228	629	3.80	ppb	99
27) Chrysene	15.165	228	622	3.73	ppb	97
29) Benzo[b]fluoranthene	16.677	252	561	4.01	ppb	86
30) Benzo[k]fluoranthene	16.713	252	521	3.84	ppb	90
31) Benzo[a]pyrene	17.107	252	465	3.61	ppb	82
32) Indeno[1,2,3-cd]pyrene	18.706	276	379m	3.60	ppb	
33) Dibenz[a,h]anthracene	18.737	278	367m	3.69	ppb	
34) Benzo[g,h,i]perylene	19.097	276	410m	4.01	ppb	

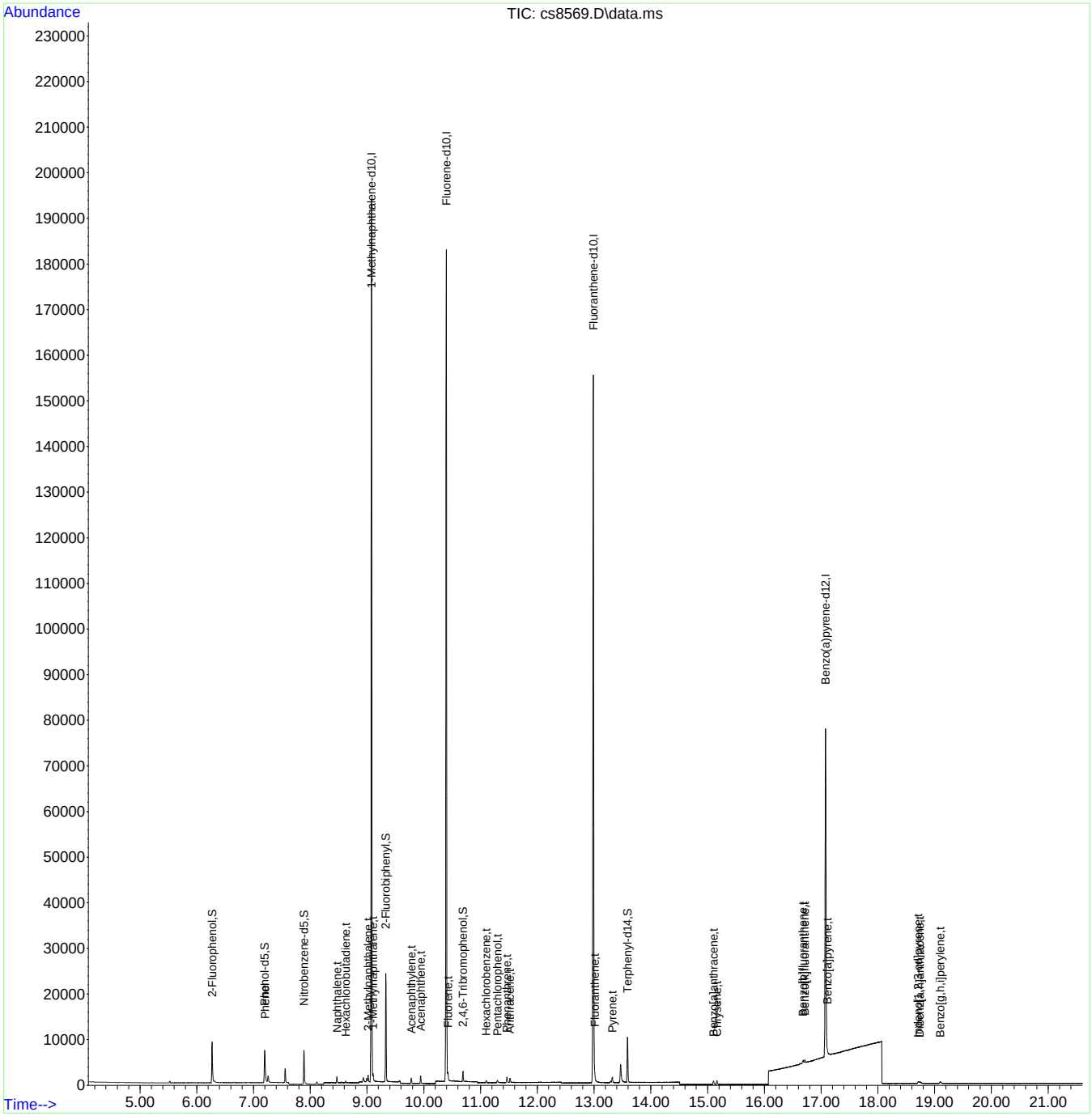
(#) = qualifier out of range (m) = manual integration (+) = signals summed

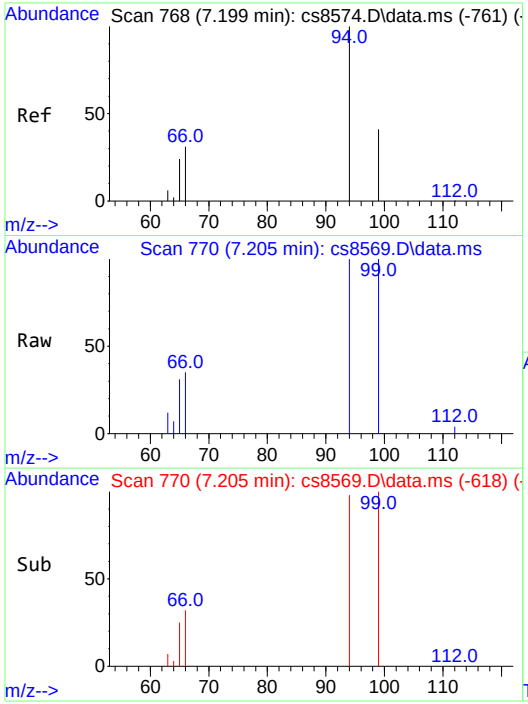
9.5.16
9

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8569.D
Acq On : 17 Sep 2025 11:55 am
Operator : rocquans
Sample : ic446-0.004
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Sep 17 16:21:36 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration

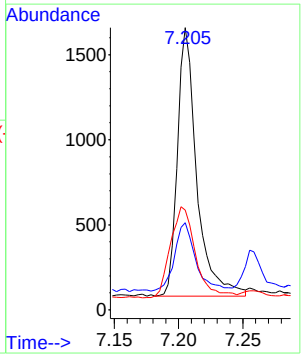


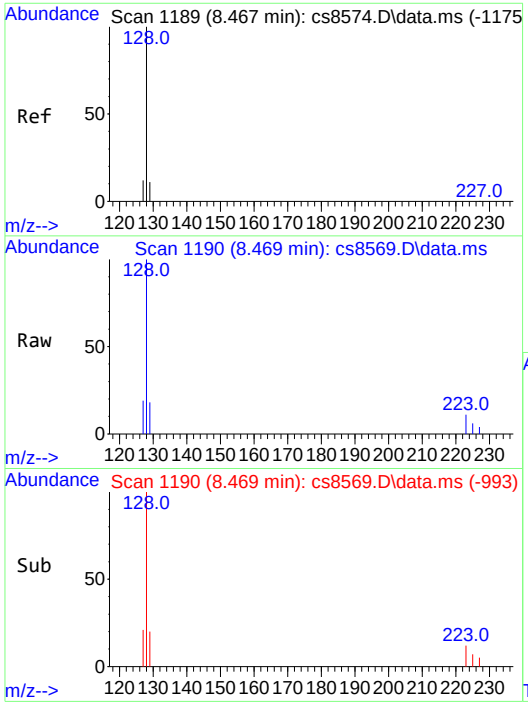


#5
Phenol
Concen: 19.92 ppb
RT: 7.205 min Scan# 770
Delta R.T. 0.007 min
Lab File: cs8569.D
Acq: 17 Sep 2025 11:55 am

Tgt Ion: 94 Resp: 1646

Ion	Ratio	Lower	Upper
94	100		
65	20.9	17.0	25.4
66	31.4	24.6	37.0

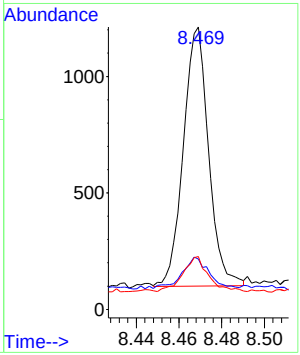


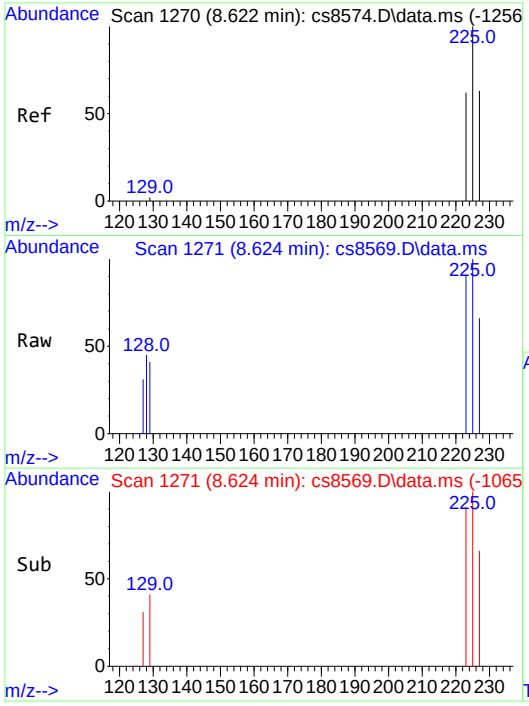


#7
Naphthalene
Concen: 4.24 ppb
RT: 8.469 min Scan# 1190
Delta R.T. 0.002 min
Lab File: cs8569.D
Acq: 17 Sep 2025 11:55 am

Tgt Ion:128 Resp: 914

Ion	Ratio	Lower	Upper
128	100		
129	10.9	0.0	40.8
127	13.4	0.0	42.4

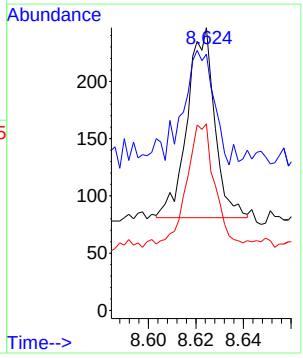


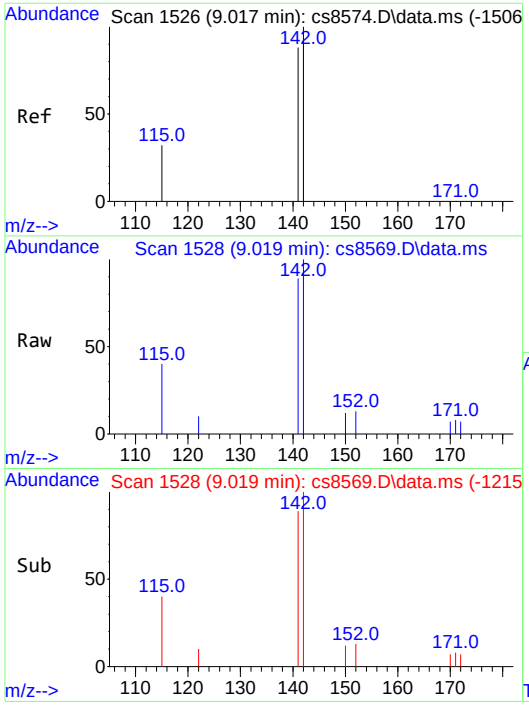


#8
Hexachlorobutadiene
Concen: 4.21 ppb m
RT: 8.624 min Scan# 1271
Delta R.T. 0.002 min
Lab File: cs8569.D
Acq: 17 Sep 2025 11:55 am

Tgt Ion:225 Resp: 133

Ion	Ratio	Lower	Upper
225	100		
223	90.7	31.8	91.8
227	66.0	32.6	92.6

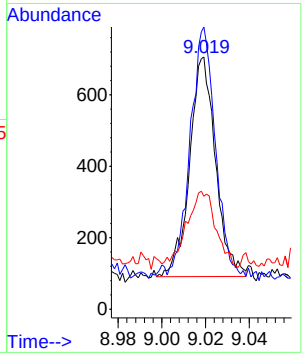


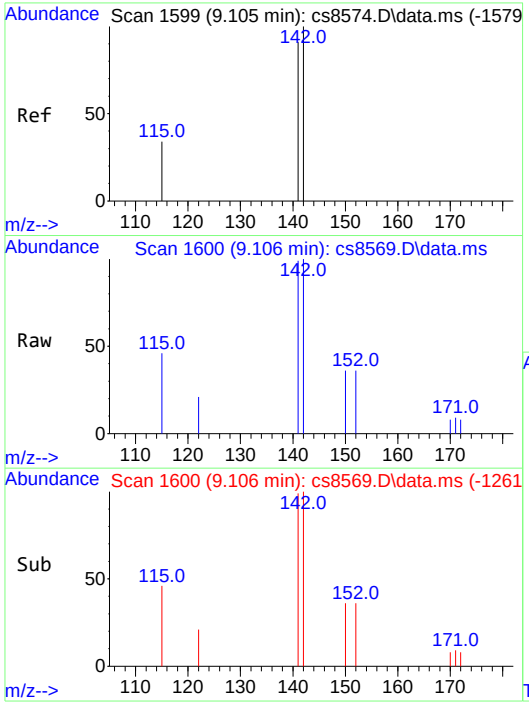


#9
2-Methylnaphthalene
Concen: 4.24 ppb m
RT: 9.019 min Scan# 1528
Delta R.T. 0.002 min
Lab File: cs8569.D
Acq: 17 Sep 2025 11:55 am

Tgt Ion:141 Resp: 507

Ion	Ratio	Lower	Upper
141	100		
142	111.9	83.1	143.1
115	44.8	5.8	65.8

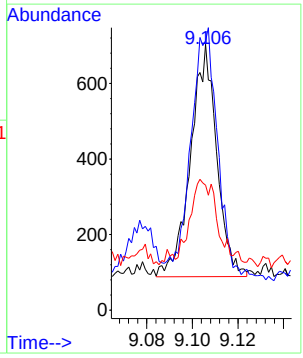


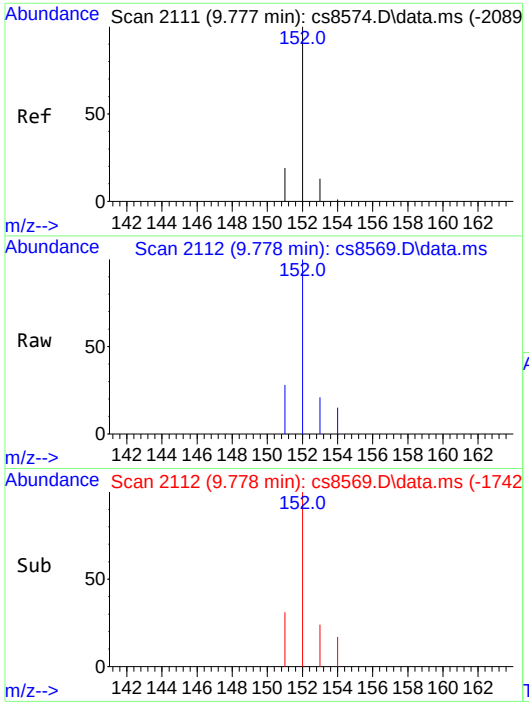


#10
1-Methylnaphthalene
Concen: 4.26 ppb m
RT: 9.106 min Scan# 1600
Delta R.T. 0.001 min
Lab File: cs8569.D
Acq: 17 Sep 2025 11:55 am

Tgt Ion:141 Resp: 490

Ion	Ratio	Lower	Upper
141	100		
142	101.3	80.8	140.8
115	47.0	7.2	67.2

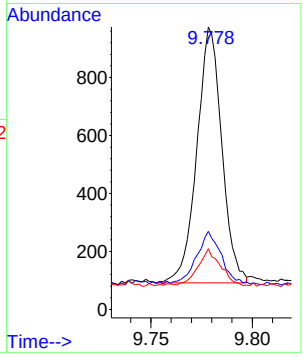


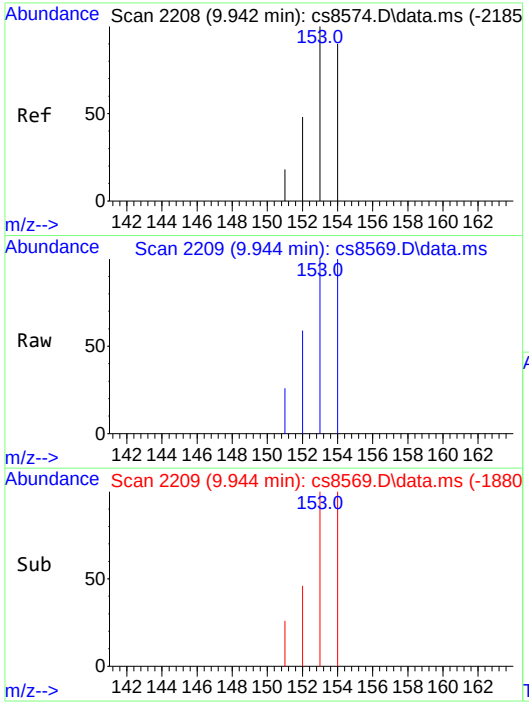


#13
Acenaphthylene
Concen: 3.81 ppb
RT: 9.778 min Scan# 2112
Delta R.T. 0.002 min
Lab File: cs8569.D
Acq: 17 Sep 2025 11:55 am

Tgt Ion:152 Resp: 755

Ion	Ratio	Lower	Upper
152	100		
151	20.3	0.0	49.3
153	14.4	0.0	42.7

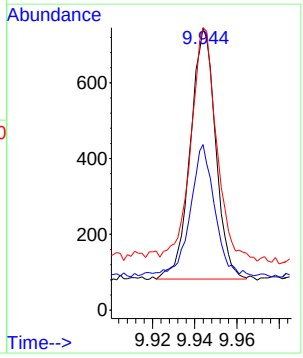


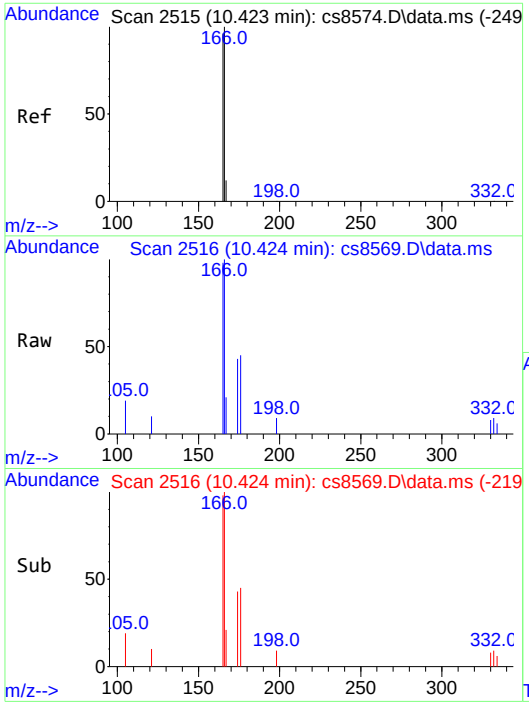


#14
Acenaphthene
Concen: 4.07 ppb
RT: 9.944 min Scan# 2209
Delta R.T. 0.002 min
Lab File: cs8569.D
Acq: 17 Sep 2025 11:55 am

Tgt Ion:153 Resp: 551

Ion	Ratio	Lower	Upper
153	100		
152	51.3	17.7	77.7
154	89.7	59.5	119.5

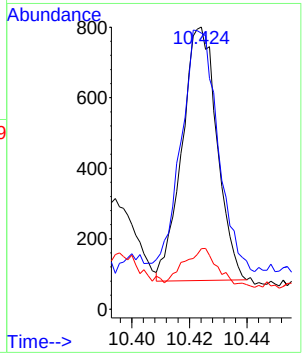


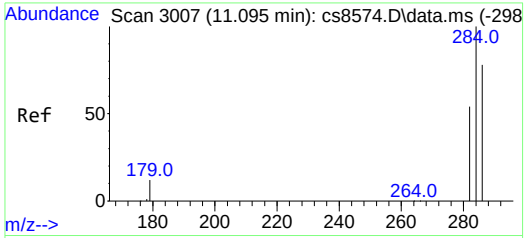


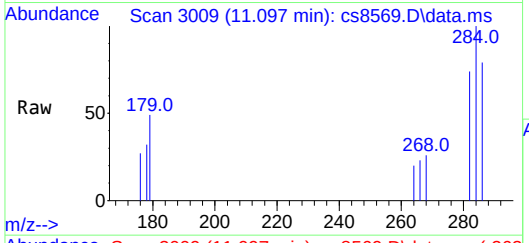
#15
Fluorene
Concen: 3.95 ppb
RT: 10.424 min Scan# 2516
Delta R.T. 0.001 min
Lab File: cs8569.D
Acq: 17 Sep 2025 11:55 am

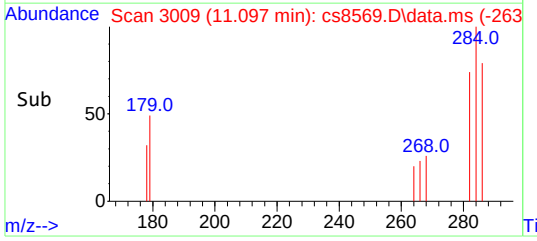
Tgt Ion:166 Resp: 604

Ion	Ratio	Lower	Upper
166	100		
165	91.0	65.7	125.7
167	12.7	0.0	42.4





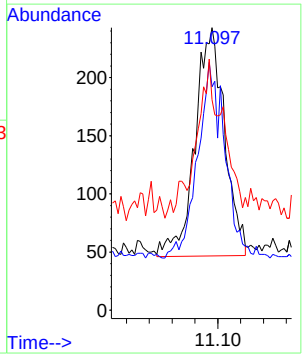


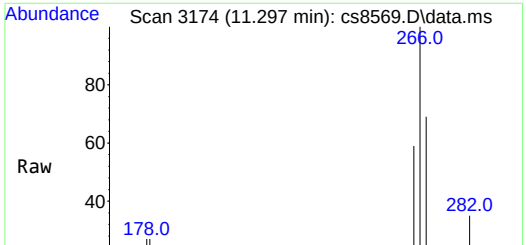


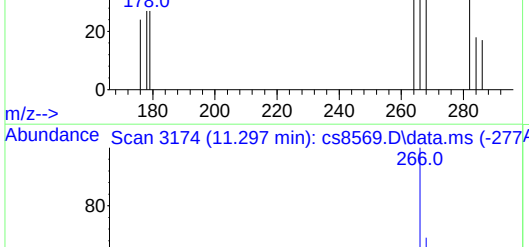
#19
Hexachlorobenzene
Concen: 4.45 ppb m
RT: 11.097 min Scan# 3009
Delta R.T. 0.002 min
Lab File: cs8569.D
Acq: 17 Sep 2025 11:55 am

Tgt Ion:284 Resp: 177

Ion	Ratio	Lower	Upper
284	100		
286	79.0	48.0	108.0
282	74.5	23.8	83.8



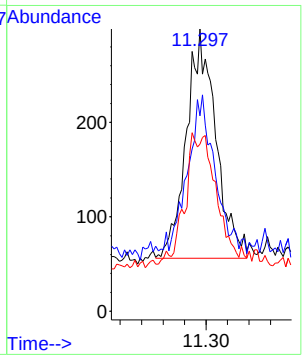


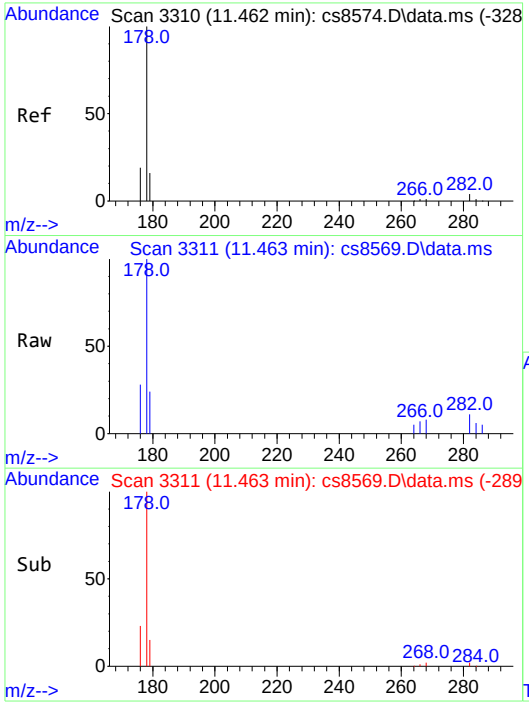


#20
Pentachlorophenol
Concen: 11.30 ppb m
RT: 11.297 min Scan# 3174
Delta R.T. 0.004 min
Lab File: cs8569.D
Acq: 17 Sep 2025 11:55 am

Tgt Ion:266 Resp: 230

Ion	Ratio	Lower	Upper
266	100		
268	0.0	43.1	83.1#
264	16.5	43.0	83.0#

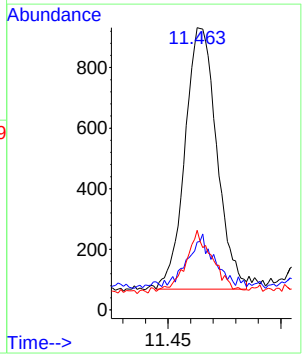


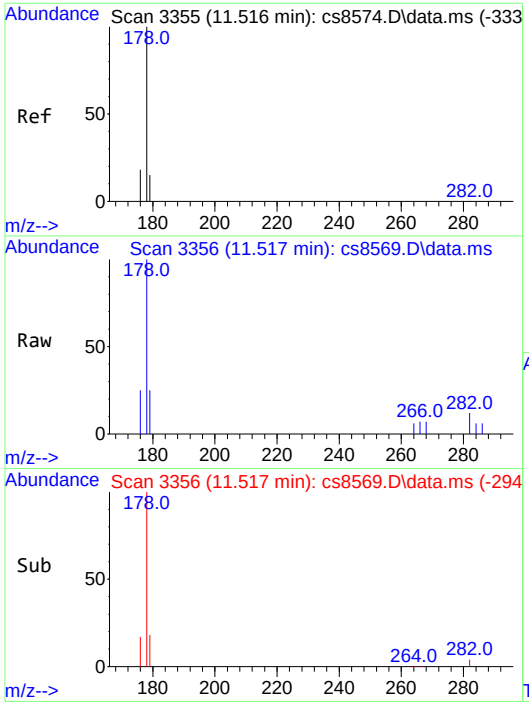


#21
Phenanthrene
Concen: 3.94 ppb
RT: 11.463 min Scan# 3311
Delta R.T. 0.001 min
Lab File: cs8569.D
Acq: 17 Sep 2025 11:55 am

Tgt Ion:178 Resp: 841

Ion	Ratio	Lower	Upper
178	100		
179	16.4	0.0	45.7
176	23.4	0.0	49.2

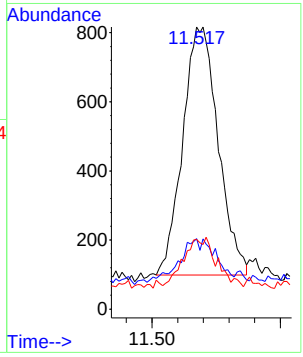


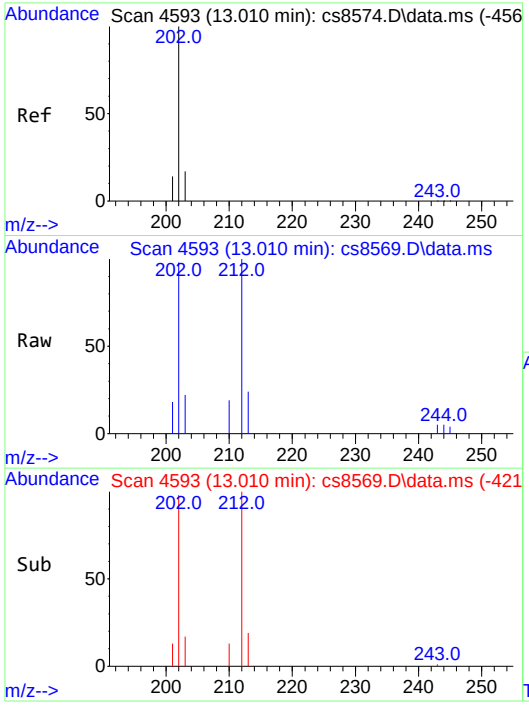


#22
Anthracene
Concen: 3.40 ppb
RT: 11.517 min Scan# 3356
Delta R.T. 0.001 min
Lab File: cs8569.D
Acq: 17 Sep 2025 11:55 am

Tgt Ion:178 Resp: 688

Ion	Ratio	Lower	Upper
178	100		
179	16.6	0.0	45.2
176	17.0	0.0	48.4

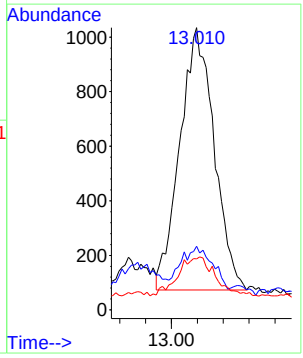


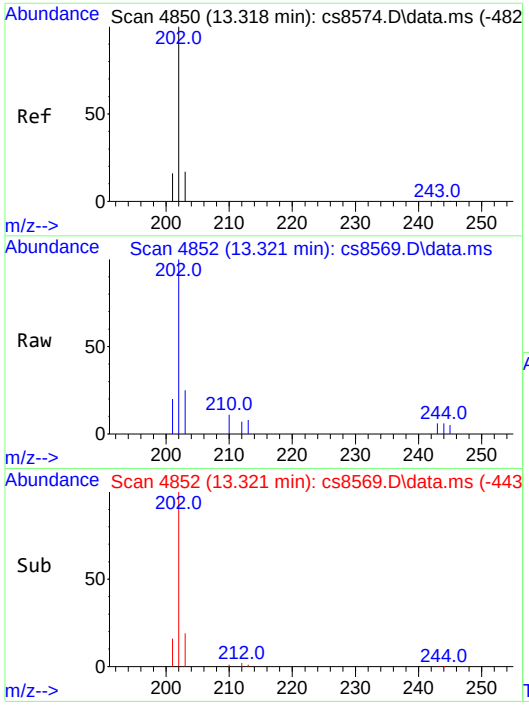


#23
Fluoranthene
Concen: 3.95 ppb
RT: 13.010 min Scan# 4593
Delta R.T. 0.000 min
Lab File: cs8569.D
Acq: 17 Sep 2025 11:55 am

Tgt Ion:202 Resp: 883

Ion	Ratio	Lower	Upper
202	100		
203	14.1	0.0	47.2
201	13.9	0.0	44.0

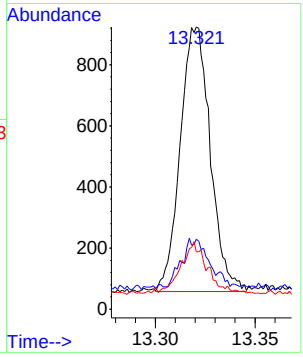


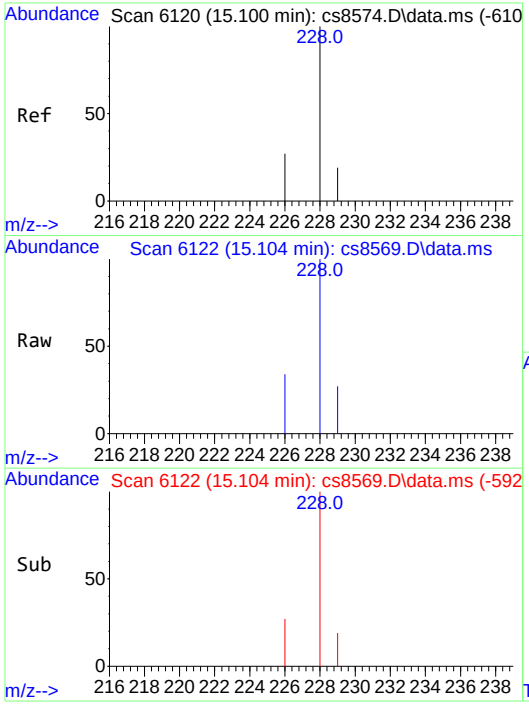


#24
Pyrene
Concen: 4.00 ppb m
RT: 13.321 min Scan# 4852
Delta R.T. 0.002 min
Lab File: cs8569.D
Acq: 17 Sep 2025 11:55 am

Tgt Ion:202 Resp: 908

Ion	Ratio	Lower	Upper
202	100		
203	24.8	0.0	47.1
201	20.3	0.0	46.4

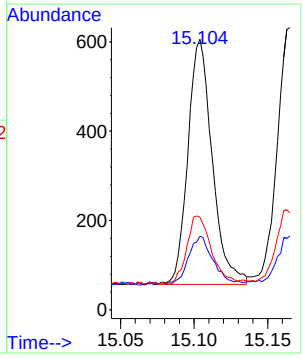


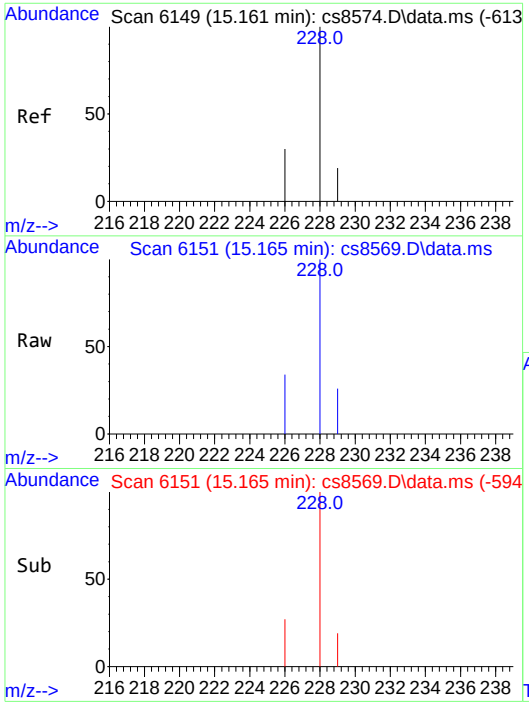


#26
Benzo[a]anthracene
Concen: 3.80 ppb
RT: 15.104 min Scan# 6122
Delta R.T. 0.004 min
Lab File: cs8569.D
Acq: 17 Sep 2025 11:55 am

Tgt Ion:228 Resp: 629

Ion	Ratio	Lower	Upper
228	100		
229	19.3	0.0	49.1
226	26.7	0.0	57.0

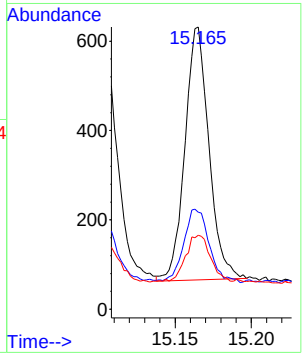


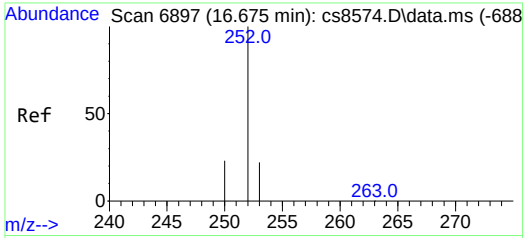


#27
Chrysene
Concen: 3.73 ppb
RT: 15.165 min Scan# 6151
Delta R.T. 0.004 min
Lab File: cs8569.D
Acq: 17 Sep 2025 11:55 am

Tgt Ion:228 Resp: 622

Ion	Ratio	Lower	Upper
228	100		
226	27.1	0.0	59.6
229	18.5	0.0	49.1

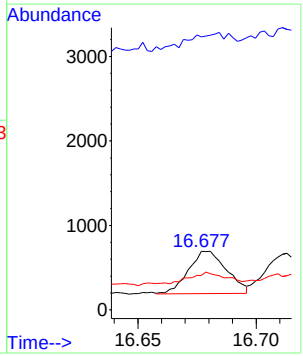


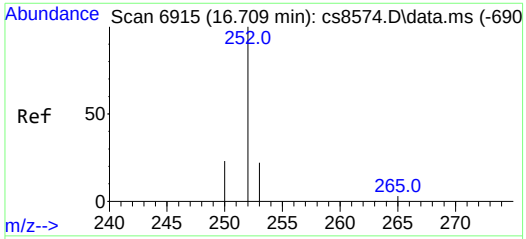


#29
Benzo[b]fluoranthene
Concen: 4.01 ppb
RT: 16.677 min Scan# 6898
Delta R.T. 0.002 min
Lab File: cs8569.D
Acq: 17 Sep 2025 11:55 am

Tgt Ion:252 Resp: 561

Ion	Ratio	Lower	Upper
252	100		
253	13.6	0.0	51.5
250	17.9	0.0	53.4

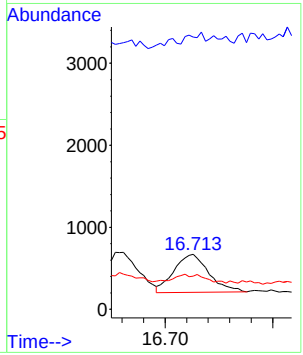


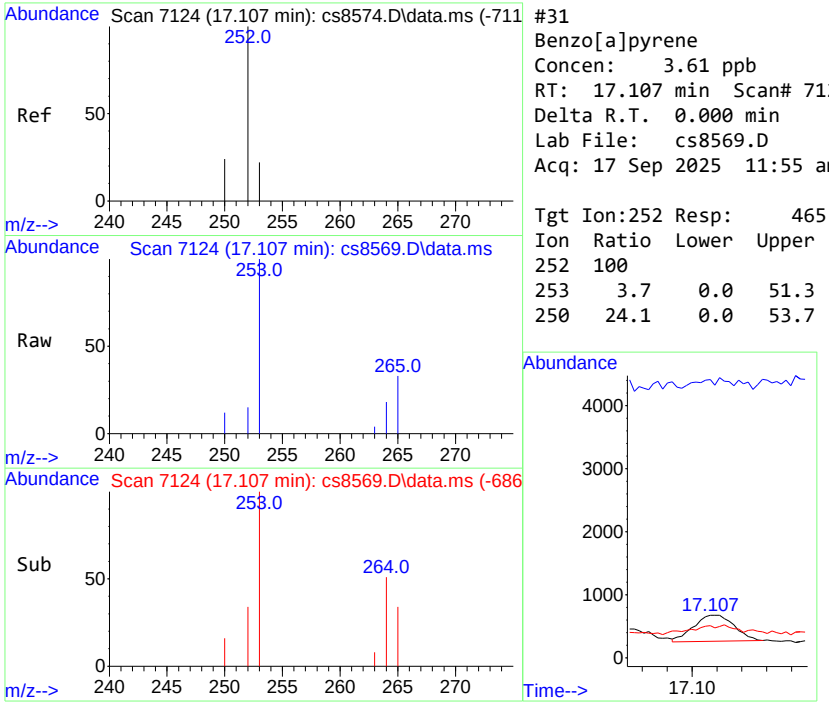


#30
Benzo[k]fluoranthene
Concen: 3.84 ppb
RT: 16.713 min Scan# 6917
Delta R.T. 0.004 min
Lab File: cs8569.D
Acq: 17 Sep 2025 11:55 am

Tgt Ion:252 Resp: 521

Ion	Ratio	Lower	Upper
252	100		
253	19.6	0.0	51.3
250	15.6	0.0	53.2

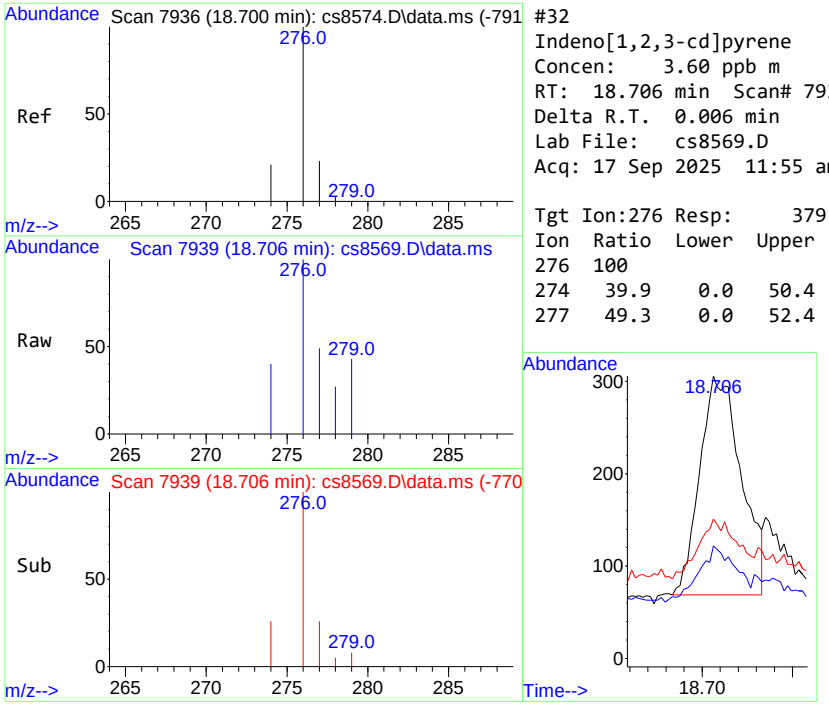




#31
Benzo[a]pyrene
Concen: 3.61 ppb
RT: 17.107 min Scan# 7124
Delta R.T. 0.000 min
Lab File: cs8569.D
Acq: 17 Sep 2025 11:55 am

Tgt Ion:252 Resp: 465

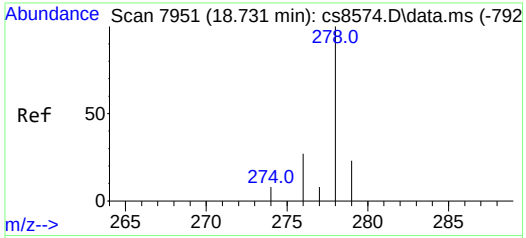
Ion	Ratio	Lower	Upper
252	100		
253	3.7	0.0	51.3
250	24.1	0.0	53.7



#32
Indeno[1,2,3-cd]pyrene
Concen: 3.60 ppb m
RT: 18.706 min Scan# 7939
Delta R.T. 0.006 min
Lab File: cs8569.D
Acq: 17 Sep 2025 11:55 am

Tgt Ion:276 Resp: 379

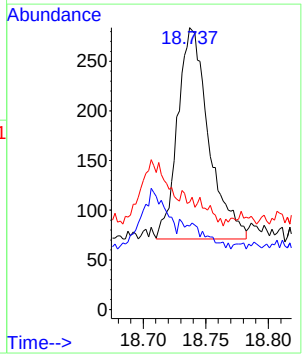
Ion	Ratio	Lower	Upper
276	100		
274	39.9	0.0	50.4
277	49.3	0.0	52.4

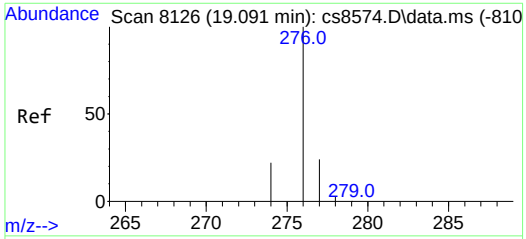


#33
Dibenz[a,h]anthracene
Concen: 3.69 ppb m
RT: 18.737 min Scan# 7954
Delta R.T. 0.006 min
Lab File: cs8569.D
Acq: 17 Sep 2025 11:55 am

Tgt Ion:278 Resp: 367

Ion	Ratio	Lower	Upper
278	100		
274	29.6	0.0	38.4
277	38.0	0.0	37.8#

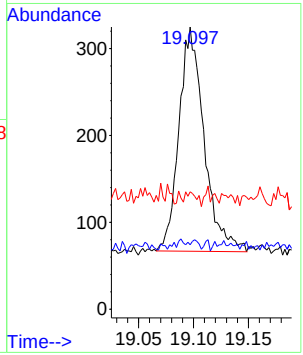




#34
Benzo[g,h,i]perylene
Concen: 4.01 ppb m
RT: 19.097 min Scan# 8129
Delta R.T. 0.006 min
Lab File: cs8569.D
Acq: 17 Sep 2025 11:55 am

Tgt Ion:276 Resp: 410

Ion	Ratio	Lower	Upper
276	100		
278	22.8	0.0	32.6
279	41.5	0.0	30.2#



Manual Integration Approval Summary

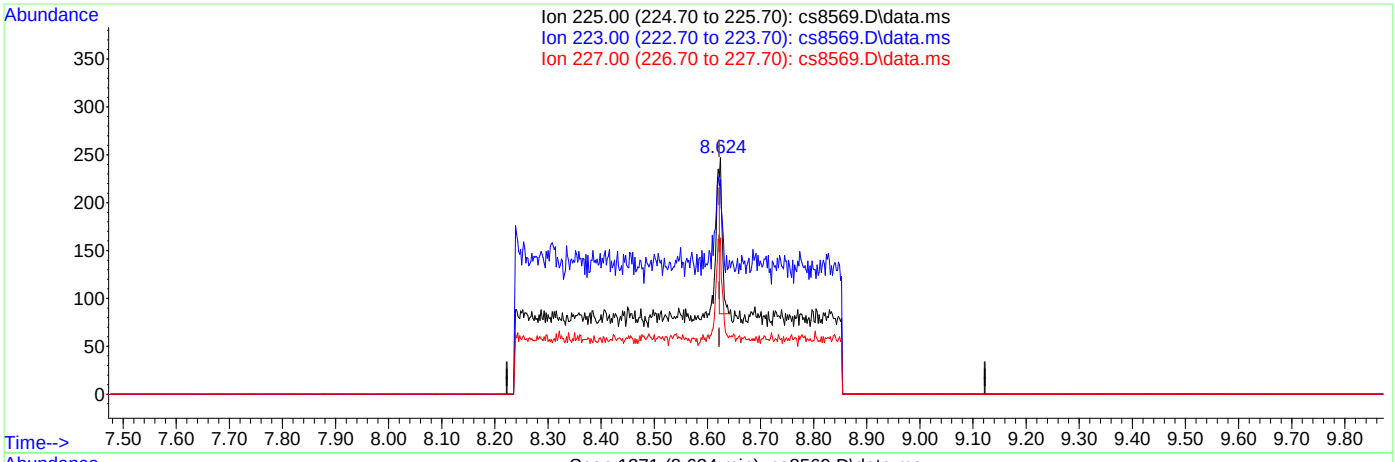
Sample Number: ECS446-IC446
Lab FileID: CS8569.D
Injection Time: 09/17/25 11:55
Method: SW846 8270E BY SIM
Analyst approved: 09/17/25 18:29 Rocquan Salters
Supervisor approved: 09/18/25 10:52 Ying Li

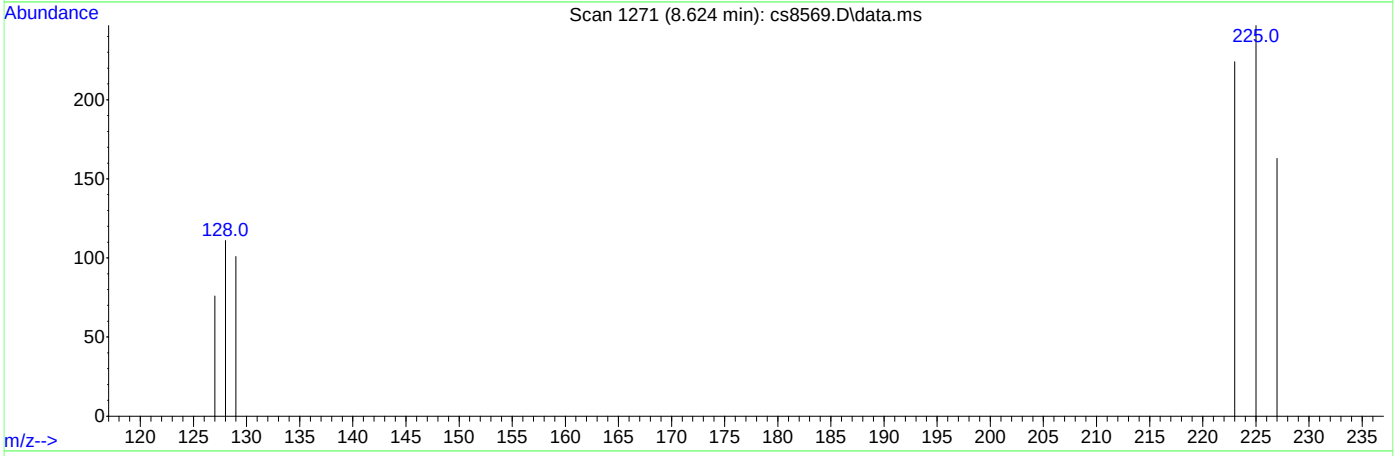
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexachlorobutadiene	87-68-3		8.62	Baseline ripple
2-Methylnaphthalene	91-57-6		9.02	Baseline ripple
1-Methylnaphthalene	90-12-0		9.11	Baseline ripple
Hexachlorobenzene	118-74-1		11.10	Baseline ripple
Pentachlorophenol	87-86-5		11.30	Baseline ripple
Pyrene	129-00-0		13.32	Baseline ripple
Indeno(1,2,3-cd)pyrene	193-39-5		18.71	Baseline ripple
Dibenzo(a,h)anthracene	53-70-3		18.74	Baseline ripple
Benzo(g,h,i)perylene	191-24-2		19.10	Baseline ripple

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8569.D
Acq On : 17 Sep 2025 11:55 am
Operator : rocquans
Sample : ic446-0.004
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Sep 17 15:45:40 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 15:40:02 2025
Response via : Initial Calibration





TIC: cs8569.D\data.ms

(8) Hexachlorobutadiene (t)

8.624min (+0.002) 1.58ppb

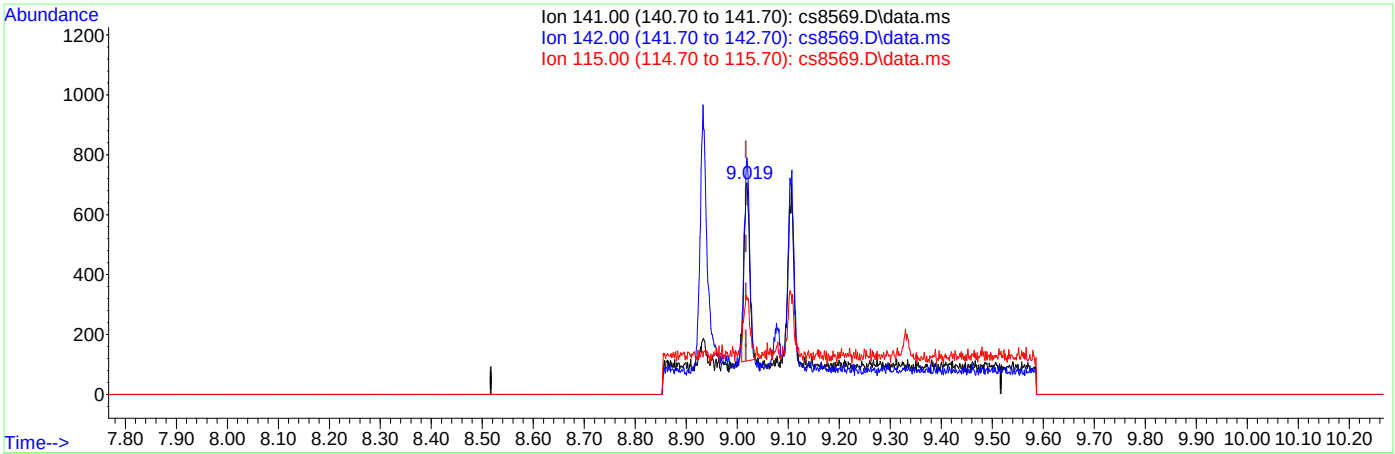
response 50

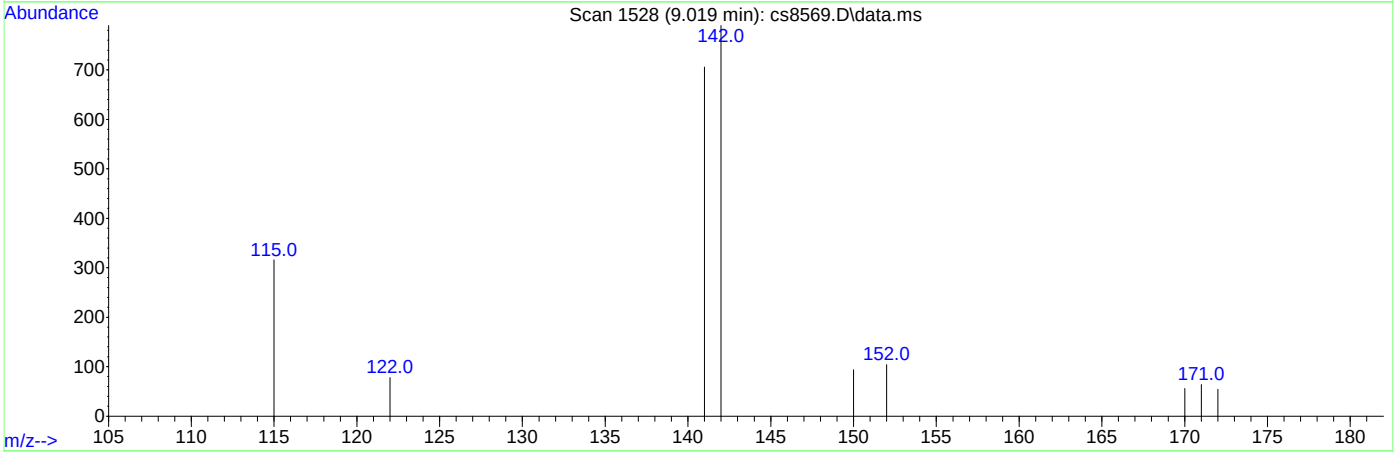
Ion	Exp%	Act%
225.00	100	100
223.00	61.80	49.18
227.00	62.60	58.47
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8569.D
Acq On : 17 Sep 2025 11:55 am
Operator : rocquans
Sample : ic446-0.004
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Sep 17 15:45:40 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 15:40:02 2025
Response via : Initial Calibration





TIC: cs8569.D\data.ms

(9) 2-Methylnaphthalene (t)

9.019min (+0.002) 3.68ppb

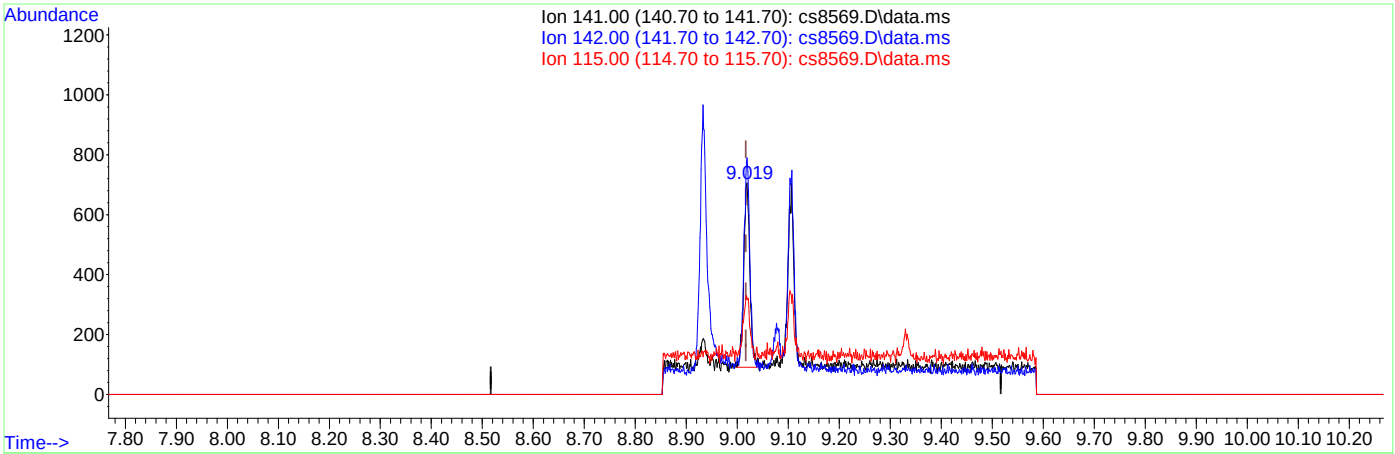
response 439

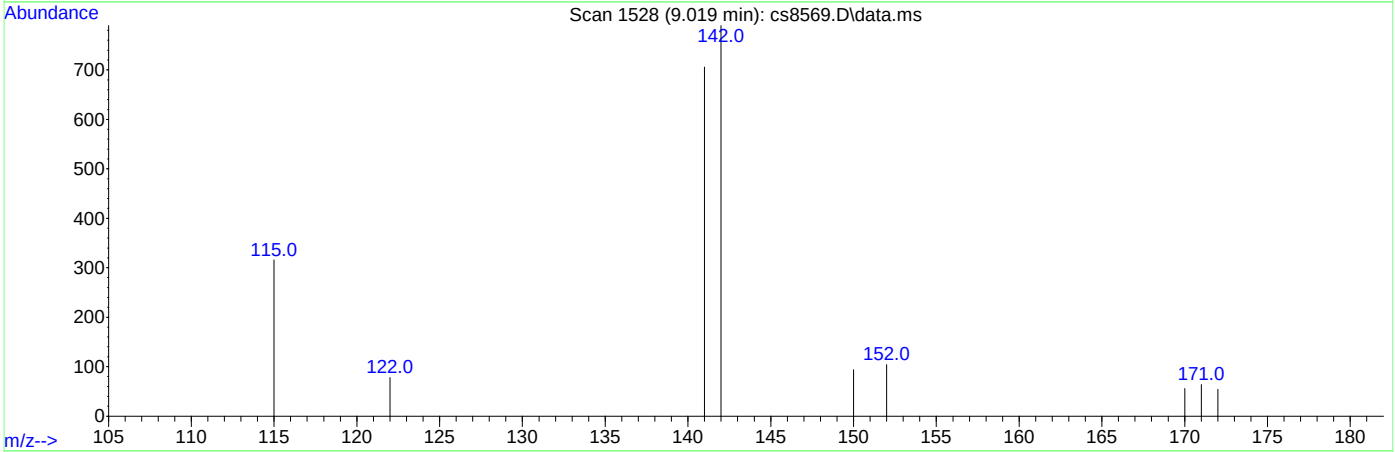
Ion	Exp%	Act%
141.00	100	100
142.00	113.10	111.16
115.00	35.80	29.55
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8569.D
Acq On : 17 Sep 2025 11:55 am
Operator : rocquans
Sample : ic446-0.004
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Sep 17 15:45:40 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 15:40:02 2025
Response via : Initial Calibration





TIC: cs8569.D\data.ms

(9) 2-Methylnaphthalene (t)

9.019min (+0.002) 4.24ppb m

response 507

Ion	Exp%	Act%
141.00	100	100
142.00	113.10	111.90
115.00	35.80	44.76
0.00	0.00	0.00

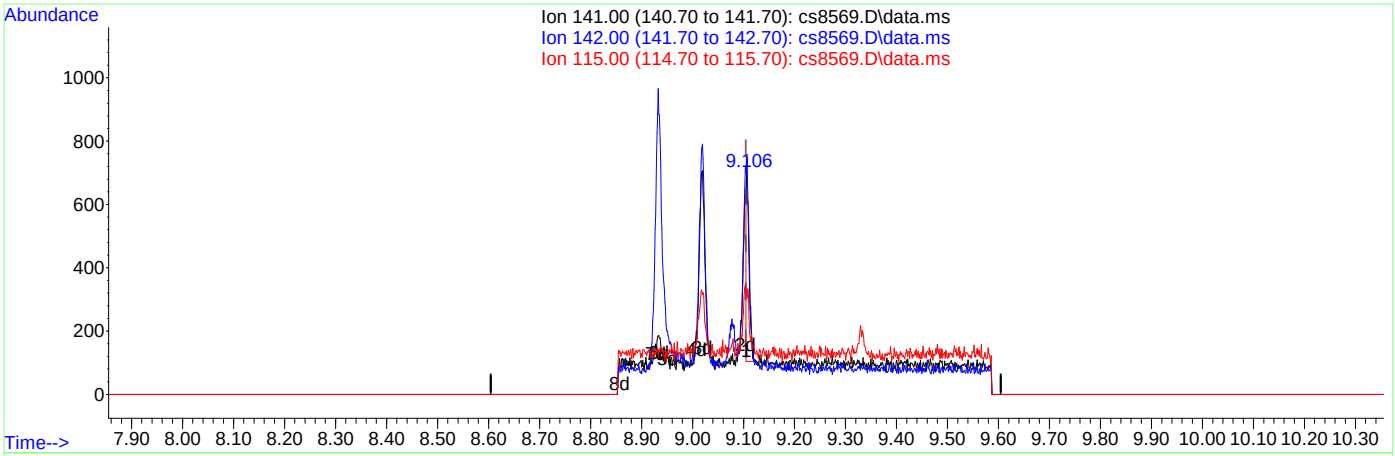
9.5.16.4

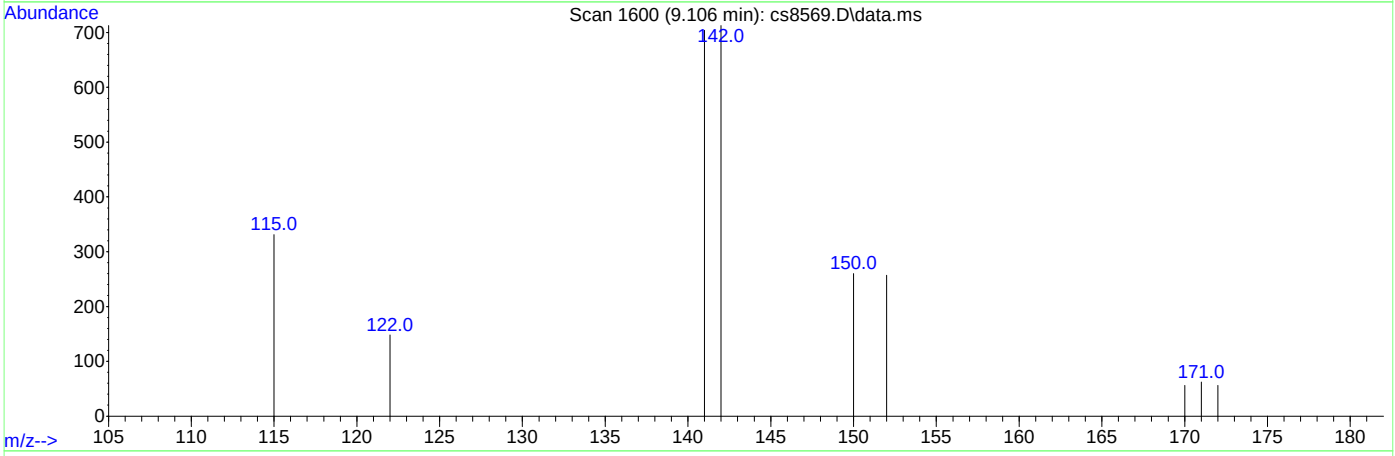
9

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8569.D
Acq On : 17 Sep 2025 11:55 am
Operator : rocquans
Sample : ic446-0.004
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Sep 17 15:45:40 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 15:40:02 2025
Response via : Initial Calibration





TIC: cs8569.D\data.ms

(10) 1-Methylnaphthalene (t)

9.106min (+0.001) 1.90ppb

response 219

Ion	Exp%	Act%
141.00	100	100
142.00	110.80	87.57
115.00	37.20	24.14
0.00	0.00	0.00

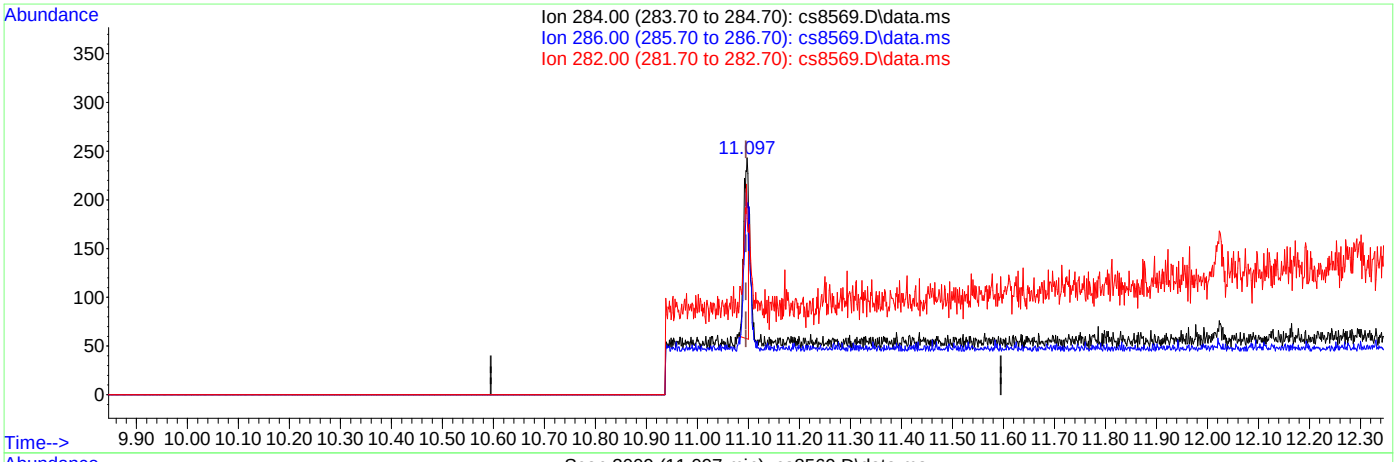
9.5.16.5

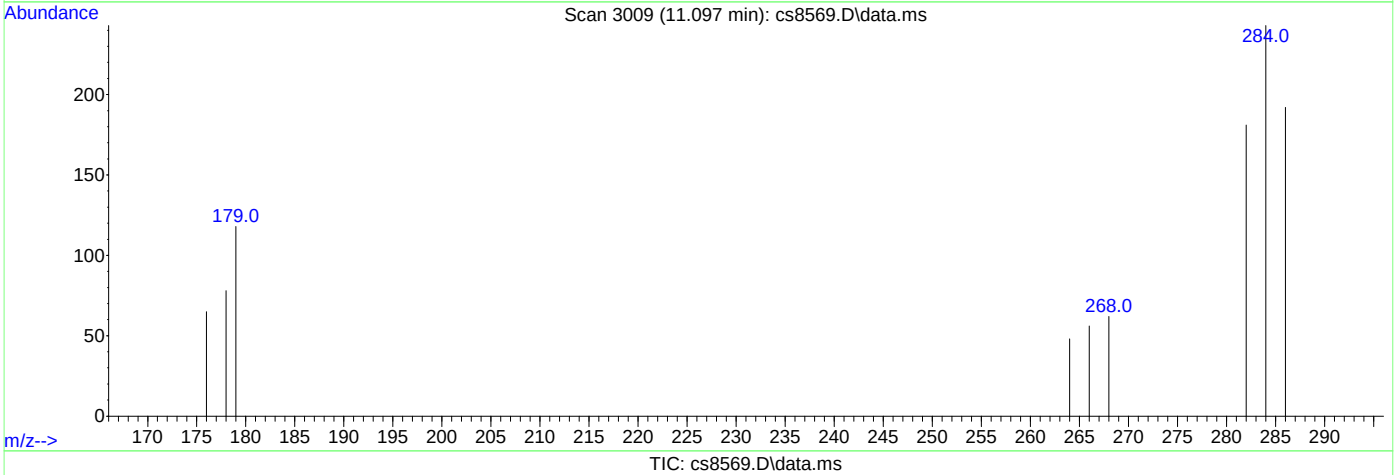
9

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8569.D
Acq On : 17 Sep 2025 11:55 am
Operator : rocquans
Sample : ic446-0.004
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Sep 17 15:45:40 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 15:40:02 2025
Response via : Initial Calibration





TIC: cs8569.D\data.ms

(19) Hexachlorobenzene (t)

11.097min (+0.002) 2.76ppb

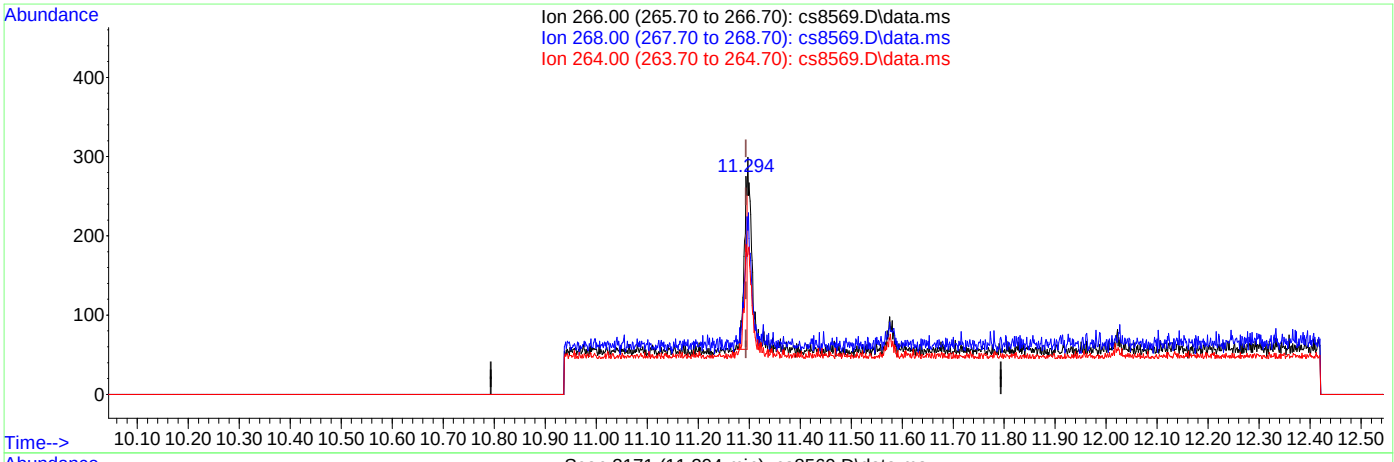
response 110

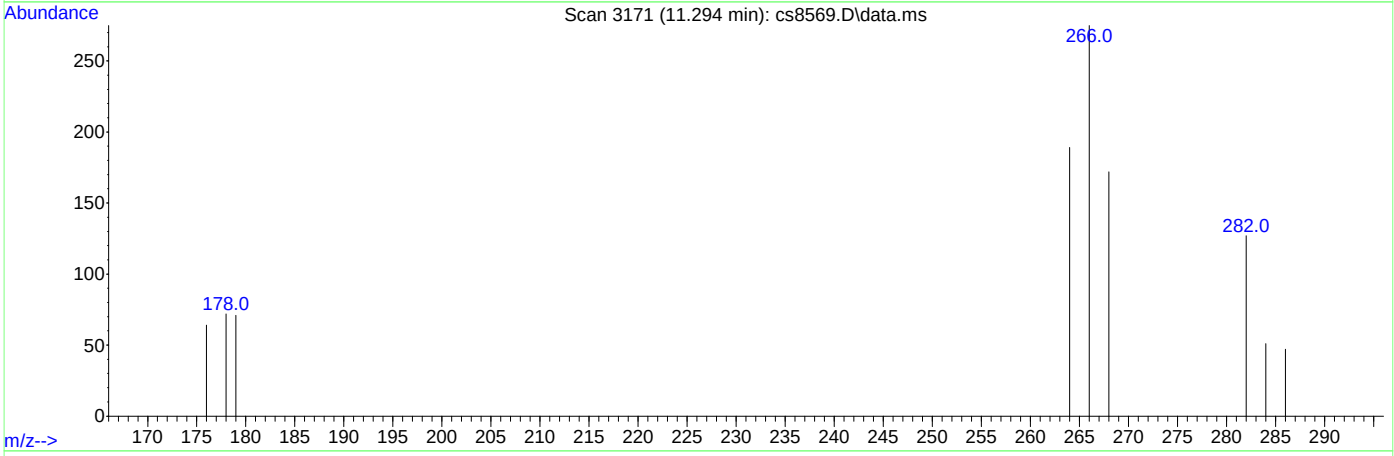
Ion	Exp%	Act%
284.00	100	100
286.00	78.00	78.30
282.00	53.80	35.74
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8569.D
Acq On : 17 Sep 2025 11:55 am
Operator : rocquans
Sample : ic446-0.004
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Sep 17 15:45:40 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 15:40:02 2025
Response via : Initial Calibration





TIC: cs8569.D\data.ms

(20) Pentachlorophenol (t)

11.294min (0.000) 4.67ppb

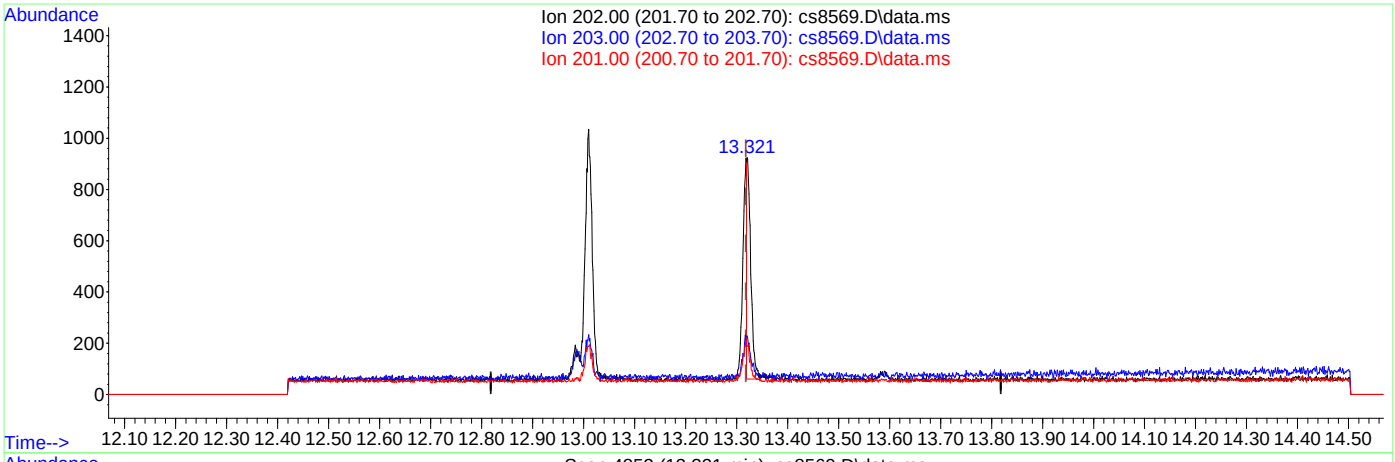
response 95

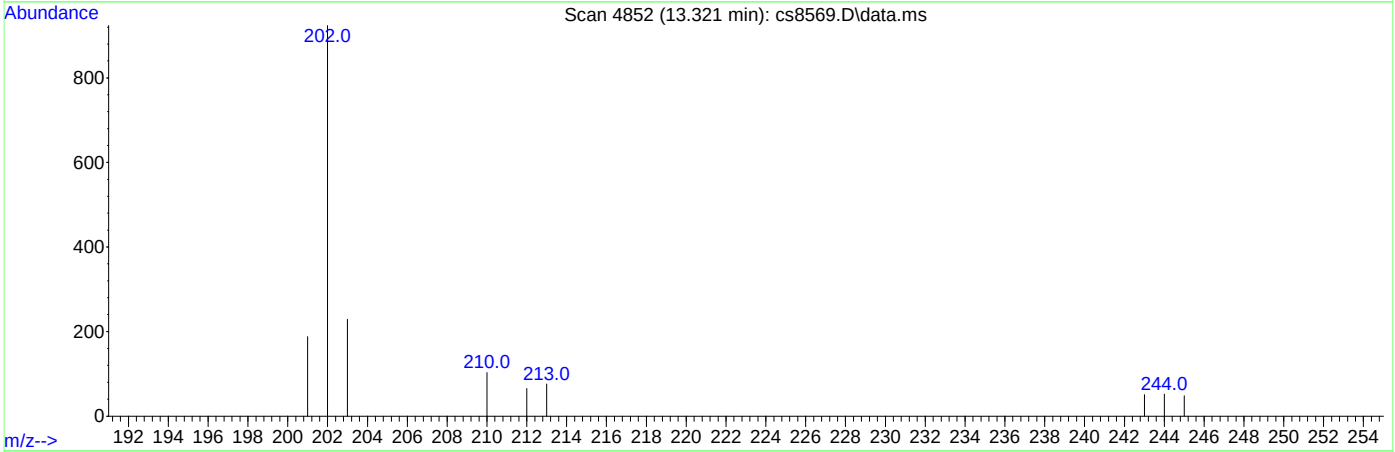
Ion	Exp%	Act%
266.00	100	100
268.00	63.10	0.00#
264.00	63.00	40.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8569.D
Acq On : 17 Sep 2025 11:55 am
Operator : rocquans
Sample : ic446-0.004
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Sep 17 15:45:40 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 15:40:02 2025
Response via : Initial Calibration





TIC: cs8569.D\data.ms

(24) Pyrene (t)

13.321min (+0.002) 2.02ppb

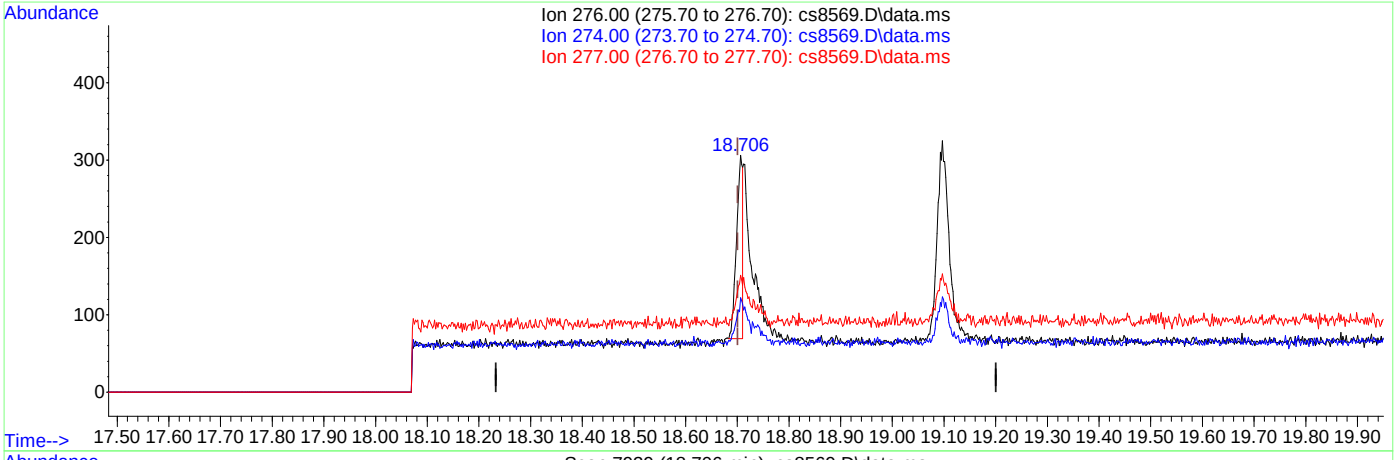
response 459

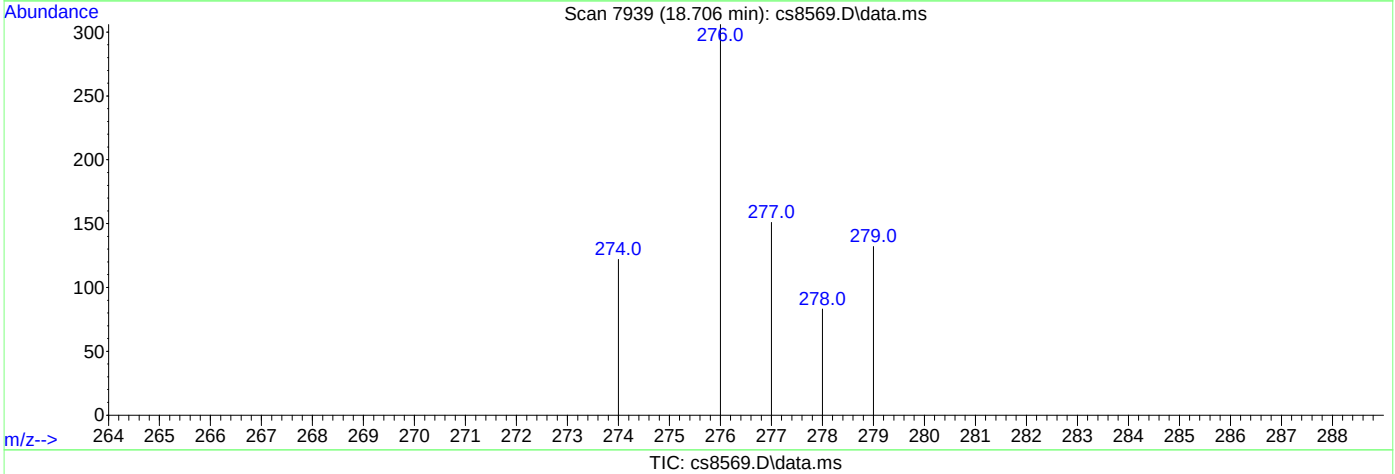
Ion	Exp%	Act%
202.00	100	100
203.00	17.10	19.50
201.00	16.40	11.56
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8569.D
Acq On : 17 Sep 2025 11:55 am
Operator : rocquans
Sample : ic446-0.004
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Sep 17 15:45:40 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 15:40:02 2025
Response via : Initial Calibration





TIC: cs8569.D\data.ms

(32) Indeno[1,2,3-cd]pyrene (t)

18.706min (+0.006) 1.88ppb

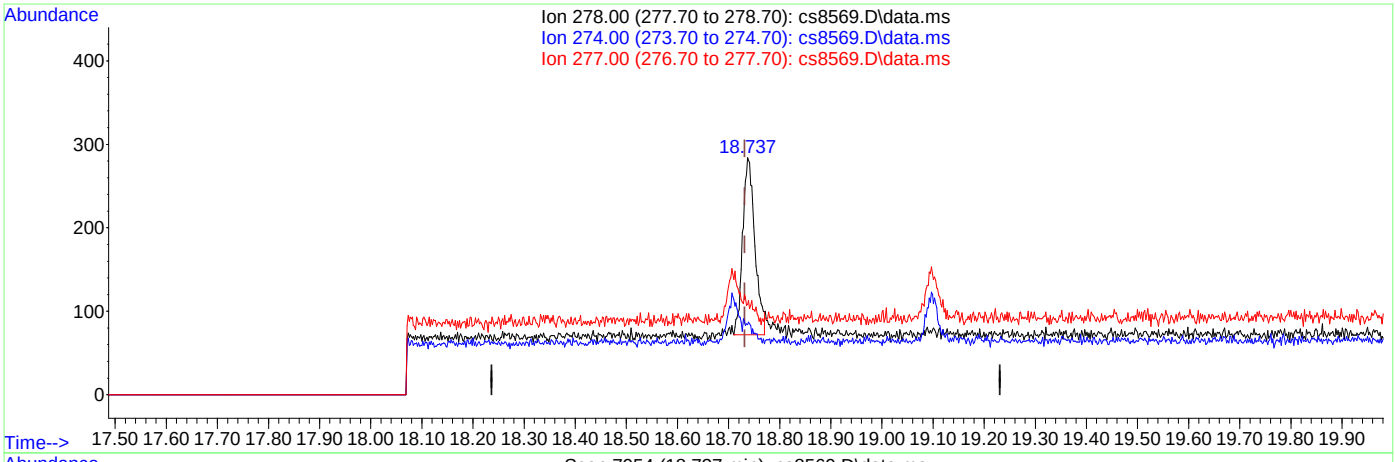
response 198

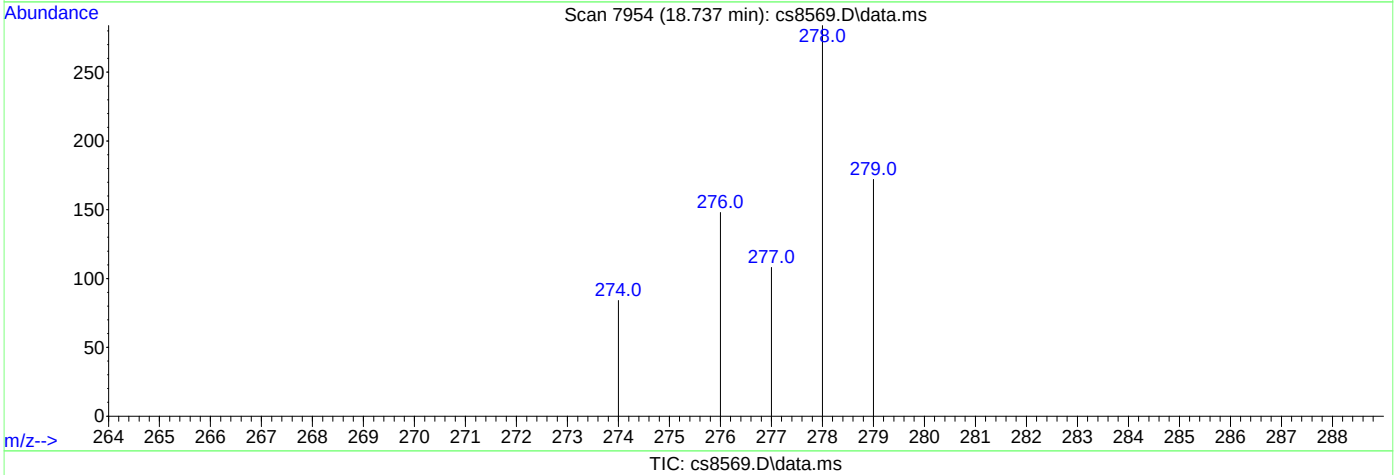
Ion	Exp%	Act%
276.00	100	100
274.00	20.40	24.90
277.00	22.40	30.83
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8569.D
Acq On : 17 Sep 2025 11:55 am
Operator : rocquans
Sample : ic446-0.004
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Sep 17 15:45:40 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 15:40:02 2025
Response via : Initial Calibration





TIC: cs8569.D\data.ms

(33) Dibenz[a,h]anthracene (t)

18.737min (+0.006) 3.53ppb

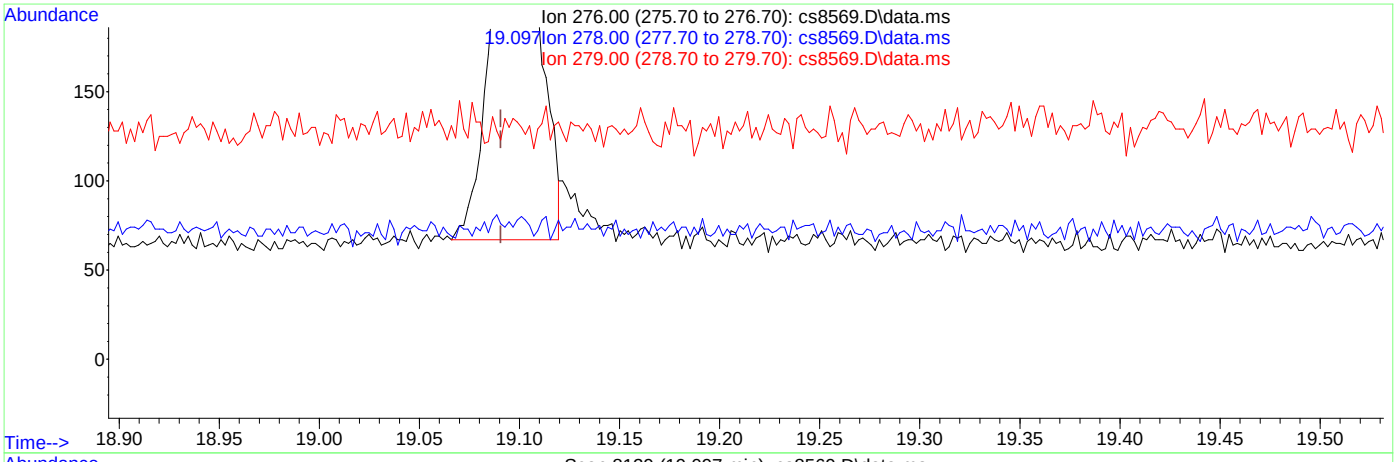
response 351

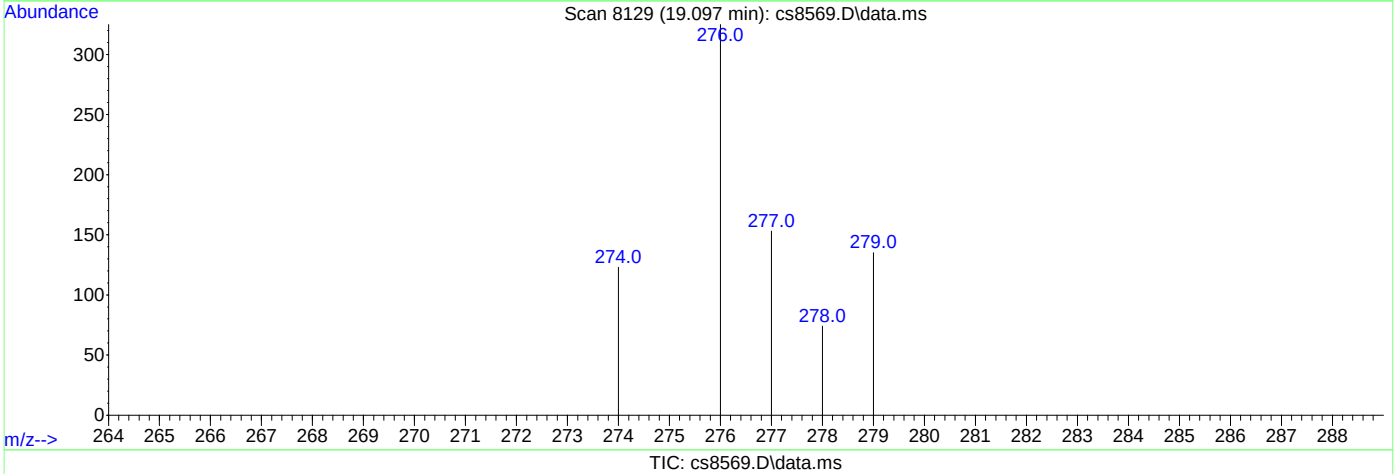
Ion	Exp%	Act%
278.00	100	100
274.00	8.40	0.00
277.00	7.80	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8569.D
Acq On : 17 Sep 2025 11:55 am
Operator : rocquans
Sample : ic446-0.004
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Sep 17 15:45:40 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 15:40:02 2025
Response via : Initial Calibration





TIC: cs8569.D\data.ms

(34) Benzo[g,h,i]perylene (t)

19.097min (+0.006) 3.73ppb

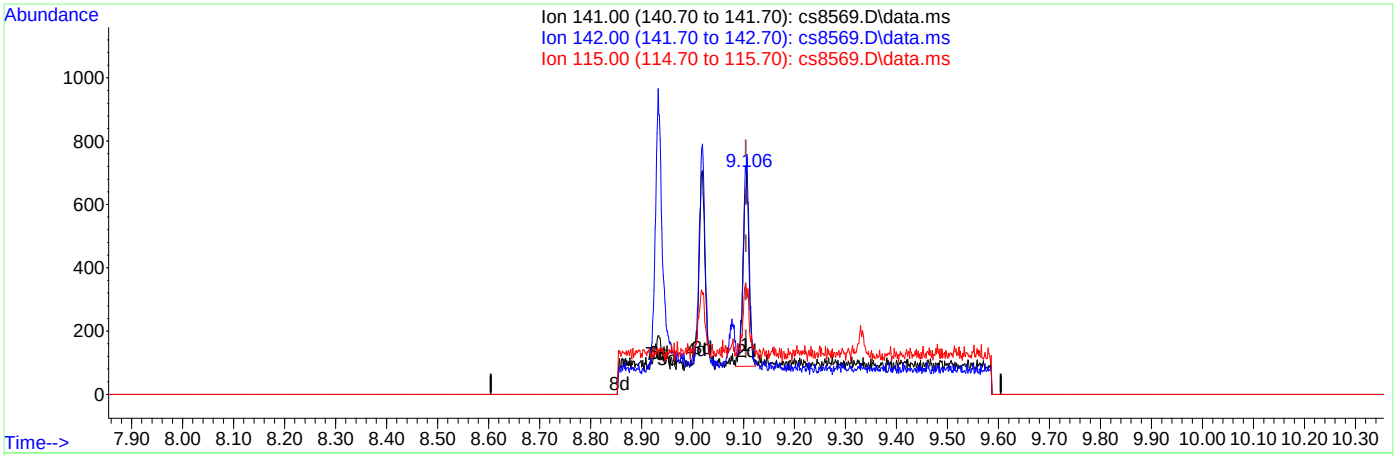
response 382

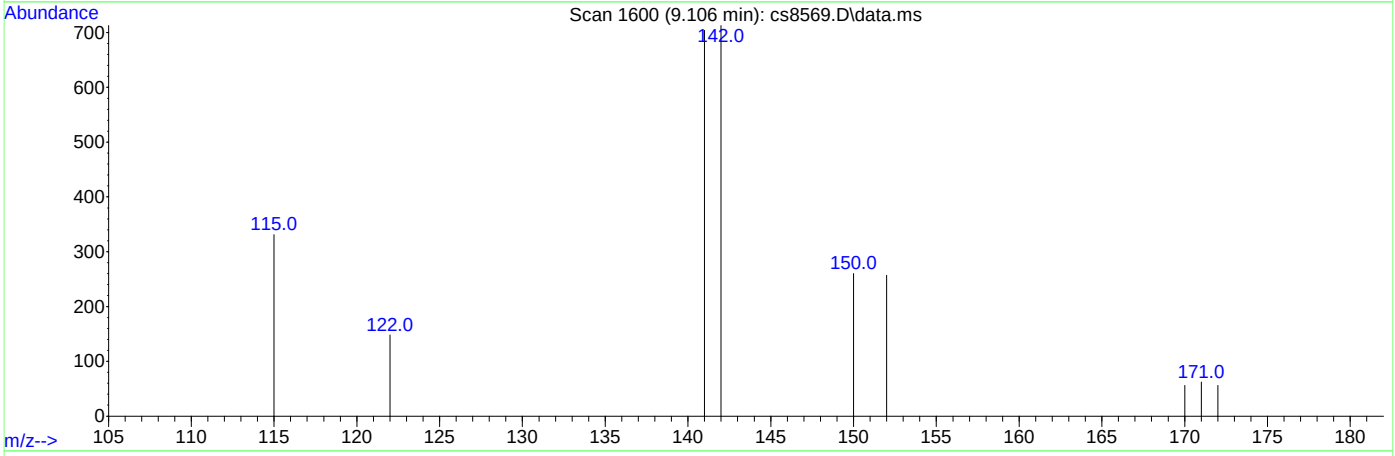
Ion	Exp%	Act%
276.00	100	100
278.00	2.60	0.21
279.00	0.20	1.24
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8569.D
Acq On : 17 Sep 2025 11:55 am
Operator : rocquans
Sample : ic446-0.004
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Sep 17 16:21:36 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration





TIC: cs8569.D\data.ms

(10) 1-Methylnaphthalene (t)

9.106min (+0.001) 4.26ppb m

response 490

Ion	Exp%	Act%
141.00	100	100
142.00	110.80	101.28
115.00	37.20	47.02
0.00	0.00	0.00

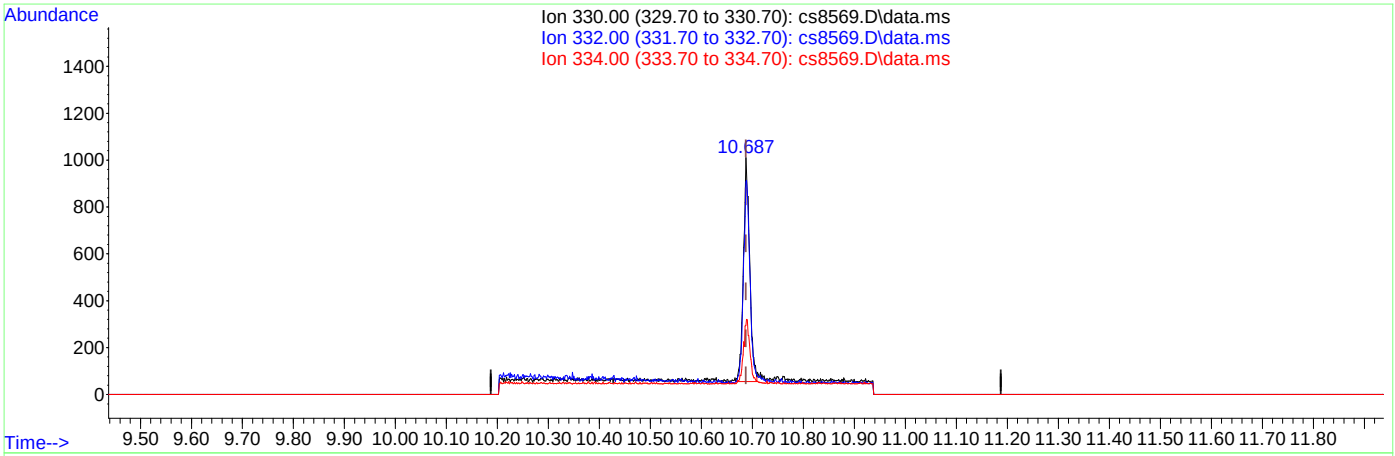
9.5.16.12

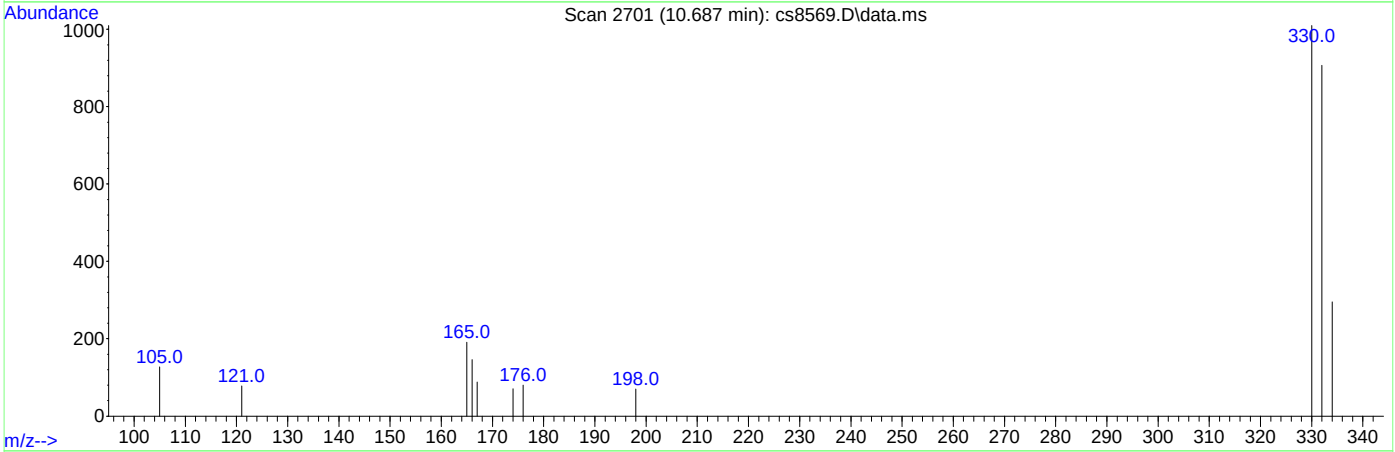
9

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8569.D
Acq On : 17 Sep 2025 11:55 am
Operator : rocquans
Sample : ic446-0.004
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Sep 17 16:21:36 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration





TIC: cs8569.D\data.ms

(17) 2,4,6-Tribromophenol (S)

10.687min (0.000) 54.93ppb

response 811

Ion	Exp%	Act%
330.00	100	100
332.00	95.70	88.67
334.00	30.50	25.78
0.00	0.00	0.00

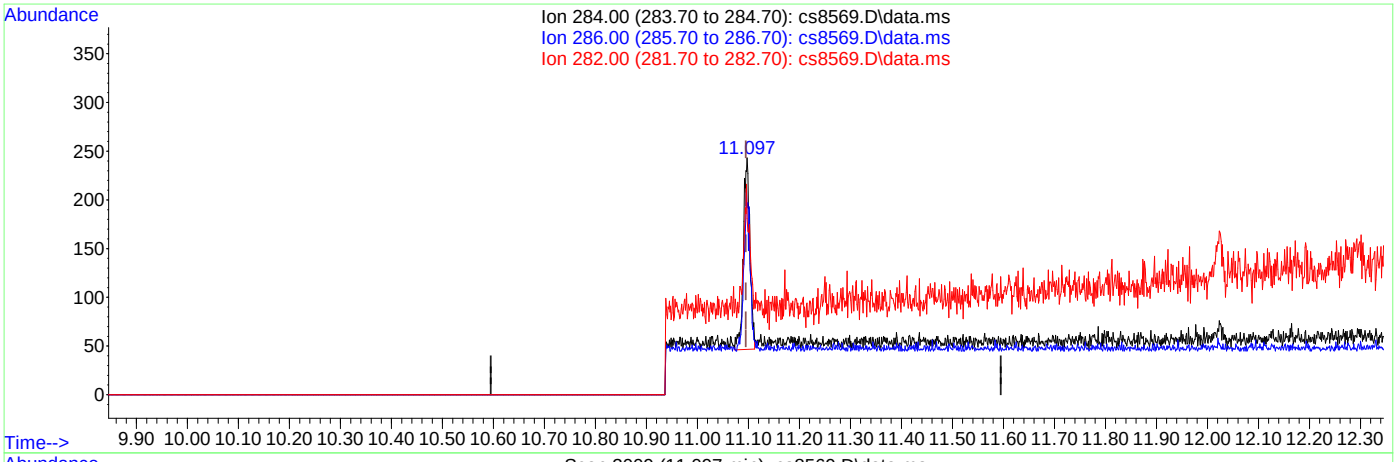
9.5.16.13

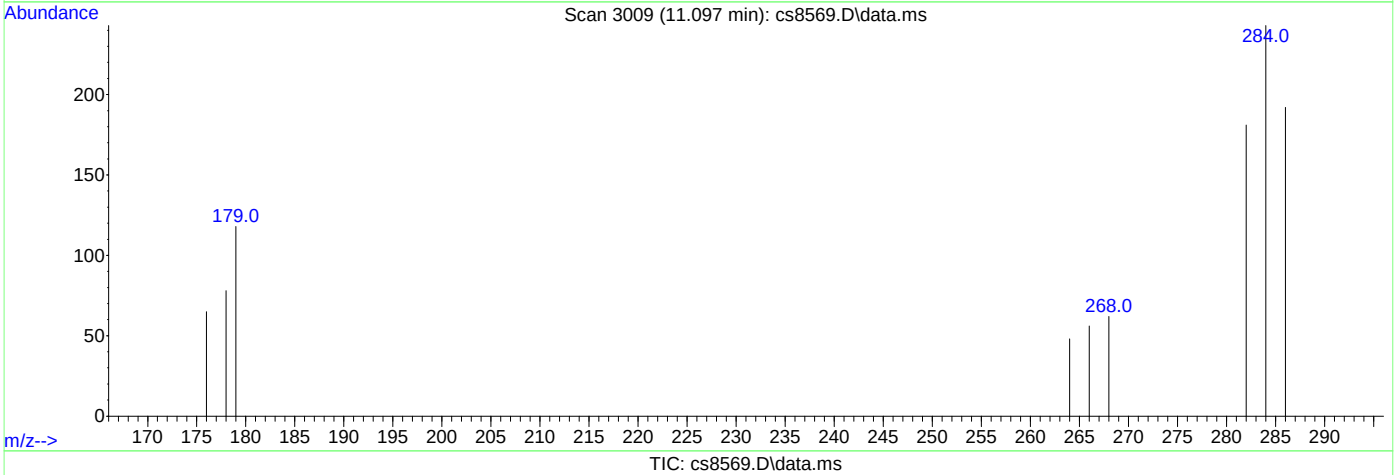
9

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8569.D
Acq On : 17 Sep 2025 11:55 am
Operator : rocquans
Sample : ic446-0.004
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Sep 17 16:21:36 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration





TIC: cs8569.D\data.ms

(19) Hexachlorobenzene (t)

11.097min (+0.002) 4.45ppb m

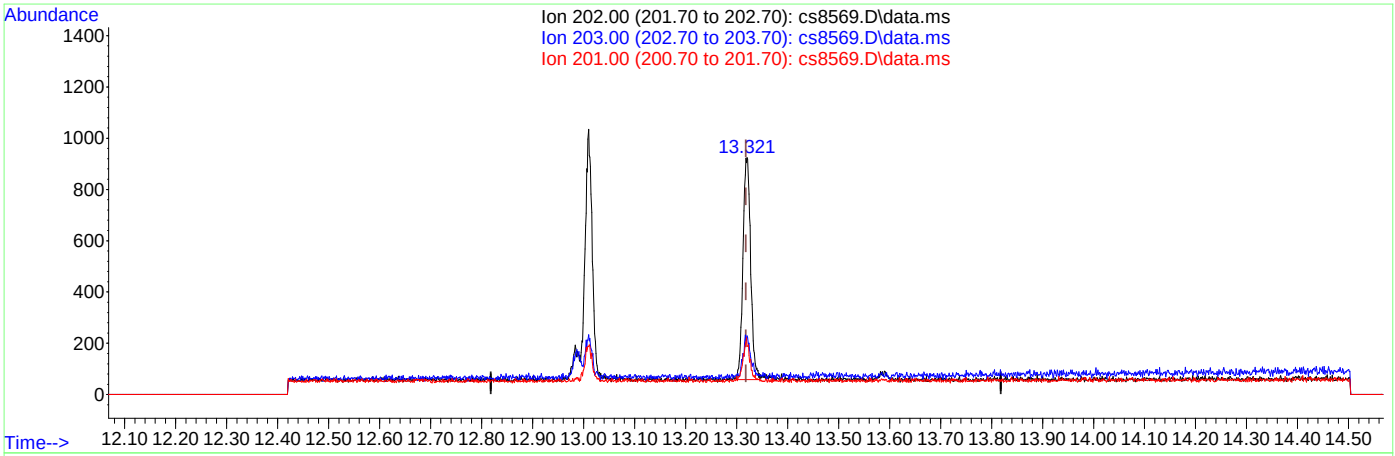
response 177

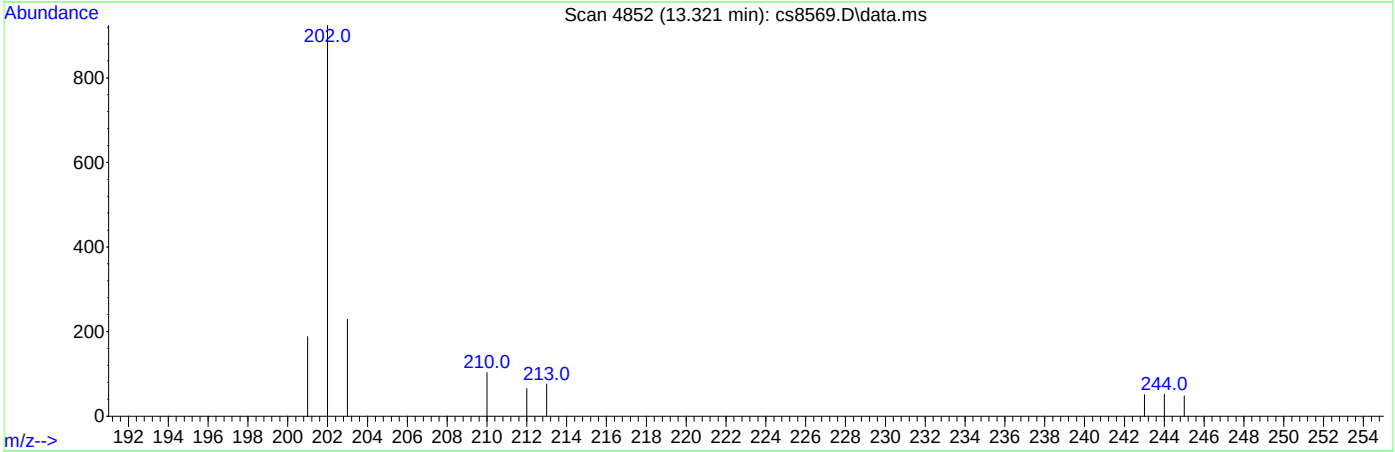
Ion	Exp%	Act%
284.00	100	100
286.00	78.00	79.01
282.00	53.80	74.49
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8569.D
Acq On : 17 Sep 2025 11:55 am
Operator : rocquans
Sample : ic446-0.004
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Sep 17 16:21:36 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration





TIC: cs8569.D\data.ms

(24) Pyrene (t)

13.321min (+0.002) 4.00ppb m

response 908

Ion	Exp%	Act%
202.00	100	100
203.00	17.10	24.78
201.00	16.40	20.35
0.00	0.00	0.00

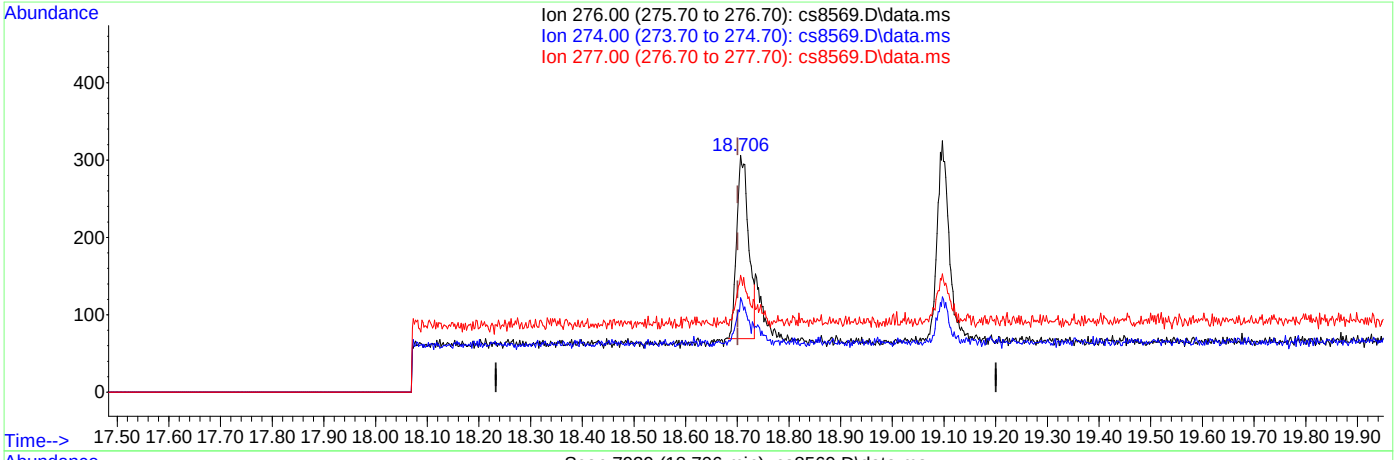
9.5.16.15

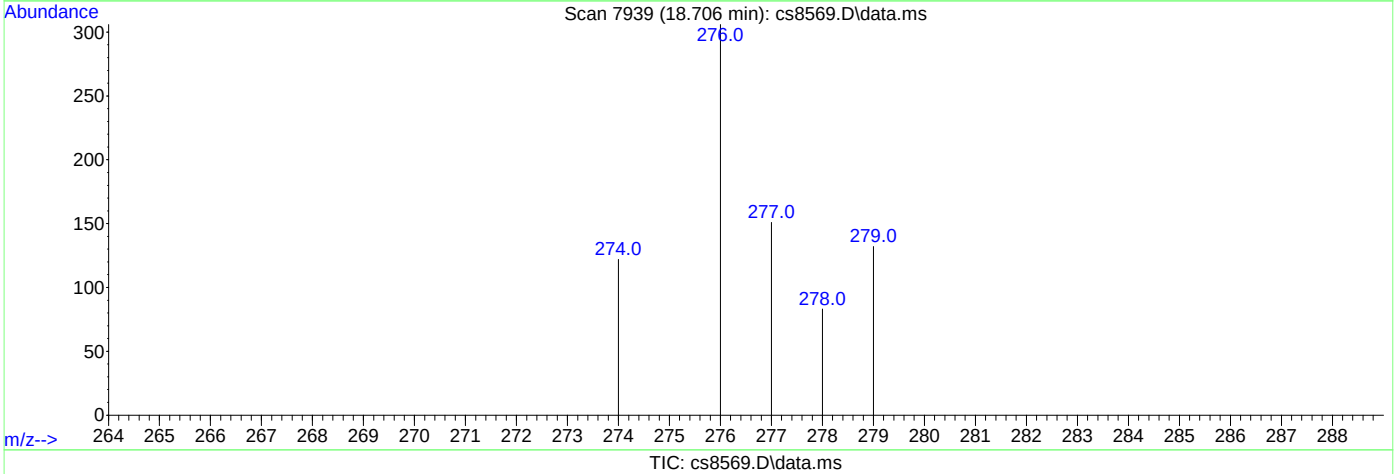
9

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8569.D
Acq On : 17 Sep 2025 11:55 am
Operator : rocquans
Sample : ic446-0.004
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Sep 17 16:21:36 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration





TIC: cs8569.D\data.ms

(32) Indeno[1,2,3-cd]pyrene (t)

18.706min (+0.006) 3.60ppb m

response 379

Ion	Exp%	Act%
276.00	100	100
274.00	20.40	39.87
277.00	22.40	49.35
0.00	0.00	0.00

9.5.16.16

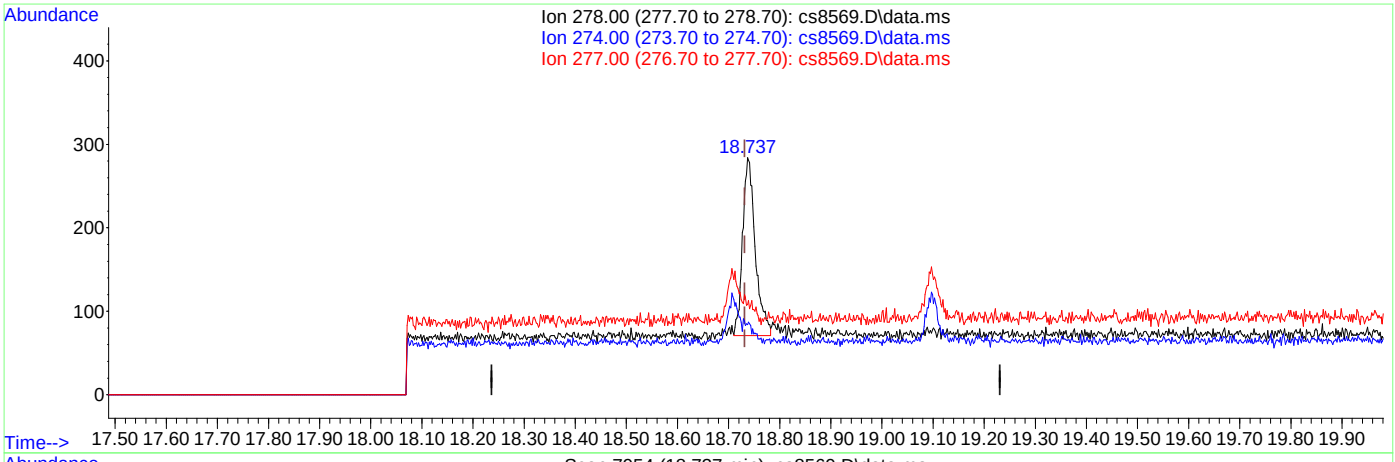
9

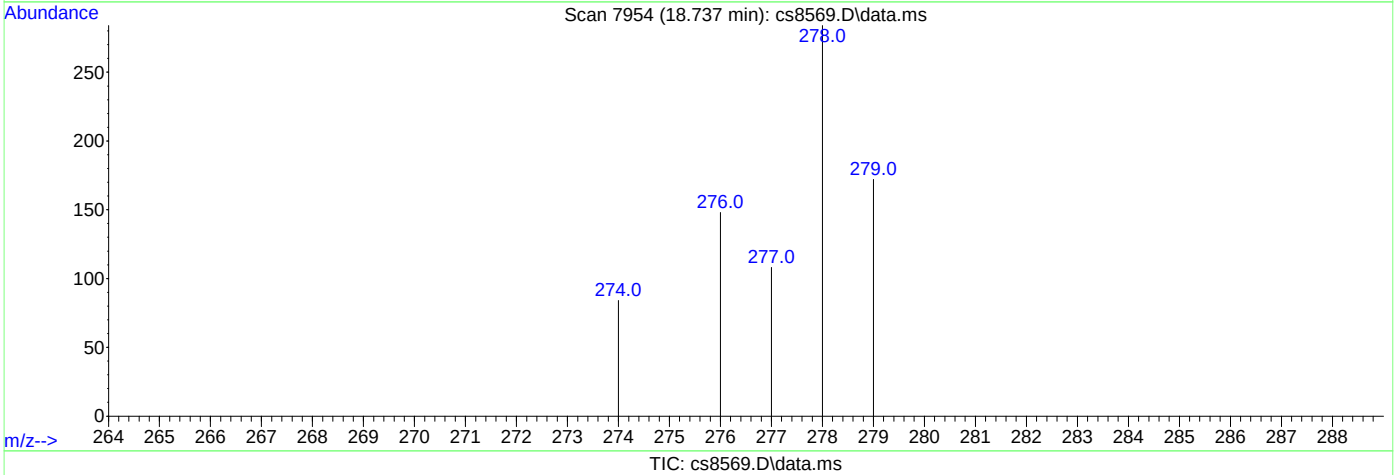
CS8569.D edits: Indeno[1,2,3-cd]pyrene

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8569.D
Acq On : 17 Sep 2025 11:55 am
Operator : rocquans
Sample : ic446-0.004
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Sep 17 16:21:36 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration





TIC: cs8569.D\data.ms

(33) Dibenz[a,h]anthracene (t)

18.737min (+0.006) 3.69ppb m

response 367

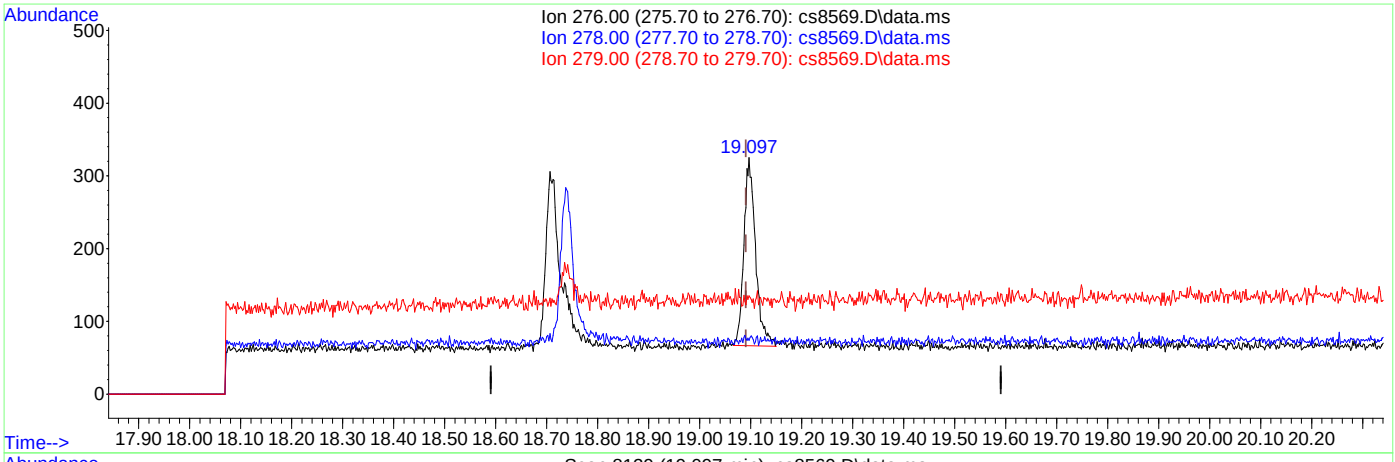
Ion	Exp%	Act%
278.00	100	100
274.00	8.40	29.58
277.00	7.80	38.03#
0.00	0.00	0.00

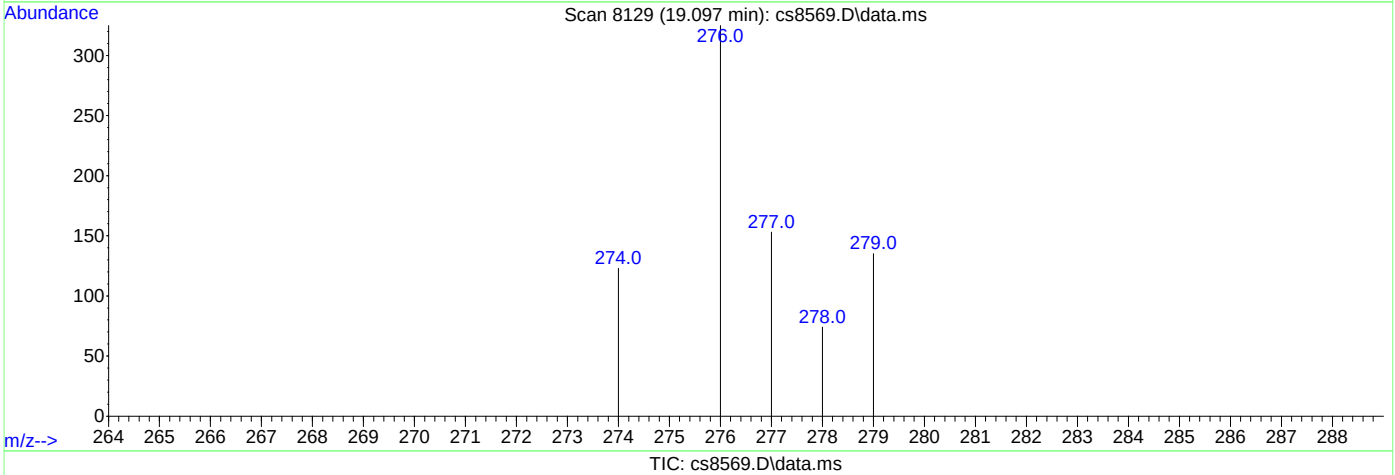
CS8569.D edits: Dibenz[a,h]anthracene

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8569.D
Acq On : 17 Sep 2025 11:55 am
Operator : rocquans
Sample : ic446-0.004
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Sep 17 16:21:36 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration





TIC: cs8569.D\data.ms

(34) Benzo[g,h,i]perylene (t)

19.097min (+0.006) 4.01ppb m

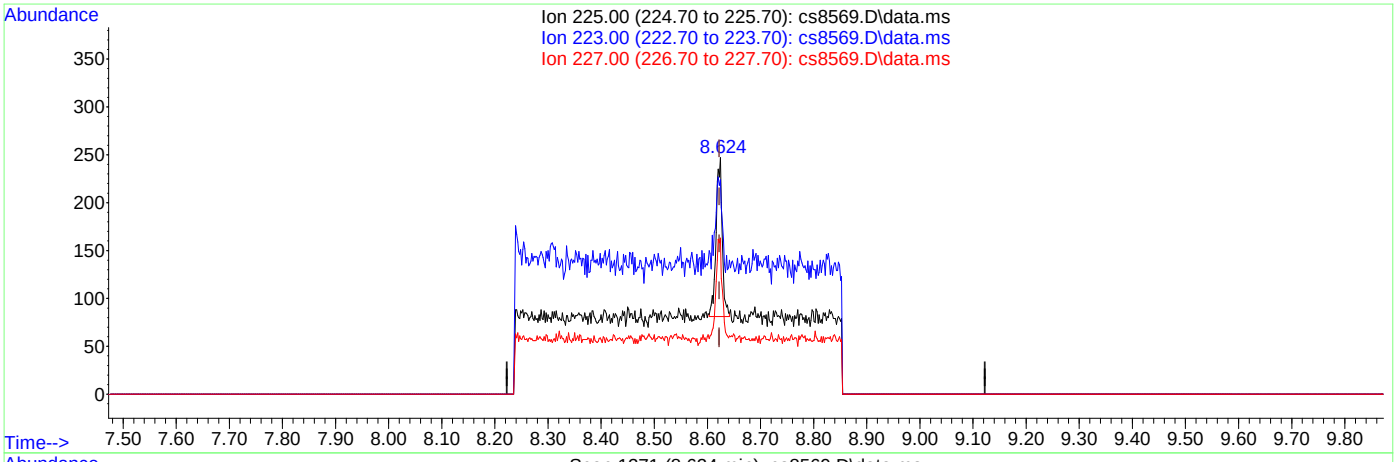
response 410

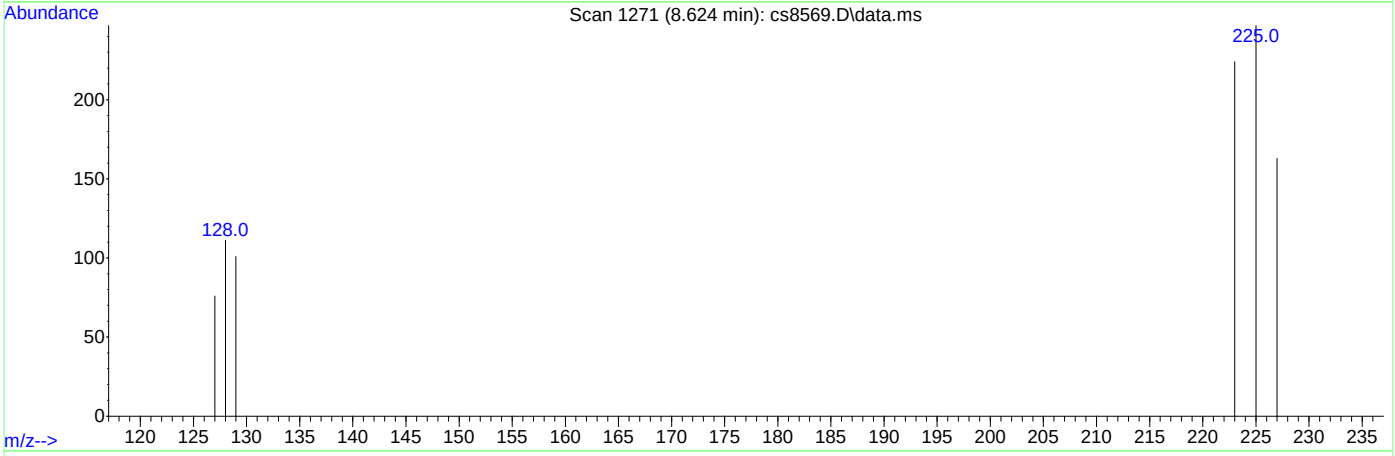
Ion	Exp%	Act%
276.00	100	100
278.00	2.60	22.77
279.00	0.20	41.54#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8569.D
Acq On : 17 Sep 2025 11:55 am
Operator : rocquans
Sample : ic446-0.004
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Sep 17 16:21:36 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration





TIC: cs8569.D\data.ms

(8) Hexachlorobutadiene (t)

8.624min (+0.002) 4.21ppb m

response 133

Ion	Exp%	Act%
225.00	100	100
223.00	61.80	90.69
227.00	62.60	65.99
0.00	0.00	0.00

9.5.16.19

9

Manual Integrations APPROVED (compounds with "m" flag)
Ying Li
09/18/25 10:52

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8570.D
Acq On : 17 Sep 2025 12:22 pm
Operator : rocquans
Sample : ic446-0.01
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Sep 17 16:21:38 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration

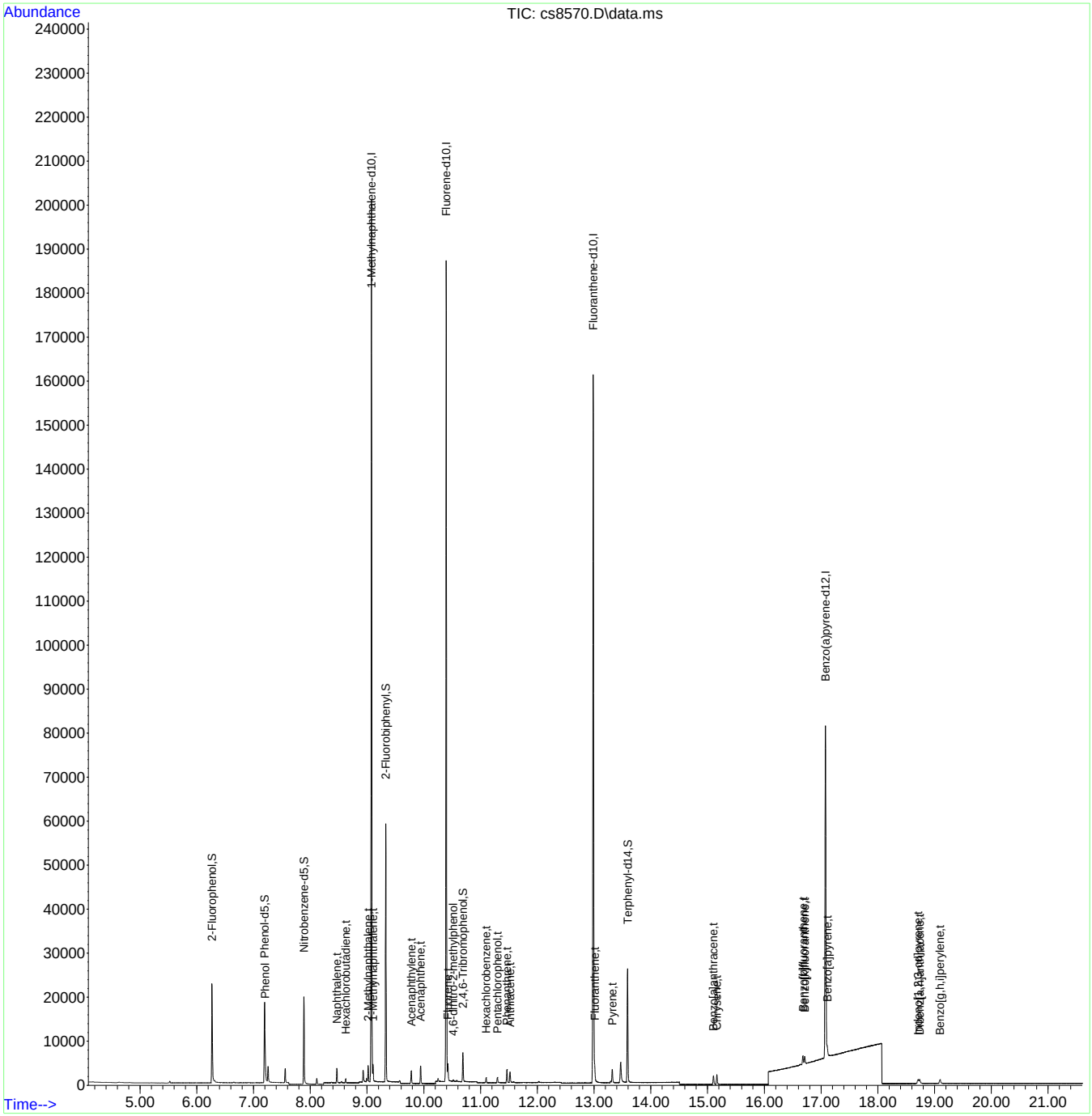
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	9.077	150	61667	800.00	ppb	0.00
11) Fluorene-d10	10.396	176	79349	800.00	ppb	0.00
18) Fluoranthene-d10	12.985	212	122861	800.00	ppb	0.00
28) Benzo(a)pyrene-d12	17.076	264	66100	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	6.270	112	11467	177.90	ppb	0.00
Spiked Amount 10000.000			Recovery =	1.78%		
4) Phenol-d5	7.195	99	13514	181.29	ppb	0.00
Spiked Amount 10000.000			Recovery =	1.81%		
6) Nitrobenzene-d5	7.887	82	11424	188.72	ppb	0.00
Spiked Amount 10000.000			Recovery =	1.89%		
12) 2-Fluorobiphenyl	9.330	172	27584	208.05	ppb	0.00
Spiked Amount 10000.000			Recovery =	2.08%		
17) 2,4,6-Tribromophenol	10.689	330	2388	158.98	ppb	0.00
Spiked Amount 10000.000			Recovery =	1.59%		
25) Terphenyl-d14	13.590	244	17972	192.75	ppb	0.00
Spiked Amount 10000.000			Recovery =	1.93%		
Target Compounds						Qvalue
5) Phenol	7.205	94	3991	47.30	ppb	98
7) Naphthalene	8.467	128	2141	9.71	ppb	100
8) Hexachlorobutadiene	8.622	225	327	10.14	ppb	93
9) 2-Methylnaphthalene	9.019	141	1188	9.74	ppb	98
10) 1-Methylnaphthalene	9.107	141	1125	9.58	ppb	92
13) Acenaphthylene	9.779	152	1803	8.94	ppb	99
14) Acenaphthene	9.943	153	1325	9.62	ppb	97
15) Fluorene	10.423	166	1474	9.47	ppb	99
16) 4,6-dinitro-2-methylph...	10.516	198	146m	10.47	ppb	
19) Hexachlorobenzene	11.097	284	387	9.25	ppb	98
20) Pentachlorophenol	11.297	266	567m	26.49	ppb	
21) Phenanthrene	11.465	178	2061	9.19	ppb	98
22) Anthracene	11.520	178	1798	8.46	ppb	97
23) Fluoranthene	13.011	202	2166	9.23	ppb	97
24) Pyrene	13.321	202	2160	9.06	ppb	96
26) Benzo[a]anthracene	15.104	228	1574	9.05	ppb	98
27) Chrysene	15.163	228	1577	9.01	ppb	99
29) Benzo[b]fluoranthene	16.680	252	1414	9.60	ppb	94
30) Benzo[k]fluoranthene	16.713	252	1293	9.04	ppb	90
31) Benzo[a]pyrene	17.109	252	1277	9.40	ppb	90
32) Indeno[1,2,3-cd]pyrene	18.708	276	935	8.43	ppb	96
33) Dibenz[a,h]anthracene	18.737	278	825	7.86	ppb	77
34) Benzo[g,h,i]perylene	19.096	276	947	8.78	ppb	100

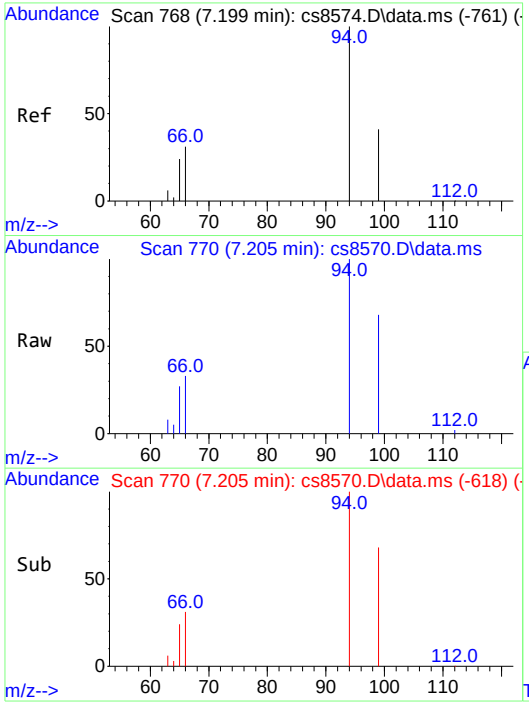
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8570.D
Acq On : 17 Sep 2025 12:22 pm
Operator : rocquans
Sample : ic446-0.01
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Sep 17 16:21:38 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration

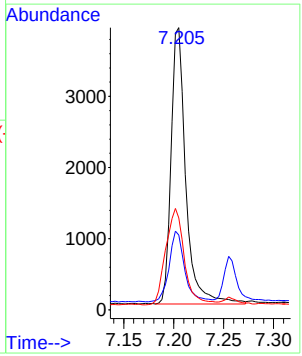


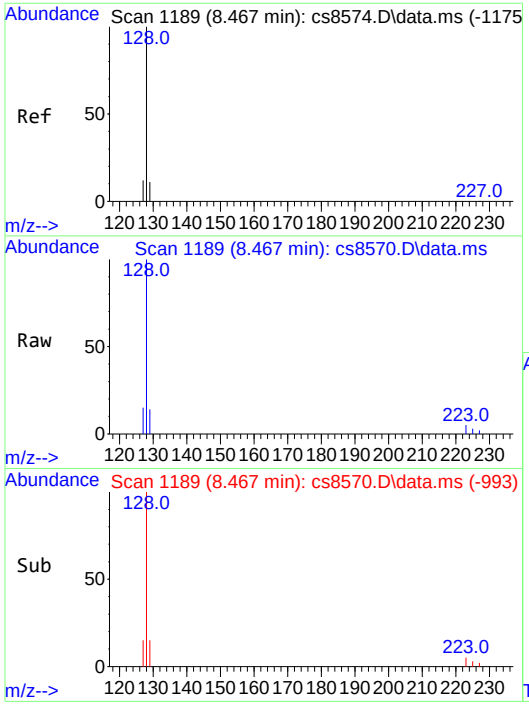


#5
Phenol
Concen: 47.30 ppb
RT: 7.205 min Scan# 770
Delta R.T. 0.006 min
Lab File: cs8570.D
Acq: 17 Sep 2025 12:22 pm

Tgt Ion: 94 Resp: 3991

Ion	Ratio	Lower	Upper
94	100		
65	23.1	17.0	25.4
66	30.6	24.6	37.0

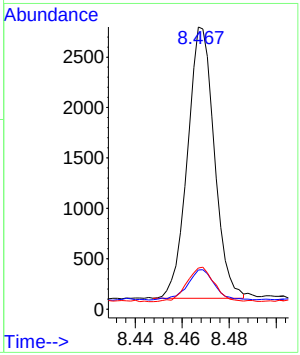


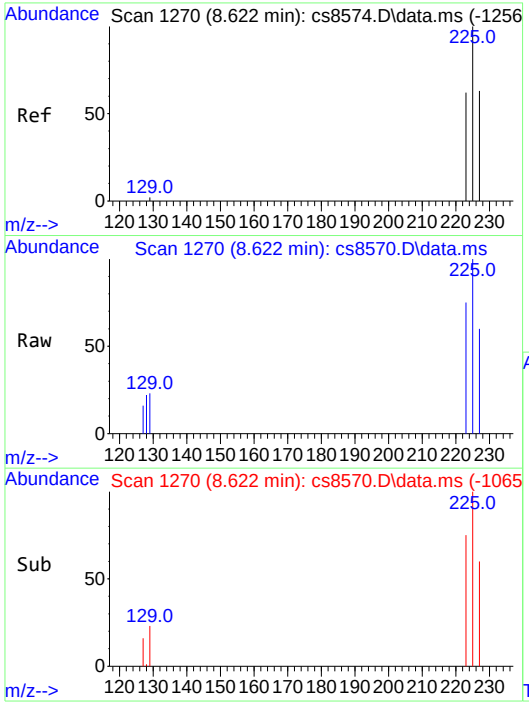


#7
Naphthalene
Concen: 9.71 ppb
RT: 8.467 min Scan# 1189
Delta R.T. -0.000 min
Lab File: cs8570.D
Acq: 17 Sep 2025 12:22 pm

Tgt Ion:128 Resp: 2141

Ion	Ratio	Lower	Upper
128	100		
129	11.0	0.0	40.8
127	12.4	0.0	42.4

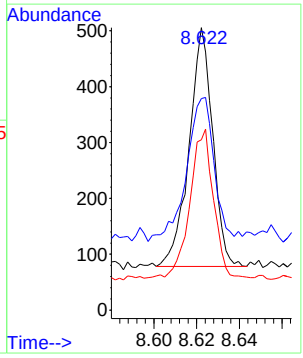


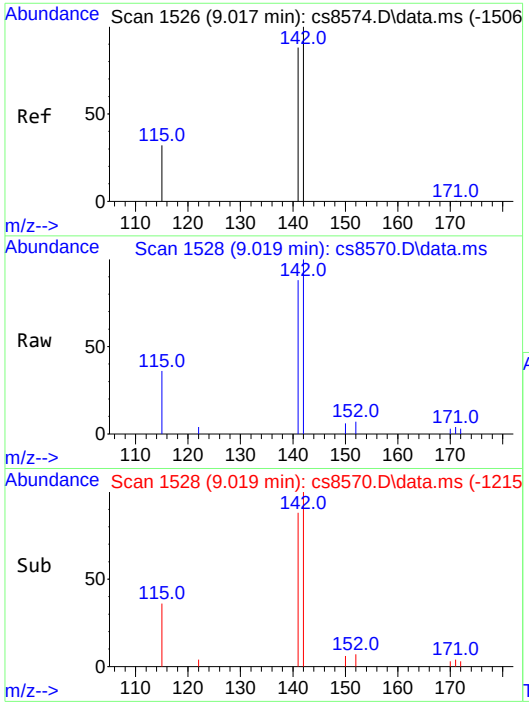


#8
Hexachlorobutadiene
Concen: 10.14 ppb
RT: 8.622 min Scan# 1270
Delta R.T. -0.000 min
Lab File: cs8570.D
Acq: 17 Sep 2025 12:22 pm

Tgt Ion:225 Resp: 327

Ion	Ratio	Lower	Upper
225	100		
223	56.4	31.8	91.8
227	57.2	32.6	92.6

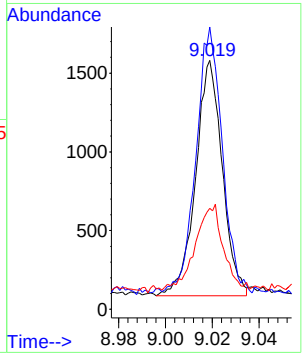


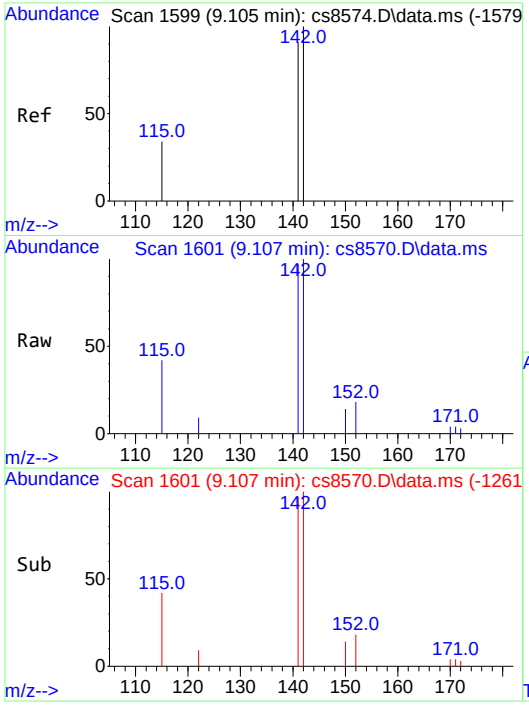


#9
2-Methylnaphthalene
Concen: 9.74 ppb
RT: 9.019 min Scan# 1528
Delta R.T. 0.002 min
Lab File: cs8570.D
Acq: 17 Sep 2025 12:22 pm

Tgt Ion:141 Resp: 1188

Ion	Ratio	Lower	Upper
141	100		
142	112.0	83.1	143.1
115	33.5	5.8	65.8

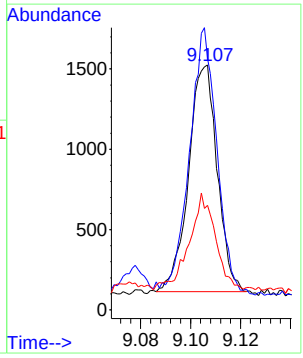


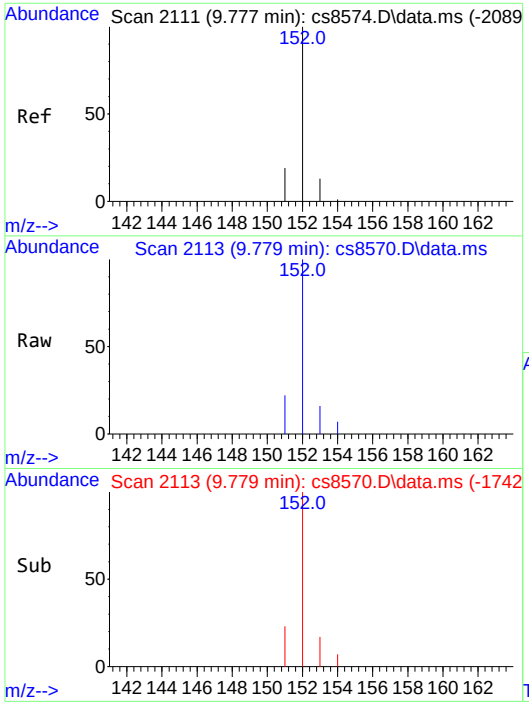


#10
1-Methylnaphthalene
Concen: 9.58 ppb
RT: 9.107 min Scan# 1601
Delta R.T. 0.002 min
Lab File: cs8570.D
Acq: 17 Sep 2025 12:22 pm

Tgt Ion:141 Resp: 1125

Ion	Ratio	Lower	Upper
141	100		
142	100.2	80.8	140.8
115	35.8	7.2	67.2

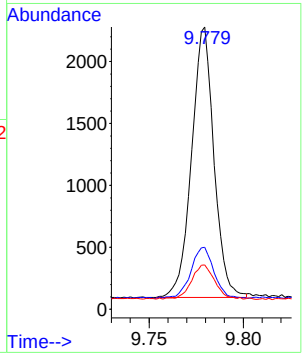


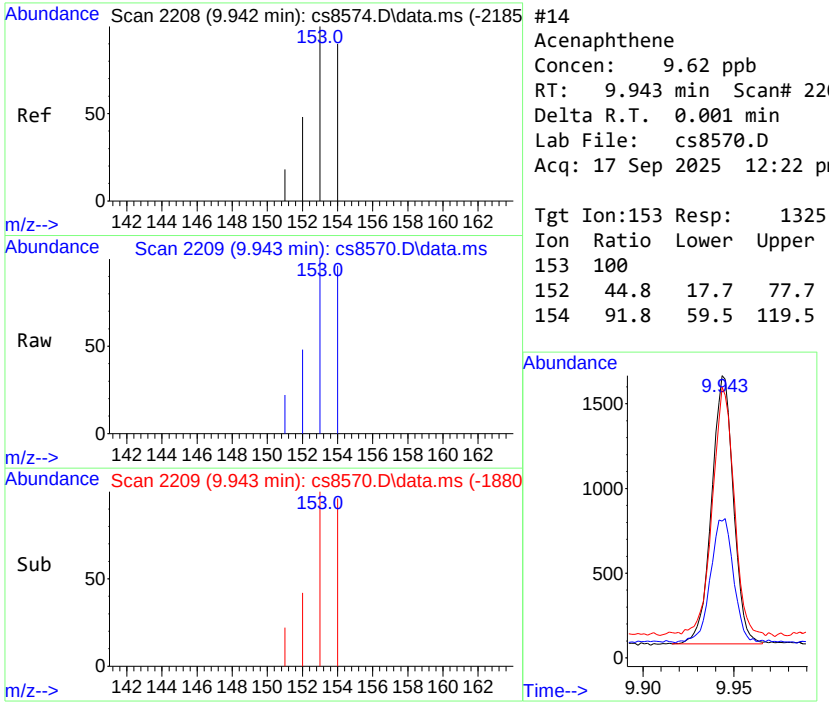


#13
Acenaphthylene
Concen: 8.94 ppb
RT: 9.779 min Scan# 2113
Delta R.T. 0.003 min
Lab File: cs8570.D
Acq: 17 Sep 2025 12:22 pm

Tgt Ion:152 Resp: 1803

Ion	Ratio	Lower	Upper
152	100		
151	18.9	0.0	49.3
153	12.6	0.0	42.7

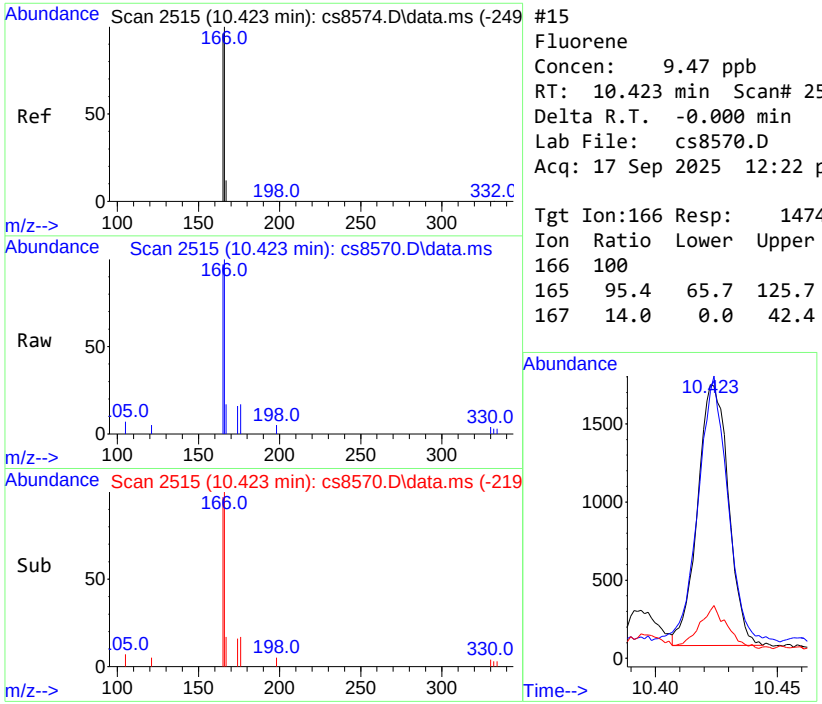




#14
Acenaphthene
Concen: 9.62 ppb
RT: 9.943 min Scan# 2209
Delta R.T. 0.001 min
Lab File: cs8570.D
Acq: 17 Sep 2025 12:22 pm

Tgt Ion:153 Resp: 1325

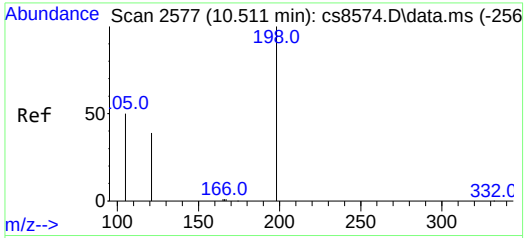
Ion	Ratio	Lower	Upper
153	100		
152	44.8	17.7	77.7
154	91.8	59.5	119.5

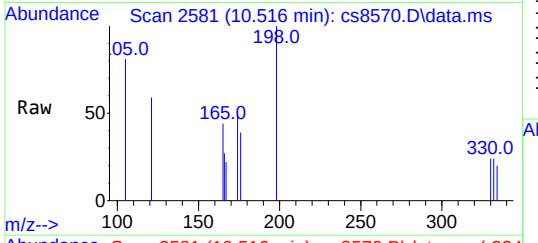


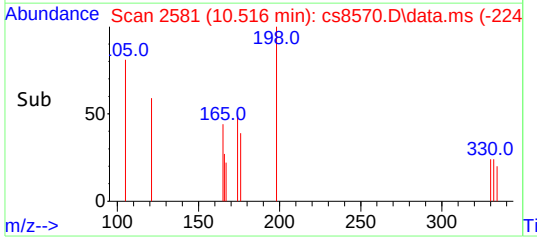
#15
Fluorene
Concen: 9.47 ppb
RT: 10.423 min Scan# 2515
Delta R.T. -0.000 min
Lab File: cs8570.D
Acq: 17 Sep 2025 12:22 pm

Tgt Ion:166 Resp: 1474

Ion	Ratio	Lower	Upper
166	100		
165	95.4	65.7	125.7
167	14.0	0.0	42.4



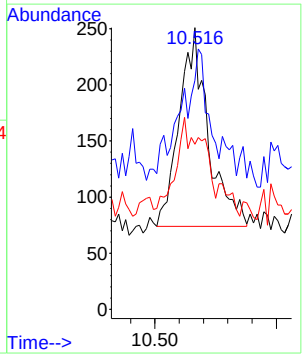


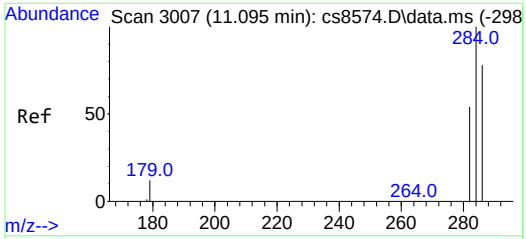


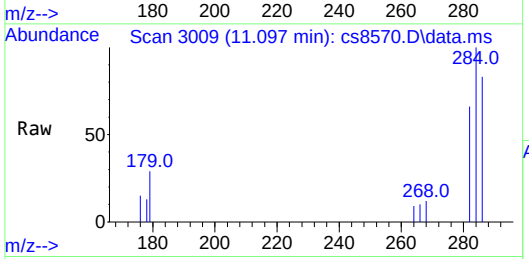
#16
4,6-dinitro-2-methylphenol
Concen: 10.47 ppb m
RT: 10.516 min Scan# 2581
Delta R.T. 0.005 min
Lab File: cs8570.D
Acq: 17 Sep 2025 12:22 pm

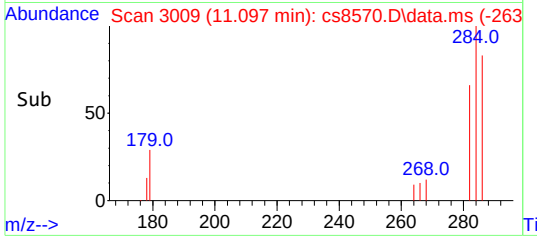
Tgt Ion:198 Resp: 146

Ion	Ratio	Lower	Upper
198	100		
105	81.3	29.9	69.9#
121	58.6	19.3	59.3





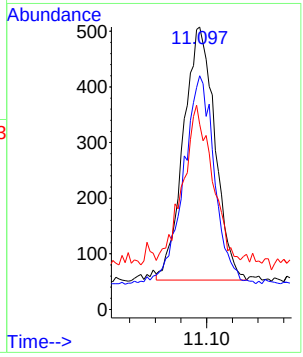


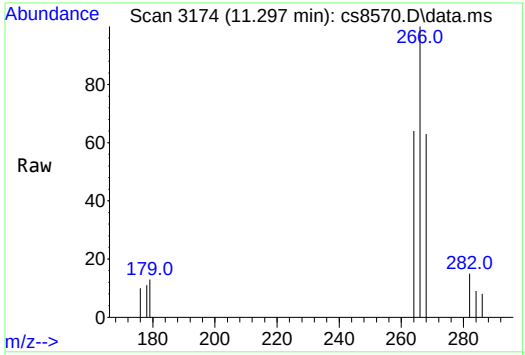


#19
Hexachlorobenzene
Concen: 9.25 ppb
RT: 11.097 min Scan# 3009
Delta R.T. 0.002 min
Lab File: cs8570.D
Acq: 17 Sep 2025 12:22 pm

Tgt Ion:284 Resp: 387

Ion	Ratio	Lower	Upper
284	100		
286	80.6	48.0	108.0
282	53.3	23.8	83.8

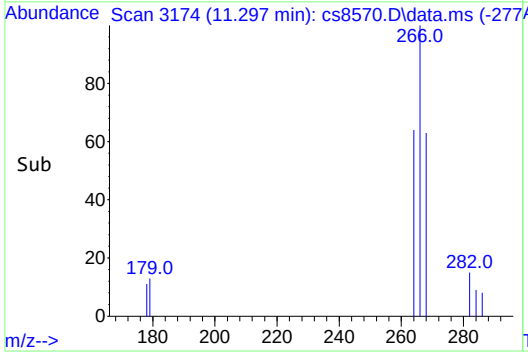


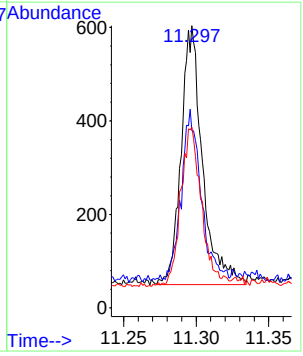


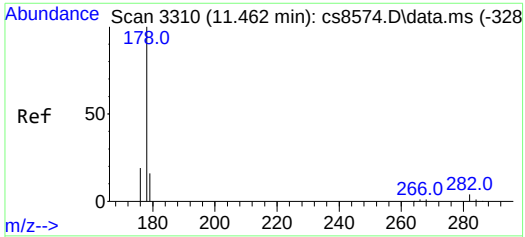
#20
Pentachlorophenol
Concen: 26.49 ppb m
RT: 11.297 min Scan# 3174
Delta R.T. 0.003 min
Lab File: cs8570.D
Acq: 17 Sep 2025 12:22 pm

Tgt Ion:266 Resp: 567

Ion	Ratio	Lower	Upper
266	100		
268	56.1	43.1	83.1
264	40.0	43.0	83.0#



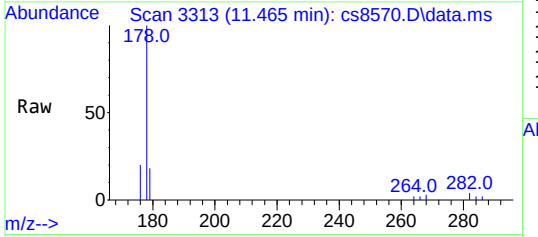


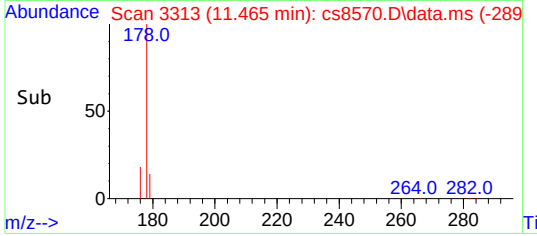


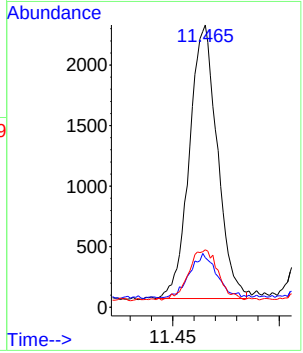
#21
Phenanthrene
Concen: 9.19 ppb
RT: 11.465 min Scan# 3313
Delta R.T. 0.003 min
Lab File: cs8570.D
Acq: 17 Sep 2025 12:22 pm

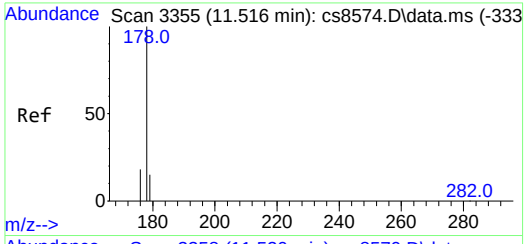
Tgt Ion:178 Resp: 2061

Ion	Ratio	Lower	Upper
178	100		
179	14.5	0.0	45.7
176	18.3	0.0	49.2





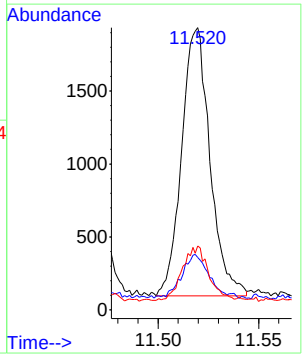


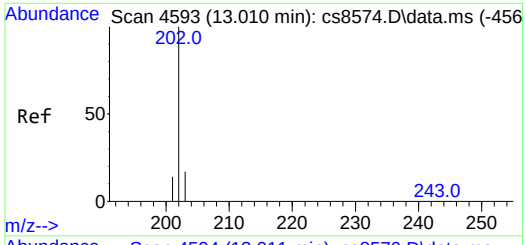


#22
Anthracene
Concen: 8.46 ppb
RT: 11.520 min Scan# 3358
Delta R.T. 0.004 min
Lab File: cs8570.D
Acq: 17 Sep 2025 12:22 pm

Tgt Ion:178 Resp: 1798

Ion	Ratio	Lower	Upper
178	100		
179	15.0	0.0	45.2
176	20.3	0.0	48.4

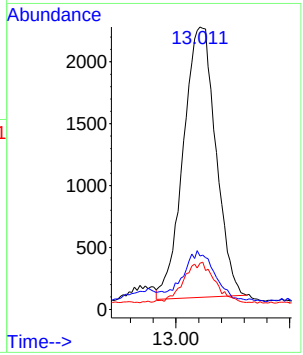


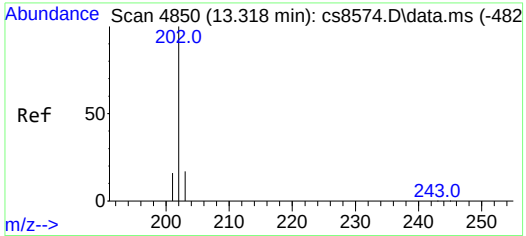


#23
Fluoranthene
Concen: 9.23 ppb
RT: 13.011 min Scan# 4594
Delta R.T. 0.001 min
Lab File: cs8570.D
Acq: 17 Sep 2025 12:22 pm

Tgt Ion:202 Resp: 2166

Ion	Ratio	Lower	Upper
202	100		
203	15.2	0.0	47.2
201	14.4	0.0	44.0

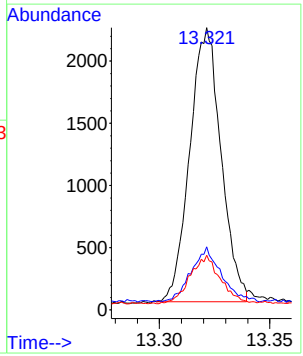


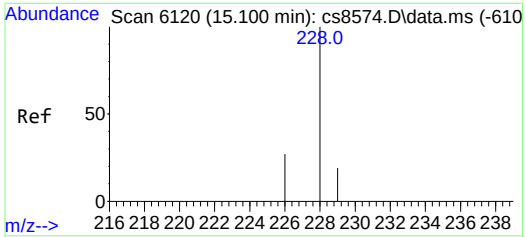


#24
Pyrene
Concen: 9.06 ppb
RT: 13.321 min Scan# 4853
Delta R.T. 0.003 min
Lab File: cs8570.D
Acq: 17 Sep 2025 12:22 pm

Tgt Ion:202 Resp: 2160

Ion	Ratio	Lower	Upper
202	100		
203	19.3	0.0	47.1
201	17.5	0.0	46.4

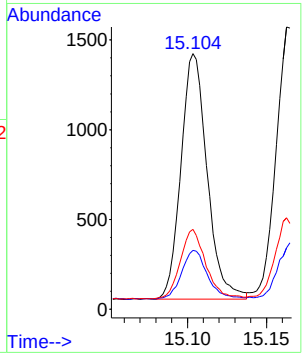


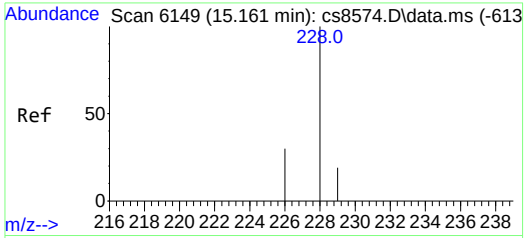


#26
Benzo[a]anthracene
Concen: 9.05 ppb
RT: 15.104 min Scan# 6122
Delta R.T. 0.004 min
Lab File: cs8570.D
Acq: 17 Sep 2025 12:22 pm

Tgt Ion:228 Resp: 1574

Ion	Ratio	Lower	Upper
228	100		
229	19.8	0.0	49.1
226	28.2	0.0	57.0

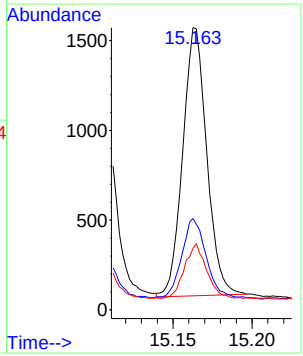


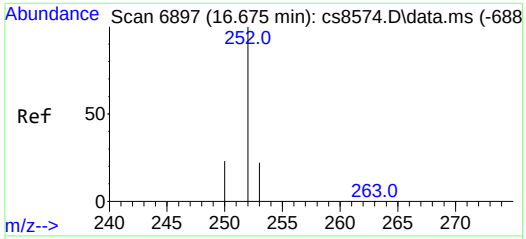


#27
Chrysene
Concen: 9.01 ppb
RT: 15.163 min Scan# 6150
Delta R.T. 0.002 min
Lab File: cs8570.D
Acq: 17 Sep 2025 12:22 pm

Tgt Ion:228 Resp: 1577

Ion	Ratio	Lower	Upper
228	100		
226	29.6	0.0	59.6
229	18.5	0.0	49.1

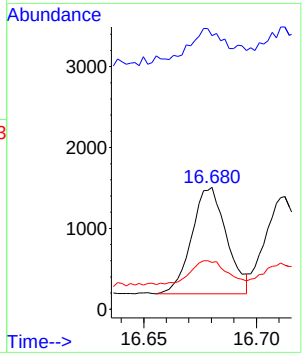


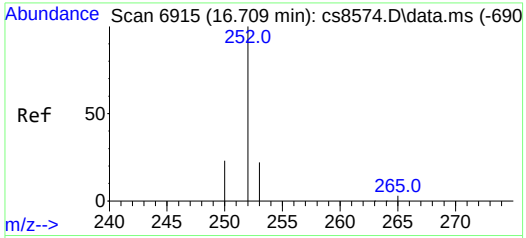


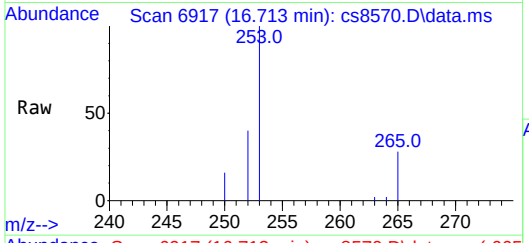
#29
Benzo[b]fluoranthene
Concen: 9.60 ppb
RT: 16.680 min Scan# 6900
Delta R.T. 0.005 min
Lab File: cs8570.D
Acq: 17 Sep 2025 12:22 pm

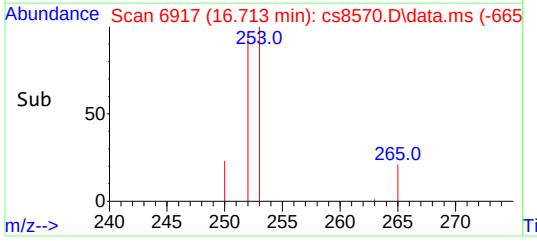
Tgt Ion:252 Resp: 1414

Ion	Ratio	Lower	Upper
252	100		
253	18.2	0.0	51.5
250	21.0	0.0	53.4





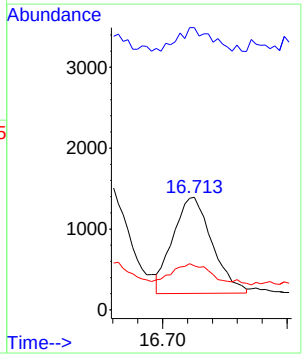


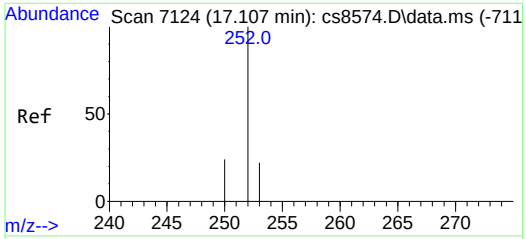


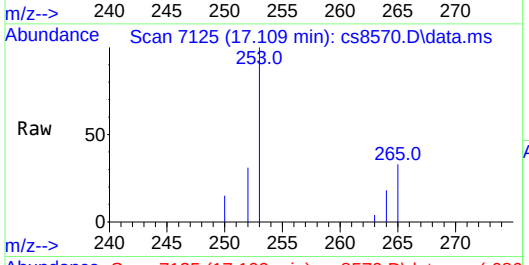
#30
Benzo[k]fluoranthene
Concen: 9.04 ppb
RT: 16.713 min Scan# 6917
Delta R.T. 0.003 min
Lab File: cs8570.D
Acq: 17 Sep 2025 12:22 pm

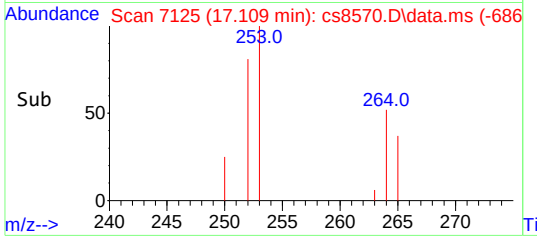
Tgt Ion:252 Resp: 1293

Ion	Ratio	Lower	Upper
252	100		
253	26.1	0.0	51.3
250	18.5	0.0	53.2





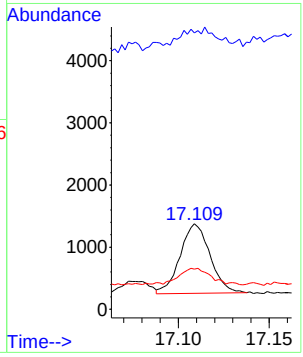


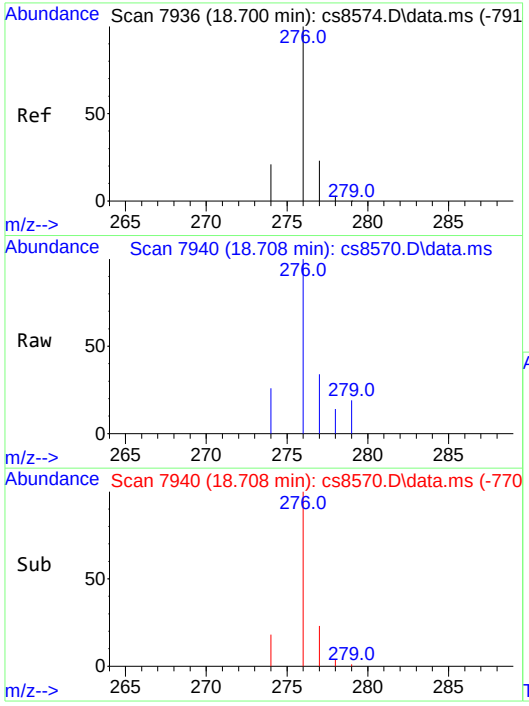


#31
Benzo[a]pyrene
Concen: 9.40 ppb
RT: 17.109 min Scan# 7125
Delta R.T. 0.002 min
Lab File: cs8570.D
Acq: 17 Sep 2025 12:22 pm

Tgt Ion:252 Resp: 1277

Ion	Ratio	Lower	Upper
252	100		
253	14.0	0.0	51.3
250	21.3	0.0	53.7

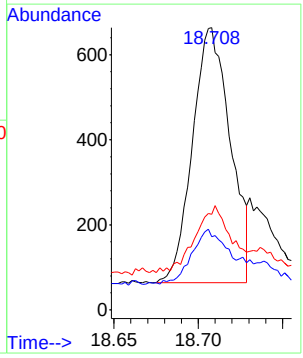


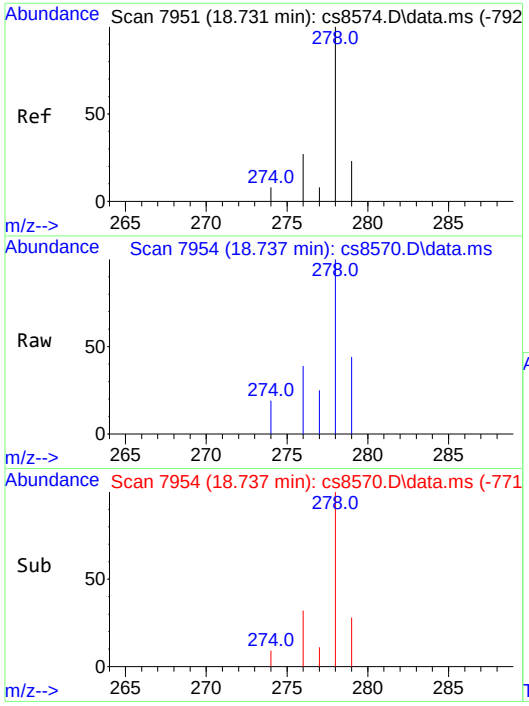


#32
Indeno[1,2,3-cd]pyrene
Concen: 8.43 ppb
RT: 18.708 min Scan# 7940
Delta R.T. 0.008 min
Lab File: cs8570.D
Acq: 17 Sep 2025 12:22 pm

Tgt Ion:276 Resp: 935

Ion	Ratio	Lower	Upper
276	100		
274	16.6	0.0	50.4
277	22.2	0.0	52.4

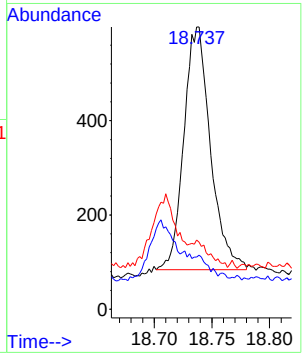


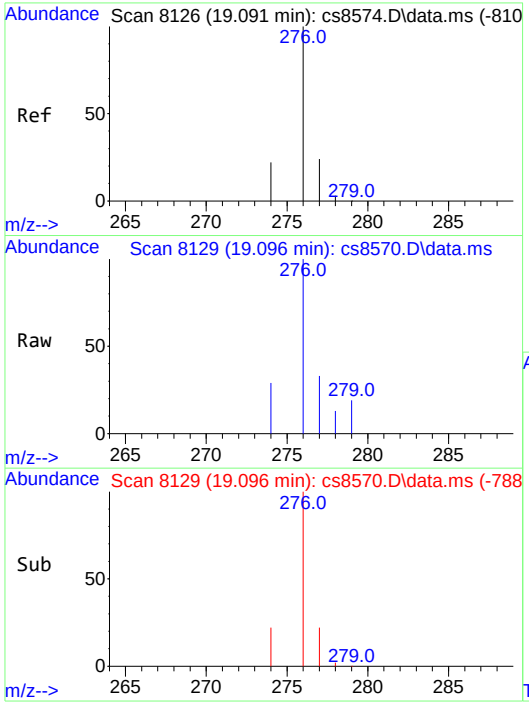


#33
Dibenz[a,h]anthracene
Concen: 7.86 ppb
RT: 18.737 min Scan# 7954
Delta R.T. 0.006 min
Lab File: cs8570.D
Acq: 17 Sep 2025 12:22 pm

Tgt Ion:278 Resp: 825

Ion	Ratio	Lower	Upper
278	100		
274	0.0	0.0	38.4
277	0.0	0.0	37.8

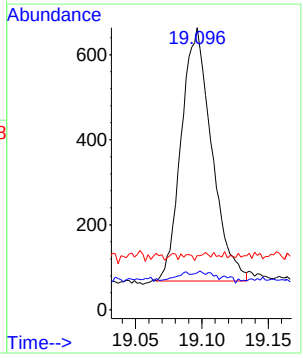




#34
Benzo[g,h,i]perylene
Concen: 8.78 ppb
RT: 19.096 min Scan# 8129
Delta R.T. 0.006 min
Lab File: cs8570.D
Acq: 17 Sep 2025 12:22 pm

Tgt Ion:276 Resp: 947

Ion	Ratio	Lower	Upper
276	100		
278	2.7	0.0	32.6
279	0.0	0.0	30.2



9.5.17

6

Manual Integration Approval Summary

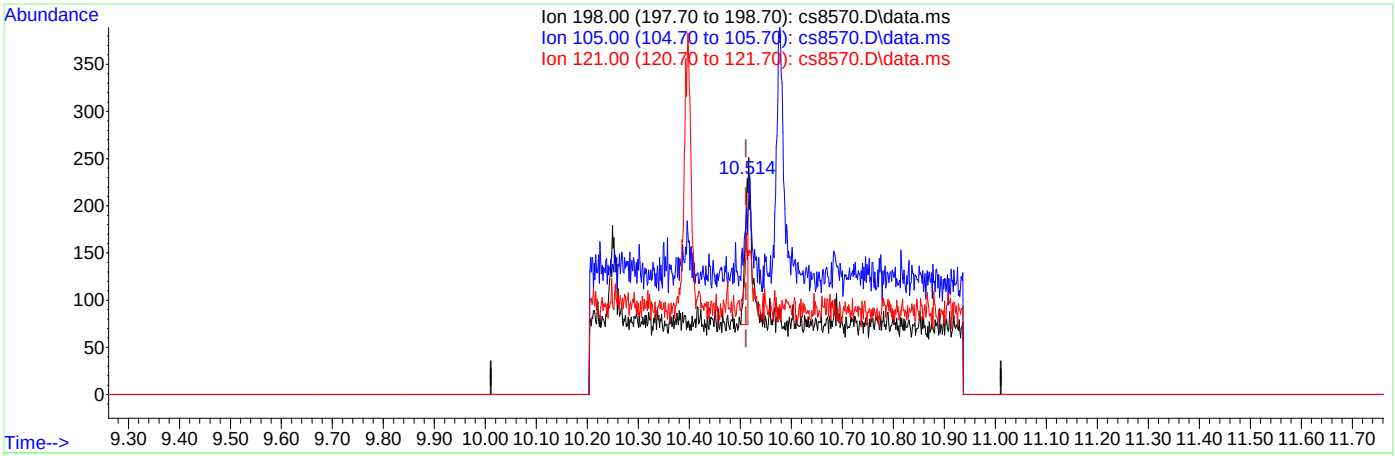
Sample Number: ECS446-IC446
Lab FileID: CS8570.D
Injection Time: 09/17/25 12:22
Method: SW846 8270E BY SIM
Analyst approved: 09/17/25 18:29 Rocquan Salters
Supervisor approved: 09/18/25 10:52 Ying Li

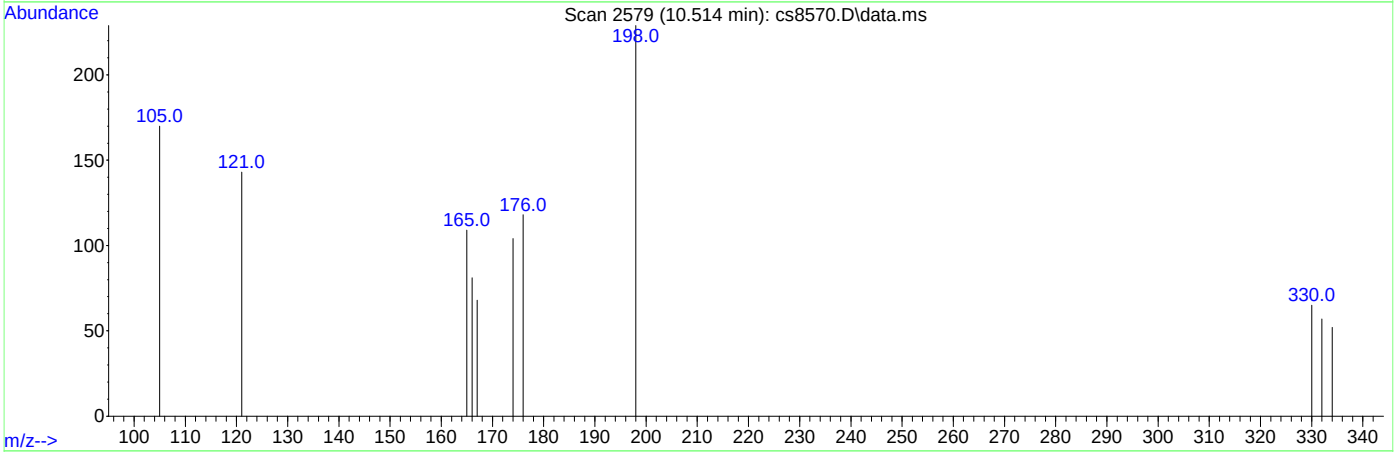
Parameter	CAS	Sig#	R.T. (min.)	Reason
4,6-Dinitro-o-cresol	534-52-1		10.52	Baseline ripple
Pentachlorophenol	87-86-5		11.30	Baseline ripple

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8570.D
Acq On : 17 Sep 2025 12:22 pm
Operator : rocquans
Sample : ic446-0.01
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Sep 17 15:45:45 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 15:40:02 2025
Response via : Initial Calibration





TIC: cs8570.D\data.ms

(16) 4,6-dinitro-2-methylphenol

10.514min (+0.003) 0.00ppb

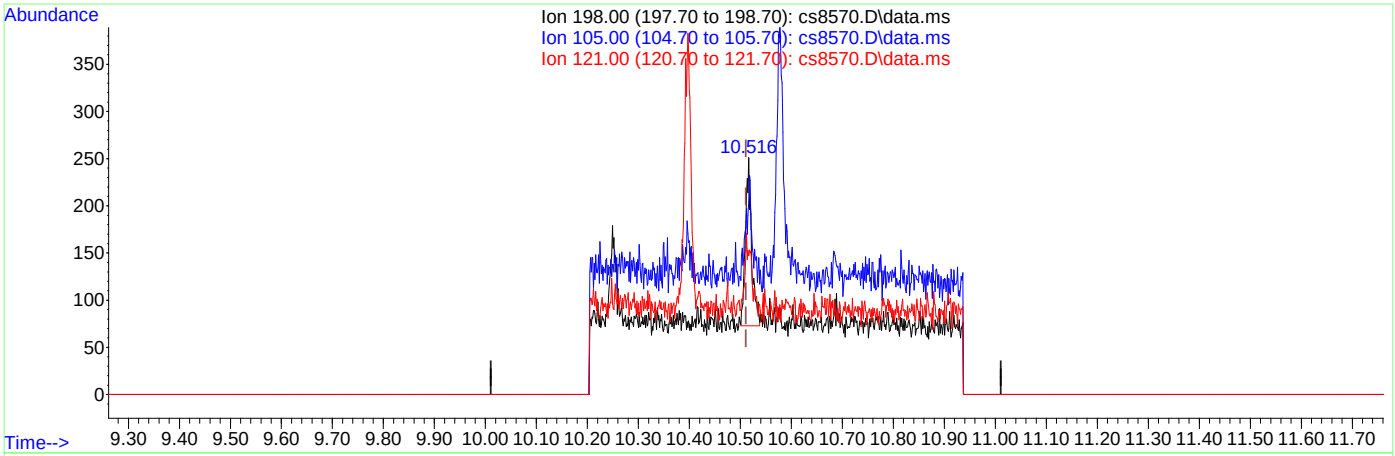
response 68

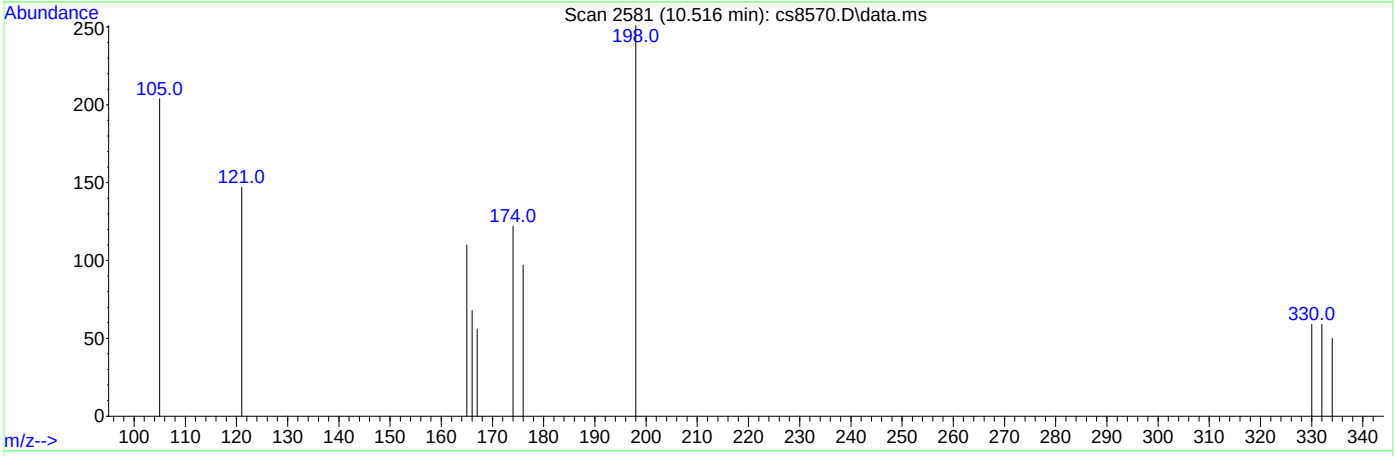
Ion	Exp%	Act%
198.00	100	100
105.00	49.90	17.06#
121.00	39.30	25.29
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8570.D
Acq On : 17 Sep 2025 12:22 pm
Operator : rocquans
Sample : ic446-0.01
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Sep 17 15:45:45 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 15:40:02 2025
Response via : Initial Calibration





TIC: cs8570.D\data.ms

(16) 4,6-dinitro-2-methylphenol

10.516min (+0.006) 0.00ppb m

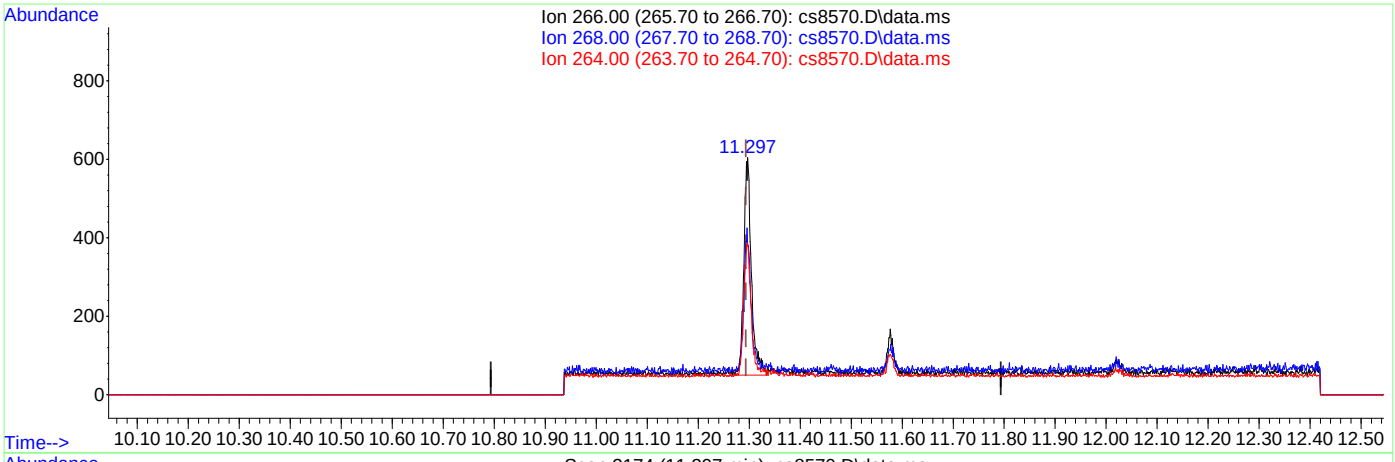
response 148

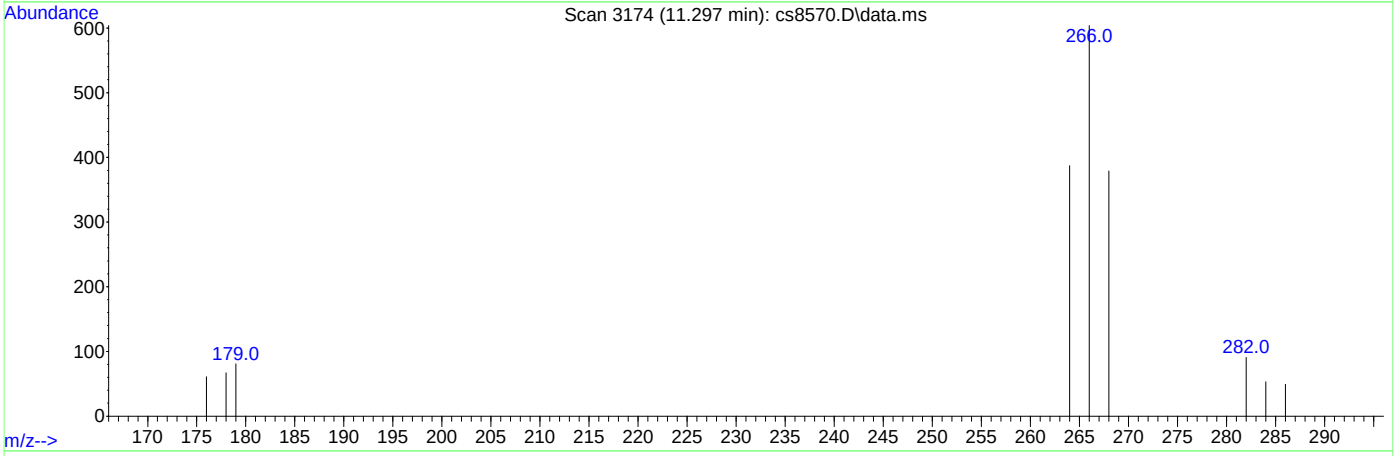
Ion	Exp%	Act%
198.00	100	100
105.00	49.90	81.27#
121.00	39.30	58.57
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8570.D
Acq On : 17 Sep 2025 12:22 pm
Operator : rocquans
Sample : ic446-0.01
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Sep 17 16:21:38 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration





TIC: cs8570.D\data.ms

(20) Pentachlorophenol (t)

11.297min (+0.003) 26.49ppb m

response 567

Ion	Exp%	Act%
266.00	100	100
268.00	63.10	56.08
264.00	63.00	40.04#
0.00	0.00	0.00

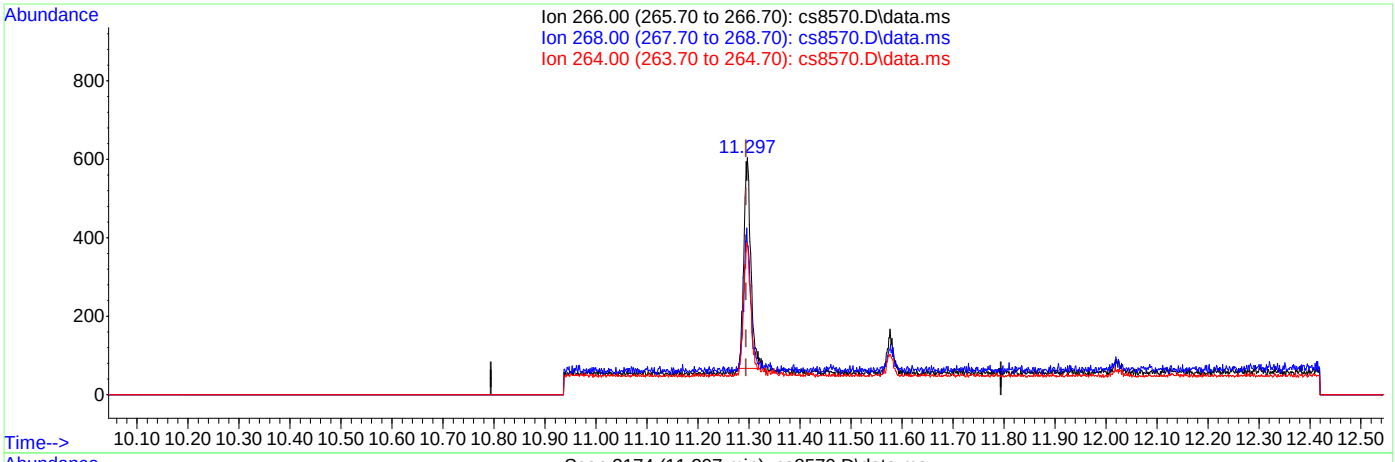
9.5.17.4

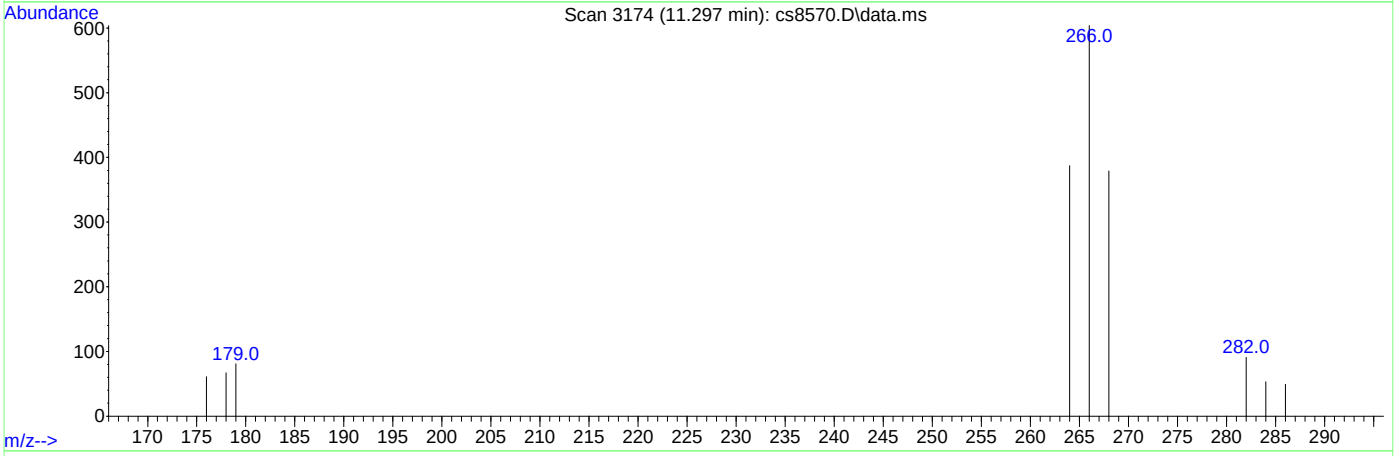
9

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS445\
Data File : cs8570.D
Acq On : 17 Sep 2025 12:22 pm
Operator : rocquans
Sample : ic446-0.01
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Sep 18 10:08:35 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 17:26:33 2025
Response via : Initial Calibration





TIC: cs8570.D\data.ms

(20) Pentachlorophenol (t)

11.297min (+0.003) 44.95ppb

response 500

Ion	Exp%	Act%
266.00	100	100
268.00	63.10	63.60
264.00	63.00	45.40
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Ying Li
09/18/25 10:52

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8571.D
Acq On : 17 Sep 2025 12:48 pm
Operator : rocquans
Sample : ic446-0.02
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Sep 17 16:21:40 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1-Methylnaphthalene-d10	9.077	150	57502	800.00	ppb		0.00
11) Fluorene-d10	10.396	176	74454	800.00	ppb		0.00
18) Fluoranthene-d10	12.986	212	114136	800.00	ppb		0.00
28) Benzo(a)pyrene-d12	17.077	264	61176	800.00	ppb		0.00
System Monitoring Compounds							
3) 2-Fluorophenol	6.267	112	22583	375.74	ppb		0.00
Spiked Amount 10000.000			Recovery =	3.76%			
4) Phenol-d5	7.192	99	26643	383.30	ppb		0.00
Spiked Amount 10000.000			Recovery =	3.83%			
6) Nitrobenzene-d5	7.887	82	22231	393.84	ppb		0.00
Spiked Amount 10000.000			Recovery =	3.94%			
12) 2-Fluorobiphenyl	9.330	172	53421	429.42	ppb		0.00
Spiked Amount 10000.000			Recovery =	4.29%			
17) 2,4,6-Tribromophenol	10.687	330	4706	333.90	ppb		0.00
Spiked Amount 10000.000			Recovery =	3.34%			
25) Terphenyl-d14	13.589	244	34587	399.31	ppb		0.00
Spiked Amount 10000.000			Recovery =	3.99%			
Target Compounds							Qvalue
2) 1,4-Dioxane	4.597	88	454m	17.04	ppb		
5) Phenol	7.202	94	7648	97.21	ppb		100
7) Naphthalene	8.467	128	4129	20.09	ppb		100
8) Hexachlorobutadiene	8.622	225	616	20.49	ppb		97
9) 2-Methylnaphthalene	9.018	141	2261	19.88	ppb		98
10) 1-Methylnaphthalene	9.104	141	2149	19.62	ppb		96
13) Acenaphthylene	9.778	152	3533	18.67	ppb		99
14) Acenaphthene	9.944	153	2551	19.73	ppb		99
15) Fluorene	10.424	166	2867	19.63	ppb		99
16) 4,6-dinitro-2-methylph...	10.516	198	472m	36.09	ppb		
19) Hexachlorobenzene	11.096	284	767	19.74	ppb		98
20) Pentachlorophenol	11.295	266	1080	54.32	ppb	#	81
21) Phenanthrene	11.464	178	3966	19.04	ppb		98
22) Anthracene	11.517	178	3540	17.93	ppb		96
23) Fluoranthene	13.010	202	4211	19.31	ppb		98
24) Pyrene	13.320	202	4204	18.97	ppb		99
26) Benzo[a]anthracene	15.102	228	2992	18.52	ppb		99
27) Chrysene	15.163	228	3051	18.76	ppb		99
29) Benzo[b]fluoranthene	16.679	252	2650	19.44	ppb		99
30) Benzo[k]fluoranthene	16.711	252	2478	18.72	ppb		93
31) Benzo[a]pyrene	17.107	252	2488	19.79	ppb		96
32) Indeno[1,2,3-cd]pyrene	18.704	276	1927m	18.77	ppb		
33) Dibenz[a,h]anthracene	18.735	278	1819m	18.73	ppb		
34) Benzo[g,h,i]perylene	19.093	276	1905	19.09	ppb		98

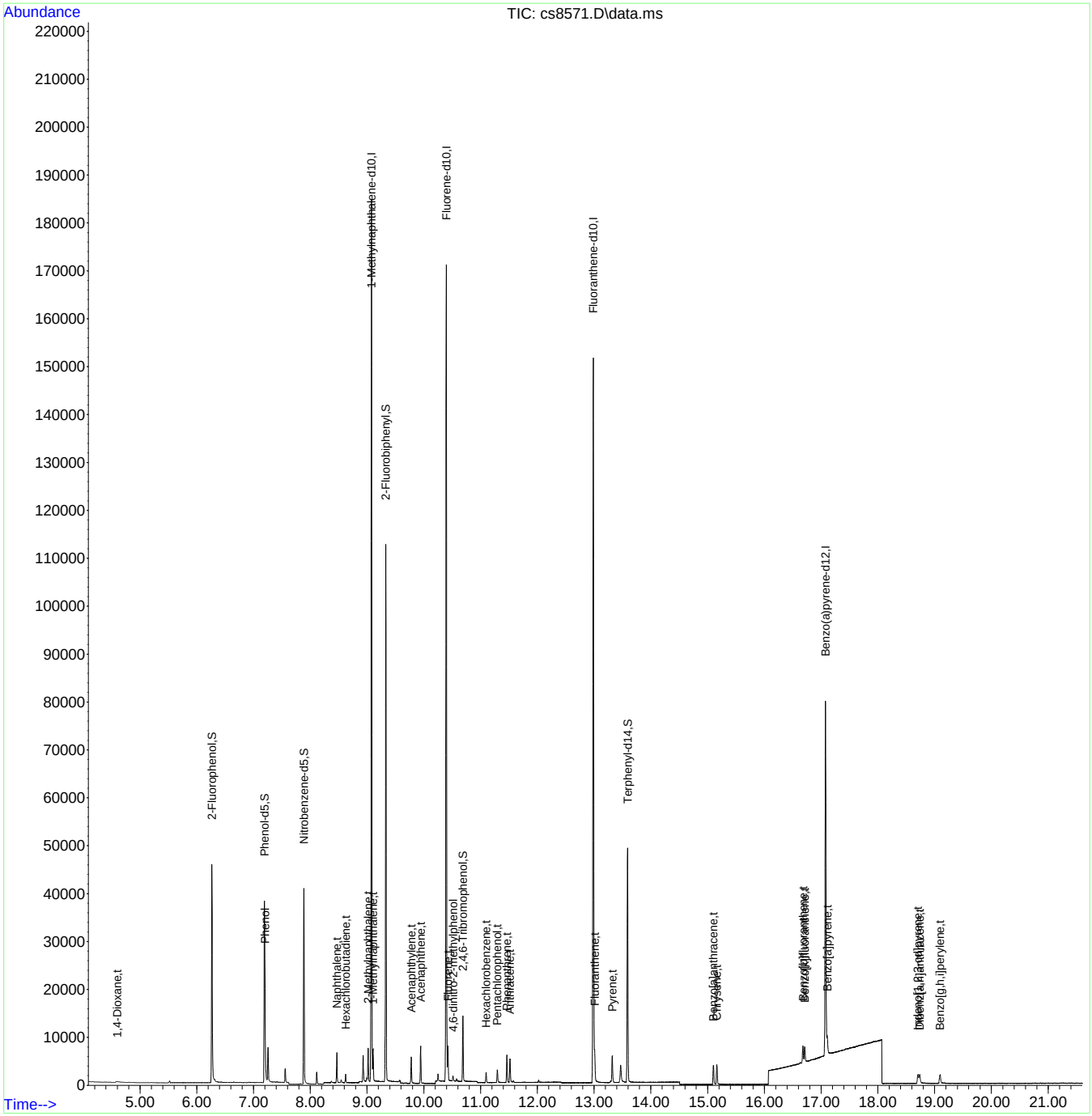
(#) = qualifier out of range (m) = manual integration (+) = signals summed

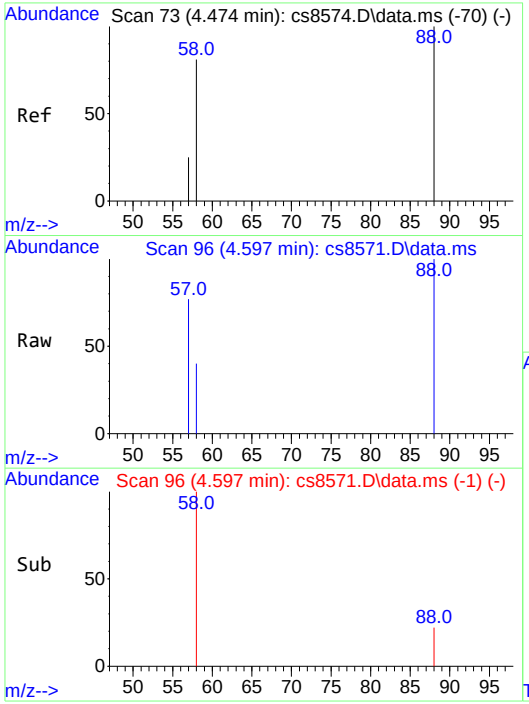
9.5.18
9

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8571.D
Acq On : 17 Sep 2025 12:48 pm
Operator : rocquans
Sample : ic446-0.02
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Sep 17 16:21:40 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration

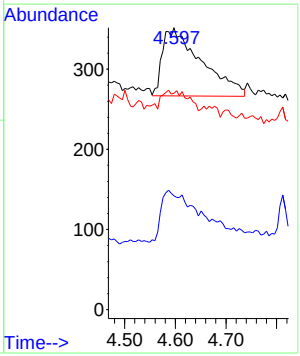


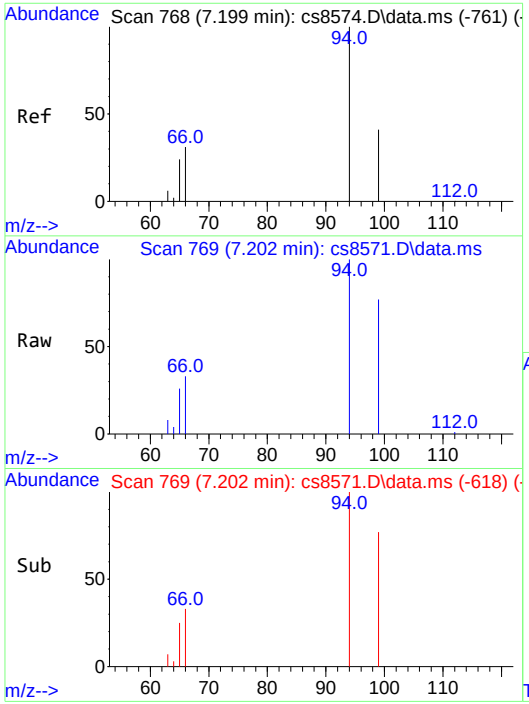


#2
1,4-Dioxane
Concen: 17.04 ppb m
RT: 4.597 min Scan# 96
Delta R.T. 0.123 min
Lab File: cs8571.D
Acq: 17 Sep 2025 12:48 pm

Tgt Ion: 88 Resp: 454

Ion	Ratio	Lower	Upper
88	100		
58	40.3	61.3	101.3#
57	76.7	5.8	45.8#

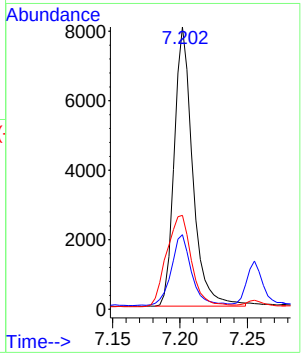


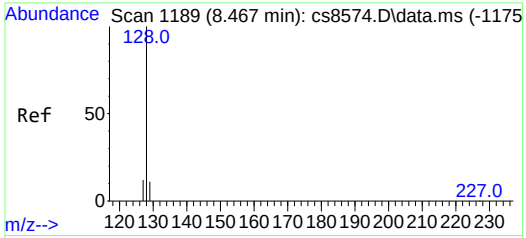


#5
Phenol
Concen: 97.21 ppb
RT: 7.202 min Scan# 769
Delta R.T. 0.003 min
Lab File: cs8571.D
Acq: 17 Sep 2025 12:48 pm

Tgt Ion: 94 Resp: 7648

Ion	Ratio	Lower	Upper
94	100		
65	21.4	17.0	25.4
66	30.8	24.6	37.0

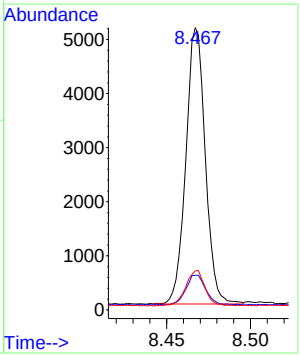


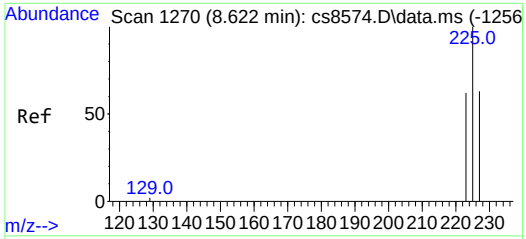


#7
Naphthalene
Concen: 20.09 ppb
RT: 8.467 min Scan# 1189
Delta R.T. -0.000 min
Lab File: cs8571.D
Acq: 17 Sep 2025 12:48 pm

Tgt Ion:128 Resp: 4129

Ion	Ratio	Lower	Upper
128	100		
129	10.6	0.0	40.8
127	12.6	0.0	42.4

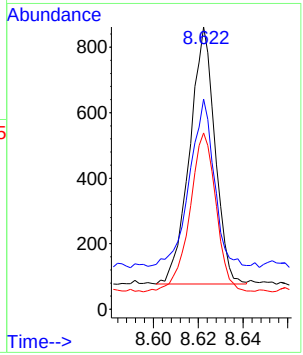


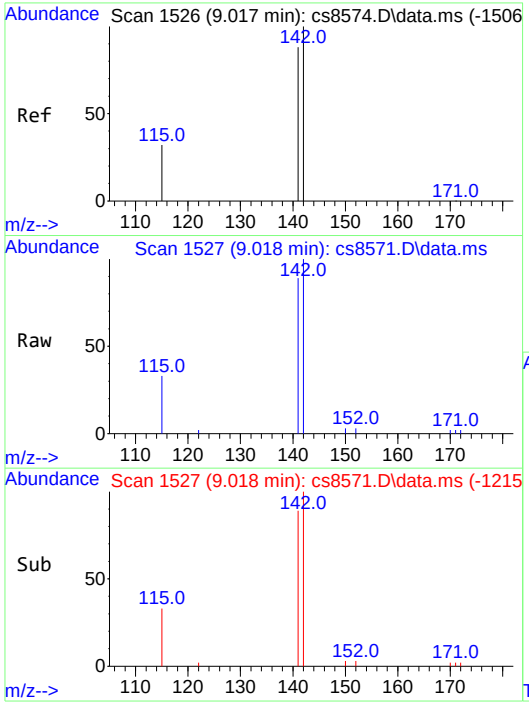


#8
Hexachlorobutadiene
Concen: 20.49 ppb
RT: 8.622 min Scan# 1270
Delta R.T. -0.000 min
Lab File: cs8571.D
Acq: 17 Sep 2025 12:48 pm

Tgt Ion:225 Resp: 616

Ion	Ratio	Lower	Upper
225	100		
223	64.7	31.8	91.8
227	61.5	32.6	92.6

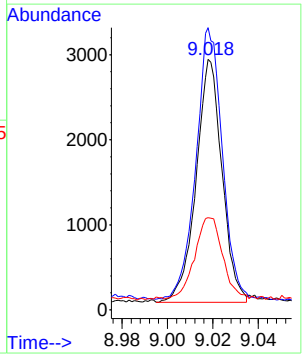


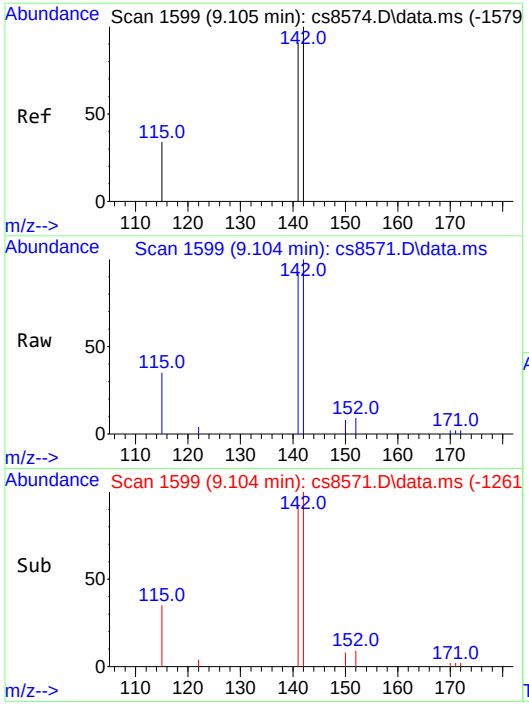


#9
2-Methylnaphthalene
Concen: 19.88 ppb
RT: 9.018 min Scan# 1527
Delta R.T. 0.001 min
Lab File: cs8571.D
Acq: 17 Sep 2025 12:48 pm

Tgt Ion:141 Resp: 2261

Ion	Ratio	Lower	Upper
141	100		
142	111.8	83.1	143.1
115	32.6	5.8	65.8

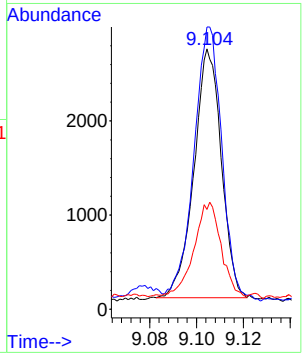


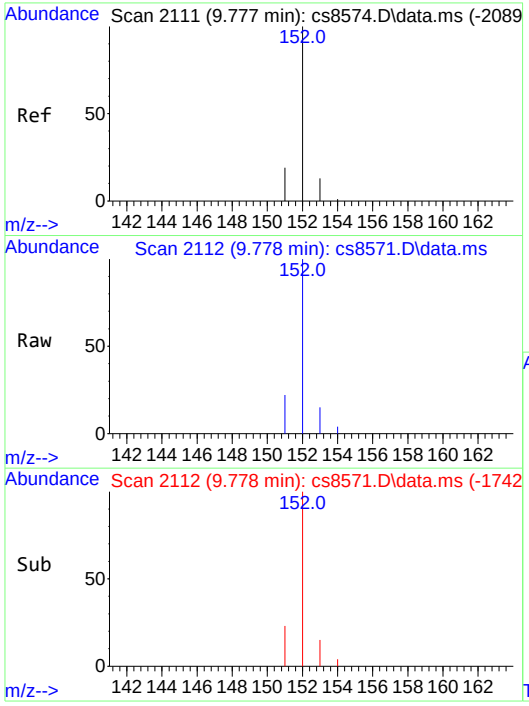


#10
1-Methylnaphthalene
Concen: 19.62 ppb
RT: 9.104 min Scan# 1599
Delta R.T. -0.000 min
Lab File: cs8571.D
Acq: 17 Sep 2025 12:48 pm

Tgt Ion:141 Resp: 2149

Ion	Ratio	Lower	Upper
141	100		
142	106.4	80.8	140.8
115	34.5	7.2	67.2

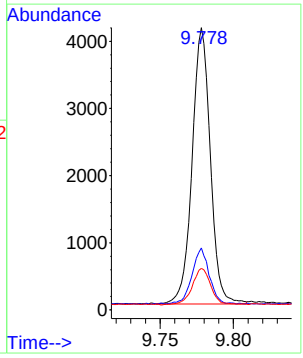


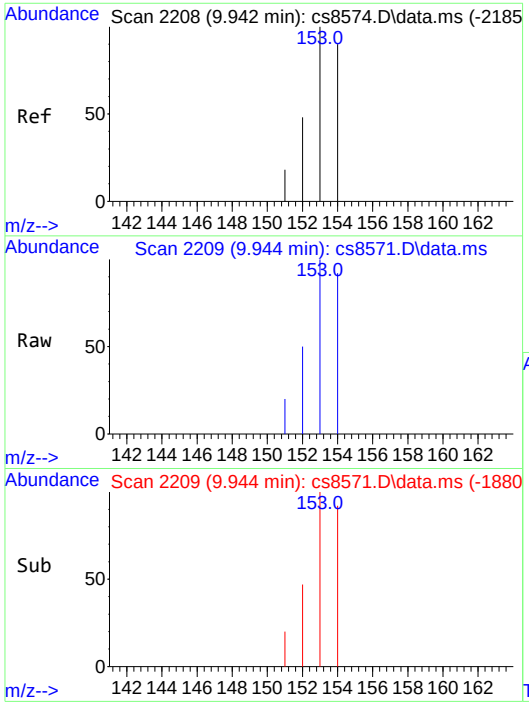


#13
Acenaphthylene
Concen: 18.67 ppb
RT: 9.778 min Scan# 2112
Delta R.T. 0.002 min
Lab File: cs8571.D
Acq: 17 Sep 2025 12:48 pm

Tgt Ion:152 Resp: 3533

Ion	Ratio	Lower	Upper
152	100		
151	20.2	0.0	49.3
153	13.0	0.0	42.7

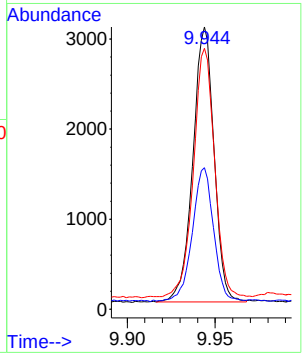




#14
Acenaphthene
Concen: 19.73 ppb
RT: 9.944 min Scan# 2209
Delta R.T. 0.002 min
Lab File: cs8571.D
Acq: 17 Sep 2025 12:48 pm

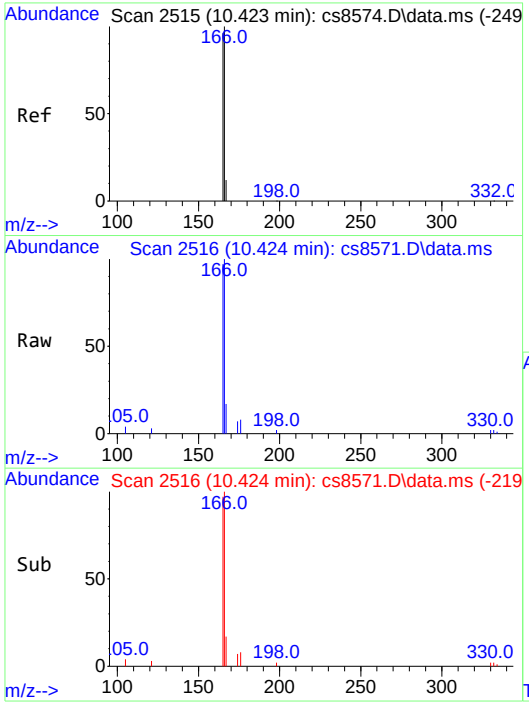
Tgt Ion:153 Resp: 2551

Ion	Ratio	Lower	Upper
153	100		
152	48.5	17.7	77.7
154	90.4	59.5	119.5



9.5.18

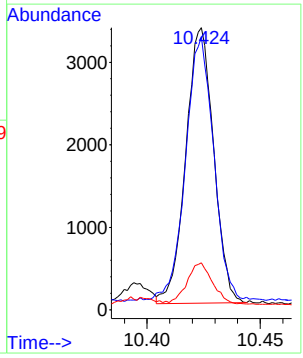
6

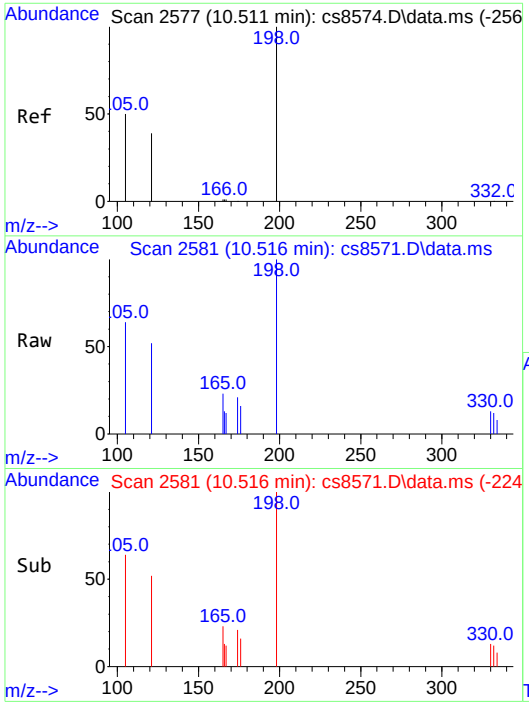


#15
Fluorene
Concen: 19.63 ppb
RT: 10.424 min Scan# 2516
Delta R.T. 0.001 min
Lab File: cs8571.D
Acq: 17 Sep 2025 12:48 pm

Tgt Ion:166 Resp: 2867

Ion	Ratio	Lower	Upper
166	100		
165	95.1	65.7	125.7
167	14.7	0.0	42.4

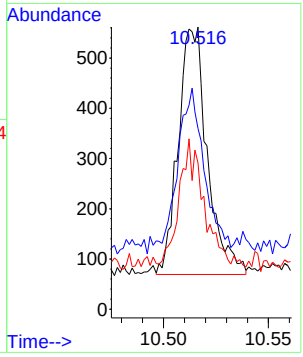


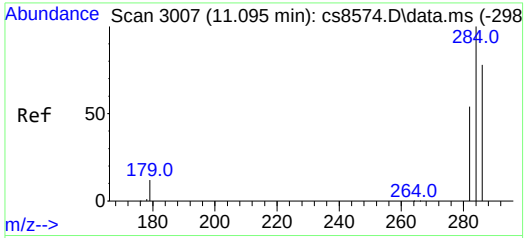


#16
4,6-dinitro-2-methylphenol
Concen: 36.09 ppb m
RT: 10.516 min Scan# 2581
Delta R.T. 0.005 min
Lab File: cs8571.D
Acq: 17 Sep 2025 12:48 pm

Tgt Ion:198 Resp: 472

Ion	Ratio	Lower	Upper
198	100		
105	64.1	29.9	69.9
121	51.8	19.3	59.3

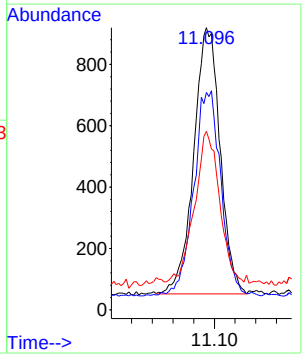


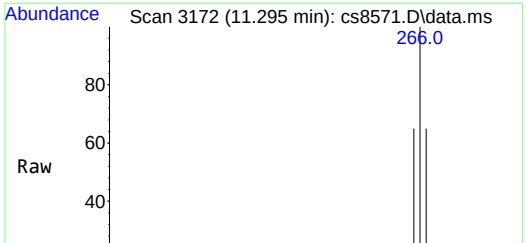


#19
Hexachlorobenzene
Concen: 19.74 ppb
RT: 11.096 min Scan# 3008
Delta R.T. 0.001 min
Lab File: cs8571.D
Acq: 17 Sep 2025 12:48 pm

Tgt Ion:284 Resp: 767

Ion	Ratio	Lower	Upper
284	100		
286	75.9	48.0	108.0
282	54.5	23.8	83.8

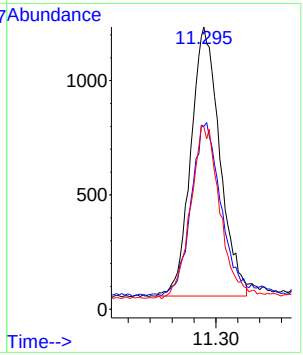


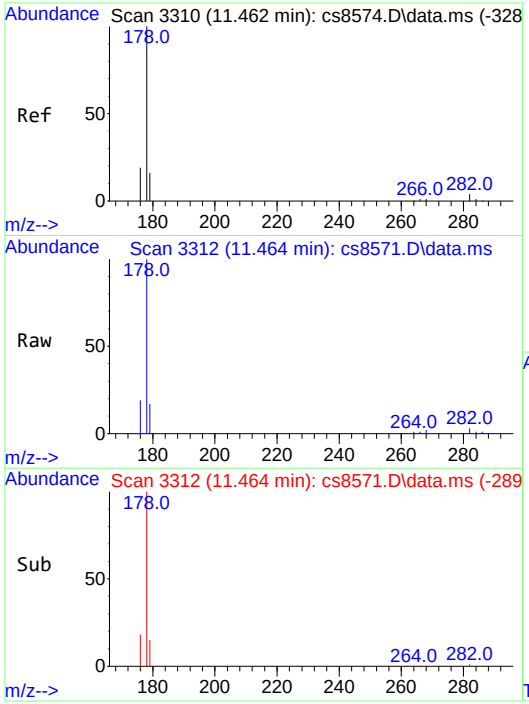


#20
Pentachlorophenol
Concen: 54.32 ppb
RT: 11.295 min Scan# 3172
Delta R.T. 0.001 min
Lab File: cs8571.D
Acq: 17 Sep 2025 12:48 pm

Tgt Ion:266 Resp: 1080

Ion	Ratio	Lower	Upper
266	100		
268	65.9	43.1	83.1
264	36.9	43.0	83.0#

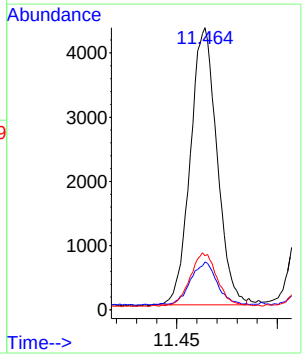


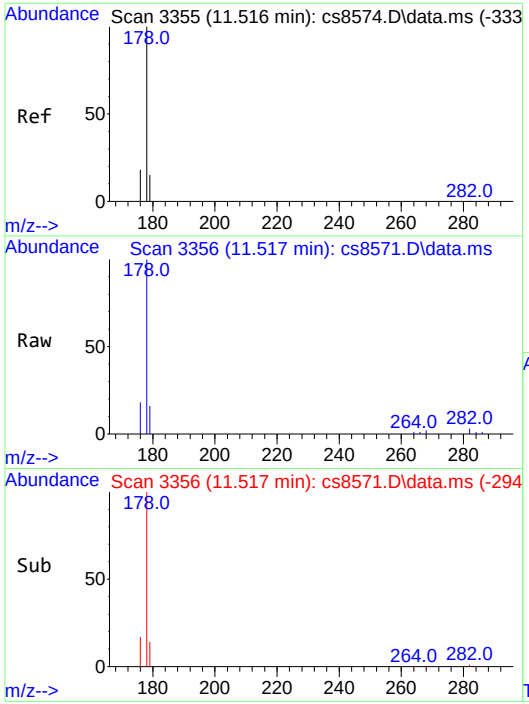


#21
Phenanthrene
Concen: 19.04 ppb
RT: 11.464 min Scan# 3312
Delta R.T. 0.002 min
Lab File: cs8571.D
Acq: 17 Sep 2025 12:48 pm

Tgt Ion:178 Resp: 3966

Ion	Ratio	Lower	Upper
178	100		
179	15.3	0.0	45.7
176	17.9	0.0	49.2

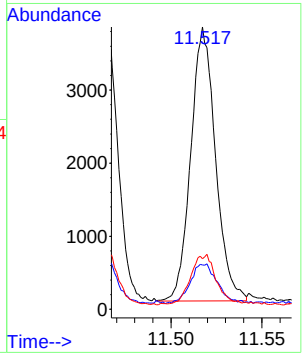


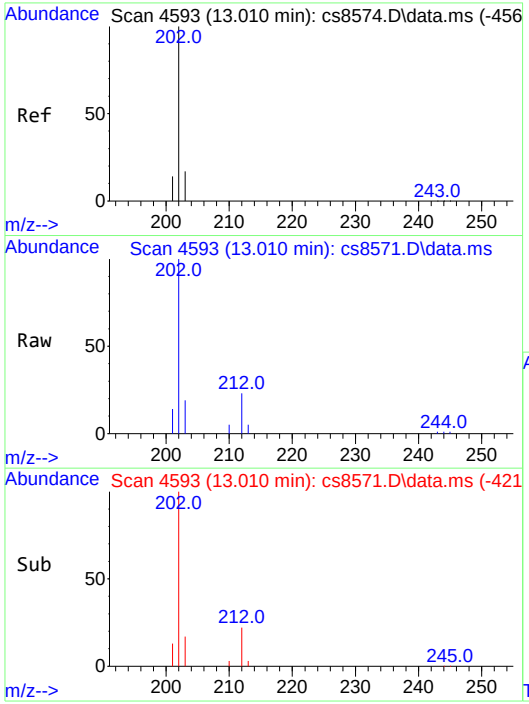


#22
Anthracene
Concen: 17.93 ppb
RT: 11.517 min Scan# 3356
Delta R.T. 0.001 min
Lab File: cs8571.D
Acq: 17 Sep 2025 12:48 pm

Tgt Ion:178 Resp: 3540

Ion	Ratio	Lower	Upper
178	100		
179	13.4	0.0	45.2
176	16.6	0.0	48.4

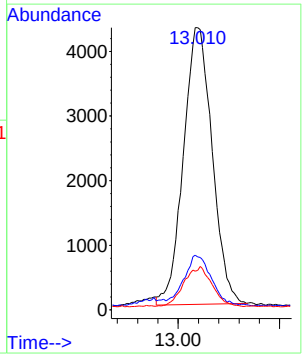


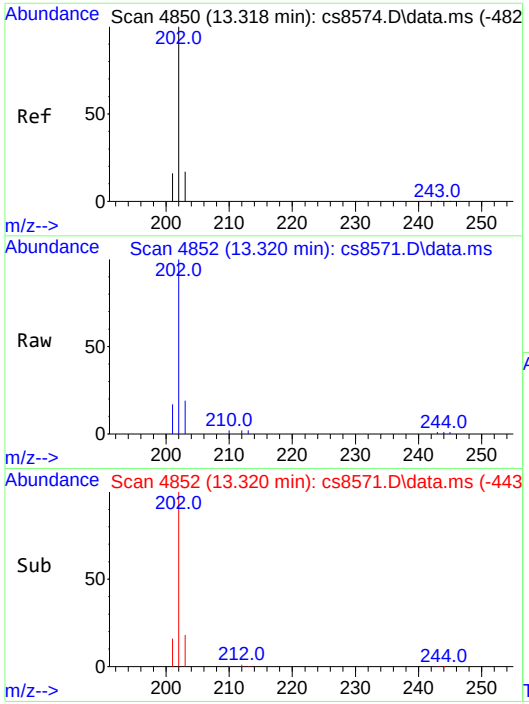


#23
Fluoranthene
Concen: 19.31 ppb
RT: 13.010 min Scan# 4593
Delta R.T. -0.000 min
Lab File: cs8571.D
Acq: 17 Sep 2025 12:48 pm

Tgt Ion:202 Resp: 4211

Ion	Ratio	Lower	Upper
202	100		
203	16.8	0.0	47.2
201	13.1	0.0	44.0

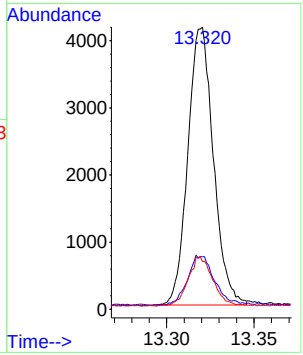


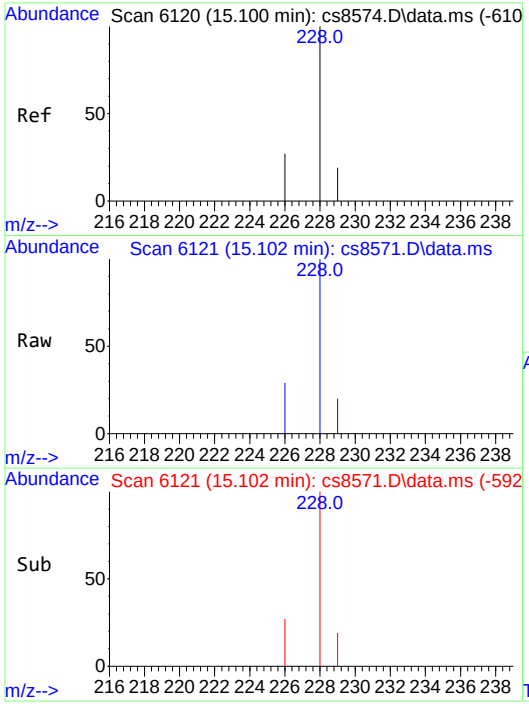


#24
Pyrene
Concen: 18.97 ppb
RT: 13.320 min Scan# 4852
Delta R.T. 0.002 min
Lab File: cs8571.D
Acq: 17 Sep 2025 12:48 pm

Tgt Ion:202 Resp: 4204

Ion	Ratio	Lower	Upper
202	100		
203	17.1	0.0	47.1
201	15.8	0.0	46.4

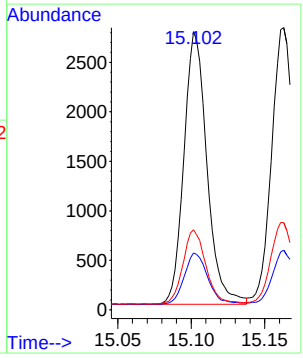


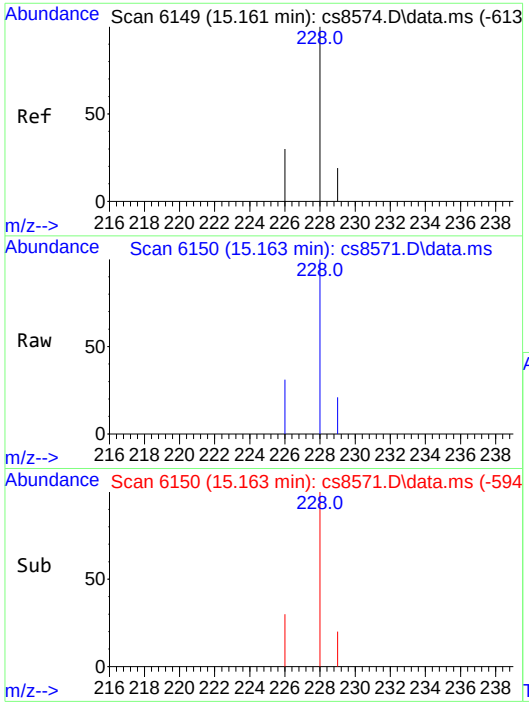


#26
Benzo[a]anthracene
Concen: 18.52 ppb
RT: 15.102 min Scan# 6121
Delta R.T. 0.002 min
Lab File: cs8571.D
Acq: 17 Sep 2025 12:48 pm

Tgt Ion:228 Resp: 2992

Ion	Ratio	Lower	Upper
228	100		
229	18.8	0.0	49.1
226	27.3	0.0	57.0

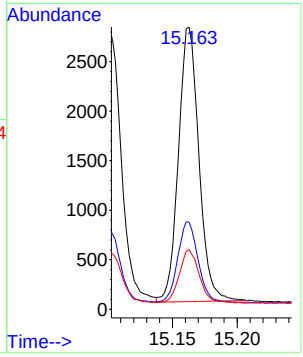


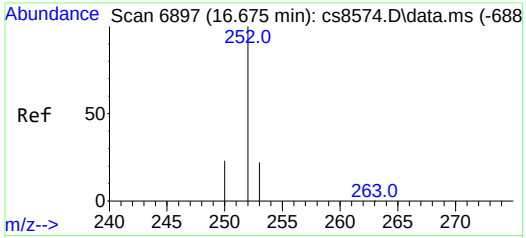


#27
Chrysene
Concen: 18.76 ppb
RT: 15.163 min Scan# 6150
Delta R.T. 0.002 min
Lab File: cs8571.D
Acq: 17 Sep 2025 12:48 pm

Tgt Ion:228 Resp: 3051

Ion	Ratio	Lower	Upper
228	100		
226	29.3	0.0	59.6
229	19.6	0.0	49.1

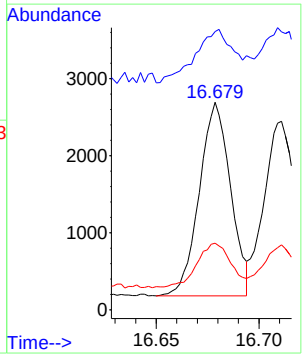


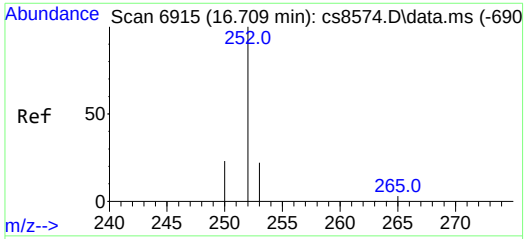


#29
Benzo[b]fluoranthene
Concen: 19.44 ppb
RT: 16.679 min Scan# 6899
Delta R.T. 0.004 min
Lab File: cs8571.D
Acq: 17 Sep 2025 12:48 pm

Tgt Ion:252 Resp: 2650

Ion	Ratio	Lower	Upper
252	100		
253	21.4	0.0	51.5
250	22.3	0.0	53.4

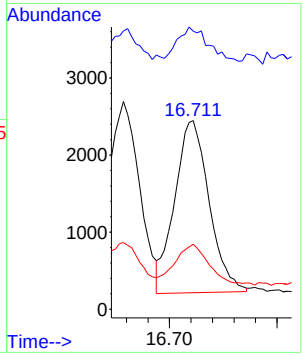


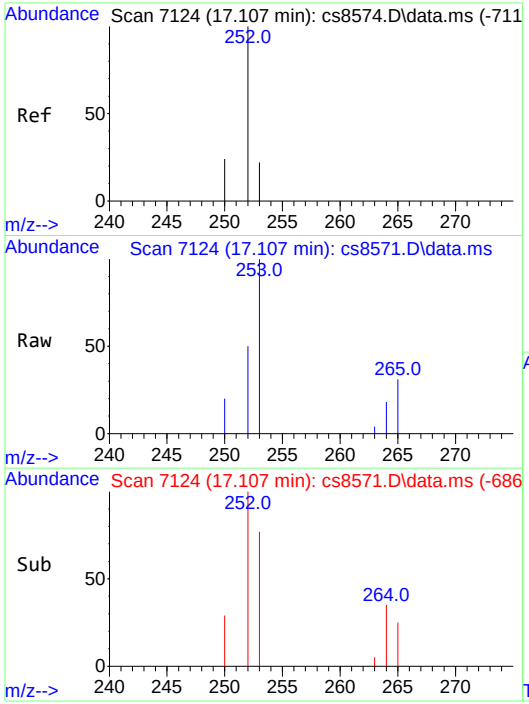


#30
Benzo[k]fluoranthene
Concen: 18.72 ppb
RT: 16.711 min Scan# 6916
Delta R.T. 0.002 min
Lab File: cs8571.D
Acq: 17 Sep 2025 12:48 pm

Tgt Ion:252 Resp: 2478

Ion	Ratio	Lower	Upper
252	100		
253	15.2	0.0	51.3
250	23.5	0.0	53.2

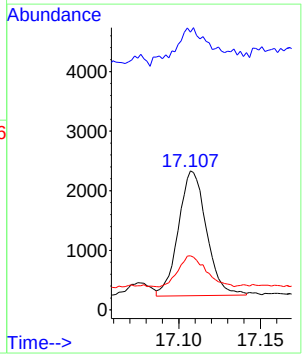


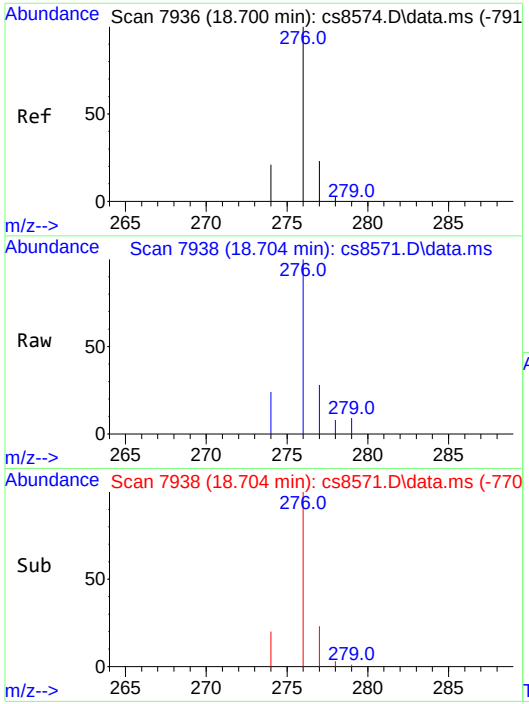


#31
Benzo[a]pyrene
Concen: 19.79 ppb
RT: 17.107 min Scan# 7124
Delta R.T. -0.000 min
Lab File: cs8571.D
Acq: 17 Sep 2025 12:48 pm

Tgt Ion:252 Resp: 2488

Ion	Ratio	Lower	Upper
252	100		
253	18.6	0.0	51.3
250	25.0	0.0	53.7

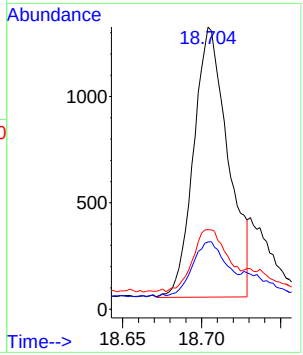


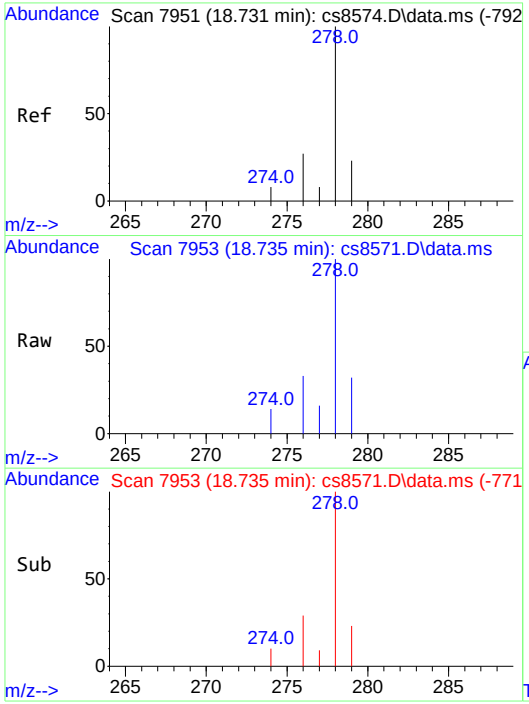


#32
Indeno[1,2,3-cd]pyrene
Concen: 18.77 ppb m
RT: 18.704 min Scan# 7938
Delta R.T. 0.004 min
Lab File: cs8571.D
Acq: 17 Sep 2025 12:48 pm

Tgt Ion:276 Resp: 1927

Ion	Ratio	Lower	Upper
276	100		
274	23.8	0.0	50.4
277	28.2	0.0	52.4

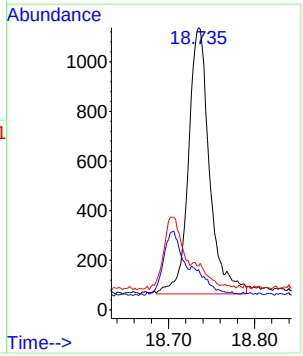


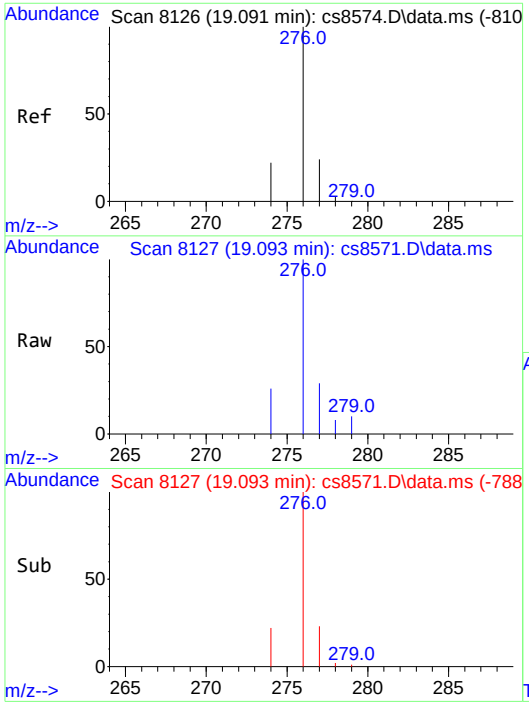


#33
Dibenz[a,h]anthracene
Concen: 18.73 ppb m
RT: 18.735 min Scan# 7953
Delta R.T. 0.004 min
Lab File: cs8571.D
Acq: 17 Sep 2025 12:48 pm

Tgt Ion:278 Resp: 1819

Ion	Ratio	Lower	Upper
278	100		
274	14.3	0.0	38.4
277	15.6	0.0	37.8

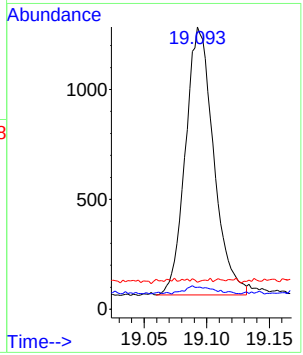




#34
Benzo[g,h,i]perylene
Concen: 19.09 ppb
RT: 19.093 min Scan# 8127
Delta R.T. 0.002 min
Lab File: cs8571.D
Acq: 17 Sep 2025 12:48 pm

Tgt Ion:276 Resp: 1905

Ion	Ratio	Lower	Upper
276	100		
278	1.8	0.0	32.6
279	0.0	0.0	30.2



Manual Integration Approval Summary

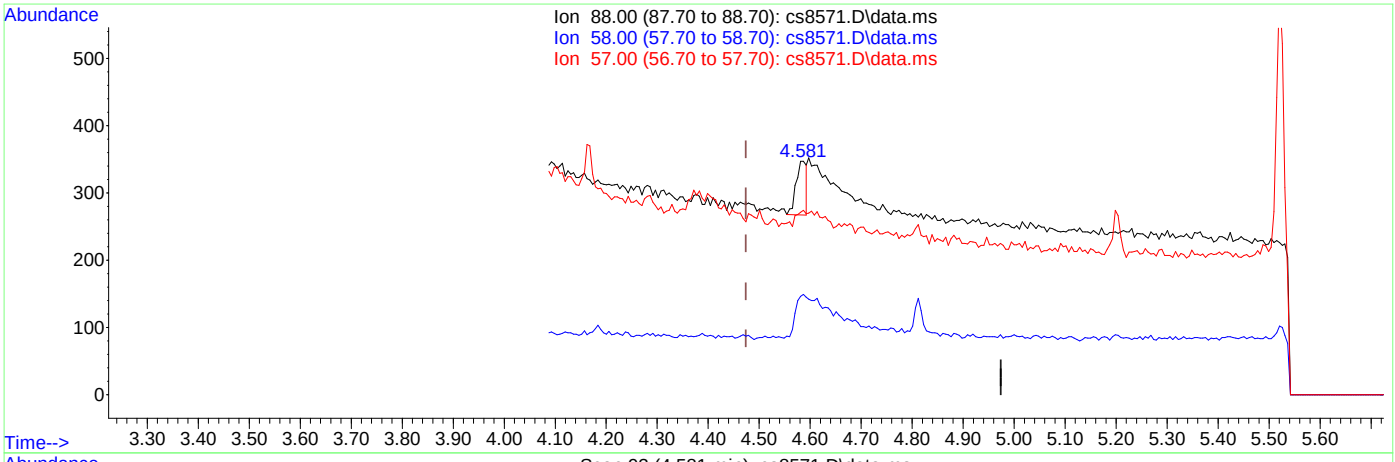
Sample Number: ECS446-IC446
Lab FileID: CS8571.D
Injection Time: 09/17/25 12:48
Method: SW846 8270E BY SIM
Analyst approved: 09/17/25 18:29 Rocquan Salters
Supervisor approved: 09/18/25 10:52 Ying Li

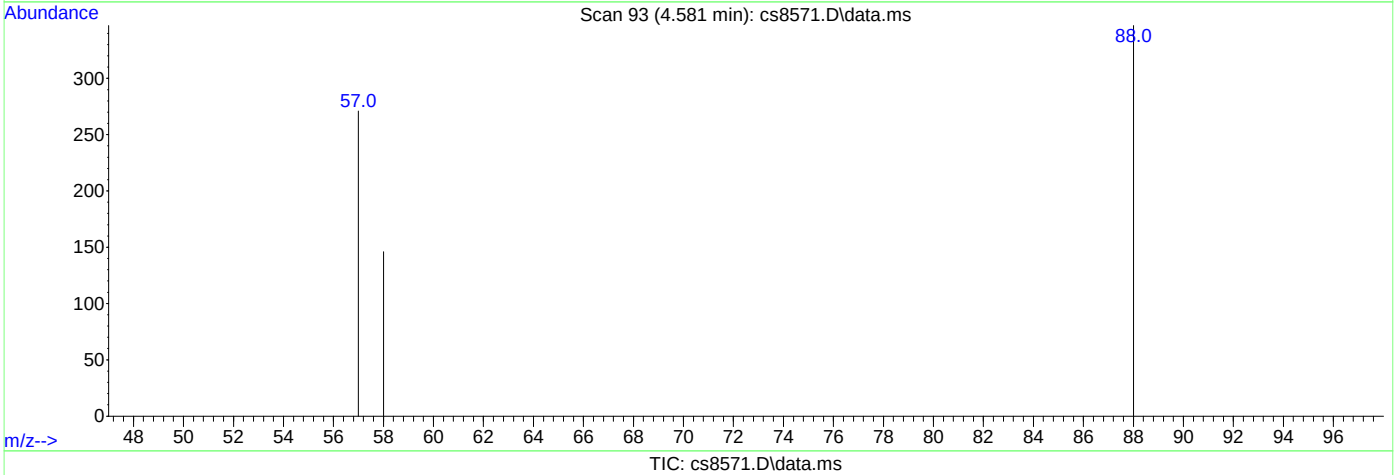
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,4-Dioxane	123-91-1		4.60	Baseline ripple
4,6-Dinitro-o-cresol	534-52-1		10.52	Baseline ripple
Indeno(1,2,3-cd)pyrene	193-39-5		18.70	Baseline ripple
Dibenzo(a,h)anthracene	53-70-3		18.73	Baseline ripple

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8571.D
Acq On : 17 Sep 2025 12:48 pm
Operator : rocquans
Sample : ic446-0.02
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Sep 17 15:45:50 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 15:40:02 2025
Response via : Initial Calibration





TIC: cs8571.D\data.ms

(2) 1,4-Dioxane (t)

4.581min (+0.107) 4.20ppb

response 112

Ion	Exp%	Act%
88.00	100	100
58.00	81.30	70.59
57.00	25.80	21.18
0.00	0.00	0.00

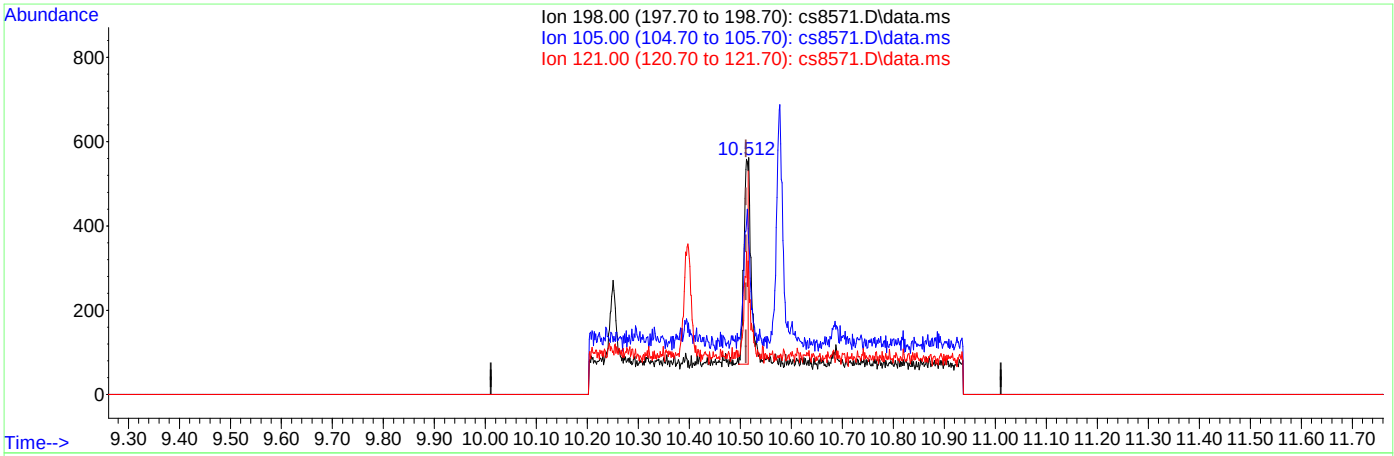
9.5.18.2

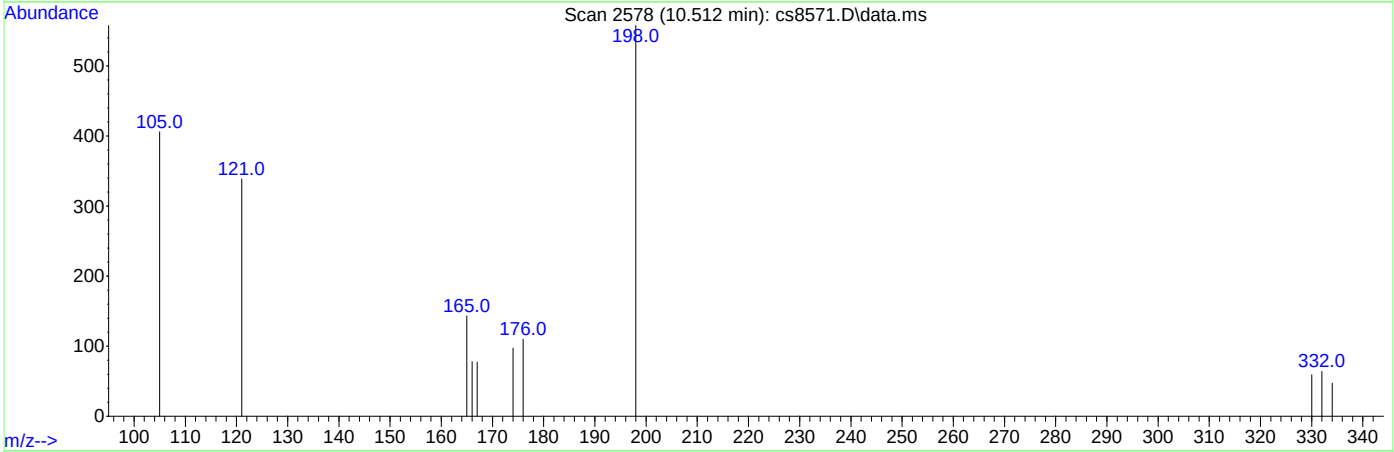
9

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8571.D
Acq On : 17 Sep 2025 12:48 pm
Operator : rocquans
Sample : ic446-0.02
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Sep 17 15:45:50 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 15:40:02 2025
Response via : Initial Calibration





TIC: cs8571.D\data.ms

(16) 4,6-dinitro-2-methylphenol

10.512min (+0.001) 0.00ppb

response 278

Ion	Exp%	Act%
198.00	100	100
105.00	49.90	55.17
121.00	39.30	52.63
0.00	0.00	0.00

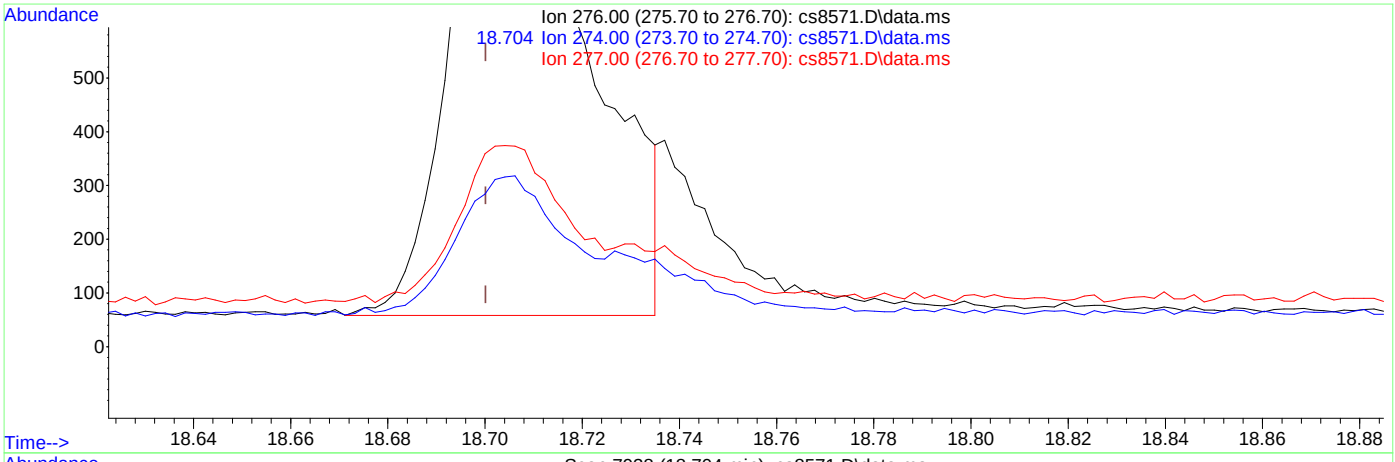
9.5.18.3

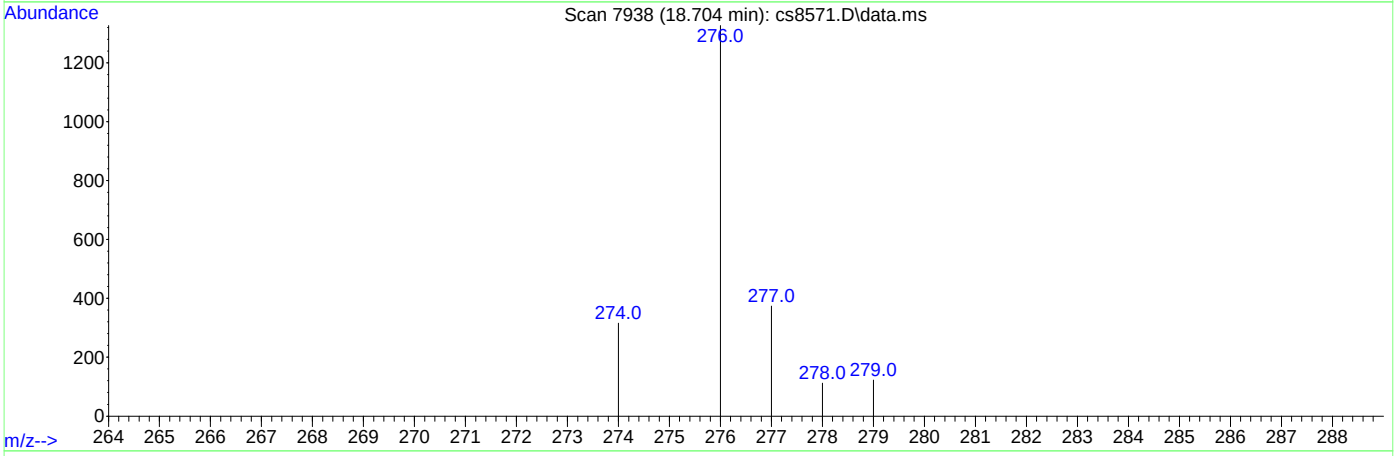
9

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8571.D
Acq On : 17 Sep 2025 12:48 pm
Operator : rocquans
Sample : ic446-0.02
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Sep 17 15:45:50 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 15:40:02 2025
Response via : Initial Calibration





TIC: cs8571.D\data.ms

(32) Indeno[1,2,3-cd]pyrene (t)

18.704min (+0.004) 19.97ppb

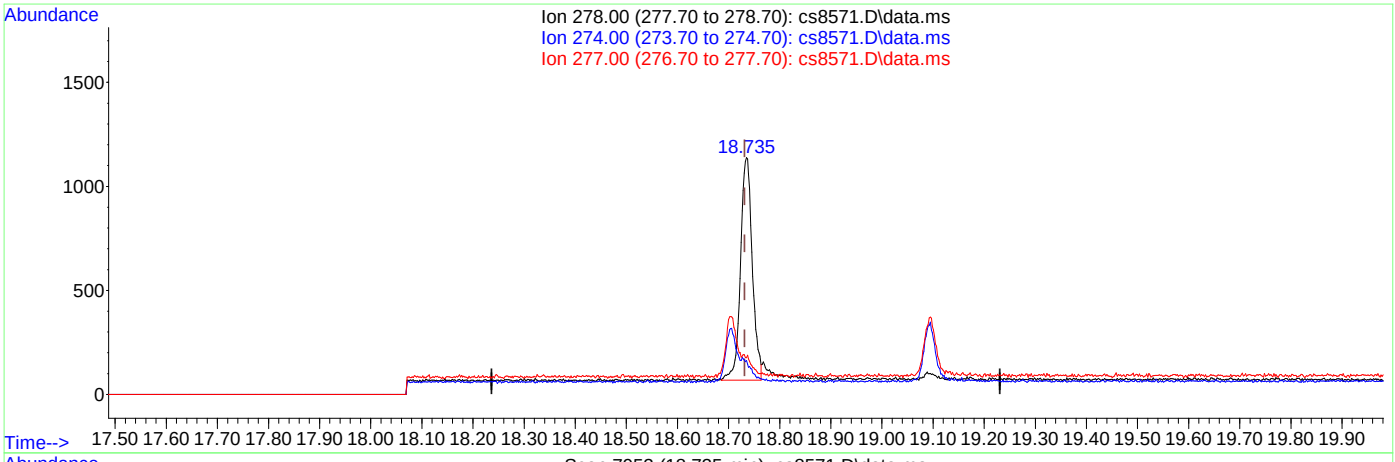
response 2050

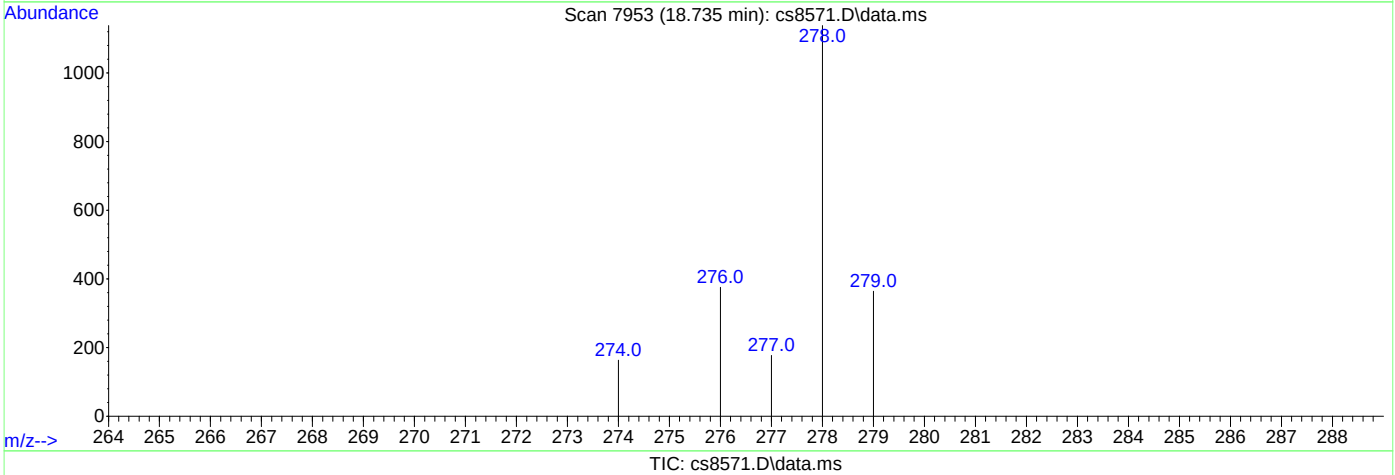
Ion	Exp%	Act%
276.00	100	100
274.00	20.40	18.46
277.00	22.40	21.93
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8571.D
Acq On : 17 Sep 2025 12:48 pm
Operator : rocquans
Sample : ic446-0.02
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Sep 17 15:45:50 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 15:40:02 2025
Response via : Initial Calibration





TIC: cs8571.D\data.ms

(33) Dibenz[a,h]anthracene (t)

18.735min (+0.004) 17.69ppb

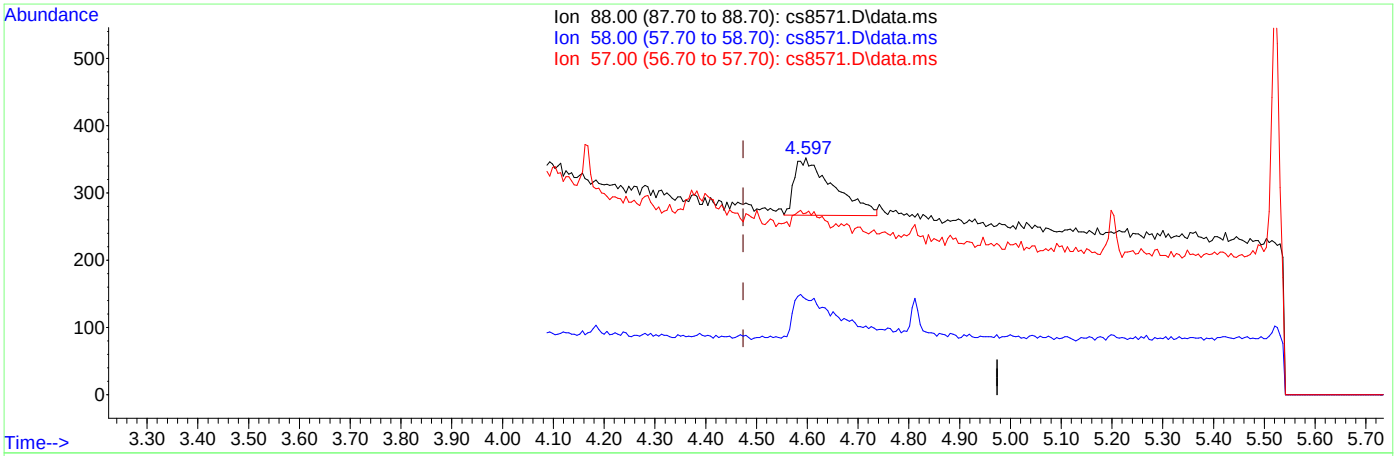
response 1718

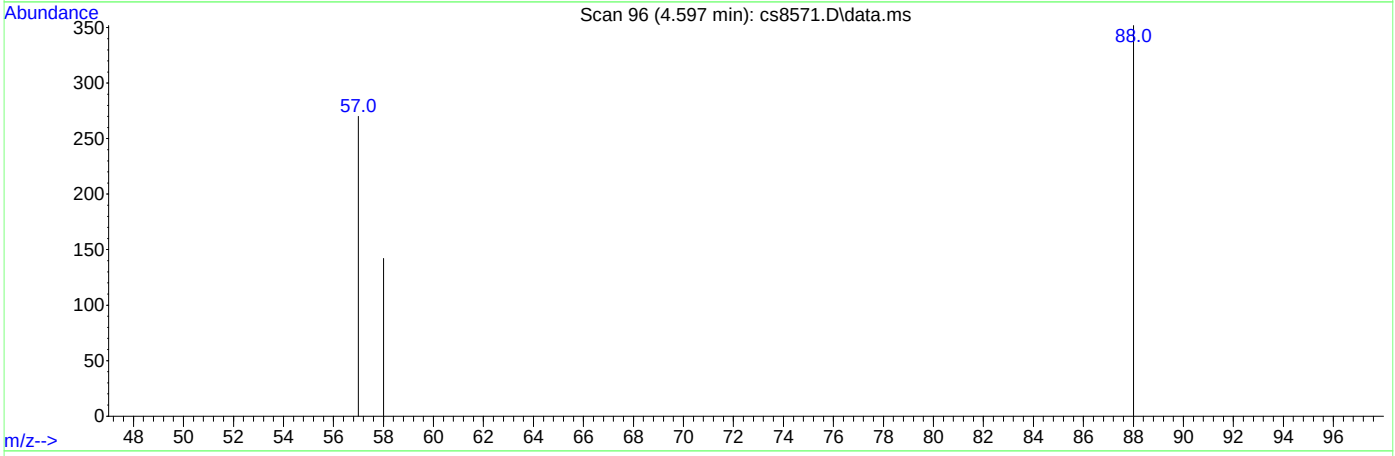
Ion	Exp%	Act%
278.00	100	100
274.00	8.40	7.75
277.00	7.80	6.78
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8571.D
Acq On : 17 Sep 2025 12:48 pm
Operator : rocquans
Sample : ic446-0.02
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Sep 17 16:21:40 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration





TIC: cs8571.D\data.ms

(2) 1,4-Dioxane (t)

4.597min (+0.123) 17.04ppb m

response 454

Ion	Exp%	Act%
88.00	100	100
58.00	81.30	40.34#
57.00	25.80	76.70#
0.00	0.00	0.00

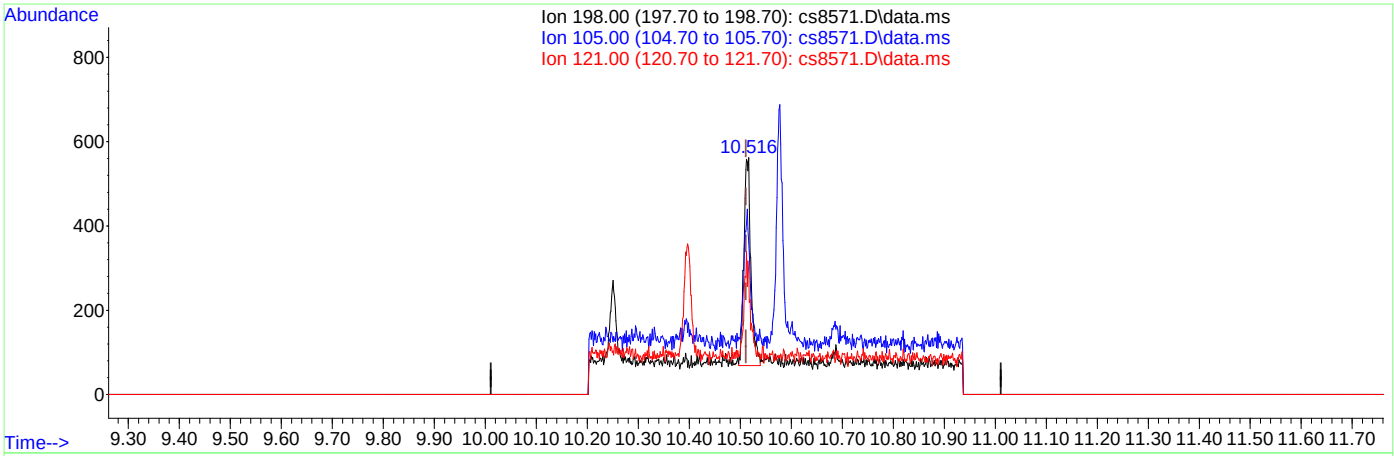
9.5.18.6

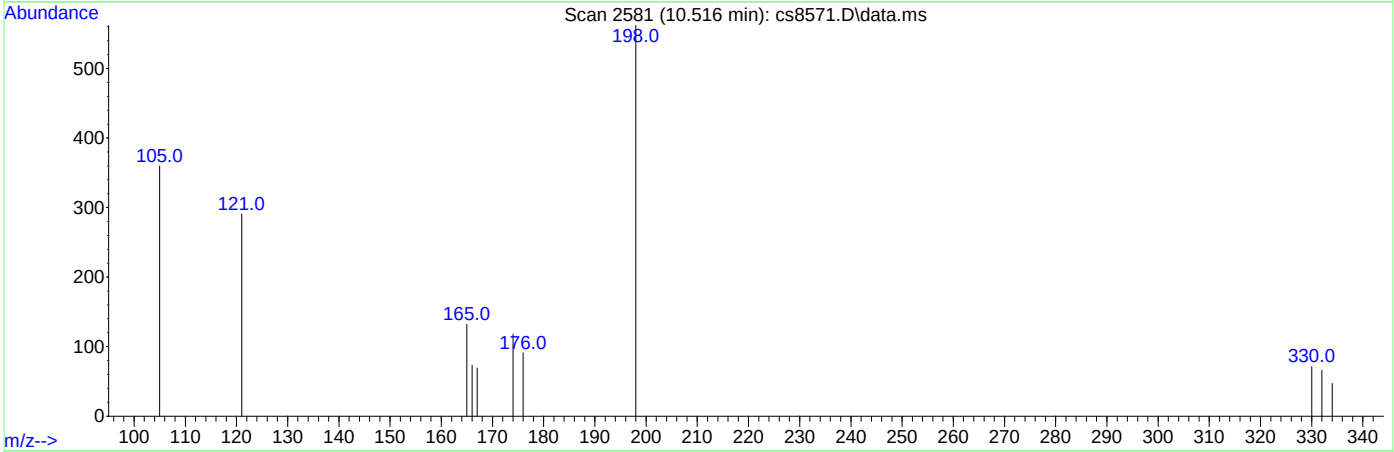
9

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8571.D
Acq On : 17 Sep 2025 12:48 pm
Operator : rocquans
Sample : ic446-0.02
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Sep 17 16:21:40 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration





TIC: cs8571.D\data.ms

(16) 4,6-dinitro-2-methylphenol

10.516min (+0.005) 36.09ppb m

response 472

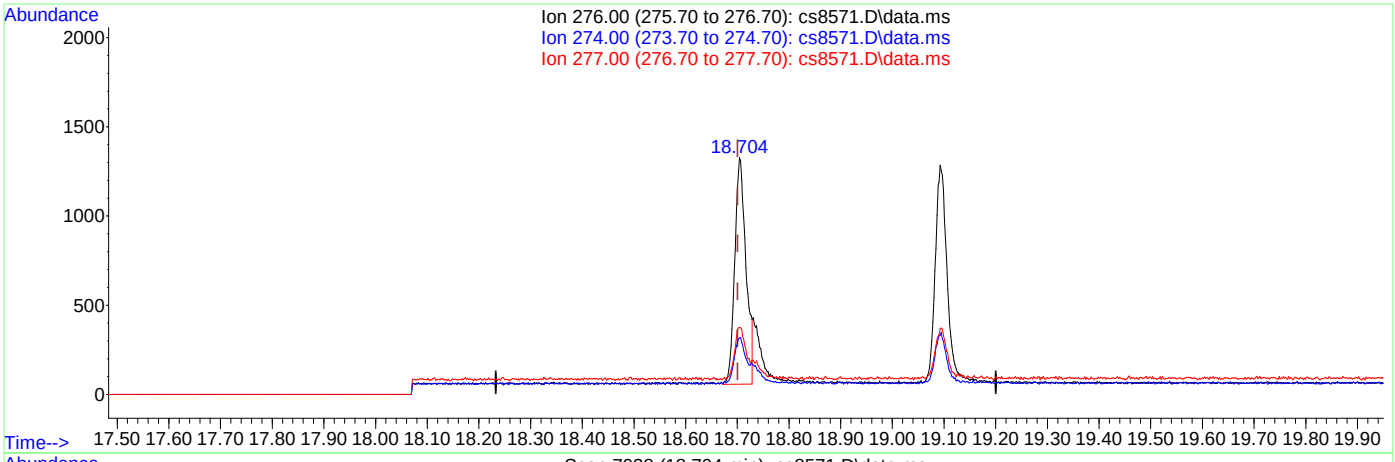
Ion	Exp%	Act%
198.00	100	100
105.00	49.90	64.06
121.00	39.30	51.78
0.00	0.00	0.00

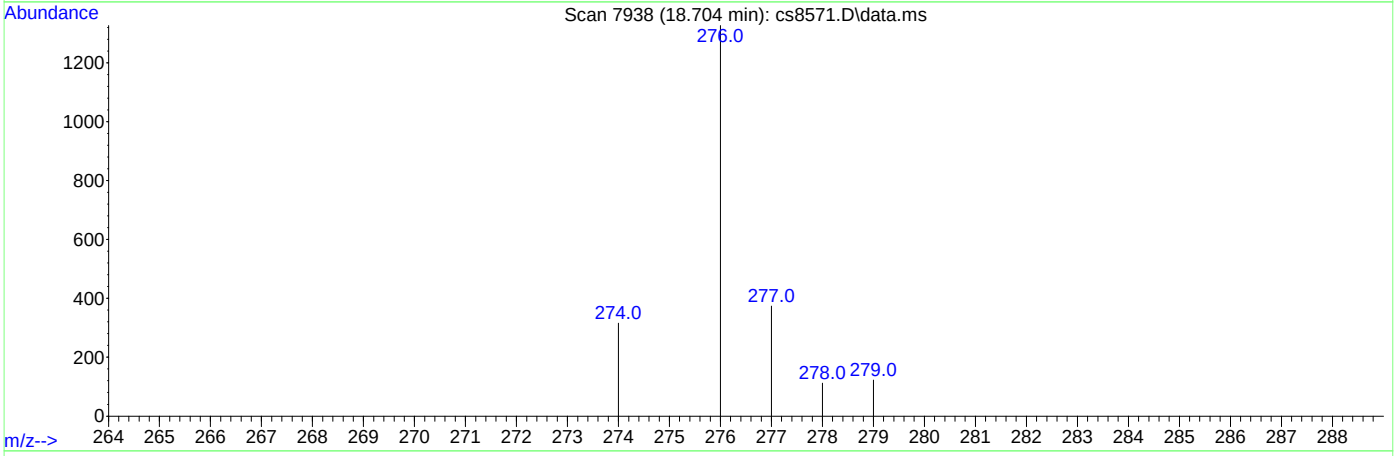
CS8571.D edits: 4,6-dinitro-2-methylphenol

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8571.D
Acq On : 17 Sep 2025 12:48 pm
Operator : rocquans
Sample : ic446-0.02
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Sep 17 16:21:40 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration





TIC: cs8571.D\data.ms

(32) Indeno[1,2,3-cd]pyrene (t)

18.704min (+0.004) 18.77ppb m

response 1927

Ion	Exp%	Act%
276.00	100	100
274.00	20.40	23.81
277.00	22.40	28.18
0.00	0.00	0.00

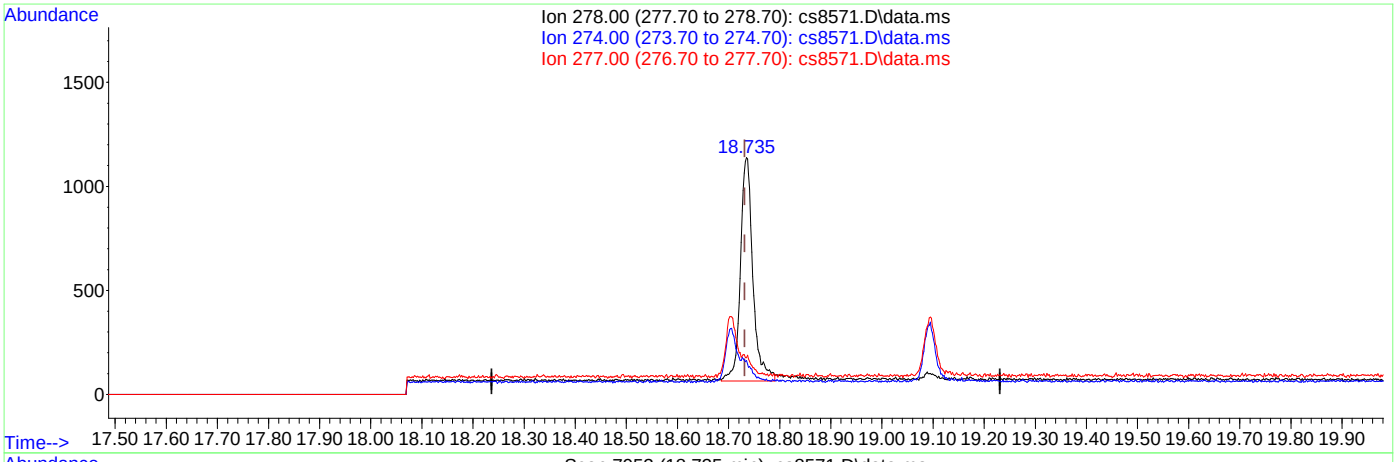
9.5.18.8

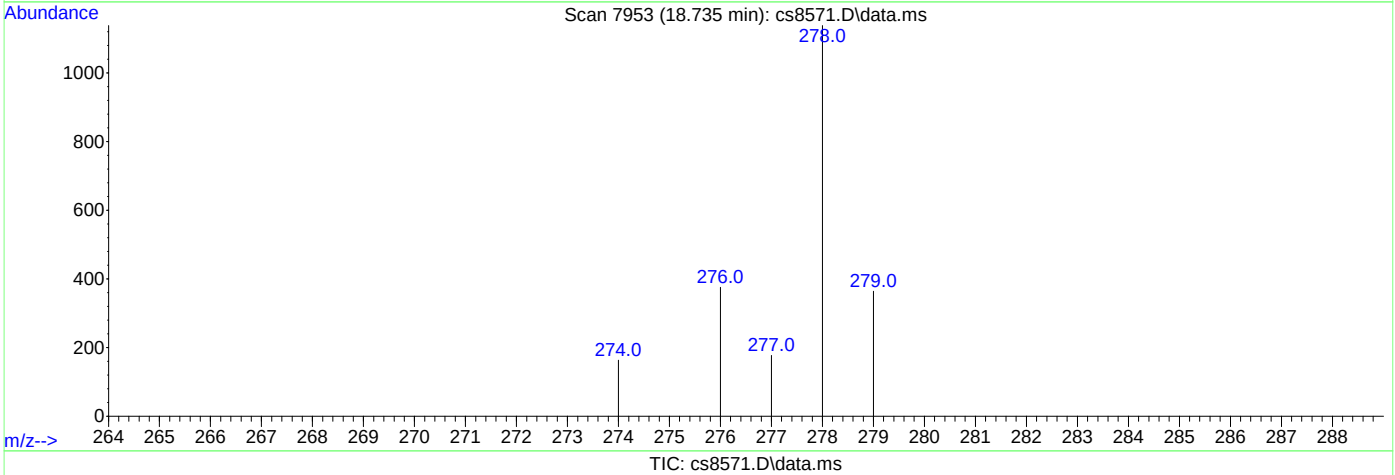
9

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8571.D
Acq On : 17 Sep 2025 12:48 pm
Operator : rocquans
Sample : ic446-0.02
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Sep 17 16:21:40 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration





TIC: cs8571.D\data.ms

(33) Dibenz[a,h]anthracene (t)

18.735min (+0.004) 18.73ppb m

response 1819

Ion	Exp%	Act%
278.00	100	100
274.00	8.40	14.32
277.00	7.80	15.55
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Ying Li
09/18/25 10:52

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8572.D
Acq On : 17 Sep 2025 01:15 pm
Operator : rocquans
Sample : ic446-0.04
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 46 Sample Multiplier: 1

Quant Time: Sep 17 16:33:50 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	9.077	150	57464	800.00	ppb	0.00
11) Fluorene-d10	10.394	176	74334	800.00	ppb	0.00
18) Fluoranthene-d10	12.984	212	113384	800.00	ppb	0.00
28) Benzo(a)pyrene-d12	17.076	264	61693	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	6.263	112	46238	769.82	ppb	0.00
Spiked Amount 10000.000			Recovery =	7.70%		
4) Phenol-d5	7.188	99	54300	781.71	ppb	0.00
Spiked Amount 10000.000			Recovery =	7.82%		
6) Nitrobenzene-d5	7.887	82	45136	800.15	ppb	0.00
Spiked Amount 10000.000			Recovery =	8.00%		
12) 2-Fluorobiphenyl	9.329	172	105061	845.89	ppb	0.00
Spiked Amount 10000.000			Recovery =	8.46%		
17) 2,4,6-Tribromophenol	10.686	330	10014	711.66	ppb	0.00
Spiked Amount 10000.000			Recovery =	7.12%		
25) Terphenyl-d14	13.589	244	69181	803.99	ppb	0.00
Spiked Amount 10000.000			Recovery =	8.04%		
Target Compounds						Qvalue
2) 1,4-Dioxane	4.549	88	834m	31.32	ppb	
5) Phenol	7.198	94	15548	197.76	ppb	97
7) Naphthalene	8.467	128	8137	39.62	ppb	100
8) Hexachlorobutadiene	8.622	225	1198	39.87	ppb	98
9) 2-Methylnaphthalene	9.018	141	4465	39.28	ppb	99
10) 1-Methylnaphthalene	9.104	141	4302	39.31	ppb	99
13) Acenaphthylene	9.778	152	6996	37.03	ppb	99
14) Acenaphthene	9.943	153	5030	38.97	ppb	98
15) Fluorene	10.423	166	5781	39.65	ppb	98
16) 4,6-dinitro-2-methylph...	10.511	198	1192	91.28	ppb	97
19) Hexachlorobenzene	11.095	284	1492	38.65	ppb	98
20) Pentachlorophenol	11.293	266	1576	79.79	ppb	99
21) Phenanthrene	11.462	178	7995	38.63	ppb	98
22) Anthracene	11.517	178	7256	37.00	ppb	98
23) Fluoranthene	13.009	202	8484	39.16	ppb	97
24) Pyrene	13.318	202	8320	37.79	ppb	99
26) Benzo[a]anthracene	15.101	228	5973	37.21	ppb	99
27) Chrysene	15.163	228	6066	37.54	ppb	100
29) Benzo[b]fluoranthene	16.677	252	5319	38.69	ppb	99
30) Benzo[k]fluoranthene	16.709	252	4973	37.26	ppb	98
31) Benzo[a]pyrene	17.107	252	4837	38.15	ppb	100
32) Indeno[1,2,3-cd]pyrene	18.704	276	3785m	36.57	ppb	
33) Dibenz[a,h]anthracene	18.735	278	3257	33.26	ppb	77
34) Benzo[g,h,i]perylene	19.094	276	3827	38.03	ppb	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

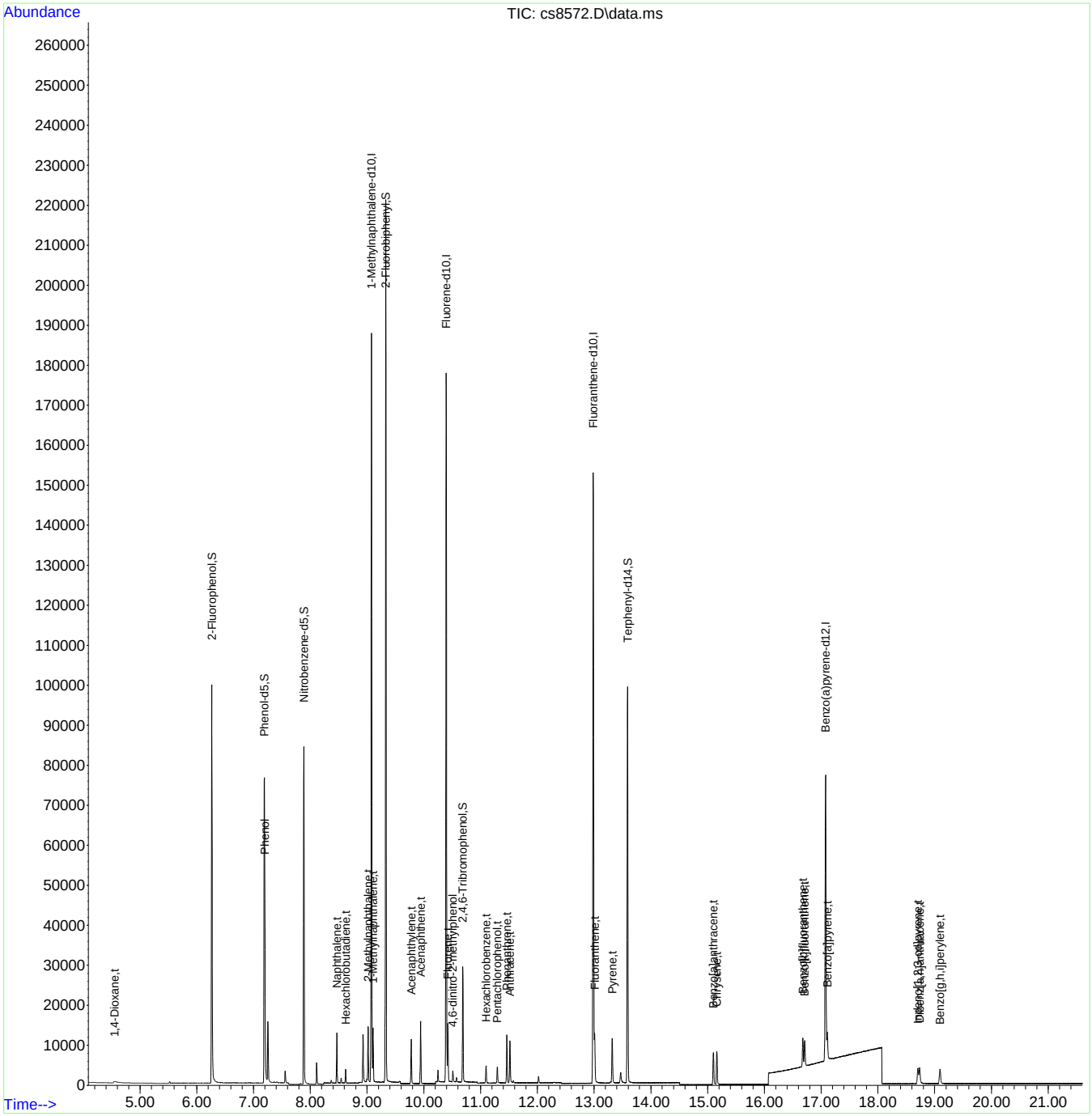
9.5.19

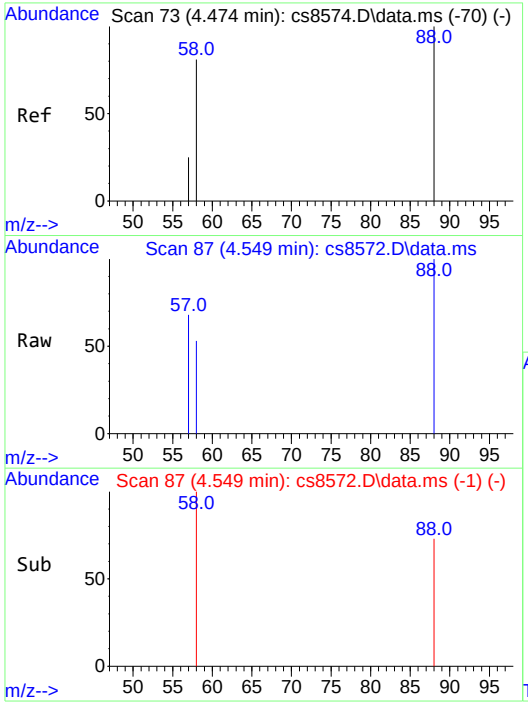
6

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8572.D
Acq On : 17 Sep 2025 01:15 pm
Operator : rocquans
Sample : ic446-0.04
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 46 Sample Multiplier: 1

Quant Time: Sep 17 16:33:50 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration

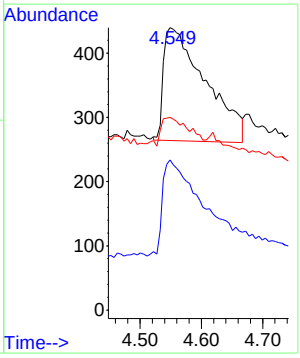


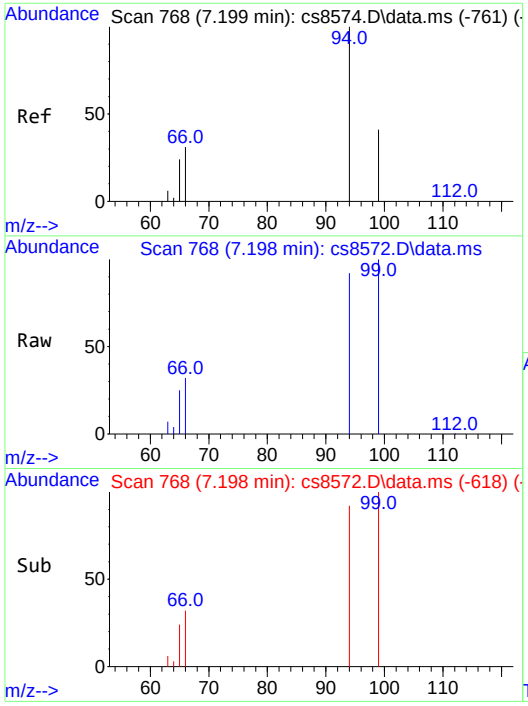


#2
1,4-Dioxane
Concen: 31.32 ppb m
RT: 4.549 min Scan# 87
Delta R.T. 0.075 min
Lab File: cs8572.D
Acq: 17 Sep 2025 01:15 pm

Tgt Ion: 88 Resp: 834

Ion	Ratio	Lower	Upper
88	100		
58	53.2	61.3	101.3#
57	68.2	5.8	45.8#

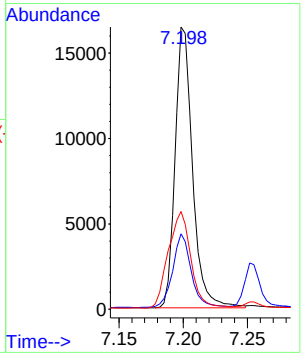


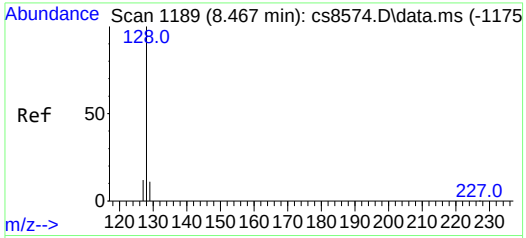


#5
Phenol
Concen: 197.76 ppb
RT: 7.198 min Scan# 768
Delta R.T. -0.000 min
Lab File: cs8572.D
Acq: 17 Sep 2025 01:15 pm

Tgt Ion: 94 Resp: 15548

Ion	Ratio	Lower	Upper
94	100		
65	21.1	17.0	25.4
66	33.1	24.6	37.0

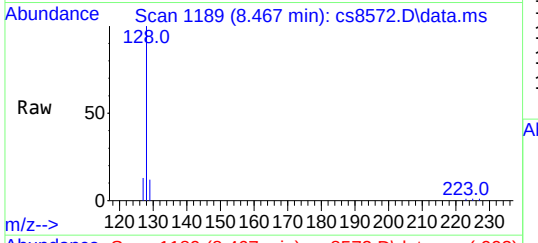


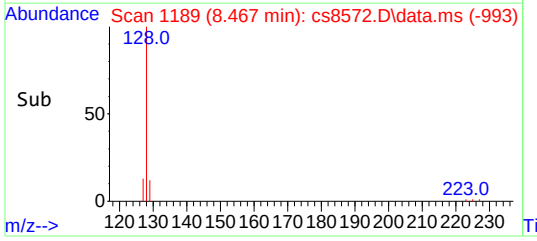


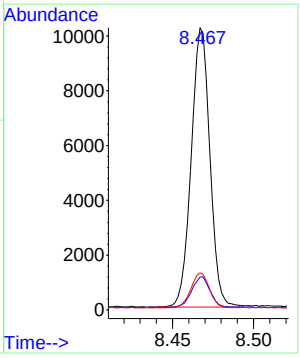
#7
Naphthalene
Concen: 39.62 ppb
RT: 8.467 min Scan# 1189
Delta R.T. -0.000 min
Lab File: cs8572.D
Acq: 17 Sep 2025 01:15 pm

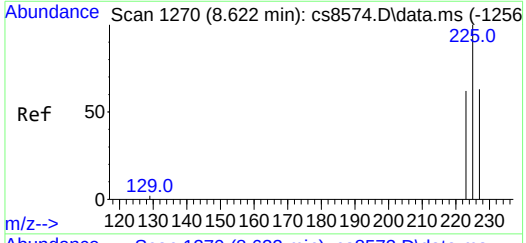
Tgt Ion:128 Resp: 8137

Ion	Ratio	Lower	Upper
128	100		
129	10.9	0.0	40.8
127	12.5	0.0	42.4





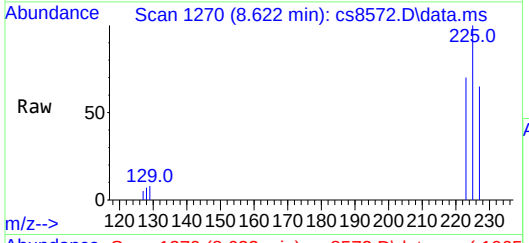


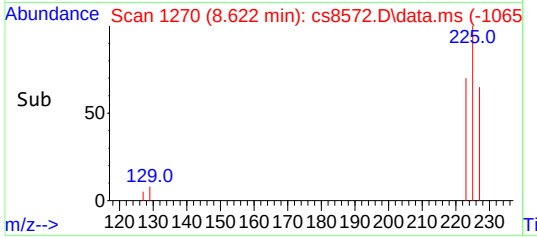


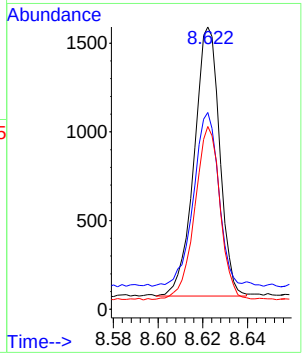
#8
Hexachlorobutadiene
Concen: 39.87 ppb
RT: 8.622 min Scan# 1270
Delta R.T. -0.000 min
Lab File: cs8572.D
Acq: 17 Sep 2025 01:15 pm

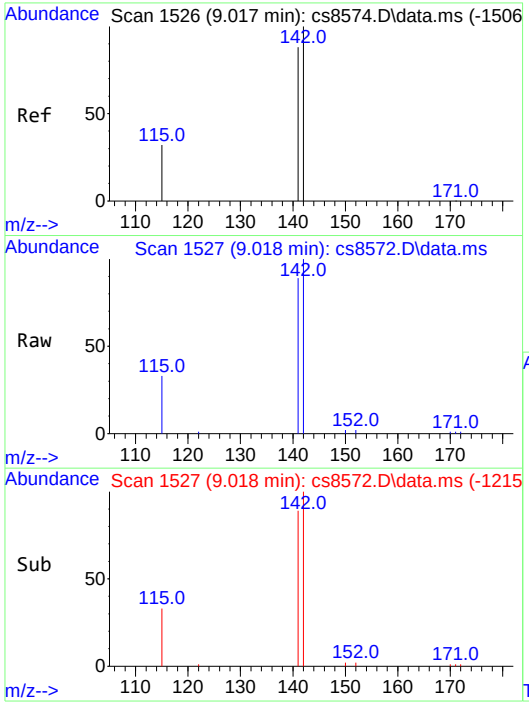
Tgt Ion:225 Resp: 1198

Ion	Ratio	Lower	Upper
225	100		
223	63.8	31.8	91.8
227	64.2	32.6	92.6





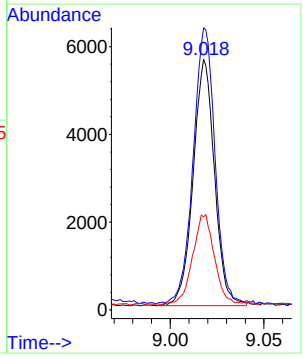


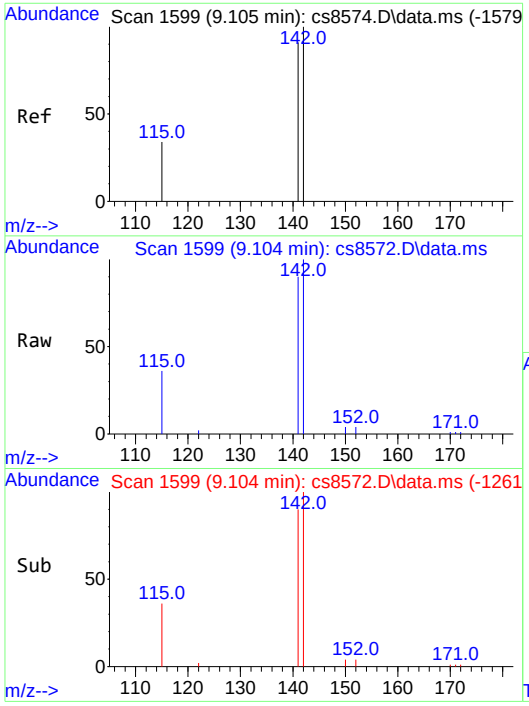


#9
2-Methylnaphthalene
Concen: 39.28 ppb
RT: 9.018 min Scan# 1527
Delta R.T. 0.001 min
Lab File: cs8572.D
Acq: 17 Sep 2025 01:15 pm

Tgt Ion:141 Resp: 4465

Ion	Ratio	Lower	Upper
141	100		
142	112.1	83.1	143.1
115	35.2	5.8	65.8

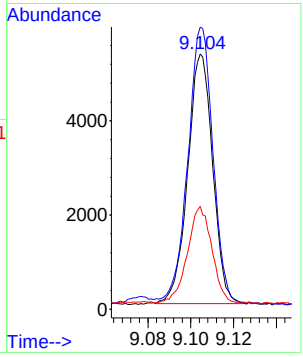


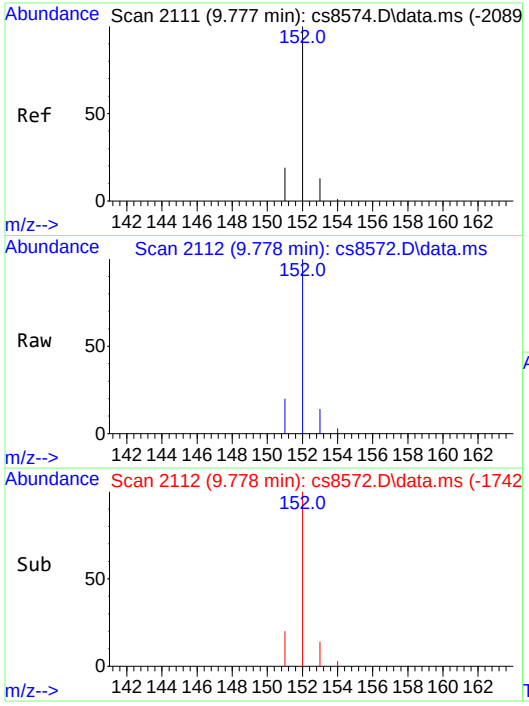


#10
1-Methylnaphthalene
Concen: 39.31 ppb
RT: 9.104 min Scan# 1599
Delta R.T. -0.000 min
Lab File: cs8572.D
Acq: 17 Sep 2025 01:15 pm

Tgt Ion:141 Resp: 4302

Ion	Ratio	Lower	Upper
141	100		
142	109.9	80.8	140.8
115	38.5	7.2	67.2

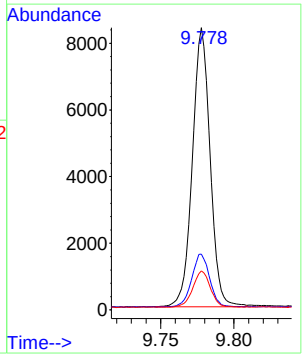


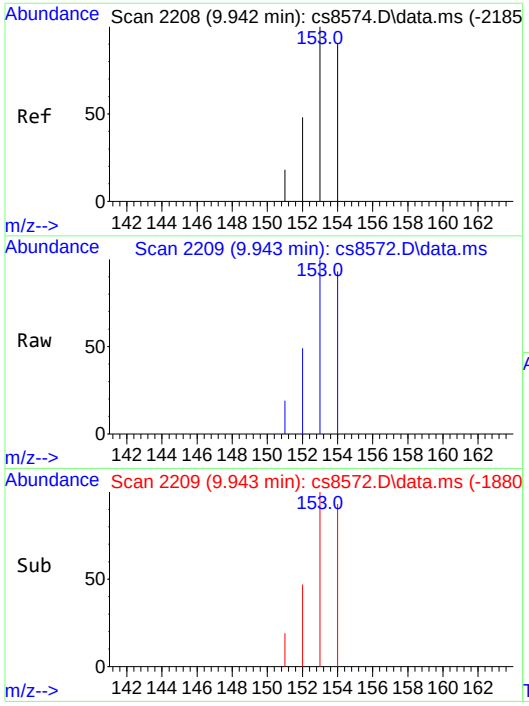


#13
Acenaphthylene
Concen: 37.03 ppb
RT: 9.778 min Scan# 2112
Delta R.T. 0.001 min
Lab File: cs8572.D
Acq: 17 Sep 2025 01:15 pm

Tgt Ion:152 Resp: 6996

Ion	Ratio	Lower	Upper
152	100		
151	18.9	0.0	49.3
153	13.0	0.0	42.7

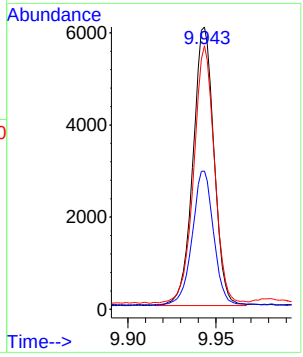


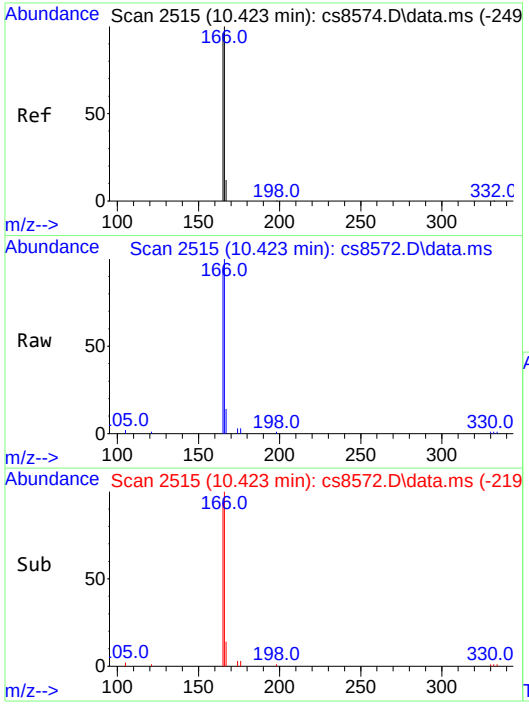


#14
Acenaphthene
Concen: 38.97 ppb
RT: 9.943 min Scan# 2209
Delta R.T. 0.001 min
Lab File: cs8572.D
Acq: 17 Sep 2025 01:15 pm

Tgt Ion:153 Resp: 5030

Ion	Ratio	Lower	Upper
153	100		
152	47.9	17.7	77.7
154	92.1	59.5	119.5

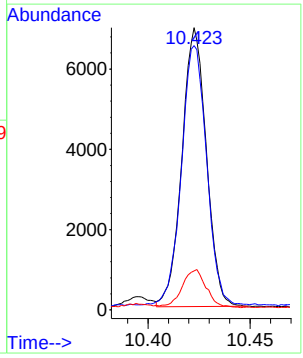


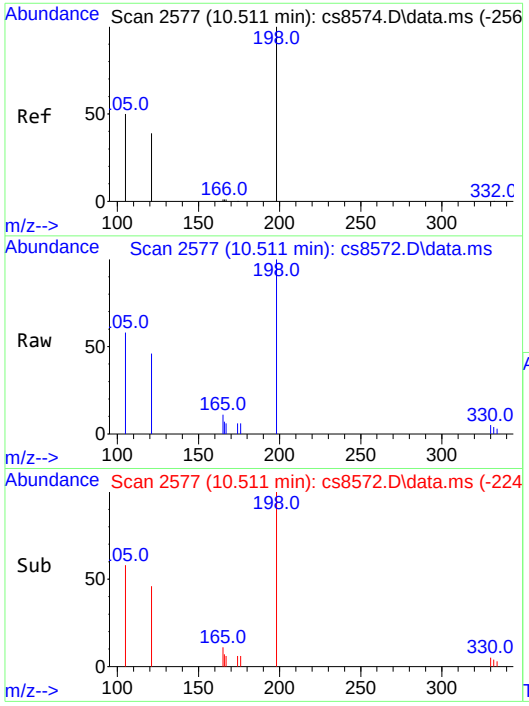


#15
Fluorene
Concen: 39.65 ppb
RT: 10.423 min Scan# 2515
Delta R.T. -0.000 min
Lab File: cs8572.D
Acq: 17 Sep 2025 01:15 pm

Tgt Ion:166 Resp: 5781

Ion	Ratio	Lower	Upper
166	100		
165	93.1	65.7	125.7
167	12.8	0.0	42.4

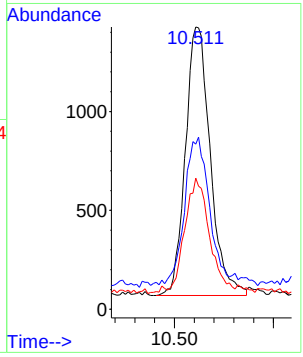


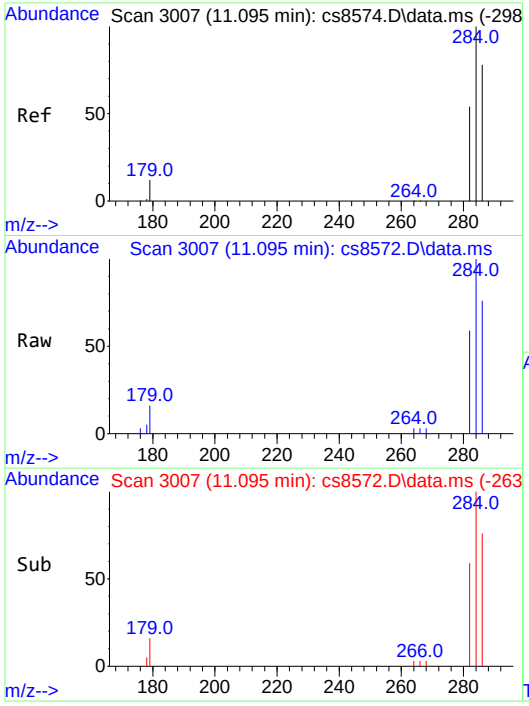


#16
4,6-dinitro-2-methylphenol
Concen: 91.28 ppb
RT: 10.511 min Scan# 2577
Delta R.T. -0.000 min
Lab File: cs8572.D
Acq: 17 Sep 2025 01:15 pm

Tgt Ion:198 Resp: 1192

Ion	Ratio	Lower	Upper
198	100		
105	51.0	29.9	69.9
121	41.9	19.3	59.3

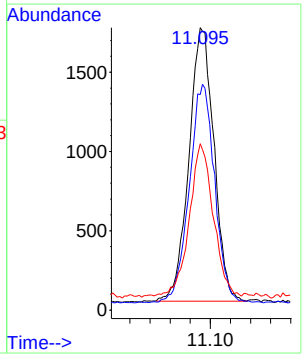


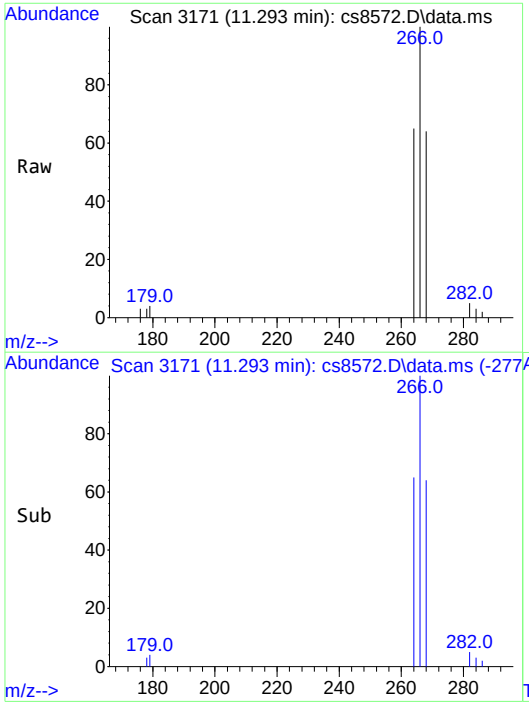


#19
Hexachlorobenzene
Concen: 38.65 ppb
RT: 11.095 min Scan# 3007
Delta R.T. -0.000 min
Lab File: cs8572.D
Acq: 17 Sep 2025 01:15 pm

Tgt Ion:284 Resp: 1492

Ion	Ratio	Lower	Upper
284	100		
286	75.6	48.0	108.0
282	55.1	23.8	83.8

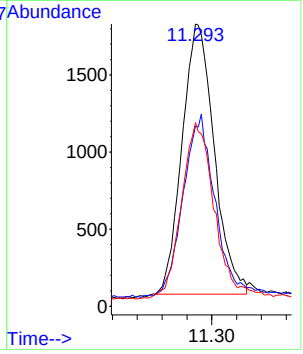


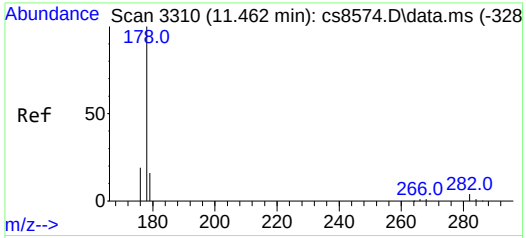


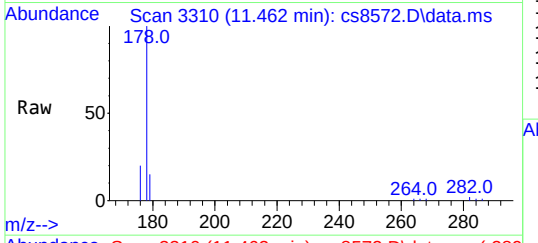
#20
Pentachlorophenol
Concen: 79.79 ppb
RT: 11.293 min Scan# 3171
Delta R.T. -0.000 min
Lab File: cs8572.D
Acq: 17 Sep 2025 01:15 pm

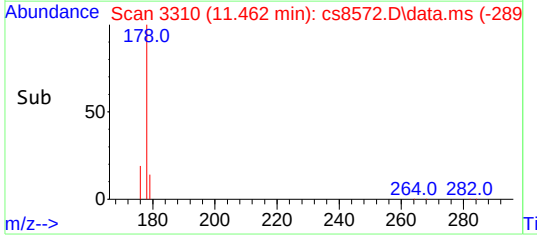
Tgt Ion:266 Resp: 1576

Ion	Ratio	Lower	Upper
266	100		
268	64.3	43.1	83.1
264	64.0	43.0	83.0





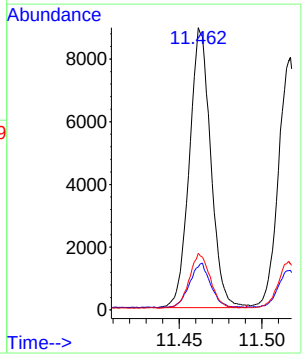


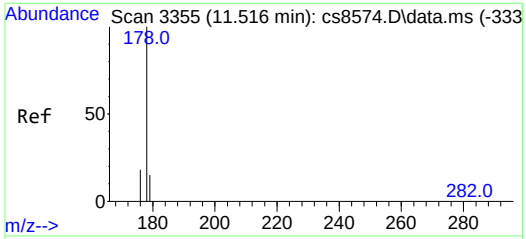


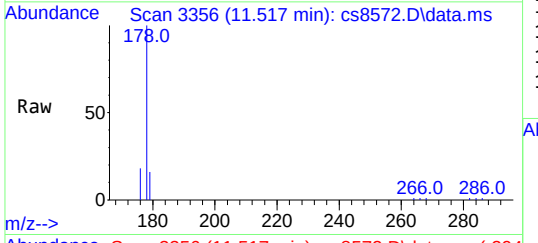
#21
Phenanthrene
Concen: 38.63 ppb
RT: 11.462 min Scan# 3310
Delta R.T. -0.000 min
Lab File: cs8572.D
Acq: 17 Sep 2025 01:15 pm

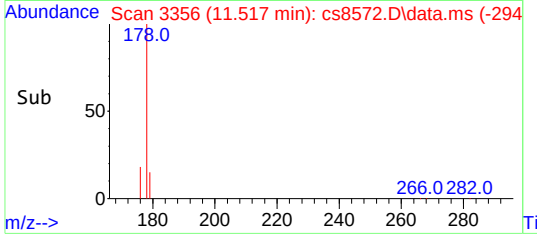
Tgt Ion:178 Resp: 7995

Ion	Ratio	Lower	Upper
178	100		
179	14.4	0.0	45.7
176	19.6	0.0	49.2





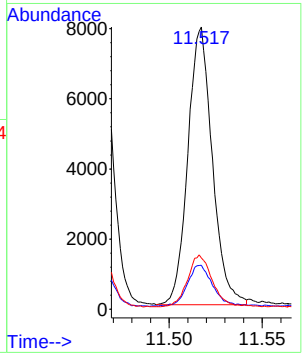


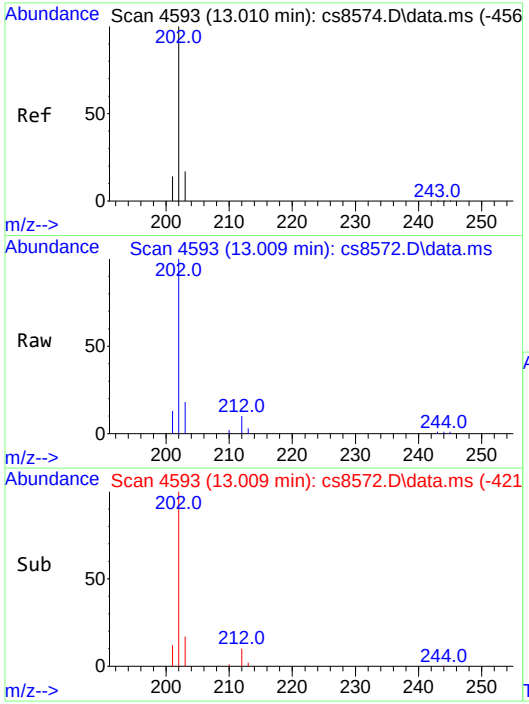


#22
Anthracene
Concen: 37.00 ppb
RT: 11.517 min Scan# 3356
Delta R.T. 0.001 min
Lab File: cs8572.D
Acq: 17 Sep 2025 01:15 pm

Tgt Ion:178 Resp: 7256

Ion	Ratio	Lower	Upper
178	100		
179	14.6	0.0	45.2
176	17.5	0.0	48.4

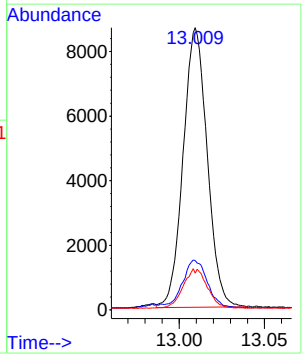


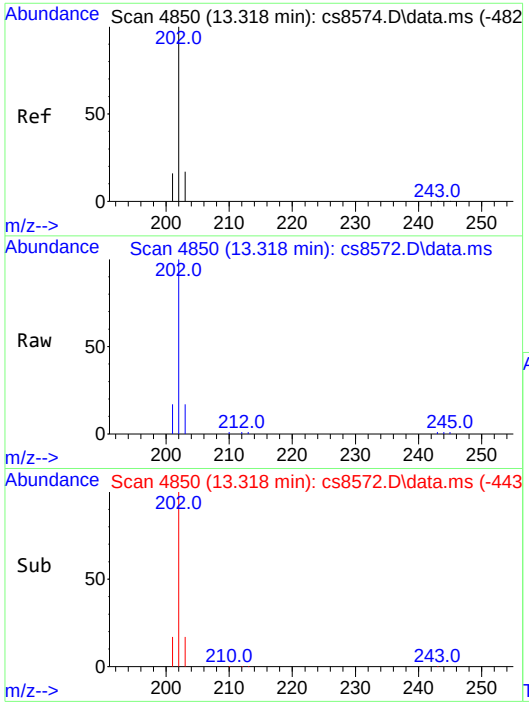


#23
Fluoranthene
Concen: 39.16 ppb
RT: 13.009 min Scan# 4593
Delta R.T. -0.000 min
Lab File: cs8572.D
Acq: 17 Sep 2025 01:15 pm

Tgt Ion:202 Resp: 8484

Ion	Ratio	Lower	Upper
202	100		
203	16.4	0.0	47.2
201	12.5	0.0	44.0

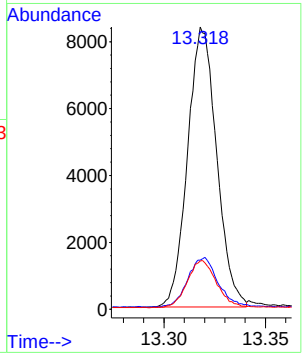


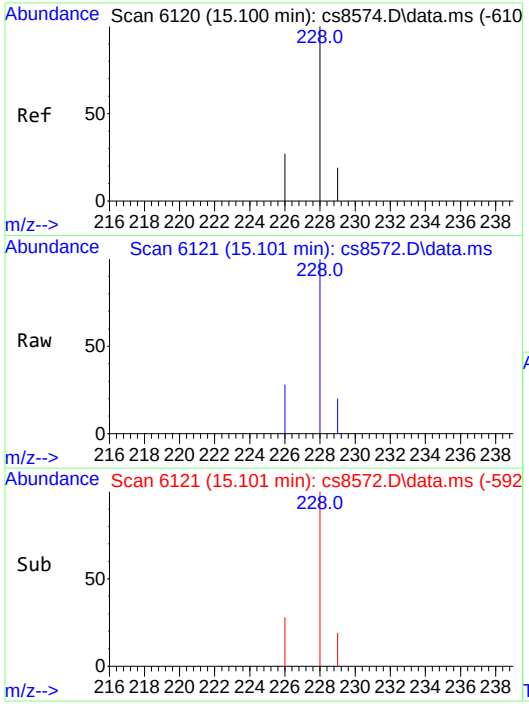


#24
Pyrene
Concen: 37.79 ppb
RT: 13.318 min Scan# 4850
Delta R.T. -0.000 min
Lab File: cs8572.D
Acq: 17 Sep 2025 01:15 pm

Tgt Ion:202 Resp: 8320

Ion	Ratio	Lower	Upper
202	100		
203	16.4	0.0	47.1
201	16.5	0.0	46.4

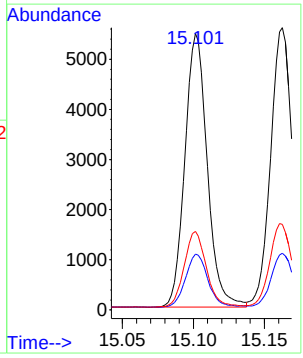


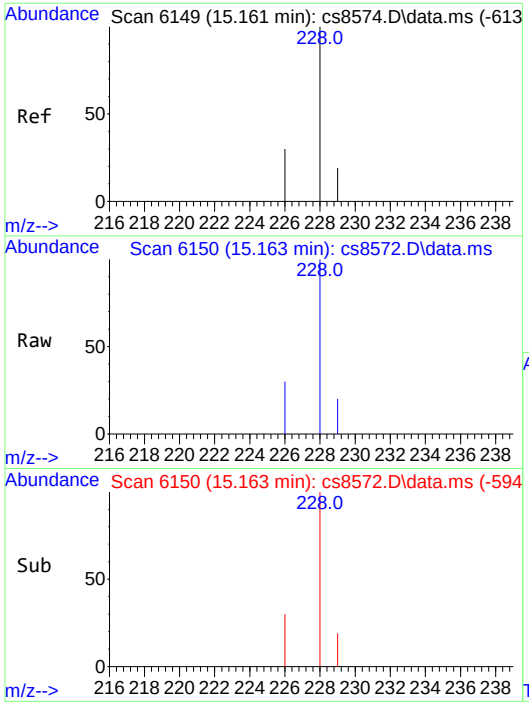


#26
Benzo[a]anthracene
Concen: 37.21 ppb
RT: 15.101 min Scan# 6121
Delta R.T. 0.002 min
Lab File: cs8572.D
Acq: 17 Sep 2025 01:15 pm

Tgt Ion:228 Resp: 5973

Ion	Ratio	Lower	Upper
228	100		
229	19.3	0.0	49.1
226	27.6	0.0	57.0

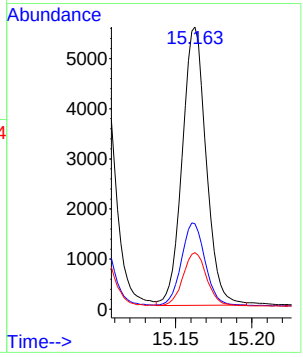


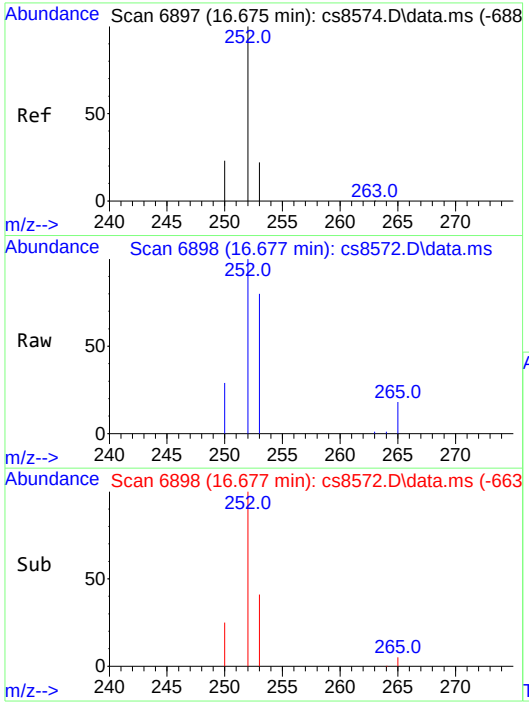


#27
Chrysene
Concen: 37.54 ppb
RT: 15.163 min Scan# 6150
Delta R.T. 0.002 min
Lab File: cs8572.D
Acq: 17 Sep 2025 01:15 pm

Tgt Ion:228 Resp: 6066

Ion	Ratio	Lower	Upper
228	100		
226	29.6	0.0	59.6
229	19.2	0.0	49.1

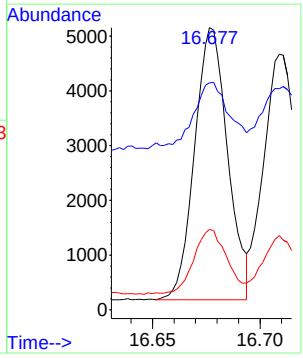


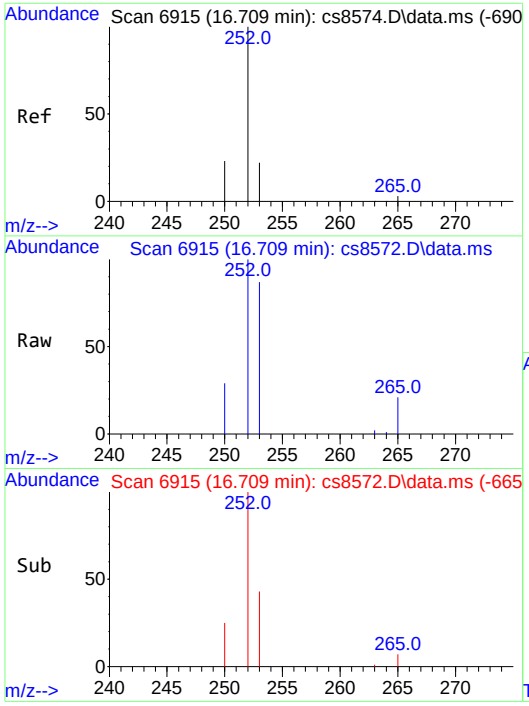


#29
Benzo[b]fluoranthene
Concen: 38.69 ppb
RT: 16.677 min Scan# 6898
Delta R.T. 0.002 min
Lab File: cs8572.D
Acq: 17 Sep 2025 01:15 pm

Tgt Ion:252 Resp: 5319

Ion	Ratio	Lower	Upper
252	100		
253	22.0	0.0	51.5
250	23.4	0.0	53.4

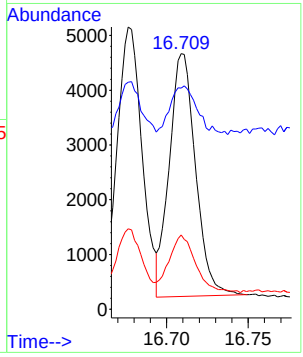


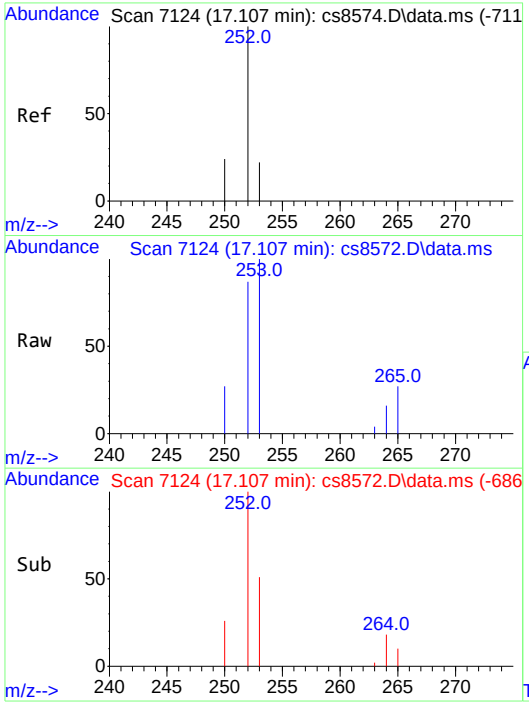


#30
Benzo[k]fluoranthene
Concen: 37.26 ppb
RT: 16.709 min Scan# 6915
Delta R.T. -0.000 min
Lab File: cs8572.D
Acq: 17 Sep 2025 01:15 pm

Tgt Ion:252 Resp: 4973

Ion	Ratio	Lower	Upper
252	100		
253	19.3	0.0	51.3
250	23.5	0.0	53.2

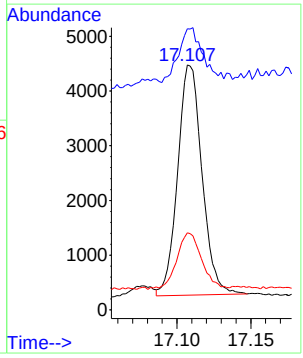


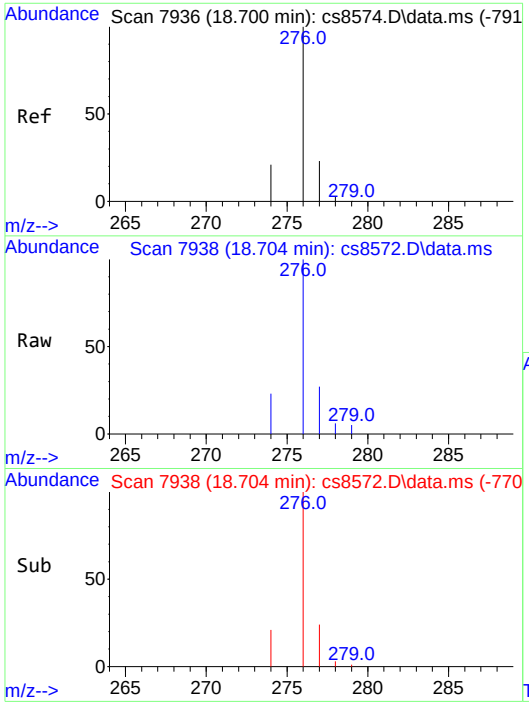


#31
Benzo[a]pyrene
Concen: 38.15 ppb
RT: 17.107 min Scan# 7124
Delta R.T. -0.000 min
Lab File: cs8572.D
Acq: 17 Sep 2025 01:15 pm

Tgt Ion:252 Resp: 4837

Ion	Ratio	Lower	Upper
252	100		
253	21.3	0.0	51.3
250	24.0	0.0	53.7

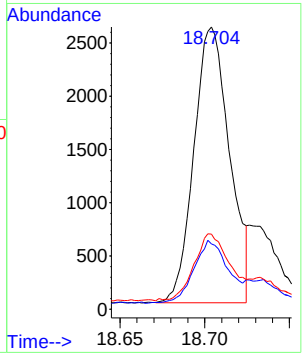


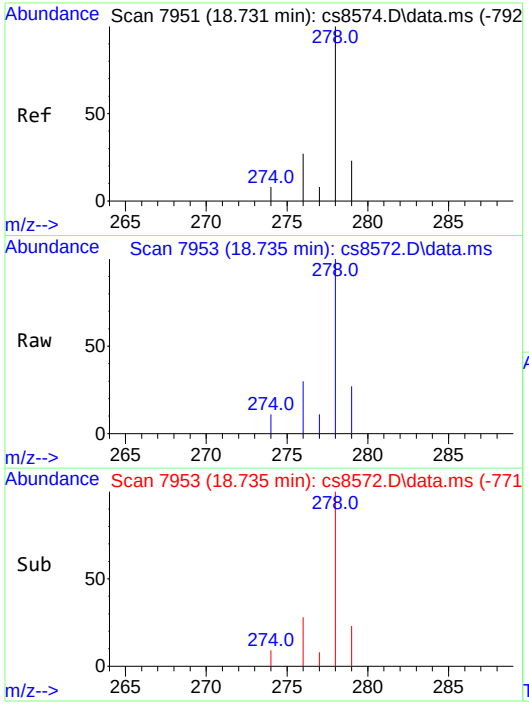


#32
Indeno[1,2,3-cd]pyrene
Concen: 36.57 ppb m
RT: 18.704 min Scan# 7938
Delta R.T. 0.004 min
Lab File: cs8572.D
Acq: 17 Sep 2025 01:15 pm

Tgt Ion:276 Resp: 3785

Ion	Ratio	Lower	Upper
276	100		
274	23.1	0.0	50.4
277	26.6	0.0	52.4

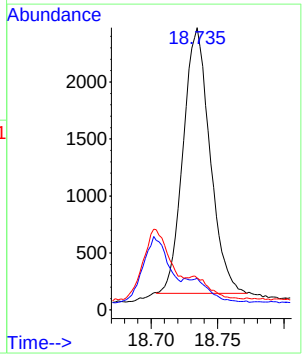


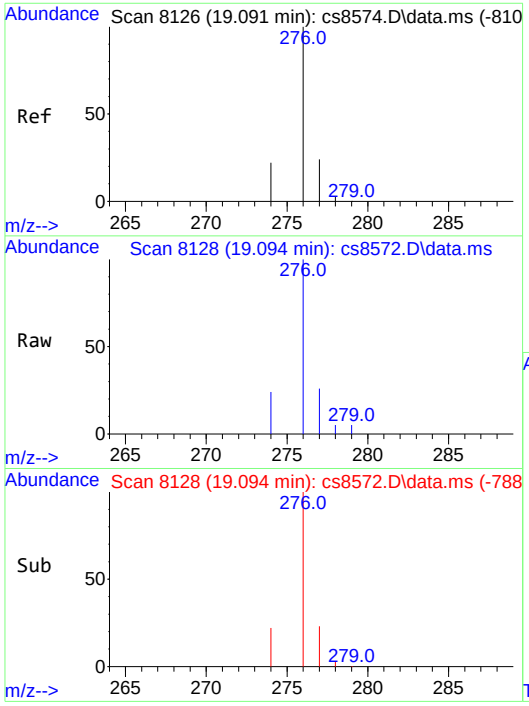


#33
Dibenz[a,h]anthracene
Concen: 33.26 ppb
RT: 18.735 min Scan# 7953
Delta R.T. 0.004 min
Lab File: cs8572.D
Acq: 17 Sep 2025 01:15 pm

Tgt Ion:278 Resp: 3257

Ion	Ratio	Lower	Upper
278	100		
274	0.0	0.0	38.4
277	0.0	0.0	37.8

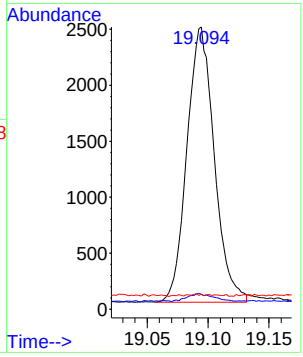




#34
Benzo[g,h,i]perylene
Concen: 38.03 ppb
RT: 19.094 min Scan# 8128
Delta R.T. 0.004 min
Lab File: cs8572.D
Acq: 17 Sep 2025 01:15 pm

Tgt Ion:276 Resp: 3827

Ion	Ratio	Lower	Upper
276	100		
278	2.5	0.0	32.6
279	0.3	0.0	30.2



Manual Integration Approval Summary

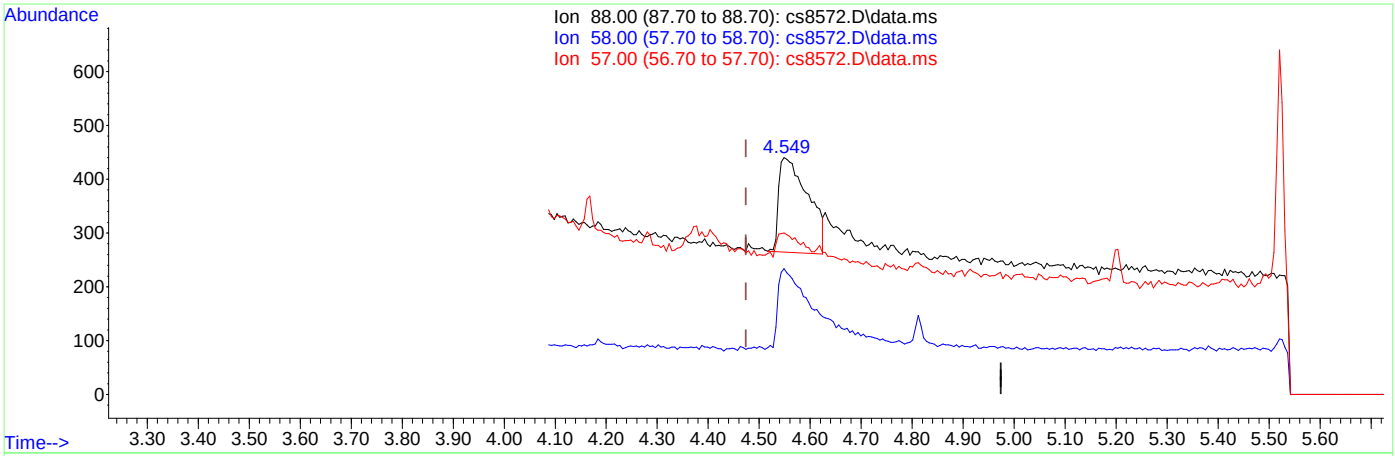
Sample Number: ECS446-IC446
Lab FileID: CS8572.D
Injection Time: 09/17/25 13:15
Method: SW846 8270E BY SIM
Analyst approved: 09/17/25 18:29 Rocquan Salters
Supervisor approved: 09/18/25 10:52 Ying Li

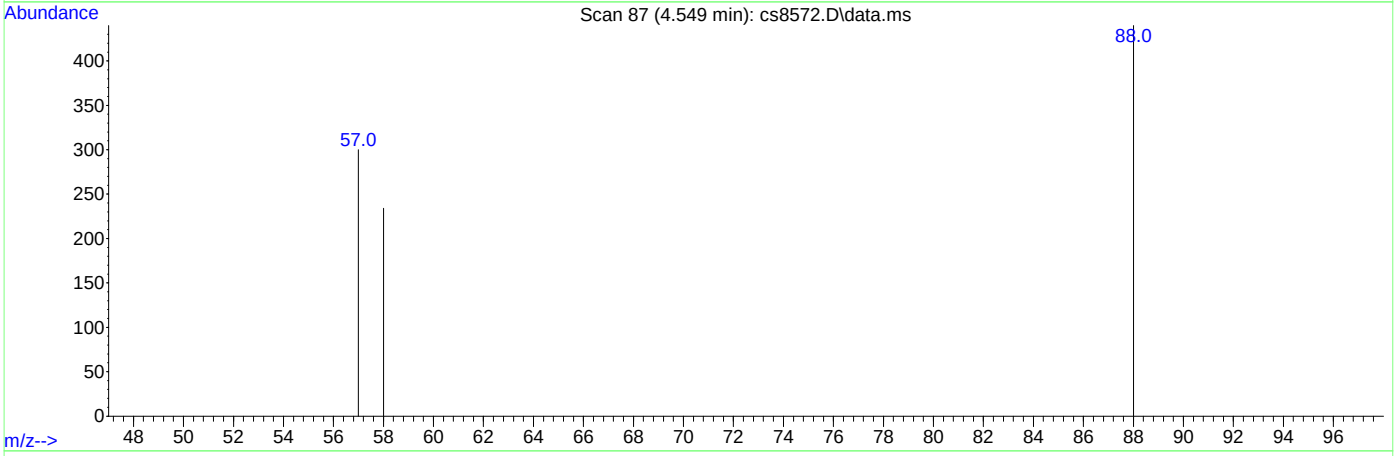
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,4-Dioxane	123-91-1		4.55	Baseline ripple
Indeno(1,2,3-cd)pyrene	193-39-5		18.70	Baseline ripple

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8572.D
Acq On : 17 Sep 2025 01:15 pm
Operator : rocquans
Sample : ic446-0.04
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 46 Sample Multiplier: 1

Quant Time: Sep 17 16:33:50 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration





TIC: cs8572.D\data.ms

(2) 1,4-Dioxane (t)

4.549min (+0.075) 26.36ppb

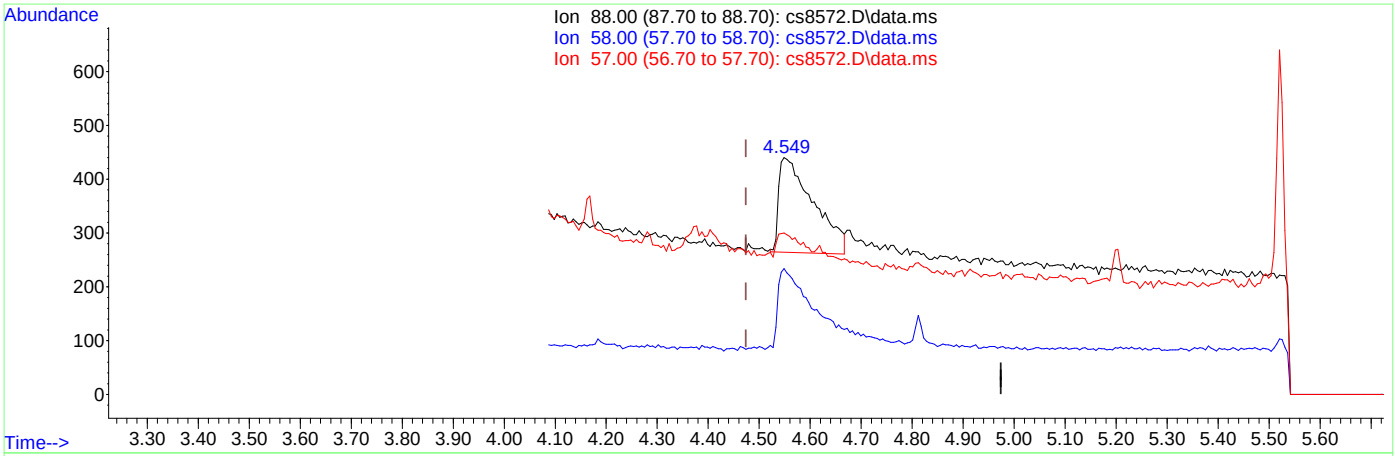
response 702

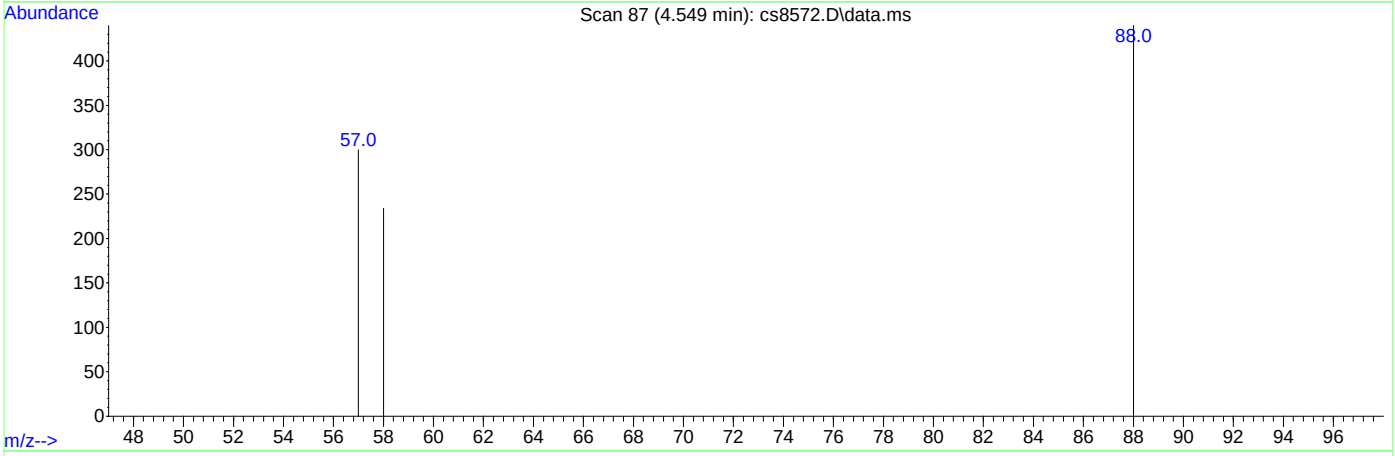
Ion	Exp%	Act%
88.00	100	100
58.00	81.30	82.52
57.00	25.80	25.87
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8572.D
Acq On : 17 Sep 2025 01:15 pm
Operator : rocquans
Sample : ic446-0.04
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 46 Sample Multiplier: 1

Quant Time: Sep 17 16:33:50 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration





TIC: cs8572.D\data.ms

(2) 1,4-Dioxane (t)

4.549min (+0.075) 31.32ppb m

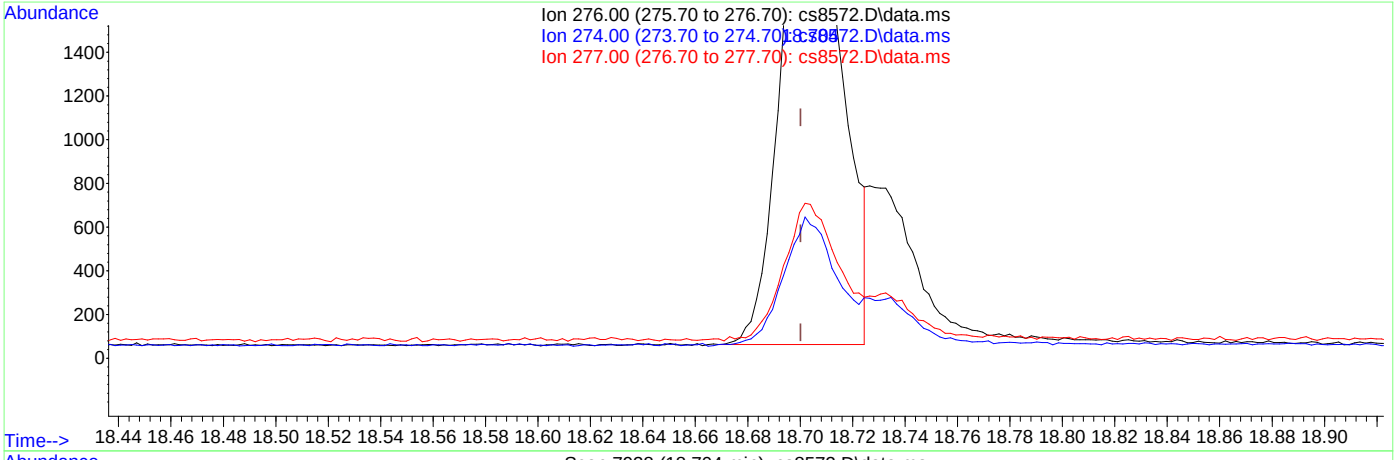
response 834

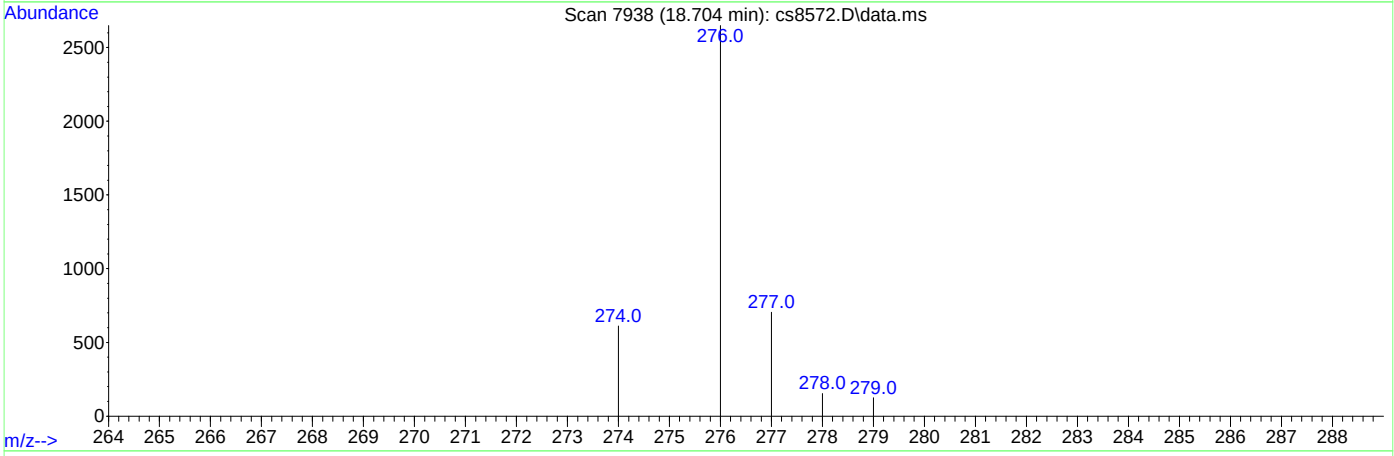
Ion	Exp%	Act%
88.00	100	100
58.00	81.30	53.18#
57.00	25.80	68.18#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8572.D
Acq On : 17 Sep 2025 01:15 pm
Operator : rocquans
Sample : ic446-0.04
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 46 Sample Multiplier: 1

Quant Time: Sep 17 16:33:50 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration





TIC: cs8572.D\data.ms

(32) Indeno[1,2,3-cd]pyrene (t)

18.704min (+0.004) 36.55ppb

response 3783

Ion	Exp%	Act%
276.00	100	100
274.00	20.40	19.85
277.00	22.40	23.35
0.00	0.00	0.00

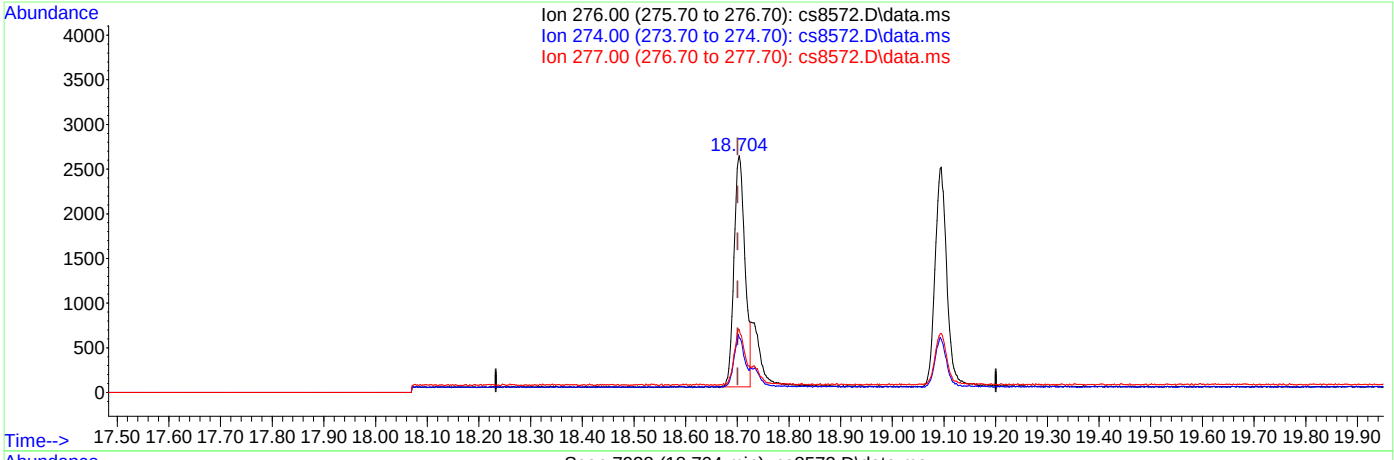
CS8572.D edits: Indeno[1,2,3-cd]pyrene

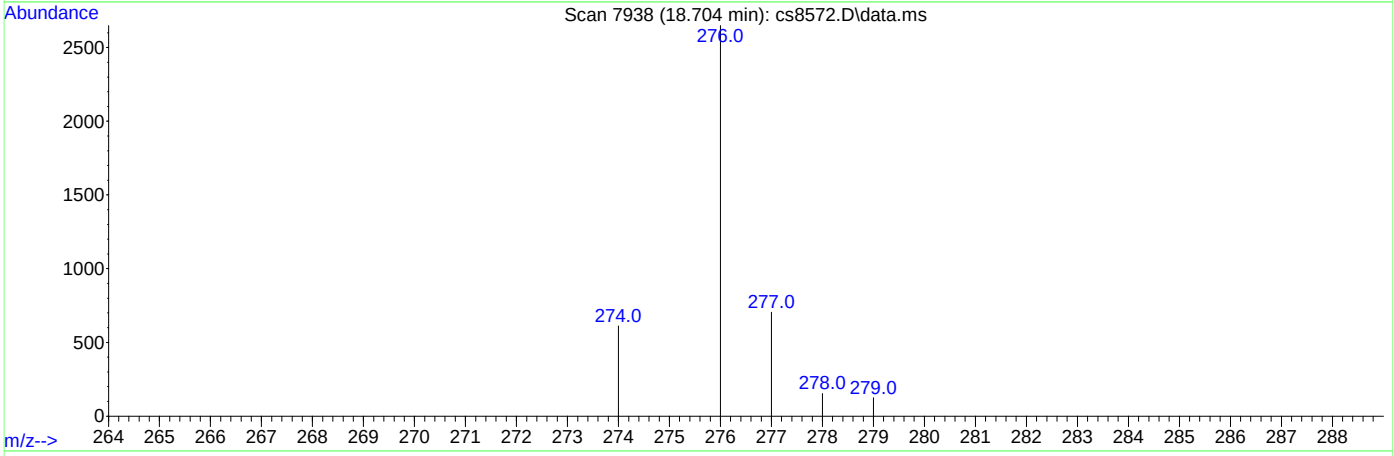
9.5.19.4

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8572.D
Acq On : 17 Sep 2025 01:15 pm
Operator : rocquans
Sample : ic446-0.04
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 46 Sample Multiplier: 1

Quant Time: Sep 17 16:33:50 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration





TIC: cs8572.D\data.ms

(32) Indeno[1,2,3-cd]pyrene (t)

18.704min (+0.004) 36.57ppb m

response 3785

Ion	Exp%	Act%
276.00	100	100
274.00	20.40	23.09
277.00	22.40	26.57
0.00	0.00	0.00

9.5.19.5

9

Manual Integrations APPROVED (compounds with "m" flag)
Ying Li
09/18/25 10:52

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8573.D
Acq On : 17 Sep 2025 01:42 pm
Operator : rocquans
Sample : ic446-0.1
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 47 Sample Multiplier: 1

Quant Time: Sep 17 15:46:00 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 15:40:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	9.077	150	59364	800.00	ppb	0.00
11) Fluorene-d10	10.394	176	77696	800.00	ppb	0.00
18) Fluoranthene-d10	12.985	212	118826	800.00	ppb	0.00
28) Benzo(a)pyrene-d12	17.077	264	63608	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	6.263	112	123033	1982.83	ppb	0.00
Spiked Amount 10000.000			Recovery = 19.83%			
4) Phenol-d5	7.188	99	144359	2011.69	ppb	0.00
Spiked Amount 10000.000			Recovery = 20.12%			
6) Nitrobenzene-d5	7.883	82	118239	2028.99	ppb	0.00
Spiked Amount 10000.000			Recovery = 20.29%			
12) 2-Fluorobiphenyl	9.331	172	268696	2069.78	ppb	0.00
Spiked Amount 10000.000			Recovery = 20.70%			
17) 2,4,6-Tribromophenol	10.686	330	28878	1963.45	ppb	0.00
Spiked Amount 10000.000			Recovery = 19.63%			
25) Terphenyl-d14	13.589	244	183155	2031.06	ppb	0.00
Spiked Amount 10000.000			Recovery = 20.31%			
Target Compounds						Qvalue
2) 1,4-Dioxane	4.506	88	2513	91.34	ppb	99
5) Phenol	7.199	94	41003	504.84	ppb	97
7) Naphthalene	8.467	128	21270	100.25	ppb	100
8) Hexachlorobutadiene	8.622	225	3116	100.39	ppb	98
9) 2-Methylnaphthalene	9.018	141	11709	99.70	ppb	98
10) 1-Methylnaphthalene	9.105	141	11291	99.87	ppb	99
13) Acenaphthylene	9.777	152	18815	95.28	ppb	100
14) Acenaphthene	9.942	153	13251	98.22	ppb	99
15) Fluorene	10.423	166	15167	99.52	ppb	97
19) Hexachlorobenzene	11.095	284	3992	98.69	ppb	98
20) Pentachlorophenol	11.295	266	9182	443.58	ppb	99
21) Phenanthrene	11.463	178	21403	98.67	ppb	98
22) Anthracene	11.516	178	19666	95.68	ppb	99
23) Fluoranthene	13.011	202	22782	100.33	ppb	99
24) Pyrene	13.318	202	22726	98.51	ppb	100
26) Benzo[a]anthracene	15.100	228	16126	95.86	ppb	100
27) Chrysene	15.161	228	16371	96.67	ppb	100
29) Benzo[b]fluoranthene	16.677	252	14039	99.04	ppb	99
30) Benzo[k]fluoranthene	16.709	252	13112	95.27	ppb	99
31) Benzo[a]pyrene	17.107	252	12848	98.29	ppb	99
32) Indeno[1,2,3-cd]pyrene	18.702	276	9950m	93.23	ppb	
33) Dibenz[a,h]anthracene	18.731	278	9848	97.53	ppb	99
34) Benzo[g,h,i]perylene	19.091	276	10037	96.73	ppb	100

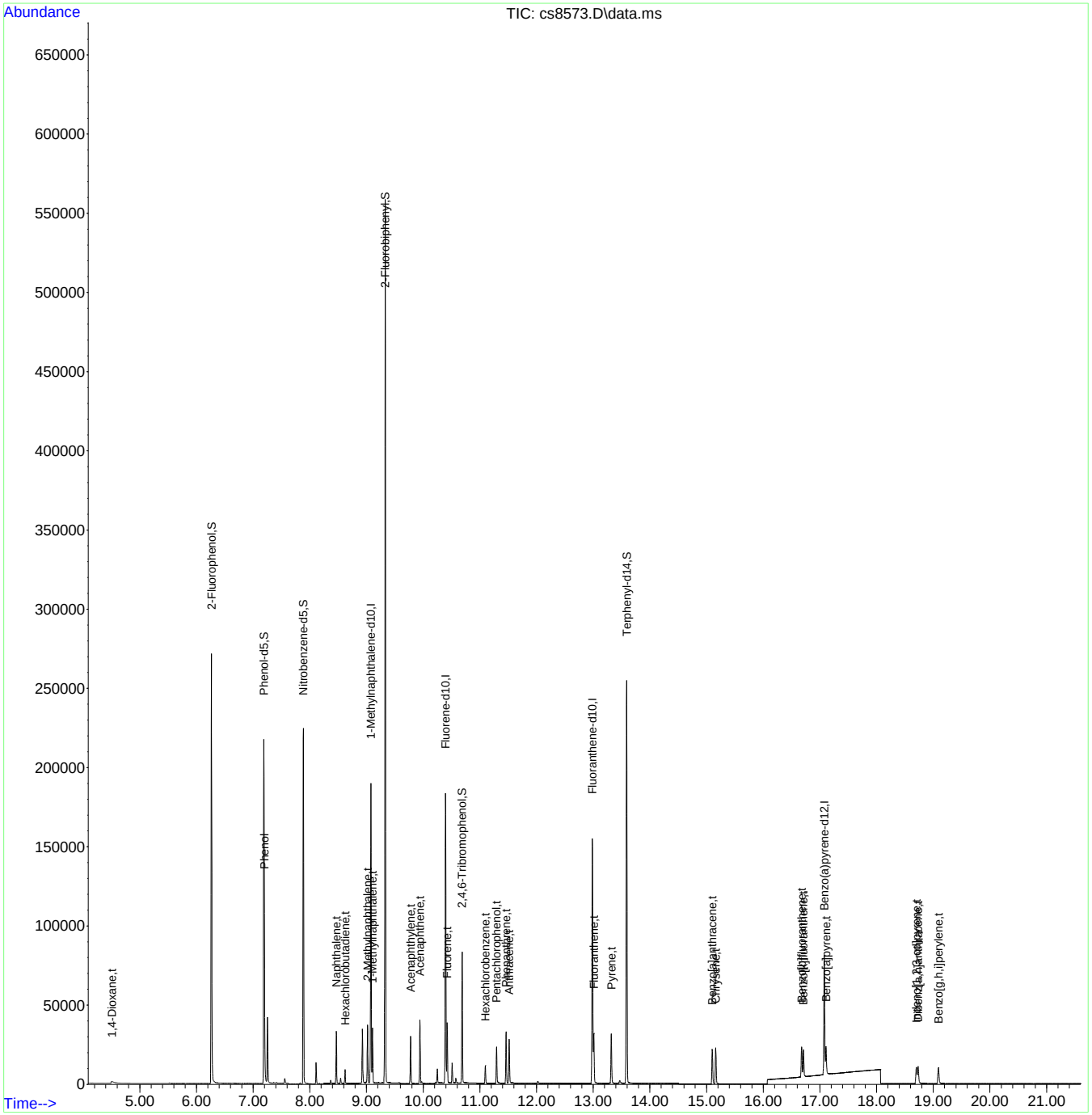
(#) = qualifier out of range (m) = manual integration (+) = signals summed

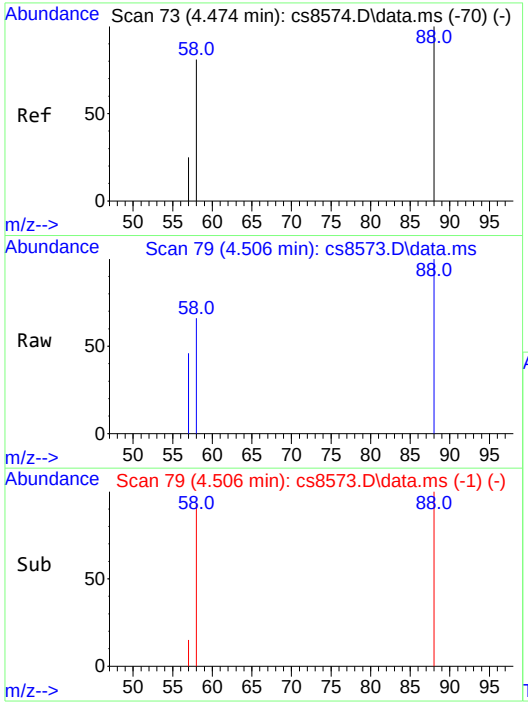
9.5.20
9

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8573.D
Acq On : 17 Sep 2025 01:42 pm
Operator : rocquans
Sample : ic446-0.1
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 47 Sample Multiplier: 1

Quant Time: Sep 17 15:46:00 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 15:40:02 2025
Response via : Initial Calibration

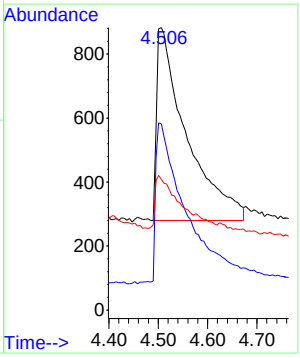


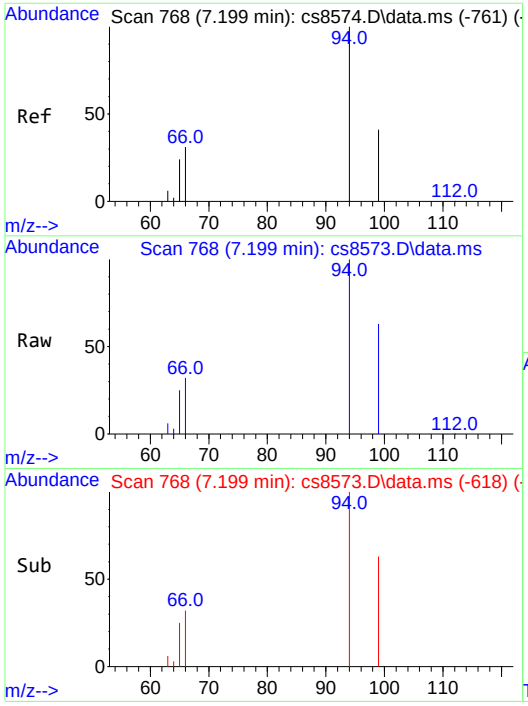


#2
1,4-Dioxane
Concen: 91.34 ppb
RT: 4.506 min Scan# 79
Delta R.T. 0.032 min
Lab File: cs8573.D
Acq: 17 Sep 2025 01:42 pm

Tgt Ion: 88 Resp: 2513

Ion	Ratio	Lower	Upper
88	100		
58	80.7	61.3	101.3
57	25.5	5.8	45.8

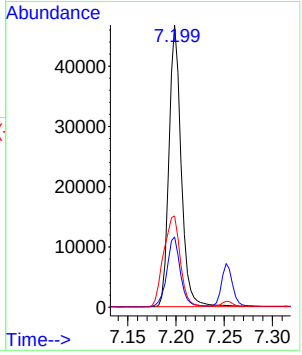


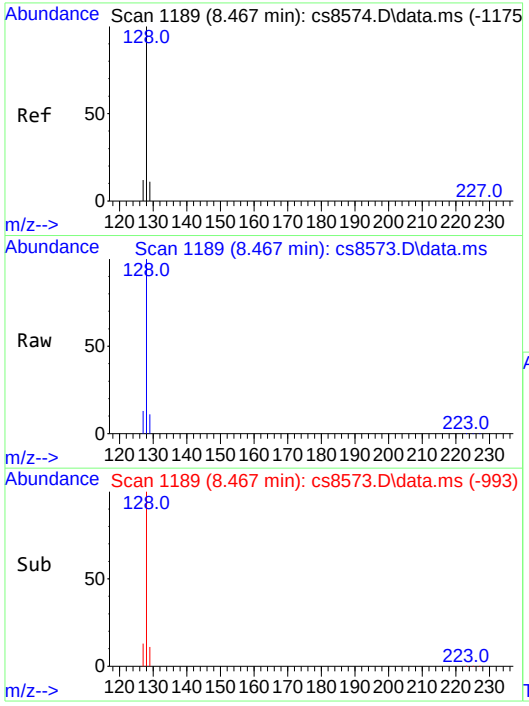


#5
Phenol
Concen: 504.84 ppb
RT: 7.199 min Scan# 768
Delta R.T. -0.000 min
Lab File: cs8573.D
Acq: 17 Sep 2025 01:42 pm

Tgt Ion: 94 Resp: 41003

Ion	Ratio	Lower	Upper
94	100		
65	24.3	17.0	25.4
66	31.1	24.6	37.0

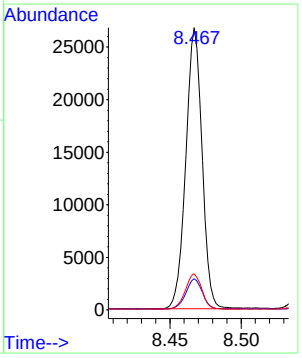


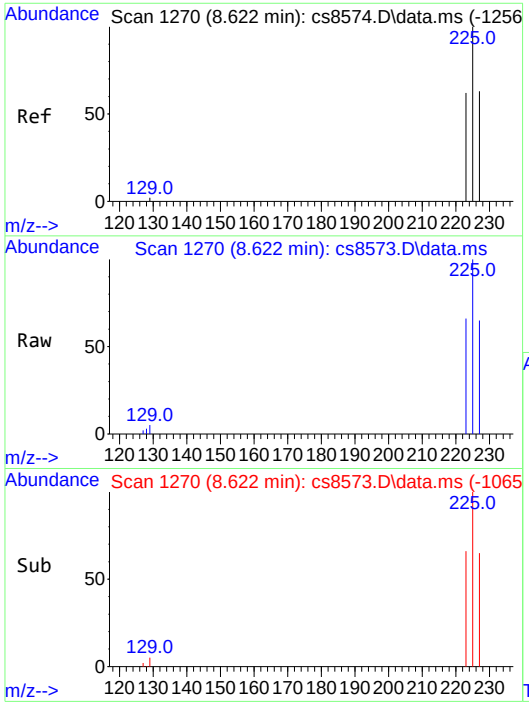


#7
Naphthalene
Concen: 100.25 ppb
RT: 8.467 min Scan# 1189
Delta R.T. -0.000 min
Lab File: cs8573.D
Acq: 17 Sep 2025 01:42 pm

Tgt Ion:128 Resp: 21270

Ion	Ratio	Lower	Upper
128	100		
129	10.7	0.0	40.8
127	12.6	0.0	42.4

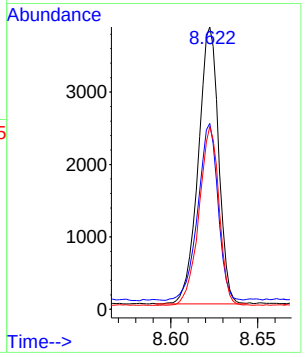


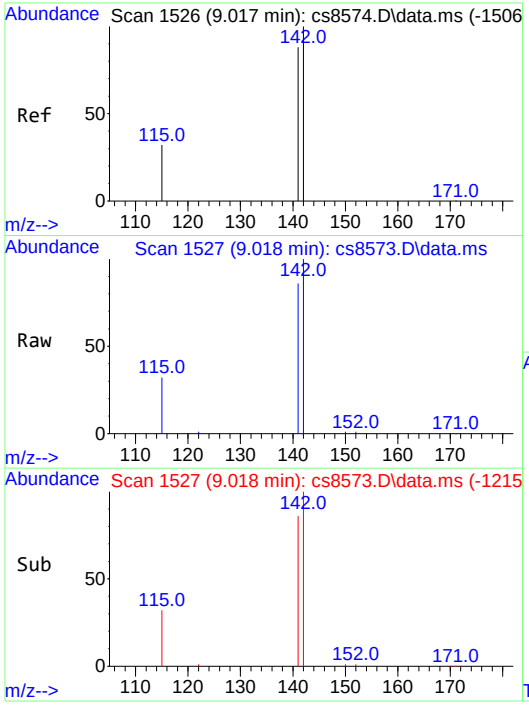


#8
Hexachlorobutadiene
Concen: 100.39 ppb
RT: 8.622 min Scan# 1270
Delta R.T. -0.000 min
Lab File: cs8573.D
Acq: 17 Sep 2025 01:42 pm

Tgt Ion:225 Resp: 3116

Ion	Ratio	Lower	Upper
225	100		
223	63.6	31.8	91.8
227	64.4	32.6	92.6

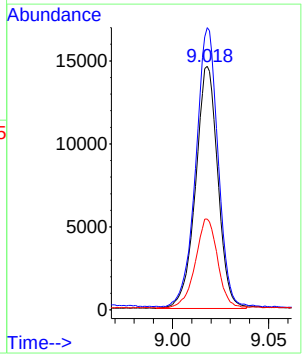


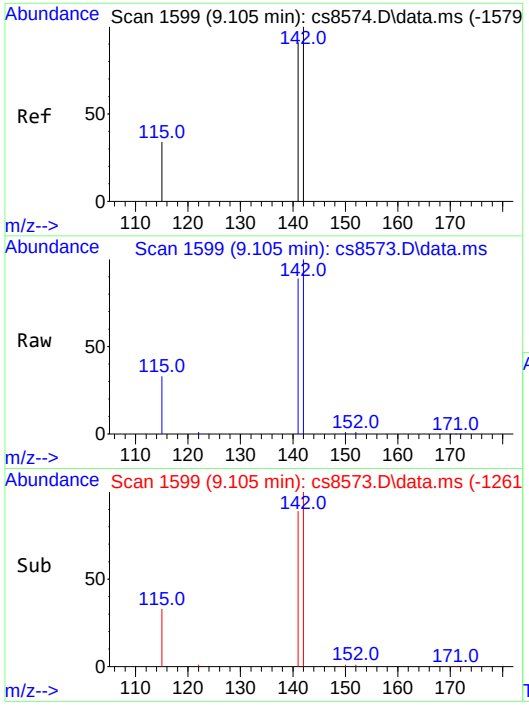


#9
2-Methylnaphthalene
Concen: 99.70 ppb
RT: 9.018 min Scan# 1527
Delta R.T. 0.001 min
Lab File: cs8573.D
Acq: 17 Sep 2025 01:42 pm

Tgt Ion:141 Resp: 11709

Ion	Ratio	Lower	Upper
141	100		
142	115.4	83.1	143.1
115	36.6	5.8	65.8

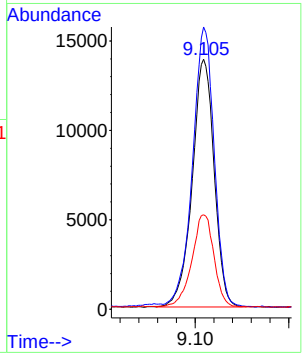




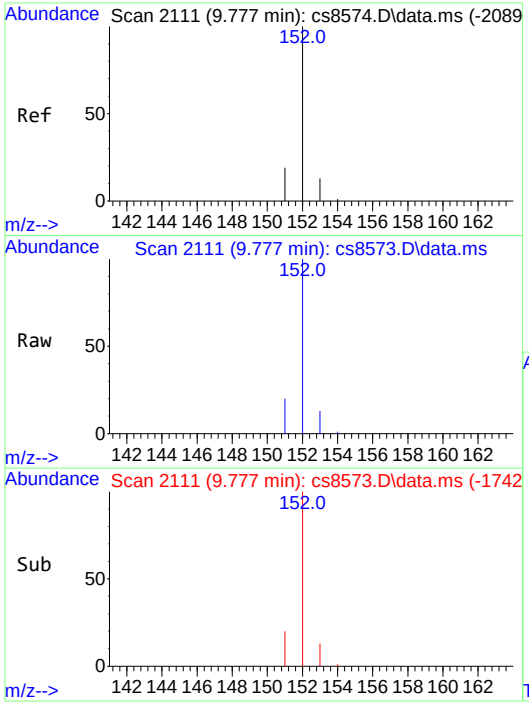
#10
1-Methylnaphthalene
Concen: 99.87 ppb
RT: 9.105 min Scan# 1599
Delta R.T. -0.000 min
Lab File: cs8573.D
Acq: 17 Sep 2025 01:42 pm

Tgt Ion:141 Resp: 11291

Ion	Ratio	Lower	Upper
141	100		
142	112.4	80.8	140.8
115	37.0	7.2	67.2



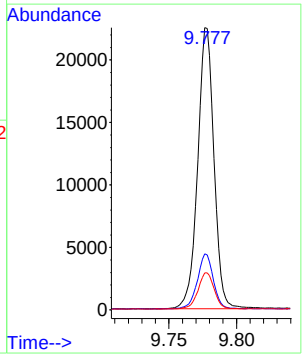
9.5.20
9

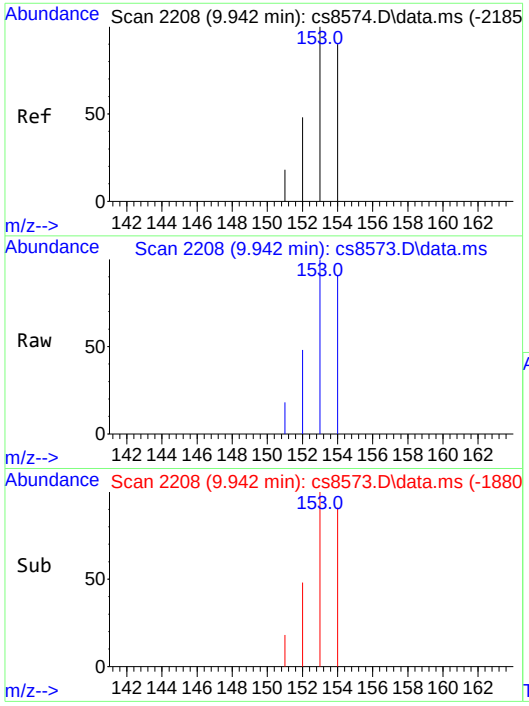


#13
Acenaphthylene
Concen: 95.28 ppb
RT: 9.777 min Scan# 2111
Delta R.T. -0.000 min
Lab File: cs8573.D
Acq: 17 Sep 2025 01:42 pm

Tgt Ion:152 Resp: 18815

Ion	Ratio	Lower	Upper
152	100		
151	19.6	0.0	49.3
153	12.8	0.0	42.7

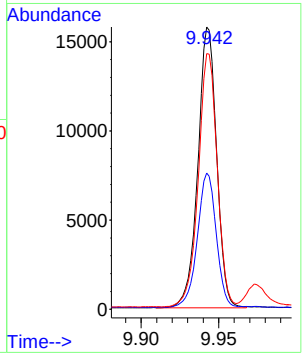


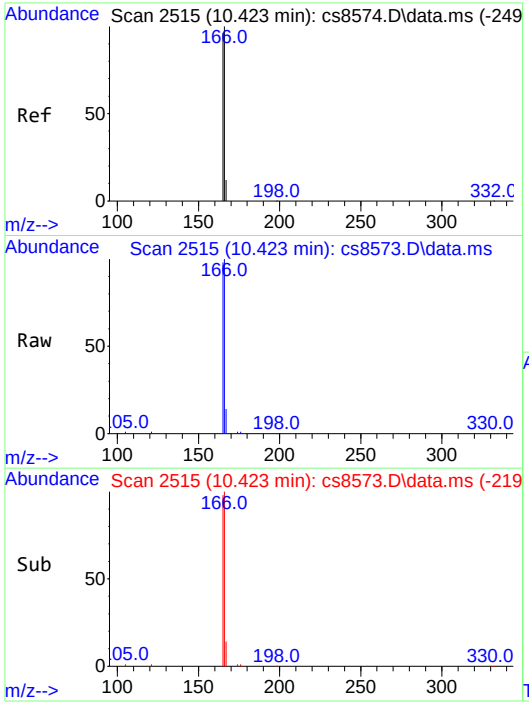


#14
Acenaphthene
Concen: 98.22 ppb
RT: 9.942 min Scan# 2208
Delta R.T. -0.000 min
Lab File: cs8573.D
Acq: 17 Sep 2025 01:42 pm

Tgt Ion:153 Resp: 13251

Ion	Ratio	Lower	Upper
153	100		
152	47.8	17.7	77.7
154	88.0	59.5	119.5

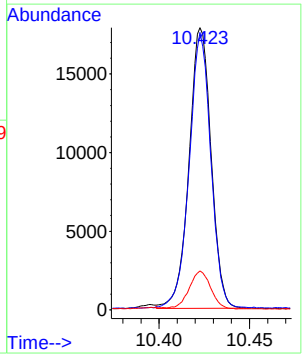


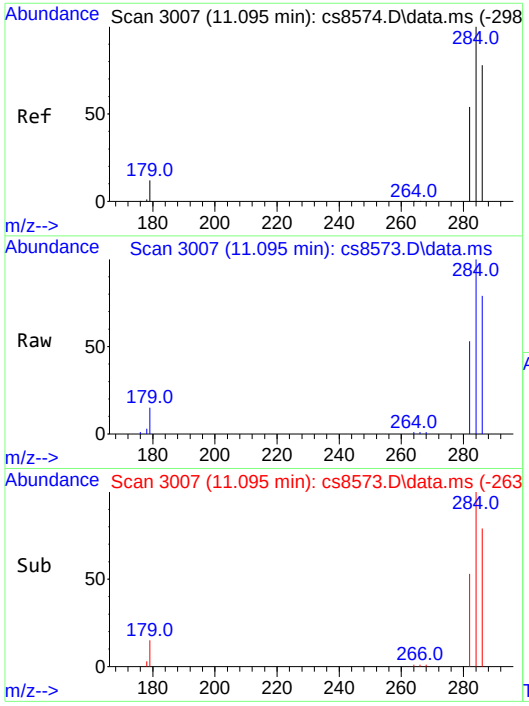


#15
Fluorene
Concen: 99.52 ppb
RT: 10.423 min Scan# 2515
Delta R.T. -0.000 min
Lab File: cs8573.D
Acq: 17 Sep 2025 01:42 pm

Tgt Ion:166 Resp: 15167

Ion	Ratio	Lower	Upper
166	100		
165	98.5	65.7	125.7
167	13.4	0.0	42.4

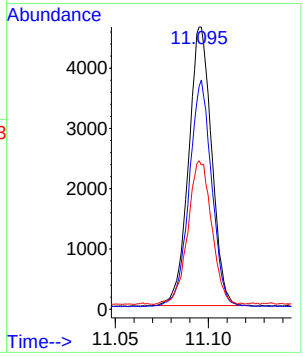


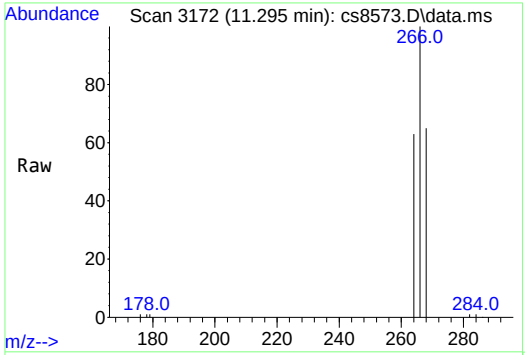


#19
Hexachlorobenzene
Concen: 98.69 ppb
RT: 11.095 min Scan# 3007
Delta R.T. -0.000 min
Lab File: cs8573.D
Acq: 17 Sep 2025 01:42 pm

Tgt Ion:284 Resp: 3992

Ion	Ratio	Lower	Upper
284	100		
286	78.6	48.0	108.0
282	51.3	23.8	83.8

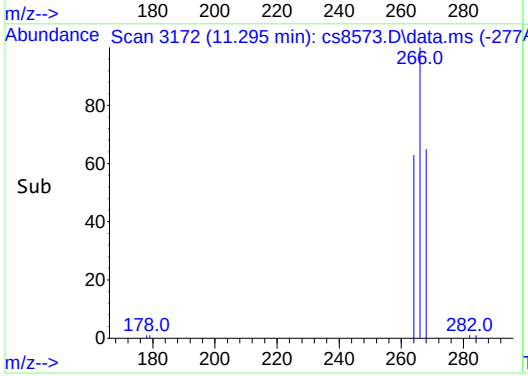


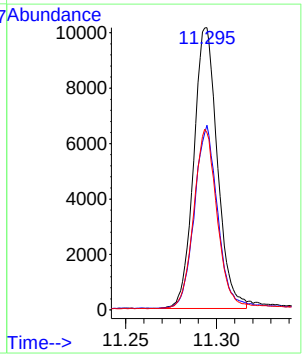


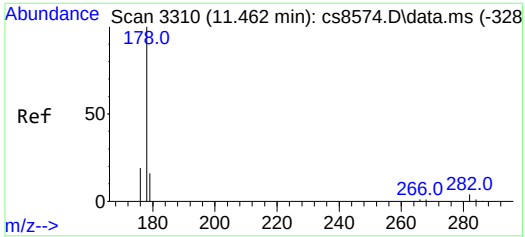
#20
Pentachlorophenol
Concen: 443.58 ppb
RT: 11.295 min Scan# 3172
Delta R.T. 0.001 min
Lab File: cs8573.D
Acq: 17 Sep 2025 01:42 pm

Tgt Ion:266 Resp: 9182

Ion	Ratio	Lower	Upper
266	100		
268	63.6	43.1	83.1
264	62.6	43.0	83.0



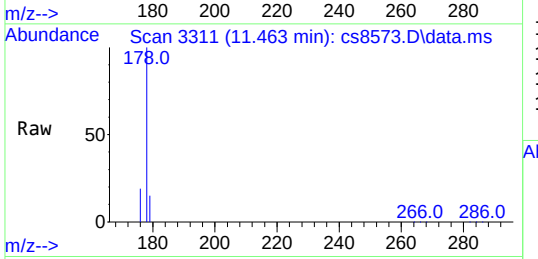


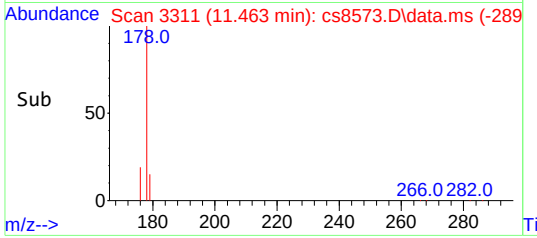


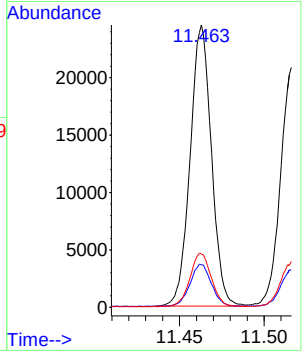
#21
Phenanthrene
Concen: 98.67 ppb
RT: 11.463 min Scan# 3311
Delta R.T. 0.001 min
Lab File: cs8573.D
Acq: 17 Sep 2025 01:42 pm

Tgt Ion:178 Resp: 21403

Ion	Ratio	Lower	Upper
178	100		
179	14.7	0.0	45.7
176	18.7	0.0	49.2

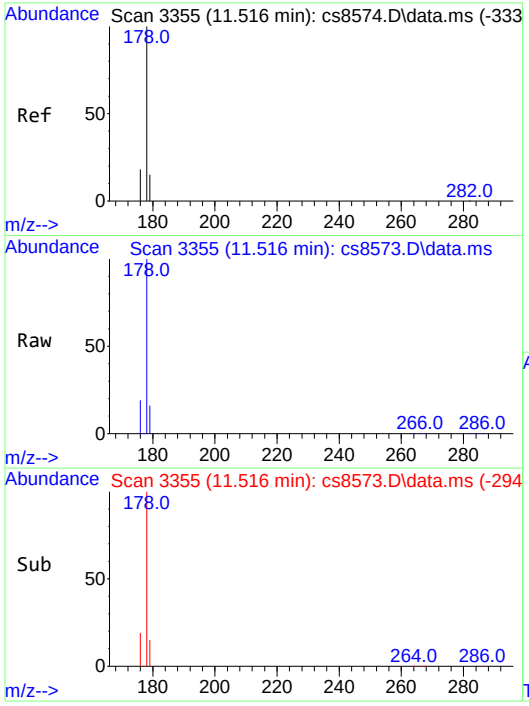






9.5.20

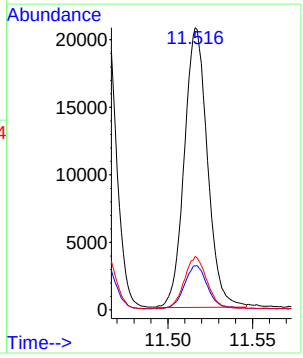
9

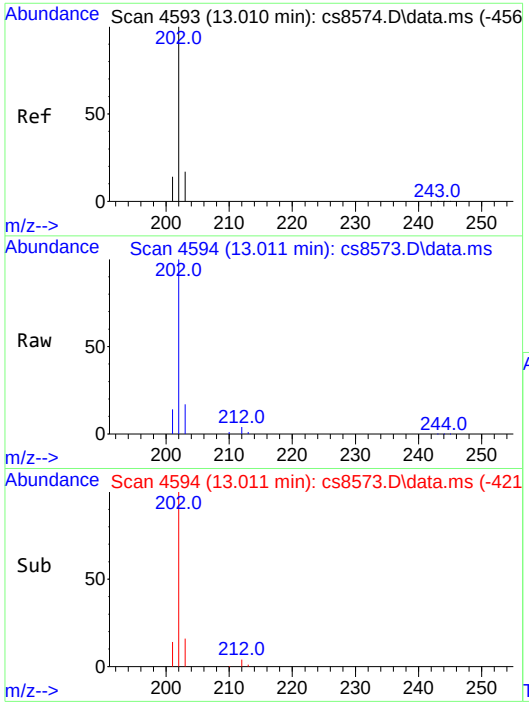


#22
Anthracene
Concen: 95.68 ppb
RT: 11.516 min Scan# 3355
Delta R.T. -0.000 min
Lab File: cs8573.D
Acq: 17 Sep 2025 01:42 pm

Tgt Ion:178 Resp: 19666

Ion	Ratio	Lower	Upper
178	100		
179	15.3	0.0	45.2
176	18.8	0.0	48.4

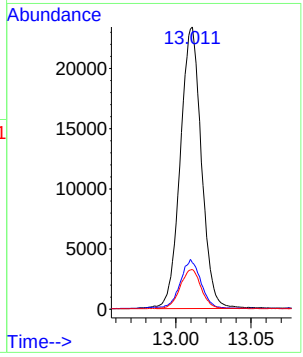


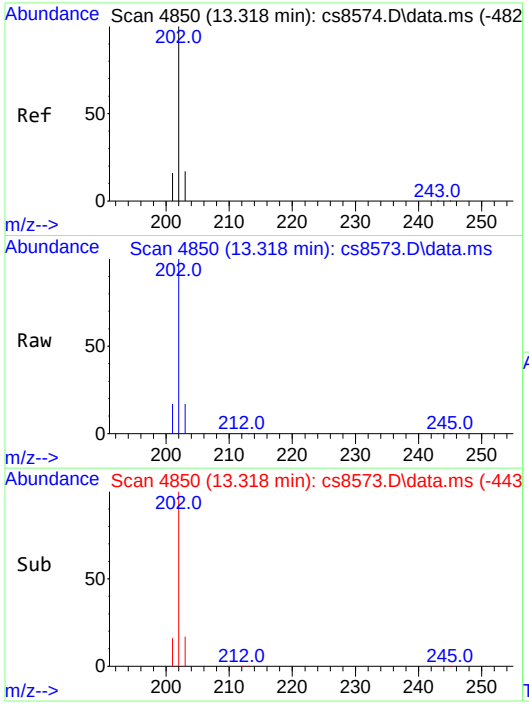


#23
Fluoranthene
Concen: 100.33 ppb
RT: 13.011 min Scan# 4594
Delta R.T. 0.001 min
Lab File: cs8573.D
Acq: 17 Sep 2025 01:42 pm

Tgt Ion:202 Resp: 22782

Ion	Ratio	Lower	Upper
202	100		
203	16.1	0.0	47.2
201	14.0	0.0	44.0

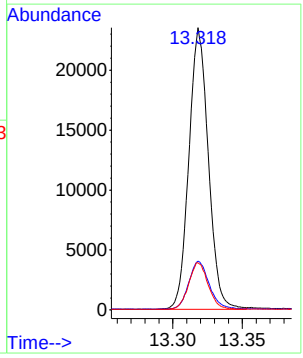


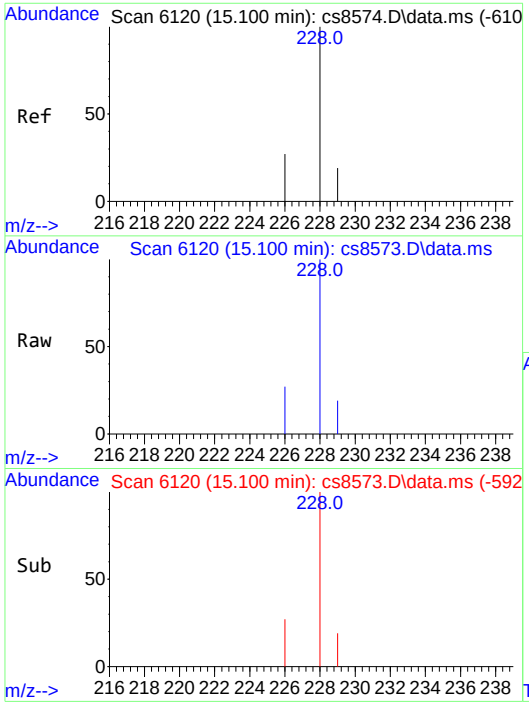


#24
Pyrene
Concen: 98.51 ppb
RT: 13.318 min Scan# 4850
Delta R.T. -0.000 min
Lab File: cs8573.D
Acq: 17 Sep 2025 01:42 pm

Tgt Ion:202 Resp: 22726

Ion	Ratio	Lower	Upper
202	100		
203	17.1	0.0	47.1
201	16.5	0.0	46.4

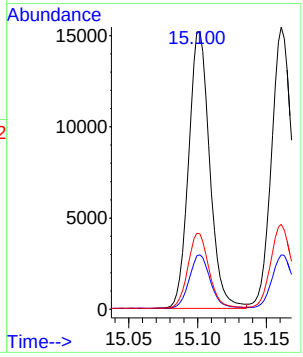


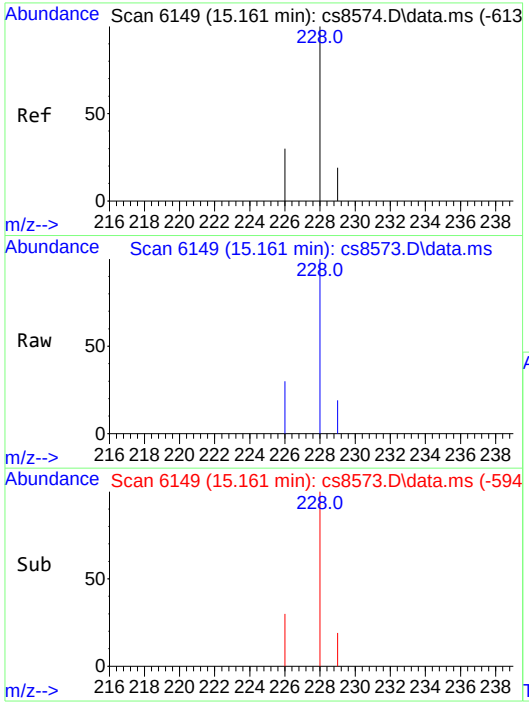


#26
Benzo[a]anthracene
Concen: 95.86 ppb
RT: 15.100 min Scan# 6120
Delta R.T. -0.000 min
Lab File: cs8573.D
Acq: 17 Sep 2025 01:42 pm

Tgt Ion:228 Resp: 16126

Ion	Ratio	Lower	Upper
228	100		
229	19.0	0.0	49.1
226	27.1	0.0	57.0

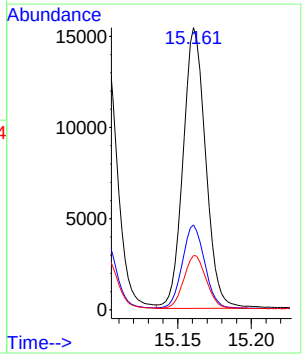


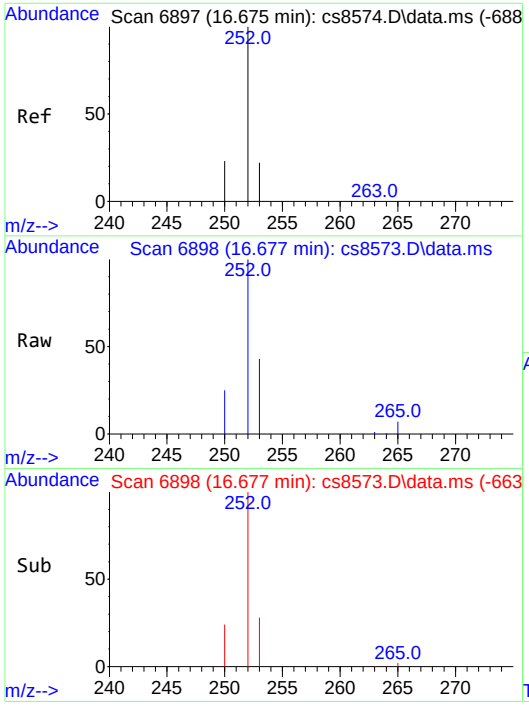


#27
Chrysene
Concen: 96.67 ppb
RT: 15.161 min Scan# 6149
Delta R.T. -0.000 min
Lab File: cs8573.D
Acq: 17 Sep 2025 01:42 pm

Tgt Ion:228 Resp: 16371

Ion	Ratio	Lower	Upper
228	100		
226	29.9	0.0	59.6
229	19.0	0.0	49.1

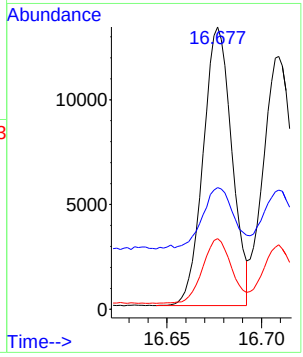


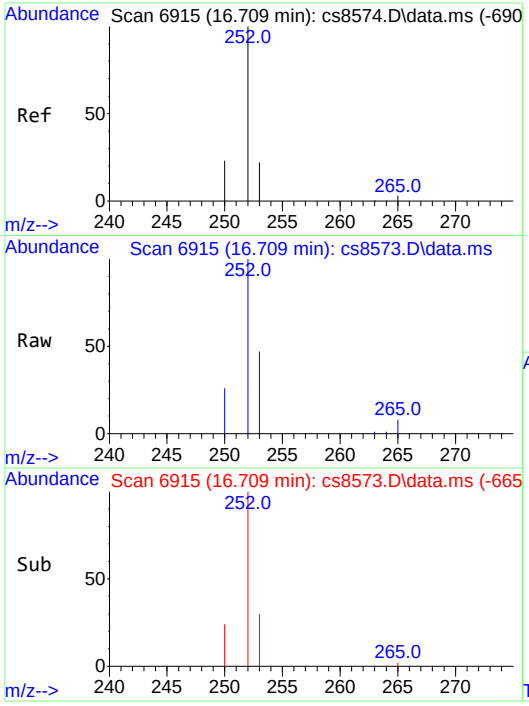


#29
Benzo[b]fluoranthene
Concen: 99.04 ppb
RT: 16.677 min Scan# 6898
Delta R.T. 0.002 min
Lab File: cs8573.D
Acq: 17 Sep 2025 01:42 pm

Tgt Ion:252 Resp: 14039

Ion	Ratio	Lower	Upper
252	100		
253	21.3	0.0	51.5
250	23.1	0.0	53.4

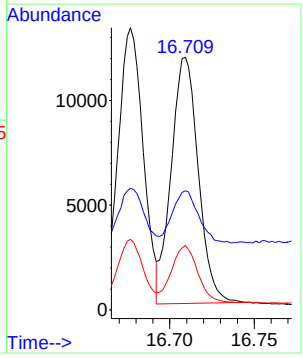


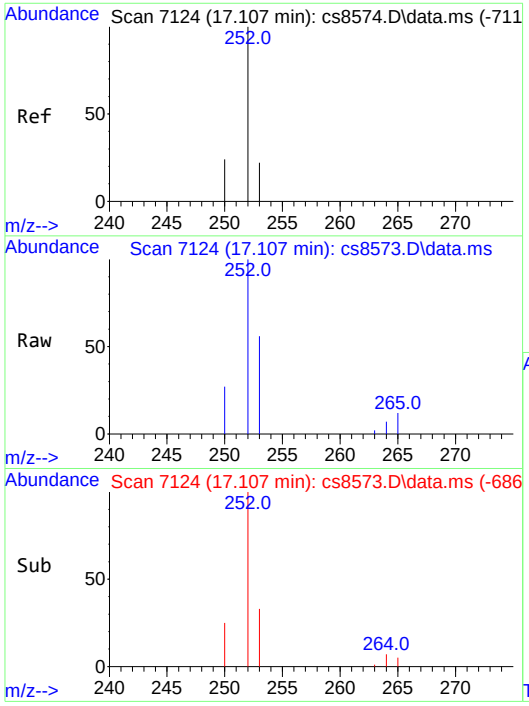


#30
Benzo[k]fluoranthene
Concen: 95.27 ppb
RT: 16.709 min Scan# 6915
Delta R.T. -0.000 min
Lab File: cs8573.D
Acq: 17 Sep 2025 01:42 pm

Tgt Ion:252 Resp: 13112

Ion	Ratio	Lower	Upper
252	100		
253	21.6	0.0	51.3
250	23.4	0.0	53.2

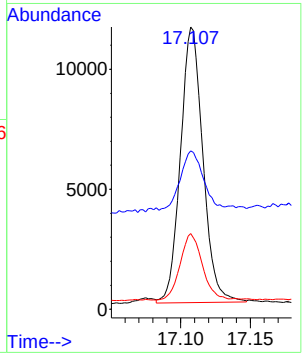


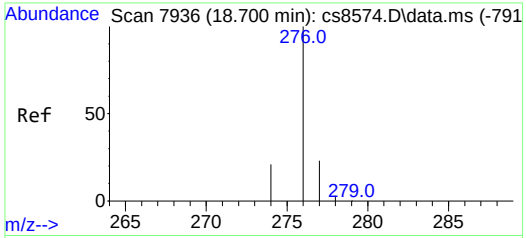


#31
Benzo[a]pyrene
Concen: 98.29 ppb
RT: 17.107 min Scan# 7124
Delta R.T. -0.000 min
Lab File: cs8573.D
Acq: 17 Sep 2025 01:42 pm

Tgt Ion:252 Resp: 12848

Ion	Ratio	Lower	Upper
252	100		
253	21.0	0.0	51.3
250	24.0	0.0	53.7

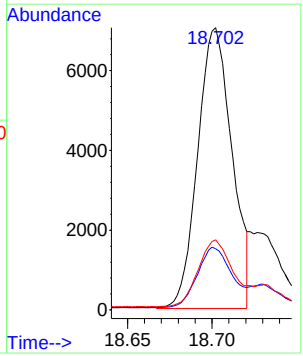


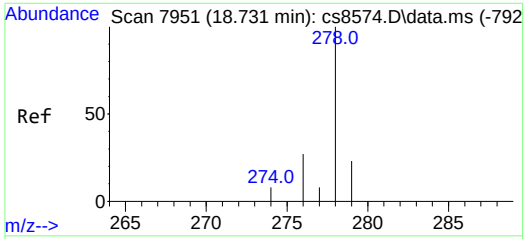


#32
Indeno[1,2,3-cd]pyrene
Concen: 93.23 ppb m
RT: 18.702 min Scan# 7937
Delta R.T. 0.002 min
Lab File: cs8573.D
Acq: 17 Sep 2025 01:42 pm

Tgt Ion:276 Resp: 9950

Ion	Ratio	Lower	Upper
276	100		
274	21.6	0.0	50.4
277	24.8	0.0	52.4

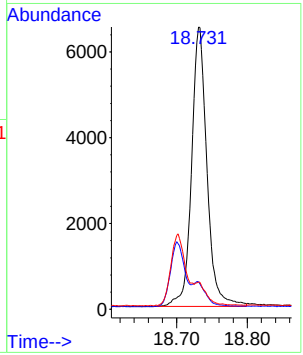


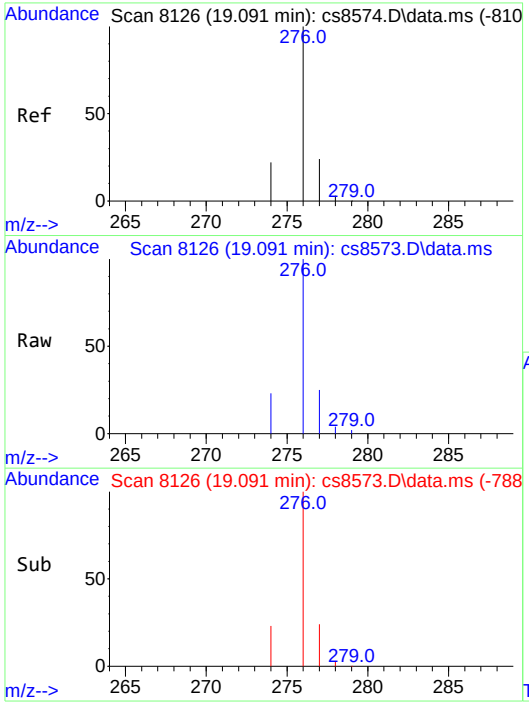


#33
Dibenz[a,h]anthracene
Concen: 97.53 ppb
RT: 18.731 min Scan# 7951
Delta R.T. -0.000 min
Lab File: cs8573.D
Acq: 17 Sep 2025 01:42 pm

Tgt Ion:278 Resp: 9848

Ion	Ratio	Lower	Upper
278	100		
274	8.8	0.0	38.4
277	8.4	0.0	37.8

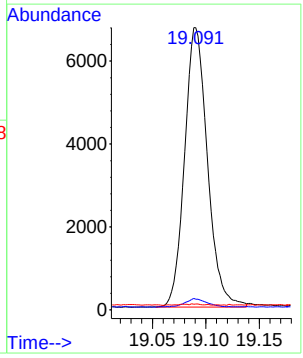




#34
Benzo[g,h,i]perylene
Concen: 96.73 ppb
RT: 19.091 min Scan# 8126
Delta R.T. -0.000 min
Lab File: cs8573.D
Acq: 17 Sep 2025 01:42 pm

Tgt Ion:276 Resp: 10037

Ion	Ratio	Lower	Upper
276	100		
278	2.7	0.0	32.6
279	0.4	0.0	30.2



9.5.20

9

Manual Integration Approval Summary

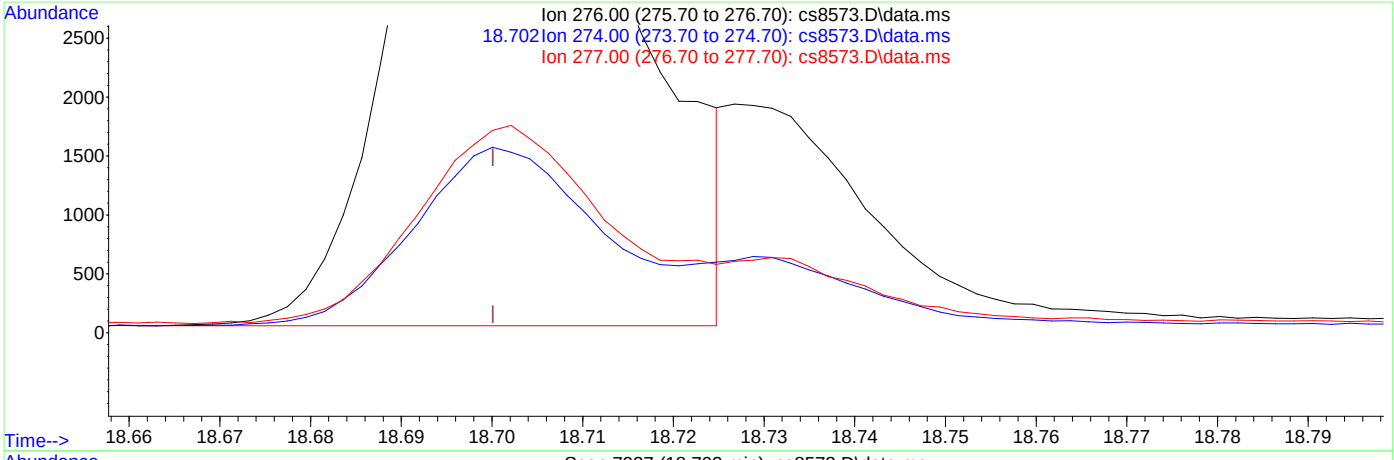
Sample Number: ECS446-IC446
Lab FileID: CS8573.D
Injection Time: 09/17/25 13:42
Method: SW846 8270E BY SIM
Analyst approved: 09/17/25 18:29 Rocquan Salters
Supervisor approved: 09/18/25 10:52 Ying Li

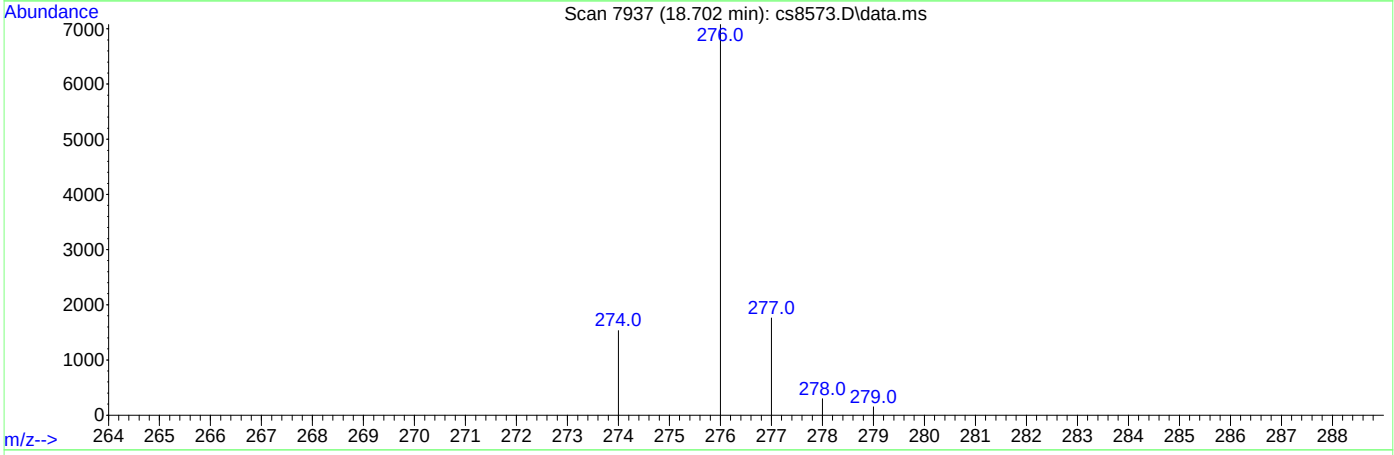
Parameter	CAS	Sig#	R.T. (min.)	Reason
Indeno(1,2,3-cd)pyrene	193-39-5		18.70	Baseline ripple

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8573.D
Acq On : 17 Sep 2025 01:42 pm
Operator : rocquans
Sample : ic446-0.1
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 47 Sample Multiplier: 1

Quant Time: Sep 17 15:46:00 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 15:40:02 2025
Response via : Initial Calibration





TIC: cs8573.D\data.ms

(32) Indeno[1,2,3-cd]pyrene (t)

18.702min (+0.002) 96.88ppb

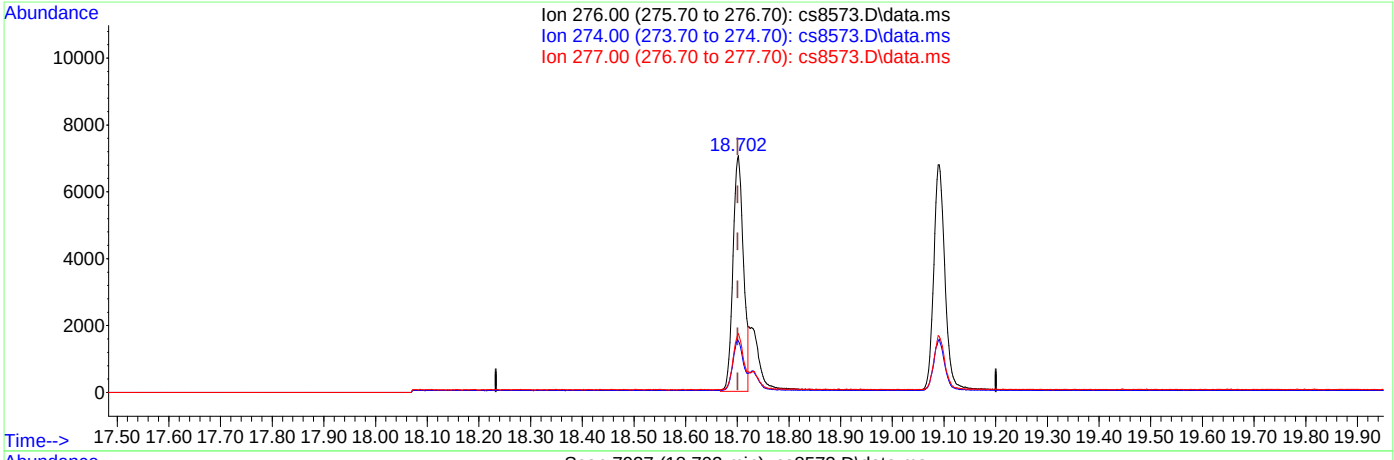
response 10339

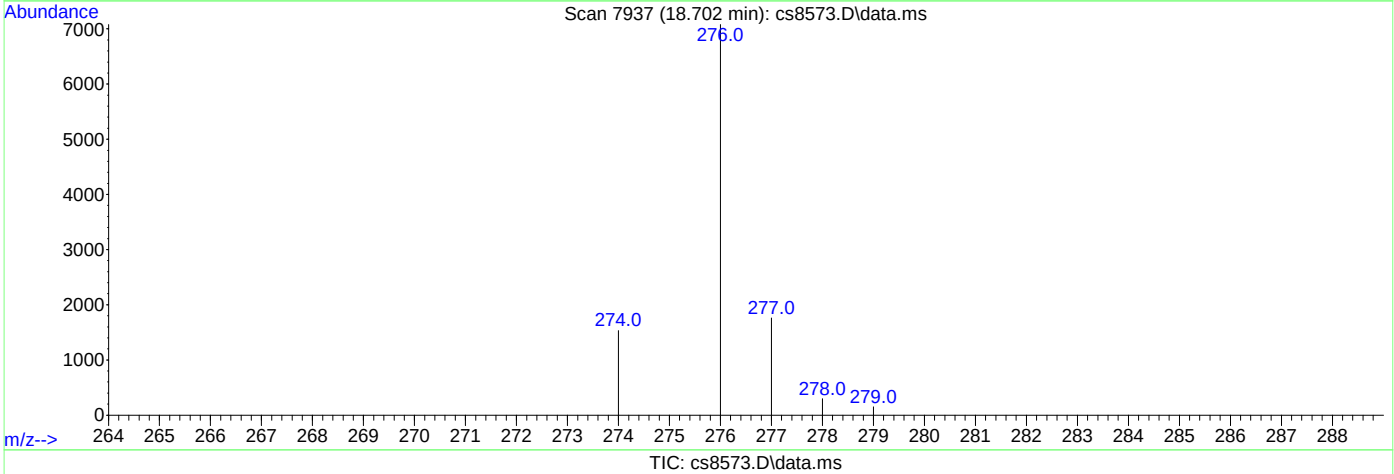
Ion	Exp%	Act%
276.00	100	100
274.00	20.40	19.70
277.00	22.40	23.43
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8573.D
Acq On : 17 Sep 2025 01:42 pm
Operator : rocquans
Sample : ic446-0.1
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 47 Sample Multiplier: 1

Quant Time: Sep 17 15:46:00 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 15:40:02 2025
Response via : Initial Calibration





TIC: cs8573.D\data.ms

(32) Indeno[1,2,3-cd]pyrene (t)

18.702min (+0.002) 93.23ppb m

response 9950

Ion	Exp%	Act%
276.00	100	100
274.00	20.40	21.64
277.00	22.40	24.84
0.00	0.00	0.00

9.5.20.3

9

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8574.D
Acq On : 17 Sep 2025 02:09 pm
Operator : rocquans
Sample : icc446-0.2
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Sep 17 16:36:31 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration

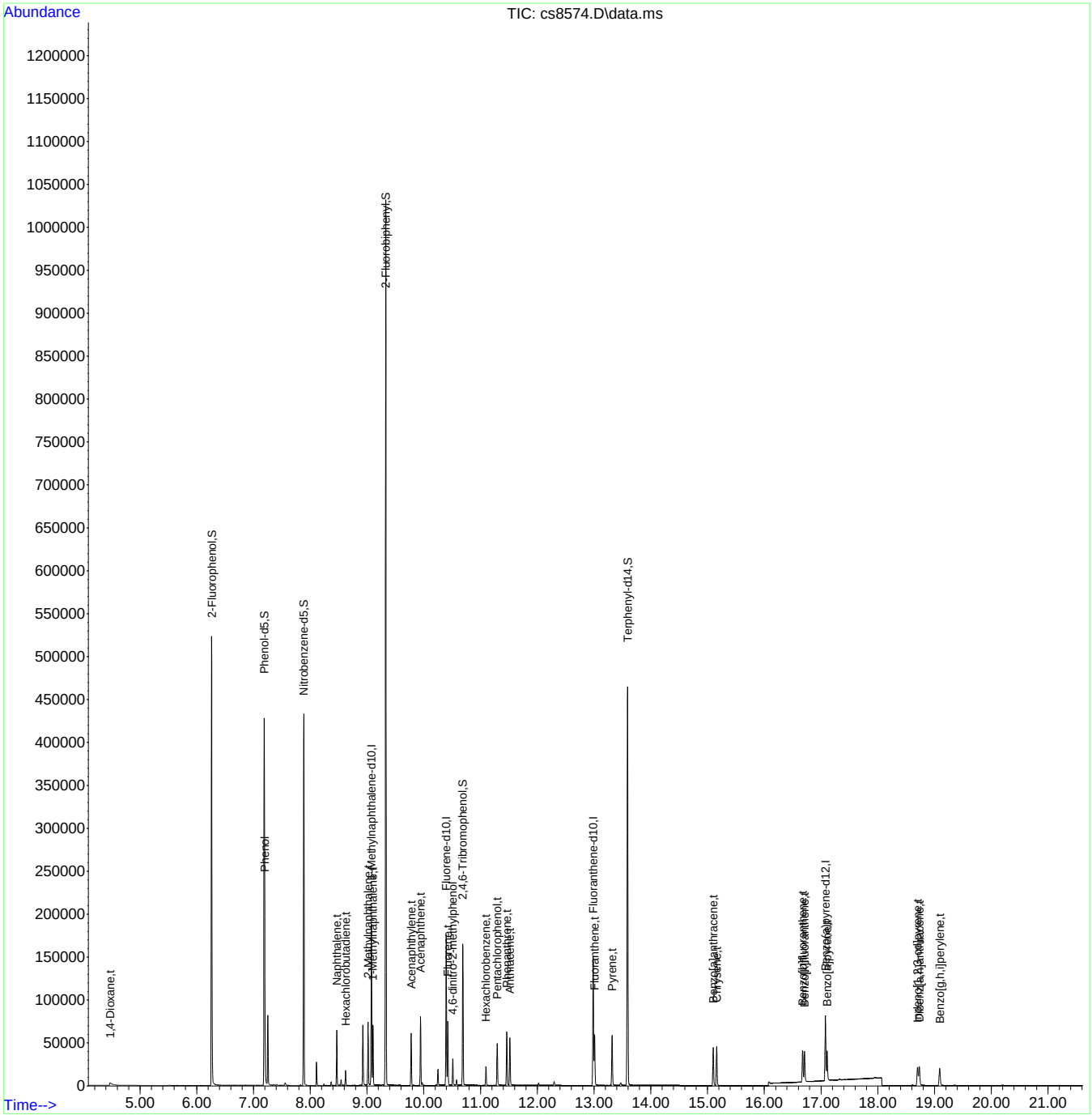
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	9.077	150	57384	800.00	ppb	0.00
11) Fluorene-d10	10.396	176	74464	800.00	ppb	0.00
18) Fluoranthene-d10	12.985	212	111847	800.00	ppb	0.00
28) Benzo(a)pyrene-d12	17.077	264	62466	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	6.263	112	239919	4000.00	ppb	0.00
Spiked Amount 10000.000			Recovery = 40.00%			
4) Phenol-d5	7.189	99	277466	4000.00	ppb	0.00
Spiked Amount 10000.000			Recovery = 40.00%			
6) Nitrobenzene-d5	7.883	82	225324	4000.00	ppb	0.00
Spiked Amount 10000.000			Recovery = 40.00%			
12) 2-Fluorobiphenyl	9.331	172	497674	4000.00	ppb	0.00
Spiked Amount 10000.000			Recovery = 40.00%			
17) 2,4,6-Tribromophenol	10.687	330	56384	4000.00	ppb	0.00
Spiked Amount 10000.000			Recovery = 40.00%			
25) Terphenyl-d14	13.591	244	339522	4000.00	ppb	0.00
Spiked Amount 10000.000			Recovery = 40.00%			
Target Compounds						Qvalue
2) 1,4-Dioxane	4.474	88	5319	200.00	ppb	100
5) Phenol	7.199	94	78511	1000.00	ppb	100
7) Naphthalene	8.467	128	41017	200.00	ppb	100
8) Hexachlorobutadiene	8.622	225	6001	200.00	ppb	100
9) 2-Methylnaphthalene	9.017	141	22704	200.00	ppb	100
10) 1-Methylnaphthalene	9.105	141	21857	200.00	ppb	100
13) Acenaphthylene	9.777	152	37852	200.00	ppb	100
14) Acenaphthene	9.942	153	25861	200.00	ppb	100
15) Fluorene	10.423	166	29213	200.00	ppb	100
16) 4,6-dinitro-2-methylph...	10.511	198	13081	1000.00	ppb	100
19) Hexachlorobenzene	11.095	284	7615	200.00	ppb	100
20) Pentachlorophenol	11.294	266	19484	1000.00	ppb	100
21) Phenanthrene	11.462	178	40833	200.00	ppb	100
22) Anthracene	11.516	178	38695	200.00	ppb	100
23) Fluoranthene	13.010	202	42748	200.00	ppb	100
24) Pyrene	13.318	202	43431	200.00	ppb	100
26) Benzo[a]anthracene	15.100	228	31670	200.00	ppb	100
27) Chrysene	15.161	228	31880	200.00	ppb	100
29) Benzo[b]fluoranthene	16.675	252	27840	200.00	ppb	100
30) Benzo[k]fluoranthene	16.709	252	27031	200.00	ppb	100
31) Benzo[a]pyrene	17.107	252	25674	200.00	ppb	100
32) Indeno[1,2,3-cd]pyrene	18.700	276	20961	200.00	ppb	100
33) Dibenz[a,h]anthracene	18.731	278	19833	200.00	ppb	100
34) Benzo[g,h,i]perylene	19.091	276	20381	200.00	ppb	100

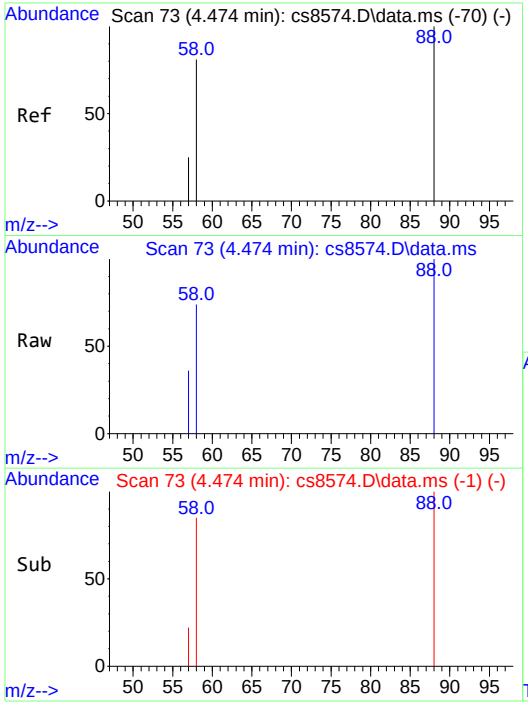
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8574.D
Acq On : 17 Sep 2025 02:09 pm
Operator : rocquans
Sample : icc446-0.2
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Sep 17 16:36:31 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration

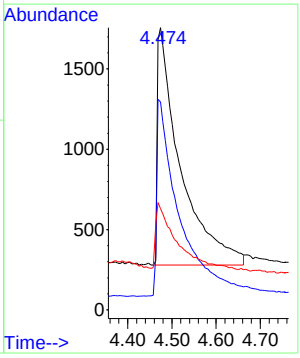


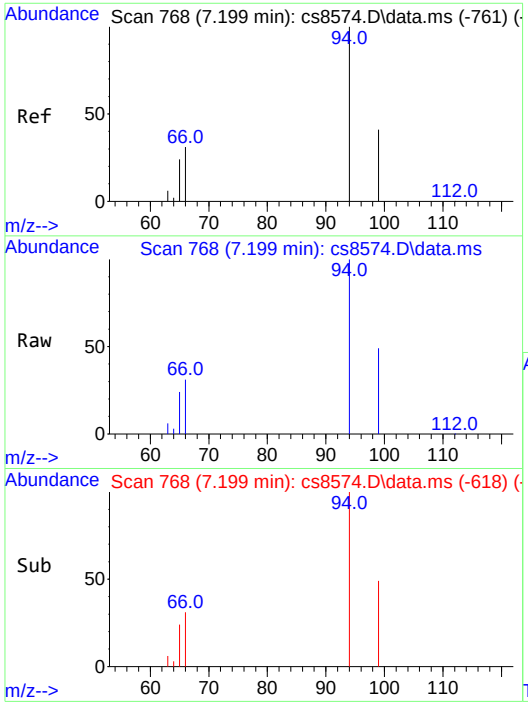


#2
1,4-Dioxane
Concen: 200.00 ppb
RT: 4.474 min Scan# 73
Delta R.T. 0.000 min
Lab File: cs8574.D
Acq: 17 Sep 2025 02:09 pm

Tgt Ion: 88 Resp: 5319

Ion	Ratio	Lower	Upper
88	100		
58	81.3	61.3	101.3
57	25.8	5.8	45.8

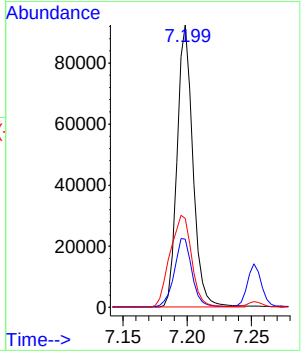


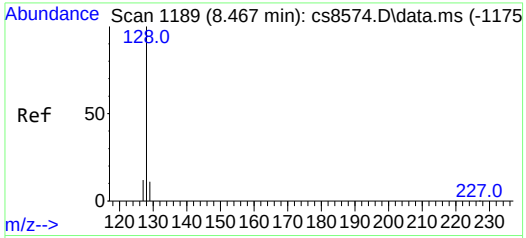


#5
Phenol
Concen: 1000.00 ppb
RT: 7.199 min Scan# 768
Delta R.T. 0.000 min
Lab File: cs8574.D
Acq: 17 Sep 2025 02:09 pm

Tgt Ion: 94 Resp: 78511

Ion	Ratio	Lower	Upper
94	100		
65	21.2	17.0	25.4
66	30.8	24.6	37.0

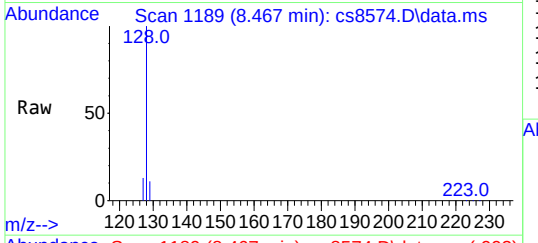


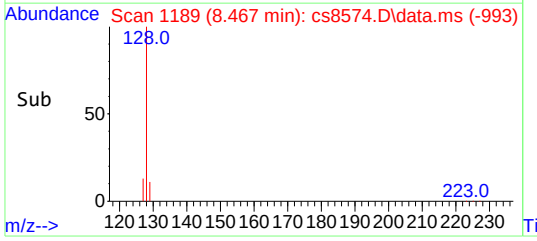


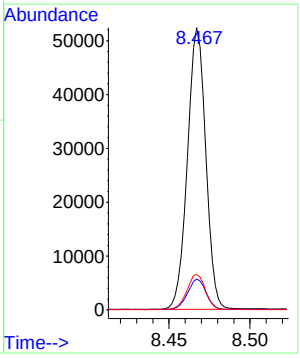
#7
Naphthalene
Concen: 200.00 ppb
RT: 8.467 min Scan# 1189
Delta R.T. 0.000 min
Lab File: cs8574.D
Acq: 17 Sep 2025 02:09 pm

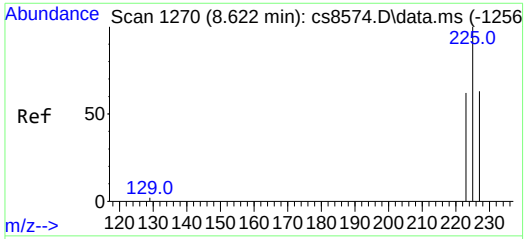
Tgt Ion:128 Resp: 41017

Ion	Ratio	Lower	Upper
128	100		
129	10.8	0.0	40.8
127	12.4	0.0	42.4





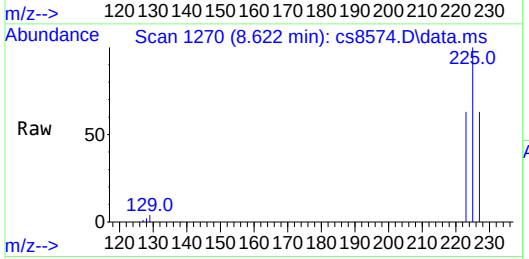


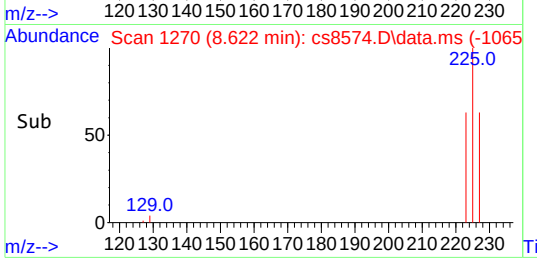


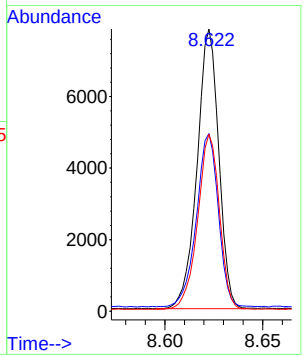
#8
Hexachlorobutadiene
Concen: 200.00 ppb
RT: 8.622 min Scan# 1270
Delta R.T. 0.000 min
Lab File: cs8574.D
Acq: 17 Sep 2025 02:09 pm

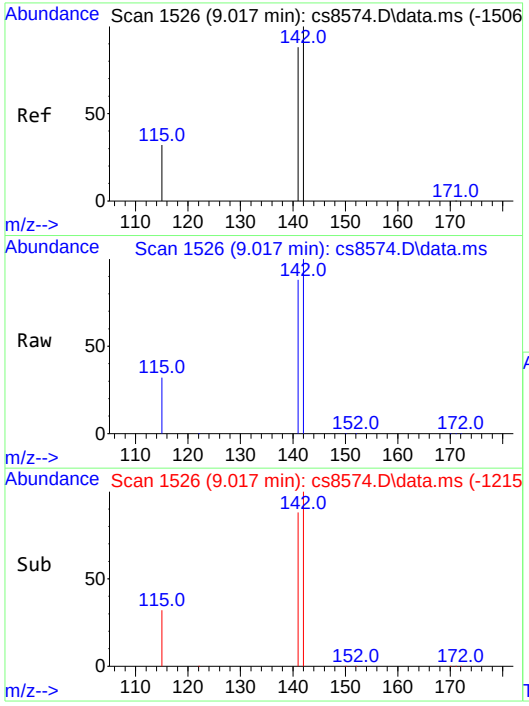
Tgt Ion:225 Resp: 6001

Ion	Ratio	Lower	Upper
225	100		
223	61.8	31.8	91.8
227	62.6	32.6	92.6





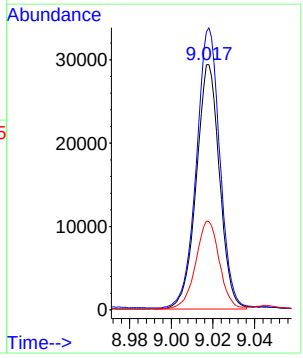


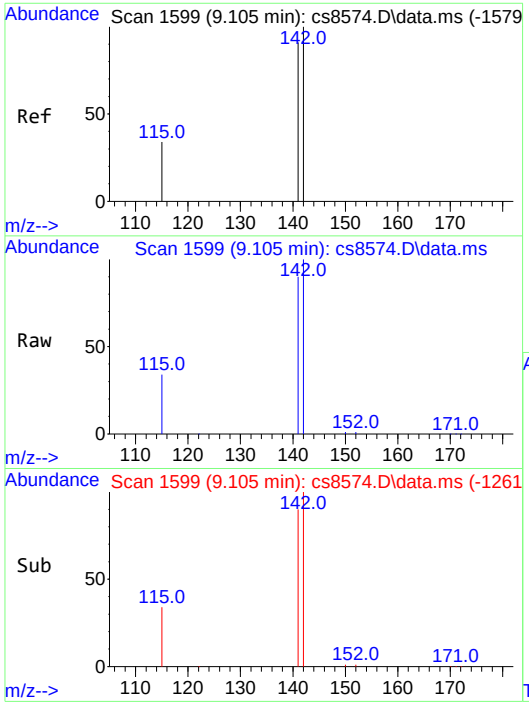


#9
2-Methylnaphthalene
Concen: 200.00 ppb
RT: 9.017 min Scan# 1526
Delta R.T. 0.000 min
Lab File: cs8574.D
Acq: 17 Sep 2025 02:09 pm

Tgt Ion:141 Resp: 22704

Ion	Ratio	Lower	Upper
141	100		
142	113.1	83.1	143.1
115	35.8	5.8	65.8

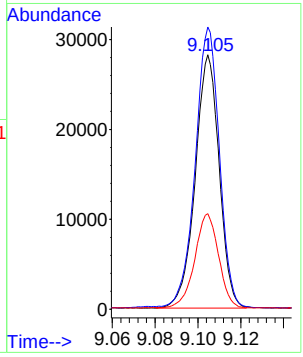


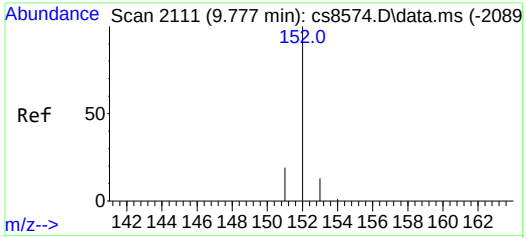


#10
1-Methylnaphthalene
Concen: 200.00 ppb
RT: 9.105 min Scan# 1599
Delta R.T. 0.000 min
Lab File: cs8574.D
Acq: 17 Sep 2025 02:09 pm

Tgt Ion:141 Resp: 21857

Ion	Ratio	Lower	Upper
141	100		
142	110.8	80.8	140.8
115	37.2	7.2	67.2

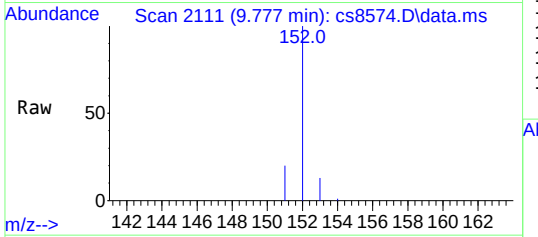


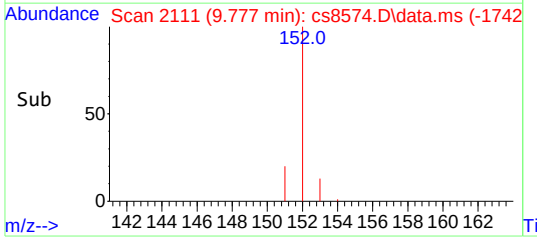


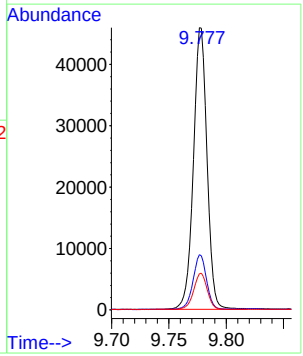
#13
Acenaphthylene
Concen: 200.00 ppb
RT: 9.777 min Scan# 2111
Delta R.T. 0.000 min
Lab File: cs8574.D
Acq: 17 Sep 2025 02:09 pm

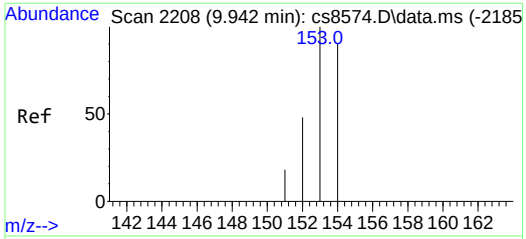
Tgt Ion:152 Resp: 37852

Ion	Ratio	Lower	Upper
152	100		
151	19.3	0.0	49.3
153	12.7	0.0	42.7





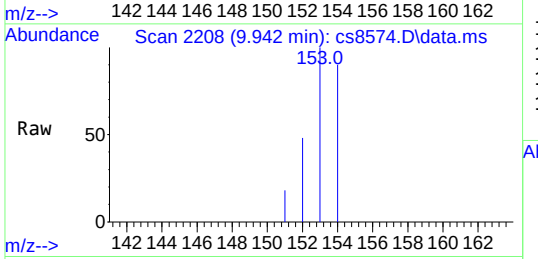


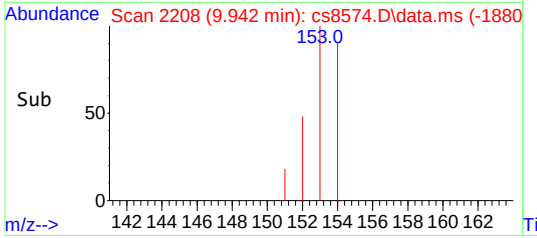


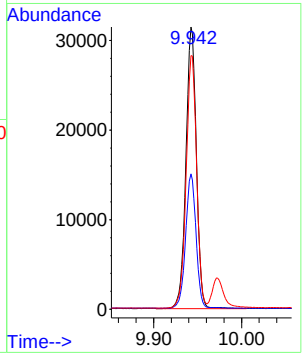
#14
Acenaphthene
Concen: 200.00 ppb
RT: 9.942 min Scan# 2208
Delta R.T. 0.000 min
Lab File: cs8574.D
Acq: 17 Sep 2025 02:09 pm

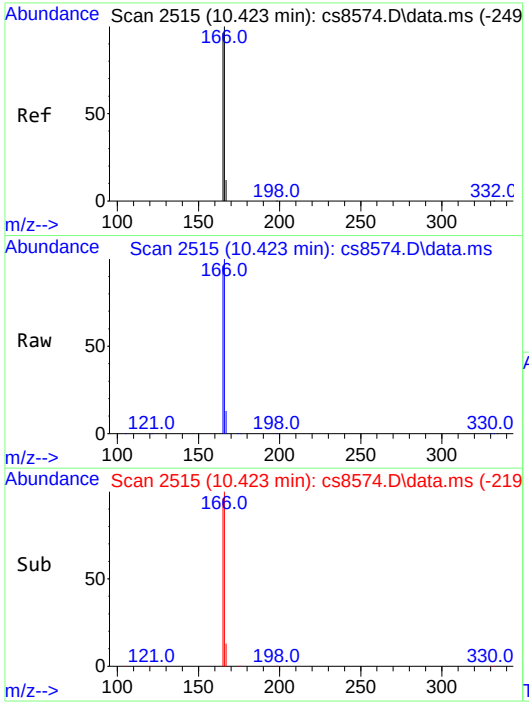
Tgt Ion:153 Resp: 25861

Ion	Ratio	Lower	Upper
153	100		
152	47.7	17.7	77.7
154	89.5	59.5	119.5





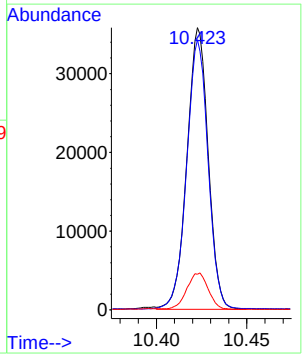


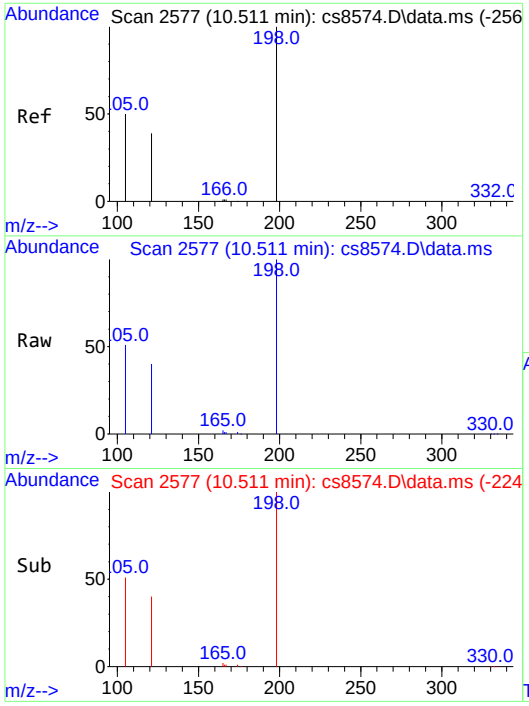


#15
Fluorene
Concen: 200.00 ppb
RT: 10.423 min Scan# 2515
Delta R.T. 0.000 min
Lab File: cs8574.D
Acq: 17 Sep 2025 02:09 pm

Tgt Ion:166 Resp: 29213

Ion	Ratio	Lower	Upper
166	100		
165	95.7	65.7	125.7
167	12.4	0.0	42.4

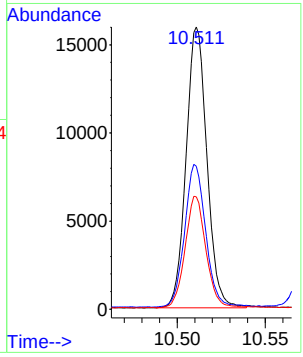


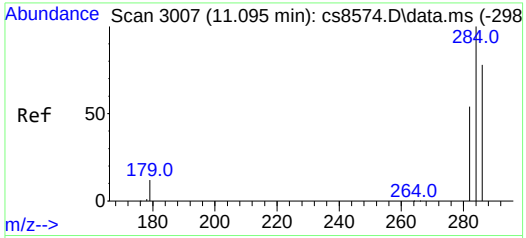


#16
4,6-dinitro-2-methylphenol
Concen: 1000.00 ppb
RT: 10.511 min Scan# 2577
Delta R.T. -0.000 min
Lab File: cs8574.D
Acq: 17 Sep 2025 02:09 pm

Tgt Ion:198 Resp: 13081

Ion	Ratio	Lower	Upper
198	100		
105	49.9	29.9	69.9
121	39.3	19.3	59.3

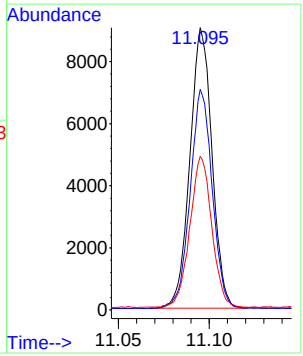


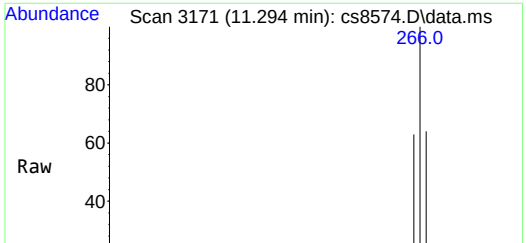


#19
Hexachlorobenzene
Concen: 200.00 ppb
RT: 11.095 min Scan# 3007
Delta R.T. 0.000 min
Lab File: cs8574.D
Acq: 17 Sep 2025 02:09 pm

Tgt Ion:284 Resp: 7615

Ion	Ratio	Lower	Upper
284	100		
286	78.0	48.0	108.0
282	53.8	23.8	83.8

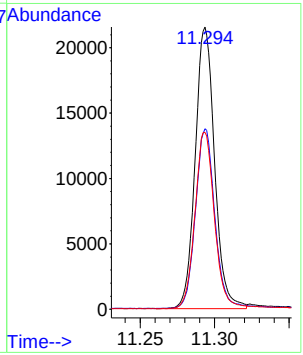




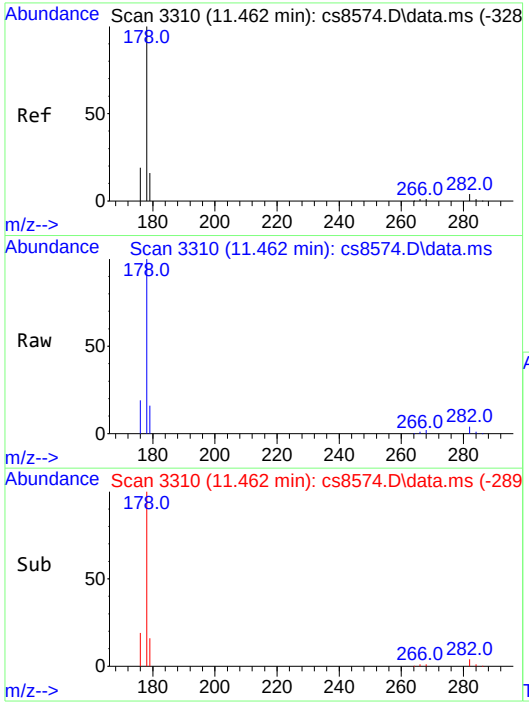
#20
Pentachlorophenol
Concen: 1000.00 ppb
RT: 11.294 min Scan# 3171
Delta R.T. 0.000 min
Lab File: cs8574.D
Acq: 17 Sep 2025 02:09 pm

Tgt Ion:266 Resp: 19484

Ion	Ratio	Lower	Upper
266	100		
268	63.1	43.1	83.1
264	63.0	43.0	83.0



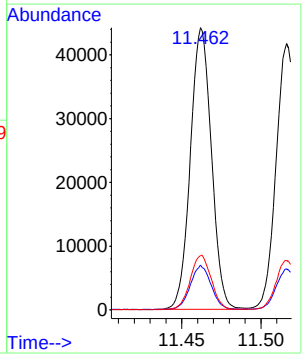
9.5.21
9

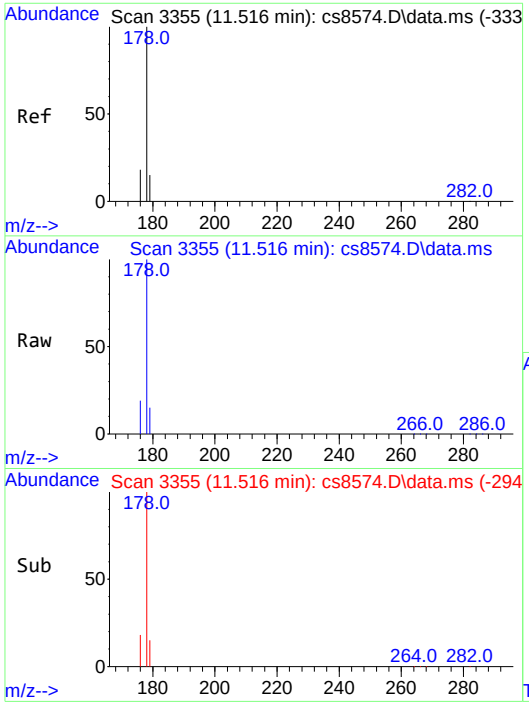


#21
Phenanthrene
Concen: 200.00 ppb
RT: 11.462 min Scan# 3310
Delta R.T. 0.000 min
Lab File: cs8574.D
Acq: 17 Sep 2025 02:09 pm

Tgt Ion:178 Resp: 40833

Ion	Ratio	Lower	Upper
178	100		
179	15.7	0.0	45.7
176	19.2	0.0	49.2

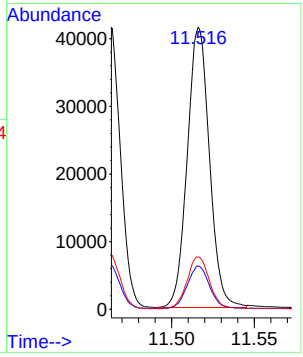


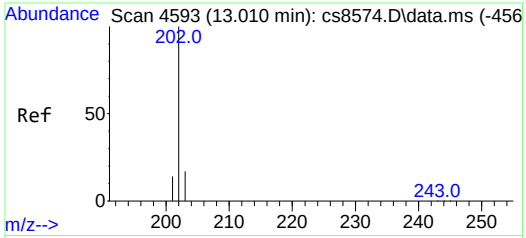


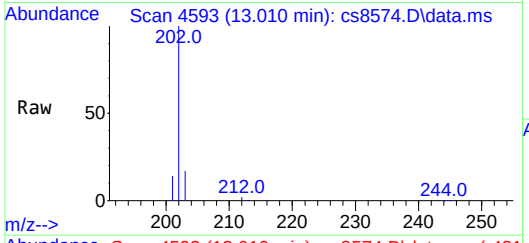
#22
Anthracene
Concen: 200.00 ppb
RT: 11.516 min Scan# 3355
Delta R.T. 0.000 min
Lab File: cs8574.D
Acq: 17 Sep 2025 02:09 pm

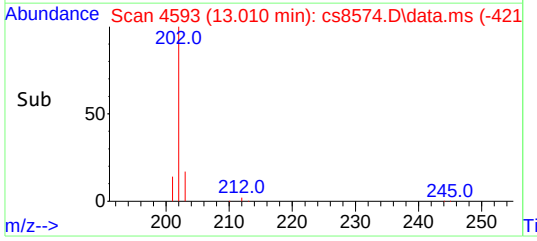
Tgt Ion:178 Resp: 38695

Ion	Ratio	Lower	Upper
178	100		
179	15.2	0.0	45.2
176	18.4	0.0	48.4





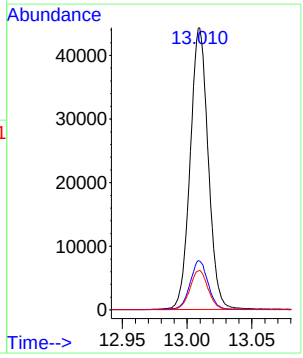


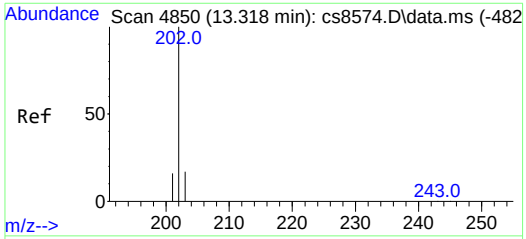


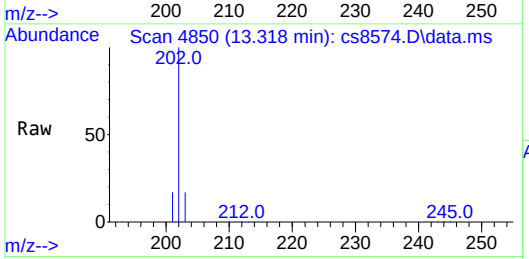
#23
Fluoranthene
Concen: 200.00 ppb
RT: 13.010 min Scan# 4593
Delta R.T. 0.000 min
Lab File: cs8574.D
Acq: 17 Sep 2025 02:09 pm

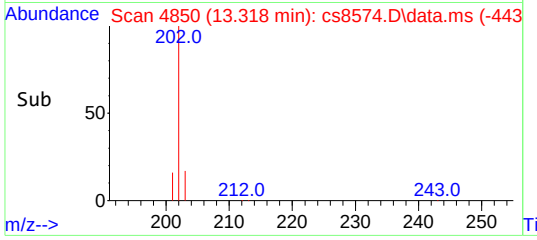
Tgt Ion:202 Resp: 42748

Ion	Ratio	Lower	Upper
202	100		
203	17.2	0.0	47.2
201	14.0	0.0	44.0





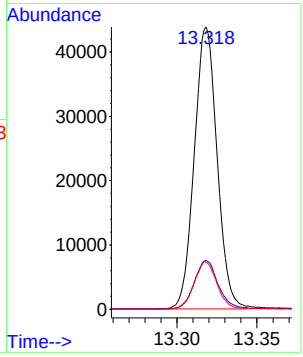


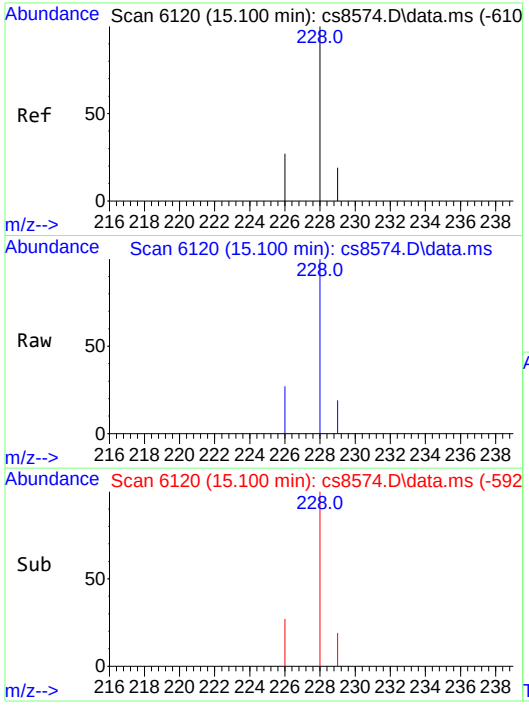


#24
Pyrene
Concen: 200.00 ppb
RT: 13.318 min Scan# 4850
Delta R.T. 0.000 min
Lab File: cs8574.D
Acq: 17 Sep 2025 02:09 pm

Tgt Ion:202 Resp: 43431

Ion	Ratio	Lower	Upper
202	100		
203	17.1	0.0	47.1
201	16.4	0.0	46.4

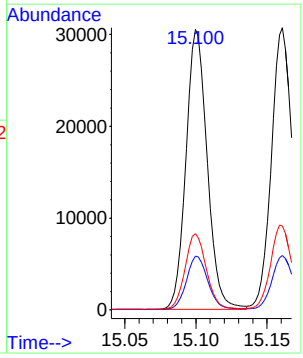


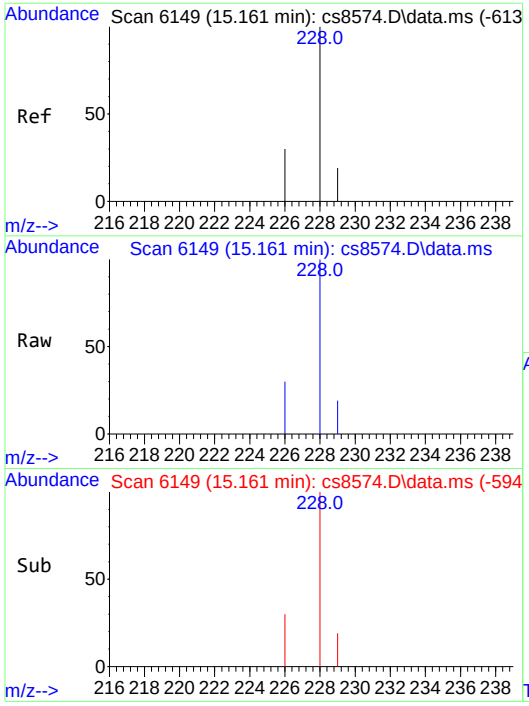


#26
Benzo[a]anthracene
Concen: 200.00 ppb
RT: 15.100 min Scan# 6120
Delta R.T. 0.000 min
Lab File: cs8574.D
Acq: 17 Sep 2025 02:09 pm

Tgt Ion:228 Resp: 31670

Ion	Ratio	Lower	Upper
228	100		
229	19.1	0.0	49.1
226	27.0	0.0	57.0

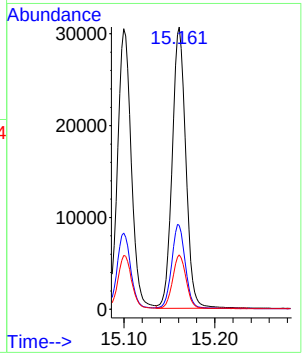


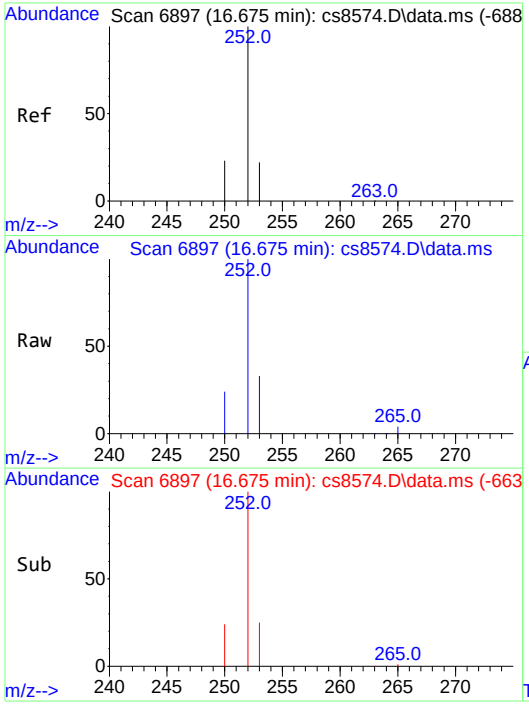


#27
Chrysene
Concen: 200.00 ppb
RT: 15.161 min Scan# 6149
Delta R.T. 0.000 min
Lab File: cs8574.D
Acq: 17 Sep 2025 02:09 pm

Tgt Ion:228 Resp: 31880

Ion	Ratio	Lower	Upper
228	100		
226	29.6	0.0	59.6
229	19.1	0.0	49.1

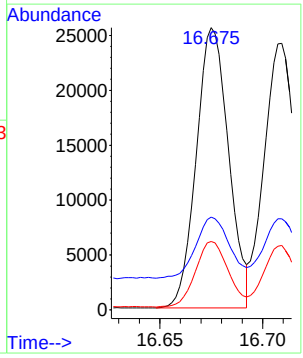


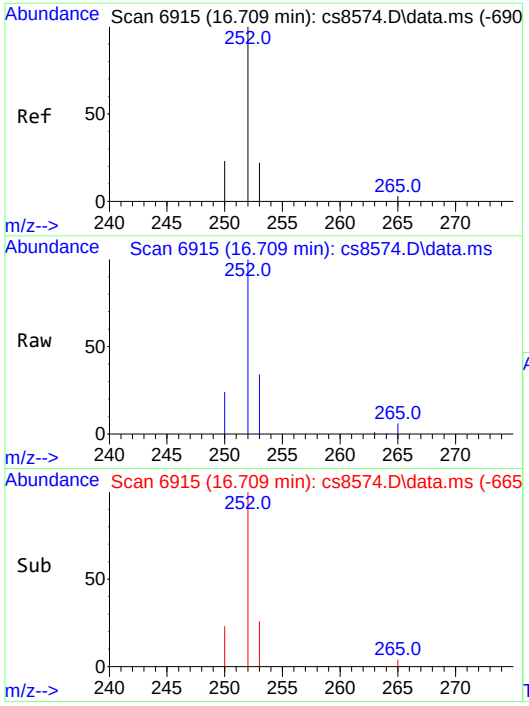


#29
Benzo[b]fluoranthene
Concen: 200.00 ppb
RT: 16.675 min Scan# 6897
Delta R.T. 0.000 min
Lab File: cs8574.D
Acq: 17 Sep 2025 02:09 pm

Tgt Ion:252 Resp: 27840

Ion	Ratio	Lower	Upper
252	100		
253	21.5	0.0	51.5
250	23.4	0.0	53.4

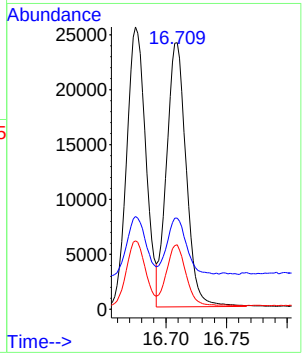


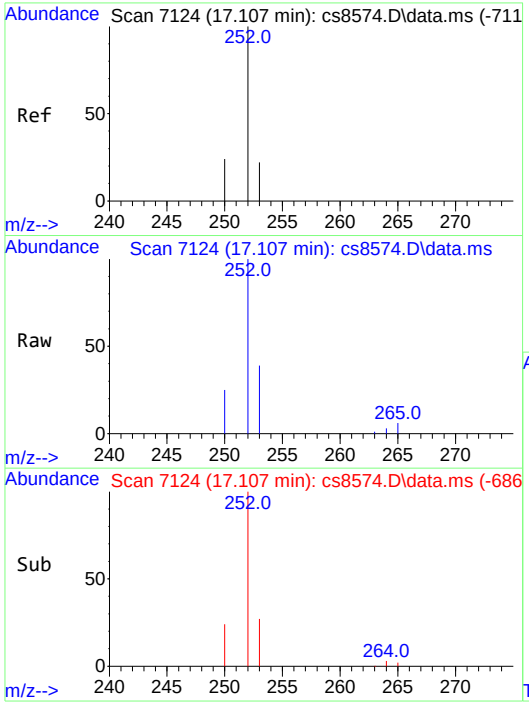


#30
Benzo[k]fluoranthene
Concen: 200.00 ppb
RT: 16.709 min Scan# 6915
Delta R.T. 0.000 min
Lab File: cs8574.D
Acq: 17 Sep 2025 02:09 pm

Tgt Ion:252 Resp: 27031

Ion	Ratio	Lower	Upper
252	100		
253	21.3	0.0	51.3
250	23.2	0.0	53.2

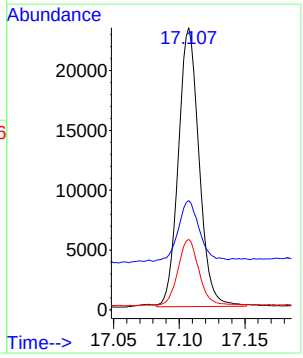


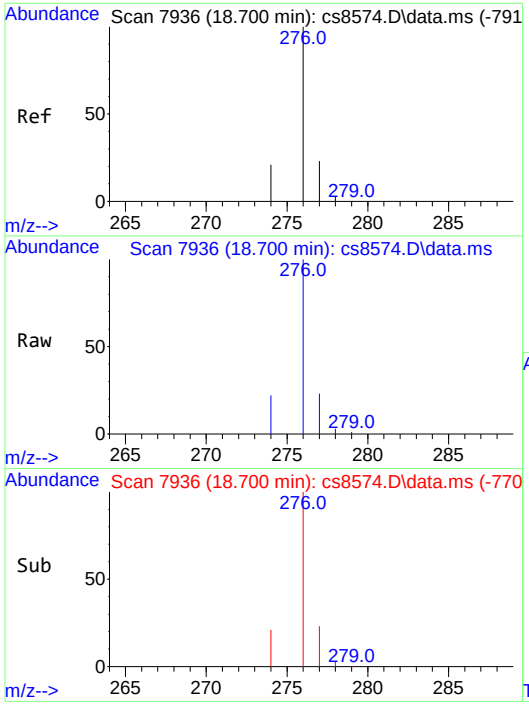


#31
Benzo[a]pyrene
Concen: 200.00 ppb
RT: 17.107 min Scan# 7124
Delta R.T. 0.000 min
Lab File: cs8574.D
Acq: 17 Sep 2025 02:09 pm

Tgt Ion:252 Resp: 25674

Ion	Ratio	Lower	Upper
252	100		
253	21.3	0.0	51.3
250	23.7	0.0	53.7

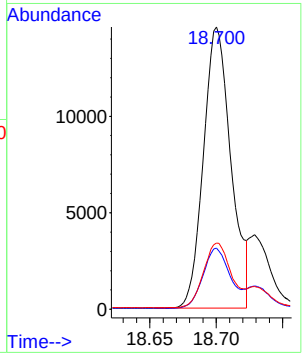


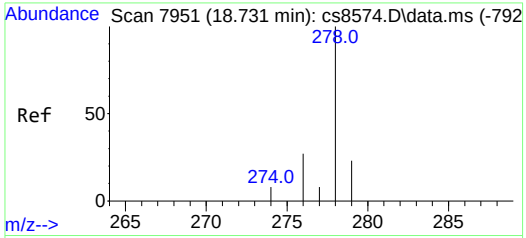


#32
Indeno[1,2,3-cd]pyrene
Concen: 200.00 ppb
RT: 18.700 min Scan# 7936
Delta R.T. 0.000 min
Lab File: cs8574.D
Acq: 17 Sep 2025 02:09 pm

Tgt Ion:276 Resp: 20961

Ion	Ratio	Lower	Upper
276	100		
274	20.4	0.0	50.4
277	22.4	0.0	52.4

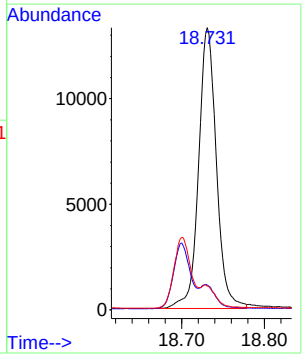


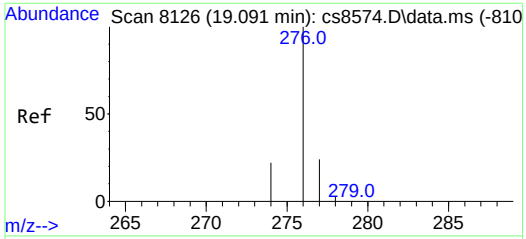


#33
Dibenz[a,h]anthracene
Concen: 200.00 ppb
RT: 18.731 min Scan# 7951
Delta R.T. 0.000 min
Lab File: cs8574.D
Acq: 17 Sep 2025 02:09 pm

Tgt Ion:278 Resp: 19833

Ion	Ratio	Lower	Upper
278	100		
274	8.4	0.0	38.4
277	7.8	0.0	37.8

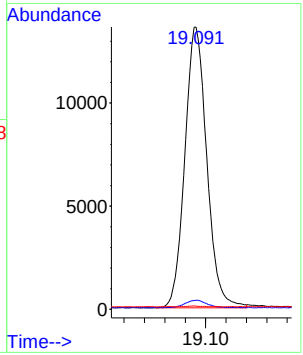




#34
Benzo[g,h,i]perylene
Concen: 200.00 ppb
RT: 19.091 min Scan# 8126
Delta R.T. 0.000 min
Lab File: cs8574.D
Acq: 17 Sep 2025 02:09 pm

Tgt Ion:276 Resp: 20381

Ion	Ratio	Lower	Upper
276	100		
278	2.6	0.0	32.6
279	0.2	0.0	30.2



Manual Integrations APPROVED (compounds with "m" flag)
Ying Li
09/18/25 10:52

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8575.D
Acq On : 17 Sep 2025 02:35 pm
Operator : rocquans
Sample : ic446-0.5
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Sep 17 16:37:09 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	9.077	150	56583	800.00	ppb	0.00
11) Fluorene-d10	10.394	176	73302	800.00	ppb	0.00
18) Fluoranthene-d10	12.985	212	109470	800.00	ppb	0.00
28) Benzo(a)pyrene-d12	17.075	264	60379	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	6.260	112	555532	9393.11	ppb	0.00
Spiked Amount 10000.000			Recovery = 93.93%			
4) Phenol-d5	7.188	99	650257	9506.93	ppb	0.00
Spiked Amount 10000.000			Recovery = 95.07%			
6) Nitrobenzene-d5	7.887	82	522478	9406.44	ppb	0.00
Spiked Amount 10000.000			Recovery = 94.06%			
12) 2-Fluorobiphenyl	9.332	172	1117247	9122.10	ppb	0.00
Spiked Amount 10000.000			Recovery = 91.22%			
17) 2,4,6-Tribromophenol	10.687	330	138817	10004.08	ppb	0.00
Spiked Amount 10000.000			Recovery = 100.04%			
25) Terphenyl-d14	13.594	244	765497	9214.35	ppb	0.00
Spiked Amount 10000.000			Recovery = 92.14%			
Target Compounds						Qvalue
2) 1,4-Dioxane	4.442	88	13533	516.06	ppb	99
5) Phenol	7.198	94	182784	2361.09	ppb	97
7) Naphthalene	8.467	128	99500	492.03	ppb	100
8) Hexachlorobutadiene	8.622	225	14392	486.44	ppb	99
9) 2-Methylnaphthalene	9.018	141	55412	495.04	ppb	99
10) 1-Methylnaphthalene	9.104	141	53041	492.22	ppb	100
13) Acenaphthylene	9.778	152	94126	505.22	ppb	100
14) Acenaphthene	9.944	153	62116	488.00	ppb	99
15) Fluorene	10.423	166	71568	497.74	ppb	100
16) 4,6-dinitro-2-methylph...	10.512	198	43390	3369.61	ppb	95
19) Hexachlorobenzene	11.095	284	18647	500.38	ppb	98
20) Pentachlorophenol	11.294	266	57986	3040.70	ppb	100
21) Phenanthrene	11.462	178	99951	500.19	ppb	99
22) Anthracene	11.516	178	97165	513.11	ppb	100
23) Fluoranthene	13.009	202	103962	496.96	ppb	100
24) Pyrene	13.318	202	105765	497.62	ppb	100
26) Benzo[a]anthracene	15.100	228	77310	498.82	ppb	100
27) Chrysene	15.161	228	76305	489.10	ppb	100
29) Benzo[b]fluoranthene	16.675	252	66583	494.86	ppb	100
30) Benzo[k]fluoranthene	16.707	252	64850	496.40	ppb	100
31) Benzo[a]pyrene	17.105	252	61941	499.20	ppb	100
32) Indeno[1,2,3-cd]pyrene	18.698	276	50325m	496.77	ppb	
33) Dibenz[a,h]anthracene	18.729	278	49183	513.11	ppb	100
34) Benzo[g,h,i]perylene	19.087	276	49113	498.61	ppb	100

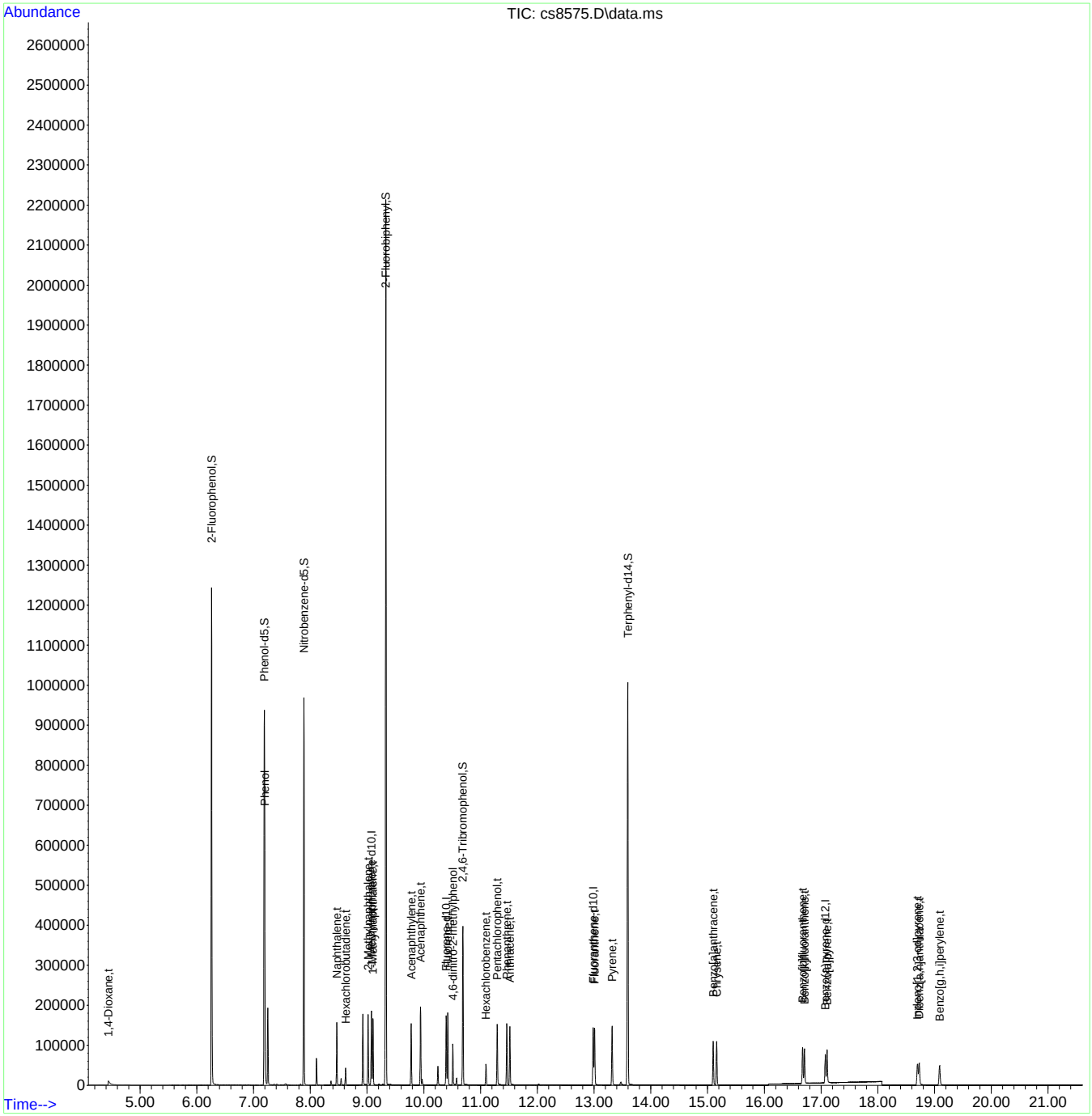
(#) = qualifier out of range (m) = manual integration (+) = signals summed

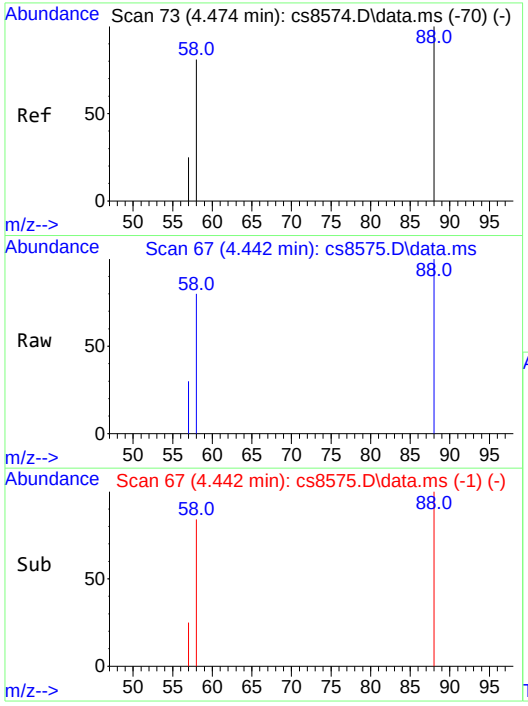
9.5.22
9

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8575.D
Acq On : 17 Sep 2025 02:35 pm
Operator : rocquans
Sample : ic446-0.5
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Sep 17 16:37:09 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration

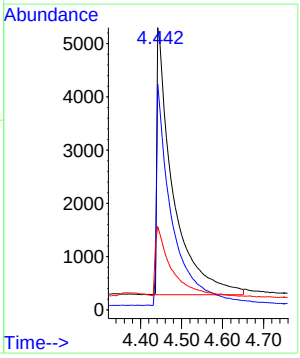


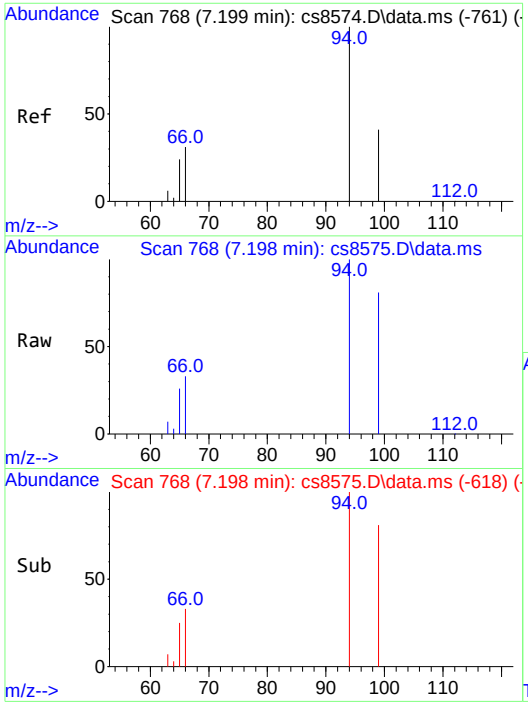


#2
1,4-Dioxane
Concen: 516.06 ppb
RT: 4.442 min Scan# 67
Delta R.T. -0.032 min
Lab File: cs8575.D
Acq: 17 Sep 2025 02:35 pm

Tgt Ion: 88 Resp: 13533

Ion	Ratio	Lower	Upper
88	100		
58	82.7	61.3	101.3
57	26.4	5.8	45.8

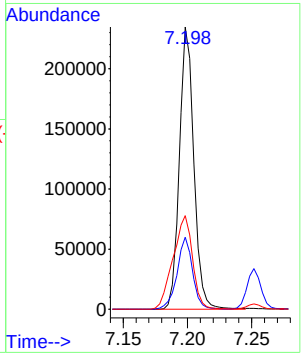


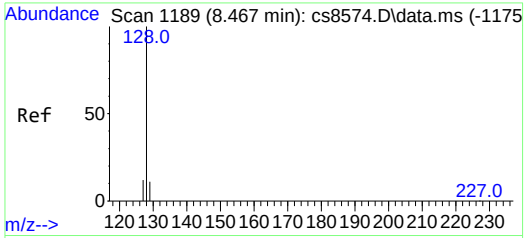


#5
Phenol
Concen: 2361.09 ppb
RT: 7.198 min Scan# 768
Delta R.T. -0.000 min
Lab File: cs8575.D
Acq: 17 Sep 2025 02:35 pm

Tgt Ion: 94 Resp: 182784

Ion	Ratio	Lower	Upper
94	100		
65	22.5	17.0	25.4
66	32.7	24.6	37.0

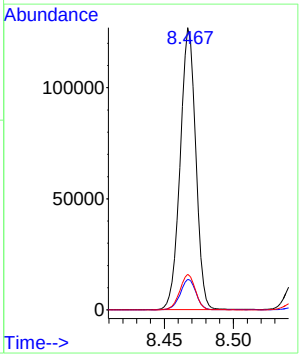


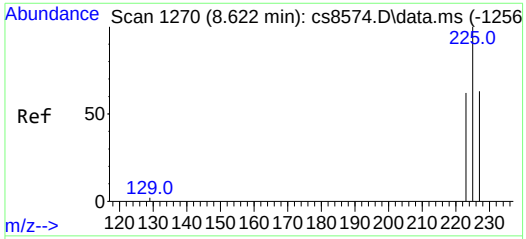


#7
Naphthalene
Concen: 492.03 ppb
RT: 8.467 min Scan# 1189
Delta R.T. -0.000 min
Lab File: cs8575.D
Acq: 17 Sep 2025 02:35 pm

Tgt Ion:128 Resp: 99500

Ion	Ratio	Lower	Upper
128	100		
129	10.8	0.0	40.8
127	12.5	0.0	42.4

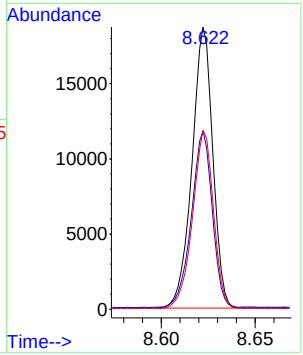


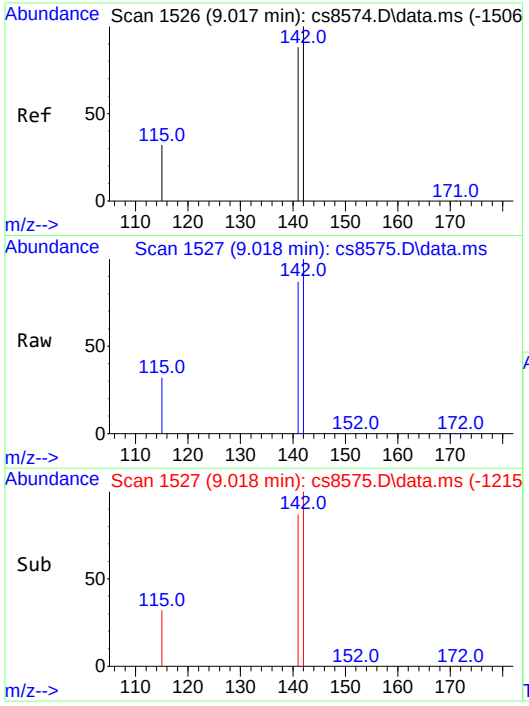


#8
Hexachlorobutadiene
Concen: 486.44 ppb
RT: 8.622 min Scan# 1270
Delta R.T. -0.000 min
Lab File: cs8575.D
Acq: 17 Sep 2025 02:35 pm

Tgt Ion:225 Resp: 14392

Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.8	91.8
227	63.3	32.6	92.6

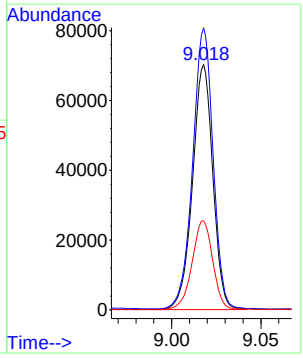


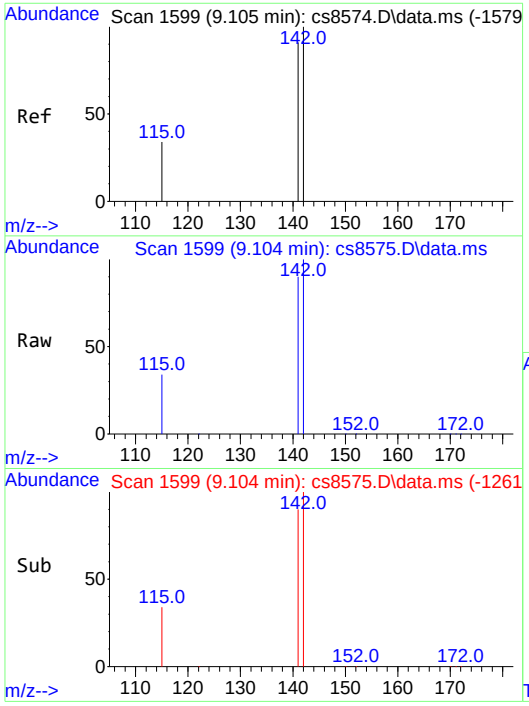


#9
2-Methylnaphthalene
Concen: 495.04 ppb
RT: 9.018 min Scan# 1527
Delta R.T. 0.001 min
Lab File: cs8575.D
Acq: 17 Sep 2025 02:35 pm

Tgt Ion:141 Resp: 55412

Ion	Ratio	Lower	Upper
141	100		
142	114.8	83.1	143.1
115	36.2	5.8	65.8

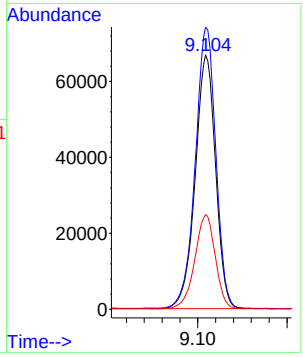


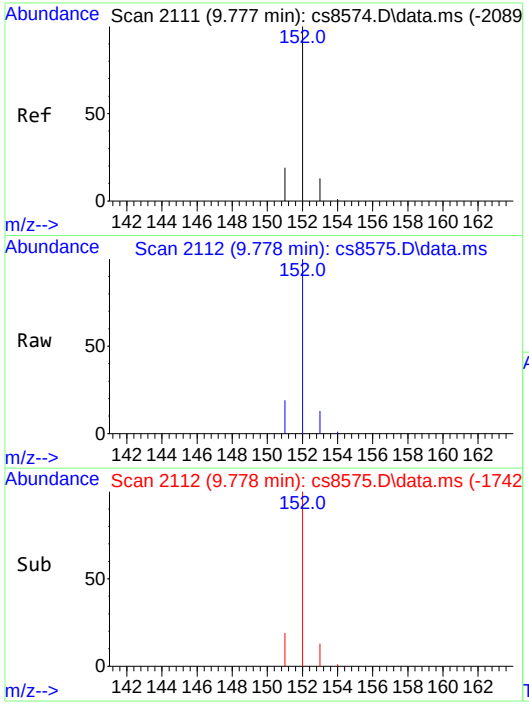


#10
1-Methylnaphthalene
Concen: 492.22 ppb
RT: 9.104 min Scan# 1599
Delta R.T. -0.000 min
Lab File: cs8575.D
Acq: 17 Sep 2025 02:35 pm

Tgt Ion:141 Resp: 53041

Ion	Ratio	Lower	Upper
141	100		
142	110.8	80.8	140.8
115	37.1	7.2	67.2

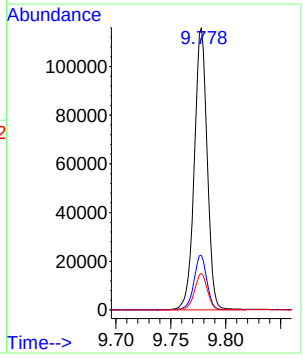


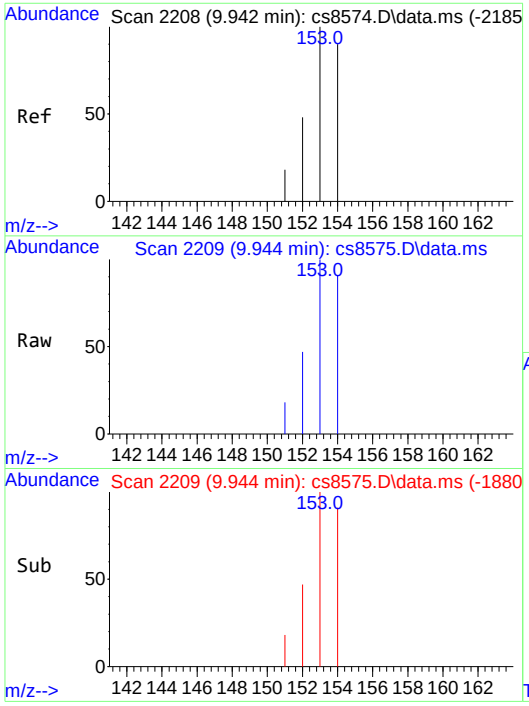


#13
Acenaphthylene
Concen: 505.22 ppb
RT: 9.778 min Scan# 2112
Delta R.T. 0.001 min
Lab File: cs8575.D
Acq: 17 Sep 2025 02:35 pm

Tgt Ion:152 Resp: 94126

Ion	Ratio	Lower	Upper
152	100		
151	19.3	0.0	49.3
153	12.8	0.0	42.7

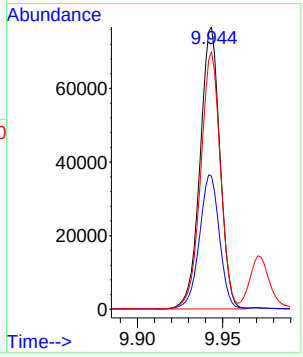


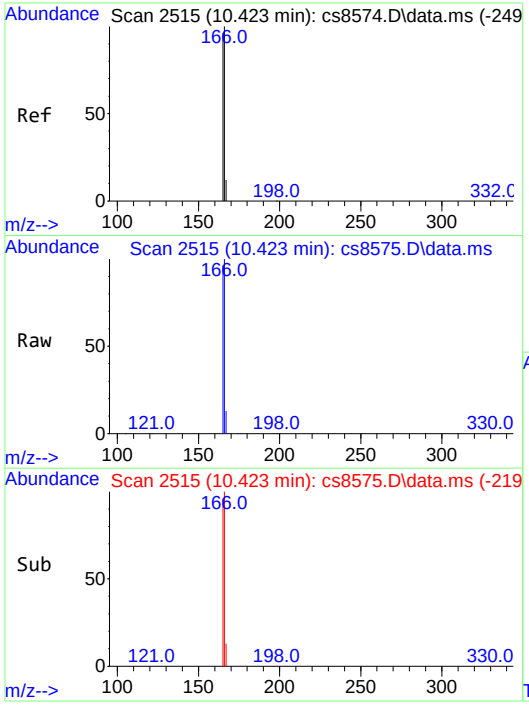


#14
Acenaphthene
Concen: 488.00 ppb
RT: 9.944 min Scan# 2209
Delta R.T. 0.001 min
Lab File: cs8575.D
Acq: 17 Sep 2025 02:35 pm

Tgt Ion:153 Resp: 62116

Ion	Ratio	Lower	Upper
153	100		
152	47.0	17.7	77.7
154	88.1	59.5	119.5

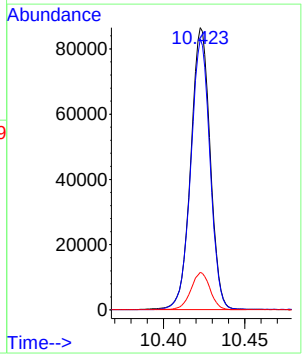


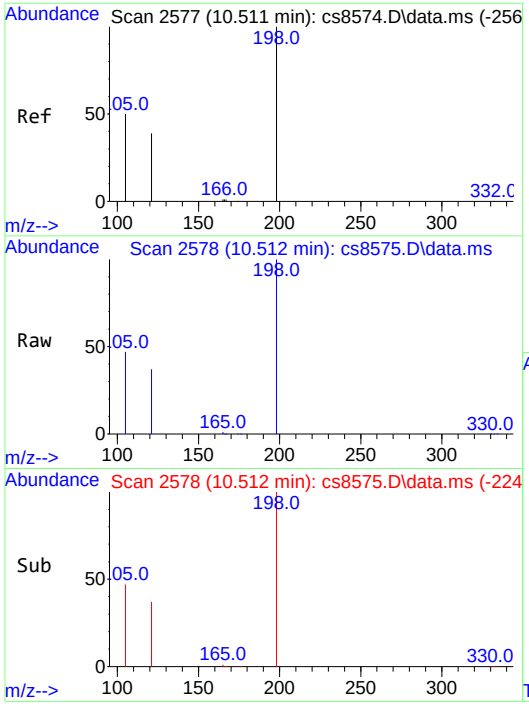


#15
Fluorene
Concen: 497.74 ppb
RT: 10.423 min Scan# 2515
Delta R.T. -0.000 min
Lab File: cs8575.D
Acq: 17 Sep 2025 02:35 pm

Tgt Ion:166 Resp: 71568

Ion	Ratio	Lower	Upper
166	100		
165	95.9	65.7	125.7
167	13.3	0.0	42.4

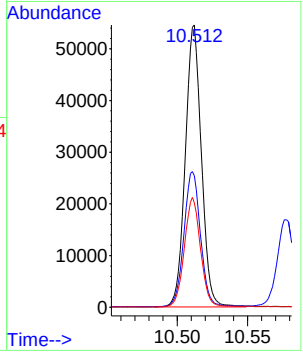


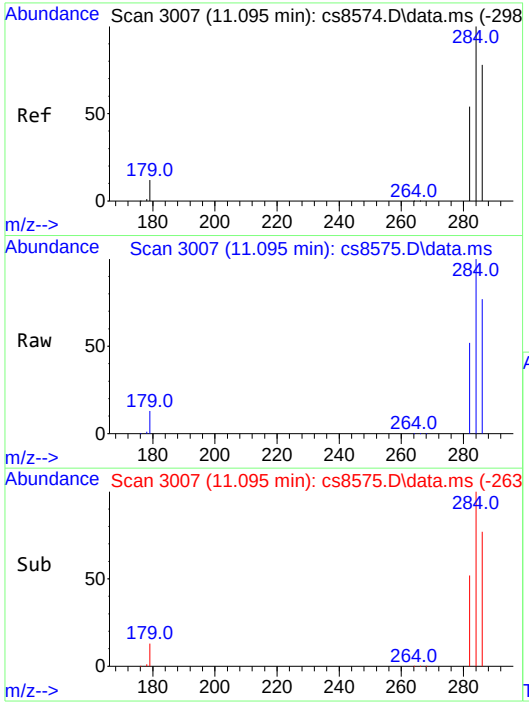


#16
4,6-dinitro-2-methylphenol
Concen: 3369.61 ppb
RT: 10.512 min Scan# 2578
Delta R.T. 0.001 min
Lab File: cs8575.D
Acq: 17 Sep 2025 02:35 pm

Tgt Ion:198 Resp: 43390

Ion	Ratio	Lower	Upper
198	100		
105	46.4	29.9	69.9
121	36.8	19.3	59.3

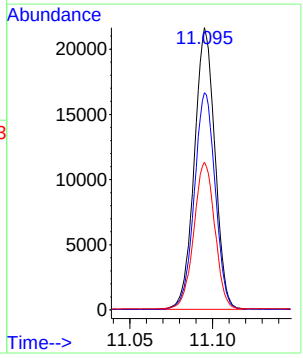


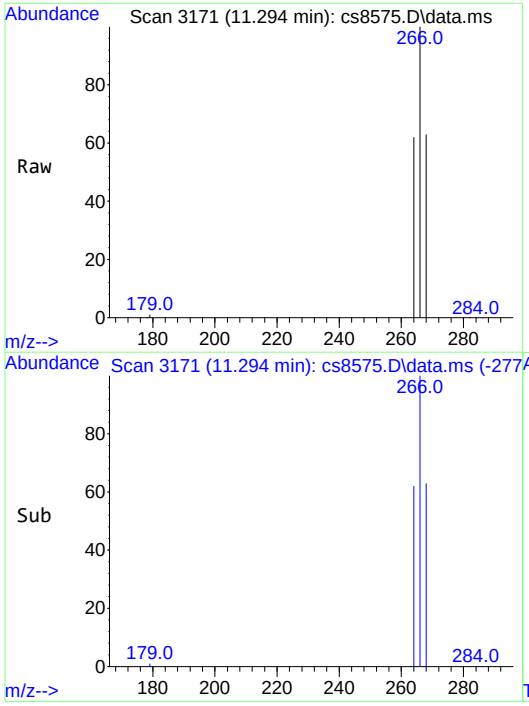


#19
Hexachlorobenzene
Concen: 500.38 ppb
RT: 11.095 min Scan# 3007
Delta R.T. 0.000 min
Lab File: cs8575.D
Acq: 17 Sep 2025 02:35 pm

Tgt Ion:284 Resp: 18647

Ion	Ratio	Lower	Upper
284	100		
286	76.8	48.0	108.0
282	52.0	23.8	83.8

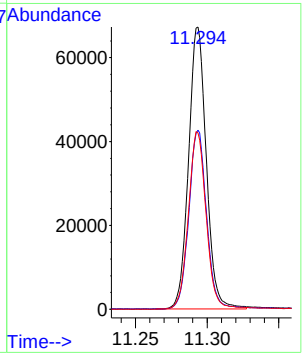


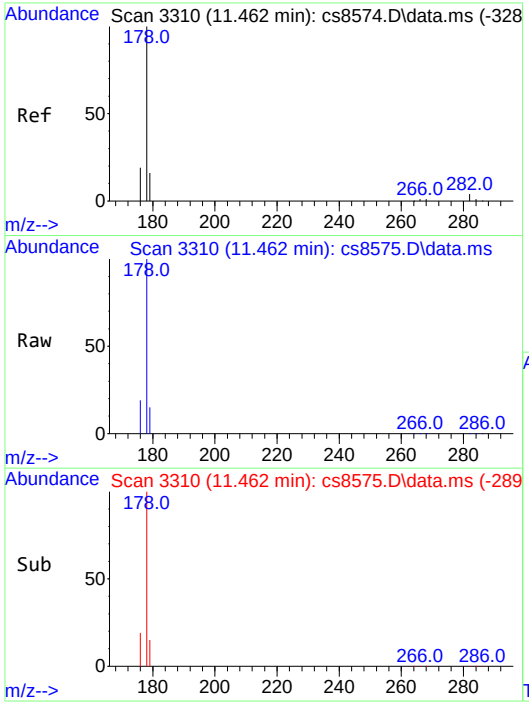


#20
Pentachlorophenol
Concen: 3040.70 ppb
RT: 11.294 min Scan# 3171
Delta R.T. 0.000 min
Lab File: cs8575.D
Acq: 17 Sep 2025 02:35 pm

Tgt Ion:266 Resp: 57986

Ion	Ratio	Lower	Upper
266	100		
268	62.9	43.1	83.1
264	62.7	43.0	83.0

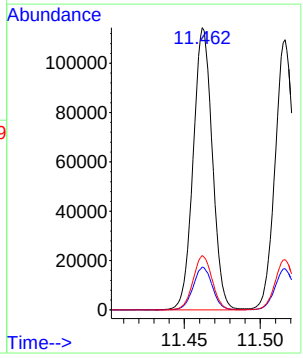


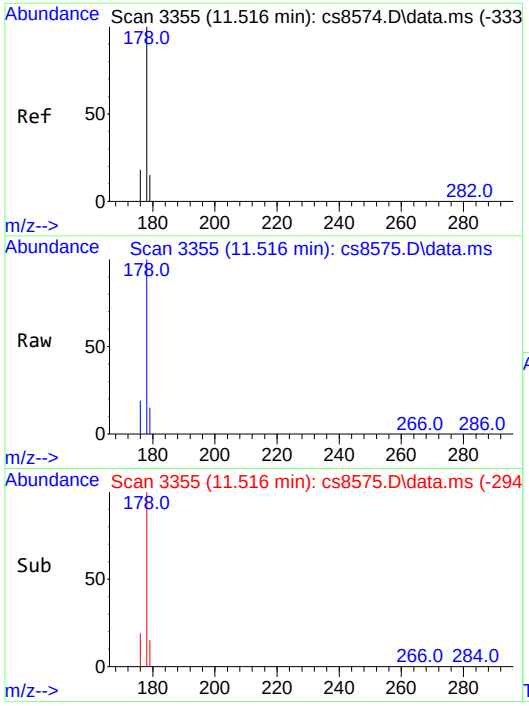


#21
Phenanthrene
Concen: 500.19 ppb
RT: 11.462 min Scan# 3310
Delta R.T. 0.000 min
Lab File: cs8575.D
Acq: 17 Sep 2025 02:35 pm

Tgt Ion:178 Resp: 99951

Ion	Ratio	Lower	Upper
178	100		
179	15.2	0.0	45.7
176	19.3	0.0	49.2

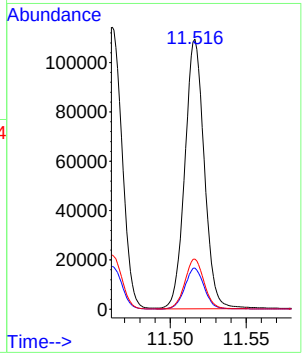


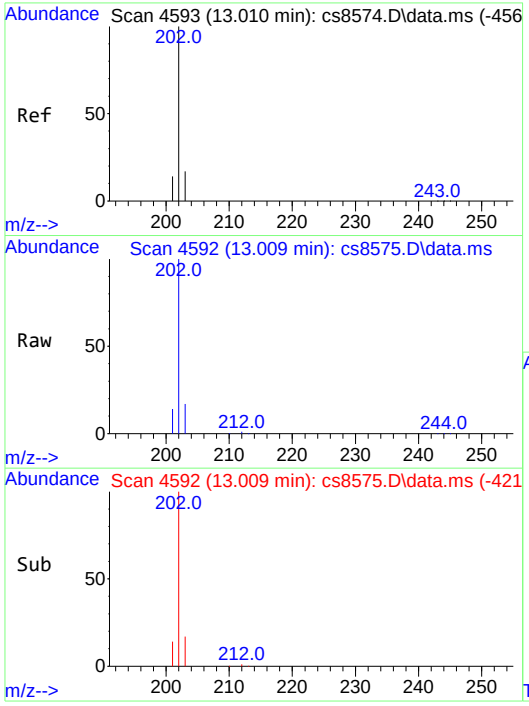


#22
Anthracene
Concen: 513.11 ppb
RT: 11.516 min Scan# 3355
Delta R.T. 0.000 min
Lab File: cs8575.D
Acq: 17 Sep 2025 02:35 pm

Tgt Ion:178 Resp: 97165

Ion	Ratio	Lower	Upper
178	100		
179	15.2	0.0	45.2
176	18.5	0.0	48.4

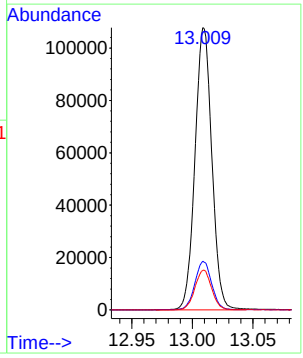


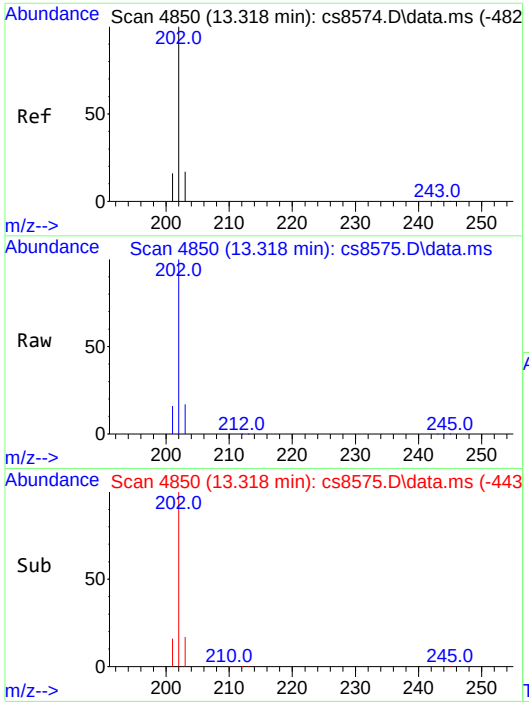


#23
Fluoranthene
Concen: 496.96 ppb
RT: 13.009 min Scan# 4592
Delta R.T. -0.001 min
Lab File: cs8575.D
Acq: 17 Sep 2025 02:35 pm

Tgt Ion:202 Resp: 103962

Ion	Ratio	Lower	Upper
202	100		
203	17.2	0.0	47.2
201	14.0	0.0	44.0

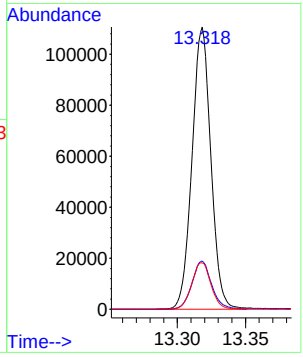


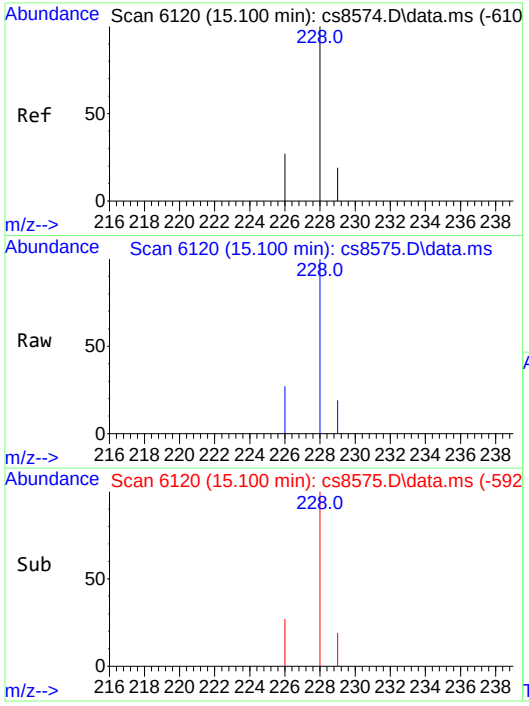


#24
Pyrene
Concen: 497.62 ppb
RT: 13.318 min Scan# 4850
Delta R.T. 0.000 min
Lab File: cs8575.D
Acq: 17 Sep 2025 02:35 pm

Tgt Ion:202 Resp: 105765

Ion	Ratio	Lower	Upper
202	100		
203	17.0	0.0	47.1
201	16.4	0.0	46.4

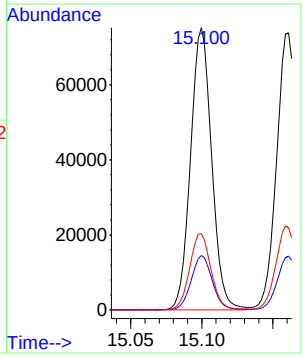


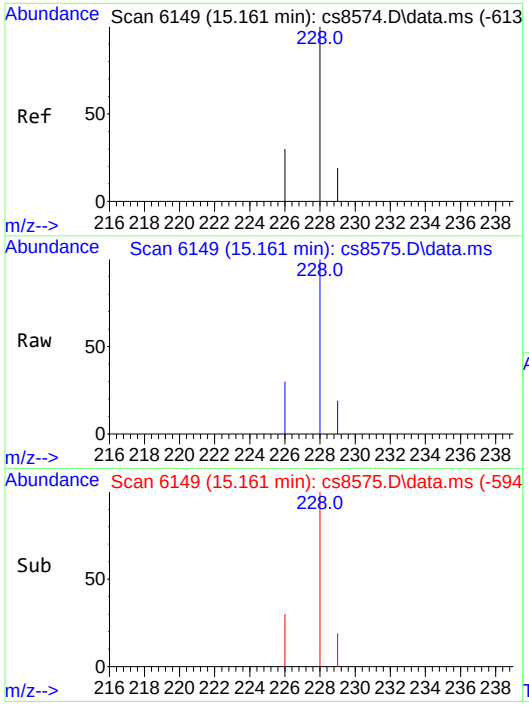


#26
Benzo[a]anthracene
Concen: 498.82 ppb
RT: 15.100 min Scan# 6120
Delta R.T. 0.000 min
Lab File: cs8575.D
Acq: 17 Sep 2025 02:35 pm

Tgt Ion:228 Resp: 77310

Ion	Ratio	Lower	Upper
228	100		
229	19.2	0.0	49.1
226	27.0	0.0	57.0

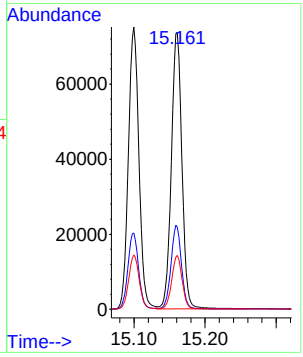


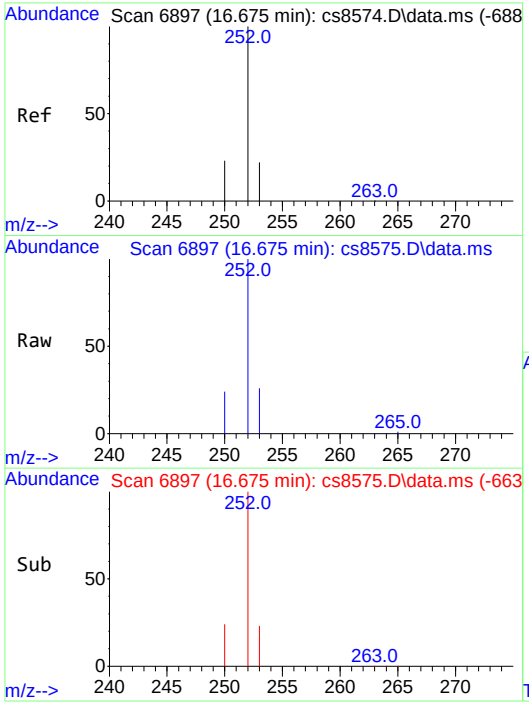


#27
Chrysene
Concen: 489.10 ppb
RT: 15.161 min Scan# 6149
Delta R.T. 0.000 min
Lab File: cs8575.D
Acq: 17 Sep 2025 02:35 pm

Tgt Ion:228 Resp: 76305

Ion	Ratio	Lower	Upper
228	100		
226	29.6	0.0	59.6
229	19.4	0.0	49.1

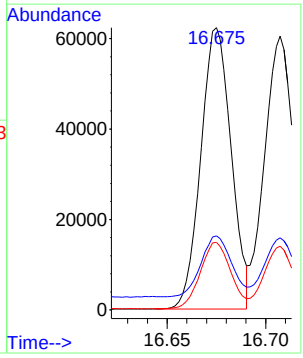


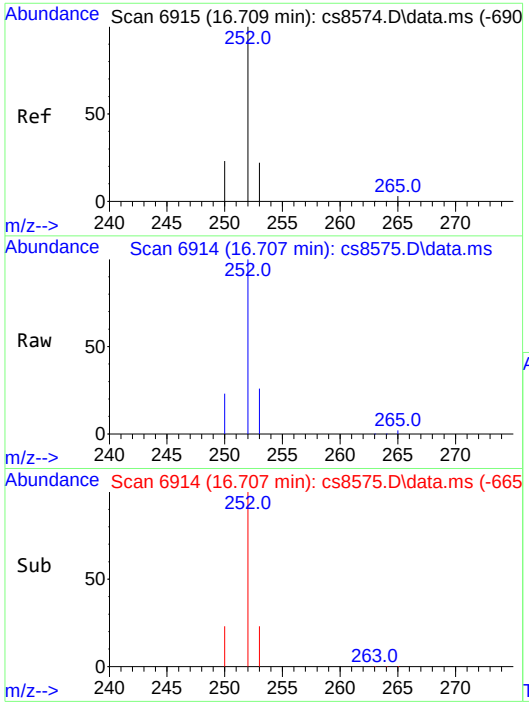


#29
Benzo[b]fluoranthene
Concen: 494.86 ppb
RT: 16.675 min Scan# 6897
Delta R.T. 0.000 min
Lab File: cs8575.D
Acq: 17 Sep 2025 02:35 pm

Tgt Ion:252 Resp: 66583

Ion	Ratio	Lower	Upper
252	100		
253	21.5	0.0	51.5
250	23.6	0.0	53.4

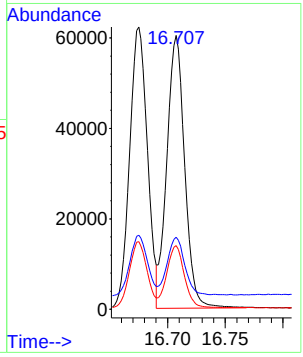


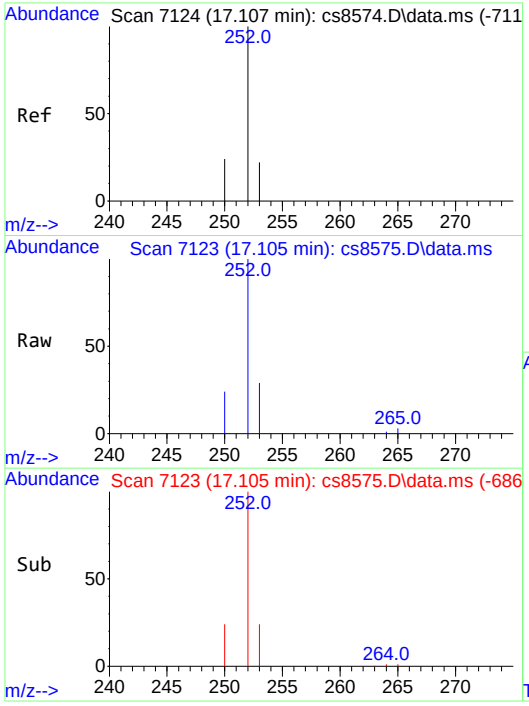


#30
Benzo[k]fluoranthene
Concen: 496.40 ppb
RT: 16.707 min Scan# 6914
Delta R.T. -0.002 min
Lab File: cs8575.D
Acq: 17 Sep 2025 02:35 pm

Tgt Ion:252 Resp: 64850

Ion	Ratio	Lower	Upper
252	100		
253	21.3	0.0	51.3
250	22.8	0.0	53.2

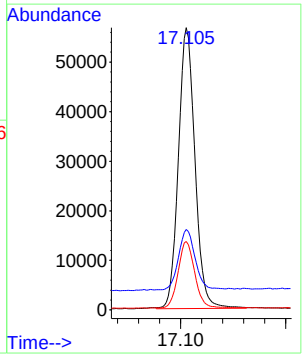


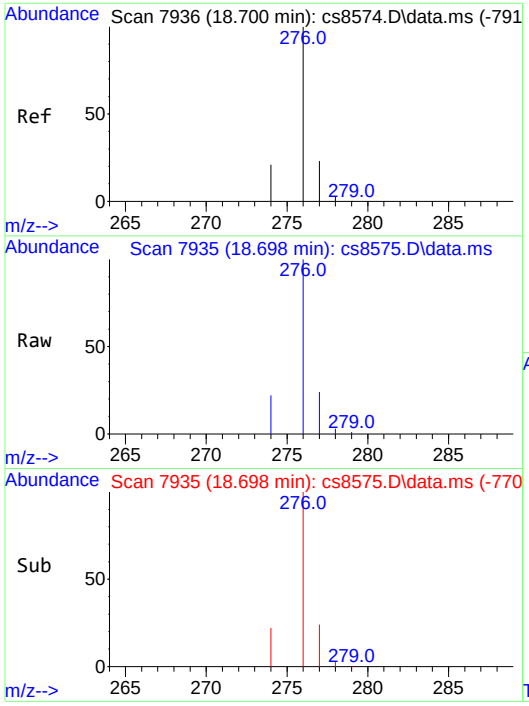


#31
Benzo[a]pyrene
Concen: 499.20 ppb
RT: 17.105 min Scan# 7123
Delta R.T. -0.002 min
Lab File: cs8575.D
Acq: 17 Sep 2025 02:35 pm

Tgt Ion:252 Resp: 61941

Ion	Ratio	Lower	Upper
252	100		
253	21.3	0.0	51.3
250	23.7	0.0	53.7

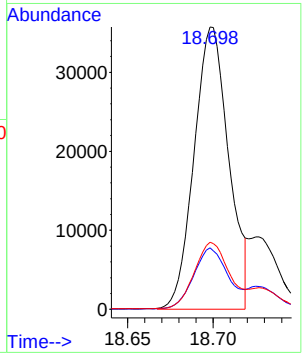


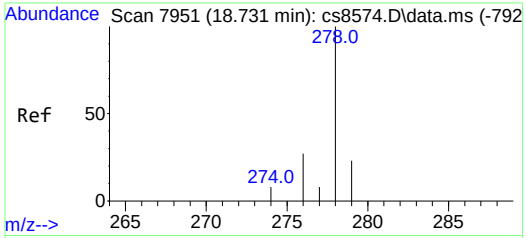


#32
Indeno[1,2,3-cd]pyrene
Concen: 496.77 ppb m
RT: 18.698 min Scan# 7935
Delta R.T. -0.002 min
Lab File: cs8575.D
Acq: 17 Sep 2025 02:35 pm

Tgt Ion:276 Resp: 50325

Ion	Ratio	Lower	Upper
276	100		
274	21.7	0.0	50.4
277	23.7	0.0	52.4

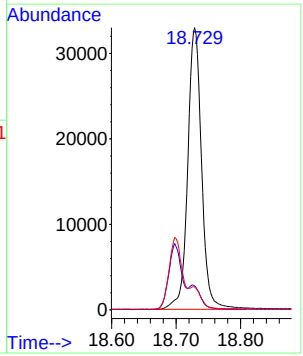


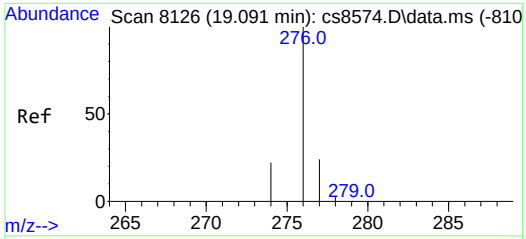


#33
Dibenz[a,h]anthracene
Concen: 513.11 ppb
RT: 18.729 min Scan# 7950
Delta R.T. -0.002 min
Lab File: cs8575.D
Acq: 17 Sep 2025 02:35 pm

Tgt Ion:278 Resp: 49183

Ion	Ratio	Lower	Upper
278	100		
274	8.2	0.0	38.4
277	7.8	0.0	37.8

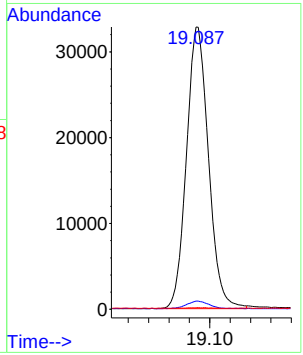




#34
Benzo[g,h,i]perylene
Concen: 498.61 ppb
RT: 19.087 min Scan# 8124
Delta R.T. -0.004 min
Lab File: cs8575.D
Acq: 17 Sep 2025 02:35 pm

Tgt Ion:276 Resp: 49113

Ion	Ratio	Lower	Upper
276	100		
278	2.7	0.0	32.6
279	0.2	0.0	30.2



Manual Integration Approval Summary

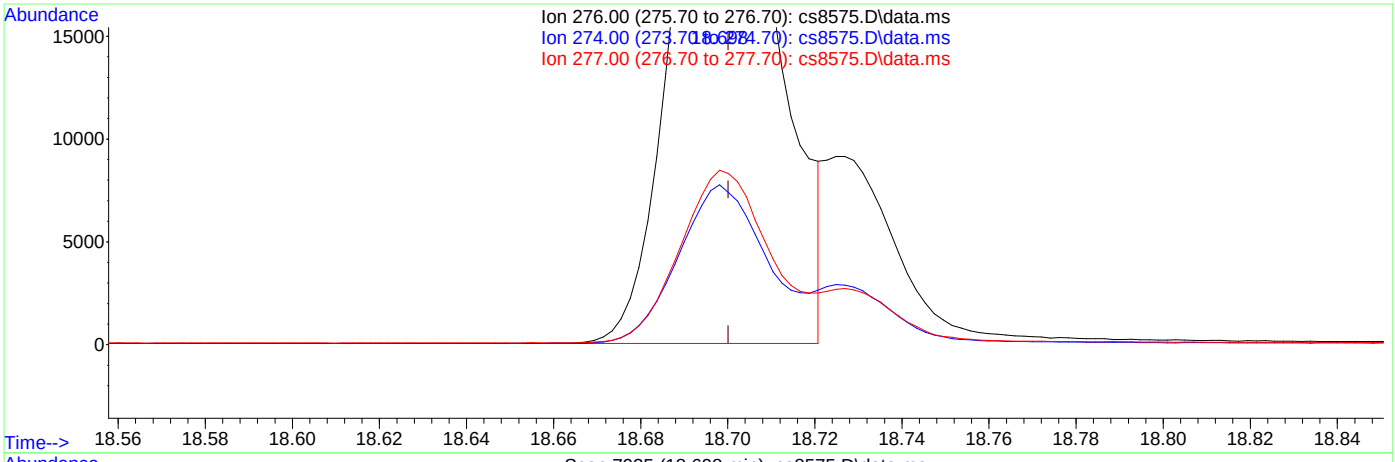
Sample Number: ECS446-IC446
Lab FileID: CS8575.D
Injection Time: 09/17/25 14:35
Method: SW846 8270E BY SIM
Analyst approved: 09/17/25 18:29 Rocquan Salters
Supervisor approved: 09/18/25 10:52 Ying Li

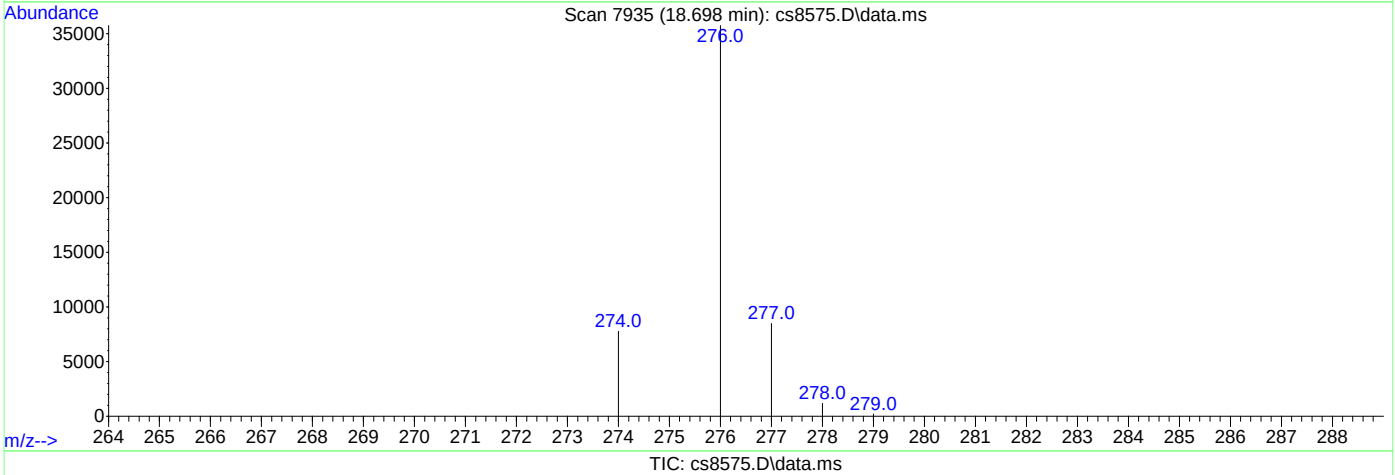
Parameter	CAS	Sig#	R.T. (min.)	Reason
Indeno(1,2,3-cd)pyrene	193-39-5		18.70	Baseline ripple

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8575.D
Acq On : 17 Sep 2025 02:35 pm
Operator : rocquans
Sample : ic446-0.5
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Sep 17 16:37:09 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration





TIC: cs8575.D\data.ms

(32) Indeno[1,2,3-cd]pyrene (t)

18.698min (-0.002) 505.91ppb

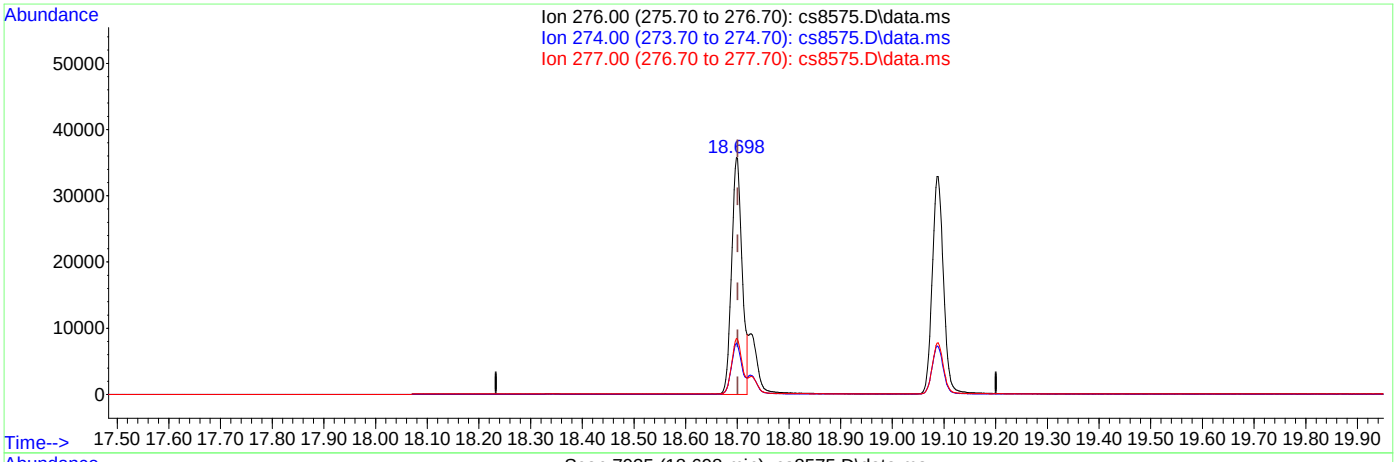
response 51250

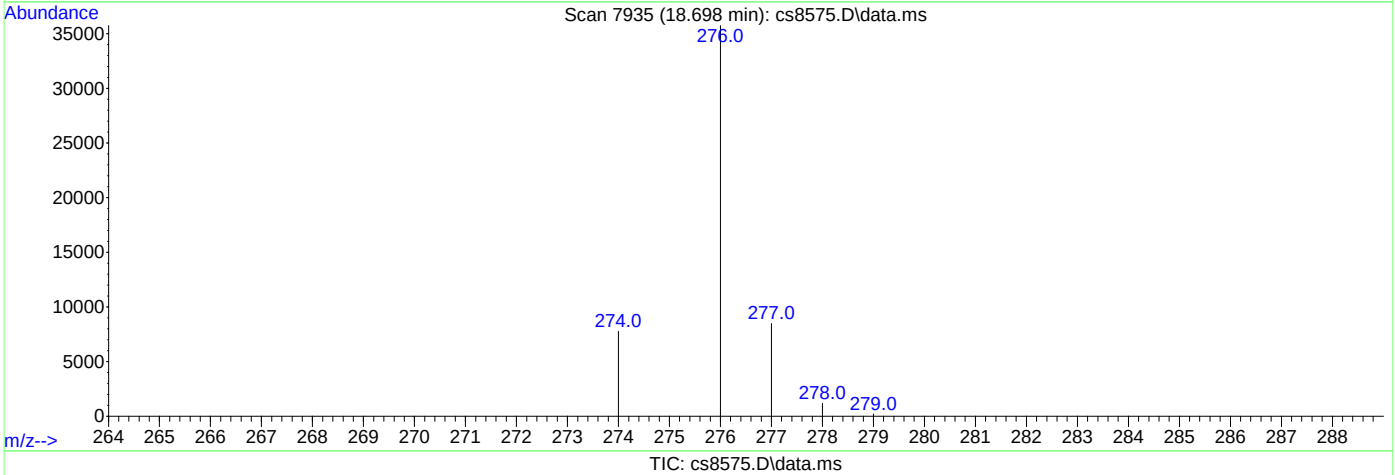
Ion	Exp%	Act%
276.00	100	100
274.00	20.40	20.51
277.00	22.40	22.97
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8575.D
Acq On : 17 Sep 2025 02:35 pm
Operator : rocquans
Sample : ic446-0.5
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Sep 17 16:37:09 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration





TIC: cs8575.D\data.ms

(32) Indeno[1,2,3-cd]pyrene (t)

18.698min (-0.002) 496.77ppb m

response 50325

Ion	Exp%	Act%
276.00	100	100
274.00	20.40	21.73
277.00	22.40	23.73
0.00	0.00	0.00

9.5.22.3

9

Manual Integrations APPROVED (compounds with "m" flag)
Ying Li
09/18/25 10:52

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8576.D
Acq On : 17 Sep 2025 03:02 pm
Operator : rocquans
Sample : ic446-1
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 50 Sample Multiplier: 1

Quant Time: Sep 17 15:46:10 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 15:40:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	9.077	150	60156	800.00	ppb	0.00
11) Fluorene-d10	10.394	176	79374	800.00	ppb	0.00
18) Fluoranthene-d10	12.985	212	117618	800.00	ppb	0.00
28) Benzo(a)pyrene-d12	17.075	264	65526	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	6.263	112	1058000	16826.46	ppb	0.00
Spiked Amount 10000.000			Recovery = 168.26%			
4) Phenol-d5	7.195	99	1274005	17519.96	ppb	0.00
Spiked Amount 10000.000			Recovery = 175.20%			
6) Nitrobenzene-d5	7.890	82	1037375	17567.10	ppb	0.00
Spiked Amount 10000.000			Recovery = 175.67%			
12) 2-Fluorobiphenyl	9.335	172	2126424	16033.67	ppb	0.00
Spiked Amount 10000.000			Recovery = 160.34%			
17) 2,4,6-Tribromophenol	10.692	330	284310	18921.88	ppb	0.00
Spiked Amount 10000.000			Recovery = 189.22%			
25) Terphenyl-d14	13.600	244	1477606	16553.94	ppb	0.00
Spiked Amount 10000.000			Recovery = 165.54%			
Target Compounds						Qvalue
2) 1,4-Dioxane	4.420	88	29061	1042.37	ppb	96
5) Phenol	7.205	94	358959	4361.40	ppb	99
7) Naphthalene	8.469	128	208563	970.10	ppb	100
8) Hexachlorobutadiene	8.622	225	29957	952.39	ppb	98
9) 2-Methylnaphthalene	9.018	141	116599	979.79	ppb	98
10) 1-Methylnaphthalene	9.104	141	111382	972.22	ppb	100
13) Acenaphthylene	9.776	152	205731	1019.79	ppb	100
14) Acenaphthene	9.942	153	131302	952.63	ppb	97
15) Fluorene	10.423	166	152914	982.13	ppb	99
19) Hexachlorobenzene	11.095	284	39631	989.80	ppb	99
20) Pentachlorophenol	11.295	266	133992	6539.60	ppb	100
21) Phenanthrene	11.463	178	212312	988.88	ppb	100
22) Anthracene	11.516	178	208803	1026.27	ppb	100
23) Fluoranthene	13.009	202	221889	987.19	ppb	100
24) Pyrene	13.318	202	227826	997.66	ppb	100
26) Benzo[a]anthracene	15.100	228	170027	1021.06	ppb	100
27) Chrysene	15.159	228	162015	966.53	ppb	99
29) Benzo[b]fluoranthene	16.675	252	145730	998.02	ppb	100
30) Benzo[k]fluoranthene	16.707	252	140586	991.61	ppb	99
31) Benzo[a]pyrene	17.105	252	135639	1007.28	ppb	100
32) Indeno[1,2,3-cd]pyrene	18.698	276	108510m	987.00	ppb	
33) Dibenz[a,h]anthracene	18.727	278	104113	1000.87	ppb	100
34) Benzo[g,h,i]perylene	19.089	276	104407	976.71	ppb	100

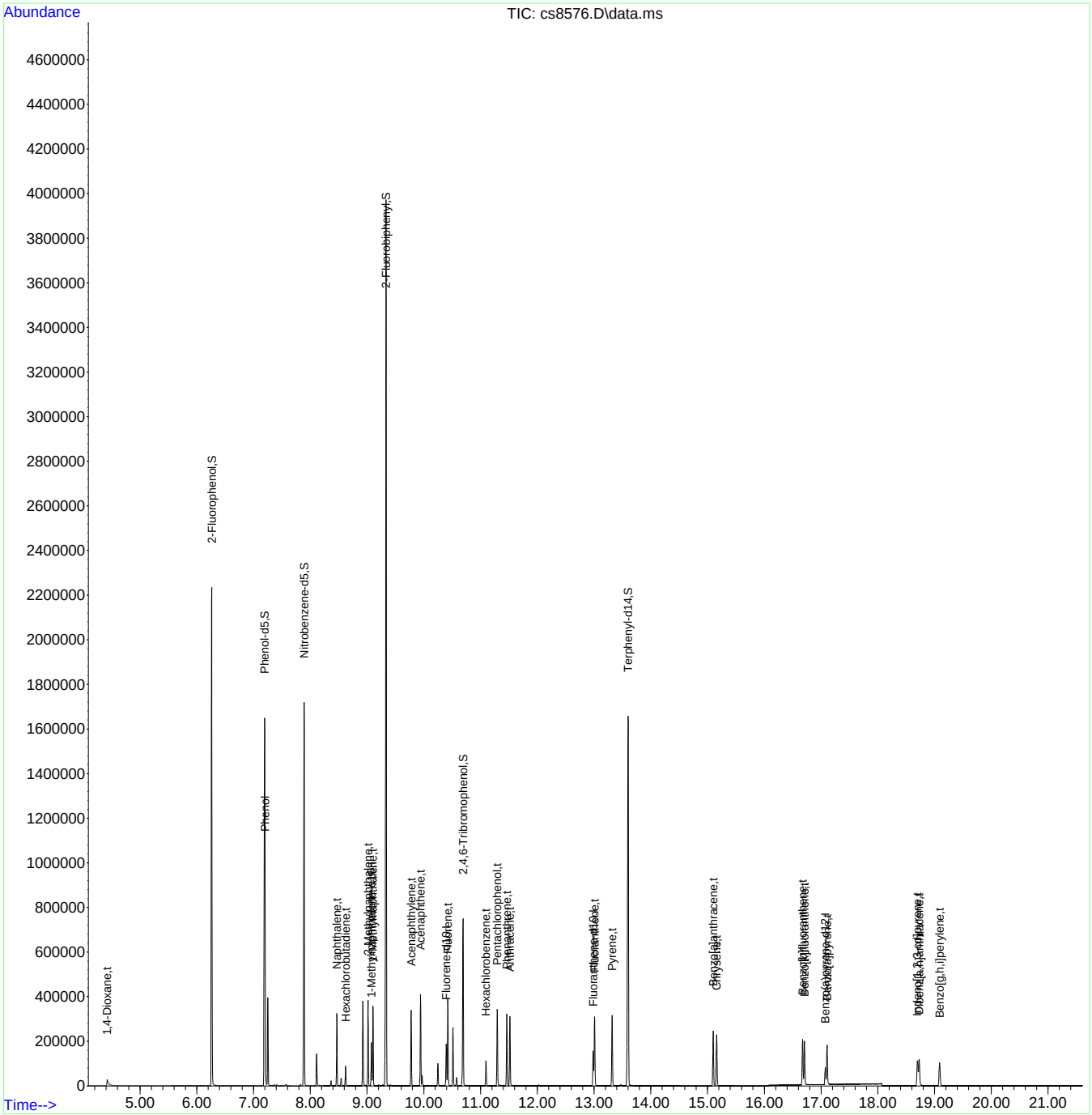
(#) = qualifier out of range (m) = manual integration (+) = signals summed

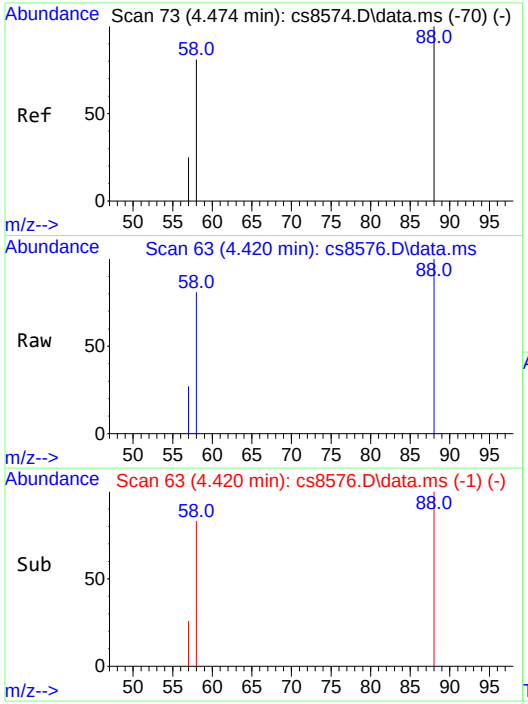
9.5.23
9

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8576.D
Acq On : 17 Sep 2025 03:02 pm
Operator : rocquans
Sample : ic446-1
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 50 Sample Multiplier: 1

Quant Time: Sep 17 15:46:10 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 15:40:02 2025
Response via : Initial Calibration

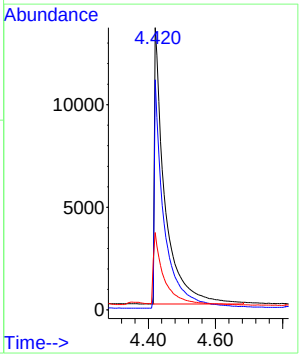


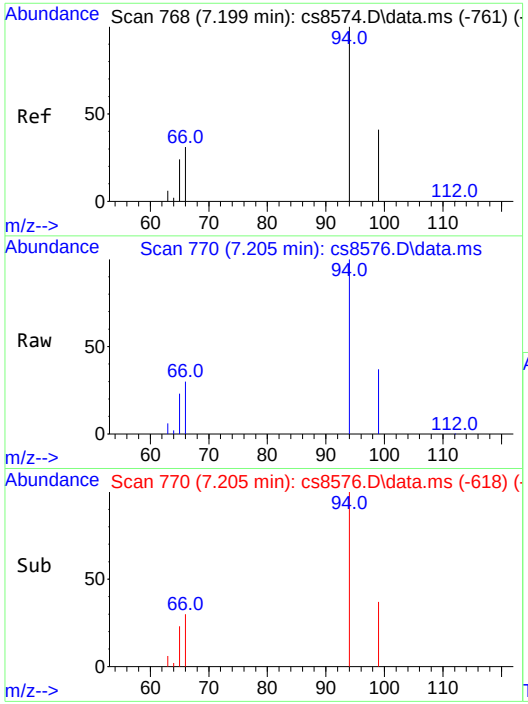


#2
1,4-Dioxane
Concen: 1042.37 ppb
RT: 4.420 min Scan# 63
Delta R.T. -0.054 min
Lab File: cs8576.D
Acq: 17 Sep 2025 03:02 pm

Tgt Ion: 88 Resp: 29061

Ion	Ratio	Lower	Upper
88	100		
58	80.4	61.3	101.3
57	18.1	5.8	45.8

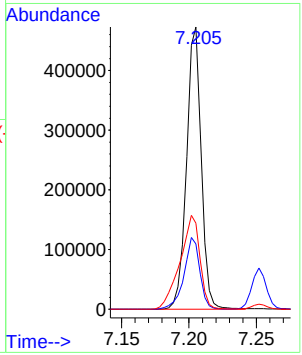


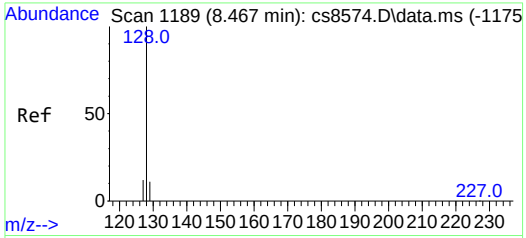


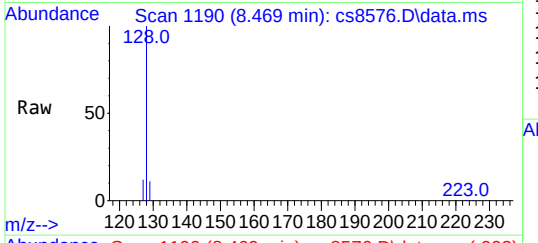
#5
Phenol
Concen: 4361.40 ppb
RT: 7.205 min Scan# 770
Delta R.T. 0.007 min
Lab File: cs8576.D
Acq: 17 Sep 2025 03:02 pm

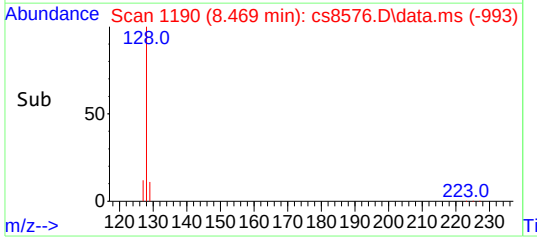
Tgt Ion: 94 Resp: 358959

Ion	Ratio	Lower	Upper
94	100		
65	22.2	17.0	25.4
66	30.3	24.6	37.0





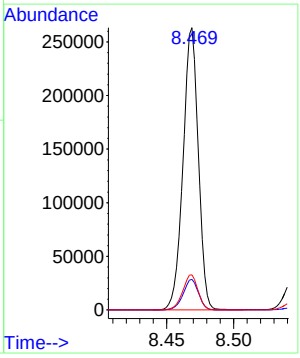


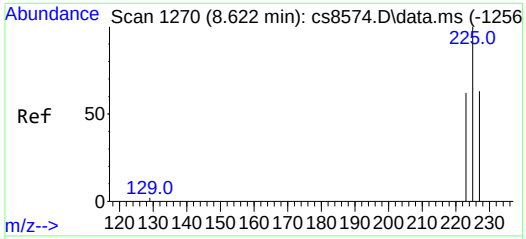


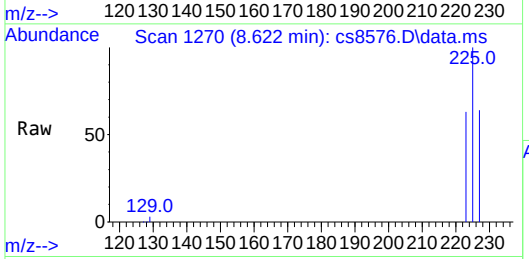
#7
Naphthalene
Concen: 970.10 ppb
RT: 8.469 min Scan# 1190
Delta R.T. 0.002 min
Lab File: cs8576.D
Acq: 17 Sep 2025 03:02 pm

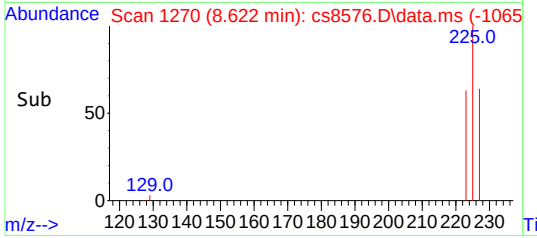
Tgt Ion:128 Resp: 208563

Ion	Ratio	Lower	Upper
128	100		
129	10.8	0.0	40.8
127	12.4	0.0	42.4





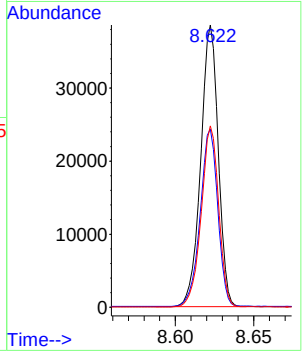


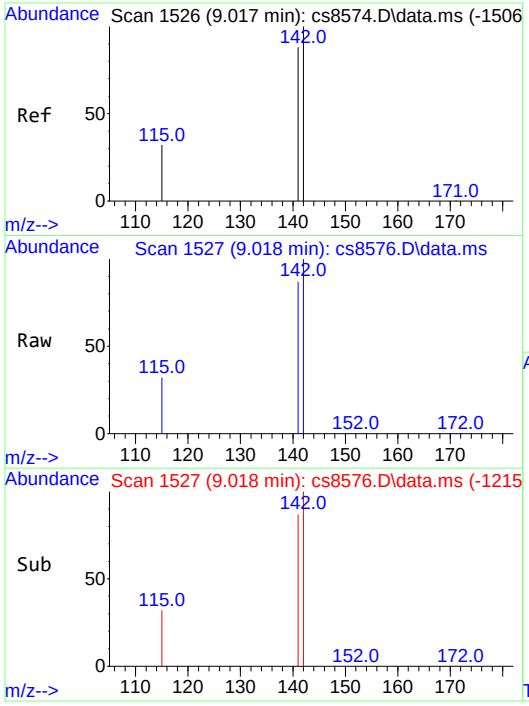


#8
Hexachlorobutadiene
Concen: 952.39 ppb
RT: 8.622 min Scan# 1270
Delta R.T. -0.000 min
Lab File: cs8576.D
Acq: 17 Sep 2025 03:02 pm

Tgt Ion:225 Resp: 29957

Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.8	91.8
227	64.2	32.6	92.6

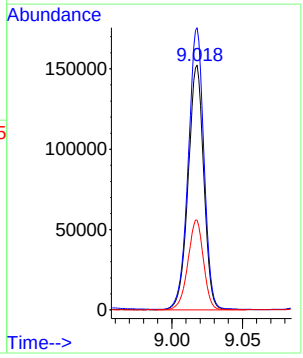


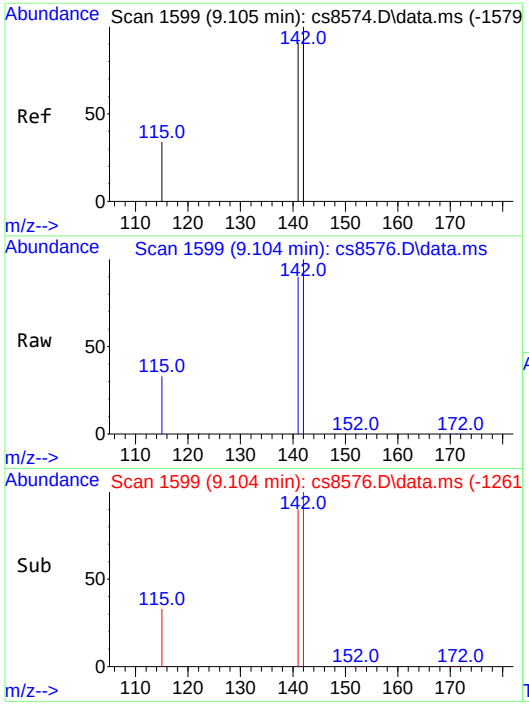


#9
2-Methylnaphthalene
Concen: 979.79 ppb
RT: 9.018 min Scan# 1527
Delta R.T. 0.001 min
Lab File: cs8576.D
Acq: 17 Sep 2025 03:02 pm

Tgt Ion:141 Resp: 116599

Ion	Ratio	Lower	Upper
141	100		
142	115.2	83.1	143.1
115	36.5	5.8	65.8

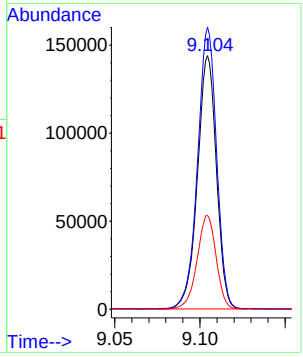


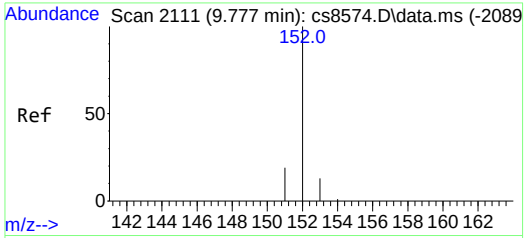


#10
1-Methylnaphthalene
Concen: 972.22 ppb
RT: 9.104 min Scan# 1599
Delta R.T. -0.000 min
Lab File: cs8576.D
Acq: 17 Sep 2025 03:02 pm

Tgt Ion:141 Resp: 111382

Ion	Ratio	Lower	Upper
141	100		
142	111.2	80.8	140.8
115	37.0	7.2	67.2

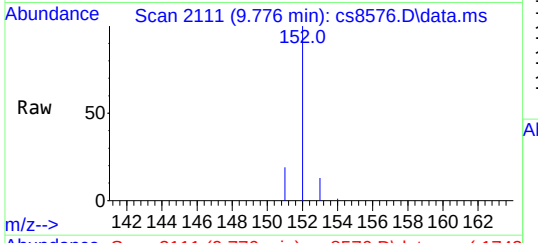


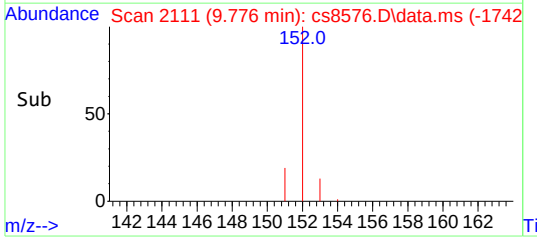


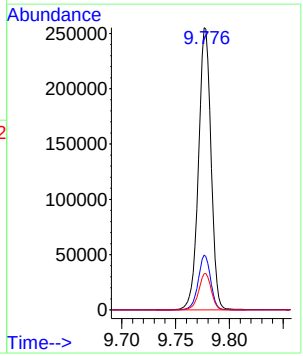
#13
Acenaphthylene
Concen: 1019.79 ppb
RT: 9.776 min Scan# 2111
Delta R.T. -0.000 min
Lab File: cs8576.D
Acq: 17 Sep 2025 03:02 pm

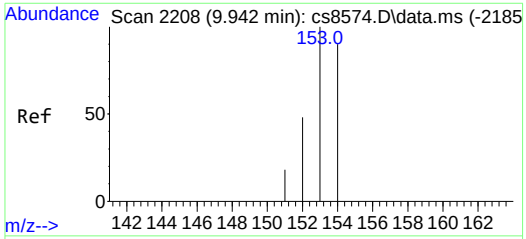
Tgt Ion:152 Resp: 205731

Ion	Ratio	Lower	Upper
152	100		
151	19.4	0.0	49.3
153	12.8	0.0	42.7





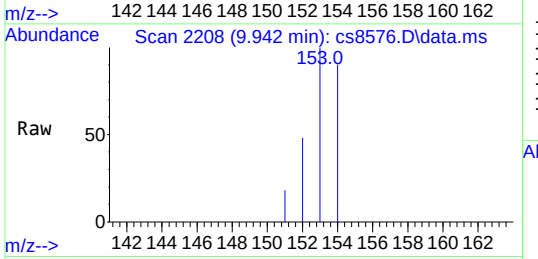


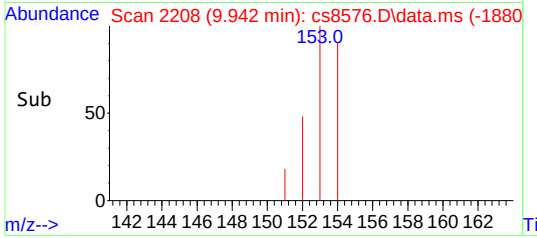


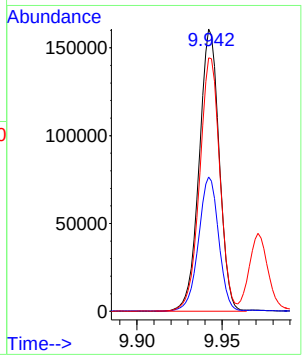
#14
Acenaphthene
Concen: 952.63 ppb
RT: 9.942 min Scan# 2208
Delta R.T. -0.000 min
Lab File: cs8576.D
Acq: 17 Sep 2025 03:02 pm

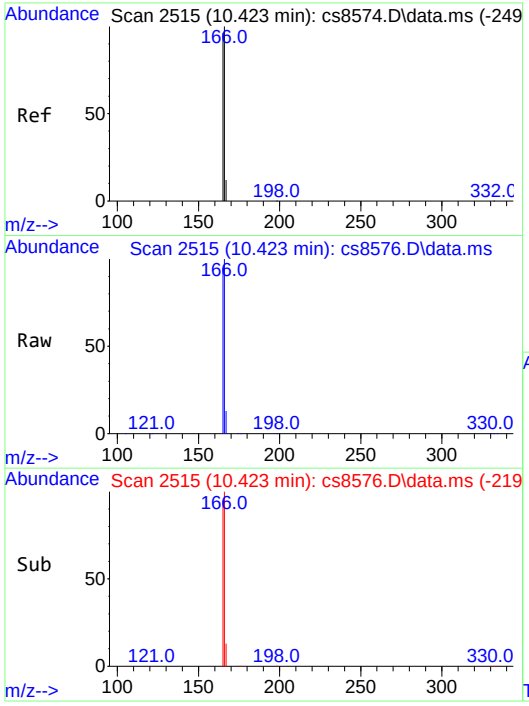
Tgt Ion:153 Resp: 131302

Ion	Ratio	Lower	Upper
153	100		
152	47.4	17.7	77.7
154	84.7	59.5	119.5





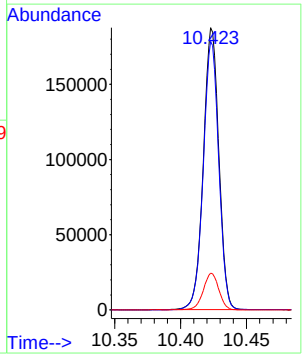


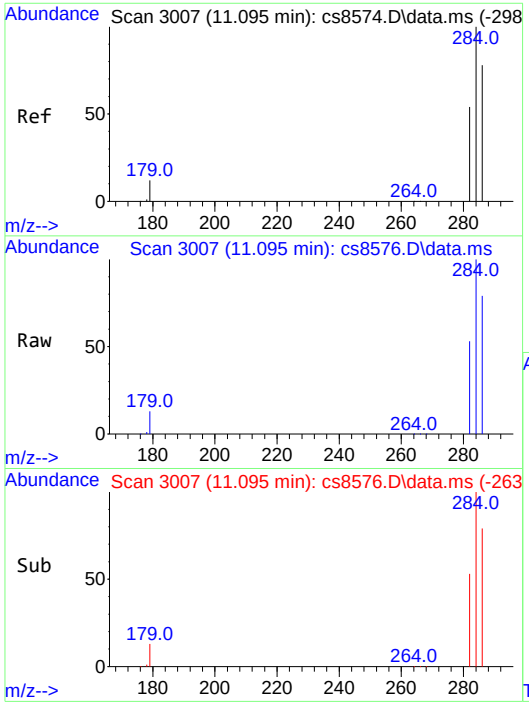


#15
Fluorene
Concen: 982.13 ppb
RT: 10.423 min Scan# 2515
Delta R.T. 0.000 min
Lab File: cs8576.D
Acq: 17 Sep 2025 03:02 pm

Tgt Ion:166 Resp: 152914

Ion	Ratio	Lower	Upper
166	100		
165	95.1	65.7	125.7
167	12.9	0.0	42.4

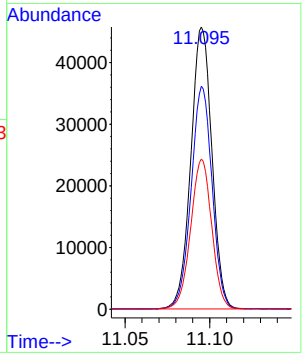


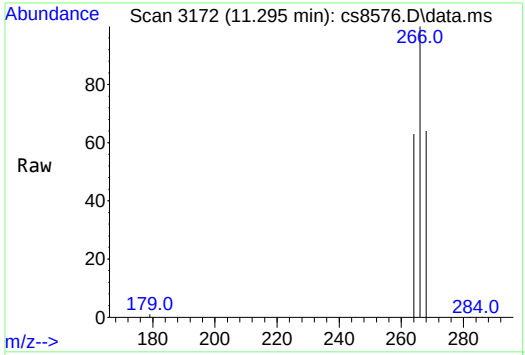


#19
Hexachlorobenzene
Concen: 989.80 ppb
RT: 11.095 min Scan# 3007
Delta R.T. 0.000 min
Lab File: cs8576.D
Acq: 17 Sep 2025 03:02 pm

Tgt Ion:284 Resp: 39631

Ion	Ratio	Lower	Upper
284	100		
286	79.0	48.0	108.0
282	53.0	23.8	83.8

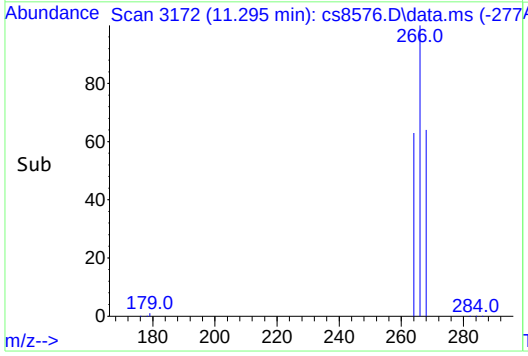


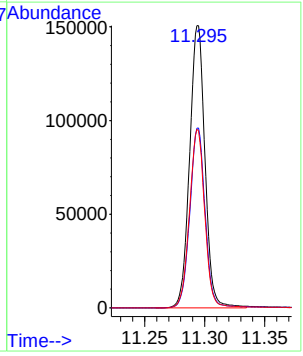


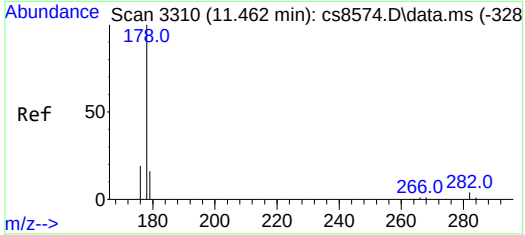
#20
Pentachlorophenol
Concen: 6539.60 ppb
RT: 11.295 min Scan# 3172
Delta R.T. 0.001 min
Lab File: cs8576.D
Acq: 17 Sep 2025 03:02 pm

Tgt Ion:266 Resp: 133992

Ion	Ratio	Lower	Upper
266	100		
268	63.3	43.1	83.1
264	62.7	43.0	83.0



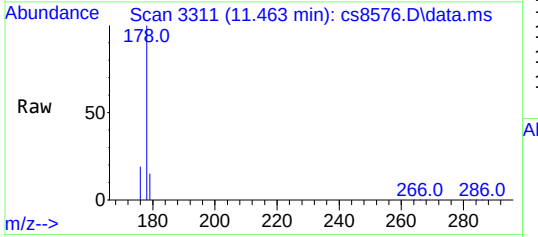


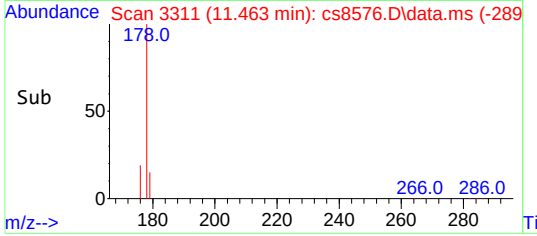


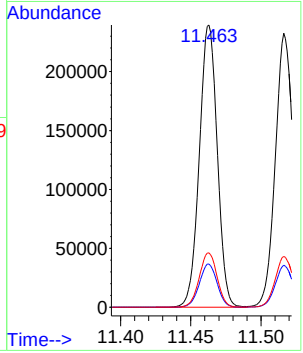
#21
Phenanthrene
Concen: 988.88 ppb
RT: 11.463 min Scan# 3311
Delta R.T. 0.001 min
Lab File: cs8576.D
Acq: 17 Sep 2025 03:02 pm

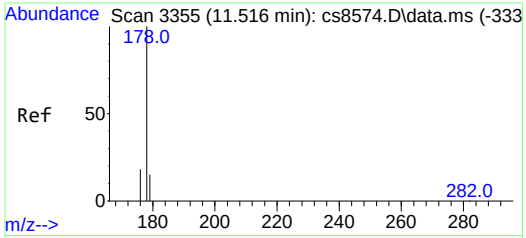
Tgt Ion:178 Resp: 212312

Ion	Ratio	Lower	Upper
178	100		
179	15.3	0.0	45.7
176	19.3	0.0	49.2





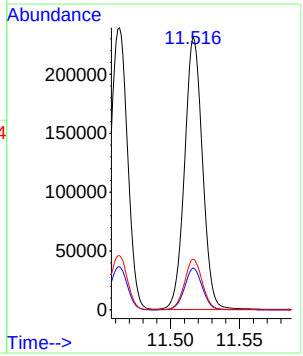


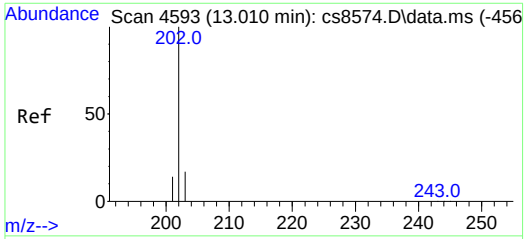


#22
Anthracene
Concen: 1026.27 ppb
RT: 11.516 min Scan# 3355
Delta R.T. 0.000 min
Lab File: cs8576.D
Acq: 17 Sep 2025 03:02 pm

Tgt Ion:178 Resp: 208803

Ion	Ratio	Lower	Upper
178	100		
179	15.3	0.0	45.2
176	18.5	0.0	48.4

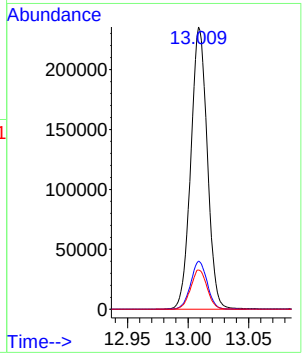


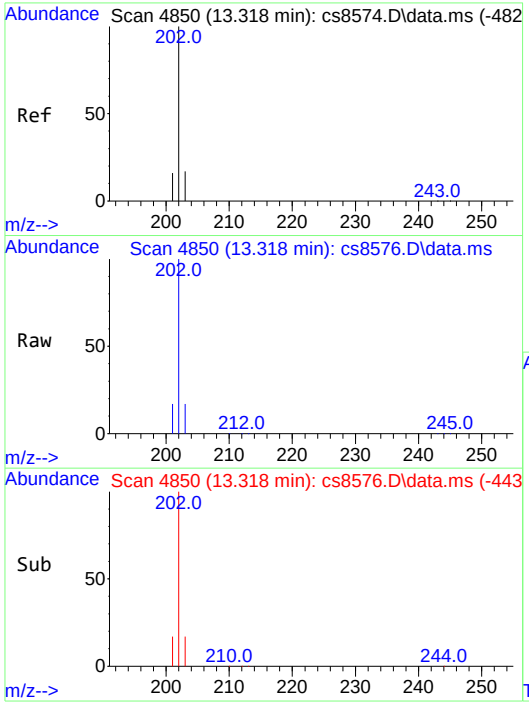


#23
Fluoranthene
Concen: 987.19 ppb
RT: 13.009 min Scan# 4592
Delta R.T. -0.001 min
Lab File: cs8576.D
Acq: 17 Sep 2025 03:02 pm

Tgt Ion:202 Resp: 221889

Ion	Ratio	Lower	Upper
202	100		
203	17.1	0.0	47.2
201	13.9	0.0	44.0

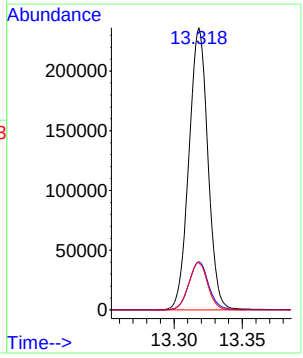


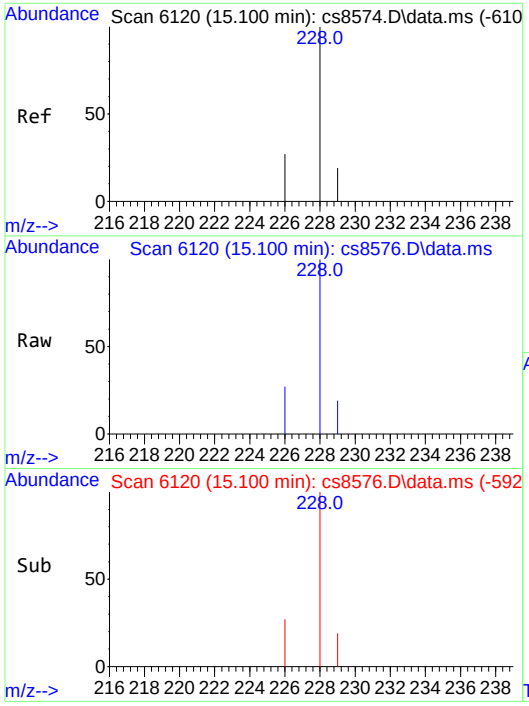


#24
Pyrene
Concen: 997.66 ppb
RT: 13.318 min Scan# 4850
Delta R.T. 0.000 min
Lab File: cs8576.D
Acq: 17 Sep 2025 03:02 pm

Tgt Ion:202 Resp: 227826

Ion	Ratio	Lower	Upper
202	100		
203	17.0	0.0	47.1
201	16.7	0.0	46.4

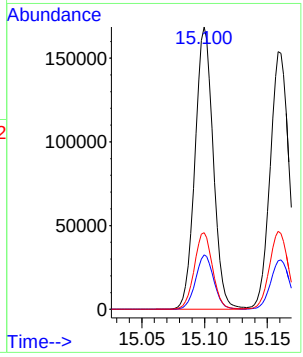


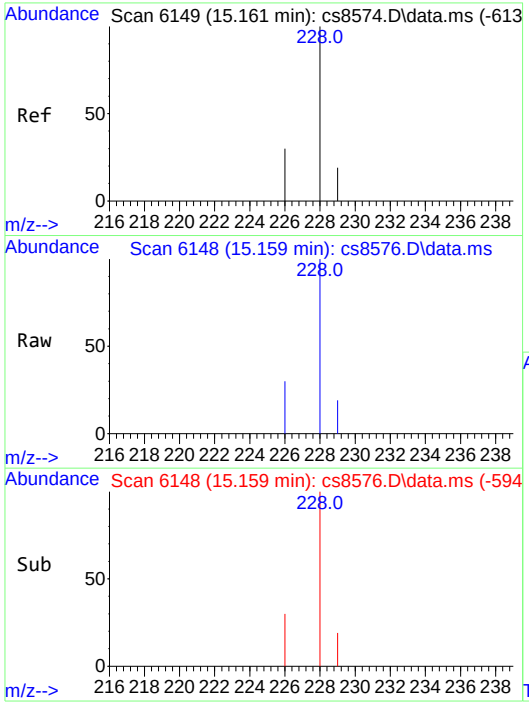


#26
Benzo[a]anthracene
Concen: 1021.06 ppb
RT: 15.100 min Scan# 6120
Delta R.T. -0.000 min
Lab File: cs8576.D
Acq: 17 Sep 2025 03:02 pm

Tgt Ion:228 Resp: 170027

Ion	Ratio	Lower	Upper
228	100		
229	19.2	0.0	49.1
226	27.1	0.0	57.0

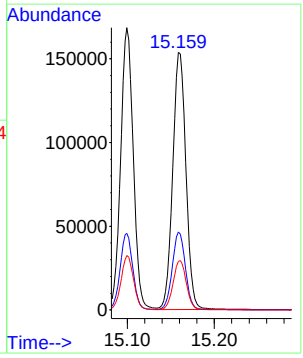


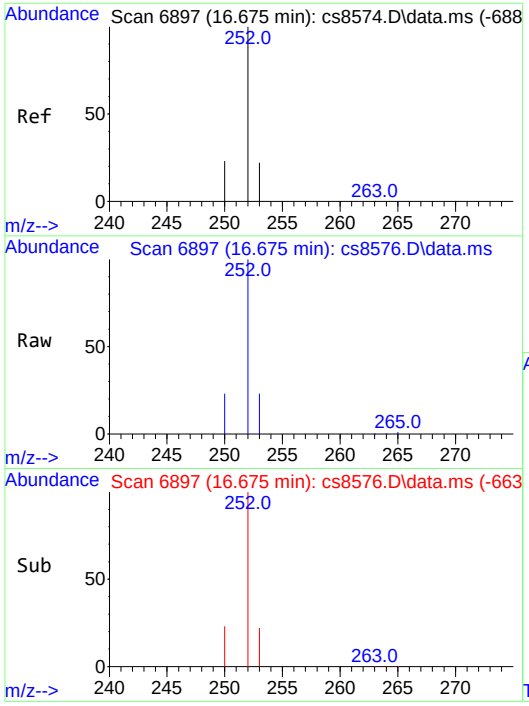


#27
Chrysene
Concen: 966.53 ppb
RT: 15.159 min Scan# 6148
Delta R.T. -0.002 min
Lab File: cs8576.D
Acq: 17 Sep 2025 03:02 pm

Tgt Ion:228 Resp: 162015

Ion	Ratio	Lower	Upper
228	100		
226	30.3	0.0	59.6
229	18.8	0.0	49.1

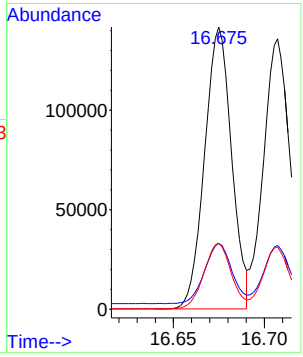


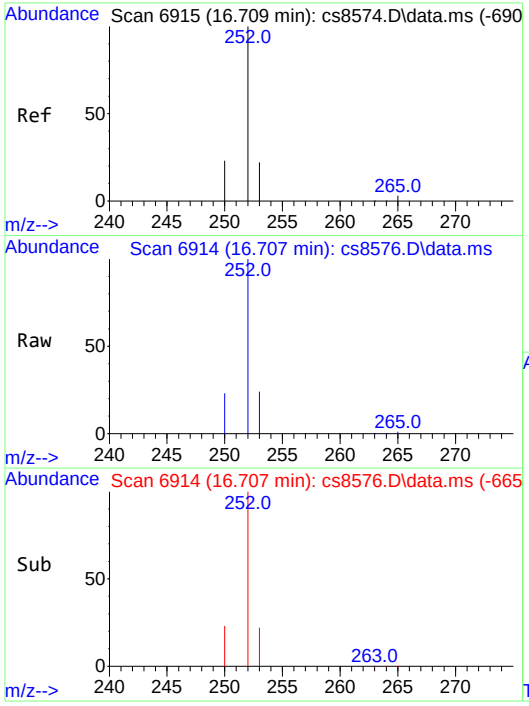


#29
Benzo[b]fluoranthene
Concen: 998.02 ppb
RT: 16.675 min Scan# 6897
Delta R.T. -0.000 min
Lab File: cs8576.D
Acq: 17 Sep 2025 03:02 pm

Tgt Ion:252 Resp: 145730

Ion	Ratio	Lower	Upper
252	100		
253	21.3	0.0	51.5
250	23.3	0.0	53.4

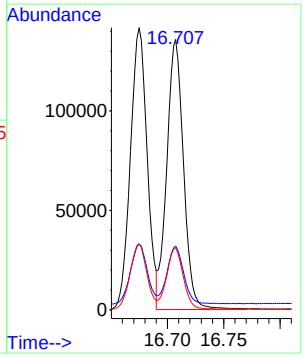


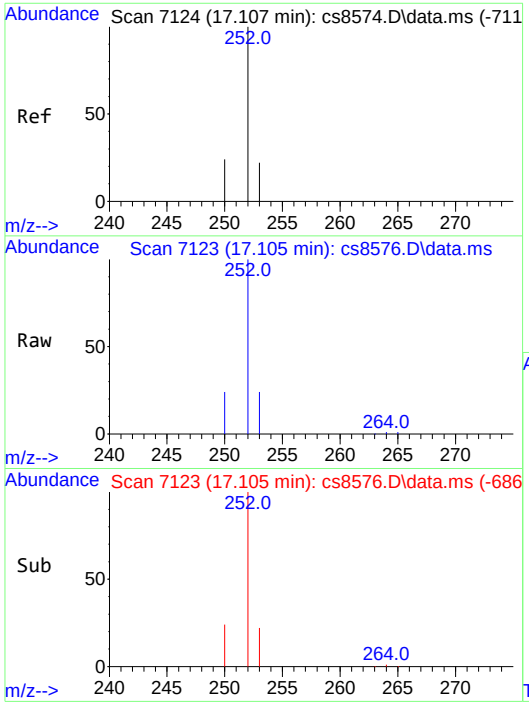


#30
Benzo[k]fluoranthene
Concen: 991.61 ppb
RT: 16.707 min Scan# 6914
Delta R.T. -0.002 min
Lab File: cs8576.D
Acq: 17 Sep 2025 03:02 pm

Tgt Ion:252 Resp: 140586

Ion	Ratio	Lower	Upper
252	100		
253	21.4	0.0	51.3
250	22.8	0.0	53.2

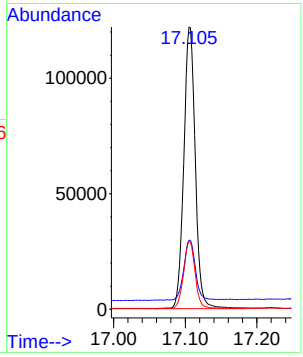


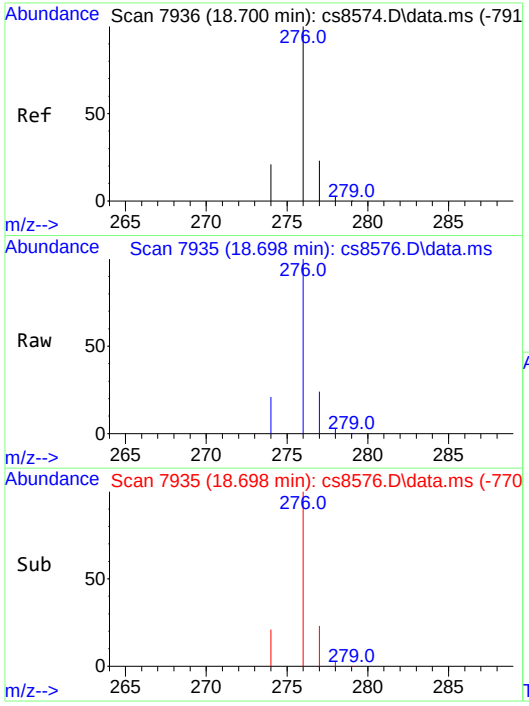


#31
Benzo[a]pyrene
Concen: 1007.28 ppb
RT: 17.105 min Scan# 7123
Delta R.T. -0.002 min
Lab File: cs8576.D
Acq: 17 Sep 2025 03:02 pm

Tgt Ion:252 Resp: 135639

Ion	Ratio	Lower	Upper
252	100		
253	21.1	0.0	51.3
250	23.8	0.0	53.7

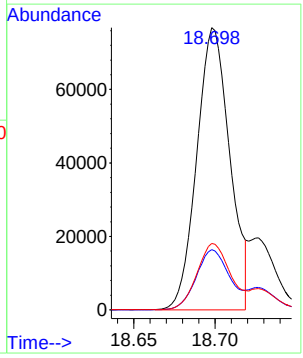


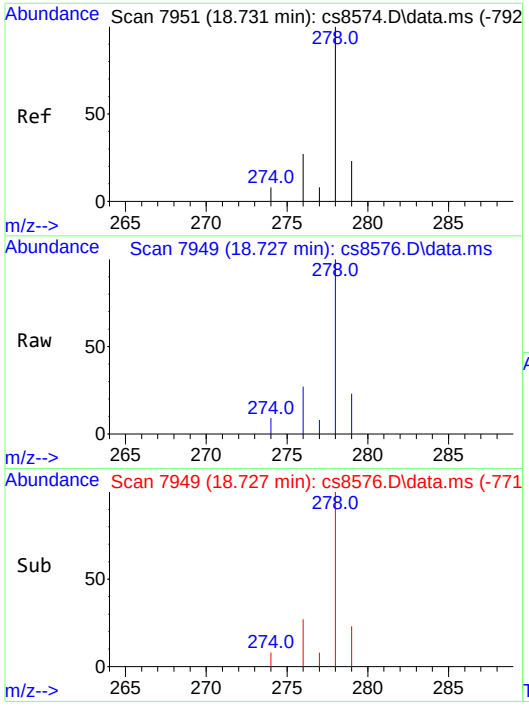


#32
Indeno[1,2,3-cd]pyrene
Concen: 987.00 ppb m
RT: 18.698 min Scan# 7935
Delta R.T. -0.002 min
Lab File: cs8576.D
Acq: 17 Sep 2025 03:02 pm

Tgt Ion:276 Resp: 108510

Ion	Ratio	Lower	Upper
276	100		
274	21.4	0.0	50.4
277	23.5	0.0	52.4

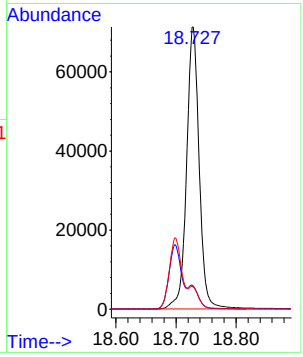




#33
Dibenz[a,h]anthracene
Concen: 1000.87 ppb
RT: 18.727 min Scan# 7949
Delta R.T. -0.004 min
Lab File: cs8576.D
Acq: 17 Sep 2025 03:02 pm

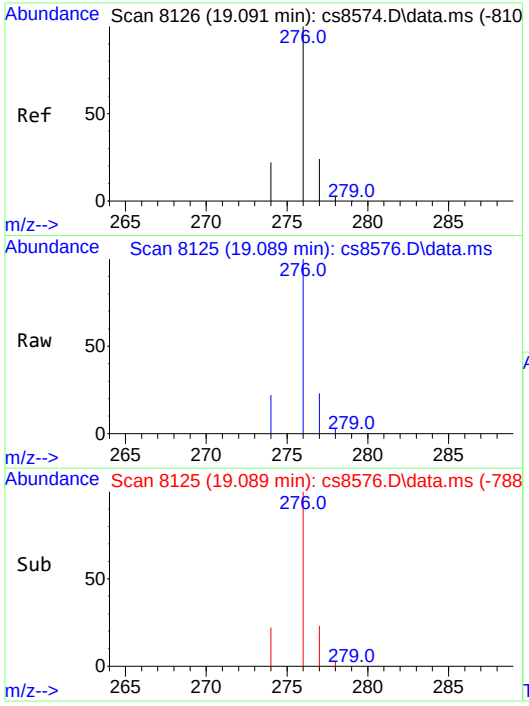
Tgt Ion:278 Resp: 104113

Ion	Ratio	Lower	Upper
278	100		
274	8.4	0.0	38.4
277	8.0	0.0	37.8



9.5.23

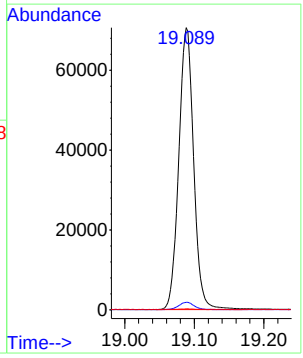
9



#34
Benzo[g,h,i]perylene
Concen: 976.71 ppb
RT: 19.089 min Scan# 8125
Delta R.T. -0.002 min
Lab File: cs8576.D
Acq: 17 Sep 2025 03:02 pm

Tgt Ion:276 Resp: 104407

Ion	Ratio	Lower	Upper
276	100		
278	2.6	0.0	32.6
279	0.2	0.0	30.2



Manual Integration Approval Summary

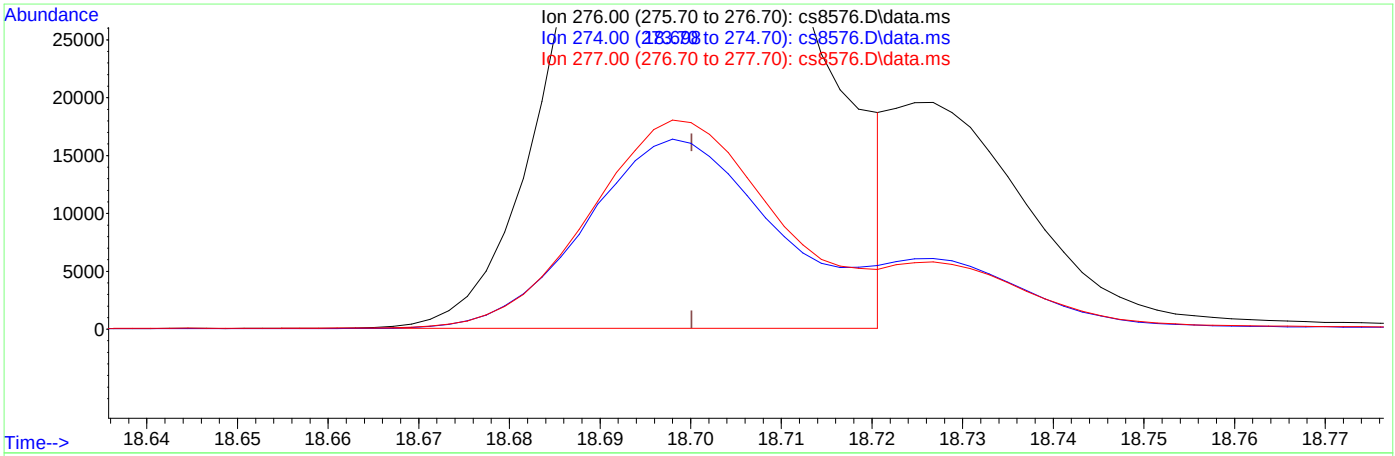
Sample Number: ECS446-IC446
Lab FileID: CS8576.D
Injection Time: 09/17/25 15:02
Method: SW846 8270E BY SIM
Analyst approved: 09/17/25 18:29 Rocquan Salters
Supervisor approved: 09/18/25 10:52 Ying Li

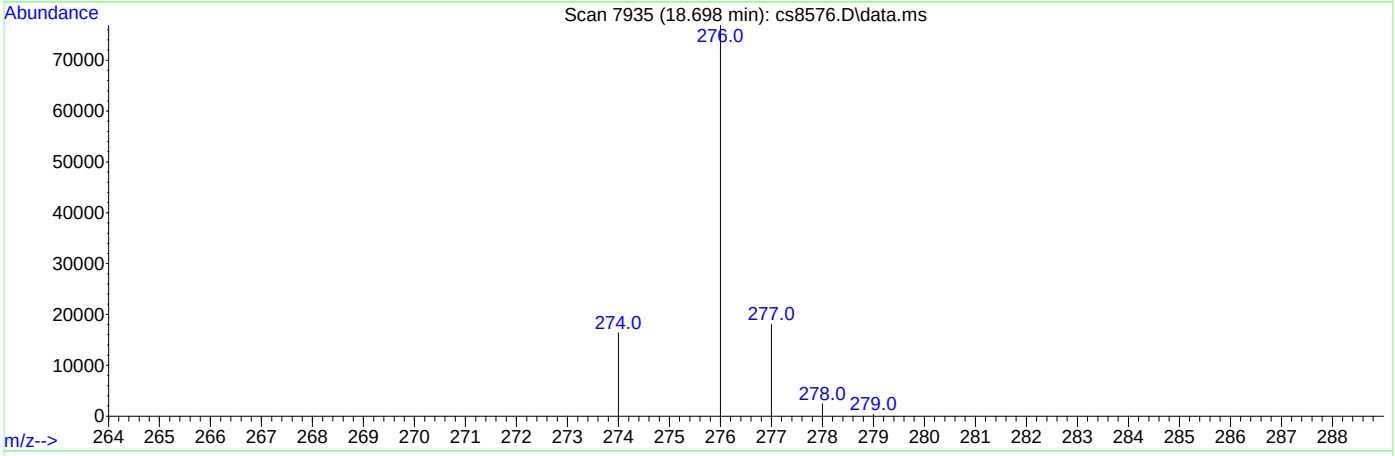
Parameter	CAS	Sig#	R.T. (min.)	Reason
Indeno(1,2,3-cd)pyrene	193-39-5		18.70	Baseline ripple

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8576.D
Acq On : 17 Sep 2025 03:02 pm
Operator : rocquans
Sample : ic446-1
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 50 Sample Multiplier: 1

Quant Time: Sep 17 15:46:10 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 15:40:02 2025
Response via : Initial Calibration





TIC: cs8576.D\data.ms

(32) Indeno[1,2,3-cd]pyrene (t)

18.698min (-0.002) 1005.87ppb

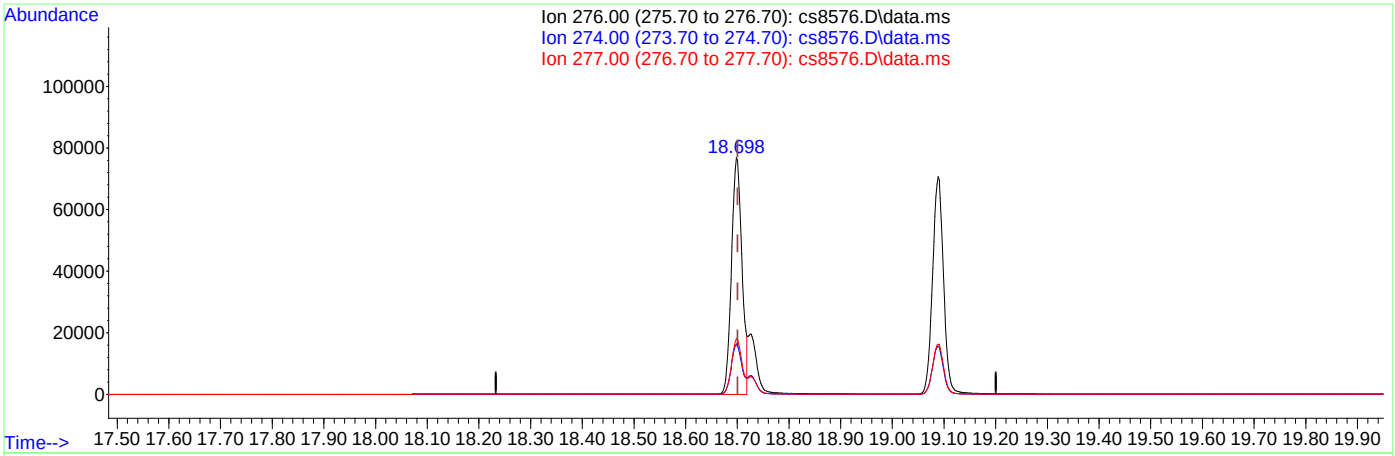
response 110584

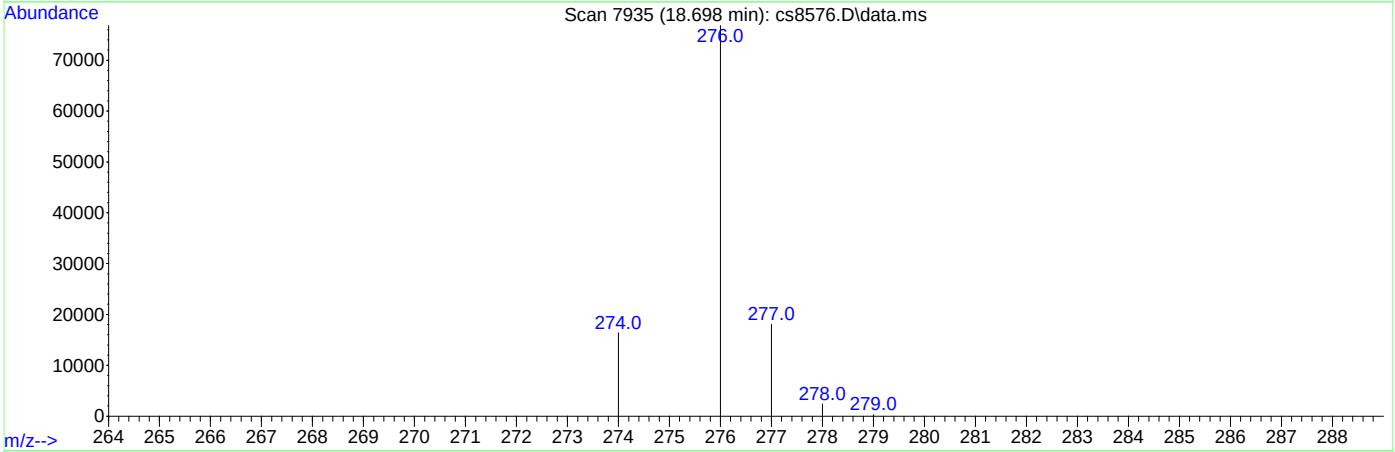
Ion	Exp%	Act%
276.00	100	100
274.00	20.40	20.22
277.00	22.40	22.92
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8576.D
Acq On : 17 Sep 2025 03:02 pm
Operator : rocquans
Sample : ic446-1
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 50 Sample Multiplier: 1

Quant Time: Sep 17 15:46:10 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 15:40:02 2025
Response via : Initial Calibration





TIC: cs8576.D\data.ms

(32) Indeno[1,2,3-cd]pyrene (t)

18.698min (-0.002) 987.00ppb m

response 108510

Ion	Exp%	Act%
276.00	100	100
274.00	20.40	21.36
277.00	22.40	23.53
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Ying Li
09/18/25 10:52

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8577.D
Acq On : 17 Sep 2025 03:29 pm
Operator : rocquans
Sample : ic446-2
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 51 Sample Multiplier: 1

Quant Time: Sep 17 16:38:41 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	9.077	150	59396	800.00	ppb	0.00
11) Fluorene-d10	10.396	176	77728	800.00	ppb	0.00
18) Fluoranthene-d10	12.983	212	112324	800.00	ppb	0.00
28) Benzo(a)pyrene-d12	17.075	264	63084	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	6.263	112	1894843	30521.24	ppb	0.00
Spiked Amount 10000.000			Recovery = 305.21%			
4) Phenol-d5	7.199	99	2334911	32520.27	ppb	0.00
Spiked Amount 10000.000			Recovery = 325.20%			
6) Nitrobenzene-d5	7.897	82	1931353	33124.38	ppb	0.01
Spiked Amount 10000.000			Recovery = 331.24%			
12) 2-Fluorobiphenyl	9.339	172	3663724	28210.23	ppb	0.00
Spiked Amount 10000.000			Recovery = 282.10%			
17) 2,4,6-Tribromophenol	10.696	330	501420	34078.04	ppb	0.00
Spiked Amount 10000.000			Recovery = 340.78%			
25) Terphenyl-d14	13.609	244	2498404	29309.37	ppb	0.02
Spiked Amount 10000.000			Recovery = 293.09%			
Target Compounds						Qvalue
2) 1,4-Dioxane	4.410	88	58312	2118.32	ppb	94
5) Phenol	7.212	94	664747	8180.12	ppb	98
7) Naphthalene	8.469	128	405696	1911.17	ppb	100
8) Hexachlorobutadiene	8.622	225	58487	1883.21	ppb	98
9) 2-Methylnaphthalene	9.018	141	225567	1919.72	ppb	98
10) 1-Methylnaphthalene	9.105	141	215048	1901.12	ppb	100
13) Acenaphthylene	9.777	152	403271	2041.30	ppb	100
14) Acenaphthene	9.944	153	250132	1853.20	ppb	98
15) Fluorene	10.424	166	291682	1913.08	ppb	99
16) 4,6-dinitro-2-methylph...	10.518	198	225979	16549.92	ppb	96
19) Hexachlorobenzene	11.095	284	75614	1977.49	ppb	100
20) Pentachlorophenol	11.296	266	261670	13372.96	ppb	100
21) Phenanthrene	11.464	178	397782	1940.06	ppb	100
22) Anthracene	11.517	178	394237	2029.01	ppb	100
23) Fluoranthene	13.010	202	413370	1925.77	ppb	100
24) Pyrene	13.318	202	423178	1940.46	ppb	99
26) Benzo[a]anthracene	15.100	228	316299	1988.99	ppb	99
27) Chrysene	15.161	228	295788	1847.75	ppb	99
29) Benzo[b]fluoranthene	16.677	252	274888	1955.42	ppb	100
30) Benzo[k]fluoranthene	16.709	252	261573	1916.40	ppb	100
31) Benzo[a]pyrene	17.107	252	256016	1974.82	ppb	100
32) Indeno[1,2,3-cd]pyrene	18.700	276	215645m	2037.43	ppb	
33) Dibenz[a,h]anthracene	18.729	278	202717	2024.21	ppb	100
34) Benzo[g,h,i]perylene	19.091	276	201983	1962.65	ppb	100

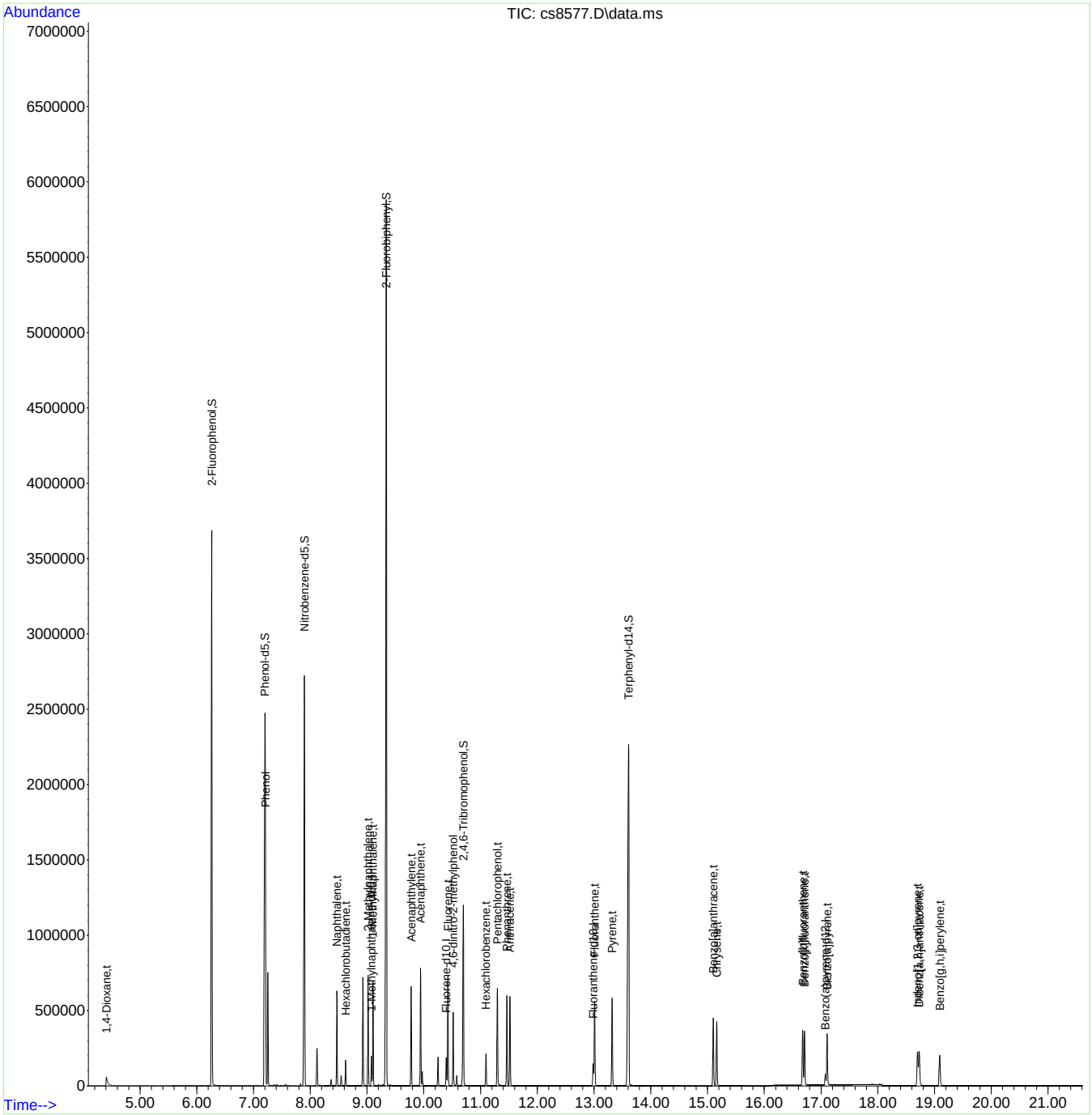
(#) = qualifier out of range (m) = manual integration (+) = signals summed

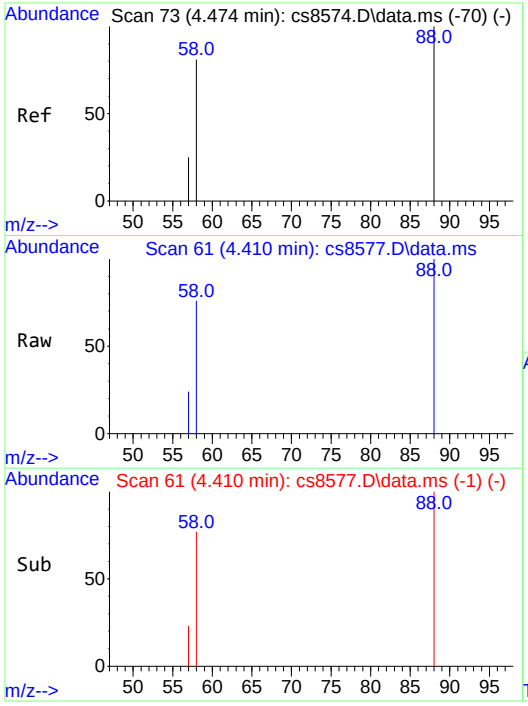
9.5.24
9

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8577.D
Acq On : 17 Sep 2025 03:29 pm
Operator : rocquans
Sample : ic446-2
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 51 Sample Multiplier: 1

Quant Time: Sep 17 16:38:41 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration

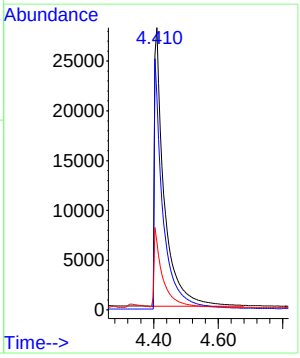


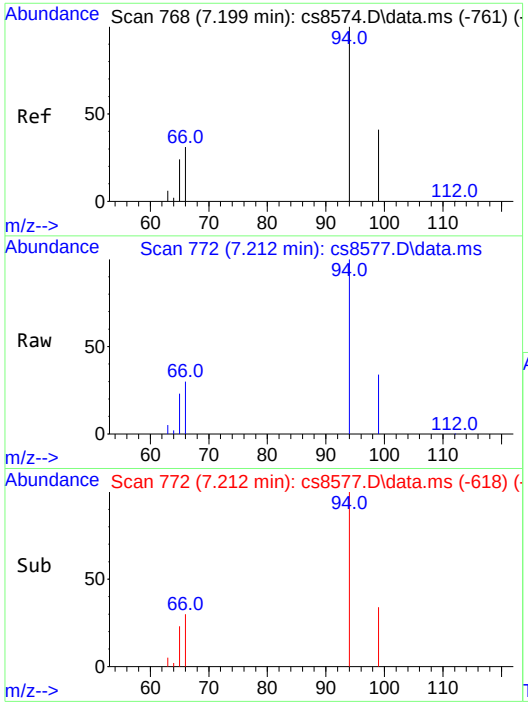


#2
1,4-Dioxane
Concen: 2118.32 ppb
RT: 4.410 min Scan# 61
Delta R.T. -0.064 min
Lab File: cs8577.D
Acq: 17 Sep 2025 03:29 pm

Tgt Ion: 88 Resp: 58312

Ion	Ratio	Lower	Upper
88	100		
58	76.4	61.3	101.3
57	21.6	5.8	45.8

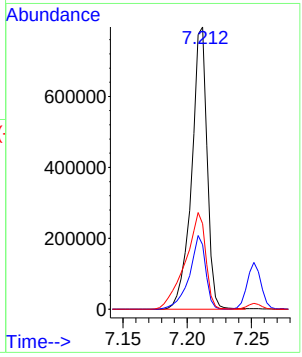


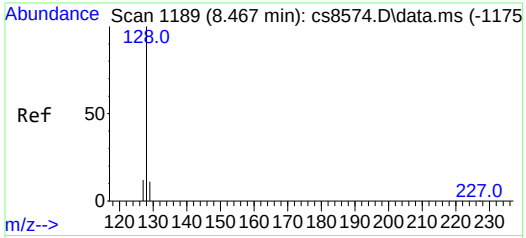


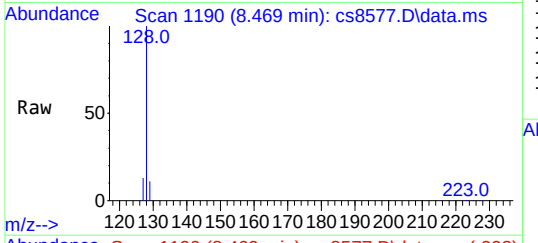
#5
Phenol
Concen: 8180.12 ppb
RT: 7.212 min Scan# 772
Delta R.T. 0.013 min
Lab File: cs8577.D
Acq: 17 Sep 2025 03:29 pm

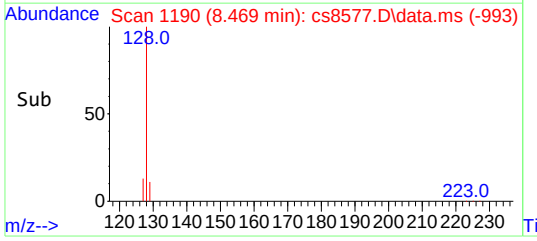
Tgt Ion: 94 Resp: 664747

Ion	Ratio	Lower	Upper
94	100		
65	19.5	17.0	25.4
66	29.9	24.6	37.0





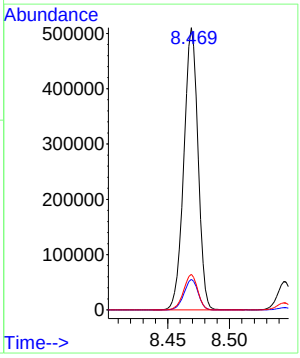


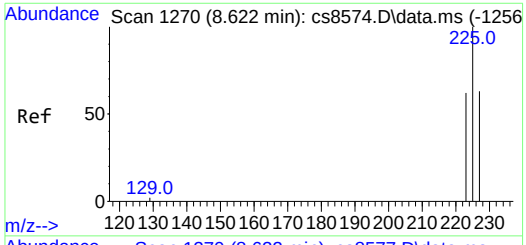


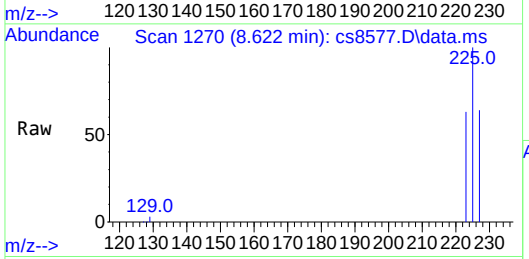
#7
Naphthalene
Concen: 1911.17 ppb
RT: 8.469 min Scan# 1190
Delta R.T. 0.002 min
Lab File: cs8577.D
Acq: 17 Sep 2025 03:29 pm

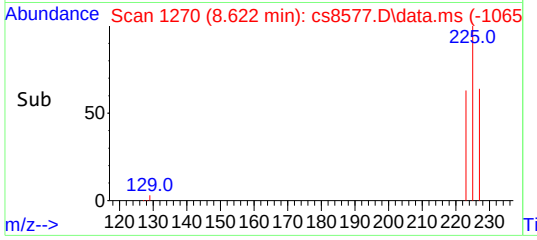
Tgt Ion:128 Resp: 405696

Ion	Ratio	Lower	Upper
128	100		
129	10.8	0.0	40.8
127	12.6	0.0	42.4





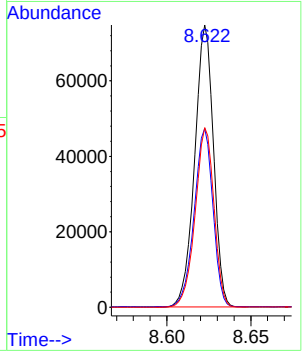




#8
Hexachlorobutadiene
Concen: 1883.21 ppb
RT: 8.622 min Scan# 1270
Delta R.T. -0.000 min
Lab File: cs8577.D
Acq: 17 Sep 2025 03:29 pm

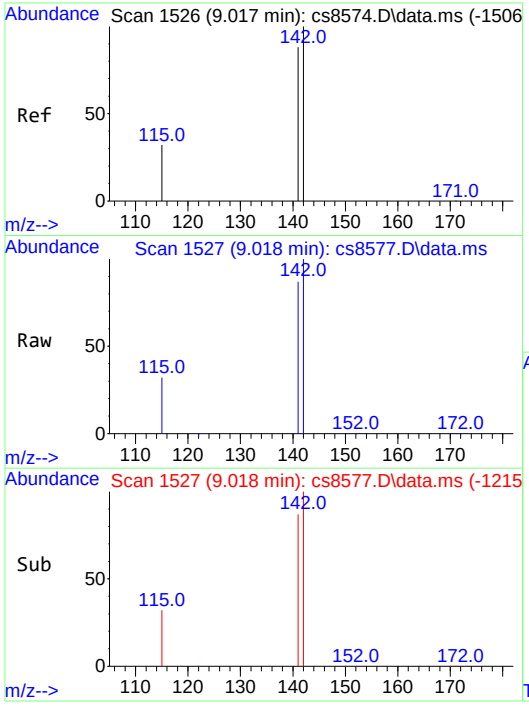
Tgt Ion:225 Resp: 58487

Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.8	91.8
227	63.7	32.6	92.6



9.5.24

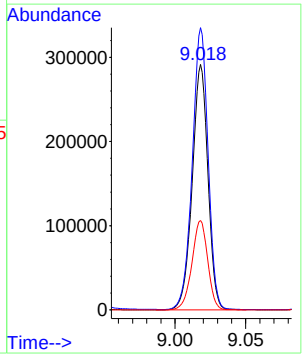
9

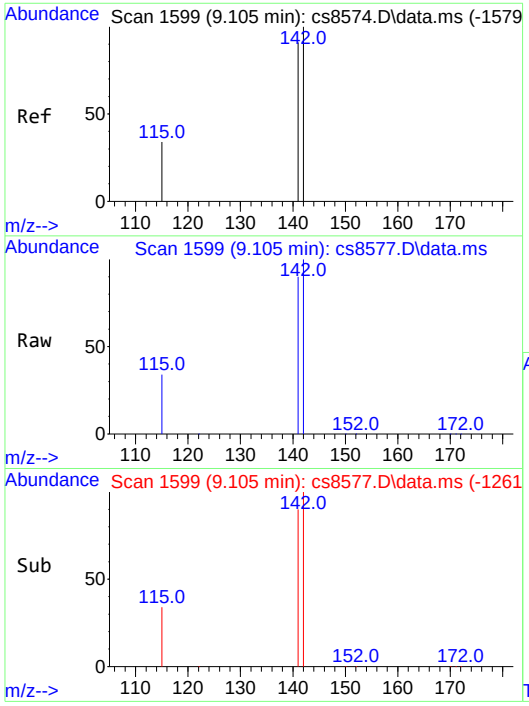


#9
2-Methylnaphthalene
Concen: 1919.72 ppb
RT: 9.018 min Scan# 1527
Delta R.T. 0.001 min
Lab File: cs8577.D
Acq: 17 Sep 2025 03:29 pm

Tgt Ion:141 Resp: 225567

Ion	Ratio	Lower	Upper
141	100		
142	114.9	83.1	143.1
115	36.4	5.8	65.8

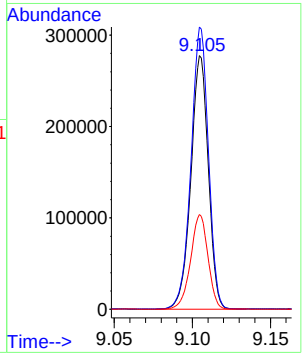




#10
1-Methylnaphthalene
Concen: 1901.12 ppb
RT: 9.105 min Scan# 1599
Delta R.T. -0.000 min
Lab File: cs8577.D
Acq: 17 Sep 2025 03:29 pm

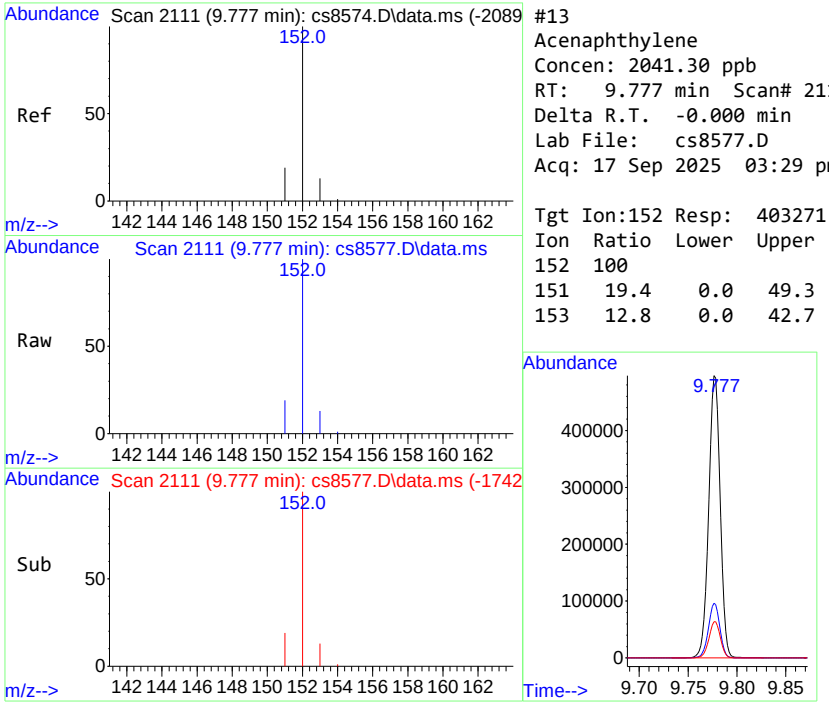
Tgt Ion:141 Resp: 215048

Ion	Ratio	Lower	Upper
141	100		
142	111.3	80.8	140.8
115	37.3	7.2	67.2



9.5.24

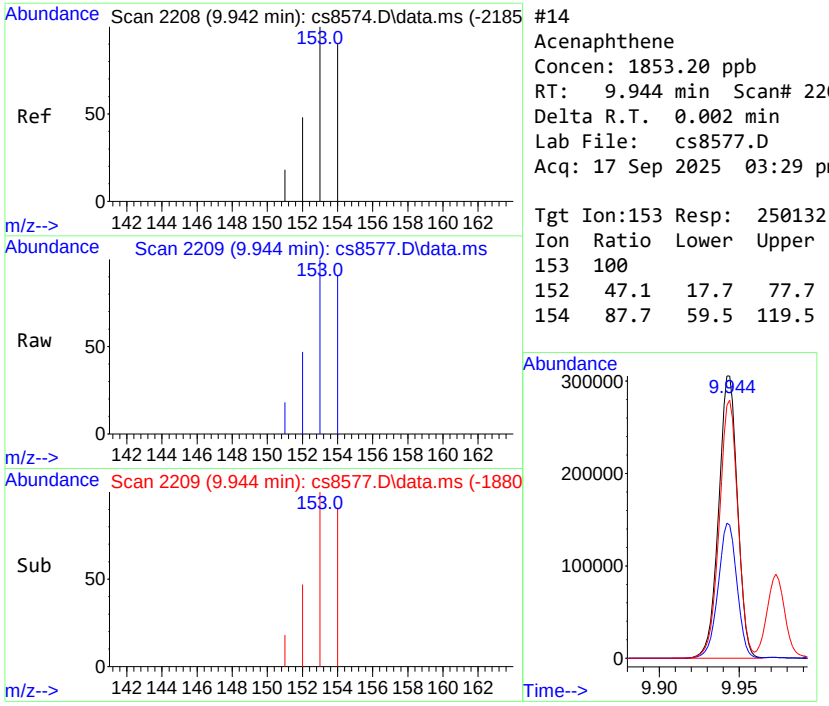
9



#13
Acenaphthylene
Concen: 2041.30 ppb
RT: 9.777 min Scan# 2111
Delta R.T. -0.000 min
Lab File: cs8577.D
Acq: 17 Sep 2025 03:29 pm

Tgt Ion:152 Resp: 403271

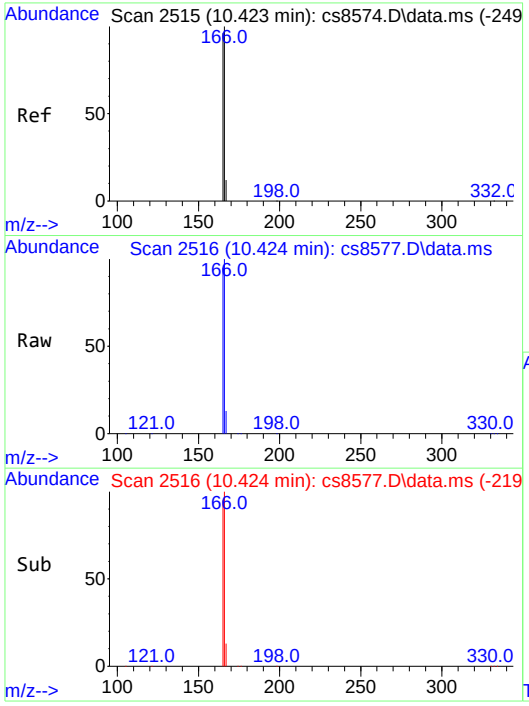
Ion	Ratio	Lower	Upper
152	100		
151	19.4	0.0	49.3
153	12.8	0.0	42.7



#14
Acenaphthene
Concen: 1853.20 ppb
RT: 9.944 min Scan# 2209
Delta R.T. 0.002 min
Lab File: cs8577.D
Acq: 17 Sep 2025 03:29 pm

Tgt Ion:153 Resp: 250132

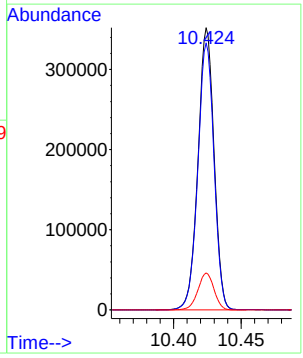
Ion	Ratio	Lower	Upper
153	100		
152	47.1	17.7	77.7
154	87.7	59.5	119.5

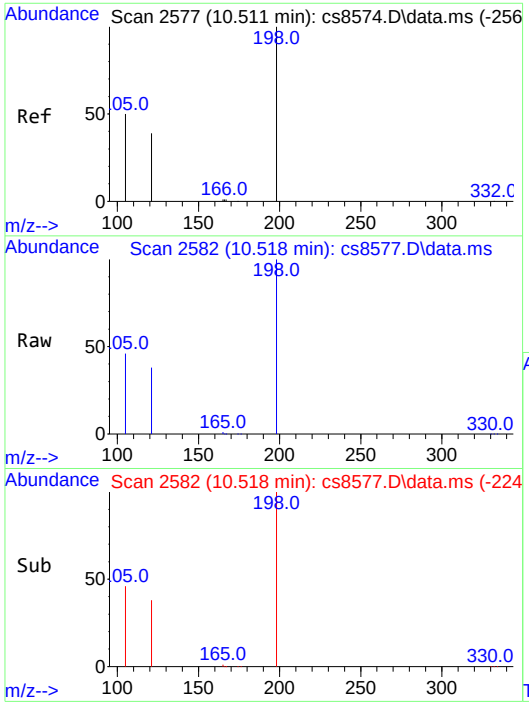


#15
Fluorene
Concen: 1913.08 ppb
RT: 10.424 min Scan# 2516
Delta R.T. 0.001 min
Lab File: cs8577.D
Acq: 17 Sep 2025 03:29 pm

Tgt Ion:166 Resp: 291682

Ion	Ratio	Lower	Upper
166	100		
165	94.6	65.7	125.7
167	13.1	0.0	42.4

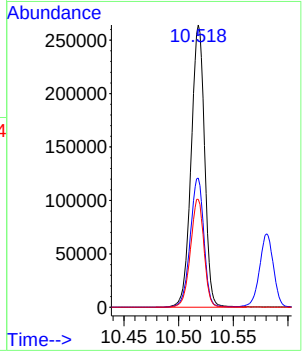


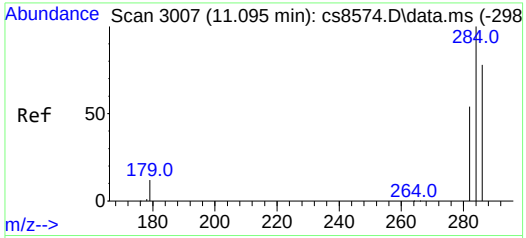


#16
4,6-dinitro-2-methylphenol
Concen: 16549.92 ppb
RT: 10.518 min Scan# 2582
Delta R.T. 0.007 min
Lab File: cs8577.D
Acq: 17 Sep 2025 03:29 pm

Tgt Ion:198 Resp: 225979

Ion	Ratio	Lower	Upper
198	100		
105	45.4	29.9	69.9
121	38.2	19.3	59.3

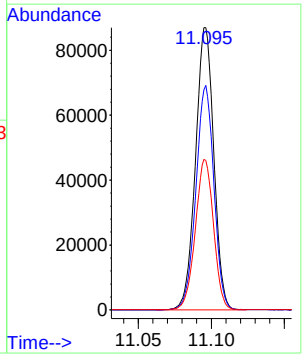


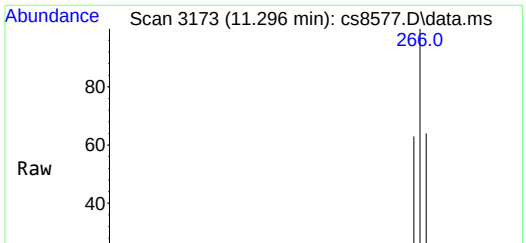


#19
Hexachlorobenzene
Concen: 1977.49 ppb
RT: 11.095 min Scan# 3007
Delta R.T. -0.000 min
Lab File: cs8577.D
Acq: 17 Sep 2025 03:29 pm

Tgt Ion:284 Resp: 75614

Ion	Ratio	Lower	Upper
284	100		
286	77.9	48.0	108.0
282	53.3	23.8	83.8

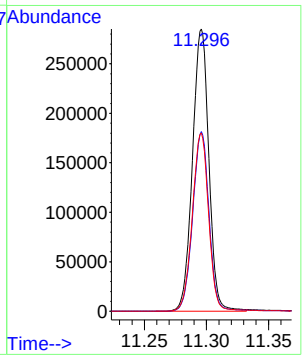




#20
Pentachlorophenol
Concen: 13372.96 ppb
RT: 11.296 min Scan# 3173
Delta R.T. 0.002 min
Lab File: cs8577.D
Acq: 17 Sep 2025 03:29 pm

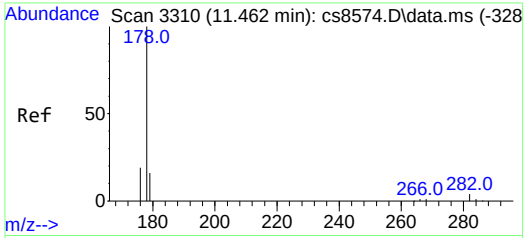
Tgt Ion:266 Resp: 261670

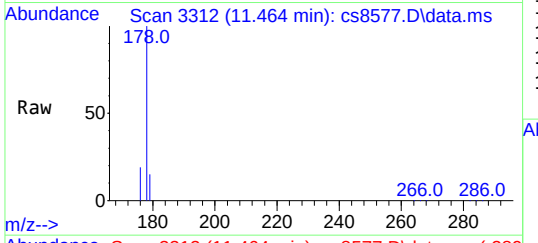
Ion	Ratio	Lower	Upper
266	100		
268	63.3	43.1	83.1
264	63.2	43.0	83.0

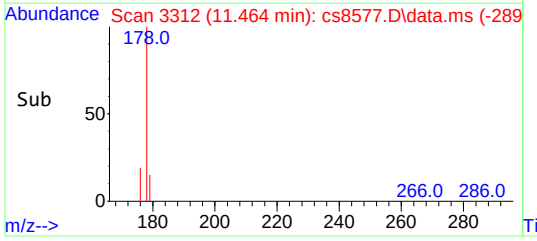


9.5.24

9



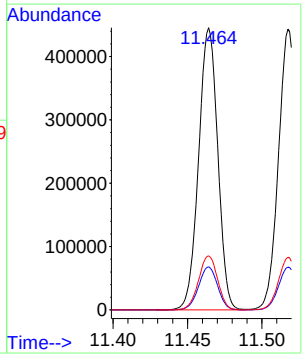


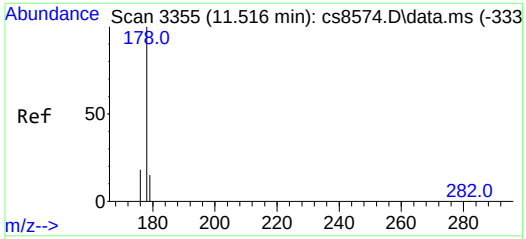


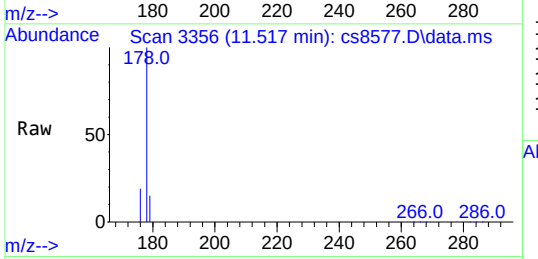
#21
Phenanthrene
Concen: 1940.06 ppb
RT: 11.464 min Scan# 3312
Delta R.T. 0.002 min
Lab File: cs8577.D
Acq: 17 Sep 2025 03:29 pm

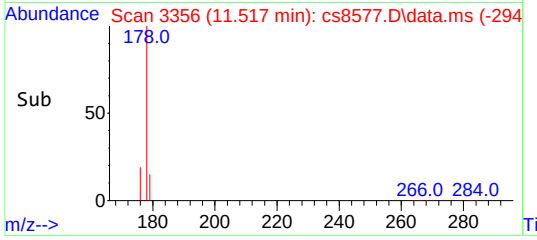
Tgt Ion:178 Resp: 397782

Ion	Ratio	Lower	Upper
178	100		
179	15.3	0.0	45.7
176	19.2	0.0	49.2





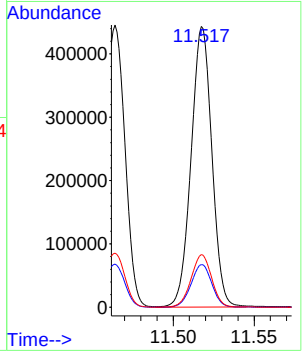


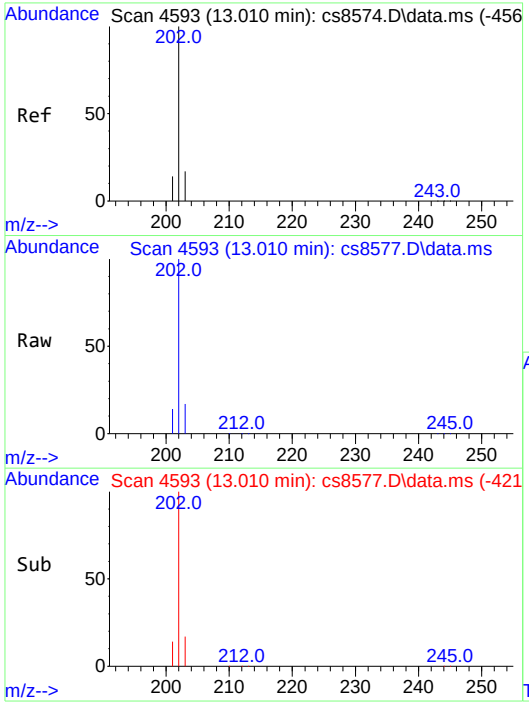


#22
Anthracene
Concen: 2029.01 ppb
RT: 11.517 min Scan# 3356
Delta R.T. 0.001 min
Lab File: cs8577.D
Acq: 17 Sep 2025 03:29 pm

Tgt Ion:178 Resp: 394237

Ion	Ratio	Lower	Upper
178	100		
179	15.2	0.0	45.2
176	18.7	0.0	48.4

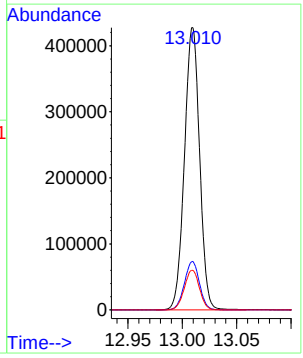


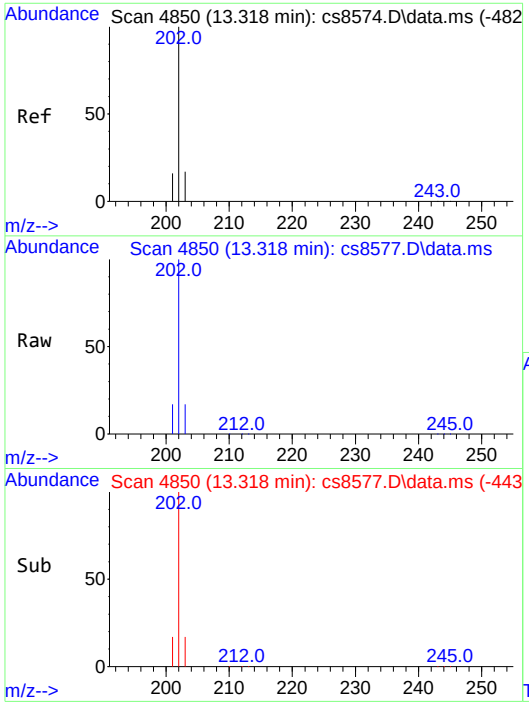


#23
Fluoranthene
Concen: 1925.77 ppb
RT: 13.010 min Scan# 4593
Delta R.T. -0.000 min
Lab File: cs8577.D
Acq: 17 Sep 2025 03:29 pm

Tgt Ion:202 Resp: 413370

Ion	Ratio	Lower	Upper
202	100		
203	17.2	0.0	47.2
201	14.0	0.0	44.0

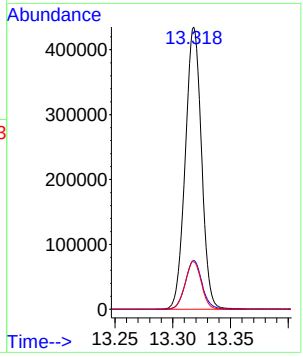


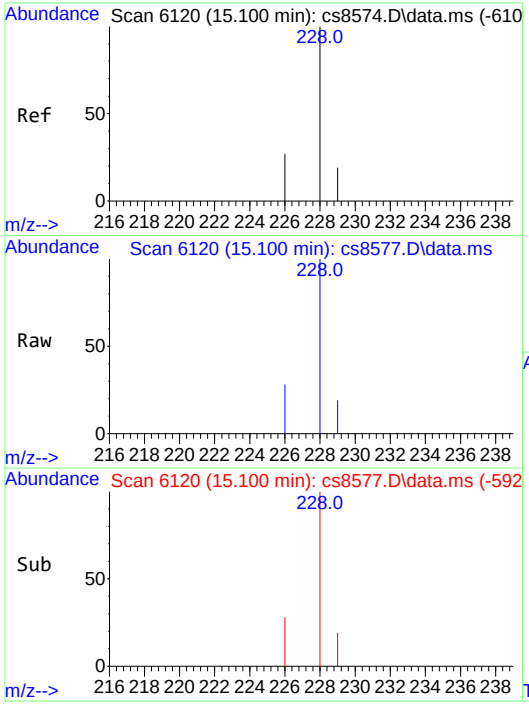


#24
Pyrene
Concen: 1940.46 ppb
RT: 13.318 min Scan# 4850
Delta R.T. -0.000 min
Lab File: cs8577.D
Acq: 17 Sep 2025 03:29 pm

Tgt Ion:202 Resp: 423178

Ion	Ratio	Lower	Upper
202	100		
203	17.3	0.0	47.1
201	16.8	0.0	46.4

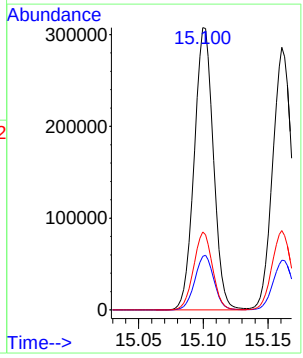


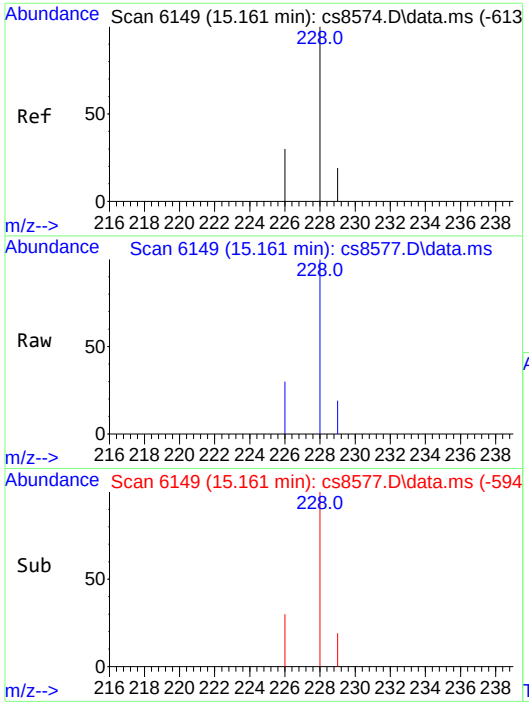


#26
Benzo[a]anthracene
Concen: 1988.99 ppb
RT: 15.100 min Scan# 6120
Delta R.T. -0.000 min
Lab File: cs8577.D
Acq: 17 Sep 2025 03:29 pm

Tgt Ion:228 Resp: 316299

Ion	Ratio	Lower	Upper
228	100		
229	19.0	0.0	49.1
226	27.6	0.0	57.0

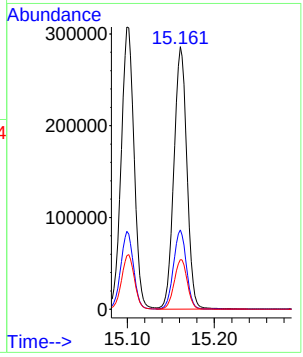


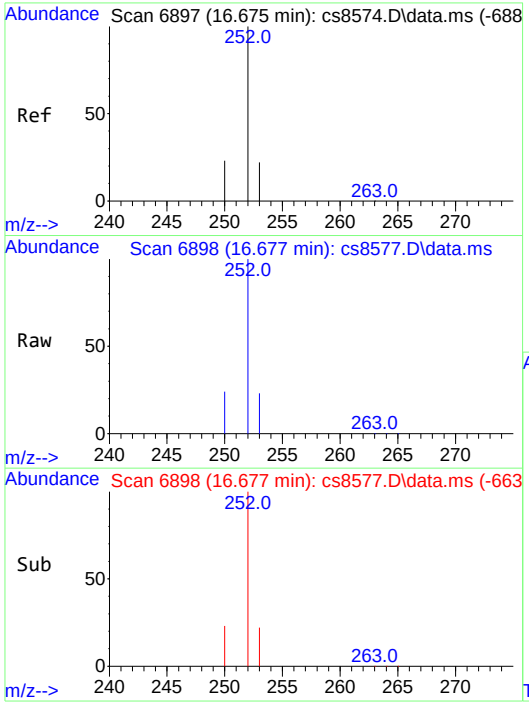


#27
Chrysene
Concen: 1847.75 ppb
RT: 15.161 min Scan# 6149
Delta R.T. -0.000 min
Lab File: cs8577.D
Acq: 17 Sep 2025 03:29 pm

Tgt Ion:228 Resp: 295788

Ion	Ratio	Lower	Upper
228	100		
226	30.2	0.0	59.6
229	18.9	0.0	49.1

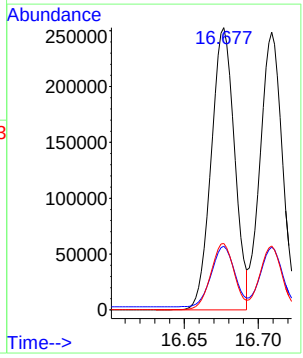


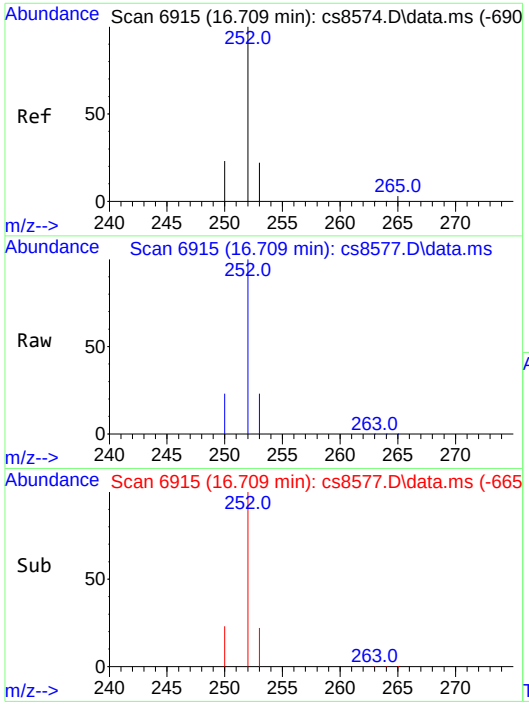


#29
Benzo[b]fluoranthene
Concen: 1955.42 ppb
RT: 16.677 min Scan# 6898
Delta R.T. 0.002 min
Lab File: cs8577.D
Acq: 17 Sep 2025 03:29 pm

Tgt Ion:252 Resp: 274888

Ion	Ratio	Lower	Upper
252	100		
253	21.4	0.0	51.5
250	23.5	0.0	53.4

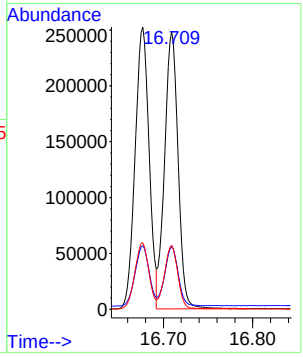


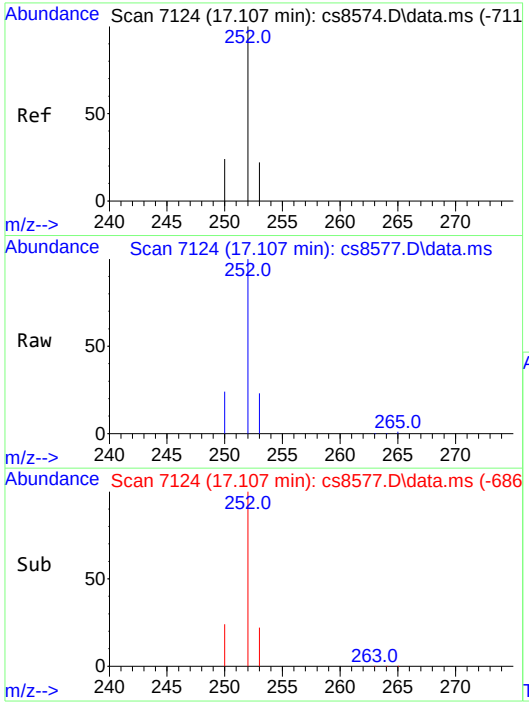


#30
Benzo[k]fluoranthene
Concen: 1916.40 ppb
RT: 16.709 min Scan# 6915
Delta R.T. -0.000 min
Lab File: cs8577.D
Acq: 17 Sep 2025 03:29 pm

Tgt Ion:252 Resp: 261573

Ion	Ratio	Lower	Upper
252	100		
253	21.5	0.0	51.3
250	22.9	0.0	53.2

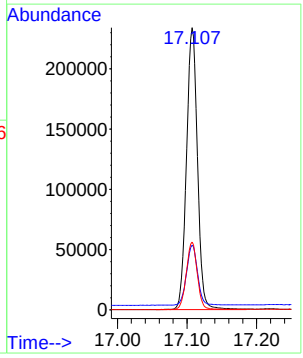


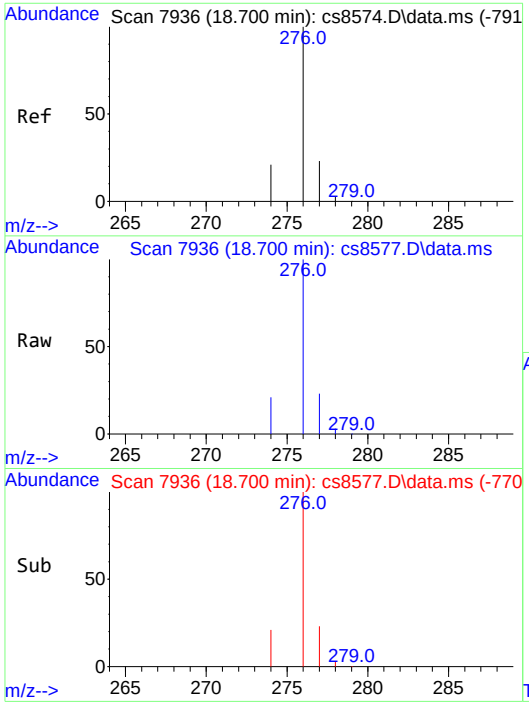


#31
Benzo[a]pyrene
Concen: 1974.82 ppb
RT: 17.107 min Scan# 7124
Delta R.T. -0.000 min
Lab File: cs8577.D
Acq: 17 Sep 2025 03:29 pm

Tgt Ion:252 Resp: 256016

Ion	Ratio	Lower	Upper
252	100		
253	21.3	0.0	51.3
250	23.9	0.0	53.7

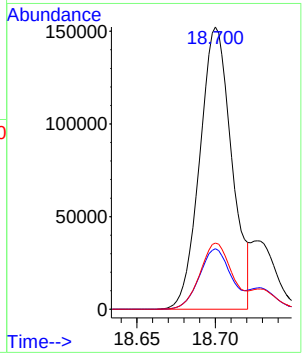


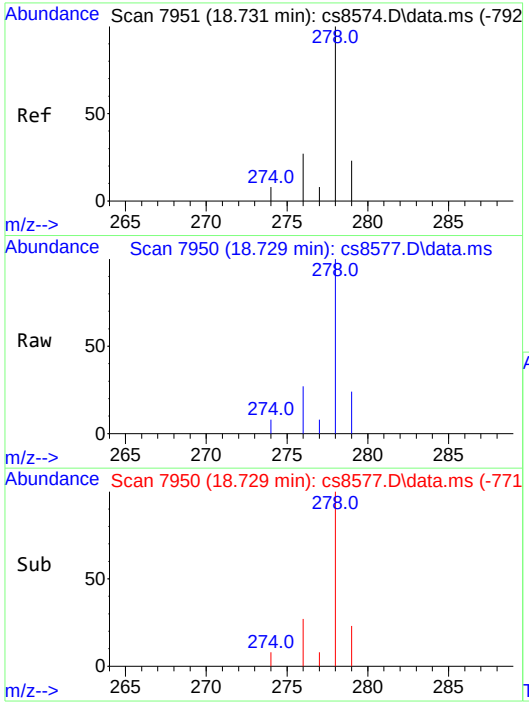


#32
Indeno[1,2,3-cd]pyrene
Concen: 2037.43 ppb m
RT: 18.700 min Scan# 7936
Delta R.T. -0.000 min
Lab File: cs8577.D
Acq: 17 Sep 2025 03:29 pm

Tgt Ion:276 Resp: 215645

Ion	Ratio	Lower	Upper
276	100		
274	21.5	0.0	50.4
277	23.4	0.0	52.4

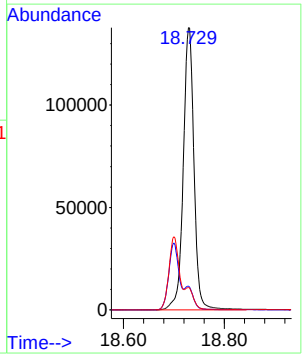


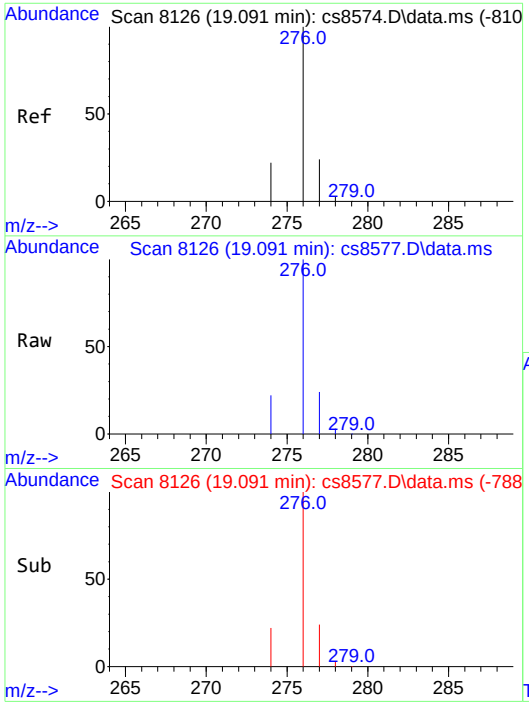


#33
Dibenz[a,h]anthracene
Concen: 2024.21 ppb
RT: 18.729 min Scan# 7950
Delta R.T. -0.002 min
Lab File: cs8577.D
Acq: 17 Sep 2025 03:29 pm

Tgt Ion:278 Resp: 202717

Ion	Ratio	Lower	Upper
278	100		
274	8.4	0.0	38.4
277	7.9	0.0	37.8

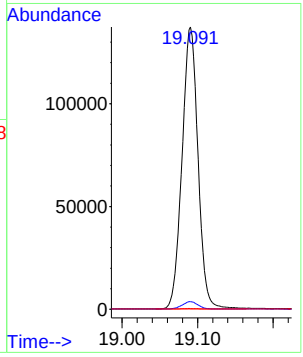




#34
Benzo[g,h,i]perylene
Concen: 1962.65 ppb
RT: 19.091 min Scan# 8126
Delta R.T. -0.000 min
Lab File: cs8577.D
Acq: 17 Sep 2025 03:29 pm

Tgt Ion:276 Resp: 201983

Ion	Ratio	Lower	Upper
276	100		
278	2.6	0.0	32.6
279	0.2	0.0	30.2



Manual Integration Approval Summary

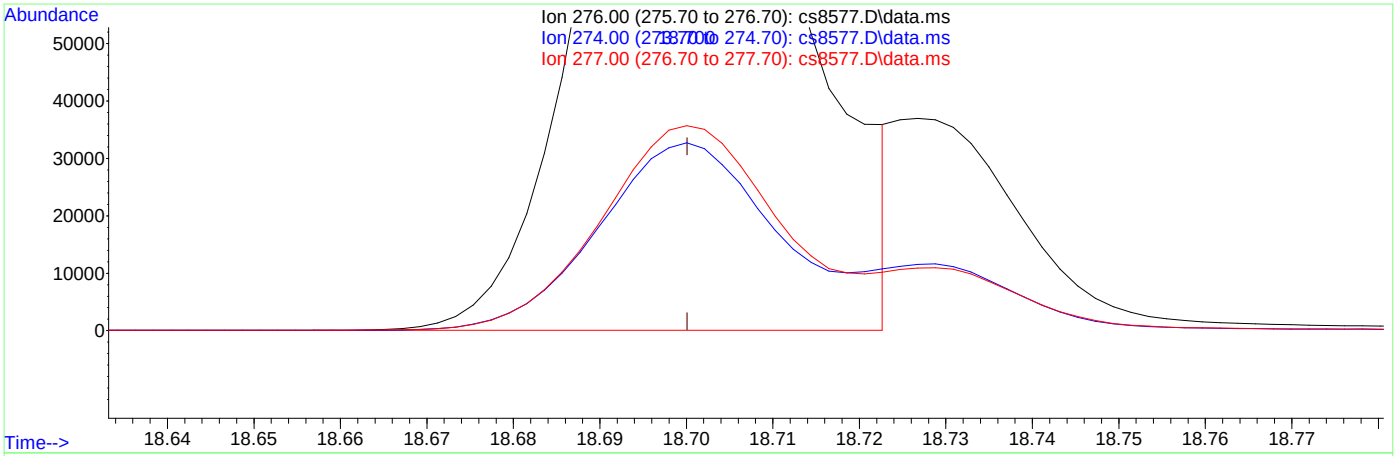
Sample Number: ECS446-IC446
Lab FileID: CS8577.D
Injection Time: 09/17/25 15:29
Method: SW846 8270E BY SIM
Analyst approved: 09/17/25 18:29 Rocquan Salters
Supervisor approved: 09/18/25 10:52 Ying Li

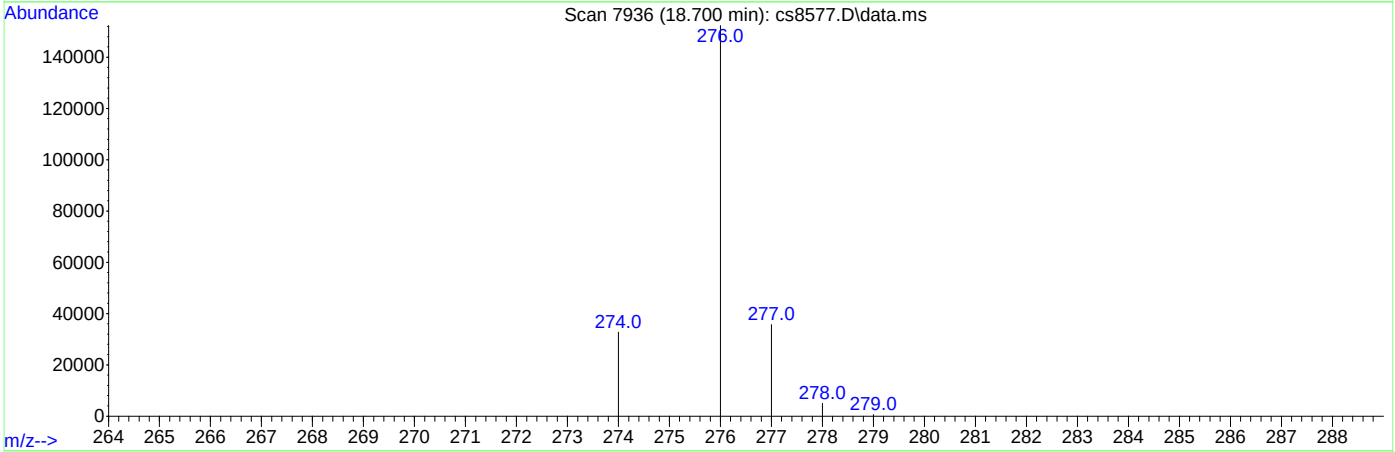
Parameter	CAS	Sig#	R.T. (min.)	Reason
Indeno(1,2,3-cd)pyrene	193-39-5		18.70	Baseline ripple

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8577.D
Acq On : 17 Sep 2025 03:29 pm
Operator : rocquans
Sample : ic446-2
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 51 Sample Multiplier: 1

Quant Time: Sep 17 16:38:41 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration





TIC: cs8577.D\data.ms

(32) Indeno[1,2,3-cd]pyrene (t)

18.700min (-0.000) 2076.68ppb

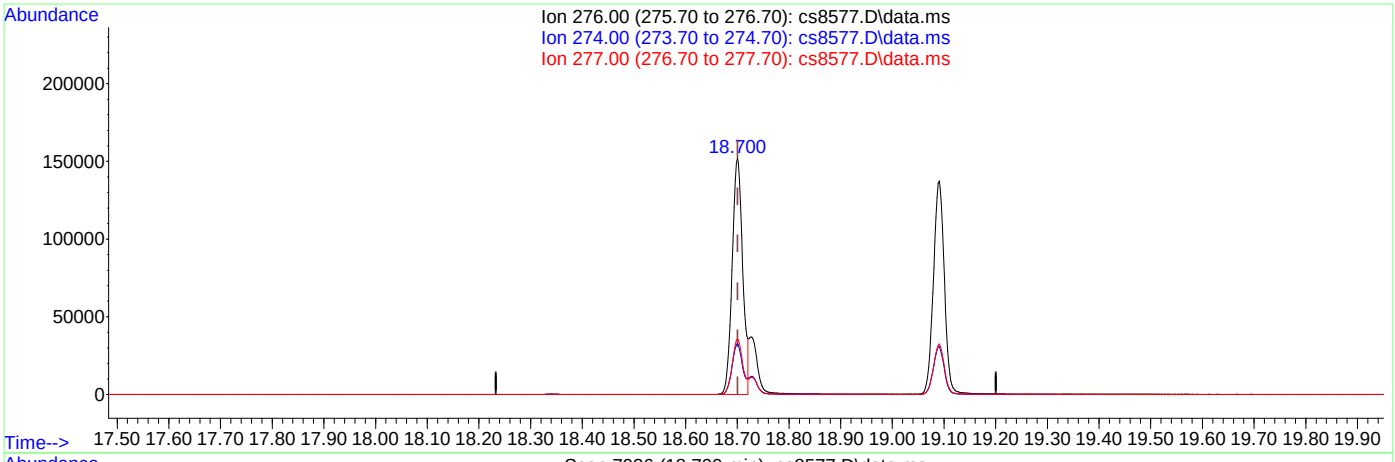
response 219800

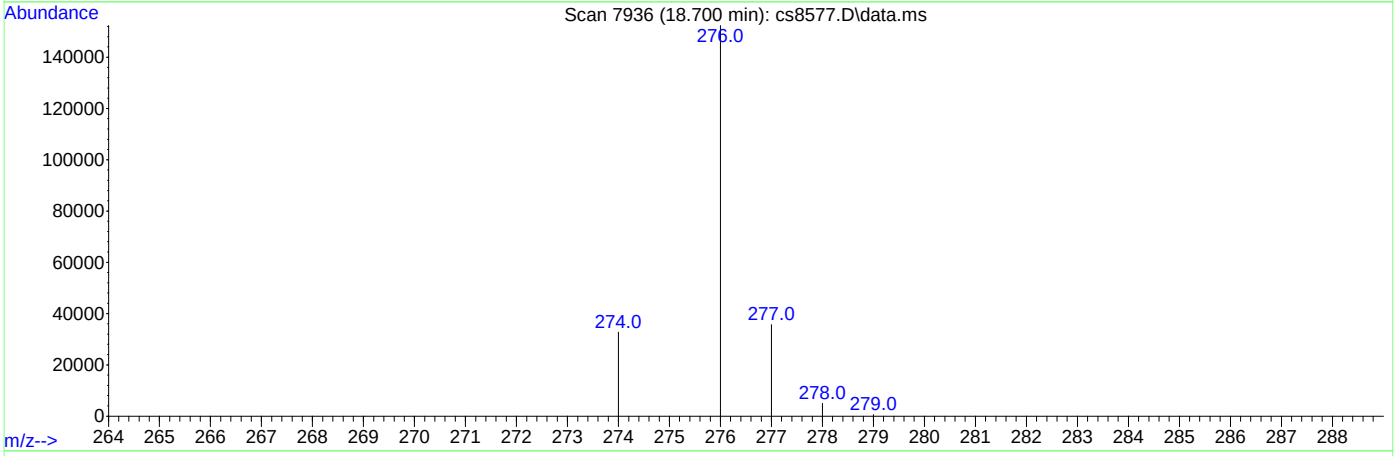
Ion	Exp%	Act%
276.00	100	100
274.00	20.40	20.33
277.00	22.40	22.75
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8577.D
Acq On : 17 Sep 2025 03:29 pm
Operator : rocquans
Sample : ic446-2
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 51 Sample Multiplier: 1

Quant Time: Sep 17 16:38:41 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 16:14:29 2025
Response via : Initial Calibration





TIC: cs8577.D\data.ms

(32) Indeno[1,2,3-cd]pyrene (t)

18.700min (-0.000) 2037.43ppb m

response 215645

Ion	Exp%	Act%
276.00	100	100
274.00	20.40	21.48
277.00	22.40	23.44
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8578.D
Acq On : 17 Sep 2025 03:56 pm
Operator : rocquans
Sample : icv446-0.2
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 17 17:28:32 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 17:26:33 2025
Response via : Initial Calibration

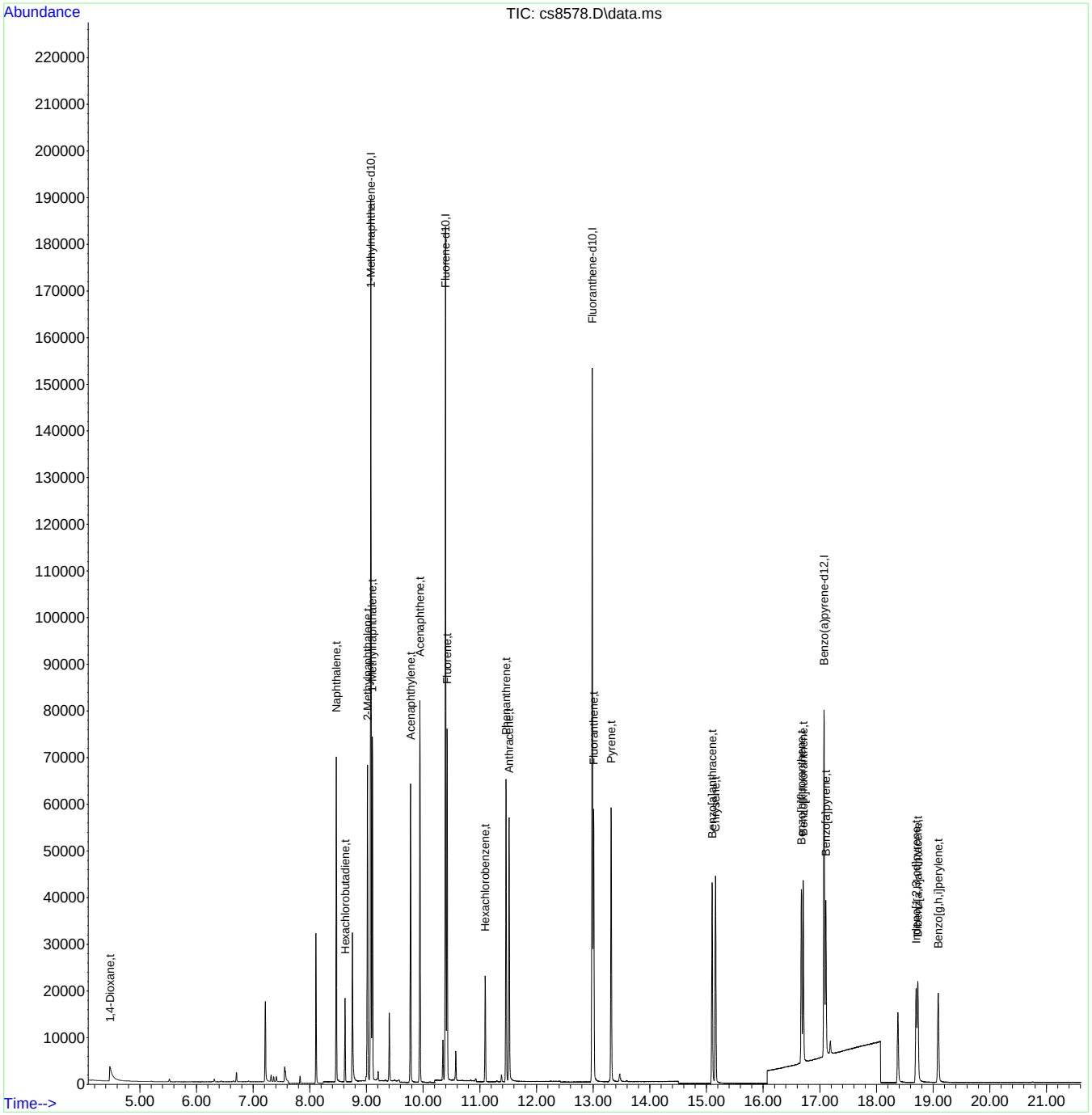
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	9.077	150	58487	800.00	ppb	0.00
11) Fluorene-d10	10.394	176	75874	800.00	ppb	0.00
18) Fluoranthene-d10	12.983	212	113938	800.00	ppb	0.00
28) Benzo(a)pyrene-d12	17.075	264	62103	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	0.000	112	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
4) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
6) Nitrobenzene-d5	0.000	82	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
12) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
17) 2,4,6-Tribromophenol	0.000	330	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
25) Terphenyl-d14	0.000	244	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	4.474	88	5213	201.48	ppb	97
7) Naphthalene	8.467	128	43801	208.64	ppb	100
8) Hexachlorobutadiene	8.622	225	6249	203.27	ppb	99
9) 2-Methylnaphthalene	9.017	141	21257	182.33	ppb	98
10) 1-Methylnaphthalene	9.105	141	23089	208.14	ppb	99
13) Acenaphthylene	9.777	152	39616	213.62	ppb	99
14) Acenaphthene	9.942	153	25986	201.38	ppb	99
15) Fluorene	10.423	166	29577	200.78	ppb	98
19) Hexachlorobenzene	11.095	284	8047	207.05	ppb	99
21) Phenanthrene	11.463	178	42229	208.97	ppb	99
22) Anthracene	11.516	178	38960	209.08	ppb	99
23) Fluoranthene	13.009	202	42873	202.11	ppb	100
24) Pyrene	13.317	202	42989	199.47	ppb	99
26) Benzo[a]anthracene	15.100	228	31019	199.33	ppb	99
27) Chrysene	15.159	228	31165	201.76	ppb	99
29) Benzo[b]fluoranthene	16.675	252	27193	200.37	ppb	100
30) Benzo[k]fluoranthene	16.707	252	28551	225.60	ppb	97
31) Benzo[a]pyrene	17.105	252	25197	200.22	ppb	99
32) Indeno[1,2,3-cd]pyrene	18.700	276	20257	204.08	ppb	100
33) Dibenz[a,h]anthracene	18.729	278	19392	208.39	ppb	99
34) Benzo[g,h,i]perylene	19.089	276	19763	199.72	ppb	100

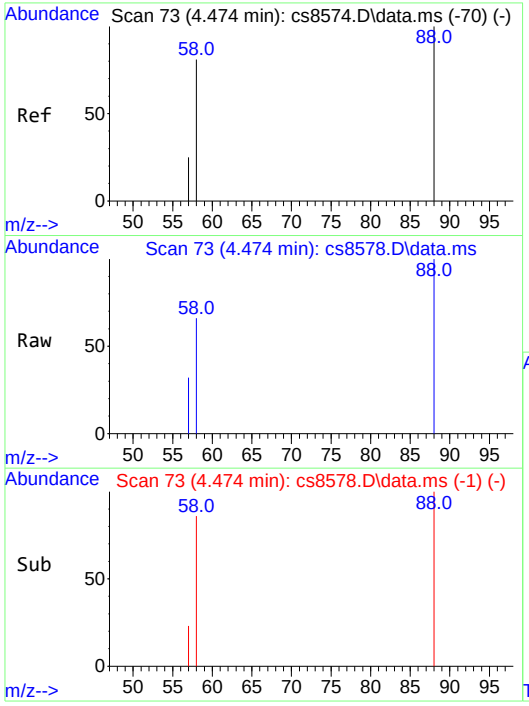
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8578.D
Acq On : 17 Sep 2025 03:56 pm
Operator : rocquans
Sample : icv446-0.2
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 17 17:28:32 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 17:26:33 2025
Response via : Initial Calibration

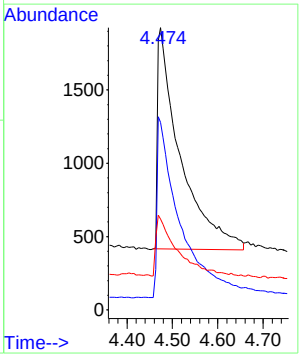


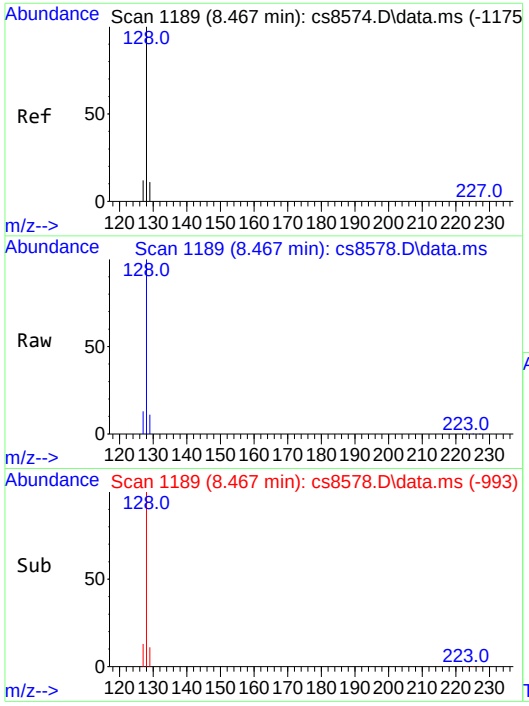


#2
1,4-Dioxane
Concen: 201.48 ppb
RT: 4.474 min Scan# 73
Delta R.T. -0.000 min
Lab File: cs8578.D
Acq: 17 Sep 2025 03:56 pm

Tgt Ion: 88 Resp: 5213

Ion	Ratio	Lower	Upper
88	100		
58	78.0	61.3	101.3
57	26.0	5.8	45.8

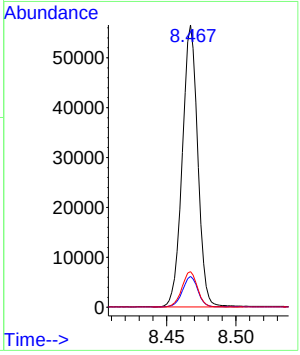


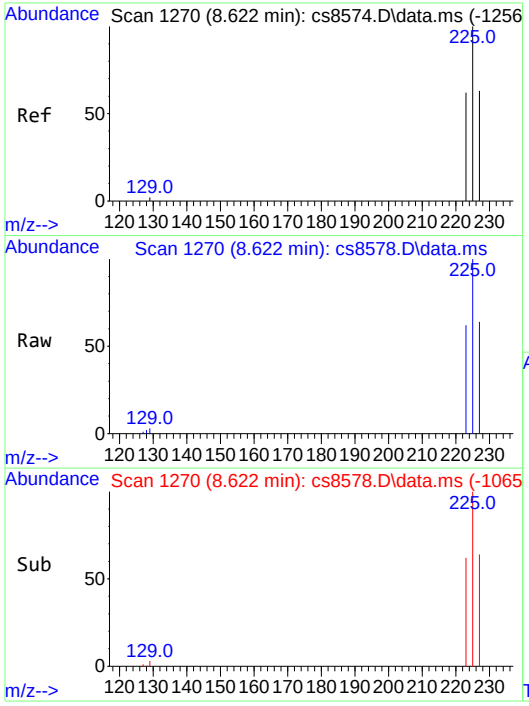


#7
Naphthalene
Concen: 208.64 ppb
RT: 8.467 min Scan# 1189
Delta R.T. 0.000 min
Lab File: cs8578.D
Acq: 17 Sep 2025 03:56 pm

Tgt Ion:128 Resp: 43801

Ion	Ratio	Lower	Upper
128	100		
129	10.8	0.0	40.8
127	12.5	0.0	42.4

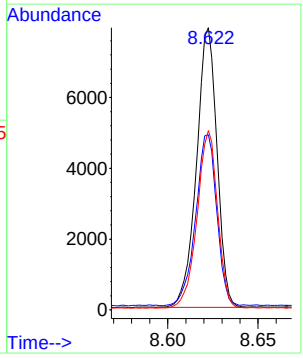


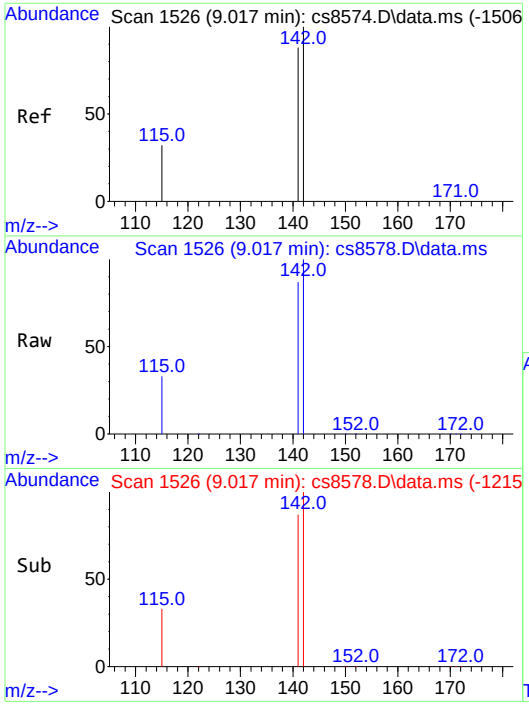


#8
Hexachlorobutadiene
Concen: 203.27 ppb
RT: 8.622 min Scan# 1270
Delta R.T. 0.000 min
Lab File: cs8578.D
Acq: 17 Sep 2025 03:56 pm

Tgt Ion:225 Resp: 6249

Ion	Ratio	Lower	Upper
225	100		
223	60.9	31.8	91.8
227	63.5	32.6	92.6

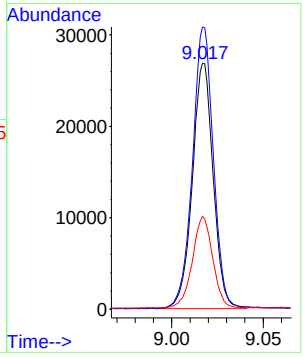


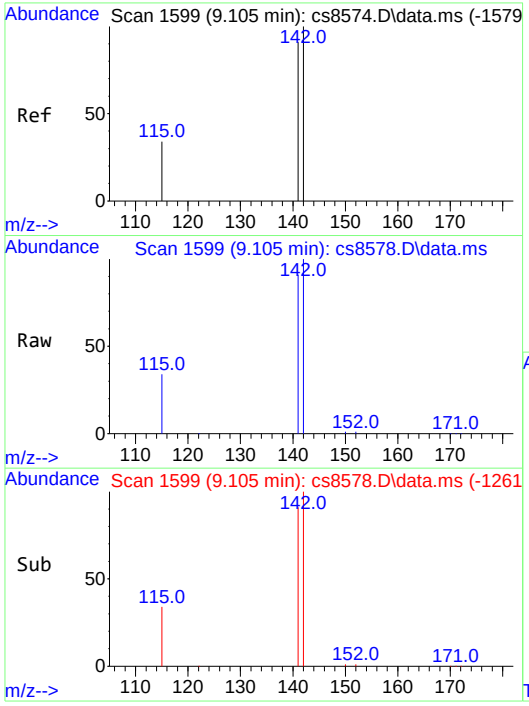


#9
2-Methylnaphthalene
Concen: 182.33 ppb
RT: 9.017 min Scan# 1526
Delta R.T. -0.000 min
Lab File: cs8578.D
Acq: 17 Sep 2025 03:56 pm

Tgt Ion:141 Resp: 21257

Ion	Ratio	Lower	Upper
141	100		
142	114.8	83.1	143.1
115	37.4	5.8	65.8

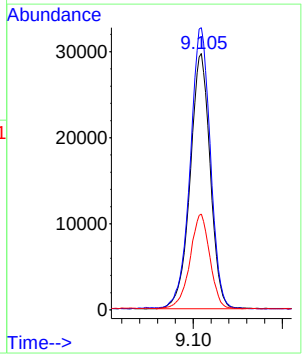


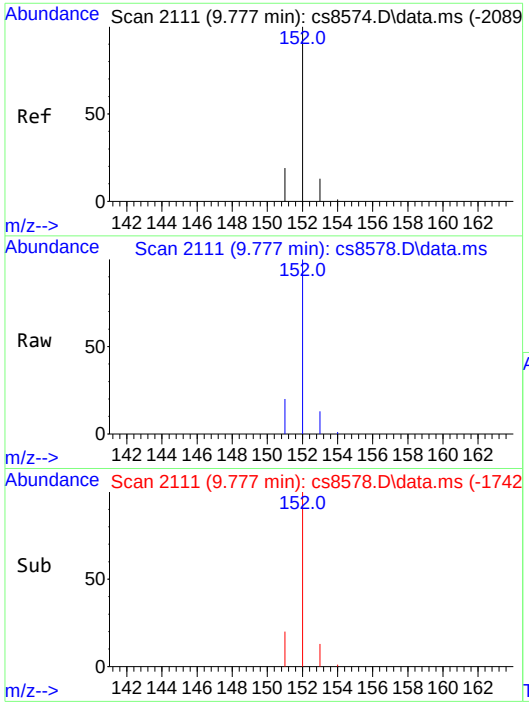


#10
1-Methylnaphthalene
Concen: 208.14 ppb
RT: 9.105 min Scan# 1599
Delta R.T. -0.000 min
Lab File: cs8578.D
Acq: 17 Sep 2025 03:56 pm

Tgt Ion:141 Resp: 23089

Ion	Ratio	Lower	Upper
141	100		
142	110.0	80.8	140.8
115	37.0	7.2	67.2

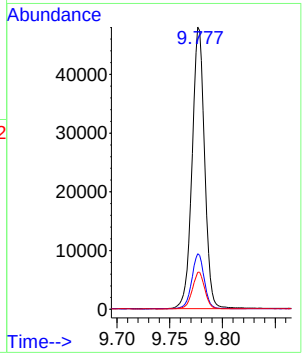


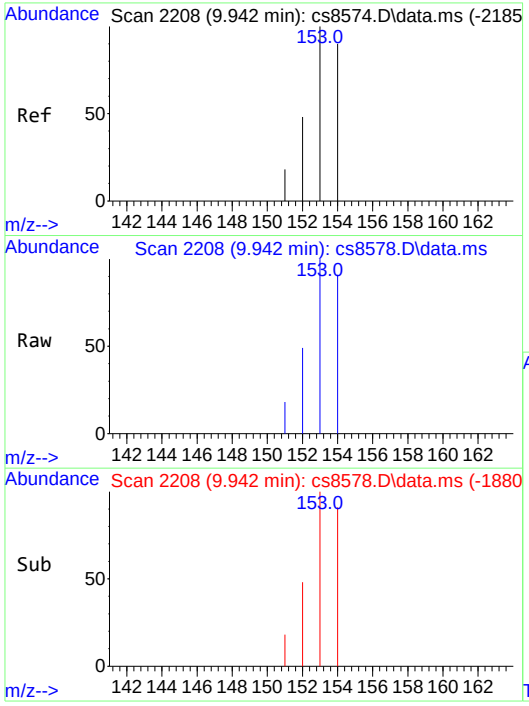


#13
Acenaphthylene
Concen: 213.62 ppb
RT: 9.777 min Scan# 2111
Delta R.T. -0.000 min
Lab File: cs8578.D
Acq: 17 Sep 2025 03:56 pm

Tgt Ion:152 Resp: 39616

Ion	Ratio	Lower	Upper
152	100		
151	19.5	0.0	49.3
153	13.0	0.0	42.7

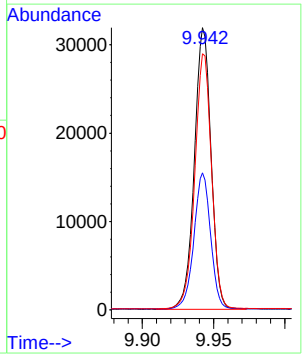


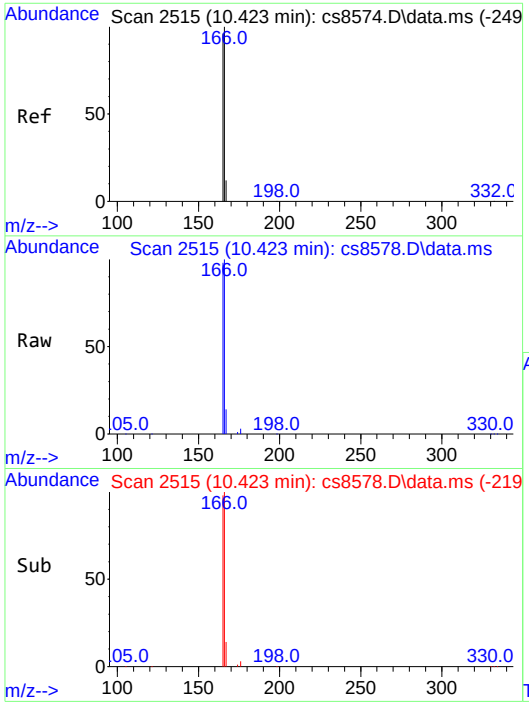


#14
Acenaphthene
Concen: 201.38 ppb
RT: 9.942 min Scan# 2208
Delta R.T. 0.000 min
Lab File: cs8578.D
Acq: 17 Sep 2025 03:56 pm

Tgt Ion:153 Resp: 25986

Ion	Ratio	Lower	Upper
153	100		
152	48.3	17.7	77.7
154	90.5	59.5	119.5

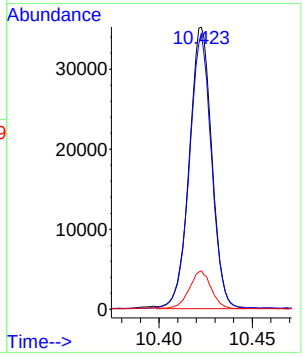


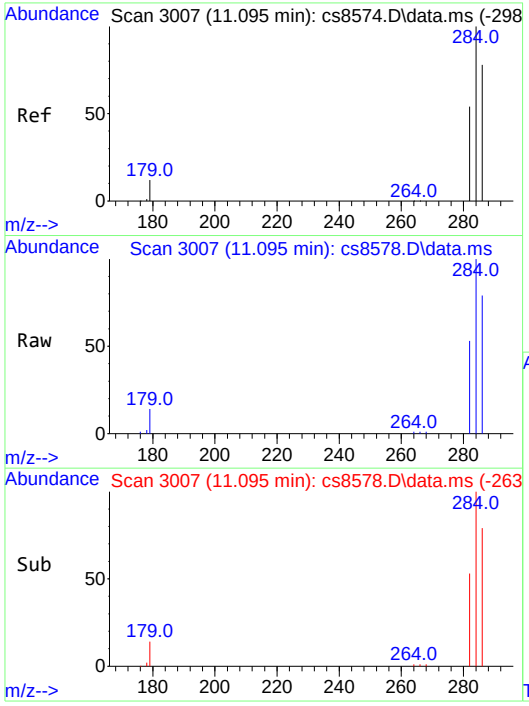


#15
Fluorene
Concen: 200.78 ppb
RT: 10.423 min Scan# 2515
Delta R.T. -0.000 min
Lab File: cs8578.D
Acq: 17 Sep 2025 03:56 pm

Tgt Ion:166 Resp: 29577

Ion	Ratio	Lower	Upper
166	100		
165	98.0	65.7	125.7
167	13.3	0.0	42.4

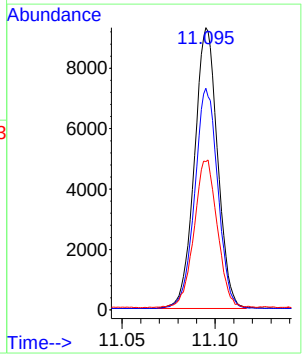


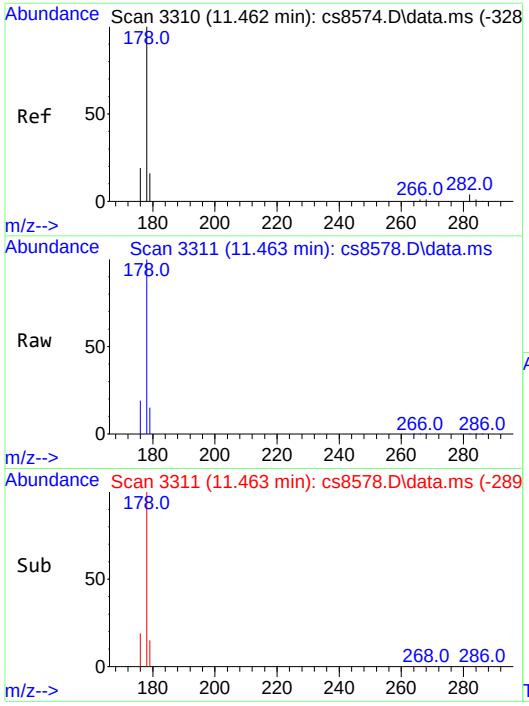


#19
Hexachlorobenzene
Concen: 207.05 ppb
RT: 11.095 min Scan# 3007
Delta R.T. 0.000 min
Lab File: cs8578.D
Acq: 17 Sep 2025 03:56 pm

Tgt Ion:284 Resp: 8047

Ion	Ratio	Lower	Upper
284	100		
286	78.4	48.0	108.0
282	51.8	23.8	83.8

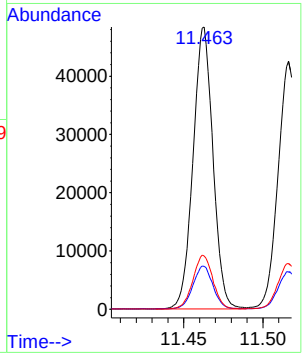


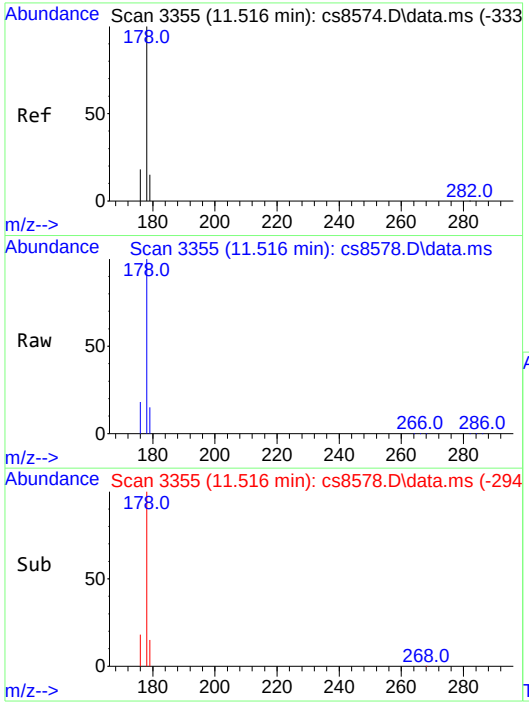


#21
Phenanthrene
Concen: 208.97 ppb
RT: 11.463 min Scan# 3311
Delta R.T. 0.001 min
Lab File: cs8578.D
Acq: 17 Sep 2025 03:56 pm

Tgt Ion:178 Resp: 42229

Ion	Ratio	Lower	Upper
178	100		
179	15.0	0.0	45.7
176	18.7	0.0	49.2

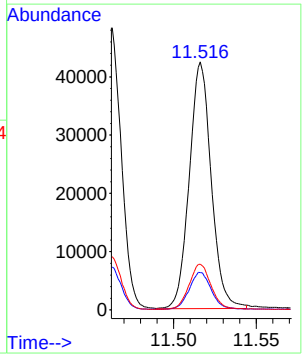


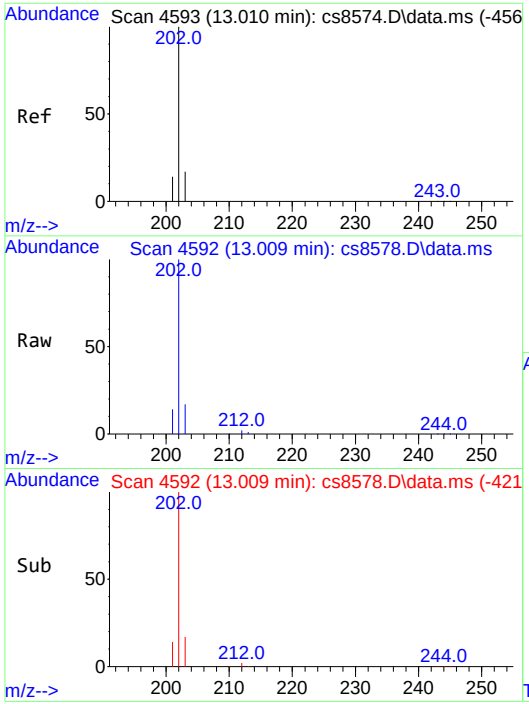


#22
Anthracene
Concen: 209.08 ppb
RT: 11.516 min Scan# 3355
Delta R.T. 0.000 min
Lab File: cs8578.D
Acq: 17 Sep 2025 03:56 pm

Tgt Ion:178 Resp: 38960

Ion	Ratio	Lower	Upper
178	100		
179	14.8	0.0	45.2
176	18.3	0.0	48.4

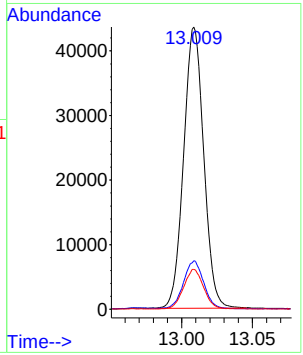


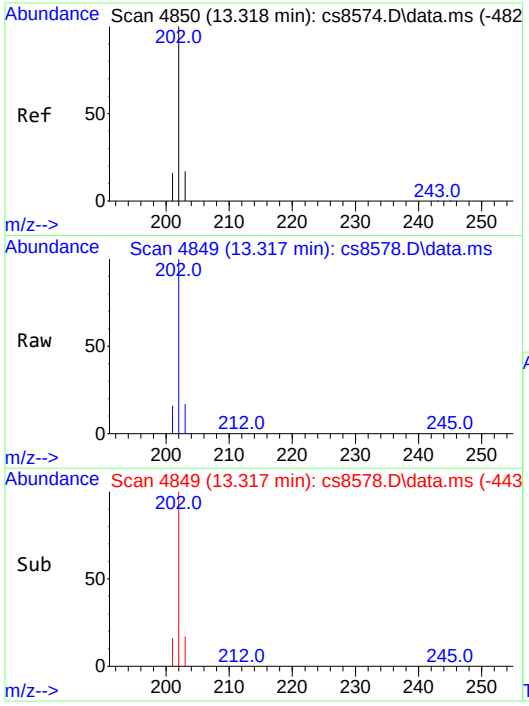


#23
Fluoranthene
Concen: 202.11 ppb
RT: 13.009 min Scan# 4592
Delta R.T. -0.002 min
Lab File: cs8578.D
Acq: 17 Sep 2025 03:56 pm

Tgt Ion:202 Resp: 42873

Ion	Ratio	Lower	Upper
202	100		
203	17.0	0.0	47.2
201	14.1	0.0	44.0

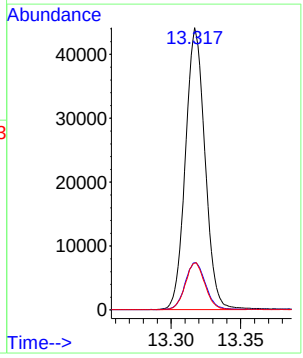


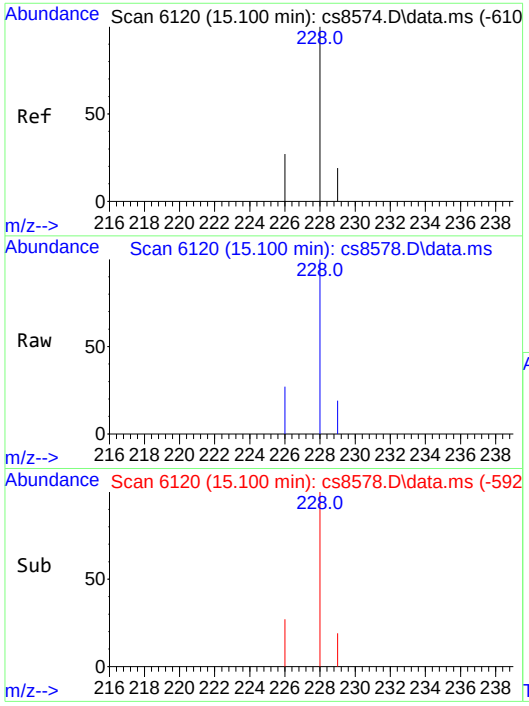


#24
Pyrene
Concen: 199.47 ppb
RT: 13.317 min Scan# 4849
Delta R.T. -0.001 min
Lab File: cs8578.D
Acq: 17 Sep 2025 03:56 pm

Tgt Ion:202 Resp: 42989

Ion	Ratio	Lower	Upper
202	100		
203	16.7	0.0	47.1
201	16.4	0.0	46.4

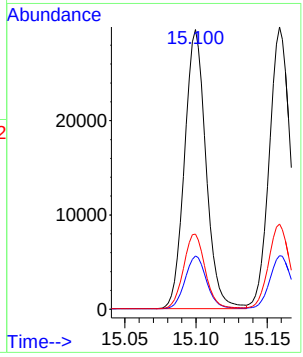


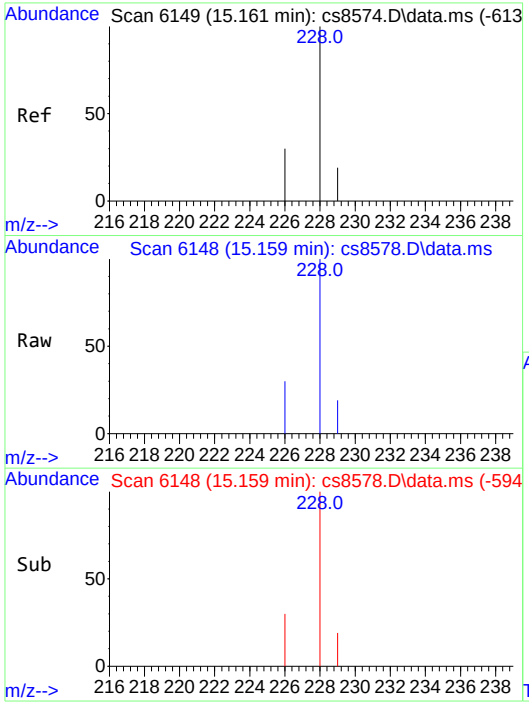


#26
Benzo[a]anthracene
Concen: 199.33 ppb
RT: 15.100 min Scan# 6120
Delta R.T. -0.000 min
Lab File: cs8578.D
Acq: 17 Sep 2025 03:56 pm

Tgt Ion:228 Resp: 31019

Ion	Ratio	Lower	Upper
228	100		
229	18.9	0.0	49.1
226	26.7	0.0	57.0

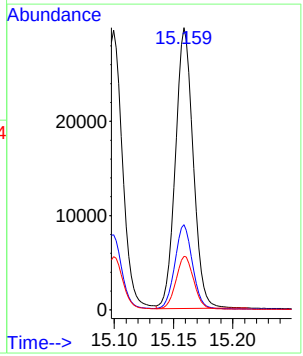


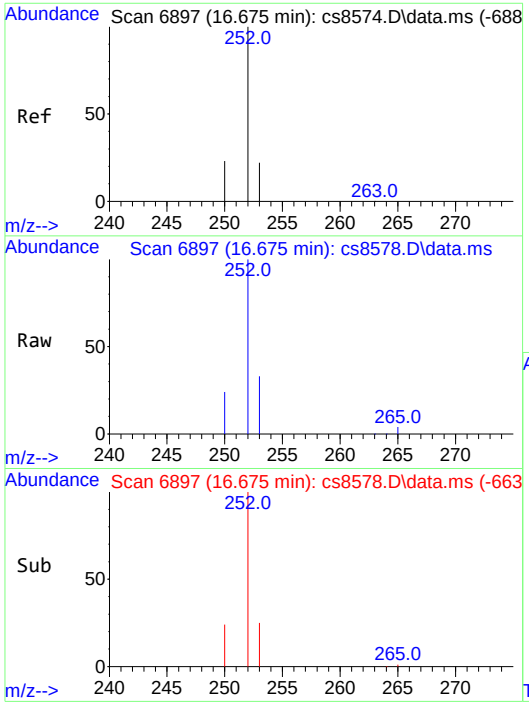


#27
Chrysene
Concen: 201.76 ppb
RT: 15.159 min Scan# 6148
Delta R.T. -0.002 min
Lab File: cs8578.D
Acq: 17 Sep 2025 03:56 pm

Tgt Ion:228 Resp: 31165

Ion	Ratio	Lower	Upper
228	100		
226	30.0	0.0	59.6
229	18.8	0.0	49.1

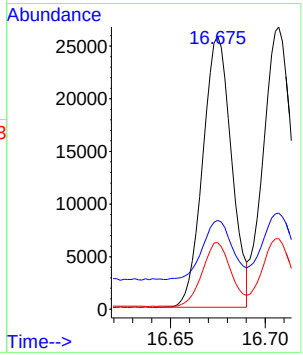


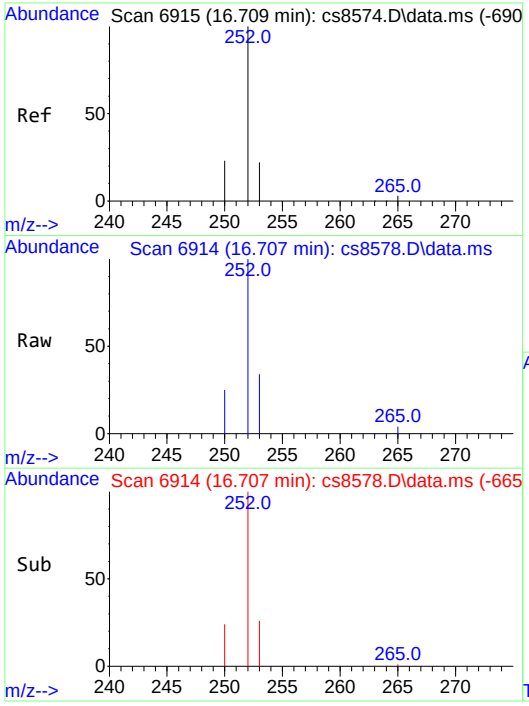


#29
Benzo[b]fluoranthene
Concen: 200.37 ppb
RT: 16.675 min Scan# 6897
Delta R.T. -0.000 min
Lab File: cs8578.D
Acq: 17 Sep 2025 03:56 pm

Tgt Ion:252 Resp: 27193

Ion	Ratio	Lower	Upper
252	100		
253	21.5	0.0	51.5
250	23.4	0.0	53.4

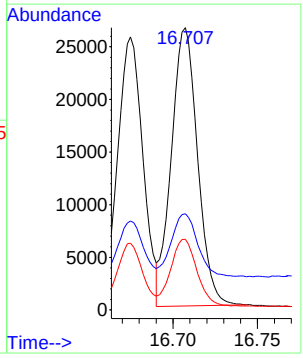


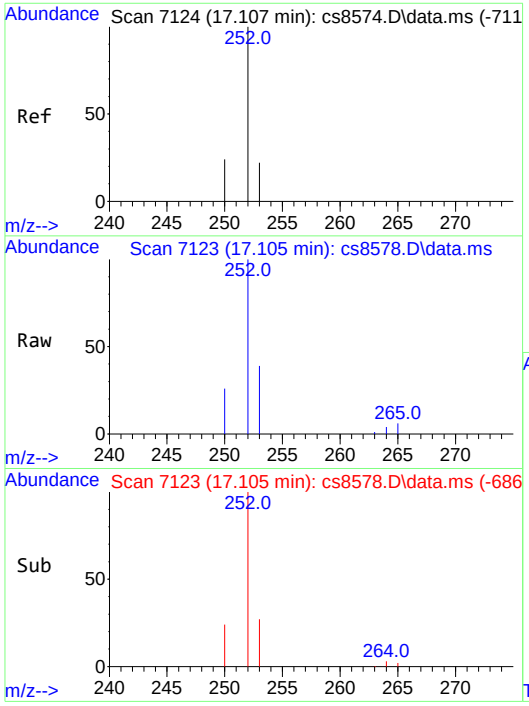


#30
Benzo[k]fluoranthene
Concen: 225.60 ppb
RT: 16.707 min Scan# 6914
Delta R.T. -0.002 min
Lab File: cs8578.D
Acq: 17 Sep 2025 03:56 pm

Tgt Ion:252 Resp: 28551

Ion	Ratio	Lower	Upper
252	100		
253	22.9	0.0	51.3
250	24.0	0.0	53.2

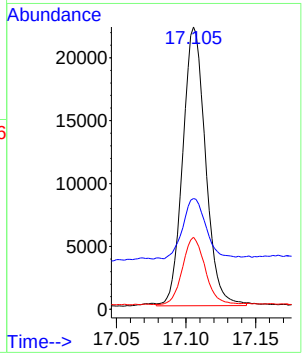


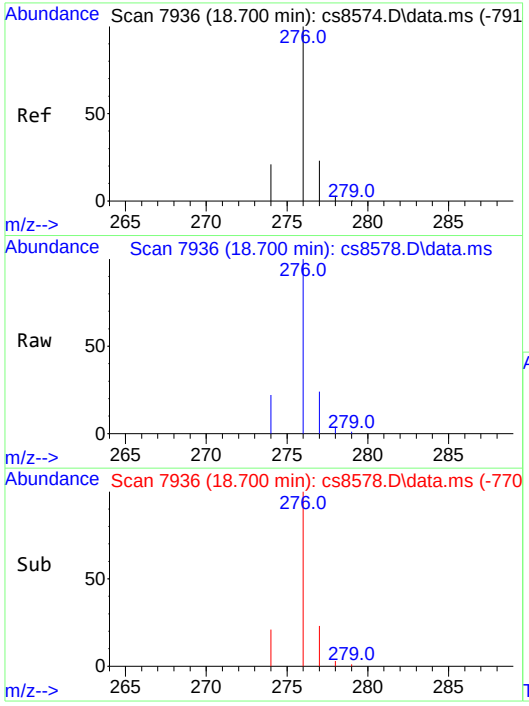


#31
Benzo[a]pyrene
Concen: 200.22 ppb
RT: 17.105 min Scan# 7123
Delta R.T. -0.002 min
Lab File: cs8578.D
Acq: 17 Sep 2025 03:56 pm

Tgt Ion:252 Resp: 25197

Ion	Ratio	Lower	Upper
252	100		
253	21.2	0.0	51.3
250	24.2	0.0	53.7

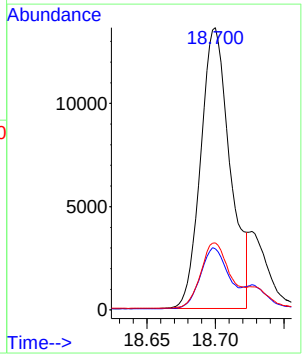


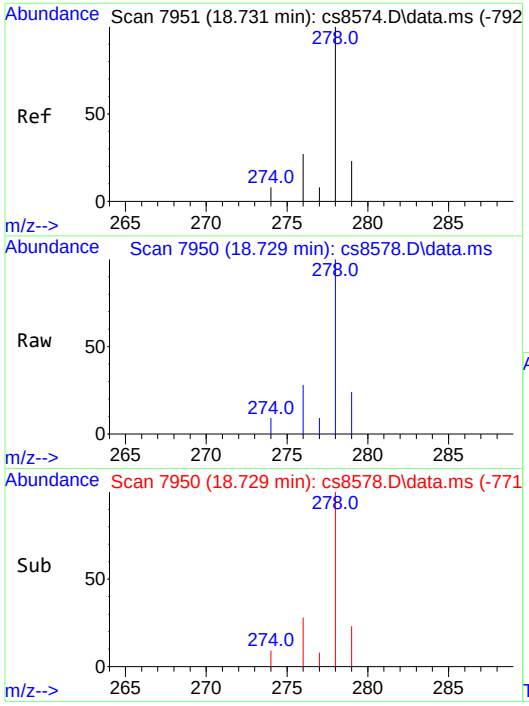


#32
Indeno[1,2,3-cd]pyrene
Concen: 204.08 ppb
RT: 18.700 min Scan# 7936
Delta R.T. 0.000 min
Lab File: cs8578.D
Acq: 17 Sep 2025 03:56 pm

Tgt Ion:276 Resp: 20257

Ion	Ratio	Lower	Upper
276	100		
274	20.1	0.0	50.4
277	22.6	0.0	52.4

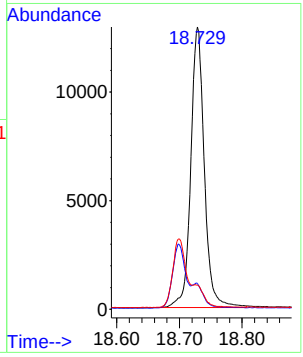


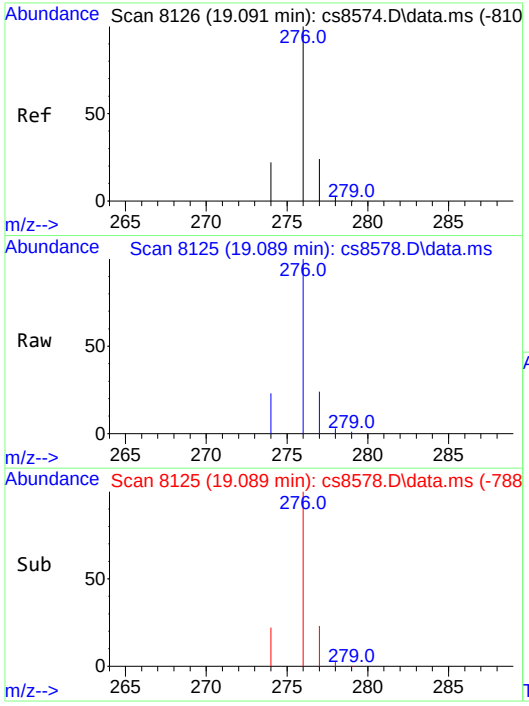


#33
Dibenz[a,h]anthracene
Concen: 208.39 ppb
RT: 18.729 min Scan# 7950
Delta R.T. -0.002 min
Lab File: cs8578.D
Acq: 17 Sep 2025 03:56 pm

Tgt Ion:278 Resp: 19392

Ion	Ratio	Lower	Upper
278	100		
274	8.7	0.0	38.4
277	8.0	0.0	37.8

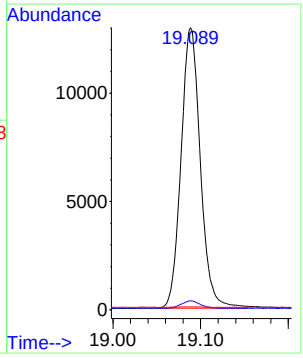




#34
Benzo[g,h,i]perylene
Concen: 199.72 ppb
RT: 19.089 min Scan# 8125
Delta R.T. -0.002 min
Lab File: cs8578.D
Acq: 17 Sep 2025 03:56 pm

Tgt Ion:276 Resp: 19763

Ion	Ratio	Lower	Upper
276	100		
278	2.6	0.0	32.6
279	0.2	0.0	30.2



Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8579.D
Acq On : 17 Sep 2025 04:22 pm
Operator : rocquans
Sample : icv446-1
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Sep 17 17:36:04 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 17:26:33 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	9.075	150	58786	800.00	ppb	0.00
11) Fluorene-d10	10.394	176	77141	800.00	ppb	0.00
18) Fluoranthene-d10	12.983	212	114538	800.00	ppb	0.00
28) Benzo(a)pyrene-d12	17.074	264	60461	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	0.000	112	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
4) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
6) Nitrobenzene-d5	0.000	82	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
12) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
17) 2,4,6-Tribromophenol	0.000	330	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
25) Terphenyl-d14	0.000	244	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
Target Compounds						Qvalue
5) Phenol	7.198	94	88062	1144.99	ppb	97
16) 4,6-dinitro-2-methylph...	10.510	198	18599	1276.44	ppb	98
20) Pentachlorophenol	11.291	266	53707	2274.39	ppb	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

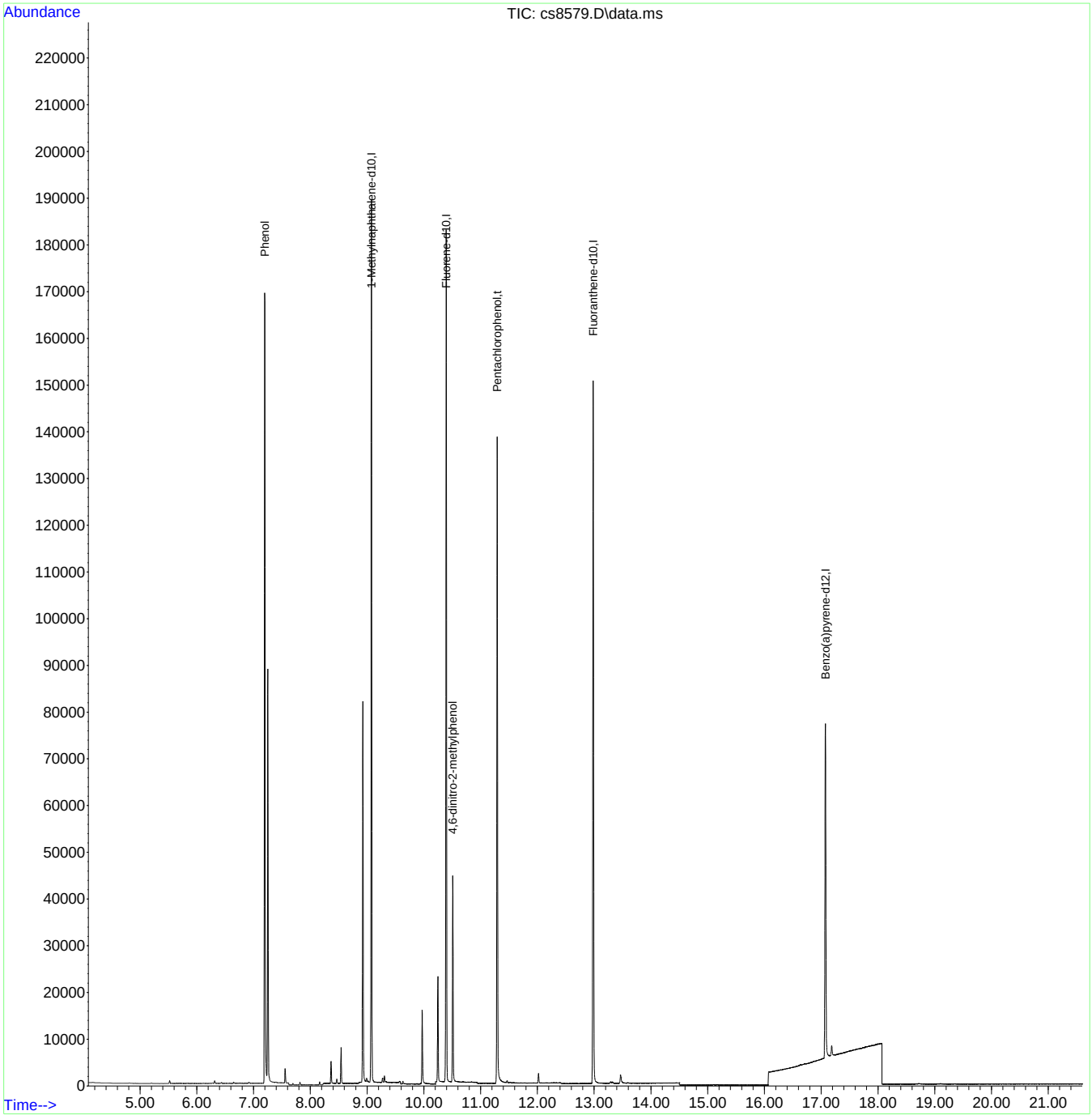
9.5.26

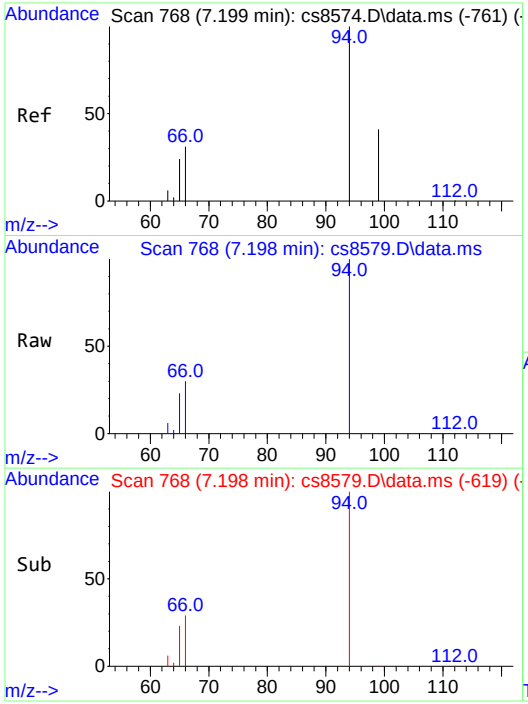
9

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\ECS446\
Data File : cs8579.D
Acq On : 17 Sep 2025 04:22 pm
Operator : rocquans
Sample : icv446-1
Misc : op67159a,ecs446,250,,,1,1
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Sep 17 17:36:04 2025
Quant Method : D:\MassHunter\GCMS\1\methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 17 17:26:33 2025
Response via : Initial Calibration

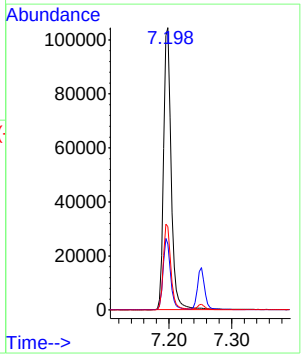


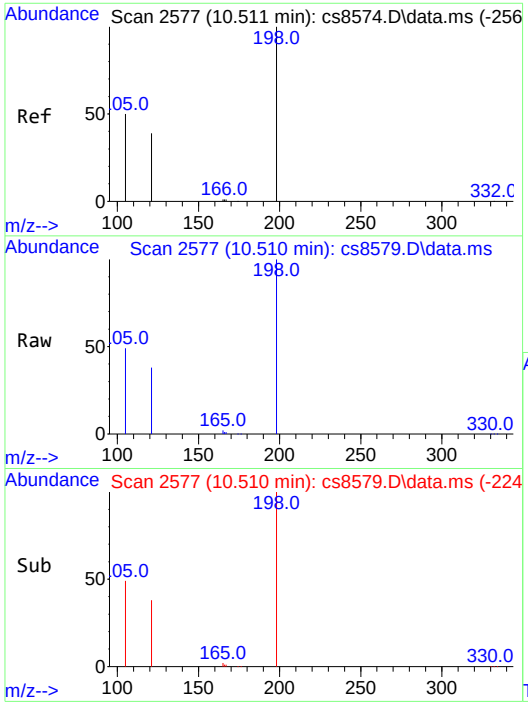


#5
Phenol
Concen: 1144.99 ppb
RT: 7.198 min Scan# 768
Delta R.T. -0.001 min
Lab File: cs8579.D
Acq: 17 Sep 2025 04:22 pm

Tgt Ion: 94 Resp: 88062

Ion	Ratio	Lower	Upper
94	100		
65	23.2	17.0	25.4
66	29.5	24.6	37.0

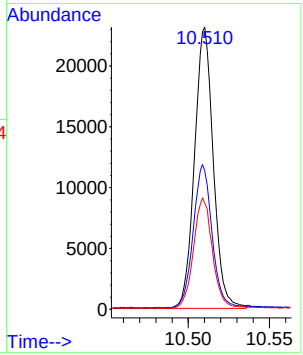


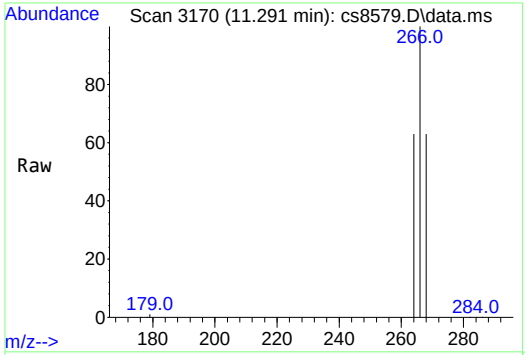


#16
4,6-dinitro-2-methylphenol
Concen: 1276.44 ppb
RT: 10.510 min Scan# 2577
Delta R.T. -0.001 min
Lab File: cs8579.D
Acq: 17 Sep 2025 04:22 pm

Tgt Ion:198 Resp: 18599

Ion	Ratio	Lower	Upper
198	100		
105	48.6	29.9	69.9
121	37.4	19.3	59.3

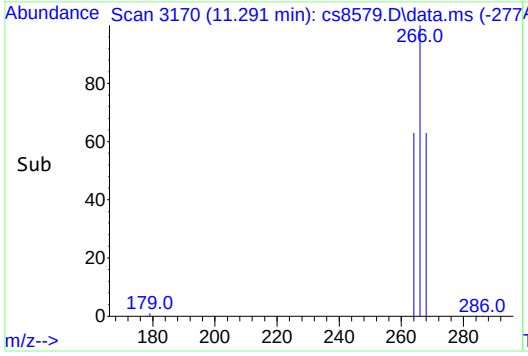


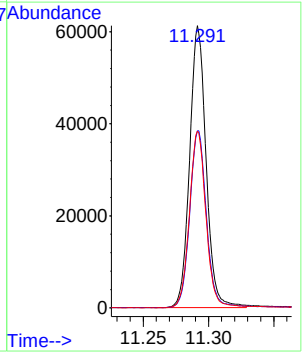


#20
Pentachlorophenol
Concen: 2274.39 ppb
RT: 11.291 min Scan# 3170
Delta R.T. -0.003 min
Lab File: cs8579.D
Acq: 17 Sep 2025 04:22 pm

Tgt Ion:266 Resp: 53707

Ion	Ratio	Lower	Upper
266	100		
268	63.4	43.1	83.1
264	63.1	43.0	83.0





Manual Integrations APPROVED (compounds with "m" flag)
Ying Li
10/21/25 11:23

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\lorenat\Octubre\2025-10-20\ecs470\
Data File : cs9115.D
Acq On : 18 Oct 2025 03:43 pm
Operator : rocquans
Sample : cc446-0.2 Inst : GCMS_CS
Misc : op68079a,ecs470,250,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 20 18:05:21 2025
Quant Method : X:\Dayton SVOA GCMS\lorenat\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 18:02:46 2025
Response via : Initial Calibration

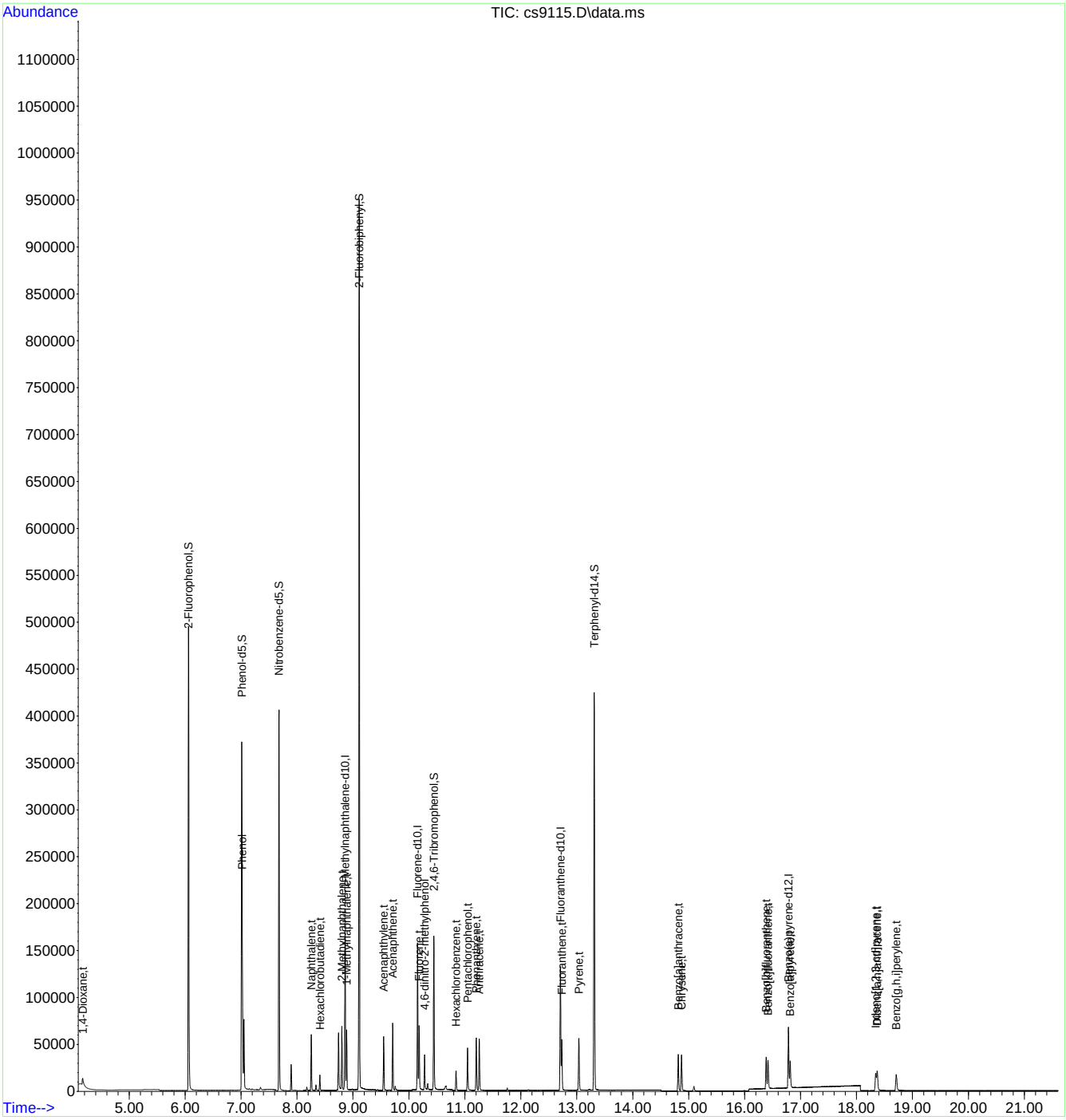
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	8.858	150	51854	800.00	ppb	0.00
11) Fluorene-d10	10.154	176	66447	800.00	ppb	0.00
18) Fluoranthene-d10	12.708	212	99459	800.00	ppb	0.00
28) Benzo(a)pyrene-d12	16.783	264	54104	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	6.063	112	230542	4640.07	ppb	0.00
Spiked Amount 10000.000			Recovery =	46.40%		
4) Phenol-d5	7.011	99	255364	4352.76	ppb	0.00
Spiked Amount 10000.000			Recovery =	43.53%		
6) Nitrobenzene-d5	7.676	82	211498	4368.88	ppb	0.00
Spiked Amount 10000.000			Recovery =	43.69%		
12) 2-Fluorobiphenyl	9.112	172	457777	4250.29	ppb	0.00
Spiked Amount 10000.000			Recovery =	42.50%		
17) 2,4,6-Tribromophenol	10.445	330	55819	5051.47	ppb	0.00
Spiked Amount 10000.000			Recovery =	50.51%		
25) Terphenyl-d14	13.312	244	298516	4184.05	ppb	0.00
Spiked Amount 10000.000			Recovery =	41.84%		
Target Compounds						Qvalue
2) 1,4-Dioxane	4.168	88	5297m	230.9126	ppb	
5) Phenol	7.021	94	73207	1079.0913	ppb	99
7) Naphthalene	8.253	128	38249	205.4993	ppb	100
8) Hexachlorobutadiene	8.409	225	5749	210.9283	ppb	98
9) 2-Methylnaphthalene	8.802	141	20932	202.5037	ppb	98
10) 1-Methylnaphthalene	8.886	141	20107	204.4486	ppb	98
13) Acenaphthylene	9.549	152	36100	222.2803	ppb	100
14) Acenaphthene	9.710	153	23374	206.8390	ppb	99
15) Fluorene	10.182	166	26952	208.9212	ppb	100
16) 4,6-dinitro-2-methylph...	10.280	198	16570	1312.7997	ppb	98
19) Hexachlorobenzene	10.842	284	7251	213.7283	ppb	98
20) Pentachlorophenol	11.048	266	18260	1106.3026	ppb	99
21) Phenanthrene	11.202	178	37843	214.5260	ppb	100
22) Anthracene	11.257	178	37904	233.0260	ppb	98
23) Fluoranthene	12.732	202	38464	207.7212	ppb	99
24) Pyrene	13.037	202	40582	215.7130	ppb	99
26) Benzo[a]anthracene	14.814	228	29028	213.6908	ppb	99
27) Chrysene	14.873	228	27899	206.9077	ppb	100
29) Benzo[b]fluoranthene	16.385	252	24261	205.1913	ppb	99
30) Benzo[k]fluoranthene	16.418	252	23661	214.5989	ppb	98
31) Benzo[a]pyrene	16.814	252	22269	203.1182	ppb	100
32) Indeno[1,2,3-cd]pyrene	18.344	276	17802m	205.8608	ppb	
33) Dibenz[a,h]anthracene	18.369	278	18051	222.6606	ppb	99
34) Benzo[g,h,i]perylene	18.710	276	18133	210.3366	ppb	100

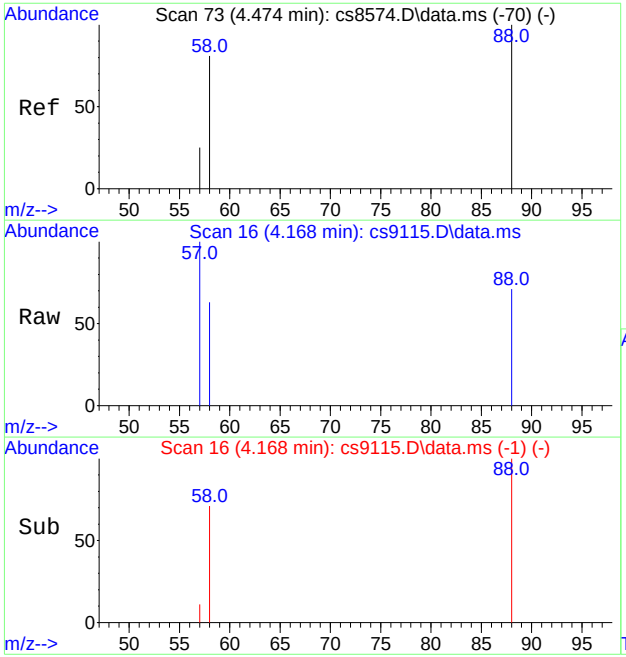
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\lorenat\Octubre\2025-10-20\ecs470\
Data File : cs9115.D
Acq On : 18 Oct 2025 03:43 pm
Operator : rocquans
Sample : cc446-0.2 Inst : GCMS_CS
Misc : op68079a,ecs470,250,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 20 18:05:21 2025
Quant Method : X:\Dayton SVOA GCMS\lorenat\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 18:02:46 2025
Response via : Initial Calibration

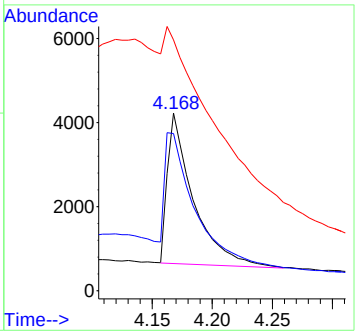


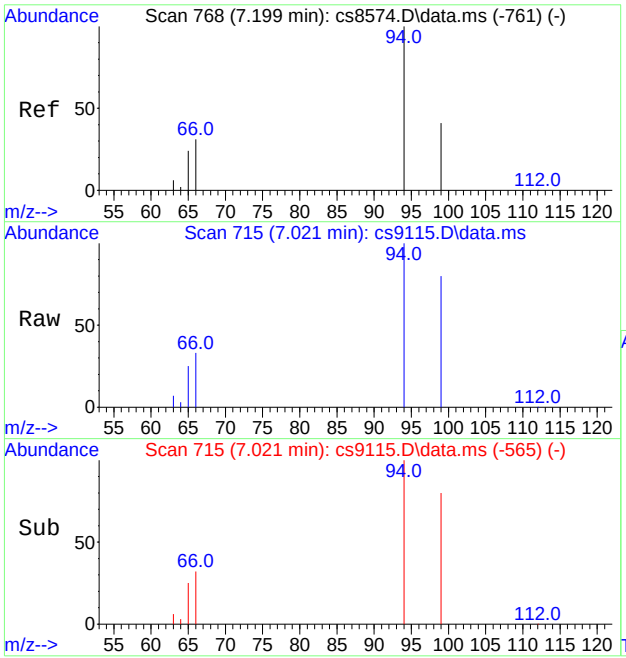


#2
1,4-Dioxane
Concen: 230.9126 ppb m
RT: 4.168 min Scan# 16
Delta R.T. -0.016 min
Lab File: cs9115.D
Acq: 18 Oct 2025 03:43 pm

Tgt Ion: 88 Resp: 5297

Ion	Ratio	Lower	Upper
88	100		
58	88.5	62.1	102.1
57	141.1	7.3	47.3#

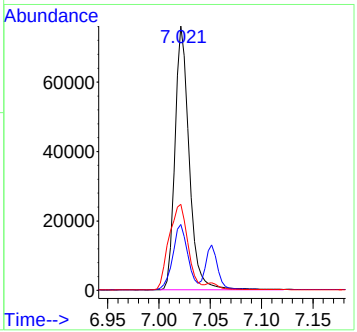


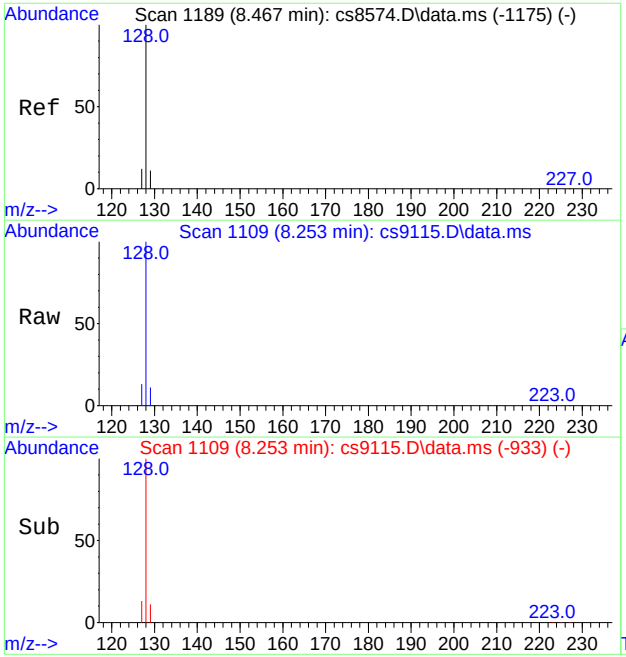


#5
Phenol
Concen: 1079.0913 ppb
RT: 7.021 min Scan# 715
Delta R.T. -0.000 min
Lab File: cs9115.D
Acq: 18 Oct 2025 03:43 pm

Tgt Ion: 94 Resp: 73207

Ion	Ratio	Lower	Upper
94	100		
65	24.4	19.0	28.4
66	31.1	25.0	37.4

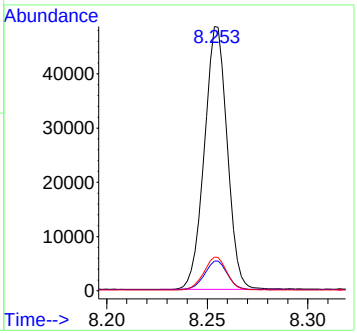


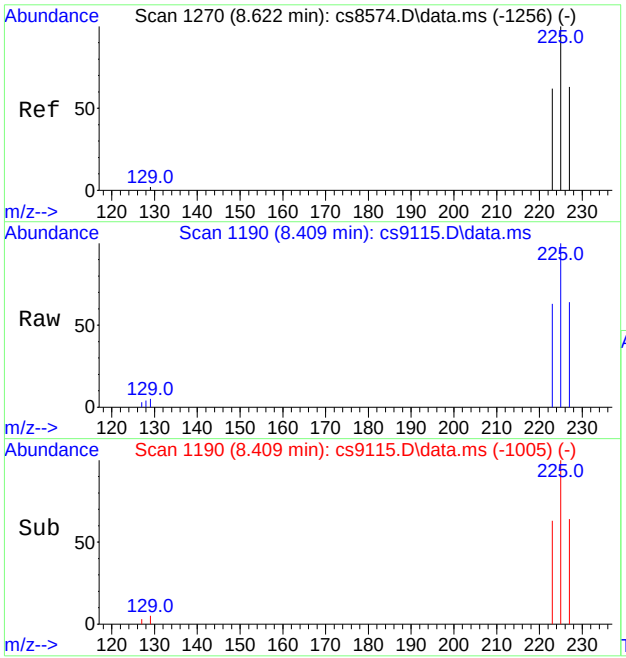


#7
Naphthalene
Concen: 205.4993 ppb
RT: 8.253 min Scan# 1109
Delta R.T. -0.002 min
Lab File: cs9115.D
Acq: 18 Oct 2025 03:43 pm

Tgt Ion:128 Resp: 38249

Ion	Ratio	Lower	Upper
128	100		
129	10.8	0.0	40.7
127	12.5	0.0	42.5

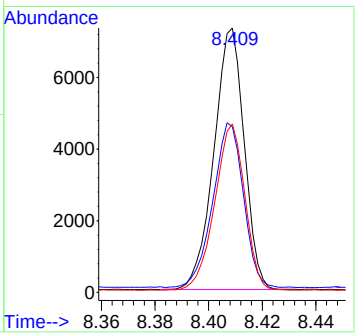


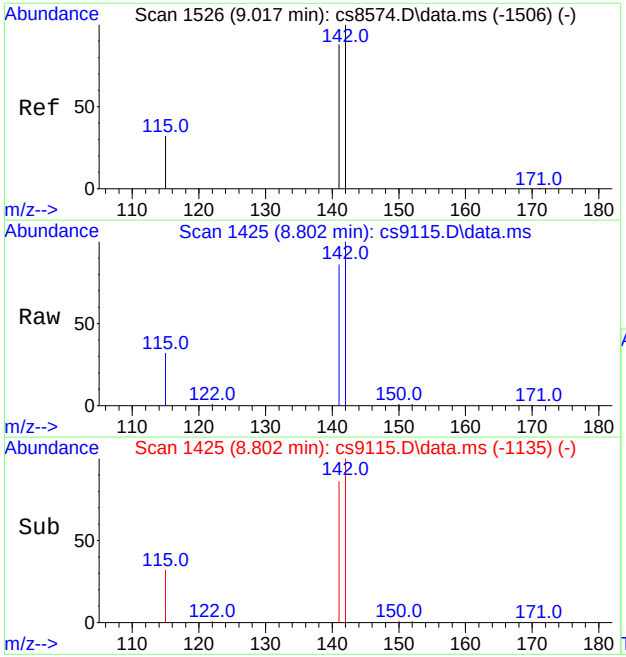


#8
Hexachlorobutadiene
Concen: 210.9283 ppb
RT: 8.409 min Scan# 1190
Delta R.T. -0.000 min
Lab File: cs9115.D
Acq: 18 Oct 2025 03:43 pm

Tgt Ion:225 Resp: 5749

Ion	Ratio	Lower	Upper
225	100		
223	61.3	33.2	93.2
227	63.5	34.2	94.2

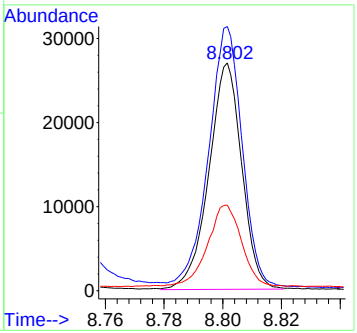


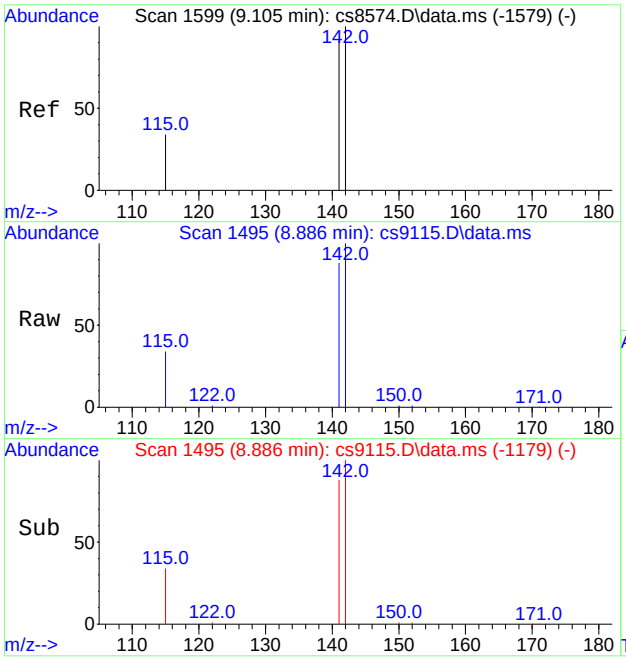


#9
2-Methylnaphthalene
Concen: 202.5037 ppb
RT: 8.802 min Scan# 1425
Delta R.T. -0.001 min
Lab File: cs9115.D
Acq: 18 Oct 2025 03:43 pm

Tgt Ion:141 Resp: 20932

Ion	Ratio	Lower	Upper
141	100		
142	114.3	82.0	142.0
115	35.8	6.5	66.5

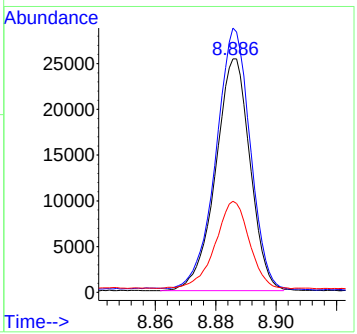


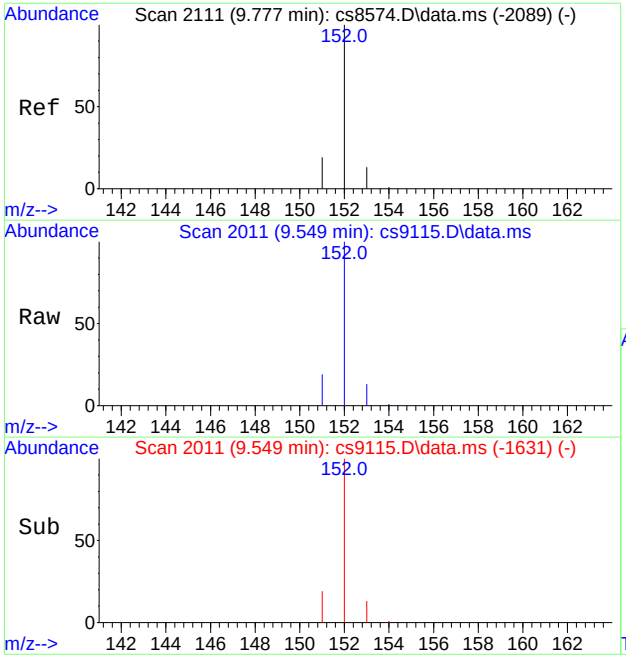


#10
1-Methylnaphthalene
Concen: 204.4486 ppb
RT: 8.886 min Scan# 1495
Delta R.T. -0.001 min
Lab File: cs9115.D
Acq: 18 Oct 2025 03:43 pm

Tgt Ion:141 Resp: 20107

Ion	Ratio	Lower	Upper
141	100		
142	112.6	80.3	140.3
115	37.6	6.9	66.9

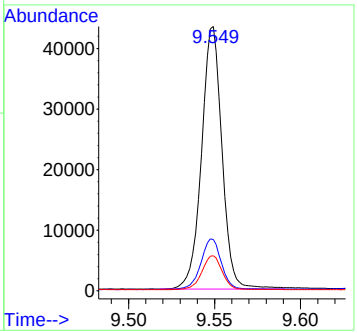


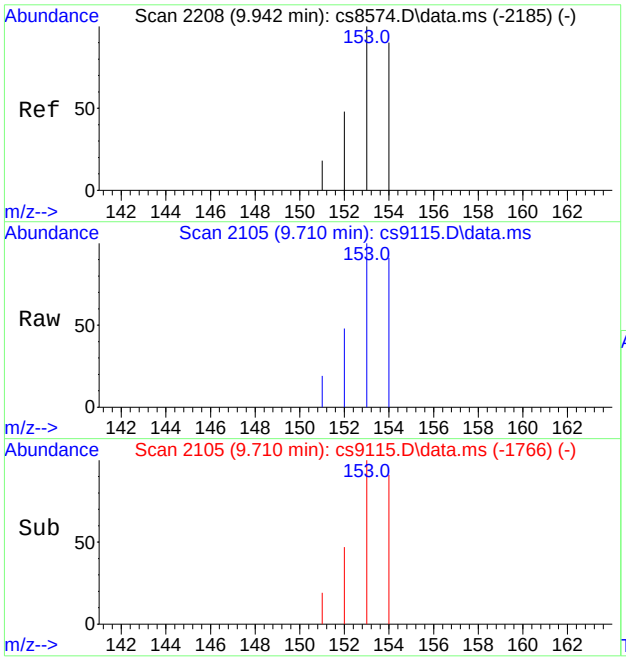


#13
Acenaphthylene
Concen: 222.2803 ppb
RT: 9.549 min Scan# 2011
Delta R.T. -0.000 min
Lab File: cs9115.D
Acq: 18 Oct 2025 03:43 pm

Tgt Ion:152 Resp: 36100

Ion	Ratio	Lower	Upper
152	100		
151	18.9	0.0	49.2
153	12.9	0.0	42.9

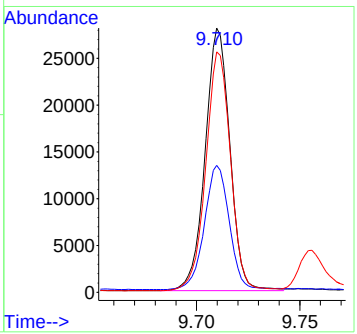


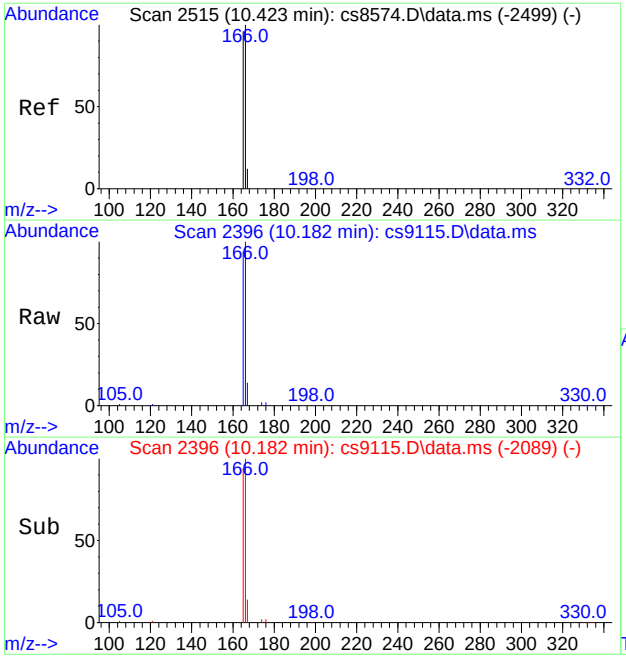


#14
Acenaphthene
Concen: 206.8390 ppb
RT: 9.710 min Scan# 2105
Delta R.T. -0.002 min
Lab File: cs9115.D
Acq: 18 Oct 2025 03:43 pm

Tgt Ion:153 Resp: 23374

Ion	Ratio	Lower	Upper
153	100		
152	47.2	17.4	77.4
154	90.8	59.9	119.9

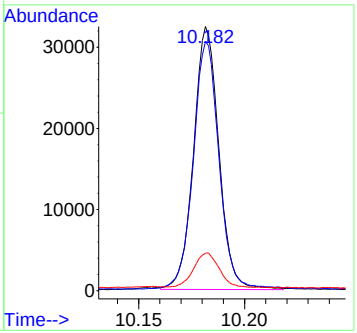


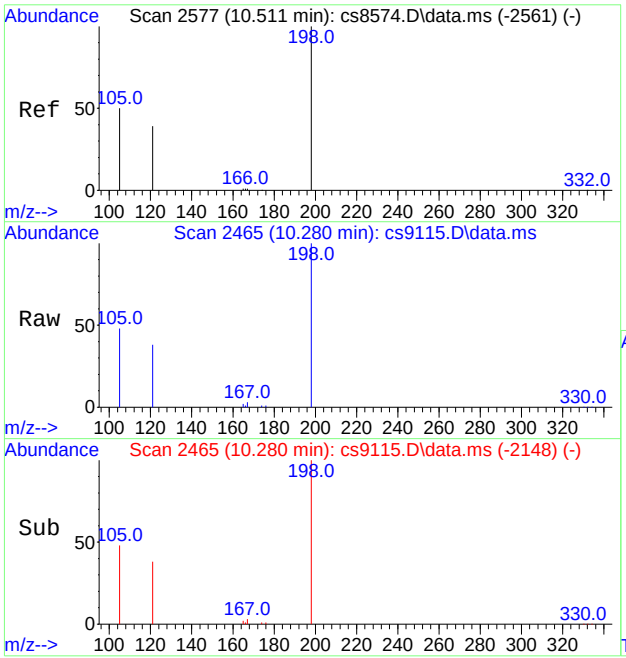


#15
Fluorene
Concen: 208.9212 ppb
RT: 10.182 min Scan# 2396
Delta R.T. -0.002 min
Lab File: cs9115.D
Acq: 18 Oct 2025 03:43 pm

Tgt Ion:166 Resp: 26952

Ion	Ratio	Lower	Upper
166	100		
165	94.1	64.3	124.3
167	13.0	0.0	42.9

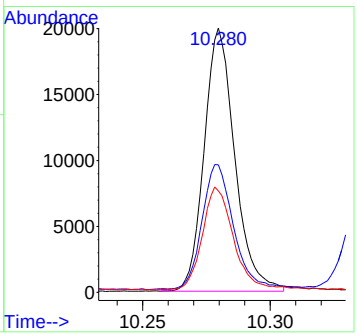


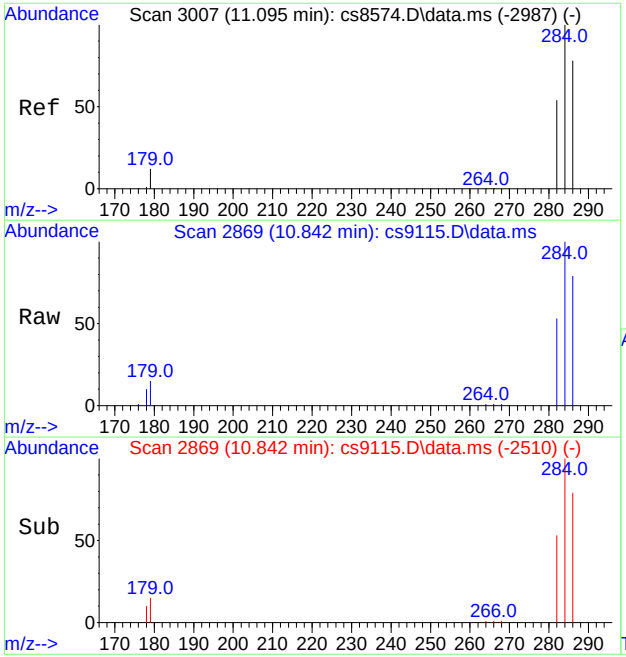


#16
4,6-dinitro-2-methylphenol
Concen: 1312.7997 ppb
RT: 10.280 min Scan# 2465
Delta R.T. -0.003 min
Lab File: cs9115.D
Acq: 18 Oct 2025 03:43 pm

Tgt Ion:198 Resp: 16570

Ion	Ratio	Lower	Upper
198	100		
105	47.0	29.7	69.7
121	37.3	17.6	57.6

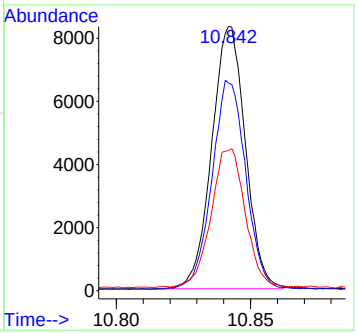


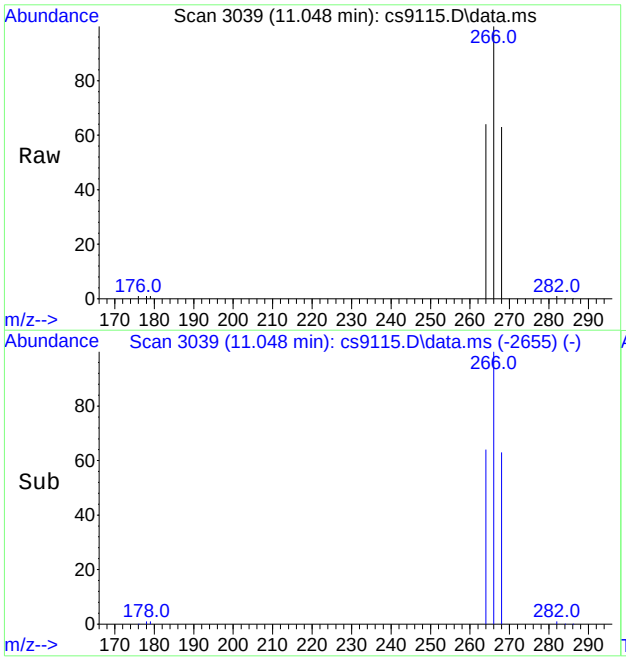


#19
Hexachlorobenzene
Concen: 213.7283 ppb
RT: 10.842 min Scan# 2869
Delta R.T. -0.001 min
Lab File: cs9115.D
Acq: 18 Oct 2025 03:43 pm

Tgt Ion:284 Resp: 7251

Ion	Ratio	Lower	Upper
284	100		
286	78.5	46.4	106.4
282	51.9	21.6	81.6

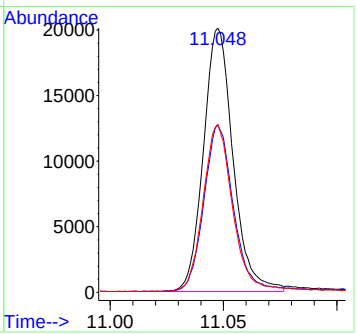


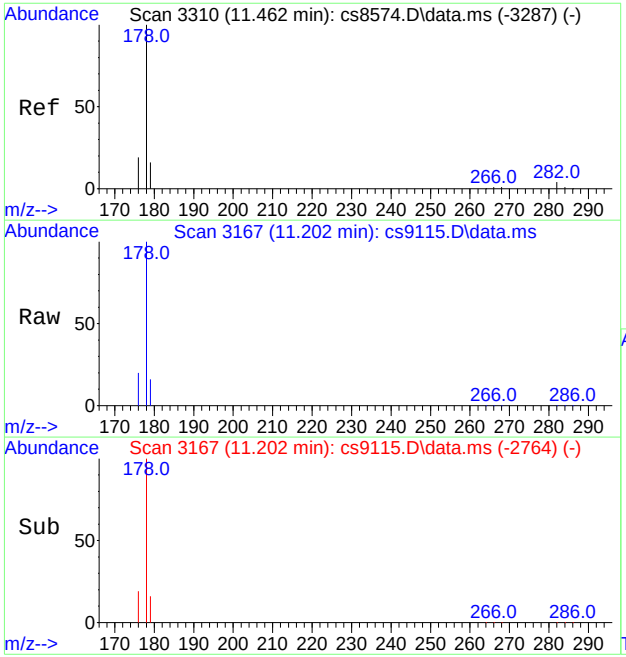


#20
Pentachlorophenol
Concen: 1106.3026 ppb
RT: 11.048 min Scan# 3039
Delta R.T. -0.003 min
Lab File: cs9115.D
Acq: 18 Oct 2025 03:43 pm

Tgt Ion:266 Resp: 18260

Ion	Ratio	Lower	Upper
266	100		
268	62.8	42.8	82.8
264	62.8	41.0	81.0

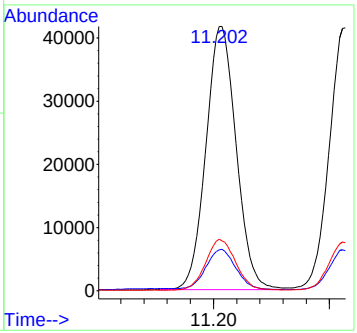


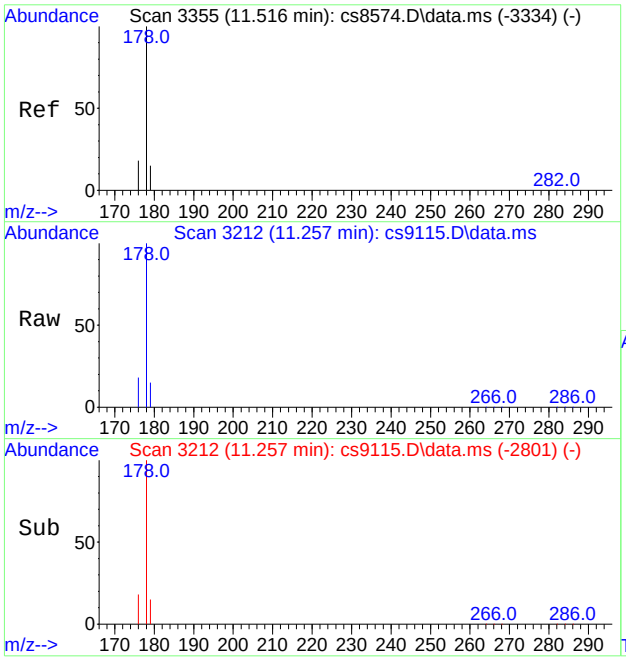


#21
Phenanthrene
Concen: 214.5260 ppb
RT: 11.202 min Scan# 3167
Delta R.T. -0.003 min
Lab File: cs9115.D
Acq: 18 Oct 2025 03:43 pm

Tgt Ion:178 Resp: 37843

Ion	Ratio	Lower	Upper
178	100		
179	14.9	0.0	45.1
176	19.3	0.0	49.5

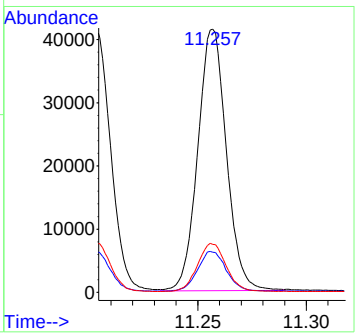


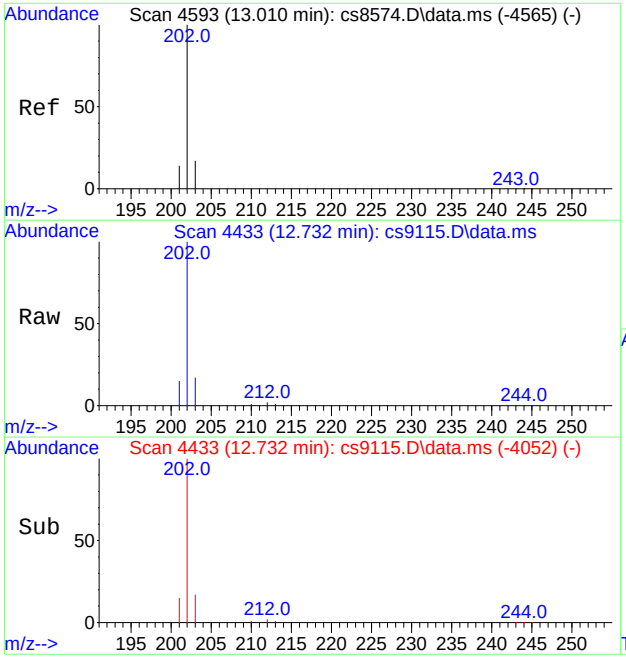


#22
Anthracene
Concen: 233.0260 ppb
RT: 11.257 min Scan# 3212
Delta R.T. -0.001 min
Lab File: cs9115.D
Acq: 18 Oct 2025 03:43 pm

Tgt Ion:178 Resp: 37904

Ion	Ratio	Lower	Upper
178	100		
179	14.9	0.0	45.7
176	18.0	0.0	48.8

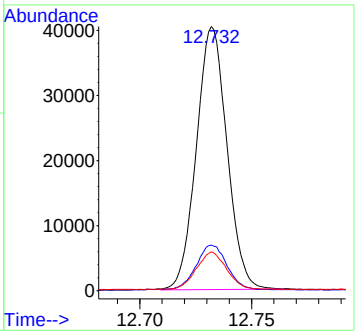


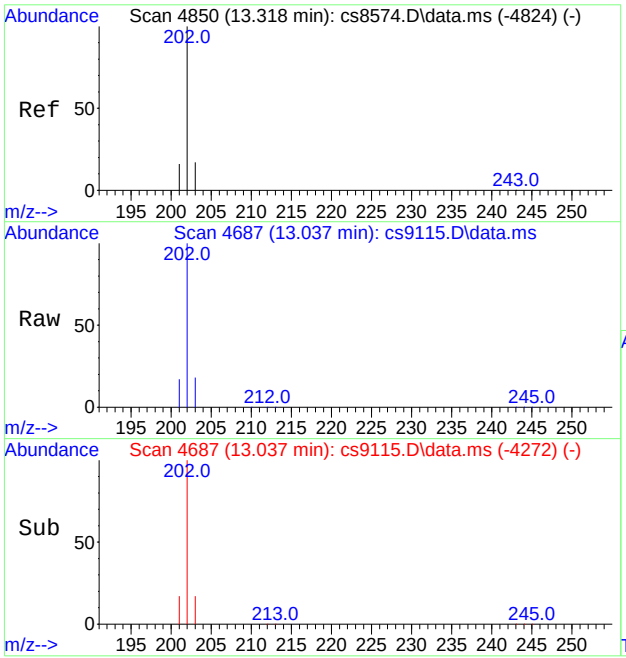


#23
Fluoranthene
Concen: 207.7212 ppb
RT: 12.732 min Scan# 4433
Delta R.T. -0.001 min
Lab File: cs9115.D
Acq: 18 Oct 2025 03:43 pm

Tgt Ion:202 Resp: 38464

Ion	Ratio	Lower	Upper
202	100		
203	16.9	0.0	47.2
201	14.3	0.0	44.0

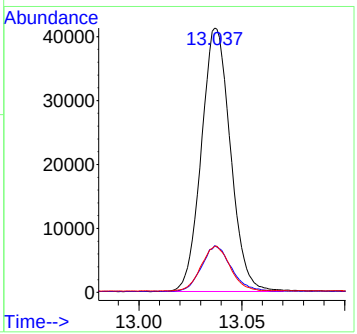


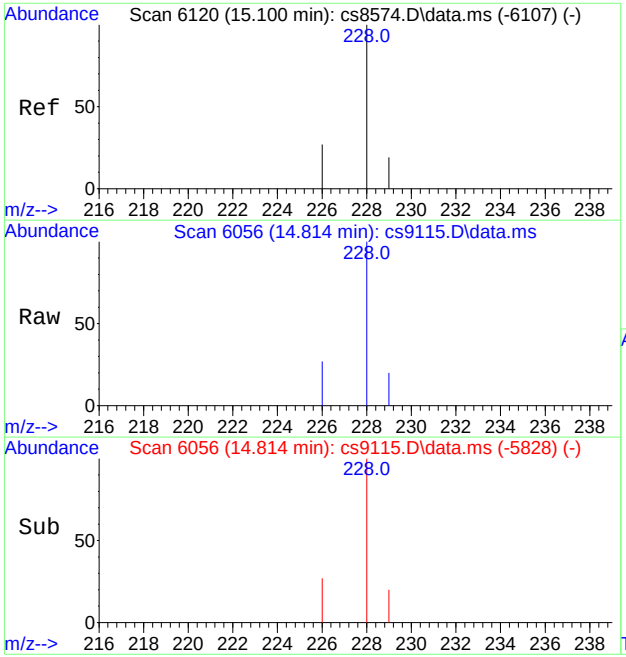


#24
Pyrene
Concen: 215.7130 ppb
RT: 13.037 min Scan# 4687
Delta R.T. -0.003 min
Lab File: cs9115.D
Acq: 18 Oct 2025 03:43 pm

Tgt Ion:202 Resp: 40582

Ion	Ratio	Lower	Upper
202	100		
203	17.4	0.0	46.8
201	16.9	0.0	46.3

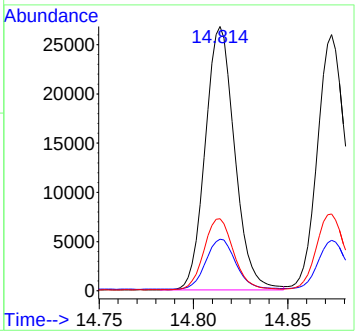


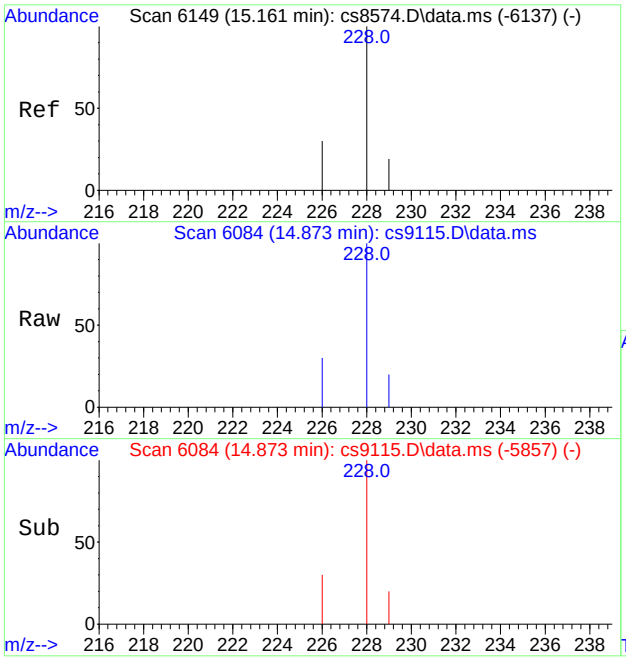


#26
Benzo[a]anthracene
Concen: 213.6908 ppb
RT: 14.814 min Scan# 6056
Delta R.T. -0.002 min
Lab File: cs9115.D
Acq: 18 Oct 2025 03:43 pm

Tgt Ion:228 Resp: 29028

Ion	Ratio	Lower	Upper
228	100		
229	19.0	0.0	49.3
226	27.0	0.0	57.2

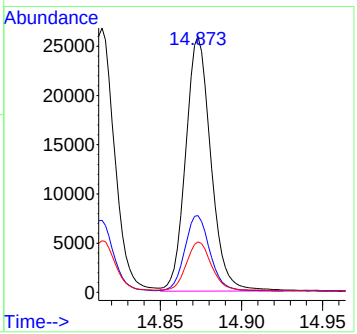


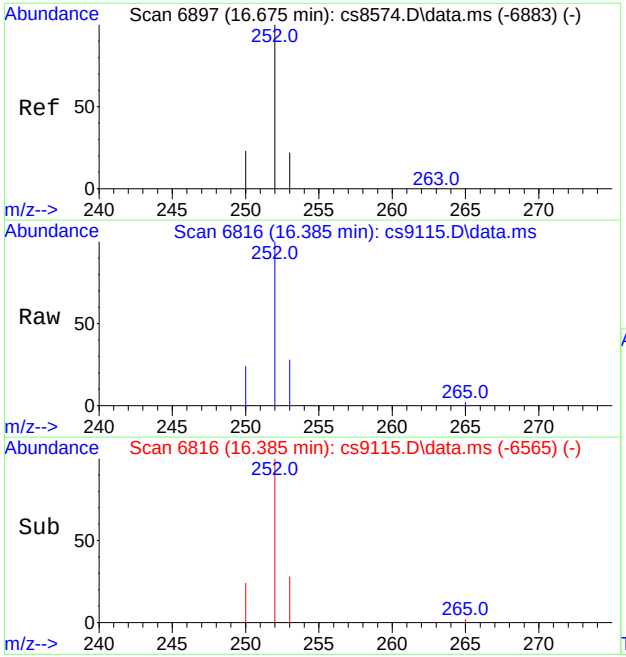


#27
Chrysene
Concen: 206.9077 ppb
RT: 14.873 min Scan# 6084
Delta R.T. -0.004 min
Lab File: cs9115.D
Acq: 18 Oct 2025 03:43 pm

Tgt Ion:228 Resp: 27899

Ion	Ratio	Lower	Upper
228	100		
226	29.6	0.0	59.6
229	19.1	0.0	49.1

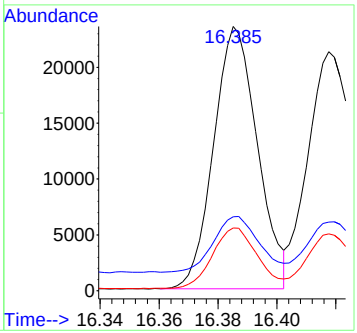


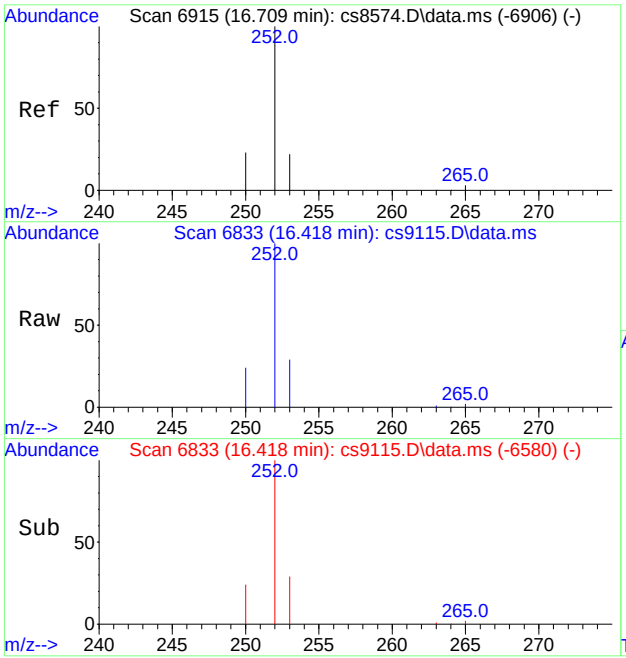


#29
Benzo[b]fluoranthene
Concen: 205.1913 ppb
RT: 16.385 min Scan# 6816
Delta R.T. -0.004 min
Lab File: cs9115.D
Acq: 18 Oct 2025 03:43 pm

Tgt Ion:252 Resp: 24261

Ion	Ratio	Lower	Upper
252	100		
253	21.0	0.0	51.6
250	22.9	0.0	53.3

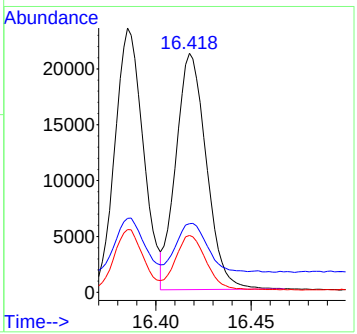


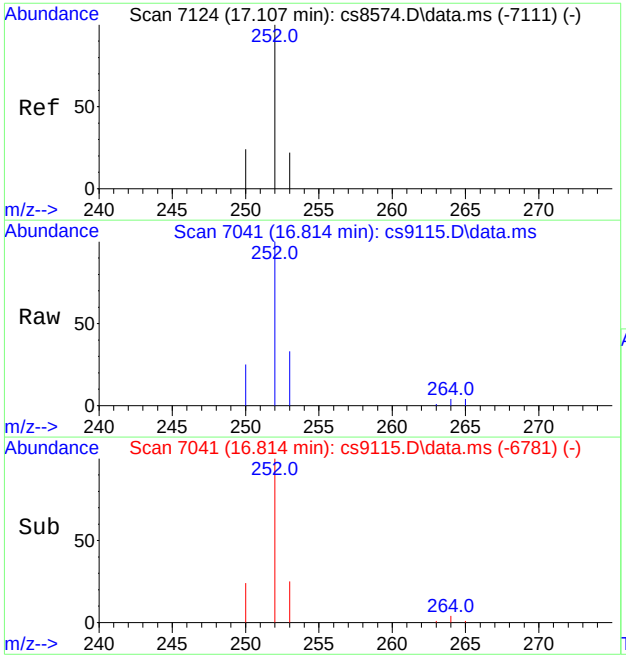


#30
Benzo[k]fluoranthene
Concen: 214.5989 ppb
RT: 16.418 min Scan# 6833
Delta R.T. -0.004 min
Lab File: cs9115.D
Acq: 18 Oct 2025 03:43 pm

Tgt Ion:252 Resp: 23661

Ion	Ratio	Lower	Upper
252	100		
253	20.6	0.0	51.5
250	22.8	0.0	52.2

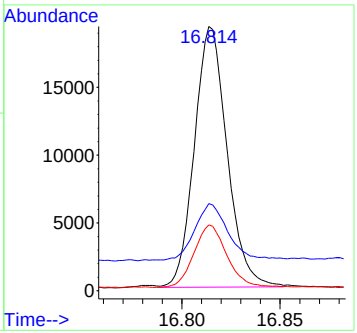


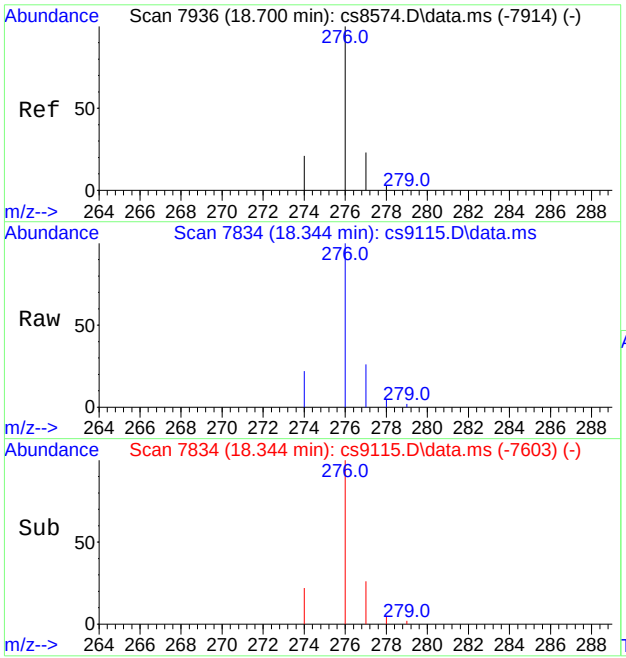


#31
Benzo[a]pyrene
Concen: 203.1182 ppb
RT: 16.814 min Scan# 7041
Delta R.T. -0.006 min
Lab File: cs9115.D
Acq: 18 Oct 2025 03:43 pm

Tgt Ion:252 Resp: 22269

Ion	Ratio	Lower	Upper
252	100		
253	21.4	0.0	51.5
250	23.9	0.0	53.7

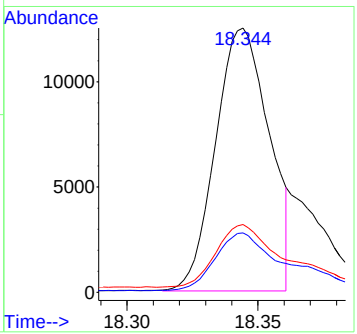


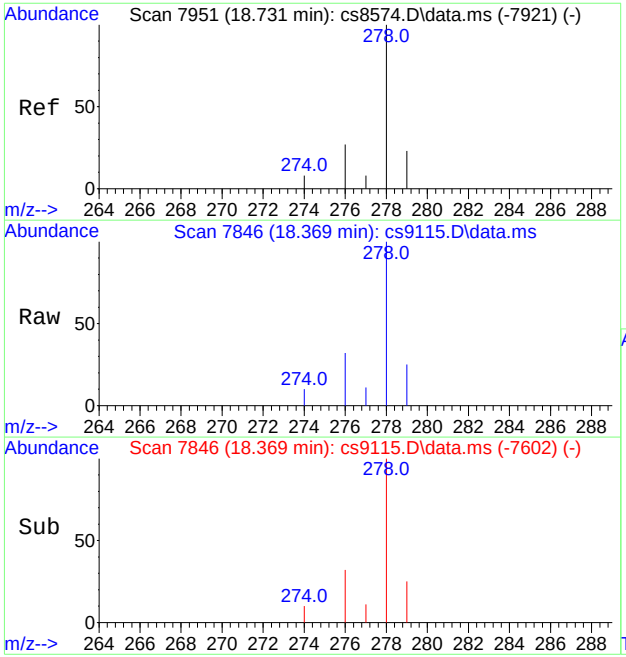


#32
Indeno[1,2,3-cd]pyrene
Concen: 205.8608 ppb m
RT: 18.344 min Scan# 7834
Delta R.T. -0.006 min
Lab File: cs9115.D
Acq: 18 Oct 2025 03:43 pm

Tgt Ion:276 Resp: 17802

Ion	Ratio	Lower	Upper
276	100		
274	22.5	0.0	51.9
277	25.7	0.0	54.1

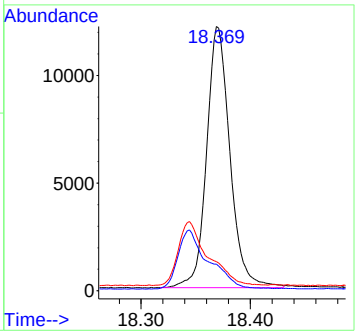


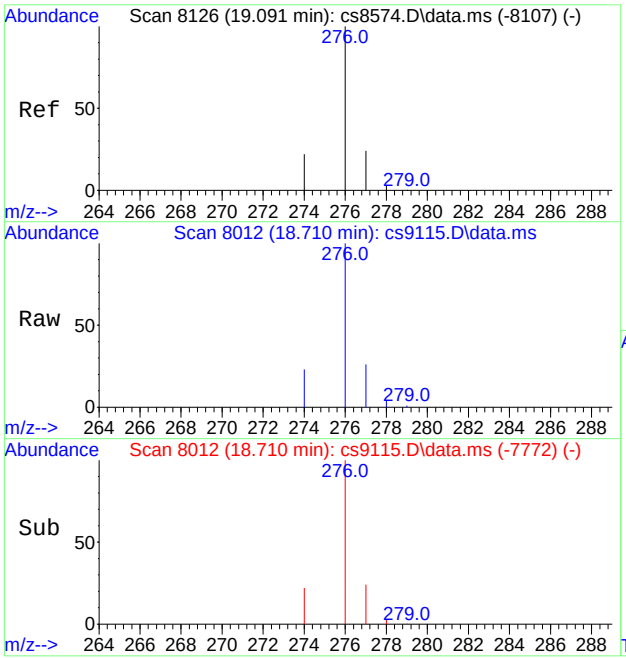


#33
Dibenz[a,h]anthracene
Concen: 222.6606 ppb
RT: 18.369 min Scan# 7846
Delta R.T. -0.008 min
Lab File: cs9115.D
Acq: 18 Oct 2025 03:43 pm

Tgt Ion:278 Resp: 18051

Ion	Ratio	Lower	Upper
278	100		
274	9.3	0.0	38.9
277	9.0	0.0	38.5

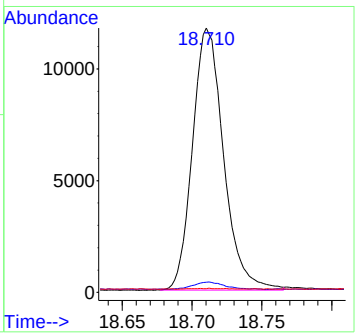




#34
Benzo[g,h,i]perylene
Concen: 210.3366 ppb
RT: 18.710 min Scan# 8012
Delta R.T. -0.006 min
Lab File: cs9115.D
Acq: 18 Oct 2025 03:43 pm

Tgt Ion:276 Resp: 18133

Ion	Ratio	Lower	Upper
276	100		
278	2.6	0.0	32.5
279	0.1	0.0	30.1



Manual Integration Approval Summary

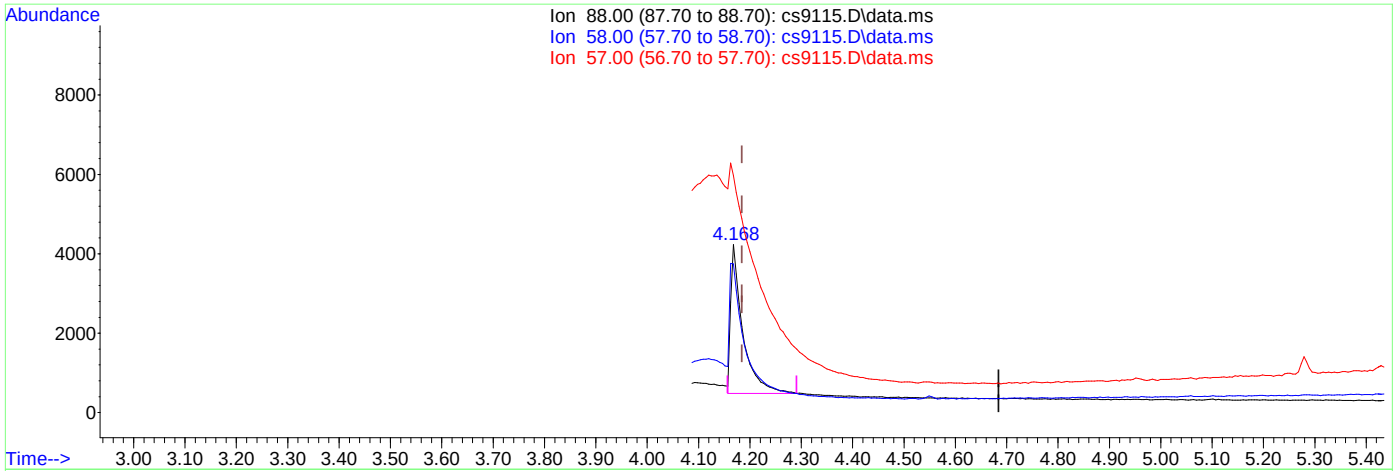
Sample Number: ECS470-CC446
Lab FileID: CS9115.D
Injection Time: 10/18/25 15:43
Method: SW846 8270E BY SIM
Analyst approved: 10/20/25 15:06 Lorena Tafur
Supervisor approved: 10/21/25 11:23 Ying Li

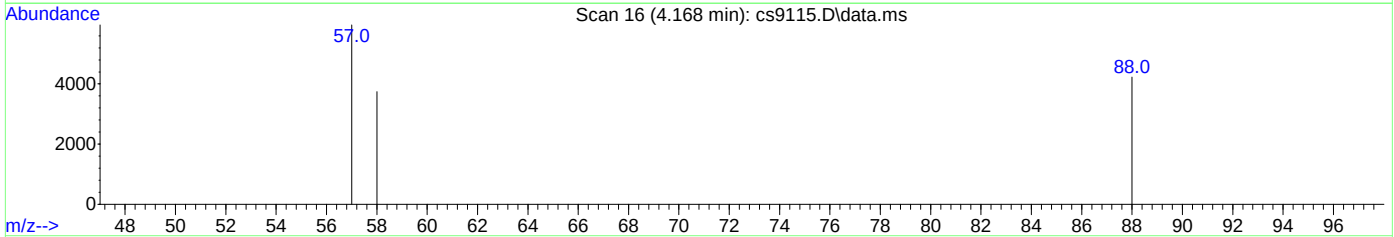
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,4-Dioxane	123-91-1		4.17	Poor instrument integration
Indeno(1,2,3-cd)pyrene	193-39-5		18.34	Poor instrument integration

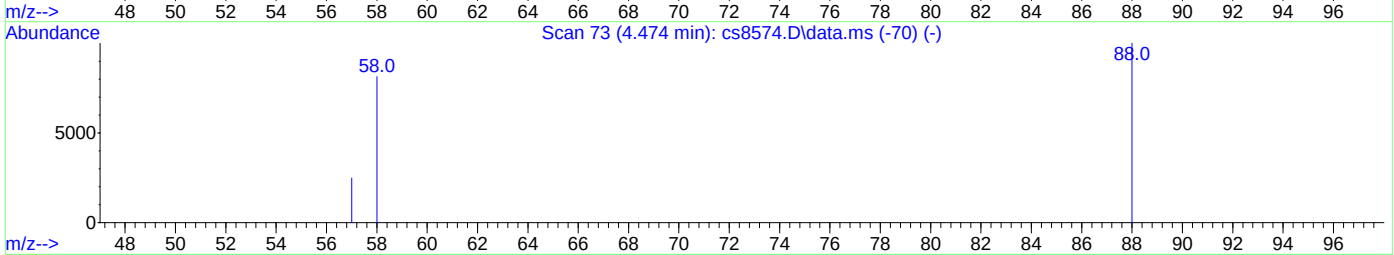
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\lorenat\Octubre\2025-10-20\ecs470\
Data File : cs9115.D
Acq On : 18 Oct 2025 03:43 pm
Operator : rocquans
Sample : cc446-0.2 Inst : GCMS_CS
Misc : op68079a,ecs470,250,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 20 18:03:38 2025
Quant Method : X:\Dayton SVOA GCMS\lorenat\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 18:02:46 2025
Response via : Initial Calibration







TIC: cs9115.D\data.ms

(2) 1,4-Dioxane (t)

4.168min (-0.016) 265.57ppb

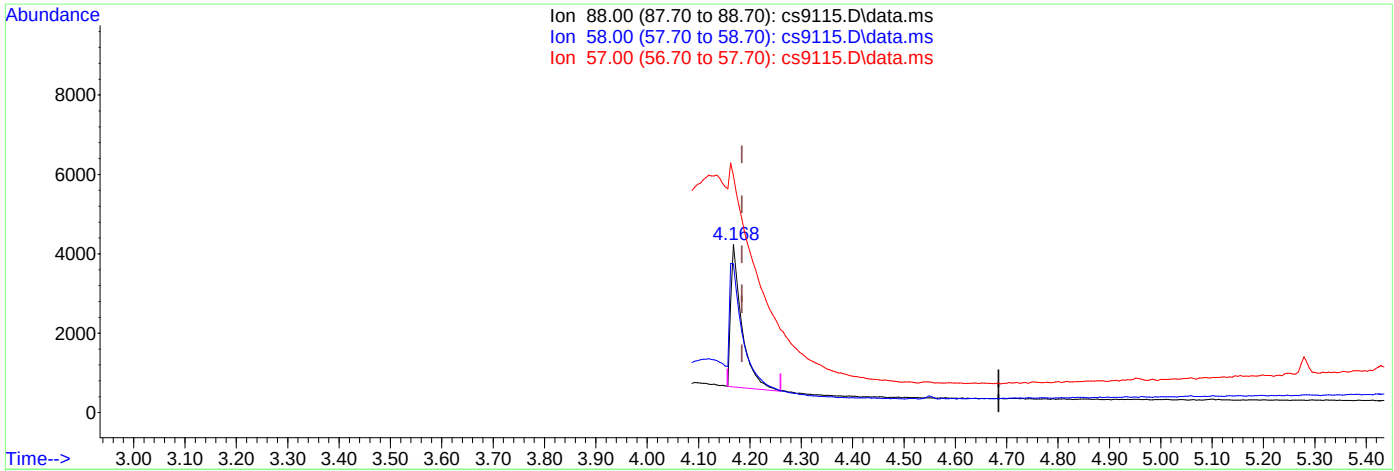
response 6092

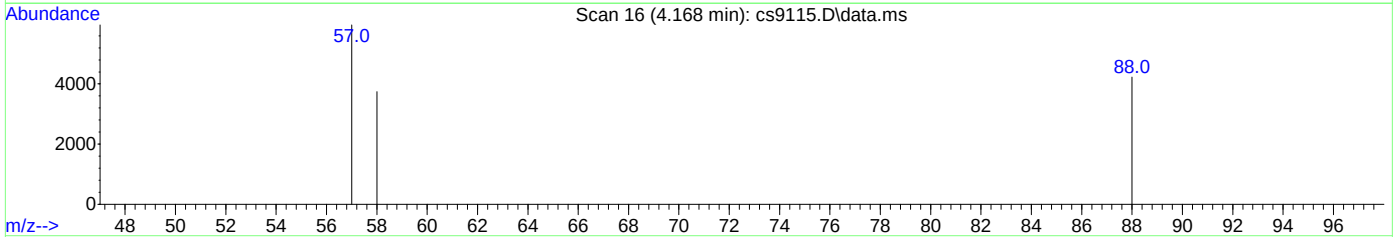
Ion	Exp%	Act%
88.00	100	100
58.00	82.10	80.01
57.00	27.30	64.33#
0.00	0.00	0.00

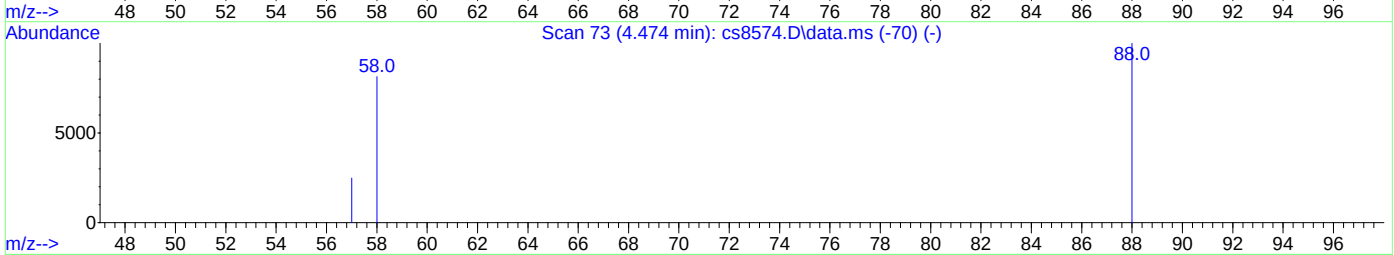
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\lorenat\Octubre\2025-10-20\ecs470\
Data File : cs9115.D
Acq On : 18 Oct 2025 03:43 pm
Operator : rocquans
Sample : cc446-0.2 Inst : GCMS_CS
Misc : op68079a,ecs470,250,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 20 18:03:38 2025
Quant Method : X:\Dayton SVOA GCMS\lorenat\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 18:02:46 2025
Response via : Initial Calibration







TIC: cs9115.D\data.ms

(2) 1,4-Dioxane (t)

4.168min (-0.016) 230.91ppb m

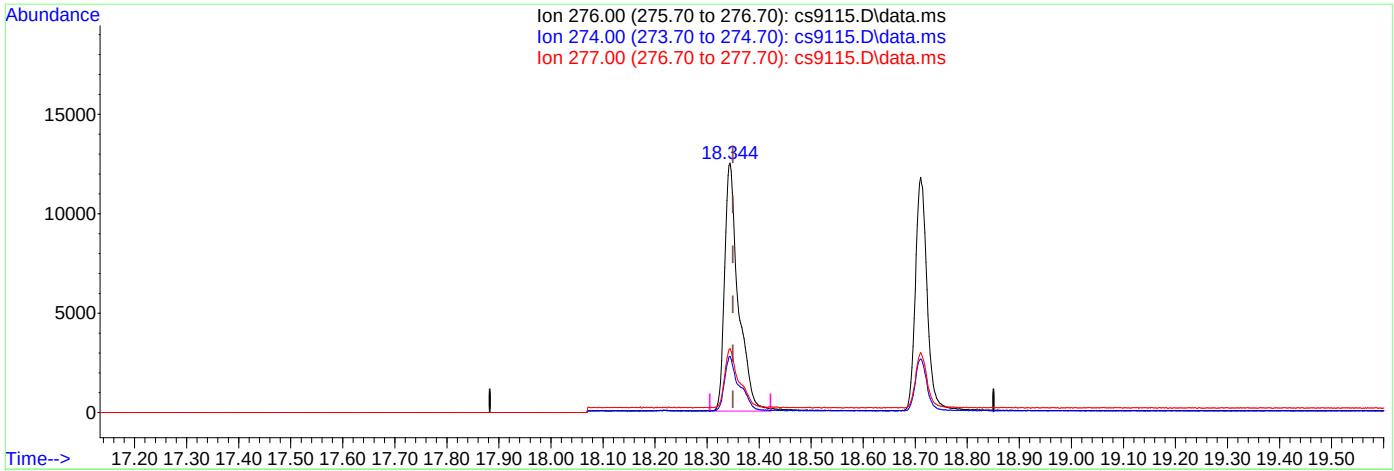
response 5297

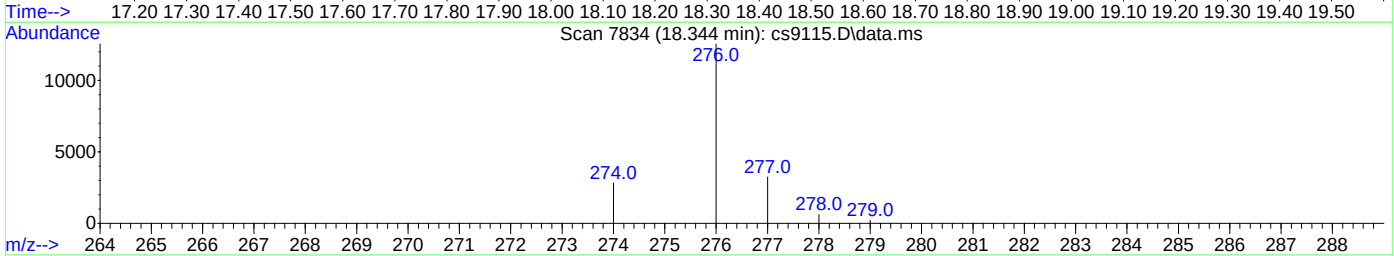
Ion	Exp%	Act%
88.00	100	100
58.00	82.10	88.51
57.00	27.30	141.07#
0.00	0.00	0.00

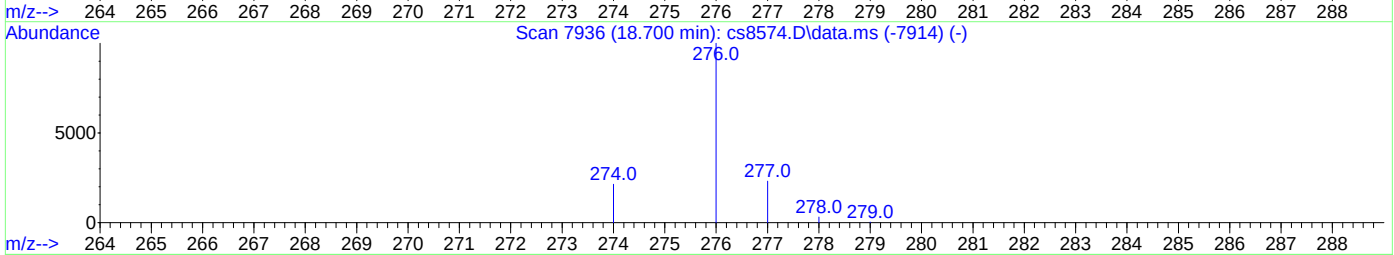
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\lorenat\Octubre\2025-10-20\ecs470\
Data File : cs9115.D
Acq On : 18 Oct 2025 03:43 pm
Operator : rocquans
Sample : cc446-0.2 Inst : GCMS_CS
Misc : op68079a,ecs470,250,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 20 18:03:38 2025
Quant Method : X:\Dayton SVOA GCMS\lorenat\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 18:02:46 2025
Response via : Initial Calibration







TIC: cs9115.D\data.ms

(32) Indeno[1,2,3-cd]pyrene (t)

18.344min (-0.006) 263.73ppb

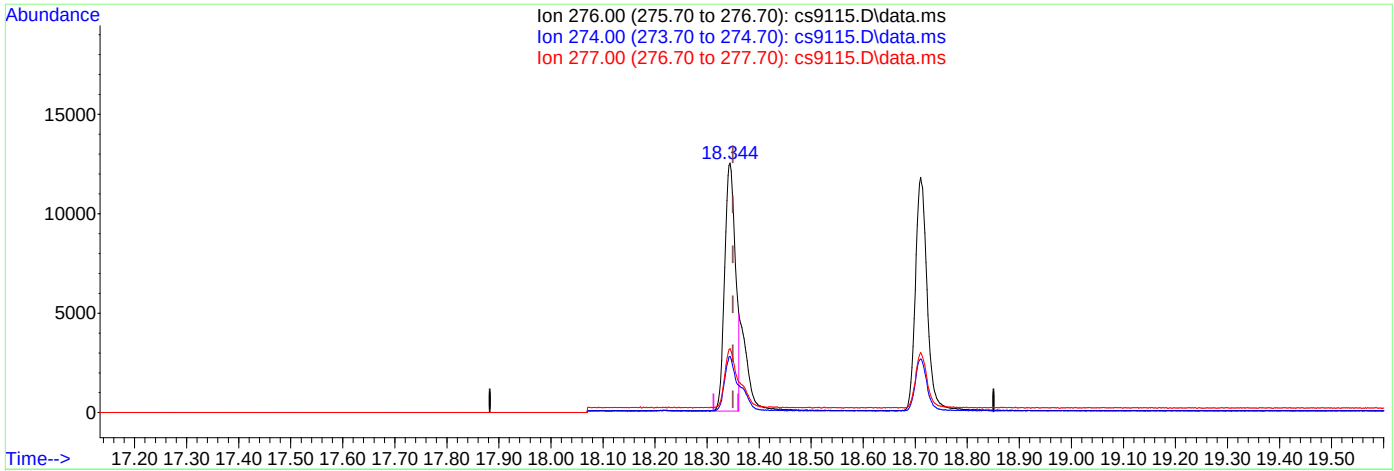
response 22806

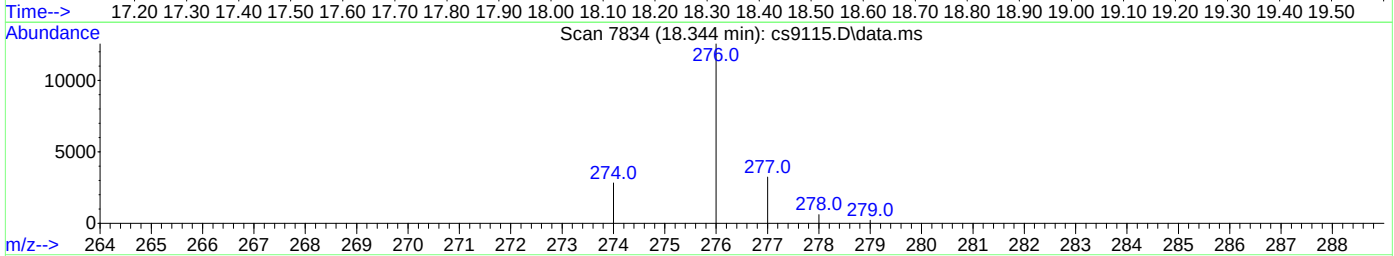
Ion	Exp%	Act%
276.00	100	100
274.00	21.90	21.96
277.00	24.10	23.79
0.00	0.00	0.00

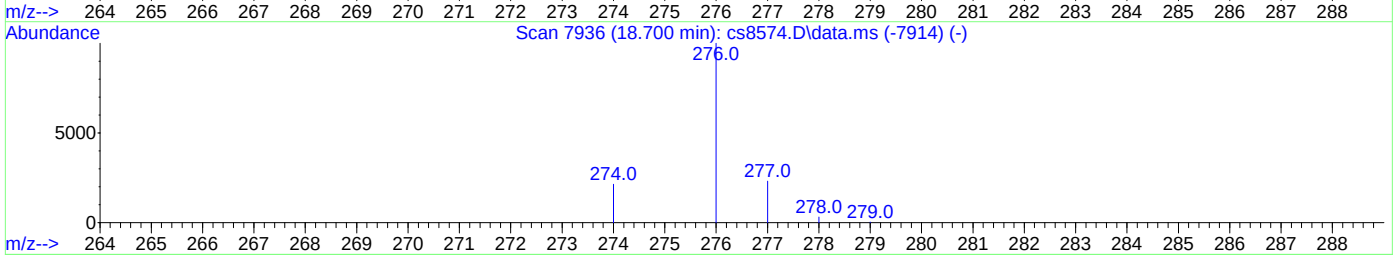
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\lorenat\Octubre\2025-10-20\ecs470\
Data File : cs9115.D
Acq On : 18 Oct 2025 03:43 pm
Operator : rocquans
Sample : cc446-0.2 Inst : GCMS_CS
Misc : op68079a,ecs470,250,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 20 18:03:38 2025
Quant Method : X:\Dayton SVOA GCMS\lorenat\Methods\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 18:02:46 2025
Response via : Initial Calibration







TIC: cs9115.D\data.ms

(32) Indeno[1,2,3-cd]pyrene (t)

18.344min (-0.006) 205.86ppb m

response 17802

Ion	Exp%	Act%
276.00	100	100
274.00	21.90	22.49
277.00	24.10	25.66
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\johanv\ecs475\
Data File : cs9243.D
Acq On : 24 Oct 2025 12:23 pm
Operator : alejanda
Sample : cc446-0.2 Inst : GCMS_CS
Misc : op68446c,ecs475,250,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 24 20:36:22 2025
Quant Method : X:\Dayton SVOA GCMS\johanv\ecs475\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Fri Oct 24 20:35:37 2025
Response via : Initial Calibration

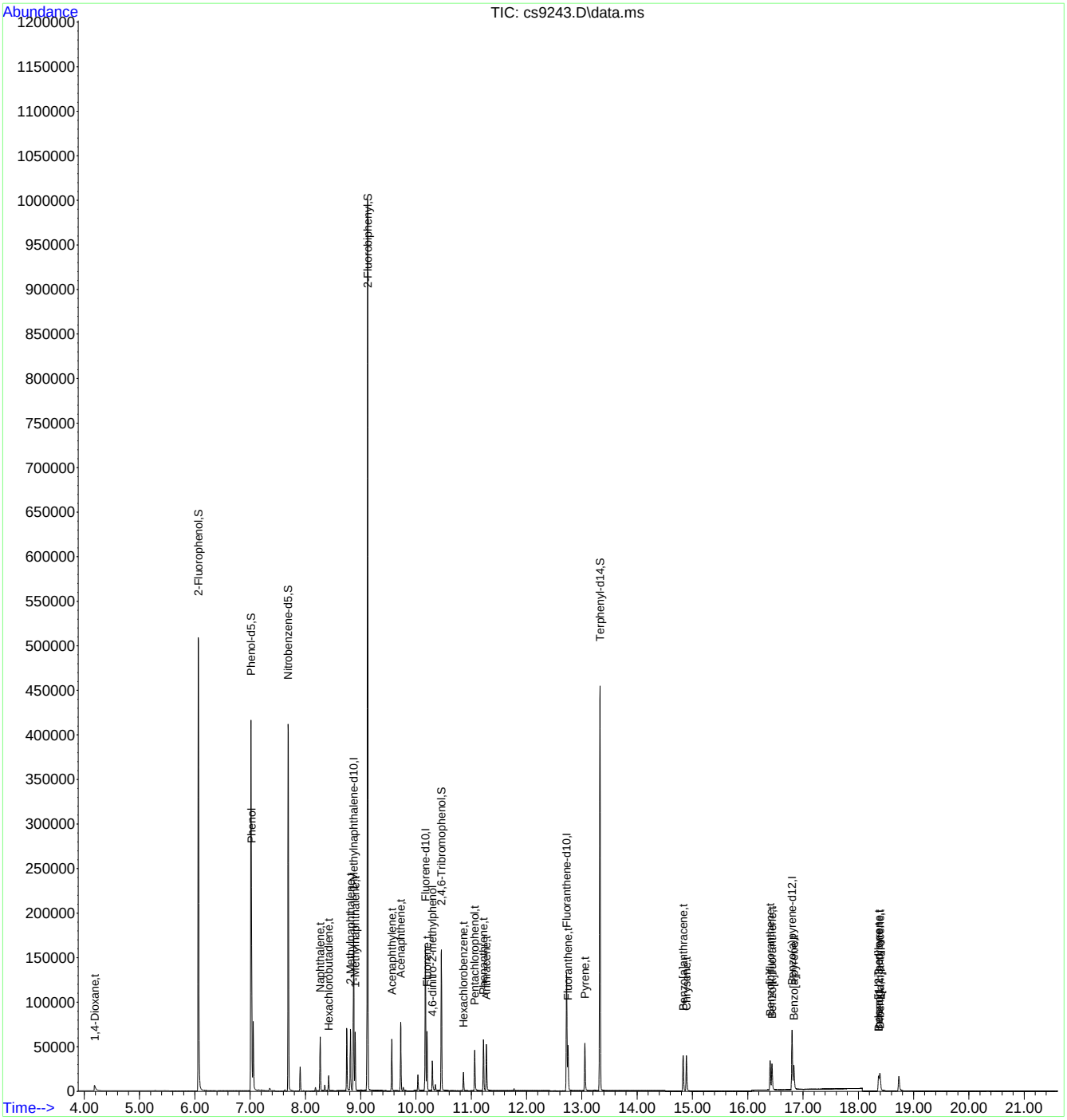
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	8.872	150	55622	800.00	ppb	0.00
11) Fluorene-d10	10.168	176	69395	800.00	ppb	0.00
18) Fluoranthene-d10	12.724	212	101806	800.00	ppb	0.00
28) Benzo(a)pyrene-d12	16.801	264	55967	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	6.065	112	251356	4716.28	ppb	0.00
Spiked Amount 10000.000			Recovery =	47.16%		
4) Phenol-d5	7.013	99	288217	4579.94	ppb	0.00
Spiked Amount 10000.000			Recovery =	45.80%		
6) Nitrobenzene-d5	7.687	82	227148	4374.30	ppb	0.00
Spiked Amount 10000.000			Recovery =	43.74%		
12) 2-Fluorobiphenyl	9.124	172	486822	4327.95	ppb	0.00
Spiked Amount 10000.000			Recovery =	43.28%		
17) 2,4,6-Tribromophenol	10.459	330	55841	4838.78	ppb	0.00
Spiked Amount 10000.000			Recovery =	48.39%		
25) Terphenyl-d14	13.328	244	320419	4387.51	ppb	0.00
Spiked Amount 10000.000			Recovery =	43.88%		
Target Compounds						Qvalue
2) 1,4-Dioxane	4.188	88	6146	249.7733	ppb	95
5) Phenol	7.023	94	82991	1140.4395	ppb	97
7) Naphthalene	8.267	128	41503	207.8765	ppb	100
8) Hexachlorobutadiene	8.420	225	6104	208.7818	ppb	98
9) 2-Methylnaphthalene	8.814	141	22491	202.8461	ppb	99
10) 1-Methylnaphthalene	8.898	141	21573	204.4952	ppb	100
13) Acenaphthylene	9.562	152	36439	214.8361	ppb	99
14) Acenaphthene	9.724	153	24799	210.1265	ppb	99
15) Fluorene	10.197	166	27990	207.7503	ppb	99
16) 4,6-dinitro-2-methylph...	10.295	198	15727	1212.1120	ppb	99
19) Hexachlorobenzene	10.858	284	7463	214.9058	ppb	99
20) Pentachlorophenol	11.061	266	19122	1126.8994	ppb	100
21) Phenanthrene	11.220	178	38658	214.0940	ppb	99
22) Anthracene	11.273	178	37246	223.7019	ppb	99
23) Fluoranthene	12.749	202	40285	212.5399	ppb	100
24) Pyrene	13.053	202	40342	209.4937	ppb	99
26) Benzo[a]anthracene	14.831	228	29718	213.7268	ppb	100
27) Chrysene	14.891	228	29549	214.0925	ppb	99
29) Benzo[b]fluoranthene	16.404	252	24936	203.8798	ppb	100
30) Benzo[k]fluoranthene	16.439	252	24276	212.8476	ppb	99
31) Benzo[a]pyrene	16.833	252	23010	202.8906	ppb	99
32) Indeno[1,2,3-cd]pyrene	18.365	276	21716	242.7628	ppb	99
33) Dibenz[a,h]anthracene	18.392	278	17347	206.8540	ppb	94
34) Benzo[g,h,i]perylene	18.365	276	21716	243.5131	ppb	99

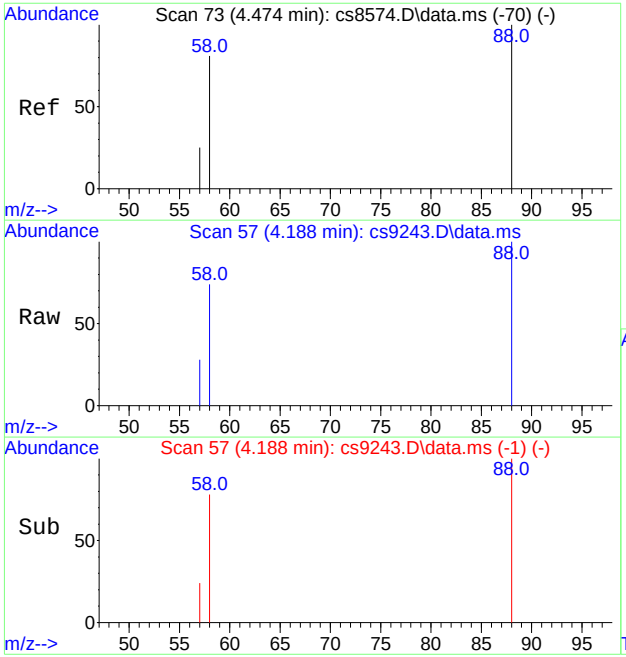
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\johanv\ecs475\
Data File : cs9243.D
Acq On : 24 Oct 2025 12:23 pm
Operator : alejanda
Sample : cc446-0.2 Inst : GCMS_CS
Misc : op68446c,ecs475,250,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 24 20:36:22 2025
Quant Method : X:\Dayton SVOA GCMS\johanv\ecs475\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Fri Oct 24 20:35:37 2025
Response via : Initial Calibration

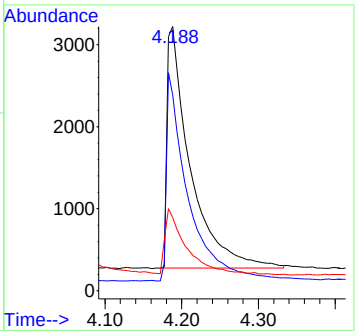


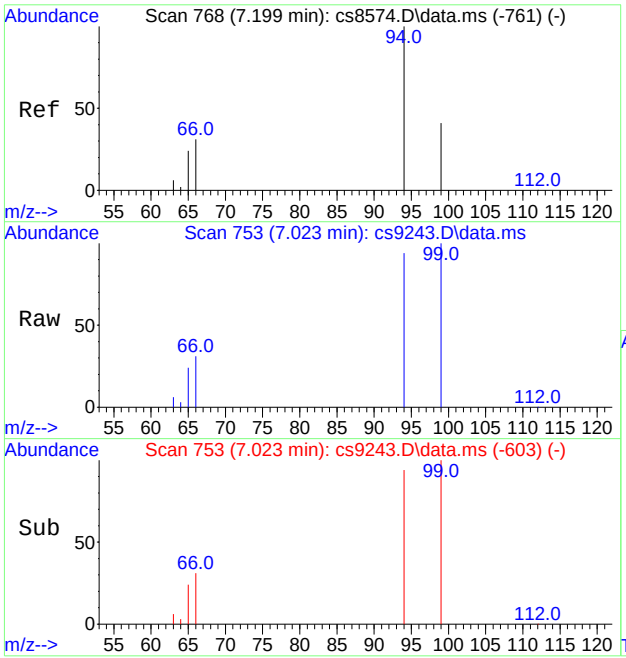


#2
1,4-Dioxane
Concen: 249.7733 ppb
RT: 4.188 min Scan# 57
Delta R.T. 0.000 min
Lab File: cs9243.D
Acq: 24 Oct 2025 12:23 pm

Tgt Ion: 88 Resp: 6146

Ion	Ratio	Lower	Upper
88	100		
58	76.7	61.3	101.3
57	23.4	4.8	44.8

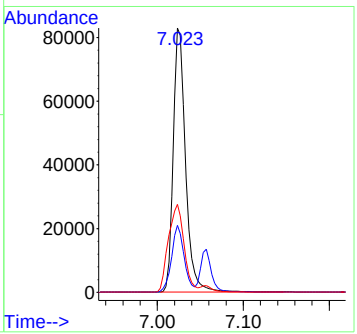


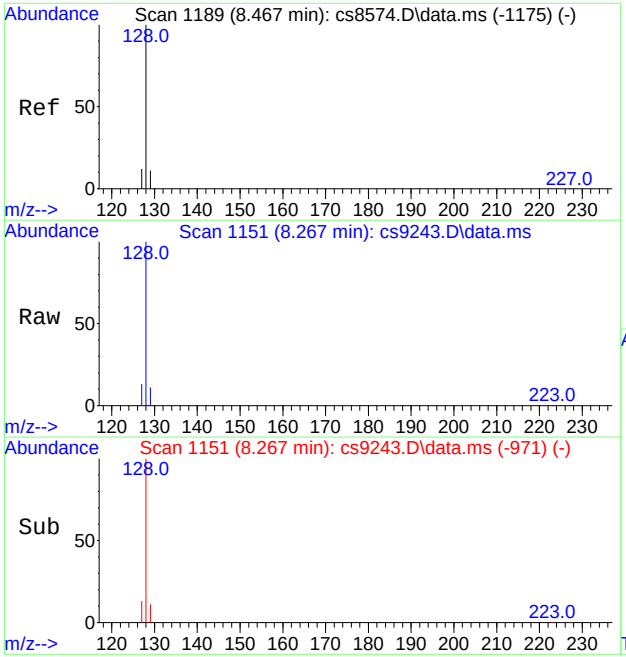


#5
Phenol
Concen: 1140.4395 ppb
RT: 7.023 min Scan# 753
Delta R.T. 0.000 min
Lab File: cs9243.D
Acq: 24 Oct 2025 12:23 pm

Tgt Ion: 94 Resp: 82991

Ion	Ratio	Lower	Upper
94	100		
65	25.1	19.1	28.7
66	32.5	24.6	37.0

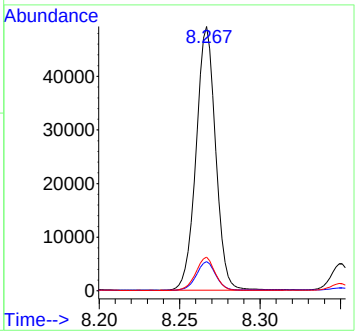


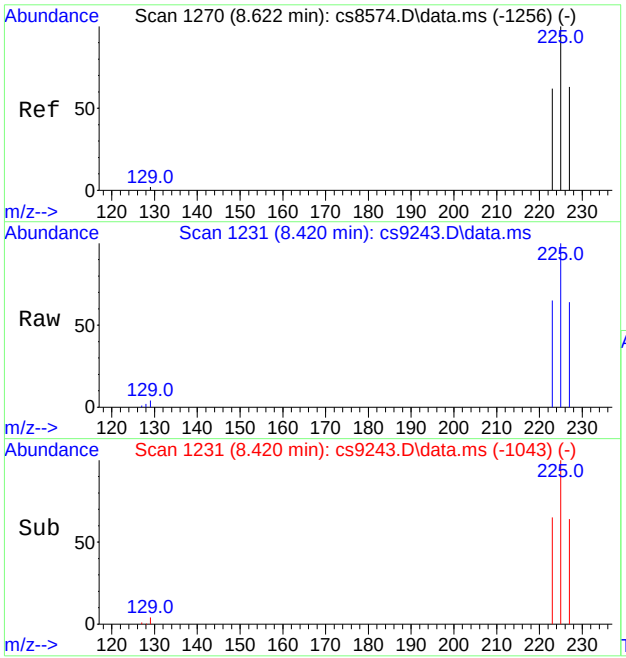


#7
Naphthalene
Concen: 207.8765 ppb
RT: 8.267 min Scan# 1151
Delta R.T. 0.000 min
Lab File: cs9243.D
Acq: 24 Oct 2025 12:23 pm

Tgt Ion:128 Resp: 41503

Ion	Ratio	Lower	Upper
128	100		
129	10.8	0.0	40.8
127	12.6	0.0	42.4

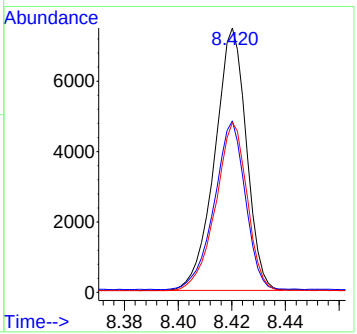


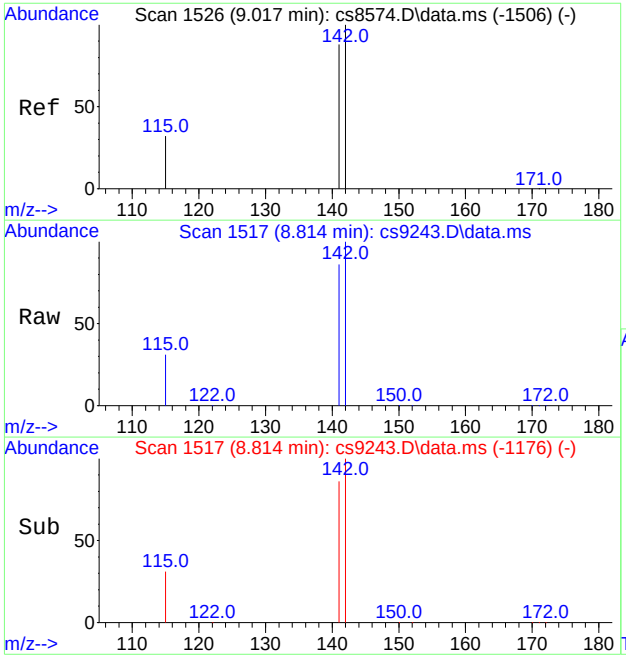


#8
Hexachlorobutadiene
Concen: 208.7818 ppb
RT: 8.420 min Scan# 1231
Delta R.T. 0.000 min
Lab File: cs9243.D
Acq: 24 Oct 2025 12:23 pm

Tgt Ion:225 Resp: 6104

Ion	Ratio	Lower	Upper
225	100		
223	64.2	31.9	91.9
227	64.1	32.6	92.6

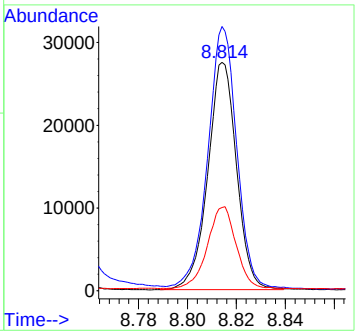


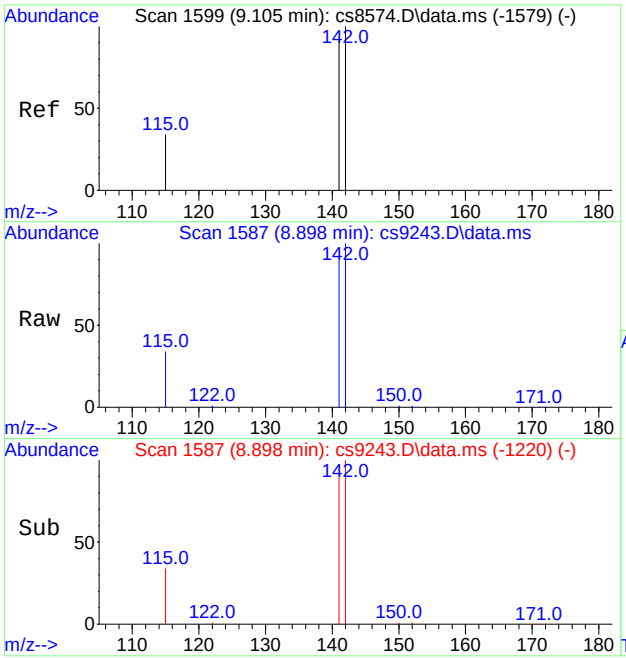


#9
2-Methylnaphthalene
Concen: 202.8461 ppb
RT: 8.814 min Scan# 1517
Delta R.T. 0.000 min
Lab File: cs9243.D
Acq: 24 Oct 2025 12:23 pm

Tgt Ion:141 Resp: 22491

Ion	Ratio	Lower	Upper
141	100		
142	114.8	83.0	143.0
115	35.6	5.9	65.9

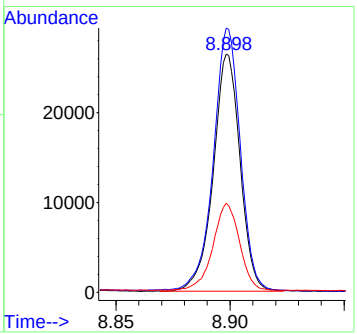


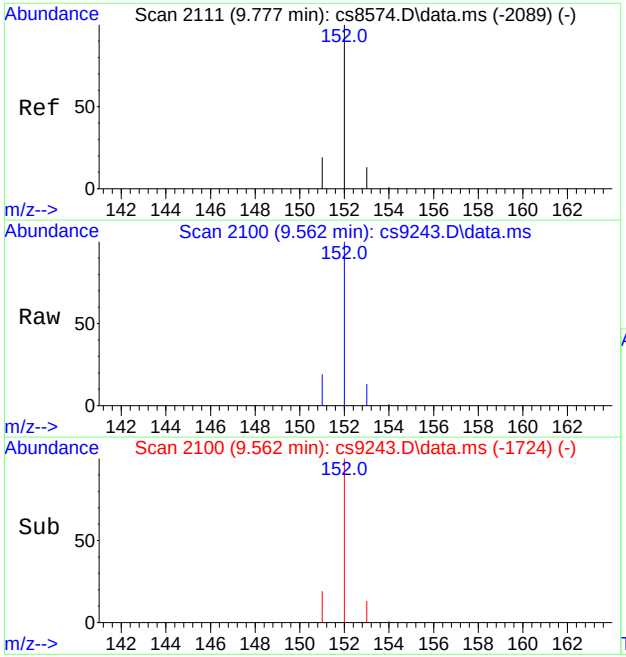


#10
1-Methylnaphthalene
Concen: 204.4952 ppb
RT: 8.898 min Scan# 1587
Delta R.T. 0.000 min
Lab File: cs9243.D
Acq: 24 Oct 2025 12:23 pm

Tgt Ion:141 Resp: 21573

Ion	Ratio	Lower	Upper
141	100		
142	110.5	80.5	140.5
115	36.7	7.1	67.1

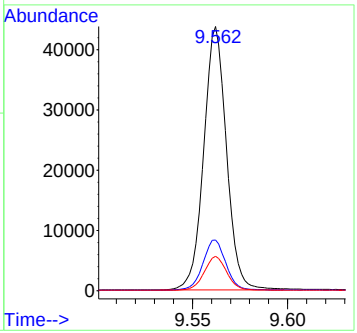


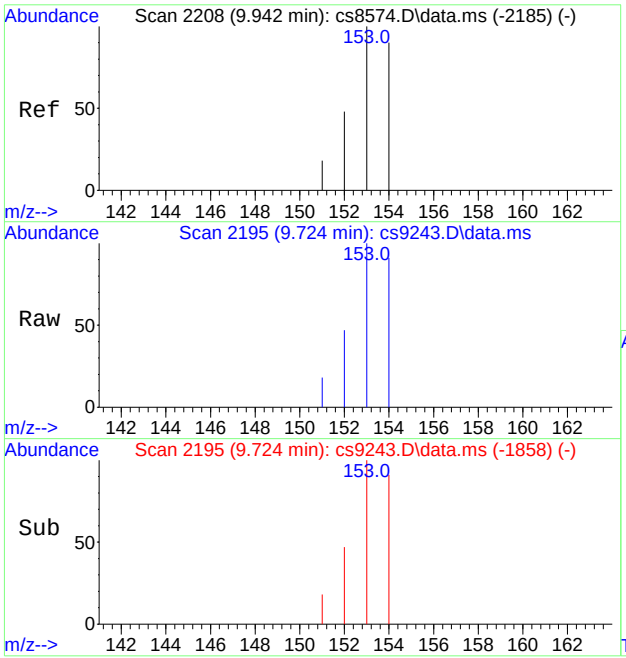


#13
Acenaphthylene
Concen: 214.8361 ppb
RT: 9.562 min Scan# 2100
Delta R.T. -0.001 min
Lab File: cs9243.D
Acq: 24 Oct 2025 12:23 pm

Tgt Ion:152 Resp: 36439

Ion	Ratio	Lower	Upper
152	100		
151	19.1	0.0	49.3
153	12.9	0.0	42.7

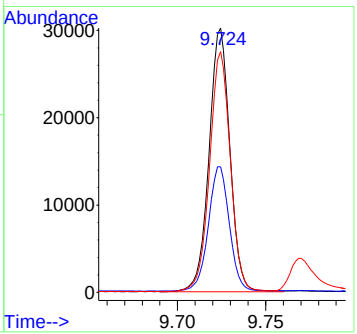


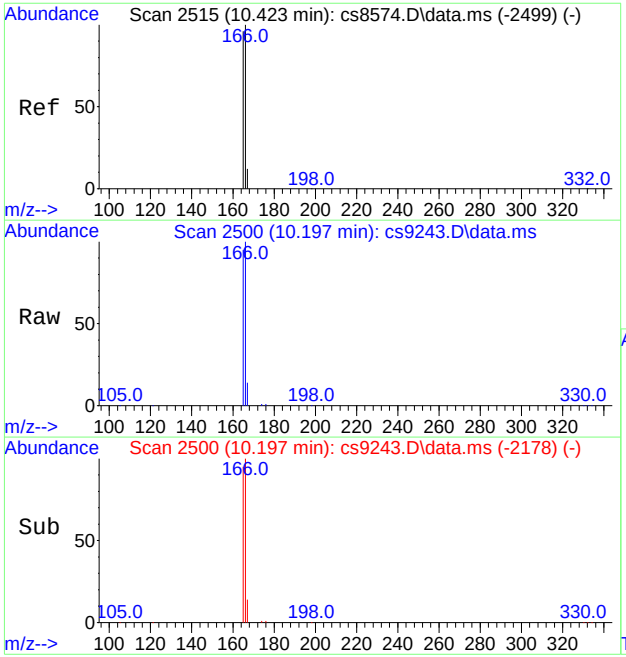


#14
Acenaphthene
Concen: 210.1265 ppb
RT: 9.724 min Scan# 2195
Delta R.T. 0.000 min
Lab File: cs9243.D
Acq: 24 Oct 2025 12:23 pm

Tgt Ion:153 Resp: 24799

Ion	Ratio	Lower	Upper
153	100		
152	47.1	17.7	77.7
154	89.9	59.5	119.5

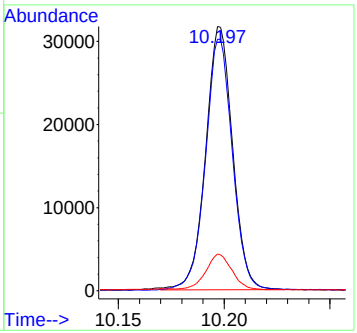


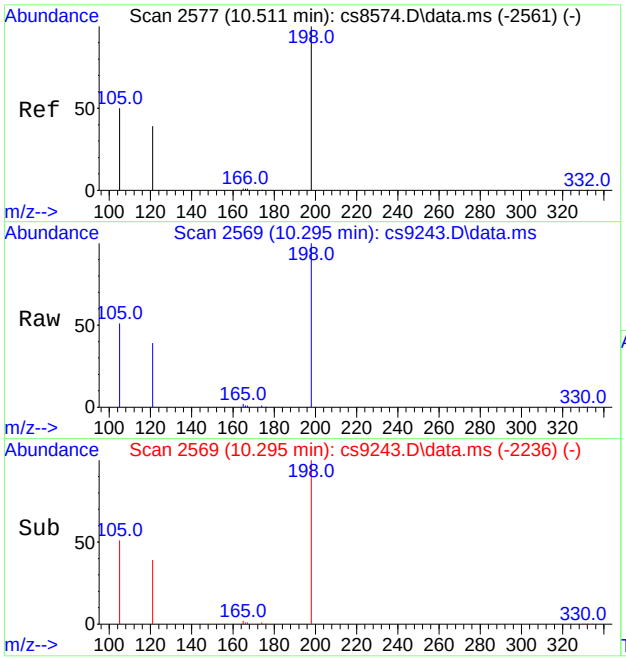


#15
Fluorene
Concen: 207.7503 ppb
RT: 10.197 min Scan# 2500
Delta R.T. 0.002 min
Lab File: cs9243.D
Acq: 24 Oct 2025 12:23 pm

Tgt Ion:166 Resp: 27990

Ion	Ratio	Lower	Upper
166	100		
165	95.4	65.7	125.7
167	13.4	0.0	42.4

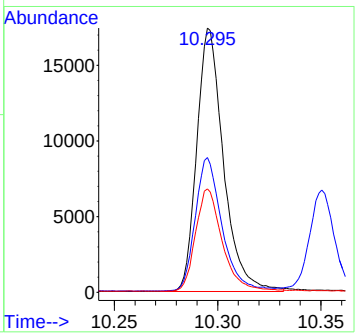


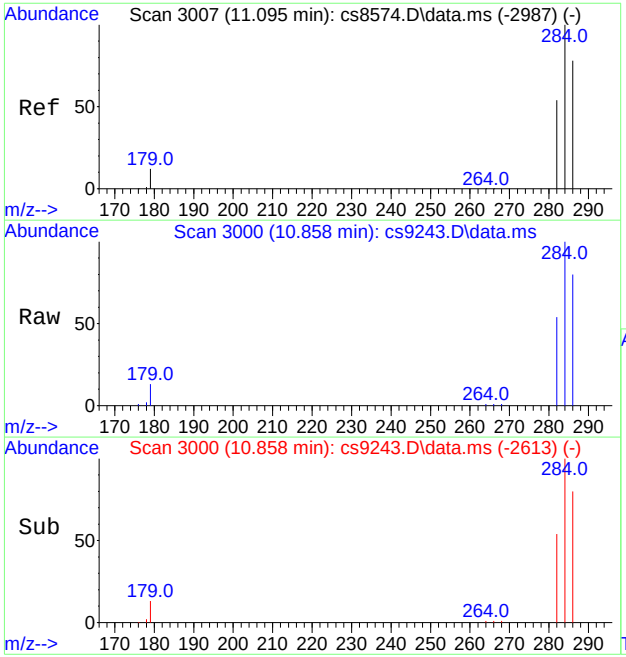


#16
4,6-dinitro-2-methylphenol
Concen: 1212.1120 ppb
RT: 10.295 min Scan# 2569
Delta R.T. 0.000 min
Lab File: cs9243.D
Acq: 24 Oct 2025 12:23 pm

Tgt Ion:198 Resp: 15727

Ion	Ratio	Lower	Upper
198	100		
105	50.3	30.1	70.1
121	38.8	19.4	59.4

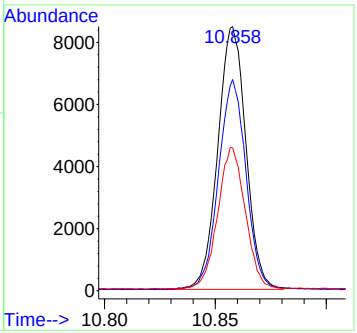


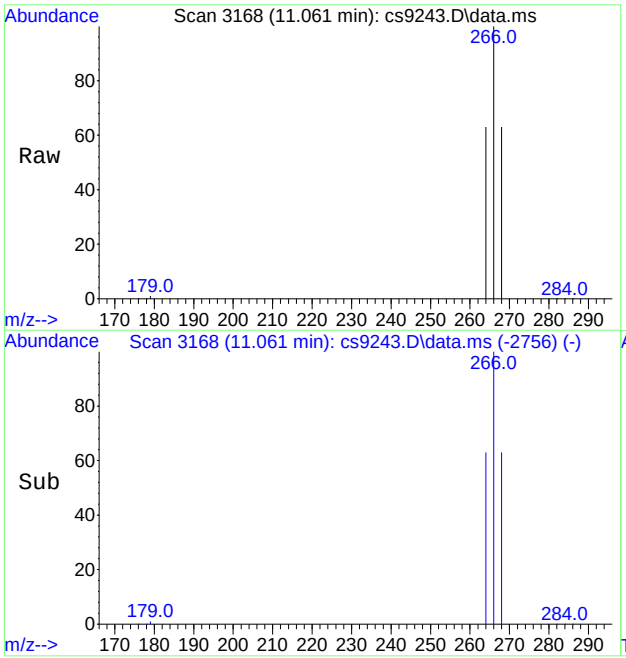


#19
Hexachlorobenzene
Concen: 214.9058 ppb
RT: 10.858 min Scan# 3000
Delta R.T. 0.000 min
Lab File: cs9243.D
Acq: 24 Oct 2025 12:23 pm

Tgt Ion:284 Resp: 7463

Ion	Ratio	Lower	Upper
284	100		
286	79.7	48.0	108.0
282	53.7	23.8	83.8

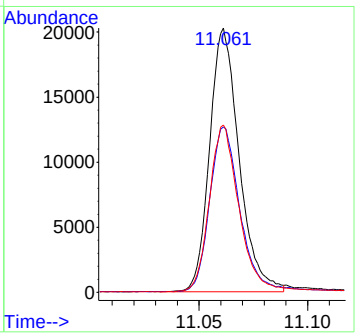


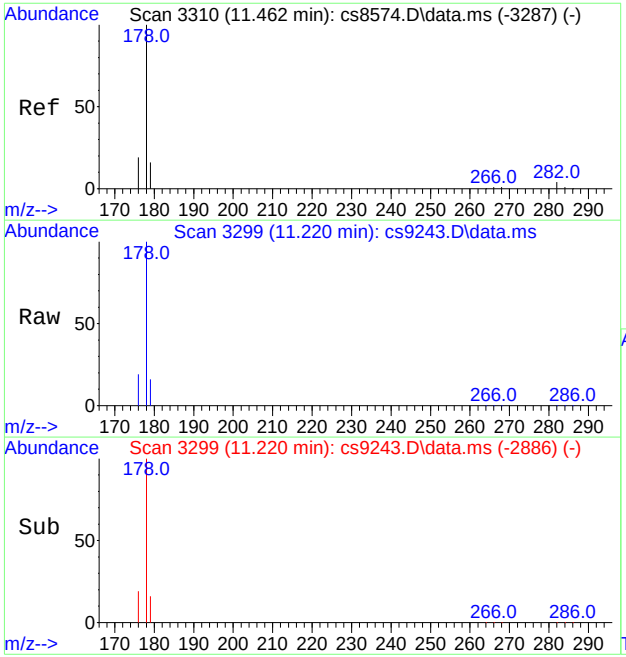


#20
Pentachlorophenol
Concen: 1126.8994 ppb
RT: 11.061 min Scan# 3168
Delta R.T. 0.000 min
Lab File: cs9243.D
Acq: 24 Oct 2025 12:23 pm

Tgt Ion:266 Resp: 19122

Ion	Ratio	Lower	Upper
266	100		
268	62.9	42.5	82.5
264	63.2	43.3	83.3

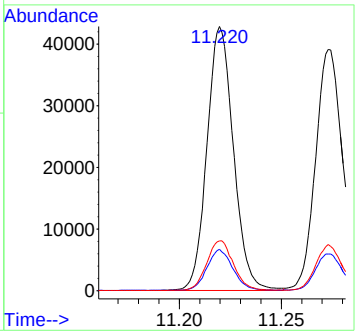


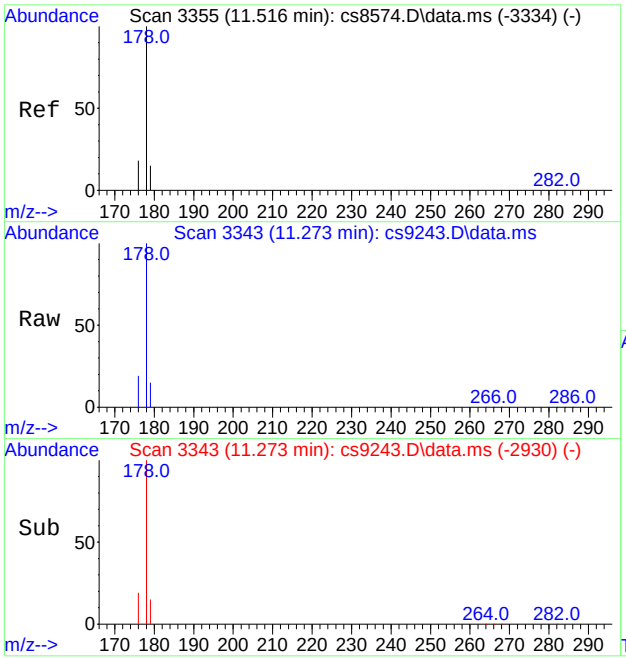


#21
Phenanthrene
Concen: 214.0940 ppb
RT: 11.220 min Scan# 3299
Delta R.T. 0.000 min
Lab File: cs9243.D
Acq: 24 Oct 2025 12:23 pm

Tgt Ion:178 Resp: 38658

Ion	Ratio	Lower	Upper
178	100		
179	15.5	0.0	45.8
176	18.8	0.0	49.2

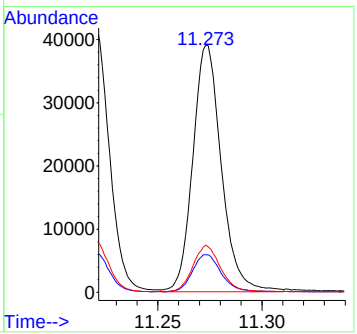


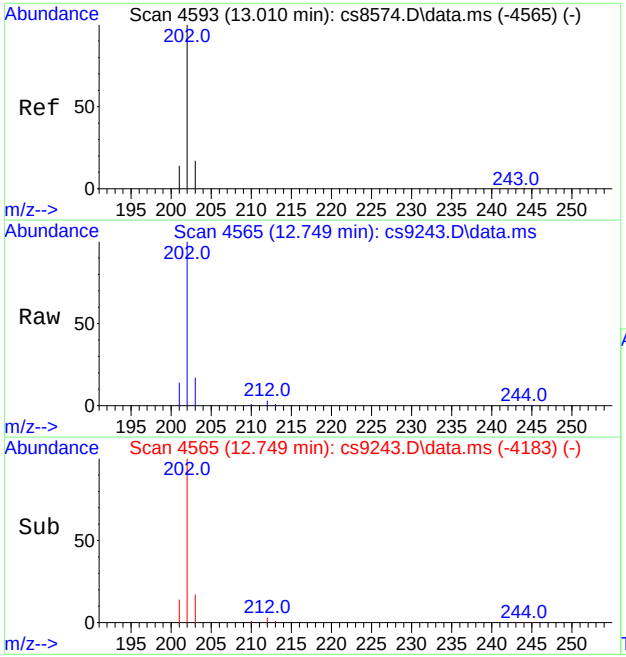


#22
Anthracene
Concen: 223.7019 ppb
RT: 11.273 min Scan# 3343
Delta R.T. 0.000 min
Lab File: cs9243.D
Acq: 24 Oct 2025 12:23 pm

Tgt Ion:178 Resp: 37246

Ion	Ratio	Lower	Upper
178	100		
179	15.1	0.0	45.2
176	19.1	0.0	48.4

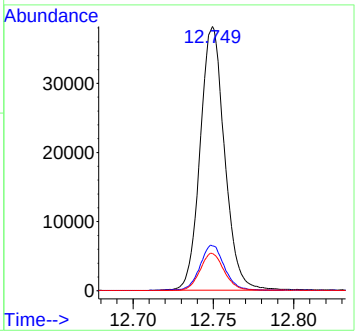


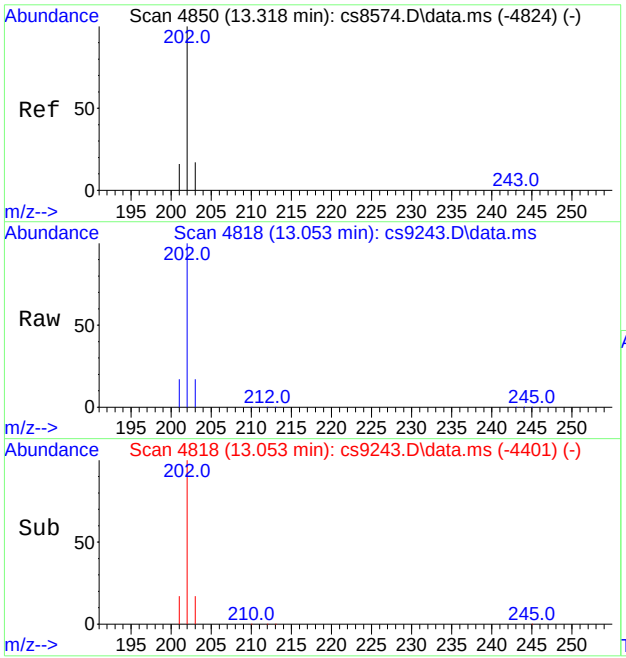


#23
Fluoranthene
Concen: 212.5399 ppb
RT: 12.749 min Scan# 4565
Delta R.T. 0.000 min
Lab File: cs9243.D
Acq: 24 Oct 2025 12:23 pm

Tgt Ion:202 Resp: 40285

Ion	Ratio	Lower	Upper
202	100		
203	16.9	0.0	47.2
201	14.0	0.0	44.0

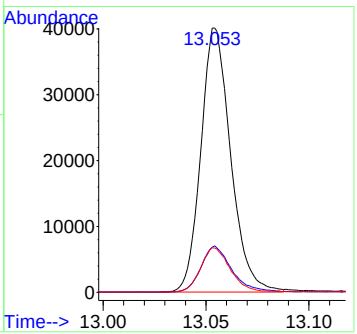


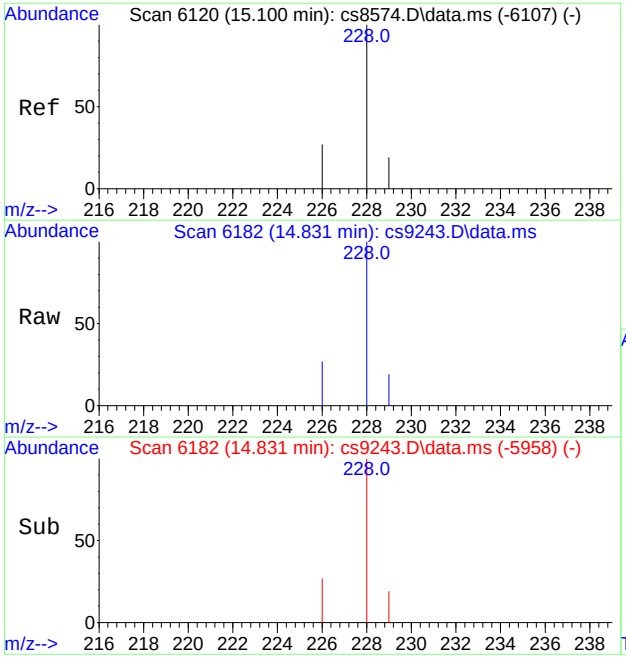


#24
Pyrene
Concen: 209.4937 ppb
RT: 13.053 min Scan# 4818
Delta R.T. 0.000 min
Lab File: cs9243.D
Acq: 24 Oct 2025 12:23 pm

Tgt Ion:202 Resp: 40342

Ion	Ratio	Lower	Upper
202	100		
203	17.0	0.0	47.2
201	16.7	0.0	46.4

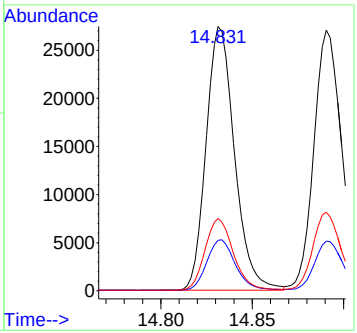


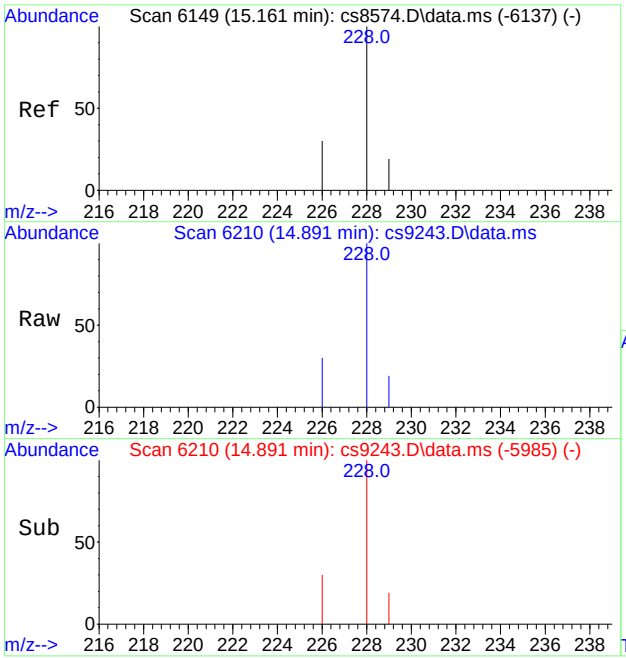


#26
Benzo[a]anthracene
Concen: 213.7268 ppb
RT: 14.831 min Scan# 6182
Delta R.T. 0.000 min
Lab File: cs9243.D
Acq: 24 Oct 2025 12:23 pm

Tgt Ion:228 Resp: 29718

Ion	Ratio	Lower	Upper
228	100		
229	19.0	0.0	49.1
226	27.2	0.0	57.0

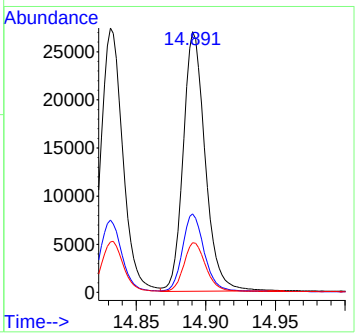


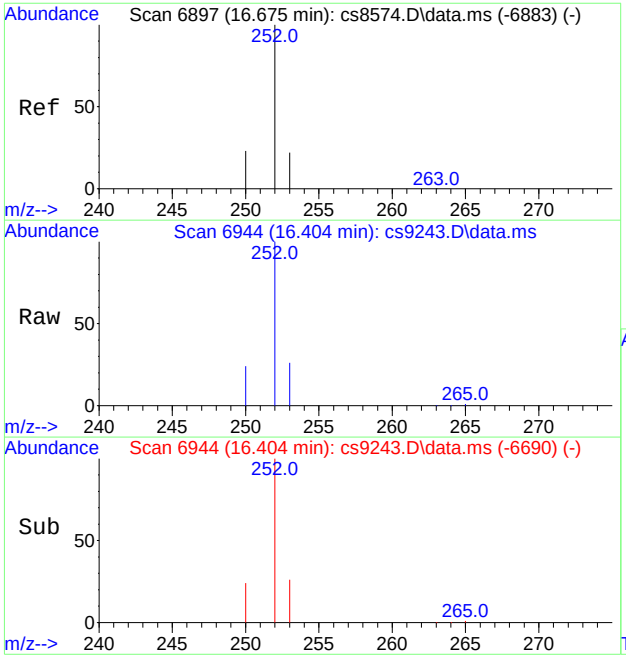


#27
Chrysene
Concen: 214.0925 ppb
RT: 14.891 min Scan# 6210
Delta R.T. 0.000 min
Lab File: cs9243.D
Acq: 24 Oct 2025 12:23 pm

Tgt Ion:228 Resp: 29549

Ion	Ratio	Lower	Upper
228	100		
226	30.0	0.0	59.6
229	18.8	0.0	49.1

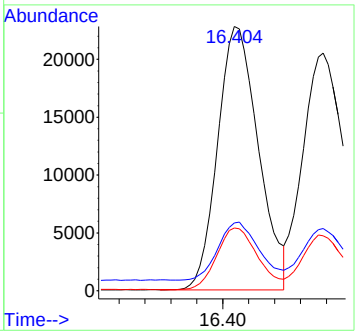


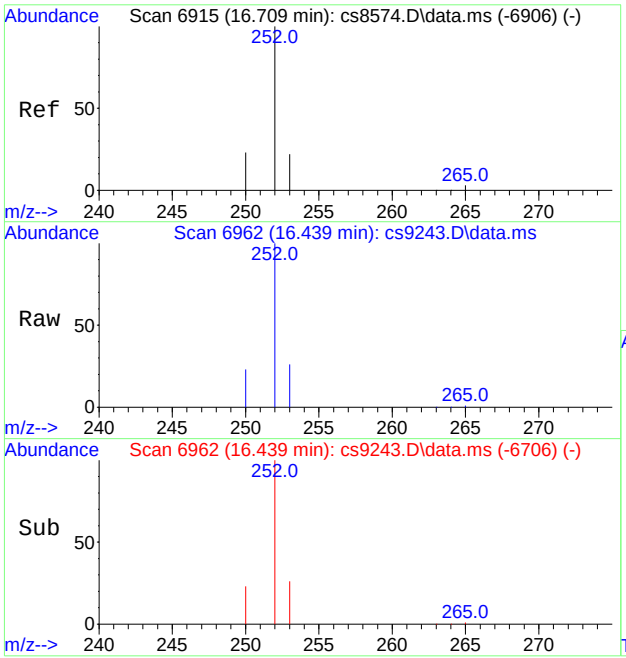


#29
Benzo[b]fluoranthene
Concen: 203.8798 ppb
RT: 16.404 min Scan# 6944
Delta R.T. -0.001 min
Lab File: cs9243.D
Acq: 24 Oct 2025 12:23 pm

Tgt Ion:252 Resp: 24936

Ion	Ratio	Lower	Upper
252	100		
253	21.5	0.0	51.5
250	23.3	0.0	53.4

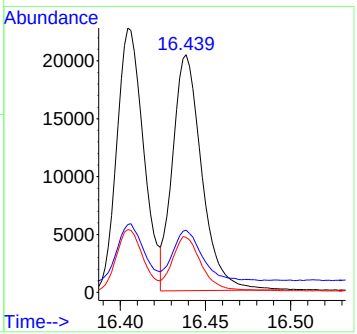


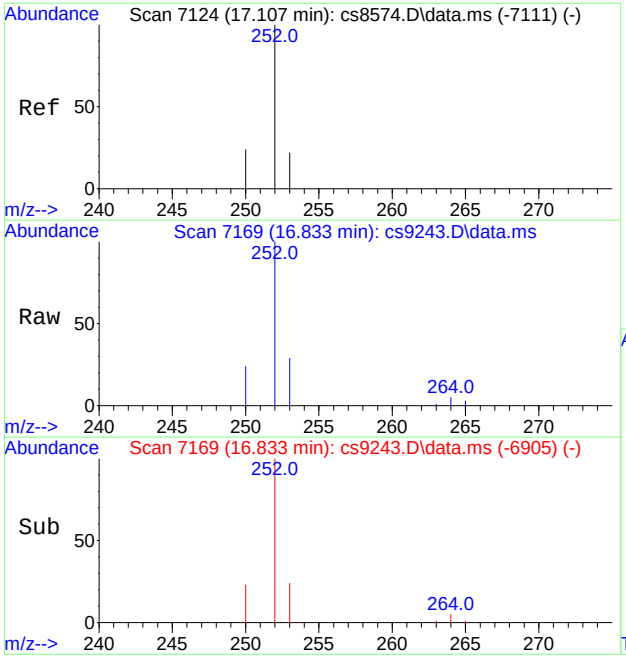


#30
Benzo[k]fluoranthene
Concen: 212.8476 ppb
RT: 16.439 min Scan# 6962
Delta R.T. 0.000 min
Lab File: cs9243.D
Acq: 24 Oct 2025 12:23 pm

Tgt Ion:252 Resp: 24276

Ion	Ratio	Lower	Upper
252	100		
253	21.5	0.0	51.3
250	22.6	0.0	53.2

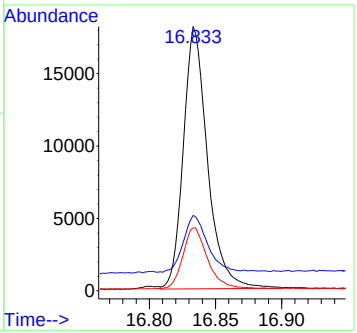


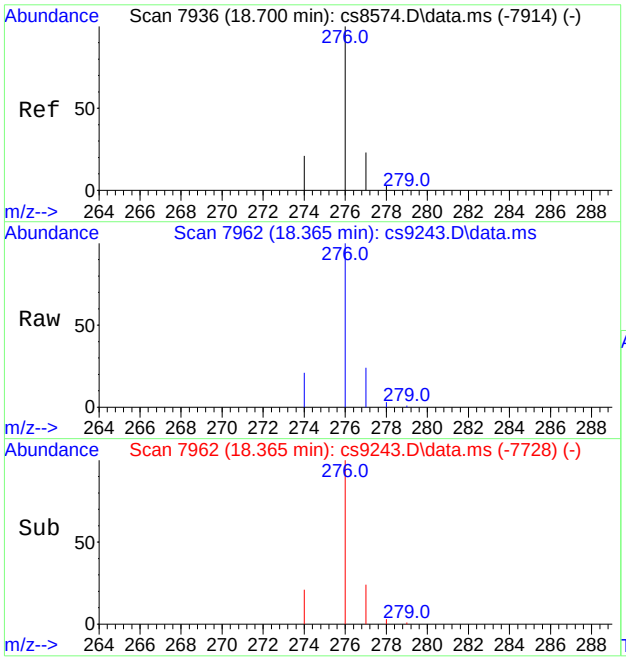


#31
Benzo[a]pyrene
Concen: 202.8906 ppb
RT: 16.833 min Scan# 7169
Delta R.T. 0.003 min
Lab File: cs9243.D
Acq: 24 Oct 2025 12:23 pm

Tgt Ion:252 Resp: 23010

Ion	Ratio	Lower	Upper
252	100		
253	21.5	0.0	51.3
250	23.1	0.0	53.7

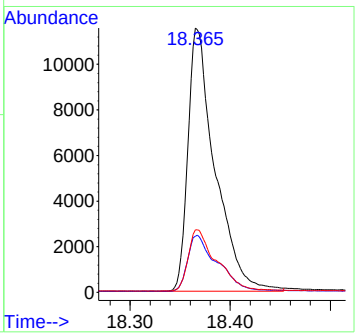


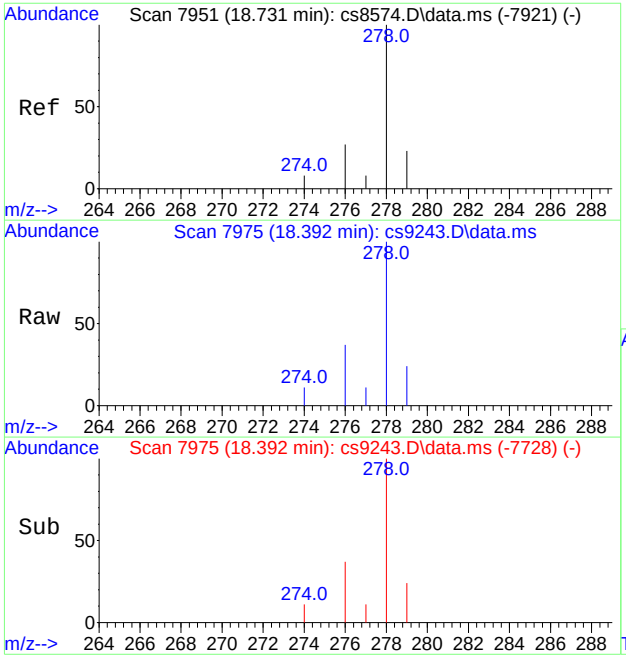


#32
Indeno[1,2,3-cd]pyrene
Concen: 242.7628 ppb
RT: 18.365 min Scan# 7962
Delta R.T. 0.000 min
Lab File: cs9243.D
Acq: 24 Oct 2025 12:23 pm

Tgt Ion:276 Resp: 21716

Ion	Ratio	Lower	Upper
276	100		
274	20.8	0.0	51.3
277	23.2	0.0	53.0

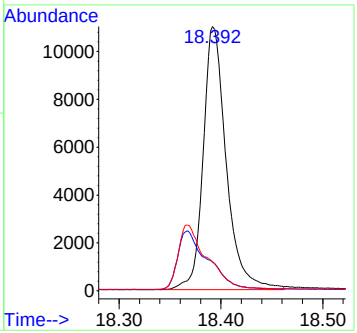


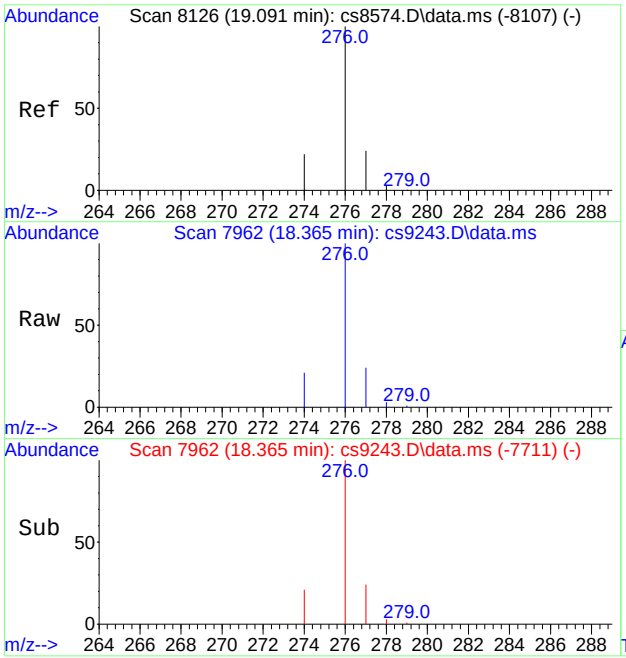


#33
Dibenz[a,h]anthracene
Concen: 206.8540 ppb
RT: 18.392 min Scan# 7975
Delta R.T. 0.000 min
Lab File: cs9243.D
Acq: 24 Oct 2025 12:23 pm

Tgt Ion:278 Resp: 17347

Ion	Ratio	Lower	Upper
278	100		
274	10.3	0.0	38.4
277	10.4	0.0	37.8

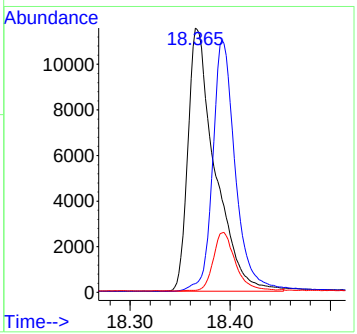




#34
Benzo[g,h,i]perylene
Concen: 243.5131 ppb
RT: 18.365 min Scan# 7962
Delta R.T. 0.000 min
Lab File: cs9243.D
Acq: 24 Oct 2025 12:23 pm

Tgt Ion:276 Resp: 21716

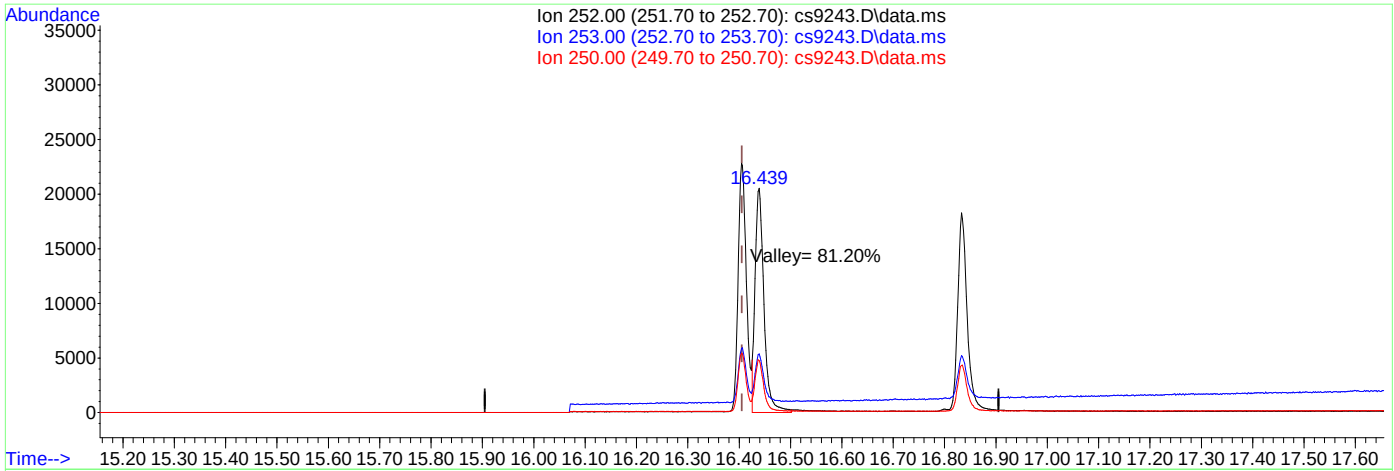
Ion	Ratio	Lower	Upper
276	100		
278	2.2	0.0	32.6
279	0.1	0.0	30.3

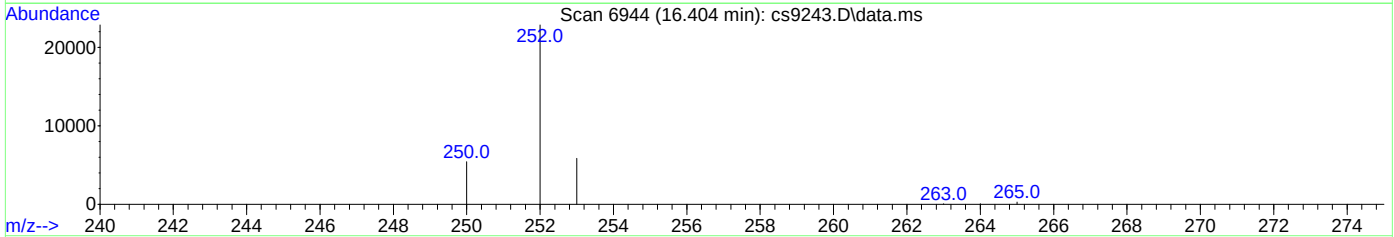


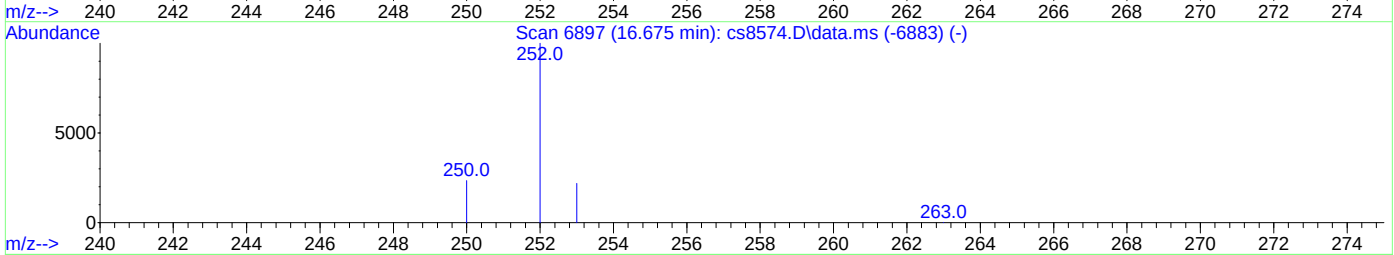
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\johanv\ecs475\
Data File : cs9243.D
Acq On : 24 Oct 2025 12:23 pm
Operator : alejanda
Sample : cc446-0.2 Inst : GCMS_CS
Misc : op68446c,ecs475,250,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 24 20:36:22 2025
Quant Method : X:\Dayton SVOA GCMS\johanv\ecs475\mcs446SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Fri Oct 24 20:35:37 2025
Response via : Initial Calibration







TIC: cs9243.D\data.ms

(29) Benzo[b]fluoranthene (t)

16.404min (-0.001) 203.88ppb

response 24936

Ion	Exp%	Act%
252.00	100	100
253.00	21.50	21.54
250.00	23.40	23.33
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175453.D
Acq On : 10 Sep 2025 12:13 pm
Operator : rocquans
Sample : ic8654-0.002
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 11 11:46:18 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration

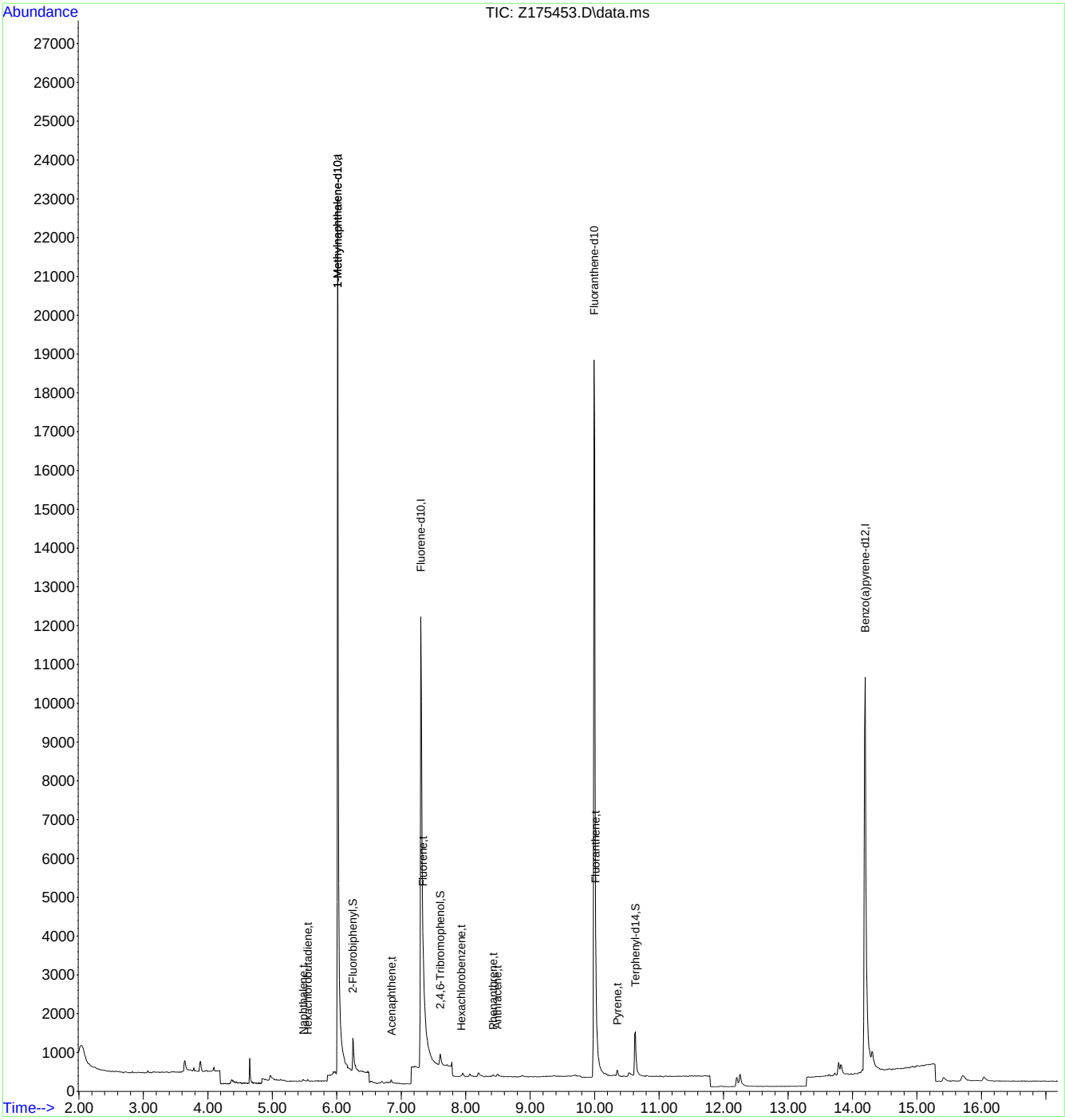
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1-Methylnaphthalene-d10	6.011	150	10890	800.00	ppb		0.00
12) Fluorene-d10	7.302	176	14122	800.00	ppb		0.00
19) Fluoranthene-d10	9.992	212	24099	800.00	ppb		0.00
29) Benzo(a)pyrene-d12	14.198	264	17008	800.00	ppb		0.00
36) 1-Methylnaphthalene-d10a	6.011	150	10983m	800.00	ppb		-0.08
System Monitoring Compounds							
3) 2-Fluorophenol	0.000	112	0d	0.00	ppb		
Spiked Amount 10000.000			Recovery =	0.00%			
4) Phenol-d5	0.000	99	0d	0.00	ppb		
Spiked Amount 10000.000			Recovery =	0.00%			
6) Nitrobenzene-d5	0.000	82	0d	0.00	ppb		
Spiked Amount 10000.000			Recovery =	0.00%			
13) 2-Fluorobiphenyl	6.250	172	794	37.98	ppb		0.00
Spiked Amount 10000.000			Recovery =	0.38%			
18) 2,4,6-Tribromophenol	7.606	330	151	40.48	ppb		0.02
Spiked Amount 10000.000			Recovery =	0.40%			
26) Terphenyl-d14	10.632	244	1453	67.72	ppb		0.02
Spiked Amount 10000.000			Recovery =	0.68%			
Target Compounds							Qvalue
7) Naphthalene	5.478	128	52	1.67	ppb		84
8) Hexachlorobutadiene	5.550	225	17	2.06	ppb		91
15) Acenaphthene	6.849	153	46	2.16	ppb		78
16) Fluorene	7.334	166	59	2.41	ppb	#	47
20) Hexachlorobenzene	7.930	284	25	2.88	ppb		75
22) Phenanthrene	8.426	178	72	2.36	ppb		91
23) Anthracene	8.494	178	104	2.75	ppb		91
24) Fluoranthene	10.016	202	182	5.01	ppb		94
25) Pyrene	10.353	202	190	4.97	ppb		97

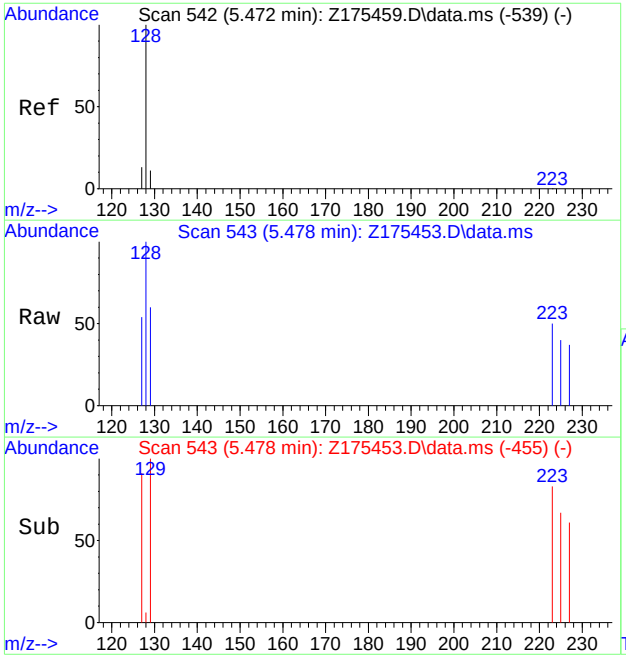
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175453.D
Acq On : 10 Sep 2025 12:13 pm
Operator : rocquans
Sample : ic8654-0.002
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 11 11:46:18 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration

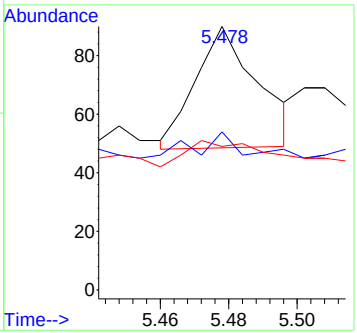


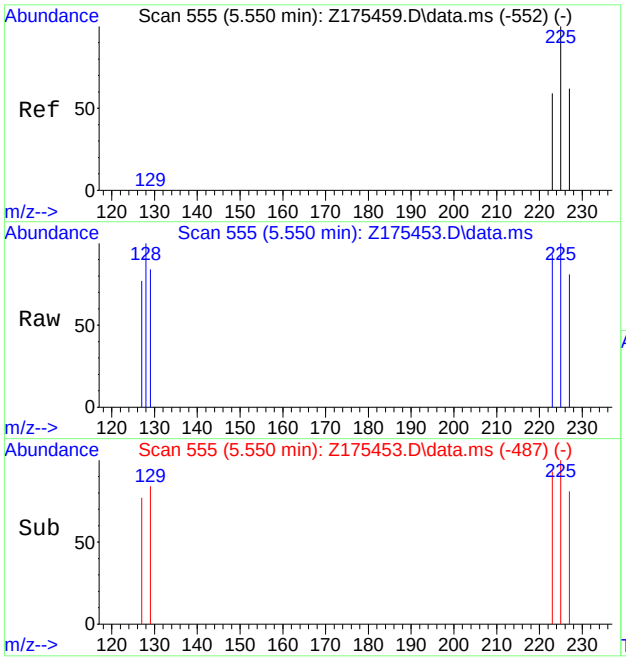


#7
Naphthalene
Concen: 1.67 ppb
RT: 5.478 min Scan# 543
Delta R.T. 0.006 min
Lab File: Z175453.D
Acq: 10 Sep 2025 12:13 pm

Tgt Ion:128 Resp: 52

Ion	Ratio	Lower	Upper
128	100		
129	21.5	0.0	40.6
127	15.4	0.0	43.3

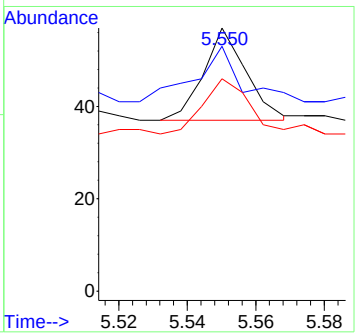


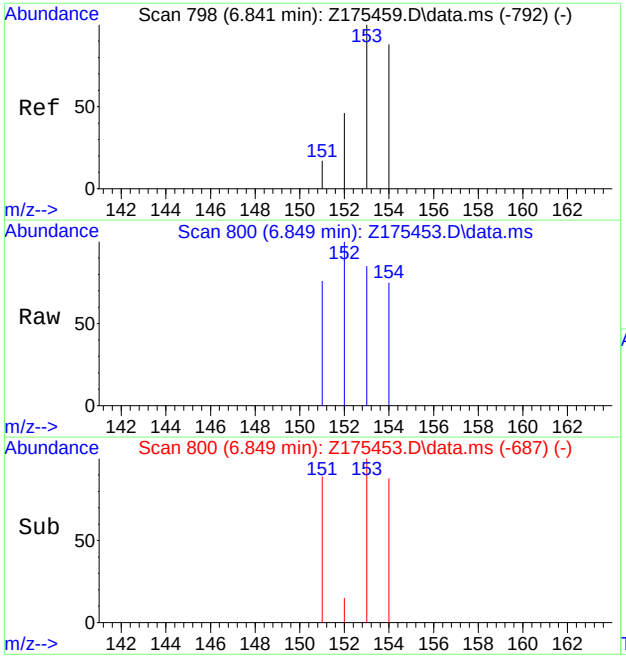


#8
Hexachlorobutadiene
Concen: 2.06 ppb
RT: 5.550 min Scan# 555
Delta R.T. 0.000 min
Lab File: Z175453.D
Acq: 10 Sep 2025 12:13 pm

Tgt Ion:225 Resp: 17

Ion	Ratio	Lower	Upper
225	100		
223	48.7	29.0	89.0
227	59.0	32.1	92.1

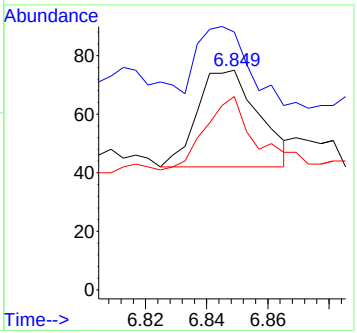


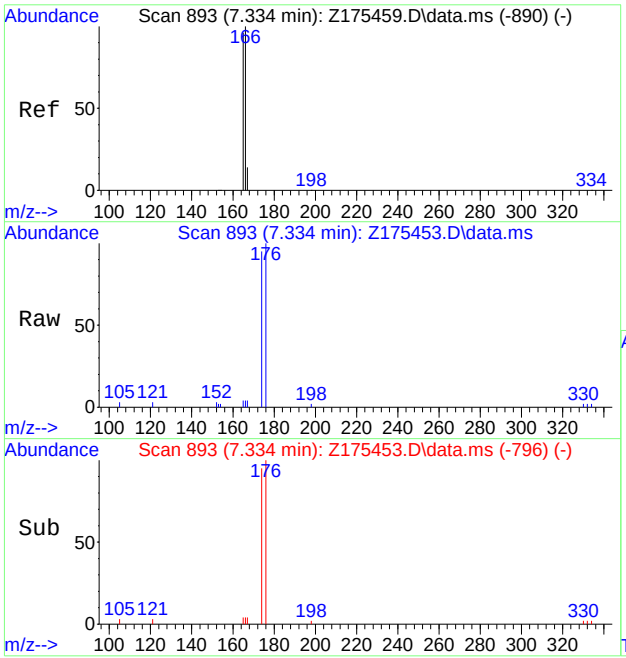


#15
Acenaphthene
Concen: 2.16 ppb
RT: 6.849 min Scan# 800
Delta R.T. 0.008 min
Lab File: Z175453.D
Acq: 10 Sep 2025 12:13 pm

Tgt Ion:153 Resp: 46

Ion	Ratio	Lower	Upper
153	100		
152	73.7	16.6	76.6
154	77.2	57.9	117.9

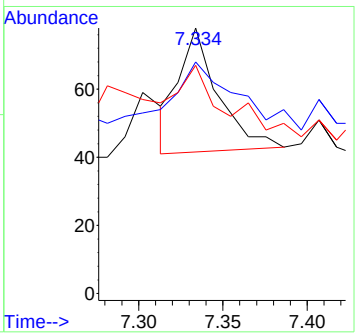


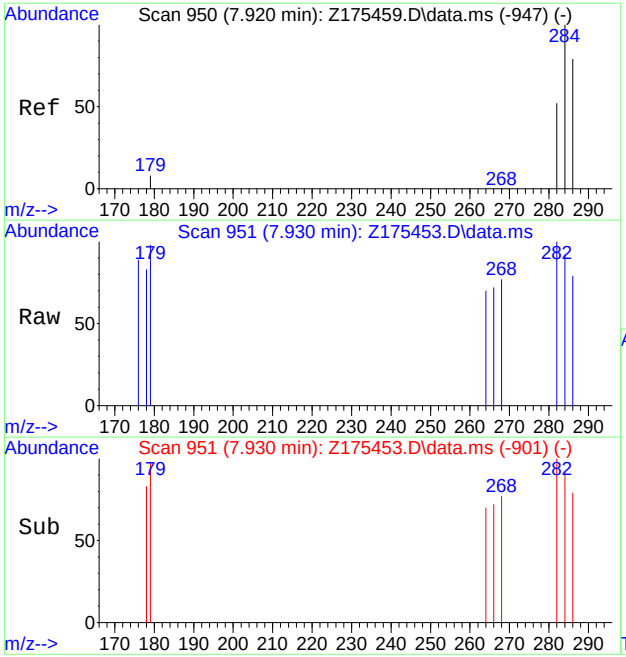


#16
Fluorene
Concen: 2.41 ppb
RT: 7.334 min Scan# 893
Delta R.T. 0.000 min
Lab File: Z175453.D
Acq: 10 Sep 2025 12:13 pm

Tgt Ion:166 Resp: 59

Ion	Ratio	Lower	Upper
166	100		
165	48.3	65.8	125.8#
167	48.3	0.0	43.5#

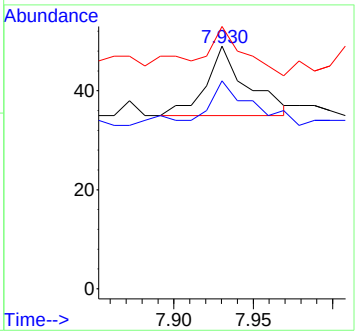


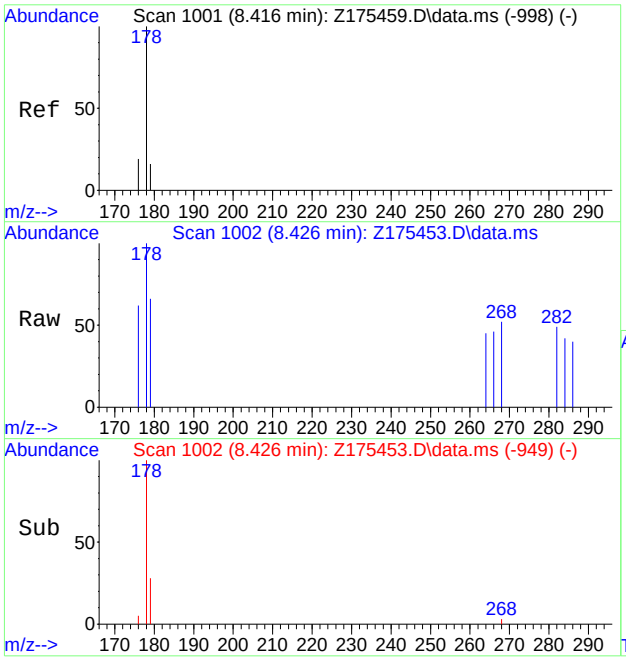


#20
Hexachlorobenzene
Concen: 2.88 ppb
RT: 7.930 min Scan# 951
Delta R.T. 0.010 min
Lab File: Z175453.D
Acq: 10 Sep 2025 12:13 pm

Tgt Ion:284 Resp: 25

Ion	Ratio	Lower	Upper
284	100		
286	50.0	48.9	108.9
282	61.5	22.1	82.1

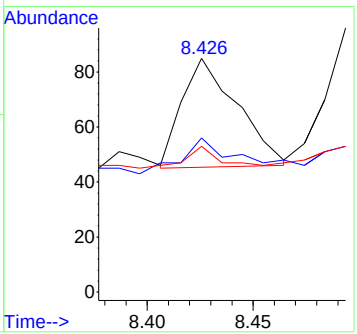


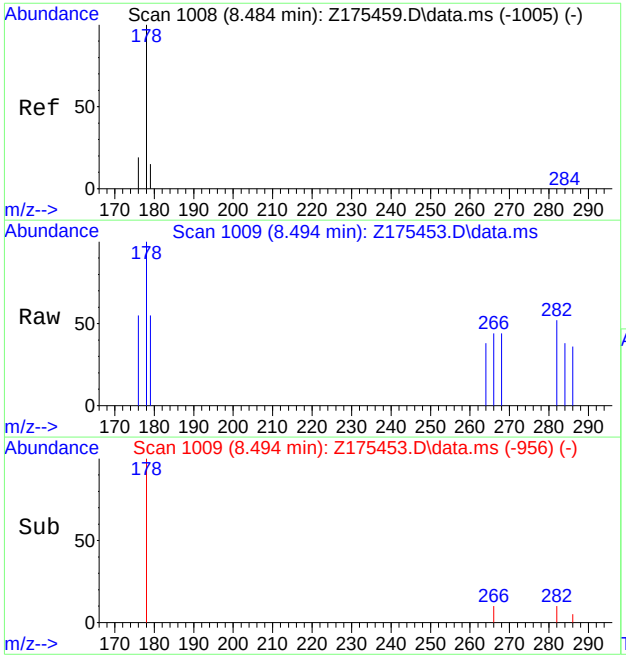


#22
Phenanthrene
Concen: 2.36 ppb
RT: 8.426 min Scan# 1002
Delta R.T. 0.010 min
Lab File: Z175453.D
Acq: 10 Sep 2025 12:13 pm

Tgt Ion:178 Resp: 72

Ion	Ratio	Lower	Upper
178	100		
179	22.4	0.0	45.6
176	17.1	0.0	48.6

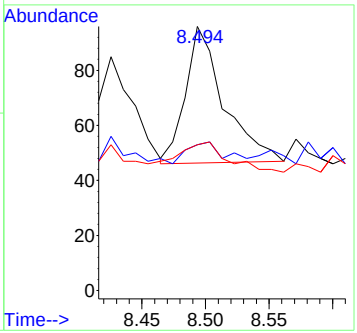


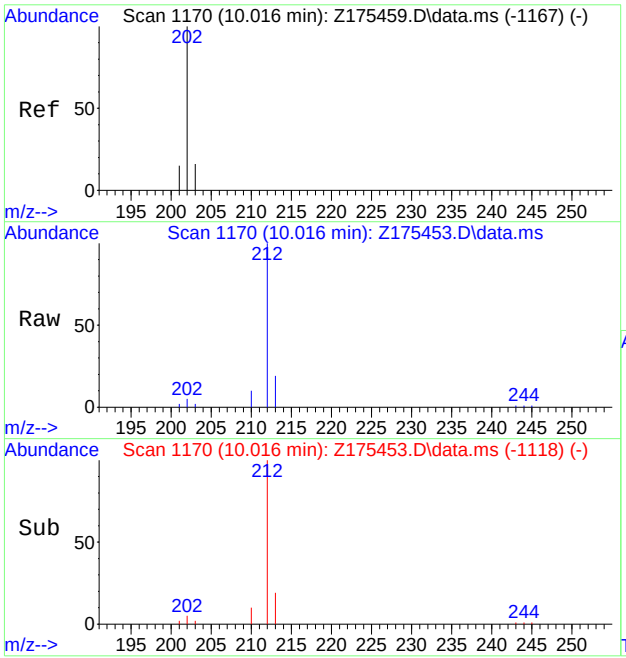


#23
Anthracene
Concen: 2.75 ppb
RT: 8.494 min Scan# 1009
Delta R.T. 0.010 min
Lab File: Z175453.D
Acq: 10 Sep 2025 12:13 pm

Tgt Ion:178 Resp: 104

Ion	Ratio	Lower	Upper
178	100		
179	9.3	0.0	44.8
176	16.5	0.0	48.7

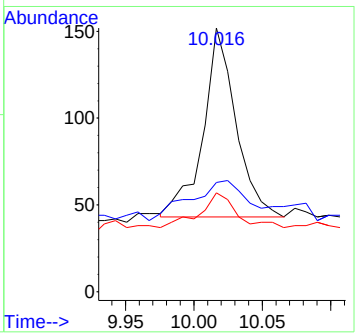


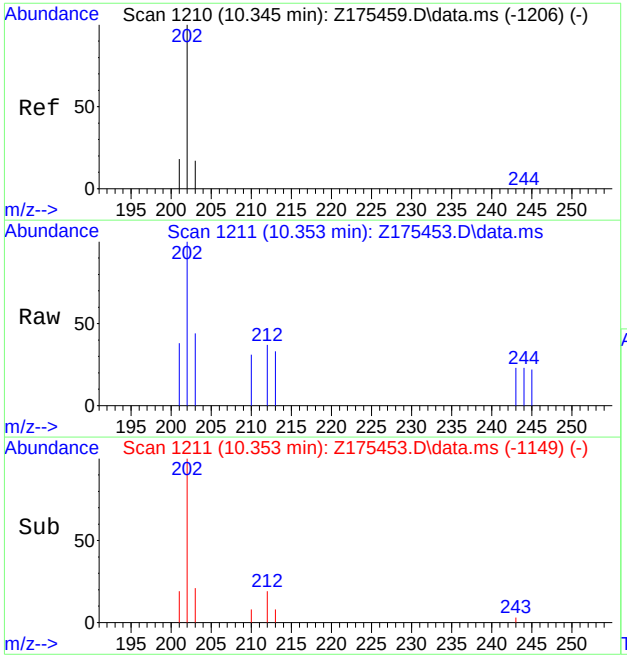


#24
Fluoranthene
Concen: 5.01 ppb
RT: 10.016 min Scan# 1170
Delta R.T. 0.000 min
Lab File: Z175453.D
Acq: 10 Sep 2025 12:13 pm

Tgt Ion:202 Resp: 182

Ion	Ratio	Lower	Upper
202	100		
203	14.8	0.0	46.4
201	18.5	0.0	45.1

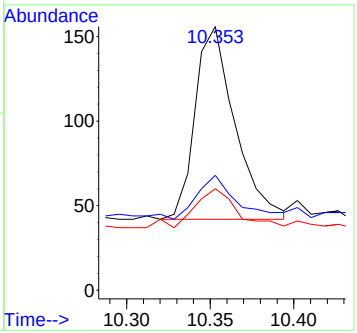




#25
Pyrene
Concen: 4.97 ppb
RT: 10.353 min Scan# 1211
Delta R.T. 0.008 min
Lab File: Z175453.D
Acq: 10 Sep 2025 12:13 pm

Tgt Ion:202 Resp: 190

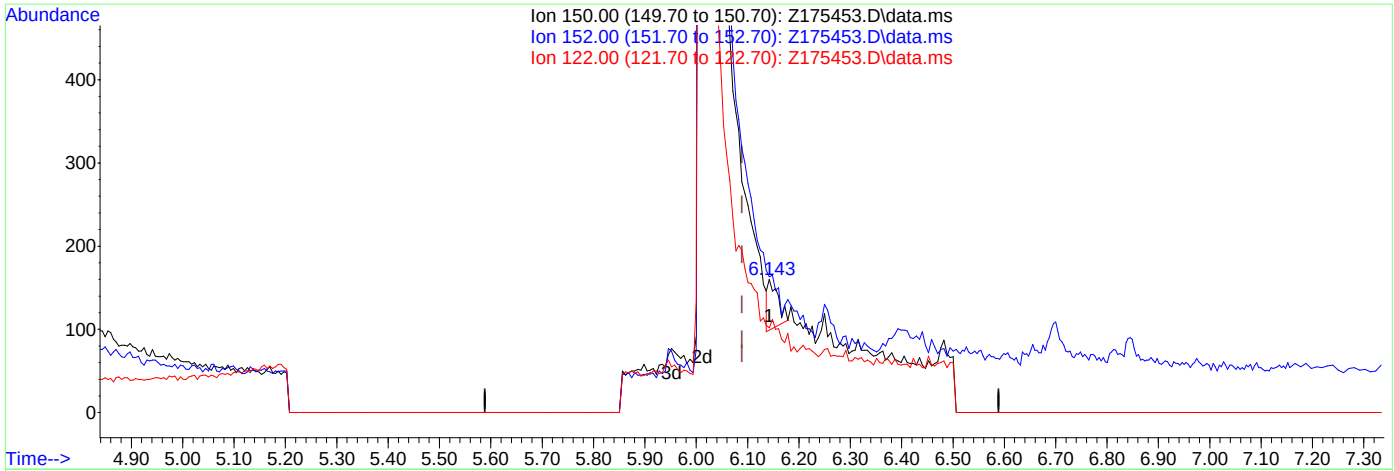
Ion	Ratio	Lower	Upper
202	100		
203	20.2	0.0	47.4
201	17.9	0.0	47.8

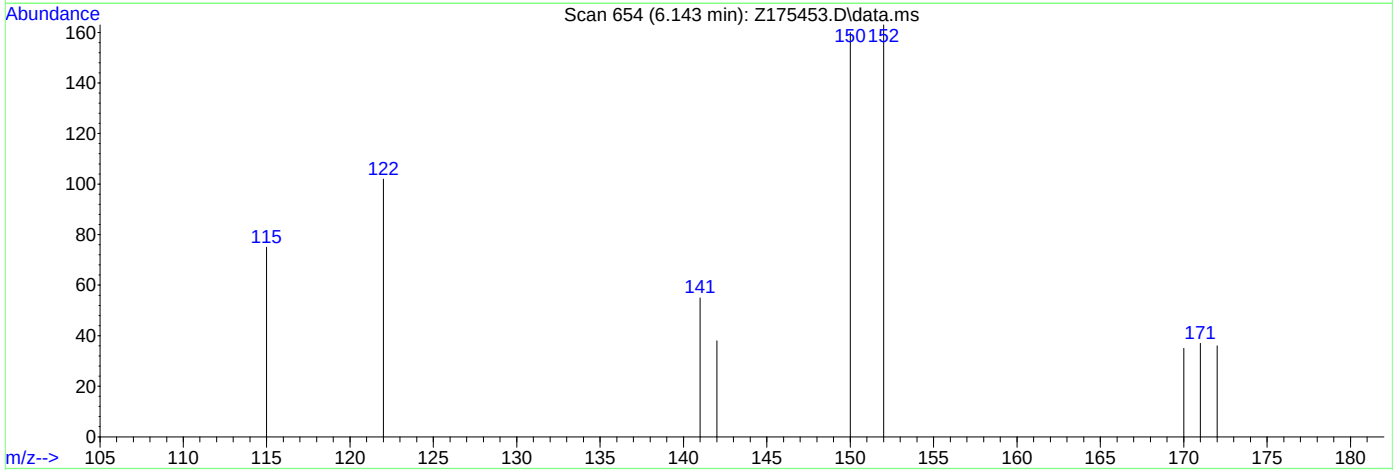


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175453.D
Acq On : 10 Sep 2025 12:13 pm
Operator : rocquans
Sample : ic8654-0.002
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 16:49:22 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175453.D\data.ms

(36) 1-Methylnaphthalene-d10a

6.143min (+0.054) 800.00ppb

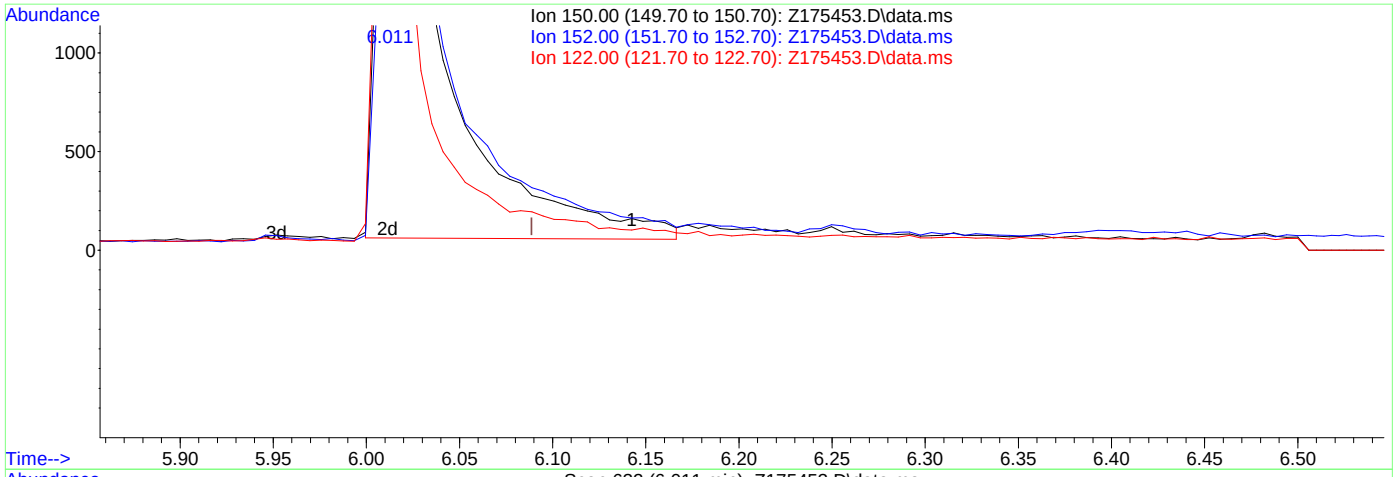
response 79

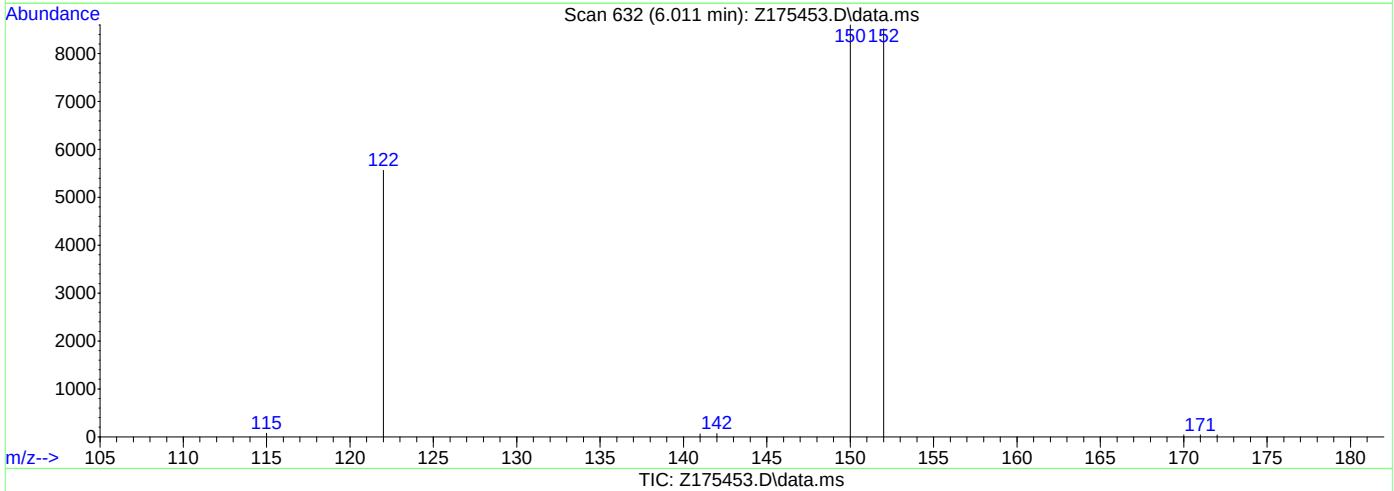
Ion	Exp%	Act%
150.00	100	100
152.00	80.50	30.16#
122.00	40.20	6.35#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175453.D
Acq On : 10 Sep 2025 12:13 pm
Operator : rocquans
Sample : ic8654-0.002
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 16:49:22 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175453.D\data.ms

(36) 1-Methylnaphthalene-d10a

6.011min (-0.077) 800.00ppb m

response 10983

Ion	Exp%	Act%
150.00	100	100
152.00	80.50	99.00
122.00	40.20	64.68#
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
09/15/25 15:51

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175454.D
Acq On : 10 Sep 2025 12:38 pm
Operator : rocquans
Sample : ic8654-0.004
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 11 11:47:14 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	6.017	150	10071	800.00	ppb	0.00
12) Fluorene-d10	7.313	176	12827	800.00	ppb	0.01
19) Fluoranthene-d10	10.000	212	24087	800.00	ppb	0.00
29) Benzo(a)pyrene-d12	14.197	264	17267	800.00	ppb	0.00
36) 1-Methylnaphthalene-d10a	6.017	150	10100m	800.00	ppb	-0.07
System Monitoring Compounds						
3) 2-Fluorophenol	3.667	112	365	47.70	ppb	0.05
Spiked Amount 10000.000			Recovery =	0.48%		
4) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
6) Nitrobenzene-d5	0.000	82	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
13) 2-Fluorobiphenyl	6.262	172	1412	74.36	ppb	0.02
Spiked Amount 10000.000			Recovery =	0.74%		
18) 2,4,6-Tribromophenol	7.616	330	216	63.75	ppb	0.03
Spiked Amount 10000.000			Recovery =	0.64%		
26) Terphenyl-d14	10.632	244	1768	82.44	ppb	0.02
Spiked Amount 10000.000			Recovery =	0.82%		
Target Compounds						Qvalue
7) Naphthalene	5.490	128	93	3.23	ppb	93
8) Hexachlorobutadiene	5.556	225	29	3.80	ppb	76
14) Acenaphthylene	6.708	152	90	3.28	ppb	88
15) Acenaphthene	6.853	153	73	3.78	ppb	83
16) Fluorene	7.344	166	47	2.11	ppb	83
20) Hexachlorobenzene	7.930	284	33	3.80	ppb	94
21) Pentachlorophenol	8.241	266	44m	15.32	ppb	
22) Phenanthrene	8.435	178	108	3.54	ppb	81
23) Anthracene	8.513	178	148m	3.91	ppb	
24) Fluoranthene	10.025	202	173m	4.77	ppb	
25) Pyrene	10.353	202	185	4.84	ppb	94
27) Benzo[a]anthracene	12.221	228	133	5.50	ppb	88
28) Chrysene	12.267	228	256	6.16	ppb	89
30) Benzo[b]fluoranthene	13.783	252	153	6.40	ppb	92
31) Benzo[k]fluoranthene	13.829	252	160	4.24	ppb	77
32) Benzo[a]pyrene	14.220	252	206	7.14	ppb	96
33) Indeno[1,2,3-cd]pyrene	15.723	276	161m	4.93	ppb	
34) Dibenz[a,h]anthracene	15.751	278	141	5.22	ppb	83
35) Benzo[g,h,i]perylene	16.049	276	133	4.67	ppb	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

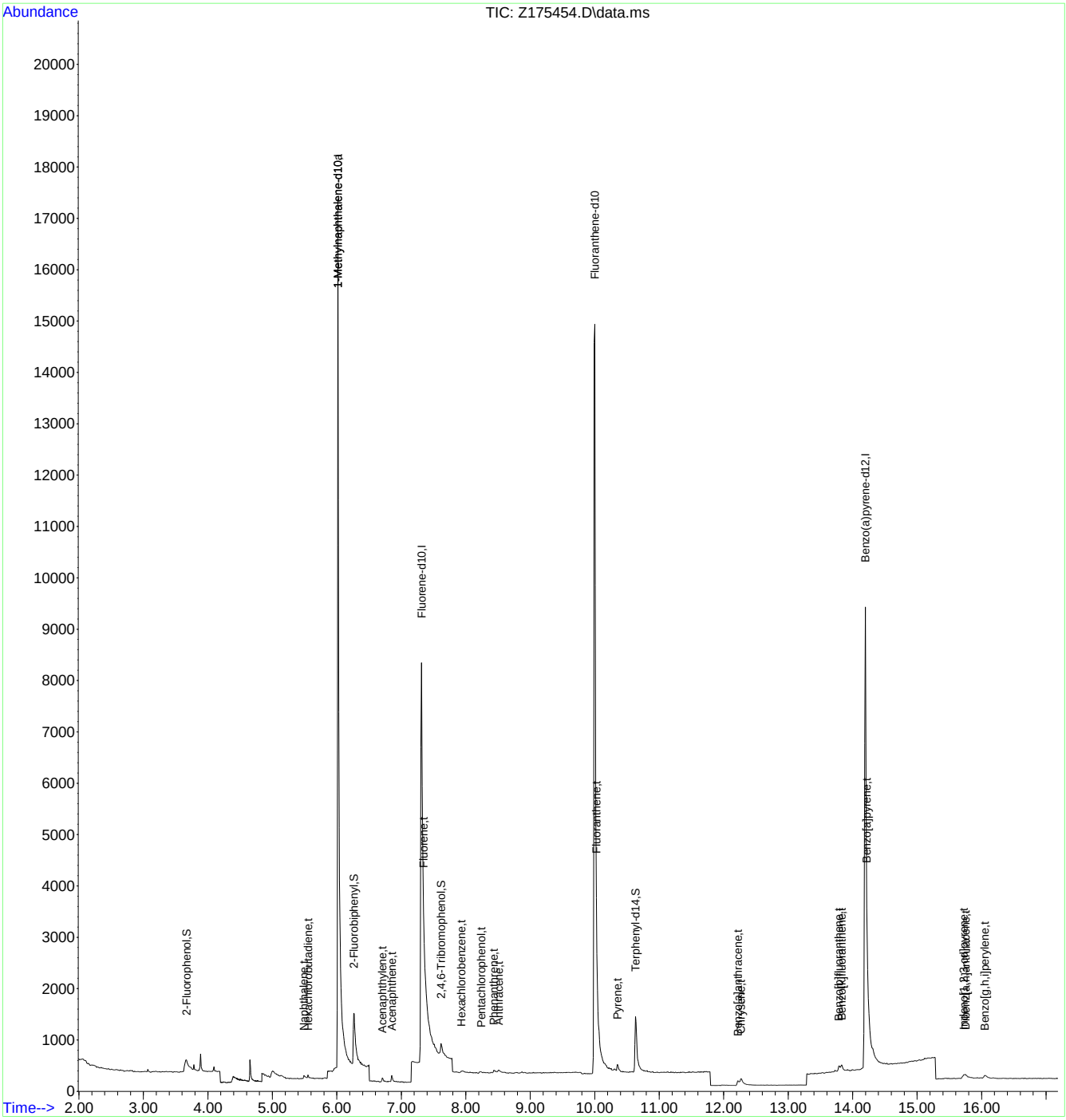
9.5.30

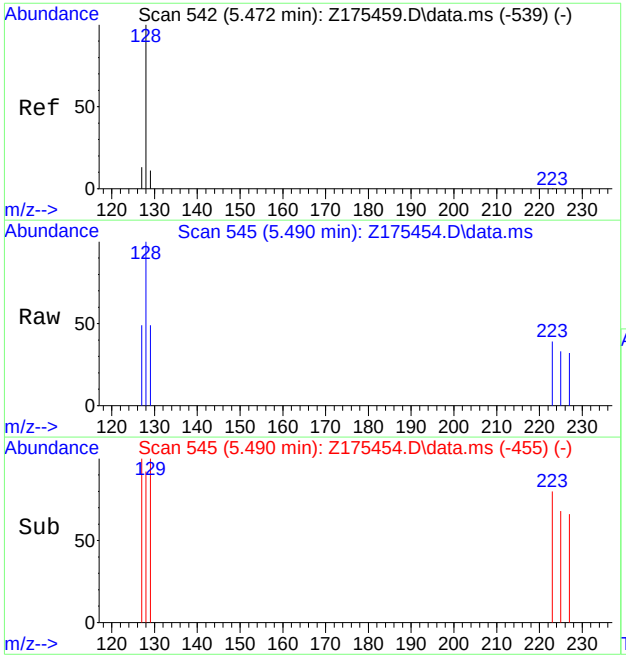
9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175454.D
Acq On : 10 Sep 2025 12:38 pm
Operator : rocquans
Sample : ic8654-0.004
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 11 11:47:14 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration

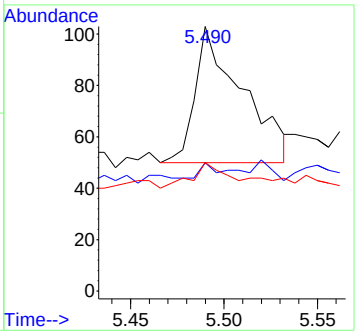


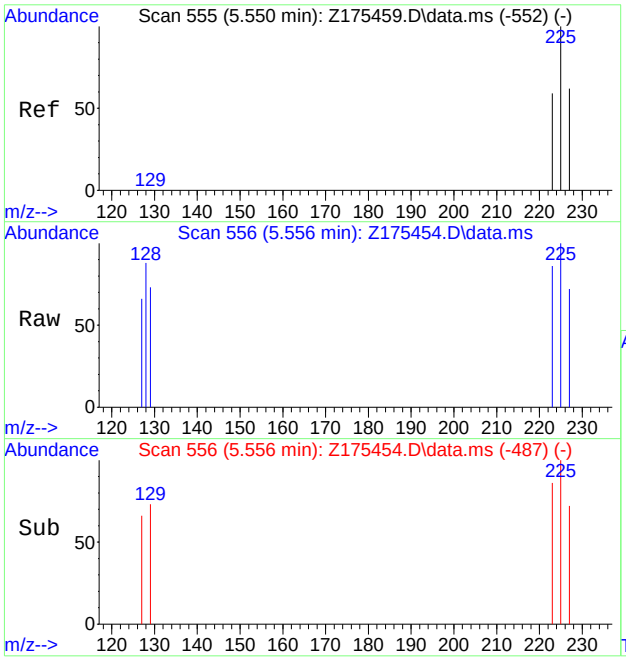


#7
Naphthalene
Concen: 3.23 ppb
RT: 5.490 min Scan# 545
Delta R.T. 0.018 min
Lab File: Z175454.D
Acq: 10 Sep 2025 12:38 pm

Tgt Ion:128 Resp: 93

Ion	Ratio	Lower	Upper
128	100		
129	12.6	0.0	40.6
127	16.8	0.0	43.3

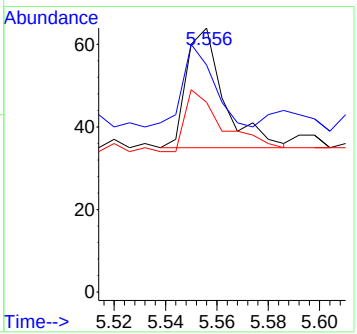




#8
Hexachlorobutadiene
Concen: 3.80 ppb
RT: 5.556 min Scan# 556
Delta R.T. 0.006 min
Lab File: Z175454.D
Acq: 10 Sep 2025 12:38 pm

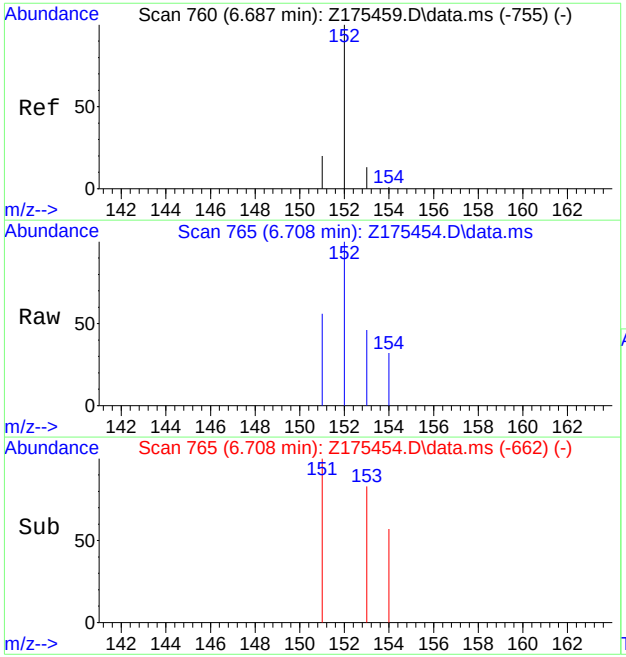
Tgt Ion:225 Resp: 29

Ion	Ratio	Lower	Upper
225	100		
223	43.9	29.0	89.0
227	40.4	32.1	92.1



9.5.30

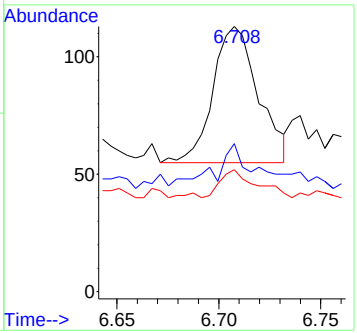
9

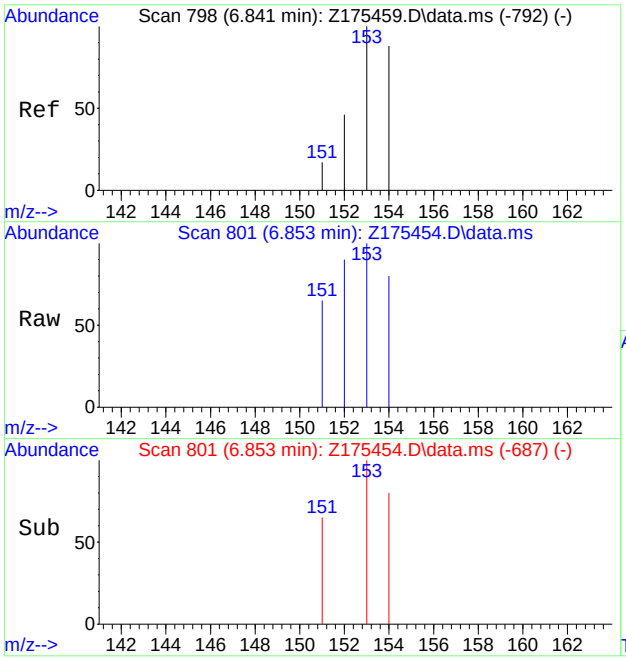


#14
Acenaphthylene
Concen: 3.28 ppb
RT: 6.708 min Scan# 765
Delta R.T. 0.020 min
Lab File: Z175454.D
Acq: 10 Sep 2025 12:38 pm

Tgt Ion:152 Resp: 90

Ion	Ratio	Lower	Upper
152	100		
151	25.0	0.0	50.1
153	18.3	0.0	42.6

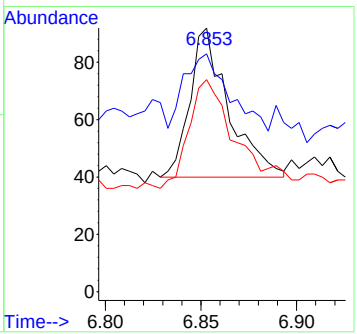


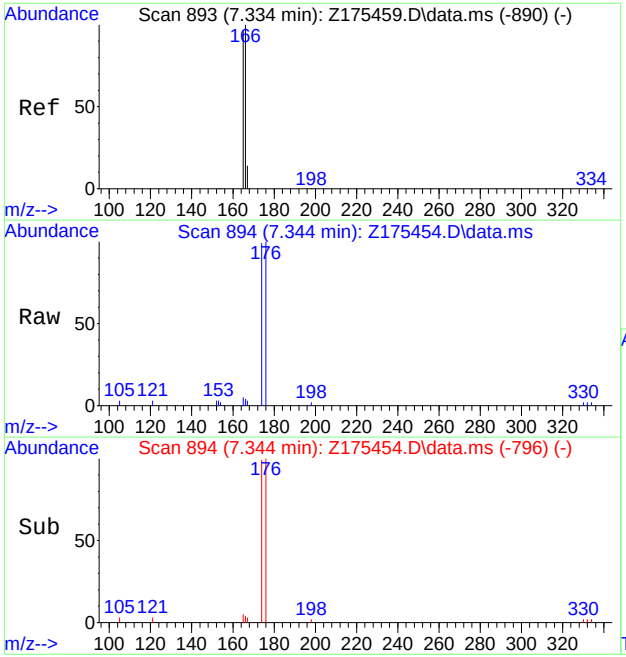


#15
Acenaphthene
Concen: 3.78 ppb
RT: 6.853 min Scan# 801
Delta R.T. 0.012 min
Lab File: Z175454.D
Acq: 10 Sep 2025 12:38 pm

Tgt Ion:153 Resp: 73

Ion	Ratio	Lower	Upper
153	100		
152	40.2	16.6	76.6
154	68.6	57.9	117.9

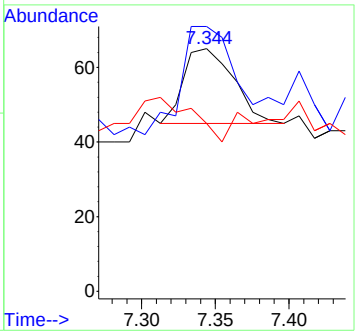


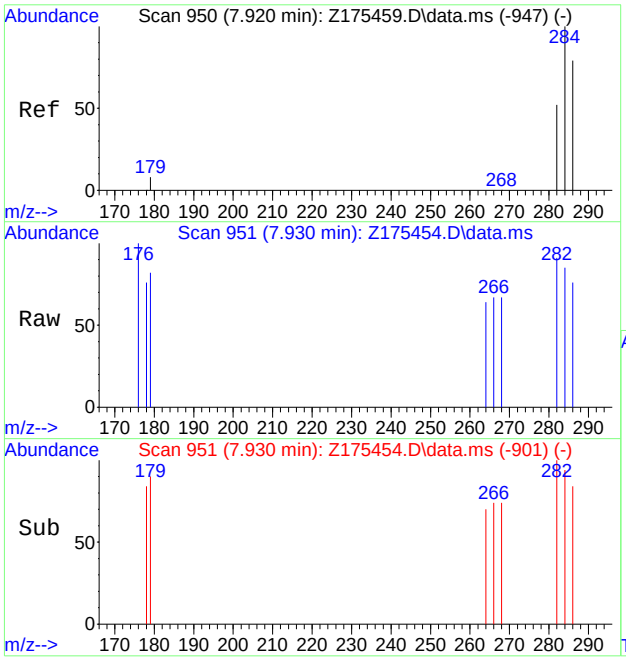


#16
Fluorene
Concen: 2.11 ppb
RT: 7.344 min Scan# 894
Delta R.T. 0.010 min
Lab File: Z175454.D
Acq: 10 Sep 2025 12:38 pm

Tgt Ion:166 Resp: 47

Ion	Ratio	Lower	Upper
166	100		
165	110.0	65.8	125.8
167	0.0	0.0	43.5

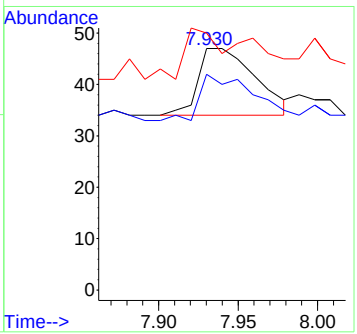


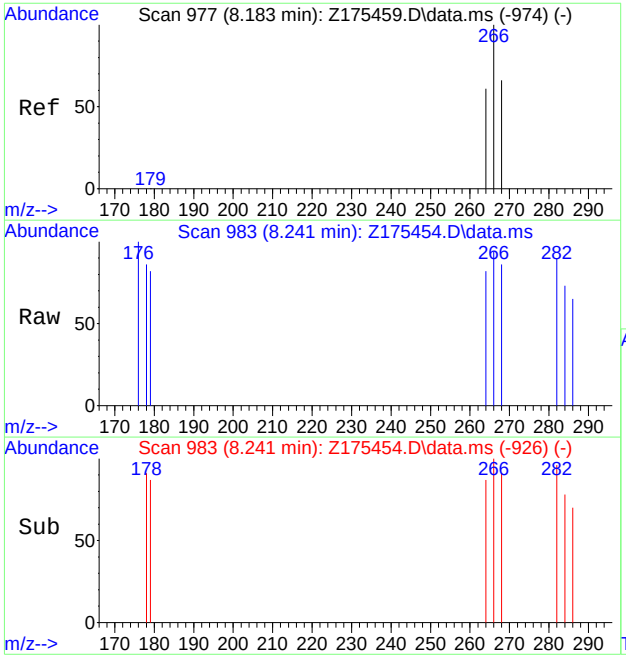


#20
Hexachlorobenzene
Concen: 3.80 ppb
RT: 7.930 min Scan# 951
Delta R.T. 0.010 min
Lab File: Z175454.D
Acq: 10 Sep 2025 12:38 pm

Tgt Ion:284 Resp: 33

Ion	Ratio	Lower	Upper
284	100		
286	69.6	48.9	108.9
282	52.2	22.1	82.1

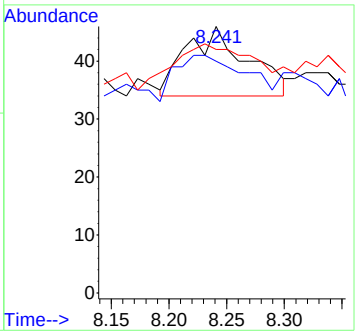


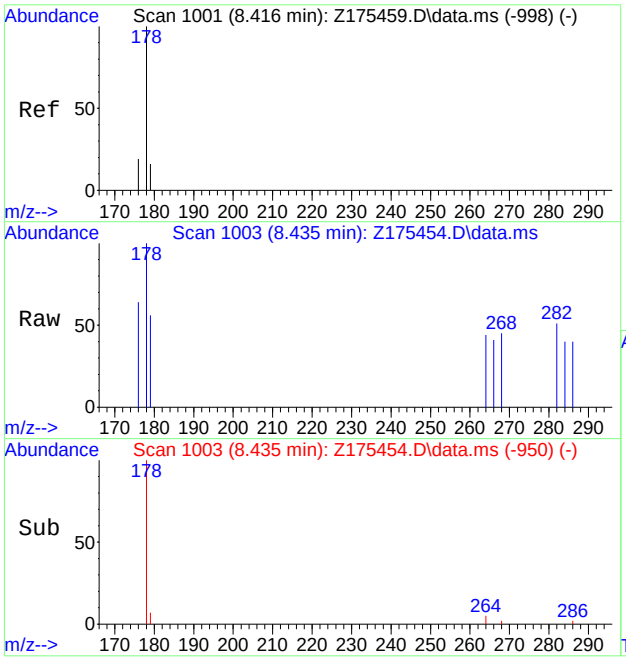


#21
Pentachlorophenol
Concen: 15.32 ppb m
RT: 8.241 min Scan# 983
Delta R.T. 0.058 min
Lab File: Z175454.D
Acq: 10 Sep 2025 12:38 pm

Tgt Ion:266 Resp: 44

Ion	Ratio	Lower	Upper
266	100		
264	87.0	30.8	90.8
268	91.3	36.3	96.3

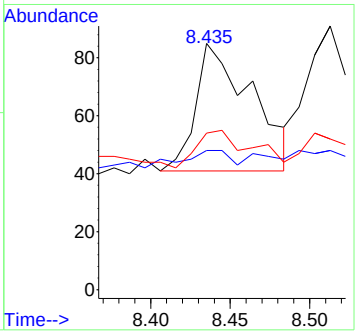


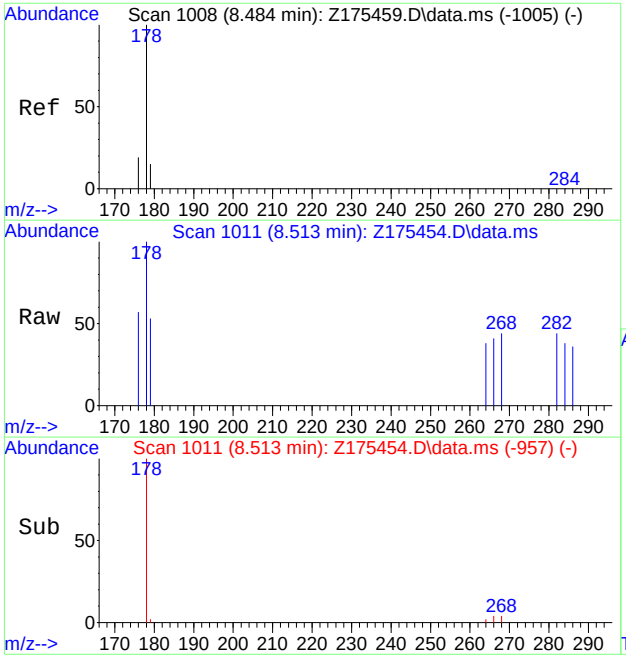


#22
Phenanthrene
Concen: 3.54 ppb
RT: 8.435 min Scan# 1003
Delta R.T. 0.019 min
Lab File: Z175454.D
Acq: 10 Sep 2025 12:38 pm

Tgt Ion:178 Resp: 108

Ion	Ratio	Lower	Upper
178	100		
179	8.2	0.0	45.6
176	27.4	0.0	48.6

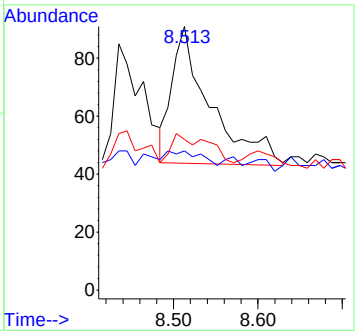


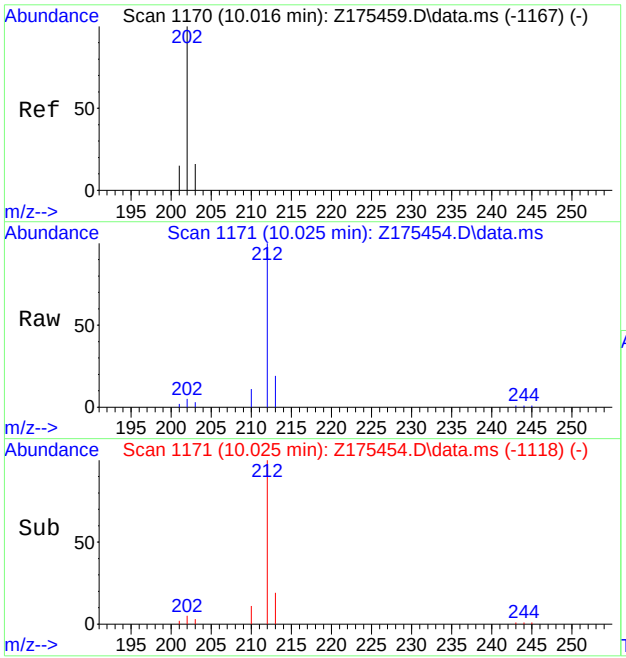


#23
Anthracene
Concen: 3.91 ppb m
RT: 8.513 min Scan# 1011
Delta R.T. 0.029 min
Lab File: Z175454.D
Acq: 10 Sep 2025 12:38 pm

Tgt Ion:178 Resp: 148

Ion	Ratio	Lower	Upper
178	100		
179	52.7	0.0	44.8#
176	57.1	0.0	48.7#

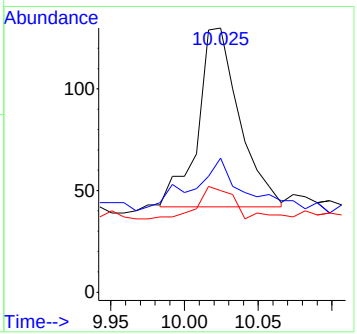


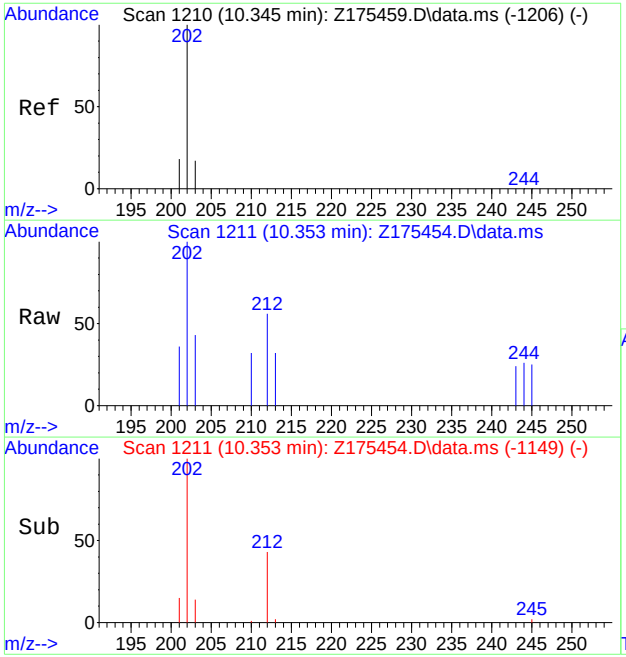


#24
Fluoranthene
Concen: 4.77 ppb m
RT: 10.025 min Scan# 1171
Delta R.T. 0.008 min
Lab File: Z175454.D
Acq: 10 Sep 2025 12:38 pm

Tgt Ion:202 Resp: 173

Ion	Ratio	Lower	Upper
202	100		
203	50.8	0.0	46.4#
201	38.5	0.0	45.1

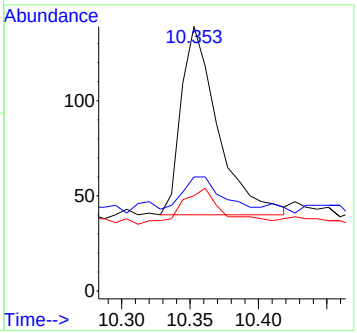


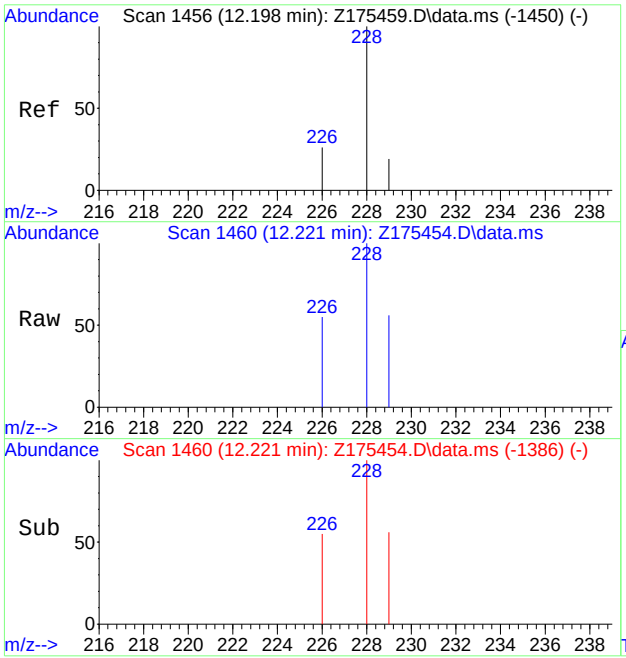


#25
Pyrene
Concen: 4.84 ppb
RT: 10.353 min Scan# 1211
Delta R.T. 0.008 min
Lab File: Z175454.D
Acq: 10 Sep 2025 12:38 pm

Tgt Ion:202 Resp: 185

Ion	Ratio	Lower	Upper
202	100		
203	17.0	0.0	47.4
201	12.9	0.0	47.8

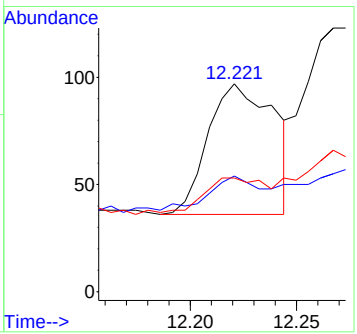


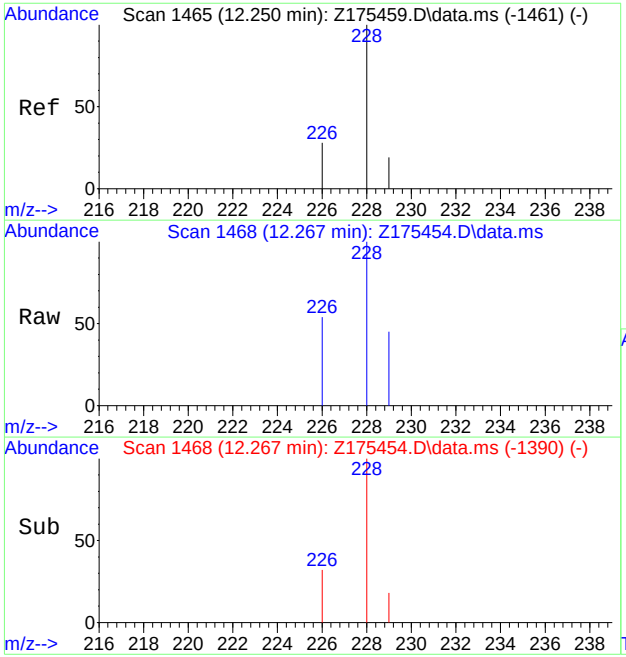


#27
Benzo[a]anthracene
Concen: 5.50 ppb
RT: 12.221 min Scan# 1460
Delta R.T. 0.023 min
Lab File: Z175454.D
Acq: 10 Sep 2025 12:38 pm

Tgt Ion:228 Resp: 133

Ion	Ratio	Lower	Upper
228	100		
229	25.6	0.0	49.3
226	20.5	0.0	55.6

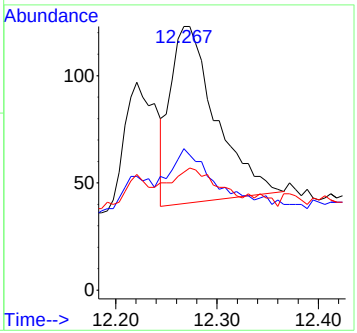


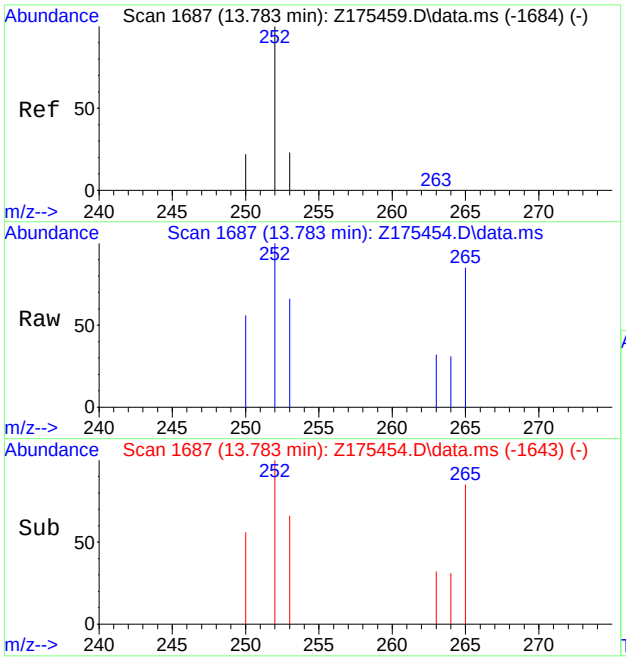


#28
Chrysene
Concen: 6.16 ppb
RT: 12.267 min Scan# 1468
Delta R.T. 0.017 min
Lab File: Z175454.D
Acq: 10 Sep 2025 12:38 pm

Tgt Ion:228 Resp: 256

Ion	Ratio	Lower	Upper
228	100		
226	32.5	0.0	58.4
229	12.5	0.0	49.1

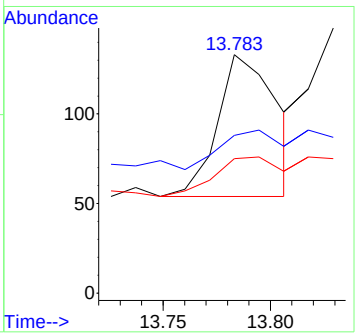


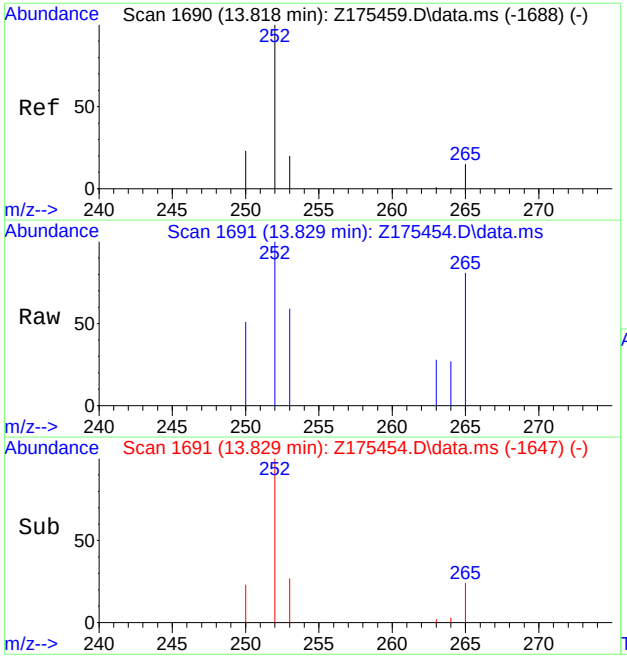


#30
Benzo[b]fluoranthene
Concen: 6.40 ppb
RT: 13.783 min Scan# 1687
Delta R.T. 0.000 min
Lab File: Z175454.D
Acq: 10 Sep 2025 12:38 pm

Tgt Ion:252 Resp: 153

Ion	Ratio	Lower	Upper
252	100		
253	18.0	0.0	52.6
250	25.2	0.0	51.9

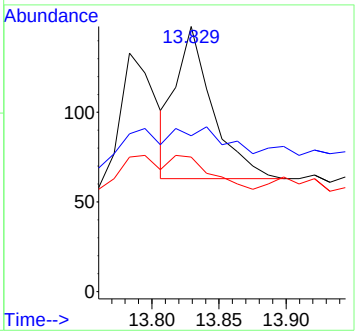


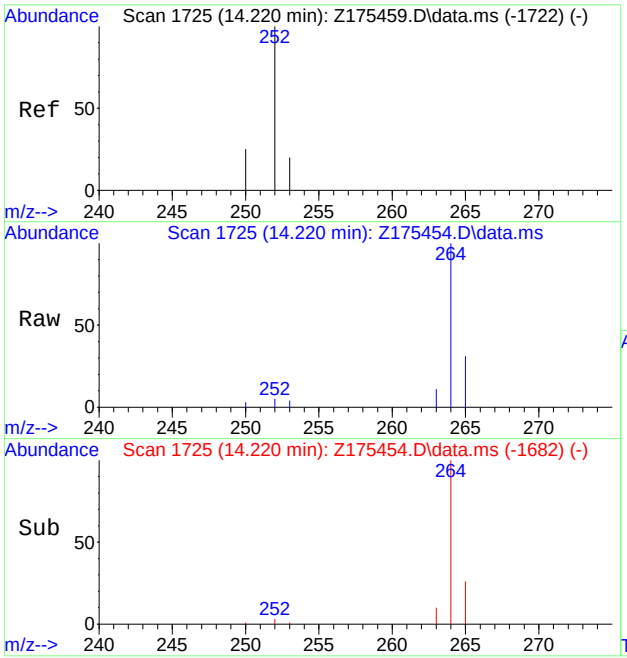


#31
Benzo[k]fluoranthene
Concen: 4.24 ppb
RT: 13.829 min Scan# 1691
Delta R.T. 0.012 min
Lab File: Z175454.D
Acq: 10 Sep 2025 12:38 pm

Tgt Ion:252 Resp: 160

Ion	Ratio	Lower	Upper
252	100		
253	8.3	0.0	51.0
250	13.6	0.0	53.1

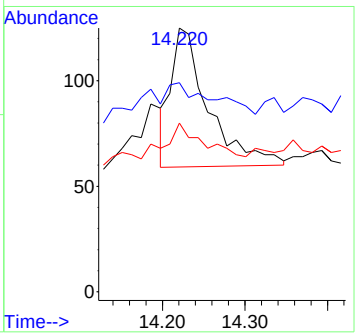


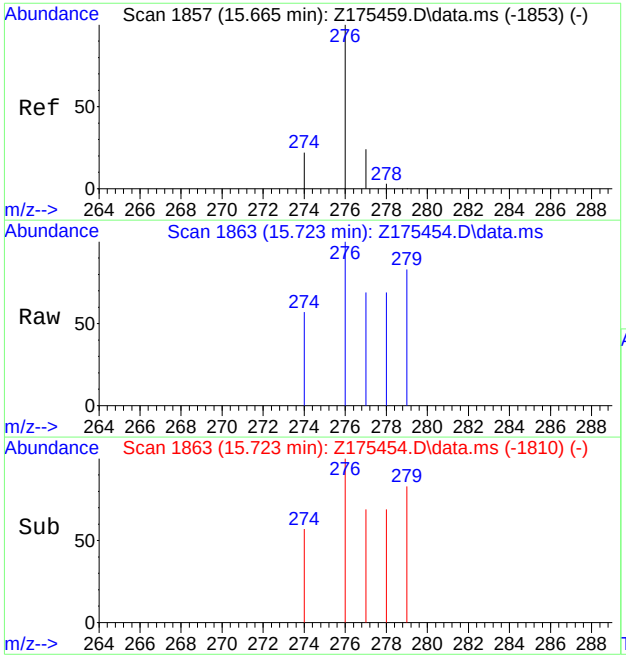


#32
Benzo[a]pyrene
Concen: 7.14 ppb
RT: 14.220 min Scan# 1725
Delta R.T. 0.000 min
Lab File: Z175454.D
Acq: 10 Sep 2025 12:38 pm

Tgt Ion:252 Resp: 206

Ion	Ratio	Lower	Upper
252	100		
253	23.8	0.0	50.2
250	24.8	0.0	54.3

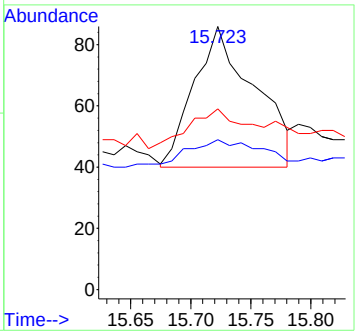


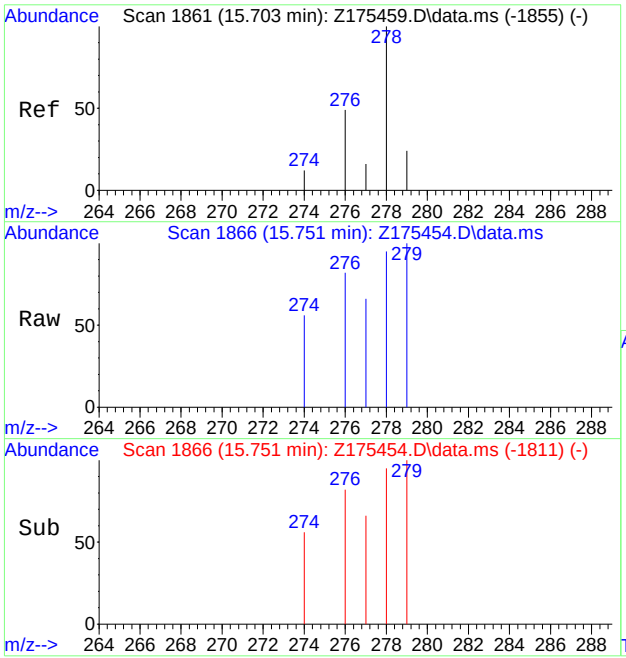


#33
Indeno[1,2,3-cd]pyrene
Concen: 4.93 ppb m
RT: 15.723 min Scan# 1863
Delta R.T. 0.058 min
Lab File: Z175454.D
Acq: 10 Sep 2025 12:38 pm

Tgt Ion:276 Resp: 161

Ion	Ratio	Lower	Upper
276	100		
274	57.0	0.0	51.7#
277	68.6	0.0	53.6#

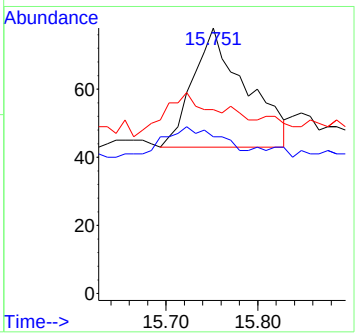




#34
Dibenz[a,h]anthracene
Concen: 5.22 ppb
RT: 15.751 min Scan# 1866
Delta R.T. 0.048 min
Lab File: Z175454.D
Acq: 10 Sep 2025 12:38 pm

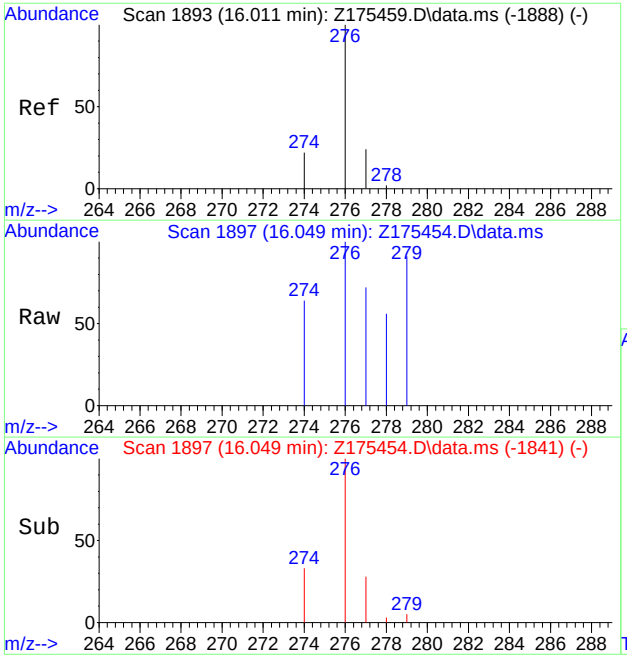
Tgt Ion:278 Resp: 141

Ion	Ratio	Lower	Upper
278	100		
274	4.8	0.0	44.0
277	11.3	0.0	46.5



9.5.30

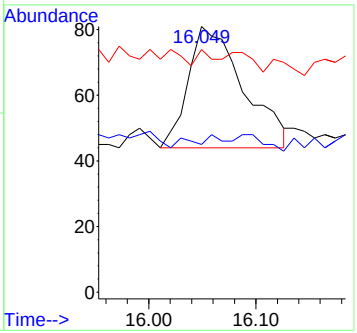
9



#35
Benzo[g,h,i]perylene
Concen: 4.67 ppb
RT: 16.049 min Scan# 1897
Delta R.T. 0.038 min
Lab File: Z175454.D
Acq: 10 Sep 2025 12:38 pm

Tgt Ion:276 Resp: 133

Ion	Ratio	Lower	Upper
276	100		
278	1.5	0.0	32.8
279	10.3	0.0	30.0



Manual Integration Approval Summary

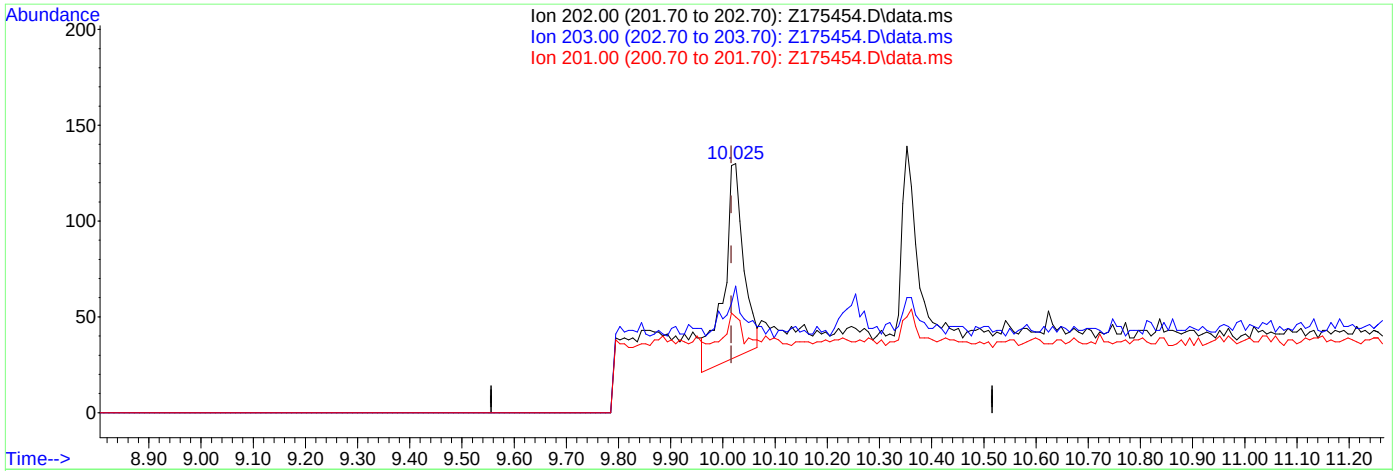
Sample Number: EZ8654-IC8654
Lab FileID: Z175454.D
Injection Time: 09/10/25 12:38
Method: SW846 8270E BY SIM
Analyst approved: 09/11/25 12:07 Ying Li
Supervisor approved: 09/15/25 15:51 Nina Pandya

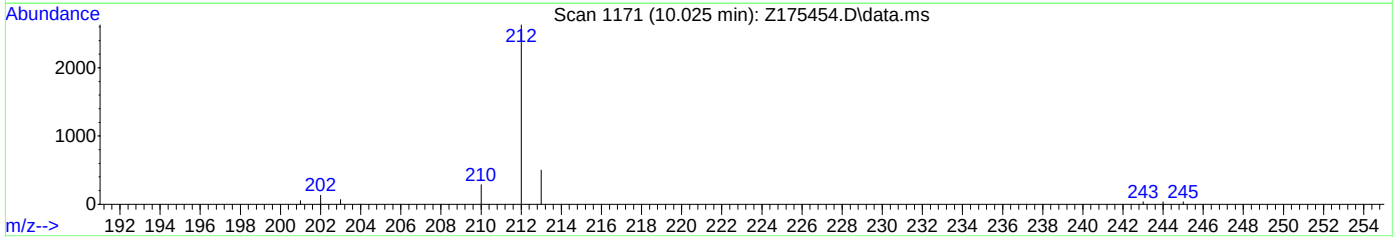
Parameter	CAS	Sig#	R.T. (min.)	Reason
Pentachlorophenol	87-86-5		8.24	Poor instrument integration
Anthracene	120-12-7		8.51	Poor instrument integration
Fluoranthene	206-44-0		10.02	Poor instrument integration
Indeno(1,2,3-cd)pyrene	193-39-5		15.72	Poor instrument integration

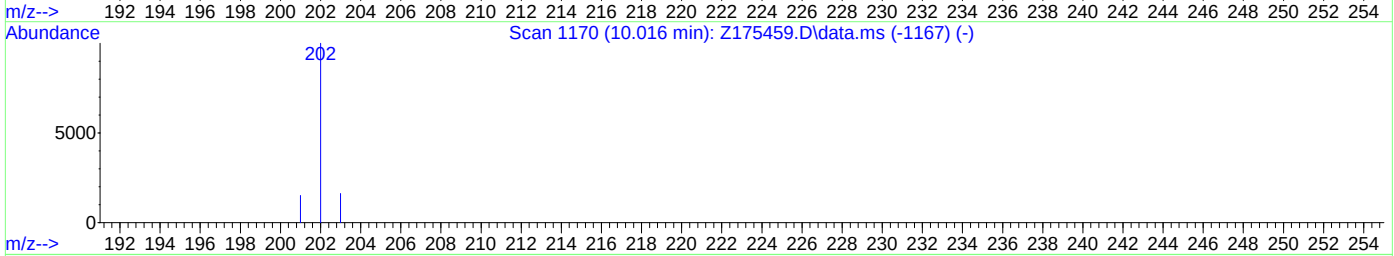
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175454.D
Acq On : 10 Sep 2025 12:38 pm
Operator : rocquans
Sample : ic8654-0.004
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 10 16:44:11 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration







TIC: Z175454.D\data.ms

(24) Fluoranthene (t)

10.025min (+0.008) 7.33ppb

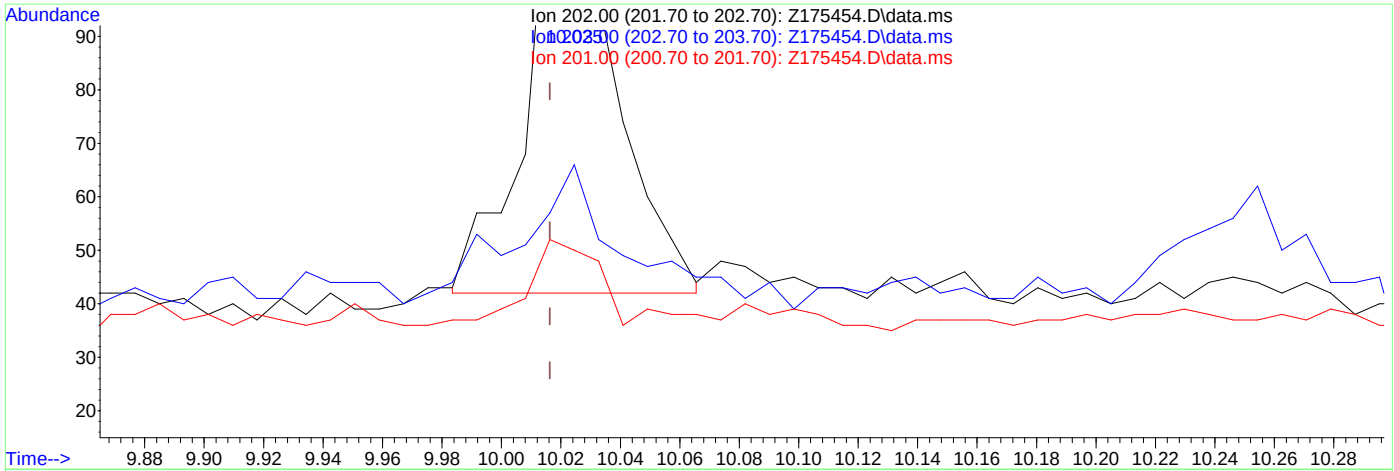
response 266

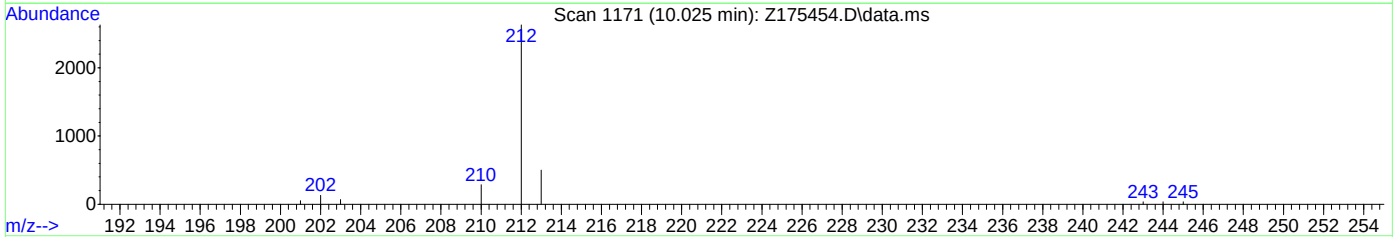
Ion	Exp%	Act%
202.00	100	100
203.00	16.40	24.29
201.00	15.10	14.12
0.00	0.00	0.00

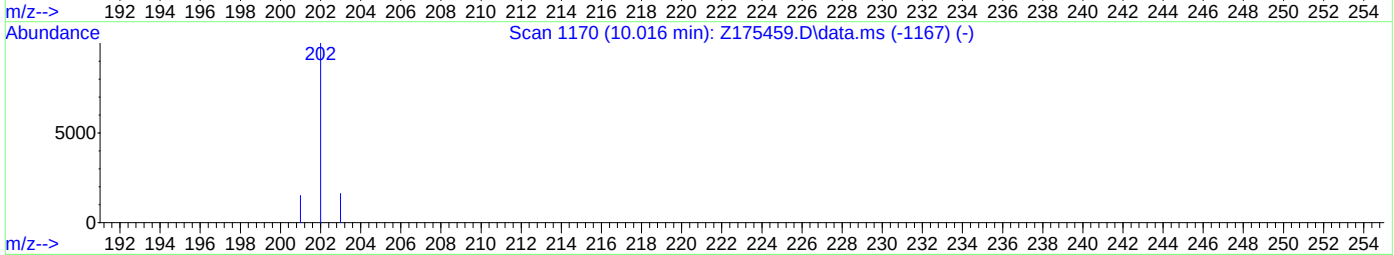
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175454.D
Acq On : 10 Sep 2025 12:38 pm
Operator : rocquans
Sample : ic8654-0.004
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 10 16:44:11 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration







TIC: Z175454.D\data.ms

(24) Fluoranthene (t)

10.025min (+0.008) 4.77ppb m

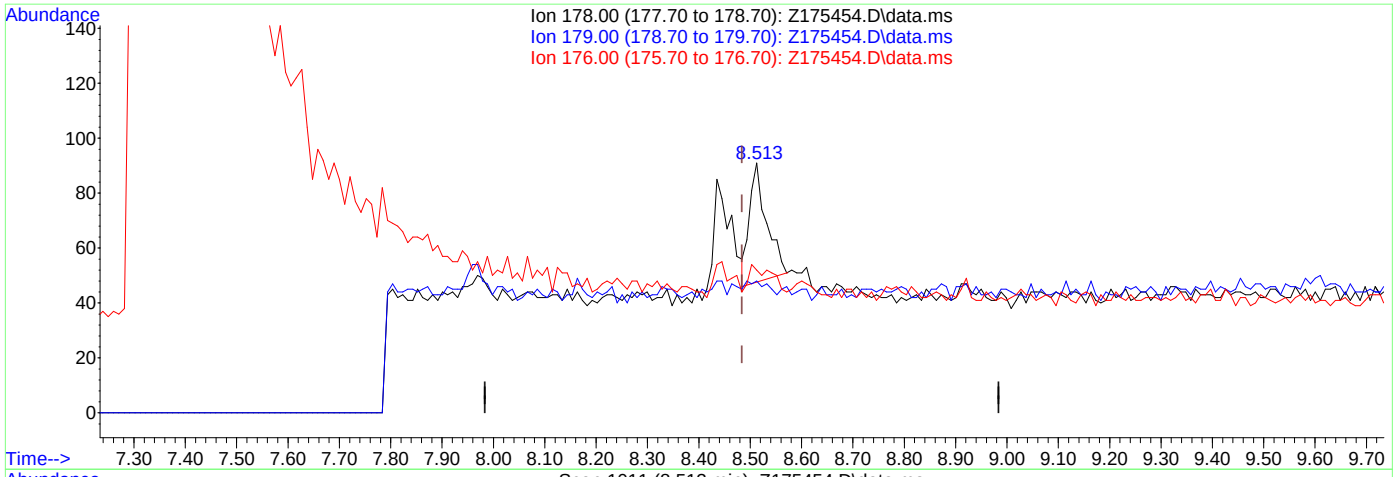
response 173

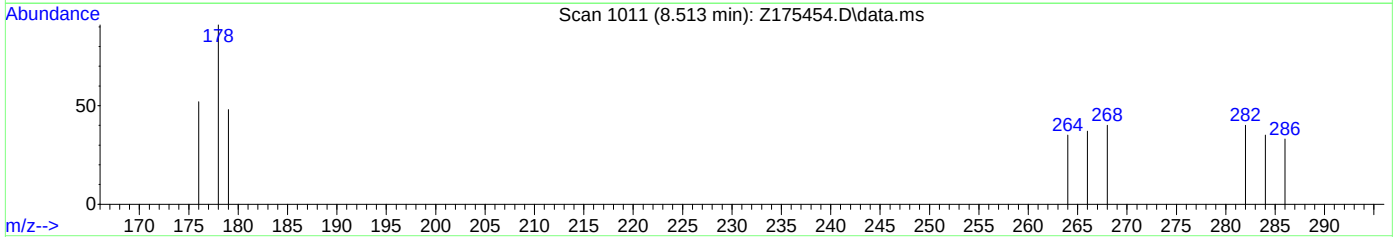
Ion	Exp%	Act%
202.00	100	100
203.00	16.40	50.77#
201.00	15.10	38.46
0.00	0.00	0.00

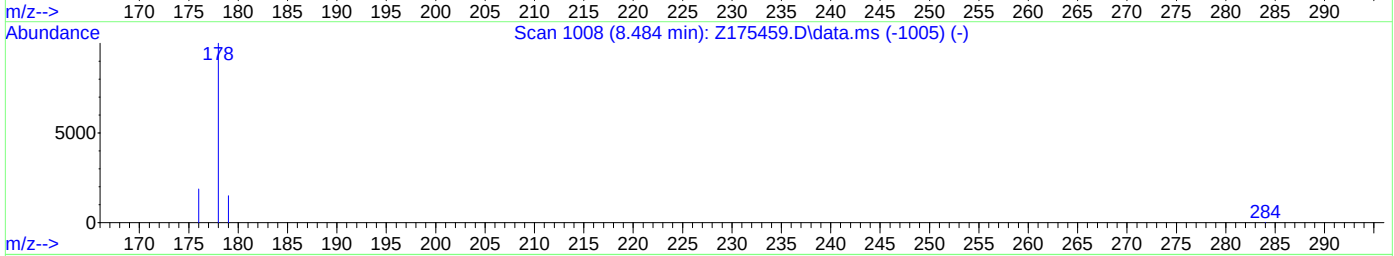
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175454.D
Acq On : 10 Sep 2025 12:38 pm
Operator : rocquans
Sample : ic8654-0.004
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 10 16:44:11 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration







TIC: Z175454.D\data.ms

(23) Anthracene (t)

8.513min (+0.029) 2.67ppb

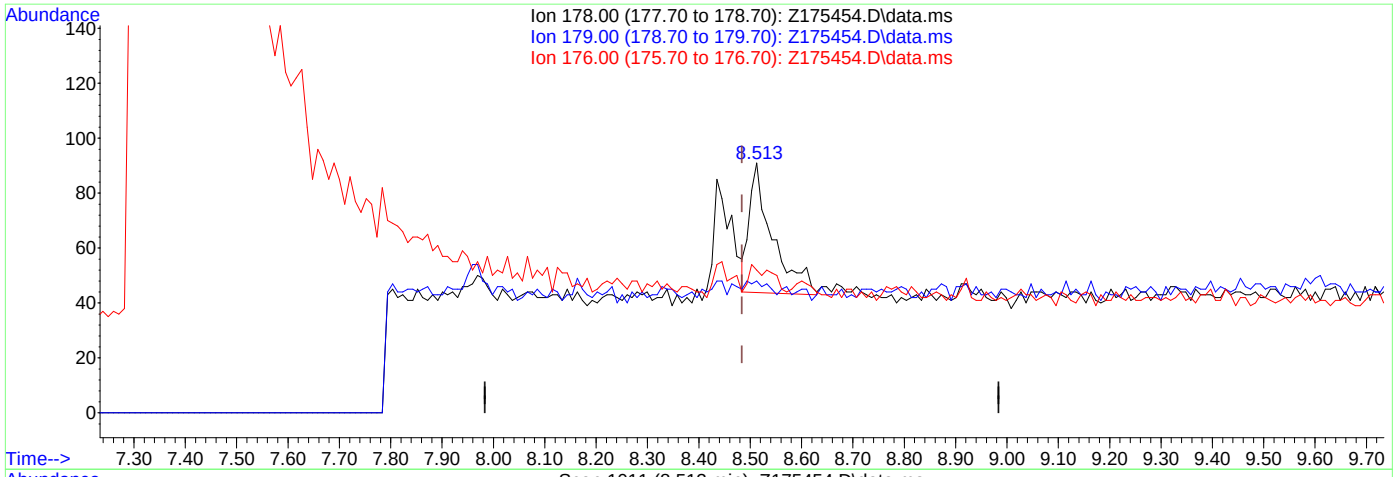
response 101

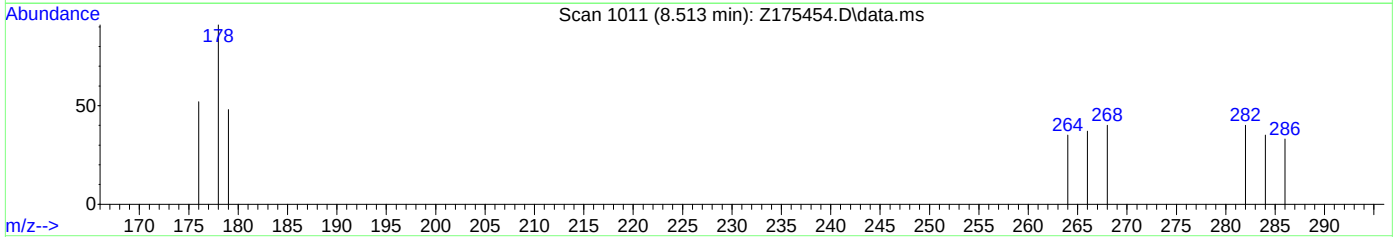
Ion	Exp%	Act%
178.00	100	100
179.00	14.80	6.67
176.00	18.70	21.33
0.00	0.00	0.00

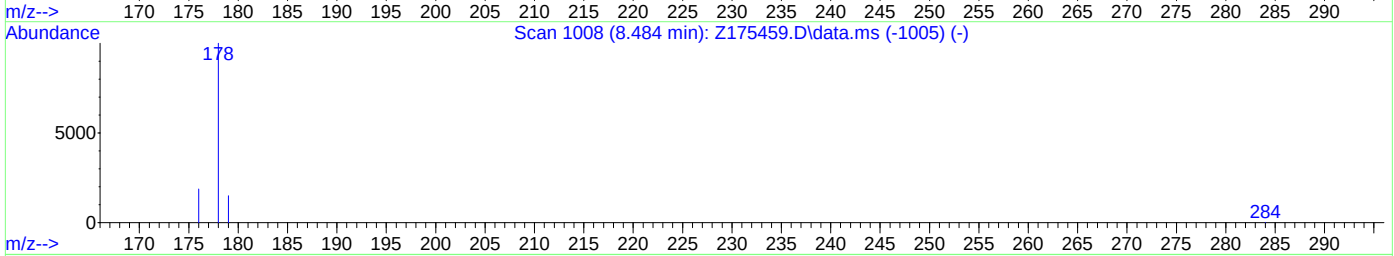
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175454.D
Acq On : 10 Sep 2025 12:38 pm
Operator : rocquans
Sample : ic8654-0.004
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 10 16:44:11 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration







TIC: Z175454.D\data.ms

(23) Anthracene (t)

8.513min (+0.029) 3.91ppb m

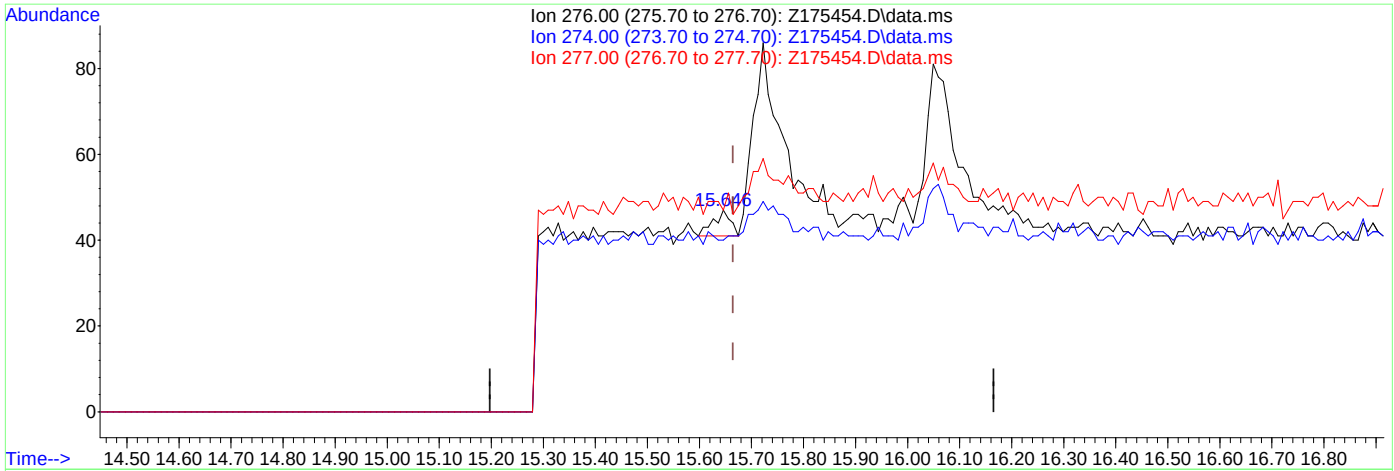
response 148

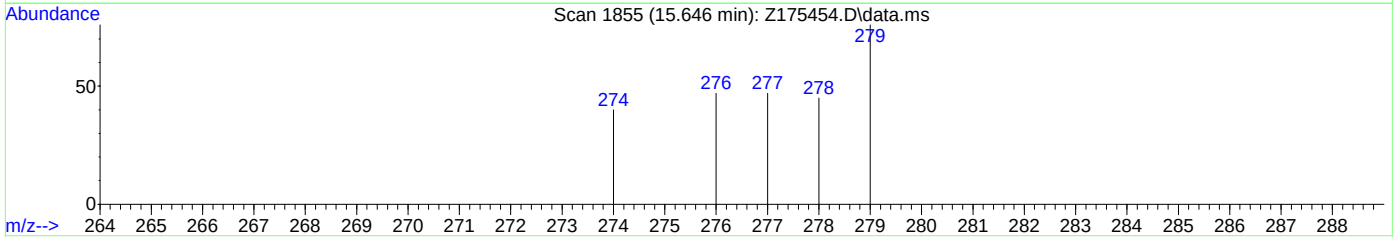
Ion	Exp%	Act%
178.00	100	100
179.00	14.80	52.75#
176.00	18.70	57.14#
0.00	0.00	0.00

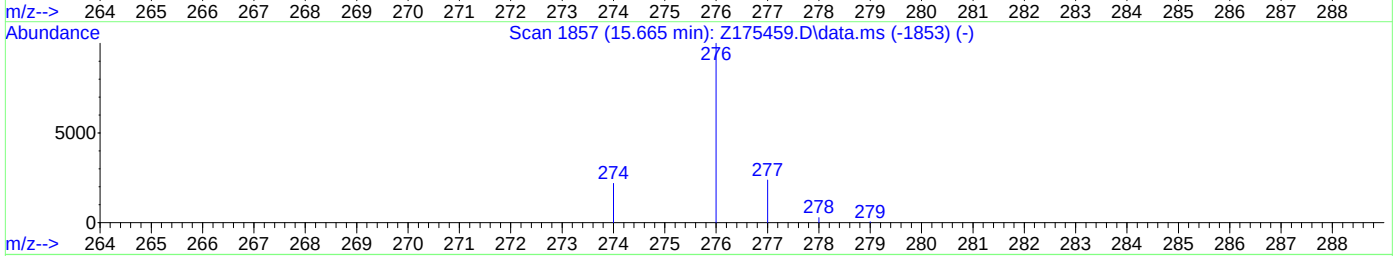
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175454.D
Acq On : 10 Sep 2025 12:38 pm
Operator : rocquans
Sample : ic8654-0.004
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 10 16:44:11 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration







TIC: Z175454.D\data.ms

(33) Indeno[1,2,3-cd]pyrene (t)

15.646min (-0.019) 0.43ppb

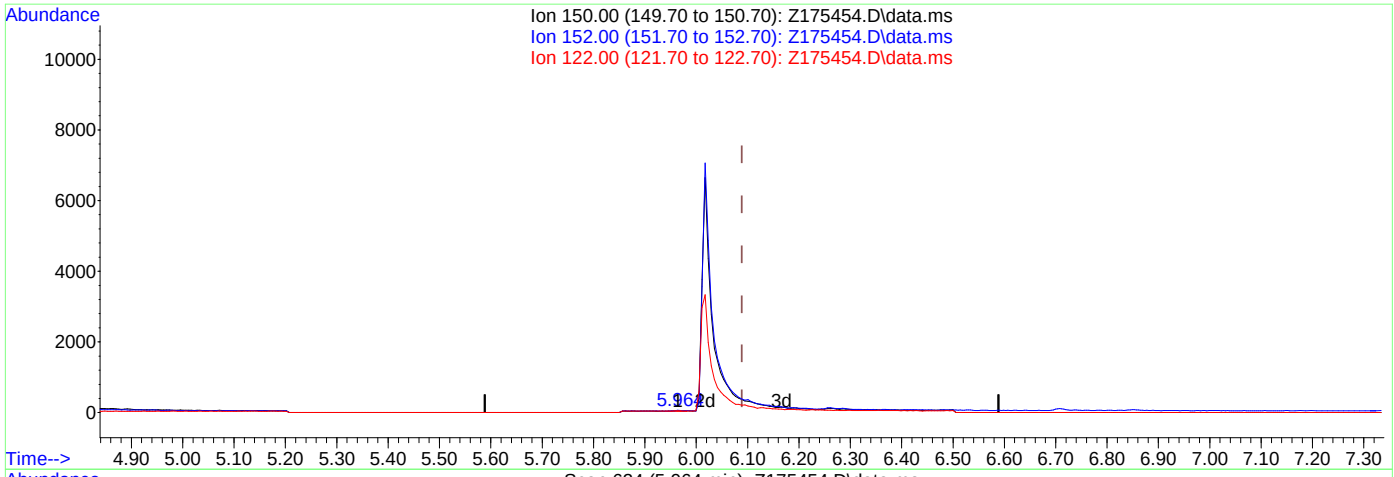
response 14

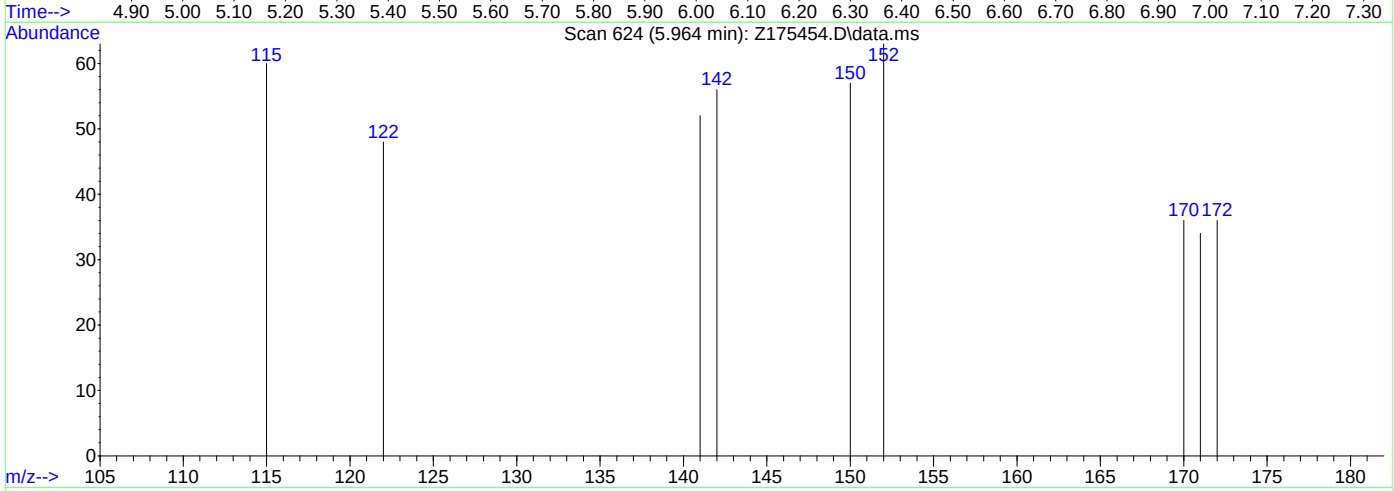
Ion	Exp%	Act%
276.00	100	100
274.00	21.70	0.00
277.00	23.60	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175454.D
Acq On : 10 Sep 2025 12:38 pm
Operator : rocquans
Sample : ic8654-0.004
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 10 18:01:29 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175454.D\data.ms

(36) 1-Methylnaphthalene-d10a

5.964min (-0.125) 800.00ppb

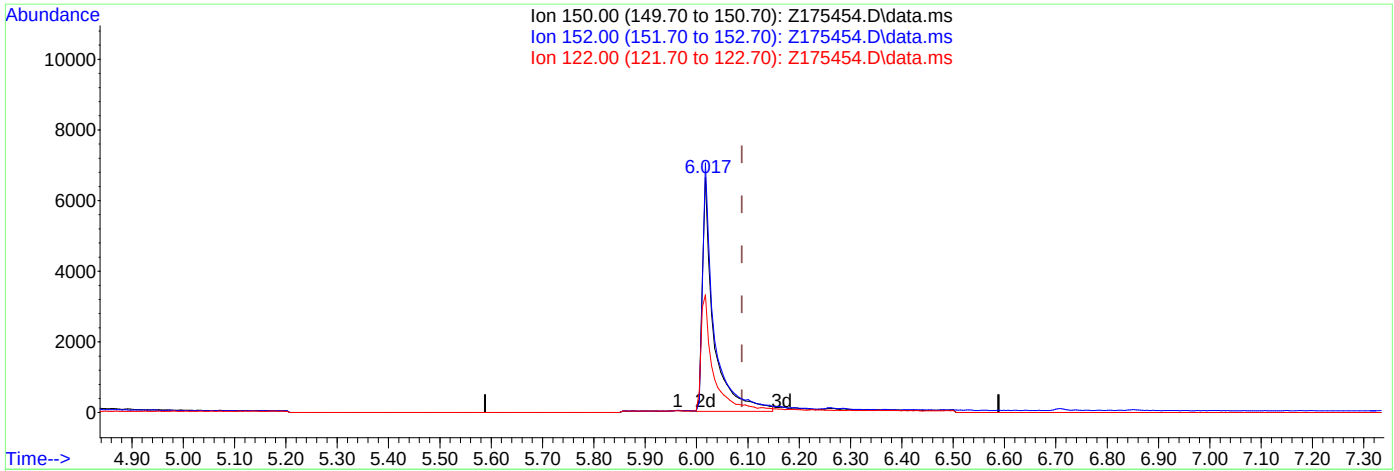
response 35

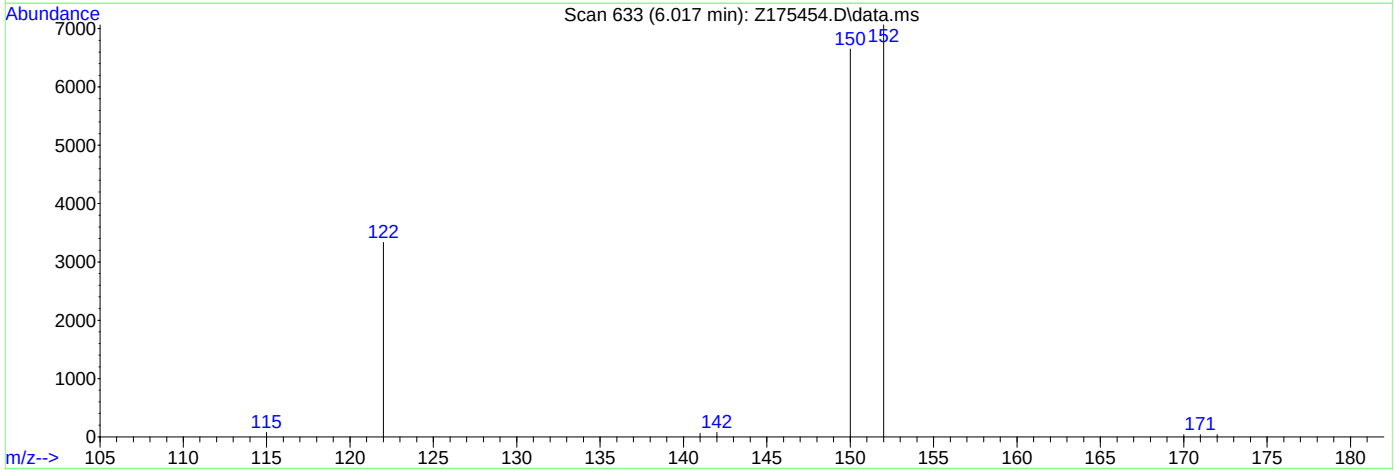
Ion	Exp%	Act%
150.00	100	100
152.00	80.50	87.10
122.00	40.20	29.03
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175454.D
Acq On : 10 Sep 2025 12:38 pm
Operator : rocquans
Sample : ic8654-0.004
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 10 18:01:29 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175454.D\data.ms

(36) 1-Methylnaphthalene-d10a

6.017min (-0.071) 800.00ppb m

response 10100

Ion	Exp%	Act%
150.00	100	100
152.00	80.50	106.22#
122.00	40.20	50.13
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
09/15/25 15:51

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175455.D
Acq On : 10 Sep 2025 1:05 pm
Operator : rocquans
Sample : ic8654-0.01
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 16:43:55 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	6.017	150	10204	800.00	ppb	0.00
12) Fluorene-d10	7.313	176	13993	800.00	ppb	0.01
19) Fluoranthene-d10	10.000	212	25030	800.00	ppb	0.00
29) Benzo(a)pyrene-d12	14.197	264	17238	800.00	ppb	0.00
36) 1-Methylnaphthalene-d10a	6.017	150	10204	800.00	ppb	#-0.07
System Monitoring Compounds						
3) 2-Fluorophenol	3.656	112	1275	164.46	ppb	0.03
Spiked Amount 10000.000			Recovery =	1.64%		
4) Phenol-d5	4.372	99	1220m	143.89	ppb	0.05
Spiked Amount 10000.000			Recovery =	1.44%		
6) Nitrobenzene-d5	4.984	82	1461m	155.18	ppb	0.04
Spiked Amount 10000.000			Recovery =	1.55%		
13) 2-Fluorobiphenyl	6.261	172	3990	192.63	ppb	0.02
Spiked Amount 10000.000			Recovery =	1.93%		
18) 2,4,6-Tribromophenol	7.616	330	564m	152.59	ppb	0.03
Spiked Amount 10000.000			Recovery =	1.53%		
26) Terphenyl-d14	10.632	244	4187	187.88	ppb	0.02
Spiked Amount 10000.000			Recovery =	1.88%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.241	88	35m	8.47	ppb	
5) Phenol	4.372	94	304m	35.37	ppb	
7) Naphthalene	5.490	128	310m	10.63	ppb	
8) Hexachlorobutadiene	5.550	225	74	9.56	ppb	82
9) 2-Methylnaphthalene	5.981	141	159m	8.79	ppb	
10) 1-Methylnaphthalene	6.041	141	176	9.51	ppb	86
14) Acenaphthylene	6.704	152	206	6.88	ppb	100
15) Acenaphthene	6.853	153	171	8.12	ppb	96
16) Fluorene	7.344	166	124m	5.11	ppb	
20) Hexachlorobenzene	7.940	284	71	7.87	ppb	95
21) Pentachlorophenol	8.221	266	67	22.45	ppb	81
22) Phenanthrene	8.445	178	240	7.58	ppb	98
23) Anthracene	8.513	178	369m	9.39	ppb	
24) Fluoranthene	10.024	202	418	11.09	ppb	99
25) Pyrene	10.353	202	408	10.28	ppb	97
27) Benzo[a]anthracene	12.221	228	273	10.85	ppb	98
28) Chrysene	12.267	228	525m	12.15	ppb	
30) Benzo[b]fluoranthene	13.783	252	291	12.19	ppb	92
31) Benzo[k]fluoranthene	13.829	252	369	9.80	ppb	96
32) Benzo[a]pyrene	14.220	252	400	13.89	ppb	98
33) Indeno[1,2,3-cd]pyrene	15.703	276	366	11.23	ppb	85
34) Dibenz[a,h]anthracene	15.742	278	274m	10.15	ppb	
35) Benzo[g,h,i]perylene	16.049	276	323m	11.37	ppb	

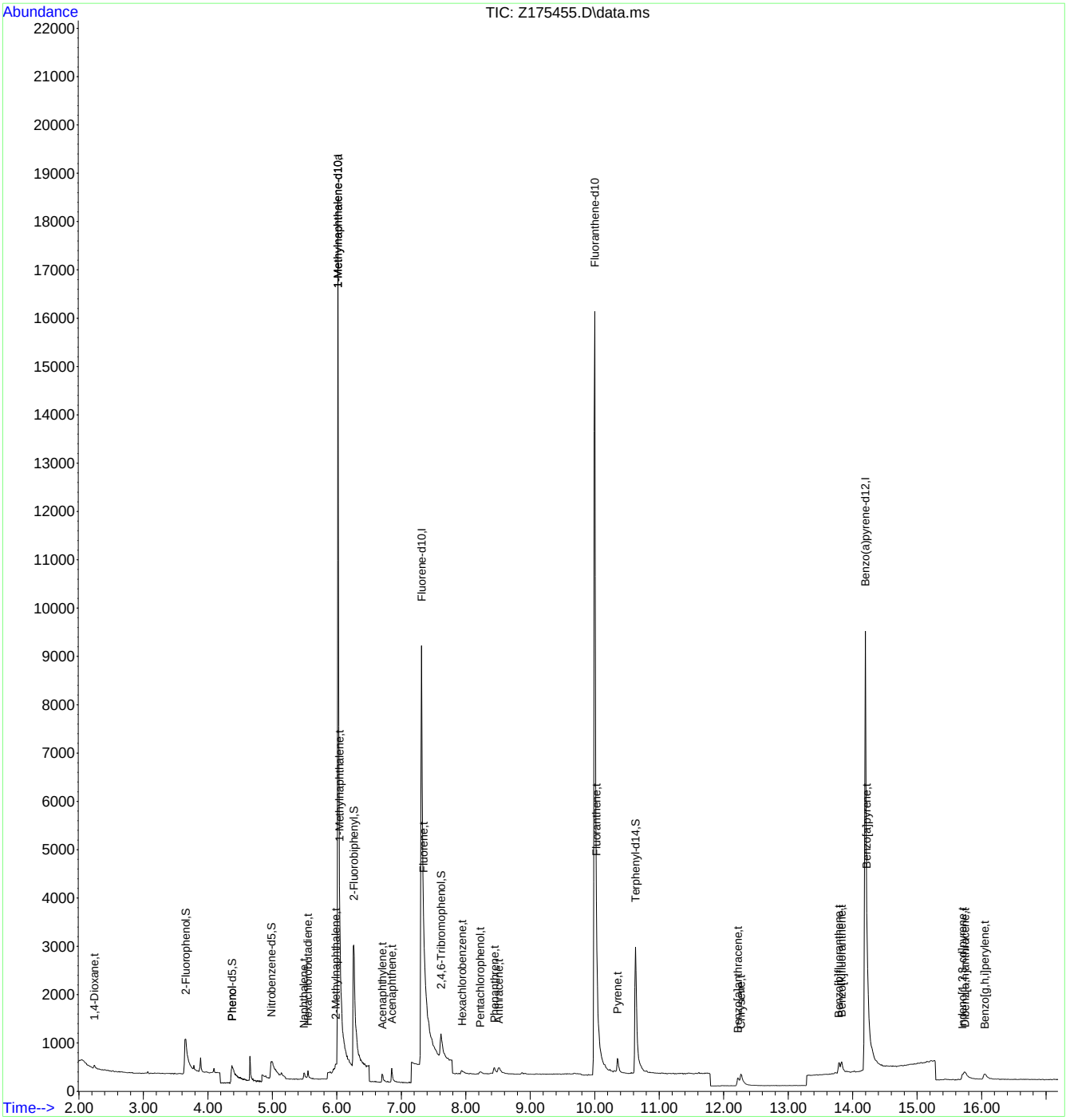
(#) = qualifier out of range (m) = manual integration (+) = signals summed

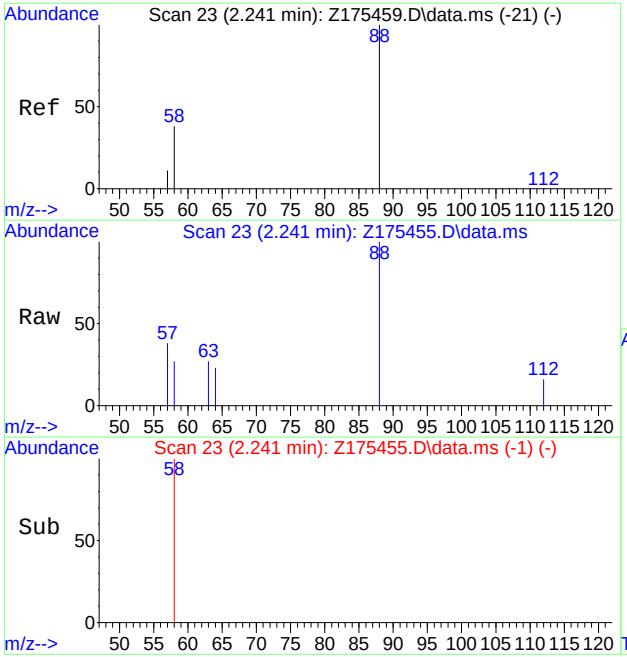
9.5.31
9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175455.D
Acq On : 10 Sep 2025 1:05 pm
Operator : rocquans
Sample : ic8654-0.01
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 16:43:55 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration

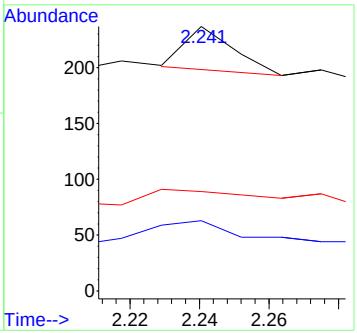


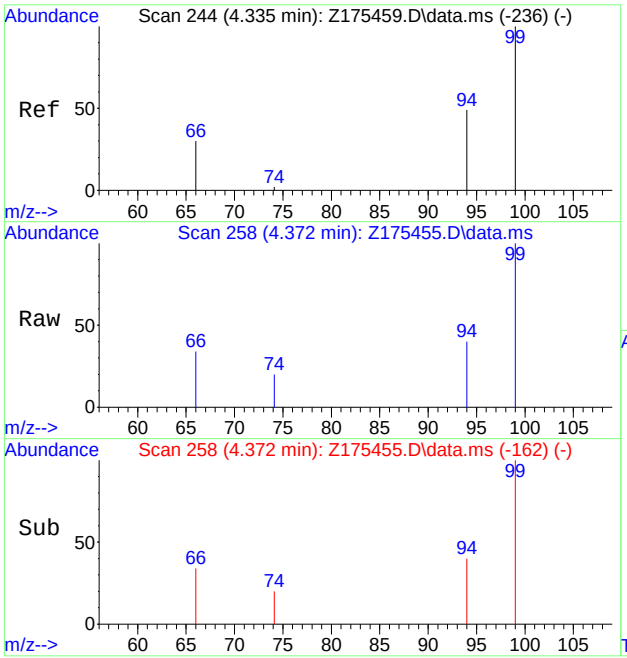


#2
1,4-Dioxane
Concen: 8.47 ppb m
RT: 2.241 min Scan# 23
Delta R.T. 0.000 min
Lab File: Z175455.D
Acq: 10 Sep 2025 1:05 pm

Tgt Ion: 88 Resp: 35

Ion	Ratio	Lower	Upper
88	100		
58	26.6	15.6	55.6
57	37.6	0.0	40.0

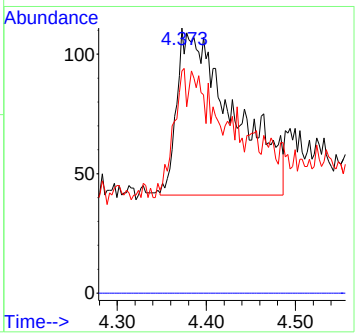


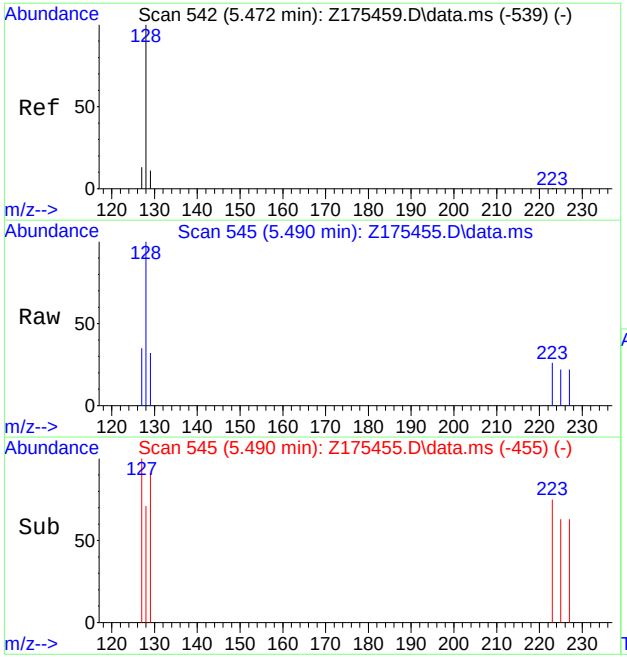


#5
Phenol
Concen: 35.37 ppb m
RT: 4.372 min Scan# 258
Delta R.T. 0.038 min
Lab File: Z175455.D
Acq: 10 Sep 2025 1:05 pm

Tgt Ion: 94 Resp: 304

Ion	Ratio	Lower	Upper
94	100		
65	0.0	0.0	0.0
66	83.8	49.8	74.8#

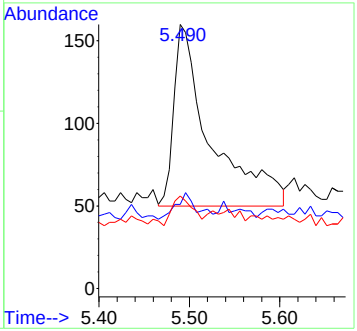


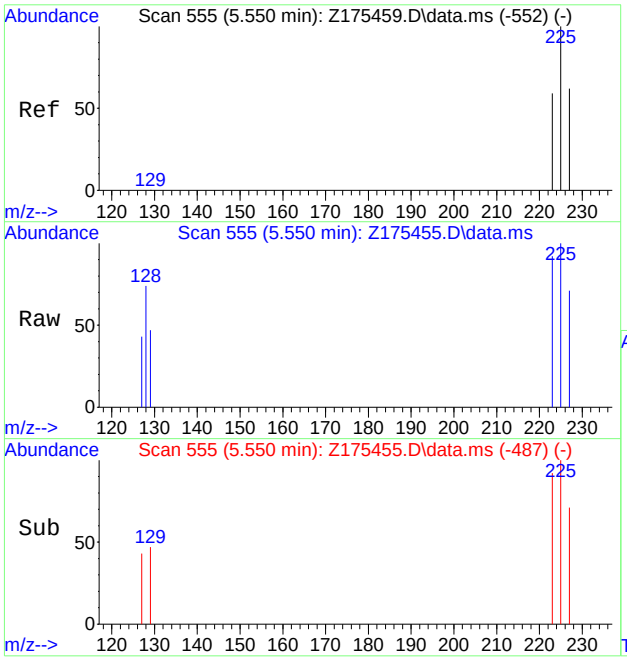


#7
Naphthalene
Concen: 10.63 ppb m
RT: 5.490 min Scan# 545
Delta R.T. 0.018 min
Lab File: Z175455.D
Acq: 10 Sep 2025 1:05 pm

Tgt Ion:128 Resp: 310

Ion	Ratio	Lower	Upper
128	100		
129	31.9	0.0	40.6
127	35.0	0.0	43.3

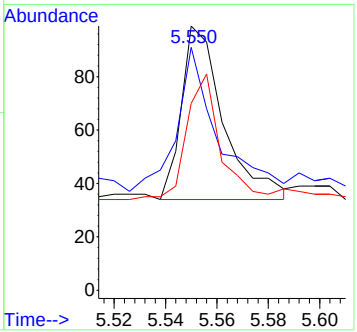


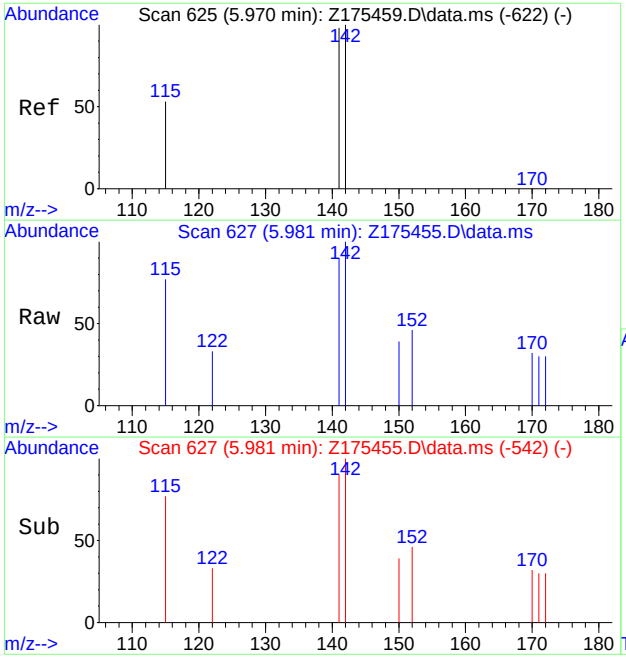


#8
Hexachlorobutadiene
Concen: 9.56 ppb
RT: 5.550 min Scan# 555
Delta R.T. 0.000 min
Lab File: Z175455.D
Acq: 10 Sep 2025 1:05 pm

Tgt Ion:225 Resp: 74

Ion	Ratio	Lower	Upper
225	100		
223	77.0	29.0	89.0
227	53.2	32.1	92.1

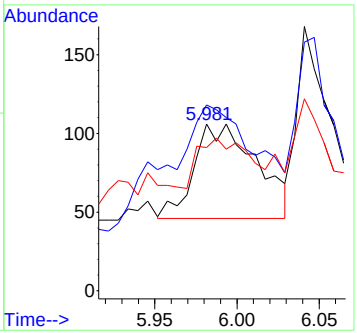


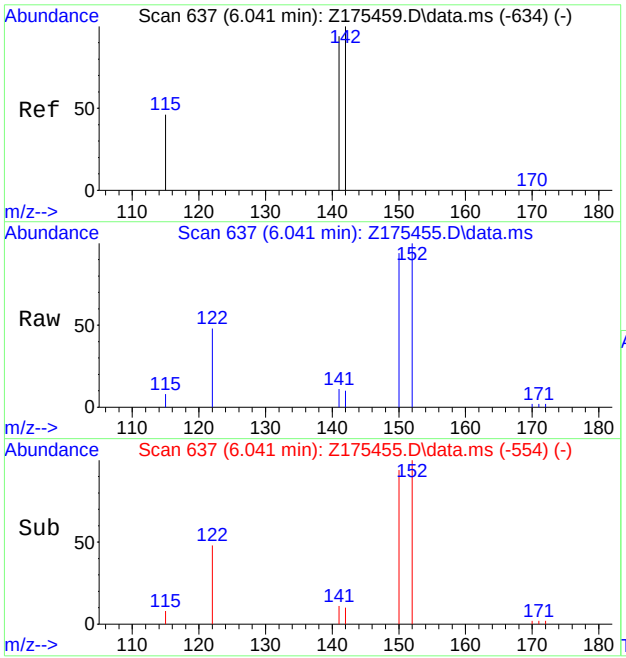


#9
2-Methylnaphthalene
Concen: 8.79 ppb m
RT: 5.981 min Scan# 627
Delta R.T. 0.012 min
Lab File: Z175455.D
Acq: 10 Sep 2025 1:05 pm

Tgt Ion:141 Resp: 159

Ion	Ratio	Lower	Upper
141	100		
142	111.3	77.1	137.1
115	85.8	24.3	84.3#

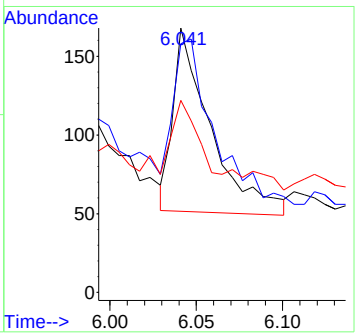




#10
1-Methylnaphthalene
Concen: 9.51 ppb
RT: 6.041 min Scan# 637
Delta R.T. 0.000 min
Lab File: Z175455.D
Acq: 10 Sep 2025 1:05 pm

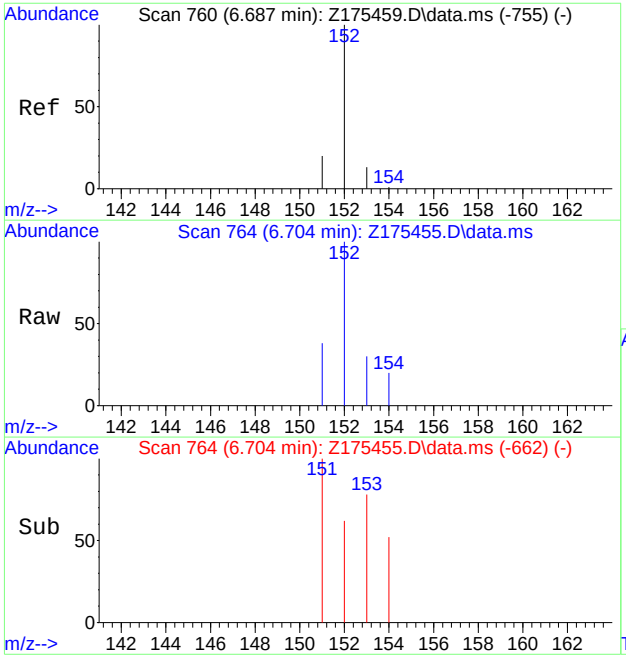
Tgt Ion:141 Resp: 176

Ion	Ratio	Lower	Upper
141	100		
142	86.1	77.6	137.6
115	49.8	19.1	79.1



9.5.31

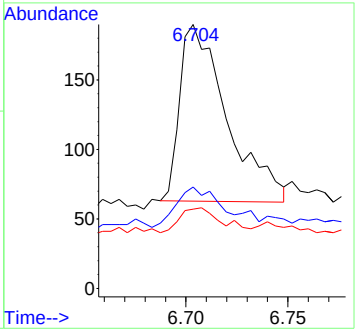
9

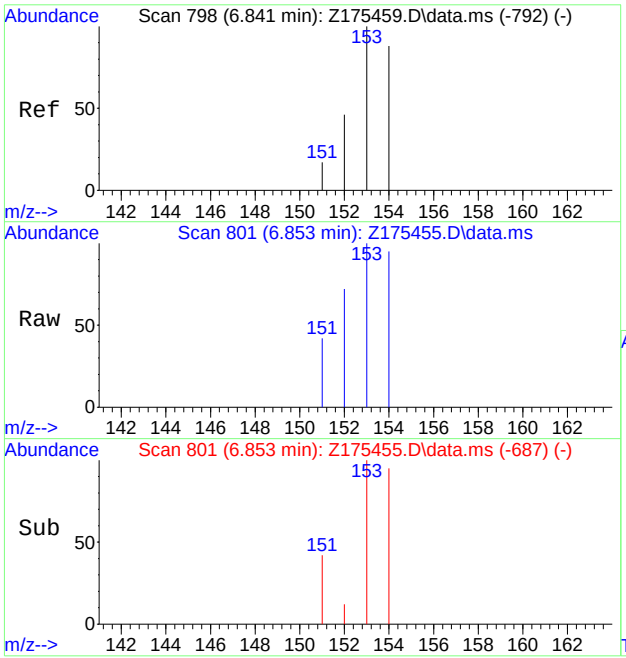


#14
Acenaphthylene
Concen: 6.88 ppb
RT: 6.704 min Scan# 764
Delta R.T. 0.016 min
Lab File: Z175455.D
Acq: 10 Sep 2025 1:05 pm

Tgt Ion:152 Resp: 206

Ion	Ratio	Lower	Upper
152	100		
151	20.1	0.0	50.1
153	12.3	0.0	42.6

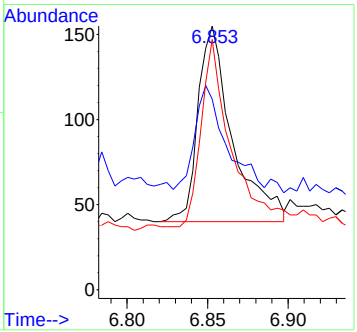


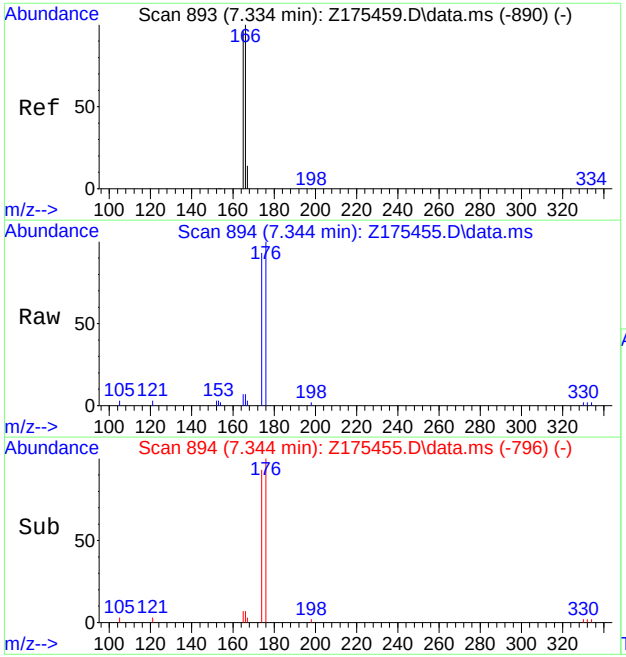


#15
Acenaphthene
Concen: 8.12 ppb
RT: 6.853 min Scan# 801
Delta R.T. 0.012 min
Lab File: Z175455.D
Acq: 10 Sep 2025 1:05 pm

Tgt Ion:153 Resp: 171

Ion	Ratio	Lower	Upper
153	100		
152	46.9	16.6	76.6
154	93.8	57.9	117.9

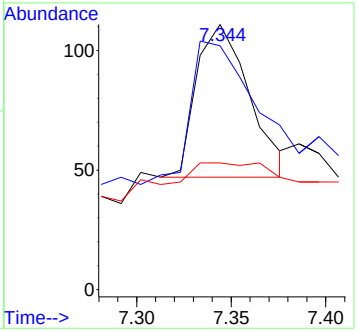


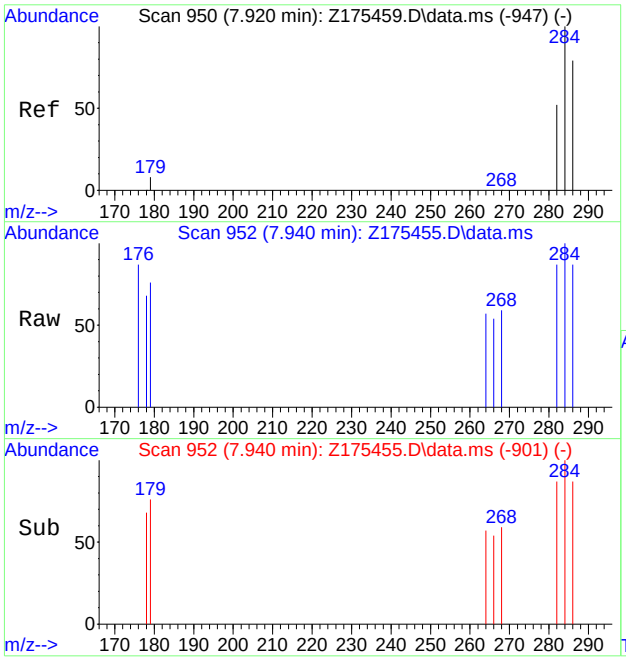


#16
Fluorene
Concen: 5.11 ppb m
RT: 7.344 min Scan# 894
Delta R.T. 0.010 min
Lab File: Z175455.D
Acq: 10 Sep 2025 1:05 pm

Tgt Ion:166 Resp: 124

Ion	Ratio	Lower	Upper
166	100		
165	91.9	65.8	125.8
167	47.7	0.0	43.5#

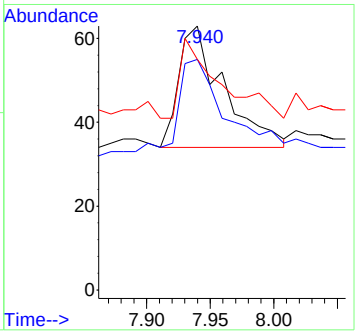


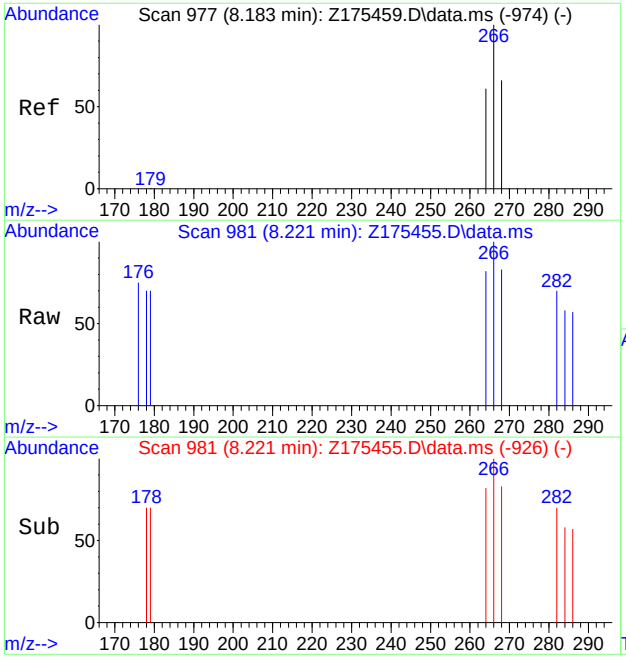


#20
Hexachlorobenzene
Concen: 7.87 ppb
RT: 7.940 min Scan# 952
Delta R.T. 0.019 min
Lab File: Z175455.D
Acq: 10 Sep 2025 1:05 pm

Tgt Ion:284 Resp: 71

Ion	Ratio	Lower	Upper
284	100		
286	73.2	48.9	108.9
282	50.0	22.1	82.1

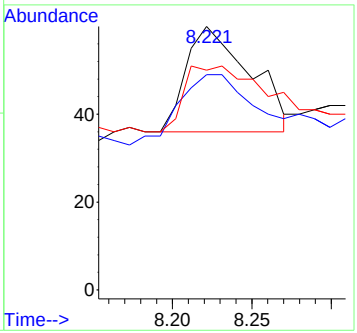


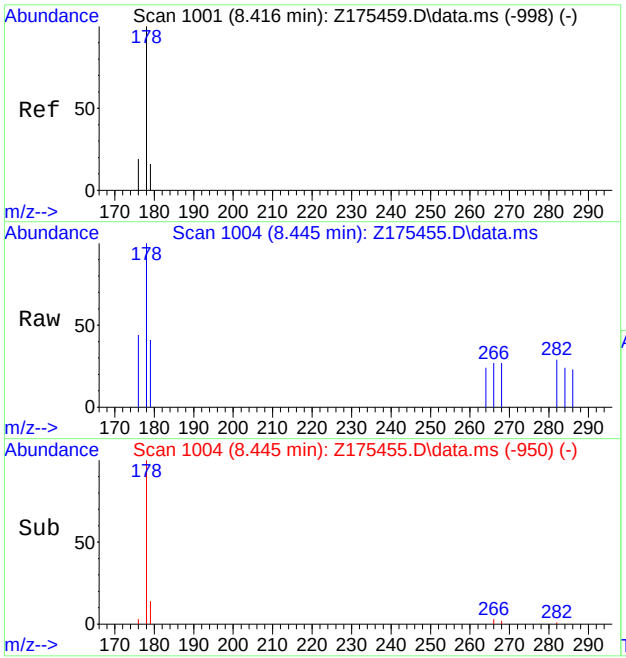


#21
Pentachlorophenol
Concen: 22.45 ppb
RT: 8.221 min Scan# 981
Delta R.T. 0.039 min
Lab File: Z175455.D
Acq: 10 Sep 2025 1:05 pm

Tgt Ion:266 Resp: 67

Ion	Ratio	Lower	Upper
266	100		
264	54.5	30.8	90.8
268	43.2	36.3	96.3

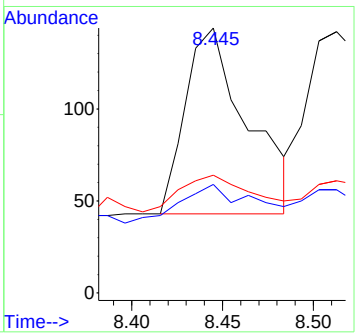


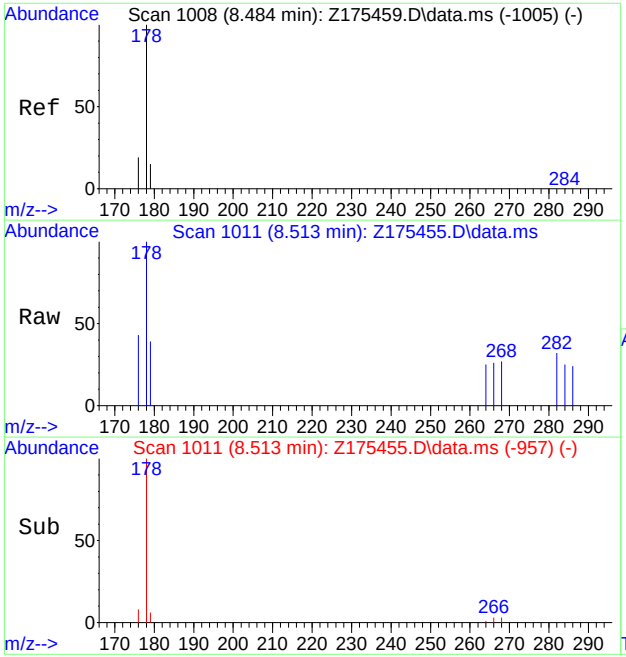


#22
Phenanthrene
Concen: 7.58 ppb
RT: 8.445 min Scan# 1004
Delta R.T. 0.029 min
Lab File: Z175455.D
Acq: 10 Sep 2025 1:05 pm

Tgt Ion:178 Resp: 240

Ion	Ratio	Lower	Upper
178	100		
179	17.0	0.0	45.6
176	18.1	0.0	48.6

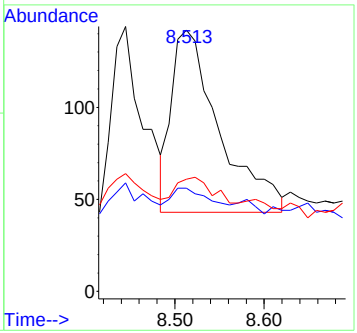


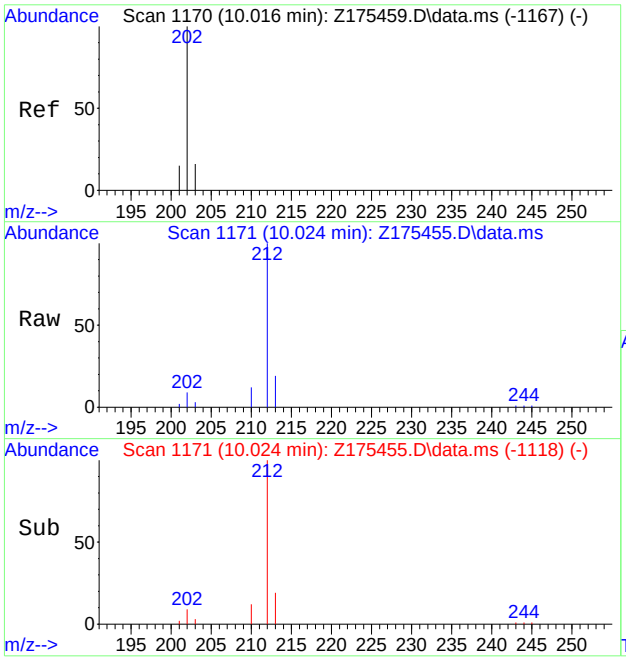


#23
Anthracene
Concen: 9.39 ppb m
RT: 8.513 min Scan# 1011
Delta R.T. 0.029 min
Lab File: Z175455.D
Acq: 10 Sep 2025 1:05 pm

Tgt Ion:178 Resp: 369

Ion	Ratio	Lower	Upper
178	100		
179	39.4	0.0	44.8
176	43.0	0.0	48.7

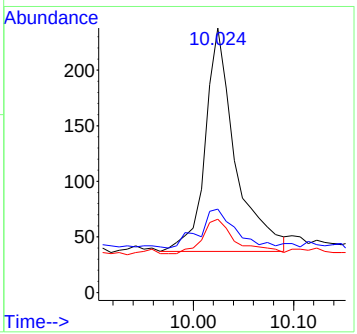


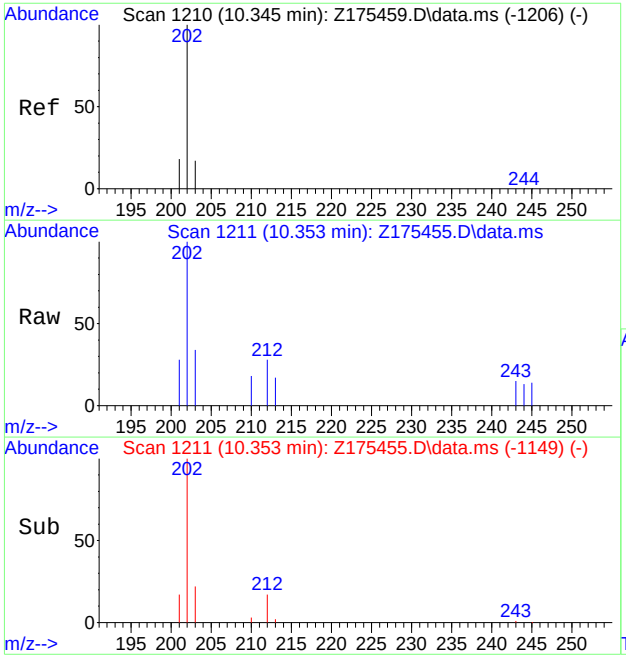


#24
Fluoranthene
Concen: 11.09 ppb
RT: 10.024 min Scan# 1171
Delta R.T. 0.008 min
Lab File: Z175455.D
Acq: 10 Sep 2025 1:05 pm

Tgt Ion:202 Resp: 418

Ion	Ratio	Lower	Upper
202	100		
203	16.7	0.0	46.4
201	15.7	0.0	45.1

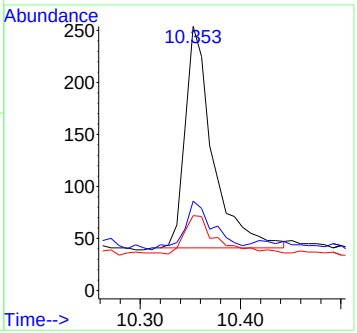


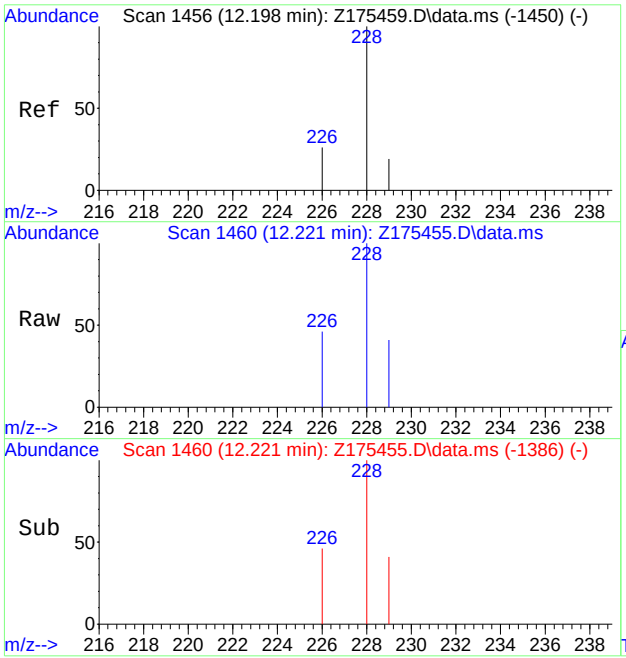


#25
Pyrene
Concen: 10.28 ppb
RT: 10.353 min Scan# 1211
Delta R.T. 0.008 min
Lab File: Z175455.D
Acq: 10 Sep 2025 1:05 pm

Tgt Ion:202 Resp: 408

Ion	Ratio	Lower	Upper
202	100		
203	19.3	0.0	47.4
201	17.1	0.0	47.8

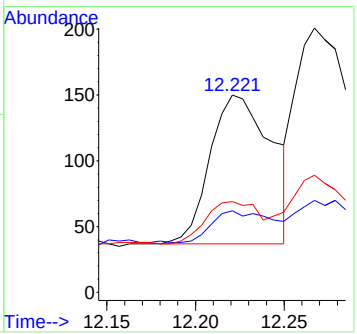


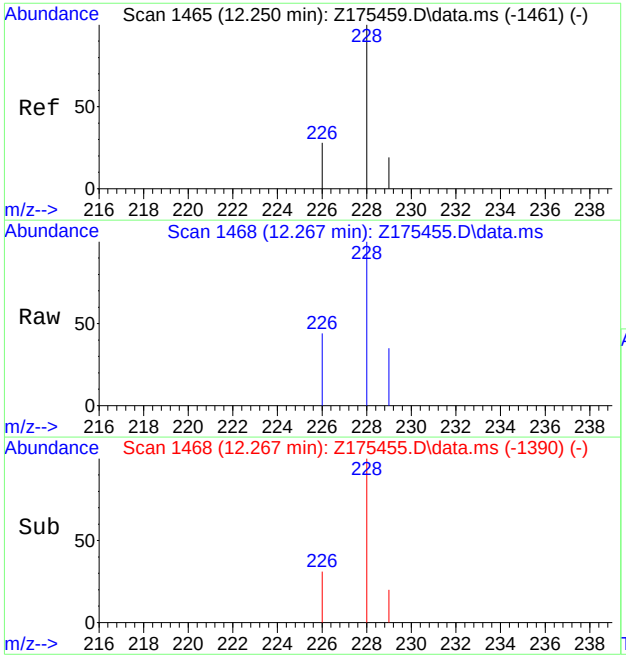


#27
Benzo[a]anthracene
Concen: 10.85 ppb
RT: 12.221 min Scan# 1460
Delta R.T. 0.023 min
Lab File: Z175455.D
Acq: 10 Sep 2025 1:05 pm

Tgt Ion:228 Resp: 273

Ion	Ratio	Lower	Upper
228	100		
229	20.5	0.0	49.3
226	26.5	0.0	55.6

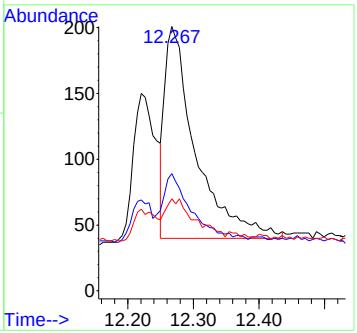


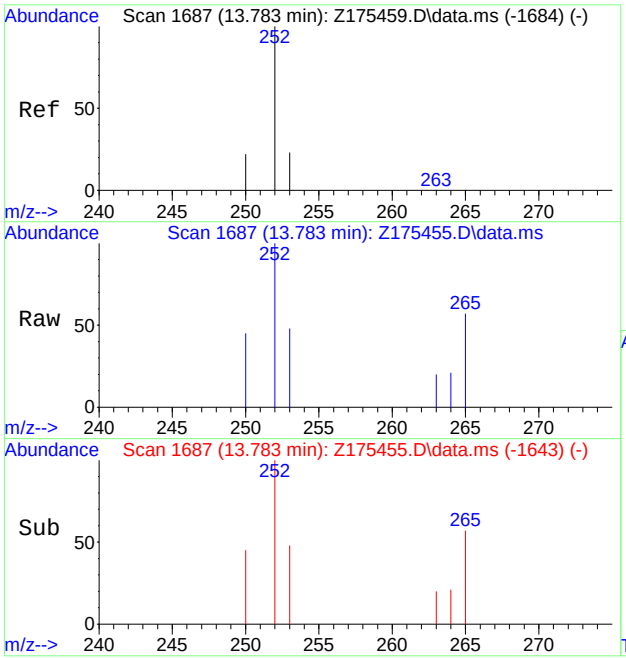


#28
Chrysene
Concen: 12.15 ppb m
RT: 12.267 min Scan# 1468
Delta R.T. 0.017 min
Lab File: Z175455.D
Acq: 10 Sep 2025 1:05 pm

Tgt Ion:228 Resp: 525

Ion	Ratio	Lower	Upper
228	100		
226	44.3	0.0	58.4
229	34.8	0.0	49.1

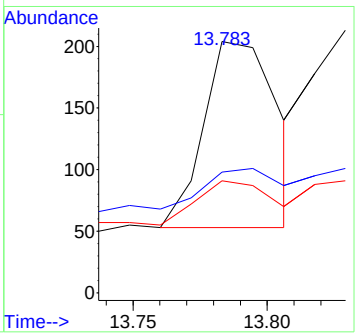


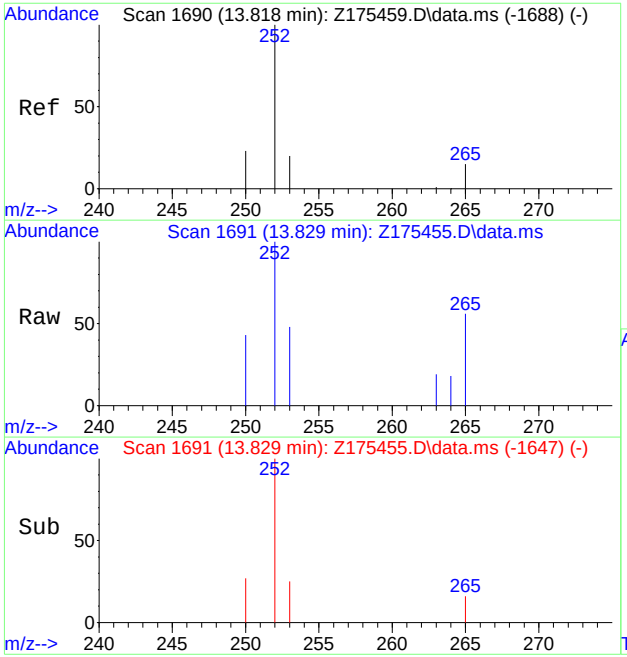


#30
Benzo[b]fluoranthene
Concen: 12.19 ppb
RT: 13.783 min Scan# 1687
Delta R.T. 0.000 min
Lab File: Z175455.D
Acq: 10 Sep 2025 1:05 pm

Tgt Ion:252 Resp: 291

Ion	Ratio	Lower	Upper
252	100		
253	19.1	0.0	52.6
250	26.5	0.0	51.9

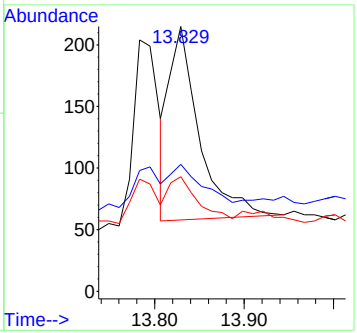


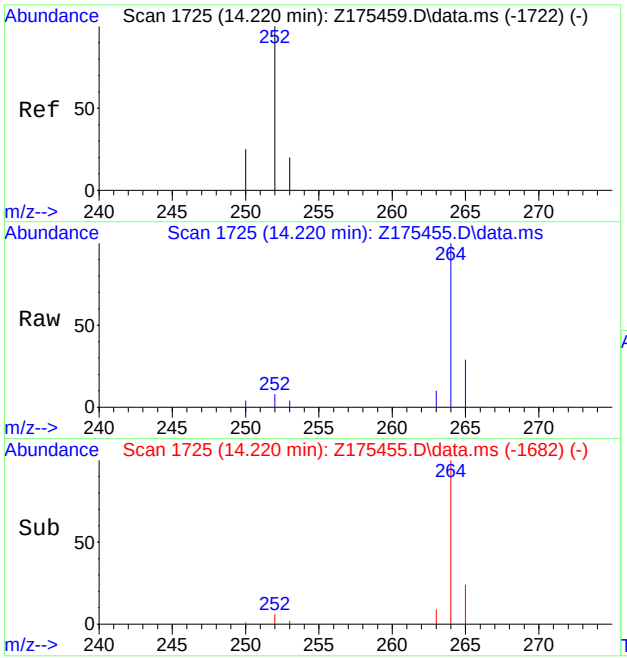


#31
Benzo[k]fluoranthene
Concen: 9.80 ppb
RT: 13.829 min Scan# 1691
Delta R.T. 0.012 min
Lab File: Z175455.D
Acq: 10 Sep 2025 1:05 pm

Tgt Ion:252 Resp: 369

Ion	Ratio	Lower	Upper
252	100		
253	18.4	0.0	51.0
250	24.6	0.0	53.1

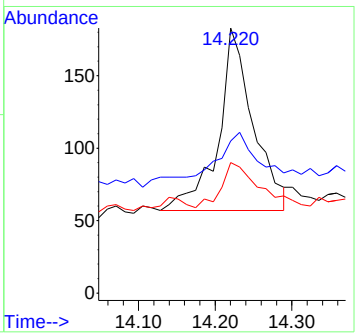


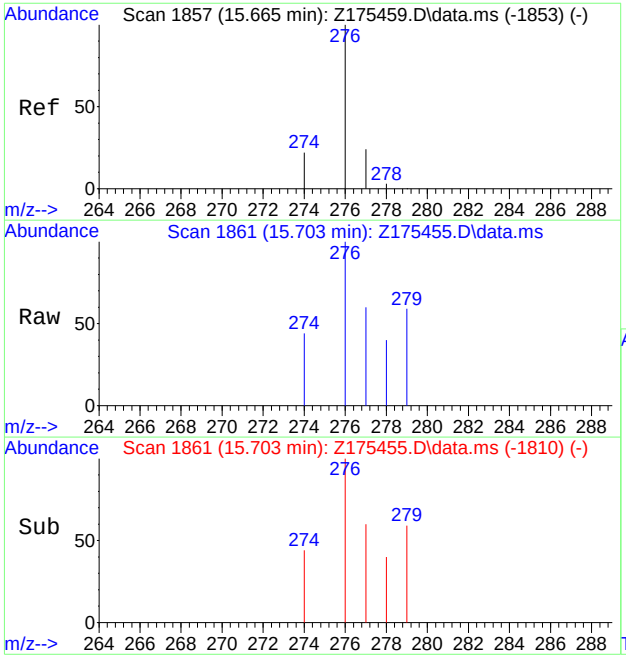


#32
Benzo[a]pyrene
Concen: 13.89 ppb
RT: 14.220 min Scan# 1725
Delta R.T. 0.000 min
Lab File: Z175455.D
Acq: 10 Sep 2025 1:05 pm

Tgt Ion:252 Resp: 400

Ion	Ratio	Lower	Upper
252	100		
253	19.9	0.0	50.2
250	22.5	0.0	54.3

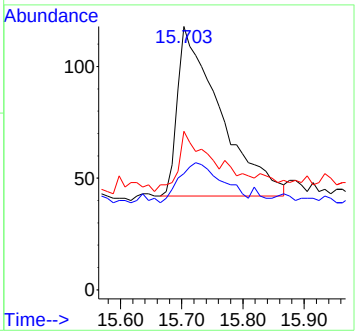


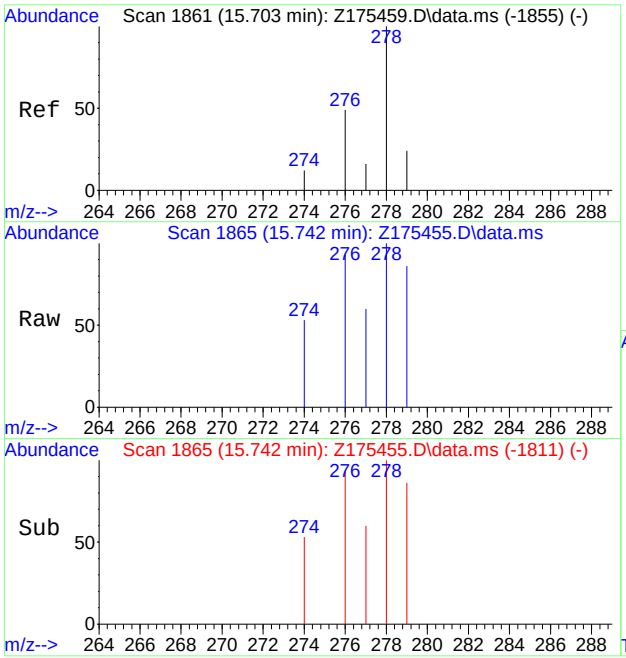


#33
Indeno[1,2,3-cd]pyrene
Concen: 11.23 ppb
RT: 15.703 min Scan# 1861
Delta R.T. 0.038 min
Lab File: Z175455.D
Acq: 10 Sep 2025 1:05 pm

Tgt Ion:276 Resp: 366

Ion	Ratio	Lower	Upper
276	100		
274	15.0	0.0	51.7
277	31.3	0.0	53.6

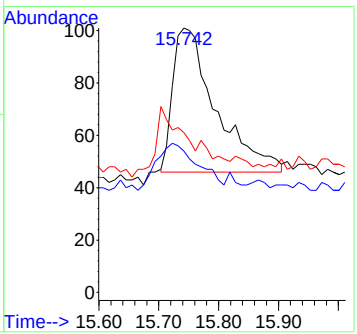


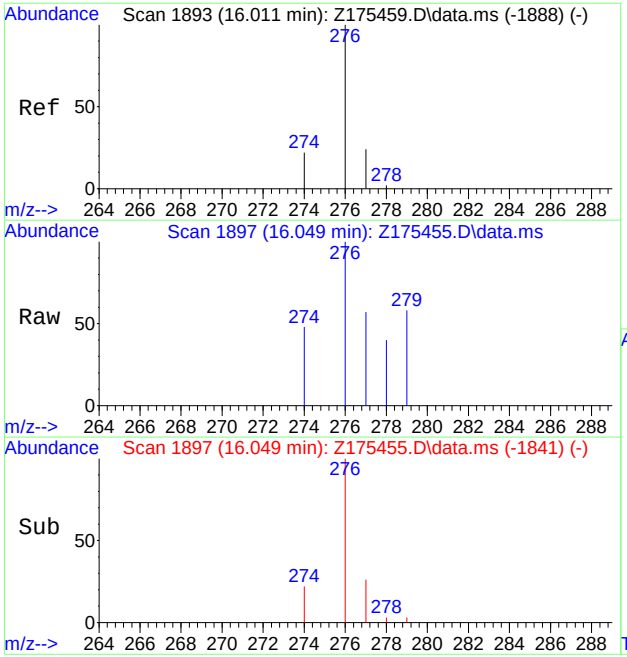


#34
Dibenz[a,h]anthracene
Concen: 10.15 ppb m
RT: 15.742 min Scan# 1865
Delta R.T. 0.038 min
Lab File: Z175455.D
Acq: 10 Sep 2025 1:05 pm

Tgt Ion:278 Resp: 274

Ion	Ratio	Lower	Upper
278	100		
274	53.5	0.0	44.0#
277	60.4	0.0	46.5#

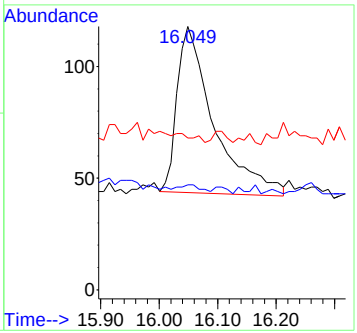




#35
Benzo[g,h,i]perylene
Concen: 11.37 ppb m
RT: 16.049 min Scan# 1897
Delta R.T. 0.038 min
Lab File: Z175455.D
Acq: 10 Sep 2025 1:05 pm

Tgt Ion:276 Resp: 323

Ion	Ratio	Lower	Upper
276	100		
278	39.8	0.0	32.8#
279	57.6	0.0	30.0#



Manual Integration Approval Summary

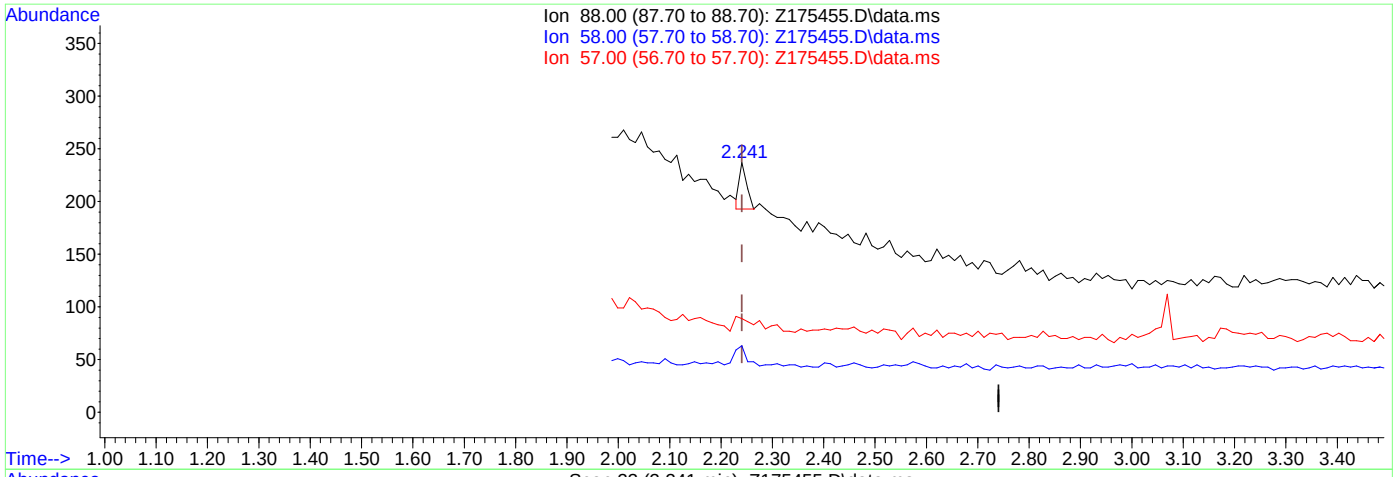
Sample Number: EZ8654-IC8654
Lab FileID: Z175455.D
Injection Time: 09/10/25 13:05
Method: SW846 8270E BY SIM
Analyst approved: 09/11/25 12:10 Ying Li
Supervisor approved: 09/15/25 15:51 Nina Pandya

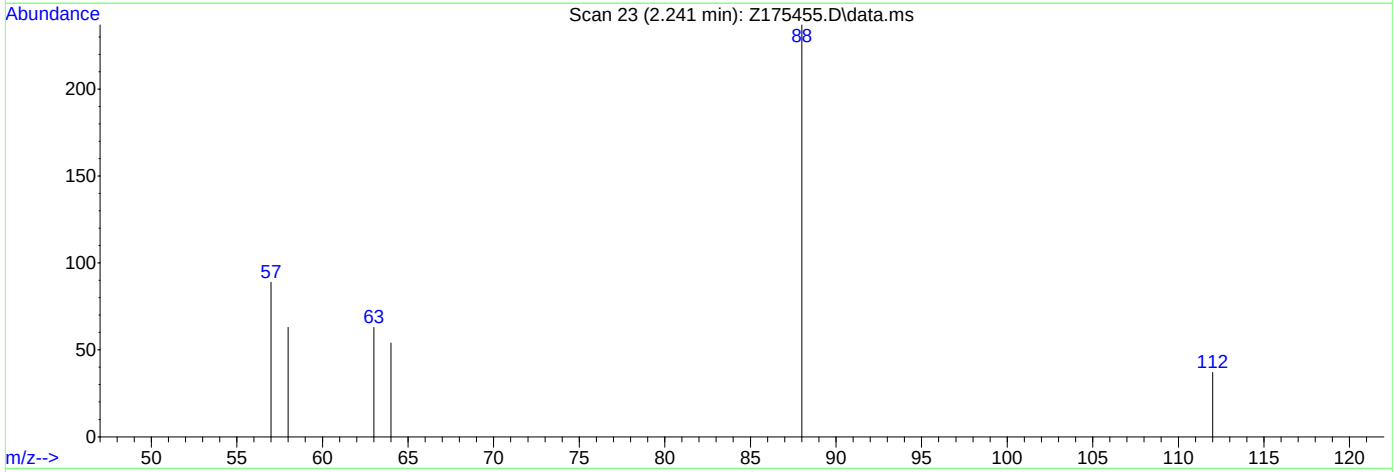
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,4-Dioxane	123-91-1		2.24	Poor instrument integration
Phenol	108-95-2		4.37	Poor instrument integration
Phenol-d5	4165-62-2		4.37	Poor instrument integration
Nitrobenzene-d5	4165-60-0		4.98	Poor instrument integration
Naphthalene	91-20-3		5.49	Poor instrument integration
2-Methylnaphthalene	91-57-6		5.98	Poor instrument integration
Fluorene	86-73-7		7.34	Poor instrument integration
2,4,6-Tribromophenol	118-79-6		7.62	Poor instrument integration
Anthracene	120-12-7		8.51	Poor instrument integration
Chrysene	218-01-9		12.27	Poor instrument integration
Dibenzo(a,h)anthracene	53-70-3		15.74	Poor instrument integration
Benzo(g,h,i)perylene	191-24-2		16.05	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175455.D
Acq On : 10 Sep 2025 1:05 pm
Operator : rocquans
Sample : ic8654-0.01
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 16:39:08 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175455.D\data.ms

(2) 1,4-Dioxane (t)

2.241min (+0.000) 10.64ppb

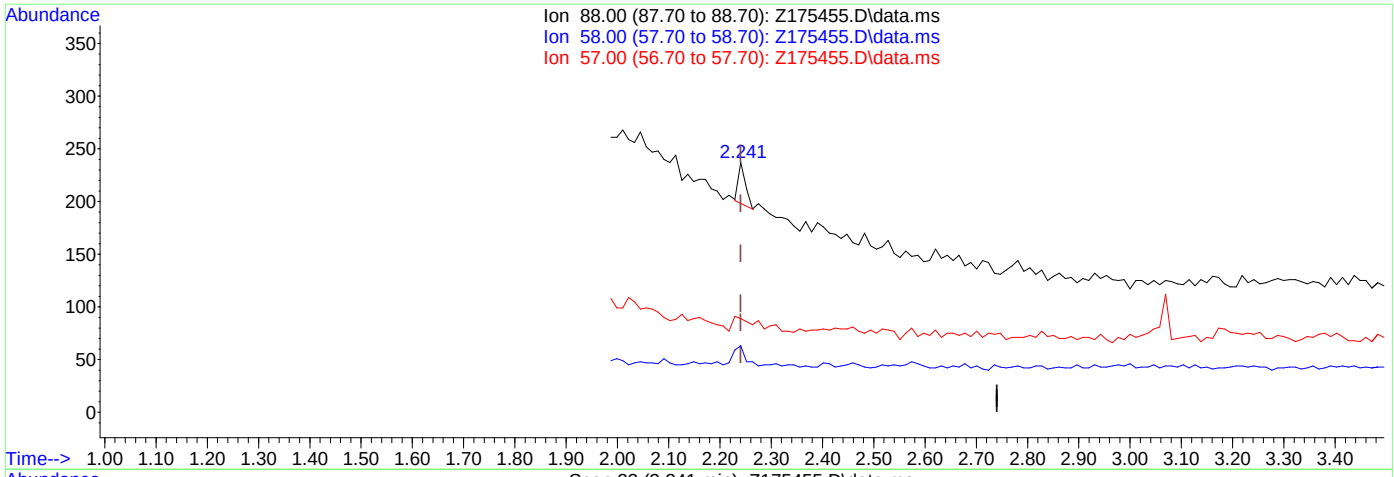
response 44

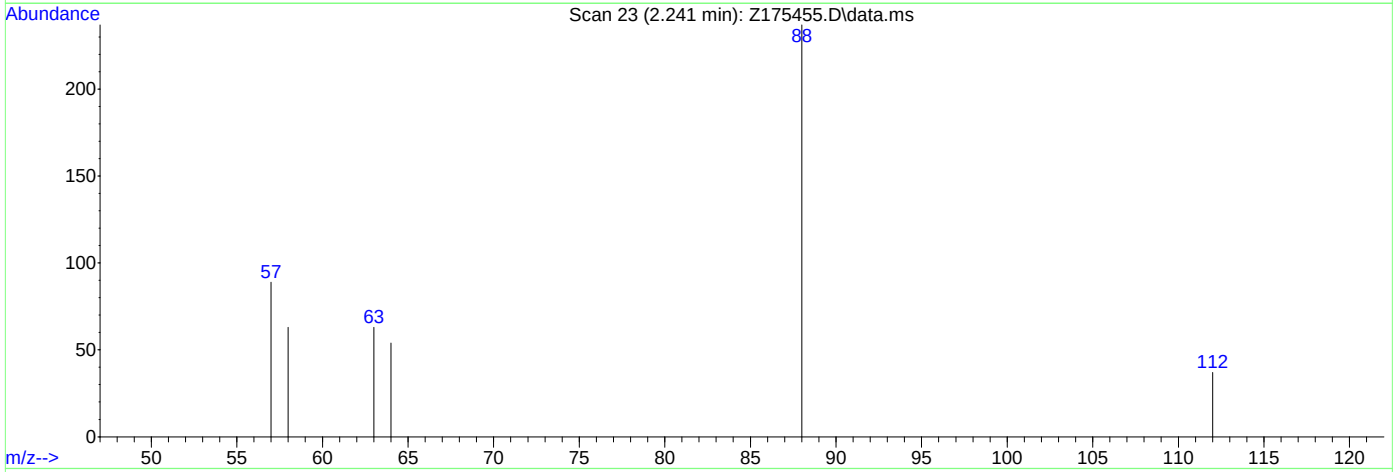
Ion	Exp%	Act%
88.00	100	100
58.00	35.60	24.05
57.00	20.00	5.06
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175455.D
Acq On : 10 Sep 2025 1:05 pm
Operator : rocquans
Sample : ic8654-0.01
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 16:39:08 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175455.D\data.ms

(2) 1,4-Dioxane (t)

2.241min (+0.000) 8.47ppb m

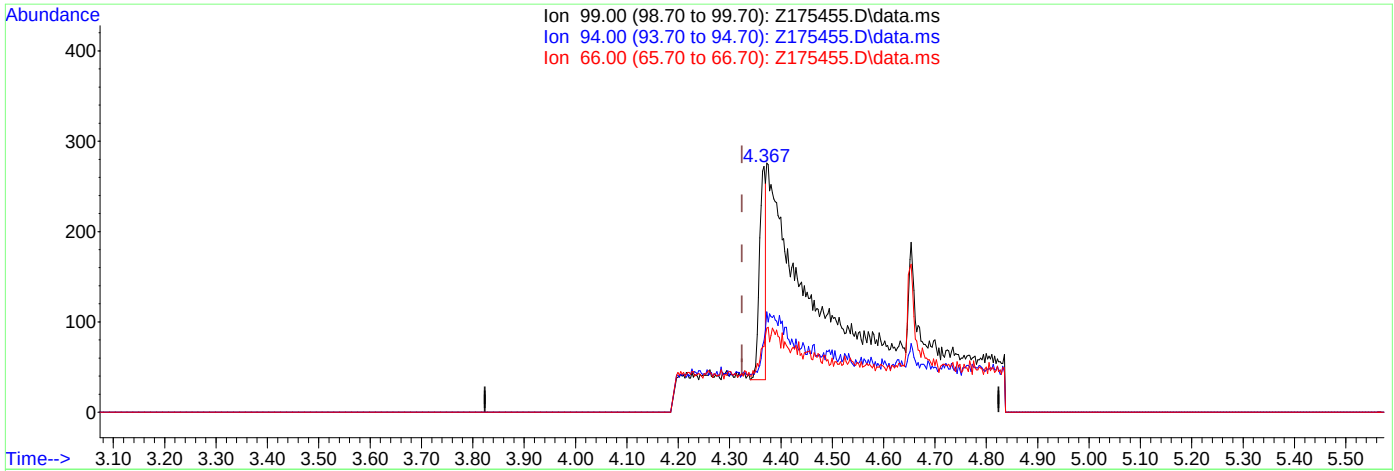
response 35

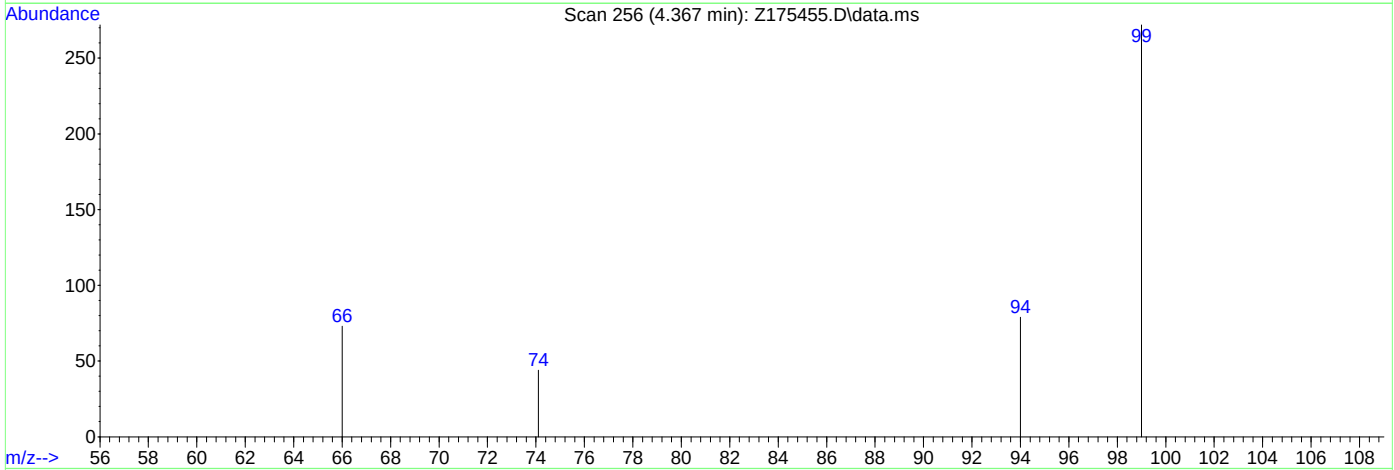
Ion	Exp%	Act%
88.00	100	100
58.00	35.60	26.58
57.00	20.00	37.55
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175455.D
Acq On : 10 Sep 2025 1:05 pm
Operator : rocquans
Sample : ic8654-0.01
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 16:39:08 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175455.D\data.ms

(4) Phenol-d5 (S)

4.367min (+0.043) 23.00ppb

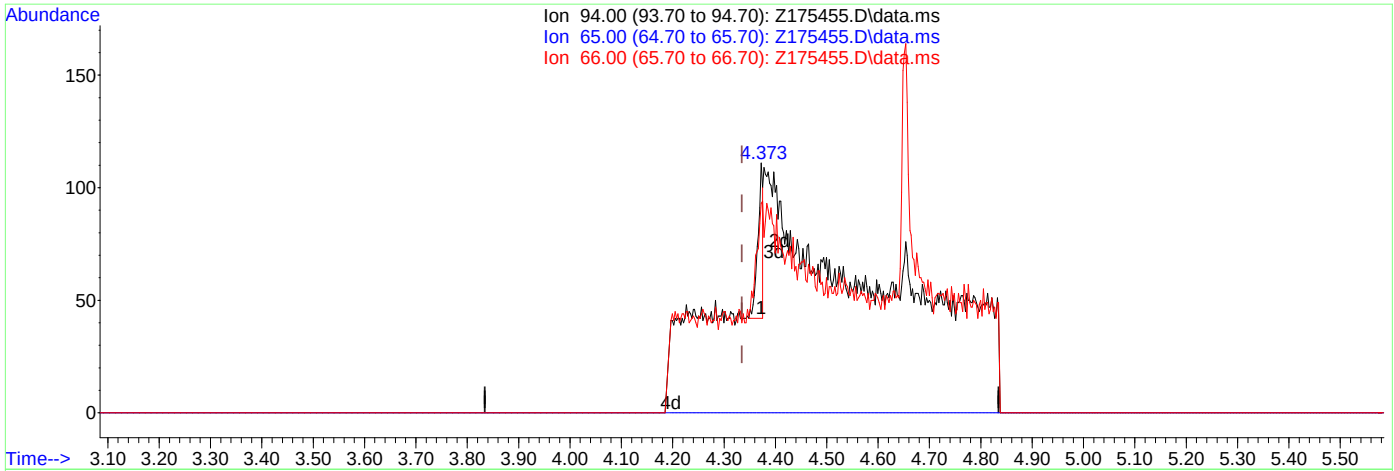
response 195

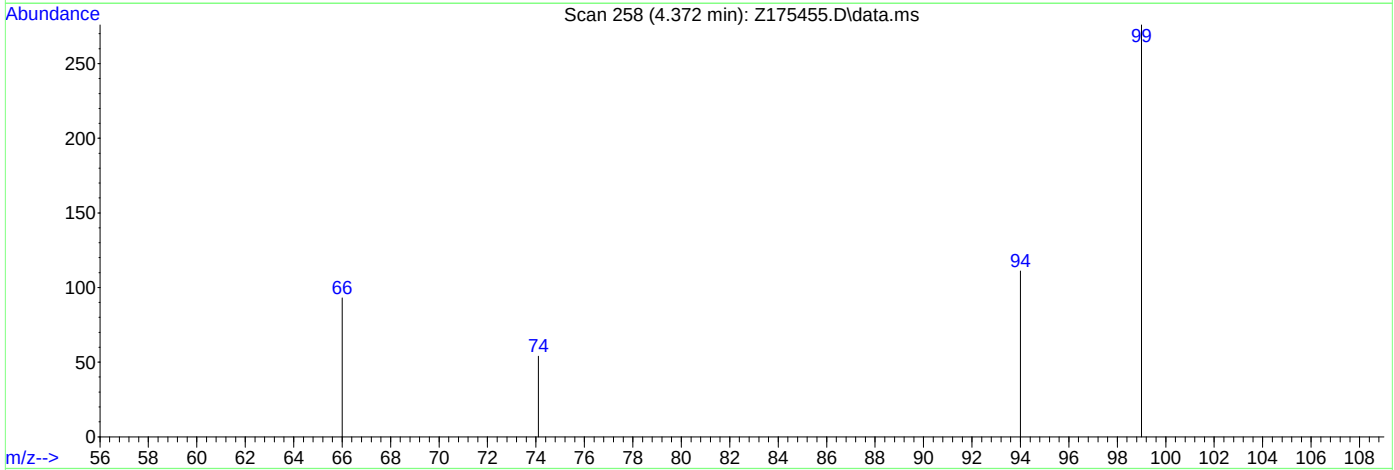
Ion	Exp%	Act%
99.00	100	100
94.00	0.40	9.80
66.00	7.40	8.63
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175455.D
Acq On : 10 Sep 2025 1:05 pm
Operator : rocquans
Sample : ic8654-0.01
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 16:39:08 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175455.D\data.ms

(5) Phenol

4.372min (+0.038) 5.35ppb

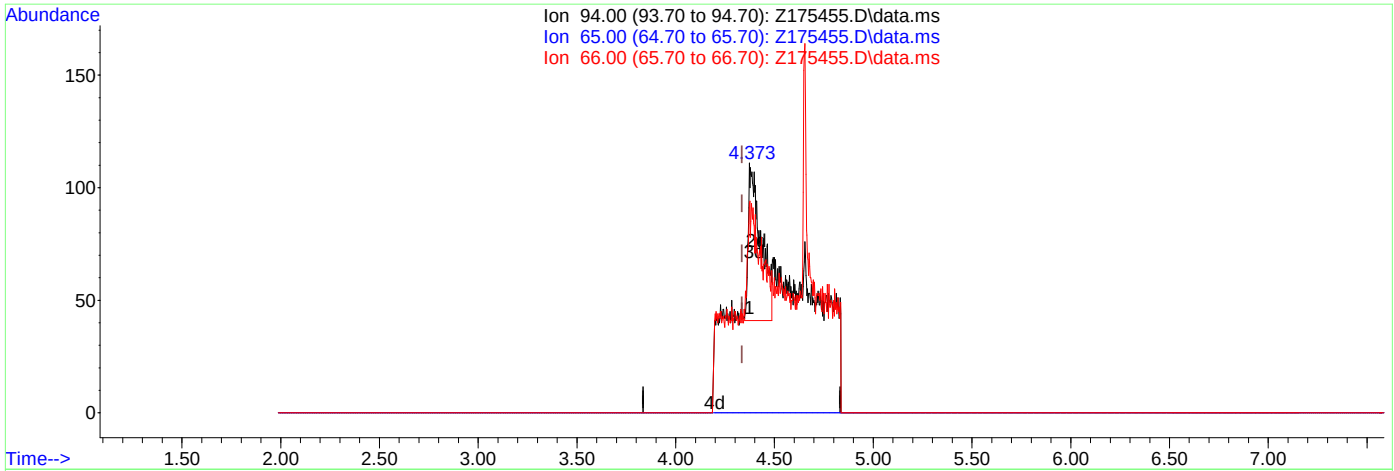
response 46

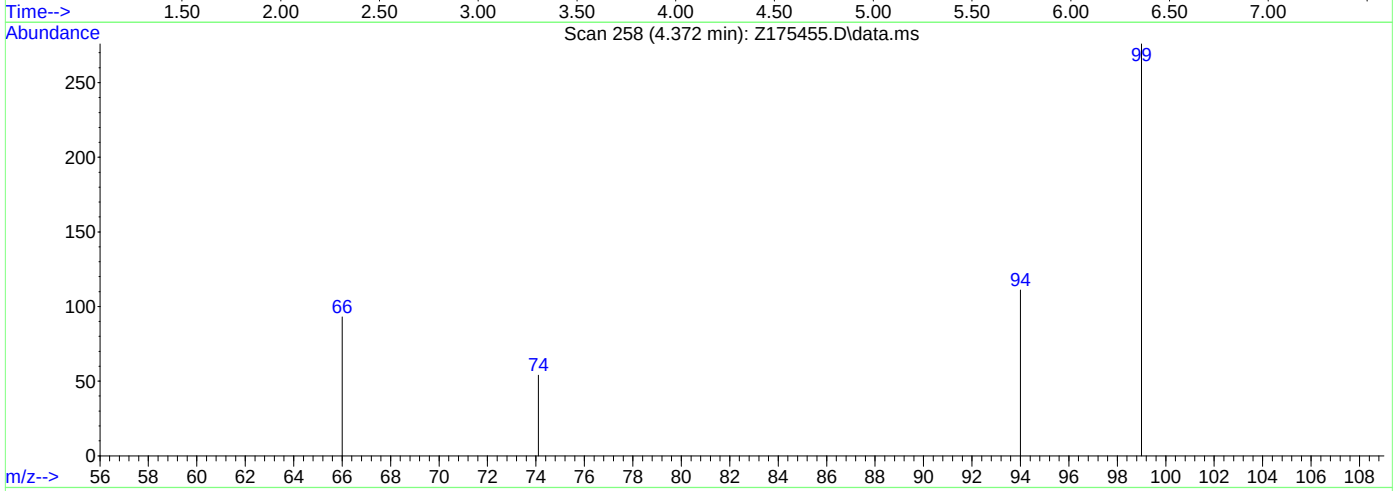
Ion	Exp%	Act%
94.00	100	100
65.00	0.00	0.00
66.00	62.30	61.25
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175455.D
Acq On : 10 Sep 2025 1:05 pm
Operator : rocquans
Sample : ic8654-0.01
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 16:39:08 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175455.D\data.ms

(5) Phenol

4.372min (+0.038) 35.37ppb m

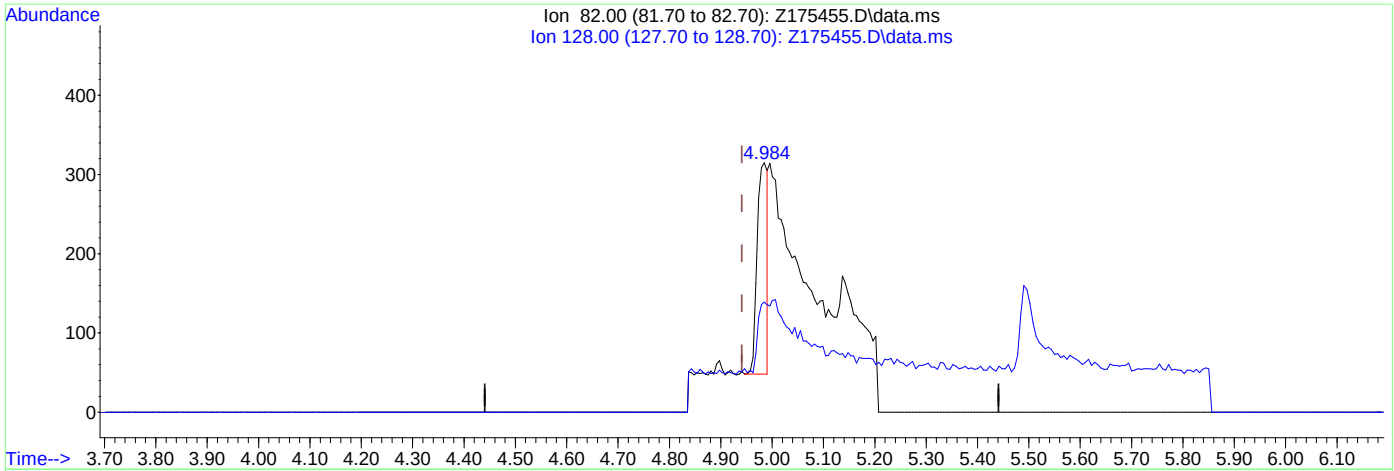
response 304

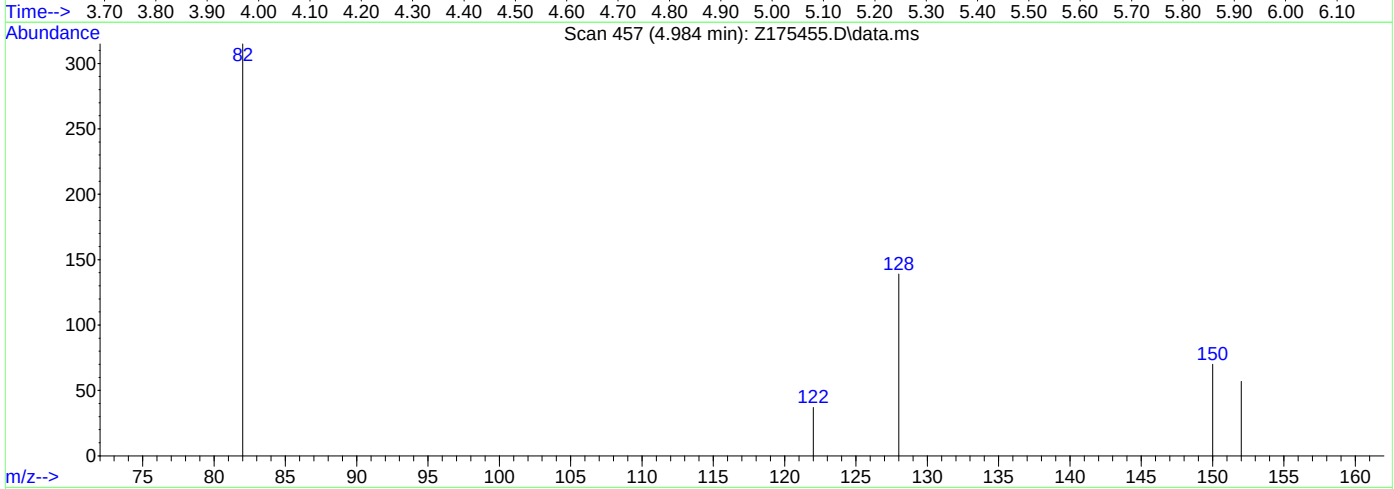
Ion	Exp%	Act%
94.00	100	100
65.00	0.00	0.00
66.00	62.30	83.78#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175455.D
Acq On : 10 Sep 2025 1:05 pm
Operator : rocquans
Sample : ic8654-0.01
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 16:39:08 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175455.D\data.ms

(6) Nitrobenzene-d5 (S)

4.984min (+0.044) 39.83ppb

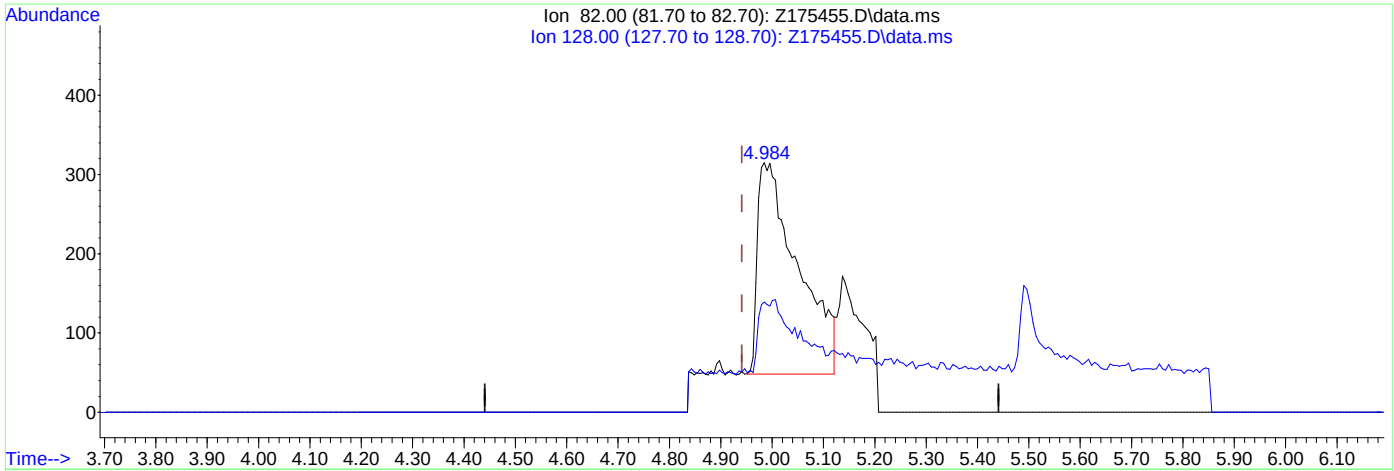
response 375

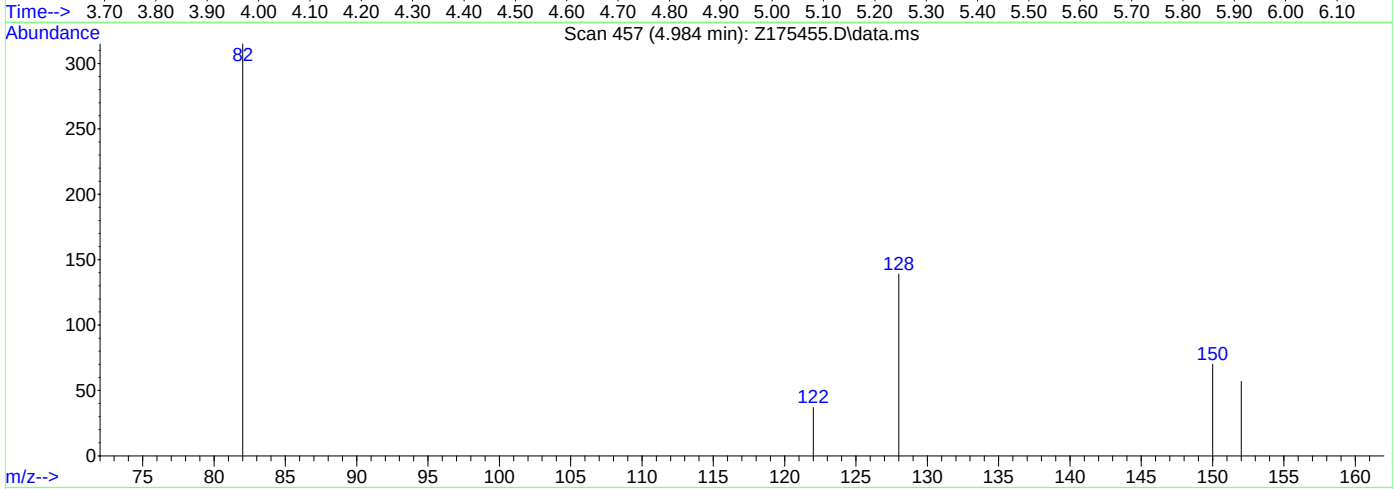
Ion	Exp%	Act%
82.00	100	100
128.00	23.60	31.41
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175455.D
Acq On : 10 Sep 2025 1:05 pm
Operator : rocquans
Sample : ic8654-0.01
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 16:39:08 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175455.D\data.ms

(6) Nitrobenzene-d5 (S)

4.984min (+0.044) 155.18ppb m

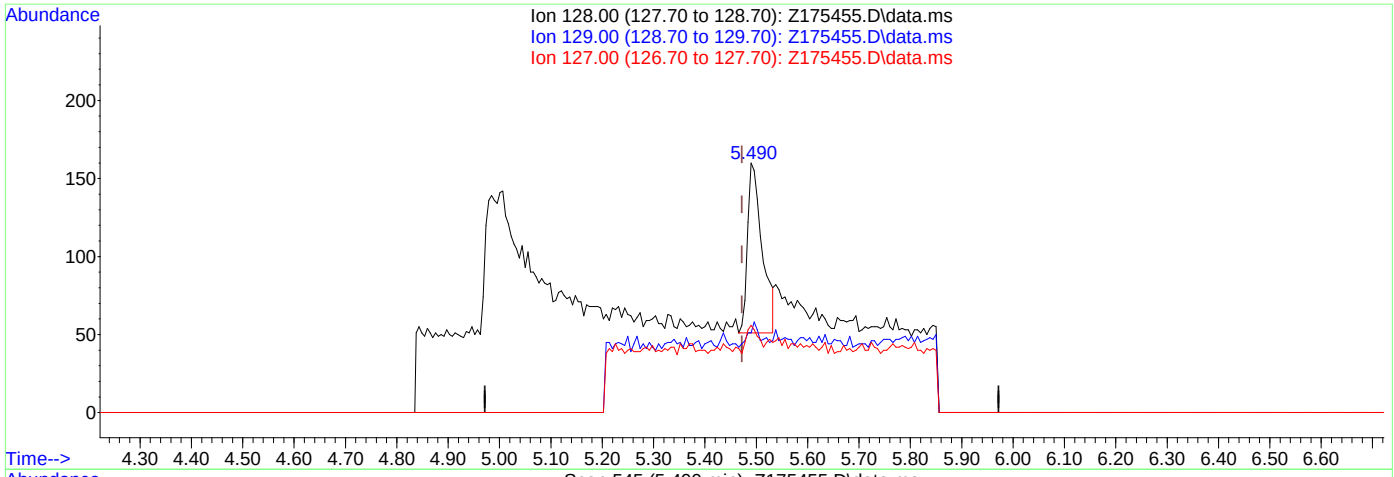
response 1461

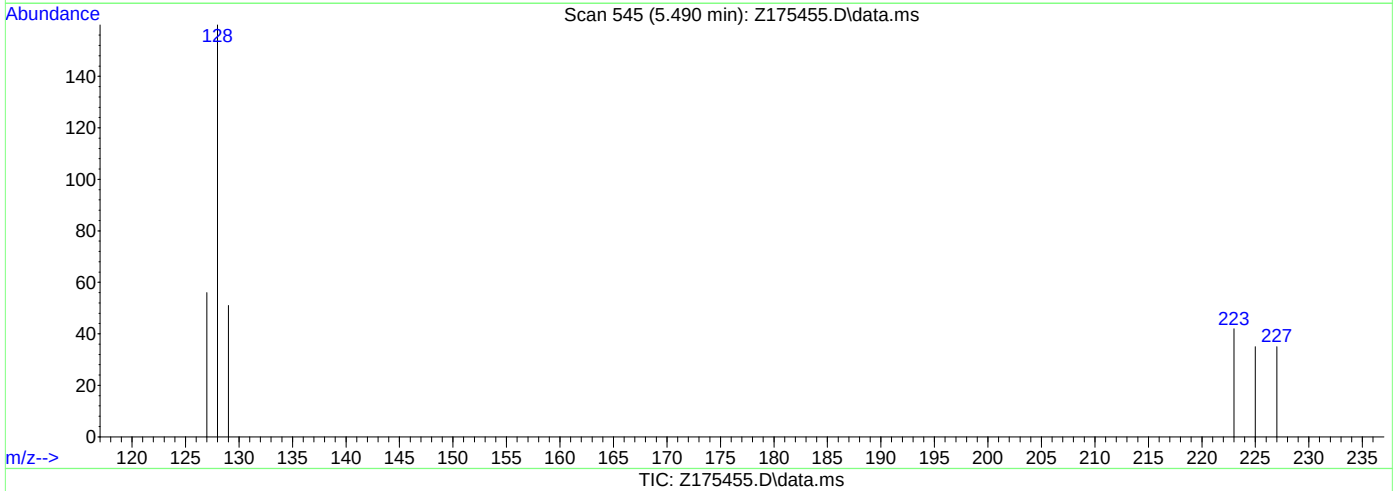
Ion	Exp%	Act%
82.00	100	100
128.00	23.60	44.13
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175455.D
Acq On : 10 Sep 2025 1:05 pm
Operator : rocquans
Sample : ic8654-0.01
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 16:39:08 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175455.D\data.ms

(7) Naphthalene (t)

5.490min (+0.018) 7.44ppb

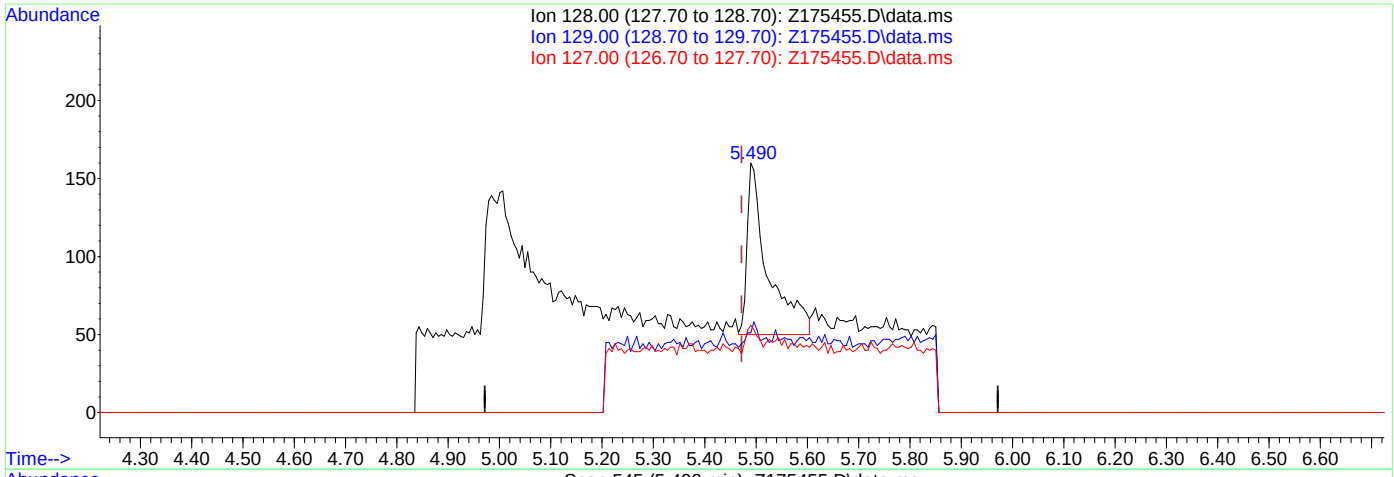
response 217

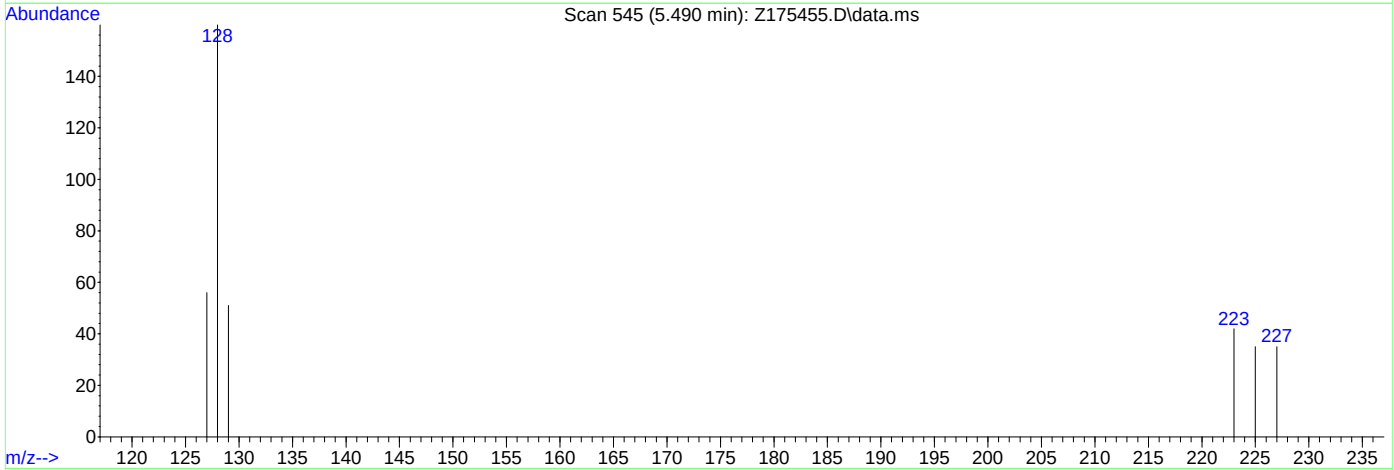
Ion	Exp%	Act%
128.00	100	100
129.00	10.60	7.41
127.00	13.30	13.76
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175455.D
Acq On : 10 Sep 2025 1:05 pm
Operator : rocquans
Sample : ic8654-0.01
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 16:39:08 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175455.D\data.ms

(7) Naphthalene (t)

5.490min (+0.018) 10.63ppb m

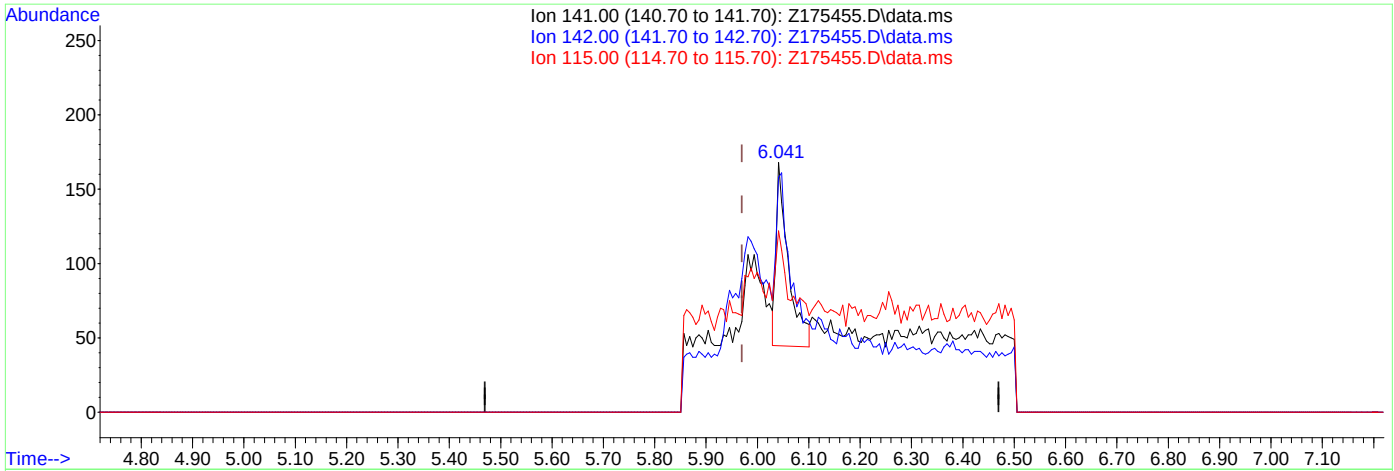
response 310

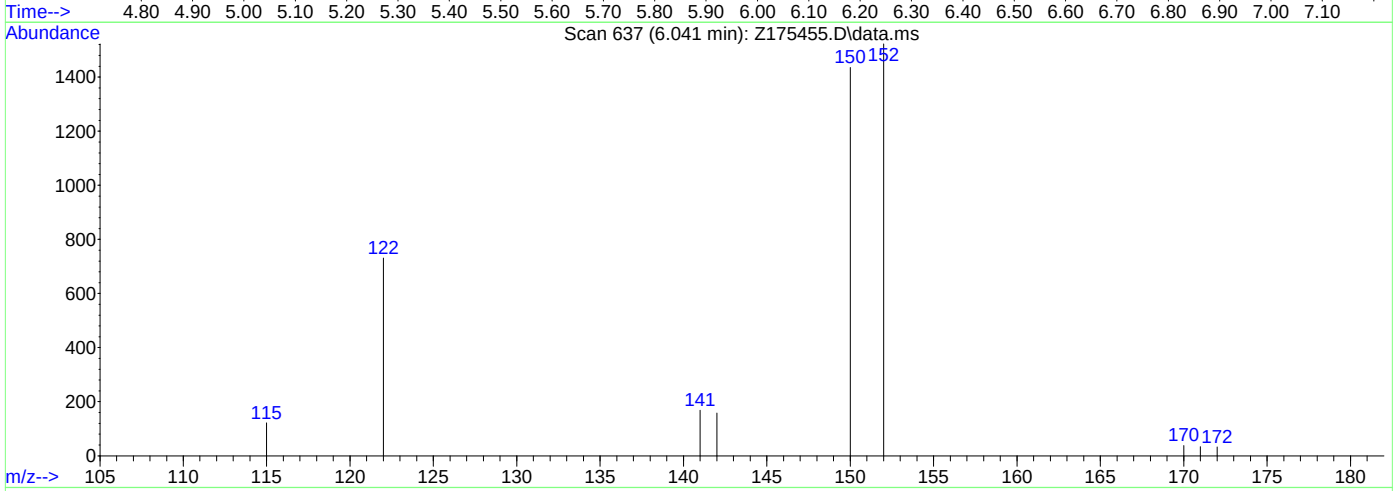
Ion	Exp%	Act%
128.00	100	100
129.00	10.60	31.87
127.00	13.30	35.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175455.D
Acq On : 10 Sep 2025 1:05 pm
Operator : rocquans
Sample : ic8654-0.01
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 16:39:08 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175455.D\data.ms

(9) 2-Methylnaphthalene (t)

6.041min (+0.072) 11.16ppb

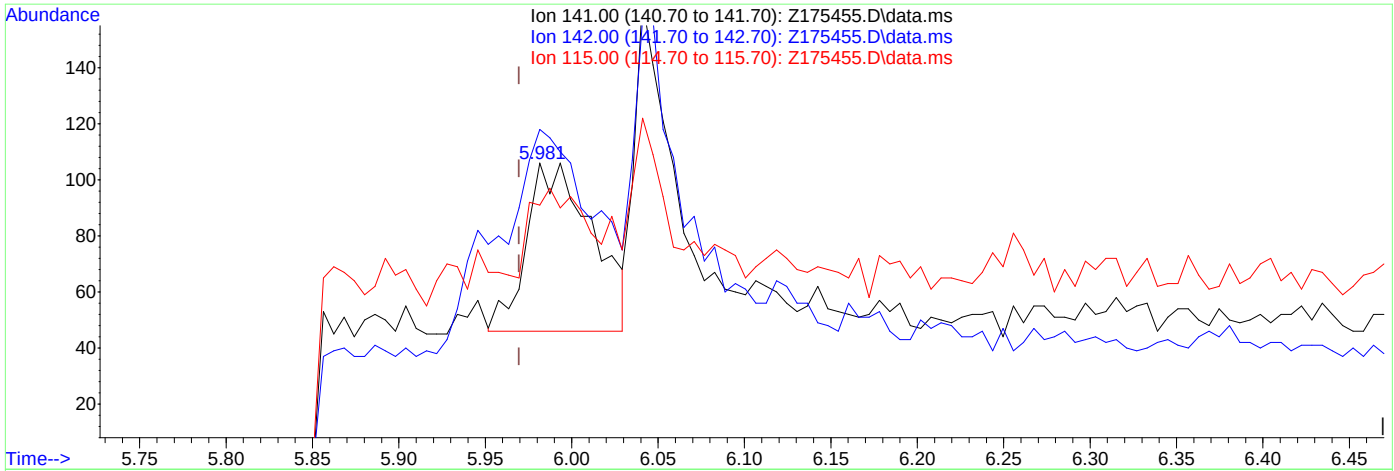
response 202

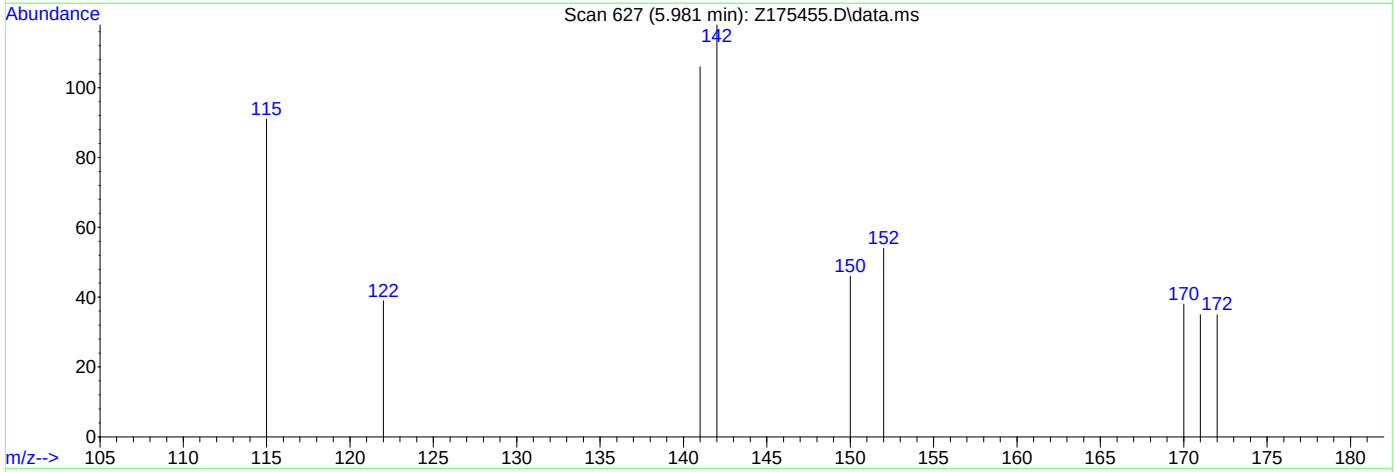
Ion	Exp%	Act%
141.00	100	100
142.00	107.10	86.12
115.00	54.30	49.76
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175455.D
Acq On : 10 Sep 2025 1:05 pm
Operator : rocquans
Sample : ic8654-0.01
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 16:39:08 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175455.D\data.ms

(9) 2-Methylnaphthalene (t)

5.981min (+0.012) 8.79ppb m

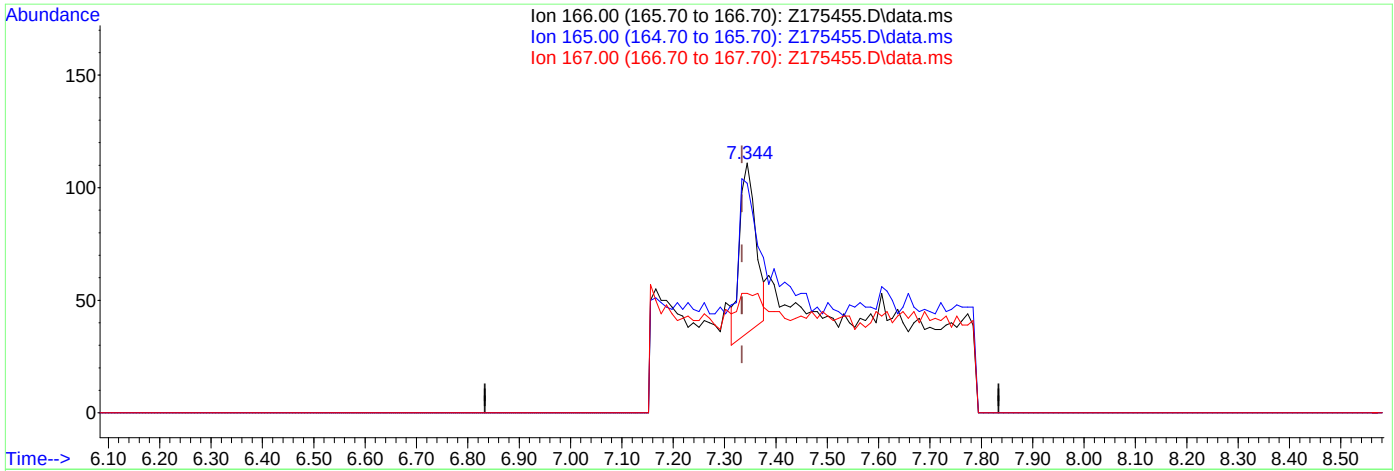
response 159

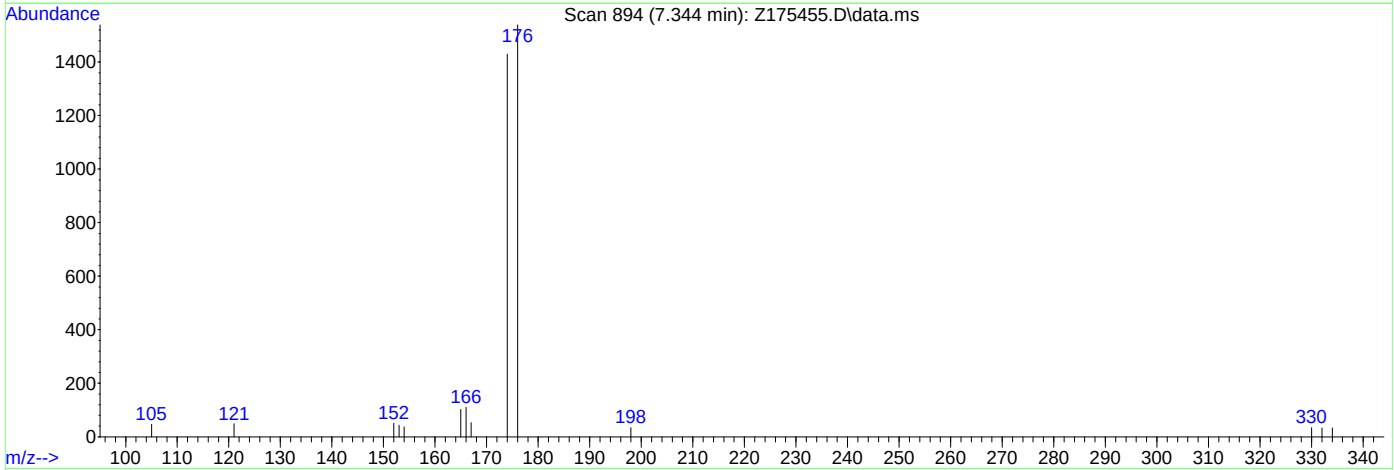
Ion	Exp%	Act%
141.00	100	100
142.00	107.10	111.32
115.00	54.30	85.85#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175455.D
Acq On : 10 Sep 2025 1:05 pm
Operator : rocquans
Sample : ic8654-0.01
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 16:39:08 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175455.D\data.ms

(16) Fluorene (t)

7.344min (+0.010) 6.92ppb

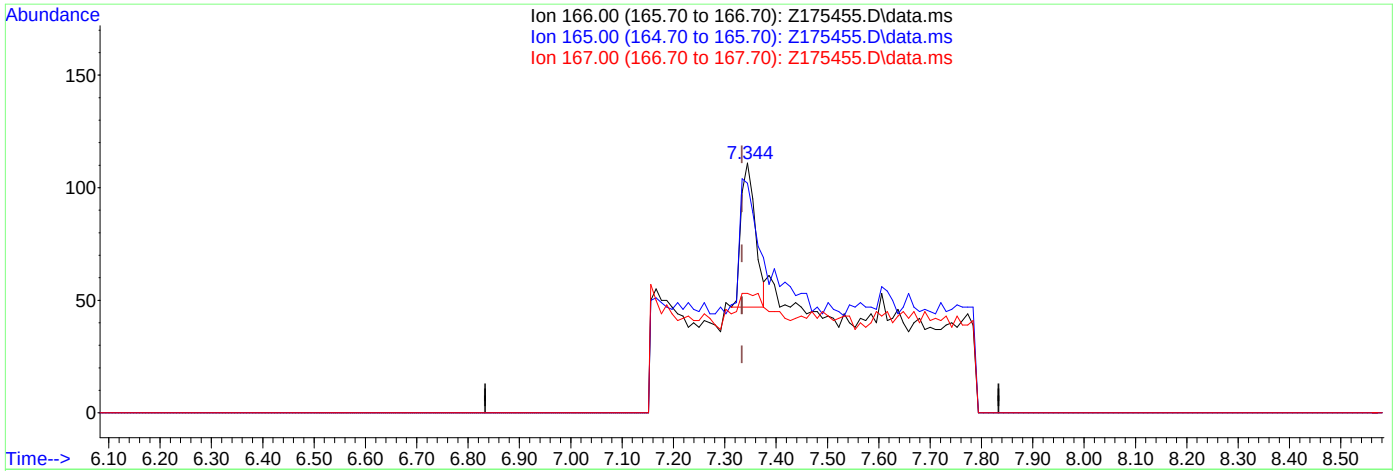
response 168

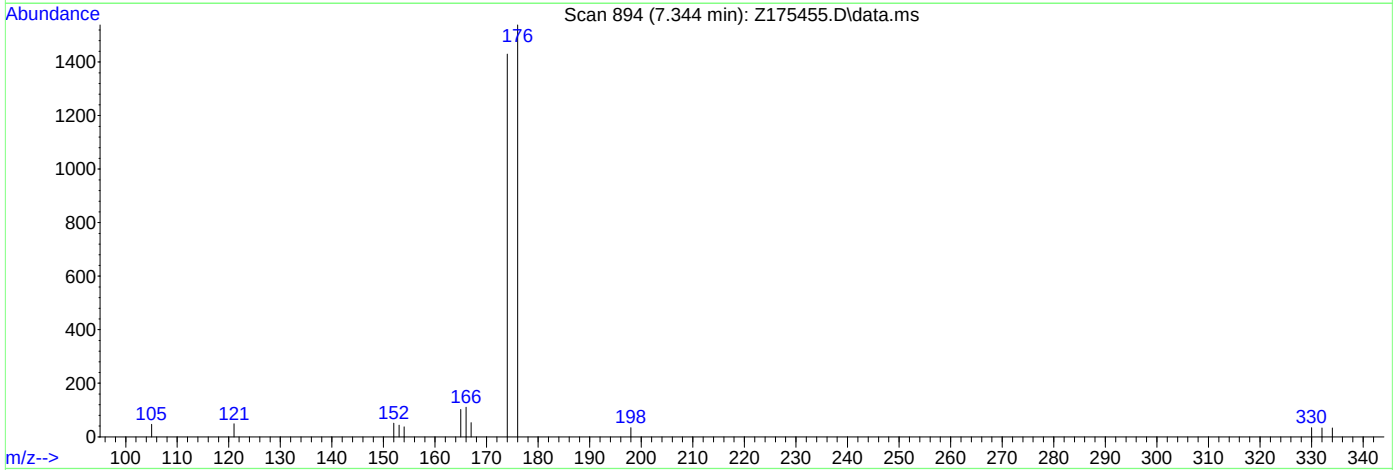
Ion	Exp%	Act%
166.00	100	100
165.00	95.80	74.36
167.00	13.50	12.82
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175455.D
Acq On : 10 Sep 2025 1:05 pm
Operator : rocquans
Sample : ic8654-0.01
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 16:39:08 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175455.D\data.ms

(16) Fluorene (t)

7.344min (+0.010) 5.11ppb m

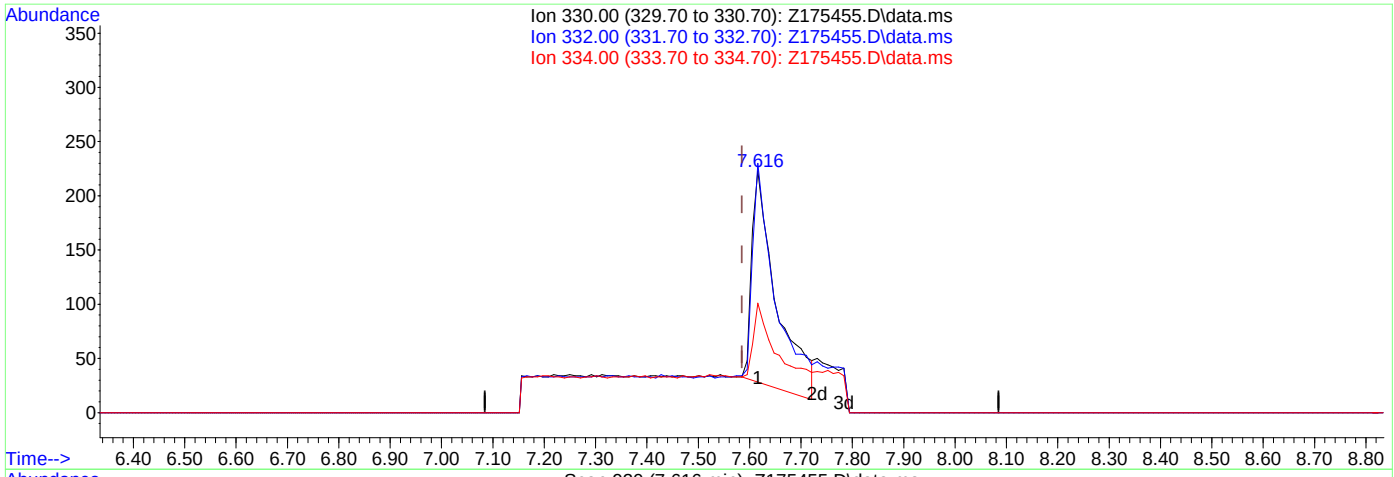
response 124

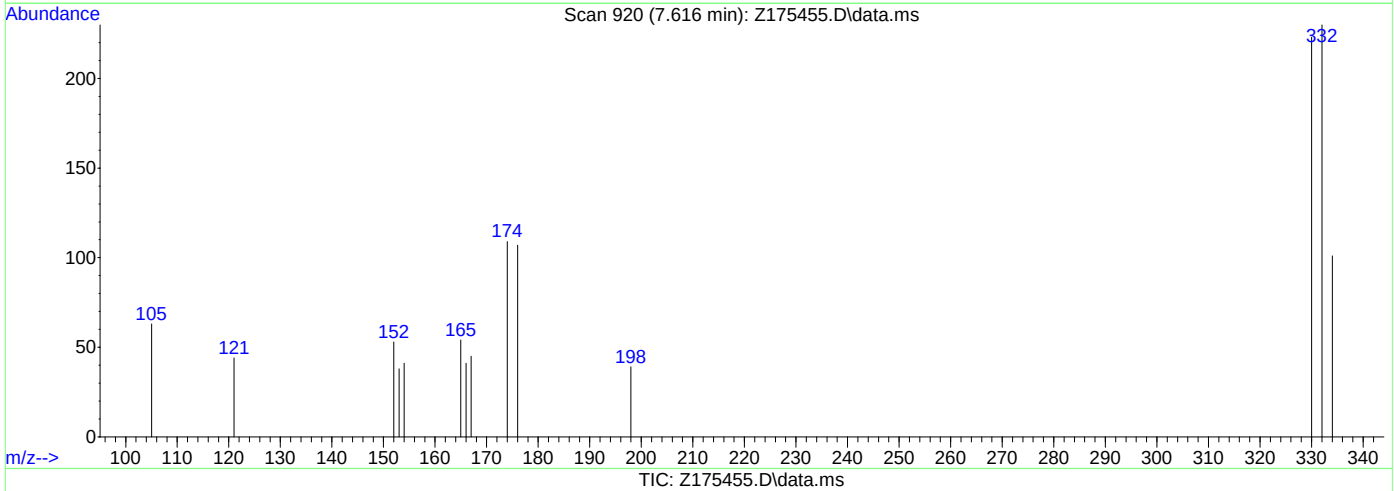
Ion	Exp%	Act%
166.00	100	100
165.00	95.80	91.89
167.00	13.50	47.75#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175455.D
Acq On : 10 Sep 2025 1:05 pm
Operator : rocquans
Sample : ic8654-0.01
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 16:39:08 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175455.D\data.ms

(18) 2,4,6-Tribromophenol (S)

7.616min (+0.031) 174.77ppb

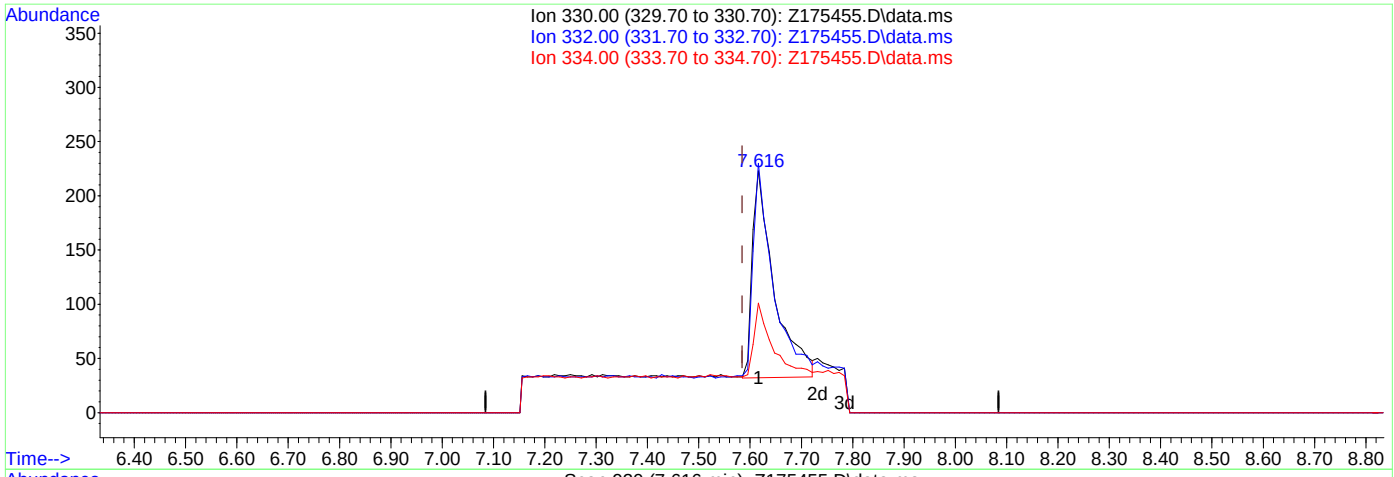
response 646

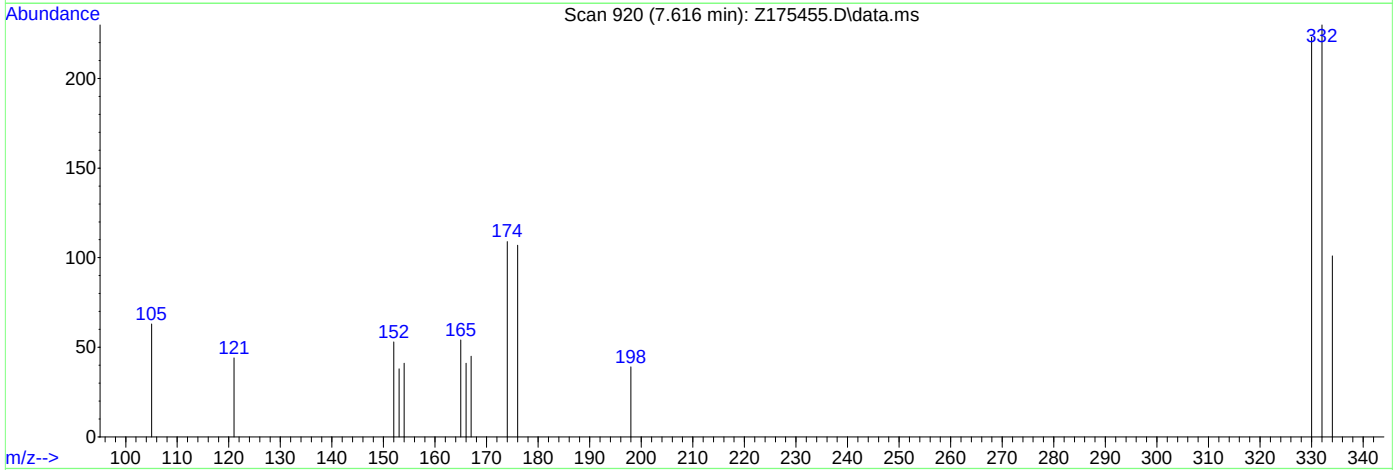
Ion	Exp%	Act%
330.00	100	100
332.00	86.00	104.66
334.00	23.80	36.16
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175455.D
Acq On : 10 Sep 2025 1:05 pm
Operator : rocquans
Sample : ic8654-0.01
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 16:39:08 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175455.D\data.ms

(18) 2,4,6-Tribromophenol (S)

7.616min (+0.031) 152.59ppb m

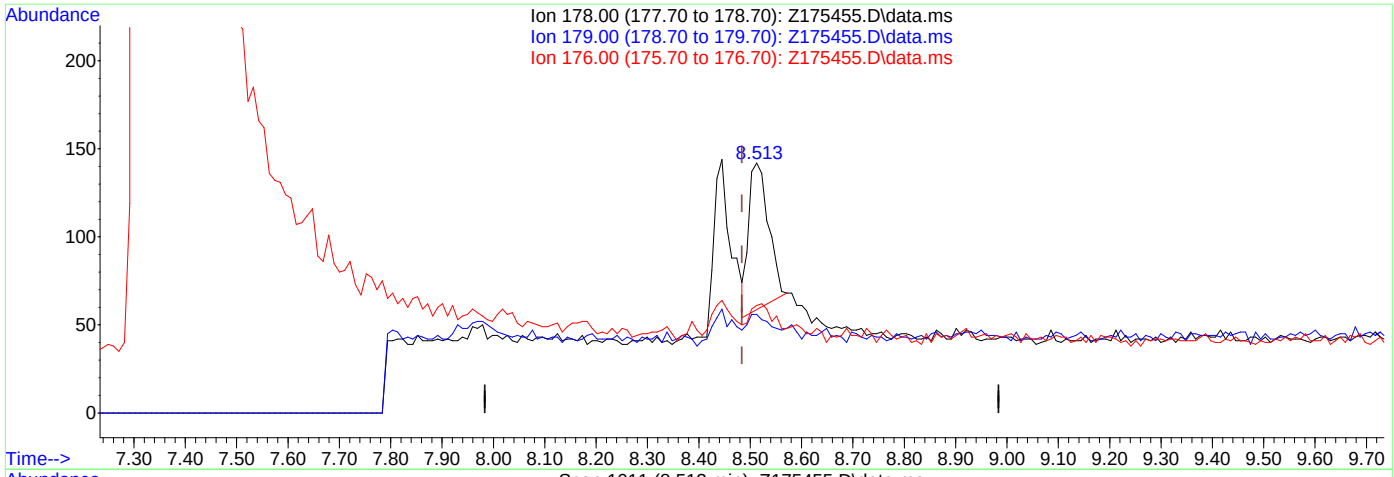
response 564

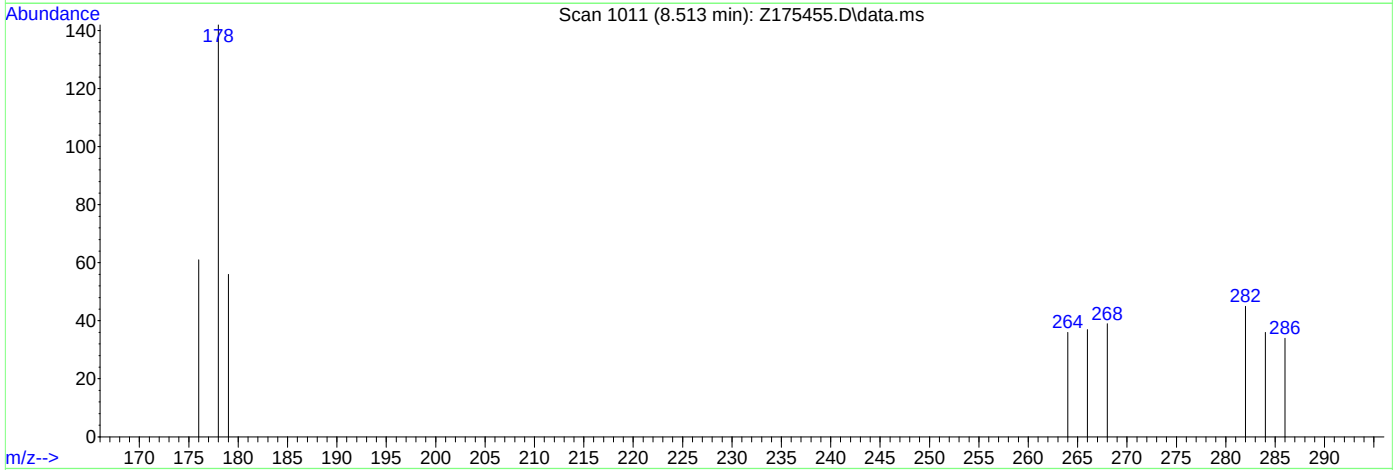
Ion	Exp%	Act%
330.00	100	100
332.00	86.00	103.14
334.00	23.80	45.29
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175455.D
Acq On : 10 Sep 2025 1:05 pm
Operator : rocquans
Sample : ic8654-0.01
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 16:39:08 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175455.D\data.ms

(23) Anthracene (t)

8.513min (+0.029) 5.72ppb

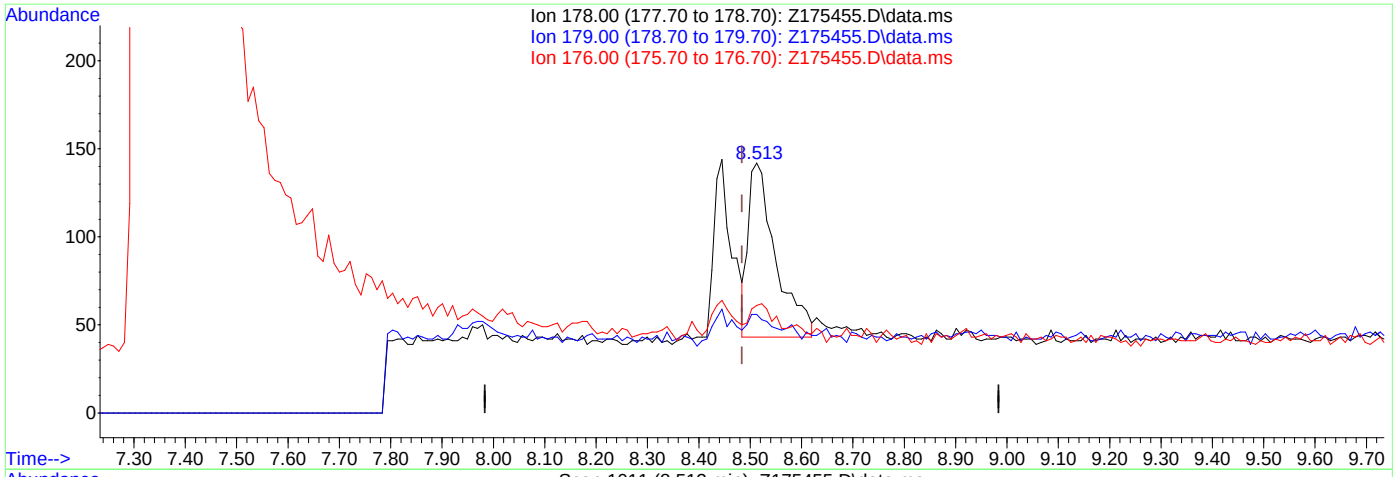
response 225

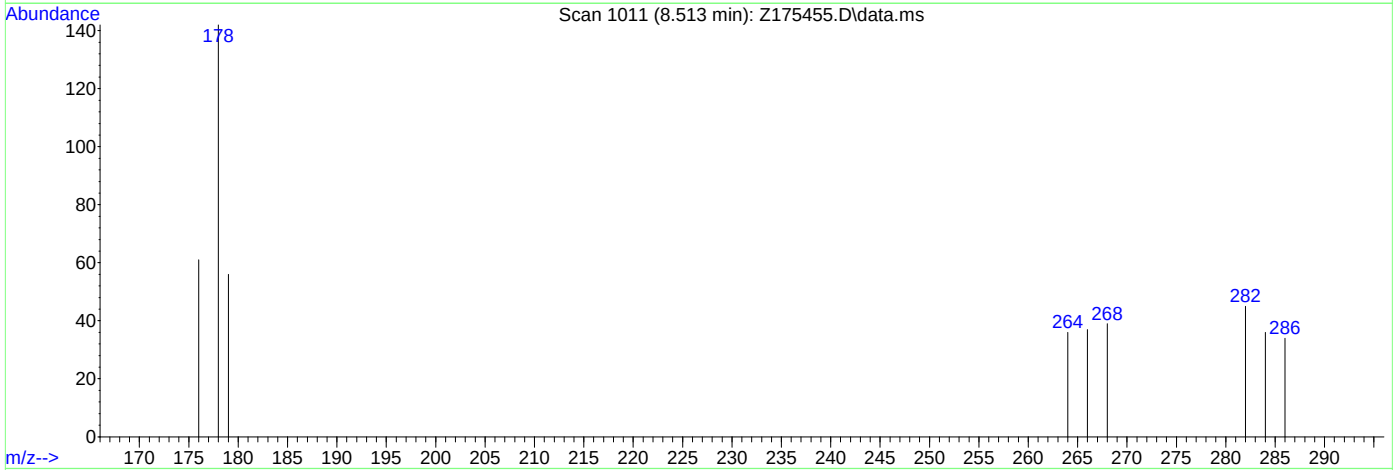
Ion	Exp%	Act%
178.00	100	100
179.00	14.80	11.97
176.00	18.70	16.90
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175455.D
Acq On : 10 Sep 2025 1:05 pm
Operator : rocquans
Sample : ic8654-0.01
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 16:39:08 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175455.D\data.ms

(23) Anthracene (t)

8.513min (+0.029) 9.39ppb m

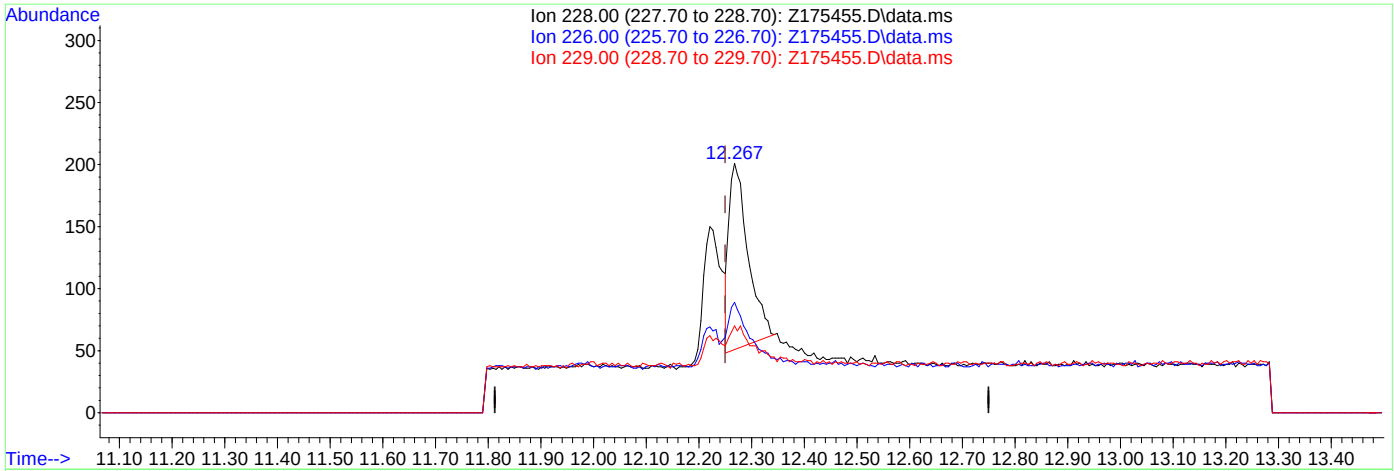
response 369

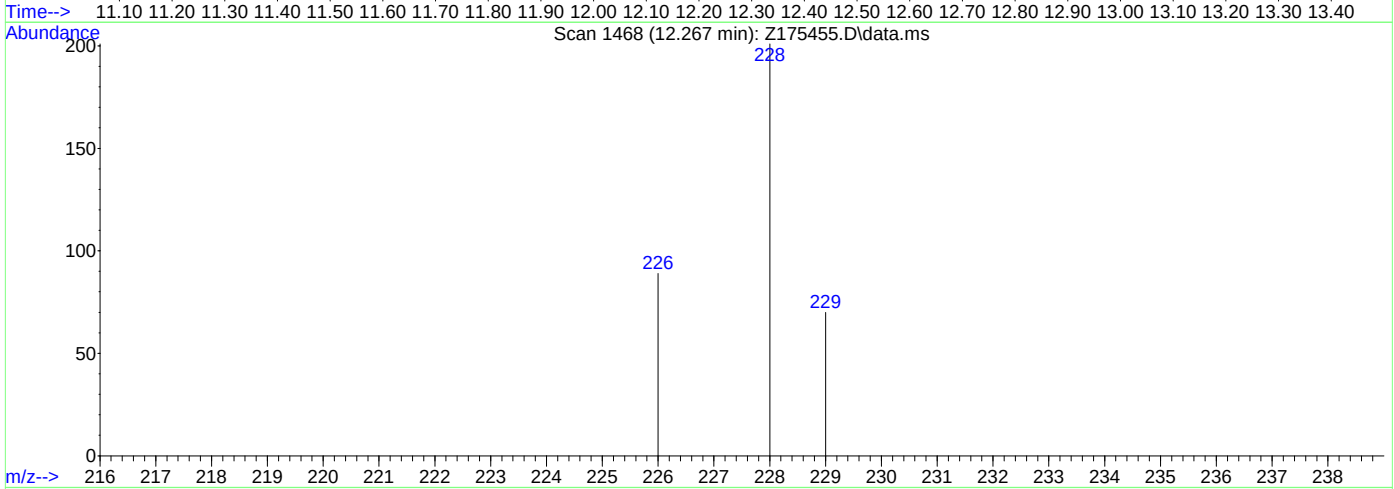
Ion	Exp%	Act%
178.00	100	100
179.00	14.80	39.44
176.00	18.70	42.96
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175455.D
Acq On : 10 Sep 2025 1:05 pm
Operator : rocquans
Sample : ic8654-0.01
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 16:39:08 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175455.D\data.ms

(28) Chrysene (t)

12.267min (+0.017) 8.75ppb

response 378

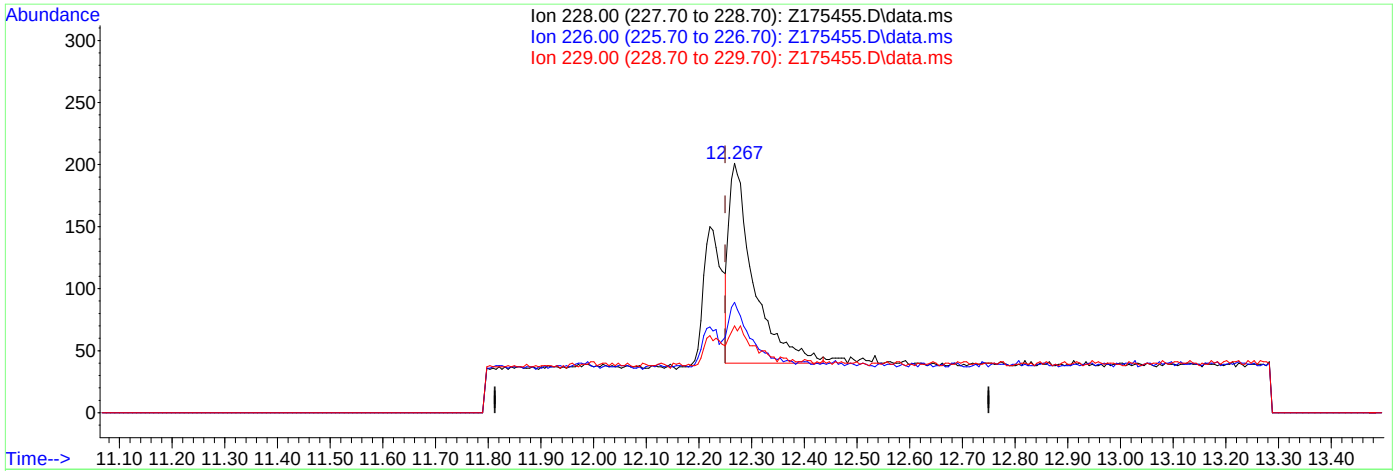
Ion	Exp%	Act%
228.00	100	100
226.00	28.40	32.16
229.00	19.10	18.06
0.00	0.00	0.00

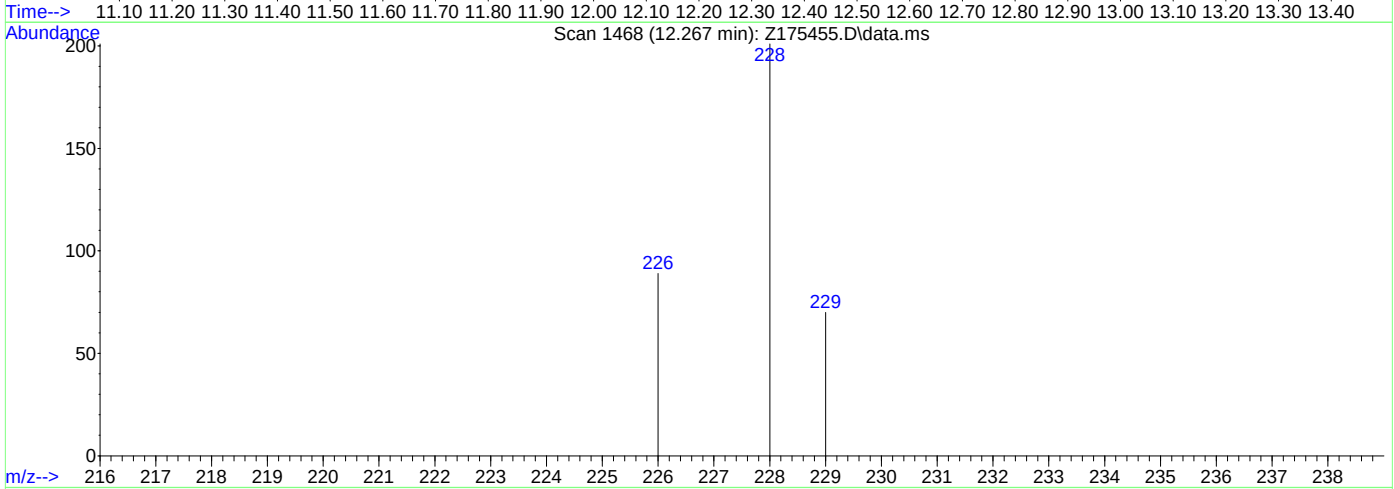
Z175455.D edits: Chrysene

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175455.D
Acq On : 10 Sep 2025 1:05 pm
Operator : rocquans
Sample : ic8654-0.01
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 16:39:08 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175455.D\data.ms

(28) Chrysene (t)

12.267min (+0.017) 12.15ppb m

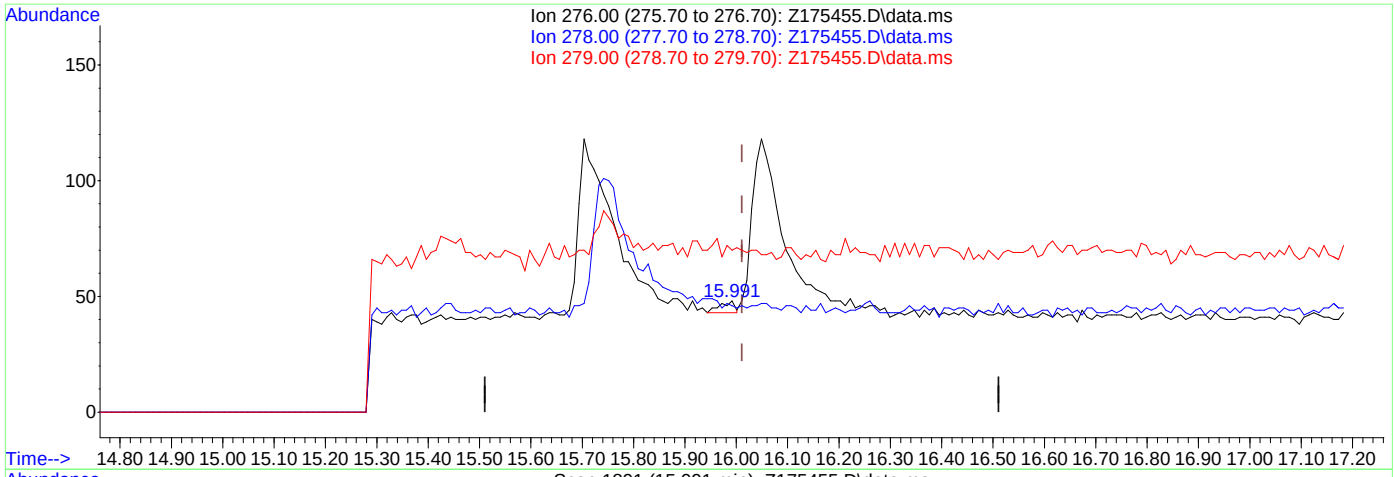
response 525

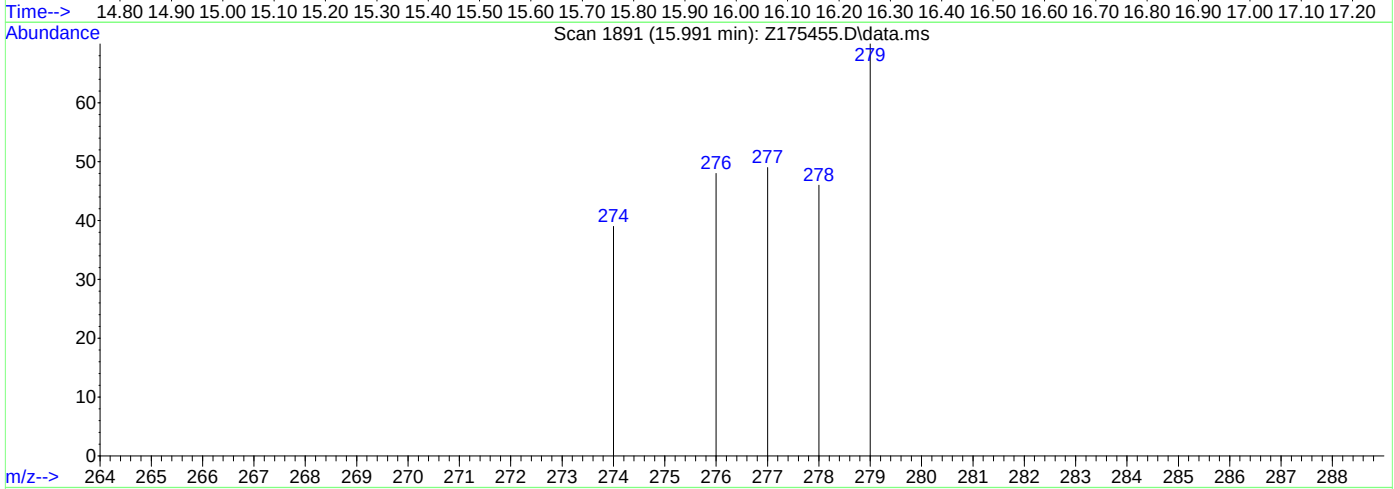
Ion	Exp%	Act%
228.00	100	100
226.00	28.40	44.28
229.00	19.10	34.83
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175455.D
Acq On : 10 Sep 2025 1:05 pm
Operator : rocquans
Sample : ic8654-0.01
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 16:39:08 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175455.D\data.ms

(35) Benzo[g,h,i]perylene (t)

15.991min (-0.019) 0.35ppb

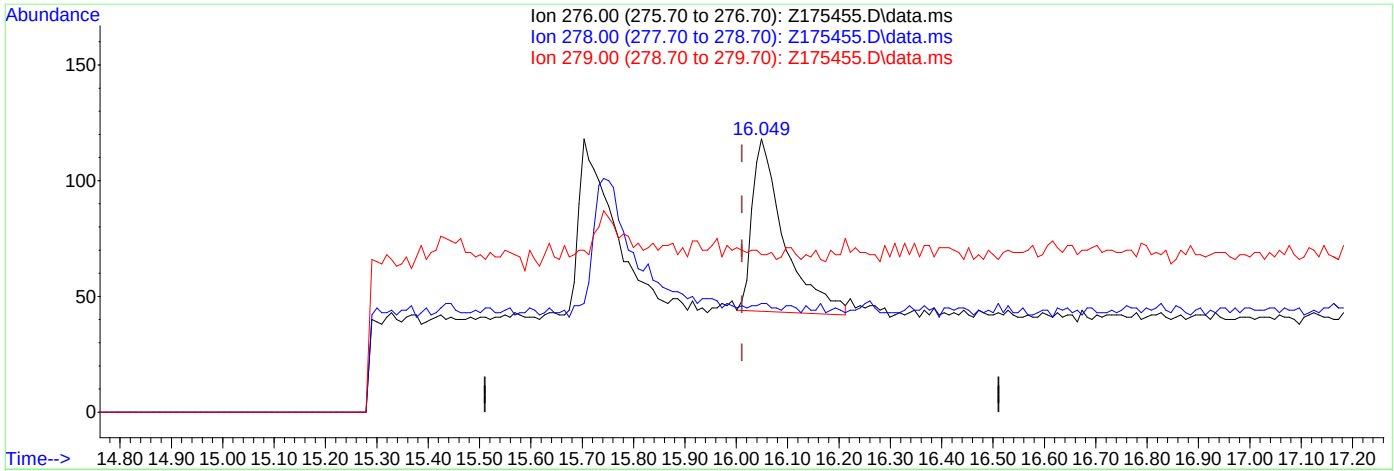
response 10

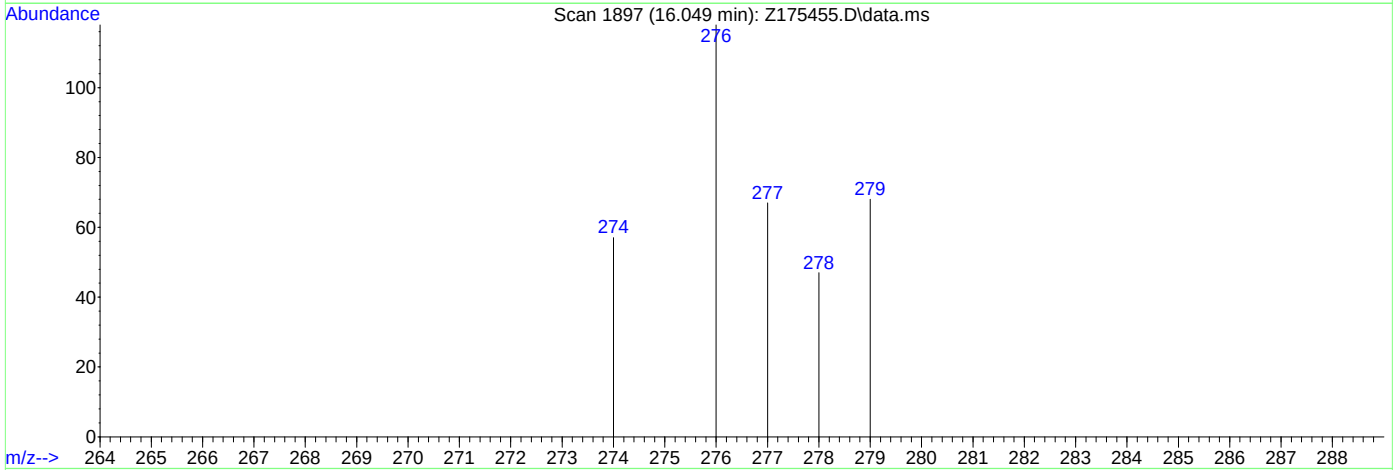
Ion	Exp%	Act%
276.00	100	100
278.00	2.80	0.00
279.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175455.D
Acq On : 10 Sep 2025 1:05 pm
Operator : rocquans
Sample : ic8654-0.01
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 16:39:08 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175455.D\data.ms

(35) Benzo[g,h,i]perylene (t)

16.049min (+0.038) 11.37ppb m

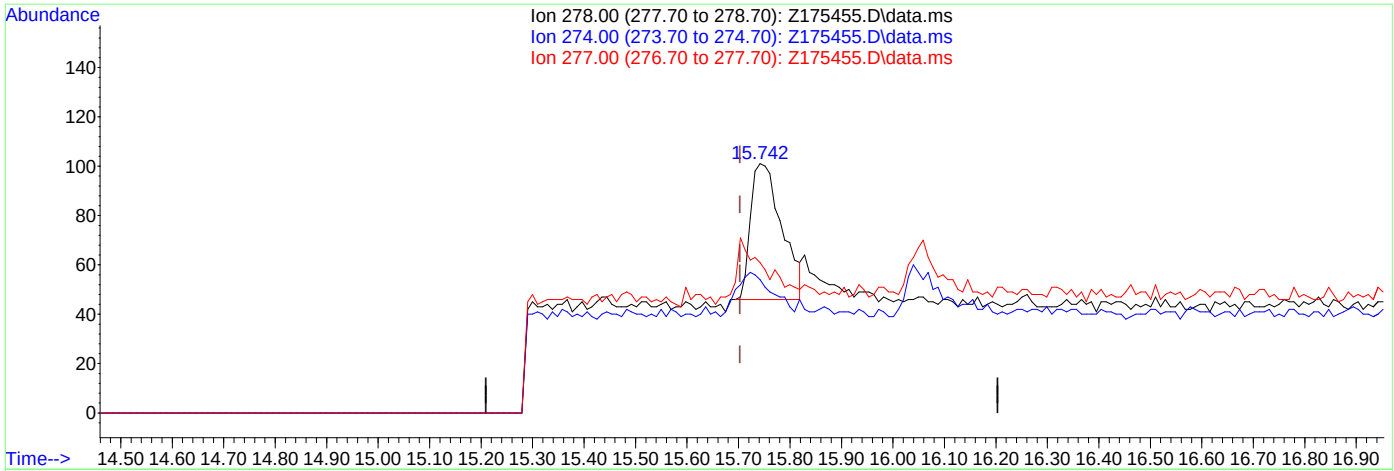
response 323

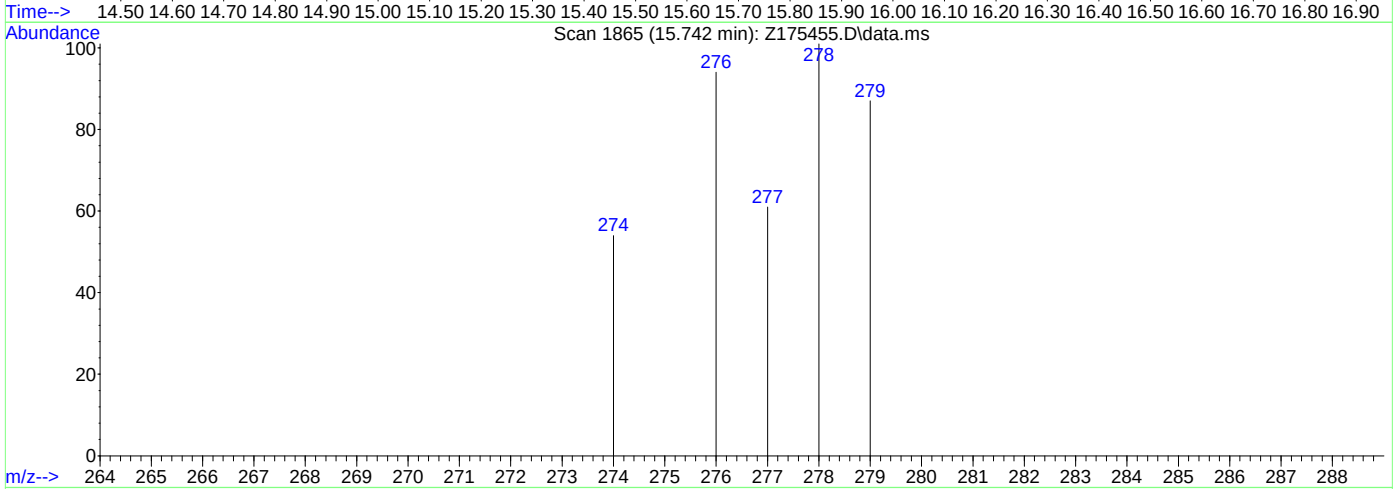
Ion	Exp%	Act%
276.00	100	100
278.00	2.80	39.83#
279.00	0.00	57.63#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175455.D
Acq On : 10 Sep 2025 1:05 pm
Operator : rocquans
Sample : ic8654-0.01
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 16:39:08 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175455.D\data.ms

(34) Dibenz[a,h]anthracene (t)

15.742min (+0.038) 8.60ppb

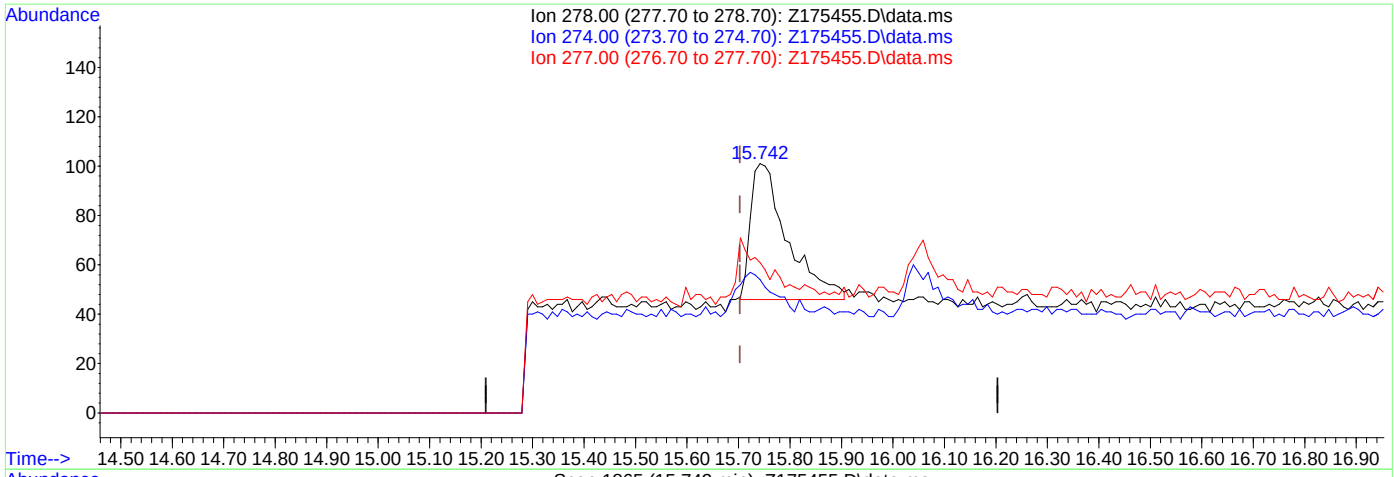
response 232

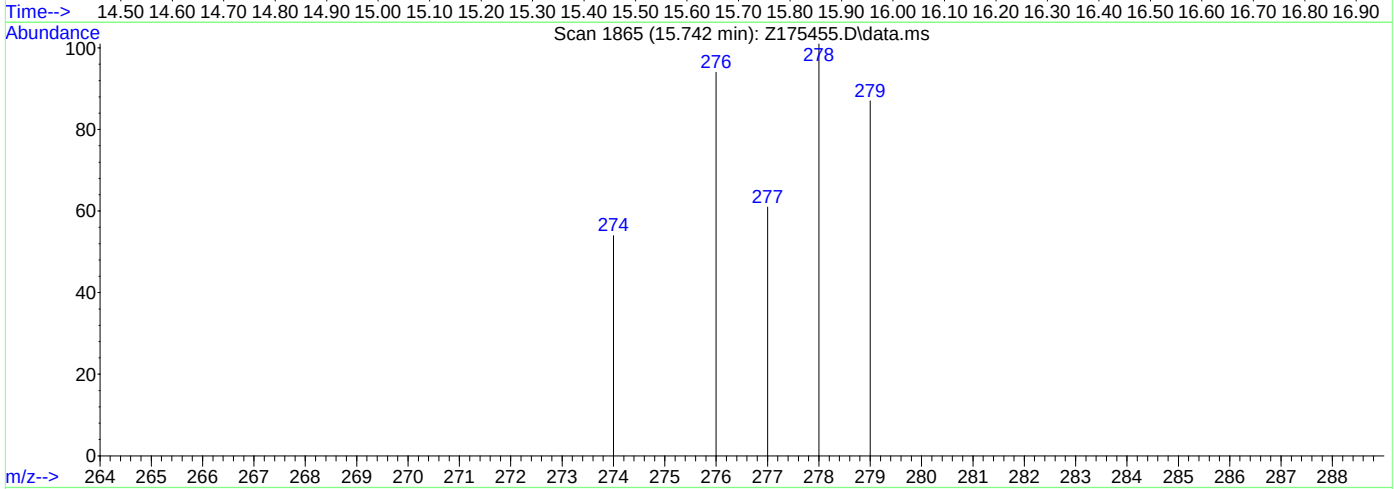
Ion	Exp%	Act%
278.00	100	100
274.00	14.00	12.63
277.00	16.50	20.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175455.D
Acq On : 10 Sep 2025 1:05 pm
Operator : rocquans
Sample : ic8654-0.01
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 16:39:08 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175455.D\data.ms

(34) Dibenz[a,h]anthracene (t)

15.742min (+0.038) 10.15ppb m

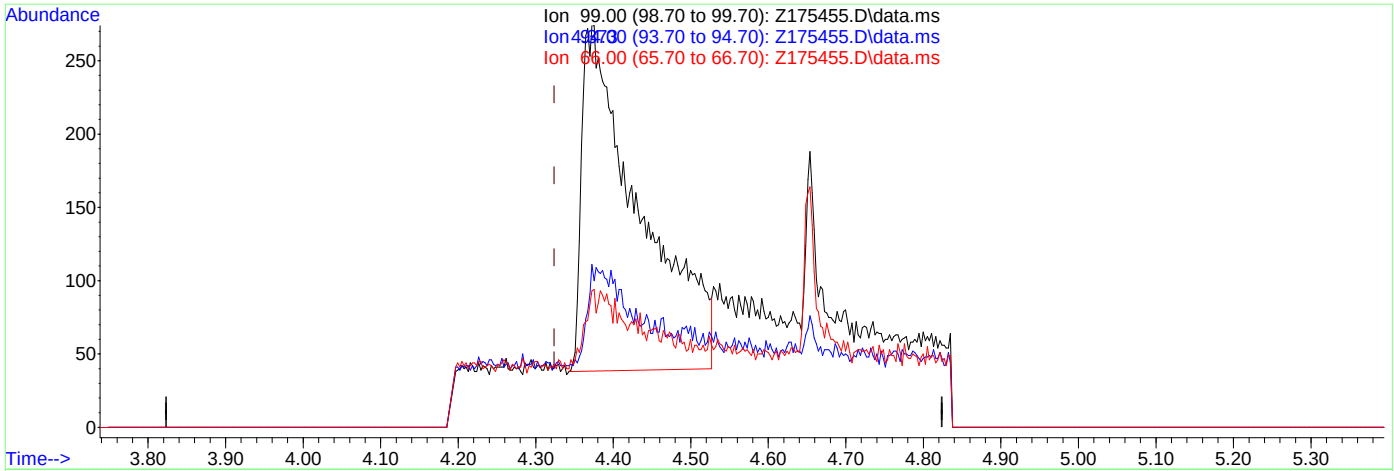
response 274

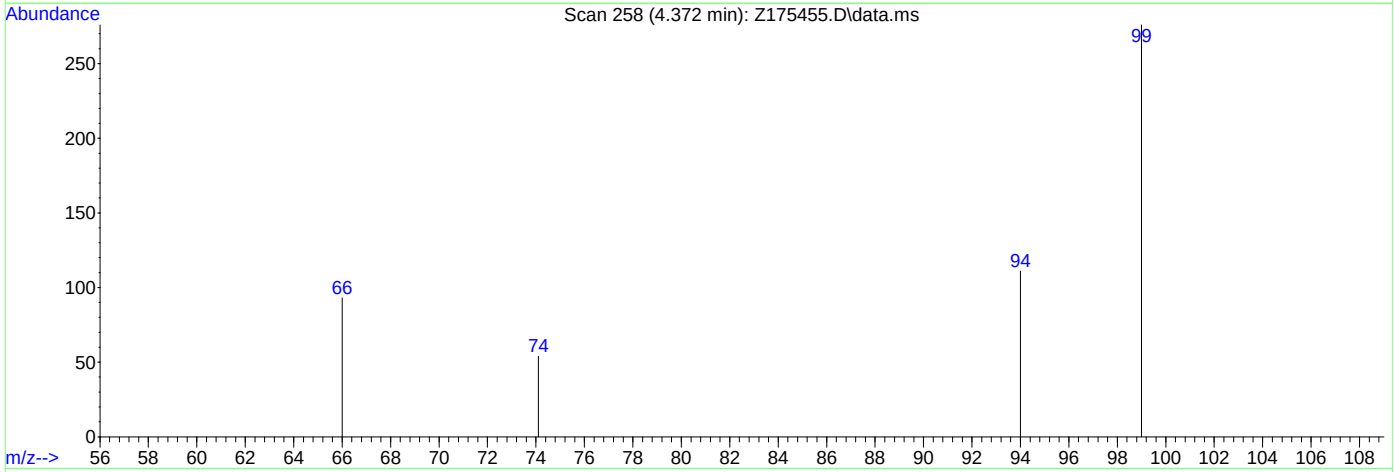
Ion	Exp%	Act%
278.00	100	100
274.00	14.00	53.47#
277.00	16.50	60.40#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175455.D
Acq On : 10 Sep 2025 1:05 pm
Operator : rocquans
Sample : ic8654-0.01
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 16:43:55 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175455.D\data.ms

(4) Phenol-d5 (S)

4.372min (+0.049) 143.89ppb m

response 1220

Ion	Exp%	Act%
99.00	100	100
94.00	0.40	40.22#
66.00	7.40	33.70
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
09/15/25 15:51

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175456.D
Acq On : 10 Sep 2025 1:29 pm
Operator : rocquans
Sample : ic8654-0.02
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 16:38:38 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	6.017	150	10064	800.00	ppb	0.00
12) Fluorene-d10	7.313	176	13198	800.00	ppb	0.01
19) Fluoranthene-d10	10.000	212	23004	800.00	ppb	0.00
29) Benzo(a)pyrene-d12	14.197	264	16137	800.00	ppb	0.00
36) 1-Methylnaphthalene-d10a	6.017	150	10064	800.00	ppb	#-0.07
System Monitoring Compounds						
3) 2-Fluorophenol	3.644	112	2759	360.82	ppb	0.02
Spiked Amount 10000.000			Recovery =	3.61%		
4) Phenol-d5	4.356	99	3157m	377.52	ppb	0.03
Spiked Amount 10000.000			Recovery =	3.78%		
6) Nitrobenzene-d5	4.968	82	2828	304.55	ppb	0.03
Spiked Amount 10000.000			Recovery =	3.05%		
13) 2-Fluorobiphenyl	6.256	172	8324	426.06	ppb	0.01
Spiked Amount 10000.000			Recovery =	4.26%		
18) 2,4,6-Tribromophenol	7.616	330	1038	297.74	ppb	0.03
Spiked Amount 10000.000			Recovery =	2.98%		
26) Terphenyl-d14	10.632	244	8227	401.68	ppb	0.02
Spiked Amount 10000.000			Recovery =	4.02%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.241	88	71m	17.41	ppb	
5) Phenol	4.362	94	754m	88.94	ppb	
7) Naphthalene	5.490	128	546m	18.98	ppb	
8) Hexachlorobutadiene	5.550	225	138	18.08	ppb	88
9) 2-Methylnaphthalene	5.982	141	244m	13.67	ppb	
10) 1-Methylnaphthalene	6.047	141	378	20.70	ppb	92
14) Acenaphthylene	6.704	152	521m	18.45	ppb	
15) Acenaphthene	6.849	153	366m	18.42	ppb	
16) Fluorene	7.334	166	367m	16.03	ppb	
17) 4,6-dinitro-2-methylph...	7.480	198	45	25.92	ppb #	39
20) Hexachlorobenzene	7.930	284	145	17.48	ppb	93
21) Pentachlorophenol	8.212	266	168	61.24	ppb	92
22) Phenanthrene	8.435	178	511	17.56	ppb	88
23) Anthracene	8.513	178	696m	19.26	ppb	
24) Fluoranthene	10.025	202	730	21.07	ppb	97
25) Pyrene	10.353	202	700	19.19	ppb	94
27) Benzo[a]anthracene	12.221	228	392	16.96	ppb	95
28) Chrysene	12.267	228	795	20.03	ppb	95
30) Benzo[b]fluoranthene	13.783	252	493	22.07	ppb	95
31) Benzo[k]fluoranthene	13.829	252	682	19.34	ppb	95
32) Benzo[a]pyrene	14.220	252	579	21.48	ppb	97
33) Indeno[1,2,3-cd]pyrene	15.713	276	653	21.41	ppb	96
34) Dibenz[a,h]anthracene	15.732	278	496	19.64	ppb	98
35) Benzo[g,h,i]perylene	16.040	276	507	19.06	ppb	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

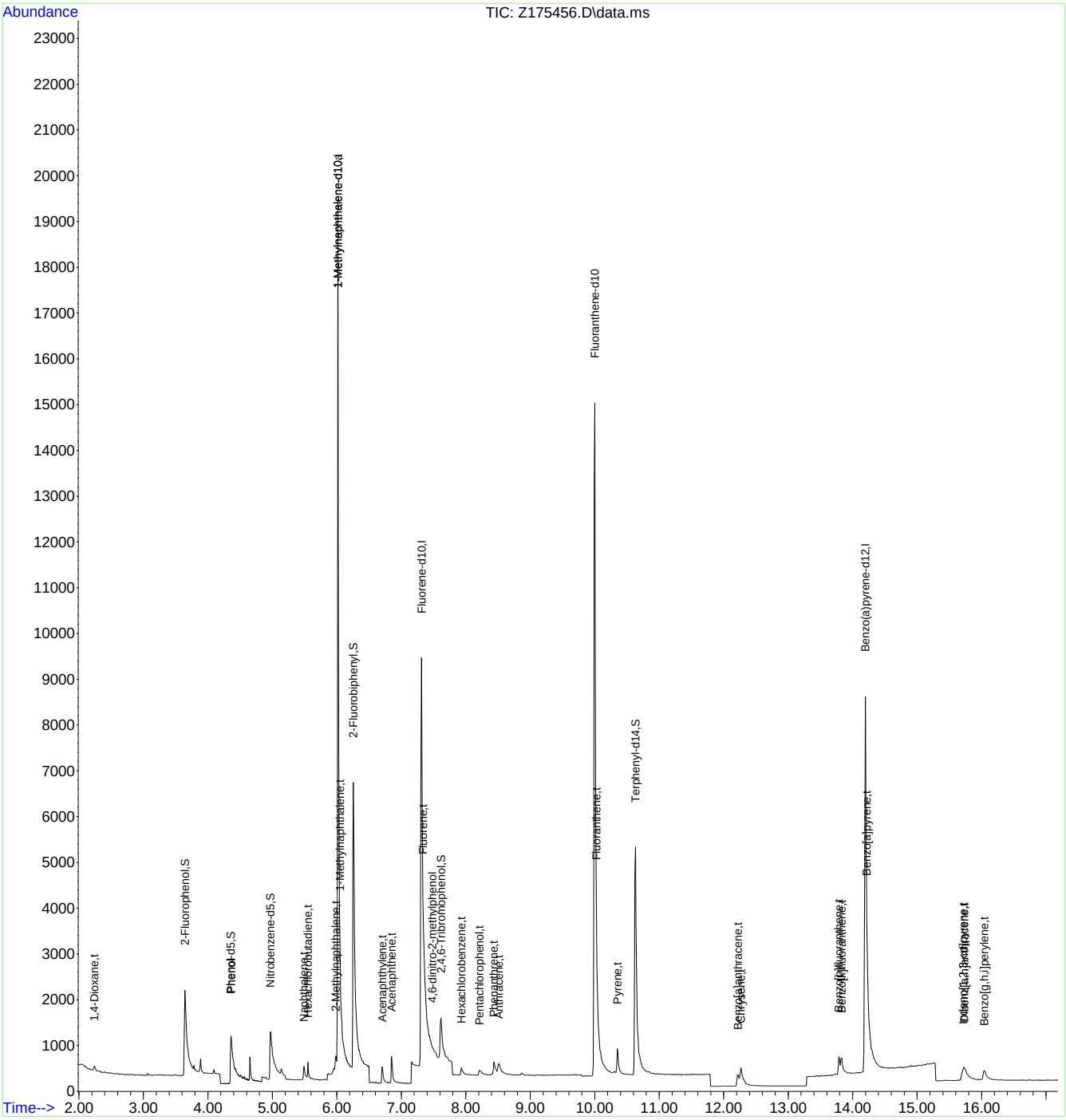
9.5.32

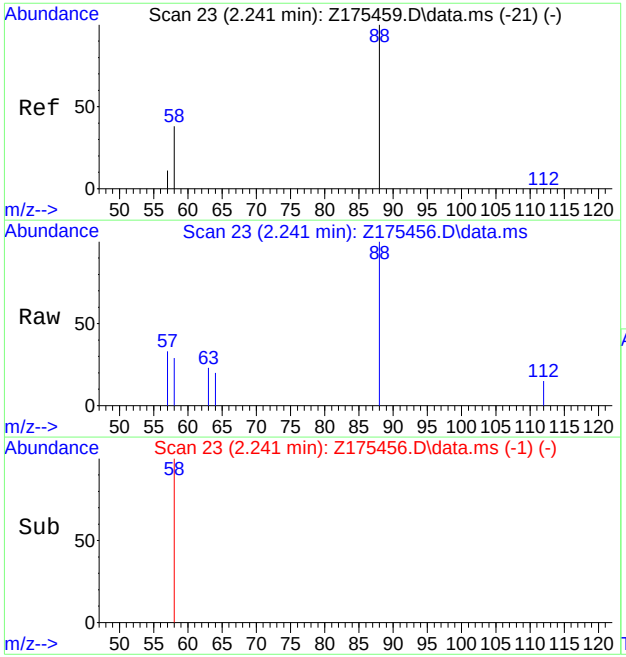
9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175456.D
Acq On : 10 Sep 2025 1:29 pm
Operator : rocquans
Sample : ic8654-0.02
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 16:38:38 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration

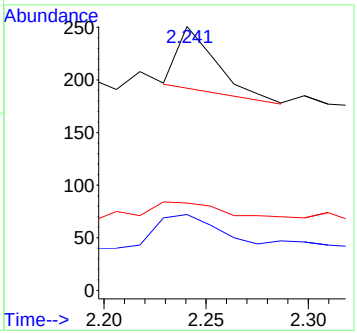


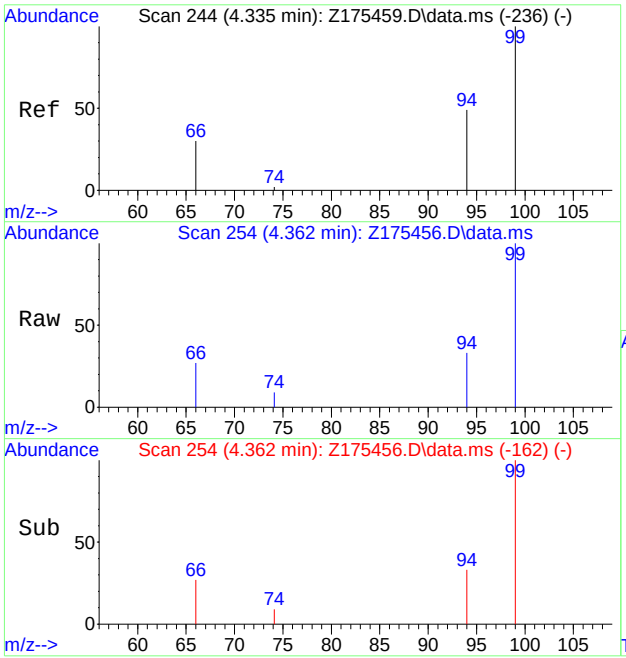


#2
1,4-Dioxane
Concen: 17.41 ppb m
RT: 2.241 min Scan# 23
Delta R.T. 0.000 min
Lab File: Z175456.D
Acq: 10 Sep 2025 1:29 pm

Tgt Ion: 88 Resp: 71

Ion	Ratio	Lower	Upper
88	100		
58	28.7	15.6	55.6
57	33.1	0.0	40.0

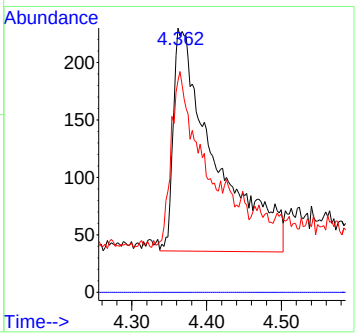


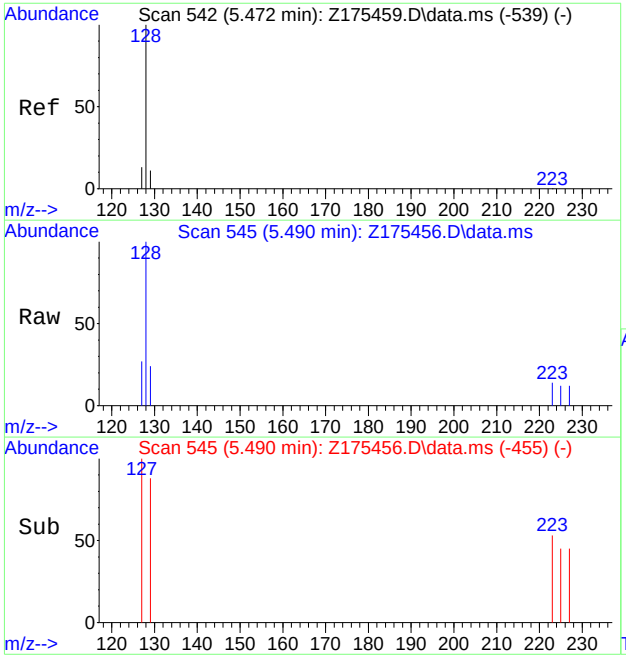


#5
Phenol
Concen: 88.94 ppb m
RT: 4.362 min Scan# 254
Delta R.T. 0.027 min
Lab File: Z175456.D
Acq: 10 Sep 2025 1:29 pm

Tgt Ion: 94 Resp: 754

Ion	Ratio	Lower	Upper
94	100		
65	0.0	0.0	0.0
66	80.0	49.8	74.8#

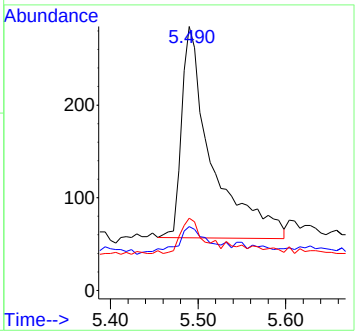


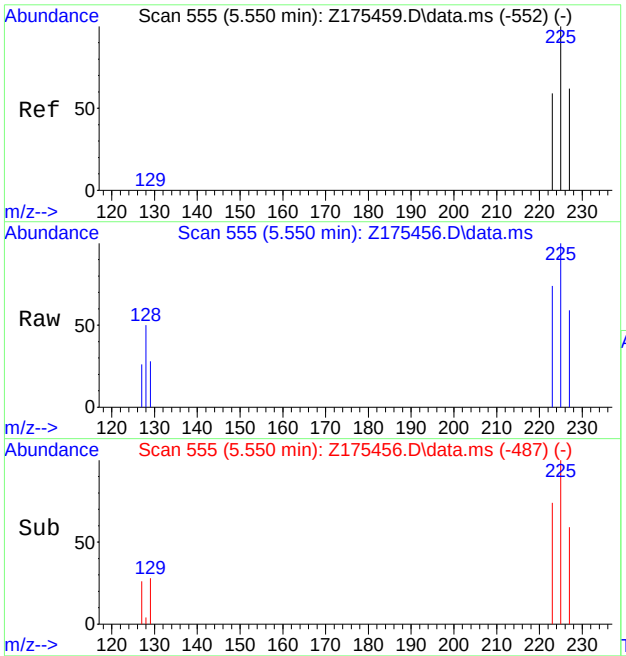


#7
Naphthalene
Concen: 18.98 ppb m
RT: 5.490 min Scan# 545
Delta R.T. 0.018 min
Lab File: Z175456.D
Acq: 10 Sep 2025 1:29 pm

Tgt Ion:128 Resp: 546

Ion	Ratio	Lower	Upper
128	100		
129	24.2	0.0	40.6
127	27.4	0.0	43.3

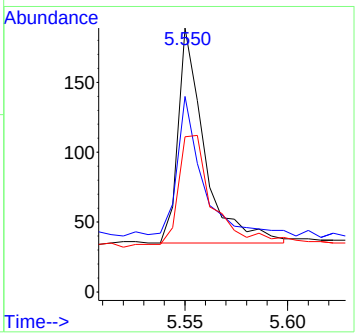


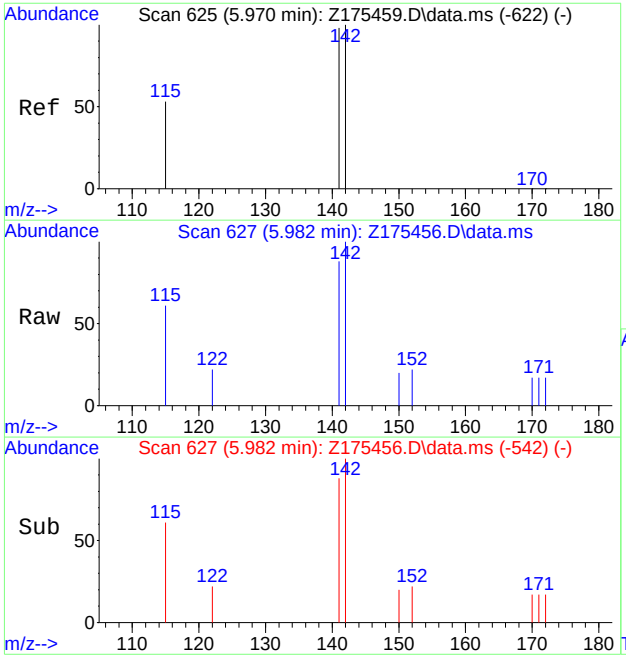


#8
Hexachlorobutadiene
Concen: 18.08 ppb
RT: 5.550 min Scan# 555
Delta R.T. 0.000 min
Lab File: Z175456.D
Acq: 10 Sep 2025 1:29 pm

Tgt Ion:225 Resp: 138

Ion	Ratio	Lower	Upper
225	100		
223	63.6	29.0	89.0
227	48.9	32.1	92.1

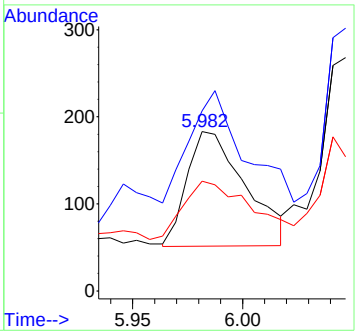


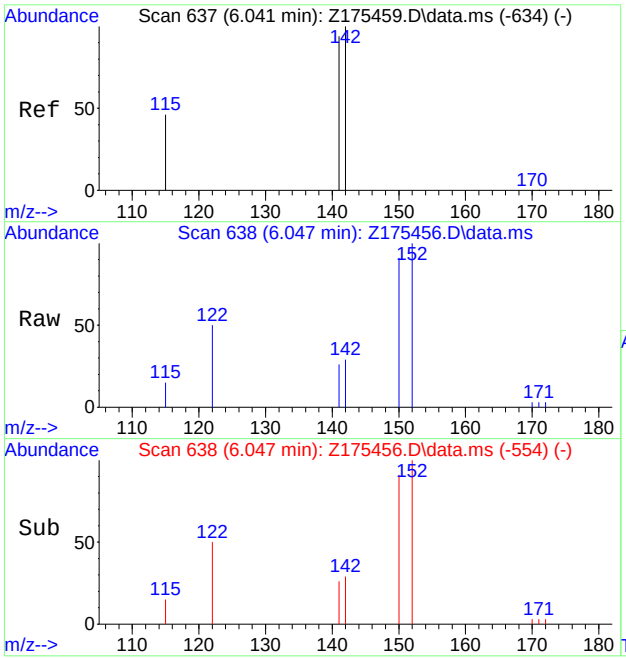


#9
2-Methylnaphthalene
Concen: 13.67 ppb m
RT: 5.982 min Scan# 627
Delta R.T. 0.012 min
Lab File: Z175456.D
Acq: 10 Sep 2025 1:29 pm

Tgt Ion:141 Resp: 244

Ion	Ratio	Lower	Upper
141	100		
142	113.1	77.1	137.1
115	68.9	24.3	84.3

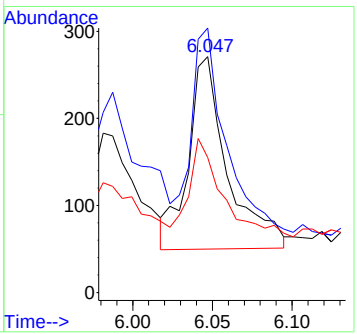


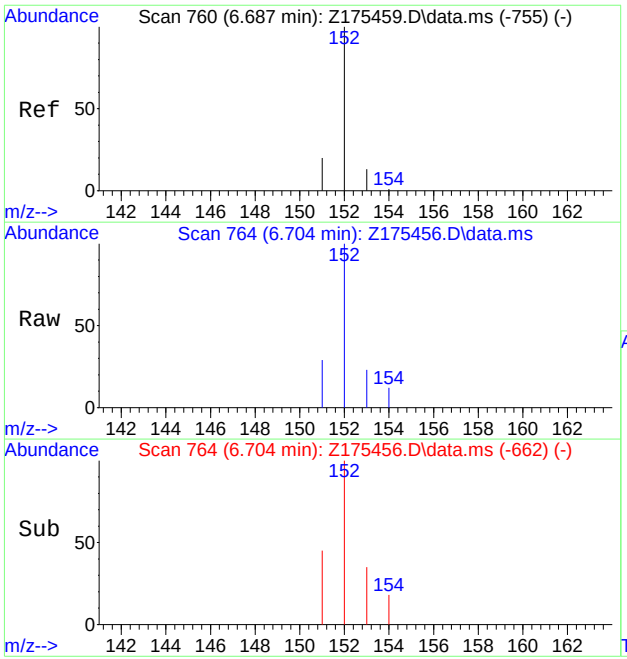


#10
1-Methylnaphthalene
Concen: 20.70 ppb
RT: 6.047 min Scan# 638
Delta R.T. 0.006 min
Lab File: Z175456.D
Acq: 10 Sep 2025 1:29 pm

Tgt Ion:141 Resp: 378

Ion	Ratio	Lower	Upper
141	100		
142	100.8	77.6	137.6
115	40.8	19.1	79.1

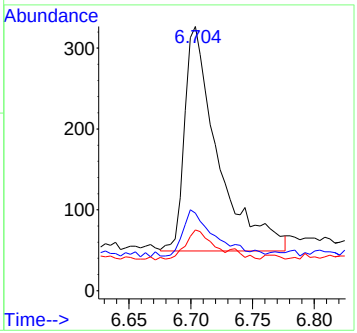


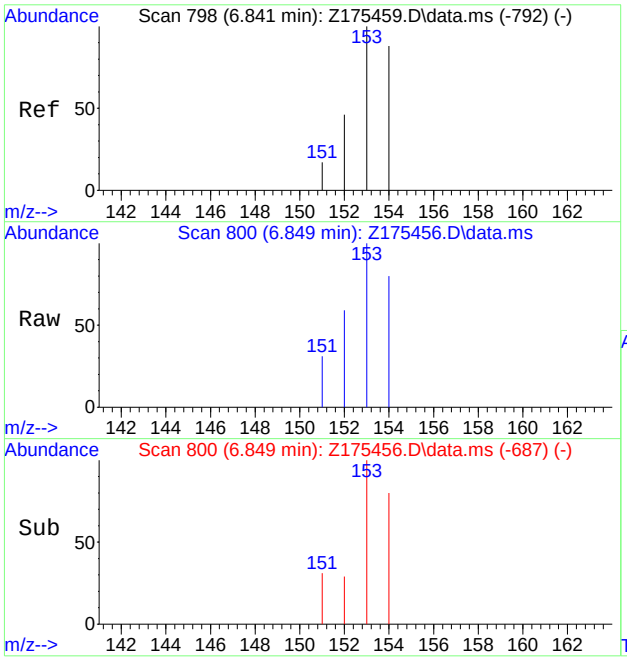


#14
Acenaphthylene
Concen: 18.45 ppb m
RT: 6.704 min Scan# 764
Delta R.T. 0.016 min
Lab File: Z175456.D
Acq: 10 Sep 2025 1:29 pm

Tgt Ion:152 Resp: 521

Ion	Ratio	Lower	Upper
152	100		
151	29.4	0.0	50.1
153	22.9	0.0	42.6

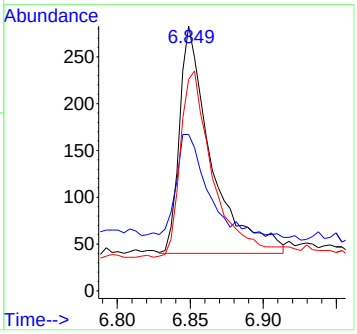


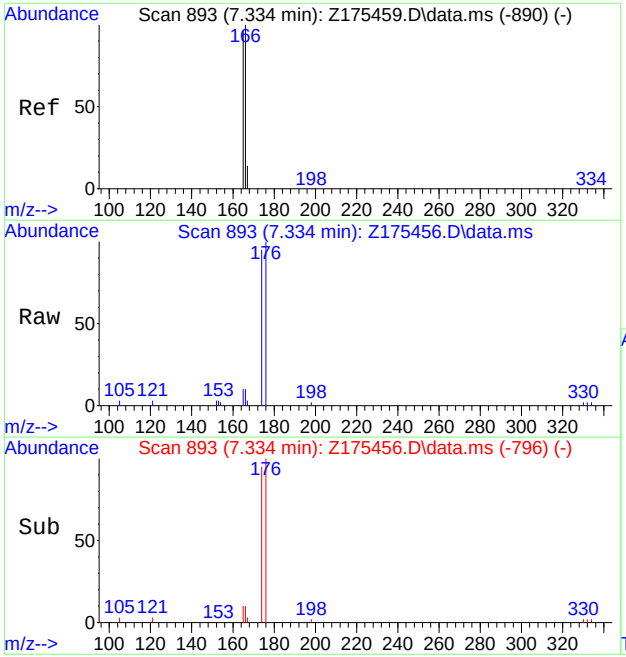


#15
Acenaphthene
Concen: 18.42 ppb m
RT: 6.849 min Scan# 800
Delta R.T. 0.008 min
Lab File: Z175456.D
Acq: 10 Sep 2025 1:29 pm

Tgt Ion:153 Resp: 366

Ion	Ratio	Lower	Upper
153	100		
152	59.0	16.6	76.6
154	79.9	57.9	117.9

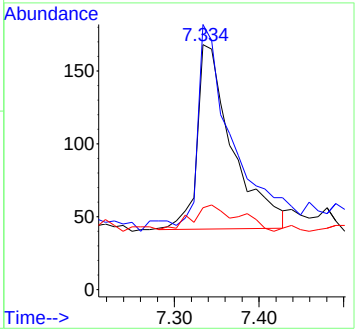


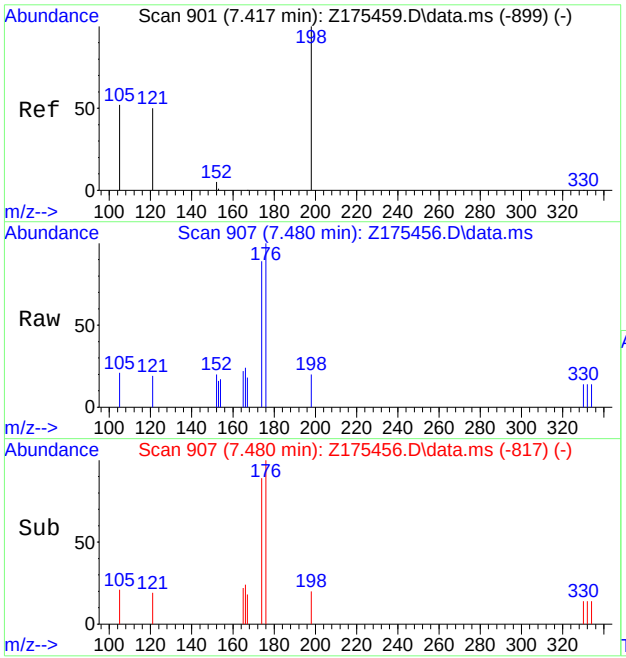


#16
Fluorene
Concen: 16.03 ppb m
RT: 7.334 min Scan# 893
Delta R.T. 0.000 min
Lab File: Z175456.D
Acq: 10 Sep 2025 1:29 pm

Tgt Ion:166 Resp: 367

Ion	Ratio	Lower	Upper
166	100		
165	108.3	65.8	125.8
167	33.3	0.0	43.5

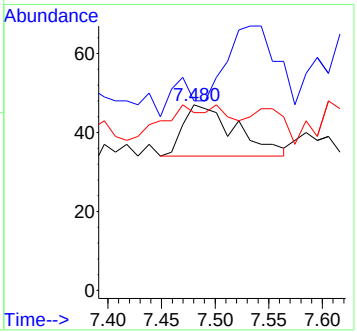


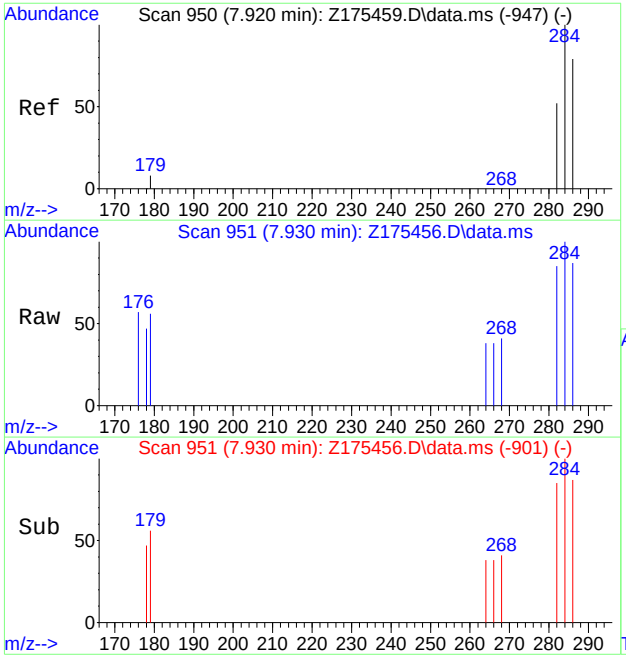


#17
4,6-dinitro-2-methylphenol
Concen: 25.92 ppb
RT: 7.480 min Scan# 907
Delta R.T. 0.063 min
Lab File: Z175456.D
Acq: 10 Sep 2025 1:29 pm

Tgt Ion:198 Resp: 45

Ion	Ratio	Lower	Upper
198	100		
105	0.0	25.6	65.6#
121	12.5	29.8	69.8#

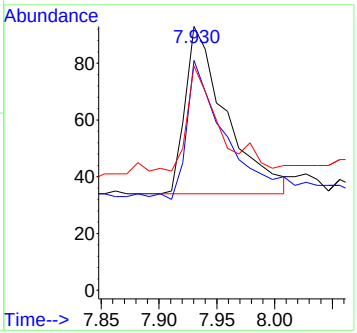


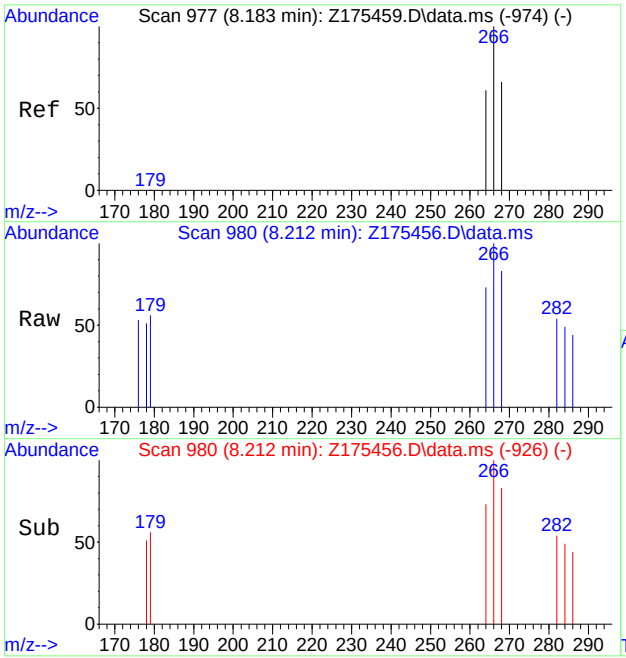


#20
Hexachlorobenzene
Concen: 17.48 ppb
RT: 7.930 min Scan# 951
Delta R.T. 0.010 min
Lab File: Z175456.D
Acq: 10 Sep 2025 1:29 pm

Tgt Ion:284 Resp: 145

Ion	Ratio	Lower	Upper
284	100		
286	78.6	48.9	108.9
282	63.4	22.1	82.1

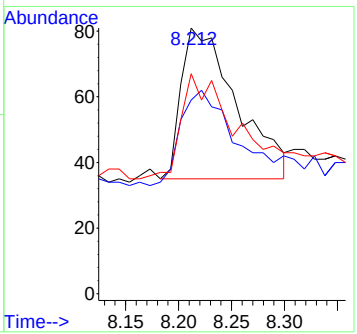


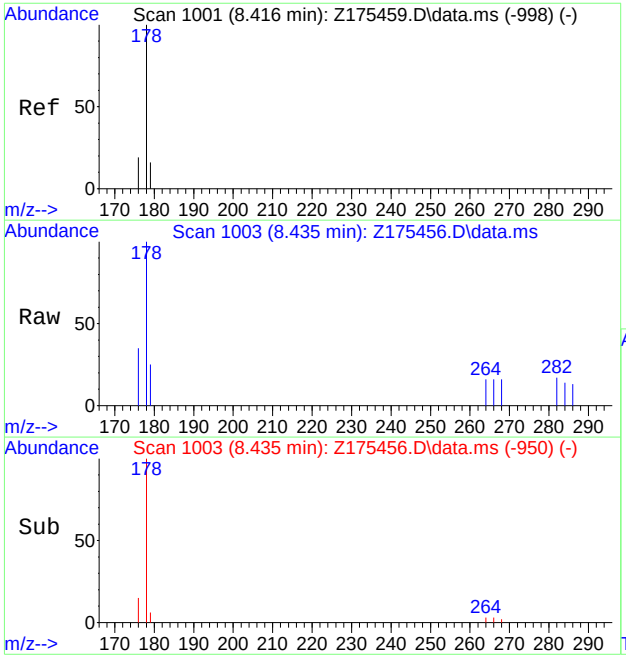


#21
Pentachlorophenol
Concen: 61.24 ppb
RT: 8.212 min Scan# 980
Delta R.T. 0.029 min
Lab File: Z175456.D
Acq: 10 Sep 2025 1:29 pm

Tgt Ion:266 Resp: 168

Ion	Ratio	Lower	Upper
266	100		
264	50.0	30.8	90.8
268	64.3	36.3	96.3

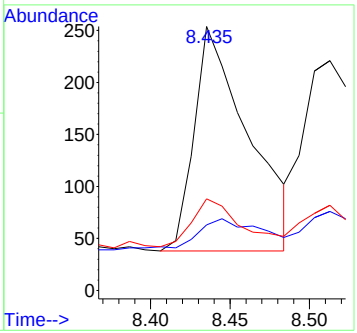


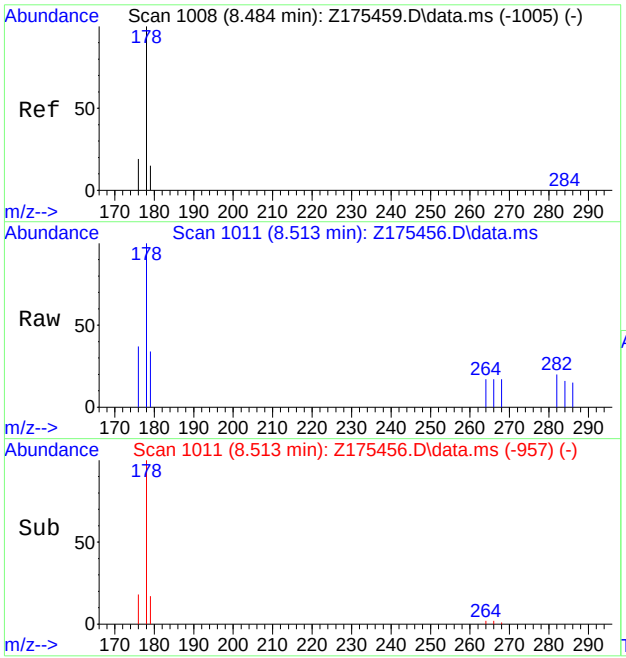


#22
Phenanthrene
Concen: 17.56 ppb
RT: 8.435 min Scan# 1003
Delta R.T. 0.020 min
Lab File: Z175456.D
Acq: 10 Sep 2025 1:29 pm

Tgt Ion:178 Resp: 511

Ion	Ratio	Lower	Upper
178	100		
179	9.0	0.0	45.6
176	22.3	0.0	48.6

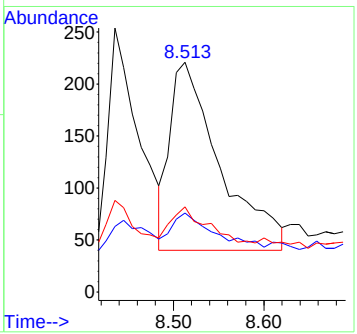


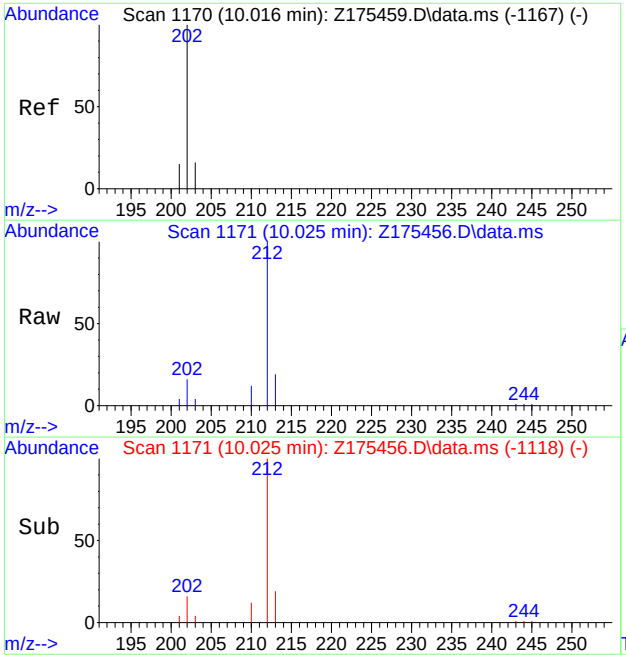


#23
Anthracene
Concen: 19.26 ppb m
RT: 8.513 min Scan# 1011
Delta R.T. 0.029 min
Lab File: Z175456.D
Acq: 10 Sep 2025 1:29 pm

Tgt Ion:178 Resp: 696

Ion	Ratio	Lower	Upper
178	100		
179	34.4	0.0	44.8
176	37.1	0.0	48.7

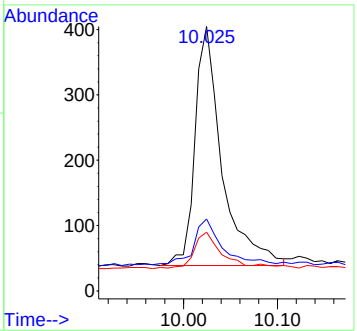


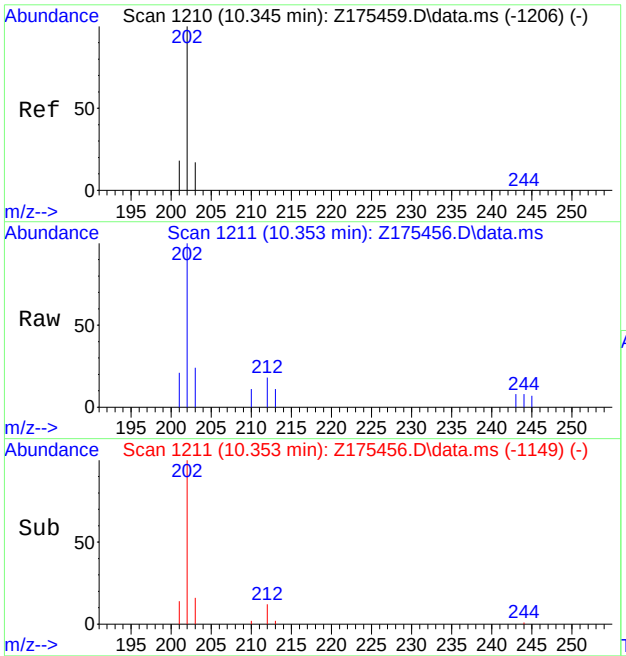


#24
Fluoranthene
Concen: 21.07 ppb
RT: 10.025 min Scan# 1171
Delta R.T. 0.008 min
Lab File: Z175456.D
Acq: 10 Sep 2025 1:29 pm

Tgt Ion:202 Resp: 730

Ion	Ratio	Lower	Upper
202	100		
203	18.6	0.0	46.4
201	14.5	0.0	45.1

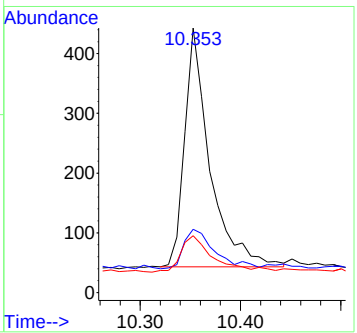


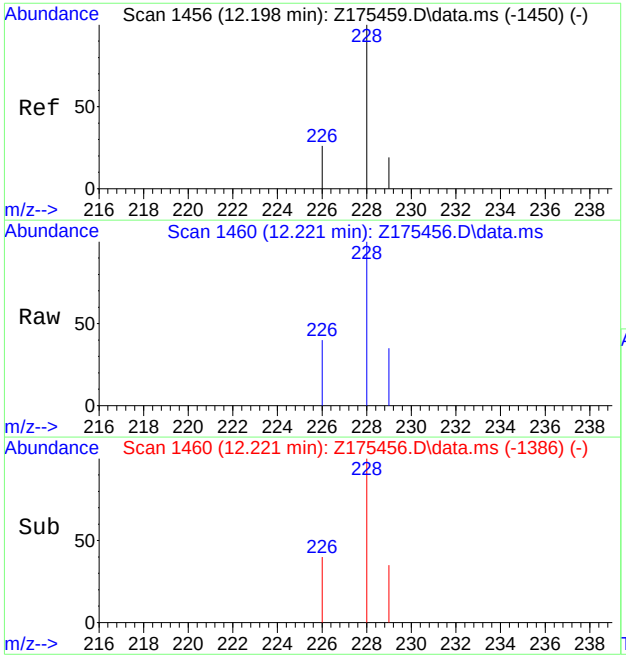


#25
Pyrene
Concen: 19.19 ppb
RT: 10.353 min Scan# 1211
Delta R.T. 0.008 min
Lab File: Z175456.D
Acq: 10 Sep 2025 1:29 pm

Tgt Ion:202 Resp: 700

Ion	Ratio	Lower	Upper
202	100		
203	15.6	0.0	47.4
201	14.2	0.0	47.8

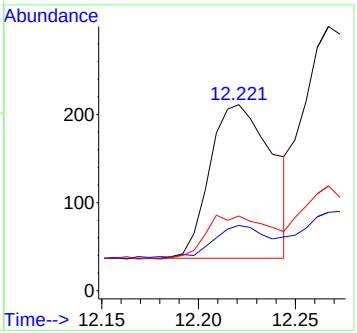


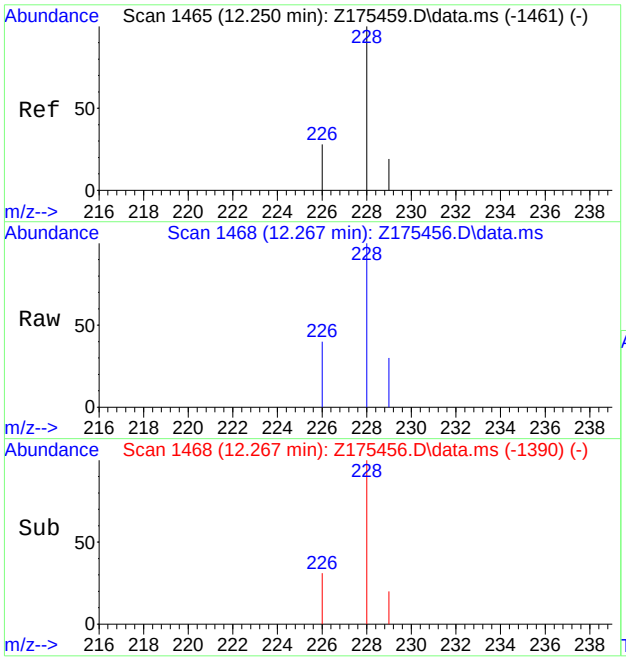


#27
Benzo[a]anthracene
Concen: 16.96 ppb
RT: 12.221 min Scan# 1460
Delta R.T. 0.023 min
Lab File: Z175456.D
Acq: 10 Sep 2025 1:29 pm

Tgt Ion:228 Resp: 392

Ion	Ratio	Lower	Upper
228	100		
229	20.6	0.0	49.3
226	28.8	0.0	55.6

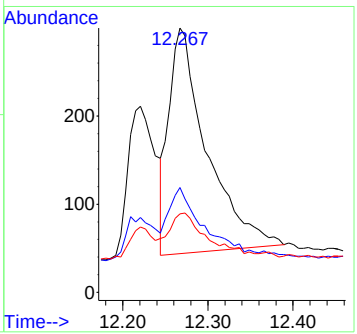


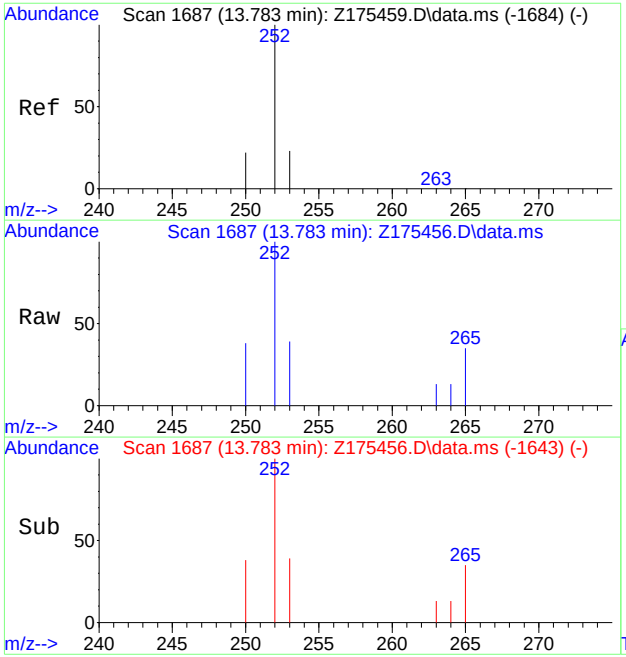


#28
Chrysene
Concen: 20.03 ppb
RT: 12.267 min Scan# 1468
Delta R.T. 0.017 min
Lab File: Z175456.D
Acq: 10 Sep 2025 1:29 pm

Tgt Ion:228 Resp: 795

Ion	Ratio	Lower	Upper
228	100		
226	32.5	0.0	58.4
229	19.3	0.0	49.1

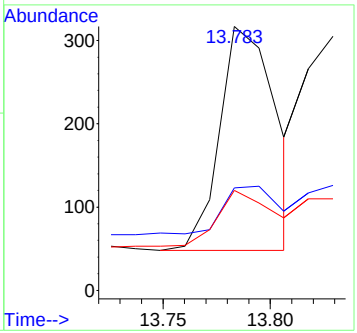


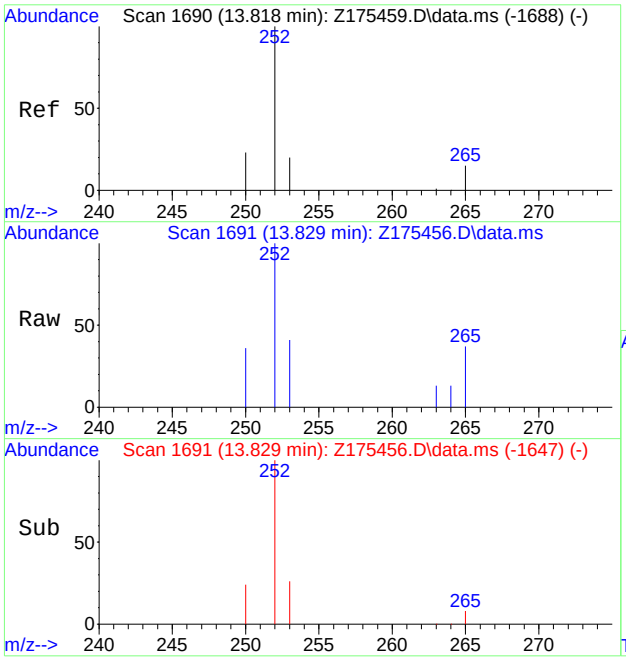


#30
Benzo[b]fluoranthene
Concen: 22.07 ppb
RT: 13.783 min Scan# 1687
Delta R.T. 0.000 min
Lab File: Z175456.D
Acq: 10 Sep 2025 1:29 pm

Tgt Ion:252 Resp: 493

Ion	Ratio	Lower	Upper
252	100		
253	20.4	0.0	52.6
250	24.9	0.0	51.9

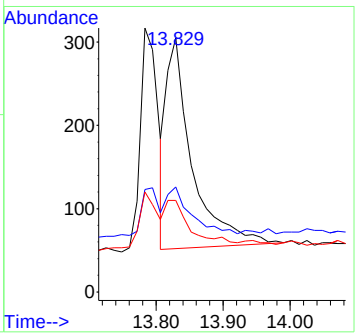


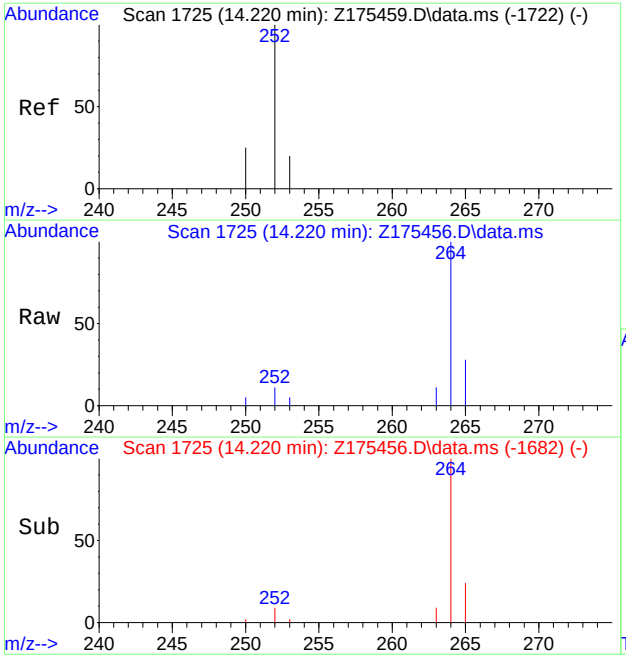


#31
Benzo[k]fluoranthene
Concen: 19.34 ppb
RT: 13.829 min Scan# 1691
Delta R.T. 0.012 min
Lab File: Z175456.D
Acq: 10 Sep 2025 1:29 pm

Tgt Ion:252 Resp: 682

Ion	Ratio	Lower	Upper
252	100		
253	23.2	0.0	51.0
250	20.2	0.0	53.1

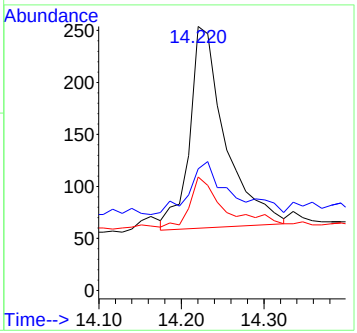


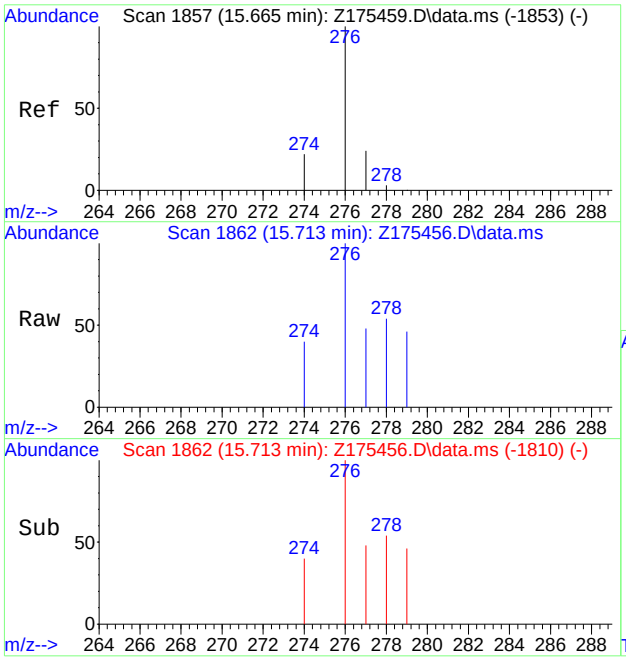


#32
Benzo[a]pyrene
Concen: 21.48 ppb
RT: 14.220 min Scan# 1725
Delta R.T. 0.000 min
Lab File: Z175456.D
Acq: 10 Sep 2025 1:29 pm

Tgt Ion:252 Resp: 579

Ion	Ratio	Lower	Upper
252	100		
253	22.6	0.0	50.2
250	25.0	0.0	54.3

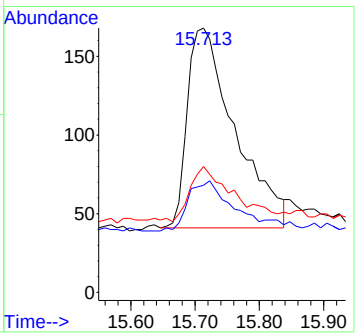


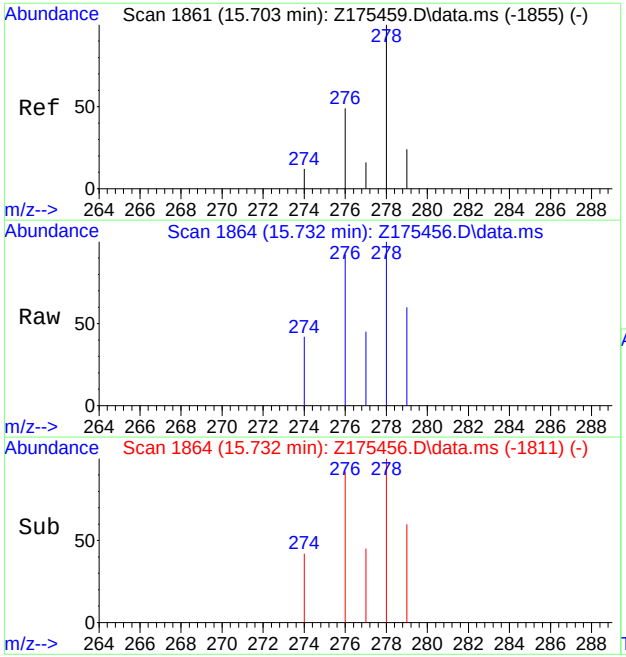


#33
Indeno[1,2,3-cd]pyrene
Concen: 21.41 ppb
RT: 15.713 min Scan# 1862
Delta R.T. 0.048 min
Lab File: Z175456.D
Acq: 10 Sep 2025 1:29 pm

Tgt Ion:276 Resp: 653

Ion	Ratio	Lower	Upper
276	100		
274	22.9	0.0	51.7
277	26.7	0.0	53.6

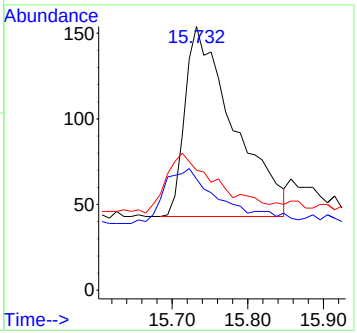


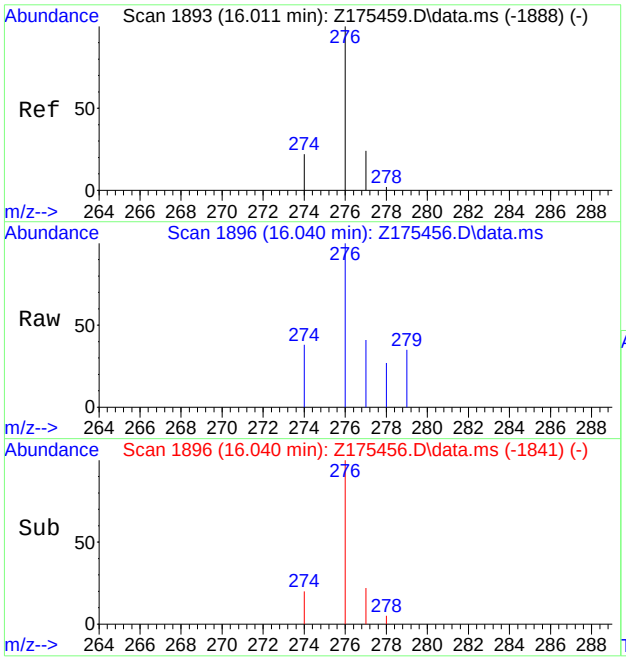


#34
Dibenz[a,h]anthracene
Concen: 19.64 ppb
RT: 15.732 min Scan# 1864
Delta R.T. 0.029 min
Lab File: Z175456.D
Acq: 10 Sep 2025 1:29 pm

Tgt Ion:278 Resp: 496

Ion	Ratio	Lower	Upper
278	100		
274	15.5	0.0	44.0
277	16.5	0.0	46.5

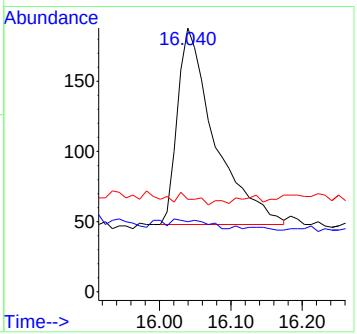




#35
Benzo[g,h,i]perylene
Concen: 19.06 ppb
RT: 16.040 min Scan# 1896
Delta R.T. 0.029 min
Lab File: Z175456.D
Acq: 10 Sep 2025 1:29 pm

Tgt Ion:276 Resp: 507

Ion	Ratio	Lower	Upper
276	100		
278	1.8	0.0	32.8
279	0.0	0.0	30.0



Manual Integration Approval Summary

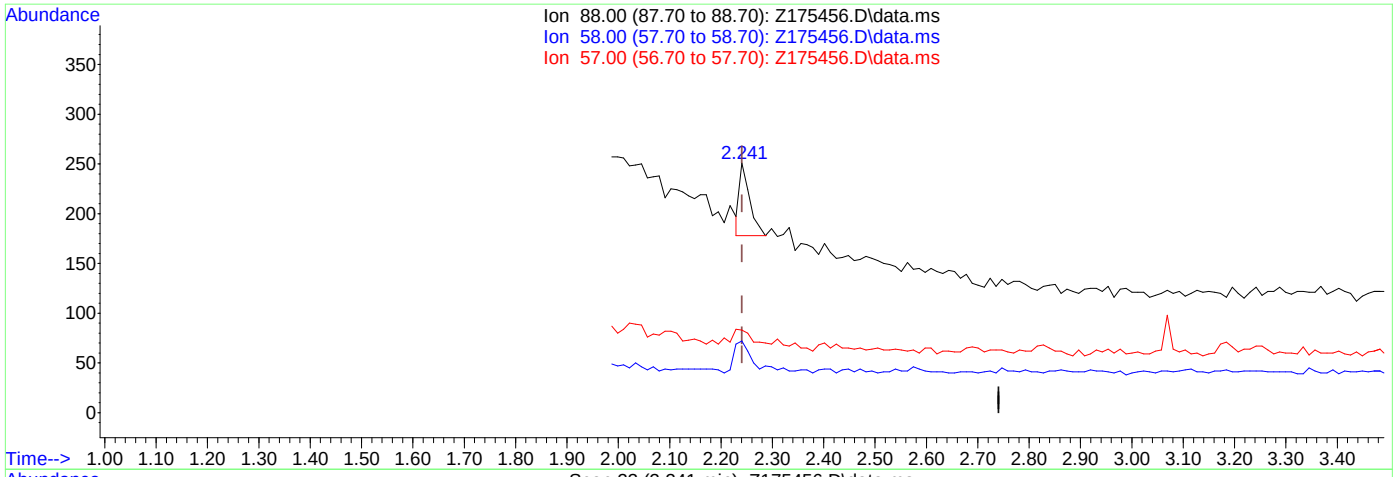
Sample Number: EZ8654-IC8654
Lab FileID: Z175456.D
Injection Time: 09/10/25 13:29
Method: SW846 8270E BY SIM
Analyst approved: 09/11/25 12:10 Ying Li
Supervisor approved: 09/15/25 15:51 Nina Pandya

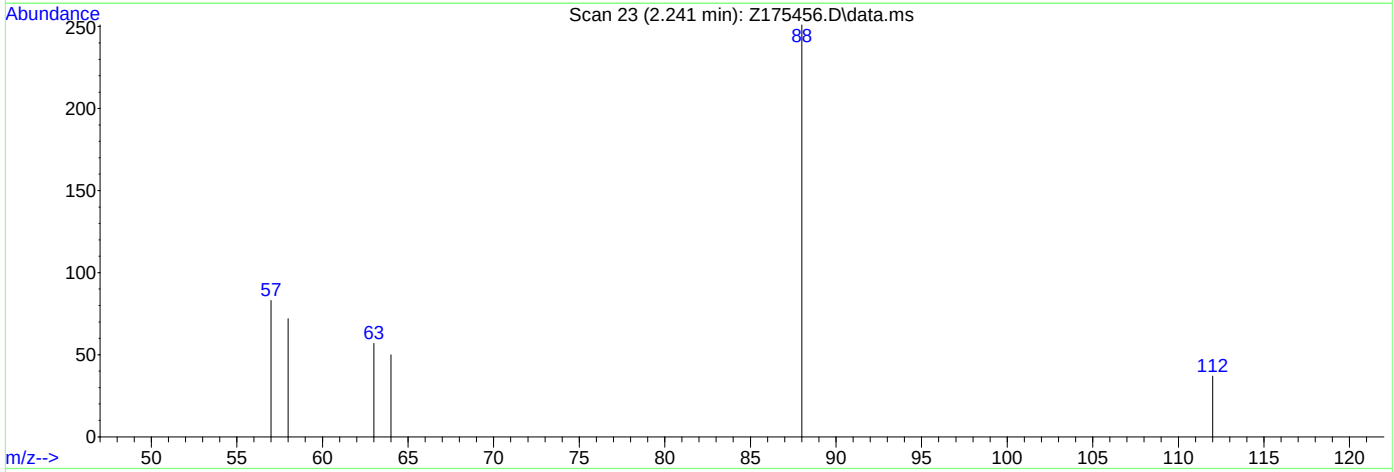
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,4-Dioxane	123-91-1		2.24	Poor instrument integration
Phenol	108-95-2		4.36	Poor instrument integration
Phenol-d5	4165-62-2		4.36	Poor instrument integration
Naphthalene	91-20-3		5.49	Poor instrument integration
2-Methylnaphthalene	91-57-6		5.98	Poor instrument integration
Acenaphthylene	208-96-8		6.70	Poor instrument integration
Acenaphthene	83-32-9		6.85	Poor instrument integration
Fluorene	86-73-7		7.33	Poor instrument integration
Anthracene	120-12-7		8.51	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175456.D
Acq On : 10 Sep 2025 1:29 pm
Operator : rocquans
Sample : ic8654-0.02
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 16:35:34 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175456.D\data.ms

(2) 1,4-Dioxane (t)

2.241min (+0.000) 24.77ppb

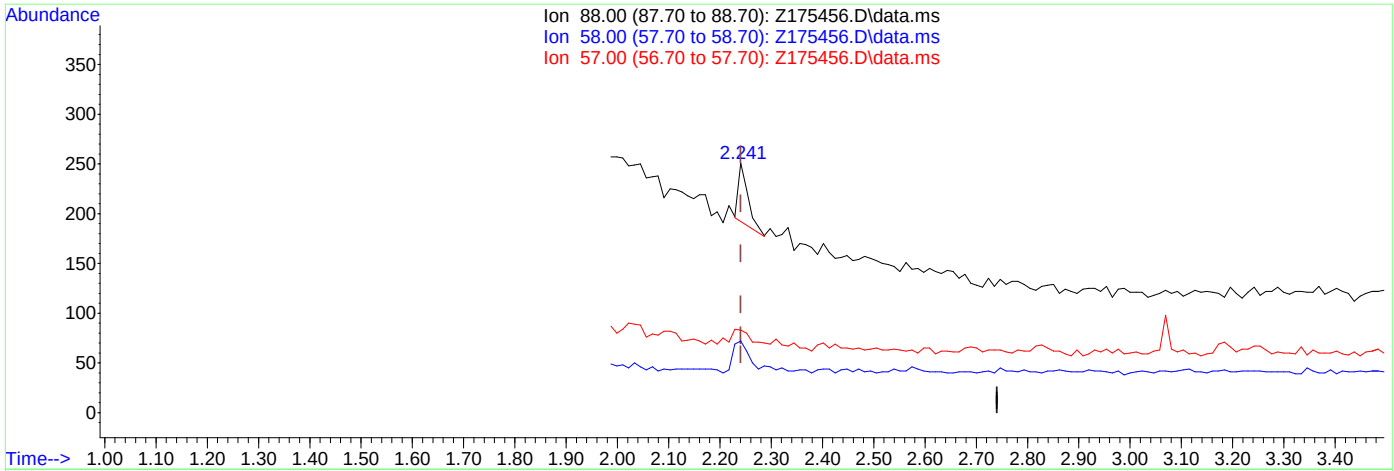
response 101

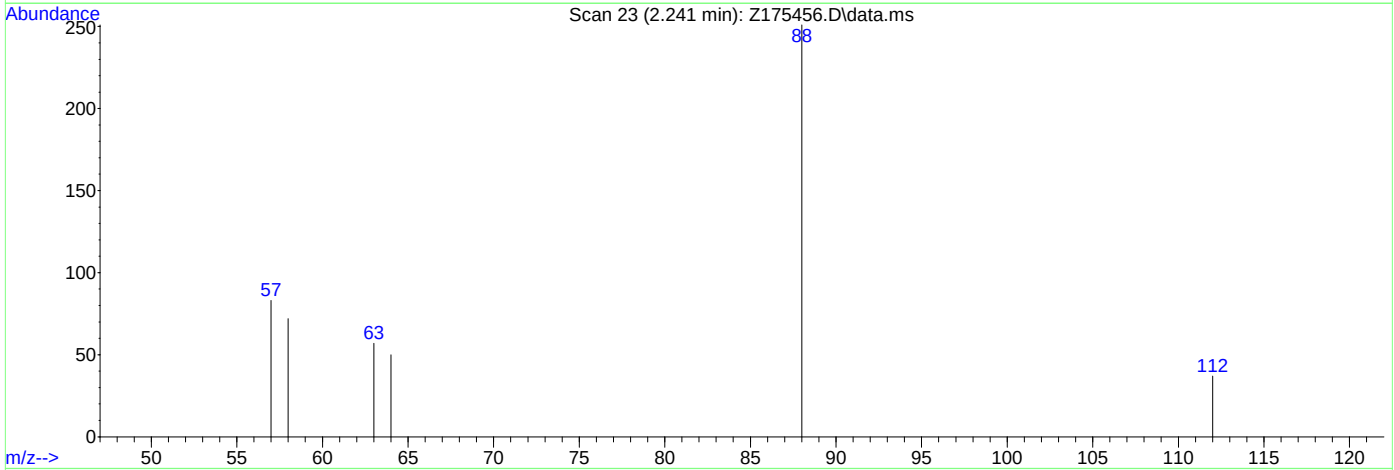
Ion	Exp%	Act%
88.00	100	100
58.00	35.60	22.05
57.00	20.00	9.45
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175456.D
Acq On : 10 Sep 2025 1:29 pm
Operator : rocquans
Sample : ic8654-0.02
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 16:35:34 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175456.D\data.ms

(2) 1,4-Dioxane (t)

2.241min (+0.000) 17.41ppb m

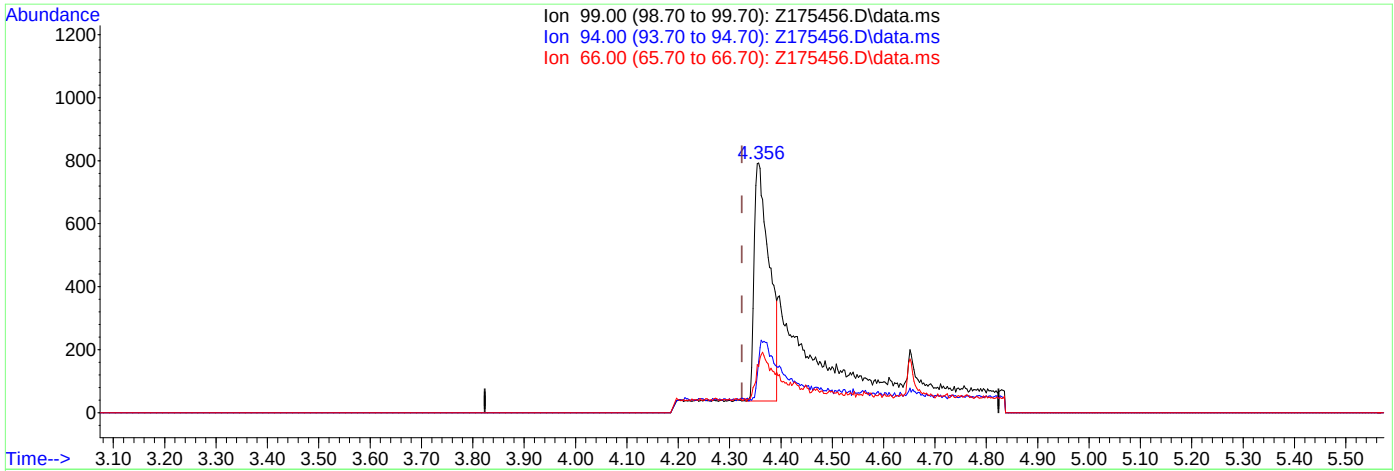
response 71

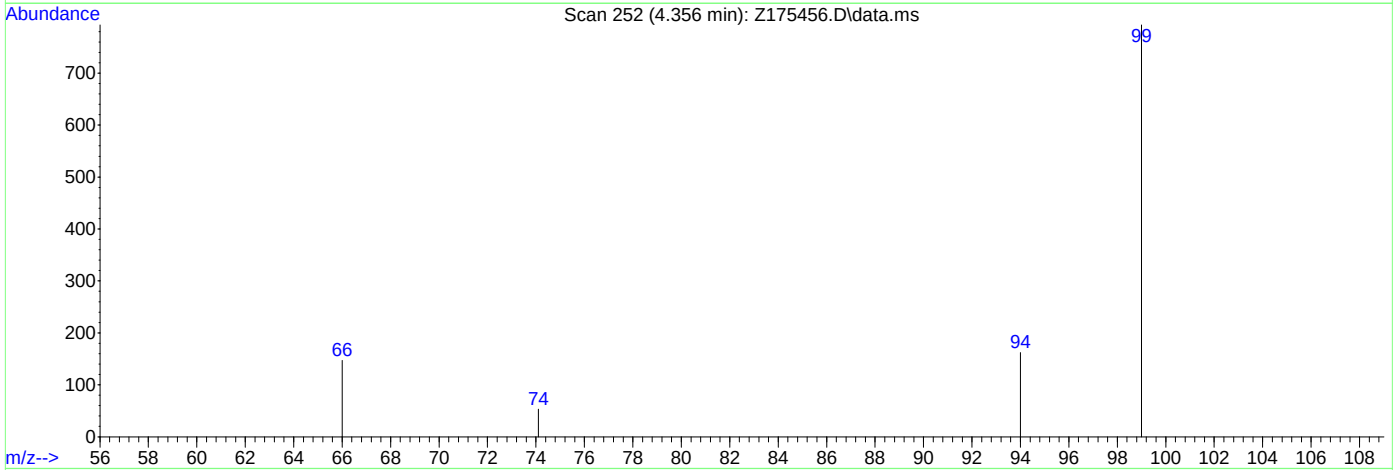
Ion	Exp%	Act%
88.00	100	100
58.00	35.60	28.69
57.00	20.00	33.07
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175456.D
Acq On : 10 Sep 2025 1:29 pm
Operator : rocquans
Sample : ic8654-0.02
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 16:35:34 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175456.D\data.ms

(4) Phenol-d5 (S)

4.356min (+0.033) 184.04ppb

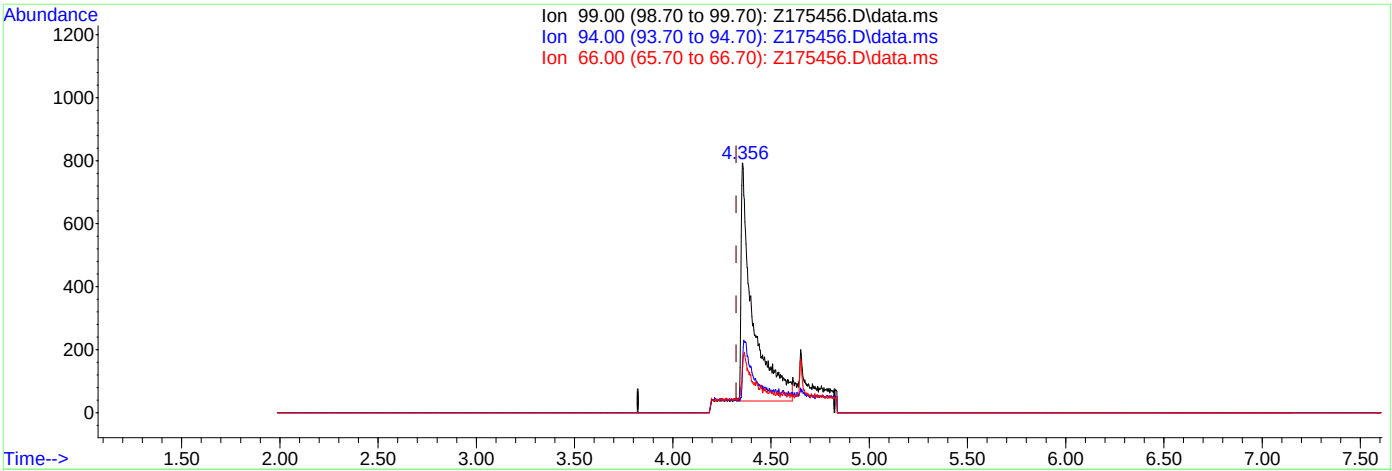
response 1539

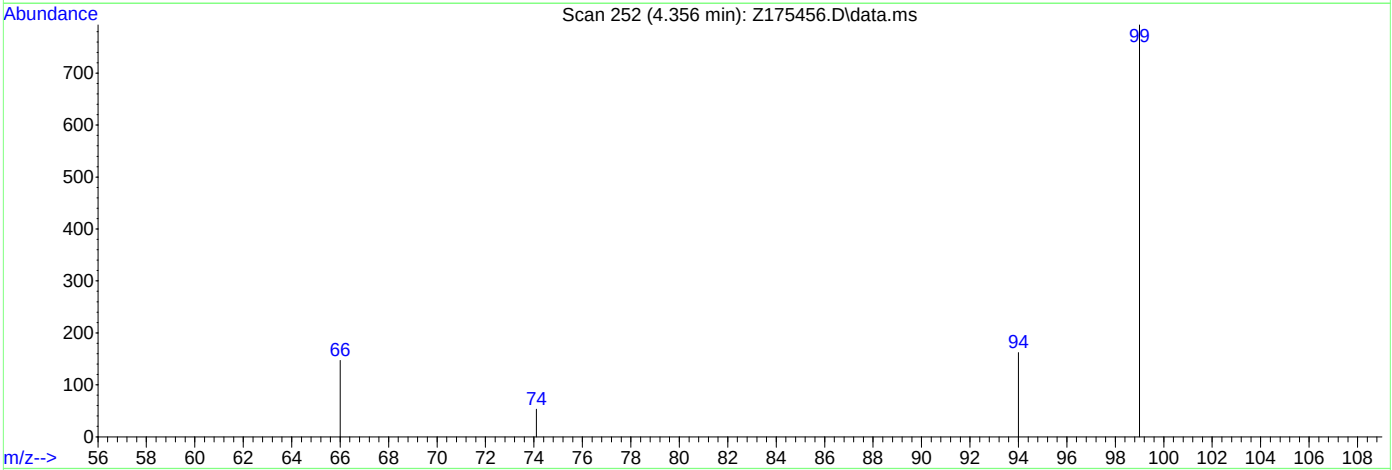
Ion	Exp%	Act%
99.00	100	100
94.00	0.40	11.22
66.00	7.40	10.39
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175456.D
Acq On : 10 Sep 2025 1:29 pm
Operator : rocquans
Sample : ic8654-0.02
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 16:35:34 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175456.D\data.ms

(4) Phenol-d5 (S)

4.356min (+0.033) 377.52ppb m

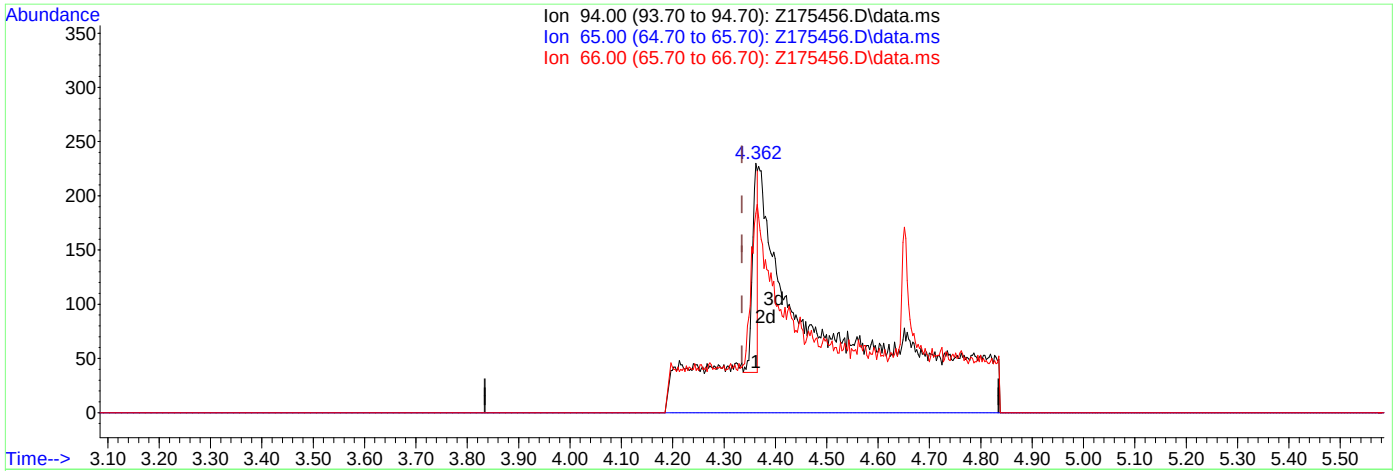
response 3157

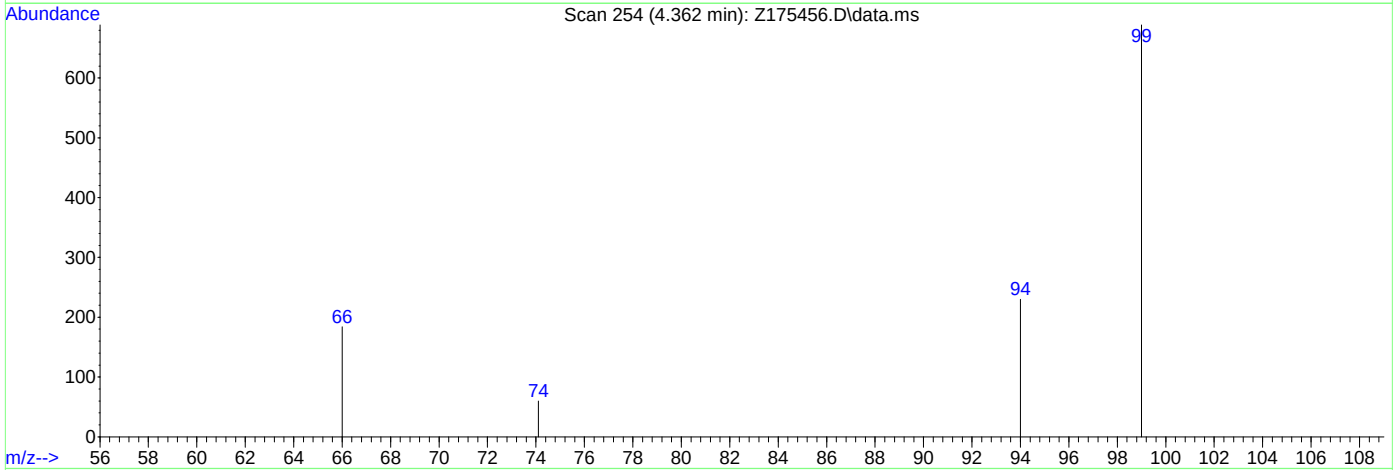
Ion	Exp%	Act%
99.00	100	100
94.00	0.40	20.43
66.00	7.40	18.54
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175456.D
Acq On : 10 Sep 2025 1:29 pm
Operator : rocquans
Sample : ic8654-0.02
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 16:35:34 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175456.D\data.ms

(5) Phenol

4.362min (+0.027) 15.81ppb

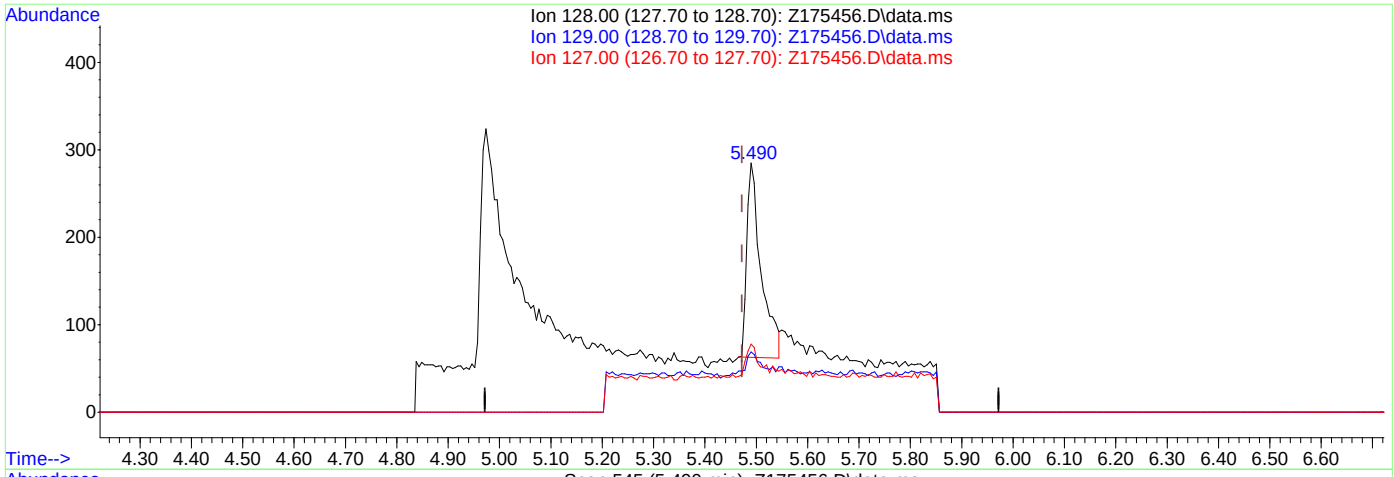
response 134

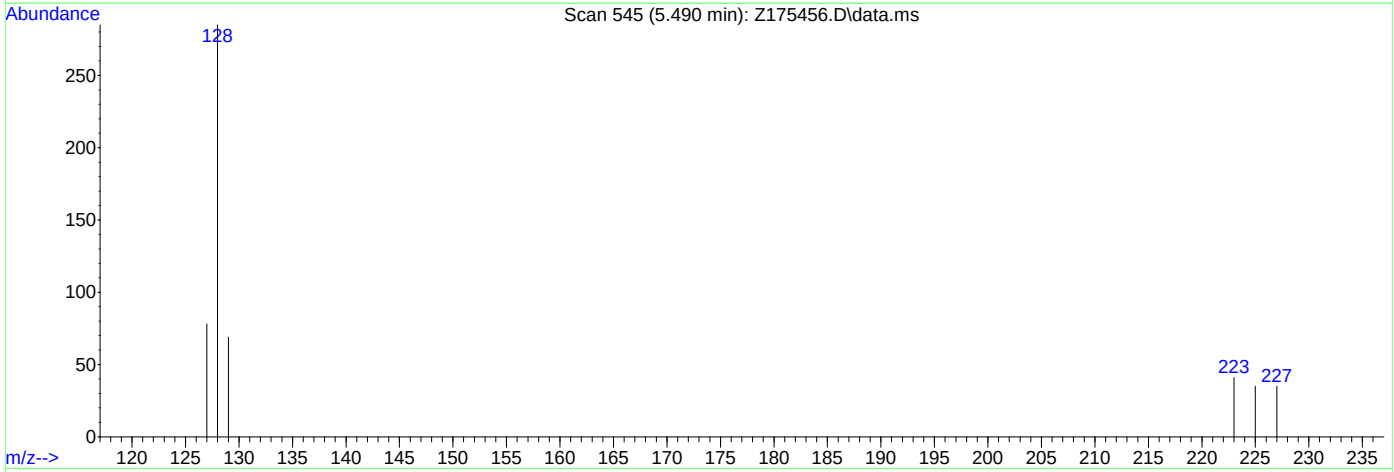
Ion	Exp%	Act%
94.00	100	100
65.00	0.00	0.00
66.00	62.30	66.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175456.D
Acq On : 10 Sep 2025 1:29 pm
Operator : rocquans
Sample : ic8654-0.02
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 16:35:34 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175456.D\data.ms

(7) Naphthalene (t)

5.490min (+0.018) 15.02ppb

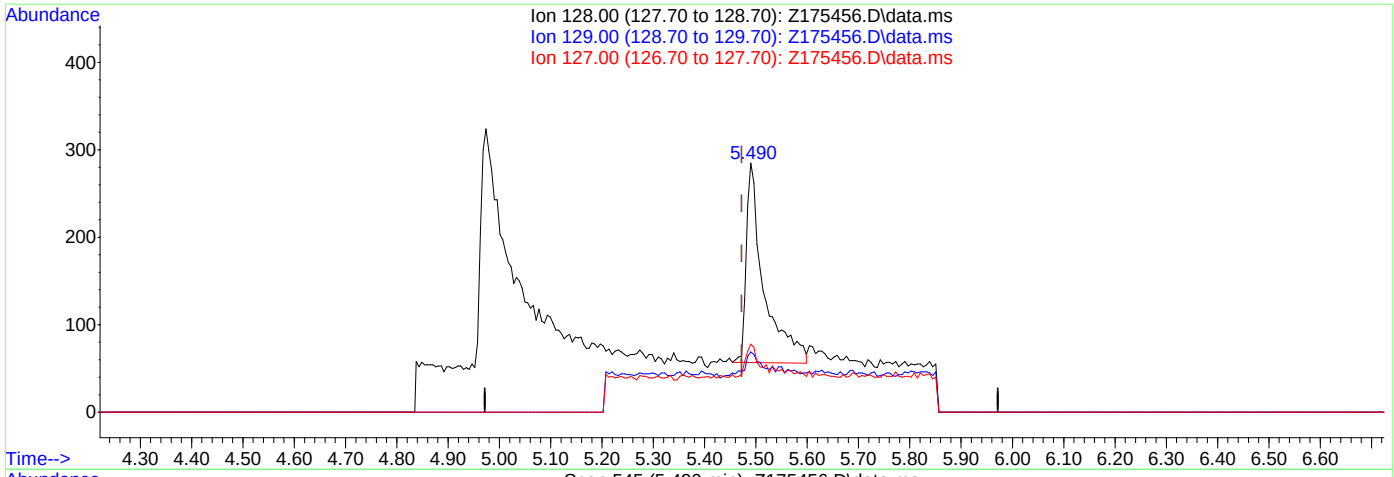
response 432

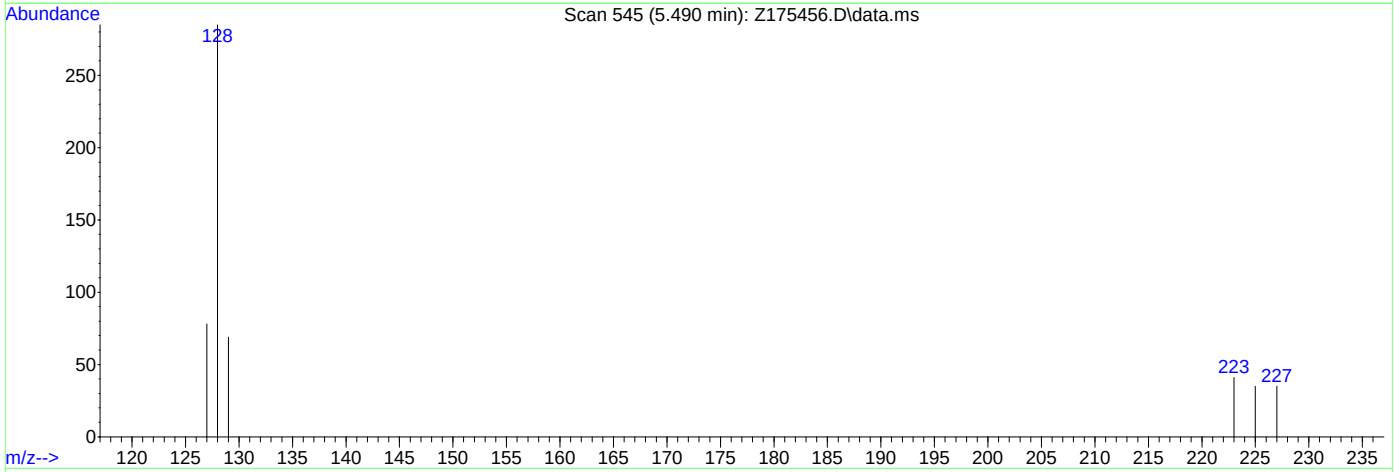
Ion	Exp%	Act%
128.00	100	100
129.00	10.60	9.40
127.00	13.30	16.39
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175456.D
Acq On : 10 Sep 2025 1:29 pm
Operator : rocquans
Sample : ic8654-0.02
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 16:35:34 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175456.D\data.ms

(7) Naphthalene (t)

5.490min (+0.018) 18.98ppb m

response 546

Ion	Exp%	Act%
128.00	100	100
129.00	10.60	24.21
127.00	13.30	27.37
0.00	0.00	0.00

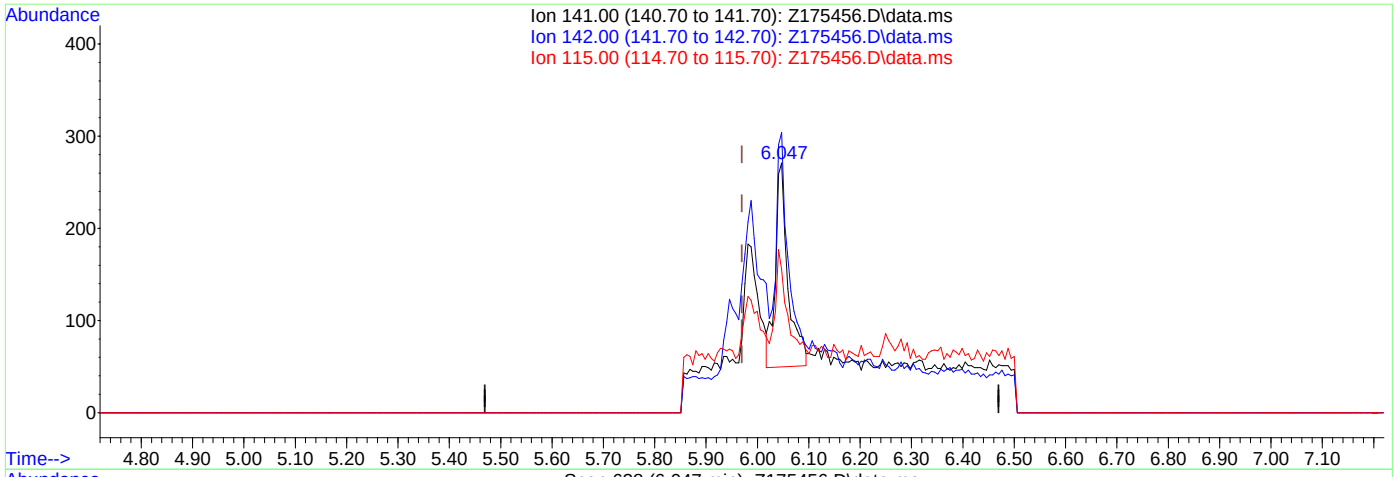
9.5.32.8

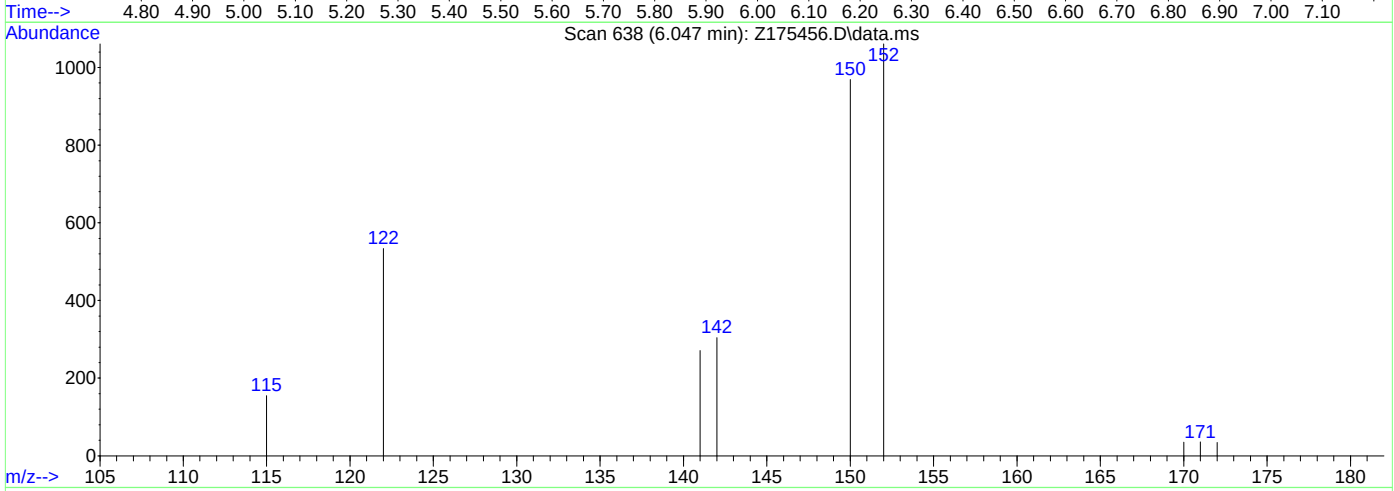
9

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175456.D
Acq On : 10 Sep 2025 1:29 pm
Operator : rocquans
Sample : ic8654-0.02
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 16:35:34 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175456.D\data.ms

(9) 2-Methylnaphthalene (t)

6.047min (+0.078) 21.18ppb

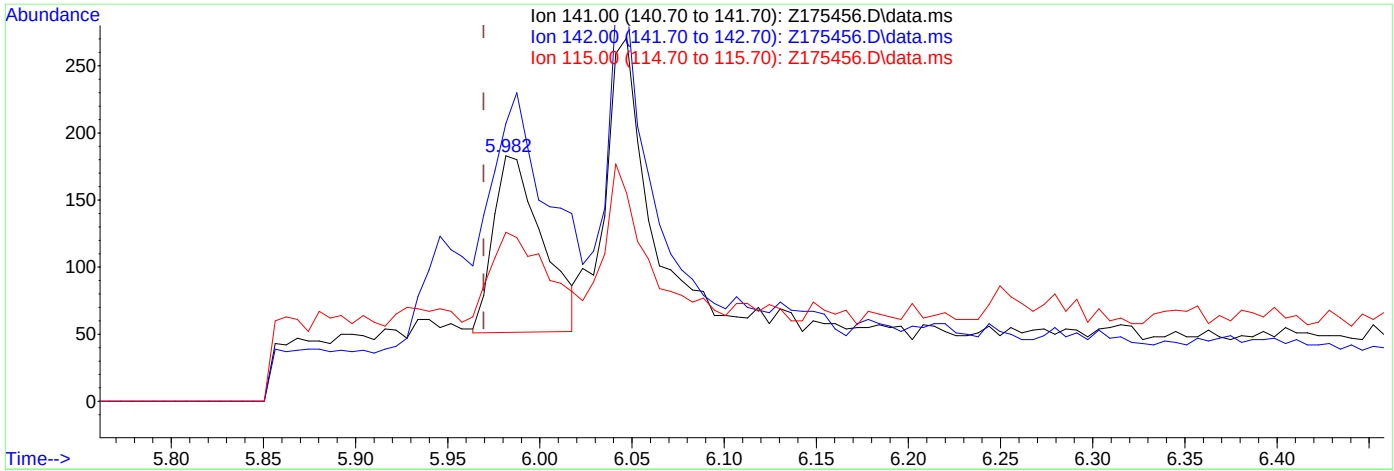
response 378

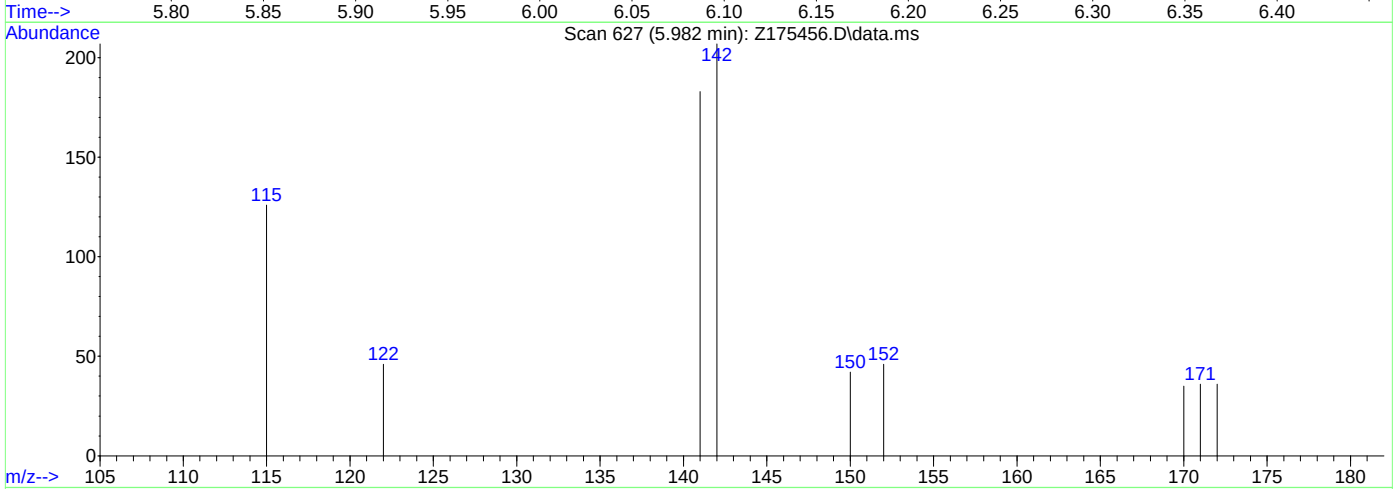
Ion	Exp%	Act%
141.00	100	100
142.00	107.10	100.77
115.00	54.30	40.82
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175456.D
Acq On : 10 Sep 2025 1:29 pm
Operator : rocquans
Sample : ic8654-0.02
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 16:35:34 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175456.D\data.ms

(9) 2-Methylnaphthalene (t)

5.982min (+0.012) 13.67ppb m

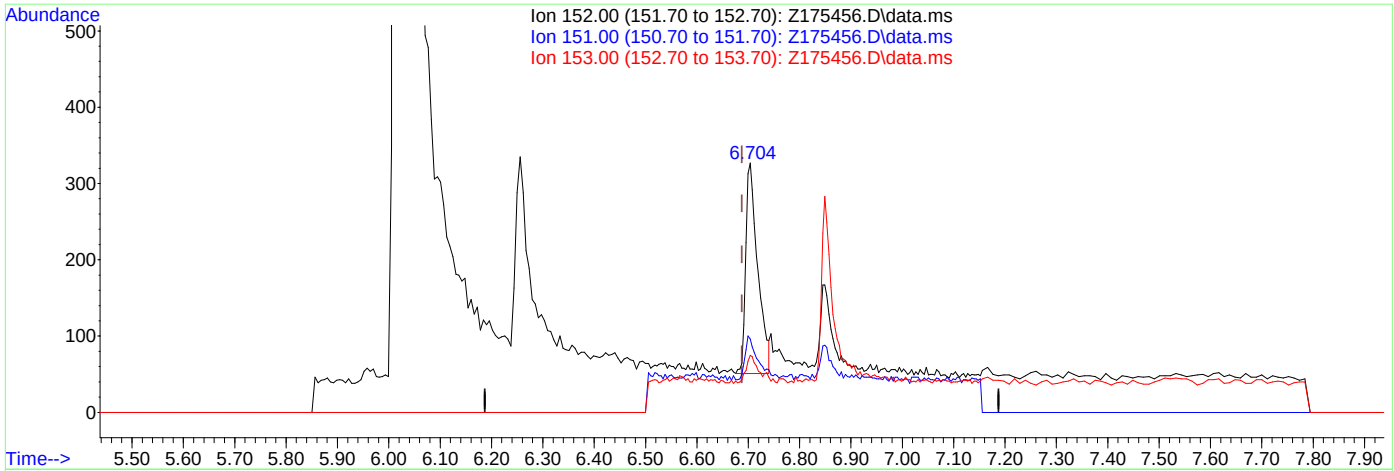
response 244

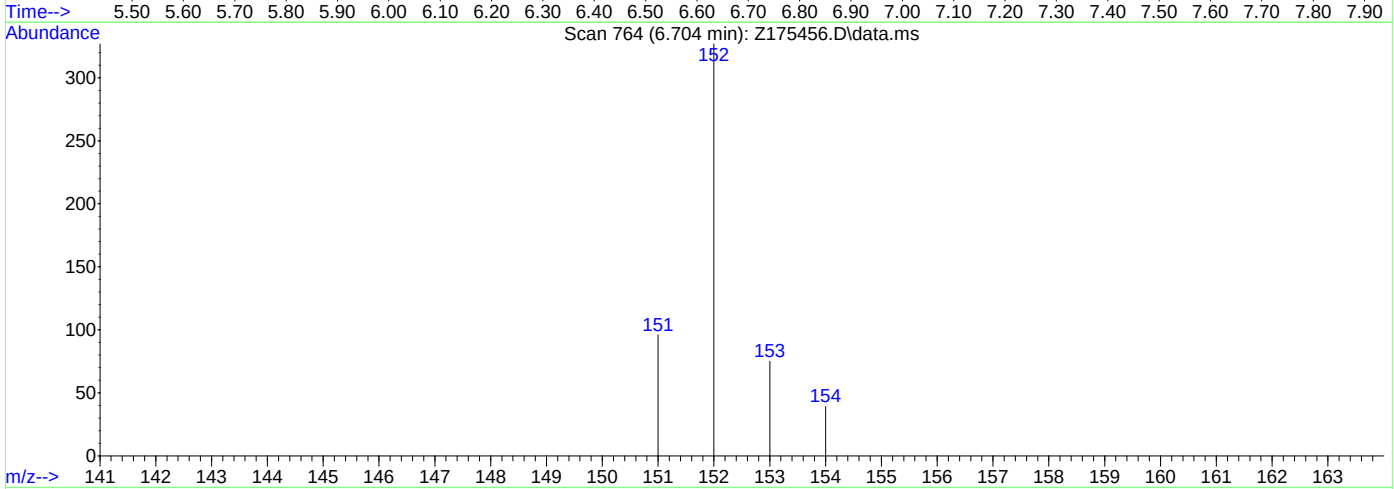
Ion	Exp%	Act%
141.00	100	100
142.00	107.10	113.11
115.00	54.30	68.85
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175456.D
Acq On : 10 Sep 2025 1:29 pm
Operator : rocquans
Sample : ic8654-0.02
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 16:35:34 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175456.D\data.ms

(14) Acenaphthylene (t)

6.704min (+0.016) 15.86ppb

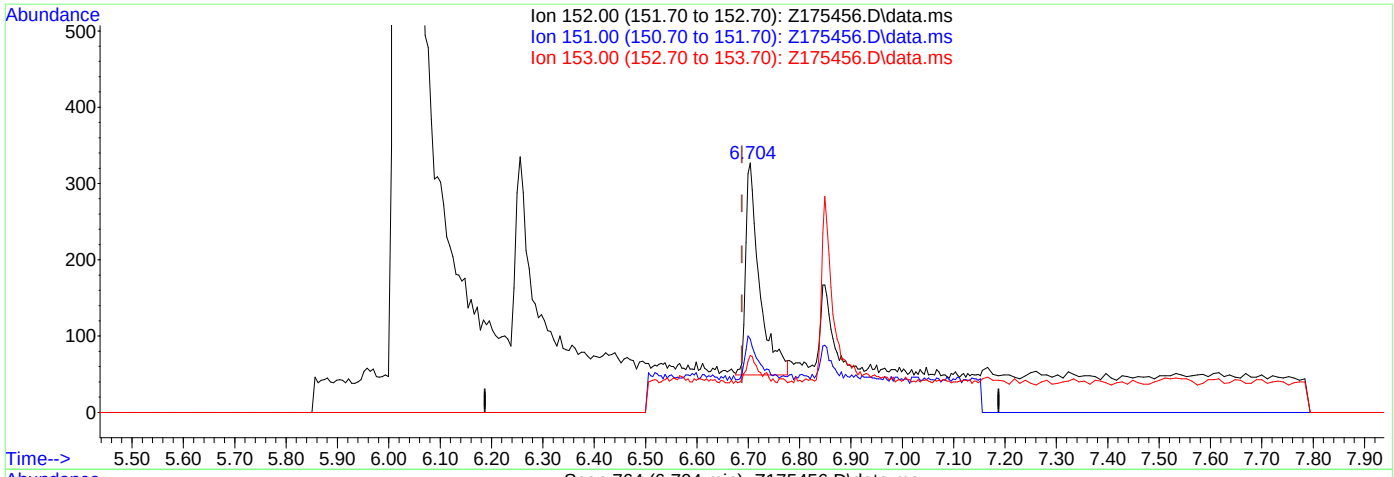
response 448

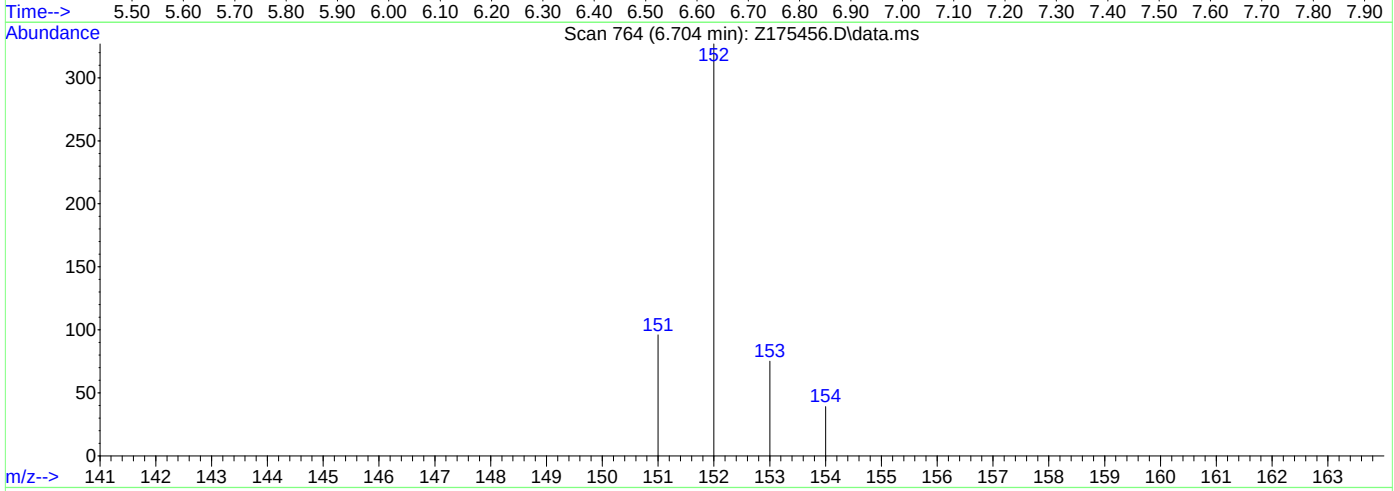
Ion	Exp%	Act%
152.00	100	100
151.00	20.10	18.27
153.00	12.60	12.38
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175456.D
Acq On : 10 Sep 2025 1:29 pm
Operator : rocquans
Sample : ic8654-0.02
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 16:35:34 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175456.D\data.ms

(14) Acenaphthylene (t)

6.704min (+0.016) 18.45ppb m

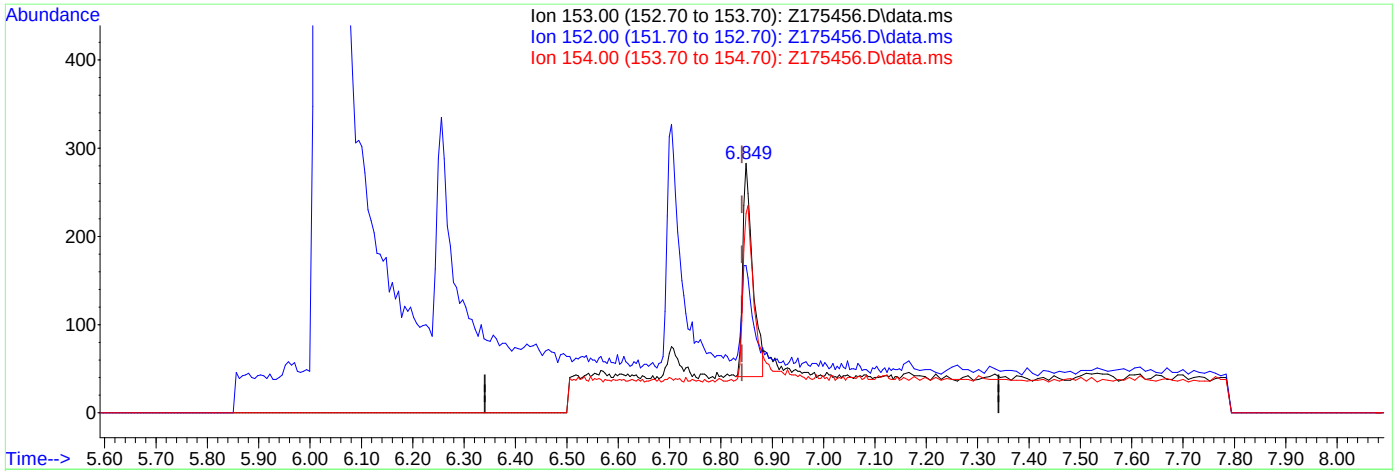
response 521

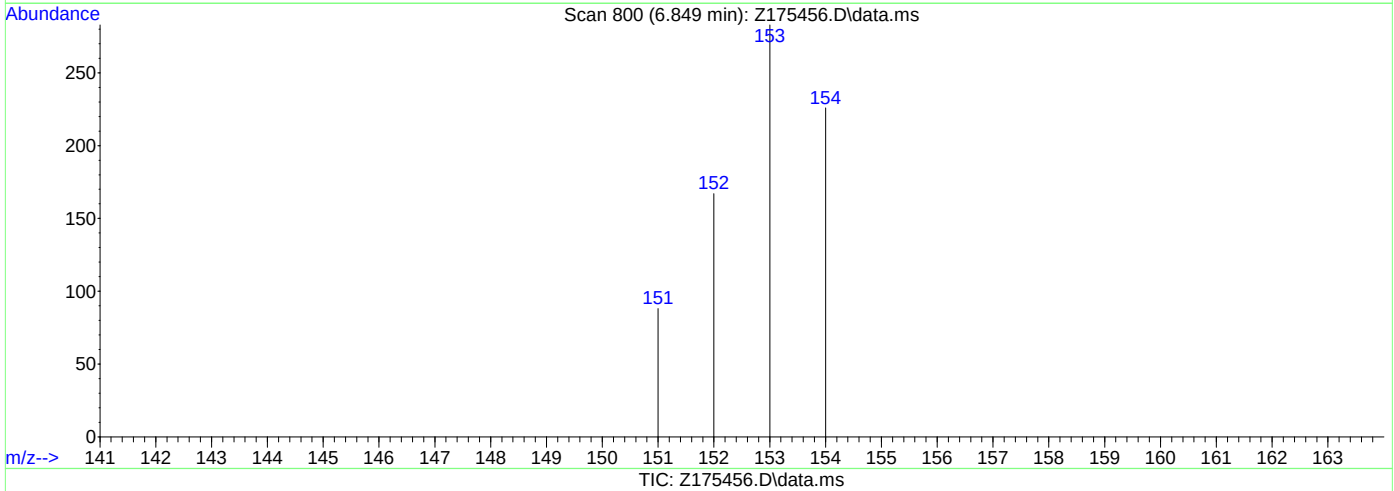
Ion	Exp%	Act%
152.00	100	100
151.00	20.10	29.36
153.00	12.60	22.94
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175456.D
Acq On : 10 Sep 2025 1:29 pm
Operator : rocquans
Sample : ic8654-0.02
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 16:35:34 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175456.D\data.ms

(15) Acenaphthene (t)

6.849min (+0.008) 16.26ppb

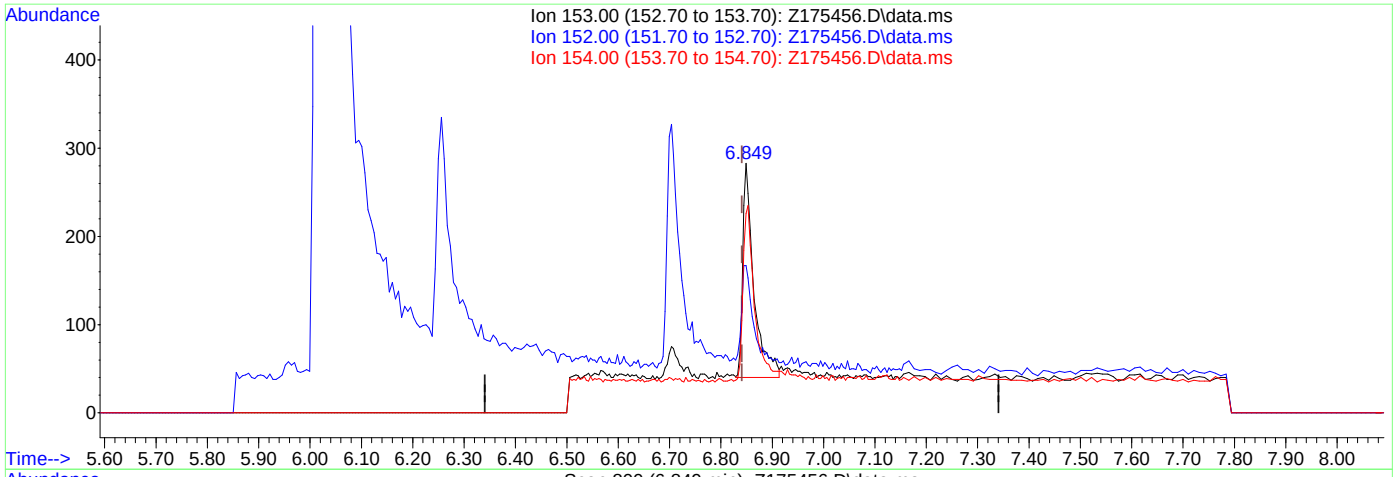
response 323

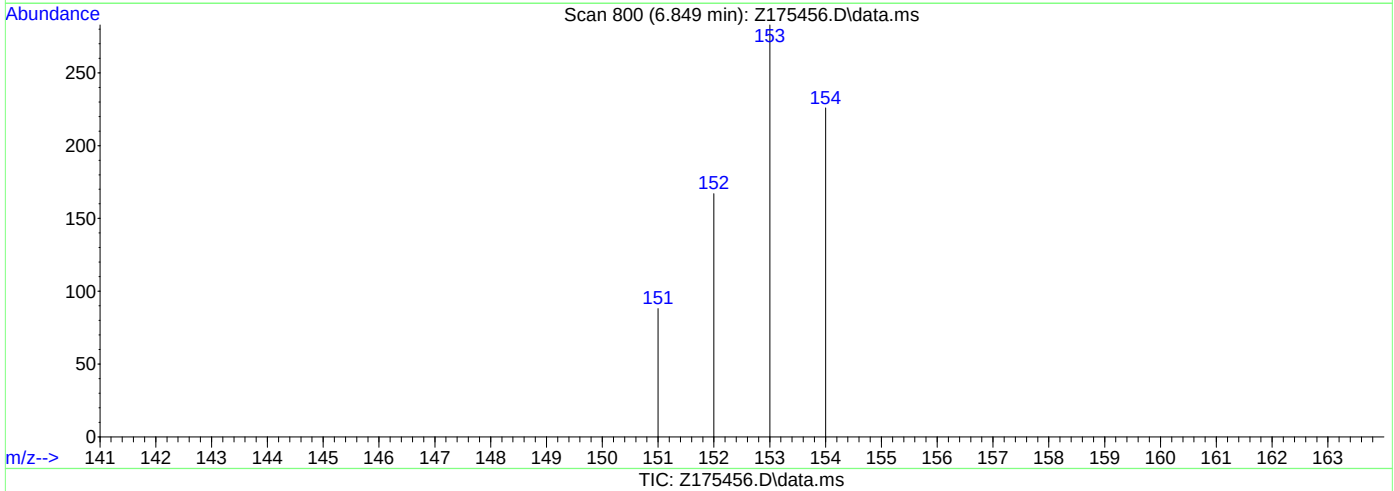
Ion	Exp%	Act%
153.00	100	100
152.00	46.60	43.86
154.00	87.90	76.54
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175456.D
Acq On : 10 Sep 2025 1:29 pm
Operator : rocquans
Sample : ic8654-0.02
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 16:35:34 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175456.D\data.ms

(15) Acenaphthene (t)

6.849min (+0.008) 18.42ppb m

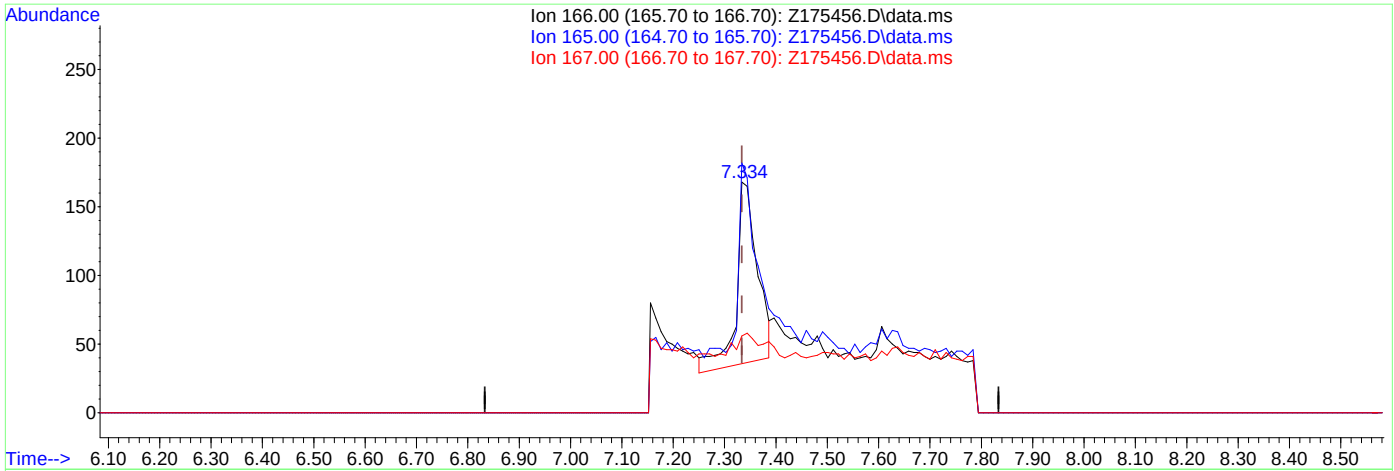
response 366

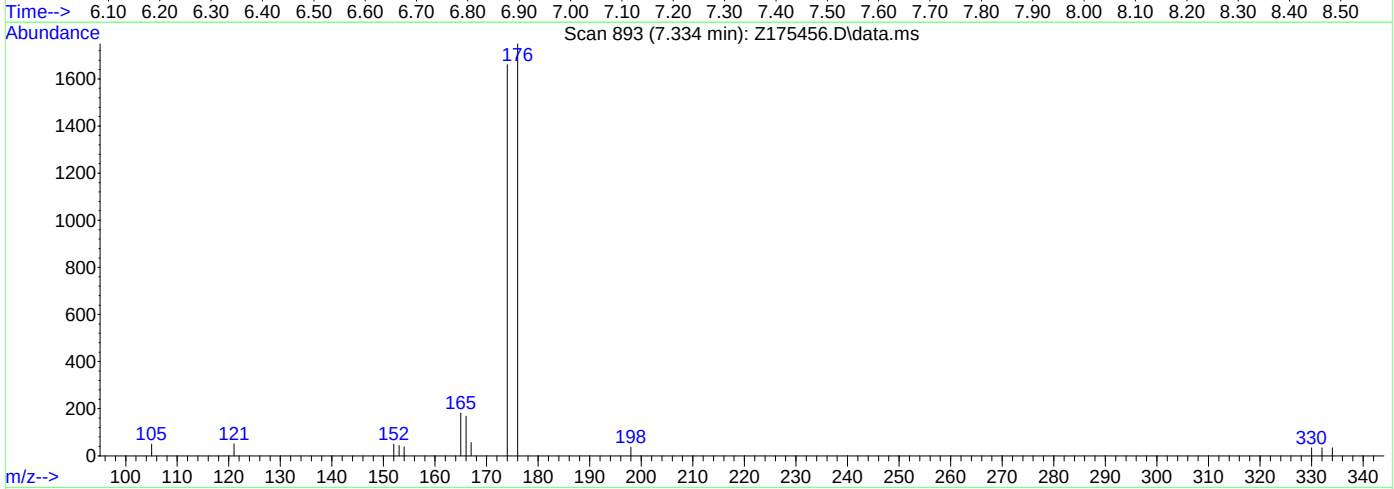
Ion	Exp%	Act%
153.00	100	100
152.00	46.60	59.01
154.00	87.90	79.86
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175456.D
Acq On : 10 Sep 2025 1:29 pm
Operator : rocquans
Sample : ic8654-0.02
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 16:35:34 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175456.D\data.ms

(16) Fluorene (t)

7.334min (+0.000) 16.43ppb

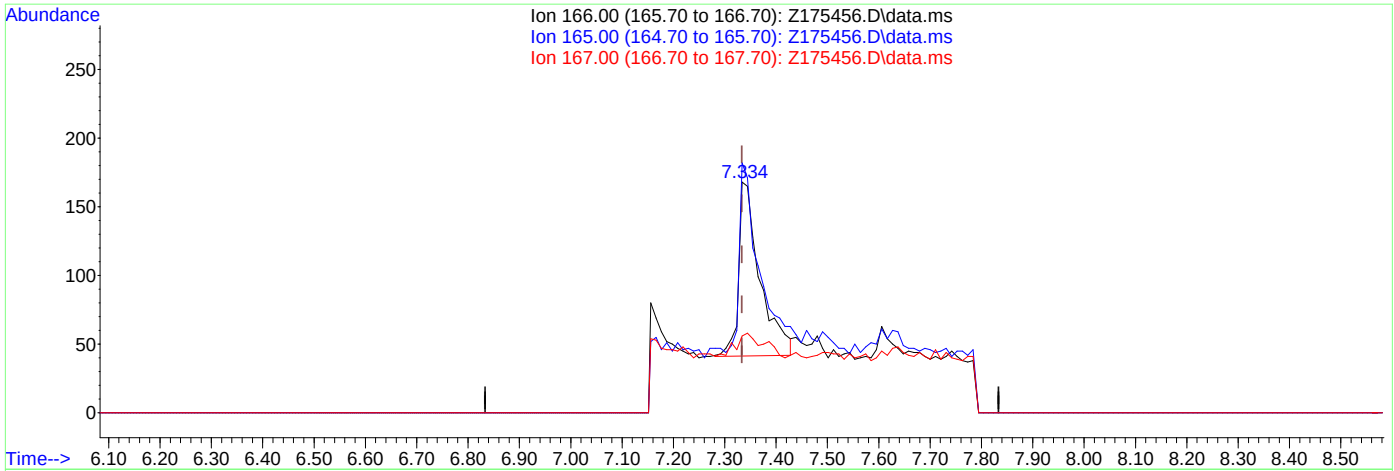
response 376

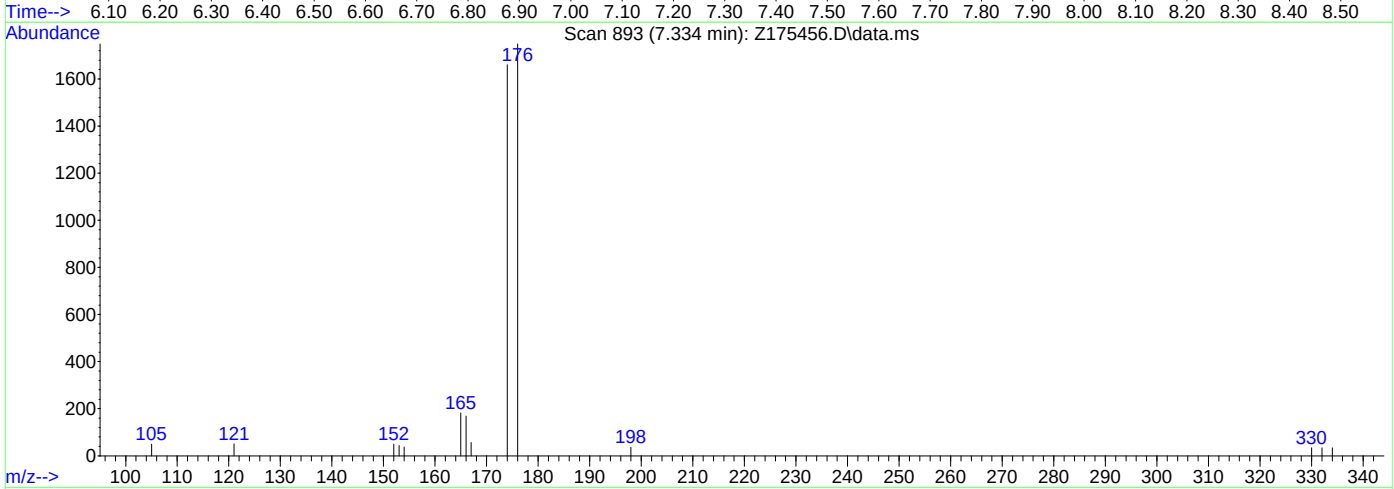
Ion	Exp%	Act%
166.00	100	100
165.00	95.80	105.68
167.00	13.50	7.42
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175456.D
Acq On : 10 Sep 2025 1:29 pm
Operator : rocquans
Sample : ic8654-0.02
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 16:35:34 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175456.D\data.ms

(16) Fluorene (t)

7.334min (+0.000) 16.03ppb m

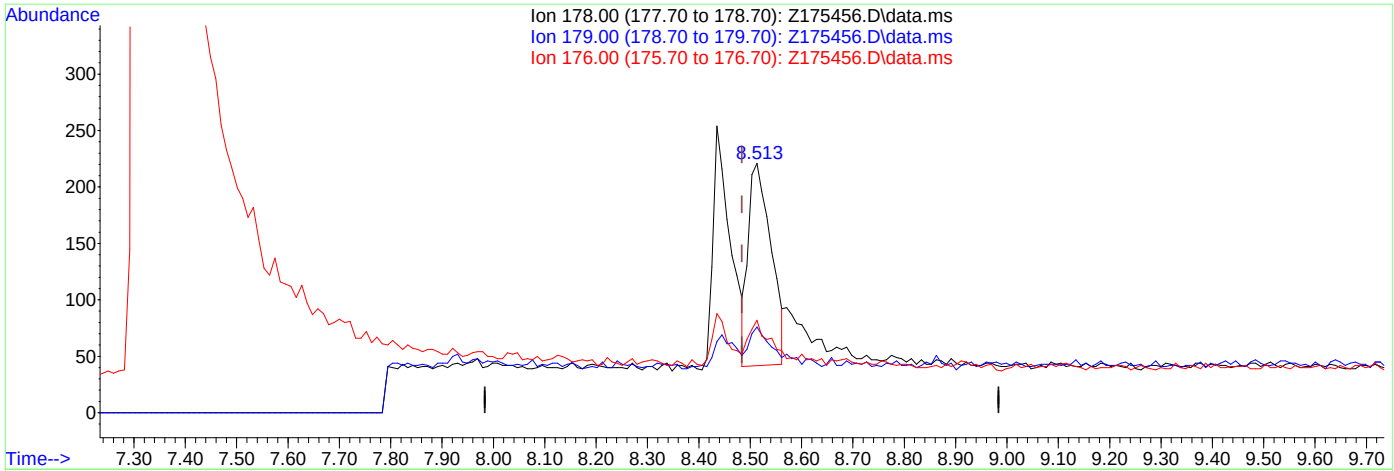
response 367

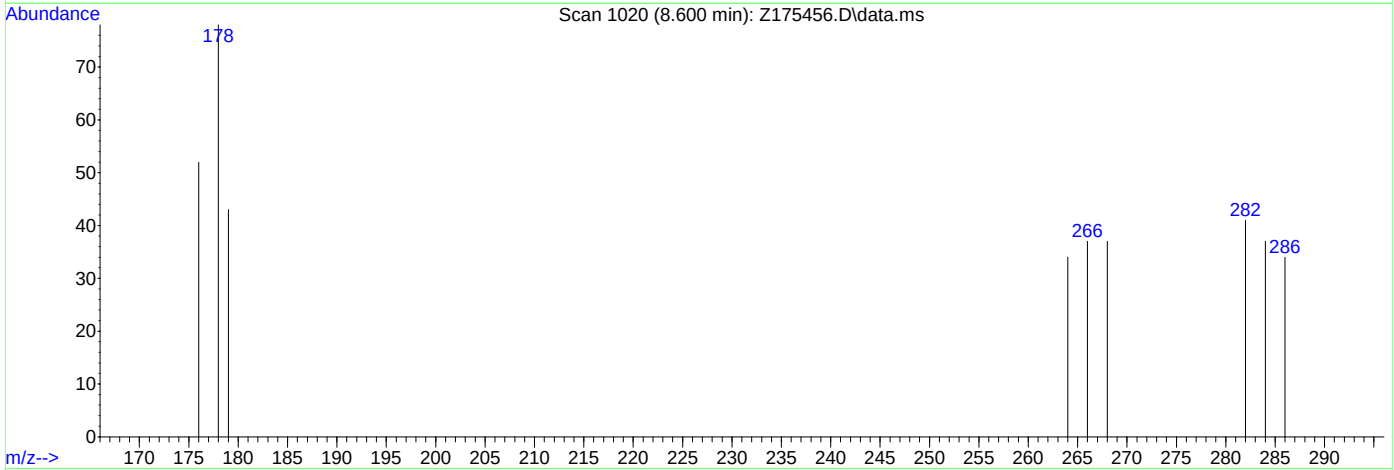
Ion	Exp%	Act%
166.00	100	100
165.00	95.80	108.33
167.00	13.50	33.33
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175456.D
Acq On : 10 Sep 2025 1:29 pm
Operator : rocquans
Sample : ic8654-0.02
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 16:35:34 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175456.D\data.ms

(23) Anthracene (t)

8.513min (+0.029) 15.31ppb

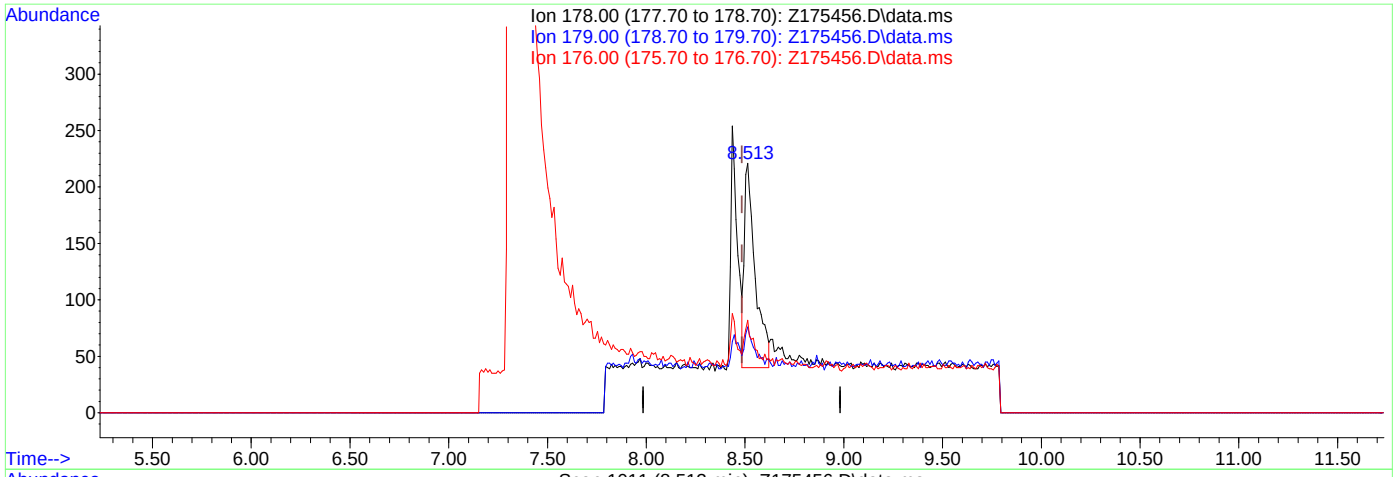
response 553

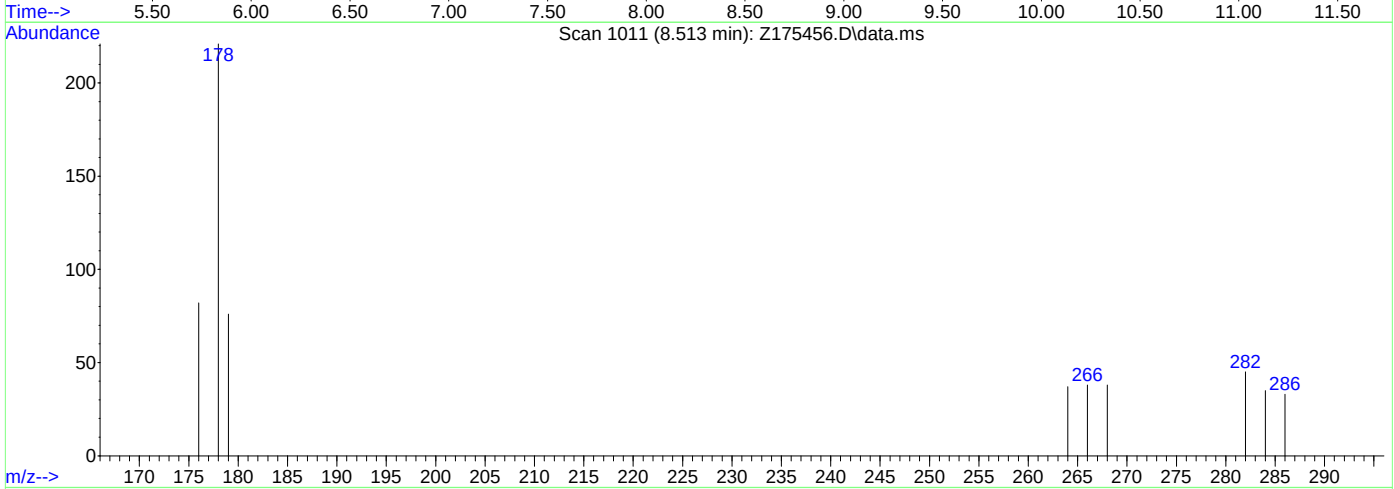
Ion	Exp%	Act%
178.00	100	100
179.00	14.80	20.97
176.00	18.70	22.98
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175456.D
Acq On : 10 Sep 2025 1:29 pm
Operator : rocquans
Sample : ic8654-0.02
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 16:35:34 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175456.D\data.ms

(23) Anthracene (t)

8.513min (+0.029) 19.26ppb m

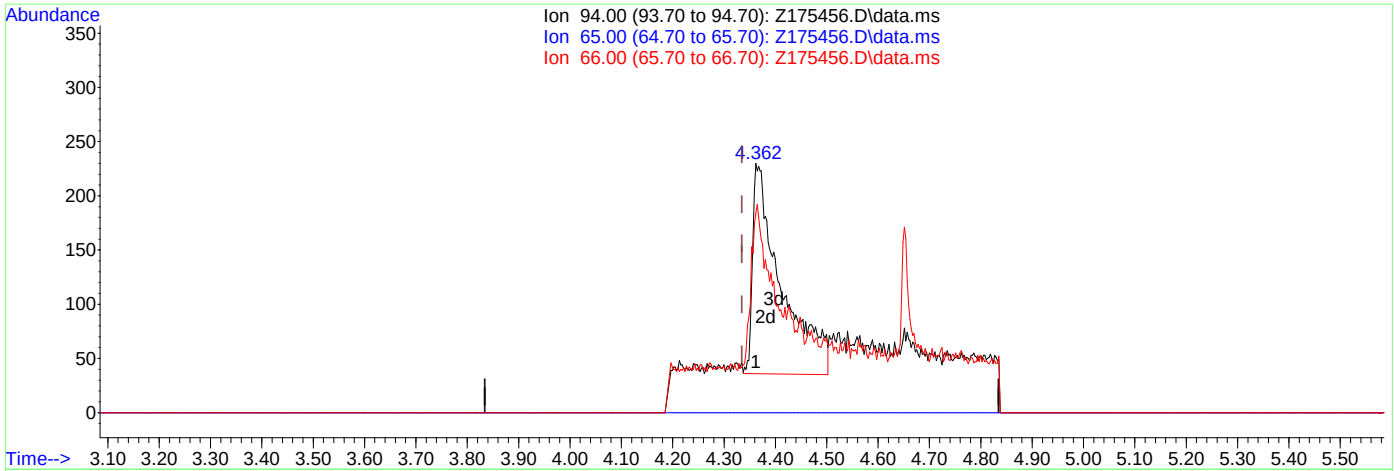
response 696

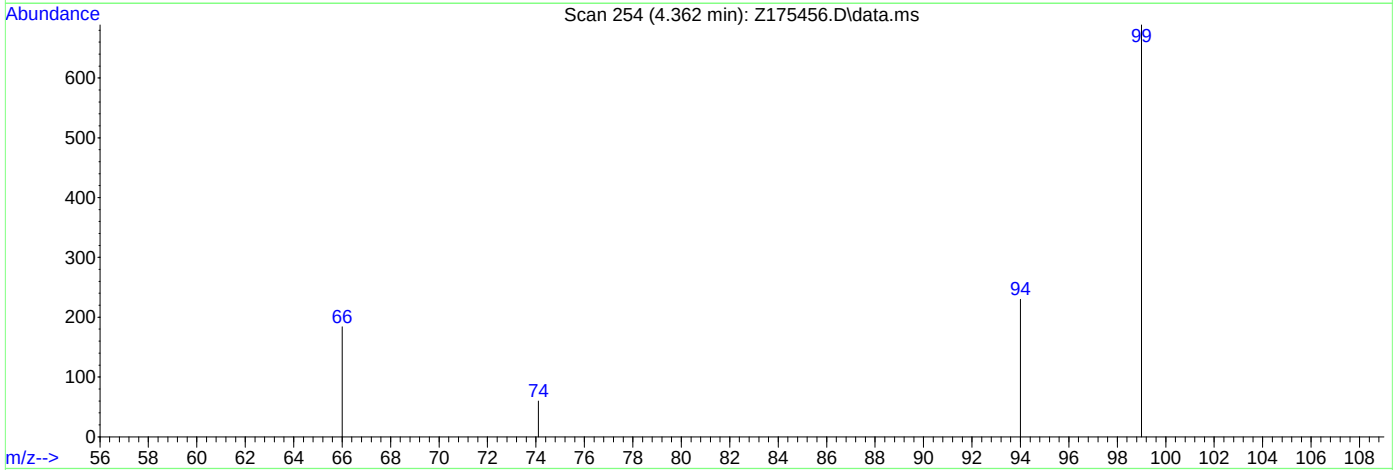
Ion	Exp%	Act%
178.00	100	100
179.00	14.80	34.39
176.00	18.70	37.10
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175456.D
Acq On : 10 Sep 2025 1:29 pm
Operator : rocquans
Sample : ic8654-0.02
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 16:38:38 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175456.D\data.ms

(5) Phenol

4.362min (+0.027) 88.94ppb m

response 754

Ion	Exp%	Act%
94.00	100	100
65.00	0.00	0.00
66.00	62.30	80.00#
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
09/15/25 15:51

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175457.D
Acq On : 10 Sep 2025 1:54 pm
Operator : rocquans
Sample : ic8654-0.04
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 11 11:56:16 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration

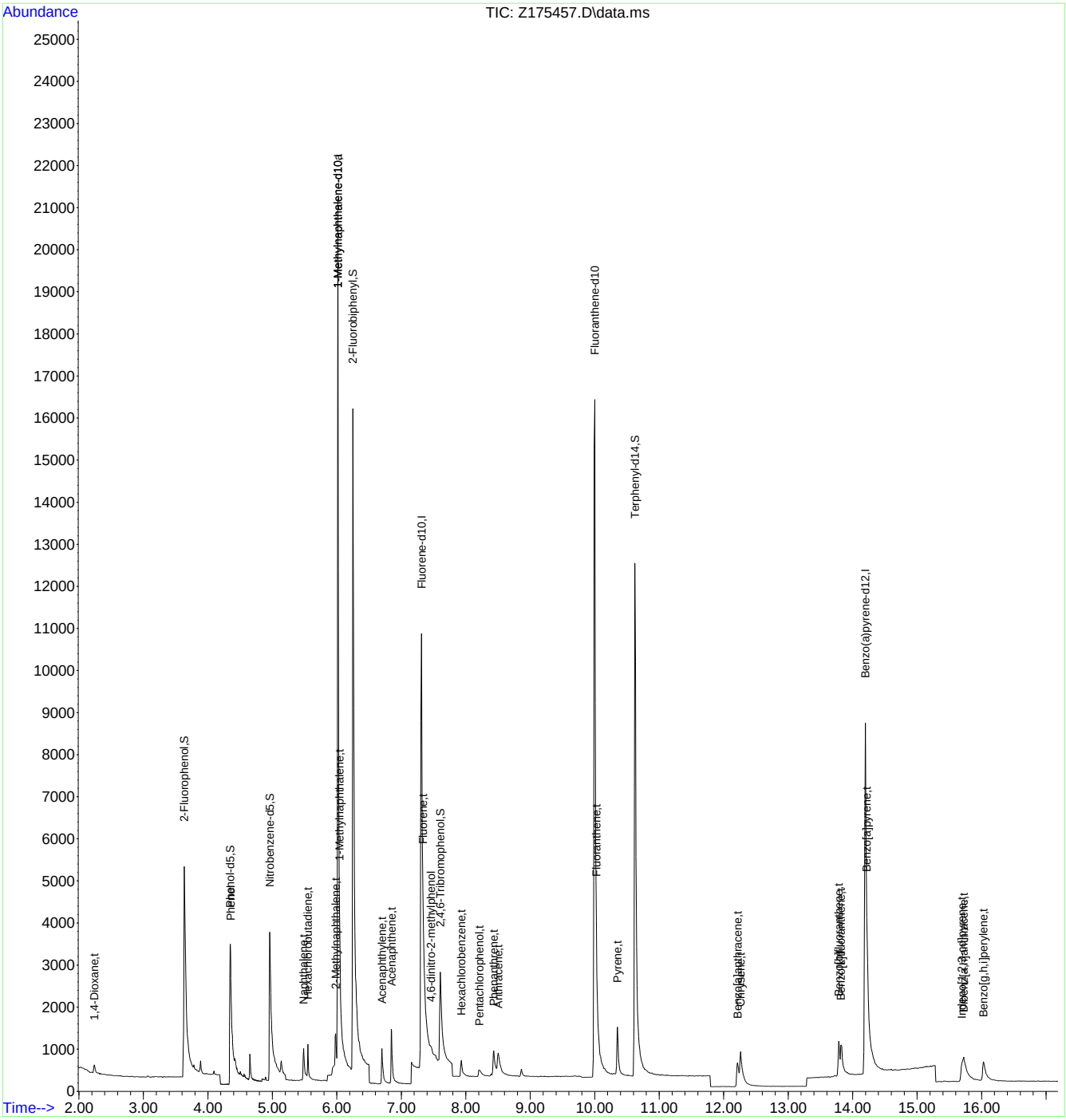
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	6.017	150	10297	800.00	ppb	0.00
12) Fluorene-d10	7.313	176	13513	800.00	ppb	0.01
19) Fluoranthene-d10	10.000	212	23479	800.00	ppb	0.00
29) Benzo(a)pyrene-d12	14.197	264	16762	800.00	ppb	0.00
36) 1-Methylnaphthalene-d10a	6.017	150	10649m	800.00	ppb	-0.07
System Monitoring Compounds						
3) 2-Fluorophenol	3.633	112	6047	772.92	ppb	0.01
Spiked Amount 10000.000			Recovery =	7.73%		
4) Phenol-d5	4.343	99	6981m	815.92	ppb	0.02
Spiked Amount 10000.000			Recovery =	8.16%		
6) Nitrobenzene-d5	4.957	82	7025m	739.41	ppb	0.02
Spiked Amount 10000.000			Recovery =	7.39%		
13) 2-Fluorobiphenyl	6.250	172	16805	840.11	ppb	0.00
Spiked Amount 10000.000			Recovery =	8.40%		
18) 2,4,6-Tribromophenol	7.606	330	2451	686.66	ppb	0.02
Spiked Amount 10000.000			Recovery =	6.87%		
26) Terphenyl-d14	10.624	244	17343	829.64	ppb	0.00
Spiked Amount 10000.000			Recovery =	8.30%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.241	88	168m	40.27	ppb	
5) Phenol	4.354	94	1807m	208.32	ppb	
7) Naphthalene	5.484	128	1232m	41.86	ppb	
8) Hexachlorobutadiene	5.550	225	287	36.75	ppb	90
9) 2-Methylnaphthalene	5.982	141	597	32.69	ppb	91
10) 1-Methylnaphthalene	6.041	141	644	34.47	ppb	91
14) Acenaphthylene	6.700	152	1008	34.86	ppb	99
15) Acenaphthene	6.849	153	747	36.73	ppb	95
16) Fluorene	7.334	166	797m	34.01	ppb	
17) 4,6-dinitro-2-methylph...	7.459	198	158m	88.88	ppb	
20) Hexachlorobenzene	7.930	284	291	34.38	ppb	96
21) Pentachlorophenol	8.212	266	255	91.07	ppb	85
22) Phenanthrene	8.435	178	1021	34.37	ppb	98
23) Anthracene	8.503	178	1402	38.02	ppb	95
24) Fluoranthene	10.025	202	1418	40.10	ppb	96
25) Pyrene	10.353	202	1505	40.43	ppb	98
27) Benzo[a]anthracene	12.215	228	835	35.39	ppb	99
28) Chrysene	12.261	228	1613	39.81	ppb	99
30) Benzo[b]fluoranthene	13.783	252	1017	43.82	ppb	94
31) Benzo[k]fluoranthene	13.818	252	1277	34.87	ppb	96
32) Benzo[a]pyrene	14.220	252	1169	41.75	ppb	99
33) Indeno[1,2,3-cd]pyrene	15.694	276	1354	42.74	ppb	97
34) Dibenz[a,h]anthracene	15.723	278	1087	41.43	ppb	95
35) Benzo[g,h,i]perylene	16.030	276	1079	39.05	ppb	100

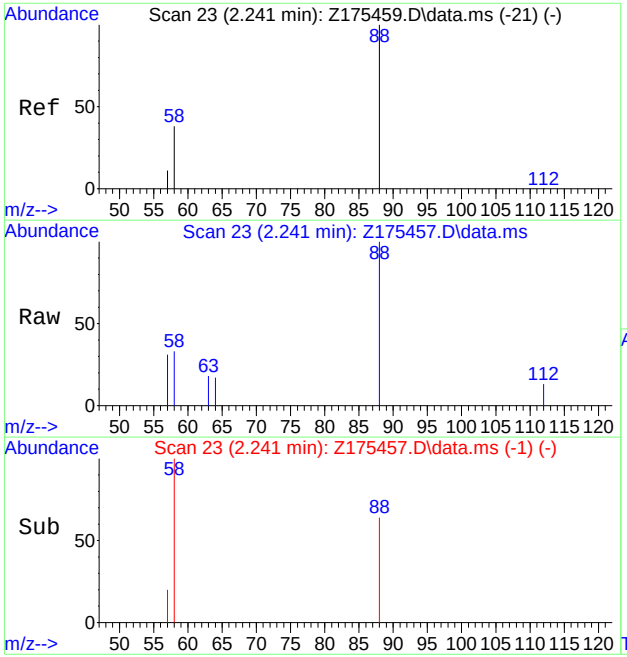
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175457.D
Acq On : 10 Sep 2025 1:54 pm
Operator : rocquans
Sample : ic8654-0.04
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 11 11:56:16 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration

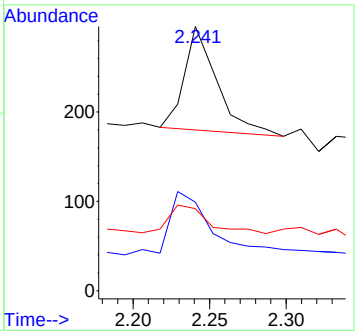


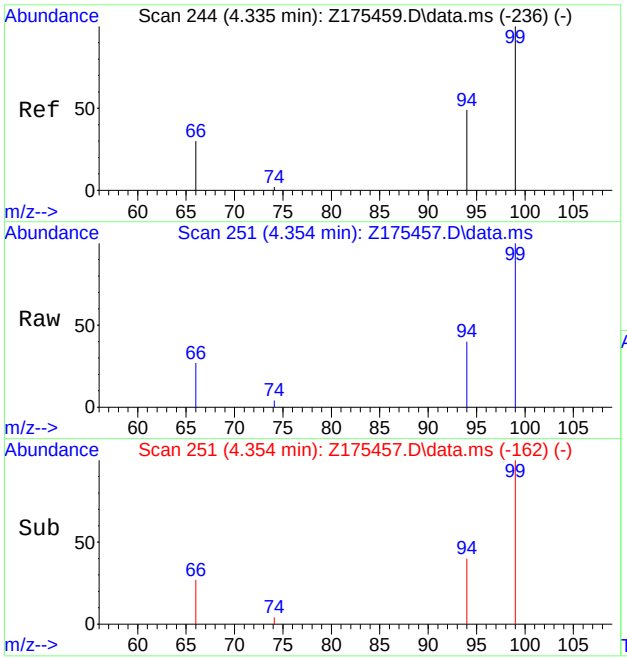


#2
1,4-Dioxane
Concen: 40.27 ppb m
RT: 2.241 min Scan# 23
Delta R.T. 0.000 min
Lab File: Z175457.D
Acq: 10 Sep 2025 1:54 pm

Tgt Ion: 88 Resp: 168

Ion	Ratio	Lower	Upper
88	100		
58	33.4	15.6	55.6
57	31.1	0.0	40.0

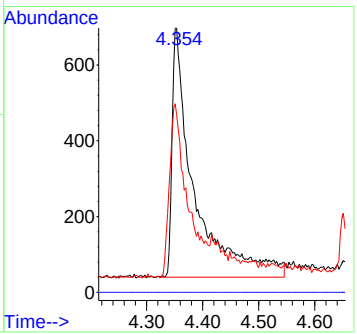


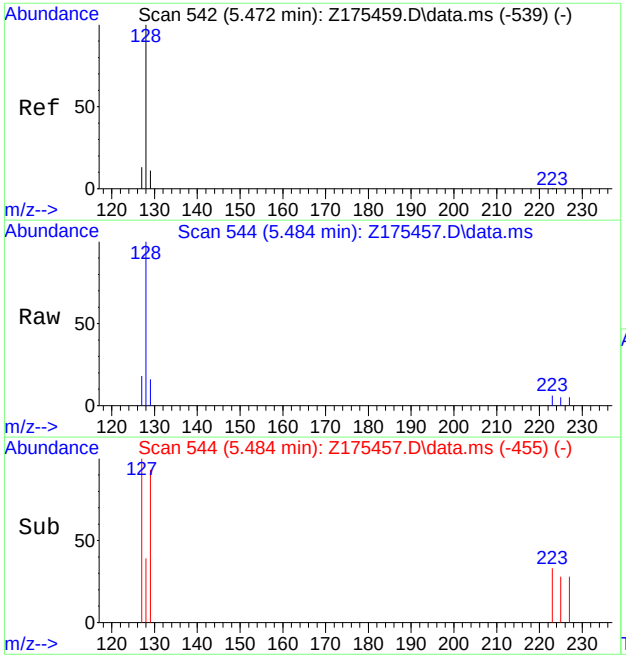


#5
Phenol
Concen: 208.32 ppb m
RT: 4.354 min Scan# 251
Delta R.T. 0.019 min
Lab File: Z175457.D
Acq: 10 Sep 2025 1:54 pm

Tgt Ion: 94 Resp: 1807

Ion	Ratio	Lower	Upper
94	100		
65	0.0	0.0	0.0
66	67.2	49.8	74.8

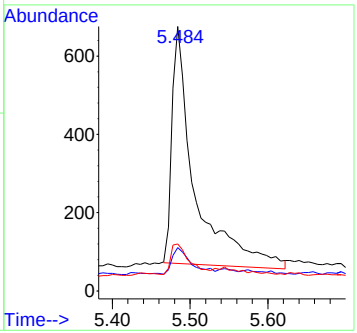


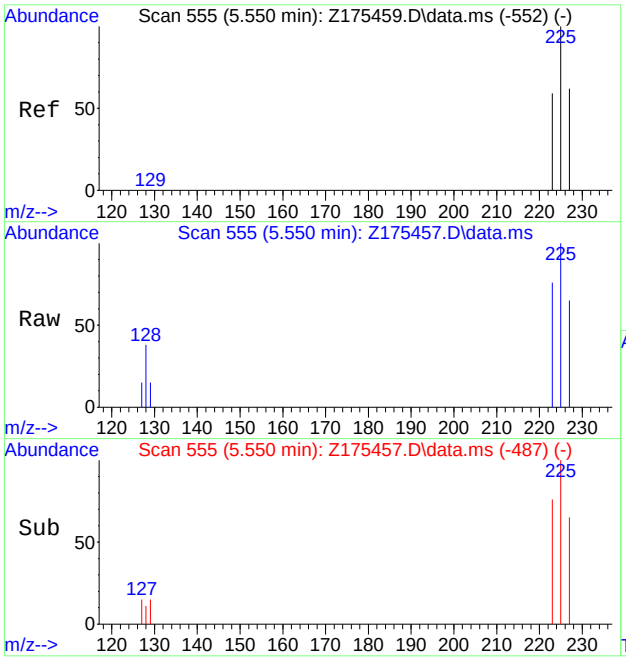


#7
Naphthalene
Concen: 41.86 ppb m
RT: 5.484 min Scan# 544
Delta R.T. 0.012 min
Lab File: Z175457.D
Acq: 10 Sep 2025 1:54 pm

Tgt Ion:128 Resp: 1232

Ion	Ratio	Lower	Upper
128	100		
129	16.4	0.0	40.6
127	17.8	0.0	43.3

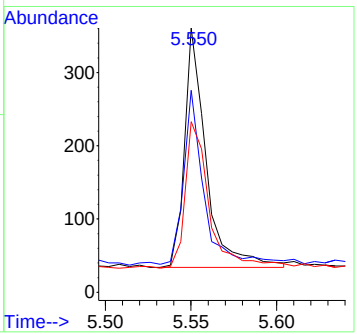


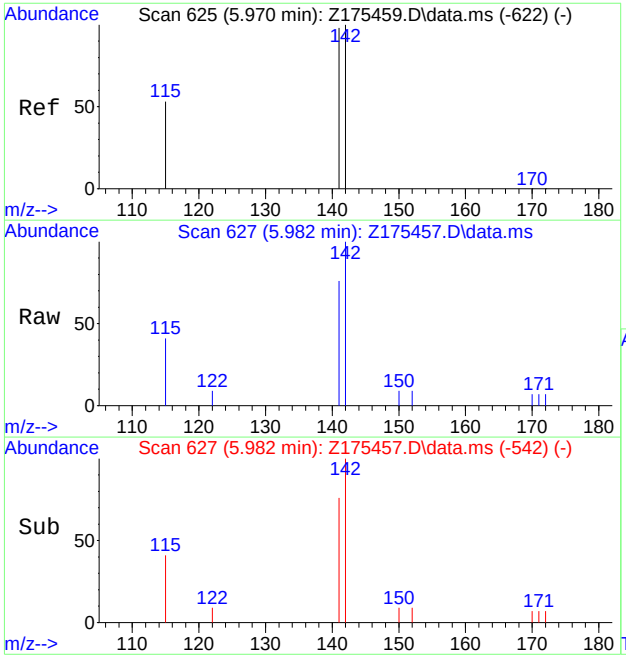


#8
Hexachlorobutadiene
Concen: 36.75 ppb
RT: 5.550 min Scan# 555
Delta R.T. 0.000 min
Lab File: Z175457.D
Acq: 10 Sep 2025 1:54 pm

Tgt Ion:225 Resp: 287

Ion	Ratio	Lower	Upper
225	100		
223	72.7	29.0	89.0
227	60.8	32.1	92.1

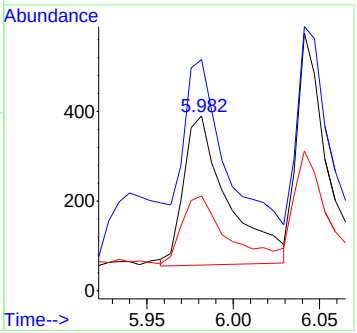


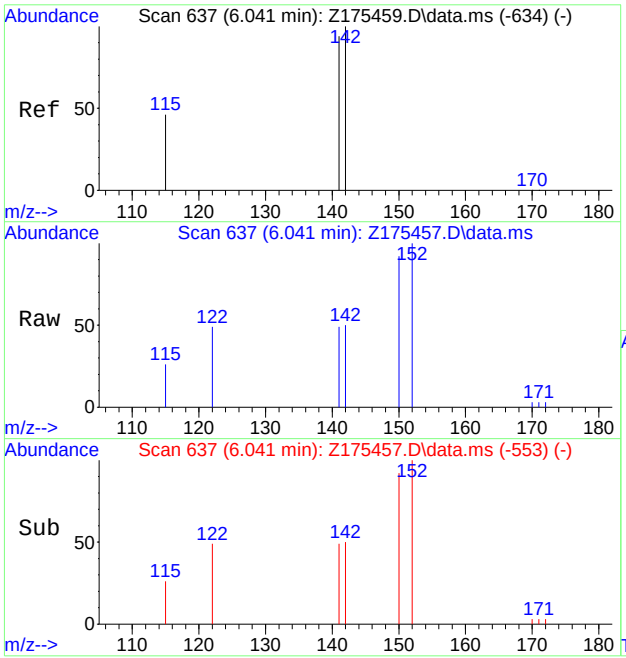


#9
2-Methylnaphthalene
Concen: 32.69 ppb
RT: 5.982 min Scan# 627
Delta R.T. 0.012 min
Lab File: Z175457.D
Acq: 10 Sep 2025 1:54 pm

Tgt Ion:141 Resp: 597

Ion	Ratio	Lower	Upper
141	100		
142	113.5	77.1	137.1
115	44.0	24.3	84.3

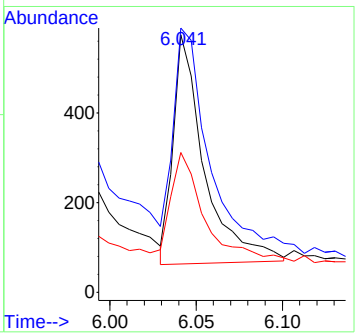


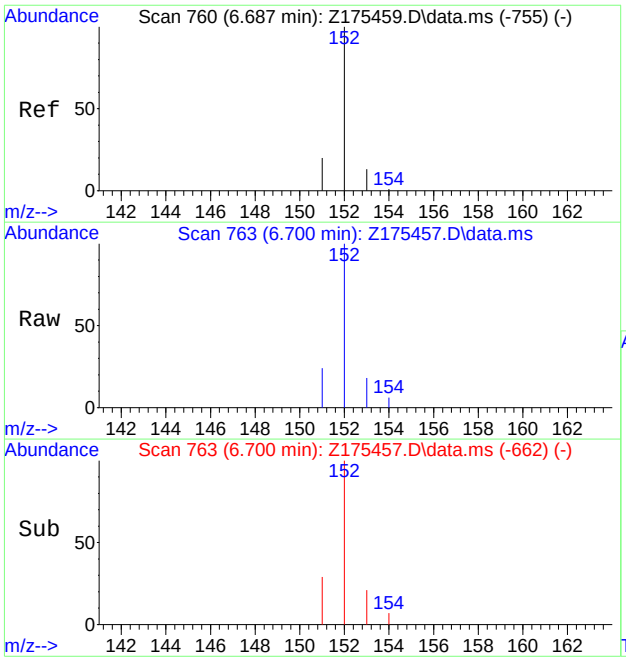


#10
1-Methylnaphthalene
Concen: 34.47 ppb
RT: 6.041 min Scan# 637
Delta R.T. 0.000 min
Lab File: Z175457.D
Acq: 10 Sep 2025 1:54 pm

Tgt Ion:141 Resp: 644

Ion	Ratio	Lower	Upper
141	100		
142	95.4	77.6	137.6
115	46.6	19.1	79.1

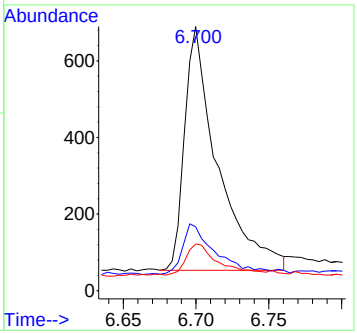


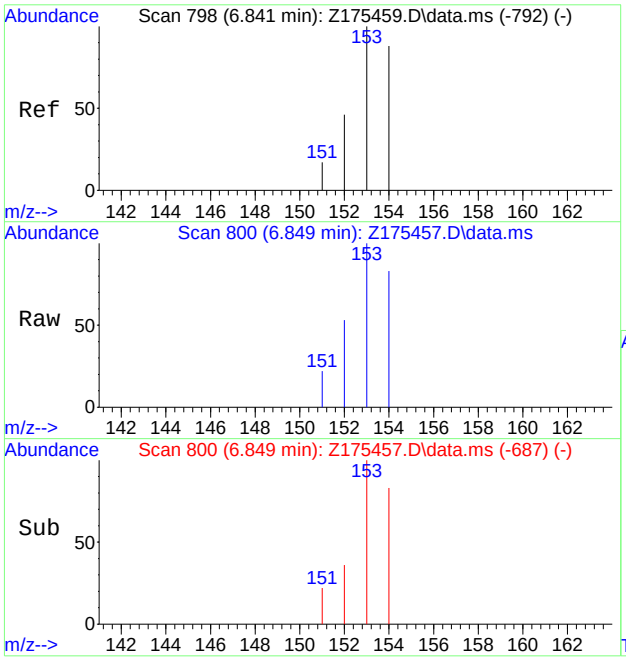


#14
Acenaphthylene
Concen: 34.86 ppb
RT: 6.700 min Scan# 763
Delta R.T. 0.012 min
Lab File: Z175457.D
Acq: 10 Sep 2025 1:54 pm

Tgt Ion:152 Resp: 1008

Ion	Ratio	Lower	Upper
152	100		
151	19.2	0.0	50.1
153	12.7	0.0	42.6

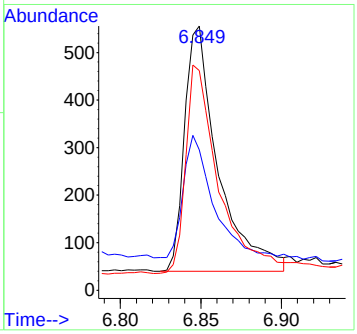


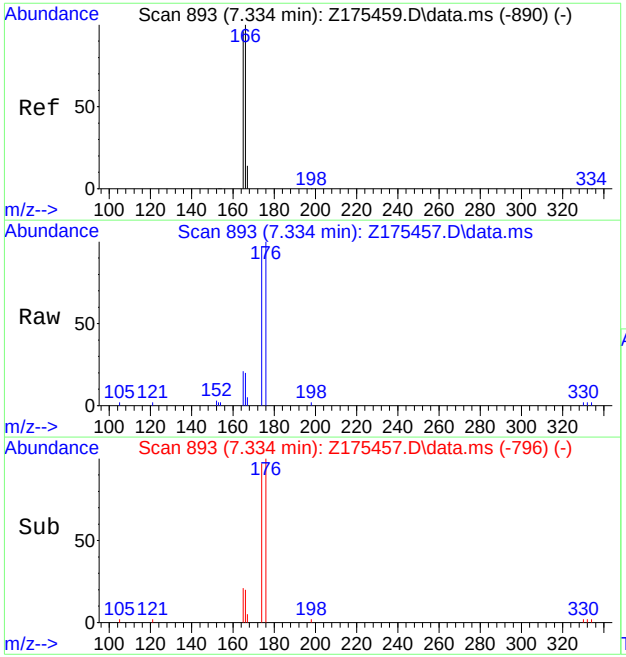


#15
Acenaphthene
Concen: 36.73 ppb
RT: 6.849 min Scan# 800
Delta R.T. 0.008 min
Lab File: Z175457.D
Acq: 10 Sep 2025 1:54 pm

Tgt Ion:153 Resp: 747

Ion	Ratio	Lower	Upper
153	100		
152	44.4	16.6	76.6
154	82.8	57.9	117.9

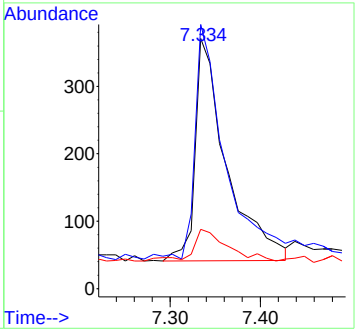


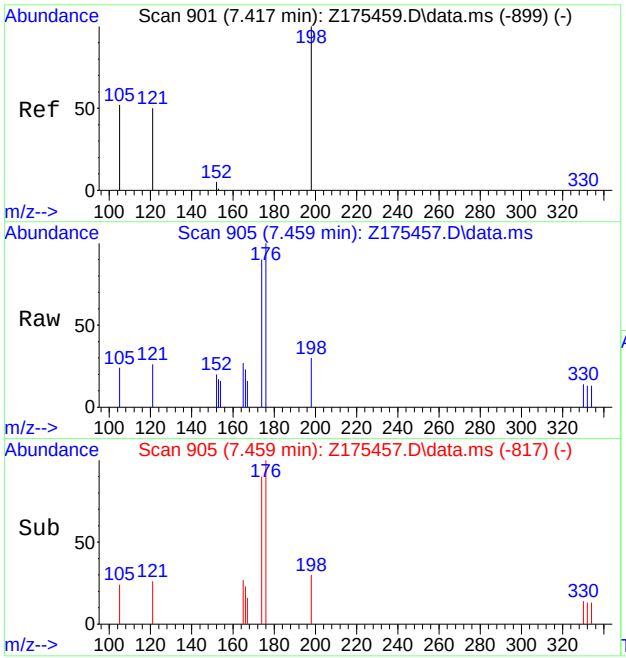


#16
Fluorene
Concen: 34.01 ppb m
RT: 7.334 min Scan# 893
Delta R.T. 0.000 min
Lab File: Z175457.D
Acq: 10 Sep 2025 1:54 pm

Tgt Ion:166 Resp: 797

Ion	Ratio	Lower	Upper
166	100		
165	105.7	65.8	125.8
167	23.7	0.0	43.5

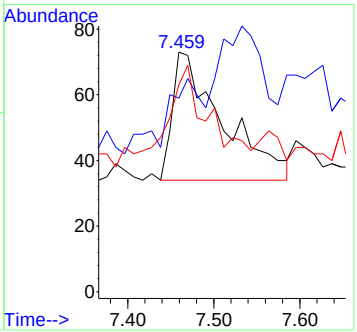


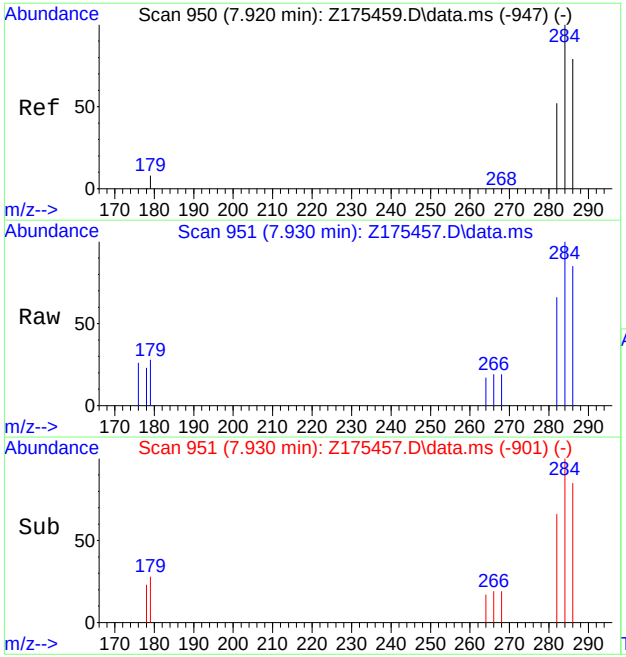


#17
4,6-dinitro-2-methylphenol
Concen: 88.88 ppb m
RT: 7.459 min Scan# 905
Delta R.T. 0.042 min
Lab File: Z175457.D
Acq: 10 Sep 2025 1:54 pm

Tgt Ion:198 Resp: 158

Ion	Ratio	Lower	Upper
198	100		
105	80.8	25.6	65.6#
121	86.3	29.8	69.8#

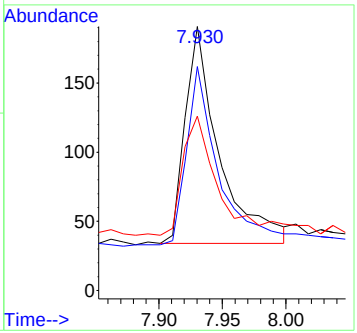


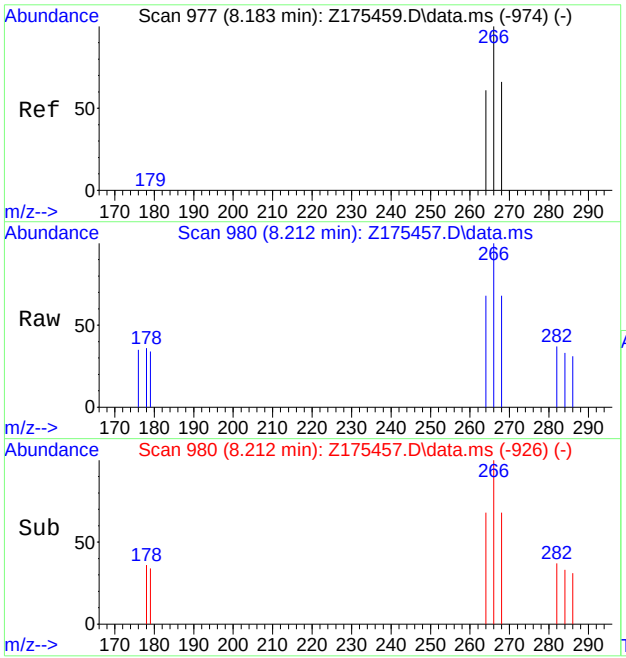


#20
Hexachlorobenzene
Concen: 34.38 ppb
RT: 7.930 min Scan# 951
Delta R.T. 0.010 min
Lab File: Z175457.D
Acq: 10 Sep 2025 1:54 pm

Tgt Ion:284 Resp: 291

Ion	Ratio	Lower	Upper
284	100		
286	82.8	48.9	108.9
282	54.3	22.1	82.1

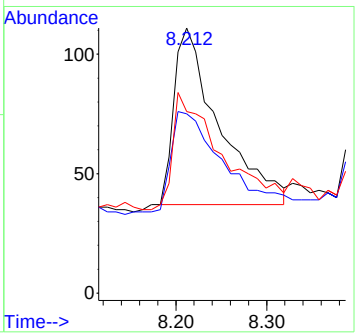


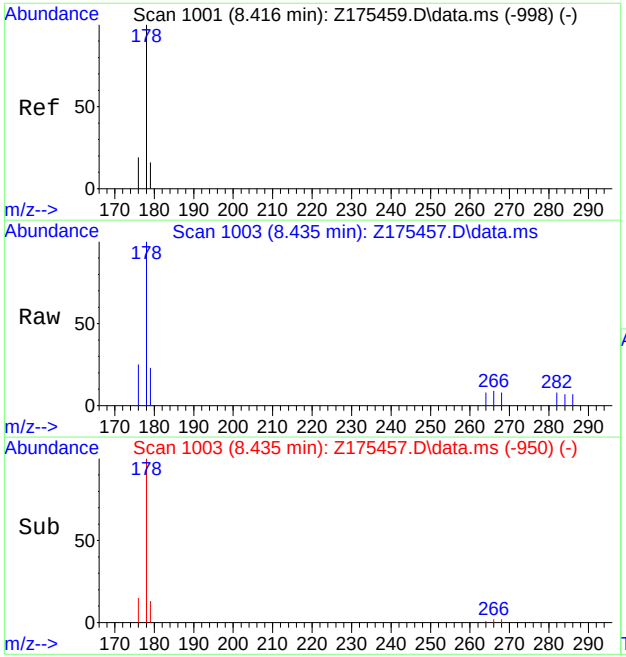


#21
Pentachlorophenol
Concen: 91.07 ppb
RT: 8.212 min Scan# 980
Delta R.T. 0.029 min
Lab File: Z175457.D
Acq: 10 Sep 2025 1:54 pm

Tgt Ion:266 Resp: 255

Ion	Ratio	Lower	Upper
266	100		
264	52.5	30.8	90.8
268	51.8	36.3	96.3

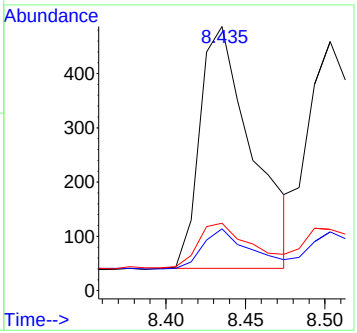


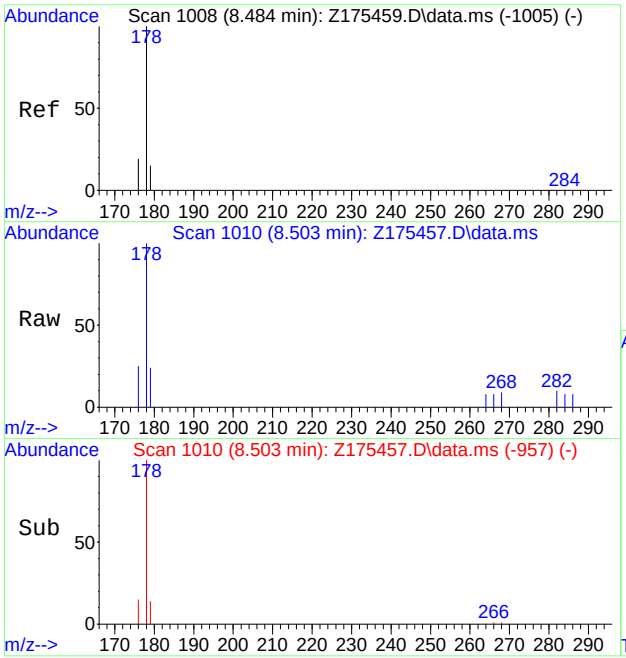


#22
Phenanthrene
Concen: 34.37 ppb
RT: 8.435 min Scan# 1003
Delta R.T. 0.020 min
Lab File: Z175457.D
Acq: 10 Sep 2025 1:54 pm

Tgt Ion:178 Resp: 1021

Ion	Ratio	Lower	Upper
178	100		
179	17.3	0.0	45.6
176	18.4	0.0	48.6

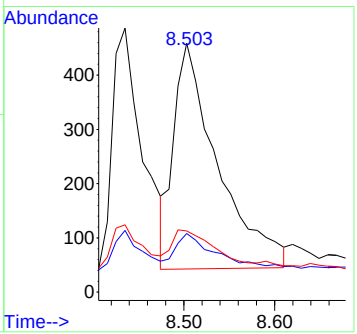


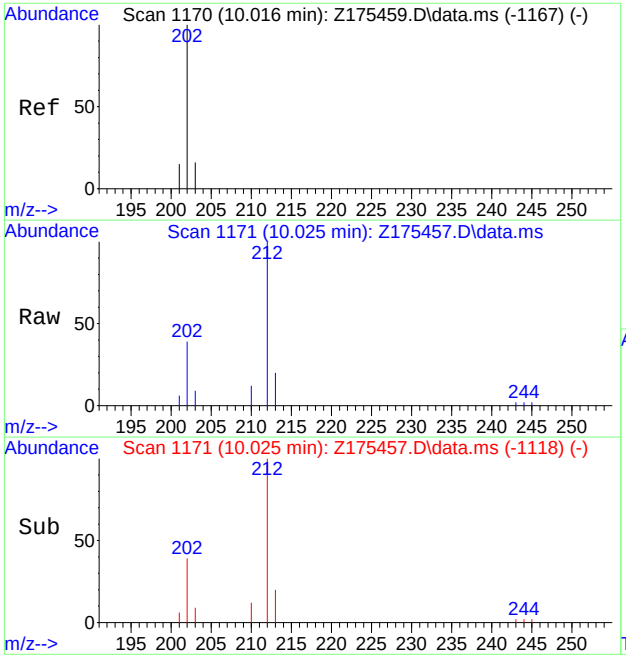


#23
Anthracene
Concen: 38.02 ppb
RT: 8.503 min Scan# 1010
Delta R.T. 0.020 min
Lab File: Z175457.D
Acq: 10 Sep 2025 1:54 pm

Tgt Ion:178 Resp: 1402

Ion	Ratio	Lower	Upper
178	100		
179	17.0	0.0	44.8
176	16.7	0.0	48.7

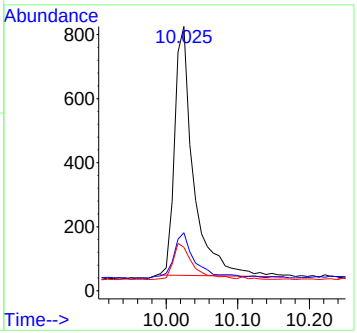


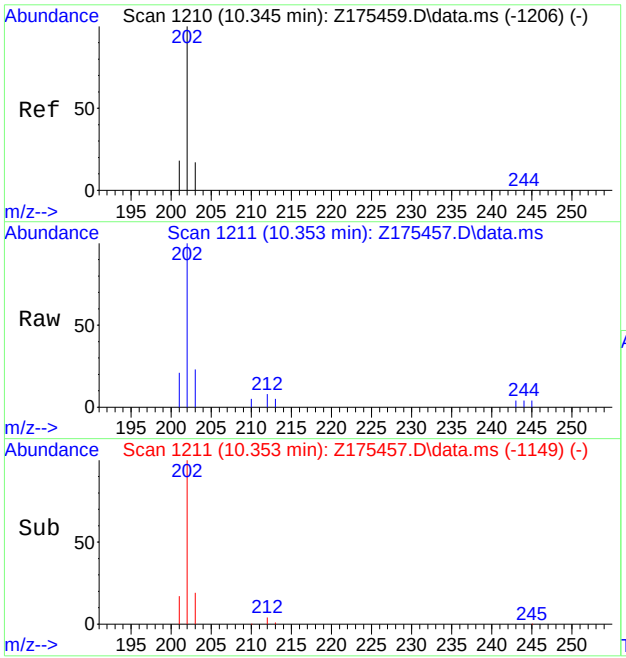


#24
Fluoranthene
Concen: 40.10 ppb
RT: 10.025 min Scan# 1171
Delta R.T. 0.008 min
Lab File: Z175457.D
Acq: 10 Sep 2025 1:54 pm

Tgt Ion:202 Resp: 1418

Ion	Ratio	Lower	Upper
202	100		
203	17.6	0.0	46.4
201	12.7	0.0	45.1

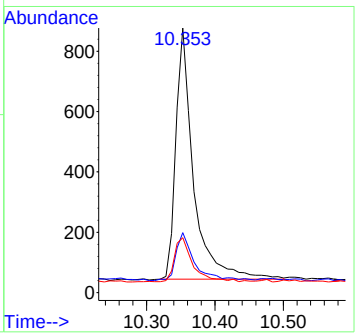


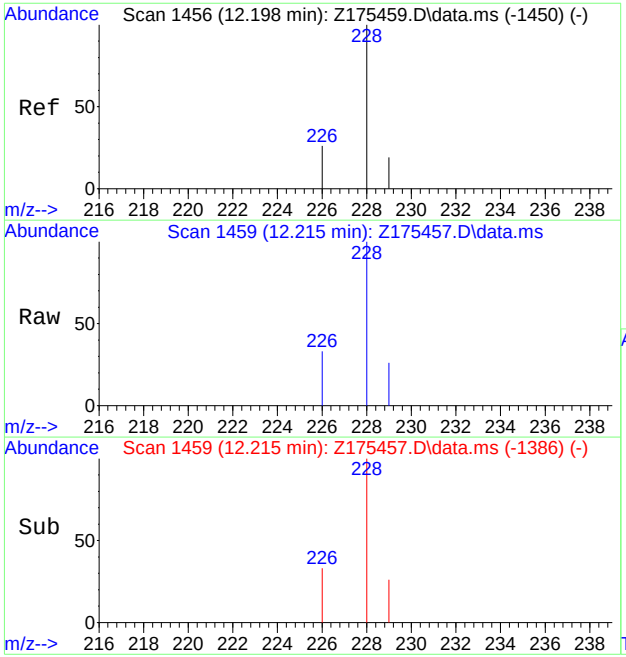


#25
Pyrene
Concen: 40.43 ppb
RT: 10.353 min Scan# 1211
Delta R.T. 0.008 min
Lab File: Z175457.D
Acq: 10 Sep 2025 1:54 pm

Tgt Ion:202 Resp: 1505

Ion	Ratio	Lower	Upper
202	100		
203	18.7	0.0	47.4
201	17.2	0.0	47.8

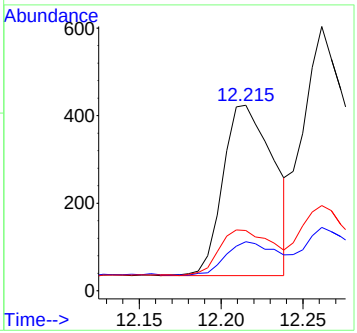


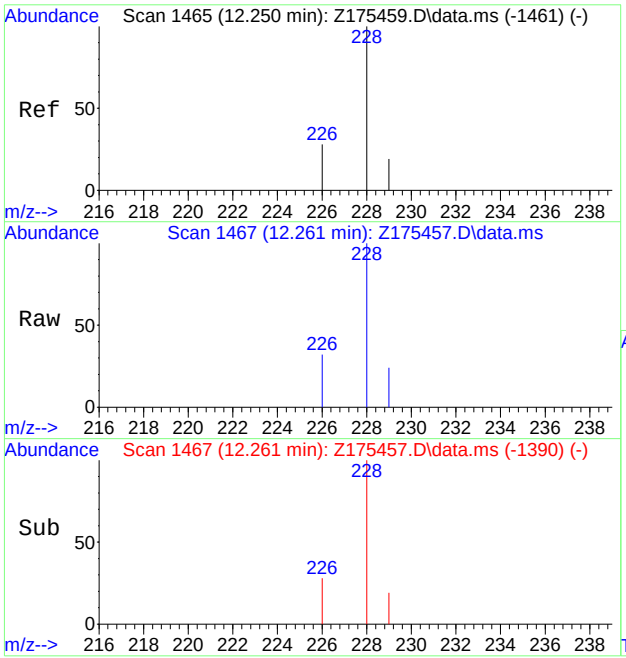


#27
Benzo[a]anthracene
Concen: 35.39 ppb
RT: 12.215 min Scan# 1459
Delta R.T. 0.018 min
Lab File: Z175457.D
Acq: 10 Sep 2025 1:54 pm

Tgt Ion:228 Resp: 835

Ion	Ratio	Lower	Upper
228	100		
229	18.9	0.0	49.3
226	26.3	0.0	55.6

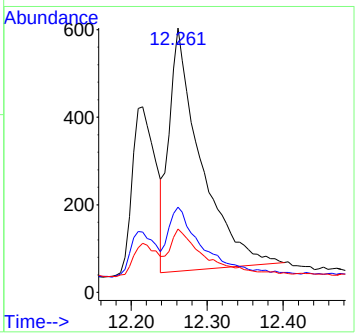


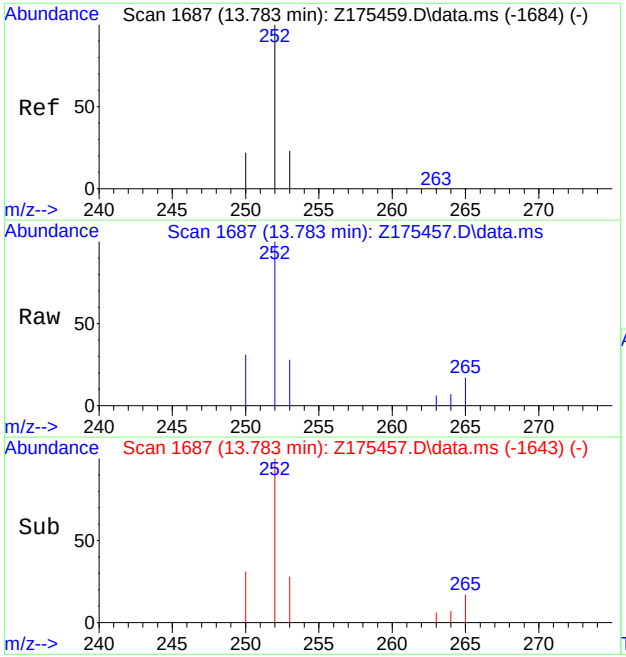


#28
Chrysene
Concen: 39.81 ppb
RT: 12.261 min Scan# 1467
Delta R.T. 0.012 min
Lab File: Z175457.D
Acq: 10 Sep 2025 1:54 pm

Tgt Ion:228 Resp: 1613

Ion	Ratio	Lower	Upper
228	100		
226	28.5	0.0	58.4
229	18.5	0.0	49.1

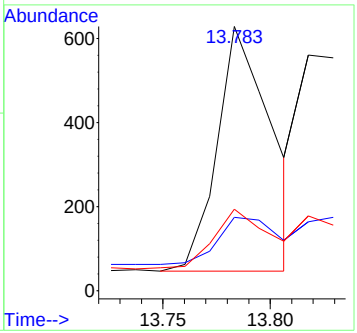


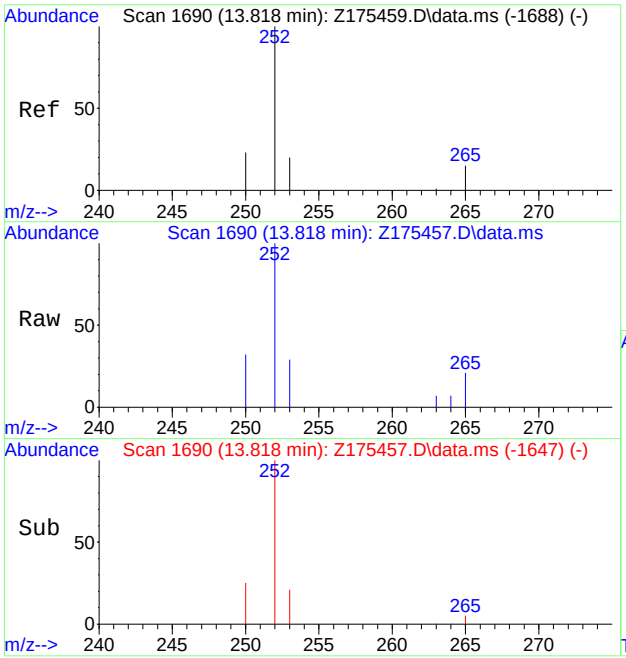


#30
Benzo[b]fluoranthene
Concen: 43.82 ppb
RT: 13.783 min Scan# 1687
Delta R.T. 0.000 min
Lab File: Z175457.D
Acq: 10 Sep 2025 1:54 pm

Tgt Ion:252 Resp: 1017

Ion	Ratio	Lower	Upper
252	100		
253	18.7	0.0	52.6
250	24.0	0.0	51.9

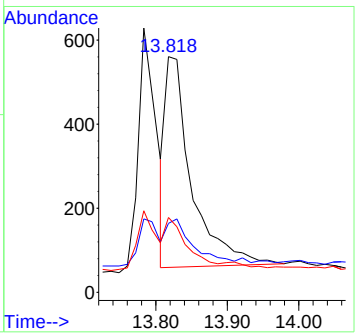


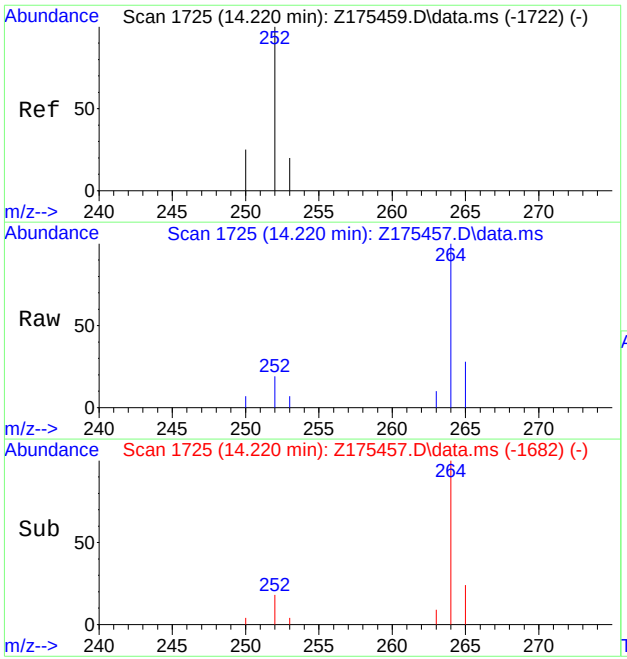


#31
Benzo[k]fluoranthene
Concen: 34.87 ppb
RT: 13.818 min Scan# 1690
Delta R.T. 0.000 min
Lab File: Z175457.D
Acq: 10 Sep 2025 1:54 pm

Tgt Ion:252 Resp: 1277

Ion	Ratio	Lower	Upper
252	100		
253	18.3	0.0	51.0
250	24.2	0.0	53.1

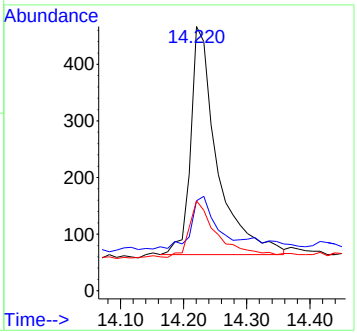


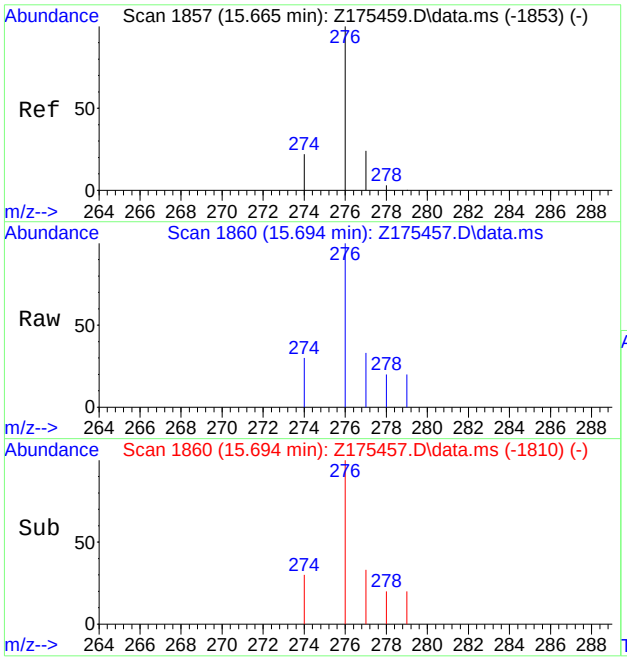


#32
Benzo[a]pyrene
Concen: 41.75 ppb
RT: 14.220 min Scan# 1725
Delta R.T. 0.000 min
Lab File: Z175457.D
Acq: 10 Sep 2025 1:54 pm

Tgt Ion:252 Resp: 1169

Ion	Ratio	Lower	Upper
252	100		
253	19.7	0.0	50.2
250	24.1	0.0	54.3

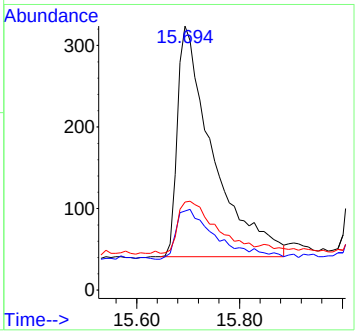


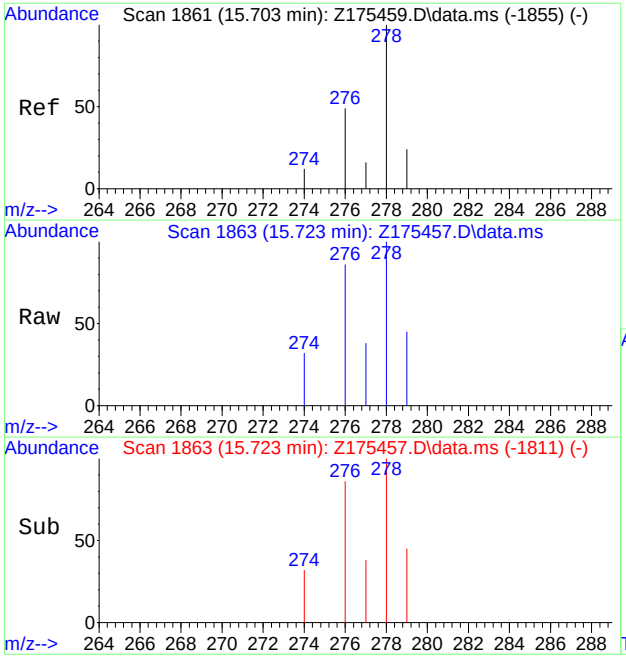


#33
Indeno[1,2,3-cd]pyrene
Concen: 42.74 ppb
RT: 15.694 min Scan# 1860
Delta R.T. 0.029 min
Lab File: Z175457.D
Acq: 10 Sep 2025 1:54 pm

Tgt Ion:276 Resp: 1354

Ion	Ratio	Lower	Upper
276	100		
274	20.8	0.0	51.7
277	21.7	0.0	53.6

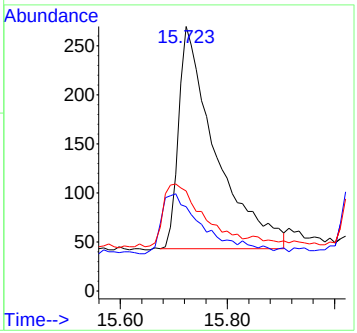


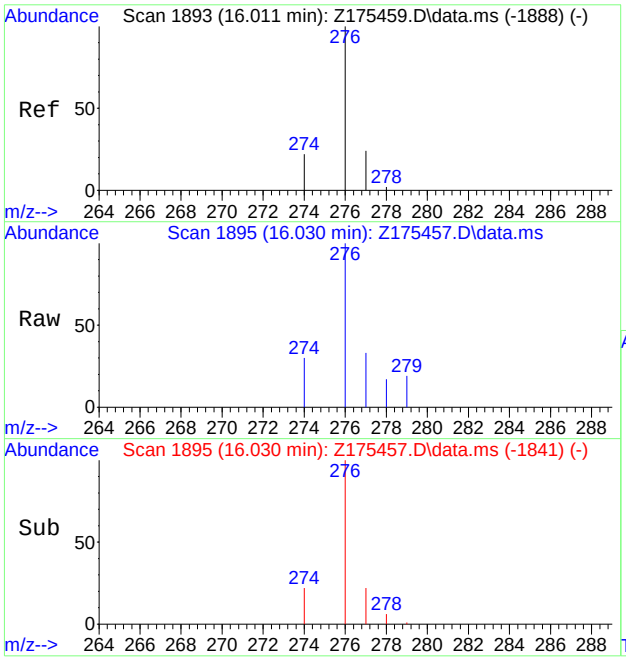


#34
Dibenz[a,h]anthracene
Concen: 41.43 ppb
RT: 15.723 min Scan# 1863
Delta R.T. 0.019 min
Lab File: Z175457.D
Acq: 10 Sep 2025 1:54 pm

Tgt Ion:278 Resp: 1087

Ion	Ratio	Lower	Upper
278	100		
274	13.5	0.0	44.0
277	20.1	0.0	46.5

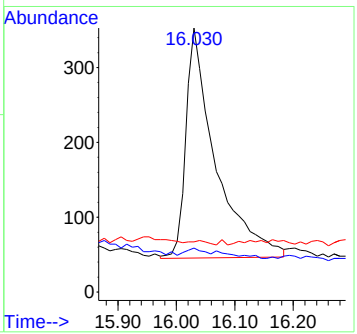




#35
Benzo[g,h,i]perylene
Concen: 39.05 ppb
RT: 16.030 min Scan# 1895
Delta R.T. 0.019 min
Lab File: Z175457.D
Acq: 10 Sep 2025 1:54 pm

Tgt Ion:276 Resp: 1079

Ion	Ratio	Lower	Upper
276	100		
278	2.7	0.0	32.8
279	0.0	0.0	30.0



Manual Integration Approval Summary

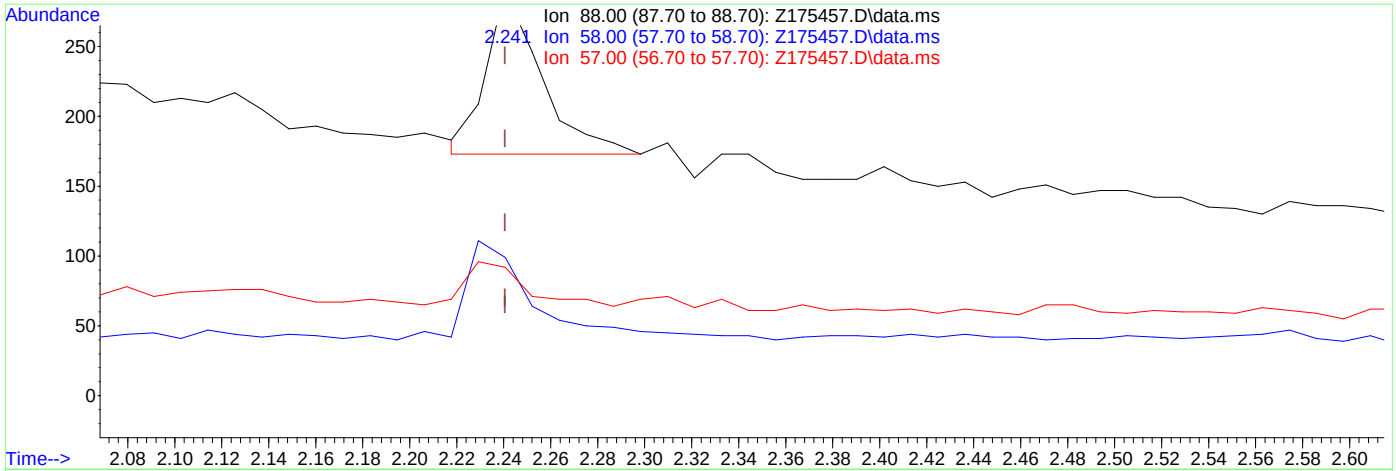
Sample Number: EZ8654-IC8654
Lab FileID: Z175457.D
Injection Time: 09/10/25 13:54
Method: SW846 8270E BY SIM
Analyst approved: 09/11/25 12:07 Ying Li
Supervisor approved: 09/15/25 15:51 Nina Pandya

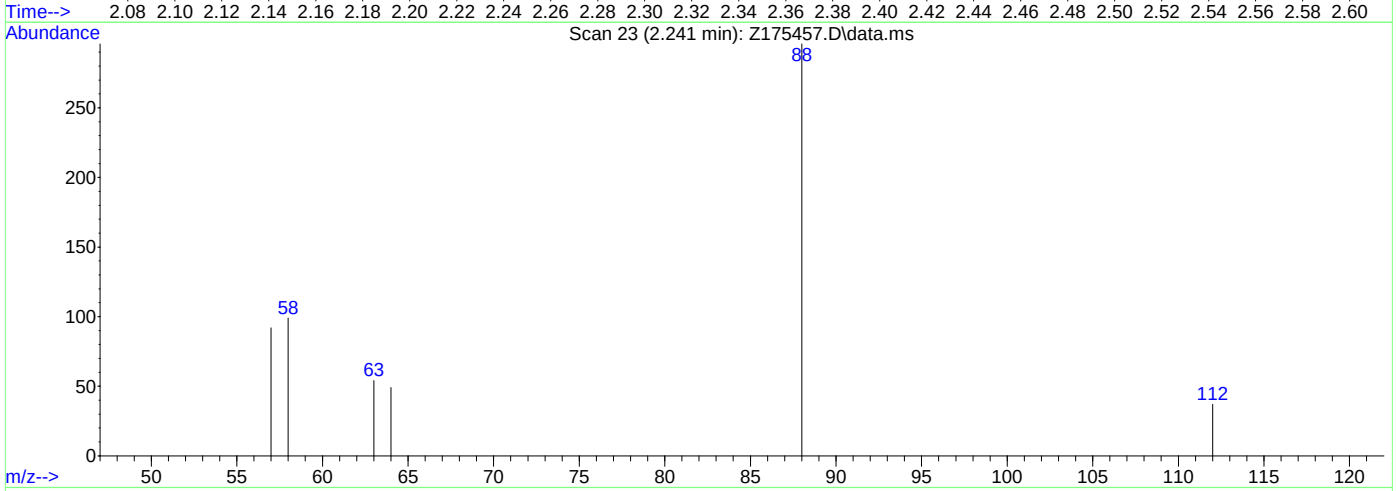
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,4-Dioxane	123-91-1		2.24	Poor instrument integration
Phenol-d5	4165-62-2		4.34	Poor instrument integration
Phenol	108-95-2		4.35	Poor instrument integration
Nitrobenzene-d5	4165-60-0		4.96	Poor instrument integration
Naphthalene	91-20-3		5.48	Poor instrument integration
Fluorene	86-73-7		7.33	Poor instrument integration
4,6-Dinitro-o-cresol	534-52-1		7.46	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175457.D
Acq On : 10 Sep 2025 1:54 pm
Operator : rocquans
Sample : ic8654-0.04
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 10 16:32:46 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175457.D\data.ms

(2) 1,4-Dioxane (t)

2.241min (+0.000) 46.02ppb

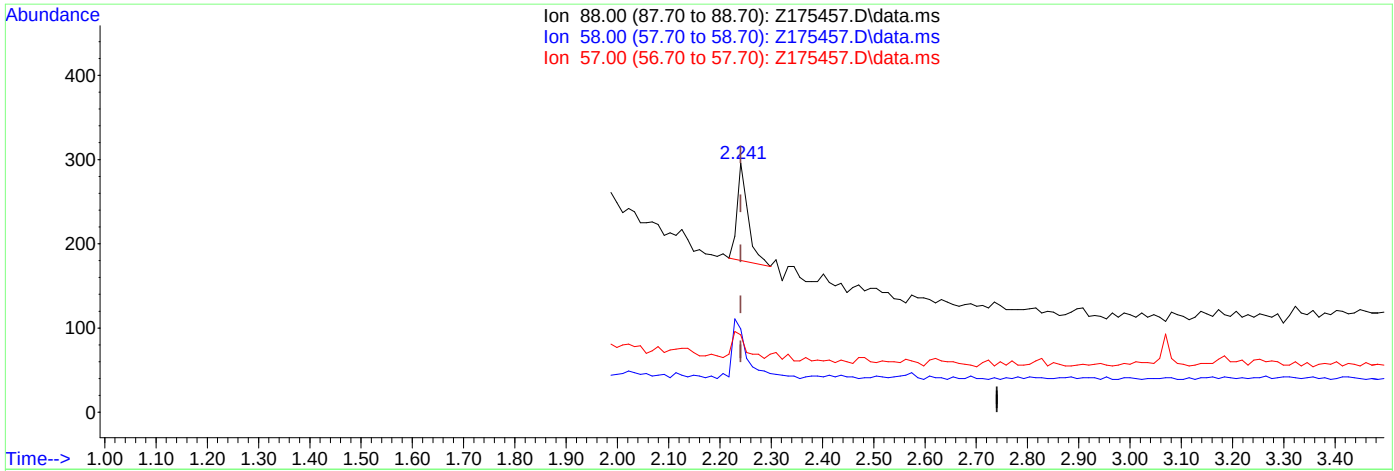
response 192

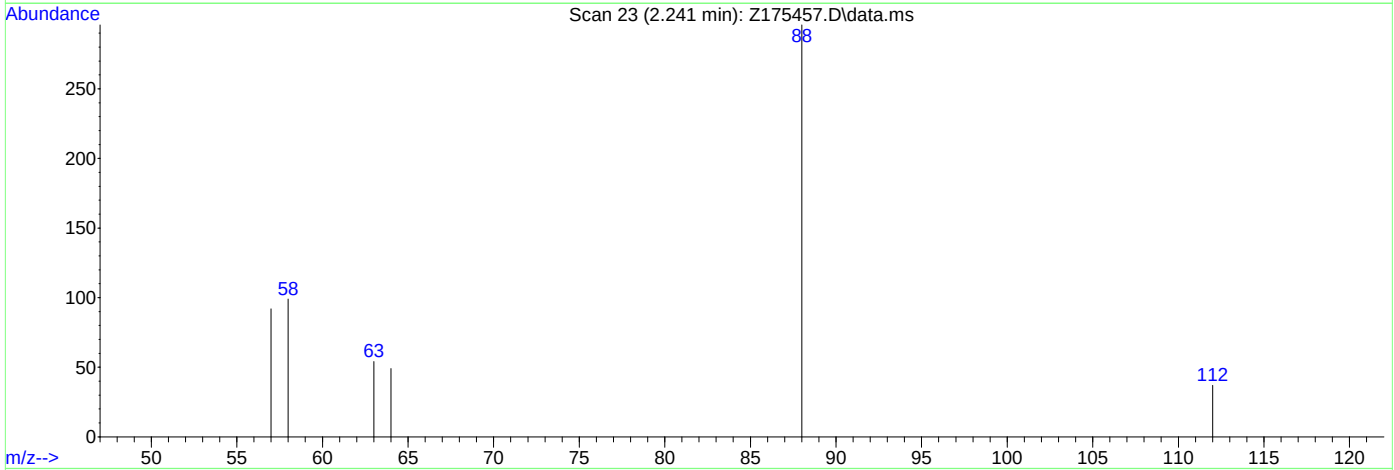
Ion	Exp%	Act%
88.00	100	100
58.00	35.60	46.61
57.00	20.00	19.49
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175457.D
Acq On : 10 Sep 2025 1:54 pm
Operator : rocquans
Sample : ic8654-0.04
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 10 16:32:46 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175457.D\data.ms

(2) 1,4-Dioxane (t)

2.241min (+0.000) 40.27ppb m

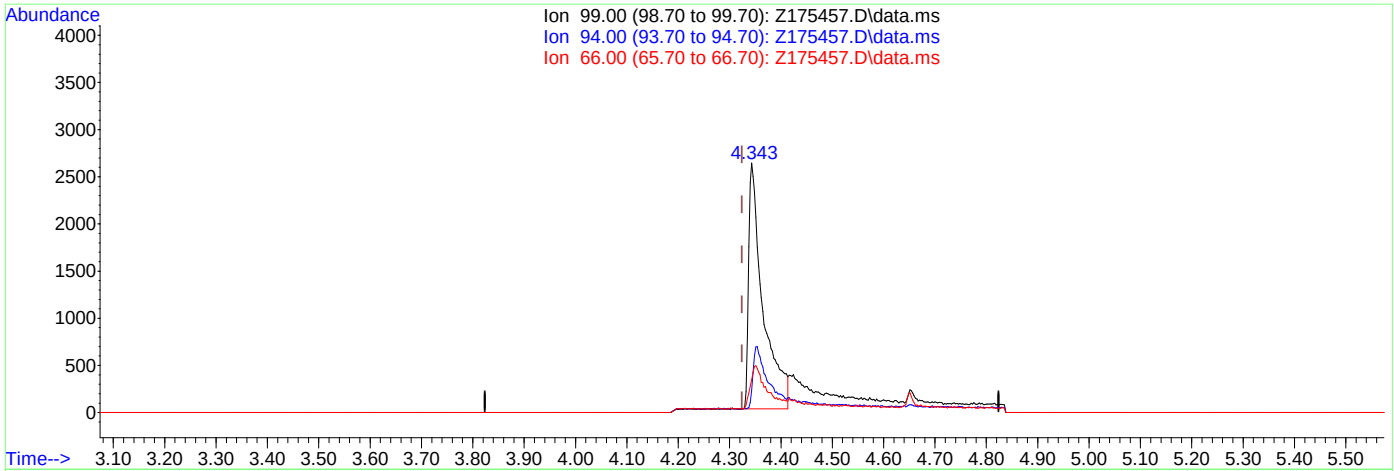
response 168

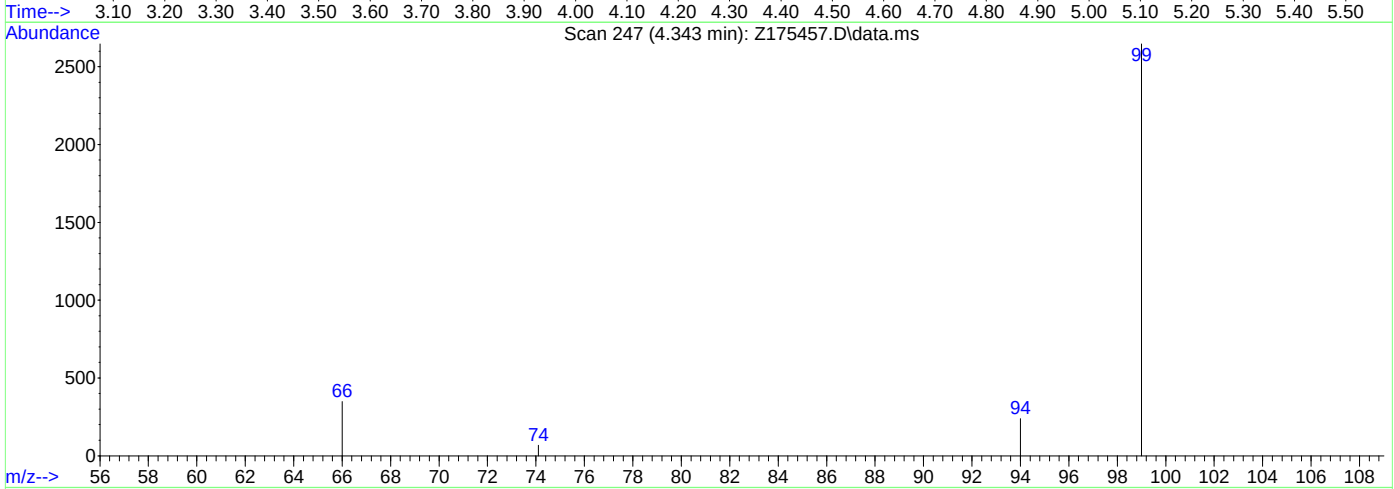
Ion	Exp%	Act%
88.00	100	100
58.00	35.60	33.45
57.00	20.00	31.08
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175457.D
Acq On : 10 Sep 2025 1:54 pm
Operator : rocquans
Sample : ic8654-0.04
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 10 16:32:46 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175457.D\data.ms

(4) Phenol-d5 (S)

4.343min (+0.019) 592.22ppb

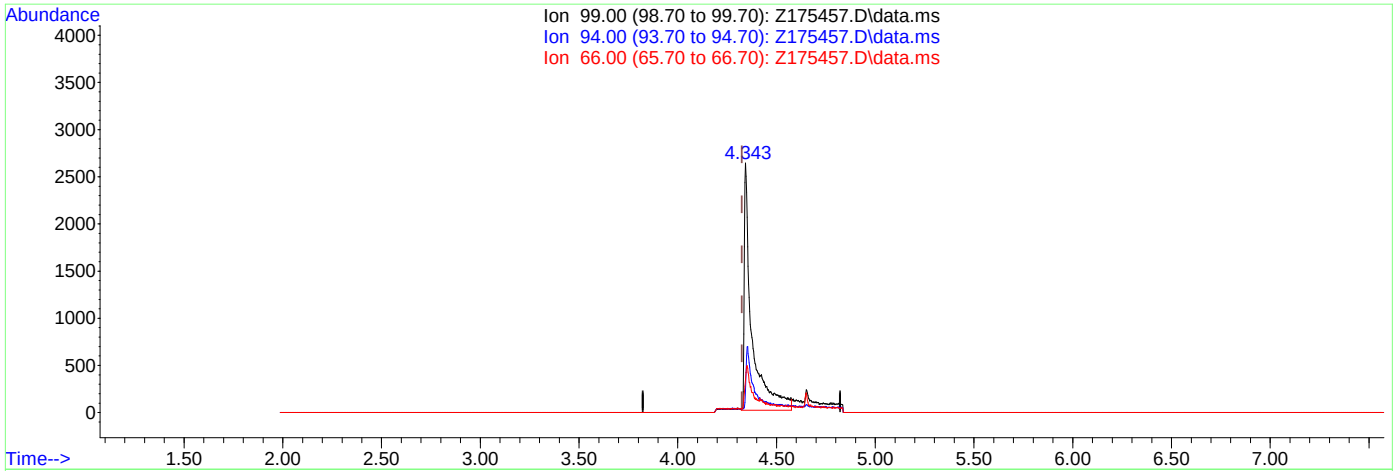
response 5067

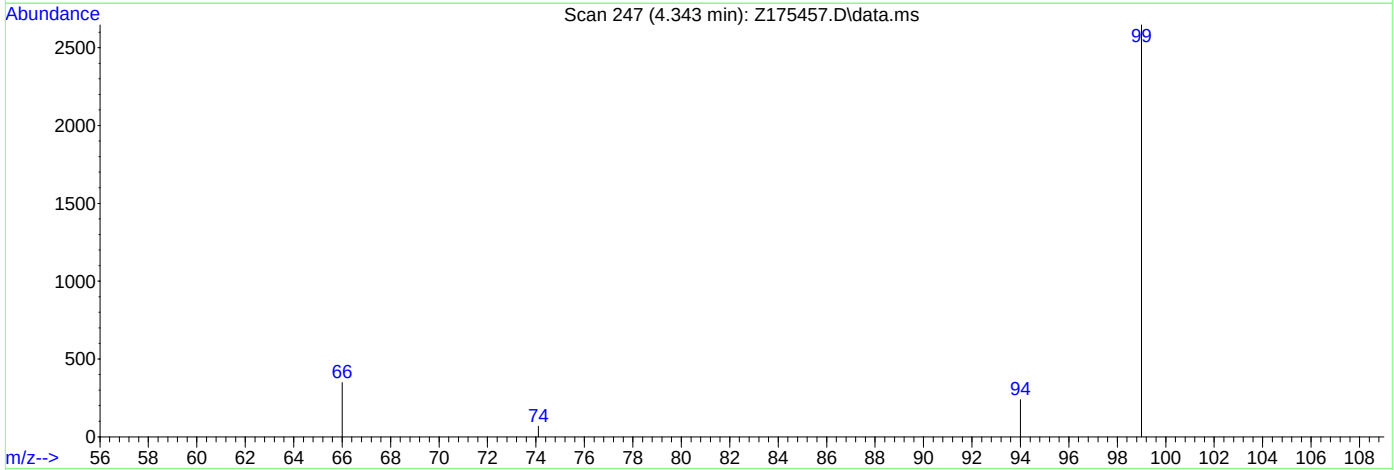
Ion	Exp%	Act%
99.00	100	100
94.00	0.40	5.76
66.00	7.40	10.89
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175457.D
Acq On : 10 Sep 2025 1:54 pm
Operator : rocquans
Sample : ic8654-0.04
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 10 16:32:46 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175457.D\data.ms

(4) Phenol-d5 (S)

4.343min (+0.019) 815.92ppb m

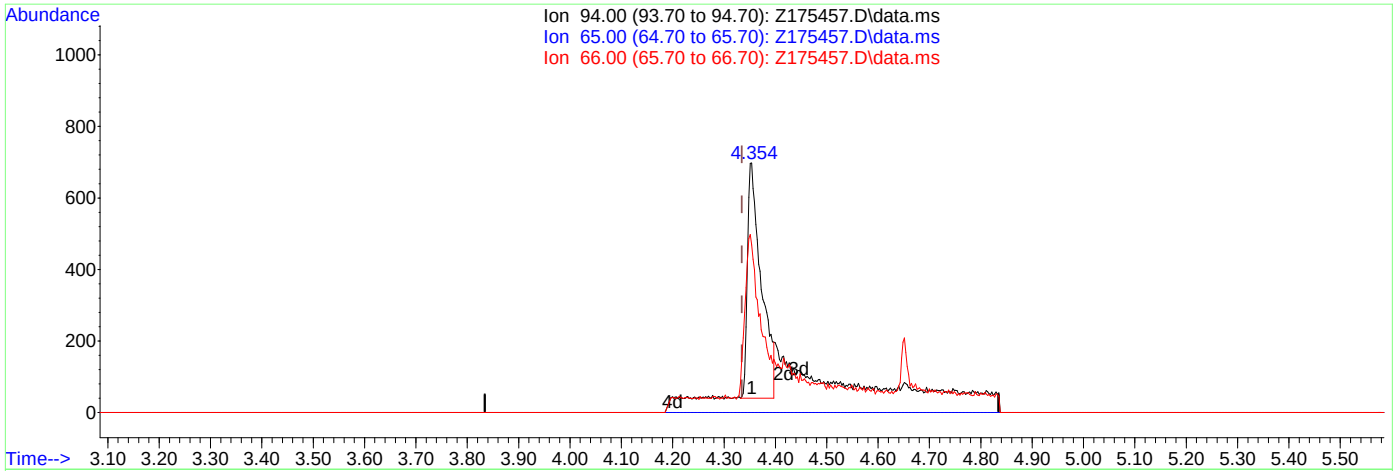
response 6981

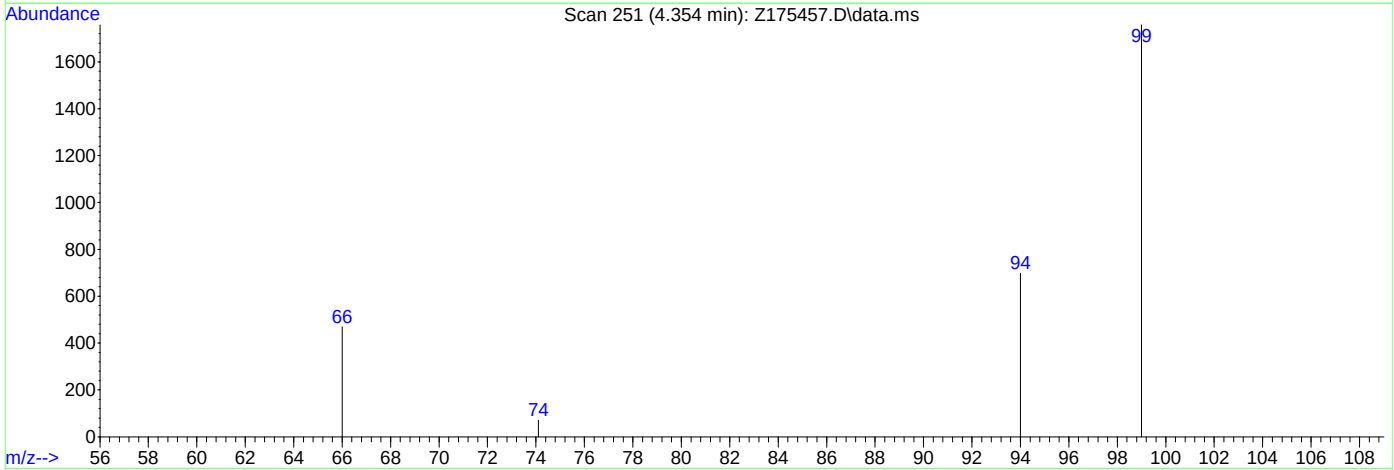
Ion	Exp%	Act%
99.00	100	100
94.00	0.40	9.03
66.00	7.40	13.18
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175457.D
Acq On : 10 Sep 2025 1:54 pm
Operator : rocquans
Sample : ic8654-0.04
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 10 16:32:46 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175457.D\data.ms

(5) Phenol

4.354min (+0.019) 141.57ppb

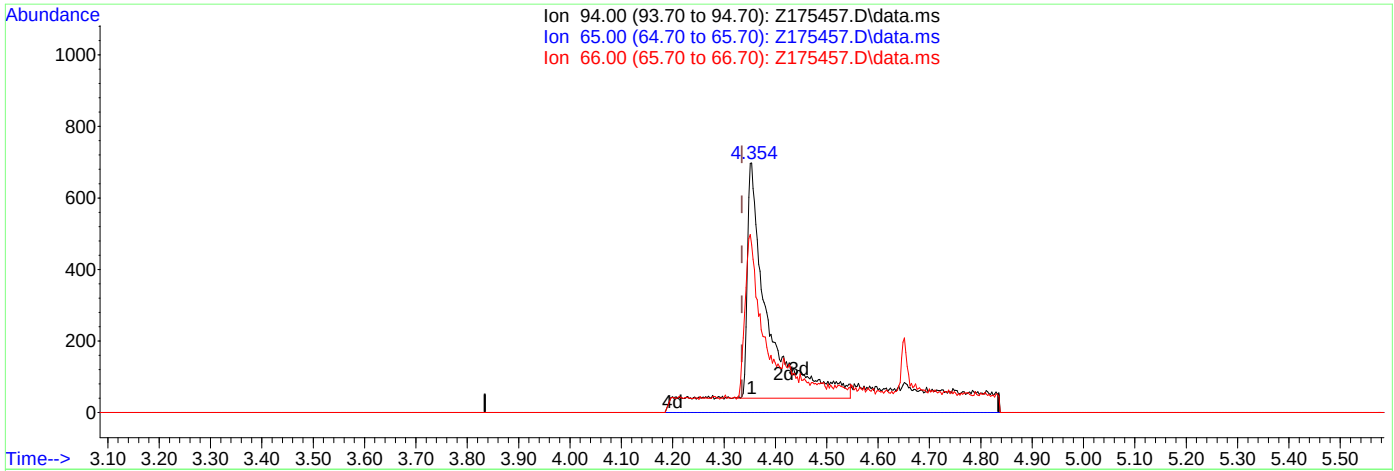
response 1228

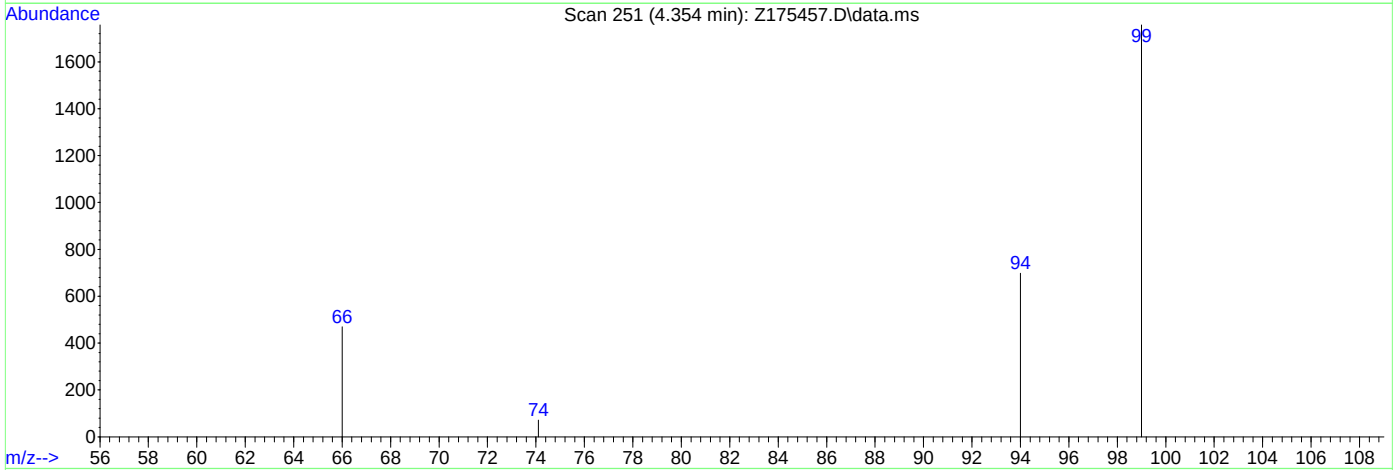
Ion	Exp%	Act%
94.00	100	100
65.00	0.00	0.00
66.00	62.30	61.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175457.D
Acq On : 10 Sep 2025 1:54 pm
Operator : rocquans
Sample : ic8654-0.04
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 10 16:32:46 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175457.D\data.ms

(5) Phenol

4.354min (+0.019) 208.32ppb m

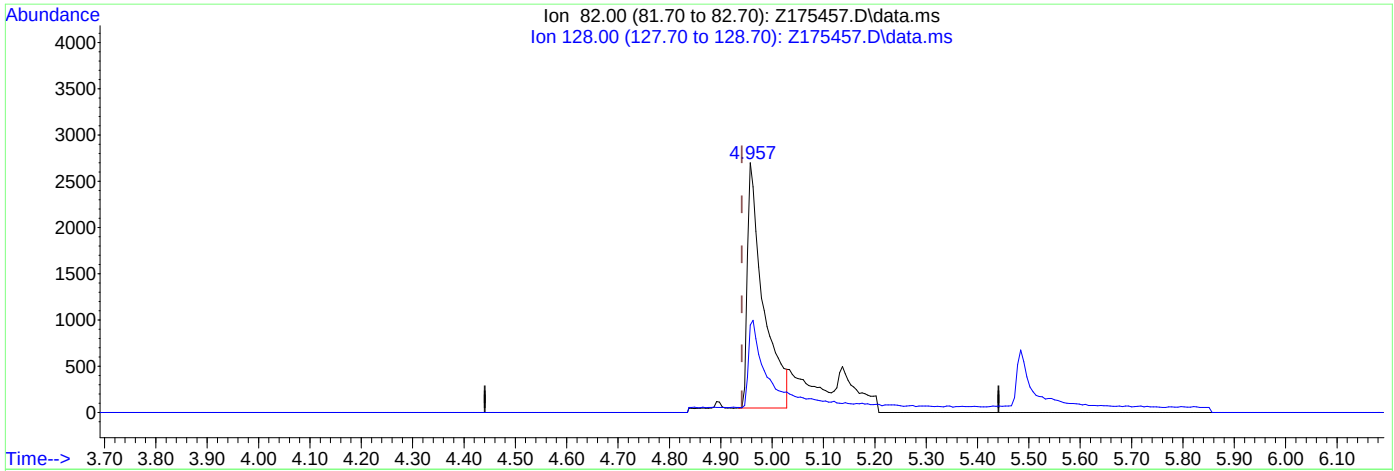
response 1807

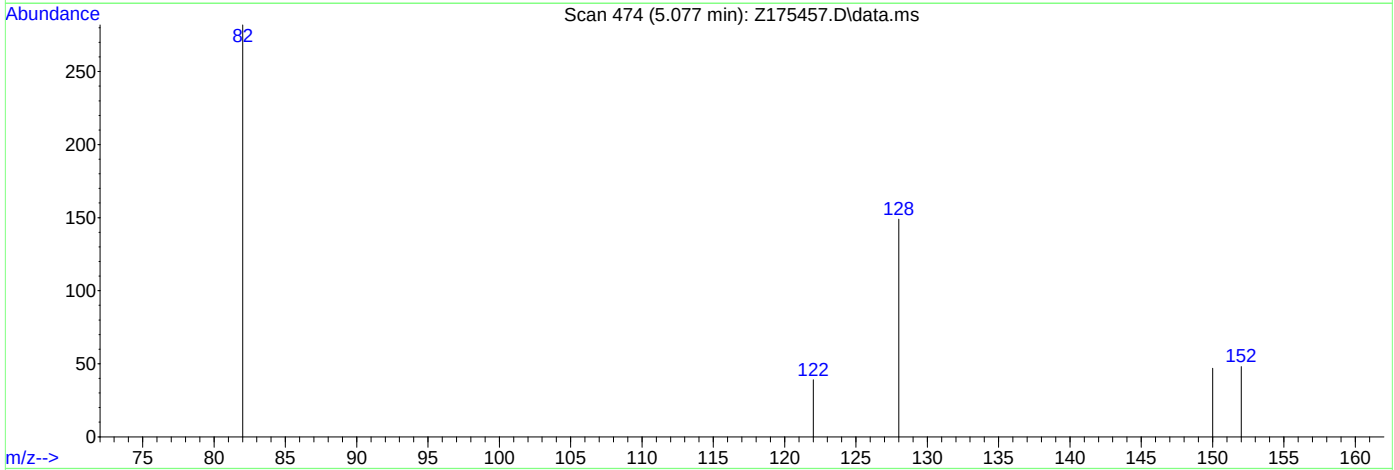
Ion	Exp%	Act%
94.00	100	100
65.00	0.00	0.00
66.00	62.30	67.19
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175457.D
Acq On : 10 Sep 2025 1:54 pm
Operator : rocquans
Sample : ic8654-0.04
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 10 16:32:46 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175457.D\data.ms

(6) Nitrobenzene-d5 (S)

4.957min (+0.016) 596.58ppb

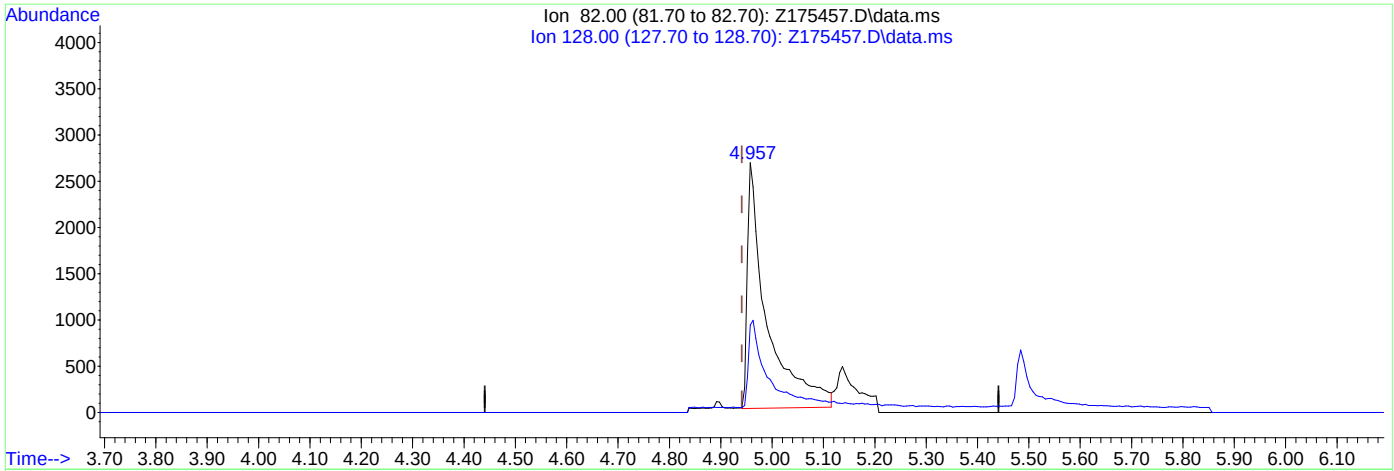
response 5668

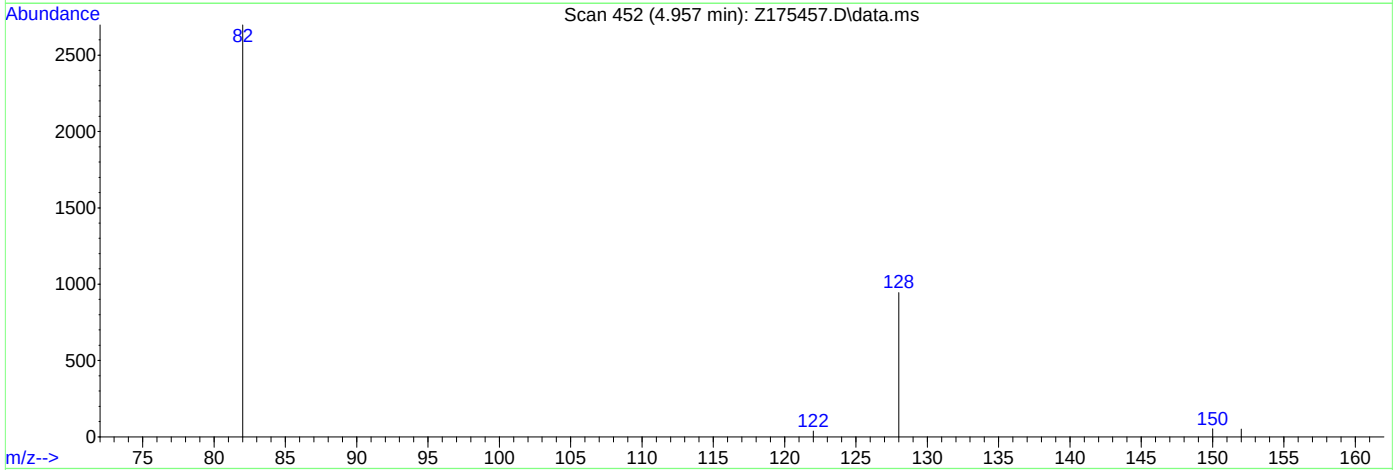
Ion	Exp%	Act%
82.00	100	100
128.00	23.60	33.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175457.D
Acq On : 10 Sep 2025 1:54 pm
Operator : rocquans
Sample : ic8654-0.04
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 10 16:32:46 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175457.D\data.ms

(6) Nitrobenzene-d5 (S)

4.957min (+0.016) 739.41ppb m

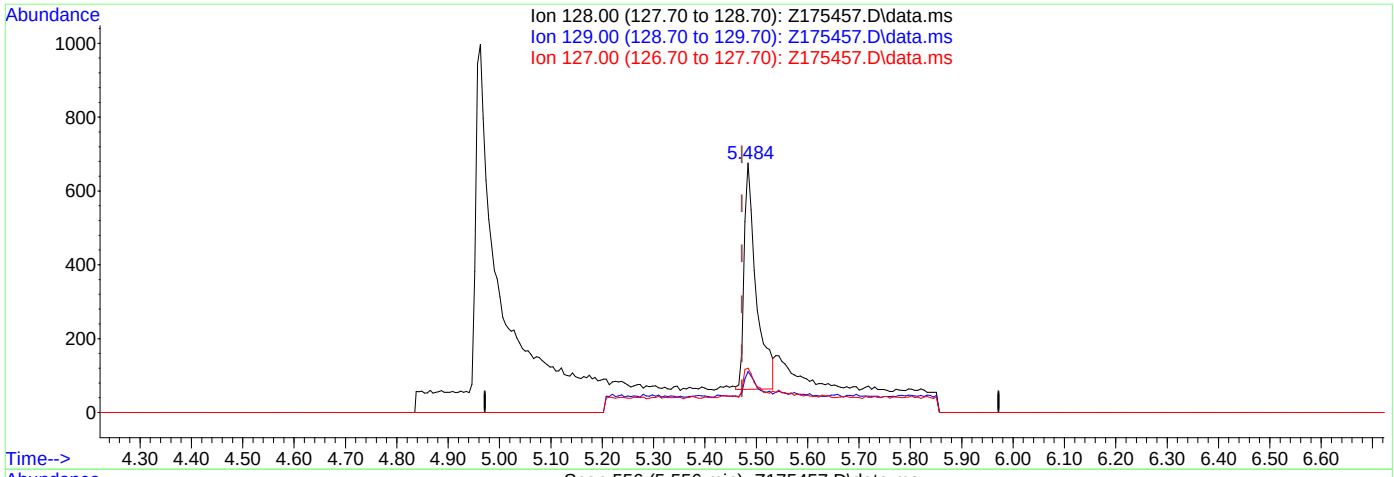
response 7025

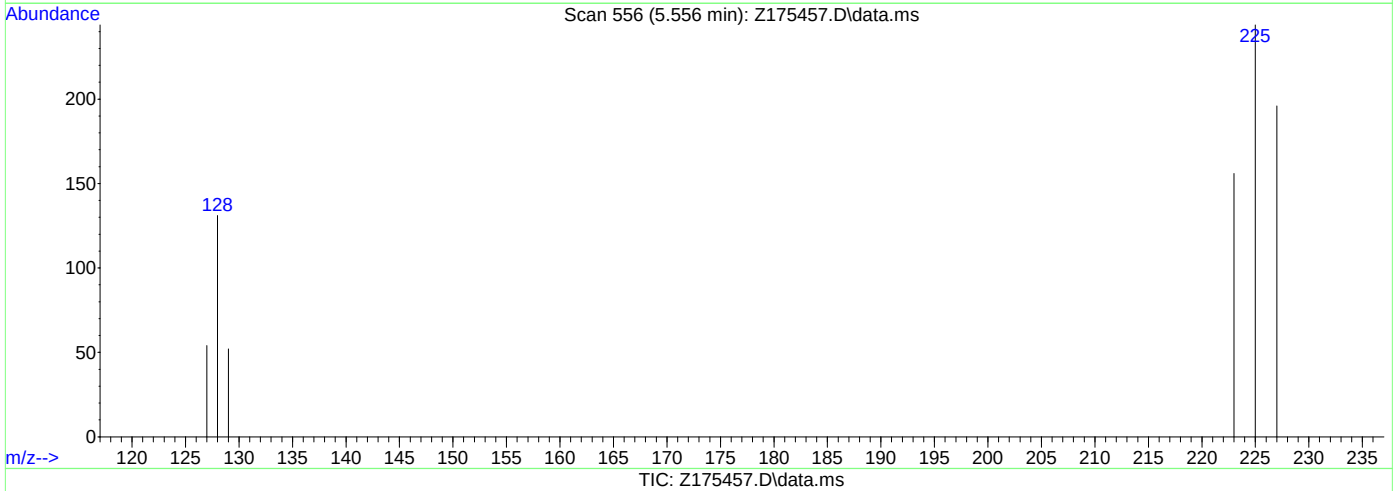
Ion	Exp%	Act%
82.00	100	100
128.00	23.60	35.01
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175457.D
Acq On : 10 Sep 2025 1:54 pm
Operator : rocquans
Sample : ic8654-0.04
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 10 16:32:46 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175457.D\data.ms

(7) Naphthalene (t)

5.484min (+0.012) 34.14ppb

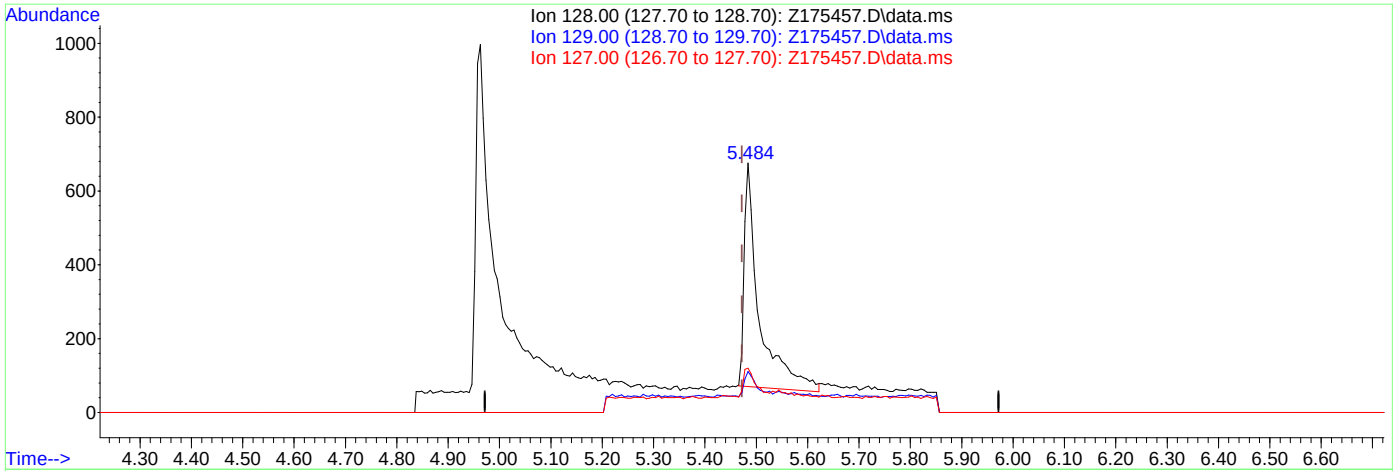
response 1005

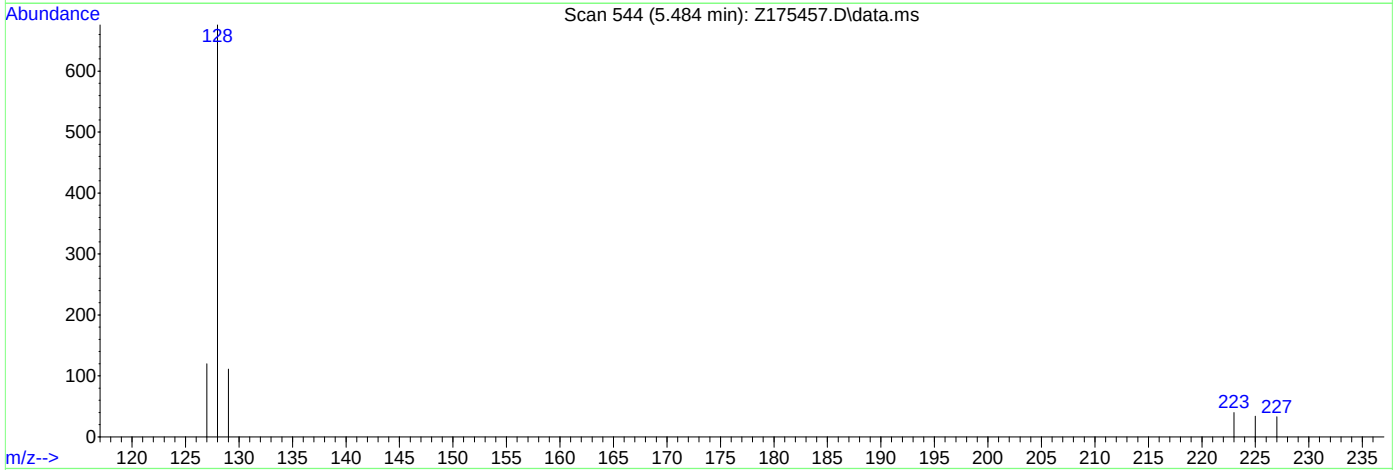
Ion	Exp%	Act%
128.00	100	100
129.00	10.60	11.18
127.00	13.30	12.24
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175457.D
Acq On : 10 Sep 2025 1:54 pm
Operator : rocquans
Sample : ic8654-0.04
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 10 16:32:46 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175457.D\data.ms

(7) Naphthalene (t)

5.484min (+0.012) 41.86ppb m

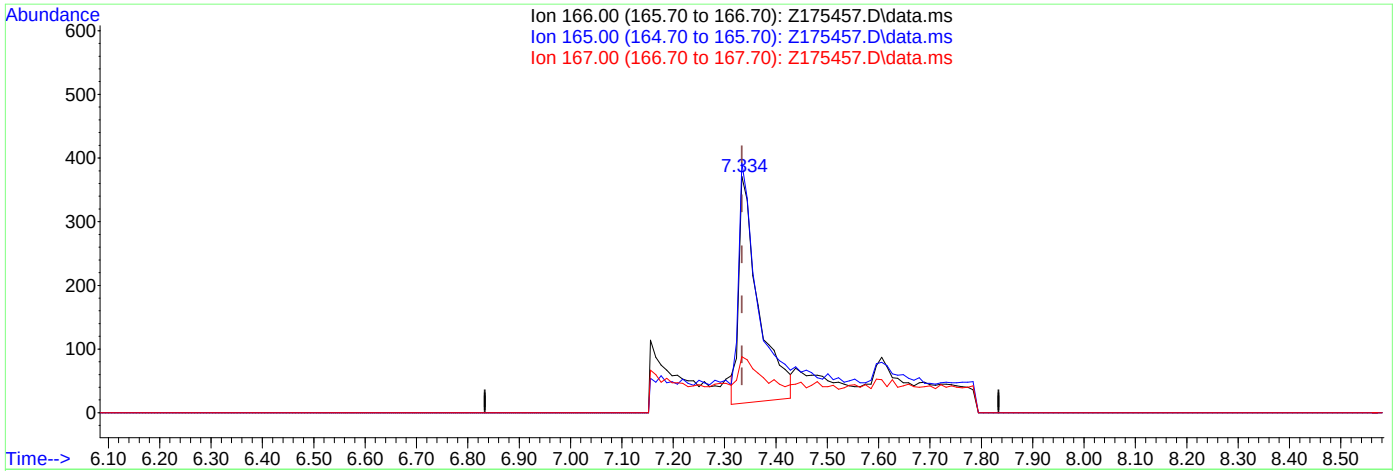
response 1232

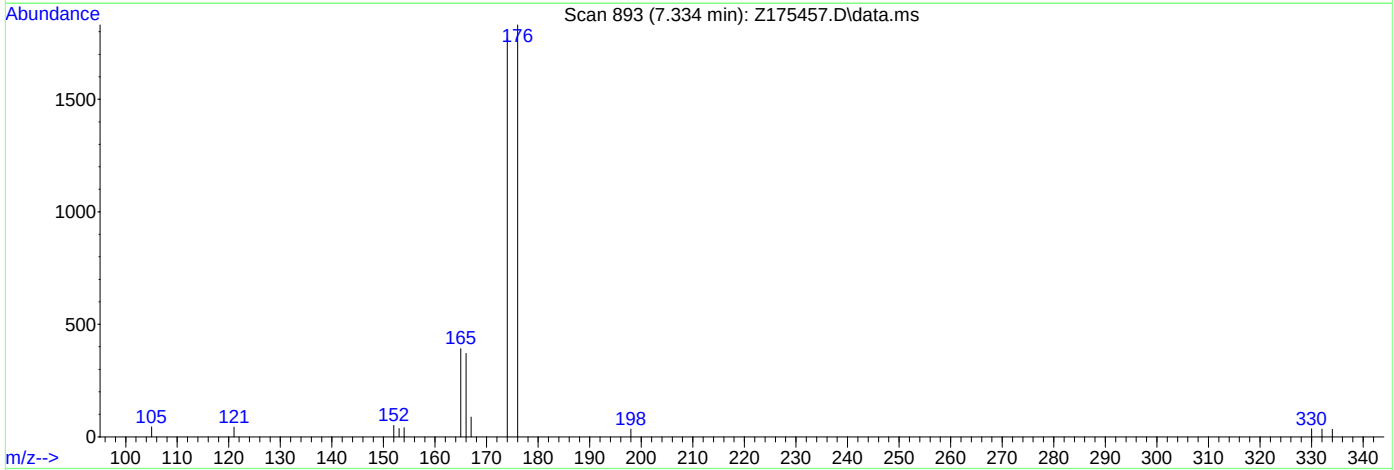
Ion	Exp%	Act%
128.00	100	100
129.00	10.60	16.42
127.00	13.30	17.75
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175457.D
Acq On : 10 Sep 2025 1:54 pm
Operator : rocquans
Sample : ic8654-0.04
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 10 16:32:46 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175457.D\data.ms

(16) Fluorene (t)

7.334min (+0.000) 40.20ppb

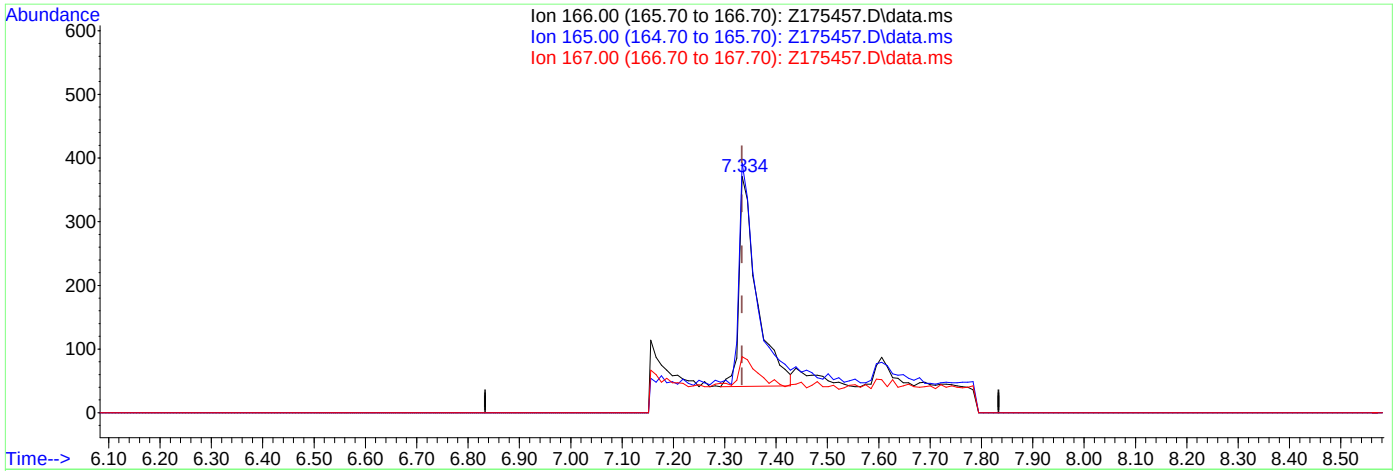
response 942

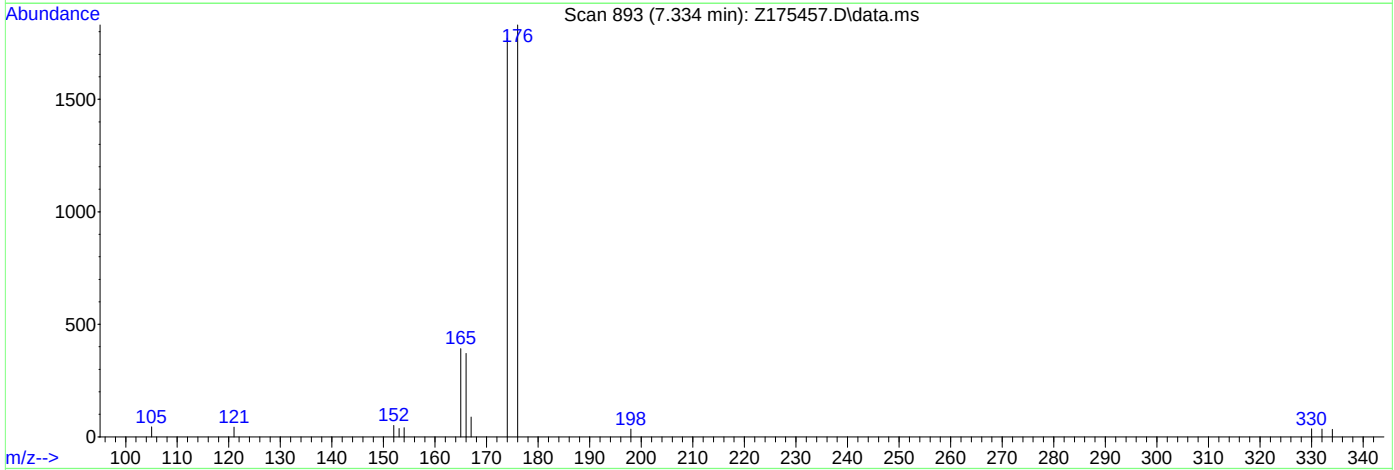
Ion	Exp%	Act%
166.00	100	100
165.00	95.80	107.85
167.00	13.50	14.26
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175457.D
Acq On : 10 Sep 2025 1:54 pm
Operator : rocquans
Sample : ic8654-0.04
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 10 16:32:46 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175457.D\data.ms

(16) Fluorene (t)

7.334min (+0.000) 34.01ppb m

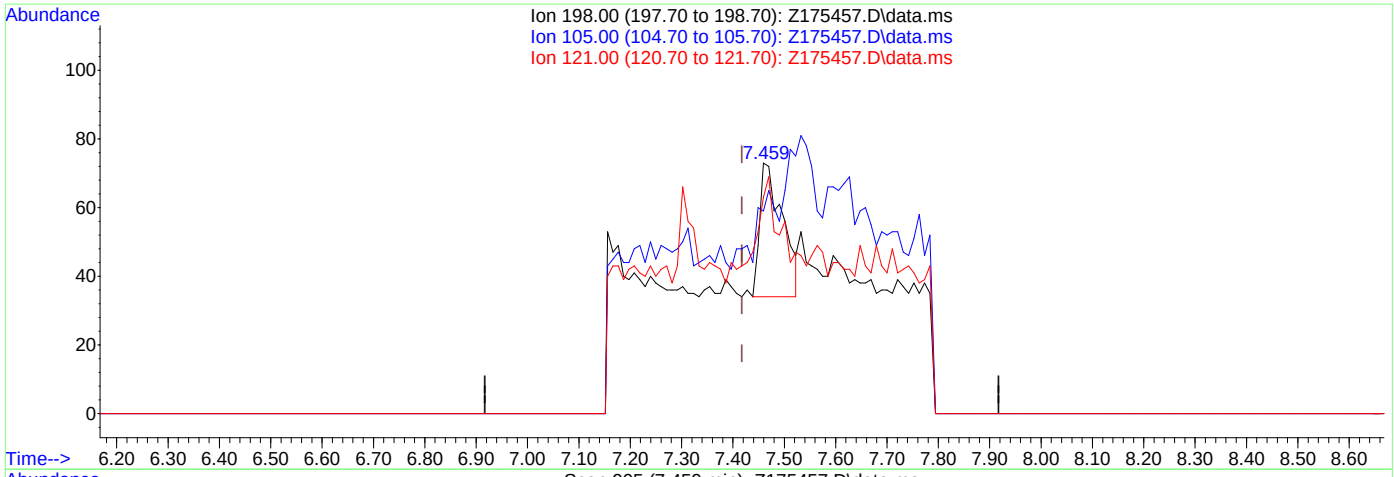
response 797

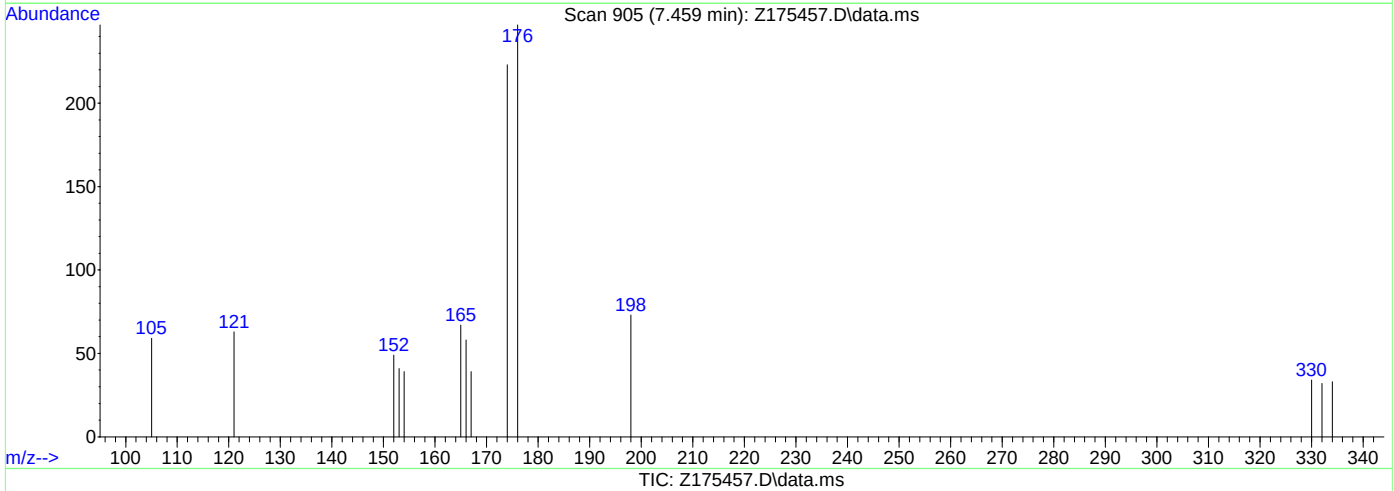
Ion	Exp%	Act%
166.00	100	100
165.00	95.80	105.66
167.00	13.50	23.72
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175457.D
Acq On : 10 Sep 2025 1:54 pm
Operator : rocquans
Sample : ic8654-0.04
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 10 16:32:46 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175457.D\data.ms

(17) 4,6-dinitro-2-methylphenol

7.459min (+0.042) 68.06ppb

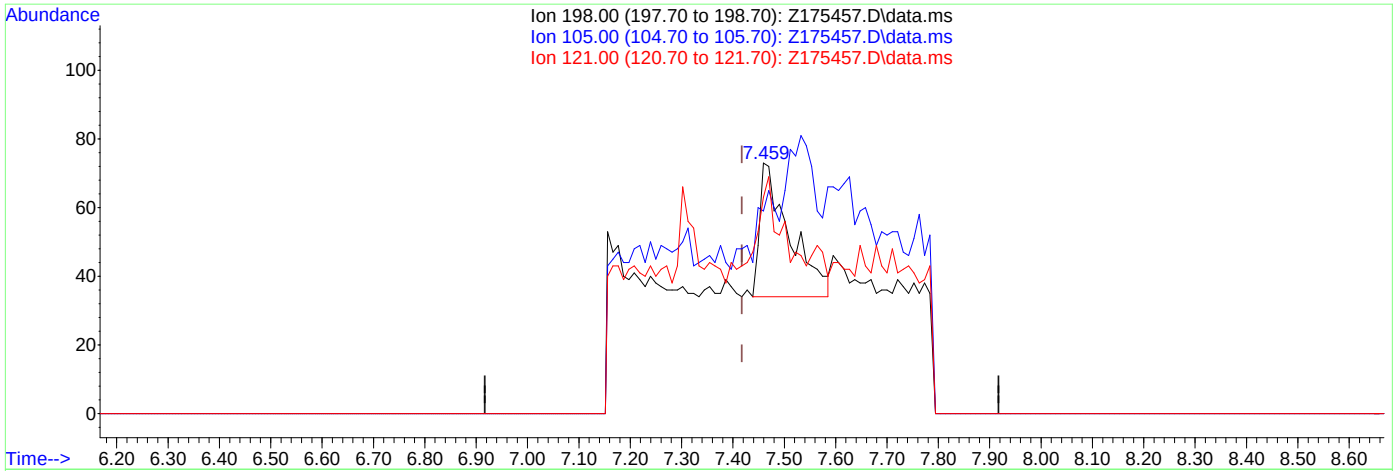
response 121

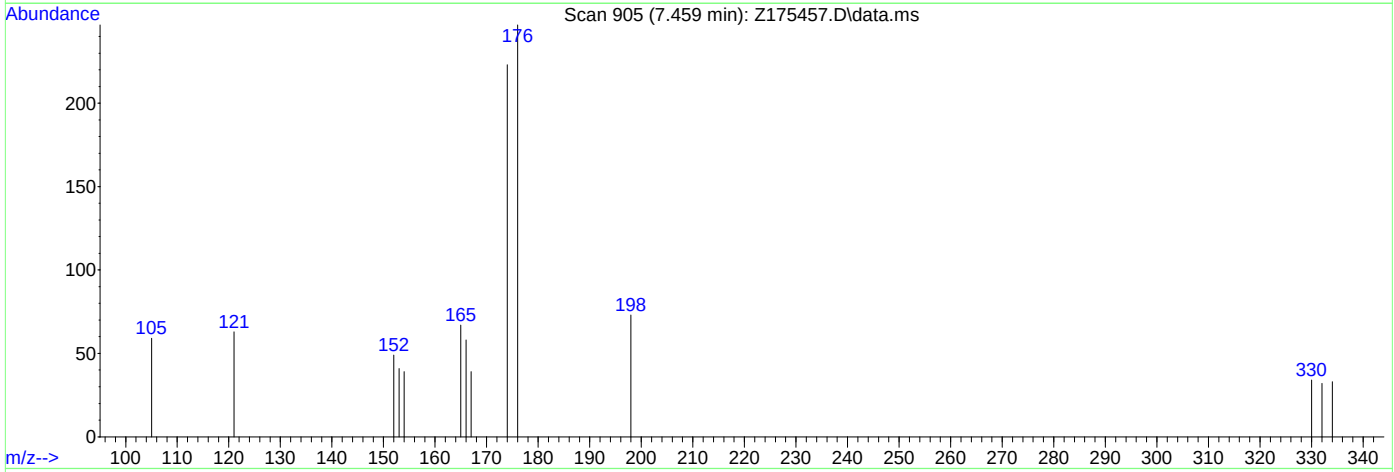
Ion	Exp%	Act%
198.00	100	100
105.00	45.60	0.00#
121.00	49.80	48.48
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175457.D
Acq On : 10 Sep 2025 1:54 pm
Operator : rocquans
Sample : ic8654-0.04
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 10 16:32:46 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175457.D\data.ms

(17) 4,6-dinitro-2-methylphenol

7.459min (+0.042) 88.88ppb m

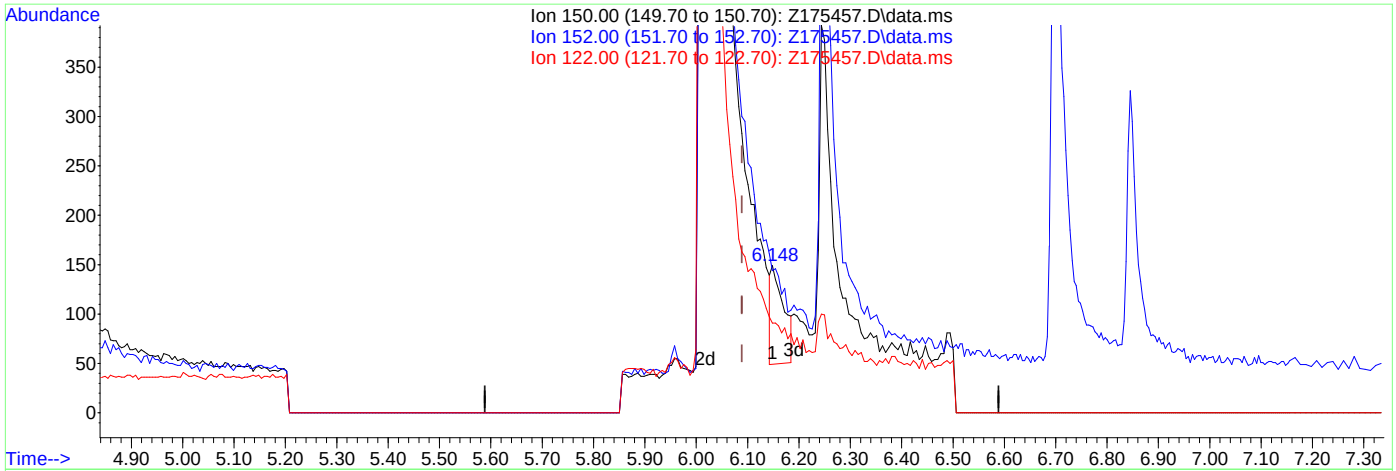
response 158

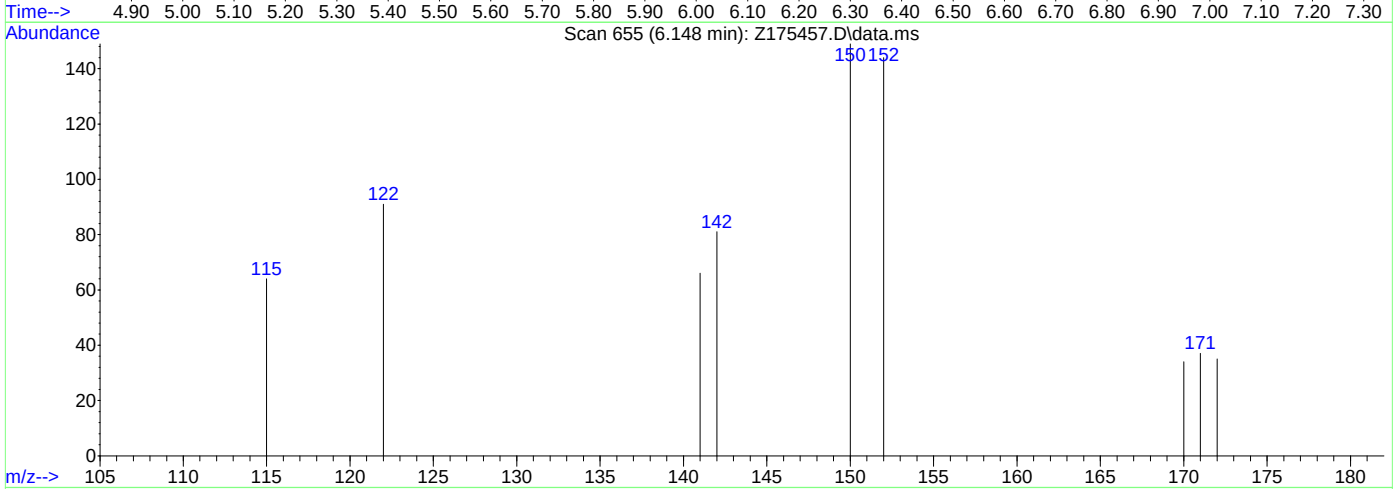
Ion	Exp%	Act%
198.00	100	100
105.00	45.60	80.82#
121.00	49.80	86.30#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175457.D
Acq On : 10 Sep 2025 1:54 pm
Operator : rocquans
Sample : ic8654-0.04
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 10 16:34:58 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175457.D\data.ms

(36) 1-Methylnaphthalene-d10a

6.148min (+0.060) 800.00ppb

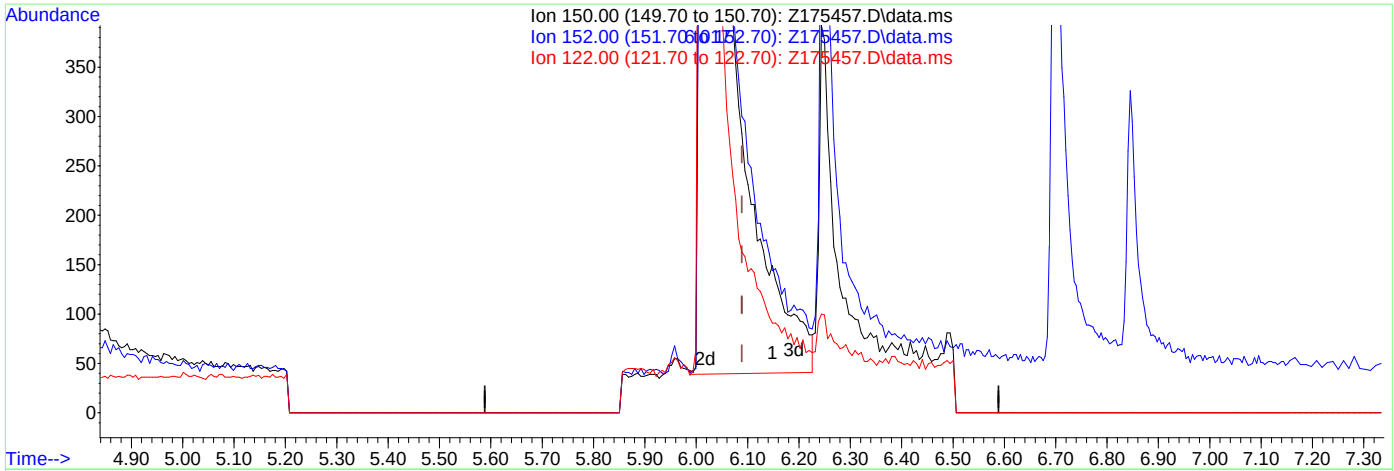
response 169

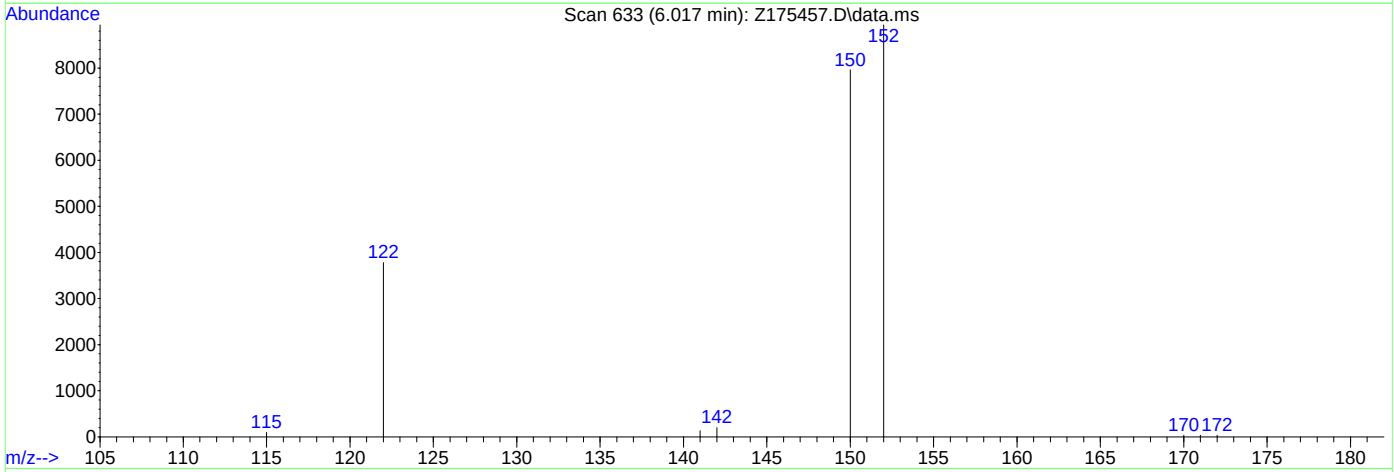
Ion	Exp%	Act%
150.00	100	100
152.00	80.50	37.70#
122.00	40.20	8.20#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175457.D
Acq On : 10 Sep 2025 1:54 pm
Operator : rocquans
Sample : ic8654-0.04
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 10 16:34:58 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175457.D\data.ms

(36) 1-Methylnaphthalene-d10a

6.017min (-0.071) 800.00ppb m

response 10649

Ion	Exp%	Act%
150.00	100	100
152.00	80.50	112.29#
122.00	40.20	47.48
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
09/15/25 15:51

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175458.D
Acq On : 10 Sep 2025 2:19 pm
Operator : rocquans
Sample : ic8654-0.1
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 11 11:56:38 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration

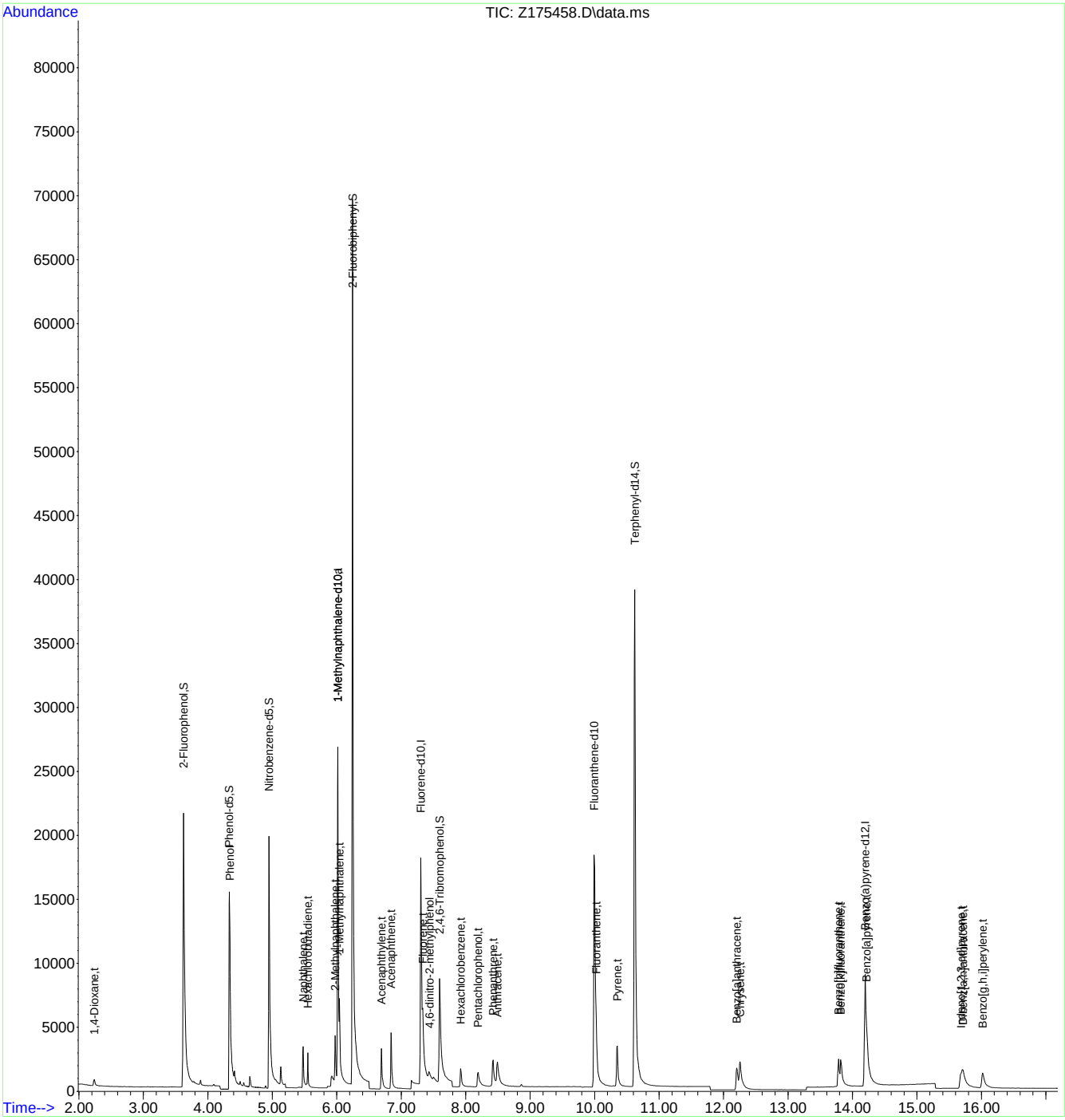
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	6.017	150	11218	800.00	ppb	0.00
12) Fluorene-d10	7.302	176	14903	800.00	ppb	0.00
19) Fluoranthene-d10	9.992	212	26082	800.00	ppb	0.00
29) Benzo(a)pyrene-d12	14.197	264	16774	800.00	ppb	0.00
36) 1-Methylnaphthalene-d10a	6.017	150	11711m	800.00	ppb	-0.07
System Monitoring Compounds						
3) 2-Fluorophenol	3.621	112	18398	2158.55	ppb	0.00
Spiked Amount 10000.000			Recovery =	21.59%		
4) Phenol-d5	4.332	99	17578	1885.80	ppb	0.00
Spiked Amount 10000.000			Recovery =	18.86%		
6) Nitrobenzene-d5	4.946	82	21537	2080.75	ppb	0.00
Spiked Amount 10000.000			Recovery =	20.81%		
13) 2-Fluorobiphenyl	6.244	172	48644	2204.99	ppb	0.00
Spiked Amount 10000.000			Recovery =	22.05%		
18) 2,4,6-Tribromophenol	7.595	330	7806	1982.91	ppb	0.01
Spiked Amount 10000.000			Recovery =	19.83%		
26) Terphenyl-d14	10.624	244	47319	2037.69	ppb	0.00
Spiked Amount 10000.000			Recovery =	20.38%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.240	88	441m	97.03	ppb	
5) Phenol	4.340	94	4575	484.13	ppb	93
7) Naphthalene	5.478	128	3002	93.62	ppb	97
8) Hexachlorobutadiene	5.550	225	843	99.08	ppb	96
9) 2-Methylnaphthalene	5.975	141	1945	97.75	ppb	98
10) 1-Methylnaphthalene	6.041	141	1982	97.36	ppb	97
14) Acenaphthylene	6.691	152	3175	99.55	ppb	100
15) Acenaphthene	6.841	153	2184	97.36	ppb	93
16) Fluorene	7.334	166	2520	97.50	ppb	96
17) 4,6-dinitro-2-methylph...	7.438	198	812m	414.15	ppb	
20) Hexachlorobenzene	7.920	284	917	97.52	ppb	94
21) Pentachlorophenol	8.192	266	1513m	486.44	ppb	
22) Phenanthrene	8.425	178	3072	93.09	ppb	99
23) Anthracene	8.493	178	4290	104.72	ppb	97
24) Fluoranthene	10.024	202	3901	99.32	ppb	96
25) Pyrene	10.353	202	4004	96.84	ppb	99
27) Benzo[a]anthracene	12.203	228	2340	89.28	ppb	95
28) Chrysene	12.256	228	4345	96.54	ppb	96
30) Benzo[b]fluoranthene	13.783	252	2606	112.21	ppb	99
31) Benzo[k]fluoranthene	13.818	252	3312	90.37	ppb	99
32) Benzo[a]pyrene	14.220	252	2830	101.01	ppb	98
33) Indeno[1,2,3-cd]pyrene	15.684	276	3368	106.24	ppb	97
34) Dibenz[a,h]anthracene	15.713	278	2725	103.78	ppb	92
35) Benzo[g,h,i]perylene	16.020	276	2806	101.47	ppb	99

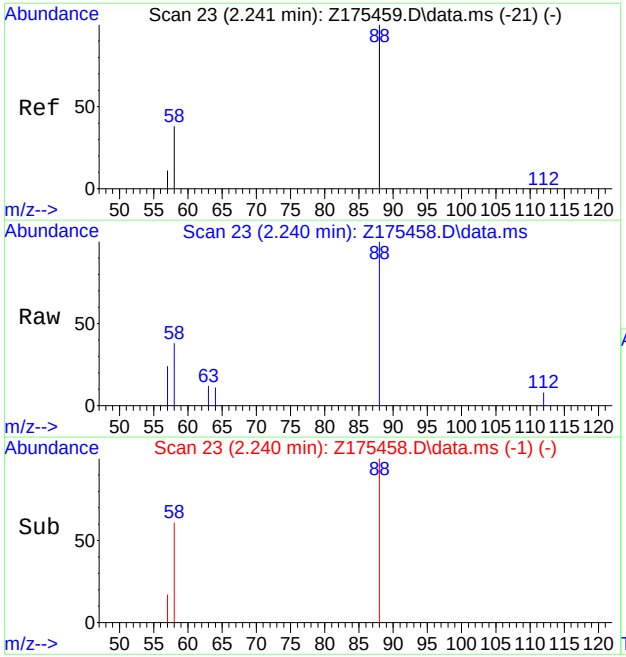
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175458.D
Acq On : 10 Sep 2025 2:19 pm
Operator : rocquans
Sample : ic8654-0.1
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 11 11:56:38 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration

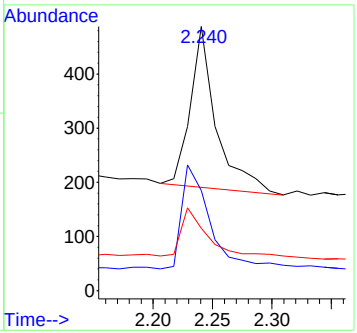


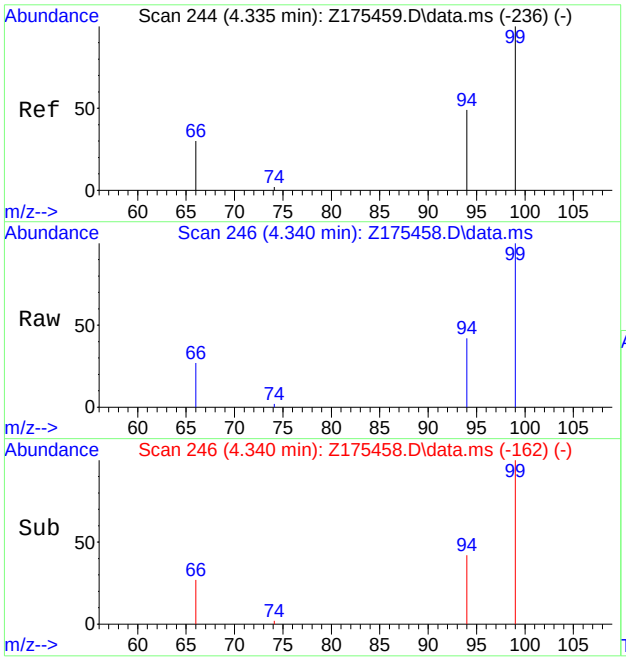


#2
1,4-Dioxane
Concen: 97.03 ppb m
RT: 2.240 min Scan# 23
Delta R.T. -0.000 min
Lab File: Z175458.D
Acq: 10 Sep 2025 2:19 pm

Tgt Ion: 88 Resp: 441

Ion	Ratio	Lower	Upper
88	100		
58	37.9	15.6	55.6
57	23.6	0.0	40.0

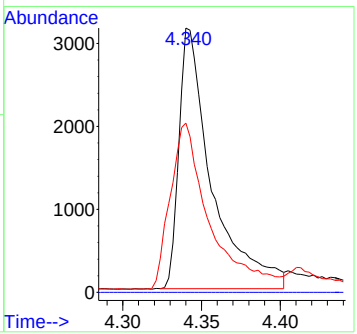


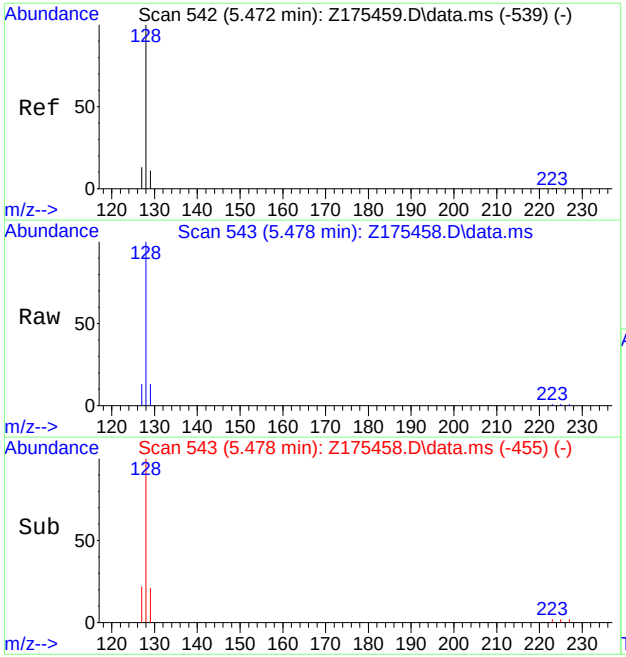


#5
Phenol
Concen: 484.13 ppb
RT: 4.340 min Scan# 246
Delta R.T. 0.005 min
Lab File: Z175458.D
Acq: 10 Sep 2025 2:19 pm

Tgt Ion: 94 Resp: 4575

Ion	Ratio	Lower	Upper
94	100		
65	0.0	0.0	0.0
66	57.1	49.8	74.8

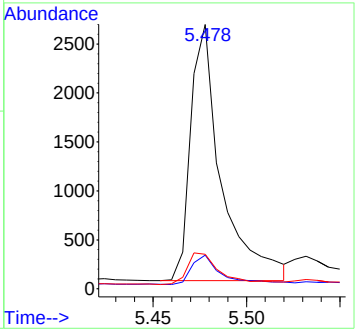


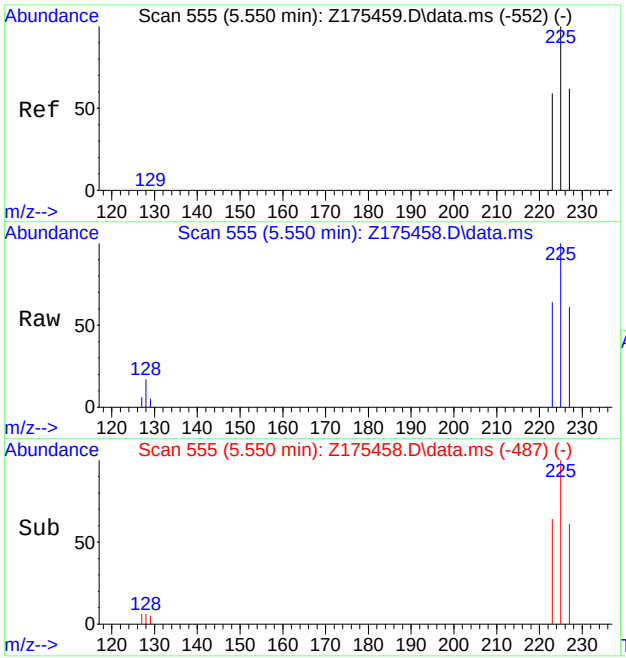


#7
Naphthalene
Concen: 93.62 ppb
RT: 5.478 min Scan# 543
Delta R.T. 0.006 min
Lab File: Z175458.D
Acq: 10 Sep 2025 2:19 pm

Tgt Ion:128 Resp: 3002

Ion	Ratio	Lower	Upper
128	100		
129	11.3	0.0	40.6
127	11.7	0.0	43.3

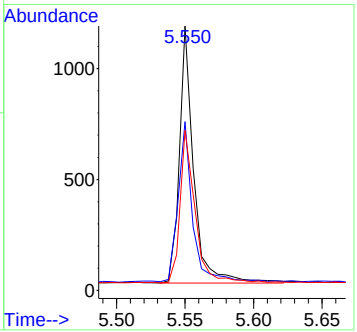


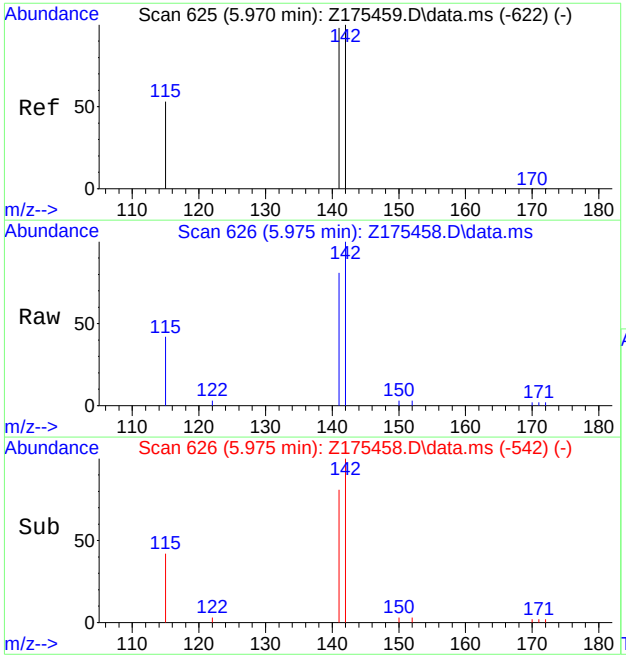


#8
Hexachlorobutadiene
Concen: 99.08 ppb
RT: 5.550 min Scan# 555
Delta R.T. -0.000 min
Lab File: Z175458.D
Acq: 10 Sep 2025 2:19 pm

Tgt Ion:225 Resp: 843

Ion	Ratio	Lower	Upper
225	100		
223	62.4	29.0	89.0
227	59.4	32.1	92.1

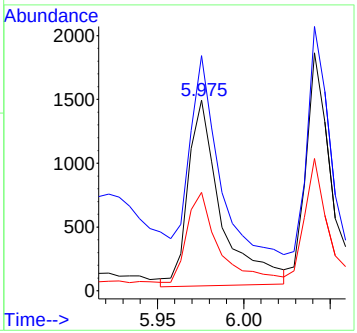


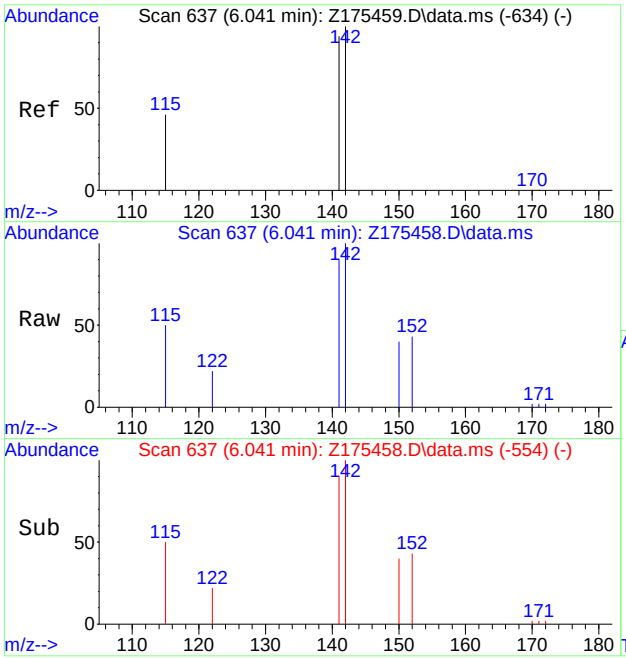


#9
2-Methylnaphthalene
Concen: 97.75 ppb
RT: 5.975 min Scan# 626
Delta R.T. 0.006 min
Lab File: Z175458.D
Acq: 10 Sep 2025 2:19 pm

Tgt Ion:141 Resp: 1945

Ion	Ratio	Lower	Upper
141	100		
142	107.8	77.1	137.1
115	50.1	24.3	84.3

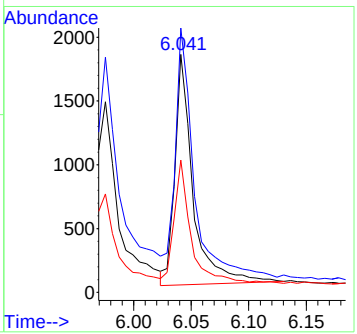


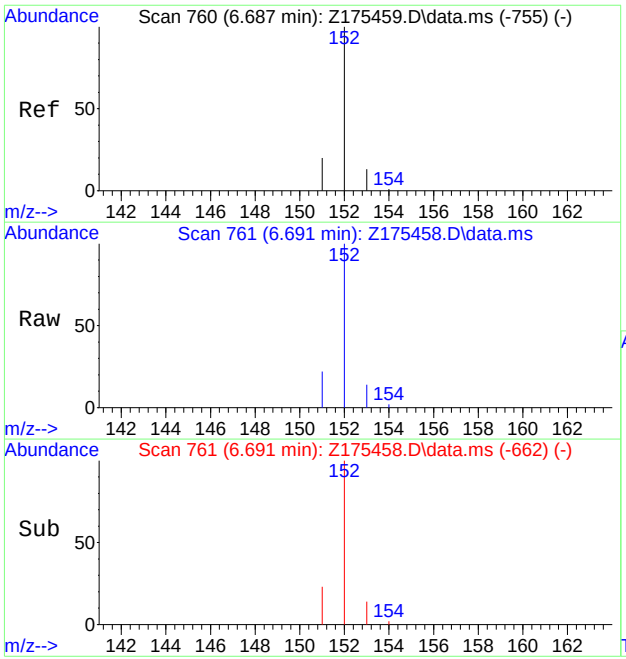


#10
1-Methylnaphthalene
Concen: 97.36 ppb
RT: 6.041 min Scan# 637
Delta R.T. -0.000 min
Lab File: Z175458.D
Acq: 10 Sep 2025 2:19 pm

Tgt Ion:141 Resp: 1982

Ion	Ratio	Lower	Upper
141	100		
142	107.1	77.6	137.6
115	54.5	19.1	79.1

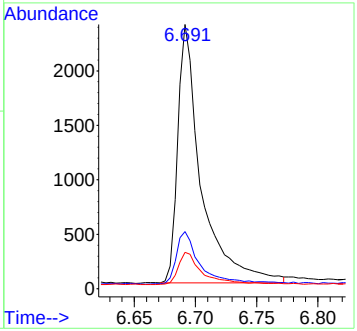


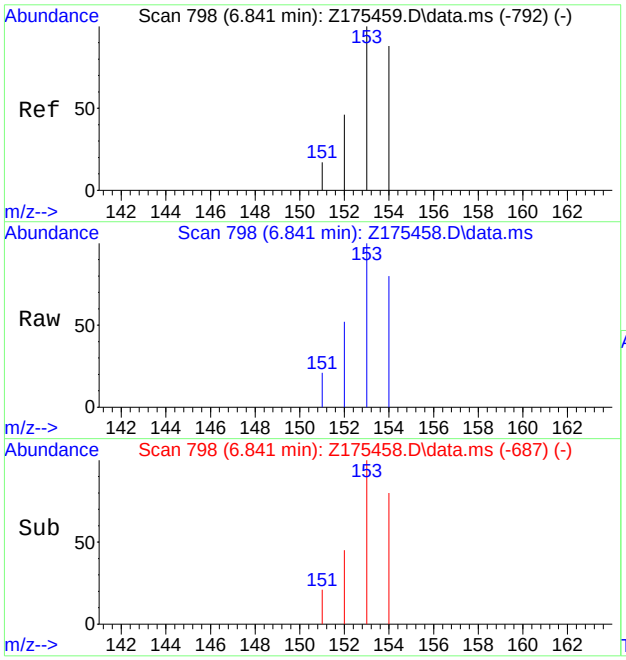


#14
Acenaphthylene
Concen: 99.55 ppb
RT: 6.691 min Scan# 761
Delta R.T. 0.004 min
Lab File: Z175458.D
Acq: 10 Sep 2025 2:19 pm

Tgt Ion:152 Resp: 3175

Ion	Ratio	Lower	Upper
152	100		
151	20.2	0.0	50.1
153	12.4	0.0	42.6

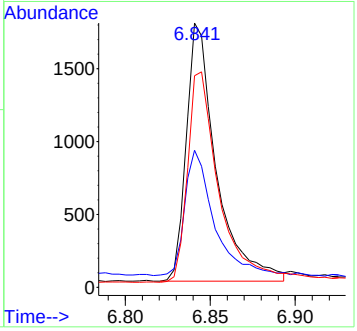


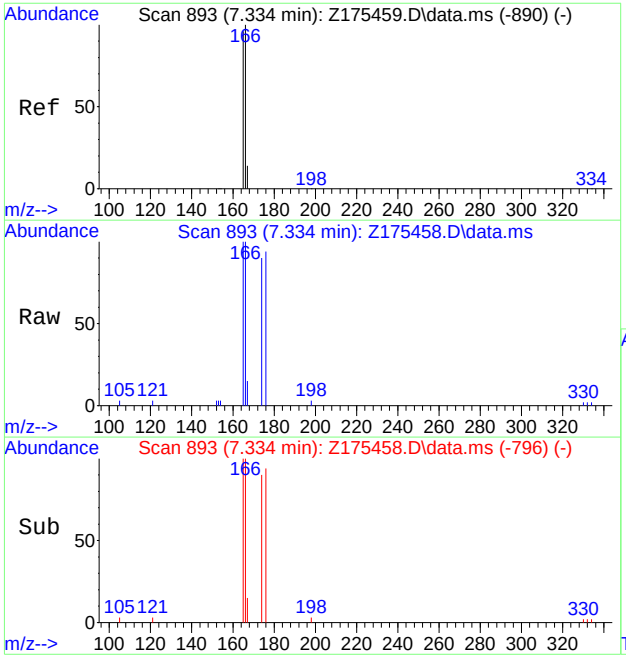


#15
Acenaphthene
Concen: 97.36 ppb
RT: 6.841 min Scan# 798
Delta R.T. -0.000 min
Lab File: Z175458.D
Acq: 10 Sep 2025 2:19 pm

Tgt Ion:153 Resp: 2184

Ion	Ratio	Lower	Upper
153	100		
152	48.6	16.6	76.6
154	79.5	57.9	117.9

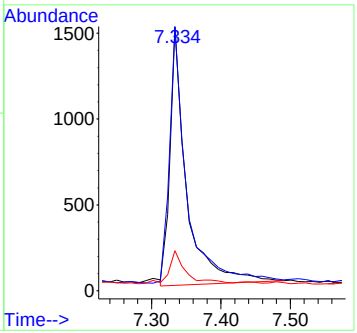


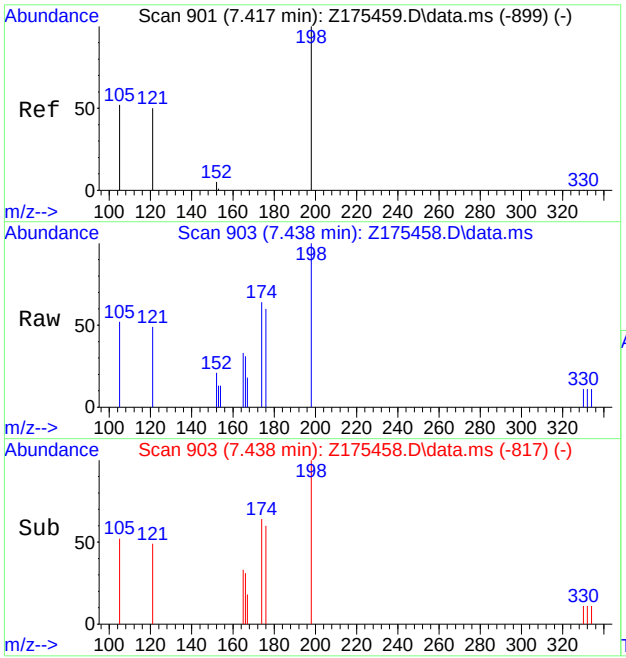


#16
Fluorene
Concen: 97.50 ppb
RT: 7.334 min Scan# 893
Delta R.T. -0.000 min
Lab File: Z175458.D
Acq: 10 Sep 2025 2:19 pm

Tgt Ion:166 Resp: 2520

Ion	Ratio	Lower	Upper
166	100		
165	100.4	65.8	125.8
167	12.6	0.0	43.5

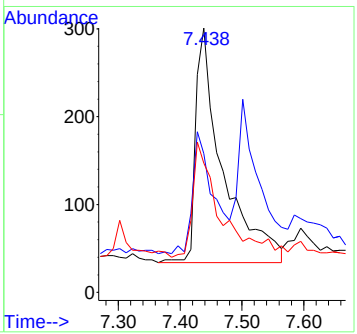


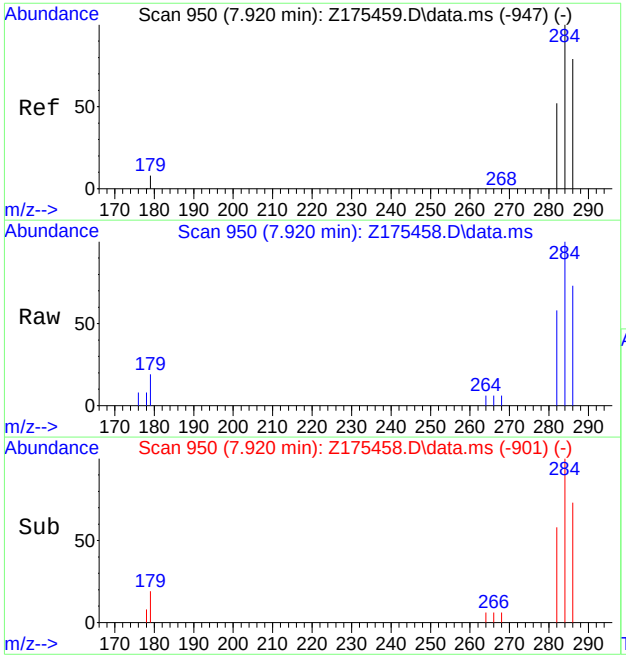


#17
4,6-dinitro-2-methylphenol
Concen: 414.15 ppb m
RT: 7.438 min Scan# 903
Delta R.T. 0.021 min
Lab File: Z175458.D
Acq: 10 Sep 2025 2:19 pm

Tgt Ion:198 Resp: 812

Ion	Ratio	Lower	Upper
198	100		
105	52.5	25.6	65.6
121	48.8	29.8	69.8

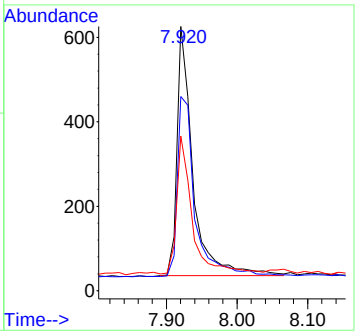


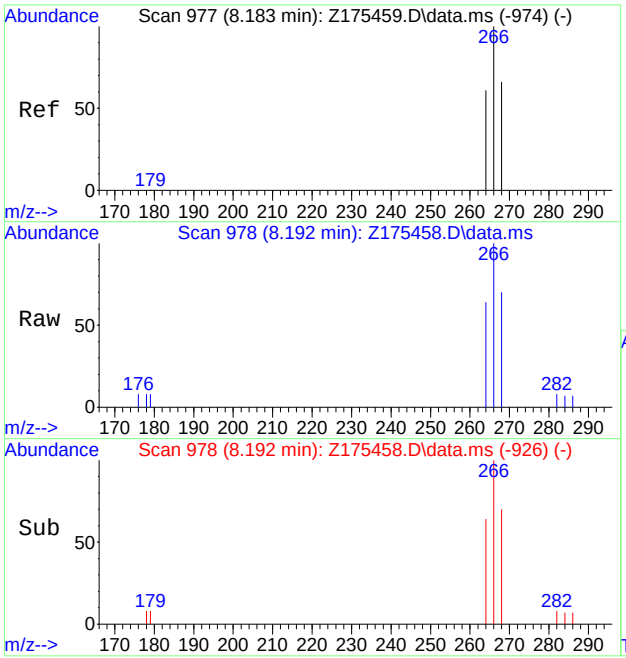


#20
Hexachlorobenzene
Concen: 97.52 ppb
RT: 7.920 min Scan# 950
Delta R.T. -0.000 min
Lab File: Z175458.D
Acq: 10 Sep 2025 2:19 pm

Tgt Ion:284 Resp: 917

Ion	Ratio	Lower	Upper
284	100		
286	72.1	48.9	108.9
282	54.5	22.1	82.1

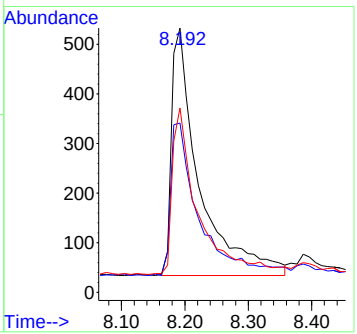


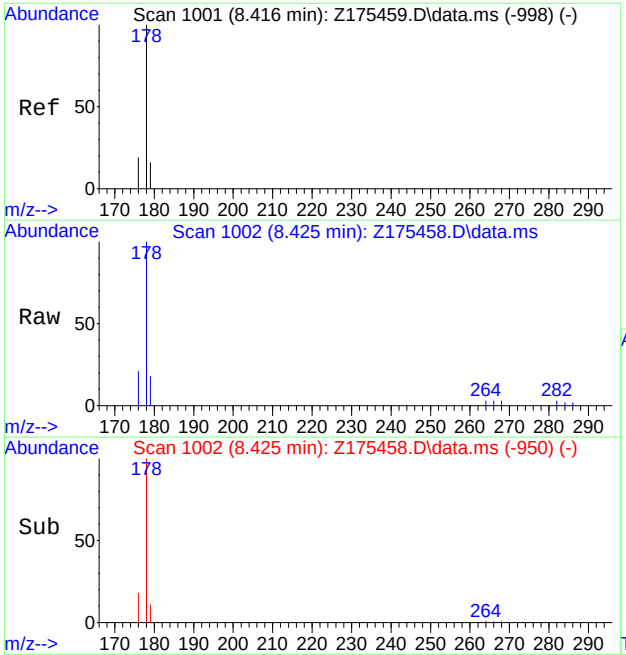


#21
Pentachlorophenol
Concen: 486.44 ppb m
RT: 8.192 min Scan# 978
Delta R.T. 0.010 min
Lab File: Z175458.D
Acq: 10 Sep 2025 2:19 pm

Tgt Ion:266 Resp: 1513

Ion	Ratio	Lower	Upper
266	100		
264	64.0	30.8	90.8
268	69.8	36.3	96.3

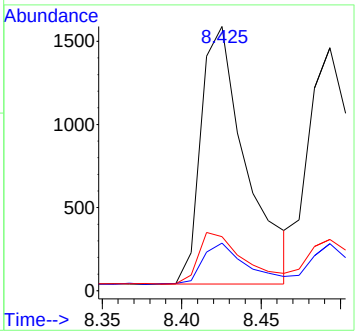


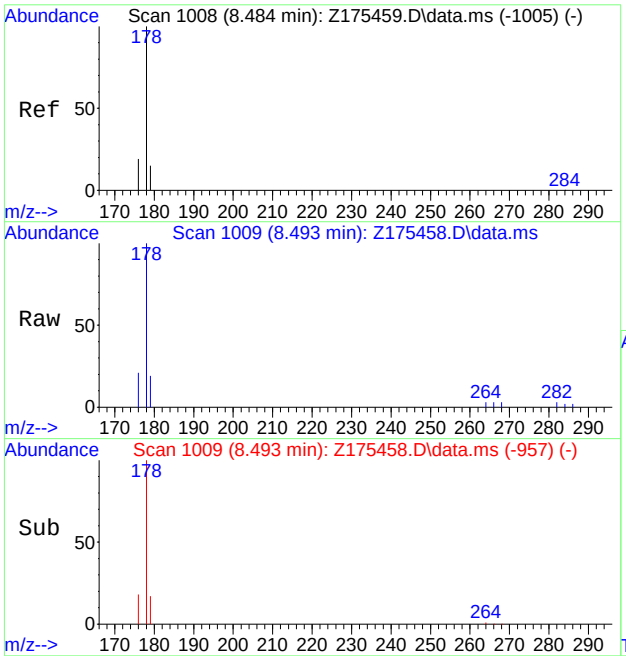


#22
Phenanthrene
Concen: 93.09 ppb
RT: 8.425 min Scan# 1002
Delta R.T. 0.010 min
Lab File: Z175458.D
Acq: 10 Sep 2025 2:19 pm

Tgt Ion:178 Resp: 3072

Ion	Ratio	Lower	Upper
178	100		
179	16.0	0.0	45.6
176	18.3	0.0	48.6

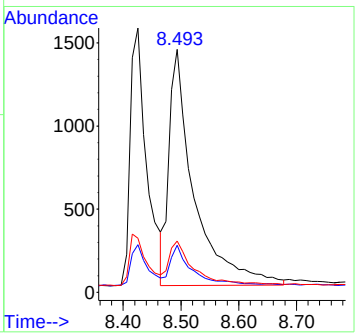


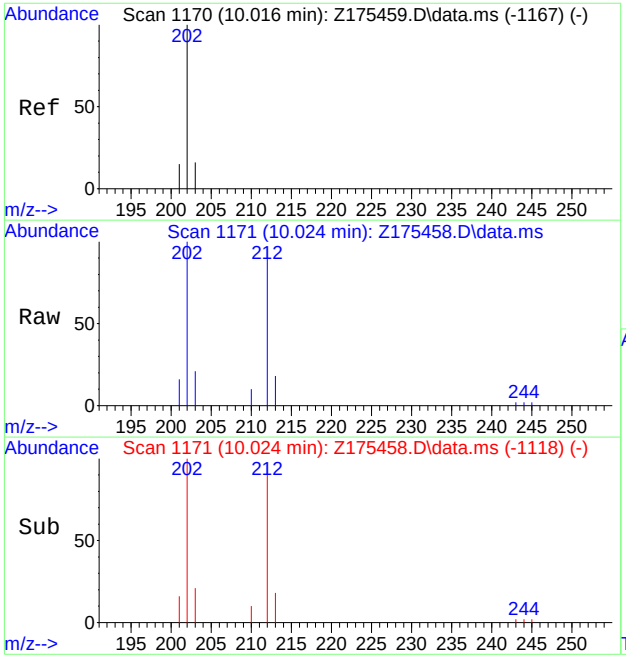


#23
Anthracene
Concen: 104.72 ppb
RT: 8.493 min Scan# 1009
Delta R.T. 0.010 min
Lab File: Z175458.D
Acq: 10 Sep 2025 2:19 pm

Tgt Ion:178 Resp: 4290

Ion	Ratio	Lower	Upper
178	100		
179	17.5	0.0	44.8
176	18.7	0.0	48.7

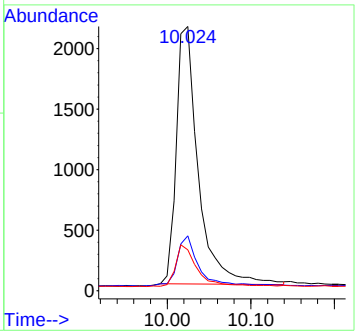


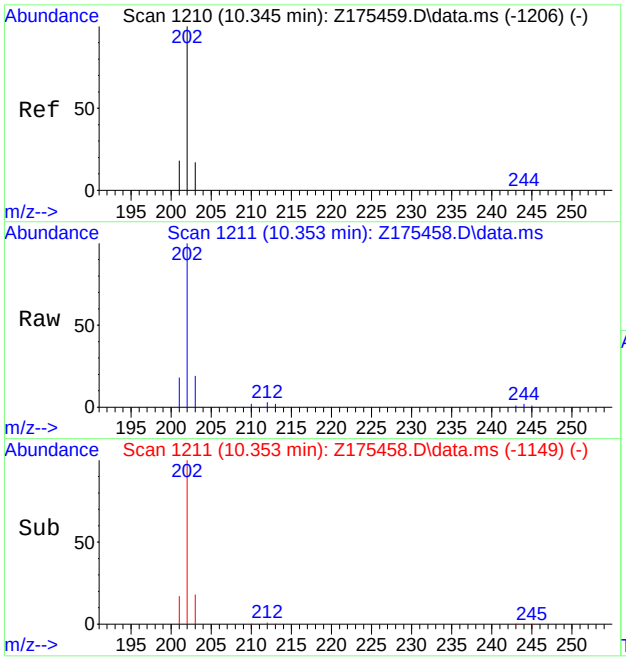


#24
Fluoranthene
Concen: 99.32 ppb
RT: 10.024 min Scan# 1171
Delta R.T. 0.008 min
Lab File: Z175458.D
Acq: 10 Sep 2025 2:19 pm

Tgt Ion:202 Resp: 3901

Ion	Ratio	Lower	Upper
202	100		
203	19.0	0.0	46.4
201	14.1	0.0	45.1

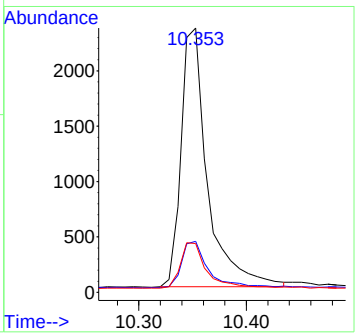


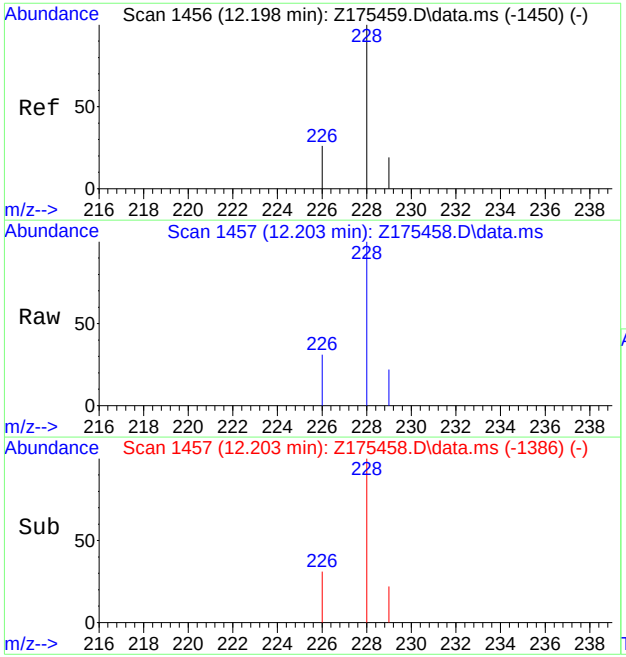


#25
Pyrene
Concen: 96.84 ppb
RT: 10.353 min Scan# 1211
Delta R.T. 0.008 min
Lab File: Z175458.D
Acq: 10 Sep 2025 2:19 pm

Tgt Ion:202 Resp: 4004

Ion	Ratio	Lower	Upper
202	100		
203	17.8	0.0	47.4
201	17.2	0.0	47.8

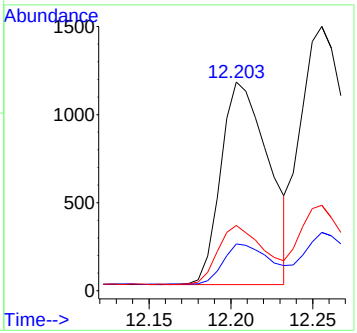


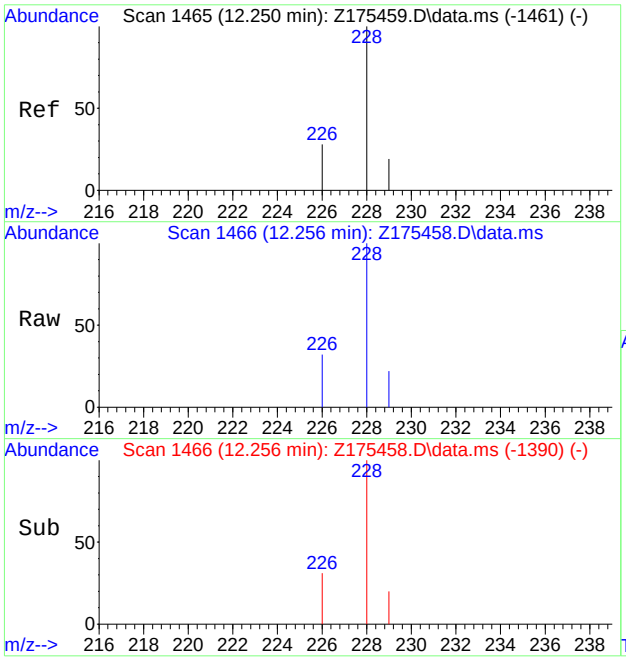


#27
Benzo[a]anthracene
Concen: 89.28 ppb
RT: 12.203 min Scan# 1457
Delta R.T. 0.006 min
Lab File: Z175458.D
Acq: 10 Sep 2025 2:19 pm

Tgt Ion:228 Resp: 2340

Ion	Ratio	Lower	Upper
228	100		
229	19.5	0.0	49.3
226	29.6	0.0	55.6

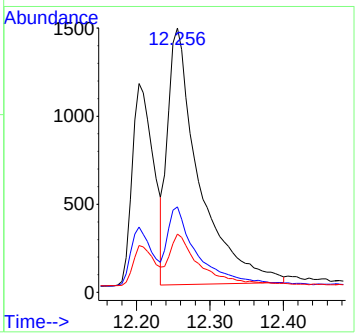


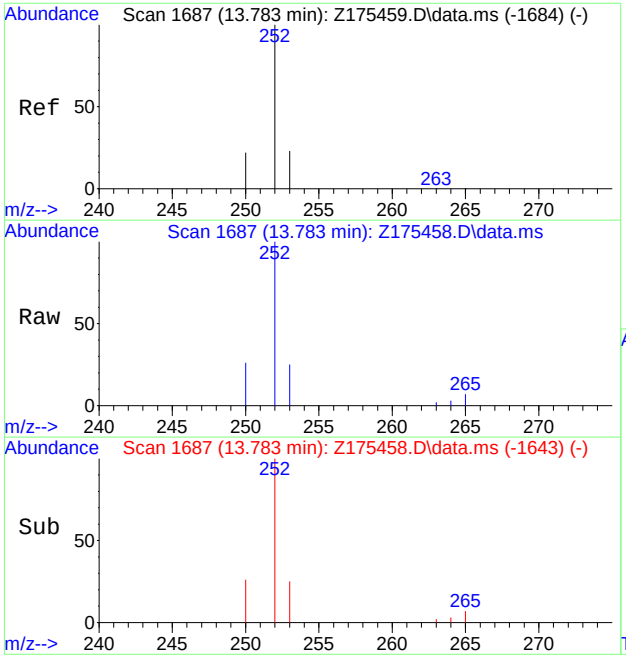


#28
Chrysene
Concen: 96.54 ppb
RT: 12.256 min Scan# 1466
Delta R.T. 0.006 min
Lab File: Z175458.D
Acq: 10 Sep 2025 2:19 pm

Tgt Ion:228 Resp: 4345

Ion	Ratio	Lower	Upper
228	100		
226	31.5	0.0	58.4
229	19.7	0.0	49.1

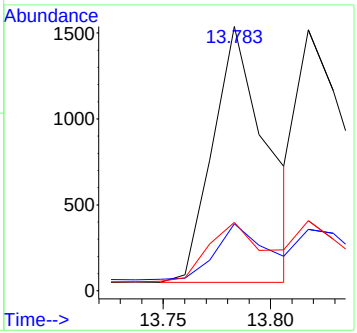


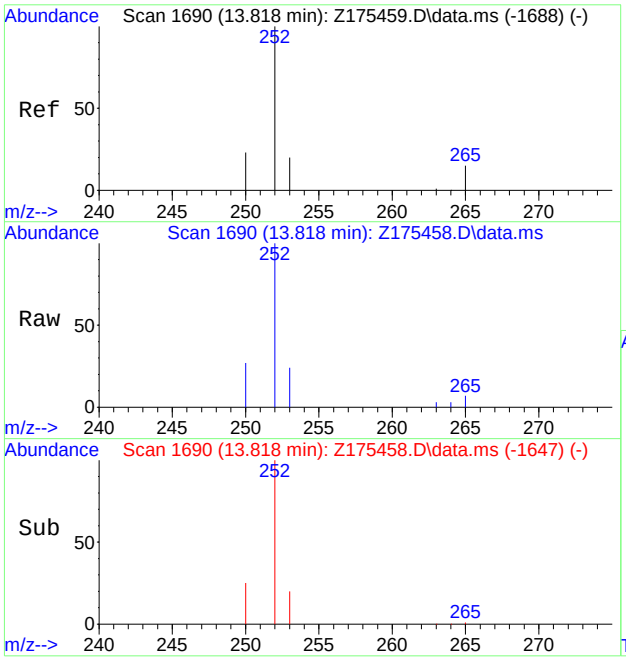


#30
Benzo[b]fluoranthene
Concen: 112.21 ppb
RT: 13.783 min Scan# 1687
Delta R.T. -0.000 min
Lab File: Z175458.D
Acq: 10 Sep 2025 2:19 pm

Tgt Ion:252 Resp: 2606

Ion	Ratio	Lower	Upper
252	100		
253	22.2	0.0	52.6
250	21.8	0.0	51.9

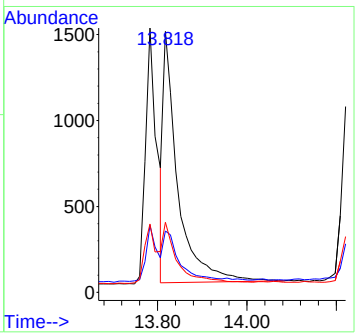


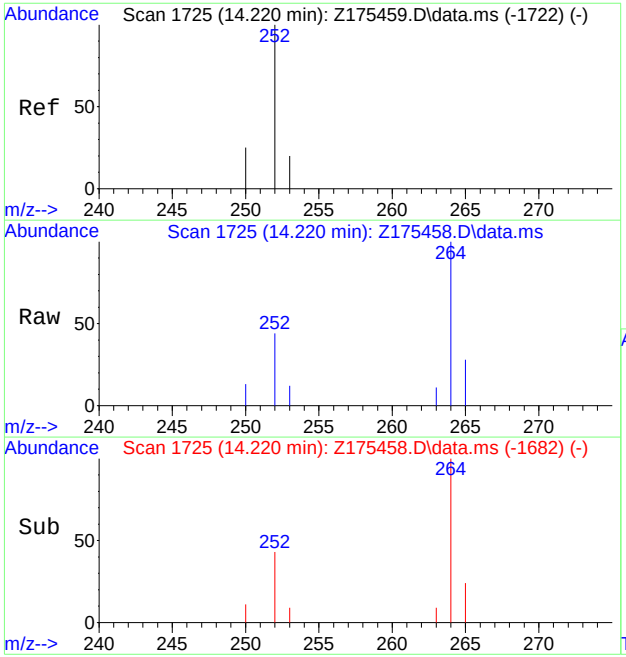


#31
Benzo[k]fluoranthene
Concen: 90.37 ppb
RT: 13.818 min Scan# 1690
Delta R.T. -0.000 min
Lab File: Z175458.D
Acq: 10 Sep 2025 2:19 pm

Tgt Ion:252 Resp: 3312

Ion	Ratio	Lower	Upper
252	100		
253	19.6	0.0	51.0
250	23.1	0.0	53.1

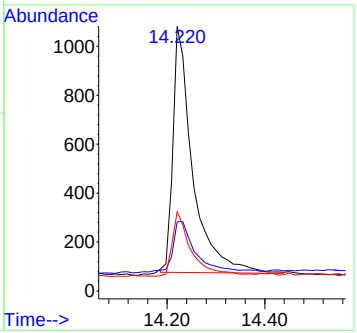


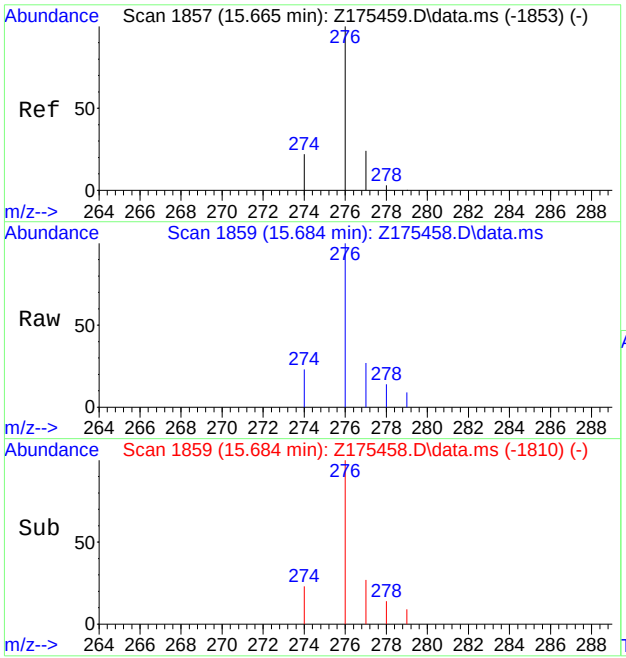


#32
Benzo[a]pyrene
Concen: 101.01 ppb
RT: 14.220 min Scan# 1725
Delta R.T. -0.000 min
Lab File: Z175458.D
Acq: 10 Sep 2025 2:19 pm

Tgt Ion:252 Resp: 2830

Ion	Ratio	Lower	Upper
252	100		
253	20.0	0.0	50.2
250	26.1	0.0	54.3

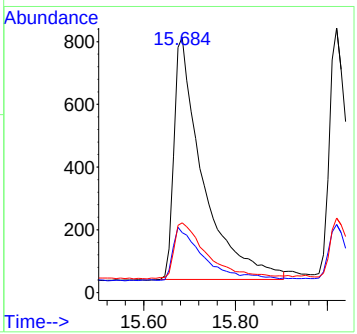


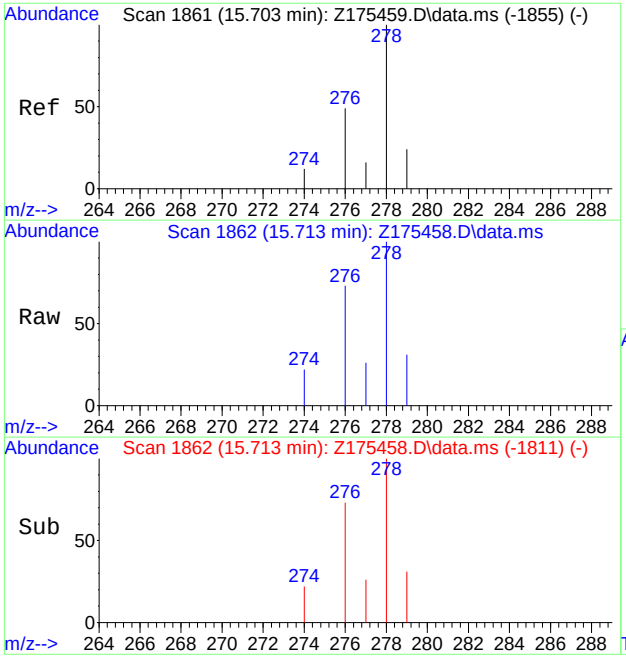


#33
Indeno[1,2,3-cd]pyrene
Concen: 106.24 ppb
RT: 15.684 min Scan# 1859
Delta R.T. 0.019 min
Lab File: Z175458.D
Acq: 10 Sep 2025 2:19 pm

Tgt Ion:276 Resp: 3368

Ion	Ratio	Lower	Upper
276	100		
274	19.6	0.0	51.7
277	22.6	0.0	53.6

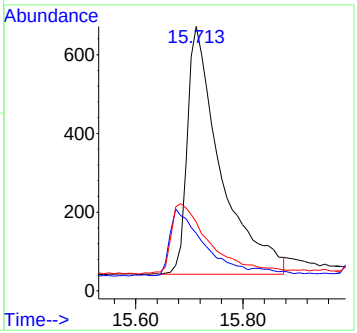


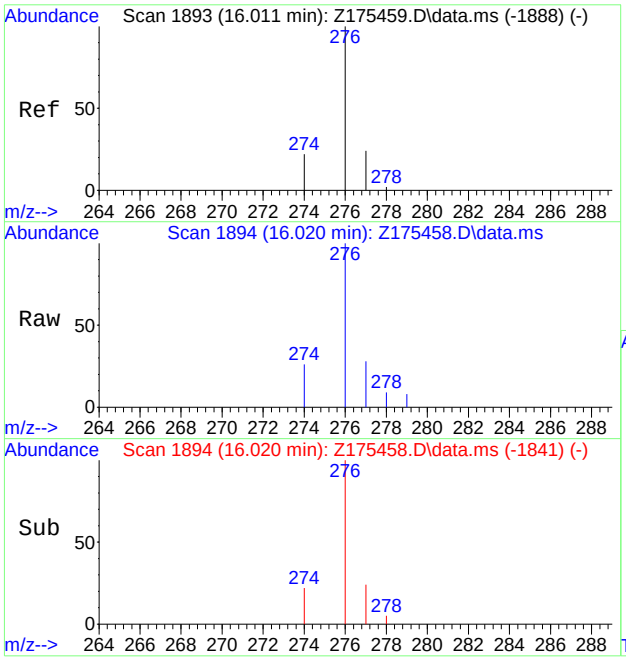


#34
Dibenz[a,h]anthracene
Concen: 103.78 ppb
RT: 15.713 min Scan# 1862
Delta R.T. 0.010 min
Lab File: Z175458.D
Acq: 10 Sep 2025 2:19 pm

Tgt Ion:278 Resp: 2725

Ion	Ratio	Lower	Upper
278	100		
274	16.5	0.0	44.0
277	20.5	0.0	46.5

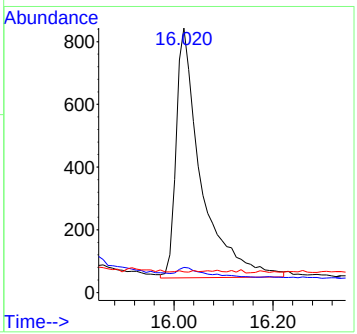




#35
Benzo[g,h,i]perylene
Concen: 101.47 ppb
RT: 16.020 min Scan# 1894
Delta R.T. 0.010 min
Lab File: Z175458.D
Acq: 10 Sep 2025 2:19 pm

Tgt Ion:276 Resp: 2806

Ion	Ratio	Lower	Upper
276	100		
278	3.1	0.0	32.8
279	0.0	0.0	30.0



Manual Integration Approval Summary

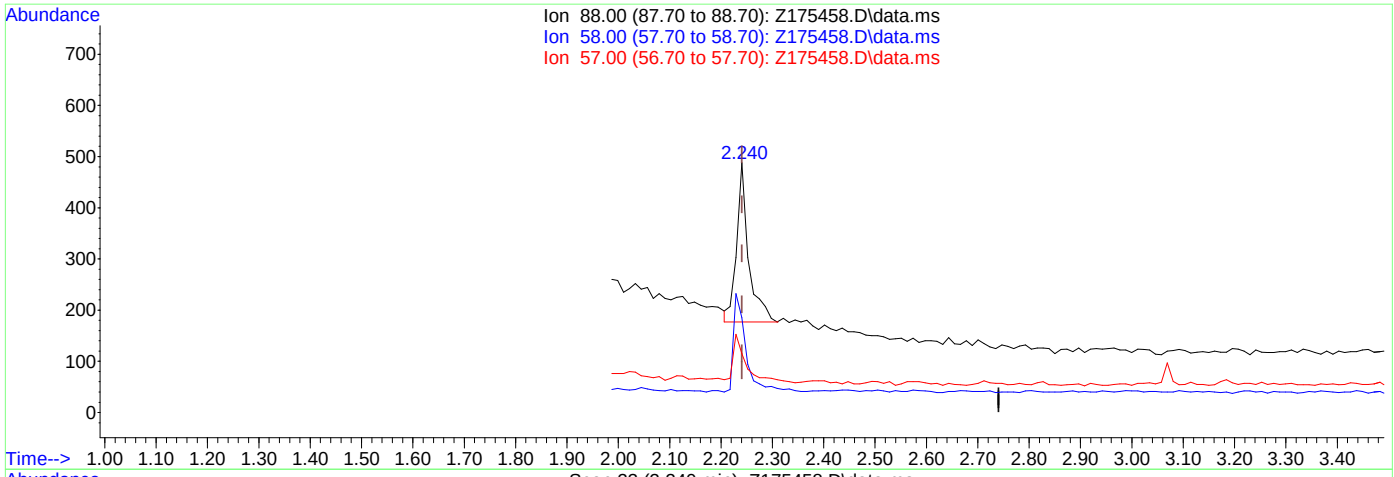
Sample Number: EZ8654-IC8654
Lab FileID: Z175458.D
Injection Time: 09/10/25 14:19
Method: SW846 8270E BY SIM
Analyst approved: 09/11/25 12:07 Ying Li
Supervisor approved: 09/15/25 15:51 Nina Pandya

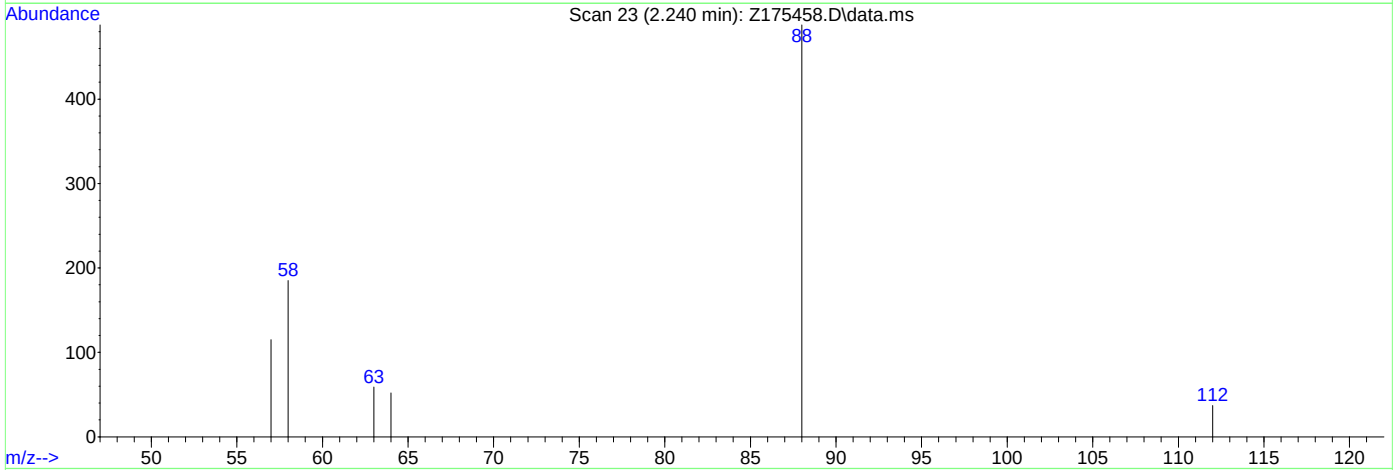
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,4-Dioxane	123-91-1		2.24	Poor instrument integration
4,6-Dinitro-o-cresol	534-52-1		7.44	Poor instrument integration
Pentachlorophenol	87-86-5		8.19	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175458.D
Acq On : 10 Sep 2025 2:19 pm
Operator : rocquans
Sample : ic8654-0.1
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 10 16:30:41 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175458.D\data.ms

(2) 1,4-Dioxane (t)

2.240min (-0.000) 110.67ppb

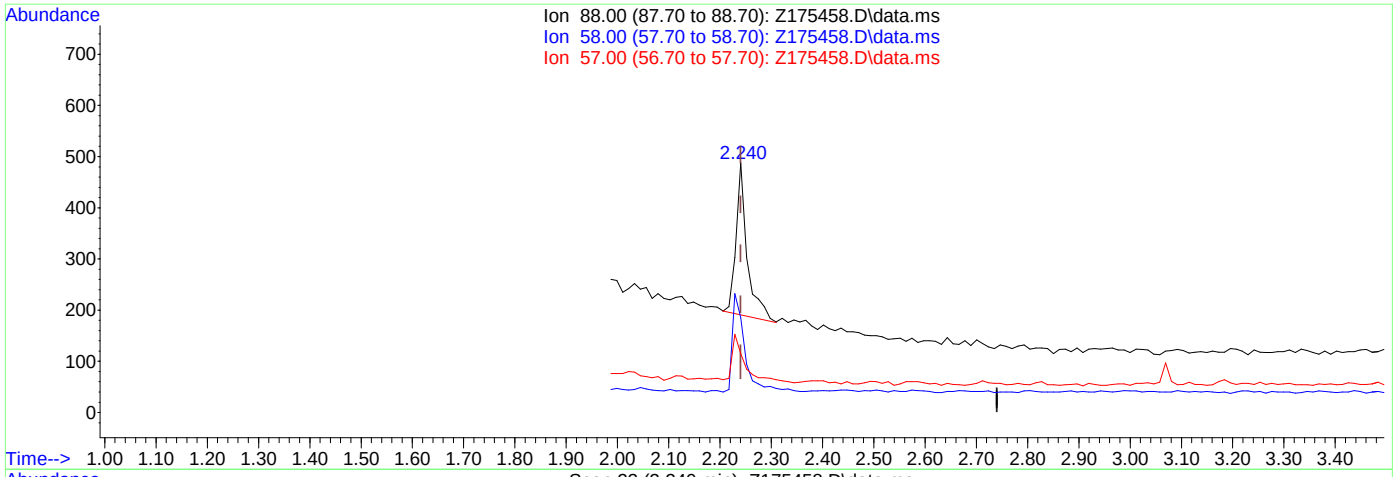
response 503

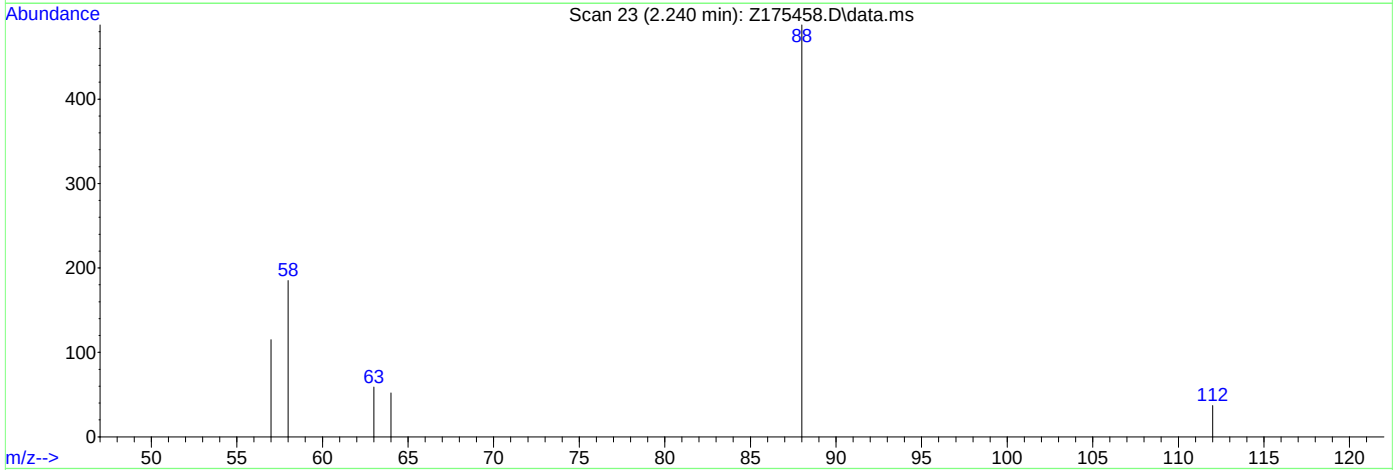
Ion	Exp%	Act%
88.00	100	100
58.00	35.60	47.09
57.00	20.00	16.97
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175458.D
Acq On : 10 Sep 2025 2:19 pm
Operator : rocquans
Sample : ic8654-0.1
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 10 16:30:41 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175458.D\data.ms

(2) 1,4-Dioxane (t)

2.240min (-0.000) 97.03ppb m

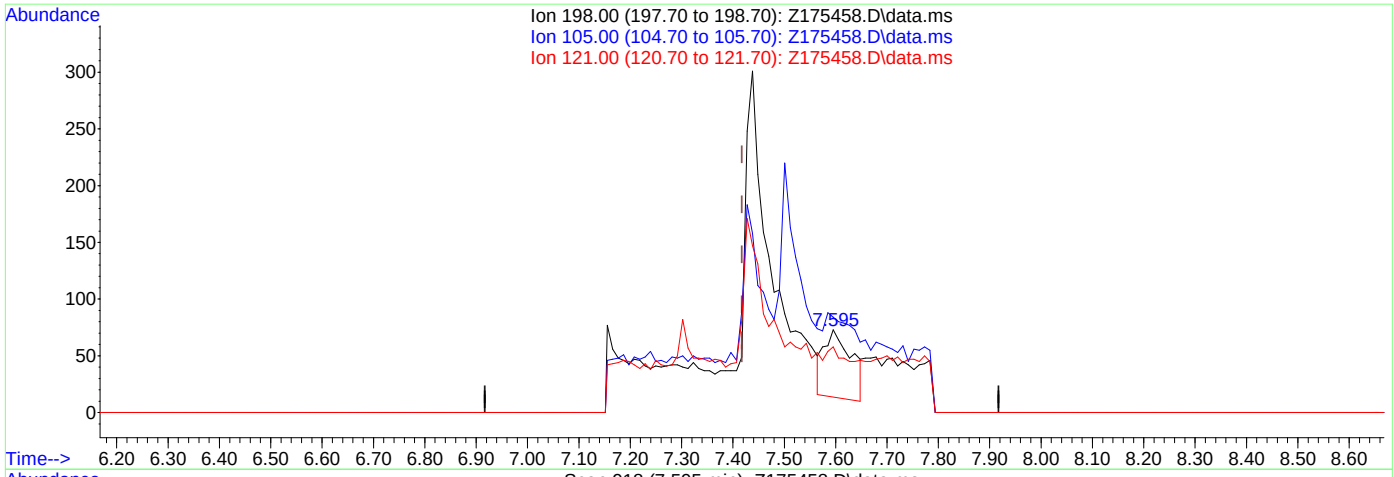
response 441

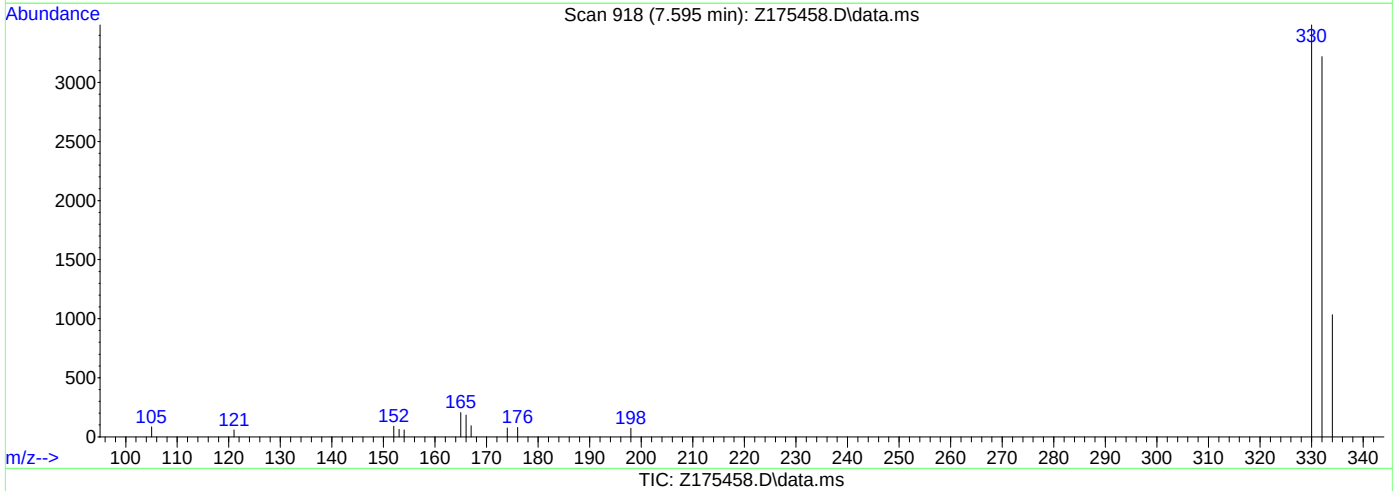
Ion	Exp%	Act%
88.00	100	100
58.00	35.60	37.91
57.00	20.00	23.57
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175458.D
Acq On : 10 Sep 2025 2:19 pm
Operator : rocquans
Sample : ic8654-0.1
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 10 16:30:41 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175458.D\data.ms

(17) 4,6-dinitro-2-methylphenol

7.595min (+0.178) 113.23ppb

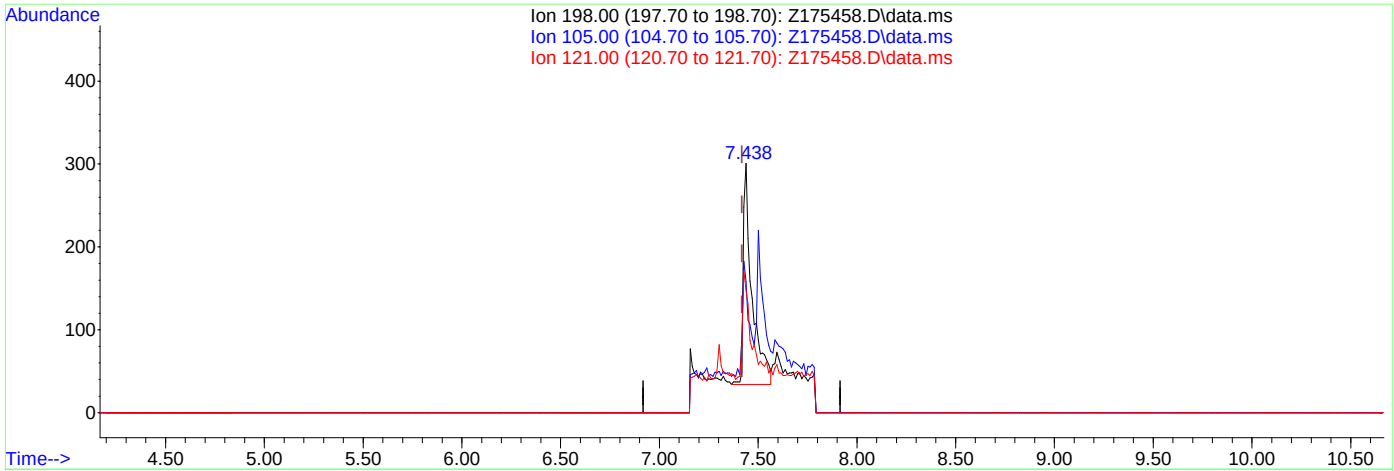
response 222

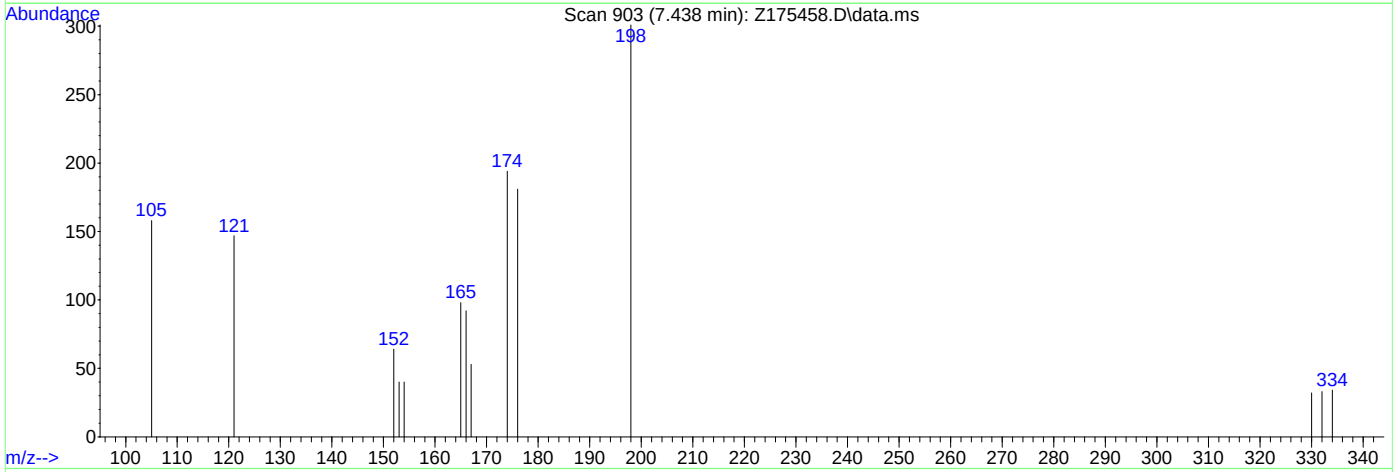
Ion	Exp%	Act%
198.00	100	100
105.00	45.60	65.31
121.00	49.80	34.69
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175458.D
Acq On : 10 Sep 2025 2:19 pm
Operator : rocquans
Sample : ic8654-0.1
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 10 16:30:41 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175458.D\data.ms

(17) 4,6-dinitro-2-methylphenol

7.438min (+0.021) 414.15ppb m

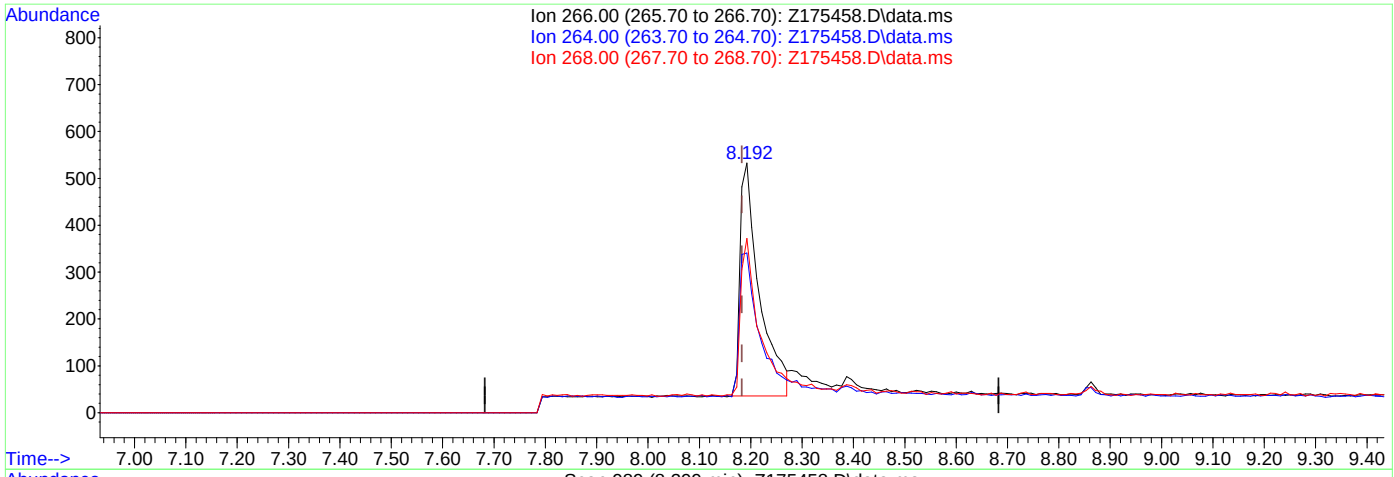
response 812

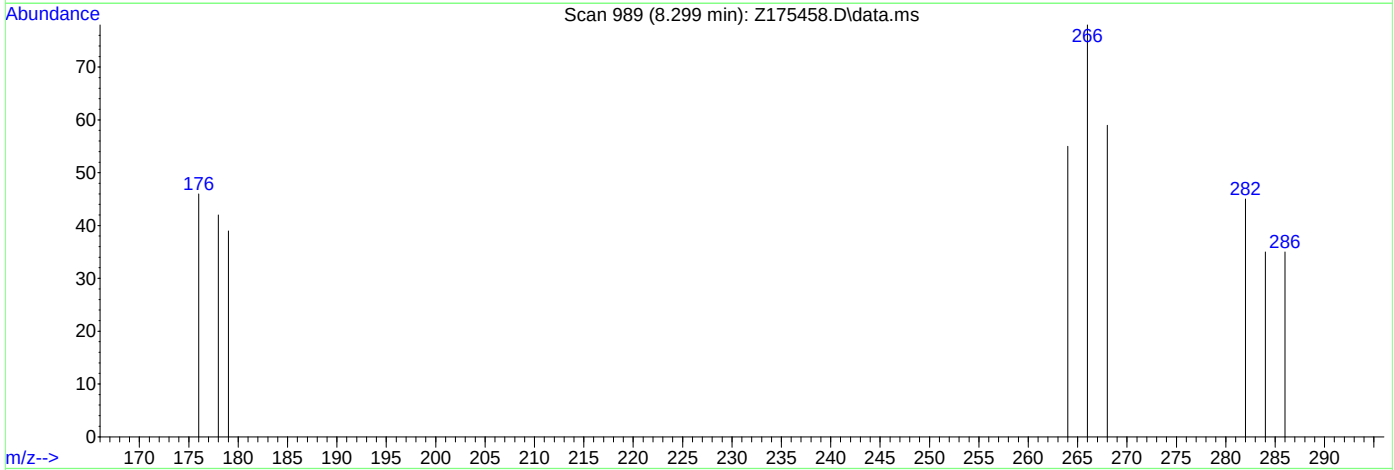
Ion	Exp%	Act%
198.00	100	100
105.00	45.60	52.49
121.00	49.80	48.84
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175458.D
Acq On : 10 Sep 2025 2:19 pm
Operator : rocquans
Sample : ic8654-0.1
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 10 16:30:41 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175458.D\data.ms

(21) Pentachlorophenol (t)

8.192min (+0.010) 418.93ppb

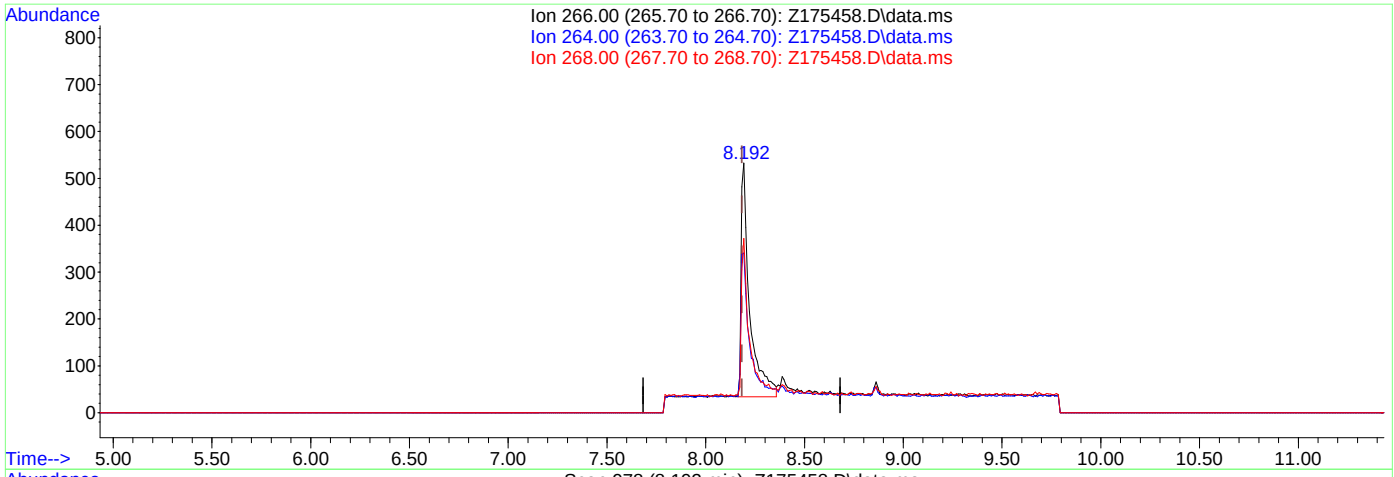
response 1303

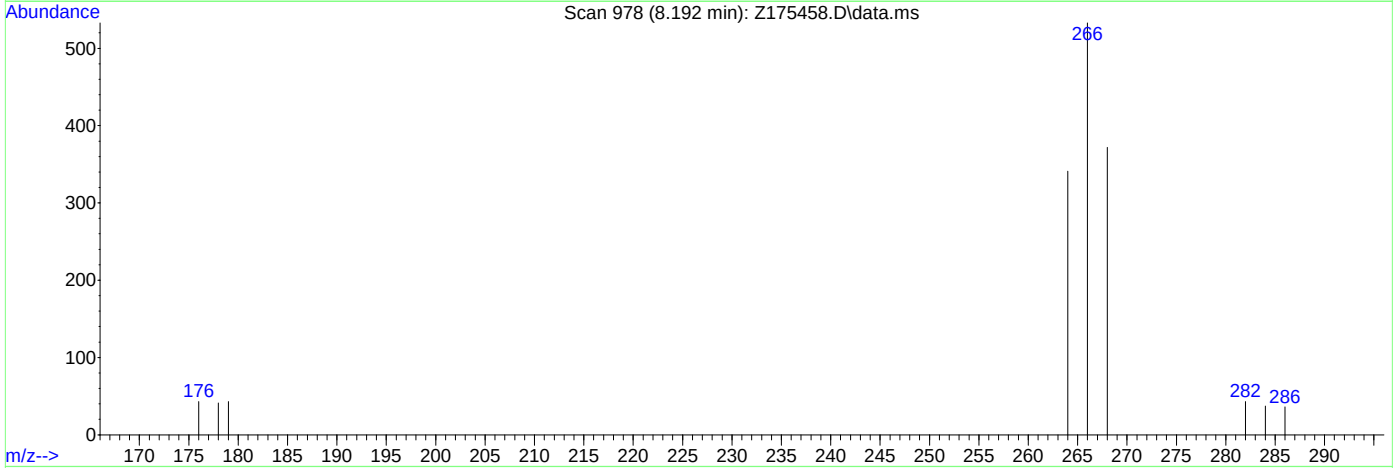
Ion	Exp%	Act%
266.00	100	100
264.00	60.80	61.42
268.00	66.30	67.27
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175458.D
Acq On : 10 Sep 2025 2:19 pm
Operator : rocquans
Sample : ic8654-0.1
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 10 16:30:41 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175458.D\data.ms

(21) Pentachlorophenol (t)

8.192min (+0.010) 486.44ppb m

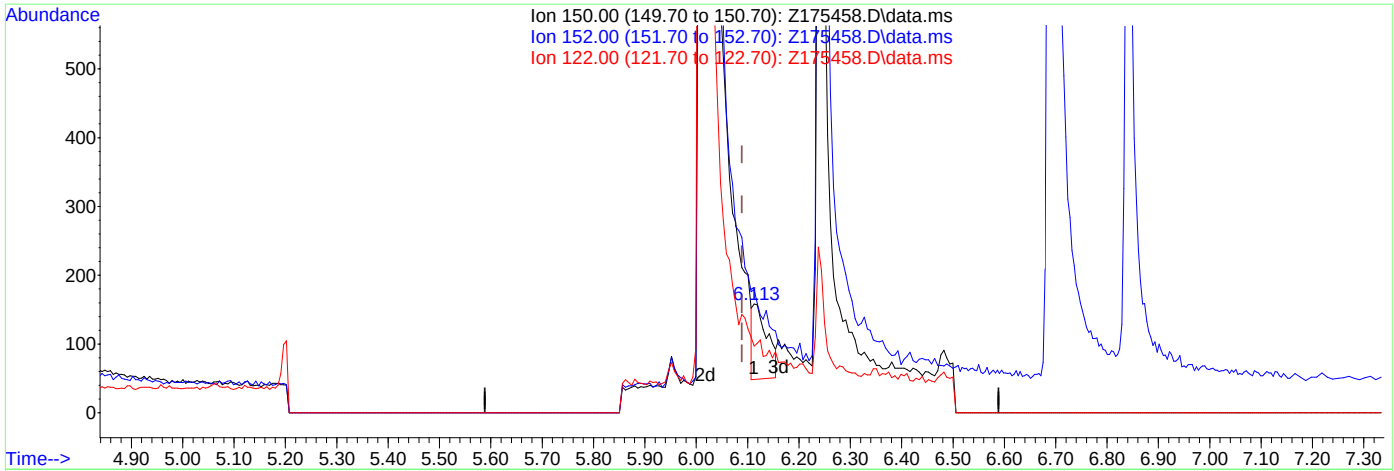
response 1513

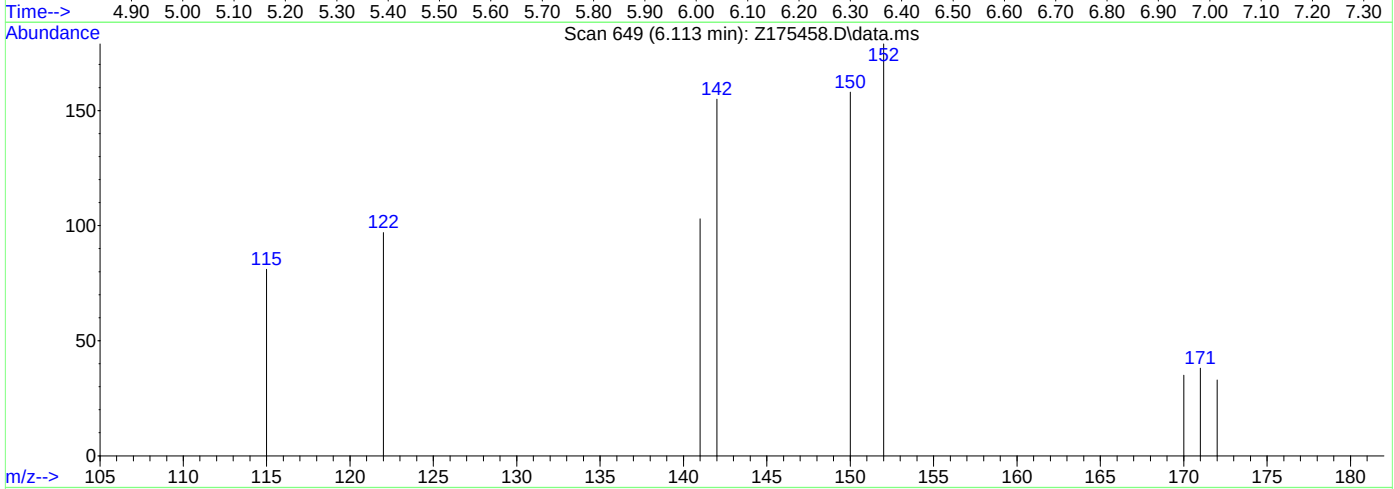
Ion	Exp%	Act%
266.00	100	100
264.00	60.80	63.98
268.00	66.30	69.79
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175458.D
Acq On : 10 Sep 2025 2:19 pm
Operator : rocquans
Sample : ic8654-0.1
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 10 16:32:12 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175458.D\data.ms

(36) 1-Methylnaphthalene-d10a

6.113min (+0.024) 800.00ppb

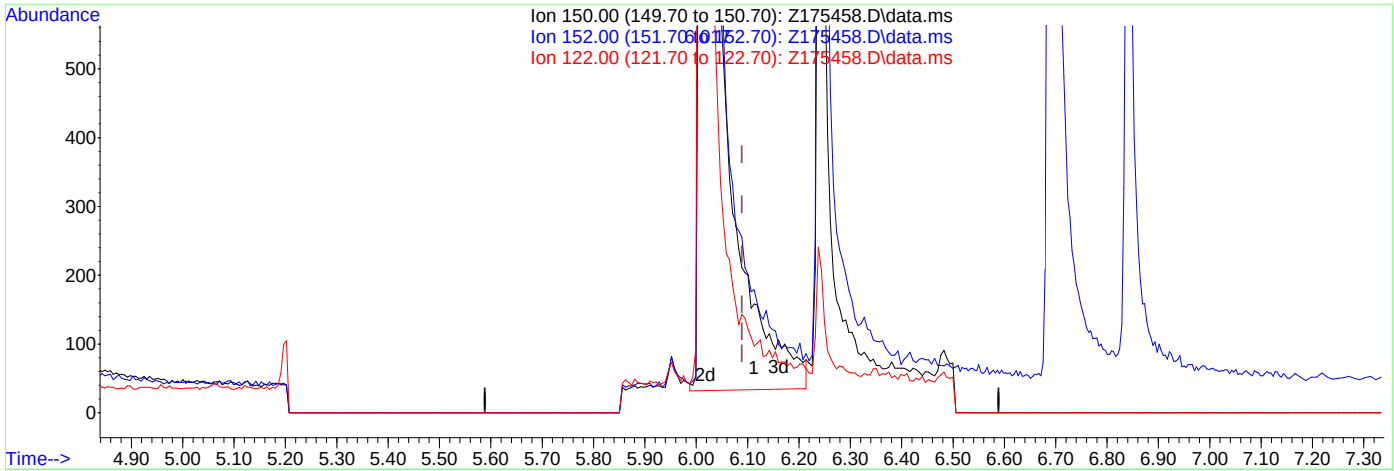
response 212

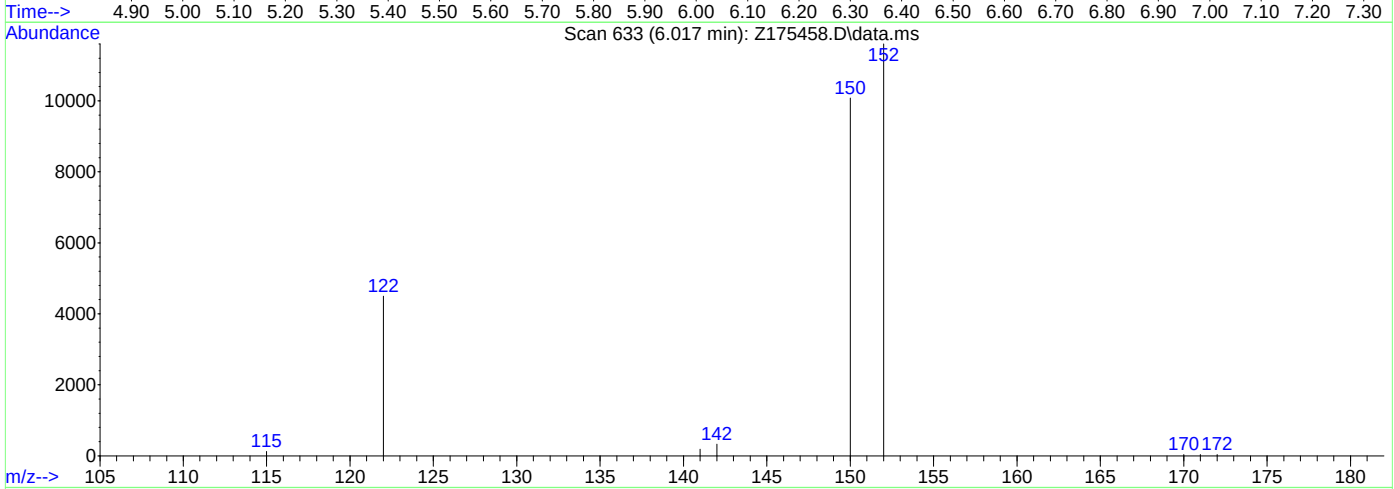
Ion	Exp%	Act%
150.00	100	100
152.00	80.50	87.50
122.00	40.20	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175458.D
Acq On : 10 Sep 2025 2:19 pm
Operator : rocquans
Sample : ic8654-0.1
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 10 16:32:12 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175458.D\data.ms

(36) 1-Methylnaphthalene-d10a

6.017min (-0.072) 800.00ppb m

response 11711

Ion	Exp%	Act%
150.00	100	100
152.00	80.50	115.14#
122.00	40.20	44.64
0.00	0.00	0.00

Z175459.D

Manual Integrations APPROVED (compounds with "m" flag)

Nina Pandya
09/15/25 15:51

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175459.D
Acq On : 10 Sep 2025 2:44 pm
Operator : rocquans
Sample : icc8654-0.2
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 11 11:57:05 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	6.011	150	10983	800.00	ppb	0.00
12) Fluorene-d10	7.302	176	15035	800.00	ppb	0.00
19) Fluoranthene-d10	9.992	212	24964	800.00	ppb	0.00
29) Benzo(a)pyrene-d12	14.197	264	17111	800.00	ppb	0.00
36) 1-Methylnaphthalene-d10a	6.011	150	11585m	800.00	ppb	-0.08
System Monitoring Compounds						
3) 2-Fluorophenol	3.621	112	33379	4000.00	ppb	0.00
Spiked Amount 10000.000			Recovery = 40.00%			
4) Phenol-d5	4.324	99	36504	4000.00	ppb	0.00
Spiked Amount 10000.000			Recovery = 40.00%			
6) Nitrobenzene-d5	4.941	82	40535	4000.00	ppb	0.00
Spiked Amount 10000.000			Recovery = 40.00%			
13) 2-Fluorobiphenyl	6.244	172	89025	4000.00	ppb	0.00
Spiked Amount 10000.000			Recovery = 40.00%			
18) 2,4,6-Tribromophenol	7.585	330	15886	4000.00	ppb	0.00
Spiked Amount 10000.000			Recovery = 40.00%			
26) Terphenyl-d14	10.615	244	88906	4000.00	ppb	0.00
Spiked Amount 10000.000			Recovery = 40.00%			
Target Compounds						Qvalue
2) 1,4-Dioxane	2.241	88	877m	197.08	ppb	
5) Phenol	4.335	94	9252	1000.00	ppb	100
7) Naphthalene	5.472	128	6279	200.00	ppb	100
8) Hexachlorobutadiene	5.550	225	1666	200.00	ppb	100
9) 2-Methylnaphthalene	5.970	141	3896	200.00	ppb	100
10) 1-Methylnaphthalene	6.041	141	3986	200.00	ppb	100
14) Acenaphthylene	6.687	152	6435	200.00	ppb	100
15) Acenaphthene	6.841	153	4526	200.00	ppb	100
16) Fluorene	7.334	166	5215	200.00	ppb	100
17) 4,6-dinitro-2-methylph...	7.417	198	1978	1000.00	ppb	100
20) Hexachlorobenzene	7.920	284	1800	200.00	ppb	100
21) Pentachlorophenol	8.183	266	2977	1000.00	ppb	100
22) Phenanthrene	8.416	178	6317	200.00	ppb	100
23) Anthracene	8.484	178	7842	200.00	ppb	100
24) Fluoranthene	10.016	202	7519	200.00	ppb	100
25) Pyrene	10.345	202	7915	200.00	ppb	100
27) Benzo[a]anthracene	12.198	228	5017	200.00	ppb	100
28) Chrysene	12.250	228	8616	200.00	ppb	100
30) Benzo[b]fluoranthene	13.783	252	4738	200.00	ppb	100
31) Benzo[k]fluoranthene	13.818	252	7477	200.00	ppb	100
32) Benzo[a]pyrene	14.220	252	5716	200.00	ppb	100
33) Indeno[1,2,3-cd]pyrene	15.665	276	6468	200.00	ppb	100
34) Dibenz[a,h]anthracene	15.703	278	5357	200.00	ppb	100
35) Benzo[g,h,i]perylene	16.011	276	5642	200.00	ppb	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

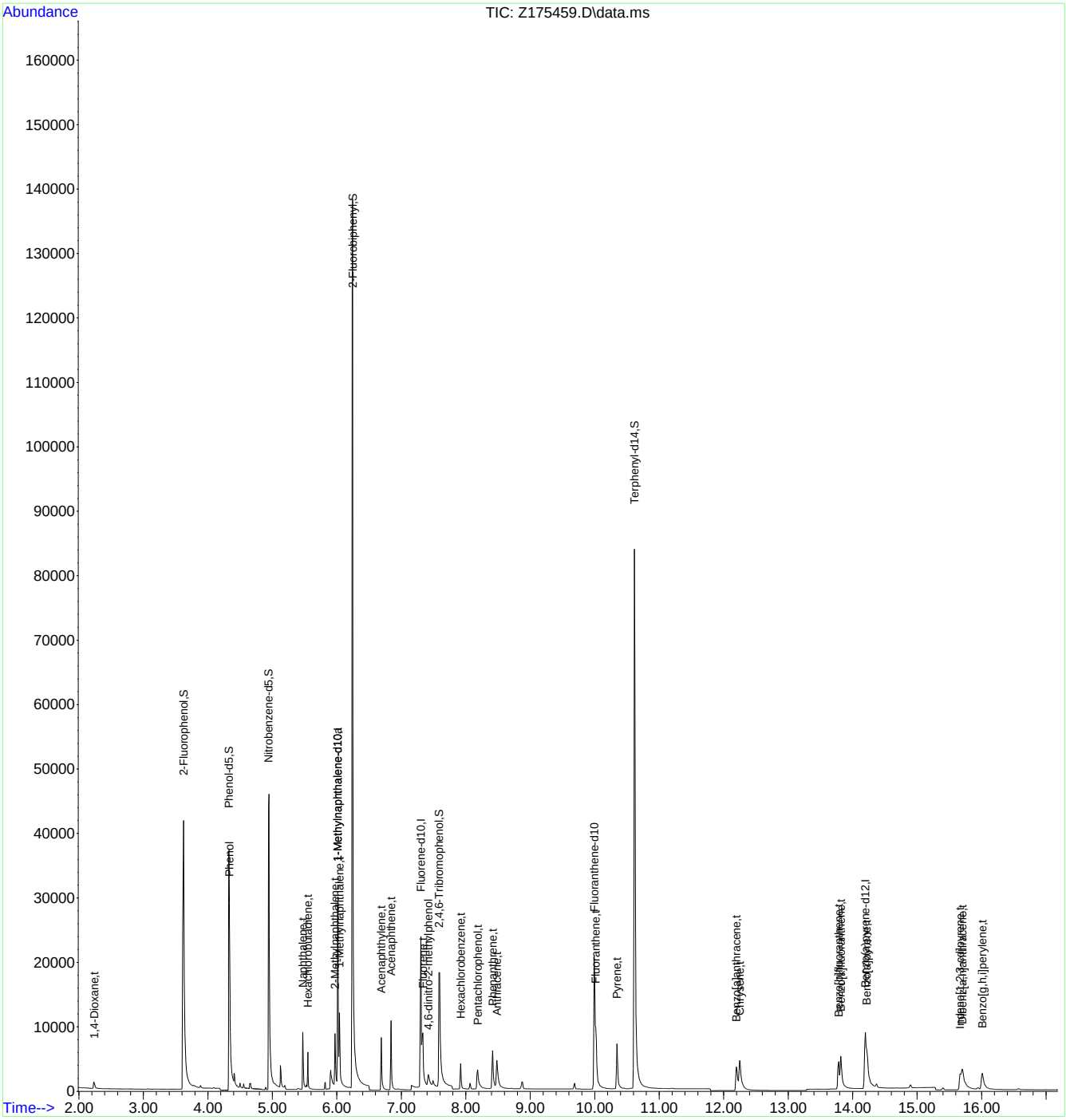
9.5.35

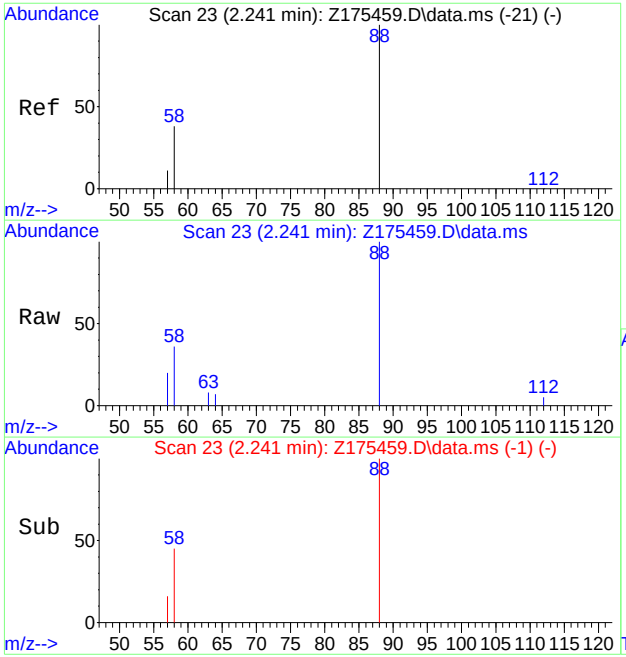
9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175459.D
Acq On : 10 Sep 2025 2:44 pm
Operator : rocquans
Sample : icc8654-0.2
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 11 11:57:05 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration

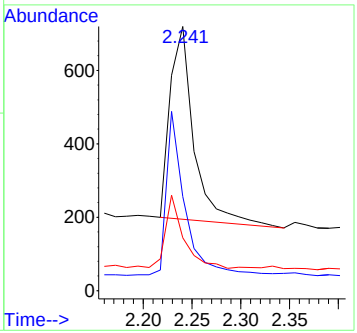


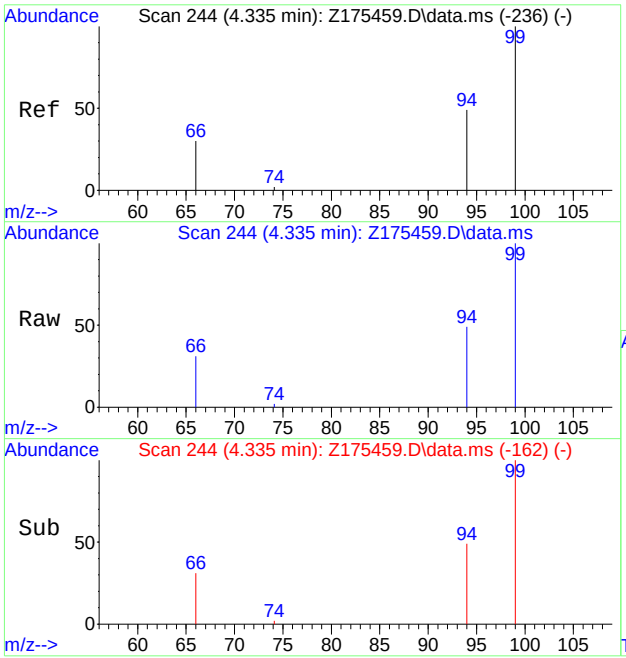


#2
1,4-Dioxane
Concen: 197.08 ppb m
RT: 2.241 min Scan# 23
Delta R.T. 0.000 min
Lab File: Z175459.D
Acq: 10 Sep 2025 2:44 pm

Tgt Ion: 88 Resp: 877

Ion	Ratio	Lower	Upper
88	100		
58	35.6	15.6	55.6
57	20.0	0.0	40.0

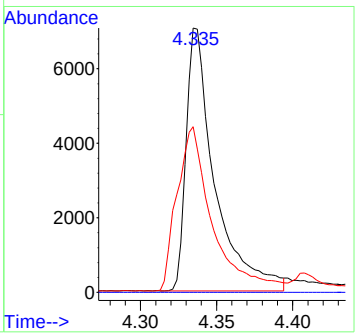


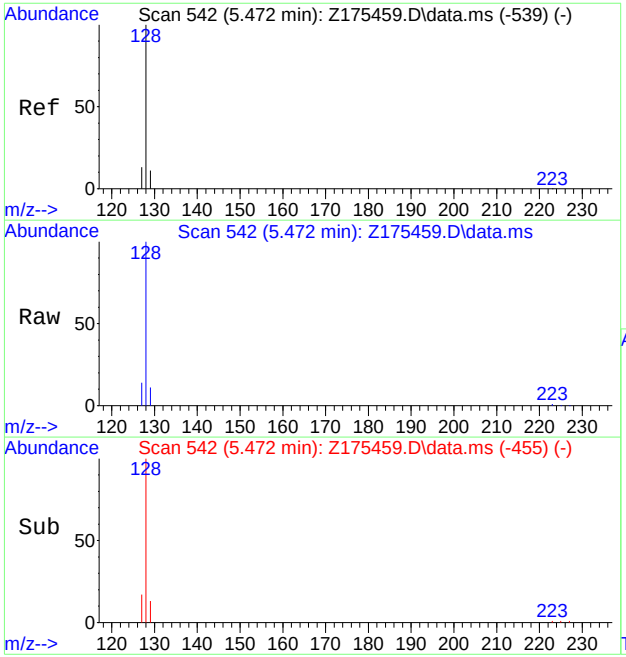


#5
Phenol
Concen: 1000.00 ppb
RT: 4.335 min Scan# 244
Delta R.T. 0.000 min
Lab File: Z175459.D
Acq: 10 Sep 2025 2:44 pm

Tgt Ion: 94 Resp: 9252

Ion	Ratio	Lower	Upper
94	100		
65	0.0	0.0	0.0
66	62.3	49.8	74.8

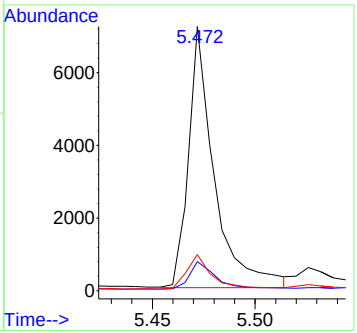


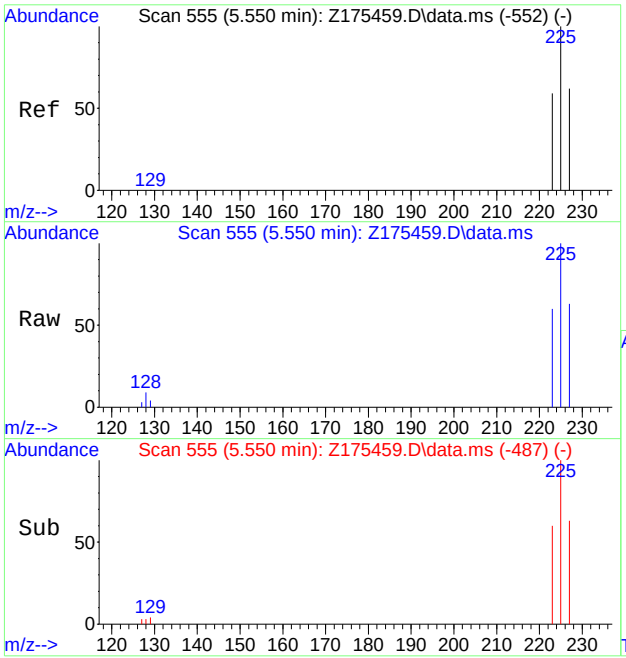


#7
Naphthalene
Concen: 200.00 ppb
RT: 5.472 min Scan# 542
Delta R.T. 0.000 min
Lab File: Z175459.D
Acq: 10 Sep 2025 2:44 pm

Tgt Ion:128 Resp: 6279

Ion	Ratio	Lower	Upper
128	100		
129	10.6	0.0	40.6
127	13.3	0.0	43.3

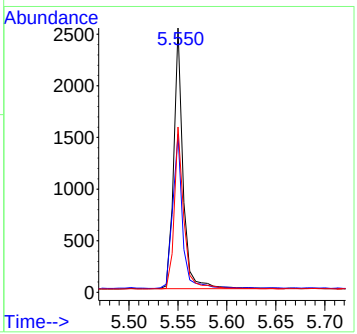


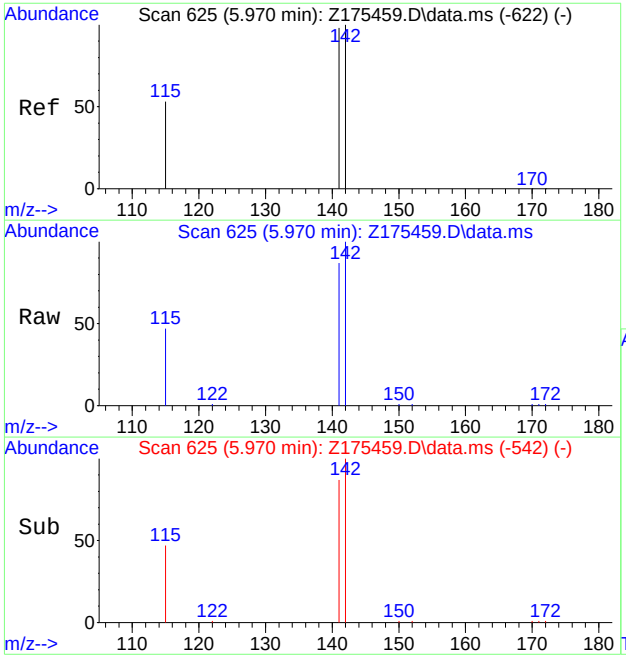


#8
Hexachlorobutadiene
Concen: 200.00 ppb
RT: 5.550 min Scan# 555
Delta R.T. 0.000 min
Lab File: Z175459.D
Acq: 10 Sep 2025 2:44 pm

Tgt Ion:225 Resp: 1666

Ion	Ratio	Lower	Upper
225	100		
223	59.0	29.0	89.0
227	62.1	32.1	92.1

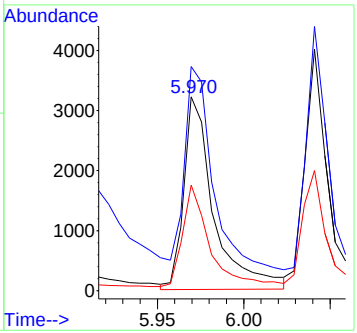


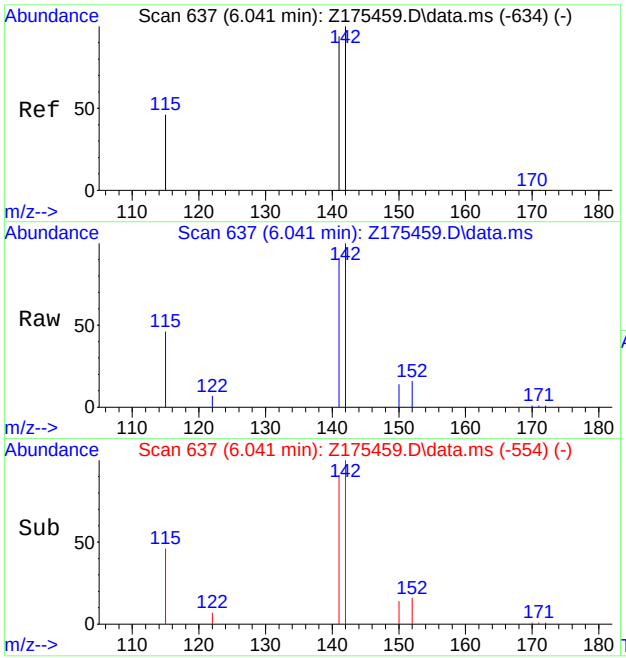


#9
2-Methylnaphthalene
Concen: 200.00 ppb
RT: 5.970 min Scan# 625
Delta R.T. 0.000 min
Lab File: Z175459.D
Acq: 10 Sep 2025 2:44 pm

Tgt Ion:141 Resp: 3896

Ion	Ratio	Lower	Upper
141	100		
142	107.1	77.1	137.1
115	54.3	24.3	84.3

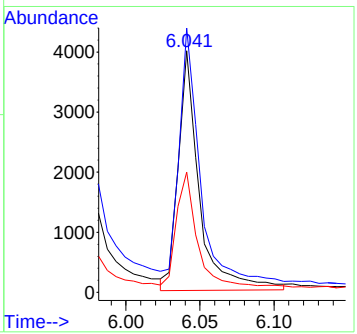




#10
1-Methylnaphthalene
Concen: 200.00 ppb
RT: 6.041 min Scan# 637
Delta R.T. 0.000 min
Lab File: Z175459.D
Acq: 10 Sep 2025 2:44 pm

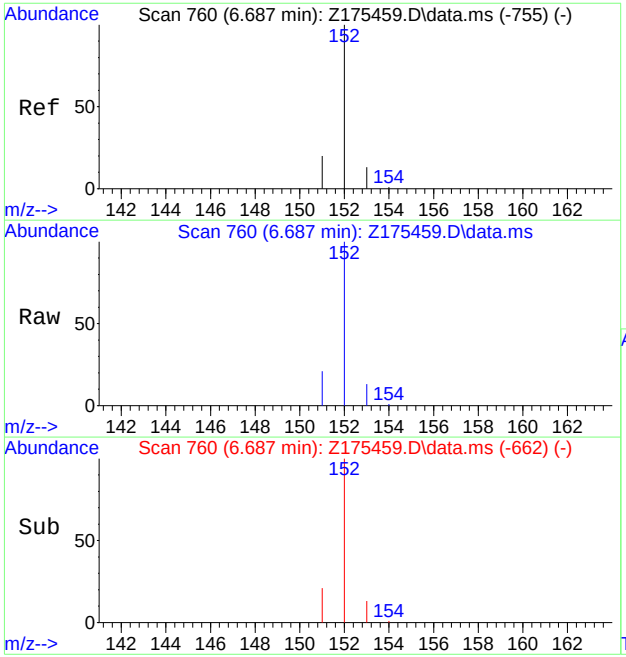
Tgt Ion:141 Resp: 3986

Ion	Ratio	Lower	Upper
141	100		
142	107.6	77.6	137.6
115	49.1	19.1	79.1



9.5.35

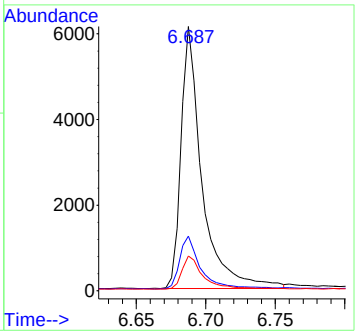
9

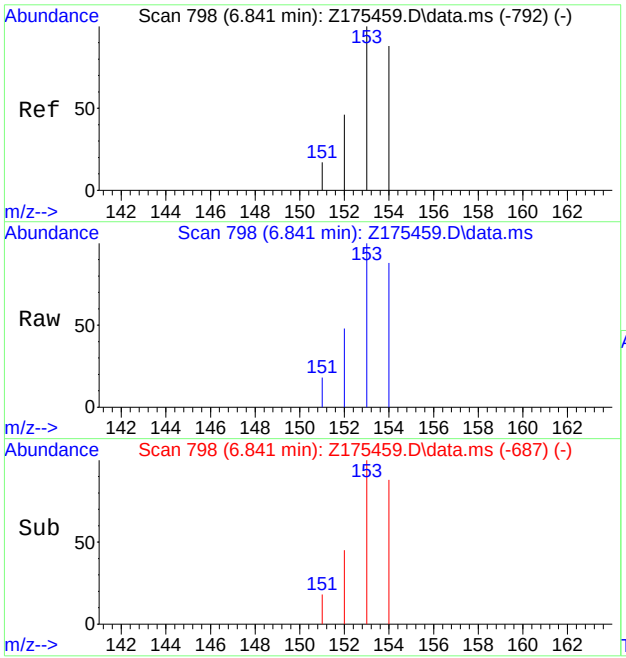


#14
Acenaphthylene
Concen: 200.00 ppb
RT: 6.687 min Scan# 760
Delta R.T. 0.000 min
Lab File: Z175459.D
Acq: 10 Sep 2025 2:44 pm

Tgt Ion:152 Resp: 6435

Ion	Ratio	Lower	Upper
152	100		
151	20.1	0.0	50.1
153	12.6	0.0	42.6

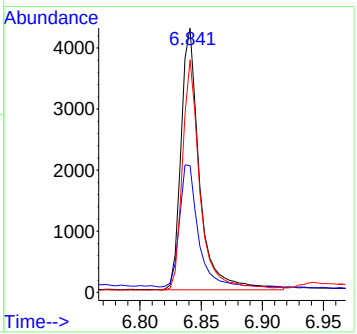


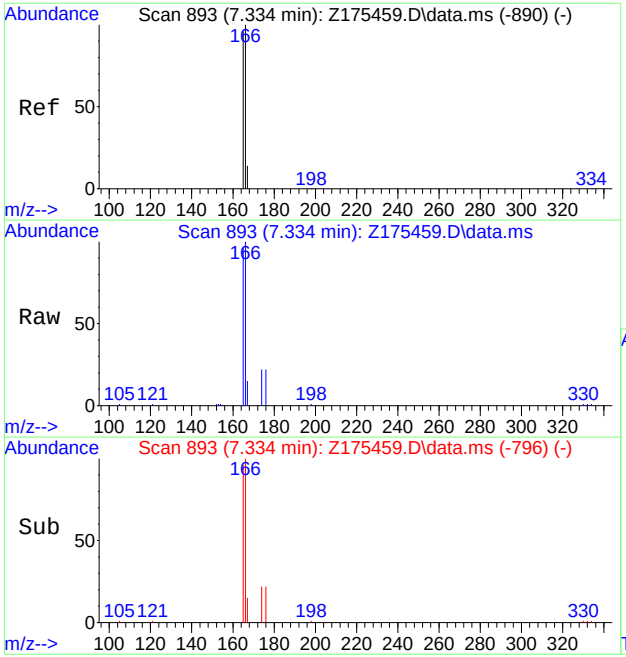


#15
Acenaphthene
Concen: 200.00 ppb
RT: 6.841 min Scan# 798
Delta R.T. 0.000 min
Lab File: Z175459.D
Acq: 10 Sep 2025 2:44 pm

Tgt Ion:153 Resp: 4526

Ion	Ratio	Lower	Upper
153	100		
152	46.6	16.6	76.6
154	87.9	57.9	117.9

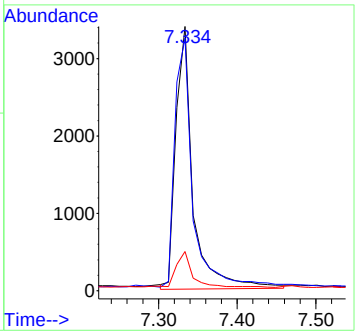


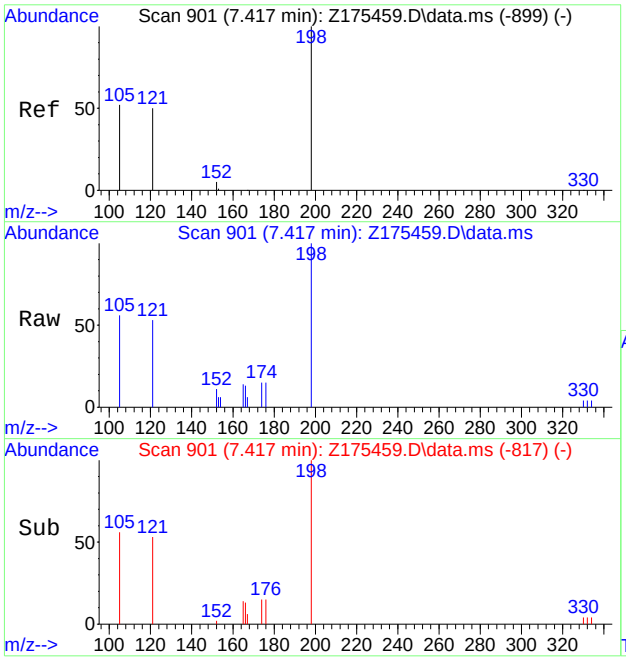


#16
Fluorene
Concen: 200.00 ppb
RT: 7.334 min Scan# 893
Delta R.T. 0.000 min
Lab File: Z175459.D
Acq: 10 Sep 2025 2:44 pm

Tgt Ion:166 Resp: 5215

Ion	Ratio	Lower	Upper
166	100		
165	95.8	65.8	125.8
167	13.5	0.0	43.5

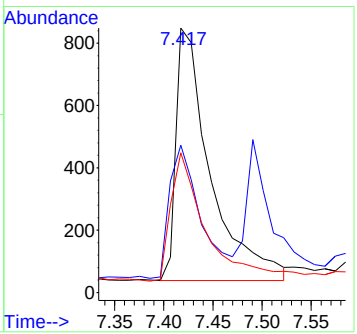


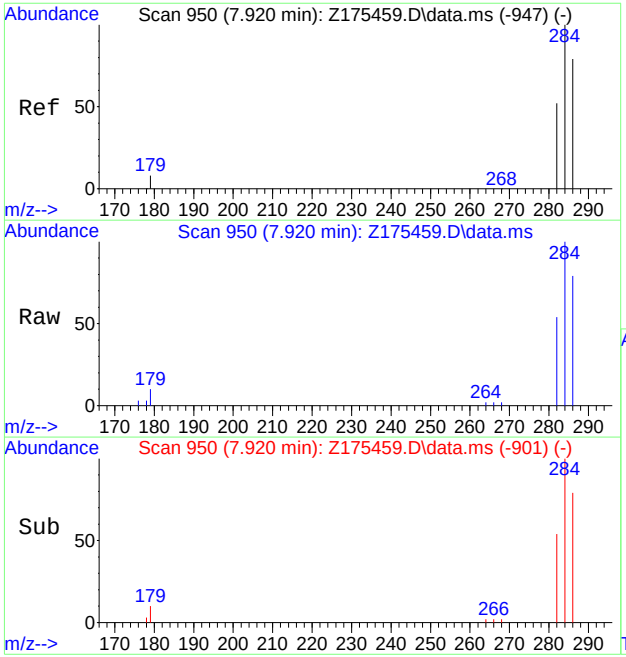


#17
4,6-dinitro-2-methylphenol
Concen: 1000.00 ppb
RT: 7.417 min Scan# 901
Delta R.T. 0.000 min
Lab File: Z175459.D
Acq: 10 Sep 2025 2:44 pm

Tgt Ion:198 Resp: 1978

Ion	Ratio	Lower	Upper
198	100		
105	45.6	25.6	65.6
121	49.8	29.8	69.8

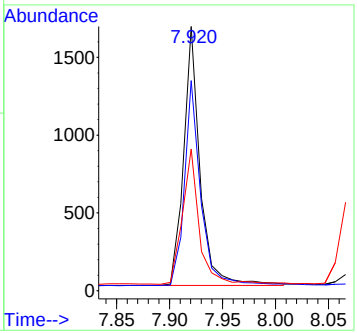


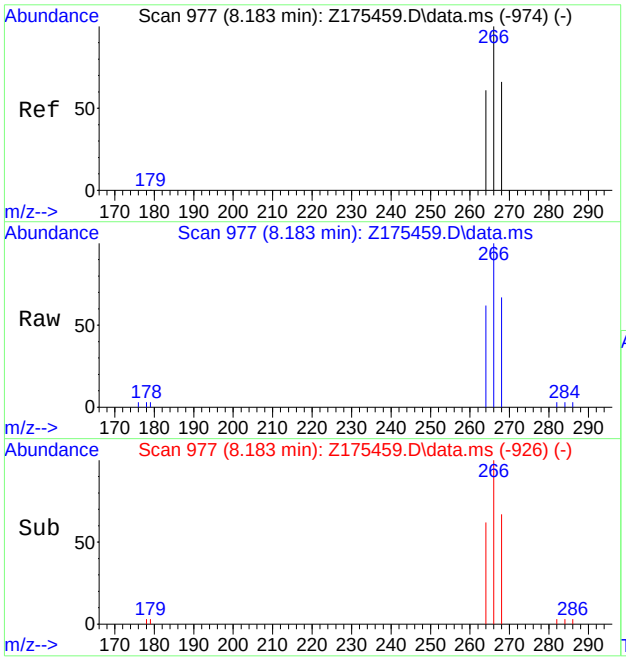


#20
Hexachlorobenzene
Concen: 200.00 ppb
RT: 7.920 min Scan# 950
Delta R.T. 0.000 min
Lab File: Z175459.D
Acq: 10 Sep 2025 2:44 pm

Tgt Ion:284 Resp: 1800

Ion	Ratio	Lower	Upper
284	100		
286	78.9	48.9	108.9
282	52.1	22.1	82.1

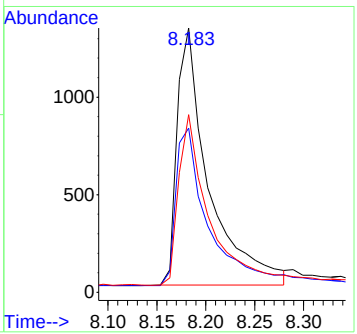


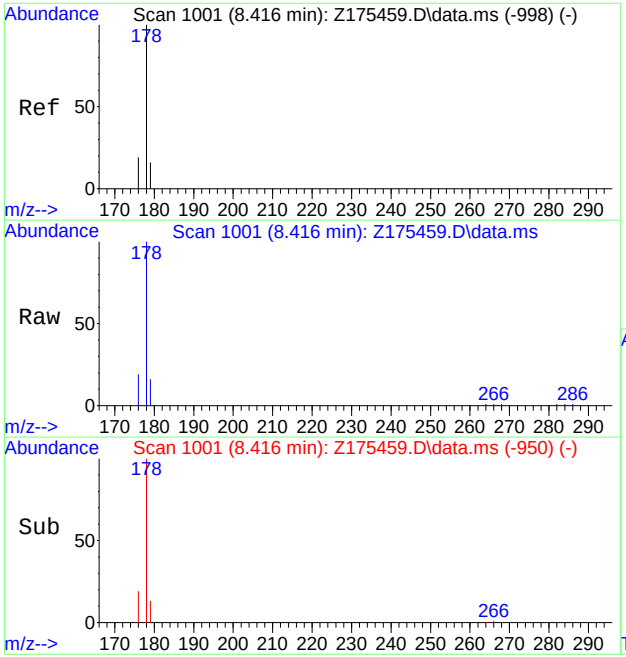


#21
Pentachlorophenol
Concen: 1000.00 ppb
RT: 8.183 min Scan# 977
Delta R.T. 0.000 min
Lab File: Z175459.D
Acq: 10 Sep 2025 2:44 pm

Tgt Ion:266 Resp: 2977

Ion	Ratio	Lower	Upper
266	100		
264	60.8	30.8	90.8
268	66.3	36.3	96.3

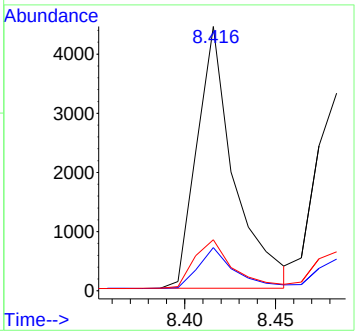


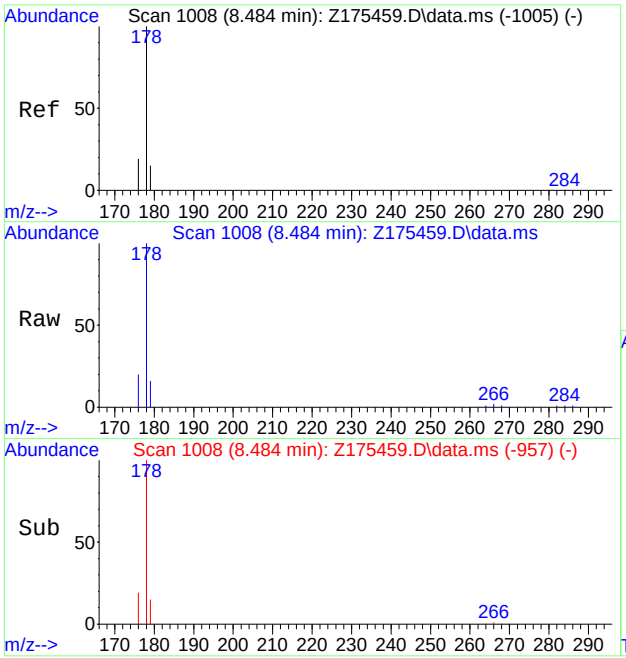


#22
Phenanthrene
Concen: 200.00 ppb
RT: 8.416 min Scan# 1001
Delta R.T. 0.000 min
Lab File: Z175459.D
Acq: 10 Sep 2025 2:44 pm

Tgt Ion:178 Resp: 6317

Ion	Ratio	Lower	Upper
178	100		
179	15.6	0.0	45.6
176	18.6	0.0	48.6

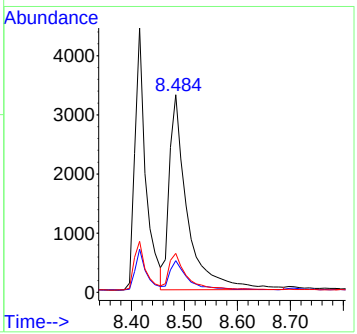


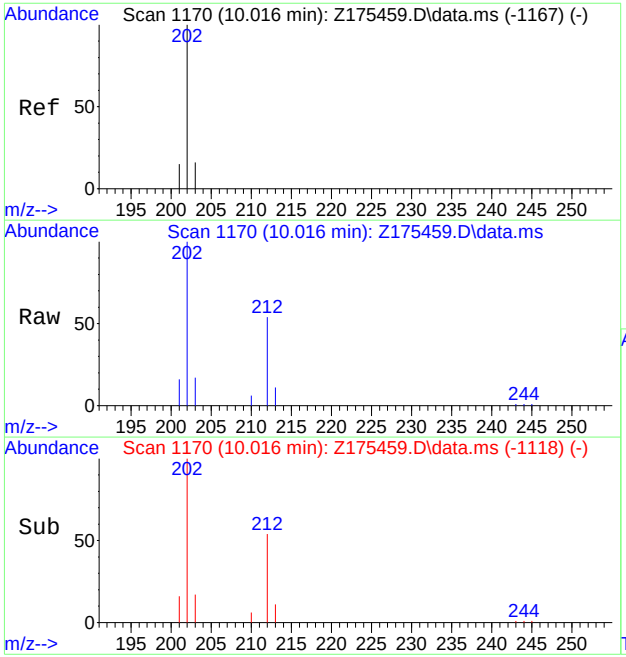


#23
Anthracene
Concen: 200.00 ppb
RT: 8.484 min Scan# 1008
Delta R.T. 0.000 min
Lab File: Z175459.D
Acq: 10 Sep 2025 2:44 pm

Tgt Ion:178 Resp: 7842

Ion	Ratio	Lower	Upper
178	100		
179	14.8	0.0	44.8
176	18.7	0.0	48.7

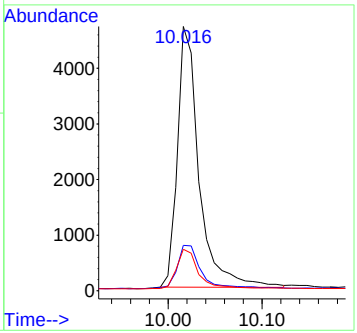


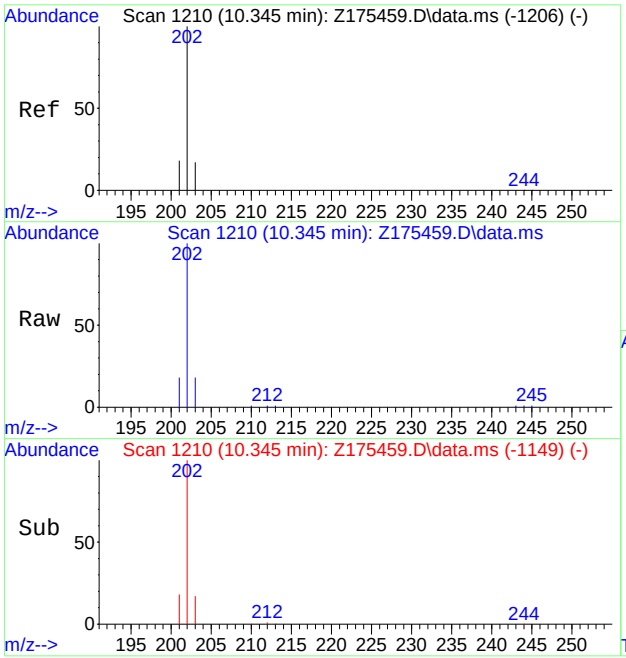


#24
Fluoranthene
Concen: 200.00 ppb
RT: 10.016 min Scan# 1170
Delta R.T. 0.000 min
Lab File: Z175459.D
Acq: 10 Sep 2025 2:44 pm

Tgt Ion:202 Resp: 7519

Ion	Ratio	Lower	Upper
202	100		
203	16.4	0.0	46.4
201	15.1	0.0	45.1

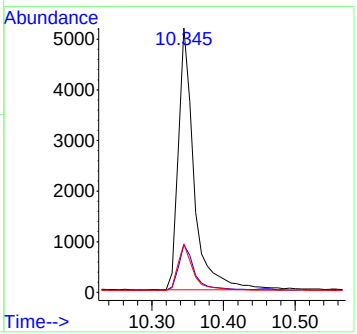


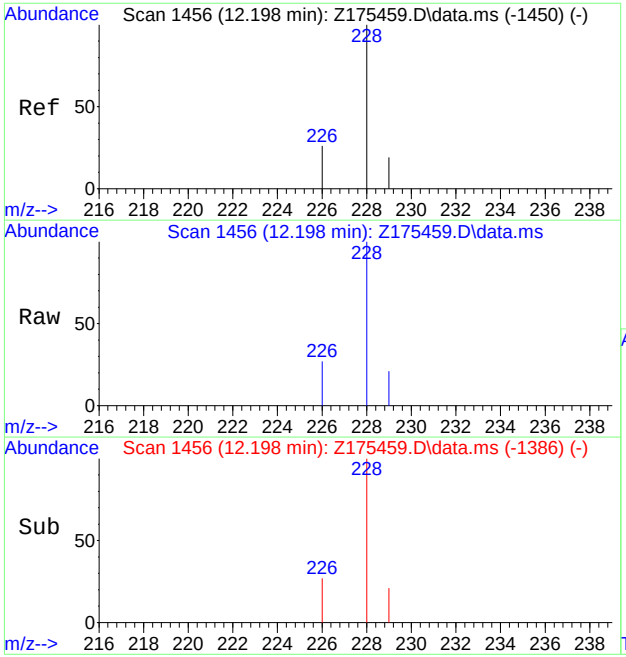


#25
Pyrene
Concen: 200.00 ppb
RT: 10.345 min Scan# 1210
Delta R.T. 0.000 min
Lab File: Z175459.D
Acq: 10 Sep 2025 2:44 pm

Tgt Ion:202 Resp: 7915

Ion	Ratio	Lower	Upper
202	100		
203	17.4	0.0	47.4
201	17.8	0.0	47.8

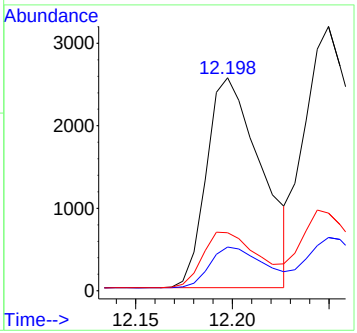


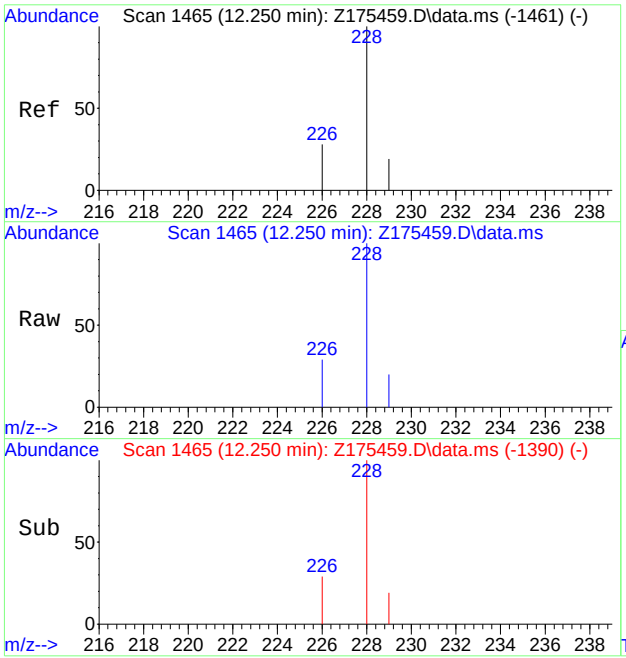


#27
Benzo[a]anthracene
Concen: 200.00 ppb
RT: 12.198 min Scan# 1456
Delta R.T. 0.000 min
Lab File: Z175459.D
Acq: 10 Sep 2025 2:44 pm

Tgt Ion:228 Resp: 5017

Ion	Ratio	Lower	Upper
228	100		
229	19.3	0.0	49.3
226	25.6	0.0	55.6

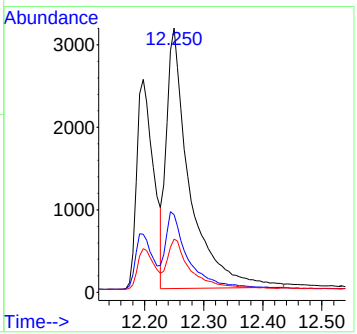


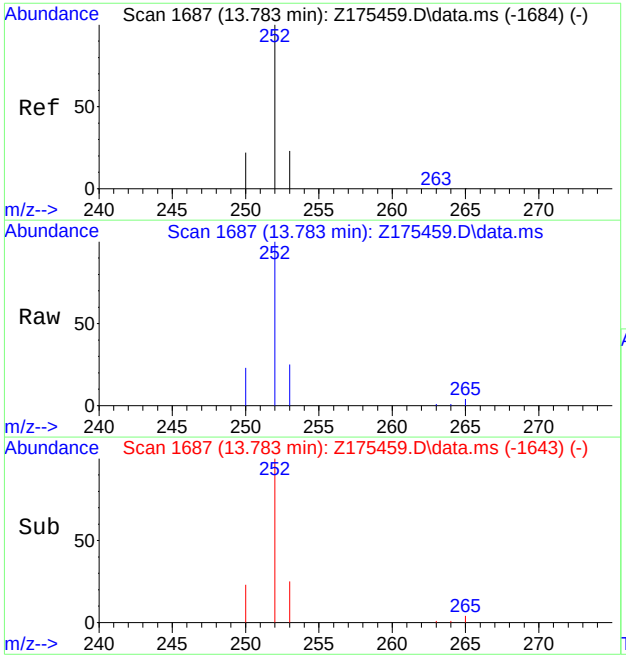


#28
Chrysene
Concen: 200.00 ppb
RT: 12.250 min Scan# 1465
Delta R.T. 0.000 min
Lab File: Z175459.D
Acq: 10 Sep 2025 2:44 pm

Tgt Ion:228 Resp: 8616

Ion	Ratio	Lower	Upper
228	100		
226	28.4	0.0	58.4
229	19.1	0.0	49.1

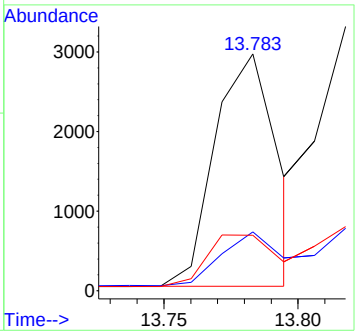


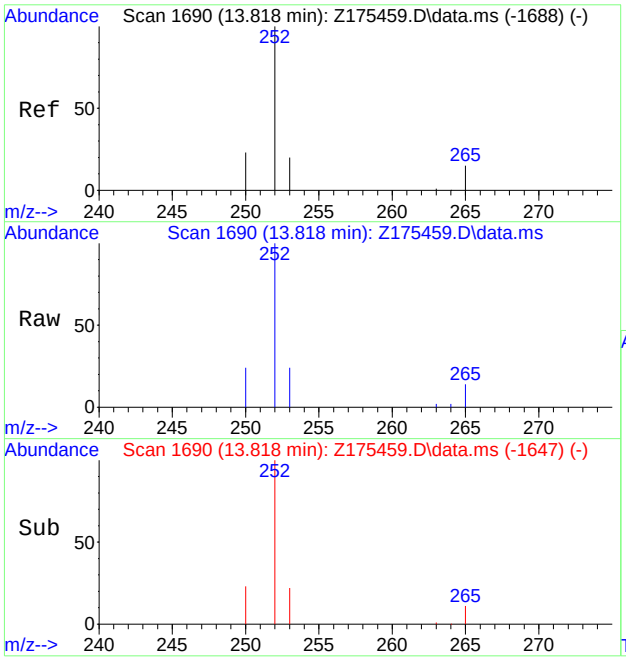


#30
Benzo[b]fluoranthene
Concen: 200.00 ppb
RT: 13.783 min Scan# 1687
Delta R.T. 0.000 min
Lab File: Z175459.D
Acq: 10 Sep 2025 2:44 pm

Tgt Ion:252 Resp: 4738

Ion	Ratio	Lower	Upper
252	100		
253	22.6	0.0	52.6
250	21.9	0.0	51.9

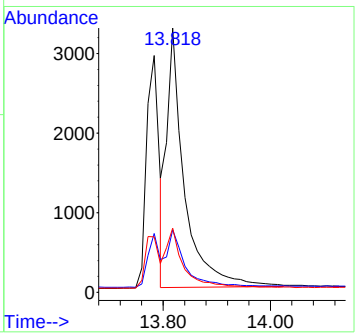


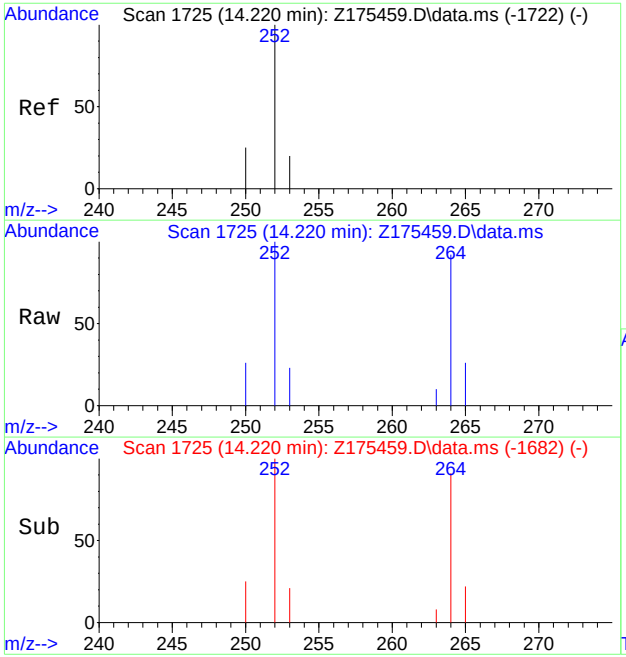


#31
Benzo[k]fluoranthene
Concen: 200.00 ppb
RT: 13.818 min Scan# 1690
Delta R.T. 0.000 min
Lab File: Z175459.D
Acq: 10 Sep 2025 2:44 pm

Tgt Ion:252 Resp: 7477

Ion	Ratio	Lower	Upper
252	100		
253	21.0	0.0	51.0
250	23.1	0.0	53.1

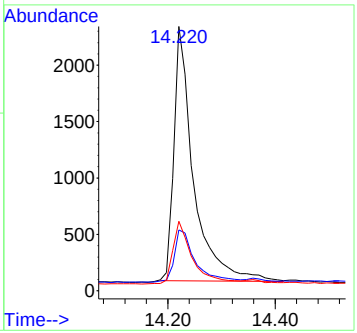


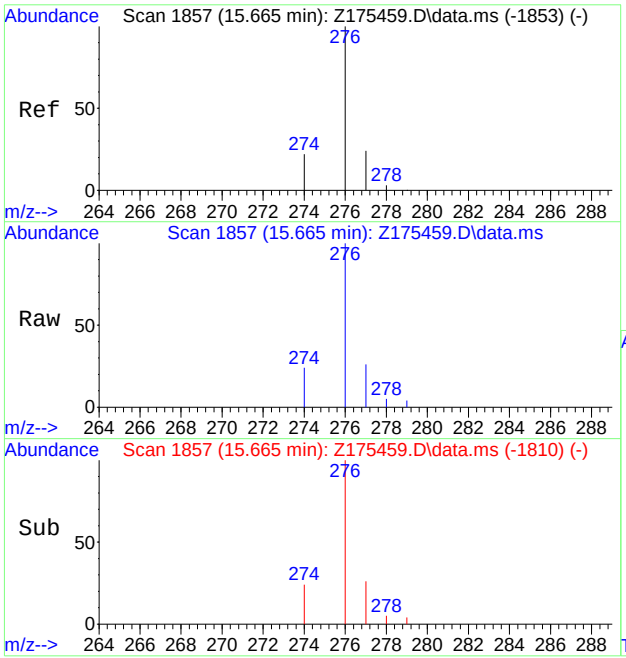


#32
Benzo[a]pyrene
Concen: 200.00 ppb
RT: 14.220 min Scan# 1725
Delta R.T. 0.000 min
Lab File: Z175459.D
Acq: 10 Sep 2025 2:44 pm

Tgt Ion:252 Resp: 5716

Ion	Ratio	Lower	Upper
252	100		
253	20.2	0.0	50.2
250	24.3	0.0	54.3

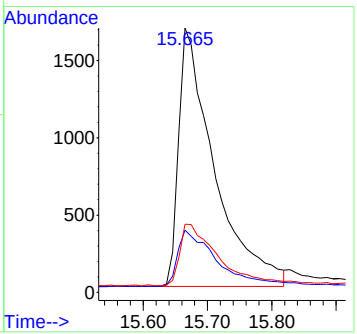


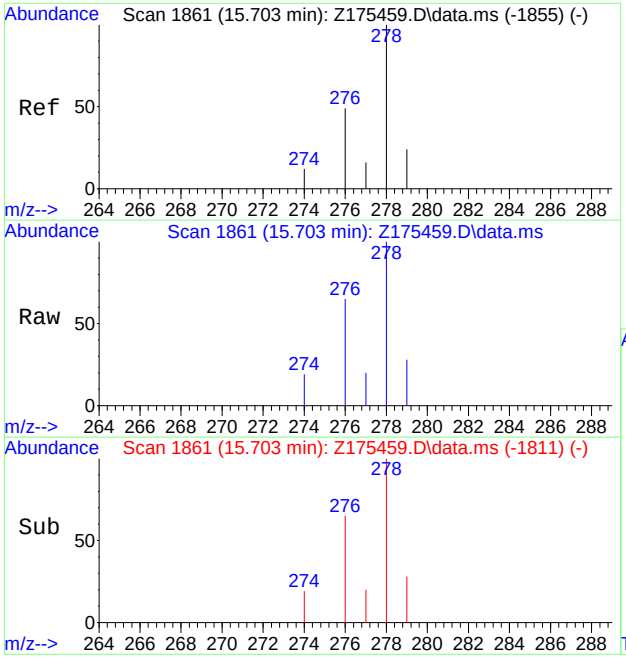


#33
Indeno[1,2,3-cd]pyrene
Concen: 200.00 ppb
RT: 15.665 min Scan# 1857
Delta R.T. 0.000 min
Lab File: Z175459.D
Acq: 10 Sep 2025 2:44 pm

Tgt Ion:276 Resp: 6468

Ion	Ratio	Lower	Upper
276	100		
274	21.7	0.0	51.7
277	23.6	0.0	53.6

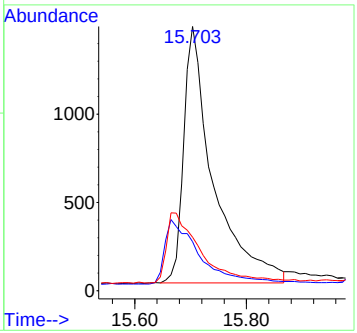


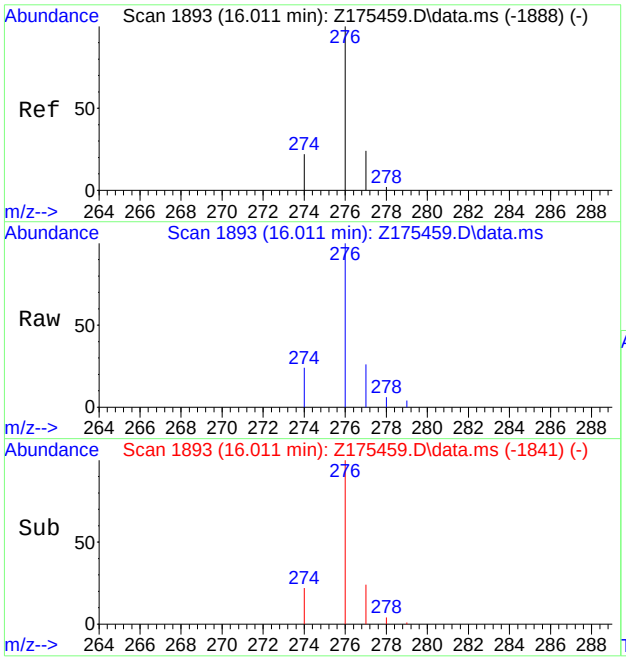


#34
Dibenz[a,h]anthracene
Concen: 200.00 ppb
RT: 15.703 min Scan# 1861
Delta R.T. 0.000 min
Lab File: Z175459.D
Acq: 10 Sep 2025 2:44 pm

Tgt Ion:278 Resp: 5357

Ion	Ratio	Lower	Upper
278	100		
274	14.0	0.0	44.0
277	16.5	0.0	46.5

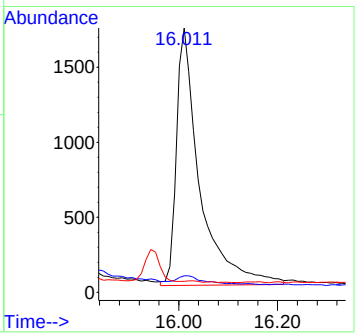




#35
Benzo[g,h,i]perylene
Concen: 200.00 ppb
RT: 16.011 min Scan# 1893
Delta R.T. 0.000 min
Lab File: Z175459.D
Acq: 10 Sep 2025 2:44 pm

Tgt Ion:276 Resp: 5642

Ion	Ratio	Lower	Upper
276	100		
278	2.8	0.0	32.8
279	0.0	0.0	30.0



Manual Integration Approval Summary

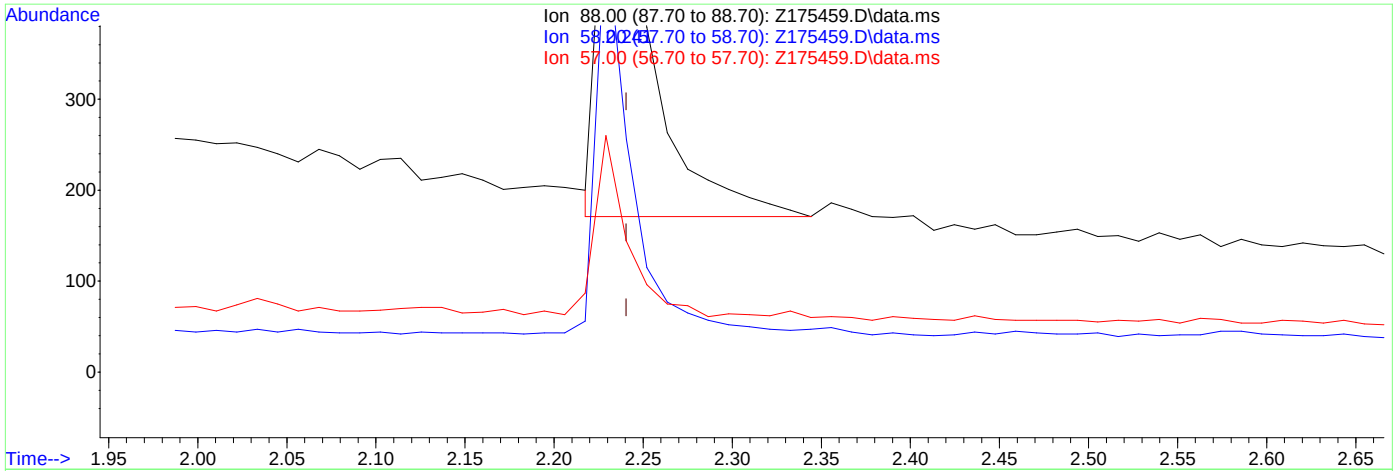
Sample Number:	EZ8654-ICC8654	**Method:**	SW846 8270E BY SIM
Lab FileID:	Z175459.D	**Analyst approved:**	09/11/25 12:07 Ying Li
Injection Time:	09/10/25 14:44	**Supervisor approved:**	09/15/25 15:51 Nina Pandya

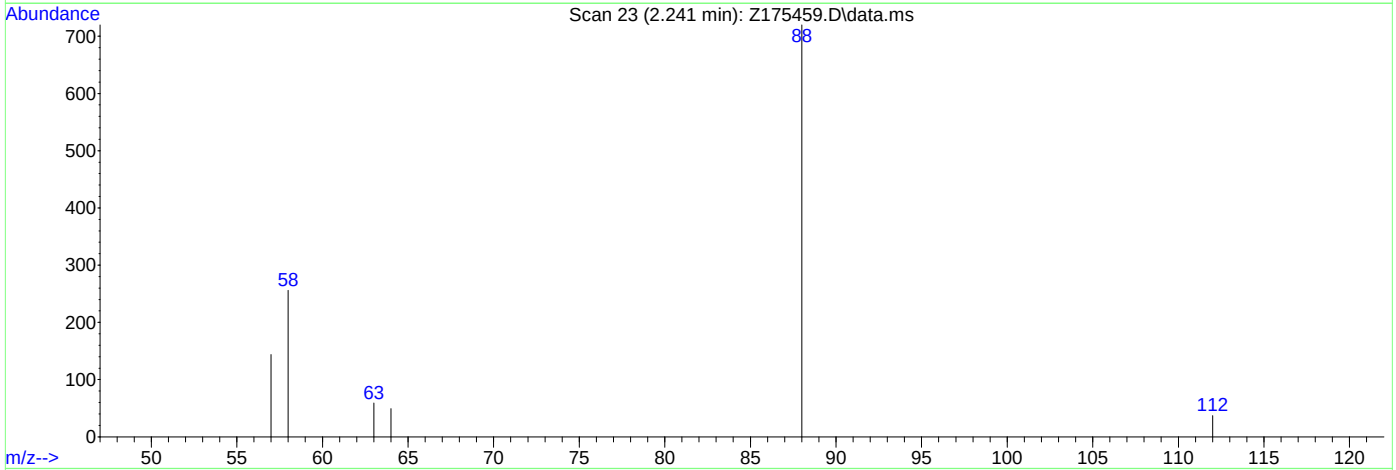
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,4-Dioxane	123-91-1		2.24	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175459.D
Acq On : 10 Sep 2025 2:44 pm
Operator : rocquans
Sample : icc8654-0.2
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 10 16:22:53 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175459.D\data.ms

(2) 1,4-Dioxane (t)

2.241min (0.000) 221.80ppb

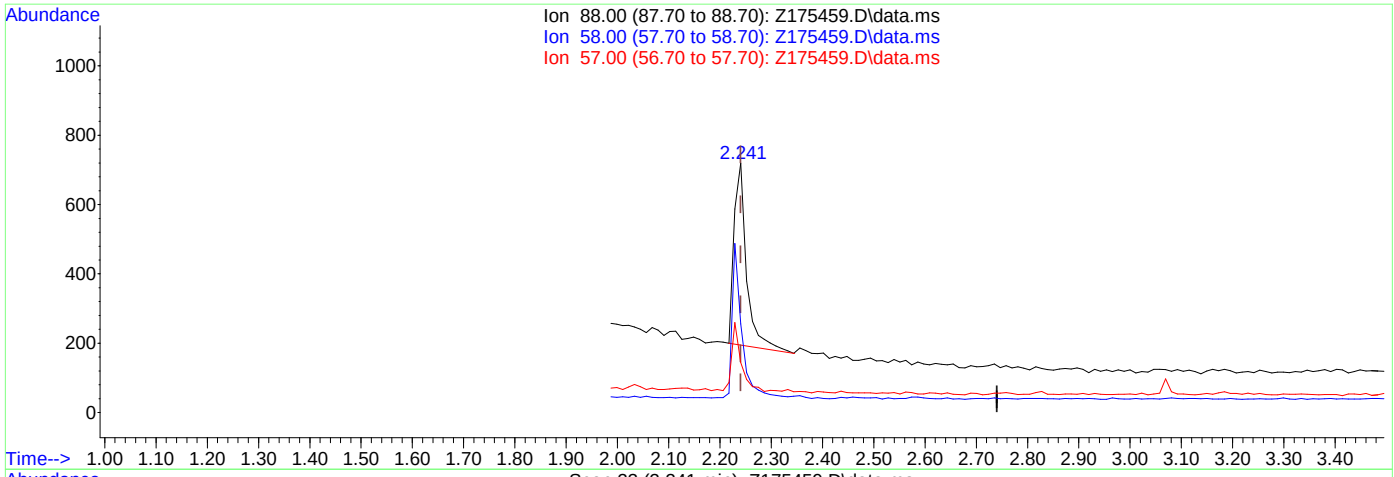
response 987

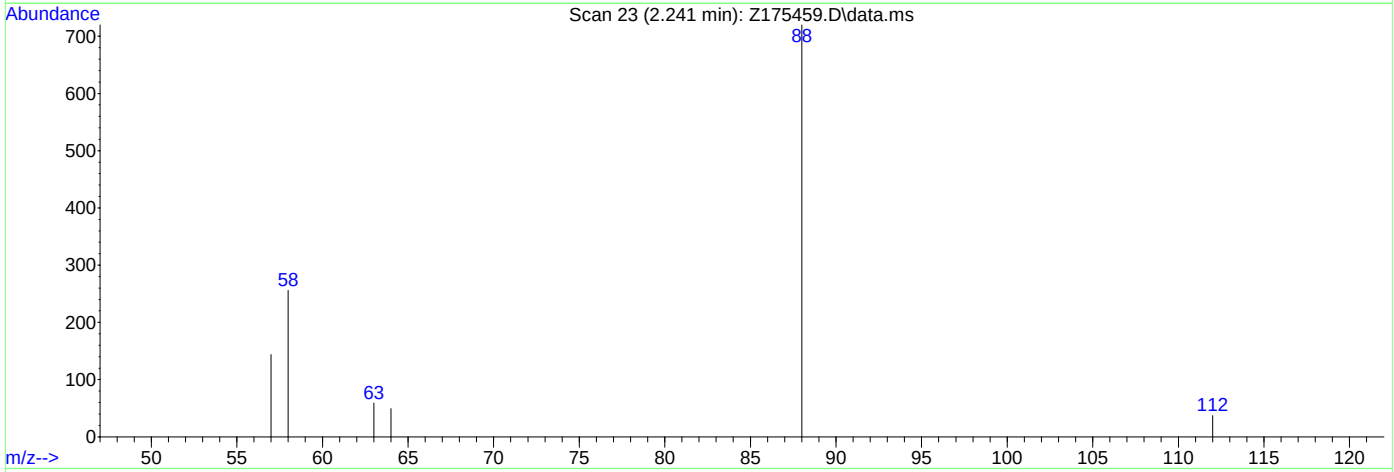
Ion	Exp%	Act%
88.00	100	100
58.00	35.60	38.26
57.00	20.00	13.19
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175459.D
Acq On : 10 Sep 2025 2:44 pm
Operator : rocquans
Sample : icc8654-0.2
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 10 16:22:53 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175459.D\data.ms

(2) 1,4-Dioxane (t)

2.241min (0.000) 197.08ppb m

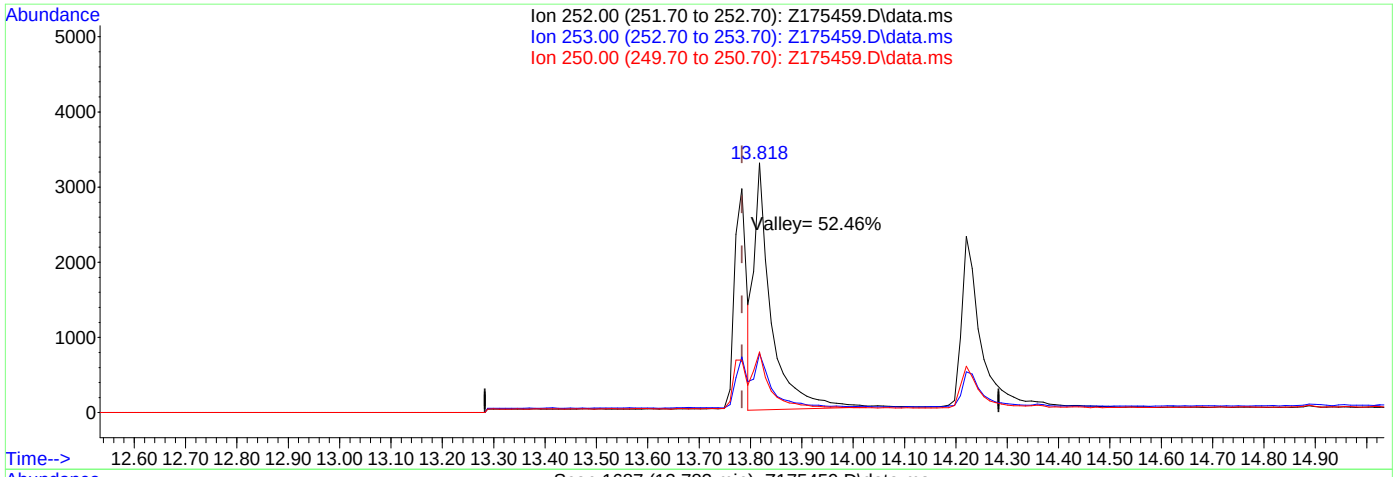
response 877

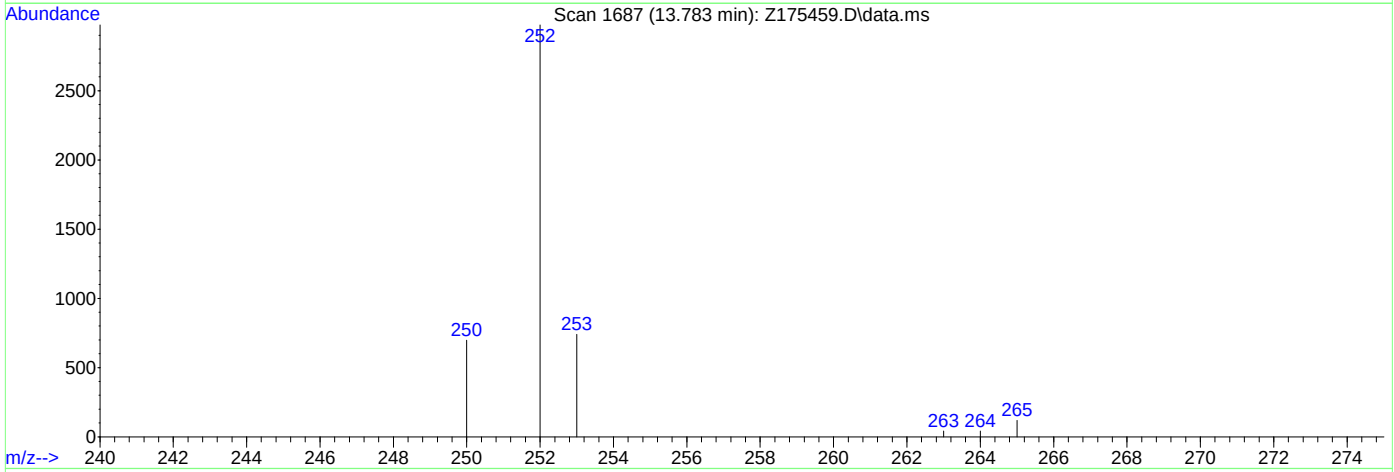
Ion	Exp%	Act%
88.00	100	100
58.00	35.60	35.56
57.00	20.00	20.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175459.D
Acq On : 10 Sep 2025 2:44 pm
Operator : rocquans
Sample : icc8654-0.2
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 10 16:22:53 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175459.D\data.ms

(30) Benzo[b]fluoranthene (t)

13.783min (0.000) 200.00ppb

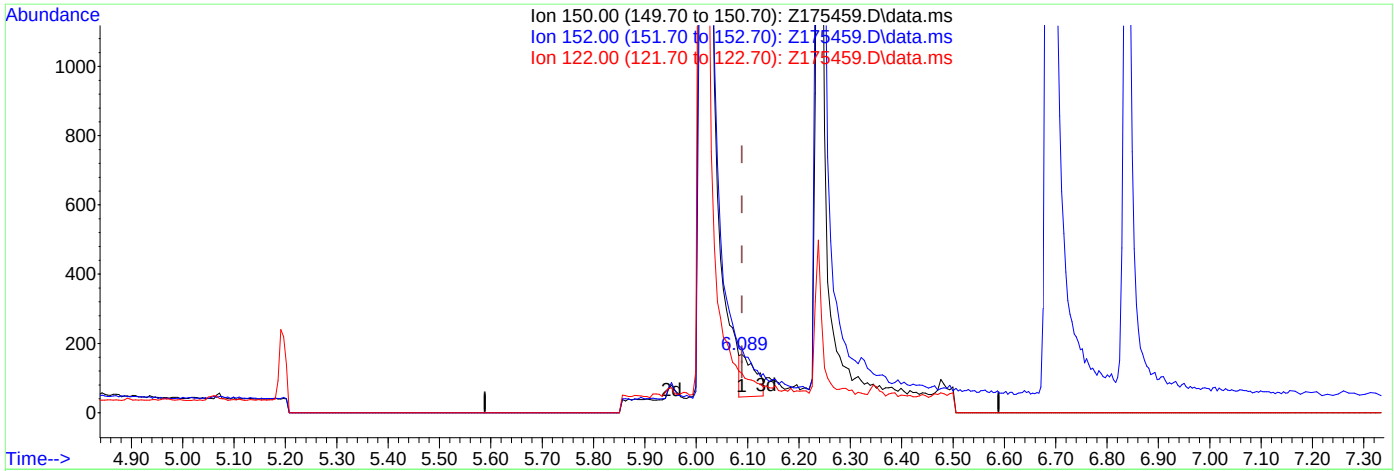
response 4738

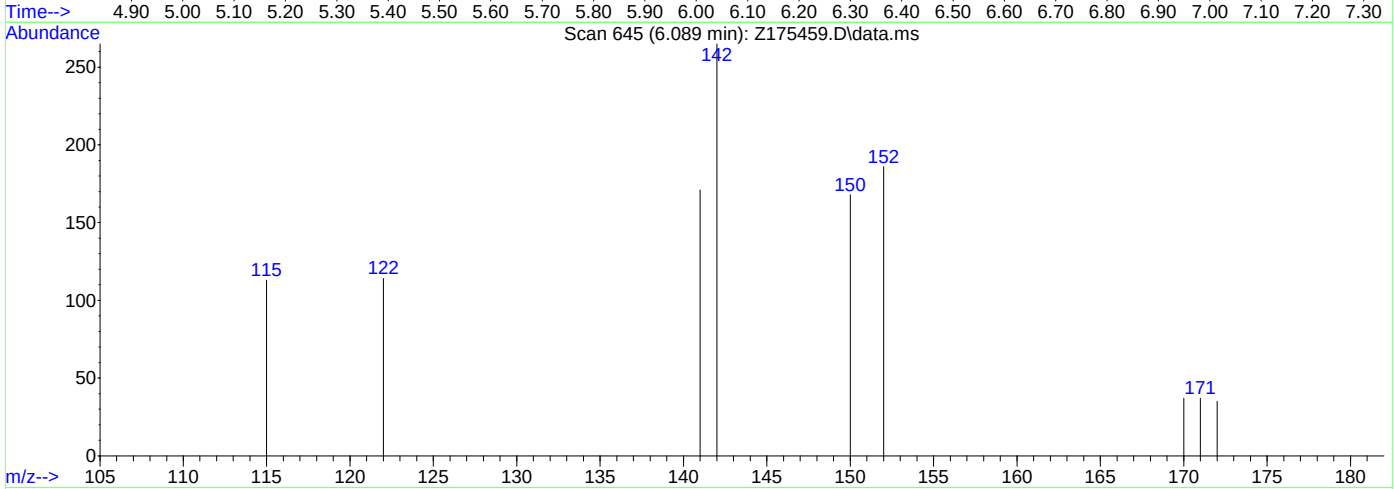
Ion	Exp%	Act%
252.00	100	100
253.00	22.60	22.56
250.00	21.90	21.93
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175459.D
Acq On : 10 Sep 2025 2:44 pm
Operator : rocquans
Sample : icc8654-0.2
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 10 16:23:09 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175459.D\data.ms

(36) 1-Methylnaphthalene-d10a

6.089min (0.000) 800.00ppb

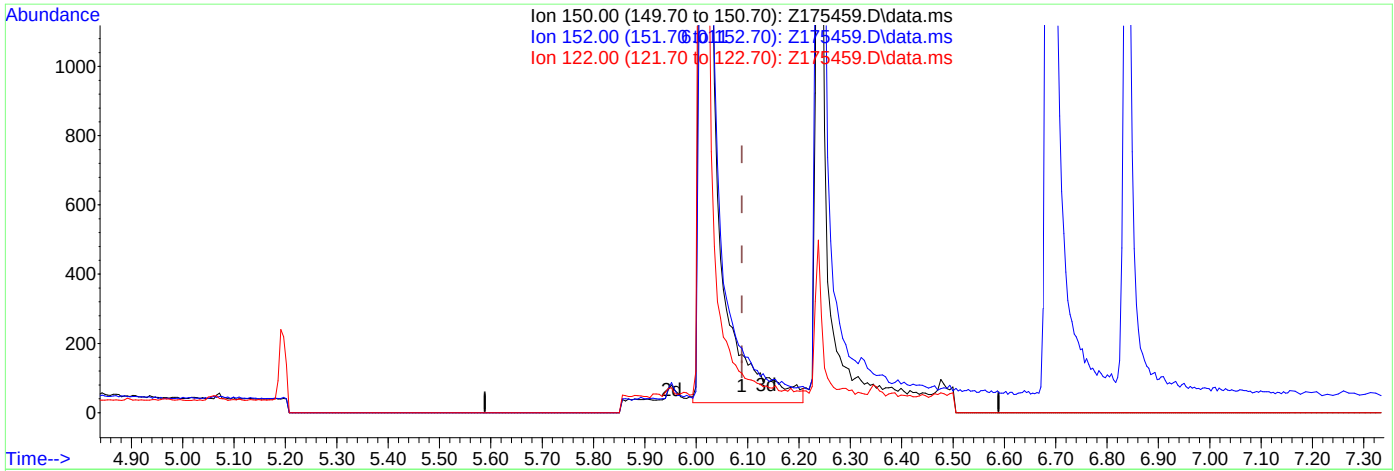
response 241

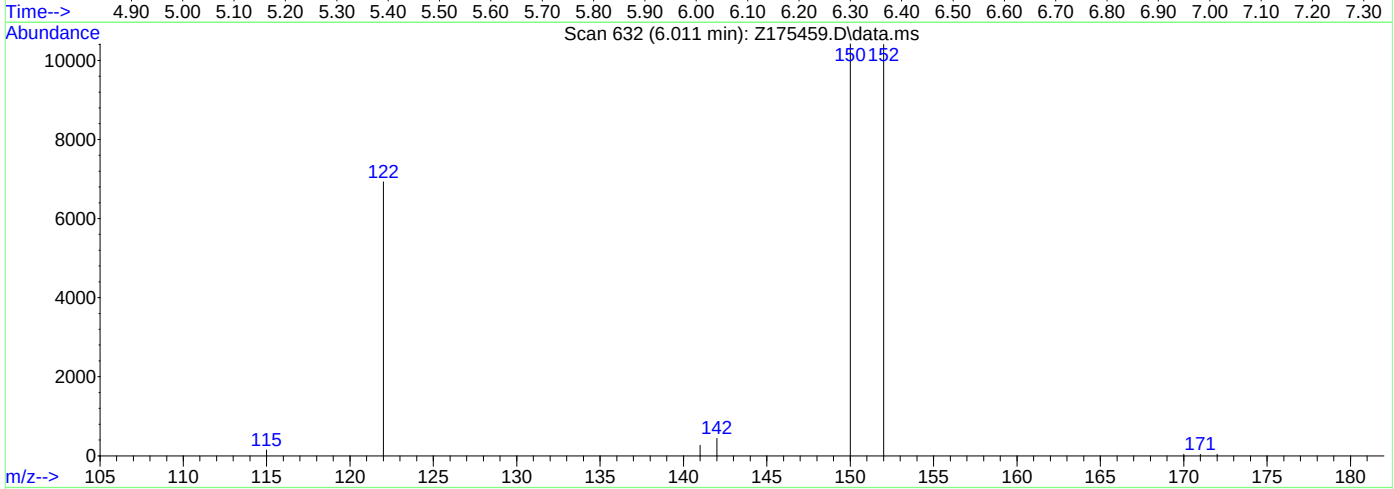
Ion	Exp%	Act%
150.00	100	100
152.00	80.50	80.49
122.00	40.20	40.24
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175459.D
Acq On : 10 Sep 2025 2:44 pm
Operator : rocquans
Sample : icc8654-0.2
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 10 16:23:09 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175459.D\data.ms

(36) 1-Methylnaphthalene-d10a

6.011min (-0.077) 800.00ppb m

response 11585

Ion	Exp%	Act%
150.00	100	100
152.00	80.50	99.87
122.00	40.20	66.49#
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
09/15/25 15:51

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175460.D
Acq On : 10 Sep 2025 3:09 pm
Operator : rocquans
Sample : ic8654-0.5
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 11 11:57:36 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	6.011	150	11557	800.00	ppb	0.00
12) Fluorene-d10	7.302	176	16239	800.00	ppb	0.00
19) Fluoranthene-d10	9.992	212	26679	800.00	ppb	0.00
29) Benzo(a)pyrene-d12	14.197	264	17489	800.00	ppb	0.00
36) 1-Methylnaphthalene-d10a	6.011	150	11741m	800.00	ppb	-0.08
System Monitoring Compounds						
3) 2-Fluorophenol	3.610	112	86272	9825.00	ppb	-0.01
Spiked Amount 10000.000			Recovery =	98.25%		
4) Phenol-d5	4.318	99	92144	9595.39	ppb	0.00
Spiked Amount 10000.000			Recovery =	95.95%		
6) Nitrobenzene-d5	4.941	82	101714	9538.64	ppb	0.00
Spiked Amount 10000.000			Recovery =	95.39%		
13) 2-Fluorobiphenyl	6.244	172	209773	8726.53	ppb	0.00
Spiked Amount 10000.000			Recovery =	87.27%		
18) 2,4,6-Tribromophenol	7.585	330	40516	9445.31	ppb	0.00
Spiked Amount 10000.000			Recovery =	94.45%		
26) Terphenyl-d14	10.615	244	203891	8583.64	ppb	0.00
Spiked Amount 10000.000			Recovery =	85.84%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.229	88	2249m	480.29	ppb	
5) Phenol	4.329	94	23983	2463.45	ppb	88
7) Naphthalene	5.472	128	16572	501.64	ppb	97
8) Hexachlorobutadiene	5.550	225	4096	467.29	ppb	98
9) 2-Methylnaphthalene	5.970	141	9991	487.41	ppb	94
10) 1-Methylnaphthalene	6.041	141	9910	472.54	ppb	98
14) Acenaphthylene	6.683	152	17091	491.81	ppb	98
15) Acenaphthene	6.837	153	11426	467.47	ppb	96
16) Fluorene	7.323	166	13867	492.38	ppb	87
17) 4,6-dinitro-2-methylph...	7.407	198	7064	3306.50	ppb	89
20) Hexachlorobenzene	7.920	284	4813	500.40	ppb	92
21) Pentachlorophenol	8.173	266	9878	3104.81	ppb	99
22) Phenanthrene	8.406	178	18694	553.82	ppb	98
23) Anthracene	8.474	178	19960	476.33	ppb	99
24) Fluoranthene	10.016	202	20482	509.78	ppb	98
25) Pyrene	10.345	202	21503	508.42	ppb	98
27) Benzo[a]anthracene	12.186	228	14765	550.76	ppb	96
28) Chrysene	12.238	228	19254	418.21	ppb	97
30) Benzo[b]fluoranthene	13.772	252	14268	589.26	ppb	95
31) Benzo[k]fluoranthene	13.818	252	16993	444.72	ppb	94
32) Benzo[a]pyrene	14.220	252	14665	502.03	ppb	97
33) Indeno[1,2,3-cd]pyrene	15.655	276	16777	507.56	ppb	99
34) Dibenz[a,h]anthracene	15.694	278	13811	504.48	ppb	96
35) Benzo[g,h,i]perylene	16.001	276	13615	472.20	ppb	100

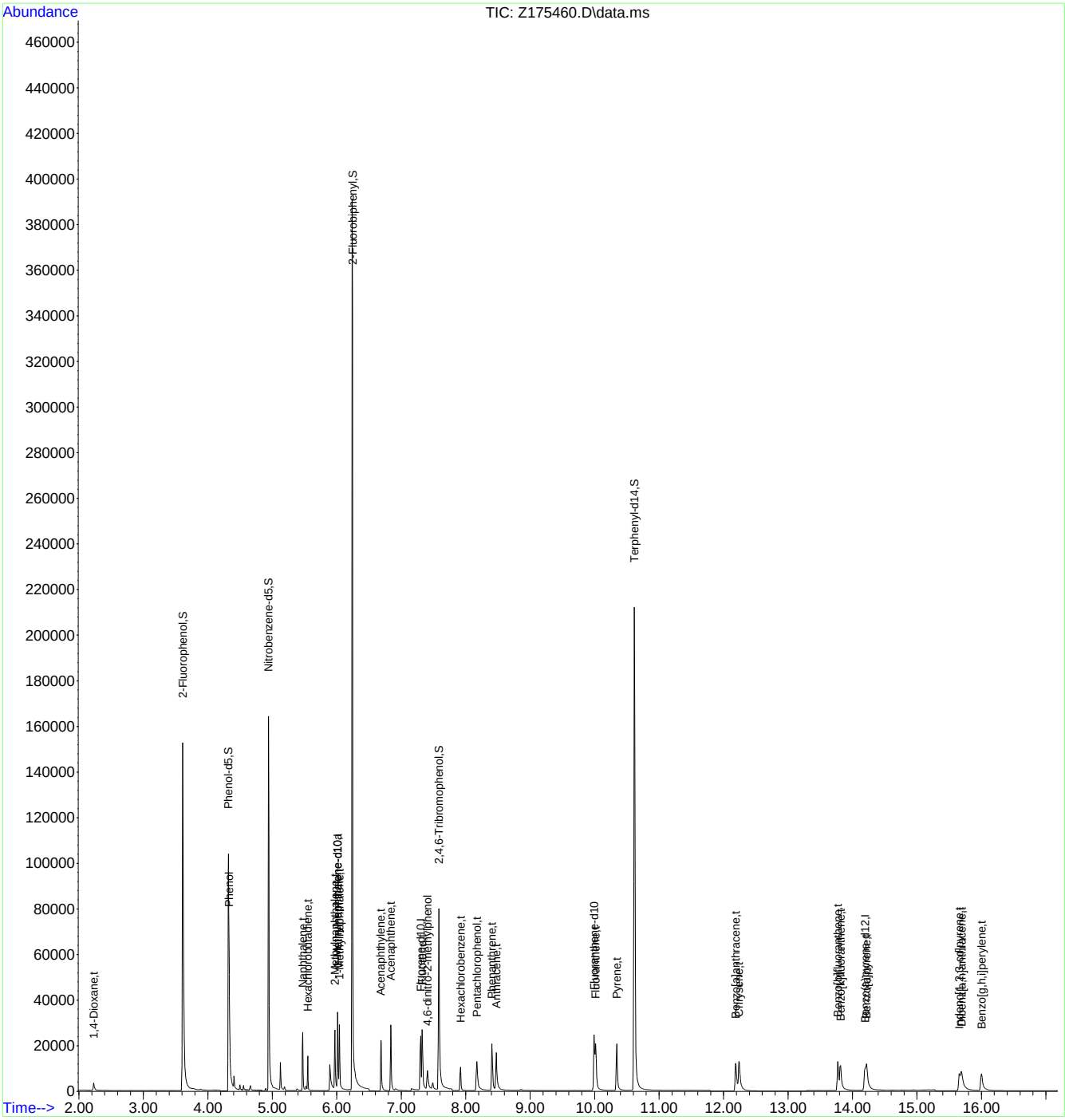
(#) = qualifier out of range (m) = manual integration (+) = signals summed

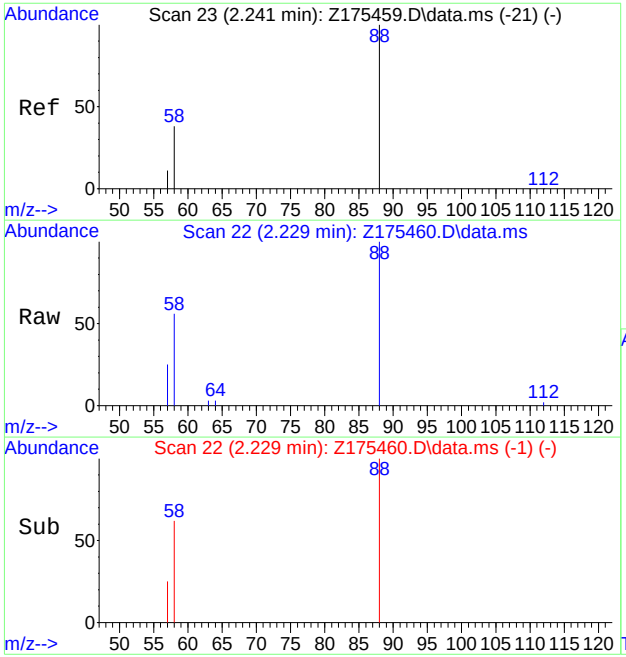
9.5.36
9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175460.D
Acq On : 10 Sep 2025 3:09 pm
Operator : rocquans
Sample : ic8654-0.5
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 11 11:57:36 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration

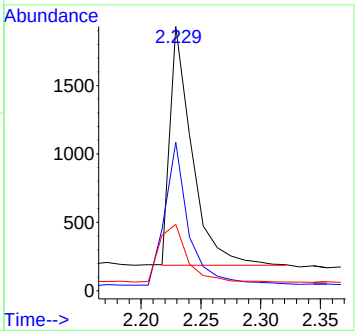


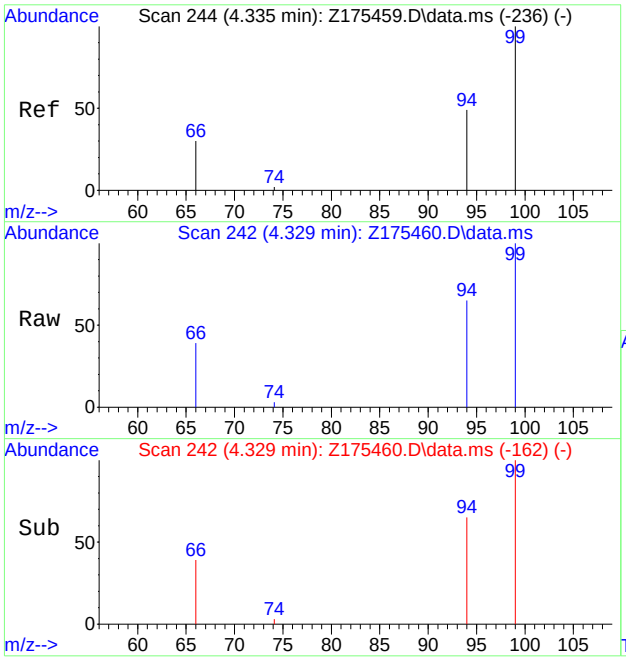


#2
1,4-Dioxane
Concen: 480.29 ppb m
RT: 2.229 min Scan# 22
Delta R.T. -0.011 min
Lab File: Z175460.D
Acq: 10 Sep 2025 3:09 pm

Tgt Ion: 88 Resp: 2249

Ion	Ratio	Lower	Upper
88	100		
58	56.2	15.6	55.6#
57	25.2	0.0	40.0

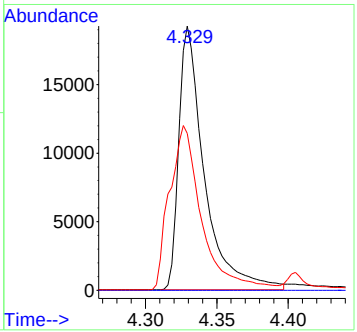




#5
Phenol
Concen: 2463.45 ppb
RT: 4.329 min Scan# 242
Delta R.T. -0.005 min
Lab File: Z175460.D
Acq: 10 Sep 2025 3:09 pm

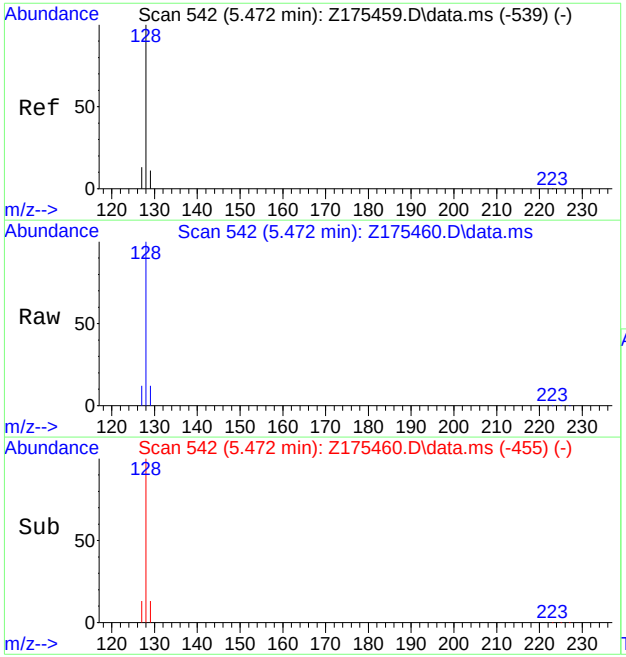
Tgt Ion: 94 Resp: 23983

Ion	Ratio	Lower	Upper
94	100		
65	0.0	0.0	0.0
66	52.9	49.8	74.8



9.5.36

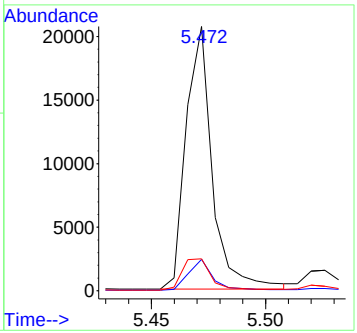
6

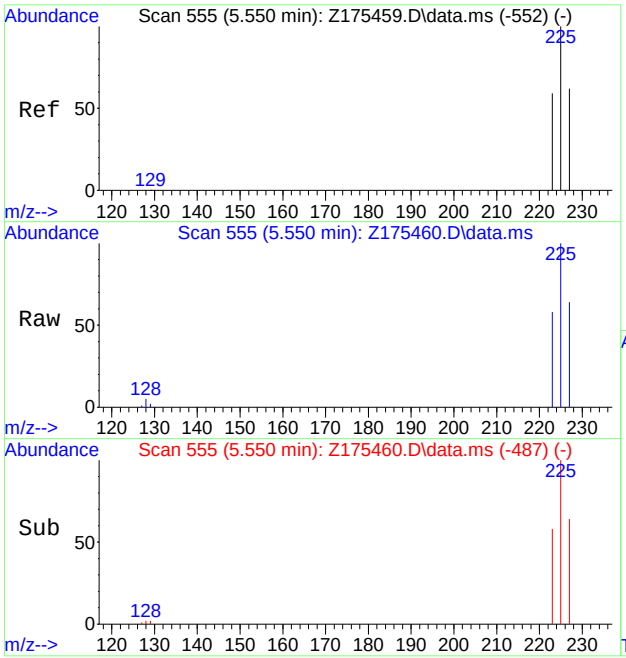


#7
Naphthalene
Concen: 501.64 ppb
RT: 5.472 min Scan# 542
Delta R.T. 0.000 min
Lab File: Z175460.D
Acq: 10 Sep 2025 3:09 pm

Tgt Ion:128 Resp: 16572

Ion	Ratio	Lower	Upper
128	100		
129	11.7	0.0	40.6
127	11.9	0.0	43.3

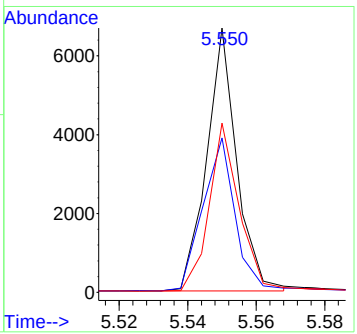


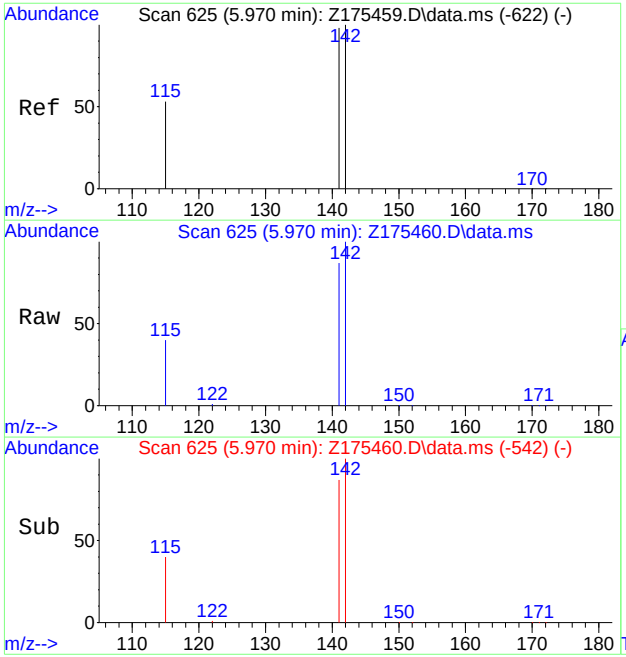


#8
Hexachlorobutadiene
Concen: 467.29 ppb
RT: 5.550 min Scan# 555
Delta R.T. 0.000 min
Lab File: Z175460.D
Acq: 10 Sep 2025 3:09 pm

Tgt Ion:225 Resp: 4096

Ion	Ratio	Lower	Upper
225	100		
223	58.2	29.0	89.0
227	63.8	32.1	92.1

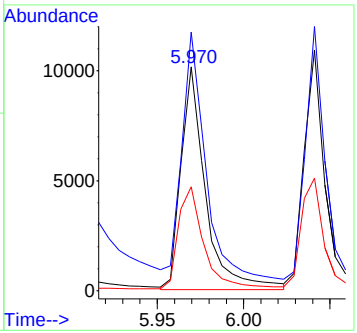


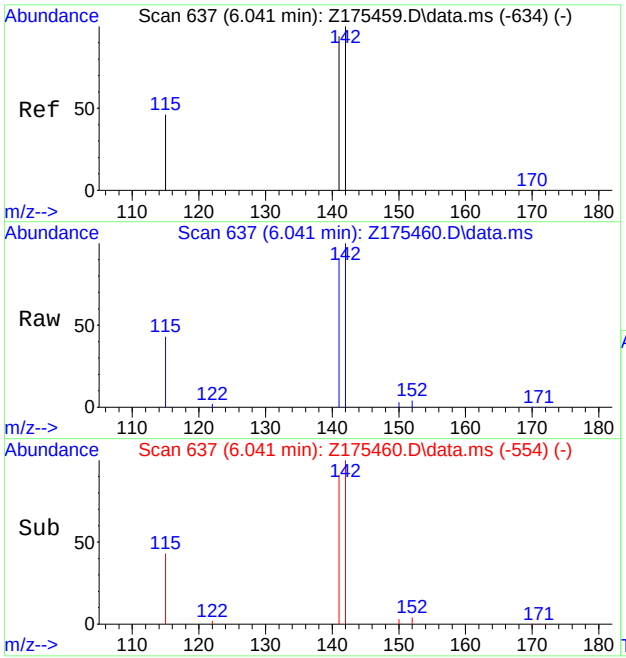


#9
2-Methylnaphthalene
Concen: 487.41 ppb
RT: 5.970 min Scan# 625
Delta R.T. 0.000 min
Lab File: Z175460.D
Acq: 10 Sep 2025 3:09 pm

Tgt Ion:141 Resp: 9991

Ion	Ratio	Lower	Upper
141	100		
142	110.8	77.1	137.1
115	46.3	24.3	84.3

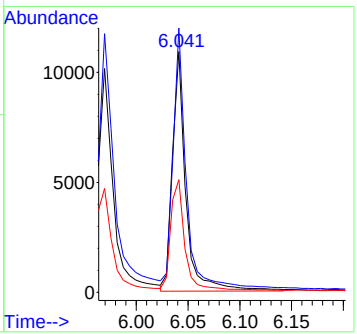


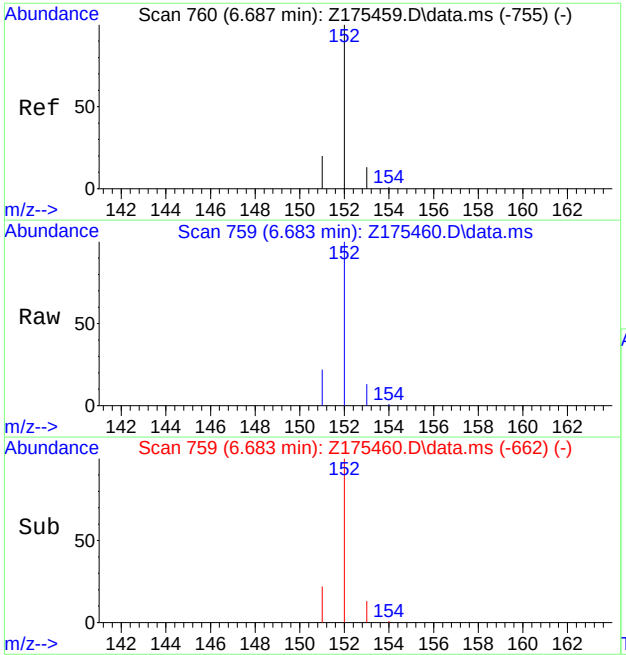


#10
1-Methylnaphthalene
Concen: 472.54 ppb
RT: 6.041 min Scan# 637
Delta R.T. 0.000 min
Lab File: Z175460.D
Acq: 10 Sep 2025 3:09 pm

Tgt Ion:141 Resp: 9910

Ion	Ratio	Lower	Upper
141	100		
142	108.6	77.6	137.6
115	46.5	19.1	79.1

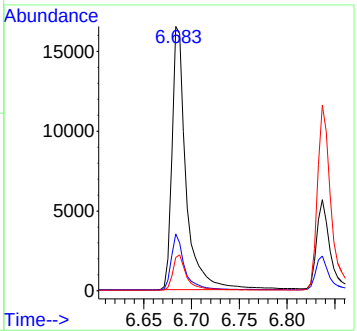


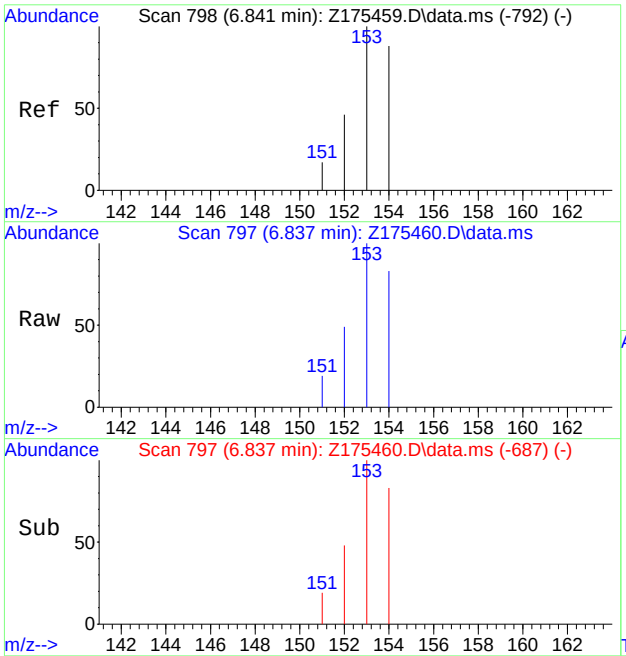


#14
Acenaphthylene
Concen: 491.81 ppb
RT: 6.683 min Scan# 759
Delta R.T. -0.004 min
Lab File: Z175460.D
Acq: 10 Sep 2025 3:09 pm

Tgt Ion:152 Resp: 17091

Ion	Ratio	Lower	Upper
152	100		
151	21.3	0.0	50.1
153	12.4	0.0	42.6

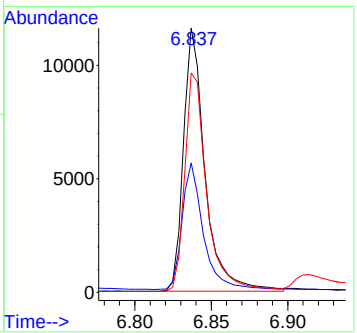


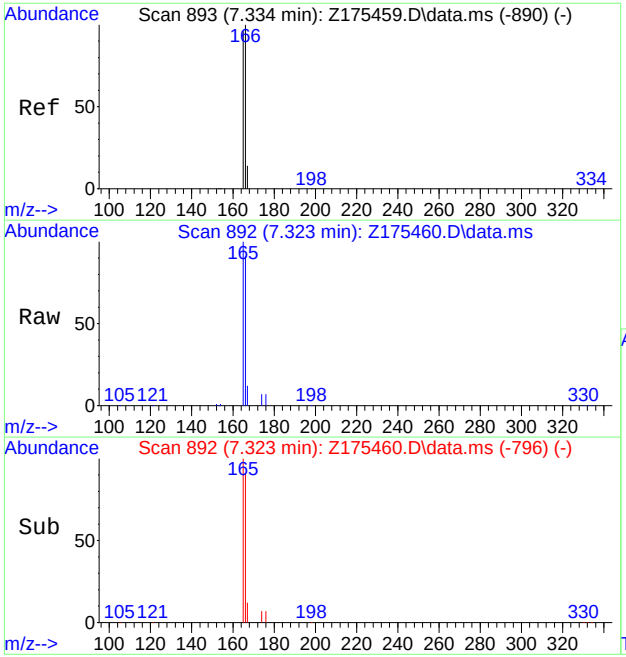


#15
Acenaphthene
Concen: 467.47 ppb
RT: 6.837 min Scan# 797
Delta R.T. -0.004 min
Lab File: Z175460.D
Acq: 10 Sep 2025 3:09 pm

Tgt Ion:153 Resp: 11426

Ion	Ratio	Lower	Upper
153	100		
152	48.2	16.6	76.6
154	82.9	57.9	117.9

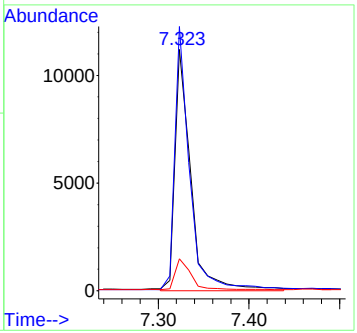


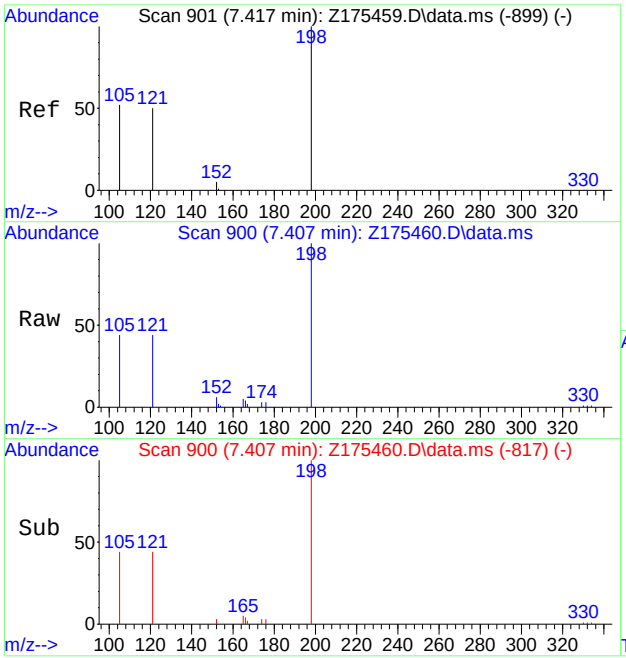


#16
Fluorene
Concen: 492.38 ppb
RT: 7.323 min Scan# 892
Delta R.T. -0.010 min
Lab File: Z175460.D
Acq: 10 Sep 2025 3:09 pm

Tgt Ion:166 Resp: 13867

Ion	Ratio	Lower	Upper
166	100		
165	109.7	65.8	125.8
167	12.9	0.0	43.5

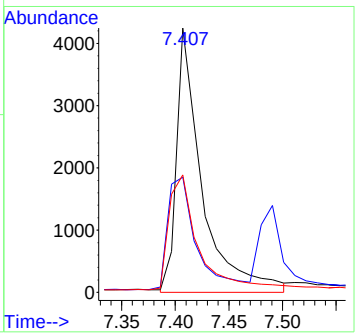




#17
4,6-dinitro-2-methylphenol
Concen: 3306.50 ppb
RT: 7.407 min Scan# 900
Delta R.T. -0.010 min
Lab File: Z175460.D
Acq: 10 Sep 2025 3:09 pm

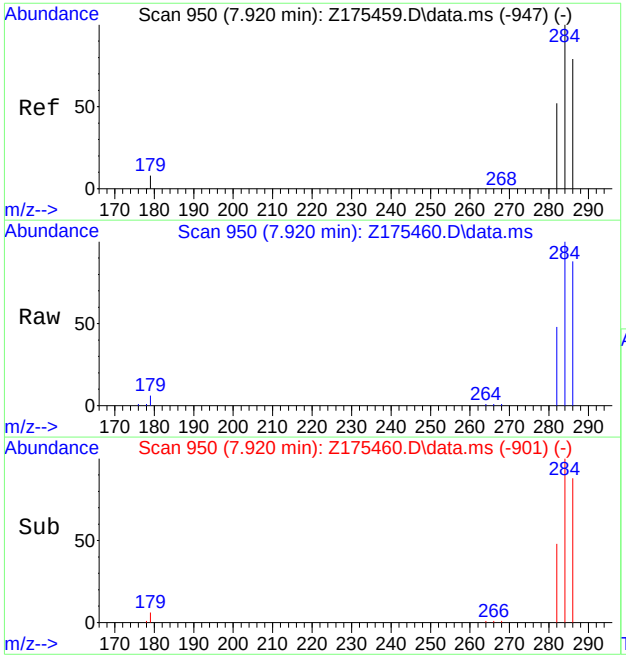
Tgt Ion:198 Resp: 7064

Ion	Ratio	Lower	Upper
198	100		
105	37.8	25.6	65.6
121	43.3	29.8	69.8



9.5.36

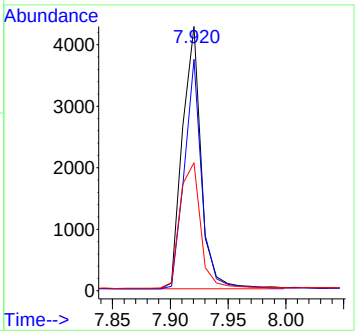
9

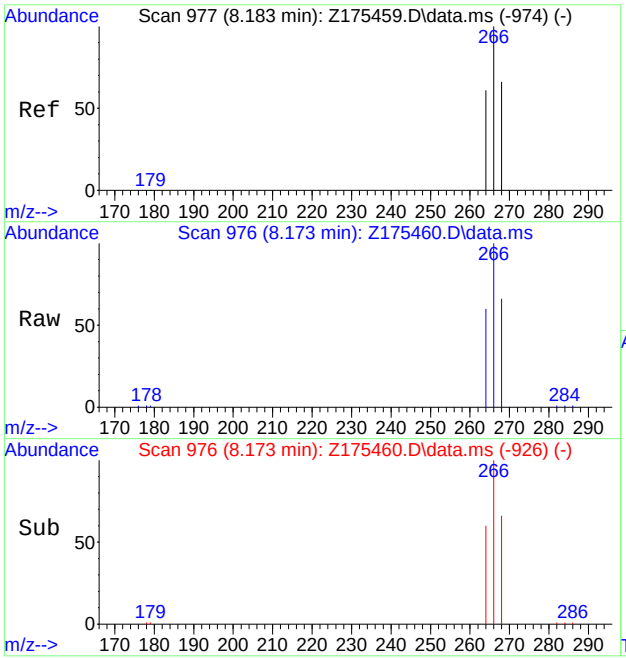


#20
Hexachlorobenzene
Concen: 500.40 ppb
RT: 7.920 min Scan# 950
Delta R.T. 0.000 min
Lab File: Z175460.D
Acq: 10 Sep 2025 3:09 pm

Tgt Ion:284 Resp: 4813

Ion	Ratio	Lower	Upper
284	100		
286	87.5	48.9	108.9
282	47.9	22.1	82.1

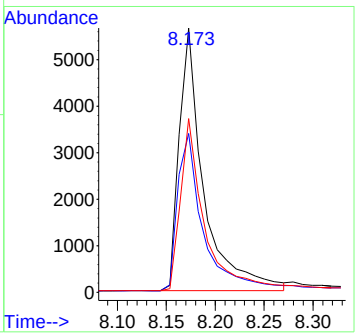


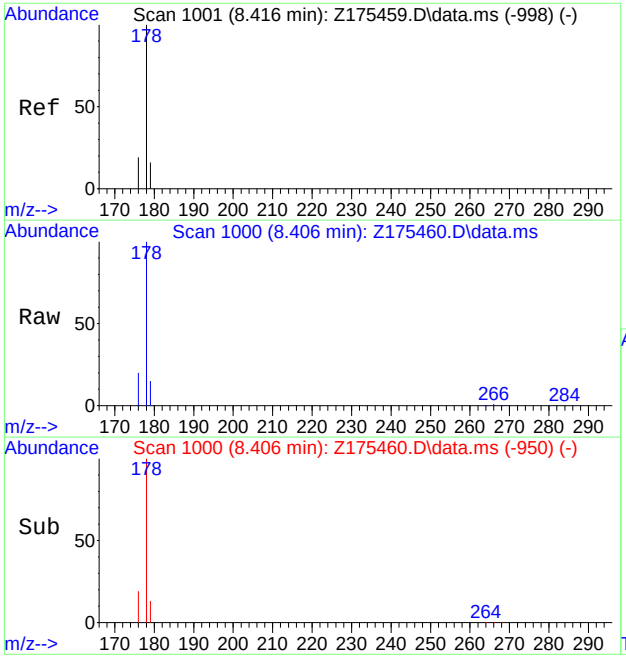


#21
Pentachlorophenol
Concen: 3104.81 ppb
RT: 8.173 min Scan# 976
Delta R.T. -0.010 min
Lab File: Z175460.D
Acq: 10 Sep 2025 3:09 pm

Tgt Ion:266 Resp: 9878

Ion	Ratio	Lower	Upper
266	100		
264	59.8	30.8	90.8
268	65.5	36.3	96.3

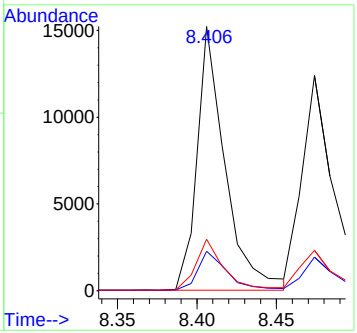


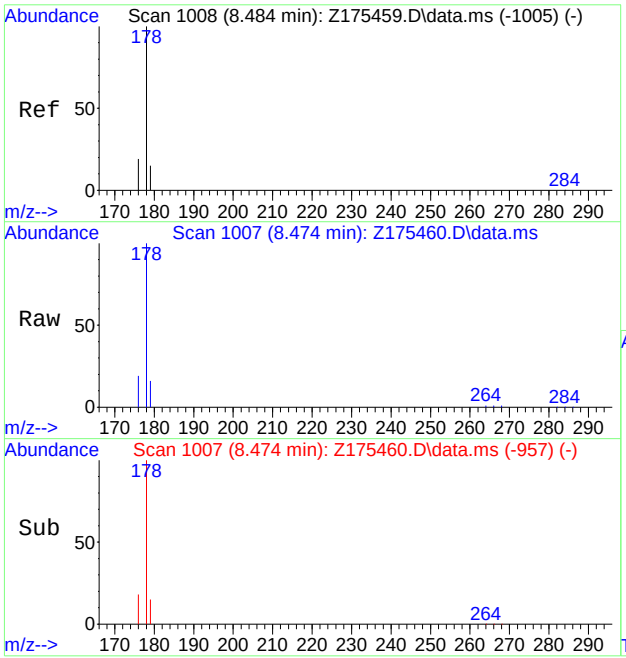


#22
Phenanthrene
Concen: 553.82 ppb
RT: 8.406 min Scan# 1000
Delta R.T. -0.010 min
Lab File: Z175460.D
Acq: 10 Sep 2025 3:09 pm

Tgt Ion:178 Resp: 18694

Ion	Ratio	Lower	Upper
178	100		
179	14.7	0.0	45.6
176	19.3	0.0	48.6

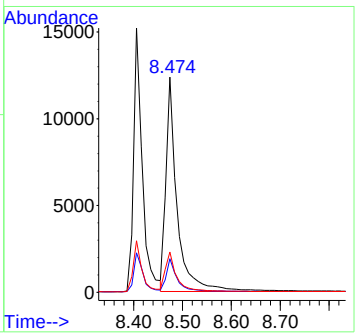




#23
Anthracene
Concen: 476.33 ppb
RT: 8.474 min Scan# 1007
Delta R.T. -0.010 min
Lab File: Z175460.D
Acq: 10 Sep 2025 3:09 pm

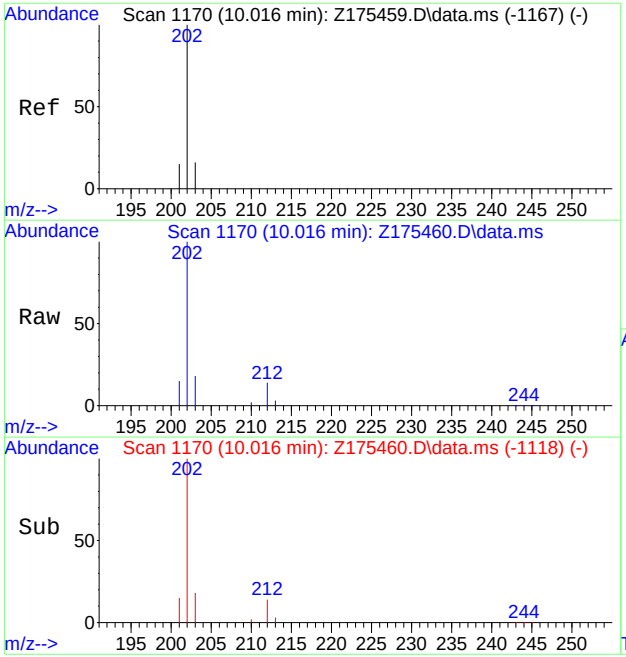
Tgt Ion:178 Resp: 19960

Ion	Ratio	Lower	Upper
178	100		
179	15.4	0.0	44.8
176	18.4	0.0	48.7



9.5.36

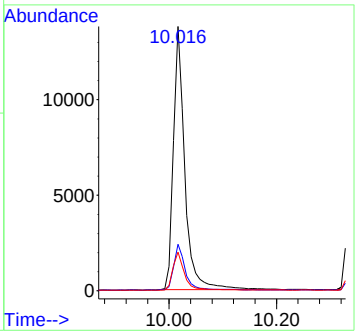
9

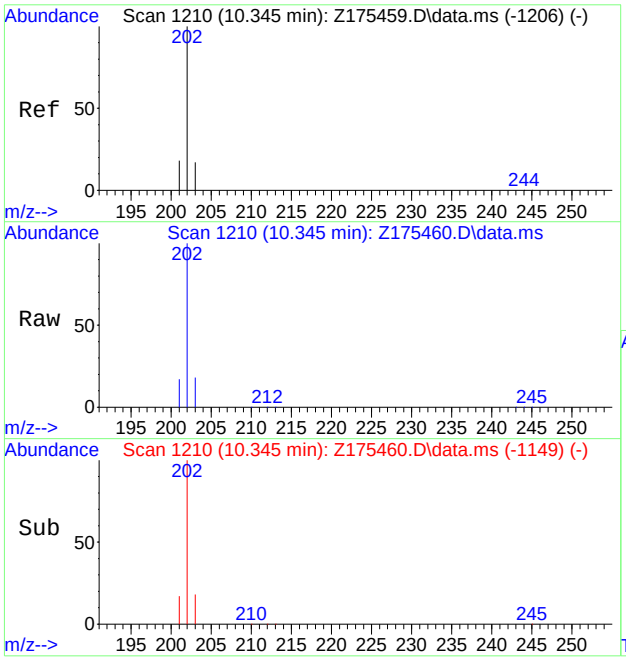


#24
Fluoranthene
Concen: 509.78 ppb
RT: 10.016 min Scan# 1170
Delta R.T. 0.000 min
Lab File: Z175460.D
Acq: 10 Sep 2025 3:09 pm

Tgt Ion:202 Resp: 20482

Ion	Ratio	Lower	Upper
202	100		
203	17.3	0.0	46.4
201	14.4	0.0	45.1

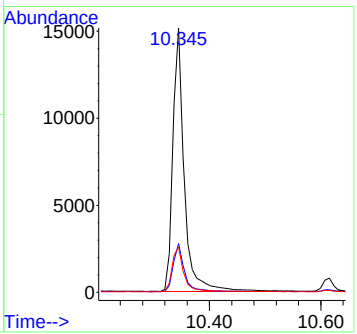


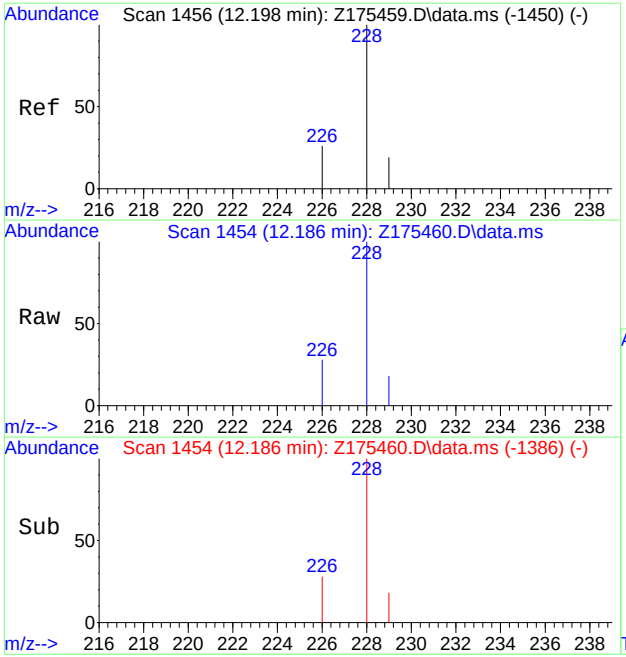


#25
Pyrene
Concen: 508.42 ppb
RT: 10.345 min Scan# 1210
Delta R.T. 0.000 min
Lab File: Z175460.D
Acq: 10 Sep 2025 3:09 pm

Tgt Ion:202 Resp: 21503

Ion	Ratio	Lower	Upper
202	100		
203	18.2	0.0	47.4
201	17.0	0.0	47.8

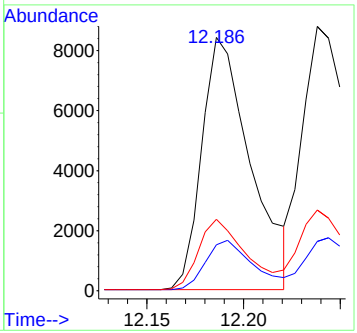


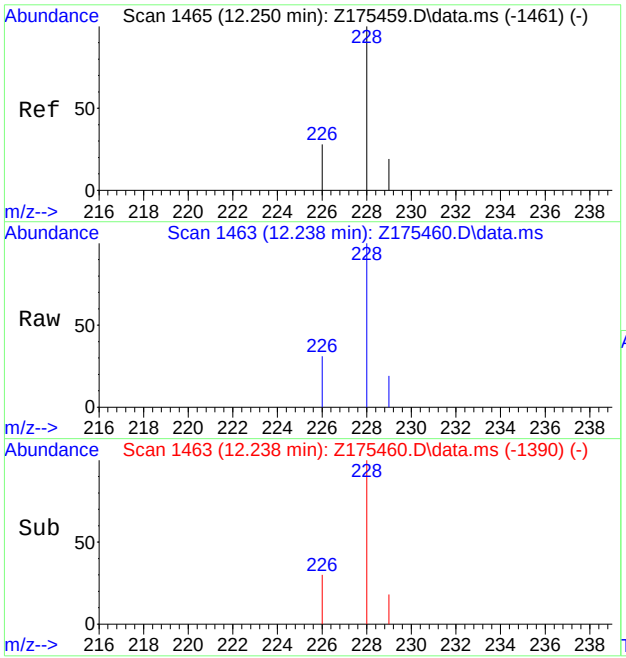


#27
Benzo[a]anthracene
Concen: 550.76 ppb
RT: 12.186 min Scan# 1454
Delta R.T. -0.012 min
Lab File: Z175460.D
Acq: 10 Sep 2025 3:09 pm

Tgt Ion:228 Resp: 14765

Ion	Ratio	Lower	Upper
228	100		
229	17.7	0.0	49.3
226	27.4	0.0	55.6

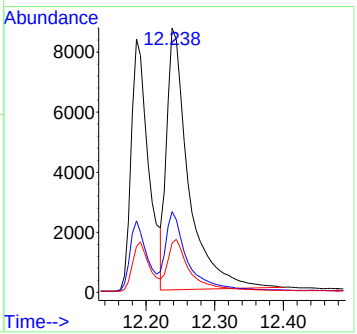


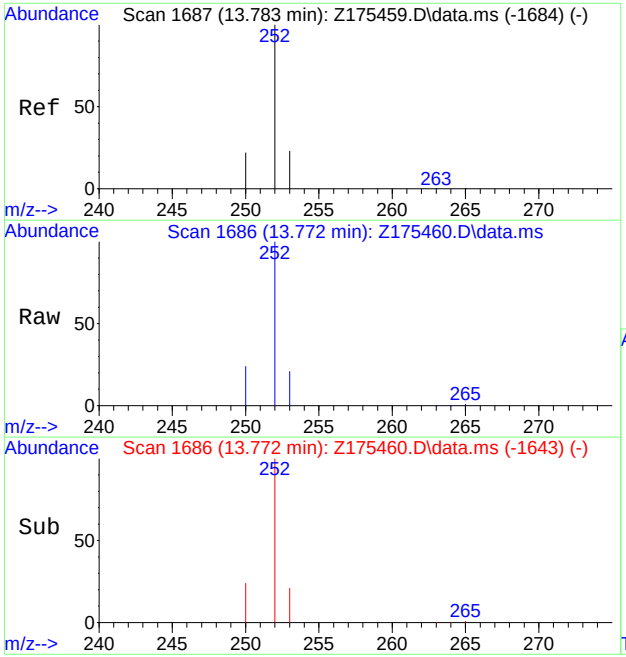


#28
Chrysene
Concen: 418.21 ppb
RT: 12.238 min Scan# 1463
Delta R.T. -0.012 min
Lab File: Z175460.D
Acq: 10 Sep 2025 3:09 pm

Tgt Ion:228 Resp: 19254

Ion	Ratio	Lower	Upper
228	100		
226	30.1	0.0	58.4
229	18.2	0.0	49.1

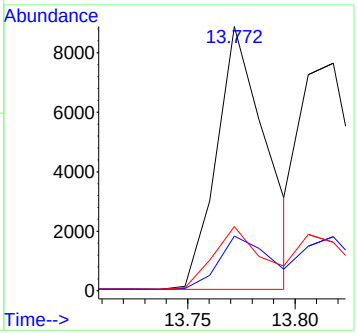


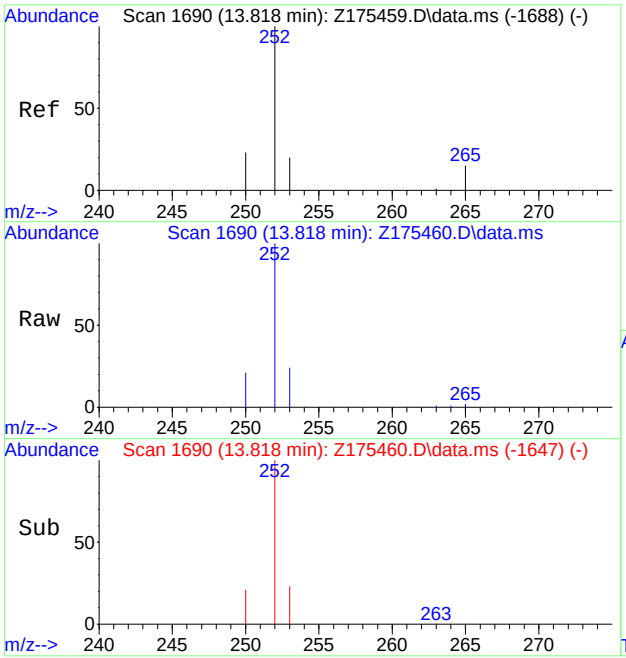


#30
Benzo[b]fluoranthene
Concen: 589.26 ppb
RT: 13.772 min Scan# 1686
Delta R.T. -0.011 min
Lab File: Z175460.D
Acq: 10 Sep 2025 3:09 pm

Tgt Ion:252 Resp: 14268

Ion	Ratio	Lower	Upper
252	100		
253	19.8	0.0	52.6
250	23.5	0.0	51.9

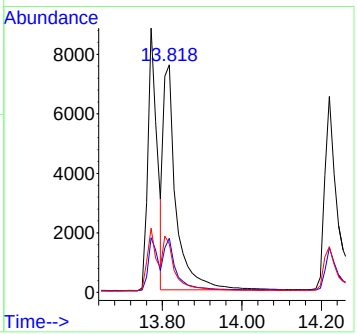


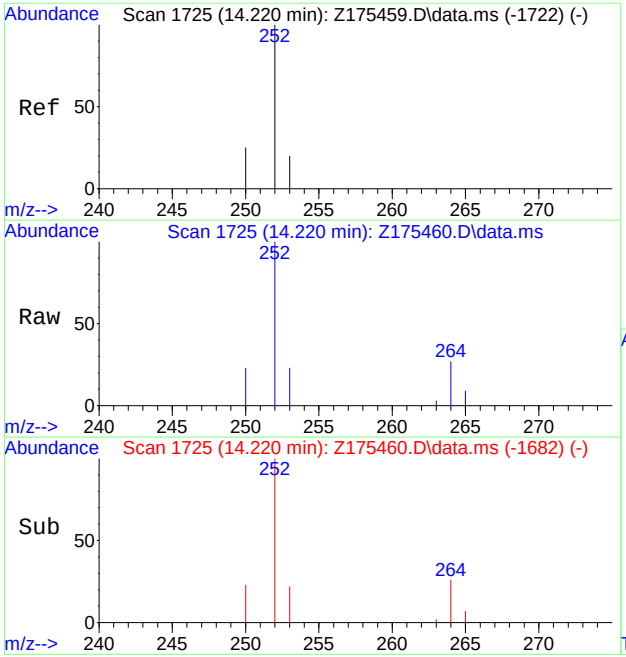


#31
Benzo[k]fluoranthene
Concen: 444.72 ppb
RT: 13.818 min Scan# 1690
Delta R.T. 0.000 min
Lab File: Z175460.D
Acq: 10 Sep 2025 3:09 pm

Tgt Ion:252 Resp: 16993

Ion	Ratio	Lower	Upper
252	100		
253	23.4	0.0	51.0
250	19.6	0.0	53.1

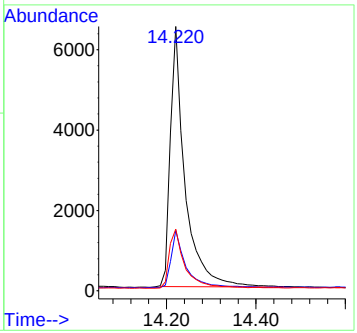


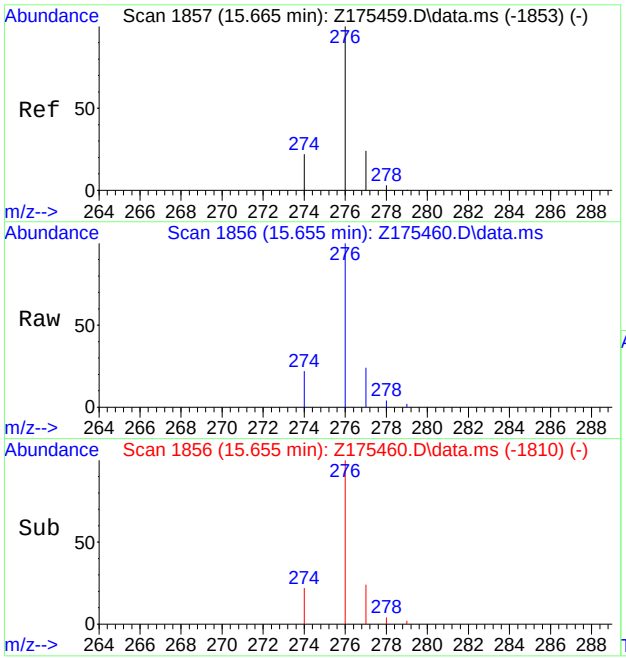


#32
Benzo[a]pyrene
Concen: 502.03 ppb
RT: 14.220 min Scan# 1725
Delta R.T. 0.000 min
Lab File: Z175460.D
Acq: 10 Sep 2025 3:09 pm

Tgt Ion:252 Resp: 14665

Ion	Ratio	Lower	Upper
252	100		
253	21.9	0.0	50.2
250	22.6	0.0	54.3

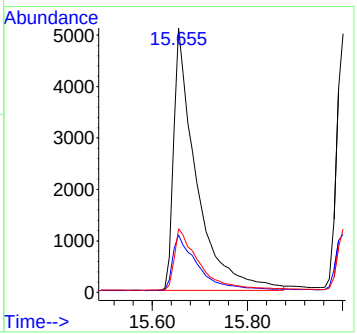


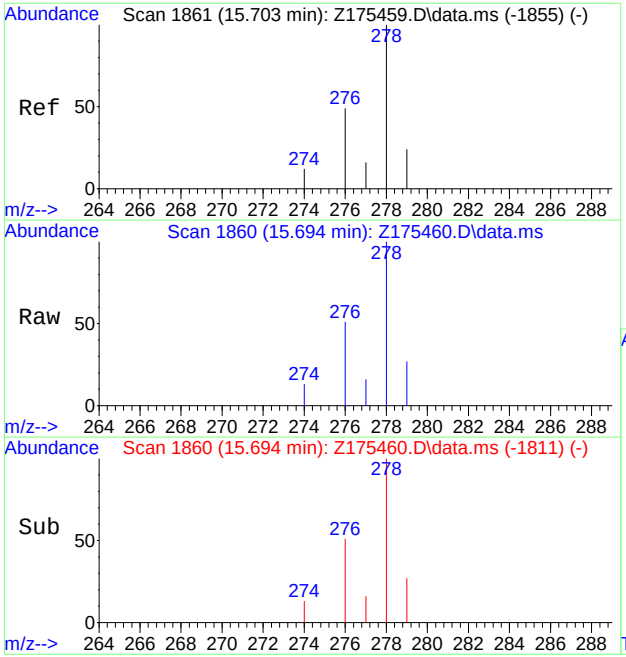


#33
Indeno[1,2,3-cd]pyrene
Concen: 507.56 ppb
RT: 15.655 min Scan# 1856
Delta R.T. -0.010 min
Lab File: Z175460.D
Acq: 10 Sep 2025 3:09 pm

Tgt Ion:276 Resp: 16777

Ion	Ratio	Lower	Upper
276	100		
274	21.1	0.0	51.7
277	23.3	0.0	53.6

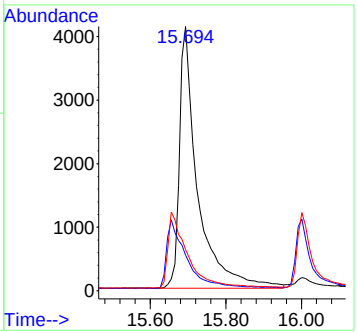


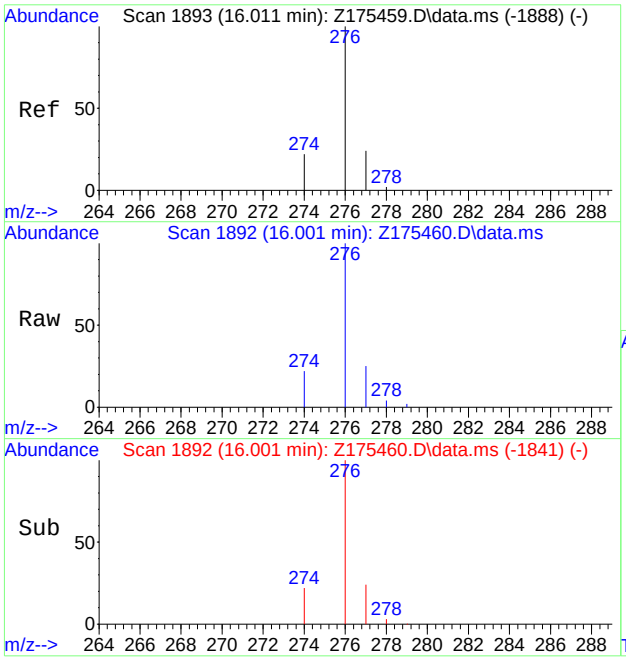


#34
Dibenz[a,h]anthracene
Concen: 504.48 ppb
RT: 15.694 min Scan# 1860
Delta R.T. -0.010 min
Lab File: Z175460.D
Acq: 10 Sep 2025 3:09 pm

Tgt Ion:278 Resp: 13811

Ion	Ratio	Lower	Upper
278	100		
274	12.5	0.0	44.0
277	14.5	0.0	46.5

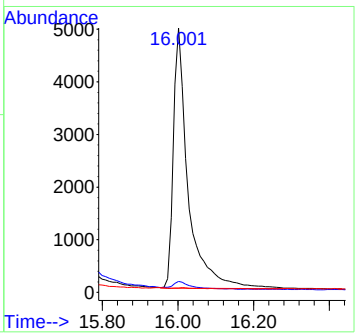




#35
Benzo[g,h,i]perylene
Concen: 472.20 ppb
RT: 16.001 min Scan# 1892
Delta R.T. -0.010 min
Lab File: Z175460.D
Acq: 10 Sep 2025 3:09 pm

Tgt Ion:276 Resp: 13615

Ion	Ratio	Lower	Upper
276	100		
278	2.8	0.0	32.8
279	0.0	0.0	30.0



Manual Integration Approval Summary

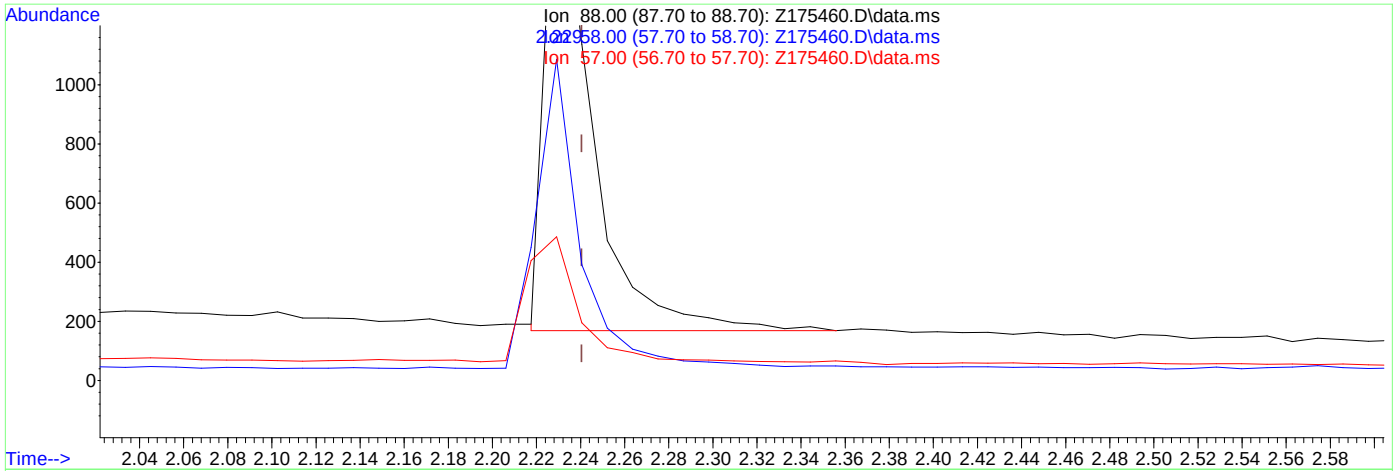
Sample Number:	EZ8654-IC8654	**Method:**	SW846 8270E BY SIM
Lab FileID:	Z175460.D	**Analyst approved:**	09/11/25 12:07 Ying Li
Injection Time:	09/10/25 15:09	**Supervisor approved:**	09/15/25 15:51 Nina Pandya

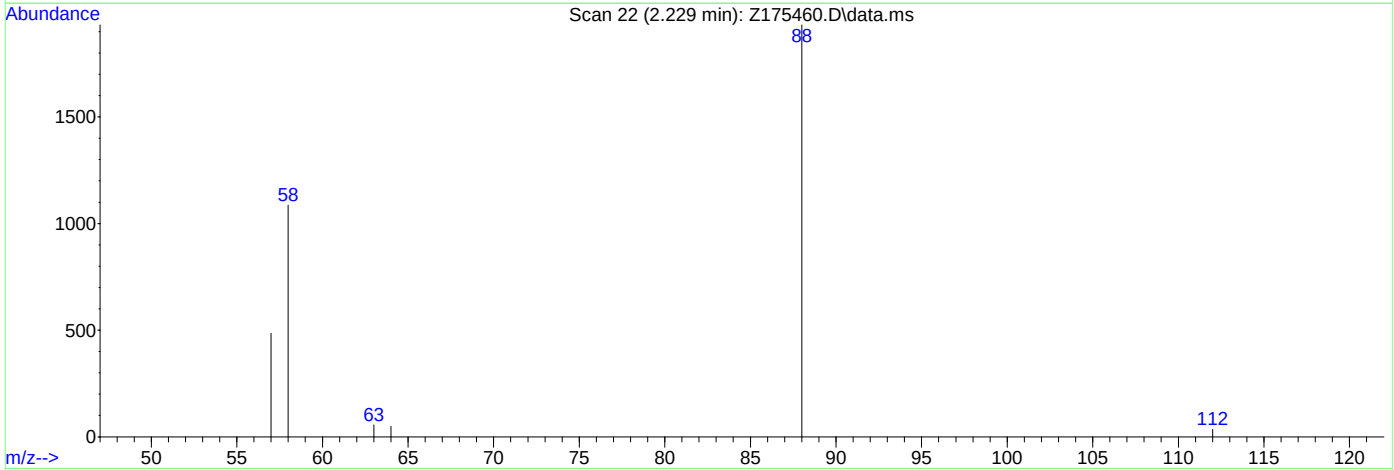
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,4-Dioxane	123-91-1		2.23	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175460.D
Acq On : 10 Sep 2025 3:09 pm
Operator : rocquans
Sample : ic8654-0.5
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 10 16:24:54 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175460.D\data.ms

(2) 1,4-Dioxane (t)

2.229min (-0.011) 505.71ppb

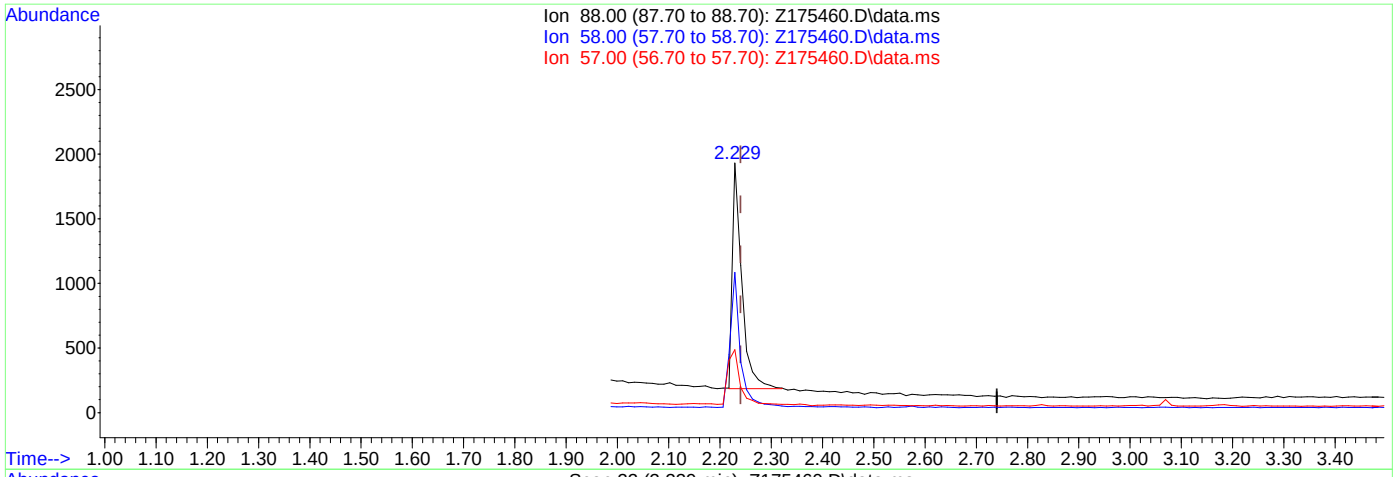
response 2368

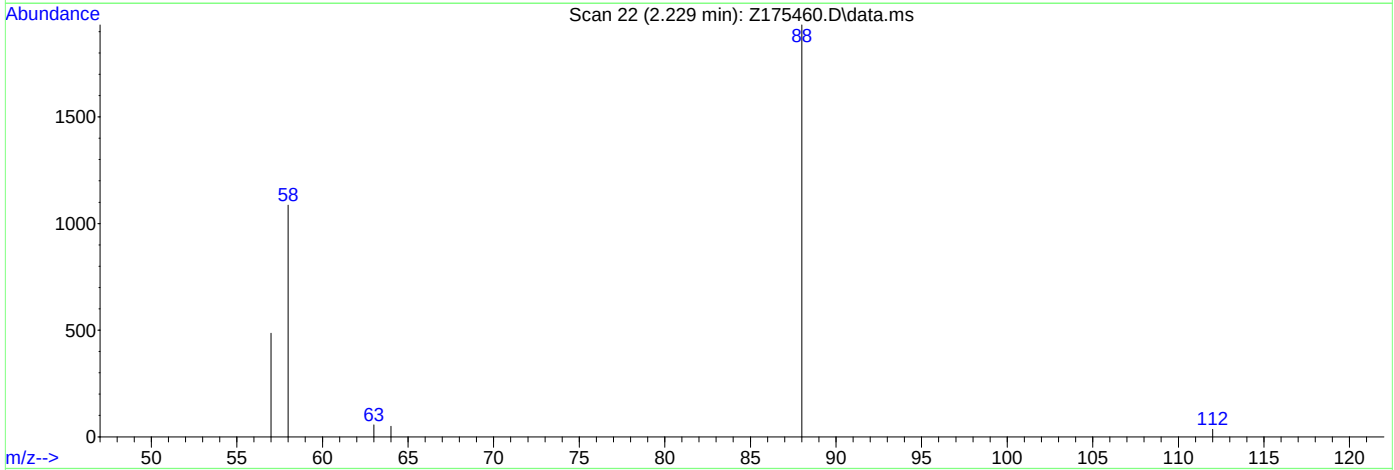
Ion	Exp%	Act%
88.00	100	100
58.00	35.60	47.73
57.00	20.00	14.29
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175460.D
Acq On : 10 Sep 2025 3:09 pm
Operator : rocquans
Sample : ic8654-0.5
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 10 16:26:34 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175460.D\data.ms

(2) 1,4-Dioxane (t)

2.229min (-0.011) 480.29ppb m

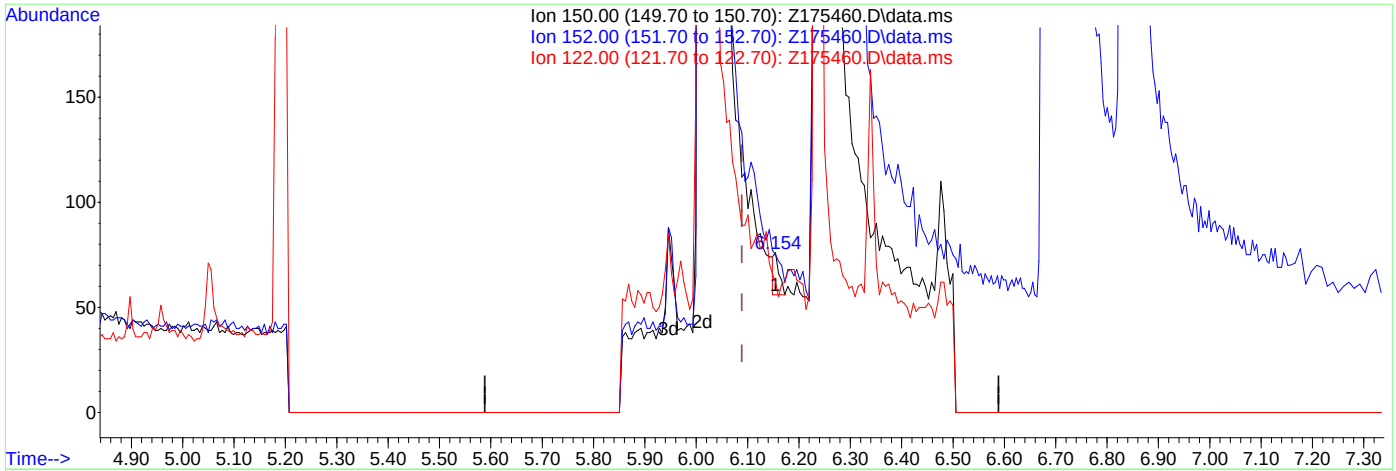
response 2249

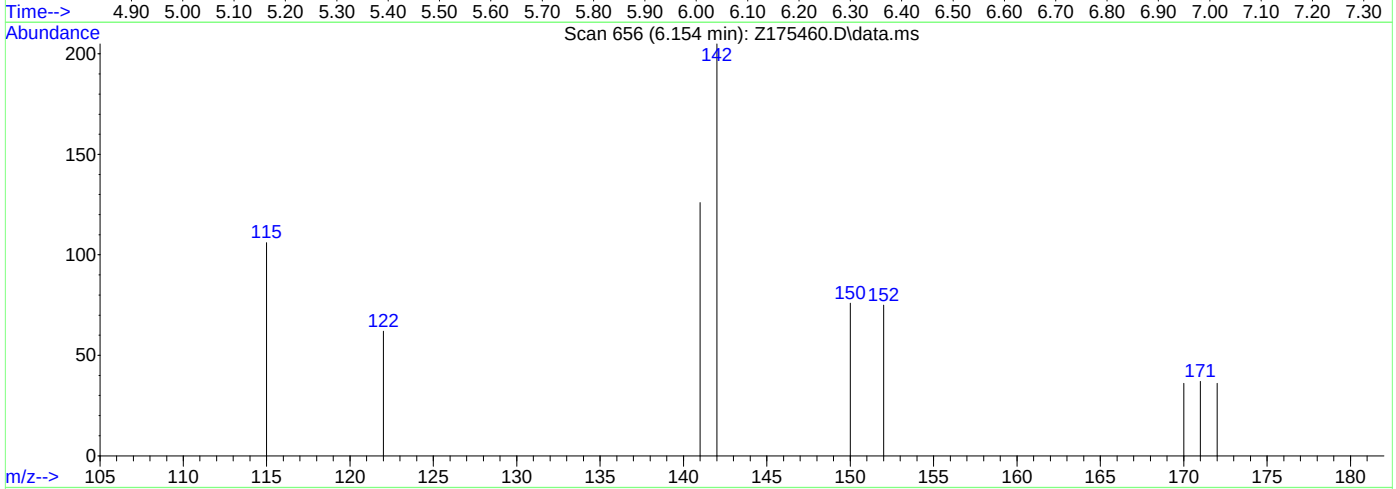
Ion	Exp%	Act%
88.00	100	100
58.00	35.60	56.21#
57.00	20.00	25.16
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175460.D
Acq On : 10 Sep 2025 3:09 pm
Operator : rocquans
Sample : ic8654-0.5
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 10 16:27:21 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175460.D\data.ms

(36) 1-Methylnaphthalene-d10a

6.154min (+0.066) 800.00ppb

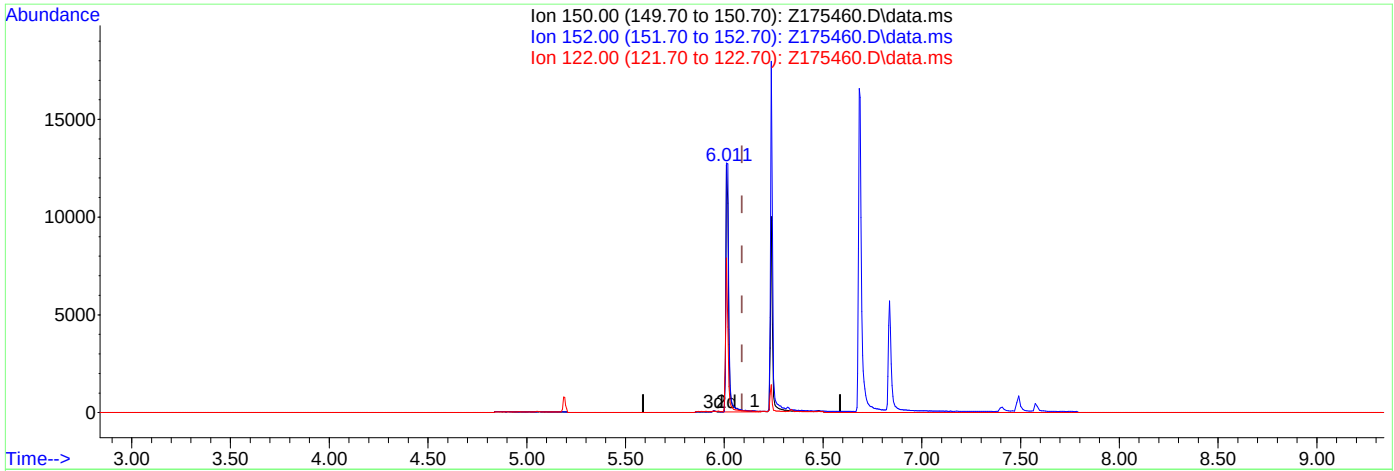
response 13

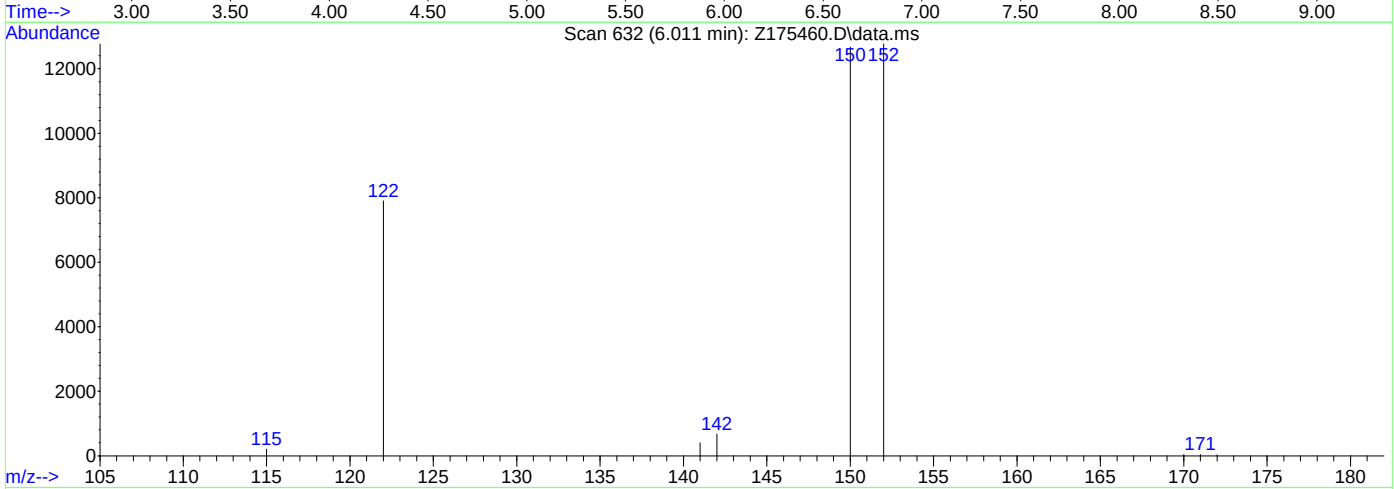
Ion	Exp%	Act%
150.00	100	100
152.00	80.50	50.00#
122.00	40.20	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175460.D
Acq On : 10 Sep 2025 3:09 pm
Operator : rocquans
Sample : ic8654-0.5
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 10 16:27:21 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175460.D\data.ms

(36) 1-Methylnaphthalene-d10a

6.011min (-0.077) 800.00ppb m

response 11741

Ion	Exp%	Act%
150.00	100	100
152.00	80.50	100.80
122.00	40.20	62.36#
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
09/15/25 15:51

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175461.D
Acq On : 10 Sep 2025 3:36 pm
Operator : rocquans
Sample : ic8654-1
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 11 11:57:56 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration

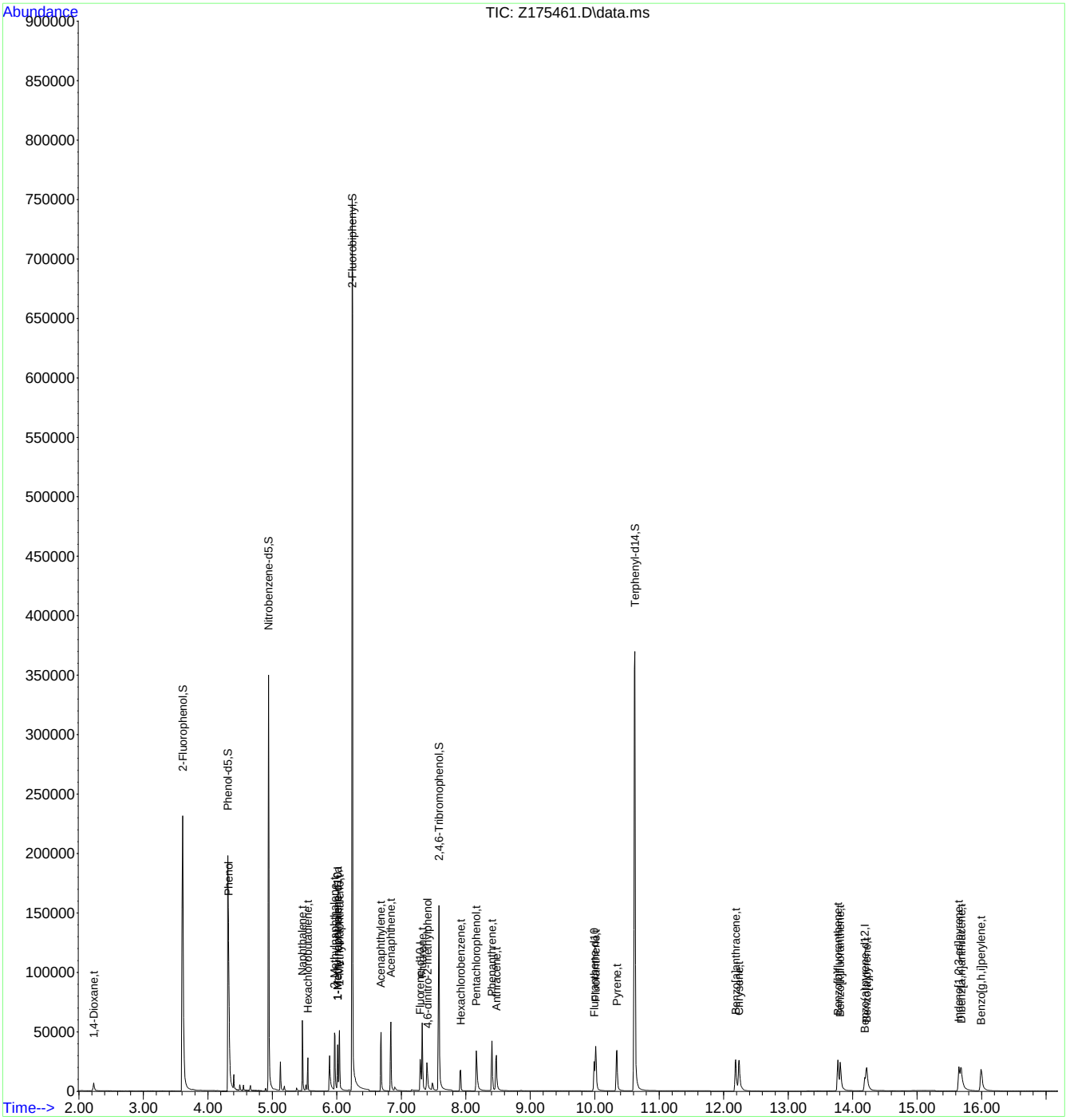
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	6.011	150	11366	800.00	ppb	0.00
12) Fluorene-d10	7.292	176	15093	800.00	ppb	-0.01
19) Fluoranthene-d10	9.992	212	25028	800.00	ppb	0.00
29) Benzo(a)pyrene-d12	14.186	264	16881	800.00	ppb	-0.01
36) 1-Methylnaphthalene-d10a	6.011	150	11540m	800.00	ppb	-0.08
System Monitoring Compounds						
3) 2-Fluorophenol	3.610	112	143529	16620.33	ppb	-0.01
Spiked Amount 10000.000			Recovery = 166.20%			
4) Phenol-d5	4.310	99	179931	19051.92	ppb	-0.01
Spiked Amount 10000.000			Recovery = 190.52%			
6) Nitrobenzene-d5	4.941	82	192862	18390.34	ppb	0.00
Spiked Amount 10000.000			Recovery = 183.90%			
13) 2-Fluorobiphenyl	6.238	172	354819	15881.18	ppb	0.00
Spiked Amount 10000.000			Recovery = 158.81%			
18) 2,4,6-Tribromophenol	7.585	330	73195	18359.24	ppb	0.00
Spiked Amount 10000.000			Recovery = 183.59%			
26) Terphenyl-d14	10.624	244	358179	16073.74	ppb	0.00
Spiked Amount 10000.000			Recovery = 160.74%			
Target Compounds						Qvalue
2) 1,4-Dioxane	2.229	88	4684m	1017.12	ppb	
5) Phenol	4.321	94	49071	5125.10	ppb	92
7) Naphthalene	5.466	128	33491	1030.82	ppb	98
8) Hexachlorobutadiene	5.550	225	7930	919.90	ppb	91
9) 2-Methylnaphthalene	5.964	141	19197	952.26	ppb	95
10) 1-Methylnaphthalene	6.041	141	17625	854.55	ppb	92
14) Acenaphthylene	6.684	152	33004	1021.82	ppb	98
15) Acenaphthene	6.837	153	21726	956.36	ppb	97
16) Fluorene	7.323	166	25555	976.29	ppb	94
17) 4,6-dinitro-2-methylph...	7.407	198	16662	8391.29	ppb #	63
20) Hexachlorobenzene	7.921	284	9047	1002.65	ppb	86
21) Pentachlorophenol	8.163	266	22862	7659.91	ppb	93
22) Phenanthrene	8.406	178	34144	1078.26	ppb	99
23) Anthracene	8.474	178	35662	907.19	ppb	96
24) Fluoranthene	10.016	202	37042	982.77	ppb	97
25) Pyrene	10.345	202	38775	977.28	ppb	96
27) Benzo[a]anthracene	12.186	228	28984	1152.48	ppb	99
28) Chrysene	12.238	228	36098	835.79	ppb	98
30) Benzo[b]fluoranthene	13.772	252	30405	1300.94	ppb	97
31) Benzo[k]fluoranthene	13.806	252	29651	803.93	ppb	99
32) Benzo[a]pyrene	14.221	252	28968	1027.39	ppb	95
33) Indeno[1,2,3-cd]pyrene	15.646	276	37957	1189.68	ppb	99
34) Dibenz[a,h]anthracene	15.684	278	30082	1138.39	ppb	91
35) Benzo[g,h,i]perylene	15.992	276	32562	1170.00	ppb	100

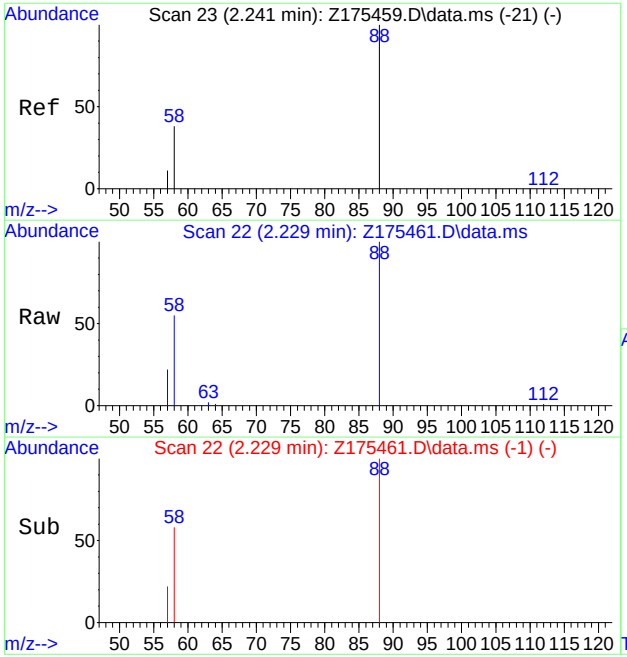
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175461.D
Acq On : 10 Sep 2025 3:36 pm
Operator : rocquans
Sample : ic8654-1
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 11 11:57:56 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration

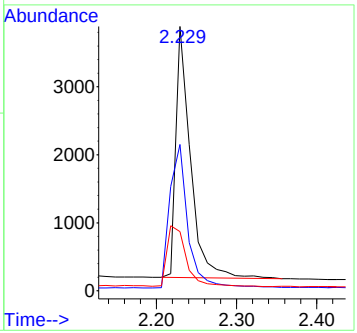


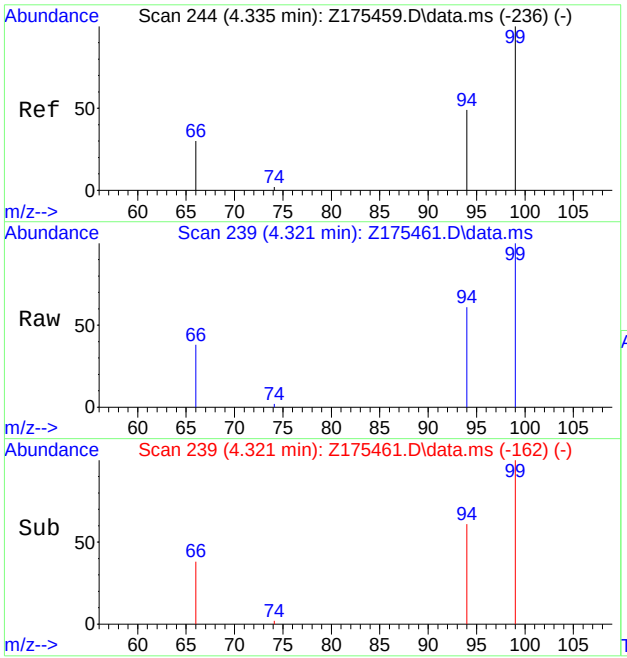


#2
1,4-Dioxane
Concen: 1017.12 ppb m
RT: 2.229 min Scan# 22
Delta R.T. -0.011 min
Lab File: Z175461.D
Acq: 10 Sep 2025 3:36 pm

Tgt Ion: 88 Resp: 4684

Ion	Ratio	Lower	Upper
88	100		
58	55.3	15.6	55.6
57	22.3	0.0	40.0

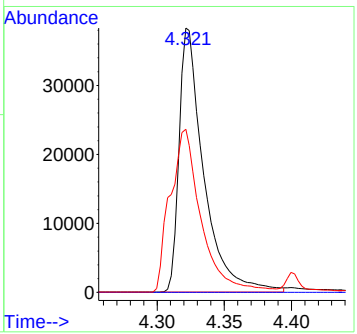


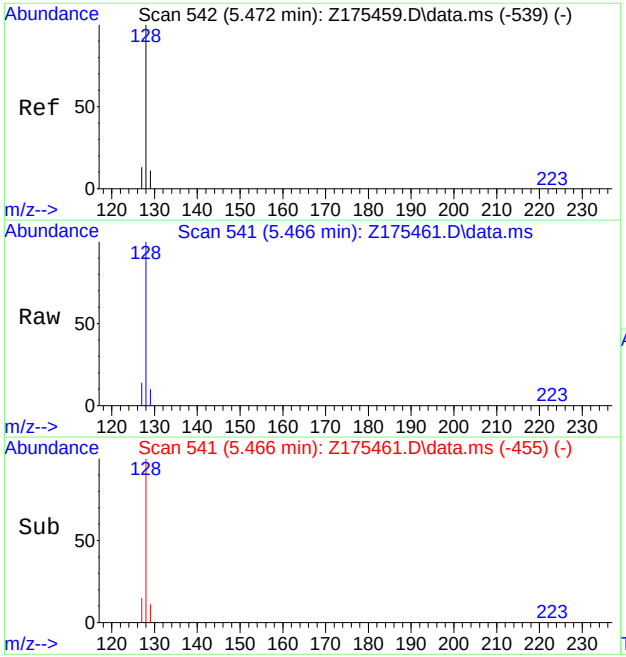


#5
Phenol
Concen: 5125.10 ppb
RT: 4.321 min Scan# 239
Delta R.T. -0.013 min
Lab File: Z175461.D
Acq: 10 Sep 2025 3:36 pm

Tgt Ion: 94 Resp: 49071

Ion	Ratio	Lower	Upper
94	100		
65	0.0	0.0	0.0
66	55.9	49.8	74.8

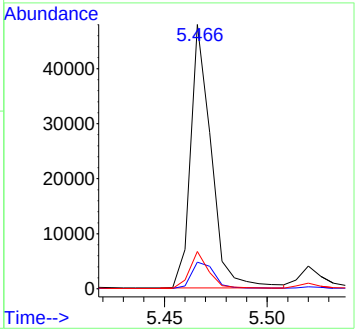


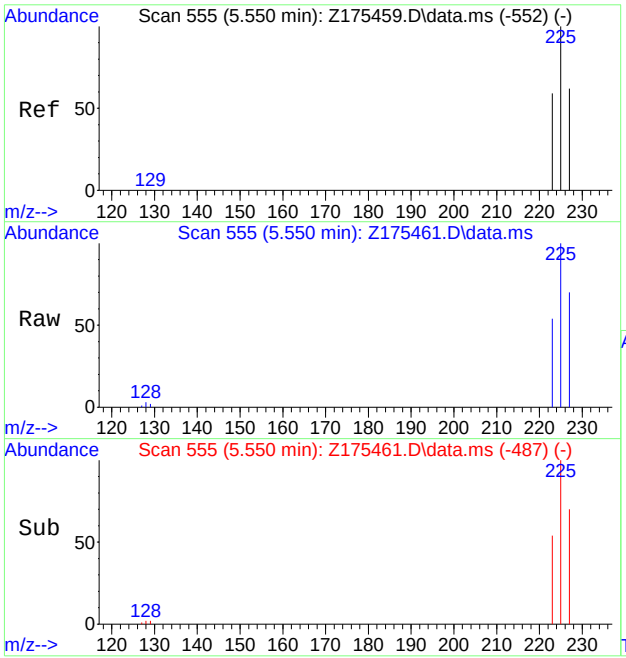


#7
Naphthalene
Concen: 1030.82 ppb
RT: 5.466 min Scan# 541
Delta R.T. -0.006 min
Lab File: Z175461.D
Acq: 10 Sep 2025 3:36 pm

Tgt Ion:128 Resp: 33491

Ion	Ratio	Lower	Upper
128	100		
129	10.0	0.0	40.6
127	14.1	0.0	43.3

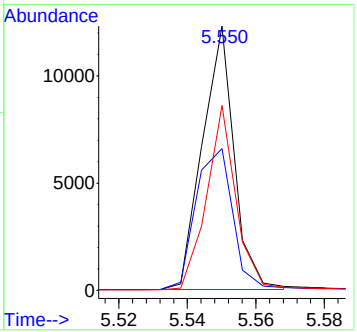


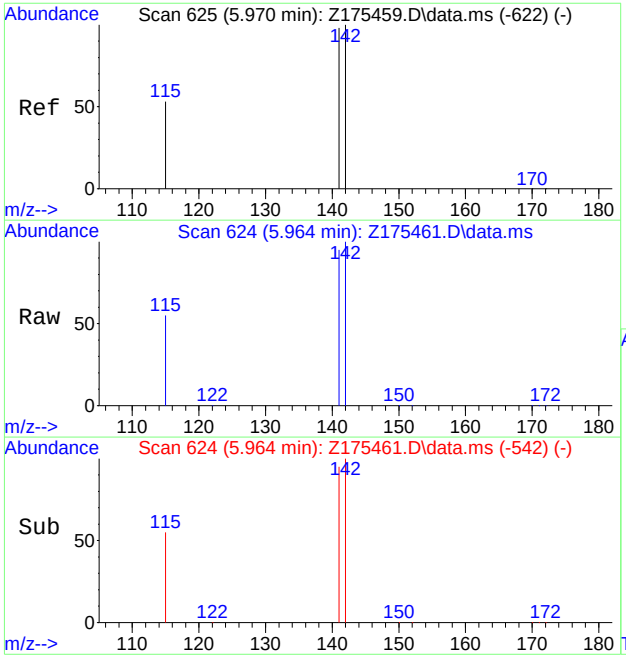


#8
Hexachlorobutadiene
Concen: 919.90 ppb
RT: 5.550 min Scan# 555
Delta R.T. 0.000 min
Lab File: Z175461.D
Acq: 10 Sep 2025 3:36 pm

Tgt Ion:225 Resp: 7930

Ion	Ratio	Lower	Upper
225	100		
223	53.4	29.0	89.0
227	69.8	32.1	92.1

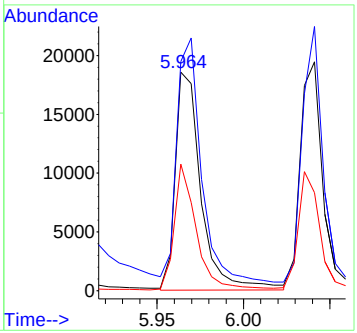


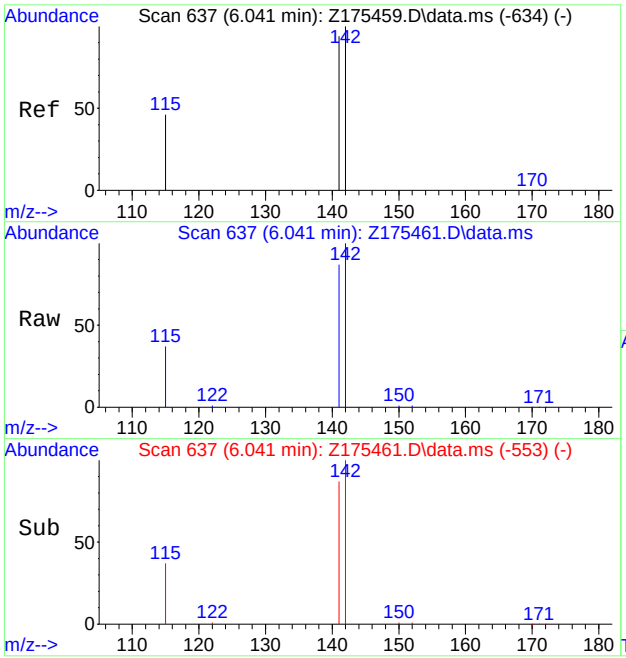


#9
2-Methylnaphthalene
Concen: 952.26 ppb
RT: 5.964 min Scan# 624
Delta R.T. -0.006 min
Lab File: Z175461.D
Acq: 10 Sep 2025 3:36 pm

Tgt Ion:141 Resp: 19197

Ion	Ratio	Lower	Upper
141	100		
142	101.6	77.1	137.1
115	58.0	24.3	84.3

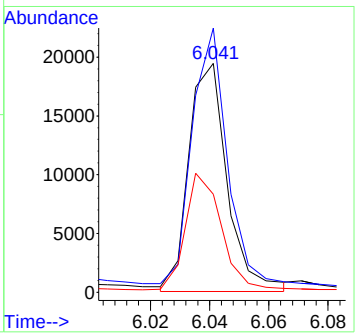


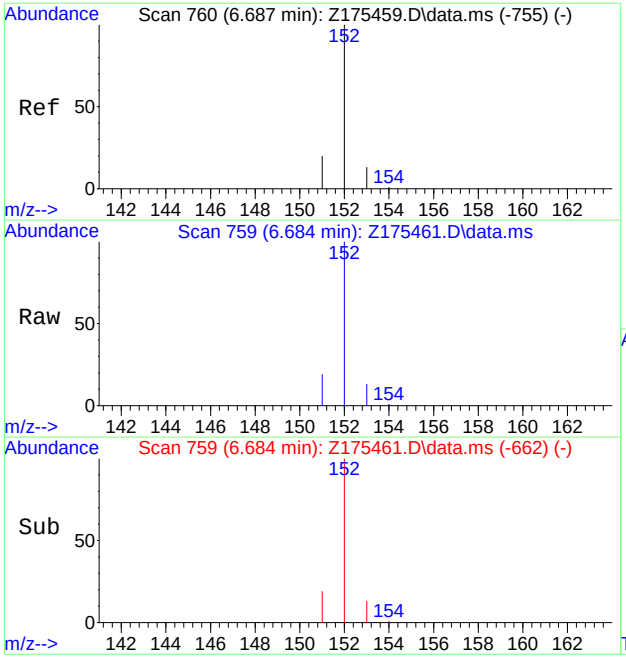


#10
1-Methylnaphthalene
Concen: 854.55 ppb
RT: 6.041 min Scan# 637
Delta R.T. 0.000 min
Lab File: Z175461.D
Acq: 10 Sep 2025 3:36 pm

Tgt Ion:141 Resp: 17625

Ion	Ratio	Lower	Upper
141	100		
142	115.2	77.6	137.6
115	42.8	19.1	79.1

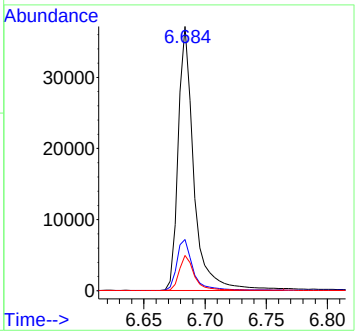


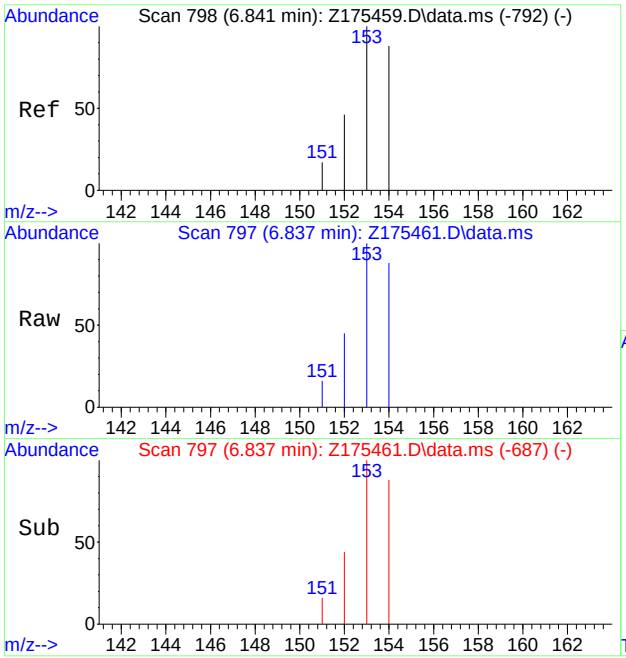


#14
Acenaphthylene
Concen: 1021.82 ppb
RT: 6.684 min Scan# 759
Delta R.T. -0.004 min
Lab File: Z175461.D
Acq: 10 Sep 2025 3:36 pm

Tgt Ion:152 Resp: 33004

Ion	Ratio	Lower	Upper
152	100		
151	19.3	0.0	50.1
153	13.3	0.0	42.6

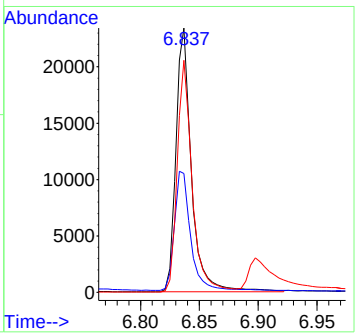


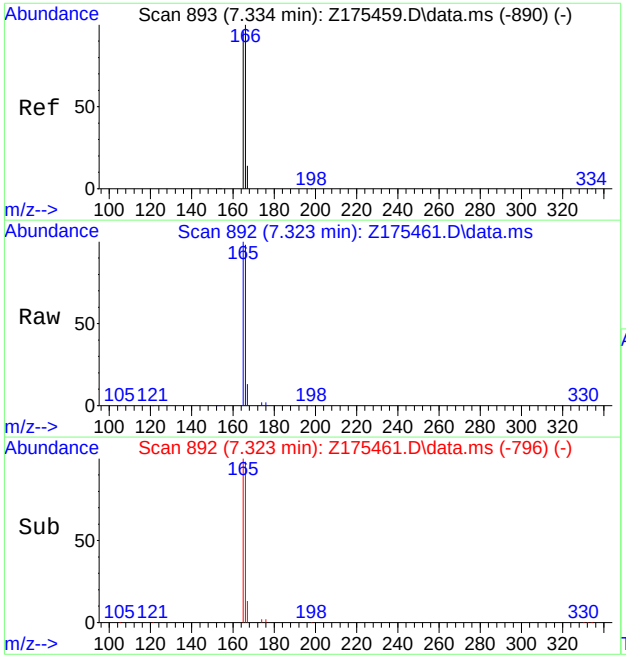


#15
Acenaphthene
Concen: 956.36 ppb
RT: 6.837 min Scan# 797
Delta R.T. -0.004 min
Lab File: Z175461.D
Acq: 10 Sep 2025 3:36 pm

Tgt Ion:153 Resp: 21726

Ion	Ratio	Lower	Upper
153	100		
152	44.4	16.6	76.6
154	85.7	57.9	117.9

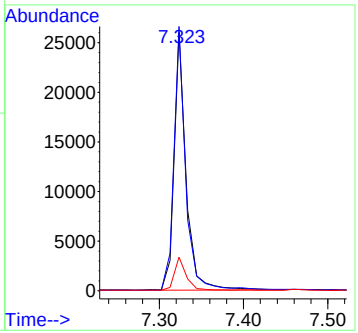


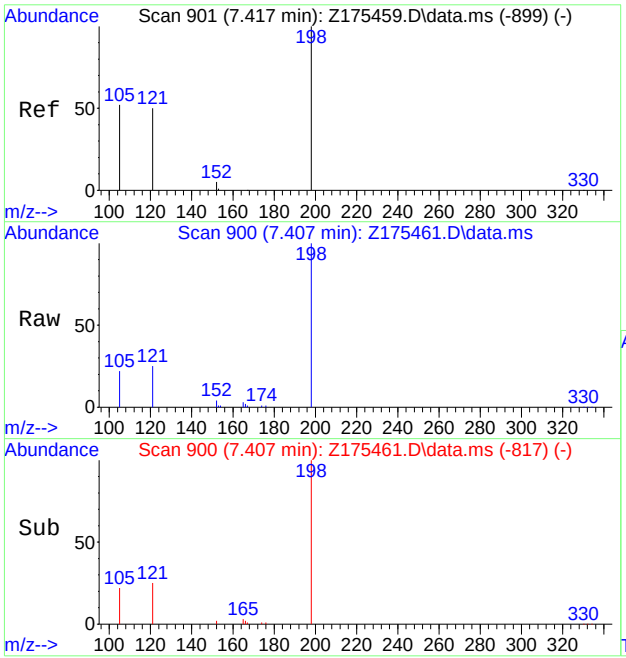


#16
Fluorene
Concen: 976.29 ppb
RT: 7.323 min Scan# 892
Delta R.T. -0.010 min
Lab File: Z175461.D
Acq: 10 Sep 2025 3:36 pm

Tgt Ion:166 Resp: 25555

Ion	Ratio	Lower	Upper
166	100		
165	102.4	65.8	125.8
167	12.9	0.0	43.5

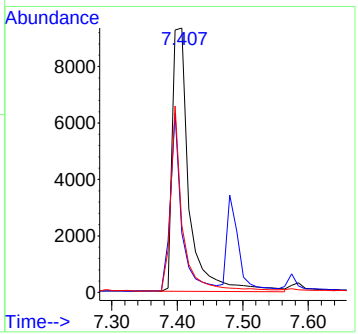


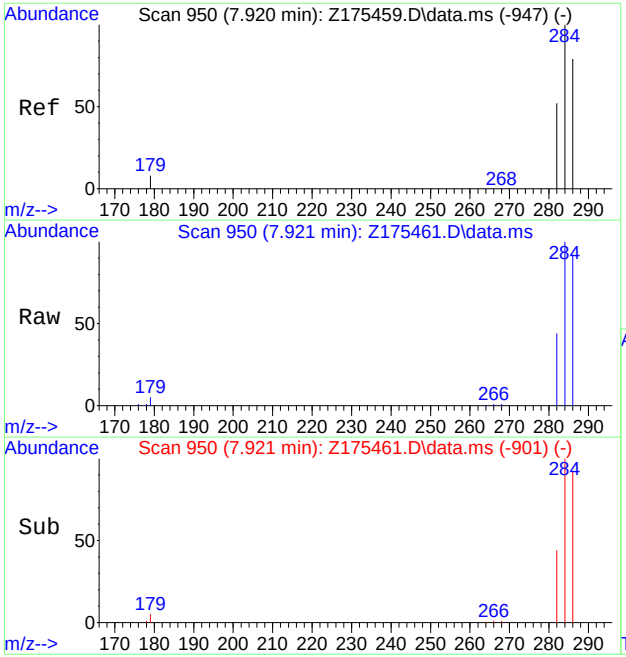


#17
4,6-dinitro-2-methylphenol
Concen: 8391.29 ppb
RT: 7.407 min Scan# 900
Delta R.T. -0.010 min
Lab File: Z175461.D
Acq: 10 Sep 2025 3:36 pm

Tgt Ion:198 Resp: 16662

Ion	Ratio	Lower	Upper
198	100		
105	21.3	25.6	65.6#
121	24.9	29.8	69.8#

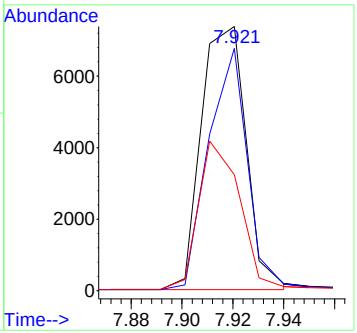


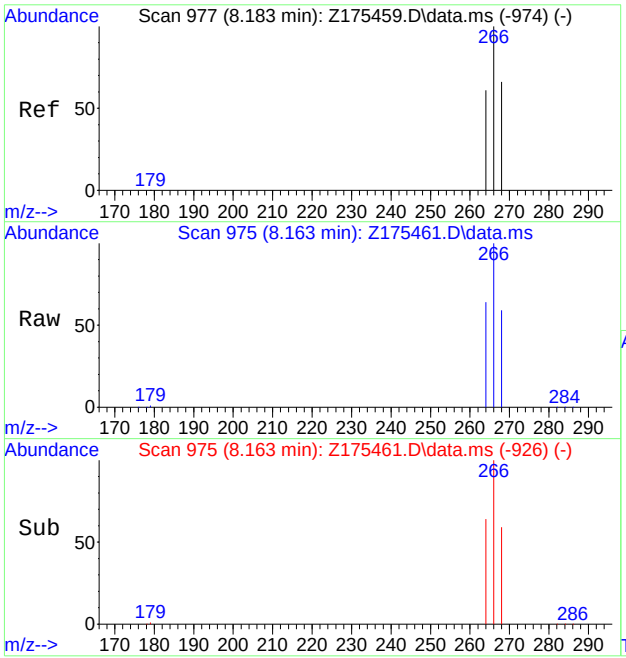


#20
Hexachlorobenzene
Concen: 1002.65 ppb
RT: 7.921 min Scan# 950
Delta R.T. 0.000 min
Lab File: Z175461.D
Acq: 10 Sep 2025 3:36 pm

Tgt Ion:284 Resp: 9047

Ion	Ratio	Lower	Upper
284	100		
286	91.6	48.9	108.9
282	43.5	22.1	82.1

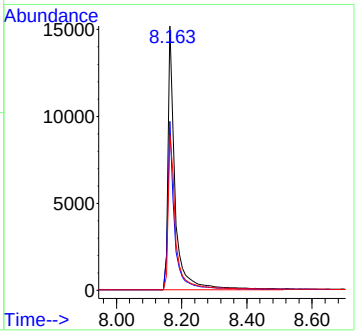


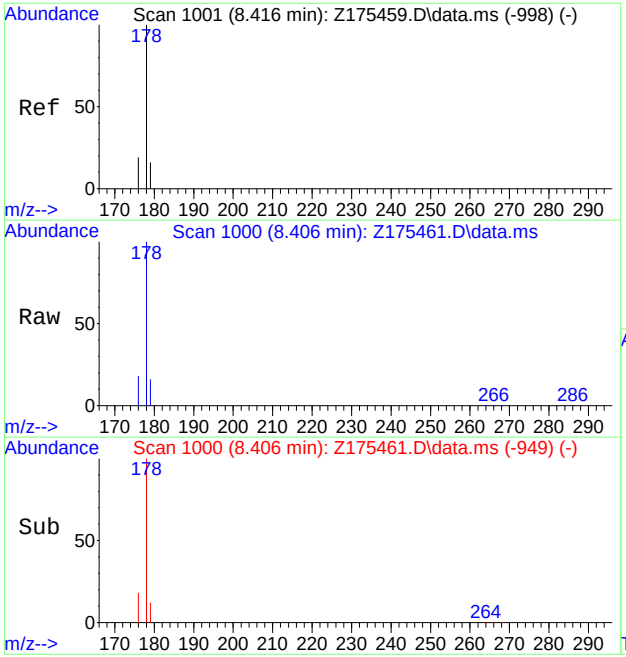


#21
Pentachlorophenol
Concen: 7659.91 ppb
RT: 8.163 min Scan# 975
Delta R.T. -0.019 min
Lab File: Z175461.D
Acq: 10 Sep 2025 3:36 pm

Tgt Ion:266 Resp: 22862

Ion	Ratio	Lower	Upper
266	100		
264	63.9	30.8	90.8
268	58.7	36.3	96.3

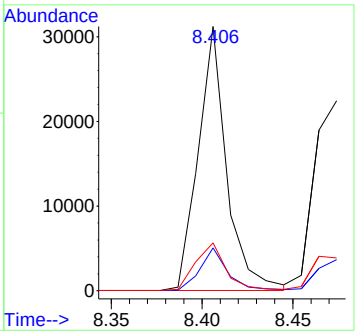


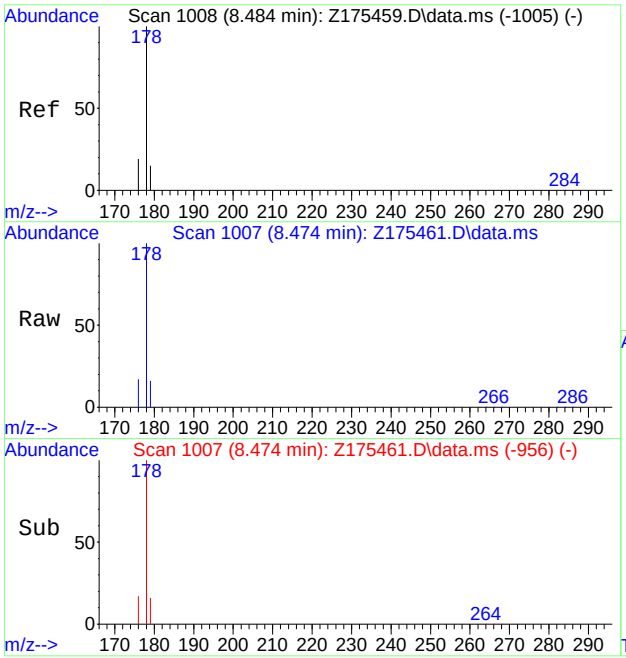


#22
Phenanthrene
Concen: 1078.26 ppb
RT: 8.406 min Scan# 1000
Delta R.T. -0.010 min
Lab File: Z175461.D
Acq: 10 Sep 2025 3:36 pm

Tgt Ion:178 Resp: 34144

Ion	Ratio	Lower	Upper
178	100		
179	16.2	0.0	45.6
176	18.1	0.0	48.6

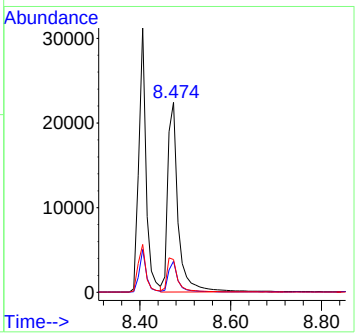


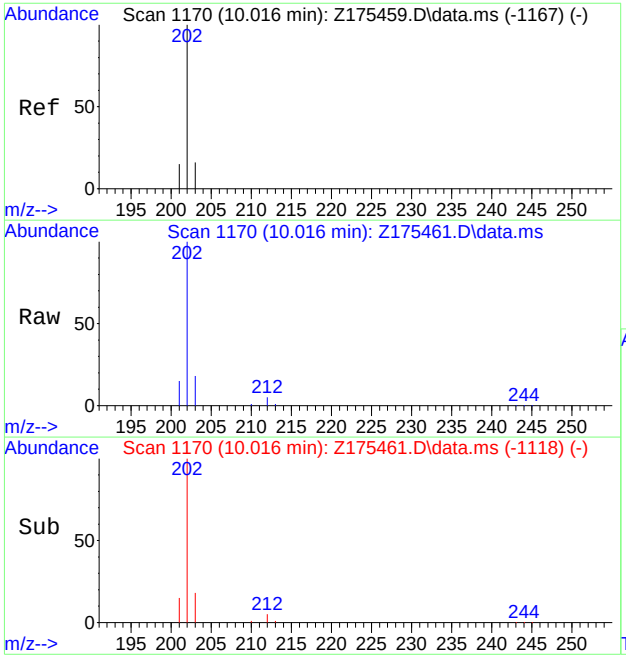


#23
Anthracene
Concen: 907.19 ppb
RT: 8.474 min Scan# 1007
Delta R.T. -0.010 min
Lab File: Z175461.D
Acq: 10 Sep 2025 3:36 pm

Tgt Ion:178 Resp: 35662

Ion	Ratio	Lower	Upper
178	100		
179	16.3	0.0	44.8
176	17.0	0.0	48.7

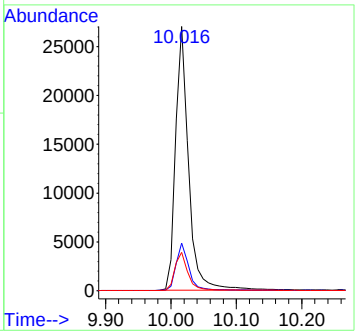


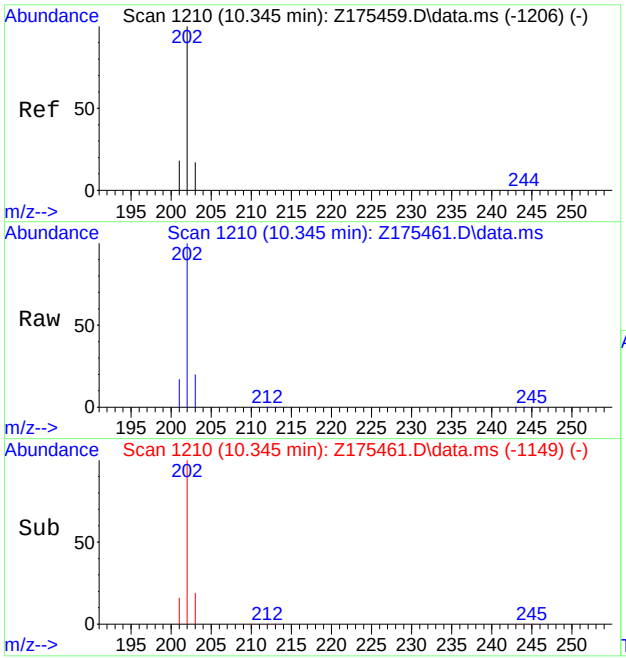


#24
Fluoranthene
Concen: 982.77 ppb
RT: 10.016 min Scan# 1170
Delta R.T. 0.000 min
Lab File: Z175461.D
Acq: 10 Sep 2025 3:36 pm

Tgt Ion:202 Resp: 37042

Ion	Ratio	Lower	Upper
202	100		
203	17.9	0.0	46.4
201	14.4	0.0	45.1

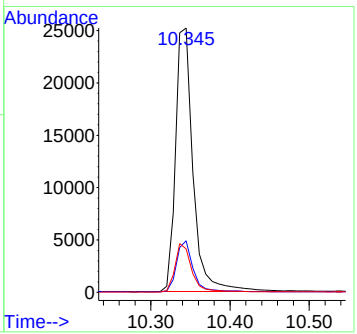


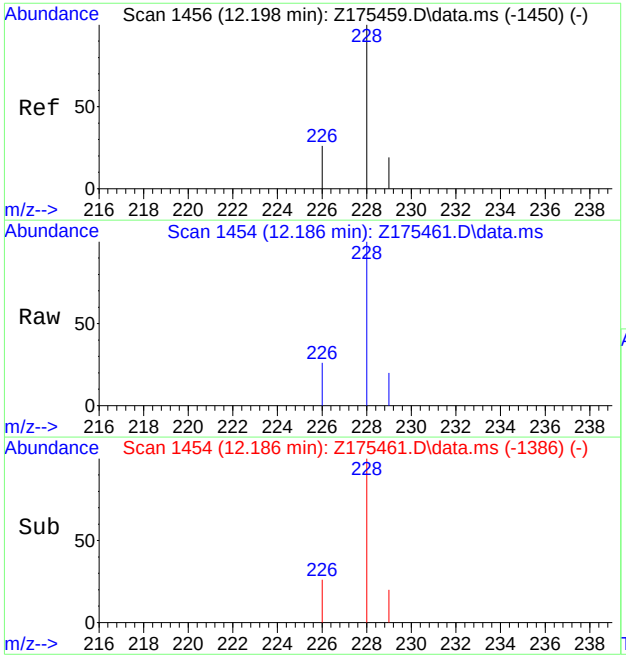


#25
Pyrene
Concen: 977.28 ppb
RT: 10.345 min Scan# 1210
Delta R.T. 0.000 min
Lab File: Z175461.D
Acq: 10 Sep 2025 3:36 pm

Tgt Ion:202 Resp: 38775

Ion	Ratio	Lower	Upper
202	100		
203	19.4	0.0	47.4
201	16.4	0.0	47.8

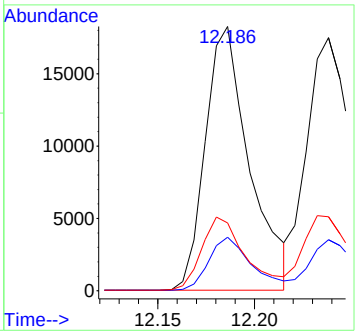


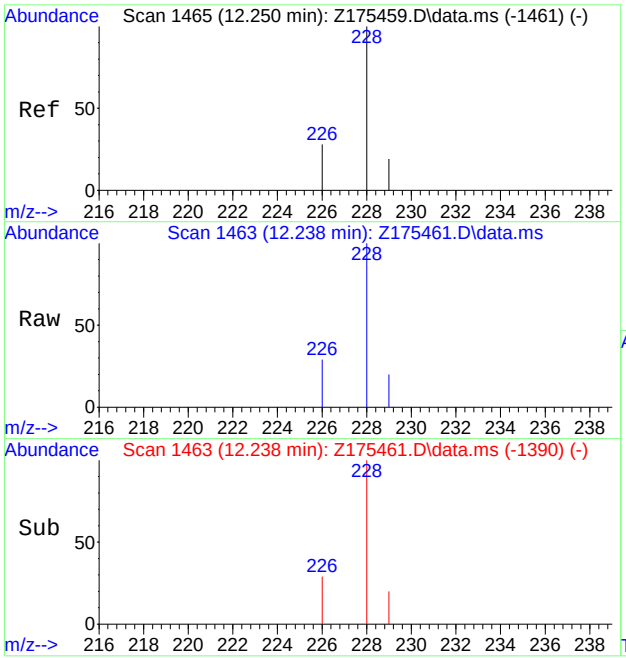


#27
Benzo[a]anthracene
Concen: 1152.48 ppb
RT: 12.186 min Scan# 1454
Delta R.T. -0.011 min
Lab File: Z175461.D
Acq: 10 Sep 2025 3:36 pm

Tgt Ion:228 Resp: 28984

Ion	Ratio	Lower	Upper
228	100		
229	20.1	0.0	49.3
226	25.2	0.0	55.6

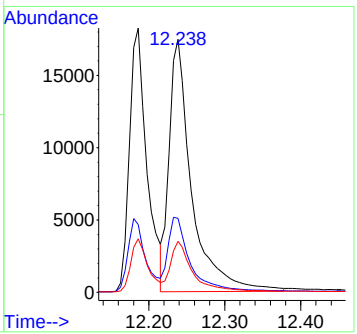


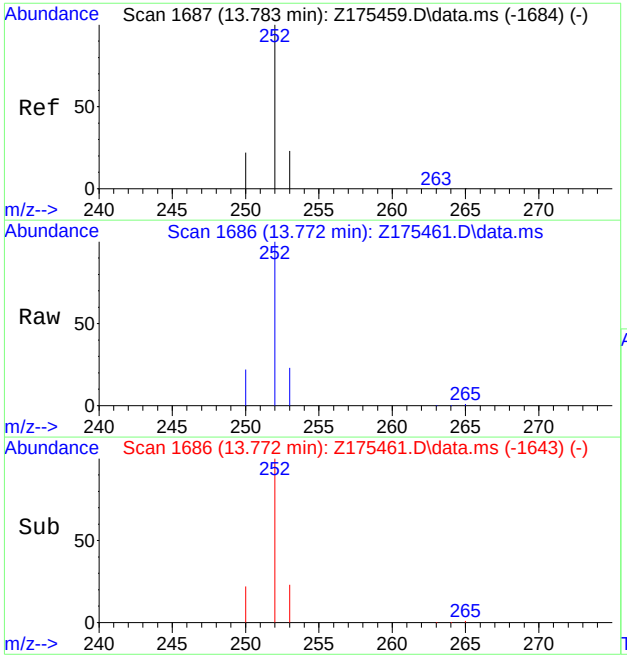


#28
Chrysene
Concen: 835.79 ppb
RT: 12.238 min Scan# 1463
Delta R.T. -0.011 min
Lab File: Z175461.D
Acq: 10 Sep 2025 3:36 pm

Tgt Ion:228 Resp: 36098

Ion	Ratio	Lower	Upper
228	100		
226	29.2	0.0	58.4
229	20.0	0.0	49.1

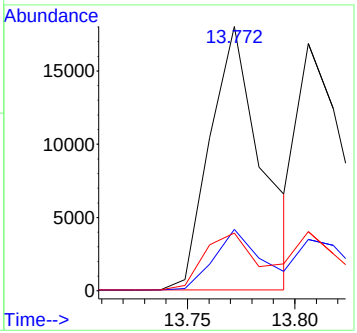


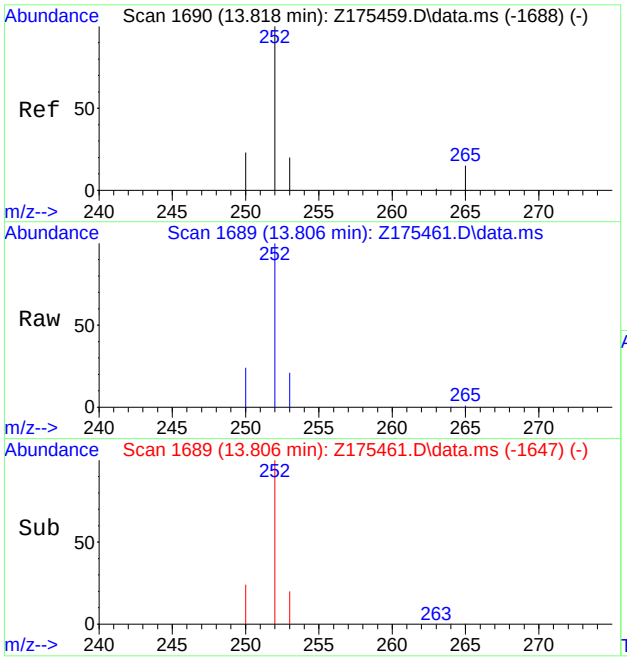


#30
Benzo[b]fluoranthene
Concen: 1300.94 ppb
RT: 13.772 min Scan# 1686
Delta R.T. -0.011 min
Lab File: Z175461.D
Acq: 10 Sep 2025 3:36 pm

Tgt Ion:252 Resp: 30405

Ion	Ratio	Lower	Upper
252	100		
253	23.7	0.0	52.6
250	20.4	0.0	51.9

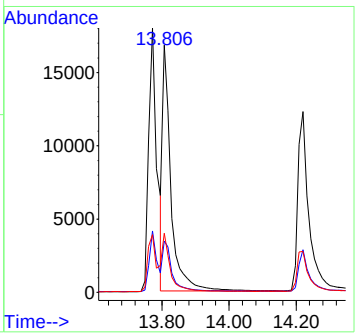


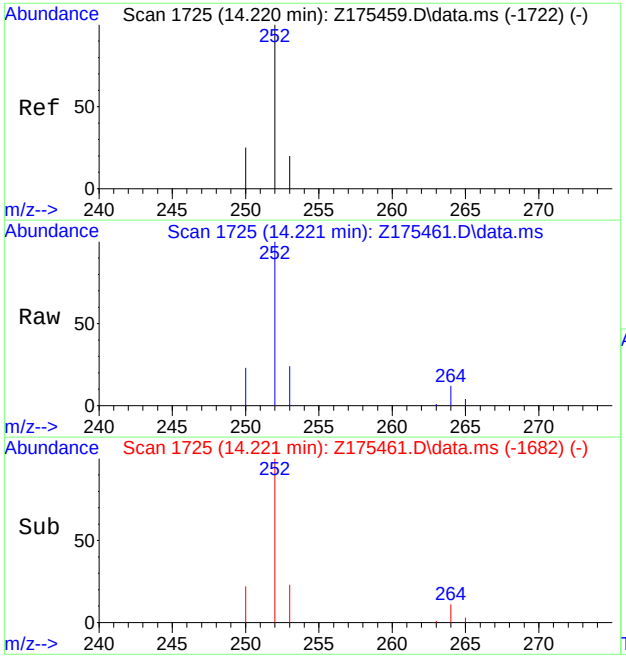


#31
Benzo[k]fluoranthene
Concen: 803.93 ppb
RT: 13.806 min Scan# 1689
Delta R.T. -0.011 min
Lab File: Z175461.D
Acq: 10 Sep 2025 3:36 pm

Tgt Ion:252 Resp: 29651

Ion	Ratio	Lower	Upper
252	100		
253	20.7	0.0	51.0
250	22.8	0.0	53.1

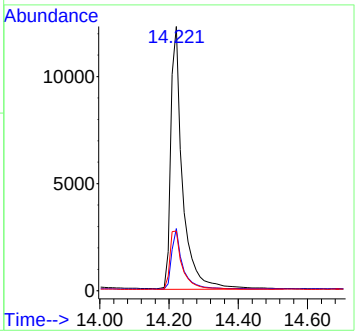


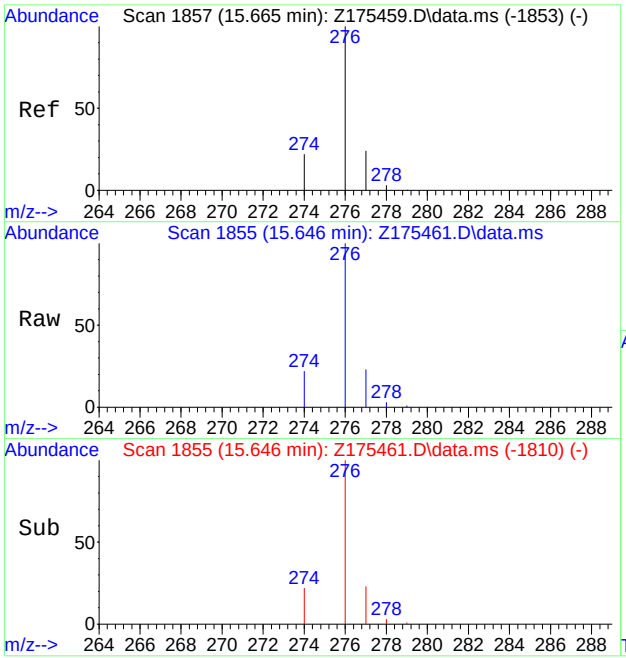


#32
Benzo[a]pyrene
Concen: 1027.39 ppb
RT: 14.221 min Scan# 1725
Delta R.T. 0.000 min
Lab File: Z175461.D
Acq: 10 Sep 2025 3:36 pm

Tgt Ion:252 Resp: 28968

Ion	Ratio	Lower	Upper
252	100		
253	23.1	0.0	50.2
250	22.2	0.0	54.3

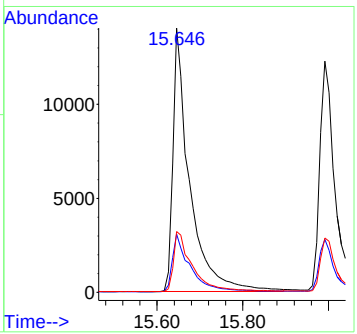


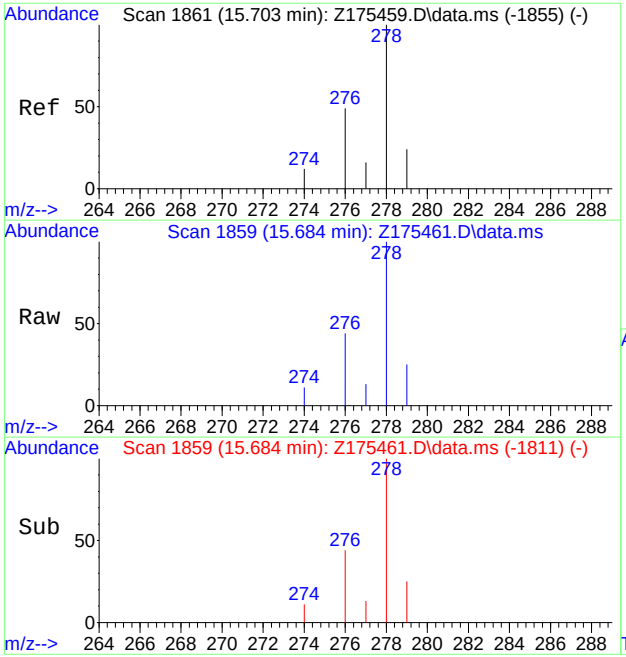


#33
Indeno[1,2,3-cd]pyrene
Concen: 1189.68 ppb
RT: 15.646 min Scan# 1855
Delta R.T. -0.019 min
Lab File: Z175461.D
Acq: 10 Sep 2025 3:36 pm

Tgt Ion:276 Resp: 37957

Ion	Ratio	Lower	Upper
276	100		
274	21.9	0.0	51.7
277	22.7	0.0	53.6

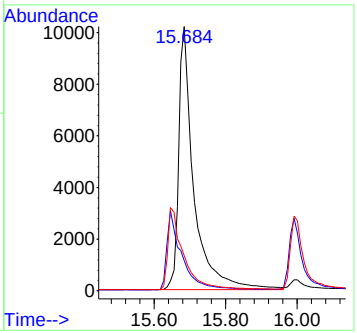


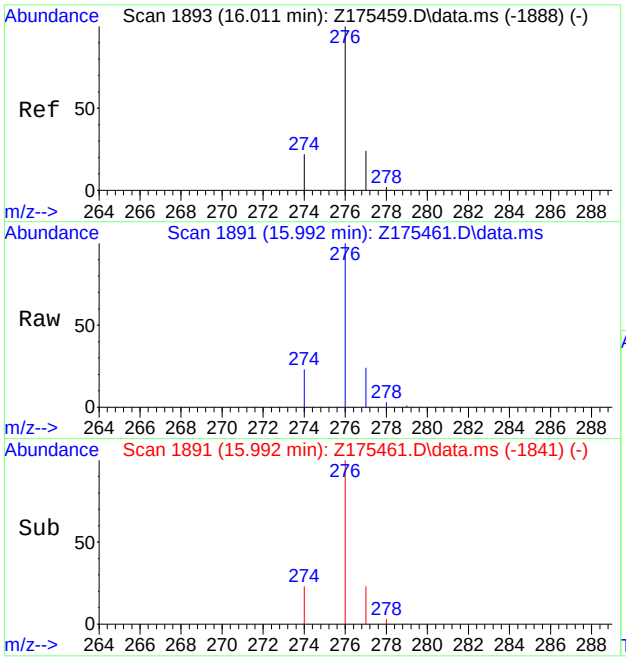


#34
Dibenz[a,h]anthracene
Concen: 1138.39 ppb
RT: 15.684 min Scan# 1859
Delta R.T. -0.019 min
Lab File: Z175461.D
Acq: 10 Sep 2025 3:36 pm

Tgt Ion:278 Resp: 30082

Ion	Ratio	Lower	Upper
278	100		
274	10.5	0.0	44.0
277	12.8	0.0	46.5

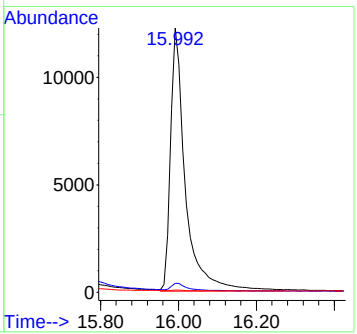




#35
Benzo[g,h,i]perylene
Concen: 1170.00 ppb
RT: 15.992 min Scan# 1891
Delta R.T. -0.019 min
Lab File: Z175461.D
Acq: 10 Sep 2025 3:36 pm

Tgt Ion:276 Resp: 32562

Ion	Ratio	Lower	Upper
276	100		
278	2.7	0.0	32.8
279	0.2	0.0	30.0



Manual Integration Approval Summary

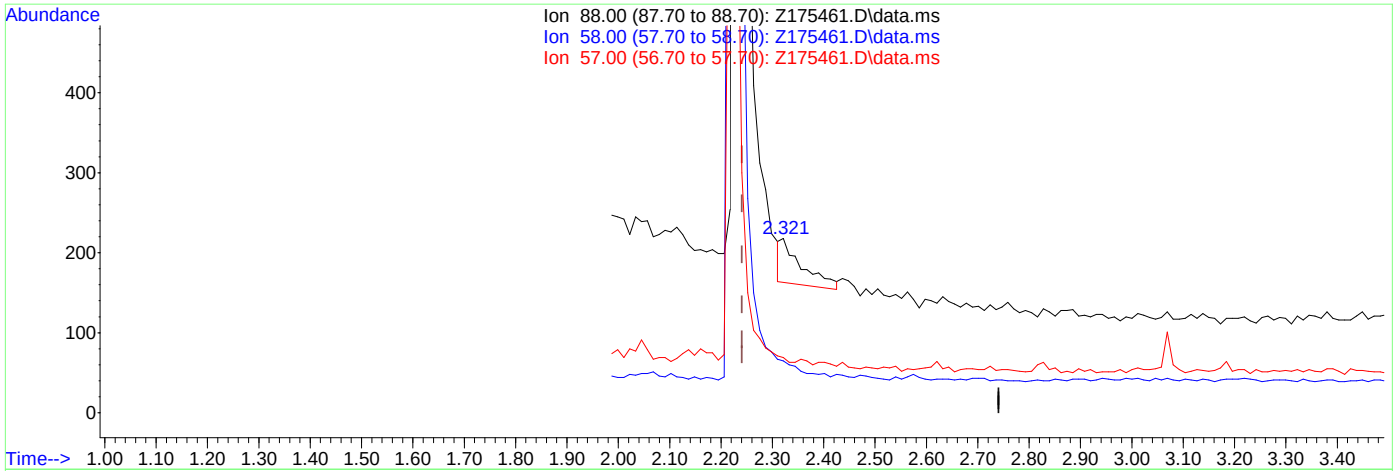
Sample Number: EZ8654-IC8654
Lab FileID: Z175461.D
Injection Time: 09/10/25 15:36
Method: SW846 8270E BY SIM
Analyst approved: 09/11/25 12:07 Ying Li
Supervisor approved: 09/15/25 15:51 Nina Pandya

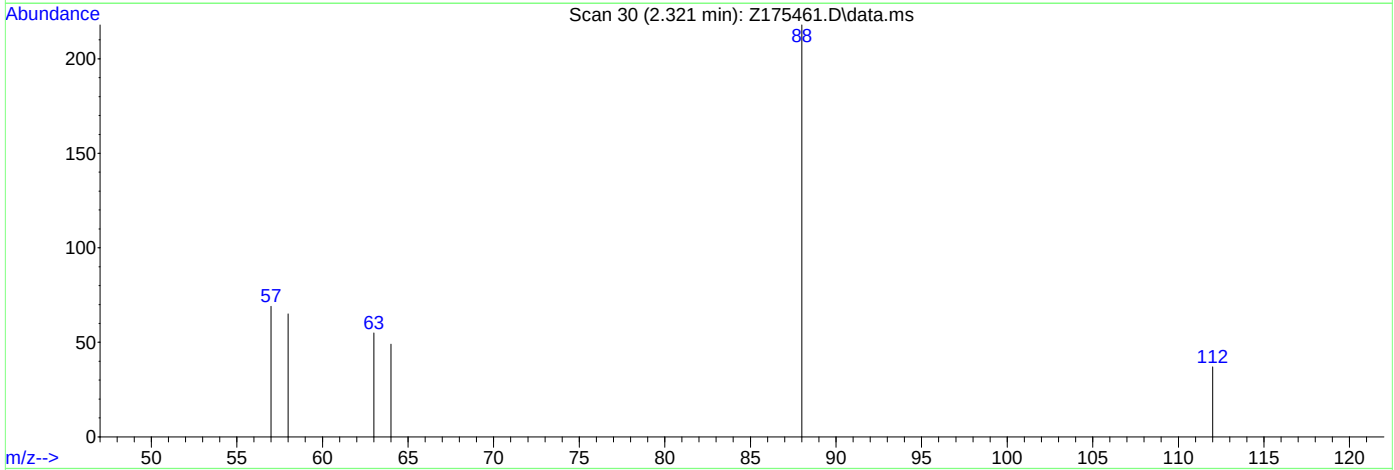
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,4-Dioxane	123-91-1		2.23	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175461.D
Acq On : 10 Sep 2025 3:36 pm
Operator : rocquans
Sample : ic8654-1
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 10 16:28:09 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175461.D\data.ms

(2) 1,4-Dioxane (t)

2.321min (+0.081) 33.87ppb

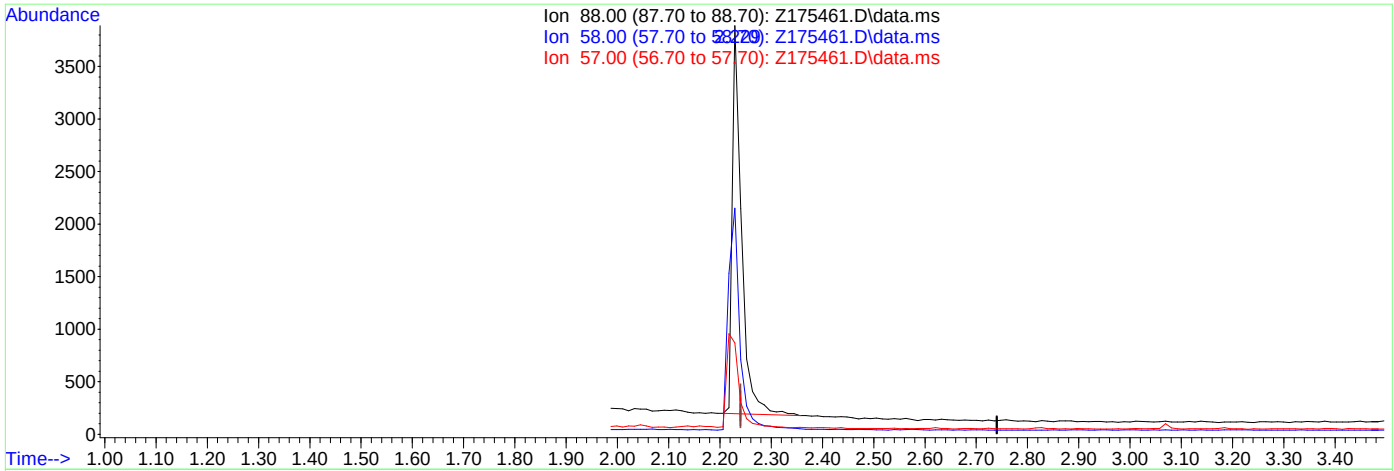
response 156

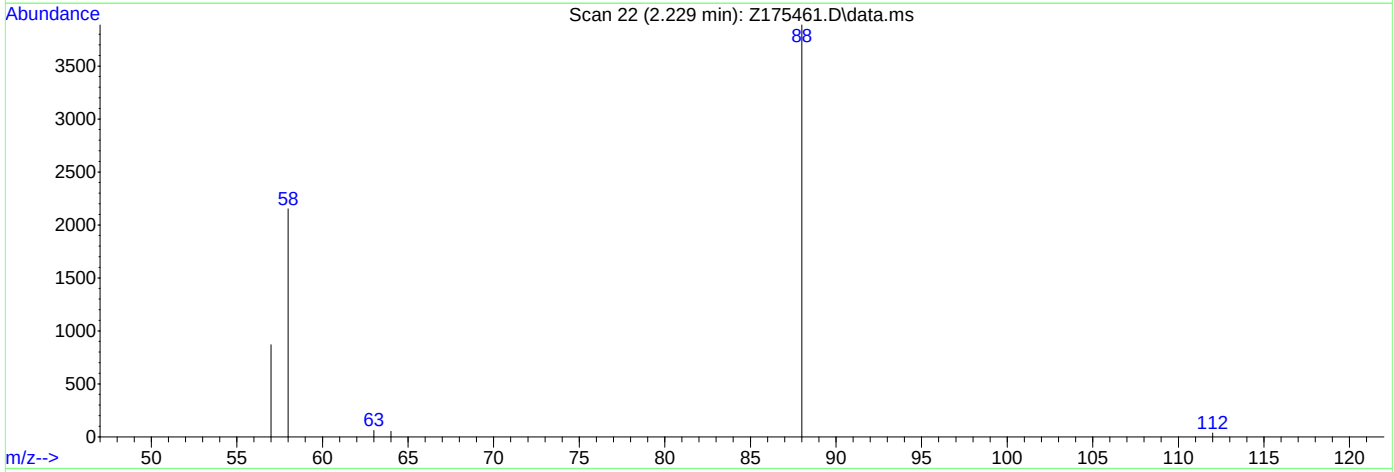
Ion	Exp%	Act%
88.00	100	100
58.00	35.60	25.86
57.00	20.00	15.52
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175461.D
Acq On : 10 Sep 2025 3:36 pm
Operator : rocquans
Sample : ic8654-1
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 10 16:28:09 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175461.D\data.ms

(2) 1,4-Dioxane (t)

2.229min (-0.011) 1017.12ppb m

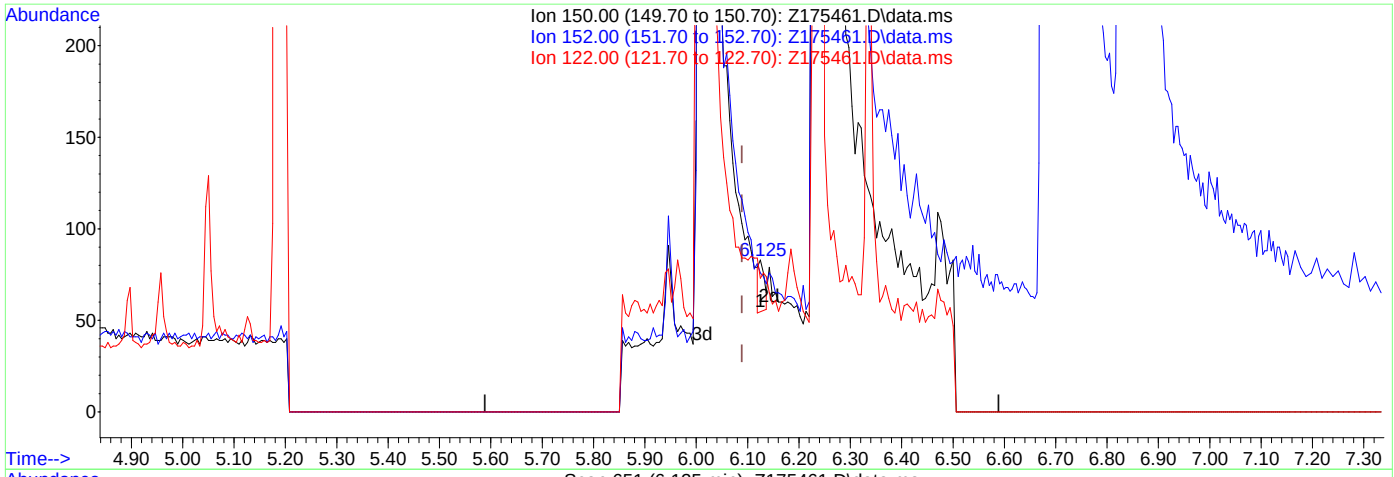
response 4684

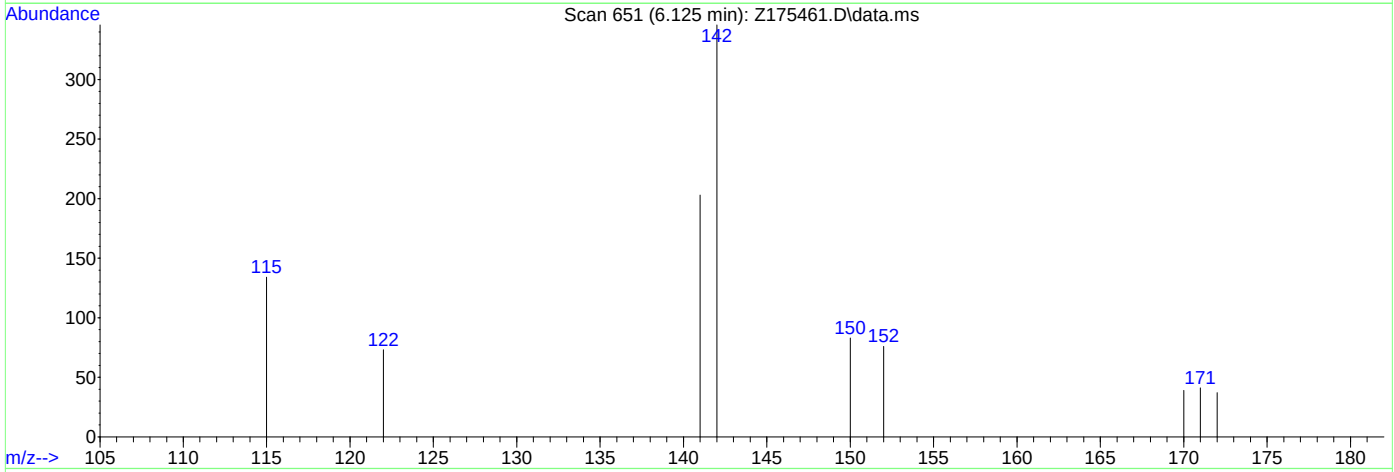
Ion	Exp%	Act%
88.00	100	100
58.00	35.60	55.34
57.00	20.00	22.35
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175461.D
Acq On : 10 Sep 2025 3:36 pm
Operator : rocquans
Sample : ic8654-1
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 10 16:29:02 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175461.D\data.ms

(36) 1-Methylnaphthalene-d10a

6.125min (+0.036) 800.00ppb

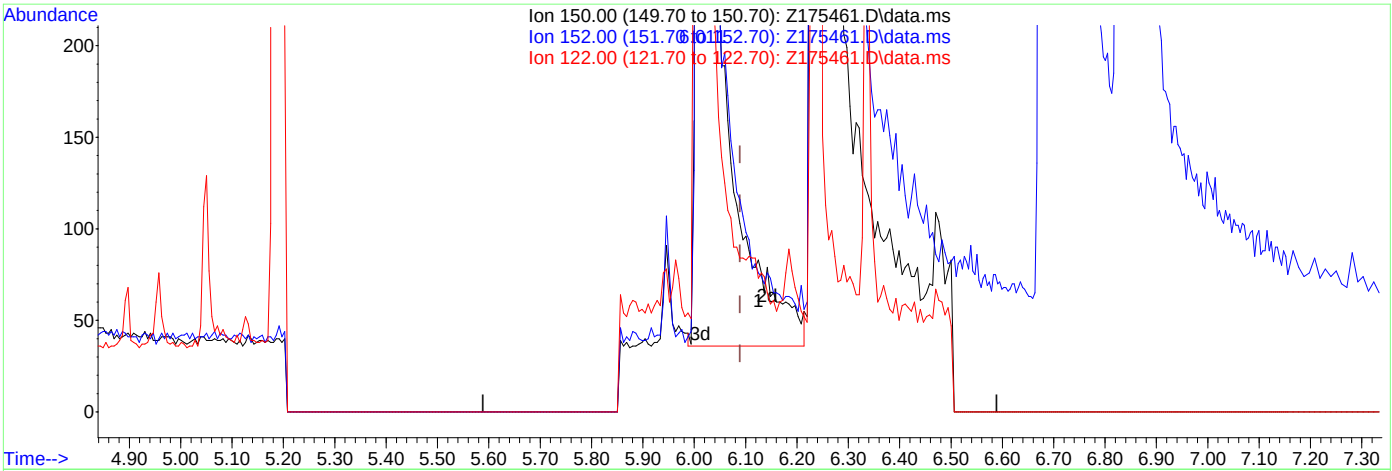
response 21

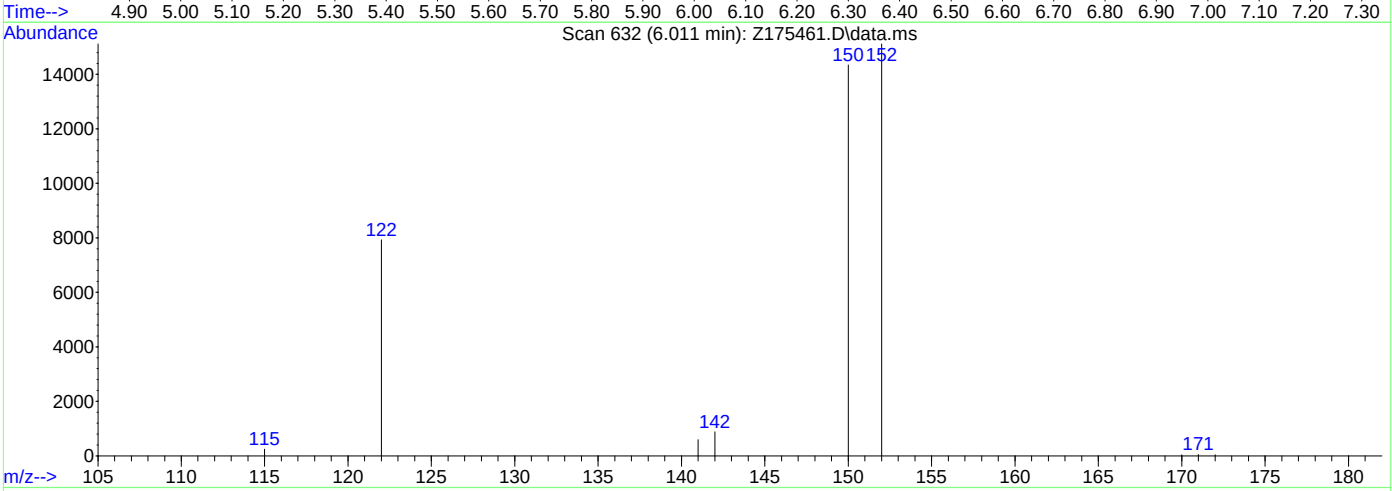
Ion	Exp%	Act%
150.00	100	100
152.00	80.50	4.55#
122.00	40.20	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175461.D
Acq On : 10 Sep 2025 3:36 pm
Operator : rocquans
Sample : ic8654-1
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 10 16:29:02 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175461.D\data.ms

(36) 1-Methylnaphthalene-d10a

6.011min (-0.077) 800.00ppb m

response 11540

Ion	Exp%	Act%
150.00	100	100
152.00	80.50	105.40#
122.00	40.20	55.26#
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
09/15/25 15:51

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175462.D
Acq On : 10 Sep 2025 4:01 pm
Operator : rocquans
Sample : ic8654-2
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 11 11:58:16 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration

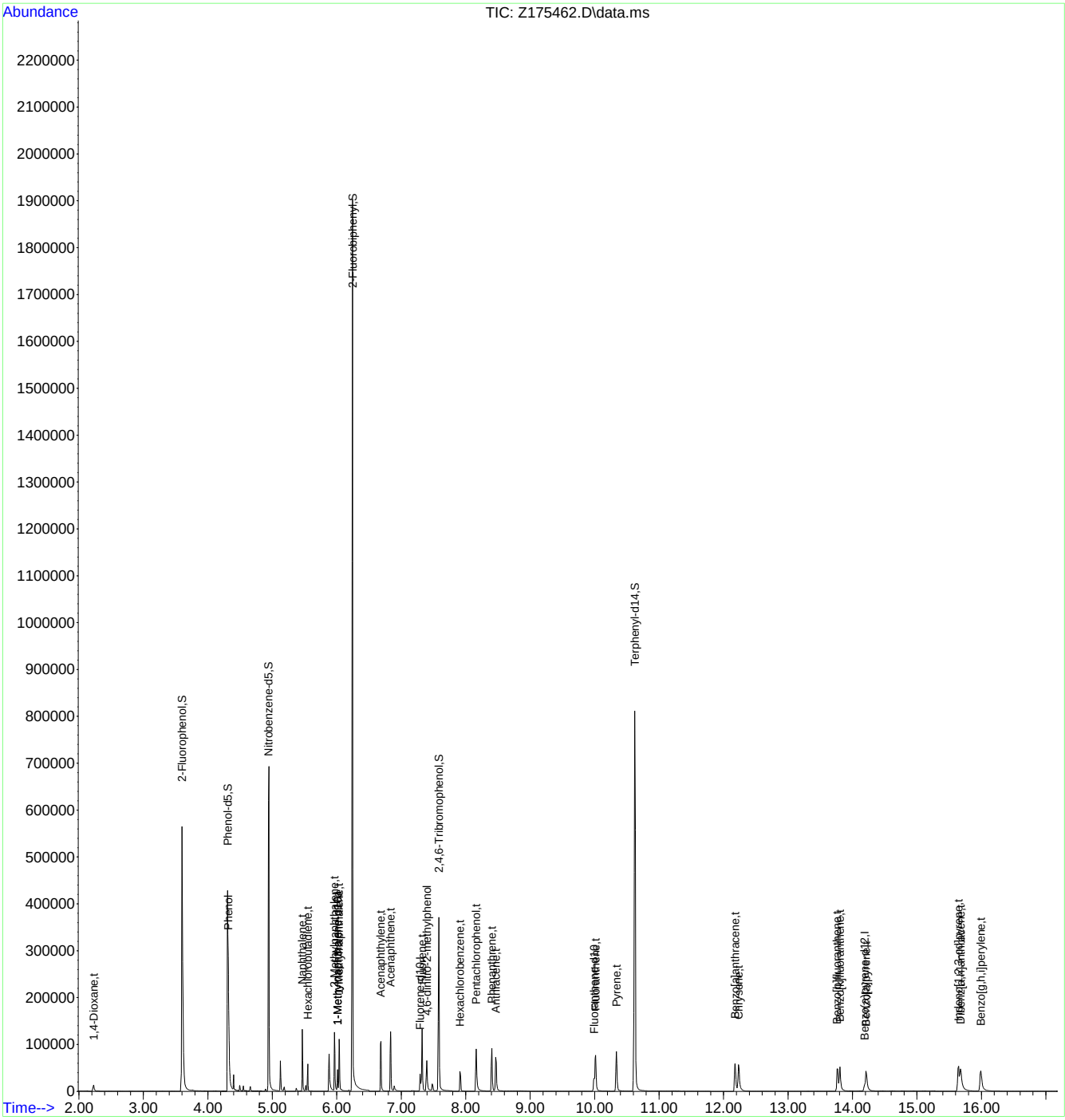
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	6.011	150	12387	800.00	ppb	0.00
12) Fluorene-d10	7.292	176	17478	800.00	ppb	-0.01
19) Fluoranthene-d10	9.992	212	27974	800.00	ppb	0.00
29) Benzo(a)pyrene-d12	14.186	264	17322	800.00	ppb	-0.01
36) 1-Methylnaphthalene-d10a	6.011	150	12575m	800.00	ppb	-0.08
System Monitoring Compounds						
3) 2-Fluorophenol	3.598	112	313527	33313.21	ppb	-0.02
Spiked Amount 10000.000			Recovery = 333.13%			
4) Phenol-d5	4.305	99	384582	37364.86	ppb	-0.02
Spiked Amount 10000.000			Recovery = 373.65%			
6) Nitrobenzene-d5	4.941	82	398459	34863.28	ppb	0.00
Spiked Amount 10000.000			Recovery = 348.63%			
13) 2-Fluorobiphenyl	6.244	172	771923	29835.53	ppb	0.00
Spiked Amount 10000.000			Recovery = 298.36%			
18) 2,4,6-Tribromophenol	7.585	330	147274	31899.45	ppb	0.00
Spiked Amount 10000.000			Recovery = 318.99%			
26) Terphenyl-d14	10.624	244	712487	28606.55	ppb	0.00
Spiked Amount 10000.000			Recovery = 286.07%			
Target Compounds						Qvalue
2) 1,4-Dioxane	2.229	88	9440m	1880.90	ppb	
5) Phenol	4.319	94	117793	11288.56	ppb	85
7) Naphthalene	5.466	128	68015	1920.87	ppb	99
8) Hexachlorobutadiene	5.550	225	16455	1751.49	ppb	91
9) 2-Methylnaphthalene	5.964	141	39109	1780.09	ppb	98
10) 1-Methylnaphthalene	6.035	141	36200	1610.48	ppb	91
14) Acenaphthylene	6.683	152	71999	1924.95	ppb	97
15) Acenaphthene	6.833	153	45646	1735.12	ppb	94
16) Fluorene	7.323	166	54519	1798.60	ppb	98
17) 4,6-dinitro-2-methylph...	7.396	198	40566	17641.99	ppb	76
20) Hexachlorobenzene	7.911	284	19861	1969.33	ppb	88
21) Pentachlorophenol	8.163	266	52132	15627.34	ppb	97
22) Phenanthrene	8.406	178	74087	2093.25	ppb	97
23) Anthracene	8.464	178	74685	1699.79	ppb	99
24) Fluoranthene	10.016	202	78732	1868.88	ppb	96
25) Pyrene	10.336	202	82515	1860.68	ppb	98
27) Benzo[a]anthracene	12.180	228	62367	2218.71	ppb	99
28) Chrysene	12.232	228	71662	1484.47	ppb	96
30) Benzo[b]fluoranthene	13.760	252	56497	2355.80	ppb	89
31) Benzo[k]fluoranthene	13.806	252	61920	1636.10	ppb	96
32) Benzo[a]pyrene	14.209	252	56893	1966.41	ppb	99
33) Indeno[1,2,3-cd]pyrene	15.646	276	89471	2732.87	ppb	95
34) Dibenz[a,h]anthracene	15.675	278	68648	2531.71	ppb	93
35) Benzo[g,h,i]perylene	15.992	276	76698	2685.71	ppb	100

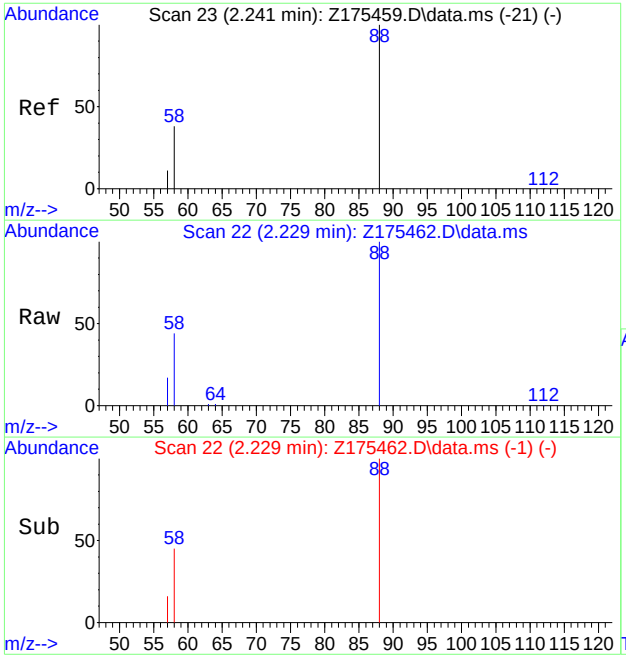
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175462.D
Acq On : 10 Sep 2025 4:01 pm
Operator : rocquans
Sample : ic8654-2
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 11 11:58:16 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration

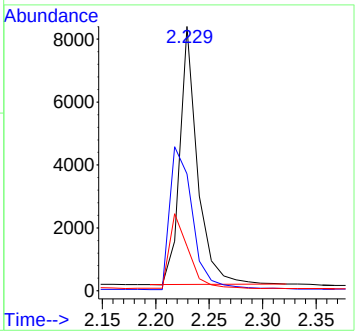


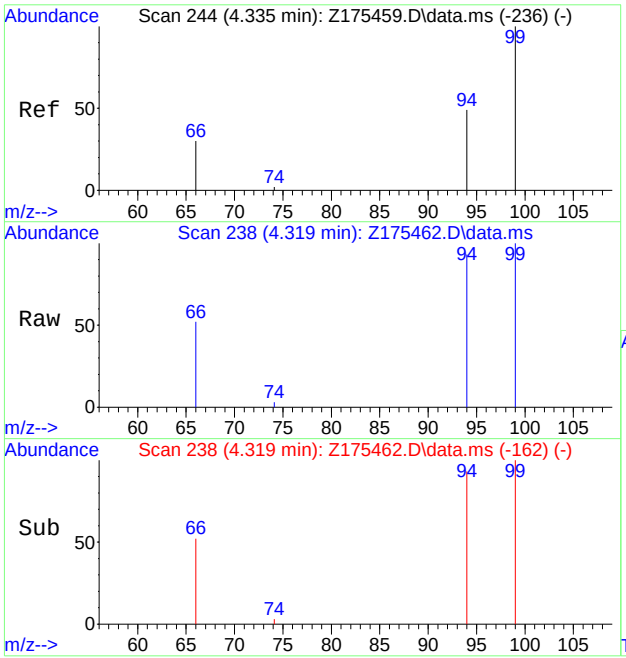


#2
1,4-Dioxane
Concen: 1880.90 ppb m
RT: 2.229 min Scan# 22
Delta R.T. -0.011 min
Lab File: Z175462.D
Acq: 10 Sep 2025 4:01 pm

Tgt Ion: 88 Resp: 9440

Ion	Ratio	Lower	Upper
88	100		
58	44.2	15.6	55.6
57	16.9	0.0	40.0

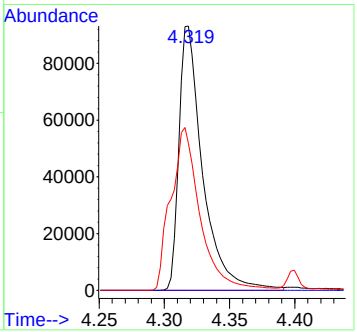




#5
Phenol
Concen: 11288.56 ppb
RT: 4.319 min Scan# 238
Delta R.T. -0.016 min
Lab File: Z175462.D
Acq: 10 Sep 2025 4:01 pm

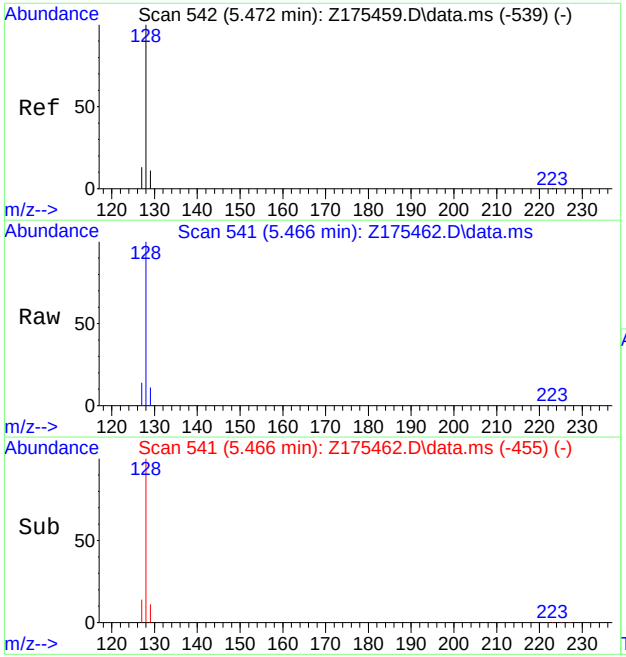
Tgt Ion: 94 Resp: 117793

Ion	Ratio	Lower	Upper
94	100		
65	0.0	0.0	0.0
66	50.8	49.8	74.8



9.5.38

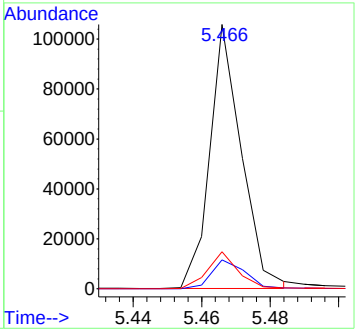
6

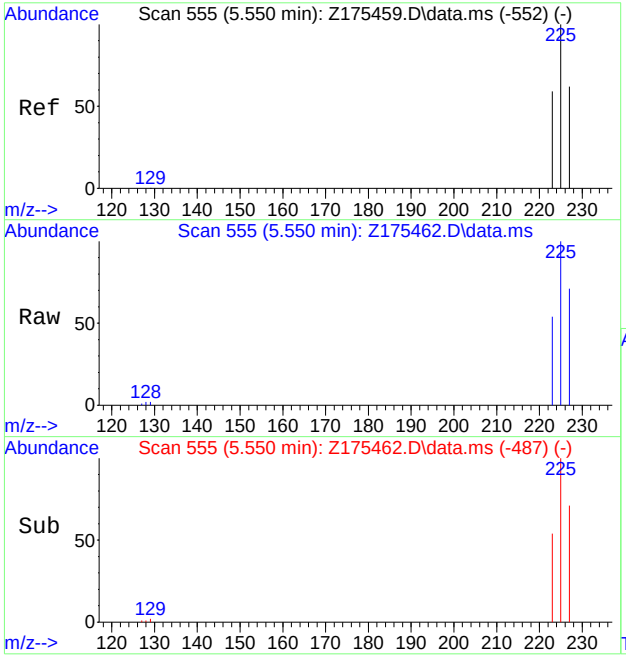


#7
Naphthalene
Concen: 1920.87 ppb
RT: 5.466 min Scan# 541
Delta R.T. -0.006 min
Lab File: Z175462.D
Acq: 10 Sep 2025 4:01 pm

Tgt Ion:128 Resp: 68015

Ion	Ratio	Lower	Upper
128	100		
129	10.9	0.0	40.6
127	14.0	0.0	43.3

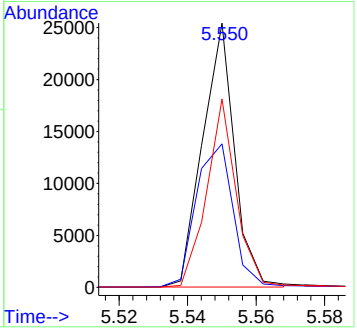


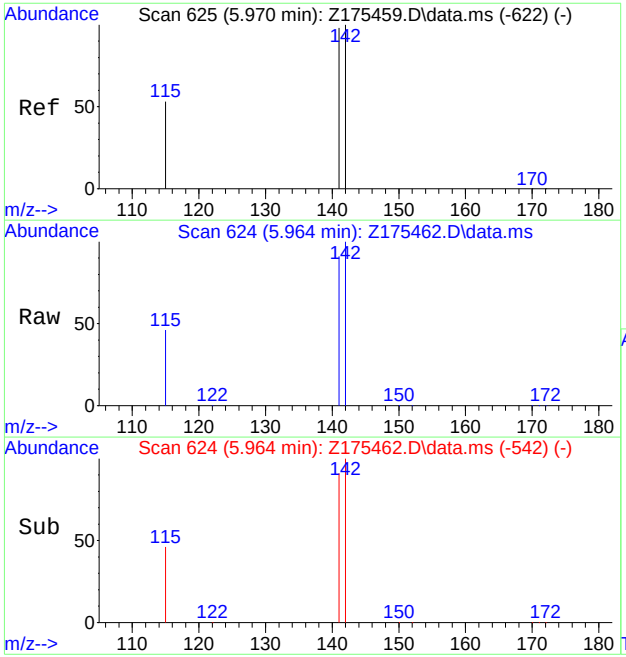


#8
Hexachlorobutadiene
Concen: 1751.49 ppb
RT: 5.550 min Scan# 555
Delta R.T. 0.000 min
Lab File: Z175462.D
Acq: 10 Sep 2025 4:01 pm

Tgt Ion:225 Resp: 16455

Ion	Ratio	Lower	Upper
225	100		
223	54.2	29.0	89.0
227	71.3	32.1	92.1

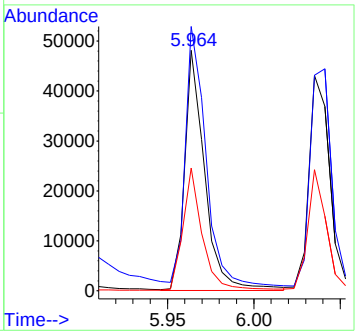


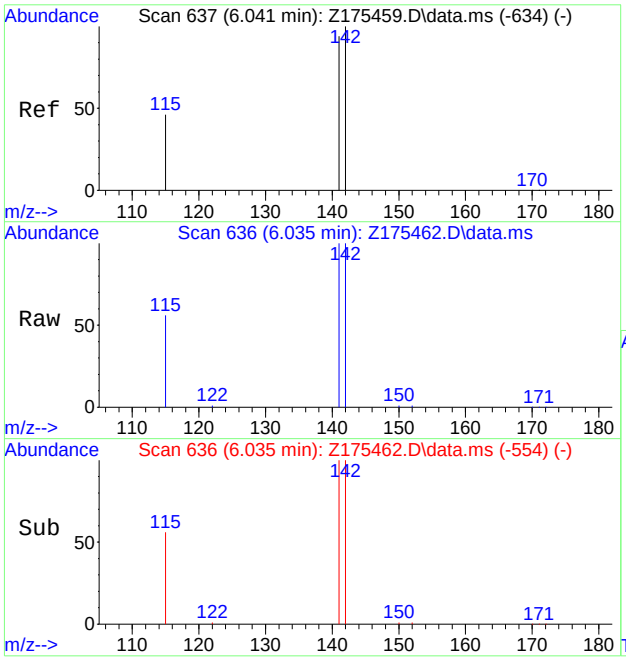


#9
2-Methylnaphthalene
Concen: 1780.09 ppb
RT: 5.964 min Scan# 624
Delta R.T. -0.006 min
Lab File: Z175462.D
Acq: 10 Sep 2025 4:01 pm

Tgt Ion:141 Resp: 39109

Ion	Ratio	Lower	Upper
141	100		
142	107.9	77.1	137.1
115	51.1	24.3	84.3

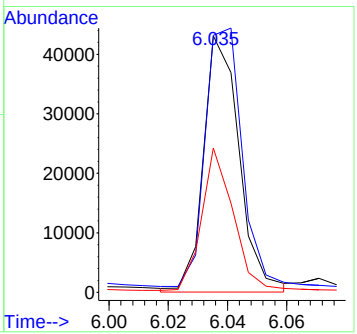




#10
1-Methylnaphthalene
Concen: 1610.48 ppb
RT: 6.035 min Scan# 636
Delta R.T. -0.006 min
Lab File: Z175462.D
Acq: 10 Sep 2025 4:01 pm

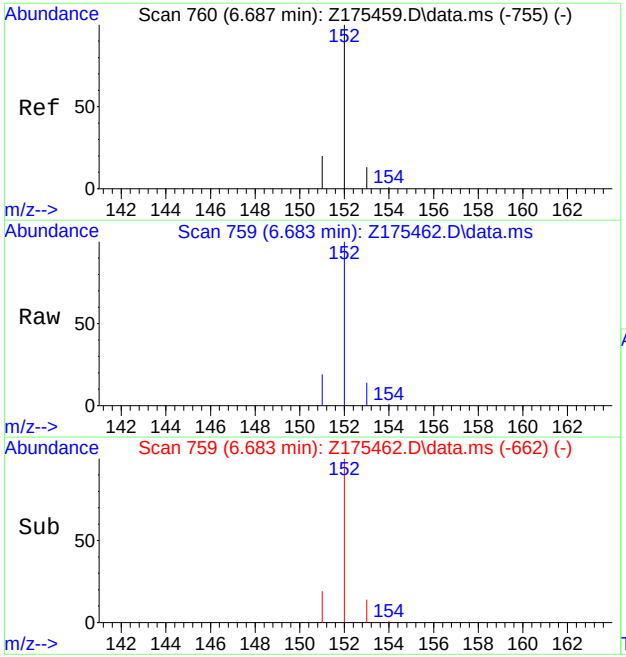
Tgt Ion:141 Resp: 36200

Ion	Ratio	Lower	Upper
141	100		
142	99.6	77.6	137.6
115	56.6	19.1	79.1



9.5.38

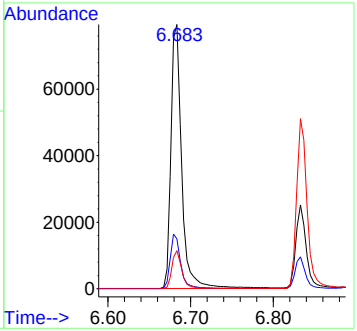
9

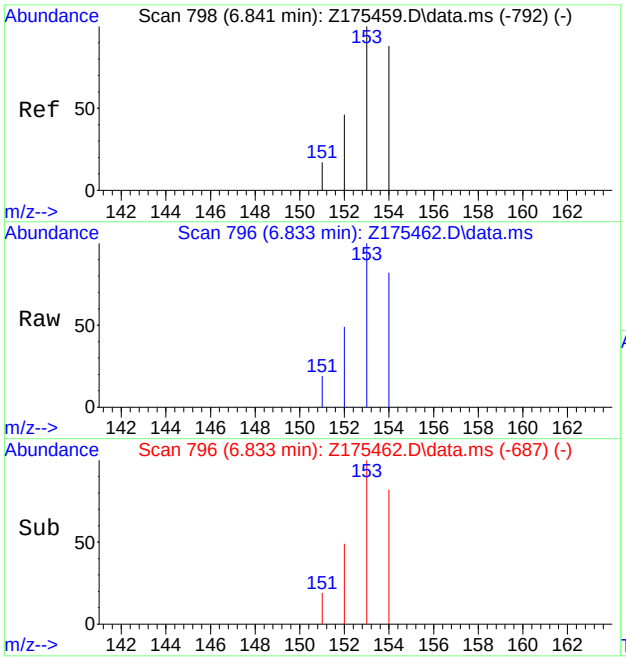


#14
Acenaphthylene
Concen: 1924.95 ppb
RT: 6.683 min Scan# 759
Delta R.T. -0.004 min
Lab File: Z175462.D
Acq: 10 Sep 2025 4:01 pm

Tgt Ion:152 Resp: 71999

Ion	Ratio	Lower	Upper
152	100		
151	18.8	0.0	50.1
153	14.4	0.0	42.6

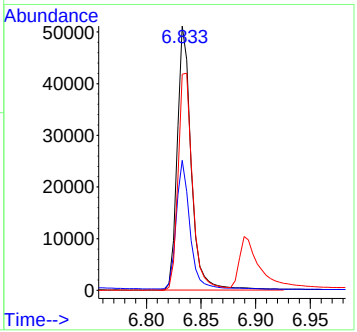


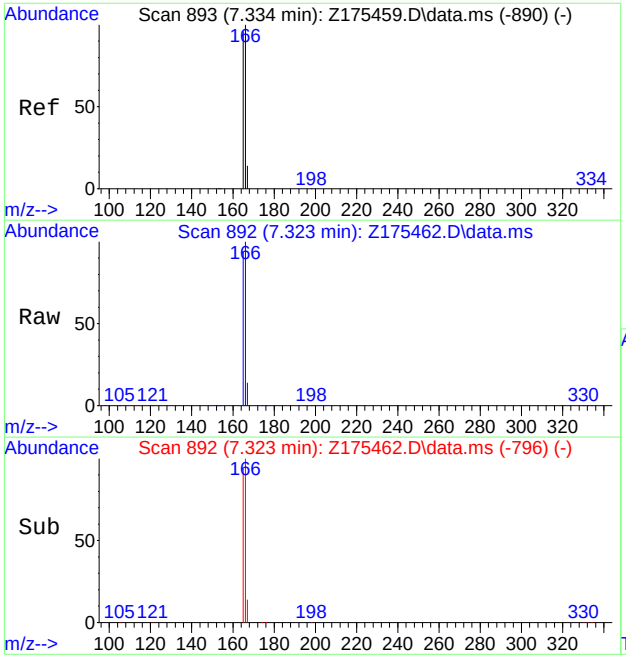


#15
Acenaphthene
Concen: 1735.12 ppb
RT: 6.833 min Scan# 796
Delta R.T. -0.008 min
Lab File: Z175462.D
Acq: 10 Sep 2025 4:01 pm

Tgt Ion:153 Resp: 45646

Ion	Ratio	Lower	Upper
153	100		
152	48.8	16.6	76.6
154	80.6	57.9	117.9

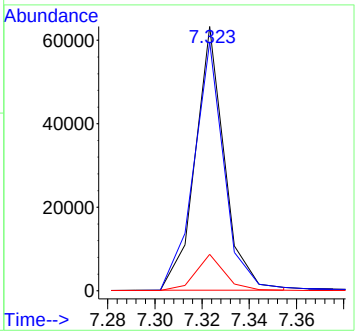


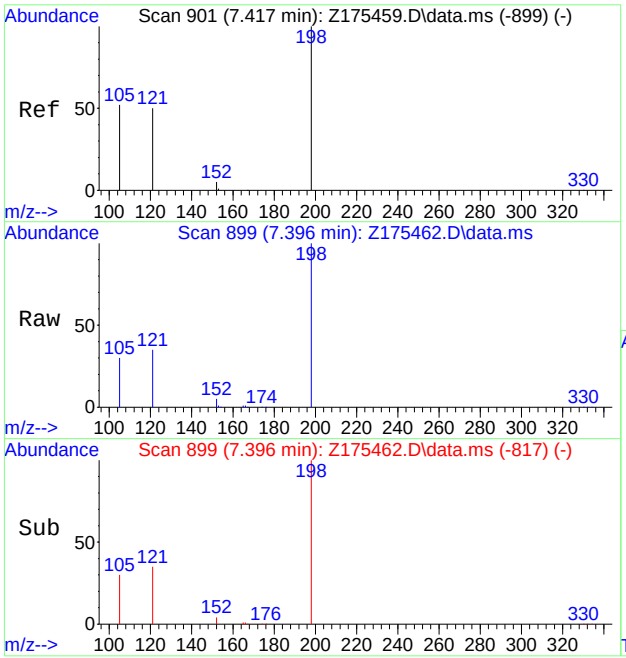


#16
Fluorene
Concen: 1798.60 ppb
RT: 7.323 min Scan# 892
Delta R.T. -0.010 min
Lab File: Z175462.D
Acq: 10 Sep 2025 4:01 pm

Tgt Ion:166 Resp: 54519

Ion	Ratio	Lower	Upper
166	100		
165	94.1	65.8	125.8
167	13.7	0.0	43.5

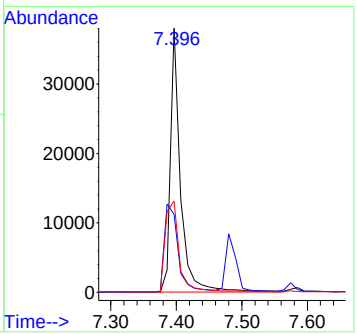


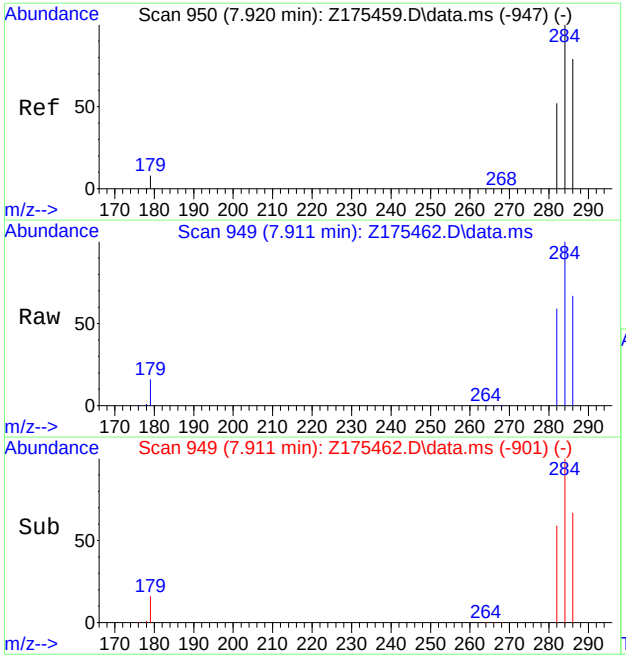


#17
4,6-dinitro-2-methylphenol
Concen: 17641.99 ppb
RT: 7.396 min Scan# 899
Delta R.T. -0.021 min
Lab File: Z175462.D
Acq: 10 Sep 2025 4:01 pm

Tgt Ion:198 Resp: 40566

Ion	Ratio	Lower	Upper
198	100		
105	28.9	25.6	65.6
121	34.3	29.8	69.8

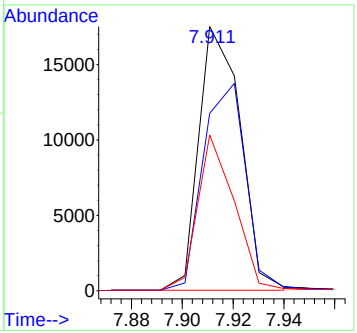


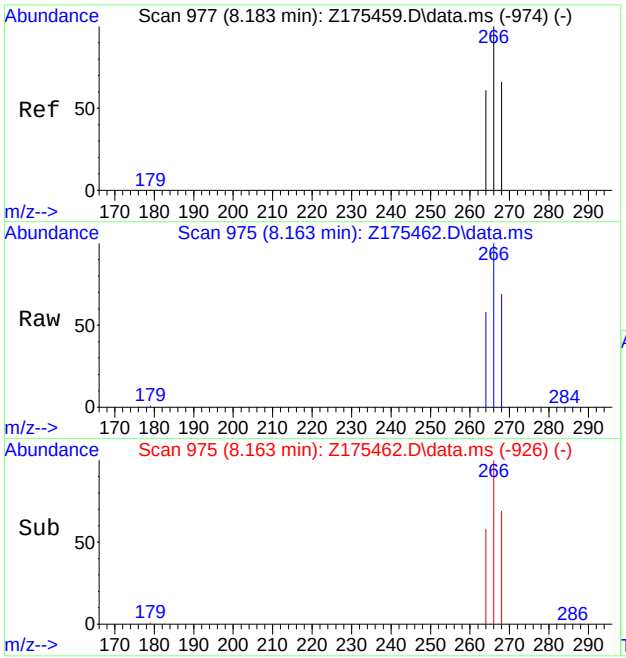


#20
Hexachlorobenzene
Concen: 1969.33 ppb
RT: 7.911 min Scan# 949
Delta R.T. -0.010 min
Lab File: Z175462.D
Acq: 10 Sep 2025 4:01 pm

Tgt Ion:284 Resp: 19861

Ion	Ratio	Lower	Upper
284	100		
286	66.9	48.9	108.9
282	58.9	22.1	82.1

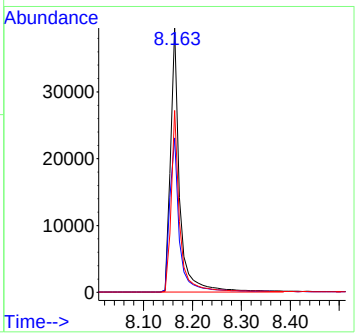


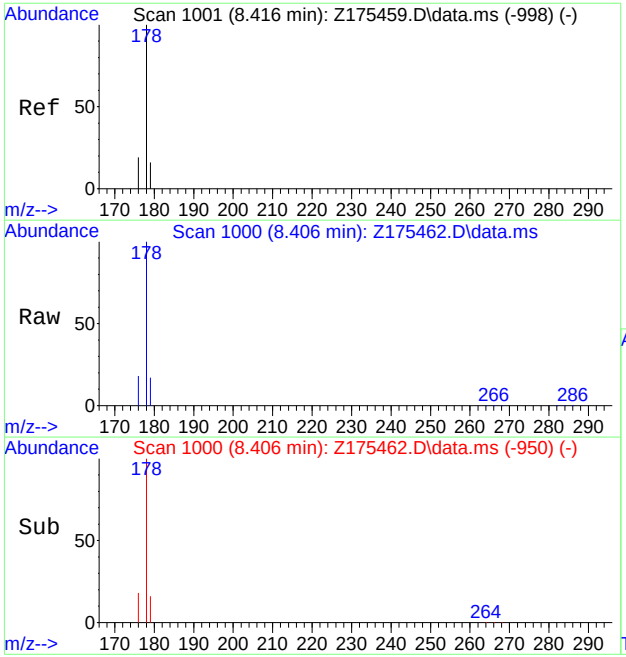


#21
Pentachlorophenol
Concen: 15627.34 ppb
RT: 8.163 min Scan# 975
Delta R.T. -0.019 min
Lab File: Z175462.D
Acq: 10 Sep 2025 4:01 pm

Tgt Ion:266 Resp: 52132

Ion	Ratio	Lower	Upper
266	100		
264	58.4	30.8	90.8
268	68.8	36.3	96.3

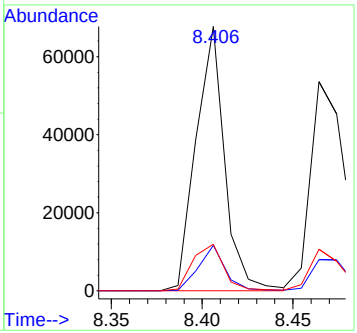


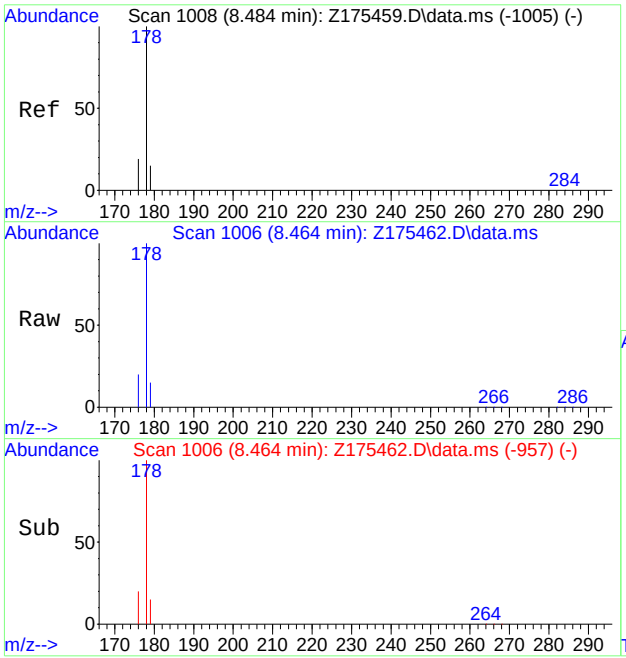


#22
Phenanthrene
Concen: 2093.25 ppb
RT: 8.406 min Scan# 1000
Delta R.T. -0.010 min
Lab File: Z175462.D
Acq: 10 Sep 2025 4:01 pm

Tgt Ion:178 Resp: 74087

Ion	Ratio	Lower	Upper
178	100		
179	17.2	0.0	45.6
176	17.6	0.0	48.6

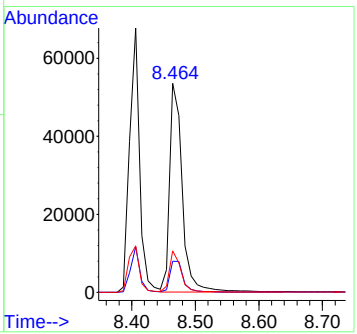


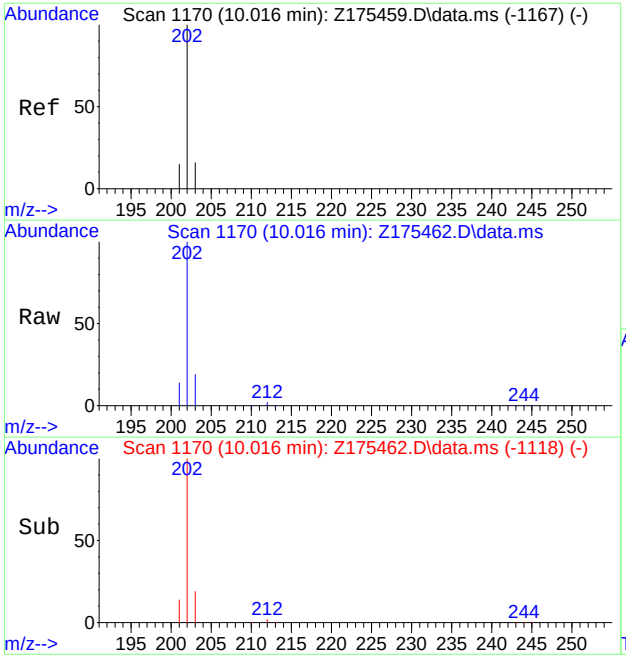


#23
Anthracene
Concen: 1699.79 ppb
RT: 8.464 min Scan# 1006
Delta R.T. -0.019 min
Lab File: Z175462.D
Acq: 10 Sep 2025 4:01 pm

Tgt Ion:178 Resp: 74685

Ion	Ratio	Lower	Upper
178	100		
179	14.8	0.0	44.8
176	19.8	0.0	48.7

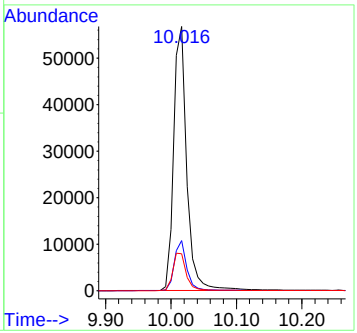


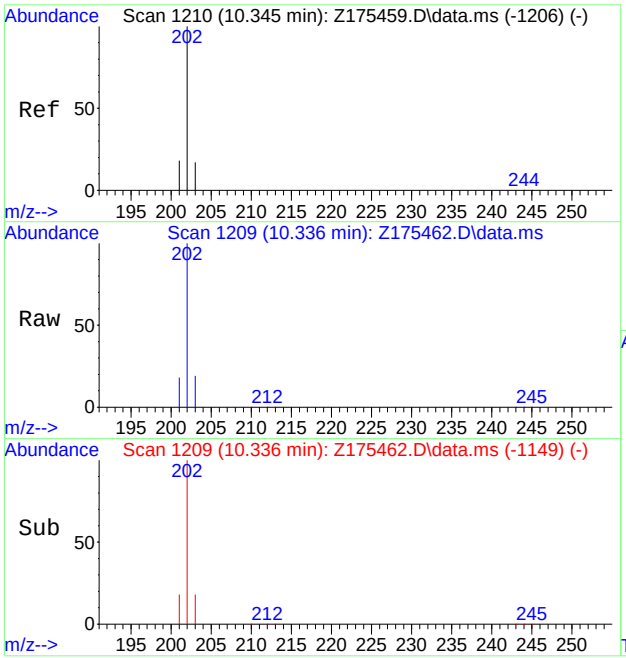


#24
Fluoranthene
Concen: 1868.88 ppb
RT: 10.016 min Scan# 1170
Delta R.T. 0.000 min
Lab File: Z175462.D
Acq: 10 Sep 2025 4:01 pm

Tgt Ion:202 Resp: 78732

Ion	Ratio	Lower	Upper
202	100		
203	18.9	0.0	46.4
201	14.0	0.0	45.1

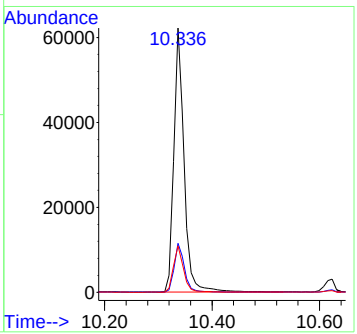


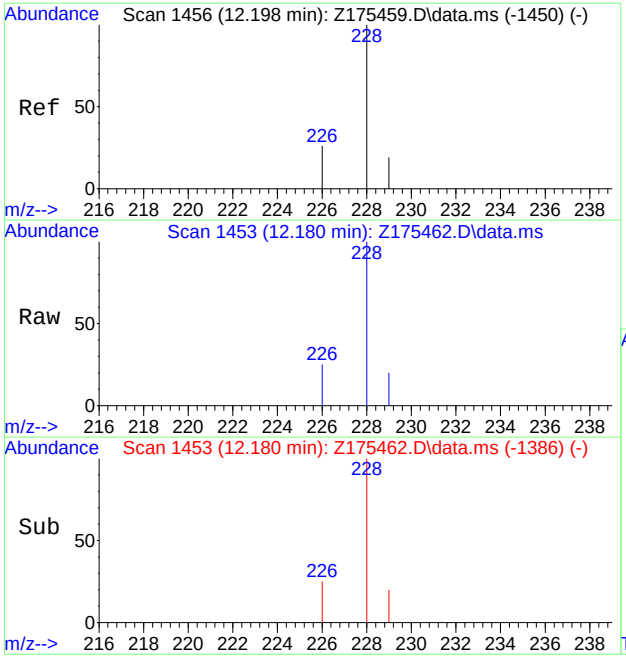


#25
Pyrene
Concen: 1860.68 ppb
RT: 10.336 min Scan# 1209
Delta R.T. -0.008 min
Lab File: Z175462.D
Acq: 10 Sep 2025 4:01 pm

Tgt Ion:202 Resp: 82515

Ion	Ratio	Lower	Upper
202	100		
203	18.5	0.0	47.4
201	17.5	0.0	47.8

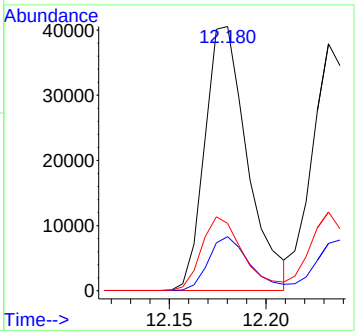


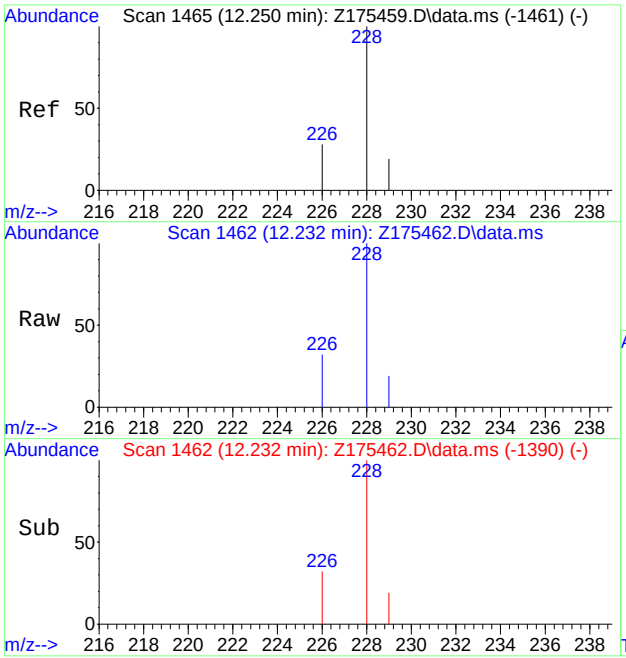


#27
Benzo[a]anthracene
Concen: 2218.71 ppb
RT: 12.180 min Scan# 1453
Delta R.T. -0.017 min
Lab File: Z175462.D
Acq: 10 Sep 2025 4:01 pm

Tgt Ion:228 Resp: 62367

Ion	Ratio	Lower	Upper
228	100		
229	20.4	0.0	49.3
226	25.2	0.0	55.6

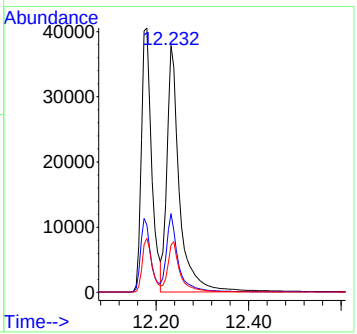


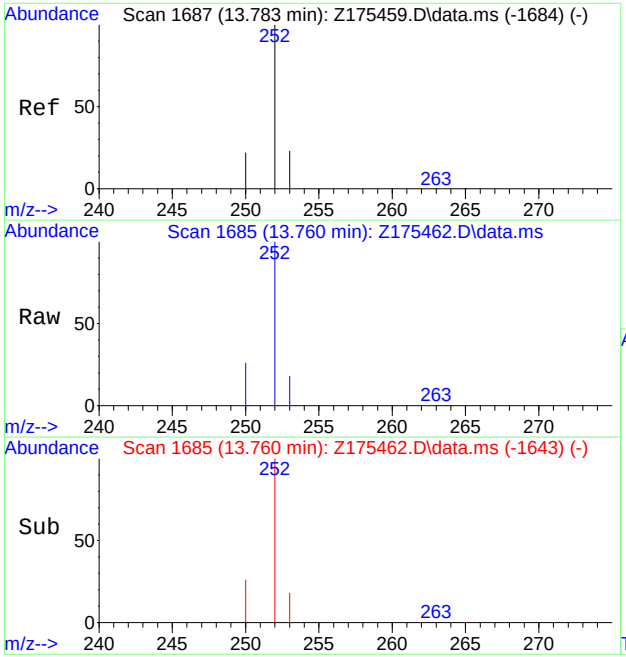


#28
Chrysene
Concen: 1484.47 ppb
RT: 12.232 min Scan# 1462
Delta R.T. -0.017 min
Lab File: Z175462.D
Acq: 10 Sep 2025 4:01 pm

Tgt Ion:228 Resp: 71662

Ion	Ratio	Lower	Upper
228	100		
226	32.0	0.0	58.4
229	19.0	0.0	49.1

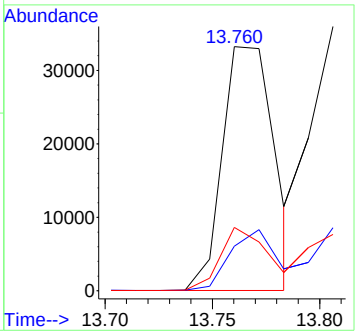


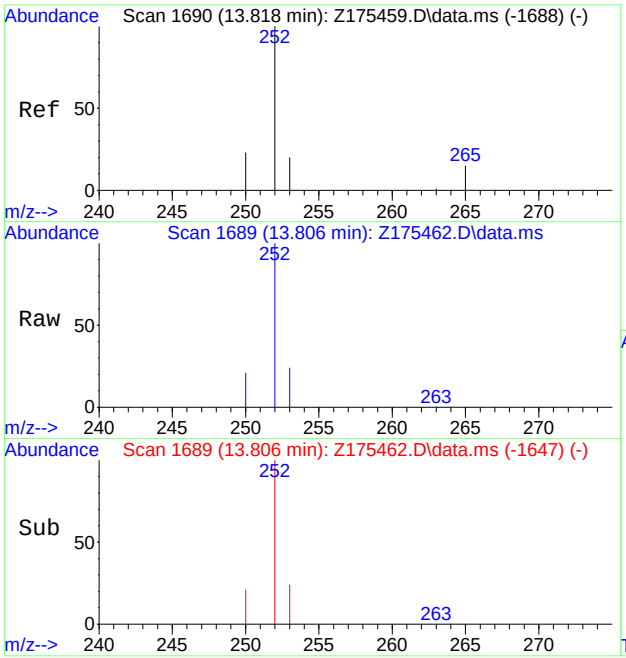


#30
Benzo[b]fluoranthene
Concen: 2355.80 ppb
RT: 13.760 min Scan# 1685
Delta R.T. -0.023 min
Lab File: Z175462.D
Acq: 10 Sep 2025 4:01 pm

Tgt Ion:252 Resp: 56497

Ion	Ratio	Lower	Upper
252	100		
253	16.5	0.0	52.6
250	26.8	0.0	51.9

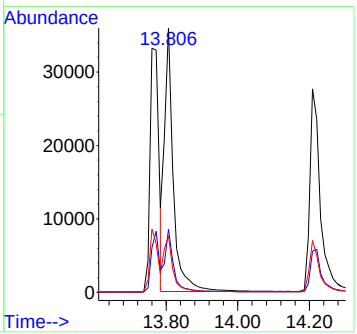


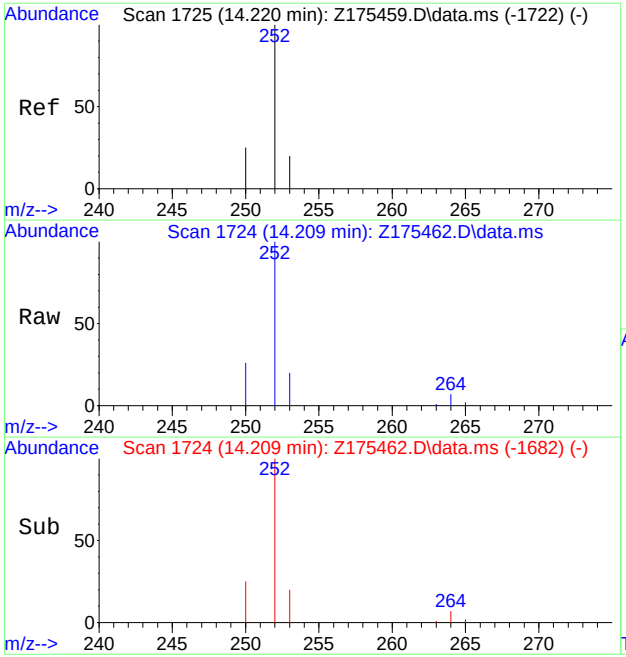


#31
Benzo[k]fluoranthene
Concen: 1636.10 ppb
RT: 13.806 min Scan# 1689
Delta R.T. -0.011 min
Lab File: Z175462.D
Acq: 10 Sep 2025 4:01 pm

Tgt Ion:252 Resp: 61920

Ion	Ratio	Lower	Upper
252	100		
253	23.4	0.0	51.0
250	21.2	0.0	53.1

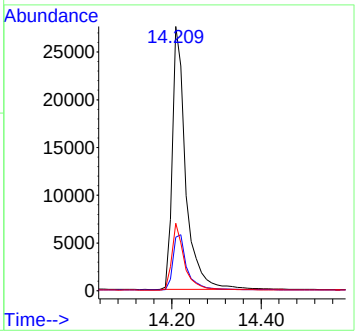


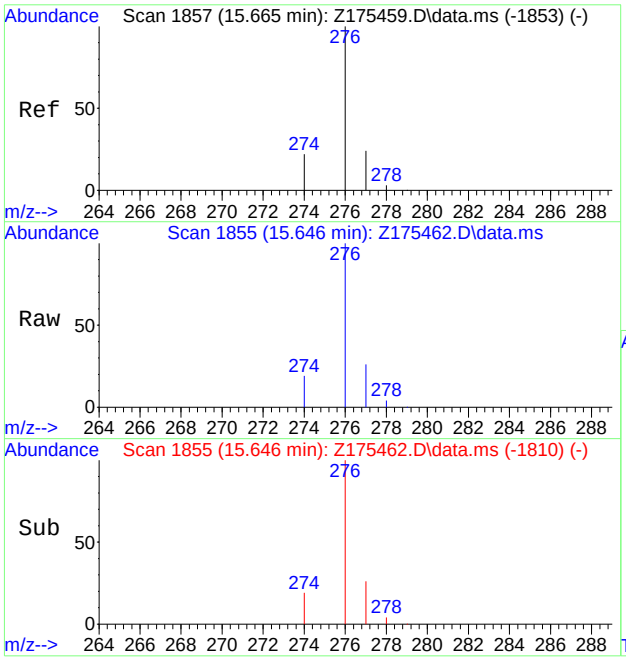


#32
Benzo[a]pyrene
Concen: 1966.41 ppb
RT: 14.209 min Scan# 1724
Delta R.T. -0.011 min
Lab File: Z175462.D
Acq: 10 Sep 2025 4:01 pm

Tgt Ion:252 Resp: 56893

Ion	Ratio	Lower	Upper
252	100		
253	20.0	0.0	50.2
250	25.4	0.0	54.3

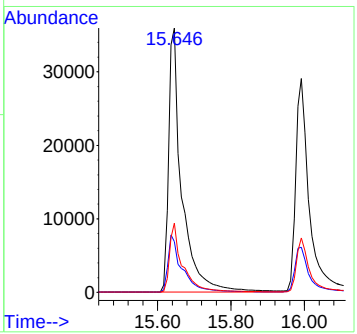


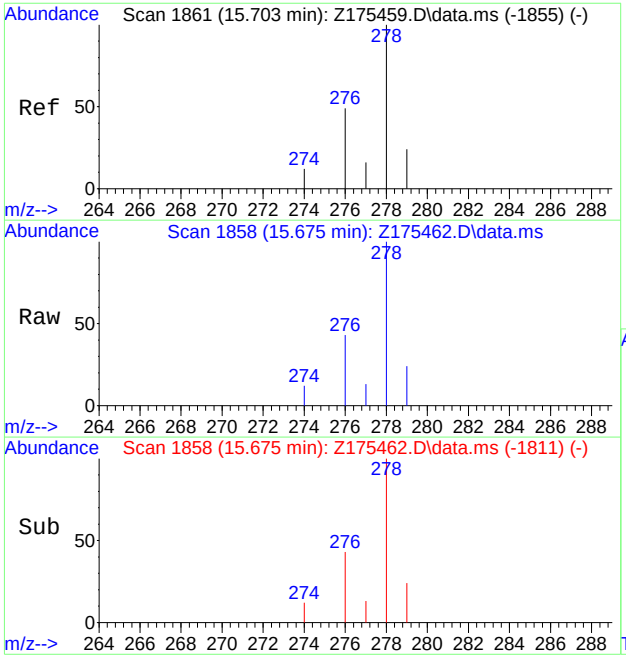


#33
Indeno[1,2,3-cd]pyrene
Concen: 2732.87 ppb
RT: 15.646 min Scan# 1855
Delta R.T. -0.019 min
Lab File: Z175462.D
Acq: 10 Sep 2025 4:01 pm

Tgt Ion:276 Resp: 89471

Ion	Ratio	Lower	Upper
276	100		
274	19.1	0.0	51.7
277	26.1	0.0	53.6

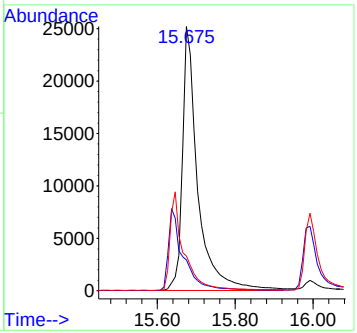


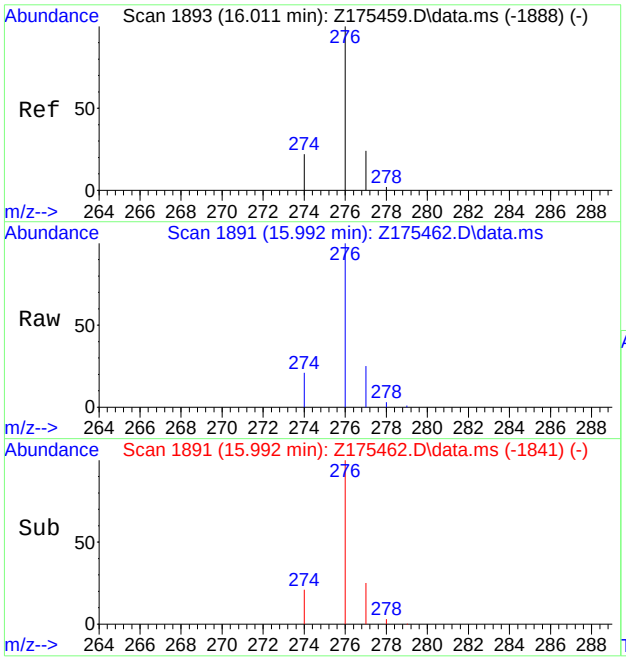


#34
Dibenz[a,h]anthracene
Concen: 2531.71 ppb
RT: 15.675 min Scan# 1858
Delta R.T. -0.029 min
Lab File: Z175462.D
Acq: 10 Sep 2025 4:01 pm

Tgt Ion:278 Resp: 68648

Ion	Ratio	Lower	Upper
278	100		
274	11.5	0.0	44.0
277	13.0	0.0	46.5

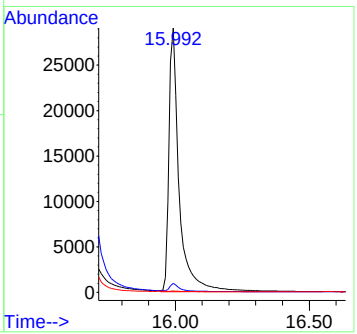




#35
Benzo[g,h,i]perylene
Concen: 2685.71 ppb
RT: 15.992 min Scan# 1891
Delta R.T. -0.019 min
Lab File: Z175462.D
Acq: 10 Sep 2025 4:01 pm

Tgt Ion:276 Resp: 76698

Ion	Ratio	Lower	Upper
276	100		
278	2.9	0.0	32.8
279	0.1	0.0	30.0



Manual Integration Approval Summary

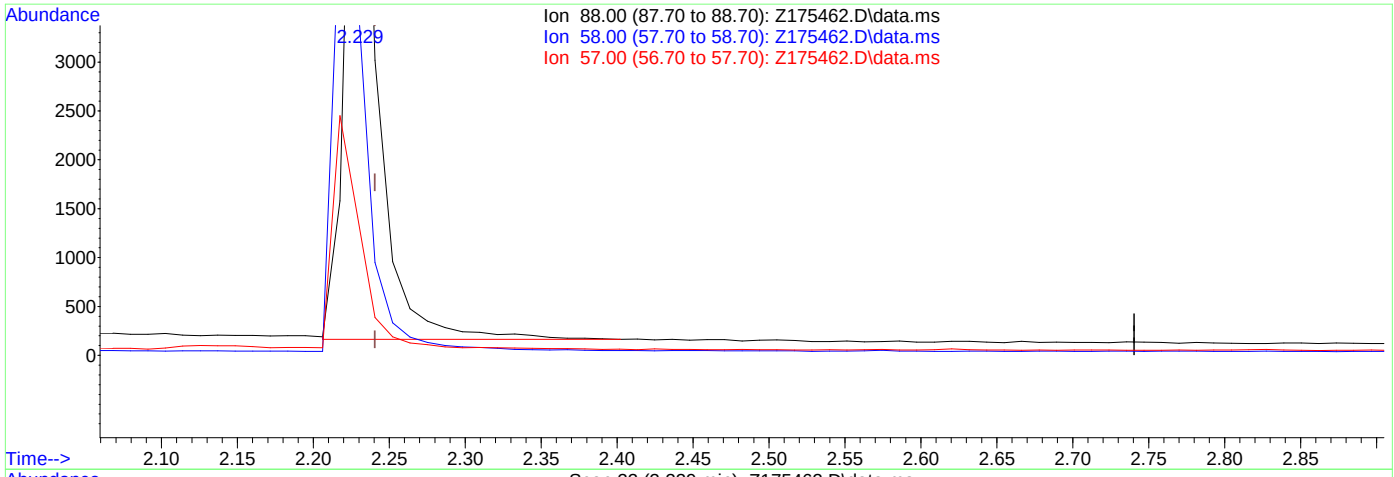
Sample Number:	EZ8654-IC8654	**Method:**	SW846 8270E BY SIM
Lab FileID:	Z175462.D	**Analyst approved:**	09/11/25 12:08 Ying Li
Injection Time:	09/10/25 16:01	**Supervisor approved:**	09/15/25 15:51 Nina Pandya

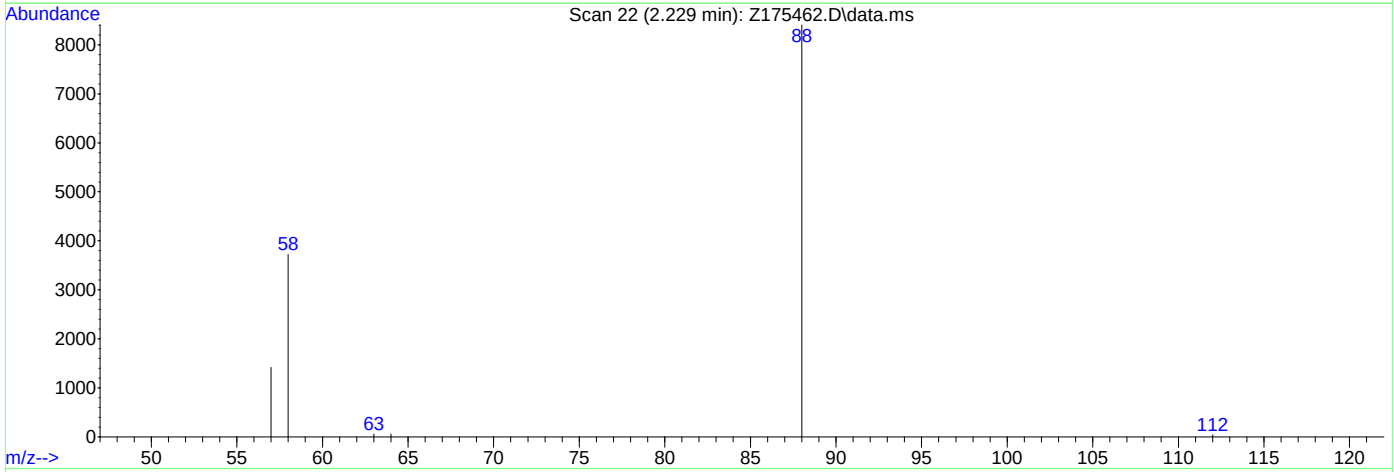
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,4-Dioxane	123-91-1		2.23	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175462.D
Acq On : 10 Sep 2025 4:01 pm
Operator : rocquans
Sample : ic8654-2
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 10 16:29:26 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175462.D\data.ms

(2) 1,4-Dioxane (t)

2.229min (-0.011) 1962.60ppb

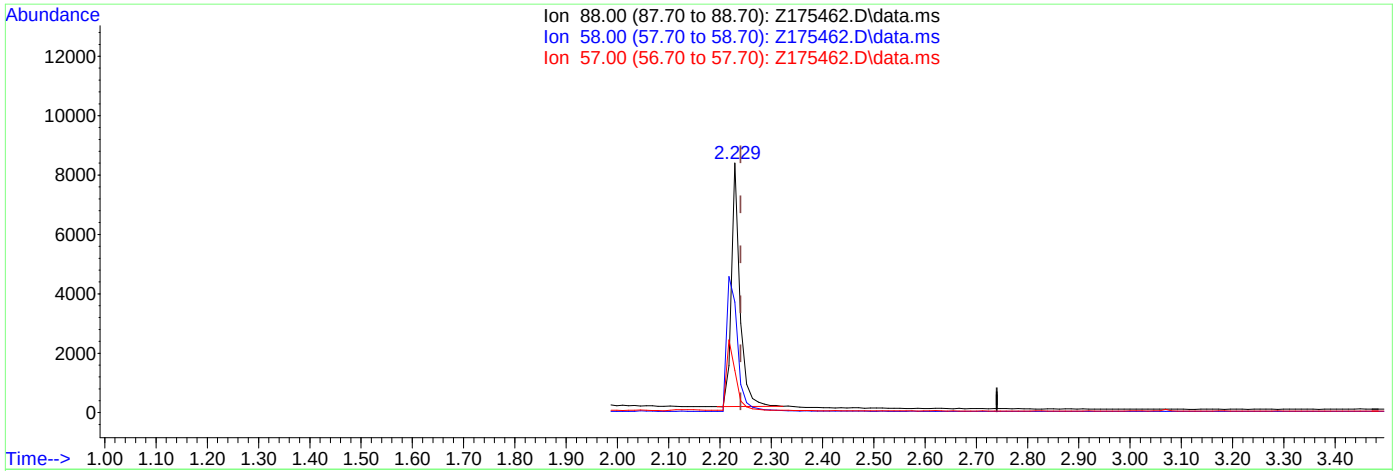
response 9850

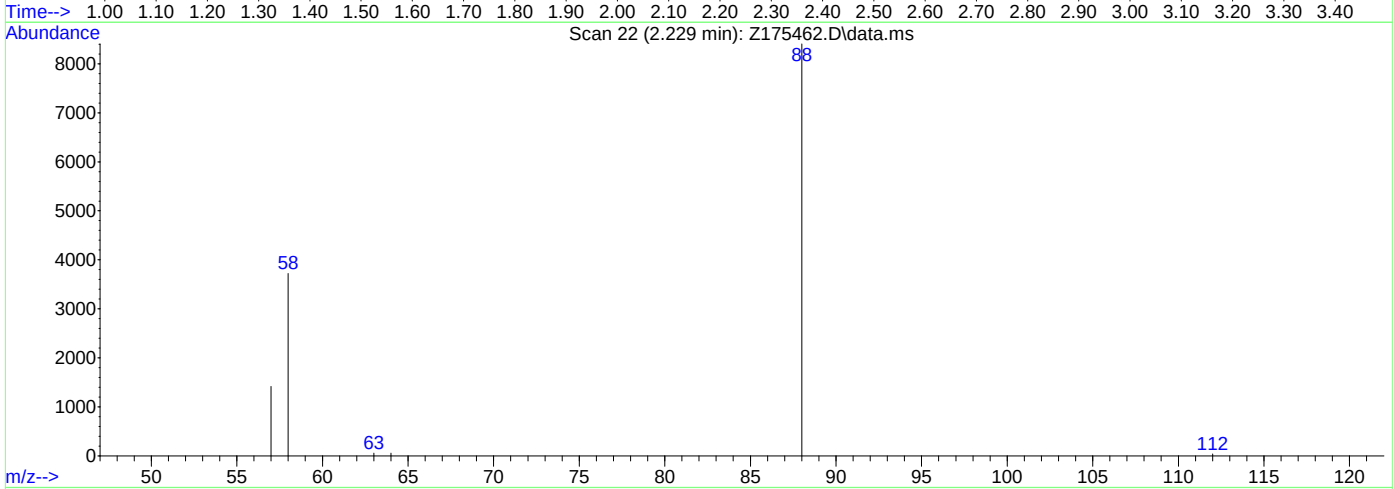
Ion	Exp%	Act%
88.00	100	100
58.00	35.60	44.62
57.00	20.00	16.36
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175462.D
Acq On : 10 Sep 2025 4:01 pm
Operator : rocquans
Sample : ic8654-2
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 10 16:29:26 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175462.D\data.ms

(2) 1,4-Dioxane (t)

2.229min (-0.011) 1880.90ppb m

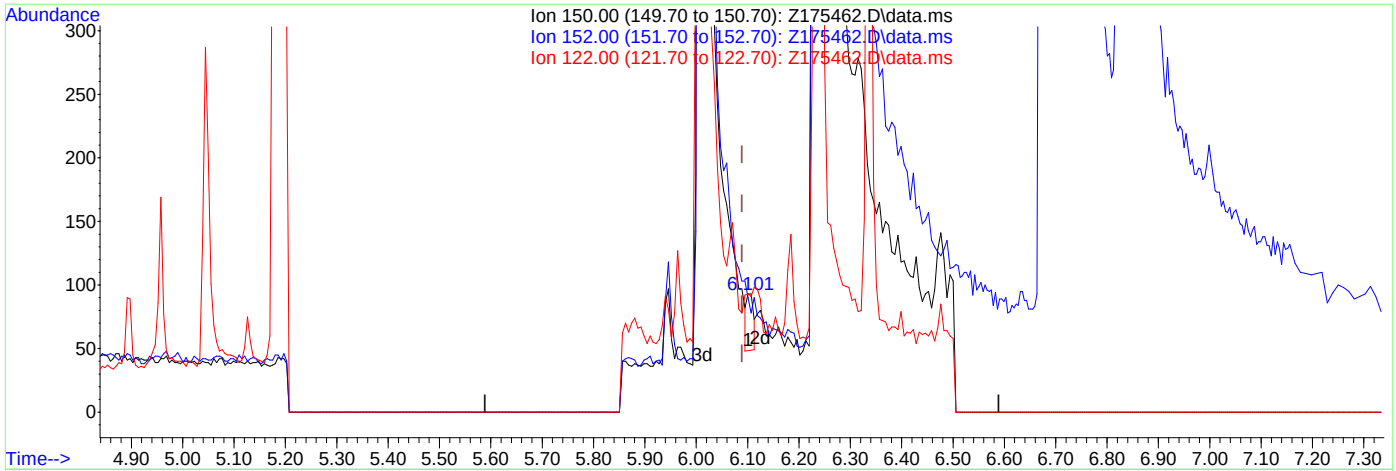
response 9440

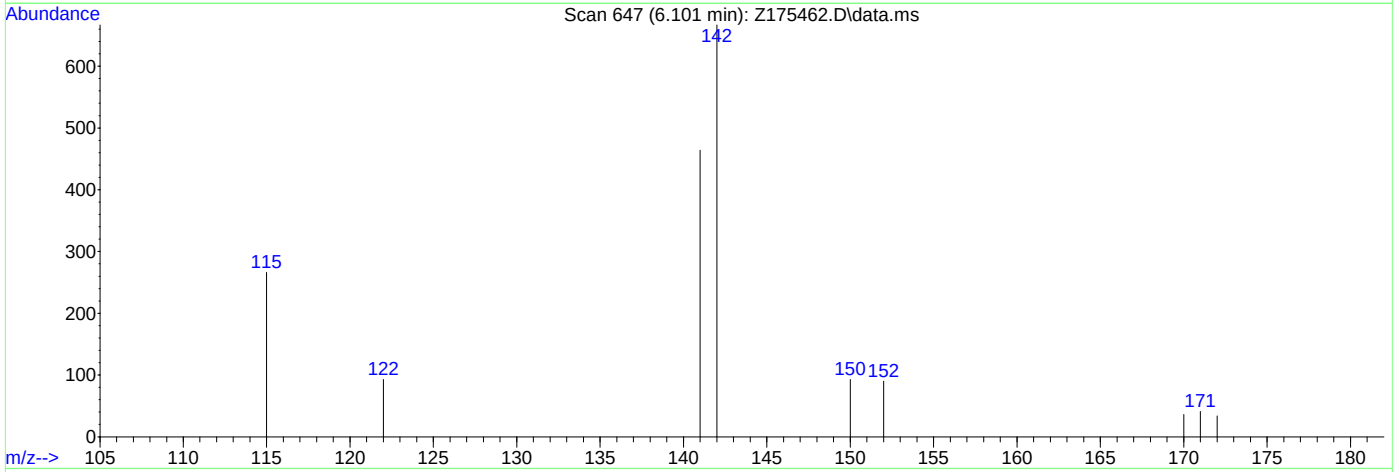
Ion	Exp%	Act%
88.00	100	100
58.00	35.60	44.23
57.00	20.00	16.85
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175462.D
Acq On : 10 Sep 2025 4:01 pm
Operator : rocquans
Sample : ic8654-2
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 10 16:30:26 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175462.D\data.ms

(36) 1-Methylnaphthalene-d10a

6.101min (+0.012) 800.00ppb

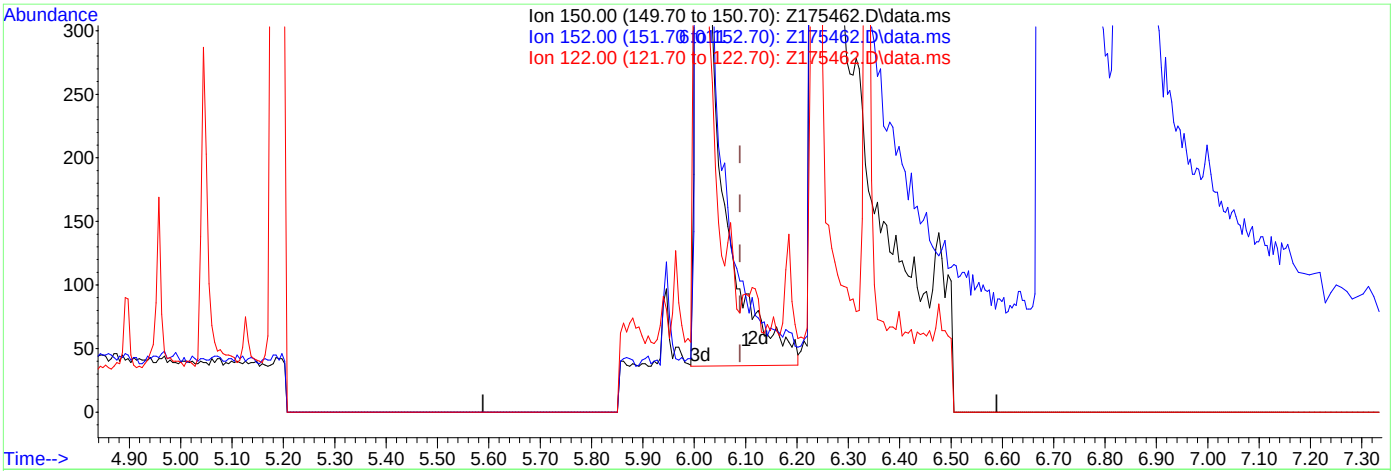
response 41

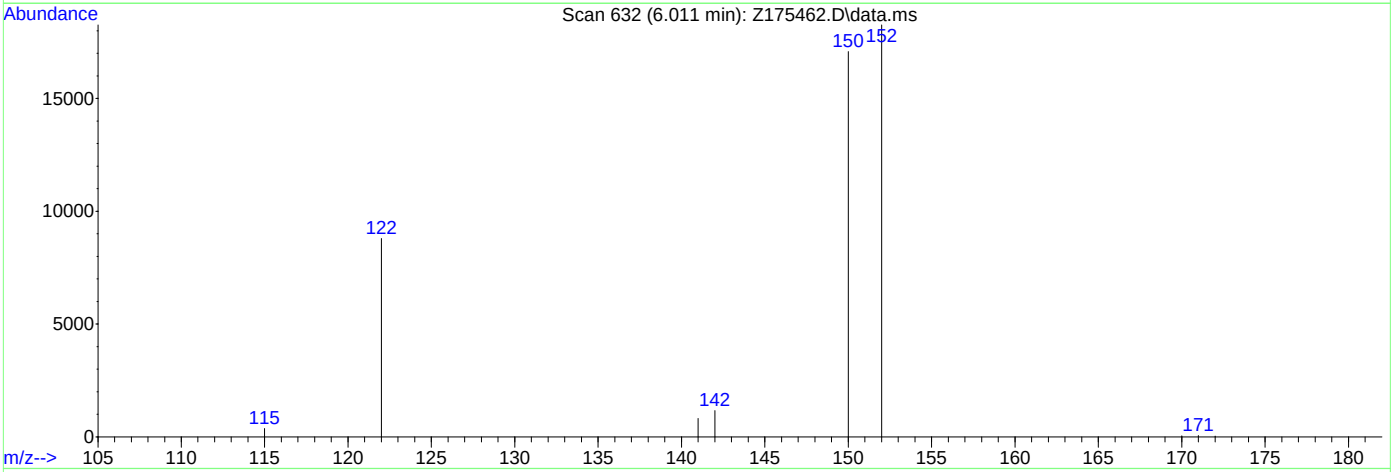
Ion	Exp%	Act%
150.00	100	100
152.00	80.50	0.00#
122.00	40.20	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175462.D
Acq On : 10 Sep 2025 4:01 pm
Operator : rocquans
Sample : ic8654-2
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 10 16:30:26 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Wed Sep 10 16:22:26 2025
Response via : Initial Calibration





TIC: Z175462.D\data.ms

(36) 1-Methylnaphthalene-d10a

6.011min (-0.077) 800.00ppb m

response 12575

Ion	Exp%	Act%
150.00	100	100
152.00	80.50	106.93#
122.00	40.20	51.47
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
09/15/25 15:51

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175464.D
Acq On : 10 Sep 2025 4:51 pm
Operator : rocquans
Sample : icv8654-1
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 11 12:01:46 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Sep 11 12:00:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	6.017	150	11731	800.00	ppb	0.00
12) Fluorene-d10	7.302	176	15411	800.00	ppb	0.00
19) Fluoranthene-d10	10.000	212	25735	800.00	ppb	0.00
29) Benzo(a)pyrene-d12	14.197	264	14985	800.00	ppb	0.00
36) 1-Methylnaphthalene-d10a	6.017	150	11731	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	0.000	112	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
4) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
6) Nitrobenzene-d5	0.000	82	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
13) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
18) 2,4,6-Tribromophenol	0.000	330	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
26) Terphenyl-d14	0.000	244	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
Target Compounds						Qvalue
5) Phenol	4.345	94	11172m	1167.63	ppb	
17) 4,6-dinitro-2-methylph...	7.417	198	2935	1166.24	ppb	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

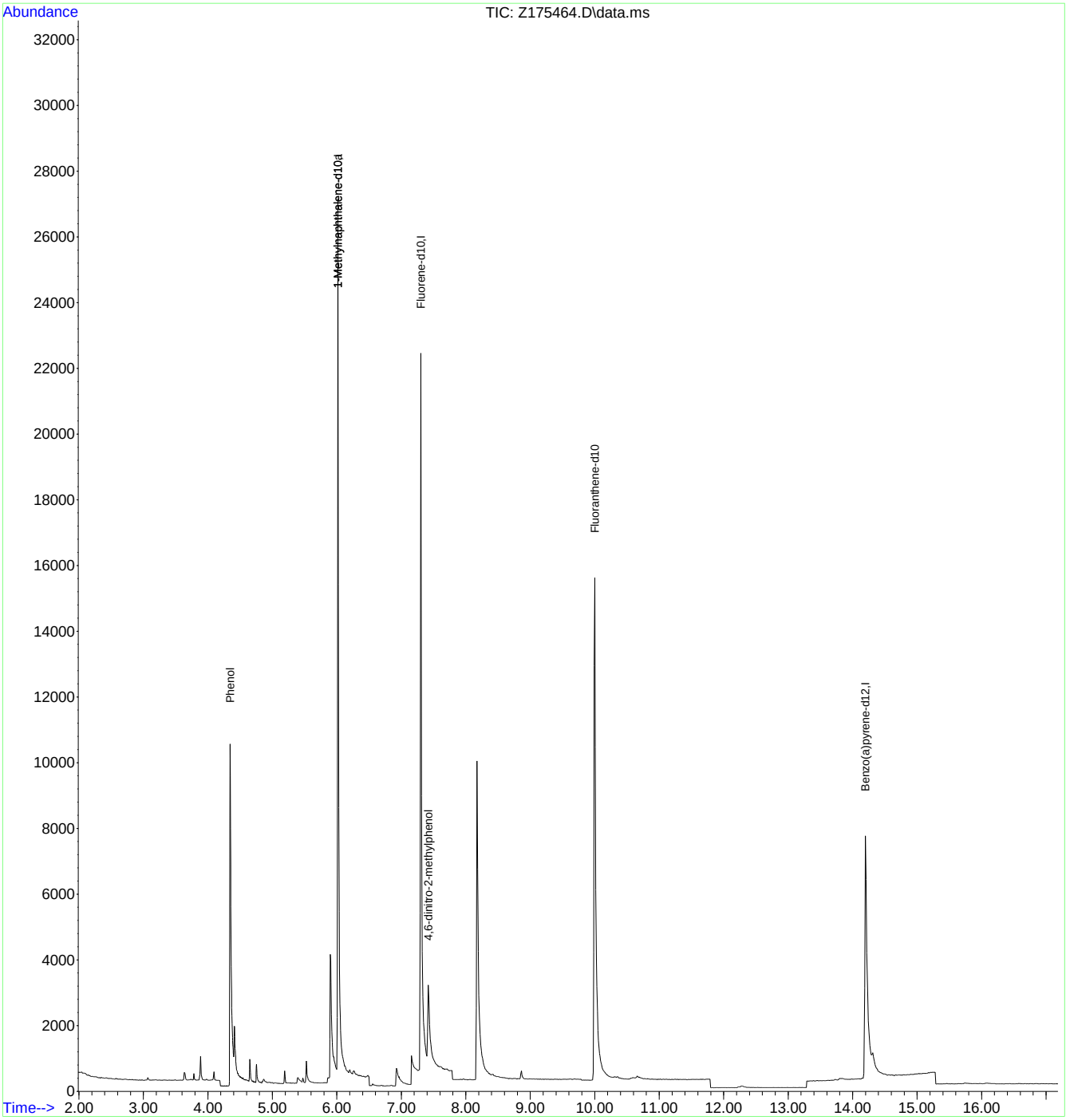
9.5.39

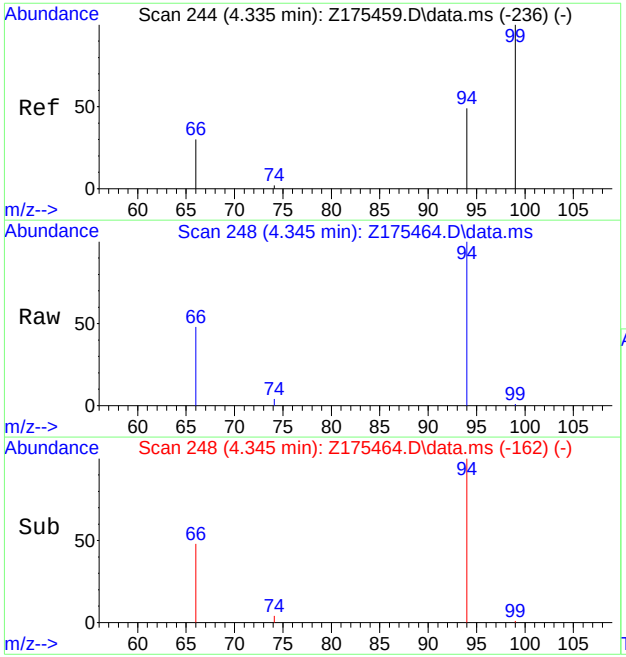
9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175464.D
Acq On : 10 Sep 2025 4:51 pm
Operator : rocquans
Sample : icv8654-1
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 11 12:01:46 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Sep 11 12:00:16 2025
Response via : Initial Calibration

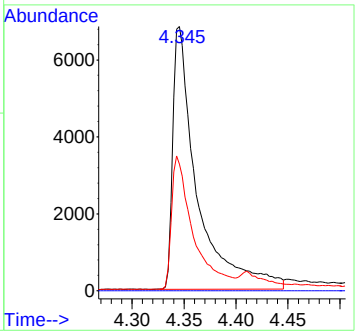


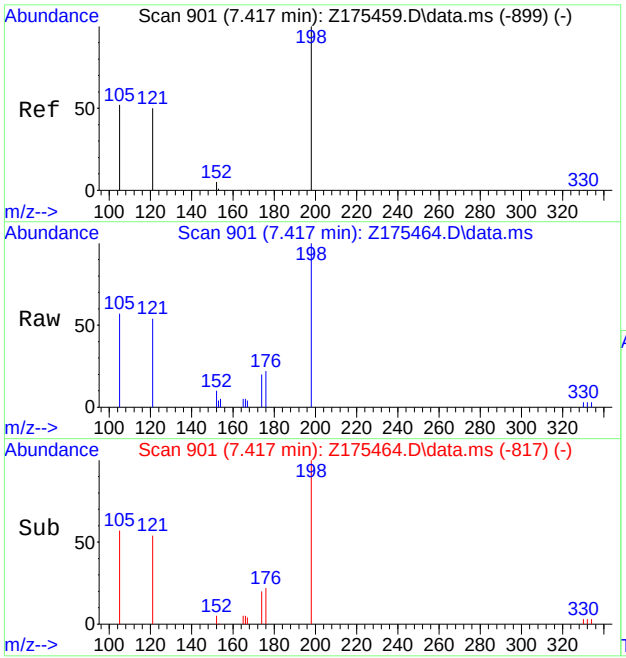


#5
Phenol
Concen: 1167.63 ppb m
RT: 4.345 min Scan# 248
Delta R.T. 0.011 min
Lab File: Z175464.D
Acq: 10 Sep 2025 4:51 pm

Tgt Ion: 94 Resp: 11172

Ion	Ratio	Lower	Upper
94	100		
65	0.0	0.0	0.0
66	47.9	49.8	74.8#

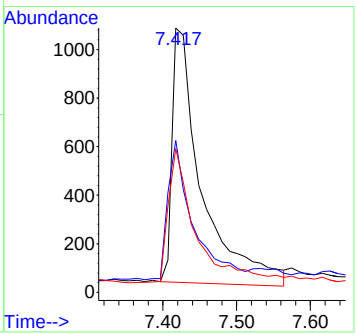




#17
4,6-dinitro-2-methylphenol
Concen: 1166.24 ppb
RT: 7.417 min Scan# 901
Delta R.T. -0.000 min
Lab File: Z175464.D
Acq: 10 Sep 2025 4:51 pm

Tgt Ion:198 Resp: 2935

Ion	Ratio	Lower	Upper
198	100		
105	54.6	25.6	65.6
121	52.8	29.8	69.8



9.5.39

9

Manual Integration Approval Summary

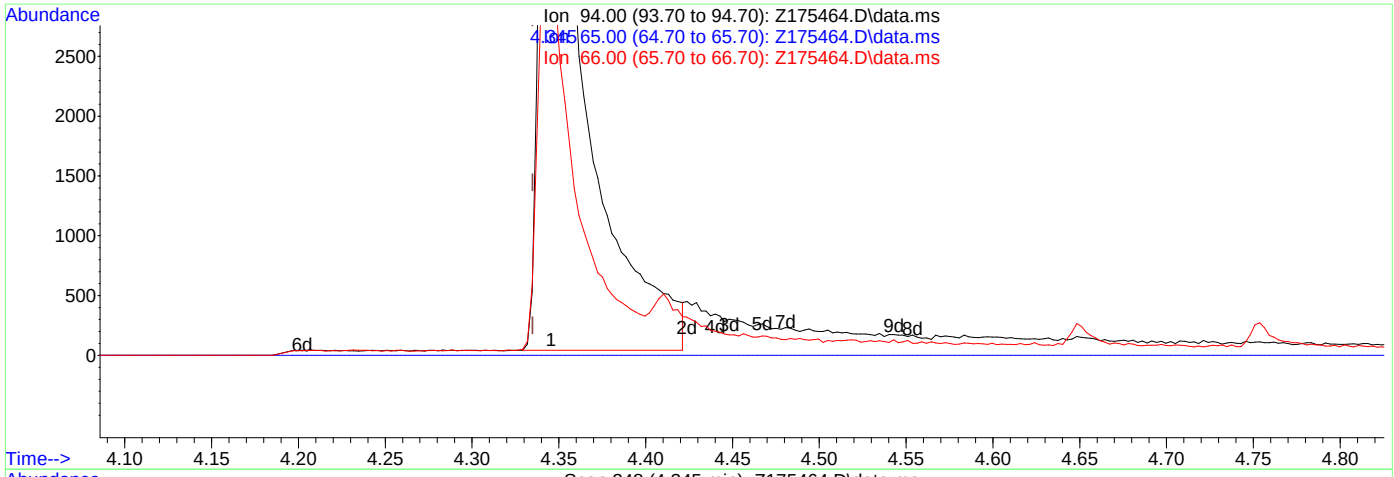
Sample Number: EZ8654-ICV8654
Lab FileID: Z175464.D
Injection Time: 09/10/25 16:51
Method: SW846 8270E BY SIM
Analyst approved: 09/11/25 12:08 Ying Li
Supervisor approved: 09/15/25 15:51 Nina Pandya

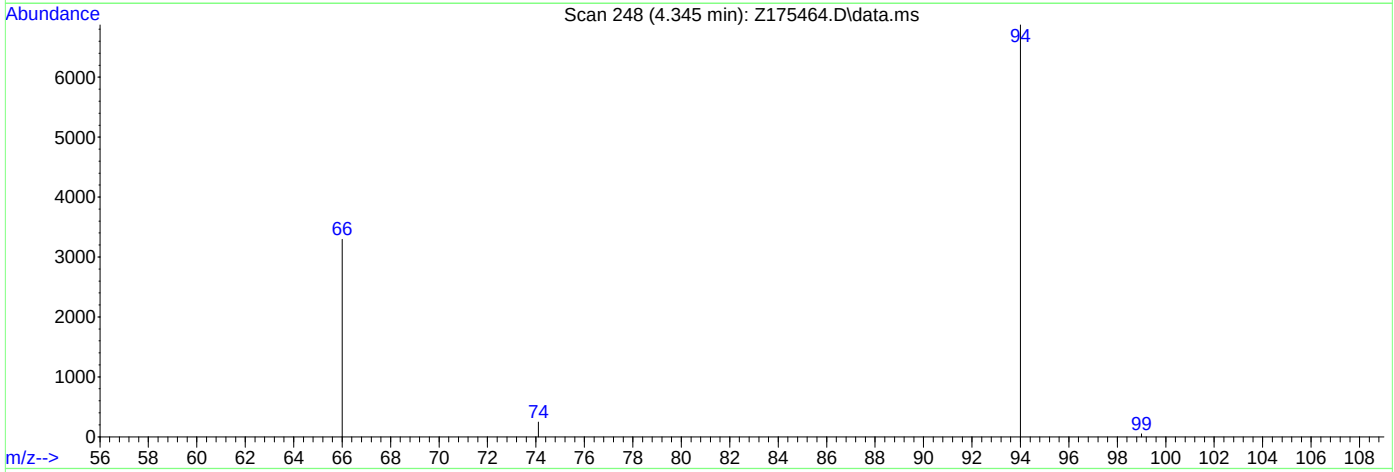
Parameter	CAS	Sig#	R.T. (min.)	Reason
Phenol	108-95-2		4.35	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175464.D
Acq On : 10 Sep 2025 4:51 pm
Operator : rocquans
Sample : icv8654-1
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 11 11:32:06 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Sep 11 11:26:20 2025
Response via : Initial Calibration





TIC: Z175464.D\data.ms

(5) Phenol

4.345min (+0.010) 1117.56ppb

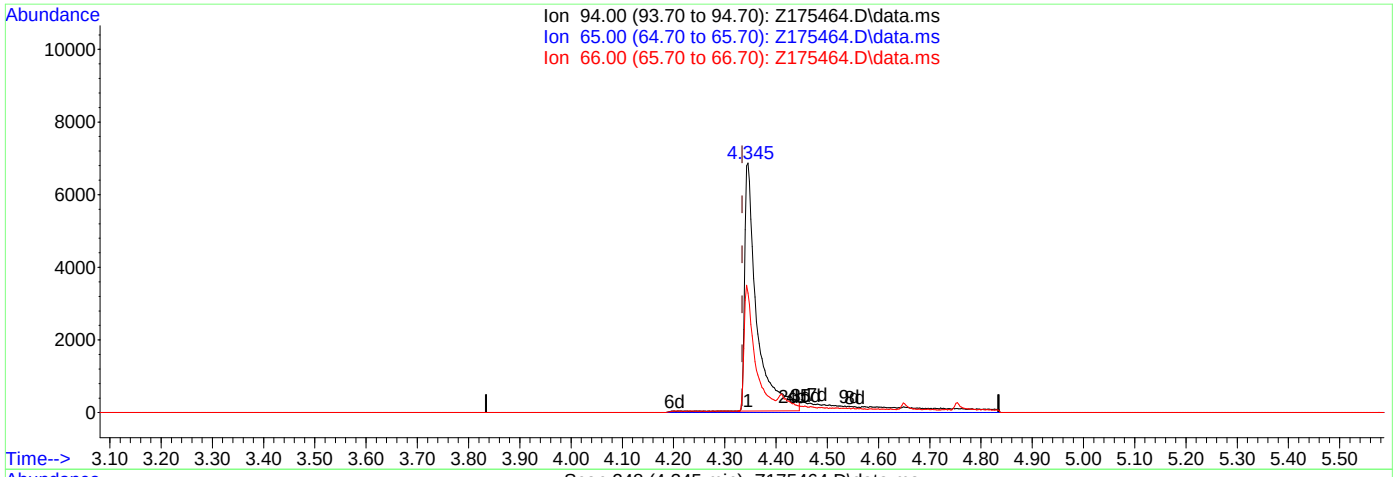
response 10693

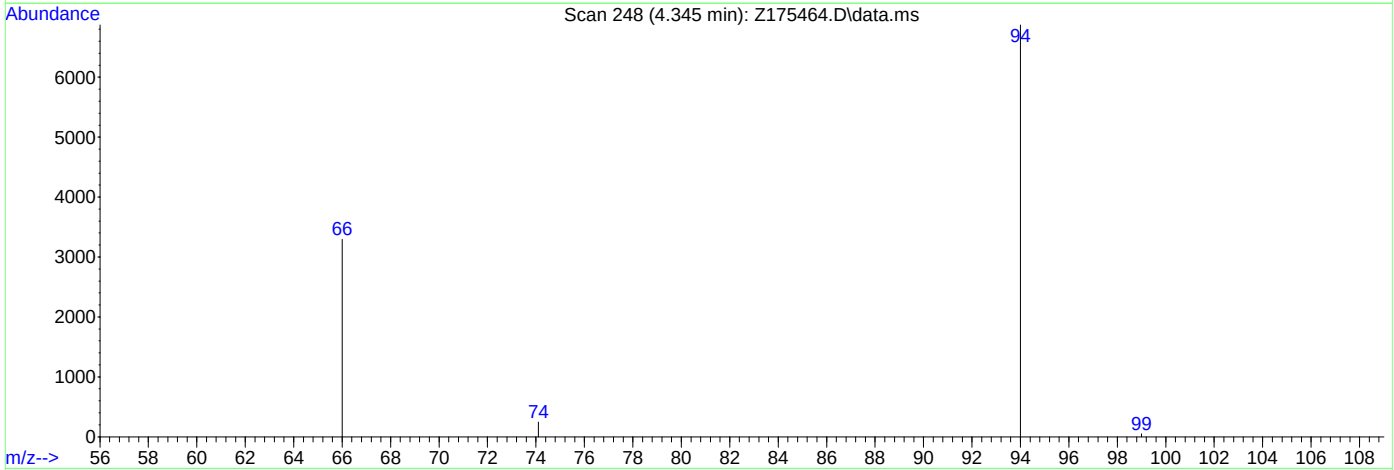
Ion	Exp%	Act%
94.00	100	100
65.00	0.00	0.00
66.00	62.30	46.85#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175464.D
Acq On : 10 Sep 2025 4:51 pm
Operator : rocquans
Sample : icv8654-1
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 11 12:00:41 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Sep 11 12:00:16 2025
Response via : Initial Calibration





TIC: Z175464.D\data.ms

(5) Phenol

4.345min (+0.011) 1167.63ppb m

response 11172

Ion	Exp%	Act%
94.00	100	100
65.00	0.00	0.00
66.00	62.30	47.92#
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
09/15/25 15:51

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175466.D
Acq On : 10 Sep 2025 5:41 pm
Operator : rocquans
Sample : icv8654-0.2
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 11 12:03:05 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Sep 11 12:00:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	6.011	150	10302	800.00	ppb	0.00
12) Fluorene-d10	7.302	176	14605	800.00	ppb	0.00
19) Fluoranthene-d10	10.000	212	24063	800.00	ppb	0.00
29) Benzo(a)pyrene-d12	14.197	264	15693	800.00	ppb	0.00
36) 1-Methylnaphthalene-d10a	6.011	150	10302	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	0.000	112	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
4) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
6) Nitrobenzene-d5	0.000	82	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
13) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
18) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
26) Terphenyl-d14	0.000	244	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.195	88	911m	229.81	ppb	
7) Naphthalene	5.472	128	6250	220.35	ppb	99
8) Hexachlorobutadiene	5.550	225	1567	211.59	ppb	94
9) 2-Methylnaphthalene	5.976	141	2802	171.01	ppb	91
10) 1-Methylnaphthalene	6.041	141	3837	221.13	ppb	95
14) Acenaphthylene	6.692	152	5809	202.39	ppb	100
15) Acenaphthene	6.841	153	4114	198.86	ppb	94
16) Fluorene	7.334	166	4631	209.00	ppb	94
20) Hexachlorobenzene	7.930	284	1664	194.29	ppb	95
22) Phenanthrene	8.426	178	5724	193.33	ppb	98
23) Anthracene	8.494	178	7597	201.79	ppb	99
24) Fluoranthene	10.025	202	7136	190.83	ppb	96
25) Pyrene	10.353	202	7473	193.69	ppb	97
27) Benzo[a]anthracene	12.198	228	4493	177.00	ppb	97
28) Chrysene	12.250	228	8210	208.34	ppb	98
30) Benzo[b]fluoranthene	13.783	252	5205	199.68	ppb	98
31) Benzo[k]fluoranthene	13.818	252	7047	223.02	ppb	99
32) Benzo[a]pyrene	14.220	252	5524	197.61	ppb	99
33) Indeno[1,2,3-cd]pyrene	15.665	276	6729	201.58	ppb	98
34) Dibenz[a,h]anthracene	15.703	278	5496	205.72	ppb	98
35) Benzo[g,h,i]perylene	16.011	276	5550	198.92	ppb	100

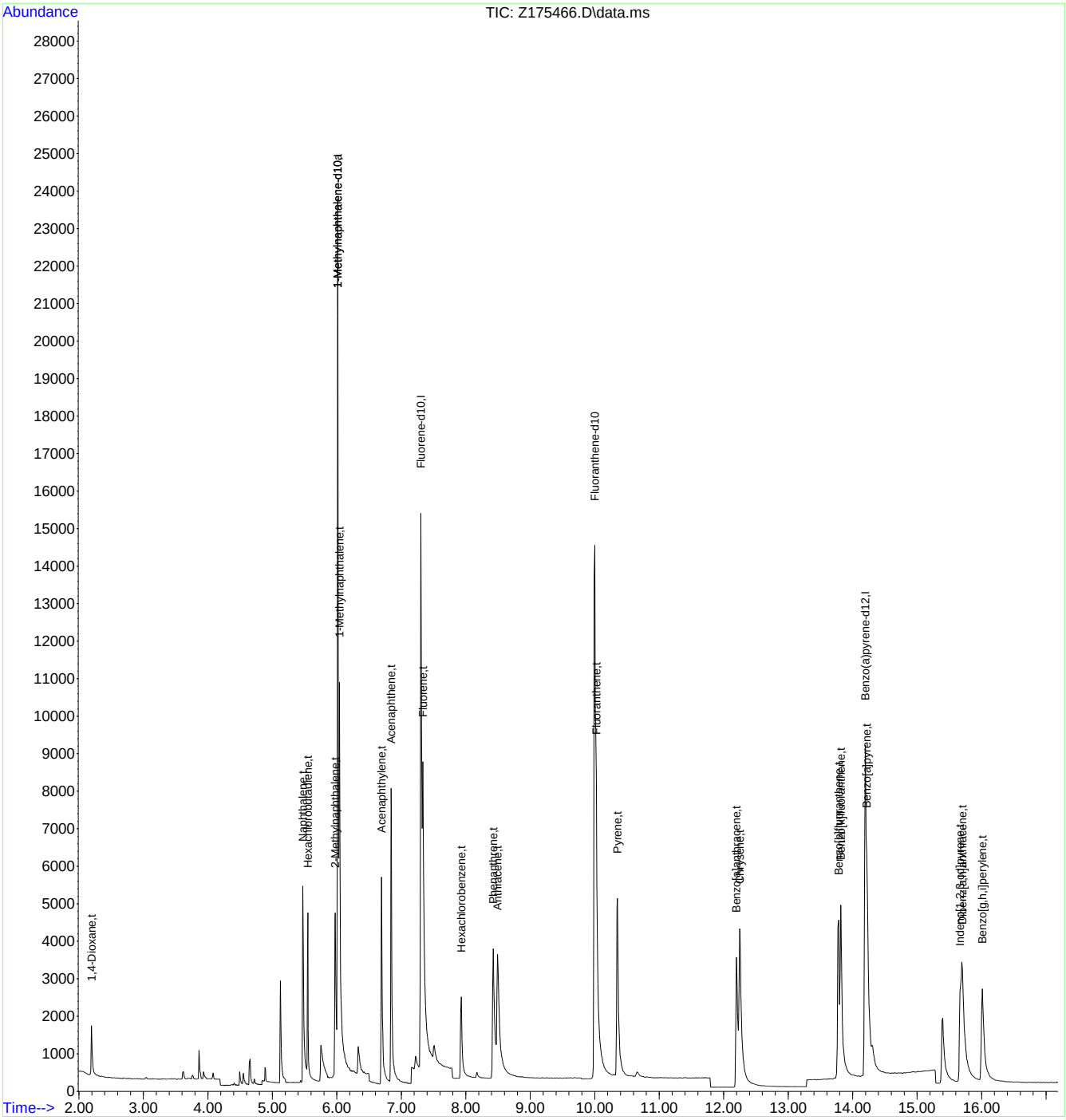
(#) = qualifier out of range (m) = manual integration (+) = signals summed

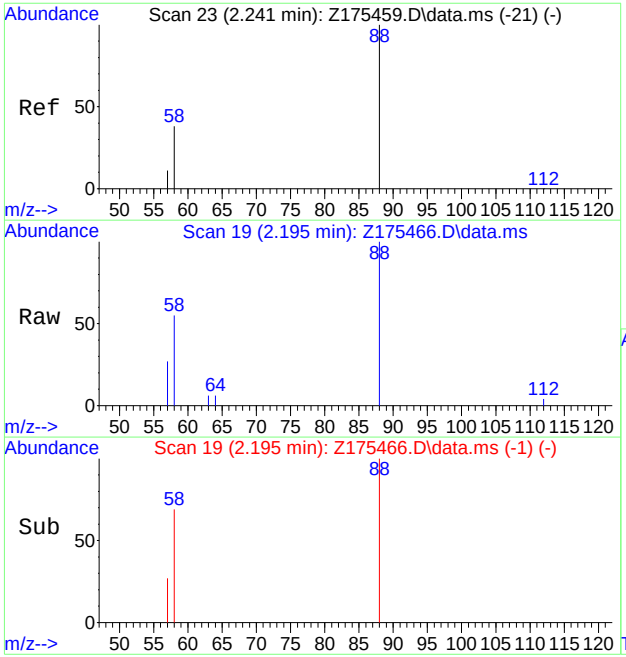
9.5.40
9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175466.D
Acq On : 10 Sep 2025 5:41 pm
Operator : rocquans
Sample : icv8654-0.2
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 11 12:03:05 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Sep 11 12:00:16 2025
Response via : Initial Calibration

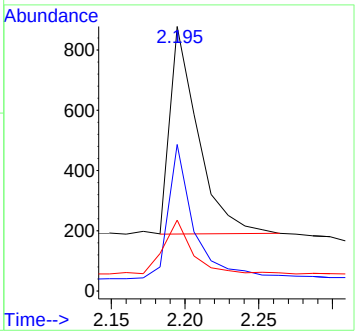


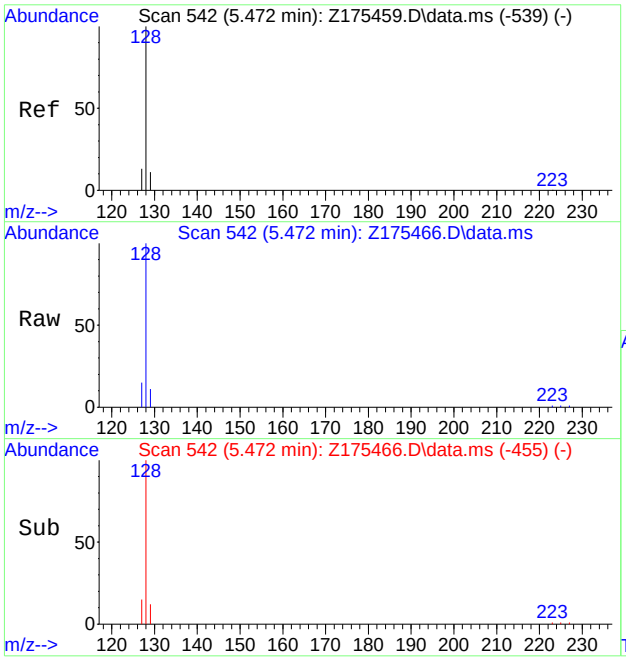


#2
1,4-Dioxane
Concen: 229.81 ppb m
RT: 2.195 min Scan# 19
Delta R.T. -0.046 min
Lab File: Z175466.D
Acq: 10 Sep 2025 5:41 pm

Tgt Ion: 88 Resp: 911

Ion	Ratio	Lower	Upper
88	100		
58	55.4	15.6	55.6
57	26.7	0.0	40.0

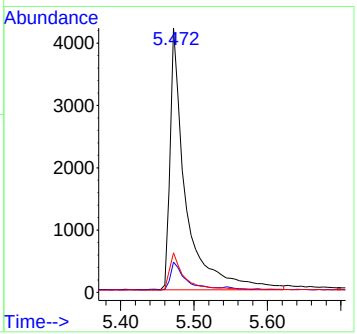


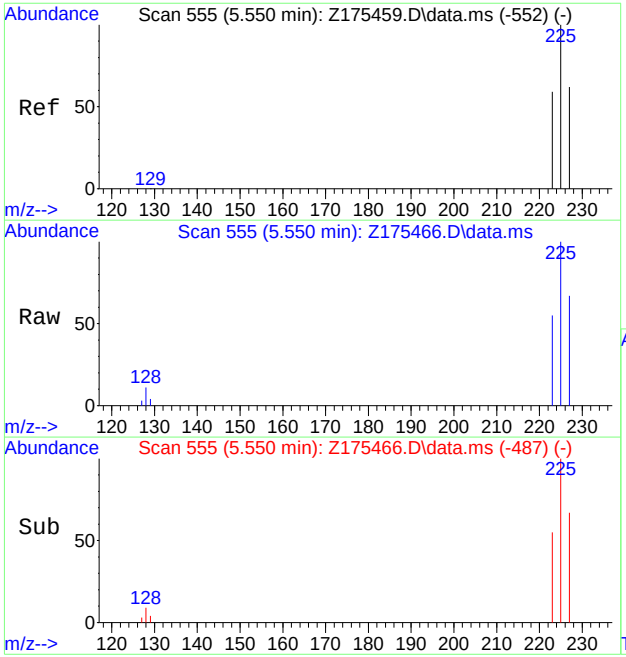


#7
Naphthalene
Concen: 220.35 ppb
RT: 5.472 min Scan# 542
Delta R.T. 0.000 min
Lab File: Z175466.D
Acq: 10 Sep 2025 5:41 pm

Tgt Ion:128 Resp: 6250

Ion	Ratio	Lower	Upper
128	100		
129	10.6	0.0	40.6
127	14.2	0.0	43.3

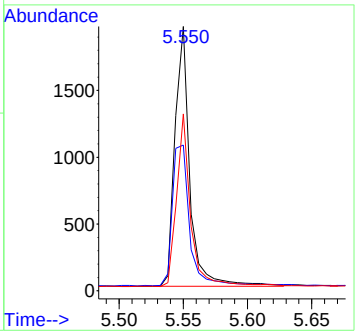


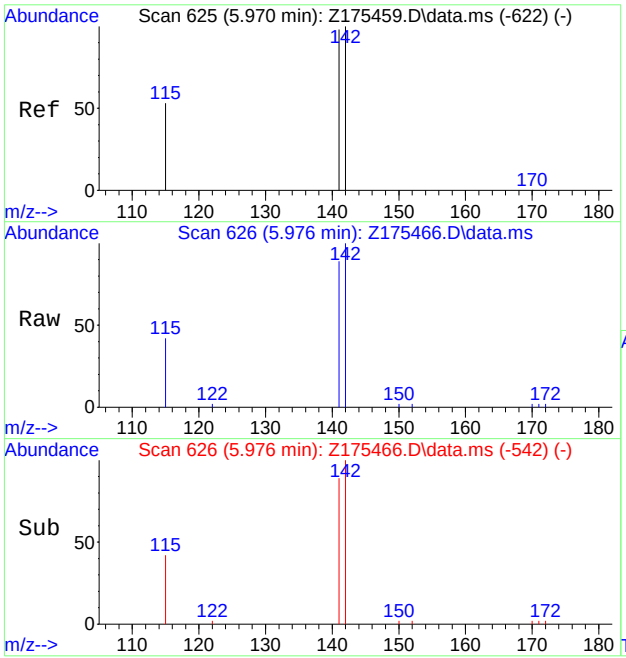


#8
Hexachlorobutadiene
Concen: 211.59 ppb
RT: 5.550 min Scan# 555
Delta R.T. 0.000 min
Lab File: Z175466.D
Acq: 10 Sep 2025 5:41 pm

Tgt Ion:225 Resp: 1567

Ion	Ratio	Lower	Upper
225	100		
223	54.0	29.0	89.0
227	66.3	32.1	92.1

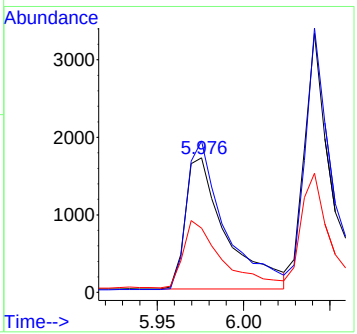


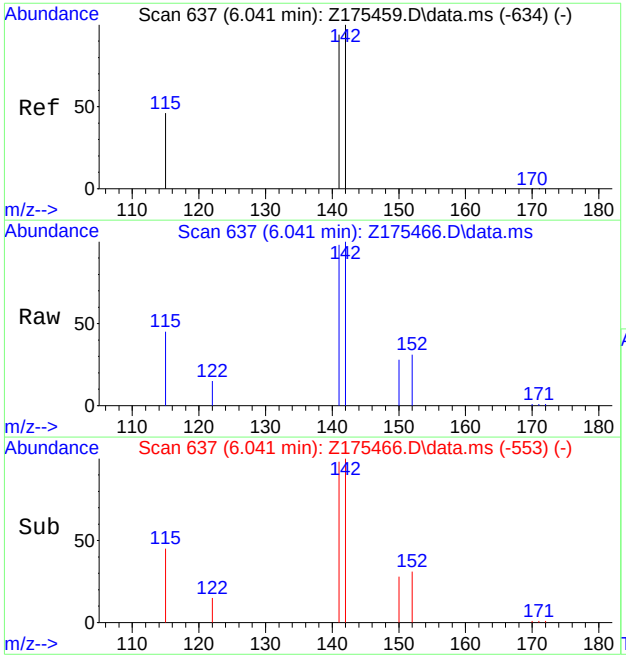


#9
2-Methylnaphthalene
Concen: 171.01 ppb
RT: 5.976 min Scan# 626
Delta R.T. 0.006 min
Lab File: Z175466.D
Acq: 10 Sep 2025 5:41 pm

Tgt Ion:141 Resp: 2802

Ion	Ratio	Lower	Upper
141	100		
142	115.1	77.1	137.1
115	45.5	24.3	84.3

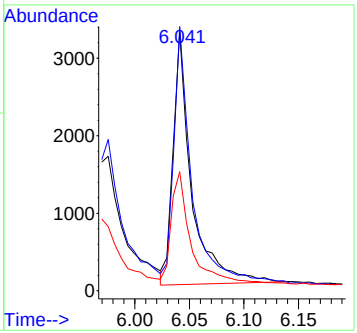


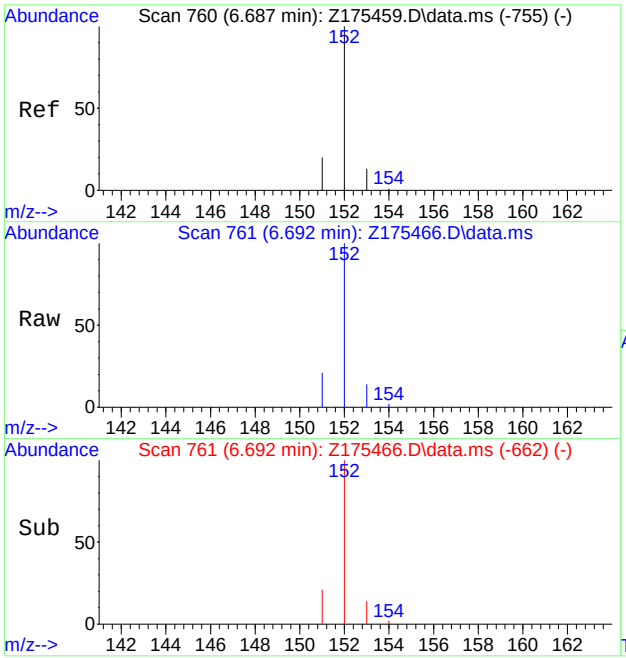


#10
1-Methylnaphthalene
Concen: 221.13 ppb
RT: 6.041 min Scan# 637
Delta R.T. 0.000 min
Lab File: Z175466.D
Acq: 10 Sep 2025 5:41 pm

Tgt Ion:141 Resp: 3837

Ion	Ratio	Lower	Upper
141	100		
142	102.6	77.6	137.6
115	44.7	19.1	79.1

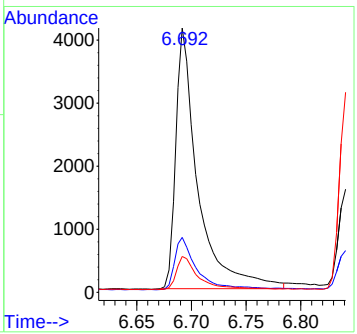


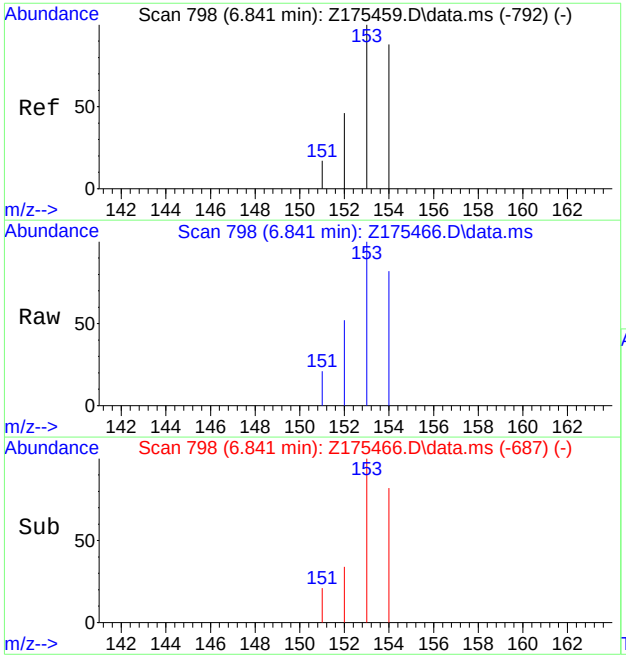


#14
Acenaphthylene
Concen: 202.39 ppb
RT: 6.692 min Scan# 761
Delta R.T. 0.004 min
Lab File: Z175466.D
Acq: 10 Sep 2025 5:41 pm

Tgt Ion:152 Resp: 5809

Ion	Ratio	Lower	Upper
152	100		
151	20.1	0.0	50.1
153	12.7	0.0	42.6

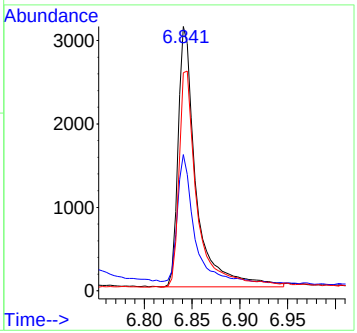


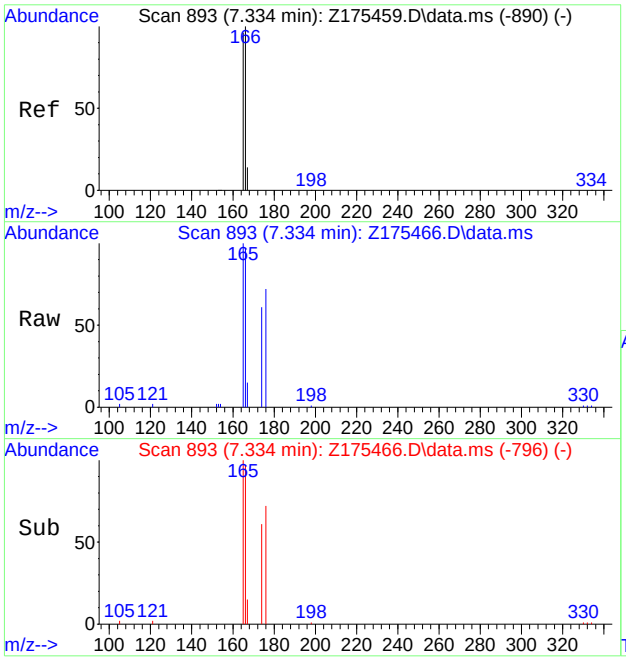


#15
Acenaphthene
Concen: 198.86 ppb
RT: 6.841 min Scan# 798
Delta R.T. 0.000 min
Lab File: Z175466.D
Acq: 10 Sep 2025 5:41 pm

Tgt Ion:153 Resp: 4114

Ion	Ratio	Lower	Upper
153	100		
152	49.3	16.6	76.6
154	82.0	57.9	117.9

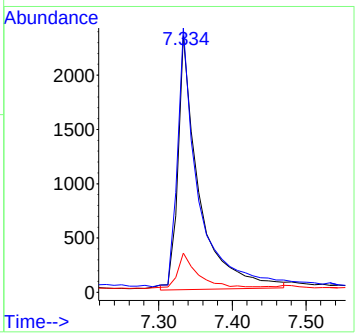


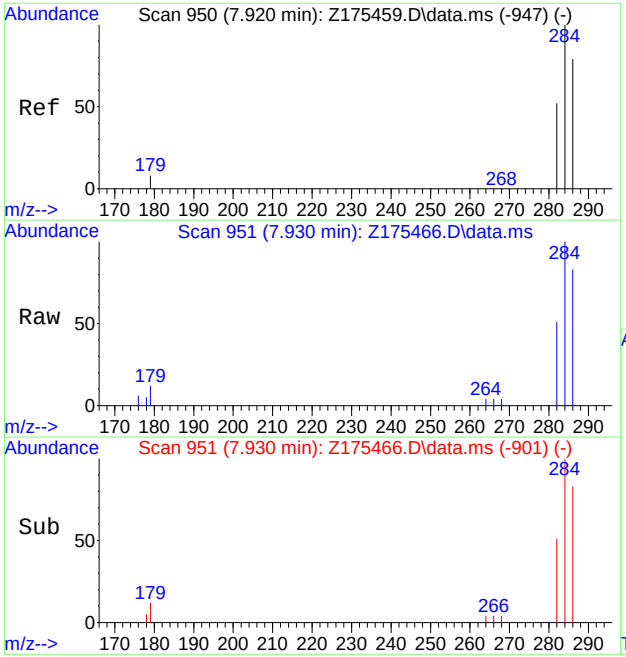


#16
Fluorene
Concen: 209.00 ppb
RT: 7.334 min Scan# 893
Delta R.T. 0.000 min
Lab File: Z175466.D
Acq: 10 Sep 2025 5:41 pm

Tgt Ion:166 Resp: 4631

Ion	Ratio	Lower	Upper
166	100		
165	102.7	65.8	125.8
167	13.4	0.0	43.5

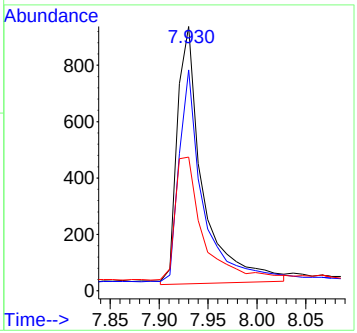


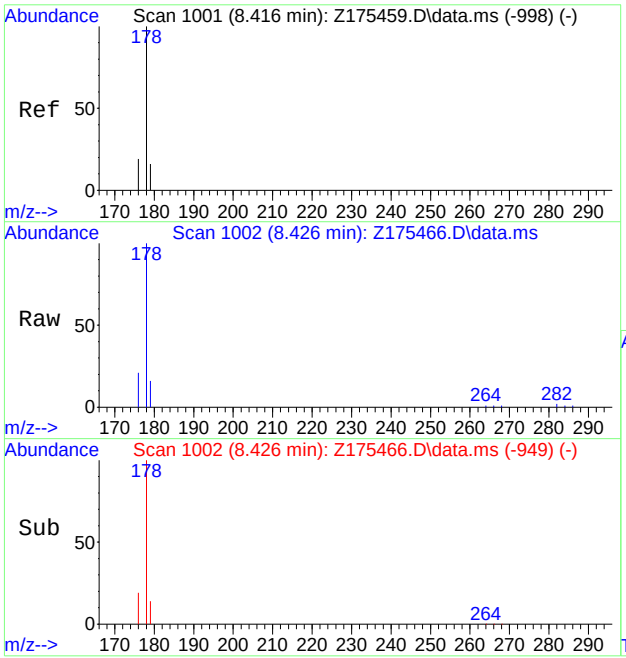


#20
Hexachlorobenzene
Concen: 194.29 ppb
RT: 7.930 min Scan# 951
Delta R.T. 0.010 min
Lab File: Z175466.D
Acq: 10 Sep 2025 5:41 pm

Tgt Ion:284 Resp: 1664

Ion	Ratio	Lower	Upper
284	100		
286	82.8	48.9	108.9
282	47.8	22.1	82.1

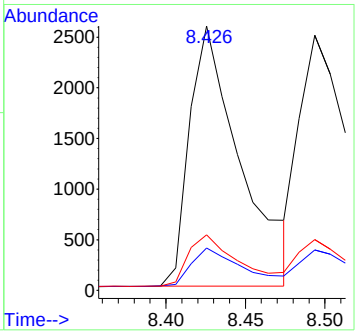


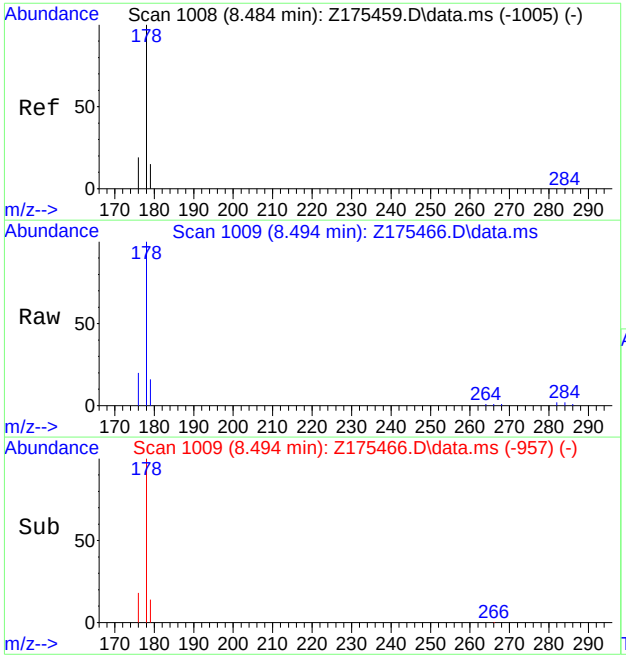


#22
Phenanthrene
Concen: 193.33 ppb
RT: 8.426 min Scan# 1002
Delta R.T. 0.010 min
Lab File: Z175466.D
Acq: 10 Sep 2025 5:41 pm

Tgt Ion:178 Resp: 5724

Ion	Ratio	Lower	Upper
178	100		
179	14.6	0.0	45.6
176	19.5	0.0	48.6

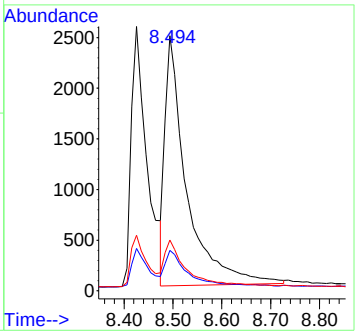


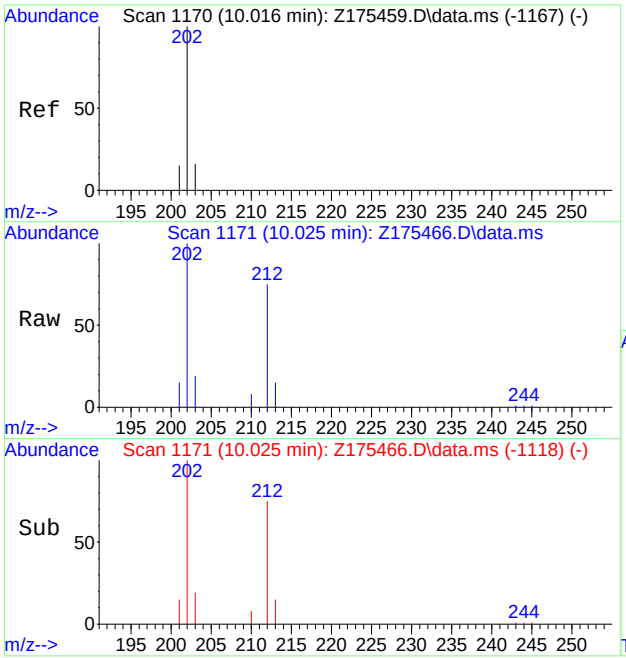


#23
Anthracene
Concen: 201.79 ppb
RT: 8.494 min Scan# 1009
Delta R.T. 0.010 min
Lab File: Z175466.D
Acq: 10 Sep 2025 5:41 pm

Tgt Ion:178 Resp: 7597

Ion	Ratio	Lower	Upper
178	100		
179	14.1	0.0	44.8
176	18.1	0.0	48.7

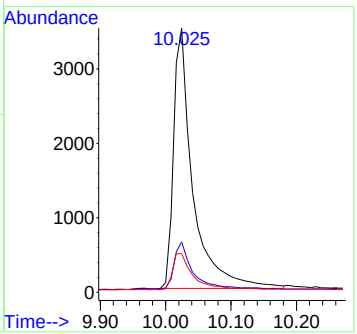


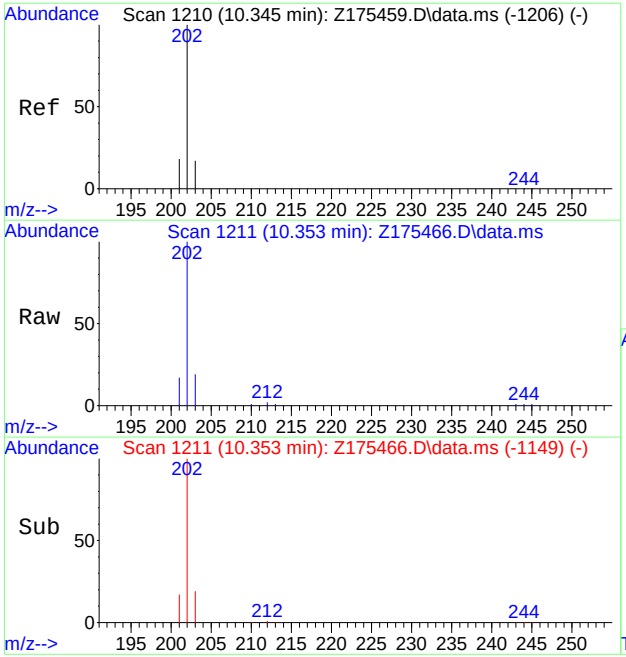


#24
Fluoranthene
Concen: 190.83 ppb
RT: 10.025 min Scan# 1171
Delta R.T. 0.008 min
Lab File: Z175466.D
Acq: 10 Sep 2025 5:41 pm

Tgt Ion:202 Resp: 7136

Ion	Ratio	Lower	Upper
202	100		
203	18.1	0.0	46.4
201	13.8	0.0	45.1

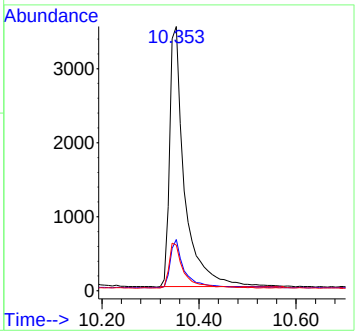


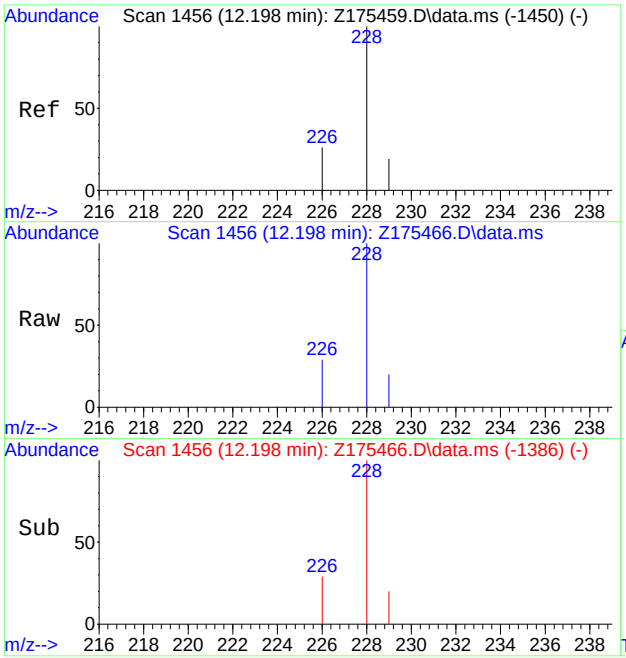


#25
Pyrene
Concen: 193.69 ppb
RT: 10.353 min Scan# 1211
Delta R.T. 0.008 min
Lab File: Z175466.D
Acq: 10 Sep 2025 5:41 pm

Tgt Ion:202 Resp: 7473

Ion	Ratio	Lower	Upper
202	100		
203	18.6	0.0	47.4
201	16.4	0.0	47.8

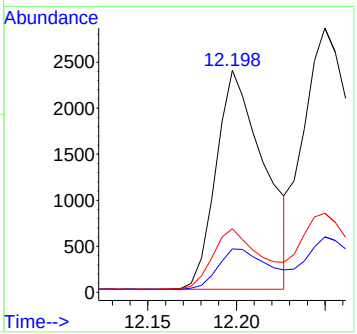


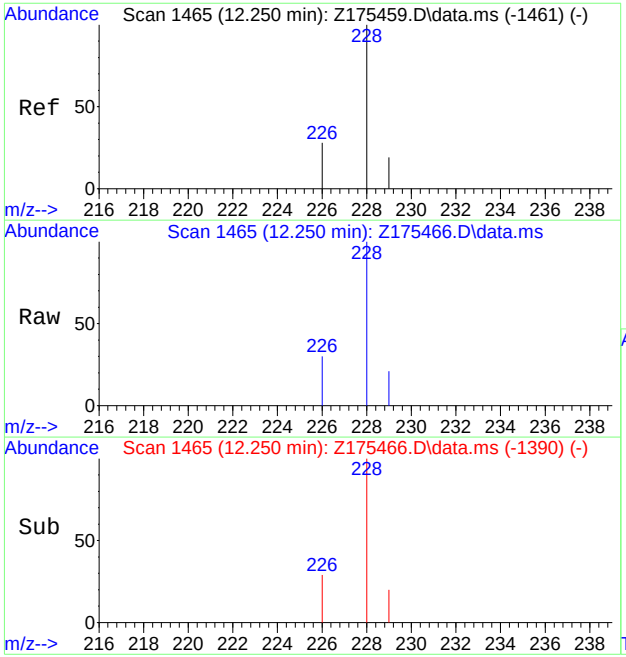


#27
Benzo[a]anthracene
Concen: 177.00 ppb
RT: 12.198 min Scan# 1456
Delta R.T. 0.000 min
Lab File: Z175466.D
Acq: 10 Sep 2025 5:41 pm

Tgt Ion:228 Resp: 4493

Ion	Ratio	Lower	Upper
228	100		
229	17.9	0.0	49.3
226	27.2	0.0	55.6

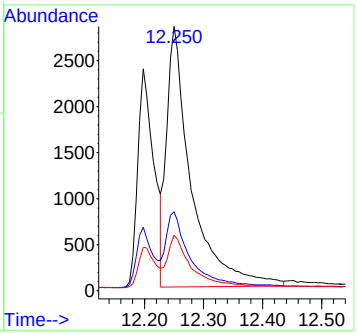


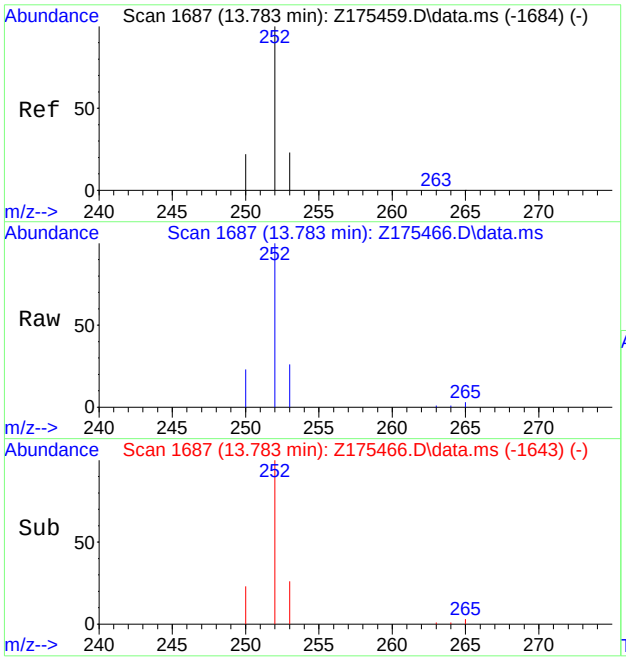


#28
Chrysene
Concen: 208.34 ppb
RT: 12.250 min Scan# 1465
Delta R.T. 0.000 min
Lab File: Z175466.D
Acq: 10 Sep 2025 5:41 pm

Tgt Ion:228 Resp: 8210

Ion	Ratio	Lower	Upper
228	100		
226	29.2	0.0	58.4
229	19.9	0.0	49.1

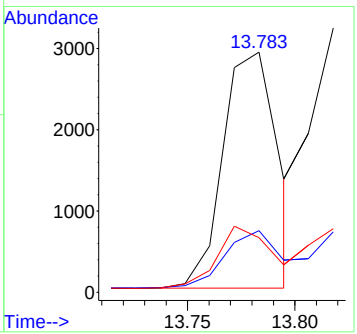


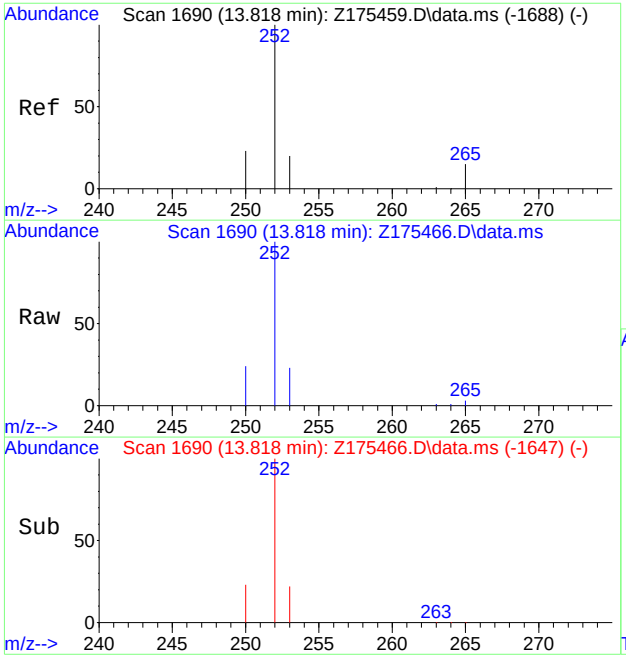


#30
Benzo[b]fluoranthene
Concen: 199.68 ppb
RT: 13.783 min Scan# 1687
Delta R.T. 0.000 min
Lab File: Z175466.D
Acq: 10 Sep 2025 5:41 pm

Tgt Ion:252 Resp: 5205

Ion	Ratio	Lower	Upper
252	100		
253	23.8	0.0	52.6
250	21.2	0.0	51.9

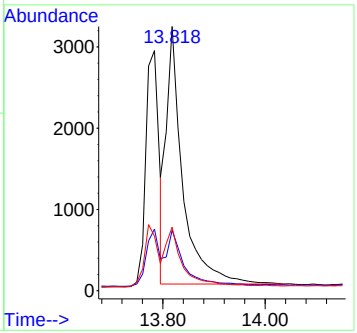


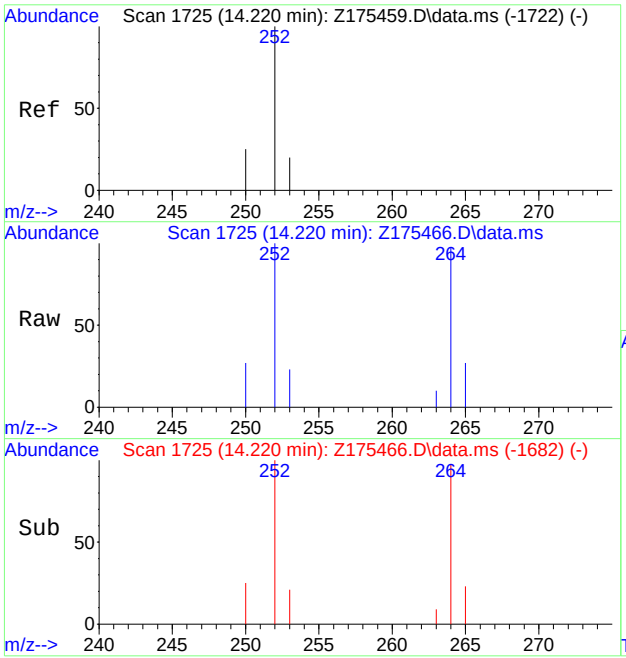


#31
Benzo[k]fluoranthene
Concen: 223.02 ppb
RT: 13.818 min Scan# 1690
Delta R.T. 0.000 min
Lab File: Z175466.D
Acq: 10 Sep 2025 5:41 pm

Tgt Ion:252 Resp: 7047

Ion	Ratio	Lower	Upper
252	100		
253	20.3	0.0	51.0
250	23.2	0.0	53.1

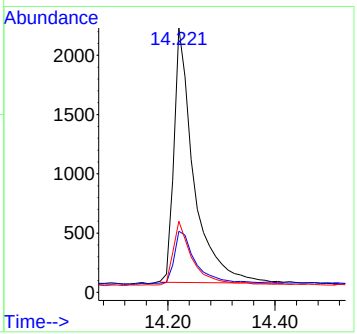


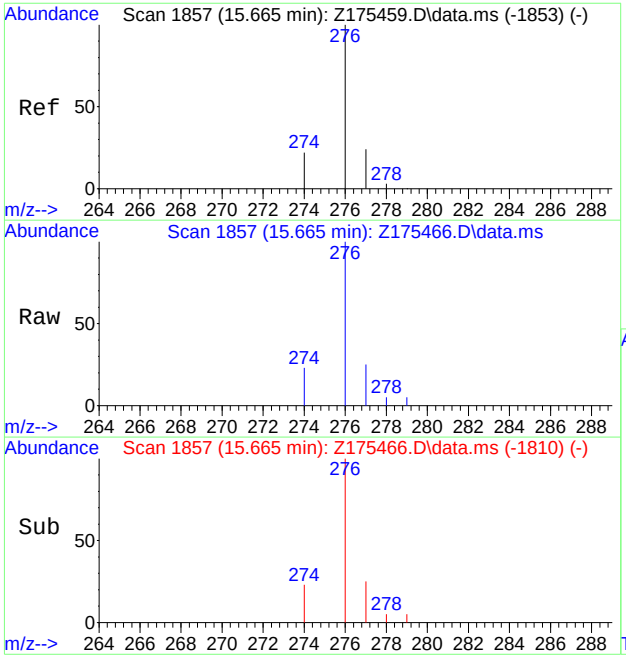


#32
Benzo[a]pyrene
Concen: 197.61 ppb
RT: 14.220 min Scan# 1725
Delta R.T. 0.000 min
Lab File: Z175466.D
Acq: 10 Sep 2025 5:41 pm

Tgt Ion:252 Resp: 5524

Ion	Ratio	Lower	Upper
252	100		
253	20.4	0.0	50.2
250	24.9	0.0	54.3

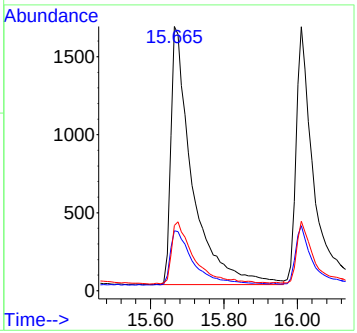


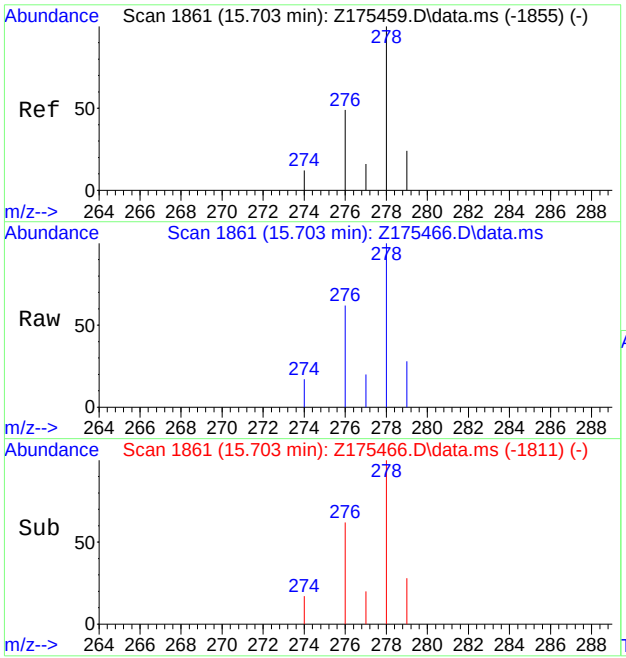


#33
Indeno[1,2,3-cd]pyrene
Concen: 201.58 ppb
RT: 15.665 min Scan# 1857
Delta R.T. 0.000 min
Lab File: Z175466.D
Acq: 10 Sep 2025 5:41 pm

Tgt Ion:276 Resp: 6729

Ion	Ratio	Lower	Upper
276	100		
274	20.8	0.0	51.7
277	22.6	0.0	53.6

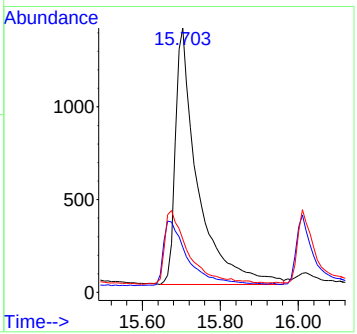


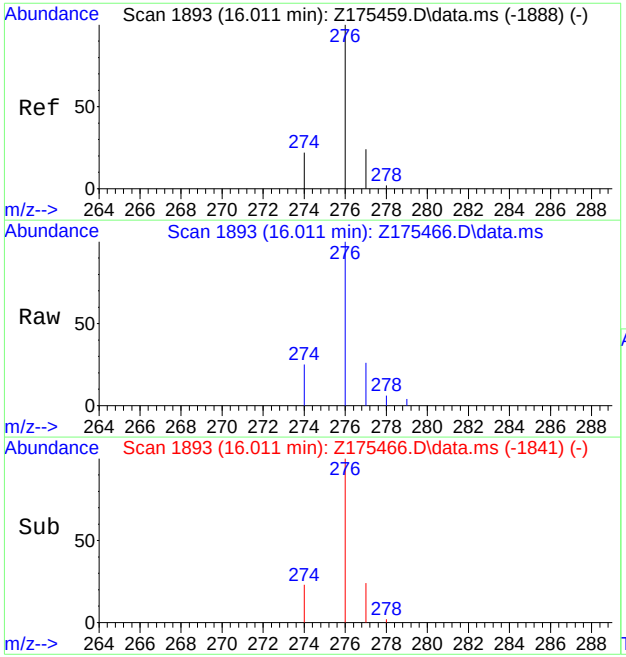


#34
Dibenz[a,h]anthracene
Concen: 205.72 ppb
RT: 15.703 min Scan# 1861
Delta R.T. 0.000 min
Lab File: Z175466.D
Acq: 10 Sep 2025 5:41 pm

Tgt Ion:278 Resp: 5496

Ion	Ratio	Lower	Upper
278	100		
274	12.5	0.0	44.0
277	16.4	0.0	46.5

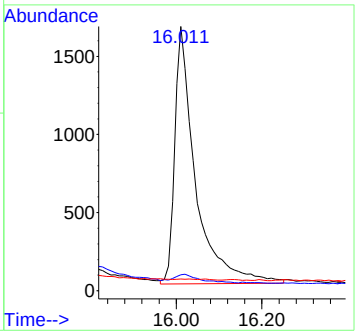




#35
Benzo[g,h,i]perylene
Concen: 198.92 ppb
RT: 16.011 min Scan# 1893
Delta R.T. 0.000 min
Lab File: Z175466.D
Acq: 10 Sep 2025 5:41 pm

Tgt Ion:276 Resp: 5550

Ion	Ratio	Lower	Upper
276	100		
278	2.8	0.0	32.8
279	0.1	0.0	30.0



Manual Integration Approval Summary

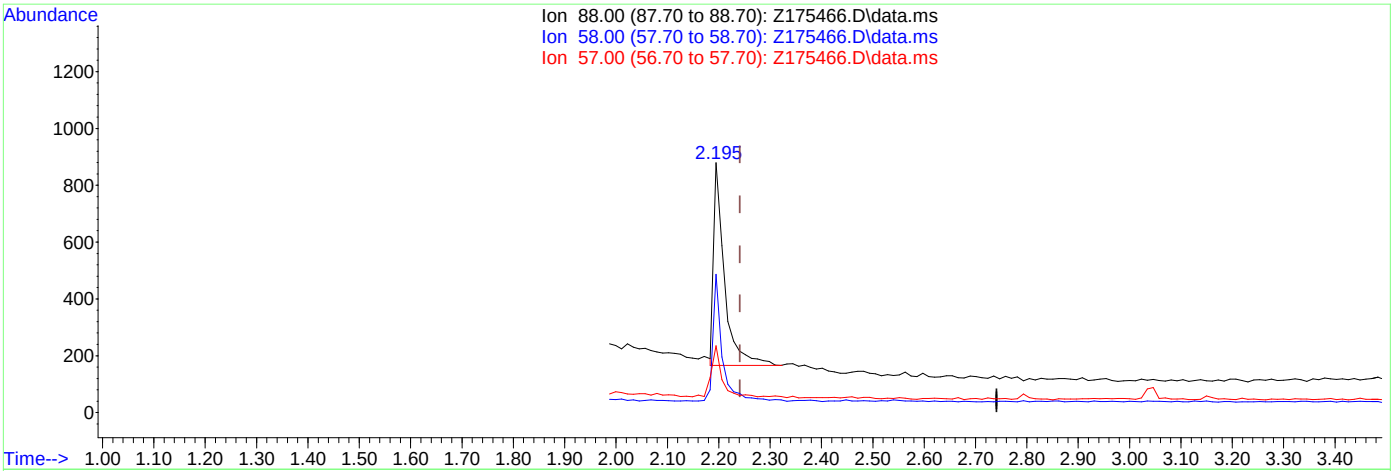
Sample Number:	EZ8654-ICV8654	**Method:**	SW846 8270E BY SIM
Lab FileID:	Z175466.D	**Analyst approved:**	09/11/25 12:08 Ying Li
Injection Time:	09/10/25 17:41	**Supervisor approved:**	09/15/25 15:51 Nina Pandya

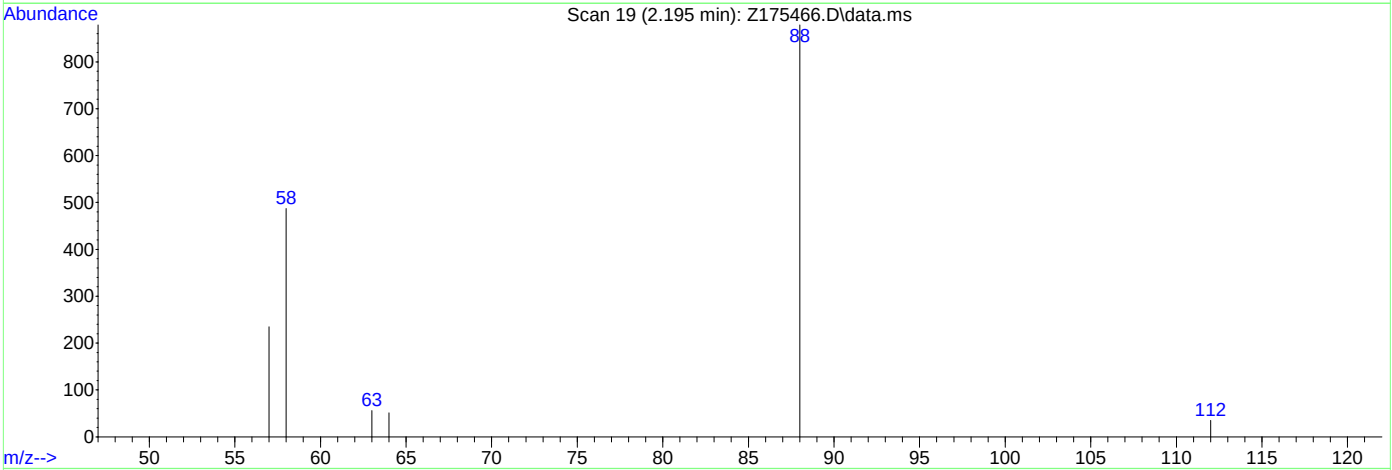
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,4-Dioxane	123-91-1		2.19	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175466.D
Acq On : 10 Sep 2025 5:41 pm
Operator : rocquans
Sample : icv86540.2
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 11 11:28:56 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Sep 11 11:26:20 2025
Response via : Initial Calibration





TIC: Z175466.D\data.ms

(2) 1,4-Dioxane (t)

2.195min (-0.046) 268.66ppb

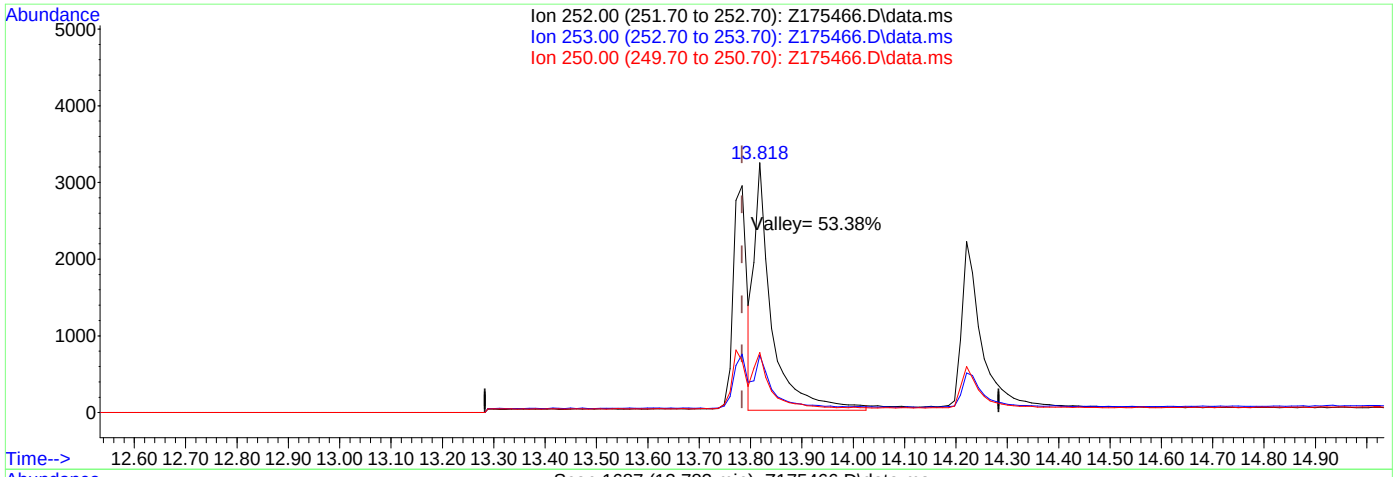
response 1065

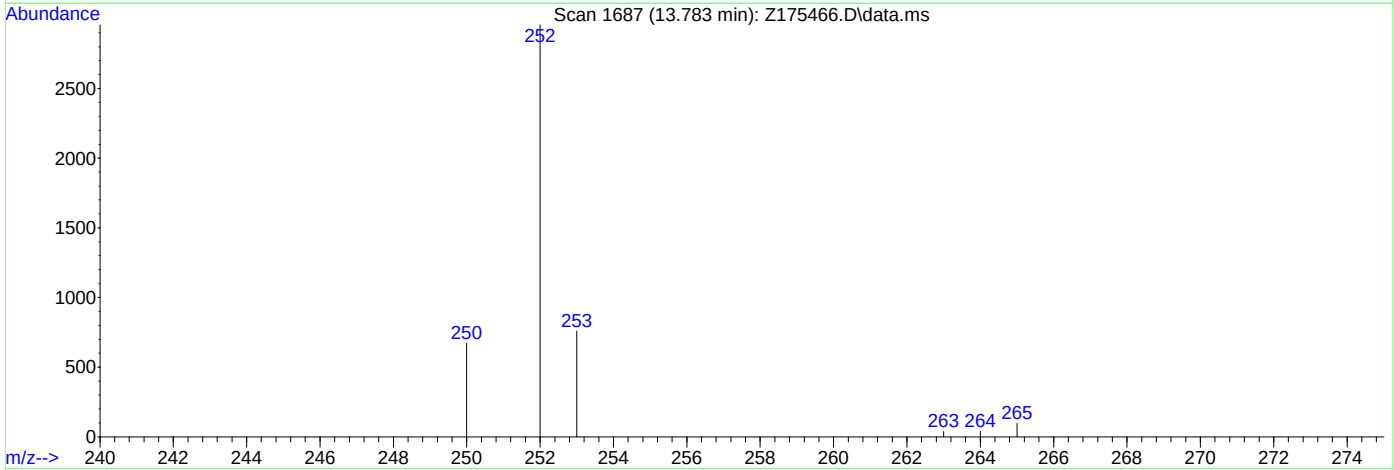
Ion	Exp%	Act%
88.00	100	100
58.00	35.60	60.56#
57.00	20.00	20.61
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175466.D
Acq On : 10 Sep 2025 5:41 pm
Operator : rocquans
Sample : icv8654-0.2
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 11 11:29:50 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Sep 11 11:26:20 2025
Response via : Initial Calibration





TIC: Z175466.D\data.ms

(30) Benzo[b]fluoranthene (t)

13.783min (+0.000) 199.68ppb

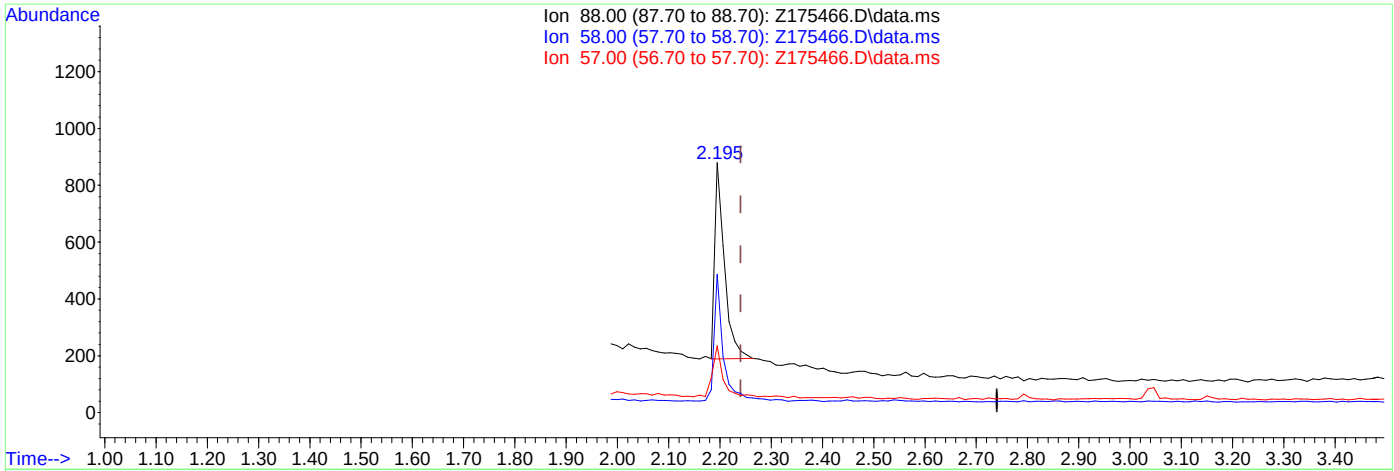
response 5205

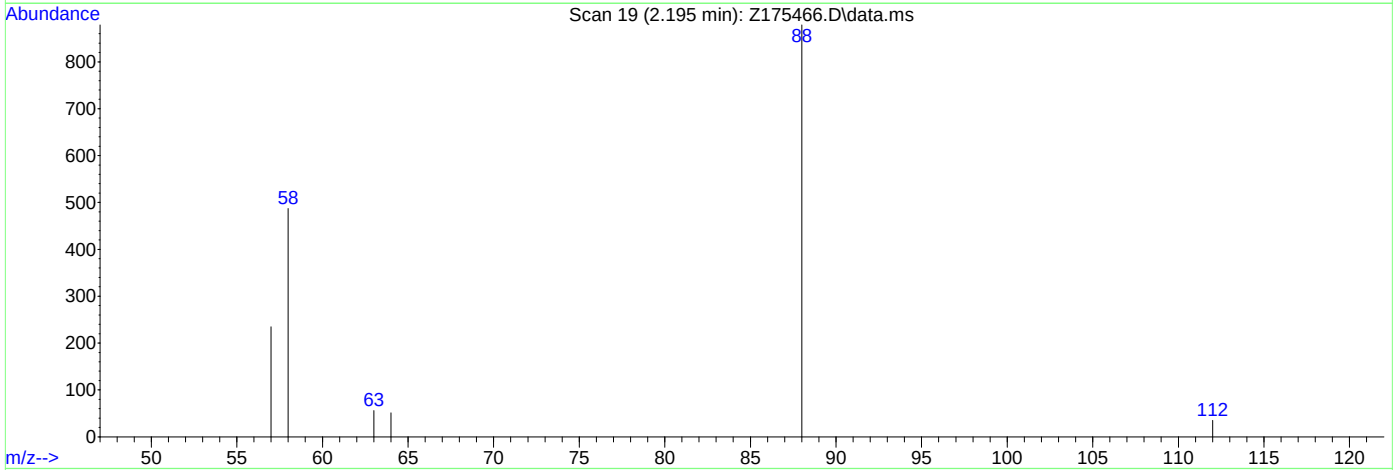
Ion	Exp%	Act%
252.00	100	100
253.00	22.60	23.81
250.00	21.90	21.24
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\EZ8654\
Data File : Z175466.D
Acq On : 10 Sep 2025 5:41 pm
Operator : rocquans
Sample : icv8654-0.2
Misc : op66828a,ez8654,250,,,1,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 11 12:02:08 2025
Quant Method : C:\MSDCHEM\1\METHODS\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Thu Sep 11 12:00:16 2025
Response via : Initial Calibration





TIC: Z175466.D\data.ms

(2) 1,4-Dioxane (t)

2.195min (-0.046) 229.81ppb m

response 911

Ion	Exp%	Act%
88.00	100	100
58.00	35.60	55.40
57.00	20.00	26.73
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Jezreel Oblin
10/20/25 08:08

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\alodiab\EZ8690\
Data File : Z176467.d
Acq On : 19 Oct 2025 11:54 am
Operator : thomasl
Sample : cc8654-0.2 Inst : GCMSZ
Misc : op68255a,ez8690,250,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 20 02:30:34 2025
Quant Method : X:\Dayton SVOA GCMS\alodiab\Methods\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 02:28:59 2025
Response via : Initial Calibration

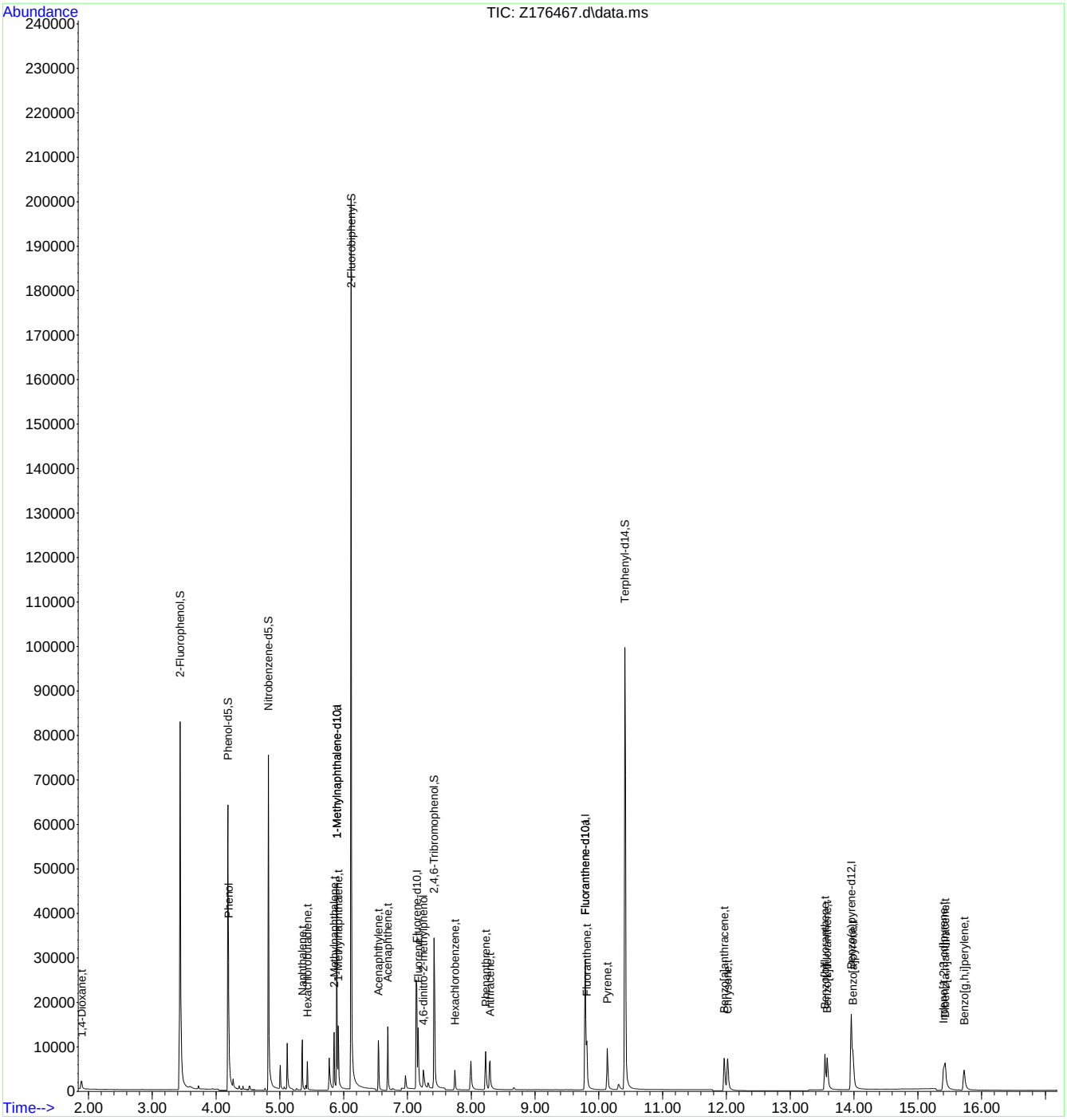
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	5.891	150	13255	800.00	ppb	0.00
12) Fluorene-d10	7.145	176	17861	800.00	ppb	0.00
19) Fluoranthene-d10	9.786	212	29498	800.00	ppb	0.00
28) Benzo(a)pyrene-d12	13.959	264	23410	800.00	ppb	0.00
35) 1-Methylnaphthalene-d10a	5.891	150	13255	800.00	ppb	0.00
37) Fluoranthene-d10a	9.786	212	29498	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	3.437	112	47023	5244.69	ppb	0.00
Spiked Amount 10000.000			Recovery =	52.45%		
4) Phenol-d5	4.185	99	48076	4673.30	ppb	0.00
Spiked Amount 10000.000			Recovery =	46.73%		
6) Nitrobenzene-d5	4.821	82	49342	4453.76	ppb	0.00
Spiked Amount 10000.000			Recovery =	44.54%		
13) 2-Fluorobiphenyl	6.118	172	103784	4144.98	ppb	0.00
Spiked Amount 10000.000			Recovery =	41.45%		
18) 2,4,6-Tribromophenol	7.418	330	17601	4226.90	ppb	0.00
Spiked Amount 10000.000			Recovery =	42.27%		
25) Terphenyl-d14	10.410	244	93111	3795.26	ppb	0.00
Spiked Amount 10000.000			Recovery =	37.95%		
Target Compounds						Qvalue
2) 1,4-Dioxane	1.895	88	1178m	230.9600	ppb	
5) Phenol	4.195	94	12523	1158.3413	ppb	100
7) Naphthalene	5.352	128	7797	213.6504	ppb	100
8) Hexachlorobutadiene	5.430	225	1822	191.2135	ppb	100
9) 2-Methylnaphthalene	5.850	141	4429	210.0839	ppb	100
10) 1-Methylnaphthalene	5.915	141	4198	188.0335	ppb	100
14) Acenaphthylene	6.545	152	7623	217.1777	ppb	100
15) Acenaphthene	6.691	153	5059	199.9567	ppb	100
16) Fluorene	7.166	166	5884	217.1442	ppb	100
17) 4,6-dinitro-2-methylph...	7.250	198	3461	1183.9077	ppb	100
20) Hexachlorobenzene	7.741	284	2072	197.3506	ppb	100
21) Phenanthrene	8.227	178	7858	216.5017	ppb	100
22) Anthracene	8.295	178	8471	183.5520	ppb	100
23) Fluoranthene	9.811	202	8932	194.8459	ppb	100
24) Pyrene	10.131	202	9359	197.8758	ppb	100
26) Benzo[a]anthracene	11.963	228	8011	257.4496	ppb	100
27) Chrysene	12.021	228	9314	192.8087	ppb	100
29) Benzo[b]fluoranthene	13.545	252	8535	219.4935	ppb	100
30) Benzo[k]fluoranthene	13.579	252	7952	168.7046	ppb	100
31) Benzo[a]pyrene	13.982	252	8306	199.1796	ppb	100
32) Indeno[1,2,3-cd]pyrene	15.399	276	8835m	177.4200	ppb	
33) Dibenz[a,h]anthracene	15.428	278	7147	179.3300	ppb	100
34) Benzo[g,h,i]perylene	15.726	276	7347m	176.5254	ppb	

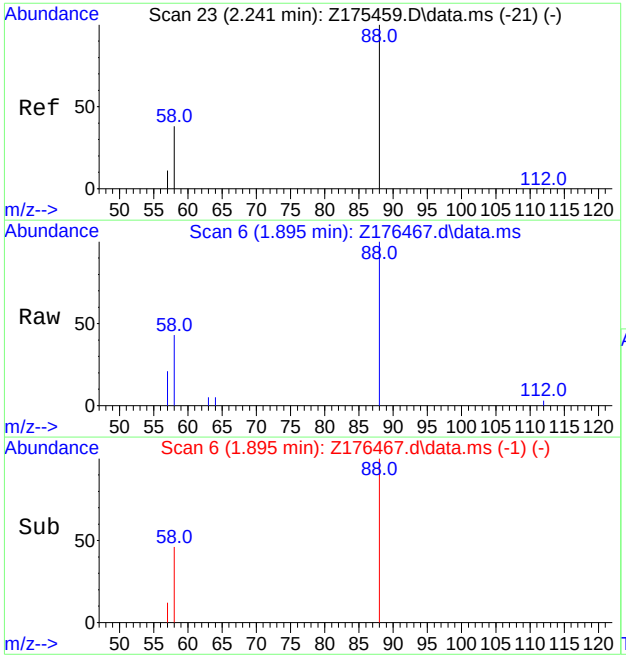
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\alodiab\EZ8690\
Data File : Z176467.d
Acq On : 19 Oct 2025 11:54 am
Operator : thomasl
Sample : cc8654-0.2 Inst : GCMSZ
Misc : op68255a,ez8690,250,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 20 02:30:34 2025
Quant Method : X:\Dayton SVOA GCMS\alodiab\Methods\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 02:28:59 2025
Response via : Initial Calibration

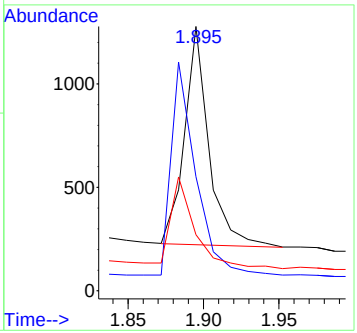


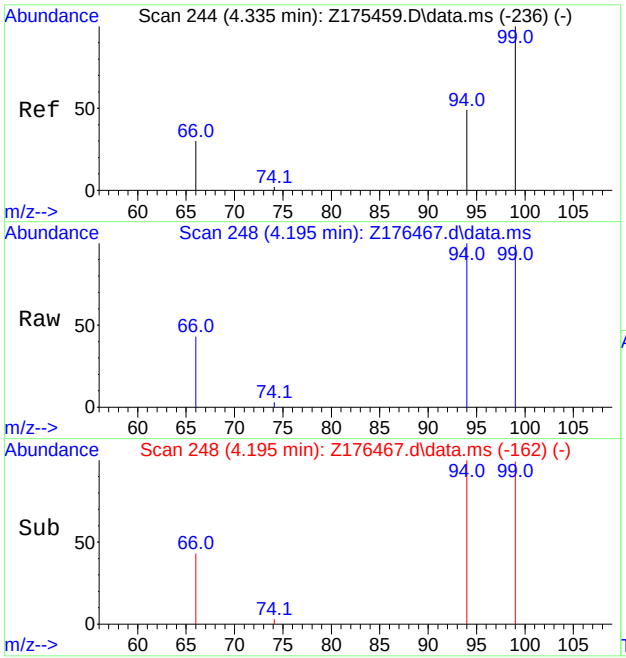


#2
1,4-Dioxane
Concen: 230.9600 ppb m
RT: 1.895 min Scan# 6
Delta R.T. 0.000 min
Lab File: Z176467.d
Acq: 19 Oct 2025 11:54 am

Tgt Ion: 88 Resp: 1178

Ion	Ratio	Lower	Upper
88	100		
58	43.1	23.1	63.1
57	21.3	1.3	41.3

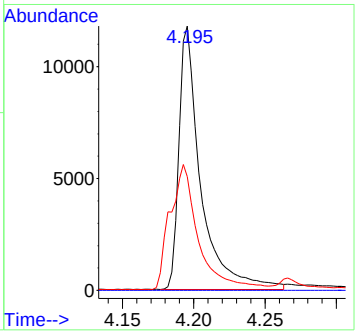


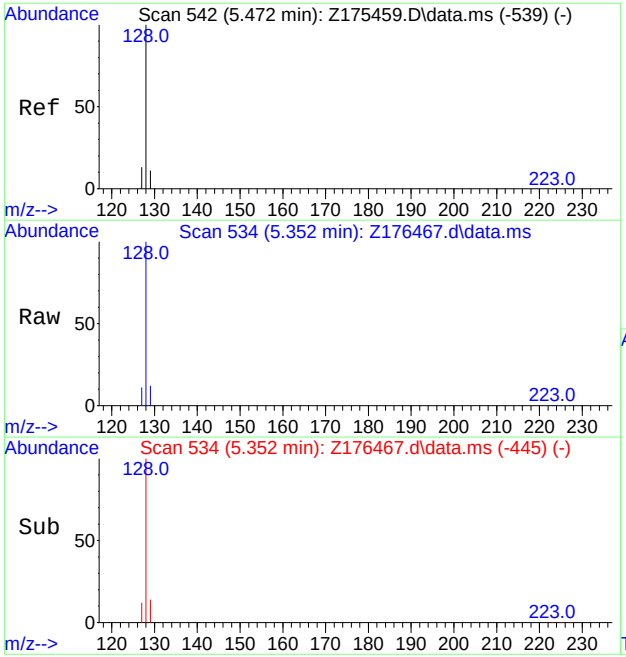


#5
Phenol
Concen: 1158.3413 ppb
RT: 4.195 min Scan# 248
Delta R.T. 0.000 min
Lab File: Z176467.d
Acq: 19 Oct 2025 11:54 am

Tgt Ion: 94 Resp: 12523

Ion	Ratio	Lower	Upper
94	100		
65	0.0	0.0	0.0
66	38.0	30.4	45.6

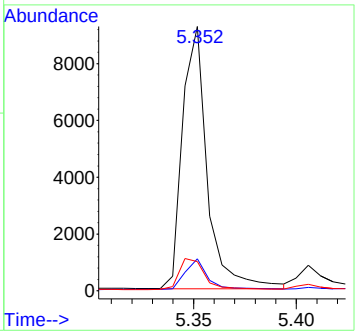


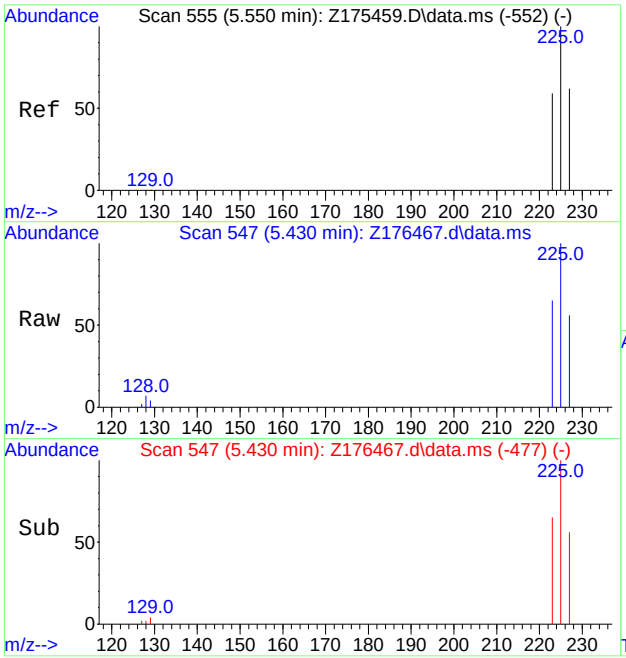


#7
Naphthalene
Concen: 213.6504 ppb
RT: 5.352 min Scan# 534
Delta R.T. 0.000 min
Lab File: Z176467.d
Acq: 19 Oct 2025 11:54 am

Tgt Ion:128 Resp: 7797

Ion	Ratio	Lower	Upper
128	100		
129	11.7	0.0	41.7
127	10.6	0.0	40.6

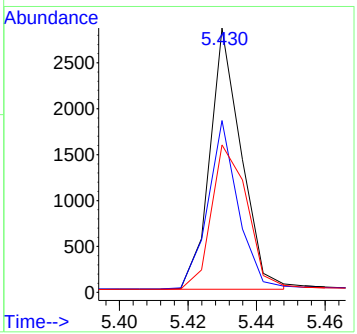


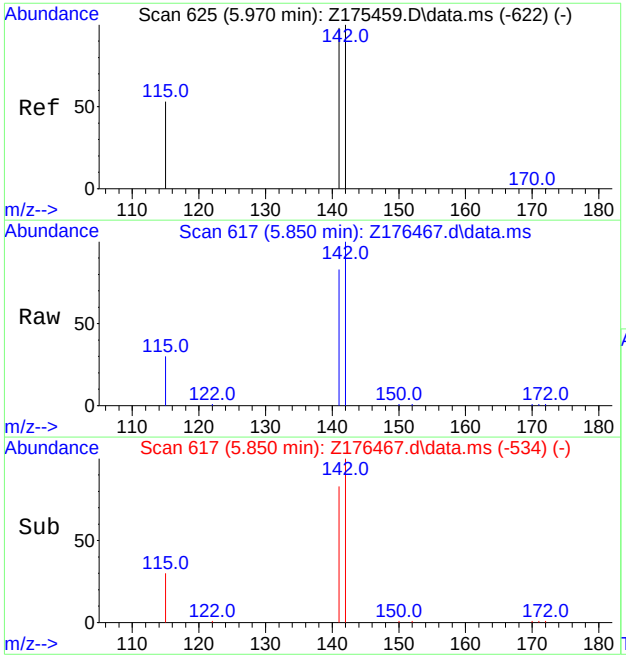


#8
Hexachlorobutadiene
Concen: 191.2135 ppb
RT: 5.430 min Scan# 547
Delta R.T. 0.000 min
Lab File: Z176467.d
Acq: 19 Oct 2025 11:54 am

Tgt Ion:225 Resp: 1822

Ion	Ratio	Lower	Upper
225	100		
223	64.6	34.6	94.6
227	55.0	25.0	85.0

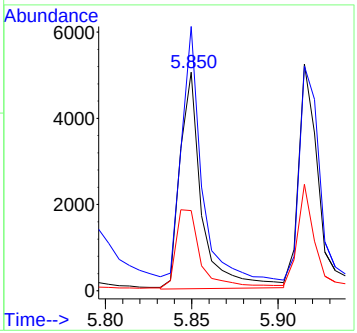


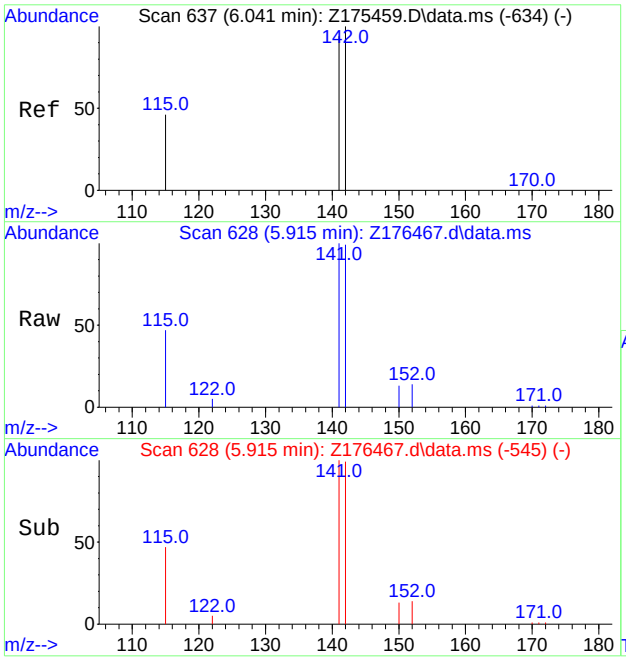


#9
2-Methylnaphthalene
Concen: 210.0839 ppb
RT: 5.850 min Scan# 617
Delta R.T. 0.000 min
Lab File: Z176467.d
Acq: 19 Oct 2025 11:54 am

Tgt Ion:141 Resp: 4429

Ion	Ratio	Lower	Upper
141	100		
142	118.4	88.4	148.4
115	35.7	5.7	65.7

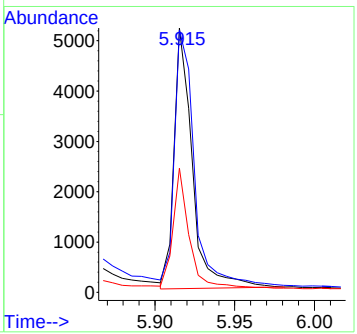


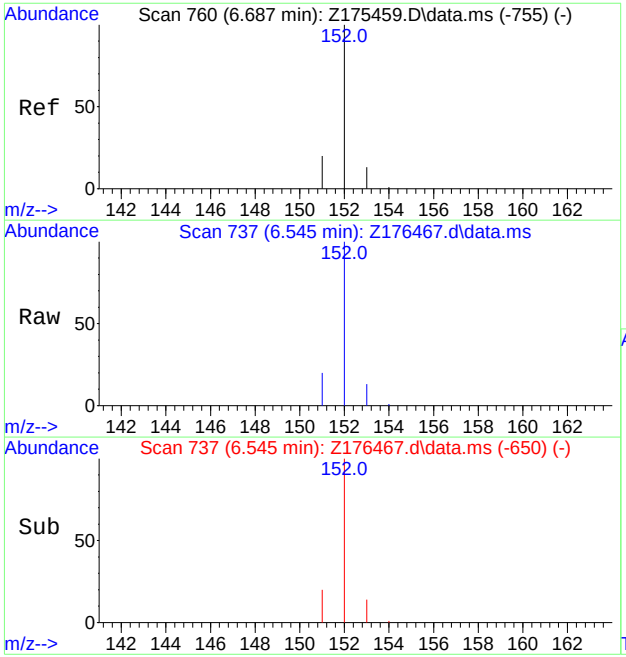


#10
1-Methylnaphthalene
Concen: 188.0335 ppb
RT: 5.915 min Scan# 628
Delta R.T. 0.000 min
Lab File: Z176467.d
Acq: 19 Oct 2025 11:54 am

Tgt Ion:141 Resp: 4198

Ion	Ratio	Lower	Upper
141	100		
142	98.3	68.3	128.3
115	46.3	16.3	76.3

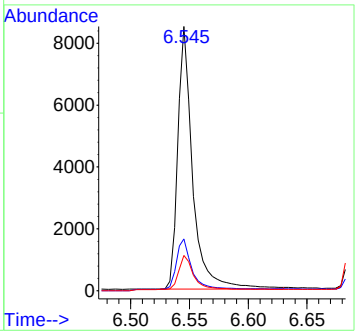


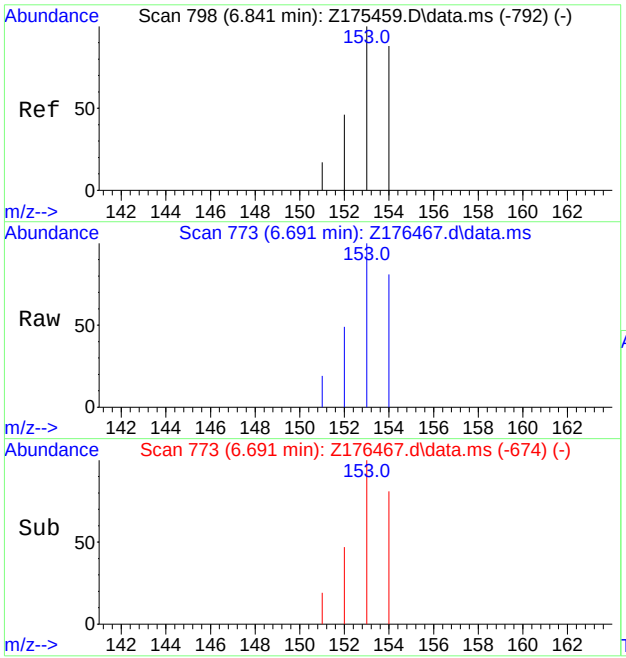


#14
Acenaphthylene
Concen: 217.1777 ppb
RT: 6.545 min Scan# 737
Delta R.T. 0.000 min
Lab File: Z176467.d
Acq: 19 Oct 2025 11:54 am

Tgt Ion:152 Resp: 7623

Ion	Ratio	Lower	Upper
152	100		
151	19.2	0.0	49.2
153	13.0	0.0	43.0

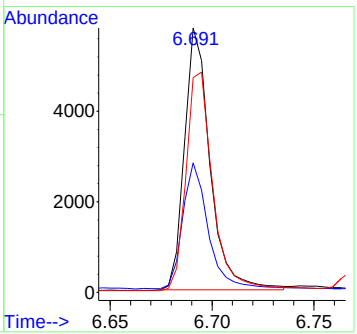


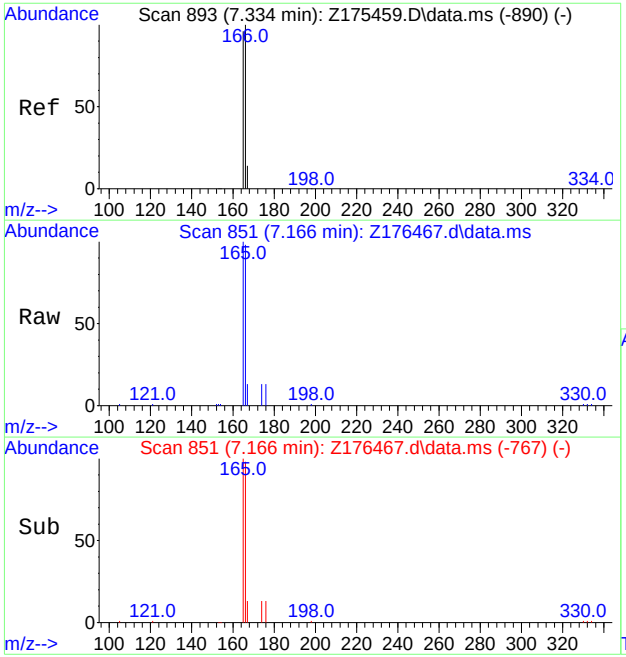


#15
Acenaphthene
Concen: 199.9567 ppb
RT: 6.691 min Scan# 773
Delta R.T. 0.000 min
Lab File: Z176467.d
Acq: 19 Oct 2025 11:54 am

Tgt Ion:153 Resp: 5059

Ion	Ratio	Lower	Upper
153	100		
152	48.1	18.1	78.1
154	81.2	51.2	111.2

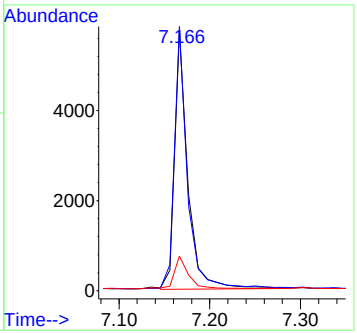


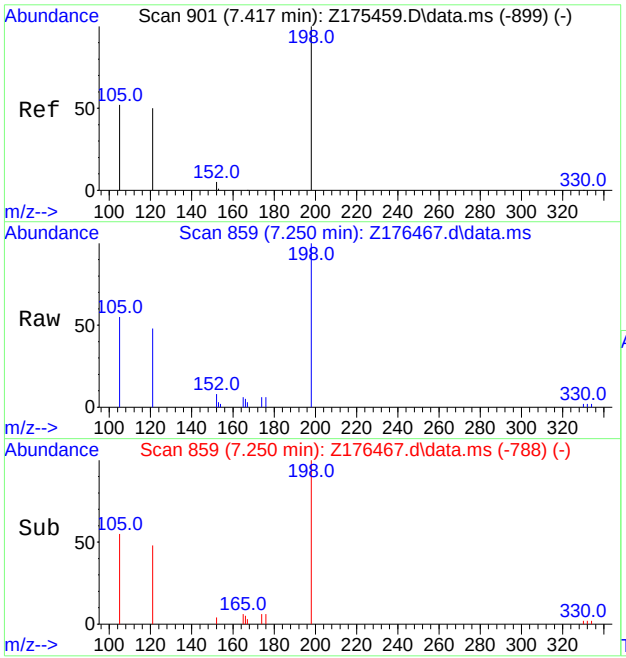


#16
Fluorene
Concen: 217.1442 ppb
RT: 7.166 min Scan# 851
Delta R.T. 0.000 min
Lab File: Z176467.d
Acq: 19 Oct 2025 11:54 am

Tgt Ion:166 Resp: 5884

Ion	Ratio	Lower	Upper
166	100		
165	102.0	72.0	132.0
167	12.5	0.0	42.5

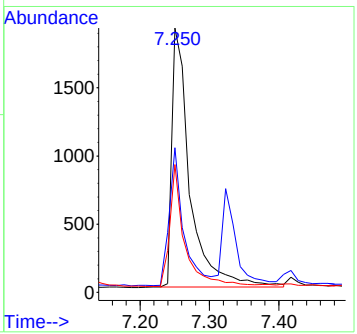


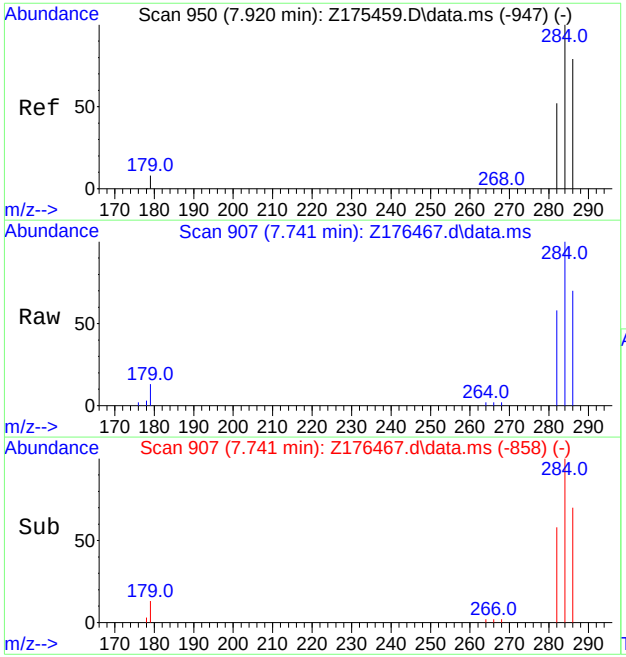


#17
4,6-dinitro-2-methylphenol
Concen: 1183.9077 ppb
RT: 7.250 min Scan# 859
Delta R.T. 0.000 min
Lab File: Z176467.d
Acq: 19 Oct 2025 11:54 am

Tgt Ion:198 Resp: 3461

Ion	Ratio	Lower	Upper
198	100		
105	51.2	31.2	71.2
121	46.8	26.8	66.8

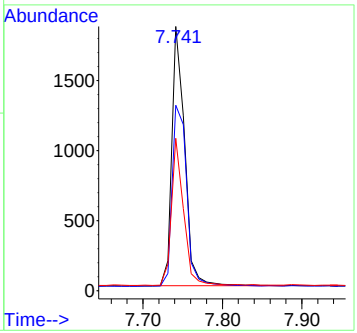


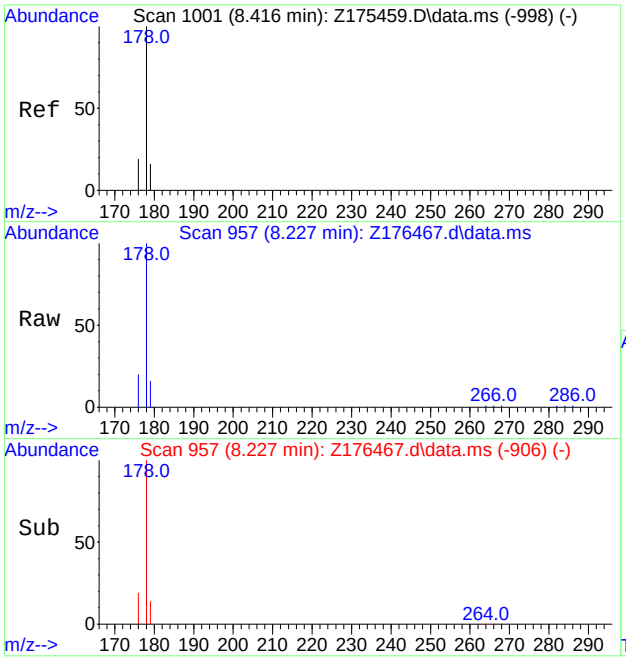


#20
Hexachlorobenzene
Concen: 197.3506 ppb
RT: 7.741 min Scan# 907
Delta R.T. 0.000 min
Lab File: Z176467.d
Acq: 19 Oct 2025 11:54 am

Tgt Ion:284 Resp: 2072

Ion	Ratio	Lower	Upper
284	100		
286	69.7	39.7	99.7
282	56.6	26.6	86.6

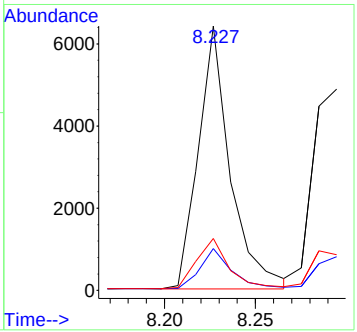


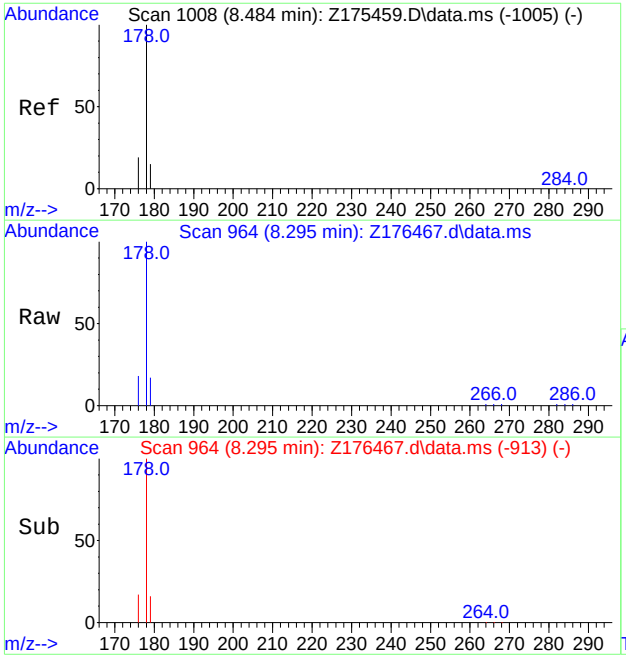


#21
Phenanthrene
Concen: 216.5017 ppb
RT: 8.227 min Scan# 957
Delta R.T. 0.000 min
Lab File: Z176467.d
Acq: 19 Oct 2025 11:54 am

Tgt Ion:178 Resp: 7858

Ion	Ratio	Lower	Upper
178	100		
179	15.2	0.0	45.2
176	19.1	0.0	49.1

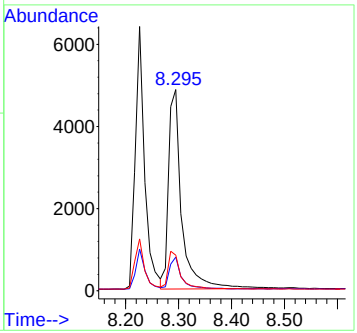


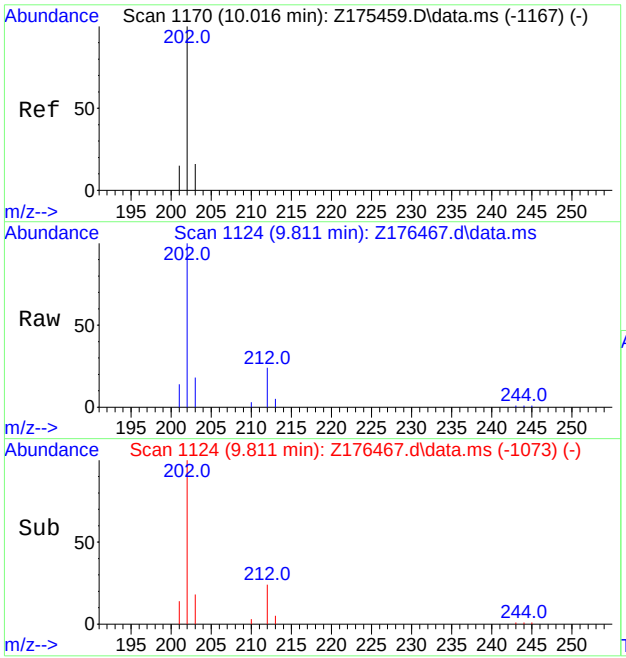


#22
Anthracene
Concen: 183.5520 ppb
RT: 8.295 min Scan# 964
Delta R.T. 0.000 min
Lab File: Z176467.d
Acq: 19 Oct 2025 11:54 am

Tgt Ion:178 Resp: 8471

Ion	Ratio	Lower	Upper
178	100		
179	16.1	0.0	46.1
176	16.9	0.0	46.9

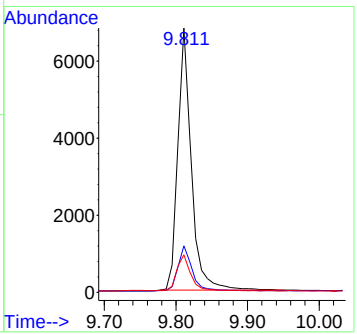


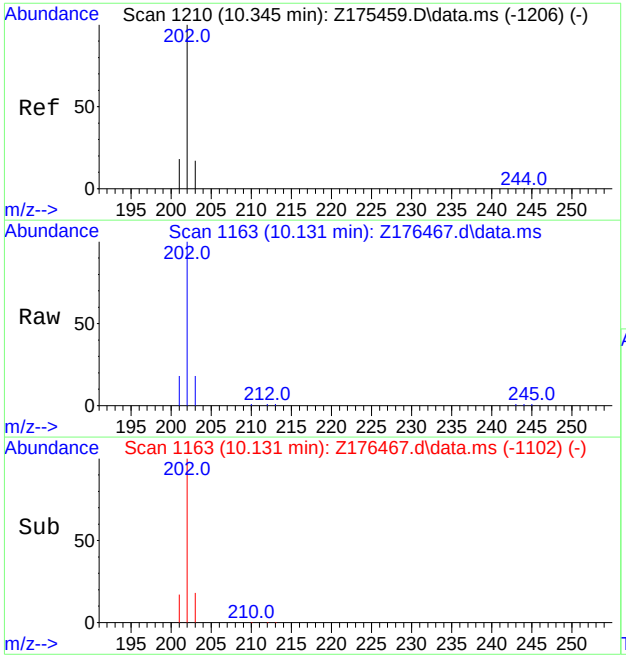


#23
Fluoranthene
Concen: 194.8459 ppb
RT: 9.811 min Scan# 1124
Delta R.T. 0.000 min
Lab File: Z176467.d
Acq: 19 Oct 2025 11:54 am

Tgt Ion:202 Resp: 8932

Ion	Ratio	Lower	Upper
202	100		
203	17.1	0.0	47.1
201	13.7	0.0	43.7

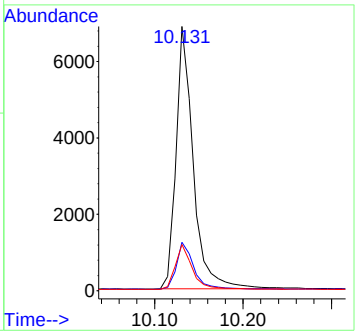


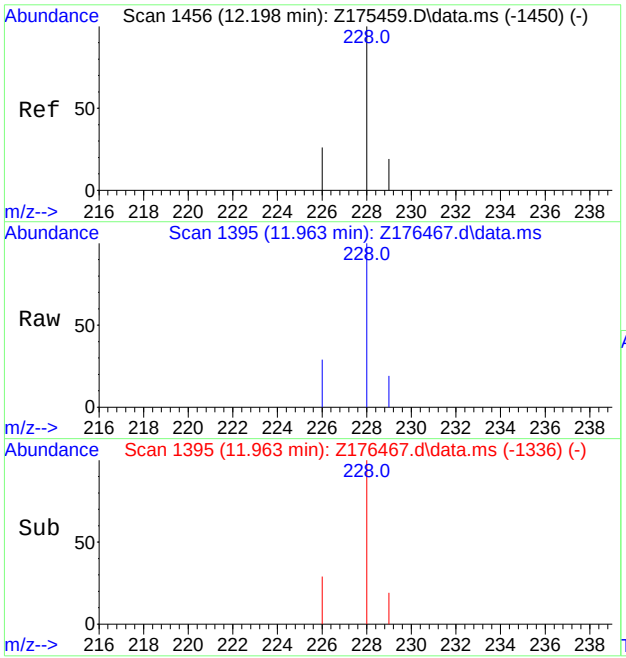


#24
Pyrene
Concen: 197.8758 ppb
RT: 10.131 min Scan# 1163
Delta R.T. 0.000 min
Lab File: Z176467.d
Acq: 19 Oct 2025 11:54 am

Tgt Ion:202 Resp: 9359

Ion	Ratio	Lower	Upper
202	100		
203	17.8	0.0	47.8
201	17.1	0.0	47.1

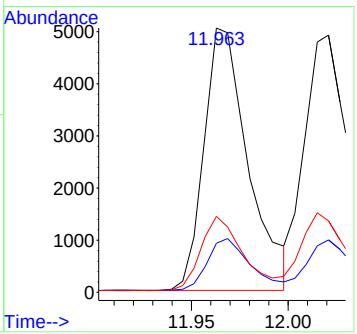


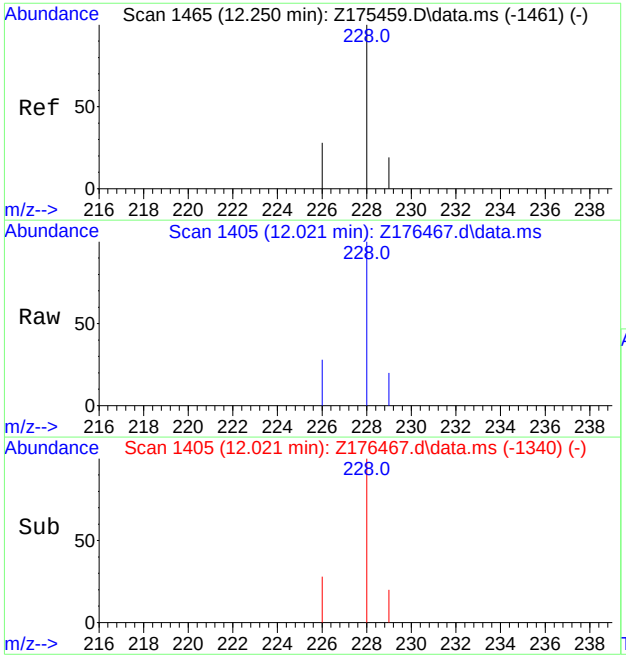


#26
Benzo[a]anthracene
Concen: 257.4496 ppb
RT: 11.963 min Scan# 1395
Delta R.T. 0.000 min
Lab File: Z176467.d
Acq: 19 Oct 2025 11:54 am

Tgt Ion:228 Resp: 8011

Ion	Ratio	Lower	Upper
228	100		
229	17.8	0.0	47.8
226	27.9	0.0	57.9

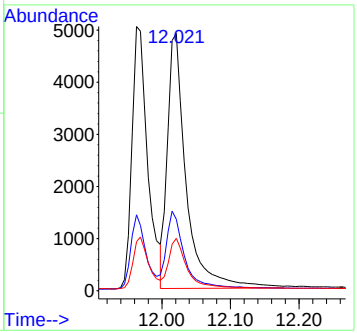


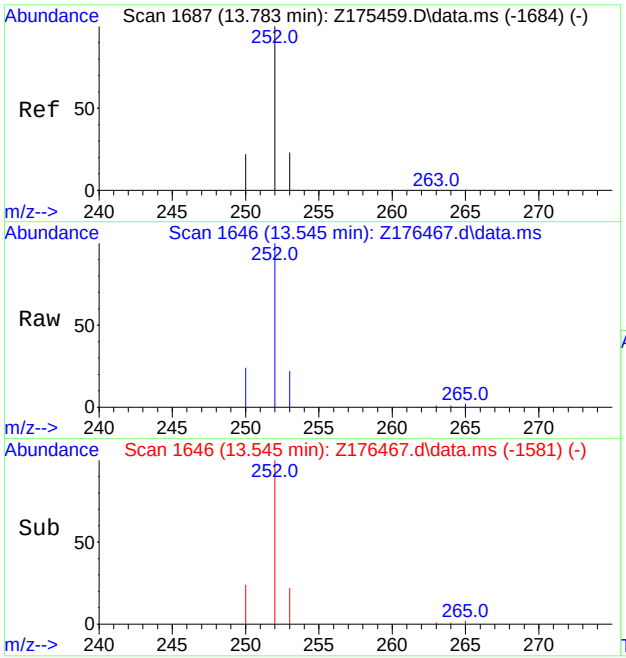


#27
Chrysene
Concen: 192.8087 ppb
RT: 12.021 min Scan# 1405
Delta R.T. 0.000 min
Lab File: Z176467.d
Acq: 19 Oct 2025 11:54 am

Tgt Ion:228 Resp: 9314

Ion	Ratio	Lower	Upper
228	100		
226	26.8	0.0	56.8
229	19.9	0.0	49.9

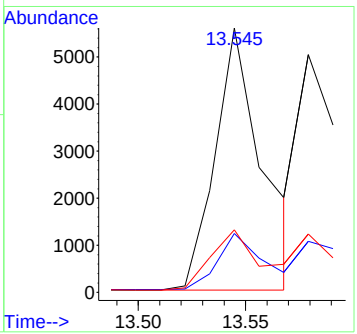


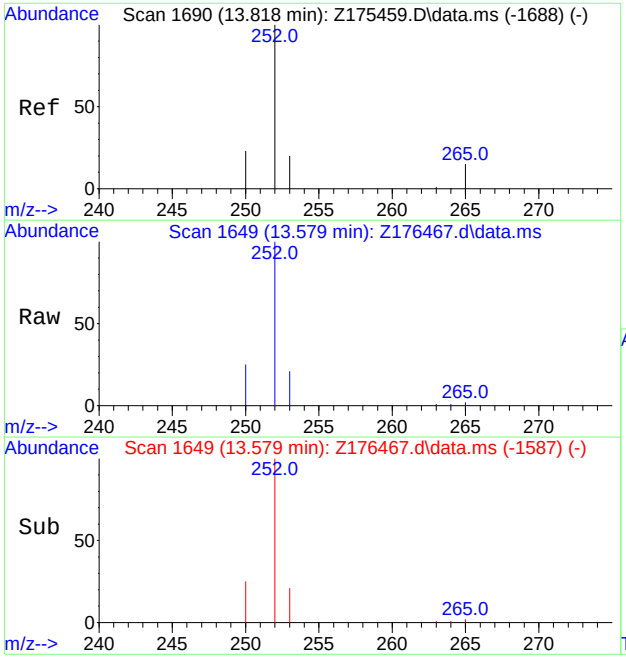


#29
Benzo[b]fluoranthene
Concen: 219.4935 ppb
RT: 13.545 min Scan# 1646
Delta R.T. 0.000 min
Lab File: Z176467.d
Acq: 19 Oct 2025 11:54 am

Tgt Ion:252 Resp: 8535

Ion	Ratio	Lower	Upper
252	100		
253	22.0	0.0	52.0
250	21.9	0.0	51.9

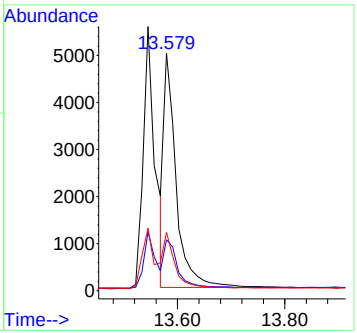


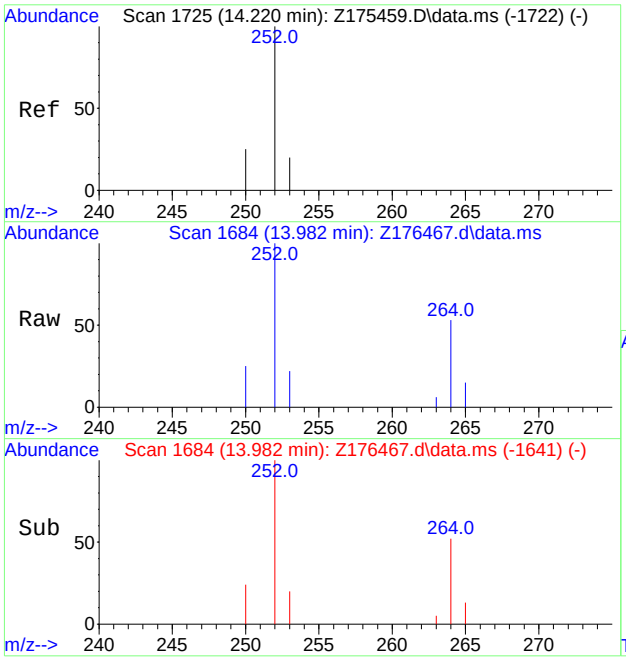


#30
Benzo[k]fluoranthene
Concen: 168.7046 ppb
RT: 13.579 min Scan# 1649
Delta R.T. 0.000 min
Lab File: Z176467.d
Acq: 19 Oct 2025 11:54 am

Tgt Ion:252 Resp: 7952

Ion	Ratio	Lower	Upper
252	100		
253	20.9	0.0	50.9
250	22.8	0.0	52.8

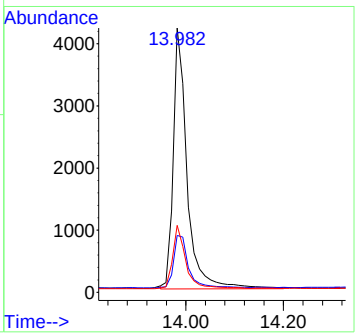


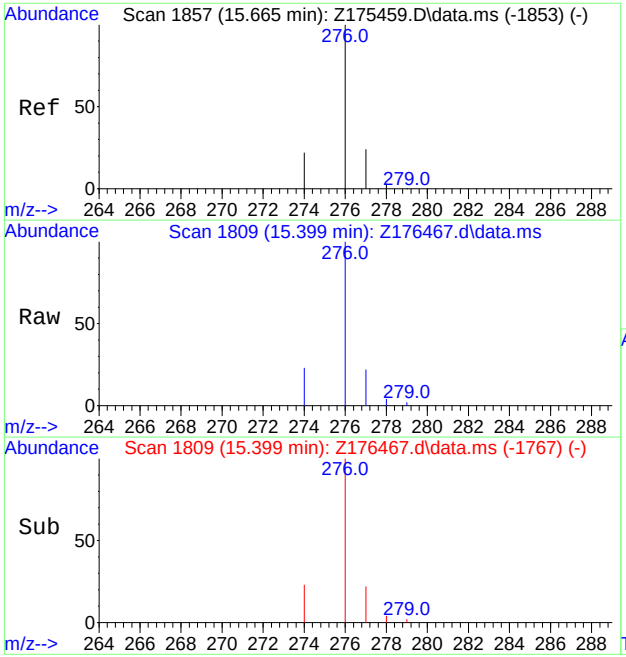


#31
Benzo[a]pyrene
Concen: 199.1796 ppb
RT: 13.982 min Scan# 1684
Delta R.T. 0.000 min
Lab File: Z176467.d
Acq: 19 Oct 2025 11:54 am

Tgt Ion:252 Resp: 8306

Ion	Ratio	Lower	Upper
252	100		
253	20.1	0.0	50.1
250	24.3	0.0	54.3

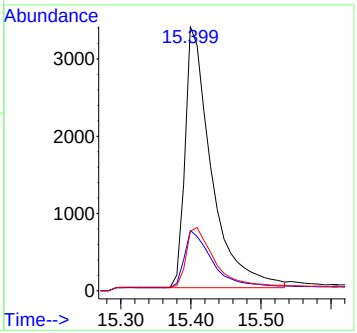


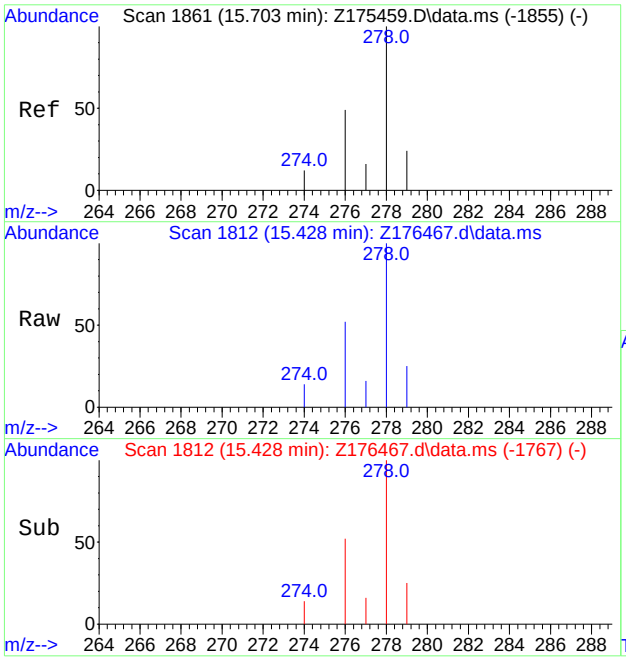


#32
Indeno[1,2,3-cd]pyrene
Concen: 177.4200 ppb m
RT: 15.399 min Scan# 1809
Delta R.T. 0.000 min
Lab File: Z176467.d
Acq: 19 Oct 2025 11:54 am

Tgt Ion:276 Resp: 8835

Ion	Ratio	Lower	Upper
276	100		
274	22.8	0.0	51.8
277	22.5	0.0	51.3

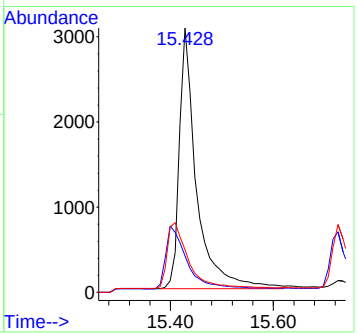


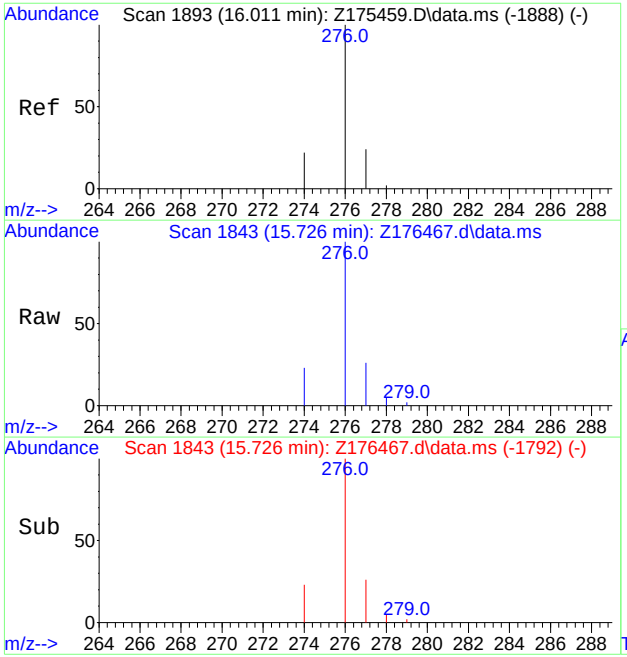


#33
Dibenz[a,h]anthracene
Concen: 179.3300 ppb
RT: 15.428 min Scan# 1812
Delta R.T. 0.000 min
Lab File: Z176467.d
Acq: 19 Oct 2025 11:54 am

Tgt Ion:278 Resp: 7147

Ion	Ratio	Lower	Upper
278	100		
274	11.7	0.0	41.7
277	14.4	0.0	44.4

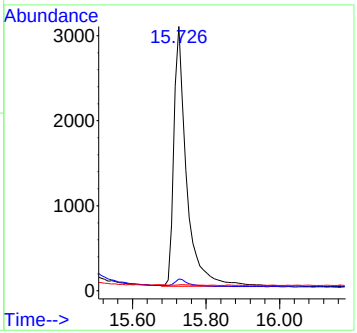




#34
Benzo[g,h,i]perylene
Concen: 176.5254 ppb m
RT: 15.726 min Scan# 1843
Delta R.T. 0.000 min
Lab File: Z176467.d
Acq: 19 Oct 2025 11:54 am

Tgt Ion:276 Resp: 7347

Ion	Ratio	Lower	Upper
276	100		
278	4.5	0.0	32.8
279	2.3	0.0	30.1



Manual Integration Approval Summary

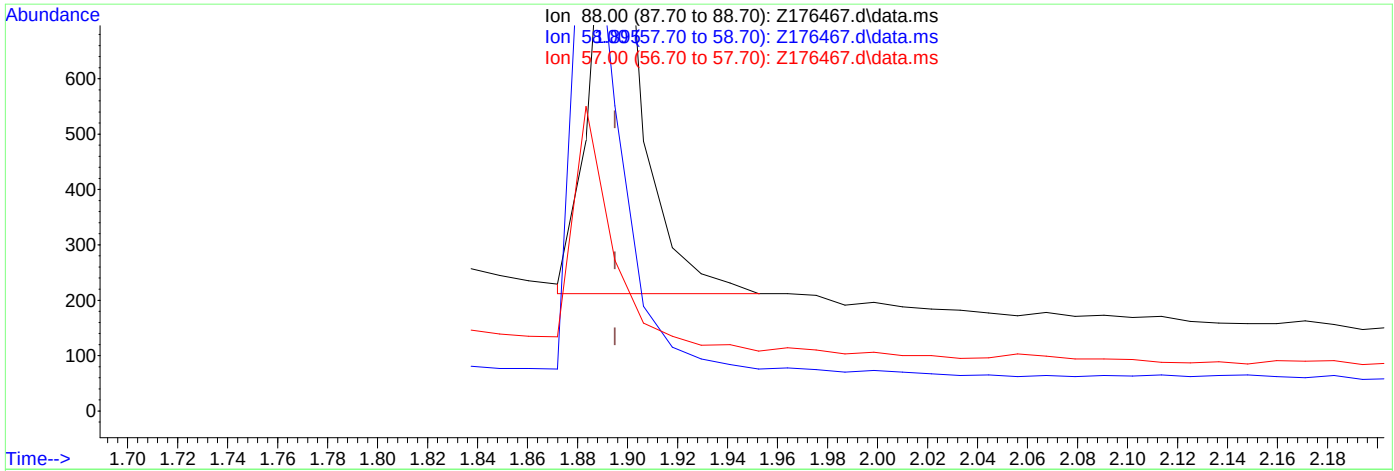
Sample Number: EZ8690-CC8654
Lab FileID: Z176467.D
Injection Time: 10/19/25 11:54
Method: SW846 8270E BY SIM
Analyst approved: 10/19/25 22:48 Alodia Hana Barrogo
Supervisor approved: 10/20/25 08:08 Jezreel Oblin

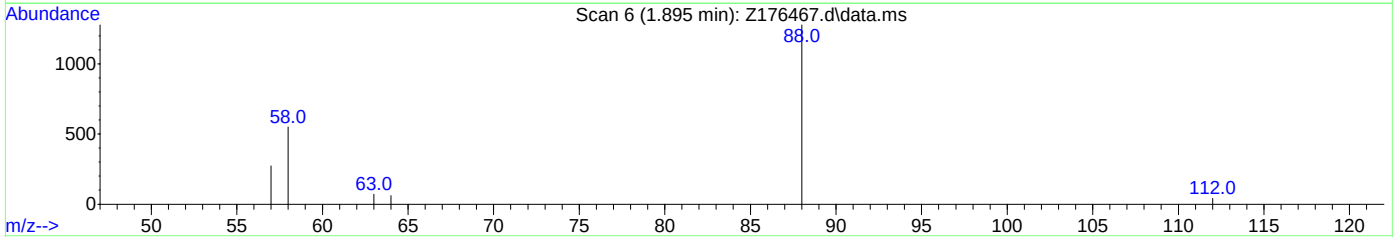
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,4-Dioxane	123-91-1		1.89	Poor instrument integration
Indeno(1,2,3-cd)pyrene	193-39-5		15.40	Poor instrument integration
Benzo(g,h,i)perylene	191-24-2		15.73	Poor instrument integration

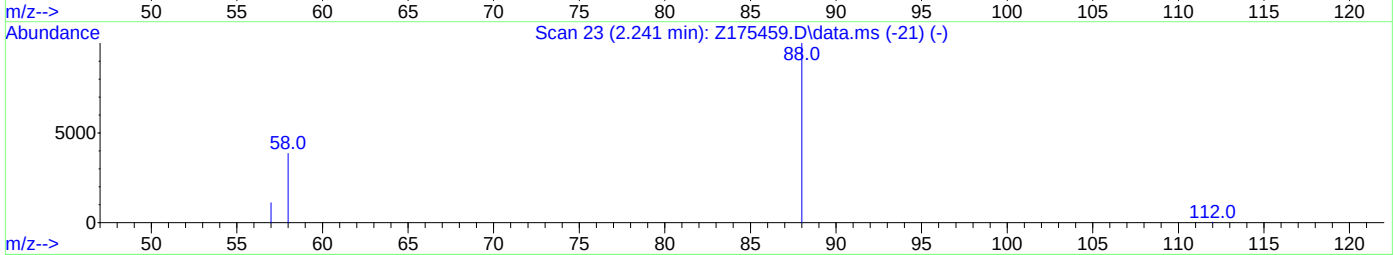
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\alodiab\EZ8690\
Data File : Z176467.d
Acq On : 19 Oct 2025 11:54 am
Operator : thomasl
Sample : cc8654-0.2 Inst : GCMSZ
Misc : op68255a,ez8690,250,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 20 02:29:06 2025
Quant Method : X:\Dayton SVOA GCMS\alodiab\Methods\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 02:28:59 2025
Response via : Initial Calibration







TIC: Z176467.d\data.ms

(2) 1,4-Dioxane (t)

1.895min (0.000) 237.63ppb

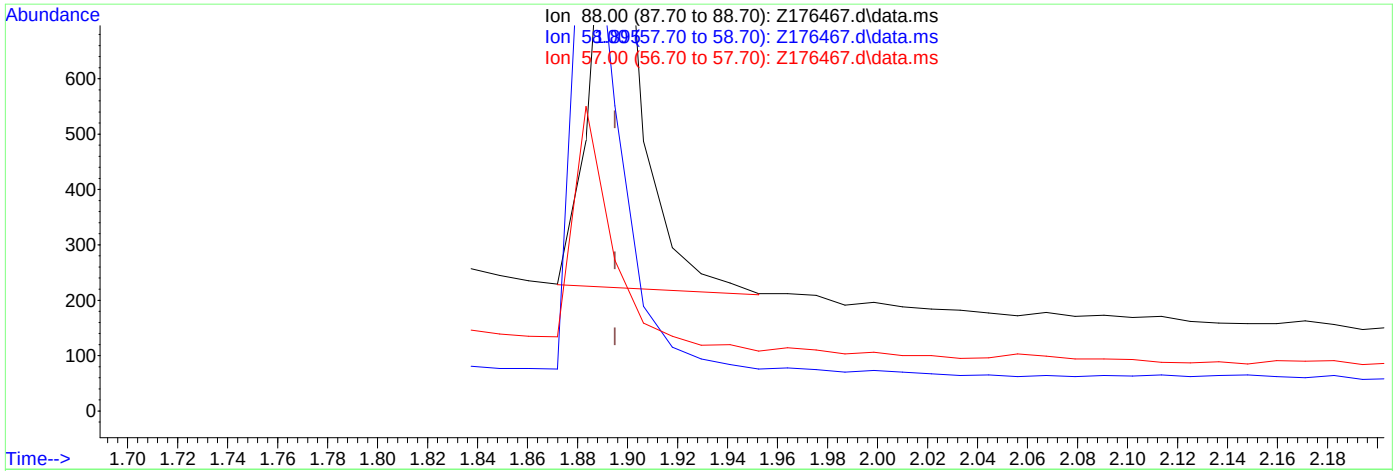
response 1212

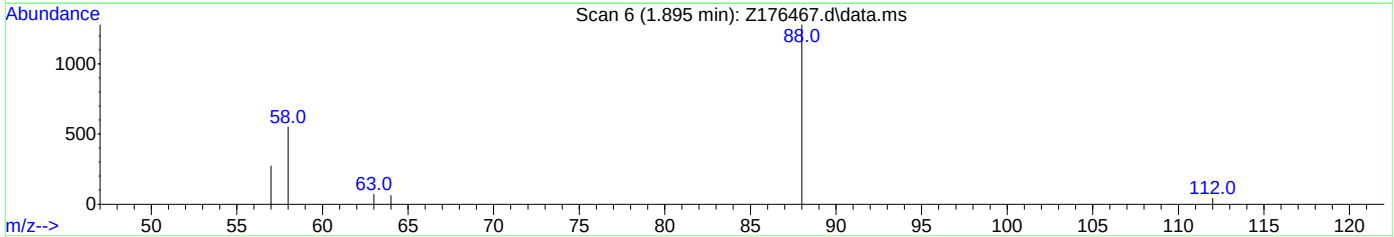
Ion	Exp%	Act%
88.00	100	100
58.00	43.10	44.92
57.00	21.30	14.28
0.00	0.00	0.00

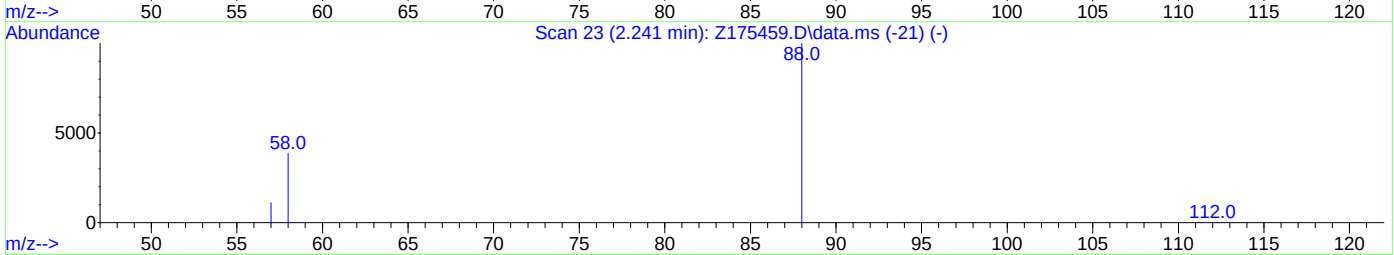
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\alodiab\EZ8690\
Data File : Z176467.d
Acq On : 19 Oct 2025 11:54 am
Operator : thomasl
Sample : cc8654-0.2 Inst : GCMSZ
Misc : op68255a,ez8690,250,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 20 02:29:06 2025
Quant Method : X:\Dayton SVOA GCMS\alodiab\Methods\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 02:28:59 2025
Response via : Initial Calibration







TIC: Z176467.d\data.ms

(2) 1,4-Dioxane (t)

1.895min (0.000) 230.96ppb m

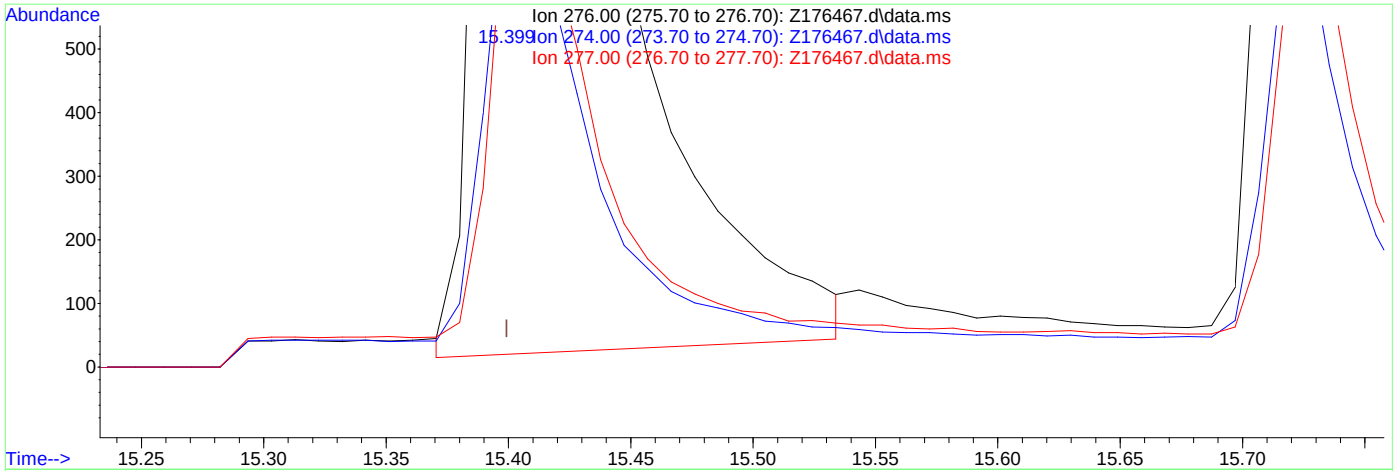
response 1178

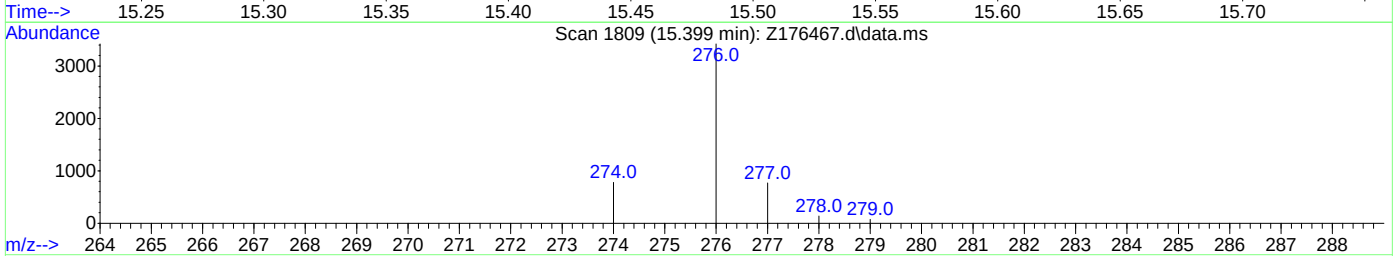
Ion	Exp%	Act%
88.00	100	100
58.00	43.10	43.11
57.00	21.30	21.28
0.00	0.00	0.00

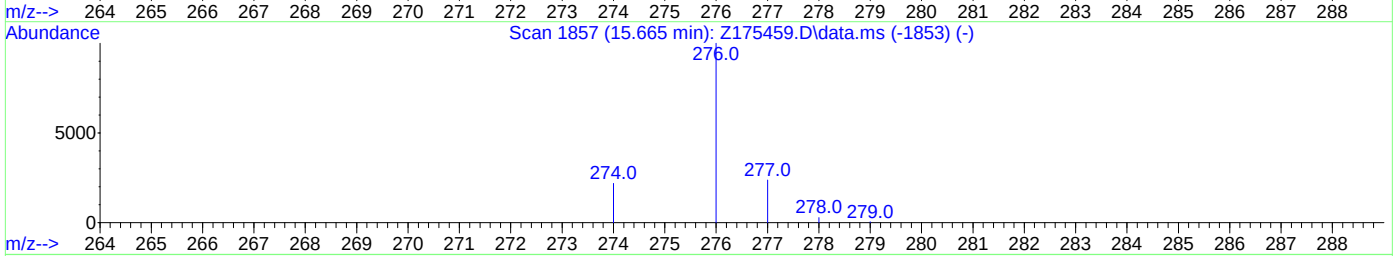
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\alodiab\EZ8690\
Data File : Z176467.d
Acq On : 19 Oct 2025 11:54 am
Operator : thomasl
Sample : cc8654-0.2 Inst : GCMSZ
Misc : op68255a,ez8690,250,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 20 02:29:06 2025
Quant Method : X:\Dayton SVOA GCMS\alodiab\Methods\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 02:28:59 2025
Response via : Initial Calibration







TIC: Z176467.d\data.ms

(32) Indeno[1,2,3-cd]pyrene (t)

15.399min (0.000) 179.63ppb

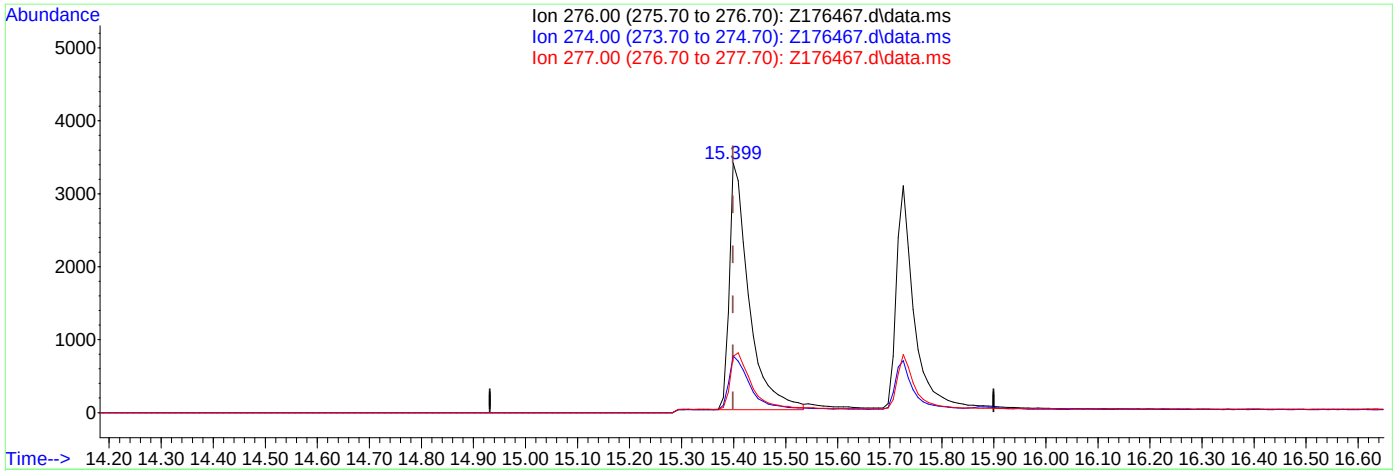
response 8945

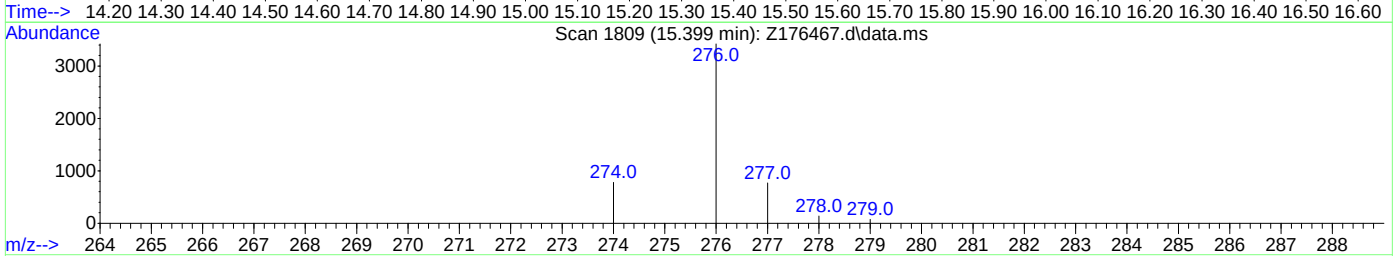
Ion	Exp%	Act%
276.00	100	100
274.00	21.80	21.76
277.00	21.30	21.27
0.00	0.00	0.00

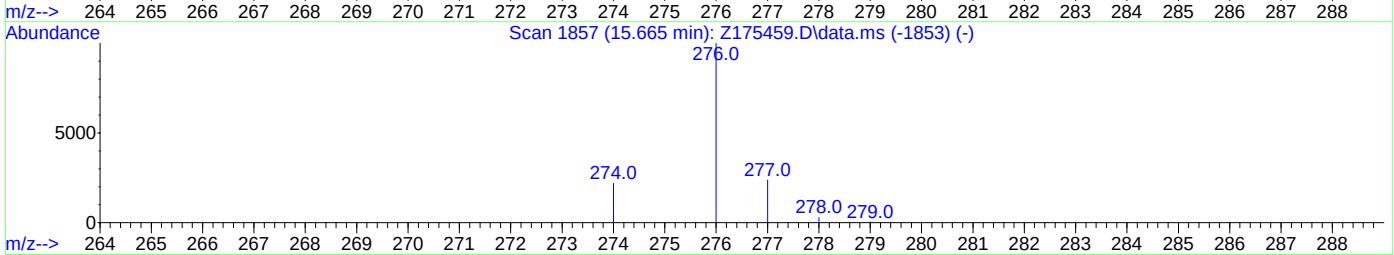
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\alodiab\EZ8690\
Data File : Z176467.d
Acq On : 19 Oct 2025 11:54 am
Operator : thomasl
Sample : cc8654-0.2 Inst : GCMSZ
Misc : op68255a,ez8690,250,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 20 02:29:06 2025
Quant Method : X:\Dayton SVOA GCMS\alodiab\Methods\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 02:28:59 2025
Response via : Initial Calibration







TIC: Z176467.d\data.ms

(32) Indeno[1,2,3-cd]pyrene (t)

15.399min (0.000) 177.42ppb m

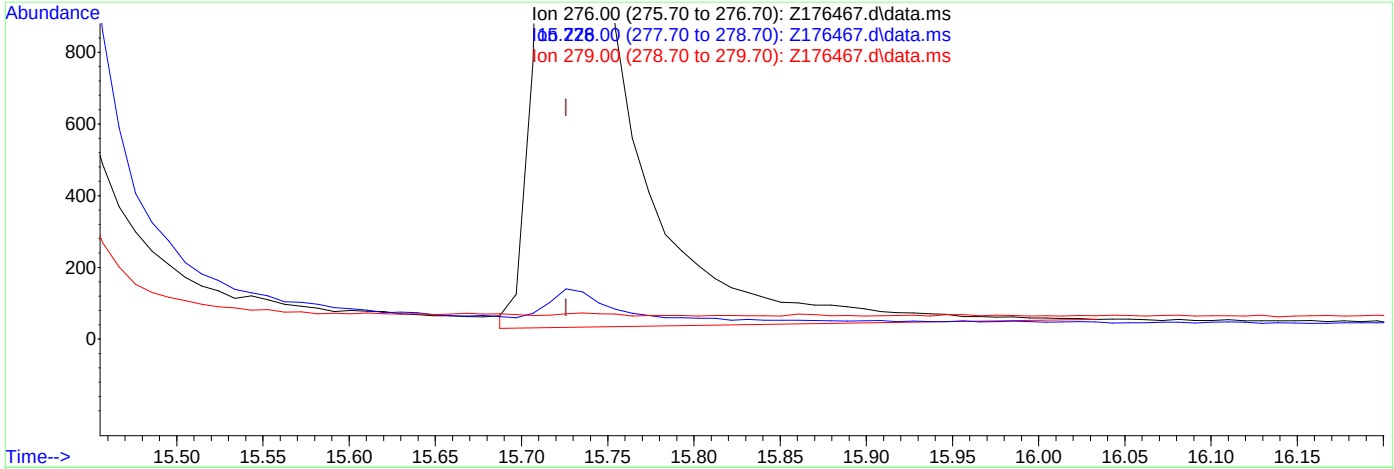
response 8835

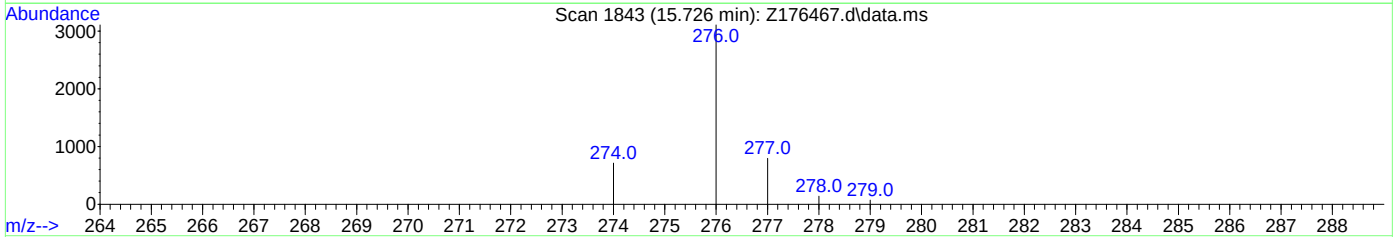
Ion	Exp%	Act%
276.00	100	100
274.00	21.80	22.76
277.00	21.30	22.47
0.00	0.00	0.00

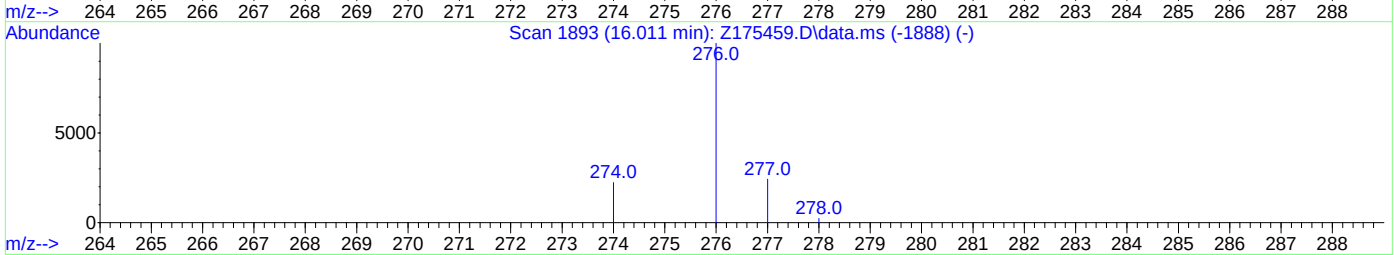
Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\alodiab\EZ8690\
Data File : Z176467.d
Acq On : 19 Oct 2025 11:54 am
Operator : thomasl
Sample : cc8654-0.2 Inst : GCMSZ
Misc : op68255a,ez8690,250,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 20 02:29:06 2025
Quant Method : X:\Dayton SVOA GCMS\alodiab\Methods\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 02:28:59 2025
Response via : Initial Calibration







TIC: Z176467.d\data.ms

(34) Benzo[g,h,i]perylene (t)

15.726min (0.000) 182.17ppb

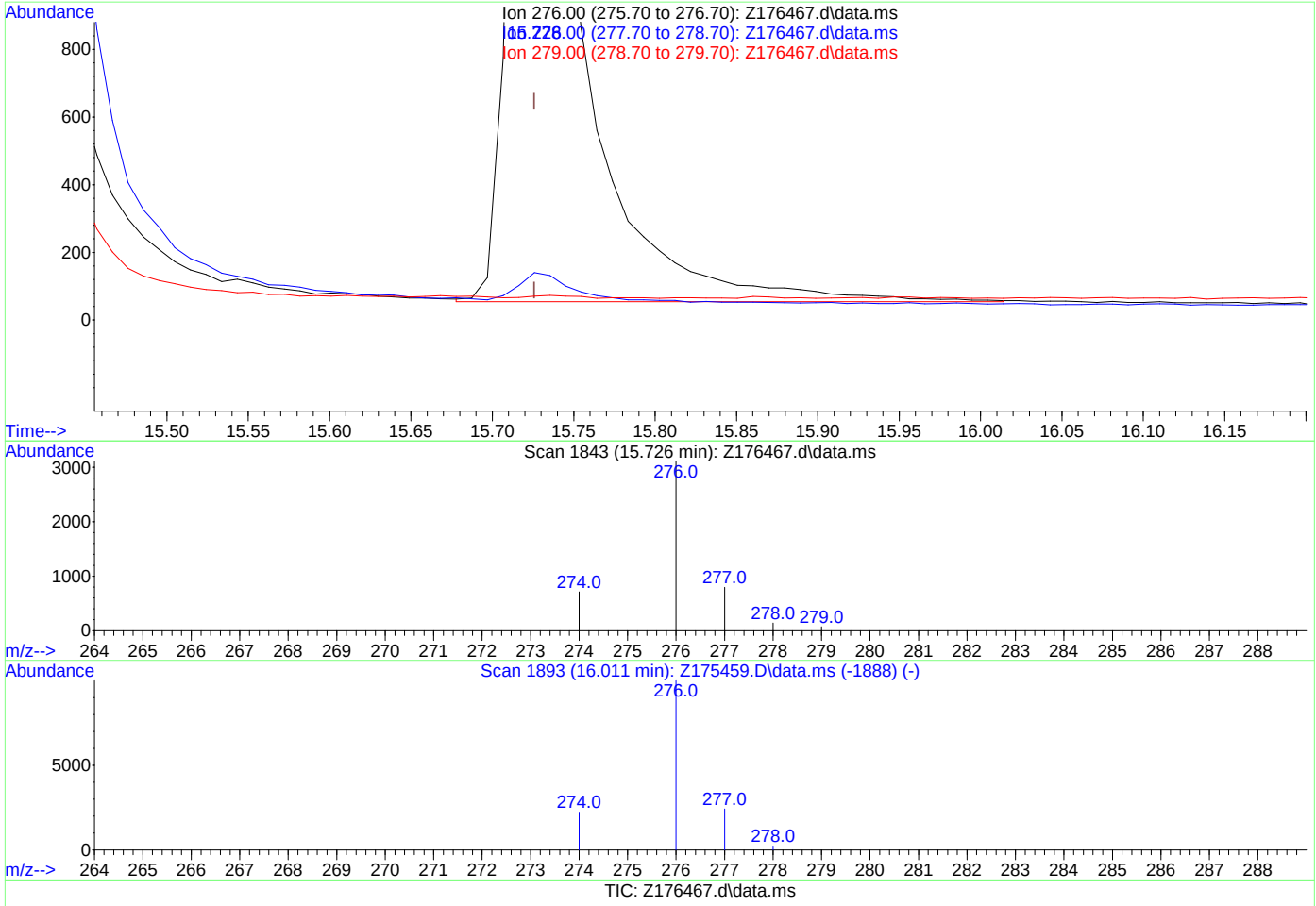
response 7582

Ion	Exp%	Act%
276.00	100	100
278.00	2.80	2.77
279.00	0.10	0.10
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\alodiab\EZ8690\
Data File : Z176467.d
Acq On : 19 Oct 2025 11:54 am
Operator : thomasl
Sample : cc8654-0.2 Inst : GCMSZ
Misc : op68255a,ez8690,250,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 20 02:29:06 2025
Quant Method : X:\Dayton SVOA GCMS\alodiab\Methods\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 02:28:59 2025
Response via : Initial Calibration



TIC: Z176467.d\data.ms

(34) Benzo[g,h,i]perylene (t)

15.726min (0.000) 176.53ppb m

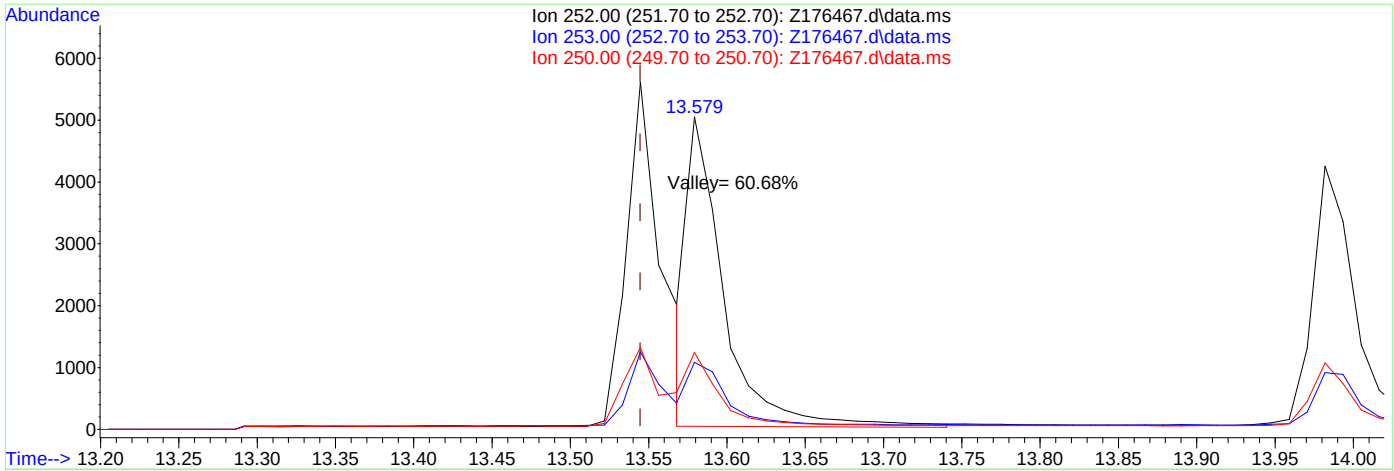
response 7347

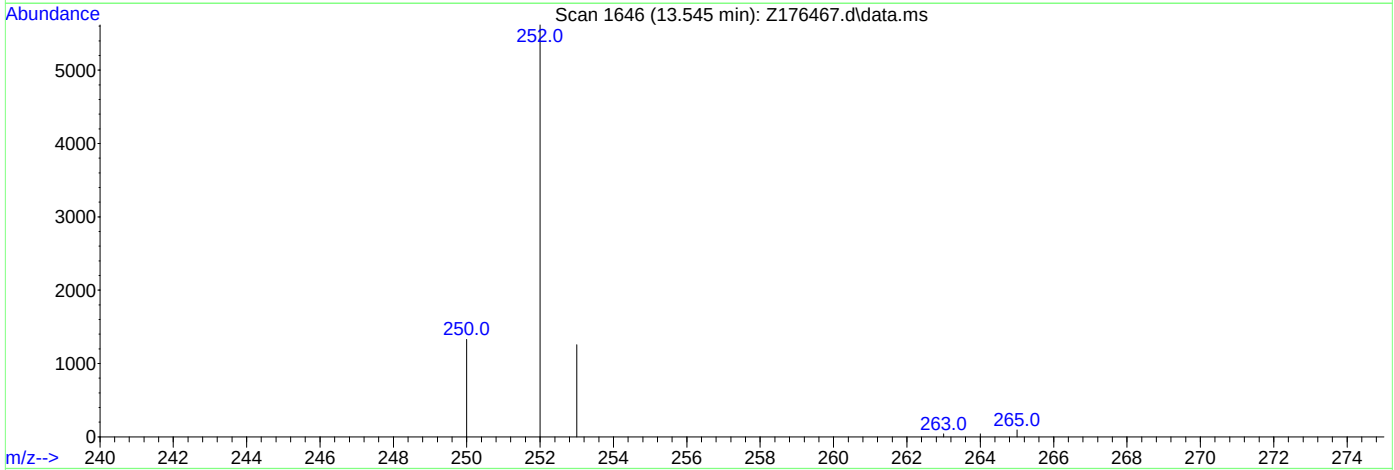
Ion	Exp%	Act%
276.00	100	100
278.00	2.80	4.50
279.00	0.10	2.28
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GCMS\alodiab\EZ8690\
Data File : Z176467.d
Acq On : 19 Oct 2025 11:54 am
Operator : thomasl
Sample : cc8654-0.2 Inst : GCMSZ
Misc : op68255a,ez8690,250,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 20 02:30:34 2025
Quant Method : X:\Dayton SVOA GCMS\alodiab\Methods\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 02:28:59 2025
Response via : Initial Calibration





TIC: Z176467.d\data.ms

(29) Benzo[b]fluoranthene (t)

13.545min (0.000) 219.49ppb

response 8535

Ion	Exp%	Act%
252.00	100	100
253.00	22.00	22.02
250.00	21.90	21.89
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\alodiab\EZ8690\
Data File : Z176468.d
Acq On : 19 Oct 2025 12:19 pm
Operator : thomasl
Sample : cc8654-0.2 Inst : GCMSZ
Misc : op68255a,ez8690,250,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 20 02:31:56 2025
Quant Method : X:\Dayton SVOA GCMS\alodiab\Methods\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 02:31:17 2025
Response via : Initial Calibration

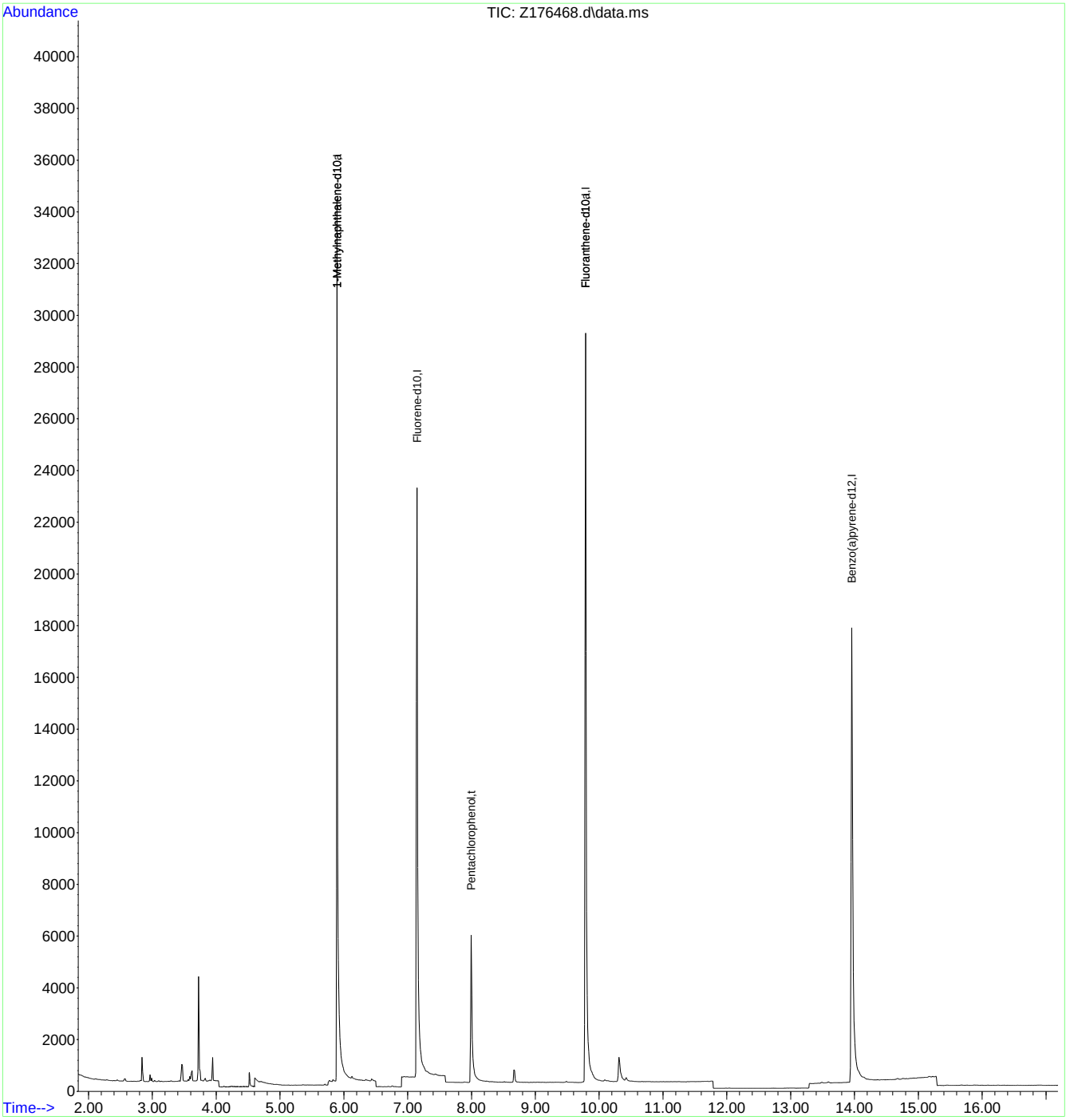
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1-Methylnaphthalene-d10	5.891	150	14396	800.00	ppb	0.00
12) Fluorene-d10	7.146	176	18842	800.00	ppb	0.00
19) Fluoranthene-d10	9.786	212	33107	800.00	ppb	0.00
28) Benzo(a)pyrene-d12	13.959	264	26453	800.00	ppb	0.00
35) 1-Methylnaphthalene-d10a	5.891	150	14396	800.00	ppb	0.00
37) Fluoranthene-d10a	9.786	212	33107	800.00	ppb	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	0.000	112	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
4) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
6) Nitrobenzene-d5	0.000	82	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
13) 2-Fluorobiphenyl	0.000	172	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
18) 2,4,6-Tribromophenol	0.000	330	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
25) Terphenyl-d14	0.000	244	0d	0.00	ppb	
Spiked Amount 10000.000			Recovery =	0.00%		
Target Compounds						Qvalue
38) Pentachlorophenol	7.994	266	4168	939.2614	ppb	98

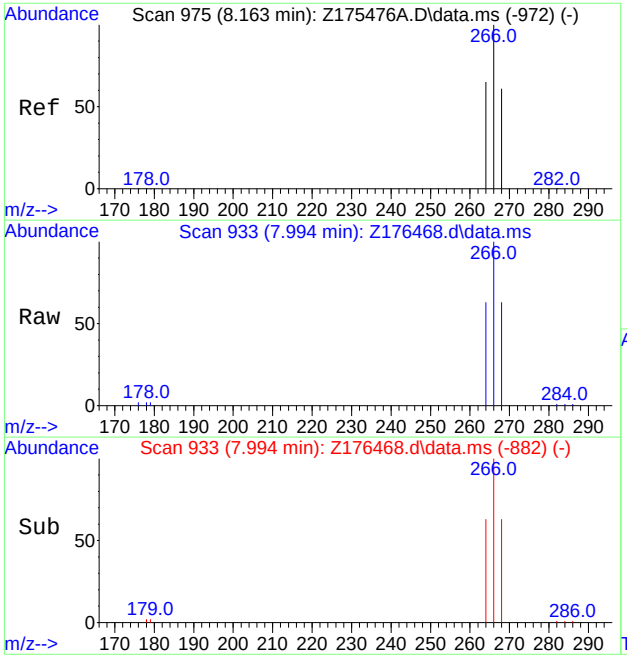
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GCMS\alodiab\EZ8690\
Data File : Z176468.d
Acq On : 19 Oct 2025 12:19 pm
Operator : thomasl
Sample : cc8654-0.2 Inst : GCMSZ
Misc : op68255a,ez8690,250,,,1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 20 02:31:56 2025
Quant Method : X:\Dayton SVOA GCMS\alodiab\Methods\MZ8654SIMLVI.M
Quant Title : Semi Volatiles GC/MS: ZB-5MSplus 30m x 0.25mm x 0.25um
QLast Update : Mon Oct 20 02:31:17 2025
Response via : Initial Calibration

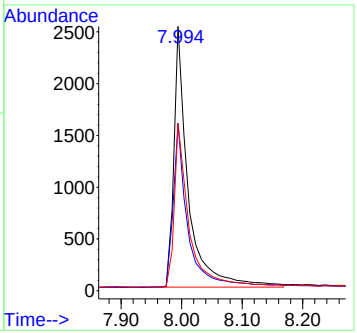




#38
Pentachlorophenol
Concen: 939.2614 ppb
RT: 7.994 min Scan# 933
Delta R.T. 0.000 min
Lab File: Z176468.d
Acq: 19 Oct 2025 12:19 pm

Tgt Ion:266 Resp: 4168

Ion	Ratio	Lower	Upper
266	100		
264	63.2	43.0	83.0
268	65.2	41.9	81.9



SEMIVOLATILE by GCMS ANALYSIS LOG

Date: 9/18/2025

Standard data

Lot#	Description	concentration
SV25-208A	simlvi	2 ppm
SV25-208B	simlvi	1 ppm
SV25-208C	simlvi	0.04 ppm
SV25-208D	simlvi	0.02 ppm
SV25-208E	simlvi	0.01 ppm
SV25-208F	simlvi	0.004 ppm
SV25-208G	simlvi	0.002 ppm
SV25-208H	simlvi	0.5 ppm
SV25-208I	simlvi	0.2 ppm
SV25-208J	simlvi	0.1 ppm
sv25-167	svoc1	0.2ppm
sc25-166	svoc2	1ppm
sv25-141	int std	400ppm
250510	dcm-fisher	
Lot#	Description	concentration

Batch ID:E2m6496

Print Analyst Name:
rocquans

Analyst Signature:
RS

Columns:
DB-UI 8270D 30mx0.25mmx0.25um

Method:
8270e

Initial Cal. Method:
M2M6462SIMLVI

Injection vol: 5.0 µl

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Method	File ID	OP Batch, Run ID, Vi,,,Vf, Dil.	Test Code	IS	SURR	Status	Comments
1	dftpp	DFTPP2M	2M143443	op67209a,E2M6496,250,,,1,1					
1	dftpp	DFTPP2M	2M143444	op67209a,E2M6496,250,,,1,1					ok 1:54pm
2	ic6496-0.002	M2M6496SIMLVI	2M143445	op67209a,E2M6496,250,,,1,1					not use 2MNAP out of window
3	ic6496-0.004	M2M6496SIMLVI	2M143446	op67209a,E2M6496,250,,,1,1					not use 2MNAP out of window
4	ic6496-0.01	M2M6496SIMLVI	2M143447	op67209a,E2M6496,250,,,1,1					not use 2MNAP out of window
5	ic6496-0.02	M2M6496SIMLVI	2M143448	op67209a,E2M6496,250,,,1,1					not use 2MNAP out of window
6	ic6496-0.04	M2M6496SIMLVI	2M143449	op67209a,E2M6496,250,,,1,1					not use 2MNAP out of window
7	ic6496-0.1	M2M6496SIMLVI	2M143450	op67209a,E2M6496,250,,,1,1					not use 2MNAP out of window
8	icc6496-0.2	M2M6496SIMLVI	2M143451	op67209a,E2M6496,250,,,1,1					not use 2MNAP out of window
9	ic6496-0.5	M2M6496SIMLVI	2M143452	op67209a,E2M6496,250,,,1,1					not use 2MNAP out of window
10	ic6496-1	M2M6496SIMLVI	2M143453	op67209a,E2M6496,250,,,1,1					run stopped/ sequence restarted
2	ic6496-0.002	M2M6496SIMLVI	2M143454	op67209a,E2M6496,250,,,1,1					ok
3	ic6496-0.004	M2M6496SIMLVI	2M143455	op67209a,E2M6496,250,,,1,1					ok
4	ic6496-0.01	M2M6496SIMLVI	2M143456	op67209a,E2M6496,250,,,1,1					ok
5	ic6496-0.02	M2M6496SIMLVI	2M143457	op67209a,E2M6496,250,,,1,1					ok
6	ic6496-0.04	M2M6496SIMLVI	2M143458	op67209a,E2M6496,250,,,1,1					ok
7	ic6496-0.1	M2M6496SIMLVI	2M143459	op67209a,E2M6496,250,,,1,1					ok
8	icc6496-0.2	M2M6496SIMLVI	2M143460	op67209a,E2M6496,250,,,1,1					ok
9	ic6496-0.5	M2M6496SIMLVI	2M143461	op67209a,E2M6496,250,,,1,1					ok
10	ic6496-1	M2M6496SIMLVI	2M143462	op67209a,E2M6496,250,,,1,1					ok
11	ic6496-2	M2M6496SIMLVI	2M143463	op67209a,E2M6496,250,,,1,1					ok
12	icv6496-0.2	M2M6496SIMLVI	2M143464	op67209a,E2M6496,250,,,1,1					ok
13	icv6496-1	M2M6496SIMLVI	2M143465	op67209a,E2M6496,250,,,1,1					ok pcp double spiked 8:40pm

SGS

SEMIVOLATILE by GCMS ANALYSIS LOG

Date: 10/18/2025

Standard data

Lot#	Description	concentration
SV25-145D	simlvi	0.2 ppm
SV25-202	DFTPP	50 ppm
sv25-141	int std	400ppm
250510	dcm-fisher	
Lot#	**Description**	**concentration**

Batch ID:E2m6525

Print Analyst Name:
rocquans

Analyst Signature:
RS

Columns:
DB-UI 8270D 30mx0.25mmx0.25um

Method:
8270e

Initial Cal. Method:
M2M6496SIMLVI

Injection vol: 5.0 µl

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Method	File ID	OP Batch, Run ID, Vi,,,Vf, Dil.	Test Code	IS	SURR	Status	Comments
1	dcm	M2M6496SIMLVI	2M144230	op68078a,E2M6525,250,,,1,1					
2	dftpp	DFTPP2M	2M144231	op68078a,E2M6525,250,,,1,1					
3	cc6496-0.2	M2M6496SIMLVI	2M144232	op68078a,E2M6525,250,,,1,1					areas low/ raise em
2	dftpp	DFTPP2M	2M144233	op68078a,E2M6525,250,,,1,1					
3	cc6496-0.2	M2M6496SIMLVI	2M144234	op68078a,E2M6525,250,,,1,1					area fail/change vial
1	dcm	M2M6496SIMLVI	2M144235	op68078a,E2M6525,250,,,1,1					
3	cc6496-0.2	M2M6496SIMLVI	2M144236	op68078a,E2M6525,250,,,1,1					many failing compounds/ change liner
2	dftpp	DFTPP2M	2M144237	op68078a,E2M6525,250,,,1,1				ok	11:37 AM
3	cc6496-0.2	M2M6496SIMLVI	2M144238	op68078a,E2M6525,250,,,1,1				ok	
4	cc6496-0.02	M2M6496SIMLVI	2M144239	op68078a,E2M6525,250,,,1,1				ok	
1	dcm	M2M6496SIMLVI	2M144240	op68078a,E2M6525,250,,,1,1				ok	
5	op68287c-mb1	M2M6496SIMLVI	2M144241	op68287c,E2M6525,250,,,1,1		y	y	ok	
6	op68287c-bs12	M2M6496SIMLVI	2M144242	op68287c,E2M6525,250,,,1,1		y	y	ok	
7	op68287c-bsd12	M2M6496SIMLVI	2M144243	op68287c,E2M6525,250,,,1,1		y	y	ok	
17	op68166a-mb1	M2M6496SIMLVI	2M144244	op68166a,E2M6525,250,,,1,1		y	y	ok	
18	op68166a-bs12	M2M6496SIMLVI	2M144245	op68166a,E2M6525,250,,,1,1		y	y	ok	
19	op68166a-bsd12	M2M6496SIMLVI	2M144246	op68166a,E2M6525,250,,,1,1		y	y	ok	
8	je21328-1	M2M6496SIMLVI	2M144247	op68287c,E2M6525,250,,,1,1		y	y	ok	
9	je21328-2	M2M6496SIMLVI	2M144248	op68287c,E2M6525,250,,,1,1		y	y	ok	
10	je21328-3	M2M6496SIMLVI	2M144249	op68287c,E2M6525,250,,,1,1		y	y	ok	
11	je21328-4	M2M6496SIMLVI	2M144250	op68287c,E2M6525,250,,,1,1		y	y	ok	
12	je21328-5	M2M6496SIMLVI	2M144251	op68287c,E2M6525,250,,,1,1		y	y	ok	
13	je21328-6	M2M6496SIMLVI	2M144252	op68287c,E2M6525,250,,,1,1		4H	y	ok/rr	IS 4 high
14	je21328-7	M2M6496SIMLVI	2M144253	op68287c,E2M6525,250,,,1,1		y	y	ok	

SEMIVOLATILE by GCMS ANALYSIS LOG

Date: 10/18/2025

Standard data

Lot#	Description	concentration
SV25-145D	simlvi	0.2 ppm
SV25-202	DFTPP	50 ppm
sv25-141	int std	400ppm
250510	dcm-fisher	
Lot#	Description	concentration

Batch ID:E2m6525

Print Analyst Name:
rocquans

Analyst Signature:
RS
Columns:
DB-UI 8270D 30mx0.25mmx0.25um
Method:
8270e
Initial Cal. Method:
M2M6496SIMLVI
Injection vol: 5.0 µl

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Method	File ID	OP Batch, Run ID, Vi,,,Vf, Dil.	Test Code	IS	SURR	Status	Comments
15	je21328-8	M2M6496SIMLVI	2M144254	op68287c,E2M6525,250,,,1,1		y	y	ok	
16	je21328-9	M2M6496SIMLVI	2M144255	op68287c,E2M6525,250,,,1,1		y	y	ok	
20	je20979-1	M2M6496SIMLVI	2M144256	op68139a,E2M6525,250,,,1,1		4H	y	ok/rr	IS 4 high
21	je20979-2	M2M6496SIMLVI	2M144257	op68139a,E2M6525,250,,,1,1		y	y	ok	
22	je20979-3	M2M6496SIMLVI	2M144258	op68139a,E2M6525,250,,,1,1		y	y	ok	
23	je20979-4	M2M6496SIMLVI	2M144259	op68139a,E2M6525,250,,,1,1		y	y	ok	
24	je20979-6	M2M6496SIMLVI	2M144260	op68139a,E2M6525,250,,,1,1		y	y	ok	
25	je20904-5	M2M6496SIMLVI	2M144261	op68166a,E2M6525,250,,,1,1		4H	y	ok/rr	IS 4 high
26	je21034-3	M2M6496SIMLVI	2M144262	op68166a,E2M6525,250,,,1,1		y	y	ok	
27	je21034-4	M2M6496SIMLVI	2M144263	op68166a,E2M6525,250,,,1,1				ok/rr	rr/bad injection
28	je21034-5	M2M6496SIMLVI	2M144264	op68166a,E2M6525,250,,,1,1		y	y	ok	
29	je21034-7	M2M6496SIMLVI	2M144265	op68166a,E2M6525,250,,,1,1		y	y	ok	
30	je21034-8	M2M6496SIMLVI	2M144266	op68166a,E2M6525,250,,,1,1		y	y	ok	
31	je20979-5	M2M6496SIMLVI	2M144267	op68139a,E2M6525,250,,,1,1		4H	y	ok/rr	IS 4 high/10:20 PM

SGS

SEMIVOLATILE by GCMS ANALYSIS LOG

Date: 9/17/2025

Standard data

Lot#	Description	concentration
sv25-145b	sim lvi	1ppm
sv25-145c	sim lvi	0.5ppm
sv25-145d	sim lvi	0.2ppm
sv25-145e	sim lvi	0.1ppm
sv25-145f	sim lvi	0.04ppm
sv25-145g	sim lvi	0.02ppm
sv25-145h	sim lvi	0.01ppm
sv25-145i	sim lvi	0.004ppm
sv25-145j	sim lvi	0.002ppm
sv25-145a	sim lvi	2ppm
sv25-167	svoc1	0.2ppm
sc25-166	svoc2	1ppm
Lot#	Description	concentration

Batch ID:ECS446

Print Analyst Name:
rocquans
Analyst Signature:
RS

Columns: ZB5MS Plus 30mx0.25mmx0.25um

Method: 8270e

Initial Cal. Method: MCS436SIM.M

Injection vol. - 1.0 µl

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Method	File ID	OP Batch, Run ID, Vi,,,Vf, Dil.	Test Code	IS	SURR	Status	Comments
41	sim lvi test	mcs446SIMLVI.M	cs8564	op66906a,ecs445,1000,,,1,20					
41	sim lvi test	mcs446SIMLVI.M	cs8565	op66906a,ecs445,1000,,,1,20					
41	dftpp	dftppcs.m	cs8566	op67159a,ecs446,250,,,1,1					
41	dftpp	dftppcs.m	cs8567	op67159a,ecs446,250,,,1,1				ok	
42	ic446-0.002	mcs446SIMLVI.M	cs8568	op67159a,ecs446,250,,,1,1				ok	
43	ic446-0.004	mcs446SIMLVI.M	cs8569	op67159a,ecs446,250,,,1,1				ok	
44	ic446-0.01	mcs446SIMLVI.M	cs8570	op67159a,ecs446,250,,,1,1				ok	
45	ic446-0.02	mcs446SIMLVI.M	cs8571	op67159a,ecs446,250,,,1,1				ok	
46	ic446-0.04	mcs446SIMLVI.M	cs8572	op67159a,ecs446,250,,,1,1				ok	
47	ic446-0.1	mcs446SIMLVI.M	cs8573	op67159a,ecs446,250,,,1,1				ok	
48	icc446-0.2	mcs446SIMLVI.M	cs8574	op67159a,ecs446,250,,,1,1				ok	
49	ic446-0.5	mcs446SIMLVI.M	cs8575	op67159a,ecs446,250,,,1,1				ok	
50	ic446-1	mcs446SIMLVI.M	cs8576	op67159a,ecs446,250,,,1,1				ok	
51	ic446-2	mcs446SIMLVI.M	cs8577	op67159a,ecs446,250,,,1,1				ok	
52	icv446-0.2	mcs446SIMLVI.M	cs8578	op67159a,ecs446,250,,,1,1				ok	
53	icv446-1	mcs446SIMLVI.M	cs8579	op67159a,ecs446,250,,,1,1				ok	PCP double in mix/ recalculated

5

SGS

SEMIVOLATILE by GCMS ANALYSIS LOG

Date: 10/18/2025

Standard data

Lot#	Description	concentration
sv25-145d	sim lvi	0.2ppm
sv25-202	dftpp	50ppm
sv25-141	sim internal std	400ppm
250510	DCM- Fisher	

Batch ID:ECS470

Print Analyst Name:
rocquans
Analyst Signature:
RS

Columns: ZB5MS Plus 30mx0.25mmx0.25um

Method: 8270e

Initial Cal. Method: MCS446SIMLVI.M

Injection vol. - 5.0 µl

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Method	File ID	OP Batch, Run ID, Vi,,,Vf, Dil.	Test Code	IS	SURR	Status	Comments
1	dcm	mcs446SIMLVI.M	cs9112	op68079a,ecs470,250,,,1,1					
2	cc446-0.2	mcs446SIMLVI.M	cs9113	op68079a,ecs470,250,,,1,1					not using/ changed liner
1	dcm	mcs446SIMLVI.M	cs9114	op68079a,ecs470,250,,,1,1					
2	cc446-0.2	mcs446SIMLVI.M	cs9115	op68079a,ecs470,250,,,1,1		y	y		15:43
1	dcm	mcs446SIMLVI.M	cs9116	op68079a,ecs470,250,,,1,1					
31	op68253a-mb1	mcs446SIMLVI.M	cs9117	op68253a,ecs470,250,,,1,1		y	y		
32	je21231-7	mcs446SIMLVI.M	cs9118	op68253a,ecs470,250,,,1,1		y	y		
33	op68253a-bs12	mcs446SIMLVI.M	cs9119	op68253a,ecs470,250,,,1,1		y	y		
34	op68253a-bsd12	mcs446SIMLVI.M	cs9120	op68253a,ecs470,250,,,1,1		y	y		
35	je21034-1	mcs446SIMLVI.M	cs9121	op68253a,ecs470,250,,,1,1		y	y		
36	je21034-6	mcs446SIMLVI.M	cs9122	op68253a,ecs470,250,,,1,1		y	y		
37	je21172-3	mcs446SIMLVI.M	cs9123	op68253a,ecs470,250,,,1,1		y	y		
38	je21172-6	mcs446SIMLVI.M	cs9124	op68253a,ecs470,250,,,1,1		y	y		
39	je21172-7	mcs446SIMLVI.M	cs9125	op68253a,ecs470,250,,,1,1		y	y		
40	je21172-8	mcs446SIMLVI.M	cs9126	op68253a,ecs470,250,,,1,1		y	y		
41	je21172-9	mcs446SIMLVI.M	cs9127	op68253a,ecs470,250,,,1,1		y	y		
42	je21172-10	mcs446SIMLVI.M	cs9128	op68253a,ecs470,250,,,1,1		y	y		
43	je21172-12	mcs446SIMLVI.M	cs9129	op68253a,ecs470,250,,,1,1		y	y		
44	je21231-1	mcs446SIMLVI.M	cs9130	op68253a,ecs470,250,,,1,1		y	y		
45	je21231-2	mcs446SIMLVI.M	cs9131	op68253a,ecs470,250,,,1,1		y	y		
46	je21231-3	mcs446SIMLVI.M	cs9132	op68253a,ecs470,250,,,1,1		y	y		
47	je21231-4	mcs446SIMLVI.M	cs9133	op68253a,ecs470,250,,,1,1		y	y		
48	je21231-5	mcs446SIMLVI.M	cs9134	op68253a,ecs470,250,,,1,1		y	y		
49	je21231-6	mcs446SIMLVI.M	cs9135	op68253a,ecs470,250,,,1,1		y	y		1:27

SGS

SEMIVOLATILE by GCMS ANALYSIS LOG

Date: 10/24/2025

Standard data

Lot#	Description	concentration
sv25-145d	sim lvi	0.2ppm
sv25-202	dftpp	50ppm
sv25-141	sim internal std	400ppm
250510	DCM- Fisher	

Batch ID:ECS475

Print Analyst Name:
alejanda
Analyst Signature:
ac

Columns: ZB5MS Plus 30mx0.25mmx0.25um

Method: 8270e

Initial Cal. Method: MCS446SIMLVI.M

Injection vol. - 5.0 µl

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Method	File ID	OP Batch, Run ID, Vi,,,Vf, Dil.	Test Code	IS	SURR	Status	Comments
1	dcm	mcs446SIMLVI.M	cs9241	op68446c,ecs475,250,,,1,1					
1	dcm	mcs446SIMLVI.M	cs9242	op68446c,ecs475,250,,,1,1					
2	cc446-0.2	mcs446SIMLVI.M	cs9243	op68446c,ecs475,250,,,1,1		y	y	ok	12:23
1	dcm	mcs446SIMLVI.M	cs9244	op68446c,ecs475,250,,,1,1		y	y	ok	
3	op68290a-mb1	mcs446SIMLVI.M	cs9245	op68290a,ecs475,250,,,1,1		y	y	ok	
4	op68406a-mb1	mcs446SIMLVI.M	cs9246	op68406a,ecs475,250,,,1,1		y	y	ok	
5	je21275-5	mcs446SIMLVI.M	cs9247	op68290a,ecs475,250,,,1,1		y	y	ok	
6	op68290a-bs12	mcs446SIMLVI.M	cs9248	op68290a,ecs475,250,,,1,1		y	y	ok	rec high
7	op68290a-bsd12	mcs446SIMLVI.M	cs9249	op68290a,ecs475,250,,,1,1		y	y	ok	
8	op68406a-bs12	mcs446SIMLVI.M	cs9250	op68406a,ecs475,250,,,1,1		y	y	ok	rec high
9	op68406a-bsd12	mcs446SIMLVI.M	cs9251	op68406a,ecs475,250,,,1,1		y	y	ok	
10	je20825-1	mcs446SIMLVI.M	cs9252	op68290a,ecs475,250,,,1,1		y	y	ok	rr dl 5x,50x
11	je20825-3	mcs446SIMLVI.M	cs9253	op68290a,ecs475,250,,,1,1		y	y	ok	rr dl 5x,50x
12	je20825-4	mcs446SIMLVI.M	cs9254	op68290a,ecs475,250,,,1,1		y	y	ok	
13	je20825-5	mcs446SIMLVI.M	cs9255	op68290a,ecs475,250,,,1,1		y	y	ok	
14	je21275-1	mcs446SIMLVI.M	cs9256	op68290a,ecs475,250,,,1,1		y	y	ok	
15	je21275-2	mcs446SIMLVI.M	cs9257	op68290a,ecs475,250,,,1,1		y	y	ok	
16	je21275-3	mcs446SIMLVI.M	cs9258	op68290a,ecs475,250,,,1,1		y	y	ok	

SGS

SEMIVOLATILE by GCMS ANALYSIS LOG

Date: 10/24/2025

Standard data

Lot#	Description	concentration
sv25-145d	sim lvi	0.2ppm
sv25-202	dftpp	50ppm
sv25-141	sim internal std	400ppm
250510	DCM- Fisher	

Batch ID:ECS475

Print Analyst Name:
alejanda
Analyst Signature:
ac

Columns: ZB5MS Plus 30mx0.25mmx0.25um

Method: 8270e

Initial Cal. Method: MCS446SIMLVI.M

Injection vol. - 5.0 µl

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Method	File ID	OP Batch, Run ID, Vi,,,Vf, Dil.	Test Code	IS	SURR	Status	Comments
17	je21275-4	mcs446SIMLVI.M	cs9259	op68290a,ecs475,250,,,1,1		y	y	ok	
18	je21275-6	mcs446SIMLVI.M	cs9260	op68290a,ecs475,250,,,1,1		y	y	ok	
19	je21275-7	mcs446SIMLVI.M	cs9261	op68290a,ecs475,250,,,1,1		y	y	ok	
20	je21275-8	mcs446SIMLVI.M	cs9262	op68290a,ecs475,250,,,1,1		y	y	ok	
21	je21275-9	mcs446SIMLVI.M	cs9263	op68290a,ecs475,250,,,1,1		y	y	ok	
22	je20904-5	mcs446SIMLVI.M	cs9264	op68406a,ecs475,250,,,1,1		y	y	ok	
23	je21034-8	mcs446SIMLVI.M	cs9265	op68406a,ecs475,250,,,1,1		y	y	ok	
24	je21455-6	mcs446SIMLVI.M	cs9266	op68406a,ecs475,250,,,1,1		y	y	ok	
25	je21563-4	mcs446SIMLVI.M	cs9267	op68406a,ecs475,250,,,1,1		1h	low	ok	
26	je21563-5	mcs446SIMLVI.M	cs9268	op68406a,ecs475,250,,,1,1		y	y	ok	
27	je21563-6	mcs446SIMLVI.M	cs9269	op68406a,ecs475,250,,,1,1		y	y	ok	11:58:00 PM/rrdl 10x

SGS

SEMIVOLATILE by GCMS ANALYSIS LOG

Date: 9/10/2025

Standard data

Lot#	Description	concentration
sv25-145a	sim lvi	2ppm
sv25-145b	sim lvi	1ppm
sv25-145c	sim lvi	0.5ppm
sv25-145D	sim lvi	0.2ppm
sv25-145E	sim lvi	0.1ppm
sv25-145F	sim lvi	0.04ppm
sv25-145G	sim lvi	0.02ppm
sv25-145H	sim lvi	0.01ppm
sv25-145I	sim lvi	0.004ppm
sv25-145J	sim lvi	0.002ppm
sv25-167	svoc2	1ppm
sv25-166	svoc1	0.2ppm
sv25-2993-114	dftpp	50ppm
Lot#	Description	concentration

Batch ID:EZ8654

Print Analyst Name:
rocquans
Analyst Signature:
RS
Columns:zb-5MSplus 30M x 0.25MM x 0.25UM

Method:8270e
Initial Cal. Method:MZ8651simlvi
Injection vol. - 5.0 µl

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Method	File ID	OP Batch, Run ID, Vi,,,Vf, Dil.	Test code	IS	SURR	Comments
1	dftpp	DFTPPZ	Z175452	op66828a,ez8654,250,,,1,1				ok
2	ic8654-0.002	MZ8654SIMLVI	Z175453	op66828a,ez8654,250,,,1,1				ok
3	ic8654-0.004	MZ8654SIMLVI	Z175454	op66828a,ez8654,250,,,1,1				ok
4	ic8654-0.01	MZ8654SIMLVI	Z175455	op66828a,ez8654,250,,,1,1				ok
5	ic8654-0.02	MZ8654SIMLVI	Z175456	op66828a,ez8654,250,,,1,1				ok
6	ic8654-0.04	MZ8654SIMLVI	Z175457	op66828a,ez8654,250,,,1,1				ok
7	ic8654-0.1	MZ8654SIMLVI	Z175458	op66828a,ez8654,250,,,1,1				ok
8	ic8654-0.2	MZ8654SIMLVI	Z175459	op66828a,ez8654,250,,,1,1				ok
9	ic8654-0.5	MZ8654SIMLVI	Z175460	op66828a,ez8654,250,,,1,1				ok
10	ic8654-1	MZ8654SIMLVI	Z175461	op66828a,ez8654,250,,,1,1				ok
11	ic8654-2	MZ8654SIMLVI	Z175462	op66828a,ez8654,250,,,1,1				ok
12	icv8654-0.2	MZ8654SIMLVI	Z175463	op66828a,ez8654,250,,,1,1				not use
13	icv8654-1	MZ8654SIMLVI	Z175464	op66828a,ez8654,250,,,1,1				ok
6	ic8654-0.04	MZ8654SIMLVI	Z175465	op66828a,ez8654,250,,,1,1				not use
14	icv8654-0.2	MZ8654SIMLVI	Z175466	op66828a,ez8654,250,,,1,1				ok

SGS

SEMIVOLATILE by GCMS ANALYSIS LOG

Date: 10/19/2025

Standard data

Lot#	Description	concentration
sv25-197D	sim pcp lvi	0.2ppm
sv25-145D	sim lvi	0.2ppm
SV25-141	sim internal	400ppm
250510	DCM-Fisher	
Lot#	**Description**	**concentration**

Batch ID:EZ8690

Print Analyst Name:
thomasl
Analyst Signature:
tl
Columns:zb-5MSplus 30M x 0.25MM x 0.25UM

Method:8270e
Initial Cal. Method:MZ8654simlvi
Injection vol. - 5.0 µl
Processed By:
AlodiaB

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Method	File ID	OP Batch, Run ID, Vi,,,Vf, Dil.	Test code	IS	SURR	Status	Comments
1	dcm	MZ8654SIMLVI	Z176465	op68255a,ez8690,250,,,1,1					
2	dftpp	DFTPPZ	Z176466	op68255a,ez8690,250,,,1,1				ok	tune
3	cc8654-0.2	MZ8654SIMLVI	Z176467	op68255a,ez8690,250,,,1,1				ok	sim lvi/11:54 am
4	cc8654-0.2	MZ8654SIMLVI	Z176468	op68255a,ez8690,250,,,1,1				ok	pcp lvi
1	dcm	MZ8654SIMLVI	Z176469	op68255a,ez8690,250,,,1,1				ok	
6	op68256a-mb1	MZ8654SIMLVI	Z176470	op68256a,ez8690,250,,,1,1		Y	Y	ok	
7	op68273a-mb1	MZ8654SIMLVI	Z176471	op68273a,ez8690,250,,,1,1		Y	Y	ok	
8	je21228-11	MZ8654SIMLVI	Z176472	op68256a,ez8690,250,,,1,1	ABLV8270SIMNJ, BSIM+14DIOX	Y	Y	ok	
9	op68256a-bs12	MZ8654SIMLVI	Z176473	op68256a,ez8690,250,,,1,1		Y	Y	ok	
10	op68256a-bsd12	MZ8654SIMLVI	Z176474	op68256a,ez8690,250,,,1,1		Y	Y	ok	
11	op68273a-bs12	MZ8654SIMLVI	Z176475	op68273a,ez8690,250,,,1,1		Y	Y	ok	
12	je21275-11	MZ8654SIMLVI	Z176476	op68273a,ez8690,250,,,1,1	ABLV8270SIMPAH, ASIM+PCP	Y	Y	ok	rr dl 500x
13	je21228-2	MZ8654SIMLVI	Z176477	op68256a,ez8690,250,,,1,1	ABLV8270SIMNJ, BSIM+14DIOX	Y	Y	ok	
14	je21237-3	MZ8654SIMLVI	Z176478	op68255a,ez8690,250,,,1,1	ABLV8270SIMNJ, BSIM+14DIOX	Y	Y	ok	poor matrix; report overcal compound in full scan
15	je21233-1	MZ8654SIMLVI	Z176479	op68255a,ez8690,250,,,1,1	ABLV8270SIMSL	Y	Y	ok	
16	je21233-2	MZ8654SIMLVI	Z176480	op68255a,ez8690,250,,,1,1	ABLV8270SIMSL	Y	Y	ok	
17	je21233-3	MZ8654SIMLVI	Z176481	op68255a,ez8690,250,,,1,1	ABLV8270SIMSL	Y	Y	ok	
18	je21228-3	MZ8654SIMLVI	Z176482	op68256a,ez8690,250,,,1,1	ALV8270SIMPCP	Y	Y	ok	
19	je21228-6	MZ8654SIMLVI	Z176483	op68256a,ez8690,250,,,1,1	ABLV8270SIMNJ, BSIM+14DIOX	Y	Y	ok	

SGS

SEMIVOLATILE by GCMS ANALYSIS LOG

Date: 10/19/2025

Standard data

Lot#	Description	concentration
sv25-197D	sim pcp lvi	0.2ppm
sv25-145D	sim lvi	0.2ppm
SV25-141	sim internal	400ppm
250510	DCM-Fisher	
Lot#	**Description**	**concentration**

Batch ID:EZ8690

Print Analyst Name:
thomasl
Analyst Signature:
tl
Columns:zb-5MSplus 30M x 0.25MM x 0.25UM

Method:8270e
Initial Cal. Method:MZ8654simlvi
Injection vol. - 5.0 µl
Processed By:
AlodiaB

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Method	File ID	OP Batch, Run ID, Vi,,,Vf, Dil.	Test code	IS	SURR	Status	Comments
20	je21228-8	MZ8654SIMLVI	Z176484	op68256a,ez8690,250,,,1,1	ABLV8270SIMNJ, BSIM+14DIOX	Y	Y	ok	
21	je21228-9	MZ8654SIMLVI	Z176485	op68256a,ez8690,250,,,1,1	ALV8270SIMPCP	Y	Y	ok	
22	je21228-10	MZ8654SIMLVI	Z176486	op68256a,ez8690,250,,,1,1	ABLV8270SIMNJ, BSIM+14DIOX	Y	Y	ok	
23	je21228-2f	MZ8654SIMLVI	Z176487	op68256a,ez8690,250,,,1,1	ABLV8270SIMNJ, BSIM+14DIOX	Y	Y	ok	
24	je21228-6f	MZ8654SIMLVI	Z176488	op68256a,ez8690,250,,,1,1	ABLV8270SIMNJ, BSIM+14DIOX	Y	Y	ok	
25	je21228-8f	MZ8654SIMLVI	Z176489	op68256a,ez8690,250,,,1,1	ABLV8270SIMNJ, BSIM+14DIOX	Y	Y	ok	
26	je21228-10f	MZ8654SIMLVI	Z176490	op68256a,ez8690,250,,,1,1	ABLV8270SIMNJ, BSIM+14DIOX	Y	N	ok	surr low
27	je21034-4	MZ8654SIMLVI	Z176491	op68166a,ez8690,250,,,1,1	BLV8270SIMPAH	Y	Y	ok	
28	je20904-5	MZ8654SIMLVI	Z176492	op68166a,ez8690,250,,,1,1	BLV8270SIMPAH	Y	Y	ok	
29	je20865-1	MZ8654SIMLVI	Z176493	op68117a,ez8690,250,,,1,1	BLV8270SIMPAH	Y	N	ok	surr low
30	je20865-9	MZ8654SIMLVI	Z176494	op68117a,ez8690,250,,,1,2	BLV8270SIMPAH	Y	Y	ok	rr dl 20x
31	je21328-6	MZ8654SIMLVI	Z176495	op68287c,ez8690,250,,,1,1	BLV625SIMBAPY	Y	Y	ok	
32	je21328-6	MZ8654SIMLVI	Z176496	op68287c,ez8690,250,,,1,2	BLV625SIMBAPY	Y	Y	ok	
33	je20979-1	MZ8654SIMLVI	Z176497	op68139a,ez8690,250,,,1,2	BLV8270SIMBANTH	Y	Y	ok	
34	je20979-5	MZ8654SIMLVI	Z176498	op68139a,ez8690,250,,,1,2	BLV8270SIMBANTH, BSIM+BAPYRN, BSIM+BBFLUAN BSIM+DBANTH, BSIM+I123PYR	Y	Y	ok	
35	je20500-2	MZ8654SIMLVI	Z176499	op67981a,ez8690,250,,,1,10	ABLV8270SIMPAH, ASIM+PCP	Y	Y	ok	rr dl 1000x done 2M144170; Sample extracted outside the holding time; 1:48 am

ABN Aqueous Extraction Logbook

LOGBOOK ID:

Date Started: 10/15/25 Time Started: 13:00
Date Finished: 10/16/25 Time Finished: 00:30

Extract Method (CHECK OFF "√" /DO NOT CIRCLE):
Separatory Funnel: SW846 3510C/CLP/other ✓ 3510C SIM ✓
Continuous Liquid Liquid: SW846 3520C/CLP/other

BATCH # MS OP68166	RACK# Pink
Set-up by:	AY AM GO MM DS KB
Extracted by:	AY GO MM DS BD
Concentrated by:	AM GO KB BD
Final Vol. Top-up:	
Vialed by:	KB
Vials:	24122085 – Fisher
Vial Labels verified by:	
Supervisor Review:	NT 10-17-2025

Equipment/ Range	ID	Observed Temp (°C)	Correction Factor (°C)	Corrected Temp (°C)	Pressure/ Flowrate
Buchi (65-71°C)					
Buchi Chiller					
Waterbath (70-80°C)	6	75	1	76.	OK
Waterbath Chiller (GPM)	F2	4	–	–	OK
NEVAP (32-38°C, LPM)	3	35	–	–	OK

SURROGATE	LOT #	CONC (ppm)	AMT (mL)
ABN	SV25-221	50	0.2
ABN DOD SIM			

WITNESS SIGN: GO SPIKE SIGN: AY

MATRIX SPIKE	LOT #	CONC (ppm)	AMT (mL)
Acid			Acid:
Acid (for SIM)			A(SIM):
~~Base~~ #1 mix	SV25-222	50/100	1.0
~~Base~~ #2 mix	SV25-154	50	1.0
Anilines			
BSIM	SV25-094	1-4	1.0

WITNESS SIGN: GO SPIKE SIGN: AY

SOLVENT	LOT #	BRAND	AMT (mL)
METH CHLOR	254902	Fisher	6x15

REAGENT	LOT #	BATCH #	BRAND
NaOH	245169		Fisher
H2SO4	4506F28		Ricca
Sodium Sulfate	526201	10/14/25	LSS
Glass Wool	057802		LSS
Filter Paper			
pH strips	202325		Hydrion

Special Client Spike Instructions

QC ID# for Special Spike	Amt to Spike	Spike ID	Lot #	Conc.	Amt. Spiked

WITNESS SIGN: SPIKE SIGN:
Manager/Supervisor/Team Lead Approval:

SPECIAL PROCESSING INSTRUCTIONS

Rx Reason:

Spiking:

Weights/Volumes:

Required MS/MSD:

Final Volume:

Other: HT 10/15 Due 10/23

	Sample #	Analysis Type	Sample Bottle #	Sample Description	Sample Volume (mL)	Final pH: Acid Extract	Final pH: BN/ABN Extract	Final Extract: Color	Final Extract: Vol(mL)	Comments
	MB1	ABN		DIH2O	250	1	14	Clear	1	
	BS1	1		DIH2O	250	1	14	L.Yellow	1	
	~~MS~~ BSD			DIH2O	250	1	14	L.Yellow	1	
	MSD									
	BS12	SIM		DIH2O	250	1	14	Clear	1	
	~~MS~~ BSD12	1		DIH2O	250	1	14	Clear	1	
	MSD									
	BS									
	MS									
	MSD									
1	JE20978-1	ABN	1	1 yellow	250	1	14	Clear	1	•
2	-2		2	Clear		1	14	Clear	1	•
3	-3		1	Clear		1	14	Clear	1	•
4	-4		2	Clear		1	14	Clear	1	•
5	-5		3	Clear		1	14	Clear	1	•
6	-6		1	Clear		1	14	Clear	1	•
7	-7		1	Clear		1	14	Clear	1	•
8	-8		1	Clear		1	14	Clear	1	•
9	-9		2	1 yellow		1	14	Clear	1	•
10	JE21019-4		2	1 yellow		1	14	brown	1	•
11	-5		2	1 yellow		1	14	L.Yellow	1	•
12	-6		2	1 yellow		1	14	brown	1	•
13	-7		1	clear		1	14	Clear	1	•
14	JE20904-5	SIM	2	1 yellow		1	14	L.Yellow	1	•
15	JE21034-3		1	1 yellow		1	14	Clear	1	•
16	-4		1	1 yellow		1	14	Clear	1	•
17	-5		2	1 yellow		1	14	Clear	1	•
18	-7		2	1 yellow		1	14	Clear	1	•
19	-8		1	1 yellow		1	14	Clear	1	•
20										

Comments: QC Samples (MS, MSD, LINK and/or DUP, Link) Confirmed by:
• emulsion

SGS
Form: OP022-16
Rev Date: 6/13/2025

7

LOGBOOK ID:

ABN Aqueous Extraction Logbook

Date Started: 10/17/25 Time Started: 7:45
Date Finished: 10/17/25 Time Finished: 14:00

Extract Method (CHECK OFF "√" /DO NOT CIRCLE):
Separatory Funnel: SW846 3510C/CLP/other ✓ 3510C SIM ✓
Continuous Liquid Liquid: SW846 3520C/CLP/other

BATCH # MS OP68253	RACK# Orange
Set-up by:	AY GO
Extracted by:	GO AM MM AY
Concentrated by:	AY
Final Vol. Top-up:	
Vialed by:	AY
Vials:	24123085 Fisher
Vial Labels verified by:	
Supervisor Review:	NIT 10-17-2025

Equipment/ Range	ID	Observed Temp (°C)	Correction Factor (°C)	Corrected Temp (°C)	Pressure/ Flowrate
Buchi (65-71°C)					
Buchi Chiller					
Waterbath (70-80°C)	6	75.0	+1	76.0	OK
Waterbath Chiller (GPM)	#2	3	-	-	OK
NEVAP (32-38°C, LPM)	3	35.0	-	-	OK

SURROGATE	LOT #	CONC (ppm)	AMT (mL)
ABN	SU25 221	50	0.2
ABN DOD SIM			
WITNESS SIGN: GO		SPIKE SIGN: AY	
MATRIX SPIKE	LOT #	CONC (ppm)	AMT (mL)
Acid			Acid:
Acid (for SIM)			A(SIM):
~~Base~~ #1 Mix	SU25 223	50/100	0.2
~~Base~~ #2 Mix	SU25 184	50	0.2
Anilines			
BSIM	SU25 054	1-4	0.2
WITNESS SIGN: GO		SPIKE SIGN: AY	
SOLVENT	LOT #	BRAND	AMT (mL)
METH CHLOR	254902	Fisher	6x18
REAGENT	LOT #	BATCH #	BRAND
NaOH	245164		Fisher
H2SO4	4506F28		Ricca
Sodium Sulfate	526201	10/14/25	LSS
Glass Wool	05B02		LSS
Filter Paper			
pH strips	207325		Hydrion

Special Client Spike Instructions					
QC ID# for Special Spike	Amt to Spike	Spike ID	Lot #	Conc.	Amt. Spiked

WITNESS SIGN: SPIKE SIGN:
Manager/Supervisor/Team Lead Approval:

SPECIAL PROCESSING INSTRUCTIONS
Rx Reason:
Spiking:
Weights/Volumes:
Required MS/MSD:
Final Volume:
Other: HT 10/17 Due 10/20

	Sample #	Analysis Type (LV1)	Sample Bottle #	Sample Description	Sample Volume (mL)	Final pH: Acid Extract	Final pH: BN/ABN Extract	Final Extract: Color	Final Extract: Vol(mL)	Comments
	MB1	ABN1		diH2O	250	1	14	Clear	1	
	BS1			diH2O	250	1	14	Yellow	1	
	~~MS~~ BSD			diH2O	250	1	14	Yellow	1	
	MSD									
	BS12	SIM		diH2O	250	1	14	Clear	1	
	~~MS~~ BSD12			diH2O	250	1	14	Clear	1	
	MSD									
	BS									
	MS									
	MSD									
1	JE21034-1	ABN1	1	~~L.Yellow~~	~~250~~	1	14	Clear	1	
2	-6		1	Yellow	250	1	14	Clear	1	
3	JE21172-3		1	L.Orange	250	1	14	Clear	1	
4	-6		2	Clear	250	1	14	Clear	1	
5	-7		2	L.Brown	250	1	14	Clear	1	
6	-8		2	Clear	250	1	14	Clear	1	
7	-9		2	L.Yellow	250	1	14	Yellow	1	
8	-10		1	Yellow	250	1	14	Clear	1	
9	-12		2	Clear	250	1	14	Clear	1	
10	~~-13~~									*
11	JE21231-1		1	L.Yellow	250	1	14	Yellow	1	
12	-2		2	D.Orange	250	1	14	Clear	1	
13	-3		2	Peach	250	1	14	Clear	1	
14	-4		2	L.Peach	250	1	14	Clear	1	
15	-5		2	Orange	250	1	14	Clear	1	
16	-6		1	L.Yellow	250	1	14	Clear	1	
17	-7		1	Clear	250	1	14	Clear	1	
18	JE21184-3		2	Clear	250	1	14	Clear	1	
19										
20										

Comments: QC Samples (MS, MSD, LINK and/or DUP, Link) Confirmed by:
*NO EXT BOTTLE

SGS
Form: OP022-16
Rev Date: 6/13/2025

9

ABN Aqueous Extraction Logbook

LOGBOOK ID:

Date Started: 10/22/25 Time Started: 15:00
Date Finished: 10/22/25 Time Finished: 19:34

Extract Method (CHECK OFF "√" /DO NOT CIRCLE):
Separatory Funnel: SW846 3510C/CLP/other ✓ 3510C SIM ✓
Continuous Liquid Liquid: SW846 3520C/CLP/other

BATCH # MS OP68406	RACK# orange
Set-up by:	AY GO
Extracted by:	GO, AM, BD
Concentrated by:	AM BD GO SGC
Final Vol. Top-up:	
Vialed by:	BD SGC
Vials:	24122085 / Fisher
Vial Labels verified by:	
Supervisor Review:	ED 10-22-25

Equipment/ Range	ID	Observed Temp (°C)	Correction Factor (°C)	Corrected Temp (°C)	Pressure/ Flowrate
Buchi (65-71°C)					
Buchi Chiller					
Waterbath (70-80°C)	6	75	+1	76	ok
Waterbath Chiller (GPM)	F2	5	–	–	ok
NEVAP (32-36°C, LPM)	3	35	–	–	10

SURROGATE	LOT #	CONC (ppm)	AMT (mL)
ABN	SV25-221	50	0.2
ABN DOD SIM			

WITNESS SIGN: GO SPIKE SIGN: AM

MATRIX SPIKE	LOT #	CONC (ppm)	AMT (mL)
Acid			Acid:
Acid (for SIM)			A(SIM):
~~Base~~ #1 Mix 1	SV25-222	50/100	0.2
Base #2 Mix 2	SV25-184	50	0.2
Anilines			
BSIM	SV25-159	1/2/4	0.2

WITNESS SIGN: GO SPIKE SIGN: AM

SOLVENT	LOT #	BRAND	AMT (mL)
METH CHLOR	254902	Fisher	6x15

REAGENT	LOT #	BATCH #	BRAND
NaOH	245169		Fisher
H2SO4	4506F28		Ricca
Sodium Sulfate	522201	10/15/25	LSS
Glass Wool	053102		LSS
Filter Paper			
pH strips	202325		Hydrion

Special Client Spike instructions

QC ID# for Special Spike	Amt to Spike	Spike ID	Lot #	Conc.	Amt. Spiked

WITNESS SIGN: SPIKE SIGN:
Manager/Supervisor/Team Lead Approval:

SPECIAL PROCESSING INSTRUCTIONS
Rx Reason:
Spiking:
Weights/Volumes:
Required MS/MSD: JE20762-1
Final Volume:
Other: HT: 10/23 Dur: 10/31

	Sample #	Analysis Type	Sample Bottle #	Sample Description	Sample Volume (mL)	Final pH: Acid Extract	Final pH: BN/ABN Extract	Final Extract: Color	Final Extract: Vol(mL)	Comments
	MB1	LVI ABN		DIH20	250	1	14	clear	1	
	BS1			DIH20	250	1	14	yellow	1	*
	MS JE20762-1		11	Yellow	250	1	14	yellow	1	*
	MSD		10	Yellow	250	1	14	yellow	1	*
	BS 12	SIM		DIH20	250	1	14	clear	1	
	~~MS~~ BSD12			DIH20	250	1	14	clear	1	
	MSD									
	BS									
	MS									
	MSD									
1	JE20762-1	ABN	13	Yellow	250	1	14	clear	1	*
2	-2		4	Yellow	250	1	14	clear	1	
3	-4		4	Yellow	250	1	14	clear	1	
4	-5		4	Yellow	250	1	14	clear	1	
5	JE20904-5	SIM	1	Yellow	250	1	14	clear	1	
6	JE21034-8		2	Yellow	250	1	14	clear	1	
7	JE21455-6		4	Yellow	250	1	14	clear	1	
8	JE21563-4		3	Yellow	250	1	14	l. yellow	1	
9	-5		3	Yellow	250	1	14	clear	#1	
10	-6		3	Clear	250	1	14	clear	1	
11	-7		12	Clear	250	1	14	clear	1	
12	-8		4	Clear	250	1	14	clear	1	
13	JE21505-3		1	Yellow	250	1	14	clear	1	
14	-4		2	Yellow	250	1	14	l. yellow	1	
15	-5		1	Brown	250	1	14	yellow	1	*x!
16	-12		1	Yellow	250	1	14	clear	1	* !
17										
18										
19										
20										

Comments: QC Samples (MS, MSD, LINK and/or DUP, Link) Confirmed by:
x Sediment ! - centrifuged, emulsion * - gravity sion

SGS
Form: OP022-16
Rev Date: 6/13/2025

10

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries
- GC Surrogate Retention Time Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method Blank Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GKM598-MB	KM14255.D	1	10/21/25	JN	n/a	n/a	GKM598

The QC reported here applies to the following samples: **Method:** SW846 8015D

JE21034-1, JE21034-6

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.11	mg/l	

CAS No.	Surrogate Recoveries		Limits
98-08-8	aaa-Trifluorotoluene	86%	63-120%

Method Blank Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GAA3393-MB	AA118141.D	1	10/22/25	WC	n/a	n/a	GAA3393

The QC reported here applies to the following samples: **Method:** RSK-175

JE21034-1, JE21034-6

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	ND	0.11	0.080	ug/l	

Blank Spike Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GKM598-BS	KM14256.D	1	10/21/25	JN	n/a	n/a	GKM598

The QC reported here applies to the following samples: **Method:** SW846 8015D

JE21034-1, JE21034-6

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH-GRO (C6-C10)	8	8.45	106	56-129

CAS No.	Surrogate Recoveries	BSP	Limits
98-08-8	aaa-Trifluorotoluene	96%	63-120%

* = Outside of Control Limits.

Laboratory Control Sample Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GAA3393-LCS	AA118180.D	1	10/22/25	WC	n/a	n/a	GAA3393

The QC reported here applies to the following samples: **Method:** RSK-175

JE21034-1, JE21034-6

CAS No.	Compound	Spike ug/l	LCS ug/l	LCS %	Limits
74-82-8	Methane	10.8	9.81	91	85-115

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE20825-1MS	KM14262.D	1	10/21/25	JN	n/a	n/a	GKM598
JE20825-1MSD	KM14263.D	1	10/21/25	JN	n/a	n/a	GKM598
JE20825-1	KM14257.D	1	10/21/25	JN	n/a	n/a	GKM598

The QC reported here applies to the following samples: **Method:** SW846 8015D

JE21034-1, JE21034-6

CAS No.	Compound	JE20825-1 mg/l	Q	Spike mg/l	MS mg/l	MS %	Spike mg/l	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	0.742		8	9.82	113	8	9.83	114	0	23-168/25

CAS No.	Surrogate Recoveries	MS	MSD	JE20825-1	Limits
98-08-8	aaa-Trifluorotoluene	102%	101%	90%	63-120%

* = Outside of Control Limits.

Duplicate Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE20825-1DUP	AA118151.D	1	10/22/25	WC	n/a	n/a	GAA3393
JE20825-1	AA118150.D	1	10/22/25	WC	n/a	n/a	GAA3393
JE20825-1	AA118152.D	100	10/22/25	WC	n/a	n/a	GAA3393

The QC reported here applies to the following samples: **Method:** RSK-175

JE21034-1, JE21034-6

CAS No.	Compound	JE20825-1 ug/l	Q	DUP ug/l	Q	RPD	Limits
74-82-8	Methane	3150 [a]		3140	E	0	20

(a) Result is from Run #2.

10.5.1
10

* = Outside of Control Limits.

Surrogate Recovery Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Method: SW846 8015D **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]
JE21034-1	KM14258.D	87
JE21034-6	KM14259.D	89
GKM598-BS	KM14256.D	96
GKM598-MB	KM14255.D	86
JE20825-1MS	KM14262.D	102
JE20825-1MSD	KM14263.D	101

Surrogate Compounds	Recovery Limits
S1 = aaa-Trifluorotoluene	63-120%

(a) Recovery from GC signal #1

GC Surrogate Retention Time Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Check Std:	GKM597-CC588	**Injection Date:**	10/20/25
Lab File ID:	KM14250.D	**Injection Time:**	22:52
Instrument ID:	GCKM	**Method:**	SW846 8015D

	S1 [a] **RT**
Check Std	10.98

Lab Sample ID	**Lab File ID**	**Date Analyzed**	**Time Analyzed**	**S1** [a] **RT**
GKM598-RT	KM14253.D	10/21/25	10:15	10.98

Surrogate Compounds

S1 = aaa-Trifluorotoluene

(a) Retention time from GC signal #1

10.7.1 10

GC Surrogate Retention Time Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Check Std:	GKM598-CC588	**Injection Date:**	10/21/25
Lab File ID:	KM14254.D	**Injection Time:**	10:39
Instrument ID:	GCKM	**Method:**	SW846 8015D

	S1 [a] **RT**
Check Std	10.98

Lab Sample ID	**Lab File ID**	**Date Analyzed**	**Time Analyzed**	**S1** [a] **RT**
GKM598-MB	KM14255.D	10/21/25	11:30	10.98
GKM598-BS	KM14256.D	10/21/25	12:04	10.98
JE20825-1	KM14257.D	10/21/25	12:41	10.98
JE21034-1	KM14258.D	10/21/25	13:05	10.98
JE21034-6	KM14259.D	10/21/25	13:30	10.98
ZZZZZZ	KM14260.D	10/21/25	13:54	10.98
ZZZZZZ	KM14261.D	10/21/25	14:19	10.98
JE20825-1MS	KM14262.D	10/21/25	15:06	10.98
JE20825-1MSD	KM14263.D	10/21/25	15:30	10.98

Surrogate Compounds

S1 = aaa-Trifluorotoluene

(a) Retention time from GC signal #1

Initial Calibration Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: GAA3333-ICC3333
Lab FileID: AA116754.D

Response Factor Report GCAA

Method : C:\MSDCHEM\1\METHODS\MAA3333.M (ChemStation Integrator)
Title : METHOD V8015 DG by GC-FID
Last Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration

Calibration Files
1 =aa116759.d 2 =aa116760.d 10 =aa116752.d 20 =aa116753.d
100 =aa116754.d 200 =aa116755.d 500 =aa116756.d 1000=aa116757.d

Compound	1	2	10	20	100	200	500	1000	Avg	%RSD
1) Methane	1.793	1.573	1.651	1.629	1.711	1.650	1.541	1.566	1.639 E4	5.08
2) Ethane	3.351	2.829	3.126	3.066	3.300	3.189	2.969	3.004	3.104 E4	5.61
3) Ethene	3.472	2.791	3.144	3.078	3.310	3.199	2.983	3.015	3.124 E4	6.70
4) Propane	4.958	4.366	4.784	4.701	5.075	4.938	4.568	4.612	4.750 E4	4.95

(#) = Out of Range ### Number of calibration levels exceeded format ###

MAA3333.M Fri Jul 25 16:27:47 2025 AA

10.8.1 10

Initial Calibration Verification

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: GAA3333-ICV3333
Lab FileID: AA116761.D

Evaluate Continuing Calibration Report

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa116761.d
Signal(s) : FID1A.ch
Acq On : 25 Jul 2025 4:13 pm
Operator : williamc
Sample : icv3333-100
Misc : GC65024,GAA3333,,,,,1
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jul 25 16:23:52 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	Methane	16.391	15.585 E3	4.9	91	0.00
2	Ethane	31.042	29.913 E3	3.6	91	0.00
3	Ethene	31.239	29.965 E3	4.1	91	0.00
4	Propane	47.504	42.478 E3	10.6	84	0.00

Evaluate Continuing Calibration Report - Not Founds

(#) = Out of Range SPCC's out = 0 CCC's out = 0

MAA3333.M Fri Jul 25 16:27:34 2025 AA

10.8.2 10

Continuing Calibration Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: GAA3393-CC3333
Lab FileID: AA118139.D

Evaluate Continuing Calibration Report

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118139.d
Signal(s) : FID1A.ch
Acq On : 22 Oct 2025 6:05 am
Operator : williamc
Sample : cc3333-100
Misc : GC65408,GAA3393,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 22 06:15:50 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	Methane	16.391	16.563 E3	-1.0	97	0.00
2	Ethane	31.042	31.724 E3	-2.2	96	0.00
3	Ethene	31.239	31.822 E3	-1.9	96	0.00
4	Propane	47.504	48.555 E3	-2.2	96	0.00

Evaluate Continuing Calibration Report - Not Founds

(#) = Out of Range SPCC's out = 0 CCC's out = 0

MAA3333.M Wed Oct 22 17:03:53 2025 AA

Continuing Calibration Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: GAA3393-CC3333
Lab FileID: AA118158.D

Evaluate Continuing Calibration Report

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118158.d
Signal(s) : FID1A.ch
Acq On : 22 Oct 2025 10:39 am
Operator : williamc
Sample : cc3333-100
Misc : GC65402,GAA3393,,,,,1
ALS Vial : 20 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 22 10:50:01 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	Methane	16.391	16.218 E3	1.1	95	0.00
2	Ethane	31.042	31.132 E3	-0.3	94	0.00
3	Ethene	31.239	31.276 E3	-0.1	94	0.00
4	Propane	47.504	47.791 E3	-0.6	94	0.00

Evaluate Continuing Calibration Report - Not Founds

(#) = Out of Range SPCC's out = 0 CCC's out = 0

MAA3333.M Wed Oct 22 17:03:55 2025 AA

Continuing Calibration Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: GAA3393-CC3333
Lab FileID: AA118173.D

Evaluate Continuing Calibration Report

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118173.d
Signal(s) : FID1A.ch
Acq On : 22 Oct 2025 2:55 pm
Operator : williamc
Sample : cc3333-100
Misc : GC65392,GAA3393,,,,,1
ALS Vial : 35 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 22 15:05:49 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	Methane	16.391	14.351 E3	12.4	84	0.00
2	Ethane	31.042	27.487 E3	11.5	83	0.00
3	Ethene	31.239	27.615 E3	11.6	83	0.00
4	Propane	47.504	42.180 E3	11.2	83	0.00

Evaluate Continuing Calibration Report - Not Founds

(#) = Out of Range SPCC's out = 0 CCC's out = 0

MAA3333.M Wed Oct 22 17:03:57 2025 AA

10.8.5 10

Continuing Calibration Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: GAA3393-CC3333
Lab FileID: AA118181.D

Evaluate Continuing Calibration Report

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118181.d
Signal(s) : FID1A.ch
Acq On : 22 Oct 2025 4:52 pm
Operator : williamc
Sample : cc3333-100
Misc : GC65392,GAA3393,,,,,1
ALS Vial : 43 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 22 17:02:14 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	Methane	16.391	16.558 E3	-1.0	97	0.00
2	Ethane	31.042	31.829 E3	-2.5	96	0.00
3	Ethene	31.239	31.964 E3	-2.3	97	0.00
4	Propane	47.504	48.832 E3	-2.8	96	0.00

Evaluate Continuing Calibration Report - Not Founds

(#) = Out of Range SPCC's out = 0 CCC's out = 0

MAA3333.M Wed Oct 22 17:03:59 2025 AA

10.8.6 10

Initial Calibration Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: GKM588-ICC588
Lab FileID: KM14017.D

Response Factor Report HP G1530A

Method Path : C:\MSDCHEM\1\METHODS\
Method File : MKM588.M
Title : Method SW846 8015C (GRO) .
Last Update : Fri Oct 10 09:53:32 2025
Response Via : Initial Calibration

Calibration Files
0.2 =KM14014.D 0.8 =KM14015.D 4 =KM14016.D
8 =KM14017.D 20 =KM14018.D 30 =KM14019.D

	Compound	0.2	0.8	4	8	20	30	Avg		%RSD
1) H	TPH-GRO (C6-C10)	4.492	3.561	3.693	3.498	3.944	3.876	3.844	E5	9.41
2) H	TPH-GRO (C6-C12)	4.266	3.033	3.052	2.917	3.326	3.230	3.304	E5	14.94
3) S	a,a,a-Trifluo...	6.977	7.010	7.321	7.535	8.868	9.943	7.942	E5	15.12

(#) = Out of Range ### Number of calibration levels exceeded format ###

MKM588.M Fri Oct 10 09:54:19 2025 RPT1

10.8.7 10

Initial Calibration Verification

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: GKM588-ICV588
Lab FileID: KM14025.D

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\DATA\GKM588\
Data File : KM14025.D
Signal(s) : FID1A.CH
Acq On : 09 Oct 2025 8:38 pm
Operator : johnn
Sample : ICV588-8000
Misc : GC65359,GKM588,5.0,,,,1
ALS Vial : 19 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 10 09:53:40 2025
Quant Method : C:\MSDCHEM\1\METHODS\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1 H	TPH-GRO (C6-C10)	384.394	383.139 E3	0.3	110	0.00
2 H	TPH-GRO (C6-C12)	330.393	366.797 E3	-11.0	126	0.00
3 S	a,a,a-Trifluorotoluene	794.230	755.724 E3	4.8	100	0.00

Evaluate Continuing Calibration Report - Not Founds

(#) = Out of Range SPCC's out = 0 CCC's out = 0

MKM588.M Fri Oct 10 09:55:36 2025 RPT1

10.8.8 10

Continuing Calibration Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: GKM597-CC588
Lab FileID: KM14250.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\C...2025\GKM597\KM14250.D Vial: 29
Acq On : 20 Oct 2025 10:52 pm Operator: johnn
Sample : cc588-4000 Inst : HP G1530A
Misc : GC65322,GKM597,5.0,,100,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E

Method : C:\msdchem\1\methods\MKM588.M (ChemStation Integrator)
Title : Method SW846 8015C (GRO) .
Last Update : Fri Oct 10 09:53:32 2025
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 H	TPH-GRO (C6-C10)	384.394	383.758 E3	0.2	104	0.00	8.18-14.72
2 H	TPH-GRO (C6-C12)	330.393	329.690 E3	0.2	108	0.00	8.70-15.84
3 S	a,a,a-Trifluorotoluene	794.230	749.155 E3	5.7	102	0.00	10.92-11.02

(#) = Out of Range SPCC's out = 0 CCC's out = 0
KM14016.D MKM588.M Wed Oct 22 00:30:26 2025

10.8.9 10

Continuing Calibration Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: GKM598-CC588
Lab FileID: KM14254.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\r...2-25\GKM598\KM14254.D Vial: 4
Acq On : 21 Oct 2025 10:39 am Operator: johnn
Sample : cc588-8000 Inst : HP G1530A
Misc : GC65322,GKM598,5.0,,100,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E

Method : C:\msdchem\1\methods\MKM588.M (ChemStation Integrator)
Title : Method SW846 8015C (GRO) .
Last Update : Fri Oct 10 09:53:32 2025
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 H	TPH-GRO (C6-C10)	384.394	398.675 E3	-3.7	114	0.00	7.70-14.24
2 H	TPH-GRO (C6-C12)	330.393	346.993 E3	-5.0	119	0.00	7.40-14.54
3 S	a,a,a-Trifluorotoluene	794.230	785.032 E3	1.2	104	0.00	10.93-11.03

(#) = Out of Range SPCC's out = 0 CCC's out = 0
KM14017.D MKM588.M Wed Oct 22 06:53:32 2025

10.8.10 10

Continuing Calibration Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: GKM598-CC588
Lab FileID: KM14264.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\r...2-25\GKM598\KM14264.D Vial: 14
Acq On : 21 Oct 2025 3:55 pm Operator: johnn
Sample : cc588-4000 Inst : HP G1530A
Misc : GC65370,GKM598,5.0,,,,1 Multiplr: 1.00
IntFile : AUTOINT1.E

Method : C:\msdchem\1\methods\MKM588.M (ChemStation Integrator)
Title : Method SW846 8015C (GRO) .
Last Update : Fri Oct 10 09:53:32 2025
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 H	TPH-GRO (C6-C10)	384.394	408.269 E3	-6.2	111	0.00	7.70-14.24
2 H	TPH-GRO (C6-C12)	330.393	364.590 E3	-10.4	119	0.00	7.40-14.54
3 S	a,a,a-Trifluorotoluene	794.230	753.525 E3	5.1	103	0.00	10.93-11.03

(#) = Out of Range SPCC's out = 0 CCC's out = 0
KM14016.D MKM588.M Wed Oct 22 06:54:15 2025

10.8.11 10

Run Sequence Report

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Run ID: GAA3333	**Method:** RSK-175	**Instrument ID:** GCAA

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
GAA3333-IC3333	AA116752.D	07/25/25 13:55	n/a	Initial cal 10
GAA3333-IC3333	AA116753.D	07/25/25 14:13	n/a	Initial cal 20
GAA3333-ICC3333	AA116754.D	07/25/25 14:27	n/a	Initial cal 100
GAA3333-IC3333	AA116755.D	07/25/25 14:40	n/a	Initial cal 200
GAA3333-IC3333	AA116756.D	07/25/25 14:53	n/a	Initial cal 500
GAA3333-IC3333	AA116757.D	07/25/25 15:06	n/a	Initial cal 1000
GAA3333-IC3333	AA116759.D	07/25/25 15:46	n/a	Initial cal 1
GAA3333-IC3333	AA116760.D	07/25/25 15:59	n/a	Initial cal 2
GAA3333-ICV3333	AA116761.D	07/25/25 16:13	n/a	Initial cal verification 100

Run Sequence Report

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Run ID: GAA3393 **Method:** RSK-175 **Instrument ID:** GCAA

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
GAA3393-CC3333	AA118139.D	10/22/25 06:05	n/a	Continuing cal 100
GAA3393-MB	AA118141.D	10/22/25 06:36	n/a	Method Blank
ZZZZZZ	AA118142.D	10/22/25 06:55	n/a	(unrelated sample)
ZZZZZZ	AA118143.D	10/22/25 07:11	n/a	(unrelated sample)
JE20901-3	AA118144.D	10/22/25 07:24	n/a	(used for QC only; not part of job JE21034)
JE20901-3DUP	AA118145.D	10/22/25 07:37	n/a	Duplicate
JE20901-3	AA118146.D	10/22/25 07:50	n/a	(used for QC only; not part of job JE21034)
ZZZZZZ	AA118147.D	10/22/25 08:13	n/a	(unrelated sample)
ZZZZZZ	AA118148.D	10/22/25 08:26	n/a	(unrelated sample)
ZZZZZZ	AA118149.D	10/22/25 08:39	n/a	(unrelated sample)
JE20825-1	AA118150.D	10/22/25 08:52	n/a	(used for QC only; not part of job JE21034)
JE20825-1DUP	AA118151.D	10/22/25 09:05	n/a	Duplicate
JE20825-1	AA118152.D	10/22/25 09:18	n/a	(used for QC only; not part of job JE21034)
ZZZZZZ	AA118153.D	10/22/25 09:31	n/a	(unrelated sample)
ZZZZZZ	AA118154.D	10/22/25 09:44	n/a	(unrelated sample)
ZZZZZZ	AA118155.D	10/22/25 10:00	n/a	(unrelated sample)
ZZZZZZ	AA118156.D	10/22/25 10:14	n/a	(unrelated sample)
JE21034-1	AA118157.D	10/22/25 10:27	n/a	MW-EPA-09 10102025
GAA3393-CC3333	AA118158.D	10/22/25 10:39	n/a	Continuing cal 100
JE21034-6	AA118159.D	10/22/25 10:53	n/a	MW-ORS-01 10102025
JE21034-6	AA118160.D	10/22/25 11:56	n/a	MW-ORS-01 10102025
ZZZZZZ	AA118161.D	10/22/25 12:09	n/a	(unrelated sample)
ZZZZZZ	AA118162.D	10/22/25 12:22	n/a	(unrelated sample)
ZZZZZZ	AA118163.D	10/22/25 12:39	n/a	(unrelated sample)
ZZZZZZ	AA118164.D	10/22/25 12:54	n/a	(unrelated sample)
ZZZZZZ	AA118165.D	10/22/25 13:07	n/a	(unrelated sample)
ZZZZZZ	AA118166.D	10/22/25 13:20	n/a	(unrelated sample)
ZZZZZZ	AA118167.D	10/22/25 13:34	n/a	(unrelated sample)
ZZZZZZ	AA118168.D	10/22/25 13:47	n/a	(unrelated sample)
ZZZZZZ	AA118169.D	10/22/25 14:01	n/a	(unrelated sample)
ZZZZZZ	AA118170.D	10/22/25 14:15	n/a	(unrelated sample)
ZZZZZZ	AA118171.D	10/22/25 14:28	n/a	(unrelated sample)
ZZZZZZ	AA118172.D	10/22/25 14:41	n/a	(unrelated sample)
GAA3393-CC3333	AA118173.D	10/22/25 14:55	n/a	Continuing cal 100
ZZZZZZ	AA118174.D	10/22/25 15:08	n/a	(unrelated sample)
ZZZZZZ	AA118175.D	10/22/25 15:32	n/a	(unrelated sample)
ZZZZZZ	AA118176.D	10/22/25 15:45	n/a	(unrelated sample)
ZZZZZZ	AA118177.D	10/22/25 15:59	n/a	(unrelated sample)
ZZZZZZ	AA118178.D	10/22/25 16:12	n/a	(unrelated sample)
ZZZZZZ	AA118179.D	10/22/25 16:25	n/a	(unrelated sample)
GAA3393-LCS	AA118180.D	10/22/25 16:38	n/a	Laboratory Control Sample
GAA3393-CC3333	AA118181.D	10/22/25 16:52	n/a	Continuing cal 100

Run Sequence Report

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Run ID: GKM588 **Method:** SW846 8015D **Instrument ID:** GCKM

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
GKM588-RT	KM14012.D	10/09/25 14:42	n/a	Retention Time Marker
GKM588-IC588	KM14014.D	10/09/25 15:58	n/a	Initial cal 200
GKM588-IC588	KM14015.D	10/09/25 16:23	n/a	Initial cal 800
GKM588-IC588	KM14016.D	10/09/25 16:49	n/a	Initial cal 4000
GKM588-ICC588	KM14017.D	10/09/25 17:15	n/a	Initial cal 8000
GKM588-IC588	KM14018.D	10/09/25 17:41	n/a	Initial cal 20000
GKM588-IC588	KM14019.D	10/09/25 18:06	n/a	Initial cal 30000
GKM588-ICV588	KM14025.D	10/09/25 20:38	n/a	Initial cal verification 8000

Run Sequence Report

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Run ID: GKM597 **Method:** SW846 8015D **Instrument ID:** GCKM

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
GKM597-RT	KM14224.D	10/20/25 10:26	n/a	Retention Time Marker
GKM597-CC588	KM14225.D	10/20/25 10:51	n/a	Continuing cal 8000
GKM597-MB	KM14226.D	10/20/25 11:41	n/a	Method Blank
GKM597-BS	KM14227.D	10/20/25 12:20	n/a	Blank Spike
JE21445-1	KM14228.D	10/20/25 13:06	n/a	(used for QC only; not part of job JE21034)
ZZZZZZ	KM14229.D	10/20/25 13:30	n/a	(unrelated sample)
ZZZZZZ	KM14230.D	10/20/25 13:55	n/a	(unrelated sample)
ZZZZZZ	KM14231.D	10/20/25 14:19	n/a	(unrelated sample)
ZZZZZZ	KM14232.D	10/20/25 14:44	n/a	(unrelated sample)
JE21445-1MS	KM14233.D	10/20/25 15:37	n/a	Matrix Spike
JE21445-1MSD	KM14234.D	10/20/25 16:01	n/a	Matrix Spike Duplicate
GKM597-CC588	KM14235.D	10/20/25 16:26	n/a	Continuing cal 4000
GKM597-MB2	KM14236.D	10/20/25 17:08	n/a	Method Blank
ZZZZZZ	KM14237.D	10/20/25 17:36	n/a	(unrelated sample)
ZZZZZZ	KM14238.D	10/20/25 18:00	n/a	(unrelated sample)
ZZZZZZ	KM14239.D	10/20/25 18:24	n/a	(unrelated sample)
ZZZZZZ	KM14240.D	10/20/25 18:49	n/a	(unrelated sample)
ZZZZZZ	KM14241.D	10/20/25 19:13	n/a	(unrelated sample)
ZZZZZZ	KM14242.D	10/20/25 19:37	n/a	(unrelated sample)
ZZZZZZ	KM14243.D	10/20/25 20:02	n/a	(unrelated sample)
ZZZZZZ	KM14244.D	10/20/25 20:26	n/a	(unrelated sample)
GKM597-CC588	KM14245.D	10/20/25 20:50	n/a	Continuing cal 8000
GKM597-MB3	KM14246.D	10/20/25 21:15	n/a	Method Blank
ZZZZZZ	KM14247.D	10/20/25 21:39	n/a	(unrelated sample)
ZZZZZZ	KM14248.D	10/20/25 22:04	n/a	(unrelated sample)
ZZZZZZ	KM14249.D	10/20/25 22:28	n/a	(unrelated sample)
GKM597-CC588	KM14250.D	10/20/25 22:52	n/a	Continuing cal 4000

Run Sequence Report

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Run ID: GKM598	**Method:** SW846 8015D	**Instrument ID:** GCKM

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
GKM598-RT	KM14253.D	10/21/25 10:15	n/a	Retention Time Marker
GKM598-CC588	KM14254.D	10/21/25 10:39	n/a	Continuing cal 8000
GKM598-MB	KM14255.D	10/21/25 11:30	n/a	Method Blank
GKM598-BS	KM14256.D	10/21/25 12:04	n/a	Blank Spike
JE20825-1	KM14257.D	10/21/25 12:41	n/a	(used for QC only; not part of job JE21034)
JE21034-1	KM14258.D	10/21/25 13:05	n/a	MW-EPA-09 10102025
JE21034-6	KM14259.D	10/21/25 13:30	n/a	MW-ORS-01 10102025
ZZZZZZ	KM14260.D	10/21/25 13:54	n/a	(unrelated sample)
ZZZZZZ	KM14261.D	10/21/25 14:19	n/a	(unrelated sample)
JE20825-1MS	KM14262.D	10/21/25 15:06	n/a	Matrix Spike
JE20825-1MSD	KM14263.D	10/21/25 15:30	n/a	Matrix Spike Duplicate
GKM598-CC588	KM14264.D	10/21/25 15:55	n/a	Continuing cal 4000
GKM598-MB2	KM14265.D	10/21/25 16:29	n/a	Method Blank
ZZZZZZ	KM14266.D	10/21/25 17:11	n/a	(unrelated sample)
ZZZZZZ	KM14267.D	10/21/25 17:36	n/a	(unrelated sample)
GKM598-CC588	KM14268.D	10/21/25 18:01	n/a	Continuing cal 8000

GC Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Oct 2025\10-22-25\GKM598\
Data File : KM14258.D
Signal(s) : FID1A.CH
Acq On : 21 Oct 2025 1:05 pm
Operator : johnn
Sample : je21034-1
Misc : GC65400,GKM598,5.0,,,,1
ALS Vial : 8 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 22 06:55:05 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) S a,a,a-Trifluorotoluene	10.980	207889928	261.750 ug/l
Spiked Amount 300.000	Range 70 - 116	Recovery = 87.25%	
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

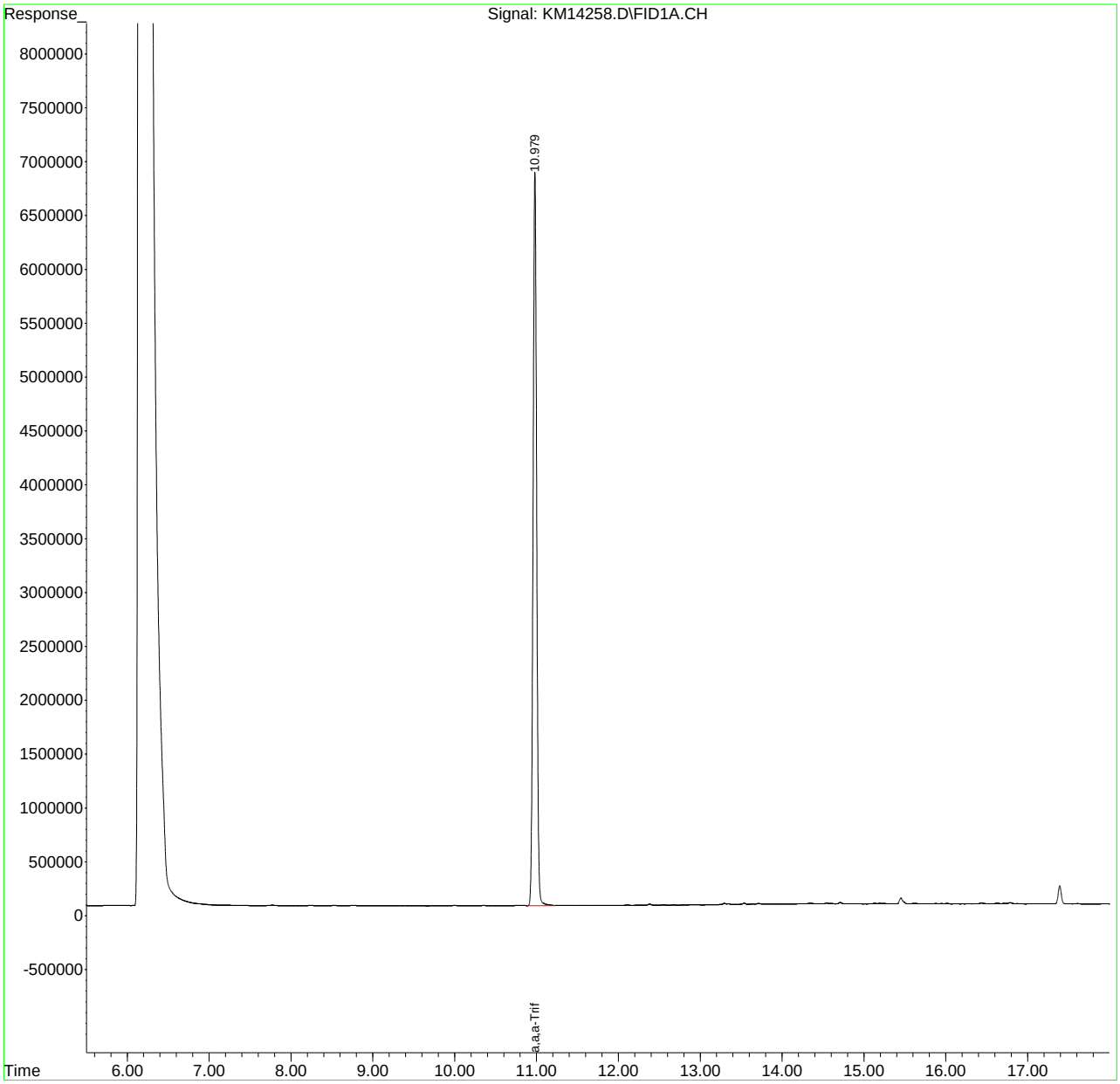
11.1.1 11

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Oct 2025\10-22-25\GKM598\
Data File : KM14258.D
Signal(s) : FID1A.CH
Acq On : 21 Oct 2025 1:05 pm
Operator : johnn
Sample : je21034-1
Misc : GC65400,GKM598,5.0,,,,1
ALS Vial : 8 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 22 06:55:05 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Oct 2025\10-22-25\GKM598\
Data File : KM14259.D
Signal(s) : FID1A.CH
Acq On : 21 Oct 2025 1:30 pm
Operator : johnn
Sample : je21034-6
Misc : GC65400,GKM598,5.0,,,,1
ALS Vial : 9 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 22 06:56:06 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) S a,a,a-Trifluorotoluene	10.979	211365469	266.126 ug/l
Spiked Amount 300.000	Range 70 - 116	Recovery = 88.71%	
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

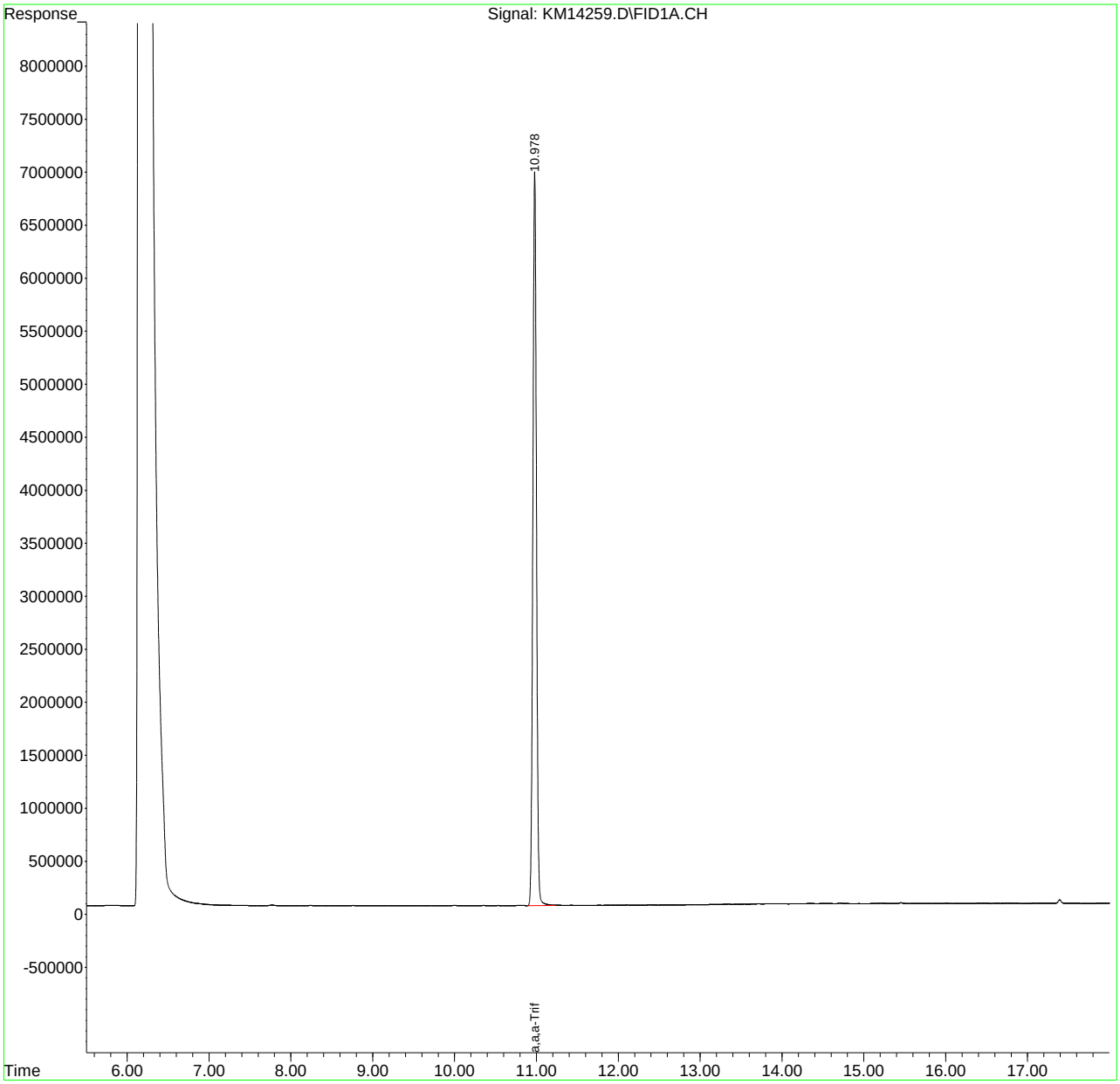
11.1.2
11

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Oct 2025\10-22-25\GKM598\
Data File : KM14259.D
Signal(s) : FID1A.CH
Acq On : 21 Oct 2025 1:30 pm
Operator : johnn
Sample : je21034-6
Misc : GC65400,GKM598,5.0,,,,1
ALS Vial : 9 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 22 06:56:06 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um



Manual Integrations APPROVED
(compounds with "m" flag)
Kanya Veerawat
10/22/25 20:57

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118157.d
Signal(s) : FID1A.ch
Acq On : 22 Oct 2025 10:27 am
Operator : williamc
Sample : je21034-1
Misc : GC65402,GAA3393,,,,,1
ALS Vial : 19 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 22 10:37:54 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	1.332	8165399	498.152	PPMV
2)	Ethane	1.733	33284	1.072	PPMV m

(f)=RT Delta > 1/2 Window (m)=manual int.

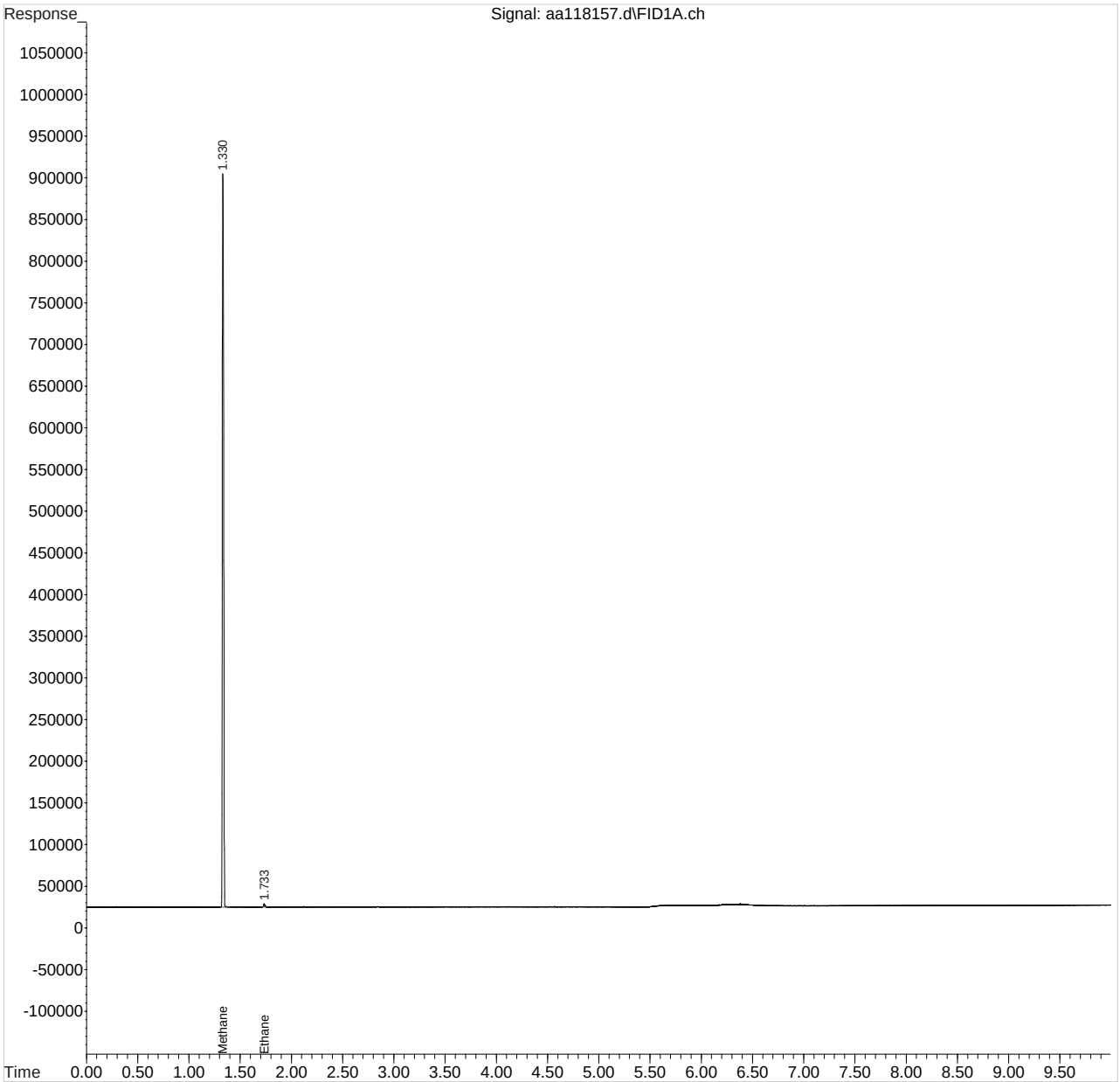
11.1.3 11

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118157.d
Signal(s) : FID1A.ch
Acq On : 22 Oct 2025 10:27 am
Operator : williamc
Sample : je21034-1
Misc : GC65402,GAA3393,,,,,1
ALS Vial : 19 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 22 10:37:54 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



Manual Integration Approval Summary

Sample Number: JE21034-1
Lab FileID: AA118157.D
Injection Time: 10/22/25 10:27

Method: RSK-175
Analyst approved: 10/22/25 17:26 William Cruser
Supervisor approved: 10/22/25 20:57 Kanya Veerawat

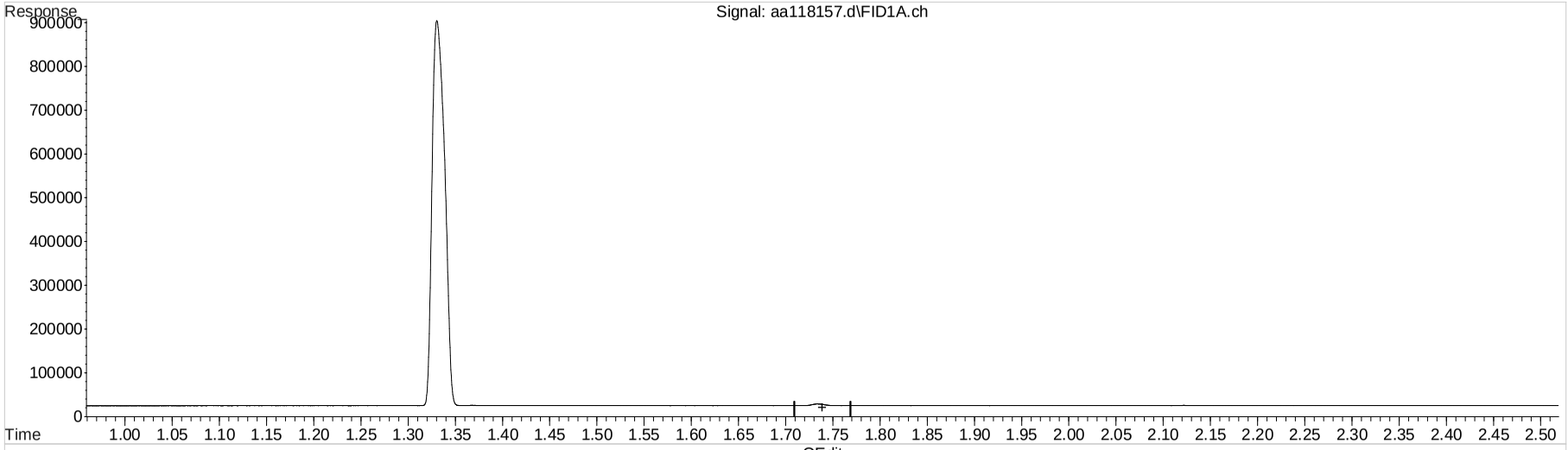
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethane	74-84-0	1	1.73	Missed peak

Quantitation Report (Qedit)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118157.d
Signal(s) : FID1A.ch
Acq On : 22 Oct 2025 10:27 am
Operator : williamc
Sample : je21034-1
Misc : GC65402,GAA3393,,,,,1
ALS Vial : 19 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 22 10:37:15 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



(2) Ethane
1.739min 0.000PPMV
response 0

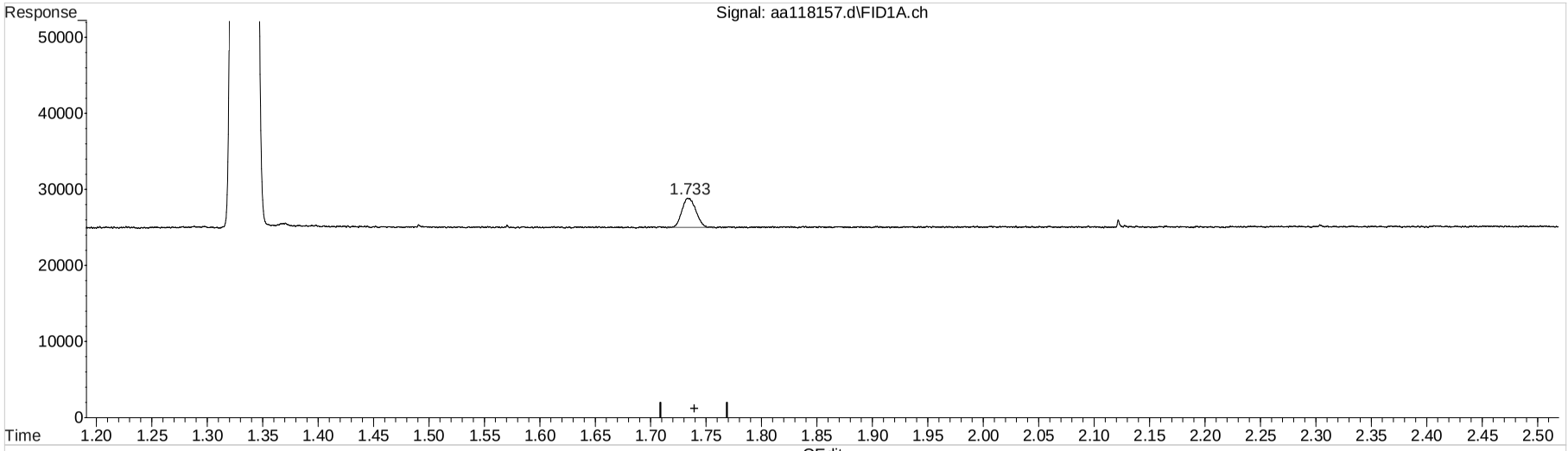
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118157.d
Signal(s) : FID1A.ch
Acq On : 22 Oct 2025 10:27 am
Operator : williamc
Sample : je21034-1
Misc : GC65402,GAA3393,,,,,1
ALS Vial : 19 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 22 10:37:15 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



(2) Ethane
1.733min 1.072PPMV m
response 33284

(+) = Expected Retention Time

Dissolved Gas Calculation Worksheet

Data File Name **aa118157.d**
Date Acquired **10/22/2025 10:27**
Sample Name **je21034-1**
Sample Multiplier **1**
Temperature(C) **24**
Headspace Vol. (cc) **5**
Sample Vol(cc) **39**

Compound	MW	Molar Volume(L)	Water g-moles/L	Temp K	Corrected Gas dens.	Peak Area	Helium Blank	Headspace (ppmv)*	Headspace (ug/l)	Water (ug/l)	Henry's Constant	Saturation Conc.(ug/l)	Total (ug/L)	MDL (ug/l)	Report (ug/l)
METHANE	16	22.4	55.5	297	24.37	8165399	4647	497.87	326.88	41.91	40560	10.900	52.81	0.08	**52.81**
ETHANE	30	22.4	55.5	297	24.37	33284	0	1.07	1.32	0.17	29420	0.061	0.230	0.14	**0.230**
ETHYLENE	28	22.4	55.5	297	24.29	0	0	#DIV/0!	#DIV/0!	#DIV/0!	11160	#DIV/0!	#DIV/0!	0.16	**#DIV/0!**
PROPANE	44	22.4	55.5	297	24.29	0	0	#DIV/0!	#DIV/0!	#DIV/0!	35857	#DIV/0!	#DIV/0!	0.07	**#DIV/0!**

*** ppmv is corrected for helium blank background peak area**

Definitions,

Molar Volume	The volume of 1 mole of any gas at standard temperature and pressure(STP)
Water g/Moles	1 Liter of water is equal to 55.5g-moles
Temp-kelvin	Is defined as 273 + degress C
Corrected Gas Density	Gas density corrected for temperature is equal to (molar volume) x (temp-k/273)
Headspace conc(ug/l)	Is equal to (ppmv reading) x (mw/corrected gas density)
Water Concentration(ug/l)	Is equal to headspace conc(ug/l) x headspace vol/sample vol
Saturation Concentration(ug/l)	Gas which remains at equilibrium in the sample is equal to (headspace conc-ppm) x (mw) x (55.5)/(Henry's Constant)

Henry's Constants

temp-c	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43460	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Oxygen	40100	40840	41580	42320	43060	43800	44540	45280	46020	46760	47500
CO	52600	53680	54760	55840	56920	58000	58800	59600	60400	61200	62000
CO2	14200	14640	15080	15520	15960	16400	16840	17280	17720	18160	18600
Nitrogen	80400	81620	82840	84060	85280	86500	87680	88860	90040	91220	92400
Hydrogen	68300	68780	69260	69740	70220	70700	71140	71580	72020	72460	72900
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118159.d
Signal(s) : FID1A.ch
Acq On : 22 Oct 2025 10:53 am
Operator : williamc
Sample : je21034-6
Misc : GC65402,GAA3393,,,,,1
ALS Vial : 21 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 22 11:03:46 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	1.332	42141120	2570.930	PPMV

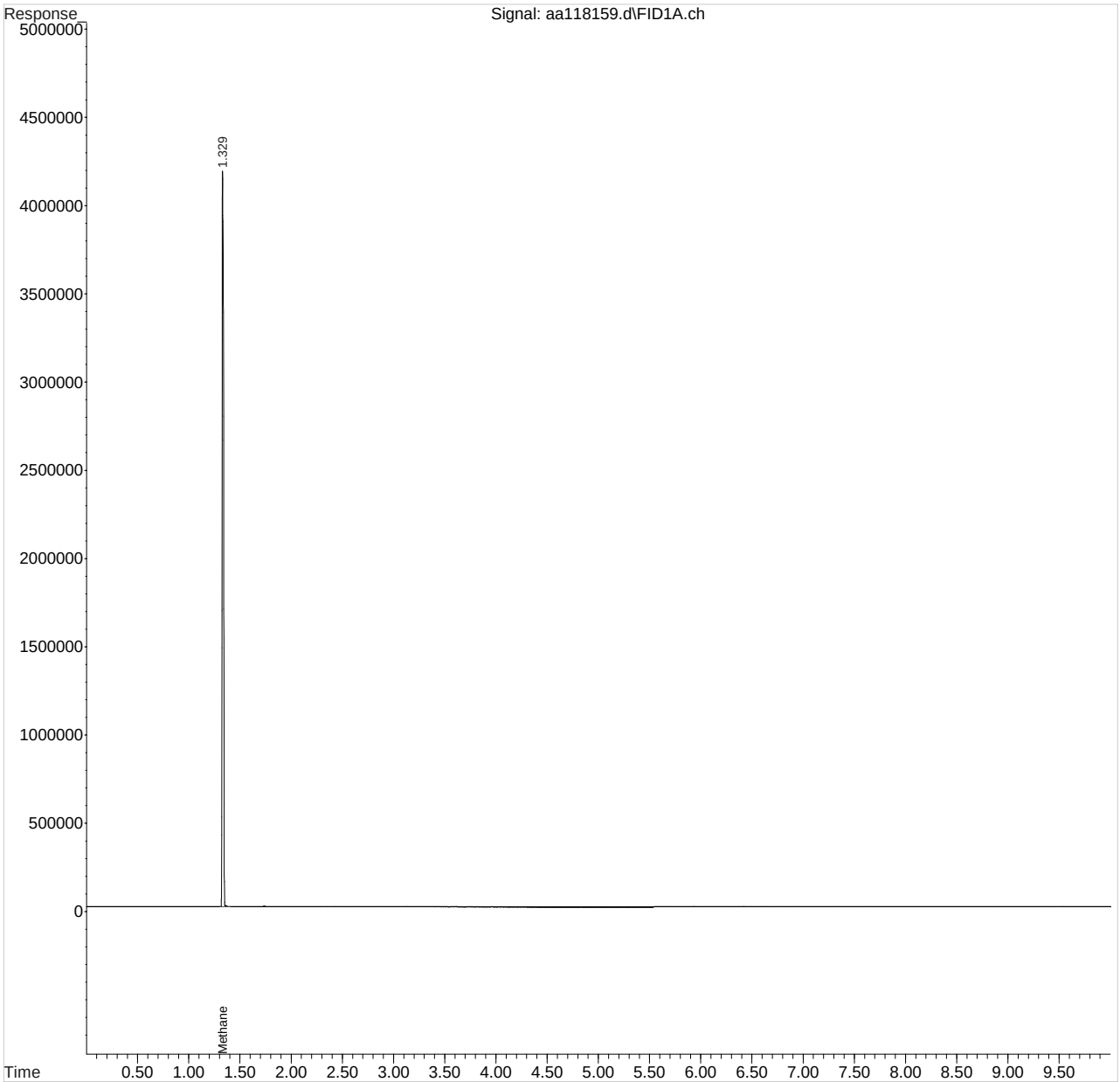
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118159.d
Signal(s) : FID1A.ch
Acq On : 22 Oct 2025 10:53 am
Operator : williamc
Sample : je21034-6
Misc : GC65402,GAA3393,,,,,1
ALS Vial : 21 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 22 11:03:46 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



Dissolved Gas Calculation Worksheet

Data File Name **aa118159.d**
Date Acquired **10/22/2025 10:53**
Sample Name **je21034-6**
Sample Multiplier **1**
Temperature(C) **24**
Headspace Vol. (cc) **5**
Sample Vol(cc) **39**

Compound	MW	Molar Volume(L)	Water g-moles/L	Temp K	Corrected Gas dens.	Peak Area	Helium Blank	Headspace (ppmv)*	Headspace (ug/l)	Water (ug/l)	Henry's Constant	Saturation Conc.(ug/l)	Total (ug/L)	MDL (ug/l)	Report (ug/l)
METHANE	16	22.4	55.5	297	24.37	42141120	4647	2570.65	1687.80	216.38	40560	56.280	272.66	0.08	**272.66**
ETHANE	30	22.4	55.5	297	24.37	0	0	#DIV/0!	#DIV/0!	#DIV/0!	29420	#DIV/0!	#DIV/0!	0.14	**#DIV/0!**
ETHYLENE	28	22.4	55.5	297	24.29	0	0	#DIV/0!	#DIV/0!	#DIV/0!	11160	#DIV/0!	#DIV/0!	0.16	**#DIV/0!**
PROPANE	44	22.4	55.5	297	24.29	0	0	#DIV/0!	#DIV/0!	#DIV/0!	35857	#DIV/0!	#DIV/0!	0.07	**#DIV/0!**

*** ppmv is corrected for helium blank background peak area**

Definitions,

Molar Volume	**The volume of 1 mole of any gas at standard temperature and pressure(STP)**
Water g/Moles	**1 Liter of water is equal to 55.5g-moles**
Temp-kelvin	**Is defined as 273 + degress C**
Corrected Gas Density	**Gas density corrected for temperature is equal to (molar volume) x (temp-k/273)**
Headspace conc(ug/l)	**Is equal to (ppmv reading) x (mw/corrected gas density)**
Water Concentration(ug/l)	**Is equal to headspace conc(ug/l) x headspace vol/sample vol**
Saturation Concentration(ug/l)	**Gas which remains at equilibrium in the sample is equal to (headspace conc-ppm) x (mw) x (55.5)/(Henry's Constant)**

Henry's Constants

temp-c	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43460	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Oxygen	40100	40840	41580	42320	43060	43800	44540	45280	46020	46760	47500
CO	52600	53680	54760	55840	56920	58000	58800	59600	60400	61200	62000
CO2	14200	14640	15080	15520	15960	16400	16840	17280	17720	18160	18600
Nitrogen	80400	81620	82840	84060	85280	86500	87680	88860	90040	91220	92400
Hydrogen	68300	68780	69260	69740	70220	70700	71140	71580	72020	72460	72900
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118160.d
Signal(s) : FID1A.ch
Acq On : 22 Oct 2025 11:56 am
Operator : williamc
Sample : je21034-6
Misc : GC65402,GAA3393,,,,,10
ALS Vial : 22 Sample Multiplier: 10

Integration File: autoint1.e
Quant Time: Oct 22 12:06:32 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	1.340	5213400	3180.572	PPMV

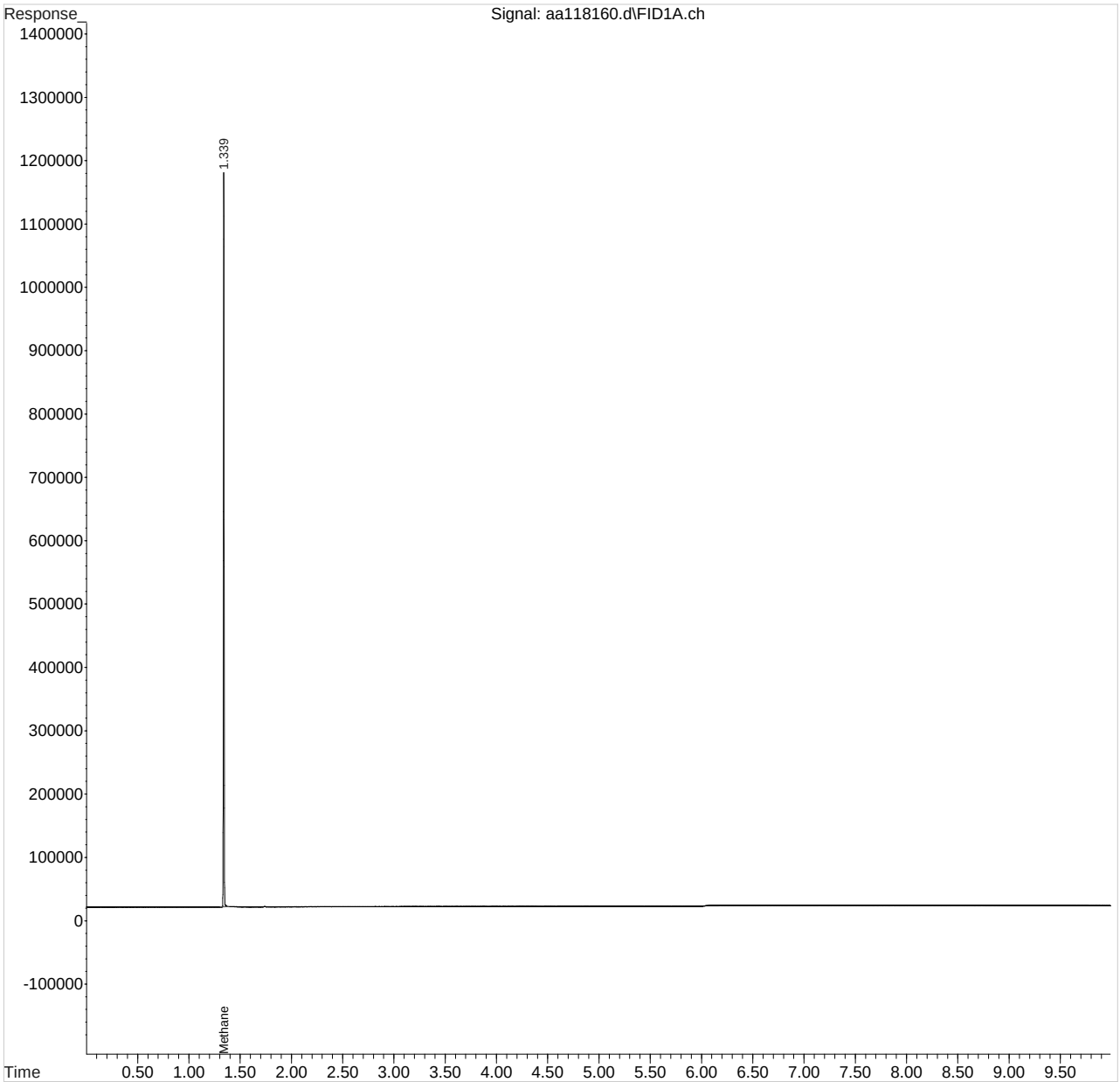
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118160.d
Signal(s) : FID1A.ch
Acq On : 22 Oct 2025 11:56 am
Operator : williamc
Sample : je21034-6
Misc : GC65402,GAA3393,,,,,10
ALS Vial : 22 Sample Multiplier: 10

Integration File: autoint1.e
Quant Time: Oct 22 12:06:32 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



Dissolved Gas Calculation Worksheet

Data File Name **aa118160.d**
Date Acquired **10/22/2025 11:56**
Sample Name **je21034-6**
Sample Multiplier **10**
Temperature(C) **24**
Headspace Vol. (cc) **5**
Sample Vol(cc) **39**

Compound	MW	Molar Volume(L)	Water g-moles/L	Temp K	Corrected Gas dens.	Peak Area	Helium Blank	Headspace (ppmv)*	Headspace (ug/l)	Water (ug/l)	Henry's Constant	Saturation Conc.(ug/l)	Total (ug/L)	MDL (ug/l)	Report (ug/l)
METHANE	16	22.4	55.5	297	24.37	5213400	4647	3177.74	2086.39	267.49	40560	69.572	337.06	0.80	**337.06**
ETHANE	30	22.4	55.5	297	24.37	0	0	#DIV/0!	#DIV/0!	#DIV/0!	29420	#DIV/0!	#DIV/0!	1.40	**#DIV/0!**
ETHYLENE	28	22.4	55.5	297	24.29	0	0	#DIV/0!	#DIV/0!	#DIV/0!	11160	#DIV/0!	#DIV/0!	1.60	**#DIV/0!**
PROPANE	44	22.4	55.5	297	24.29	0	0	#DIV/0!	#DIV/0!	#DIV/0!	35857	#DIV/0!	#DIV/0!	0.70	**#DIV/0!**

*** ppmv is corrected for helium blank background peak area**

Definitions,

Molar Volume	**The volume of 1 mole of any gas at standard temperature and pressure(STP)**
Water g/Moles	**1 Liter of water is equal to 55.5g-moles**
Temp-kelvin	**Is defined as 273 + degress C**
Corrected Gas Density	**Gas density corrected for temperature is equal to (molar volume) x (temp-k/273)**
Headspace conc(ug/l)	**Is equal to (ppmv reading) x (mw/corrected gas density)**
Water Concentration(ug/l)	**Is equal to headspace conc(ug/l) x headspace vol/sample vol**
Saturation Concentration(ug/l)	**Gas which remains at equilibrium in the sample is equal to (headspace conc-ppm) x (mw) x (55.5)/(Henry's Constant)**

Henry's Constants

temp-c	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43460	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Oxygen	40100	40840	41580	42320	43060	43800	44540	45280	46020	46760	47500
CO	52600	53680	54760	55840	56920	58000	58800	59600	60400	61200	62000
CO2	14200	14640	15080	15520	15960	16400	16840	17280	17720	18160	18600
Nitrogen	80400	81620	82840	84060	85280	86500	87680	88860	90040	91220	92400
Hydrogen	68300	68780	69260	69740	70220	70700	71140	71580	72020	72460	72900
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Oct 2025\10-22-25\GKM598\
Data File : KM14255.D
Signal(s) : FID1A.CH
Acq On : 21 Oct 2025 11:30 am
Operator : johnn
Sample : mb
Misc : GC65400,GKM598,5.0,,,,1
ALS Vial : 5 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 22 06:54:38 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) S a,a,a-Trifluorotoluene	10.980	205729486	259.030 ug/l
Spiked Amount 300.000	Range 70 - 116	Recovery = 86.34%	
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

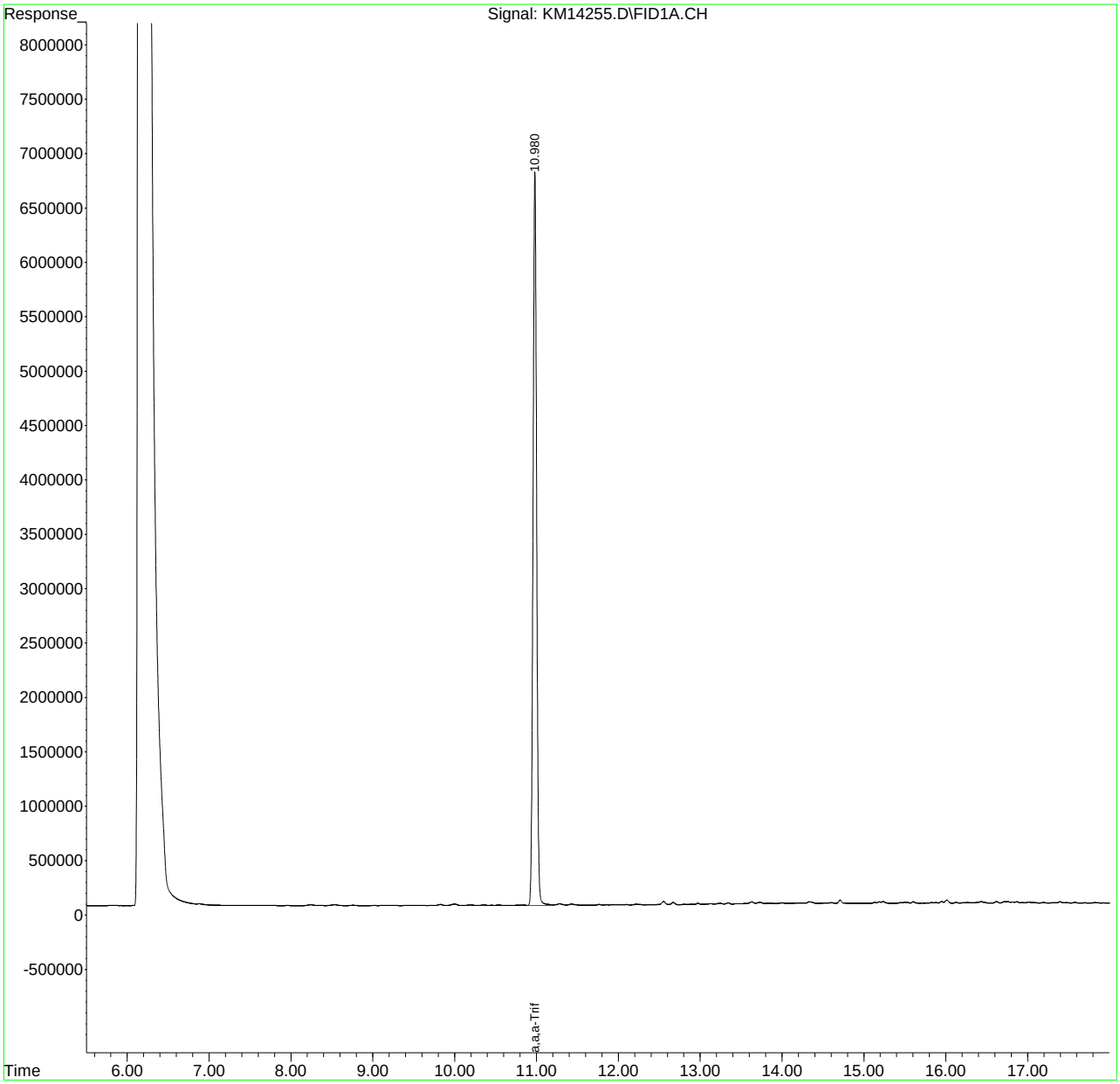
11.2.1 11

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Oct 2025\10-22-25\GKM598\
Data File : KM14255.D
Signal(s) : FID1A.CH
Acq On : 21 Oct 2025 11:30 am
Operator : johnn
Sample : mb
Misc : GC65400,GKM598,5.0,,,,1
ALS Vial : 5 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 22 06:54:38 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 10/22/25 20:39

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118141.d
Signal(s) : FID1A.ch
Acq On : 22 Oct 2025 6:36 am
Operator : williamc
Sample : mb
Misc : GC65408,GAA3393,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 22 06:53:36 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df

	Compound	R.T.	Response	Conc Units
Target Compounds				
1)	Methane	1.321f	4668	0.285 PPMV m

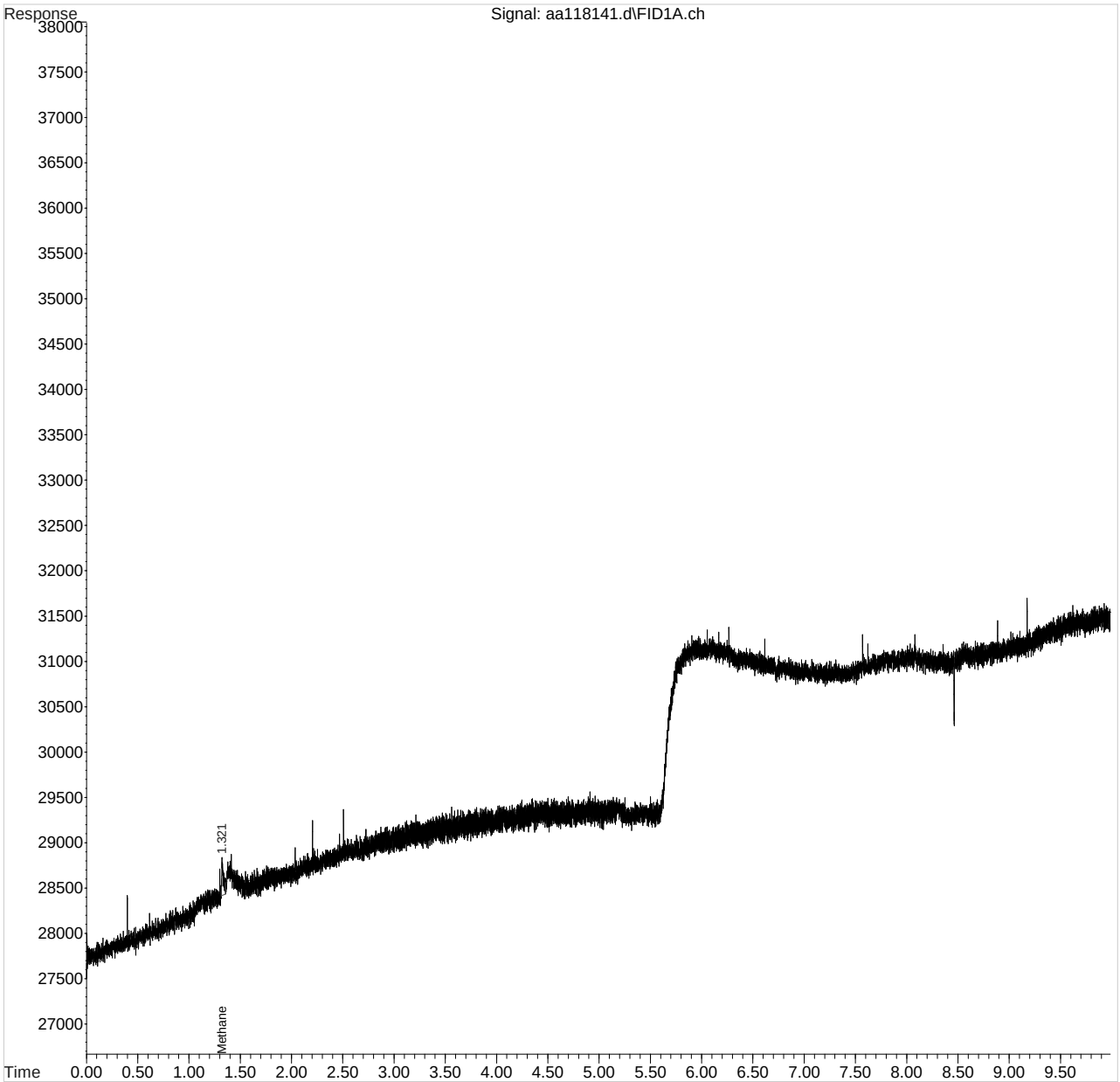
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118141.d
Signal(s) : FID1A.ch
Acq On : 22 Oct 2025 6:36 am
Operator : williamc
Sample : mb
Misc : GC65408,GAA3393,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 22 06:53:36 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



Manual Integration Approval Summary

Sample Number: GAA3393-MB
Lab FileID: AA118141.D
Injection Time: 10/22/25 06:36
Method: RSK-175
Analyst approved: 10/22/25 17:26 William Cruser
Supervisor approved: 10/22/25 20:39 Kanya Veerawat

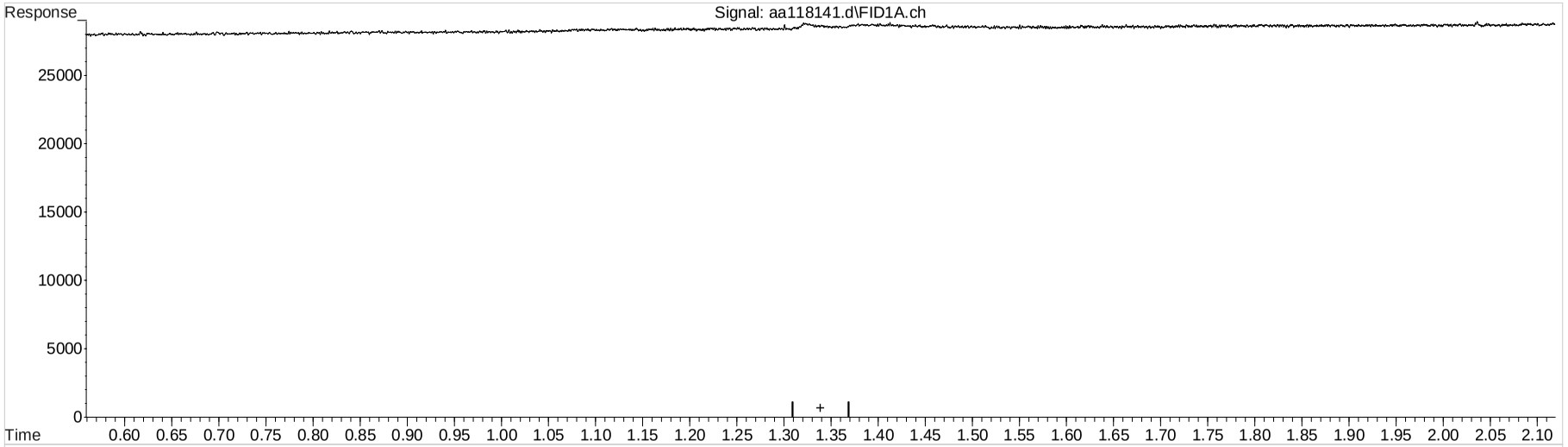
Parameter	CAS	Sig#	R.T. (min.)	Reason
Methane	74-82-8	1	1.32	Missed peak

Quantitation Report (Qedit)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118141.d
Signal(s) : FID1A.ch
Acq On : 22 Oct 2025 6:36 am
Operator : williamc
Sample : mb
Misc : GC65408,GAA3393,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 22 06:46:55 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



(1) Methane
1.339min 0.000PPMV
response 0

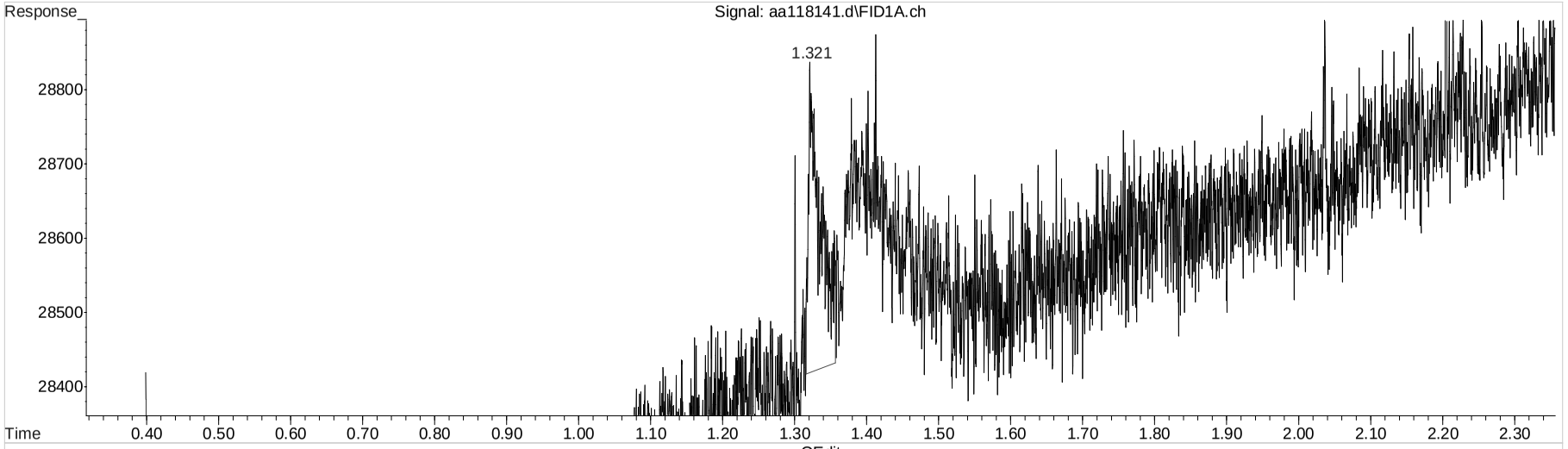
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118141.d
Signal(s) : FID1A.ch
Acq On : 22 Oct 2025 6:36 am
Operator : williamc
Sample : mb
Misc : GC65408,GAA3393,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 22 06:46:55 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



(1) Methane
1.321min 0.285PPMV m
response 4668

(+) = Expected Retention Time

Dissolved Gas Calculation Worksheet

Data File Name **aa118141.d**
Date Acquired **10/22/2025 6:36**
Sample Name **mb**
Sample Multiplier **1**
Temperature(C) **24**
Headspace Vol. (cc) **5**
Sample Vol(cc) **38**

Compound	MW	Molar Volume(L)	Water g-moles/L	Temp K	Corrected Gas dens.	Peak Area	Helium Blank	Headspace (ppmv)*	Headspace (ug/l)	Water (ug/l)	Henry's Constant	Saturation Conc.(ug/l)	Total (ug/L)	MDL (ug/l)	Report (ug/l)
METHANE	16	22.4	55.5	297	24.37	4667.969	4647	0.00	0.00	0.00	40560	0.000	0.00	0.08	**ND**
ETHANE	30	22.4	55.5	297	24.37	0	0	#DIV/0!	#DIV/0!	#DIV/0!	29420	#DIV/0!	#DIV/0!	0.14	**#DIV/0!**
ETHYLENE	28	22.4	55.5	297	24.29	0	0	#DIV/0!	#DIV/0!	#DIV/0!	11160	#DIV/0!	#DIV/0!	0.16	**#DIV/0!**
PROPANE	44	22.4	55.5	297	24.29	0	0	#DIV/0!	#DIV/0!	#DIV/0!	35857	#DIV/0!	#DIV/0!	0.07	**#DIV/0!**

*** ppmv is corrected for helium blank background peak area**

Definitions,

Molar Volume	The volume of 1 mole of any gas at standard temperature and pressure(STP)
Water g/Moles	1 Liter of water is equal to 55.5g-moles
Temp-kelvin	Is defined as 273 + degress C
Corrected Gas Density	Gas density corrected for temperature is equal to (molar volume) x (temp-k/273)
Headspace conc(ug/l)	Is equal to (ppmv reading) x (mw/corrected gas density)
Water Concentration(ug/l)	Is equal to headspace conc(ug/l) x headspace vol/sample vol
Saturation Concentration(ug/l)	Gas which remains at equilibrium in the sample is equal to (headspace conc-ppm) x (mw) x (55.5)/(Henry's Constant)

Henry's Constants

temp-c	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43460	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Oxygen	40100	40840	41580	42320	43060	43800	44540	45280	46020	46760	47500
CO	52600	53680	54760	55840	56920	58000	58800	59600	60400	61200	62000
CO2	14200	14640	15080	15520	15960	16400	16840	17280	17720	18160	18600
Nitrogen	80400	81620	82840	84060	85280	86500	87680	88860	90040	91220	92400
Hydrogen	68300	68780	69260	69740	70220	70700	71140	71580	72020	72460	72900
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Oct 2025\10-22-25\GKM598\
Data File : KM14256.D
Signal(s) : FID1A.CH
Acq On : 21 Oct 2025 12:04 pm
Operator : johnn
Sample : bs
Misc : GC65400,GKM598,5.0,,,,1
ALS Vial : 6 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 22 06:49:12 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) S a,a,a-Trifluorotoluene	10.979	228590838	287.814 ug/l
Spiked Amount 300.000	Range 70 - 116	Recovery = 95.94%	
Target Compounds			
1) H TPH-GRO (C6-C10)	10.970	3247333205	8447.934 ug/l
2) H TPH-GRO (C6-C12)	10.970	3114434627	9426.464 ug/l

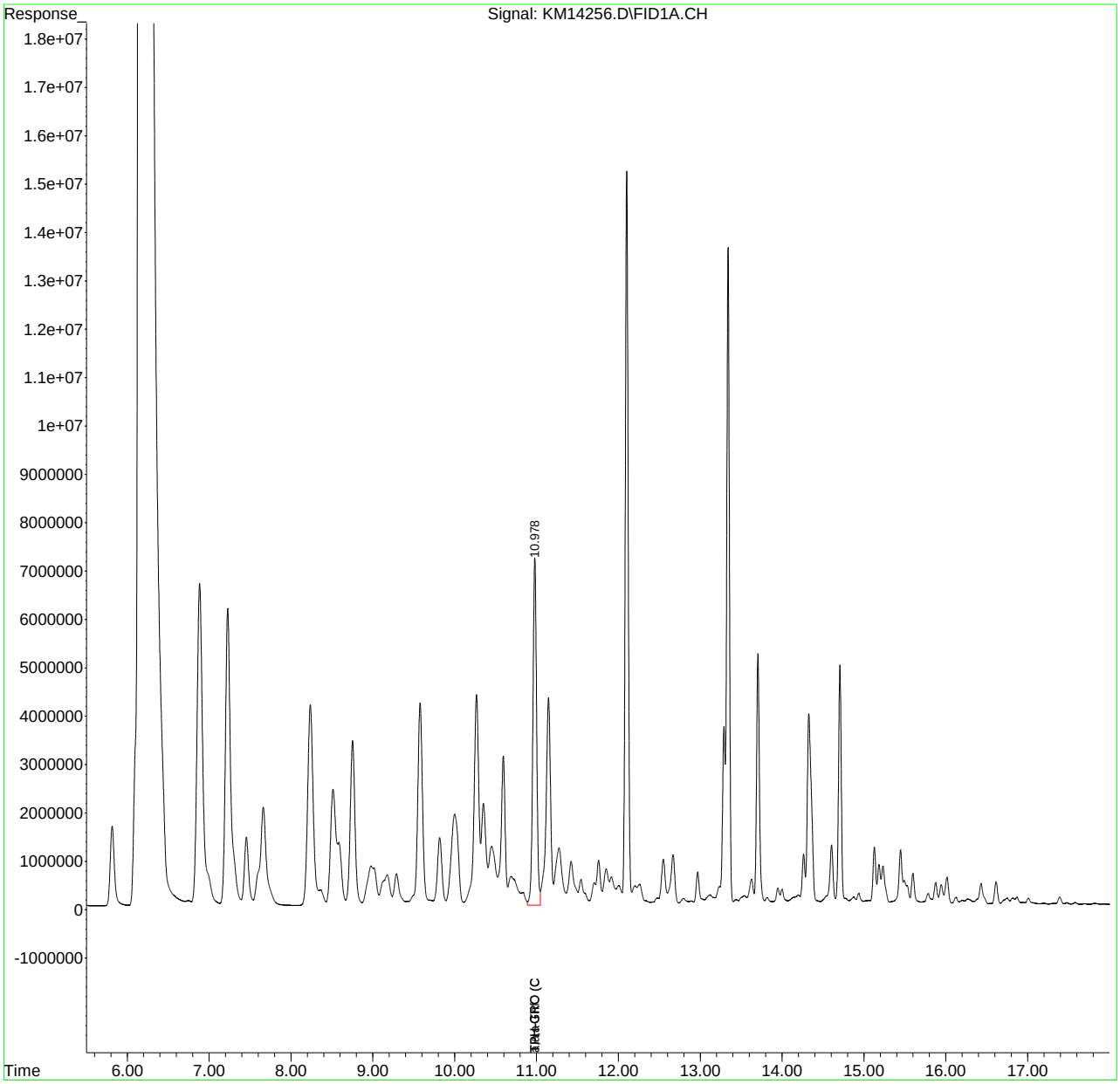
(f)=RT Delta > 1/2 Window (m)=manual int.

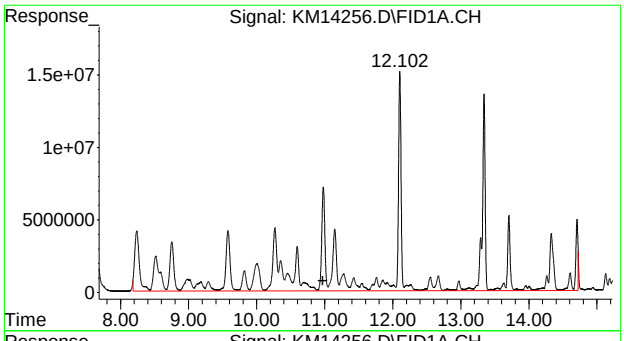
Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Oct 2025\10-22-25\GKM598\
Data File : KM14256.D
Signal(s) : FID1A.CH
Acq On : 21 Oct 2025 12:04 pm
Operator : johnn
Sample : bs
Misc : GC65400,GKM598,5.0,,,,1
ALS Vial : 6 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 22 06:49:12 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

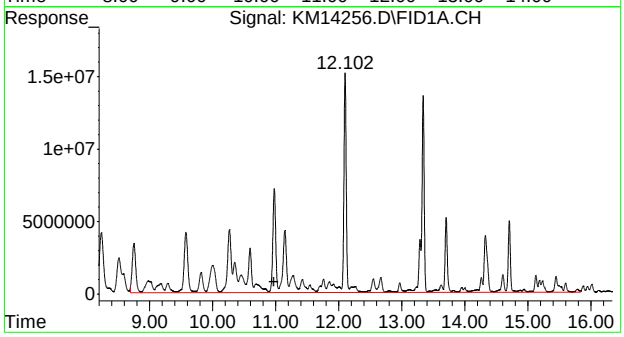
Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um





#1 TPH-GRO (C6-C10)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 3247333205
Conc: 8447.93 ug/l



#2 TPH-GRO (C6-C12)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 3114434627
Conc: 9426.46 ug/l

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118180.d
Signal(s) : FID1A.ch
Acq On : 22 Oct 2025 4:38 pm
Operator : williamc
Sample : lcs
Misc : GC65392,GAA3393,,,,,1
ALS Vial : 42 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 22 16:48:53 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df

	Compound	R.T.	Response	Conc Units
Target Compounds				
1)	Methane	1.338	1485214	90.609 PPMV
2)	Ethane	1.738	2857127	92.041 PPMV
3)	Ethene	2.412	2861010	91.583 PPMV
4)	Propane	2.841	4048978	85.234 PPMV

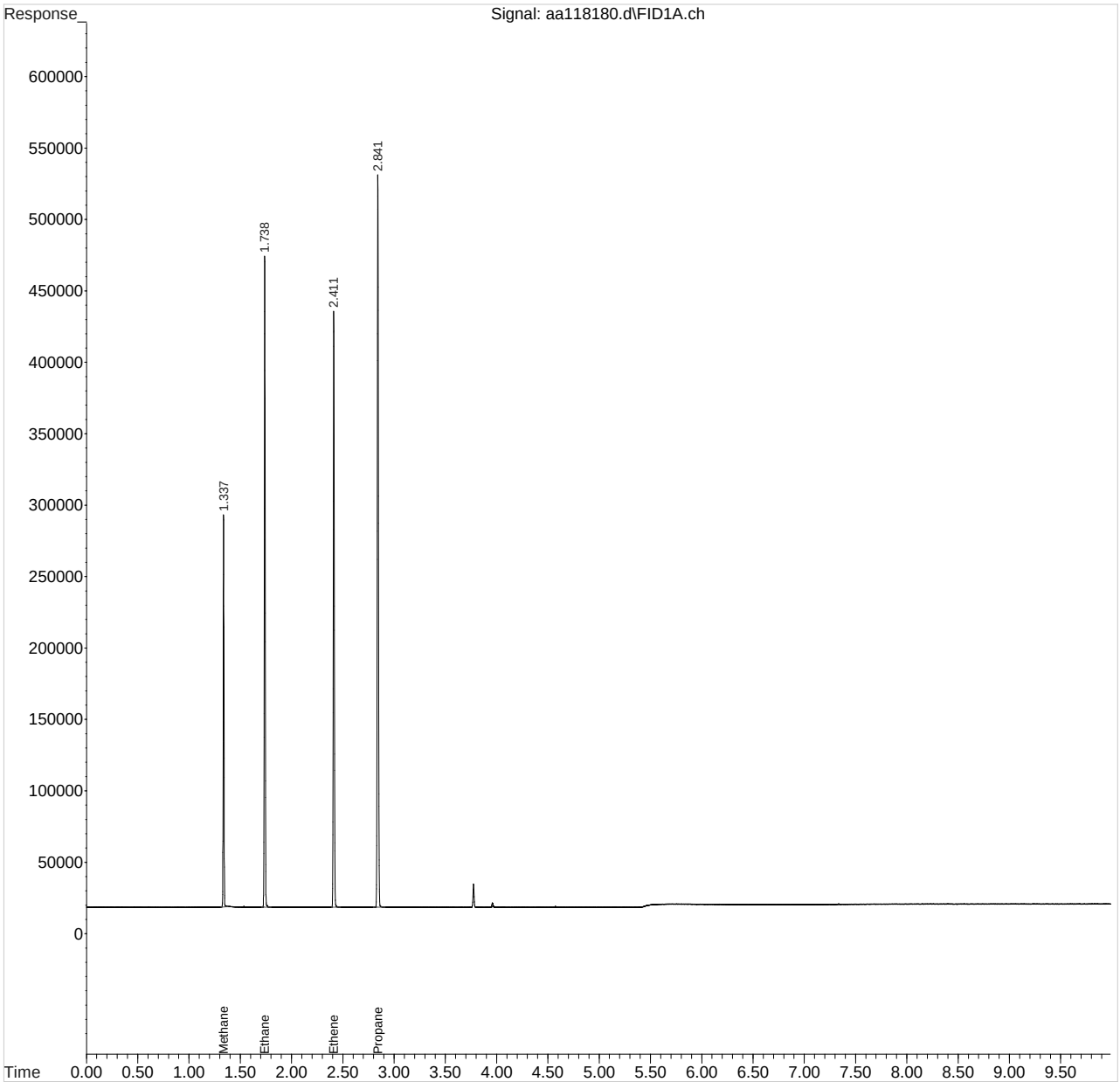
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118180.d
Signal(s) : FID1A.ch
Acq On : 22 Oct 2025 4:38 pm
Operator : williamc
Sample : lcs
Misc : GC65392,GAA3393,,,,,1
ALS Vial : 42 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 22 16:48:53 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



Dissolved Gas Calculation Worksheet

Data File Name **aa118180.d**
Date Acquired **10/22/2025 16:38**
Sample Name **lcs**
Sample Multiplier **1**
Temperature(C) **24**
Headspace Vol. (cc) **5**
Sample Vol(cc) **38**

Compound	MW	Molar Volume(L)	Water g-moles/L	Temp K	Corrected Gas dens.	Peak Area	Helium Blank	Headspace (ppmv)*	Headspace (ug/l)	Water (ug/l)	Henry's Constant	Saturation Conc.(ug/l)	Total (ug/L)	MDL (ug/l)	Report (ug/l)
METHANE	16	22.4	55.5	297	24.37	1485214	0	90.61	59.49	7.83	40560	1.984	9.81	0.08	**9.81**
ETHANE	30	22.4	55.5	297	24.37	2857127	0	92.04	113.31	14.91	29420	5.209	20.118	0.14	**20.118**
ETHYLENE	28	22.4	55.5	297	24.29	2861010	0	91.58	105.23	13.85	11160	12.753	26.599	0.16	**26.599**
PROPANE	44	22.4	55.5	297	24.29	4048978	0	85.23	153.90	20.25	35857	5.805	26.054	0.07	**26.054**

*** ppmv is corrected for helium blank background peak area**

Definitions,

Molar Volume	**The volume of 1 mole of any gas at standard temperature and pressure(STP)**
Water g/Moles	**1 Liter of water is equal to 55.5g-moles**
Temp-kelvin	**Is defined as 273 + degress C**
Corrected Gas Density	**Gas density corrected for temperature is equal to (molar volume) x (temp-k/273)**
Headspace conc(ug/l)	**Is equal to (ppmv reading) x (mw/corrected gas density)**
Water Concentration(ug/l)	**Is equal to headspace conc(ug/l) x headspace vol/sample vol**
Saturation Concentration(ug/l)	**Gas which remains at equilibrium in the sample is equal to (headspace conc-ppm) x (mw) x (55.5)/(Henry's Constant)**

Henry's Constants

temp-c	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43460	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Oxygen	40100	40840	41580	42320	43060	43800	44540	45280	46020	46760	47500
CO	52600	53680	54760	55840	56920	58000	58800	59600	60400	61200	62000
CO2	14200	14640	15080	15520	15960	16400	16840	17280	17720	18160	18600
Nitrogen	80400	81620	82840	84060	85280	86500	87680	88860	90040	91220	92400
Hydrogen	68300	68780	69260	69740	70220	70700	71140	71580	72020	72460	72900
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Oct 2025\10-22-25\GKM598\
Data File : KM14262.D
Signal(s) : FID1A.CH
Acq On : 21 Oct 2025 3:06 pm
Operator : johnn
Sample : je20825-1ms
Misc : GC65370,GKM598,5.0,,,,1
ALS Vial : 12 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 22 06:49:37 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) S a,a,a-Trifluorotoluene	10.979	243579081	306.686 ug/l
Spiked Amount 300.000	Range 70 - 116	Recovery = 102.23%	
Target Compounds			
1) H TPH-GRO (C6-C10)	10.970	3776368952	9824.220 ug/l
2) H TPH-GRO (C6-C12)	10.970	3779598019	11439.715 ug/l

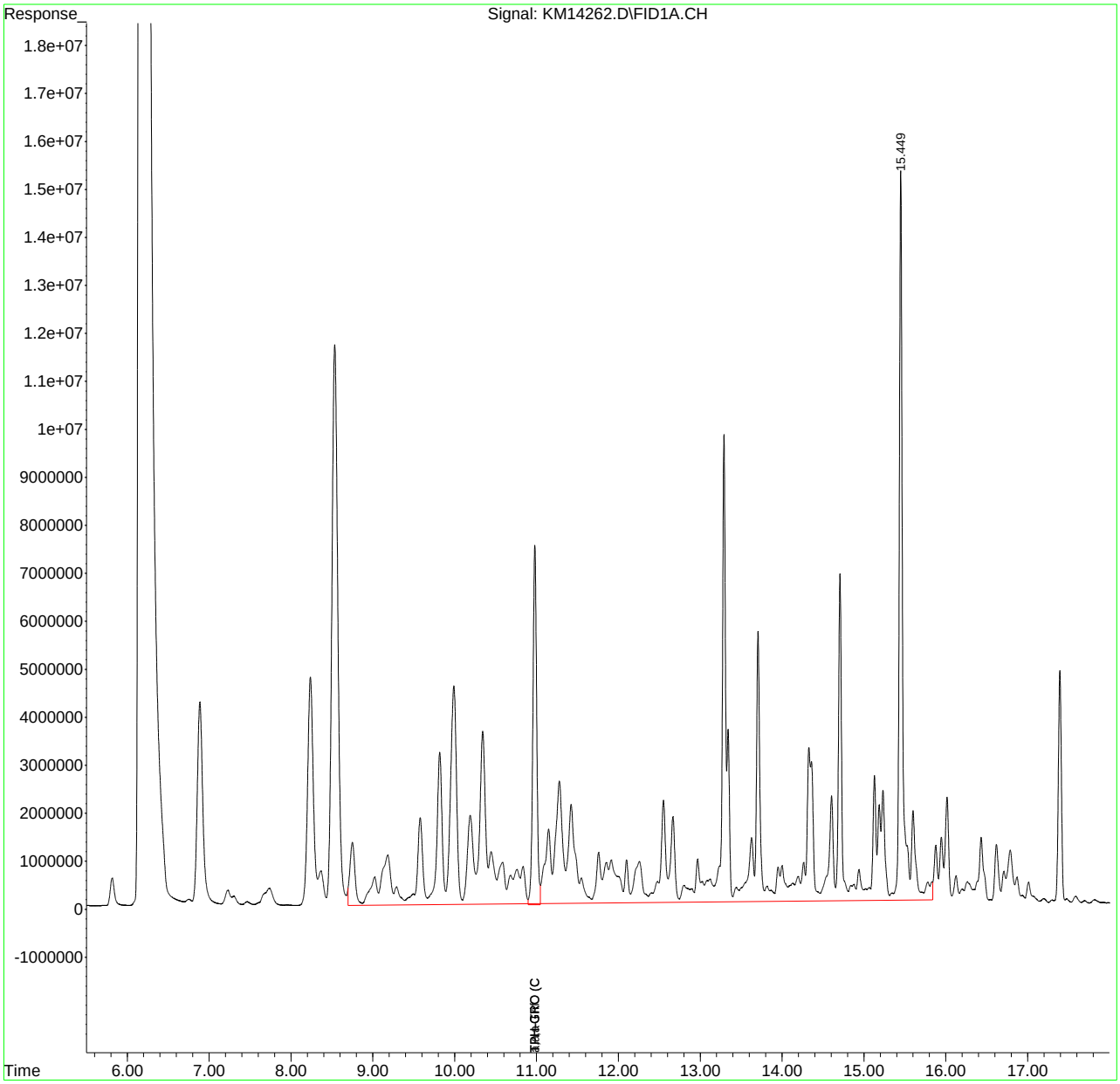
(f)=RT Delta > 1/2 Window (m)=manual int.

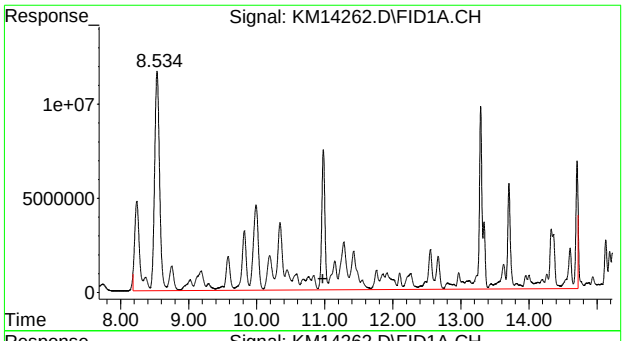
Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Oct 2025\10-22-25\GKM598\
Data File : KM14262.D
Signal(s) : FID1A.CH
Acq On : 21 Oct 2025 3:06 pm
Operator : johnn
Sample : je20825-1ms
Misc : GC65370,GKM598,5.0,,,,1
ALS Vial : 12 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 22 06:49:37 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

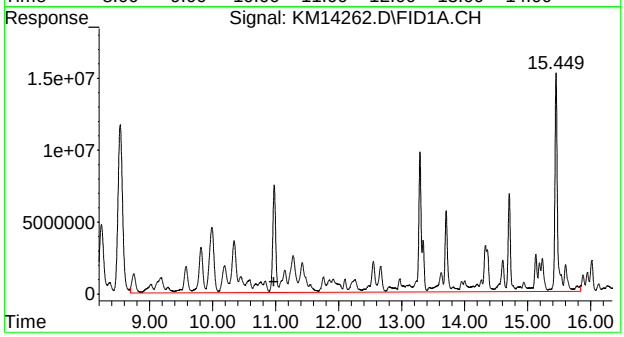
Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um





#1 TPH-GRO (C6-C10)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 3776368952
Conc: 9824.22 ug/l



#2 TPH-GRO (C6-C12)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 3779598019
Conc: 11439.72 ug/l

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Oct 2025\10-22-25\GKM598\
Data File : KM14263.D
Signal(s) : FID1A.CH
Acq On : 21 Oct 2025 3:30 pm
Operator : johnn
Sample : je20825-1msd
Misc : GC65370,GKM598,5.0,,,,1
ALS Vial : 13 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 22 06:49:41 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) S a,a,a-Trifluorotoluene	10.978	240676222	303.031 ug/l
Spiked Amount 300.000	Range 70 - 116	Recovery = 101.01%	
Target Compounds			
1) H TPH-GRO (C6-C10)	10.970	3777584569	9827.383 ug/l
2) H TPH-GRO (C6-C12)	10.970	3712127391	11235.502 ug/l

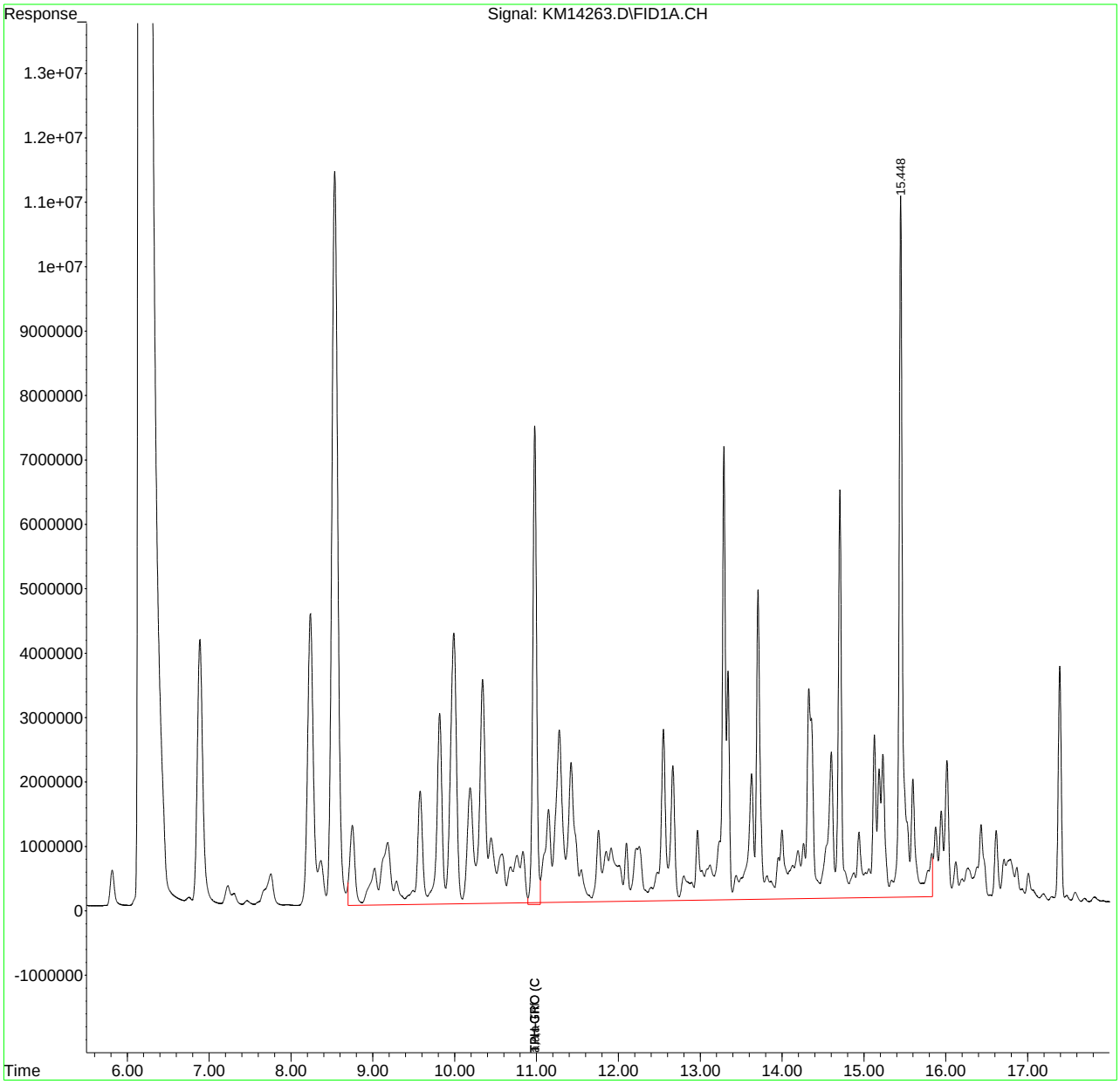
(f)=RT Delta > 1/2 Window (m)=manual int.

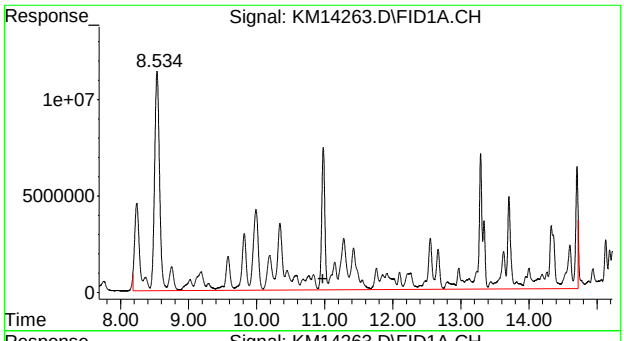
Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Oct 2025\10-22-25\GKM598\
Data File : KM14263.D
Signal(s) : FID1A.CH
Acq On : 21 Oct 2025 3:30 pm
Operator : johnn
Sample : je20825-1msd
Misc : GC65370,GKM598,5.0,,,,1
ALS Vial : 13 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 22 06:49:41 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

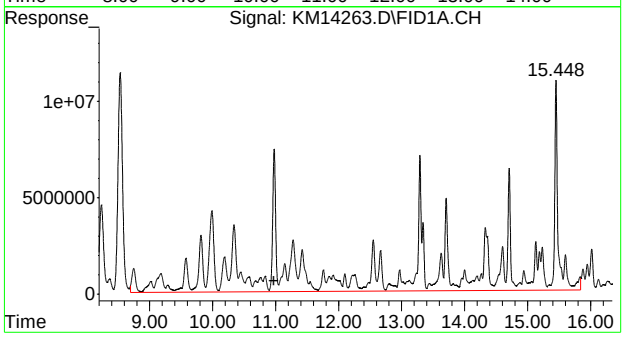
Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um





#1 TPH-GRO (C6-C10)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 3777584569
Conc: 9827.38 ug/l



#2 TPH-GRO (C6-C12)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 3712127391
Conc: 11235.50 ug/l

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118151.d
Signal(s) : FID1A.ch
Acq On : 22 Oct 2025 9:05 am
Operator : williamc
Sample : je20825-1dup
Misc : GC65375,GAA3393,,,,,1
ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 22 09:15:29 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df

	Compound	R.T.	Response	Conc Units
Target Compounds				
1)	Methane	1.320f	475132484	28986.708 PPMV
2)	Ethane	1.725	1244382	40.087 PPMV

(f)=RT Delta > 1/2 Window (m)=manual int.

11.6.1

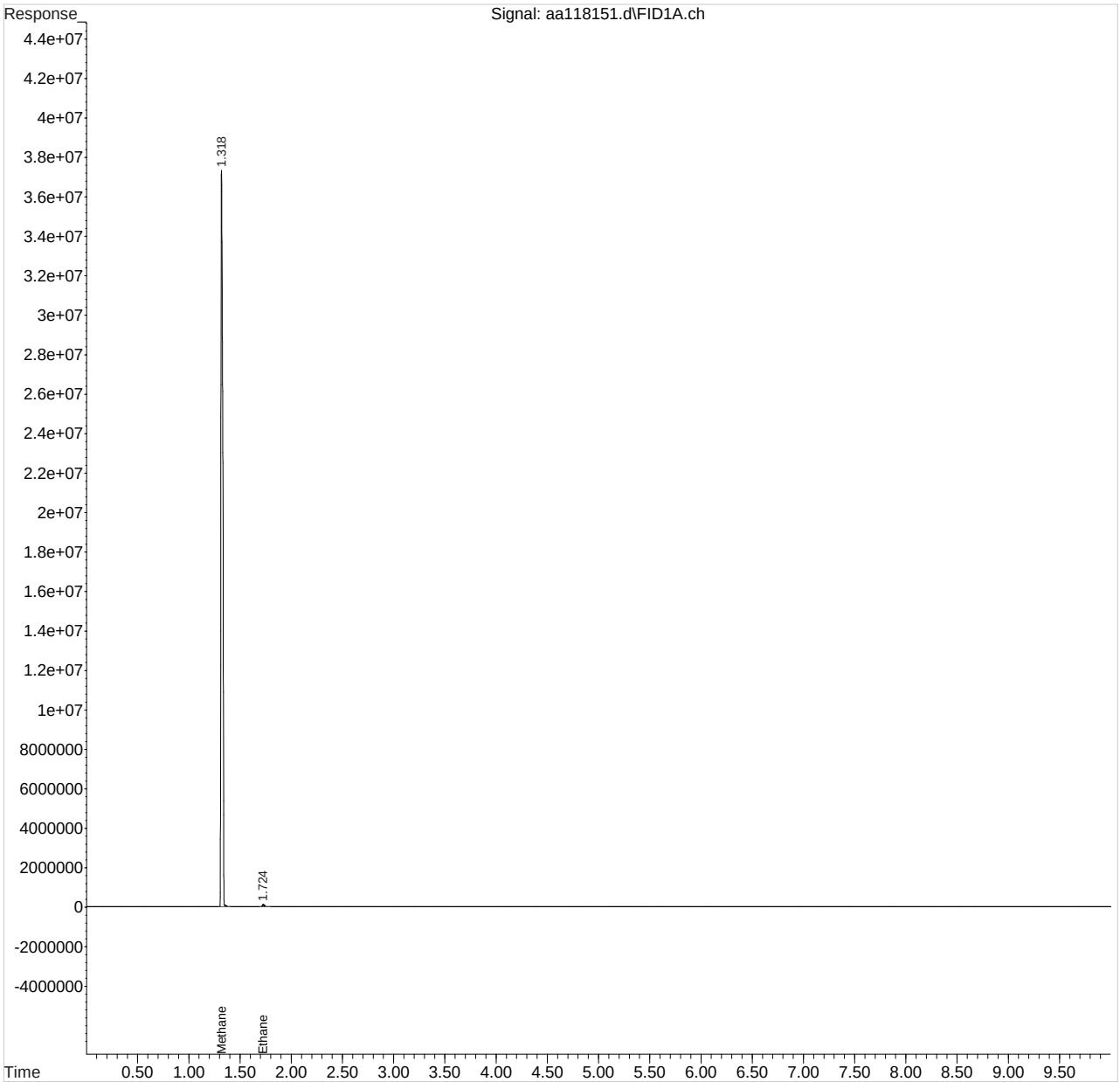
11

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118151.d
Signal(s) : FID1A.ch
Acq On : 22 Oct 2025 9:05 am
Operator : williamc
Sample : je20825-1dup
Misc : GC65375,GAA3393,,,,,1
ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 22 09:15:29 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



Dissolved Gas Calculation Worksheet

Data File Name **aa118151.d**
Date Acquired **10/22/2025 9:05**
Sample Name **je20825-1dup**
Sample Multiplier **1**
Temperature(C) **24**
Headspace Vol. (cc) **5**
Sample Vol(cc) **38**

Compound	MW	Molar Volume(L)	Water g-moles/L	Temp K	Corrected Gas dens.	Peak Area	Helium Blank	Headspace (ppmv)*	Headspace (ug/l)	Water (ug/l)	Henry's Constant	Saturation Conc.(ug/l)	Total (ug/L)	MDL (ug/l)	Report (ug/l)
METHANE	16	22.4	55.5	297	24.37	4.8E+008	4647	28986.42	19031.49	2504.14	40560	634.614	3138.76	0.08	**3138.76**
ETHANE	30	22.4	55.5	297	24.37	1244382	0	40.09	49.35	6.49	29420	2.269	8.762	0.14	**8.762**
ETHYLENE	28	22.4	55.5	297	24.29	0	0	#DIV/0!	#DIV/0!	#DIV/0!	11160	#DIV/0!	#DIV/0!	0.16	**#DIV/0!**
PROPANE	44	22.4	55.5	297	24.29	0	0	#DIV/0!	#DIV/0!	#DIV/0!	35857	#DIV/0!	#DIV/0!	0.07	**#DIV/0!**

*** ppmv is corrected for helium blank background peak area**

Definitions,

Molar Volume	The volume of 1 mole of any gas at standard temperature and pressure(STP)
Water g/Moles	1 Liter of water is equal to 55.5g-moles
Temp-kelvin	Is defined as 273 + degress C
Corrected Gas Density	Gas density corrected for temperature is equal to (molar volume) x (temp-k/273)
Headspace conc(ug/l)	Is equal to (ppmv reading) x (mw/corrected gas density)
Water Concentration(ug/l)	Is equal to headspace conc(ug/l) x headspace vol/sample vol
Saturation Concentration(ug/l)	Gas which remains at equilibrium in the sample is equal to (headspace conc-ppm) x (mw) x (55.5)/(Henry's Constant)

Henry's Constants

temp-c	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43460	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Oxygen	40100	40840	41580	42320	43060	43800	44540	45280	46020	46760	47500
CO	52600	53680	54760	55840	56920	58000	58800	59600	60400	61200	62000
CO2	14200	14640	15080	15520	15960	16400	16840	17280	17720	18160	18600
Nitrogen	80400	81620	82840	84060	85280	86500	87680	88860	90040	91220	92400
Hydrogen	68300	68780	69260	69740	70220	70700	71140	71580	72020	72460	72900
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\GKM588\
Data File : KM14012.D
Signal(s) : FID1A.CH
Acq On : 09 Oct 2025 2:42 pm
Operator : johnn
Sample : RT
Misc : GC65359,GKM588,5.0,,,,1
ALS Vial : 6 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 09 18:43:21 2025
Quant Method : C:\msdchem\1\METHODS\MKMGRORT2.M
Quant Title : VPH
QLast Update : Thu Oct 09 18:43:11 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 mm df

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
5) S	a,a,a-Trifluorotoluene	10.970	207753817	66.162 ppb
Spiked Amount	300.000		Recovery =	22.05%
	Target Compounds			
1)	2-methylpentane	8.231	27902351	127.677
2)	1,2,4-Trimethylbenzene	14.694	88741554	101.258
3) t	n-Hexane	8.748	28893018	92.927
4) t	n-Dodecane	15.810	23900461	76.869

(f)=RT Delta > 1/2 Window (m)=manual int.

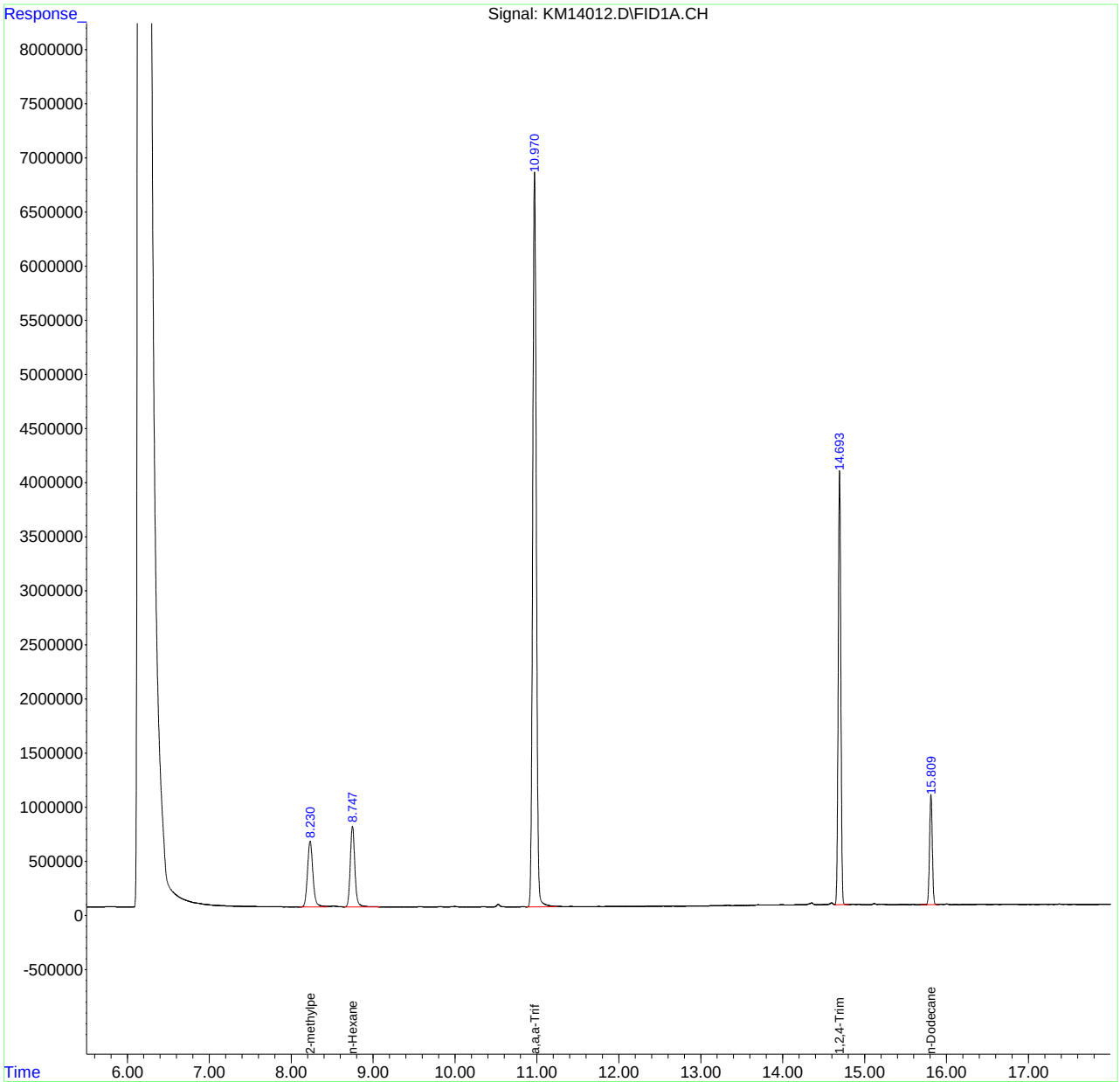
11.7.1
11

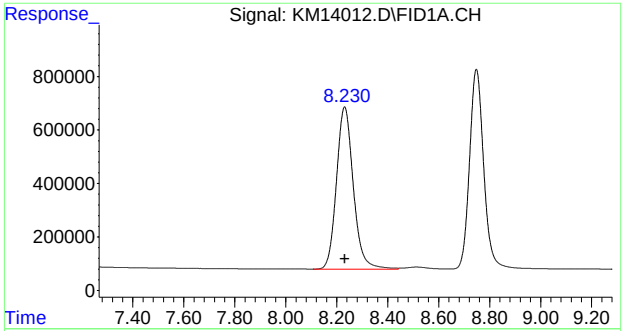
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\GKM588\
Data File : KM14012.D
Signal(s) : FID1A.CH
Acq On : 09 Oct 2025 2:42 pm
Operator : johnn
Sample : RT
Misc : GC65359,GKM588,5.0,,,,1
ALS Vial : 6 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 09 18:43:21 2025
Quant Method : C:\msdchem\1\METHODS\MKMGRORT2.M
Quant Title : VPH
QLast Update : Thu Oct 09 18:43:11 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

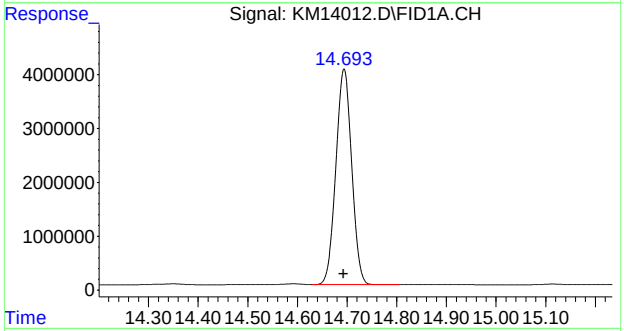
Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 mm df





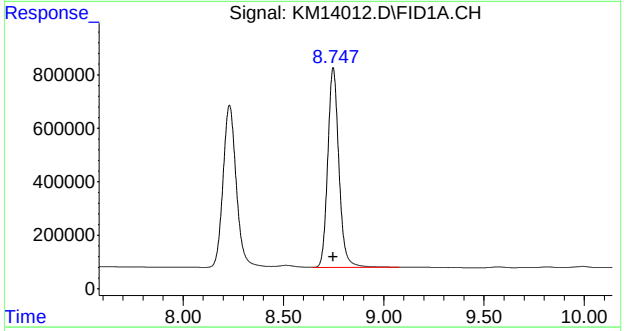
#1 2-methylpentane

R.T.: 8.231 min
Delta R.T.: 0.000 min
Response: 27902351
Conc: 127.68



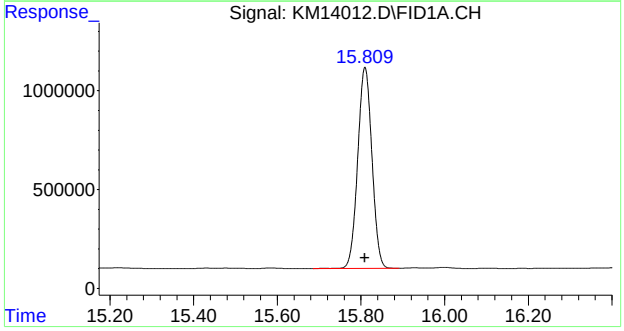
#2 1,2,4-Trimethylbenzene

R.T.: 14.694 min
Delta R.T.: 0.001 min
Response: 88741554
Conc: 101.26



#3 n-Hexane

R.T.: 8.748 min
Delta R.T.: 0.000 min
Response: 28893018
Conc: 92.93



#4 n-Dodecane

R.T.: 15.810 min
Delta R.T.: 0.000 min
Response: 23900461
Conc: 76.87

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Oct 2025\10-22-25\GKM598\
Data File : KM14253.D
Signal(s) : FID1A.CH
Acq On : 21 Oct 2025 10:15 am
Operator : johnn
Sample : rt
Misc : GC65322,GKM598,5.0,,100,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 22 06:45:18 2025
Quant Method : C:\msdchem\1\methods\MKMGRORT2.M
Quant Title : VPH
QLast Update : Thu Oct 09 18:43:11 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 mm df

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
5) S	a,a,a-Trifluorotoluene	10.980	203707451	64.874 ppb
Spiked Amount	300.000		Recovery =	21.62%
	Target Compounds			
1)	2-methylpentane	8.240	26522835	121.365
2)	1,2,4-Trimethylbenzene	14.707	89419667	102.031
3) t	n-Hexane	8.757	27794064	89.392
4) t	n-Dodecane	15.825f	22070770	70.985

(f)=RT Delta > 1/2 Window (m)=manual int.

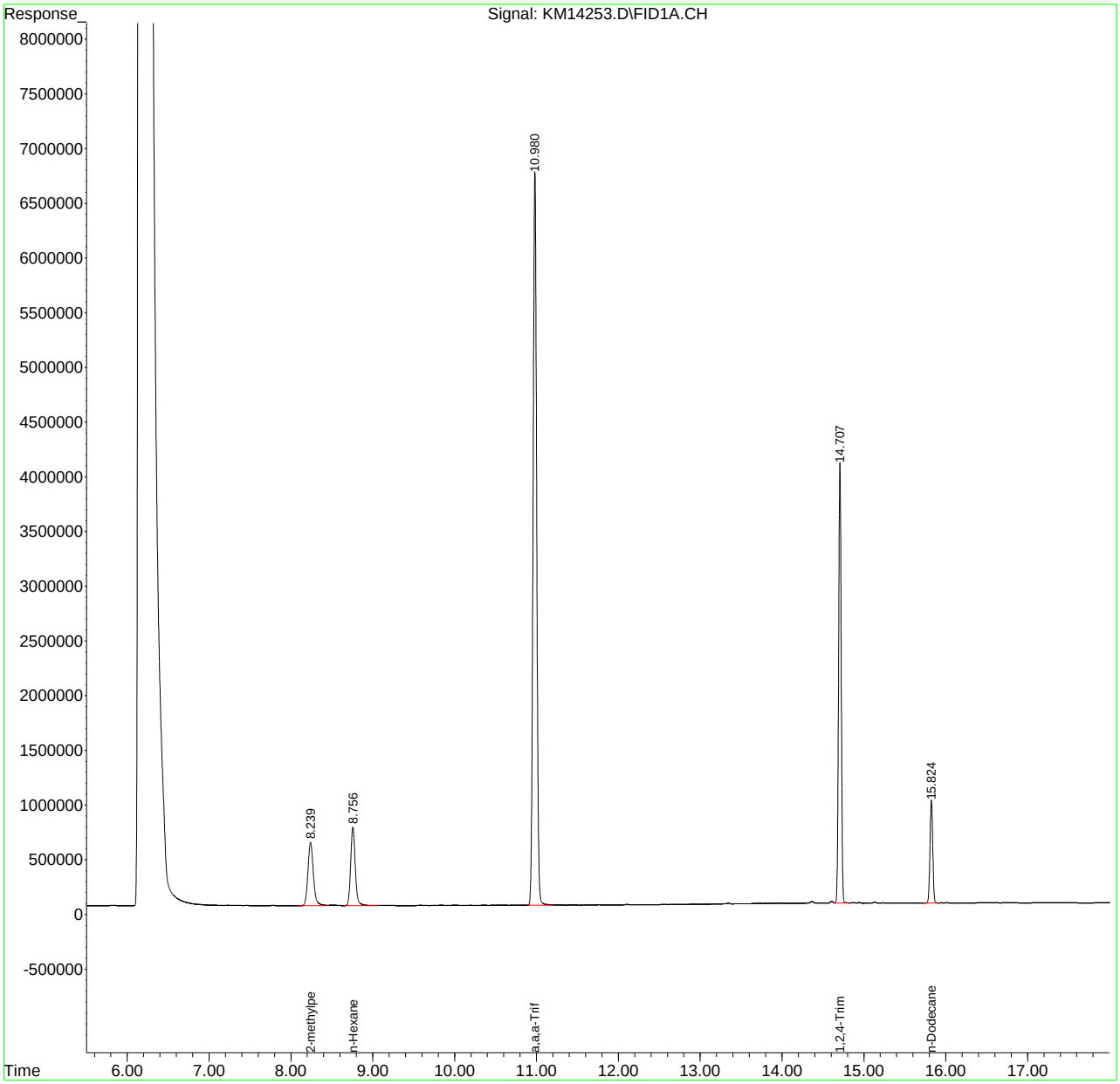
11.7.2 11

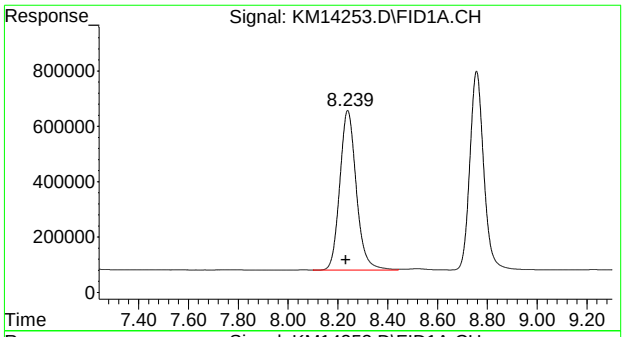
Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Oct 2025\10-22-25\GKM598\
Data File : KM14253.D
Signal(s) : FID1A.CH
Acq On : 21 Oct 2025 10:15 am
Operator : johnn
Sample : rt
Misc : GC65322,GKM598,5.0,,100,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 22 06:45:18 2025
Quant Method : C:\msdchem\1\methods\MKMGRORT2.M
Quant Title : VPH
QLast Update : Thu Oct 09 18:43:11 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

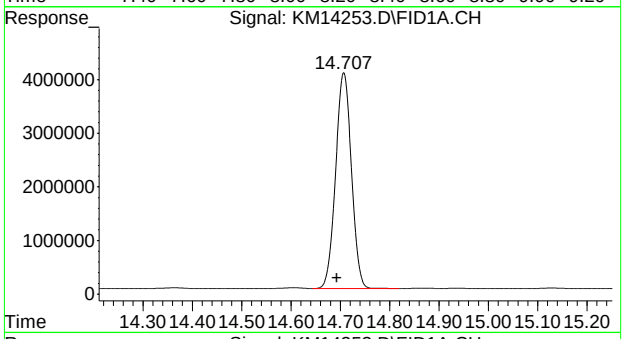
Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 mm df





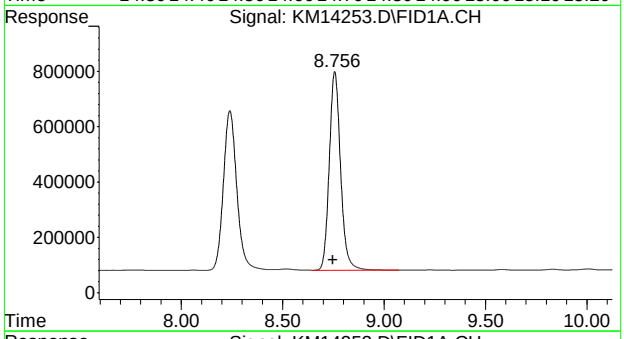
#1 2-methylpentane

R.T.: 8.240 min
Delta R.T.: 0.009 min
Response: 26522835
Conc: 121.36



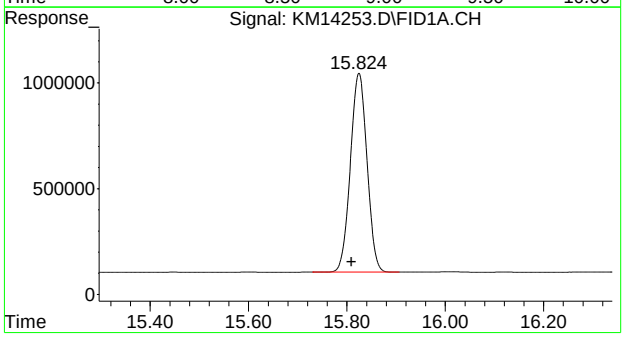
#2 1,2,4-Trimethylbenzene

R.T.: 14.707 min
Delta R.T.: 0.014 min
Response: 89419667
Conc: 102.03



#3 n-Hexane

R.T.: 8.757 min
Delta R.T.: 0.009 min
Response: 27794064
Conc: 89.39



#4 n-Dodecane

R.T.: 15.825 min
Delta R.T.: 0.016 min
Response: 22070770
Conc: 70.98

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa116752.d
Signal(s) : FID1A.ch
Acq On : 25 Jul 2025 1:55 pm
Operator : williamc
Sample : ic3333-10
Misc : GC65024,GAA3333,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jul 25 14:05:35 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Mon Jul 14 10:45:48 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	1.339	165070	10.466	PPMV
2)	Ethane	1.739	312564	10.476	PPMV
3)	Ethene	2.407f	314351	10.446	PPMV
4)	Propane	2.839	478366	11.360	PPMV

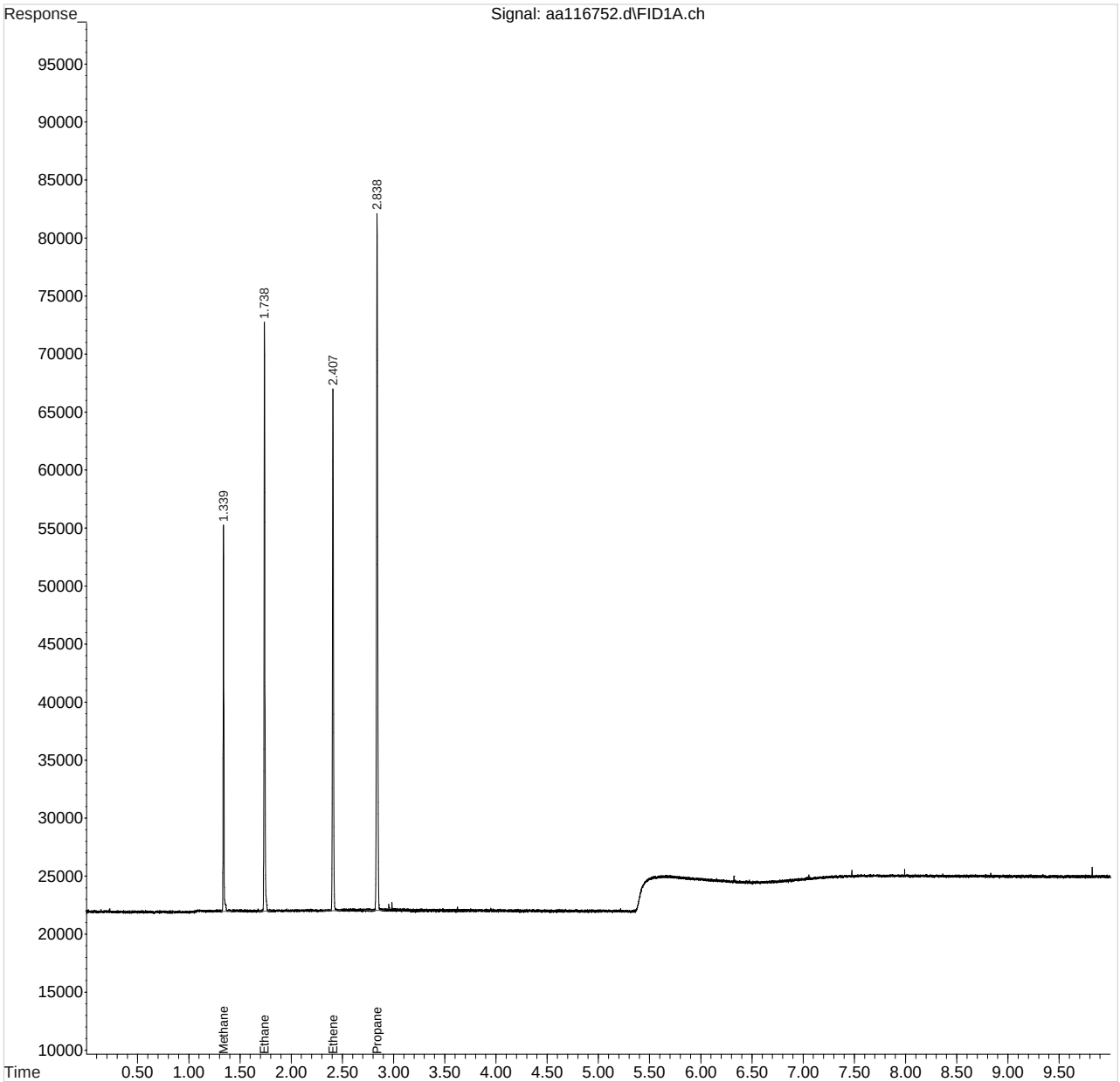
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa116752.d
Signal(s) : FID1A.ch
Acq On : 25 Jul 2025 1:55 pm
Operator : williamc
Sample : ic3333-10
Misc : GC65024,GAA3333,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jul 25 14:05:35 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Mon Jul 14 10:45:48 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa116753.d
Signal(s) : FID1A.ch
Acq On : 25 Jul 2025 2:13 pm
Operator : williamc
Sample : ic3333-20
Misc : GC65024,GAA3333,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jul 25 14:23:52 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Mon Jul 14 10:45:48 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	1.339	325865	20.661	PPMV
2)	Ethane	1.738	613273	20.555	PPMV
3)	Ethene	2.408f	615572	20.456	PPMV
4)	Propane	2.839	940211	22.327	PPMV

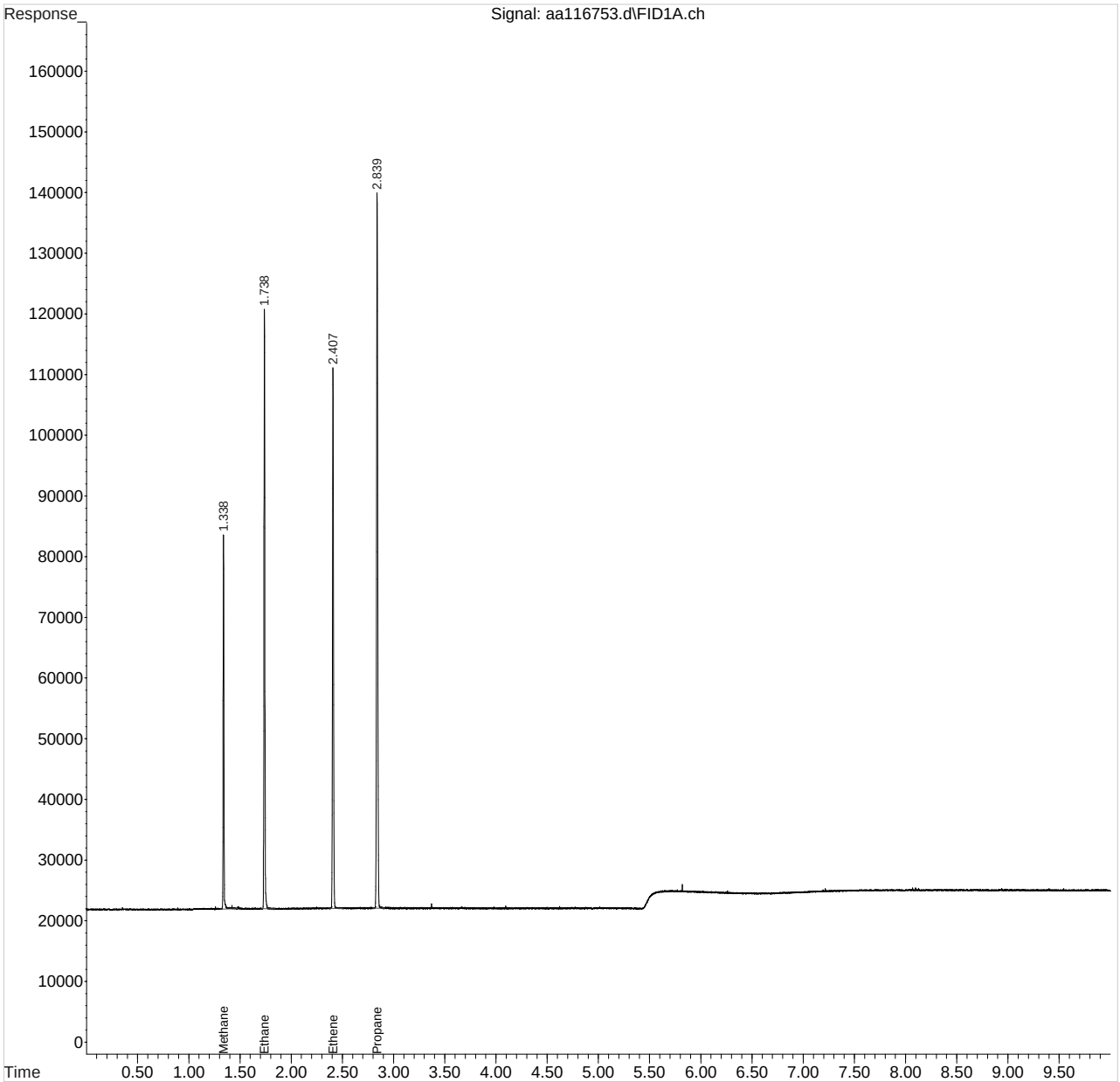
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa116753.d
Signal(s) : FID1A.ch
Acq On : 25 Jul 2025 2:13 pm
Operator : williamc
Sample : ic3333-20
Misc : GC65024,GAA3333,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jul 25 14:23:52 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Mon Jul 14 10:45:48 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa116754.d
Signal(s) : FID1A.ch
Acq On : 25 Jul 2025 2:27 pm
Operator : williamc
Sample : icc3333-100
Misc : GC65024,GAA3333,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jul 25 14:37:50 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Mon Jul 14 10:45:48 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	1.339	1710878	108.476	PPMV
2)	Ethane	1.739	3300234	110.616	PPMV
3)	Ethene	2.407f	3310390	110.006	PPMV
4)	Propane	2.838	5075436	120.525	PPMV

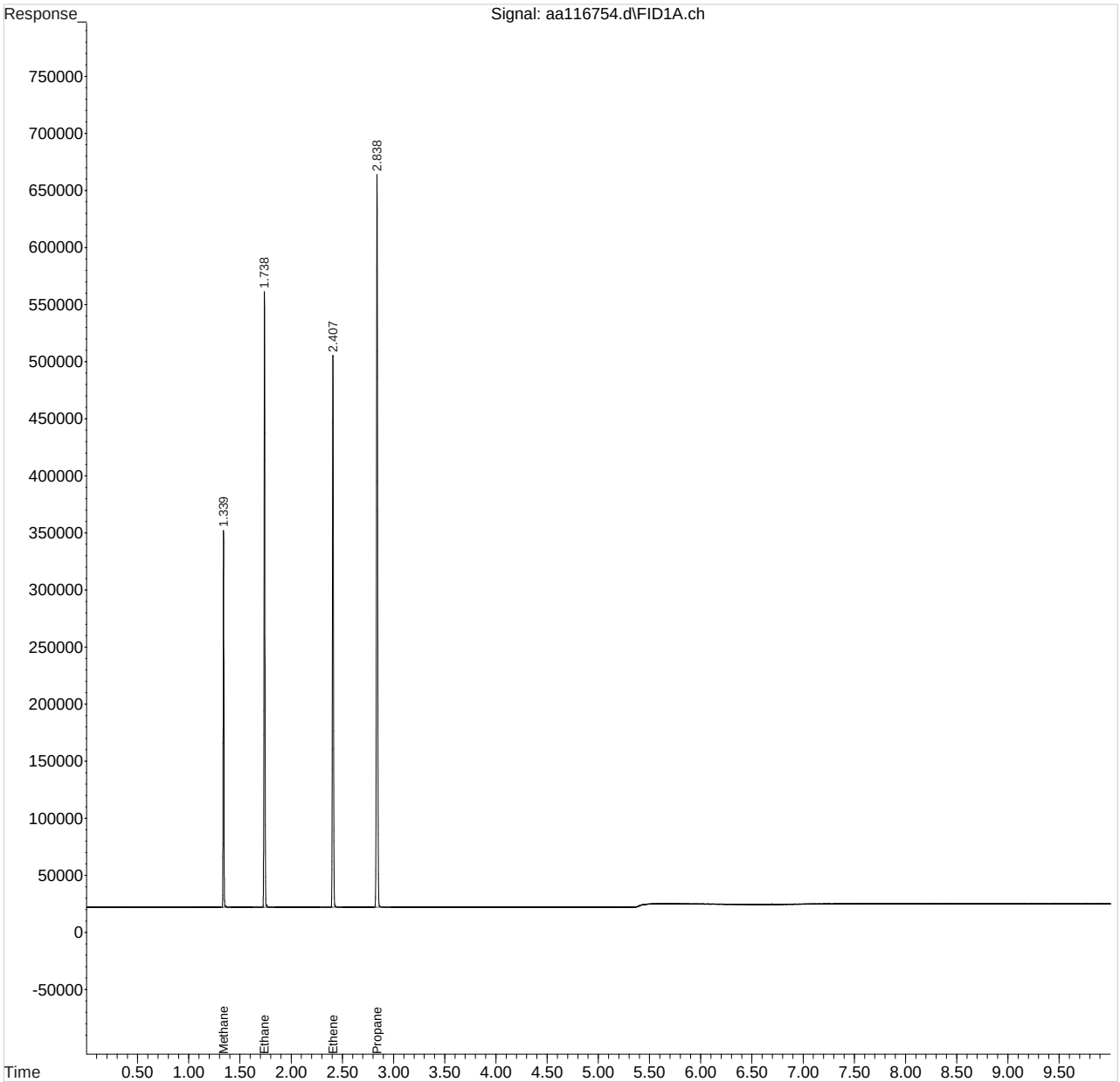
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa116754.d
Signal(s) : FID1A.ch
Acq On : 25 Jul 2025 2:27 pm
Operator : williamc
Sample : icc3333-100
Misc : GC65024,GAA3333,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jul 25 14:37:50 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Mon Jul 14 10:45:48 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa116755.d
Signal(s) : FID1A.ch
Acq On : 25 Jul 2025 2:40 pm
Operator : williamc
Sample : ic3333-200
Misc : GC65024,GAA3333,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jul 25 14:50:53 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Mon Jul 14 10:45:48 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	1.340	3299909	209.226	PPMV
2)	Ethane	1.739	6377027	213.743	PPMV
3)	Ethene	2.407f	6397977	212.608	PPMV
4)	Propane	2.838	9876936	234.545	PPMV

(f)=RT Delta > 1/2 Window (m)=manual int.

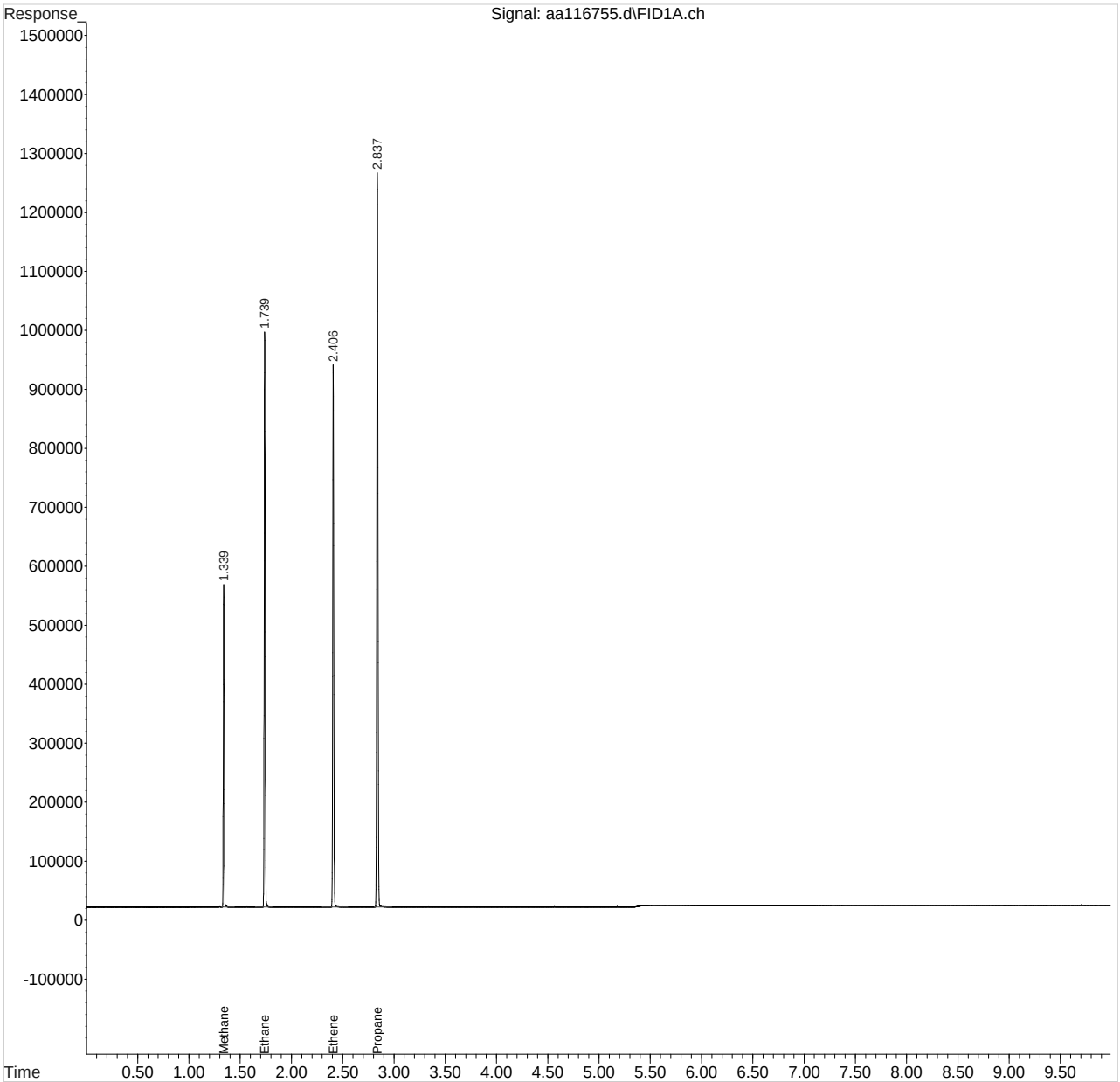
11.8.4 11

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa116755.d
Signal(s) : FID1A.ch
Acq On : 25 Jul 2025 2:40 pm
Operator : williamc
Sample : ic3333-200
Misc : GC65024,GAA3333,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jul 25 14:50:53 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Mon Jul 14 10:45:48 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa116756.d
Signal(s) : FID1A.ch
Acq On : 25 Jul 2025 2:53 pm
Operator : williamc
Sample : ic3333-500
Misc : GC65024,GAA3333,,,,,1
ALS Vial : 7 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jul 25 15:03:48 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Mon Jul 14 10:45:48 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	1.336	7704500	488.493	PPMV
2)	Ethane	1.737	14845864	497.598	PPMV
3)	Ethene	2.405	14912547	495.551	PPMV
4)	Propane	2.836	22837510	542.316	PPMV

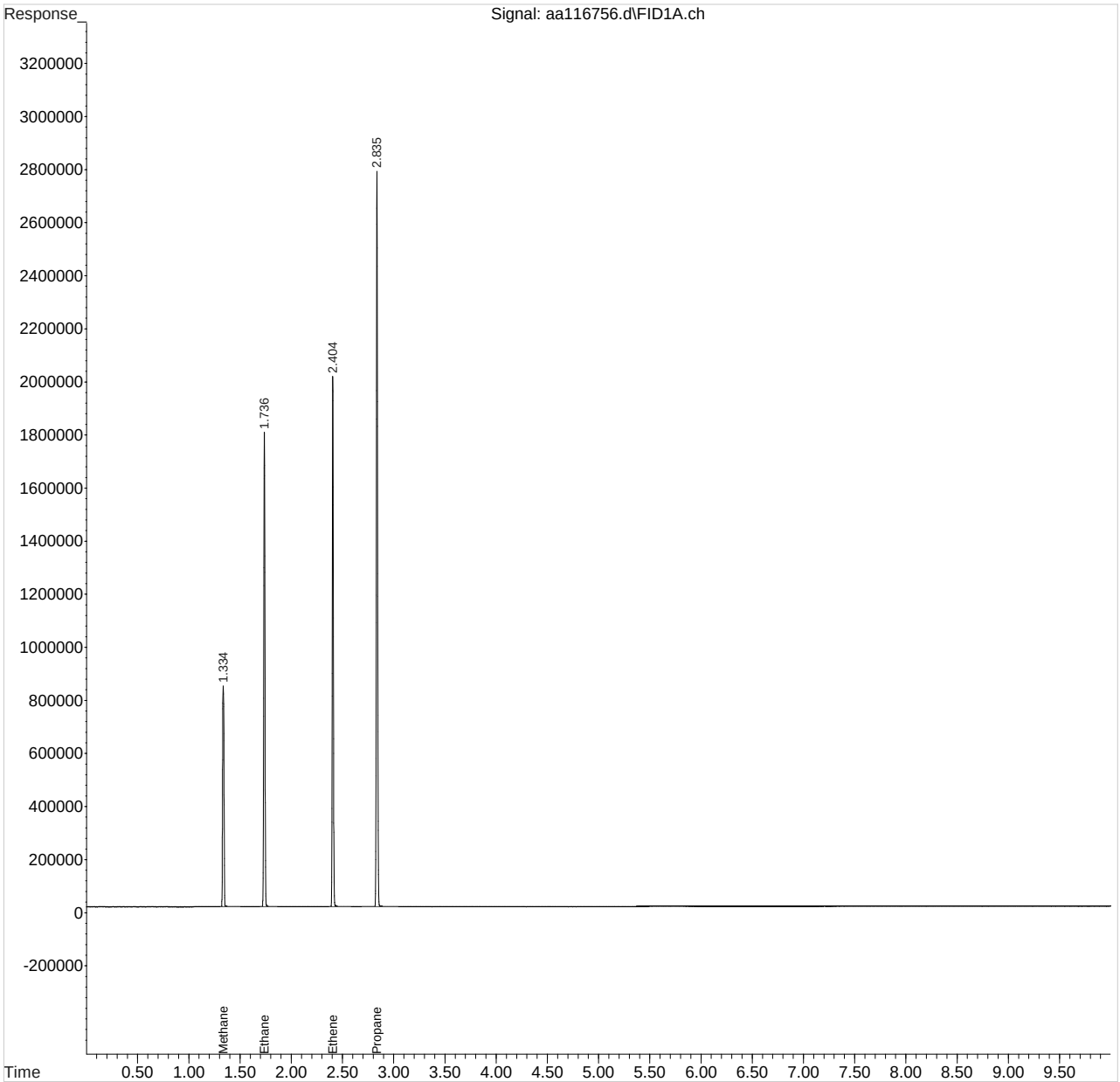
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa116756.d
Signal(s) : FID1A.ch
Acq On : 25 Jul 2025 2:53 pm
Operator : williamc
Sample : ic3333-500
Misc : GC65024,GAA3333,,,,,1
ALS Vial : 7 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jul 25 15:03:48 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Mon Jul 14 10:45:48 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa116757.d
Signal(s) : FID1A.ch
Acq On : 25 Jul 2025 3:06 pm
Operator : williamc
Sample : ic3333-1000
Misc : GC65024,GAA3333,,,,,1
ALS Vial : 8 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jul 25 15:16:56 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Mon Jul 14 10:45:48 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	1.316f	15658088	992.778	PPMV
2)	Ethane	1.717	30044866	1007.032	PPMV
3)	Ethene	2.394	30152286	1001.975	PPMV
4)	Propane	2.828	46124946	1095.317	PPMV

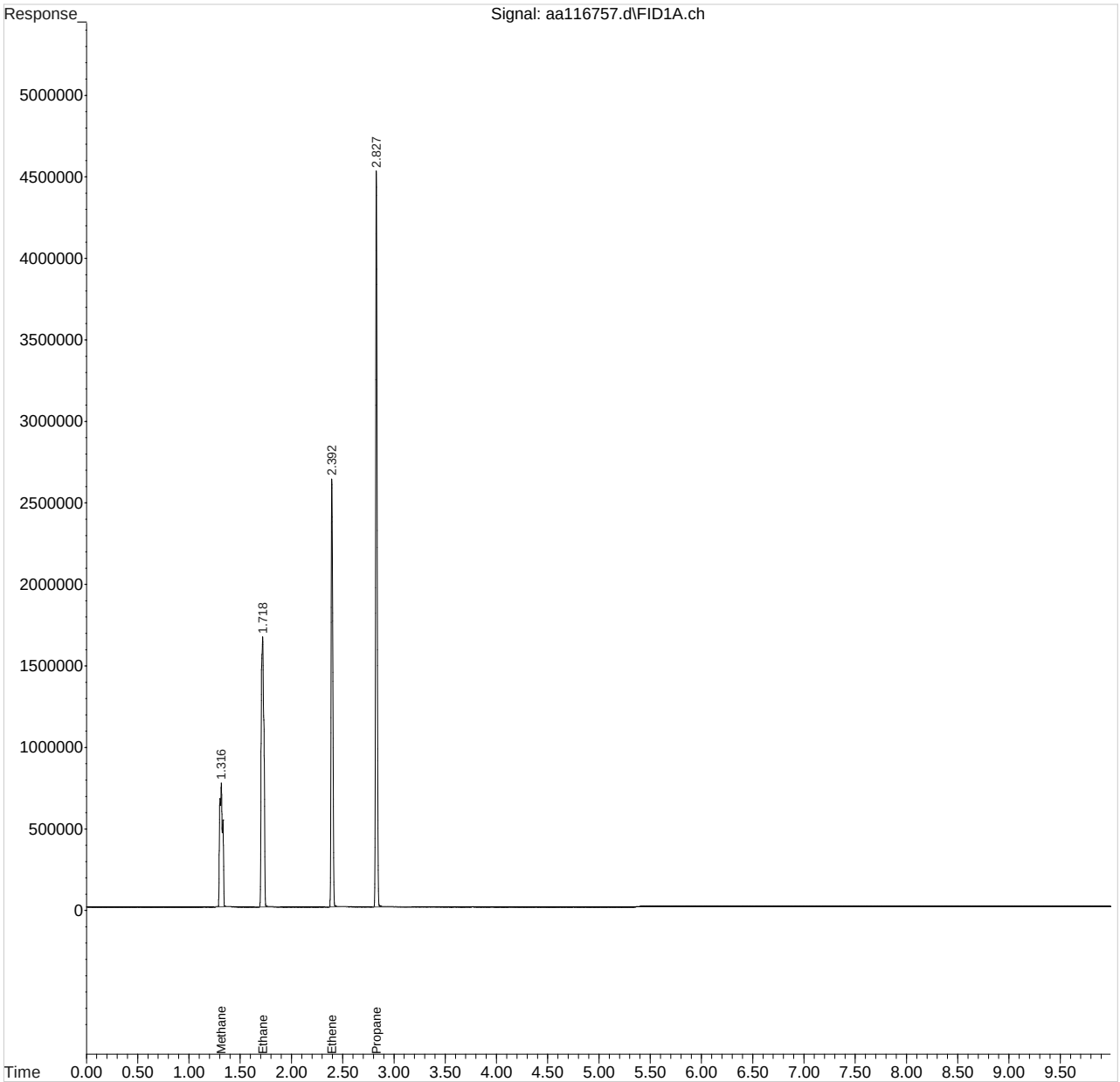
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa116757.d
Signal(s) : FID1A.ch
Acq On : 25 Jul 2025 3:06 pm
Operator : williamc
Sample : ic3333-1000
Misc : GC65024,GAA3333,,,,,1
ALS Vial : 8 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jul 25 15:16:56 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Mon Jul 14 10:45:48 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



AA116759.D

Manual Integrations APPROVED (compounds with "m" flag)

Kanya Veerawat 07/28/25 10:57

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa116759.d
Signal(s) : FID1A.ch
Acq On : 25 Jul 2025 3:46 pm
Operator : williamc
Sample : ic3333-1
Misc : GC65024,GAA3333,,,,,1
ALS Vial : 10 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jul 25 15:57:19 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Mon Jul 14 10:45:48 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df

	Compound	R.T.	Response	Conc Units
Target Compounds				
1)	Methane	1.335	17929	1.137 PPMV m
2)	Ethane	1.736	33505	1.123 PPMV
3)	Ethene	2.407f	34721	1.154 PPMV
4)	Propane	2.839	49584	1.177 PPMV

(f)=RT Delta > 1/2 Window (m)=manual int.

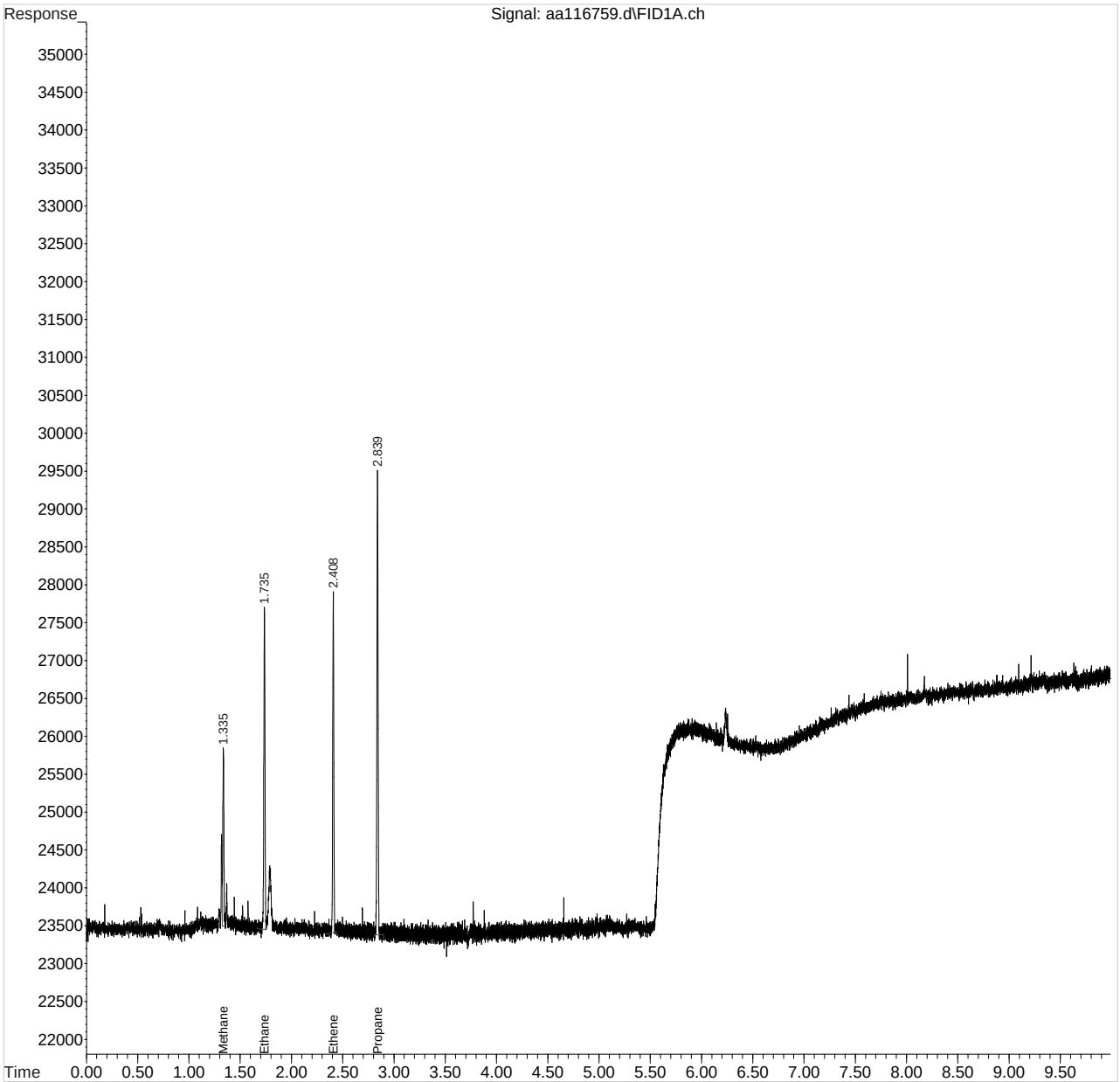
11.8.7 11

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa116759.d
Signal(s) : FID1A.ch
Acq On : 25 Jul 2025 3:46 pm
Operator : williamc
Sample : ic3333-1
Misc : GC65024,GAA3333,,,,,1
ALS Vial : 10 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jul 25 15:57:19 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Mon Jul 14 10:45:48 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



Manual Integration Approval Summary

Sample Number: GAA3333-IC3333 **Method:** RSK-175
Lab FileID: AA116759.D **Analyst approved:** 07/25/25 16:32 William Cruser
Injection Time: 07/25/25 15:46 **Supervisor approved:** 07/28/25 10:57 Kanya Veerawat

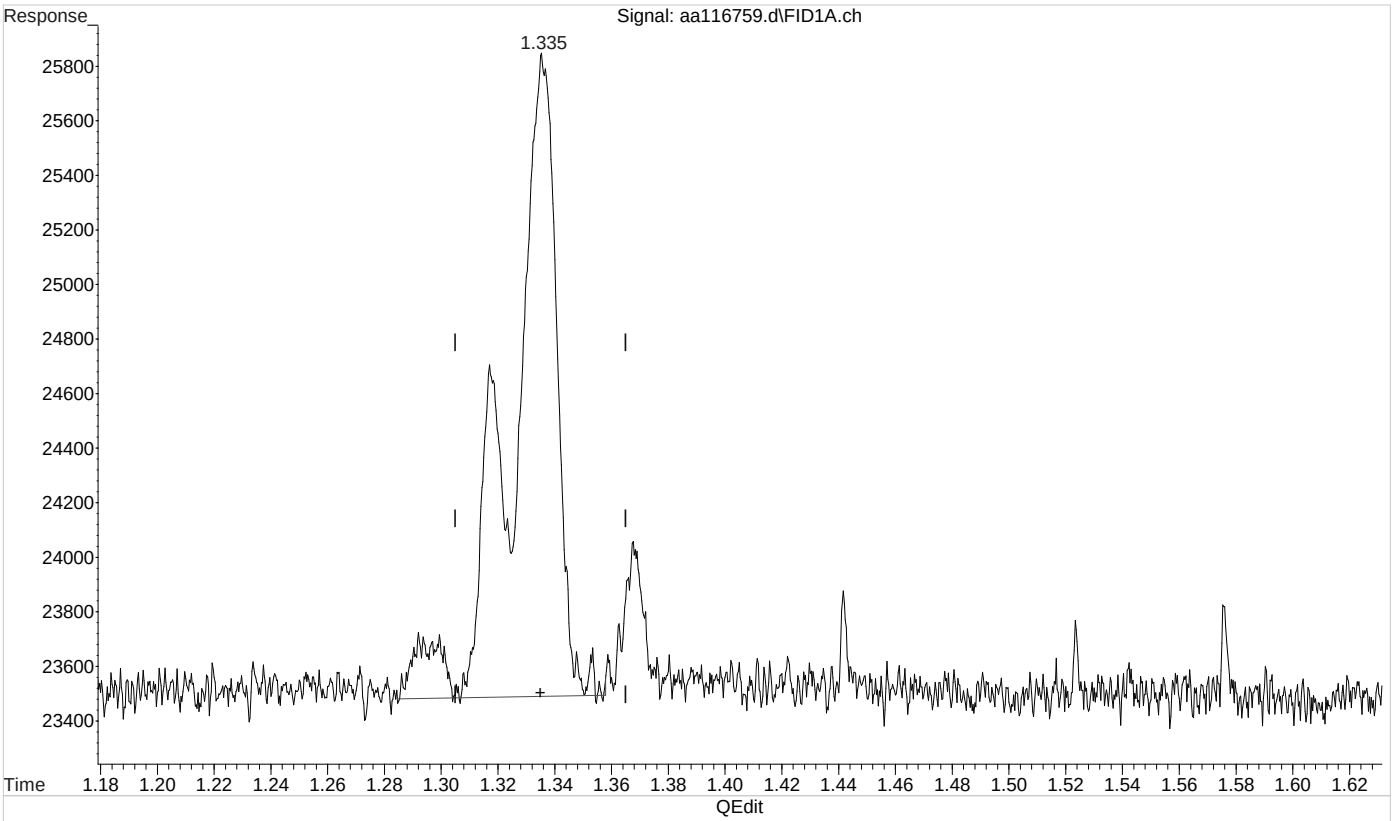
Parameter	CAS	Sig#	R.T. (min.)	Reason
Methane	74-82-8	1	1.34	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa116759.d
Signal(s) : FID1A.ch
Acq On : 25 Jul 2025 3:46 pm
Operator : williamc
Sample : ic3333-1
Misc : GC65024,GAA3333,,,,,1
ALS Vial : 10 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jul 25 15:56:43 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Mon Jul 14 10:45:48 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



(1) Methane

1.336min 1.682PPMV

response 26529

(+) = Expected Retention Time
MAA3333.M Fri Jul 25 15:57:16 2025 AA

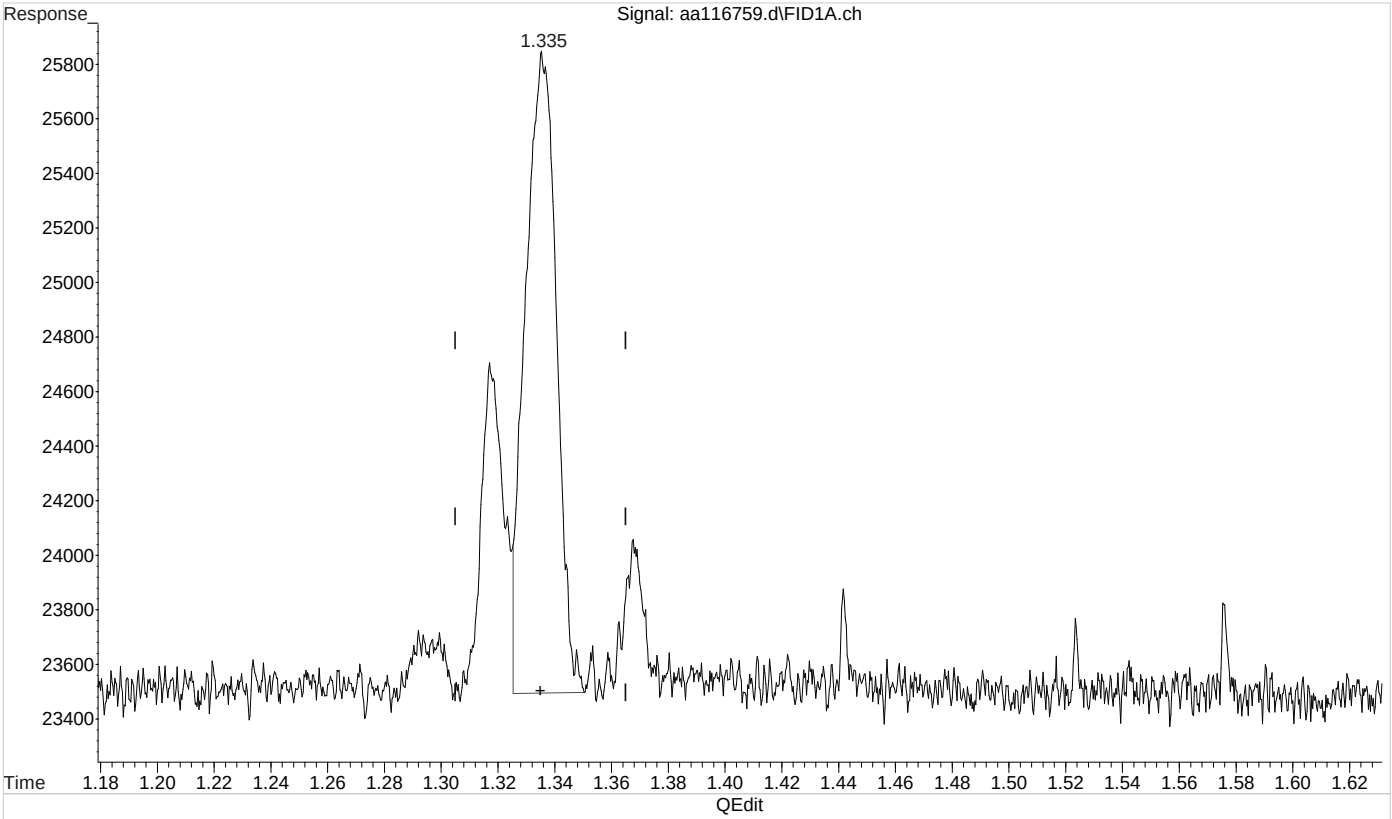
11.8.7.2 11

Quantitation Report (Qedit)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa116759.d
Signal(s) : FID1A.ch
Acq On : 25 Jul 2025 3:46 pm
Operator : williamc
Sample : ic3333-1
Misc : GC65024,GAA3333,,,,,1
ALS Vial : 10 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jul 25 15:56:43 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Mon Jul 14 10:45:48 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



(1) Methane

1.335min 1.137PPMV m

response 17929

(+) = Expected Retention Time
MAA3333.M Fri Jul 25 15:57:22 2025 AA

11.8.7.3

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 07/28/25 10:57

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa116760.d
Signal(s) : FID1A.ch
Acq On : 25 Jul 2025 3:59 pm
Operator : williamc
Sample : ic3333-2
Misc : GC65024,GAA3333,,,,,1
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jul 25 16:10:16 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Mon Jul 14 10:45:48 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	1.335	31454	1.994	PPMV
2)	Ethane	1.736	56573	1.896	PPMV
3)	Ethene	2.406f	55819	1.855	PPMV m
4)	Propane	2.837	87326	2.074	PPMV

(f)=RT Delta > 1/2 Window (m)=manual int.

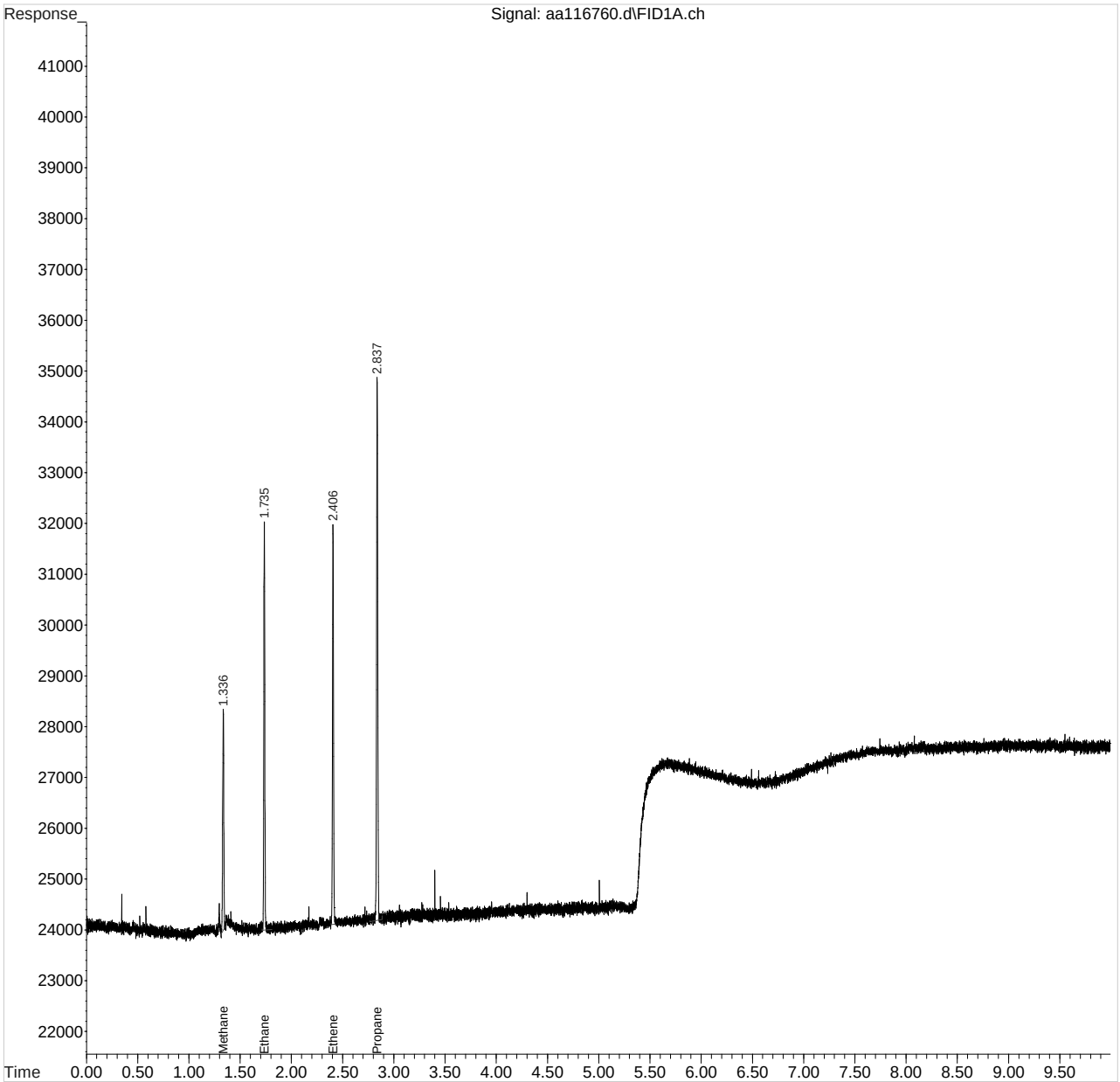
11.8.8 11

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa116760.d
Signal(s) : FID1A.ch
Acq On : 25 Jul 2025 3:59 pm
Operator : williamc
Sample : ic3333-2
Misc : GC65024,GAA3333,,,,,1
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jul 25 16:10:16 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Mon Jul 14 10:45:48 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



Manual Integration Approval Summary

Sample Number:	GAA3333-IC3333	**Method:**	RSK-175
Lab FileID:	AA116760.D	**Analyst approved:**	07/25/25 16:32 William Cruser
Injection Time:	07/25/25 15:59	**Supervisor approved:**	07/28/25 10:57 Kanya Veerawat

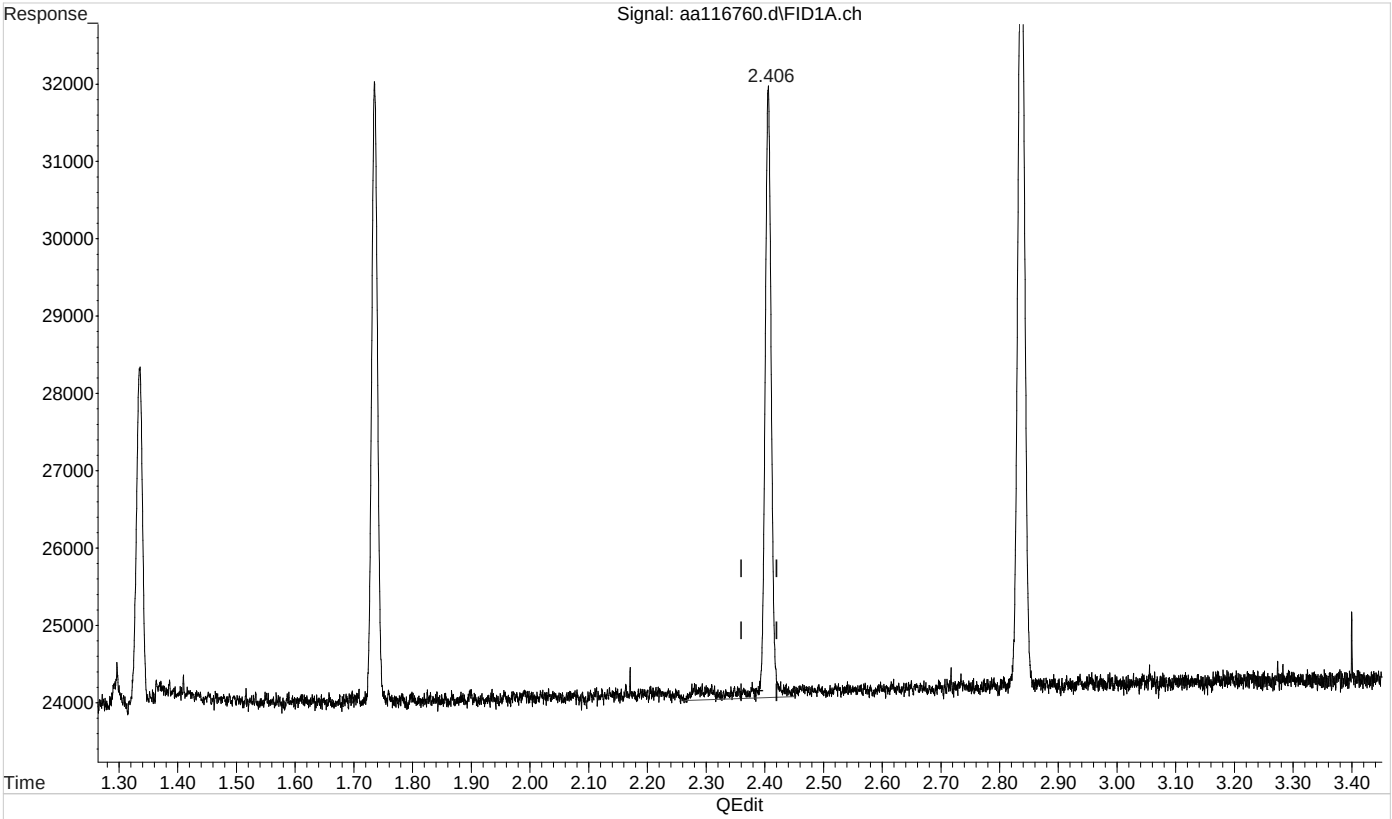
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethene	74-85-1	1	2.41	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa116760.d
Signal(s) : FID1A.ch
Acq On : 25 Jul 2025 3:59 pm
Operator : williamc
Sample : ic3333-2
Misc : GC65024,GAA3333,,,,,1
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jul 25 16:09:37 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Mon Jul 14 10:45:48 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



(3) Ethene

2.406min 2.122PPMV

response 63852

(+) = Expected Retention Time
MAA3333.M Fri Jul 25 16:10:08 2025 AA

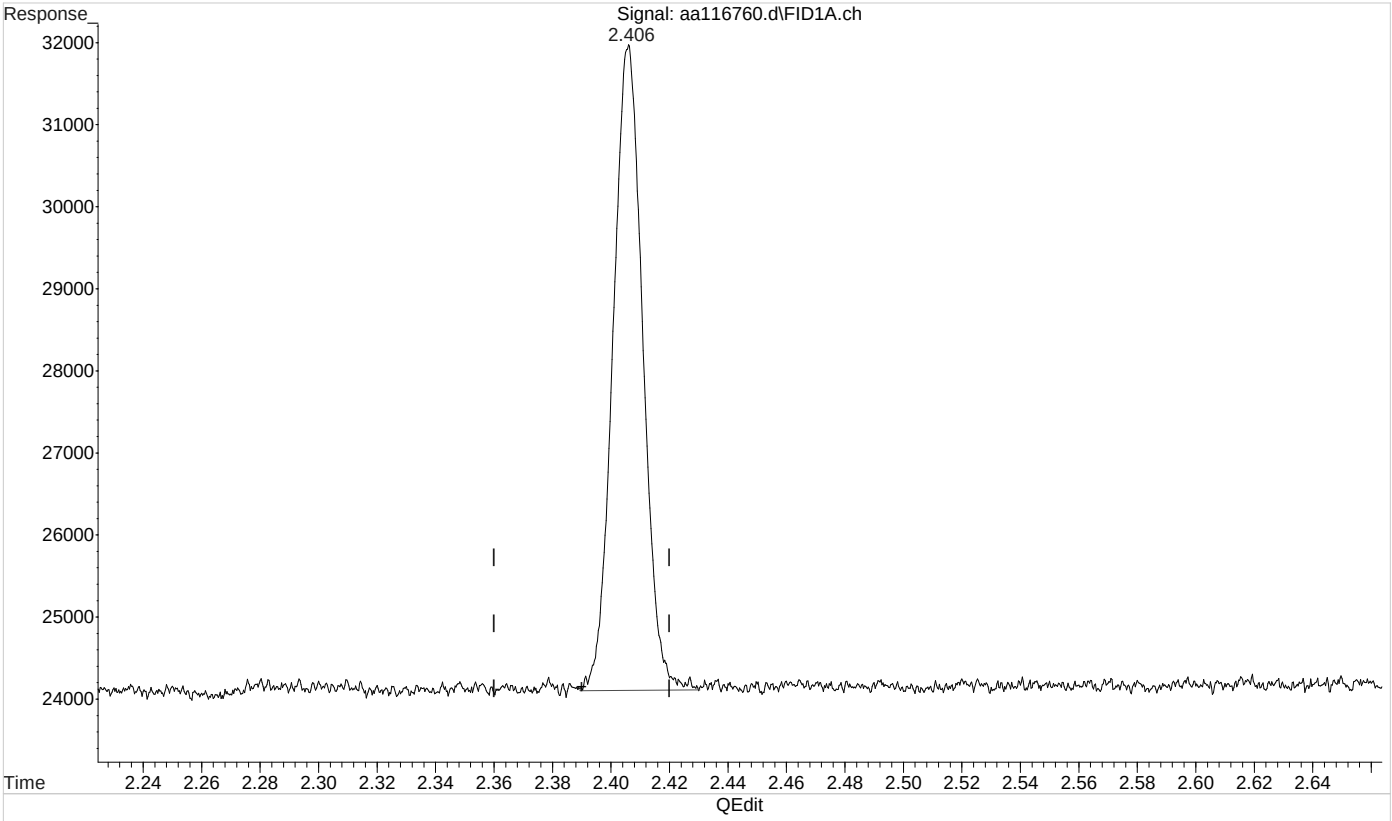
11.8.8.2
11

Quantitation Report (Qedit)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa116760.d
Signal(s) : FID1A.ch
Acq On : 25 Jul 2025 3:59 pm
Operator : williamc
Sample : ic3333-2
Misc : GC65024,GAA3333,,,,,1
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jul 25 16:09:37 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Mon Jul 14 10:45:48 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



(3) Ethene

2.406min 1.855PPMV m

response 55819

(+) = Expected Retention Time
MAA3333.M Fri Jul 25 16:10:19 2025 AA

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa116761.d
Signal(s) : FID1A.ch
Acq On : 25 Jul 2025 4:13 pm
Operator : williamc
Sample : icv3333-100
Misc : GC65024,GAA3333,,,,,1
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jul 25 16:23:52 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df

	Compound	R.T.	Response	Conc Units
Target Compounds				
1)	Methane	1.338	1558496	95.080 PPMV
2)	Ethane	1.738	2991336	96.364 PPMV
3)	Ethene	2.406	2996463	95.919 PPMV
4)	Propane	2.838	4247792	89.419 PPMV

(f)=RT Delta > 1/2 Window (m)=manual int.

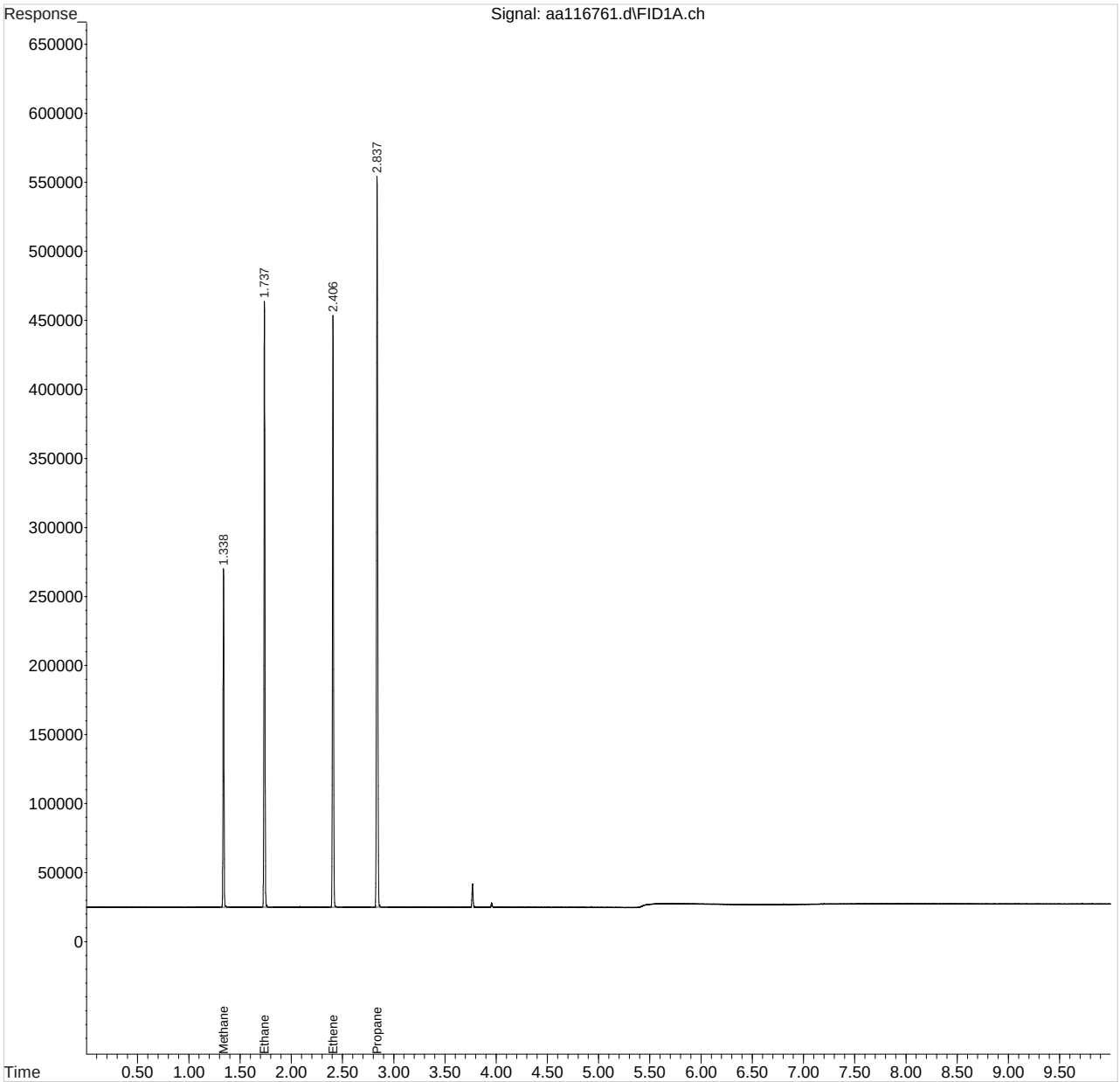
11.8.9 11

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa116761.d
Signal(s) : FID1A.ch
Acq On : 25 Jul 2025 4:13 pm
Operator : williamc
Sample : icv3333-100
Misc : GC65024,GAA3333,,,,,1
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jul 25 16:23:52 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118139.d
Signal(s) : FID1A.ch
Acq On : 22 Oct 2025 6:05 am
Operator : williamc
Sample : cc3333-100
Misc : GC65408,GAA3393,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 22 06:15:50 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	1.341	1656339	101.049	PPMV
2)	Ethane	1.741	3172377	102.196	PPMV
3)	Ethene	2.411	3182170	101.864	PPMV
4)	Propane	2.842	4855528	102.213	PPMV

(f)=RT Delta > 1/2 Window (m)=manual int.

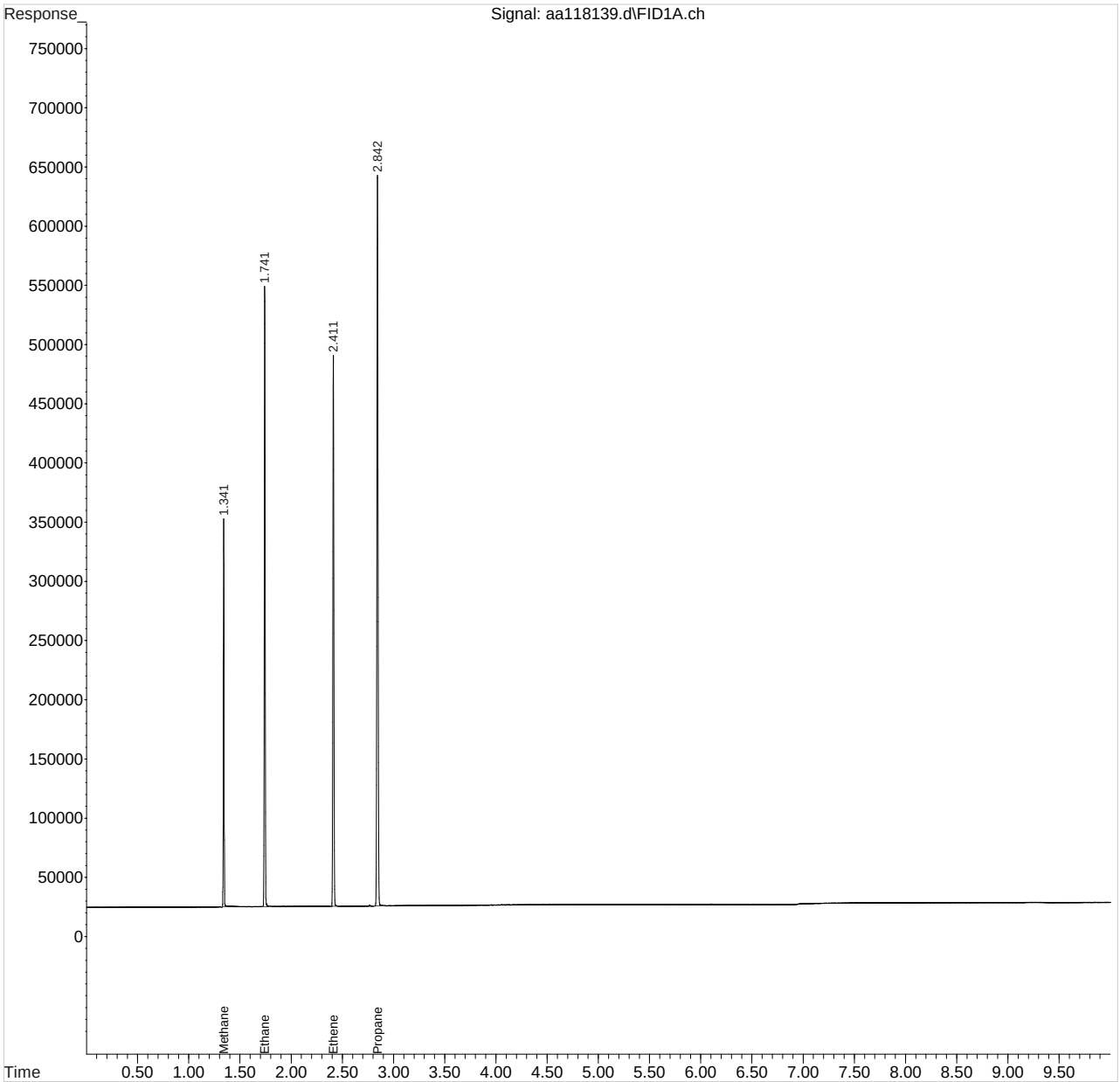
11.8.10 11

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118139.d
Signal(s) : FID1A.ch
Acq On : 22 Oct 2025 6:05 am
Operator : williamc
Sample : cc3333-100
Misc : GC65408,GAA3393,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 22 06:15:50 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118158.d
Signal(s) : FID1A.ch
Acq On : 22 Oct 2025 10:39 am
Operator : williamc
Sample : cc3333-100
Misc : GC65402,GAA3393,,,,,1
ALS Vial : 20 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 22 10:50:01 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	1.341	1621817	98.943	PPMV
2)	Ethane	1.741	3113215	100.290	PPMV
3)	Ethene	2.412	3127579	100.117	PPMV
4)	Propane	2.842	4779081	100.604	PPMV

(f)=RT Delta > 1/2 Window (m)=manual int.

11.8.11

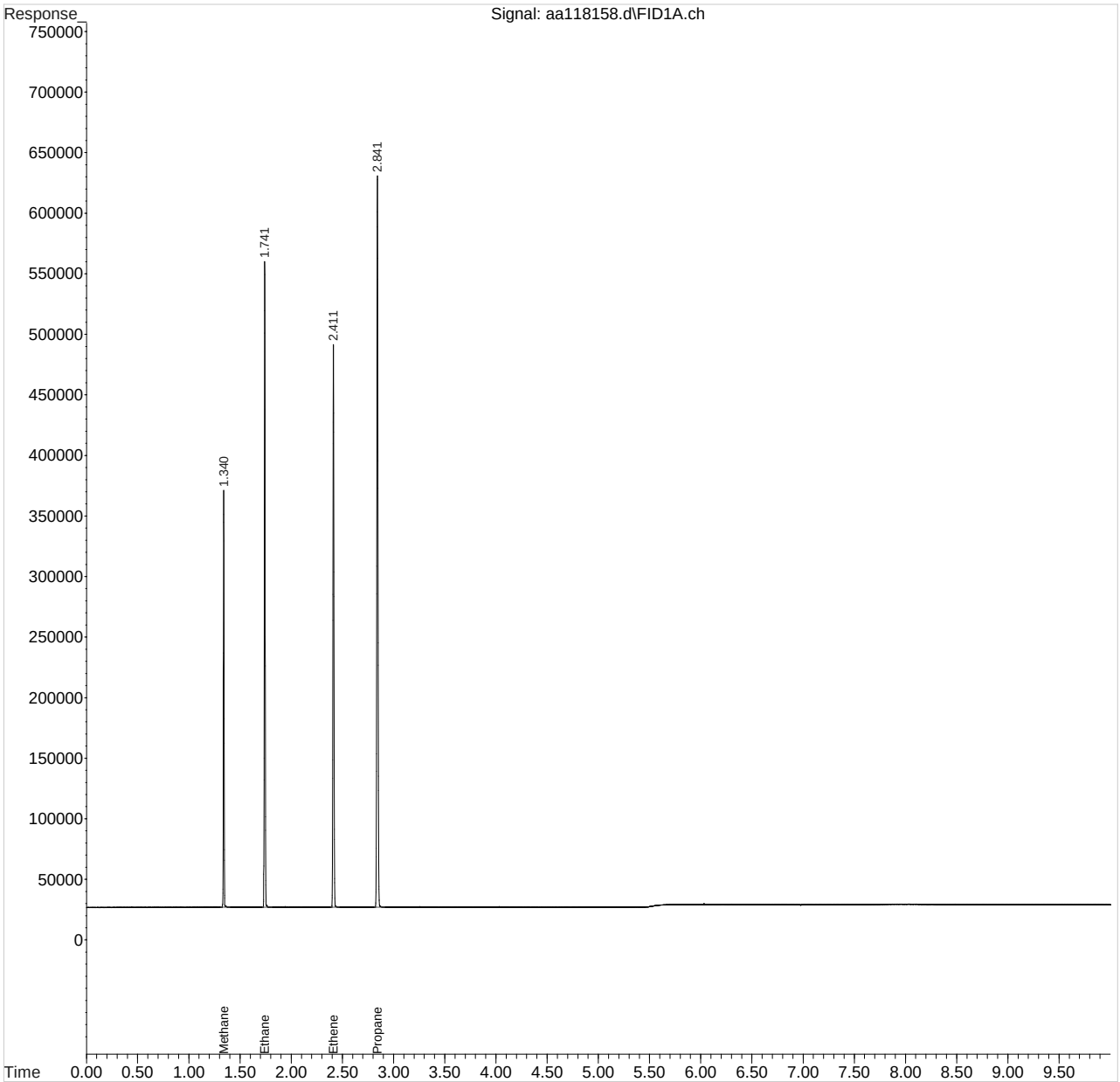
11

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118158.d
Signal(s) : FID1A.ch
Acq On : 22 Oct 2025 10:39 am
Operator : williamc
Sample : cc3333-100
Misc : GC65402,GAA3393,,,,,1
ALS Vial : 20 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 22 10:50:01 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118173.d
Signal(s) : FID1A.ch
Acq On : 22 Oct 2025 2:55 pm
Operator : williamc
Sample : cc3333-100
Misc : GC65392,GAA3393,,,,,1
ALS Vial : 35 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 22 15:05:49 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	1.336	1435063	87.550	PPMV
2)	Ethane	1.737	2748723	88.548	PPMV
3)	Ethene	2.411	2761469	88.397	PPMV
4)	Propane	2.841	4218043	88.793	PPMV

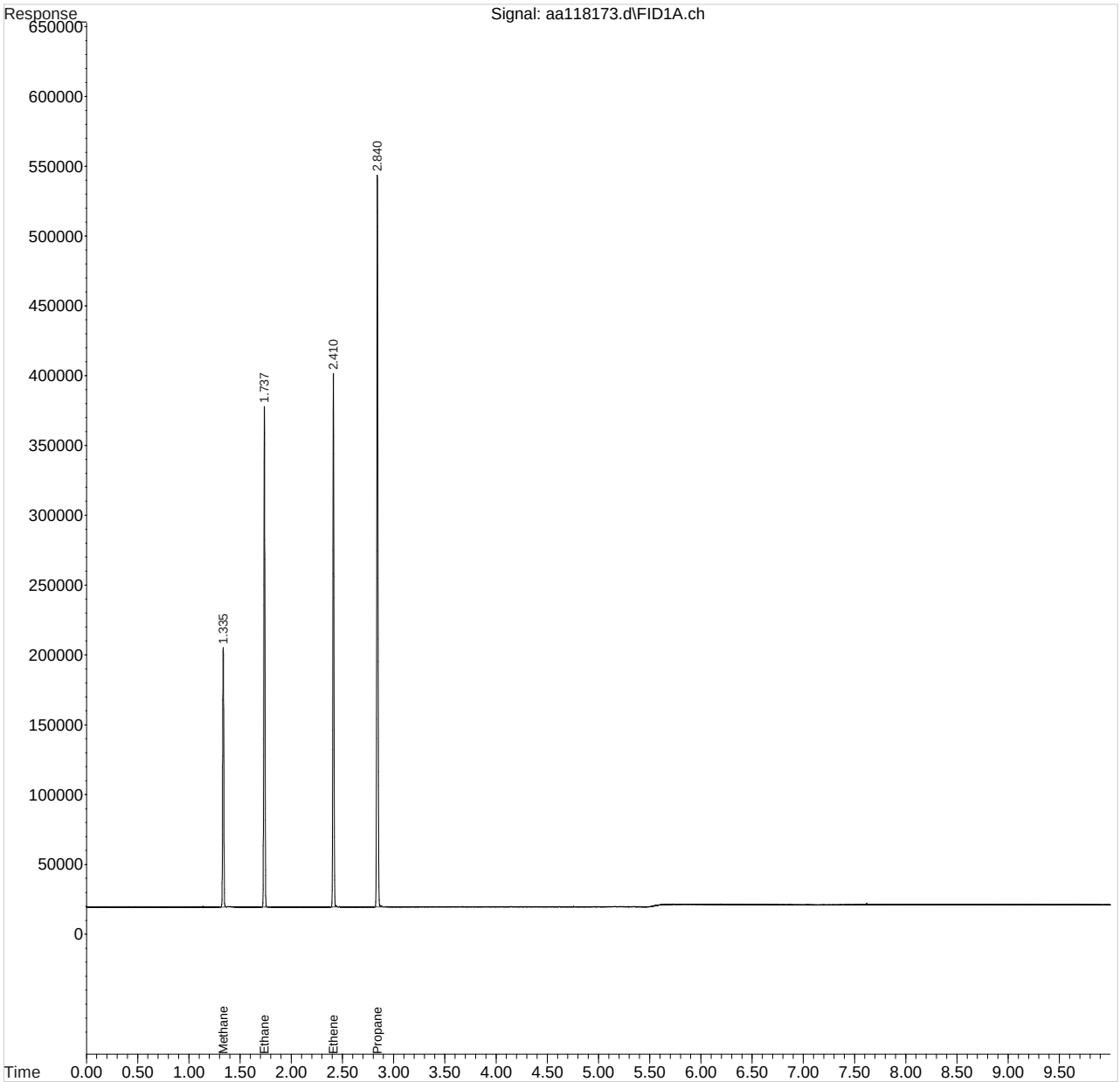
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118173.d
Signal(s) : FID1A.ch
Acq On : 22 Oct 2025 2:55 pm
Operator : williamc
Sample : cc3333-100
Misc : GC65392,GAA3393,,,,,1
ALS Vial : 35 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 22 15:05:49 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118181.d
Signal(s) : FID1A.ch
Acq On : 22 Oct 2025 4:52 pm
Operator : williamc
Sample : cc3333-100
Misc : GC65392,GAA3393,,,,,1
ALS Vial : 43 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 22 17:02:14 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	1.340	1655839	101.019	PPMV
2)	Ethane	1.741	3182902	102.535	PPMV
3)	Ethene	2.414	3196427	102.320	PPMV
4)	Propane	2.843	4883177	102.795	PPMV

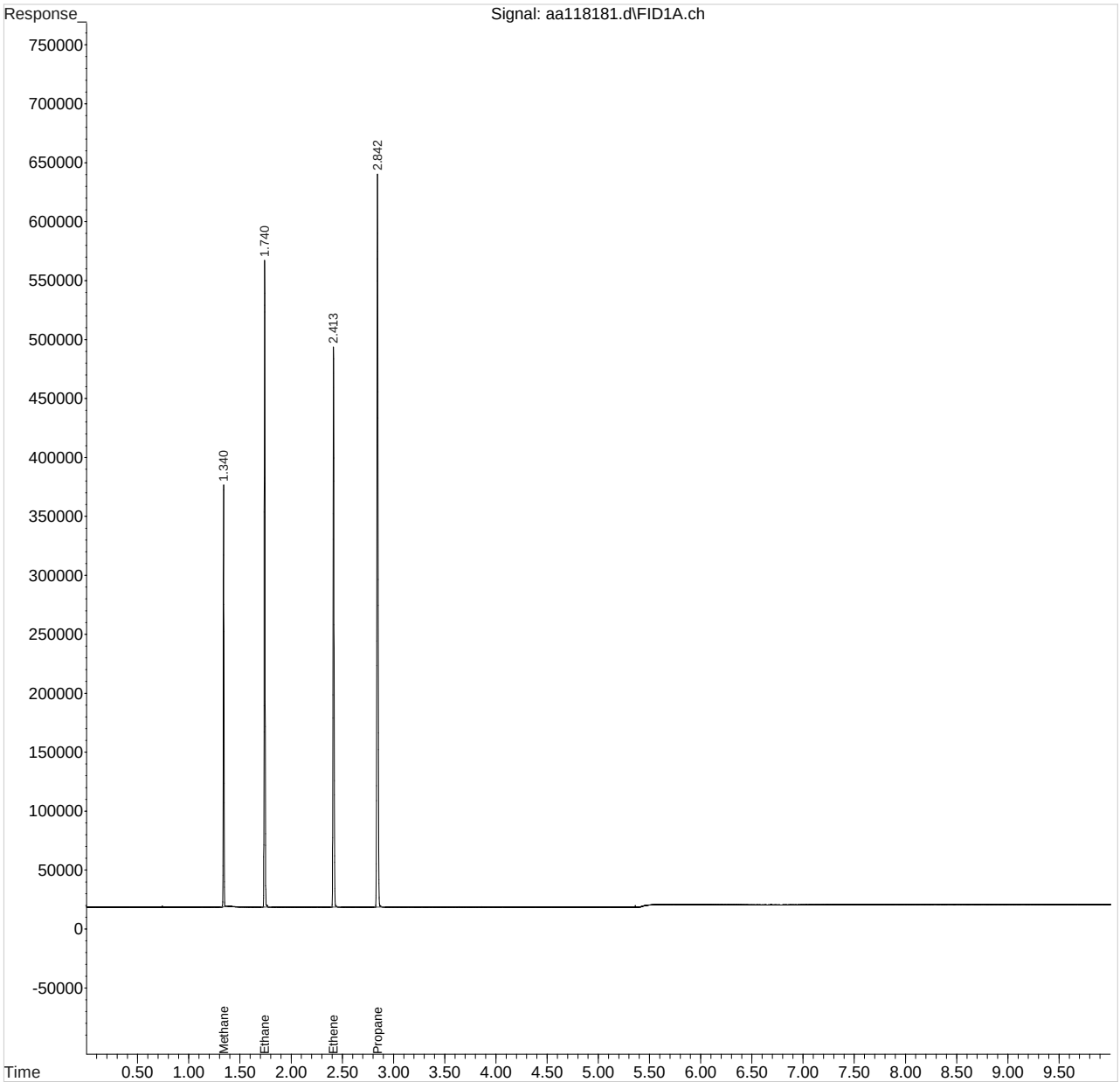
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118181.d
Signal(s) : FID1A.ch
Acq On : 22 Oct 2025 4:52 pm
Operator : williamc
Sample : cc3333-100
Misc : GC65392,GAA3393,,,,,1
ALS Vial : 43 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 22 17:02:14 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\GKM588\
Data File : KM14014.D
Signal(s) : FID1A.CH
Acq On : 09 Oct 2025 3:58 pm
Operator : johnn
Sample : IC588-200
Misc : GC65359,GKM588,5.0,,,,1
ALS Vial : 8 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 09 18:50:21 2025
Quant Method : C:\MSDCHEM\1\METHODS\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Thu Oct 09 18:50:07 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) S a,a,a-Trifluorotoluene	10.971	209303400	277.757 ug/l
Spiked Amount 300.000	Range 70 - 116	Recovery = 92.59%	
Target Compounds			
1) H TPH-GRO (C6-C10)	10.970	89843651	256.868 ug/l
2) H TPH-GRO (C6-C12)	10.970	85320459	292.522 ug/l

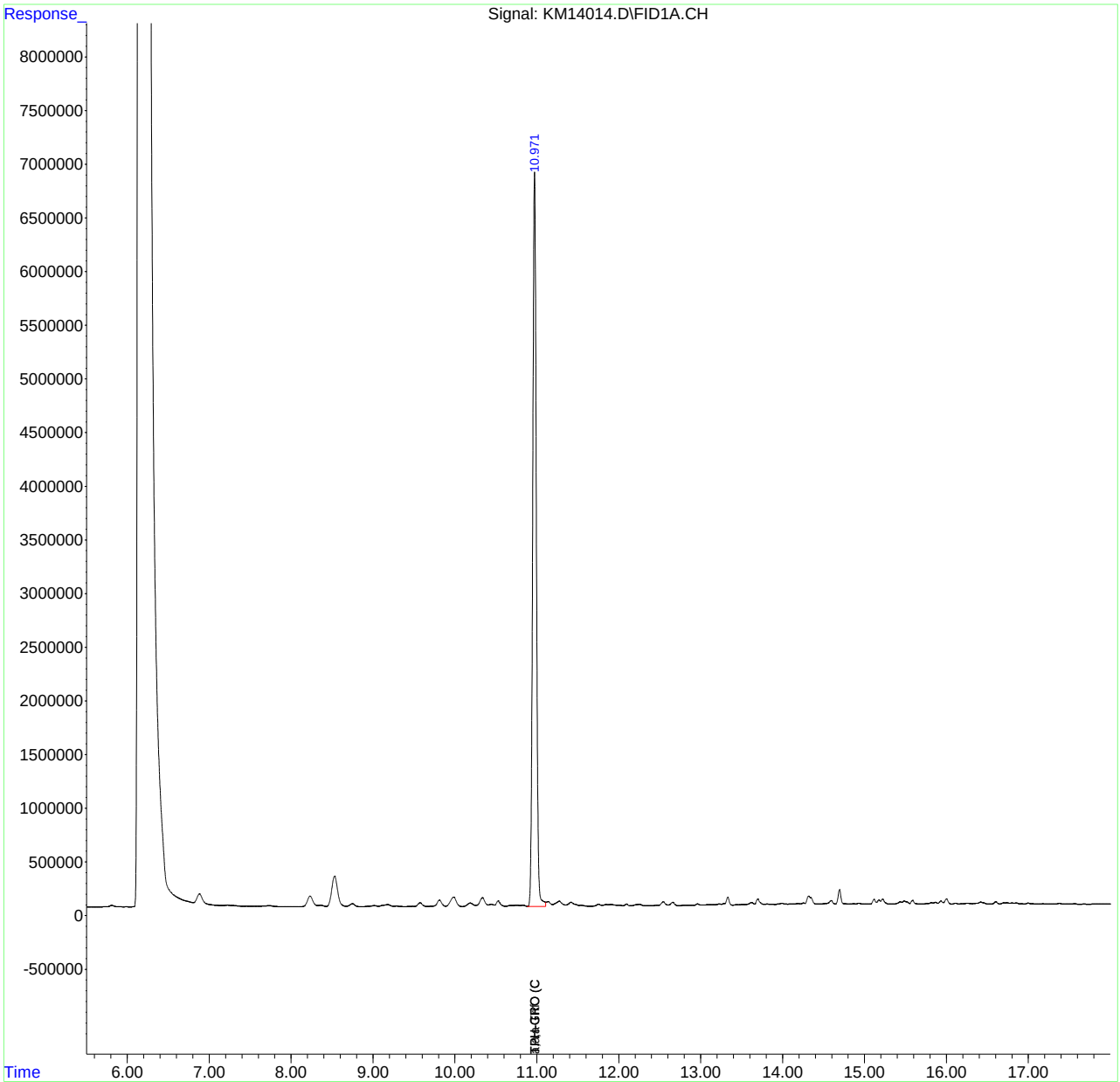
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

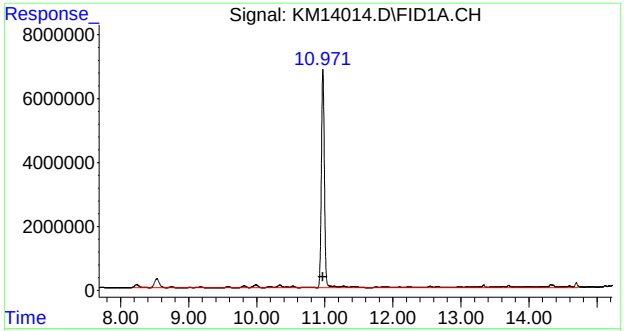
Data Path : C:\msdchem\1\DATA\GKM588\
Data File : KM14014.D
Signal(s) : FID1A.CH
Acq On : 09 Oct 2025 3:58 pm
Operator : johnn
Sample : IC588-200
Misc : GC65359,GKM588,5.0,,,,1
ALS Vial : 8 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 09 18:50:21 2025
Quant Method : C:\MSDCHEM\1\METHODS\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Thu Oct 09 18:50:07 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

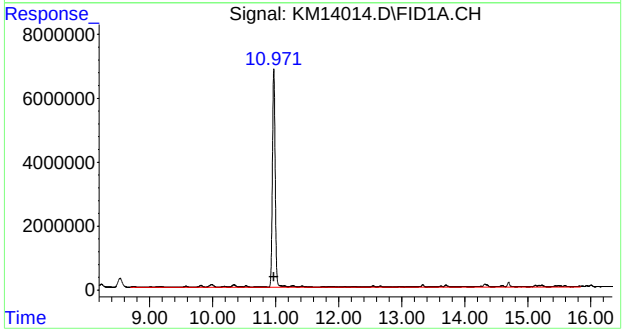


11.8.14 11



#1 TPH-GRO (C6-C10)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 89843651
Conc: 256.87 ug/l m



#2 TPH-GRO (C6-C12)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 85320459
Conc: 292.52 ug/l m

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\GKM588\
Data File : KM14015.D
Signal(s) : FID1A.CH
Acq On : 09 Oct 2025 4:23 pm
Operator : johnn
Sample : IC588-800
Misc : GC65359,GKM588,5.0,,,,1
ALS Vial : 9 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 09 18:50:22 2025
Quant Method : C:\MSDCHEM\1\METHODS\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Thu Oct 09 18:50:07 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) S a,a,a-Trifluorotoluene	10.969	210295055	279.073 ug/l
Spiked Amount 300.000	Range 70 - 116	Recovery = 93.02%	
Target Compounds			
1) H TPH-GRO (C6-C10)	10.970	284901427	814.548 ug/l
2) H TPH-GRO (C6-C12)	10.970	242615077	831.807 ug/l

(f)=RT Delta > 1/2 Window (m)=manual int.

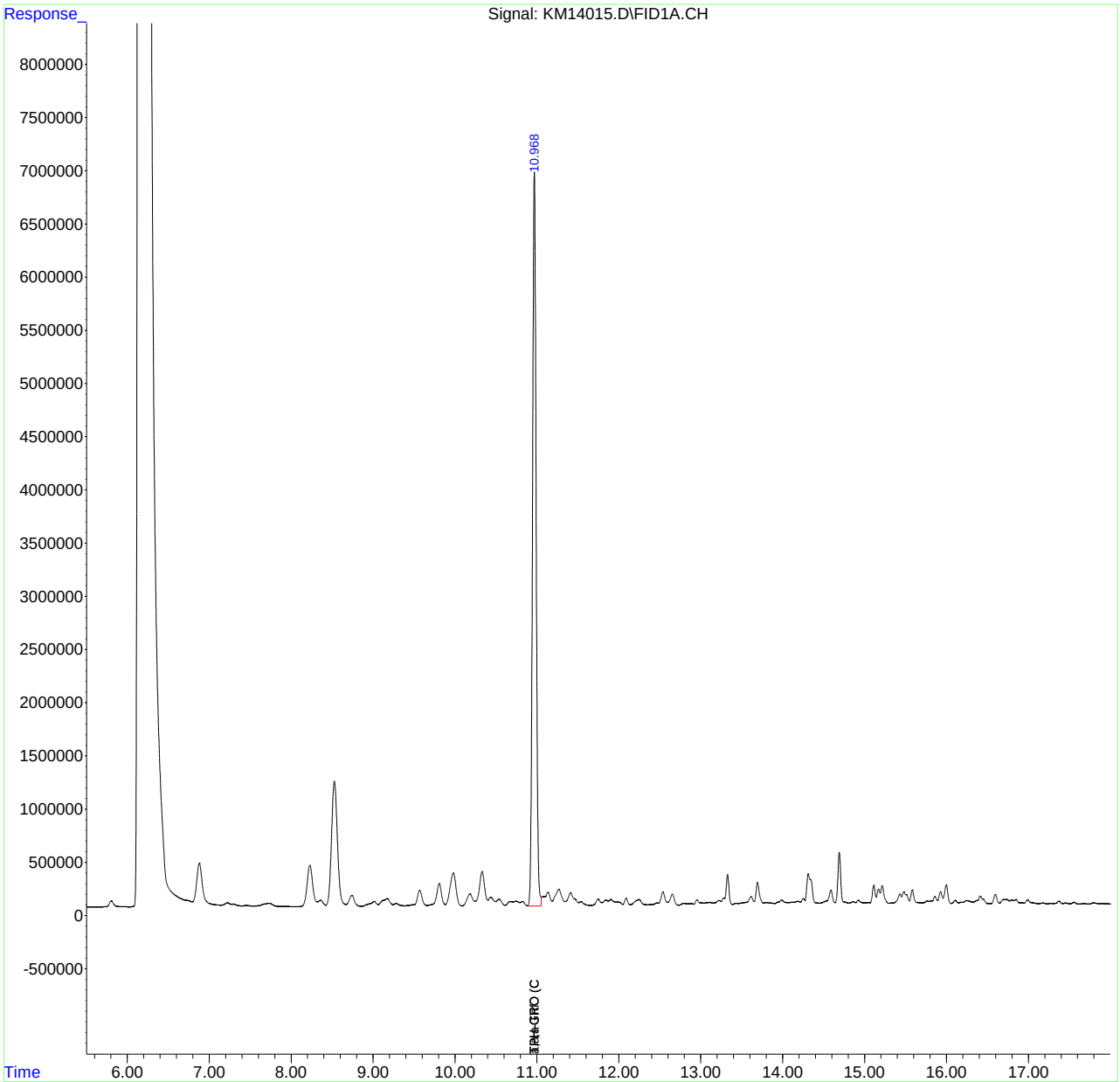
11.8.15 11

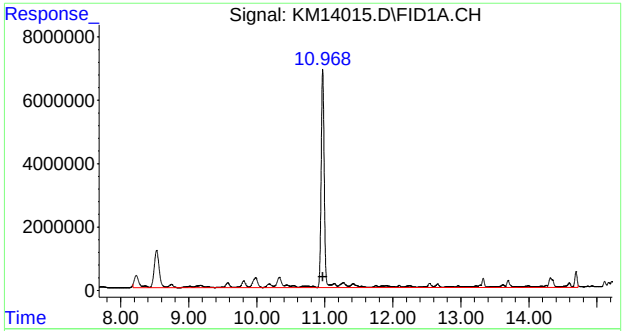
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\GKM588\
Data File : KM14015.D
Signal(s) : FID1A.CH
Acq On : 09 Oct 2025 4:23 pm
Operator : johnn
Sample : IC588-800
Misc : GC65359,GKM588,5.0,,,,1
ALS Vial : 9 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 09 18:50:22 2025
Quant Method : C:\MSDCHEM\1\METHODS\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Thu Oct 09 18:50:07 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

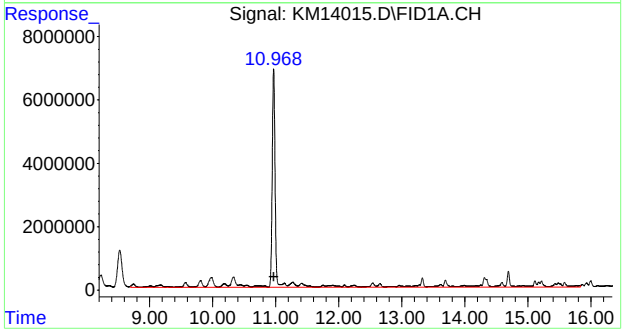
Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um





#1 TPH-GRO (C6-C10)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 284901427
Conc: 814.55 ug/l m



#2 TPH-GRO (C6-C12)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 242615077
Conc: 831.81 ug/l m

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\GKM588\
Data File : KM14016.D
Signal(s) : FID1A.CH
Acq On : 09 Oct 2025 4:49 pm
Operator : johnn
Sample : IC588-4000
Misc : GC65359,GKM588,5.0,,,,1
ALS Vial : 10 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 09 18:50:23 2025
Quant Method : C:\MSDCHEM\1\METHODS\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Thu Oct 09 18:50:07 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) S a,a,a-Trifluorotoluene	10.970	219616982	291.444 ug/l
Spiked Amount 300.000	Range 70 - 116	Recovery = 97.15%	
Target Compounds			
1) H TPH-GRO (C6-C10)	10.970	1477217736	4223.442 ug/l
2) H TPH-GRO (C6-C12)	10.970	1220920848	4185.933 ug/l

(f)=RT Delta > 1/2 Window (m)=manual int.

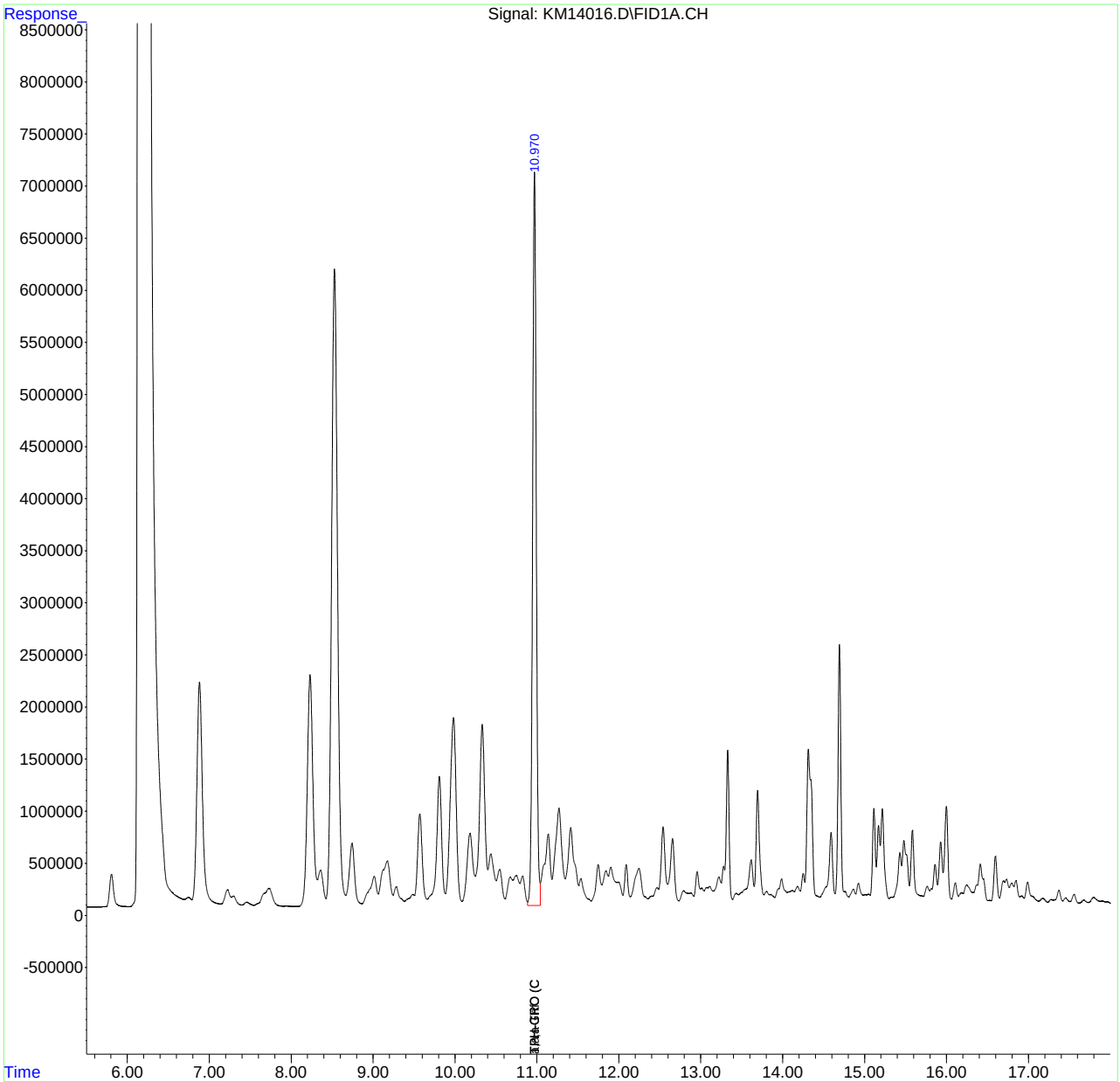
11.8.16 11

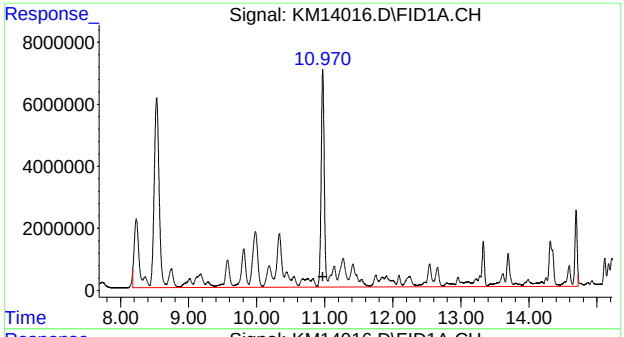
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\GKM588\
Data File : KM14016.D
Signal(s) : FID1A.CH
Acq On : 09 Oct 2025 4:49 pm
Operator : johnn
Sample : IC588-4000
Misc : GC65359,GKM588,5.0,,,,1
ALS Vial : 10 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 09 18:50:23 2025
Quant Method : C:\MSDCHEM\1\METHODS\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Thu Oct 09 18:50:07 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

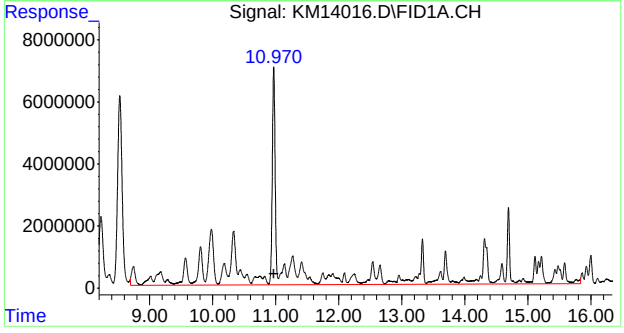
Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um





#1 TPH-GRO (C6-C10)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 1477217736
Conc: 4223.44 ug/l m



#2 TPH-GRO (C6-C12)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 1220920848
Conc: 4185.93 ug/l m

11.8.16 11

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\GKM588\
Data File : KM14017.D
Signal(s) : FID1A.CH
Acq On : 09 Oct 2025 5:15 pm
Operator : johnn
Sample : ICC588-8000
Misc : GC65359,GKM588,5.0,,,,1
ALS Vial : 11 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 09 18:50:24 2025
Quant Method : C:\MSDCHEM\1\METHODS\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Thu Oct 09 18:50:07 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) S a,a,a-Trifluorotoluene	10.969	226064251	300.000 ug/l
Spiked Amount 300.000	Range 70 - 116	Recovery = 100.00%	
Target Compounds			
1) H TPH-GRO (C6-C10)	10.970	2798130192	8000.000 ug/l
2) H TPH-GRO (C6-C12)	10.970	2333378751	8000.000 ug/l

(f)=RT Delta > 1/2 Window (m)=manual int.

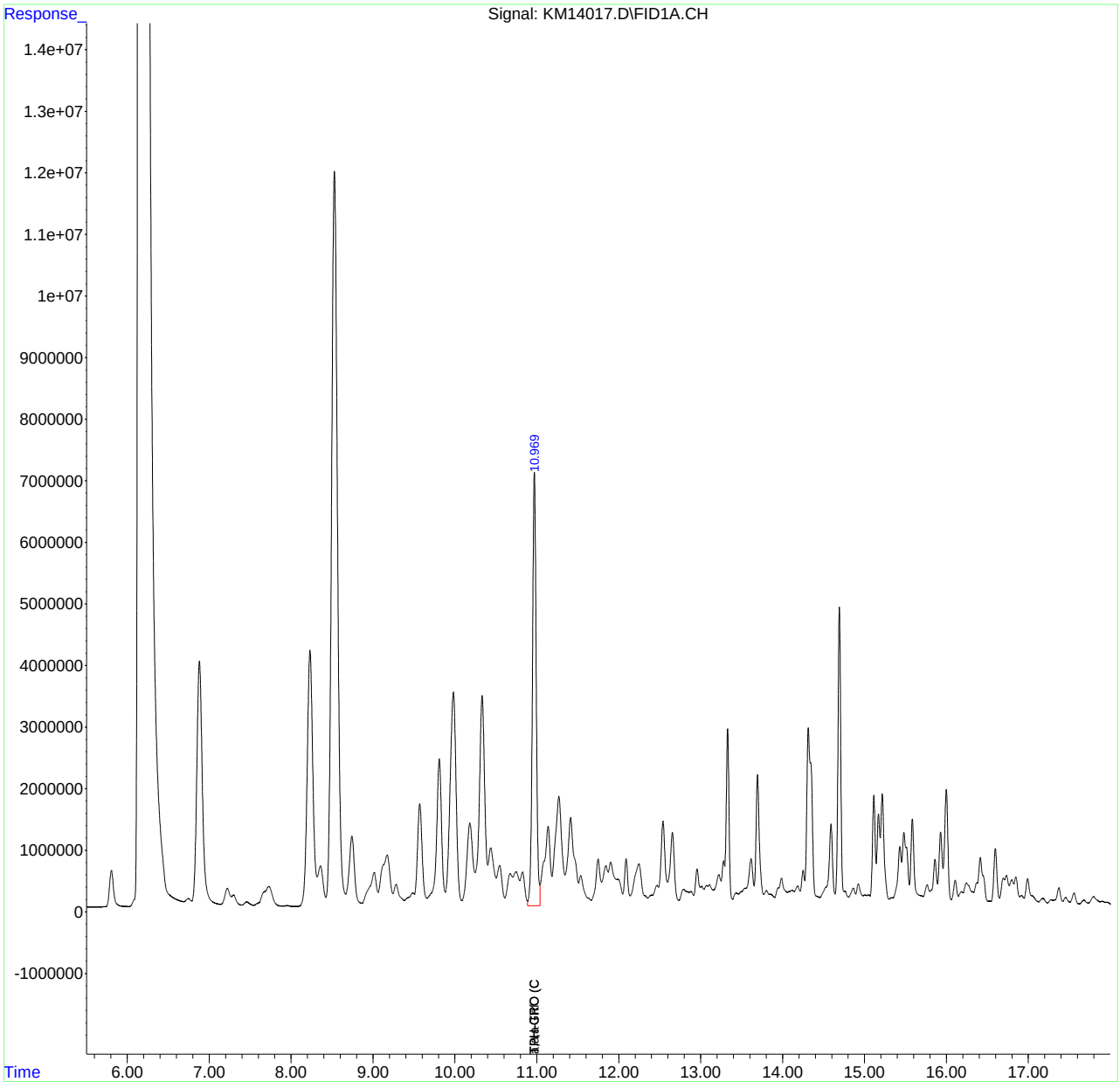
11.8.17 11

Quantitation Report (QT Reviewed)

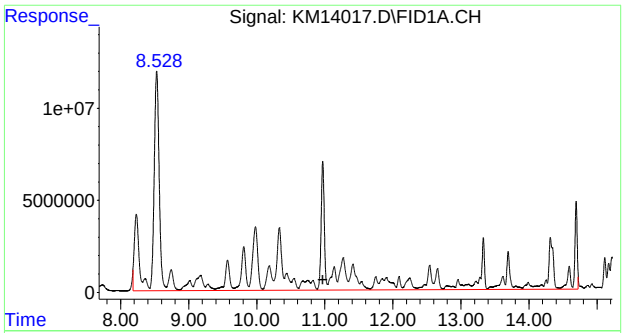
Data Path : C:\msdchem\1\DATA\GKM588\
Data File : KM14017.D
Signal(s) : FID1A.CH
Acq On : 09 Oct 2025 5:15 pm
Operator : johnn
Sample : ICC588-8000
Misc : GC65359,GKM588,5.0,,,,1
ALS Vial : 11 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 09 18:50:24 2025
Quant Method : C:\MSDCHEM\1\METHODS\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Thu Oct 09 18:50:07 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

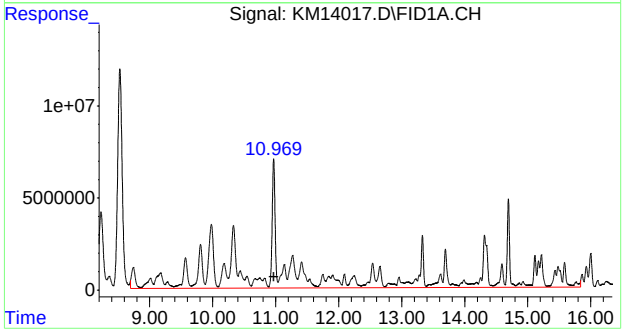


11.8.17
11



#1 TPH-GRO (C6-C10)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 2798130192
Conc: 8000.00 ug/l m



#2 TPH-GRO (C6-C12)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 2333378751
Conc: 8000.00 ug/l m

11.8.17
11

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\GKM588\
Data File : KM14018.D
Signal(s) : FID1A.CH
Acq On : 09 Oct 2025 5:41 pm
Operator : johnn
Sample : IC588-20000
Misc : GC65359,GKM588,5.0,,,,1
ALS Vial : 12 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 09 18:50:25 2025
Quant Method : C:\MSDCHEM\1\METHODS\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Thu Oct 09 18:50:07 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) S a,a,a-Trifluorotoluene	10.968	266036602	353.046 ug/l
Spiked Amount 300.000	Range 70 - 116	Recovery = 117.68%#	
Target Compounds			
1) H TPH-GRO (C6-C10)	10.970	7887732908	22551.439 ug/l
2) H TPH-GRO (C6-C12)	10.970	6651209776	22803.704 ug/l

(f)=RT Delta > 1/2 Window (m)=manual int.

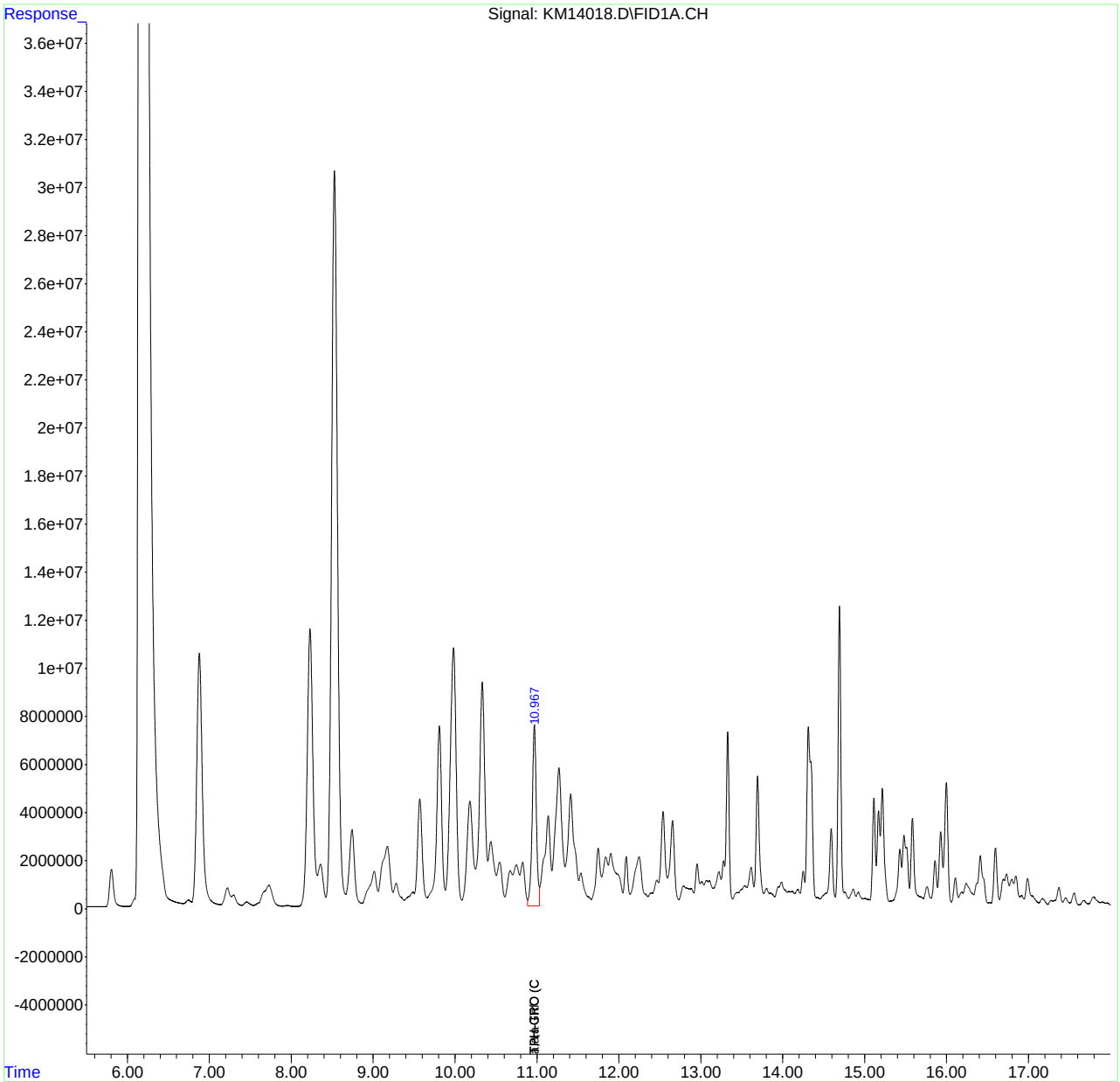
11.8.18 11

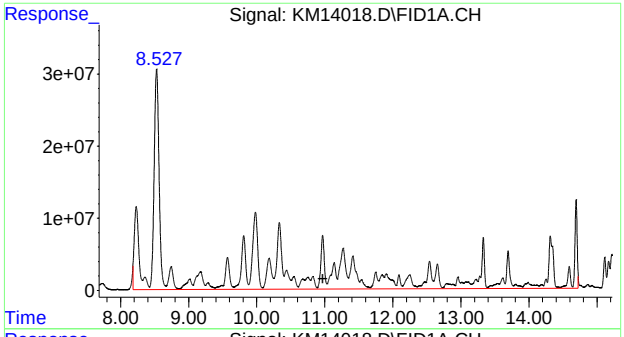
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\GKM588\
Data File : KM14018.D
Signal(s) : FID1A.CH
Acq On : 09 Oct 2025 5:41 pm
Operator : johnn
Sample : IC588-20000
Misc : GC65359,GKM588,5.0,,,,1
ALS Vial : 12 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 09 18:50:25 2025
Quant Method : C:\MSDCHEM\1\METHODS\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Thu Oct 09 18:50:07 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

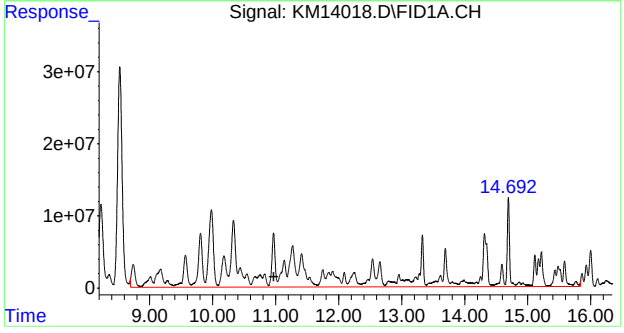
Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um





#1 TPH-GRO (C6-C10)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 7887732908
Conc: 22551.44 ug/l m



#2 TPH-GRO (C6-C12)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 6651209776
Conc: 22803.70 ug/l m

11.8.18 11

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\GKM588\
Data File : KM14019.D
Signal(s) : FID1A.CH
Acq On : 09 Oct 2025 6:06 pm
Operator : johnn
Sample : IC588-30000
Misc : GC65359,GKM588,5.0,,,,1
ALS Vial : 13 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 09 18:50:26 2025
Quant Method : C:\MSDCHEM\1\METHODS\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Thu Oct 09 18:50:07 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) S a,a,a-Trifluorotoluene	10.968	298297452	395.858 ug/l
Spiked Amount 300.000	Range 70 - 116	Recovery = 131.95%#	
Target Compounds			
1) H TPH-GRO (C6-C10)	10.970	11626805444	33241.643 ug/l
2) H TPH-GRO (C6-C12)	10.970	9690653022	33224.449 ug/l

(f)=RT Delta > 1/2 Window (m)=manual int.

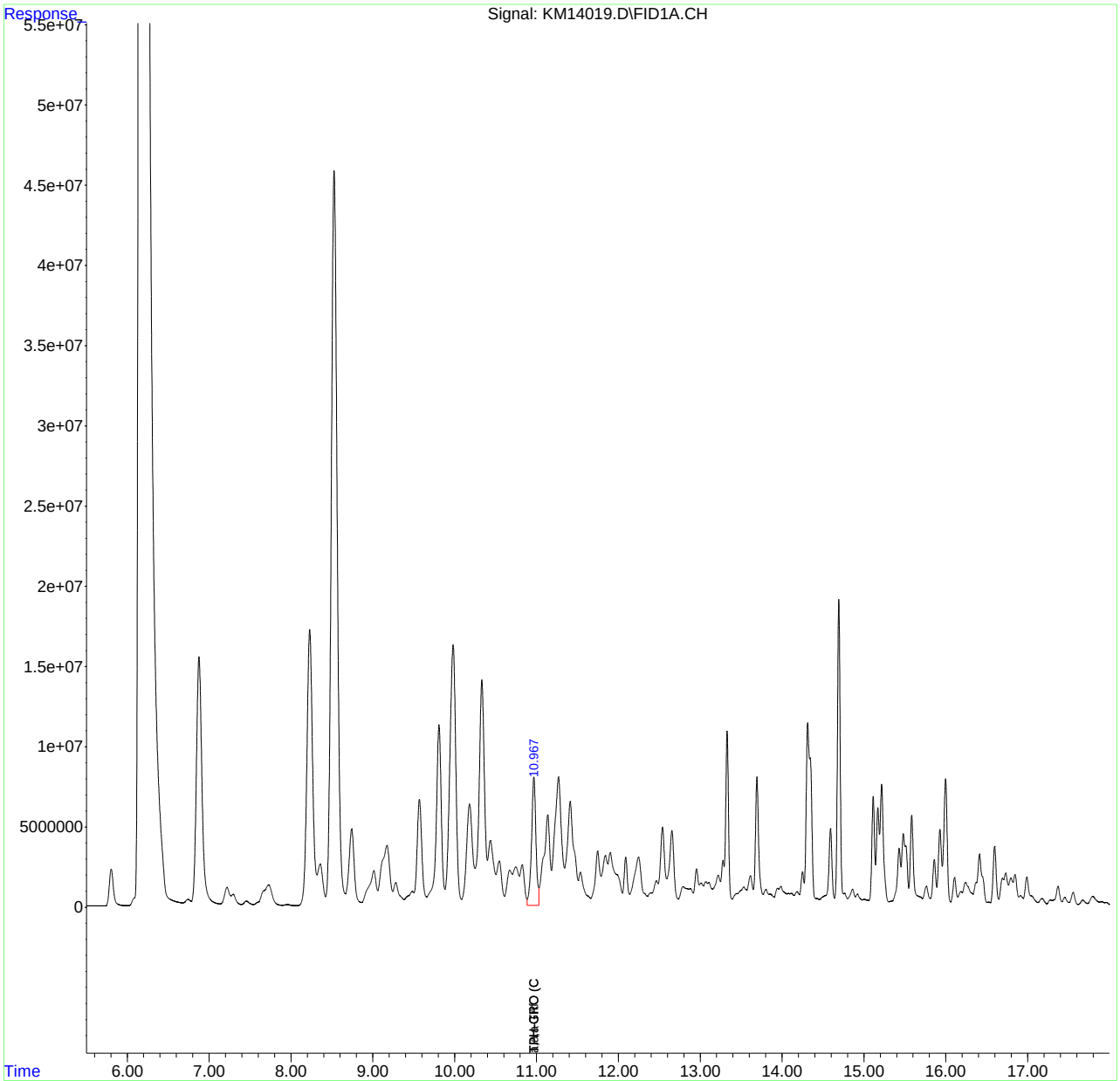
11.8.19
11

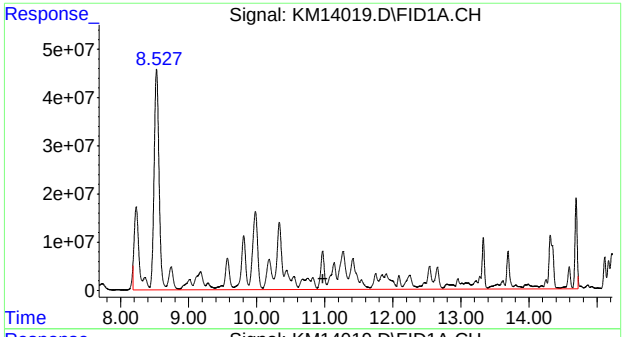
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\GKM588\
Data File : KM14019.D
Signal(s) : FID1A.CH
Acq On : 09 Oct 2025 6:06 pm
Operator : johnn
Sample : IC588-30000
Misc : GC65359,GKM588,5.0,,,,1
ALS Vial : 13 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 09 18:50:26 2025
Quant Method : C:\MSDCHEM\1\METHODS\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Thu Oct 09 18:50:07 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

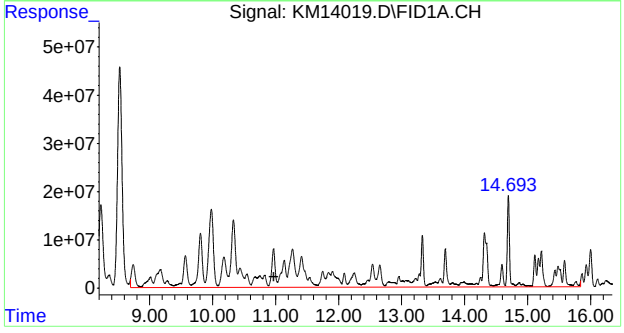
Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um





#1 TPH-GRO (C6-C10)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 11626805444
Conc: 33241.64 ug/l m



#2 TPH-GRO (C6-C12)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 9690653022
Conc: 33224.45 ug/l m

11.8.19
11

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\GKM588\
Data File : KM14025.D
Signal(s) : FID1A.CH
Acq On : 09 Oct 2025 8:38 pm
Operator : johnn
Sample : ICV588-8000
Misc : GC65359,GKM588,5.0,,,,1
ALS Vial : 19 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 10 09:53:40 2025
Quant Method : C:\MSDCHEM\1\METHODS\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) S a,a,a-Trifluorotoluene	10.969	226717190	285.455 ug/l
Spiked Amount 300.000	Range 70 - 116	Recovery = 95.15%	
Target Compounds			
1) H TPH-GRO (C6-C10)	10.970	3065113348	7973.889 ug/l
2) H TPH-GRO (C6-C12)	10.970	2934378004	8881.487 ug/l

(f)=RT Delta > 1/2 Window (m)=manual int.

11.8.20

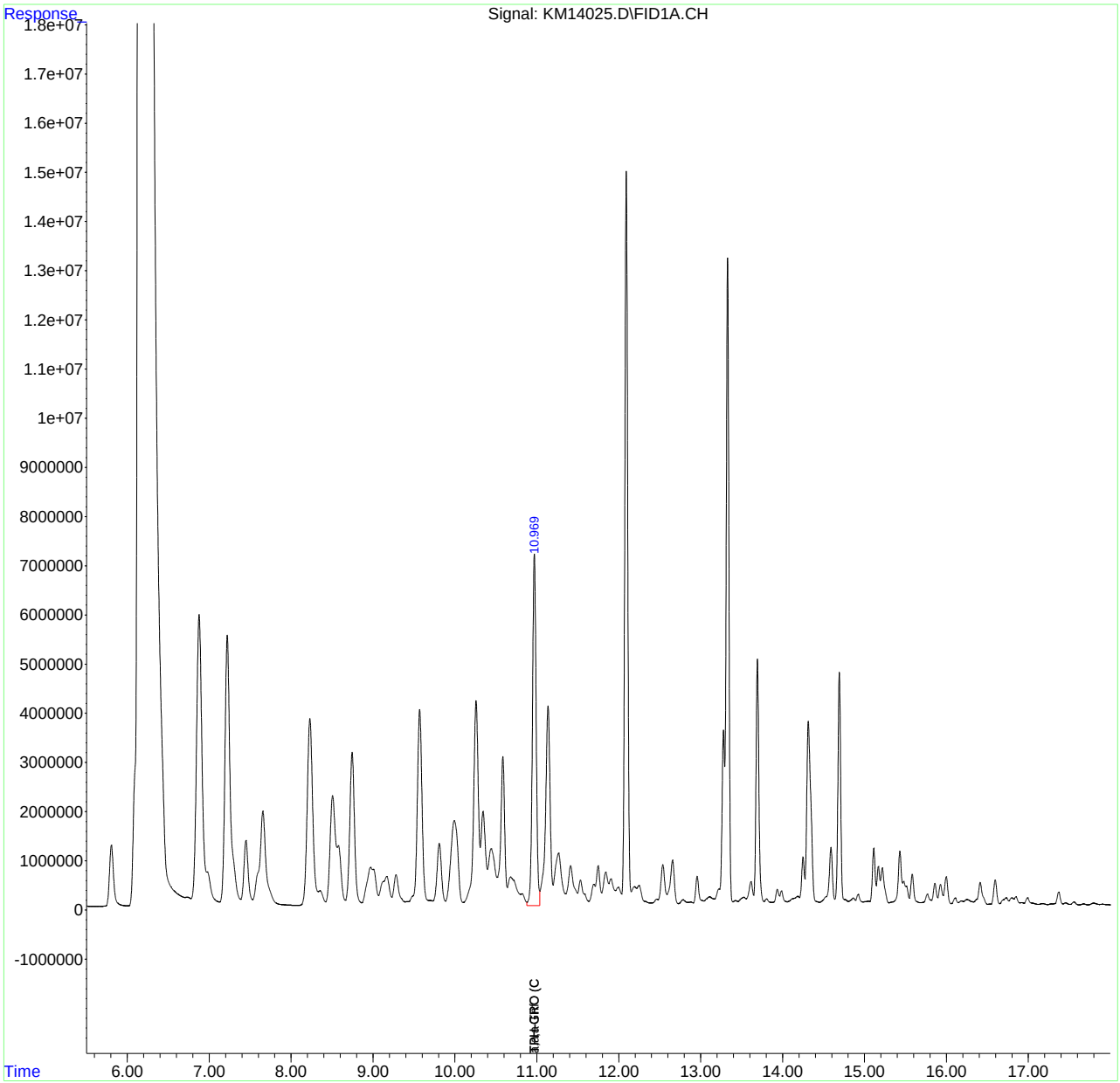
11

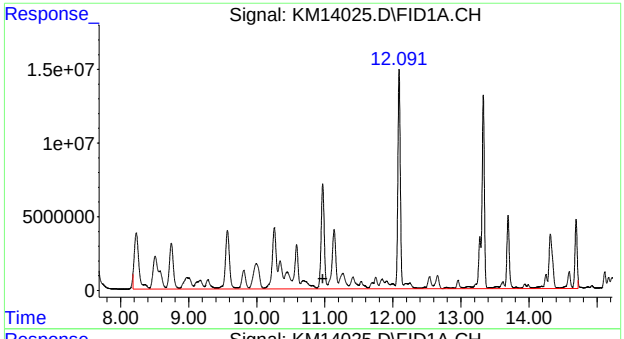
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\GKM588\
Data File : KM14025.D
Signal(s) : FID1A.CH
Acq On : 09 Oct 2025 8:38 pm
Operator : johnn
Sample : ICV588-8000
Misc : GC65359,GKM588,5.0,,,,1
ALS Vial : 19 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 10 09:53:40 2025
Quant Method : C:\MSDCHEM\1\METHODS\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

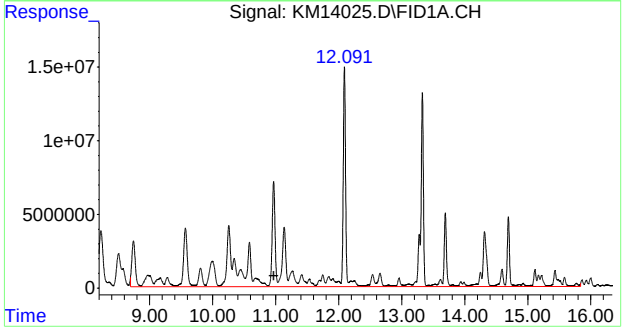
Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um





#1 TPH-GRO (C6-C10)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 3065113348
Conc: 7973.89 ug/l m



#2 TPH-GRO (C6-C12)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 2934378004
Conc: 8881.49 ug/l m

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\Claireb\1. Batches\2025\10. October\10-21-2025\GKM597\
Data File : KM14250.D
Signal(s) : FID1A.CH
Acq On : 20 Oct 2025 10:52 pm
Operator : johnn
Sample : cc588-4000
Misc : GC65322,GKM597,5.0,,100,5,1
ALS Vial : 29 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 22 00:04:53 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) S a,a,a-Trifluorotoluene	10.978	224746527	282.974 ug/l
Spiked Amount 300.000	Range 70 - 116	Recovery = 94.32%	
Target Compounds			
1) H TPH-GRO (C6-C10)	10.970	1535030240	3993.380 ug/l
2) H TPH-GRO (C6-C12)	10.970	1318760663	3991.495 ug/l

(f)=RT Delta > 1/2 Window (m)=manual int.

11.8.21

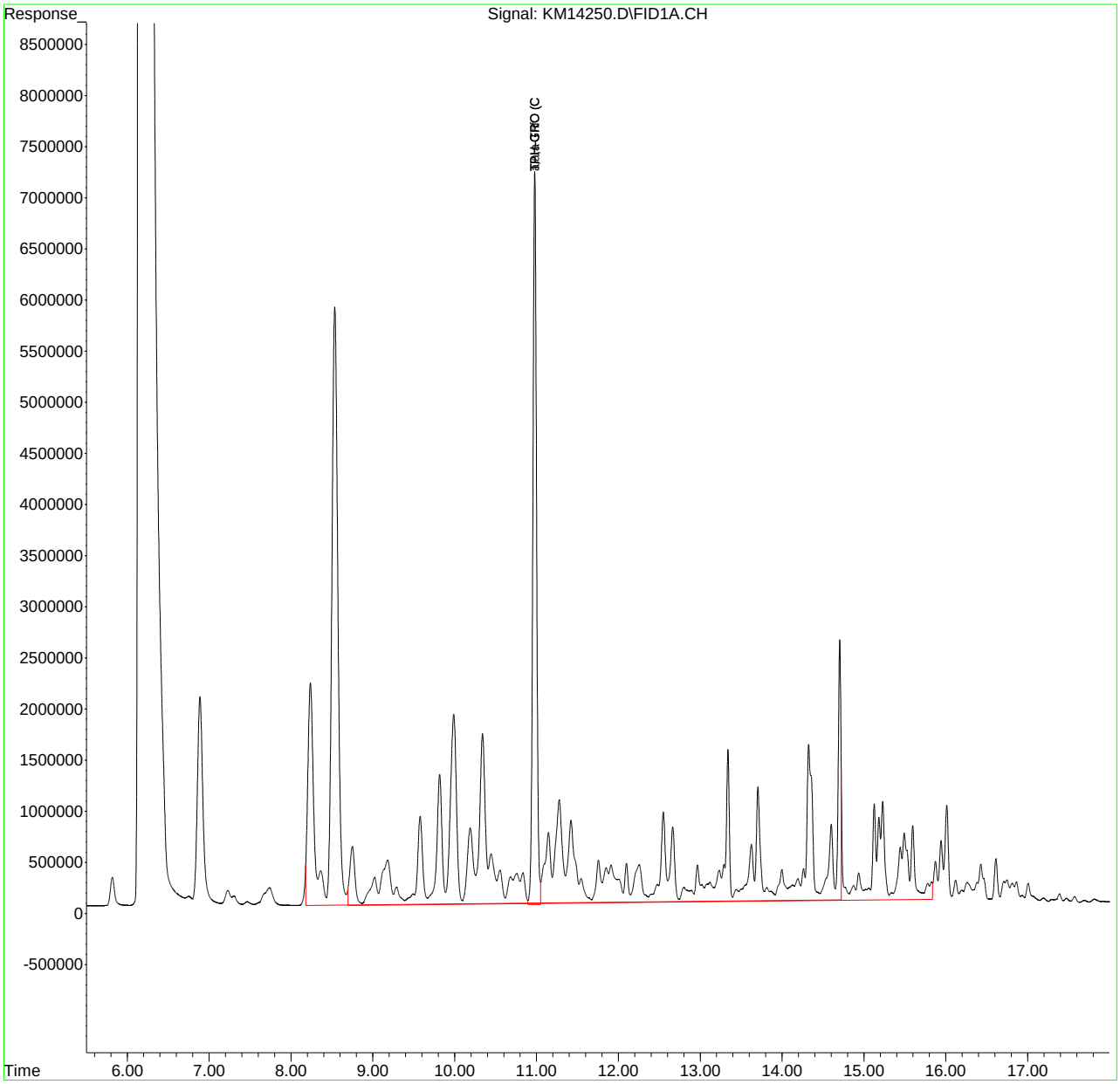
11

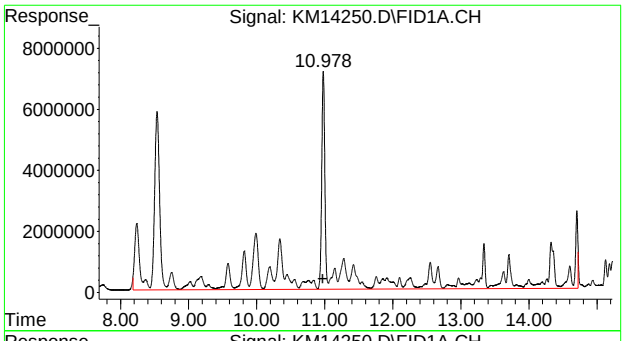
Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\Claireb\1. Batches\2025\10. October\10-21-2025\GKM597\
Data File : KM14250.D
Signal(s) : FID1A.CH
Acq On : 20 Oct 2025 10:52 pm
Operator : johnn
Sample : cc588-4000
Misc : GC65322,GKM597,5.0,,100,5,1
ALS Vial : 29 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 22 00:04:53 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

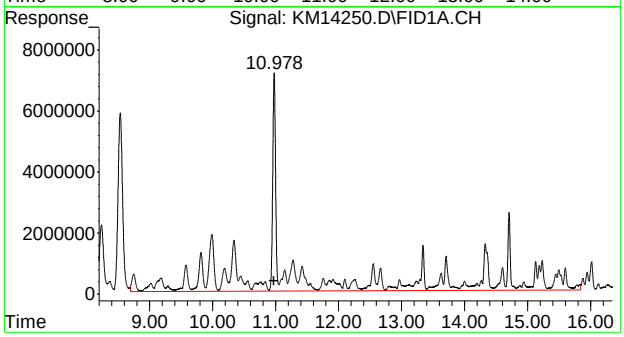
Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um





#1 TPH-GRO (C6-C10)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 1535030240
Conc: 3993.38 ug/l



#2 TPH-GRO (C6-C12)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 1318760663
Conc: 3991.50 ug/l

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Oct 2025\10-22-25\GKM598\
Data File : KM14254.D
Signal(s) : FID1A.CH
Acq On : 21 Oct 2025 10:39 am
Operator : johnn
Sample : cc588-8000
Misc : GC65322,GKM598,5.0,,100,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 22 06:49:02 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) S a,a,a-Trifluorotoluene	10.979	235509484	296.526 ug/l
Spiked Amount 300.000	Range 70 - 116	Recovery = 98.84%	
Target Compounds			
1) H TPH-GRO (C6-C10)	10.970	3189396503	8297.212 ug/l
2) H TPH-GRO (C6-C12)	10.970	2775944547	8401.956 ug/l

(f)=RT Delta > 1/2 Window (m)=manual int.

11.8.22

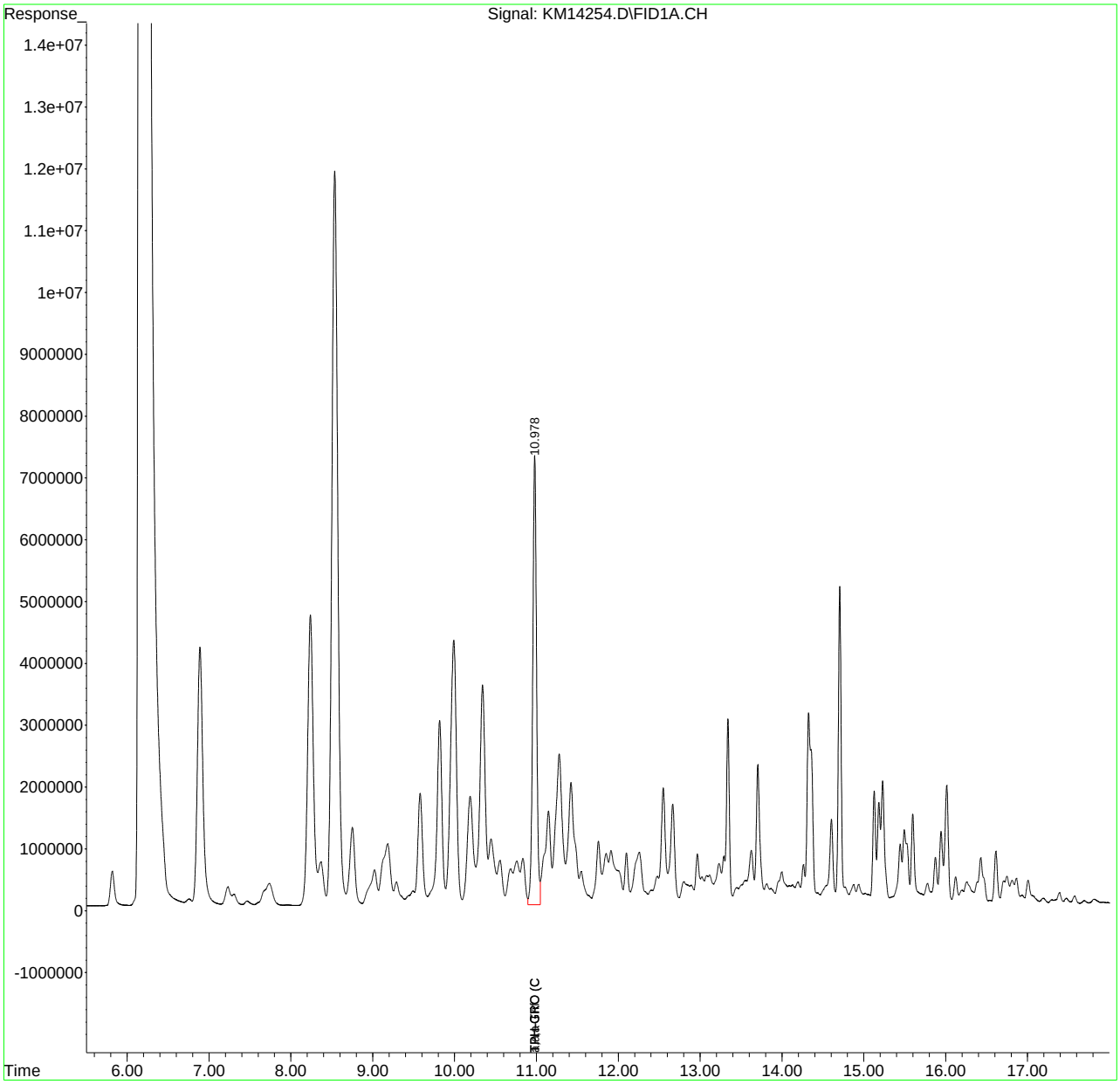
11

Quantitation Report (QT Reviewed)

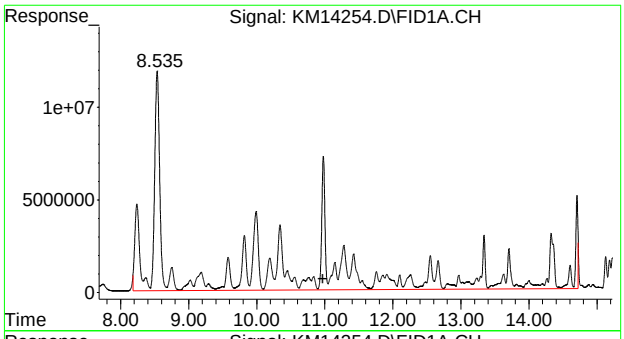
Data Path : X:\Dayton VOA GCMS\rosanlie\Oct 2025\10-22-25\GKM598\
Data File : KM14254.D
Signal(s) : FID1A.CH
Acq On : 21 Oct 2025 10:39 am
Operator : johnn
Sample : cc588-8000
Misc : GC65322,GKM598,5.0,,100,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 22 06:49:02 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

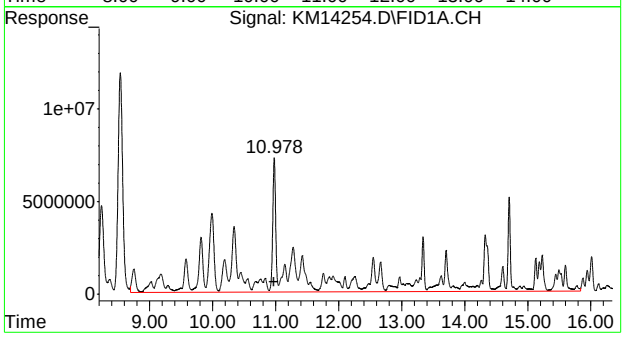


11.8.22 11



#1 TPH-GRO (C6-C10)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 3189396503
Conc: 8297.21 ug/l



#2 TPH-GRO (C6-C12)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 2775944547
Conc: 8401.96 ug/l

11.8.22
11

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\rosanlie\Oct 2025\10-22-25\GKM598\
Data File : KM14264.D
Signal(s) : FID1A.CH
Acq On : 21 Oct 2025 3:55 pm
Operator : johnn
Sample : cc588-4000
Misc : GC65370,GKM598,5.0,,,,1
ALS Vial : 14 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 22 06:49:45 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) S a,a,a-Trifluorotoluene	10.979	226057543	284.625 ug/l
Spiked Amount 300.000	Range 70 - 116	Recovery = 94.88%	
Target Compounds			
1) H TPH-GRO (C6-C10)	10.970	1633077065	4248.448 ug/l
2) H TPH-GRO (C6-C12)	10.970	1458361466	4414.025 ug/l

(f)=RT Delta > 1/2 Window (m)=manual int.

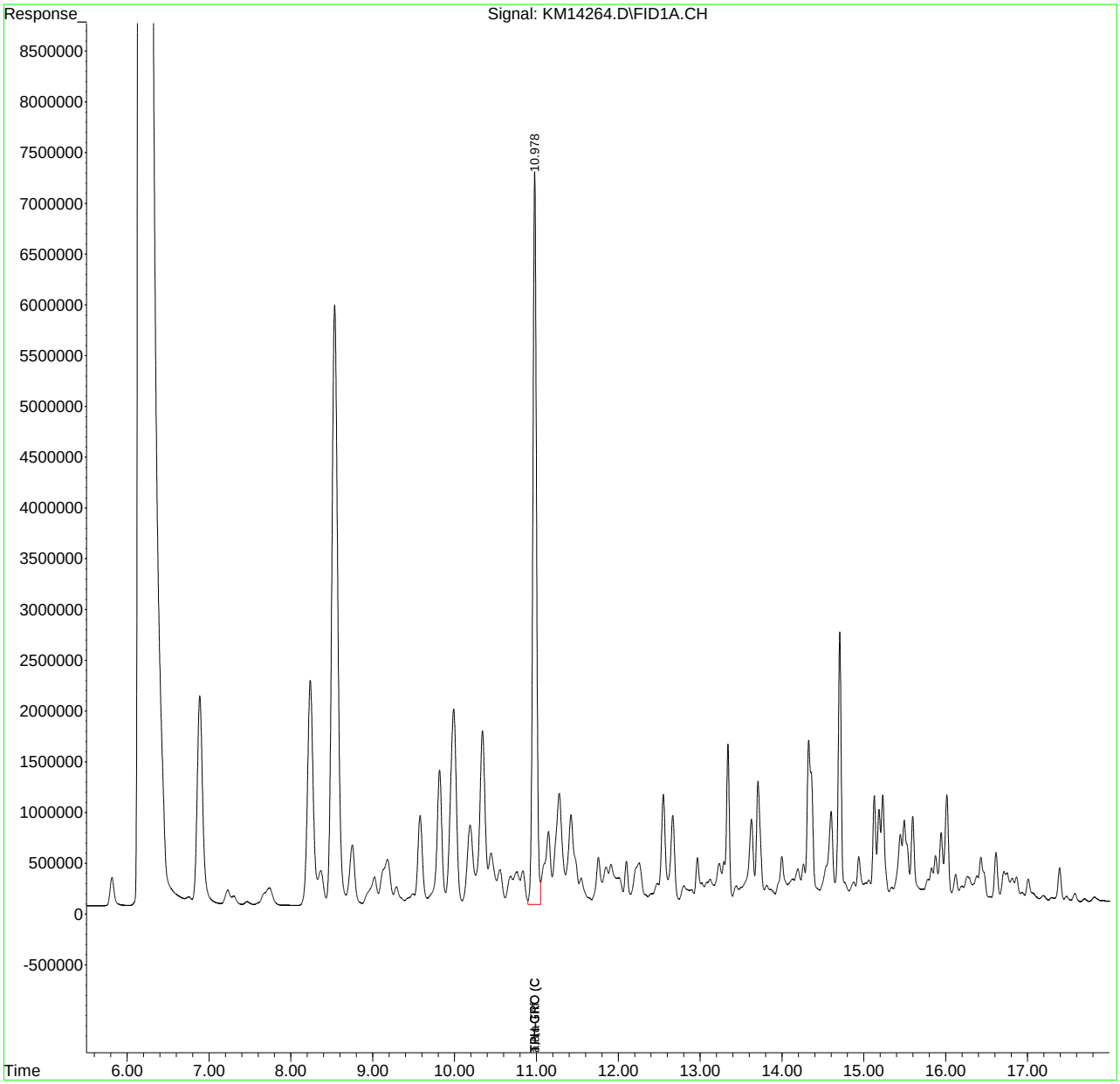
11.8.23 11

Quantitation Report (QT Reviewed)

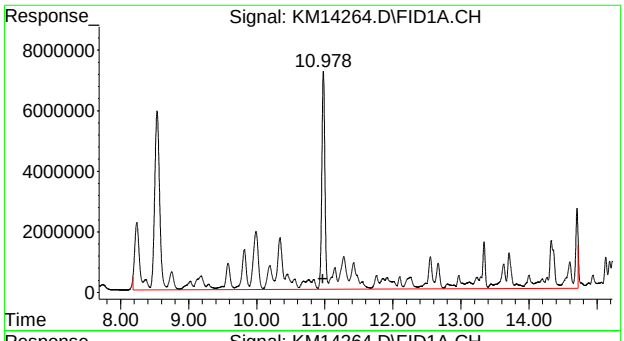
Data Path : X:\Dayton VOA GCMS\rosanlie\Oct 2025\10-22-25\GKM598\
Data File : KM14264.D
Signal(s) : FID1A.CH
Acq On : 21 Oct 2025 3:55 pm
Operator : johnn
Sample : cc588-4000
Misc : GC65370,GKM598,5.0,,,,1
ALS Vial : 14 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 22 06:49:45 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

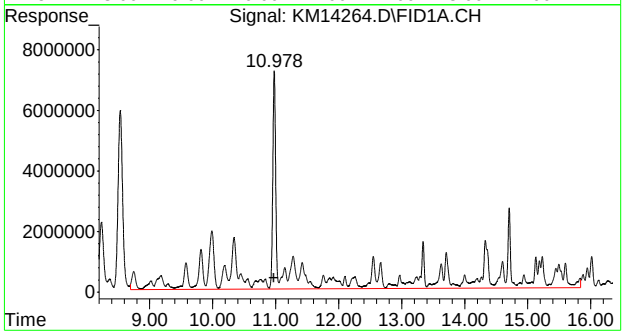


11.8.23 11



#1 TPH-GRO (C6-C10)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 1633077065
Conc: 4248.45 ug/l



#2 TPH-GRO (C6-C12)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 1458361466
Conc: 4414.03 ug/l

SGS

DISSOLVED GASES by GC-FID/TCD ANALYSIS LOG (RSK-175)

		Standard Information							
		Standard (Primary)				LCS (Secondary)			
Target Analytes	MW (g/mol)	Lot #	Expiration Date	Conc. (ppmv)	**Conc. (µg/L)	Lot #	Expiration Date	Conc. (ppmv)	**Conc. (µg/L)
Methane	16	AS10705	7/17/2026	1000	654	AS10657	4/30/2026	1000	654
Ethane	30	AS10705	7/17/2026	1000	1227	AS10657	4/30/2026	1000	1227
Ethene	28	AS10705	7/17/2026	1000	1145	AS10657	4/30/2026	1000	1145
Propane	44	AS10705	7/17/2026	1000	1800	AS10657	4/30/2026	1000	1800
Carbon Monoxide	28	AS10705	7/17/2026	1000	1145	AS10657	4/30/2026	1000	1145
Carbon Dioxide	44	AS10705	7/17/2026	1000	1800	AS10657	4/30/2026	1000	1800

**mg/L = ppmv x (MW/24.45)

	ID / LOT #	Expiration Date
Thermometer	57339	8/19/2025
pH Paper	234223	12/1/2026
Helium Cylinder	N2443173RS	N/A

Batch ID: GAA3333
Date: 7/25/2025
Laboratory Analyst: William Cruser

GC-AA Column: Rt-Alumina BOND/Na_2SO_4 (50m x 0.53mm
GC-FID/TCD Method - MEE: MAA3333.M
Initial Calibration Method - MEE: MAA3333.M
Sequence File - MEE: AA20250725.s

GC-WW Column: Sulpelco Carboxen 1006 PLOT (30m x 0.53
GC-FID/TCD Method - CO_2: MWW5777.M
Initial Calibration Method - CO_2: MWW5777.M
Sequence File - CO_2: N/A

LGX-50 Method: DGA
Data Validator: William Cruser

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.
*If pH > 2.0, comment on sample result.

ALS	Sample ID	Data File ID	GC Code	TEST CODE	VOA Vial Volume (cc)	Headspace Volume (cc)	Final Sample Volume (cc)	Injection Volume (cc)	Temp. °C	Dilution Factor	STATUS	COMMENTS	*pH < 2.0
1	ic3321-1	AA116750						0.05	23		RR	AS10713 (10ppmv)	
2	ic3321-2	AA116751						0.1	23		RR	AS10713 (10ppmv)	
3	ic3321-10	AA116752						0.005	23		OK		
4	ic3321-20	AA116753						0.01	23		OK		
5	icc3321-100	AA116754						0.05	23		OK		
6	ic3321-200	AA116755						0.1	23		OK		
7	ic3321-500	AA116756						0.25	23		OK		
8	ic3321-1000	AA116757						0.5	23		OK		
9	icv3321-100	AA116758						0.05	23		RR		
10	ic3321-1	AA116750						0.05	23		OK	AS10713 (10ppmv)	
11	ic3321-2	AA116751						0.1	23		OK	AS10713 (10ppmv)	
12	icv3321-100	AA116758						0.05	23		OK		

SGS

DISSOLVED GASES by GC-FID/TCD ANALYSIS LOG (RSK-175)

Batch ID: GAA3393
Date: 10/22/2025
Laboratory Analyst: William Cruser

GC-AA Column: Rt-Alumina BOND/Na_2SO_4 (50m x 0.53mm
GC-FID/TCD Method - MEE: MAA3333.M
Initial Calibration Method - MEE: MAA3333.M
Sequence File - MEE: AA20251022.s

GC-WW Column: Sulpelco Carboxen 1006 PLOT (30m x 0.53
GC-FID/TCD Method - CO_2: MWW5884.M
Initial Calibration Method - CO_2: MWW5884.M
Sequence File - CO_2: N/A

LGX-50 Method: DGA
Data Validator: William Cruser

		Standard Information							
		Standard (Primary)				LCS (Secondary)			
Target Analytes	MW (g/mol)	Lot #	Expiration Date	Conc. (ppmv)	**Conc. (µg/L)	Lot #	Expiration Date	Conc. (ppmv)	**Conc. (µg/L)
Methane	16	AS10705	7/17/2026	1000	654	AS10657	4/30/2026	1000	654
Ethane	30	AS10705	7/17/2026	1000	1227	AS10657	4/30/2026	1000	1227
Ethene	28	AS10705	7/17/2026	1000	1145	AS10657	4/30/2026	1000	1145
Propane	44	AS10705	7/17/2026	1000	1800	AS10657	4/30/2026	1000	1800
Carbon Monoxide	28	AS10705	7/17/2026	1000	1145	AS10657	4/30/2026	1000	1145
Carbon Dioxide	44	AS10705	7/17/2026	1000	1800	AS10657	4/30/2026	1000	1800

**mg/L = ppmv x (MW/24.45)

	ID / LOT #	Expiration Date
Thermometer	57339	8/19/2026
pH Paper	234223	12/1/2026
Helium Cylinder	N2443173RS	N/A

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.
*If pH > 2.0, comment on sample result.

ALS	Sample ID	Data File ID	GC Code	TEST CODE	VOA Vial Volume (cc)	Headspace Volume (cc)	Final Sample Volume (cc)	Injection Volume (cc)	Temp. °C	Dilution Factor	STATUS	COMMENTS	*pH < 2.0
1	cc3333-100	AA118139						0.05	24		OK		
2	helium blank	AA118140						0.5	24		OK		
3	mb	AA118141						0.5	24		OK		
4	je20901-1	AA118142	GC65375	DGMEE	43	5	38	0.5	24	1	OK/DL	CH4↑, bubble in headspace	✔
5	je20901-1	AA118143	GC65375	DGMEE	43	5	38	0.005	24	100	OK/DL		✔
6	je20901-3	AA118144	GC65375	DGMEE	43	5	38	0.5	24	1	OK/DL	CH4↑	✔
7	je20901-3dup	AA118145	GC65375	DGMEE	43	5	38	0.5	24	1	OK		✔
8	je20901-3	AA118146	GC65375	DGMEE	43	5	38	0.005	24	100	OK/DL		✔
9	je20901-4	AA118147	GC65375	DGMEE	43	5	38	0.5	24	1	OK/DL	CH4↑, bubble in headspace	✔
10	je20901-4	AA118148	GC65375	DGMEE	43	5	38	0.005	24	100	OK/DL		✔
11	je20901-5	AA118149	GC65375	DGMEE	43	5	38	0.5	24	1	OK	bubble in headspace	✔
12	je20825-1	AA118150	GC65375	CH4	43	5	38	0.5	24	1	OK/DL	CH4↑	✔
13	je20825-1dup	AA118151	GC65375	CH4	43	5	38	0.5	24	1	OK		✔
14	je20825-1	AA118152	GC65375	CH4	43	5	38	0.005	24	100	OK/DL		✔
15	je20825-3	AA118153	GC65375	CH4	43	5	38	0.5	24	1	OK/DL	CH4↑	✔
16	je20825-3	AA118154	GC65375	CH4	43	5	38	0.005	24	100	OK/DL		✔
17	je20825-5	AA118155	GC65375	CH4	43	5	38	0.5	24	1	OK/DL	CH4↑	✔
18	je20825-5	AA118156	GC65375	CH4	43	5	38	0.01	24	50	OK/DL		✔
19	je21034-1	AA118157	GC65402	CH4	44	5	39	0.5	24	1	OK		6
20	cc3333-100	AA118158						0.05	24		OK		
21	je21034-6	AA118159	GC65402	CH4	44	5	39	0.5	24	1	OK/DL	CH4↑, bubble in headspace	✔
22	je21034-6	AA118160	GC65402	CH4	44	5	39	0.05	24	10	OK/DL		✔
23	je21153-1	AA118161	GC65392	DGMEE	43	5	38	0.5	24	1	OK/DL	CH4↑	✔
24	je21153-1	AA118162	GC65392	DGMEE	43	5	38	0.02	24	25	OK/DL		✔
25	je21153-2	AA118163	GC65392	DGMEE	43	5	38	0.5	24	1	OK/DL	CH4↑	✔
26	je21153-2	AA118164	GC65392	DGMEE	43	5	38	0.05	24	10	OK/DL		✔
27	je21153-3	AA118165	GC65392	DGMEE	43	5	38	0.5	24	1	OK/DL	CH4↑	✔
28	je21153-3	AA118166	GC65392	DGMEE	43	5	38	0.05	24	10	OK/DL		✔
29	je21153-4	AA118167	GC65392	DGMEE	43	5	38	0.5	24	1	OK/DL	CH4↑	✔
30	je21153-4	AA118168	GC65392	DGMEE	43	5	38	0.005	24	100	OK/DL		✔
31	je21153-5	AA118169	GC65392	DGMEE	43	5	38	0.5	24	1	OK/DL	CH4↑	✔
32	je21153-5	AA118170	GC65392	DGMEE	43	5	38	0.01	24	50	OK/DL		✔
33	je21153-6	AA118171	GC65392	DGMEE	43	5	38	0.5	24	1	OK/DL	CH4↑	✔
34	je21153-6	AA118172	GC65392	DGMEE	43	5	38	0.02	24	25	OK/DL		✔
35	cc3333-100	AA118173			38		38				OK		
36	je21153-7	AA118174	GC65392	DGMEE	43	5	38	0.5	24	1	OK		✔

SGS

DISSOLVED GASES by GC-FID/TCD ANALYSIS LOG (RSK-175)

Batch ID: GAA3393
Date: 10/22/2025
Laboratory Analyst: William Cruser

		Standard Information							
		Standard (Primary)				LCS (Secondary)			
Target Analytes	MW (g/mol)	Lot #	Expiration Date	Conc. (ppmv)	**Conc. (µg/L)	Lot #	Expiration Date	Conc. (ppmv)	**Conc. (µg/L)
Methane	16	AS10705	7/17/2026	1000	654	AS10657	4/30/2026	1000	654
Ethane	30	AS10705	7/17/2026	1000	1227	AS10657	4/30/2026	1000	1227
Ethene	28	AS10705	7/17/2026	1000	1145	AS10657	4/30/2026	1000	1145
Propane	44	AS10705	7/17/2026	1000	1800	AS10657	4/30/2026	1000	1800
Carbon Monoxide	28	AS10705	7/17/2026	1000	1145	AS10657	4/30/2026	1000	1145
Carbon Dioxide	44	AS10705	7/17/2026	1000	1800	AS10657	4/30/2026	1000	1800

**mg/L = ppmv x (MW/24.45)

	ID / LOT #	Expiration Date
Thermometer	57339	8/19/2026
pH Paper	234223	12/1/2026
Helium Cylinder	N2443173RS	N/A

GC-AA Column: Rt-Alumina BOND/Na_2SO_4 (50m x 0.53mm
GC-FID/TCD Method - MEE: MAA3333.M
Initial Calibration Method - MEE: MAA3333.M
Sequence File - MEE: AA20251022.s

GC-WW Column: Sulpelco Carboxen 1006 PLOT (30m x 0.53
GC-FID/TCD Method - CO_2: MWW5884.M
Initial Calibration Method - CO_2: MWW5884.M
Sequence File - CO_2: N/A

LGX-50 Method: DGA
Data Validator: William Cruser

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.
*If pH > 2.0, comment on sample result.

ALS	Sample ID	Data File ID	GC Code	TEST CODE	VOA Vial Volume (cc)	Headspace Volume (cc)	Final Sample Volume (cc)	Injection Volume (cc)	Temp. °C	Dilution Factor	STATUS	COMMENTS	*pH < 2.0
37	je21153-8	AA118175	GC65392	DGMEE	43	5	38	0.5	24	1	OK		✔
38	da76334-1a	AA118176	GC65408	DGMEP	43	5	38	0.5	24	1	OK/DL	CH4↑, bubble in headspace	✔
39	da76334-1a	AA118177	GC65408	DGMEP	43	5	38	0.0025	24	200	OK/DL		✔
40	je21190-1	AA118178	GC65392	CH4	43	5	38	0.5	24	1	OK		✔
41	je21190-2	AA118179	GC65392	CH4	43	5	38	0.5	24	1	OK		✔
42	lcs	AA118180			38		38	0.05	24		OK		
43	cc3333-100	AA118181			38		38	0.05	24		OK		

SGS

VOLATILE by GCMS ANALYSIS LOG

Date:10/9/2025

Standard data

Lot Number	Expiration Date	Concentration	Standard ID
V025-2804-39	11/9/2025	20000ppm	GRO STD
V025-2804-35	11/6/2025	5000ppm	GRO STD(2)
V024-2790-138	12/19/2025	250/500ppm	GRO Marker

Internal/Surrogate data

Lot Number	Expiration Date	Concentration	Surrogate ID
V025-2804-31	10/25/2025	250ppm	GRO Surrogate

Batch ID: GKM588

Print Analyst Name: John Nieradka

Data Processed By: John Nieradka

Columns:RTX-502.2(105m x 0.53mm x 3µm)

Method: V8015GRO

Initial Cal. Method: KM588

pH Method: V8260d

Date Archived:_____

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

Supervisor Signature- _____

ALS	Sample ID	Method	File ID	MS Batch, Run ID, Pv,,,, Dil.	Vial #	Purge Vol	IS/SURR	pH	STATUS	Comments
5	IB	MKM588	KM14011	GC65359,GKM588,5.0,,,,1		5ml				
6	RT	MKM588	KM14012	GC65359,GKM588,5.0,,,,1		5ml			ok	10uL GRO Marker/50ml
7	IB	MKM588	KM14013	GC65359,GKM588,5.0,,,,1		5ml				
8	IC588-200	MKM588	KM14014	GC65359,GKM588,5.0,,,,1		5ml			ok	2uL GRO STD/200ml
9	IC588-800	MKM588	KM14015	GC65359,GKM588,5.0,,,,1		5ml			ok	4uL GRO STD/100ml
10	IC588-4000	MKM588	KM14016	GC65359,GKM588,5.0,,,,1		5ml			ok	10uL GRO STD/50ml
11	ICC588-8000	MKM588	KM14017	GC65359,GKM588,5.0,,,,1		5ml			ok	20uL GRO STD/50ml
12	IC588-20000	MKM588	KM14018	GC65359,GKM588,5.0,,,,1		5ml			ok	50uL GRO STD/50ml
13	IC588-30000	MKM588	KM14019	GC65359,GKM588,5.0,,,,1		5ml			ok	75uL GRO STD/50ml
14	IB	MKM588	KM14020	GC65359,GKM588,5.0,,,,1		5ml				
15	IC588-40000	MKM588	KM14021	GC65359,GKM588,5.0,,,,1		5ml			ok	100uL GRO STD/50ml
16	IB	MKM588	KM14022	GC65359,GKM588,5.0,,,,1		5ml				
17	IB	MKM588	KM14023	GC65359,GKM588,5.0,,,,1		5ml				
18	IB	MKM588	KM14024	GC65359,GKM588,5.0,,,,1		5ml				
19	ICV588-8000	MKM588	KM14025	GC65359,GKM588,5.0,,,,1		5ml			ok	80uL GRO STD(2)/50ml

SGS

VOLATILE by GCMS ANALYSIS LOG

Date:10/20/2025

Standard data

Lot Number	Expiration Date	Concentration	Standard ID
V025-2804-39	11/9/2025	20000ppm	GRO STD
V025-2804-35	11/6/2025	5000ppm	GRO STD(2)
V024-2790-138	12/19/2025	250/500ppm	GRO Marker

Internal/Surrogate data

Lot Number	Expiration Date	Concentration	Surrogate ID
V025-2804-31	10/25/2025	250ppm	GRO Surrogate

Batch ID: GKM597

Print Analyst Name: John Nieradka

Data Processed By: ClaireB

Columns:RTX-502.2(105m x 0.53mm x 3µm)

Method: V8015GRO

Initial Cal. Method: KM588

pH Method: V8260d

Date Archived:_____

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

Supervisor Signature- _____

ALS	Sample ID	Method	File ID	MS Batch, Run ID, Pv,,,, Dil.	Vial #	Purge Vol	IS/SURR	pH	STATUS	Comments
1	ib	MKM588	KM14222	GC65400,GKM597,5.0,,,,1		5ml			OK	
2	ib	MKM588	KM14223	GC65400,GKM597,5.0,,,,1		5ml			OK	
3	rt	MKM588	KM14224	GC65400,GKM597,5.0,,,,1		5ml			OK	10uL GRO Marker/50ml; 10:26 AM
4	cc588-8000	MKM588	KM14225	GC65400,GKM597,5.0,,,,1		5ml			OK	20uL GRO STD/50ml
5	mb	MKM588	KM14226	GC65407,GKM597,5.0,,100,5,1		5ml			OK	
6	bs	MKM588	KM14227	GC65407,GKM597,5.0,,100,5,1		5ml			OK	80uL GRO STD(2)/50ml
7	je21445-1	MKM588	KM14228	GC65407,GKM597,8.9,,100,10,1		5ml			OK	
8	je21445-2	MKM588	KM14229	GC65407,GKM597,8.2,,100,10,1		5ml			OK	
9	je21445-3	MKM588	KM14230	GC65407,GKM597,10.2,,100,10,1		5ml			OK	
10	je21445-4	MKM588	KM14231	GC65407,GKM597,6.8,,100,10,1		5ml			OK	
11	je21445-5	MKM588	KM14232	GC65407,GKM597,9.0,,100,10,1		5ml			OK	
12	je21445-1ms	MKM588	KM14233	GC65407,GKM597,8.9,,100,10,1		5ml			OK	20uL GRO STD/50ml
13	je21445-1msd	MKM588	KM14234	GC65407,GKM597,8.9,,100,10,1		5ml			OK	20uL GRO STD/50ml
14	cc588-4000	MKM588	KM14235	GC65407,GKM597,5.0,,100,5,1		5ml			OK	10uL GRO STD/50ml
15	mb2	MKM588	KM14236	GC65407,GKM597,5.0,,100,5,1		5ml			OK	
16	je21445-6	MKM588	KM14237	GC65407,GKM597,9.4,,100,10,1		5ml			OK	
17	je21445-7	MKM588	KM14238	GC65407,GKM597,7.2,,100,10,1		5ml			OK	
18	je21445-8	MKM588	KM14239	GC65407,GKM597,8.8,,100,10,1		5ml			OK	
19	je21445-9	MKM588	KM14240	GC65407,GKM597,7.8,,100,10,1		5ml			OK	
20	je21445-10	MKM588	KM14241	GC65407,GKM597,9.8,,100,10,1		5ml			OK	
21	je21445-11	MKM588	KM14242	GC65407,GKM597,8.1,,100,10,1		5ml			OK	
22	je21445-12	MKM588	KM14243	GC65407,GKM597,8.5,,100,10,1		5ml			OK	
23	je21445-13	MKM588	KM14244	GC65407,GKM597,9.1,,100,10,1		5ml			OK	
24	cc588-8000	MKM588	KM14245	GC65322,GKM597,5.0,,100,5,1		5ml			OK	20uL GRO STD/50ml
25	mb3	MKM588	KM14246	GC65322,GKM597,5.0,,100,5,1		5ml			OK	
26	je3730-8	MKM588	KM14247	GC65322,GKM597,5.0,,100,5,1		5ml			OK	MDL
27	je21445-14	MKM588	KM14248	GC65407,GKM597,7.7,,100,10,1		5ml			OK	

SGS

VOLATILE by GCMS ANALYSIS LOG

Date:10/20/2025

Standard data

Lot Number	Expiration Date	Concentration	Standard ID
V025-2804-39	11/9/2025	20000ppm	GRO STD
V025-2804-35	11/6/2025	5000ppm	GRO STD(2)
V024-2790-138	12/19/2025	250/500ppm	GRO Marker

Internal/Surrogate data

Lot Number	Expiration Date	Concentration	Surrogate ID
V025-2804-31	10/25/2025	250ppm	GRO Surrogate

Batch ID: GKM597

Print Analyst Name: John Nieradka

Data Processed By: ClaireB

Columns:RTX-502.2(105m x 0.53mm x 3µm)

Method: V8015GRO

Initial Cal. Method: KM588

pH Method: V8260d

Date Archived:_____

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

Supervisor Signature- _____

ALS	Sample ID	Method	File ID	MS Batch, Run ID, Pv,,,, Dil.	Vial #	Purge Vol	IS/SURR	pH	STATUS	Comments
28	je21445-15	MKM588	KM14249	GC65407,GKM597,8.2,,100,10,1		5ml			OK	
29	cc588-4000	MKM588	KM14250	GC65322,GKM597,5.0,,100,5,1		5ml			OK	10uL GRO STD/50ml; 10:52 PM

SGS

VOLATILE by GCMS ANALYSIS LOG

Date:10/21/2025

Standard data

Lot Number	Expiration Date	Concentration	Standard ID
V025-2804-39	11/9/2025	20000ppm	GRO STD
V025-2804-35	11/6/2025	5000ppm	GRO STD(2)
V024-2790-138	12/19/2025	250/500ppm	GRO Marker

Internal/Surrogate data

Lot Number	Expiration Date	Concentration	Surrogate ID
V025-2804-31	10/25/2025	250ppm	GRO Surrogate

Batch ID: GKM598

Print Analyst Name: John Nieradka

Data Processed By: RosanlieA

Columns:RTX-502.2(105m x 0.53mm x 3µm)

Method: V8015GRO

Initial Cal. Method: KM588

pH Method: V8260d

Date Archived:_____

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

Supervisor Signature- _____

ALS	Sample ID	Method	File ID	MS Batch, Run ID, Pv,,,, Dil.	Vial #	Purge Vol	IS/SURR	pH	STATUS	Comments
1	ib	MKM588	KM14251	GC65322,GKM598,5.0,,100,5,1		5ml			ok	
2	ib	MKM588	KM14252	GC65322,GKM598,5.0,,100,5,1		5ml			ok	
3	rt	MKM588	KM14253	GC65322,GKM598,5.0,,100,5,1		5ml			ok	10uL GRO Marker/50ml
4	cc588-8000	MKM588	KM14254	GC65322,GKM598,5.0,,100,5,1		5ml			ok	20uL GRO STD/50ml
5	mb	MKM588	KM14255	GC65400,GKM598,5.0,,,,1		5ml			ok	
6	bs	MKM588	KM14256	GC65400,GKM598,5.0,,,,1		5ml			ok	80uL GRO STD(2)/50ml
7	je20825-1	MKM588	KM14257	GC65370,GKM598,5.0,,,,1		5ml		1	ok	
8	je21034-1	MKM588	KM14258	GC65400,GKM598,5.0,,,,1		5ml		1	ok	
9	je21034-6	MKM588	KM14259	GC65400,GKM598,5.0,,,,1		5ml		1	ok	
10	je21472-3	MKM588	KM14260	GC65411,GKM598,5.0,,,,1		5ml		1	ok	
11	je21472-1	MKM588	KM14261	GC65411,GKM598,5.0,,,,1		5ml		1	ok	
12	je20825-1ms	MKM588	KM14262	GC65370,GKM598,5.0,,,,1		5ml		1	ok	20uL GRO STD/50ml
13	je20825-1msd	MKM588	KM14263	GC65370,GKM598,5.0,,,,1		5ml		1	ok	20uL GRO STD/50ml
14	cc588-4000	MKM588	KM14264	GC65370,GKM598,5.0,,,,1		5ml			ok	10uL GRO STD/50ml
15	mb2	MKM588	KM14265	GC65370,GKM598,5.0,,,,1		5ml			ok	
16	je21513-1	MKM588	KM14266	GC65414,GKM598,5.0,,,,1		5ml		1	ok	
17	je21472-2	MKM588	KM14267	GC65411,GKM598,5.0,,,,1		5ml		1	ok	
18	cc588-8000	MKM588	KM14268	GC65370,GKM598,5.0,,,,1		5ml			ok	20uL GRO STD/50ml

GC/LC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries
- GC Surrogate Retention Time Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method Blank Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP68257-MB1	3Y97099.D	1	10/18/25	RK	10/17/25	OP68257	G3Y3747

The QC reported here applies to the following samples: **Method:** SW846 8015D

JE21034-1, JE21034-6, JE21034-1A, JE21034-6A

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.078	0.037	mg/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	114%	70-130%
438-22-2	5a-Androstane	112%	70-130%

Method Blank Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP68257-MB2	3Y97115.D	1	10/19/25	RK	10/17/25	OP68257	G3Y3747

The QC reported here applies to the following samples: **Method:** SW846 8015D

JE21034-1, JE21034-6, JE21034-1A, JE21034-6A

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.077	0.037	mg/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	115%	70-130%
438-22-2	5a-Androstane	111%	70-130%

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP68257-BS1	3Y97100.D	1	10/18/25	RK	10/17/25	OP68257	G3Y3747
OP68257-BSD	3Y97104.D	1	10/18/25	RK	10/17/25	OP68257	G3Y3747

The QC reported here applies to the following samples: **Method:** SW846 8015D

JE21034-1, JE21034-6, JE21034-1A, JE21034-6A

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	BSD mg/l	BSD %	RPD	Limits Rec/RPD
	TPH-DRO (C10-C28)	1.95	2.07	106	2.17	112	3	70-130/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
84-15-1	o-Terphenyl	116%	124%	70-130%
438-22-2	5a-Androstane	112%	119%	70-130%

12.2.1
12

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP68257-BS2	3Y97116.D	1	10/19/25	RK	10/17/25	OP68257	G3Y3747
OP68257-BSD2	3Y97117.D	1	10/19/25	RK	10/17/25	OP68257	G3Y3747

The QC reported here applies to the following samples: **Method:** SW846 8015D

JE21034-1, JE21034-6, JE21034-1A, JE21034-6A

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	BSD mg/l	BSD %	RPD	Limits Rec/RPD
	TPH-DRO (C10-C28)	1.95	2.24	115	2.23	113	0	70-130/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
84-15-1	o-Terphenyl	125%	125%	70-130%
438-22-2	5a-Androstane	118%	121%	70-130%

12.2.2
12

* = Outside of Control Limits.

Surrogate Recovery Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Method: SW846 8015D **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S2 [a]
JE21034-1	3Y97105.D	111	105
JE21034-6	3Y97106.D	113	108
JE21034-1A	3Y97118.D	122	112
JE21034-6A	3Y97119.D	116	114
OP68257-BS1	3Y97100.D	116	112
OP68257-BS2	3Y97116.D	125	118
OP68257-BSD	3Y97104.D	124	119
OP68257-BSD2	3Y97117.D	125	121
OP68257-MB1	3Y97099.D	114	112
OP68257-MB2	3Y97115.D	115	111

Surrogate Compounds	Recovery Limits
S1 = o-Terphenyl	70-130%
S2 = 5a-Androstane	70-130%

(a) Recovery from GC signal #1

GC Surrogate Retention Time Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Check Std:	G3Y3747-CC3745	**Injection Date:**	10/18/25
Lab File ID:	3Y97091.D	**Injection Time:**	17:45
Instrument ID:	GC3Y	**Method:**	SW846 8015D

	S1 [a] RT	S2 [a] RT
Check Std	3.91	4.11

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT
ZZZZZZ	3Y97093.D	10/18/25	18:24	3.91	4.11
ZZZZZZ	3Y97094.D	10/18/25	18:44	3.91	4.11
ZZZZZZ	3Y97095.D	10/18/25	19:04	3.91	4.11
ZZZZZZ	3Y97096.D	10/18/25	19:23	3.91	4.11
ZZZZZZ	3Y97097.D	10/18/25	19:43	3.91	4.11
ZZZZZZ	3Y97098.D	10/18/25	20:03	3.91	4.11
OP68257-MB1	3Y97099.D	10/18/25	20:22	3.91	4.11
OP68257-BS1	3Y97100.D	10/18/25	20:42	3.91	4.11

Surrogate Compounds

S1 = o-Terphenyl
S2 = 5a-Androstane

(a) Retention time from GC signal #1

GC Surrogate Retention Time Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Check Std:	G3Y3747-CC3745	**Injection Date:**	10/18/25
Lab File ID:	3Y97102.D	**Injection Time:**	21:21
Instrument ID:	GC3Y	**Method:**	SW846 8015D

	S1 [a] RT	S2 [a] RT
Check Std	3.91	4.11

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT
OP68257-BSD	3Y97104.D	10/18/25	22:15	3.91	4.11
JE21034-1	3Y97105.D	10/18/25	22:35	3.91	4.11
JE21034-6	3Y97106.D	10/18/25	22:54	3.91	4.11
ZZZZZZ	3Y97107.D	10/18/25	23:14	3.91	4.11
ZZZZZZ	3Y97108.D	10/18/25	23:33	3.91	4.11
ZZZZZZ	3Y97109.D	10/18/25	23:53	3.91	4.11
ZZZZZZ	3Y97110.D	10/19/25	00:13	3.91	4.11
ZZZZZZ	3Y97111.D	10/19/25	00:32	3.91	4.11

Surrogate Compounds

S1 = o-Terphenyl
S2 = 5a-Androstane

(a) Retention time from GC signal #1

GC Surrogate Retention Time Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Check Std:	G3Y3747-CC3745	**Injection Date:**	10/19/25
Lab File ID:	3Y97113.D	**Injection Time:**	01:11
Instrument ID:	GC3Y	**Method:**	SW846 8015D

	S1 [a] RT	S2 [a] RT
Check Std	3.90	4.11

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT
OP68257-MB2	3Y97115.D	10/19/25	01:51	3.91	4.11
OP68257-BS2	3Y97116.D	10/19/25	02:10	3.91	4.11
OP68257-BSD2	3Y97117.D	10/19/25	02:30	3.91	4.11
JE21034-1A	3Y97118.D	10/19/25	02:50	3.91	4.11
JE21034-6A	3Y97119.D	10/19/25	03:09	3.91	4.11
ZZZZZZ	3Y97120.D	10/19/25	03:29	3.91	4.11

Surrogate Compounds

S1 = o-Terphenyl
S2 = 5a-Androstane

(a) Retention time from GC signal #1

Initial Calibration Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: G3Y3745-ICC3745
Lab FileID: 3Y97026.D

Response Factor Report GC3Y3Z

Method : C:\msdchem\1\methods\DROLVI3y3745.M (ChemStation Integrator)
Title : GCTPHS
Last Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration

Calibration Files
1 =3y97037.d 2 =3y97022.d 4 =3y97023.d 10 =3y97024.d
20 =3y97025.d 40 =3y97026.d 100 =3y97027.d 200 =3y97028.d
400 =3y97029.d = = =

Compound

	1	2	4	10	20	40	100	200	400	2000	Avg	%RSD
1) TPH-DRO	4.099	3.460	3.329	3.274	3.263	3.232	3.390	3.620	3.294		3.440 E7	7.99
2) TPH-DRO (C10-C44)	4.099	3.460	3.329	3.274	3.263	3.232	3.390	3.620	3.294		3.440 E7	7.99
3) TPH-ORO (>C28-C40)	4.099	3.460	3.329	3.274	3.263	3.232	3.390	3.620	3.294		3.440 E7	7.99
4) TPH-DRO (C10-C20)	4.099	3.460	3.329	3.274	3.263	3.232	3.390	3.620	3.294		3.440 E7	7.99
5) TPH-ORO (C20-C34)	4.099	3.460	3.329	3.274	3.263	3.232	3.390	3.620	3.294		3.440 E7	7.99
6) o-TERPHENYL			4.046	4.600	4.351	4.286	4.616	5.159			4.510 E7	8.48
7) 5a-ANDROSTANE			3.519	4.095	3.662	3.876	4.126	4.515			3.966 E7	9.05

(#) = Out of Range ### Number of calibration levels exceeded format ###

DROLVI3y3745.M Sat Oct 18 23:10:15 2025

Initial Calibration Verification

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: G3Y3745-ICV3745
Lab FileID: 3Y97039.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\g3y3745\3y97039.d Vial: 142
Acq On : 17 Oct 2025 3:19 pm Operator: claudiab
Sample : icv3745-40 Inst : GC3Y3Z
Misc : op68028,g3y3745,5.0,,,10,1 Multiplr: 1.00
IntFile : autoint1.e

Method : C:\msdchem\1\methods\DROLVI3y3745.M (ChemStation Integrator)
Title : GCTPHS
Last Update : Sat Oct 18 23:08:00 2025
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	H	TPH-DRO	34.400	40.329 E6	-17.2	125	0.00	2.00- 5.20
2	H	TPH-DRO (C10-C44)		----------NA----------				
3	H	TPH-ORO (>C28-C40)		----------NA----------				
4	H	TPH-DRO (C10-C20)		----------NA----------				
5	H	TPH-ORO (C20-C34)		----------NA----------				
6	S	o-TERPHENYL		----------NA----------				
7	S	5a-ANDROSTANE		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3y97026.d DROLVI3y3745.M Sat Oct 18 23:08:39 2025

12.5.2 12

Continuing Calibration Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: G3Y3747-CC3745
Lab FileID: 3Y97091.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\G3y3747\3y97091.d Vial: 3
Acq On : 18 Oct 2025 5:45 pm Operator: rebeccak
Sample : cc3745-20 Inst : GC3Y3Z
Misc : op68193,g3y3747,55.0,,,2,1 Multiplr: 1.00
IntFile : autoint1.e

Method : C:\msdchem\1\methods\DROLVI3y3745.M (ChemStation Integrator)
Title : GCTPHS
Last Update : Mon Oct 20 20:54:45 2025
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 H	TPH-DRO	34.400	36.100 E6	-4.9	111	0.00	2.00- 5.20
2 H	TPH-DRO (C10-C44)		----------NA----------				
3 H	TPH-ORO (>C28-C40)		----------NA----------				
4 H	TPH-DRO (C10-C20)		----------NA----------				
5 H	TPH-ORO (C20-C34)		----------NA----------				
6 S	o-TERPHENYL	45.097	49.177 E6	-9.0	113	-0.01	3.88- 3.94
7 S	5a-ANDROSTANE	39.656	43.245 E6	-9.1	118	-0.01	4.08- 4.14

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3y97025.d DROLVI3y3745.M Mon Oct 20 21:01:25 2025

12.5.3 12

Continuing Calibration Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: G3Y3747-CC3745
Lab FileID: 3Y97102.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\G3y3747\3y97102.d Vial: 4
Acq On : 18 Oct 2025 9:21 pm Operator: rebeccak
Sample : cc3745-40 Inst : GC3Y3Z
Misc : op68257,g3y3747,55.0,,,2,1 Multiplr: 1.00
IntFile : autoint1.e

Method : C:\msdchem\1\methods\DROLVI3y3745.M (ChemStation Integrator)
Title : GCTPHS
Last Update : Mon Oct 20 20:54:45 2025
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 H	TPH-DRO	34.400	37.742 E6	-9.7	117	0.00	2.00- 5.20
2 H	TPH-DRO (C10-C44)		----------NA----------				
3 H	TPH-ORO (>C28-C40)		----------NA----------				
4 H	TPH-DRO (C10-C20)		----------NA----------				
5 H	TPH-ORO (C20-C34)		----------NA----------				
6 S	o-TERPHENYL	45.097	52.002 E6	-15.3	121	-0.01	3.88- 3.94
7 S	5a-ANDROSTANE	39.656	45.584 E6	-14.9	118	-0.01	4.08- 4.14

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3y97026.d DROLVI3y3745.M Mon Oct 20 21:00:48 2025

12.5.4 12

Continuing Calibration Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: G3Y3747-CC3745
Lab FileID: 3Y97113.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\G3y3747\3y97113.d Vial: 3
Acq On : 19 Oct 2025 1:11 am Operator: rebeccak
Sample : cc3745-20 Inst : GC3Y3Z
Misc : op68257,g3y3747,55.0,,,2,1 Multiplr: 1.00
IntFile : autoint1.e

Method : C:\msdchem\1\methods\DROLVI3y3745.M (ChemStation Integrator)
Title : GCTPHS
Last Update : Mon Oct 20 20:54:45 2025
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	H	TPH-DRO	34.400	37.995 E6	-10.5	116	0.00	2.00- 5.20
2	H	TPH-DRO (C10-C44)		----------NA----------				
3	H	TPH-ORO (>C28-C40)		----------NA----------				
4	H	TPH-DRO (C10-C20)		----------NA----------				
5	H	TPH-ORO (C20-C34)		----------NA----------				
6	S	o-TERPHENYL	45.097	52.046 E6	-15.4	120	-0.02	3.87- 3.93
7	S	5a-ANDROSTANE	39.656	44.885 E6	-13.2	123	-0.02	4.08- 4.14

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3y97025.d DROLVI3y3745.M Mon Oct 20 21:01:28 2025

12.5.5 12

Continuing Calibration Summary

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: G3Y3747-CC3745
Lab FileID: 3Y97124.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\G3y3747\3y97124.d Vial: 4
Acq On : 19 Oct 2025 4:48 am Operator: rebeccak
Sample : cc3745-40 Inst : GC3Y3Z
Misc : op68149,g3y3747,55.0,,,2,1 Multiplr: 1.00
IntFile : autoint1.e

Method : C:\msdchem\1\methods\DROLVI3y3745.M (ChemStation Integrator)
Title : GCTPHS
Last Update : Mon Oct 20 20:54:45 2025
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	H	TPH-DRO	34.400	41.130 E6	-19.6	127	0.00	2.00- 5.20
2	H	TPH-DRO (C10-C44)		----------NA----------				
3	H	TPH-ORO (>C28-C40)		----------NA----------				
4	H	TPH-DRO (C10-C20)		----------NA----------				
5	H	TPH-ORO (C20-C34)		----------NA----------				
6	S	o-TERPHENYL	45.097	56.941 E6	-26.3#	133	-0.01	3.87- 3.93
7	S	5a-ANDROSTANE	39.656	49.750 E6	-25.5#	128	-0.02	4.08- 4.14

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3y97026.d DROLVI3y3745.M Mon Oct 20 21:00:50 2025

12.5.6 12

Run Sequence Report

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Run ID: G3Y3745	**Method:** SW846 8015D	**Instrument ID:** GC3Y

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
G3Y3745-RT	3Y97020.D	10/17/25 08:38	n/a	Retention Time Marker
G3Y3745-IC3745	3Y97022.D	10/17/25 09:41	n/a	Initial cal 2
G3Y3745-IC3745	3Y97023.D	10/17/25 10:01	n/a	Initial cal 4
G3Y3745-IC3745	3Y97024.D	10/17/25 10:20	n/a	Initial cal 10
G3Y3745-IC3745	3Y97025.D	10/17/25 10:40	n/a	Initial cal 20
G3Y3745-ICC3745	3Y97026.D	10/17/25 11:00	n/a	Initial cal 40
G3Y3745-IC3745	3Y97027.D	10/17/25 11:20	n/a	Initial cal 100
G3Y3745-IC3745	3Y97028.D	10/17/25 11:40	n/a	Initial cal 200
G3Y3745-IC3745	3Y97029.D	10/17/25 12:00	n/a	Initial cal 400
G3Y3745-IC3745	3Y97037.D	10/17/25 14:39	n/a	Initial cal 1
G3Y3745-ICV3745	3Y97039.D	10/17/25 15:19	n/a	Initial cal verification 40

Run Sequence Report

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Run ID: G3Y3747 **Method:** SW846 8015D **Instrument ID:** GC3Y

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
G3Y3747-CC3745	3Y97080.D	10/18/25 13:01	n/a	Continuing cal 40
G3Y3747-RT	3Y97081.D	10/18/25 14:27	n/a	Retention Time Marker
OP68193-MB1	3Y97083.D	10/18/25 15:06	OP68193	Method Blank
OP68193-BS1	3Y97084.D	10/18/25 15:26	OP68193	Blank Spike
OP68193-BSD	3Y97085.D	10/18/25 15:46	OP68193	Blank Spike Duplicate
ZZZZZZ	3Y97086.D	10/18/25 16:05	OP68193	(unrelated sample)
ZZZZZZ	3Y97087.D	10/18/25 16:25	OP68193	(unrelated sample)
ZZZZZZ	3Y97088.D	10/18/25 16:45	OP68193	(unrelated sample)
ZZZZZZ	3Y97089.D	10/18/25 17:05	OP68193	(unrelated sample)
G3Y3747-CC3745	3Y97091.D	10/18/25 17:45	n/a	Continuing cal 20
ZZZZZZ	3Y97093.D	10/18/25 18:24	OP68193	(unrelated sample)
ZZZZZZ	3Y97094.D	10/18/25 18:44	OP68193	(unrelated sample)
ZZZZZZ	3Y97095.D	10/18/25 19:04	OP68193	(unrelated sample)
ZZZZZZ	3Y97096.D	10/18/25 19:23	OP68193	(unrelated sample)
ZZZZZZ	3Y97097.D	10/18/25 19:43	OP68193	(unrelated sample)
ZZZZZZ	3Y97098.D	10/18/25 20:03	OP68193	(unrelated sample)
OP68257-MB1	3Y97099.D	10/18/25 20:22	OP68257	Method Blank
OP68257-BS1	3Y97100.D	10/18/25 20:42	OP68257	Blank Spike
G3Y3747-CC3745	3Y97102.D	10/18/25 21:21	n/a	Continuing cal 40
OP68257-BSD	3Y97104.D	10/18/25 22:15	OP68257	Blank Spike Duplicate
JE21034-1	3Y97105.D	10/18/25 22:35	OP68257	MW-EPA-09 10102025
JE21034-6	3Y97106.D	10/18/25 22:54	OP68257	MW-ORS-01 10102025
ZZZZZZ	3Y97107.D	10/18/25 23:14	OP68257	(unrelated sample)
ZZZZZZ	3Y97108.D	10/18/25 23:33	OP68257	(unrelated sample)
ZZZZZZ	3Y97109.D	10/18/25 23:53	OP68257	(unrelated sample)
ZZZZZZ	3Y97110.D	10/19/25 00:13	OP68257	(unrelated sample)
ZZZZZZ	3Y97111.D	10/19/25 00:32	OP68257	(unrelated sample)
G3Y3747-CC3745	3Y97113.D	10/19/25 01:11	n/a	Continuing cal 20
OP68257-MB2	3Y97115.D	10/19/25 01:51	OP68257	Method Blank
OP68257-BS2	3Y97116.D	10/19/25 02:10	OP68257	Blank Spike
OP68257-BSD2	3Y97117.D	10/19/25 02:30	OP68257	Blank Spike Duplicate
JE21034-1A	3Y97118.D	10/19/25 02:50	OP68257	MW-EPA-09 10102025
JE21034-6A	3Y97119.D	10/19/25 03:09	OP68257	MW-ORS-01 10102025
ZZZZZZ	3Y97120.D	10/19/25 03:29	OP68257	(unrelated sample)
G3Y3747-CC3745	3Y97124.D	10/19/25 04:48	n/a	Continuing cal 40

GC/LC Semi-volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97105.d
Signal(s) : FID1A.ch
Acq On : 18 Oct 2025 10:35 pm
Operator : rebeccak
Sample : je21034-1
Misc : op68257,g3y3747,47.2,,,2,1
ALS Vial : 22 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:58:41 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
6) S o-TERPHENYL	3.908	125392825	2.781 PPM
Spiked Amount 50.000		Recovery =	5.56%
7) S 5a-ANDROSTANE	4.112	104086644	2.625 PPM
Spiked Amount 50.000		Recovery =	5.25%
Target Compounds			

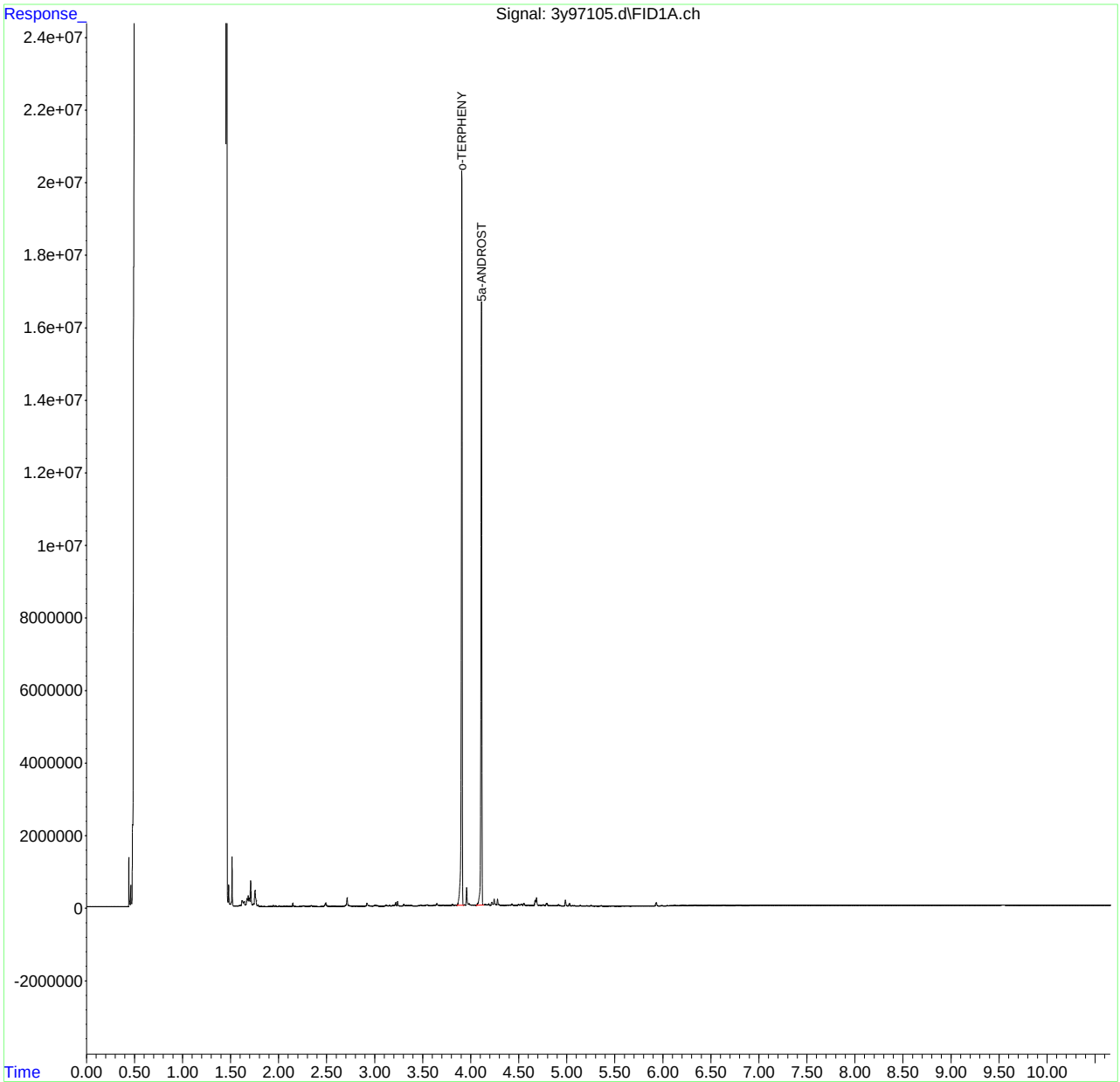
(f)=RT Delta > 1/2 Window (m)=manual int.

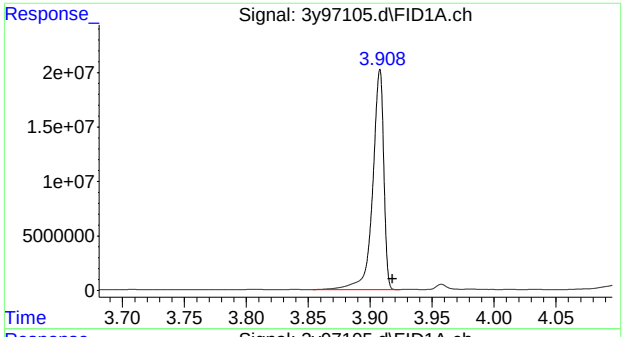
Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97105.d
Signal(s) : FID1A.ch
Acq On : 18 Oct 2025 10:35 pm
Operator : rebeccak
Sample : je21034-1
Misc : op68257,g3y3747,47.2,,,2,1
ALS Vial : 22 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:58:41 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

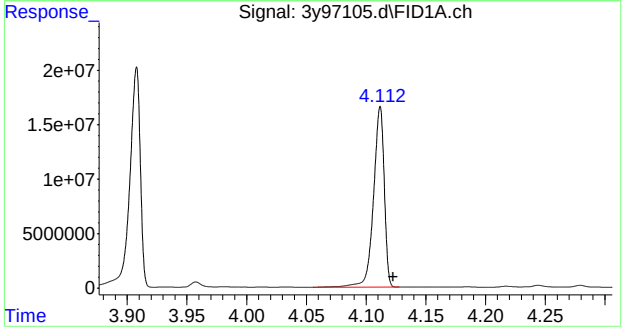
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





#6 o-TERPHENYL

R.T.: 3.908 min
Delta R.T.: -0.010 min
Response: 125392825
Conc: 2.78 PPM



#7 5a-ANDROSTANE

R.T.: 4.112 min
Delta R.T.: -0.011 min
Response: 104086644
Conc: 2.62 PPM

Manual Integrations APPROVED (compounds with "m" flag)
Syra Marie Pacheco 10/26/25 23:20

Quantitation Report (QT Reviewed)

Data Path : V:\completed\2025\10. October\10-20-2025\G3y3747\
Data File : 3y97118.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 2:50 am
Operator : rebeccak
Sample : je21034-1a
Misc : op68257,g3y3747,47.9,,,2,1
ALS Vial : 32 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 27 03:17:33 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
6) S o-TERPHENYL	3.906	137266128	3.044	PPM	
Spiked Amount 50.000		Recovery =	6.09%		
7) S 5a-ANDROSTANE	4.109	111375012	2.809	PPM	m
Spiked Amount 50.000		Recovery =	5.62%		
Target Compounds					

(f)=RT Delta > 1/2 Window (m)=manual int.

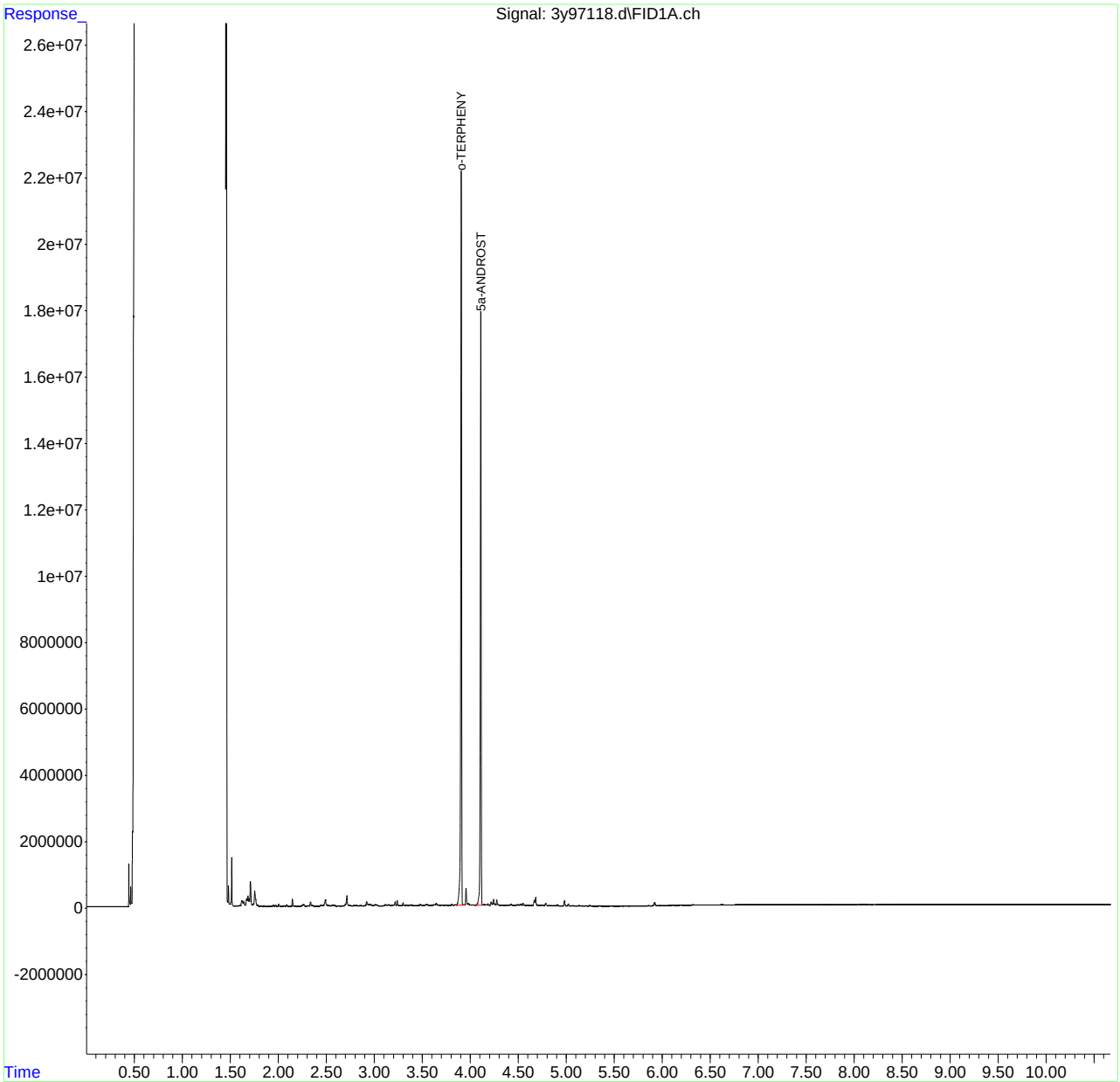
13.1.2
13

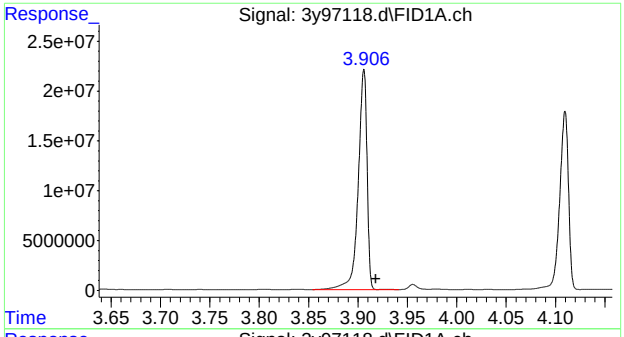
Quantitation Report (QT Reviewed)

Data Path : V:\completed\2025\10. October\10-20-2025\G3y3747\
Data File : 3y97118.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 2:50 am
Operator : rebeccak
Sample : je21034-1a
Misc : op68257,g3y3747,47.9,,,2,1
ALS Vial : 32 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 27 03:17:33 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

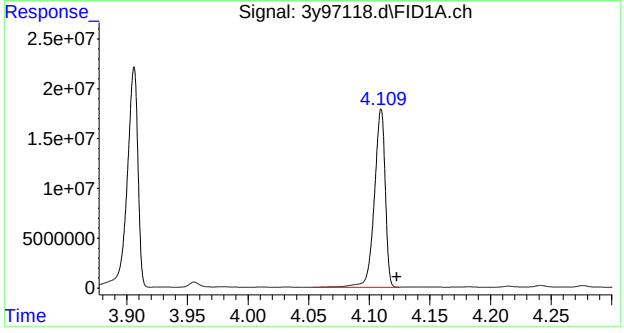
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





#6 o-TERPHENYL

R.T.: 3.906 min
Delta R.T.: -0.012 min
Response: 137266128
Conc: 3.04 PPM



#7 5a-ANDROSTANE

R.T.: 4.109 min
Delta R.T.: -0.013 min
Response: 111375012
Conc: 2.81 PPM m

Manual Integration Approval Summary

Sample Number: JE21034-1A
Lab FileID: 3Y97118.D
Injection Time: 10/19/25 02:50
Method: SW846 8015D
Analyst approved: 10/26/25 23:19 Syra Marie Pacheco
Supervisor approved: 10/26/25 23:20 Syra Marie Pacheco

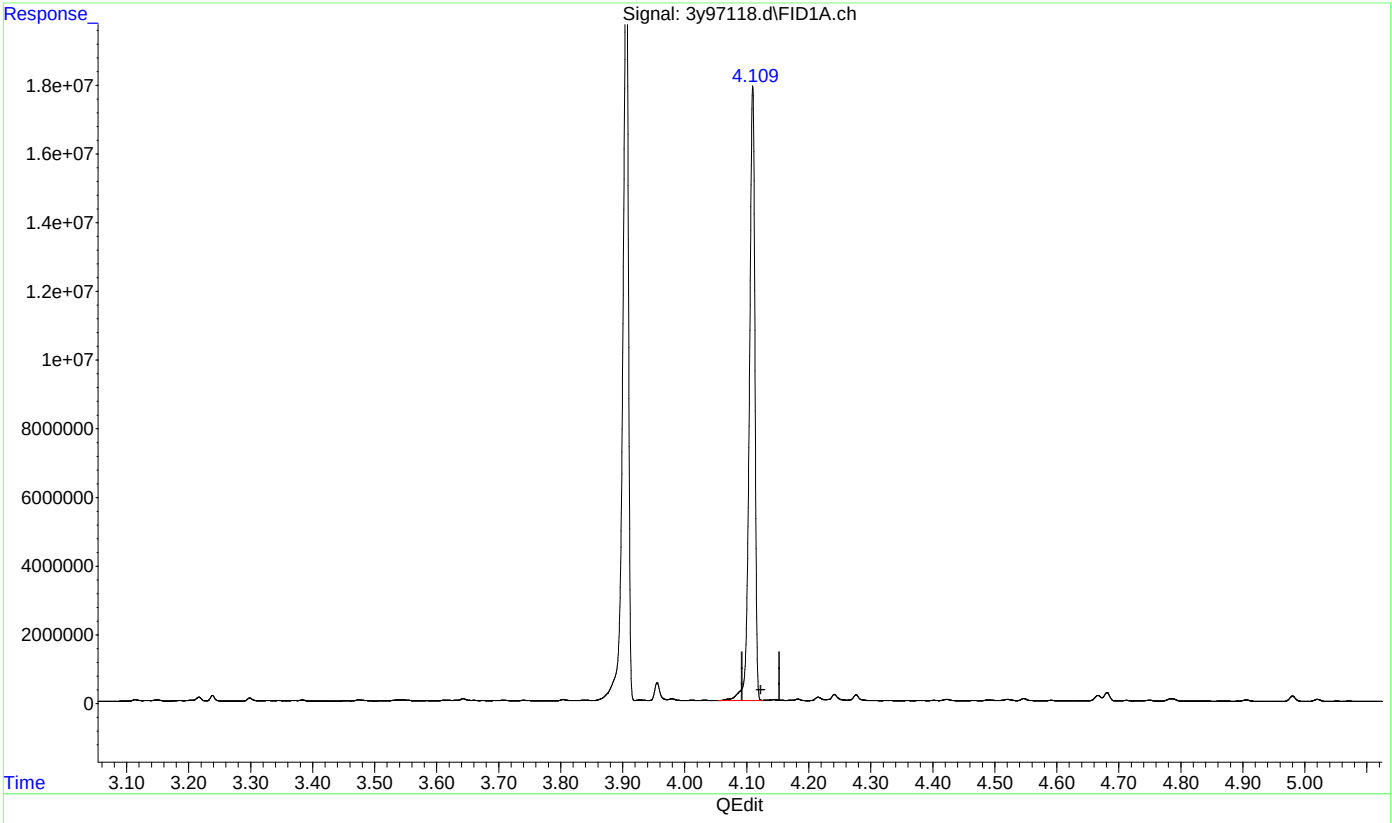
Parameter	CAS	Sig#	R.T. (min.)	Reason
5a-Androstane	438-22-2	1	4.11	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97118.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 2:50 am
Operator : rebeccak
Sample : je21034-1a
Misc : op68257,g3y3747,47.9,,,2,1
ALS Vial : 32 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 17:21:47 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.109min 2.809 PPM m

response 111375012

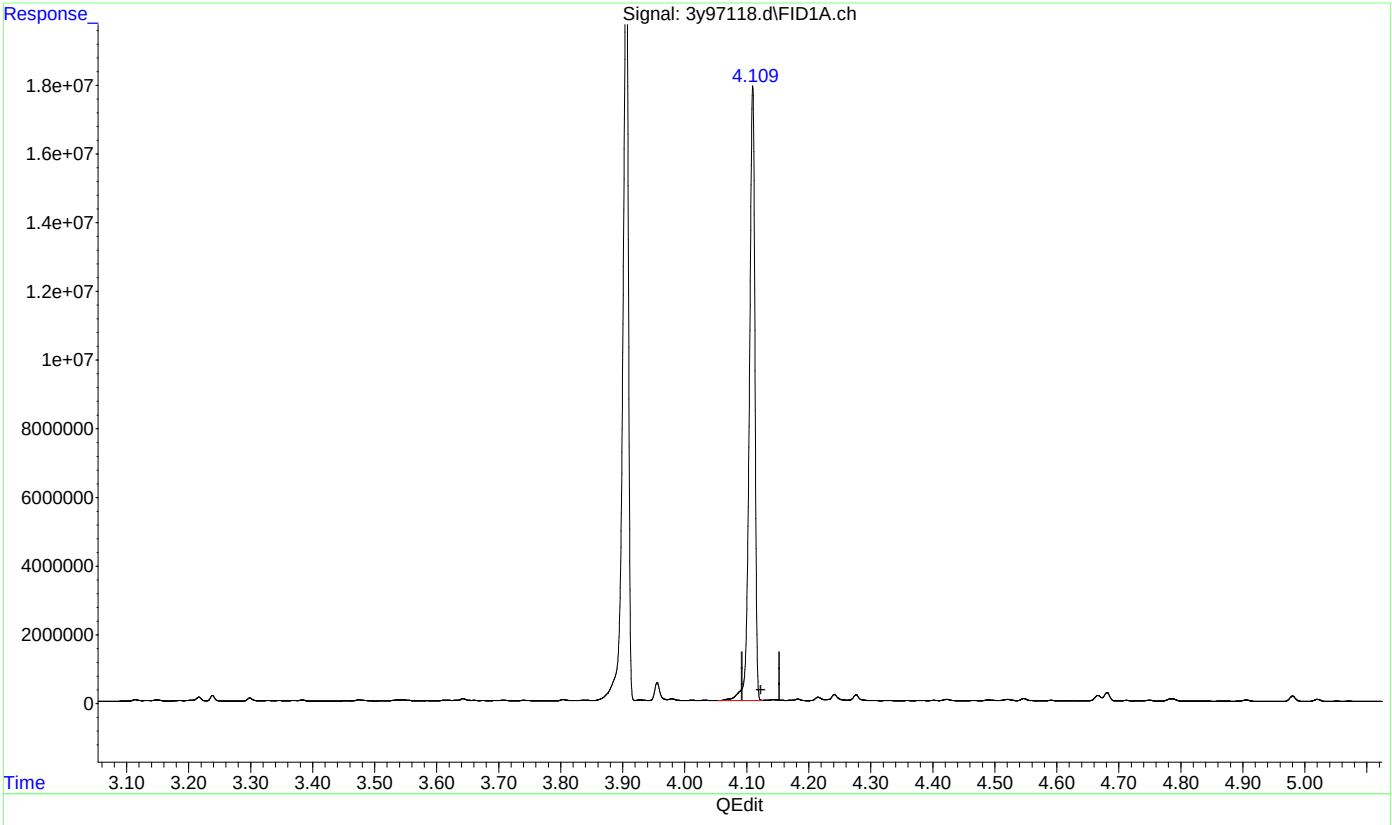
(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 17:22:22 2025

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97118.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 2:50 am
Operator : rebeccak
Sample : je21034-1a
Misc : op68257,g3y3747,47.9,,,2,1
ALS Vial : 32 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 17:21:47 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.109min 2.809 PPM m

response 111375012

(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 17:22:23 2025

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97106.d
Signal(s) : FID1A.ch
Acq On : 18 Oct 2025 10:54 pm
Operator : rebeccak
Sample : je21034-6
Misc : op68257,g3y3747,58.1,,,2,1
ALS Vial : 23 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:59:29 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
6) S o-TERPHENYL	3.907	127883799	2.836 PPM
Spiked Amount 50.000		Recovery =	5.67%
7) S 5a-ANDROSTANE	4.111	107228750	2.704 PPM
Spiked Amount 50.000		Recovery =	5.41%
Target Compounds			

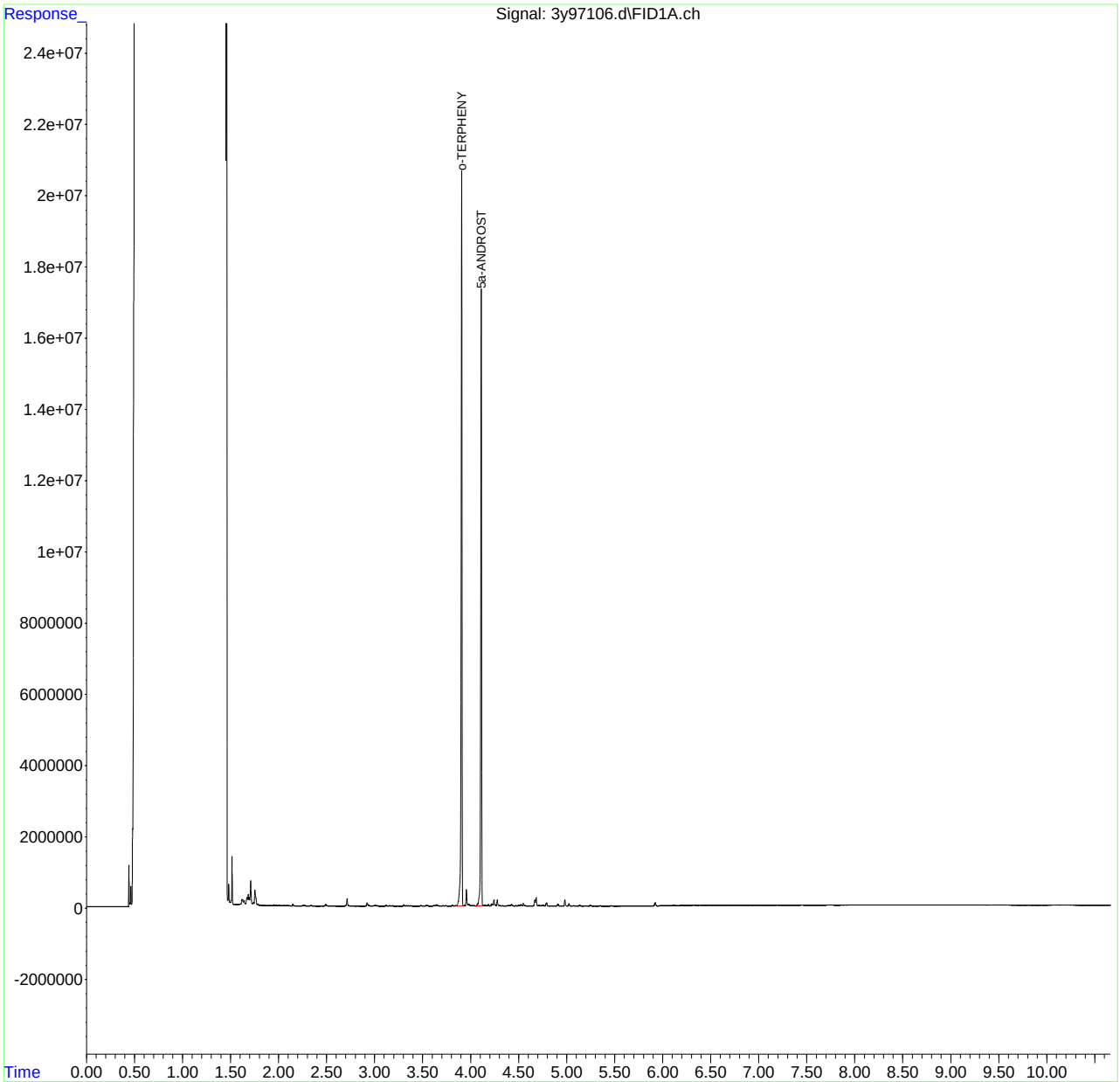
(f)=RT Delta > 1/2 Window (m)=manual int.

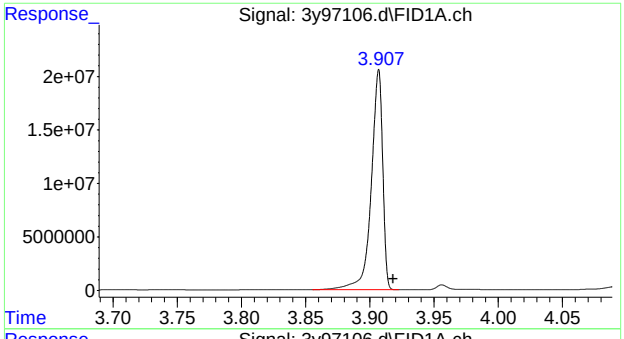
Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97106.d
Signal(s) : FID1A.ch
Acq On : 18 Oct 2025 10:54 pm
Operator : rebeccak
Sample : je21034-6
Misc : op68257,g3y3747,58.1,,,2,1
ALS Vial : 23 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:59:29 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

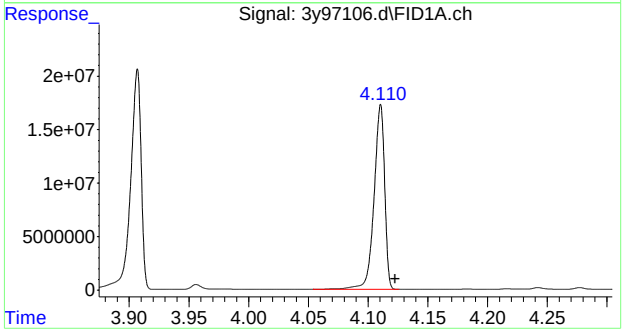
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





#6 o-TERPHENYL

R.T.: 3.907 min
Delta R.T.: -0.011 min
Response: 127883799
Conc: 2.84 PPM



#7 5a-ANDROSTANE

R.T.: 4.111 min
Delta R.T.: -0.012 min
Response: 107228750
Conc: 2.70 PPM

Manual Integrations APPROVED (compounds with "m" flag)
Rebecca Krug
10/20/25 21:13

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97119.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 3:09 am
Operator : rebeccak
Sample : je21034-6a
Misc : op68257,g3y3747,45.9,,,2,1
ALS Vial : 33 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 17:23:28 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
6) S o-TERPHENYL	3.906	130796372	2.900	PPM	m
Spiked Amount 50.000		Recovery = 5.80%			
7) S 5a-ANDROSTANE	4.110	112731262	2.843	PPM	m
Spiked Amount 50.000		Recovery = 5.69%			
Target Compounds					

(f)=RT Delta > 1/2 Window (m)=manual int.

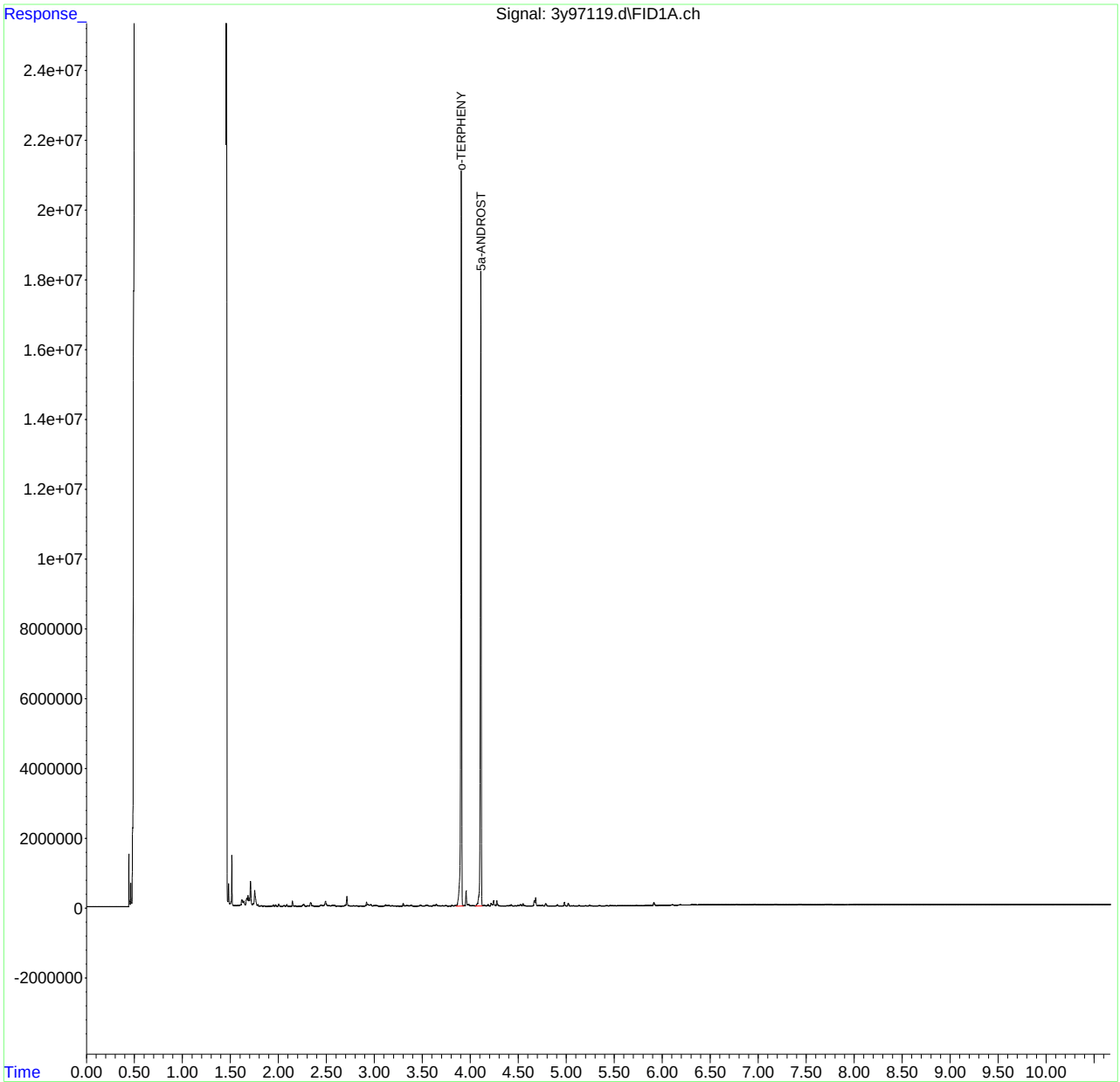
13.1.4
13

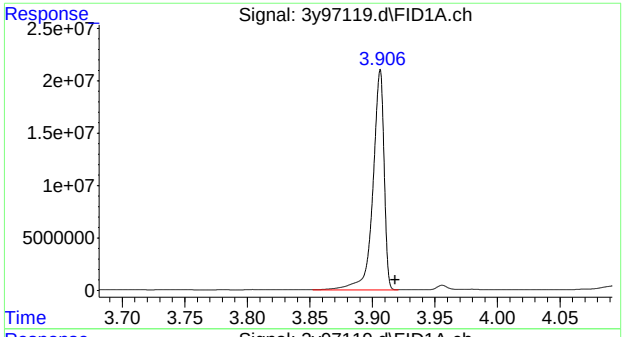
Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97119.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 3:09 am
Operator : rebeccak
Sample : je21034-6a
Misc : op68257,g3y3747,45.9,,,2,1
ALS Vial : 33 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 17:23:28 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

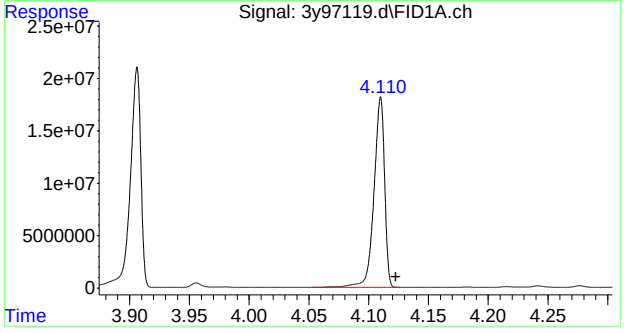
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





#6 o-TERPHENYL

R.T.: 3.906 min
Delta R.T.: -0.012 min
Response: 130796372
Conc: 2.90 PPM m



#7 5a-ANDROSTANE

R.T.: 4.110 min
Delta R.T.: -0.013 min
Response: 112731262
Conc: 2.84 PPM m

Manual Integration Approval Summary

Sample Number: JE21034-6A
Lab FileID: 3Y97119.D
Injection Time: 10/19/25 03:09
Method: SW846 8015D
Analyst approved: 10/20/25 15:31 Maria Benavides
Supervisor approved: 10/20/25 21:13 Rebecca Krug

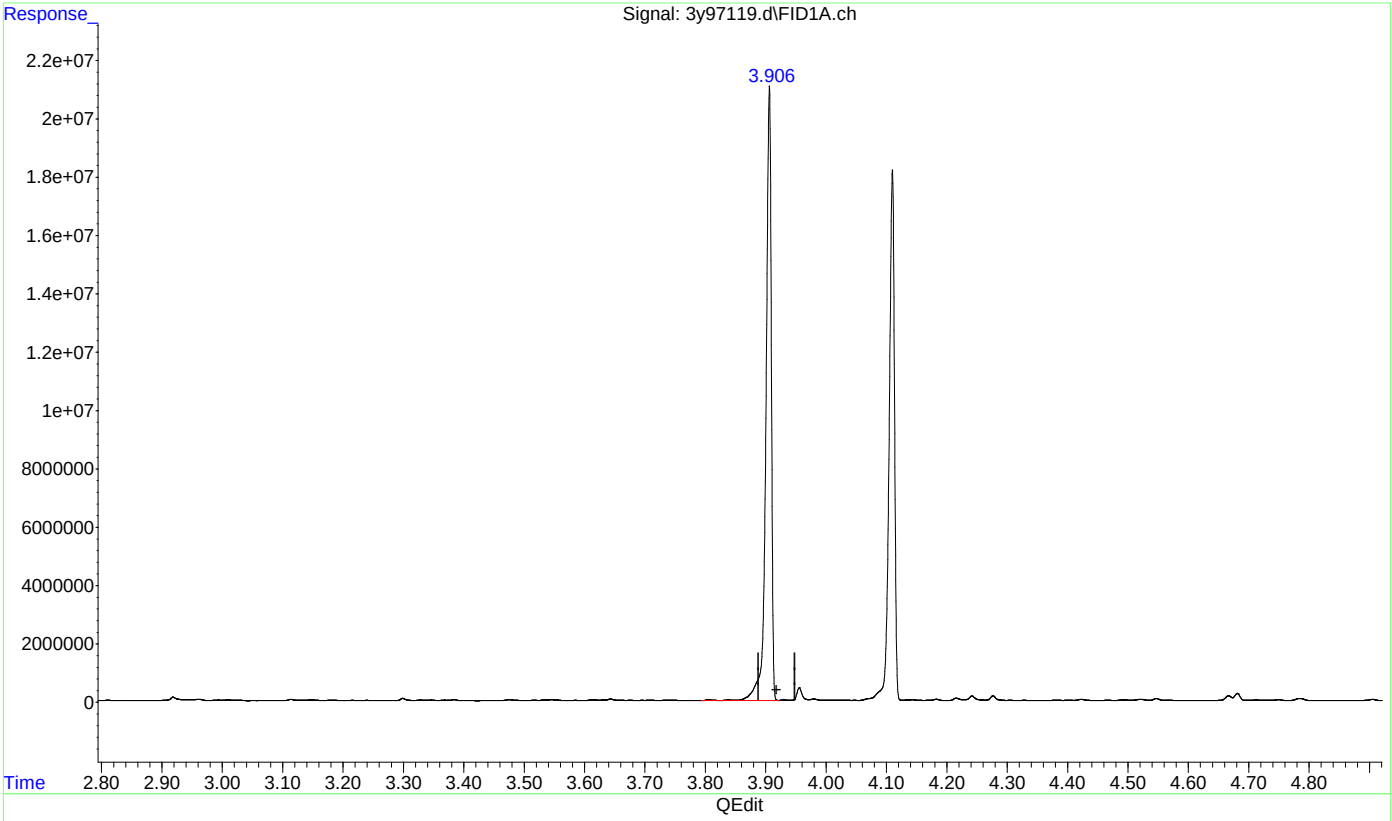
Parameter	CAS	Sig#	R.T. (min.)	Reason
o-Terphenyl	84-15-1	1	3.91	Poorly defined baseline
5a-Androstane	438-22-2	1	4.11	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97119.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 3:09 am
Operator : rebeccak
Sample : je21034-6a
Misc : op68257,g3y3747,45.9,,,2,1
ALS Vial : 33 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:06:19 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.906min 2.906 PPM

response 131063022

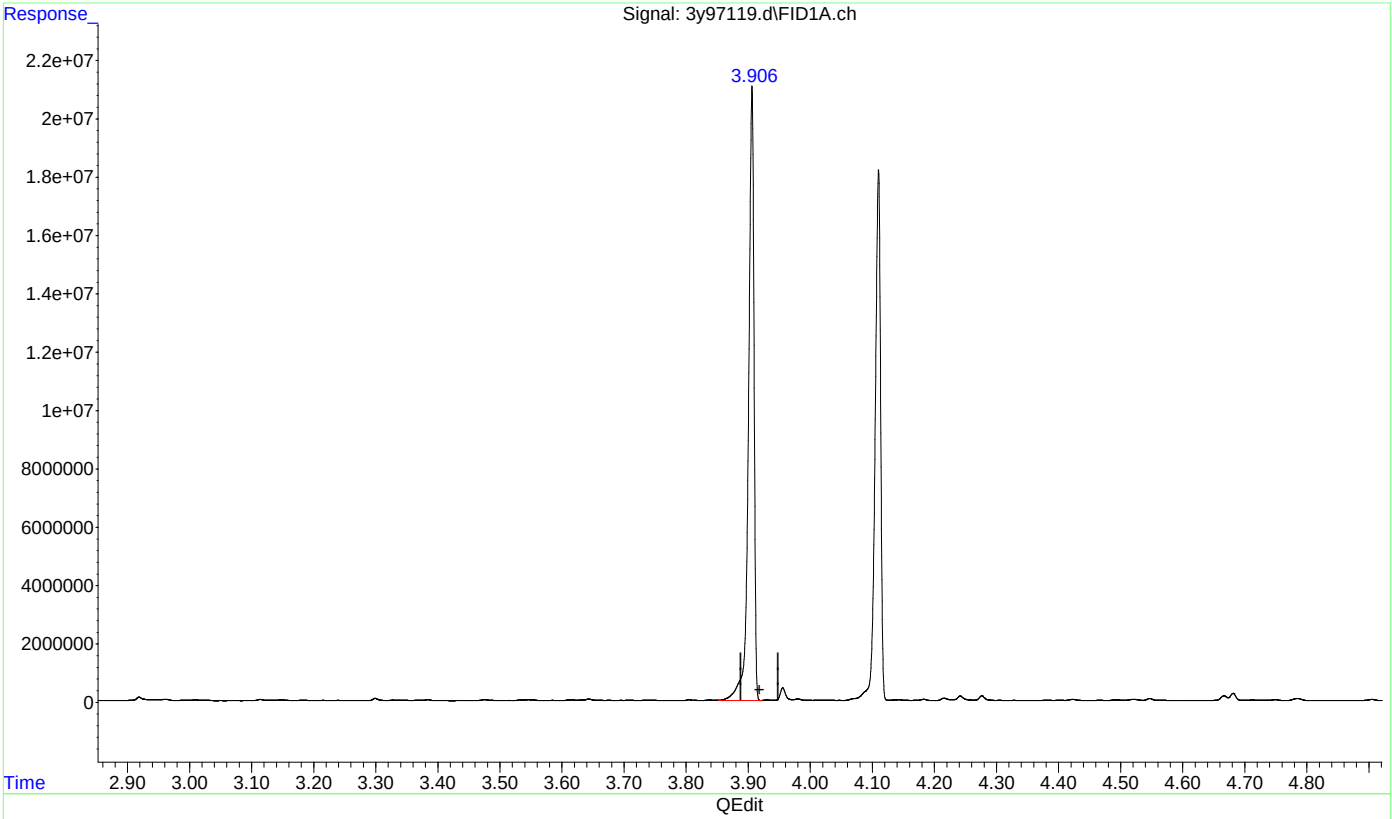
(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 17:22:55 2025

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97119.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 3:09 am
Operator : rebeccak
Sample : je21034-6a
Misc : op68257,g3y3747,45.9,,,2,1
ALS Vial : 33 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:06:19 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.906min 2.900 PPM m

response 130796372

13.1.4.3

13

(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 17:23:12 2025

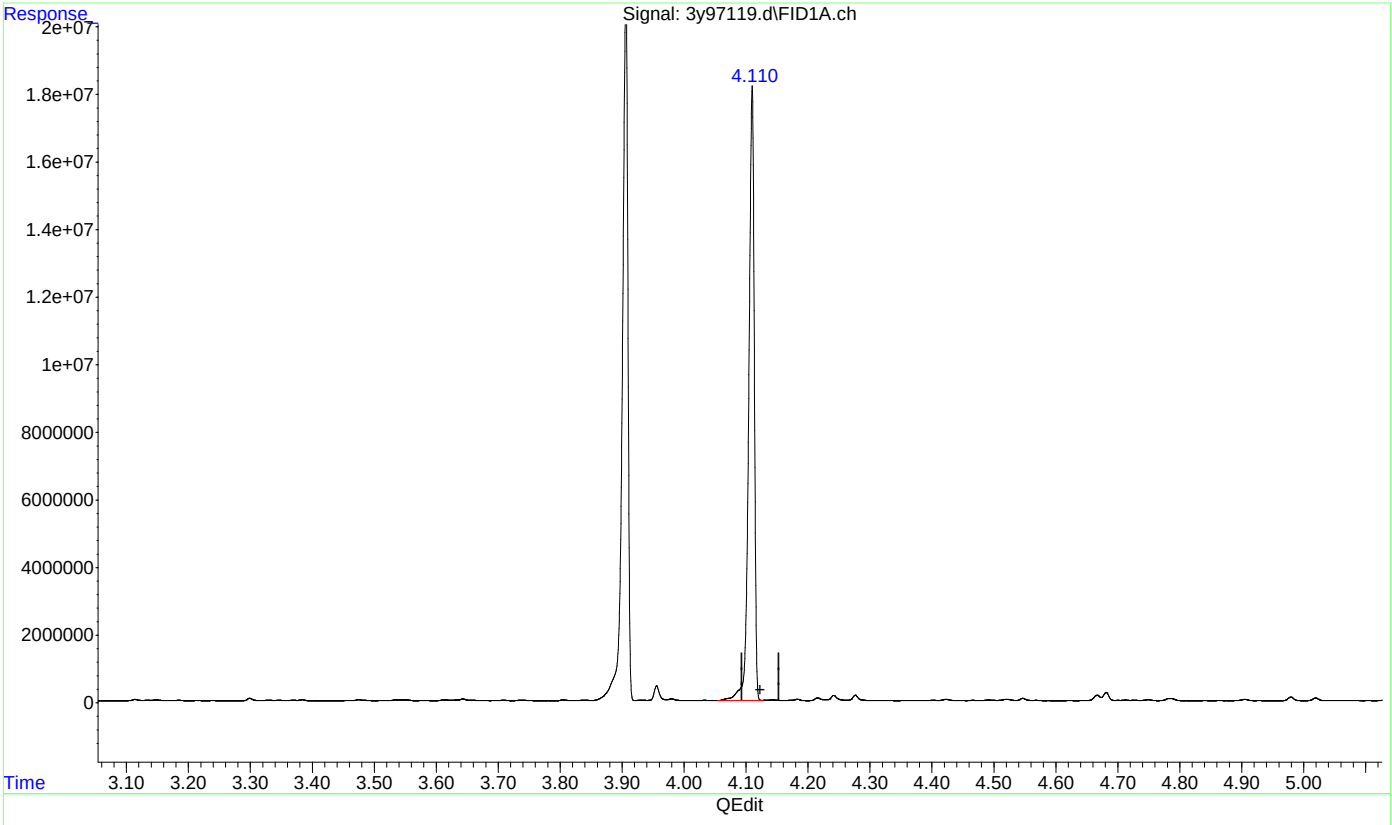
3Y97119.D edits: o-TERPHENYL

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97119.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 3:09 am
Operator : rebeccak
Sample : je21034-6a
Misc : op68257,g3y3747,45.9,,,2,1
ALS Vial : 33 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:06:19 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.110min 2.840 PPM

response 112619046

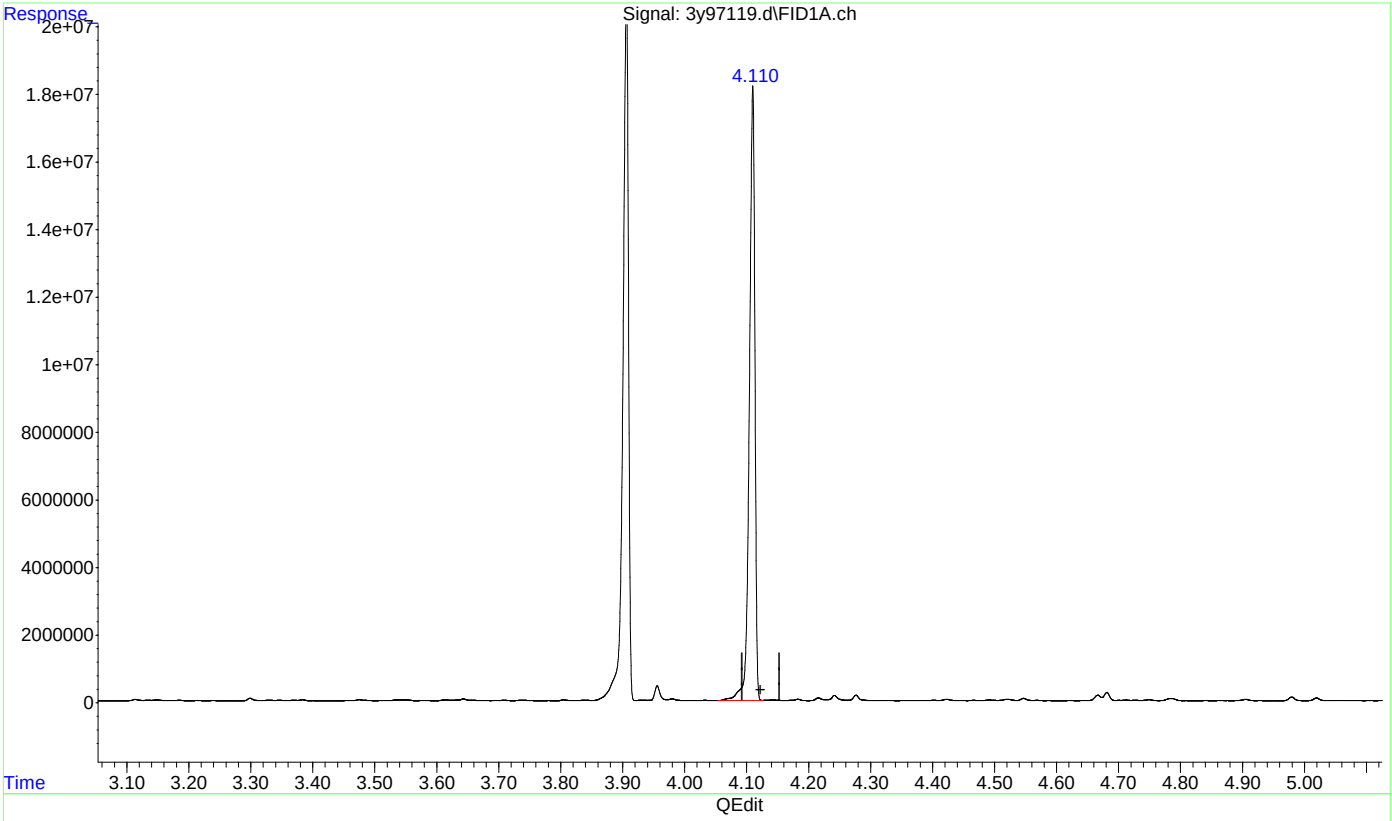
(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 17:23:16 2025

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97119.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 3:09 am
Operator : rebeccak
Sample : je21034-6a
Misc : op68257,g3y3747,45.9,,,2,1
ALS Vial : 33 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:06:19 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.110min 2.843 PPM m

response 112731262

(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 17:23:30 2025

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97099.d
Signal(s) : FID1A.ch
Acq On : 18 Oct 2025 8:22 pm
Operator : rebeccak
Sample : op68257-mb1
Misc : op68257,g3y3747,51.6,,,2,1
ALS Vial : 19 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:52:31 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
6) S o-TERPHENYL	3.908	128592605	2.851 PPM
Spiked Amount 50.000		Recovery =	5.70%
7) S 5a-ANDROSTANE	4.112	110603914	2.789 PPM
Spiked Amount 50.000		Recovery =	5.58%
Target Compounds			

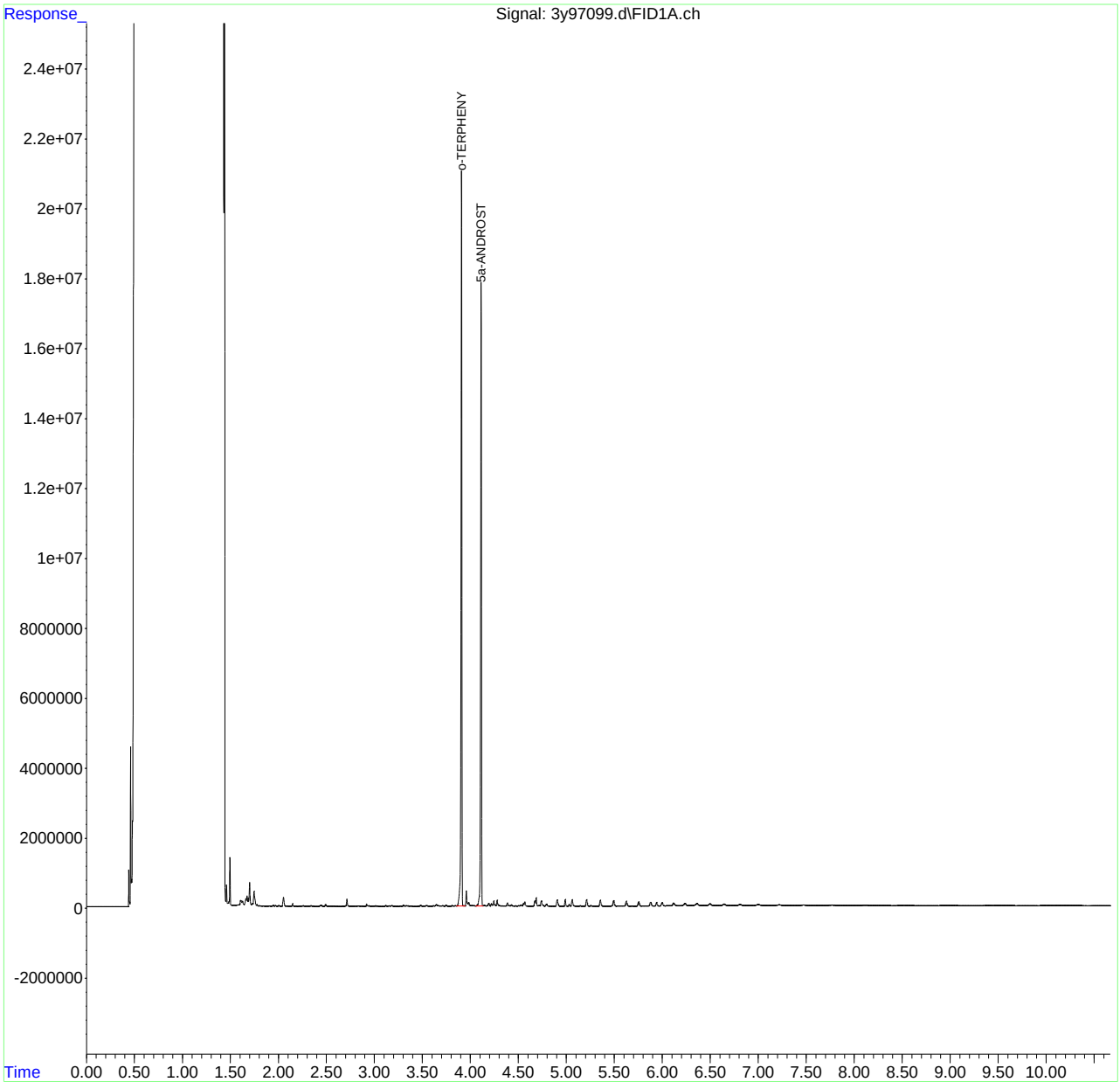
(f)=RT Delta > 1/2 Window (m)=manual int.

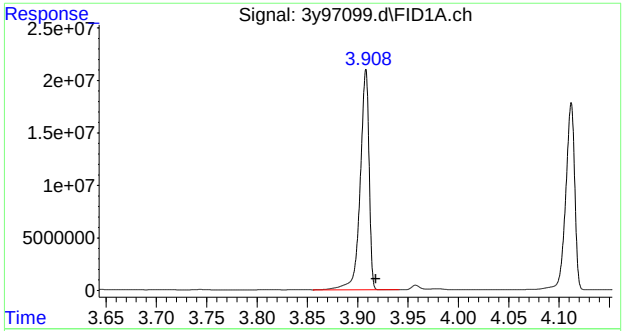
Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97099.d
Signal(s) : FID1A.ch
Acq On : 18 Oct 2025 8:22 pm
Operator : rebeccak
Sample : op68257-mb1
Misc : op68257,g3y3747,51.6,,,2,1
ALS Vial : 19 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:52:31 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

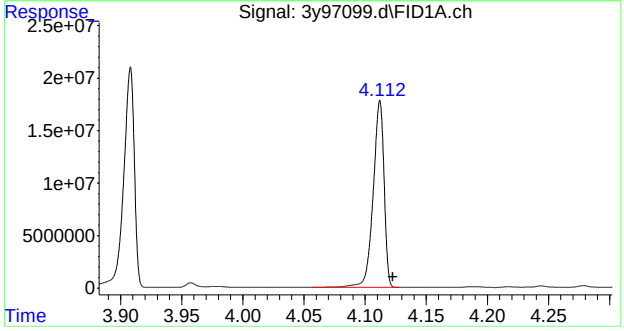
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





#6 o-TERPHENYL

R.T.: 3.908 min
Delta R.T.: -0.010 min
Response: 128592605
Conc: 2.85 PPM



#7 5a-ANDROSTANE

R.T.: 4.112 min
Delta R.T.: -0.011 min
Response: 110603914
Conc: 2.79 PPM

Manual Integrations APPROVED (compounds with "m" flag)
Rebecca Krug
10/20/25 21:13

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97115.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 1:51 am
Operator : rebeccak
Sample : op68257-mb2
Misc : op68257,g3y3747,51.7,,,2,1
ALS Vial : 29 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 17:16:23 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
6) S o-TERPHENYL	3.905	129601968	2.874	PPM	
Spiked Amount 50.000		Recovery =	5.75%		
7) S 5a-ANDROSTANE	4.108	109825743	2.769	PPM	m
Spiked Amount 50.000		Recovery =	5.54%		
Target Compounds					

(f)=RT Delta > 1/2 Window (m)=manual int.

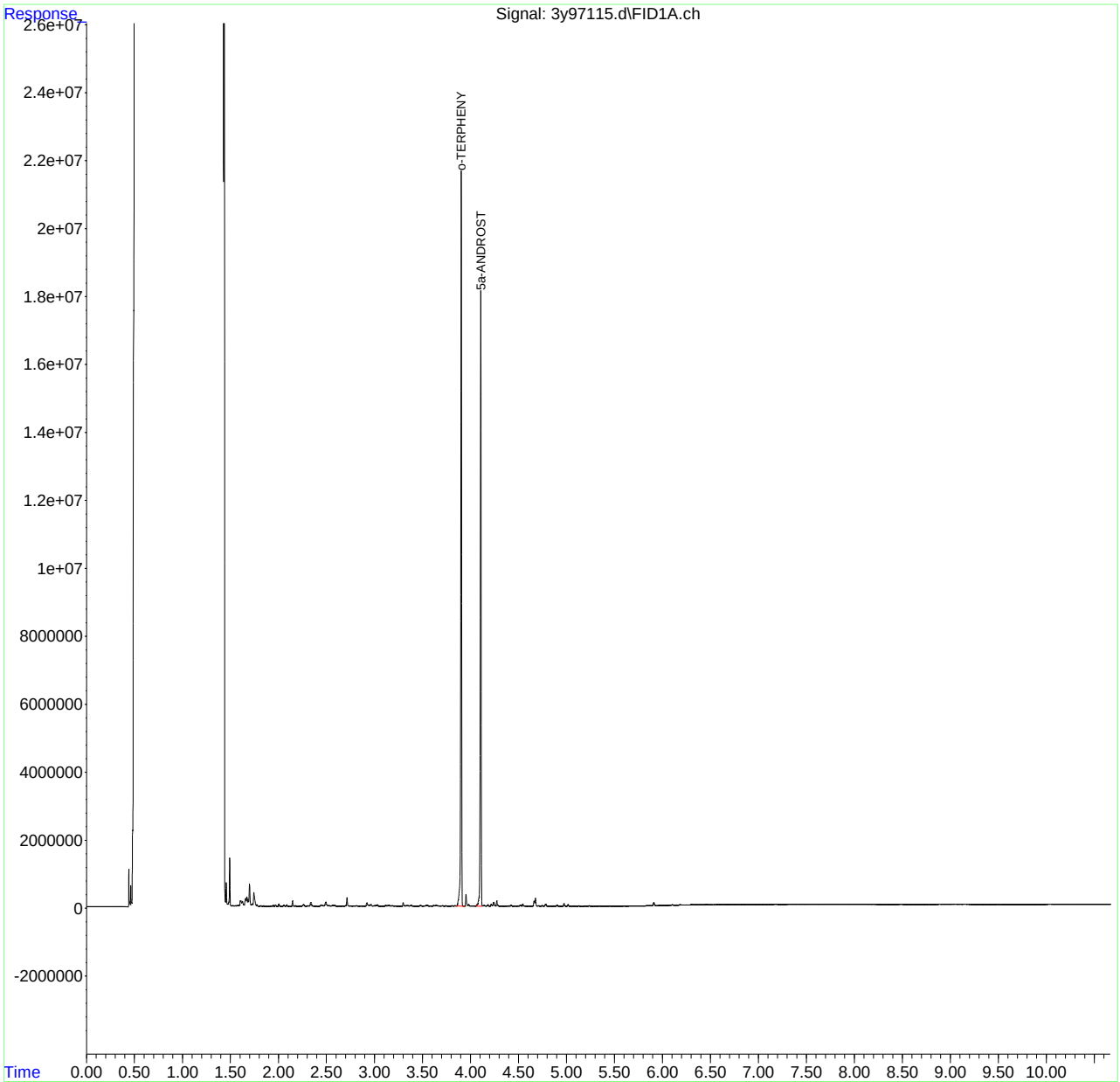
13.2.2
13

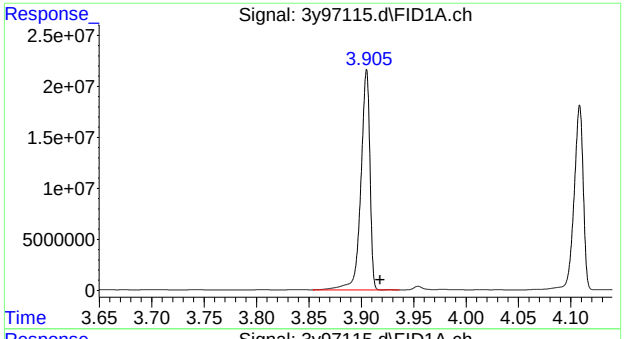
Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97115.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 1:51 am
Operator : rebeccak
Sample : op68257-mb2
Misc : op68257,g3y3747,51.7,,,2,1
ALS Vial : 29 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 17:16:23 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

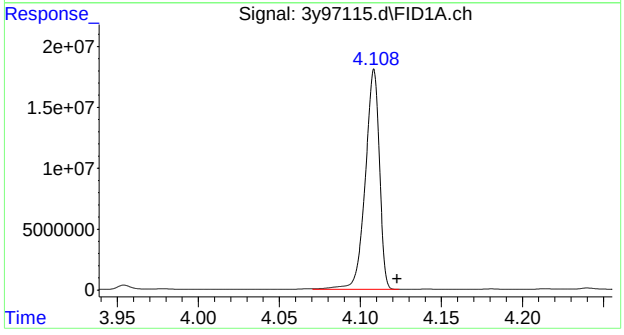
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





#6 o-TERPHENYL

R.T.: 3.905 min
Delta R.T.: -0.013 min
Response: 129601968
Conc: 2.87 PPM



#7 5a-ANDROSTANE

R.T.: 4.108 min
Delta R.T.: -0.015 min
Response: 109825743
Conc: 2.77 PPM m

Manual Integration Approval Summary

Sample Number: OP68257-MB2
Lab FileID: 3Y97115.D
Injection Time: 10/19/25 01:51
Method: SW846 8015D
Analyst approved: 10/20/25 15:31 Maria Benavides
Supervisor approved: 10/20/25 21:13 Rebecca Krug

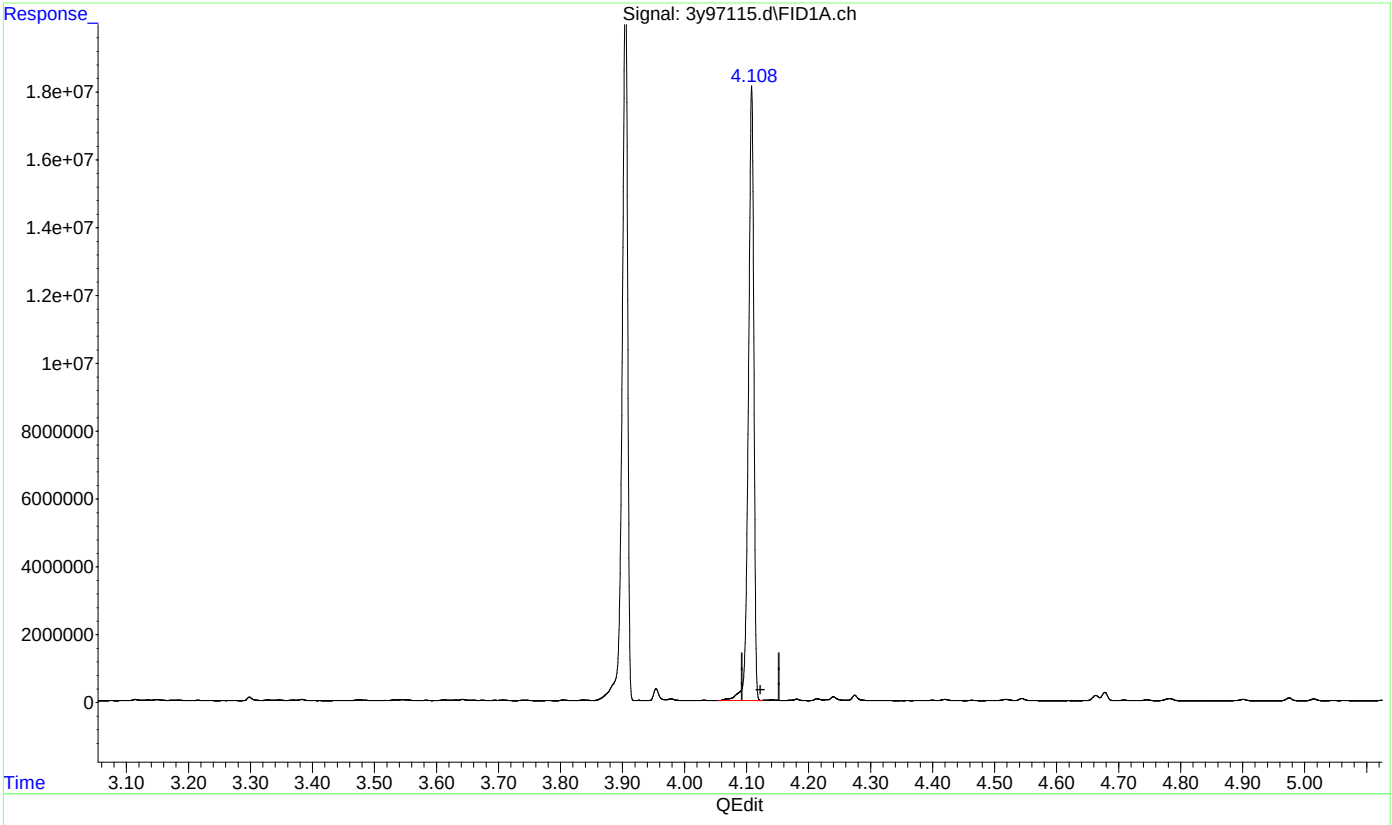
Parameter	CAS	Sig#	R.T. (min.)	Reason
5a-Androstane	438-22-2	1	4.11	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97115.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 1:51 am
Operator : rebeccak
Sample : op68257-mb2
Misc : op68257,g3y3747,51.7,,,2,1
ALS Vial : 29 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:05:59 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.108min 2.774 PPM

response 110010182

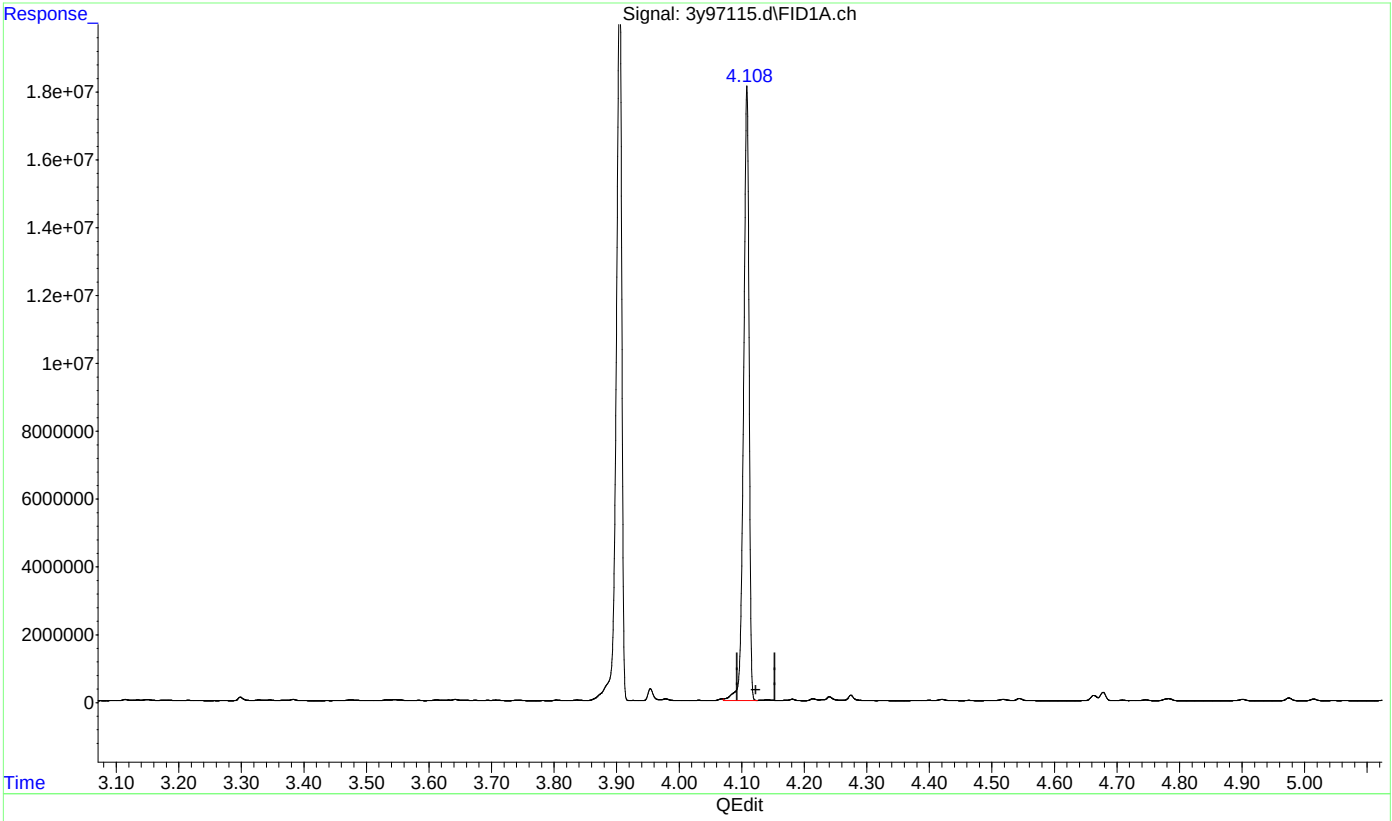
(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 17:16:05 2025

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97115.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 1:51 am
Operator : rebeccak
Sample : op68257-mb2
Misc : op68257,g3y3747,51.7,,,2,1
ALS Vial : 29 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:05:59 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.108min 2.769 PPM m

response 109825743

(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 17:16:26 2025

Manual Integrations APPROVED (compounds with "m" flag)
Rebecca Krug
10/20/25 21:13

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97100.d
Signal(s) : FID1A.ch
Acq On : 18 Oct 2025 8:42 pm
Operator : rebeccak
Sample : op68257-bs1
Misc : op68257,g3y3747,51.3,,,2,1
ALS Vial : 20 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:54:26 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
6) S o-TERPHENYL	3.907	130619835	2.896	PPM	m
Spiked Amount 50.000		Recovery = 5.79%			
7) S 5a-ANDROSTANE	4.112	110845062	2.795	PPM	m
Spiked Amount 50.000		Recovery = 5.59%			
Target Compounds					
1) H TPH-DRO	3.600	1828703567	53.160	PPM	

(f)=RT Delta > 1/2 Window (m)=manual int.

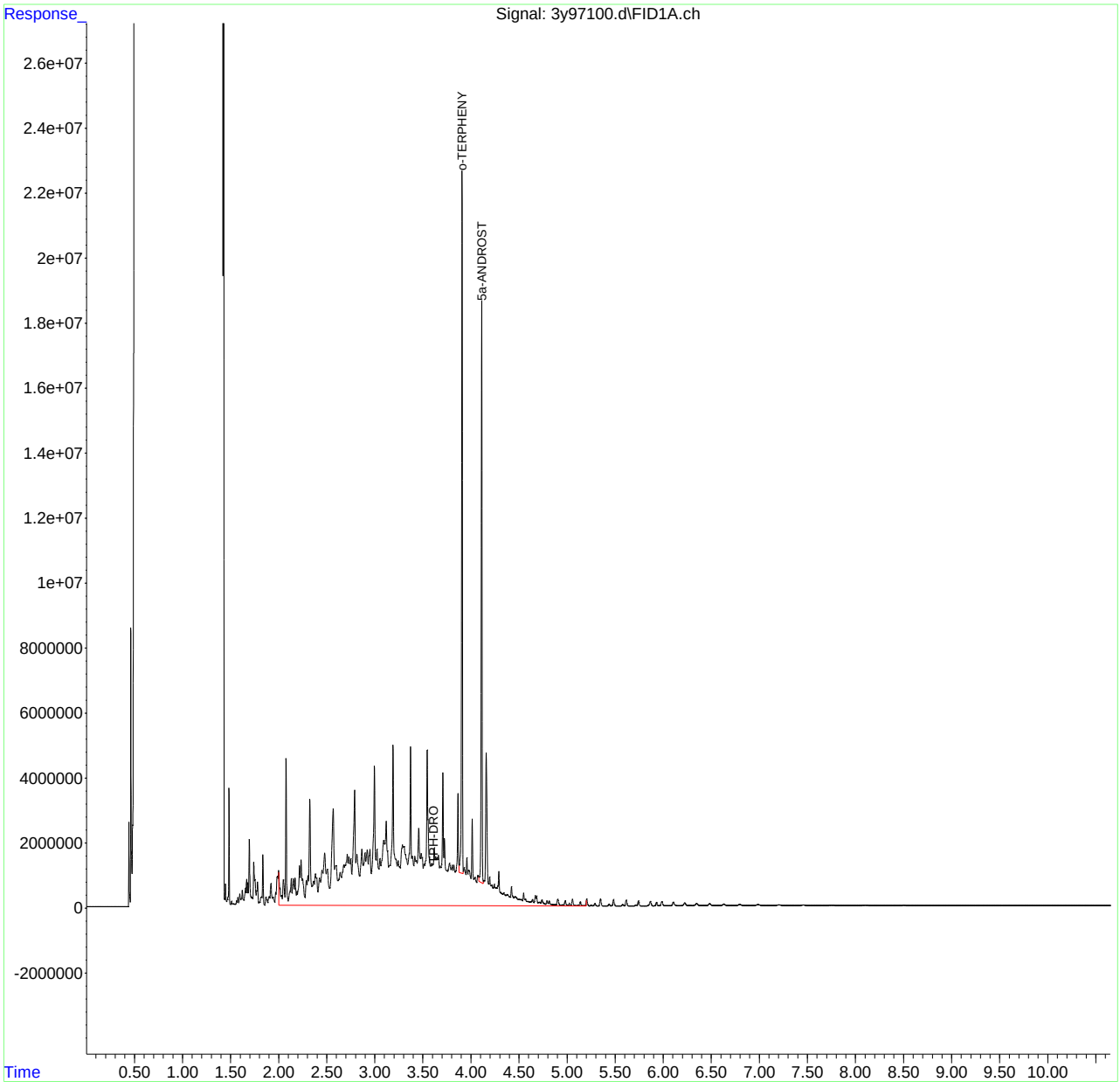
13.3.1
13

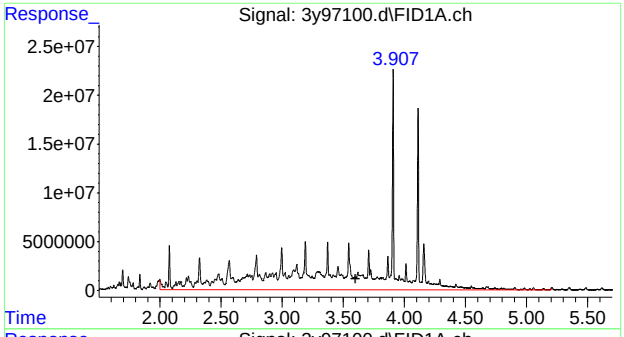
Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97100.d
Signal(s) : FID1A.ch
Acq On : 18 Oct 2025 8:42 pm
Operator : rebeccak
Sample : op68257-bs1
Misc : op68257,g3y3747,51.3,,,2,1
ALS Vial : 20 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:54:26 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

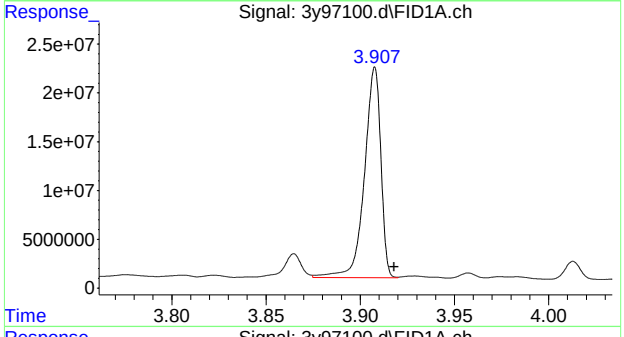
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





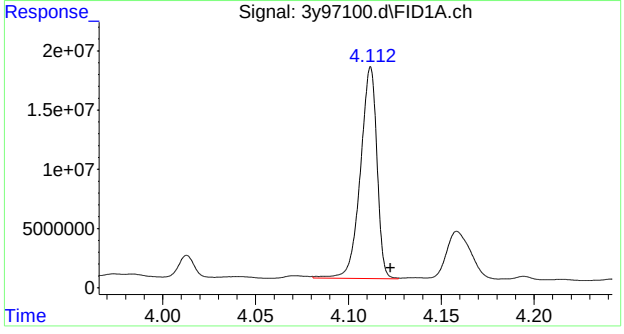
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 1828703567
Conc: 53.16 PPM



#6 o-TERPHENYL

R.T.: 3.907 min
Delta R.T.: -0.011 min
Response: 130619835
Conc: 2.90 PPM m



#7 5a-ANDROSTANE

R.T.: 4.112 min
Delta R.T.: -0.011 min
Response: 110845062
Conc: 2.80 PPM m

Manual Integration Approval Summary

Sample Number: OP68257-BS1
Lab FileID: 3Y97100.D
Injection Time: 10/18/25 20:42
Method: SW846 8015D
Analyst approved: 10/20/25 15:31 Maria Benavides
Supervisor approved: 10/20/25 21:13 Rebecca Krug

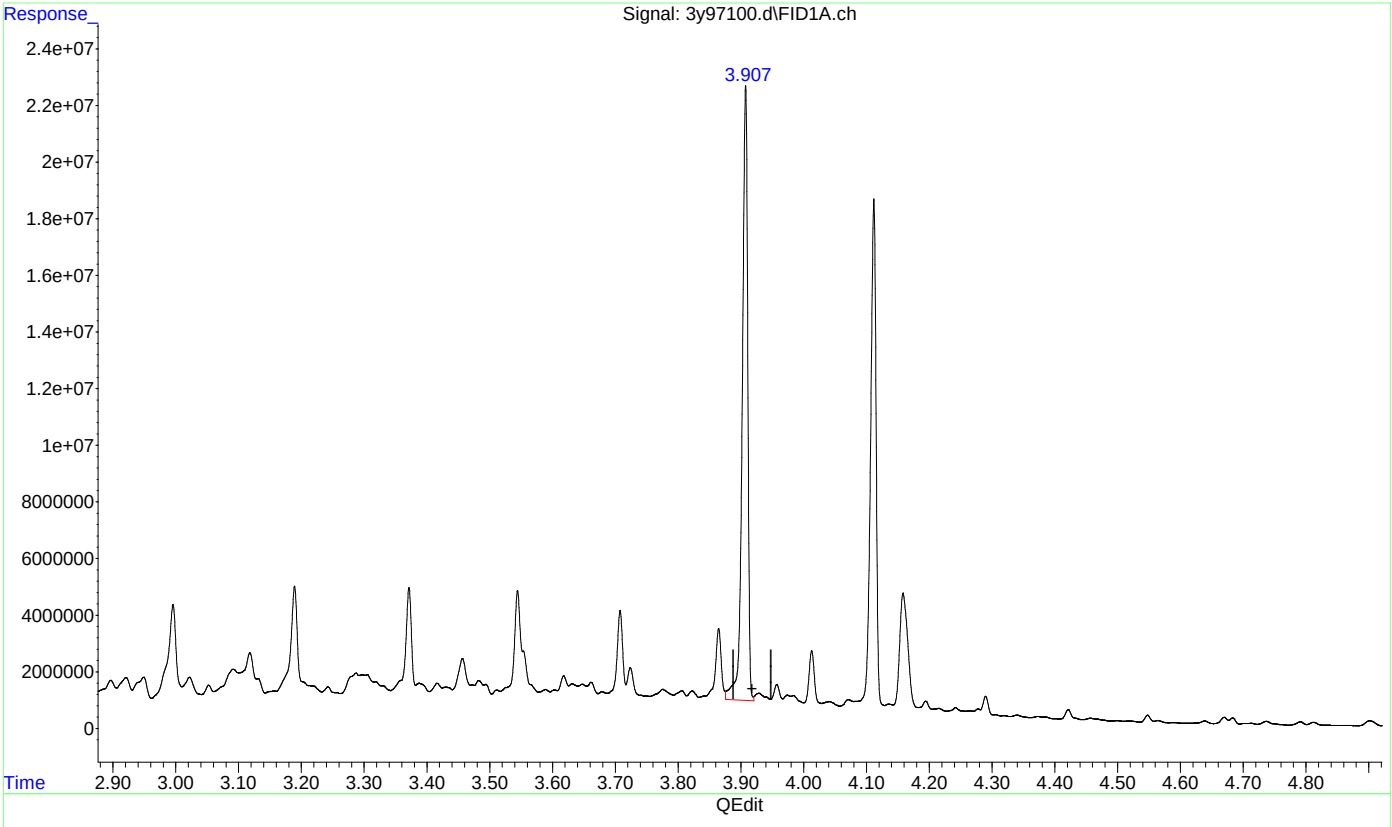
Parameter	CAS	Sig#	R.T. (min.)	Reason
o-Terphenyl	84-15-1	1	3.91	Poorly defined baseline
5a-Androstane	438-22-2	1	4.11	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97100.d
Signal(s) : FID1A.ch
Acq On : 18 Oct 2025 8:42 pm
Operator : rebeccak
Sample : op68257-bs1
Misc : op68257,g3y3747,51.3,,,2,1
ALS Vial : 20 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:04:55 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.908min 2.942 PPM

response 132655241

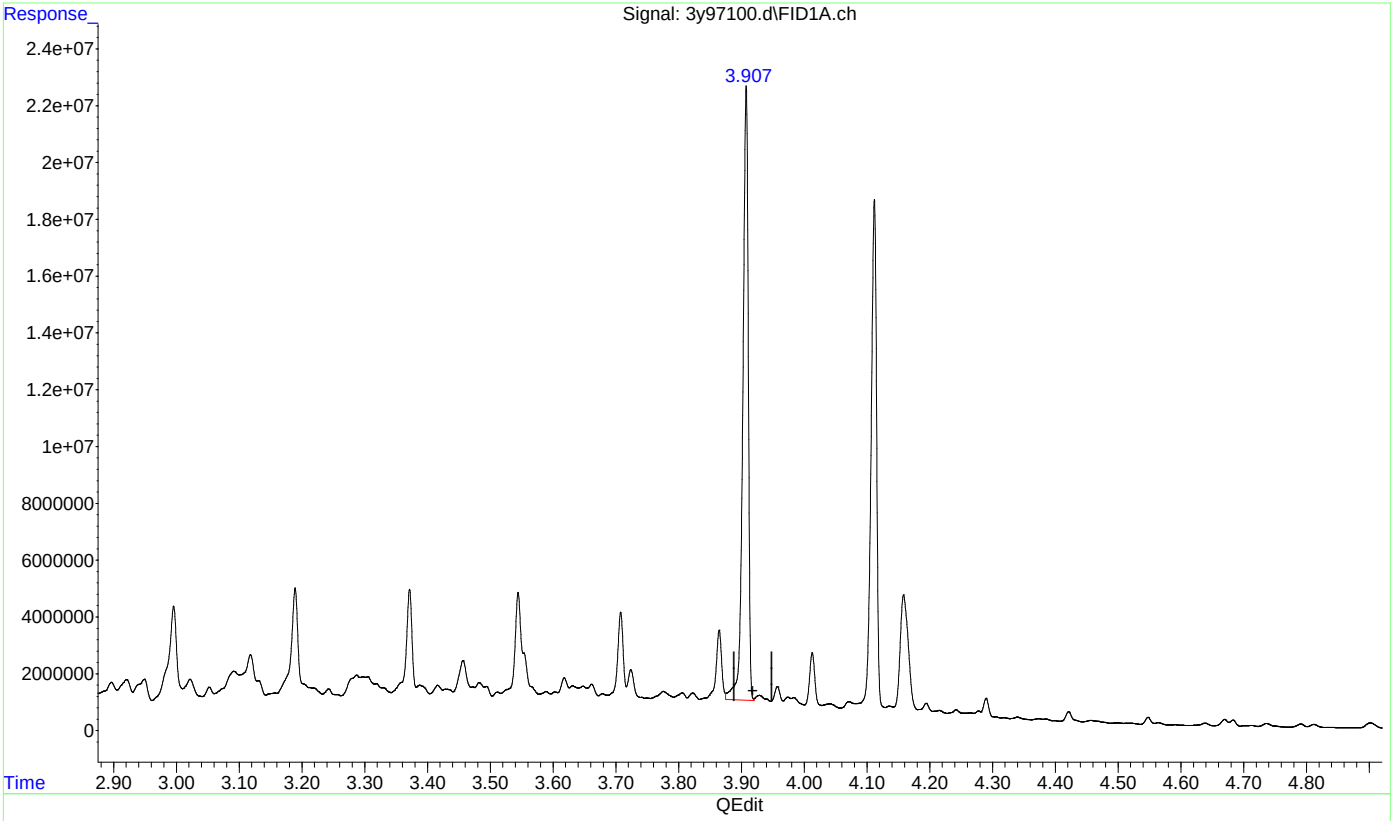
(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 16:53:38 2025

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97100.d
Signal(s) : FID1A.ch
Acq On : 18 Oct 2025 8:42 pm
Operator : rebeccak
Sample : op68257-bs1
Misc : op68257,g3y3747,51.3,,,2,1
ALS Vial : 20 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:04:55 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.907min 2.896 PPM m

response 130619835

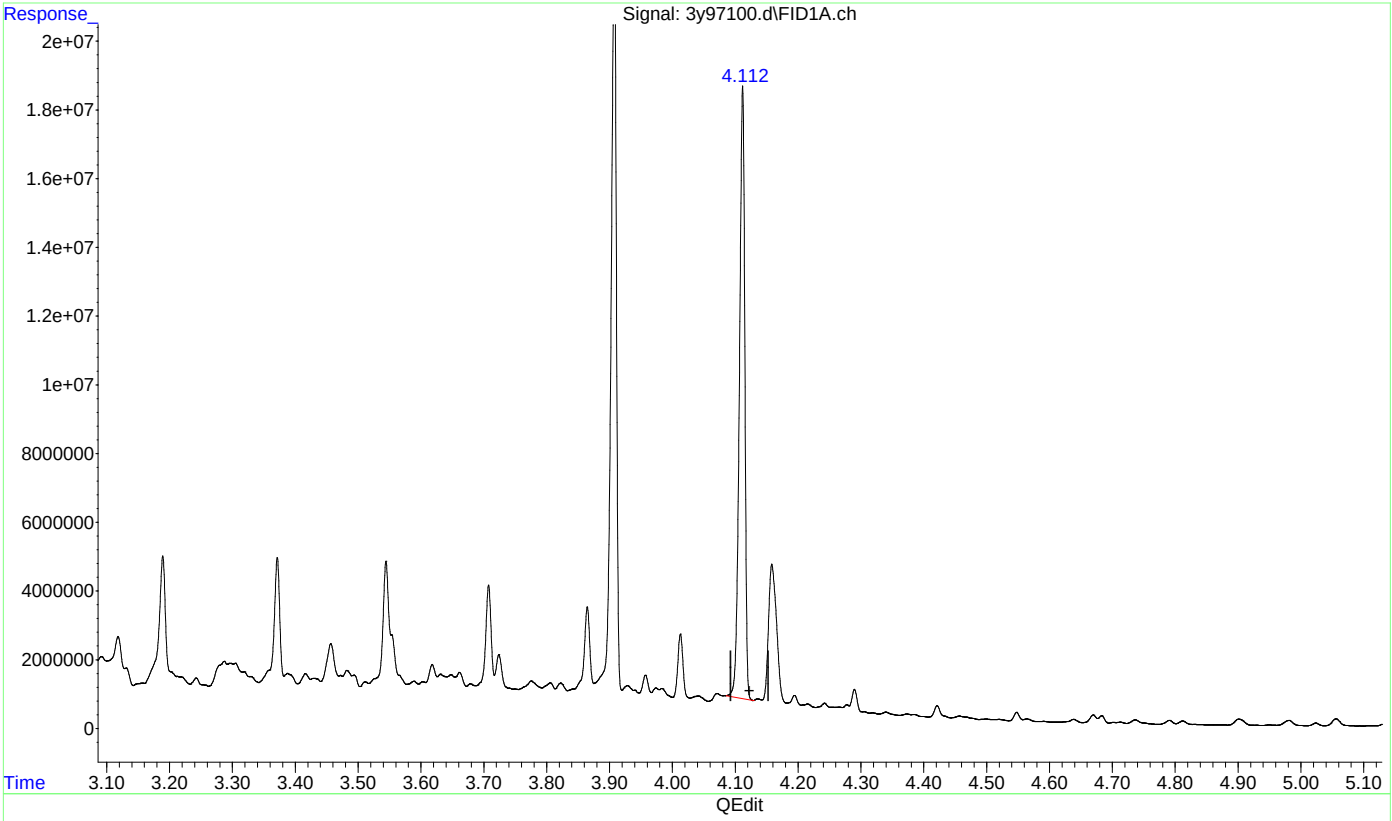
(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 16:53:58 2025

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97100.d
Signal(s) : FID1A.ch
Acq On : 18 Oct 2025 8:42 pm
Operator : rebeccak
Sample : op68257-bs1
Misc : op68257,g3y3747,51.3,,,2,1
ALS Vial : 20 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:04:55 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.112min 2.723 PPM

response 107999264

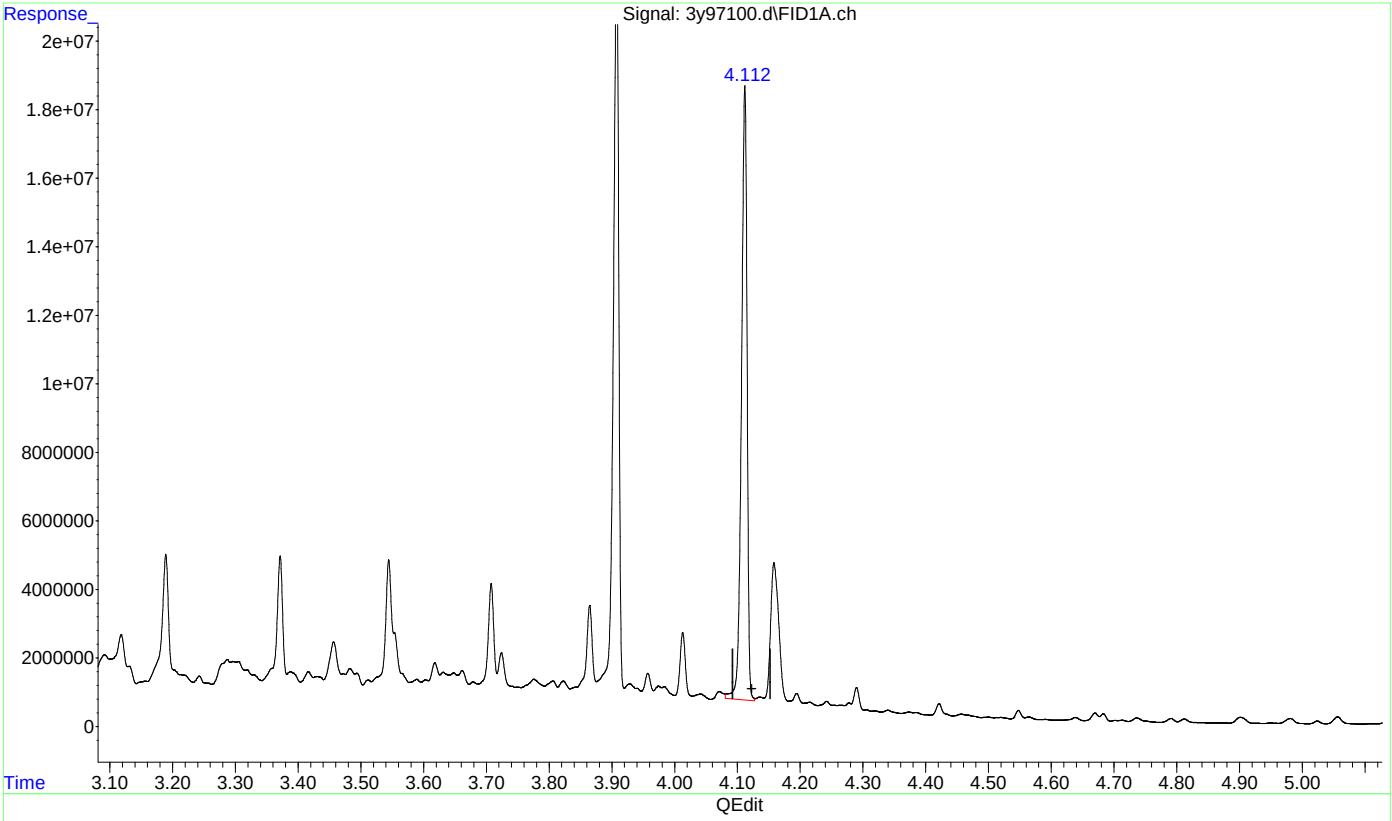
(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 16:54:03 2025

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97100.d
Signal(s) : FID1A.ch
Acq On : 18 Oct 2025 8:42 pm
Operator : rebeccak
Sample : op68257-bs1
Misc : op68257,g3y3747,51.3,,,2,1
ALS Vial : 20 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:04:55 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.112min 2.795 PPM m

response 110845062

(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 16:54:29 2025

Manual Integrations APPROVED (compounds with "m" flag)
Rebecca Krug
10/20/25 21:13

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97104.d
Signal(s) : FID1A.ch
Acq On : 18 Oct 2025 10:15 pm
Operator : rebeccak
Sample : op68257-bsd
Misc : op68257,g3y3747,51.5,,,2,1
ALS Vial : 21 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:58:13 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
6) S o-TERPHENYL	3.908	139827658	3.101	PPM	m
Spiked Amount 50.000		Recovery =	6.20%		
7) S 5a-ANDROSTANE	4.112	118384791	2.985	PPM	m
Spiked Amount 50.000		Recovery =	5.97%		
Target Compounds					
1) H TPH-DRO	3.600	1919025311	55.786	PPM	

(f)=RT Delta > 1/2 Window (m)=manual int.

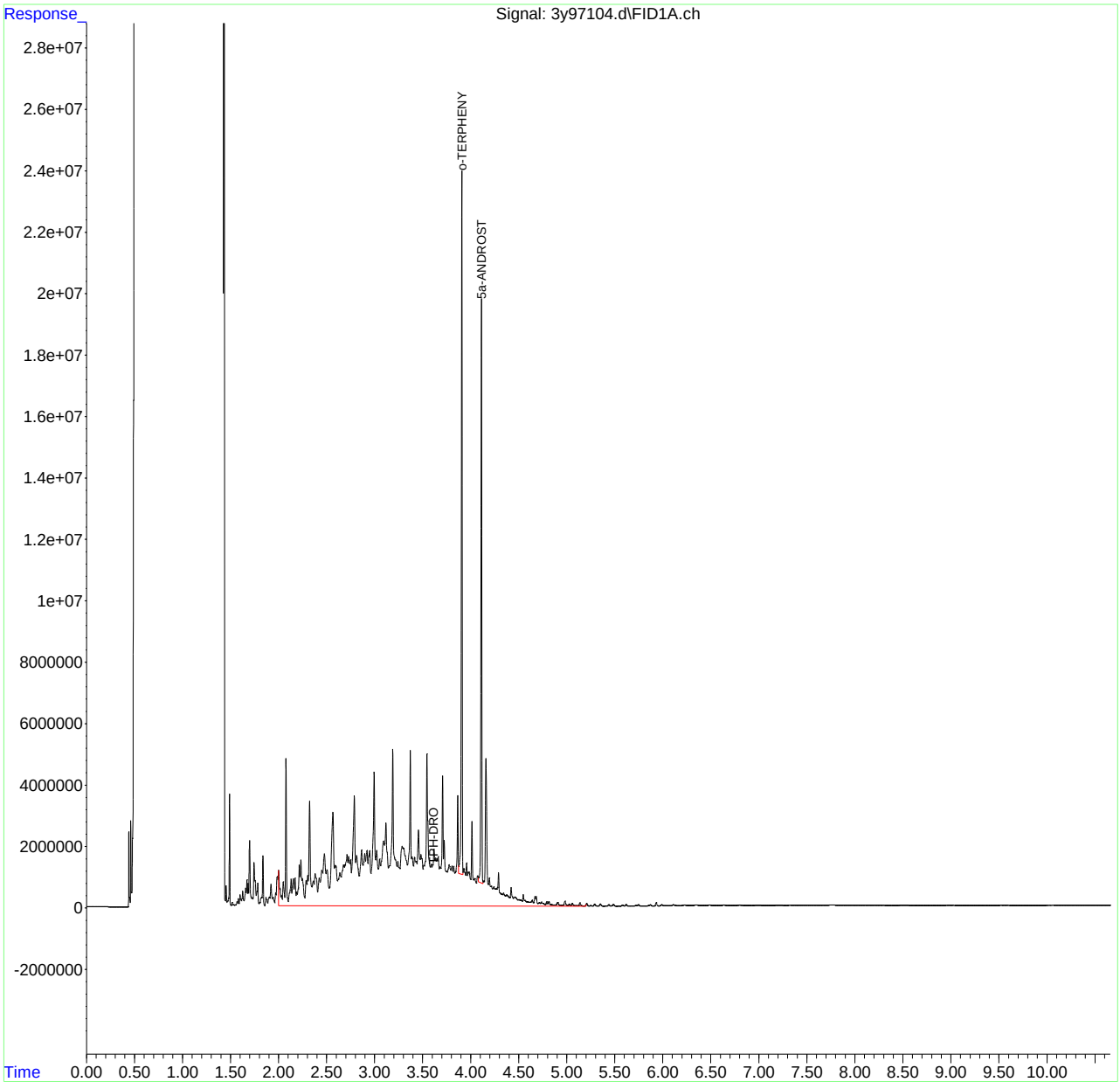
13.3.2
13

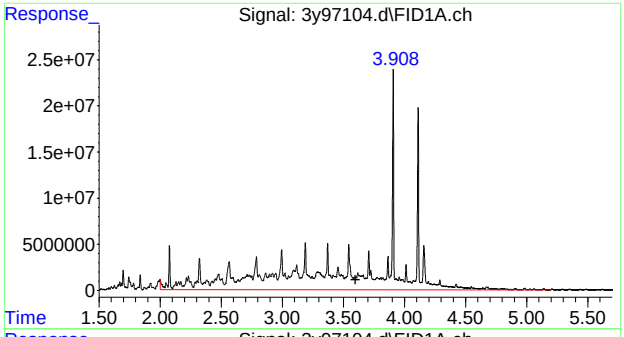
Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97104.d
Signal(s) : FID1A.ch
Acq On : 18 Oct 2025 10:15 pm
Operator : rebeccak
Sample : op68257-bsd
Misc : op68257,g3y3747,51.5,,,2,1
ALS Vial : 21 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:58:13 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

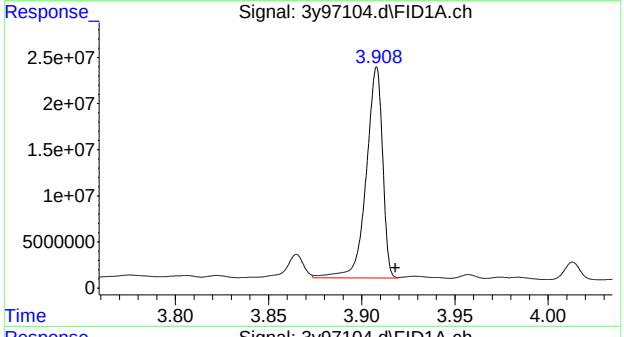
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





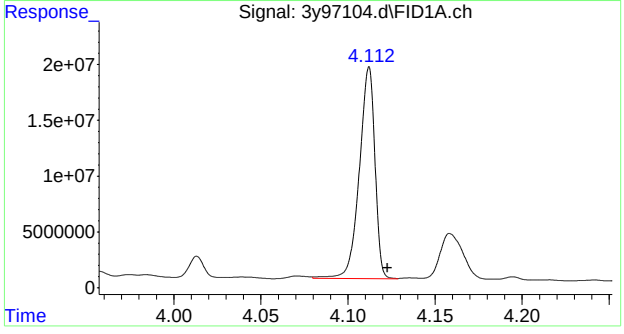
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 1919025311
Conc: 55.79 PPM



#6 o-TERPHENYL

R.T.: 3.908 min
Delta R.T.: -0.010 min
Response: 139827658
Conc: 3.10 PPM m



#7 5a-ANDROSTANE

R.T.: 4.112 min
Delta R.T.: -0.011 min
Response: 118384791
Conc: 2.99 PPM m

Manual Integration Approval Summary

Sample Number: OP68257-BSD
Lab FileID: 3Y97104.D
Injection Time: 10/18/25 22:15
Method: SW846 8015D
Analyst approved: 10/20/25 15:31 Maria Benavides
Supervisor approved: 10/20/25 21:13 Rebecca Krug

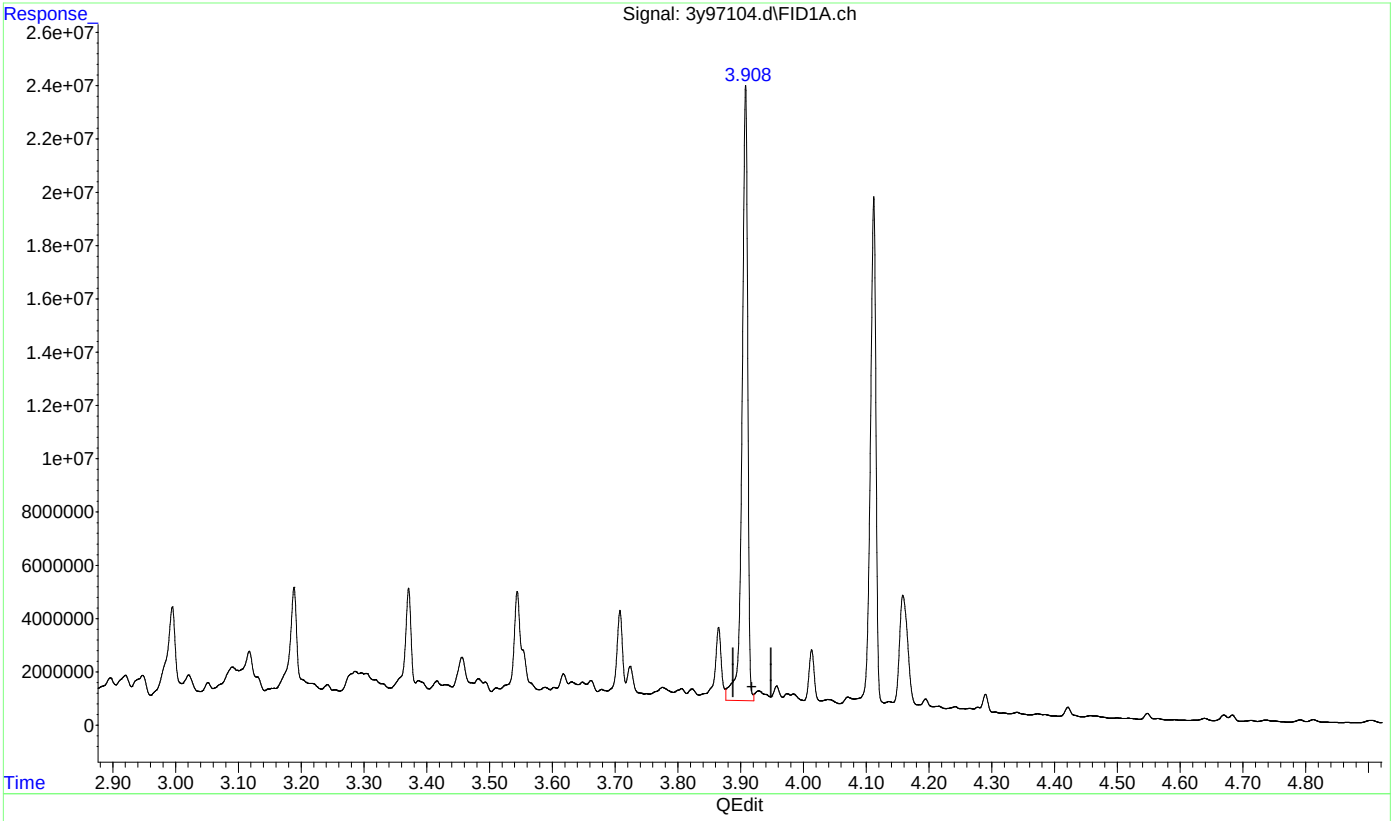
Parameter	CAS	Sig#	R.T. (min.)	Reason
o-Terphenyl	84-15-1	1	3.91	Poorly defined baseline
5a-Androstane	438-22-2	1	4.11	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97104.d
Signal(s) : FID1A.ch
Acq On : 18 Oct 2025 10:15 pm
Operator : rebeccak
Sample : op68257-bsd
Misc : op68257,g3y3747,51.5,,,2,1
ALS Vial : 21 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:05:10 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.908min 3.203 PPM

response 144424678

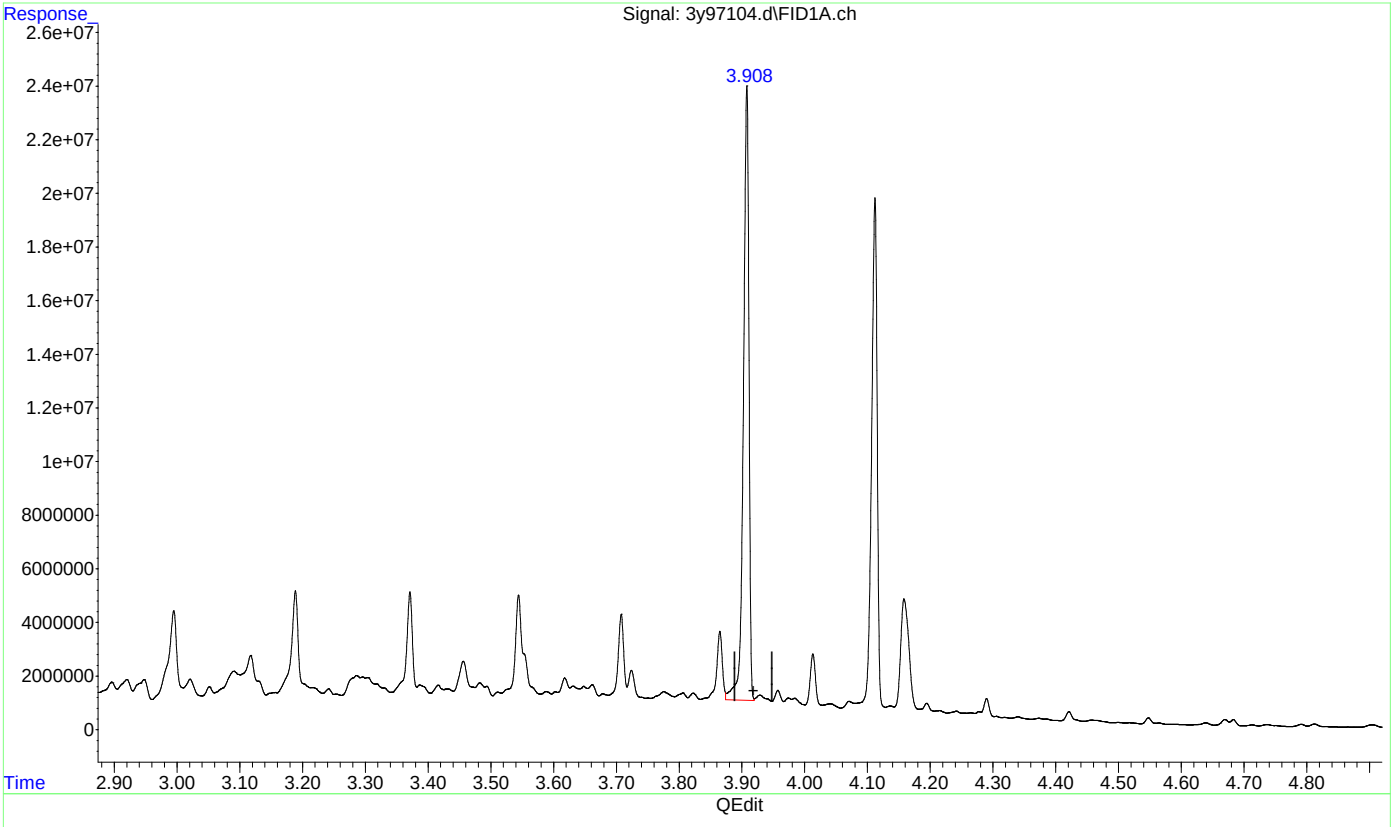
(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 16:57:26 2025

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97104.d
Signal(s) : FID1A.ch
Acq On : 18 Oct 2025 10:15 pm
Operator : rebeccak
Sample : op68257-bsd
Misc : op68257,g3y3747,51.5,,,2,1
ALS Vial : 21 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:05:10 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.908min 3.101 PPM m

response 139827658

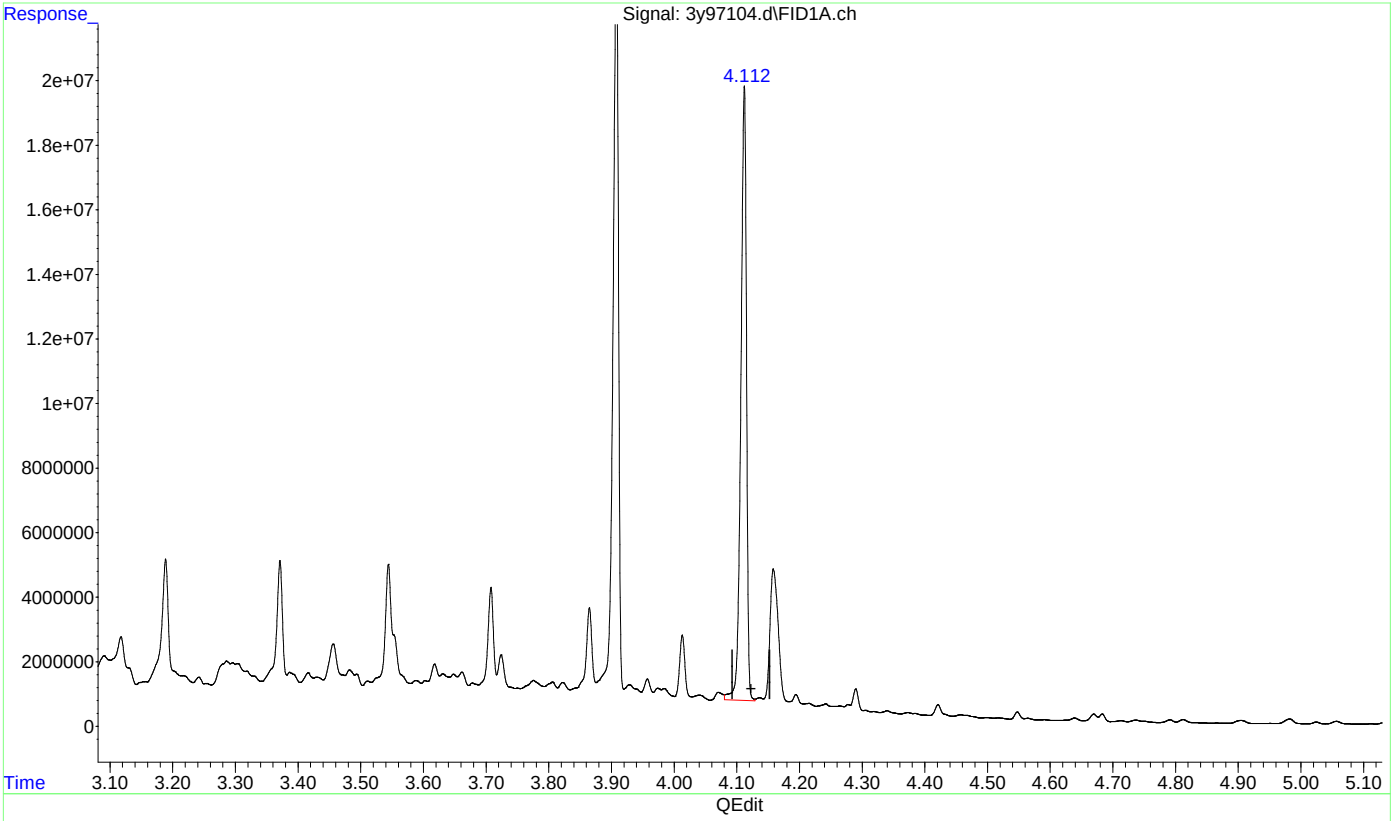
(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 16:57:42 2025

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97104.d
Signal(s) : FID1A.ch
Acq On : 18 Oct 2025 10:15 pm
Operator : rebeccak
Sample : op68257-bsd
Misc : op68257,g3y3747,51.5,,,2,1
ALS Vial : 21 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:05:10 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.112min 2.996 PPM

response 118814701

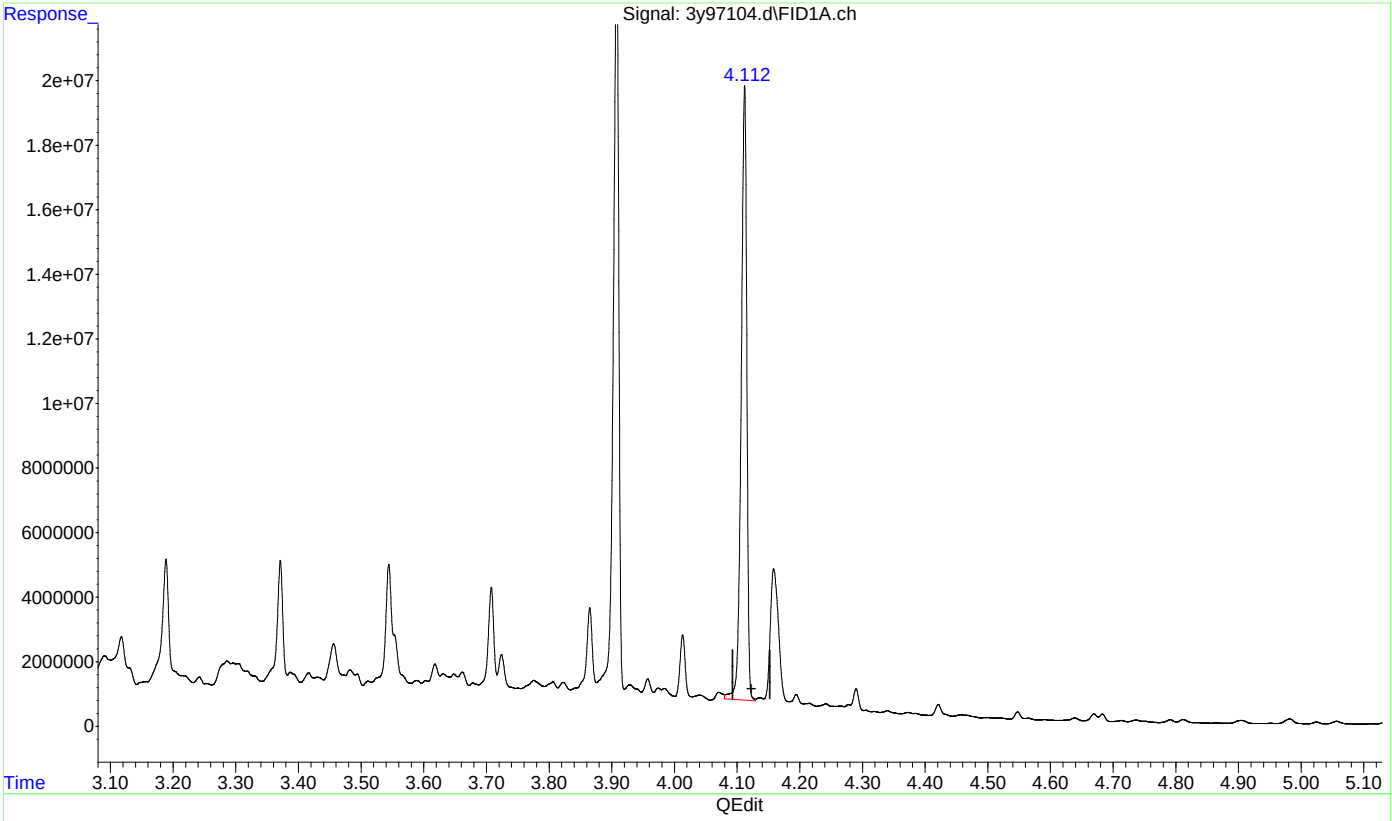
(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 16:57:45 2025

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97104.d
Signal(s) : FID1A.ch
Acq On : 18 Oct 2025 10:15 pm
Operator : rebeccak
Sample : op68257-bsd
Misc : op68257,g3y3747,51.5,,,2,1
ALS Vial : 21 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:05:10 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.112min 2.985 PPM m

response 118384791

(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 16:58:16 2025

Manual Integrations APPROVED (compounds with "m" flag)
Rebecca Krug
10/20/25 21:13

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97116.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 2:10 am
Operator : rebeccak
Sample : op68257-bs2
Misc : op68257,g3y3747,51.2,,,2,1
ALS Vial : 30 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 17:17:30 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
6) S o-TERPHENYL	3.907	141138773	3.130	PPM	m
Spiked Amount 50.000		Recovery = 6.26%			
7) S 5a-ANDROSTANE	4.111	117239355	2.956	PPM	m
Spiked Amount 50.000		Recovery = 5.91%			
Target Compounds					
1) H TPH-DRO	3.600	1975521864	57.428	PPM	

(f)=RT Delta > 1/2 Window (m)=manual int.

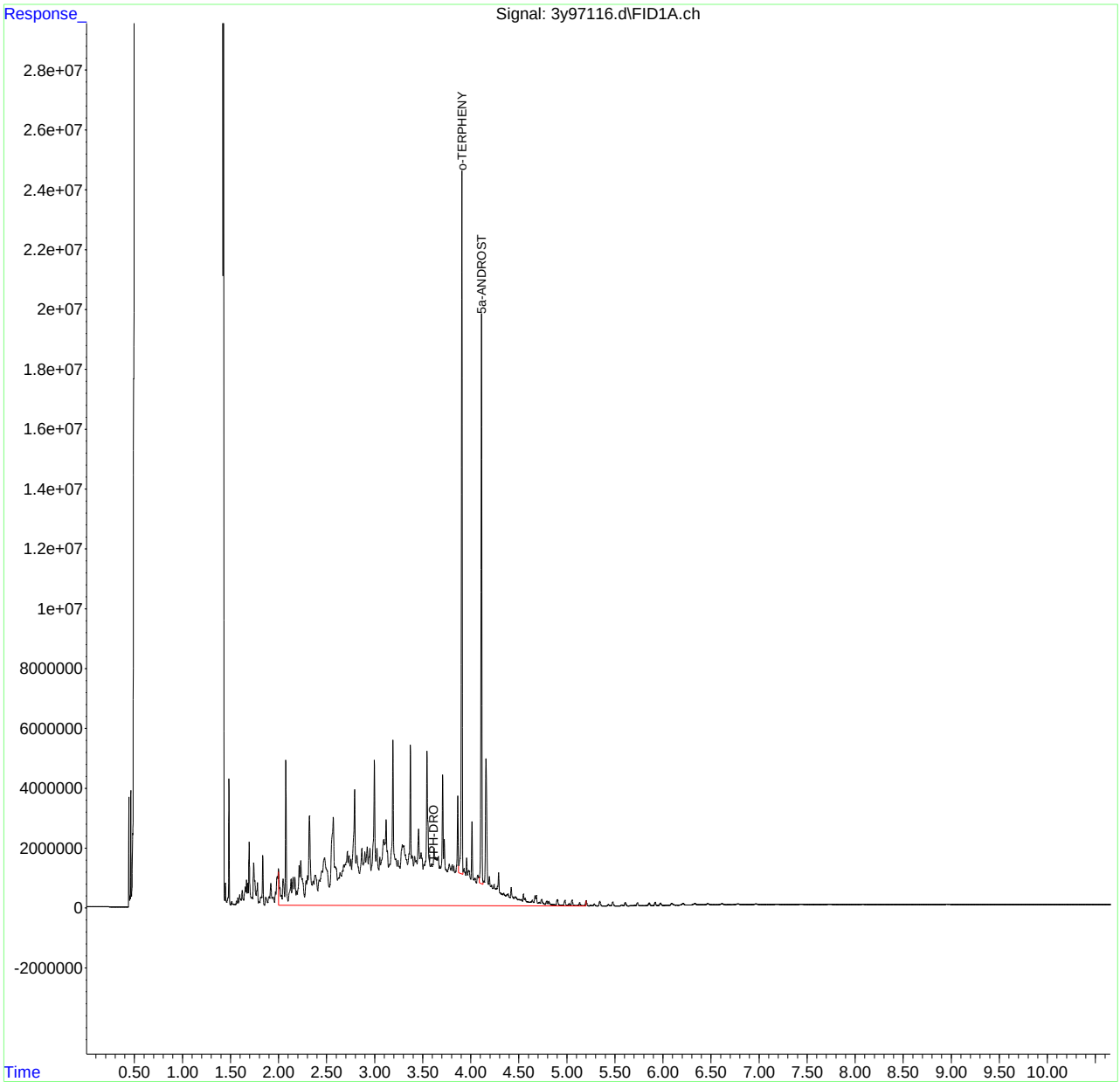
13.3.3
13

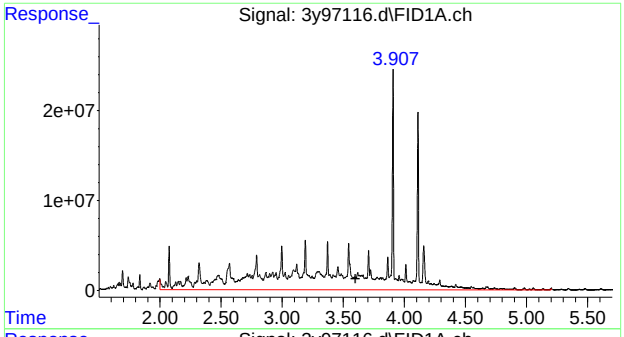
Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97116.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 2:10 am
Operator : rebeccak
Sample : op68257-bs2
Misc : op68257,g3y3747,51.2,,,2,1
ALS Vial : 30 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 17:17:30 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

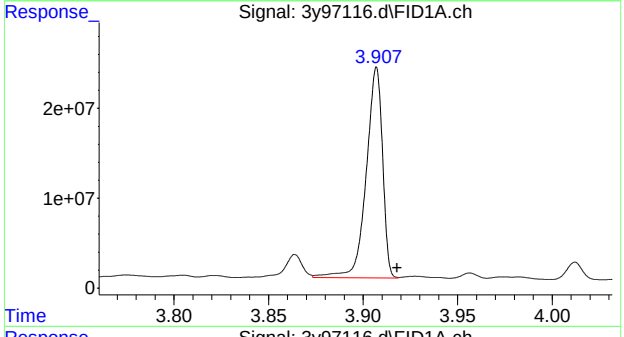
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





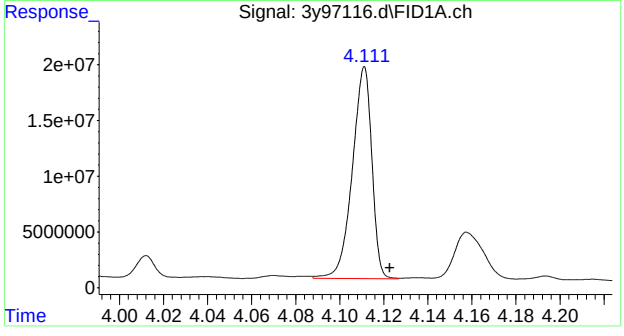
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 1975521864
Conc: 57.43 PPM



#6 o-TERPHENYL

R.T.: 3.907 min
Delta R.T.: -0.011 min
Response: 141138773
Conc: 3.13 PPM m



#7 5a-ANDROSTANE

R.T.: 4.111 min
Delta R.T.: -0.012 min
Response: 117239355
Conc: 2.96 PPM m

Manual Integration Approval Summary

Sample Number: OP68257-BS2
Lab FileID: 3Y97116.D
Injection Time: 10/19/25 02:10
Method: SW846 8015D
Analyst approved: 10/20/25 15:31 Maria Benavides
Supervisor approved: 10/20/25 21:13 Rebecca Krug

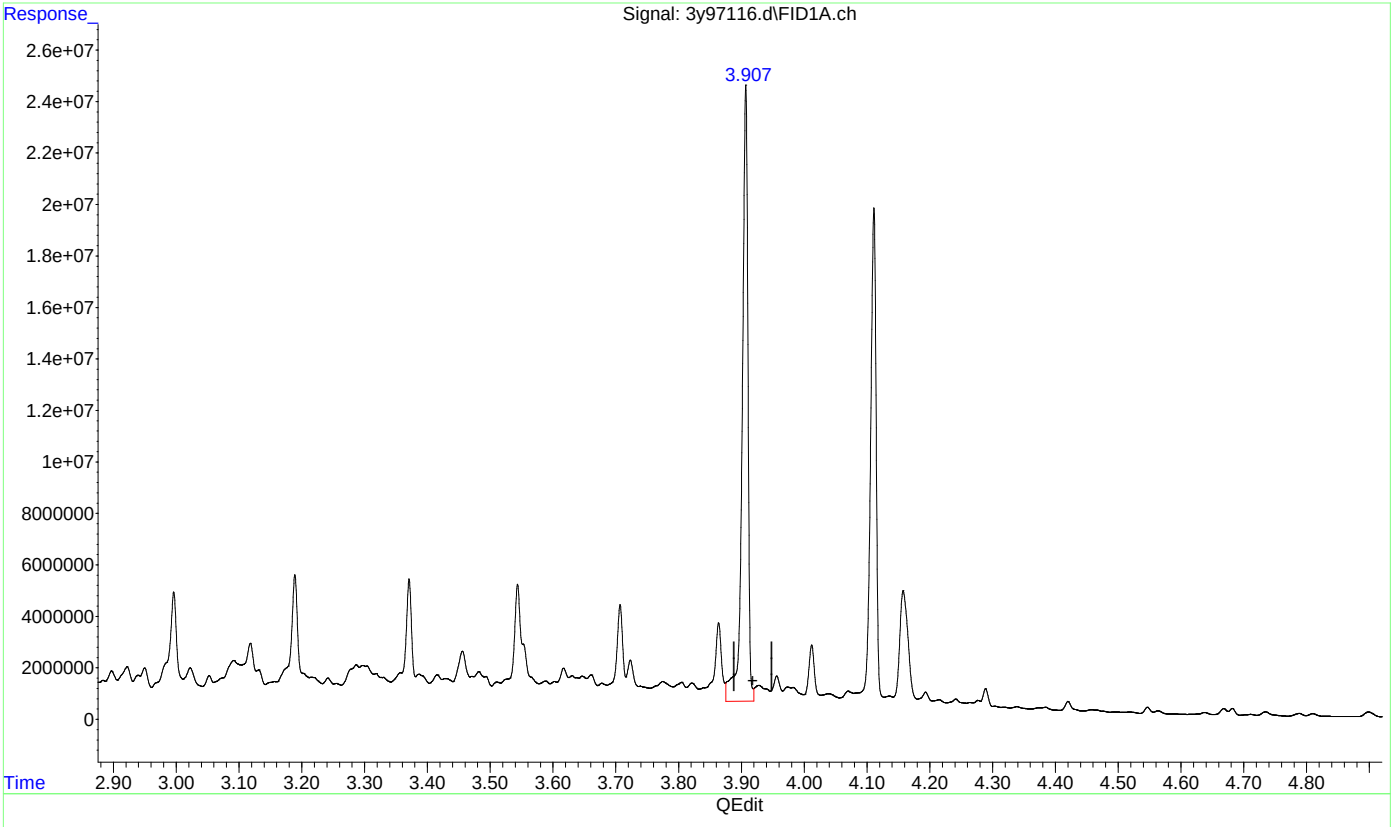
Parameter	CAS	Sig#	R.T. (min.)	Reason
o-Terphenyl	84-15-1	1	3.91	Poorly defined baseline
5a-Androstane	438-22-2	1	4.11	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97116.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 2:10 am
Operator : rebeccak
Sample : op68257-bs2
Misc : op68257,g3y3747,51.2,,,2,1
ALS Vial : 30 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:06:05 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.907min 3.395 PPM

response 153105078

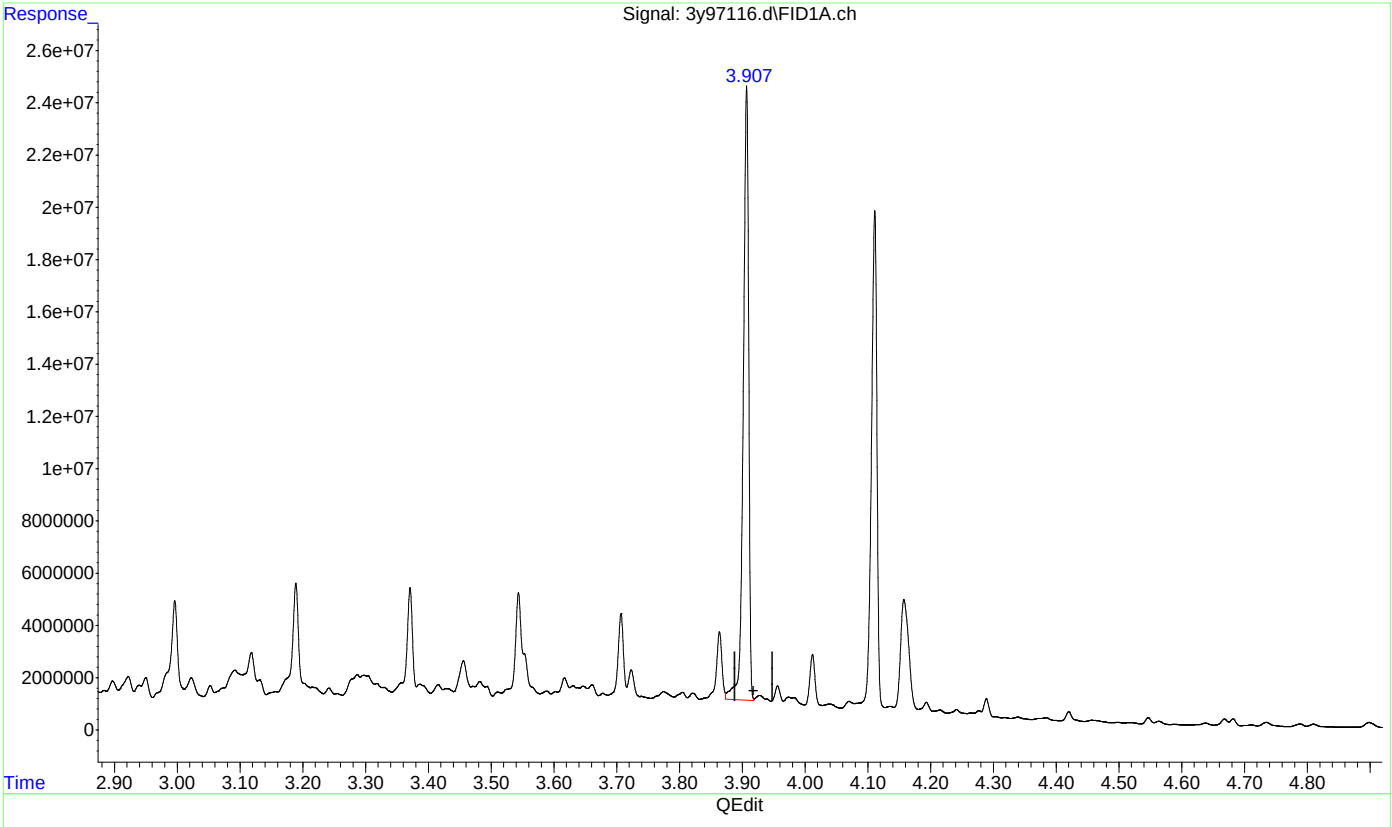
(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 17:17:00 2025

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97116.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 2:10 am
Operator : rebeccak
Sample : op68257-bs2
Misc : op68257,g3y3747,51.2,,,2,1
ALS Vial : 30 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:06:05 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.907min 3.130 PPM m

response 141138773

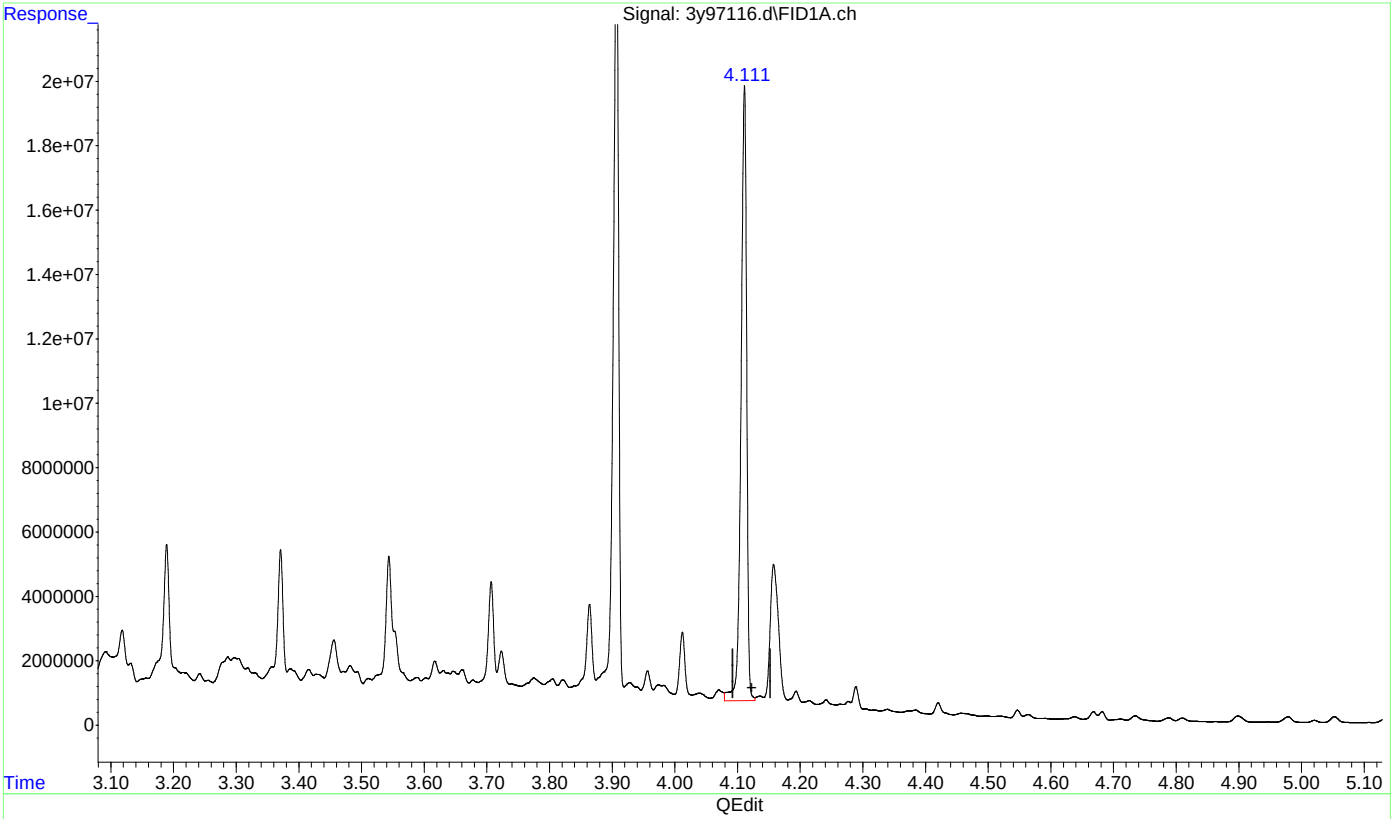
(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 17:17:13 2025

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97116.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 2:10 am
Operator : rebeccak
Sample : op68257-bs2
Misc : op68257,g3y3747,51.2,,,2,1
ALS Vial : 30 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:06:05 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.111min 3.025 PPM

response 119979602

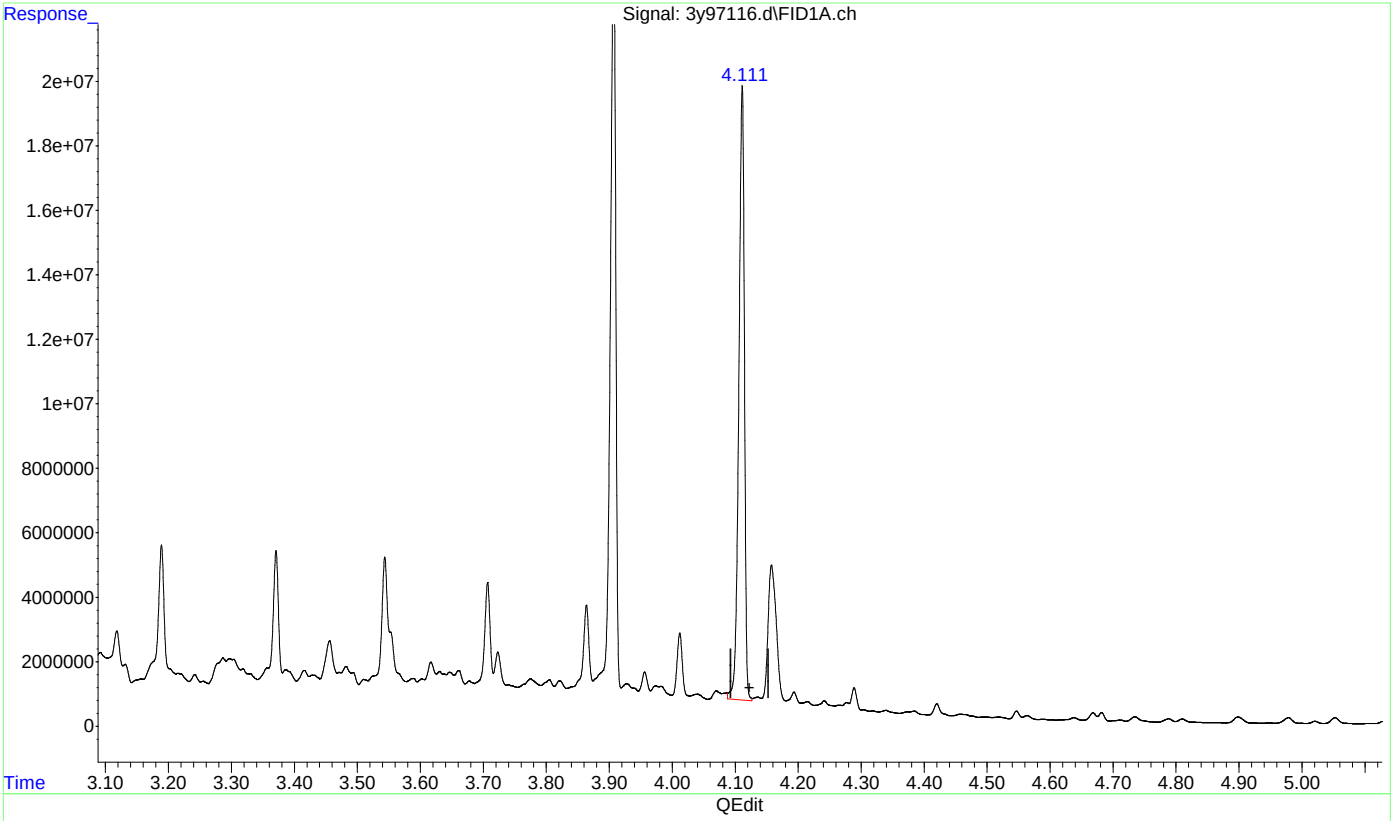
(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 17:17:17 2025

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97116.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 2:10 am
Operator : rebeccak
Sample : op68257-bs2
Misc : op68257,g3y3747,51.2,,,2,1
ALS Vial : 30 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:06:05 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.111min 2.956 PPM m

response 117239355

(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 17:17:33 2025

Manual Integrations APPROVED (compounds with "m" flag)
Rebecca Krug
10/20/25 21:13

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97117.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 2:30 am
Operator : rebeccak
Sample : op68257-bsd2
Misc : op68257,g3y3747,50.8,,,2,1
ALS Vial : 31 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 17:18:39 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
6) S o-TERPHENYL	3.906	141242188	3.132	PPM	m
Spiked Amount 50.000		Recovery =	6.26%		
7) S 5a-ANDROSTANE	4.110	120094509	3.028	PPM	m
Spiked Amount 50.000		Recovery =	6.06%		
Target Compounds					
1) H TPH-DRO	3.600	1950907121	56.713	PPM	

(f)=RT Delta > 1/2 Window (m)=manual int.

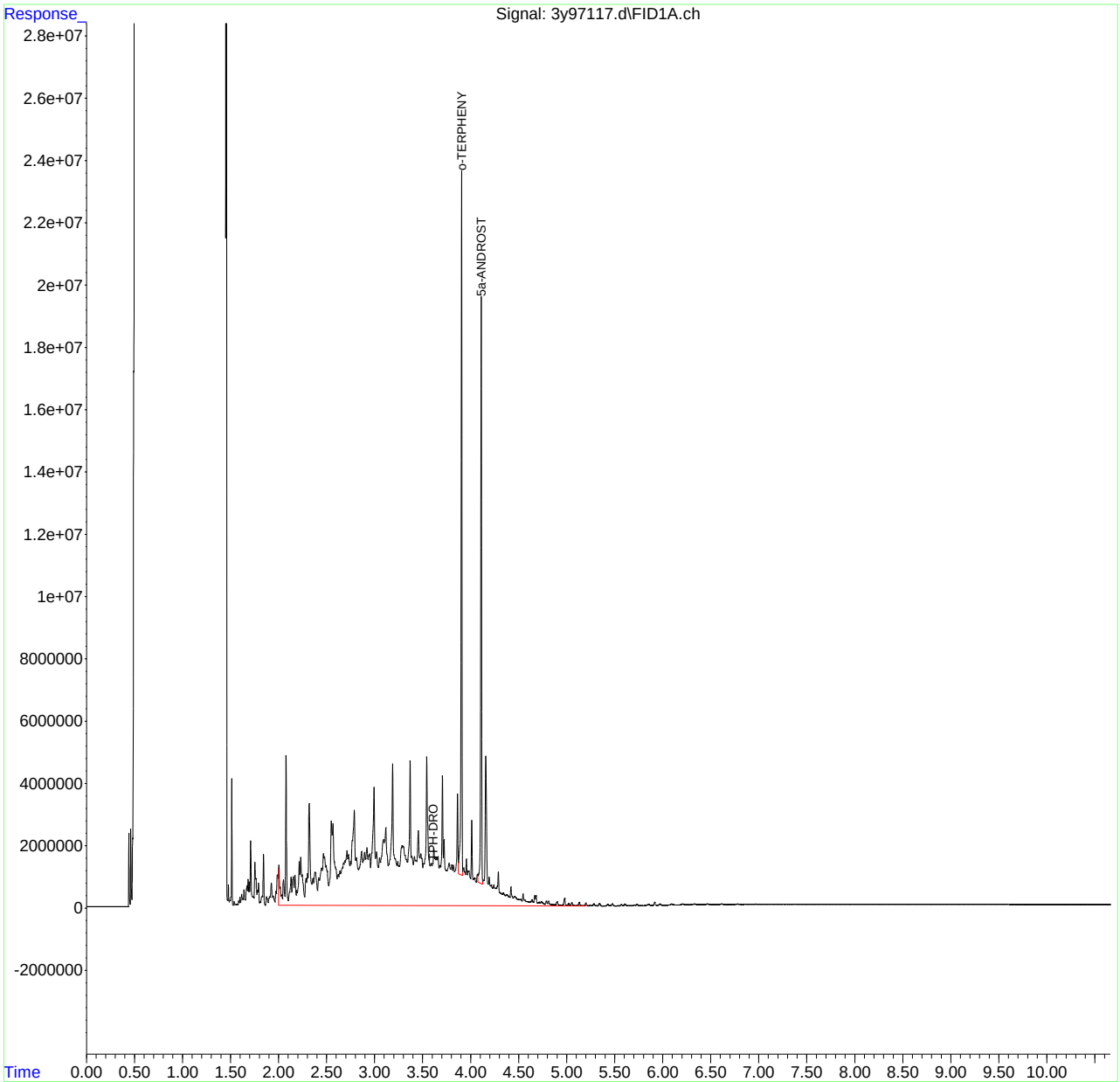
13.3.4
13

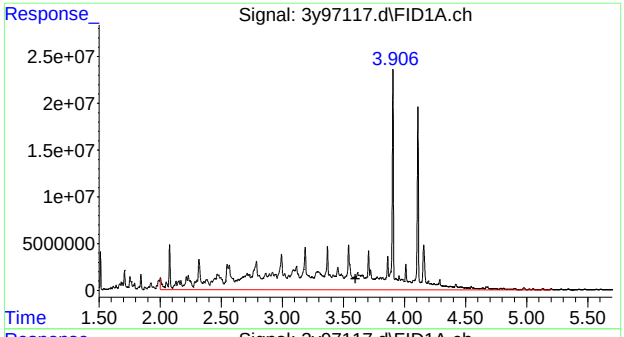
Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97117.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 2:30 am
Operator : rebeccak
Sample : op68257-bsd2
Misc : op68257,g3y3747,50.8,,,2,1
ALS Vial : 31 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 17:18:39 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

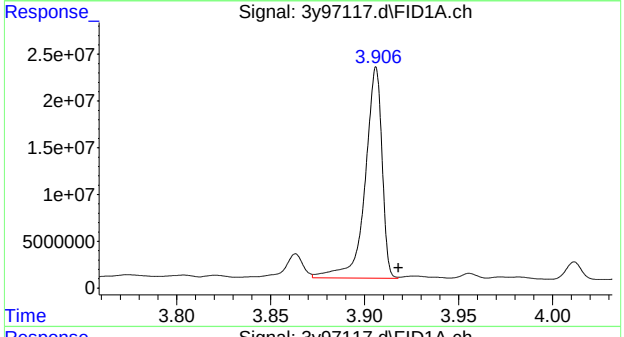
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





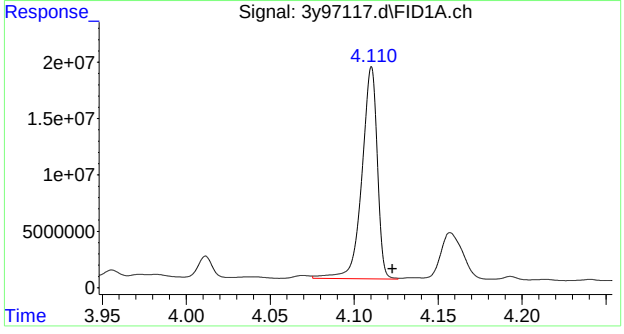
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 1950907121
Conc: 56.71 PPM



#6 o-TERPHENYL

R.T.: 3.906 min
Delta R.T.: -0.012 min
Response: 141242188
Conc: 3.13 PPM m



#7 5a-ANDROSTANE

R.T.: 4.110 min
Delta R.T.: -0.013 min
Response: 120094509
Conc: 3.03 PPM m

Manual Integration Approval Summary

Sample Number: OP68257-BSD2
Lab FileID: 3Y97117.D
Injection Time: 10/19/25 02:30
Method: SW846 8015D
Analyst approved: 10/20/25 15:31 Maria Benavides
Supervisor approved: 10/20/25 21:13 Rebecca Krug

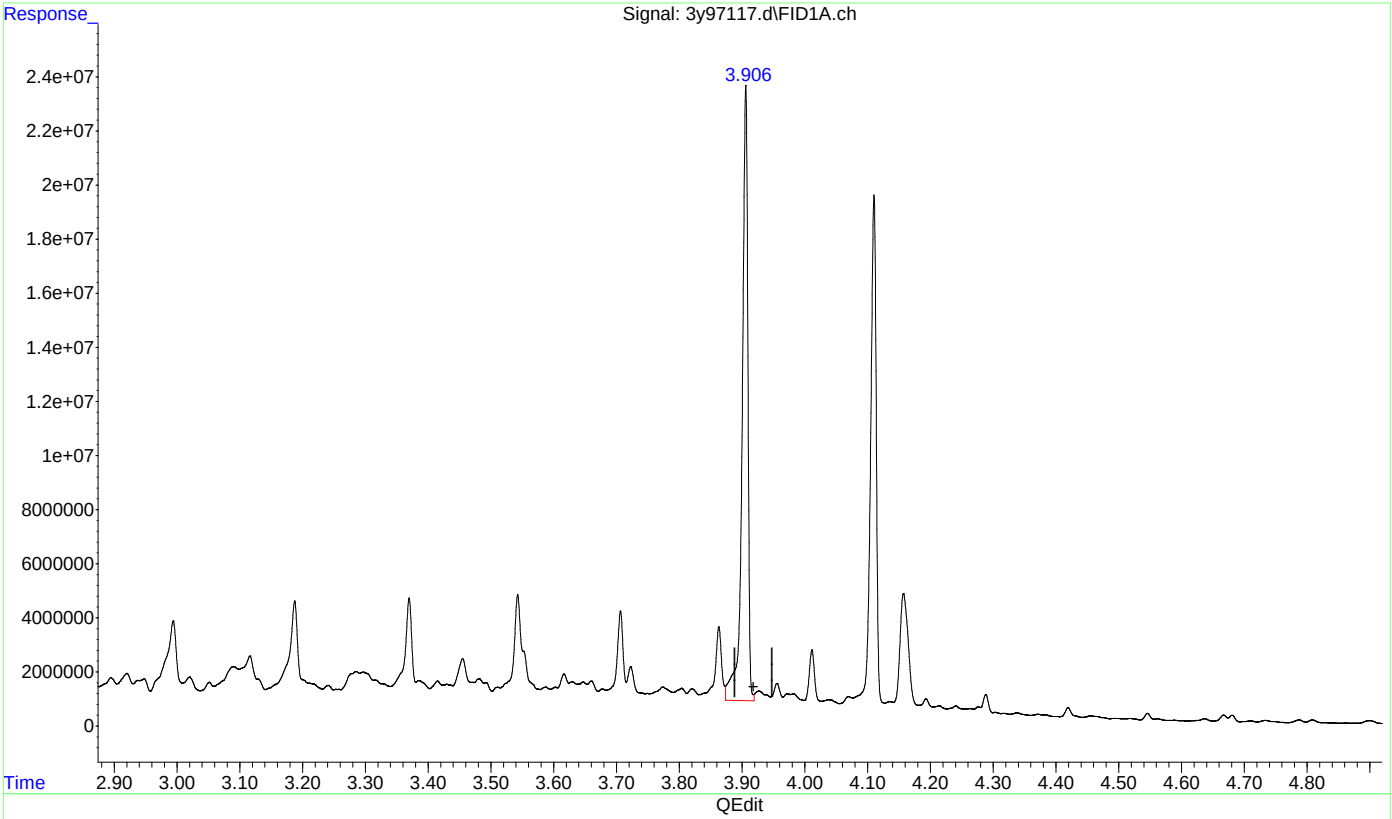
Parameter	CAS	Sig#	R.T. (min.)	Reason
o-Terphenyl	84-15-1	1	3.91	Poorly defined baseline
5a-Androstane	438-22-2	1	4.11	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97117.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 2:30 am
Operator : rebeccak
Sample : op68257-bsd2
Misc : op68257,g3y3747,50.8,,,2,1
ALS Vial : 31 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:06:10 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.906min 3.209 PPM

response 144718298

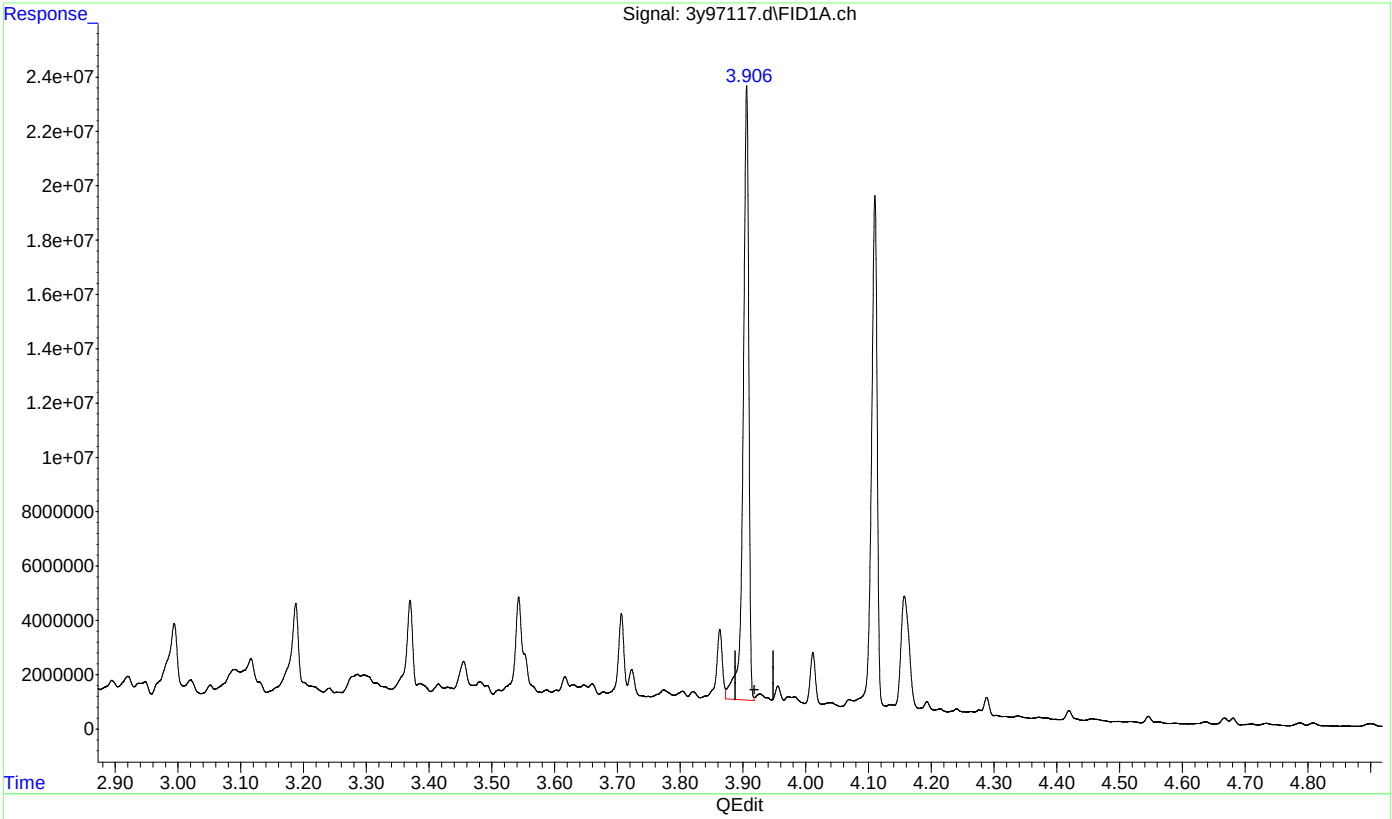
(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 17:18:02 2025

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97117.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 2:30 am
Operator : rebeccak
Sample : op68257-bsd2
Misc : op68257,g3y3747,50.8,,,2,1
ALS Vial : 31 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:06:10 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.906min 3.132 PPM m

response 141242188

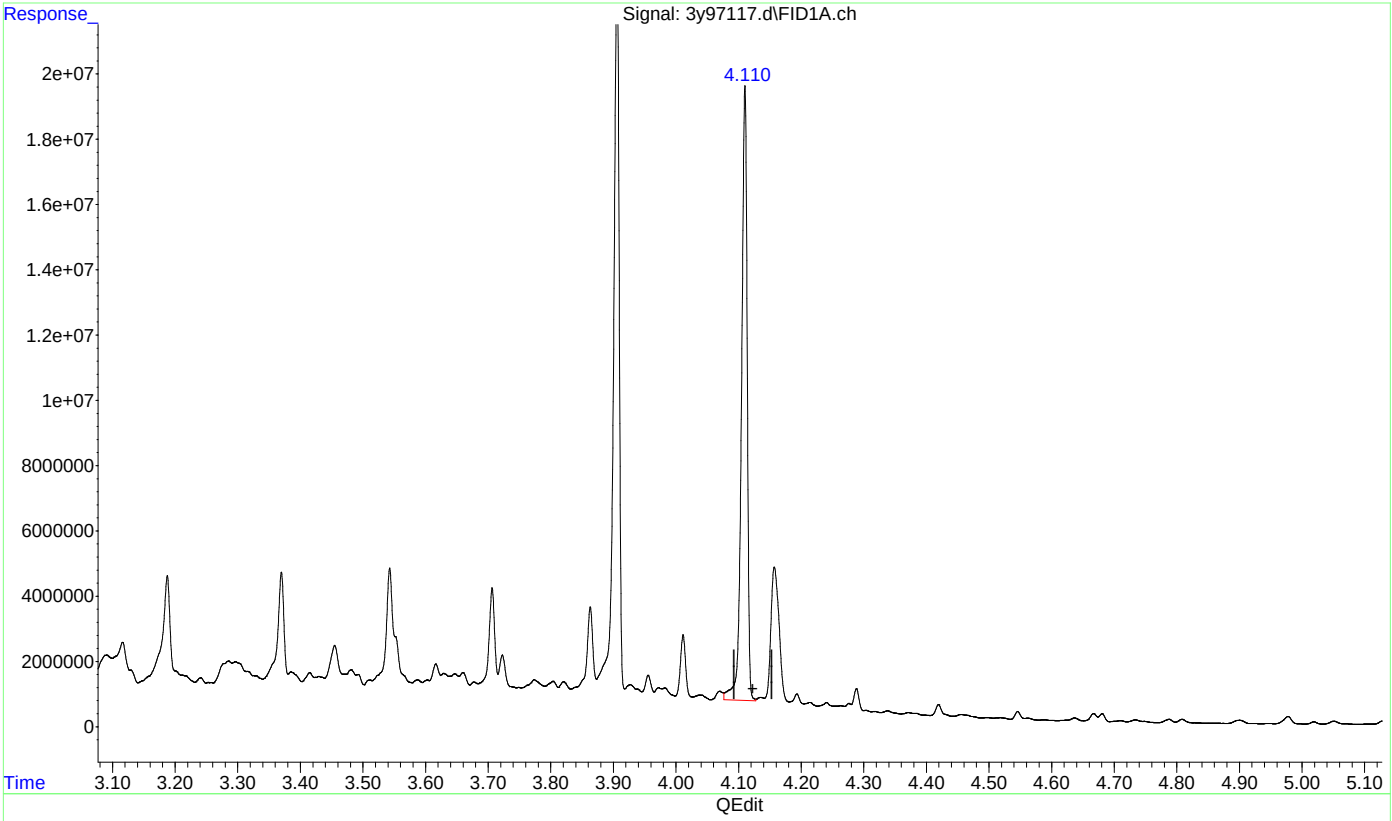
(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 17:18:22 2025

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97117.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 2:30 am
Operator : rebeccak
Sample : op68257-bsd2
Misc : op68257,g3y3747,50.8,,,2,1
ALS Vial : 31 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:06:10 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.110min 3.013 PPM

response 119493137

13.3.4.4 13

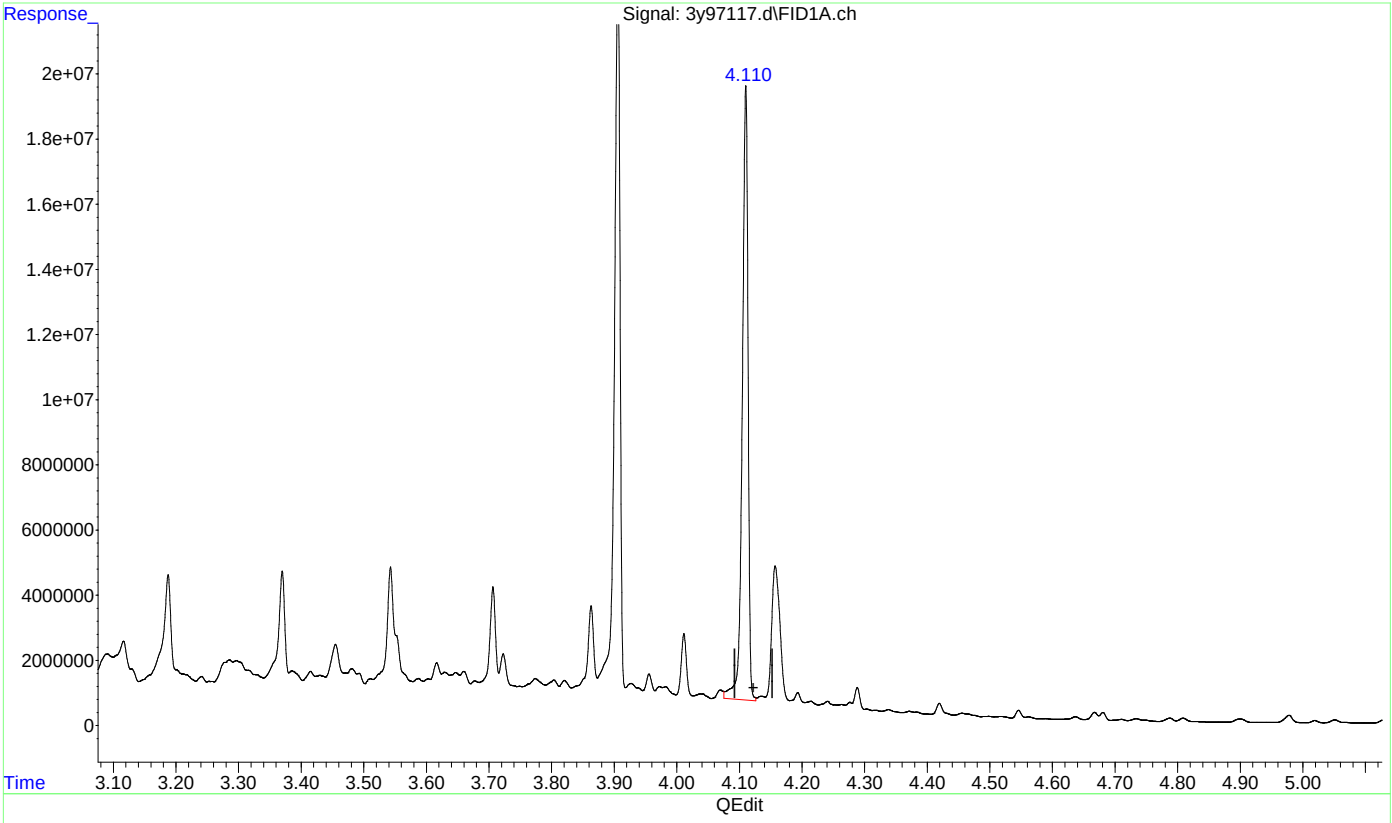
(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 17:18:26 2025

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97117.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 2:30 am
Operator : rebeccak
Sample : op68257-bsd2
Misc : op68257,g3y3747,50.8,,,2,1
ALS Vial : 31 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:06:10 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.110min 3.028 PPM m

response 120094509

(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 17:18:42 2025

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97022.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 9:41 am
Operator : claudiab
Sample : ic3745-2
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 132 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:04:32 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
Target Compounds			
1) H TPH-DRO	3.600	69196013	0.668 PPM

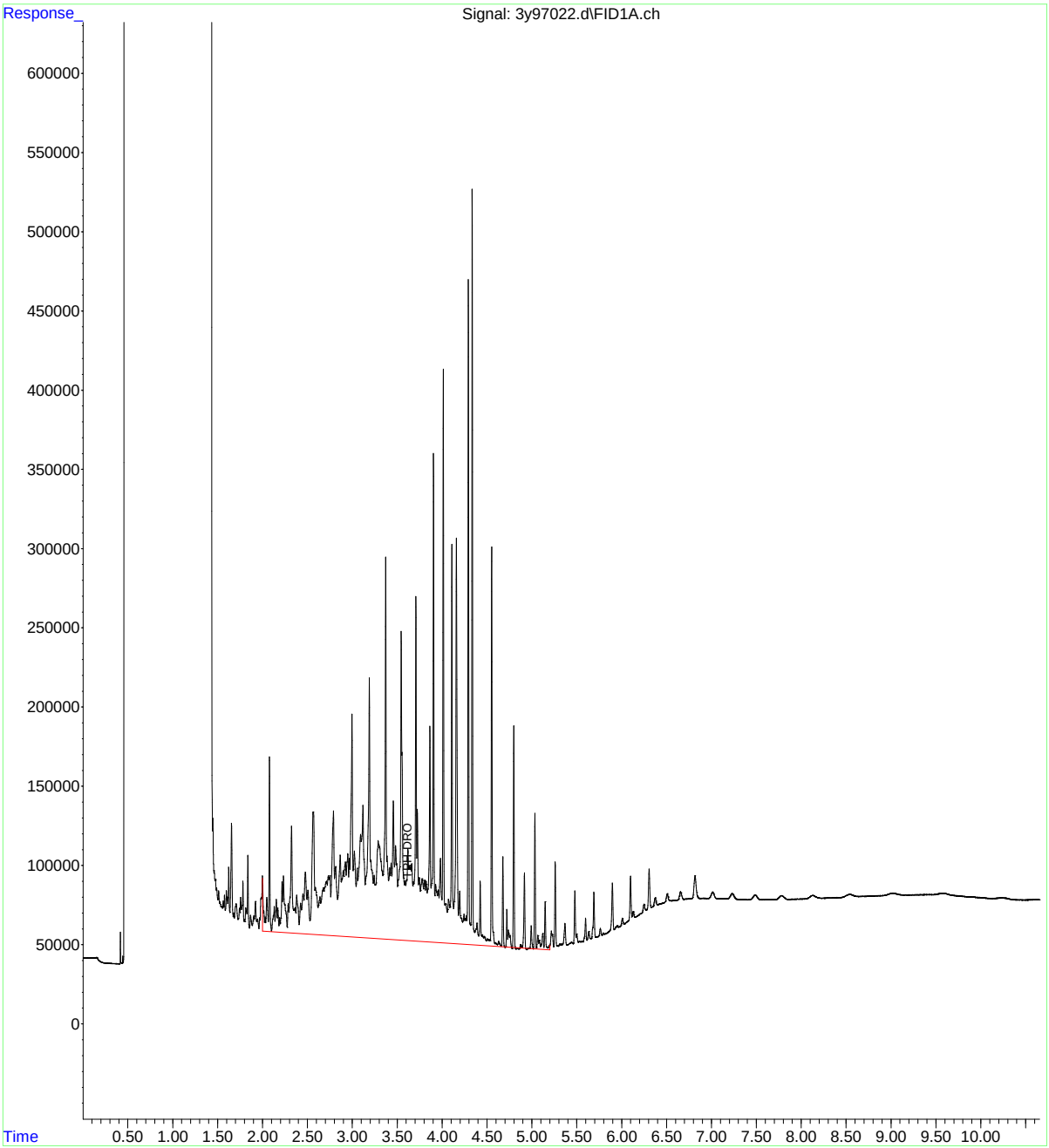
(f)=RT Delta > 1/2 Window (m)=manual int.

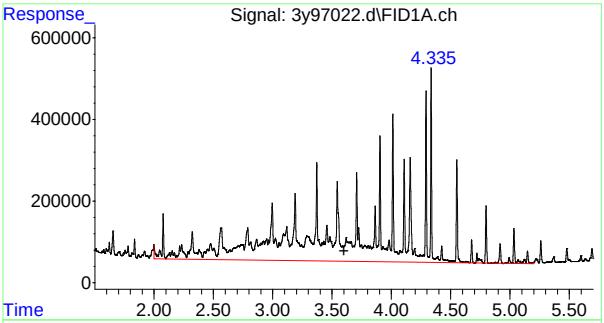
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97022.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 9:41 am
Operator : claudiab
Sample : ic3745-2
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 132 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:04:32 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

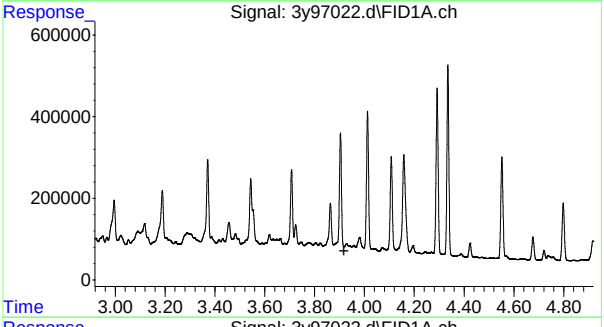
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





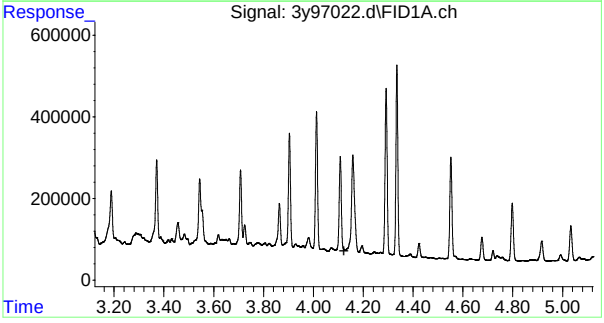
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 69196013
Conc: 0.67 PPM



#6 o-TERPHENYL

R.T.: 0.000 min
Exp R.T. : 3.918 min
Response: 0
Conc: N.D.



#7 5a-ANDROSTANE

R.T.: 0.000 min
Exp R.T. : 4.123 min
Response: 0
Conc: N.D.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97023.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 10:01 am
Operator : claudiab
Sample : ic3745-4
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 133 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:04:15 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
6) S o-TERPHENYL	3.904	3236715	0.046 PPM
Spiked Amount 50.000		Recovery =	0.09%
7) S 5a-ANDROSTANE	4.108	2815059	0.044 PPM
Spiked Amount 50.000		Recovery =	0.09%
Target Compounds			
1) H TPH-DRO	3.600	133156978	1.960 PPM

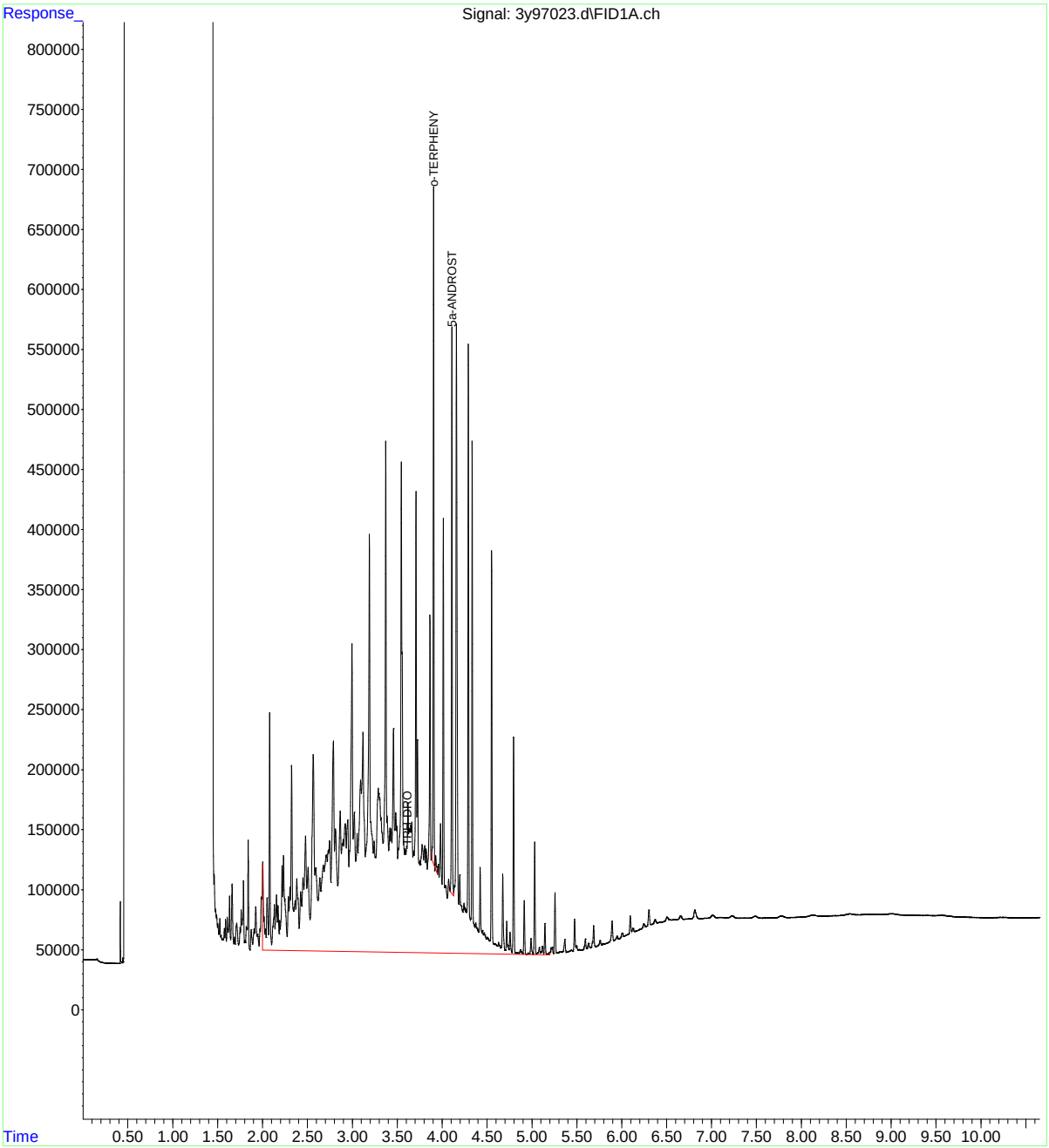
(f)=RT Delta > 1/2 Window (m)=manual int.

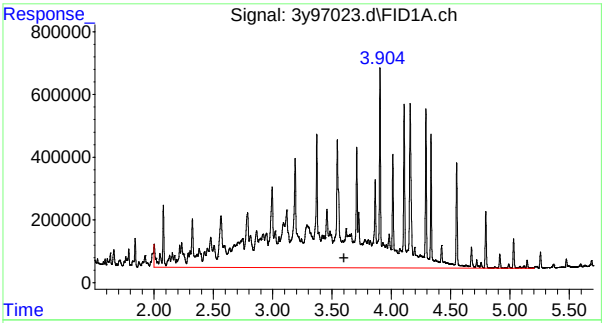
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97023.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 10:01 am
Operator : claudiab
Sample : ic3745-4
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 133 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:04:15 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

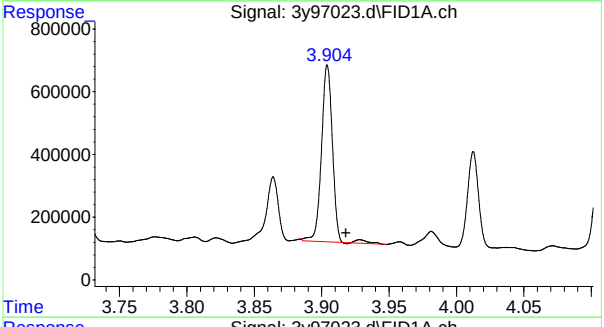
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





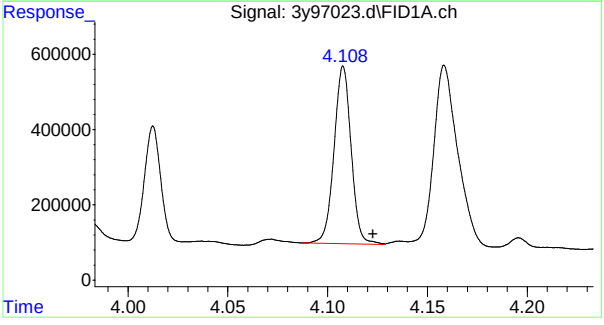
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 133156978
Conc: 1.96 PPM



#6 o-TERPHENYL

R.T.: 3.904 min
Delta R.T.: -0.013 min
Response: 3236715
Conc: 0.05 PPM



#7 5a-ANDROSTANE

R.T.: 4.108 min
Delta R.T.: -0.015 min
Response: 2815059
Conc: 0.04 PPM

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97024.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 10:20 am
Operator : claudiab
Sample : ic3745-10
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 134 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:03:59 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
6) S o-TERPHENYL	3.904	9199901	0.130 PPM
Spiked Amount 50.000		Recovery =	0.26%
7) S 5a-ANDROSTANE	4.107f	8190109	0.127 PPM
Spiked Amount 50.000		Recovery =	0.25%
Target Compounds			
1) H TPH-DRO	3.600	327407314	5.888 PPM

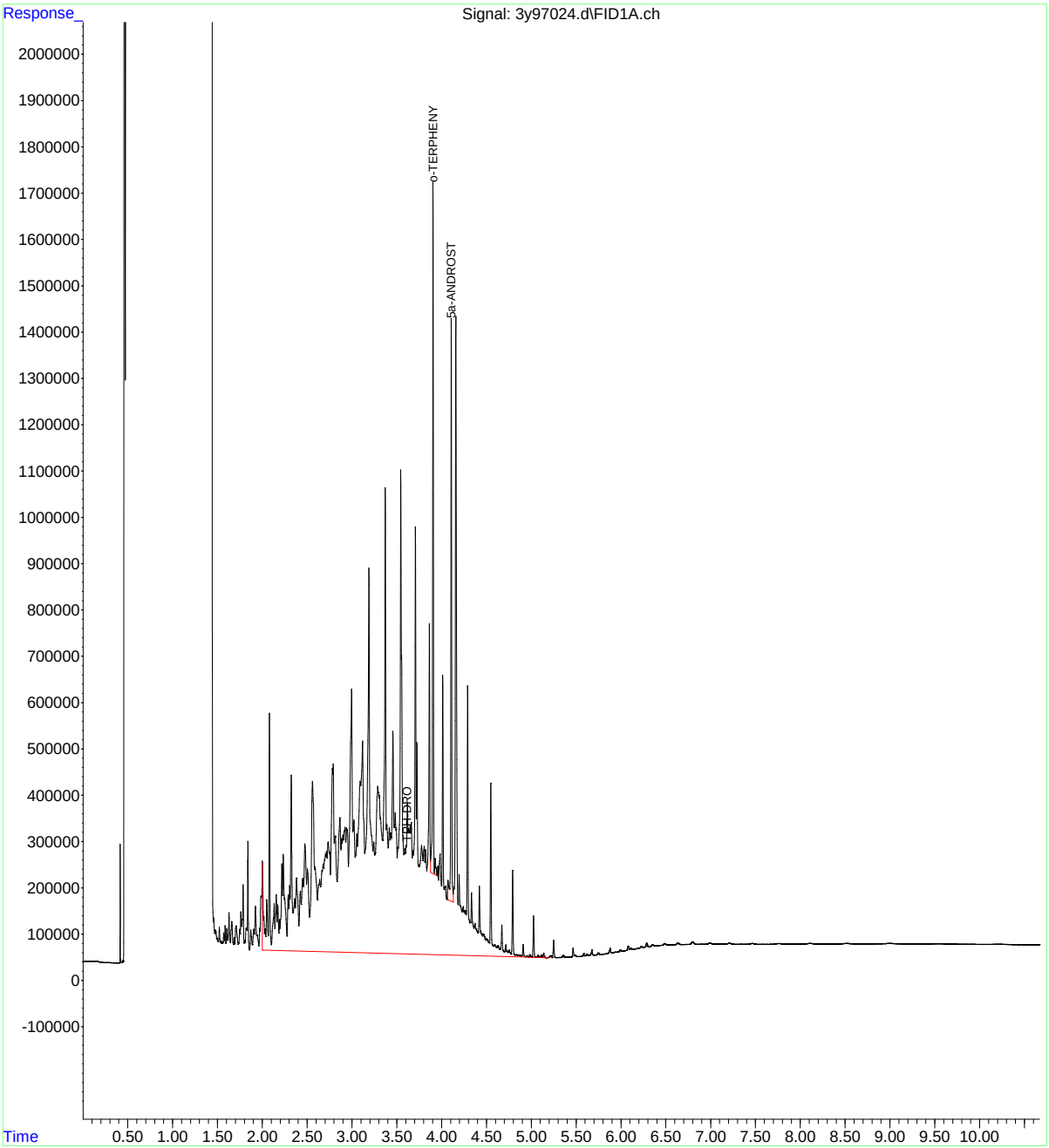
(f)=RT Delta > 1/2 Window (m)=manual int.

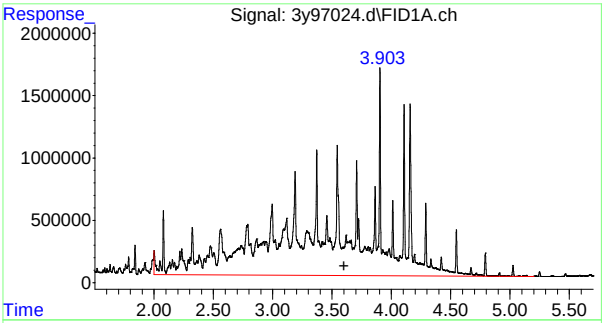
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97024.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 10:20 am
Operator : claudiab
Sample : ic3745-10
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 134 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:03:59 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

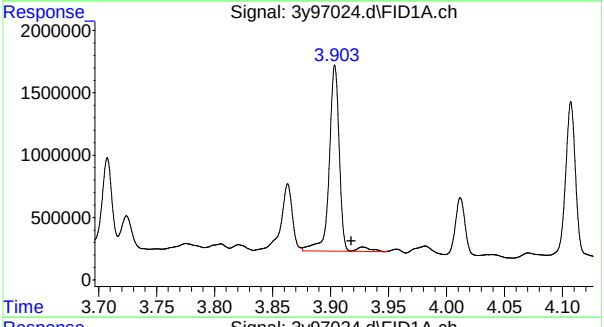
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





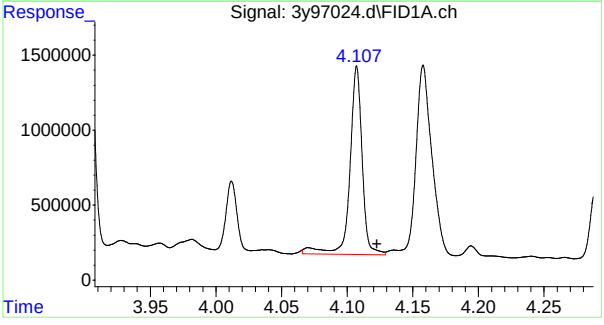
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 327407314
Conc: 5.89 PPM



#6 o-TERPHENYL

R.T.: 3.904 min
Delta R.T.: -0.014 min
Response: 9199901
Conc: 0.13 PPM



#7 5a-ANDROSTANE

R.T.: 4.107 min
Delta R.T.: -0.015 min
Response: 8190109
Conc: 0.13 PPM

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97025.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 10:40 am
Operator : claudiab
Sample : ic3745-20
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 135 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:00:31 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
6) S	o-TERPHENYL	3.906	17405115	0.246 PPM
Spiked Amount	50.000		Recovery =	0.49%
7) S	5a-ANDROSTANE	4.109	14649715	0.227 PPM
Spiked Amount	50.000		Recovery =	0.45%
	Target Compounds			
1) H	TPH-DRO	3.600	652639623	12.465 PPM

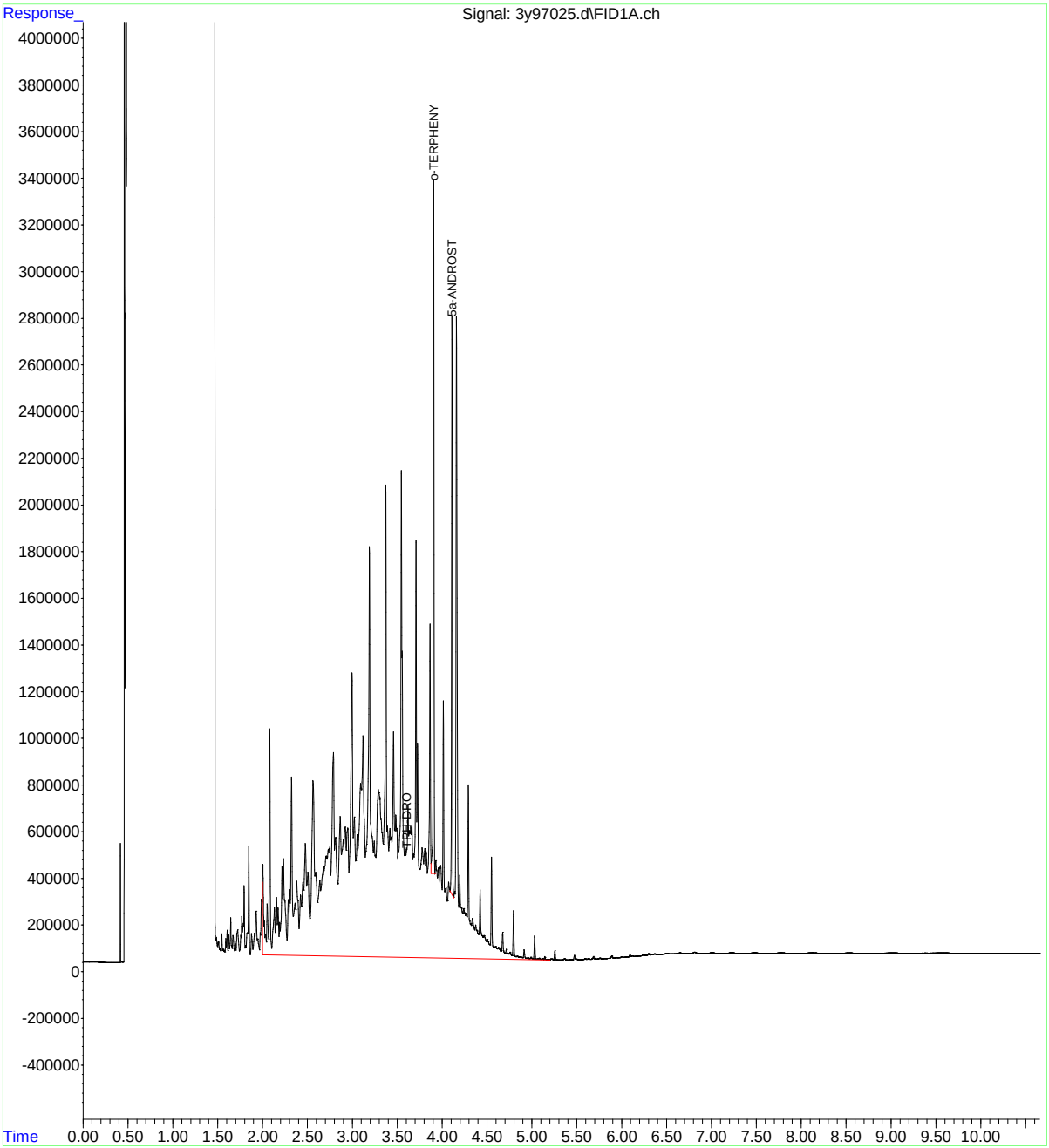
(f)=RT Delta > 1/2 Window (m)=manual int.

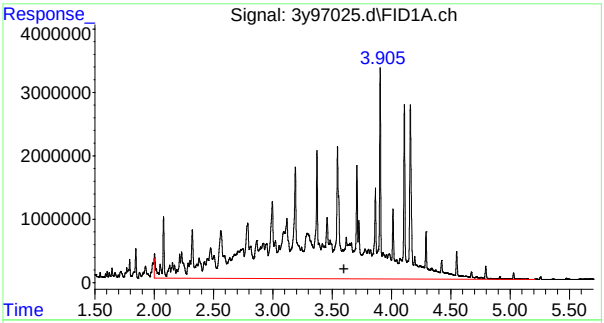
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97025.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 10:40 am
Operator : claudiab
Sample : ic3745-20
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 135 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:00:31 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

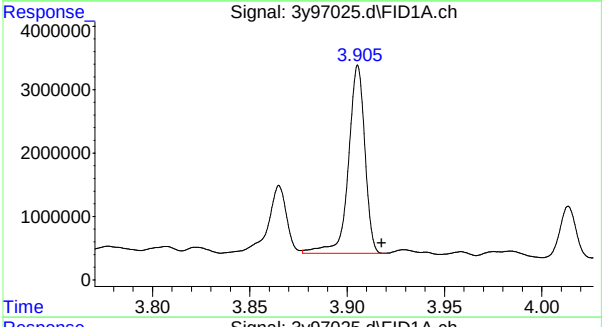
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





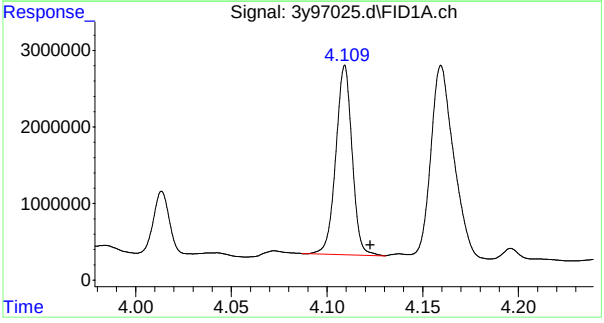
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 652639623
Conc: 12.47 PPM



#6 o-TERPHENYL

R.T.: 3.906 min
Delta R.T.: -0.012 min
Response: 17405115
Conc: 0.25 PPM



#7 5a-ANDROSTANE

R.T.: 4.109 min
Delta R.T.: -0.013 min
Response: 14649715
Conc: 0.23 PPM

Manual Integrations APPROVED (compounds with "m" flag)
Gwendolyn Burns 10/25/25 12:13

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97026.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 11:00 am
Operator : claudiab
Sample : ic3745-40
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 136 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:00:54 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
6) S o-TERPHENYL	3.905	34285624	0.485	PPM	m
Spiked Amount 50.000		Recovery =	0.97%		
7) S 5a-ANDROSTANE	4.110	31004308	0.481	PPM	
Spiked Amount 50.000		Recovery =	0.96%		
Target Compounds					
1) H TPH-DRO	3.600	1292790640	25.420	PPM	

(f)=RT Delta > 1/2 Window (m)=manual int.

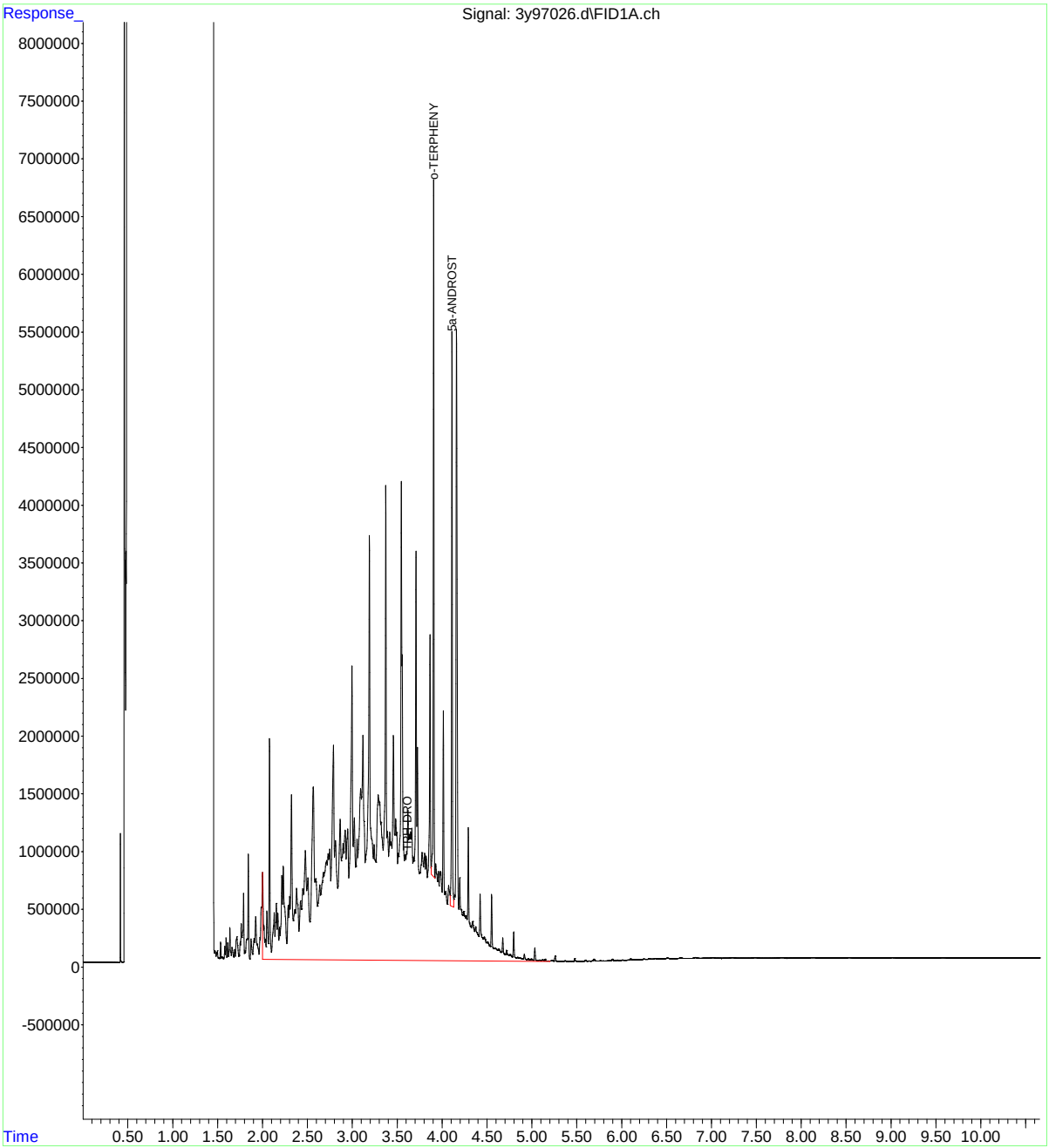
13.4.5
13

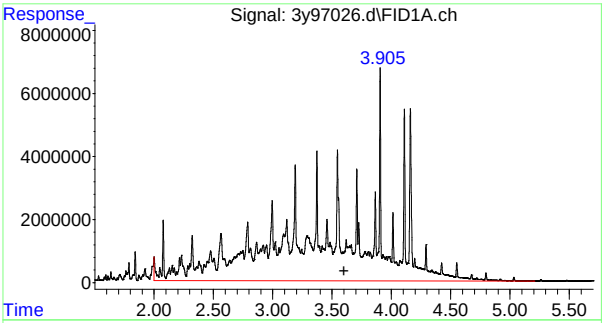
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97026.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 11:00 am
Operator : claudiab
Sample : ic3745-40
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 136 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:00:54 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

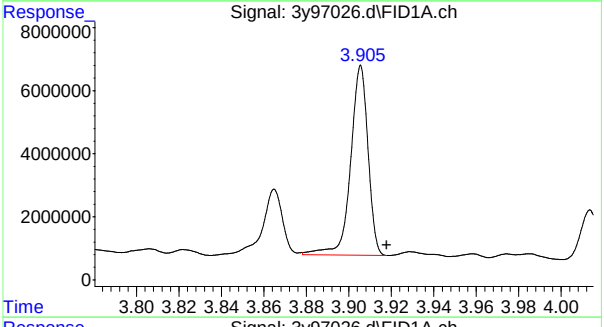
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





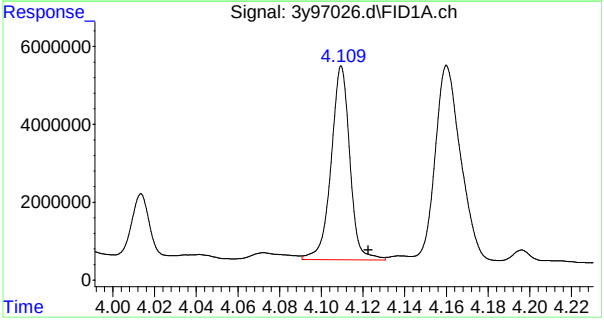
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 1292790640
Conc: 25.42 PPM



#6 o-TERPHENYL

R.T.: 3.905 min
Delta R.T.: -0.012 min
Response: 34285624
Conc: 0.49 PPM m



#7 5a-ANDROSTANE

R.T.: 4.110 min
Delta R.T.: -0.013 min
Response: 31004308
Conc: 0.48 PPM

Manual Integration Approval Summary

Sample Number:	G3Y3745-ICC3745	**Method:**	SW846 8015D
Lab FileID:	3Y97026.D	**Analyst approved:**	10/25/25 12:07 Gwendolyn Burns
Injection Time:	10/17/25 11:00	**Supervisor approved:**	10/25/25 12:13 Gwendolyn Burns

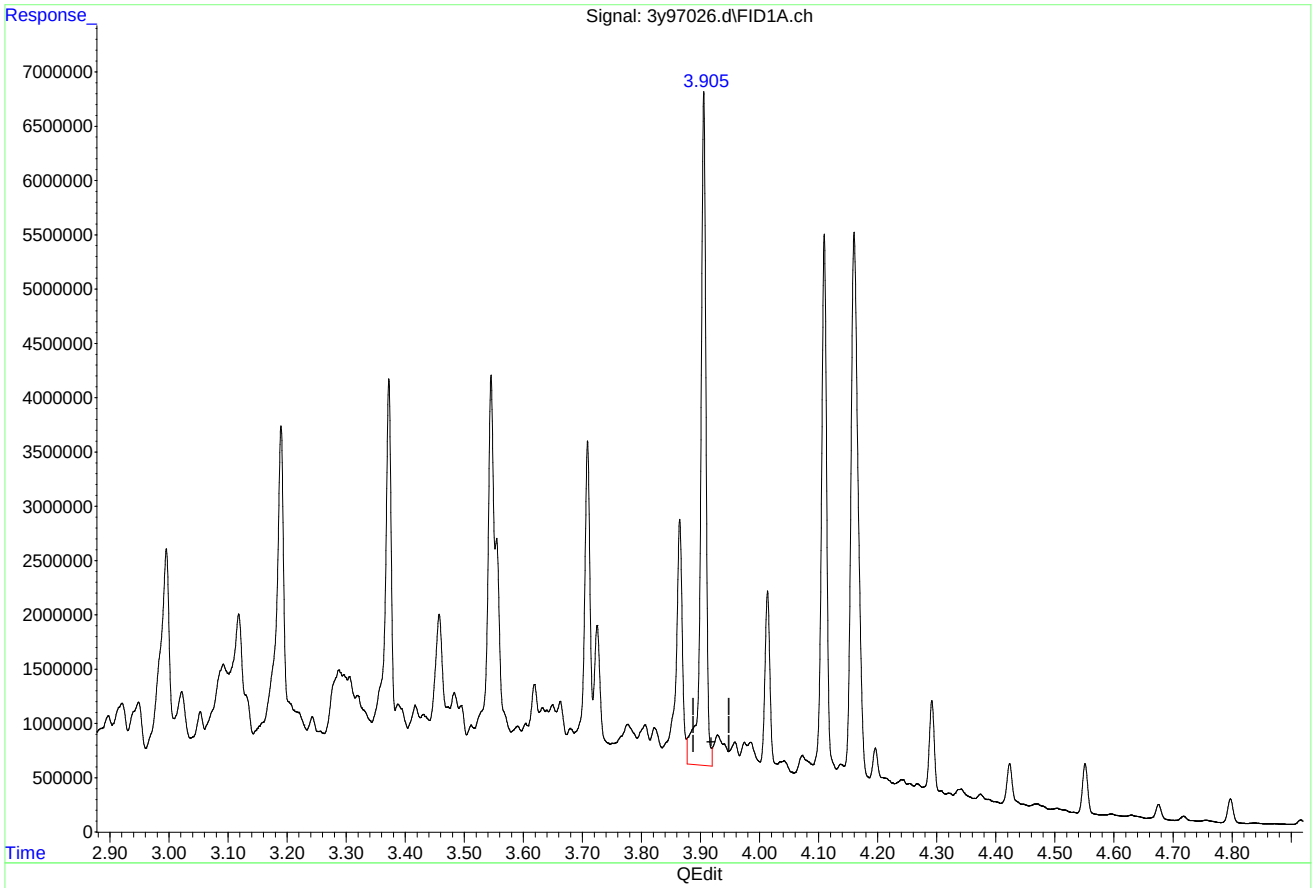
Parameter	CAS	Sig#	R.T. (min.)	Reason
o-Terphenyl	84-15-1	1	3.91	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97026.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 11:00 am
Operator : claudiab
Sample : ic3745-40
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 136 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:00:41 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.906min 0.547 PPM

response 38647313

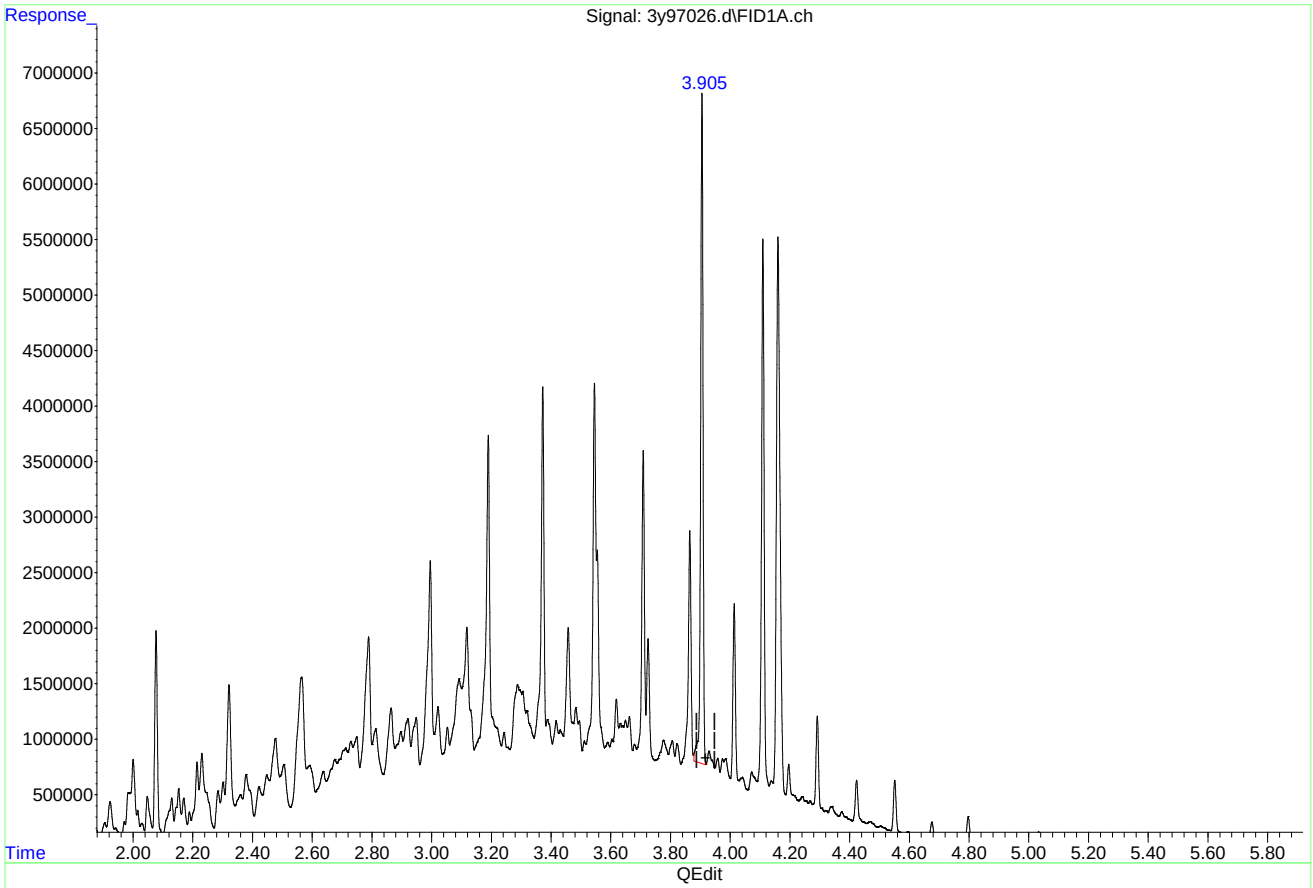
(+) = Expected Retention Time
DROLVI3y3745.M Fri Oct 17 14:00:50 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97026.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 11:00 am
Operator : claudiab
Sample : ic3745-40
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 136 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:00:41 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.905min 0.485 PPM m

response 34285624

(+) = Expected Retention Time
DROLVI3y3745.M Fri Oct 17 14:00:56 2025

Manual Integrations APPROVED (compounds with "m" flag)
Gwendolyn Burns 10/25/25 12:13

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97027.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 11:20 am
Operator : claudiab
Sample : ic3745-100
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 137 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:01:25 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
6) S o-TERPHENYL	3.907	92323723	1.307	PPM	m
Spiked Amount 50.000		Recovery = 2.61%			
7) S 5a-ANDROSTANE	4.112	82527841	1.280	PPM	m
Spiked Amount 50.000		Recovery = 2.56%			
Target Compounds					
1) H TPH-DRO	3.600	3389808656	67.936	PPM	

(f)=RT Delta > 1/2 Window (m)=manual int.

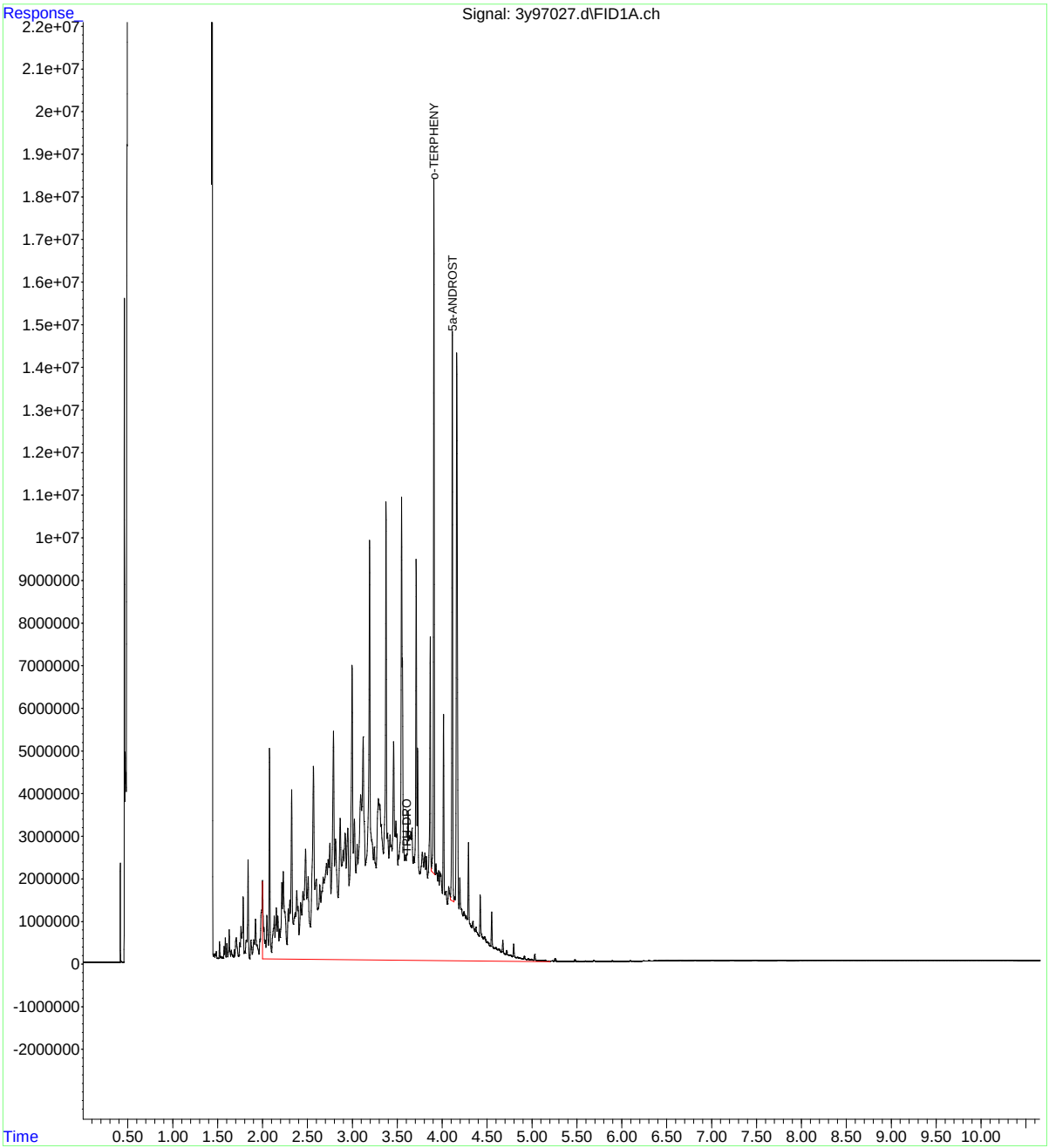
13.4.6
13

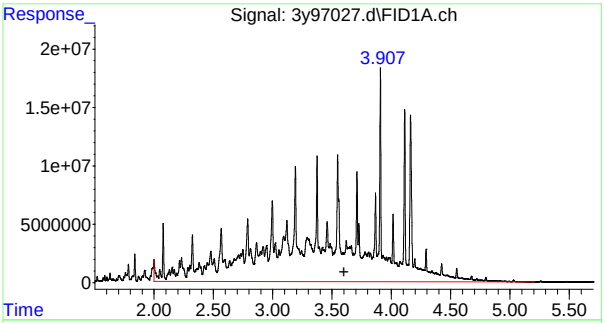
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97027.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 11:20 am
Operator : claudiab
Sample : ic3745-100
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 137 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:01:25 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

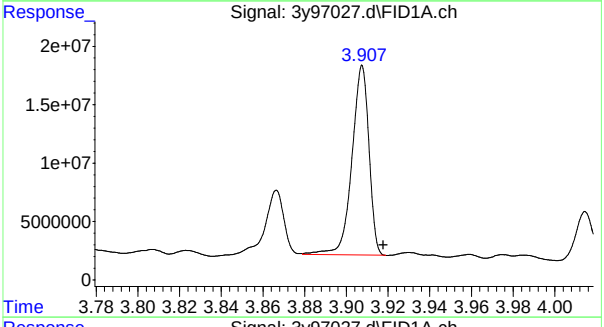
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





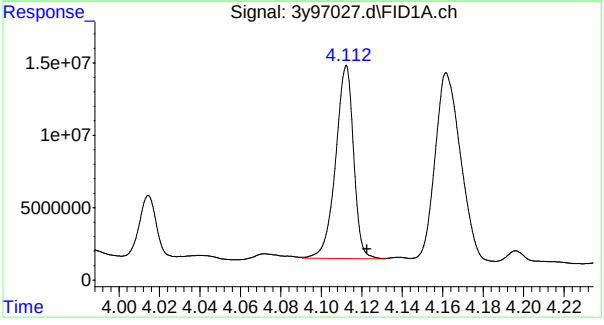
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 3389808656
Conc: 67.94 PPM



#6 o-TERPHENYL

R.T.: 3.907 min
Delta R.T.: -0.010 min
Response: 92323723
Conc: 1.31 PPM m



#7 5a-ANDROSTANE

R.T.: 4.112 min
Delta R.T.: -0.010 min
Response: 82527841
Conc: 1.28 PPM m

Manual Integration Approval Summary

Sample Number: G3Y3745-IC3745
Lab FileID: 3Y97027.D
Injection Time: 10/17/25 11:20
Method: SW846 8015D
Analyst approved: 10/18/25 23:12 Rebecca Krug
Supervisor approved: 10/25/25 12:13 Gwendolyn Burns

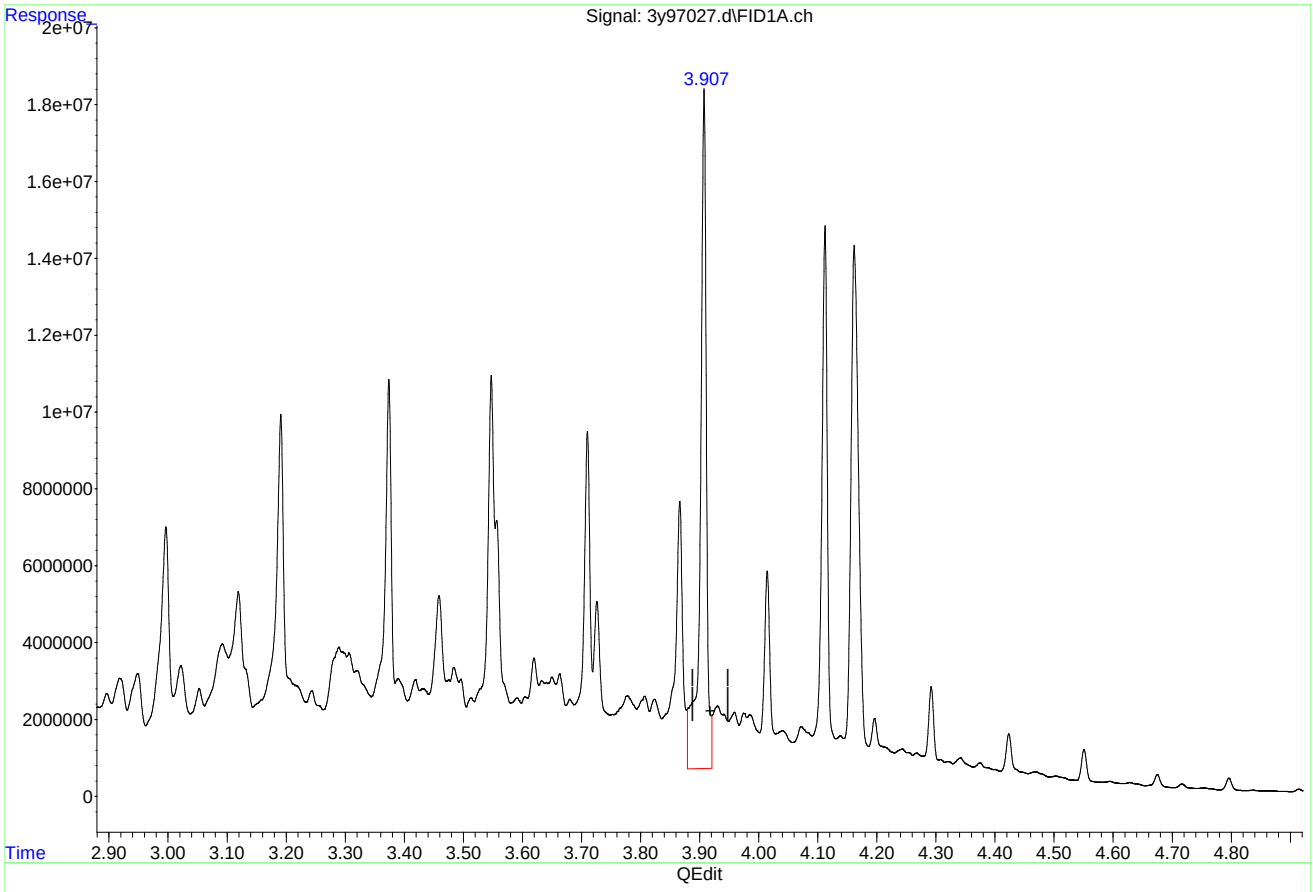
Parameter	CAS	Sig#	R.T. (min.)	Reason
o-Terphenyl	84-15-1	1	3.91	Poorly defined baseline
5a-Androstane	438-22-2	1	4.11	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97027.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 11:20 am
Operator : claudiab
Sample : ic3745-100
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 137 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:01:08 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.908min 1.811 PPM

response 127897560

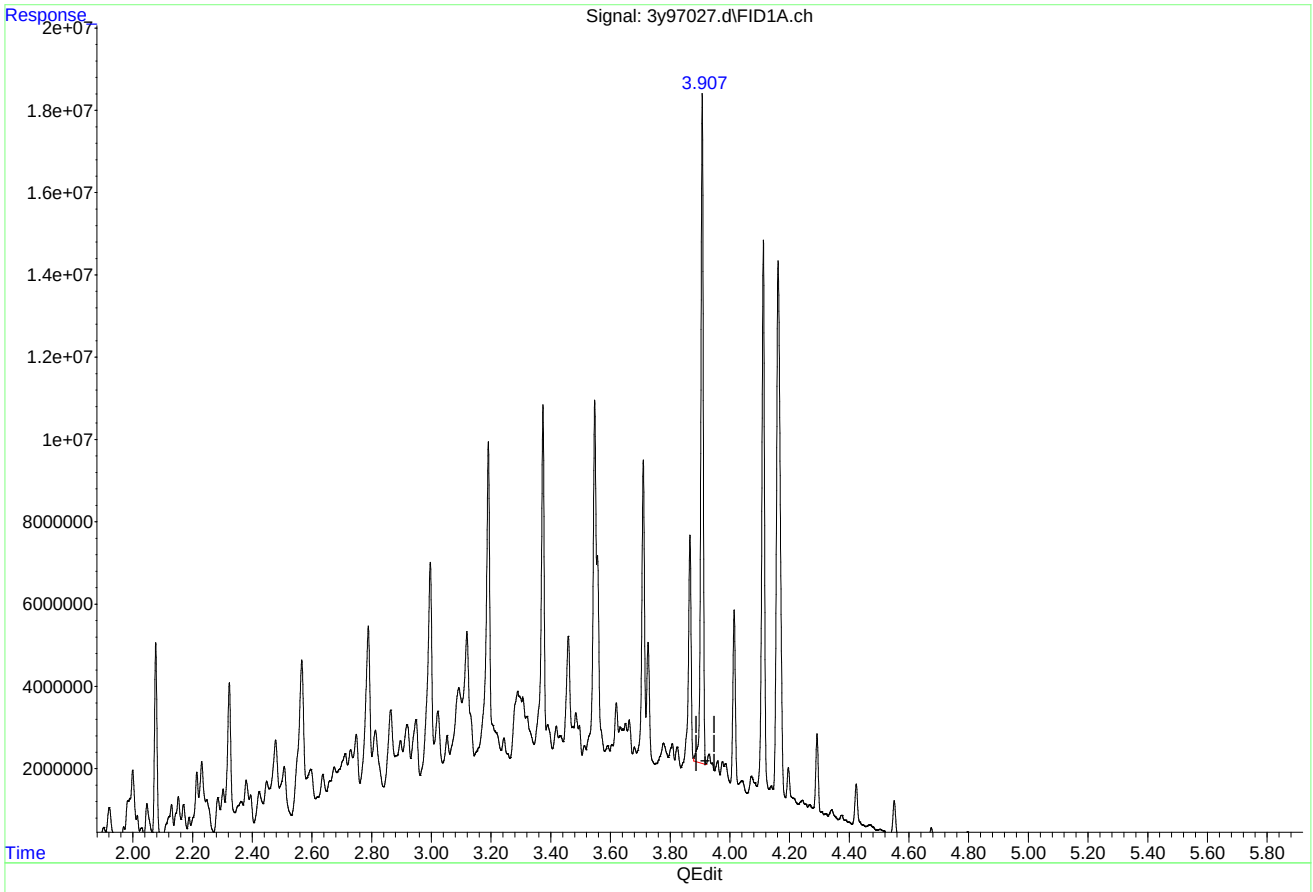
(+) = Expected Retention Time
DROLVI3y3745.M Fri Oct 17 14:01:16 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97027.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 11:20 am
Operator : claudiab
Sample : ic3745-100
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 137 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:01:08 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.907min 1.307 PPM m

response 92323723

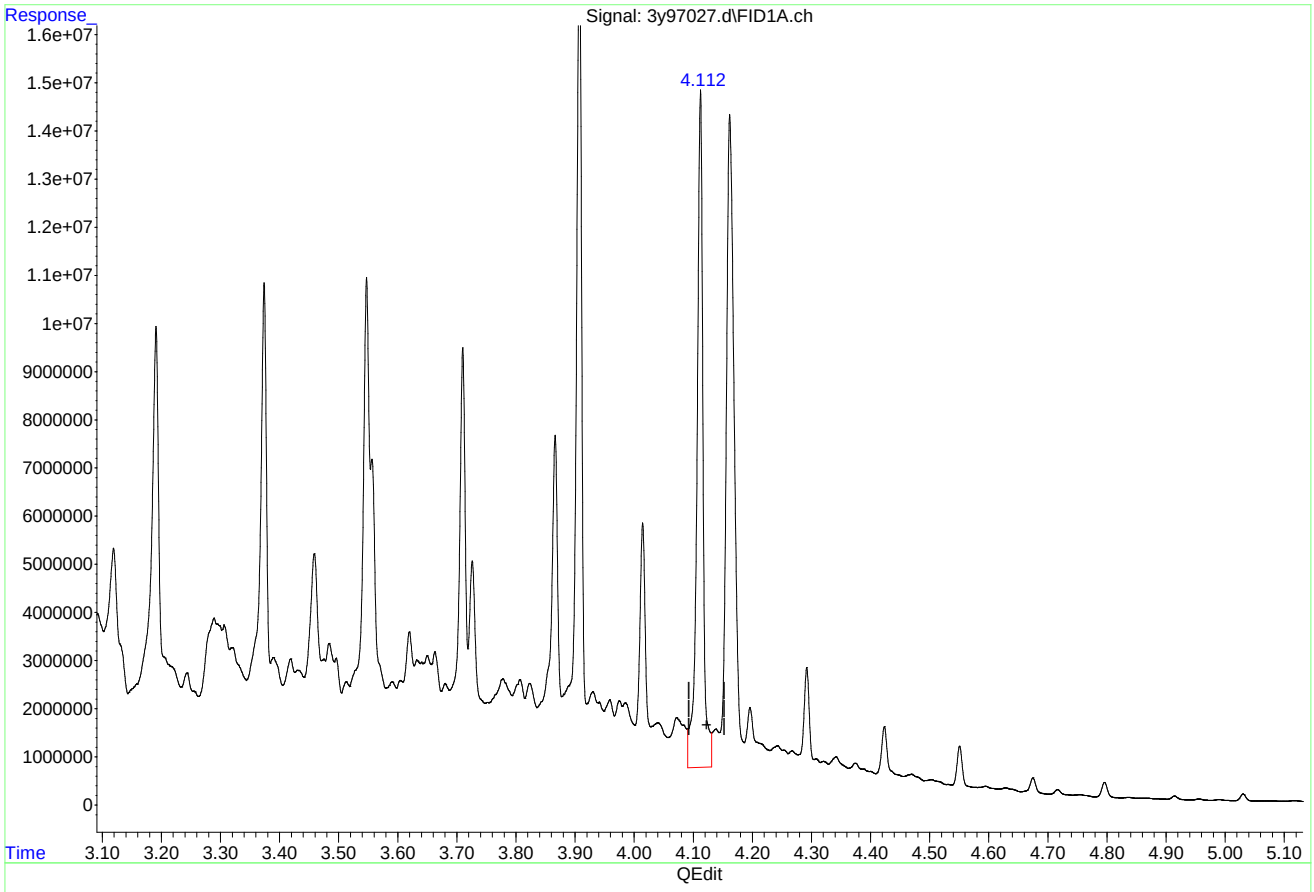
(+) = Expected Retention Time
DROLVI3y3745.M Fri Oct 17 14:01:20 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97027.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 11:20 am
Operator : claudiab
Sample : ic3745-100
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 137 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:01:08 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.112min 1.546 PPM

response 99694553

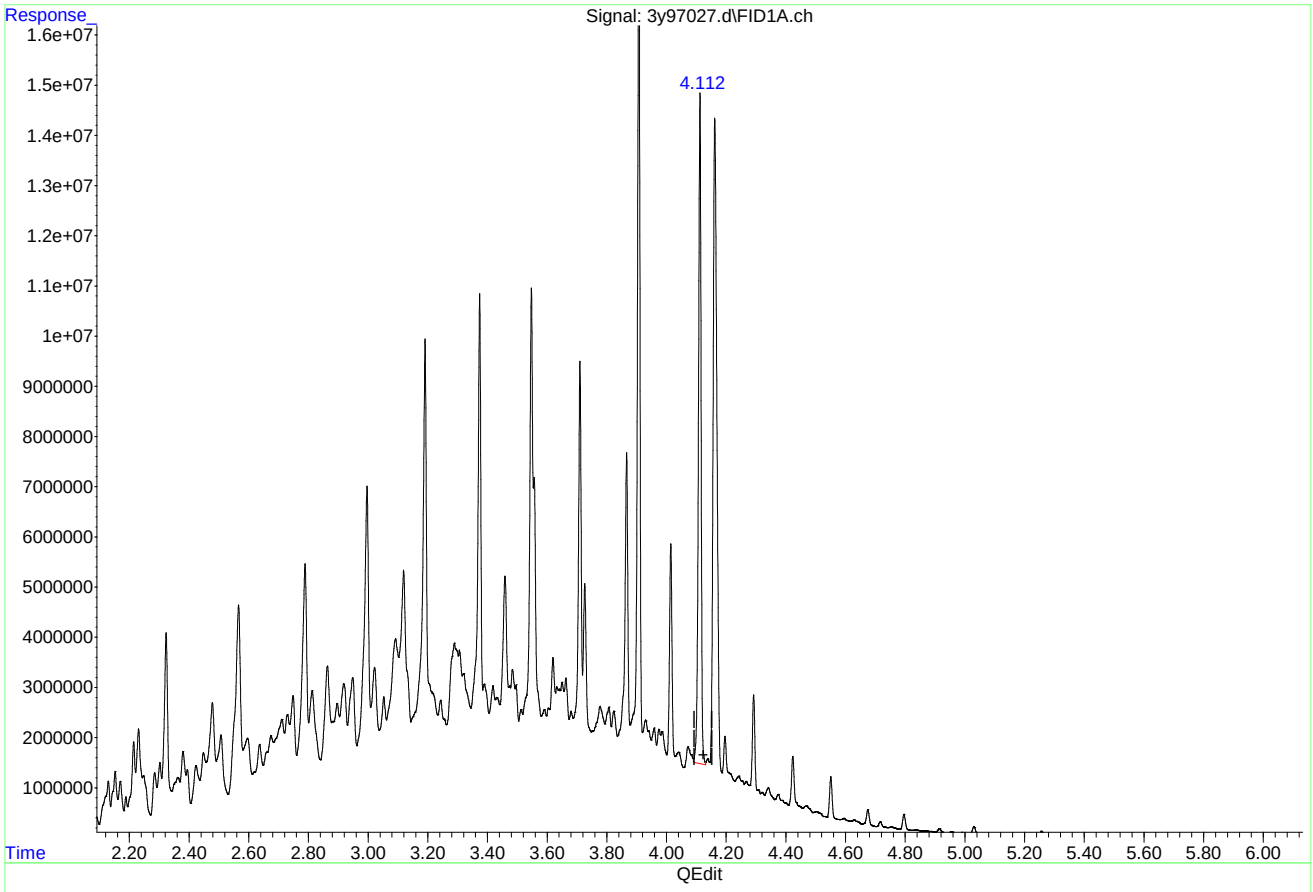
(+) = Expected Retention Time
DROLVI3y3745.M Fri Oct 17 14:01:23 2025 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97027.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 11:20 am
Operator : claudiab
Sample : ic3745-100
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 137 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:01:08 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.112min 1.280 PPM m

response 82527841

(+) = Expected Retention Time
DROLVI3y3745.M Fri Oct 17 14:01:27 2025

3Y97028.D

Manual Integrations APPROVED (compounds with "m" flag)

Gwendolyn Burns 10/25/25 12:13

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97028.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 11:40 am
Operator : claudiab
Sample : ic3745-200
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 138 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:01:54 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
6) S o-TERPHENYL	3.913	206356929	2.922	PPM	m
Spiked Amount 50.000		Recovery = 5.84%			
7) S 5a-ANDROSTANE	4.118	180618165	2.802	PPM	m
Spiked Amount 50.000		Recovery = 5.60%			
Target Compounds					
1) H TPH-DRO	3.600	7239306246	146.292	PPM	

(f)=RT Delta > 1/2 Window (m)=manual int.

13.4.7

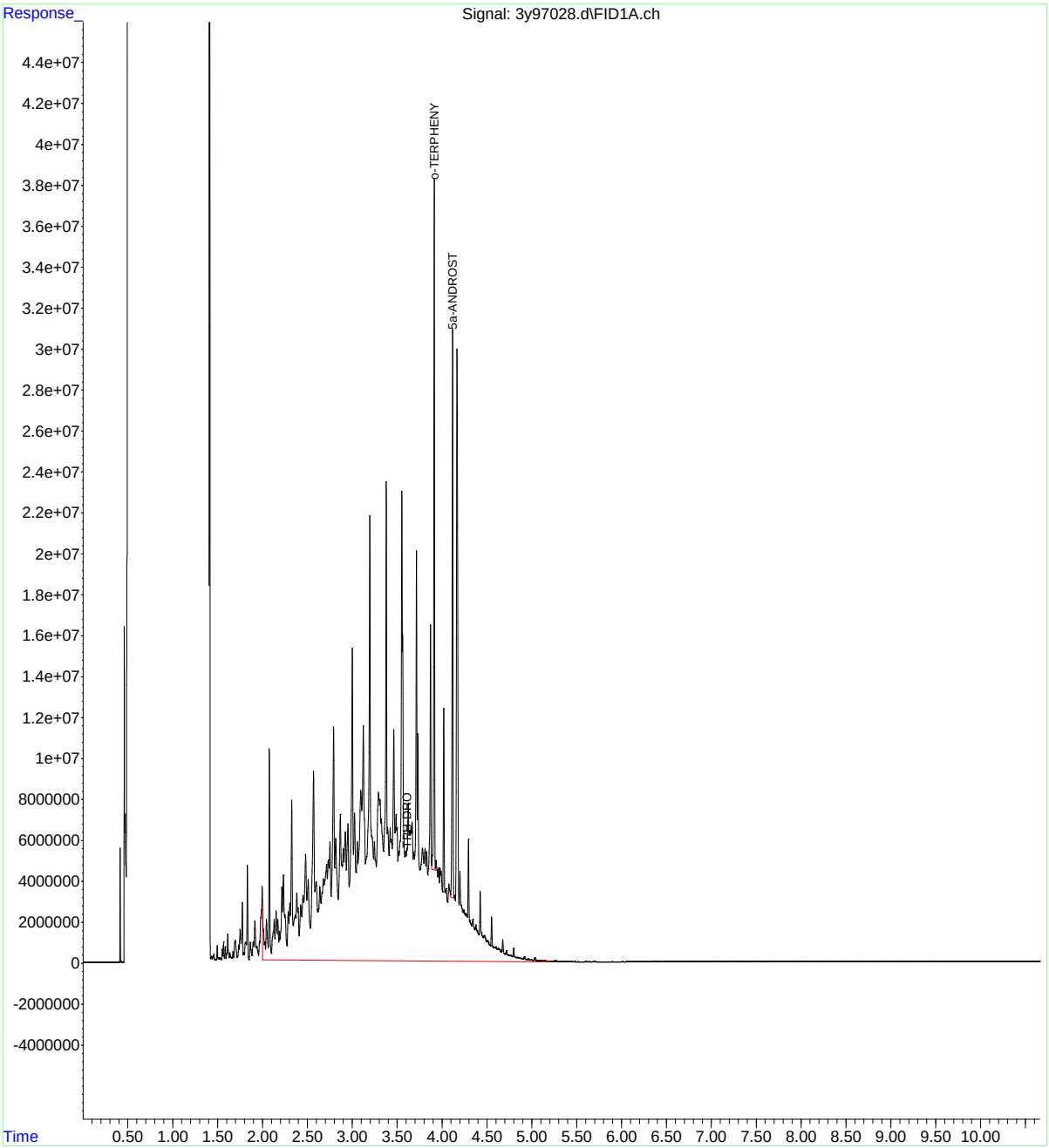
13

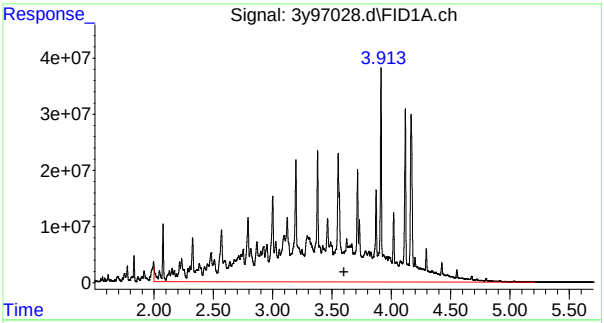
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97028.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 11:40 am
Operator : claudiab
Sample : ic3745-200
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 138 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:01:54 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

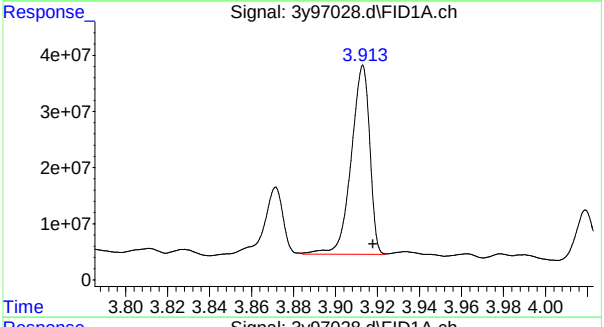
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





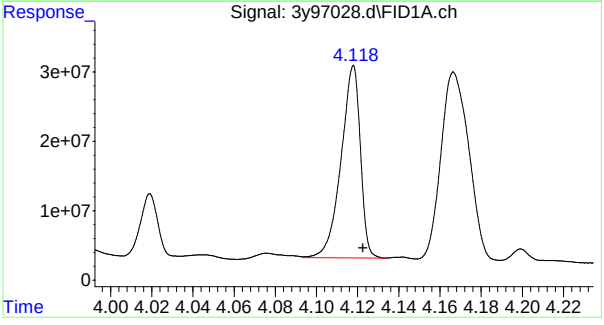
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 7239306246
Conc: 146.29 PPM



#6 o-TERPHENYL

R.T.: 3.913 min
Delta R.T.: -0.005 min
Response: 206356929
Conc: 2.92 PPM m



#7 5a-ANDROSTANE

R.T.: 4.118 min
Delta R.T.: -0.005 min
Response: 180618165
Conc: 2.80 PPM m

Manual Integration Approval Summary

Sample Number: G3Y3745-IC3745
Lab FileID: 3Y97028.D
Injection Time: 10/17/25 11:40
Method: SW846 8015D
Analyst approved: 10/18/25 23:12 Rebecca Krug
Supervisor approved: 10/25/25 12:13 Gwendolyn Burns

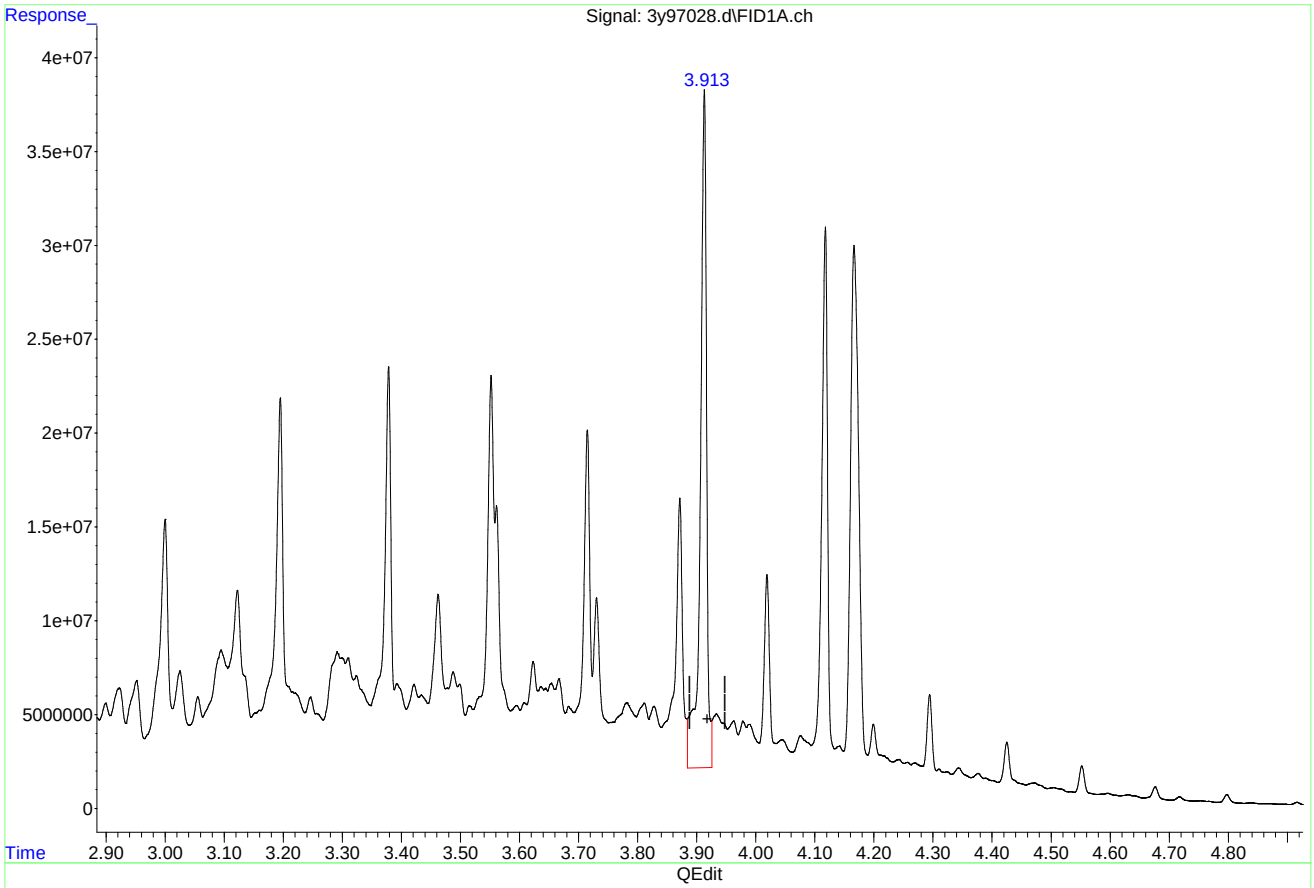
Parameter	CAS	Sig#	R.T. (min.)	Reason
o-Terphenyl	84-15-1	1	3.91	Poorly defined baseline
5a-Androstane	438-22-2	1	4.12	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97028.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 11:40 am
Operator : claudiab
Sample : ic3745-200
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 138 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:01:38 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.913min 3.774 PPM

response 266590751

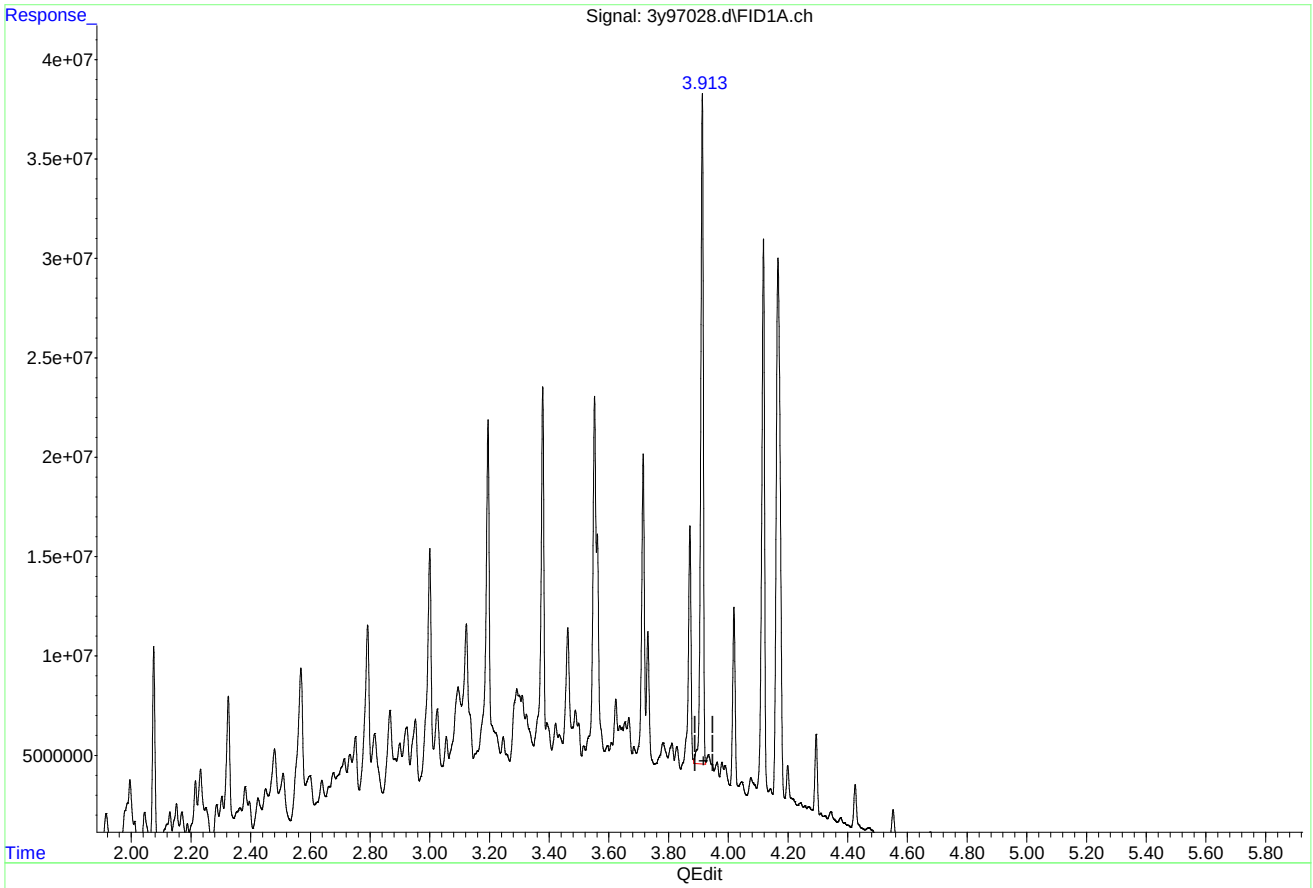
(+) = Expected Retention Time
DROLVI3y3745.M Fri Oct 17 14:01:45 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97028.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 11:40 am
Operator : claudiab
Sample : ic3745-200
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 138 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:01:38 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.913min 2.922 PPM m

response 206356929

(+) = Expected Retention Time
DROLVI3y3745.M Fri Oct 17 14:01:49 2025 Page: 1

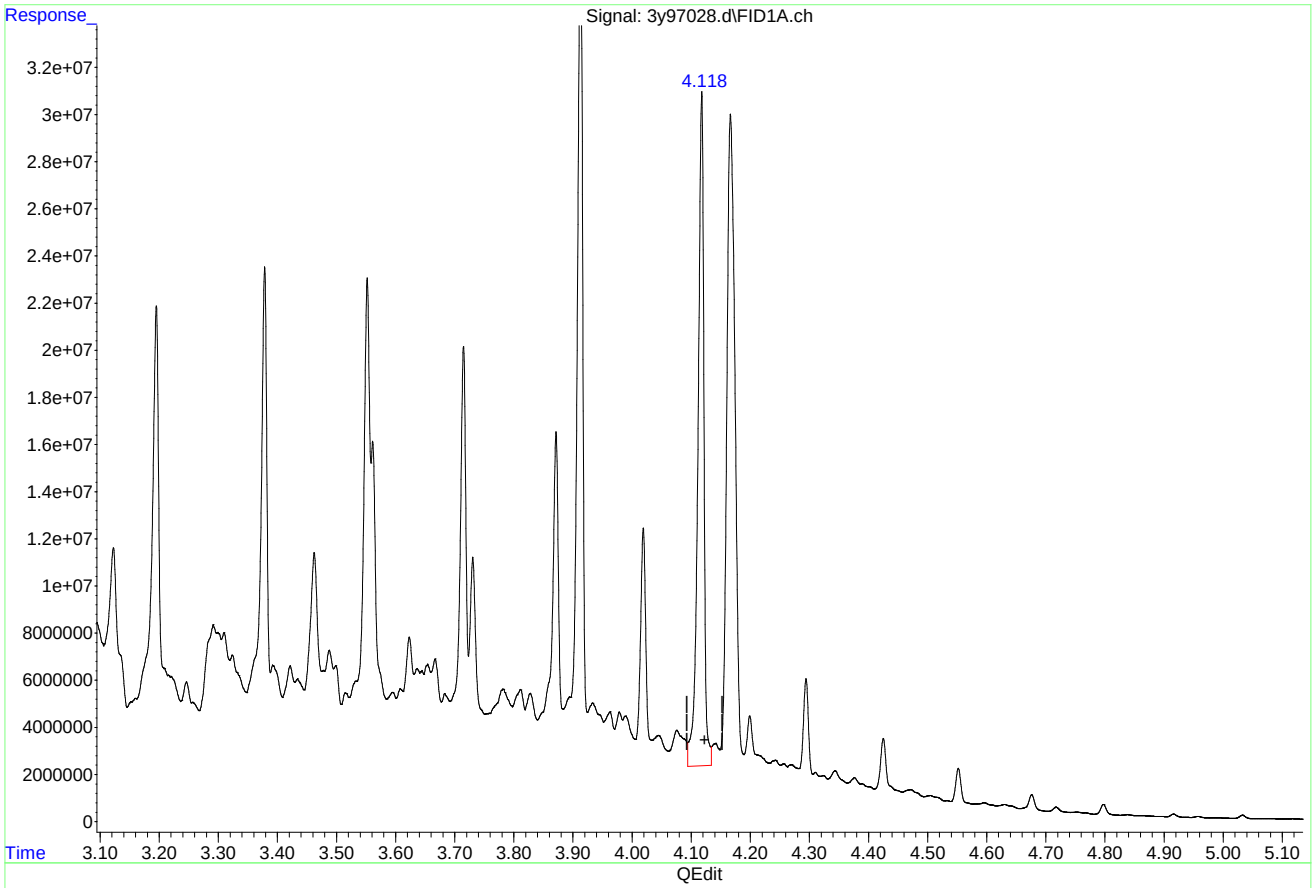
13.4.7.3
13

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97028.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 11:40 am
Operator : claudiab
Sample : ic3745-200
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 138 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:01:38 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.118min 3.115 PPM

response 200844082

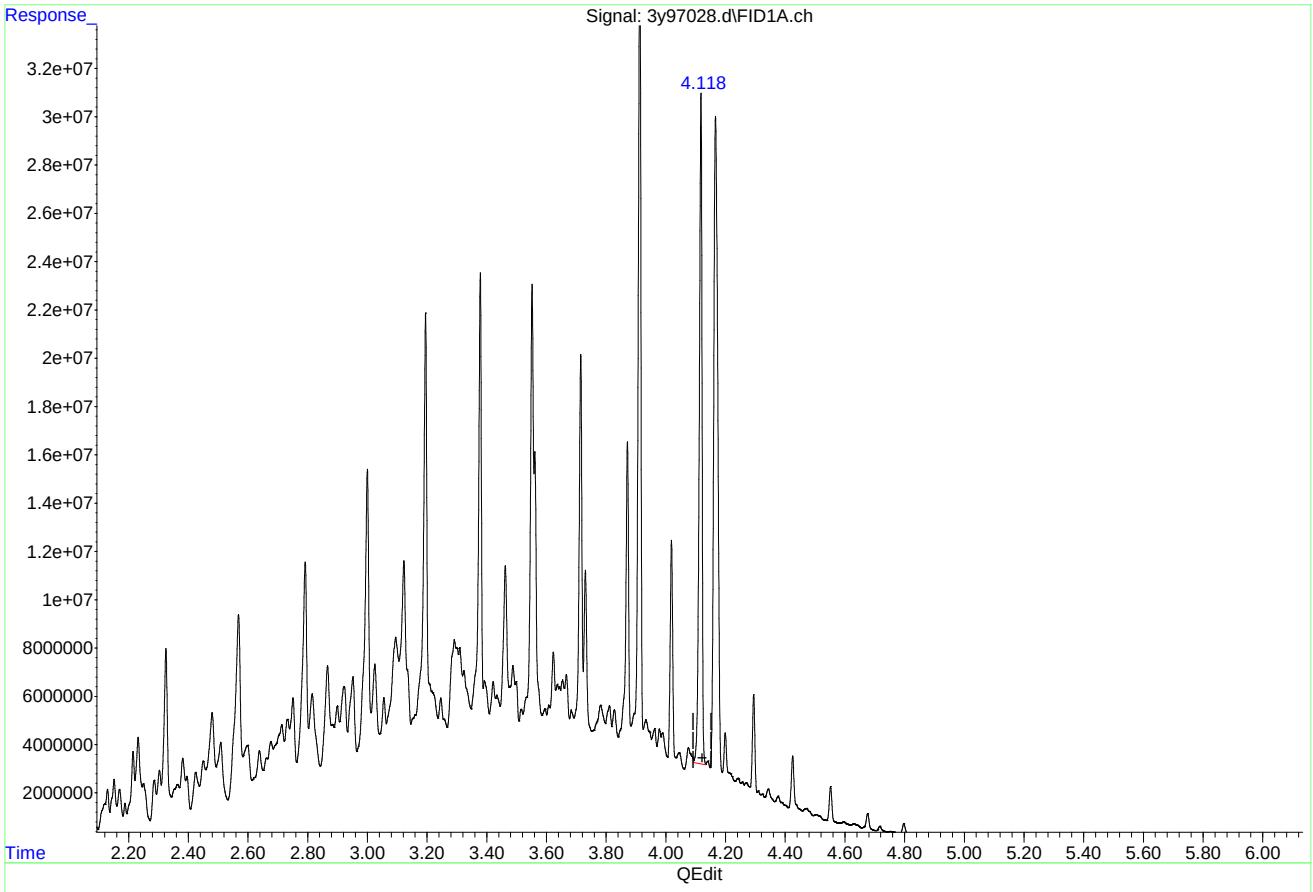
(+) = Expected Retention Time
DROLVI3y3745.M Fri Oct 17 14:01:51 2025 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97028.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 11:40 am
Operator : claudiab
Sample : ic3745-200
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 138 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:01:38 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.118min 2.802 PPM m

response 180618165

(+) = Expected Retention Time
DROLVI3y3745.M Fri Oct 17 14:01:56 2025

Manual Integrations APPROVED (compounds with "m" flag)
Gwendolyn Burns 10/25/25 12:13

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97029.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 12:00 pm
Operator : claudiab
Sample : ic3745-400
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 139 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:02:21 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
6) S o-TERPHENYL	3.918	384822176	5.448	PPM	m
Spiked Amount 50.000		Recovery = 10.90%			
7) S 5a-ANDROSTANE	4.124	347709577	5.393	PPM	m
Spiked Amount 50.000		Recovery = 10.79%			
Target Compounds					
1) H TPH-DRO	3.600	13174046853	267.894	PPM	

(f)=RT Delta > 1/2 Window (m)=manual int.

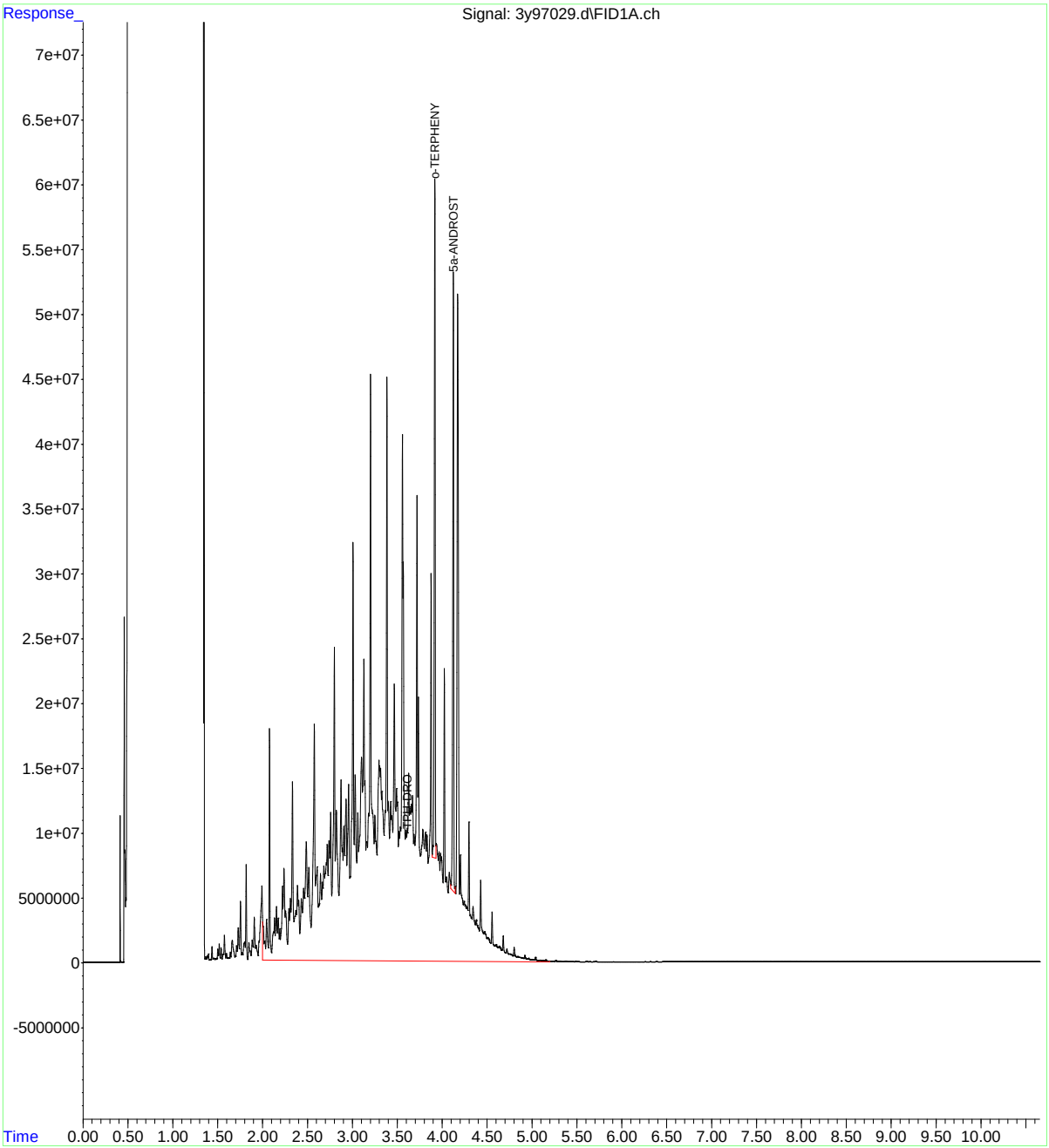
13.4.8
13

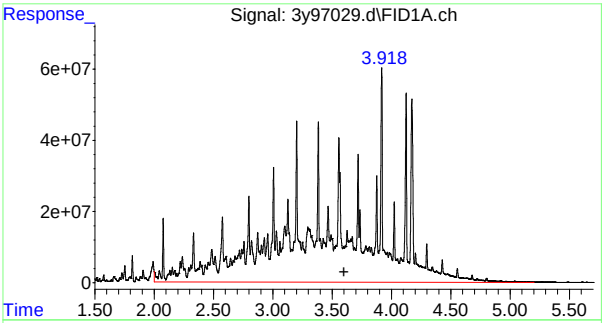
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97029.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 12:00 pm
Operator : claudiab
Sample : ic3745-400
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 139 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:02:21 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

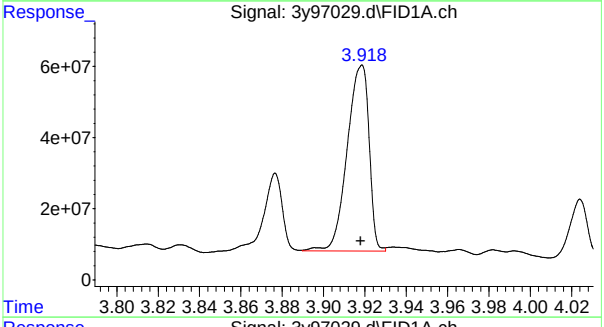
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





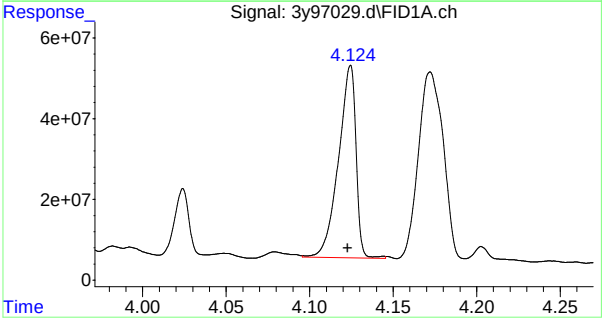
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 13174046853
Conc: 267.89 PPM



#6 o-TERPHENYL

R.T.: 3.918 min
Delta R.T.: 0.000 min
Response: 384822176
Conc: 5.45 PPM m



#7 5a-ANDROSTANE

R.T.: 4.124 min
Delta R.T.: 0.002 min
Response: 347709577
Conc: 5.39 PPM m

Manual Integration Approval Summary

Sample Number: G3Y3745-IC3745
Lab FileID: 3Y97029.D
Injection Time: 10/17/25 12:00
Method: SW846 8015D
Analyst approved: 10/18/25 23:12 Rebecca Krug
Supervisor approved: 10/25/25 12:13 Gwendolyn Burns

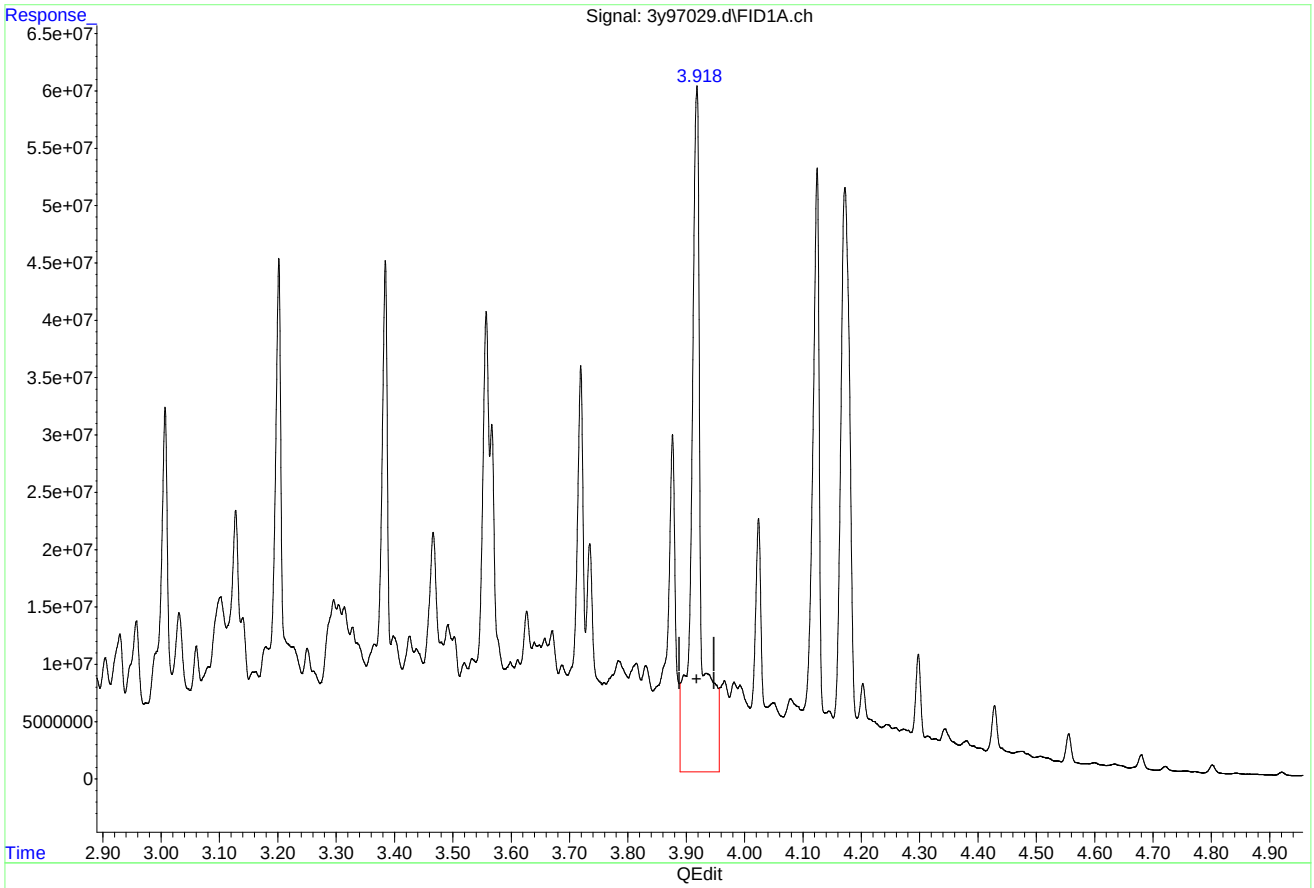
Parameter	CAS	Sig#	R.T. (min.)	Reason
o-Terphenyl	84-15-1	1	3.92	Poorly defined baseline
5a-Androstane	438-22-2	1	4.12	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97029.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 12:00 pm
Operator : claudiab
Sample : ic3745-400
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 139 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:02:04 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.918min 9.851 PPM

response 695828807

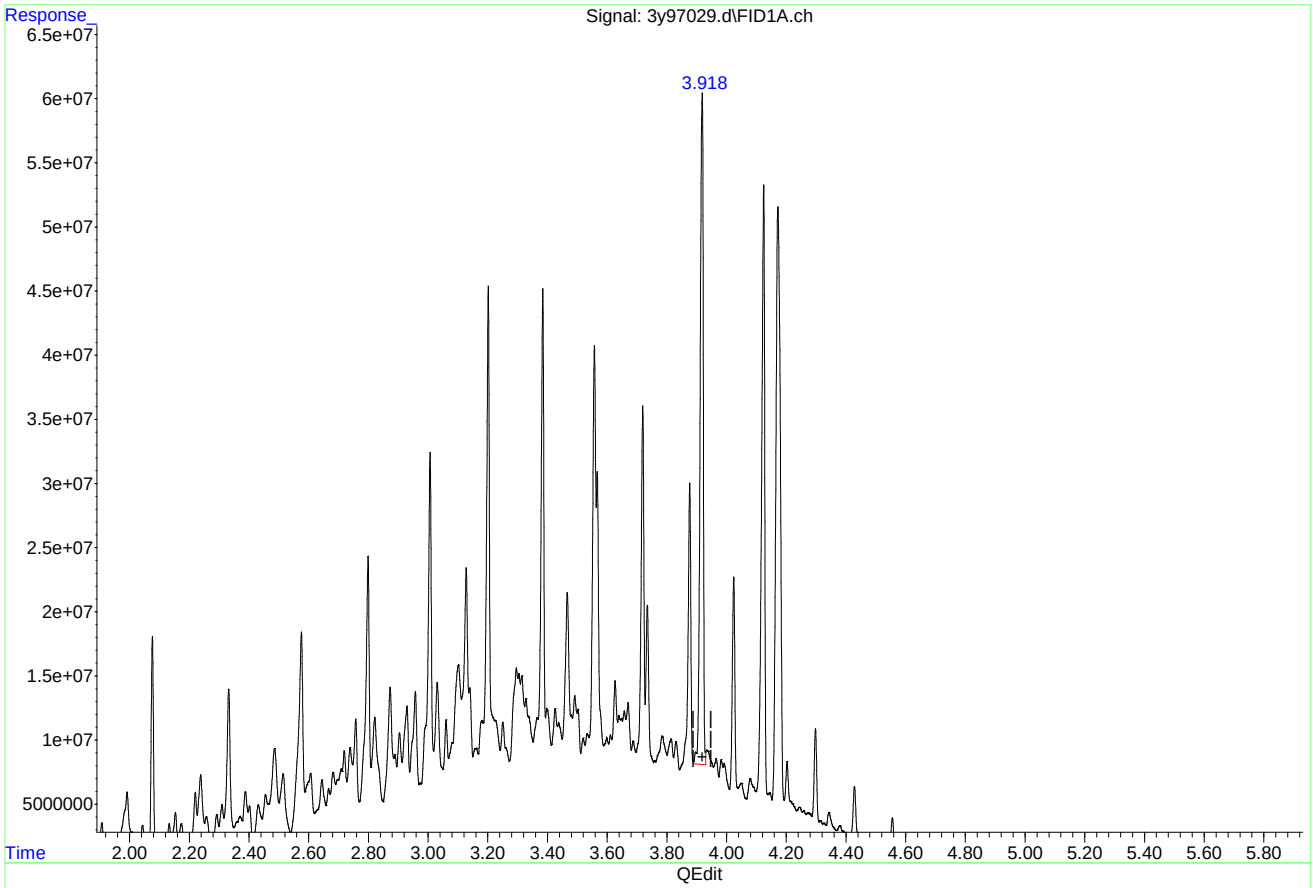
(+) = Expected Retention Time
DROLVI3y3745.M Fri Oct 17 14:02:10 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97029.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 12:00 pm
Operator : claudiab
Sample : ic3745-400
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 139 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:02:04 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.918min 5.448 PPM m

response 384822176

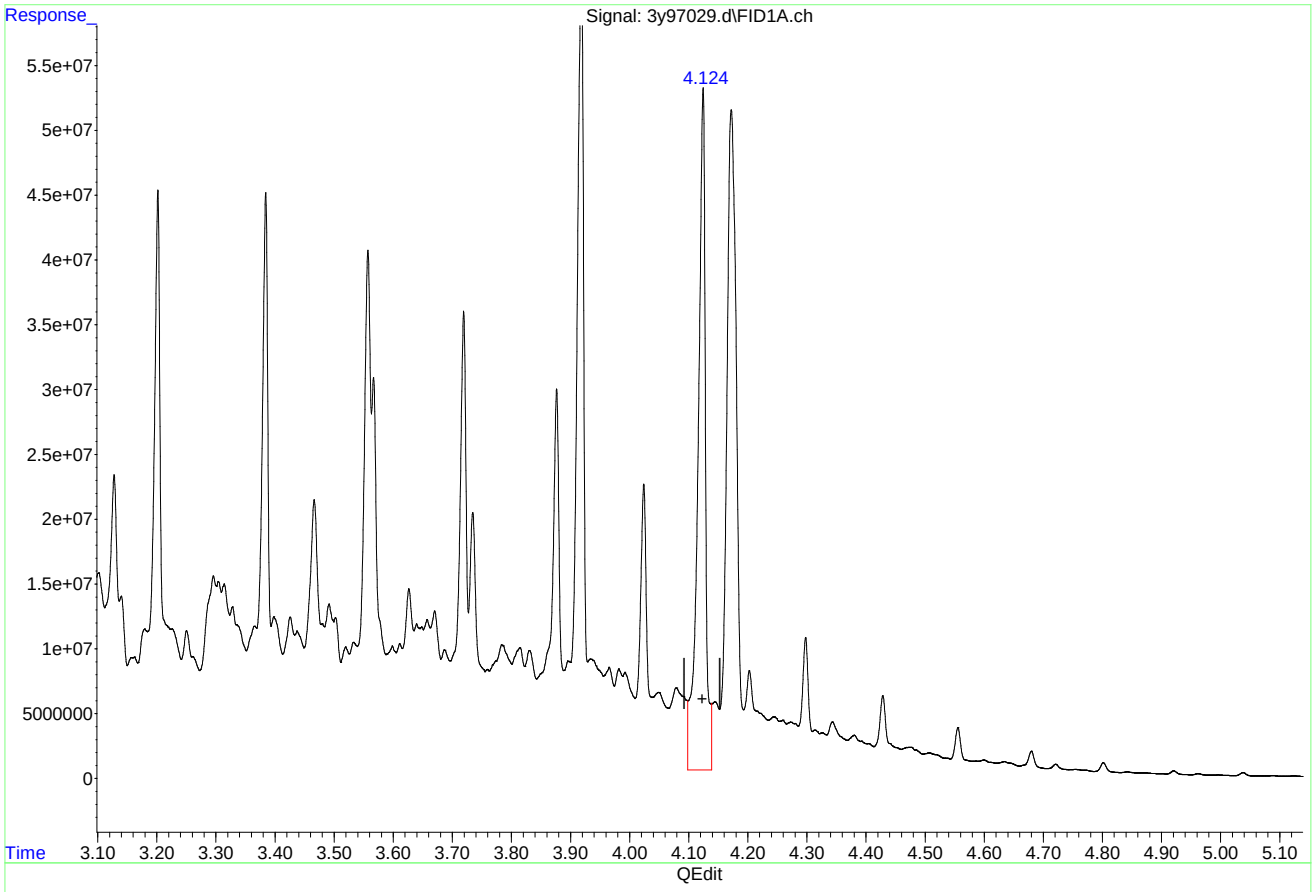
(+) = Expected Retention Time
DROLVI3y3745.M Fri Oct 17 14:02:16 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97029.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 12:00 pm
Operator : claudiab
Sample : ic3745-400
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 139 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:02:04 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.124min 7.221 PPM

response 465543004

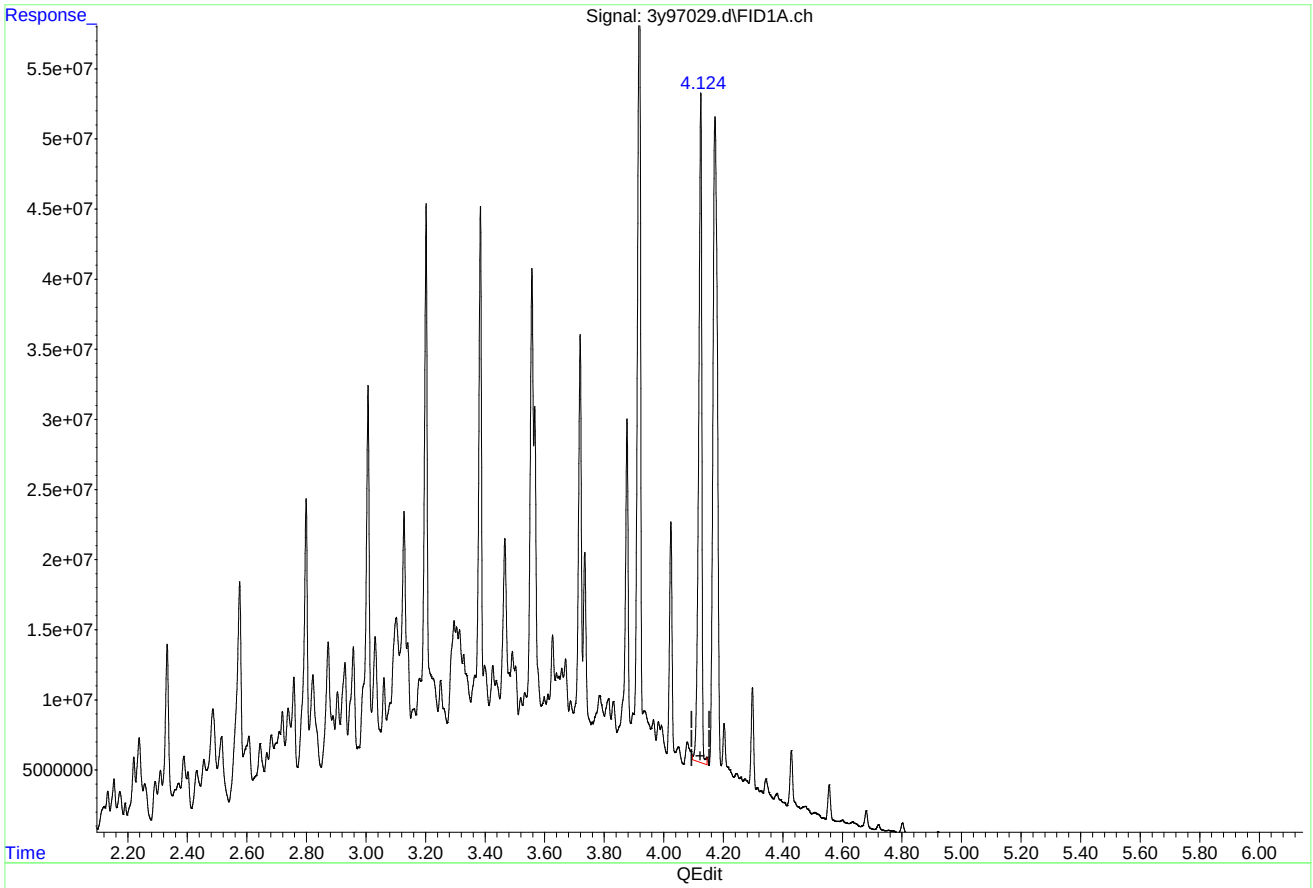
(+) = Expected Retention Time
DROLVI3y3745.M Fri Oct 17 14:02:18 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97029.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 12:00 pm
Operator : claudiab
Sample : ic3745-400
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 139 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:02:04 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.124min 5.393 PPM m

response 347709577

(+) = Expected Retention Time
DROLVI3y3745.M Fri Oct 17 14:02:23 2025

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97037.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 2:39 pm
Operator : claudiab
Sample : ic3745-1
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 131 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:52:59 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Fri Oct 17 14:07:02 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
Target Compounds			
1) H TPH-DRO	3.600	40988050	2.736 PPM

(f)=RT Delta > 1/2 Window (m)=manual int.

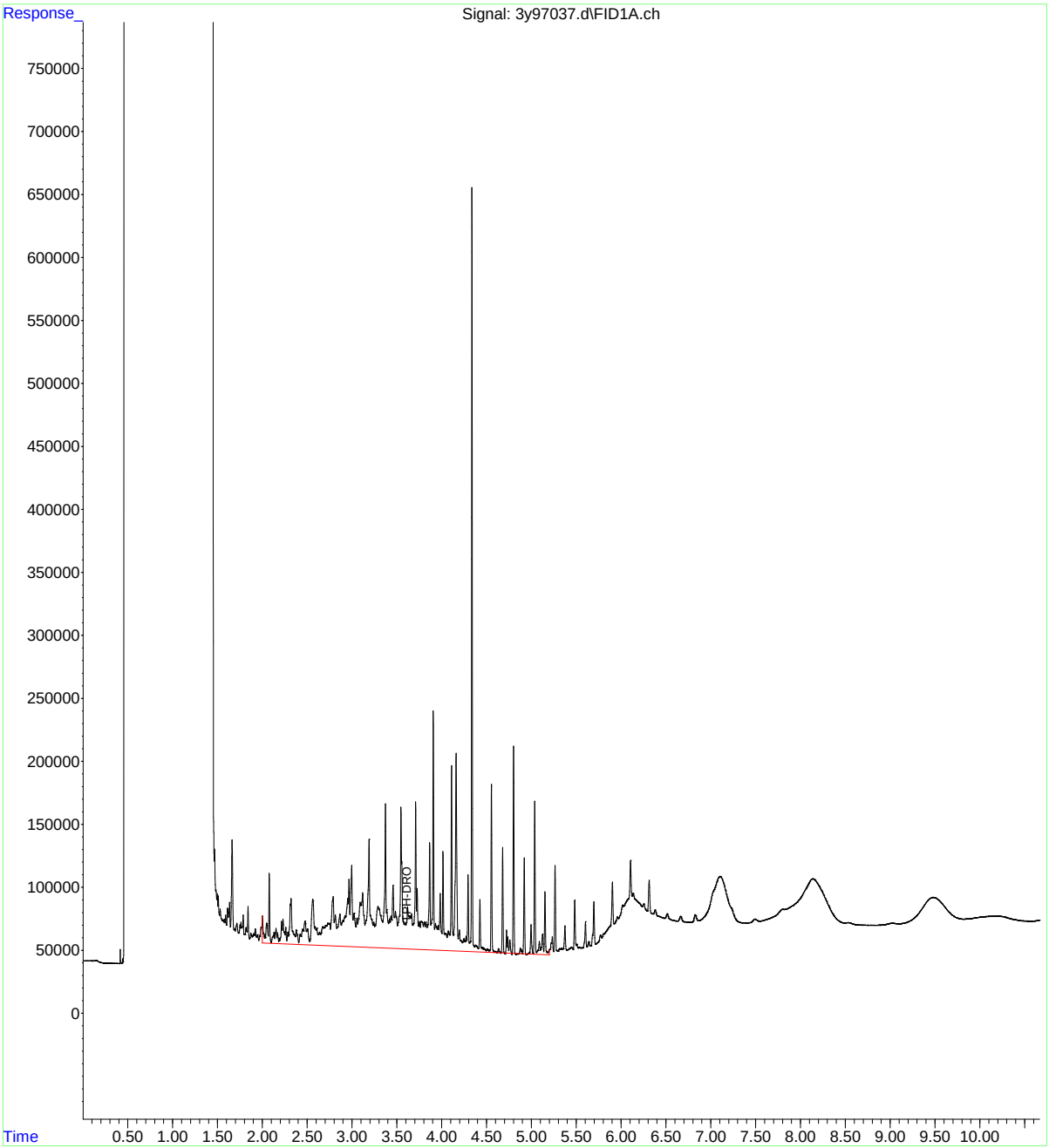
13.4.9
13

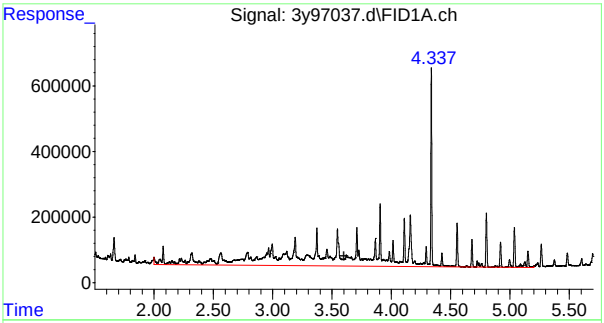
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97037.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 2:39 pm
Operator : claudiab
Sample : ic3745-1
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 131 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:52:59 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Fri Oct 17 14:07:02 2025
Response via : Initial Calibration
Integrator: ChemStation

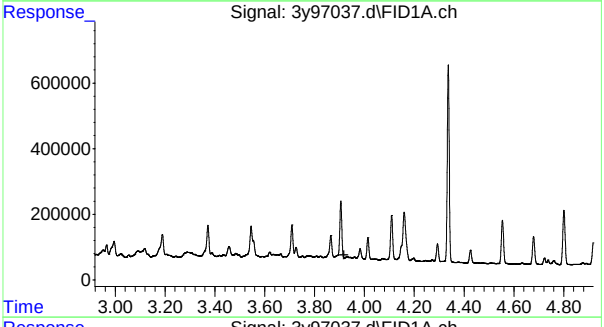
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





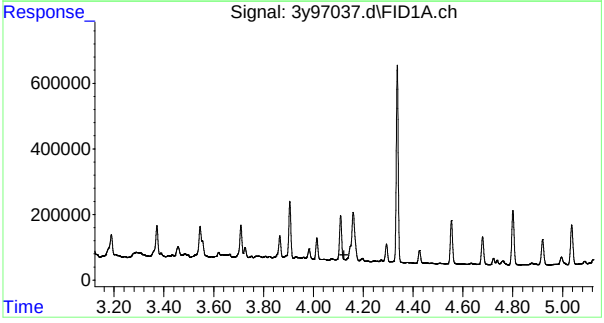
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 40988050
Conc: 2.74 PPM



#6 o-TERPHENYL

R.T.: 0.000 min
Exp R.T. : 3.918 min
Response: 0
Conc: N.D.



#7 5a-ANDROSTANE

R.T.: 0.000 min
Exp R.T. : 4.123 min
Response: 0
Conc: N.D.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97039.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 3:19 pm
Operator : claudiab
Sample : icv3745-40
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 142 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 18 23:07:04 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:06:51 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
Target Compounds			
1) H TPH-DRO	3.600	1613162091	46.895 PPM

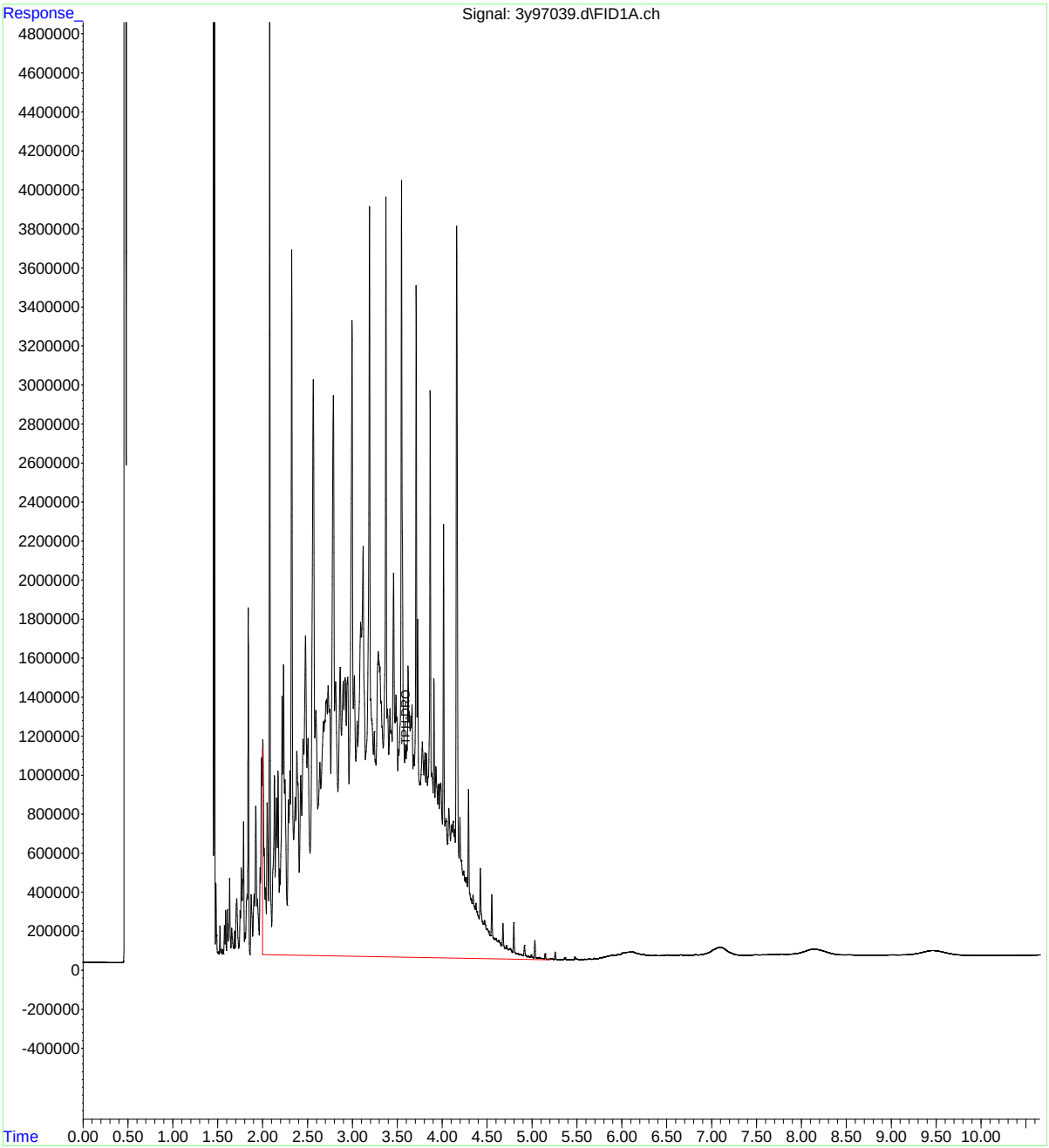
(f)=RT Delta > 1/2 Window (m)=manual int.

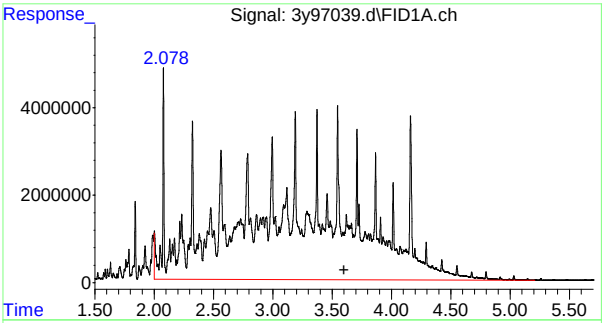
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97039.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 3:19 pm
Operator : claudiab
Sample : icv3745-40
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 142 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 18 23:07:04 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:06:51 2025
Response via : Initial Calibration
Integrator: ChemStation

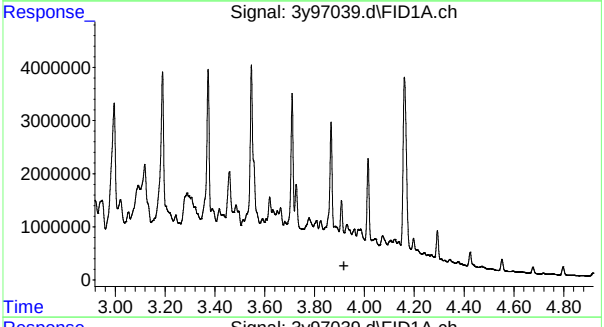
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





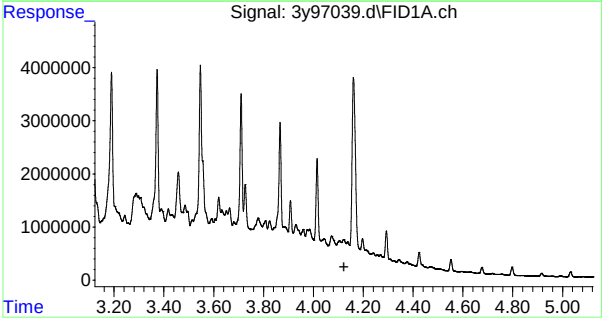
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 1613162091
Conc: 46.89 PPM



#6 o-TERPHENYL

R.T.: 0.000 min
Exp R.T. : 3.918 min
Response: 0
Conc: N.D.



#7 5a-ANDROSTANE

R.T.: 0.000 min
Exp R.T. : 4.123 min
Response: 0
Conc: N.D.

Manual Integrations APPROVED (compounds with "m" flag)
Rebecca Krug
10/20/25 21:13

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97091.d
Signal(s) : FID1A.ch
Acq On : 18 Oct 2025 5:45 pm
Operator : rebeccak
Sample : cc3745-20
Misc : op68193,g3y3747,55.0,,,2,1
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:27:23 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
6) S o-TERPHENYL	3.906	19670936	0.436	PPM	m
Spiked Amount 50.000		Recovery = 0.87%			
7) S 5a-ANDROSTANE	4.110	17297940	0.436	PPM	m
Spiked Amount 50.000		Recovery = 0.87%			
Target Compounds					
1) H TPH-DRO	3.600	722004125	20.989	PPM	

(f)=RT Delta > 1/2 Window (m)=manual int.

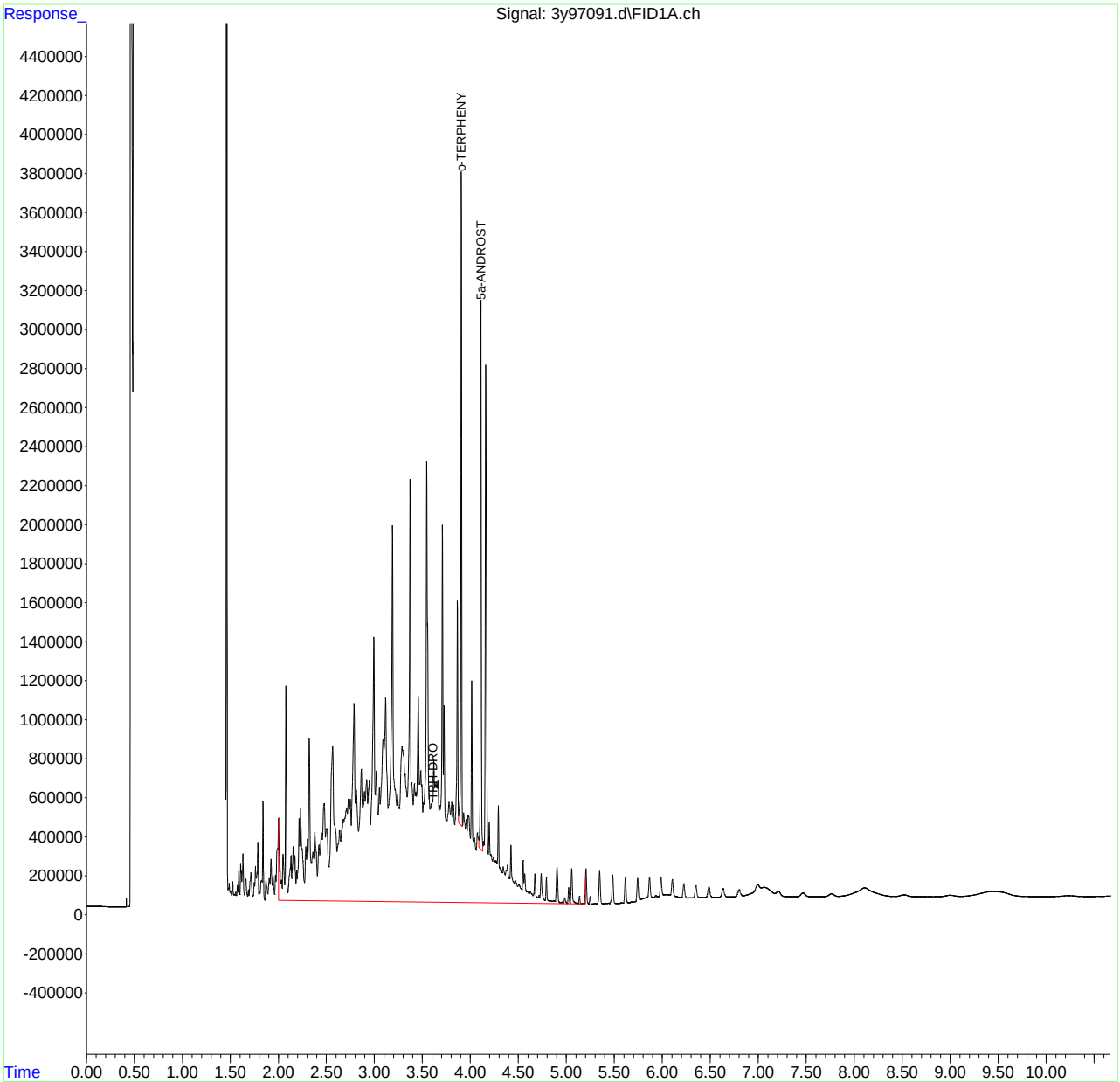
13.4.11
13

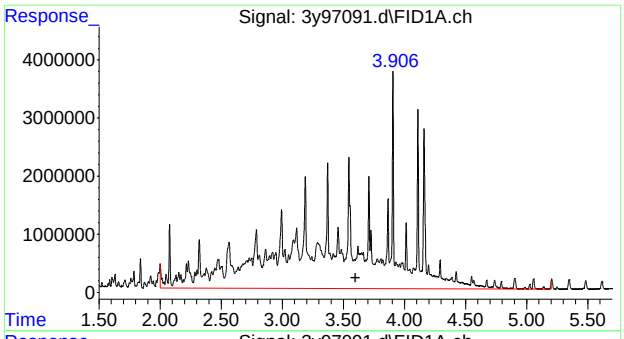
Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97091.d
Signal(s) : FID1A.ch
Acq On : 18 Oct 2025 5:45 pm
Operator : rebeccak
Sample : cc3745-20
Misc : op68193,g3y3747,55.0,,,2,1
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:27:23 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

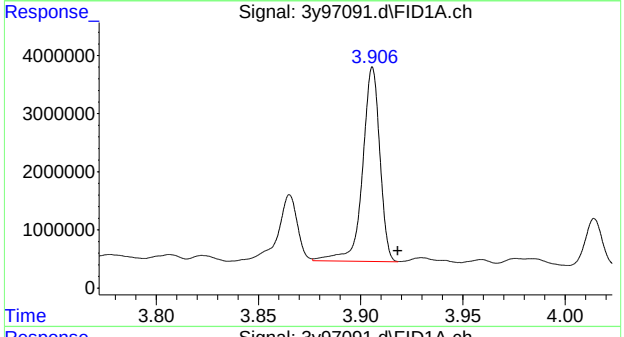
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





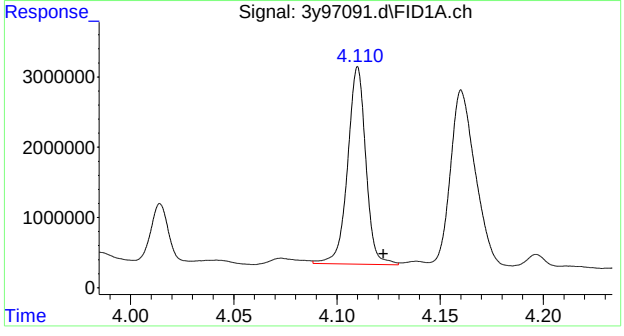
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 722004125
Conc: 20.99 PPM



#6 o-TERPHENYL

R.T.: 3.906 min
Delta R.T.: -0.012 min
Response: 19670936
Conc: 0.44 PPM m



#7 5a-ANDROSTANE

R.T.: 4.110 min
Delta R.T.: -0.013 min
Response: 17297940
Conc: 0.44 PPM m

Manual Integration Approval Summary

Sample Number: G3Y3747-CC3745
Lab FileID: 3Y97091.D
Injection Time: 10/18/25 17:45
Method: SW846 8015D
Analyst approved: 10/20/25 15:45 Maria Benavides
Supervisor approved: 10/20/25 21:13 Rebecca Krug

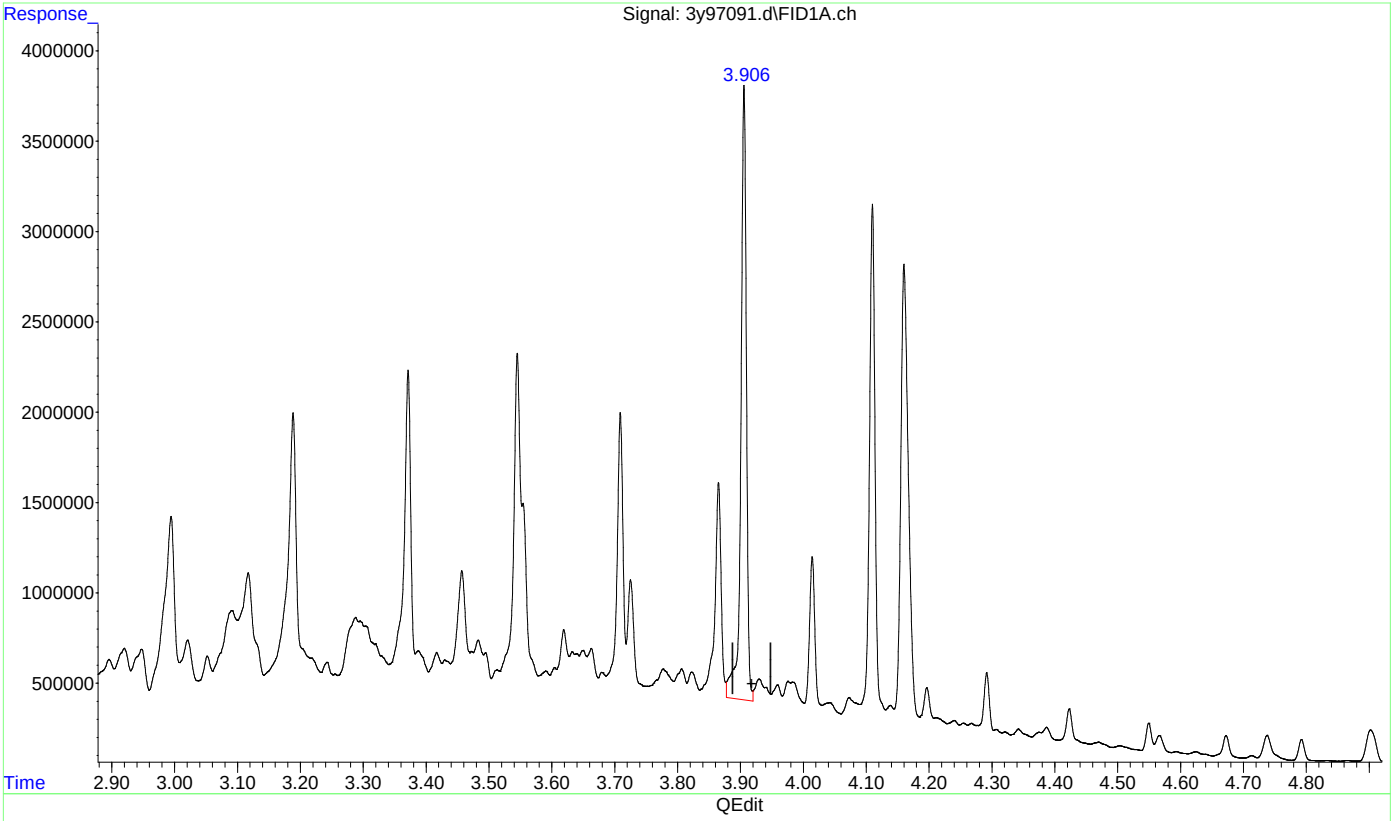
Parameter	CAS	Sig#	R.T. (min.)	Reason
o-Terphenyl	84-15-1	1	3.91	Poorly defined baseline
5a-Androstane	438-22-2	1	4.11	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97091.d
Signal(s) : FID1A.ch
Acq On : 18 Oct 2025 5:45 pm
Operator : rebeccak
Sample : cc3745-20
Misc : op68193,g3y3747,55.0,,,2,1
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:04:09 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.906min 0.464 PPM

response 20931535

13.4.11.2

13

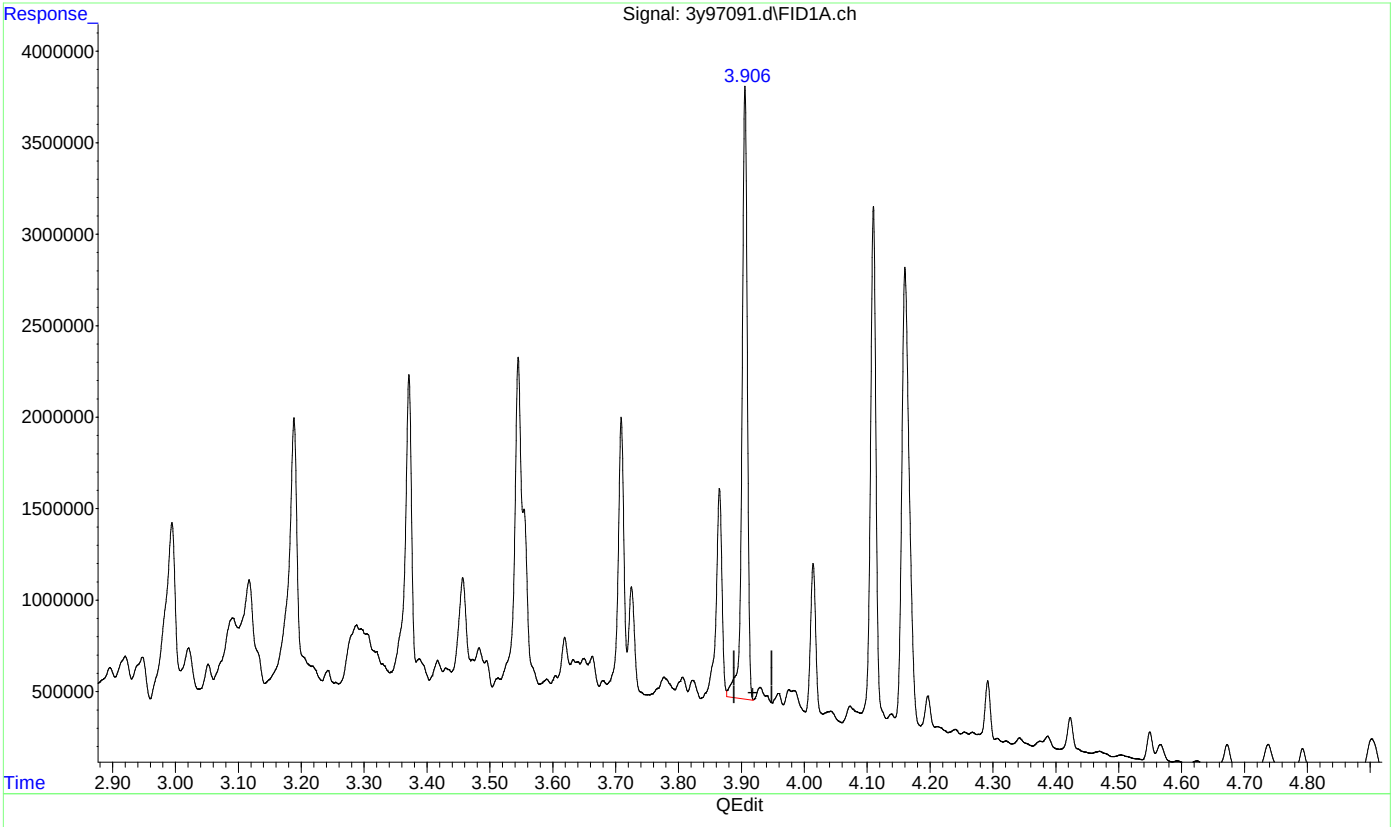
(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 16:26:51 2025

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97091.d
Signal(s) : FID1A.ch
Acq On : 18 Oct 2025 5:45 pm
Operator : rebeccak
Sample : cc3745-20
Misc : op68193,g3y3747,55.0,,,2,1
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:04:09 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.906min 0.436 PPM m

response 19670936

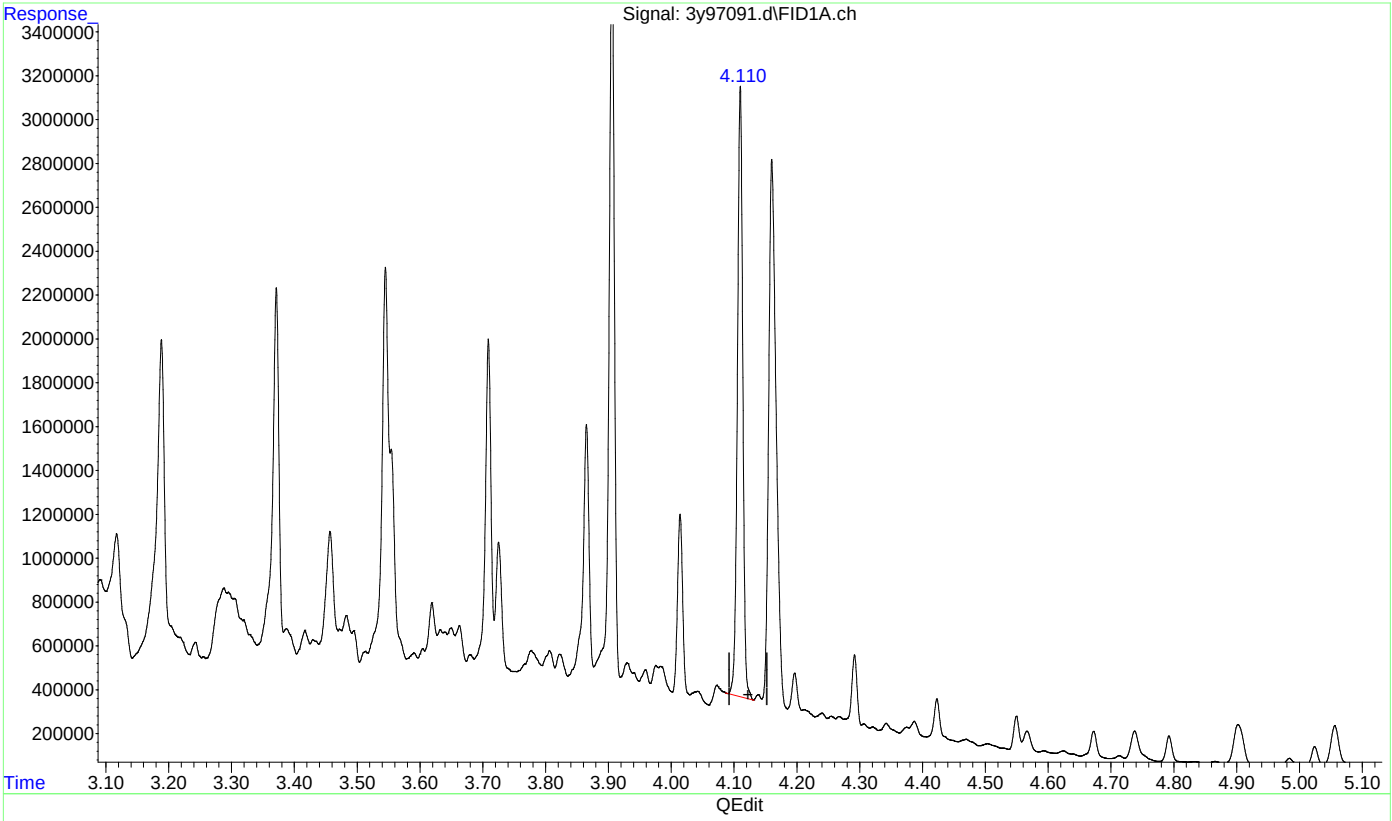
(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 16:27:07 2025

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97091.d
Signal(s) : FID1A.ch
Acq On : 18 Oct 2025 5:45 pm
Operator : rebeccak
Sample : cc3745-20
Misc : op68193,g3y3747,55.0,,,2,1
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:04:09 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.110min 0.415 PPM

response 16476043

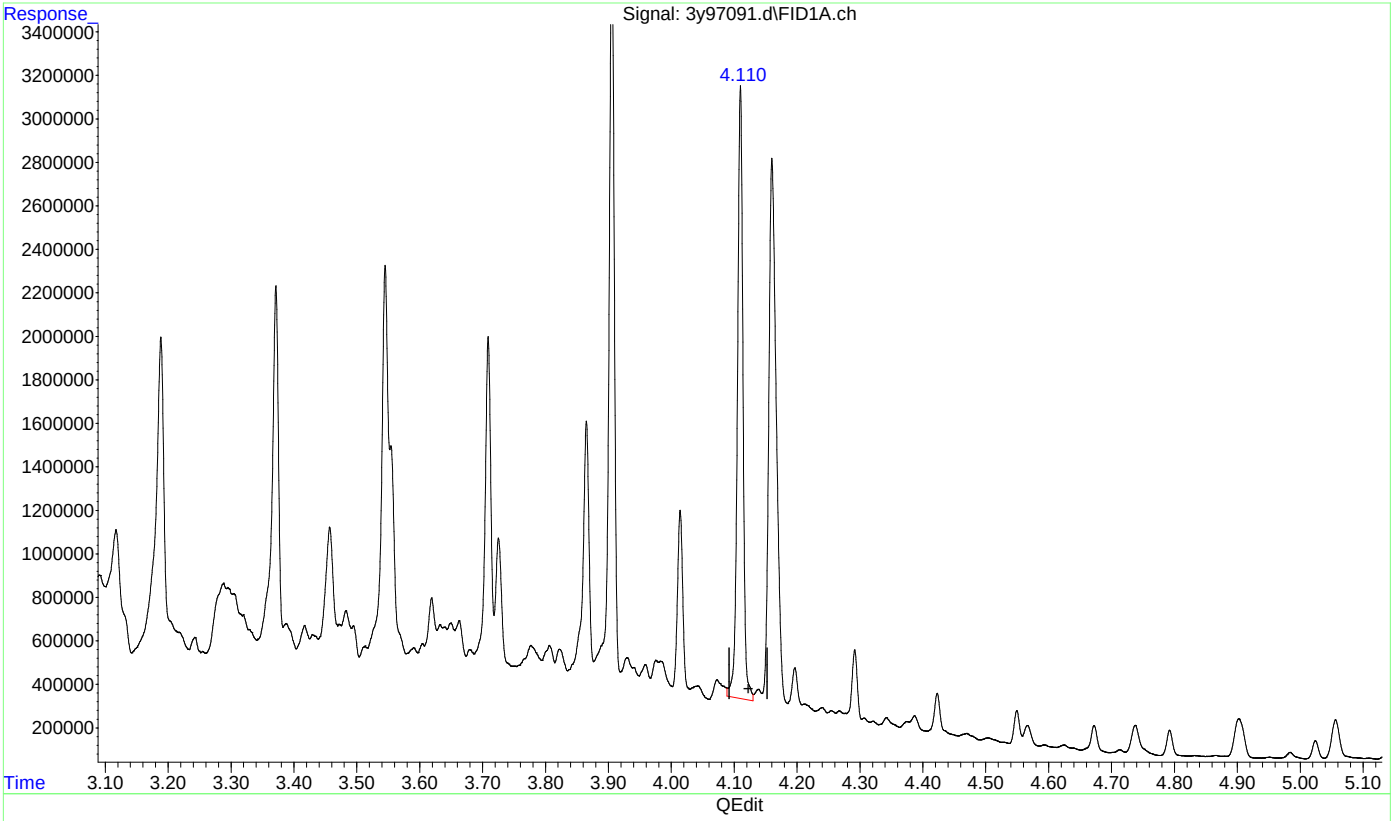
(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 16:27:12 2025

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97091.d
Signal(s) : FID1A.ch
Acq On : 18 Oct 2025 5:45 pm
Operator : rebeccak
Sample : cc3745-20
Misc : op68193,g3y3747,55.0,,,2,1
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:04:09 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.110min 0.436 PPM m

response 17297940

(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 16:27:27 2025

Manual Integrations APPROVED (compounds with "m" flag)
Rebecca Krug
10/20/25 21:13

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97102.d
Signal(s) : FID1A.ch
Acq On : 18 Oct 2025 9:21 pm
Operator : rebeccak
Sample : cc3745-40
Misc : op68257,g3y3747,55.0,,,2,1
ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:56:40 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
6) S o-TERPHENYL	3.906	41601627	0.923 PPM m
Spiked Amount 50.000		Recovery =	1.85%
7) S 5a-ANDROSTANE	4.111	36467157	0.920 PPM m
Spiked Amount 50.000		Recovery =	1.84%
Target Compounds			
1) H TPH-DRO	3.600	1509681353	43.886 PPM

(f)=RT Delta > 1/2 Window (m)=manual int.

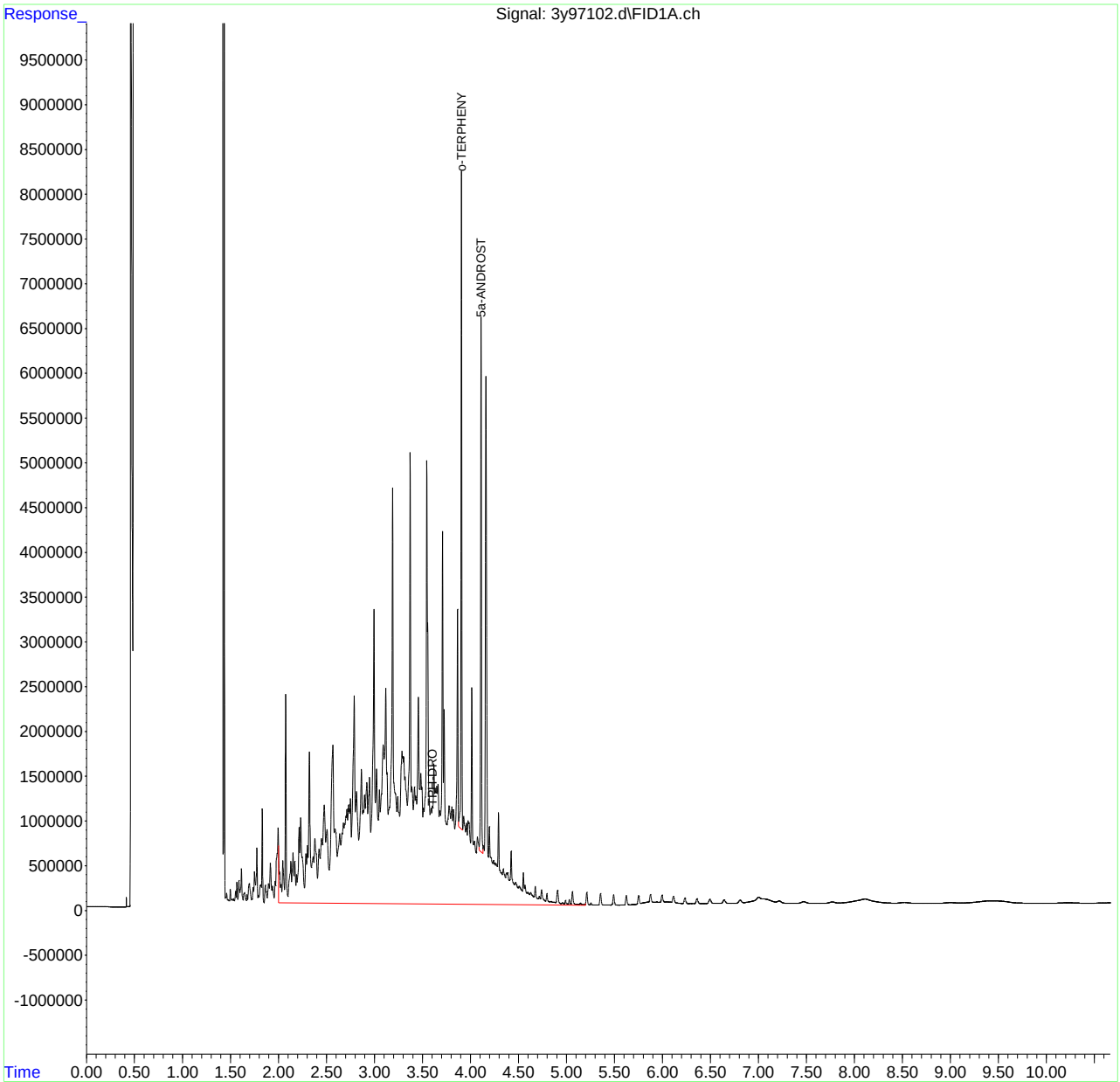
13.4.12
13

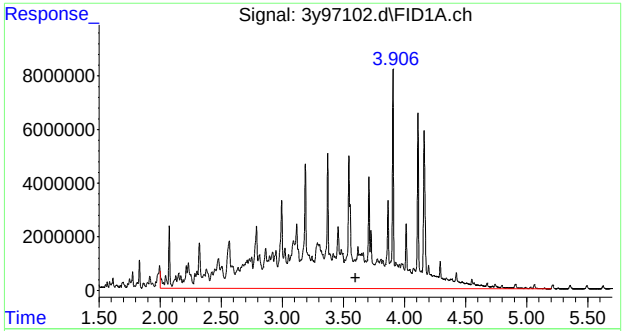
Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97102.d
Signal(s) : FID1A.ch
Acq On : 18 Oct 2025 9:21 pm
Operator : rebeccak
Sample : cc3745-40
Misc : op68257,g3y3747,55.0,,,2,1
ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:56:40 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

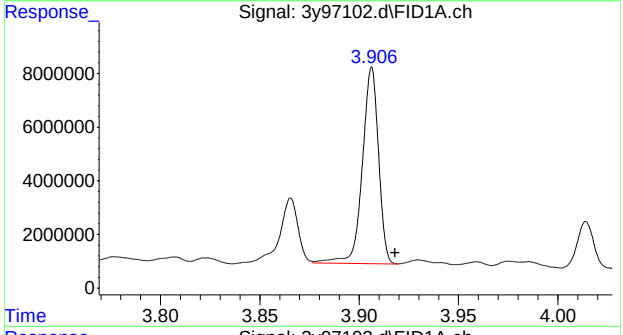
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





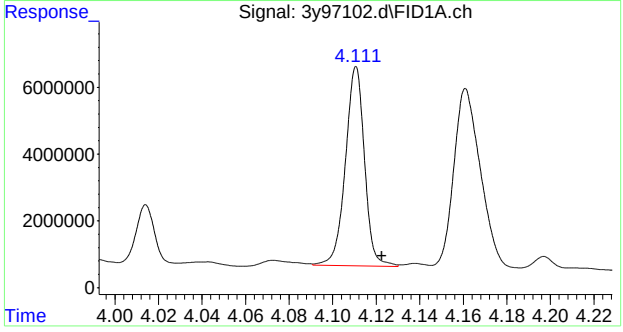
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 1509681353
Conc: 43.89 PPM



#6 o-TERPHENYL

R.T.: 3.906 min
Delta R.T.: -0.012 min
Response: 41601627
Conc: 0.92 PPM m



#7 5a-ANDROSTANE

R.T.: 4.111 min
Delta R.T.: -0.012 min
Response: 36467157
Conc: 0.92 PPM m

Manual Integration Approval Summary

Sample Number: G3Y3747-CC3745
Lab FileID: 3Y97102.D
Injection Time: 10/18/25 21:21
Method: SW846 8015D
Analyst approved: 10/20/25 15:45 Maria Benavides
Supervisor approved: 10/20/25 21:13 Rebecca Krug

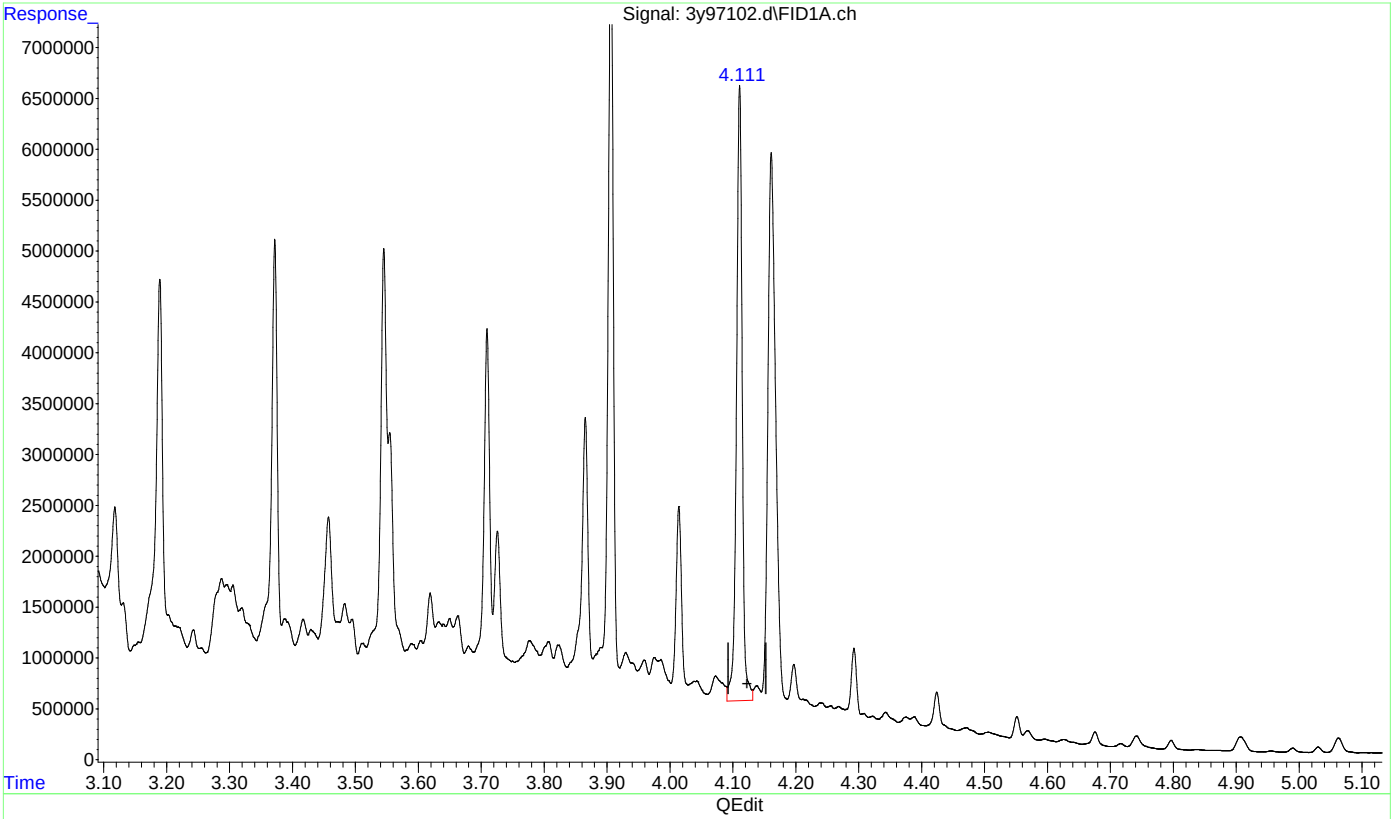
Parameter	CAS	Sig#	R.T. (min.)	Reason
o-Terphenyl	84-15-1	1	3.91	Poorly defined baseline
5a-Androstane	438-22-2	1	4.11	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97102.d
Signal(s) : FID1A.ch
Acq On : 18 Oct 2025 9:21 pm
Operator : rebeccak
Sample : cc3745-40
Misc : op68257,g3y3747,55.0,,,2,1
ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:05:00 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.111min 0.967 PPM

response 38337341

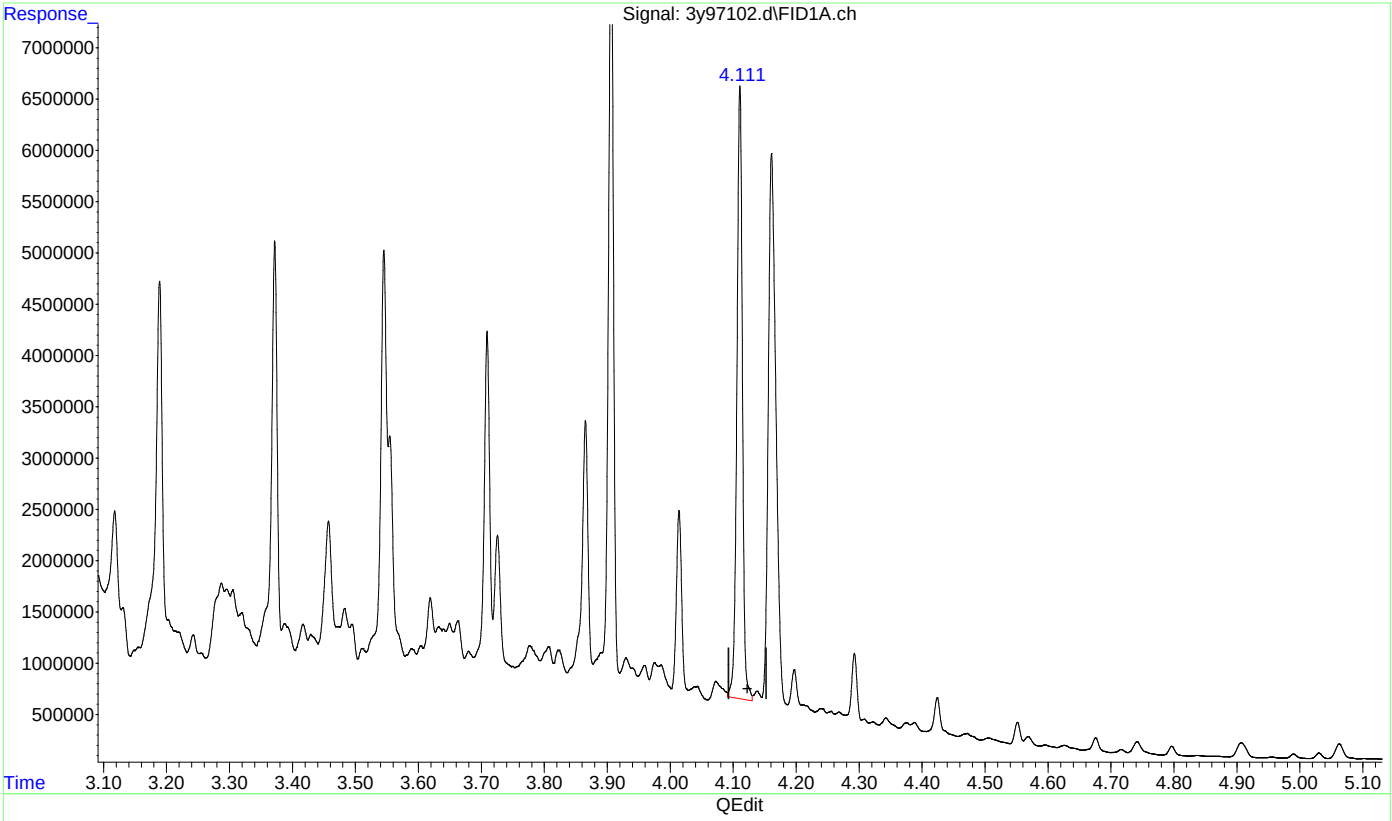
(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 16:56:16 2025

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97102.d
Signal(s) : FID1A.ch
Acq On : 18 Oct 2025 9:21 pm
Operator : rebeccak
Sample : cc3745-40
Misc : op68257,g3y3747,55.0,,,2,1
ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:05:00 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.111min 0.920 PPM m

response 36467157

(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 16:56:43 2025

Manual Integrations APPROVED (compounds with "m" flag)
Rebecca Krug
10/20/25 21:13

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97113.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 1:11 am
Operator : rebeccak
Sample : cc3745-20
Misc : op68257,g3y3747,55.0,,,2,1
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 17:15:16 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
6) S o-TERPHENYL	3.903f	20818291	0.462	PPM	m
Spiked Amount 50.000		Recovery =	0.92%		
7) S 5a-ANDROSTANE	4.107f	17953858	0.453	PPM	m
Spiked Amount 50.000		Recovery =	0.91%		
Target Compounds					
1) H TPH-DRO	3.600	759906639	22.090	PPM	

(f)=RT Delta > 1/2 Window (m)=manual int.

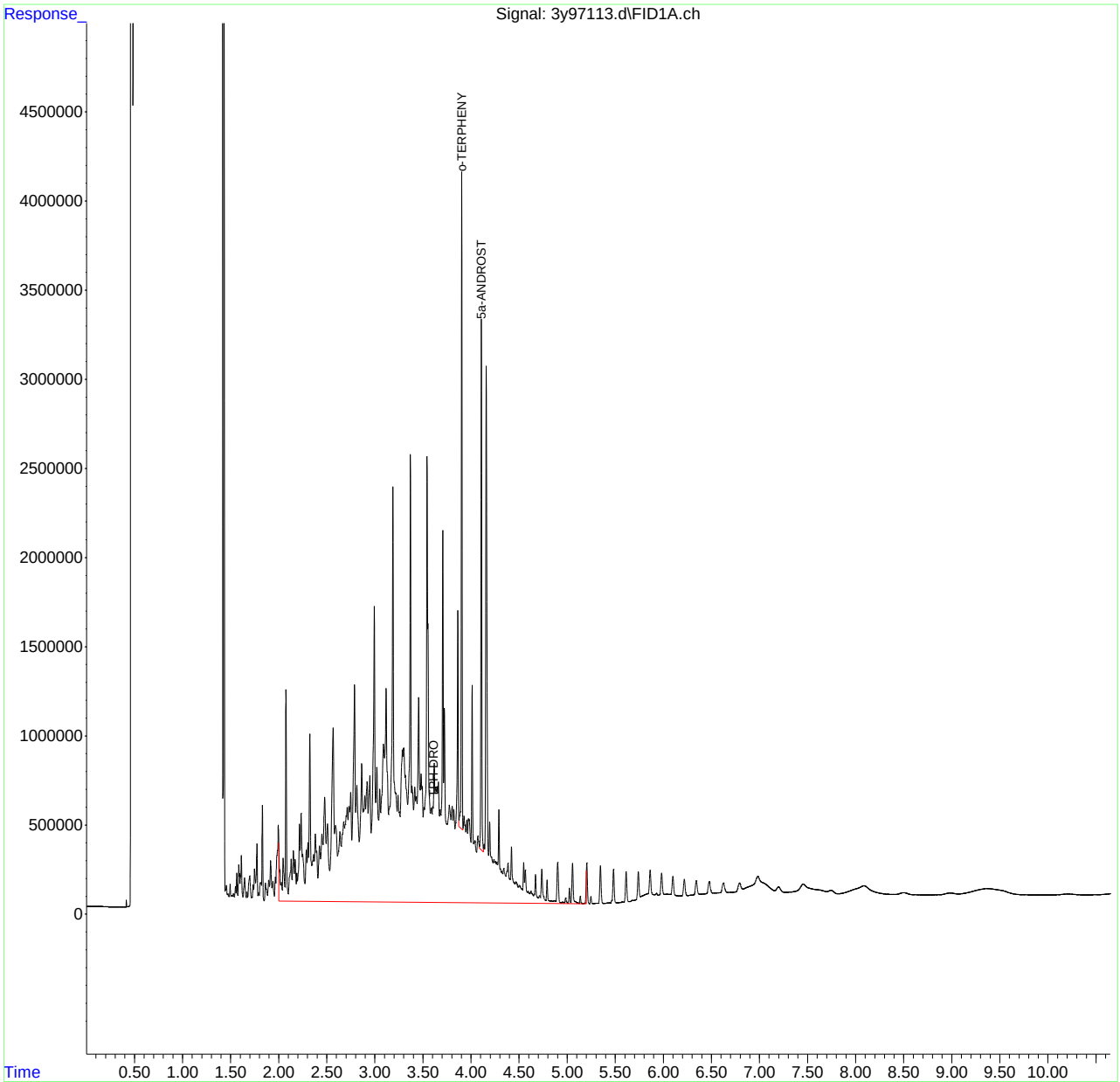
13.4.13
13

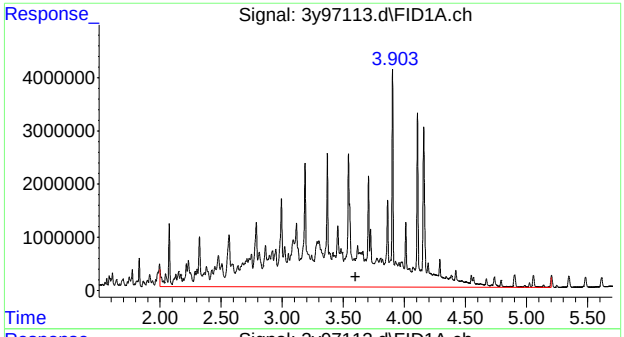
Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97113.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 1:11 am
Operator : rebeccak
Sample : cc3745-20
Misc : op68257,g3y3747,55.0,,,2,1
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 17:15:16 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

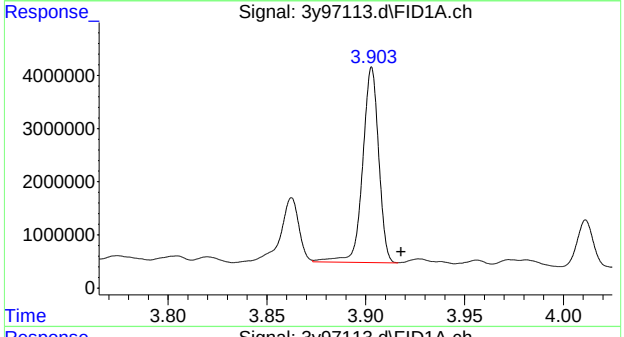
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





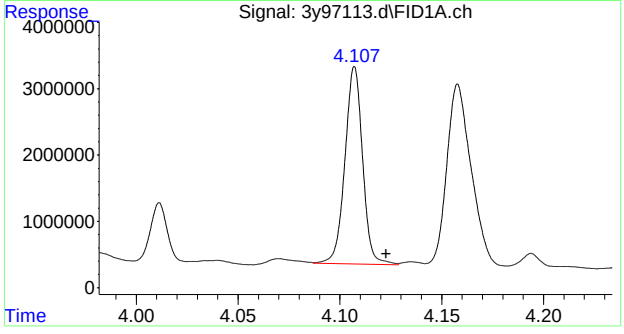
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 759906639
Conc: 22.09 PPM



#6 o-TERPHENYL

R.T.: 3.903 min
Delta R.T.: -0.015 min
Response: 20818291
Conc: 0.46 PPM m



#7 5a-ANDROSTANE

R.T.: 4.107 min
Delta R.T.: -0.016 min
Response: 17953858
Conc: 0.45 PPM m

Manual Integration Approval Summary

Sample Number: G3Y3747-CC3745
Lab FileID: 3Y97113.D
Injection Time: 10/19/25 01:11
Method: SW846 8015D
Analyst approved: 10/20/25 15:45 Maria Benavides
Supervisor approved: 10/20/25 21:13 Rebecca Krug

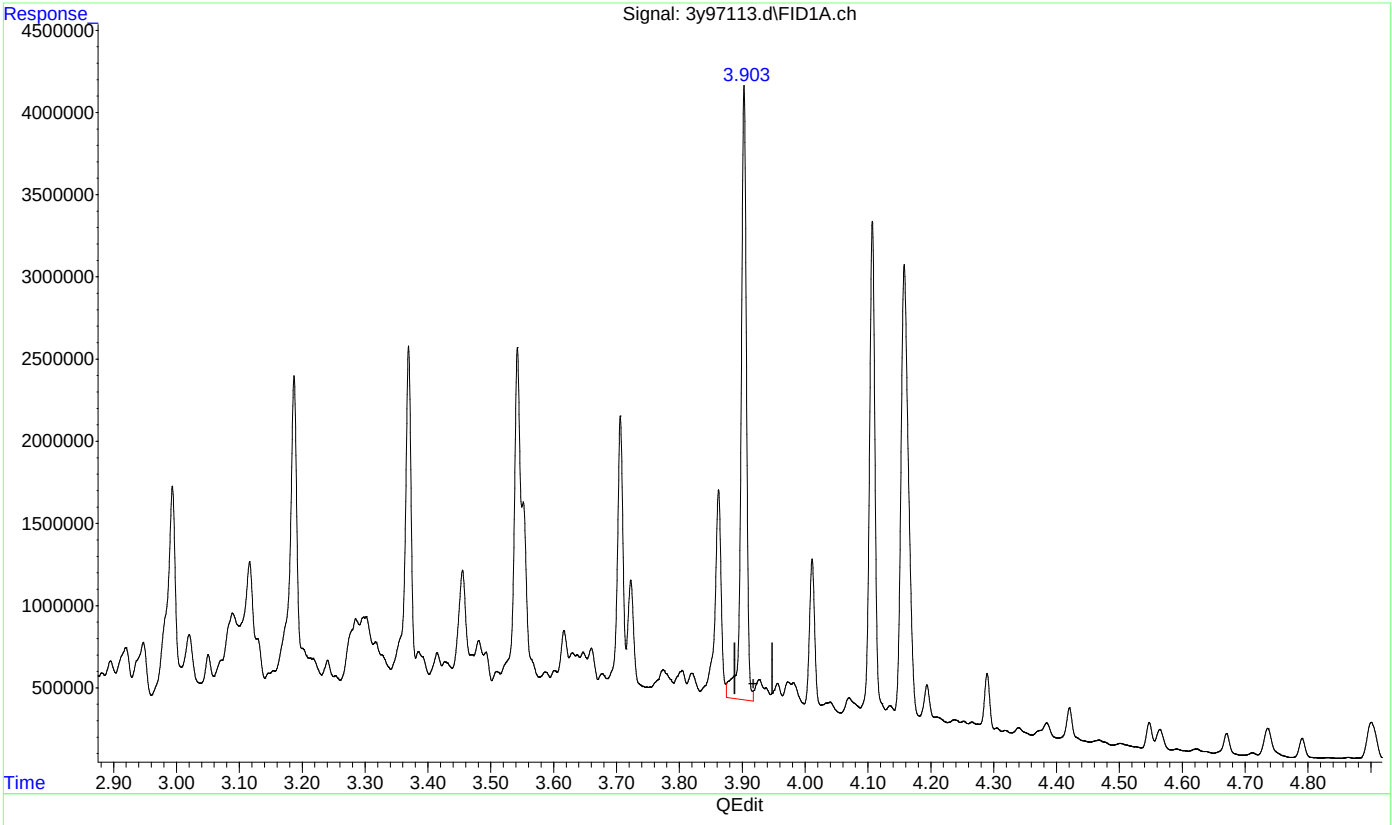
Parameter	CAS	Sig#	R.T. (min.)	Reason
o-Terphenyl	84-15-1	1	3.90	Poorly defined baseline
5a-Androstane	438-22-2	1	4.11	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97113.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 1:11 am
Operator : rebeccak
Sample : cc3745-20
Misc : op68257,g3y3747,55.0,,,2,1
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:05:50 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.903min 0.490 PPM

response 22114199

13.4.13.2

13

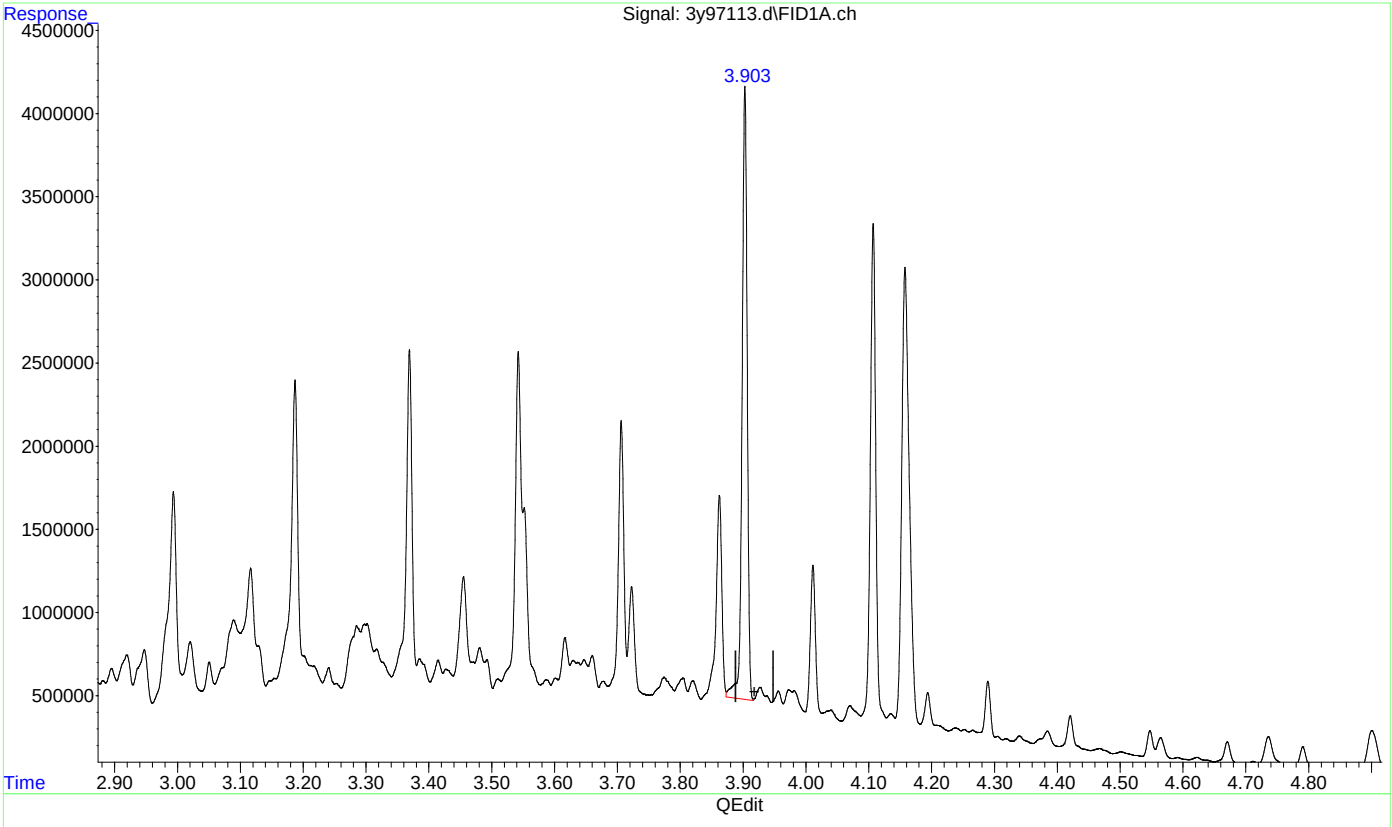
(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 17:14:38 2025

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97113.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 1:11 am
Operator : rebeccak
Sample : cc3745-20
Misc : op68257,g3y3747,55.0,,,2,1
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:05:50 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.903min 0.462 PPM m

response 20818291

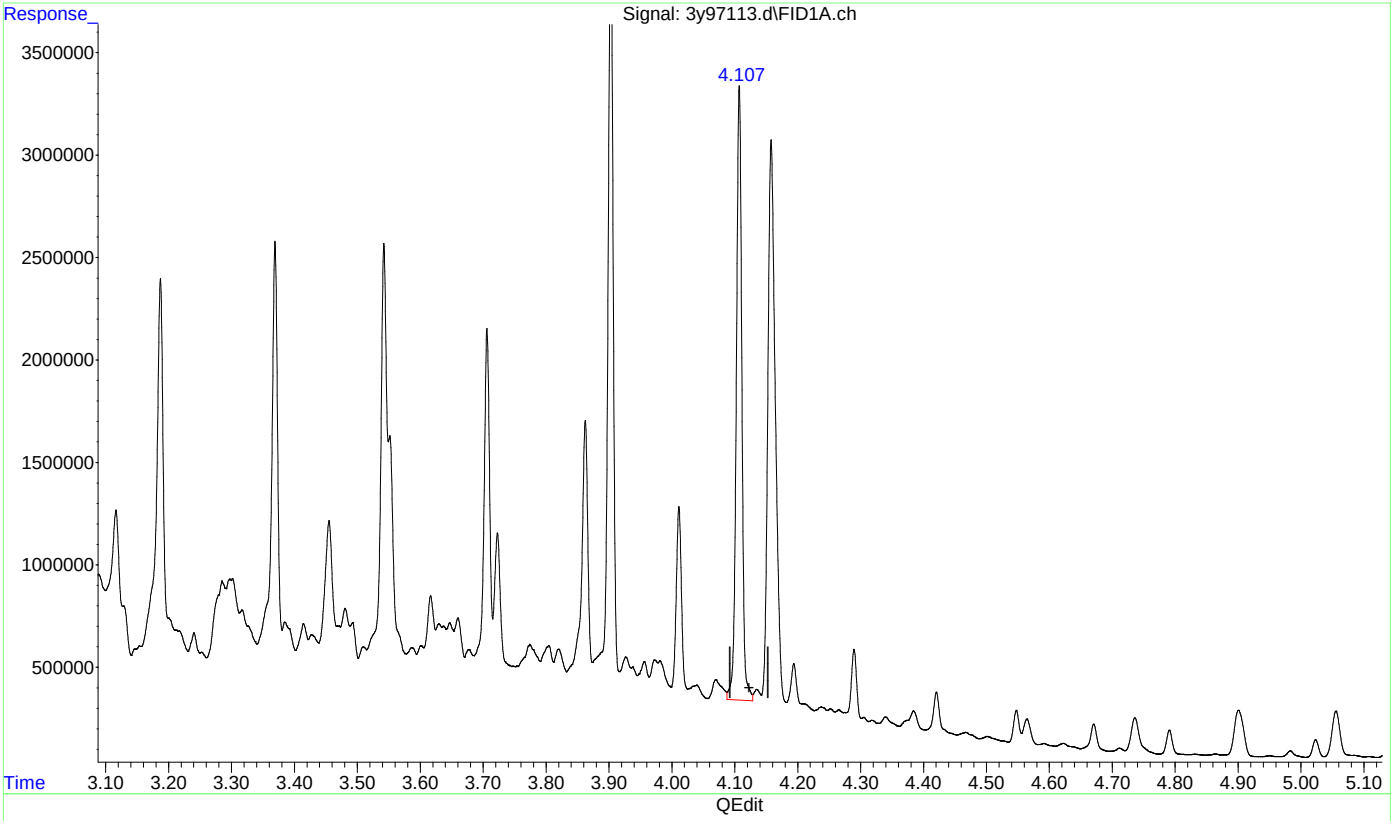
(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 17:15:00 2025

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97113.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 1:11 am
Operator : rebeccak
Sample : cc3745-20
Misc : op68257,g3y3747,55.0,,,2,1
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:05:50 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.107min 0.465 PPM

response 18432938

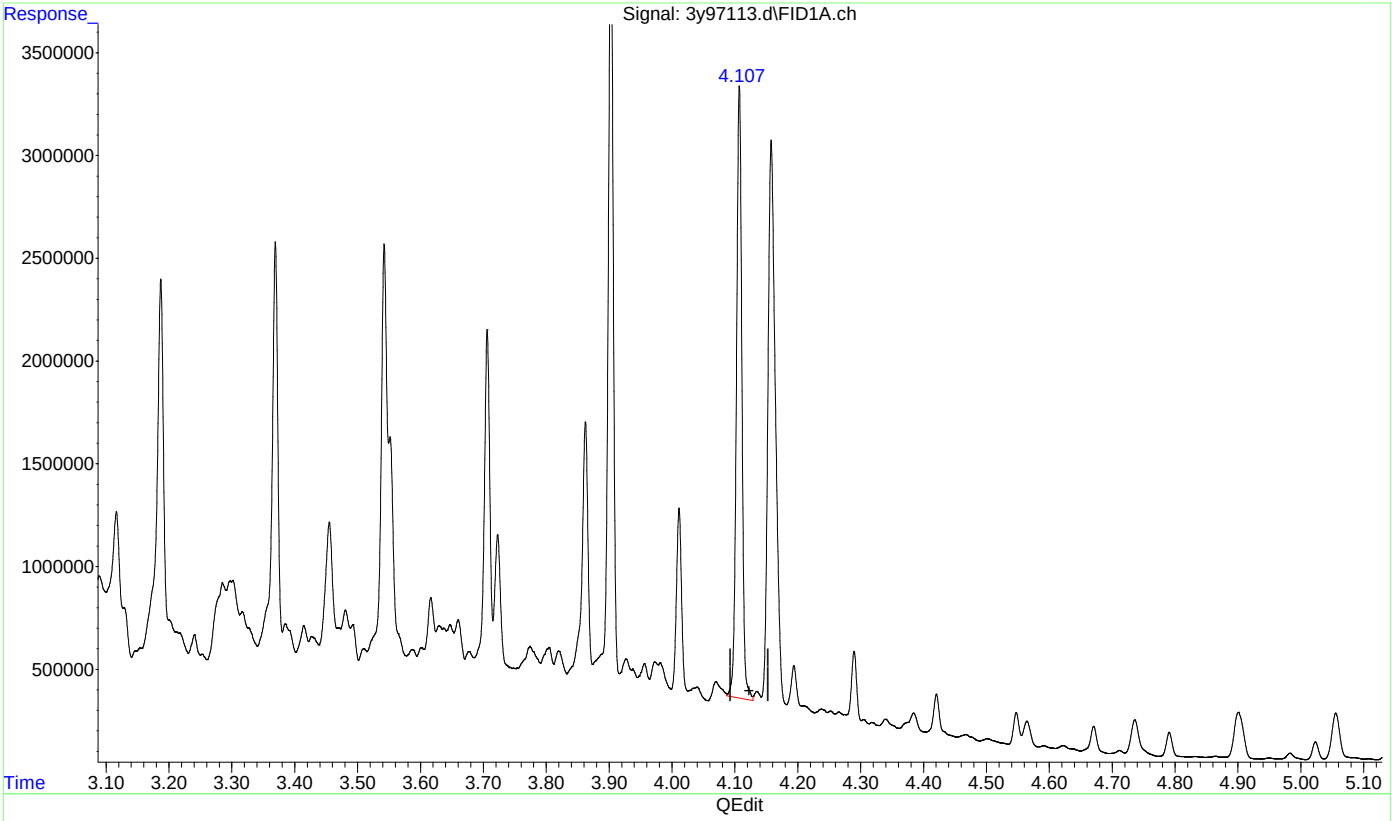
(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 17:15:04 2025

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97113.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 1:11 am
Operator : rebeccak
Sample : cc3745-20
Misc : op68257,g3y3747,55.0,,,2,1
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:05:50 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.107min 0.453 PPM m

response 17953858

13.4.13.5

13

(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 17:15:18 2025

Manual Integrations APPROVED
(compounds with "m" flag)
Rebecca Krug
10/20/25 21:13

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97124.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 4:48 am
Operator : rebeccak
Sample : cc3745-40
Misc : op68149,g3y3747,55.0,,,2,1
ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 17:30:46 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
6) S o-TERPHENYL	3.903	45552869	1.010	PPM	m
Spiked Amount 50.000		Recovery = 2.02%			
7) S 5a-ANDROSTANE	4.107f	39800088	1.004	PPM	m
Spiked Amount 50.000		Recovery = 2.01%			
Target Compounds					
1) H TPH-DRO	3.600	1645191356	47.826	PPM	

(f)=RT Delta > 1/2 Window (m)=manual int.

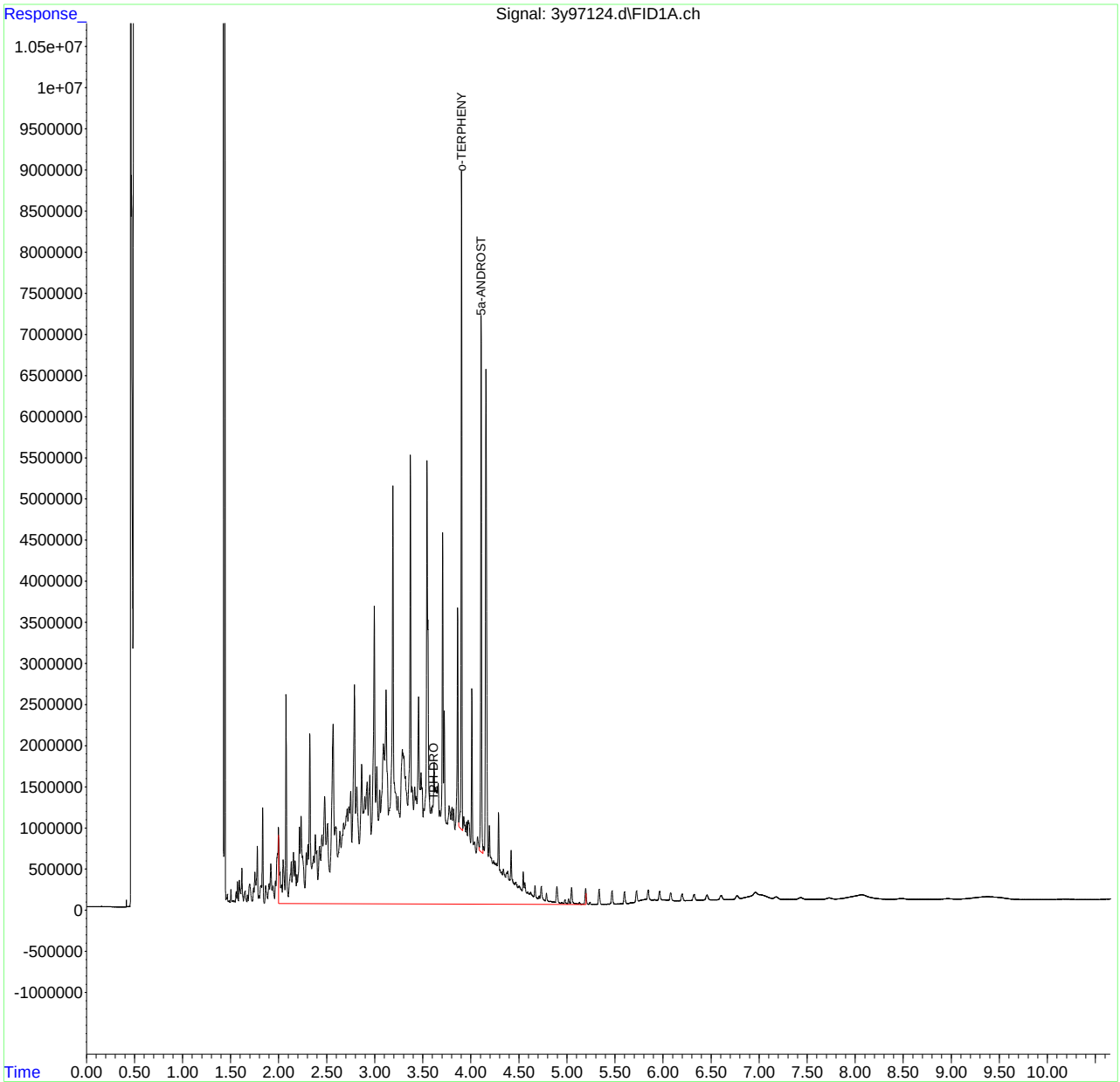
13.4.14
13

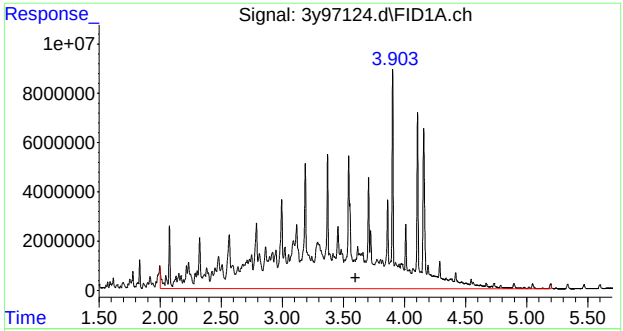
Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97124.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 4:48 am
Operator : rebeccak
Sample : cc3745-40
Misc : op68149,g3y3747,55.0,,,2,1
ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 17:30:46 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

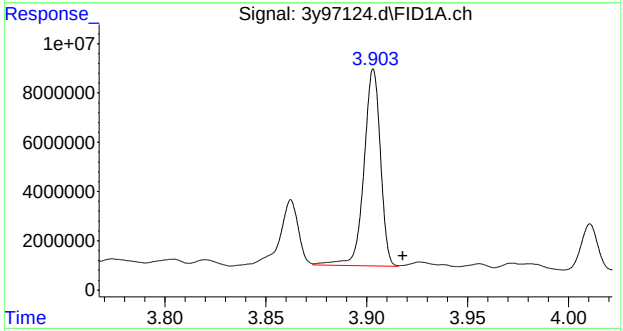
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





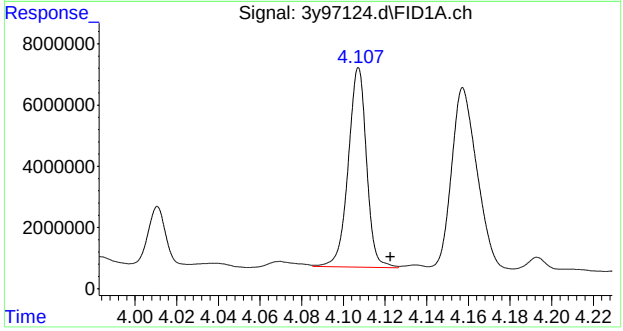
#1 TPH-DRO

R.T.:	3.600 min
Delta R.T.:	0.000 min
Response:	1645191356
Conc:	47.83 PPM



#6 o-TERPHENYL

R.T.:	3.903 min
Delta R.T.:	-0.015 min
Response:	45552869
Conc:	1.01 PPM m



#7 5a-ANDROSTANE

R.T.:	4.107 min
Delta R.T.:	-0.016 min
Response:	39800088
Conc:	1.00 PPM m

Manual Integration Approval Summary

Sample Number: G3Y3747-CC3745
Lab FileID: 3Y97124.D
Injection Time: 10/19/25 04:48
Method: SW846 8015D
Analyst approved: 10/20/25 15:45 Maria Benavides
Supervisor approved: 10/20/25 21:13 Rebecca Krug

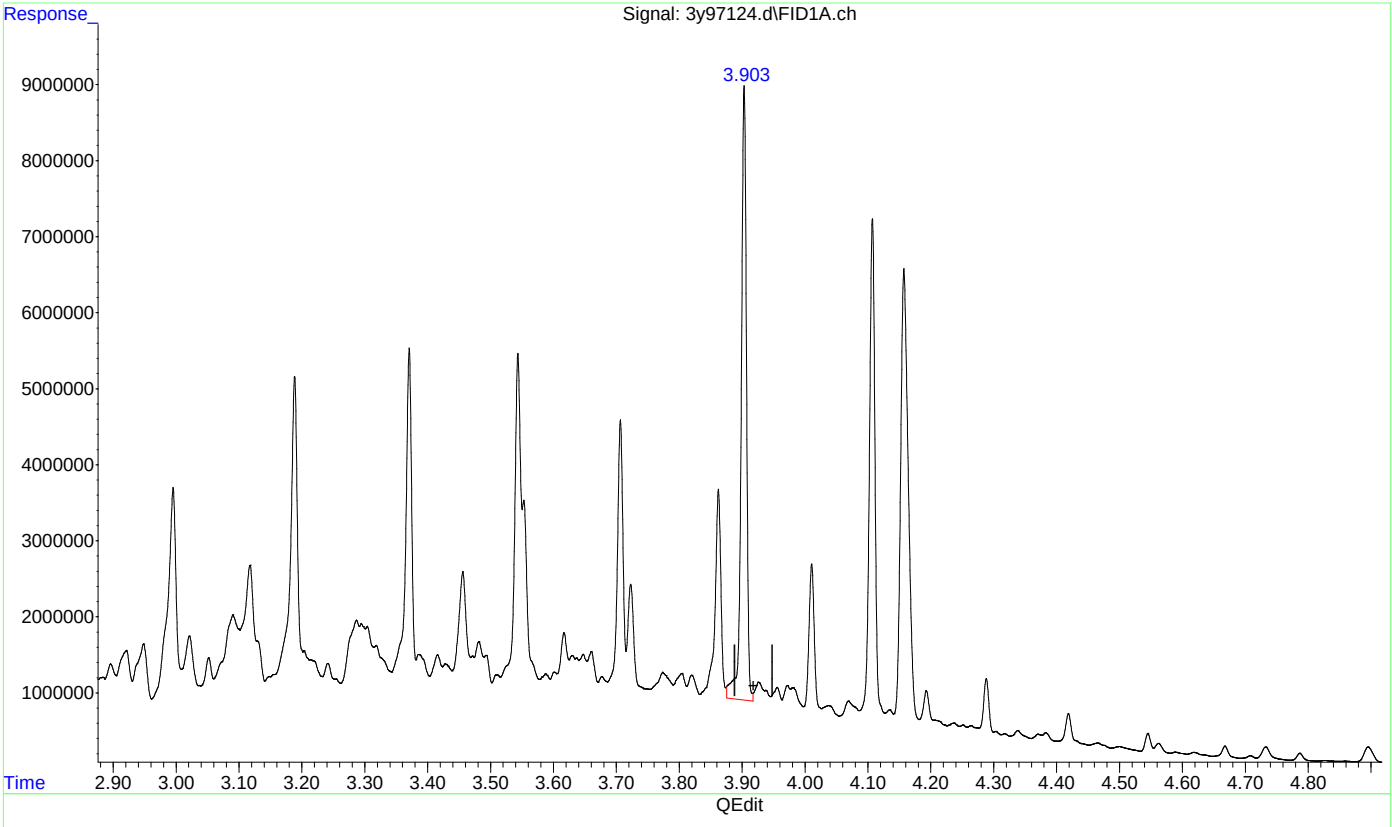
Parameter	CAS	Sig#	R.T. (min.)	Reason
o-Terphenyl	84-15-1	1	3.90	Poorly defined baseline
5a-Androstane	438-22-2	1	4.11	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97124.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 4:48 am
Operator : rebeccak
Sample : cc3745-40
Misc : op68149,g3y3747,55.0,,,2,1
ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:06:40 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.903min 1.052 PPM

response 47445996

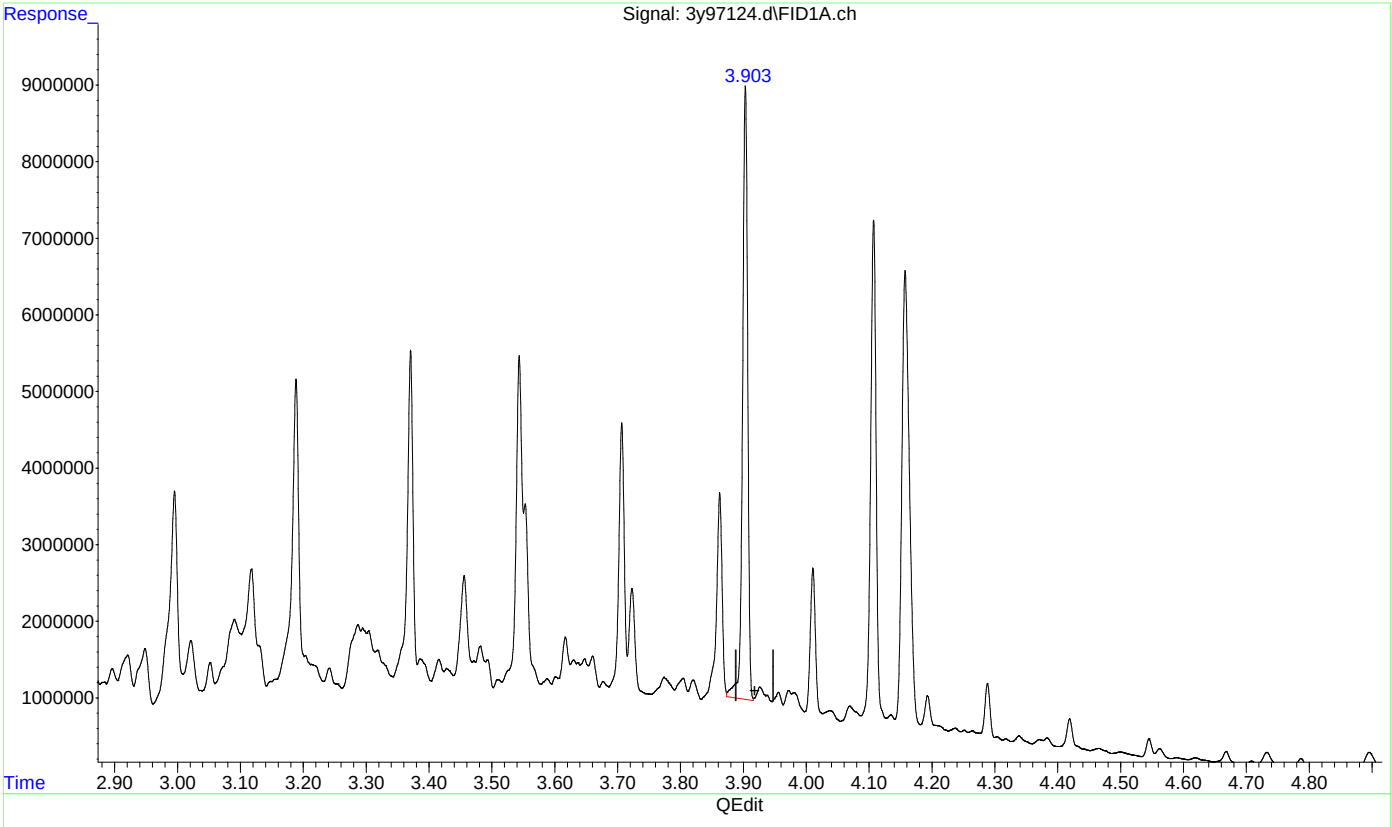
(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 17:29:39 2025

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97124.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 4:48 am
Operator : rebeccak
Sample : cc3745-40
Misc : op68149,g3y3747,55.0,,,2,1
ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:06:40 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.903min 1.010 PPM m

response 45552869

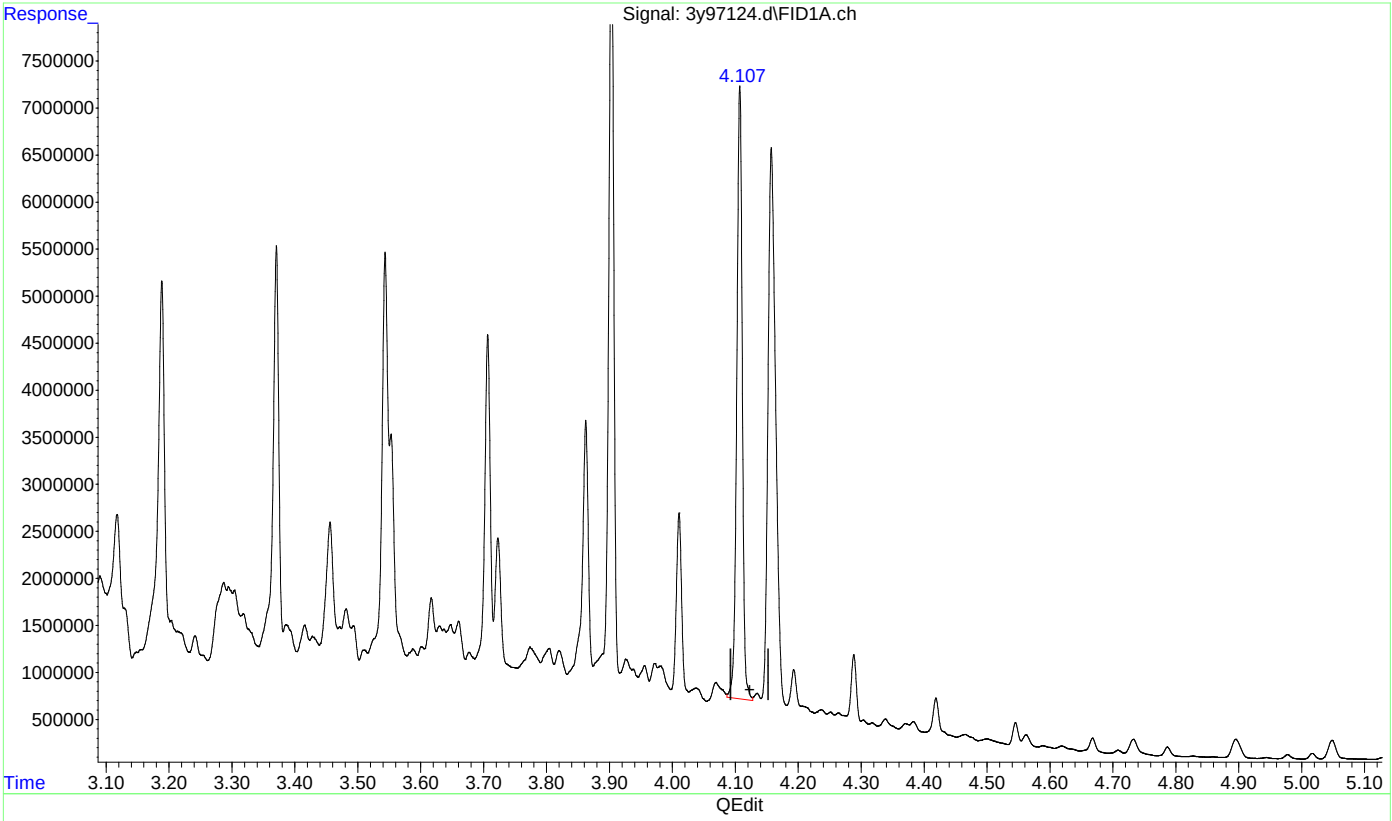
(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 17:30:19 2025

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97124.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 4:48 am
Operator : rebeccak
Sample : cc3745-40
Misc : op68149,g3y3747,55.0,,,2,1
ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:06:40 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.107min 0.997 PPM

response 39541004

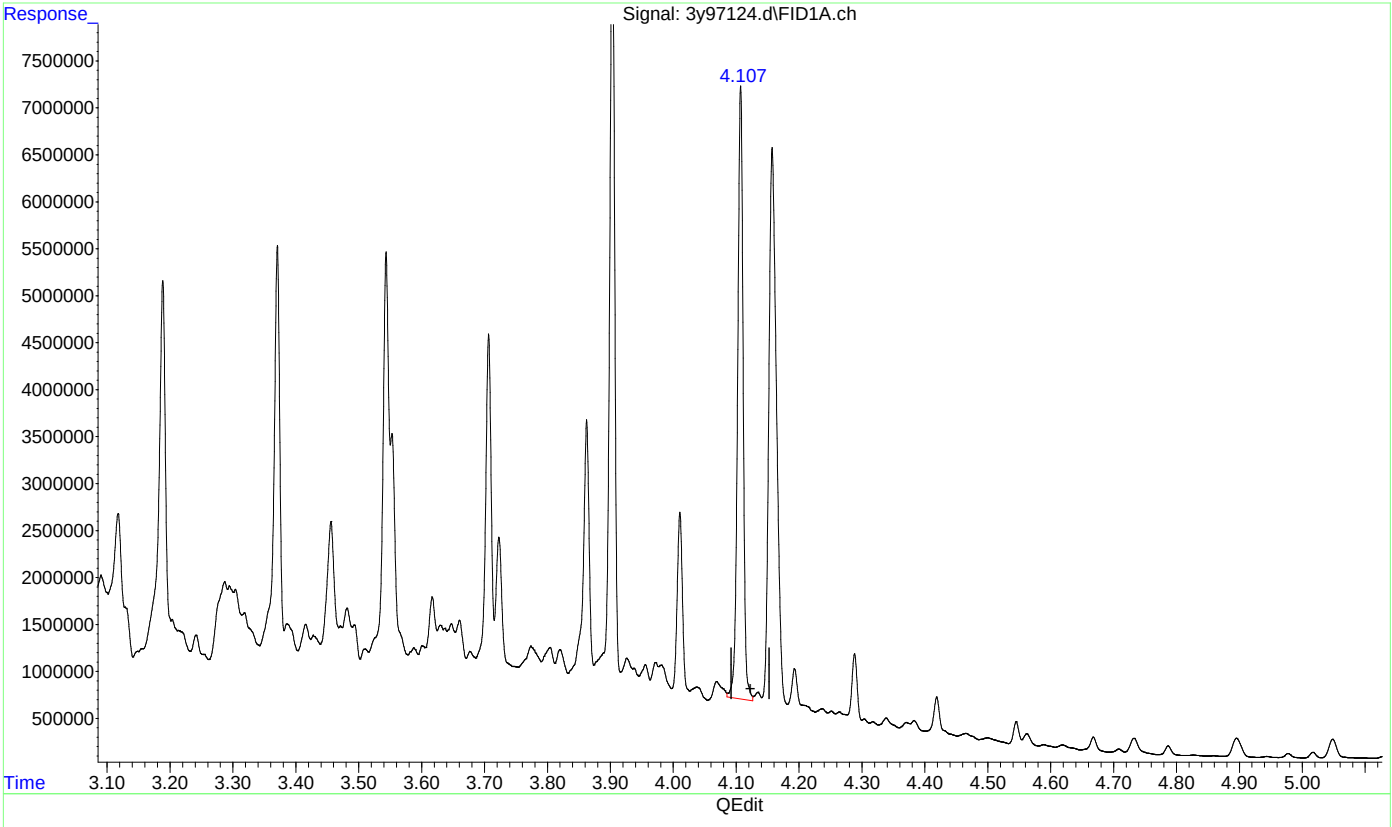
(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 17:30:35 2025

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97124.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 4:48 am
Operator : rebeccak
Sample : cc3745-40
Misc : op68149,g3y3747,55.0,,,2,1
ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:06:40 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.107min 1.004 PPM m

response 39800088

(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 17:30:49 2025

SGS

SEMIVOLATILE by GC ANALYSIS LOG

Date: 10/17/25

Standard Data

Lot#	Description	Concentration
SV25-170A	DRO Standard	20 ppm
SV25-170B	DRO Standard	40 ppm
SV25-148	RT Window	10 ppm
SV25-149	DRO LVI IB	50 ppm
254902	dcm (Fisher)	-
I1416471524	hexane (Supelco)	-

Standard data

Lot#	Description	Concentration
SV24-2992-129	DRO Stock	5000 ppm
SV24-2992-130	DRO Stock (No Surrogate)	2000 ppm
SV24-2992-31	DRO 2nd Source	1000 ppm

Batch ID: g3y3745

Analyst Name: Claudia Baydar

Columns: MXT-5

Method: DRO LVI

Initial Cal. Method: DROLVI3Y3741

Injection Volume: 25ul

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data file	OP Batch, Run ID, Vi,,,Vf, Dil.	SU	Status(data)	Comments
99	hex	3y97018	op68028,g3y3745,5.0,,,10,1		-	
1	ib	3y97019	op68028,g3y3745,5.0,,,10,1		ok	
2	rt	3y97020	op68028,g3y3745,5.0,,,10,1		ok	
131	ic3745-1	3y97021	op68028,g3y3745,5.0,,,10,1		not using	
132	ic3745-2	3y97022	op68028,g3y3745,5.0,,,10,1		ok	
133	ic3745-4	3y97023	op68028,g3y3745,5.0,,,10,1		ok	
134	ic3745-10	3y97024	op68028,g3y3745,5.0,,,10,1		ok	
135	ic3745-20	3y97025	op68028,g3y3745,5.0,,,10,1		ok	
136	ic3745-40	3y97026	op68028,g3y3745,5.0,,,10,1		ok	
137	ic3745-100	3y97027	op68028,g3y3745,5.0,,,10,1		ok	
138	ic3745-200	3y97028	op68028,g3y3745,5.0,,,10,1		ok	
139	ic3745-400	3y97029	op68028,g3y3745,5.0,,,10,1		ok	
140	ic3745-2000	3y97030	op68028,g3y3745,5.0,,,10,1		not using	
141	ic3745-5000	3y97031	op68028,g3y3745,5.0,,,10,1		not using	
142	icv3745-40	3y97032	op68028,g3y3745,5.0,,,10,1		not using	
99	hex	3y97033	op68028,g3y3745,5.0,,,10,1		-	
99	hex	3y97036	op68028,g3y3745,5.0,,,10,1		-	
131	ic3745-1	3y97037	op68028,g3y3745,5.0,,,10,1		ok	
99	hex	3y97038	op68028,g3y3745,5.0,,,10,1		-	
142	icv3745-40	3y97039	op68028,g3y3745,5.0,,,10,1		ok	
99	hex	3y97040	op68028,g3y3745,5.0,,,10,1		-	
99	hex	3y97041	op68028,g3y3745,5.0,,,10,1		-	

SEMIVOLATILE by GC ANALYSIS LOG

Date: 10/18/25

Standard Data

Lot#	Description	Concentration
SV25-170A	DRO Standard	20 ppm
SV25-170B	DRO Standard	40 ppm
SV25-148	RT Window	10 ppm
SV25-149	DRO LVI IB	50 ppm
254902	dcm (Fisher)	-
I1416471524	hexane (Supelco)	-

Standard data

Lot#	Description	Concentration
SV24-2992-129	DRO Stock	5000 ppm
SV24-2992-130	DRO Stock (No Surrogate)	2000 ppm
SV24-2992-31	DRO 2nd Source	1000 ppm

Batch ID: g3y3747

Analyst Name: Rebecca Krug

Columns: MXT-5

Method: DRO LVI

Initial Cal. Method: DROLVI3Y3745

Injection Volume: 25ul

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data file	OP Batch, Run ID, Vi,,,Vf, Dil.	SU	Status(data)	Comments
99	rinse	3y97077	op68028,g3y3747,5.0,,,10,1		-	
99	rinse	3y97078	op68028,g3y3747,5.0,,,10,1		-	
4	cc3745-40	3y97079	op68028,g3y3747,5.0,,,10,1		ok	
4	cc3745-40	3y97080	op68028,g3y3747,5.0,,,10,1		ok	
2	rt	3y97081	op68028,g3y3747,5.0,,,10,1		ok	
1	ib	3y97082	op68028,g3y3747,5.0,,,10,1		ok	
6	op68193-mb1	3y97083	op68193,g3y3747,51.4,,,2,1		ok	
7	op68193-bs1	3y97084	op68193,g3y3747,50.4,,,2,1		ok	
8	op68193-bsd	3y97085	op68193,g3y3747,51.4,,,2,1		ok	
9	je20971-1	3y97086	op68193,g3y3747,49.8,,,2,1		ok	
10	je20971-2	3y97087	op68193,g3y3747,51.3,,,2,1		ok	
11	je20971-3	3y97088	op68193,g3y3747,50.2,,,2,1		ok	
12	je21082-1	3y97089	op68193,g3y3747,51.2,,,2,1		ok	
99	rinse	3y97090	op68193,g3y3747,55.0,,,2,1		-	
3	cc3745-20	3y97091	op68193,g3y3747,55.0,,,2,1		ok	
1	ib	3y97092	op68193,g3y3747,55.0,,,2,1		ok	
13	je21081-1	3y97093	op68193,g3y3747,52.3,,,2,1		ok	
14	je20904-5	3y97094	op68193,g3y3747,51.4,,,2,1		ok	
15	je21021-1	3y97095	op68193,g3y3747,47.3,,,2,1		ok	
16	je21022-1	3y97096	op68193,g3y3747,51.6,,,2,1		ok	
17	je21023-1	3y97097	op68193,g3y3747,50.1,,,2,1		ok	
18	je21115-1	3y97098	op68193,g3y3747,51.1,,,2,1		ok	
19	op68257-mb1	3y97099	op68257,g3y3747,51.6,,,2,1		ok	
20	op68257-bs1	3y97100	op68257,g3y3747,51.3,,,2,1		ok	
99	rinse	3y97101	op68257,g3y3747,55.0,,,2,1		-	
4	cc3745-40	3y97102	op68257,g3y3747,55.0,,,2,1		ok	
1	ib	3y97103	op68257,g3y3747,55.0,,,2,1		ok	
21	op68257-bsd	3y97104	op68257,g3y3747,51.5,,,2,1		ok	
22	je21034-1	3y97105	op68257,g3y3747,47.2,,,2,1		ok	
23	je21034-6	3y97106	op68257,g3y3747,58.1,,,2,1		ok	
24	je21204-1	3y97107	op68257,g3y3747,47.5,,,2,1		ok	
25	je21233-1	3y97108	op68257,g3y3747,47.0,,,2,1		ok	
26	je21233-2	3y97109	op68257,g3y3747,47.7,,,2,1		ok	
27	je21233-3	3y97110	op68257,g3y3747,45.6,,,2,1		ok	
28	je21194-1	3y97111	op68257,g3y3747,47.2,,,2,1		ok	
99	rinse	3y97112	op68257,g3y3747,55.0,,,2,1		-	
3	cc3745-20	3y97113	op68257,g3y3747,55.0,,,2,1		ok	
1	ib	3y97114	op68257,g3y3747,55.0,,,2,1		ok	
29	op68257-mb2	3y97115	op68257,g3y3747,51.7,,,2,1		ok	
30	op68257-bs2	3y97116	op68257,g3y3747,51.2,,,2,1		ok	
31	op68257-bsd2	3y97117	op68257,g3y3747,50.8,,,2,1		ok	
32	je21034-1a	3y97118	op68257,g3y3747,47.9,,,2,1		ok	
33	je21034-6a	3y97119	op68257,g3y3747,45.9,,,2,1		ok	
34	je21194-1a	3y97120	op68257,g3y3747,47.6,,,2,1		ok	
35	op68149-mb3	3y97121	op68149,g3y3747,50.9,,,2,1		ok	
36	op68149-bs3	3y97122	op68149,g3y3747,51,,,2,1		ok	
99	rinse	3y97123	op68149,g3y3747,55.0,,,2,1		-	
4	cc3745-40	3y97124	op68149,g3y3747,55.0,,,2,1		ok	
1	ib	3y97125	op68149,g3y3747,55.0,,,2,1		ok	
37	op68149-ms	3y97126	op68149,g3y3747,55.0,,,2,1		ok	
38	op68149-msd	3y97127	op68149,g3y3747,55.0,,,2,1		ok	
39	op68149-mb4	3y97128	op68149,g3y3747,55.0,,,2,1		ok	
40	op68149-bs4	3y97129	op68149,g3y3747,55.0,,,2,1		ok	
41	op68149-ms2	3y97130	op68149,g3y3747,55.0,,,2,1		ok	
42	op68149-msd2	3y97131	op68149,g3y3747,55.0,,,2,1		ok	
99	rinse	3y97132	op68149,g3y3747,55.0,,,2,1		ok	
3	cc3745-20	3y97133	op68149,g3y3747,55.0,,,2,1		ok	

SEMIVOLATILE by GC ANALYSIS LOG

Date: 10/18/25

Standard Data

Lot#	Description	Concentration
SV25-170A	DRO Standard	20 ppm
SV25-170B	DRO Standard	40 ppm
SV25-148	RT Window	10 ppm
SV25-149	DRO LVI IB	50 ppm
254902	dcm (Fisher)	-
I1416471524	hexane (Supelco)	-

Standard data

Lot#	Description	Concentration
SV24-2992-129	DRO Stock	5000 ppm
SV24-2992-130	DRO Stock (No Surrogate)	2000 ppm
SV24-2992-31	DRO 2nd Source	1000 ppm

Batch ID: g3y3747

Analyst Name: Rebecca Krug

Columns: MXT-5

Method: DRO LVI

Initial Cal. Method: DROLVI3Y3745

Injection Volume: 25ul

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data file	OP Batch, Run ID, Vi,,,Vf, Dil.	SU	Status(data)	Comments
1	ib	3y97134	op68149,g3y3747,55.0,,,2,1		ok	
99	rinse	3y97135	op68149,g3y3747,55.0,,,2,1		-	
99	rinse	3y97136	op68149,g3y3747,55.0,,,2,1		-	
99	rinse	3y97137	op68149,g3y3747,55.0,,,2,1		-	
99	rinse	3y97138	op68149,g3y3747,55.0,,,2,1		-	
99	rinse	3y97139	op68149,g3y3747,55.0,,,2,1		-	
99	rinse	3y97140	op68149,g3y3747,55.0,,,2,1		-	
99	rinse	3y97141	op68149,g3y3747,55.0,,,2,1		-	
99	rinse	3y97142	op68149,g3y3747,55.0,,,2,1		-	
99	rinse	3y97143	op68149,g3y3747,55.0,,,2,1		-	
99	rinse	3y97144	op68149,g3y3747,55.0,,,2,1		-	
99	rinse	3y97145	op68149,g3y3747,55.0,,,2,1		-	
99	rinse	3y97146	op68149,g3y3747,55.0,,,2,1		-	
99	rinse	3y97147	op68149,g3y3747,55.0,,,2,1		-	
99	rinse	3y97148	op68149,g3y3747,55.0,,,2,1		-	
99	rinse	3y97149	op68149,g3y3747,55.0,,,2,1		-	
99	rinse	3y97150	op68149,g3y3747,55.0,,,2,1		-	
99	rinse	3y97151	op68149,g3y3747,55.0,,,2,1		-	
99	rinse	3y97152	op68149,g3y3747,55.0,,,2,1		-	

3511 Extraction Log - Aqueous

Date Started: 10/17/25 Time Started: 15:00
Date Finished: 10/17/25 Time Finished: 15:45
Balance ID: B-118 Analytical Method: DRO
60ml Vial LOT#: 041125-3ALD

		Bottle#	Initial Weight, g	Final Weight, g	Sample Weight by Difference*	Surrogate Vol.(ul)	NaCl(g)	Spike Vol.(ul)	Centrifuge (5min) Start Time	Centrifuge (5min) Stop Time	Final Vol.(ml)	pH	Copper Cleanup	Comments
MB	DRO		89.2	37.6	51.6		7				2	1		
BS			89.3	38.0	51.3	50	7	100			2	1		
BSD			89.4	37.9	51.5	50	7	100			2	1		
~~MS~~														
~~MSD~~														
1	JE21034-1		89.2	42.0	47.2	50	7				2	1		
2	-6		89.1	38.0	51.1	50	7				2	1		
3	JE21204-1		89.3	41.8	47.5	50	7				2	1		
4	JE21233-1		88.8	41.8	47.0	50	7				2	1		
5	-2		89.6	~~37.6~~ 41.9	47.7	50	7				2	1		
6	-3		87.3	41.7	45.6	50	7				2	1		
7	JE21194-1		89.3	42.1	47.2	50	7				2	1		
8	MB2		89.7	38.0	51.7	50	7				2	1		Silica Gel Clean up
9	BS2		89.6	38.4	51.2	50	7				2	1		
10	BSD2		89.4	38.6	50.8	50	7				2	1		
11	JE21034-1A		89.3	41.4	47.9	50	7				2	1		
12	-6A		88.2	42.3	45.9	50	7				2	1		
13	JE21194-1A		89.0	41.4	47.6	50	7				2	1		
14														
15														
16														
17														
18														
19														
20														

QC Samples (MS, MSD, LINK and/or DUP, Link) Confirmed by:

*(Initial weight)-(final weight)=Sample Wt. by diffrence

BATCH # GC OP68257	RACK# FID 75
Set-up by: BA	
Extracted by: BA	
Final Vol. Top-up:	
Vialed by: BA	
Vial Labels verified by:	
Supervisor Review: BA 10/17/25	

SURROGATE	LOT #	CONC (ppb)	AMT (mL)
DRO	SV24-2992-70	100	50ml

WITNESS SIGN: ED SPIKE SIGN: BA

MATRIX SPIKE	LOT #	CONC	AMT (mL)
DRO	SV24-2992-49	1000	100ml

WITNESS SIGN: ED SPIKE SIGN: BA

SOLVENT	LOT #	BRAND	AMT (mL)
METH CHLOR			
HEXANE	114647524	SupraSolv	2.0

REAGENT	LOT #	BAKE BATCH #	BRAND
Sodium Chloride	242981	9/10/25	Fisher
Filter Paper			
Chlorine Strips			
VIAL LOT#	241220B5		Fisher
Copper Cleanup			
Silica Gel	A0434361		Fisher

SGS Form: OP065-04
Rev.Date:8/13/2025

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries
- IDL and Linear Range Summaries

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102125M1.ICP Date Analyzed: 10/21/25 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA59588
Parameters: Fe,Mn

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:46	MA59588-STD1	1		STDA
08:51	MA59588-STD2	1		STDB
08:56	MA59588-ICV1	1		
09:03	MA59588-ICV2	1		
09:07	MA59588-ICB1	1		
09:13	MA59588-ICV3	1		
09:19	MA59588-ICB2	1		
09:24	MA59588-ICCV1	1		
09:29	MA59588-CCB1	1		
09:34	MA59588-CRI1	1		
09:39	MA59588-CRID1	1		
09:44	MA59588-ICSA1	1		
09:49	MA59588-ICSAB1	1		
09:54	MA59588-HSTD1	1		
10:00	MA59588-HSTD2	1		
10:05	ZZZZZZ	1		
10:10	ZZZZZZ	1		
10:16	ZZZZZZ	1		
10:21	ZZZZZZ	1		
10:26	ZZZZZZ	1		
10:31	ZZZZZZ	1		
10:36	MA59588-CCV1	1		
10:40	MA59588-CCB2	1		
10:45	MA59588-CRI2	1		
10:50	MP58034-MB1	1		bad reading for Pb
10:55	MP58085-MB1	1		bad reading for AS
11:00	MP58085-B1	1		
11:05	MP58104-LS1	1		
11:09	MP58085-S1	1		Na high. PB neg
11:14	MP58085-S2	1		Na high. PB neg
11:19	JE21317-1	1		(sample used for QC only; not part of login JE21034)
11:24	MP58085-SD1	5		Na high. rerun also 1;5 missed cup
11:29	JE21034-1	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102125M1.ICP Date Analyzed: 10/21/25 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA59588
Parameters: Fe,Mn

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:34	MA59588-CCV2	1		
11:38	MA59588-CCB3	1		
11:43	JE21034-6	1		Y saturation
----------->	Last reportable sample/prep for job JE21034			
11:48	ZZZZZZ	1		
11:54	ZZZZZZ	1		
11:59	ZZZZZZ	1		
12:04	ZZZZZZ	1		
12:09	ZZZZZZ	1		
12:14	ZZZZZZ	1		
12:19	ZZZZZZ	1		
12:23	ZZZZZZ	1		
12:28	ZZZZZZ	1		
12:33	MA59588-CCV3	1		
12:38	MA59588-CCB4	1		
----------->	Last reportable CCB for job JE21034			
12:43	ZZZZZZ	1		
12:48	ZZZZZZ	1		
12:53	ZZZZZZ	1		
12:58	ZZZZZZ	1		
13:03	ZZZZZZ	1		
13:08	MP58034-S1	5		
13:12	MP58034-S2	5		
13:17	JE21222-1	5		(sample used for QC only; not part of login JE21034)
13:22	MP58034-SD1	25		
13:27	ZZZZZZ	5		
13:32	MA59588-CCV4	1		
13:36	MA59588-CCB5	1		
13:41	MP58101-MB1	1		
13:46	MP58101-LB1	1		
13:51	MP58101-B1	1		
13:56	MP58101-LS1	1		
14:00	MP58101-S1	1		
14:05	MP58101-S2	1		
14:10	JE21235-1A	1		(sample used for QC only; not part of login JE21034)

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102125M1.ICP Date Analyzed: 10/21/25 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA59588
Parameters: Fe,Mn

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:15	MP58101-SD1	5		
14:20	MP58071-S1	2		
14:24	MP58071-S2	2		
14:29	MA59588-CCV5	1		
14:34	MA59588-CCB6	1		
14:38	MP58104-LS1	1		
14:43	MP58104-S1	1		
14:48	MP58104-S2	1		
14:53	JE21269-5	1		(sample used for QC only; not part of login JE21034)
14:58	MP58104-SD1	5		
15:03	ZZZZZZ	1		
15:08	ZZZZZZ	1		
15:13	MP58087-S1	1		
15:18	MP58087-S2	1		
15:23	ZZZZZZ	20		
15:28	MA59588-CCV6	1		
15:32	MA59588-CCB7	1		
15:37	ZZZZZZ	5		
15:42	ZZZZZZ	1		
15:47	ZZZZZZ	1		
15:52	ZZZZZZ	1		
15:57	ZZZZZZ	1		
16:02	ZZZZZZ	1		
16:06	ZZZZZZ	1		
16:11	MA59588-CCV7	1		
16:16	MA59588-CCB8	1		
16:20	MP58128-MB1	1		
16:25	MP58128-LB1	1		
16:30	MP58128-LB2	1		
16:35	MP58128-B1	1		
16:40	MP58128-LS1	1		
16:45	MP58128-LS2	1		
16:49	MP58128-S1	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102125M1.ICP Date Analyzed: 10/21/25 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA59588
Parameters: Fe,Mn

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:54	MP58128-S2	1		
16:59	JE21397-10A	1		(sample used for QC only; not part of login JE21034)
17:04	MP58128-SD1	5		
17:09	MA59588-CCV8	1		
17:14	MA59588-CCB9	1		
17:19	ZZZZZZ	1		
17:24	ZZZZZZ	1		
17:29	ZZZZZZ	1		
17:34	ZZZZZZ	1		
17:39	ZZZZZZ	1		
17:44	ZZZZZZ	1		
17:49	ZZZZZZ	1		
17:55	MA59588-CCV9	1		
17:59	MA59588-CCB10	1		

Refer to raw data for calibration curve and standards.

REPORTED ELEMENTS SUMMARY

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102125M1.ICP Date Analyzed: 10/21/25 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA59588
Parameters: Fe,Mn

Time	Sample Description	Element: Dilution	F e	M n	
08:56	MA59588-ICV1	1			
09:03	MA59588-ICV2	1			
09:07	MA59588-ICB1	1			
09:13	MA59588-ICV3	1	X	X	
09:19	MA59588-ICB2	1	X	X	
09:24	MA59588-ICCV1	1	X	X	
09:29	MA59588-CCB1	1	X	X	
09:34	MA59588-CRI1	1			
09:39	MA59588-CRID1	1	X	X	
09:44	MA59588-ICSA1	1	X	X	
09:49	MA59588-ICSAB1	1	X	X	
09:54	MA59588-HSTD1	1	X	X	
10:00	MA59588-HSTD2	1	X	X	
10:05	ZZZZZZ	1			
10:10	ZZZZZZ	1			
10:16	ZZZZZZ	1			
10:21	ZZZZZZ	1			
10:26	ZZZZZZ	1			
10:31	ZZZZZZ	1			
10:36	MA59588-CCV1	1	X	X	
10:40	MA59588-CCB2	1	X	X	
10:45	MA59588-CRI2	1	X	X	
10:50	MP58034-MB1	1			
10:55	MP58085-MB1	1	X	X	
11:00	MP58085-B1	1	X	X	
11:05	MP58104-LS1	1			
11:09	MP58085-S1	1	X	X	
11:14	MP58085-S2	1	X	X	
11:19	JE21317-1	1			(a)
11:24	MP58085-SD1	5	Na high. rerun also 1;5 missed cup		
11:29	JE21034-1	1	X	X	
11:34	MA59588-CCV2	1	X	X	
11:38	MA59588-CCB3	1	X	X	
		Element:	F e	M n	

REPORTED ELEMENTS SUMMARY

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102125M1.ICP Date Analyzed: 10/21/25 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA59588
Parameters: Fe,Mn

Time	Sample Description	Element: Dilution	Fe	Mn	
11:43	JE21034-6	1	X		
11:48	ZZZZZZ	1			
11:54	ZZZZZZ	1			
11:59	ZZZZZZ	1			
12:04	ZZZZZZ	1			
12:09	ZZZZZZ	1			
12:14	ZZZZZZ	1			
12:19	ZZZZZZ	1			
12:23	ZZZZZZ	1			
12:28	ZZZZZZ	1			
12:33	MA59588-CCV3	1	X	X	
12:38	MA59588-CCB4	1	X	X	
12:43	ZZZZZZ	1			
12:48	ZZZZZZ	1			
12:53	ZZZZZZ	1			
12:58	ZZZZZZ	1			
13:03	ZZZZZZ	1			
13:08	MP58034-S1	5			
13:12	MP58034-S2	5			
13:17	JE21222-1	5			(a)
13:22	MP58034-SD1	25			
13:27	ZZZZZZ	5			
13:32	MA59588-CCV4	1	X	X	
13:36	MA59588-CCB5	1	X	X	
13:41	MP58101-MB1	1			
13:46	MP58101-LB1	1			
13:51	MP58101-B1	1			
13:56	MP58101-LS1	1			
14:00	MP58101-S1	1			
14:05	MP58101-S2	1			
14:10	JE21235-1A	1			(a)
14:15	MP58101-SD1	5			
14:20	MP58071-S1	2	X		
		Element:	Fe	Mn	

REPORTED ELEMENTS SUMMARY

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102125M1.ICP Date Analyzed: 10/21/25 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA59588
Parameters: Fe,Mn

Time	Sample Description	Element: Dilution	Fe	Mn	
14:24	MP58071-S2	2	X		
14:29	MA59588-CCV5	1	X	X	
14:34	MA59588-CCB6	1	X	X	
14:38	MP58104-LS1	1			
14:43	MP58104-S1	1			
14:48	MP58104-S2	1			
14:53	JE21269-5	1			(a)
14:58	MP58104-SD1	5			
15:03	ZZZZZZ	1			
15:08	ZZZZZZ	1			
15:13	MP58087-S1	1	X		
15:18	MP58087-S2	1	X		
15:23	ZZZZZZ	20			
15:28	MA59588-CCV6	1	X	X	
15:32	MA59588-CCB7	1	X	X	
15:37	ZZZZZZ	5			
15:42	ZZZZZZ	1			
15:47	ZZZZZZ	1			
15:52	ZZZZZZ	1			
15:57	ZZZZZZ	1			
16:02	ZZZZZZ	1			
16:06	ZZZZZZ	1			
16:11	MA59588-CCV7	1	X	X	
16:16	MA59588-CCB8	1	X	X	
16:20	MP58128-MB1	1			
16:25	MP58128-LB1	1			
16:30	MP58128-LB2	1			
16:35	MP58128-B1	1			
16:40	MP58128-LS1	1			
16:45	MP58128-LS2	1			
16:49	MP58128-S1	1			
16:54	MP58128-S2	1			
16:59	JE21397-10A	1			(a)
		Element:	Fe	Mn	

REPORTED ELEMENTS SUMMARY

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102125M1.ICP Date Analyzed: 10/21/25 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA59588
Parameters: Fe,Mn

Time	Sample Description	Element: Dilution	F e	M n
17:04	MP58128-SD1	5		
17:09	MA59588-CCV8	1	X	X
17:14	MA59588-CCB9	1	X	X
17:19	ZZZZZZ	1		
17:24	ZZZZZZ	1		
17:29	ZZZZZZ	1		
17:34	ZZZZZZ	1		
17:39	ZZZZZZ	1		
17:44	ZZZZZZ	1		
17:49	ZZZZZZ	1		
17:55	MA59588-CCV9	1	X	X
17:59	MA59588-CCB10	1	X	X

(a) Sample used for QC only; not part of login JE21034.

Element:	F e	M n

INTERNAL STANDARD SUMMARY

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102125M1.ICP Date Analyzed: 10/21/25 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA59588
Parameters: Fe,Mn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
08:46	MA59588-STD1	3297 R	108930 R	17485 R	6455 R
08:51	MA59588-STD2	3202	108670	17280	6376
08:56	MA59588-ICV1	No results reported for the elements associated with this internal standard.			
09:03	MA59588-ICV2	No results reported for the elements associated with this internal standard.			
09:07	MA59588-ICB1	No results reported for the elements associated with this internal standard.			
09:13	MA59588-ICV3	3227	109470	17913	6381
09:19	MA59588-ICB2	3267	109480	17574	6396
09:24	MA59588-ICCV1	3227	109080	17586	6398
09:29	MA59588-CCB1	3269	109000	17513	6408
09:34	MA59588-CRI1	No results reported for the elements associated with this internal standard.			
09:39	MA59588-CRID1	3260	109000	17497	6393
09:44	MA59588-ICSA1	3049	105480	17366	6009
09:49	MA59588-ICSAB1	3068	105220	17403	6053
09:54	MA59588-HSTD1	3228	109770	17655	6516
10:00	MA59588-HSTD2	3076	105940	17251	6073
10:05	ZZZZZZ	10895 !	329740 !	35077 !	20011 !
10:10	ZZZZZZ	10947 !	330760 !	34975 !	20110 !
10:16	ZZZZZZ	3223	108450	17534	6501
10:21	ZZZZZZ	3394	109500	18817	6378
10:26	ZZZZZZ	3100	107350	16913	6142
10:31	ZZZZZZ	3245	108710	17550	6347
10:36	MA59588-CCV1	3195	108260	17493	6328
10:40	MA59588-CCB2	3242	108670	17543	6344
10:45	MA59588-CRI2	3228	108930	17564	6335
10:50	MP58034-MB1	3223	108730	17954	6320
10:55	MP58085-MB1	3231	109110	17433	6331
11:00	MP58085-B1	3215	108970	17972	6387
11:05	MP58104-LS1	999999 !	108860	17707	999999 !
11:09	MP58085-S1	3156	109260	17644	6209
11:14	MP58085-S2	3144	109720	17878	6196
11:19	JE21317-1	3151	109100	17664	6186
11:24	MP58085-SD1	No results reported for the elements associated with this internal standard.			
11:29	JE21034-1	3037	107860	17669	5947

INTERNAL STANDARD SUMMARY

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102125M1.ICP Date Analyzed: 10/21/25 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA59588
Parameters: Fe,Mn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:34	MA59588-CCV2	3160	108900	17745	6245
11:38	MA59588-CCB3	3193	109400	17734	6248
11:43	JE21034-6	3051	999999 !	17511	5996
11:48	ZZZZZZ	2967	108370	17525	5896
11:54	ZZZZZZ	2982	107860	17461	5923
11:59	ZZZZZZ	3186	110980	18320	6271
12:04	ZZZZZZ	3177	110510	18149	6277
12:09	ZZZZZZ	3150	108520	17721	6181
12:14	ZZZZZZ	3135	110110	17876	6168
12:19	ZZZZZZ	3155	110650	18229	6245
12:23	ZZZZZZ	3128	111280	18086	6173
12:28	ZZZZZZ	3118	111020	18011	6139
12:33	MA59588-CCV3	3154	110330	18063	6252
12:38	MA59588-CCB4	3183	111470	18438	6238
12:43	ZZZZZZ	3117	111330	17959	6145
12:48	ZZZZZZ	3080	112040	17878	6026
12:53	ZZZZZZ	3014	108850	17955	5788
12:58	ZZZZZZ	2996	108650	17567	5831
13:03	ZZZZZZ	3121	110270	18668	6189
13:08	MP58034-S1	3112	111400	18349	6179
13:12	MP58034-S2	3121	111360	18273	6197
13:17	JE21222-1	3142	112630	18453	6227
13:22	MP58034-SD1	3164	110980	18188	6252
13:27	ZZZZZZ	3149	109320	17805	6226
13:32	MA59588-CCV4	3150	108320	17788	6280
13:36	MA59588-CCB5	3199	108420	17735	6305
13:41	MP58101-MB1	3193	108340	18226	6286
13:46	MP58101-LB1	3155	108700	18060	6234
13:51	MP58101-B1	3156	110380	18514	6313
13:56	MP58101-LS1	3153	112050	18596	6311
14:00	MP58101-S1	3033	110650	18258	6031
14:05	MP58101-S2	3006	110410	18390	5979
14:10	JE21235-1A	3070	111860	18279	6067

INTERNAL STANDARD SUMMARY

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102125M1.ICP Date Analyzed: 10/21/25 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA59588
Parameters: Fe,Mn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:15	MP58101-SD1	3168	111620	18227	6310
14:20	MP58071-S1	3187	112310	18594	6316
14:24	MP58071-S2	3148	109880	18557	6222
14:29	MA59588-CCV5	3160	108280	17915	6325
14:34	MA59588-CCB6	3217	108380	17918	6358
14:38	MP58104-LS1	3157	999999 !	17861	6314
14:43	MP58104-S1	3120	105590	17755	5959
14:48	MP58104-S2	3092	108910	17890	5899
14:53	JE21269-5	3102	109160	18005	5945
14:58	MP58104-SD1	3198	112470	18394	6331
15:03	ZZZZZZ	3089	111030	18332	5956
15:08	ZZZZZZ	3099	111500	18634	5965
15:13	MP58087-S1	2982	111450	19127	5976
15:18	MP58087-S2	3045	110830	18758	6081
15:23	ZZZZZZ	3175	111610	18491	6341
15:28	MA59588-CCV6	3172	110020	18293	6379
15:32	MA59588-CCB7	3221	110260	18349	6407
15:37	ZZZZZZ	3191	109900	18438	6359
15:42	ZZZZZZ	3302	116100	19370	6565
15:47	ZZZZZZ	3315	114270	19051	6573
15:52	ZZZZZZ	3250	110730	18645	6424
15:57	ZZZZZZ	3323	114250	18993	6621
16:02	ZZZZZZ	3325	113870	19011	6533
16:06	ZZZZZZ	3374	116320	19203	6518
16:11	MA59588-CCV7	3155	110930	18533	6324
16:16	MA59588-CCB8	3225	112650	18624	6392
16:20	MP58128-MB1	3266	113380	19044	6468
16:25	MP58128-LB1	3102	110850	18354	5995
16:30	MP58128-LB2	3247	111630	18875	6504
16:35	MP58128-B1	3185	111050	18377	6424
16:40	MP58128-LS1	3093	108040	18223	5957
16:45	MP58128-LS2	3170	109630	18489	6455
16:49	MP58128-S1	3057	108410	18008	5979

INTERNAL STANDARD SUMMARY

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102125M1.ICP Date Analyzed: 10/21/25 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA59588
Parameters: Fe,Mn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
16:54	MP58128-S2	3070	109480	18293	6006
16:59	JE21397-10A	3066	106910	17892	5987
17:04	MP58128-SD1	3211	110340	17994	6420
17:09	MA59588-CCV8	3212	110270	18407	6468
17:14	MA59588-CCB9	3254	110790	18461	6486
17:19	ZZZZZZ	2907	106420	17779	5838
17:24	ZZZZZZ	2780	97999	16874	5016
17:29	ZZZZZZ	3080	109590	999999 !	5932
17:34	ZZZZZZ	999999 !	108160	17806	999999 !
17:39	ZZZZZZ	2922	106060	17473	5659
17:44	ZZZZZZ	3054	108190	17838	5885
17:49	ZZZZZZ	2910	105510	17300	5655
17:55	MA59588-CCV9	3200	110620	18324	6437
17:59	MA59588-CCB10	3256	110400	18257	6481

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	70-130 %
Istd#2	Yttrium (3600)	70-130 %
Istd#3	Yttrium (3710)	70-130 %
Istd#4	Indium	70-130 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102125M1.ICP Date Analyzed: 10/21/25 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA59588 Units: ug/l

Time: / Sample ID:			09:19 ICB2		09:29 CCB1		10:40 CCB2		11:38 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	17	anr							
Antimony	6.0	1.7	anr							
Arsenic	3.0	2.1	anr							
Barium	200	.8	anr							
Beryllium	1.0	.3	anr							
Bismuth	20	2.3								
Boron	100	2.3								
Cadmium	3.0	.3	anr							
Calcium	5000	6.6	anr							
Cerium	100									
Chromium	10	.3	anr							
Cobalt	50	.4	anr							
Copper	10	.8	anr							
Iron	100	5.3	6.30	<100	14.7	<100	21.2	<100	8.70	<100
Lead	3.0	1.1	anr							
Lithium	50	4.8								
Magnesium	5000	32	anr							
Manganese	15	.1	0.300	<15	0.700	<15	0.800	<15	0.500	<15
Molybdenum	20	.6								
Nickel	10	.4	anr							
Phosphorus	50	1.2								
Potassium	10000	77	anr							
Selenium	10	3.2	anr							
Silicon	200	1.7								
Silver	10	1	anr							
Sodium	10000	34	anr							
Strontium	10	.3								
Sulfur	50	3								
Thallium	10	1.8	anr							
Tin	10	.8								
Titanium	10	.5								
Tungsten	50	2.6								
Vanadium	50	.6	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102125M1.ICP Date Analyzed: 10/21/25 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA59588 Units: ug/l

Time: / Sample ID:			09:19 ICB2		09:29 CCB1		10:40 CCB2		11:38 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zinc	20	.1	anr							
Zirconium	10	.3								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102125M1.ICP Date Analyzed: 10/21/25 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA59588 Units: ug/l

Time:			12:38	
Sample ID:			CCB4	
Metal	RL	IDL	raw	final
Aluminum	200	17	anr	
Antimony	6.0	1.7	anr	
Arsenic	3.0	2.1	anr	
Barium	200	.8	anr	
Beryllium	1.0	.3	anr	
Bismuth	20	2.3		
Boron	100	2.3		
Cadmium	3.0	.3	anr	
Calcium	5000	6.6	anr	
Cerium	100			
Chromium	10	.3	anr	
Cobalt	50	.4	anr	
Copper	10	.8	anr	
Iron	100	5.3	5.80	<100
Lead	3.0	1.1	anr	
Lithium	50	4.8		
Magnesium	5000	32	anr	
Manganese	15	.1	0.400	<15
Molybdenum	20	.6		
Nickel	10	.4	anr	
Phosphorus	50	1.2		
Potassium	10000	77	anr	
Selenium	10	3.2	anr	
Silicon	200	1.7		
Silver	10	1	anr	
Sodium	10000	34	anr	
Strontium	10	.3		
Sulfur	50	3		
Thallium	10	1.8	anr	
Tin	10	.8		
Titanium	10	.5		
Tungsten	50	2.6		
Vanadium	50	.6	anr	

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102125M1.ICP Date Analyzed: 10/21/25 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA59588 Units: ug/l

Time:			12:38	
Sample ID:			CCB4	
Metal	RL	IDL	raw	final
Zinc	20	.1	anr	
Zirconium	10	.3		

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102125M1.ICP Date Analyzed: 10/21/25 Methods: EPA 200.7, SW846 6010D
QC Limits: to % Recovery Run ID: MA59588 Units: ug/l

Time:		09:24	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Bismuth			
Boron			
Cadmium	anr		
Calcium	anr		
Cerium			
Chromium	anr		
Cobalt	anr		
Copper	anr		
Iron	40000	41100	102.8
Lead	anr		
Lithium			
Magnesium	anr		
Manganese	2000	2090	104.5
Molybdenum			
Nickel	anr		
Phosphorus			
Potassium	anr		
Selenium	anr		
Silicon			
Silver	anr		
Sodium	anr		
Strontium			
Sulfur			
Thallium	anr		
Tin			
Titanium			
Tungsten			
Vanadium	anr		

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102125M1.ICP Date Analyzed: 10/21/25 Methods: EPA 200.7, SW846 6010D
QC Limits: to % Recovery Run ID: MA59588 Units: ug/l

Time:		09:24	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec
Zinc	anr		
Zirconium			

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102125M1.ICP Date Analyzed: 10/21/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA59588 Units: ug/l

Time:		09:13			10:36			11:34	
Sample ID:	ICV	ICV3		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Bismuth									
Boron									
Cadmium	anr								
Calcium	anr								
Cerium									
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	40000	40400	101.0	40000	41500	103.8	40000	42000	105.0
Lead	anr								
Lithium									
Magnesium	anr								
Manganese	2000	2080	104.0	2000	2100	105.0	2000	2090	104.5
Molybdenum									
Nickel	anr								
Phosphorus									
Potassium	anr								
Selenium	anr								
Silicon									
Silver	anr								
Sodium	anr								
Strontium									
Sulfur									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102125M1.ICP Date Analyzed: 10/21/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA59588 Units: ug/l

Time:		09:13			10:36			11:34	
Sample ID:	ICV	ICV3		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	anr								
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102125M1.ICP Date Analyzed: 10/21/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA59588 Units: ug/l

Time:		12:33	
Sample ID:	CCV	CCV3	
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Bismuth			
Boron			
Cadmium	anr		
Calcium	anr		
Cerium			
Chromium	anr		
Cobalt	anr		
Copper	anr		
Iron	40000	41700	104.3
Lead	anr		
Lithium			
Magnesium	anr		
Manganese	2000	2070	103.5
Molybdenum			
Nickel	anr		
Phosphorus			
Potassium	anr		
Selenium	anr		
Silicon			
Silver	anr		
Sodium	anr		
Strontium			
Sulfur			
Thallium	anr		
Tin			
Titanium			
Tungsten			
Vanadium	anr		

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102125M1.ICP Date Analyzed: 10/21/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA59588 Units: ug/l

Time:		12:33	
Sample ID:	CCV	CCV3	
Metal	True	Results	% Rec
Zinc	anr		
Zirconium			

(*) Outside of QC limits
(anr) Analyte not requested

HIGH STANDARD CHECK SUMMARY

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102125M1.ICP Date Analyzed: 10/21/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 90 to 110 % Recovery Run ID: MA59588 Units: ug/l

Time:		09:54			10:00	
Sample ID:	HSTD	HSTD1		HSTD	HSTD2	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum						
Antimony	anr					
Arsenic	anr					
Barium	anr					
Beryllium	anr					
Bismuth						
Boron						
Cadmium	anr					
Calcium						
Cerium						
Chromium	anr					
Cobalt	anr					
Copper	anr					
Iron				200000	188000	94.0
Lead	anr					
Lithium						
Magnesium						
Manganese	8000	7910	98.9			
Molybdenum						
Nickel	anr					
Phosphorus						
Potassium						
Selenium	anr					
Silicon						
Silver	anr					
Sodium						
Strontium						
Sulfur						
Thallium	anr					
Tin						
Titanium						
Tungsten						
Vanadium	anr					

HIGH STANDARD CHECK SUMMARY

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102125M1.ICP Date Analyzed: 10/21/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 90 to 110 % Recovery Run ID: MA59588 Units: ug/l

Time:		09:54			10:00	
Sample ID:	HSTD	HSTD1		HSTD	HSTD2	
Metal	True	Results	% Rec	True	Results	% Rec
Zinc	anr					
Zirconium						

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102125M1.ICP Date Analyzed: 10/21/25 Methods: EPA 200.7, SW846 6010D
QC Limits: CRI 80-120% CRIA 80-120% Run ID: MA59588 Units: ug/l

Time:				09:39		10:45	
Sample ID:	CRI	CRIA	CRID	CRID1		CRI2	
Metal	True	True	True	Results	% Rec	Results	% Rec
Aluminum	200	500	100	anr			
Antimony	6.0	20	3.0				
Arsenic	8.0	20	3.0	anr			
Barium	200		4.0	anr			
Beryllium	2.0		1.0	anr			
Bismuth	20						
Boron	100		10				
Cadmium	3.0		1.0	anr			
Calcium	5000	2000	1000	anr			
Cerium							
Chromium	10		2.0	anr			
Cobalt	50		3.0	anr			
Copper	10		2.0				
Iron	100	500				106	106.0
Lead	3.0	20	2.5				
Lithium	50						
Magnesium	5000	2000	100	anr			
Manganese	15		3.0	3.20	106.7	15.8	105.3
Molybdenum	20						
Nickel	10		4.0	anr			
Phosphorus	50						
Potassium	5000		2000	anr			
Selenium	10	20	5.0				
Silicon	200						
Silver	5.0		2.0				
Sodium	5000		1000	anr			
Strontium	10						
Sulfur	50						
Thallium	10		2.0	anr			
Tin	10						
Titanium	10						
Tungsten	50						
Vanadium	50		2.0	anr			

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102125M1.ICP Date Analyzed: 10/21/25 Methods: EPA 200.7, SW846 6010D
QC Limits: CRI 80-120% CRIA 80-120% Run ID: MA59588 Units: ug/l

Time:				09:39		10:45	
Sample ID:	CRI	CRIA	CRID	CRID1		CRI2	
Metal	True	True	True	Results	% Rec	Results	% Rec
Zinc	20		10	anr			
Zirconium	10						

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102125M1.ICP Date Analyzed: 10/21/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 80 to 120 % Recovery Run ID: MA59588 Units: ug/l

Time:			09:44		09:49	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	500000	500000	511000	102.2	500000	100.0
Antimony		1000	-1.20		1030	103.0
Arsenic		1000	0.00		957	95.7
Barium		500	2.00		500	100.0
Beryllium		500	-0.600		495	99.0
Bismuth		500	-4.50		496	99.2
Boron		500	0.200		527	105.4
Cadmium		1000	-1.50		1090	109.0
Calcium	400000	400000	382000	95.5	379000	94.8
Cerium			19.1		534*	
Chromium		500	-0.400		482	96.4
Cobalt		500	0.300		521	104.2
Copper		500	-0.500		544	108.8
Iron	200000	200000	190000	95.0	189000	94.5
Lead		1000	-0.800		995	99.5
Lithium		500	2.70		560	112.0
Magnesium	500000	500000	508000	101.6	500000	100.0
Manganese		500	-5.90		510	102.0
Molybdenum		500	2.10		502	100.4
Nickel		1000	-0.500		1020	102.0
Phosphorus		500	-18.0		519	103.8
Potassium			-155		-115	
Selenium		1000	0.300		1010	101.0
Silicon		500	-3.40		432	86.4
Silver		1000	0.500		1120	112.0
Sodium			68.6		97.5	
Strontium		500	1.10		498	99.6
Sulfur		500	-27.0		479	95.8
Thallium		1000	7.40		996	99.6
Tin		500	-2.10		483	96.6
Titanium		500	-1.20		494	98.8
Tungsten		500	-2.20		493	98.6
Vanadium		500	0.200		508	101.6

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102125M1.ICP Date Analyzed: 10/21/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 80 to 120 % Recovery Run ID: MA59588 Units: ug/l

Time:			09:44		09:49	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1	
Metal	True	True	Results	% Rec	Results	% Rec
Zinc		1000	4.00		967	96.7
Zirconium		500	2.00		484	96.8

(*) Outside of QC limits
(anr) Analyte not requested

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102225M1.ICP Date Analyzed: 10/22/25 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA59598
Parameters: Fe,Mn

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:10	MA59598-STD1	1		STDA
09:14	MA59598-STD2	1		STDB
09:19	MA59598-ICV1	1		
09:26	ZZZZZZ	1		
09:31	MA59598-ICB1	1		
09:37	MA59598-ICCV1	1		
09:42	MA59598-CCB1	1		
09:48	MA59598-CRI1	1		
09:52	MA59598-CRID1	1		
09:57	MA59598-ICSA1	1		
10:02	MA59598-ICSAB1	1		
10:07	MA59598-HSTD1	1		
10:13	MA59598-HSTD2	1		
10:18	ZZZZZZ	1		
10:23	ZZZZZZ	1		
10:28	ZZZZZZ	1		
10:33	ZZZZZZ	1		
10:38	ZZZZZZ	1		
10:43	MA59598-CCV1	1		
10:48	MA59598-CCB2	1		
10:53	ZZZZZZ	1		
10:58	MA59598-CCV2	1		
11:02	MA59598-CCB3	1		
11:07	MA59598-CRI2	1		
11:12	MA59598-CRID2	1		
11:17	MA59598-ICSA2	1		
11:22	MA59598-ICSAB2	1		
11:27	MA59598-CCV3	1		
11:31	MA59598-CCB4	1		
11:36	MP58085-MB1	1		
11:41	MP58085-S1	1		
11:46	MP58085-S2	1		
11:51	JE21317-1	1		(sample used for QC only; not part of login JE21034)

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102225M1.ICP Date Analyzed: 10/22/25 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA59598
Parameters: Fe,Mn

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:56	MP58085-SD1	5		
12:01	MP58085-S1	5		
12:05	MP58085-S2	5		
12:10	JE21317-1	5		(sample used for QC only; not part of login JE21034)
12:15	MP58085-SD1	25		
12:20	JE21034-6	1		
---------->	Last reportable sample/prep for job JE21034			
12:25	MA59598-CCV4	1		
12:29	MA59598-CCB5	1		
---------->	Last reportable CCB for job JE21034			
12:34	ZZZZZZ	5		
12:39	ZZZZZZ	10		
12:44	ZZZZZZ	1		
12:49	ZZZZZZ	1		
12:54	ZZZZZZ	10		
12:59	ZZZZZZ	1		
13:04	MP57819-PS1	1		
13:09	MP58114-SD1	5		doesnt match QC sample
13:14	ZZZZZZ	2		
13:18	ZZZZZZ	5		
13:23	MA59598-CCV5	1		
13:28	MA59598-CCB6	1		
13:33	ZZZZZZ	5		
13:37	ZZZZZZ	5		
13:42	ZZZZZZ	5		
13:47	ZZZZZZ	5		
13:52	ZZZZZZ	5		
13:57	ZZZZZZ	5		
14:02	ZZZZZZ	5		
14:07	ZZZZZZ	5		
14:12	ZZZZZZ	5		
14:16	MA59598-CCV6	1		
14:21	MA59598-CCB7	1		
14:26	MP58079-S1	5		rerun for SB, CU, TL
14:30	MP58079-S2	5		rerun for SB, CU, TL

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102225M1.ICP Date Analyzed: 10/22/25 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA59598
Parameters: Fe,Mn

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:35	JE21228-10	5		(sample used for QC only; not part of login JE21034)
14:40	MP58079-SD1	25		
14:45	MP58079-S3	5		rerun for CU
14:49	MP58079-S4	5		rerun for CU
14:54	JE21228-10F	5		(sample used for QC only; not part of login JE21034)
14:59	MP58079-SD2	25		
15:04	ZZZZZZ	5		
15:09	ZZZZZZ	5		
15:14	MA59598-CCV7	1		
15:18	MA59598-CCB8	1		
15:23	ZZZZZZ	1		
15:28	ZZZZZZ	10		
15:33	ZZZZZZ	1		
15:38	MA59598-CCV8	1		
15:42	MA59598-CCB9	1		
15:47	ZZZZZZ	1		
15:52	ZZZZZZ	1		
15:57	ZZZZZZ	1		

Refer to raw data for calibration curve and standards.

REPORTED ELEMENTS SUMMARY

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102225M1.ICP Date Analyzed: 10/22/25 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA59598
Parameters: Fe,Mn

Time	Sample Description	Element: Dilution	Fe	Mn	
09:19	MA59598-ICV1	1	X	X	
09:26	ZZZZZZ	1			
09:31	MA59598-ICB1	1	X	X	
09:37	MA59598-ICCV1	1	X	X	
09:42	MA59598-CCB1	1	X	X	
09:48	MA59598-CRI1	1	X	X	
09:52	MA59598-CRID1	1	X	X	
09:57	MA59598-ICSA1	1	X	X	
10:02	MA59598-ICSAB1	1	X	X	
10:07	MA59598-HSTD1	1	X	X	
10:13	MA59598-HSTD2	1	X	X	
10:18	ZZZZZZ	1			
10:23	ZZZZZZ	1			
10:28	ZZZZZZ	1			
10:33	ZZZZZZ	1			
10:38	ZZZZZZ	1			
10:43	MA59598-CCV1	1	X	X	
10:48	MA59598-CCB2	1	X	X	
10:53	ZZZZZZ	1			
10:58	MA59598-CCV2	1	X	X	
11:02	MA59598-CCB3	1	X	X	
11:07	MA59598-CRI2	1	X	X	
11:12	MA59598-CRID2	1	X	X	
11:17	MA59598-ICSA2	1	X	X	
11:22	MA59598-ICSAB2	1	X	X	
11:27	MA59598-CCV3	1	X	X	
11:31	MA59598-CCB4	1	X	X	
11:36	MP58085-MB1	1			
11:41	MP58085-S1	1			
11:46	MP58085-S2	1			
11:51	JE21317-1	1			(a)
11:56	MP58085-SD1	5	X	X	
12:01	MP58085-S1	5			
		Element:	Fe	Mn	

REPORTED ELEMENTS SUMMARY

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102225M1.ICP Date Analyzed: 10/22/25 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA59598
Parameters: Fe,Mn

Time	Sample Description	Element: Dilution	F e	M n	
12:05	MP58085-S2	5			
12:10	JE21317-1	5			(a)
12:15	MP58085-SD1	25			
12:20	JE21034-6	1		X	
12:25	MA59598-CCV4	1	X	X	
12:29	MA59598-CCB5	1	X	X	
12:34	ZZZZZZ	5			
12:39	ZZZZZZ	10			
12:44	ZZZZZZ	1			
12:49	ZZZZZZ	1			
12:54	ZZZZZZ	10			
12:59	ZZZZZZ	1			
13:04	MP57819-PS1	1			
13:09	MP58114-SD1	5	doesnt match QC sample		
13:14	ZZZZZZ	2			
13:18	ZZZZZZ	5			
13:23	MA59598-CCV5	1	X	X	
13:28	MA59598-CCB6	1	X	X	
13:33	ZZZZZZ	5			
13:37	ZZZZZZ	5			
13:42	ZZZZZZ	5			
13:47	ZZZZZZ	5			
13:52	ZZZZZZ	5			
13:57	ZZZZZZ	5			
14:02	ZZZZZZ	5			
14:07	ZZZZZZ	5			
14:12	ZZZZZZ	5			
14:16	MA59598-CCV6	1	X	X	
14:21	MA59598-CCB7	1	X	X	
14:26	MP58079-S1	5	X	X	
14:30	MP58079-S2	5	X	X	
14:35	JE21228-10	5	X	X	(a)
14:40	MP58079-SD1	25	X	X	
		Element:	F e	M n	

REPORTED ELEMENTS SUMMARY

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102225M1.ICP Date Analyzed: 10/22/25 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA59598
Parameters: Fe,Mn

Time	Sample Description	Element: Dilution	Fe	Mn	
14:45	MP58079-S3	5	X	X	
14:49	MP58079-S4	5	X	X	
14:54	JE21228-10F	5	X	X	(a)
14:59	MP58079-SD2	25	X	X	
15:04	ZZZZZZ	5			
15:09	ZZZZZZ	5			
15:14	MA59598-CCV7	1	X	X	
15:18	MA59598-CCB8	1	X	X	
15:23	ZZZZZZ	1			
15:28	ZZZZZZ	10			
15:33	ZZZZZZ	1			
15:38	MA59598-CCV8	1	X	X	
15:42	MA59598-CCB9	1	X	X	
15:47	ZZZZZZ	1			
15:52	ZZZZZZ	1			
15:57	ZZZZZZ	1			

(a) Sample used for QC only; not part of login JE21034.

Element:	Fe	Mn

INTERNAL STANDARD SUMMARY

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102225M1.ICP Date Analyzed: 10/22/25 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA59598
Parameters: Fe,Mn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
09:10	MA59598-STD1	2990 R	102070 R	17064 R	5983 R
09:14	MA59598-STD2	2922	101720	17011	5944
09:19	MA59598-ICV1	2969	101980	16967	5991
09:26	ZZZZZZ	3010	102270	17027	6015
09:31	MA59598-ICB1	3028	103410	17516	6054
09:37	MA59598-ICCV1	2989	103370	17251	6040
09:42	MA59598-CCB1	3039	103220	17390	6078
09:48	MA59598-CRI1	3019	103560	17327	6066
09:52	MA59598-CRID1	3015	103200	17476	6033
09:57	MA59598-ICSA1	2840	100240	17090	5703
10:02	MA59598-ICSAB1	2838	99635	17172	5711
10:07	MA59598-HSTD1	2986	103270	17364	6149
10:13	MA59598-HSTD2	2866	100610	16855	5746
10:18	ZZZZZZ	3012	103090	17099	6182
10:23	ZZZZZZ	2930	101960	16689	5882
10:28	ZZZZZZ	3177	104040	18216	6053
10:33	ZZZZZZ	2895	102250	16735	5816
10:38	ZZZZZZ	3016	102240	16880	5978
10:43	MA59598-CCV1	2972	102310	16974	5971
10:48	MA59598-CCB2	3030	102960	16979	6007
10:53	ZZZZZZ	2837	100030	16607	5693
10:58	MA59598-CCV2	2972	102580	17130	5977
11:02	MA59598-CCB3	3027	104040	17466	6013
11:07	MA59598-CRI2	3027	104760	17256	6041
11:12	MA59598-CRID2	3037	105740	17563	6036
11:17	MA59598-ICSA2	2852	101720	17176	5700
11:22	MA59598-ICSAB2	2846	102250	17353	5701
11:27	MA59598-CCV3	3002	105110	17313	6029
11:31	MA59598-CCB4	3032	105940	17574	6022
11:36	MP58085-MB1	3041	105870	17789	6037
11:41	MP58085-S1	2966	105740	17557	5937
11:46	MP58085-S2	2976	104880	17430	5950
11:51	JE21317-1	2990	106540	17605	5955

INTERNAL STANDARD SUMMARY

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102225M1.ICP Date Analyzed: 10/22/25 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA59598
Parameters: Fe,Mn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:56	MP58085-SD1	3051	107450	17575	6095
12:01	MP58085-S1	3035	106670	17492	6064
12:05	MP58085-S2	3040	106480	17370	6055
12:10	JE21317-1	3040	106810	17374	6053
12:15	MP58085-SD1	3063	107030	17587	6096
12:20	JE21034-6	2909	107520	17411	5805
12:25	MA59598-CCV4	3004	105960	17475	6036
12:29	MA59598-CCB5	3055	106660	17781	6056
12:34	ZZZZZZ	3019	106520	17666	6016
12:39	ZZZZZZ	3054	108120	17519	6107
12:44	ZZZZZZ	2917	103140	17164	5839
12:49	ZZZZZZ	2935	104260	17172	5879
12:54	ZZZZZZ	2954	106010	17271	5906
12:59	ZZZZZZ	3002	107170	17828	5962
13:04	MP57819-PS1	3069	110150	18463	6103
13:09	MP58114-SD1	No results reported for the elements associated with this internal standard.			
13:14	ZZZZZZ	3034	107720	18024	6044
13:18	ZZZZZZ	3054	107870	17939	6109
13:23	MA59598-CCV5	3004	108020	18127	6059
13:28	MA59598-CCB6	3052	108550	18106	6076
13:33	ZZZZZZ	3075	108660	18213	6133
13:37	ZZZZZZ	3043	108110	18184	6086
13:42	ZZZZZZ	3068	108920	18270	6128
13:47	ZZZZZZ	3055	108980	18241	6096
13:52	ZZZZZZ	3027	108870	18132	6081
13:57	ZZZZZZ	No results reported for the elements associated with this internal standard.			
14:02	ZZZZZZ	No results reported for the elements associated with this internal standard.			
14:07	ZZZZZZ	3007	107680	18105	6020
14:12	ZZZZZZ	No results reported for the elements associated with this internal standard.			
14:16	MA59598-CCV6	3012	106870	17769	6080
14:21	MA59598-CCB7	3056	106970	17904	6090
14:26	MP58079-S1	3026	107110	17945	6128
14:30	MP58079-S2	3034	107120	17878	6157

INTERNAL STANDARD SUMMARY

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102225M1.ICP Date Analyzed: 10/22/25 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA59598
Parameters: Fe,Mn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:35	JE21228-10	3046	107250	18067	6165
14:40	MP58079-SD1	3059	107360	18110	6105
14:45	MP58079-S3	3041	107270	18094	6158
14:49	MP58079-S4	3045	107620	18103	6175
14:54	JE21228-10F	3074	107490	17992	6200
14:59	MP58079-SD2	3098	107320	17958	6191
15:04	ZZZZZZ	3086	107270	17889	6245
15:09	ZZZZZZ	3080	107350	17853	6220
15:14	MA59598-CCV7	3057	105750	17552	6162
15:18	MA59598-CCB8	3105	106070	17589	6185
15:23	ZZZZZZ	3115	106230	17918	6253
15:28	ZZZZZZ	3047	106960	17600	6143
15:33	ZZZZZZ	2982	104510	17338	5816
15:38	MA59598-CCV8	3074	105740	17370	6202
15:42	MA59598-CCB9	3129	106010	17537	6228
15:47	ZZZZZZ	2998	101000	17172	5970
15:52	ZZZZZZ	2963	101960	16733	5942
15:57	ZZZZZZ	2961	102000	16999	5937

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	70-130 %
Istd#2	Yttrium (3600)	70-130 %
Istd#3	Yttrium (3710)	70-130 %
Istd#4	Indium	70-130 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102225M1.ICP Date Analyzed: 10/22/25 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA59598 Units: ug/l

Time: / Sample ID:			09:31 ICB1		09:42 CCB1		10:48 CCB2		11:02 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	17	anr							
Antimony	6.0	1.7	anr							
Arsenic	3.0	2.1	anr							
Barium	200	.8	anr							
Beryllium	1.0	.3	anr							
Bismuth	20	2.3								
Boron	100	2.3								
Cadmium	3.0	.3	anr							
Calcium	5000	6.6	anr							
Cerium	100									
Chromium	10	.3	anr							
Cobalt	50	.4	anr							
Copper	10	.8	anr							
Iron	100	5.3	8.30	<100	6.30	<100	15.2	<100	1.80	<100
Lead	3.0	1.1	anr							
Lithium	50	4.8								
Magnesium	5000	32	anr							
Manganese	15	.1	0.300	<15	0.300	<15	0.600	<15	0.300	<15
Molybdenum	20	.6								
Nickel	10	.4	anr							
Phosphorus	50	1.2								
Potassium	10000	77	anr							
Selenium	10	3.2	anr							
Silicon	200	1.7								
Silver	10	1	anr							
Sodium	10000	34	anr							
Strontium	10	.3								
Sulfur	50	3								
Thallium	10	1.8	anr							
Tin	10	.8								
Titanium	10	.5								
Tungsten	50	2.6								
Vanadium	50	.6	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102225M1.ICP Date Analyzed: 10/22/25 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA59598 Units: ug/l

Time: / Sample ID:			09:31 ICB1		09:42 CCB1		10:48 CCB2		11:02 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zinc	20	.1	anr							
Zirconium	10	.3								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102225M1.ICP Date Analyzed: 10/22/25 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA59598 Units: ug/l

Time:			11:31		12:29	
Sample ID:			CCB4		CCB5	
Metal	RL	IDL	raw	final	raw	final
Aluminum	200	17	anr			
Antimony	6.0	1.7	anr			
Arsenic	3.0	2.1	anr			
Barium	200	.8	anr			
Beryllium	1.0	.3	anr			
Bismuth	20	2.3				
Boron	100	2.3				
Cadmium	3.0	.3	anr			
Calcium	5000	6.6	anr			
Cerium	100					
Chromium	10	.3	anr			
Cobalt	50	.4	anr			
Copper	10	.8	anr			
Iron	100	5.3	19.6	<100	2.10	<100
Lead	3.0	1.1	anr			
Lithium	50	4.8				
Magnesium	5000	32	anr			
Manganese	15	.1	0.700	<15	0.200	<15
Molybdenum	20	.6				
Nickel	10	.4	anr			
Phosphorus	50	1.2				
Potassium	10000	77	anr			
Selenium	10	3.2	anr			
Silicon	200	1.7				
Silver	10	1	anr			
Sodium	10000	34	anr			
Strontium	10	.3				
Sulfur	50	3				
Thallium	10	1.8	anr			
Tin	10	.8				
Titanium	10	.5				
Tungsten	50	2.6				
Vanadium	50	.6	anr			

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102225M1.ICP Date Analyzed: 10/22/25 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA59598 Units: ug/l

			Time:		11:31		12:29	
			Sample ID:		CCB4		CCB5	
Metal	RL	IDL			raw	final	raw	final
Zinc	20	.1			anr			
Zirconium	10	.3						

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102225M1.ICP Date Analyzed: 10/22/25 Methods: EPA 200.7, SW846 6010D
QC Limits: to % Recovery Run ID: MA59598 Units: ug/l

Time:		09:37	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Bismuth			
Boron			
Cadmium	anr		
Calcium	anr		
Cerium			
Chromium	anr		
Cobalt	anr		
Copper	anr		
Iron	40000	39000	97.5
Lead	anr		
Lithium			
Magnesium	anr		
Manganese	2000	2010	100.5
Molybdenum			
Nickel	anr		
Phosphorus			
Potassium	anr		
Selenium	anr		
Silicon			
Silver	anr		
Sodium	anr		
Strontium			
Sulfur			
Thallium	anr		
Tin			
Titanium			
Tungsten			
Vanadium	anr		

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102225M1.ICP Date Analyzed: 10/22/25 Methods: EPA 200.7, SW846 6010D
QC Limits: to % Recovery Run ID: MA59598 Units: ug/l

Time:		09:37	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec
Zinc	anr		
Zirconium			

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102225M1.ICP Date Analyzed: 10/22/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA59598 Units: ug/l

Time:		09:19			10:43			10:58	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Bismuth									
Boron									
Cadmium	anr								
Calcium	anr								
Cerium									
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	40000	38900	97.3	40000	38700	96.8	40000	38700	96.8
Lead	anr								
Lithium									
Magnesium	anr								
Manganese	2000	2040	102.0	2000	2000	100.0	2000	1990	99.5
Molybdenum									
Nickel	anr								
Phosphorus									
Potassium	anr								
Selenium	anr								
Silicon									
Silver	anr								
Sodium	anr								
Strontium									
Sulfur									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102225M1.ICP Date Analyzed: 10/22/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA59598 Units: ug/l

Time:		09:19			10:43			10:58	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	anr								
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102225M1.ICP Date Analyzed: 10/22/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA59598 Units: ug/l

Time:		11:27			12:25	
Sample ID:	CCV	CCV3		CCV	CCV4	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum	anr					
Antimony	anr					
Arsenic	anr					
Barium	anr					
Beryllium	anr					
Bismuth						
Boron						
Cadmium	anr					
Calcium	anr					
Cerium						
Chromium	anr					
Cobalt	anr					
Copper	anr					
Iron	40000	38800	97.0	40000	38700	96.8
Lead	anr					
Lithium						
Magnesium	anr					
Manganese	2000	1940	97.0	2000	1930	96.5
Molybdenum						
Nickel	anr					
Phosphorus						
Potassium	anr					
Selenium	anr					
Silicon						
Silver	anr					
Sodium	anr					
Strontium						
Sulfur						
Thallium	anr					
Tin						
Titanium						
Tungsten						
Vanadium	anr					

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102225M1.ICP Date Analyzed: 10/22/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA59598 Units: ug/l

Time:		11:27			12:25	
Sample ID:	CCV	CCV3		CCV	CCV4	
Metal	True	Results	% Rec	True	Results	% Rec
Zinc	anr					
Zirconium						

(*) Outside of QC limits
(anr) Analyte not requested

HIGH STANDARD CHECK SUMMARY

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102225M1.ICP Date Analyzed: 10/22/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 90 to 110 % Recovery Run ID: MA59598 Units: ug/l

Time:		10:07			10:13	
Sample ID:	HSTD	HSTD1		HSTD	HSTD2	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum						
Antimony	anr					
Arsenic	anr					
Barium	anr					
Beryllium	anr					
Bismuth						
Boron						
Cadmium	anr					
Calcium						
Cerium						
Chromium	anr					
Cobalt	anr					
Copper	anr					
Iron				200000	183000	91.5
Lead	anr					
Lithium						
Magnesium						
Manganese	8000	7710	96.4			
Molybdenum						
Nickel	anr					
Phosphorus						
Potassium						
Selenium	anr					
Silicon						
Silver	anr					
Sodium						
Strontium						
Sulfur						
Thallium	anr					
Tin						
Titanium						
Tungsten						
Vanadium	anr					

HIGH STANDARD CHECK SUMMARY

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102225M1.ICP Date Analyzed: 10/22/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 90 to 110 % Recovery Run ID: MA59598 Units: ug/l

Time:		10:07			10:13	
Sample ID:	HSTD	HSTD1		HSTD	HSTD2	
Metal	True	Results	% Rec	True	Results	% Rec
Zinc	anr					
Zirconium						

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102225M1.ICP Date Analyzed: 10/22/25 Methods: EPA 200.7, SW846 6010D
QC Limits: CRI 80-120% CRIA 80-120% Run ID: MA59598 Units: ug/l

Time:				09:48		09:52		11:07	
Sample ID:	CRI	CRIA	CRID	CRI1		CRID1		CRI2	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	anr					
Antimony	6.0	20	3.0	anr					
Arsenic	8.0	20	3.0	anr					
Barium	200		4.0	anr					
Beryllium	2.0		1.0	anr					
Bismuth	20								
Boron	100		10						
Cadmium	3.0		1.0	anr					
Calcium	5000	2000	1000	anr					
Cerium									
Chromium	10		2.0	anr					
Cobalt	50		3.0	anr					
Copper	10		2.0	anr					
Iron	100	500		100	100.0			102	102.0
Lead	3.0	20	2.5	anr					
Lithium	50								
Magnesium	5000	2000	100	anr					
Manganese	15		3.0	15.5	103.3	3.10	103.3	15.4	102.7
Molybdenum	20								
Nickel	10		4.0	anr					
Phosphorus	50								
Potassium	5000		2000	anr					
Selenium	10	20	5.0	anr					
Silicon	200								
Silver	5.0		2.0	anr					
Sodium	5000		1000	anr					
Strontium	10								
Sulfur	50								
Thallium	10		2.0	anr					
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	anr					

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102225M1.ICP Date Analyzed: 10/22/25 Methods: EPA 200.7, SW846 6010D
QC Limits: CRI 80-120% CRIA 80-120% Run ID: MA59598 Units: ug/l

Time:				09:48		09:52		11:07	
Sample ID:	CRI	CRIA	CRID	CRI1		CRID1		CRI2	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Zinc	20		10	anr					
Zirconium	10								

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102225M1.ICP Date Analyzed: 10/22/25 Methods: EPA 200.7, SW846 6010D
QC Limits: CRI 80-120% CRIA 80-120% Run ID: MA59598 Units: ug/l

Time:				11:12	
Sample ID:	CRI	CRIA	CRID	CRID2	
Metal	True	True	True	Results	% Rec
Aluminum	200	500	100	anr	
Antimony	6.0	20	3.0		
Arsenic	8.0	20	3.0	anr	
Barium	200		4.0	anr	
Beryllium	2.0		1.0	anr	
Bismuth	20				
Boron	100		10		
Cadmium	3.0		1.0	anr	
Calcium	5000	2000	1000	anr	
Cerium					
Chromium	10		2.0	anr	
Cobalt	50		3.0	anr	
Copper	10		2.0		
Iron	100	500			
Lead	3.0	20	2.5		
Lithium	50				
Magnesium	5000	2000	100		
Manganese	15		3.0	3.00	100.0
Molybdenum	20				
Nickel	10		4.0	anr	
Phosphorus	50				
Potassium	5000		2000	anr	
Selenium	10	20	5.0	anr	
Silicon	200				
Silver	5.0		2.0		
Sodium	5000		1000	anr	
Strontium	10				
Sulfur	50				
Thallium	10		2.0		
Tin	10				
Titanium	10				
Tungsten	50				
Vanadium	50		2.0	anr	

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102225M1.ICP Date Analyzed: 10/22/25 Methods: EPA 200.7, SW846 6010D
QC Limits: CRI 80-120% CRIA 80-120% Run ID: MA59598 Units: ug/l

Time:				11:12	
Sample ID:	CRI	CRIA	CRID	CRID2	
Metal	True	True	True	Results	% Rec
Zinc	20		10	anr	
Zirconium	10				

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102225M1.ICP Date Analyzed: 10/22/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 80 to 120 % Recovery Run ID: MA59598 Units: ug/l

Time:			09:57		10:02		11:17		11:22	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	498000	99.6	499000	99.8	491000	98.2	482000	96.4
Antimony		1000	-3.00		1020	102.0	-1.80		1020	102.0
Arsenic		1000	2.10		965	96.5	1.00		926	92.6
Barium		500	1.40		499	99.8	1.80		475	95.0
Beryllium		500	-0.600		493	98.6	-0.600		477	95.4
Bismuth		500	-7.60		498	99.6	-6.40		497	99.4
Boron		500	0.300		514	102.8	0.700		515	103.0
Cadmium		1000	-1.50		1070	107.0	-1.30		1070	107.0
Calcium	400000	400000	370000	92.5	372000	93.0	365000	91.3	366000	91.5
Cerium			23.6		533*		19.6		513*	
Chromium		500	-0.200		463	92.6	-0.400		458	91.6
Cobalt		500	0.800		508	101.6	0.400		514	102.8
Copper		500	2.30		542	108.4	1.50		524	104.8
Iron	200000	200000	182000	91.0	183000	91.5	181000	90.5	181000	90.5
Lead		1000	2.30		974	97.4	2.20		971	97.1
Lithium		500	-0.700		551	110.2	-2.70		523	104.6
Magnesium	500000	500000	499000	99.8	502000	100.4	496000	99.2	497000	99.4
Manganese		500	-5.80		499	99.8	-5.70		482	96.4
Molybdenum		500	1.60		494	98.8	1.40		493	98.6
Nickel		1000	-1.50		995	99.5	-1.60		999	99.9
Phosphorus		500	-21.3		501	100.2	-20.0		509	101.8
Potassium			-101		-98.3		-105		-88.0	
Selenium		1000	0.400		995	99.5	-2.10		996	99.6
Silicon		500	-7.70		423	84.6	-8.20		425	85.0
Silver		1000	0.700		1100	110.0	0.900		1090	109.0
Sodium			41.9		49.1		44.1		47.1	
Strontium		500	1.10		494	98.8	1.10		478	95.6
Sulfur		500	-29.6		474	94.8	-24.5		483	96.6
Thallium		1000	2.20		973	97.3	-0.100		966	96.6
Tin		500	-0.100		476	95.2	-2.50		477	95.4
Titanium		500	-1.40		478	95.6	-1.30		476	95.2
Tungsten		500	-4.80		480	96.0	-6.40		479	95.8
Vanadium		500	0.600		490	98.0	-0.200		484	96.8

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102225M1.ICP Date Analyzed: 10/22/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 80 to 120 % Recovery Run ID: MA59598 Units: ug/l

Time:			09:57		10:02		11:17		11:22	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Zinc		1000	3.90		936	93.6	3.80		946	94.6
Zirconium		500	2.50		478	95.6	2.10		463	92.6

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

QC Batch ID: MP58085
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

Prep Date: 10/20/25

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	17	150		
Antimony	6.0	1.7	4.7		
Arsenic	3.0	2.1	2.8		
Barium	200	.8	13		
Beryllium	1.0	.3	.5		
Bismuth	20	2.3	8.6		
Boron	100	2.3	10		
Cadmium	3.0	.3	1		
Calcium	5000	6.6	99		
Cerium	100				
Chromium	10	.3	2		
Cobalt	50	.4	2.6		
Copper	10	.8	5.9		
Iron	100	5.3	32	10.2	<100
Lead	3.0	1.1	1.8		
Lithium	50	4.8	7.3		
Magnesium	5000	32	140		
Manganese	15	.1	1.4	0.0	<15
Molybdenum	20	.6	3.6		
Nickel	10	.4	1.7		
Phosphorus	50	1.2	18		
Potassium	10000	77	200		
Selenium	10	3.2	4.9		
Silicon	200	1.7	32		
Silver	10	1	6.1		
Sodium	10000	34	570		
Strontium	10	.3	2.7		
Sulfur	50	3	45		
Thallium	10	1.8	1.8		
Tin	10	.8	3.7		
Titanium	10	.5	2.5		
Tungsten	50	2.6	40		
Vanadium	50	.6	1.8		

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

QC Batch ID: MP58085
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

Prep Date: 10/20/25

Metal	RL	IDL	MDL	MB raw	final
Zinc	20	.1	6.9		
Zirconium	10	.3	4.1		

Associated samples MP58085: JE21034-1, JE21034-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

QC Batch ID: MP58085
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

Prep Date: 10/20/25

Metal	JE21317-1 Original	MS	Spikelot MPSPK2	% Rec	QC Limits
Aluminum	anr				
Antimony	anr				
Arsenic	anr				
Barium	anr				
Beryllium	anr				
Bismuth					
Boron					
Cadmium	anr				
Calcium	anr				
Cerium					
Chromium	anr				
Cobalt	anr				
Copper	anr				
Iron	94.6	25000	25000	99.6	75-125
Lead	anr				
Lithium					
Magnesium	anr				
Manganese	76.1	2020	2000	96.9	75-125
Molybdenum					
Nickel	anr				
Phosphorus					
Potassium	anr				
Selenium	anr				
Silicon					
Silver	anr				
Sodium	anr				
Strontium					
Sulfur					
Thallium	anr				
Tin					
Titanium					
Tungsten					
Vanadium	anr				

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

QC Batch ID: MP58085
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

Prep Date: 10/20/25

Metal	JE21317-1 Original MS	Spikelot MPSPK2	% Rec	QC Limits
Zinc	anr			
Zirconium				

Associated samples MP58085: JE21034-1, JE21034-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

QC Batch ID: MP58085
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

Prep Date: 10/20/25

Metal	JE21317-1 Original	MSD	Spikelot MPSPK2	% Rec	MSD RPD	QC Limit
Aluminum	anr					
Antimony	anr					
Arsenic	anr					
Barium	anr					
Beryllium	anr					
Bismuth						
Boron						
Cadmium	anr					
Calcium	anr					
Cerium						
Chromium	anr					
Cobalt	anr					
Copper	anr					
Iron	94.6	25400	25000	101.2	1.6	20
Lead	anr					
Lithium						
Magnesium	anr					
Manganese	76.1	2030	2000	97.4	0.5	20
Molybdenum						
Nickel	anr					
Phosphorus						
Potassium	anr					
Selenium	anr					
Silicon						
Silver	anr					
Sodium	anr					
Strontium						
Sulfur						
Thallium	anr					
Tin						
Titanium						
Tungsten						
Vanadium	anr					

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

QC Batch ID: MP58085
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

Prep Date: 10/20/25

Metal	JE21317-1 Original MSD	Spikelot MPSPK2	% Rec	MSD RPD	QC Limit
Zinc	anr				
Zirconium					

Associated samples MP58085: JE21034-1, JE21034-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

QC Batch ID: MP58085
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

Prep Date: 10/20/25

Metal	BSP Result	Spikelot MPSPK2	% Rec	QC Limits
Aluminum	anr			
Antimony	anr			
Arsenic	anr			
Barium	anr			
Beryllium	anr			
Bismuth				
Boron				
Cadmium	anr			
Calcium	anr			
Cerium				
Chromium	anr			
Cobalt	anr			
Copper	anr			
Iron	25700	25000	102.8	80-120
Lead	anr			
Lithium				
Magnesium	anr			
Manganese	2060	2000	103.0	80-120
Molybdenum				
Nickel	anr			
Phosphorus				
Potassium	anr			
Selenium	anr			
Silicon				
Silver	anr			
Sodium	anr			
Strontium				
Sulfur				
Thallium	anr			
Tin				
Titanium				
Tungsten				
Vanadium	anr			

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

QC Batch ID: MP58085
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

Prep Date: 10/20/25

Metal	BSP Result	Spikelot MPSPK2	% Rec	QC Limits
Zinc	anr			
Zirconium				

Associated samples MP58085: JE21034-1, JE21034-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

QC Batch ID: MP58085
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

Prep Date: 10/20/25

Metal	JE21317-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum	anr			
Antimony	anr			
Arsenic	anr			
Barium	anr			
Beryllium	anr			
Bismuth				
Boron				
Cadmium	anr			
Calcium	anr			
Cerium				
Chromium	anr			
Cobalt	anr			
Copper	anr			
Iron	94.6	106	18.8 (a)	0-10
Lead	anr			
Lithium				
Magnesium	anr			
Manganese	67.4	74.5	2.1	0-10
Molybdenum				
Nickel	anr			
Phosphorus				
Potassium	anr			
Selenium	anr			
Silicon				
Silver	anr			
Sodium	anr			
Strontium				
Sulfur				
Thallium	anr			
Tin				
Titanium				
Tungsten				
Vanadium	anr			

SERIAL DILUTION RESULTS SUMMARY

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

QC Batch ID: MP58085
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

Prep Date: 10/20/25

Metal	JE21317-1 Original SDL 1:5	%DIF	QC Limits
Zinc	anr		
Zirconium			

Associated samples MP58085: JE21034-1, JE21034-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Instrument Detection Limits

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Instrument ID: SSTRACE3 **Effective Date:** 02/11/21

Analyte	IDL ug/l
Aluminum	16.6
Antimony	1.7
Arsenic	2.1
Barium	.8
Beryllium	.3
Bismuth	2.3
Boron	2.3
Cadmium	.3
Calcium	6.6
Chromium	.3
Cobalt	.4
Copper	.8
Iron	5.3
Lead	1.1
Lithium	4.8
Magnesium	32.3
Manganese	.1
Molybdenum	.6
Nickel	.4
Phosphorus	1.2
Potassium	76.5
Selenium	3.2
Silicon	1.7
Silver	1
Sodium	34.4
Sulfur	3
Strontium	.3
Thallium	1.8
Tin	.8
Titanium	.5
Tungsten	2.6
Vanadium	.6
Yttrium	5
Zinc	.1
Zirconium	.3

The above applies to the following instrument runs:
MA59588,MA59598

Instrument Linear Ranges

Job Number: JE21034
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Instrument ID: SSTRACE3 **Effective Date:** 08/22/19

Analyte	Linear Range ug/l
Aluminum	300000
Antimony	8000
Arsenic	8000
Barium	8000
Beryllium	8000
Bismuth	8000
Boron	8000
Cadmium	8000
Calcium	200000
Cerium	8000
Chromium	8000
Cobalt	8000
Copper	8000
Iron	200000
Lead	8000
Lithium	8000
Magnesium	300000
Manganese	8000
Molybdenum	8000
Nickel	8000
Palladium	8000
Phosphorus	8000
Potassium	200000
Selenium	8000
Silicon	25000
Silver	625
Sodium	200000
Sulfur	100000
Strontium	8000
Thallium	8000
Tin	8000
Titanium	8000
Tungsten	8000
Vanadium	8000
Zinc	8000
Zirconium	8000

The above applies to the following instrument runs:
MA59588,MA59598

Metals Analysis

Raw Data

Zoom In ▶ Zoom Out

Sample Name: STDA Acquired: 10/21/2025 8:46:25 Type: Cal
Method: SGS 3 NO Valve(v162) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0001**	**-.0000**	**-.0003**	**.0005**	**.0006**	**.0006**	**-.0017**	**.0045**	**.0006**
Stddev	.0000	.0001	.0000	.0001	.0002	.0001	.0004	.0002	.0001
%RSD	20.90	983.7	11.67	23.18	33.16	21.60	25.98	3.581	16.77
#1	-.0001	-.0002	-.0003	.0006	.0009	.0007	-.0013	.0046	.0006
#2	-.0002	.0001	-.0003	.0004	.0006	.0007	-.0022	.0044	.0007
#3	-.0001	-.0000	-.0003	.0004	.0005	.0005	-.0015	.0047	.0005

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0001**	**-.0001**	**.0000**	**.0093**	**-.0000**	**.0008**	**-.0010**	**-.0002**	**.0001**
Stddev	.0001	.0000	.0000	.0000	.0000	.0002	.0002	.0001	.0000
%RSD	147.8	25.67	68880.	.5296	692.0	25.10	23.21	87.50	15.12
#1	.0001	-.0001	.0001	.0094	-.0001	.0010	-.0010	.0000	.0001
#2	-.0000	-.0002	-.0000	.0093	-.0000	.0007	-.0012	-.0003	.0001
#3	.0001	-.0001	-.0000	.0093	.0000	.0006	-.0007	-.0003	.0001

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0008**	**.0027**	**.0001**	**-.0018**	**.0001**	**.0004**	**.0003**	**.0002**	**.0050**
Stddev	.0001	.0002	.0001	.0001	.0001	.0001	.0001	.0002	.0002
%RSD	16.47	8.138	61.50	5.670	93.02	24.28	32.28	67.70	3.469
#1	.0009	.0027	.0002	-.0018	.0000	.0005	.0002	.0000	.0048
#2	.0006	.0025	.0001	-.0017	.0001	.0003	.0004	.0003	.0050
#3	.0008	.0030	.0001	-.0018	.0001	.0004	.0002	.0003	.0051

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0002**	**.0008**	**-.0000**	**-.0003**	**.0000**	**.0006**	**.0019**	**-.0004**
Stddev	.0000	.0002	.0000	.0000	.0001	.0004	.0001	.0000
%RSD	17.62	22.49	62.19	5.273	290.7	57.03	4.399	4.004
#1	.0002	.0007	-.0000	-.0003	.0001	.0009	.0018	-.0004
#2	.0003	.0010	-.0000	-.0003	.0000	.0008	.0019	-.0004
#3	.0002	.0006	-.0000	-.0003	-.0000	.0002	.0020	-.0004

◀ Zoom In ▶ Zoom Out

Sample Name: STDA Acquired: 10/21/2025 8:46:25 Type: Cal
Method: SGS 3 NO Valve(v162) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6454.5**	**108930.**	**17485.**	**3296.6**
Stddev	5.6	121.	100.	4.5
%RSD	.08647	.11098	.57208	.13679
#1	6460.1	108800.	17373.	3301.7
#2	6454.5	108940.	17567.	3293.4
#3	6448.9	109040.	17514.	3294.6

◀ Zoom In ▶ Zoom Out

Sample Name: STDB Acquired: 10/21/2025 8:51:26 Type: Cal
Method: SGS 3 NO Valve(v162) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0717**	**3.749**	**.2231**	**1.059**	**8.170**	**11.40**	**1.053**	**7.155**	**4.347**
Stddev	.0001	.008	.0013	.005	.136	.02	.007	.005	.017
%RSD	.1457	.2129	.5683	.5225	1.659	.1896	.6670	.0743	.3912
#1	.0717	3.743	.2223	1.056	8.094	11.37	1.049	7.152	4.331
#2	.0716	3.746	.2225	1.056	8.326	11.40	1.050	7.161	4.345
#3	.0718	3.758	.2246	1.065	8.088	11.42	1.061	7.152	4.365

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.1870**	**1.747**	**.4770**	**1.278**	**3.372**	**1.369**	**1.551**	**.5229**	**2.846**
Stddev	.0006	.009	.0018	.005	.004	.003	.007	.0012	.028
%RSD	.3044	.4857	.3795	.3832	.1162	.1841	.4781	.2344	.9703
#1	.1872	1.737	.4757	1.280	3.376	1.367	1.544	.5223	2.845
#2	.1864	1.749	.4791	1.272	3.368	1.368	1.550	.5244	2.874
#3	.1875	1.754	.4762	1.281	3.372	1.372	1.559	.5222	2.819

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2.642**	**5.959**	**1.480**	**.3481**	**.6954**	**.2114**	**.7031**	**.3143**	**2.307**
Stddev	.014	.013	.007	.0017	.0035	.0011	.0030	.0018	.013
%RSD	.5173	.2230	.4739	.4909	.4987	.5109	.4331	.5658	.5656
#1	2.630	5.952	1.473	.3463	.6916	.2109	.7013	.3128	2.297
#2	2.639	5.951	1.482	.3483	.6962	.2107	.7013	.3138	2.303
#3	2.657	5.975	1.486	.3496	.6984	.2127	.7066	.3162	2.322

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.4820**	**18.22**	**.5666**	**.1415**	**.8265**	**1.442**	**3.484**	**1.937**
Stddev	.0023	.38	.0014	.0005	.0012	.007	.020	.002
%RSD	.4797	2.058	.2516	.3600	.1505	.5130	.5844	.1230
#1	.4797	18.63	.5652	.1410	.8255	1.434	3.461	1.938
#2	.4821	17.90	.5680	.1416	.8279	1.443	3.495	1.934
#3	.4843	18.13	.5666	.1420	.8262	1.449	3.498	1.938

◀ Zoom In ▶ Zoom Out

Sample Name: STDB Acquired: 10/21/2025 8:51:26 Type: Cal
Method: SGS 3 NO Valve(v162) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6375.6**	**108670.**	**17280.**	**3201.5**
Stddev	24.4	637.	88.	13.7
%RSD	.38261	.58607	.51164	.42776
#1	6402.5	108390.	17180.	3214.6
#2	6369.3	108220.	17312.	3202.7
#3	6354.9	109400.	17349.	3187.3

Zoom In Zoom Out

Sample Name: ICV Acquired: 10/21/2025 8:56:26 Type: QC
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .2657	40.85	1.978	2.079	2.076	F 2.116	1.953	41.19	F 2.100
Stddev	.0004	.04	.007	.001	.009	.003	.003	.04	.000
%RSD	.1417	.1023	.3417	.0695	.4102	.1273	.1376	.0984	.0192
#1	.2659	40.83	1.970	2.078	2.073	2.116	1.956	41.19	2.101
#2	.2660	40.83	1.982	2.078	2.069	2.113	1.951	41.15	2.100
#3	.2653	40.90	1.982	2.081	2.085	2.119	1.952	41.23	2.100
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail
Value	.2500					2.000			2.000
Range	5.000%					5.000%			5.000%

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.087	F 2.120	F 2.102	2.050	41.15	40.36	F 2.149	40.69	F 2.151
Stddev	.006	.003	.003	.003	.06	.08	.006	.06	.003
%RSD	.2792	.1442	.1234	.1562	.1476	.2008	.2956	.1532	.1547
#1	2.083	2.117	2.100	2.046	41.09	40.30	2.151	40.76	2.147
#2	2.094	2.119	2.105	2.051	41.15	40.33	2.141	40.64	2.153
#3	2.084	2.123	2.100	2.051	41.22	40.45	2.154	40.67	2.153
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail
Value		2.000	2.000				2.000		2.000
Range		5.000%	5.000%				5.000%		5.000%

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.052	40.95	F 2.126	2.087	F 2.121	2.058	2.049	F 2.108	5.154
Stddev	.001	.10	.004	.003	.006	.004	.003	.003	.002
%RSD	.0650	.2410	.2013	.1540	.2879	.1930	.1406	.1171	.0363
#1	2.053	40.89	2.123	2.087	2.122	2.062	2.046	2.105	5.154
#2	2.050	40.90	2.124	2.090	2.114	2.059	2.051	2.110	5.156
#3	2.052	41.06	2.131	2.084	2.126	2.054	2.051	2.107	5.153
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value			2.000		2.000			2.000	
Range			5.000%		5.000%			5.000%	

Zoom In Zoom Out

Sample Name: ICV Acquired: 10/21/2025 8:56:26 Type: QC
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.061	F 2.114	2.043	2.097	2.091	2.042	F 2.134	2.091
Stddev	.002	.006	.003	.006	.004	.003	.005	.003
%RSD	.0735	.2897	.1214	.2870	.1704	.1576	.2142	.1384
#1	2.060	2.111	2.041	2.093	2.088	2.043	2.131	2.089
#2	2.060	2.110	2.046	2.093	2.095	2.038	2.132	2.095
#3	2.063	2.121	2.043	2.104	2.088	2.044	2.139	2.090
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value		2.000					2.000	
Range		5.000%					5.000%	

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6393.4	109070.	17586.	3241.2
Stddev	3.9	174.	91.	1.8
%RSD	.06041	.15948	.51622	.05509
#1	6397.8	109270.	17503.	3239.8
#2	6391.3	109020.	17572.	3240.7
#3	6391.0	108930.	17683.	3243.2

Zoom In Zoom Out

Sample Name: ICV Acquired: 10/21/2025 9:03:08 Type: QC
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .2657	40.42	1.903	2.062	2.027	2.073	1.924	40.52	2.083
Stddev	.0002	.04	.008	.005	.003	.003	.005	.05	.001
%RSD	.0925	.1021	.4369	.2501	.1477	.1519	.2717	.1342	.0352
#1	.2660	40.42	1.907	2.065	2.030	2.070	1.925	40.50	2.083
#2	.2655	40.47	1.909	2.065	2.026	2.076	1.928	40.58	2.083
#3	.2656	40.39	1.894	2.056	2.024	2.072	1.918	40.47	2.082
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.2500								
Range	5.000%								

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.023	F 2.113	2.093	1.995	41.07	40.47	2.099	39.68	2.098
Stddev	.007	.006	.004	.009	.09	.04	.004	.12	.009
%RSD	.3590	.2773	.2101	.4350	.2133	.1069	.1826	.3003	.4252
#1	2.027	2.113	2.094	2.001	41.10	40.44	2.095	39.71	2.103
#2	2.027	2.108	2.097	1.998	41.13	40.52	2.102	39.77	2.104
#3	2.014	2.120	2.088	1.985	40.97	40.46	2.101	39.54	2.088
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		2.000							
Range		5.000%							

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.033	40.71	F 2.102	2.089	2.095	2.056	2.027	2.073	5.079
Stddev	.001	.04	.004	.001	.004	.007	.003	.008	.004
%RSD	.0359	.1029	.1674	.0320	.1650	.3331	.1312	.3863	.0889
#1	2.033	40.67	2.101	2.090	2.093	2.062	2.028	2.080	5.080
#2	2.034	40.75	2.100	2.089	2.093	2.057	2.029	2.075	5.083
#3	2.033	40.69	2.106	2.088	2.099	2.048	2.024	2.064	5.074
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			2.000						
Range			5.000%						

Zoom In Zoom Out

Sample Name: ICV Acquired: 10/21/2025 9:03:08 Type: QC
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.042	2.068	2.034	2.058	2.073	2.012	F 2.124	2.037
Stddev	.004	.005	.003	.006	.006	.004	.007	.007
%RSD	.1746	.2380	.1226	.2991	.2930	.1785	.3326	.3685
#1	2.044	2.063	2.035	2.060	2.076	2.016	2.122	2.042
#2	2.038	2.072	2.036	2.051	2.076	2.010	2.118	2.041
#3	2.044	2.070	2.031	2.062	2.066	2.009	2.132	2.028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value							2.000	
Range							5.000%	

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6391.6	110040.	17653.	3244.7
Stddev	13.5	332.	136.	2.2
%RSD	.21148	.30154	.76953	.06856
#1	6395.4	110040.	17709.	3244.1
#2	6402.9	109710.	17498.	3247.2
#3	6376.6	110370.	17752.	3242.9

15.1
15

Zoom In Zoom Out

Sample Name: ICB Acquired: 10/21/2025 9:07:47 Type: QC
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**.0184**	**.0006**	**.0042**	**.0010**	F **.0010**	**.0018**	**.0228**	**.0009**
Stddev	.0003	.0062	.0011	.0005	.0002	.0002	.0009	.0036	.0002
%RSD	1065.	33.45	205.5	11.33	20.68	24.47	52.54	15.61	27.58
#1	-.0003	.0115	-.0007	.0047	.0008	.0007	.0024	.0191	.0011
#2	-.0000	.0204	.0016	.0040	.0010	.0011	.0022	.0262	.0009
#3	.0002	.0234	.0008	.0038	.0012	.0011	.0007	.0232	.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						.0005			
Low Limit						-.0005			

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0021**	**.0003**	**.0009**	**.0009**	**.0229**	**.0376**	**.0038**	**.0226**	**.0009**
Stddev	.0024	.0002	.0001	.0003	.0043	.0185	.0004	.0014	.0001
%RSD	112.1	50.21	8.769	30.77	18.85	49.18	10.14	6.338	14.40
#1	-.0012	.0002	.0009	.0012	.0186	.0447	.0041	.0219	.0011
#2	-.0048	.0003	.0008	.0007	.0229	.0166	.0034	.0217	.0008
#3	-.0003	.0005	.0010	.0009	.0273	.0516	.0040	.0243	.0009
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0008**	**.0425**	**.0008**	**.0010**	**.0000**	**-.0015**	**.0004**	**-.0007**	**.0027**
Stddev	.0002	.0081	.0003	.0007	.0014	.0012	.0005	.0009	.0015
%RSD	20.55	19.12	34.19	69.92	11780.	77.74	104.6	124.9	55.98
#1	.0010	.0346	.0010	.0008	-.0014	-.0003	.0009	-.0013	.0045
#2	.0007	.0421	.0010	.0004	.0000	-.0016	.0000	.0003	.0021
#3	.0009	.0509	.0005	.0017	.0014	-.0027	.0004	-.0012	.0016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ICB Acquired: 10/21/2025 9:07:47 Type: QC
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0010**	**.0010**	**.0009**	**-.0010**	**.0008**	**.0013**	**-.0006**	**.0007**
Stddev	.0003	.0002	.0005	.0030	.0002	.0003	.0002	.0002
%RSD	28.12	22.68	51.42	290.7	21.99	25.57	24.94	25.63
#1	.0009	.0008	.0014	-.0041	.0010	.0017	-.0005	.0008
#2	.0009	.0012	.0005	-.0010	.0007	.0014	-.0006	.0005
#3	.0014	.0011	.0008	.0019	.0007	.0010	-.0008	.0007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6419.3**	**110930.**	**17887.**	**3278.7**
Stddev	13.4	346.	74.	6.3
%RSD	.20818	.31197	.41614	.19217
#1	6433.9	110940.	17955.	3284.8
#2	6416.2	111280.	17899.	3279.2
#3	6407.7	110580.	17807.	3272.2

Zoom In Zoom Out

Sample Name: ICV Acquired: 10/21/2025 9:13:39 Type: QC
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.2639**	**39.70**	**1.905**	**2.045**	**1.982**	**2.009**	**1.903**	**39.21**	**2.072**
Stddev	.0004	.10	.005	.003	.006	.006	.004	.15	.002
%RSD	.1622	.2603	.2585	.1675	.2897	.3057	.1973	.3732	.0873
#1	.2644	39.65	1.902	2.041	1.976	2.007	1.900	39.22	2.070
#2	.2637	39.82	1.902	2.046	1.988	2.016	1.900	39.36	2.072
#3	.2636	39.63	1.910	2.048	1.982	2.004	1.907	39.07	2.074
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.2500								
Range	5.000%								

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.006**	**2.085**	**2.079**	**1.962**	**40.43**	**39.89**	**2.061**	**38.31**	**2.082**
Stddev	.005	.001	.008	.004	.10	.03	.006	.16	.011
%RSD	.2457	.0514	.3719	.1973	.2411	.0843	.2835	.4081	.5428
#1	2.008	2.086	2.078	1.965	40.37	39.89	2.054	38.22	2.081
#2	2.001	2.084	2.071	1.957	40.55	39.93	2.063	38.49	2.071
#3	2.010	2.085	2.087	1.963	40.39	39.86	2.066	38.22	2.093
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.018**	**40.05**	**2.075**	**2.081**	**2.075**	**2.027**	**2.011**	**2.045**	**5.025**
Stddev	.001	.06	.001	.002	.003	.005	.002	.005	.006
%RSD	.0309	.1475	.0227	.1171	.1327	.2609	.1193	.2325	.1253
#1	2.017	40.01	2.074	2.083	2.074	2.032	2.009	2.047	5.019
#2	2.018	40.12	2.075	2.081	2.078	2.022	2.009	2.048	5.025
#3	2.018	40.02	2.075	2.079	2.073	2.028	2.013	2.039	5.032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ICV Acquired: 10/21/2025 9:13:39 Type: QC
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.023**	**2.006**	**2.016**	**2.037**	**2.052**	**2.002**	F **2.106**	**2.017**
Stddev	.001	.004	.003	.004	.006	.004	.002	.006
%RSD	.0591	.1789	.1339	.2216	.2721	.1824	.1034	.3013
#1	2.023	2.004	2.017	2.036	2.054	2.003	2.108	2.019
#2	2.021	2.010	2.014	2.033	2.046	1.998	2.107	2.010
#3	2.024	2.004	2.019	2.042	2.056	2.006	2.104	2.022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value							2.000	
Range							5.000%	

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6380.8**	**109470.**	**17913.**	**3227.2**
Stddev	21.1	832.	63.	10.4
%RSD	.33052	.76009	.35104	.32271
#1	6401.0	109930.	17876.	3237.9
#2	6358.9	109970.	17878.	3217.1
#3	6382.5	108510.	17986.	3226.6

Zoom In Zoom Out

Sample Name: ICB Acquired: 10/21/2025 9:19:25 Type: QC
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0005**	**.0081**	**.0012**	**.0044**	**.0003**	**.0002**	**.0002**	**.0051**	**.0003**
Stddev	.0002	.0017	.0012	.0004	.0000	.0000	.0001	.0015	.0001
%RSD	45.95	20.53	94.52	9.022	13.66	25.88	71.16	29.68	36.44
#1	-.0007	.0078	.0025	.0046	.0003	.0002	.0000	.0052	.0003
#2	-.0006	.0066	.0003	.0046	.0003	.0002	.0003	.0066	.0002
#3	-.0002	.0099	.0009	.0039	.0004	.0001	.0002	.0036	.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**-.0001**	**.0003**	**.0009**	**.0063**	**-.0005**	**.0040**	**.0088**	**.0003**
Stddev	.0029	.0002	.0001	.0004	.0007	.0123	.0006	.0027	.0000
%RSD	1195.	167.0	40.51	42.57	11.46	2322.	14.07	30.37	16.98
#1	.0031	.0001	.0004	.0011	.0070	-.0004	.0039	.0118	.0003
#2	-.0027	-.0002	.0002	.0004	.0063	.0117	.0035	.0077	.0003
#3	.0003	-.0003	.0004	.0011	.0056	-.0129	.0046	.0068	.0002
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0264**	**.0005**	**.0013**	**-.0011**	**-.0009**	**.0001**	**-.0003**	**.0008**
Stddev	.0001	.0038	.0002	.0013	.0010	.0017	.0018	.0015	.0008
%RSD	25.29	14.38	40.86	97.19	87.23	194.2	1406.	457.2	108.7
#1	.0004	.0283	.0003	.0007	-.0004	-.0011	-.0007	.0005	.0017
#2	.0006	.0289	.0006	.0004	-.0007	-.0024	.0022	.0005	.0007
#3	.0004	.0220	.0006	.0028	-.0022	.0009	-.0011	-.0021	-.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ICB Acquired: 10/21/2025 9:19:25 Type: QC
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0003**	**.0005**	**.0002**	**.0003**	**.0007**	**-.0010**	**.0002**
Stddev	.0012	.0001	.0002	.0027	.0001	.0003	.0001	.0002
%RSD	1242.	31.61	43.36	1465.	27.16	45.46	12.11	118.0
#1	.0014	.0004	.0003	.0029	.0004	.0004	-.0011	.0003
#2	-.0009	.0004	.0005	-.0025	.0003	.0007	-.0009	-.0001
#3	-.0002	.0002	.0007	.0001	.0002	.0011	-.0011	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6395.7**	**109480.**	**17574.**	**3266.6**
Stddev	3.5	282.	79.	2.2
%RSD	.05500	.25725	.44740	.06777
#1	6395.8	109370.	17524.	3268.4
#2	6399.2	109270.	17534.	3267.2
#3	6392.2	109800.	17665.	3264.1

Zoom In Zoom Out

Sample Name: ICCV Acquired: 10/21/2025 9:24:17 Type: QC
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2503**	**40.12**	**1.989**	**2.021**	**2.010**	**2.045**	**1.934**	**40.45**	**2.065**
Stddev	.0009	.08	.004	.005	.006	.009	.003	.23	.002
%RSD	.3534	.1937	.1942	.2528	.2810	.4617	.1483	.5722	.0863
#1	.2501	40.03	1.991	2.027	2.009	2.034	1.935	40.14	2.068
#2	.2512	40.12	1.986	2.020	2.005	2.043	1.938	40.50	2.064
#3	.2492	40.22	1.994	2.021	2.018	2.057	1.934	40.69	2.064
#4	.2507	40.12	1.986	2.015	2.008	2.046	1.931	40.48	2.064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.010**	**2.060**	**2.070**	**1.973**	**41.08**	**40.32**	**2.020**	**39.49**	**2.090**
Stddev	.004	.002	.003	.004	.12	.11	.010	.26	.003
%RSD	.2170	.0822	.1384	.2008	.2994	.2646	.4806	.6676	.1412
#1	2.009	2.057	2.066	1.973	40.91	40.21	2.020	39.11	2.086
#2	2.005	2.059	2.072	1.967	41.16	40.31	2.009	39.56	2.092
#3	2.013	2.061	2.072	1.977	41.19	40.47	2.033	39.71	2.092
#4	2.015	2.061	2.071	1.973	41.08	40.30	2.019	39.59	2.089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ICCV Acquired: 10/21/2025 9:24:17 Type: QC
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.032**	**40.51**	**2.059**	**2.064**	**2.057**	**2.015**	**1.998**	**2.017**	**5.036**
Stddev	.003	.08	.003	.002	.005	.004	.005	.003	.013
%RSD	.1275	.1895	.1593	.0851	.2574	.1813	.2755	.1599	.2607
#1	2.035	40.45	2.055	2.061	2.050	2.021	2.005	2.018	5.055
#2	2.033	40.48	2.061	2.063	2.060	2.013	1.999	2.018	5.036
#3	2.030	40.62	2.062	2.065	2.056	2.015	1.995	2.019	5.031
#4	2.030	40.48	2.059	2.065	2.062	2.013	1.993	2.012	5.024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.024**	**2.046**	**2.032**	**2.041**	**2.053**	**2.013**	**2.087**	**2.018**
Stddev	.003	.007	.003	.003	.002	.005	.004	.002
%RSD	.1448	.3220	.1383	.1469	.1127	.2540	.1740	.0928
#1	2.025	2.041	2.028	2.037	2.050	2.017	2.083	2.015
#2	2.025	2.042	2.034	2.041	2.053	2.012	2.091	2.019
#3	2.027	2.055	2.032	2.044	2.055	2.018	2.085	2.020
#4	2.020	2.045	2.034	2.041	2.056	2.007	2.089	2.018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Zoom In Zoom Out

Sample Name: ICCV Acquired: 10/21/2025 9:24:17 Type: QC
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6397.7**	**109080.**	**17586.**	**3226.6**
Stddev	15.4	131.	144.	3.8
%RSD	.24008	.12006	.82058	.11841
#1	6420.3	108980.	17799.	3228.8
#2	6391.0	109050.	17477.	3223.2
#3	6393.5	109270.	17530.	3230.8
#4	6386.0	109010.	17539.	3223.5

Zoom In Zoom Out

Sample Name: CCV Acquired: 10/21/2025 10:36:19 Type: QC
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2536**	**40.47**	**2.003**	**2.047**	**2.031**	**2.061**	**1.958**	**40.78**	**2.084**
Stddev	.0002	.05	.008	.009	.004	.002	.011	.04	.005
%RSD	.0905	.1139	.4057	.4640	.1915	.1158	.5495	.0878	.2459
#1	.2535	40.50	2.000	2.042	2.031	2.059	1.954	40.74	2.082
#2	.2534	40.48	1.997	2.042	2.035	2.064	1.950	40.81	2.079
#3	.2538	40.41	2.012	2.058	2.027	2.061	1.970	40.79	2.089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.028**	**2.092**	**2.086**	**1.996**	**41.48**	**40.77**	**2.038**	**39.68**	**2.101**
Stddev	.006	.003	.003	.004	.04	.01	.006	.02	.005
%RSD	.2746	.1384	.1208	.2134	.0986	.0324	.2969	.0534	.2509
#1	2.026	2.094	2.084	1.995	41.52	40.77	2.034	39.69	2.095
#2	2.024	2.093	2.089	1.993	41.45	40.76	2.045	39.69	2.102
#3	2.035	2.089	2.087	2.001	41.45	40.78	2.035	39.66	2.105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.057**	**40.93**	**2.083**	**2.091**	**2.082**	**2.049**	**2.029**	**2.050**	**5.101**
Stddev	.007	.08	.005	.007	.003	.010	.006	.004	.025
%RSD	.3191	.1845	.2274	.3161	.1440	.4978	.3191	.2123	.4894
#1	2.055	40.95	2.088	2.089	2.083	2.050	2.027	2.049	5.093
#2	2.051	40.99	2.083	2.085	2.083	2.038	2.023	2.046	5.081
#3	2.064	40.84	2.078	2.098	2.078	2.058	2.036	2.055	5.129
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: CCV Acquired: 10/21/2025 10:36:19 Type: QC
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.048**	**2.068**	**2.055**	**2.061**	**2.075**	**2.038**	**2.113**	**2.032**
Stddev	.006	.002	.000	.009	.002	.006	.008	.003
%RSD	.3032	.0729	.0205	.4502	.0926	.2736	.3696	.1347
#1	2.051	2.067	2.055	2.052	2.073	2.043	2.122	2.030
#2	2.041	2.070	2.055	2.060	2.076	2.032	2.110	2.031
#3	2.052	2.067	2.054	2.070	2.077	2.041	2.107	2.035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6327.9**	**108260.**	**17493.**	**3195.1**
Stddev	12.1	289.	44.	3.3
%RSD	.19088	.26658	.24950	.10410
#1	6325.2	108560.	17504.	3195.1
#2	6317.4	107980.	17530.	3198.4
#3	6341.1	108260.	17445.	3191.8

Zoom In Zoom Out

Sample Name: CCB Acquired: 10/21/2025 10:40:51 Type: QC
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**.0182**	**.0009**	**.0043**	**.0010**	**.0008**	**.0012**	**.0390**	**.0007**
Stddev	.0003	.0041	.0012	.0004	.0002	.0000	.0011	.0020	.0001
%RSD	191.8	22.46	133.8	8.159	23.95	5.734	86.77	5.108	14.04
#1	.0000	.0135	.0023	.0047	.0009	.0008	.0024	.0402	.0008
#2	-.0005	.0211	.0006	.0042	.0013	.0009	.0007	.0401	.0006
#3	.0000	.0200	-.0001	.0040	.0008	.0008	.0005	.0367	.0007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0014**	**.0001**	**.0006**	**.0015**	**.0212**	**.0059**	**.0032**	**.0077**	**.0008**
Stddev	.0012	.0003	.0000	.0003	.0015	.0120	.0012	.0007	.0001
%RSD	85.27	217.3	8.343	20.17	7.272	202.7	35.89	8.994	8.630
#1	.0005	.0004	.0006	.0017	.0228	.0162	.0027	.0072	.0009
#2	.0029	-.0001	.0006	.0017	.0211	-.0072	.0025	.0073	.0008
#3	.0009	.0001	.0005	.0012	.0198	.0087	.0046	.0085	.0008
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0456**	**.0008**	**.0009**	**-.0007**	**-.0015**	**-.0003**	**.0004**	**.0084**
Stddev	.0002	.0096	.0003	.0013	.0011	.0034	.0004	.0019	.0006
%RSD	41.04	21.02	37.71	143.1	156.6	227.0	137.5	523.3	7.367
#1	.0008	.0506	.0008	.0018	.0002	-.0054	-.0008	.0025	.0077
#2	.0003	.0515	.0010	.0014	-.0019	-.0005	.0001	-.0010	.0085
#3	.0005	.0345	.0004	-.0006	-.0004	.0013	-.0003	-.0004	.0090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: CCB Acquired: 10/21/2025 10:40:51 Type: QC
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0010**	**.0009**	**.0006**	**.0015**	**.0020**	**.0013**	**-.0008**	**.0007**
Stddev	.0008	.0001	.0002	.0010	.0002	.0007	.0002	.0001
%RSD	83.01	12.95	35.12	68.99	11.20	50.12	28.43	22.49
#1	.0014	.0010	.0005	.0025	.0021	.0020	-.0005	.0008
#2	.0000	.0008	.0008	.0016	.0022	.0006	-.0009	.0006
#3	.0016	.0008	.0004	.0004	.0018	.0015	-.0010	.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6344.3**	**108670.**	**17543.**	**3241.8**
Stddev	6.4	248.	121.	10.1
%RSD	.10120	.22782	.69066	.31205
#1	6337.9	108590.	17524.	3240.8
#2	6344.4	108940.	17433.	3232.2
#3	6350.7	108470.	17673.	3252.4

Zoom In Zoom Out

Sample Name: CRI Acquired: 10/21/2025 10:45:47 Type: QC
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0050**	**.2062**	**.0090**	**.1047**	**.2020**	**.0019**	**.0220**	**5.175**	**.0034**
Stddev	.0004	.0025	.0045	.0005	.0022	.0000	.0009	.014	.0001
%RSD	7.974	1.204	50.33	.5100	1.075	.9018	4.102	.2765	1.773
#1	.0052	.2089	.0142	.1047	.2043	.0019	.0231	5.188	.0033
#2	.0052	.2041	.0061	.1042	.2018	.0019	.0214	5.177	.0034
#3	.0045	.2054	.0067	.1053	.2000	.0019	.0216	5.160	.0034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0025**	**.0532**	**.0108**	**.0103**	**.1064**	**5.050**	**.0563**	**4.964**	**.0158**
Stddev	.0023	.0002	.0002	.0001	.0002	.007	.0015	.019	.0000
%RSD	93.41	.4663	1.789	1.359	.1496	.1495	2.594	.3883	.2381
#1	-.0002	.0531	.0107	.0104	.1064	5.048	.0579	4.982	.0158
#2	-.0049	.0534	.0110	.0101	.1062	5.043	.0550	4.968	.0159
#3	-.0024	.0530	.0108	.0103	.1065	5.058	.0560	4.943	.0158
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0209**	**5.082**	**.0110**	**.0541**	**.0034**	**.0484**	**.0050**	**.0100**	**.2179**
Stddev	.0004	.021	.0002	.0011	.0008	.0010	.0007	.0009	.0012
%RSD	1.701	.4149	2.055	1.986	23.24	2.079	14.41	9.284	.5720
#1	.0213	5.106	.0112	.0544	.0039	.0472	.0059	.0109	.2175
#2	.0207	5.075	.0111	.0550	.0025	.0486	.0047	.0099	.2169
#3	.0207	5.066	.0108	.0529	.0038	.0492	.0045	.0091	.2193
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: CRI Acquired: 10/21/2025 10:45:47 Type: QC
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0102**	**.0103**	**.0098**	**.0108**	**.0521**	**.0513**	**.0202**	**.0100**
Stddev	.0010	.0001	.0002	.0012	.0002	.0009	.0002	.0000
%RSD	9.586	.9120	2.000	11.22	.3906	1.813	1.072	.1998
#1	.0112	.0104	.0097	.0115	.0520	.0515	.0204	.0100
#2	.0093	.0102	.0101	.0094	.0523	.0502	.0199	.0100
#3	.0101	.0102	.0097	.0115	.0519	.0521	.0202	.0100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6334.8**	**108930.**	**17564.**	**3227.6**
Stddev	8.6	520.	57.	7.5
%RSD	.13612	.47754	.32468	.23305
#1	6344.1	109280.	17609.	3231.4
#2	6327.1	108330.	17583.	3232.4
#3	6333.3	109170.	17500.	3218.9

Zoom In Zoom Out

Sample Name: ALCONF Acquired: 10/21/2025 10:21:08 Type: Unk
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0004**	**F 455.5**	**-.0033**	**.0025**	**.0014**	**-.0000**	**-.0015**	**.0093**	**.0002**
Stddev	.0002	10.9	.0008	.0001	.0001	.0000	.0007	.0003	.0002
%RSD	47.50	2.386	24.27	6.049	6.647	132.4	47.85	3.479	79.98
#1	-.0005	464.7	-.0039	.0024	.0014	-.0001	-.0018	.0091	.0003
#2	-.0005	458.3	-.0024	.0026	.0013	.0000	-.0020	.0097	.0000
#3	-.0002	443.5	-.0036	.0023	.0015	-.0000	-.0007	.0092	.0003

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0055**	**-.0003**	**.0001**	**.0001**	**.0840**	**-.0689**	**.0064**	**.0129**	**-.0005**
Stddev	.0012	.0003	.0001	.0001	.0021	.0131	.0011	.0107	.0001
%RSD	22.57	80.82	119.8	36.25	2.458	18.95	16.39	82.81	13.46
#1	-.0043	-.0004	-.0000	.0001	.0850	-.0554	.0060	.0047	-.0004
#2	-.0067	-.0005	.0002	.0002	.0853	-.0814	.0076	.0250	-.0005
#3	-.0055	-.0000	.0002	.0002	.0816	-.0699	.0057	.0089	-.0005

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0009**	**.0189**	**-.0004**	**-.0031**	**-.0022**	**-.0099**	**-.0012**	**-.0019**	**.0072**
Stddev	.0004	.0035	.0002	.0013	.0003	.0022	.0012	.0046	.0009
%RSD	42.23	18.40	40.73	42.50	14.77	21.83	98.71	235.8	12.78
#1	.0007	.0224	-.0002	-.0045	-.0025	-.0091	-.0017	-.0039	.0062
#2	.0014	.0190	-.0005	-.0028	-.0020	-.0082	-.0020	.0033	.0079
#3	.0006	.0154	-.0005	-.0020	-.0020	-.0123	.0002	-.0052	.0077

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**-.0000**	**.0001**	**.0014**	**.0002**	**-.0010**	**-.0022**	**-.0000**
Stddev	.0009	.0000	.0003	.0027	.0003	.0020	.0001	.0002
%RSD	4624.	111.0	205.4	190.7	155.8	207.5	4.826	694.1
#1	-.0010	-.0000	.0003	-.0004	-.0001	-.0026	-.0022	-.0002
#2	.0005	-.0000	-.0002	.0045	.0001	.0012	-.0021	.0002
#3	.0005	.0000	.0003	.0001	.0005	-.0015	-.0023	-.0001

Zoom In Zoom Out

Sample Name: ALCONF Acquired: 10/21/2025 10:21:08 Type: Unk
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6377.5**	**109500.**	**18817.**	**3394.4**
Stddev	9.9	731.	22.	6.0
%RSD	.15558	.66724	.11481	.17816
#1	6378.9	110230.	18841.	3391.7
#2	6386.6	109490.	18799.	3401.3
#3	6366.9	108770.	18811.	3390.1

Zoom In Zoom Out

Sample Name: CACONF Acquired: 10/21/2025 10:26:11 Type: Unk
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**.1243**	**-.0007**	**.0033**	**.0028**	**-.0002**	**.0003**	F **400.8**	**.0018**
Stddev	.0000	.0026	.0030	.0004	.0003	.0000	.0004	.8	.0001
%RSD	7.415	2.101	399.6	13.29	9.903	23.14	137.4	.2036	7.220
#1	.0006	.1215	.0014	.0034	.0031	-.0001	.0005	400.4	.0020
#2	.0006	.1266	-.0041	.0036	.0026	-.0002	-.0002	400.3	.0018
#3	.0007	.1250	.0005	.0028	.0027	-.0002	.0006	401.8	.0017

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0045**	**-.0007**	**.0010**	**.0011**	**.0544**	**.0208**	**.0009**	**.0012**	**-.0040**
Stddev	.0033	.0003	.0003	.0001	.0022	.0076	.0010	.0130	.0000
%RSD	72.50	41.32	34.59	13.90	4.042	36.64	121.6	1055.	.6208
#1	.0080	-.0008	.0014	.0012	.0548	.0198	.0021	.0139	-.0039
#2	.0015	-.0009	.0008	.0010	.0520	.0137	.0004	-.0121	-.0040
#3	.0040	-.0004	.0008	.0010	.0563	.0289	.0002	.0019	-.0040

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0710**	**.0006**	**-.0077**	**-.0026**	**.0011**	**-.0033**	**-.0004**	**.0226**
Stddev	.0002	.0116	.0001	.0006	.0004	.0025	.0011	.0009	.0029
%RSD	37.37	16.36	18.85	7.378	16.40	234.3	32.03	222.1	12.86
#1	.0005	.0597	.0005	-.0082	-.0030	-.0013	-.0043	.0005	.0259
#2	.0005	.0829	.0006	-.0079	-.0022	.0038	-.0034	-.0004	.0217
#3	.0002	.0705	.0007	-.0071	-.0025	.0007	-.0022	-.0013	.0204

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0032**	**.0011**	**-.0005**	**-.0008**	**.0001**	**.0011**	**-.0036**	**-.0000**
Stddev	.0010	.0001	.0003	.0006	.0001	.0012	.0004	.0001
%RSD	31.83	6.085	56.52	66.72	91.31	107.8	12.16	223.2
#1	-.0023	.0010	-.0002	-.0008	.0000	.0007	-.0040	-.0002
#2	-.0030	.0011	-.0005	-.0003	.0002	.0002	-.0032	.0000
#3	-.0043	.0011	-.0008	-.0015	.0001	.0025	-.0035	-.0000

Zoom In Zoom Out

Sample Name: CACONF Acquired: 10/21/2025 10:26:11 Type: Unk
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6141.9**	**107350.**	**16913.**	**3099.9**
Stddev	11.4	166.	82.	5.5
%RSD	.18621	.15488	.48553	.17829
#1	6134.4	107200.	16822.	3096.1
#2	6155.0	107300.	16983.	3106.3
#3	6136.2	107530.	16933.	3097.3

Zoom In Zoom Out

Sample Name: VCONF Acquired: 10/21/2025 10:31:15 Type: Unk
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0070**	**.0100**	**.0032**	**.0025**	**-.0000**	F **-.0021**	**-.0016**	**.1063**
Stddev	.0003	.0032	.0011	.0009	.0000	.0000	.0012	.0151
%RSD	4.252	32.45	34.95	36.89	76.54	1.625	78.79	14.19
#1	.0071	.0106	.0035	.0024	-.0000	-.0022	-.0017	.0909
#2	.0066	.0064	.0019	.0035	-.0001	-.0021	-.0028	.1069
#3	.0072	.0128	.0041	.0016	-.0000	-.0021	-.0003	.1211

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**-.0025**	**-.0002**	**.0020**	**.0001**	**.0014**	**-.0005**	**.0016**
Stddev	.0003	.0009	.0003	.0001	.0001	.0006	.0277	.0014
%RSD	1754.	35.56	160.1	6.963	210.5	46.83	5922.	85.51
#1	-.0001	-.0035	-.0000	.0022	.0002	.0019	-.0322	.0020
#2	.0003	-.0019	-.0006	.0019	-.0001	.0006	.0188	.0001
#3	-.0002	-.0021	.0000	.0019	.0000	.0017	.0120	.0028

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0057**	**-.0001**	**-.0006**	**.0649**	**-.0001**	**-.0121**	**-.0018**	**-.0020**
Stddev	.0297	.0000	.0001	.0035	.0004	.0002	.0012	.0019
%RSD	523.7	6.684	18.09	5.435	637.0	2.057	66.85	96.55
#1	.0316	-.0001	-.0006	.0662	-.0000	-.0118	-.0026	-.0001
#2	-.0267	-.0001	-.0007	.0609	-.0005	-.0123	-.0004	-.0018
#3	.0121	-.0001	-.0005	.0676	.0003	-.0122	-.0024	-.0039

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0009**	**-.0002**	**-.0282**	**.0003**	**-.0001**	**.0000**	F **-.0167**	F **10.29**
Stddev	.0003	.0003	.0017	.0008	.0000	.0002	.0014	.05
%RSD	33.72	110.7	6.195	244.4	48.97	583.2	8.413	.4944
#1	-.0010	-.0002	-.0294	-.0004	-.0001	.0003	-.0152	10.34
#2	-.0011	-.0005	-.0291	.0002	-.0001	-.0000	-.0170	10.28
#3	-.0005	.0000	-.0262	.0012	-.0001	-.0001	-.0179	10.24

Zoom In Zoom Out

Sample Name: VCONF Acquired: 10/21/2025 10:31:15 Type: Unk
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.0017**	**-.0046**	**-.0078**
Stddev	.0004	.0001	.0001
%RSD	25.68	2.735	1.009
#1	.0013	-.0045	-.0077
#2	.0022	-.0047	-.0078
#3	.0017	-.0046	-.0079

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6346.6**	**108710.**	**17550.**	**3244.8**
Stddev	.4	228.	25.	2.5
%RSD	.00646	.21013	.14049	.07759
#1	6346.9	108440.	17540.	3244.6
#2	6346.7	108840.	17531.	3247.4
#3	6346.1	108840.	17578.	3242.4

Zoom In Zoom Out

Sample Name: CCB 7 Acquired: 10/21/2025 9:29:27 Type: QC
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0084**	**.0022**	**.0053**	**.0006**	**.0006**	**.0008**	**.0142**	**.0006**
Stddev	.0002	.0033	.0019	.0013	.0002	.0000	.0007	.0017	.0002
%RSD	465.7	39.59	88.19	24.22	33.67	6.143	86.78	12.05	31.00
#1	-.0003	.0080	.0035	.0067	.0008	.0007	.0014	.0160	.0006
#2	.0000	.0118	-.0000	.0051	.0007	.0006	.0000	.0126	.0004
#3	.0001	.0052	.0030	.0041	.0004	.0006	.0010	.0141	.0008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0009**	**.0001**	**.0005**	**.0012**	**.0147**	**.0044**	**.0059**	**.0167**	**.0007**
Stddev	.0006	.0001	.0001	.0002	.0024	.0239	.0005	.0021	.0000
%RSD	64.47	95.86	19.70	16.77	16.05	537.8	8.786	12.50	6.381
#1	.0009	.0001	.0006	.0011	.0173	-.0039	.0065	.0159	.0007
#2	.0014	.0002	.0004	.0011	.0138	.0314	.0055	.0191	.0007
#3	.0003	.0000	.0005	.0015	.0129	-.0141	.0058	.0151	.0006
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007**	**.0309**	**.0005**	**.0013**	**-.0001**	**-.0020**	**.0006**	**-.0017**	**.0011**
Stddev	.0001	.0031	.0003	.0012	.0004	.0017	.0010	.0029	.0005
%RSD	21.83	9.895	61.82	87.52	368.8	85.38	163.8	172.5	45.75
#1	.0007	.0279	.0009	.0026	.0004	-.0007	.0017	-.0035	.0015
#2	.0008	.0340	.0005	.0011	-.0004	-.0014	.0005	-.0033	.0011
#3	.0005	.0308	.0002	.0003	-.0003	-.0040	-.0004	.0017	.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: CCB 7 Acquired: 10/21/2025 9:29:27 Type: QC
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**.0006**	**.0011**	**-.0008**	**.0006**	**.0010**	**-.0009**	**.0005**
Stddev	.0010	.0001	.0001	.0002	.0004	.0014	.0002	.0001
%RSD	170.8	9.508	8.120	22.54	64.67	135.8	23.86	16.17
#1	-.0002	.0007	.0010	-.0006	.0011	.0021	-.0012	.0006
#2	.0017	.0006	.0011	-.0008	.0004	-.0005	-.0008	.0004
#3	.0003	.0006	.0012	-.0010	.0004	.0015	-.0009	.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6408.0**	**109000.**	**17513.**	**3268.7**
Stddev	10.6	473.	40.	4.8
%RSD	.16493	.43406	.22803	.14641
#1	6413.1	109520.	17479.	3270.7
#2	6415.1	108600.	17557.	3272.2
#3	6395.8	108880.	17504.	3263.3

Zoom In Zoom Out

Sample Name: CRI Acquired: 10/21/2025 9:34:40 Type: QC
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0052**	**.2033**	**.0084**	**.1052**	**.2020**	**.0022**	**.0209**	**5.162**	**.0032**
Stddev	.0003	.0044	.0020	.0003	.0002	.0000	.0013	.018	.0001
%RSD	6.577	2.166	23.33	.2879	.1132	.9214	6.116	.3395	3.113
#1	.0050	.2046	.0063	.1051	.2018	.0022	.0223	5.144	.0032
#2	.0051	.2068	.0087	.1049	.2020	.0022	.0204	5.179	.0033
#3	.0056	.1983	.0102	.1055	.2023	.0022	.0199	5.164	.0031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0006**	**.0519**	**.0107**	**.0097**	**.1069**	**4.997**	**.0569**	**5.032**	**.0159**
Stddev	.0015	.0001	.0002	.0001	.0027	.019	.0013	.020	.0001
%RSD	268.7	.1919	1.663	1.095	2.546	.3760	2.235	.4006	.5752
#1	.0007	.0519	.0108	.0096	.1045	4.977	.0579	5.012	.0158
#2	-.0023	.0520	.0106	.0097	.1064	5.000	.0573	5.052	.0160
#3	-.0001	.0518	.0109	.0099	.1098	5.015	.0554	5.033	.0158
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0206**	**5.021**	**.0107**	**.0532**	**.0035**	**.0500**	**.0055**	**.0084**	F **.5288**
Stddev	.0000	.006	.0002	.0005	.0010	.0020	.0007	.0007	.0004
%RSD	.2287	.1181	1.815	.9268	29.00	4.069	13.34	8.775	.0671
#1	.0206	5.019	.0109	.0530	.0041	.0521	.0047	.0089	.5285
#2	.0206	5.028	.0106	.0529	.0041	.0481	.0061	.0076	.5291
#3	.0205	5.016	.0105	.0538	.0023	.0498	.0056	.0088	.5290
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value									.2000
Range									20.00%

Zoom In Zoom Out

Sample Name: CRI Acquired: 10/21/2025 9:34:40 Type: QC
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0098**	**.0104**	**.0099**	**.0115**	**.0513**	**.0506**	F **.0247**	**.0101**
Stddev	.0006	.0001	.0002	.0018	.0001	.0006	.0002	.0001
%RSD	5.886	.6073	1.797	15.95	.2789	1.282	.9245	1.233
#1	.0101	.0104	.0098	.0095	.0513	.0503	.0245	.0101
#2	.0091	.0105	.0098	.0119	.0515	.0514	.0249	.0103
#3	.0101	.0104	.0101	.0131	.0512	.0502	.0247	.0100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value							.0200	
Range							20.00%	

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6403.2**	**108530.**	**17404.**	**3254.4**
Stddev	7.2	571.	100.	2.3
%RSD	.11318	.52654	.57722	.07031
#1	6411.0	108810.	17516.	3252.7
#2	6402.0	107870.	17373.	3257.0
#3	6396.7	108890.	17322.	3253.5

Zoom In Zoom Out

Sample Name: CRID Acquired: 10/21/2025 9:39:34 Type: QC
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.0003**	**.1028**	**.0028**	**.0028**	**.0042**	**.0009**	**-.0001**	**1.070**	**.0012**
Stddev	.0001	.0015	.0020	.0007	.0001	.0000	.0007	.005	.0002
%RSD	25.87	1.476	69.58	25.70	3.152	4.509	1197.	.5032	13.98
#1	.0002	.1045	.0048	.0034	.0043	.0009	.0003	1.066	.0011
#2	.0002	.1021	.0009	.0030	.0042	.0009	.0004	1.068	.0011
#3	.0003	.1017	.0028	.0020	.0041	.0010	-.0009	1.076	.0014
Check ?	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass
Value	.0020								
Range	-20.00%								

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0033**	**.0030**	**.0023**	F **.0007**	**.0002**	**2.064**	**.0019**	**.1102**	**.0032**
Stddev	.0010	.0002	.0001	.0001	.0006	.034	.0008	.0053	.0000
%RSD	30.36	5.791	5.513	17.16	291.4	1.649	44.44	4.808	1.410
#1	-.0044	.0029	.0023	.0007	-.0003	2.064	.0026	.1050	.0033
#2	-.0024	.0032	.0024	.0006	.0008	2.030	.0010	.1156	.0032
#3	-.0033	.0029	.0022	.0009	.0001	2.098	.0021	.1101	.0032
Check ?	None	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	None	Chk Pass	Chk Pass
Value				.0020					
Range				-20.00%					

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**1.045**	**.0047**	**.0005**	F **.0000**	**.0002**	F **.0001**	F **.0029**	**-.0037**
Stddev	.0004	.004	.0002	.0012	.0014	.0027	.0004	.0031	.0004
%RSD	523.9	.3813	3.867	254.6	6518.	1194.	257.6	107.1	10.01
#1	-.0000	1.041	.0045	.0010	-.0012	.0031	.0004	.0019	-.0039
#2	-.0003	1.049	.0048	-.0009	-.0002	-.0001	-.0003	.0004	-.0039
#3	.0005	1.043	.0048	.0013	.0015	-.0023	.0003	.0064	-.0033
Check ?	None	Chk Pass	Chk Pass	None	Chk Fail	None	Chk Fail	Chk Fail	None
Value					.0025		.0030	.0050	
Range					-20.00%		-20.00%	-20.00%	

Zoom In Zoom Out

Sample Name: CRID Acquired: 10/21/2025 9:39:34 Type: QC
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**-.0001**	**-.0000**	**.0019**	**.0019**	**.0010**	**.0099**	**-.0001**
Stddev	.0016	.0000	.0001	.0013	.0001	.0010	.0002	.0001
%RSD	929.3	34.21	1856.	68.03	2.652	103.0	1.681	124.8
#1	-.0007	-.0001	.0000	.0029	.0019	.0022	.0100	.0000
#2	.0017	-.0001	-.0001	.0022	.0020	.0004	.0101	-.0001
#3	-.0015	-.0001	.0001	.0005	.0019	.0004	.0098	-.0002
Check ?	None	None	None	Chk Pass	Chk Pass	None	Chk Pass	None
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6392.8**	**109000.**	**17497.**	**3260.1**
Stddev	8.2	67.	33.	5.7
%RSD	.12809	.06138	.18740	.17521
#1	6397.0	109070.	17466.	3263.0
#2	6398.1	108940.	17494.	3263.8
#3	6383.4	108980.	17531.	3253.5

Zoom In Zoom Out

Sample Name: ICSA Acquired: 10/21/2025 9:44:31 Type: QC
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**511.4**	**-.0000**	**.0002**	**.0020**	**-.0006**	**-.0045**	**382.1**	**-.0015**
Stddev	.0004	18.5	.0029	.0001	.0002	.0000	.0017	4.9	.0001
%RSD	81.41	3.616	9009.	56.85	9.700	1.888	37.69	1.276	3.630
#1	.0010	520.0	-.0011	.0003	.0022	-.0006	-.0065	386.3	-.0015
#2	.0002	490.2	-.0022	.0002	.0019	-.0007	-.0036	383.3	-.0016
#3	.0004	524.1	.0032	.0001	.0020	-.0006	-.0035	376.7	-.0015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0191**	**.0003**	**-.0004**	**-.0005**	**190.2**	**-.1548**	**.0027**	**507.9**	**-.0059**
Stddev	.0003	.0000	.0002	.0006	2.6	.0161	.0018	2.0	.0001
%RSD	1.559	11.08	34.55	122.2	1.364	10.41	65.86	.3955	2.030
#1	.0188	.0003	-.0006	.0001	193.2	-.1545	.0021	507.6	-.0061
#2	.0194	.0003	-.0003	-.0005	188.7	-.1389	.0013	506.0	-.0059
#3	.0192	.0003	-.0004	-.0010	188.7	-.1711	.0046	510.0	-.0058
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0021**	**.0686**	**-.0005**	**-.0180**	**-.0008**	**-.0270**	**-.0012**	**.0003**	**-.0034**
Stddev	.0004	.0031	.0005	.0014	.0015	.0009	.0008	.0035	.0013
%RSD	20.84	4.518	98.45	7.992	173.3	3.305	71.18	1132.	39.36
#1	.0017	.0670	-.0003	-.0196	-.0020	-.0260	-.0021	.0033	-.0036
#2	.0026	.0667	-.0011	-.0167	-.0013	-.0278	-.0007	.0012	-.0019
#3	.0021	.0722	-.0002	-.0177	.0008	-.0271	-.0007	-.0036	-.0046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

15.1
15

Zoom In Zoom Out

Sample Name: ICSA Acquired: 10/21/2025 9:44:31 Type: QC
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0021**	**.0011**	**-.0012**	**.0074**	**.0002**	**-.0022**	**.0040**	**.0020**
Stddev	.0015	.0001	.0003	.0002	.0002	.0011	.0006	.0000
%RSD	73.13	10.14	24.49	2.820	84.64	49.08	15.92	1.097
#1	-.0018	.0010	-.0011	.0073	.0004	-.0030	.0036	.0020
#2	-.0007	.0012	-.0009	.0073	.0003	-.0010	.0038	.0020
#3	-.0037	.0012	-.0015	.0077	.0000	-.0026	.0048	.0020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6009.1**	**105480.**	**17366.**	**3049.4**
Stddev	.9	423.	58.	1.7
%RSD	.01491	.40095	.33603	.05653
#1	6008.0	105260.	17385.	3051.4
#2	6009.4	105960.	17412.	3048.2
#3	6009.8	105200.	17300.	3048.5

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 10/21/2025 9:49:45 Type: QC
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.118**	**499.8**	**.9574**	**.5265**	**.5001**	**.4947**	**.4959**	**379.2**	**1.090**
Stddev	.001	8.7	.0056	.0016	.0013	.0014	.0023	.4	.004
%RSD	.0753	1.732	.5831	.2993	.2644	.2747	.4680	.1127	.3586
#1	1.119	490.3	.9513	.5248	.5013	.4934	.4947	378.9	1.088
#2	1.119	501.7	.9584	.5270	.4987	.4947	.4944	379.7	1.088
#3	1.117	507.3	.9624	.5279	.5003	.4961	.4985	379.0	1.095
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5335**	**.5207**	**.4821**	**.5440**	**189.4**	**-.1152**	**.5603**	**499.6**	**.5104**
Stddev	.0018	.0008	.0010	.0007	2.6	.0158	.0025	2.4	.0012
%RSD	.3451	.1625	.2145	.1353	1.373	13.73	.4501	.4844	.2254
#1	.5324	.5215	.4828	.5444	190.3	-.0977	.5632	497.0	.5111
#2	.5356	.5199	.4809	.5432	186.5	-.1284	.5588	500.0	.5090
#3	.5324	.5208	.4825	.5445	191.4	-.1196	.5590	501.7	.5110
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5024**	**.0975**	**1.017**	**.5193**	**.9950**	**.4794**	**1.026**	**1.007**	**.4316**
Stddev	.0014	.0042	.001	.0022	.0018	.0050	.004	.003	.0013
%RSD	.2765	4.329	.1388	.4204	.1812	1.034	.4206	.3344	.3109
#1	.5012	.1017	1.016	.5168	.9939	.4778	1.025	1.005	.4332
#2	.5021	.0933	1.016	.5201	.9941	.4754	1.022	1.006	.4308
#3	.5039	.0975	1.018	.5209	.9971	.4849	1.031	1.011	.4309
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 10/21/2025 9:49:45 Type: QC
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4828**	**.4975**	**.4943**	**.9962**	**.5079**	**.4928**	**.9673**	**.4835**
Stddev	.0008	.0012	.0003	.0019	.0015	.0027	.0010	.0011
%RSD	.1710	.2420	.0530	.1916	.2872	.5428	.1029	.2349
#1	.4822	.4982	.4940	.9945	.5094	.4926	.9663	.4846
#2	.4837	.4961	.4942	.9982	.5065	.4902	.9682	.4823
#3	.4823	.4981	.4945	.9957	.5079	.4955	.9674	.4836
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6053.3**	**105220.**	**17403.**	**3067.7**
Stddev	11.5	210.	163.	8.3
%RSD	.18939	.19976	.93648	.27118
#1	6061.0	104980.	17589.	3075.4
#2	6058.8	105290.	17331.	3068.9
#3	6040.1	105380.	17288.	3058.9

Zoom In Zoom Out

Sample Name: HSTD Acquired: 10/21/2025 9:54:43 Type: QC
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6483**	**.0773**	**7.725**	**7.733**	**7.888**	**7.844**	**7.362**	**.1766**	**7.437**
Stddev	.0008	.0458	.028	.014	.558	.170	.012	.0344	.003
%RSD	.1157	59.28	.3599	.1825	7.074	2.161	.1565	19.50	.0390
#1	.6491	.0288	7.719	7.716	7.340	8.030	7.349	.1379	7.434
#2	.6477	.0832	7.700	7.738	7.868	7.806	7.369	.1882	7.435
#3	.6482	.1198	7.755	7.743	8.455	7.697	7.369	.2037	7.440
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0168**	**7.976**	**8.154**	**7.318**	**.0998**	**.4160**	**8.026**	**.4183**	**7.911**
Stddev	.0007	.009	.005	.009	.0179	.0063	.018	.0512	.082
%RSD	4.329	.1079	.0631	.1234	17.94	1.516	.2213	12.23	1.036
#1	.0160	7.986	8.159	7.308	.0799	.4125	8.022	.3596	7.906
#2	.0171	7.971	8.155	7.326	.1048	.4123	8.046	.4421	7.995
#3	.0173	7.971	8.149	7.318	.1146	.4233	8.011	.4532	7.831
Check ?	None	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass	None	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.875**	**.1077**	**8.012**	**7.902**	**7.985**	**95.30**	**7.708**	**7.795**	**25.13**
Stddev	.007	.0001	.006	.009	.009	.03	.013	.005	.03
%RSD	.0862	.1317	.0786	.1190	.1066	.0318	.1648	.0609	.1132
#1	7.870	.1078	8.019	7.901	7.995	95.32	7.693	7.798	25.10
#2	7.871	.1075	8.009	7.894	7.981	95.31	7.716	7.798	25.15
#3	7.882	.1077	8.007	7.912	7.980	95.26	7.714	7.790	25.13
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: HSTD Acquired: 10/21/2025 9:54:43 Type: QC
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.915**	**7.853**	**7.944**	**7.806**	**8.013**	**8.070**	**8.239**	**7.819**
Stddev	.007	.058	.006	.012	.009	.009	.013	.034
%RSD	.0856	.7385	.0710	.1501	.1128	.1085	.1630	.4284
#1	7.922	7.905	7.949	7.819	8.023	8.061	8.253	7.825
#2	7.909	7.864	7.937	7.797	8.011	8.070	8.226	7.849
#3	7.916	7.791	7.945	7.801	8.005	8.078	8.238	7.783
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6516.2**	**109770.**	**17655.**	**3228.1**
Stddev	5.2	375.	87.	5.1
%RSD	.07980	.34142	.49483	.15653
#1	6514.7	110000.	17740.	3231.5
#2	6521.9	109330.	17659.	3230.5
#3	6511.8	109960.	17565.	3222.3

Zoom In Zoom Out

Sample Name: HSTD Acquired: 10/21/2025 10:00:09 Type: QC
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**301.4**	**-.0013**	**.0079**	**.0024**	**.0002**	**-.0027**	**190.1**	**.0003**
Stddev	.0004	1.8	.0031	.0005	.0001	.0000	.0007	2.4	.0002
%RSD	98.56	.6034	248.6	5.702	4.357	1.849	23.92	1.286	81.22
#1	.0003	299.5	.0017	.0080	.0024	.0002	-.0025	192.7	.0003
#2	.0008	301.7	-.0046	.0074	.0024	.0003	-.0022	187.8	.0005
#3	.0000	303.1	-.0009	.0083	.0023	.0003	-.0035	189.8	.0000
Check ?	None	Chk Pass	None	None	None	None	None	Chk Pass	None
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0203**	**.0009**	**.0003**	**.0008**	**188.2**	**204.6**	**.0154**	**300.5**	**-.0027**
Stddev	.0009	.0003	.0002	.0008	4.7	.1	.0005	.7	.0001
%RSD	4.599	34.14	49.62	99.50	2.523	.0641	3.459	.2459	3.708
#1	.0208	.0009	.0004	.0015	191.1	204.6	.0155	300.9	-.0028
#2	.0209	.0006	.0004	-.0000	182.7	204.5	.0148	299.7	-.0026
#3	.0193	.0012	.0001	.0008	190.8	204.7	.0159	301.0	-.0026
Check ?	None	None	None	None	Chk Pass	Chk Pass	None	Chk Pass	None
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0026**	**199.0**	**-.0001**	**-.0115**	**.0008**	**-.0045**	**.0016**	**-.0006**	**.0233**
Stddev	.0005	5.1	.0004	.0034	.0015	.0022	.0003	.0022	.0038
%RSD	17.90	2.587	293.7	29.99	180.0	47.75	18.07	361.4	16.45
#1	.0021	201.3	-.0005	-.0111	.0012	-.0021	.0013	.0016	.0275
#2	.0026	193.1	-.0002	-.0082	-.0008	-.0062	.0019	-.0006	.0225
#3	.0031	202.6	.0003	-.0151	.0020	-.0053	.0015	-.0028	.0200
Check ?	None	Chk Pass	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: HSTD Acquired: 10/21/2025 10:00:09 Type: QC
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0006**	**.0012**	**-.0002**	**.0043**	**.0007**	**.0012**	**.0021**	**.0027**
Stddev	.0009	.0001	.0003	.0014	.0003	.0019	.0001	.0002
%RSD	138.6	6.381	152.6	32.70	49.21	160.9	3.773	6.925
#1	-.0007	.0011	-.0000	.0043	.0008	-.0004	.0021	.0028
#2	.0003	.0012	-.0000	.0057	.0003	.0032	.0020	.0025
#3	-.0015	.0012	-.0006	.0029	.0009	.0006	.0020	.0029
Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6072.9**	**105940.**	**17251.**	**3075.7**
Stddev	6.7	600.	94.	3.9
%RSD	.10952	.56614	.54252	.12706
#1	6072.1	106590.	17176.	3077.5
#2	6080.0	105810.	17356.	3078.4
#3	6066.8	105410.	17222.	3071.2

Zoom In Zoom Out

Sample Name: EMPTYCONF Acquired: 10/21/2025 10:05:31 Type: Unk
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0008**	**-.0028**	**.0048**	**.0025**	**-.0001**	**-.0003**	**.0038**	**-.0030**
Stddev	.0001	.0029	.0004	.0003	.0001	.0000	.0003	.0014
%RSD	11.45	102.2	8.845	13.75	92.80	2.113	8.141	47.26
#1	-.0008	-.0008	.0045	.0021	-.0000	-.0003	.0037	-.0020
#2	-.0010	-.0062	.0053	.0027	-.0003	-.0003	.0041	-.0024
#3	-.0008	-.0016	.0046	.0026	-.0001	-.0003	.0035	-.0046

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0004**	**-.0012**	**-.0000**	**-.0001**	**F -.0207**	**-.0018**	**-.0156**	**.0047**
Stddev	.0000	.0005	.0001	.0000	.0002	.0005	.0157	.0008
%RSD	7.527	37.02	175.0	16.25	.7353	29.42	100.8	17.75
#1	-.0003	-.0017	-.0001	-.0001	-.0209	-.0019	-.0021	.0046
#2	-.0004	-.0013	.0000	-.0001	-.0207	-.0022	-.0119	.0055
#3	-.0004	-.0007	-.0001	-.0001	-.0206	-.0012	-.0328	.0039

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0050**	**-.0001**	**-.0007**	**-.0109**	**-.0003**	**-.0031**	**.0005**	**-.0055**
Stddev	.0036	.0000	.0000	.0010	.0001	.0006	.0005	.0005
%RSD	71.18	7.220	2.350	9.331	25.77	18.17	96.03	9.796
#1	.0090	-.0001	-.0007	-.0121	-.0004	-.0036	.0000	-.0051
#2	.0019	-.0001	-.0007	-.0105	-.0003	-.0031	.0009	-.0061
#3	.0042	-.0001	-.0007	-.0101	-.0002	-.0025	.0005	-.0053

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**-.0021**	**-.0073**	**-.0012**	**-.0002**	**.0002**	**.0046**	**-.0002**
Stddev	.0001	.0004	.0003	.0001	.0000	.0001	.0004	.0000
%RSD	59.29	17.25	4.595	5.545	12.32	44.40	8.001	22.24
#1	-.0001	-.0019	-.0071	-.0012	-.0002	.0001	.0047	-.0002
#2	-.0003	-.0019	-.0071	-.0011	-.0002	.0002	.0041	-.0002
#3	-.0002	-.0025	-.0077	-.0012	-.0002	.0001	.0048	-.0003

Zoom In Zoom Out

Sample Name: EMPTYCONF Acquired: 10/21/2025 10:05:31 Type: Unk
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.0010**	**-.0021**	**.0002**
Stddev	.0002	.0000	.0000
%RSD	23.23	.7400	15.60
#1	-.0010	-.0021	.0002
#2	-.0007	-.0021	.0002
#3	-.0011	-.0021	.0002

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**20011.**	**329740.**	**35077.**	**10895.**
Stddev	64.	5161.	410.	41.
%RSD	.31882	1.5650	1.1685	.37920
#1	20084.	335290.	35036.	10943.
#2	19982.	328850.	34689.	10874.
#3	19966.	325090.	35505.	10868.

Zoom In Zoom Out

Sample Name: EMPTYCONF Acquired: 10/21/2025 10:10:35 Type: Unk
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0008**	**.0011**	**.0032**	**.0017**	**-.0003**	**-.0003**	**.0030**	**-.0035**
Stddev	.0001	.0039	.0002	.0000	.0001	.0000	.0007	.0008
%RSD	14.41	348.2	7.118	1.675	20.01	9.242	22.35	23.51
#1	-.0007	-.0015	.0032	.0018	-.0002	-.0003	.0037	-.0032
#2	-.0009	.0055	.0034	.0017	-.0003	-.0003	.0024	-.0045
#3	-.0009	-.0007	.0029	.0018	-.0002	-.0003	.0031	-.0029

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0004**	**-.0010**	**-.0001**	**-.0000**	F **-.0209**	**-.0014**	**-.0240**	**.0038**
Stddev	.0001	.0012	.0002	.0001	.0001	.0003	.0187	.0013
%RSD	19.67	120.6	205.6	316.3	.5297	21.46	77.78	33.83
#1	-.0003	.0002	.0001	-.0001	-.0208	-.0012	-.0251	.0053
#2	-.0004	-.0010	-.0001	-.0001	-.0210	-.0018	-.0421	.0029
#3	-.0004	-.0022	-.0002	.0001	-.0208	-.0013	-.0048	.0033

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0100**	**-.0001**	**-.0007**	**-.0176**	**-.0002**	**-.0033**	**.0009**	**-.0068**
Stddev	.0104	.0000	.0001	.0005	.0001	.0002	.0002	.0010
%RSD	103.9	7.636	12.21	2.869	58.94	5.375	20.54	14.25
#1	.0015	-.0001	-.0006	-.0182	-.0003	-.0034	.0011	-.0057
#2	.0069	-.0001	-.0008	-.0173	-.0002	-.0035	.0007	-.0071
#3	.0215	-.0001	-.0007	-.0173	-.0001	-.0031	.0008	-.0076

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0006**	**-.0025**	**-.0085**	**-.0013**	**-.0002**	**.0000**	**.0045**	**-.0001**
Stddev	.0005	.0004	.0003	.0002	.0000	.0000	.0005	.0001
%RSD	74.86	17.16	3.713	19.07	20.98	99.87	11.61	60.76
#1	-.0011	-.0023	-.0083	-.0016	-.0002	.0000	.0039	-.0001
#2	-.0003	-.0030	-.0083	-.0011	-.0002	.0001	.0049	-.0002
#3	-.0005	-.0022	-.0089	-.0013	-.0001	-.0000	.0048	-.0000

Zoom In Zoom Out

Sample Name: EMPTYCONF Acquired: 10/21/2025 10:10:35 Type: Unk
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.0013**	**-.0021**	**.0002**
Stddev	.0003	.0000	.0000
%RSD	22.39	1.749	20.61
#1	-.0010	-.0021	.0002
#2	-.0015	-.0021	.0001
#3	-.0014	-.0021	.0002

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**20110.**	**330760.**	**34975.**	**10947.**
Stddev	53.	3552.	200.	31.
%RSD	.26583	1.0739	.57173	.28725
#1	20116.	327190.	34765.	10945.
#2	20160.	334290.	34997.	10979.
#3	20053.	330810.	35163.	10916.

Zoom In Zoom Out

Sample Name: FECONF Acquired: 10/21/2025 10:16:07 Type: Unk
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0005**	**.0379**	**-.0018**	**.0020**	**.0001**	**.0001**	**-.0022**	**.1218**	**.0003**
Stddev	.0002	.0065	.0035	.0008	.0002	.0000	.0008	.1515	.0002
%RSD	44.78	17.18	196.9	39.86	240.9	25.03	37.70	124.4	59.77
#1	-.0006	.0416	-.0021	.0029	-.0001	.0001	-.0029	.0272	.0001
#2	-.0007	.0418	.0019	.0013	.0001	.0001	-.0023	.0416	.0003
#3	-.0003	.0304	-.0051	.0020	.0003	.0002	-.0013	.2965	.0006

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0102**	**.0008**	**-.0007**	**-.0038**	F **201.6**	**-.1392**	**.0080**	**.0401**	**-.0002**
Stddev	.0009	.0000	.0004	.0008	6.0	.0118	.0007	.0074	.0003
%RSD	9.096	3.599	53.02	20.95	2.990	8.457	8.140	18.57	169.4
#1	.0094	.0009	-.0009	-.0034	205.5	-.1450	.0085	.0429	.0002
#2	.0099	.0008	-.0010	-.0033	204.6	-.1257	.0082	.0457	-.0003
#3	.0112	.0008	-.0003	-.0047	194.7	-.1470	.0072	.0316	-.0003

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0013**	**.3256**	**-.0014**	**-.0055**	**-.0011**	**-.0038**	**.0024**	**.0048**	**.0180**
Stddev	.0004	.4438	.0001	.0006	.0017	.0036	.0028	.0031	.0016
%RSD	33.75	136.3	7.376	10.35	153.8	93.94	115.0	64.16	8.845
#1	.0016	.0402	-.0015	-.0058	-.0031	-.0024	-.0005	.0053	.0173
#2	.0013	.0996	-.0014	-.0048	-.0001	-.0079	.0027	.0076	.0169
#3	.0008	.8369	-.0013	-.0058	-.0001	-.0011	.0051	.0015	.0198

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0025**	**.0003**	**.0001**	**.0021**	**-.0002**	**.0008**	**-.0004**	**.0028**
Stddev	.0008	.0003	.0003	.0010	.0000	.0005	.0002	.0001
%RSD	31.47	111.4	329.8	46.70	13.38	59.52	43.81	4.407
#1	.0016	.0001	.0001	.0032	-.0002	.0010	-.0006	.0030
#2	.0028	.0001	.0003	.0014	-.0003	.0010	-.0004	.0027
#3	.0032	.0007	-.0002	.0017	-.0002	.0002	-.0002	.0028

Zoom In Zoom Out

Sample Name: FECONF Acquired: 10/21/2025 10:16:07 Type: Unk
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6500.5**	**108450.**	**17534.**	**3222.5**
Stddev	12.8	364.	47.	2.6
%RSD	.19721	.33547	.26766	.08108
#1	6487.2	108300.	17493.	3224.6
#2	6512.8	108870.	17523.	3219.6
#3	6501.4	108200.	17585.	3223.4

Zoom In Zoom Out

Sample Name: MP58034-MB1 Acquired: 10/21/2025 10:50:40 Type: Unk
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: AS/PB

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**.0067**	**.0008**	**.1353**	**.0001**	**-.0002**	**.0002**	**.0093**	**.0001**
Stddev	.0004	.0019	.0008	.0004	.0001	.0000	.0011	.0005	.0001
%RSD	224.8	27.74	102.0	.2965	119.0	18.19	747.0	5.868	101.0
#1	.0002	.0046	-.0001	.1348	.0001	-.0002	.0014	.0090	.0002
#2	-.0006	.0075	.0013	.1356	.0002	-.0003	-.0006	.0099	.0002
#3	-.0001	.0080	.0013	.1355	-.0000	-.0002	-.0004	.0090	-.0000

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**-.0006**	**-.0000**	**.0053**	**.0154**	**-.0136**	**.0055**	**.0021**	**.0004**
Stddev	.0014	.0001	.0001	.0003	.0018	.0247	.0002	.0070	.0000
%RSD	748.1	24.05	603.2	5.876	11.56	182.0	3.541	338.4	10.23
#1	-.0013	-.0007	-.0001	.0049	.0134	-.0074	.0057	.0058	.0004
#2	.0004	-.0004	.0001	.0054	.0168	-.0409	.0053	.0064	.0004
#3	.0015	-.0005	-.0001	.0055	.0160	.0074	.0054	-.0060	.0003

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0262**	**.0007**	**.0038**	**-.0015**	**.0066**	**-.0008**	**-.0006**	**1.989**
Stddev	.0002	.0022	.0002	.0004	.0012	.0030	.0006	.0029	.007
%RSD	192.2	8.429	21.37	10.55	84.70	44.99	78.52	476.6	.3785
#1	.0000	.0242	.0007	.0042	-.0025	.0099	-.0014	.0016	1.982
#2	-.0001	.0286	.0006	.0037	-.0017	.0059	-.0009	.0005	1.988
#3	.0003	.0258	.0009	.0034	-.0001	.0040	-.0001	-.0039	1.997

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**-.0002**	**.0001**	**-.0002**	**.0001**	**-.0002**	**.0017**	**-.0003**
Stddev	.0006	.0000	.0002	.0019	.0003	.0008	.0001	.0001
%RSD	107.6	18.76	171.3	794.3	407.1	365.9	8.685	25.63
#1	.0000	-.0002	.0000	-.0024	.0001	.0007	.0015	-.0003
#2	.0012	-.0002	-.0000	.0009	.0004	-.0005	.0017	-.0004
#3	.0004	-.0002	.0003	.0008	-.0003	-.0007	.0018	-.0003

Zoom In Zoom Out

Sample Name: MP58034-MB1 Acquired: 10/21/2025 10:50:40 Type: Unk
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: AS/PB

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6319.9**	**108730.**	**17954.**	**3222.7**
Stddev	17.3	319.	84.	14.1
%RSD	.27296	.29295	.47045	.43895
#1	6337.9	109090.	17977.	3238.5
#2	6318.1	108470.	17861.	3218.5
#3	6303.6	108640.	18026.	3211.2

Zoom In Zoom Out

Sample Name: MP58085-MB1 Acquired: 10/21/2025 10:55:35 Type: Unk
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**-.0034**	**-.0025**	**.4805**	**-.0005**	**-.0003**	**.0007**	**.0208**	**.0001**
Stddev	.0004	.0032	.0026	.0007	.0001	.0000	.0008	.0015	.0001
%RSD	198.5	93.90	106.4	.1467	14.00	13.27	111.6	7.079	47.89
#1	-.0004	-.0019	-.0039	.4799	-.0006	-.0002	.0015	.0209	.0001
#2	-.0005	-.0071	-.0041	.4813	-.0005	-.0003	.0007	.0223	.0002
#3	.0002	-.0012	.0006	.4803	-.0004	-.0003	-.0001	.0193	.0002

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0050**	**-.0004**	**.0000**	**.0015**	**.0102**	**-.0195**	**.0025**	**.0059**	**.0000**
Stddev	.0022	.0004	.0002	.0001	.0024	.0542	.0014	.0043	.0000
%RSD	44.68	87.67	544.7	7.561	23.21	278.1	56.50	73.08	173.8
#1	-.0075	-.0001	.0003	.0015	.0075	.0340	.0032	.0108	.0000
#2	-.0040	-.0008	.0000	.0017	.0111	-.0181	.0009	.0030	.0000
#3	-.0034	-.0003	-.0002	.0014	.0120	-.0744	.0033	.0038	-.0000

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0637**	**.0007**	**.0059**	**-.0012**	**.0102**	**.0001**	**-.0003**	**7.162**
Stddev	.0002	.0091	.0003	.0007	.0007	.0007	.0010	.0016	.010
%RSD	120.6	14.35	38.43	11.05	57.72	7.287	777.9	476.3	.1341
#1	.0003	.0591	.0007	.0061	-.0004	.0100	-.0009	-.0017	7.163
#2	.0001	.0742	.0004	.0052	-.0016	.0095	.0001	-.0008	7.172
#3	-.0000	.0578	.0009	.0065	-.0015	.0110	.0011	.0014	7.152

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**-.0003**	**-.0000**	**.0016**	**-.0001**	**-.0013**	**.0009**	**-.0005**
Stddev	.0008	.0000	.0003	.0015	.0003	.0013	.0001	.0001
%RSD	255.9	14.74	603.9	94.16	545.9	97.16	14.51	22.48
#1	-.0004	-.0003	-.0002	.0001	.0002	.0002	.0009	-.0004
#2	.0011	-.0003	.0003	.0032	-.0004	-.0020	.0008	-.0005
#3	.0001	-.0003	-.0002	.0016	-.0000	-.0022	.0011	-.0007

Zoom In Zoom Out

Sample Name: MP58085-MB1 Acquired: 10/21/2025 10:55:35 Type: Unk
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6330.6**	**109110.**	**17433.**	**3231.1**
Stddev	9.7	157.	622.	8.7
%RSD	.15308	.14351	3.5695	.26993
#1	6327.2	109280.	17612.	3233.5
#2	6323.1	109050.	16740.	3221.4
#3	6341.6	108980.	17945.	3238.4

Zoom In Zoom Out

Sample Name: MP58085-B1 Acquired: 10/21/2025 11:00:29 Type: Unk
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2631**	**25.02**	**1.963**	**2.434**	**1.967**	**2.008**	**-.0069**	**25.30**
Stddev	.0017	1.26	.004	.008	.097	.102	.0022	1.31
%RSD	.6410	5.051	.1986	.3140	4.931	5.090	31.96	5.175
#1	.2646	25.38	1.967	2.436	1.995	2.035	-.0087	25.60
#2	.2636	26.06	1.961	2.425	2.047	2.094	-.0074	26.44
#3	.2613	23.61	1.960	2.440	1.859	1.895	-.0045	23.87

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.028**	**.0030**	**2.042**	**2.051**	**1.955**	**25.72**	**25.12**	**.0036**
Stddev	.002	.0013	.003	.008	.017	1.26	1.20	.0018
%RSD	.1009	43.63	.1282	.4117	.8864	4.893	4.784	49.39
#1	2.028	.0036	2.041	2.058	1.963	26.02	25.39	.0055
#2	2.026	.0040	2.041	2.054	1.968	26.80	26.15	.0032
#3	2.030	.0015	2.045	2.042	1.936	24.33	23.80	.0020

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.31**	**2.059**	**2.048**	**25.38**	**2.038**	**-.0011**	**2.024**	**-.0110**
Stddev	1.25	.008	.004	1.23	.000	.0016	.005	.0030
%RSD	5.153	.3848	.2061	4.825	.0130	141.4	.2271	27.69
#1	24.56	2.064	2.050	25.73	2.038	-.0001	2.024	-.0075
#2	25.42	2.063	2.044	26.40	2.038	-.0003	2.029	-.0128
#3	22.95	2.050	2.052	24.02	2.038	-.0029	2.020	-.0126

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.003**	**1.964**	**6.764**	**2.029**	**2.006**	**2.046**	W **2.003**	**2.037**
Stddev	.006	.001	.010	.002	.101	.012	.000	.011
%RSD	.2786	.0241	.1459	.1080	5.027	.6005	.0174	.5379
#1	2.004	1.964	6.766	2.032	2.035	2.057	2.003	2.044
#2	1.997	1.963	6.754	2.028	2.089	2.049	2.003	2.042
#3	2.008	1.964	6.773	2.028	1.894	2.033	2.004	2.024

Zoom In Zoom Out

Sample Name: MP58085-B1 Acquired: 10/21/2025 11:00:29 Type: Unk
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**1.924**	**2.053**	**2.028**
Stddev	.007	.002	.012
%RSD	.3879	.1076	.6111
#1	1.922	2.055	2.033
#2	1.917	2.051	2.036
#3	1.932	2.054	2.013

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6386.8**	**108970.**	**17972.**	**3215.4**
Stddev	8.0	296.	834.	6.2
%RSD	.12512	.27205	4.6422	.19216
#1	6393.0	108640.	17775.	3214.7
#2	6389.7	109040.	17255.	3221.8
#3	6377.8	109220.	18888.	3209.5

Zoom In Zoom Out

Sample Name: MP58104-LS1 Acquired: 10/21/2025 11:05:07 Type: Unk
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2668**	**25.05**	**1.973**	**2.464**	**1.966**	**2.010**	**-.0067**	**25.26**
Stddev	.0040	.03	.038	.084	.007	.001	.0016	.02
%RSD	1.488	.1270	1.948	3.399	.3494	.0533	23.93	.0863
#1	.2644	25.01	1.951	2.403	1.970	2.011	-.0071	25.27
#2	.2647	25.06	1.951	2.429	1.969	2.009	-.0050	25.28
#3	.2714	25.07	2.017	2.559	1.958	2.011	-.0081	25.24

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.053**	**.0022**	**2.026**	**2.035**	**1.938**	**25.74**	**25.17**	**.0016**
Stddev	.041	.0003	.037	.006	.008	.05	.04	.0019
%RSD	1.975	12.01	1.834	.3149	.4040	.1939	.1410	123.7
#1	2.022	.0022	2.043	2.038	1.941	25.73	25.17	.0017
#2	2.038	.0025	2.051	2.027	1.945	25.80	25.20	.0034
#3	2.099	.0019	1.983	2.039	1.930	25.70	25.13	-.0004

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.20**	**2.039**	**2.067**	**26.98**	**2.016**	**.0059**	**1.999**	**.0143**
Stddev	.04	.004	.030	.13	.037	.0110	.044	.0091
%RSD	.1856	.1924	1.465	.4674	1.833	185.1	2.203	63.81
#1	24.25	2.041	2.042	26.96	2.035	-.0005	2.025	.0078
#2	24.19	2.035	2.058	27.11	2.040	-.0003	2.023	.0103
#3	24.17	2.042	2.100	26.86	1.974	.0186	1.948	.0248

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.036**	**2.000**	**5.802**	**2.043**	**2.006**	**2.034**	W **1.978**	**2.020**
Stddev	.042	.038	.282	.037	.002	.002	.044	.003
%RSD	2.049	1.905	4.860	1.805	.1062	.1068	2.225	.1469
#1	2.001	1.970	5.607	2.017	2.008	2.034	2.001	2.023
#2	2.026	1.987	5.675	2.026	2.006	2.032	2.006	2.018
#3	2.082	2.042	6.126	2.085	2.004	2.036	1.927	2.018

Zoom In Zoom Out

Sample Name: MP58104-LS1 Acquired: 10/21/2025 11:05:07 Type: Unk
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**2.034**	**2.073**	**2.013**
Stddev	.043	.042	.002
%RSD	2.112	2.004	.1025
#1	2.003	2.051	2.011
#2	2.017	2.047	2.012
#3	2.083	2.121	2.015

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	*****	**108860.**	**17707.**	*****
Stddev	-----	235.	34.	-----
%RSD	-----	.21597	.19002	-----
#1	6359.9	108800.	17736.	3209.2
#2	6347.1	109110.	17715.	3188.0
#3	-----	108660.	17670.	-----

Zoom In Zoom Out

Sample Name: MP58085-S1 Acquired: 10/21/2025 11:09:42 Type: Unk
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2620**	**24.39**	**1.917**	**2.157**	**2.064**	**1.946**	**-.0063**	**63.69**
Stddev	.0033	.09	.001	.004	.005	.010	.0006	.43
%RSD	1.249	.3563	.0278	.2088	.2313	.5251	9.851	.6801
#1	.2611	24.33	1.917	2.155	2.059	1.938	-.0056	63.45
#2	.2656	24.49	1.917	2.163	2.068	1.957	-.0064	64.19
#3	.2592	24.35	1.916	2.155	2.066	1.942	-.0068	63.44

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.000**	**.0058**	**1.995**	**1.935**	**1.941**	**24.97**	**31.18**	**.0050**
Stddev	.004	.0017	.003	.027	.028	.07	.07	.0004
%RSD	.2205	29.09	.1369	1.378	1.423	.2689	.2211	7.277
#1	1.996	.0045	1.992	1.926	1.933	24.97	31.19	.0050
#2	2.004	.0078	1.996	1.965	1.972	25.03	31.24	.0047
#3	2.001	.0053	1.997	1.914	1.919	24.90	31.10	.0054

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**29.13**	**2.016**	**1.986**	F **306.4**	**1.974**	**-.0007**	**1.980**	**7.277**
Stddev	.24	.027	.004	9.9	.004	.0010	.003	.005
%RSD	.8338	1.328	.1747	3.228	.1855	149.9	.1340	.0751
#1	28.99	2.001	1.982	304.3	1.971	.0003	1.978	7.271
#2	29.41	2.047	1.988	317.2	1.971	-.0007	1.980	7.280
#3	28.99	2.001	1.987	297.7	1.978	-.0016	1.983	7.281

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.982**	**1.958**	**6.765**	**1.968**	**2.166**	**1.969**	W **1.988**	**1.942**
Stddev	.005	.008	.020	.003	.010	.028	.006	.026
%RSD	.2449	.3889	.2969	.1518	.4450	1.419	.3175	1.356
#1	1.977	1.950	6.743	1.965	2.158	1.960	1.982	1.935
#2	1.987	1.963	6.781	1.971	2.177	2.001	1.986	1.971
#3	1.983	1.963	6.772	1.968	2.164	1.947	1.995	1.920

Zoom In Zoom Out

Sample Name: MP58085-S1 Acquired: 10/21/2025 11:09:42 Type: Unk
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**1.949**	**1.965**	**1.954**
Stddev	.003	.001	.028
%RSD	.1319	.0610	1.440
#1	1.947	1.964	1.942
#2	1.951	1.966	1.986
#3	1.951	1.965	1.934

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6208.7**	**109260.**	**17644.**	**3155.6**
Stddev	8.5	1157.	179.	5.0
%RSD	.13612	1.0588	1.0157	.15703
#1	6218.4	109920.	17712.	3158.7
#2	6204.7	107920.	17441.	3149.9
#3	6202.9	109940.	17780.	3158.3

Zoom In Zoom Out

Sample Name: MP58085-S2 Acquired: 10/21/2025 11:14:25 Type: Unk
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2633**	**24.79**	**1.944**	**2.186**	**2.077**	**1.959**	**-.0058**	**63.69**
Stddev	.0010	.05	.005	.001	.002	.003	.0007	.28
%RSD	.3753	.1825	.2397	.0391	.0918	.1474	12.34	.4356
#1	.2629	24.74	1.949	2.187	2.076	1.956	-.0061	63.41
#2	.2645	24.83	1.943	2.187	2.075	1.962	-.0063	63.97
#3	.2626	24.81	1.939	2.185	2.079	1.959	-.0050	63.69

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.029**	**.0053**	**2.026**	**1.960**	**1.948**	**25.42**	**31.68**	**.0018**
Stddev	.004	.0008	.003	.003	.004	.08	.08	.0007
%RSD	.1893	15.80	.1564	.1754	.1997	.3205	.2413	37.81
#1	2.033	.0061	2.028	1.959	1.947	25.33	31.60	.0025
#2	2.029	.0044	2.022	1.964	1.944	25.46	31.68	.0012
#3	2.026	.0053	2.027	1.957	1.952	25.47	31.75	.0018

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**29.19**	**2.031**	**2.014**	F **310.8**	**1.998**	**-.0013**	**2.006**	**7.358**
Stddev	.19	.001	.003	2.1	.001	.0004	.003	.020
%RSD	.6426	.0690	.1627	.6881	.0601	28.72	.1346	.2719
#1	29.09	2.033	2.017	309.4	1.999	-.0011	2.004	7.381
#2	29.40	2.030	2.012	313.3	1.997	-.0011	2.009	7.349
#3	29.07	2.030	2.011	309.7	1.998	-.0018	2.005	7.344

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.016**	**2.001**	**6.393**	**1.997**	**2.160**	**1.988**	W **2.015**	**1.963**
Stddev	.001	.005	.007	.006	.039	.004	.005	.001
%RSD	.0474	.2574	.1175	.2842	1.815	.1825	.2288	.0564
#1	2.016	2.006	6.398	2.003	2.183	1.986	2.020	1.964
#2	2.015	1.996	6.397	1.993	2.115	1.992	2.011	1.964
#3	2.017	2.003	6.385	1.994	2.182	1.986	2.014	1.962

Zoom In Zoom Out

Sample Name: MP58085-S2 Acquired: 10/21/2025 11:14:25 Type: Unk
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**1.973**	**1.987**	**1.964**
Stddev	.003	.007	.003
%RSD	.1586	.3331	.1309
#1	1.977	1.994	1.966
#2	1.971	1.981	1.962
#3	1.972	1.986	1.965

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6196.1**	**109720.**	**17878.**	**3144.2**
Stddev	2.1	240.	137.	3.5
%RSD	.03352	.21870	.76871	.11278
#1	6194.9	109960.	17983.	3140.3
#2	6194.9	109480.	17722.	3145.1
#3	6198.5	109710.	17927.	3147.2

Zoom In Zoom Out

Sample Name: JE21317-1 Acquired: 10/21/2025 11:19:10 Type: Unk
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**.0069**	**-.0006**	**.2189**	**.1659**	**-.0002**	**.0005**	**39.43**
Stddev	.0002	.0060	.0016	.0010	.0009	.0000	.0007	.18
%RSD	28.09	86.64	257.6	.4763	.5447	5.210	132.4	.4519
#1	.0007	.0131	-.0023	.2200	.1649	-.0002	.0008	39.29
#2	.0004	.0011	.0007	.2188	.1665	-.0002	-.0003	39.36
#3	.0008	.0067	-.0001	.2179	.1663	-.0002	.0011	39.63

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**-.0033**	**.0035**	**.0004**	**.0027**	**.0946**	**6.141**	**.0010**
Stddev	.0002	.0016	.0001	.0001	.0003	.0014	.043	.0002
%RSD	76.89	47.54	3.241	22.19	11.35	1.469	.6990	24.53
#1	.0000	-.0044	.0034	.0004	.0023	.0951	6.132	.0010
#2	.0004	-.0015	.0036	.0005	.0029	.0957	6.188	.0012
#3	.0002	-.0040	.0035	.0003	.0027	.0931	6.104	.0007

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.958**	**.0820**	**.0010**	F **278.9**	**.0014**	**.0023**	F **-.0033**	**7.377**
Stddev	.056	.0003	.0001	6.5	.0003	.0012	.0011	.024
%RSD	.9328	.4198	6.880	2.324	22.92	53.74	31.69	.3185
#1	5.947	.0817	.0010	283.6	.0010	.0009	-.0022	7.398
#2	5.908	.0823	.0010	271.5	.0016	.0031	-.0043	7.381
#3	6.018	.0821	.0009	281.5	.0016	.0030	-.0036	7.352

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0004**	**-.0010**	**6.908**	**-.0013**	**.2293**	**-.0005**	**-.0000**	**-.0000**
Stddev	.0005	.0030	.035	.0004	.0015	.0004	.0025	.0002
%RSD	124.6	293.2	.5017	27.88	.6639	74.61	18520.	4320.
#1	.0002	.0017	6.922	-.0009	.2280	-.0003	-.0020	.0002
#2	-.0006	-.0042	6.933	-.0016	.2310	-.0009	-.0008	-.0001
#3	-.0007	-.0006	6.869	-.0014	.2289	-.0002	.0028	-.0001

Zoom In Zoom Out

Sample Name: JE21317-1 Acquired: 10/21/2025 11:19:10 Type: Unk
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.0053**	**-.0012**	**-.0001**
Stddev	.0012	.0001	.0001
%RSD	22.42	11.71	90.27
#1	.0059	-.0012	.0000
#2	.0039	-.0013	-.0002
#3	.0060	-.0010	-.0002

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6185.9**	**109100.**	**17664.**	**3150.8**
Stddev	9.0	289.	170.	8.3
%RSD	.14521	.26449	.96117	.26440
#1	6190.6	109410.	17563.	3152.0
#2	6175.5	108840.	17860.	3142.0
#3	6191.5	109050.	17569.	3158.5

Zoom In Zoom Out

Sample Name: MP58085-SD1 Acquired: 10/21/2025 11:24:10 Type: Unk
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0037**	**-.0303**	**.0174**	**.0128**	**-.0008**	**-.0013**	**.0171**	**-.0064**
Stddev	.0009	.0202	.0047	.0006	.0005	.0001	.0008	.0032
%RSD	24.08	66.69	27.27	5.058	61.63	8.379	4.651	50.17
#1	-.0027	-.0210	.0200	.0121	-.0012	-.0014	.0179	-.0031
#2	-.0045	-.0164	.0119	.0128	-.0008	-.0012	.0168	-.0095
#3	-.0039	-.0535	.0203	.0134	-.0003	-.0013	.0164	-.0067

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0017**	**-.0214**	**-.0008**	**-.0001**	F **-.1018**	**-.0126**	**-.1457**	**.0122**
Stddev	.0003	.0052	.0005	.0003	.0007	.0018	.0348	.0032
%RSD	20.25	24.21	63.60	447.6	.6509	14.43	23.85	26.53
#1	-.0013	-.0158	-.0012	-.0004	-.1026	-.0107	-.1297	.0085
#2	-.0018	-.0224	-.0009	.0002	-.1013	-.0128	-.1218	.0138
#3	-.0019	-.0260	-.0002	-.0001	-.1017	-.0143	-.1856	.0143

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0051**	**-.0007**	**-.0033**	**-.0431**	**.0000**	**-.0231**	**.0011**	**-.0287**
Stddev	.0207	.0001	.0003	.0028	.0004	.0011	.0011	.0045
%RSD	405.3	10.57	8.448	6.540	758.4	4.582	105.4	15.80
#1	-.0176	-.0007	-.0036	-.0450	.0004	-.0219	.0014	-.0268
#2	.0230	-.0008	-.0033	-.0444	.0000	-.0234	.0020	-.0339
#3	.0099	-.0006	-.0030	-.0399	-.0003	-.0239	-.0002	-.0254

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0049**	**-.0120**	**-.0469**	**-.0034**	**-.0007**	**.0002**	**.0203**	**-.0008**
Stddev	.0024	.0025	.0036	.0003	.0002	.0010	.0015	.0004
%RSD	47.73	20.80	7.629	9.071	29.05	441.3	7.287	47.71
#1	-.0036	-.0108	-.0428	-.0034	-.0005	-.0010	.0208	-.0013
#2	-.0036	-.0149	-.0490	-.0031	-.0009	.0007	.0215	-.0006
#3	-.0077	-.0103	-.0490	-.0037	-.0007	.0009	.0187	-.0006

Zoom In Zoom Out

Sample Name: MP58085-SD1 Acquired: 10/21/2025 11:24:10 Type: Unk
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.0007**	**-.0103**	**.0011**
Stddev	.0004	.0002	.0001
%RSD	56.96	1.659	5.220
#1	-.0004	-.0102	.0010
#2	-.0006	-.0102	.0011
#3	-.0012	-.0105	.0011

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**19983.**	**332370.**	**36005.**	**10993.**
Stddev	365.	3737.	279.	211.
%RSD	1.8281	1.1243	.77498	1.9156
#1	19562.	336540.	35797.	10752.
#2	20165.	331210.	36322.	11091.
#3	20220.	329350.	35895.	11137.

Zoom In Zoom Out

Sample Name: JE21034-1 Acquired: 10/21/2025 11:29:13 Type: Unk
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.4136**	**.0021**	**.3025**	**.2678**	**-.0002**	**.0010**	**180.9**	**-.0007**
Stddev	.0001	.0221	.0010	.0005	.0118	.0000	.0019	4.3	.0001
%RSD	101.6	5.348	45.18	.1556	4.420	25.63	200.4	2.359	12.31
#1	.0001	.4319	.0019	.3022	.2744	-.0002	-.0007	182.9	-.0007
#2	-.0000	.4199	.0013	.3023	.2747	-.0003	.0031	183.8	-.0008
#3	.0002	.3890	.0032	.3030	.2541	-.0002	.0005	176.0	-.0006

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0010**	**-.0009**	**.0016**	**.0108**	**1.255**	**7.779**	**.0586**	**36.07**	**.3254**
Stddev	.0013	.0003	.0001	.0002	.053	.316	.0034	1.40	.0003
%RSD	126.7	32.57	3.808	1.496	4.222	4.062	5.715	3.880	.1016
#1	-.0012	-.0007	.0015	.0107	1.286	7.975	.0611	36.79	.3253
#2	-.0022	-.0008	.0016	.0107	1.286	7.946	.0600	36.97	.3252
#3	.0004	-.0012	.0016	.0109	1.194	7.414	.0548	34.46	.3258

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0014**	**F 415.5**	**.0012**	**.1298**	**-.0004**	**35.32**	**-.0023**	**-.0009**	**12.43**
Stddev	.0004	14.7	.0003	.0018	.0005	.08	.0002	.0018	.03
%RSD	24.91	3.547	23.30	1.407	123.8	.2169	9.752	197.8	.2661
#1	.0013	423.1	.0009	.1279	-.0001	35.26	-.0025	.0010	12.41
#2	.0018	424.9	.0014	.1301	-.0002	35.30	-.0021	-.0012	12.41
#3	.0012	398.5	.0013	.1315	-.0011	35.41	-.0023	-.0026	12.47

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0022**	**.9882**	**.0119**	**-.0008**	**.0012**	**.0033**	**.0009**	**.0001**
Stddev	.0013	.0435	.0009	.0005	.0001	.0009	.0001	.0002
%RSD	59.21	4.404	7.590	60.11	10.87	26.27	10.40	187.2
#1	-.0033	1.013	.0120	-.0005	.0011	.0038	.0008	.0002
#2	-.0025	1.014	.0127	-.0005	.0011	.0023	.0010	.0002
#3	-.0008	.9379	.0109	-.0014	.0013	.0039	.0010	-.0001

Zoom In Zoom Out

Sample Name: JE21034-1 Acquired: 10/21/2025 11:29:13 Type: Unk
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5946.9**	**107860.**	**17669.**	**3036.9**
Stddev	4.6	346.	531.	5.6
%RSD	.07690	.32121	3.0033	.18526
#1	5950.8	108220.	17405.	3043.3
#2	5948.1	107840.	17323.	3035.0
#3	5941.9	107530.	18280.	3032.5

Zoom In Zoom Out

Sample Name: CCV Acquired: 10/21/2025 11:34:21 Type: QC
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2569**	**40.59**	**1.967**	**2.087**	**1.987**	**2.047**	**2.015**	**40.54**	**2.120**
Stddev	.0008	.05	.002	.004	.006	.009	.003	.16	.001
%RSD	.2952	.1124	.1152	.1790	.3283	.4457	.1539	.3899	.0303
#1	.2565	40.64	1.967	2.083	1.994	2.057	2.012	40.72	2.119
#2	.2578	40.59	1.970	2.087	1.986	2.045	2.014	40.44	2.120
#3	.2564	40.55	1.965	2.090	1.981	2.039	2.018	40.47	2.121
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.029**	**2.143**	**2.105**	**2.008**	**42.01**	**41.48**	**2.001**	**38.28**	**2.093**
Stddev	.005	.003	.012	.008	.04	.04	.010	.27	.007
%RSD	.2298	.1296	.5579	.3908	.0987	.0910	.5130	.6942	.3494
#1	2.031	2.143	2.111	2.005	42.02	41.44	2.010	38.58	2.096
#2	2.023	2.141	2.113	2.002	41.97	41.48	2.003	38.07	2.099
#3	2.032	2.146	2.092	2.017	42.05	41.52	1.990	38.20	2.085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.097**	**41.33**	**2.123**	**2.125**	**2.113**	**2.100**	**2.073**	**2.094**	**5.219**
Stddev	.001	.03	.002	.007	.002	.004	.003	.005	.009
%RSD	.0468	.0763	.0729	.3228	.0845	.1688	.1278	.2510	.1737
#1	2.097	41.36	2.124	2.117	2.115	2.102	2.070	2.088	5.209
#2	2.096	41.33	2.122	2.128	2.112	2.102	2.072	2.097	5.220
#3	2.098	41.29	2.124	2.130	2.113	2.096	2.076	2.097	5.227
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: CCV Acquired: 10/21/2025 11:34:21 Type: QC
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.082**	**2.062**	**2.078**	**2.094**	**2.092**	**2.063**	**2.134**	**2.040**
Stddev	.002	.009	.003	.006	.004	.001	.002	.001
%RSD	.1064	.4220	.1236	.2779	.1988	.0450	.0730	.0445
#1	2.080	2.071	2.080	2.091	2.093	2.062	2.136	2.040
#2	2.081	2.061	2.078	2.100	2.095	2.064	2.134	2.040
#3	2.084	2.053	2.075	2.090	2.087	2.063	2.132	2.041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6245.3**	**108900.**	**17745.**	**3160.1**
Stddev	11.9	476.	118.	3.4
%RSD	.19123	.43705	.66440	.10651
#1	6243.5	109000.	17633.	3161.0
#2	6258.0	108380.	17868.	3163.0
#3	6234.3	109310.	17735.	3156.4

Zoom In Zoom Out

Sample Name: CCB Acquired: 10/21/2025 11:38:52 Type: QC
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**.0027**	**.0007**	**.0065**	**.0004**	**.0003**	**.0016**	**.0126**	**.0006**
Stddev	.0000	.0062	.0009	.0005	.0003	.0001	.0008	.0042	.0001
%RSD	119.4	226.8	127.2	7.420	77.06	40.75	46.40	33.08	19.74
#1	.0000	.0035	.0006	.0071	.0000	.0002	.0023	.0081	.0005
#2	-.0000	-.0038	.0017	.0062	.0007	.0002	.0008	.0132	.0007
#3	-.0001	.0084	-.0001	.0064	.0006	.0004	.0017	.0164	.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0036**	**.0000**	**.0005**	**.0019**	**.0087**	**-.0293**	**.0048**	**.0053**	**.0005**
Stddev	.0023	.0002	.0001	.0003	.0029	.0220	.0001	.0079	.0000
%RSD	62.89	360.1	26.91	13.33	32.90	75.21	2.466	149.2	8.534
#1	-.0022	-.0001	.0006	.0018	.0062	-.0052	.0049	-.0034	.0005
#2	-.0025	.0000	.0003	.0017	.0081	-.0341	.0047	.0121	.0005
#3	-.0063	.0002	.0004	.0022	.0119	-.0484	.0047	.0072	.0004
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0641**	**.0007**	**-.0011**	**-.0009**	**-.0013**	**-.0006**	**-.0004**	**.0072**
Stddev	.0002	.0052	.0001	.0011	.0014	.0021	.0009	.0013	.0010
%RSD	37.18	8.178	9.214	103.0	162.6	168.2	153.6	296.2	13.17
#1	.0004	.0671	.0007	-.0019	-.0025	.0007	.0004	.0009	.0067
#2	.0008	.0580	.0006	-.0014	-.0002	-.0035	-.0007	-.0016	.0083
#3	.0004	.0672	.0007	.0002	.0001	-.0010	-.0013	-.0007	.0067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: CCB Acquired: 10/21/2025 11:38:52 Type: QC
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0014**	**.0004**	**.0006**	**-.0006**	**.0003**	**.0030**	**-.0008**	**.0004**
Stddev	.0010	.0001	.0001	.0011	.0001	.0007	.0002	.0001
%RSD	76.67	33.17	24.45	190.0	21.45	23.16	27.55	32.21
#1	.0002	.0003	.0006	-.0012	.0003	.0037	-.0010	.0005
#2	.0022	.0003	.0004	-.0011	.0004	.0029	-.0006	.0002
#3	.0016	.0005	.0007	.0007	.0002	.0024	-.0008	.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6247.8**	**109400.**	**17734.**	**3193.1**
Stddev	15.6	98.	77.	10.3
%RSD	.24909	.08942	.43317	.32366
#1	6263.2	109520.	17646.	3204.7
#2	6232.1	109350.	17769.	3184.8
#3	6248.2	109340.	17786.	3189.7

Zoom In Zoom Out

Sample Name: JE21034-6 Acquired: 10/21/2025 11:43:49 Type: Unk
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**.0455**	**.0010**	**.5285**	**.9431**	**-.0003**	**-.0001**	**170.0**	**-.0003**
Stddev	.0001	.0083	.0009	.0018	.0053	.0000	.0010	1.3	.0006
%RSD	328.2	18.25	97.82	.3331	.5617	17.02	1115.	.7711	190.8
#1	-.0001	.0547	.0018	.5276	.9492	-.0002	-.0013	169.4	.0003
#2	-.0001	.0432	.0010	.5274	.9394	-.0003	.0004	171.4	-.0008
#3	.0001	.0386	-.0000	.5305	.9407	-.0003	.0006	169.0	-.0005

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0009**	**.0009**	**.0044**	**1.407**	**18.32**	**.4549**	**37.82**	**.3430**
Stddev	.0016	.0007	.0001	.0046	.016	.08	.0045	.13	.0383
%RSD	2511.	77.24	13.79	103.2	1.127	.4535	.9836	.3452	11.18
#1	.0017	-.0001	.0010	.0097	1.390	18.25	.4601	37.69	.3873
#2	-.0015	-.0012	.0008	.0019	1.421	18.41	.4528	37.95	.3201
#3	-.0000	-.0013	.0009	.0017	1.410	18.31	.4519	37.83	.3217

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0016**	**F 331.2**	**.0015**	**.0583**	**-.0012**	**4.013**	**-.0016**	**.0001**	**17.54**
Stddev	.0003	8.7	.0003	.0053	.0018	.014	.0016	.0006	.07
%RSD	16.86	2.636	20.49	9.016	154.1	.3438	102.3	768.3	.4238
#1	.0013	323.5	.0015	.0641	.0009	4.022	.0002	.0002	17.56
#2	.0019	340.7	.0012	.0570	-.0026	3.997	-.0020	.0005	17.46
#3	.0016	329.3	.0018	.0538	-.0018	4.020	-.0030	-.0006	17.61

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0027**	**2.200**	**-.0009**	**-.0018**	**.0023**	**.0026**	**.0034**	**.0015**
Stddev	.0005	.012	.0004	.0010	.0001	.0006	.0015	.0005
%RSD	19.89	.5304	39.41	56.84	2.328	21.71	44.99	30.49
#1	-.0033	2.213	-.0005	-.0023	.0023	.0021	.0051	.0020
#2	-.0027	2.192	-.0011	-.0025	.0023	.0032	.0023	.0012
#3	-.0022	2.194	-.0012	-.0006	.0022	.0024	.0027	.0013

Zoom In Zoom Out

Sample Name: JE21034-6 Acquired: 10/21/2025 11:43:49 Type: Unk
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5995.9**	*****	**17511.**	**3050.7**
Stddev	24.7	-----	180.	15.0
%RSD	.41254	-----	1.0254	.49097
#1	6007.9	-----	17710.	3052.9
#2	6012.3	109540.	17361.	3064.5
#3	5967.4	109230.	17461.	3034.8

Zoom In Zoom Out

Sample Name: JE21153-4 Acquired: 10/21/2025 11:48:52 Type: Unk
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0944**	**.0050**	**1.208**	**1.729**	**-.0005**	**-.0029**	F **255.3**
Stddev	.0005	.0016	.0016	.006	.007	.0001	.0014	.5
%RSD	157.4	1.649	32.47	.5181	.4329	11.51	46.77	.2099
#1	.0008	.0952	.0064	1.205	1.726	-.0006	-.0043	255.1
#2	.0003	.0926	.0053	1.204	1.738	-.0005	-.0031	254.9
#3	-.0002	.0953	.0032	1.215	1.724	-.0006	-.0015	255.9

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0011**	**.0005**	**-.0014**	**.0012**	**.0020**	**16.38**	**9.093**	**.0953**
Stddev	.0003	.0007	.0000	.0001	.0003	.02	.016	.0015
%RSD	23.91	148.2	3.571	10.43	14.70	.1159	.1806	1.584
#1	-.0009	.0012	-.0015	.0011	.0020	16.38	9.089	.0947
#2	-.0014	.0006	-.0014	.0013	.0017	16.36	9.112	.0970
#3	-.0011	-.0003	-.0014	.0012	.0023	16.40	9.080	.0942

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**138.7**	**2.090**	**.0013**	F **210.7**	**.0043**	**.0502**	F **-.0030**	**.4448**
Stddev	.3	.030	.0002	2.1	.0001	.0008	.0010	.0063
%RSD	.2395	1.449	15.31	.9883	2.988	1.639	31.41	1.407
#1	138.3	2.069	.0014	209.2	.0042	.0498	-.0023	.4429
#2	138.9	2.077	.0014	210.0	.0042	.0497	-.0041	.4397
#3	138.9	2.125	.0011	213.1	.0044	.0512	-.0027	.4518

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0014**	**.0025**	**8.210**	**-.0023**	**2.340**	**-.0006**	**-.0072**	**.0007**
Stddev	.0004	.0015	.039	.0008	.036	.0001	.0036	.0001
%RSD	30.38	60.09	.4715	34.92	1.526	21.14	50.14	18.73
#1	-.0017	.0030	8.191	-.0029	2.343	-.0007	-.0058	.0006
#2	-.0009	.0037	8.185	-.0014	2.375	-.0007	-.0113	.0009
#3	-.0016	.0008	8.255	-.0024	2.304	-.0005	-.0045	.0007

Zoom In Zoom Out

Sample Name: JE21153-4 Acquired: 10/21/2025 11:48:52 Type: Unk
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.0043**	**.0084**	**-.0001**
Stddev	.0007	.0002	.0001
%RSD	15.65	2.473	143.7
#1	.0042	.0082	-.0001
#2	.0051	.0085	.0000
#3	.0037	.0085	-.0002

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5896.3**	**108370.**	**17525.**	**2967.2**
Stddev	28.5	1018.	57.	13.4
%RSD	.48339	.93943	.32438	.45277
#1	5921.4	109050.	17473.	2976.4
#2	5902.3	108850.	17585.	2973.4
#3	5865.3	107200.	17516.	2951.8

Zoom In Zoom Out

Sample Name: JE21153-4F Acquired: 10/21/2025 11:54:05 Type: Unk
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.1284**	**.0039**	**1.180**	**1.734**	**-.0005**	**-.0029**	F **258.0**
Stddev	.0004	.0107	.0033	.001	.007	.0000	.0004	1.1
%RSD	99.44	8.365	82.85	.0851	.3846	5.266	15.25	.4363
#1	.0000	.1404	.0075	1.180	1.742	-.0005	-.0028	259.3
#2	.0009	.1197	.0011	1.181	1.731	-.0005	-.0024	257.1
#3	.0004	.1250	.0033	1.179	1.730	-.0006	-.0033	257.7

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0008**	**-.0023**	**-.0014**	**.0013**	**.0023**	**17.03**	**9.297**	**.0945**
Stddev	.0000	.0016	.0003	.0001	.0007	.02	.019	.0021
%RSD	5.459	71.14	22.80	10.24	30.15	.1190	.2040	2.222
#1	-.0008	-.0010	-.0012	.0015	.0021	17.05	9.278	.0968
#2	-.0008	-.0041	-.0018	.0012	.0031	17.02	9.315	.0927
#3	-.0007	-.0017	-.0013	.0013	.0017	17.01	9.298	.0940

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**141.6**	**2.086**	**.0014**	F **218.6**	**.0045**	**.0580**	F **-.0039**	**.4672**
Stddev	.5	.046	.0002	3.6	.0002	.0008	.0015	.0073
%RSD	.3787	2.202	17.64	1.651	3.849	1.404	38.08	1.556
#1	142.1	2.065	.0015	222.8	.0044	.0570	-.0022	.4603
#2	141.1	2.139	.0011	216.8	.0045	.0582	-.0049	.4664
#3	141.6	2.055	.0015	216.3	.0047	.0586	-.0046	.4748

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0014**	**.0029**	**7.800**	**-.0025**	**2.362**	**.0004**	**-.0047**	**.0008**
Stddev	.0012	.0020	.003	.0008	.041	.0004	.0005	.0002
%RSD	86.99	68.26	.0344	31.94	1.721	101.4	11.01	20.62
#1	-.0008	.0010	7.801	-.0020	2.392	.0007	-.0042	.0009
#2	-.0006	.0050	7.797	-.0034	2.377	-.0001	-.0047	.0009
#3	-.0028	.0028	7.802	-.0021	2.315	.0005	-.0053	.0006

Zoom In Zoom Out

Sample Name: JE21153-4F Acquired: 10/21/2025 11:54:05 Type: Unk
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.0037**	**.0155**	**-.0000**
Stddev	.0006	.0001	.0001
%RSD	16.93	.7006	345.8
#1	.0043	.0155	.0000
#2	.0030	.0157	-.0001
#3	.0037	.0154	.0000

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5922.9**	**107860.**	**17461.**	**2981.6**
Stddev	11.6	2145.	58.	5.3
%RSD	.19649	1.9887	.33472	.17882
#1	5930.9	108950.	17394.	2983.8
#2	5928.2	105380.	17501.	2985.6
#3	5909.5	109230.	17487.	2975.6

Zoom In Zoom Out

Sample Name: JE21261-3 Acquired: 10/21/2025 11:59:20 Type: Unk
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007**	**.0027**	**-.0007**	**.1190**	**.0000**	**-.0000**	**-.0014**	**.0436**	**.0004**
Stddev	.0004	.0030	.0009	.0006	.0003	.0000	.0004	.0012	.0002
%RSD	61.46	114.5	127.0	.5179	687.1	23.84	29.39	2.644	39.00
#1	.0007	.0062	-.0002	.1196	.0001	-.0000	-.0009	.0449	.0002
#2	.0003	.0012	-.0017	.1191	.0002	-.0000	-.0017	.0427	.0006
#3	.0012	.0006	-.0002	.1184	-.0003	-.0000	-.0015	.0432	.0005

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0061**	**-.0007**	**.0000**	**.0030**	**.0015**	**-.0008**	**.0024**	**.0009**	**.0000**
Stddev	.0016	.0004	.0000	.0002	.0015	.0220	.0004	.0039	.0000
%RSD	25.40	61.47	115.1	5.707	98.91	2861.	15.77	440.8	58.57
#1	-.0045	-.0011	-.0000	.0031	.0026	-.0260	.0028	-.0035	.0000
#2	-.0076	-.0005	.0001	.0028	.0022	.0096	.0021	.0040	.0000
#3	-.0063	-.0004	.0000	.0032	-.0002	.0142	.0022	.0021	.0000

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**.1800**	**.0035**	**-.0011**	**.0000**	F **225.8**	**.0022**	**.0241**	**1.705**
Stddev	.0002	.0052	.0001	.0015	.0007	.4	.0006	.0018	.008
%RSD	41.76	2.879	3.461	134.0	3286.	.1608	28.02	7.376	.4677
#1	.0008	.1835	.0034	-.0014	-.0006	225.9	.0025	.0221	1.705
#2	.0004	.1824	.0035	.0005	-.0001	225.4	.0025	.0245	1.698
#3	.0005	.1740	.0036	-.0024	.0007	226.0	.0015	.0256	1.714

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007**	**.0001**	**-.0002**	**-.0050**	**.0001**	**.0019**	**-.0008**	**.0001**
Stddev	.0011	.0000	.0002	.0008	.0002	.0010	.0002	.0001
%RSD	162.5	36.40	99.70	15.73	375.5	51.25	25.29	159.6
#1	.0006	.0001	-.0000	-.0059	.0002	.0016	-.0009	.0001
#2	.0019	.0001	-.0001	-.0049	-.0002	.0030	-.0006	.0000
#3	-.0004	.0001	-.0003	-.0043	.0002	.0011	-.0010	-.0000

Zoom In Zoom Out

Sample Name: JE21261-3 Acquired: 10/21/2025 11:59:20 Type: Unk
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6270.6**	**110980.**	**18320.**	**3185.6**
Stddev	7.0	401.	106.	2.0
%RSD	.11086	.36122	.57703	.06300
#1	6270.5	111320.	18441.	3187.7
#2	6263.8	110540.	18276.	3185.4
#3	6277.7	111080.	18243.	3183.7

Zoom In Zoom Out

Sample Name: JE21261-4 Acquired: 10/21/2025 12:04:14 Type: Unk
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**.2234**	**-.0018**	**.1215**	**.0001**	**.0000**	**-.0012**	**.0405**	**.0004**
Stddev	.0002	.0024	.0014	.0005	.0001	.0001	.0008	.0021	.0002
%RSD	32.34	1.093	79.87	.4213	75.64	141.3	66.32	5.197	58.78
#1	.0009	.2247	-.0002	.1214	.0002	.0000	-.0011	.0424	.0003
#2	.0006	.2206	-.0030	.1210	.0000	.0001	-.0020	.0409	.0006
#3	.0005	.2249	-.0021	.1220	.0002	-.0000	-.0004	.0383	.0002

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0058**	**-.0006**	**-.0002**	**.0035**	**.0084**	**-.0238**	**.0008**	**.0072**	**.0001**
Stddev	.0003	.0001	.0005	.0002	.0009	.0320	.0009	.0165	.0000
%RSD	4.473	11.79	249.4	6.822	11.20	134.8	109.9	228.6	25.88
#1	-.0055	-.0006	-.0006	.0036	.0094	-.0042	.0009	.0015	.0001
#2	-.0059	-.0007	-.0003	.0033	.0075	-.0607	.0016	-.0057	.0001
#3	-.0061	-.0006	.0003	.0037	.0084	-.0064	-.0001	.0258	.0001

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**.1471**	**.0030**	**-.0012**	**-.0004**	F **268.1**	**.0025**	**.0270**	**1.716**
Stddev	.0001	.0074	.0002	.0017	.0020	.5	.0016	.0005	.004
%RSD	21.24	5.035	5.499	146.4	542.5	.2008	64.06	1.940	.2395
#1	.0005	.1537	.0028	-.0019	.0013	267.7	.0008	.0276	1.713
#2	.0006	.1391	.0032	.0008	.0001	268.0	.0029	.0268	1.715
#3	.0007	.1486	.0031	-.0025	-.0025	268.7	.0039	.0267	1.721

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0009**	**.0001**	**.0004**	**-.0041**	**.0002**	**.0010**	**-.0007**	**-.0001**
Stddev	.0004	.0000	.0001	.0014	.0002	.0014	.0001	.0000
%RSD	44.73	15.22	21.91	33.79	85.67	142.4	17.88	18.44
#1	.0008	.0001	.0003	-.0027	.0004	.0003	-.0008	-.0001
#2	.0013	.0001	.0004	-.0055	.0003	.0025	-.0006	-.0001
#3	.0005	.0001	.0005	-.0042	.0000	.0001	-.0008	-.0001

Zoom In Zoom Out

Sample Name: JE21261-4 Acquired: 10/21/2025 12:04:14 Type: Unk
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6277.4**	**110510.**	**18149.**	**3177.2**
Stddev	17.4	475.	105.	9.2
%RSD	.27690	.43009	.57918	.29012
#1	6297.1	110430.	18072.	3186.5
#2	6271.1	110080.	18269.	3177.1
#3	6264.1	111020.	18107.	3168.1

Zoom In Zoom Out

Sample Name: JE21317-2 Acquired: 10/21/2025 12:09:07 Type: Unk
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0234**	**.0027**	**.2137**	**.0586**	**-.0002**	**-.0003**	**67.08**	**-.0002**
Stddev	.0002	.0047	.0012	.0061	.0000	.0000	.0003	.13	.0001
%RSD	42.03	20.01	42.66	2.848	.0342	17.89	104.3	.1930	60.58
#1	.0007	.0288	.0032	.2067	.0586	-.0002	-.0006	67.19	-.0004
#2	.0005	.0211	.0014	.2171	.0586	-.0002	.0000	66.94	-.0001
#3	.0003	.0203	.0036	.2174	.0586	-.0002	-.0004	67.12	-.0002

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0008**	**-.0001**	**.0004**	**.0020**	**1.563**	**6.130**	**.0239**	**8.396**	**1.679**
Stddev	.0022	.0001	.0003	.0007	.006	.059	.0003	.030	.061
%RSD	264.8	83.41	67.28	35.19	.3928	.9685	1.311	.3626	3.611
#1	-.0005	-.0001	.0007	.0027	1.565	6.079	.0243	8.401	1.745
#2	-.0032	-.0001	.0001	.0013	1.556	6.115	.0236	8.363	1.625
#3	.0012	-.0002	.0005	.0021	1.567	6.195	.0239	8.424	1.668

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0018**	F **235.9**	**.0010**	**.0059**	**-.0027**	**5.779**	**-.0006**	**.0003**	**7.930**
Stddev	.0001	.6	.0005	.0007	.0009	.166	.0007	.0006	.209
%RSD	4.586	.2750	51.27	12.26	34.73	2.867	129.3	214.9	2.638
#1	.0018	236.1	.0007	.0051	-.0036	5.588	-.0011	-.0004	7.690
#2	.0019	236.4	.0006	.0063	-.0027	5.884	-.0009	.0007	8.073
#3	.0018	235.2	.0015	.0063	-.0017	5.865	.0003	.0006	8.026

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0018**	**.2474**	**-.0004**	**-.0000**	**.0001**	**-.0000**	**-.0014**	**-.0004**
Stddev	.0011	.0007	.0002	.0024	.0003	.0009	.0001	.0001
%RSD	62.90	.2846	44.20	11830.	235.2	3572.	9.639	23.59
#1	-.0014	.2473	-.0006	.0024	-.0001	-.0009	-.0015	-.0005
#2	-.0009	.2481	-.0004	-.0024	-.0000	-.0000	-.0014	-.0004
#3	-.0031	.2467	-.0002	-.0000	.0004	.0009	-.0012	-.0003

Zoom In Zoom Out

Sample Name: JE21317-2 Acquired: 10/21/2025 12:09:07 Type: Unk
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6181.3**	**108520.**	**17721.**	**3150.2**
Stddev	127.2	3474.	89.	72.8
%RSD	2.0581	3.2009	.50045	2.3125
#1	6328.2	104940.	17715.	3233.9
#2	6108.0	111870.	17812.	3101.1
#3	6107.8	108770.	17635.	3115.7

Zoom In Zoom Out

Sample Name: JE21317-3 Acquired: 10/21/2025 12:14:07 Type: Unk
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.1939**	**.0029**	**.2256**	**.1057**	**-.0002**	**-.0003**	**23.69**	**.0001**
Stddev	.0003	.0085	.0021	.0008	.0003	.0001	.0012	.03	.0002
%RSD	87.60	4.397	73.87	.3389	.2375	22.27	343.1	.1252	410.3
#1	.0001	.2011	.0011	.2250	.1058	-.0002	-.0004	23.66	.0003
#2	.0007	.1961	.0023	.2265	.1054	-.0003	.0009	23.72	.0001
#3	.0003	.1845	.0052	.2254	.1059	-.0003	-.0015	23.68	-.0002

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0014**	**.0003**	**.0021**	**12.69**	**5.707**	**.0058**	**3.275**	**.6011**
Stddev	.0014	.0001	.0001	.0014	.01	.040	.0009	.012	.0336
%RSD	3739.	7.049	31.33	66.97	.0896	.6976	15.54	.3539	5.592
#1	.0012	.0015	.0002	.0021	12.70	5.742	.0066	3.287	.5962
#2	.0004	.0013	.0003	.0035	12.71	5.663	.0048	3.264	.6369
#3	-.0015	.0013	.0004	.0007	12.68	5.714	.0059	3.274	.5702

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0014**	F **228.2**	**.0020**	**.0376**	**-.0015**	**8.903**	**-.0010**	**-.0021**	**9.062**
Stddev	.0003	2.6	.0004	.0030	.0015	.024	.0005	.0015	.020
%RSD	19.34	1.124	20.01	7.947	98.63	.2680	55.56	68.67	.2156
#1	.0017	230.8	.0017	.0409	.0002	8.881	-.0012	-.0006	9.045
#2	.0011	228.2	.0024	.0351	-.0027	8.929	-.0004	-.0023	9.084
#3	.0013	225.7	.0018	.0367	-.0022	8.900	-.0014	-.0035	9.058

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0008**	**.1288**	**.0090**	**.0010**	**.0005**	**-.0004**	**.0026**	**-.0002**
Stddev	.0012	.0001	.0006	.0026	.0001	.0008	.0002	.0001
%RSD	142.4	.0534	6.537	264.1	27.35	200.4	7.056	64.12
#1	-.0018	.1288	.0096	-.0010	.0003	-.0003	.0025	-.0003
#2	-.0012	.1289	.0091	.0039	.0005	.0003	.0026	-.0003
#3	.0005	.1287	.0084	.0000	.0006	-.0013	.0029	-.0001

Zoom In Zoom Out

Sample Name: JE21317-3 Acquired: 10/21/2025 12:14:07 Type: Unk
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6167.6**	**110110.**	**17876.**	**3134.8**
Stddev	19.4	5144.	56.	8.7
%RSD	.31507	4.6710	.31255	.27900
#1	6189.1	110570.	17915.	3144.7
#2	6162.3	104760.	17812.	3128.3
#3	6151.3	115010.	17901.	3131.4

Zoom In Zoom Out

Sample Name: JE21317-4 Acquired: 10/21/2025 12:19:07 Type: Unk
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0642**	**-.0022**	**.1843**	**.0161**	**-.0002**	**-.0001**	**16.05**	**.0001**
Stddev	.0002	.0025	.0010	.0008	.0002	.0000	.0009	.06	.0001
%RSD	114.2	3.956	42.92	.4409	1.009	11.95	795.4	.4033	103.3
#1	-.0003	.0661	-.0025	.1850	.0163	-.0002	-.0006	16.00	.0000
#2	-.0002	.0651	-.0012	.1834	.0162	-.0002	.0009	16.12	.0001
#3	.0000	.0613	-.0030	.1844	.0160	-.0002	-.0007	16.02	.0000

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0013**	**-.0009**	**.0005**	**.0213**	**.2679**	**1.513**	**.0022**	**2.619**	**.3097**
Stddev	.0007	.0002	.0001	.0006	.0016	.014	.0018	.001	.0004
%RSD	51.79	28.37	24.97	2.767	.5904	.9420	79.95	.0332	.1302
#1	-.0018	-.0011	.0005	.0218	.2661	1.502	.0040	2.618	.3098
#2	-.0005	-.0009	.0004	.0215	.2692	1.529	.0022	2.618	.3100
#3	-.0017	-.0006	.0007	.0207	.2684	1.508	.0005	2.620	.3092

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0011**	**39.08**	**.0011**	**.7749**	**-.0007**	**4.062**	**-.0004**	**-.0011**	**4.652**
Stddev	.0002	.08	.0004	.0013	.0016	.008	.0010	.0019	.016
%RSD	22.61	.1947	36.98	.1712	215.3	.1986	235.6	177.3	.3347
#1	.0009	39.11	.0007	.7739	-.0018	4.071	-.0015	-.0013	4.670
#2	.0013	39.13	.0009	.7743	-.0014	4.060	.0004	.0009	4.644
#3	.0010	38.99	.0015	.7764	.0011	4.055	-.0001	-.0028	4.642

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0036**	**.0417**	**.0021**	**-.0003**	**.0002**	**-.0002**	**.0064**	**-.0002**
Stddev	.0007	.0001	.0002	.0014	.0002	.0007	.0000	.0001
%RSD	20.83	.2130	8.200	485.2	84.82	285.4	.6599	62.97
#1	.0031	.0418	.0022	-.0000	.0000	.0004	.0064	-.0002
#2	.0032	.0416	.0019	.0010	.0004	-.0010	.0065	-.0002
#3	.0044	.0417	.0022	-.0018	.0003	-.0001	.0064	-.0000

Zoom In Zoom Out

Sample Name: JE21317-4 Acquired: 10/21/2025 12:19:07 Type: Unk
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6245.0**	**110650.**	**18229.**	**3154.6**
Stddev	5.2	116.	158.	7.1
%RSD	.08350	.10510	.86802	.22492
#1	6239.2	110780.	18344.	3147.7
#2	6249.4	110560.	18049.	3161.8
#3	6246.2	110620.	18294.	3154.3

Zoom In Zoom Out

Sample Name: JE21317-5 Acquired: 10/21/2025 12:23:59 Type: Unk
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0333**	**.0012**	**.2272**	**.1059**	**-.0002**	**.0009**	**23.90**	**-.0001**
Stddev	.0005	.0042	.0002	.0014	.0002	.0000	.0004	.12	.0000
%RSD	119.3	12.54	19.91	.6078	.1574	7.919	46.96	.5052	54.82
#1	.0009	.0292	.0014	.2274	.1061	-.0002	.0013	23.82	-.0001
#2	.0000	.0375	.0010	.2285	.1059	-.0002	.0011	23.84	-.0001
#3	.0002	.0331	.0011	.2258	.1058	-.0002	.0004	24.04	-.0001

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0027**	**.0016**	**.0001**	**.0012**	**12.45**	**5.571**	**.0029**	**3.250**	**.5997**
Stddev	.0005	.0001	.0001	.0004	.00	.011	.0012	.023	.0005
%RSD	17.10	7.942	91.87	28.92	.0250	.1913	41.45	.7078	.0887
#1	-.0026	.0017	.0001	.0012	12.45	5.579	.0027	3.227	.5994
#2	-.0032	.0016	.0003	.0016	12.45	5.559	.0042	3.250	.6003
#3	-.0023	.0015	.0000	.0009	12.45	5.575	.0018	3.273	.5994

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0017**	F **223.1**	**.0012**	**.0335**	**-.0019**	**8.623**	**-.0007**	**.0003**	**8.794**
Stddev	.0000	2.8	.0002	.0017	.0008	.049	.0002	.0010	.071
%RSD	2.501	1.272	14.79	5.024	43.13	.5716	33.76	335.0	.8124
#1	.0017	221.4	.0013	.0316	-.0020	8.597	-.0010	.0013	8.769
#2	.0017	221.6	.0010	.0347	-.0011	8.680	-.0007	-.0007	8.874
#3	.0016	226.4	.0013	.0343	-.0027	8.592	-.0005	.0003	8.737

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0008**	**.1301**	**.0009**	**.0014**	**.0003**	**-.0009**	**-.0003**	**-.0003**
Stddev	.0003	.0002	.0002	.0010	.0001	.0007	.0002	.0001
%RSD	31.02	.1842	27.24	68.51	26.66	70.77	68.50	24.63
#1	-.0006	.1302	.0009	.0005	.0004	-.0015	-.0005	-.0003
#2	-.0011	.1298	.0011	.0025	.0003	-.0002	-.0001	-.0002
#3	-.0009	.1303	.0006	.0013	.0003	-.0011	-.0004	-.0003

Zoom In Zoom Out

Sample Name: JE21317-5 Acquired: 10/21/2025 12:23:59 Type: Unk
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6173.4**	**111280.**	**18086.**	**3127.8**
Stddev	44.3	88.	146.	22.8
%RSD	.71727	.07905	.80521	.72776
#1	6211.6	111220.	18228.	3142.6
#2	6124.9	111240.	18093.	3101.6
#3	6183.9	111380.	17937.	3139.3

Zoom In Zoom Out

Sample Name: JE21317-6 Acquired: 10/21/2025 12:28:59 Type: Unk
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.1459**	**.0010**	**.2119**	**.1160**	**-.0002**	**.0006**	**39.42**	**-.0001**
Stddev	.0001	.0072	.0009	.0006	.0007	.0000	.0008	.18	.0001
%RSD	66.21	4.941	93.44	.2703	.6351	11.62	150.9	.4514	80.29
#1	.0001	.1477	.0009	.2113	.1166	-.0002	.0012	39.32	-.0002
#2	.0001	.1519	.0001	.2124	.1161	-.0002	-.0004	39.63	-.0000
#3	.0002	.1379	.0019	.2119	.1152	-.0002	.0008	39.33	-.0001

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0018**	**.0023**	**.0007**	**.0024**	**3.099**	**6.572**	**.0079**	**6.369**	**1.189**
Stddev	.0008	.0002	.0003	.0003	.005	.033	.0009	.050	.006
%RSD	47.09	7.030	38.10	14.40	.1566	.5071	11.17	.7764	.4852
#1	-.0024	.0025	.0004	.0023	3.099	6.563	.0084	6.325	1.182
#2	-.0021	.0023	.0009	.0021	3.103	6.544	.0083	6.423	1.191
#3	-.0008	.0022	.0007	.0027	3.094	6.609	.0069	6.360	1.193

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0014**	**F 270.9**	**.0028**	**.0231**	**-.0007**	**4.373**	**-.0008**	**.0009**	**8.476**
Stddev	.0003	2.0	.0004	.0011	.0009	.008	.0006	.0003	.014
%RSD	23.85	.7498	12.59	4.654	130.0	.1837	84.60	40.05	.1608
#1	.0017	269.3	.0032	.0233	-.0008	4.368	-.0005	.0012	8.469
#2	.0011	270.1	.0029	.0219	.0003	4.368	-.0003	.0008	8.467
#3	.0013	273.2	.0025	.0240	-.0015	4.382	-.0015	.0006	8.491

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0006**	**.2184**	**.0056**	**.0012**	**.0008**	**-.0005**	**.0033**	**-.0003**
Stddev	.0013	.0002	.0002	.0015	.0001	.0001	.0002	.0000
%RSD	222.0	.0835	2.719	127.5	15.23	11.46	5.565	14.88
#1	.0007	.2183	.0057	.0001	.0009	-.0004	.0035	-.0003
#2	-.0019	.2186	.0054	.0029	.0007	-.0005	.0031	-.0003
#3	-.0006	.2182	.0057	.0006	.0009	-.0005	.0033	-.0003

Zoom In Zoom Out

Sample Name: JE21317-6 Acquired: 10/21/2025 12:28:59 Type: Unk
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6138.8**	**111020.**	**18011.**	**3117.5**
Stddev	4.7	456.	87.	3.0
%RSD	.07602	.41097	.48414	.09497
#1	6143.7	111400.	18057.	3120.8
#2	6138.1	111160.	17910.	3116.7
#3	6134.5	110510.	18065.	3115.1

Zoom In Zoom Out

Sample Name: CCV Acquired: 10/21/2025 12:33:58 Type: QC
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2553**	**40.31**	**1.950**	**2.098**	**1.967**	**2.030**	**2.031**	**40.10**	**2.119**
Stddev	.0008	.05	.003	.002	.002	.005	.002	.21	.003
%RSD	.3220	.1144	.1447	.0740	.0951	.2589	.0827	.5205	.1213
#1	.2553	40.26	1.948	2.096	1.966	2.024	2.032	39.86	2.118
#2	.2544	40.36	1.949	2.099	1.968	2.034	2.033	40.22	2.117
#3	.2561	40.32	1.953	2.097	1.965	2.033	2.030	40.22	2.122
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.020**	**2.145**	**2.076**	**2.008**	**41.68**	**41.32**	**1.984**	**37.40**	**2.067**
Stddev	.002	.004	.004	.009	.08	.09	.005	.27	.002
%RSD	.0970	.1805	.1876	.4657	.1899	.2106	.2353	.7208	.1164
#1	2.019	2.141	2.075	2.003	41.59	41.41	1.989	37.10	2.066
#2	2.018	2.144	2.081	2.003	41.71	41.23	1.984	37.63	2.070
#3	2.022	2.149	2.073	2.019	41.74	41.33	1.980	37.46	2.066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.099**	**41.12**	**2.112**	**2.128**	**2.093**	**2.111**	**2.093**	**2.094**	**5.236**
Stddev	.003	.02	.004	.003	.004	.002	.006	.006	.002
%RSD	.1179	.0478	.1945	.1425	.1879	.0833	.2719	.2766	.0452
#1	2.096	41.10	2.113	2.132	2.092	2.110	2.100	2.101	5.237
#2	2.099	41.14	2.107	2.127	2.090	2.113	2.090	2.092	5.238
#3	2.101	41.12	2.115	2.126	2.098	2.111	2.090	2.090	5.233
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: CCV Acquired: 10/21/2025 12:33:58 Type: QC
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.076**	**2.056**	**2.062**	**2.079**	**2.072**	**2.065**	**2.106**	**2.032**
Stddev	.006	.003	.001	.006	.002	.003	.007	.002
%RSD	.2939	.1576	.0482	.2712	.0997	.1215	.3508	.0765
#1	2.074	2.053	2.061	2.080	2.070	2.067	2.102	2.030
#2	2.071	2.058	2.062	2.073	2.074	2.062	2.101	2.032
#3	2.082	2.058	2.062	2.084	2.071	2.065	2.114	2.034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6251.8**	**110330.**	**18063.**	**3153.9**
Stddev	9.7	135.	206.	5.7
%RSD	.15519	.12237	1.1405	.18076
#1	6262.1	110360.	18300.	3160.2
#2	6250.5	110450.	17939.	3152.2
#3	6242.8	110190.	17949.	3149.2

Zoom In Zoom Out

Sample Name: CCB Acquired: 10/21/2025 12:38:30 Type: QC
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0093**	**-.0015**	**.0046**	**-.0001**	**.0002**	**.0008**	**.0071**	**.0007**
Stddev	.0006	.0081	.0019	.0006	.0001	.0001	.0007	.0009	.0001
%RSD	416.4	86.89	128.3	13.83	123.5	34.25	88.42	12.02	14.80
#1	.0002	.0172	-.0035	.0050	-.0001	.0002	.0008	.0069	.0008
#2	-.0008	.0098	.0001	.0051	-.0001	.0001	.0014	.0081	.0006
#3	.0002	.0010	-.0010	.0039	.0000	.0001	.0001	.0065	.0007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0052**	**.0001**	**.0004**	**.0016**	**.0058**	**.0046**	**.0016**	**-.0081**	**.0004**
Stddev	.0010	.0002	.0001	.0002	.0014	.0280	.0005	.0144	.0001
%RSD	19.14	168.3	36.71	10.48	23.62	613.4	32.34	177.3	17.31
#1	-.0043	.0002	.0004	.0015	.0066	.0176	.0010	-.0007	.0003
#2	-.0050	.0003	.0003	.0018	.0066	.0237	.0020	.0011	.0003
#3	-.0063	-.0001	.0005	.0015	.0042	-.0275	.0017	-.0248	.0004
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007**	**.0524**	**.0009**	**.0003**	**-.0007**	**.0026**	**.0005**	**-.0002**	**.0077**
Stddev	.0003	.0076	.0002	.0011	.0007	.0027	.0009	.0010	.0005
%RSD	44.56	14.48	26.19	332.7	97.64	106.9	157.8	475.8	6.533
#1	.0009	.0490	.0011	.0012	.0001	.0043	.0014	.0007	.0082
#2	.0003	.0472	.0009	-.0009	-.0010	.0040	-.0003	-.0001	.0077
#3	.0008	.0611	.0006	.0008	-.0013	-.0006	.0005	-.0013	.0072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: CCB Acquired: 10/21/2025 12:38:30 Type: QC
Method: SGS 3 NO Valve(v162) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0015**	**.0002**	**.0004**	**-.0004**	**.0003**	**.0003**	**-.0007**	**.0003**
Stddev	.0004	.0000	.0003	.0025	.0002	.0006	.0002	.0001
%RSD	25.33	20.22	76.34	565.8	57.92	231.8	33.89	14.93
#1	.0017	.0002	.0005	.0009	.0005	.0009	-.0007	.0003
#2	.0011	.0002	.0000	.0011	.0004	-.0002	-.0004	.0004
#3	.0018	.0002	.0005	-.0033	.0001	.0000	-.0009	.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6237.7**	**111470.**	**18438.**	**3182.7**
Stddev	1.1	175.	181.	5.8
%RSD	.01790	.15715	.98368	.18120
#1	6236.5	111330.	18268.	3185.4
#2	6238.8	111670.	18629.	3186.6
#3	6237.8	111420.	18418.	3176.0

NOTE: The remaining raw data for this batch is not relevant to this job. As such it has been omitted.

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
	Ag 328.068 {103}	☒	21	Mn	0.000102	0.000000	No
				Mo	0.000020	-0.000003	No
				Ti	-0.000221	0.000000	No
				Fe	0.000003	0.000000	No
				Zn	-0.000001	0.000000	No
				Ca	-0.000001	0.000000	No
				Sr	0.000100	0.000000	No
				Mg	-0.000002	0.000000	No
				Ba	0.000071	0.000000	No
				Cr	0.000010	0.000000	No
				V	-0.001739	0.000000	No
				Al	0.000001	0.000000	No
				W	0.000015	0.000000	No
				Ce	-0.000660	0.000000	No
				Co	0.000000	0.000000	No
				B	0.000040	0.000000	No
				Zr	0.005230	0.000000	No
				S	-0.000002	0.000000	No
				Pb	0.000020	0.000000	No
				Sn	0.000100	0.000000	No
				Ni	-0.000045	0.000000	No
	Al 396.152 { 85}	☒	8	Si	0.000652	0.000000	No
				Ca	0.000053	0.000000	No
				Mo	0.045290	0.000000	No
				Zr	0.013719	0.000000	No
				Ti	-0.000583	0.000000	No
				Ce	0.010010	0.000000	No
				Cr	0.004890	0.000000	No
				As	0.010000	0.000000	No
	As 189.042 {478}	☒	23	Al	-0.000006	0.000000	No
				Fe	-0.000017	0.000000	No
				Ca	0.000004	0.000000	No
				Mo	0.002745	0.000000	No
				Cr	0.000719	0.000000	No
				Ba	0.000086	0.000000	No
				Sn	0.000148	0.000000	No
				Cd	-0.000208	0.000000	No
				Si	-0.000010	0.000000	No
				Zn	-0.000082	0.000000	No
				Sr	-0.000045	0.000000	No
				W	0.001499	0.000000	No
				Cu	0.000246	0.000000	No
				Co	-0.001000	0.000000	No
				Zr	-0.000009	0.000000	No
				Mn	0.000029	0.000000	No
				S	0.000003	0.000000	No
				Ti	0.000061	0.000000	No
				Mg	0.000003	0.000000	No
				Ce	-0.000210	0.000000	No
				Ni	0.000089	0.000000	No
				V	0.000117	0.000000	No
				B	0.000150	0.000000	No
	B 208.959 {462}	☒	1	Mo	0.039488	0.000000	No
	Ba 455.403 { 74}	☒	2	Zr	0.000000	0.000000	No
				Ca	-0.000005	0.000000	No
	Be 313.042 {108}	☒	15	V	0.001140	0.000000	No
				Mo	-0.000047	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Ti	-0.000074	0.000000	No
			Mn	0.000000	0.000000	No
			Cu	0.000005	0.000000	No
			Bi	0.000060	0.000000	No
			Fe	0.000000	0.000000	No
			Al	0.000000	0.000000	No
			Mg	0.000001	0.000000	No
			Ca	0.000000	0.000000	No
			Sr	0.000000	0.000000	No
			S	-0.000001	0.000000	No
			Ni	0.000000	0.000000	No
			Ce	0.000120	0.000000	No
			B	0.000150	0.000000	No
Bi 223.061 {451}	☒	10	Ti	-0.000819	0.000000	No
			V	-0.000164	0.000000	No
			Co	-0.000330	0.000000	No
			Ca	-0.000002	0.000000	No
			Mg	-0.000000	0.000000	No
			Fe	0.000051	0.000000	No
			Cr	0.001595	0.000000	No
			Cu	-0.001148	0.000000	No
			W	-0.000800	0.000000	No
			Ce	-0.000820	0.000000	No
Ca 317.933 {106}	☒	14	Fe	0.000012	0.000000	No
			W	0.000000	0.000000	No
			Tl	-0.000152	0.000000	No
			Be	0.001840	0.000000	No
			Ba	-0.001224	0.000000	No
			Cu	-0.000822	0.000000	No
			Cd	0.000010	0.000000	No
			Ni	0.000667	0.000000	No
			B	-0.000210	0.000000	No
			Se	0.000923	0.000000	No
			Co	-0.000408	0.000000	No
			Cr	0.000640	0.000000	No
			Al	-0.000000	0.000000	No
			As	0.010000	0.000000	No
Cd 228.802 {448}	☒	15	As	0.007270	0.000000	No
			Ni	-0.000018	0.000000	No
			Fe	-0.000000	0.000000	No
			V	0.000054	0.000000	No
			Ba	0.000064	0.000000	No
			Co	-0.000667	0.000000	No
			Sr	-0.000020	0.000000	No
			Mn	0.000018	0.000000	No
			Cu	-0.000026	0.000000	No
			Zn	-0.000018	0.000000	No
			W	-0.000172	0.000000	No
			Zr	-0.000006	0.000000	No
			Mg	0.000000	0.000000	No
			Ca	0.000005	0.000000	No
			Al	-0.000000	0.000000	No
Ce 404.076 { 83}	☒	4	Mn	-0.000361	0.000000	No
			Fe	0.000174	0.000000	No
			Ti	-0.001676	0.000000	No
			Zr	0.000310	0.000000	No
Co 228.616 {448}	☒	7	Fe	0.000005	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Mo	0.000043	0.000000	No
				Ni	0.000091	0.000000	No
				Ti	0.001745	0.000000	No
				Ba	0.000540	0.000000	No
				W	0.000327	0.000000	No
				Cd	-0.000510	0.000000	No
	Cr 267.716 {126}	☒	9	Mn	0.000158	0.000000	No
				V	-0.000183	0.000000	No
				Mo	-0.000082	0.000000	No
				Fe	0.000004	0.000000	No
				Ti	0.000060	0.000000	No
				Ba	0.000045	0.000000	No
				Cu	0.000100	0.000000	No
				Sr	-0.000100	0.000000	No
				W	0.000000	0.000000	No
	Cu 324.754 {104}2	☒	14	Cr	-0.000099	0.000000	No
				V	-0.000086	0.000000	No
				Mo	0.000670	0.000000	No
				Ti	-0.000033	0.000000	No
				Fe	-0.000109	0.000000	No
				Zn	-0.000041	0.000000	No
				Co	-0.001350	0.000000	No
				Si	0.000016	0.000000	No
				Mn	-0.000017	0.000000	No
				Se	0.000050	0.000000	No
				Sb	0.000069	0.000000	No
				W	-0.000000	0.000000	No
				Al	0.000001	0.000000	No
				Zr	0.000300	0.000000	No
	Fe 259.940 {130}	☒	15	Si	0.000221	0.000000	No
				Tl	-0.000051	0.000000	No
				Cr	-0.000420	0.000000	No
				Mn	-0.000046	0.000000	No
				V	0.000131	0.000000	No
				Cu	-0.000015	0.000000	No
				Zn	0.000046	0.000000	No
				Ti	0.000000	0.000000	No
				Ca	-0.000116	0.000000	No
				Ba	-0.000500	0.000000	No
				Mo	0.002980	0.000000	No
				Ni	0.000000	0.000000	No
				Al	-0.000078	0.000000	No
				As	0.000000	0.000000	No
				Li	-0.000500	0.000000	No
	In 230.606 {446}*	☐	None				
	K 766.490 { 44}	☒	11	Fe	0.000550	0.000000	No
				Al	0.000077	0.000000	No
				Ca	-0.000121	0.000000	No
				Mn	-0.007074	0.000000	No
				Si	-0.003000	0.000000	No
				V	-0.002000	0.000000	No
				Sn	-0.004700	0.000000	No
				Ba	-0.010574	0.000000	No
				Mo	-0.000850	0.000000	No
				Cu	-0.011483	0.000000	No
				Ni	-0.010000	0.000000	No
	Li 670.784 { 50}	☒	2	Ca	0.000019	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Fe	-0.000008	0.000000	No
Mg 279.079 {121}	☒	3	Mo	-0.013702	0.000000	No
			W	-0.000030	0.000000	No
			Mn	-0.002445	0.000000	No
Mn 257.610 {131}	☒	8	Fe	0.000008	0.000000	No
			Si	0.000010	0.000000	No
			Ba	0.000004	0.000000	No
			Ni	0.000028	0.000000	No
			Al	0.000000	0.000000	No
			Ca	0.000010	0.000000	No
			Mg	0.000003	0.000000	No
			W	0.000260	0.000000	No
Mo 202.030 {467}	☒	2	Al	-0.000004	0.000000	No
			Fe	-0.000010	0.000000	No
Na 589.592 { 57}	☒	4	K	0.000040	0.000000	No
			Ba	0.000900	0.000000	No
			Ca	-0.000070	0.000000	No
			V	-0.005000	0.000000	No
Ni 231.604 {446}	☒	9	Fe	0.000033	0.000000	No
			Zn	-0.000013	0.000000	No
			Be	0.000213	0.000000	No
			Co	0.000141	0.000000	No
			Tl	0.000209	0.000000	No
			Mo	0.000026	0.000000	No
			Cu	0.000050	0.000000	No
			Se	0.000100	0.000000	No
			Ca	0.000000	0.000000	No
P 177.495 {490}	☒	13	Mn	-0.000215	0.000000	No
			Al	0.000028	0.000000	No
			V	0.001097	0.000000	No
			Si	0.000178	0.000000	No
			Ti	0.000000	0.000000	No
			Mo	0.000000	0.000000	No
			S	0.000015	0.000000	No
			Co	0.000352	0.000000	No
			Cu	0.003229	0.000000	No
			Ca	0.000024	0.000000	No
			Cr	0.000099	0.000000	No
			Fe	0.000057	0.000000	No
			W	0.002000	0.000000	No
Pb 220.353 {453}	☒	22	Al	-0.000056	0.000000	No
			Fe	0.000040	0.000000	No
			Ca	0.000003	0.000000	No
			Mn	0.000084	0.000000	No
			Mo	-0.001031	0.000000	No
			Cu	0.000399	0.000000	No
			Co	-0.001002	0.000000	No
			Ti	-0.000378	0.000000	No
			Si	0.000096	0.000000	No
			Ba	-0.000022	0.000000	No
			Sb	-0.000084	0.000000	No
			Sr	-0.000033	0.000000	No
			W	-0.000312	0.000000	No
			Mg	0.000007	0.000000	No
			Cd	0.000012	0.000000	No
			Cr	-0.000015	0.000000	No
			Ni	-0.000150	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				S	-0.000003	0.000000	No
				Zn	0.000064	0.000000	No
				Ce	0.000770	0.000000	No
				Zr	-0.000409	0.000000	No
				V	0.000112	0.000000	No
	S 182.034 {485}	☒	9	Mo	0.001470	0.000000	No
				Al	0.000008	0.000000	No
				Fe	-0.000011	0.000000	No
				Mn	0.005259	0.000000	No
				W	-0.000026	0.000000	No
				Ca	0.000036	0.000000	No
				Mg	0.000012	0.000000	No
				Ce	-0.002570	0.000000	No
				Ba	0.004000	0.000000	No
	Sb 206.833 {463}	☒	20	Fe	0.000019	0.000000	No
				Al	-0.000001	0.000000	No
				Ca	0.000006	0.000000	No
				Ni	-0.000022	0.000000	No
				Cr	0.013698	0.000000	No
				V	-0.002123	0.000000	No
				Zn	-0.000035	0.000000	No
				Mo	0.000356	0.000000	No
				Ti	0.000160	0.000000	No
				Sn	-0.002790	0.000000	No
				Mg	-0.000001	0.000000	No
				Zr	-0.000120	0.000000	No
				Sr	0.000031	0.000000	No
				B	-0.000100	0.000000	No
				Co	-0.000102	0.000000	No
				W	0.001030	0.000000	No
				Si	0.000030	0.000000	No
				Ce	-0.000870	0.000000	No
				Mn	-0.000139	0.000000	No
				S	-0.000005	0.000000	No
	Se 196.090 {472}	☒	24	Al	0.000004	0.000000	No
				Ca	-0.000004	0.000000	No
				Mn	0.000114	0.000000	No
				Mo	0.000100	0.000000	No
				Fe	-0.000067	0.000000	No
				Co	-0.000173	0.000000	No
				Sr	-0.000011	0.000000	No
				Cu	0.000076	0.000000	No
				W	0.006890	0.000000	No
				Si	0.000054	0.000000	No
				Be	-0.000347	0.000000	No
				Zn	0.000050	0.000000	No
				B	0.000028	0.000000	No
				Ti	-0.000067	0.000000	No
				Cd	0.000090	0.000000	No
				Zr	-0.000297	0.000000	No
				Ba	-0.000046	0.000000	No
				Mg	0.000002	0.000000	No
				Pb	-0.000078	0.000000	No
				Ni	0.000043	0.000000	No
				Cr	-0.000024	0.000000	No
				S	-0.000004	0.000000	No
				V	-0.000063	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Ce	-0.000130	0.000000	No
Si 212.412 {459}	☒	18	Sr	0.000366	0.000000	No
			Ni	0.000021	0.000000	No
			Mo	0.028000	0.000000	No
			V	0.019350	0.000000	No
			Ti	0.005473	0.000000	No
			Al	0.000002	0.000000	No
			Cd	0.001043	0.000000	No
			Ba	0.001987	0.000000	No
			Sn	0.007500	0.000000	No
			Zn	0.000385	0.000000	No
			Be	-0.000048	0.000000	No
			W	0.010427	0.000000	No
			Ca	0.000017	0.000000	No
			Fe	0.000010	0.000000	No
			Mg	-0.000014	0.000000	No
			S	0.000200	0.000000	No
			As	0.080000	0.000000	No
			Co	0.020000	0.000000	No
Sn 189.989 {478}	☒	5	Ti	-0.001934	0.000000	No
			Fe	0.000004	0.000000	No
			Si	0.000000	0.000000	No
			Zr	0.000394	0.000000	No
			W	0.000000	0.000000	No
Sr 407.771 { 83}	☒	2	Ca	0.000005	0.000000	No
			Si	0.000033	0.000000	No
Ti 334.904 {101}	☒	4	Cr	-0.000063	0.000000	No
			Mo	0.001093	0.000000	No
			Si	0.000035	0.000000	No
			Li	0.000000	0.000000	No
Tl 190.856 {477}	☒	27	Cr	0.000215	0.000000	No
			Mo	0.000131	0.000000	No
			Al	-0.000003	0.000000	No
			Fe	-0.000025	0.000000	No
			V	-0.010956	0.000000	No
			Mn	0.001217	0.000000	No
			Si	-0.000048	0.000000	No
			Ca	-0.000003	0.000000	No
			Ti	-0.001251	0.000000	No
			Mg	0.000002	0.000000	No
			Co	0.003714	0.000000	No
			Sr	0.000210	0.000000	No
			B	-0.000003	0.000000	No
			Ba	0.000034	0.000000	No
			Zn	-0.000053	0.000000	No
			As	0.000280	0.000000	No
			W	-0.000800	0.000000	No
			Cu	0.000000	0.000000	No
			Pb	0.000147	0.000000	No
			S	0.000010	0.000000	No
			Sn	-0.000086	0.000000	No
			Li	0.000000	0.000000	No
			K	0.000000	0.000000	No
			Zr	-0.000040	0.000000	No
			Ce	-0.000040	0.000000	No
			P	0.000000	0.000000	No
			Ni	0.000047	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
	V 292.402 {115}	☒	7	Ti	0.000779	0.000000	No
				Mo	-0.000954	0.000000	No
				Fe	0.000024	0.000000	No
				Sr	-0.000100	0.000000	No
				Cr	-0.001171	0.000000	No
				Mn	-0.000100	0.000000	No
				Al	0.000000	0.000000	No
	W 207.911 {462}	☒	20	Si	0.000105	0.000000	No
				As	0.000100	0.000000	No
				Mn	0.000066	0.000000	No
				Mo	-0.000300	0.000000	No
				Ti	0.000080	0.000000	No
				Sr	-0.000850	0.000000	No
				V	-0.000140	0.000000	No
				Cd	-0.000650	0.000000	No
				Cr	-0.000390	0.000000	No
				Zn	0.012306	0.000000	No
				Sn	-0.000320	0.000000	No
				Zr	0.000061	0.000000	No
				B	0.000009	0.000000	No
				Sb	-0.000300	0.000000	No
				Co	-0.001000	0.000000	No
				Ni	0.000050	0.000000	No
				Be	-0.000185	0.000000	No
				Se	-0.000105	0.000000	No
				Cu	-0.000138	0.000000	No
				Tl	-0.000220	0.000000	No
	Y 360.073 { 94}*	☐	None				
	Y 371.030 { 91}*	☐	None				
	Y 224.306 {451}*	☐	None				
	Zn 206.200 {464}	☒	12	Cr	-0.000843	0.000000	No
				Fe	0.000002	0.000000	No
				Si	0.000015	0.000000	No
				Mn	-0.000045	0.000000	No
				Ba	-0.000060	0.000000	No
				Sn	-0.000023	0.000000	No
				Cu	0.000148	0.000000	No
				As	0.000055	0.000000	No
				Be	0.000058	0.000000	No
				Ca	0.000014	0.000000	No
				W	0.001027	0.000000	No
				V	0.000264	0.000000	No
	Zr 339.198 { 99}	☒	13	Mo	0.001036	0.000000	No
				Ti	-0.000044	0.000000	No
				Fe	-0.000028	0.000000	No
				Si	0.000032	0.000000	No
				S	0.000000	0.000000	No
				Cr	-0.000200	0.000000	No
				W	0.001099	0.000000	No
				V	0.000800	0.000000	No
				Ni	0.000000	0.000000	No
				As	0.000000	0.000000	No
				Sn	0.000000	0.000000	No
				Sb	0.000000	0.000000	No
				Ce	0.000000	0.000000	No

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
Ag 328.068 {103}	10/21/2025 18:10:07	10/21/2025 8:56:22	Linear	None	-0.000128	0.140160	0.000000	1.000000
Al 396.152 { 85}	10/21/2025 18:10:07	10/21/2025 8:56:22	Linear	None	-0.000014	0.046663	0.000000	1.000000
As 189.042 {478}	10/21/2025 18:10:07	10/21/2025 8:56:22	Linear	None	-0.000311	0.055631	0.000000	1.000000
B 208.959 {462}	10/21/2025 18:10:07	10/21/2025 8:56:22	Linear	None	0.000455	0.254568	0.000000	1.000000
Ba 455.403 { 74}	10/21/2025 18:10:07	10/21/2025 8:56:22	Linear	None	0.000649	2.042455	0.000000	1.000000
Be 313.042 {108}	10/21/2025 18:10:07	10/21/2025 8:56:22	Linear	None	0.000610	2.845333	0.000000	1.000000
Bi 223.061 {451}	10/21/2025 18:10:07	10/21/2025 8:56:22	Linear	None	-0.001679	0.264097	0.000000	1.000000
Ca 317.933 {106}	10/21/2025 18:10:07	10/21/2025 8:56:22	Linear	None	0.004543	0.089326	0.000000	1.000000
Cd 228.802 {448}	10/21/2025 18:10:07	10/21/2025 8:56:22	Linear	None	0.000598	1.079466	0.000000	1.000000
Ce 404.076 { 83}	10/21/2025 18:10:07	10/21/2025 8:56:22	Linear	1/Conc	0.000058	0.046656	0.000000	1.000000
Co 228.616 {448}	10/21/2025 18:10:07	10/21/2025 8:56:22	Linear	None	-0.000136	0.435657	0.000000	1.000000
Cr 267.716 {126}	10/21/2025 18:10:07	10/21/2025 8:56:22	Linear	None	0.000000	0.119244	0.000000	1.000000
Cu 324.754 {104}2	10/21/2025 18:10:07	10/21/2025 8:56:22	Linear	None	0.009316	0.317977	0.000000	1.000000
Fe 259.940 {130}	10/21/2025 18:10:07	10/21/2025 8:56:22	Linear	None	-0.000006	0.042158	0.000000	1.000000
In 230.606 {446}*	10/21/2025 18:10:07	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
K 766.490 { 44}	10/21/2025 18:10:07	10/21/2025 8:56:22	Linear	None	0.000782	0.017143	0.000000	1.000000
Li 670.784 { 50}	10/21/2025 18:10:07	10/21/2025 8:56:22	Linear	None	-0.000980	0.387906	0.000000	1.000000
Mg 279.079 {121}	10/21/2025 18:10:07	10/21/2025 8:56:22	Linear	None	-0.000168	0.006544	0.000000	1.000000
Mn 257.610 {131}	10/21/2025 18:10:07	10/21/2025 8:56:22	Linear	None	0.000090	0.711030	0.000000	1.000000
Mo 202.030 {467}	10/21/2025 18:10:07	10/21/2025 8:56:22	Linear	None	0.000784	0.660577	0.000000	1.000000
Na 589.592 { 57}	10/21/2025 18:10:07	10/21/2025 8:56:22	Linear	None	0.002737	0.074474	0.000000	1.000000
Ni 231.604 {446}	10/21/2025 18:10:07	10/21/2025 8:56:22	Linear	None	0.000128	0.369561	0.000000	1.000000
P 177.495 {490}	10/21/2025 18:10:07	10/21/2025 8:56:22	Linear	1/Conc	-0.001783	0.086667	0.000000	1.000000
Pb 220.353 {453}	10/21/2025 18:10:07	10/21/2025 8:56:22	Linear	None	0.000067	0.174154	0.000000	1.000000
S 182.034 {485}	10/21/2025 18:10:07	10/21/2025 8:56:22	Linear	None	0.000363	0.052292	0.000000	1.000000
Sb 206.833 {463}	10/21/2025 18:10:07	10/21/2025 8:56:22	Linear	None	0.000273	0.174046	0.000000	1.000000
Se 196.090 {472}	10/21/2025 18:10:07	10/21/2025 8:56:22	Linear	None	0.000222	0.078123	0.000000	1.000000
Si 212.412 {459}	10/21/2025 18:10:07	10/21/2025 8:56:22	Linear	None	0.004980	0.215160	0.000000	1.000000
Sn 189.989 {478}	10/21/2025 18:10:07	10/21/2025 8:56:22	Linear	None	0.000214	0.120633	0.000000	1.000000
Sr 407.771 { 83}	10/21/2025 18:10:07	10/21/2025 8:56:22	Linear	None	0.000769	4.553776	0.000000	1.000000
Ti 334.904 {101}	10/21/2025 18:10:07	10/21/2025 8:56:22	Linear	None	-0.000028	0.141498	0.000000	1.000000
Tl 190.856 {477}	10/21/2025 18:10:07	10/21/2025 8:56:22	Linear	None	-0.000269	0.035730	0.000000	1.000000
V 292.402 {115}	10/21/2025 18:10:07	10/21/2025 8:56:22	Linear	None	0.000021	0.206852	0.000000	1.000000
W 207.911 {462}	10/21/2025 18:10:07	10/21/2025 8:56:22	Linear	None	0.000641	0.357340	0.000000	1.000000
Y 360.073 { 94}*	10/21/2025 18:10:07	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}*	10/21/2025 18:10:07	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 224.306 {451}*	10/21/2025 18:10:07	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Zn 206.200 {464}	10/21/2025 18:10:07	10/21/2025 8:56:22	Linear	None	0.001883	0.869810	0.000000	1.000000
Zr 339.198 { 99}	10/21/2025 18:10:07	10/21/2025 8:56:22	Linear	None	-0.000391	0.483198	0.000000	1.000000

Element, Wavelength and Order	Correlation	Std Error of Est	Predicted MDL	Predicted MQL	Status	Reslope		QC Norm	
						Slope	Y-int	Slope factor	Offset
Ag 328.068 {103}	1.000000	0.000000	0.000384	0.001280	OK.	1.000000	0.000000	1	0
Al 396.152 { 85}	1.000000	0.000000	0.007417	0.024722	OK.	1.000000	0.000000	1	0
As 189.042 {478}	1.000000	0.000000	0.002702	0.009007	OK.	1.000000	0.000000	1	0
B 208.959 {462}	1.000000	0.000000	0.000717	0.002391	OK.	1.000000	0.000000	1	0
Ba 455.403 { 74}	1.000000	0.000000	0.000235	0.000784	OK.	1.000000	0.000000	1	0
Be 313.042 {108}	1.000000	0.000000	0.000056	0.000188	OK.	1.000000	0.000000	1	0
Bi 223.061 {451}	1.000000	0.000000	0.001374	0.004581	OK.	1.000000	0.000000	1	0
Ca 317.933 {106}	1.000000	0.000000	0.002256	0.007521	OK.	1.000000	0.000000	1	0
Cd 228.802 {448}	1.000000	0.000000	0.000216	0.000719	OK.	1.000000	0.000000	1	0
Ce 404.076 { 83}	1.000000	0.000000	0.002227	0.007424	OK.	1.000000	0.000000	1	0
Co 228.616 {448}	1.000000	0.000000	0.000314	0.001046	OK.	1.000000	0.000000	1	0
Cr 267.716 {126}	1.000000	0.000000	0.000309	0.001030	OK.	1.000000	0.000000	1	0
Cu 324.754 {104}2	1.000000	0.000000	0.000281	0.000936	OK.	1.000000	0.000000	1	0
Fe 259.940 {130}	1.000000	0.000000	0.002077	0.006922	OK.	1.000000	0.000000	1	0
In 230.606 {446}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
K 766.490 { 44}	1.000000	0.000000	0.036610	0.122032	OK.	1.000000	0.000000	1	0
Li 670.784 { 50}	1.000000	0.000000	0.001541	0.005138	OK.	1.000000	0.000000	1	0
Mg 279.079 {121}	1.000000	0.000000	0.019410	0.064701	OK.	1.000000	0.000000	1	0
Mn 257.610 {131}	1.000000	0.000000	0.000049	0.000162	OK.	1.000000	0.000000	1	0
Mo 202.030 {467}	1.000000	0.000000	0.000327	0.001089	OK.	1.000000	0.000000	1	0
Na 589.592 { 57}	1.000000	0.000000	0.007719	0.025729	OK.	1.000000	0.000000	1	0
Ni 231.604 {446}	1.000000	0.000000	0.000423	0.001411	OK.	1.000000	0.000000	1	0
P 177.495 {490}	1.000000	0.000000	0.001751	0.005835	OK.	1.000000	0.000000	1	0
Pb 220.353 {453}	1.000000	0.000000	0.001415	0.004717	OK.	1.000000	0.000000	1	0
S 182.034 {485}	1.000000	0.000000	0.003220	0.010732	OK.	1.000000	0.000000	1	0
Sb 206.833 {463}	1.000000	0.000000	0.001454	0.004848	OK.	1.000000	0.000000	1	0
Se 196.090 {472}	1.000000	0.000000	0.002445	0.008150	OK.	1.000000	0.000000	1	0
Si 212.412 {459}	1.000000	0.000000	0.001202	0.004005	OK.	1.000000	0.000000	1	0
Sn 189.989 {478}	1.000000	0.000000	0.001199	0.003996	OK.	1.000000	0.000000	1	0
Sr 407.771 { 83}	1.000000	0.000000	0.000064	0.000214	OK.	1.000000	0.000000	1	0
Ti 334.904 {101}	1.000000	0.000000	0.000334	0.001113	OK.	1.000000	0.000000	1	0
Tl 190.856 {477}	1.000000	0.000000	0.002405	0.008018	OK.	1.000000	0.000000	1	0
V 292.402 {115}	1.000000	0.000000	0.000246	0.000822	OK.	1.000000	0.000000	1	0
W 207.911 {462}	1.000000	0.000000	0.001262	0.004207	OK.	1.000000	0.000000	1	0
Y 360.073 { 94}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 371.030 { 91}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 224.306 {451}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Zn 206.200 {464}	1.000000	0.000000	0.000220	0.000735	OK.	1.000000	0.000000	1	0
Zr 339.198 { 99}	1.000000	0.000000	0.000151	0.000502	OK.	1.000000	0.000000	1	0

Zoom In ▶ Zoom Out

Sample Name: STDA Acquired: 10/22/2025 9:10:00 Type: Cal
Method: SGS 3 NO Valve(v165) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0002**	**.0003**	**-.0007**	**.0007**	**.0011**	**.0004**	**-.0013**	**.0043**	**.0009**
Stddev	.0001	.0001	.0001	.0001	.0004	.0001	.0002	.0001	.0001
%RSD	40.58	31.90	21.38	10.97	36.54	17.41	15.24	1.970	9.563
#1	-.0002	.0002	-.0008	.0008	.0006	.0003	-.0012	.0042	.0010
#2	-.0003	.0003	-.0006	.0006	.0013	.0004	-.0012	.0044	.0009
#3	-.0002	.0004	-.0006	.0007	.0013	.0005	-.0015	.0043	.0008

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0001**	**-.0002**	**.0000**	**.0102**	**.0000**	**.0002**	**.0005**	**-.0002**	**.0001**
Stddev	.0001	.0000	.0000	.0001	.0000	.0003	.0001	.0000	.0000
%RSD	69.27	13.88	343.6	.6699	99.84	114.9	27.96	5.762	7.186
#1	-.0000	-.0002	.0000	.0103	.0001	-.0000	.0005	-.0002	.0001
#2	-.0002	-.0002	.0000	.0102	.0000	.0002	.0005	-.0002	.0001
#3	-.0002	-.0002	-.0000	.0101	.0000	.0005	.0003	-.0002	.0001

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0010**	**.0046**	**.0003**	**-.0013**	**-.0001**	**.0004**	**.0004**	**.0001**	**.0086**
Stddev	.0001	.0004	.0001	.0001	.0003	.0001	.0001	.0001	.0001
%RSD	13.71	9.409	20.54	7.994	337.8	26.20	31.54	136.6	1.509
#1	.0009	.0042	.0002	-.0014	.0002	.0005	.0004	.0001	.0087
#2	.0011	.0050	.0004	-.0012	-.0003	.0004	.0003	.0002	.0087
#3	.0009	.0046	.0003	-.0014	-.0001	.0003	.0005	-.0000	.0085

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0003**	**.0006**	**.0000**	**-.0002**	**.0001**	**.0028**	**.0009**	**-.0004**
Stddev	.0001	.0001	.0000	.0001	.0001	.0003	.0001	.0000
%RSD	53.87	16.12	282.1	41.00	143.0	9.359	8.429	9.351
#1	.0001	.0006	-.0000	-.0003	.0001	.0029	.0009	-.0005
#2	.0002	.0005	.0000	-.0002	-.0000	.0030	.0010	-.0005
#3	.0004	.0007	.0000	-.0001	.0001	.0025	.0008	-.0004

◀ Zoom In ▶ Zoom Out

Sample Name: STDA Acquired: 10/22/2025 9:10:00 Type: Cal
Method: SGS 3 NO Valve(v165) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5982.5**	**102070.**	**17064.**	**2989.8**
Stddev	4.3	225.	89.	1.5
%RSD	.07171	.22040	.52086	.04863
#1	5978.2	102320.	17163.	2991.2
#2	5982.4	101870.	17037.	2990.1
#3	5986.8	102030.	16991.	2988.3

◀ Zoom In ▶ Zoom Out

Sample Name: STDB Acquired: 10/22/2025 9:14:59 Type: Cal
Method: SGS 3 NO Valve(v165) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0809**	**4.193**	**.2658**	**1.191**	**9.562**	**12.37**	**1.163**	**7.568**	**4.804**
Stddev	.0001	.001	.0002	.004	.302	.00	.005	.027	.008
%RSD	.1528	.0264	.0879	.3295	3.164	.0261	.4543	.3617	.1703
#1	.0810	4.193	.2657	1.191	9.233	12.37	1.162	7.541	4.804
#2	.0808	4.194	.2656	1.195	9.828	12.37	1.168	7.596	4.812
#3	.0810	4.192	.2660	1.188	9.625	12.37	1.158	7.568	4.796

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.2120**	**1.875**	**.5215**	**1.476**	**3.696**	**1.554**	**1.832**	**.5371**	**3.104**
Stddev	.0005	.003	.0011	.003	.013	.002	.006	.0024	.018
%RSD	.2472	.1393	.2050	.2124	.3383	.0999	.3347	.4384	.5938
#1	.2126	1.877	.5227	1.480	3.682	1.552	1.838	.5347	3.097
#2	.2117	1.872	.5206	1.476	3.705	1.555	1.826	.5394	3.090
#3	.2117	1.875	.5212	1.473	3.701	1.555	1.831	.5372	3.125

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2.918**	**6.779**	**1.591**	**.3836**	**.7533**	**.2331**	**.7875**	**.3491**	**2.578**
Stddev	.005	.006	.002	.0010	.0025	.0005	.0019	.0007	.009
%RSD	.1565	.0884	.1355	.2546	.3320	.2179	.2416	.2009	.3516
#1	2.918	6.786	1.593	.3839	.7552	.2333	.7869	.3490	2.580
#2	2.922	6.774	1.589	.3843	.7505	.2335	.7896	.3499	2.587
#3	2.913	6.778	1.591	.3825	.7544	.2325	.7860	.3485	2.569

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.5185**	**20.37**	**.6299**	**.1563**	**.9213**	**1.588**	**3.717**	**2.139**
Stddev	.0005	.16	.0002	.0003	.0022	.001	.011	.006
%RSD	.1061	.7891	.0284	.1914	.2395	.0661	.2873	.2942
#1	.5189	20.39	.6301	.1564	.9237	1.588	3.726	2.146
#2	.5179	20.52	.6298	.1559	.9194	1.589	3.705	2.133
#3	.5187	20.20	.6299	.1564	.9209	1.587	3.720	2.137

◀ Zoom In ▶ Zoom Out

Sample Name: STDB Acquired: 10/22/2025 9:14:59 Type: Cal
Method: SGS 3 NO Valve(v165) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5943.5**	**101720.**	**17011.**	**2921.5**
Stddev	11.2	359.	75.	5.4
%RSD	.18800	.35315	.44306	.18367
#1	5931.0	101450.	17081.	2917.5
#2	5952.4	102130.	16931.	2919.4
#3	5947.2	101590.	17020.	2927.6

Zoom In Zoom Out

Sample Name: ICV Acquired: 10/22/2025 9:19:58 Type: QC
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2552	38.67	1.918	1.983	2.005	2.011	F 1.884	39.14	2.014
Stddev	.0003	.04	.003	.002	.003	.001	.002	.04	.003
%RSD	.1184	.0979	.1532	.1129	.1511	.0413	.1142	.0933	.1608
#1	.2554	38.67	1.922	1.981	2.002	2.010	1.882	39.15	2.015
#2	.2549	38.71	1.917	1.985	2.008	2.011	1.886	39.17	2.016
#3	.2554	38.64	1.916	1.983	2.006	2.010	1.885	39.10	2.010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value							2.000		
Range							-5.000%		

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.989	2.010	1.995	1.927	38.88	38.01	2.059	39.14	2.038
Stddev	.001	.002	.010	.002	.03	.07	.003	.15	.011
%RSD	.0631	.1166	.4805	.1020	.0648	.1923	.1270	.3861	.5603
#1	1.989	2.011	1.998	1.929	38.88	37.97	2.056	39.24	2.041
#2	1.988	2.011	1.984	1.927	38.91	38.09	2.061	39.21	2.025
#3	1.990	2.007	2.003	1.925	38.86	37.96	2.059	38.97	2.047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.965	38.58	2.018	2.007	2.010	1.975	1.963	2.013	4.901
Stddev	.001	.04	.003	.002	.004	.002	.001	.002	.008
%RSD	.0616	.1079	.1591	.0931	.1982	.0864	.0423	.0961	.1680
#1	1.966	38.55	2.018	2.009	2.014	1.976	1.963	2.011	4.902
#2	1.965	38.63	2.021	2.005	2.007	1.973	1.964	2.012	4.909
#3	1.964	38.56	2.015	2.006	2.007	1.975	1.963	2.015	4.892
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ICV Acquired: 10/22/2025 9:19:58 Type: QC
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.981	1.986	1.951	1.987	1.978	1.961	2.033	1.992
Stddev	.006	.001	.004	.005	.007	.004	.006	.005
%RSD	.3002	.0578	.1882	.2787	.3358	.1844	.2947	.2317
#1	1.982	1.986	1.953	1.992	1.982	1.960	2.037	1.994
#2	1.986	1.987	1.947	1.981	1.970	1.964	2.036	1.986
#3	1.974	1.985	1.954	1.987	1.982	1.957	2.026	1.994
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5991.0	101980.	16967.	2968.9
Stddev	5.7	561.	64.	2.9
%RSD	.09586	.54972	.37768	.09626
#1	5989.2	101650.	16930.	2968.3
#2	5986.4	102620.	16929.	2966.4
#3	5997.4	101650.	17041.	2972.0

Zoom In Zoom Out

Sample Name: rinseconf Acquired: 10/22/2025 9:26:32 Type: Unk
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0214	-.0001	.0025	.0010	.0011	.0013	.0245	.0005
Stddev	.0003	.0085	.0013	.0003	.0002	.0003	.0005	.0048	.0001
%RSD	91.45	39.77	2024.	11.00	22.64	23.11	37.32	19.52	19.49
#1	.0006	.0276	-.0011	.0025	.0013	.0014	.0015	.0300	.0004
#2	-.0000	.0249	.0014	.0023	.0008	.0010	.0007	.0226	.0005
#3	.0004	.0117	-.0004	.0028	.0011	.0010	.0015	.0210	.0006

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0040	.0004	.0004	.0007	.0217	.0432	.0029	.0350	.0007
Stddev	.0006	.0001	.0002	.0003	.0049	.0129	.0018	.0213	.0001
%RSD	15.60	18.13	51.95	43.64	22.73	29.86	61.91	60.82	9.772
#1	.0034	.0004	.0007	.0008	.0272	.0527	.0042	.0445	.0008
#2	.0047	.0003	.0003	.0003	.0178	.0285	.0009	.0499	.0007
#3	.0039	.0004	.0003	.0008	.0200	.0484	.0036	.0106	.0006

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0285	.0004	-.0012	.0005	-.0005	.0018	-.0005	.0023
Stddev	.0000	.0045	.0002	.0008	.0006	.0002	.0014	.0039	.0012
%RSD	14.53	15.84	46.85	61.99	114.7	36.13	77.42	810.1	52.02
#1	.0003	.0329	.0006	-.0005	-.0001	-.0005	.0028	.0015	.0010
#2	.0002	.0288	.0004	-.0011	.0010	-.0004	.0022	-.0050	.0033
#3	.0003	.0239	.0002	-.0020	.0006	-.0007	.0002	.0020	.0028

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0014	.0011	.0004	-.0010	.0006	-.0042	.0000	.0007
Stddev	.0013	.0003	.0003	.0030	.0001	.0005	.0001	.0000
%RSD	92.13	24.53	62.72	291.8	21.07	11.29	235.4	3.972
#1	.0021	.0014	.0007	-.0009	.0007	-.0044	-.0001	.0007
#2	-.0001	.0009	.0003	-.0041	.0005	-.0045	.0001	.0007
#3	.0022	.0010	.0002	.0019	.0007	-.0037	.0001	.0007

Zoom In Zoom Out

Sample Name: rinseconf Acquired: 10/22/2025 9:26:32 Type: Unk
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6015.1	102270.	17027.	3009.7
Stddev	14.3	415.	10.	8.3
%RSD	.23837	.40625	.05986	.27702
#1	6000.3	101800.	17017.	3000.5
#2	6028.9	102440.	17037.	3016.7
#3	6016.0	102580.	17027.	3011.7

Zoom In Zoom Out

Sample Name: ICB Acquired: 10/22/2025 9:31:44 Type: QC
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**.0120**	**.0001**	**.0013**	**.0003**	W **.0004**	**-.0011**	**.0082**
Stddev	.0003	.0075	.0008	.0005	.0001	.0001	.0004	.0016
%RSD	48.93	63.03	943.6	36.54	48.75	13.64	39.01	19.73
#1	.0007	.0193	.0009	.0018	.0004	.0004	-.0015	.0100
#2	.0008	.0124	-.0005	.0009	.0003	.0005	-.0011	.0078
#3	.0003	.0042	-.0002	.0012	.0002	.0004	-.0007	.0068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit						.0004		
Low Limit						-.0004		

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0013**	**-.0002**	**.0003**	**.0006**	**.0083**	**.0185**	**.0001**
Stddev	.0001	.0004	.0002	.0002	.0002	.0022	.0183	.0015
%RSD	42.27	33.10	104.6	71.32	29.09	27.07	98.95	2072.
#1	.0002	.0016	.0000	.0001	.0006	.0106	-.0008	-.0002
#2	.0001	.0014	-.0002	.0003	.0004	.0080	.0208	-.0012
#3	.0002	.0008	-.0004	.0006	.0008	.0062	.0356	.0017
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0346**	**.0003**	**.0003**	**.0057**	**.0005**	**-.0004**	**.0002**	**-.0012**
Stddev	.0115	.0000	.0002	.0040	.0002	.0008	.0001	.0010
%RSD	33.22	8.544	57.28	70.96	39.79	177.4	36.08	85.00
#1	.0477	.0003	.0001	.0057	.0007	.0004	.0003	-.0023
#2	.0260	.0003	.0003	.0097	.0003	-.0007	.0003	-.0002
#3	.0302	.0003	.0005	.0017	.0005	-.0011	.0001	-.0012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Zoom In Zoom Out

Sample Name: ICB Acquired: 10/22/2025 9:31:44 Type: QC
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0004**	**-.0001**	**.0013**	**.0003**	**.0004**	**.0003**	**-.0014**	**.0001**
Stddev	.0011	.0011	.0006	.0002	.0001	.0002	.0017	.0001
%RSD	253.0	929.7	43.82	68.29	13.38	47.04	120.7	83.70
#1	-.0007	-.0011	.0010	.0001	.0004	.0003	.0004	.0001
#2	-.0014	-.0003	.0019	.0002	.0004	.0005	-.0029	.0000
#3	.0008	.0011	.0009	.0005	.0003	.0002	-.0016	.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.0041**	**-.0003**	**.0004**
Stddev	.0010	.0002	.0001
%RSD	25.74	62.74	36.09
#1	-.0034	-.0002	.0002
#2	-.0035	-.0005	.0004
#3	-.0053	-.0002	.0005
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6054.4**	**103410.**	**17516.**	**3027.6**
Stddev	6.1	439.	92.	5.3
%RSD	.10143	.42408	.52372	.17399
#1	6055.9	103900.	17508.	3026.1
#2	6059.6	103240.	17611.	3033.5
#3	6047.6	103070.	17429.	3023.3

Zoom In Zoom Out

Sample Name: ICCV Acquired: 10/22/2025 9:37:24 Type: QC
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2398**	**38.32**	**1.951**	**1.951**	**1.970**	**1.982**	**1.917**	**39.15**	**1.995**
Stddev	.0008	.03	.005	.004	.003	.006	.002	.16	.002
%RSD	.3270	.0774	.2813	.1851	.1505	.2873	.0954	.4179	.0827
#1	.2401	38.29	1.943	1.947	1.969	1.980	1.915	39.22	1.992
#2	.2396	38.31	1.956	1.955	1.967	1.985	1.919	39.20	1.995
#3	.2406	38.32	1.952	1.950	1.969	1.974	1.917	38.90	1.996
#4	.2388	38.36	1.954	1.953	1.974	1.986	1.915	39.26	1.996
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.956**	**1.982**	**1.965**	**1.902**	**39.00**	**38.04**	**1.949**	**38.79**	**2.006**
Stddev	.003	.001	.009	.008	.07	.05	.003	.15	.009
%RSD	.1318	.0551	.4616	.4273	.1774	.1238	.1280	.3832	.4325
#1	1.954	1.982	1.969	1.902	39.04	37.98	1.948	38.90	2.011
#2	1.954	1.983	1.975	1.890	39.03	38.03	1.946	38.79	2.016
#3	1.959	1.983	1.960	1.906	38.90	38.09	1.949	38.58	2.001
#4	1.957	1.980	1.954	1.908	39.03	38.06	1.952	38.89	1.997
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ICCV Acquired: 10/22/2025 9:37:24 Type: QC
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.970**	**38.42**	**1.993**	**1.976**	**1.981**	**1.957**	**1.949**	**1.970**	**4.891**
Stddev	.002	.06	.001	.004	.001	.003	.003	.003	.007
%RSD	.1020	.1551	.0574	.2026	.0561	.1759	.1761	.1270	.1484
#1	1.967	38.36	1.993	1.971	1.981	1.957	1.944	1.969	4.881
#2	1.972	38.38	1.993	1.980	1.980	1.955	1.949	1.973	4.898
#3	1.971	38.47	1.995	1.978	1.982	1.953	1.950	1.971	4.894
#4	1.971	38.47	1.992	1.976	1.979	1.961	1.952	1.967	4.892
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.969**	**1.972**	**1.948**	**1.977**	**1.954**	**1.956**	**1.995**	**1.960**
Stddev	.003	.004	.004	.001	.006	.003	.002	.003
%RSD	.1498	.2009	.1951	.0548	.3187	.1516	.1071	.1284
#1	1.965	1.968	1.949	1.976	1.957	1.954	1.995	1.962
#2	1.969	1.972	1.952	1.979	1.961	1.954	1.996	1.962
#3	1.972	1.971	1.948	1.977	1.953	1.960	1.993	1.959
#4	1.969	1.977	1.943	1.977	1.947	1.957	1.998	1.957
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Zoom In Zoom Out

Sample Name: ICCV Acquired: 10/22/2025 9:37:24 Type: QC
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6039.6**	**103370.**	**17251.**	**2988.7**
Stddev	9.7	409.	103.	6.0
%RSD	.16037	.39603	.59836	.19916
#1	6053.2	102920.	17189.	2996.5
#2	6040.1	103390.	17227.	2987.4
#3	6033.4	103270.	17403.	2988.6
#4	6031.9	103910.	17184.	2982.1

Zoom In Zoom Out

Sample Name: CCB 7 Acquired: 10/22/2025 9:42:22 Type: QC
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0113**	**-.0013**	**.0022**	**.0001**	**.0003**	**-.0009**	**.0072**	**.0003**
Stddev	.0002	.0079	.0031	.0005	.0001	.0000	.0012	.0013	.0002
%RSD	99.52	70.54	249.0	22.28	101.7	7.755	128.5	17.92	64.74
#1	.0001	.0119	-.0047	.0028	.0003	.0003	-.0000	.0068	.0006
#2	.0004	.0189	-.0005	.0020	-.0000	.0003	-.0023	.0086	.0002
#3	.0000	.0030	.0014	.0019	.0002	.0003	-.0005	.0061	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0022**	**.0003**	**.0004**	**.0006**	**.0063**	**.0326**	**.0016**	**.0362**	**.0003**
Stddev	.0005	.0001	.0003	.0001	.0014	.0011	.0006	.0228	.0000
%RSD	23.14	36.00	82.65	23.39	22.74	3.314	36.97	63.01	3.846
#1	.0027	.0004	.0007	.0007	.0063	.0335	.0019	.0623	.0003
#2	.0023	.0002	.0001	.0005	.0078	.0328	.0018	.0196	.0003
#3	.0017	.0003	.0003	.0007	.0049	.0314	.0009	.0269	.0003
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0105**	**.0001**	**.0006**	**.0004**	**-.0012**	**.0006**	**.0004**	**.0025**
Stddev	.0002	.0078	.0003	.0007	.0006	.0025	.0004	.0019	.0008
%RSD	59.37	74.06	571.6	119.6	126.6	202.9	61.13	514.3	33.70
#1	.0005	.0195	.0004	.0003	-.0002	.0003	.0003	-.0013	.0021
#2	.0001	.0057	-.0002	.0001	.0007	.0001	.0004	-.0001	.0034
#3	.0006	.0064	-.0001	.0013	.0008	-.0041	.0010	.0025	.0019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: CCB 7 Acquired: 10/22/2025 9:42:22 Type: QC
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0009**	**.0003**	**.0005**	**-.0011**	**.0003**	**-.0046**	**-.0002**	**.0003**
Stddev	.0006	.0000	.0001	.0009	.0001	.0002	.0002	.0001
%RSD	64.43	11.89	28.87	81.84	38.00	4.363	110.3	44.65
#1	.0013	.0003	.0006	-.0004	.0002	-.0047	-.0000	.0002
#2	.0012	.0003	.0005	-.0021	.0002	-.0044	-.0001	.0003
#3	.0002	.0002	.0003	-.0007	.0004	-.0047	-.0004	.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6077.8**	**103220.**	**17390.**	**3038.7**
Stddev	5.6	342.	31.	2.4
%RSD	.09205	.33153	.17713	.07990
#1	6073.4	102870.	17407.	3036.7
#2	6084.1	103230.	17355.	3037.9
#3	6076.0	103560.	17409.	3041.4

Zoom In Zoom Out

Sample Name: CRI Acquired: 10/22/2025 9:48:03 Type: QC
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0049**	**.2037**	**.0065**	**.0991**	**.2033**	**.0020**	**.0208**	**5.085**	**.0032**
Stddev	.0005	.0013	.0014	.0005	.0002	.0000	.0015	.010	.0000
%RSD	9.764	.6396	22.00	.4724	.0742	.5445	7.042	.1959	1.370
#1	.0054	.2036	.0074	.0996	.2033	.0020	.0222	5.088	.0032
#2	.0046	.2025	.0049	.0991	.2034	.0020	.0193	5.074	.0033
#3	.0046	.2051	.0073	.0987	.2031	.0020	.0209	5.093	.0032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0021**	**.0512**	**.0102**	**.0095**	**.1003**	**4.773**	**.0523**	**5.001**	**.0155**
Stddev	.0003	.0004	.0003	.0003	.0007	.023	.0005	.017	.0001
%RSD	12.20	.7646	2.677	3.102	.6667	.4770	1.008	.3396	.6499
#1	.0022	.0510	.0104	.0093	.1003	4.765	.0529	5.004	.0154
#2	.0018	.0517	.0099	.0092	.0996	4.799	.0521	5.016	.0155
#3	.0024	.0510	.0102	.0098	.1009	4.756	.0519	4.982	.0156
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0203**	**4.826**	**.0106**	**.0491**	**.0032**	**.0497**	**.0070**	**.0103**	**.2068**
Stddev	.0004	.008	.0002	.0007	.0005	.0018	.0009	.0006	.0005
%RSD	2.048	.1610	1.646	1.356	16.45	3.711	13.02	5.481	.2437
#1	.0204	4.834	.0108	.0489	.0026	.0507	.0072	.0109	.2063
#2	.0198	4.824	.0104	.0498	.0035	.0476	.0060	.0102	.2073
#3	.0206	4.819	.0105	.0485	.0035	.0508	.0078	.0098	.2067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: CRI Acquired: 10/22/2025 9:48:03 Type: QC
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0093**	**.0101**	**.0096**	**.0102**	**.0498**	**.0448**	**.0207**	**.0101**
Stddev	.0005	.0000	.0002	.0023	.0003	.0001	.0001	.0001
%RSD	4.998	.3975	2.117	22.91	.5363	.3024	.6928	.6613
#1	.0089	.0102	.0098	.0080	.0501	.0447	.0206	.0101
#2	.0098	.0101	.0095	.0126	.0496	.0447	.0206	.0100
#3	.0091	.0101	.0094	.0099	.0498	.0449	.0209	.0102
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6065.5**	**103560.**	**17327.**	**3018.9**
Stddev	6.9	293.	50.	5.0
%RSD	.11435	.28293	.29063	.16711
#1	6073.1	103390.	17336.	3022.6
#2	6059.5	103900.	17372.	3021.0
#3	6063.9	103400.	17273.	3013.2

Zoom In Zoom Out

Sample Name: CRID Acquired: 10/22/2025 9:52:57 Type: QC
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.0000**	**.1057**	**.0032**	**.0008**	**.0041**	**.0010**	**-.0017**	**1.044**
Stddev	.0002	.0034	.0022	.0002	.0001	.0000	.0004	.003
%RSD	3760.	3.214	67.53	20.87	2.949	.8559	24.62	.3183
#1	.0000	.1089	.0048	.0007	.0039	.0010	-.0016	1.045
#2	-.0002	.1062	.0041	.0010	.0041	.0010	-.0022	1.047
#3	.0002	.1021	.0007	.0008	.0041	.0010	-.0014	1.041
Check ?	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass
Value	.0020							
Range	-20.00%							

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0009**	**.0012**	**.0030**	**.0019**	F **.0008**	**-.0004**	**1.946**	**.0018**
Stddev	.0003	.0020	.0001	.0001	.0001	.0018	.013	.0012
%RSD	29.44	168.2	4.607	4.440	13.57	413.5	.6612	65.42
#1	.0011	.0034	.0030	.0019	.0008	-.0022	1.961	.0031
#2	.0006	-.0001	.0032	.0018	.0009	.0013	1.936	.0008
#3	.0010	.0001	.0030	.0020	.0007	-.0004	1.943	.0016
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	None
Value					.0020			
Range					-20.00%			

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1115**	**.0031**	**-.0002**	**.9778**	**.0042**	**-.0002**	F **.0009**	**-.0001**
Stddev	.0098	.0000	.0003	.0063	.0001	.0004	.0008	.0010
%RSD	8.787	.1485	163.7	.6452	2.562	182.4	86.12	1181.
#1	.1109	.0031	.0001	.9832	.0041	-.0004	.0001	-.0008
#2	.1020	.0031	-.0004	.9794	.0044	.0002	.0017	-.0006
#3	.1216	.0031	-.0003	.9709	.0042	-.0004	.0009	.0011
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Fail	None
Value							.0025	
Range							-20.00%	

Zoom In Zoom Out

Sample Name: CRID Acquired: 10/22/2025 9:52:57 Type: QC
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.0007**	F **.0035**	**-.0026**	**.0003**	**-.0000**	**-.0001**	F **-.0002**	**.0022**
Stddev	.0009	.0010	.0005	.0010	.0000	.0000	.0011	.0002
%RSD	134.8	27.80	18.80	369.2	47.82	33.71	608.8	8.498
#1	.0013	.0025	-.0023	.0008	-.0001	-.0001	.0006	.0024
#2	-.0004	.0035	-.0031	-.0009	-.0000	-.0001	-.0014	.0022
#3	.0012	.0045	-.0022	.0008	-.0000	-.0002	.0003	.0020
Check ?	Chk Fail	Chk Fail	None	None	None	None	Chk Fail	Chk Pass
Value	.0030	.0050					.0020	
Range	-20.00%	-20.00%					-20.00%	

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.0042**	**.0109**	**-.0000**
Stddev	.0004	.0001	.0001
%RSD	10.03	.8383	339.3
#1	-.0040	.0108	-.0001
#2	-.0039	.0109	.0000
#3	-.0047	.0110	-.0000
Check ?	None	Chk Pass	None
Value			
Range			

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6033.0**	**103200.**	**17476.**	**3014.7**
Stddev	7.2	207.	140.	3.4
%RSD	.11951	.20092	.79883	.11432
#1	6038.6	103350.	17416.	3013.3
#2	6035.5	102960.	17376.	3018.6
#3	6024.9	103280.	17636.	3012.1

Zoom In Zoom Out

Sample Name: ICSA Acquired: 10/22/2025 9:57:53 Type: QC
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007**	**497.7**	**.0021**	**.0003**	**.0014**	**-.0006**	**-.0076**	**370.3**	**-.0015**
Stddev	.0002	6.8	.0043	.0005	.0002	.0000	.0013	5.6	.0001
%RSD	31.73	1.372	202.2	186.1	12.12	4.002	17.71	1.511	4.167
#1	.0007	492.8	.0053	.0007	.0015	-.0005	-.0078	364.3	-.0015
#2	.0010	505.5	-.0028	-.0003	.0012	-.0006	-.0088	375.3	-.0016
#3	.0005	494.8	.0038	.0004	.0015	-.0006	-.0061	371.4	-.0015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0236**	**.0008**	**-.0002**	**.0023**	**181.8**	**-.1006**	**-.0007**	**498.7**	**-.0058**
Stddev	.0018	.0005	.0000	.0004	.9	.0159	.0003	3.8	.0001
%RSD	7.788	58.51	17.72	16.10	.5060	15.80	37.65	.7578	1.560
#1	.0255	.0003	-.0002	.0023	180.8	-.0935	-.0007	494.4	-.0058
#2	.0235	.0010	-.0002	.0020	182.2	-.0895	-.0010	500.2	-.0059
#3	.0219	.0011	-.0002	.0027	182.5	-.1188	-.0005	501.5	-.0058
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0016**	**.0419**	**-.0015**	**-.0213**	**.0023**	**-.0296**	**-.0030**	**.0004**	**-.0077**
Stddev	.0004	.0051	.0007	.0015	.0003	.0012	.0027	.0024	.0028
%RSD	26.45	12.09	49.16	6.794	11.57	4.060	92.78	658.8	36.81
#1	.0014	.0397	-.0007	-.0216	.0026	-.0286	-.0060	-.0017	-.0109
#2	.0021	.0383	-.0015	-.0226	.0023	-.0292	-.0006	-.0002	-.0066
#3	.0014	.0477	-.0021	-.0198	.0020	-.0309	-.0024	.0030	-.0055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

15.2
15

Zoom In Zoom Out

Sample Name: ICSA Acquired: 10/22/2025 9:57:53 Type: QC
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0011**	**-.0014**	**.0022**	**.0006**	**-.0048**	**.0039**	**.0025**
Stddev	.0010	.0000	.0003	.0006	.0000	.0016	.0004	.0001
%RSD	1997.	1.936	20.25	27.60	7.188	34.10	11.07	4.733
#1	.0004	.0011	-.0011	.0029	.0006	-.0054	.0042	.0025
#2	-.0012	.0011	-.0016	.0017	.0005	-.0030	.0034	.0023
#3	.0007	.0011	-.0015	.0021	.0006	-.0061	.0040	.0025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5702.7**	**100240.**	**17090.**	**2839.5**
Stddev	14.4	181.	182.	7.9
%RSD	.25244	.18080	1.0677	.27848
#1	5695.1	100030.	17287.	2835.3
#2	5693.8	100340.	17053.	2834.6
#3	5719.3	100350.	16928.	2848.7

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 10/22/2025 10:02:59 Type: QC
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.100**	**499.3**	**.9651**	**.5144**	**.4994**	**.4929**	**.4984**	**372.3**	**1.069**
Stddev	.003	6.1	.0049	.0016	.0020	.0022	.0027	2.2	.002
%RSD	.2590	1.223	.5029	.3079	.4003	.4385	.5328	.5809	.1851
#1	1.097	492.2	.9669	.5152	.4986	.4917	.5014	374.2	1.071
#2	1.101	502.7	.9687	.5155	.5017	.4953	.4965	372.8	1.068
#3	1.103	502.9	.9595	.5126	.4980	.4915	.4972	369.9	1.067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5326**	**.5078**	**.4626**	**.5419**	**182.8**	**-.0983**	**.5512**	**502.0**	**.4987**
Stddev	.0009	.0002	.0014	.0015	.4	.0162	.0020	2.3	.0011
%RSD	.1646	.0476	.3101	.2678	.1941	16.48	.3624	.4564	.2114
#1	.5335	.5077	.4614	.5413	182.5	-.0855	.5500	500.5	.4987
#2	.5318	.5076	.4642	.5409	183.2	-.0929	.5535	504.6	.4998
#3	.5325	.5080	.4622	.5436	182.6	-.1165	.5501	500.8	.4976
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4936**	**.0491**	**.9945**	**.5011**	**.9739**	**.4736**	**1.015**	**.9949**	**.4229**
Stddev	.0006	.0117	.0011	.0022	.0023	.0035	.006	.0027	.0022
%RSD	.1252	23.80	.1117	.4305	.2312	.7366	.5682	.2696	.5282
#1	.4939	.0624	.9942	.5005	.9764	.4777	1.021	.9931	.4250
#2	.4939	.0448	.9957	.4993	.9721	.4720	1.015	.9936	.4233
#3	.4929	.0402	.9935	.5035	.9733	.4713	1.009	.9980	.4205
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 10/22/2025 10:02:59 Type: QC
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4760**	**.4939**	**.4783**	**.9726**	**.4903**	**.4802**	**.9356**	**.4779**
Stddev	.0025	.0016	.0012	.0022	.0008	.0022	.0018	.0006
%RSD	.5336	.3278	.2521	.2219	.1709	.4636	.1883	.1235
#1	.4736	.4936	.4778	.9744	.4898	.4811	.9336	.4784
#2	.4756	.4956	.4797	.9733	.4913	.4818	.9368	.4781
#3	.4787	.4924	.4774	.9702	.4898	.4776	.9365	.4772
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5710.8**	**99635.**	**17172.**	**2837.6**
Stddev	1.6	276.	50.	2.7
%RSD	.02871	.27674	.29003	.09518
#1	5709.1	99746.	17178.	2835.0
#2	5712.3	99321.	17119.	2840.4
#3	5711.0	99838.	17218.	2837.5

Zoom In Zoom Out

Sample Name: HSTD Acquired: 10/22/2025 10:07:52 Type: QC
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6266**	**.0736**	**7.549**	**7.556**	**7.813**	**7.799**	**7.343**	**.1636**	**7.231**
Stddev	.0002	.0858	.003	.009	.057	.109	.013	.0731	.004
%RSD	.0397	116.6	.0412	.1154	.7291	1.395	.1782	44.67	.0564
#1	.6269	-.0242	7.553	7.546	7.877	7.857	7.328	.0809	7.233
#2	.6266	.1364	7.546	7.559	7.768	7.866	7.349	.2194	7.233
#3	.6264	.1087	7.549	7.563	7.794	7.673	7.352	.1905	7.226
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0170**	**7.782**	**7.852**	**7.233**	**.0948**	**.4335**	**7.857**	**.4168**	**7.708**
Stddev	.0006	.006	.027	.053	.0354	.0201	.029	.0961	.097
%RSD	3.515	.0722	.3415	.7329	37.38	4.637	.3630	23.06	1.263
#1	.0168	7.775	7.883	7.286	.0543	.4386	7.850	.3096	7.736
#2	.0176	7.785	7.840	7.231	.1202	.4505	7.832	.4954	7.600
#3	.0164	7.785	7.833	7.180	.1099	.4113	7.888	.4453	7.788
Check ?	None	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass	None	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.729**	**.0796**	**7.835**	**7.680**	**7.777**	**93.73**	**7.610**	**7.712**	**24.24**
Stddev	.003	.0062	.003	.009	.005	.07	.007	.008	.04
%RSD	.0424	7.790	.0392	.1188	.0617	.0723	.0893	.1088	.1609
#1	7.728	.0738	7.833	7.683	7.773	93.67	7.604	7.703	24.20
#2	7.732	.0790	7.834	7.687	7.776	93.81	7.617	7.712	24.24
#3	7.726	.0861	7.839	7.670	7.783	93.71	7.610	7.720	24.28
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: HSTD Acquired: 10/22/2025 10:07:52 Type: QC
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.786**	**7.537**	**7.718**	**7.612**	**7.738**	**7.941**	**8.025**	**7.654**
Stddev	.010	.170	.015	.003	.019	.004	.004	.020
%RSD	.1330	2.254	.1908	.0369	.2416	.0562	.0445	.2598
#1	7.792	7.700	7.733	7.609	7.757	7.942	8.027	7.648
#2	7.774	7.549	7.720	7.615	7.737	7.936	8.021	7.638
#3	7.792	7.361	7.703	7.612	7.720	7.945	8.027	7.676
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6149.4**	**103270.**	**17364.**	**2986.3**
Stddev	10.8	426.	120.	4.6
%RSD	.17633	.41275	.68911	.15438
#1	6161.2	102780.	17492.	2990.9
#2	6147.1	103470.	17255.	2986.1
#3	6139.9	103560.	17345.	2981.7

Zoom In Zoom Out

Sample Name: HSTD Acquired: 10/22/2025 10:13:18 Type: QC
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**290.1**	**.0014**	**.0080**	**.0030**	**.0011**	**-.0057**	**186.3**	**.0007**
Stddev	.0004	2.1	.0017	.0005	.0002	.0000	.0023	1.6	.0002
%RSD	98.16	.7197	124.6	6.737	5.324	3.437	40.30	.8699	33.28
#1	.0000	292.5	.0018	.0086	.0030	.0010	-.0032	188.1	.0008
#2	.0003	289.2	-.0005	.0076	.0029	.0010	-.0061	185.1	.0008
#3	.0008	288.7	.0028	.0078	.0032	.0011	-.0078	185.6	.0004
Check ?	None	Chk Pass	None	None	None	None	None	Chk Pass	None
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0221**	**.0019**	**.0009**	**.0035**	**182.8**	**195.4**	**.0067**	**299.5**	**-.0020**
Stddev	.0009	.0001	.0002	.0002	.2	.3	.0004	.5	.0000
%RSD	4.232	7.702	23.65	4.309	.0945	.1284	6.521	.1734	1.181
#1	.0224	.0018	.0007	.0034	182.7	195.3	.0066	299.4	-.0020
#2	.0229	.0018	.0011	.0037	182.7	195.3	.0063	299.1	-.0021
#3	.0211	.0020	.0010	.0035	183.0	195.7	.0072	300.1	-.0020
Check ?	None	None	None	None	Chk Pass	Chk Pass	None	Chk Pass	None
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0025**	**193.9**	**-.0002**	**-.0125**	**.0038**	**.0038**	**-.0001**	**.0056**	**.0105**
Stddev	.0003	1.3	.0001	.0008	.0003	.0029	.0010	.0039	.0011
%RSD	10.20	.6760	91.93	6.602	7.138	78.54	1625.	70.67	10.79
#1	.0022	193.3	-.0001	-.0116	.0035	.0071	-.0011	.0084	.0117
#2	.0027	193.1	-.0000	-.0127	.0040	.0018	.0009	.0071	.0096
#3	.0026	195.4	-.0003	-.0132	.0038	.0023	.0000	.0011	.0101
Check ?	None	Chk Pass	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: HSTD Acquired: 10/22/2025 10:13:18 Type: QC
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**.0019**	**.0002**	**.0032**	**.0016**	**-.0044**	**.0036**	**.0036**
Stddev	.0002	.0000	.0002	.0028	.0002	.0019	.0003	.0001
%RSD	35.23	1.896	74.90	85.02	14.64	43.06	8.553	2.721
#1	.0006	.0019	.0004	.0062	.0018	-.0066	.0037	.0037
#2	.0004	.0019	.0002	.0027	.0017	-.0032	.0039	.0036
#3	.0008	.0019	.0001	.0008	.0014	-.0034	.0033	.0035
Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5745.7**	**100610.**	**16855.**	**2865.8**
Stddev	5.5	211.	29.	3.3
%RSD	.09603	.21003	.17057	.11501
#1	5748.8	100550.	16823.	2864.2
#2	5739.3	100440.	16865.	2863.7
#3	5749.0	100850.	16878.	2869.6

Zoom In Zoom Out

Sample Name: FECONF Acquired: 10/22/2025 10:18:36 Type: Unk
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0005**	**.1202**	**-.0004**	**.0035**	**.0005**	**.0006**	**-.0051**	**.1243**	**.0010**
Stddev	.0003	.0631	.0025	.0006	.0002	.0003	.0016	.0400	.0003
%RSD	49.48	52.50	617.7	16.07	38.58	44.30	32.17	32.16	25.83
#1	-.0007	.0817	.0015	.0041	.0003	.0004	-.0068	.1011	.0011
#2	-.0002	.0860	-.0032	.0030	.0005	.0005	-.0035	.1013	.0013
#3	-.0006	.1931	.0005	.0033	.0007	.0010	-.0049	.1704	.0007

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0127**	**.0018**	**.0000**	**.0009**	**190.1**	**-.0247**	**.0040**	**.1644**	**.0004**
Stddev	.0029	.0001	.0000	.0004	2.1	.0286	.0004	.0880	.0000
%RSD	22.54	7.659	420.1	44.83	1.127	115.7	9.243	53.55	9.787
#1	.0159	.0017	.0001	.0012	191.9	-.0285	.0038	.1136	.0004
#2	.0117	.0018	-.0000	.0005	190.7	-.0512	.0044	.1136	.0004
#3	.0105	.0019	-.0000	.0008	187.7	.0056	.0037	.2661	.0005

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0017**	**.2248**	**-.0008**	**-.0061**	**-.0001**	**.0119**	**.0031**	**.0040**	**.0160**
Stddev	.0001	.0242	.0005	.0003	.0002	.0034	.0011	.0008	.0011
%RSD	5.879	10.78	61.41	4.910	285.5	28.65	34.19	20.40	6.849
#1	.0016	.2133	-.0012	-.0058	.0002	.0153	.0040	.0039	.0165
#2	.0018	.2084	-.0011	-.0061	-.0002	.0118	.0019	.0033	.0167
#3	.0017	.2526	-.0002	-.0064	-.0003	.0085	.0033	.0049	.0147

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0027**	**.0006**	**.0007**	**.0028**	**.0008**	**-.0041**	**.0064**	**.0039**
Stddev	.0020	.0003	.0003	.0024	.0001	.0005	.0002	.0001
%RSD	73.60	42.93	41.01	85.00	17.44	13.04	2.955	2.803
#1	.0044	.0005	.0004	.0047	.0008	-.0046	.0063	.0040
#2	.0005	.0005	.0008	.0001	.0007	-.0035	.0066	.0039
#3	.0033	.0009	.0009	.0036	.0010	-.0042	.0063	.0038

Zoom In Zoom Out

Sample Name: FECONF Acquired: 10/22/2025 10:18:36 Type: Unk
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6181.7**	**103090.**	**17099.**	**3012.1**
Stddev	6.3	124.	123.	6.7
%RSD	.10256	.12037	.71896	.22224
#1	6176.2	103130.	17111.	3006.9
#2	6180.4	102950.	16971.	3009.6
#3	6188.6	103200.	17216.	3019.6

Zoom In Zoom Out

Sample Name: MGCONF Acquired: 10/22/2025 10:23:37 Type: Unk
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0013**	**.0240**	**-.0005**	**.0040**	**.0000**	**-.0005**	**-.0016**	**.0177**	**-.0001**
Stddev	.0002	.0040	.0010	.0007	.0001	.0000	.0012	.0036	.0001
%RSD	18.25	16.60	196.3	16.98	232.2	8.759	73.81	20.62	183.8
#1	.0012	.0202	-.0004	.0034	.0001	-.0004	-.0023	.0142	-.0002
#2	.0016	.0281	-.0016	.0047	.0000	-.0005	-.0024	.0173	.0001
#3	.0011	.0238	.0004	.0039	-.0000	-.0005	-.0002	.0215	-.0001

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0013**	**.0002**	**.0000**	**.0007**	**.0209**	**.0479**	**-.0000**	F **519.0**	**-.0013**
Stddev	.0006	.0001	.0002	.0002	.0029	.0166	.0010	3.2	.0001
%RSD	43.30	37.54	3069.	25.80	14.05	34.64	2560.	.6132	4.774
#1	.0011	.0002	.0002	.0009	.0177	.0291	-.0003	521.2	-.0013
#2	.0009	.0002	-.0002	.0006	.0214	.0540	.0011	515.4	-.0013
#3	.0020	.0001	-.0001	.0006	.0235	.0606	-.0009	520.5	-.0012

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0146**	**-.0000**	**-.0004**	**.0007**	**-.0011**	**.0001**	**-.0007**	**.0133**
Stddev	.0001	.0031	.0003	.0012	.0012	.0030	.0011	.0014	.0006
%RSD	38.99	21.04	5893.	330.8	182.6	275.9	1256.	199.1	4.205
#1	.0002	.0131	-.0002	.0009	.0015	.0017	-.0004	-.0007	.0129
#2	.0001	.0126	.0003	-.0014	-.0007	-.0043	.0014	-.0022	.0131
#3	.0002	.0182	-.0001	-.0006	.0012	-.0007	-.0007	.0007	.0140

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007**	**.0001**	**-.0003**	**-.0014**	**.0001**	**-.0050**	**.0064**	**.0002**
Stddev	.0016	.0000	.0002	.0006	.0002	.0004	.0002	.0001
%RSD	221.1	77.75	62.29	39.31	296.1	8.723	3.779	26.01
#1	-.0004	.0000	-.0001	-.0020	-.0001	-.0045	.0062	.0002
#2	.0026	.0001	-.0004	-.0015	.0002	-.0054	.0064	.0003
#3	.0001	.0001	-.0005	-.0008	.0001	-.0052	.0067	.0003

Zoom In Zoom Out

Sample Name: MGCONF Acquired: 10/22/2025 10:23:37 Type: Unk
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5881.8**	**101960.**	**16689.**	**2929.5**
Stddev	8.4	136.	175.	1.7
%RSD	.14231	.13328	1.0497	.05695
#1	5890.5	101810.	16601.	2930.9
#2	5880.9	102060.	16891.	2927.6
#3	5873.9	102020.	16576.	2929.9

Zoom In Zoom Out

Sample Name: ALCONF Acquired: 10/22/2025 10:28:33 Type: Unk
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0005**	F **439.9**	**.0005**	**.0011**	**.0011**	**.0001**	**-.0033**	**.0101**	**.0002**
Stddev	.0003	3.6	.0027	.0008	.0001	.0000	.0008	.0012	.0001
%RSD	53.50	.8283	552.4	75.61	12.14	20.19	24.94	12.01	69.80
#1	-.0002	436.0	.0032	.0003	.0012	.0001	-.0040	.0091	.0000
#2	-.0007	443.3	-.0022	.0020	.0011	.0001	-.0024	.0115	.0003
#3	-.0007	440.3	.0005	.0011	.0009	.0001	-.0035	.0099	.0003

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**-.0004**	**.0001**	**-.0001**	**.1352**	**-.0239**	**.0017**	**.0469**	**-.0004**
Stddev	.0018	.0001	.0001	.0001	.0012	.0161	.0006	.0125	.0000
%RSD	736.0	21.04	173.0	75.02	.9190	67.60	36.51	26.61	5.426
#1	-.0008	-.0003	-.0001	-.0002	.1351	-.0087	.0019	.0610	-.0004
#2	-.0017	-.0004	.0001	-.0000	.1365	-.0221	.0010	.0373	-.0004
#3	.0018	-.0005	.0001	-.0002	.1340	-.0408	.0021	.0423	-.0004

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0009**	**-.0027**	**-.0008**	**-.0005**	**-.0004**	**-.0075**	**-.0027**	**-.0058**	**-.0018**
Stddev	.0001	.0018	.0001	.0015	.0007	.0025	.0009	.0026	.0009
%RSD	10.54	67.03	18.23	286.2	162.0	32.90	34.33	44.16	49.64
#1	.0009	-.0044	-.0008	.0008	-.0004	-.0096	-.0031	-.0037	-.0012
#2	.0010	-.0008	-.0006	-.0022	-.0012	-.0081	-.0033	-.0087	-.0028
#3	.0008	-.0029	-.0009	-.0001	.0002	-.0048	-.0016	-.0051	-.0013

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0001**	**.0001**	**-.0026**	**.0001**	**-.0044**	**-.0005**	**.0001**
Stddev	.0013	.0000	.0002	.0018	.0001	.0011	.0002	.0000
%RSD	454.5	33.89	182.2	69.14	128.1	25.40	38.79	56.26
#1	.0018	.0000	.0003	-.0006	-.0000	-.0041	-.0006	.0001
#2	-.0004	.0001	.0001	-.0042	.0002	-.0035	-.0003	.0000
#3	-.0006	.0001	-.0001	-.0029	.0001	-.0057	-.0007	.0001

Zoom In Zoom Out

Sample Name: ALCONF Acquired: 10/22/2025 10:28:33 Type: Unk
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6052.8**	**104040.**	**18216.**	**3176.5**
Stddev	4.5	218.	121.	2.5
%RSD	.07442	.20946	.66391	.07916
#1	6051.5	103910.	18354.	3173.7
#2	6049.0	103910.	18163.	3178.5
#3	6057.8	104290.	18131.	3177.3

Zoom In Zoom Out

Sample Name: CACONF Acquired: 10/22/2025 10:33:35 Type: Unk
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**.1542**	**-.0025**	**.0031**	**.0026**	**-.0000**	**-.0020**	F **386.5**	**.0019**
Stddev	.0002	.0047	.0016	.0014	.0001	.0000	.0011	3.0	.0002
%RSD	36.85	3.023	65.09	47.05	2.189	130.6	55.21	.7744	9.731
#1	.0007	.1595	-.0043	.0036	.0026	-.0000	-.0008	386.0	.0021
#2	.0007	.1526	-.0013	.0041	.0025	.0000	-.0021	389.7	.0017
#3	.0003	.1506	-.0018	.0014	.0026	-.0000	-.0030	383.8	.0020

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0041**	**-.0004**	**.0005**	**.0005**	**.0548**	**.0558**	**-.0048**	**.0419**	**-.0037**
Stddev	.0013	.0000	.0002	.0003	.0008	.0210	.0001	.0103	.0000
%RSD	32.36	10.15	34.87	54.98	1.395	37.56	2.729	24.65	.6104
#1	.0027	-.0004	.0005	.0004	.0542	.0394	-.0048	.0362	-.0037
#2	.0053	-.0003	.0003	.0008	.0545	.0487	-.0047	.0539	-.0038
#3	.0042	-.0004	.0007	.0003	.0557	.0795	-.0050	.0357	-.0037

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0424**	**.0003**	**-.0091**	**-.0003**	**.0045**	**-.0029**	**-.0012**	**.0350**
Stddev	.0003	.0013	.0002	.0005	.0008	.0015	.0007	.0018	.0010
%RSD	256.8	2.951	71.22	5.351	325.0	32.17	24.94	160.0	2.992
#1	.0005	.0434	.0003	-.0085	.0000	.0053	-.0024	.0005	.0360
#2	-.0002	.0410	.0005	-.0093	-.0012	.0054	-.0025	-.0032	.0339
#3	.0002	.0427	.0001	-.0094	.0004	.0028	-.0037	-.0007	.0351

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0036**	**.0011**	**-.0007**	**-.0014**	**.0002**	**-.0046**	**-.0016**	**.0001**
Stddev	.0004	.0000	.0001	.0011	.0003	.0002	.0001	.0001
%RSD	12.00	2.091	18.23	76.82	112.4	5.061	3.706	201.4
#1	-.0033	.0011	-.0008	-.0007	.0005	-.0047	-.0016	.0001
#2	-.0041	.0011	-.0007	-.0008	.0001	-.0043	-.0016	.0002
#3	-.0035	.0011	-.0006	-.0026	.0001	-.0047	-.0015	-.0001

Zoom In Zoom Out

Sample Name: CACONF Acquired: 10/22/2025 10:33:35 Type: Unk
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5816.1**	**102250.**	**16735.**	**2895.2**
Stddev	7.5	407.	77.	.8
%RSD	.12824	.39812	.45824	.02620
#1	5822.1	102720.	16789.	2895.0
#2	5818.4	102000.	16647.	2896.1
#3	5807.7	102020.	16769.	2894.6

Zoom In Zoom Out

Sample Name: VCONF Acquired: 10/22/2025 10:38:39 Type: Unk
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0277**	**.0016**	**.0019**	**-.0000**	**.0001**	**-.0012**	**.2206**	**-.0000**
Stddev	.0004	.0025	.0008	.0002	.0002	.0001	.0015	.0100	.0002
%RSD	284.6	9.031	48.55	10.50	416.3	53.99	129.3	4.529	916.4
#1	-.0003	.0263	.0009	.0017	.0001	.0001	.0006	.2108	.0001
#2	.0005	.0262	.0024	.0018	.0000	.0002	-.0019	.2308	.0001
#3	.0003	.0305	.0015	.0021	-.0002	.0001	-.0022	.2203	-.0002

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0038**	**.0001**	**.0016**	**.0004**	**.0048**	**.0255**	**.0002**	**.0260**	**-.0001**
Stddev	.0006	.0002	.0001	.0002	.0008	.0121	.0015	.0165	.0000
%RSD	15.79	164.9	8.143	39.66	16.78	47.57	725.1	63.34	38.33
#1	.0036	.0001	.0014	.0006	.0057	.0237	-.0003	.0217	-.0001
#2	.0045	.0003	.0016	.0003	.0045	.0385	-.0010	.0443	-.0001
#3	.0033	-.0001	.0017	.0003	.0041	.0144	.0019	.0122	-.0001

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0005**	**.0387**	**-.0002**	**-.0094**	**-.0022**	**-.0008**	**-.0001**	**.0015**	**-.0562**
Stddev	.0002	.0058	.0001	.0001	.0005	.0028	.0007	.0004	.0014
%RSD	40.87	15.02	37.68	1.536	23.88	330.7	593.7	27.83	2.499
#1	-.0007	.0443	-.0002	-.0094	-.0028	-.0002	.0006	.0020	-.0571
#2	-.0004	.0327	-.0003	-.0095	-.0020	-.0039	-.0007	.0014	-.0569
#3	-.0003	.0392	-.0001	-.0092	-.0018	.0016	-.0002	.0012	-.0546

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**-.0000**	**-.0000**	**-.0021**	F **9.761**	**-.0031**	**-.0020**	**-.0071**
Stddev	.0008	.0001	.0001	.0009	.026	.0010	.0002	.0000
%RSD	365.3	177.6	227.6	41.27	.2669	32.10	8.066	.2128
#1	-.0011	-.0001	-.0000	-.0016	9.732	-.0043	-.0018	-.0071
#2	.0005	-.0000	-.0001	-.0031	9.781	-.0023	-.0021	-.0071
#3	-.0001	.0000	.0000	-.0017	9.771	-.0029	-.0020	-.0071

Zoom In Zoom Out

Sample Name: VCONF Acquired: 10/22/2025 10:38:39 Type: Unk
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5977.5**	**102240.**	**16880.**	**3016.2**
Stddev	19.9	471.	158.	11.0
%RSD	.33303	.46051	.93833	.36423
#1	5960.6	101690.	16826.	3005.2
#2	5972.4	102550.	16755.	3016.1
#3	5999.4	102470.	17058.	3027.2

Zoom In Zoom Out

Sample Name: CCV Acquired: 10/22/2025 10:43:43 Type: QC
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2375**	**37.82**	**1.914**	**1.935**	**1.923**	**1.961**	**1.884**	**38.95**	**1.976**
Stddev	.0005	.12	.004	.004	.010	.006	.003	.11	.001
%RSD	.2217	.3234	.2191	.2029	.5110	.3208	.1589	.2845	.0331
#1	.2369	37.94	1.911	1.931	1.929	1.969	1.883	39.06	1.975
#2	.2376	37.81	1.912	1.938	1.928	1.958	1.882	38.84	1.977
#3	.2379	37.70	1.918	1.937	1.912	1.957	1.888	38.95	1.976
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.917**	**1.983**	**1.956**	**1.868**	**38.72**	**37.57**	**1.908**	**38.87**	**1.995**
Stddev	.005	.001	.003	.001	.06	.09	.011	.18	.002
%RSD	.2671	.0553	.1399	.0758	.1493	.2306	.5770	.4679	.1185
#1	1.920	1.983	1.958	1.867	38.78	37.67	1.915	39.04	1.997
#2	1.920	1.984	1.953	1.869	38.67	37.52	1.913	38.68	1.995
#3	1.911	1.982	1.957	1.867	38.72	37.53	1.895	38.88	1.992
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.945**	**37.89**	**1.989**	**1.976**	**1.974**	**1.965**	**1.927**	**1.962**	**4.830**
Stddev	.001	.09	.001	.006	.005	.005	.004	.004	.009
%RSD	.0530	.2417	.0385	.3096	.2324	.2404	.1858	.2236	.1768
#1	1.944	37.98	1.989	1.981	1.979	1.960	1.923	1.957	4.821
#2	1.944	37.88	1.988	1.969	1.974	1.964	1.929	1.963	4.831
#3	1.946	37.80	1.990	1.978	1.970	1.970	1.930	1.965	4.838
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: CCV Acquired: 10/22/2025 10:43:43 Type: QC
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.955**	**1.945**	**1.926**	**1.961**	**1.941**	**1.932**	**2.004**	**1.935**
Stddev	.002	.009	.001	.003	.002	.005	.006	.003
%RSD	.0904	.4775	.0362	.1648	.0886	.2526	.2809	.1476
#1	1.955	1.953	1.926	1.958	1.942	1.930	2.010	1.936
#2	1.956	1.948	1.927	1.961	1.941	1.938	2.001	1.937
#3	1.953	1.935	1.925	1.964	1.939	1.928	2.000	1.932
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5971.4**	**102310.**	**16974.**	**2972.1**
Stddev	3.6	99.	106.	3.1
%RSD	.05970	.09655	.62295	.10420
#1	5975.6	102220.	16958.	2975.7
#2	5969.5	102410.	17087.	2970.1
#3	5969.3	102310.	16877.	2970.6

Zoom In Zoom Out

Sample Name: CCB Acquired: 10/22/2025 10:48:15 Type: QC
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0169**	**.0010**	**.0041**	**.0005**	**.0007**	**-.0011**	**.0255**	**.0006**
Stddev	.0001	.0110	.0006	.0006	.0003	.0003	.0007	.0100	.0001
%RSD	77.96	64.99	60.56	14.27	65.07	39.52	65.35	39.04	20.97
#1	-.0002	.0069	.0008	.0047	.0001	.0004	-.0004	.0141	.0004
#2	-.0000	.0286	.0005	.0038	.0008	.0009	-.0010	.0324	.0006
#3	-.0002	.0151	.0018	.0037	.0007	.0009	-.0018	.0302	.0007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0004**	**.0003**	**.0006**	**.0152**	**.0469**	**-.0004**	**.0298**	**.0006**
Stddev	.0013	.0002	.0001	.0002	.0063	.0102	.0015	.0059	.0000
%RSD	372.6	41.57	30.17	36.00	41.18	21.83	348.0	19.97	4.608
#1	.0004	.0002	.0003	.0008	.0082	.0582	.0004	.0365	.0006
#2	-.0010	.0004	.0004	.0004	.0202	.0439	.0004	.0251	.0006
#3	.0017	.0006	.0002	.0007	.0173	.0384	-.0021	.0278	.0005
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0152**	**.0006**	**-.0014**	**.0002**	**-.0008**	**.0008**	**.0004**	**.0031**
Stddev	.0001	.0073	.0003	.0012	.0006	.0021	.0009	.0005	.0002
%RSD	36.51	47.68	57.58	80.83	266.8	268.8	119.3	122.8	5.553
#1	.0004	.0081	.0010	-.0012	-.0001	.0006	.0008	.0009	.0032
#2	.0002	.0226	.0004	-.0027	-.0001	.0002	.0016	.0002	.0031
#3	.0003	.0149	.0004	-.0004	.0009	-.0032	-.0002	.0000	.0029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: CCB Acquired: 10/22/2025 10:48:15 Type: QC
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0007**	**.0005**	**-.0018**	**.0009**	**-.0034**	**-.0001**	**.0005**
Stddev	.0002	.0004	.0003	.0014	.0001	.0007	.0002	.0001
%RSD	94.50	52.60	51.00	77.80	13.44	21.60	162.5	25.84
#1	.0004	.0003	.0008	-.0006	.0011	-.0030	-.0003	.0006
#2	-.0000	.0009	.0004	-.0015	.0009	-.0043	.0001	.0004
#3	.0003	.0009	.0004	-.0034	.0008	-.0030	-.0001	.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6006.7**	**102960.**	**16979.**	**3029.8**
Stddev	7.5	83.	172.	1.1
%RSD	.12523	.08100	1.0102	.03767
#1	6002.1	102870.	16856.	3028.5
#2	6002.7	103000.	16906.	3030.5
#3	6015.4	103020.	17175.	3030.4

Zoom In Zoom Out

Sample Name: JE20759-1 1 Acquired: 10/22/2025 10:53:11 Type: Unk
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: MP58039/Y-EPA

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007**	**.0867**	**.0044**	**.3724**	**.0289**	**.0002**	**.0021**	**143.3**	**-.0008**
Stddev	.0002	.0050	.0008	.0017	.0003	.0001	.0005	.7	.0001
%RSD	32.48	5.777	18.00	.4434	1.019	61.56	24.21	.4604	6.349
#1	.0009	.0837	.0037	.3732	.0292	.0002	.0026	143.4	-.0009
#2	.0008	.0840	.0052	.3705	.0287	.0002	.0016	142.5	-.0009
#3	.0004	.0925	.0041	.3735	.0287	.0001	.0022	143.8	-.0008

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0013**	**.0002**	**.0010**	**.0015**	**1.981**	**22.18**	**.1198**	**35.50**	**.9838**
Stddev	.0002	.0003	.0003	.0003	.006	.04	.0005	.22	.0036
%RSD	17.31	109.0	27.16	16.93	.3029	.1682	.3922	.6177	.3709
#1	.0016	.0001	.0013	.0018	1.980	22.14	.1203	35.59	.9805
#2	.0011	.0005	.0008	.0014	1.975	22.18	.1194	35.25	.9877
#3	.0013	.0000	.0009	.0014	1.987	22.21	.1197	35.65	.9831

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**118.5**	**.0001**	**.0261**	**-.0001**	**16.10**	**-.0038**	**.0010**	**10.09**
Stddev	.0000	.1	.0007	.0011	.0010	.02	.0011	.0017	.02
%RSD	16.15	.0553	597.8	4.385	1191.	.1018	27.69	170.4	.1916
#1	-.0002	118.6	.0006	.0250	.0006	16.10	-.0028	-.0003	10.09
#2	-.0002	118.5	-.0006	.0259	.0003	16.08	-.0038	.0003	10.07
#3	-.0003	118.5	.0003	.0273	-.0012	16.11	-.0049	.0030	10.11

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0043**	**.9346**	**-.0011**	**.0028**	**.0008**	**-.0065**	**.0019**	**-.0001**
Stddev	.0006	.0011	.0002	.0015	.0001	.0012	.0001	.0001
%RSD	15.09	.1181	15.97	54.19	12.64	19.12	6.889	56.27
#1	-.0041	.9358	-.0009	.0018	.0007	-.0068	.0020	-.0000
#2	-.0037	.9337	-.0011	.0021	.0009	-.0075	.0019	-.0001
#3	-.0050	.9342	-.0013	.0046	.0008	-.0051	.0018	-.0001

Zoom In Zoom Out

Sample Name: JE20759-1 1 Acquired: 10/22/2025 10:53:11 Type: Unk
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: MP58039/Y-EPA

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5692.6**	**100030.**	**16607.**	**2837.2**
Stddev	6.3	68.	107.	4.1
%RSD	.11009	.06826	.64715	.14313
#1	5693.2	100080.	16639.	2841.0
#2	5686.0	99950.	16695.	2837.6
#3	5698.5	100050.	16487.	2833.0

Zoom In Zoom Out

Sample Name: CCV 7 Acquired: 10/22/2025 10:58:00 Type: QC
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2375**	**37.83**	**1.904**	**1.934**	**1.920**	**1.959**	**1.888**	**38.81**	**1.976**
Stddev	.0001	.08	.008	.002	.006	.008	.001	.15	.002
%RSD	.0423	.2045	.4420	.0887	.3218	.4282	.0568	.3955	.1163
#1	.2374	37.92	1.897	1.935	1.927	1.969	1.889	38.94	1.979
#2	.2375	37.80	1.902	1.932	1.915	1.956	1.888	38.84	1.975
#3	.2376	37.78	1.914	1.936	1.918	1.953	1.887	38.64	1.975
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.921**	**1.987**	**1.955**	**1.870**	**38.73**	**37.71**	**1.904**	**38.70**	**1.988**
Stddev	.002	.003	.006	.004	.05	.04	.007	.16	.006
%RSD	.1010	.1664	.3157	.2296	.1268	.0955	.3505	.4058	.2940
#1	1.919	1.990	1.955	1.867	38.77	37.74	1.912	38.72	1.988
#2	1.923	1.987	1.949	1.874	38.76	37.67	1.903	38.85	1.982
#3	1.922	1.983	1.962	1.867	38.68	37.71	1.899	38.54	1.993
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.950**	**37.93**	**1.988**	**1.974**	**1.974**	**1.964**	**1.934**	**1.954**	**4.832**
Stddev	.001	.07	.002	.003	.002	.003	.003	.001	.005
%RSD	.0646	.1924	.1091	.1482	.1002	.1661	.1498	.0294	.1034
#1	1.951	38.01	1.991	1.976	1.976	1.963	1.936	1.954	4.835
#2	1.949	37.87	1.988	1.975	1.973	1.968	1.931	1.954	4.834
#3	1.949	37.92	1.986	1.971	1.973	1.962	1.934	1.953	4.826
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: CCV 7 Acquired: 10/22/2025 10:58:00 Type: QC
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.956**	**1.948**	**1.931**	**1.955**	**1.939**	**1.937**	**2.001**	**1.935**
Stddev	.004	.008	.002	.004	.005	.003	.004	.002
%RSD	.1884	.4195	.1226	.2246	.2347	.1644	.1775	.1223
#1	1.958	1.957	1.929	1.952	1.937	1.939	2.002	1.934
#2	1.952	1.944	1.931	1.960	1.936	1.933	1.997	1.934
#3	1.959	1.942	1.934	1.953	1.944	1.938	2.004	1.938
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5977.3**	**102580.**	**17130.**	**2971.5**
Stddev	16.3	61.	94.	6.2
%RSD	.27336	.05962	.54772	.20893
#1	5958.6	102600.	17106.	2964.6
#2	5984.6	102520.	17051.	2976.5
#3	5988.7	102640.	17234.	2973.5

Zoom In Zoom Out

Sample Name: CCB Acquired: 10/22/2025 11:02:33 Type: QC
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0018**	**.0000**	**.0045**	**-.0000**	**.0001**	**-.0004**	**.0028**	**.0005**
Stddev	.0003	.0039	.0020	.0004	.0002	.0001	.0006	.0017	.0001
%RSD	103.3	214.4	11450.	9.218	1233.	44.77	165.2	60.94	18.74
#1	.0005	.0038	-.0002	.0044	-.0002	.0001	-.0011	.0018	.0005
#2	.0004	.0044	.0021	.0050	-.0000	.0001	.0001	.0018	.0005
#3	-.0000	-.0027	-.0018	.0042	.0002	.0002	-.0001	.0047	.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0015**	**.0005**	**.0002**	**.0006**	**.0018**	**.0194**	**.0012**	**.0095**	**.0003**
Stddev	.0013	.0001	.0002	.0001	.0013	.0164	.0006	.0113	.0001
%RSD	85.66	25.90	81.79	13.20	69.94	84.30	46.75	119.0	17.77
#1	-.0009	.0004	.0002	.0006	.0004	.0009	.0010	.0161	.0003
#2	-.0006	.0006	.0004	.0005	.0030	.0253	.0008	-.0035	.0004
#3	-.0030	.0006	.0000	.0007	.0021	.0320	.0018	.0159	.0003
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**-.0029**	**.0003**	**-.0020**	**.0011**	**.0003**	**.0009**	**.0013**	**.0033**
Stddev	.0003	.0022	.0002	.0010	.0008	.0033	.0000	.0019	.0005
%RSD	58.31	76.46	53.20	49.43	69.70	1321.	2.492	143.7	16.00
#1	.0004	-.0044	.0003	-.0010	.0019	.0037	.0009	.0020	.0029
#2	.0002	-.0039	.0005	-.0030	.0011	.0001	.0010	-.0008	.0031
#3	.0007	-.0004	.0002	-.0021	.0003	-.0030	.0009	.0028	.0039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: CCB Acquired: 10/22/2025 11:02:33 Type: QC
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**.0001**	**.0002**	**-.0007**	**.0004**	**-.0049**	**-.0004**	**.0002**
Stddev	.0010	.0001	.0000	.0015	.0002	.0014	.0001	.0000
%RSD	2367.	92.22	9.565	219.3	56.05	27.95	14.80	21.67
#1	.0000	.0000	.0001	-.0014	.0006	-.0034	-.0005	.0002
#2	-.0010	.0001	.0002	-.0017	.0002	-.0050	-.0003	.0003
#3	.0009	.0002	.0002	.0011	.0006	-.0062	-.0004	.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6012.5**	**104040.**	**17466.**	**3026.7**
Stddev	13.3	284.	165.	11.6
%RSD	.22075	.27259	.94453	.38260
#1	5998.3	103730.	17286.	3019.8
#2	6014.7	104120.	17609.	3020.3
#3	6024.6	104280.	17504.	3040.1

Zoom In Zoom Out

Sample Name: CRI Acquired: 10/22/2025 11:07:29 Type: QC
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0052**	**.2018**	**.0070**	**.1006**	**.1946**	**.0021**	**.0180**	**5.039**	**.0029**
Stddev	.0003	.0037	.0015	.0006	.0004	.0000	.0016	.030	.0000
%RSD	5.905	1.820	20.72	.6134	.1928	.8640	9.035	.5990	.9781
#1	.0055	.2029	.0083	.1008	.1942	.0021	.0197	5.016	.0029
#2	.0052	.1977	.0054	.1011	.1948	.0021	.0177	5.028	.0029
#3	.0049	.2047	.0074	.0999	.1948	.0021	.0165	5.073	.0029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0017**	**.0519**	**.0103**	**.0093**	**.1017**	**4.806**	**.0507**	**5.012**	**.0154**
Stddev	.0007	.0002	.0002	.0001	.0002	.006	.0010	.045	.0001
%RSD	40.02	.4628	2.015	1.237	.2343	.1293	1.938	.9013	.3343
#1	.0021	.0520	.0100	.0092	.1015	4.803	.0509	4.979	.0153
#2	.0020	.0520	.0104	.0094	.1019	4.802	.0515	4.994	.0154
#3	.0009	.0516	.0104	.0094	.1018	4.813	.0496	5.064	.0154
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0200**	**4.784**	**.0104**	**.0506**	**.0031**	**.0482**	**.0060**	**.0116**	**.2059**
Stddev	.0001	.002	.0002	.0018	.0008	.0020	.0002	.0024	.0012
%RSD	.5879	.0435	2.202	3.592	27.03	4.062	4.004	20.32	.5659
#1	.0202	4.784	.0103	.0526	.0034	.0470	.0057	.0095	.2062
#2	.0200	4.787	.0104	.0492	.0037	.0505	.0062	.0111	.2068
#3	.0200	4.783	.0107	.0500	.0022	.0473	.0061	.0141	.2046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: CRI Acquired: 10/22/2025 11:07:29 Type: QC
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0096**	**.0100**	**.0095**	**.0107**	**.0495**	**.0448**	**.0206**	**.0100**
Stddev	.0003	.0001	.0003	.0004	.0001	.0017	.0001	.0001
%RSD	2.910	.5075	3.548	3.768	.2516	3.708	.7022	.5950
#1	.0093	.0101	.0091	.0111	.0494	.0442	.0206	.0100
#2	.0097	.0100	.0096	.0103	.0494	.0435	.0207	.0099
#3	.0097	.0100	.0097	.0108	.0496	.0466	.0204	.0101
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6041.3**	**104760.**	**17256.**	**3027.0**
Stddev	3.9	137.	170.	4.7
%RSD	.06454	.13046	.98575	.15616
#1	6044.7	104740.	17364.	3030.1
#2	6037.0	104900.	17345.	3021.5
#3	6042.1	104630.	17060.	3029.3

Zoom In Zoom Out

Sample Name: CRID Acquired: 10/22/2025 11:12:23 Type: QC
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.0005**	**.1002**	**.0025**	**.0027**	**.0039**	**.0010**	**.0010**	**1.021**
Stddev	.0002	.0025	.0014	.0002	.0000	.0000	.0011	.006
%RSD	34.60	2.531	55.52	8.259	.6754	3.067	109.7	.5727
#1	.0004	.1017	.0038	.0027	.0039	.0010	.0002	1.026
#2	.0003	.1015	.0011	.0029	.0039	.0010	.0023	1.014
#3	.0006	.0972	.0025	.0025	.0039	.0010	.0005	1.023
Check ?	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass
Value	.0020							
Range	-20.00%							

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0011**	**.0007**	**.0031**	**.0021**	F **-.0000**	**-.0008**	**1.983**	**.0013**
Stddev	.0001	.0006	.0001	.0000	.0002	.0003	.007	.0008
%RSD	6.826	86.53	2.116	1.485	431.9	32.23	.3647	57.88
#1	.0011	.0013	.0031	.0021	.0000	-.0006	1.981	.0013
#2	.0010	.0004	.0031	.0021	-.0003	-.0006	1.978	.0006
#3	.0011	.0003	.0032	.0021	.0001	-.0011	1.991	.0021
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	None
Value					.0020			
Range					-20.00%			

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.1218**	**.0030**	**-.0000**	**.9634**	**.0041**	**-.0016**	F **-.0000**	**-.0025**
Stddev	.0106	.0000	.0003	.0053	.0001	.0002	.0005	.0028
%RSD	8.731	1.024	10990.	.5486	1.296	11.60	2664.	113.0
#1	.1112	.0030	.0001	.9584	.0040	-.0014	-.0006	.0002
#2	.1324	.0030	-.0003	.9628	.0041	-.0017	.0003	-.0054
#3	.1218	.0030	.0002	.9689	.0041	-.0017	.0002	-.0023
Check ?	Chk Fail	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Fail	None
Value	.1000						.0025	
Range	20.00%						-20.00%	

Zoom In Zoom Out

Sample Name: CRID Acquired: 10/22/2025 11:12:23 Type: QC
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.0002**	**.0050**	**-.0018**	**-.0005**	**-.0000**	**-.0004**	F **.0008**	**.0021**
Stddev	.0004	.0009	.0004	.0004	.0001	.0001	.0023	.0001
%RSD	217.3	17.52	23.28	68.33	415.2	20.03	284.2	2.783
#1	.0003	.0059	-.0021	-.0001	-.0001	-.0003	-.0018	.0021
#2	-.0003	.0041	-.0013	-.0008	.0000	-.0003	.0021	.0020
#3	.0006	.0050	-.0019	-.0007	-.0000	-.0004	.0021	.0020
Check ?	Chk Fail	Chk Pass	None	None	None	None	Chk Fail	Chk Pass
Value	.0030						.0020	
Range	-20.00%						-20.00%	

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.0049**	**.0109**	**-.0001**
Stddev	.0005	.0001	.0000
%RSD	9.271	.8933	58.73
#1	-.0048	.0109	-.0001
#2	-.0055	.0107	-.0000
#3	-.0046	.0109	-.0001
Check ?	None	Chk Pass	None
Value			
Range			

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6035.7**	**105740.**	**17563.**	**3037.2**
Stddev	14.8	332.	149.	11.6
%RSD	.24524	.31400	.84980	.38147
#1	6052.7	106120.	17398.	3050.1
#2	6025.7	105540.	17689.	3027.6
#3	6028.7	105560.	17601.	3034.0

Zoom In Zoom Out

Sample Name: ICSA Acquired: 10/22/2025 11:17:18 Type: QC
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0009**	**490.6**	**.0010**	**.0007**	**.0018**	**-.0006**	**-.0064**	**364.8**	**-.0013**
Stddev	.0003	11.2	.0029	.0002	.0002	.0001	.0020	8.1	.0000
%RSD	32.05	2.275	290.8	28.95	9.245	10.73	31.07	2.232	1.528
#1	.0011	491.8	.0034	.0005	.0020	-.0006	-.0078	373.9	-.0013
#2	.0011	501.2	-.0022	.0009	.0016	-.0006	-.0073	362.5	-.0013
#3	.0006	478.9	.0017	.0007	.0019	-.0005	-.0041	358.1	-.0013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0196**	**.0004**	**-.0004**	**.0015**	**181.1**	**-.1051**	**-.0027**	**496.1**	**-.0057**
Stddev	.0012	.0003	.0002	.0003	1.6	.0126	.0006	4.3	.0001
%RSD	6.007	70.78	47.67	21.58	.8819	11.98	24.24	.8567	2.426
#1	.0191	.0006	-.0006	.0012	182.4	-.1196	-.0019	500.2	-.0059
#2	.0210	.0001	-.0002	.0018	181.6	-.0969	-.0032	496.3	-.0057
#3	.0189	.0006	-.0004	.0014	179.3	-.0988	-.0028	491.7	-.0056
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0014**	**.0441**	**-.0016**	**-.0200**	**.0022**	**-.0245**	**-.0018**	**-.0021**	**-.0082**
Stddev	.0005	.0007	.0004	.0008	.0020	.0064	.0007	.0038	.0019
%RSD	38.43	1.478	25.07	4.205	93.72	26.07	36.86	181.9	23.36
#1	.0017	.0448	-.0019	-.0204	-.0001	-.0171	-.0023	-.0002	-.0086
#2	.0017	.0441	-.0018	-.0191	.0037	-.0288	-.0021	.0004	-.0099
#3	.0008	.0435	-.0012	-.0206	.0030	-.0274	-.0011	-.0065	-.0061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ICSA Acquired: 10/22/2025 11:17:18 Type: QC
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0025**	**.0011**	**-.0013**	**-.0001**	**-.0002**	**-.0064**	**.0038**	**.0021**
Stddev	.0000	.0000	.0004	.0014	.0002	.0020	.0003	.0001
%RSD	.1182	3.753	28.41	1306.	128.8	31.83	6.589	5.625
#1	-.0025	.0011	-.0017	-.0012	.0001	-.0075	.0041	.0021
#2	-.0025	.0011	-.0012	.0015	-.0002	-.0040	.0038	.0022
#3	-.0025	.0011	-.0010	-.0006	-.0003	-.0076	.0036	.0019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5700.2**	**101720.**	**17176.**	**2851.7**
Stddev	5.3	224.	247.	3.2
%RSD	.09372	.22032	1.4366	.11147
#1	5705.2	101580.	16932.	2853.2
#2	5694.6	101610.	17172.	2848.0
#3	5700.9	101980.	17425.	2853.7

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 10/22/2025 11:22:28 Type: QC
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.087**	**481.8**	**.9256**	**.5153**	**.4746**	**.4772**	**.4971**	**366.1**	**1.067**
Stddev	.001	5.4	.0024	.0012	.0005	.0004	.0039	2.7	.001
%RSD	.0660	1.111	.2624	.2322	.1129	.0792	.7900	.7253	.0670
#1	1.088	488.0	.9239	.5147	.4742	.4777	.4978	367.2	1.066
#2	1.087	478.2	.9245	.5145	.4752	.4770	.5007	368.0	1.067
#3	1.087	479.3	.9284	.5166	.4744	.4770	.4929	363.0	1.066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5126**	**.5144**	**.4580**	**.5238**	**180.6**	**-.0880**	**.5234**	**496.9**	**.4820**
Stddev	.0011	.0010	.0008	.0012	4.0	.0188	.0016	1.6	.0007
%RSD	.2049	.1920	.1655	.2296	2.211	21.31	.3097	.3302	.1436
#1	.5138	.5155	.4584	.5226	182.9	-.0757	.5215	498.2	.4818
#2	.5118	.5142	.4572	.5250	183.0	-.1096	.5244	497.5	.4815
#3	.5123	.5136	.4585	.5237	176.0	-.0788	.5242	495.1	.4828
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4933**	**.0471**	**.9988**	**.5092**	**.9712**	**.4831**	**1.015**	**.9955**	**.4254**
Stddev	.0006	.0054	.0012	.0007	.0054	.0045	.002	.0014	.0029
%RSD	.1249	11.47	.1195	.1388	.5607	.9377	.2184	.1403	.6901
#1	.4939	.0530	.9994	.5098	.9768	.4842	1.017	.9963	.4271
#2	.4934	.0423	.9996	.5084	.9659	.4782	1.014	.9939	.4270
#3	.4927	.0461	.9975	.5094	.9708	.4870	1.013	.9964	.4220
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 10/22/2025 11:22:28 Type: QC
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4766**	**.4777**	**.4757**	**.9660**	**.4836**	**.4789**	**.9461**	**.4634**
Stddev	.0021	.0007	.0005	.0021	.0013	.0046	.0027	.0008
%RSD	.4434	.1495	.1111	.2136	.2676	.9611	.2853	.1670
#1	.4785	.4771	.4758	.9640	.4836	.4766	.9488	.4628
#2	.4770	.4776	.4752	.9681	.4823	.4842	.9434	.4632
#3	.4743	.4785	.4762	.9657	.4849	.4760	.9463	.4643
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5701.0**	**102250.**	**17353.**	**2845.7**
Stddev	5.9	124.	133.	4.1
%RSD	.10300	.12114	.76796	.14420
#1	5701.2	102200.	17296.	2848.8
#2	5695.0	102390.	17257.	2841.1
#3	5706.8	102150.	17505.	2847.3

Zoom In Zoom Out

Sample Name: CCV Acquired: 10/22/2025 11:27:24 Type: QC
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2363**	**37.45**	**1.872**	**1.931**	**1.858**	**1.904**	**1.883**	**38.31**	**1.969**
Stddev	.0005	.12	.004	.002	.001	.006	.001	.31	.001
%RSD	.1936	.3257	.2278	.1004	.0433	.3012	.0561	.8052	.0651
#1	.2359	37.58	1.875	1.929	1.857	1.911	1.883	38.66	1.970
#2	.2368	37.42	1.874	1.933	1.858	1.901	1.882	38.18	1.969
#3	.2363	37.34	1.867	1.930	1.858	1.900	1.884	38.09	1.967
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.882**	**1.992**	**1.944**	**1.824**	**38.78**	**37.57**	**1.832**	**38.38**	**1.944**
Stddev	.008	.005	.008	.006	.16	.01	.003	.36	.009
%RSD	.4284	.2335	.3950	.3159	.4137	.0372	.1654	.9391	.4758
#1	1.872	1.997	1.936	1.818	38.95	37.58	1.828	38.79	1.934
#2	1.886	1.988	1.945	1.828	38.74	37.58	1.833	38.19	1.945
#3	1.887	1.991	1.951	1.827	38.64	37.55	1.834	38.15	1.952
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.941**	**37.47**	**1.983**	**1.978**	**1.968**	**1.968**	**1.929**	**1.956**	**4.805**
Stddev	.001	.01	.004	.006	.005	.003	.002	.007	.010
%RSD	.0608	.0233	.1945	.3040	.2573	.1276	.0935	.3396	.2008
#1	1.943	37.46	1.987	1.982	1.973	1.970	1.927	1.963	4.801
#2	1.941	37.47	1.980	1.981	1.967	1.967	1.931	1.957	4.816
#3	1.940	37.47	1.982	1.971	1.963	1.966	1.928	1.949	4.798
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: CCV Acquired: 10/22/2025 11:27:24 Type: QC
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.954**	**1.886**	**1.923**	**1.946**	**1.920**	**1.926**	**2.000**	**1.898**
Stddev	.003	.001	.004	.003	.007	.001	.005	.007
%RSD	.1266	.0262	.2028	.1494	.3692	.0386	.2544	.3553
#1	1.955	1.886	1.919	1.947	1.912	1.927	2.006	1.891
#2	1.956	1.885	1.924	1.943	1.923	1.925	1.997	1.901
#3	1.952	1.886	1.927	1.948	1.926	1.926	1.997	1.903
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6029.2**	**105110.**	**17313.**	**3002.1**
Stddev	5.4	358.	178.	3.7
%RSD	.08993	.34049	1.0287	.12293
#1	6023.4	105520.	17109.	3004.3
#2	6030.3	104990.	17388.	2997.9
#3	6034.0	104830.	17440.	3004.2

Zoom In Zoom Out

Sample Name: CCB Acquired: 10/22/2025 11:31:57 Type: QC
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**.0313**	**.0009**	**.0036**	**.0002**	**.0003**	**.0012**	**.0311**	**.0006**
Stddev	.0002	.0210	.0010	.0006	.0001	.0002	.0005	.0217	.0003
%RSD	26.41	67.06	111.2	17.75	62.01	59.69	42.16	69.85	52.58
#1	.0005	.0091	-.0002	.0043	.0001	.0002	.0017	.0116	.0007
#2	.0005	.0339	.0011	.0032	.0002	.0003	.0007	.0272	.0009
#3	.0008	.0508	.0018	.0033	.0003	.0006	.0011	.0545	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0031**	**.0003**	**.0007**	**.0005**	**.0196**	**.0463**	**.0005**	**.0551**	**.0007**
Stddev	.0007	.0002	.0003	.0000	.0111	.0016	.0003	.0227	.0002
%RSD	21.65	58.55	47.59	7.957	56.42	3.446	65.38	41.31	21.58
#1	.0039	.0005	.0008	.0005	.0105	.0478	.0001	.0429	.0007
#2	.0026	.0003	.0010	.0004	.0165	.0446	.0007	.0410	.0008
#3	.0028	.0002	.0004	.0005	.0320	.0466	.0006	.0813	.0005
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**-.0003**	**.0005**	**-.0025**	**.0004**	**-.0014**	**.0003**	**.0024**	**.0017**
Stddev	.0002	.0028	.0002	.0009	.0012	.0014	.0004	.0021	.0013
%RSD	39.45	852.3	32.24	37.12	322.3	103.5	159.0	86.41	75.21
#1	.0004	-.0004	.0006	-.0029	.0008	-.0016	.0001	.0048	.0029
#2	.0007	-.0031	.0006	-.0014	.0013	.0001	.0008	.0013	.0003
#3	.0004	.0025	.0003	-.0032	-.0010	-.0027	-.0001	.0011	.0019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: CCB Acquired: 10/22/2025 11:31:57 Type: QC
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0014**	**.0003**	**.0005**	**-.0012**	**.0006**	**-.0050**	**-.0003**	**.0006**
Stddev	.0010	.0002	.0001	.0027	.0001	.0004	.0003	.0000
%RSD	67.25	73.60	23.20	223.7	18.54	8.668	86.22	2.176
#1	.0024	.0001	.0005	-.0033	.0006	-.0046	-.0000	.0006
#2	.0005	.0003	.0004	.0018	.0007	-.0055	-.0004	.0006
#3	.0014	.0006	.0006	-.0021	.0005	-.0050	-.0005	.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6022.4**	**105940.**	**17574.**	**3032.3**
Stddev	5.1	178.	104.	5.9
%RSD	.08503	.16811	.59063	.19382
#1	6025.9	106150.	17595.	3034.8
#2	6024.8	105840.	17461.	3036.5
#3	6016.5	105830.	17666.	3025.6

Zoom In Zoom Out

Sample Name: MP58085-MB1 Acquired: 10/22/2025 11:36:53 Type: Unk
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: AS

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**-.0008**	**-.0011**	**.4538**	**-.0004**	**-.0001**	**-.0024**	**.0165**	**-.0000**
Stddev	.0001	.0005	.0005	.0016	.0001	.0000	.0004	.0015	.0000
%RSD	124.5	66.49	41.66	.3488	21.26	24.45	18.47	8.918	19.37
#1	-.0002	-.0002	-.0008	.4542	-.0004	-.0001	-.0025	.0173	-.0000
#2	-.0000	-.0011	-.0009	.4521	-.0005	-.0001	-.0027	.0173	-.0000
#3	-.0000	-.0010	-.0016	.4552	-.0004	-.0002	-.0019	.0148	-.0000

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0015**	**-.0000**	**-.0001**	**-.0001**	**.0093**	**.0435**	**.0006**	**.0226**	**.0000**
Stddev	.0008	.0001	.0001	.0003	.0006	.0223	.0009	.0051	.0000
%RSD	52.90	544.2	187.9	206.8	6.904	51.17	147.1	22.53	58.00
#1	-.0008	-.0001	-.0000	.0001	.0100	.0314	.0014	.0274	.0001
#2	-.0024	.0001	-.0001	-.0004	.0087	.0692	.0008	.0172	.0000
#3	-.0013	.0000	.0000	-.0001	.0092	.0299	-.0004	.0233	.0000

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0295**	**.0004**	**.0020**	**-.0010**	**.0106**	**.0002**	**.0004**	**6.754**
Stddev	.0001	.0067	.0001	.0007	.0009	.0011	.0016	.0004	.030
%RSD	276.3	22.55	34.11	36.60	96.07	10.34	680.6	88.30	.4406
#1	-.0000	.0356	.0005	.0026	-.0004	.0096	-.0008	.0008	6.756
#2	.0001	.0306	.0004	.0012	-.0020	.0118	-.0006	.0001	6.724
#3	-.0000	.0224	.0002	.0021	-.0004	.0105	.0021	.0004	6.784

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0003**	**-.0002**	**-.0002**	**-.0008**	**-.0001**	**-.0059**	**.0020**	**-.0004**
Stddev	.0003	.0000	.0000	.0019	.0001	.0010	.0001	.0000
%RSD	87.86	3.496	15.41	256.7	116.7	16.72	4.714	10.38
#1	-.0000	-.0002	-.0003	.0013	.0000	-.0057	.0020	-.0004
#2	-.0004	-.0002	-.0002	-.0011	-.0001	-.0069	.0019	-.0003
#3	-.0005	-.0002	-.0002	-.0025	-.0001	-.0050	.0021	-.0004

Zoom In Zoom Out

Sample Name: MP58085-MB1 Acquired: 10/22/2025 11:36:53 Type: Unk
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: AS

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6037.3**	**105870.**	**17789.**	**3040.7**
Stddev	11.0	80.	26.	10.7
%RSD	.18176	.07545	.14828	.35132
#1	6032.2	105830.	17786.	3040.2
#2	6050.0	105960.	17816.	3051.6
#3	6029.9	105810.	17764.	3030.2

Zoom In Zoom Out

Sample Name: MP58085-S1 Acquired: 10/22/2025 11:41:47 Type: Unk
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: PB

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2451**	**22.69**	**1.815**	**2.046**	**1.926**	**1.823**	**-.0076**	**60.10**
Stddev	.0005	.03	.008	.008	.012	.002	.0015	.16
%RSD	.2012	.1170	.4301	.3904	.6331	.1112	20.23	.2690
#1	.2450	22.72	1.812	2.044	1.934	1.823	-.0061	59.96
#2	.2456	22.69	1.824	2.055	1.932	1.824	-.0092	60.07
#3	.2446	22.66	1.809	2.040	1.912	1.820	-.0074	60.28

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.898**	**.0077**	**1.902**	**1.818**	**1.772**	**23.41**	**28.89**	**-.0001**
Stddev	.005	.0021	.003	.004	.003	.04	.06	.0013
%RSD	.2588	27.18	.1629	.2321	.1502	.1835	.1995	2054.
#1	1.896	.0100	1.906	1.823	1.769	23.41	28.96	.0008
#2	1.903	.0062	1.901	1.816	1.774	23.37	28.85	.0005
#3	1.894	.0067	1.900	1.815	1.773	23.46	28.86	-.0015

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**28.55**	**1.885**	**1.886**	F **280.0**	**1.878**	**-.0015**	**1.876**	**6.997**
Stddev	.23	.002	.006	3.7	.002	.0009	.002	.025
%RSD	.7919	.0780	.3058	1.336	.1219	60.31	.0798	.3576
#1	28.40	1.887	1.885	276.7	1.881	-.0017	1.876	6.981
#2	28.44	1.885	1.892	284.0	1.877	-.0005	1.874	7.025
#3	28.81	1.884	1.881	279.2	1.877	-.0023	1.877	6.983

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.894**	**1.873**	**6.403**	**1.888**	**2.003**	**1.854**	W **1.874**	**1.808**
Stddev	.008	.010	.022	.004	.014	.002	.003	.001
%RSD	.4143	.5532	.3434	.2223	.6908	.0785	.1492	.0647
#1	1.888	1.871	6.389	1.890	2.010	1.854	1.872	1.809
#2	1.903	1.884	6.428	1.891	2.012	1.855	1.873	1.808
#3	1.891	1.864	6.392	1.883	1.987	1.852	1.877	1.807

Zoom In Zoom Out

Sample Name: MP58085-S1 Acquired: 10/22/2025 11:41:47 Type: Unk
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: PB

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**1.848**	**1.872**	**1.830**
Stddev	.005	.004	.001
%RSD	.2626	.2349	.0675
#1	1.849	1.877	1.829
#2	1.852	1.870	1.831
#3	1.843	1.868	1.828

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5936.8**	**105740.**	**17557.**	**2965.8**
Stddev	4.7	179.	125.	8.1
%RSD	.07947	.16969	.71027	.27180
#1	5939.6	105710.	17630.	2971.1
#2	5931.3	105580.	17629.	2956.5
#3	5939.5	105930.	17413.	2969.7

Zoom In Zoom Out

Sample Name: MP58085-S2 Acquired: 10/22/2025 11:46:33 Type: Unk
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: PB

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2511**	**23.16**	**1.839**	**2.056**	**1.945**	**1.841**	**-.0078**	**60.69**
Stddev	.0075	.07	.002	.002	.008	.008	.0011	.20
%RSD	3.005	.2836	.0889	.0885	.3981	.4495	14.73	.3319
#1	.2478	23.16	1.839	2.057	1.946	1.843	-.0066	60.78
#2	.2597	23.22	1.841	2.057	1.953	1.848	-.0089	60.83
#3	.2457	23.09	1.837	2.054	1.937	1.832	-.0079	60.46

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.917**	**.0070**	**1.924**	**1.864**	**1.837**	**23.89**	**29.43**	**-.0000**
Stddev	.001	.0026	.004	.050	.057	.01	.02	.0013
%RSD	.0578	36.41	.2121	2.678	3.082	.0560	.0697	3577.
#1	1.918	.0091	1.919	1.843	1.803	23.89	29.44	.0012
#2	1.918	.0078	1.925	1.921	1.903	23.90	29.44	-.0000
#3	1.916	.0042	1.926	1.828	1.806	23.87	29.40	-.0013

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**29.12**	**1.932**	**1.904**	F **282.6**	**1.901**	**-.0020**	**1.896**	**6.995**
Stddev	.05	.054	.001	4.8	.001	.0012	.005	.003
%RSD	.1634	2.773	.0434	1.702	.0356	61.96	.2675	.0435
#1	29.17	1.906	1.903	278.8	1.902	-.0006	1.891	6.998
#2	29.08	1.994	1.905	288.0	1.901	-.0027	1.895	6.993
#3	29.12	1.897	1.903	280.9	1.902	-.0026	1.901	6.993

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.916**	**1.895**	**6.018**	**1.908**	**2.027**	**1.904**	W **1.896**	**1.861**
Stddev	.003	.006	.017	.003	.004	.053	.007	.052
%RSD	.1581	.3438	.2789	.1727	.2086	2.807	.3533	2.813
#1	1.913	1.896	6.031	1.904	2.025	1.879	1.895	1.836
#2	1.919	1.888	6.023	1.911	2.032	1.965	1.903	1.921
#3	1.915	1.901	5.999	1.908	2.024	1.868	1.890	1.826

Zoom In Zoom Out

Sample Name: MP58085-S2 Acquired: 10/22/2025 11:46:33 Type: Unk
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: PB

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**1.868**	**1.887**	**1.884**
Stddev	.004	.004	.055
%RSD	.2180	.1860	2.905
#1	1.869	1.883	1.854
#2	1.872	1.889	1.948
#3	1.864	1.888	1.852

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5950.3**	**104880.**	**17430.**	**2975.8**
Stddev	3.9	2603.	63.	.3
%RSD	.06596	2.4822	.36297	.00847
#1	5954.7	106030.	17367.	2975.8
#2	5948.9	101900.	17430.	2975.5
#3	5947.2	106710.	17494.	2976.0

Zoom In Zoom Out

Sample Name: JE21317-1 Acquired: 10/22/2025 11:51:18 Type: Unk
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: PB

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0238**	**.0009**	**.2022**	**.1545**	**.0001**	**-.0016**	**36.97**	**.0002**
Stddev	.0003	.0028	.0014	.0001	.0005	.0000	.0008	.13	.0002
%RSD	83.56	11.77	158.3	.0707	.3261	13.33	50.90	.3555	85.12
#1	.0006	.0225	-.0005	.2021	.1549	.0001	-.0007	36.96	.0001
#2	.0004	.0219	.0023	.2021	.1539	.0001	-.0016	36.85	.0002
#3	.0000	.0270	.0008	.2023	.1546	.0001	-.0023	37.11	.0004

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0017**	**.0037**	**.0006**	**.0009**	**.0896**	**5.647**	**-.0006**	**5.840**	**.0761**
Stddev	.0019	.0004	.0001	.0004	.0002	.053	.0007	.026	.0002
%RSD	108.9	9.801	23.85	39.46	.2513	.9417	106.5	.4406	.3224
#1	.0027	.0033	.0004	.0013	.0898	5.657	-.0014	5.860	.0762
#2	-.0004	.0037	.0007	.0006	.0896	5.590	-.0004	5.811	.0758
#3	.0029	.0041	.0007	.0008	.0893	5.695	-.0001	5.849	.0762

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0012**	F **257.1**	**.0014**	**.0011**	**-.0009**	**6.964**	**-.0009**	**.0011**	**6.459**
Stddev	.0005	3.3	.0002	.0004	.0007	.008	.0010	.0011	.004
%RSD	38.34	1.274	15.07	39.21	76.66	.1153	117.4	101.5	.0605
#1	.0007	256.8	.0012	.0006	-.0002	6.959	.0002	.0009	6.455
#2	.0014	254.0	.0014	.0014	-.0016	6.973	-.0010	.0001	6.462
#3	.0016	260.5	.0016	.0013	-.0011	6.960	-.0018	.0022	6.461

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0003**	**.2106**	**-.0005**	**-.0002**	**.0004**	**-.0021**	**.0067**	**.0001**
Stddev	.0006	.0007	.0001	.0005	.0002	.0004	.0001	.0001
%RSD	208.3	.3140	15.76	228.3	49.24	19.72	1.238	57.58
#1	-.0009	.2112	-.0005	-.0004	.0002	-.0019	.0066	.0002
#2	-.0000	.2099	-.0004	.0003	.0006	-.0018	.0067	.0001
#3	.0001	.2107	-.0005	-.0005	.0004	-.0026	.0067	.0000

Zoom In Zoom Out

Sample Name: JE21317-1 Acquired: 10/22/2025 11:51:18 Type: Unk
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: PB

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5955.0**	**106540.**	**17605.**	**2990.1**
Stddev	8.3	354.	128.	.5
%RSD	.13956	.33222	.72716	.01698
#1	5949.4	106200.	17665.	2989.9
#2	5951.1	106910.	17691.	2989.7
#3	5964.6	106530.	17458.	2990.7

Zoom In Zoom Out

Sample Name: MP58085-SD1 Acquired: 10/22/2025 11:56:17 Type: Unk
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: PB

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0012**	**.0317**	**-.0016**	**.1802**	**.1730**	**.0001**	**-.0088**	**41.91**	**.0002**
Stddev	.0011	.0119	.0110	.0111	.0092	.0002	.0027	1.93	.0006
%RSD	96.83	37.49	691.1	6.152	5.346	139.9	30.60	4.595	244.0
#1	.0020	.0452	-.0137	.1923	.1827	.0003	-.0084	43.64	-.0001
#2	.0016	.0228	.0012	.1777	.1720	.0000	-.0117	42.25	.0009
#3	-.0001	.0271	.0078	.1705	.1643	.0000	-.0063	39.84	-.0001

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0097**	**.0018**	**.0015**	**-.0015**	**.1064**	**6.347**	**.0092**	**6.785**	**.0745**
Stddev	.0066	.0021	.0002	.0016	.0074	.198	.0084	.307	.0031
%RSD	67.70	112.1	16.67	100.7	6.924	3.118	91.40	4.527	4.178
#1	-.0026	.0027	.0016	-.0016	.1148	6.390	.0148	7.084	.0776
#2	-.0108	-.0005	.0012	.0001	.1029	6.520	.0132	6.800	.0745
#3	-.0157	.0033	.0016	-.0030	.1014	6.131	-.0005	6.470	.0714

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**289.9**	**-.0001**	**-.0116**	**-.0002**	**5.323**	**.0001**	**.0050**	**5.115**
Stddev	.0011	13.1	.0009	.0063	.0021	.329	.0015	.0023	.288
%RSD	186.1	4.530	970.8	54.12	1087.	6.177	1867.	45.27	5.624
#1	.0018	302.9	-.0010	-.0148	-.0025	5.698	.0001	.0073	5.439
#2	-.0002	290.3	.0007	-.0044	.0002	5.189	-.0015	.0028	5.017
#3	.0002	276.6	.0001	-.0157	.0017	5.082	.0016	.0050	4.889

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0014**	**.2379**	**-.0027**	**-.0055**	**.0004**	**-.0178**	**.0027**	**.0005**
Stddev	.0047	.0123	.0012	.0031	.0009	.0007	.0011	.0005
%RSD	337.6	5.156	44.58	56.58	211.8	3.869	39.70	101.3
#1	-.0067	.2499	-.0013	-.0090	.0010	-.0184	.0027	.0002
#2	.0021	.2385	-.0034	-.0032	.0010	-.0179	.0037	.0010
#3	.0004	.2253	-.0035	-.0042	-.0006	-.0170	.0016	.0002

Zoom In Zoom Out

Sample Name: MP58085-SD1 Acquired: 10/22/2025 11:56:17 Type: Unk
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: PB

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6094.8**	**107450.**	**17575.**	**3051.0**
Stddev	7.7	95.	202.	3.1
%RSD	.12633	.08806	1.1514	.10010
#1	6103.7	107390.	17757.	3049.9
#2	6091.2	107560.	17357.	3048.6
#3	6089.6	107390.	17612.	3054.5

Zoom In Zoom Out

Sample Name: MP58085-S1 Acquired: 10/22/2025 12:01:10 Type: Unk
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: NA

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2341**	**25.39**	**1.405**	**1.591**	**2.134**	**2.025**	**-.0120**	**68.37**
Stddev	.0103	1.32	.109	.122	.106	.100	.0037	3.40
%RSD	4.412	5.201	7.785	7.684	4.946	4.926	30.62	4.972
#1	.2451	26.75	1.529	1.729	2.244	2.127	-.0162	71.81
#2	.2325	25.29	1.367	1.552	2.124	2.023	-.0102	68.30
#3	.2247	24.12	1.320	1.494	2.033	1.927	-.0095	65.01

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.509**	**.0051**	**1.522**	**1.818**	**1.587**	**26.57**	**32.01**	**-.0060**
Stddev	.114	.0066	.114	.093	.066	1.36	1.34	.0019
%RSD	7.581	131.2	7.488	5.131	4.166	5.131	4.170	32.15
#1	1.637	.0127	1.651	1.912	1.652	27.97	33.42	-.0038
#2	1.471	.0011	1.482	1.816	1.589	26.50	31.84	-.0071
#3	1.418	.0014	1.433	1.726	1.520	25.25	30.77	-.0071

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**32.42**	**1.870**	**1.502**	**319.2**	**1.518**	**-.0099**	**1.490**	**5.400**
Stddev	1.66	.099	.116	15.8	.116	.0034	.113	.411
%RSD	5.110	5.274	7.709	4.947	7.665	33.89	7.552	7.615
#1	34.08	1.971	1.632	335.2	1.649	-.0071	1.618	5.867
#2	32.42	1.865	1.463	318.7	1.477	-.0091	1.447	5.242
#3	30.77	1.774	1.411	303.6	1.428	-.0137	1.406	5.092

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.456**	**1.446**	**4.959**	**1.495**	**2.231**	**1.797**	W **1.451**	**1.774**
Stddev	.111	.128	.381	.114	.112	.084	.111	.088
%RSD	7.624	8.835	7.690	7.639	5.039	4.646	7.639	4.961
#1	1.578	1.590	5.386	1.623	2.345	1.881	1.575	1.863
#2	1.429	1.402	4.838	1.455	2.227	1.797	1.416	1.772
#3	1.361	1.346	4.653	1.406	2.120	1.714	1.362	1.687

Zoom In Zoom Out

Sample Name: MP58085-S1 Acquired: 10/22/2025 12:01:10 Type: Unk
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: NA

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**1.449**	**1.542**	**1.772**
Stddev	.114	.119	.085
%RSD	7.831	7.721	4.789
#1	1.576	1.677	1.857
#2	1.410	1.498	1.771
#3	1.360	1.452	1.687

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6064.4**	**106670.**	**17492.**	**3035.4**
Stddev	5.8	682.	54.	5.4
%RSD	.09632	.63908	.30660	.17736
#1	6067.1	105930.	17437.	3035.7
#2	6057.7	106830.	17494.	3029.9
#3	6068.4	107270.	17544.	3040.6

Zoom In Zoom Out

Sample Name: MP58085-S2 Acquired: 10/22/2025 12:05:52 Type: Unk
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: NA

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2380**	**26.13**	**1.300**	**1.466**	**2.178**	**2.073**	**-.0107**	**69.79**
Stddev	.0127	1.16	.162	.177	.099	.095	.0037	3.10
%RSD	5.350	4.446	12.43	12.07	4.556	4.569	34.32	4.442
#1	.2504	27.36	1.482	1.667	2.282	2.174	-.0145	73.09
#2	.2386	26.00	1.244	1.396	2.167	2.060	-.0105	69.35
#3	.2249	25.05	1.174	1.334	2.085	1.986	-.0072	66.94

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.394**	**-.0101**	**1.410**	**1.842**	**1.622**	**27.29**	**32.82**	**.0039**
Stddev	.167	.0082	.169	.093	.092	1.23	1.44	.0028
%RSD	12.00	81.53	11.96	5.057	5.690	4.496	4.388	73.49
#1	1.583	-.0007	1.601	1.932	1.713	28.58	34.30	.0017
#2	1.333	-.0137	1.348	1.847	1.623	27.16	32.73	.0028
#3	1.265	-.0159	1.282	1.746	1.529	26.13	31.42	.0071

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**33.52**	**1.907**	**1.383**	**322.8**	**1.405**	**-.0120**	**1.381**	**4.949**
Stddev	1.46	.102	.167	14.5	.166	.0041	.171	.608
%RSD	4.343	5.330	12.04	4.490	11.79	34.45	12.35	12.28
#1	35.12	2.008	1.572	337.9	1.592	-.0158	1.575	5.637
#2	33.16	1.909	1.320	321.2	1.348	-.0076	1.314	4.727
#3	32.28	1.805	1.257	309.1	1.276	-.0127	1.255	4.483

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.344**	**1.346**	**4.253**	**1.377**	**2.278**	**1.820**	W **1.360**	**1.800**
Stddev	.160	.156	.506	.162	.104	.097	.165	.097
%RSD	11.87	11.60	11.90	11.79	4.549	5.325	12.13	5.364
#1	1.524	1.522	4.825	1.559	2.388	1.915	1.545	1.896
#2	1.286	1.291	4.074	1.325	2.264	1.824	1.306	1.803
#3	1.221	1.225	3.861	1.247	2.182	1.721	1.229	1.703

Zoom In Zoom Out

Sample Name: MP58085-S2 Acquired: 10/22/2025 12:05:52 Type: Unk
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: NA

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**1.339**	**1.428**	**1.807**
Stddev	.169	.170	.095
%RSD	12.58	11.90	5.241
#1	1.532	1.621	1.901
#2	1.265	1.362	1.809
#3	1.220	1.301	1.711

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6055.0**	**106480.**	**17370.**	**3039.6**
Stddev	8.4	172.	54.	5.6
%RSD	.13796	.16169	.30882	.18307
#1	6053.1	106570.	17314.	3035.4
#2	6064.1	106590.	17421.	3045.9
#3	6047.7	106280.	17375.	3037.4

Zoom In Zoom Out

Sample Name: JE21317-1 Acquired: 10/22/2025 12:10:34 Type: Unk
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: NA

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0019**	**.0610**	**.0100**	**.1372**	**.1811**	**-.0001**	**-.0078**	**44.35**	**-.0003**
Stddev	.0014	.0179	.0019	.0077	.0177	.0003	.0089	4.34	.0007
%RSD	72.46	29.39	19.45	5.648	9.766	306.1	113.8	9.789	245.0
#1	.0026	.0816	.0085	.1452	.1993	-.0001	-.0036	48.69	.0000
#2	.0003	.0527	.0122	.1366	.1799	.0002	-.0181	44.36	.0002
#3	.0028	.0488	.0092	.1297	.1640	-.0004	-.0019	40.01	-.0011

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0017**	**.0011**	**.0022**	**-.0016**	**.1048**	**6.613**	**.0018**	**7.101**	**.0674**
Stddev	.0055	.0012	.0004	.0008	.0054	.539	.0018	.731	.0057
%RSD	321.4	108.0	16.78	49.96	5.200	8.155	98.89	10.30	8.488
#1	.0038	.0023	.0018	-.0013	.1111	7.195	.0036	7.815	.0733
#2	-.0017	.0014	.0022	-.0010	.1013	6.516	.0019	7.135	.0670
#3	-.0073	-.0002	.0026	-.0025	.1021	6.129	-.0000	6.353	.0618

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**306.6**	**.0005**	**-.0045**	**-.0028**	**4.460**	**-.0012**	**-.0007**	**4.167**
Stddev	.0024	28.8	.0007	.0049	.0006	.281	.0056	.0064	.270
%RSD	485.4	9.381	151.8	108.7	20.28	6.305	458.1	878.0	6.468
#1	.0009	335.7	.0011	-.0100	-.0026	4.780	.0048	-.0070	4.472
#2	-.0021	305.8	-.0003	-.0029	-.0024	4.351	-.0022	.0058	4.069
#3	.0027	278.2	.0007	-.0006	-.0034	4.250	-.0062	-.0010	3.960

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0029**	**.2501**	**-.0027**	**-.0041**	**-.0002**	**-.0206**	**.0053**	**.0001**
Stddev	.0044	.0243	.0007	.0052	.0014	.0041	.0008	.0003
%RSD	152.2	9.722	26.61	127.3	601.5	19.80	15.53	179.9
#1	-.0044	.2751	-.0019	-.0000	.0003	-.0164	.0062	-.0000
#2	-.0064	.2487	-.0031	-.0023	.0008	-.0210	.0051	.0004
#3	.0021	.2265	-.0030	-.0099	-.0018	-.0245	.0046	.0000

Zoom In Zoom Out

Sample Name: JE21317-1 Acquired: 10/22/2025 12:10:34 Type: Unk
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: NA

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6053.4**	**106810.**	**17374.**	**3040.4**
Stddev	7.5	540.	75.	9.4
%RSD	.12395	.50561	.43449	.31038
#1	6045.4	107340.	17356.	3029.7
#2	6054.5	106840.	17309.	3043.5
#3	6060.3	106260.	17457.	3047.8

Zoom In Zoom Out

Sample Name: MP58085-SD1 Acquired: 10/22/2025 12:15:27 Type: Unk
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 25.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: NA

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0047**	**1.718**	**-.0038**	**.2324**	**.1547**	**-.0024**	**-.0444**	**38.35**	**-.0014**
Stddev	.0078	.126	.0023	.0025	.0022	.0009	.0207	.88	.0046
%RSD	167.4	7.303	60.92	1.089	1.438	35.88	46.52	2.288	326.0
#1	.0108	1.808	-.0062	.2296	.1569	-.0021	-.0536	39.29	.0036
#2	-.0041	1.771	-.0015	.2329	.1547	-.0018	-.0207	38.21	-.0055
#3	.0072	1.575	-.0038	.2346	.1525	-.0034	-.0589	37.55	-.0024

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0553**	**-.0010**	**.0006**	**-.0110**	**.0480**	**5.822**	**.0030**	**6.144**	**.0707**
Stddev	.0359	.0085	.0054	.0025	.0298	.242	.0182	.270	.0012
%RSD	64.95	842.2	930.4	23.06	62.14	4.155	608.8	4.398	1.754
#1	-.0947	-.0047	-.0046	-.0091	.0178	5.890	.0235	6.426	.0721
#2	-.0246	-.0070	.0001	-.0100	.0774	6.022	-.0110	5.887	.0698
#3	-.0465	.0087	.0062	-.0139	.0486	5.553	-.0035	6.118	.0701

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0011**	**263.0**	**-.0128**	**-.0390**	**-.0401**	**6.453**	**-.0212**	**.0148**	**6.110**
Stddev	.0034	6.7	.0040	.0212	.0446	.083	.0197	.0503	.058
%RSD	320.3	2.554	31.39	54.45	111.2	1.281	92.63	339.4	.9438
#1	.0015	270.0	-.0140	-.0634	-.0214	6.358	-.0003	-.0305	6.048
#2	-.0049	262.4	-.0160	-.0287	-.0080	6.504	-.0394	.0060	6.121
#3	.0002	256.6	-.0083	-.0249	-.0911	6.498	-.0240	.0690	6.162

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0119**	**.2154**	**-.0102**	**-.0167**	**-.0004**	**-.1190**	**-.0094**	**.0000**
Stddev	.0113	.0060	.0051	.0251	.0016	.0231	.0044	.0018
%RSD	94.32	2.777	49.84	150.8	363.1	19.44	46.72	8361.
#1	-.0246	.2214	-.0060	.0123	-.0021	-.1448	-.0135	-.0020
#2	-.0032	.2153	-.0088	-.0291	.0012	-.1117	-.0099	.0014
#3	-.0080	.2095	-.0159	-.0332	-.0004	-.1003	-.0047	.0007

Zoom In Zoom Out

Sample Name: MP58085-SD1 Acquired: 10/22/2025 12:15:27 Type: Unk
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 25.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: NA

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6096.1**	**107030.**	**17587.**	**3063.1**
Stddev	5.6	230.	67.	3.8
%RSD	.09137	.21515	.38347	.12345
#1	6089.9	106890.	17608.	3060.0
#2	6097.6	106890.	17642.	3067.3
#3	6100.7	107290.	17512.	3062.0

Zoom In Zoom Out

Sample Name: JE21034-6 Acquired: 10/22/2025 12:20:21 Type: Unk
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: Y

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0382**	**.0037**	**.4886**	**.8800**	**-.0002**	**-.0019**	**159.1**	**-.0006**
Stddev	.0003	.0055	.0003	.0011	.0033	.0000	.0010	.4	.0001
%RSD	202.7	14.53	8.292	.2296	.3738	23.35	51.17	.2394	10.18
#1	.0000	.0446	.0035	.4894	.8821	-.0002	-.0009	158.7	-.0006
#2	-.0001	.0349	.0035	.4890	.8818	-.0002	-.0028	159.3	-.0006
#3	.0004	.0351	.0040	.4873	.8763	-.0001	-.0020	159.4	-.0007

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0045**	**-.0006**	**.0007**	**.0001**	**1.305**	**16.72**	**.4118**	**37.58**	**.2961**
Stddev	.0004	.0002	.0001	.0002	.002	.05	.0016	.08	.0015
%RSD	8.268	37.94	15.34	148.1	.1502	.3113	.3823	.2126	.5086
#1	.0049	-.0007	.0007	-.0001	1.303	16.74	.4113	37.53	.2973
#2	.0044	-.0007	.0006	.0002	1.305	16.76	.4136	37.67	.2965
#3	.0042	-.0003	.0008	.0002	1.307	16.66	.4106	37.54	.2944

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0011**	**F 296.2**	**.0009**	**.0521**	**-.0015**	**3.761**	**-.0024**	**.0009**	**16.31**
Stddev	.0002	1.5	.0003	.0005	.0001	.003	.0019	.0010	.02
%RSD	20.41	.4942	38.54	.8692	9.971	.0793	77.36	111.9	.1005
#1	.0010	297.0	.0010	.0525	-.0014	3.758	-.0042	-.0001	16.30
#2	.0010	297.1	.0011	.0521	-.0014	3.762	-.0004	.0010	16.31
#3	.0014	294.5	.0005	.0516	-.0016	3.764	-.0027	.0019	16.33

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0022**	**2.006**	**-.0013**	**-.0020**	**.0019**	**-.0043**	**.0029**	**.0011**
Stddev	.0004	.004	.0001	.0009	.0002	.0004	.0000	.0001
%RSD	19.03	.2199	4.699	46.00	11.01	10.13	.5446	4.489
#1	-.0017	2.008	-.0012	-.0010	.0022	-.0045	.0029	.0012
#2	-.0026	2.009	-.0013	-.0028	.0018	-.0045	.0028	.0011
#3	-.0022	2.001	-.0013	-.0021	.0019	-.0038	.0029	.0011

Zoom In Zoom Out

Sample Name: JE21034-6 Acquired: 10/22/2025 12:20:21 Type: Unk
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: Y

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5804.6**	**107520.**	**17411.**	**2908.8**
Stddev	9.8	496.	79.	3.9
%RSD	.16822	.46100	.45186	.13318
#1	5797.6	107010.	17473.	2907.2
#2	5800.5	107570.	17322.	2906.1
#3	5815.8	108000.	17438.	2913.3

Zoom In Zoom Out

Sample Name: CCV Acquired: 10/22/2025 12:25:24 Type: QC
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2353**	**37.20**	**1.851**	**1.932**	**1.846**	**1.899**	**1.887**	**37.98**	**1.963**
Stddev	.0002	.01	.006	.007	.002	.003	.008	.04	.003
%RSD	.0931	.0318	.3228	.3630	.1097	.1444	.4333	.1112	.1732
#1	.2354	37.20	1.844	1.926	1.845	1.896	1.881	37.93	1.959
#2	.2351	37.22	1.854	1.931	1.849	1.901	1.884	38.01	1.964
#3	.2355	37.20	1.855	1.940	1.846	1.901	1.896	37.99	1.965
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.865**	**1.994**	**1.937**	**1.813**	**38.66**	**37.55**	**1.825**	**38.10**	**1.928**
Stddev	.004	.002	.007	.005	.03	.02	.001	.06	.003
%RSD	.2245	.1064	.3400	.2829	.0710	.0662	.0640	.1530	.1494
#1	1.870	1.996	1.929	1.819	38.64	37.52	1.824	38.16	1.924
#2	1.862	1.994	1.940	1.812	38.65	37.57	1.826	38.06	1.929
#3	1.864	1.992	1.941	1.809	38.69	37.55	1.825	38.06	1.930
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.941**	**37.45**	**1.977**	**1.984**	**1.957**	**1.967**	**1.931**	**1.949**	**4.814**
Stddev	.004	.03	.003	.002	.007	.007	.008	.008	.015
%RSD	.2238	.0873	.1657	.1155	.3433	.3738	.3975	.3981	.3182
#1	1.936	37.43	1.981	1.982	1.964	1.959	1.925	1.942	4.798
#2	1.944	37.49	1.976	1.983	1.951	1.968	1.928	1.948	4.814
#3	1.943	37.43	1.975	1.986	1.956	1.973	1.940	1.957	4.829
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

15.2

15

Zoom In Zoom Out

Sample Name: CCV Acquired: 10/22/2025 12:25:24 Type: QC
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.953**	**1.886**	**1.919**	**1.935**	**1.912**	**1.927**	**1.991**	**1.886**
Stddev	.004	.003	.002	.002	.002	.003	.008	.001
%RSD	.2253	.1580	.0985	.0925	.1061	.1306	.4041	.0541
#1	1.947	1.883	1.917	1.935	1.909	1.924	1.997	1.887
#2	1.955	1.889	1.920	1.933	1.913	1.929	1.994	1.885
#3	1.955	1.887	1.920	1.937	1.913	1.928	1.982	1.886
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6036.1**	**105960.**	**17475.**	**3004.1**
Stddev	7.6	248.	19.	4.3
%RSD	.12663	.23419	.11062	.14472
#1	6032.3	106220.	17456.	3006.7
#2	6044.9	105940.	17495.	3006.5
#3	6031.0	105730.	17474.	2999.1

Zoom In Zoom Out

Sample Name: CCB Acquired: 10/22/2025 12:29:56 Type: QC
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0053**	**.0009**	**.0038**	**-.0003**	**.0002**	**-.0019**	**.0061**	**.0004**
Stddev	.0000	.0046	.0016	.0008	.0001	.0001	.0004	.0034	.0003
%RSD	15.13	88.17	174.5	22.07	23.78	35.58	18.49	56.14	75.63
#1	.0003	.0036	.0000	.0046	-.0003	.0001	-.0023	.0065	.0003
#2	.0004	.0016	-.0001	.0037	-.0003	.0002	-.0017	.0025	.0002
#3	.0003	.0105	.0028	.0030	-.0004	.0002	-.0017	.0093	.0007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007**	**.0003**	**.0001**	**.0001**	**.0021**	**.0103**	**.0016**	**.0143**	**.0002**
Stddev	.0005	.0002	.0003	.0001	.0002	.0035	.0007	.0095	.0000
%RSD	68.46	54.03	252.9	125.6	7.028	34.04	47.29	66.29	15.28
#1	.0010	.0006	.0004	.0002	.0021	.0126	.0024	.0251	.0002
#2	.0010	.0003	.0001	.0002	.0023	.0120	.0014	.0078	.0002
#3	.0001	.0002	-.0002	-.0001	.0020	.0063	.0009	.0099	.0002
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**.0145**	**.0004**	**-.0019**	**.0005**	**-.0012**	**-.0001**	**.0011**	**.0030**
Stddev	.0002	.0049	.0004	.0015	.0012	.0008	.0010	.0011	.0011
%RSD	31.03	34.09	117.5	79.60	213.4	69.53	1599.	101.7	35.86
#1	.0006	.0146	.0005	-.0033	.0018	-.0014	-.0001	.0002	.0039
#2	.0007	.0095	.0007	-.0003	.0002	-.0020	-.0010	.0024	.0018
#3	.0004	.0193	-.0001	-.0021	-.0004	-.0003	.0009	.0008	.0034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: CCB Acquired: 10/22/2025 12:29:56 Type: QC
Method: SGS 3 NO Valve(v165) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**.0001**	**-.0001**	**-.0003**	**.0002**	**-.0046**	**-.0003**	**.0002**
Stddev	.0009	.0001	.0003	.0018	.0002	.0010	.0001	.0002
%RSD	142.1	38.85	377.3	560.8	81.33	21.86	30.28	87.13
#1	.0011	.0001	-.0004	-.0022	.0004	-.0037	-.0003	.0001
#2	-.0004	.0001	-.0001	.0014	.0001	-.0044	-.0002	.0004
#3	.0013	.0002	.0002	-.0002	.0001	-.0057	-.0003	.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6055.7**	**106660.**	**17781.**	**3054.8**
Stddev	11.0	81.	75.	3.3
%RSD	.18097	.07624	.42107	.10810
#1	6046.1	106570.	17768.	3053.2
#2	6053.4	106700.	17861.	3052.7
#3	6067.7	106720.	17713.	3058.6

NOTE: The remaining raw data for this batch is not relevant to this job. As such it has been omitted.

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	☒	21	Mn	0.000102	0.000000	No
			Mo	0.000020	-0.000003	No
			Ti	-0.000221	0.000000	No
			Fe	0.000003	0.000000	No
			Zn	-0.000001	0.000000	No
			Ca	-0.000001	0.000000	No
			Sr	0.000100	0.000000	No
			Mg	-0.000002	0.000000	No
			Ba	0.000071	0.000000	No
			Cr	0.000010	0.000000	No
			V	-0.000739	0.000000	No
			Al	0.000001	0.000000	No
			W	0.000015	0.000000	No
			Ce	-0.000660	0.000000	No
			Co	0.000000	0.000000	No
			B	0.000040	0.000000	No
			Zr	0.005230	0.000000	No
			S	-0.000002	0.000000	No
			Pb	0.000020	0.000000	No
			Sn	0.000100	0.000000	No
			Ni	-0.000045	0.000000	No
Al 396.152 { 85}	☒	8	Si	0.000652	0.000000	No
			Ca	0.000053	0.000000	No
			Mo	0.045290	0.000000	No
			Zr	0.013719	0.000000	No
			Ti	-0.000583	0.000000	No
			Ce	0.010010	0.000000	No
			Cr	0.004890	0.000000	No
			As	0.010000	0.000000	No
As 189.042 {478}	☒	23	Al	-0.000009	0.000000	No
			Fe	-0.000079	0.000000	No
			Ca	0.000004	0.000000	No
			Mo	0.002745	0.000000	No
			Cr	0.000719	0.000000	No
			Ba	0.000086	0.000000	No
			Sn	0.000148	0.000000	No
			Cd	-0.000208	0.000000	No
			Si	-0.000010	0.000000	No
			Zn	-0.000082	0.000000	No
			Sr	-0.000045	0.000000	No
			W	0.001499	0.000000	No
			Cu	0.000246	0.000000	No
			Co	-0.001000	0.000000	No
			Zr	-0.000009	0.000000	No
			Mn	0.000029	0.000000	No
			S	0.000003	0.000000	No
			Ti	0.000061	0.000000	No
			Mg	0.000003	0.000000	No
			Ce	-0.000210	0.000000	No
			Ni	0.000089	0.000000	No
			V	0.000117	0.000000	No
			B	0.000150	0.000000	No
B 208.959 {462}	☒	1	Mo	0.039488	0.000000	No
Ba 455.403 { 74}	☒	2	Zr	0.000000	0.000000	No
			Ca	-0.000005	0.000000	No
Be 313.042 {108}	☒	15	V	0.001140	0.000000	No
			Mo	-0.000047	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Ti	-0.000074	0.000000	No
			Mn	0.000000	0.000000	No
			Cu	0.000005	0.000000	No
			Bi	0.000060	0.000000	No
			Fe	0.000000	0.000000	No
			Al	0.000000	0.000000	No
			Mg	0.000001	0.000000	No
			Ca	0.000000	0.000000	No
			Sr	0.000000	0.000000	No
			S	-0.000001	0.000000	No
			Ni	0.000000	0.000000	No
			Ce	0.000120	0.000000	No
			B	0.000150	0.000000	No
Bi 223.061 {451}	☒	10	Ti	-0.000819	0.000000	No
			V	-0.000164	0.000000	No
			Co	-0.000330	0.000000	No
			Ca	-0.000002	0.000000	No
			Mg	-0.000000	0.000000	No
			Fe	0.000051	0.000000	No
			Cr	0.001595	0.000000	No
			Cu	-0.001148	0.000000	No
			W	-0.000800	0.000000	No
			Ce	-0.000820	0.000000	No
Ca 317.933 {106}	☒	14	Fe	0.000012	0.000000	No
			W	0.000000	0.000000	No
			Tl	-0.000152	0.000000	No
			Be	0.001840	0.000000	No
			Ba	-0.001224	0.000000	No
			Cu	-0.000822	0.000000	No
			Cd	0.000010	0.000000	No
			Ni	0.000667	0.000000	No
			B	-0.000210	0.000000	No
			Se	0.000923	0.000000	No
			Co	-0.000408	0.000000	No
			Cr	0.000640	0.000000	No
			Al	-0.000000	0.000000	No
			As	0.010000	0.000000	No
Cd 228.802 {448}	☒	15	As	0.007270	0.000000	No
			Ni	-0.000018	0.000000	No
			Fe	-0.000000	0.000000	No
			V	0.000054	0.000000	No
			Ba	0.000064	0.000000	No
			Co	-0.000667	0.000000	No
			Sr	-0.000020	0.000000	No
			Mn	0.000018	0.000000	No
			Cu	-0.000026	0.000000	No
			Zn	-0.000018	0.000000	No
			W	-0.000172	0.000000	No
			Zr	-0.000006	0.000000	No
			Mg	0.000000	0.000000	No
			Ca	0.000005	0.000000	No
			Al	-0.000000	0.000000	No
Ce 404.076 { 83}	☒	4	Mn	-0.000361	0.000000	No
			Fe	0.000174	0.000000	No
			Ti	-0.001676	0.000000	No
			Zr	0.000310	0.000000	No
Co 228.616 {448}	☒	7	Fe	0.000005	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Mo	0.000043	0.000000	No
			Ni	0.000091	0.000000	No
			Ti	0.001745	0.000000	No
			Ba	0.000540	0.000000	No
			W	0.000327	0.000000	No
			Cd	-0.000510	0.000000	No
Cr 267.716 {126}	☒	9	Mn	0.000158	0.000000	No
			V	-0.000183	0.000000	No
			Mo	-0.000082	0.000000	No
			Fe	0.000004	0.000000	No
			Ti	0.000060	0.000000	No
			Ba	0.000045	0.000000	No
			Cu	0.000100	0.000000	No
			Sr	-0.000100	0.000000	No
			W	0.000000	0.000000	No
Cu 324.754 {104}2	☒	14	Cr	-0.000099	0.000000	No
			V	-0.000086	0.000000	No
			Mo	0.000670	0.000000	No
			Ti	-0.000033	0.000000	No
			Fe	-0.000109	0.000000	No
			Zn	-0.000041	0.000000	No
			Co	-0.001350	0.000000	No
			Si	0.000016	0.000000	No
			Mn	-0.000017	0.000000	No
			Se	0.000050	0.000000	No
			Sb	0.000069	0.000000	No
			W	-0.000000	0.000000	No
			Al	0.000001	0.000000	No
			Zr	0.000300	0.000000	No
Fe 259.940 {130}	☒	15	Si	0.000221	0.000000	No
			Tl	-0.000051	0.000000	No
			Cr	-0.000420	0.000000	No
			Mn	-0.000046	0.000000	No
			V	0.000131	0.000000	No
			Cu	-0.000015	0.000000	No
			Zn	0.000046	0.000000	No
			Ti	0.000000	0.000000	No
			Ca	-0.000116	0.000000	No
			Ba	-0.000500	0.000000	No
			Mo	0.002980	0.000000	No
			Ni	0.000000	0.000000	No
			Al	-0.000078	0.000000	No
			As	0.000000	0.000000	No
			Li	-0.000500	0.000000	No
In 230.606 {446}*	☐	None				
K 766.490 { 44}	☒	11	Fe	0.000550	0.000000	No
			Al	0.000077	0.000000	No
			Ca	-0.000121	0.000000	No
			Mn	-0.007074	0.000000	No
			Si	-0.003000	0.000000	No
			V	-0.002000	0.000000	No
			Sn	-0.004700	0.000000	No
			Ba	-0.010574	0.000000	No
			Mo	-0.000850	0.000000	No
			Cu	-0.011483	0.000000	No
			Ni	-0.010000	0.000000	No
Li 670.784 { 50}	☒	2	Ca	0.000019	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Fe	-0.000008	0.000000	No
Mg 279.079 {121}	☒	3	Mo	-0.013702	0.000000	No
			W	-0.000030	0.000000	No
			Mn	-0.002445	0.000000	No
Mn 257.610 {131}	☒	8	Fe	0.000008	0.000000	No
			Si	0.000010	0.000000	No
			Ba	0.000004	0.000000	No
			Ni	0.000028	0.000000	No
			Al	0.000000	0.000000	No
			Ca	0.000010	0.000000	No
			Mg	0.000003	0.000000	No
			W	0.000260	0.000000	No
Mo 202.030 {467}	☒	2	Al	-0.000004	0.000000	No
			Fe	-0.000010	0.000000	No
Na 589.592 { 57}	☒	4	K	0.000040	0.000000	No
			Ba	0.000900	0.000000	No
			Ca	-0.000070	0.000000	No
			V	-0.005000	0.000000	No
Ni 231.604 {446}	☒	9	Fe	0.000033	0.000000	No
			Zn	-0.000013	0.000000	No
			Be	0.000213	0.000000	No
			Co	0.000141	0.000000	No
			Tl	0.000209	0.000000	No
			Mo	0.000026	0.000000	No
			Cu	0.000050	0.000000	No
			Se	0.000100	0.000000	No
			Ca	0.000000	0.000000	No
P 177.495 {490}	☒	13	Mn	-0.000215	0.000000	No
			Al	0.000028	0.000000	No
			V	0.001097	0.000000	No
			Si	0.000178	0.000000	No
			Ti	0.000000	0.000000	No
			Mo	0.000000	0.000000	No
			S	0.000015	0.000000	No
			Co	0.000352	0.000000	No
			Cu	0.003229	0.000000	No
			Ca	0.000024	0.000000	No
			Cr	0.000099	0.000000	No
			Fe	0.000057	0.000000	No
			W	0.002000	0.000000	No
Pb 220.353 {453}	☒	22	Al	-0.000056	0.000000	No
			Fe	0.000045	0.000000	No
			Ca	0.000003	0.000000	No
			Mn	0.000084	0.000000	No
			Mo	-0.001031	0.000000	No
			Cu	0.000399	0.000000	No
			Co	-0.001002	0.000000	No
			Ti	-0.000378	0.000000	No
			Si	0.000096	0.000000	No
			Ba	-0.000022	0.000000	No
			Sb	-0.000084	0.000000	No
			Sr	-0.000033	0.000000	No
			W	-0.000312	0.000000	No
			Mg	0.000007	0.000000	No
			Cd	0.000012	0.000000	No
			Cr	-0.000015	0.000000	No
			Ni	-0.000150	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			S	-0.000003	0.000000	No
			Zn	0.000064	0.000000	No
			Ce	0.000770	0.000000	No
			Zr	-0.000409	0.000000	No
			V	0.000112	0.000000	No
S 182.034 {485}	☒	9	Mo	0.001470	0.000000	No
			Al	0.000008	0.000000	No
			Fe	-0.000011	0.000000	No
			Mn	0.005259	0.000000	No
			W	-0.000026	0.000000	No
			Ca	0.000036	0.000000	No
			Mg	0.000012	0.000000	No
			Ce	-0.002570	0.000000	No
			Ba	0.004000	0.000000	No
Sb 206.833 {463}	☒	20	Fe	0.000019	0.000000	No
			Al	-0.000001	0.000000	No
			Ca	0.000006	0.000000	No
			Ni	-0.000022	0.000000	No
			Cr	0.013698	0.000000	No
			V	-0.002123	0.000000	No
			Zn	-0.000035	0.000000	No
			Mo	0.000356	0.000000	No
			Ti	0.000160	0.000000	No
			Sn	-0.002790	0.000000	No
			Mg	-0.000001	0.000000	No
			Zr	-0.000120	0.000000	No
			Sr	0.000031	0.000000	No
			B	-0.000100	0.000000	No
			Co	-0.000102	0.000000	No
			W	0.001030	0.000000	No
			Si	0.000030	0.000000	No
			Ce	-0.000870	0.000000	No
			Mn	-0.000139	0.000000	No
			S	-0.000005	0.000000	No
Se 196.090 {472}	☒	24	Al	0.000004	0.000000	No
			Ca	-0.000004	0.000000	No
			Mn	0.000114	0.000000	No
			Mo	0.000100	0.000000	No
			Fe	-0.000067	0.000000	No
			Co	-0.000173	0.000000	No
			Sr	-0.000011	0.000000	No
			Cu	0.000076	0.000000	No
			W	0.006890	0.000000	No
			Si	0.000054	0.000000	No
			Be	-0.000347	0.000000	No
			Zn	0.000050	0.000000	No
			B	0.000028	0.000000	No
			Ti	-0.000067	0.000000	No
			Cd	0.000090	0.000000	No
			Zr	-0.000297	0.000000	No
			Ba	-0.000046	0.000000	No
			Mg	0.000002	0.000000	No
			Pb	-0.000078	0.000000	No
			Ni	0.000043	0.000000	No
			Cr	-0.000024	0.000000	No
			S	-0.000004	0.000000	No
			V	-0.000063	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Ce	-0.000130	0.000000	No
Si 212.412 {459}	☒	18	Sr	0.000366	0.000000	No
			Ni	0.000021	0.000000	No
			Mo	0.028000	0.000000	No
			V	0.019350	0.000000	No
			Ti	0.005473	0.000000	No
			Al	0.000002	0.000000	No
			Cd	0.001043	0.000000	No
			Ba	0.001987	0.000000	No
			Sn	0.007500	0.000000	No
			Zn	0.000385	0.000000	No
			Be	-0.000048	0.000000	No
			W	0.010427	0.000000	No
			Ca	0.000017	0.000000	No
			Fe	0.000010	0.000000	No
			Mg	-0.000014	0.000000	No
			S	0.000200	0.000000	No
			As	0.080000	0.000000	No
			Co	0.020000	0.000000	No
Sn 189.989 {478}	☒	5	Ti	-0.001934	0.000000	No
			Fe	0.000004	0.000000	No
			Si	0.000000	0.000000	No
			Zr	0.000394	0.000000	No
			W	0.000000	0.000000	No
Sr 407.771 { 83}	☒	2	Ca	0.000005	0.000000	No
			Si	0.000033	0.000000	No
Ti 334.904 {101}	☒	4	Cr	-0.000063	0.000000	No
			Mo	0.001093	0.000000	No
			Si	0.000035	0.000000	No
			Li	0.000000	0.000000	No
Tl 190.856 {477}	☒	27	Cr	0.000215	0.000000	No
			Mo	0.000131	0.000000	No
			Al	-0.000003	0.000000	No
			Fe	-0.000025	0.000000	No
			V	-0.010956	0.000000	No
			Mn	0.001217	0.000000	No
			Si	-0.000048	0.000000	No
			Ca	-0.000003	0.000000	No
			Ti	-0.001251	0.000000	No
			Mg	0.000002	0.000000	No
			Co	0.003714	0.000000	No
			Sr	0.000210	0.000000	No
			B	-0.000003	0.000000	No
			Ba	0.000034	0.000000	No
			Zn	-0.000053	0.000000	No
			As	0.000280	0.000000	No
			W	-0.000800	0.000000	No
			Cu	0.000000	0.000000	No
			Pb	0.000147	0.000000	No
			S	0.000010	0.000000	No
			Sn	-0.000086	0.000000	No
			Li	0.000000	0.000000	No
			K	0.000000	0.000000	No
			Zr	-0.000040	0.000000	No
			Ce	-0.000040	0.000000	No
			P	0.000000	0.000000	No
			Ni	0.000047	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
	V 292.402 {115}	☒	7	Ti	0.000779	0.000000	No
				Mo	-0.000954	0.000000	No
				Fe	0.000024	0.000000	No
				Sr	-0.000100	0.000000	No
				Cr	-0.001171	0.000000	No
				Mn	-0.000100	0.000000	No
				Al	0.000000	0.000000	No
	W 207.911 {462}	☒	20	Si	0.000105	0.000000	No
				As	0.000100	0.000000	No
				Mn	0.000066	0.000000	No
				Mo	-0.000300	0.000000	No
				Ti	0.000080	0.000000	No
				Sr	-0.000850	0.000000	No
				V	-0.000140	0.000000	No
				Cd	-0.000650	0.000000	No
				Cr	-0.000390	0.000000	No
				Zn	0.012306	0.000000	No
				Sn	-0.000320	0.000000	No
				Zr	0.000061	0.000000	No
				B	0.000009	0.000000	No
				Sb	-0.000300	0.000000	No
				Co	-0.001000	0.000000	No
				Ni	0.000050	0.000000	No
				Be	-0.000185	0.000000	No
				Se	-0.000105	0.000000	No
				Cu	-0.000138	0.000000	No
				Tl	-0.000220	0.000000	No
	Y 360.073 { 94}*	☐	None				
	Y 371.030 { 91}*	☐	None				
	Y 224.306 {451}*	☐	None				
	Zn 206.200 {464}	☒	12	Cr	-0.000843	0.000000	No
				Fe	0.000002	0.000000	No
				Si	0.000015	0.000000	No
				Mn	-0.000045	0.000000	No
				Ba	-0.000060	0.000000	No
				Sn	-0.000023	0.000000	No
				Cu	0.000148	0.000000	No
				As	0.000055	0.000000	No
				Be	0.000058	0.000000	No
				Ca	0.000014	0.000000	No
				W	0.001027	0.000000	No
				V	0.000264	0.000000	No
	Zr 339.198 { 99}	☒	13	Mo	0.001036	0.000000	No
				Ti	-0.000044	0.000000	No
				Fe	-0.000028	0.000000	No
				Si	0.000032	0.000000	No
				S	0.000000	0.000000	No
				Cr	-0.000200	0.000000	No
				W	0.001099	0.000000	No
				V	0.000800	0.000000	No
				Ni	0.000000	0.000000	No
				As	0.000000	0.000000	No
				Sn	0.000000	0.000000	No
				Sb	0.000000	0.000000	No
				Ce	0.000000	0.000000	No

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
Ag 328.068 {103}	10/22/2025 17:40:11	10/22/2025 9:19:56	Linear	None	-0.000216	0.157169	0.000000	1.000000
Al 396.152 { 85}	10/22/2025 17:40:11	10/22/2025 9:19:56	Linear	None	0.000288	0.052181	0.000000	1.000000
As 189.042 {478}	10/22/2025 17:40:11	10/22/2025 9:19:56	Linear	None	-0.000677	0.066437	0.000000	1.000000
B 208.959 {462}	10/22/2025 17:40:11	10/22/2025 9:19:56	Linear	None	0.000685	0.286321	0.000000	1.000000
Ba 455.403 { 74}	10/22/2025 17:40:11	10/22/2025 9:19:56	Linear	None	0.001076	2.390548	0.000000	1.000000
Be 313.042 {108}	10/22/2025 17:40:11	10/22/2025 9:19:56	Linear	None	0.000401	3.088432	0.000000	1.000000
Bi 223.061 {451}	10/22/2025 17:40:11	10/22/2025 9:19:56	Linear	None	-0.001301	0.291440	0.000000	1.000000
Ca 317.933 {106}	10/22/2025 17:40:11	10/22/2025 9:19:56	Linear	None	0.004290	0.094496	0.000000	1.000000
Cd 228.802 {448}	10/22/2025 17:40:11	10/22/2025 9:19:56	Linear	None	0.000883	1.192869	0.000000	1.000000
Ce 404.076 { 83}	10/22/2025 17:40:11	10/22/2025 9:19:56	Linear	1/Conc	-0.000147	0.052933	0.000000	1.000000
Co 228.616 {448}	10/22/2025 17:40:11	10/22/2025 9:19:56	Linear	None	-0.000218	0.467646	0.000000	1.000000
Cr 267.716 {126}	10/22/2025 17:40:11	10/22/2025 9:19:56	Linear	None	0.000010	0.130359	0.000000	1.000000
Cu 324.754 {104}2	10/22/2025 17:40:11	10/22/2025 9:19:56	Linear	None	0.010192	0.367523	0.000000	1.000000
Fe 259.940 {130}	10/22/2025 17:40:11	10/22/2025 9:19:56	Linear	None	0.000046	0.046201	0.000000	1.000000
In 230.606 {446}*	10/22/2025 17:40:11	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
K 766.490 { 44}	10/22/2025 17:40:11	10/22/2025 9:19:56	Linear	None	0.000243	0.019467	0.000000	1.000000
Li 670.784 { 50}	10/22/2025 17:40:11	10/22/2025 9:19:56	Linear	None	0.000454	0.457665	0.000000	1.000000
Mg 279.079 {121}	10/22/2025 17:40:11	10/22/2025 9:19:56	Linear	None	-0.000221	0.006722	0.000000	1.000000
Mn 257.610 {131}	10/22/2025 17:40:11	10/22/2025 9:19:56	Linear	None	0.000110	0.775382	0.000000	1.000000
Mo 202.030 {467}	10/22/2025 17:40:11	10/22/2025 9:19:56	Linear	None	0.000951	0.729397	0.000000	1.000000
Na 589.592 { 57}	10/22/2025 17:40:11	10/22/2025 9:19:56	Linear	None	0.004617	0.084700	0.000000	1.000000
Ni 231.604 {446}	10/22/2025 17:40:11	10/22/2025 9:19:56	Linear	None	0.000318	0.397095	0.000000	1.000000
P 177.495 {490}	10/22/2025 17:40:11	10/22/2025 9:19:56	Linear	1/Conc	-0.001333	0.095345	0.000000	1.000000
Pb 220.353 {453}	10/22/2025 17:40:11	10/22/2025 9:19:56	Linear	None	-0.000075	0.188691	0.000000	1.000000
S 182.034 {485}	10/22/2025 17:40:11	10/22/2025 9:19:56	Linear	None	0.000409	0.057653	0.000000	1.000000
Sb 206.833 {463}	10/22/2025 17:40:11	10/22/2025 9:19:56	Linear	None	0.000378	0.194926	0.000000	1.000000
Se 196.090 {472}	10/22/2025 17:40:11	10/22/2025 9:19:56	Linear	None	0.000097	0.086829	0.000000	1.000000
Si 212.412 {459}	10/22/2025 17:40:11	10/22/2025 9:19:56	Linear	None	0.008629	0.240173	0.000000	1.000000
Sn 189.989 {478}	10/22/2025 17:40:11	10/22/2025 9:19:56	Linear	None	0.000257	0.129747	0.000000	1.000000
Sr 407.771 { 83}	10/22/2025 17:40:11	10/22/2025 9:19:56	Linear	None	0.000567	5.091684	0.000000	1.000000
Ti 334.904 {101}	10/22/2025 17:40:11	10/22/2025 9:19:56	Linear	None	0.000007	0.157304	0.000000	1.000000
Tl 190.856 {477}	10/22/2025 17:40:11	10/22/2025 9:19:56	Linear	None	-0.000226	0.039436	0.000000	1.000000
V 292.402 {115}	10/22/2025 17:40:11	10/22/2025 9:19:56	Linear	None	0.000053	0.230569	0.000000	1.000000
W 207.911 {462}	10/22/2025 17:40:11	10/22/2025 9:19:56	Linear	None	0.002830	0.393029	0.000000	1.000000
Y 360.073 { 94}*	10/22/2025 17:40:11	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}*	10/22/2025 17:40:11	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 224.306 {451}*	10/22/2025 17:40:11	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Zn 206.200 {464}	10/22/2025 17:40:11	10/22/2025 9:19:56	Linear	None	0.000884	0.928213	0.000000	1.000000
Zr 339.198 { 99}	10/22/2025 17:40:11	10/22/2025 9:19:56	Linear	None	-0.000436	0.533642	0.000000	1.000000

Element, Wavelength and Order	Correlation	Std Error of Est	Predicted MDL	Predicted MQL	Status	Reslope		QC Norm	
						Slope	Y-int	Slope factor	Offset
Ag 328.068 {103}	1.000000	0.000000	0.000355	0.001184	OK.	1.000000	0.000000	1	0
Al 396.152 { 85}	1.000000	0.000000	0.006485	0.021617	OK.	1.000000	0.000000	1	0
As 189.042 {478}	1.000000	0.000000	0.002454	0.008180	OK.	1.000000	0.000000	1	0
B 208.959 {462}	1.000000	0.000000	0.000681	0.002271	OK.	1.000000	0.000000	1	0
Ba 455.403 { 74}	1.000000	0.000000	0.000196	0.000653	OK.	1.000000	0.000000	1	0
Be 313.042 {108}	1.000000	0.000000	0.000051	0.000169	OK.	1.000000	0.000000	1	0
Bi 223.061 {451}	1.000000	0.000000	0.001324	0.004413	OK.	1.000000	0.000000	1	0
Ca 317.933 {106}	1.000000	0.000000	0.002076	0.006921	OK.	1.000000	0.000000	1	0
Cd 228.802 {448}	1.000000	0.000000	0.000208	0.000694	OK.	1.000000	0.000000	1	0
Ce 404.076 { 83}	1.000000	0.000000	0.002017	0.006724	OK.	1.000000	0.000000	1	0
Co 228.616 {448}	1.000000	0.000000	0.000306	0.001019	OK.	1.000000	0.000000	1	0
Cr 267.716 {126}	1.000000	0.000000	0.000294	0.000979	OK.	1.000000	0.000000	1	0
Cu 324.754 {104}2	1.000000	0.000000	0.000252	0.000839	OK.	1.000000	0.000000	1	0
Fe 259.940 {130}	1.000000	0.000000	0.001851	0.006171	OK.	1.000000	0.000000	1	0
In 230.606 {446}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
K 766.490 { 44}	1.000000	0.000000	0.031695	0.105649	OK.	1.000000	0.000000	1	0
Li 670.784 { 50}	1.000000	0.000000	0.001281	0.004269	OK.	1.000000	0.000000	1	0
Mg 279.079 {121}	1.000000	0.000000	0.018554	0.061848	OK.	1.000000	0.000000	1	0
Mn 257.610 {131}	1.000000	0.000000	0.000046	0.000154	OK.	1.000000	0.000000	1	0
Mo 202.030 {467}	1.000000	0.000000	0.000318	0.001061	OK.	1.000000	0.000000	1	0
Na 589.592 { 57}	1.000000	0.000000	0.006657	0.022189	OK.	1.000000	0.000000	1	0
Ni 231.604 {446}	1.000000	0.000000	0.000410	0.001368	OK.	1.000000	0.000000	1	0
P 177.495 {490}	1.000000	0.000000	0.001686	0.005621	OK.	1.000000	0.000000	1	0
Pb 220.353 {453}	1.000000	0.000000	0.001369	0.004564	OK.	1.000000	0.000000	1	0
S 182.034 {485}	1.000000	0.000000	0.003158	0.010526	OK.	1.000000	0.000000	1	0
Sb 206.833 {463}	1.000000	0.000000	0.001391	0.004636	OK.	1.000000	0.000000	1	0
Se 196.090 {472}	1.000000	0.000000	0.002368	0.007892	OK.	1.000000	0.000000	1	0
Si 212.412 {459}	1.000000	0.000000	0.001155	0.003850	OK.	1.000000	0.000000	1	0
Sn 189.989 {478}	1.000000	0.000000	0.001200	0.004000	OK.	1.000000	0.000000	1	0
Sr 407.771 { 83}	1.000000	0.000000	0.000056	0.000186	OK.	1.000000	0.000000	1	0
Ti 334.904 {101}	1.000000	0.000000	0.000310	0.001034	OK.	1.000000	0.000000	1	0
Tl 190.856 {477}	1.000000	0.000000	0.002294	0.007646	OK.	1.000000	0.000000	1	0
V 292.402 {115}	1.000000	0.000000	0.000229	0.000764	OK.	1.000000	0.000000	1	0
W 207.911 {462}	1.000000	0.000000	0.001230	0.004100	OK.	1.000000	0.000000	1	0
Y 360.073 { 94}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 371.030 { 91}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 224.306 {451}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Zn 206.200 {464}	1.000000	0.000000	0.000222	0.000740	OK.	1.000000	0.000000	1	0
Zr 339.198 { 99}	1.000000	0.000000	0.000141	0.000470	OK.	1.000000	0.000000	1	0

SGS North America Inc.

Aqueous Metals Digestion Form

Batch Information

Batch ID	Start Date	Start Time	End Date	End time	QC Samp 1	QC Samp 2
MP58085	10/20/2025	9:10	10/20/2025	12:10	JE21317-1	

Temperature

		Block ID1	Therm. ID#	Temperature	Correction	Corrected Temp
1	Start	MP-22	700396	95	0	95
1	End	MP-22	700396	95	0	95
2	Start					
2	End					

Methods and Equipment

	Dig. Method	Heating Method		Auto Pipette #	Digestion Tube Lot #	
	SW846 3010A	Digestion Block		M-118	LV25030103	

Sample ID	Bottle Number	pH<2 (Y/N)_	Initial Sample Volume	Final Volume in ML	Reagent Groups Added	Spike Groups Added	Comments
MP58085-MB1	N/A	N	50	50	AB		
MP58085-B1	N/A	N	50	50	AB	ABCD	
MP58085-S1	7	Y	50	50	AB	ABCD	
MP58085-S2	7	Y	50	50	AB	ABCD	
MP58085-SD1	7	Y	50	50	AB		
JE21034-1	3	Y	50	50	AB		
JE21034-6	3	Y	50	50	AB		
JE21153-4	1	Y	50	50	AB		
JE21153-4F	2	Y	50	50	AB		
JE21261-3	1	Y	50	50	AB		
JE21261-4	1	Y	50	50	AB		
JE21317-1	7	Y	50	50	AB		
JE21317-2	7	Y	50	50	AB		
JE21317-3	7	Y	50	50	AB		
JE21317-4	7	Y	50	50	AB		
JE21317-5	7	Y	50	50	AB		
JE21317-6	7	Y	50	50	AB		
JE21317-7	7	Y	50	50	AB		
JE21317-8	7	Y	50	50	AB		
JE21317-9	7	Y	50	50	AB		
JE21392-1	3	Y	50	50	AB		

Reagents Groups

Group	Description	MLs Used
A	CONC. HNO3	3
B	1:1 HCL	5
C		
D		
E		
F		
G		
H		

Spike Groups

Group	Description	MLs Used
A	ACCUTEST 13A REV1	0.5
B	ACCUTEST 14A REV1	0.5
C	MINERALS 5000 PPM	0.25
D	AG 20 PPM	0.625
E		
F		
G		
H		
I		

Comments:

Analyst BRIANNAP **Approved by** AUBREYC **Approved on** 10/20/2025

Note: Reagent traceability for batch Start Date can be seen on the reagent traceability page for this batch.
Serial Dilution samples shown for QC purposes only.
Acceptable Temperature range is 90-95 degrees C unless otherwise noted

Metals Digestion Reagents Information Log

Digestion Batch ID: MP58 DATE: 10/20/25

Matrix: ALL

Standard/Reagent Type	Exp. Date	Standard/Reagent ID
Spiking Solution- (ACCUTEST 13A REV1)	4/2/2026	MP-21-58-281
Spiking Solution- (ACCUTEST 14A REV1)	4/2/2026	MP-21-58-280
Spiking Solution - 5000 mg/l Minerals	11/13/2025	2322102-ILEE MFG: ENVI EXPRESS
Spiking Solution - Sulfur 1000ppm	4/17/2026	LOT: 0630226 MFG: ABS STANDARDS
Spiking Solution - Si 1000ppm	1/11/2026	LOT: MA-INTER-071125-3 MFG: INO. VENT.
Spiking Solution - Bi 1000ppm	11/5/2025	LOT: T2-BI725283 MFG: INO.VENT.
Spiking Solution - Se 20ppm	4/29/2026	MP-21-58-272
Spiking Solution - Li 1000ppm	2/28/2026	LOT: UN3264 MFG: RICCA
Spiking Solution- Ag 20 ppm	4/2/2026	MP-21-58-279
Spiking Solution - (ACCUTEST 13B REV1)	2/21/2026	MP-21-58-275
Spiking Solution - (ACCUTEST 14B REV1)	1/30/2026	MP-21-58-268
Spiking Solution - 1000ppm Minerals	1/30/2026	MP-21-58-269
Nitric Acid	12/30/2025	LOT:24007769 MFG: FISHER
Nitric Acid (1:1)	1/21/2026	MP-21-60-353 MFG: FISHER
Hydrochloric Acid	3/17/2029	LOT:24D1562005 MFG: J.T BAKER
Hydrochloric Acid (1:1)	1/21/2026	MP-21-60-354 1:1 HCL MFG: FISHER
Hydrogen Peroxide	7/30/2026	LOT: 233975 MFG: FISHER
Soil Lab Control/Soil LC	11/26/2025	LOT: 681022m MFG: ERA
Teflon Chips(For Soil MB and Blank Spike)	N/A	LOT: 27407287 MFG: SAINT-GOBAIN
Digestion Tubes 50mL	N/A	LOT: LV24010607 MFG: ENV. EXPRESS
Digestion Tubes 100mL	N/A	LOT: 2206050 MFG: ENV. EXPRESS
pH Paper	1/15/2028	LOT: 202325 MFG: HYDRION
Filter paper Q8	N/A	LOT: 17607330 MFG: FISHER

Spike witnessed By: ZG

metals digestion reagents information log 2022.xls
1/17/18

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries
- Instrument Runlogs/QC

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Alkalinity, Total as CaCO3	GN74973	5.0	0.0	mg/l				
Alkalinity, Total as CaCO3	GN74973	5.0	0.0	mg/l	250	250	100.0	90-110%
Alkalinity, Total as CaCO3	GN74973			mg/l	50	45.5	91.0	90-110%
Alkalinity, Total as CaCO3	GN74973			mg/l	250	247	98.8	90-110%
Alkalinity, Total as CaCO3	GN74973			mg/l	50	47.7	95.4	90-110%
Chloride	GP64893/GN75008	2.0	0.0	mg/l	80	85.2	106.5	90-110%
Nitrogen, Nitrate + Nitrite	GP65048/GN75322	0.10	0.0	mg/l	2	1.97	98.5	90-110%
Nitrogen, Nitrite	GN74707	0.010	0.0	mg/l	0.04	0.040	100.0	90-110%
Nitrogen, Total Kjeldahl	GP64911/GN75054	0.20	0.18	mg/l	3	3.04	101.3	90-110%
Sulfate	GP64893/GN75008	2.0	1.1	mg/l	80	87.2	109.0	90-110%
Sulfide	GN74863			mg/l	5.4	5.4	100.0	80-120%
Sulfide	GN74863	2.0	0.0	mg/l	10.8	10.8	100.0	80-120%
Total Organic Carbon	GP64841/GN74989	1.0	0.0	mg/l	10	10.6	106.0	90-110%

Associated Samples:
Batch GN74707: JE21034-1, JE21034-6
Batch GN74863: JE21034-1, JE21034-6
Batch GN74973: JE21034-1, JE21034-6
Batch GP64841: JE21034-1, JE21034-6
Batch GP64893: JE21034-1, JE21034-6
Batch GP64911: JE21034-1, JE21034-6
Batch GP65048: JE21034-1, JE21034-6
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Alkalinity, Total as CaCO3	GN74973	JE21034-1	mg/l	458	459	0.2	0-10%
Nitrogen, Nitrate + Nitrite	GP65048/GN75322	JE20825-1	mg/l	0.0	0.0	0.0	0-20%
Nitrogen, Total Kjeldahl	GP64911/GN75054	JE21309-1	mg/l	0.0	0.18	200.0(a)	0-20%
Sulfide	GN74863	JE21034-6	mg/l	0.0	0.0	0.0	0-12%

Associated Samples:
Batch GN74863: JE21034-1, JE21034-6
Batch GN74973: JE21034-1, JE21034-6
Batch GP64911: JE21034-1, JE21034-6
Batch GP65048: JE21034-1, JE21034-6
(*) Outside of QC limits
(a) RPD acceptable due to low duplicate and sample concentrations.

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Chloride	GP64893/GN75060	JE20825-1	mg/l	441	80	524	103.8	80-120%
Nitrogen, Nitrate + Nitrite	GP65048/GN75322	JE20825-1	mg/l	0.0	2	1.7	85.0N(a)	90-110%
Nitrogen, Nitrite	GN74707	JE20993-4	mg/l	0.0058	0.04	0.046	100.5	22-140%
Nitrogen, Total Kjeldahl	GP64911/GN75054	JE21309-1	mg/l	0.0	3	2.9	96.7	90-110%
Sulfate	GP64893/GN75008	JE20825-1	mg/l	17.6	80	101	104.3	80-120%
Sulfide	GN74863	JE21034-1	mg/l	0.50	5.4	5.9	100.0	37-135%
Total Organic Carbon	GP64841/GN74989	JE21034-1	mg/l	2.2	10	13.4	112.0	85-115%

Associated Samples:
Batch GN74707: JE21034-1, JE21034-6
Batch GN74863: JE21034-1, JE21034-6
Batch GP64841: JE21034-1, JE21034-6
Batch GP64893: JE21034-1, JE21034-6
Batch GP64911: JE21034-1, JE21034-6
Batch GP65048: JE21034-1, JE21034-6
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Spike recovery indicates possible matrix interference.

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MSD Result	RPD	QC Limit
Chloride	GP64893/GN75060	JE20825-1	mg/l	441	80	544	3.7	20%
Nitrogen, Nitrite	GN74707	JE20993-4	mg/l	0.0058	0.04	0.046	0.0	20%
Sulfate	GP64893/GN75008	JE20825-1	mg/l	17.6	80	103	2.0	20%
Total Organic Carbon	GP64841/GN74989	JE21034-1	mg/l	2.2	10	13.2	1.5	15%

Associated Samples:
Batch GN74707: JE21034-1, JE21034-6
Batch GP64841: JE21034-1, JE21034-6
Batch GP64893: JE21034-1, JE21034-6
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: G251017W1.TXT Date Analyzed: 10/17/25 Methods: SM5310 B-11, SM5310 B-11/14
Analyst: MB Run ID: GN74989
Parameters: Total Organic Carbon

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:28	GN74989-STD1	1		STDA
14:39	GN74989-STD2	1		STDB
15:50	GN74989-STD3	1		STDC
16:48	GN74989-STD4	1		STDD
17:59	GN74989-STD5	1		STDE
19:11	GN74989-STD6	1		STDF
20:10	GN74989-STD7	1		STDG
21:10	GN74989-STD8	1		STDH
11:42	ZZZZZZ	1		
13:03	GN74989-CRI1	1		
14:45	GN74989-HSTD1	1		
15:10	GN74989-ICV1	1		
15:44	GN74989-ICB1	1		
16:08	GN74989-CCV1	1		
16:38	GN74989-CCB1	1		
17:03	ZZZZZZ	1		
17:28	GP64810-MB1	1		
19:00	GP64810-B1	1		
19:44	GP64810-B2	1		
20:04	JE21106-4	1		(sample used for QC only; not part of login JE21034)
20:27	GP64810-S1	1		
20:49	GP64810-MSD1	1		
21:10	ZZZZZZ	1		
21:31	ZZZZZZ	1		
21:55	ZZZZZZ	1		
22:15	GN74989-CCVA1	1		
22:42	GN74989-CCB2	1		
23:02	ZZZZZZ	1		
23:26	ZZZZZZ	1		
23:49	ZZZZZZ	1		
00:11	ZZZZZZ	1		
00:34	GP64811-MB1	1		
00:54	GP64811-B1	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: G251017W1.TXT Date Analyzed: 10/17/25 Methods: SM5310 B-11, SM5310 B-11/14
Analyst: MB Run ID: GN74989
Parameters: Total Organic Carbon

Time	Sample Description	Dilution Factor	PS Recov	Comments
01:22	JE21106-1	1		(sample used for QC only; not part of login JE21034)
01:43	GP64811-S1	1		
02:06	GP64811-MSD1	1		
02:27	ZZZZZZ	1		
02:49	GN74989-CCV2	1		
03:13	GN74989-CCB3	1		
03:38	ZZZZZZ	1		
03:59	ZZZZZZ	1		
04:24	ZZZZZZ	1		
04:47	ZZZZZZ	1		
05:11	ZZZZZZ	1		
05:35	ZZZZZZ	1		
05:58	GP64841-MB1	1		
06:19	GP64841-B1	1		
06:43	JE21034-1	1		
07:07	GP64841-S1	1		
07:29	GN74989-CCVA2	1		
07:54	GN74989-CCB4	1		
08:17	GP64841-MSD1	1		
08:39	JE21034-6	1		
09:08	ZZZZZZ	1		
09:37	ZZZZZZ	1		
10:01	ZZZZZZ	1		
10:24	ZZZZZZ	1		
10:46	GN74989-CCV3	1		
11:13	GN74989-CCB5	1		
11:34	ZZZZZZ	1		
11:01	GN74989-CCVA3	1		
11:25	GN74989-CCB6	1		
11:49	ZZZZZZ	20		
12:13	GN74989-CCV4	1		
12:37	GN74989-CCB7	1		
13:00	ZZZZZZ	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: G251017W1.TXT Date Analyzed: 10/17/25 Methods: SM5310 B-11, SM5310 B-11/14
Run ID: GN74989 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN74989-CRI1	Total Organic Carbon	1.02	1.0	0.72	1	102.0	70-130
GN74989-HSTD1	Total Organic Carbon	50.1	1.0	0.72	50	100.2	90-110
GN74989-ICV1	Total Organic Carbon	19.4	1.0	0.72	20	97.0	90-110
GN74989-ICB1	Total Organic Carbon	0.72 U	1.0	0.72			
GN74989-CCV1	Total Organic Carbon	25.8	1.0	0.72	25	103.2	90-110
GN74989-CCB1	Total Organic Carbon	0.72 U	1.0	0.72			
GN74989-CCVA1	Total Organic Carbon	53.5	1.0	0.72	50	107.0	
GN74989-CCB2	Total Organic Carbon	0.72 U	1.0	0.72			
GN74989-CCV2	Total Organic Carbon	27.3	1.0	0.72	25	109.2	90-110
GN74989-CCB3	Total Organic Carbon	0.72 U	1.0	0.72			
GN74989-CCVA2	Total Organic Carbon	53.5	1.0	0.72	50	107.0	
GN74989-CCB4	Total Organic Carbon	0.72 U	1.0	0.72			
GN74989-CCV3	Total Organic Carbon	27.2	1.0	0.72	25	108.8	90-110
GN74989-CCB5	Total Organic Carbon	0.72 U	1.0	0.72			
GN74989-CCVA3	Total Organic Carbon	50.8	1.0	0.72	50	101.6	
GN74989-CCB6	Total Organic Carbon	0.72 U	1.0	0.72			
GN74989-CCV4	Total Organic Carbon	26.8	1.0	0.72	25	107.2	90-110
GN74989-CCB7	Total Organic Carbon	0.72 U	1.0	0.72			

(!) Outside of QC limits

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: F25102001.TXT Date Analyzed: 10/15/25 Methods: EPA 300/SW846 9056A
Analyst: MS Run ID: GN75008
Parameters: Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:12	GN75008-STD1	1		STDA
11:25	GN75008-STD2	1		STDC
11:38	GN75008-STD3	1		STDD
11:51	GN75008-STD4	1		STDE
12:04	GN75008-STD5	1		STDF
12:17	GN75008-STD6	1		STDG
12:29	GN75008-ICV1	1		
12:42	ZZZZZZ	1		
12:54	ZZZZZZ	1		
13:07	ZZZZZZ	1		
13:20	GN75008-CCV1	1		
13:33	GN75008-CCB1	1		
19:28	ZZZZZZ	4		
19:41	ZZZZZZ	5		
19:54	ZZZZZZ	6		
20:07	ZZZZZZ	3		
20:19	ZZZZZZ	10		
20:32	ZZZZZZ	10		
20:45	GP64893-MB1	1		
20:58	GP64893-B1	1		
21:11	GP64893-S1	1		
21:24	GP64893-MSD1	1		
21:37	GN75008-CCV2	1		
21:50	GN75008-CCB2	1		
22:03	JE20825-1	1		(sample used for QC only; not part of login JE21034)
22:16	ZZZZZZ	1		
22:29	ZZZZZZ	1		
22:42	ZZZZZZ	1		
22:55	ZZZZZZ	1		
23:07	ZZZZZZ	5		
23:20	ZZZZZZ	1		
23:33	ZZZZZZ	1		
23:46	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: F25102001.TXT Date Analyzed: 10/15/25 Methods: EPA 300/SW846 9056A
Analyst: MS Run ID: GN75008
Parameters: Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
23:59	ZZZZZZ	1		
00:12	GN75008-CCV3	1		
00:25	GN75008-CCB3	1		
00:38	ZZZZZZ	1		
00:51	ZZZZZZ	1		
01:04	ZZZZZZ	1		
01:17	ZZZZZZ	1		
01:30	ZZZZZZ	1		
01:43	ZZZZZZ	1		
01:55	ZZZZZZ	1		
02:08	ZZZZZZ	1		
02:21	JE21034-1	1		
13:23	JE21034-6	1		
13:36	GN75008-CCV4	1		
13:52	GN75008-CCB4	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: F25102001.TXT Date Analyzed: 10/15/25 Methods: EPA 300/SW846 9056A
Run ID: GN75008 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN75008-ICV1	Sulfate	98.2	2.0	0.89	100	98.2	90-110
GN75008-CCV1	Sulfate	204	2.0	0.89	200	102.0	90-110
GN75008-CCB1	Sulfate	0.966	2.0	0.89			
GN75008-CCV2	Sulfate	204	2.0	0.89	200	102.0	90-110
GN75008-CCB2	Sulfate	0.89 U	2.0	0.89			
GN75008-CCV3	Sulfate	202	2.0	0.89	200	101.0	90-110
GN75008-CCB3	Sulfate	0.89 U	2.0	0.89			
GN75008-CCV4	Sulfate	206	2.0	0.89	200	103.0	90-110
GN75008-CCB4	Sulfate	0.89 U	2.0	0.89			

(!) Outside of QC limits

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: E102125W1.TKN Date Analyzed: 10/21/25 Methods: EPA 351.2 M/LACHAT, EPA 351.2/LACHAT
Analyst: SS Run ID: GN75054
Parameters: Nitrogen, Total Kjeldahl

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:04	GN75054-STD1	1		STDA
16:05	GN75054-STD2	1		STDB
16:06	GN75054-STD3	1		STDC
16:07	GN75054-STD4	1		STDD
16:08	GN75054-STD5	1		STDE
16:09	GN75054-STD6	1		STDF
16:10	GN75054-STD7	1		STDG
16:11	GN75054-STD8	1		STDH
16:11	GN75054-ICV1	1		
16:12	GN75054-ICB1	1		
16:13	GN75054-CCV1	1		
16:14	GN75054-CCB1	1		
16:47	GN75054-CCV2	1		
16:48	GN75054-CCB2	1		
16:51	GP64911-S1	1		
16:52	GP64911-D1	1		
16:53	JE21309-1	1		(sample used for QC only; not part of login JE21034)
16:54	ZZZZZZ	1		
16:55	GP64911-MB1	1		
16:55	GP64911-B1	1		
16:56	ZZZZZZ	1		
16:57	ZZZZZZ	1		
16:58	GN75054-CCV3	1		
16:59	GN75054-CCB3	1		
17:00	ZZZZZZ	1		
17:01	ZZZZZZ	1		
17:02	ZZZZZZ	1		
17:03	JE21034-1	1		
17:03	JE21034-6	1		
17:04	ZZZZZZ	1		
17:05	ZZZZZZ	1		
17:06	ZZZZZZ	1		
17:07	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: E102125W1.TKN Date Analyzed: 10/21/25 Methods: EPA 351.2 M/LACHAT, EPA 351.2/LACHAT
Analyst: SS Run ID: GN75054
Parameters: Nitrogen, Total Kjeldahl

Time	Sample Description	Dilution Factor	PS Recov	Comments
17:08	ZZZZZZ	1		
17:09	GN75054-CCV4	1		
17:10	GN75054-CCB4	1		
17:11	ZZZZZZ	1		
17:12	GP64912-MB1	1		
17:12	GP64912-B1	1		
17:13	GP64912-S1	1		
17:14	GP64912-D1	1		
17:15	JE21129-1	1		(sample used for QC only; not part of login JE21034)
17:16	ZZZZZZ	3		
17:19	GN75054-CCV5	1		
17:20	GN75054-CCB5	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: E102125W1.TKN Date Analyzed: 10/21/25 Methods: EPA 351.2 M/LACHAT, EPA 351.2/LACHAT
Run ID: GN75054 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN75054-ICV1	Nitrogen, Total Kjeldahl	2.97	0.20	0.14	3	99.0	90-110
GN75054-ICB1	Nitrogen, Total Kjeldahl	0.14 U	0.20	0.14			
GN75054-CCV1	Nitrogen, Total Kjeldahl	2.82	0.20	0.14	3	94.0	90-110
GN75054-CCB1	Nitrogen, Total Kjeldahl	0.14 U	0.20	0.14			
GN75054-CCV2	Nitrogen, Total Kjeldahl	2.89	0.20	0.14	3	96.3	90-110
GN75054-CCB2	Nitrogen, Total Kjeldahl	0.14 U	0.20	0.14			
GN75054-CCV3	Nitrogen, Total Kjeldahl	2.86	0.20	0.14	3	95.3	90-110
GN75054-CCB3	Nitrogen, Total Kjeldahl	0.14 U	0.20	0.14			
GN75054-CCV4	Nitrogen, Total Kjeldahl	2.86	0.20	0.14	3	95.3	90-110
GN75054-CCB4	Nitrogen, Total Kjeldahl	0.14 U	0.20	0.14			
GN75054-CCV5	Nitrogen, Total Kjeldahl	2.86	0.20	0.14	3	95.3	90-110
GN75054-CCB5	Nitrogen, Total Kjeldahl	0.14 U	0.20	0.14			

(!) Outside of QC limits

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: D102725W1.NO32 Date Analyzed: 10/27/25 Methods: EPA 353.2 M/LACHAT, EPA 353.2/LACHAT
Analyst: JD Run ID: GN75322
Parameters: Nitrogen, Nitrate + Nitrite

Time	Sample Description	Dilution Factor	PS Recov	Comments
18:52	GN75322-STD1	1		STDA
18:53	GN75322-STD2	1		STDB
18:54	GN75322-STD3	1		STDC
18:56	GN75322-STD4	1		STDD
18:57	GN75322-STD5	1		STDE
18:58	GN75322-STD6	1		STDF
18:59	GN75322-STD7	1		STDG
19:00	GN75322-STD8	1		STDH
19:06	ZZZZZZ	1		
19:08	GN75322-ICV1	1		
19:09	GN75322-ICB1	1		
19:10	GN75322-CCV1	1		
19:12	GN75322-CCB1	1		
19:13	GP65046-MB1	1		
19:14	GP65046-B1	1		
19:15	GP65046-D1	1		
19:16	JD76649-2P	1		(sample used for QC only; not part of login JE21034)
19:17	ZZZZZZ	1		
19:18	GP65048-MB1	1		
19:19	GP65048-B1	1		
19:21	GP65048-S1	1		
19:22	GP65048-S2	1		
19:23	GP65048-D1	1		
19:24	GN75322-CCV2	1		
19:25	GN75322-CCB2	1		
19:26	JE20825-1	1		(sample used for QC only; not part of login JE21034)
19:27	JE20825-3	1		(sample used for QC only; not part of login JE21034)
19:28	ZZZZZZ	1		
19:30	ZZZZZZ	1		
19:31	ZZZZZZ	1		
19:32	ZZZZZZ	1		
19:33	ZZZZZZ	1		
19:34	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: D102725W1.NO32 Date Analyzed: 10/27/25 Methods: EPA 353.2 M/LACHAT, EPA 353.2/LACHAT
Analyst: JD Run ID: GN75322
Parameters: Nitrogen, Nitrate + Nitrite

Time	Sample Description	Dilution Factor	PS Recov	Comments
19:35	ZZZZZZ	1		
19:36	ZZZZZZ	1		
19:37	GN75322-CCV3	1		
19:39	GN75322-CCB3	1		
19:40	ZZZZZZ	1		
19:41	ZZZZZZ	1		
19:42	ZZZZZZ	1		
19:43	ZZZZZZ	1		
19:44	ZZZZZZ	1		
19:45	ZZZZZZ	1		
19:46	ZZZZZZ	1		
19:48	ZZZZZZ	1		
19:49	JE21034-1	1		
19:50	JE21034-6	1		
19:51	GN75322-CCV4	1		
19:52	GN75322-CCB4	1		
19:53	GP65053-MB1	1		
19:54	GP65053-B1	1		
19:55	GP65053-S1	1		
19:57	GP65053-S2	1		
19:58	GP65053-D1	1		
19:59	JE21412-1	1		(sample used for QC only; not part of login JE21034)
20:00	JE21412-2	1		(sample used for QC only; not part of login JE21034)
20:01	ZZZZZZ	1		
20:02	ZZZZZZ	1		
20:03	ZZZZZZ	1		
20:04	GN75322-CCV5	1		
20:05	GN75322-CCB5	1		
20:07	ZZZZZZ	1		
20:08	ZZZZZZ	1		
20:09	ZZZZZZ	1		
20:10	ZZZZZZ	1		
20:11	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: D102725W1.NO32 Date Analyzed: 10/27/25 Methods: EPA 353.2 M/LACHAT, EPA 353.2/LACHAT
Analyst: JD Run ID: GN75322
Parameters: Nitrogen, Nitrate + Nitrite

Time	Sample Description	Dilution Factor	PS Recov	Comments
20:12	ZZZZZZ	1		
20:13	ZZZZZZ	1		
20:14	ZZZZZZ	1		
20:16	ZZZZZZ	1		
20:17	ZZZZZZ	1		
20:18	GN75322-CCV6	1		
20:19	GN75322-CCB6	1		
20:20	ZZZZZZ	1		
20:21	ZZZZZZ	1		
20:22	ZZZZZZ	1		
20:23	ZZZZZZ	1		
20:25	ZZZZZZ	1		
20:26	GP65054-MB1	1		
20:28	GP65054-S1	1		
20:29	GP65054-D1	1		
20:30	DA76441-1	1		(sample used for QC only; not part of login JE21034)
20:31	GN75322-CCV7	1		
20:32	GN75322-CCB7	1		
20:34	GP65054-B1	1		
20:35	ZZZZZZ	1		
20:36	ZZZZZZ	1		
20:37	ZZZZZZ	1		
20:38	ZZZZZZ	1		
20:39	ZZZZZZ	1		
20:40	ZZZZZZ	1		
20:41	ZZZZZZ	1		
20:43	GP65055-MB1	1		
20:44	GP65055-B1	1		
20:45	GN75322-CCV8	1		
20:46	GN75322-CCB8	1		
20:47	GP65055-S1	1		
20:48	GP65055-D1	1		
20:49	JE19853-3R	1		(sample used for QC only; not part of login JE21034)

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: D102725W1.NO32 Date Analyzed: 10/27/25 Methods: EPA 353.2 M/LACHAT, EPA 353.2/LACHAT
Analyst: JD Run ID: GN75322
Parameters: Nitrogen, Nitrate + Nitrite

Time	Sample Description	Dilution Factor	PS Recov	Comments
20:50	ZZZZZZ	1		
20:52	ZZZZZZ	1		
20:53	ZZZZZZ	1		
20:54	ZZZZZZ	1		
20:55	ZZZZZZ	1		
20:56	ZZZZZZ	1		
20:57	ZZZZZZ	1		
20:58	GN75322-CCV9	1		
20:59	GN75322-CCB9	1		
21:01	ZZZZZZ	1		
21:02	ZZZZZZ	1		
21:03	ZZZZZZ	1		
21:04	ZZZZZZ	1		
21:05	ZZZZZZ	1		
21:06	ZZZZZZ	1		
21:07	ZZZZZZ	1		
21:10	ZZZZZZ	2		
21:11	ZZZZZZ	2		
21:12	ZZZZZZ	3		
21:13	GN75322-CCV10	1		
21:15	GN75322-CCB10	1		
21:16	ZZZZZZ	4		
21:17	ZZZZZZ	8		
21:18	ZZZZZZ	24		
21:19	ZZZZZZ	3		
21:22	GN75322-CCV11	1		
21:23	GN75322-CCB11	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: JE21034
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: D102725W1.NO32 Date Analyzed: 10/27/25 Methods: EPA 353.2 M/LACHAT, EPA 353.2/LACHAT
Run ID: GN75322 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN75322-ICV1	Nitrogen, Nitrate + Nitrite	1.82	0.10	0.090	2	91.0	90-110
GN75322-ICB1	Nitrogen, Nitrate + Nitrite	0.090 U	0.10	0.090			
GN75322-CCV1	Nitrogen, Nitrate + Nitrite	2.43	0.10	0.090	2.5	97.2	90-110
GN75322-CCB1	Nitrogen, Nitrate + Nitrite	0.090 U	0.10	0.090			
GN75322-CCV2	Nitrogen, Nitrate + Nitrite	2.37	0.10	0.090	2.5	94.8	90-110
GN75322-CCB2	Nitrogen, Nitrate + Nitrite	0.090 U	0.10	0.090			
GN75322-CCV3	Nitrogen, Nitrate + Nitrite	2.47	0.10	0.090	2.5	98.8	90-110
GN75322-CCB3	Nitrogen, Nitrate + Nitrite	0.090 U	0.10	0.090			
GN75322-CCV4	Nitrogen, Nitrate + Nitrite	2.37	0.10	0.090	2.5	94.8	90-110
GN75322-CCB4	Nitrogen, Nitrate + Nitrite	0.090 U	0.10	0.090			
GN75322-CCV5	Nitrogen, Nitrate + Nitrite	2.59	0.10	0.090	2.5	103.6	90-110
GN75322-CCB5	Nitrogen, Nitrate + Nitrite	0.090 U	0.10	0.090			
GN75322-CCV6	Nitrogen, Nitrate + Nitrite	2.71	0.10	0.090	2.5	108.4	90-110
GN75322-CCB6	Nitrogen, Nitrate + Nitrite	0.090 U	0.10	0.090			
GN75322-CCV7	Nitrogen, Nitrate + Nitrite	2.63	0.10	0.090	2.5	105.2	90-110
GN75322-CCB7	Nitrogen, Nitrate + Nitrite	0.090 U	0.10	0.090			
GN75322-CCV8	Nitrogen, Nitrate + Nitrite	2.54	0.10	0.090	2.5	101.6	90-110
GN75322-CCB8	Nitrogen, Nitrate + Nitrite	0.090 U	0.10	0.090			
GN75322-CCV9	Nitrogen, Nitrate + Nitrite	2.53	0.10	0.090	2.5	101.2	90-110
GN75322-CCB9	Nitrogen, Nitrate + Nitrite	0.090 U	0.10	0.090			
GN75322-CCV10	Nitrogen, Nitrate + Nitrite	2.53	0.10	0.090	2.5	101.2	90-110
GN75322-CCB10	Nitrogen, Nitrate + Nitrite	0.090 U	0.10	0.090			
GN75322-CCV11	Nitrogen, Nitrate + Nitrite	2.56	0.10	0.090	2.5	102.4	90-110
GN75322-CCB11	Nitrogen, Nitrate + Nitrite	0.090 U	0.10	0.090			

(!) Outside of QC limits

General Chemistry

Raw Data

Test: Nitrogen, Nitrite
Product: NO2
Method: SM4500NO2 B-11 (Aqueous) ◉ Units: mg/l
SM4500NO2 B-11 M (Solids) ○ mg/kg

Analyst: GRACETA
GN Batch ID: GN74707
GP Batch ID: NA
Date: 10/14/2025
Instrument ID: Pipet II GLASS PIPETTE CLASS A

Original Calibration Information Calibration Date: 8/8/2025

	Blank	Std 1	Std 2	Std 3	Std 4	Std 5	Std 6	Std 7
Known:	0.000	0.010	0.025	0.050	0.075	0.100	0.200	
Absorbance:	0.000	0.036	0.086	0.171	0.255	0.349	0.675	
Actual Value:	#DIV/0!	0.010	0.025	0.050	0.075	0.103	0.199	
% RE:	#DIV/0!	0.36	1.02	0.25	0.39	-2.50	0.56	

Continuing Calibration Check Standards Data: 10/14/2025

	Blank	Std 1	Std 6
Known:	0.000	0.010	0.200
Absorbance:	0.000	0.037	0.682
Recovery:	0.0%	102.6%	100.5%
Actual Value:	0.000	0.010	0.201

Correlation Coeff. = 0.99986
Slope = 0.29565
Intercept = -0.00068

Bottle #	Sample ID	Time Analyzed	Initial Wt (g) or Vol (ml)	Final Vol (ml)	Dilution	Sample	Background Abs.	Result From Curve (mg/L)	Final Result	DL	Units	Factor	pH between 5 and 9 (Y or N)
	ICV	7:20	50	50	1	0.352	NA	0.103	0.103	NA	mg/l	NA	
	CCV	7:21	50	50	1	0.355	NA	0.104	0.104	NA	mg/l	NA	
	CCB	7:22	50	50	1	0.001	NA	0.000	0.000	NA	mg/l	NA	
	GN74707-MB1	7:36	50	50	1	0.001	0.000	0.000	0.000	0.010	mg/l	1	
	GN74707-B1	7:36	50	50	1	0.137	0.000	0.040	0.040	0.010	mg/l	1	
	GN74707-S1	7:36	50	50	1	0.157	0.000	0.046	0.046	0.010	mg/l	1	
	GN74707-MSD1	7:36	50	50	1	0.159	0.000	0.046	0.046	0.010	mg/l	1	
14	JE20993-4	7:36	50	50	1	0.022	0.000	0.006	0.006	0.010	mg/l	1	Y
6	JE21000-1	7:36	50	50	1	0.036	0.000	0.010	0.010	0.010	mg/l	1	Y
6	JE21000-2	7:36	50	50	1	0.052	0.005	0.013	0.013	0.010	mg/l	1	Y
14	JE21006-4	7:36	50	50	1	0.001	0.000	0.000	0.000	0.010	mg/l	1	Y
		7:36	50	50	1								
		7:36	50	50	1								
	CCVA	7:36	50	50	1	0.680	NA	0.200	0.200	NA	mg/l	NA	
	CCB	7:37	50	50	1	0.001	NA	0.000	0.000	NA	mg/l	NA	
10	JE21034-1	12:19	50	50	1	0.001	0.000	0.000	0.000	0.010	mg/l	1	Y
10	JE21034-2	12:19	50	50	1	0.001	0.000	0.000	0.000	0.010	mg/l	1	Y
10	JE21034-6	12:19	50	50	1	0.016	0.000	0.004	0.004	0.010	mg/l	1	Y
1	JD76649-2P	12:19	50	50	1	0.001	0.000	0.000	0.000	0.010	mg/l	1	Y
		12:19	50	50	1								
		12:19	50	50	1								
		12:19	50	50	1								
	JE8000-44C	12:19	50	50	1	0.036	0.000	0.010	0.010	0.010	mg/l	1	Y
		12:19	50	50	1								
		12:19	50	50	1								
	CCV	12:19	50	50	1	0.351	NA	0.103	0.103	NA	mg/l	NA	
	CCB	12:20	50	50	1	0.001	NA	0.000	0.000	NA	mg/l	NA	
			50	50	1								
			50	50	1								
			50	50	1								
			50	50	1								
			50	50	1								
			50	50	1								
			50	50	1								
			50	50	1								
			50	50	1								
			50	50	1								
	CCVA		50	50	1		NA			NA		NA	
	CCB		50	50	1		NA			NA		NA	

Analyst: GT Date: 10/15/25 QC Reviewer: _____ Date: _____

SGS

Test: **Nitrogen, Nitrite**
Product: **NO2**
Method: **SM18 4500 NO2B (aqueous)**
SM18 4500 NO2B M (solids)

Units: (mg/l) mg/kg

Analyst: GRACETA
GNBatch ID: GN74707
GPBatch ID: NA
Date: 10/14/25

Preparation Batch QC Summary Units = mg/l

Method Blank ID: MB1 Date: 10/14/25 Result: 0.00 DL: 0.01 <DL: Y
Spike Blank ID: B1 Date: 10/14/25 Result: 0.040 Spike: 0.04 %Rec.: 100%
MS ID: S1 Samp. Result: 0.046 MS Result: 0.046 Spike: 0.04 %Rec: 100%
MSDUP ID: MSD1 Samp. Result: 0.046 MSDUP Result: 0.046 Spike: 0.04 %Rec: 100%
MSDUP ID: MSD1 MSDUP Result: 0.046 MS Result: 0.046 %RPD: 0.0%

Method Blank ID: MB2 Date: Result: DL: 0.01
Spike Blank ID: B2 Date: Result: Spike: 0.04 %Rec.:
MS ID: S2 Samp. Result: MS Result: Spike: 0.04 %Rec:
MSDUP ID: MSD2 Samp. Result: MSDUP Result: Spike: 0.04 %Rec:
MSDUP ID: MSDUP Result: MS Result: %RPD:

Analysis Batch QC Summary Units = mg/l

ICV (Ext): 10/14/25 7:20 Result: 0.103 TV: 0.1 %Rec: 103%

CCV: 10/14/25 7:21 Result: 0.104 TV: 0.1 %Rec.: 104%
CCVA: 10/14/25 7:36 Result: 0.200 TV: 0.2 %Rec.: 100%
CCV: 10/14/25 12:19 Result: 0.103 TV: 0.1 %Rec.: 103%
CCVA: Result: TV: 0.2 %Rec.:
CCV: Result: TV: 0.1 %Rec.:
CCVA: Result: TV: 0.2 %Rec.:

CCB: 10/14/25 7:22 Result: 0.00 DL: 0.01 <DL: Y
CCB: 10/14/25 7:37 Result: 0.00 DL: 0.01 <DL: Y
CCB: 10/14/25 12:20 Result: 0.00 DL: 0.01 <DL: Y
CCB: Result: DL: <DL:
CCB: Result: DL: <DL:
CCB: Result: DL: <DL:

Reagent Reference Numbers:
QC------BS/MS/MSD------2 ML OF 1 PPM NO2 STD -- 50 ML DI/H2O/SAMPLE ---- TV 0.04 MG/L (standard)
MS/MSD SAMPLE NO --- QC1 = JE20993-4
QC2 =

* SIGN SAMPLE FILTERED IN LAB

Analyst: GRACETA Date: 10/15/25

Comments:

Form: GN032-01
Rev. Date:9/4/09]

SGS

GENERAL CHEMISTRY STANDARD PREPARATION LOG

Product: NO2

GN or GP Number: GN74707

Standard	Manufacturer/Lot Number	Concentration	Expiration Date
1000 mg/l Nitrite Standard	ERA LOT# 750524M (std)	1000 PPM	5/22/2026
1000 mg/l Nitrite Standard (ICV)	ERA LOT# 115123 M(ext)	1000 PPM	11/13/2025

Standard Description	Lot or Tracking #	Initial Volume	Standard Used	Autopipet ID	Diluent	Final Volume	Final Concentration	Expiration Date	Analyst	Date
10 PPM NO2 STANDARD	GNE10-79784-NO2(STD)	1.0 ml	1000 mg/l Nitrite Standard	A	DI water	100 ml	10 mg/l	10/14/2025	GT	10/14/2025
1 PPM NO2 STANDARD	GNE10-79785-NO2(STD)	10.0 ml	10 PPM NO2 STANDARD	A	DI water	100 ml	1 mg/L	10/14/2025	GT	10/14/2025
10 PPM NO2 EXTERNAL	GNE10-79786-NO2(EXT)	1.0 ml	Nitrite Standard (ICV)	A	DI water	100 ml	10 mg/l	10/14/2025	GT	10/14/2025
1 PPM NO2 EXTERNAL	GNE10-79787-NO2(EXT)	10.0 ml	10 PPM NO2 EXTERNAL	A	DI water	100 ml	1 mg/l	10/14/2025	GT	10/14/2025

Standard Description	GNE12-73399-NO2	Initial Volume	Concentration of Standard Used	Autopipet ID	Diluent	Final Volume	Final Concentration	Expiration Date	Analyst	Date
0.2 mg/L (high)	GNE10-79785-NO2(STD)	20.0 ml	1.0 mg/L	A	DI water	100 ml	0.2 mg/L	10/14/2025	GT	10/14/2025
0.1 mg/L	GNE10-79785-NO2(STD)	10.0 ml	1.0 mg/L	A	DI water	100 ml	0.1 mg/L	10/14/2025	GT	10/14/2025
0.075 mg/L	GNE10-79785-NO2(STD)	7.5 ml	1.0 mg/L	A	DI water	100 ml	0.075 mg/L			
0.05 mg/L	GNE10-79785-NO2(STD)	5.0 ml	1.0 mg/L	A	DI water	100 ml	0.05 mg/L			
0.025 mg/L	GNE10-79785-NO2(STD)	2.5 ml	1.0 mg/L	A	DI water	100 ml	0.025 mg/L			
0.01 mg/L (low)	GNE10-79785-NO2(STD)	1.0 ml	1.0 mg/L	A	DI water	100 ml	0.01 mg/L			
0 mg/L	NA	NA	NA	NA	NA	100 ml	NA	10/14/2025	GT	10/14/2025
CCV	GNE10-79785-NO2(STD)	10.0 ml	1.0 mg/L	A	DI water	100 ml	0.1 mg/L	10/14/2025	GT	10/14/2025
CCVA	GNE10-79785-NO2(STD)	20.0 ml	1.0 mg/L	A	DI water	100 ml	0.2 mg/L	10/14/2025	GT	10/14/2025
ICV	GNE10-79787-NO2(EXT)	10.0 ml	1.0 mg/L	A	DI water	100 ml	0.1 mg/L	10/14/2025	GT	10/14/2025

* If Class A glass pipets are used, enter an A. For balances or autopipets, then enter the appropriate Accutest ID number. A

Form: GN121-01
Rev. Date: 1/13/09

MDL Schedule Log

Product: NO_2

Matrix: AQ

Instrument: Spec N

Sample #: JE8000-44C MDL or (MDLVER) x 1

Concentration: 0.01 (mg/L) or mg/kg or _____

Prep: 1 mL of 1 ppm NO_2 stock solution diluted to 100 mL with DI H_2O

Sample #: _____ MDL or MDLVER x _____

Concentration: _____ mg/L or mg/kg or _____

Prep: _____

_____

Date: 10/15/2025

Analyst: GraceTa

Batch #: GN74707

Form: GN278-04
Revised: 3/2/18

SGS

Reagent Information Log - Nitrite as Nitrogen

Reagent	Reagent # or Manufacturer/Lot
Calibration Source: 1000 mg/l nitrite stock **(STD)**	**ERA LOT # 750524 M XP 22-MAY-2026**
External Check **(ICV)**	**ERA LOT #115123 M XP: 11/13/2025**
Spiking Solution Source STD	**ERA LOT # 750524 M XP 22-MAY-2026**
NO2 Color Reagent	GNE10-79688-NO2 XP: 11/2/2025
1 N NH4OH	GNE7-75486-NO2 XP 1/23/2026
1 N HCL	GNE7-75490-NO2 XP 1/23/2026

All standards and stocks were made as described in the SOP for this method (circle one): (Y) or N
If no (N), see attached page for standards prep.

Form: GN087A-42
Rev. Date:10/2/2025

Test: Sulfide by Titration
Product: S
Method: (AQ) SM4500 S2 B, C, or F-11

◉ **Units:** mg/l mg/kg

Analyst: GRACETA
GN Batch ID: GN74863
GP Batch ID: NA
Date: 10/16/2025

Sulfide= ((Vi)(Ni) - (Vt)(Nt)) x 16000 x final Vol. / Vol. titrated x initial wt or vol

Form: AGN-SULFIDE-AQ-04

Iodine reagent number: see attached page

Iodine Normality = Normality x vol of sodium thiosulfate / volume of iodine

Normality 1 = 0.0250
Normality 2 = 0.0250
Average = 0.025000

Sodium thiosulfate manufacturer and lot: lab chem L133-09 XP6/2/2022 see attached page

Normality = 0.0250

QC Summary:

Method Blank ID:	GN74863-MB1	Date:	10/16/2025	Result:	<2	<DL:	2	Y	Units
Spike Blank ID:	GN74863-B1	Date:	10/16/2025	Amt. Spiked	5.40	Result:	5.40	% Rec: 100%	
Matrix Spike ID:	JE21034-1	MS Result	5.90	Samp Result	0.50	Spike Amt.	5.40	Rec: 100%	
Duplicate ID:	JE21034-6	Samp Result:	0.10	Dup Result:	0.10	% RPD:	0.00%		

Bottle #	Sample ID	Initial pH	Pre-Treat? Y or N	Initial Vol (ml)	Final Vol. (ml)	Sample Vol Titrated in ml (a)	Volume of Iodine in ml	Sodium Thiosulfate volume (start) ml	Sodium Thiosulfate volume (end) ml	Sodium Thiosulfate total vol in ml	Result	Final Result	Detection Limit (mg/l)	Units
	Iodine Standardization 1	>9	n	1.0	200.0	200.0	6.00	0.00	6.00	6.00	NA	NA	NA	NA
	Iodine Standardization 2	>9	n	1.0	200.0	200.0	6.00	0.00	6.00	6.00	NA	NA	NA	NA
	Sulfide Stock Std 1CONF	>9	Y	1.0	200.0	200.0	6.00	0.00	3.30	3.30	1080.000	1080.00	2	mg/l
	Sulfide Stock Std 2CONF	>9	Y	1.0	200.0	200.0	6.00	0.00	3.30	3.30	1080.000	1080.00	2	mg/l
	GN74863-MB1	>9	Y	200.0	200.0	200.0	6.00	0.00	6.00	6.00	0.000	<2	2	mg/l
	GN74863-B1	>9	Y	200.0	200.0	200.0	6.00	0.00	3.30	3.30	5.400	5.40	2	mg/l
	GN74863-B2	>9	Y	200.0	200.0	200.0	6.00	0.00	0.60	0.60	10.800	10.80	2	mg/l
7	GN74863-S1	>9	Y	200.0	200.0	200.0	6.00	0.00	3.05	3.05	5.900	5.90	2	mg/l
6	GN74863-D1	>9	Y	200.0	200.0	200.0	6.00	0.00	5.95	5.95	0.100	<2	2	mg/l
6	JE21034-1	>9	Y	200.0	200.0	200.0	6.00	0.00	5.75	5.75	0.500	<2	2	mg/l
7	JE21034-6	>9	Y	200.0	200.0	200.0	6.00	0.00	5.95	5.95	0.100	<2	2	mg/l
2	JE21194-1	>9	Y	200.0	200.0	200.0	6.00	0.00	5.90	5.90	0.200	<2	2	mg/l
5	JE21233-1	>9	Y	200.0	200.0	200.0	6.00	0.00	5.85	5.85	0.300	<2	2	mg/l
5	JE21233-2	>9	Y	200.0	200.0	200.0	6.00	0.00	5.85	5.85	0.300	<2	2	mg/l
6	JE21233-3	>9	Y	200.0	200.0	200.0	6.00	0.00	5.95	5.95	0.100	<2	2	mg/l

Analyst: GT Date: 10/16/25 QC Reviewer: _____ Date: _____

SGS

Reagent Information Log - Sulfide

Reagent	Reagent # or Manufacturer/Lot
Hydrochloric Acid, 6N	GNE8-79143-SREAC XP 2/11/2026
STANDARD Iodine SOLUTION	GNE8-79144-SULFIDE XP 2/11/2026
Sodium Thiosulfate Solution, 0.0250 N	LAB CHEM LOT NO N0 5/1/2026
Starch Indicator Solution	RICCA 2312D43 XP 11/2025
Zinc Acetate Solution	GNE7-78867-SULFIDE XP 1/14/2026
Sodium Hydroxide, 6N	GNE7-78722-SULFIDE XP 1/1/2026
Sulfide Stock Solution, 1000 ug/ml	GNE10-79759-SULFIDE XP 10/17/2025
pH Paper	Hydrion221523 AUG-26
TSS/TDS FILTERS	Laboratory sales & services lot# 114495

All standards and stocks were made as described in the SOP for this method (circle one): (Y) or N
If no (N), see attached page for standards prep.

Form: GN087A-61
Rev. Date:10/15/2025

17.2 17

MANTECH

Date: 2025-10-20 19:21:03
Analyst: GT wetchem

Sample Report

GN74973.alk
GN74974.bic
GN74975.car

B_1 = 1 mL 5000 ppm to 100 mL DI H_2O
B_2 = 5 mL 5000 ppm to 106 mL DI H_2O

Run Template: Alkalinity
Run ID: 2134
Date Started: 2025-10-20 12:09:28
Date Completed: 2025-10-20 19:21:03 ManTech2

Sample Data

Sample	Script ID	Start	End	pH	TAlkalinity	PAlkalinity	Hydroxide	Carbonate	Bicarbonate
CKBUF4	pH	2025-10-20 12:09:28	2025-10-20 12:11:33	4.0182					
CKBUF7	pH	2025-10-20 12:11:33	2025-10-20 12:13:08	6.9546					
CKBUF1	pH	2025-10-20 12:13:08	2025-10-20 12:14:43	9.9254					
GN74973-MB1	Alkalinity	2025-10-20 12:14:43	2025-10-20 12:16:59	4.3934	0.0000	0.0000	0.0000	0.0000	-27.1757
GN74973-B1	Alkalinity	2025-10-20 12:16:59	2025-10-20 12:21:13	6.4701	47.6497	0.0000	0.0000	0.0000	47.6497
GN74973-B2	Alkalinity	2025-10-20 12:21:13	2025-10-20 12:26:15	7.1026	247.0204	0.0000	0.0000	0.0000	247.0204
GN74973-D1	Alkalinity	2025-10-20 12:26:15	2025-10-20 12:34:21	7.3936	459.0677	0.0000	0.0000	0.0000	459.0677
JE21034-1	Alkalinity	2025-10-20 12:34:21	2025-10-20 12:42:22	7.3900	457.8193	0.0000	0.0000	0.0000	457.8193
JE21034-6	Alkalinity	2025-10-20 12:42:22	2025-10-20 12:52:39	7.8477	718.1348	0.0000	0.0000	0.0000	718.1348
JE21330-1	Alkalinity	2025-10-20 12:52:39	2025-10-20 13:03:35	7.0175	698.6175	0.0000	0.0000	0.0000	698.6175
JE21330-2	Alkalinity	2025-10-20 13:03:35	2025-10-20 13:13:08	7.2721	627.6574	0.0000	0.0000	0.0000	627.6574
JE21330-3	Alkalinity	2025-10-20 13:13:08	2025-10-20 13:20:23	7.2919	353.9841	0.0000	0.0000	0.0000	353.9841
JE21330-4	Alkalinity	2025-10-20 13:20:23	2025-10-20 13:28:26	7.3445	469.2991	0.0000	0.0000	0.0000	469.2991
CKBUF4.	pH	2025-10-20 13:28:26	2025-10-20 13:30:00	4.0834					
JE21330-5	Alkalinity	2025-10-20 13:30:01	2025-10-20 13:35:36	7.1421	150.6642	0.0000	0.0000	0.0000	150.6642
JE21330-6	Alkalinity	2025-10-20 13:35:36	2025-10-20 13:55:38	7.2444	1697.2788	0.0000	0.0000	0.0000	1697.2788

MANTECH

Date: 2025-10-20 19:21:03
Analyst: GT wetchem

Sample Report

Run Template: Alkalinity
Run ID: 2134
Date Started: 2025-10-20 12:09:28
Date Completed: 2025-10-20 19:21:03

Sample Data

Temp.	Final Vol.	CO2	Analyst Name
21.1016			Grace
21.0442			Grace
21.1010			Grace
21.1821	0.3050	-2196.9023	Grace
21.2551	0.5850	32.2842	Grace
21.2713	2.5450	39.0088	Grace
21.1145	4.6700	37.0943	Grace
20.8504	4.6450	37.3013	Grace
20.9083	7.3000	20.3956	Grace
20.6643	7.3050	134.2052	Grace
20.8705	6.4300	67.0892	Grace
20.7611	3.6850	36.1505	Grace
20.7259	4.7900	42.4600	Grace
21.2052			Grace
20.9456	1.5450	21.7240	Grace
21.0376	17.2900	193.3674	Grace

MANTECH

Date: 2025-10-20 19:21:03
Analyst: GT wetchem

Sample Report

Run Template: Alkalinity
Run ID: 2134
Date Started: 2025-10-20 12:09:28
Date Completed: 2025-10-20 19:21:03

Sample Data

Sample	Script ID	Start	End	pH	TAlkalinity	PAlkalinity	Hydroxide	Carbonate	Bicarbonate
JE21330-8	Alkalinity	2025-10-20 13:55:39	2025-10-20 14:03:49	6.6283	524.6565	0.0000	0.0000	0.0000	524.6565
JE21330-10	Alkalinity	2025-10-20 14:03:49	2025-10-20 14:20:38	7.4916	1313.2698	0.0000	0.0000	0.0000	1313.2698
JE21330-11	Alkalinity	2025-10-20 14:20:38	2025-10-20 14:41:55	7.3842	1950.8417	0.0000	0.0000	0.0000	1950.8417
JE21330-12	Alkalinity	2025-10-20 14:41:55	2025-10-20 14:48:44	7.7757	164.9472	0.0000	0.0000	0.0000	164.9472
JE21330-13	Alkalinity	2025-10-20 14:48:44	2025-10-20 14:55:54	7.8742	338.6872	0.0000	0.0000	0.0000	338.6872
JE21351-1	Alkalinity	2025-10-20 14:55:54	2025-10-20 15:02:21	7.6904	239.3521	0.0000	0.0000	0.0000	239.3521
JE21351-2	Alkalinity	2025-10-20 15:02:21	2025-10-20 15:18:51	7.4522	1419.0823	0.0000	0.0000	0.0000	1419.0823
JE21351-3	Alkalinity	2025-10-20 15:18:51	2025-10-20 15:27:17	7.3448	377.2252	0.0000	0.0000	0.0000	377.2252
CKBUF4..	pH	2025-10-20 15:27:17	2025-10-20 15:28:52	4.0910					
GN74973-MB2	Alkalinity	2025-10-20 15:28:52	2025-10-20 15:30:45	4.0637	0.0000	0.0000	0.0000	0.0000	0.0000
GN74973-B3	Alkalinity	2025-10-20 15:30:45	2025-10-20 15:34:59	6.4505	45.4653	0.0000	0.0000	0.0000	45.4653
GN74973-B4	Alkalinity	2025-10-20 15:34:59	2025-10-20 15:40:04	7.1392	250.2629	0.0000	0.0000	0.0000	250.2629
GN74973-D2	Alkalinity	2025-10-20 15:40:04	2025-10-20 15:46:19	6.3472	321.5178	0.0000	0.0000	0.0000	321.5178
JE21351-4	Alkalinity	2025-10-20 15:46:19	2025-10-20 15:52:50	6.3930	322.5844	0.0000	0.0000	0.0000	322.5844
JE21351-5	Alkalinity	2025-10-20 15:52:50	2025-10-20 16:04:00	7.4418	803.5774	0.0000	0.0000	0.0000	803.5774
JE21351-6	Alkalinity	2025-10-20 16:04:00	2025-10-20 16:11:31	7.7454	387.7687	0.0000	0.0000	0.0000	387.7687

MANTECH

Date: 2025-10-20 19:21:03
Analyst: GT wetchem

Sample Report

Run Template: Alkalinity
Run ID: 2134
Date Started: 2025-10-20 12:09:28
Date Completed: 2025-10-20 19:21:03

Sample Data

Temp.	Final Vol.	CO2	Analyst Name
21.2106	5.4800	246.9477	Grace
21.3491	13.3850	84.6806	Grace
21.2815	19.7650	161.0839	Grace
21.3654	1.7400	5.5294	Grace
21.2809	3.4650	9.0496	Grace
21.3735	2.4600	9.7649	Grace
21.3762	14.4700	100.1930	Grace
21.4335	3.8600	34.1060	Grace
21.4882			Grace
21.3720	0.0050	0.0000	Grace
21.3801	0.4900	32.2263	Grace
21.4158	2.6500	36.3267	Grace
21.4023	3.7150	289.0913	Grace
21.4618	3.7950	261.0197	Grace
21.4780	8.1500	58.1109	Grace
21.4990	3.9900	13.9381	Grace

MANTECH

Date: 2025-10-20 19:21:03
Analyst: GT wetchem

Sample Report

Run Template: Alkalinity
Run ID: 2134
Date Started: 2025-10-20 12:09:28
Date Completed: 2025-10-20 19:21:03

Sample Data

Sample	Script ID	Start	End	pH	TAlkalinity	PAlkalinity	Hydroxide	Carbonate	Bicarbonate
JE21351-7	Alkalinity	2025-10-20 16:11:31	2025-10-20 16:19:52	7.0070	378.6754	0.0000	0.0000	0.0000	378.6754
JE21351-8	Alkalinity	2025-10-20 16:19:52	2025-10-20 16:36:58	7.4613	1515.2960	0.0000	0.0000	0.0000	1515.2960
JE21351-9	Alkalinity	2025-10-20 16:36:58	2025-10-20 16:46:48	7.6773	648.2262	0.0000	0.0000	0.0000	648.2262
CKBUF4...	pH	2025-10-20 16:46:48	2025-10-20 16:48:23	4.0969					
JE21351-10	Alkalinity	2025-10-20 16:48:23	2025-10-20 16:57:32	7.5008	482.3977	0.0000	0.0000	0.0000	482.3977
JE21351-11	Alkalinity	2025-10-20 16:57:32	2025-10-20 17:07:37	7.3173	757.8295	0.0000	0.0000	0.0000	757.8295
JE21351-12	Alkalinity	2025-10-20 17:07:37	2025-10-20 17:14:56	7.4612	382.9779	0.0000	0.0000	0.0000	382.9779
JE21351-13	Alkalinity	2025-10-20 17:14:56	2025-10-20 17:26:08	7.1706	821.2140	0.0000	0.0000	0.0000	821.2140
JE21351-14	Alkalinity	2025-10-20 17:26:08	2025-10-20 17:33:43	7.8458	246.4173	0.0000	0.0000	0.0000	246.4173
JE21412-1	Alkalinity	2025-10-20 17:33:43	2025-10-20 17:40:52	7.5645	358.7882	0.0000	0.0000	0.0000	358.7882
JE21412-2	Alkalinity	2025-10-20 17:40:52	2025-10-20 18:07:01	7.7242	0.0000	1535.8846	3071.7692	-3071.7692	0.0000
JE21412-3	Alkalinity	2025-10-20 18:07:01	2025-10-20 18:31:41	7.7498	0.0000	1265.1154	2530.2308	-2530.2308	0.0000
JE21412-4	Alkalinity	2025-10-20 18:31:41	2025-10-20 18:55:57	7.7515	0.0000	1347.9259	2695.8518	-2695.8518	0.0000
JE21412-5	Alkalinity	2025-10-20 18:55:57	2025-10-20 19:19:18	7.7884	0.0000	1136.2037	2272.4074	-2272.4074	0.0000
CKBUF4....	pH	2025-10-20 19:19:18	2025-10-20 19:21:03	4.1544					

* rerun w/ higher titrant

MANTECH

Date: 2025-10-20 19:21:03
Analyst: GT wetchem

Sample Report

Run Template: Alkalinity
Run ID: 2134
Date Started: 2025-10-20 12:09:28
Date Completed: 2025-10-20 19:21:03

Sample Data

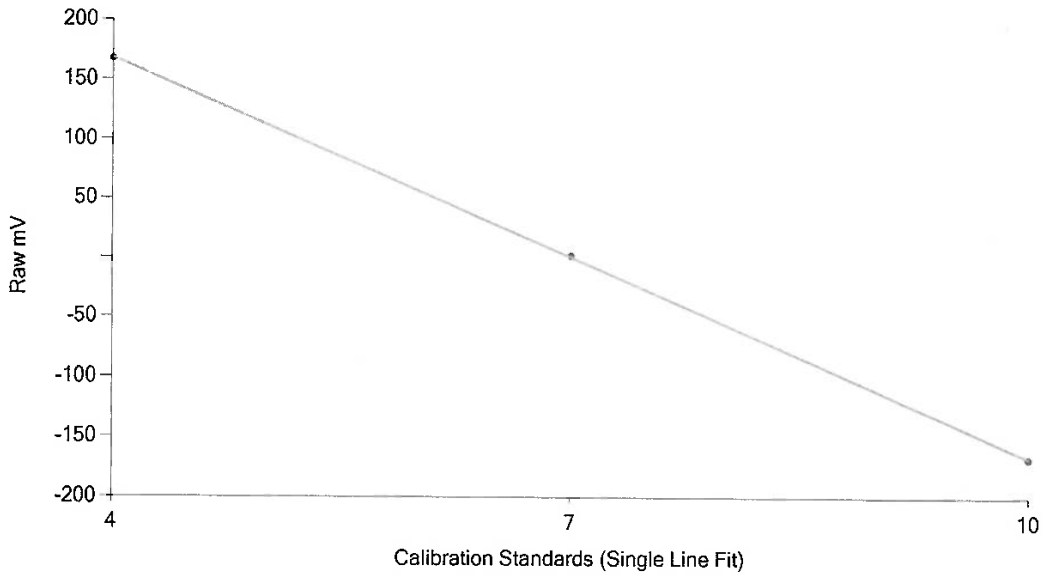
Temp.	Final Vol.	CO2	Analyst Name
21.4768	3.9250	74.5242	Grace
21.4612	15.3400	104.7677	Grace
21.4633	6.6600	27.2557	Grace
21.5774			Grace
21.3578	4.9250	30.4534	Grace
21.4444	7.6650	72.9964	Grace
21.5294	3.8900	26.4852	Grace
21.4915	8.3750	110.8885	Grace
21.5315	2.5150	7.0291	Grace
21.4639	3.7200	19.5600	Grace
21.5023	25.0400	0.0000	Grace
21.6820	25.0500	0.0000	Grace
21.5342	25.0400	0.0000	Grace
21.4693	25.0000	0.0000	Grace
21.4080			Grace

MANTECH

Date: 2025-10-20 11:41:20
Analyst: GT wetchem

Single Line Calibration Report

Calibration Template:	pH Calibration	Analysis Type:	Single Line Fit
Probe Type:	pH	Temperature:	20.9231
Port:	1	Date Started:	2025-10-20 11:35:34
Probe ID:	pH Probe	Date Completed:	2025-10-20 11:35:34



Calibration Data

Result: PASS

Equation: y = -55.8602x + 0.9783

	Result	Minimum	Maximum
Slope:	-55.8602	-63.0000	-55.0000
Intercept:	0.9783	-100.0000	100.0000
Correlation:	1.0000	0.9950	1.0000
% RSE	0.4799		

Calibration Standard	Recorded Standard
4.0000	167.8760
7.0000	2.3440
10.0000	-167.2850

SGS

Reagent Information Log
Test Name: ALK

Reagent	Reagent # or Manufacturer/Lot
pH BUFFER 4	FISHER #246231 XP 05/27
pH BUFFER 7	FISHER LOT #246940 EXP 03/2027
pH BUFFER 10	FISHER LOT #244710 EXP 11/2026
SODIUM PHOSPHATE DIBASIC	GNE8-79281-ALKALINI XP 2/22/2026
B1-1.0ML OF 5000PPM TO 100ML	TV 50MG/L
B2-5.0ML OF 5000PPM TO 100ML	TV 250 MG/L
H2SO4 TITRANT (0.02N)	FISHER #235420 XP 03/29

All standards and stocks were made as described in the SOP for this method (circle one): (Y) or N
If no (N), see attached page for standards prep.

Form: GN087-01
Rev. Date:10/20/2025

LABORATORY REVIEW SIGNATURE FORM
(To be stored with the raw data)

File ID: G251017W1.TXT Date Analyzed: 10/17/25 Methods: SM5310 B-11, SM5310 B-11/14
Analyst: MB Run ID: GN74989

The following analyst(s) have reviewd this run and attest that, to the best of their knowledge, this documentation is complete and correct:

Analyst: MB Date 10-20-25

Analyst: _____ Date _____

Analyst: _____ Date _____

Analyst: _____ Date _____

Analyst: _____ Date _____

Analyst: _____ Date _____

Analyst: _____ Date _____

The following supervisor or their designee has reviewed this run and attests that, to the best of their knowledge, this documentation is complete and correct:

Supervisor (or designee): _____ Date _____

C:\TOC-L\Data\g251017w1.tlx

	Sample Name	Sample ID	Origin	Manual Diluti	Result	Comment
1	WASHCONF		TOCAQSW846.met	1.000	NPOC:0.4464mg/L	
2	CRI		TOCAQSW846.met	1.000	NPOC:1.024mg/L	Coefficient Variation: 3.67%
3	HSTD		TOCAQSW846.met	1.000	NPOC:50.05mg/L	Coefficient Variation: 1.14%
4	ICV		TOCAQSW846.met	1.000	NPOC:19.39mg/L	
5	ICB		TOCAQSW846.met	1.000	NPOC:0.000mg/L	
6	CCV		TOCAQSW846.met	1.000	NPOC:25.84mg/L	
7	CCB		TOCAQSW846.met	1.000	NPOC:0.000mg/L	
8	SPARGERCHK		TOCAQSW846.met	1.000	NPOC:0.5212mg/L	
9	GP64810-MB1	[toc]	TOCAQ.met	1.000	NPOC:0.000mg/L	
10	GP64810-B1		TOCAQ.met	1.000	NPOC:9.805mg/L	0.5 mL 1000ppm to 50 mL DI H2O
11	GP64810-B2		TOCAQ.met	1.000	NPOC:1.194mg/L	0.5 mL 100ppm to 50 mL DI H2O
12	JE21106-4		TOCAQ.met	1.000	NPOC:1.277mg/L	
13	GP64810-S1	JE21106-4	TOCAQ.met	1.000	NPOC:11.68mg/L	0.2mL 1000ppm to 20mL JE21106-4
14	GP64810-MSD1	JE21106-4	TOCAQ.met	1.000	NPOC:11.99mg/L	0.2mL 1000ppm to 20mL JE21106-4
15	JE21106-3		TOCAQ.met	1.000	NPOC:9.222mg/L	
16	JE21106-5		TOCAQ.met	1.000	NPOC:7.188mg/L	
17	JE21106-6	field blank	TOCAQ.met	1.000	NPOC:0.06460mg/L	
18	CCVA		TOCAQ.met	1.000	NPOC:53.51mg/L	
19	CCB		TOCAQ.met	1.000	NPOC:0.03378mg/L	
20	JE21006-4		TOCAQ.met	1.000	NPOC:0.03097mg/L	
21	JE21110-4		TOCAQ.met	1.000	NPOC:0.03824mg/L	
22	JE21112-1		TOCAQ.met	1.000	NPOC:0.03794mg/L	
23	JE21113-1	drinking water	TOCAQ.met	1.000	NPOC:0.9161mg/L	
24	GP64811-MB1	[toc]	TOCAQ.met	1.000	NPOC:0.000mg/L	
25	GP64811-B1		TOCAQ.met	1.000	NPOC:10.61mg/L	0.5 mL 1000ppm to 50 mL DI H2O
26	JE21106-1		TOCAQ.met	1.000	NPOC:9.471mg/L	
27	GP64811-S1	JE21106-1	TOCAQ.met	1.000	NPOC:21.49mg/L	0.2mL 1000ppm to 20mL JE21106-1
28	GP64811-MSD1	JE21106-1	TOCAQ.met	1.000	NPOC:21.56mg/L	0.2mL 1000ppm to 20mL JE21106-1
29	JE21194-1		TOCAQ.met	1.000	NPOC:15.73mg/L	
30	CCV		TOCAQ.met	1.000	NPOC:27.26mg/L	
31	CCB		TOCAQ.met	1.000	NPOC:0.1568mg/L	
32	JE20960-1		TOCAQ.met	1.000	NPOC:0.9608mg/L	
33	JE20960-2		TOCAQ.met	1.000	NPOC:0.9943mg/L	
34	JE21153-8	field blank	TOCAQ.met	1.000	NPOC:0.000mg/L	
35	JE21264-1		TOCAQ.met	1.000	NPOC:23.91mg/L	
36	JE21264-2		TOCAQ.met	1.000	NPOC:7.882mg/L	
37	JE21264-3		TOCAQ.met	1.000	NPOC:4.248mg/L	
38	GP64841-MB1	[toc]	TOCAQ.met	1.000	NPOC:0.00266mg/L	
39	GP64841-B1		TOCAQ.met	1.000	NPOC:10.61mg/L	0.5 mL 1000ppm to 50 mL DI H2O
40	JE21034-1		TOCAQ.met	1.000	NPOC:2.228mg/L	
41	GP64841-S1	JE21034-1	TOCAQ.met	1.000	NPOC:13.43mg/L	0.2mL 1000ppm to 20mL JE21034-1
42	CCVA		TOCAQ.met	1.000	NPOC:53.54mg/L	
43	CCB		TOCAQ.met	1.000	NPOC:0.4563mg/L	
44	GP64841-MSD1	JE21034-1	TOCAQ.met	1.000	NPOC:13.15mg/L	0.2mL 1000ppm to 20mL JE21034-1
45	JE21034-6		TOCAQ.met	1.000	NPOC:1.285mg/L	
46	JE21291-1	②	TOCAQ.met	1.000	NPOC:453.2mg/L	overrange, see rerun
47	JE21291-2		TOCAQ.met	1.000	NPOC:49.19mg/L	
48	JE21291-3	field blank	TOCAQ.met	1.000	NPOC:0.4506mg/L	
49	JE21293-2		TOCAQ.met	1.000	NPOC:3.029mg/L	
50	CCV		TOCAQ.met	1.000	NPOC:27.22mg/L	
51	CCB		TOCAQ.met	1.000	NPOC:0.2439mg/L	
52	SPARGERCHK		TOCAQ.met	1.000	NPOC:0.7392mg/L	

10/20/2025 2:37:39 PM g251017w1-toc GN74989 MB 10-20-25 1/4

17.4 17

C:\TOC-L\Data\g251017w1.tlx

	Sample Name	Sample ID	Origin	Manual Diluti	Result	Comment
53	CCVA	(rerun)	TOCAQ.met	1.000	NPOC:50.75mg/L	
54	CCB		TOCAQ.met	1.000	NPOC:0.2283mg/L	
55	JE21291-1		TOCAQ.met	20.00	NPOC:367.0mg/L	
56	CCV		TOCAQ.met	1.000	NPOC:26.84mg/L	
57	CCB		TOCAQ.met	1.000	NPOC:0.06587mg/L	
58	SPARGERCHK		TOCAQ.met	1.000	NPOC:0.2622mg/L	

g251017w1-toc GW74989 MB 10-20-25

17.4

17

SGS

GN: GN74989

Analyst: MB

Date: 10-17-25

Test: Total Organic Carbon

Product: TOC or DOC

Method: SM5310 B-14, SW846 9060A

g251017wl-toc

Note: Refer to raw data and LIMS for information not shown below.

Autosampler Position #	Sample ID	pH	Diluton Factor	Bottle #	Comments
1	WASHCONF	<2			
2	CRI				
3	HSTD				
4	ICV				
5	ICB				
6	CCV				
7	CCB				
8	SPARGERCHK				
9	GP64810-MB1			-	[toc]
10	GP64810-B1			-	High Blank Spike
11	GP64810-B2			-	Low Blank Spike
12	JE21106-4			11	
13	GP64810-S1			12	JE21106-4
14	GP64810-MSD1			12	JE21106-4
15	JE21106-3			4	
16	JE21106-5			4	
17	JE21106-6			4	Field Blank
18	CCVA				
19	CCB				
20	JE21006-4			20	
21	JE21110-4			20	
22	JE21112-1			4	
23	JE21113-1			25	Drinking Water
24	GP64811-MB1			-	[toc]
25	GP64811-B1			-	
26	JE21106-1			4	
27	GP64811-S1			4	JE21106-1

Form:GN054-05 Rev: 1/24/2024

QCReviewer:_____ Date:_____

Comments: BSP: 500ul of 1000ppm KHP up to 50mL with DI H20 TV= 10 mg/L

MS/MSD: 200ul of 1000ppm KHP up to 20mL with sample TV=10 mg/L

ICV: 5mL of 100 ppm Sucrose up to 25mL with DI H20 TV=20 mg/L

17.4 17

SGS

Analyst: MB
Date: 10-17-25

Test: Total Organic Carbon
Product: TOC or DOC
Method: SM5310 B-14, SW846 9060A

Note: Refer to raw data and LIMS for information not shown below.

Autosampler Position #	Sample ID	pH	Diluton Factor	Bottle #	Comments
28	GP64811-MSD1	<2		4	JE21106-1
29	JE21194-1			8	
30	CCV				
31	CCB				
32	JE20960-1			2	
33	JE20960-2			2	
34	JE21153-8			1	Field Blank
35	JE21264-1			11	
36	JE21264-2			11	
37	JE21264-3			11	
38	GP64841-MB1			-	[toc]
39	GP64841-B1			-	
40	JE21034-1			11	
41	GP64841-S1			12	JE21034-1
42	CCVA				
43	CCB				
44	GP64841-MSD1			12	JE21034-1
45	JE21034-6			14	
46	JE21291-1			4	
47	JE21291-2			5	
48	JE21291-3			4	Field Blank
49	JE21293-2			4	
50	CCV				
51	CCB				
52	SPARGERCHK				

Form:GN054-05 Rev: 1/24/2024

Comments: BSP: 500ul of 1000ppm KHP up to 50mL with DI H20 TV= 10 mg/L
MS/MSD: 200ul of 1000ppm KHP up to 20mL with sample TV=10 mg/L
ICV: 5mL of 100 ppm Sucrose up to 25mL with DI H20 TV=20 mg/L

17.4 17

SGS

Analyst MB Product TOC Autopipette # 53

Date 10-20-25 Batch ID GN74989 Class A Vol. Flask

Sample Dilution Prep Log

Sample ID	Dilution	Initial Volume	Final Volume	Comments
JE21291-1	1:20	1 mL	20 mL	Rerun (GP64841)

QC Reviewer:_____ Date:_____

Form: GN165-01
Rev. Date: 2/25/03

SGS

Reagent Information Log - TOC/DOC

GN74989

Reagent	Expiration Date	Reagent # or Manufacturer/Lot
Potassium Hydrogen Phthlate (KHP), Stock Solution 1000 mg/L	10/17/2025	GNE7-78933-TOC
Carbonate/Bicarbonate Stock Solution	11/20/2025	GNE8-79252-TOC
Sparger Check Solution	10/24/2025	GNE9-79653-TOC
CCV Solution (25 ppm)	11/10/2025	GNE10-79780-TOC
CCVA Solution (50 ppm)	11/10/2025	GNE10-79781-TOC
CRI Check	10/17/2025	GNE9-79602-TOC
HCl	2/9/2026	J.T.Baker LOT #23J2062001
pH Hydron Paper	8/1/2026	Fisher LOT #222221
Sucrose Stock Solution	10/24/2025	GNE9-79652-TOC
IC Millex 0.45µm filter	N/A	Merck Millipore LOT #0000163467

All standards and stocks were made as described in the SOP for this method (circle one): (Y) or N
If no (N), see attached page for standards prep.

Form: GN087A67-043
Rev Date: 3/17/2023

17.4 17

SGS

GENERAL CHEMISTRY STANDARD PREPARATION LOG FOR TOC (AQ)

Product: TOC

Analyst: MB

Date: 10-20-25

GN/GP number: GN74989

Intermediate Standard Description	Stock used to prepare standard	Stock concentration (mg/L)	Stock volume used (mL or g)	Balance/Pipette ID*	Diluent(a)	Final Volume	Final Conc. of Intermediate (mg/L)	Expiration Date	Analyst	Date
GNE7-78933-TOC	**Fisher Lot:** 230095	KHP	2.1275 g	B-39	DI H2O	1000 mL	1000 ppm	10/17/2025	MB	7/18/2025
GNE9-79601-TOC	*GNE7-78933-TOC*	1000 ppm	20 mL	Class A Pipet	DI H2O	200 mL	100 ppm	10/17/2025	MB	9/23/2025
GNE9-79652-TOC	**Fisher Lot:** 210554	Sucrose	0.0483 g	B-39	DI H2O	200 mL	100 ppm	10/24/2025	MB	9/26/2025
Standard Description	**Intermediate or Stock used to prepare standard**	**Intermediate or Stock concentration (mg/L)**	**Intermediate or Stock volume used (mL)**	**Balance/Pipette ID***	**Diluent**	**Final Volume**	**Final Conc. of Standard (mg/L)**	**Expiration Date**	**Analyst**	**Date**
KHP STDS										
GNE9-79602-TOC	*GNE9-79601-TOC*	100 ppm	1.0	Class A Pipet	DI H2O	100 mL	1.0	10/17/2025	MB	9/23/2025
GNE9-79603-TOC	*GNE9-79601-TOC*	100 ppm	2.0	Class A Pipet	DI H2O	100 mL	2.0	10/17/2025	MB	9/23/2025
GNE9-79604-TOC	*GNE9-79601-TOC*	100 ppm	5.0	Class A Pipet	DI H2O	100 mL	5.0	10/17/2025	MB	9/23/2025
GNE9-79605-TOC	*GNE9-79601-TOC*	100 ppm	10.0	Class A Pipet	DI H2O	100 mL	10.0	10/17/2025	MB	9/23/2025
GNE9-79606-TOC	*GNE9-79601-TOC*	100 ppm	20.0	Class A Pipet	DI H2O	100 mL	20.0	10/17/2025	MB	9/23/2025
GNE9-79607-TOC	*GNE9-79601-TOC*	100 ppm	30.0	Class A Pipet	DI H2O	100 mL	30.0	10/17/2025	MB	9/23/2025
GNE9-79608-TOC	*GNE9-79601-TOC*	100 ppm	50.0	Class A Pipet	DI H2O	100 mL	50.0	10/17/2025	MB	9/23/2025
KHP STDS										
GNE10-79779-TOC	**Acros Lot:** A0383564	KHP	0.2154 g	B-39	DI H2O	100 mL	100 ppm	11/10/2025	MB	10/13/2025
GNE10-79780-TOC	*GNE10-79779-TOC*	100 ppm	50 mL	Class A Pipet	DI H2O	100 mL	25 ppm	11/10/2025	MB	10/13/2025
GNE10-79781-TOC	*GNE10-79779-TOC*	100 ppm	100 mL	Class A Pipet	DI H2O	100 mL	50 ppm	11/10/2025	MB	10/13/2025

*If Class A glass pipettes are used, enter an A.

(a) Dilutent reagent reference number:

Expiration date:

All strikeouts must be initialed, dated, and reason applied if not transcription error

Form: GN199-02
Rev. Date: 3/17/2023

TOC-Control L Report

Chem
g250923weal.tlx

Instr.Information

Instrument Options	TOC ASI Sparge Kit
Catalyst	Regular Sensitivity
Cell Length	long

Cal. Curve

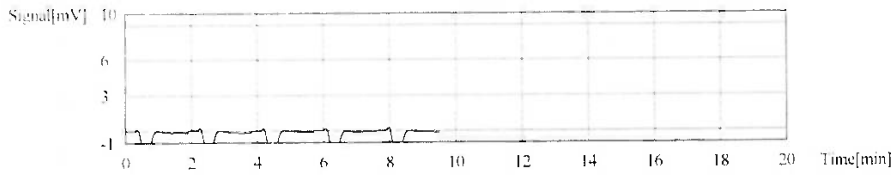
Sample Name	Untitled
Sample ID	Untitled
Cal. Curve	g250923wL 2025_09_23_13_11_27.cal
Status	Completed

Type	Anal.
Standard	NPOC

Conc. 0.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	4.707	100uL	1.000	*******		9/23/2025 1:28:08 PM
2	4.897	100uL	1.000	*******		9/23/2025 1:41:34 PM
3	5.441	100uL	1.000	*******		9/23/2025 1:55:00 PM
4	3.031	100uL	1.000	*******		9/23/2025 2:08:27 PM
5	0.000	100uL	1.000	*******	E	9/23/2025 2:21:58 PM

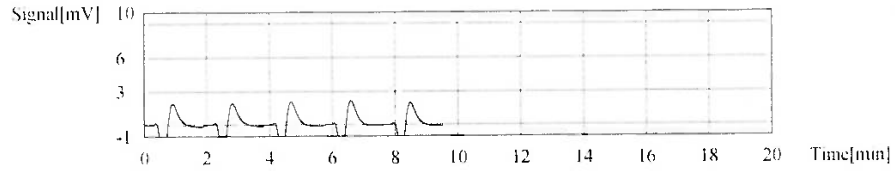
Acid Add	0.000%
Sparge Gas Flow	80mL/min
Sp. Time	600.0sec
Mean Area	4.519
CV Area	23.01%



Conc. 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	11.27	100uL	1.000	*******		9/23/2025 2:39:03 PM
2	11.16	100uL	1.000	*******		9/23/2025 2:52:37 PM
3	0.7940	100uL	1.000	*******	L	9/23/2025 3:06:04 PM
4	11.08	100uL	1.000	*******		9/23/2025 3:19:47 PM
5	10.38	100uL	1.000	*******		9/23/2025 3:33:10 PM

Acid Add	0.000%
Sparge Gas Flow	80mL/min
Sp. Time	600.0sec
Mean Area	10.97
CV Area	3.67%



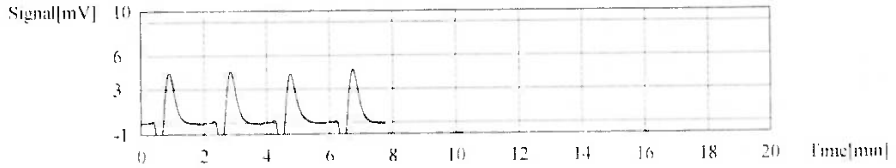
Conc. 2.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	18.41	100uL	1.000	*******		9/23/2025 3:50:15 PM
2	16.67	100uL	1.000	*******		9/23/2025 4:03:41 PM
3	17.63	100uL	1.000	*******		9/23/2025 4:17:13 PM
4	17.51	100uL	1.000	*******		9/23/2025 4:30:39 PM

TOC-Control L Report

Chem
g250923wcal.tlx

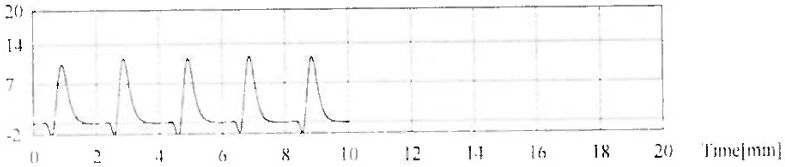
Acid Add	0.000%
Sparge Gas Flow	80mL/min
Sp. Time	600.0sec
Mean Area	17.56
CV Area	1.06%



Conc. 5.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	22.96	100uL	1.000	*******		9/23/2025 4:48:02 PM
2	24.35	100uL	1.000	*******		9/23/2025 5:01:37 PM
3	33.25	100uL	5.000	*******	E	9/23/2025 5:15:10 PM
4	31.67	100uL	1.000	*******		9/23/2025 5:28:39 PM
5	25.00	100uL	1.000	*******		9/23/2025 5:42:09 PM

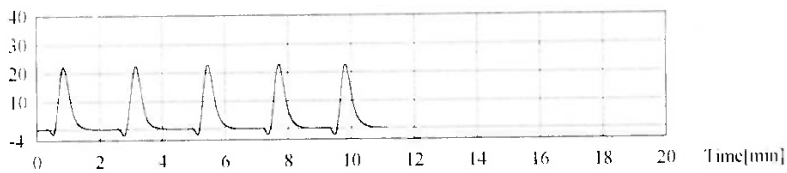
Acid Add	0.000%
Sparge Gas Flow	80mL/min
Sp. Time	600.0sec
Mean Area	26.00
CV Area	14.92%



Conc. 10.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	51.41	100uL	1.000	*******		9/23/2025 5:59:28 PM
2	53.21	100uL	1.000	*******		9/23/2025 6:13:20 PM
3	60.97	100uL	1.000	*******	E	9/23/2025 6:27:05 PM
4	53.00	100uL	1.000	*******		9/23/2025 6:40:42 PM
5	52.67	100uL	1.000	*******		9/23/2025 6:54:27 PM

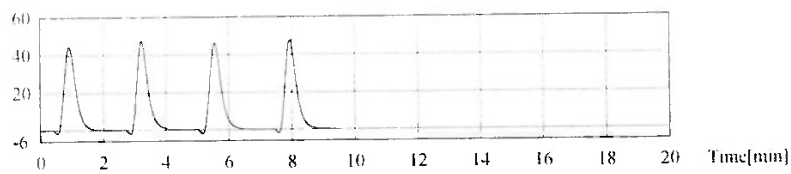
Acid Add	0.000%
Sparge Gas Flow	80mL/min
Sp. Time	600.0sec
Mean Area	52.59
CV Area	1.57%



Conc. 20.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	113.7	100uL	1.000	*******		9/23/2025 7:11:50 PM
2	113.0	100uL	1.000	*******		9/23/2025 7:25:37 PM
3	113.1	100uL	1.000	*******		9/23/2025 7:39:31 PM
4	119.9	100uL	1.000	*******		9/23/2025 7:53:24 PM

Acid Add	0.000%
Sparge Gas Flow	80mL/min
Sp. Time	600.0sec
Mean Area	114.9
CV Area	2.90%



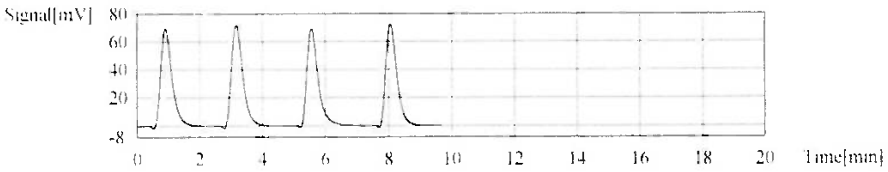
Conc. 30.00mg/L

TOC-Control L Report

Chem
g250923wcal.tlx

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	169.6	100uL	1.000	*******		9/23/2025 8:10:57 PM
2	185.4	100uL	1.000	*******		9/23/2025 8:24:49 PM
3	172.6	100uL	1.000	*******		9/23/2025 8:38:47 PM
4	173.9	100uL	1.000	*******		9/23/2025 8:52:44 PM

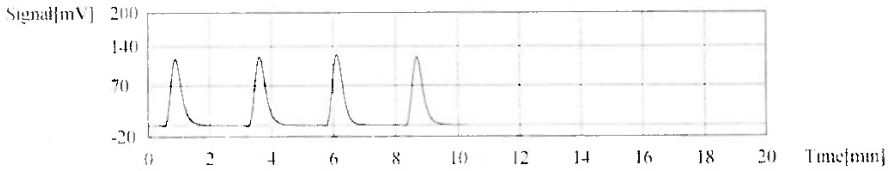
Acid Add	0.000%
Sparge Gas Flow	80mL/min
Sp. Time	600.0sec
Mean Area	174.9
CV Area	3.41%



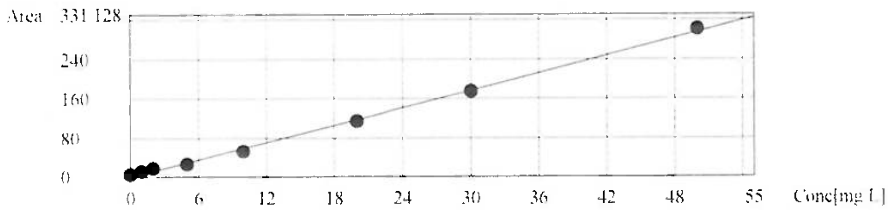
Conc: 50.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	297.1	100uL	1.000	*******		9/23/2025 9:10:43 PM
2	301.4	100uL	1.000	*******		9/23/2025 9:24:42 PM
3	305.4	100uL	1.000	*******		9/23/2025 9:38:45 PM
4	300.2	100uL	1.000	*******		9/23/2025 9:52:43 PM

Acid Add	0.000%
Sparge Gas Flow	80mL/min
Sp. Time	600.0sec
Mean Area	301.0
CV Area	1.14%



Slope	5.909
Intercept	0.000
r^2	0.9977
r	0.9988
Zero Shift	Yes



17.4
17

TOC-Control L Report

Chem
g251017w1.tlx

Instr.Information

Instrument Options	TOC ASI Sparge Kit
Catalyst	Regular Sensitivity
Cell Length	long

Sample

Sample Name	WASHCONT
Sample ID	
Origin	TOCAQSW846.met
Status	Completed
Chk. Result	

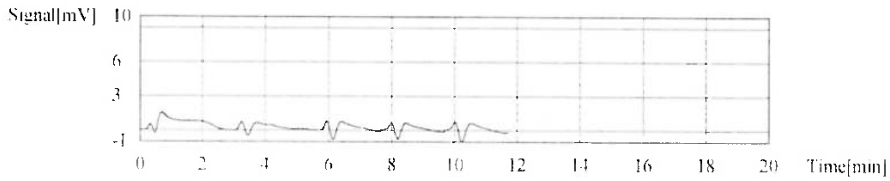
Type	Anal.	Result
Unknown	NPOC	NPOC 0.4464mg/L

1: Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol	Ex.	Cal. Curve	Date / Time
1	9.878	1.672mg/L	100uL	E	g250923w1 2025_09_23_13_11_27.cal	10/17/2025 11:39:12 AM
2	3.464	0.5863mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/17/2025 11:42:05 AM
3	2.738	0.4600mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/17/2025 11:44:20 AM
4	2.262	0.3828mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/17/2025 11:46:36 AM
5	2.107	0.3566mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/17/2025 11:48:55 AM

Acid Add.	0.080%
Sparge Gas Flow	80mL/min
Sp. Time	600.0sec
Mean Area	2.638
SD Area	0.6088
CV Area	23.08%
No Washes	1



Sample

Sample Name:	CRI
Sample ID	
Origin	TOCAQSW846.met
Status	Completed
Chk. Result	

Type	Anal.	Result
Unknown	NPOC	NPOC 1.024mg/L

1: Det

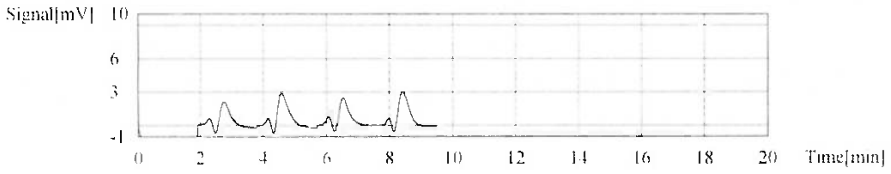
Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	8.189	1.386mg/L	100uL	E	g250923w1 2025_09_23_13_11_27.cal	10/17/2025 1:01:04 PM
2	4.679	0.7918mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/17/2025 1:03:22 PM
3	7.049	1.193mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/17/2025 1:05:32 PM
4	5.595	0.9469mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/17/2025 1:07:44 PM
5	6.880	1.164mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/17/2025 1:09:49 PM

TOC-Control L Report

Chem
g251017wL.tlx

Acid Add	0.000%
Sparge Gas Flow	80mL/min
Sp. Time	600.0sec
Mean Area	6.053
SD Area	1.124
CV Area	18.57%
No Washes	1



Sample

Sample Name	HSHD
Sample ID	
Origin	TOCAQSW846.met
Status	Completed
Chk. Result	

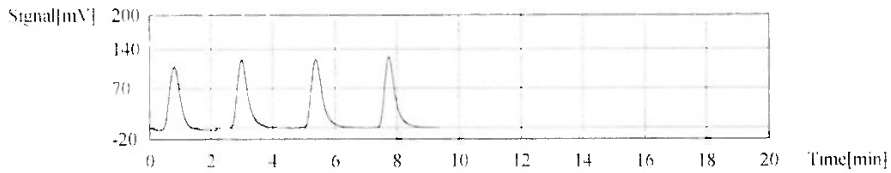
Type	Anal.	Result
Unknown	NPOC	NPOC 50.05mg/L

1 Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	281.6	47.66mg/L	100uL		g250923w1.2025_09_23_13_11_27.cal	10/17/2025 2:45:42 PM
2	295.9	50.08mg/L	100uL		g250923w1.2025_09_23_13_11_27.cal	10/17/2025 2:48:23 PM
3	304.2	51.48mg/L	100uL		g250923w1.2025_09_23_13_11_27.cal	10/17/2025 2:51:01 PM
4	301.1	50.96mg/L	100uL		g250923w1.2025_09_23_13_11_27.cal	10/17/2025 2:53:41 PM

Acid Add	0.000%
Sparge Gas Flow	80mL/min
Sp. Time	600.0sec
Mean Area	295.7
SD Area	10.00
CV Area	3.38%
No Washes	1



Sample

Sample Name	ICV
Sample ID	
Origin	TOCAQSW846.met
Status	Completed
Chk. Result	

Type	Anal.	Result
Unknown	NPOC	NPOC 19.39mg/L

1 Det

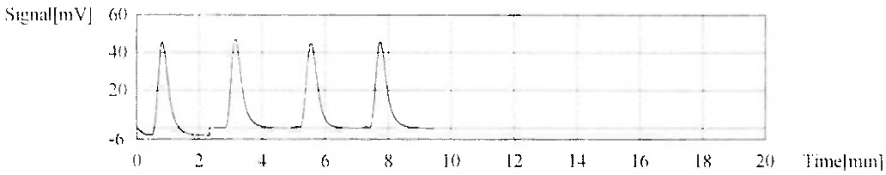
Anal.: NPOC

TOC-Control L Report

Chem
g251017w1.tlx

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	1174	19.87mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/17/2025 3:10:17 PM
2	1133	19.18mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/17/2025 3:12:59 PM
3	1135	19.21mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/17/2025 3:15:26 PM
4	1141	19.31mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/17/2025 3:18:12 PM

Acid Add. 0.000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 1146
SD Area 19.14
CV Area 1.67%
No Washes 1



Sample

Sample Name: ICB
Sample ID:
Origin: TOCAQSW846.met
Status: Completed
Chk. Result:

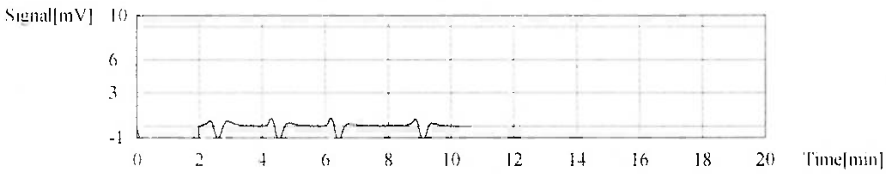
Type	Anal.	Result
Unknown	NPOC	NPOC 0.000mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	7.51[9]	1.273mg/L	100uL	1	g250923w1 2025_09_23_13_11_27.cal	10/17/2025 3:42:38 PM
2	0.000	0.000mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/17/2025 3:44:51 PM
3	0.000	0.000mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/17/2025 3:46:56 PM
4	0.000	0.000mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/17/2025 3:49:40 PM
5	0.000	0.000mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/17/2025 3:52:18 PM

Acid Add. 0.000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 0.000
SD Area 0.000
CV Area 0.00%
No Washes 1



Sample

Sample Name: CCV
Sample ID:
Origin: TOCAQSW846.met
Status: Completed
Chk. Result:

Type	Anal.	Result
Unknown	NPOC	NPOC 25.84mg/L

TOC-Control L Report

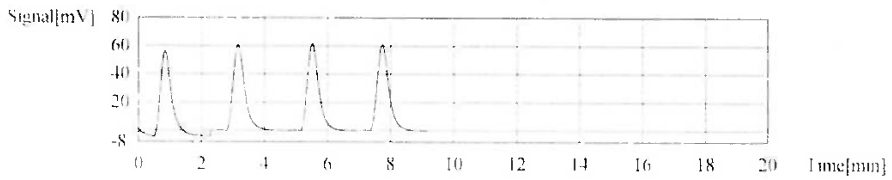
Chem
g251017wL.tlx

1 Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	147.5	24.29mg/L	100uL		g250923wL 2025_09_23_13_11_27.cal	10/17/2025 4:08:46 PM
2	154.3	26.11mg/L	100uL		g250923wL 2025_09_23_13_11_27.cal	10/17/2025 4:11:27 PM
3	156.0	26.49mg/L	100uL		g250923wL 2025_09_23_13_11_27.cal	10/17/2025 4:13:50 PM
4	156.9	26.55mg/L	100uL		g250923wL 2025_09_23_13_11_27.cal	10/17/2025 4:16:21 PM

Acid Add: 0.000%
Sparge Gas Flow: 80mL/min
Sp. Time: 600.0sec
Mean Area: 152.7
SD Area: 6.211
CV Area: 4.07%
No Washes: 4



Sample

Sample Name: CCB
Sample ID:
Origin: TOC AQSW846 met
Status: Completed
Chk. Result:

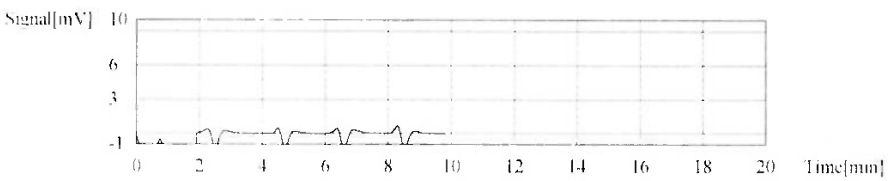
Type	Anal.	Result
Unknown	NPOC	NPOC 0.000mg/L

1 Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	7.081	1.198mg/L	100uL	1	g250923wL 2025_09_23_13_11_27.cal	10/17/2025 4:35:54 PM
2	0.000	0.000mg/L	100uL		g250923wL 2025_09_23_13_11_27.cal	10/17/2025 4:38:27 PM
3	0.000	0.000mg/L	100uL		g250925wL 2025_09_23_13_11_27.cal	10/17/2025 4:40:32 PM
4	0.000	0.000mg/L	100uL		g250923wL 2025_09_23_13_11_27.cal	10/17/2025 4:42:42 PM
5	0.000	0.000mg/L	100uL		g250923wL 2025_09_23_13_11_27.cal	10/17/2025 4:44:51 PM

Acid Add: 0.000%
Sparge Gas Flow: 80mL/min
Sp. Time: 600.0sec
Mean Area: 0.000
SD Area: 0.000
CV Area: 0.00%
No Washes: 4



Sample

Sample Name: SPARGERCHK
Sample ID:
Origin: TOC AQSW846 met
Status: Completed
Chk. Result:

TOC-Control L Report

Chem
p251017w1 tlx

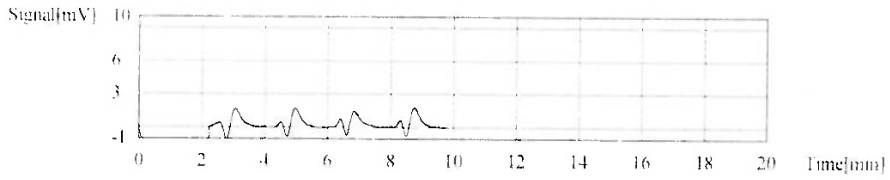
Type	Anal.	Result
Unknown	NPOC	NPOC 0.5212mg/L

1 Det

Anal: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	6.618	1.120mg/L	100uL	E	p250923w1 2025-09-23 13-11-27.cal	10/17/2025 5:01:15 PM
2	2.797	0.4734mg/L	100uL		p250923w1 2025-09-23 13-11-27.cal	10/17/2025 5:03:20 PM
3	3.040	0.5145mg/L	100uL		p250923w1 2025-09-23 13-11-27.cal	10/17/2025 5:05:34 PM
4	3.225	0.5455mg/L	100uL		p250923w1 2025-09-23 13-11-27.cal	10/17/2025 5:07:39 PM
5	3.258	0.5513mg/L	100uL		p250923w1 2025-09-23 13-11-27.cal	10/17/2025 5:09:11 PM

Acid Add. 0.0000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 3.080
SD Area 0.2112
CV Area 6.86%
No Washes 1



Sample

Sample Name GP64810-MB1
Sample ID [toc]
Origin TOC_AQ.met
Status Completed
Chk. Result

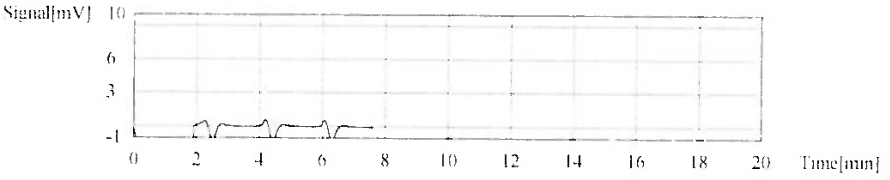
Type	Anal.	Result
Unknown	NPOC	NPOC 0.000mg/L

1 Det

Anal: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	3.705	0.643mg/L	100uL	E	p250923w1 2025-09-23 13-11-27.cal	10/17/2025 5:25:51 PM
2	0.000	0.000mg/L	100uL		p250923w1 2025-09-23 13-11-27.cal	10/17/2025 5:28:04 PM
3	0.000	0.000mg/L	100uL		p250923w1 2025-09-23 13-11-27.cal	10/17/2025 5:30:09 PM
4	0.000	0.000mg/L	100uL		p250923w1 2025-09-23 13-11-27.cal	10/17/2025 5:32:15 PM

Acid Add. 0.0000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 0.000
SD Area 0.000
CV Area 0.00%
No Washes 1



Sample

TOC-Control L Report

Chem
g251017w1.tlx

Sample Name GP64810-B1
Sample ID
Origin TOCAQ.met
Status Completed
Chk. Result

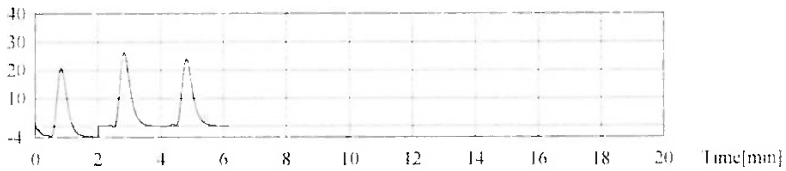
Type	Anal.	Result
Unknown	NPOC	NPOC 9.805mg/L

1 Det

Anal. NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	54.82	9.278mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/17/2025 7:00:17 PM
2	60.15	10.18mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/17/2025 7:02:38 PM
3	58.83	9.957mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/17/2025 7:04:59 PM

Acid Add 0.0000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 57.93
SD Area 2.776
CV Area 4.79%
No Washes 1



Sample

Sample Name GP64810-B2
Sample ID
Origin TOCAQ.met
Status Completed
Chk. Result

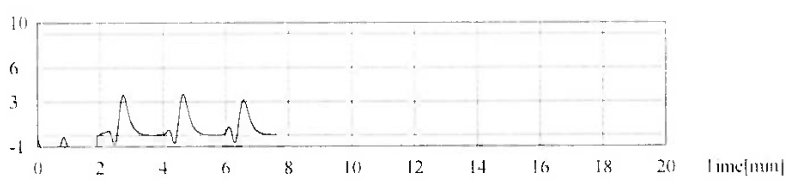
Type	Anal.	Result
Unknown	NPOC	NPOC 1.194mg/L

1 Det

Anal. NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	9.300	1.589mg/L	100uL	E	g250923w1_2025_09_23_13_11_27.cal	10/17/2025 7:42:02 PM
2	7.023	1.180mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/17/2025 7:44:17 PM
3	7.277	1.232mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/17/2025 7:46:22 PM
4	6.872	1.163mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/17/2025 7:48:27 PM

Acid Add 0.0000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 7.057
SD Area 0.2047
CV Area 2.90%
No Washes 1



TOC-Control L Report

C:\tem
p251017w1.tlx

Sample

Sample Name JE21106-1
Sample ID
Origin TOC-VQ.met
Status Completed
Chk. Result

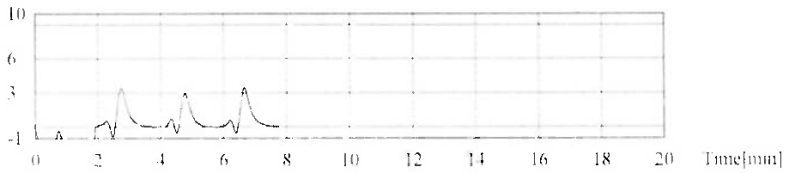
Type	Anal.	Result
Unknown	NPOC	NPOC 1.273mg/L

1 Det

Anal. NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	8.104	1.372mg/L	100uL		p250923w1_2025_09_23_13_11_27.cal	10/17/2025 8:04:34 PM
2	7.283	1.233mg/L	100uL		p250923w1_2025_09_23_13_11_27.cal	10/17/2025 8:06:55 PM
3	6.125	1.037mg/L	100uL	*	p250923w1_2025_09_23_13_11_27.cal	10/17/2025 8:09:00 PM
4	7.255	1.228mg/L	100uL		p250923w1_2025_09_23_13_11_27.cal	10/17/2025 8:11:09 PM

Acid Add 0.0009%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 7.817
SD Area 0.482
CV Area 6.30%
No Washes 3



Sample

Sample Name GP64810-S1
Sample ID JE21106-4
Origin TOC-VQ.met
Status Completed
Chk. Result

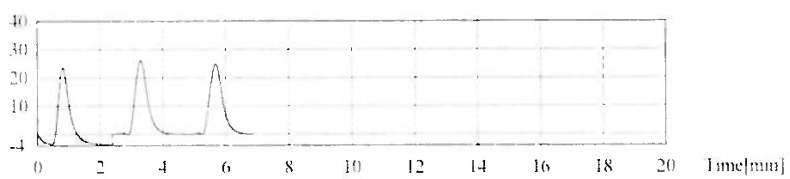
Type	Anal.	Result
Unknown	NPOC	NPOC 11.68mg/L

1 Det

Anal. NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	66.06	11.18mg/L	100uL		p250923w1_2025_09_23_13_11_27.cal	10/17/2025 8:27:45 PM
2	70.97	12.01mg/L	100uL		p250923w1_2025_09_23_13_11_27.cal	10/17/2025 8:30:26 PM
3	70.07	11.86mg/L	100uL		p250923w1_2025_09_23_13_11_27.cal	10/17/2025 8:32:45 PM

Acid Add 0.0009%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 69.03
SD Area 2.614
CV Area 3.79%
No Washes 1



TOC-Control L Report

Chem
g251017w1.tlx

Sample

Sample Name G764810-MSD1
Sample ID JE21106-4
Origin TOC AQ met
Status Completed
Chk. Result

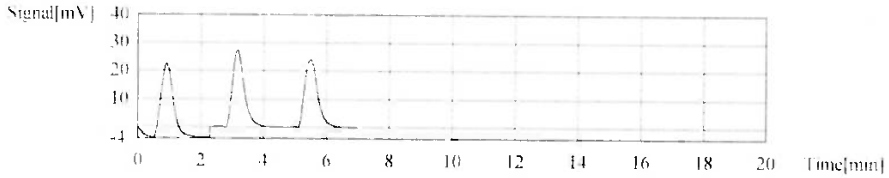
Type	Anal.	Result
Unknown	NPOC	NPOC 11.99mg/L

1. Det

Anal. NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	70.14	11.87mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/17/2025 8:49:19 PM
2	71.17	12.05mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/17/2025 8:51:56 PM
3	71.15	12.04mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/17/2025 8:54:32 PM

Acid Add 0.000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 70.82
SD Area 0.5800
CV Area 0.83%
No Washes 1



Sample

Sample Name JE21106-3
Sample ID
Origin TOC AQ met
Status Completed
Chk. Result

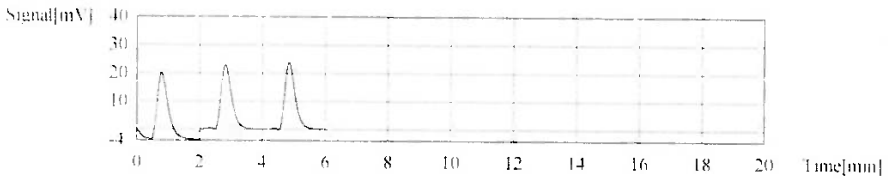
Type	Anal.	Result
Unknown	NPOC	NPOC 9.222mg/L

1. Det

Anal. NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	55.56	9.403mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/17/2025 9:10:50 PM
2	53.98	9.136mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/17/2025 9:13:11 PM
3	53.93	9.128mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/17/2025 9:15:31 PM

Acid Add 0.000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 54.49
SD Area 0.9270
CV Area 1.70%
No Washes 1



TOC-Control L Report

Chem
g251017w1.tlx

Sample

Sample Name	JE21106-5
Sample ID	
Origin	TOC\AQ.met
Status	Completed
Chk. Result	

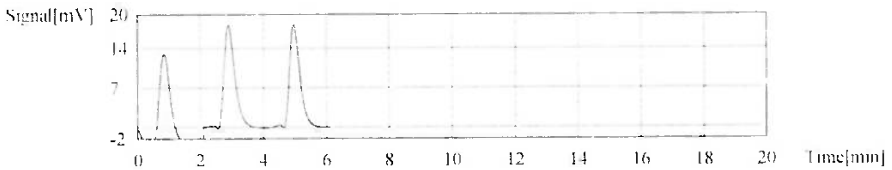
Type	Anal.	Result
Unknown	NPOC	NPOC 7.188mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	42.44	7.188mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/17/2025 9:31:55 PM
2	42.69	7.225mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/17/2025 9:34:21 PM
3	42.28	7.156mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/17/2025 9:36:36 PM

Acid Add	0.0009%
Sparge Gas Flow	80mL/min
Sp. Time	600.0sec
Mean Area	42.47
SD Area	0.2066
CV Area	0.49%
No Washes	1



Sample

Sample Name	JE21106-6
Sample ID	fieldBlank
Origin	TOC\AQ.met
Status	Completed
Chk. Result	

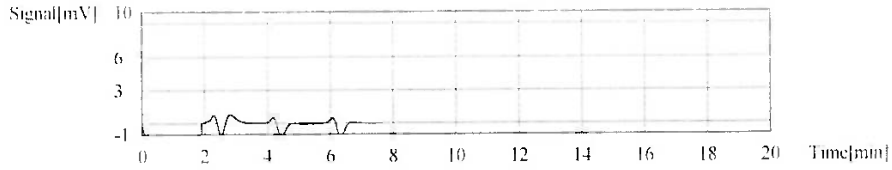
Type	Anal.	Result
Unknown	NPOC	NPOC 0.06400mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	3.912	0.6621mg/L	100uL	E	g250923w1 2025_09_23_13_11_27.cal	10/17/2025 9:52:18 PM
2	1.145	0.1938mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/17/2025 9:53:01 PM
3	0.000	0.000mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/17/2025 9:57:00 PM
4	0.000	0.000mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/17/2025 9:59:18 PM

Acid Add	0.0009%
Sparge Gas Flow	80mL/min
Sp. Time	600.0sec
Mean Area	0.3817
SD Area	0.6611
CV Area	173.21%
No Washes	1



TOC-Control L Report

Chem
p251017w1.tlx

Sample

Sample Name: CCVA
Sample ID:
Origin: TOC AQ met
Status: Completed
Chk. Result:

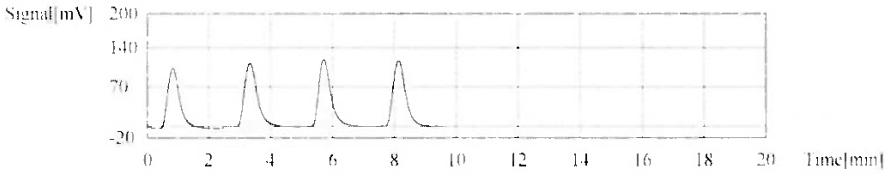
Type	Anal.	Result
Unknown	NPOC	NPOC 53.51mg/L

1 Det

Anal. NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	293.9	49.74mg/L	100uL		p250923w1 2025-09-23 13-11-27.cal	10/17/2025 10:15:59 PM
2	322.9	54.68mg/L	100uL		p250923w1 2025-09-23 13-11-27.cal	10/17/2025 10:18:47 PM
3	321.7	54.48mg/L	100uL		p250923w1 2025-09-23 13-11-27.cal	10/17/2025 10:21:21 PM
4	326.2	55.21mg/L	100uL		p250923w1 2025-09-23 13-11-27.cal	10/17/2025 10:23:50 PM

Acid Add: 0.1000 %
Sparge Gas Flow: 80mL/min
Sp. Time: 600.0sec
Mean Area: 316.2
SD Area: 14.97
CV Area: 4.74 %
No Washes: 1



Sample

Sample Name: CCB
Sample ID:
Origin: TOC AQ met
Status: Completed
Chk. Result:

Type	Anal.	Result
Unknown	NPOC	NPOC 0.03378mg/L

1 Det

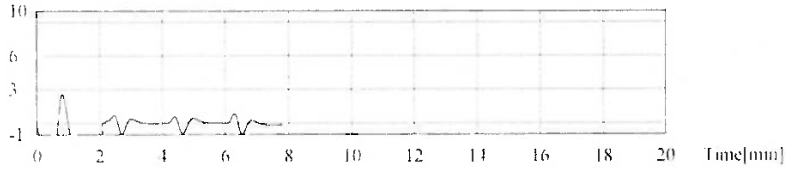
Anal. NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	15.22	2.570mg/L	100uL		p250923w1 2025-09-23 13-11-27.cal	10/17/2025 10:40:08 PM
2	0.250	0.06333mg/L	100uL		p250923w1 2025-09-23 13-11-27.cal	10/17/2025 10:42:22 PM
3	0.0704	0.01192mg/L	100uL		p250923w1 2025-09-23 13-11-27.cal	10/17/2025 10:44:27 PM
4	0.2734	0.04610mg/L	100uL		p250923w1 2025-09-23 13-11-27.cal	10/17/2025 10:46:32 PM

TOC-Control L Report

Chem
g251017w1.tlx

Acid Add	0.000%
Sparge Gas Flow	80mL/min
Sp. Time	600.0sec
Mean Area	0.1936
SD Area	0.1122
CV Area	56.21%
No Washes	1



Sample

Sample Name	JE21006-4
Sample ID	
Origin	TOCAQ.met
Status	Completed
Chk. Result	

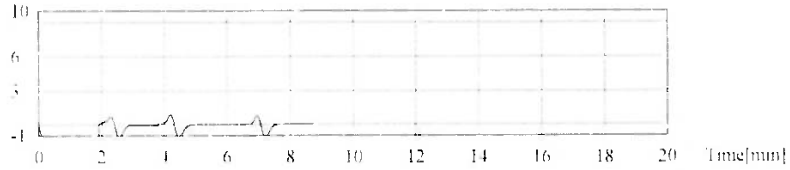
Type	Anal.	Result
Unknown	NPOC	NPOC 0.03007mg/L

1 Det

Anal. NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	0.7319	0.1239mg/L	100uL		g250923w1 2025-09-23 13-11-27.cal	10/17/2025 11:02:38 PM
2	0.000	0.000mg/L	100uL		g250923w1 2025-09-23 13-11-27.cal	10/17/2025 11:04:52 PM
3	0.000	0.000mg/L	100uL		g250923w1 2025-09-23 13-11-27.cal	10/17/2025 11:07:52 PM
4	0.000	0.000mg/L	100uL		g250923w1 2025-09-23 13-11-27.cal	10/17/2025 11:10:15 PM

Acid Add	0.000%
Sparge Gas Flow	80mL/min
Sp. Time	600.0sec
Mean Area	0.1830
SD Area	0.3660
CV Area	200.00%
No Washes	1



Sample

Sample Name	JE21110-4
Sample ID	
Origin	TOCAQ.met
Status	Completed
Chk. Result	

Type	Anal.	Result
Unknown	NPOC	NPOC 0.03824mg/L

1 Det

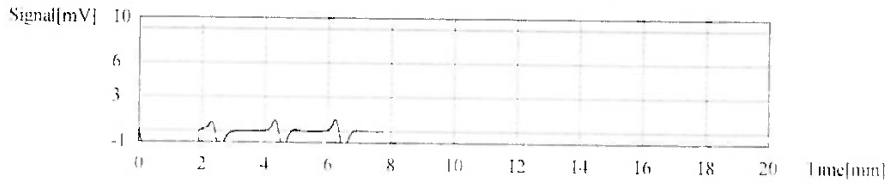
Anal. NPOC

TOC-Control L Report

Chem
g251017w1.tlx

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	0.0037	0.1529mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/17/2025 11:26:21 PM
2	0.000	0.000mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/17/2025 11:28:42 PM
3	0.000	0.000mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/17/2025 11:30:52 PM
4	0.000	0.000mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/17/2025 11:33:01 PM

Acid Add 0.000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 0.2259
SD Area 0.4819
CV Area 200.00%
No Washes 1



Sample

Sample Name: JE21112-1
Sample ID
Origin: TOC AQ met
Status Completed
Chk. Result

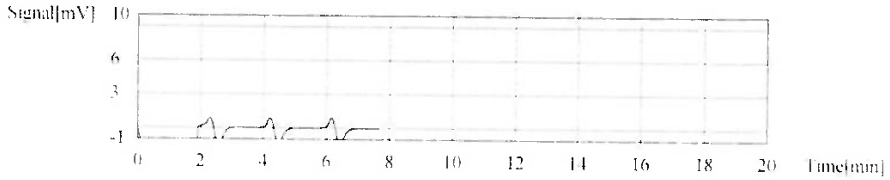
Type	Anal.	Result
Unknown	NPOC	NPOC 0.0370mg/L

1 Det

Anal. NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	0.8966	0.1517mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/17/2025 11:49:07 PM
2	0.000	0.000mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/17/2025 11:51:21 PM
3	0.000	0.000mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/17/2025 11:53:29 PM
4	0.000	0.000mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/17/2025 11:55:34 PM

Acid Add 0.000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 0.2242
SD Area 0.4483
CV Area 200.00%
No Washes 1



Sample

Sample Name JE21113-1
Sample ID drinking water
Origin TOC AQ met
Status Completed
Chk. Result

Type	Anal.	Result
Unknown	NPOC	NPOC 0.0161mg/L

1 Det

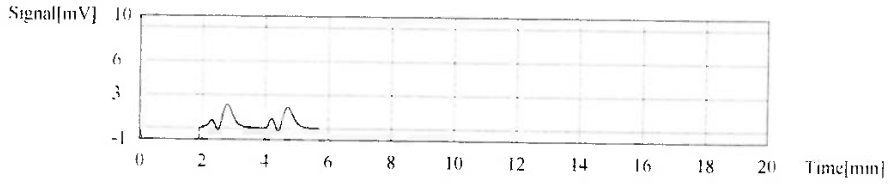
TOC-Control L Report

Chem
g251017w1.tlx

Anal : NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	5.575	0.9436mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 12:11:40 AM
2	5.496	0.9302mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 12:13:53 AM
3	5.167	0.8745mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 12:15:58 AM

Acid Add. 0.000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 5.413
SD Area 0.2164
CV Area 4.00%
No Washes 1



Sample

Sample Name GP64811-MB1
Sample ID [toc]
Origin TOCAQ.met
Status Completed
Chk. Result

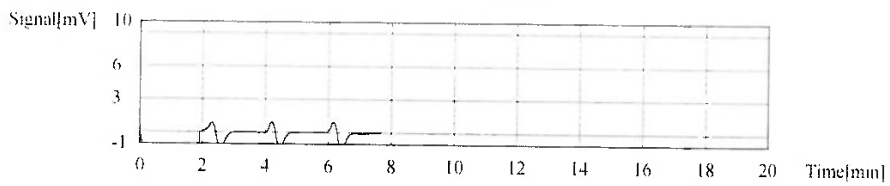
Type	Anal.	Result
Unknown	NPOC	NPOC 0.000mg/L

1 Det

Anal. NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	2.192	0.3710mg/L	100uL	E	g250923w1 2025_09_23_13_11_27.cal	10/18/2025 12:32:09 AM
2	0.000	0.000mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 12:34:22 AM
3	0.000	0.000mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 12:36:30 AM
4	0.000	0.000mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 12:38:35 AM

Acid Add. 0.000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 0.000
SD Area 0.000
CV Area 0.00%
No Washes 1



Sample

Sample Name GP64811-B1
Sample ID:
Origin TOCAQ.met
Status Completed
Chk. Result

Type	Anal.	Result
Unknown	NPOC	NPOC 10.61mg/L

TOC-Control L Report

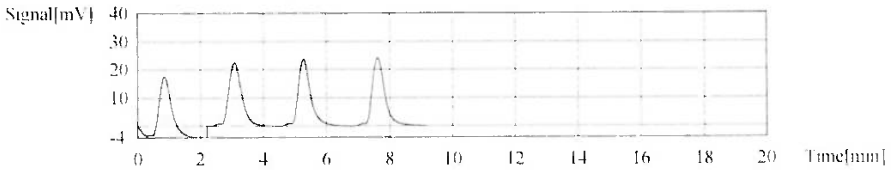
Chem
g251017w1.tlx

1 Det

Anal: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	55.97	9.473mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 12:54:59 AM
2	63.91	10.82mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 12:57:30 AM
3	65.06	11.01mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 1:00:06 AM
4	65.85	11.14mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 1:02:44 AM

Acid Add 0.000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 62.70
SD Area 4.555
CV Area 7.27%
No Washes 1



Sample

Sample Name JE21106-1
Sample ID
Origin TOC'AQ met
Status Completed
Chk. Result

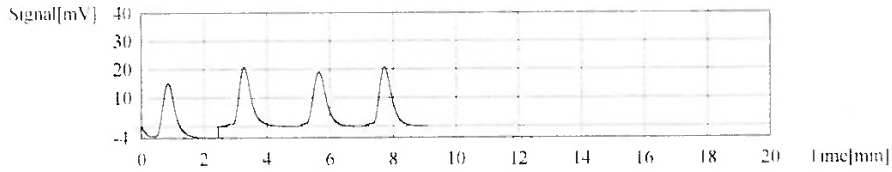
Type	Anal.	Result
Unknown	NPOC	NPOC: 9.471mg/L

1 Det

Anal: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	50.14	8.486mg/L	100uL	E	g250923w1 2025_09_23_13_11_27.cal	10/18/2025 1:19:23 AM
2	55.48	9.390mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 1:22:03 AM
3	55.48	9.390mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 1:24:20 AM
4	56.92	9.634mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 1:26:43 AM

Acid Add 0.000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 55.96
SD Area 0.8314
CV Area 1.49%
No Washes 1



Sample

Sample Name GP64811-S1
Sample ID JE21106-1
Origin TOC'AQ met
Status Completed
Chk. Result

TOC-Control L Report

Chem
g251017w1.tlk

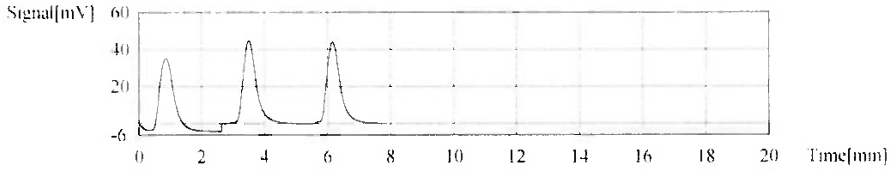
Type	Anal.	Result
Unknown	NPOC	NPOC 21.49mg/L

1 Det

Anal NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	119.9	20.29mg/L	100uL		g250923w1 2025/09/23 13:11:27.cal	10/18/2025 1:43:33 AM
2	131.6	22.27mg/L	100uL		g250923w1 2025/09/23 13:11:27.cal	10/18/2025 1:46:32 AM
3	129.8	21.92mg/L	100uL		g250923w1 2025/09/23 13:11:27.cal	10/18/2025 1:49:16 AM

Acid Add 0.000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 127.0
SD Area 6.238
CV Area 4.91%
No Washes 1



Sample

Sample Name: GP61811-MSD1
Sample ID: JE21106-1
Origin: TOCAQ met
Status: Completed
Chk. Result:

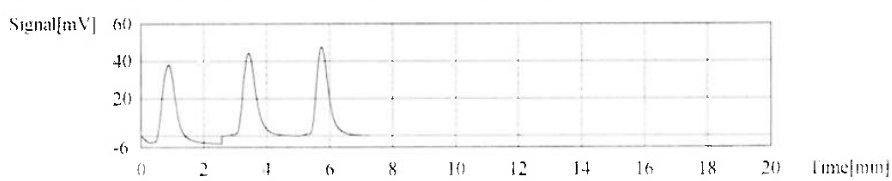
Type	Anal.	Result
Unknown	NPOC	NPOC 21.56mg/L

1 Det

Anal NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	124.0	20.96mg/L	100uL		g250923w1 2025/09/23 13:11:27.cal	10/18/2025 2:06:07 AM
2	128.9	21.82mg/L	100uL		g250923w1 2025/09/23 13:11:27.cal	10/18/2025 2:08:47 AM
3	129.2	21.87mg/L	100uL		g250923w1 2025/09/23 13:11:27.cal	10/18/2025 2:11:25 AM

Acid Add 0.000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 127.4
SD Area 2.919
CV Area 2.29%
No Washes 1



Sample

Sample Name: JE21104-1
Sample ID:
Origin: TOCAQ met
Status: Completed
Chk. Result:

TOC-Control L Report

Chem
g251017w1.tls

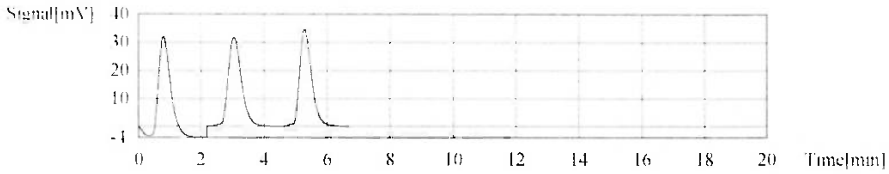
Type	Anal.	Result
Unknown	NPOC	NPOC 15.73mg/L

1 Det

Anal: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	93.89	15.89mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 2:27:53 AM
2	93.10	15.76mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 2:30:28 AM
3	92.99	15.73mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 2:32:53 AM

Acid Add 0.000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 92.96
SD Area 1.002
CV Area 1.08%
No Washes 1



Sample

Sample Name: CCV
Sample ID:
Origin: TOC AQ.met
Status: Completed
Chk. Result:

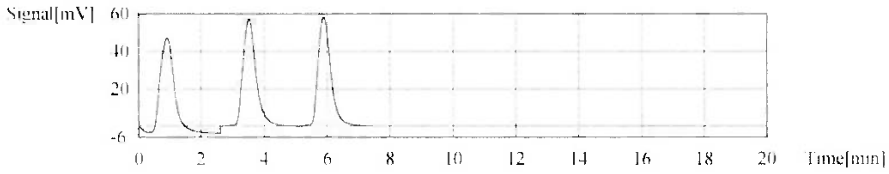
Type	Anal.	Result
Unknown	NPOC	NPOC 27.26mg/L

1 Det

Anal: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	156.6	26.50mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 2:49:46 AM
2	166.8	28.23mg/L	100uL	1	g250923w1 2025_09_23_13_11_27.cal	10/18/2025 2:52:20 AM
3	165.5	28.01mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 2:55:06 AM

Acid Add 0.000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 161.1
SD Area 6.293
CV Area 3.91%
No Washes 1



Sample

Sample Name: CCB
Sample ID:
Origin: TOCAQ.met
Status: Completed
Chk. Result:

TOC-Control L Report

Chem
g251017w1.0x

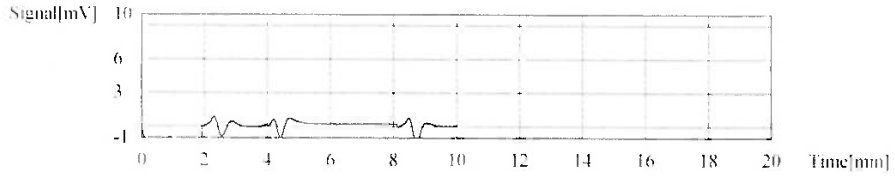
Type	Anal.	Result
Unknown	NPOC	NPOC 0.1568mg/L

1 Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	7.513	1.272mg/L	100uL	E	g250923w1.2025_09_23_13_11_27.cal	10/18/2025 3:11:19 AM
2	0.9699	0.1642mg/L	100uL		g250923w1.2025_09_23_13_11_27.cal	10/18/2025 3:13:32 AM
3	1.800	0.3062mg/L	100uL		g250923w1.2025_09_23_13_11_27.cal	10/18/2025 3:18:16 AM
4	0.000	0.000mg/L	100uL		g250923w1.2025_09_23_13_11_27.cal	10/18/2025 3:20:28 AM

Acid Add 0.000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 0.9263
SD Area 0.9053
CV Area 97.73%
No Washes 1



Sample

Sample Name JE20960-1
Sample ID
Origin TOC/AQ.met
Status Completed
Chk. Result

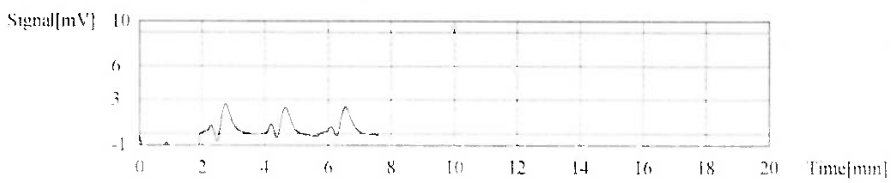
Type	Anal.	Result
Unknown	NPOC	NPOC 0.9608mg/L

1 Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	7.183	1.216mg/L	100uL	E	g250923w1.2025_09_23_13_11_27.cal	10/18/2025 3:36:35 AM
2	5.672	0.9600mg/L	100uL		g250923w1.2025_09_23_13_11_27.cal	10/18/2025 3:38:48 AM
3	5.722	0.9684mg/L	100uL		g250923w1.2025_09_23_13_11_27.cal	10/18/2025 3:40:53 AM
4	5.637	0.9540mg/L	100uL		g250923w1.2025_09_23_13_11_27.cal	10/18/2025 3:43:09 AM

Acid Add 0.000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 5.677
SD Area 0.04272
CV Area 0.753%
No Washes 1



Sample

TOC-Control L Report

Chem
g251017w1.tlx

Sample Name JF20960-2
Sample ID
Origin TOC AQ met
Status Completed
Chk. Result

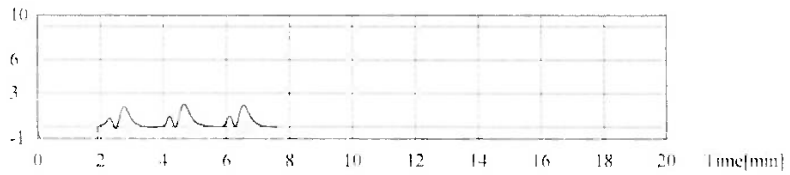
Type	Anal.	Result
Unknown	NPOC	NPOC 0.0943mg/L

1 Det

Anal. NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	6.314	1.069mg/L	100ul		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 3:59:16 AM
2	4.774	0.8080mg/L	100ul	E	g250923w1 2025_09_23_13_11_27.cal	10/18/2025 4:01:30 AM
3	5.647	0.9557mg/L	100ul		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 4:03:35 AM
4	5.663	0.9584mg/L	100ul		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 4:05:40 AM

Acid Add. 0.000%
Sparge Gas Flow 80ml/min
Sp. Time 600.0sec
Mean Area 5.875
SD Area 0.3836
CV Area 6.48%
No Washes 1



Sample

Sample Name JL21153-8
Sample ID field blank
Origin TOC AQ met
Status Completed
Chk. Result

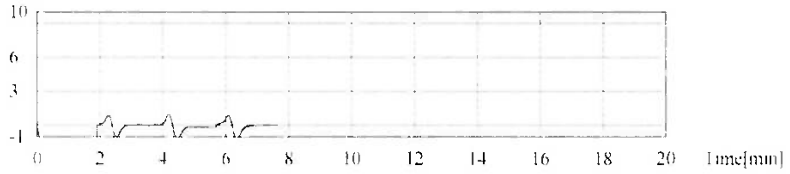
Type	Anal.	Result
Unknown	NPOC	NPOC 0.000mg/L

1 Det

Anal. NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	0.6139	0.1039mg/L	100ul	E	g250923w1 2025_09_23_13_11_27.cal	10/18/2025 4:21:47 AM
2	0.000	0.000mg/L	100ul		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 4:24:00 AM
3	0.000	0.000mg/L	100ul		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 4:26:08 AM
4	0.000	0.000mg/L	100ul		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 4:28:23 AM

Acid Add 0.000%
Sparge Gas Flow 80ml/min
Sp. Time 600.0sec
Mean Area 0.000
SD Area 0.000
CV Area 0.000%
No Washes 1



TOC-Control L Report

Chem
g251017w1.tlx

Sample

Sample Name JE21264-1
Sample ID
Origin TOCAQ.met
Status Completed
Chk. Result

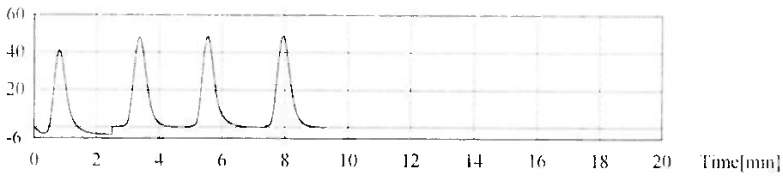
Type	Anal.	Result
Unknown	NPOC	NPOC 23.91mg/L

1 Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	127.0	21.40mg/L	100uL	E	g250923w1 2025_09_23_13_11_27.cal	10/18/2025 4:45:06 AM
2	141.2	23.90mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 4:47:38 AM
3	139.1	23.54mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 4:50:12 AM
4	143.5	24.20mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 4:52:38 AM

Acid Add 0.000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 141.3
SD Area 2.201
CV Area 1.56%
No Washes 1



Sample

Sample Name JE21264-2
Sample ID
Origin TOCAQ.met
Status Completed
Chk. Result

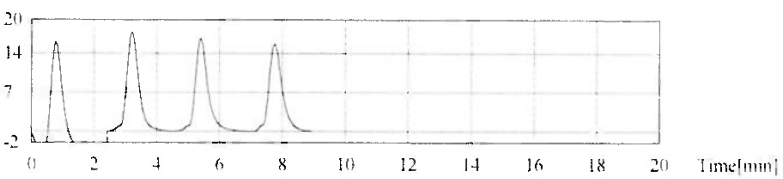
Type	Anal.	Result
Unknown	NPOC	NPOC 7.882mg/L

1 Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	52.50	8.001mg/L	100uL	E	g250923w1 2025_09_23_13_11_27.cal	10/18/2025 5:09:16 AM
2	46.70	7.910mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 5:11:48 AM
3	46.60	7.887mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 5:14:24 AM
4	46.33	7.841mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 5:16:56 AM

Acid Add. 0.000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 46.57
SD Area 0.2312
CV Area 0.50%
No Washes 1



TOC-Control L Report

C:\chem\
g251017w1.tlx

Sample

Sample Name: JE21264-3
Sample ID:
Origin: TOC/AQ met
Status: Completed
Chk. Result:

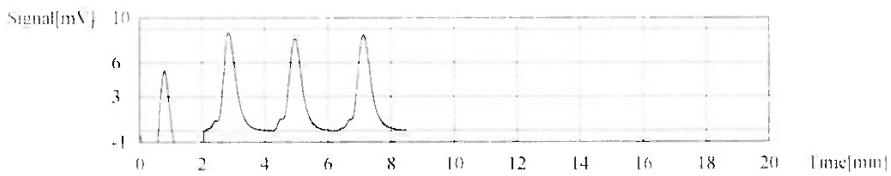
Type	Anal.	Result
Unknown	NPOC	NPOC 4.248mg/L

1. Det

Anal. NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	22.10	5.329mg/L	100uL	E	g250923w1 2025-09-23 13-11-27.cal	10/18/2025 5:32:52 AM
2	24.90	4.214mg/L	100uL		g250923w1 2025-09-23 13-11-27.cal	10/18/2025 5:35:15 AM
3	24.09	4.179mg/L	100uL		g250923w1 2025-09-23 13-11-27.cal	10/18/2025 5:37:30 AM
4	25.70	4.350mg/L	100uL		g250923w1 2025-09-23 13-11-27.cal	10/18/2025 5:40:08 AM

Acid Add: 0.000%
Sparge Gas Flow: 80mL/min
Sp. Time: 600.0sec
Mean Area: 25.10
SD Area: 0.5329
CV Area: 2.12%
No Washes: 1



Sample

Sample Name: GP648H-MB1
Sample ID: [toc]
Origin: TOC/AQ met
Status: Completed
Chk. Result:

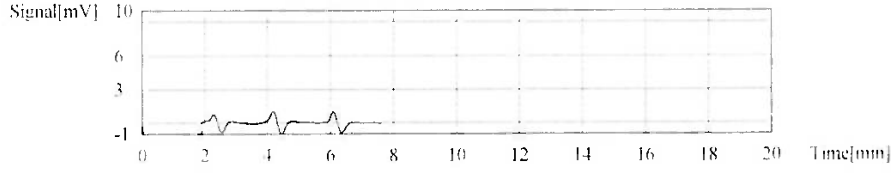
Type	Anal.	Result
Unknown	NPOC	NPOC 0.00260mg/L

1. Det

Anal. NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	2.386	0.4038mg/L	100uL	E	g250923w1 2025-09-23 13-11-27.cal	10/18/2025 5:56:15 AM
2	0.000	0.000mg/L	100uL		g250923w1 2025-09-23 13-11-27.cal	10/18/2025 5:58:33 AM
3	0.04710	0.00797mg/L	100uL		g250923w1 2025-09-23 13-11-27.cal	10/18/2025 6:00:43 AM
4	0.000	0.000mg/L	100uL		g250923w1 2025-09-23 13-11-27.cal	10/18/2025 6:02:48 AM

Acid Add: 0.000%
Sparge Gas Flow: 80mL/min
Sp. Time: 600.0sec
Mean Area: 0.01570
SD Area: 0.02719
CV Area: 173.21%
No Washes: 1



TOC-Control L Report

Chem
g251017w1.tlx

Sample

Sample Name: GP6481I-B1
Sample ID:
Origin: TOC'AQ met
Status Completed
Chk. Result

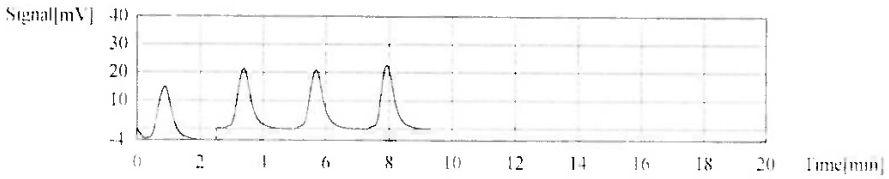
Type	Anal.	Result
Unknown	NPOC	NPOC 10.61mg/L

1 Det

Anal. NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	55.08	9.474mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 6:19:32 AM
2	63.60	10.70mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 6:22:14 AM
3	64.46	10.91mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 6:24:56 AM
4	66.75	11.30mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 6:27:00 AM

Acid Add 0.000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 62.70
SD Area 4.67
CV Area 7.45%
No Washes 3



Sample

Sample Name: JF21034-1
Sample ID
Origin: TOC'AQ met
Status Completed
Chk. Result

Type	Anal.	Result
Unknown	NPOC	NPOC 2.228mg/L

1 Det

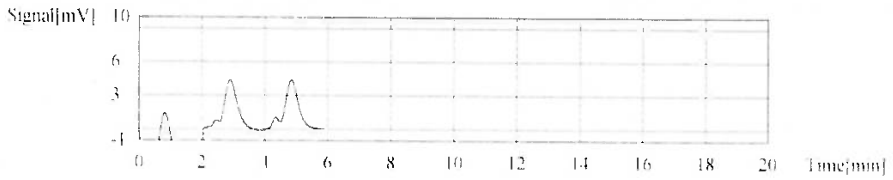
Anal. NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	12.00	2.183mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 6:43:22 AM
2	12.04	2.190mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 6:45:39 AM
3	13.06	2.312mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 6:47:50 AM

TOC-Control L Report

Chem
g251017w1.tlx

Acid Add	0.000%
Sparge Gas Flow	80mL/min
Sp. Time	600.0sec
Mean Area	13.17
SD Area	0.4277
CV Area	3.25%
No Washes	1



Sample

Sample Name	GP64841-ST
Sample ID	IE21034-1
Origin	TOCAQ.met
Status	Completed
Chk. Result	

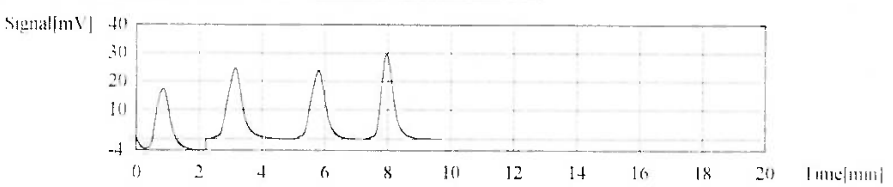
Type	Anal.	Result
Unknown	NPOC	NPOC 13.43mg/L

1 Det

Anal. NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	64.48	10.01mg/L	100uL	E	g250923w1_2025_09_23_13_11_27.cal	10/18/2025 7:04:22 AM
2	80.01	13.5 mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/18/2025 7:07:18 AM
3	77.69	13.13mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/18/2025 7:09:48 AM
4	80.47	13.60mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/18/2025 7:12:31 AM

Acid Add	0.000%
Sparge Gas Flow	80mL/min
Sp. Time	600.0sec
Mean Area	79.33
SD Area	1.506
CV Area	1.90%
No Washes	1



Sample

Sample Name	CCVA
Sample ID	
Origin	TOCAQ.met
Status	Completed
Chk. Result	

Type	Anal.	Result
Unknown	NPOC	NPOC 53.54mg/L

1 Det

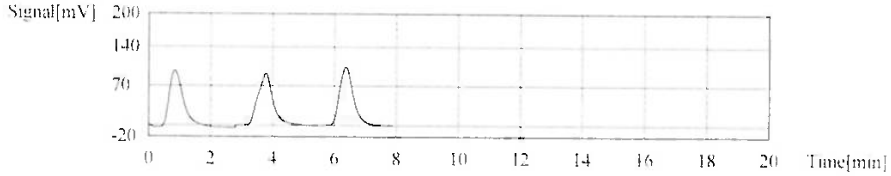
Anal. NPOC

TOC-Control L Report

Chem
g251017w1.tlx

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	320.8	54.50mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 7:29:32 AM
2	305.6	51.72mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 7:32:57 AM
3	322.7	54.62mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 7:36:18 AM

Acid Add. 0.000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 316.4
SD Area 9.372
CV Area 2.96%
No Washes 1



Sample

Sample Name: CCB
Sample ID:
Origin: TOCAQ met
Status: Completed
Chk. Result:

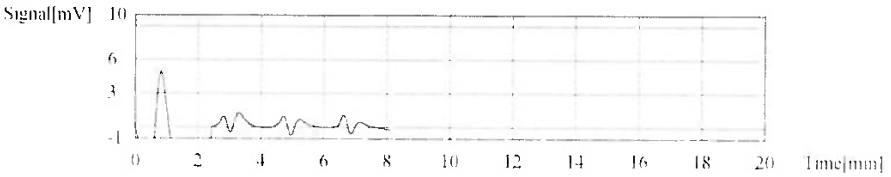
Type	Anal.	Result
Unknown	NPOC	NPOC 0.4563mg/L

1 Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	23.70	3.978mg/L	100uL	1	g250923w1 2025_09_23_13_11_27.cal	10/18/2025 7:52:01 AM
2	3.774	0.6387mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 7:54:14 AM
3	1.955	0.3309mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 7:56:28 AM
4	2.360	0.3994mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 7:58:35 AM

Acid Add. 0.000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 2.696
SD Area 0.9550
CV Area 35.42%
No Washes 1



Sample

Sample Name: GP64841-MSD1
Sample ID: JE21034-1
Origin: TOCAQ met
Status: Completed
Chk. Result:

Type	Anal.	Result
Unknown	NPOC	NPOC 13.15mg/L

1 Det

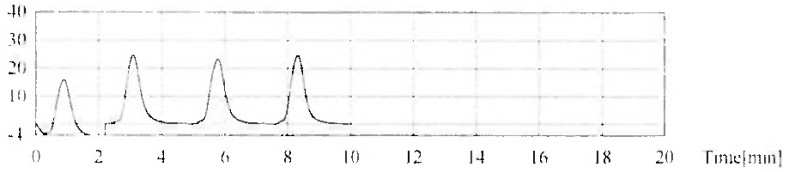
TOC-Control L Report

Chem
g251017w1.tlx

Anal: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	60.23	10.19mg/L	100uL	E	g250923w1 2025_09_23_13_11_27.cal	10/18/2025 8:15:00 AM
2	78.72	14.32mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 8:17:39 AM
3	76.83	13.98mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 8:20:47 AM
4	77.84	14.12mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 8:23:35 AM

Acid Add: 0.0000%
Sparge Gas Flow: 80mL/min
Sp. Time: 600.0sec
Mean Area: 77.70
SD Area: 0.9847
CV Area: 1.27%
No Washes: 1



Sample

Sample Name: JE21034-6
Sample ID:
Origin: TOC AQ met
Status: Completed
Chk. Result:

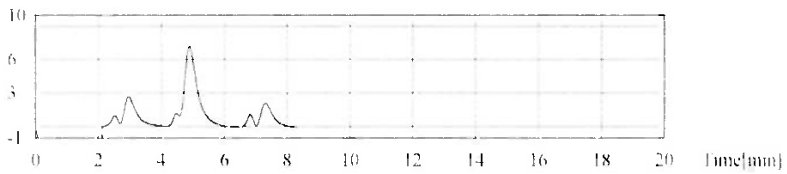
Type	Anal.	Result
Unknown	NPOC	NPOC=14.285mg/L

1 Det

Anal: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	7.690	1.302mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 8:39:55 AM
2	8.158	1.381mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 8:42:12 AM
3	21.86	3.700mg/L	100uL	E	g250923w1 2025_09_23_13_11_27.cal	10/18/2025 8:44:45 AM
4	6.931	1.173mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 8:46:54 AM

Acid Add: 0.0000%
Sparge Gas Flow: 80mL/min
Sp. Time: 600.0sec
Mean Area: 7.893
SD Area: 0.6192
CV Area: 8.16%
No Washes: 1



Sample

Sample Name: JE21291-1
Sample ID:
Origin: TOC AQ met
Status: Completed
Chk. Result:

Type	Anal.	Result
Unknown	NPOC	NPOC=453.2mg/L

17.4 17

TOC-Control L Report

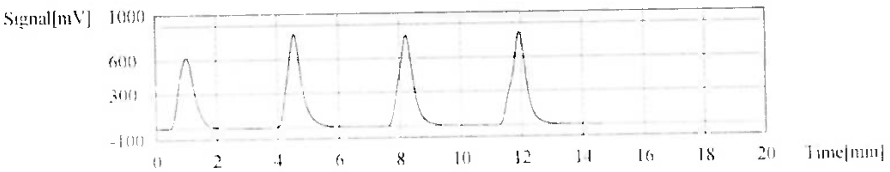
Chem
g251017w1.tlx

1 Det

Anal: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	2234	378.1mg/L	100uL	E	g250923w1 2025_09_23_13_11_27.cal	10/18/2025 9:04:30 AM
2	2654	449.2mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 9:08:45 AM
3	2652	448.8mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 9:12:42 AM
4	2727	461.5mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 9:16:59 AM

Acid Add	0.000%
Sparge Gas Flow	80mL/min
Sp. Time	600.0sec
Mean Area	2678
SD Area	12.71
CV Area	1.60%
No Washes	1



Sample

Sample Name	JE21291-2
Sample ID	
Origin	TOC/AQ-met
Status	Completed
Chk. Result	

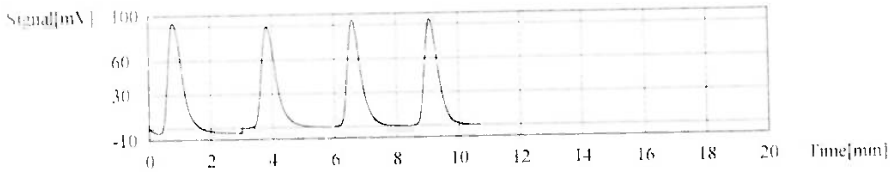
Type	Anal.	Result
Unknown	NPOC	NPOC: 40.19mg/L

1 Det

Anal: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	3202	541.9mg/L	100uL	E	g250923w1 2025_09_23_13_11_27.cal	10/18/2025 9:34:12 AM
2	2957	500.5mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 9:37:24 AM
3	2872	486.1mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 9:40:03 AM
4	2801	474.0mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 9:42:40 AM

Acid Add	0.000%
Sparge Gas Flow	80mL/min
Sp. Time	600.0sec
Mean Area	2990.7
SD Area	44.61
CV Area	1.53%
No Washes	1



Sample

Sample Name	JE21291-3
Sample ID	field blank
Origin	TOC/AQ-met
Status	Completed
Chk. Result	

TOC-Control L Report

Chem
g251017w1.tlx

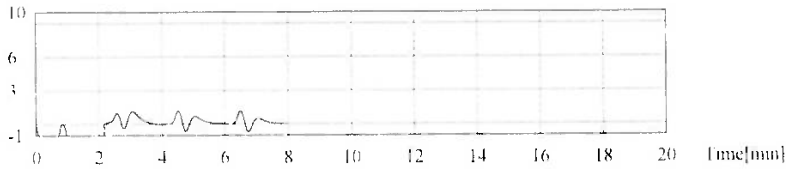
Type	Anal.	Result
Unknown	NPOC	NPOC 0.4500mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	9.745	1.649mg/L	100uL	E	g250923w1 2025_09_23_13_11_27.cal	10/18/2025 9:59:03 AM
2	3.609	0.610mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 10:01:22 AM
3	2.491	0.422mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 10:03:32 AM
4	1.864	0.315mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 10:05:37 AM

Acid Add	0.000%
Sparge Gas Flow	80mL/min
Sp. Time	600.0sec
Mean Area	2.662
SD Area	0.8747
CV Area	32.86%
No Washes	1



Sample

Sample Name	JE21293-2
Sample ID	
Origin	TOCAQ.met
Status	Completed
Chk. Result	

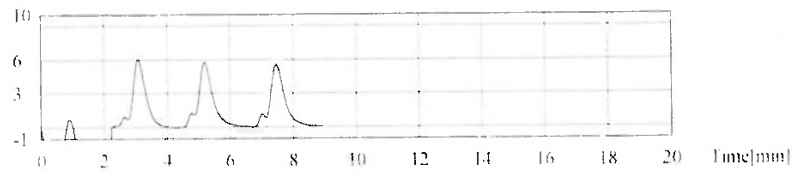
Type	Anal.	Result
Unknown	NPOC	NPOC 3.029mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	12.03	2.036mg/L	100uL	E	g250923w1 2025_09_23_13_11_27.cal	10/18/2025 10:22:04 AM
2	17.34	2.934mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 10:24:36 AM
3	18.31	3.100mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 10:27:04 AM
4	18.04	3.053mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 10:29:34 AM

Acid Add	0.000%
Sparge Gas Flow	80mL/min
Sp. Time	600.0sec
Mean Area	17.90
SD Area	0.8006
CV Area	2.80%
No Washes	1



Sample

TOC-Control L Report

Chem
g251017w1.tlx

Sample Name CCV
Sample ID
Origin TOC-AQ met
Status Completed
Chk. Result

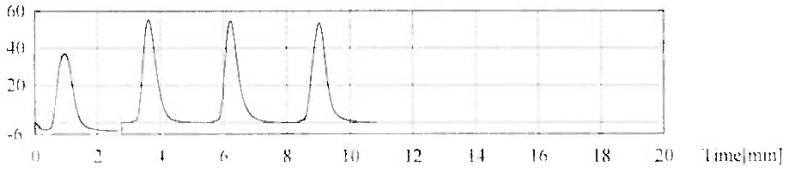
Type	Anal.	Result
Unknown	NPOC	NPOC 27.22mg/L

1 Det

Anal. NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	1411.0	23.80mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/18/2025 10:36:33 AM
2	1663	28.15mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/18/2025 10:40:28 AM
3	1653	27.98mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/18/2025 10:52:25 AM
4	1708	28.91mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/18/2025 10:55:20 AM

Acid Add 0.0009%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 1609
SD Area 13.45
CV Area 8.36%
No Washes 1



Sample

Sample Name CCB
Sample ID
Origin TOC-AQ met
Status Completed
Chk. Result

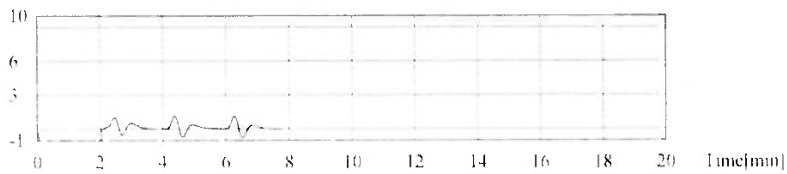
Type	Anal.	Result
Unknown	NPOC	NPOC 0.2439mg/L

1 Det

Anal. NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	6.590	1.115mg/L	100uL	E	g250923w1_2025_09_23_13_11_27.cal	10/18/2025 11:11:37 AM
2	1.884	0.318mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/18/2025 11:13:50 AM
3	1.380	0.233mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/18/2025 11:15:55 AM
4	1.060	0.179mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/18/2025 11:18:00 AM

Acid Add 0.0009%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 1.441
SD Area 0.415
CV Area 28.82%
No Washes 1



TOC-Control L Report

Chem
g251017w1.tlx

Sample

Sample Name SPARGERCHK
Sample ID
Origin TOC/AQ met
Status Completed
Chk. Result

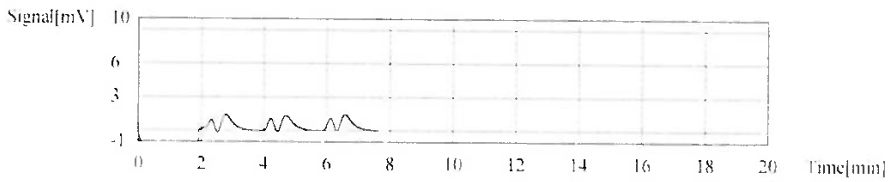
Type	Anal.	Result
Unknown	NPOC	NPOC 0.7392mg/L

1 Det

Anal. NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	3.790	0.6414mg/L	100uL		g250923w1 2025-09-23 13-11-27.cal	10/18/2025 11:34:07 AM
2	4.283	0.7249mg/L	100uL		g250923w1 2025-09-23 13-11-27.cal	10/18/2025 11:36:24 AM
3	4.504	0.7623mg/L	100uL		g250923w1 2025-09-23 13-11-27.cal	10/18/2025 11:38:29 AM
4	4.894	0.8283mg/L	100uL		g250923w1 2025-09-23 13-11-27.cal	10/18/2025 11:40:36 AM

Acid Add 0.000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 4.368
SD Area 0.4606
CV Area 10.55%
No Washes 1



Sample

Sample Name CCVA
Sample ID 0ctm10
Origin TOC/AQ met
Status Completed
Chk. Result

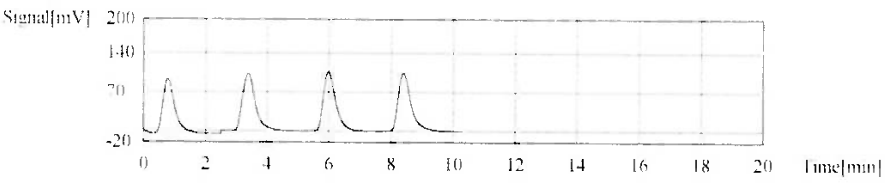
Type	Anal.	Result
Unknown	NPOC	NPOC 50.75mg/L

1 Det

Anal. NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	258.4	43.73mg/L	100uL		g250923w1 2025-09-23 13-11-27.cal	10/20/2025 10:58:35 AM
2	298.6	50.54mg/L	100uL		g250923w1 2025-09-23 13-11-27.cal	10/21/2025 11:01:35 AM
3	296.4	50.16mg/L	100uL		g250923w1 2025-09-23 13-11-27.cal	10/20/2025 11:04:15 AM
4	304.6	51.55mg/L	100uL		g250923w1 2025-09-23 13-11-27.cal	10/20/2025 11:07:12 AM

Acid Add 0.000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 299.0
SD Area 12.11
CV Area 1.429%
No Washes 1



17.4 17

TOC-Control L Report

Chem
g251017w1.tlx

Sample

Sample Name: CCB
Sample ID:
Origin: TOC'AQ met
Status: Completed
Chk. Result:

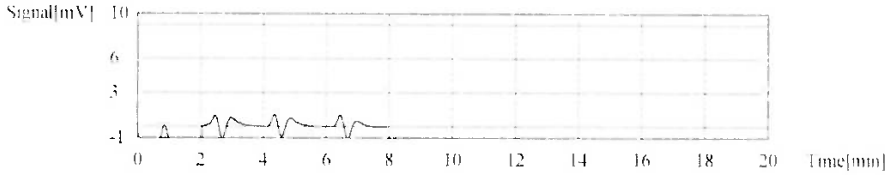
Type	Anal.	Result
Unknown	NPOC	NPOC 0.2283mg/L

1 Det

Anal. NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	11.37	1.924mg/L	300uL	E	g250923w1.2025_09_23_13_11_27.cal	10/20/2025 11:23:28 AM
2	1.313	0.2222mg/L	100uL		g250923w1.2025_09_23_13_11_27.cal	10/20/2025 11:25:41 AM
3	1.736	0.2938mg/L	100uL		g250923w1.2025_09_23_13_11_27.cal	10/20/2025 11:27:58 AM
4	0.9081	0.1537mg/L	100uL		g250923w1.2025_09_23_13_11_27.cal	10/20/2025 11:30:02 AM

Acid Add 0.0009%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 1.340
SD Area 0.3703
CV Area 27.45%
No Washes 1



Sample

Sample Name: JE21291-1
Sample ID:
Origin: TOC'AQ met
Status: Completed
Chk. Result:

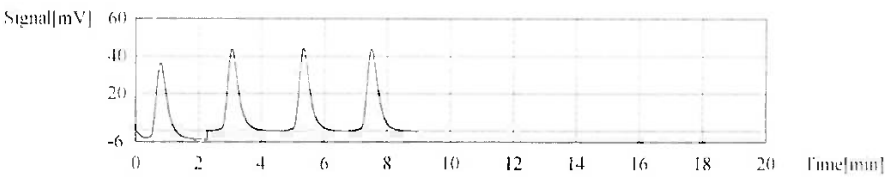
Type	Anal.	Result
Unknown	NPOC	NPOC 3697mg/L

1 Det

Anal. NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	97.41	329.7mg/L	100uL	E	g250923w1.2025_09_23_13_11_27.cal	10/20/2025 11:46:31 AM
2	108.1	365.8mg/L	100uL		g250923w1.2025_09_23_13_11_27.cal	10/20/2025 11:49:07 AM
3	109.8	371.7mg/L	100uL		g250923w1.2025_09_23_13_11_27.cal	10/20/2025 11:51:27 AM
4	110.4	373.7mg/L	100uL		g250923w1.2025_09_23_13_11_27.cal	10/20/2025 11:53:38 AM

Acid Add 0.0009%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 108.4
SD Area 1.823
CV Area 1.68%
No Washes 1



17.4 17

TOC-Control L Report

Chem
g251017w1.tlx

Sample

Sample Name CCV
Sample ID
Origin TOC'AQ met
Status Completed
Chk. Result

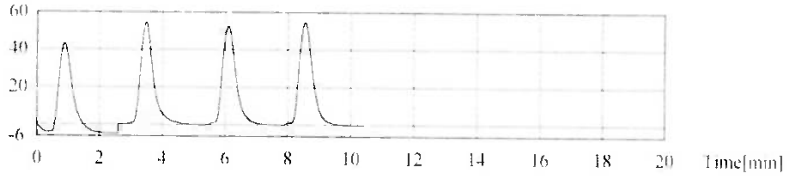
Type	Anal.	Result
Unknown	NPOC	NPOC 26.84mg/L

1 Det

Anal. NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	141.4	23.93mg/L	100uL	F	g250923w1 2025-09-23 13-11-27.cal	10/20/2025 12:10:47 PM
2	155.7	26.35mg/L	100uL		g250923w1 2025-09-23 13-11-27.cal	10/20/2025 12:13:47 PM
3	155.5	26.66mg/L	100uL		g250923w1 2025-09-23 13-11-27.cal	10/20/2025 12:16:24 PM
4	162.6	27.53mg/L	100uL		g250923w1 2025-09-23 13-11-27.cal	10/20/2025 12:19:21 PM

Acid Add 0.0001%
Sparge Gas Flow 80ml/min
Sp. Time 600.0sec
Mean Area 158.6
SD Area 3.579
CV Area 2.26%
No Washes 1



Sample

Sample Name CCB
Sample ID
Origin TOC'AQ met
Status Completed
Chk. Result

Type	Anal.	Result
Unknown	NPOC	NPOC 0.06587mg/L

1 Det

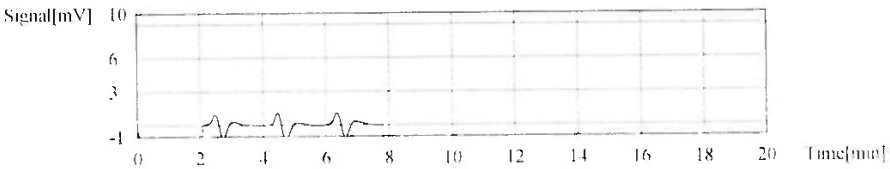
Anal. NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	7.560	1.281mg/L	100uL	F	g250923w1 2025-09-23 13-11-27.cal	10/20/2025 12:35:39 PM
2	0.4045	0.0684mg/L	100uL		g250923w1 2025-09-23 13-11-27.cal	10/20/2025 12:37:57 PM
3	0.000	0.000mg/L	100uL		g250923w1 2025-09-23 13-11-27.cal	10/20/2025 12:40:03 PM
4	0.763	0.1292mg/L	100uL		g250923w1 2025-09-23 13-11-27.cal	10/20/2025 12:42:12 PM

TOC-Control L Report

Chem
g251017w1.tlX

Acid Add.	0.000%
Sparge Gas Flow	80mL/min
Sp. Time	600.0sec
Mean Area	0.3892
SD Area	0.3818
CV Area	98.09%
No Washes	1



Sample

Sample Name:	SPARGERCHK
Sample ID:	
Origin:	TOCAQ.met
Status	Completed
Chk. Result	

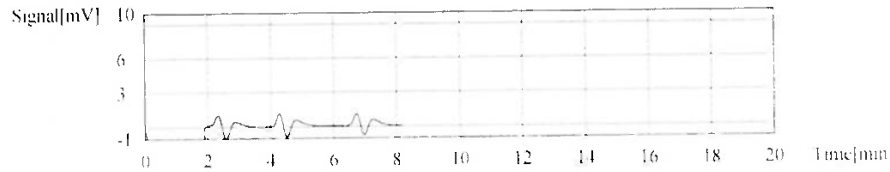
Type	Anal.	Result
Unknown	NPOC	NPOC 0.2022mg/L

1 Det

Anal. NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	3.503	0.5020mg/L	100uL	E	g250923w1 2025_09_23_13_11_27.cal	10/20/2025 12:58:20 PM
2	1.022	0.1730mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/20/2025 1:00:35 PM
3	1.638	0.2772mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/20/2025 1:03:14 PM
4	1.988	0.3365mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/20/2025 1:05:24 PM

Acid Add.	0.000%
Sparge Gas Flow	80ml/min
Sp. Time	600.0sec
Mean Area	1.549
SD Area	0.4891
CV Area	31.57%
No Washes	1



LABORATORY REVIEW SIGNATURE FORM
(To be stored with the raw data)

File ID: F25102001.TXT Date Analyzed: 10/15/25 Methods: EPA 300/SW846 9056A
Analyst: MS Run ID: GN75008

The following analyst(s) have reviewd this run and attest that, to the best of their knowledge, this documentation is complete and correct:

Analyst: SS Date 10/24/25

Analyst: _____ Date _____

Analyst: _____ Date _____

Analyst: _____ Date _____

Analyst: _____ Date _____

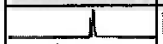
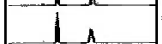
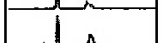
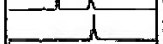
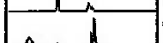
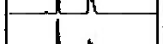
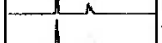
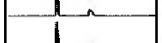
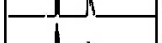
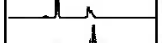
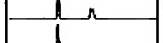
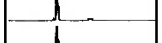
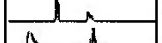
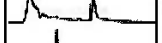
Analyst: _____ Date _____

Analyst: _____ Date _____

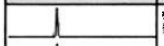
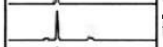
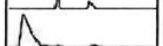
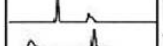
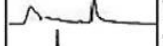
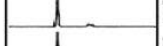
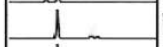
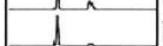
The following supervisor or their designee has reviewed this run and attests that, to the best of their knowledge, this documentation is complete and correct:

Supervisor (or designee): _____ Date _____

Sequence: F25102001
Last Update Operator: Chemistry

CD	Name	Type	Position	Dilution	Comment	Level	Volume	Status	Inject Time	Instrument Method
	STDA 3	Calibration Standard	44	1.0000		1	5000	Finished	10/15/2025 11:12:26 AM	7 anion_multiple injectio
	STDC	Calibration Standard	45	1.0000		2	5000	Finished	10/15/2025 11:25:20 AM	7 anion_multiple injectio
	STDD	Calibration Standard	46	1.0000		3	5000	Finished	10/15/2025 11:38:16 AM	7 anion_multiple injectio
	STDE	Calibration Standard	47	1.0000		4	5000	Finished	10/15/2025 11:51:12 AM	7 anion_multiple injectio
	STDF	Calibration Standard	48	1.0000		5	5000	Finished	10/15/2025 12:04:08 PM	7 anion_multiple injectio
	STDG	Calibration Standard	49	1.0000		6	5000	Finished	10/15/2025 12:17:03 PM	7 anion_multiple injectio
	ICV	Unknown	50	1.0000			5000	Finished	10/15/2025 12:29:59 PM	7 anion_multiple injectio
	washconf	Unknown	1	1.0000			5000	Finished	10/20/2025 12:42:21 PM	7 anion_multiple injectio
	washconf	Unknown	2	1.0000			5000	Finished	10/20/2025 12:54:48 PM	7 anion_multiple injectio
	washconf	Unknown	3	1.0000			5000	Finished	10/20/2025 1:07:44 PM	7 anion_multiple injectio
	CCV	Unknown	4	1.0000			5000	Finished	10/20/2025 1:20:39 PM	7 anion_multiple injectio
	CCB	Unknown	5	1.0000			5000	Finished	10/20/2025 1:33:35 PM	7 anion_multiple injectio
	JE21190-2	Unknown	6	4.0000			5000	Finished	10/20/2025 7:28:47 PM	7 anion_multiple injectio
	JE21190-3	Unknown	7	5.0000			5000	Finished	10/20/2025 7:41:12 PM	7 anion_multiple injectio
	JE21190-4	Unknown	8	6.0000			5000	Finished	10/20/2025 7:54:07 PM	7 anion_multiple injectio
	JE21190-5	Unknown	9	3.0000			5000	Finished	10/20/2025 8:07:04 PM	7 anion_multiple injectio
	JE21190-7	Unknown	10	10.0000			5000	Finished	10/20/2025 8:19:59 PM	7 anion_multiple injectio
	JE21190-8	Unknown	11	10.0000			5000	Finished	10/20/2025 8:32:54 PM	7 anion_multiple injectio
	GP64893-MB1	Unknown	12	1.0000			5000	Finished	10/20/2025 8:45:49 PM	7 anion_multiple injectio
	GP64893-B1	Unknown	13	1.0000			5000	Finished	10/20/2025 8:58:44 PM	7 anion_multiple injectio
	GP64893-S1	Unknown	14	1.0000			5000	Finished	10/20/2025 9:11:40 PM	7 anion_multiple injectio
	GP64893-MSD1	Unknown	15	1.0000			5000	Finished	10/20/2025 9:24:35 PM	7 anion_multiple injectio
	CCV	Unknown	16	1.0000			5000	Finished	10/20/2025 9:37:30 PM	7 anion_multiple injectio
	CCB	Unknown	17	1.0000			5000	Finished	10/20/2025 9:50:25 PM	7 anion_multiple injectio
	JE20825-1	Unknown	18	1.0000			5000	Finished	10/20/2025 10:03:21 PM	7 anion_multiple injectio
	JE21351-3	Unknown	19	1.0000			5000	Finished	10/20/2025 10:16:16 PM	7 anion_multiple injectio
	JE21351-4	Unknown	20	1.0000			5000	Finished	10/20/2025 10:29:12 PM	7 anion_multiple injectio

Sequence: F25102001
Last Update Operator: Chemistry

CD	Name	Type	Position	Dilution	Comment	Level	Volume	Status	Inject Time	Instrument Method
	JE21351-5	Unknown	21	1.0000			5000	Finished	10/20/2025 10:42:07 PM	7 anion_multiple injectio
	JE21291-1	Unknown	22	1.0000			5000	Finished	10/20/2025 10:55:02 PM	7 anion_multiple injectio
	JE21291-2	Unknown	23	5.0000			5000	Finished	10/20/2025 11:07:58 PM	7 anion_multiple injectio
	JE21291-3	Unknown	24	1.0000			5000	Finished	10/20/2025 11:20:54 PM	7 anion_multiple injectio
	JE21351-6	Unknown	25	1.0000			5000	Finished	10/20/2025 11:33:50 PM	7 anion_multiple injectio
	JE21351-7	Unknown	26	1.0000			5000	Finished	10/20/2025 11:46:46 PM	7 anion_multiple injectio
	JE21351-8	Unknown	27	1.0000			5000	Finished	10/20/2025 11:59:41 PM	7 anion_multiple injectio
	CCV	Unknown	28	1.0000			5000	Finished	10/21/2025 12:12:37 AM	7 anion_multiple injectio
	CCB	Unknown	29	1.0000			5000	Finished	10/21/2025 12:25:32 AM	7 anion_multiple injectio
	JE21351-9	Unknown	30	1.0000			5000	Finished	10/21/2025 12:38:28 AM	7 anion_multiple injectio
	JE21351-10	Unknown	31	1.0000			5000	Finished	10/21/2025 12:51:24 AM	7 anion_multiple injectio
	JE21351-11	Unknown	32	1.0000			5000	Finished	10/21/2025 1:04:18 AM	7 anion_multiple injectio
	JE21351-12	Unknown	33	1.0000			5000	Finished	10/21/2025 1:17:14 AM	7 anion_multiple injectio
	JE21351-13	Unknown	34	1.0000			5000	Finished	10/21/2025 1:30:09 AM	7 anion_multiple injectio
	JE21351-14	Unknown	35	1.0000			5000	Finished	10/21/2025 1:43:01 AM	7 anion_multiple injectio
	JE20825-3	Unknown	36	1.0000			5000	Finished	10/21/2025 1:55:52 AM	7 anion_multiple injectio
	JE20825-5	Unknown	37	1.0000			5000	Finished	10/21/2025 2:08:47 AM	7 anion_multiple injectio
	JE21034-1	Unknown	38	1.0000			5000	Finished	10/21/2025 2:21:43 AM	7 anion_multiple injectio
	JE21034-6	Unknown	39	1.0000			5000	Finished	10/21/2025 1:23:43 PM	7 anion_multiple injectio
	CCV	Unknown	40	1.0000			5000	Finished	10/21/2025 1:36:35 PM	7 anion_multiple injectio
	CCB	Unknown	41	1.0000			5000	Finished	10/21/2025 1:52:45 PM	7 anion_multiple injectio

SGS

Anions Standard Preparation Log

Class A pipet used :

Autopipet used : 59

Date 10/20/2025

GN Number GN75008

Intermediate Standard Description	Stock Standard used for preparation	Stock concentration	Anion	Stock volume or weight used with units	Diluent	Final Volume	Final Conc. of Intermediate (mg/l)	Expiration Date	Analyst	Date
GNE9-79634-IC	SPEC S250611030	4000ppm	CHL/SO4	2.5 ml	DI	100 mL	100ppm	11/13/2025	SS	10/13/2025
GNE9-79635-IC	SPEC S250611031	100ppm	F	20ml	DI	100 mL	20ppm	11/13/2025	SS	10/13/2025
GNE9-79636-IC	SPEC S250611029	100ppm	BRO	20ml	DI	100 mL	20ppm	11/13/2025	SS	10/13/2025
ICV GNE9-79637-IC	SPEC S250129034	200 ppm	CHL/SO4	50 ml	DI	100 mL	100 ppm	11/13/2025	SS	10/13/2025
	SPEC S250611037	100 ppm	F/BRO	3 ml	DI		3 ppm			

Standard Description	Intermediate or Stock used to prepare standard	Intermediate or Stock concentration	Anion	Intermediate or Stock volume used in ml	Diluent	Final Volume	Final Conc. of Standard (mg/l)	Expiration Date	Analyst	Date
STD C GNE9-79638-IC	GNE9-79634-IC	100ppm	CHL/SO4	2.0ml	DI	100 mL	2ppm	11/13/2025	SS	10/13/2025
	SPEC S250611029	100ppm	BRO	0.5ml			0.5ppm			
	GNE9-79635-IC	20ppm	F	1.0ml			0.2ppm			
STD D GNE9-79639-IC	GNE9-79634-IC	100ppm	CHL/SO4	10ml	DI	100 mL	10ppm	11/13/2025	SS	10/13/2025
	SPEC S250611029	100ppm	BRO	1ml			1ppm			
	GNE9-79635-IC	20ppm	F	2ml			0.4ppm			
STD E GNE9-79640-IC	GNE9-79634-IC	100ppm	CHL/SO4	50ml	DI	100 mL	50ppm	11/13/2025	SS	10/13/2025
	SPEC S250611029	100ppm	BRO	2ml			2ppm			
	GNE9-79635-IC	20ppm	F	5ml			1ppm			
STD F GNE9-79641-IC	SPEC S250611030	4000ppm	CHL/SO4	10ml	DI	200 mL	200ppm	11/13/2025	SS	10/13/2025
	SPEC S250611029	100ppm	BRO	6ml			3ppm			
	GNE9-79635-IC	20ppm	F	30ml			3ppm			
STD G GNE9-79642-IC	SPEC S250611030	4000ppm	CHL/SO4	10ml	DI	100 mL	400ppm	11/13/2025	SS	10/13/2025
	SPEC S250611029	100ppm	BRO	5ml			5ppm			
	GNE9-79635-IC	20ppm	F	30ml			6ppm			
CCV GNE9-79643-IC	SPEC S250611030	4000ppm	CHL/SO4	10ml	DI	200 mL	200ppm	11/13/2025	SS	10/13/2025
	SPEC S250611029	100ppm	BRO	6ml			3ppm			
	SPEC S250611031	100ppm	F	6ml			3ppm			

* If Class A glass pipets are used, enter an A. For balances or autopipets, then enter the appropriate SGS ID number.

NO2/NO3/P4 included in curve but not reported

Form: GN318-01

Rev Date: 6/23/2020

SGS

Reagent Information Log - IONC IC F - Water /Soil
GN Batch ID#: GN75008

Reagent	Reagent # or Man./Lot	Exp. Date
Standard Stocks (for Calibration Curve) (4000 PPM CHL/SC	SCP S250611030	7/31/2026
Standard Stocks (for Calibration Curve) (100 PPM BRO)	SCP S250611029	7/31/2026
Standard Stocks (for Calibration Curve) (100 PPM F)	SCP S250611031	7/31/2026
ICV MIX I (200 PPM CHL/SO4)	SCP S250129034	2/28/2026
ICV MIX II (100 PPM F/BRO)	SCP S250611037	7/31/2026
ICV	GNE9-79637-IC	11/13/2025
Eluent	250892029313	8/31/2027
CCV	GNE9-79643-IC	11/13/2025
Spiking Solution	SCP S250611032	7/31/2026
Filter lot numbers	LAB S&S 140320014	NA

Form : GN087A-76
Rev. Date: 4/7/09

175 17

SGS

Analyst: SS

Product: ANIONS

Pipette ID: 59

Prep Date: 10/20/2025

Balance ID:

Batch ID: GN75008

Sample Prep Log

Sample ID	Initial Sample Amount	Final Volume
GP64893-B1	0.5 ML OF SPIKE MIX TO 50 ML DIH20	50 ML DI H2O
GP64893-S1	0.5 ML OF SPIKE MIX TO 50 ML JE20825-1	50 ML JE20825-1
GP64893-MSD1	0.5 ML OF SPIKE MIX TO 50 ML JE20825-1	50 ML JE20825-1

Reviewer:

Date:

Form: GN166-04
Revised: 10/27/16

SGS

Analyst _____ Product _____ Autopipette # _____

Date _____ Batch ID _____ Class A Vol. Flask _____

Sample Dilution Prep Log

Sample ID	Dilution	Initial Volume	Final Volume	Comments
JE21190-2	1:4	5ml	20ml	H_2O DI.
-3	1:5	5ml	25ml.	
-4.	1:6.	5ml	30ml	
-5.	1:3.	5ml	15ml	
-7	1:10	2ml	20ml	
-8	1:10	2ml	20 ml	

QC Reviewer: _____ Date: _____

Form: GN165-01
Rev. Date: 2/25/03

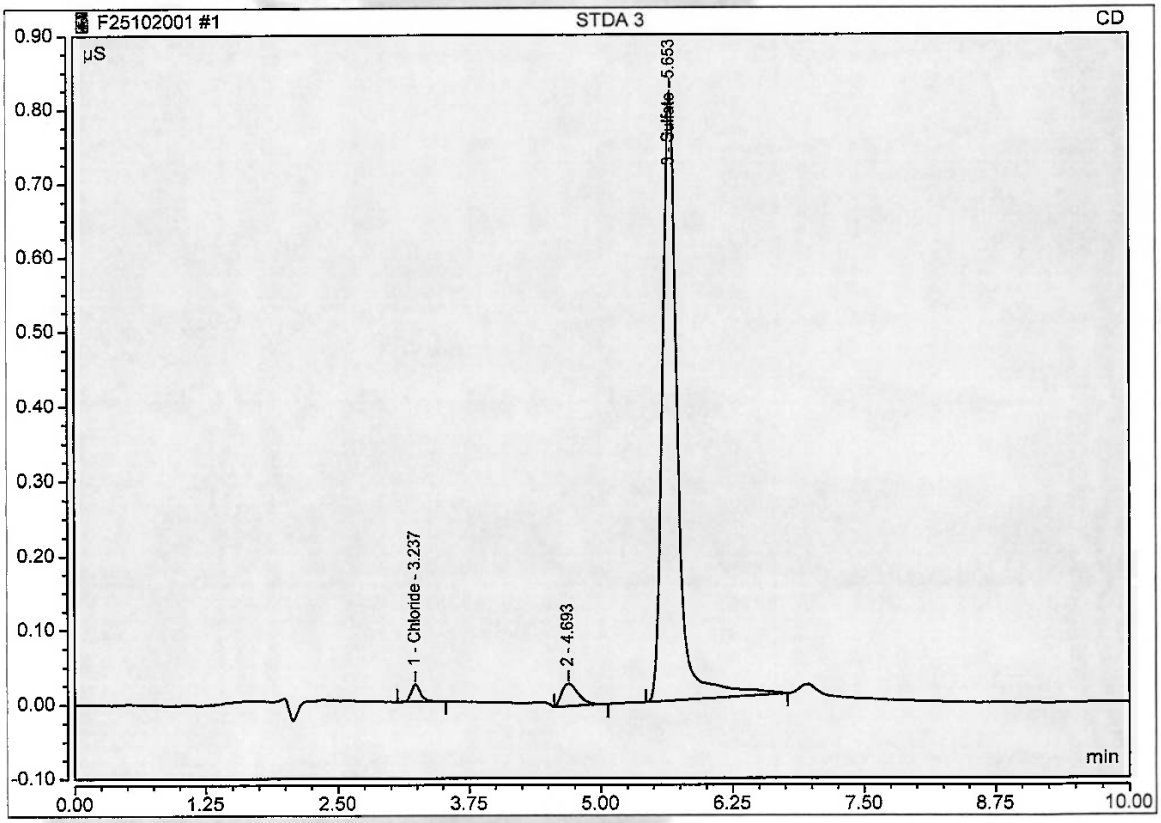
17.5 17

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**STDA 3**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Calibration Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**15-Oct-2025 / 11:12**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	3.24	Chloride	BMB	0.002	0.023	0.2747
3	5.65	Sulfate	BMB	0.135	0.819	0.7926
TOTAL:				0.14	0.84	1.07



Anion/Integration

Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

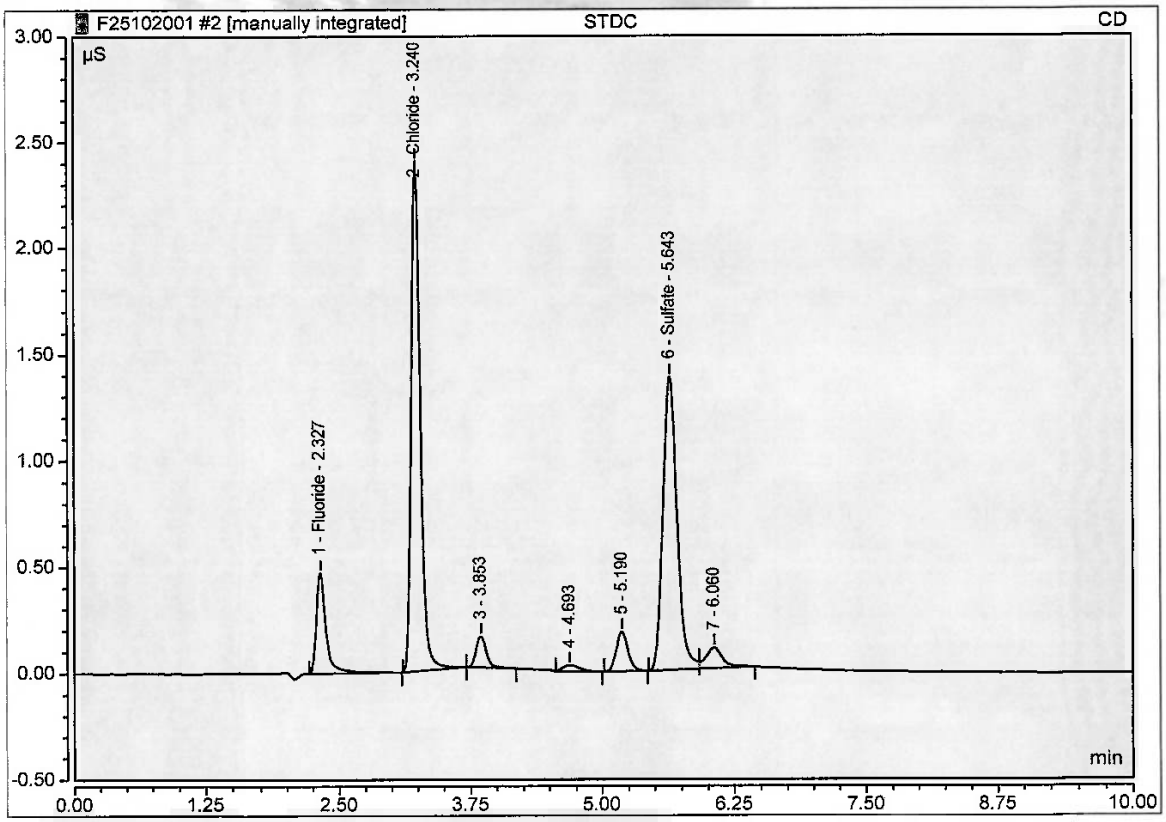
Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**STDC**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Calibration Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**15-Oct-2025 / 11:25**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.33	**Fluoride**	BMB	0.051	0.472	0.2140
2	3.24	**Chloride**	BMb	0.239	2.399	1.9339
6	5.64	**Sulfate**	BM *	0.209	1.377	1.4913
		TOTAL:		0.50	4.25	3.64

RD 1
-3.31%
-25.4%



175
17

Anion/Integration

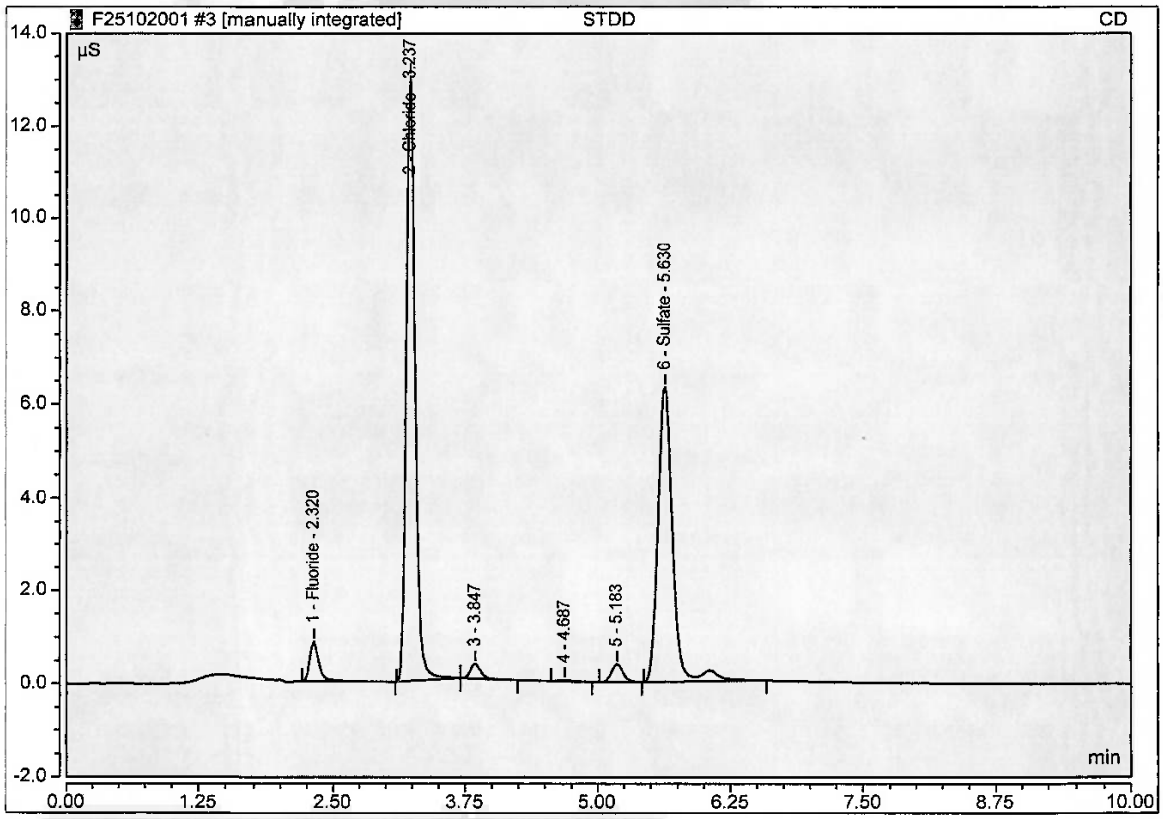
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**STDD**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Calibration Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**15-Oct-2025 / 11:38**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.32	**Fluoride**	BMB	0.085	0.845	0.3706
2	3.24	**Chloride**	BMb	1.284	13.015	9.2747
6	5.63	**Sulfate**	BMB*	1.003	6.316	9.0360
		TOTAL:		2.37	20.18	18.68



Anion/Integration

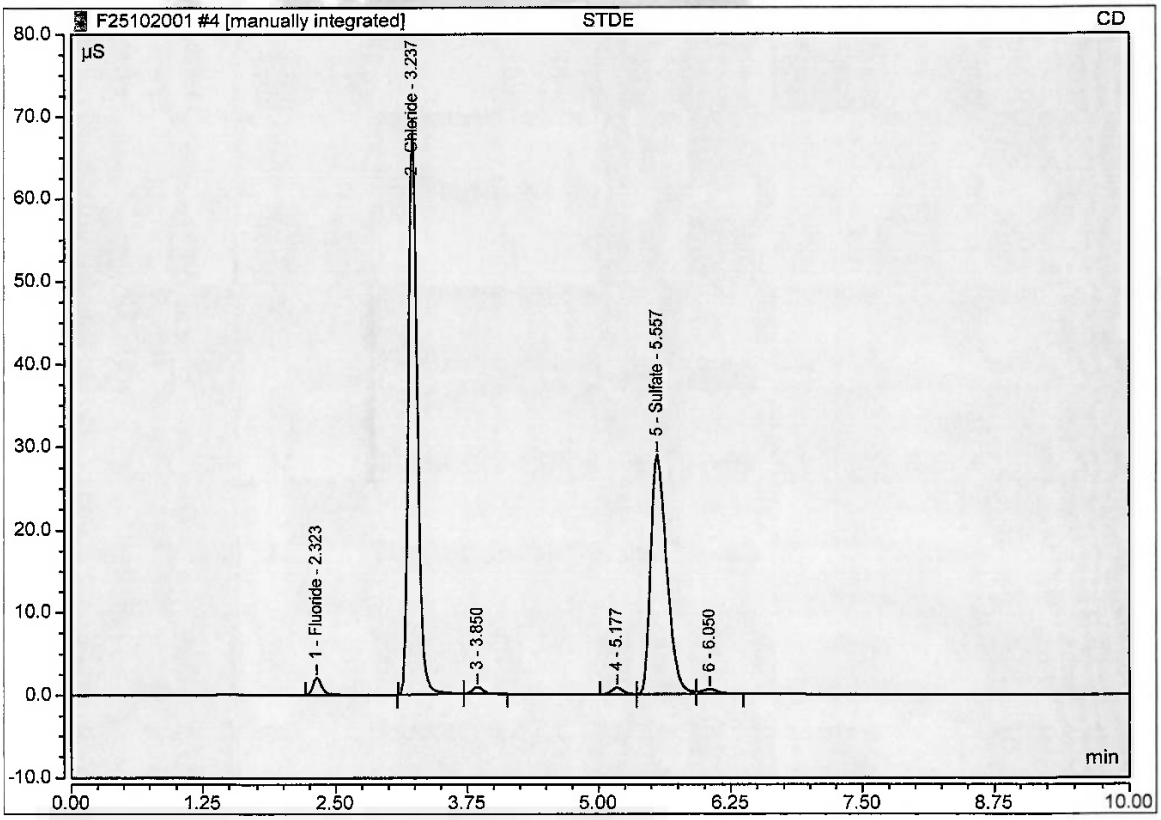
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**STDE**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Calibration Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**15-Oct-2025 / 11:51**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.32	Fluoride	BMB	0.215	2.105	0.9649
2	3.24	Chloride	BMb	6.741	68.228	47.6168
5	5.56	Sulfate	bM *	4.975	28.922	46.7682
TOTAL:				11.93	99.25	95.35



Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

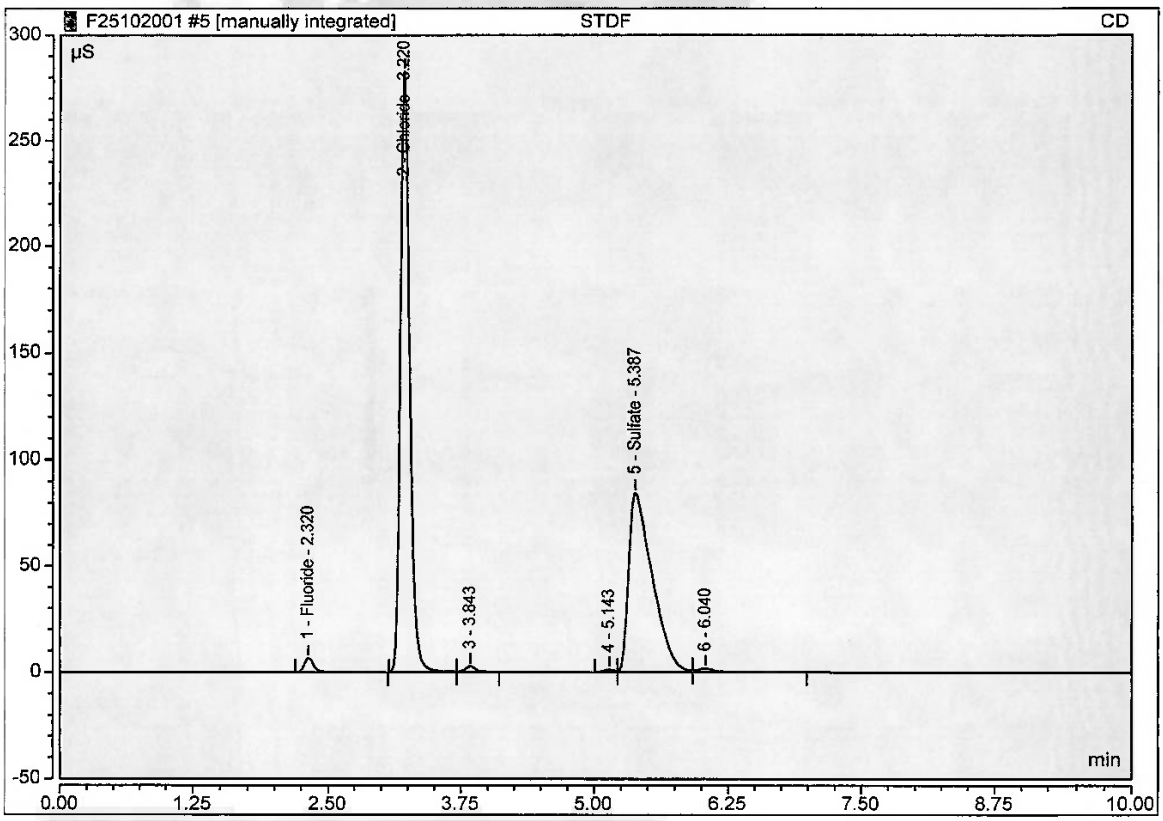
Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**STDF**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Calibration Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**15-Oct-2025 / 12:04**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.32	**Fluoride**	BMB	0.700	6.618	3.1799
2	3.22	**Chloride**	BMb	28.884	282.741	203.1766
5	5.39	**Sulfate**	M *	21.413	84.519	202.9352
		TOTAL:		51.00	373.88	409.29

RDL
1.51%
1.47%



Anion/Integration

Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

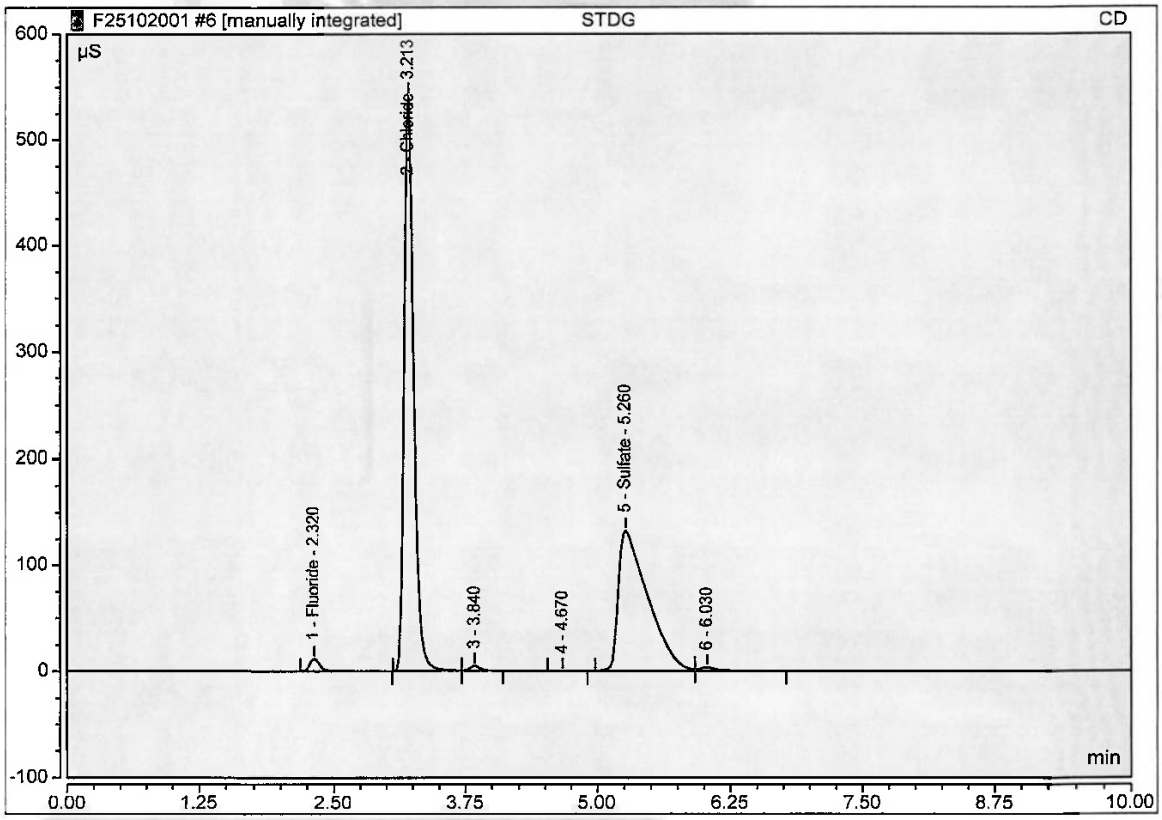
17.5
17

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**STDG**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Calibration Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**15-Oct-2025 / 12:17**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.32	Fluoride	BMB	1.289	11.756	5.8705
2	3.21	Chloride	BMb	56.900	541.254	399.9979
5	5.26	Sulfate	BM *	42.341	132.453	401.7693
		TOTAL:		100.53	685.46	807.64



Anion/Integration

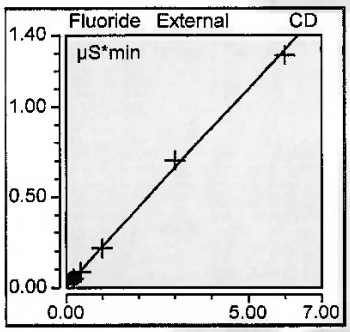
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

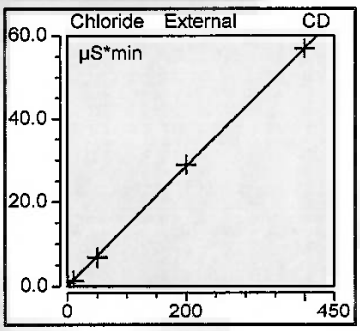
Calibration Batch Report

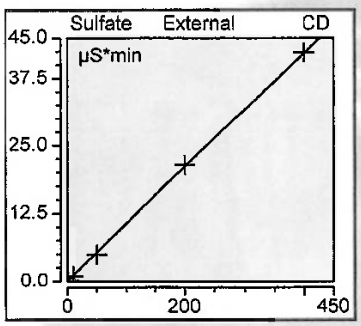
Sequence:	F25102001	*Injection Volu*	5,000.00
Instrument M	7 anion_multi ple injections	*Operator:*	Chemistry
Inj. Date / Tin	15/10/2025 / 11:25	*Run Time:*	10

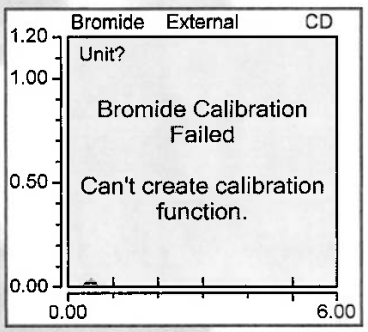
bration Summary

Peak Name	Eval.Type	Cal.Type	Points	Offset (C0)	Slope (C1)	Curve (C2)	Coeff.Det. %
Fluoride	Area	, WithOffset,	5.000	0.004	0.219	0.000	99.7711
Chloride	Area	, WithOffset,	6.000	-0.037	0.142	0.000	99.9599
Sulfate	Area	, WithOffset,	6.000	0.052	0.105	0.000	99.8757
		AVERAGE:		0.0064	0.1555	0.0000	99.8689







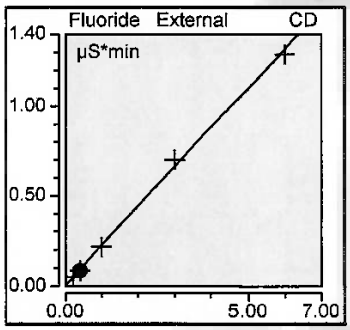


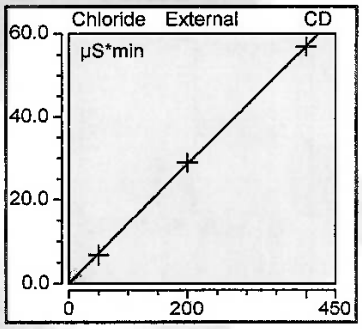
Calibration Batch Report

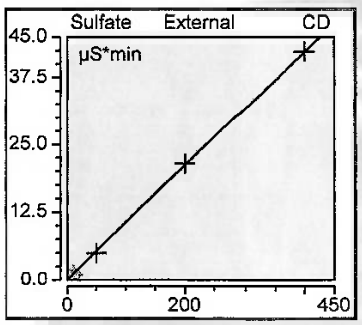
Sequence:	**F25102001**	*Injection Volu*	**5,000.00**
Instrument M	**7 anion_multi ple injections**	*Operator:*	**Chemistry**
Inj. Date / Tin	**15/10/2025 / 11:38**	*Run Time:*	**10**

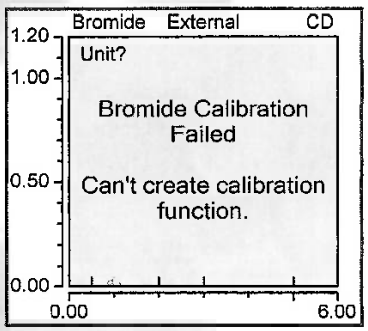
bration Summary

Peak Name	Eval.Type	Cal.Type	Points	Offset (C0)	Slope (C1)	Curve (C2)	Coeff.Det. %
Fluoride	Area	, WithOffset,	5.000	0.004	0.219	0.000	99.7711
Chloride	Area	, WithOffset,	6.000	-0.037	0.142	0.000	99.9599
Sulfate	Area	, WithOffset,	6.000	0.052	0.105	0.000	99.8757
		AVERAGE:		0.0064	0.1555	0.0000	99.8689







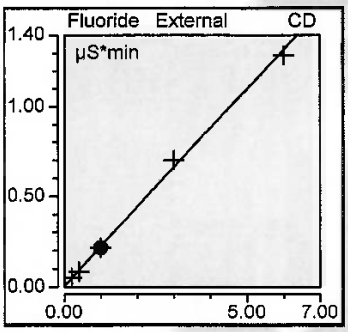


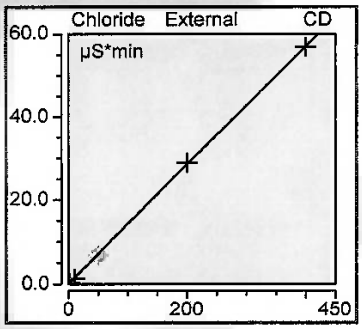
Calibration Batch Report

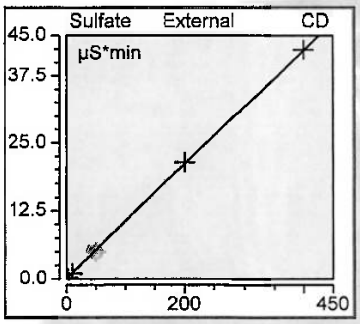
Sequence:	F25102001	*Injection Volu*	5,000.00
Instrument M	7 anion_multi ple injections	*Operator:*	Chemistry
Inj. Date / Tin	15/10/2025 / 11:51	*Run Time:*	10

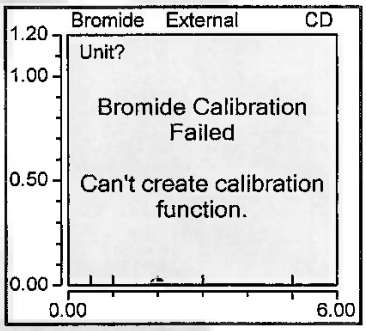
bration Summary

Peak Name	Eval.Type	Cal.Type	Points	Offset (C0)	Slope (C1)	Curve (C2)	Coeff.Det. %
Fluoride	Area	, WithOffset,	5.000	0.004	0.219	0.000	99.7711
Chloride	Area	, WithOffset,	6.000	-0.037	0.142	0.000	99.9599
Sulfate	Area	, WithOffset,	6.000	0.052	0.105	0.000	99.8757
		AVERAGE:		0.0064	0.1555	0.0000	99.8689







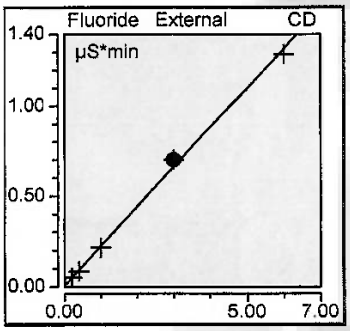


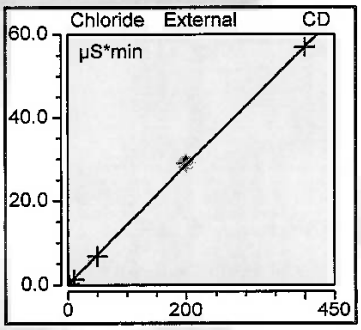
Calibration Batch Report

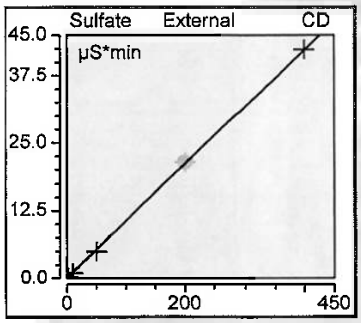
Sequence:	**F25102001**	*Injection Volu*	**5,000.00**
Instrument Mt	**7 anion_multi ple injections**	*Operator:*	**Chemistry**
Inj. Date / Tin	**15/10/2025 / 12:04**	*Run Time:*	**10**

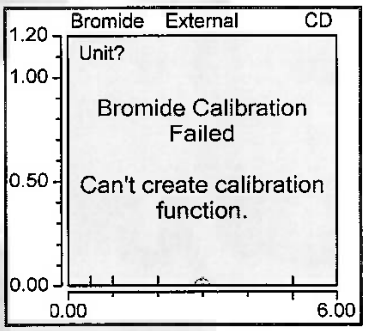
bration Summary

Peak Name	Eval.Type	Cal.Type	Points	Offset (C0)	Slope (C1)	Curve (C2)	Coeff.Det. %
Fluoride	Area	, WithOffset,	5.000	0.004	0.219	0.000	99.7711
Chloride	Area	, WithOffset,	6.000	-0.037	0.142	0.000	99.9599
Sulfate	Area	, WithOffset,	6.000	0.052	0.105	0.000	99.8757
		AVERAGE:		0.0064	0.1555	0.0000	99.8689







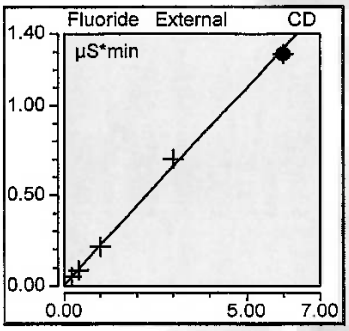


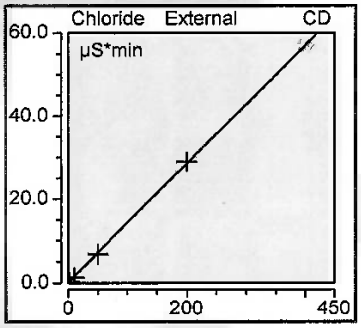
Calibration Batch Report

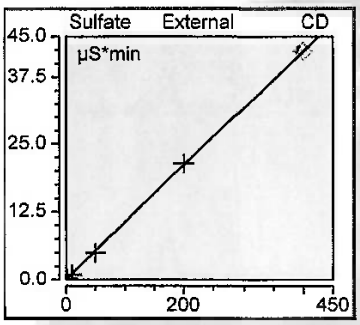
Sequence:	**F25102001**	*Injection Volu*	**5,000.00**
Instrument M	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Tin	**15/10/2025 / 12:17**	*Run Time:*	**10**

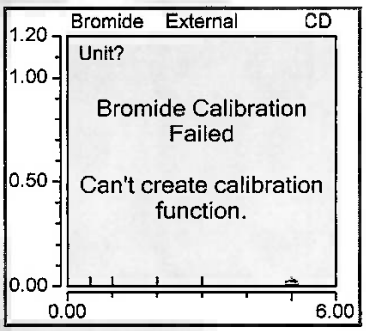
bration Summary

Peak Name	Eval.Type	Cal.Type	Points	Offset (C0)	Slope (C1)	Curve (C2)	Coeff.Det. %
Fluoride	Area	, WithOffset,	5.000	0.004	0.219	0.000	99.7711
Chloride	Area	, WithOffset,	6.000	-0.037	0.142	0.000	99.9599
Sulfate	Area	, WithOffset,	6.000	0.052	0.105	0.000	99.8757
		AVERAGE:		0.0064	0.1555	0.0000	99.8689







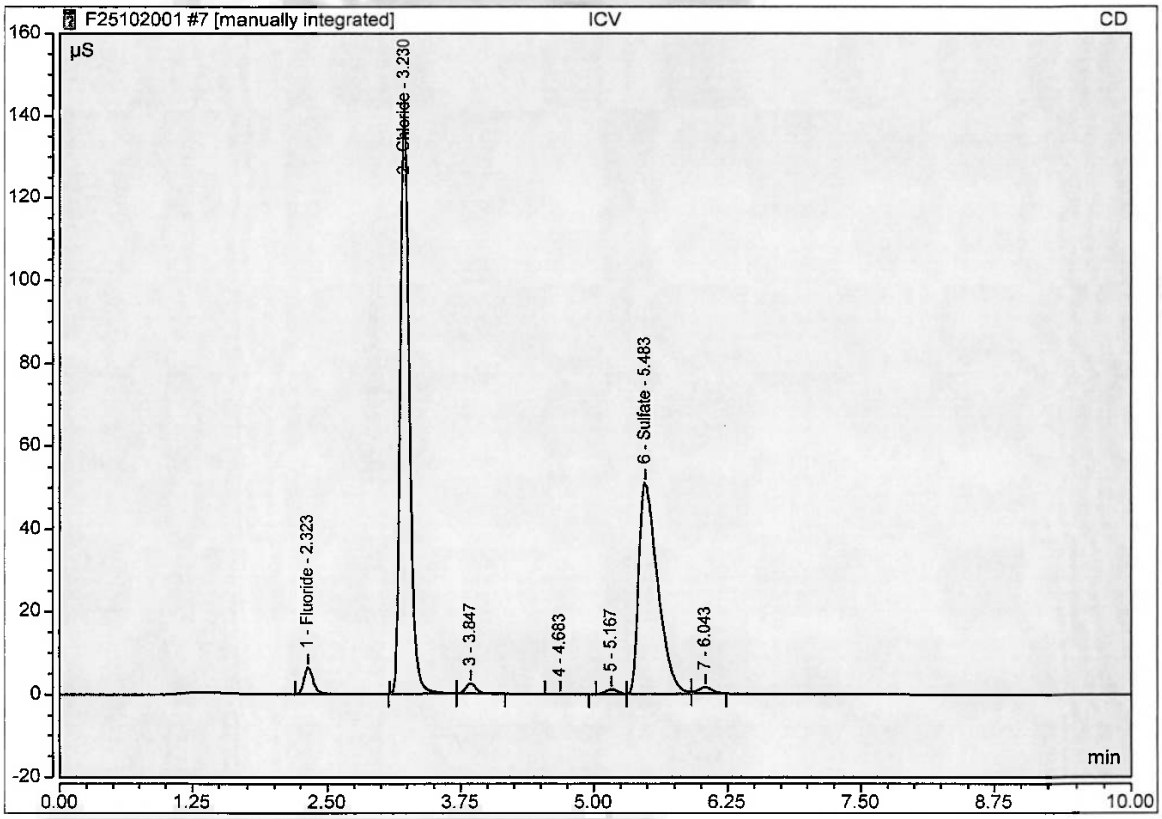


Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**ICV**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**15-Oct-2025 / 12:29**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.32	Fluoride	BMB	0.680	6.540	3.0901
2	3.23	Chloride	BMb	14.081	140.315	99.1805
6	5.48	Sulfate	M *	10.390	51.156	98.2197
TOTAL:				25.15	198.01	200.49



Anion/Integration

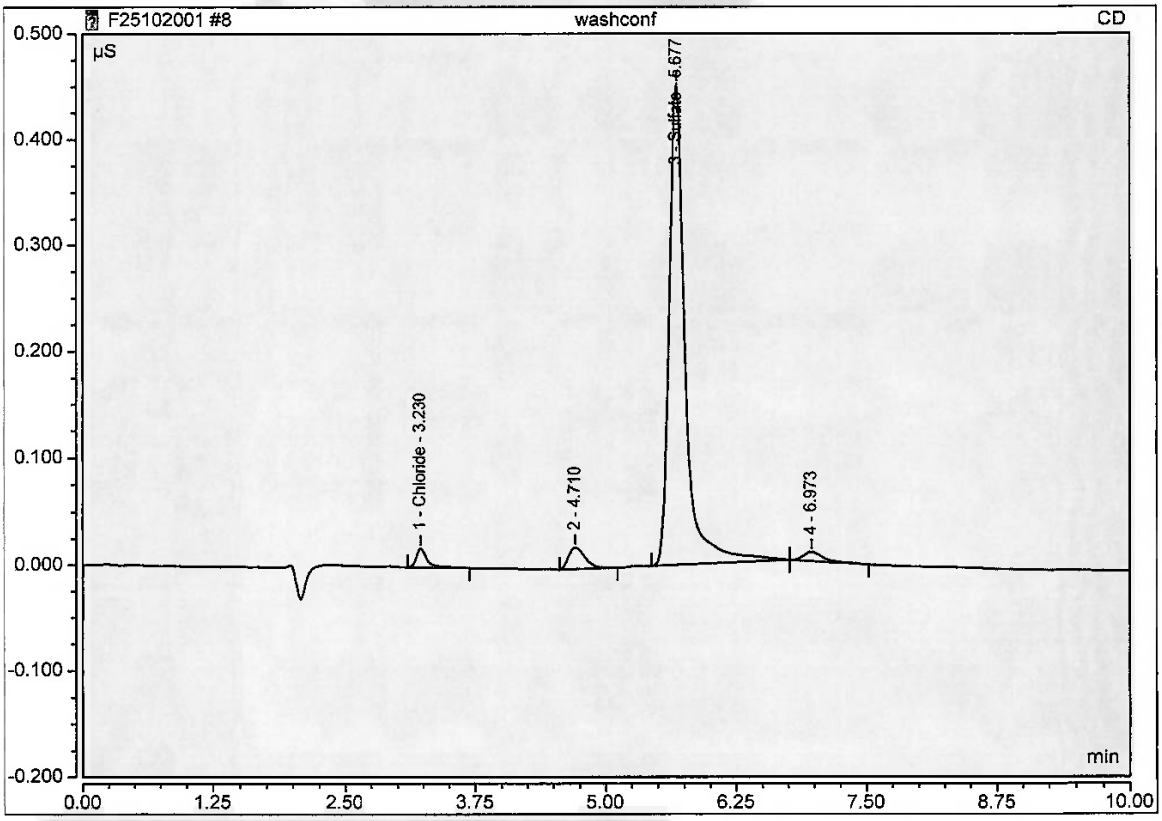
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**washconf**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**20-Oct-2025 / 12:42**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	3.23	Chloride	BMB	0.002	0.018	0.2726
3	5.68	Sulfate	BMb	0.080	0.452	0.2687
TOTAL:				0.08	0.47	0.54



Anion/Integration

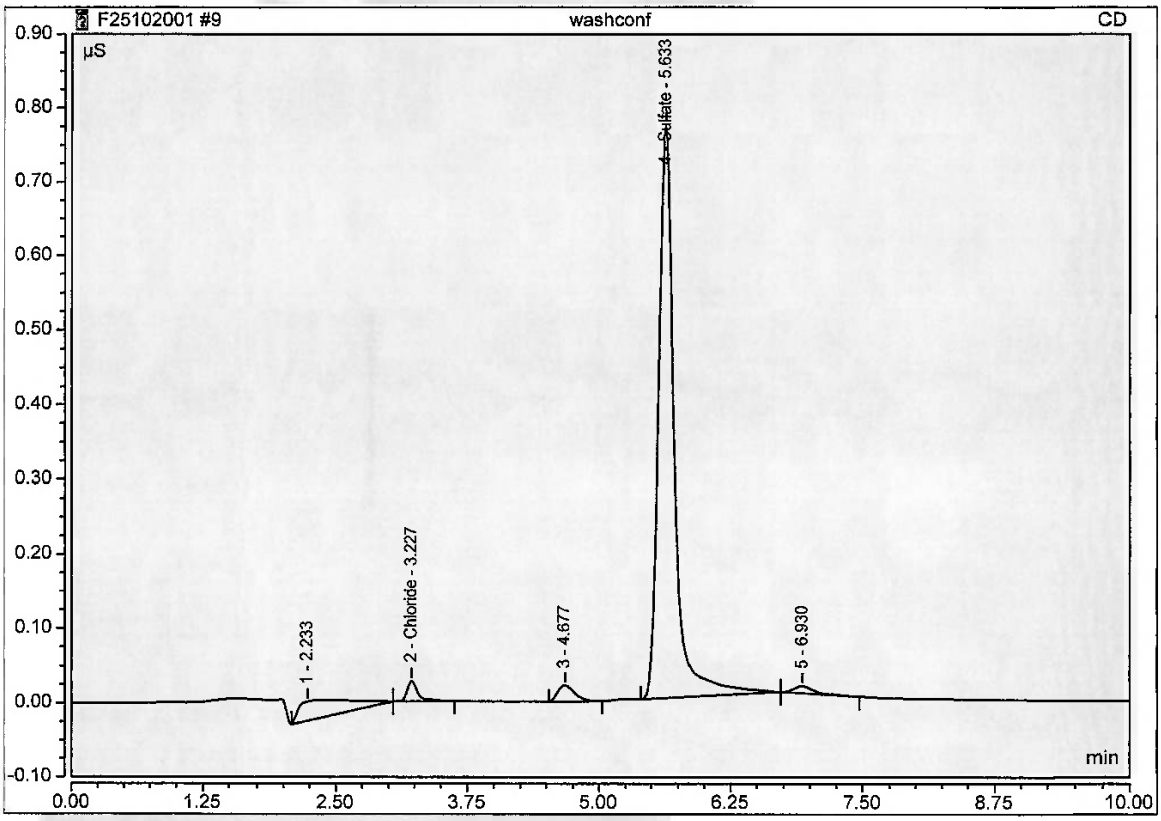
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**washconf**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**20-Oct-2025 / 12:54**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	3.23	Chloride	bMB	0.003	0.027	0.2796
4	5.63	Sulfate	BMb	0.132	0.770	0.7615
TOTAL:				0.14	0.80	1.04



Anion/Integration

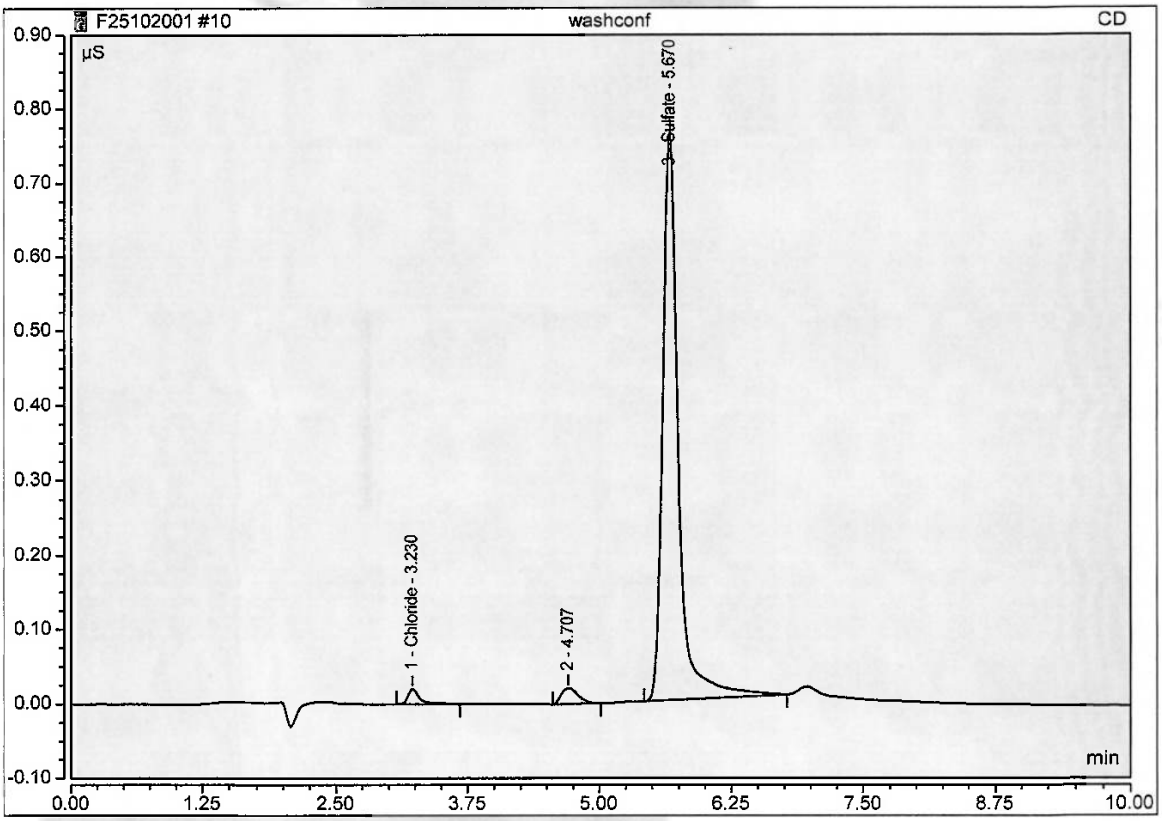
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**washconf**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**20-Oct-2025 / 13:07**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	3.23	Chloride	BMB	0.003	0.021	0.2757
3	5.67	Sulfate	BMB	0.130	0.763	0.7454
		TOTAL:		0.13	0.78	1.02



Anion/Integration

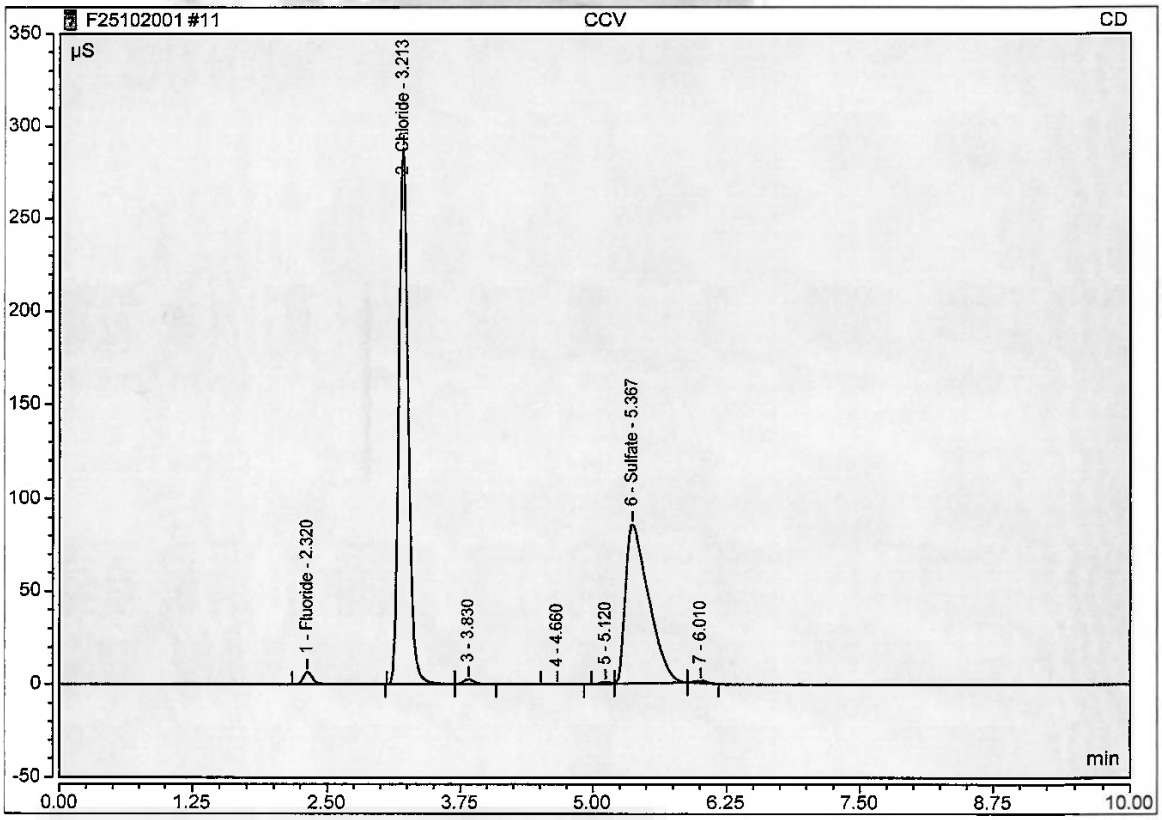
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**CCV**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**20-Oct-2025 / 13:20**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.32	Fluoride	BMB	0.701	6.675	3.1847
2	3.21	Chloride	BMb	29.565	288.156	207.9584
6	5.37	Sulfate	Mb	21.513	85.813	203.8935
TOTAL:				51.78	380.64	415.04



Anion/Integration

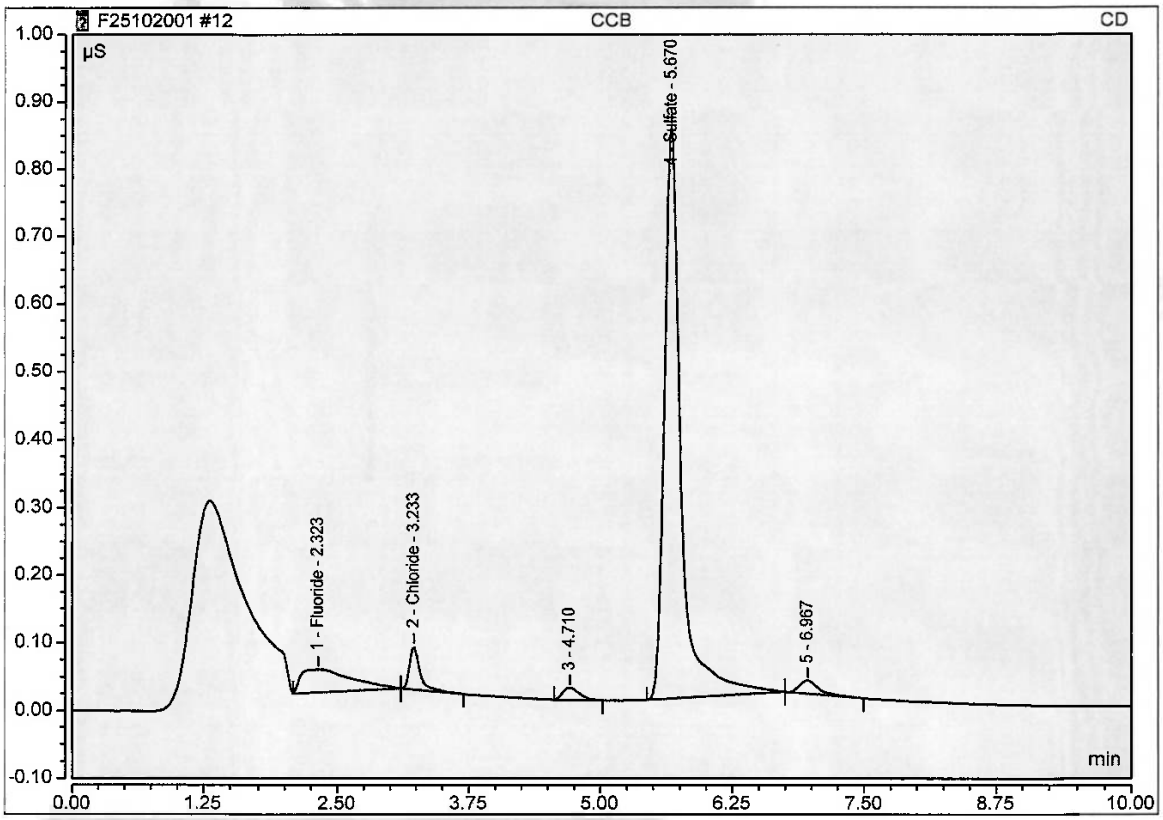
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**CCB**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**20-Oct-2025 / 13:33**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.32	**Fluoride**	BMb	0.019	0.034	0.0689
2	3.23	**Chloride**	bMB	0.007	0.063	0.3098
4	5.67	**Sulfate**	BMb	0.154	0.845	0.9656
		TOTAL:		0.18	0.94	1.34



Anion/Integration

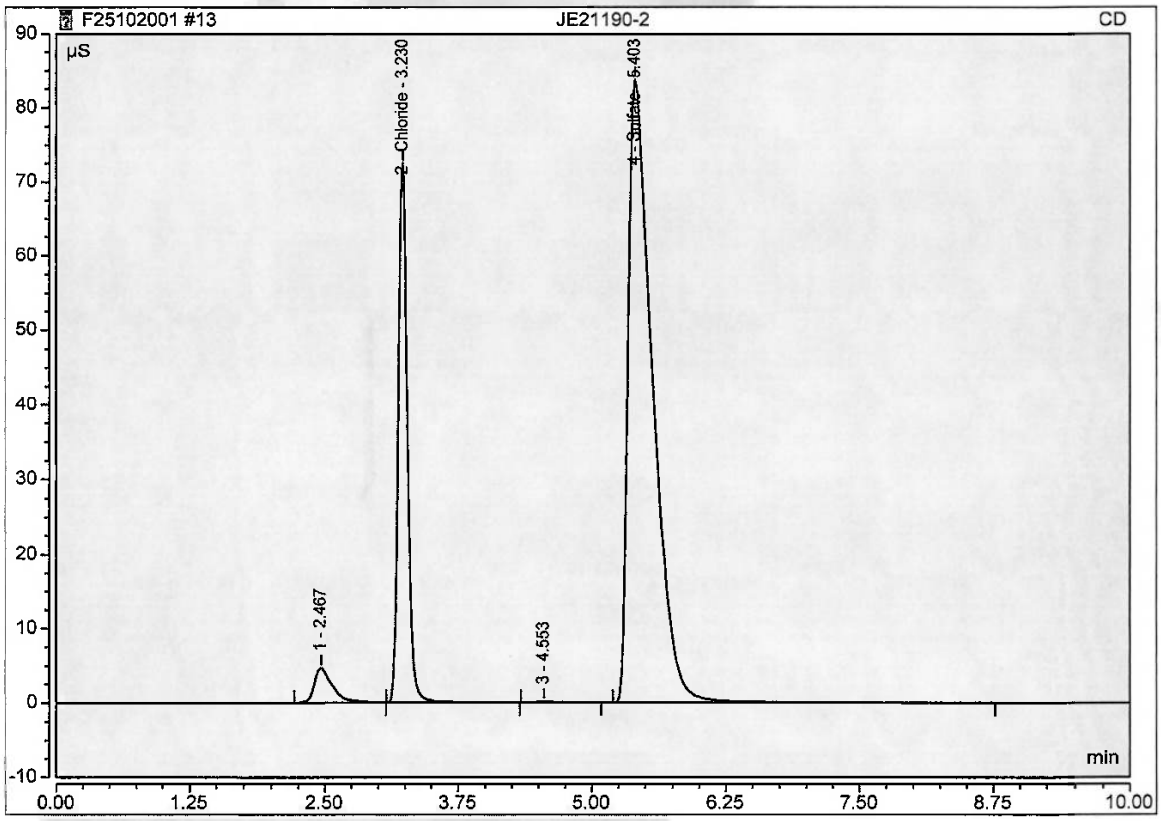
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**JE21190-2**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**4.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**20-Oct-2025 / 19:28**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	3.23	Chloride	BMB	7.217	72.479	203.8413
4	5.40	Sulfate	BMB	22.021	83.710	834.8764
TOTAL:				29.24	156.19	1038.72



Anion/Integration

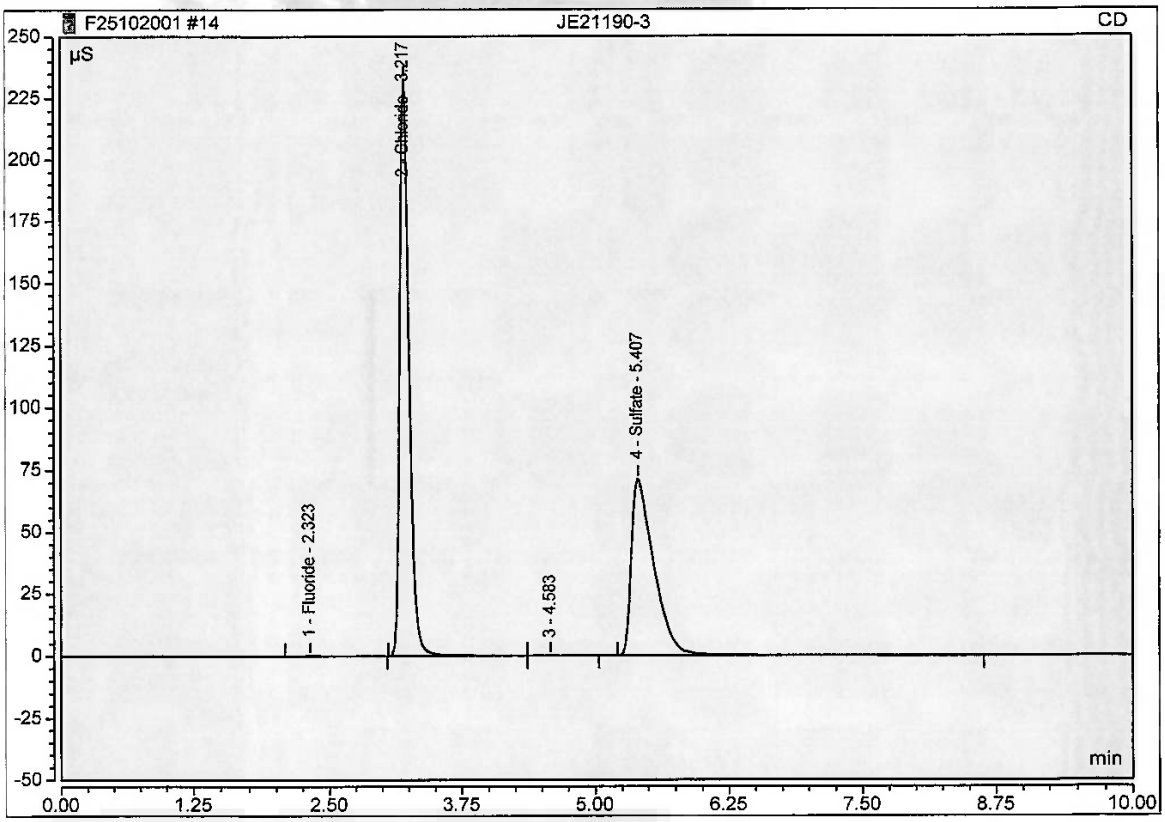
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**JE21190-3**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**5.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**20-Oct-2025 / 19:41**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.32	Fluoride	BMB	0.025	0.095	0.4824
2	3.22	Chloride	BMb	23.802	232.751	837.3616
4	5.41	Sulfate	BMB	17.432	71.389	825.6003
TOTAL:				41.26	304.24	1663.44



Anion/Integration

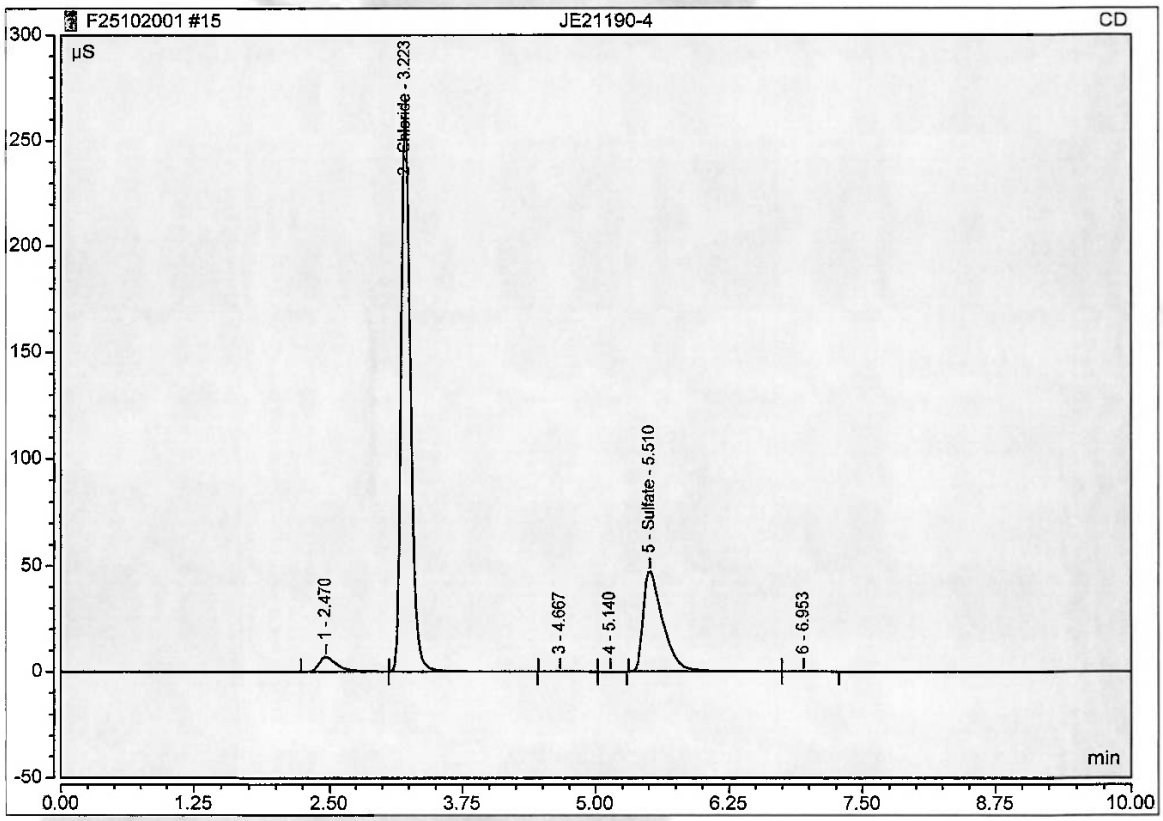
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**JE21190-4**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**6.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**20-Oct-2025 / 19:54**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	3.22	Chloride	BMB	27.098	263.581	1143.7610
5	5.51	Sulfate	BMb	10.174	47.472	576.9872
TOTAL:				37.27	311.05	1720.75



Anion/Integration

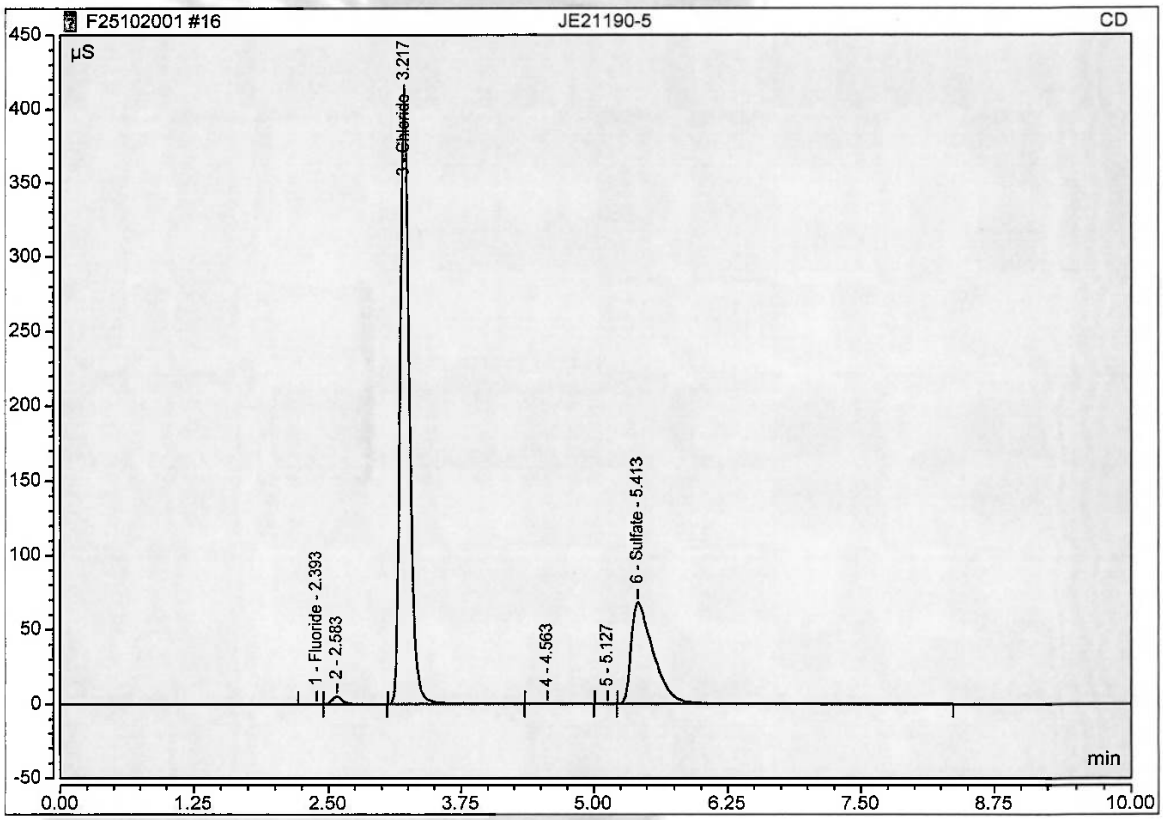
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**JE21190-5**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**3.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**20-Oct-2025 / 20:07**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.39	Fluoride	BM	0.011	0.067	0.0949
3	3.22	Chloride	BMB	42.179	405.019	889.7301
6	5.41	Sulfate	BMB	16.368	68.081	465.0188
		TOTAL:		58.56	473.17	1354.84



Anion/Integration

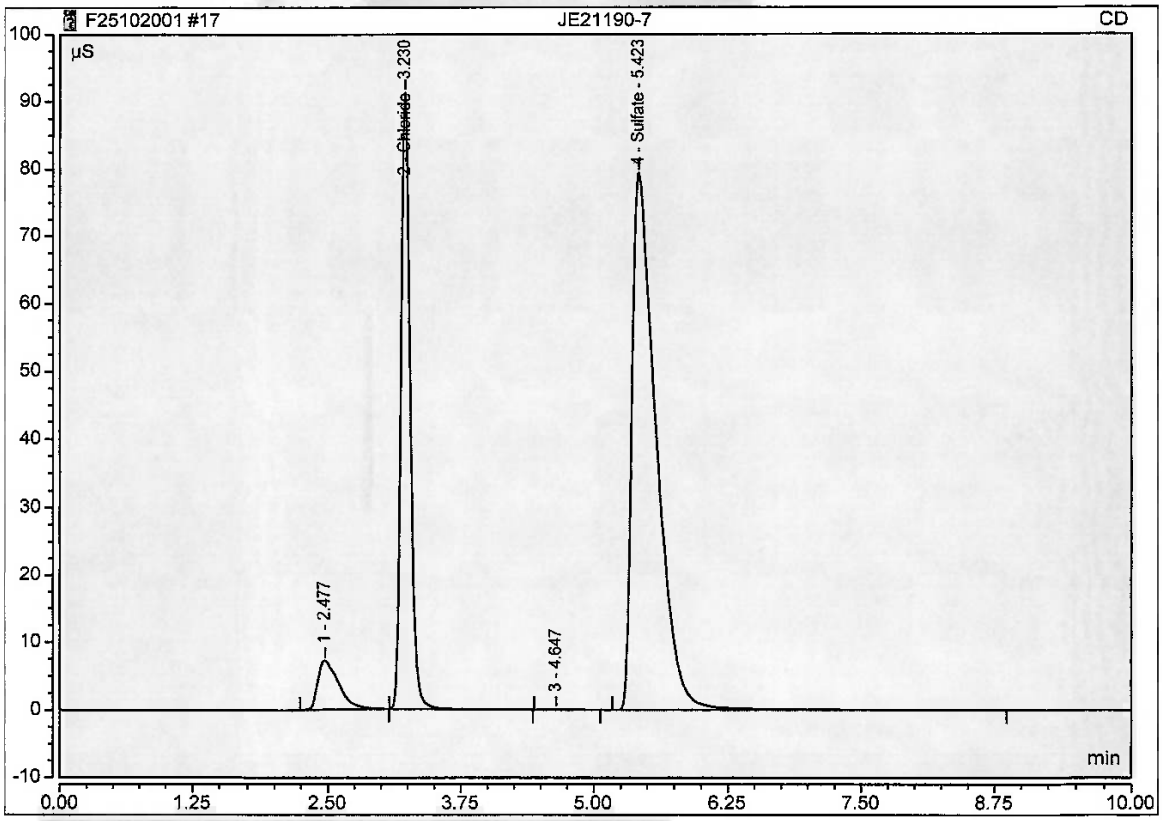
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**JE21190-7**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**10.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**20-Oct-2025 / 20:19**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	3.23	Chloride	BMB	9.158	91.127	645.9570
4	5.42	Sulfate	BMB	20.730	79.355	1964.4729
TOTAL:				29.89	170.48	2610.43



Anion/Integration

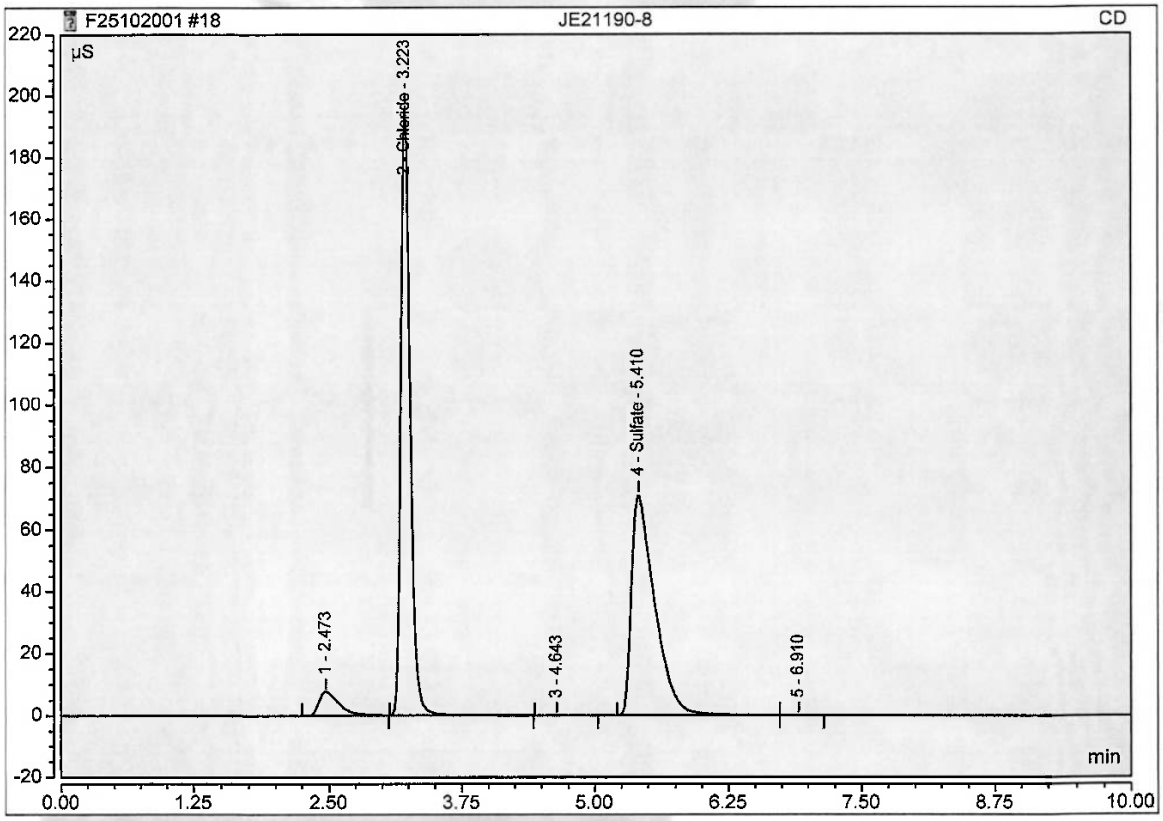
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**JE21190-8**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**10.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**20-Oct-2025 / 20:32**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	3.22	Chloride	BMB	20.167	196.446	1419.3590
4	5.41	Sulfate	BMb	17.682	71.186	1674.8916
TOTAL:				37.85	267.63	3094.25



Anion/Integration

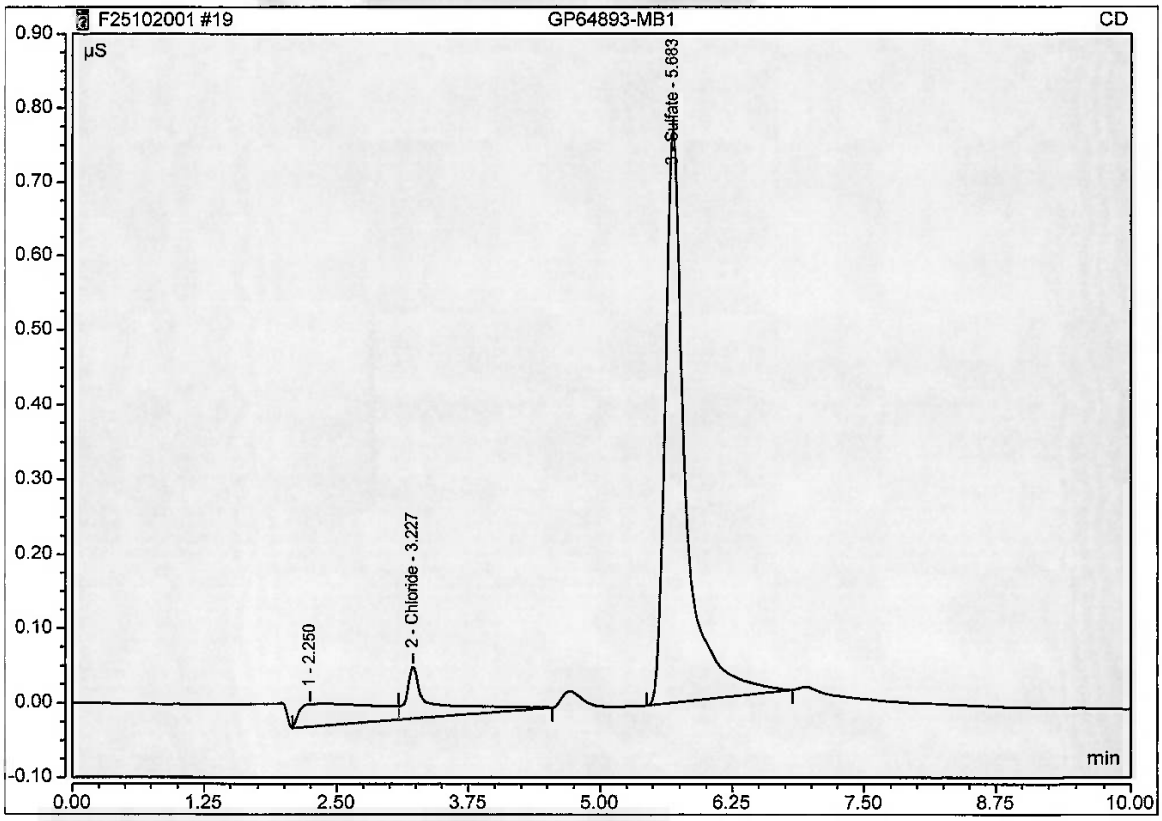
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**GP64893-MB1**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**20-Oct-2025 / 20:45**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	3.23	Chloride	MB	0.020	0.070	0.3984
3	5.68	Sulfate	BMB	0.171	0.768	1.1344
TOTAL:				0.19	0.84	1.53



Anion/Integration

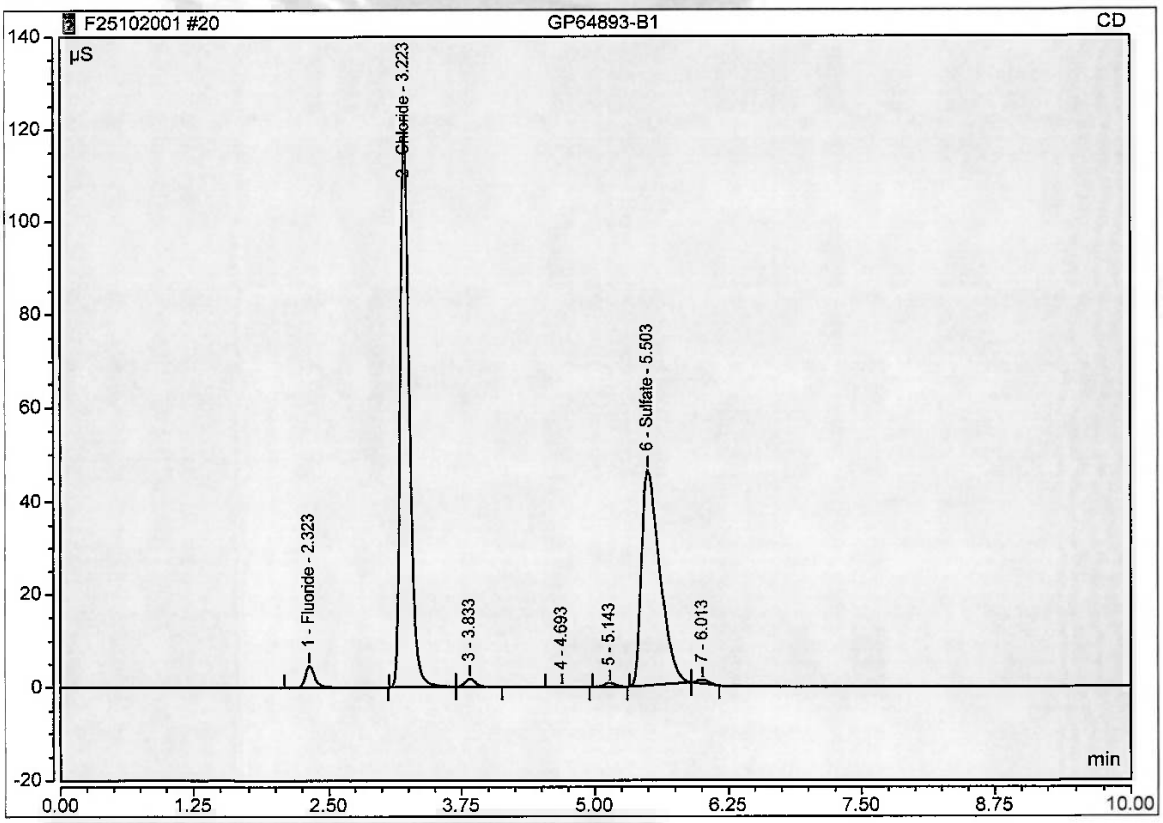
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**GP64893-B1**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**20-Oct-2025 / 20:58**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.32	Fluoride	BMB	0.507	4.706	2.2967
2	3.22	Chloride	BMb	12.087	119.934	85.1701
6	5.50	Sulfate	BMb	9.226	46.305	87.1570
TOTAL:				21.82	170.95	174.62



Anion/Integration

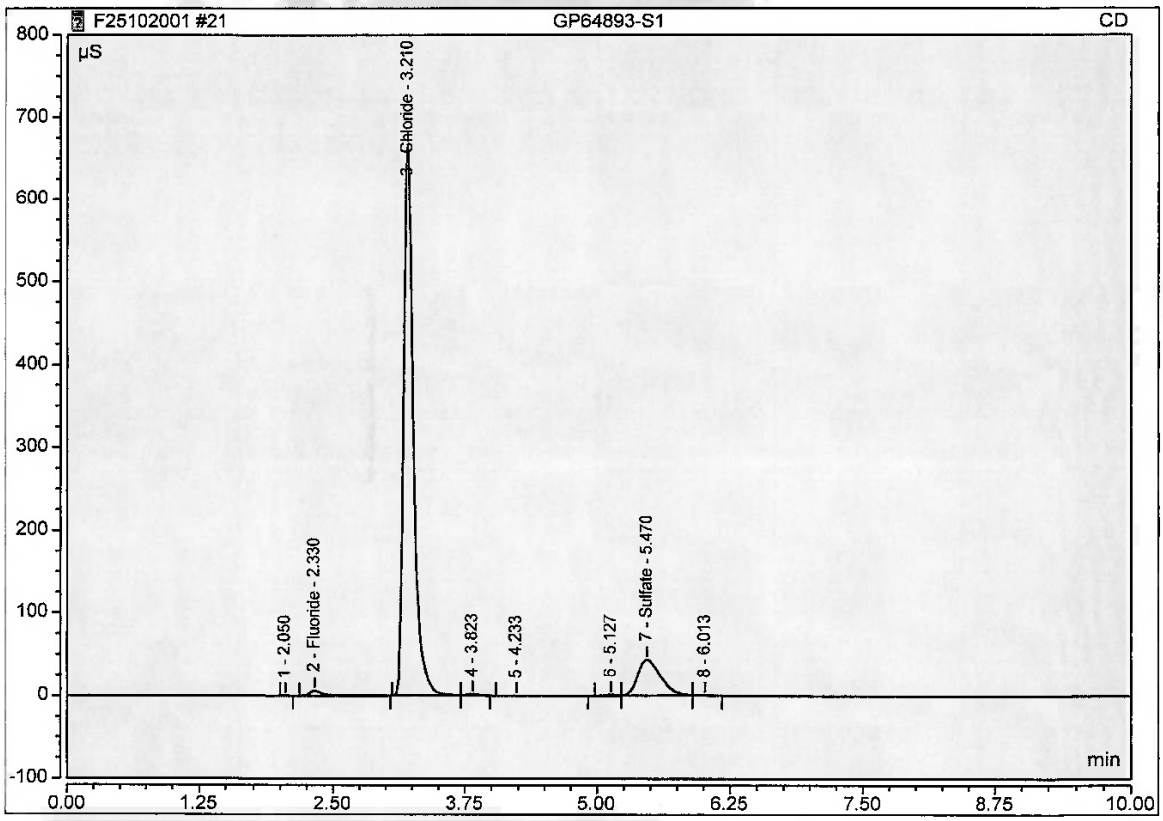
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**GP64893-S1**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**20-Oct-2025 / 21:11**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.33	Fluoride	BMB	0.810	6.156	3.6832
3	3.21	Chloride	BMb	72.196	666.963	507.4548
7	5.47	Sulfate	Mb	10.712	43.017	101.2760
		TOTAL:		83.72	716.14	612.41



Anion/Integration

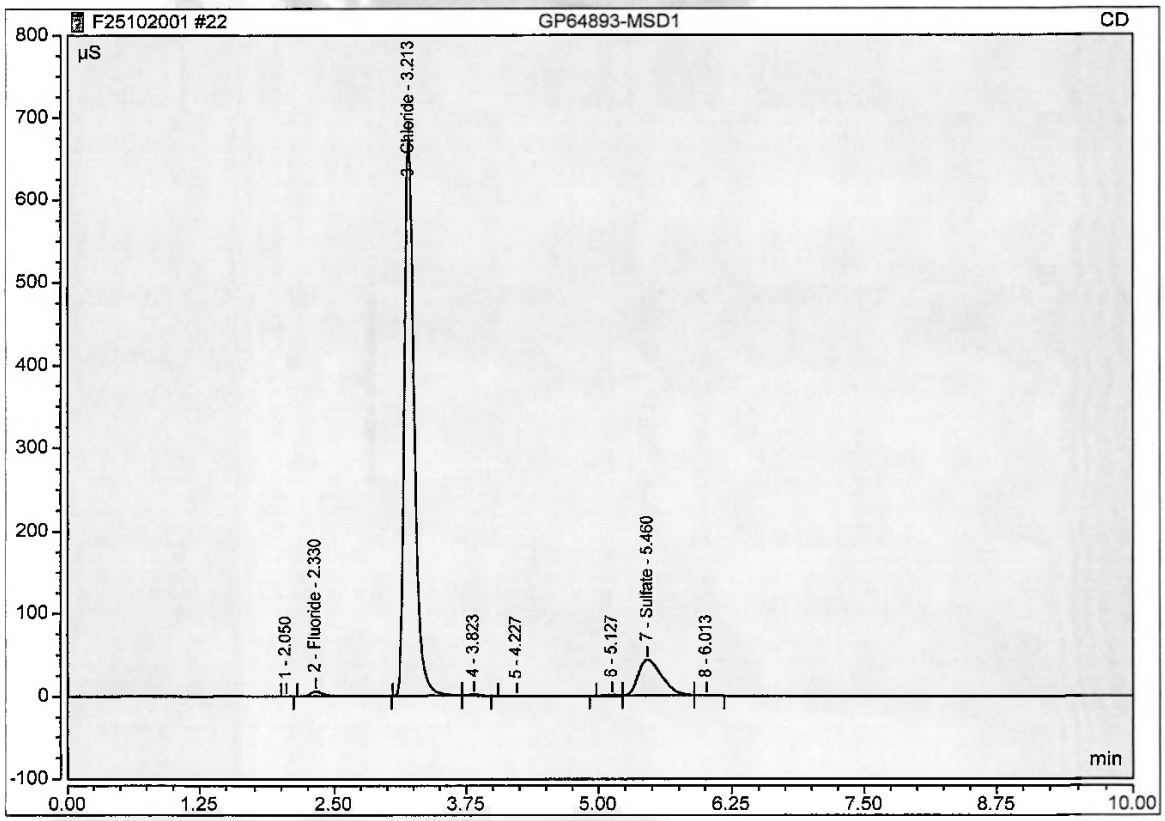
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**GP64893-MSD1**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**20-Oct-2025 / 21:24**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.33	Fluoride	BMB	0.836	6.209	3.8010
3	3.21	Chloride	BMb	74.042	677.628	520.4191
7	5.46	Sulfate	Mb	10.928	43.157	103.3301
TOTAL:				85.81	726.99	627.55



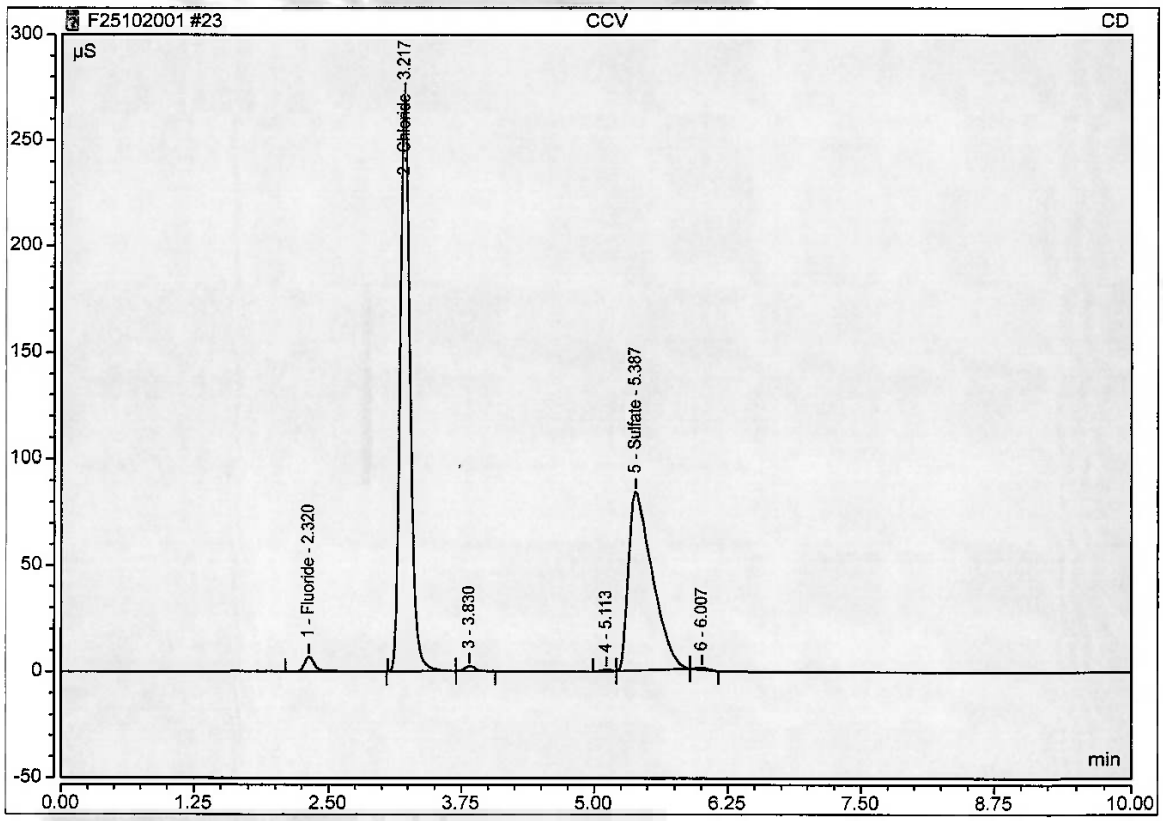
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**CCV**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**20-Oct-2025 / 21:37**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.32	Fluoride	BMB	0.780	6.886	3.5444
2	3.22	Chloride	BMb	29.606	270.718	208.2492
5	5.39	Sulfate	Mb	21.555	84.022	204.2917
		TOTAL:		51.94	361.63	416.09



Anion/Integration

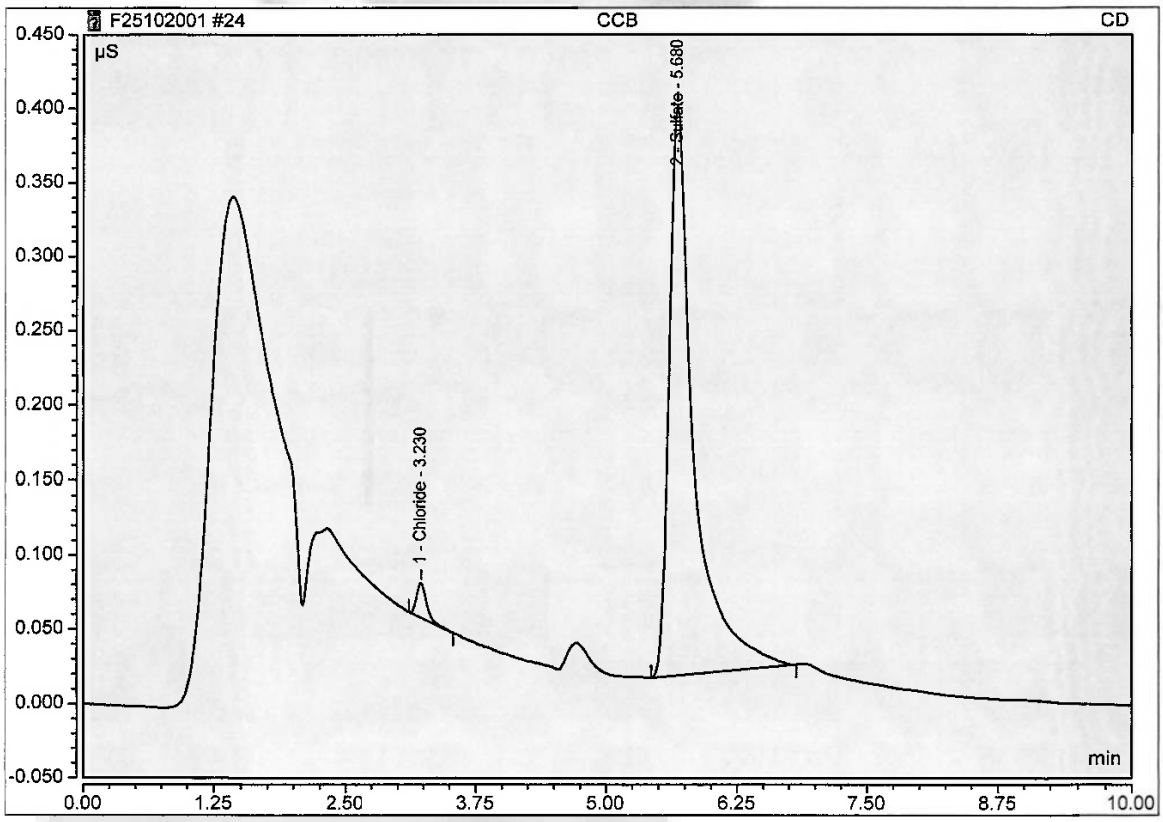
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**CCB**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**20-Oct-2025 / 21:50**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	3.23	**Chloride**	BMB	0.003	0.024	0.2759
2	5.68	**Sulfate**	BMB	0.105	0.383	0.5042
		TOTAL:		0.11	0.41	0.78



Anion/Integration

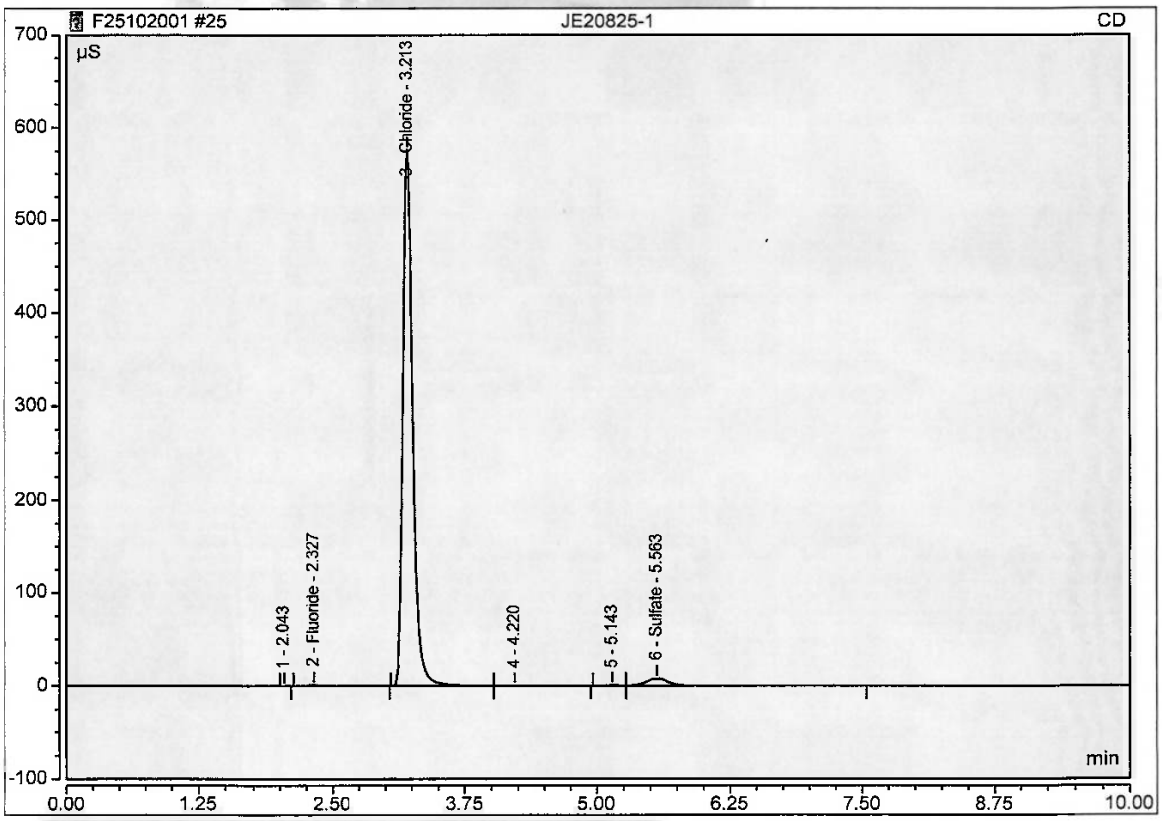
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**JE20825-1**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**20-Oct-2025 / 22:03**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.33	Fluoride	BMB	0.165	1.172	0.7380
3	3.21	Chloride	BMb	62.724	575.843	440.9137
6	5.56	Sulfate	MB	1.904	7.814	17.5977
TOTAL:				64.79	584.83	459.25



Anion/Integration

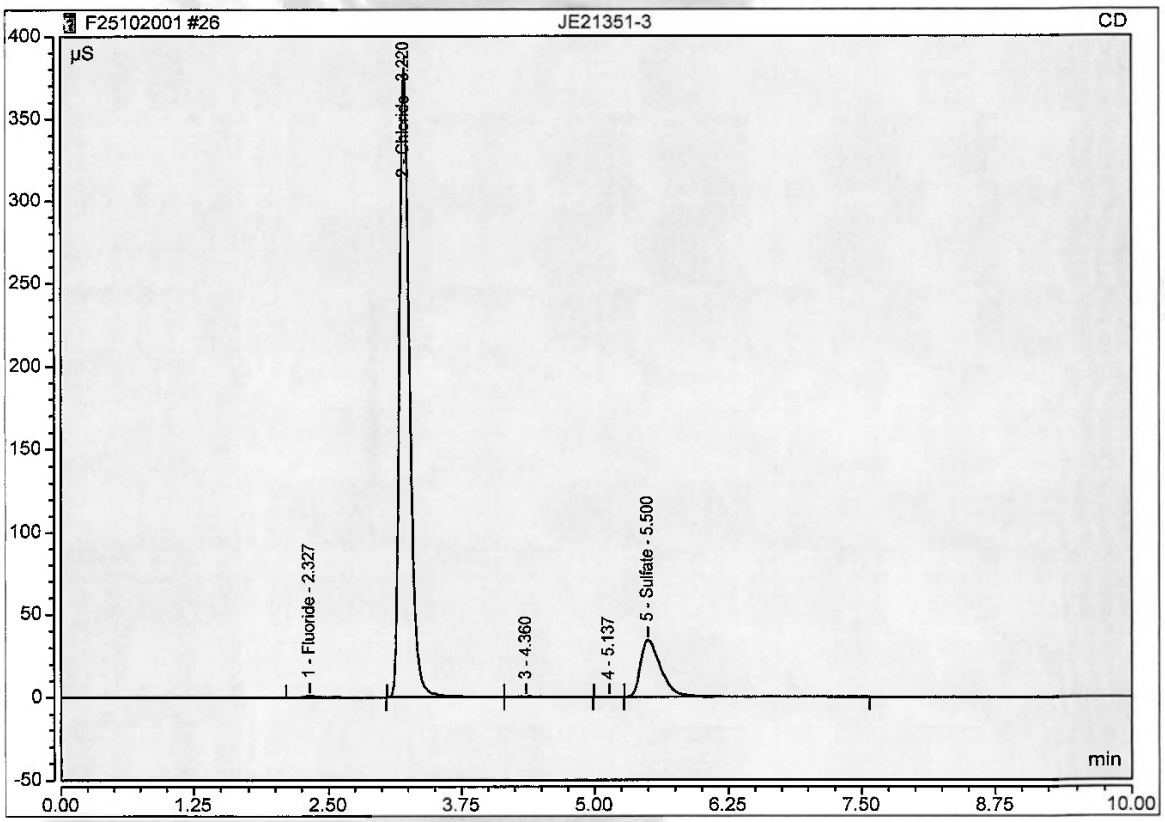
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**JE21351-3**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**20-Oct-2025 / 22:16**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.33	**Fluoride**	BMB	0.126	0.823	0.5563
2	3.22	**Chloride**	BMb	41.889	380.429	294.5378
5	5.50	**Sulfate**	BMB	7.452	34.142	70.3049
		TOTAL:		49.47	415.39	365.40



Anion/Integration

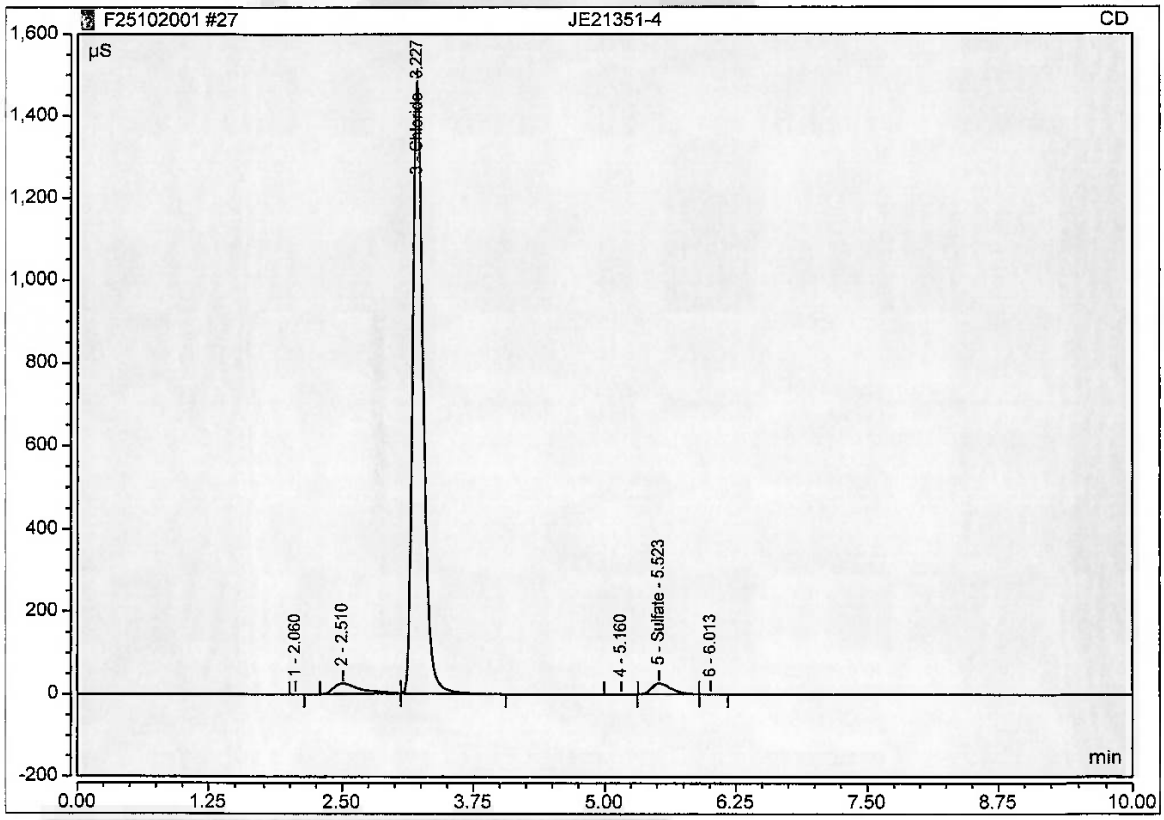
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**JE21351-4**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**20-Oct-2025 / 22:29**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
3	3.23	Chloride	BMB	172.620	1481.524	1212.9622
5	5.52	Sulfate	BMb	5.308	25.743	49.9338
TOTAL:				177.93	1507.27	1262.90



Anion/Integration

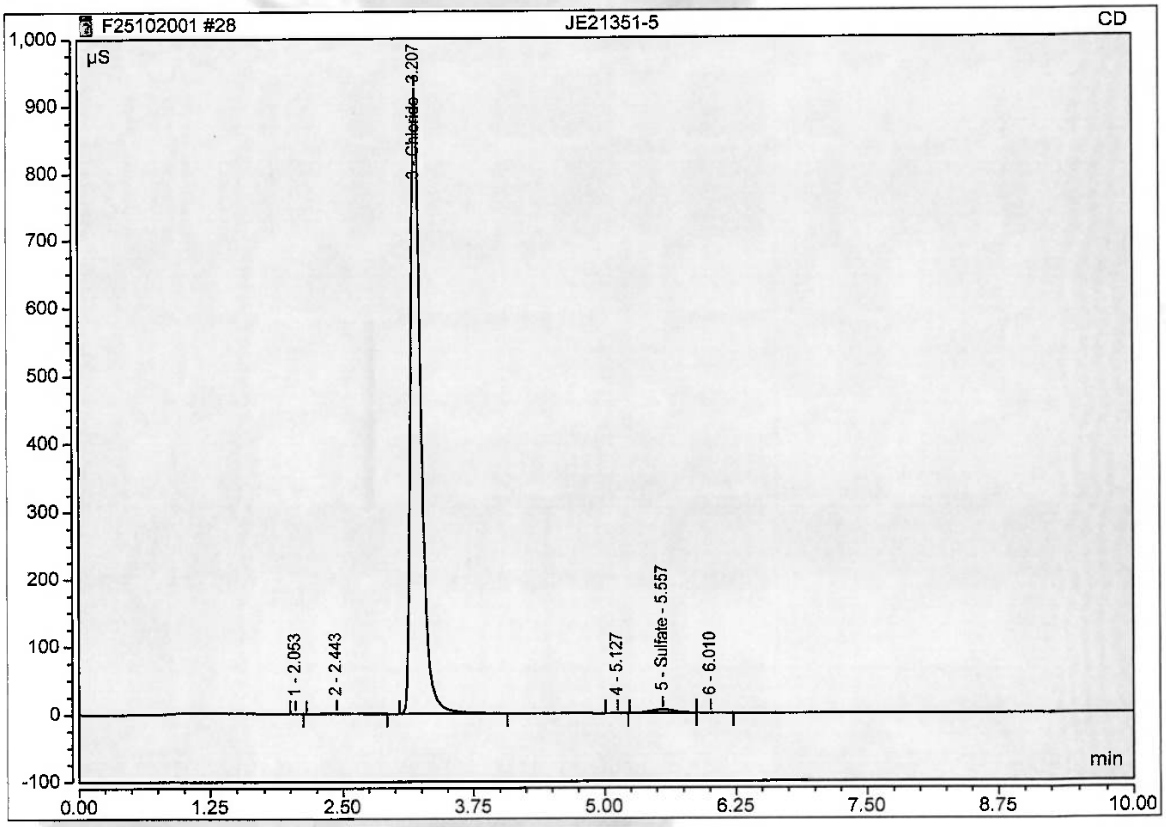
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**JE21351-5**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**20-Oct-2025 / 22:42**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
3	3.21	**Chloride**	BMB	104.878	924.399	737.0574
5	5.56	**Sulfate**	BMb	1.109	4.721	10.0463
TOTAL:				105.99	929.12	747.10



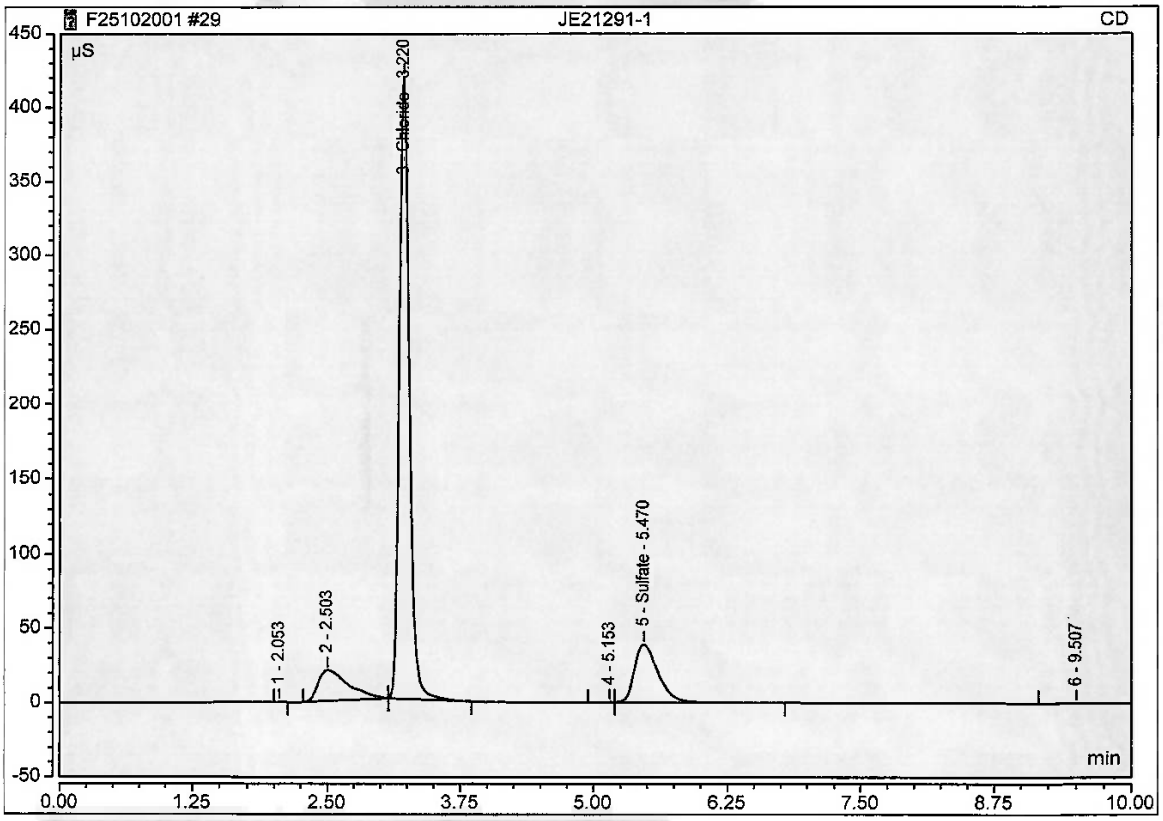
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**JE21291-1**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**20-Oct-2025 / 22:55**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
3	3.22	Chloride	bMB	46.038	418.247	323.6863
5	5.47	Sulfate	MB	10.001	38.864	94.5160
TOTAL:				56.04	457.11	418.20



Anion/Integration

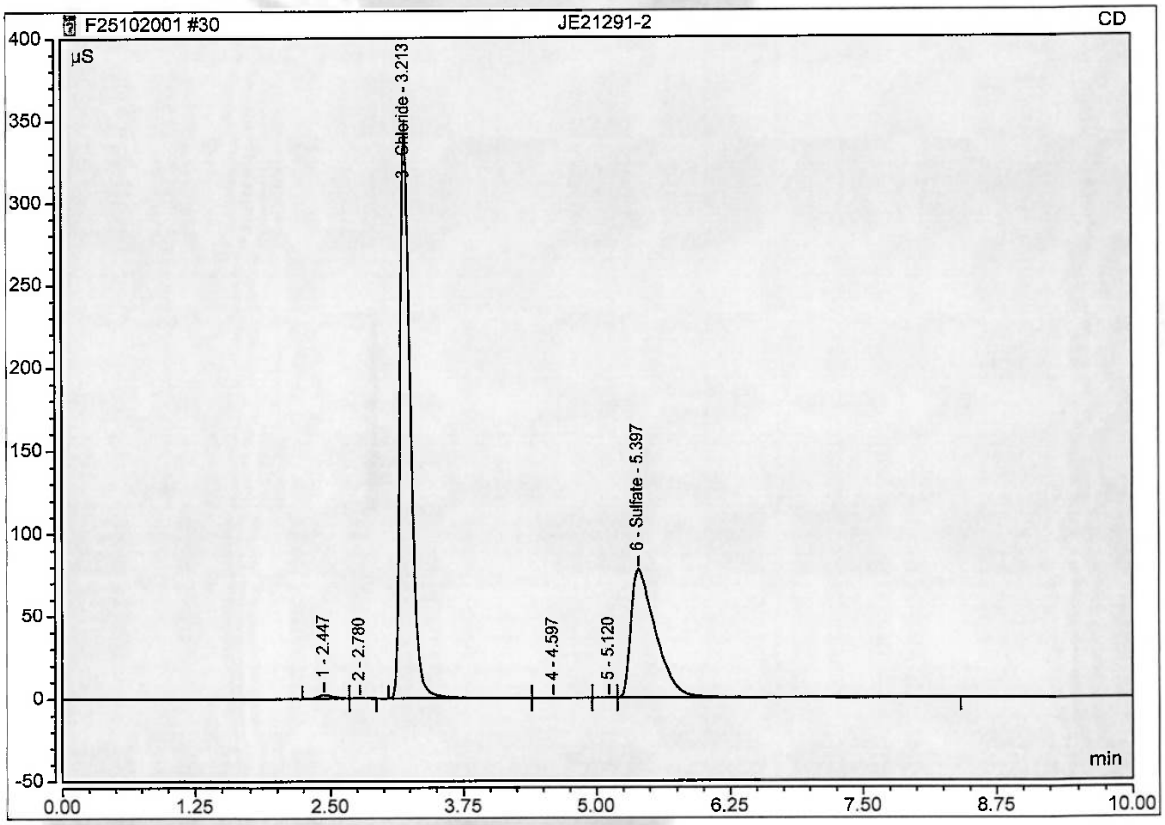
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**JE21291-2**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**5.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**20-Oct-2025 / 23:07**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
3	3.21	Chloride	BMB	39.064	342.188	1373.4605
6	5.40	Sulfate	MB	20.521	77.700	972.3358
TOTAL:				59.59	419.89	2345.80



Anion/Integration

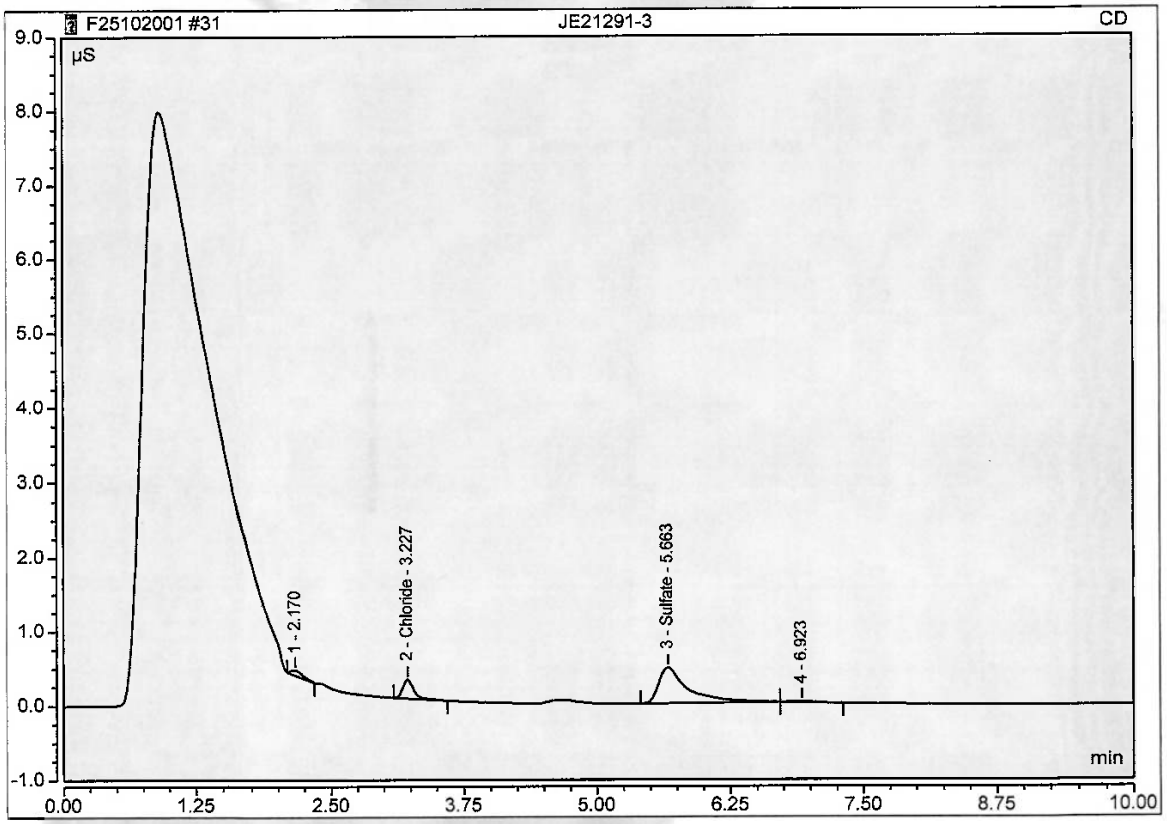
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**JE21291-3**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**20-Oct-2025 / 23:20**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	3.23	Chloride	BMB	0.029	0.256	0.4638
3	5.66	Sulfate	BMb	0.150	0.478	0.9309
TOTAL:				0.18	0.73	1.39



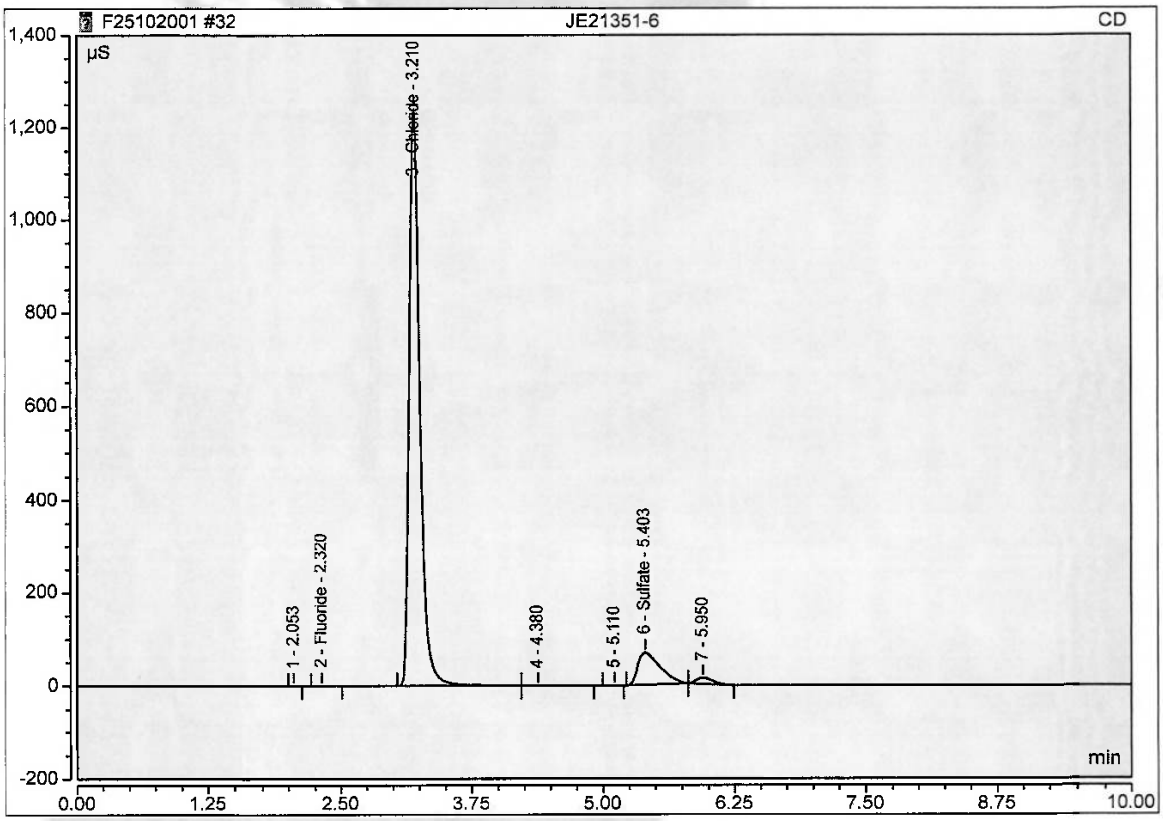
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**JE21351-6**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**20-Oct-2025 / 23:33**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.32	Fluoride	BMB	0.015	0.126	0.0531
3	3.21	Chloride	BMb	146.451	1239.944	1029.1187
6	5.40	Sulfate	BMb	16.918	69.219	160.2322
		TOTAL:		163.38	1309.29	1189.40



Anion/Integration

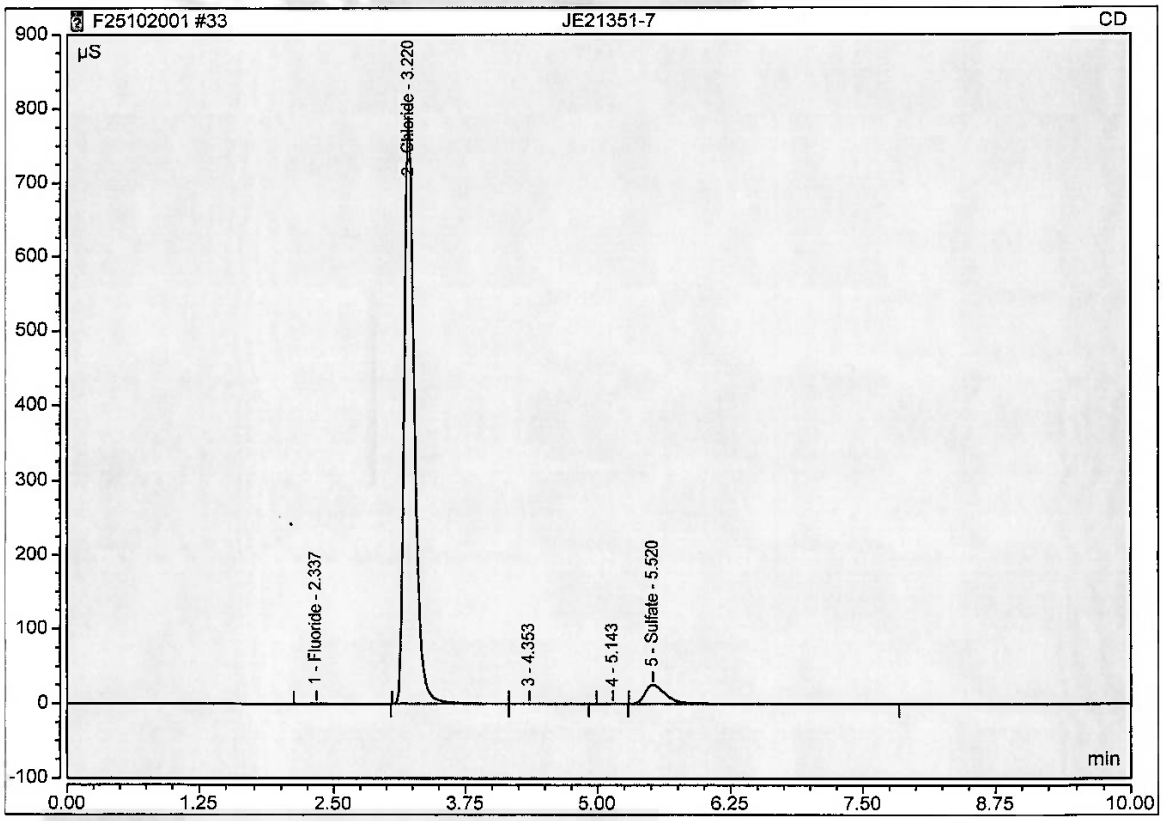
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**JE21351-7**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**20-Oct-2025 / 23:46**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.34	**Fluoride**	BMB	0.072	0.349	0.3118
2	3.22	**Chloride**	BMb	90.406	789.118	635.3825
5	5.52	**Sulfate**	BMB	5.647	25.370	53.1594
		TOTAL:		96.13	814.84	688.85



Anion/Integration

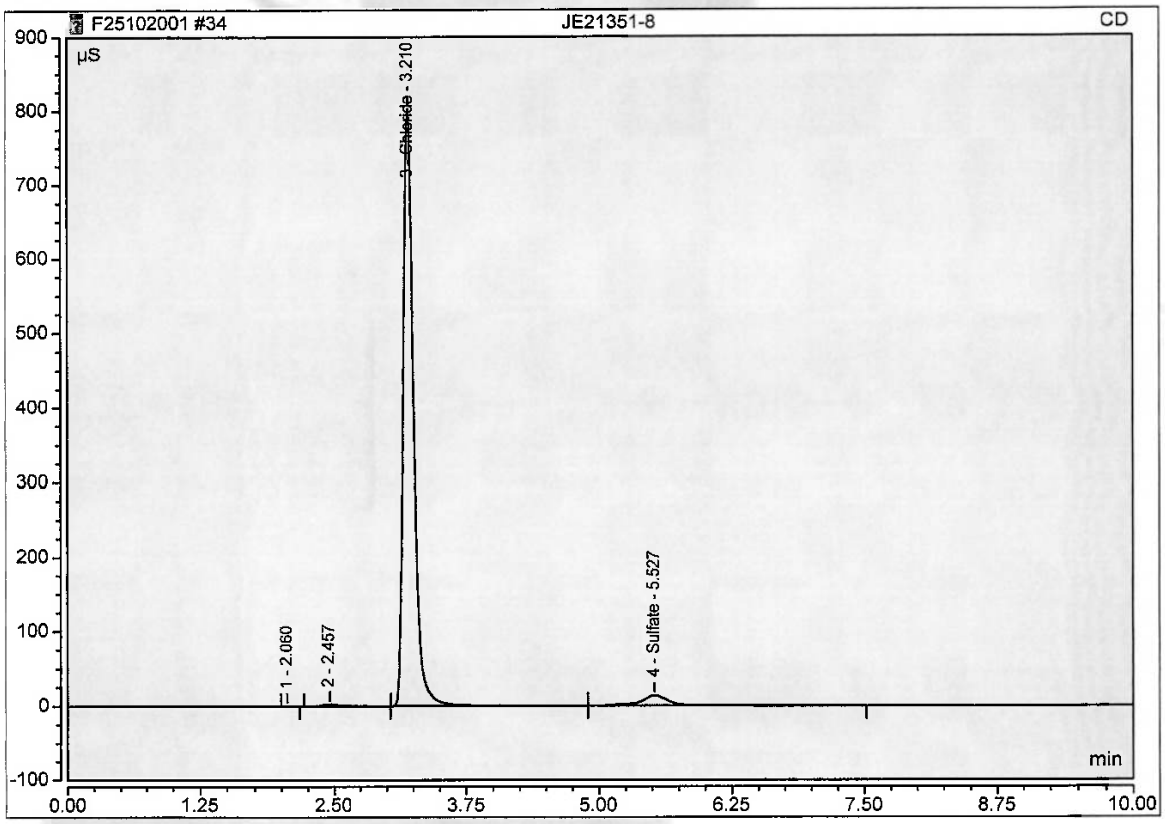
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**JE21351-8**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**20-Oct-2025 / 23:59**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
3	3.21	Chloride	BMb	91.533	802.466	643.3045
4	5.53	Sulfate	bMB	3.927	13.454	36.8190
TOTAL:				95.46	815.92	680.12



Anion/Integration

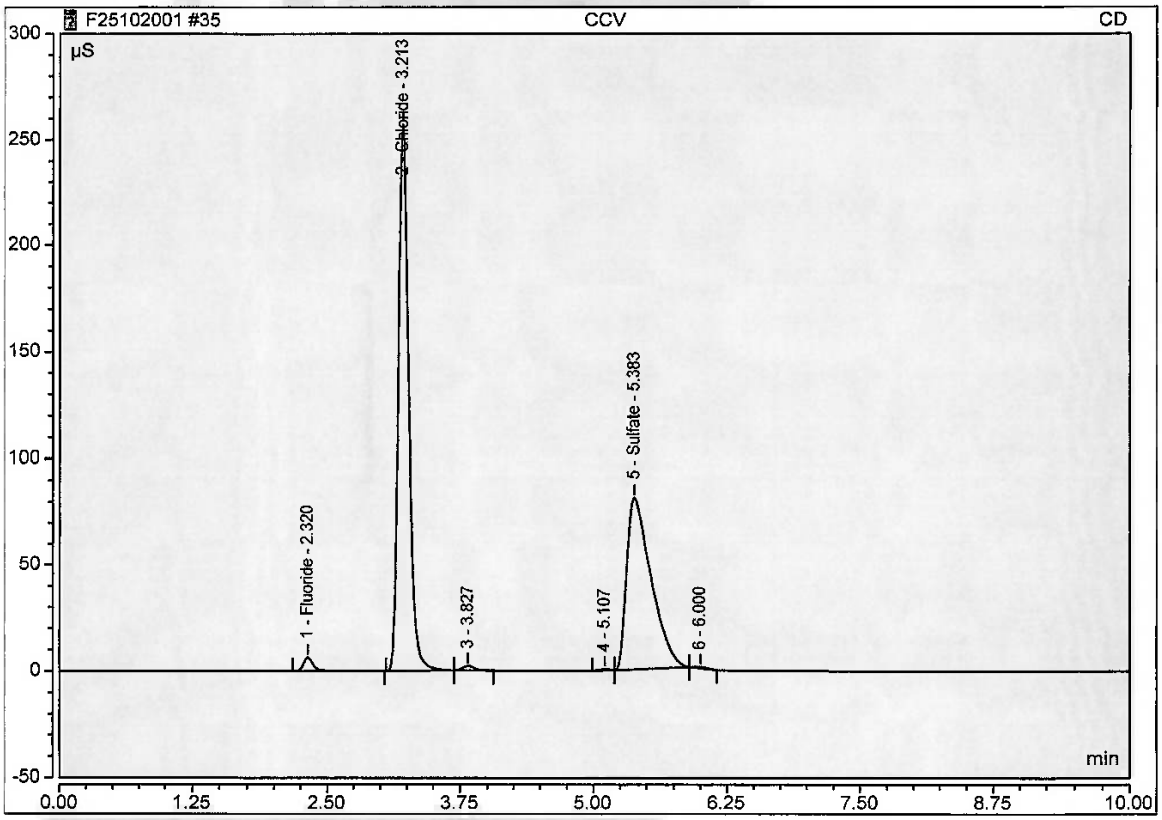
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**CCV**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**21-Oct-2025 / 00:12**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.32	Fluoride	BMB	0.723	6.440	3.2861
2	3.21	Chloride	BMb	29.481	257.252	207.3676
5	5.38	Sulfate	Mb	21.265	80.918	201.5357
TOTAL:				51.47	344.61	412.19



Anion/Integration

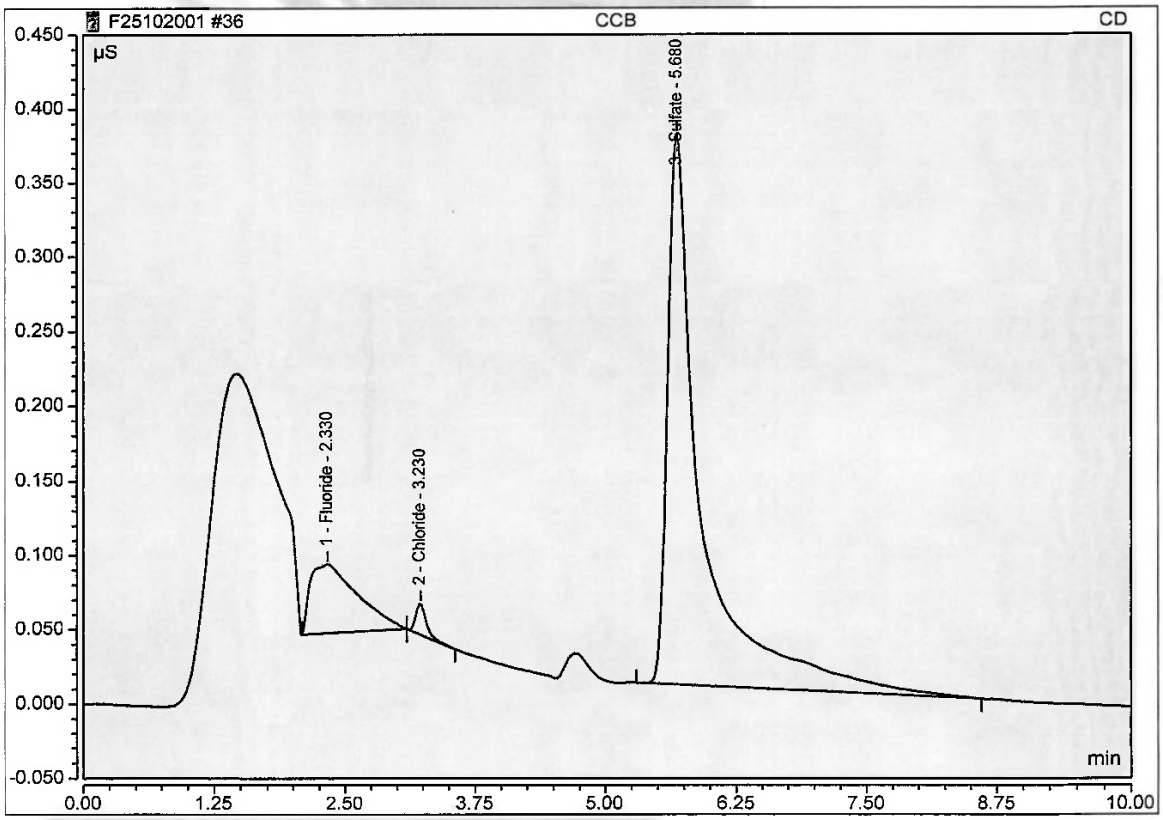
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**CCB**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**21-Oct-2025 / 00:25**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.33	Fluoride	BMb	0.024	0.046	0.0932
2	3.23	Chloride	bMB	0.002	0.021	0.2747
3	5.68	Sulfate	BMB	0.140	0.369	0.8368
TOTAL:				0.17	0.44	1.20



Anion/Integration

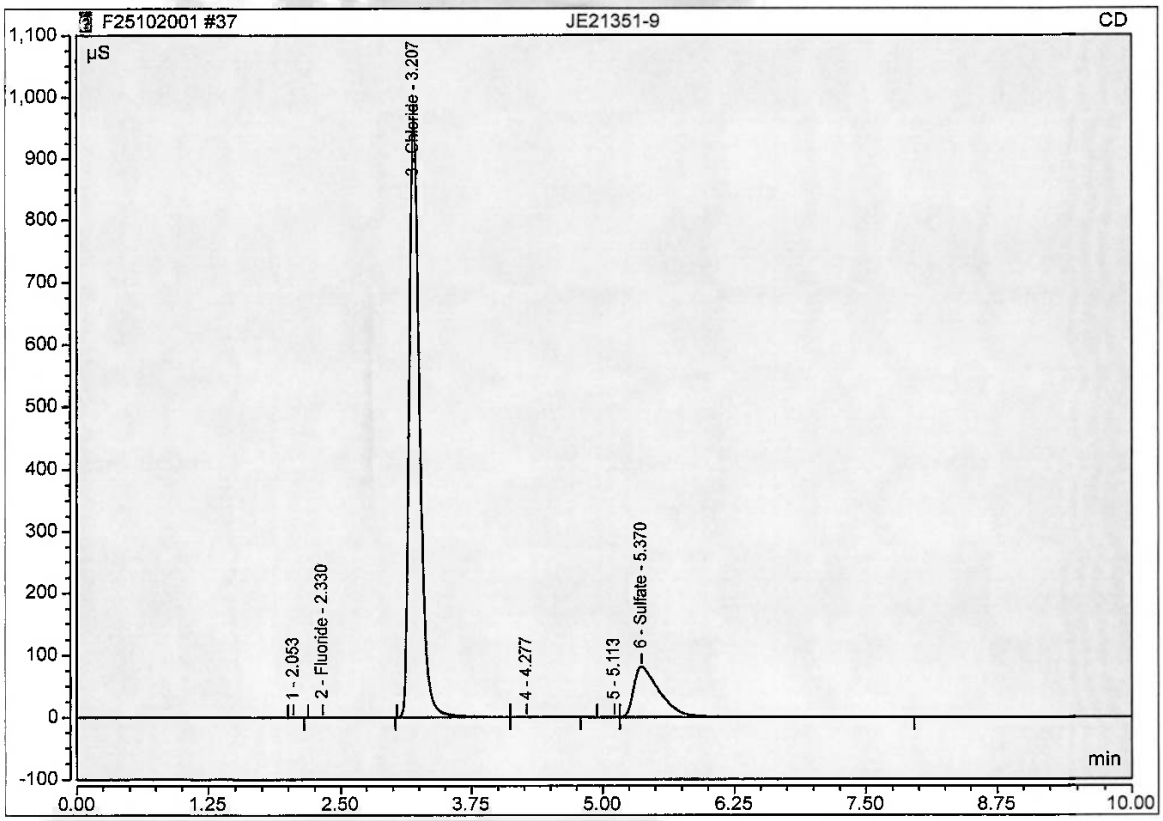
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**JE21351-9**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**21-Oct-2025 / 00:38**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.33	**Fluoride**	BMB	0.015	0.057	0.0525
3	3.21	**Chloride**	BMb	112.770	967.594	792.4985
6	5.37	**Sulfate**	MB	22.816	80.693	216.2681
TOTAL:				135.60	1048.34	1008.82



Anion/Integration

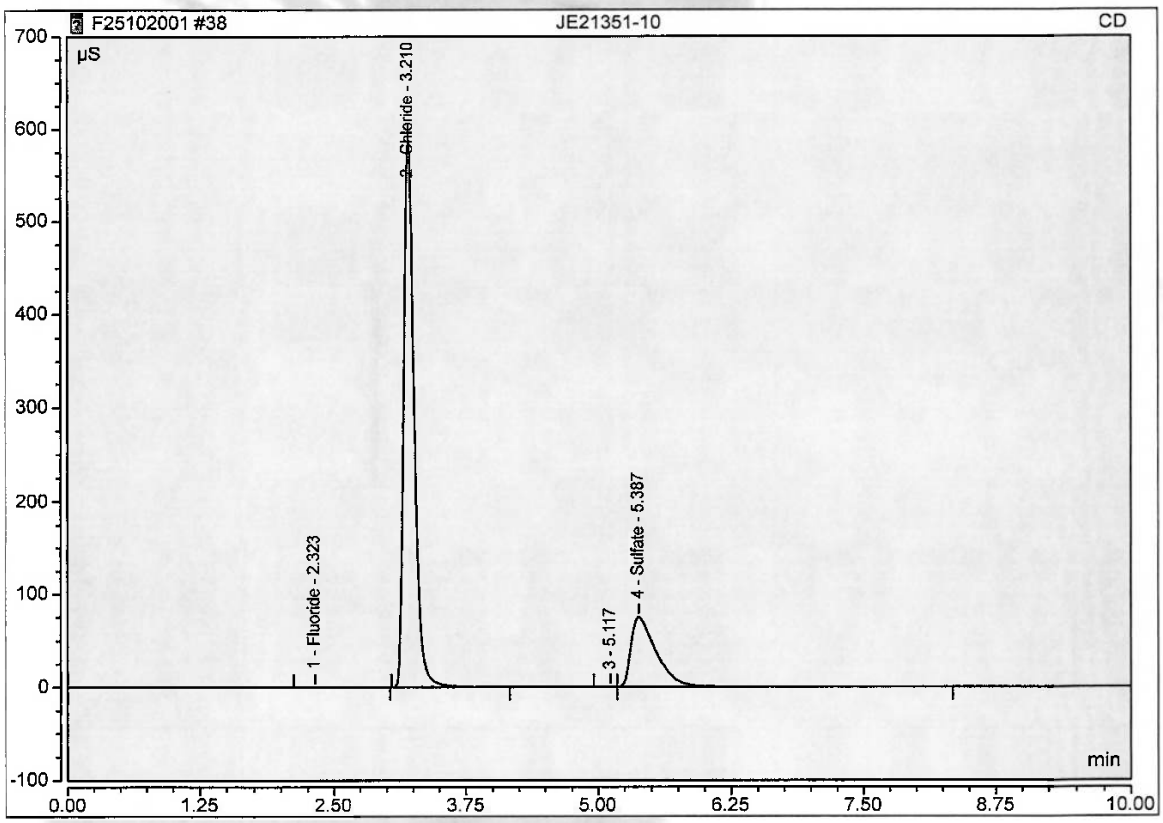
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**JE21351-10**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**21-Oct-2025 / 00:51**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.32	Fluoride	BMB	0.034	0.161	0.1388
2	3.21	Chloride	BMB	68.620	590.196	482.3285
4	5.39	Sulfate	MB	20.349	74.954	192.8345
TOTAL:				89.00	665.31	675.30



Anion/Integration

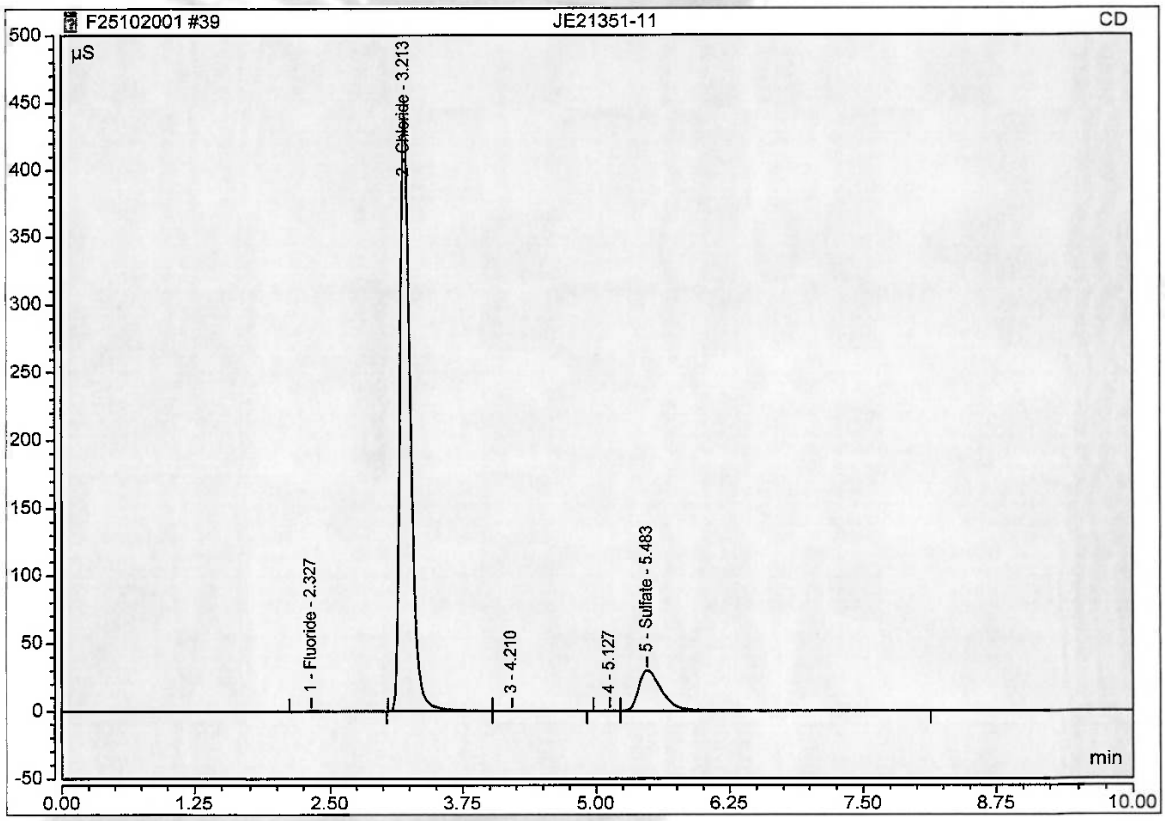
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**JE21351-11**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**21-Oct-2025 / 01:04**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.33	Fluoride	BMB	0.062	0.341	0.2650
2	3.21	Chloride	BMb	50.291	442.128	353.5656
5	5.48	Sulfate	MB	7.349	29.742	69.3251
TOTAL:				57.70	472.21	423.16



Anion/Integration

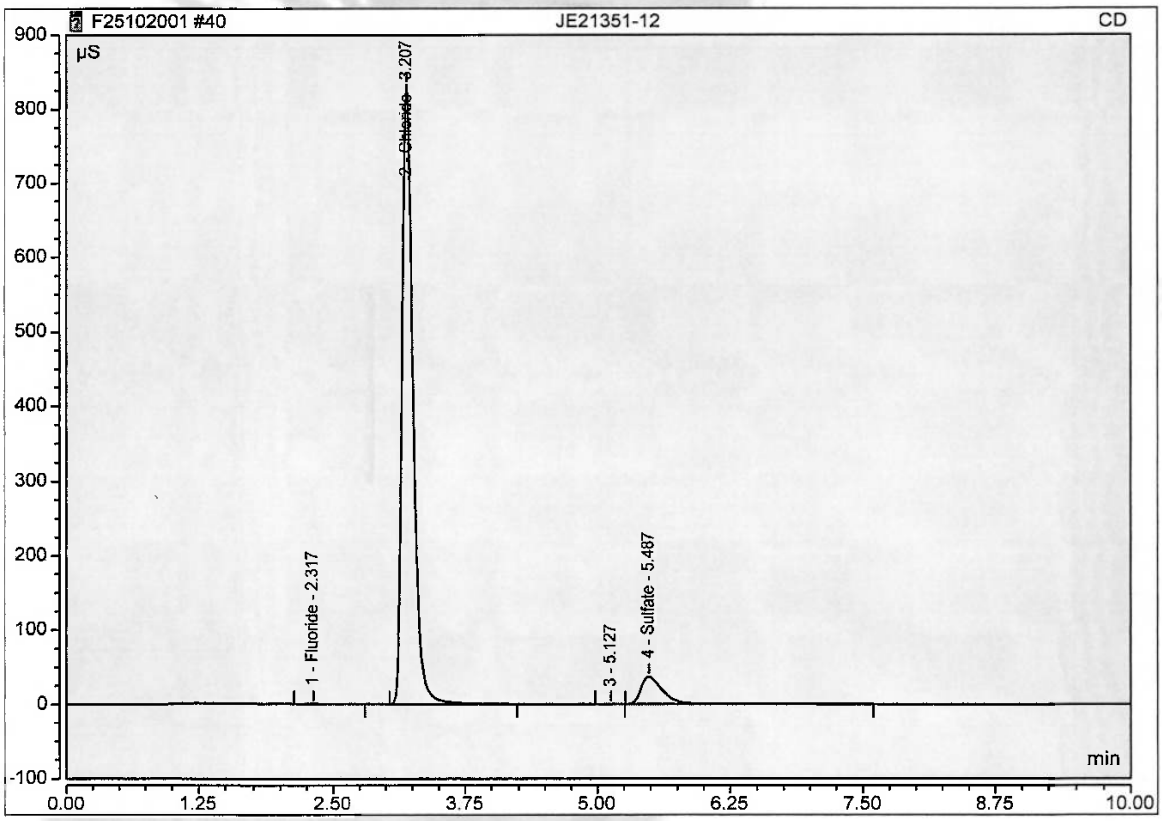
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**JE21351-12**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**21-Oct-2025 / 01:17**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.32	Fluoride	BMB	0.029	0.124	0.1127
2	3.21	Chloride	BMB	99.123	831.987	696.6237
4	5.49	Sulfate	BMB	8.512	36.806	80.3782
TOTAL:				107.66	868.92	777.11



Anion/Integration

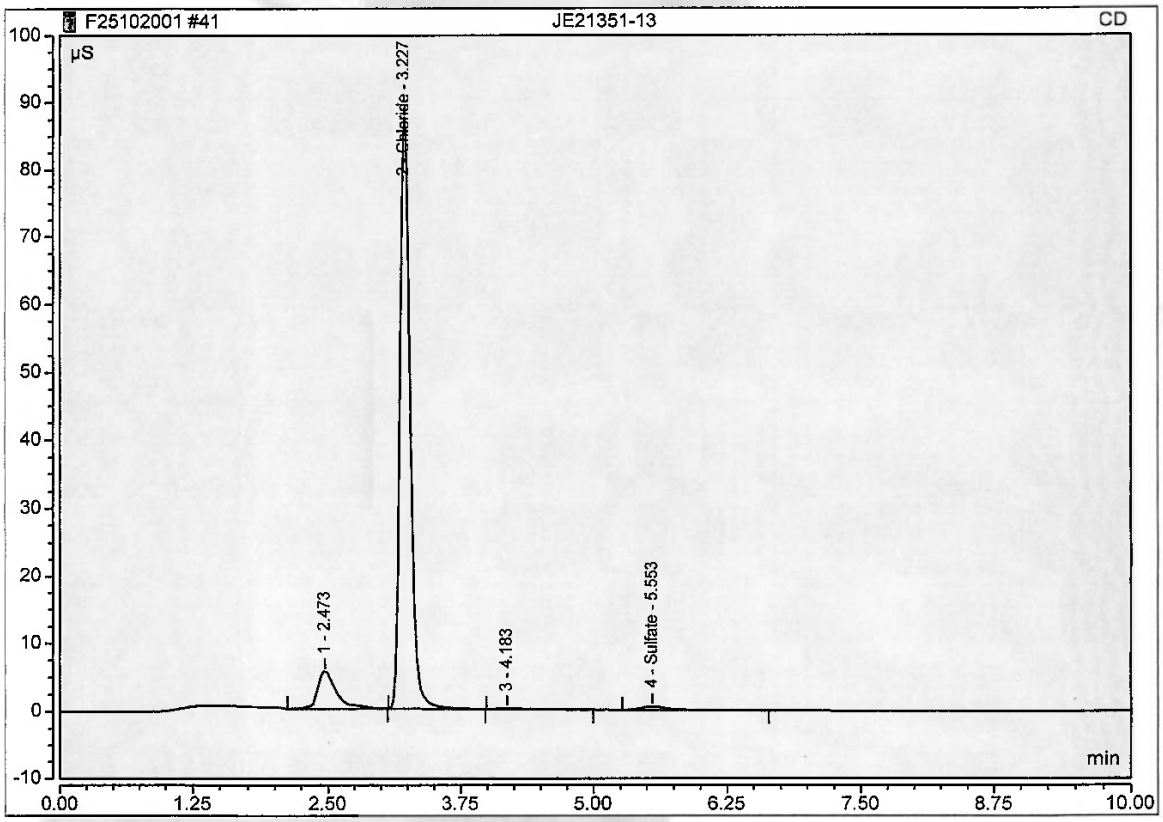
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**JE21351-13**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**21-Oct-2025 / 01:30**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	3.23	Chloride	BMB	9.642	87.369	67.9984
4	5.55	Sulfate	BMB	0.137	0.516	0.8123
TOTAL:				9.78	87.89	68.81



Anion/Integration

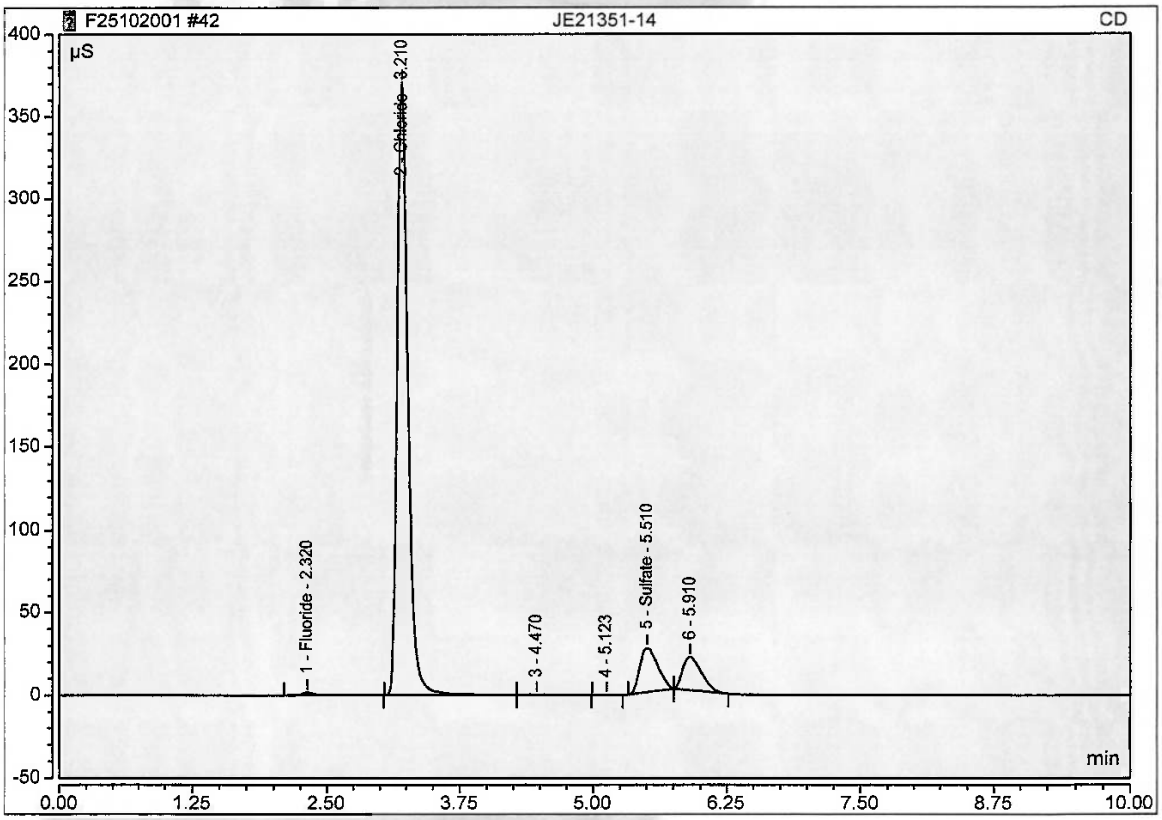
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**JE21351-14**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**21-Oct-2025 / 01:43**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.32	Fluoride	BMB	0.222	1.609	0.9986
2	3.21	Chloride	BMb	44.123	370.549	310.2326
5	5.51	Sulfate	BMB	5.207	26.741	48.9783
		TOTAL:		49.55	398.90	360.21



Anion/Integration

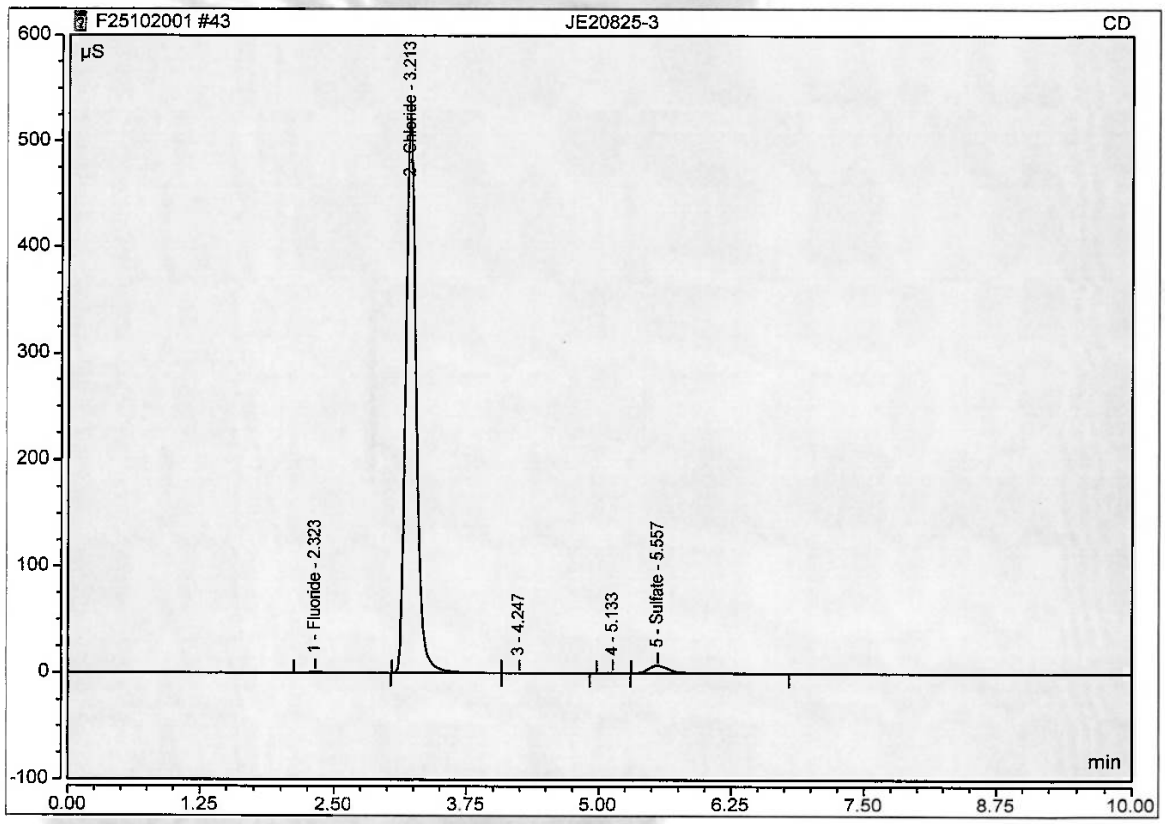
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**JE20825-3**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**21-Oct-2025 / 01:55**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.32	**Fluoride**	BMB	0.148	1.031	0.6571
2	3.21	**Chloride**	BMb	61.925	524.503	435.2991
5	5.56	**Sulfate**	BMB	1.674	7.258	15.4068
		TOTAL:		63.75	532.79	451.36



Anion/Integration

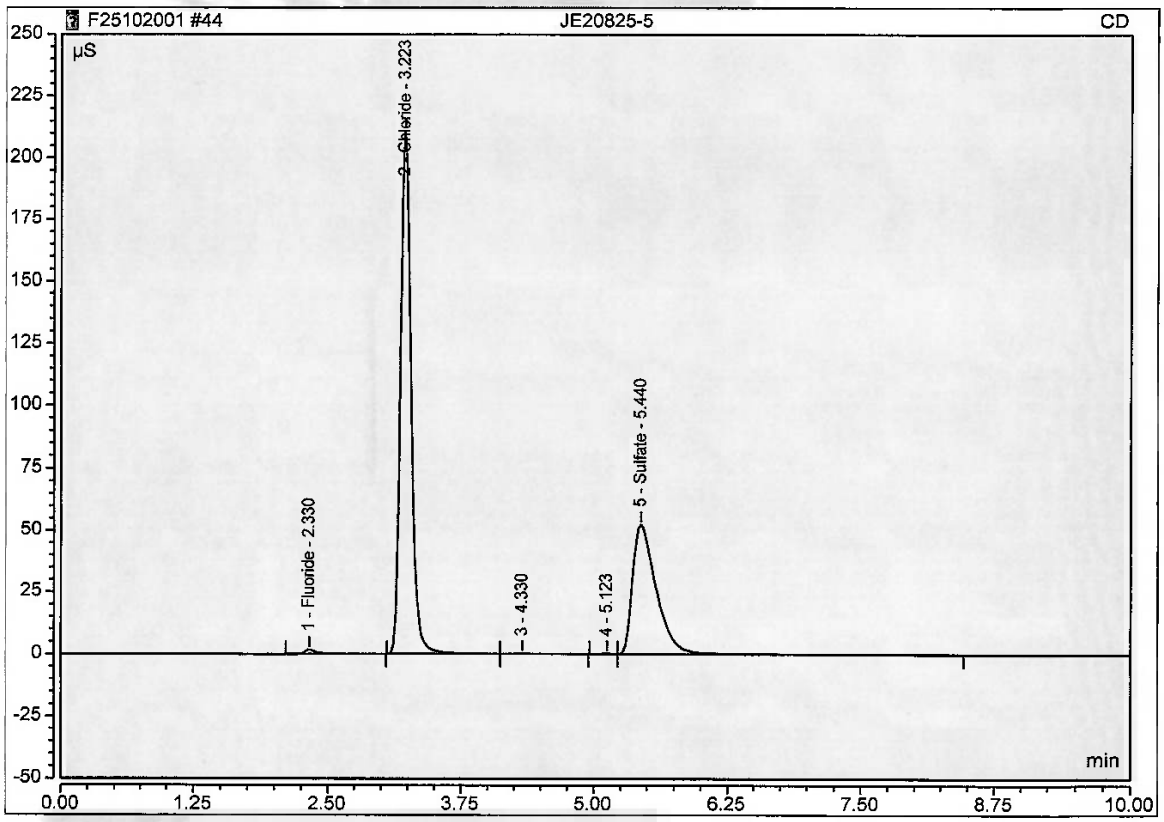
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**JE20825-5**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**21-Oct-2025 / 02:08**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.33	Fluoride	BMB	0.229	1.665	1.0305
2	3.22	Chloride	BMb	24.626	210.998	173.2612
5	5.44	Sulfate	MB	13.499	52.380	127.7496
TOTAL:				38.35	265.04	302.04



Anion/Integration

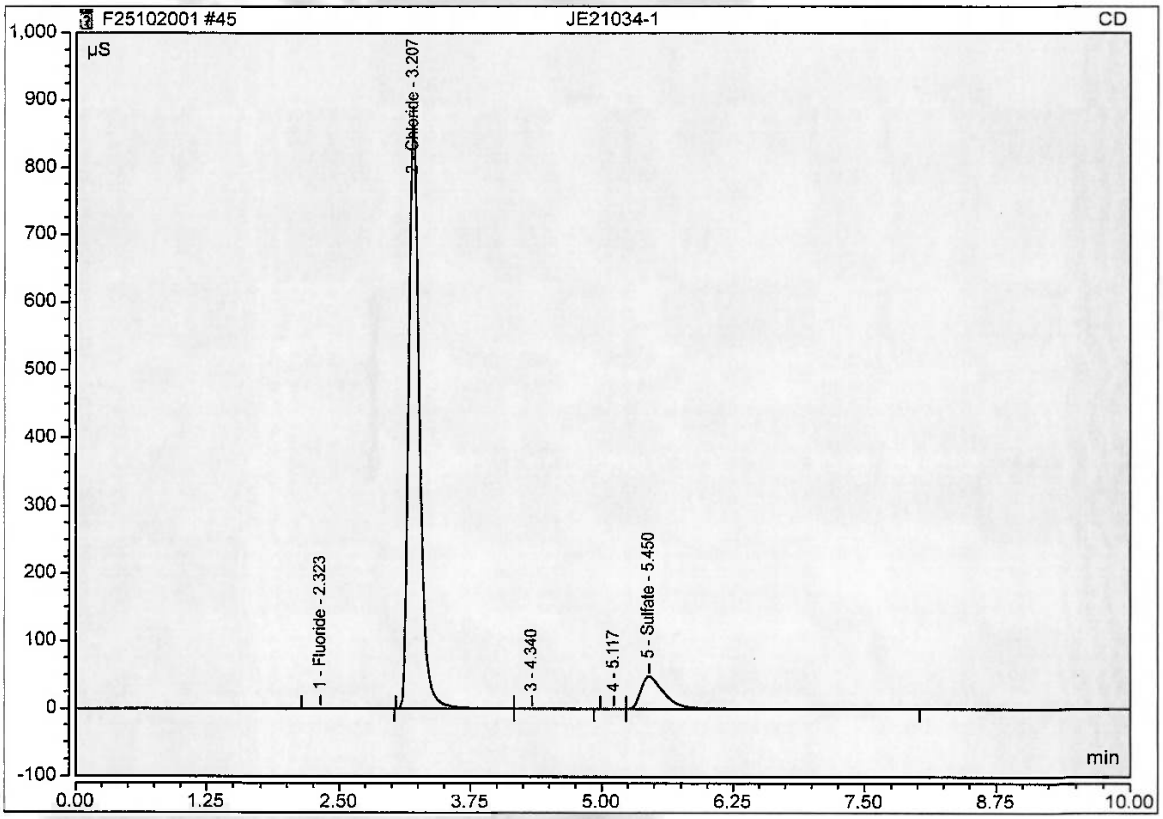
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**JE21034-1**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**21-Oct-2025 / 02:21**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.32	Fluoride	BMB	0.074	0.444	0.3220
2	3.21	Chloride	BMb	105.668	872.028	742.6044
5	5.45	Sulfate	BMB	12.018	47.616	113.6825
		TOTAL:		117.76	920.09	856.61



Anion/Integration

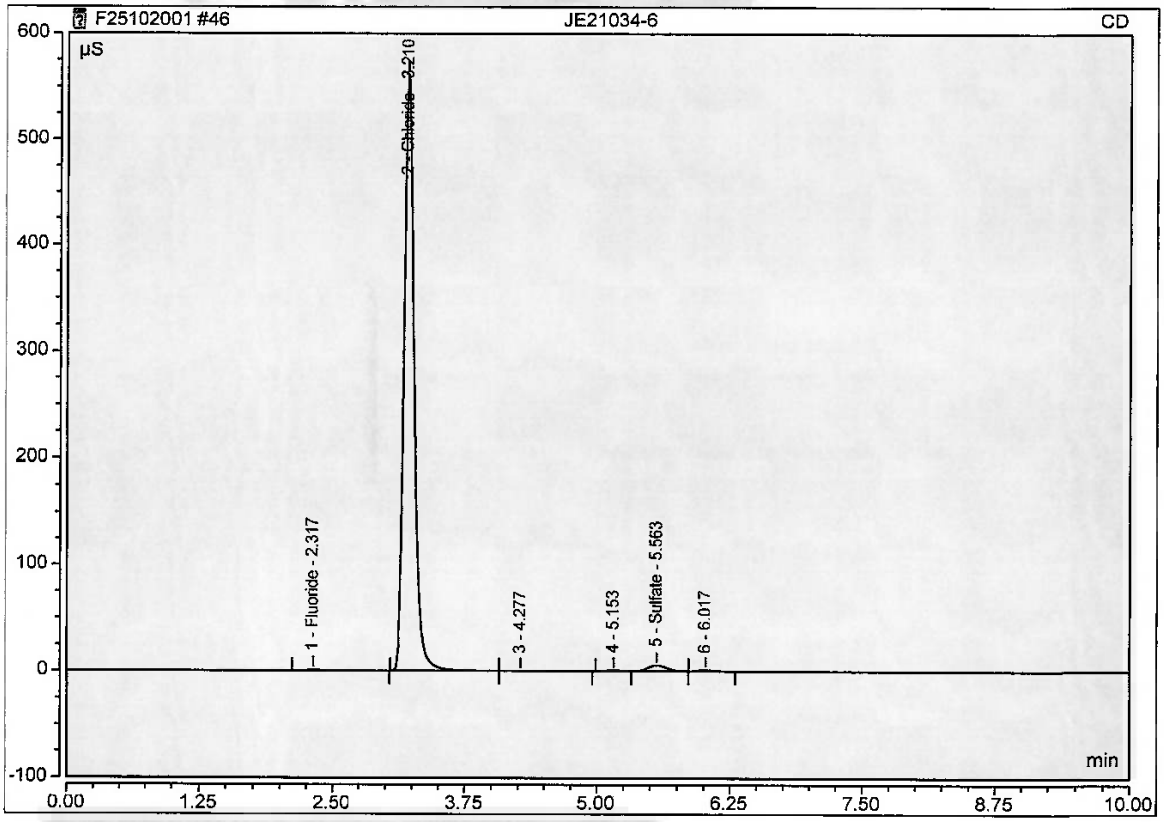
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**JE21034-6**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**21-Oct-2025 / 13:23**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.32	Fluoride	BMB	0.163	1.266	0.7288
2	3.21	Chloride	BMb	63.237	561.660	444.5140
5	5.56	Sulfate	BMB	1.132	5.552	10.2622
TOTAL:				64.53	568.48	455.51



Anion/Integration

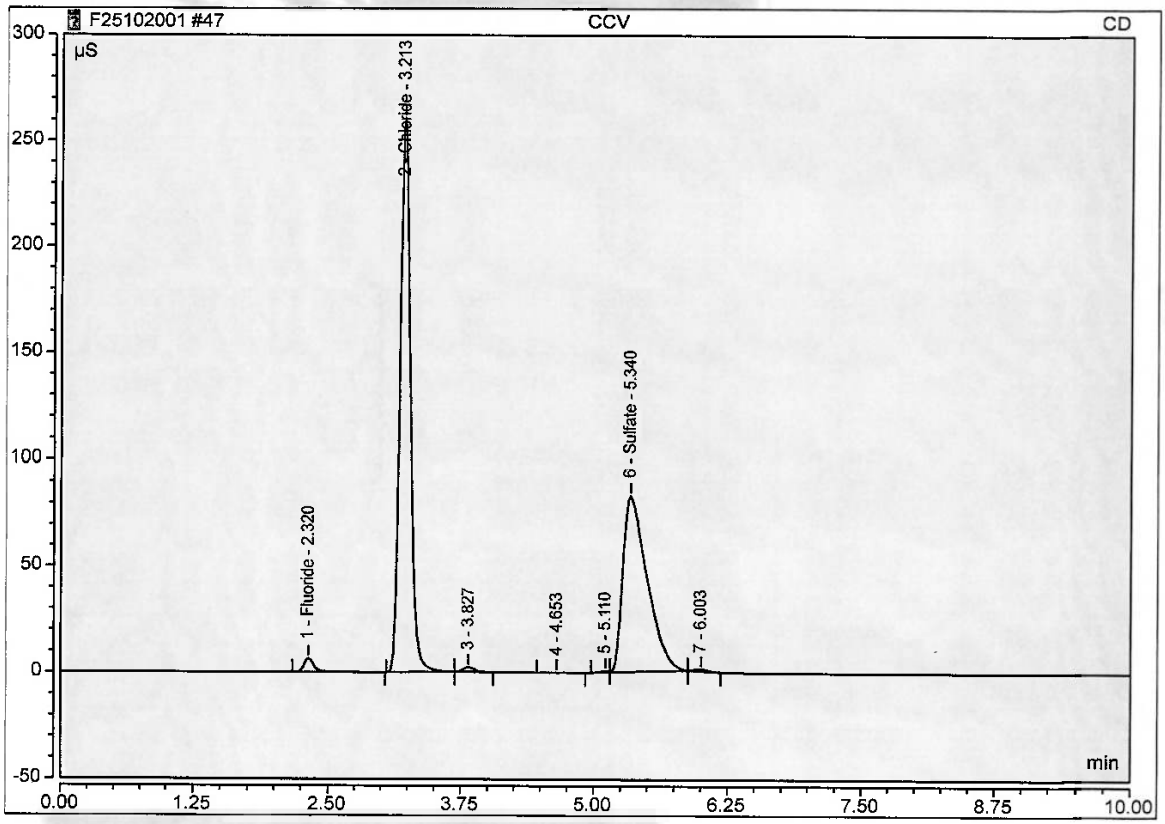
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**CCV**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**21-Oct-2025 / 13:36**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.32	Fluoride	BMB	0.725	6.539	3.2968
2	3.21	Chloride	BMb	29.550	260.838	207.8513
6	5.34	Sulfate	Mb	21.782	82.933	206.4462
TOTAL:				52.06	350.31	417.59



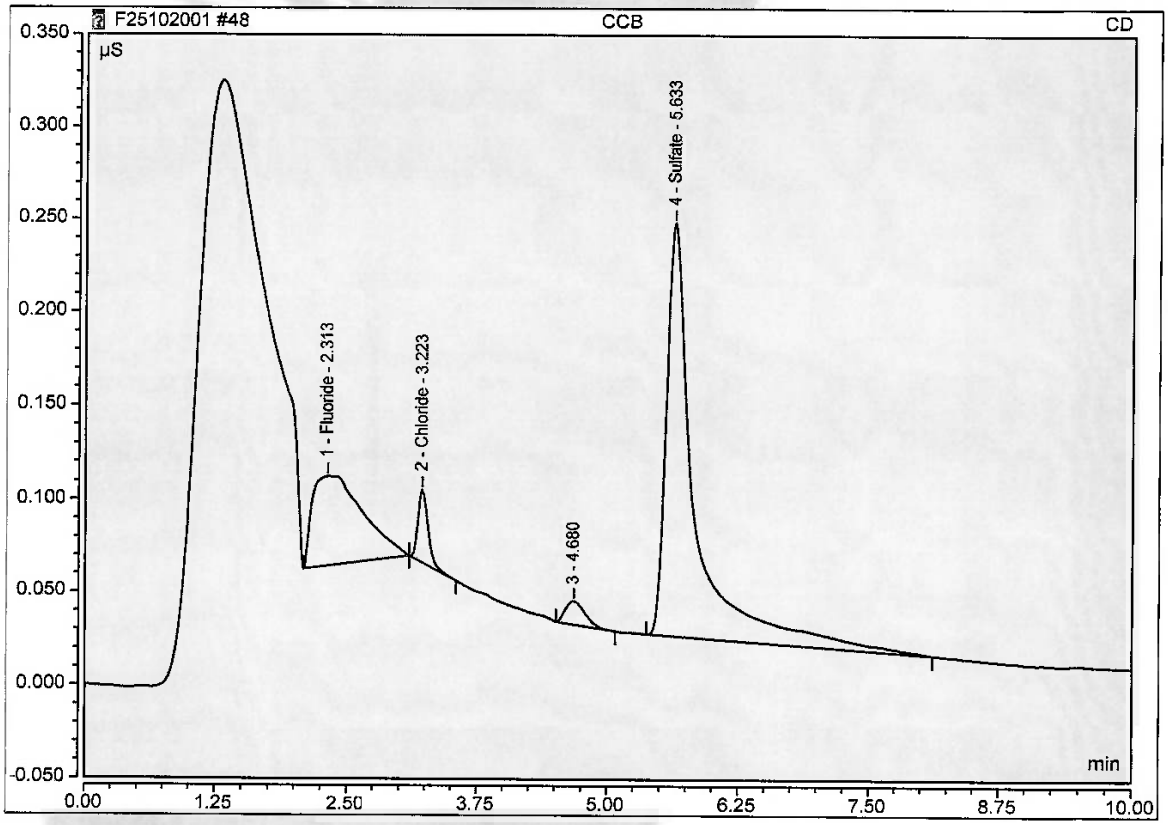
Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

Logged on User: Chemistry
Instrument: Integrion_5(IC-F)
Sequence: F25102001

Peak Integration Report

Sample Name:	**CCB**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**7 anion_multiple injections**	*Operator:*	**Chemistry**
Inj. Date / Time:	**21-Oct-2025 / 13:52**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.31	Fluoride	BMb	0.027	0.048	0.1051
2	3.22	Chloride	bMB	0.004	0.039	0.2885
4	5.63	Sulfate	BMB	0.072	0.221	0.1898
TOTAL:				0.10	0.31	0.58



Anion/Integration

Chromeleon (c) Dionex 1996-2009
Version 7.3.1.6535

LABORATORY REVIEW SIGNATURE FORM
(To be stored with the raw data)

File ID: E102125W1.TKN Date Analyzed: 10/21/25 Methods: EPA 351.2 M/LACHAT, EPA 351.2/LACHAT
Analyst: SS Run ID: GN75054

The following analyst(s) have reviewd this run and attest that, to the best of their knowledge, this documentation is complete and correct:

Analyst: SS Date 10/24/25

Analyst: _____ Date _____

Analyst: _____ Date _____

Analyst: _____ Date _____

Analyst: _____ Date _____

Analyst: _____ Date _____

Analyst: _____ Date _____

The following supervisor or their designee has reviewed this run and attests that, to the best of their knowledge, this documentation is complete and correct:

Supervisor (or designee): _____ Date _____

Author: Chemistry

Date : 10/21/2025

Original Run Filename: OM_10-21-2025_04-03-55PM.OMN Created: 10/21/2025 4:03:55 PM
Original Run Author's Signature: [Chemistry]
Current Run Filename: OM_10-21-2025_04-03-55PM.OMN Last Modified: 10/21/2025 5:31:31 PM
Current Run Author's Signature: [Chemistry]
Description: Default New Run

GN75054
e102125w1.tkn

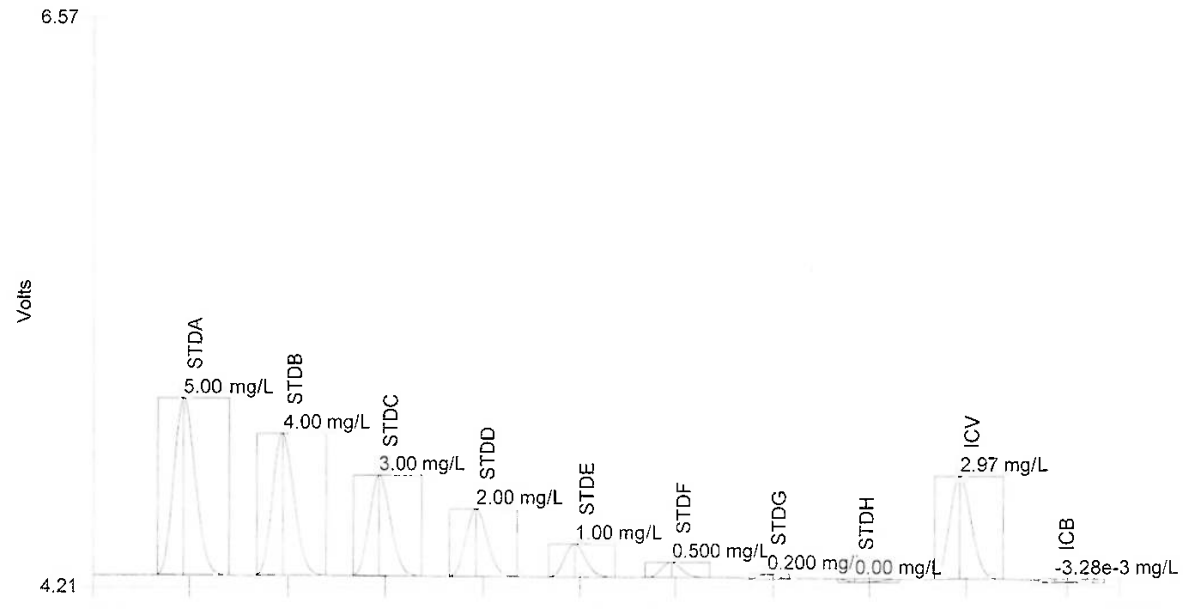
Sample	Rep.	Cup No.	Channel 1 TKN (mg/L)	Detection Time	MDF
STDA	1	S1	5.00	10/21/2025@4:04:52 PM	
STDB	1	S2	4.00	10/21/2025@4:05:44 PM	
STDC	1	S3	3.00	10/21/2025@4:06:37 PM	
STDD	1	S4	2.00	10/21/2025@4:07:31 PM	
STDE	1	S5	1.00	10/21/2025@4:08:25 PM	
STDF	1	S6	0.500	10/21/2025@4:09:18 PM	
STDG	1	S7	0.200	10/21/2025@4:10:10 PM	
STDH	1	S10	0.00	10/21/2025@4:11:03 PM	
ICV	1	S8	2.97	10/21/2025@4:11:56 PM	
	Known Conc:		3.00		
	Calibration:		Table/Fig. : 1		
ICB	1	S10	-3.28e-3	10/21/2025@4:12:50 PM	
	Known Conc:		0.00		
CCV	1	S9	2.82	10/21/2025@4:13:44 PM	
	Known Conc:		3.00		
CCB	1	S10	-0.0276	10/21/2025@4:14:37 PM	
	Known Conc:		0.00		
CONF	1	1	1.08	10/21/2025@4:15:32 PM	
CONF	1	2	0.363	10/21/2025@4:16:27 PM	
CONF	1	3	1.20	10/21/2025@4:17:22 PM	

99%

94%

wrong injection

Channel 1 - Set: 1 / 2



17.6

Author: Chemistry

Date : 10/21/2025

Channel 1 - Set: 2 / 2

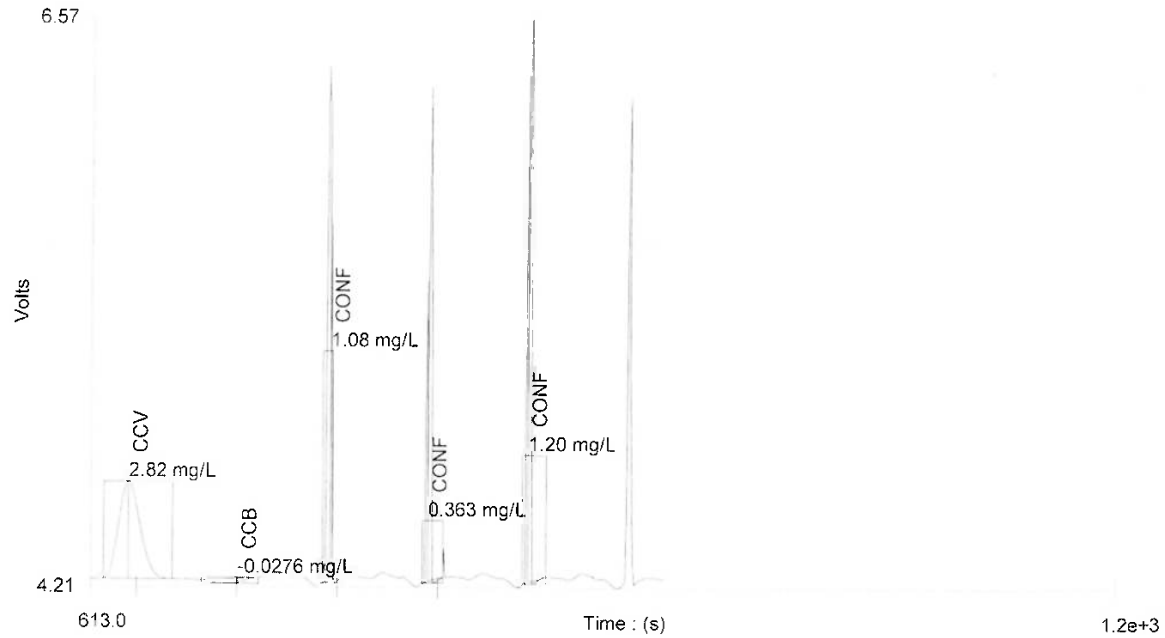
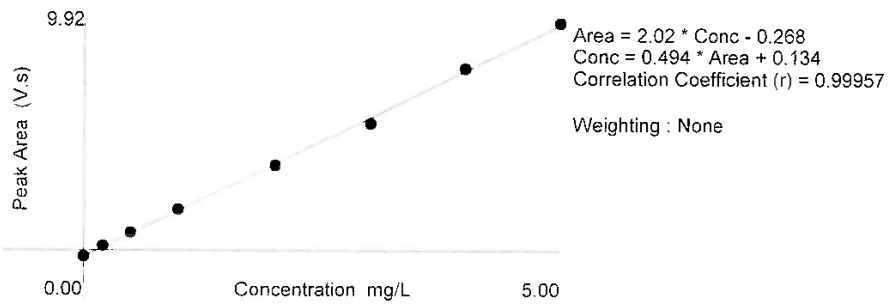


Table : 1 (TKN)

	Known Conc. (mg/L)	Rep.	Peak Area (V s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg/L)	Detection Date	Detection Time
1	5.00	1	9.92	0.731	0.0	-0.8	5.04	10/21/2025	4:04:52 PM
2	4.00	1	7.92	0.585	0.0	-1.3	4.05	10/21/2025	4:05:44 PM
3	3.00	1	5.55	0.412	0.0	4.2	2.88	10/21/2025	4:06:37 PM
4	2.00	1	3.71	0.278	0.0	1.6	1.97	10/21/2025	4:07:31 PM
5	1.00	1	1.79	0.136	0.0	-2.2	1.02	10/21/2025	4:08:25 PM
6	0.500	1	0.784	0.0618	0.0	-5.6	0.522	10/21/2025	4:09:18 PM
7	0.200	1	0.194	0.0192	0.0	-42.4	0.230	10/21/2025	4:10:10 PM
8	0.00	1	-0.277	-0.0147			-2.55e-3	10/21/2025	4:11:03 PM

0.8✓
1.25✓
-4✓
-1.5✓
2✓
9.4✓
15✓

Figure : 1 (TKN)



Author: Chemistry

Date : 10/21/2025

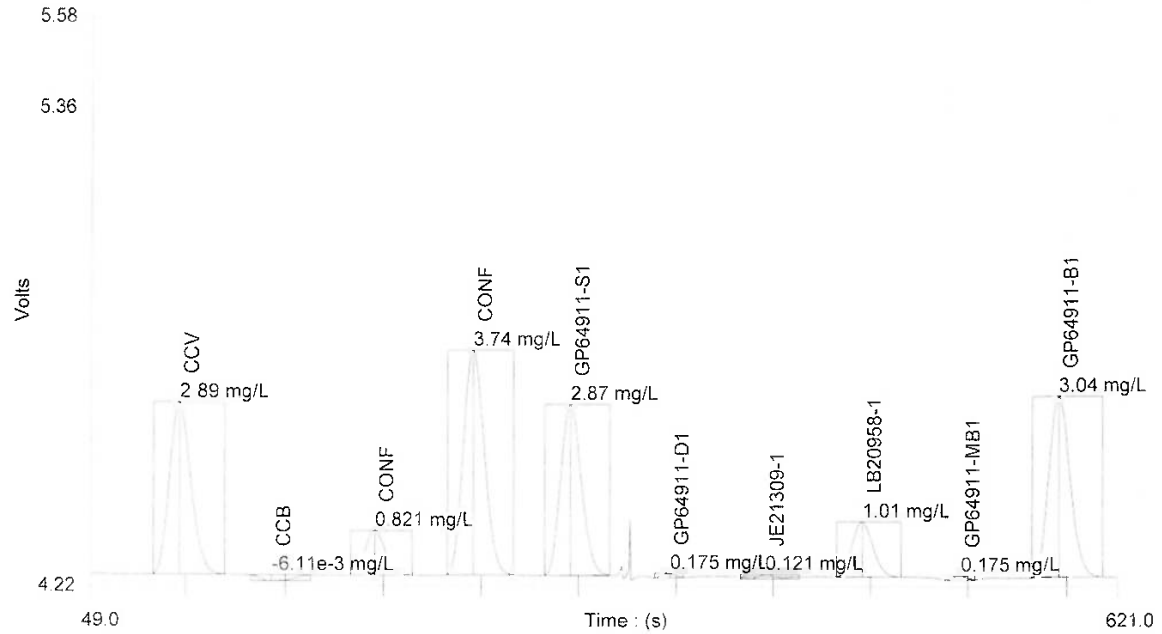
Original Run Filename: OM_10-21-2025_04-43-46PM.OMN Created. 10/21/2025 4:43:46 PM
Original Run Author's Signature. [Chemistry]
Current Run Filename: OM_10-21-2025_04-43-46PM.OMN Last Modified: 10/21/2025 5:32:01 PM
Current Run Author's Signature: [Chemistry]
Description: Default New Run

Sample	Rep.	Cup No.	Channel 1 TKN (mg/L)	Detection Time	MDF	
CCV	1	S9	2.89	10/21/2025@4:47:46 PM		96.3%
	Known Conc:		3.00			
	Calibration:		Table/Fig. : 1			
CCB	1	S10	-6.11e-3	10/21/2025@4:48:40 PM		
	Known Conc:		0.00			
CONF	1	1	0.821	10/21/2025@4:49:35 PM		] wrong injection
CONF	1	2	3.74	10/21/2025@4:50:30 PM		
GP64911-S1	1	3	2.87	10/21/2025@4:51:25 PM		
GP64911-D1	1	4	0.175	10/21/2025@4:52:19 PM		
JE21309-1	1	5	0.121	10/21/2025@4:53:13 PM		
LB20958-1	1	6	1.01	10/21/2025@4:54:08 PM		
GP64911-MB1	1	1	0.175	10/21/2025@4:55:02 PM		
GP64911-B1	1	2	3.04	10/21/2025@4:55:57 PM		101.3%
JE21113-1	1	7	0.626	10/21/2025@4:56:52 PM		
JE21123-1	1	8	1.27	10/21/2025@4:57:45 PM		
CCV	1	S9	2.86	10/21/2025@4:58:39 PM		95.3%
	Known Conc:		3.00			
CCB	1	S10	3.14e-4	10/21/2025@4:59:32 PM		
	Known Conc:		0.00			
JE21124-1	1	9	1.24	10/21/2025@5:00:26 PM		
JE21345-1	1	10	0.676	10/21/2025@5:01:19 PM		
JE21300-1	1	11	1.34	10/21/2025@5:02:12 PM		
JE21034-1	1	12	0.930	10/21/2025@5:03:04 PM		
JE21034-6	1	13	0.454	10/21/2025@5:03:57 PM		
JE21127-1	1	14	0.429	10/21/2025@5:04:49 PM		
JE21128-1	1	15	0.220	10/21/2025@5:05:41 PM		
JE21129-2	1	16	0.374	10/21/2025@5:06:35 PM		
JE21201-1	1	17	0.389	10/21/2025@5:07:30 PM		
JE21200-1	1	18	7.69	10/21/2025@5:08:25 PM		out of range
CCV	1	S9	2.86	10/21/2025@5:09:19 PM		95.3%
	Known Conc:		3.00			
CCB	1	S10	-2.32e-3	10/21/2025@5:10:13 PM		
	Known Conc:		0.00			
LB21233-1	1	19	0.688	10/21/2025@5:11:07 PM		
GP64912-MB1	1	20	0.126	10/21/2025@5:12:02 PM		
GP64912-B1	1	21	3.04	10/21/2025@5:12:55 PM		101.3%
GP64912-S1	1	22	2.99	10/21/2025@5:13:49 PM		
GP64912-D1	1	23	0.643	10/21/2025@5:14:43 PM		
JE21129-1	1	24	0.740	10/21/2025@5:15:36 PM		
JE21200-1	1	25	2.98	10/21/2025@5:16:30 PM	3.00	5 mL sample, 10 mL carrier
CCV	1	S9	2.86	10/21/2025@5:19:09 PM		95.3%
	Known Conc:		3.00			
CCB	1	S10	2.38e-3	10/21/2025@5:20:03 PM		
	Known Conc:		0.00			

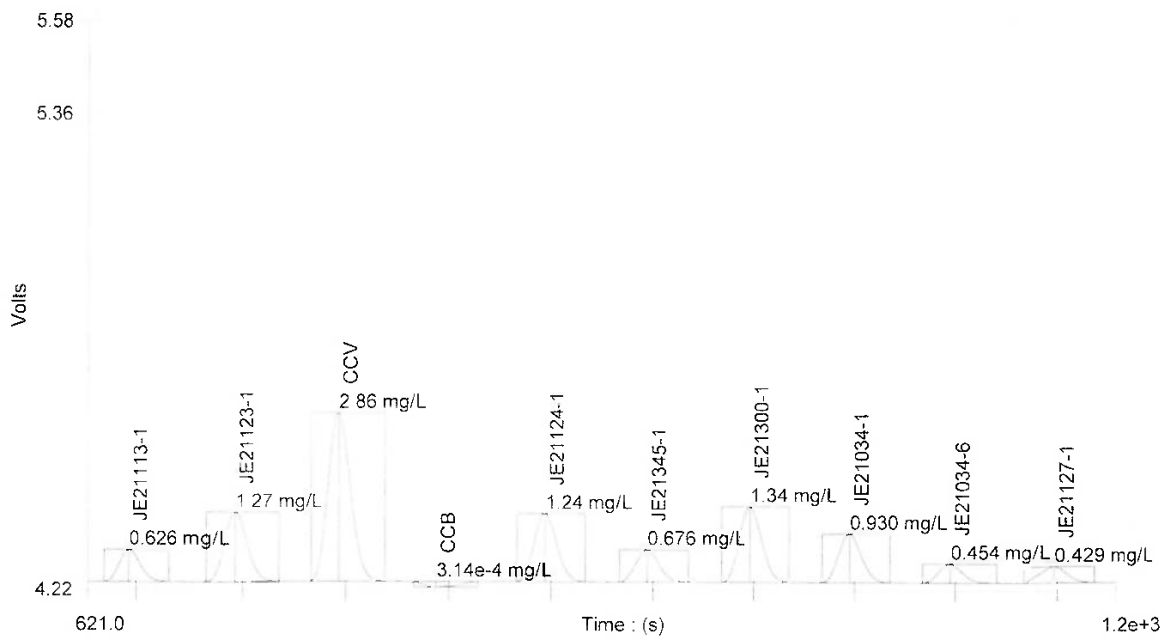
Author: Chemistry

Date : 10/21/2025

Channel 1 - Set: 1 / 4



Channel 1 - Set: 2 / 4



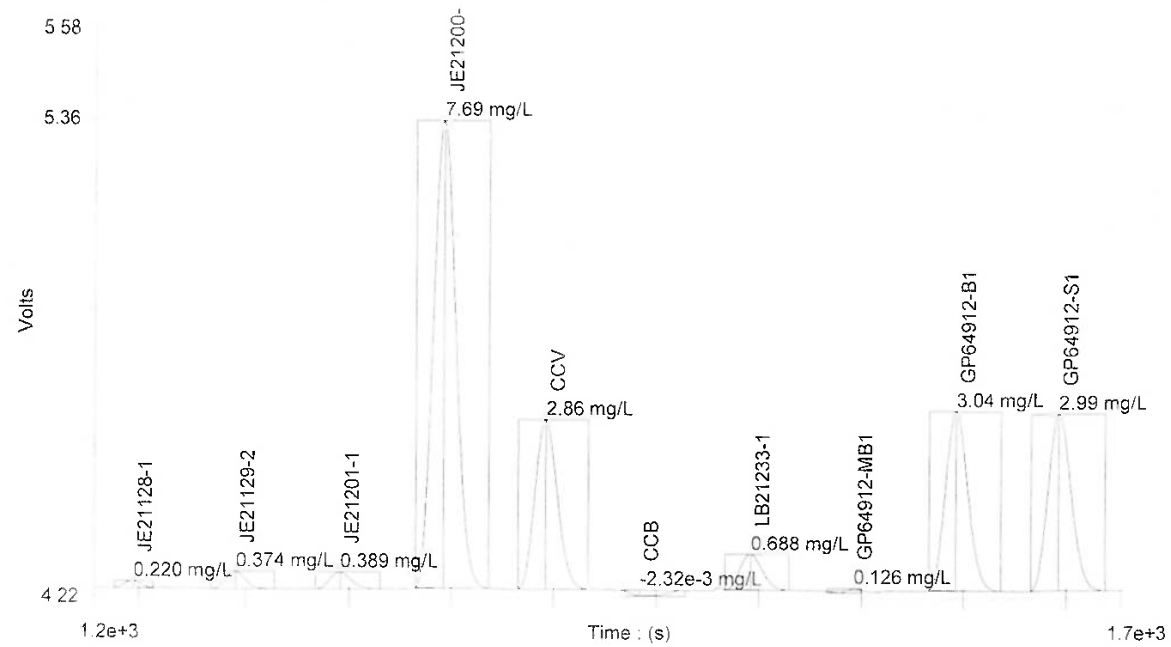
17.6

17

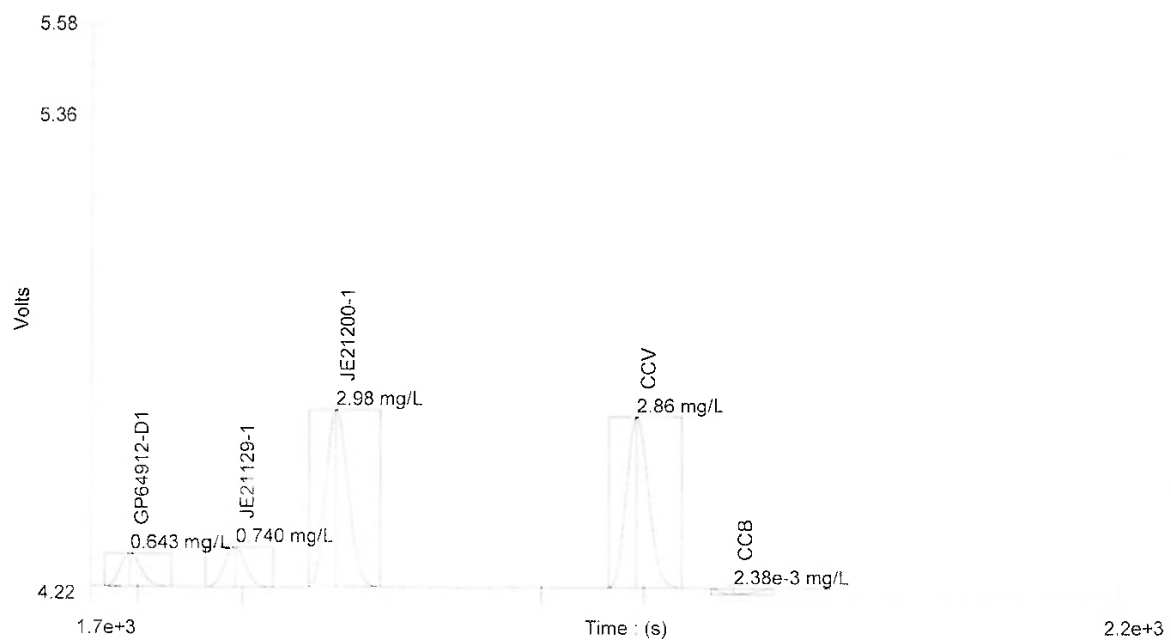
Author: Chemistry

Date : 10/21/2025

Channel 1 - Set: 3 / 4



Channel 1 - Set: 4 / 4



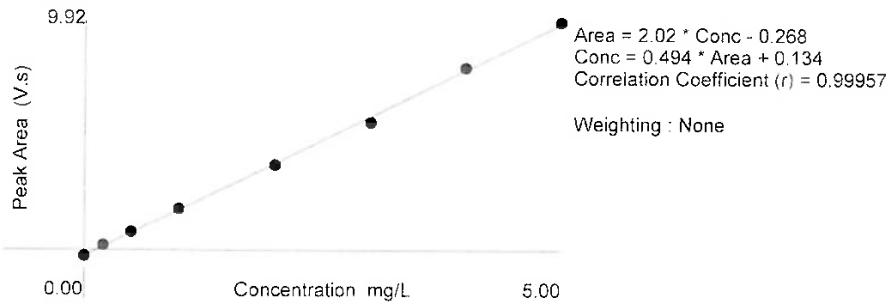
Author: Chemistry

Date : 10/21/2025

Table : 1 (TKN)

	Known Conc (mg/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg/L)	Detection Date	Detection Time
1	5.00	1	9.92	0.731	0.0	-0.8	5.04	10/21/2025	4:04:52 PM
2	4.00	1	7.92	0.585	0.0	-1.3	4.05	10/21/2025	4:05:44 PM
3	3.00	1	5.55	0.412	0.0	4.2	2.88	10/21/2025	4:06:37 PM
4	2.00	1	3.71	0.278	0.0	1.6	1.97	10/21/2025	4:07:31 PM
5	1.00	1	1.79	0.136	0.0	-2.2	1.02	10/21/2025	4:08:25 PM
6	0.500	1	0.784	0.0618	0.0	-5.6	0.522	10/21/2025	4:09:18 PM
7	0.200	1	0.194	0.0192	0.0	-42.4	0.230	10/21/2025	4:10:10 PM
8	0.00	1	-0.277	-0.0147			-2.55e-3	10/21/2025	4:11:03 PM

Figure : 1 (TKN)



Total Kjeldahl Nitrogen (TKN) Digestion Log

GP Number:_ GP64911/GP64912

Methods: EPA 351.2 (waters)
EPA 351.2 M (soils)
Product: TKN

Analyst: SS
Date: 10/21/2025

Digestion at 160 °C start time: 8:00
end time: 9:00

Digestion at 380 °C start time: 10:30
end time: 11:00

Digestion Block: B_____
C____Y_

Pipette IDs: 61/63

Sample ID	Matrix	Digestion Tube Number	Dilution	Initial Sample Volume (ml or g)	Final Volume in ml	Amount Spiked	Spike Conc. (mg/l)	Comments
STD-5		1	1	20 ML	20ML	10	10PPM	
STD-4		2	1	20 ML	20ML	8	10PPM	
STD-3		3	1	20 ML	20ML	6	10PPM	
STD-2		4	1	20 ML	20ML	4	10PPM	
STD-1		5	1	20 ML	20ML	2	10PPM	
STD-0.5		6	1	20 ML	20ML	1	10PPM	
STD-0.2		7	1	20 ML	20ML	0.4	10PPM	
STD-0		8	1	20 ML	20ML	0	--	
ICV		9	1	20 ML	20ML	6	10PPM	GLYCINE-N
ICB		10	1	20 ML	20ML	0	--	
CCV		11	1	20 ML	20ML	6	10PPM	
CCV		12	1	20 ML	20ML	6	10PPM	
CCB		13	1	20 ML	20ML			
GP64911-MB1		14	1	20 ML	20ML			
GP64911-B1		15	1	20 ML	20ML	6	10PPM	GLYCINE-N
GP64911-S1		16	1	20 ML	20ML	6	10PPM	GLYCINE-N
GP64911-D1		17	1	20 ML	20ML			
JE21309-1		18	1	20 ML	20ML			QC
LB20958-1		19	1	5 ML	20ML			
JE21113-1		20	1	20 ML	20ML			
JE21123-1		21	1	10 ML	20ML			
JE21124-1		22	1	10 ML	20ML			
JE21345-1		23	1	10 ML	20ML			
JE21300-1		24	1	10 ML	20ML			
JE21034-1		25	1	10 ML	20ML			
JE21034-6		26	1	10 ML	20ML			
JE21127-1		27	1	5 ML	20ML			
JE21128-1		28	1	1 ML	20ML			
JE21129-2		29	1	5 ML	20ML			
JE21201-1		30	1	5 ML	20ML			
JE21200-1		31	1	5 ML	20ML			
GP64912-MB1		32	1	20 ML	20ML			
GP64912-B1		33	1	20 ML	20ML	6	10PPM	GLYCINE-N
GP64912-S1		34	1	0.2 G	20ML	6	10PPM	GLYCINE-N
GP64912-D1		35	1	0.2 G	20ML			
JE21129-1		36	1	0.2 G	20ML			

Form: GN085-03
Rev Date: 06/21/2023

SGS

General Chemistry Standard Preparation Log FOR TKN

Product: TKN

GP or GN Number: GN75054

Intermediate Standard Description	Stock Standard used for preparation	Stock concentration	Stock volume or weight used with units	Autopipet ID or Balance ID (*)	Diluent	Final Volume	Final Conc. of Intermediate (mg/l)	Expiration Date	Analyst	Date
GNE8-79300-TKN	Ammonium Chloride	1000ppm	3.819 g	B-93	DI	1000ml	1000ppm	2/22/2026	SS	8/22/2025
GNE8-79302-TKN	GNE8-79300-TKN	1000ppm	10 ml	A	DI	100ml	100ppm	11/22/2025	SS	8/22/2025
GNE8-79304-TKN	GNE8-79302-TKN	100ppm	10 ml	A	DI	100ml	10ppm	10/21/2025	SS	10/21/2025
GNE8-79301-TKN	Glycine	1000ppm	5.36 g	B-93	DI	1000ml	1000ppm	2/22/2026	SS	2/24/2025
GNE8-79303-TKN	GNE8-79301-TKN	1000ppm	10ml	A	DI	100ml	100ppm	11/22/2025	SS	5/4/2025
GNE8-79305-TKN	GNE8-79303-TKN	100ppm	10ml	A	DI	100ml	10ppm	10/21/2025	SS	10/21/2025

Standard Description	Intermediate or Stock used to prepare standard	Intermediate or Stock concentration	Intermediate or Stock volume used in ml	Autopipet ID or Balance ID (*)	Diluent	Final Volume	Final Conc. of Standard (mg/l)	Expiration Date	Analyst	Date
STD 5	GNE8-79304-TKN	10ppm	10 ml	A	DI	20 ml	5 ppm	10/21/2025	SS	10/21/2025
STD 4	GNE8-79304-TKN	10ppm	8 ml	A	DI	20 ml	4 ppm	10/21/2025	SS	10/21/2025
STD 3	GNE8-79304-TKN	10ppm	6 ml	A	DI	20 ml	3 ppm	10/21/2025	SS	10/21/2025
STD 2	GNE8-79304-TKN	10ppm	4 ml	A	DI	20 ml	2 ppm	10/21/2025	SS	10/21/2025
STD 1	GNE8-79304-TKN	10ppm	2 ml	A	DI	20 ml	1 ppm	10/21/2025	SS	10/21/2025
STD 0.5	GNE8-79304-TKN	10ppm	1 ml	A	DI	20 ml	0.5 ppm	10/21/2025	SS	10/21/2025
STD 0.2	GNE8-79304-TKN	10ppm	0.4 ml	A	DI	20 ml	0.2 ppm	10/21/2025	SS	10/21/2025
CCV	GNE8-79304-TKN	10ppm	6 ml	A	DI	20 ml	3 ppm	10/21/2025	SS	10/21/2025
ICV (EXT)	GNE8-79305-TKN	10ppm	6 ml	A	DI	20 ml	3 ppm	10/21/2025	SS	10/21/2025

* If Class A glass pipets are used, enter an A. For balances or autopipets, then enter the appropriate SGS ID number.

Form: GN121-06

Rev Date: 6/23/2020

Reagent Information Log - TKN Lachat Autoanalyzer

Reagent	Exp. Date	Reagent # or Manufacturer/Lot
Salicylate Nitroprusside	10/30/2025	GNE8-79298-TKN
Sodium Hypochlorite Solution	12/6/2028	Clorox: E621356MD2419
Carrier	1/11/2026	GNE7-78915-TKN
Buffer	10/30/2025	GNE8-79299-TKN
NaOH	1/11/2026	GNE7-78916-TKN

See attached page for standards prep and for CCV and ICV information.
See attached page(s) for distillations reagent information.

Reason codes for data corrections : 1 - reviewer error correction; 2 - transcription error; 3-computer error; 4- analyst error

Form: GN087A-5
Rev. Date:6/13/06

SGS

Reagent Information Log - Total Kjeldahl Nitrogen

Reagent		Reagent # or Manufacturer/Lot	Exp Date
Standard	TKN Stock Solution	GNE8-79300-TKN	2/22/2026
External Check	GLYCINE-N	GNE8-79301-TKN	2/22/2026
Stock Mercuric Sulfate Solution		GNE7-78917-TKN	1/14/2026
Digestion Solution		GNE7-78918-TKN	1/14/2026
PTFE Boiling Stones		Saint-Gobain D1069103	N/A
External Check	GLYCINE-N 100 PPM	GNE8-79305-TKN	11/22/2025
Standard	TKN Stock Solution 100PPM	GNE8-79304-TKN	11/22/2025

All standards and stocks were made as described in the SOP for this method (circle one): Y or N
If no (N), see attached page for standards prep.

Form: GN087A-41
Rev. Date:11/9/15

LABORATORY REVIEW SIGNATURE FORM
(To be stored with the raw data)

File ID: D102725W1.NO32 Date Analyzed: 10/27/25 Methods: EPA 353.2 M/LACHAT, EPA 353.2/LACHAT
Analyst: JD Run ID: GN75322

The following analyst(s) have reviewd this run and attest that, to the best of their knowledge, this documentation is complete and correct:

Analyst: JD Date 10127125

Analyst: _____ Date _____

Analyst: _____ Date _____

Analyst: _____ Date _____

Analyst: _____ Date _____

Analyst: _____ Date _____

Analyst: _____ Date _____

The following supervisor or their designee has reviewed this run and attests that, to the best of their knowledge, this documentation is complete and correct:

Supervisor (or designee): _____ Date _____

17.7
17

Author: Chemistry

Date : 10/27/2025

Original Run Filename: OM_10-27-2025_06-51-46PM.OMN Created: 10/27/2025 6:51:46 PM
Original Run Author's Signature: [Chemistry]
Current Run Filename: OM_10-27-2025_06-51-46PM.OMN Last Modified: 10/27/2025 9:50:52 PM
Current Run Author's Signature: [Chemistry]
Description: Default New Run

NO32
GN75322
d 102725 01.NO32

Sample	Rep.	Cup No.	Channel 2 NO32 (mg/L)	Detection Time	MDF
STDA	1	S1	5.00	10/27/2025@6:52:38 PM	
STDB	1	S2	4.00	10/27/2025@6:53:45 PM	
STDC	1	S3	2.50	10/27/2025@6:54:52 PM	
STDD	1	S4	1.00	10/27/2025@6:56:00 PM	
STDE	1	S5	0.500	10/27/2025@6:57:08 PM	
STDF	1	S6	0.200	10/27/2025@6:58:14 PM	
STDG	1	S7	0.100	10/27/2025@6:59:21 PM	
STDH	1	S10	0.00	10/27/2025@7:00:29 PM	
CONF	1	1	2.27	10/27/2025@7:01:37 PM	
	Known Conc:		2.00		
CONF	1	2	1.65	10/27/2025@7:02:45 PM	
	Known Conc:		2.00		
CONF	1	3	0.0143	10/27/2025@7:03:53 PM	
	Known Conc:		0.00		
CONF	1	1	1.54	10/27/2025@7:05:01 PM	
	Known Conc:		2.00		
LBSPCONF	1	S7	0.106	10/27/2025@7:06:07 PM	
EFFCHK	1	1	2.04	10/27/2025@7:07:34 PM	
	Known Conc:		2.00		
ICV	1	2	1.82	10/27/2025@7:08:42 PM	
	Known Conc:		2.00		
ICB	1	3	0.0122	10/27/2025@7:09:50 PM	
	Known Conc:		0.00		
CCV	1	S9	2.43	10/27/2025@7:10:58 PM	
	Known Conc:		2.50		
CCB	1	S10	0.0117	10/27/2025@7:12:06 PM	
	Known Conc:		0.00		
GP65046-MB1	1	4	0.0162	10/27/2025@7:13:13 PM	
GP65046-B1	1	5	1.95	10/27/2025@7:14:21 PM	
GP65046-D1	1	6	4.34	10/27/2025@7:15:29 PM	
JD76649-2P	1	7	4.29	10/27/2025@7:16:36 PM	
OLDPECONF	1	8	6.83	10/27/2025@7:17:43 PM	
GP65048-MB1	1	9	3.87e-3	10/27/2025@7:18:51 PM	
GP65048-B1	1	10	1.97	10/27/2025@7:19:58 PM	
GP65048-S1	1	11	1.66	10/27/2025@7:21:05 PM	
GP65048-S2	1	12	1.70	10/27/2025@7:22:12 PM	
GP65048-D1	1	13	8.67e-3	10/27/2025@7:23:19 PM	
CCV	1	S9	2.37	10/27/2025@7:24:26 PM	
	Known Conc:		2.50		
CCB	1	S10	0.0134	10/27/2025@7:25:34 PM	
	Known Conc:		0.00		
JE20825-1	1	14	9.27e-3	10/27/2025@7:26:40 PM	
JE20825-3	1	15	0.0273	10/27/2025@7:27:47 PM	
LB21377-1	1	16	1.22	10/27/2025@7:28:55 PM	
LB21377-2	1	17	1.47	10/27/2025@7:30:03 PM	
LB21377-3	1	18	1.15	10/27/2025@7:31:11 PM	
LB21377-4	1	19	0.857	10/27/2025@7:32:19 PM	
LB21377-5	1	20	0.0528	10/27/2025@7:33:26 PM	
LB21377-6	1	21	0.0694	10/27/2025@7:34:34 PM	
LB21377-7	1	22	0.0718	10/27/2025@7:35:41 PM	
LB21377-8	1	23	0.200	10/27/2025@7:36:49 PM	
CCV	1	S9	2.47	10/27/2025@7:37:56 PM	
	Known Conc:		2.50		
CCB	1	S10	0.0118	10/27/2025@7:39:04 PM	
	Known Conc:		0.00		
LB21377-9	1	24	0.174	10/27/2025@7:40:11 PM	
JE20825-5	1	25	0.0198	10/27/2025@7:41:18 PM	
JE20843-2	1	26	6.29	10/27/2025@7:42:25 PM	
JE20843-4	1	27	8.41	10/27/2025@7:43:32 PM	
JE20843-6	1	28	3.08	10/27/2025@7:44:39 PM	

wrong injection

102 %.

91 %.

95.2 %.

98.5 %.

94.8 %.

98.8

Author: Chemistry

Date : 10/27/2025

JE20843-7	1	29	11.3	10/27/2025@7:45:46 PM	
LB21231-1	1	30	0.102	10/27/2025@7:46:52 PM	
LB21233-1	1	31	2.62	10/27/2025@7:48:00 PM	
JE21034-1	1	32	0.0402	10/27/2025@7:49:08 PM	
JE21034-6	1	33	0.575	10/27/2025@7:50:16 PM	
CCV	1	S9	2.37	10/27/2025@7:51:24 PM	94.8%
	Known Conc:		2.50		
CCB	1	S10	0.0123	10/27/2025@7:52:31 PM	
	Known Conc:		0.00		
GP65053-MB1	1	34	0.0175	10/27/2025@7:53:39 PM	
GP65053-B1	1	35	1.96	10/27/2025@7:54:46 PM	98%
GP65053-S1	1	36	1.75	10/27/2025@7:55:54 PM	
GP65053-S2	1	37	1.93	10/27/2025@7:57:01 PM	
GP65053-D1	1	38	0.0374	10/27/2025@7:58:09 PM	
JE21412-1	1	39	0.0372	10/27/2025@7:59:16 PM	
JE21412-2	1	40	0.0133	10/27/2025@8:00:23 PM	
	Calibration:		Table/Fig. : 1		
JE21412-3	1	41	0.0344	10/27/2025@8:01:30 PM	
JE21412-4	1	42	0.0222	10/27/2025@8:02:37 PM	
JE21412-5	1	43	0.0225	10/27/2025@8:03:44 PM	
CCV	1	S9	2.59	10/27/2025@8:04:51 PM	103.6%
	Known Conc:		2.50		
CCB	1	S10	0.0164	10/27/2025@8:05:59 PM	
	Known Conc:		0.00		
LB21439-1	1	44	0.0166	10/27/2025@8:07:05 PM	
JE21570-1	1	45	4.58	10/27/2025@8:08:12 PM	
JE21570-3	1	46	0.0132	10/27/2025@8:09:20 PM	
JE21570-5	1	47	16.7	10/27/2025@8:10:28 PM	
JE21570-7	1	48	1.29	10/27/2025@8:11:36 PM	
DA76226-1	1	49	0.0283	10/27/2025@8:12:44 PM	
DA76226-2	1	50	0.0735	10/27/2025@8:13:52 PM	
DA76226-3	1	51	0.0629	10/27/2025@8:14:59 PM	
DA76226-4	1	52	0.0431	10/27/2025@8:16:07 PM	
DA76226-5	1	53	0.255	10/27/2025@8:17:14 PM	
CCV	1	S9	2.71	10/27/2025@8:18:22 PM	108.4%
	Known Conc:		2.50		
CCB	1	S10	0.0161	10/27/2025@8:19:30 PM	
	Known Conc:		0.00		
DA76226-6	1	54	0.0596	10/27/2025@8:20:37 PM	
DA76226-7	1	55	0.0227	10/27/2025@8:21:44 PM	
DA76226-8	1	56	0.114	10/27/2025@8:22:51 PM	
LB21212-1	1	57	0.636	10/27/2025@8:23:58 PM	
DA76438-1	1	58	0.223	10/27/2025@8:25:04 PM	
GP65054-MB1	1	59	0.0172	10/27/2025@8:26:11 PM	
CONF	1	60	3.55	10/27/2025@8:27:18 PM	
GP65054-S1	1	61	1.98	10/27/2025@8:28:26 PM	
GP65054-D1	1	62	0.0899	10/27/2025@8:29:34 PM	
DA76441-1	1	63	0.0890	10/27/2025@8:30:42 PM	
CCV	1	S9	2.63	10/27/2025@8:31:50 PM	105.2%
	Known Conc:		2.50		
CCB	1	S10	0.0137	10/27/2025@8:32:57 PM	
	Known Conc:		0.00		
GP65054-B1	1	60	1.97	10/27/2025@8:34:04 PM	98.5%
JE21208-1	1	64	0.0150	10/27/2025@8:35:12 PM	
JE21607-1	1	65	8.49	10/27/2025@8:36:20 PM	
JE21608-1	1	66	3.47	10/27/2025@8:37:27 PM	
JE21609-1	1	67	3.63	10/27/2025@8:38:35 PM	
JE21706-1	1	68	0.0508	10/27/2025@8:39:42 PM	
JE21706-2	1	69	0.0542	10/27/2025@8:40:49 PM	
JE21706-3	1	70	0.350	10/27/2025@8:41:56 PM	
GP65055-MB1	1	71	0.0145	10/27/2025@8:43:03 PM	
GP65055-B1	1	72	1.89	10/27/2025@8:44:10 PM	94.5%
CCV	1	S9	2.54	10/27/2025@8:45:18 PM	101.6%
	Known Conc:		2.50		
CCB	1	S10	0.0151	10/27/2025@8:46:25 PM	
	Known Conc:		0.00		
GP65055-S1	1	73	1.84	10/27/2025@8:47:32 PM	
GP65055-D1	1	74	0.0378	10/27/2025@8:48:39 PM	

Author: Chemistry

Date : 10/27/2025

JE19853-3R	1	75	0.0375	10/27/2025@8:49:46 PM	
JE19853-4R	1	76	0.0422	10/27/2025@8:50:54 PM	
JE19853-5R	1	77	0.0397	10/27/2025@8:52:02 PM	
JE19853-6R	1	78	0.0717	10/27/2025@8:53:10 PM	
JE19853-7R	1	79	0.120	10/27/2025@8:54:18 PM	
JE19853-8R	1	80	0.0427	10/27/2025@8:55:25 PM	
JE19853-9R	1	81	0.0654	10/27/2025@8:56:33 PM	
JE19853-10R	1	82	0.0197	10/27/2025@8:57:41 PM	
CCV	1	S9	2.53	10/27/2025@8:58:48 PM	
	Known Conc:		2.50		
CCB	1	S10	0.0128	10/27/2025@8:59:55 PM	
	Known Conc:		0.00		
JE19853-11R	1	83	0.0215	10/27/2025@9:01:03 PM	
JE19853-12R	1	84	0.0201	10/27/2025@9:02:10 PM	
JE19853-13R	1	85	0.0168	10/27/2025@9:03:17 PM	
JE19853-17R	1	86	0.0197	10/27/2025@9:04:24 PM	
JE19853-18R	1	87	0.0201	10/27/2025@9:05:31 PM	
JE19853-19R	1	88	0.0193	10/27/2025@9:06:38 PM	
JE19853-21R	1	89	0.0186	10/27/2025@9:07:45 PM	
OLDPECONF	1	90	3.61	10/27/2025@9:10:36 PM	2.00
JE20843-2	1	91	3.13	10/27/2025@9:11:44 PM	2.00
JE20843-4	1	92	3.30	10/27/2025@9:12:52 PM	3.00
CCV	1	S9	2.53	10/27/2025@9:13:59 PM	
	Known Conc:		2.50		
CCB	1	S10	0.0155	10/27/2025@9:15:06 PM	
	Known Conc:		0.00		
JE20843-7	1	93	4.24	10/27/2025@9:16:14 PM	4.00
JE21570-5	1	94	7.22	10/27/2025@9:17:22 PM	8.00
JE21570-5	1	95	3.02	10/27/2025@9:18:30 PM	24.00
JE21607-1	1	96	3.64	10/27/2025@9:19:38 PM	3.00
CCV	1	S9	2.56	10/27/2025@9:22:29 PM	
	Known Conc:		2.50		
CCB	1	S10	0.0134	10/27/2025@9:23:36 PM	
	Known Conc:		0.00		

101.2%.

1mL sample, 1mL DI H2O

" " "

1mL sample,

101.2%

5mL sample, 15mL DI H2O

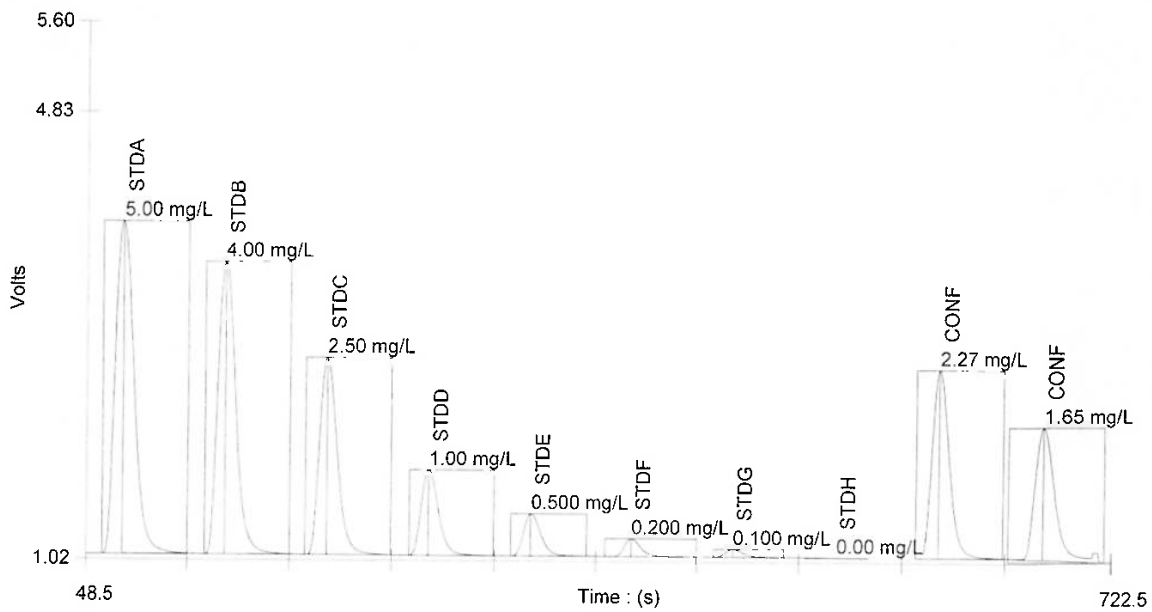
not needed

1mL sample, 23mL DI H2O

5mL sample, 10mL DI H2O

102.4%

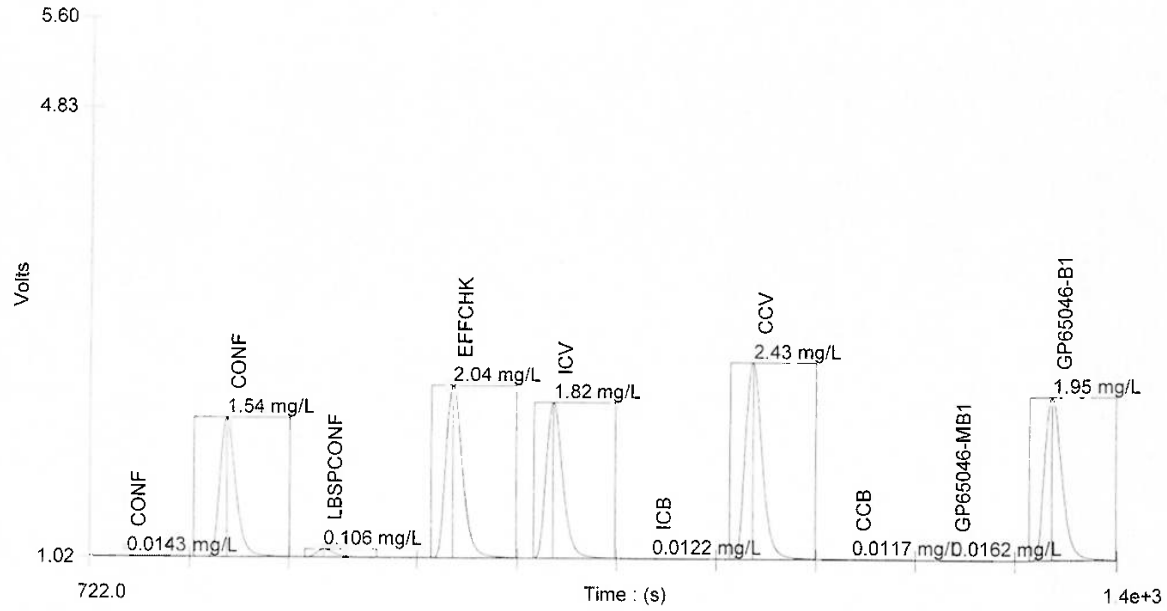
Channel 2 - Set: 1 / 14



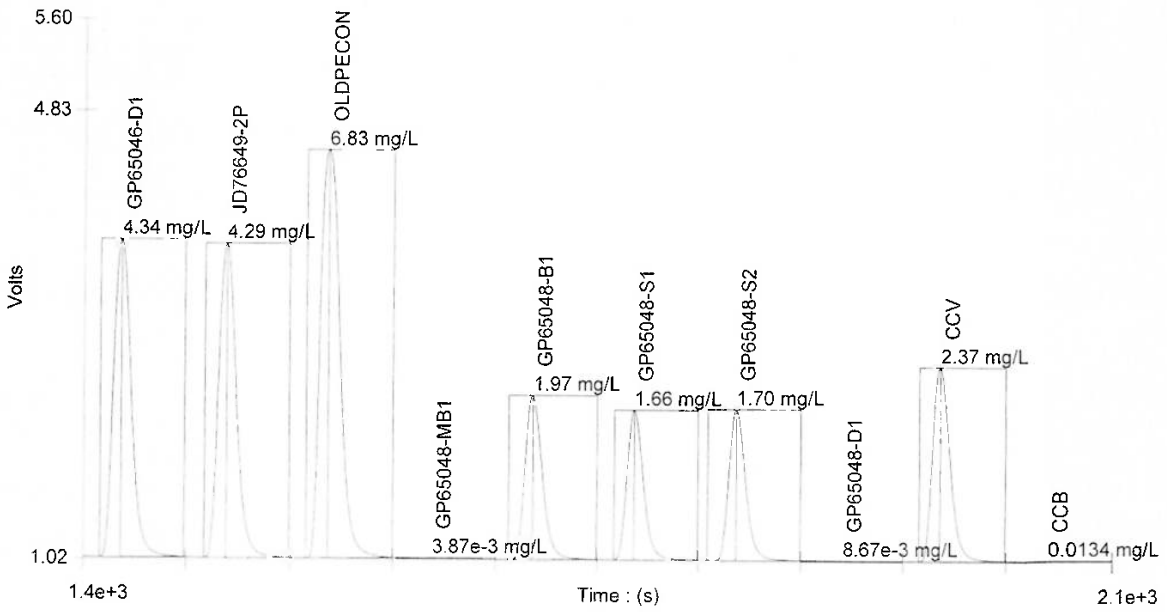
Author: Chemistry

Date : 10/27/2025

Channel 2 - Set: 2 / 14

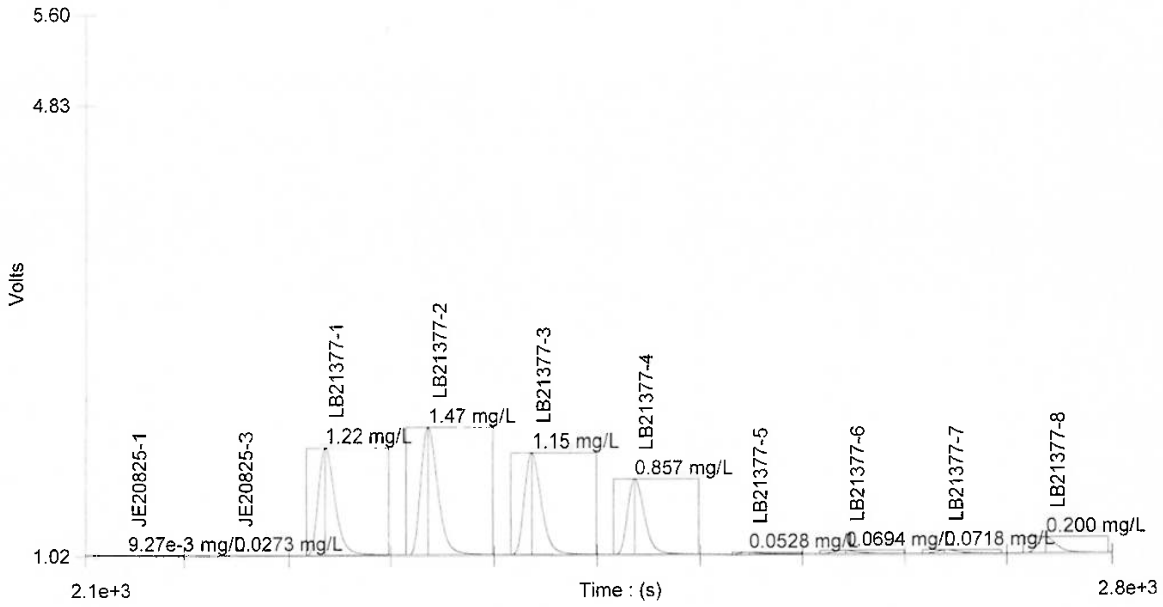


Channel 2 - Set: 3 / 14

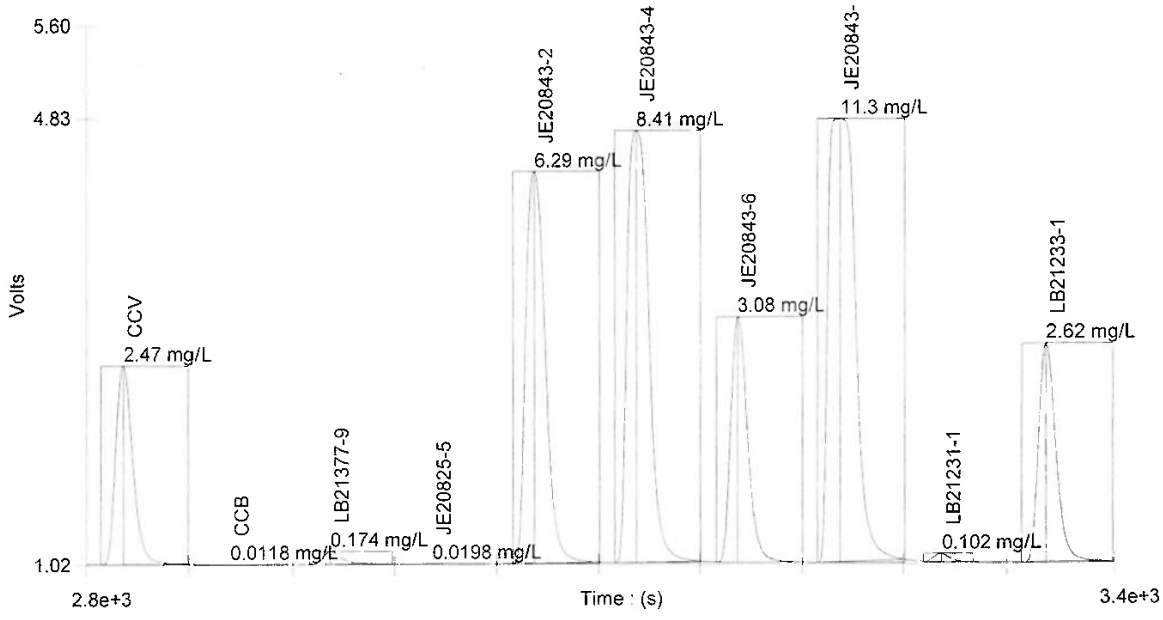


Author: Chemistry Date : 10/27/2025

Channel 2 - Set: 4 / 14

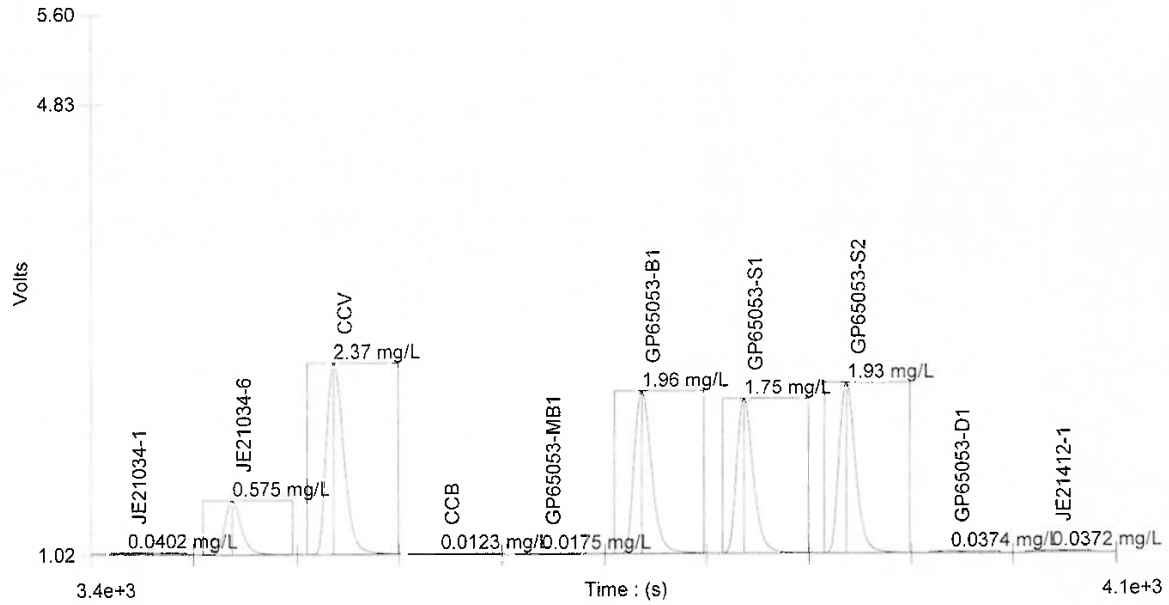


Channel 2 - Set: 5 / 14

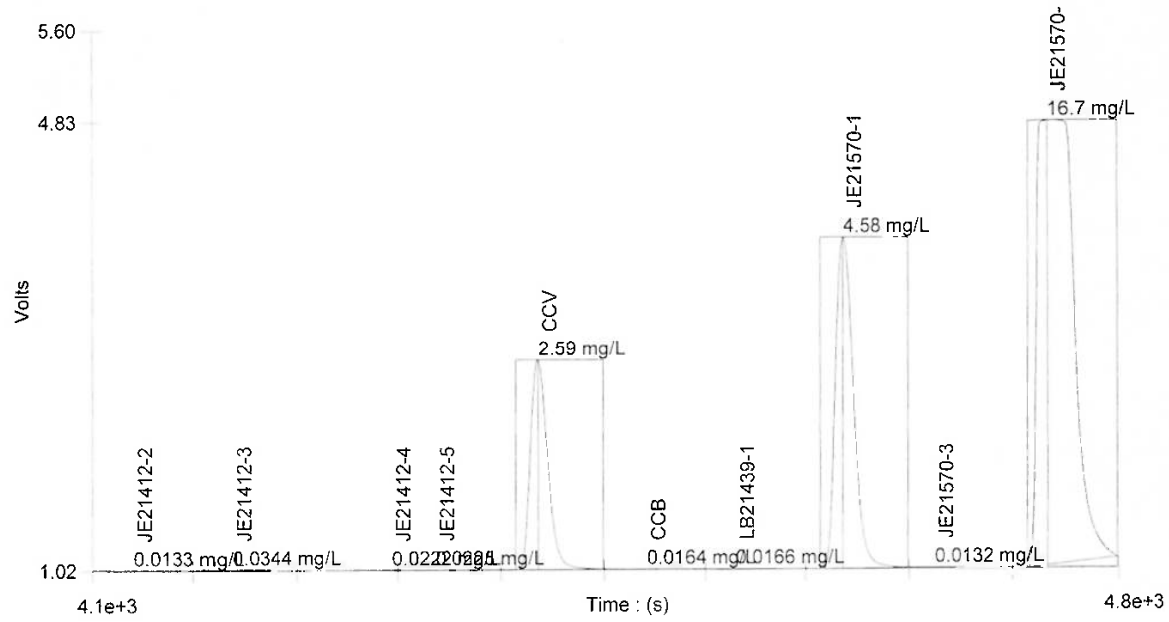


Author: Chemistry Date : 10/27/2025

Channel 2 - Set: 6 / 14



Channel 2 - Set: 7 / 14

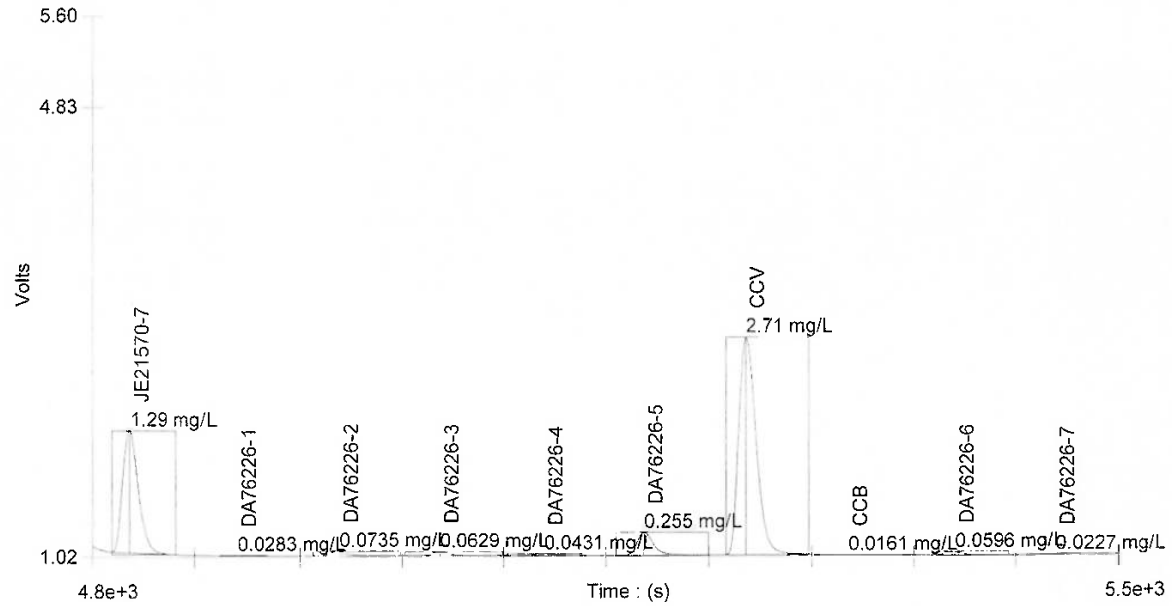


17.7

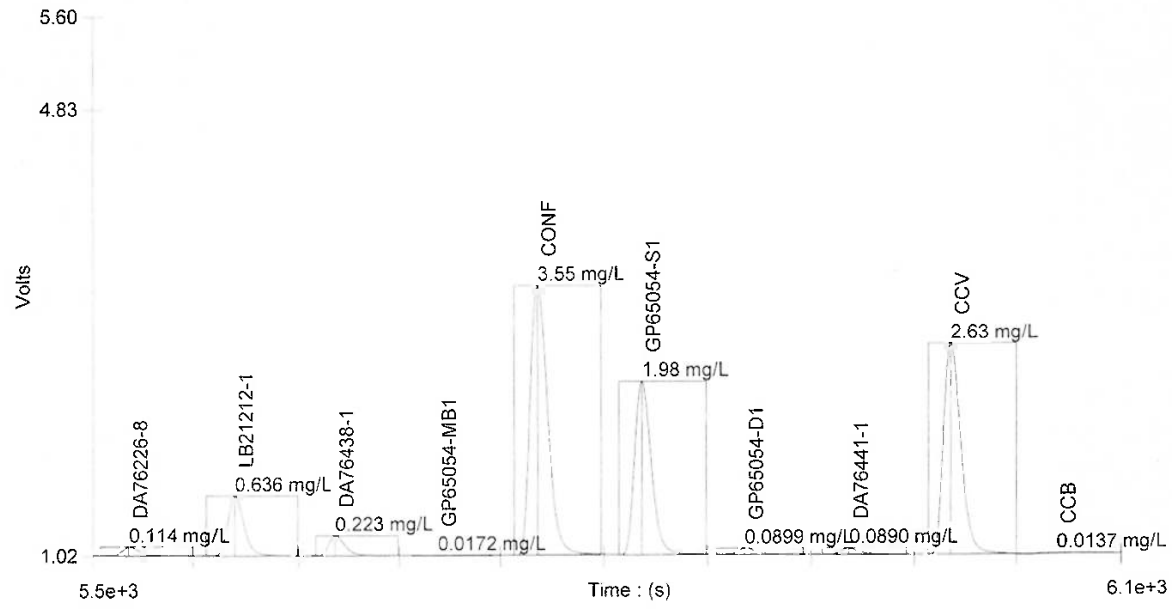
17

Author: Chemistry Date : 10/27/2025

Channel 2 - Set: 8 / 14



Channel 2 - Set: 9 / 14

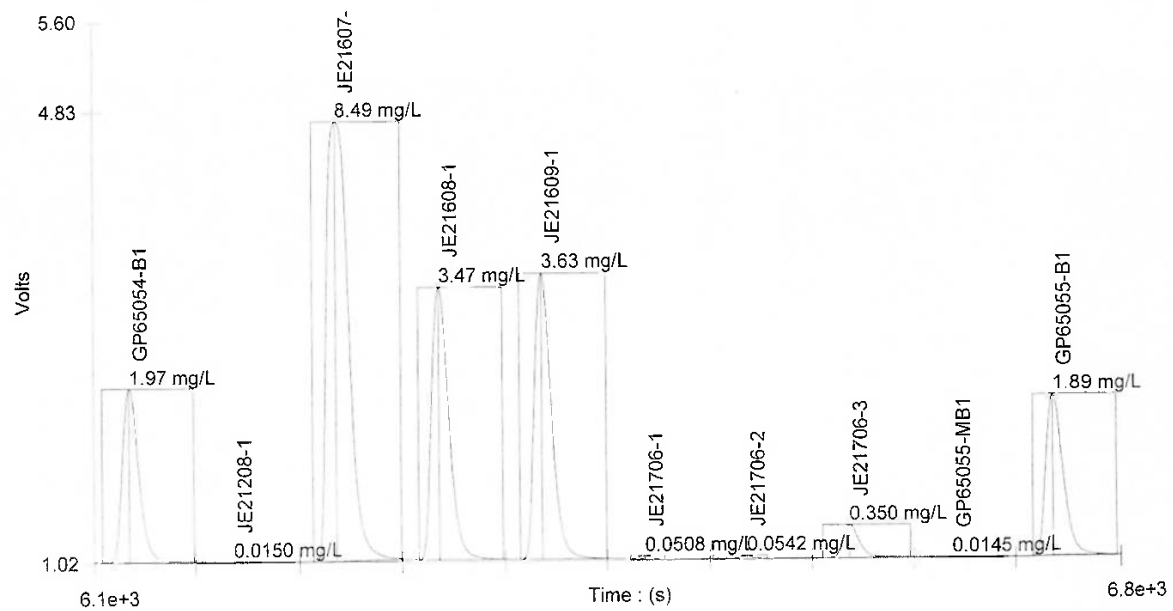


17.7

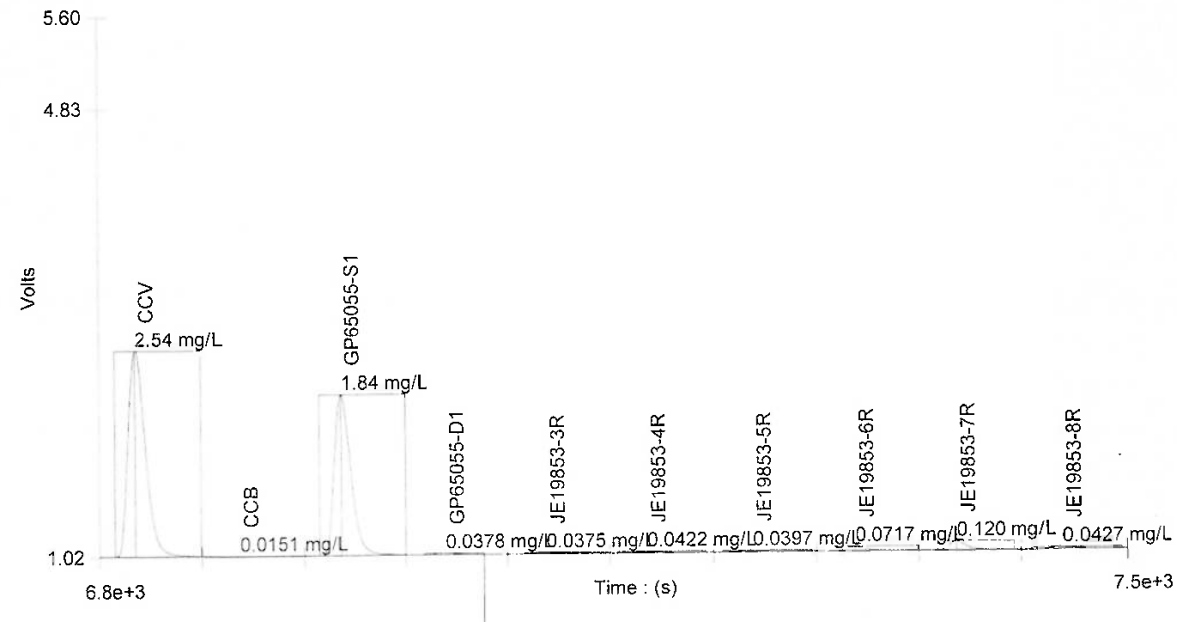
Author: Chemistry

Date : 10/27/2025

Channel 2 - Set: 10 / 14



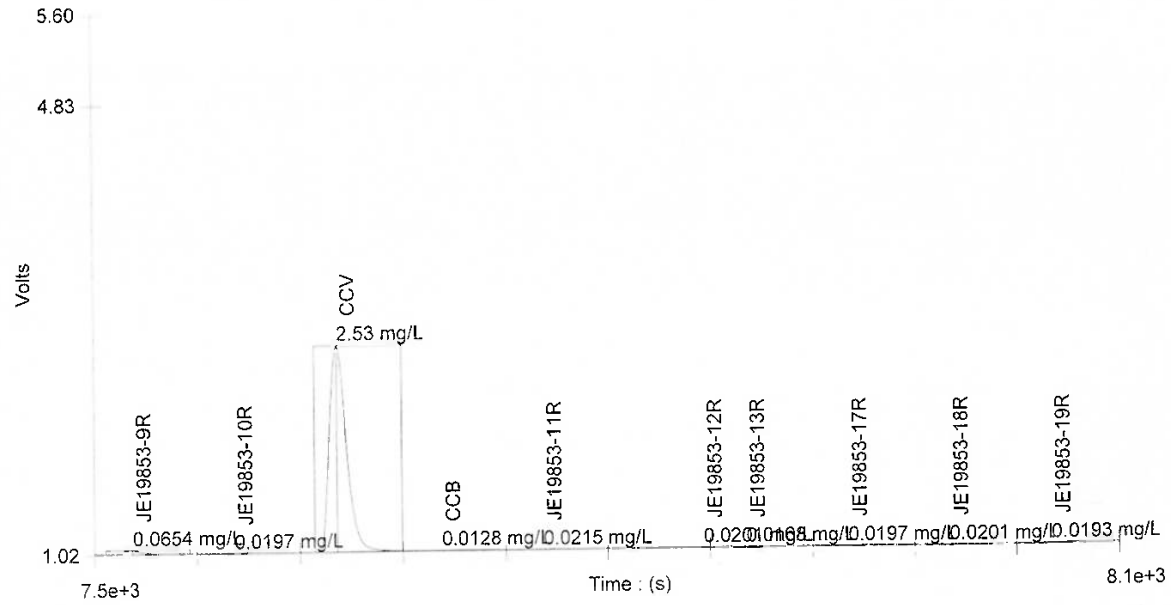
Channel 2 - Set: 11 / 14



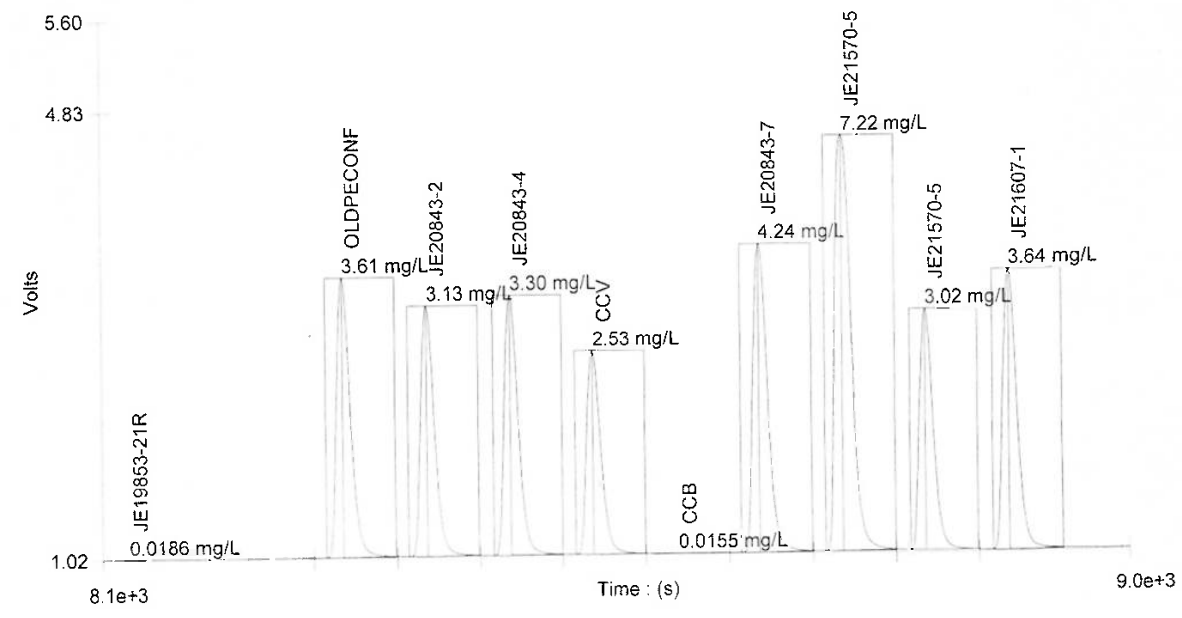
Author: Chemistry

Date : 10/27/2025

Channel 2 - Set: 12 / 14



Channel 2 - Set: 13 / 14



Author: Chemistry

Date : 10/27/2025

Channel 2 - Set: 14 / 14

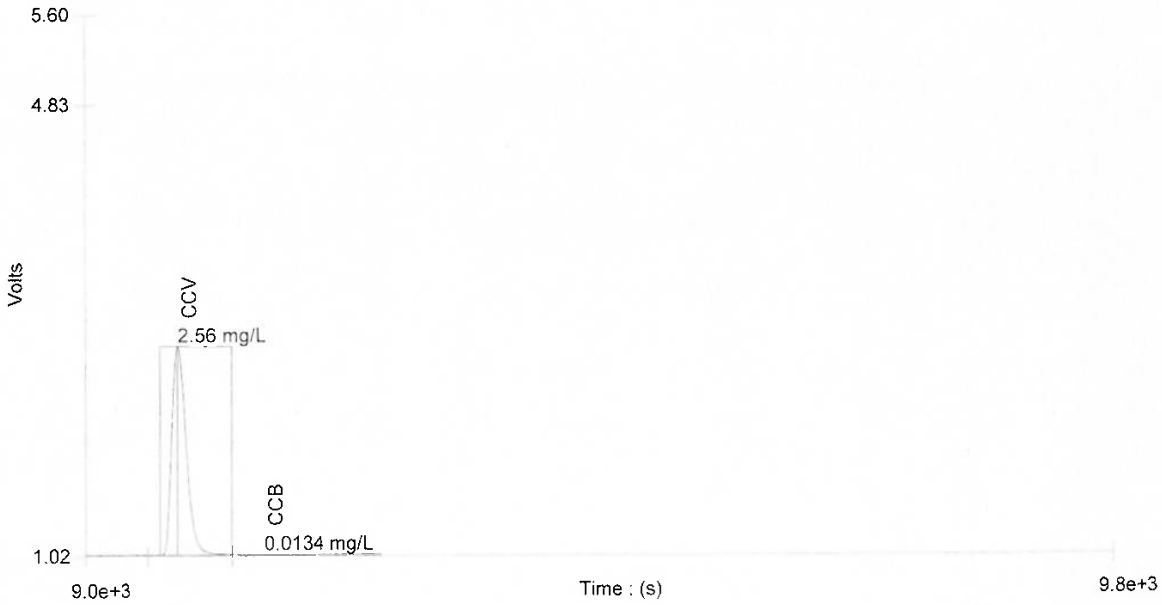
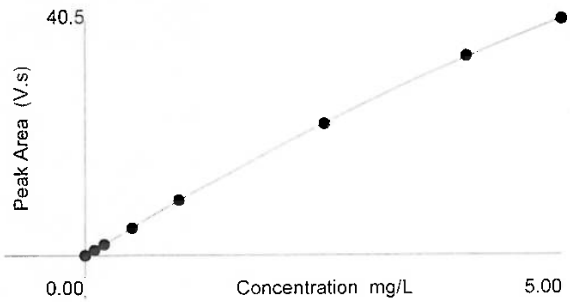


Table : 1 (NO32)

	Known Conc. (mg/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg/L)	Detection Date	Detection Time
1	5.00	1	40.5	2.84	0.0	0.3	4.97	10/27/2025	6:52:38 PM
2	4.00	1	34 1	2.49	0.0	-0.6	4.05	10/27/2025	6:53:45 PM
3	2.50	1	22.5	1.69	0.0	0.4	2.50	10/27/2025	6:54:52 PM
4	1.00	1	9.50	0.728	0.0	0.2	0 981	10/27/2025	6:56:00 PM
5	0.500	1	4.67	0.359	0.0	2.4	0.479	10/27/2025	6:57:08 PM
6	0.200	1	1.87	0 152	0 0	-0.9	0.202	10/27/2025	6:58:14 PM
7	0.100	1	0.890	0.0678	0.0	-2.9	0.107	10/27/2025	6:59:21 PM
8	0.00	1	-0.0543	-4.11e-3			0.0178	10/27/2025	7:00:29 PM

Figure : 1 (NO32)



Area = - 0.379 * Conc^2 + 10.0 * Conc - 0.135
Conc = 6.89e-4 * Area^2 + 0.0944 * Area + 0.0230
Correlation Coefficient (r) = 0.99998

Weighting : None

ERA
A Waters Company

JD76649-2PA

JOE/JARED/Sarah/GRACE

Instructions for Catalog # 591
WatR™Supply Inorganics
Revision 010312

Description:
- This standard is packaged in a 500 mL polyethylene bottle containing approximately 500 mL of standard.
- This standard is not preserved.
- The standard can be stored at room temperature.
- The standard contains the analytes listed in the concentration ranges specified on the data reporting form.

Before you begin:
- This standard has been prepared as a whole volume standard and is ready to be analyzed as received.
- This standard contains no acid, so you must follow your normal procedures for checking, and if necessary, adjusting the pH.
- If you are analyzing anions by ion selective electrode methods, please note that this sample may contain high concentrations of inorganic salts.
- Be sure to report your nitrate and nitrate + nitrite results as N (not as NO_3^-).

Instructions:
1. Shake the Inorganics bottle well prior to opening.
2. Remove aliquots for the tests that you are performing and analyze by your normal procedures.
3. Tightly recap the bottle after each use.
4. Report your results as mg/L (µmhos/cm for Conductivity) for the standard provided.

Safety:
ERA products may be hazardous and are intended for use by professional laboratory personnel trained in the competent handling of such materials. Responsibility for the safe use of these products rests entirely with the buyer and/or user. Material Safety Data Sheets (MSDS) for all ERA products are available by calling 1-800-372-0122.

JO76649-2PA

ERA
A Waters Company

WS-351 Data Reporting Form

Lab Name: SGS North America Inc. -

ERA Customer Number: A014357

INSTRUCTIONS:

Please fill in the results, methods references and analysis dates for the analyte(s) you wish to report for the WS-351 study. Questions? See the Data Reporting Instructions section of your Data Package or call ERA at 1-800-372-0122. Please photocopy this form if you are reporting multiple methods.

WatR™ Supply Inorganics (cat# 591)

Please include Rev/Edition below if required by your agency (20th, 21st, etc.)

TNI Code	Analyte	Units	Reported Value	Method Description & Rev/Edition	Analysis Date (mm-dd)
1505	Alkalinity as CaCO3	mg/L			
1575	Chloride	mg/L			
1610	Conductivity at 25°C	µmhos/cm			
1730	Fluoride	mg/L			
1820	Nitrate + Nitrite as N	mg/L			
1810	Nitrate as N	mg/L			
1125	Potassium	mg/L			
2000	Sulfate	mg/L			
1955	Total Dissolved Solids at 180°C	mg/L			

Optional section. Please use to specify Analyst and Work Group.

TNI Code	Analyte	PTRL	Concentration Range	Analyst	Work Group
1505	Alkalinity as CaCO3	22.0	25.0 to 200		
1575	Chloride	17.0	20.0 to 160		
1610	Conductivity at 25°C	117	130 to 1300		
1730	Fluoride	0.900	1.00 to 8.00		
1820	Nitrate + Nitrite as N	2.60	3.00 to 10.0		
1810	Nitrate as N	2.70	3.00 to 10.0		
1125	Potassium	8.50	10.0 to 40.0		
2000	Sulfate	21.0	25.0 to 250		
1955	Total Dissolved Solids at 180°C	80.0	100 to 1000		

All analytes are included in ERA's A2LA accreditation. Lab Code: 1539-01

16341 Table Mountain Pkwy • Golden, CO 80403 • 800.372.0122 • 303.431.8454 • fax 303.421.0159 • www.eraqc.com

17.7

17

SGS

Reagent Information Log - Nitrate Lachat Autoanalyzer

Reagent	Reagent # or Manufacturer/Lot	Expiration Date
Ammonium Chloride Buffer Solution	GNE8-79333-NO32	2/11/2026
Sulfanilamide Color Reagent	GNE8-79286-NO32	10/29/2025
1:1 NH4OH	GNE4-77986-NO3	11/30/2025
Carrier Solution	GNE4-77987-NO32	11/15/2025
Nitrate Stock Solution	GNE4-77989-NO32	10/29/2025
1000 ppm Nitrite Solution	GNE4-77988-NO32	10/29/2025
Nitrate External Stock Solution	GNE4-77990-NO32	10/29/2025
Total Chlorine Test Strips	Lot 022J430-HH	10/29/2025
pH Test Strips	Lot 221523	8/1/2026

Reason codes for data corrections: 1-reviewer error correction: 2-transcription error; 3-computer error; 4-analyst error

17.7

17

Form: GN087A-43
Rev. Date: 7/19/06

SGS

GENERAL CHEMISTRY STANDARD PREPARATION LOG

Product: NO32

GN/GP number: GN75322

Analyst: JD

Date: 10/29/2025

Intermediate Standard Description	Stock used to prepare standard	Stock concentration	Stock volume used in ml	Pipette ID*	Diluent	Final Volume	Final Conc. of Intermediate (mg/l)	Expiration Date	Standard ID
100 ppm NO3 intermediate	GNE4-77989-NO32	1000	10	61	Carrier	100 ml	100	11/27/2025	NO32-100-102725
100 ppm NO2 Intermediate	GNE4-77988-NO32	1000	10	61	Carrier	100 ml	100	11/27/2025	NO2-100-102725
100 ppm NO3 External	GNE4-77990-NO32	1000	10	61	Carrier	100 ml	100	11/27/2025	NO32E-100-102725

Standard Description	Intermediate or Stock used to prepare standard	Intermediate or Stock concentration	Intermediate or Stock volume used in ml		Diluent	Final Volume	Final Conc. of Standard (mg/l)	Expiration Date	
5.0 mg/l NO3	NO32-100-102725	100 mg/l	5.0	61	Carrier	100 ml	5.0	11/10/2025	STDA-102725
4.0 mg/l NO3	NO32-100-102725	100 mg/l	4.0	61	Carrier	100 ml	4.0	11/10/2025	STDB-102725
2.5 mg/l NO3	NO32-100-102725	100 mg/l	2.5	61	Carrier	100 ml	2.5	11/10/2025	STDC-102725
1.0 mg/l NO3	NO32-100-102725	100 mg/l	1.0	61	Carrier	100 ml	1.0	11/10/2025	STDD-102725
0.5 mg/l NO3	NO32-100-102725	100 mg/l	0.5	61	Carrier	100 ml	0.5	11/10/2025	STDE-102725
0.2 mg/l NO3	NO32-100-102725	100 mg/l	0.2	61	Carrier	100 ml	0.2	11/10/2025	STDF-102725
0.1 mg/l NO3	NO32-100-102725	100 mg/l	0.1	61	Carrier	100 ml	0.1	11/10/2025	STDG-102725
Effcheck 2.0	NO2-100-102725	100 mg/l	2.0	61	Carrier	100 ml	2.0	10/29/2025	EFFcheck-102725
ICV	NO32E-100-102725	100 mg/l	2.0	61	Carrier	100 ml	2.0	11/10/2025	ICV-102725

*If Class A glass pipettes are used, enter an A.

Form: GN205-03
Rev. Date:03/22/2022

SGS Dayton **Analyst: JD**

Prep Date: 10/27/2025 **Pipette ID:** 61 and 63

Batch ID: GN75322 **pH paper Lot:** 221523 XP 08/01/2026

Nitrate-Nitrite (NO32) AQUEOUS QC Prep Log / Sample pH Log

Sample ID	Standard Prep	Std Final Volume		SAMPLE pH 5 - 9 (Y / N)	Chlorine Present (Y / N) If Y, add sodium thiosuldate
EDTA BUFFER SOLN.	N/A	N/A		9.1	N
GP65048-MB1				Y	N
GP65048-B1	1.0ML OF 100PPM	100MLS	CARRIER	Y	N
GP65048-S1	0.5ML OF 100PPM	50MLS	JE20825-1	Y	N
GP65048-S2	0.5ML OF 100PPM	50MLS	JE20825-3	Y	N
GP65048-D1				Y	N
JE20825-1				Y	N
JE20825-3				Y	N
LB21377-1				Y	N
LB21377-2				Y	N
LB21377-3				Y	N
LB21377-4				Y	N
LB21377-5				Y	N
LB21377-6				Y	N
LB21377-7				Y	N
LB21377-8				Y	N
LB21377-9				Y	N
JE20825-5				Y	N
JE20843-2				Y	N
JE20843-4				Y	N
JE20843-5				Y	N
JE20843-7				Y	N
LB21231-1				Y	N
LB21233-1				Y	N
JE21034-1				Y	N
JE21034-6				Y	N

Reviewer: _____

Rev date: 03/06/2023 Date: _____

SGS Dayton Analyst: JD

Prep Date: 10/27/2025

Batch ID: GN75322

Pipette ID: 61 and 63

pH paper Lot: 221523 XP 08/01/2026

Nitrate-Nitrite (NO32) AQUEOUS QC Prep Log / Sample pH Log

Sample ID	Standard Prep	Std Final Volume		SAMPLE pH 5 - 9 (Y / N)	Chlorine Present (Y / N) If Y, add sodium thiosuldate
EDTA BUFFER SOLN.	N/A	N/A		9.1	N
GP65053-MB1				Y	N
GP65053-B1	1.0ML OF 100PPM	100MLS	CARRIER	Y	N
GP65053-S1	0.5ML OF 100PPM	50MLS	JE21412-1	Y	N
GP65053-S2	0.5ML OF 100PPM	50MLS	JE21412-2	Y	N
GP65053-D1				Y	N
JE21412-1				Y	N
JE21412-2				Y	N
JE21412-3				Y	N
JE21412-4				Y	N
JE21412-5				Y	N
LB21439-1				Y	N
JE21570-1				Y	N
JE21570-3				Y	N
JE21570-5				Y	N
JE21570-7				Y	N
DA76226-1				Y	N
DA76226-2				Y	N
DA76226-3				Y	N
DA76226-4				Y	N
DA76226-5				Y	N
DA76226-6				Y	N
DA76226-7				Y	N
DA76226-8				Y	N
LB21212-1				Y	N
DA76438-1				Y	N

Reviewer: _____

Rev date: 03/06/2023

Date: _____

SGS Dayton **Analyst: JD**

Prep Date: 10/27/2025

Batch ID: GN75322

Pipette ID: 61 and 63

pH paper Lot: 221523 XP 08/01/2026

Nitrate-Nitrite (NO32) AQUEOUS QC Prep Log / Sample pH Log

Sample ID	Standard Prep	Std Final Volume		SAMPLE pH 5 - 9 (Y / N)	Chlorine Present (Y / N) If Y, add sodium thiosuldate
EDTA BUFFER SOLN.	N/A	N/A		9.1	N
GP65054-MB1				Y	N
GP65054-B1	1.0ML OF 100PPM	100MLS	CARRIER	Y	N
GP65054-S1	0.5ML OF 100PPM	50MLS	DA76441-1	Y	N
GP65054-D1				Y	N
DA76441-1				Y	N
JE21208-1				Y	N
JE21607-1				Y	N
JE21608-1				Y	N
JE21609-1				Y	N
JE21706-1				Y	N
JE21706-2				Y	N
JE21706-3				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N

Reviewer: _____

Rev date: 03/06/2023

Date: _____

SGS Dayton Analyst: JD

Prep Date: 10/27/2025

Batch ID: GN75322

Pipette ID: 61 and 63

pH paper Lot: 221523 XP 08/01/2026

Nitrate-Nitrite (NO32) AQUEOUS QC Prep Log / Sample pH Log

Sample ID	Standard Prep	Std Final Volume		SAMPLE pH 5 - 9 (Y / N)	Chlorine Present (Y / N) If Y, add sodium thiosuldate
EDTA BUFFER SOLN.	N/A	N/A		9.1	N
GP65046-MB1				Y	N
GP65046-B1	1.0ML OF 100PPM	100MLS	CARRIER	Y	N
GP65046-D1				Y	N
JD76649-2P				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N

Reviewer: _____

Date: _____

Rev date: 03/06/2023

SGS Dayton

Analyst: JD

Prep Date: 10/27/2025

Pipette ID: _61 & 63

Batch ID: GP65055

Balance ID:__B-93_____

pH paper lot: 221523 XP 08/01/2026

Nitrate-Nitrite (NO32) SOIL QC Prep Log / Sample pH Log

Sample ID	Standard Prep	Std Final Volume	SAMPLE pH 5 - 9
EDTA BUFFER SOLN.	N/A	N/A	Y
GP65055-MB1	1.00 G	200 ML DI H20	Y
GP65055-B1	1.00 + 4 ML OF 100 PPM NO32 STD	200 ML DI H20	Y
GP65055-S1	1.00+ 4 ML OF 100 PPM NO32 STD	200 ML DI H20	Y
GP65055-D1	1.00 G	200 ML DI H20	Y
JE19853-3R	1.00 G	200 ML DI H20	Y
JE19853-4R	1.00 G	200 ML DI H20	Y
JE19853-5R	1.00 G	200 ML DI H20	Y
JE19853-6R	1.00 G	200 ML DI H20	Y
JE19853-7R	1.00 G	200 ML DI H20	Y
JE19853-8R	1.00 G	200 ML DI H20	Y
JE19853-9R	1.00 G	200 ML DI H20	Y
JE19853-10R	1.00 G	200 ML DI H20	Y
JE19853-11R	1.00 G	200 ML DI H20	Y
JE19853-12R	1.00 G	200 ML DI H20	Y
JE19853-13R	1.00 G	200 ML DI H20	Y
JE19853-17R	1.00 G	200 ML DI H20	Y
JE19853-18R	1.00 G	200 ML DI H20	Y
JE19853-19R	1.00 G	200 ML DI H20	Y
JE19853-21R	1.00 G	200 ML DI H20	Y

Form GN319A-04 Soil

Rev date: 03/06/2023

Reviewer: _____

Date: _____

17.7

17

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Arcadis

Saratoga Springs, NY

30003945

SGS Job Number: JE21194

Sampling Date: 10/14/25

Report to:

Arcadis U.S.
1 Lincoln Center,110 West Fayette Street Suite 300
Syracuse, NY 13202
matt.hysell@arcadis.com

ATTN: Matt Hysell

Total number of pages in report: **1613**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

Olga Azarian
Technical Director

Client Service contact: Tammy McCloskey 732-329-0200
Certifications: NJ(12129),NY(10983),CA,CO,CT,FL,HI,IL,IN,KY,LA (120428),MA,MD,ME,MN,NC,NH,NV, AK (UST-103),AZ (AZ0786),PA(68-00408),RI,SC,TX (T104704234),UT,VA,WA,WV

This report shall not be reproduced, except in its entirety, without the written approval of SGS.
Test results relate only to samples analyzed.

How did we do today?
Your feedback helps us improve our service and takes less than a minute to complete.
START SURVEY

SGS is the sole authority for authorizing edits or modifications to this document.
Unauthorized modification of this report is strictly prohibited.
Review standard terms at: http://www.sgs.com/en/terms-and-conditions

Please share your ideas about how we can serve you better at:
EHS.US.CustomerCare@sgs.com

Sections:

Table of Contents

Section 1: Sample Summary **5**
Section 2: Case Narrative/Conformance Summary **6**
Section 3: Summary of Hits **9**
Section 4: Sample Results **10**
4.1: JE21194-1: MW-EPA-10 10142025 11
4.2: JE21194-1A: MW-EPA-10 10142025 16
4.3: JE21194-2: TRIP BLANK 17
Section 5: Misc. Forms **18**
5.1: Chain of Custody 19
5.2: Sample Tracking Chronicle 21
5.3: Internal Chain of Custody 22
Section 6: MS Volatiles - QC Data Summaries **24**
6.1: Method Blank Summary 25
6.2: Blank Spike Summary 26
6.3: Matrix Spike/Matrix Spike Duplicate Summary 27
6.4: Instrument Performance Checks (BFB) 28
6.5: Internal Standard Area Summaries 29
6.6: Surrogate Recovery Summaries 30
6.7: Initial and Continuing Calibration Summaries 31
6.8: Run Sequence Reports 45
Section 7: MS Volatiles - Raw Data **47**
7.1: Samples 48
7.2: Method Blanks 50
7.3: Blank Spikes 52
7.4: Matrix Spike/Matrix Spike Duplicates 113
7.5: Instrument Performance Checks (BFB) 235
7.6: Initial and Continuing Calibrations 237
7.7: Instrument Run Logs 896
Section 8: GC Volatiles - QC Data Summaries **898**
8.1: Method Blank Summary 899
8.2: Blank Spike Summary 902
8.3: Laboratory Control Sample Summary 903
8.4: Matrix Spike Summary 904
8.5: Duplicate Summary 905
8.6: Surrogate Recovery Summaries 907
8.7: GC Surrogate Retention Time Summaries 908
8.8: Initial and Continuing Calibration Summaries 911
8.9: Run Sequence Reports 922
Section 9: GC Volatiles - Raw Data **927**
9.1: Samples 928
9.2: Method Blanks 941
9.3: Blank Spikes 953

Table of Contents

9.4: Laboratory Control Samples 956
9.5: Matrix Spikes 959
9.6: Duplicates 962
9.7: Retention Time Markers 972
9.8: Initial and Continuing Calibrations 978
9.9: Instrument Run Logs 1041
Section 10: GC/LC Semi-volatiles - QC Data Summaries 1046
10.1: Method Blank Summary 1047
10.2: Blank Spike/Blank Spike Duplicate Summary 1049
10.3: Surrogate Recovery Summaries 1051
10.4: GC Surrogate Retention Time Summaries 1052
10.5: Initial and Continuing Calibration Summaries 1055
10.6: Run Sequence Reports 1061
Section 11: GC/LC Semi-volatiles - Raw Data 1063
11.1: Samples 1064
11.2: Method Blanks 1078
11.3: Blank Spike/Blank Spike Duplicates 1087
11.4: Initial and Continuing Calibrations 1119
11.5: Instrument Run Logs 1197
11.6: Sample Prep Logs 1200
Section 12: Metals Analysis - QC Data Summaries 1201
12.1: Inst QC MA59580: Fe,Mn 1202
12.2: Inst QC MA59582: Fe,Mn 1233
12.3: Prep QC MP58034: Fe,Mn 1277
12.4: IDL and Linear Range Summaries 1287
Section 13: Metals Analysis - Raw Data 1291
13.1: Raw Data MA59580 1292
13.2: Raw Data MA59582 1331
13.3: Sample Prep Logs 1388
Section 14: General Chemistry - QC Data Summaries 1390
14.1: Method Blank and Spike Results Summary 1391
14.2: Duplicate Results Summary 1392
14.3: Matrix Spike Results Summary 1393
14.4: Matrix Spike Duplicate Results Summary 1394
14.5: Inst QC GN74989: Total Organic Carbon 1395
14.6: Inst QC GN75181: Sulfate 1398
14.7: Inst QC GN75642: Nitrogen, Nitrate + Nitrite 1403
Section 15: General Chemistry - Raw Data 1411
15.1: Raw Data GN74766: Nitrogen, Nitrite 1412
15.2: Raw Data GN74860: Alkalinity, Total as CaCO3 1418
15.3: Raw Data GN74863: Sulfide 1424
15.4: Raw Data GN74989: Total Organic Carbon 1426

Sections:

Table of Contents

15.5: Raw Data GN75181: Sulfate 1468
15.6: Raw Data GN75642: Nitrogen, Nitrate + Nitrite 1584

SGS North America Inc.

Sample Summary

Arcadis

Job No: JE21194

Saratoga Springs, NY
Project No: 30003945

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
This report contains results reported as ND = Not detected. The following applies:							
Organics ND = Not detected above the MDL							
JE21194-1	10/14/25	10:00	KK	10/15/25	AQ	Ground Water	MW-EPA-10 10142025
JE21194-1A	10/14/25	10:00	KK	10/15/25	AQ	Ground Water	MW-EPA-10 10142025
JE21194-2	10/14/25	10:00	KK	10/15/25	AQ	Trip Blank Water	TRIP BLANK

CASE NARRATIVE / CONFORMANCE SUMMARY

Client: Arcadis **Job No:** JE21194

Site: Saratoga Springs, NY **Report Date** 11/5/2025 11:36:56 A

On 10/15/2025, 1 sample(s), 1 Trip Blank(s), 0 Equip. Blank(s) and 0 Field Blank(s) were received at SGS North America Inc. (SGS) at a temperature of 1.8 °C. The samples were intact and properly preserved, unless noted below. An SGS Job Number of JE21194 was assigned to the project. The lab sample ID, client sample ID, and date of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

MS Volatiles By Method SW846 8260D

Matrix: AQ **Batch ID:** VL11481

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE21509-2MS, JE21509-2MSD were used as the QC samples indicated.

GC Volatiles By Method RSK-175

Matrix: AQ **Batch ID:** GAA3397

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE21351-18DUP were used as the QC samples indicated.
- The duplicate RPD(s) for Methane are outside control limits for sample JE21351-18DUP. Outside control limits

GC Volatiles By Method SW846 8015D

Matrix: AQ **Batch ID:** GKM595

- All samples were analyzed within the recommended method holding time.
- Sample(s) JE21115-1MS, JE21194-1DUP were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

GC/LC Semi-volatiles By Method SW846 8015D

Matrix: AQ **Batch ID:** OP68257

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.

Metals Analysis By Method SW846 6010D

Matrix: AQ **Batch ID:** MP58034

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE21222-1MS, JE21222-1MSD, JE21222-1SDL were used as the QC samples for the metals analysis.

General Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** GP64981

- All samples were prepared within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE21662-1MS, JE21662-1MSD were used as the QC samples for the Sulfate analysis.

General Chemistry By Method EPA 353.2/LACHAT

Matrix: AQ **Batch ID:** GP65185

- All samples were prepared within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE21711-1DUP, JE21711-1MS were used as the QC samples for the Nitrogen, Nitrate + Nitrite analysis.

General Chemistry By Method EPA353.2/SM4500NO2B

Matrix: AQ **Batch ID:** R220280

- The data for EPA353.2/SM4500NO2B meets quality control requirements.
- JE21194-1 for Nitrogen, Nitrate: Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

General Chemistry By Method SM2320 B-11/21

Matrix: AQ **Batch ID:** GN74860

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE21190-1DUP were used as the QC samples for the Alkalinity, Total as CaCO3 analysis.
- JE21194-1 for Alkalinity, Total as CaCO3: Sample was titrated to a final pH of 4.5.

General Chemistry By Method SM4500NO2 B-11/21

Matrix: AQ **Batch ID:** GN74766

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE21110-4MS, JE21110-4MSD were used as the QC samples for the Nitrogen, Nitrite analysis.

General Chemistry By Method SM4500S2- F-11/21

Matrix: AQ **Batch ID:** GN74863

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE21034-1MS, JE21034-6DUP were used as the QC samples for the Sulfide analysis.

General Chemistry By Method SM5310 B-11/14

Matrix: AQ **Batch ID:** GP64811

- All samples were prepared within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE21106-1MSD, JE21106-1MS were used as the QC samples for the Total Organic Carbon analysis.
- The matrix spike (MS) recovery(s) of Total Organic Carbon are outside control limits. Spike recovery indicates possible matrix interference.

SGS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting SGS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by SGS indicated via signature on the report cover.

Summary of Hits

Job Number: JE21194
Account: Arcadis
Project: Saratoga Springs, NY
Collected: 10/14/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JE21194-1	**MW-EPA-10 10142025**					
Methane		3410	5.5	4.0	ug/l	RSK-175
TPH-DRO (C10-C28)		1.25	0.085	0.041	mg/l	SW846 8015D
Iron		45600	100		ug/l	SW846 6010D
Manganese		2220	15		ug/l	SW846 6010D
Alkalinity, Total as CaCO3 [a]		597	5.0		mg/l	SM2320 B-11/21
Total Organic Carbon		15.7	1.0		mg/l	SM5310 B-11/14
JE21194-1A	**MW-EPA-10 10142025**					
TPH-DRO (C10-C28)		1.20	0.084	0.040	mg/l	SW846 8015D
JE21194-2	**TRIP BLANK**					

No hits reported in this sample.

(a) Sample was titrated to a final pH of 4.5.

Sample Results

Report of Analysis

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-EPA-10 10142025		
Lab Sample ID:	JE21194-1	**Date Sampled:**	10/14/25
Matrix:	AQ - Ground Water	**Date Received:**	10/15/25
Method:	SW846 8015D	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KM14189.D	1	10/16/25 15:07	JN	n/a	n/a	GKM595
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.11	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	88%		63-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-EPA-10 10142025		
Lab Sample ID:	JE21194-1	**Date Sampled:**	10/14/25
Matrix:	AQ - Ground Water	**Date Received:**	10/15/25
Method:	RSK-175	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA118314.D	50	10/28/25 11:38	WC	n/a	n/a	GAA3397
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	3410	5.5	4.0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-EPA-10 10142025		
Lab Sample ID:	JE21194-1	**Date Sampled:**	10/14/25
Matrix:	AQ - Ground Water	**Date Received:**	10/15/25
Method:	SW846 8015D SW846 3511	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Y97111.D	1	10/19/25 00:32	RK	10/17/25 15:00	OP68257	G3Y3747
Run #2							

	Initial Volume	Final Volume
Run #1	47.2 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	1.25	0.085	0.041	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	114%		70-130%
438-22-2	5a-Androstane	95%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-EPA-10 10142025
Lab Sample ID: JE21194-1
Matrix: AQ - Ground Water
Project: Saratoga Springs, NY

Date Sampled: 10/14/25
Date Received: 10/15/25
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	45600	100	ug/l	1	10/17/25	10/20/25	MM	SW846 6010D [1]	SW846 3010A [2]
Manganese	2220	15	ug/l	1	10/17/25	10/20/25	MM	SW846 6010D [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA59582
(2) Prep QC Batch: MP58034

RL = Reporting Limit

Report of Analysis

Client Sample ID: MW-EPA-10 10142025
Lab Sample ID: JE21194-1
Matrix: AQ - Ground Water
Project: Saratoga Springs, NY

Date Sampled: 10/14/25
Date Received: 10/15/25
Percent Solids: n/a

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3 [a]	597	5.0	mg/l	1	10/17/25 11:37	GT	SM2320 B-11/21
Nitrogen, Nitrate [b]	< 0.11	0.11	mg/l	1	11/03/25 19:21	JD	EPA353.2/SM4500NO2B
Nitrogen, Nitrate + Nitrite	< 0.10	0.10	mg/l	1	11/03/25 19:21	JD	EPA 353.2/LACHAT
Nitrogen, Nitrite	< 0.010	0.010	mg/l	1	10/15/25 18:32	GT	SM4500NO2 B-11/21
Sulfate	< 2.0	2.0	mg/l	1	10/23/25 18:48	SS	EPA 300/SW846 9056A
Sulfide	< 2.0	2.0	mg/l	1	10/16/25 14:04	GT	SM4500S2- F-11/21
Total Organic Carbon	15.7	1.0	mg/l	1	10/18/25 02:27	MB	SM5310 B-11/14

(a) Sample was titrated to a final pH of 4.5.
(b) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-EPA-10 10142025		
Lab Sample ID:	JE21194-1A	**Date Sampled:**	10/14/25
Matrix:	AQ - Ground Water	**Date Received:**	10/15/25
Method:	SW846 8015D SW846 3511	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Y97120.D	1	10/19/25 03:29	RK	10/17/25 15:00	OP68257	G3Y3747
Run #2							

	Initial Volume	Final Volume
Run #1	47.6 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	1.20	0.084	0.040	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	116%		70-130%
438-22-2	5a-Androstane	93%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	JE21194-2	**Date Sampled:**	10/14/25
Matrix:	AQ - Trip Blank Water	**Date Received:**	10/15/25
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L374054.D	1	10/24/25 19:11	BK	n/a	n/a	VL11481
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.50	0.43	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		80-120%
17060-07-0	1,2-Dichloroethane-D4	100%		80-120%
2037-26-5	Toluene-D8	101%		80-120%
460-00-4	4-Bromofluorobenzene	96%		82-114%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

SGS

WW
TB

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200
www.sgs.com/ehsusa

Page 1 of 1

E

FED-EX Tracking # 077223982021
Bottle Order Control # 430255169
SGS Quote #
SGS Job # JE21194

Client / Reporting Information	Project Information	Analysis Requested	Matrix Codes
Company Name: Arcadis	Project Name: NG Saratoga		
Street Address: 646 Plank Rd Suite 100	Street	Billing Information (if different from Report to)	
City State Zip: Clifton Park NY 12046	City State	Company Name:	
Project Contact E-mail: Matt Hysell Matt.Hysell@arcadis.com	Project # 30003945	Street Address	
Phone #: 315-671-9189	Client Purchase Order #	City State Zip	
Sampler(s) Name(s) Phone #: KK	Project Manager: Matt Hysell	Attention:	

Analysis Requested: Iron and Manganese; Sulfate; Sulfide; TPH DRO; SGC TPH DRO; TPH GRO; Alkalinity; Nitrate; TOC; Methane; BTEX

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED - Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB-Equipment Blank; RB - Rinse Blank; TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection: Date	Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	Number of Bottles: # of bottles	HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	pH Check (Lab Use Only)	LAB USE ONLY
1	MW-EPA-10 10142025		10/14/25	10:00	KK	G		W	18									X X X X X X X X X X	A8
2	Trip Blank		10/14/25	—	KK	G		W	2									X	G7
																			V742

Turn Around Time (Business Days)

Approved By (SGS PM) / Date:

- 10 Business Days
- 5 Business Days
- 3 Business Days*
- 2 Business Days*
- 1 Business Day*
- Other

All data available via SGS Engage

* Approval needed for 1-3 BD TAT

Deliverable

- Commercial "A" (Level 1)
- Commercial "B" (Level 2)
- NJ Reduced (Level 3)
- Full Tier I (Level 4)
- Commercial "C"
- NJ DKQP
- NJGW Criteria 2025 "new"
- NYASP Category A
- NYASP Category B
- MA MCP Criteria
- CT RCP Criteria
- State Forms
- EDD Format

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Lab to run both SGC TPH DRO and TPH DRO

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished By: 1	Date / Time: 10/14/25 1330	Received By: 1 FEDEX	Relinquished By: 2 FEDEX	Date / Time: 10/15 10:30	Received By: 2
Relinquished By: 3	Date / Time:	Received By: 3	Relinquished By: 4	Date / Time:	Received By: 4
Relinquished By: 5	Date / Time:	Received By: 5	Custody Seal # ☐ Intact ☐ Not intact ☐ Absent	Therm ID: See Sample Receipt Summary	On Ice ☑ Cooler Temp. °C 1.7

Ref No: G140222989

JE21194: Chain of Custody
Page 1 of 2

SGS Sample Receipt Summary

Job Number: JE21194 **Client:** ARCADIS U.S. **Project:** SARATOGA SPRINGS, NY

Date / Time Received: 10/15/2025 10:00:00 AM **Delivery Method:** FED EX **Airbill #'s:** 4392 3981 0021

Cooler Temps (Raw Measured) °C: Cooler 1: (1.7);

Cooler Temps (Corrected) °C: Cooler 1: (1.8);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR-50		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservatio	Y	or	N	N/A
1. Trip Blank present / cooler:	☑		☐	☐
2. Trip Blank listed on COC:	☑		☐	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

Internal Sample Tracking Chronicle

Arcadis

Job No: JE21194

Saratoga Springs, NY
Project No: 30003945

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JE21194-1	Collected: 14-OCT-25 10:00 By: KK		Received: 15-OCT-25 By: JK			
MW-EPA-10 10142025						
JE21194-1	SM4500NO2 B-11/21	15-OCT-25 18:32	GT			NO2
JE21194-1	SM4500S2- F-11/21	16-OCT-25 14:04	GT			S
JE21194-1	SW846 8015D	16-OCT-25 15:07	JN			V8015GRO
JE21194-1	SM2320 B-11/21	17-OCT-25 11:37	GT			ALK
JE21194-1	SM5310 B-11/14	18-OCT-25 02:27	MB	16-OCT-25	MB	TOC
JE21194-1	SW846 8015D	19-OCT-25 00:32	RK	17-OCT-25	BA	BLV8015DRO
JE21194-1	SW846 6010D	20-OCT-25 17:19	MM	17-OCT-25	BP	FE,MN
JE21194-1	EPA 300/SW846 9056A	23-OCT-25 18:48	SS	23-OCT-25	SS	SO4
JE21194-1	RSK-175	28-OCT-25 11:38	WC			VRSK175CH4
JE21194-1	EPA353.2/SM4500NO2B	03-NOV-25 19:21	JD			NO3O
JE21194-1	EPA 353.2/LACHAT	03-NOV-25 19:21	JD	31-OCT-25	JD	NO32
JE21194-2	Collected: 14-OCT-25 10:00 By: KK		Received: 15-OCT-25 By: JK			
TRIP BLANK						
JE21194-2	SW846 8260D	24-OCT-25 19:11	BK			V8260BTX
JE21194-1A	Collected: 14-OCT-25 10:00 By: KK		Received: 15-OCT-25 By: JK			
MW-EPA-10 10142025						
JE21194-1A	SW846 8015D	19-OCT-25 03:29	RK	17-OCT-25	BA	BLV8015DRO

SGS Internal Chain of Custody

Job Number: JE21194
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY
Received: 10/15/25

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE21194-1.1	Jabaery Ellis	Secured Storage	10/15/25 19:22	Return to Storage
JE21194-1.1	Secured Storage	Dave Hunkele	10/17/25 10:35	Retrieve from Storage
JE21194-1.1	Dave Hunkele	Secured Staging Area	10/17/25 10:35	Return to Storage
JE21194-1.1	Secured Staging Area	Brianna Perez	10/17/25 10:42	Retrieve from Storage
JE21194-1.1	Brianna Perez	Secured Storage	10/17/25 17:44	Return to Storage
JE21194-1.2	Jabaery Ellis	Secured Storage	10/15/25 19:22	Return to Storage
JE21194-1.2	Secured Storage	Todd Shoemaker	10/16/25 10:16	Retrieve from Storage
JE21194-1.2	Todd Shoemaker	Secured Staging Area	10/16/25 10:17	Return to Storage
JE21194-1.2	Secured Staging Area	Grace Tambaro	10/16/25 10:44	Retrieve from Storage
JE21194-1.2	Grace Tambaro		10/16/25 17:31	Depleted
JE21194-1.3	Jabaery Ellis	Secured Storage	10/15/25 19:22	Return to Storage
JE21194-1.3	Secured Storage	Todd Shoemaker	10/16/25 10:16	Retrieve from Storage
JE21194-1.3	Todd Shoemaker	Secured Staging Area	10/16/25 10:17	Return to Storage
JE21194-1.3	Secured Staging Area	Grace Tambaro	10/16/25 10:44	Retrieve from Storage
JE21194-1.3	Grace Tambaro	Secured Storage	10/16/25 17:33	Return to Storage
JE21194-1.4	Jabaery Ellis	Secured Storage	10/15/25 19:22	Return to Storage
JE21194-1.4	Secured Storage	Todd Shoemaker	10/30/25 15:37	Retrieve from Storage
JE21194-1.4	Todd Shoemaker	Secured Staging Area	10/30/25 15:37	Return to Storage
JE21194-1.4	Secured Staging Area	Joseph Dye	10/30/25 23:51	Retrieve from Storage
JE21194-1.4	Joseph Dye	Secured Storage	10/31/25 21:48	Return to Storage
JE21194-1.5	Jabaery Ellis	Secured Storage	10/15/25 19:22	Return to Storage
JE21194-1.5	Secured Storage	Todd Shoemaker	10/20/25 15:24	Retrieve from Storage
JE21194-1.5	Todd Shoemaker	Secured Staging Area	10/20/25 15:25	Return to Storage
JE21194-1.5	Secured Staging Area	Sarah Sarantopoulos	10/20/25 17:56	Retrieve from Storage
JE21194-1.5	Sarah Sarantopoulos	Secured Storage	10/24/25 10:27	Return to Storage
JE21194-1.6	Jabaery Ellis	Secured Storage	10/15/25 19:22	Return to Storage
JE21194-1.6	Secured Storage	Todd Shoemaker	10/17/25 11:52	Retrieve from Storage
JE21194-1.6	Todd Shoemaker	Secured Staging Area	10/17/25 11:52	Return to Storage
JE21194-1.6	Secured Staging Area	Grace Tambaro	10/17/25 11:58	Retrieve from Storage
JE21194-1.6	Grace Tambaro	Secured Storage	10/17/25 17:04	Return to Storage
JE21194-1.7	Secured Storage	Grace Tambaro	10/16/25 07:02	Retrieve from Storage
JE21194-1.7	Grace Tambaro	Secured Storage	10/16/25 17:33	Return to Storage
JE21194-1.8	Jabaery Ellis	Secured Storage	10/15/25 19:22	Return to Storage
JE21194-1.8	Secured Storage	Melanie Buen	10/16/25 11:59	Retrieve from Storage
JE21194-1.8	Melanie Buen	Secured Storage	10/20/25 11:07	Return to Storage
JE21194-1.9	Jabaery Ellis	Secured Storage	10/15/25 19:22	Return to Storage

SGS Internal Chain of Custody

Job Number: JE21194
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY
Received: 10/15/25

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE21194-1.10	Jabaery Ellis	Secured Storage	10/15/25 19:22	Return to Storage
JE21194-1.10	Secured Storage	Bhavin Amin	10/17/25 14:06	Retrieve from Storage
JE21194-1.10	Bhavin Amin	Secured Storage	10/25/25 10:01	Return to Storage
JE21194-1.10.1	Bhavin Amin	Organics Prep	10/17/25 14:06	Extract from JE21194-1.10
JE21194-1.11	Jabaery Ellis	Secured Storage	10/15/25 19:22	Return to Storage
JE21194-1.11	Secured Storage	Ziyhon Parham	10/16/25 23:37	Retrieve from Storage
JE21194-1.11	Ziyhon Parham	Secured Staging Area	10/16/25 23:37	Return to Storage
JE21194-1.11	Secured Storage	Bhavin Amin	10/17/25 14:06	Retrieve from Storage
Analyst unavailable for custody transfer.				
JE21194-1.11	Bhavin Amin	Secured Storage	10/25/25 10:01	Return to Storage
JE21194-1.11.1	Bhavin Amin	Organics Prep	10/17/25 14:06	Extract from JE21194-1.11
JE21194-1.12	Jabaery Ellis	Secured Storage	10/15/25 19:22	Return to Storage
JE21194-1.13	Jabaery Ellis	Secured Storage	10/15/25 19:22	Return to Storage
JE21194-1.14	Secured Storage	John Nieradka	10/16/25 11:53	Retrieve from Storage
JE21194-1.14	John Nieradka	GCKM	10/16/25 11:53	Load on Instrument
JE21194-1.15	Secured Storage	John Nieradka	10/16/25 11:53	Retrieve from Storage
JE21194-1.15	John Nieradka	GCKM	10/16/25 11:53	Load on Instrument
JE21194-1.16	Secured Storage	William Cruser	10/27/25 06:53	Retrieve from Storage
JE21194-2.1	Secured Storage	Bridget Kelly	10/24/25 16:29	Retrieve from Storage
JE21194-2.1	Bridget Kelly	GCMSL	10/24/25 16:29	Load on Instrument
JE21194-2.1	GCMSL	Bridget Kelly	10/27/25 14:25	Unload from Instrument
JE21194-2.1	Bridget Kelly	Secured Storage	10/27/25 14:25	Return to Storage

MS Volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method Blank Summary

Job Number: JE21194
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL11481-MB	L374039.D	1	10/24/25	BK	n/a	n/a	VL11481

The QC reported here applies to the following samples: **Method:** SW846 8260D

JE21194-2

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.50	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	98%	80-120%
17060-07-0	1,2-Dichloroethane-D4	99%	80-120%
2037-26-5	Toluene-D8	102%	80-120%
460-00-4	4-Bromofluorobenzene	98%	82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

Blank Spike Summary

Job Number: JE21194
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL11481-BS	L374037.D	1	10/24/25	BK	n/a	n/a	VL11481

The QC reported here applies to the following samples: **Method:** SW846 8260D

JE21194-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	50	51.4	103	80-115
100-41-4	Ethylbenzene	50	52.2	104	78-116
108-88-3	Toluene	50	51.8	104	79-116
1330-20-7	Xylene (total)	150	156	104	80-119

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	97%	80-120%
17060-07-0	1,2-Dichloroethane-D4	97%	80-120%
2037-26-5	Toluene-D8	102%	80-120%
460-00-4	4-Bromofluorobenzene	97%	82-114%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JE21194
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE21509-2MS	L374050.D	5	10/24/25	BK	n/a	n/a	VL11481
JE21509-2MSD	L374051.D	5	10/24/25	BK	n/a	n/a	VL11481
JE21509-2	L374056.D	5	10/24/25	BK	n/a	n/a	VL11481

The QC reported here applies to the following samples: **Method:** SW846 8260D

JE21194-2

CAS No.	Compound	JE21509-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		250	250	100	250	250	100	0	49-137/12
100-41-4	Ethylbenzene	ND		250	257	103	250	255	102	1	37-144/12
108-88-3	Toluene	ND		250	249	100	250	250	100	0	46-139/12
1330-20-7	Xylene (total)	ND		750	757	101	750	754	101	0	38-147/12

CAS No.	Surrogate Recoveries	MS	MSD	JE21509-2	Limits
1868-53-7	Dibromofluoromethane	99%	95%	96%	80-120%
17060-07-0	1,2-Dichloroethane-D4	99%	97%	114%	80-120%
2037-26-5	Toluene-D8	101%	101%	101%	80-120%
460-00-4	4-Bromofluorobenzene	98%	99%	118%* [a]	82-114%

(a) Outside of in house control limits, but within reasonable method recovery limits.

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: JE21194
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: VL11472-BFB
Lab File ID: L373782.D
Instrument ID: GCMSL
Injection Date: 10/16/25
Injection Time: 17:06

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	20173	19.6		Pass
75	30.0 - 60.0% of mass 95	49285	47.8		Pass
95	Base peak, 100% relative abundance	103136	100.0		Pass
96	5.0 - 9.0% of mass 95	6587	6.39		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	76611	74.3		Pass
175	5.0 - 9.0% of mass 174	5615	5.44	(7.33) [a]	Pass
176	95.0 - 101.0% of mass 174	74720	72.4	(97.5) [a]	Pass
177	5.0 - 9.0% of mass 176	4838	4.69	(6.47) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VL11472-IC11472	L373783.D	10/16/25	18:00	00:54	Initial cal 0.2
VL11472-IC11472	L373784.D	10/16/25	18:25	01:19	Initial cal 0.5
VL11472-IC11472	L373785.D	10/16/25	18:50	01:44	Initial cal 1
VL11472-IC11472	L373786.D	10/16/25	19:15	02:09	Initial cal 2
VL11472-IC11472	L373787.D	10/16/25	19:41	02:35	Initial cal 4
VL11472-IC11472	L373788.D	10/16/25	20:06	03:00	Initial cal 8
VL11472-IC11472	L373789.D	10/16/25	20:31	03:25	Initial cal 20
VL11472-ICC11472	L373790.D	10/16/25	20:56	03:50	Initial cal 50
VL11472-IC11472	L373791.D	10/16/25	21:22	04:16	Initial cal 100
VL11472-IC11472	L373792.D	10/16/25	21:47	04:41	Initial cal 200
VL11472-ICV11472	L373795.D	10/16/25	23:03	05:57	Initial cal verification 50
VL11472-ICV11472	L373796.D	10/16/25	23:28	06:22	Initial cal verification 50
VL11473-CC11472	L373801.D	10/17/25	14:36	21:30	Continuing cal 20
VL11473-BS	L373802.D	10/17/25	15:20	22:14	Blank Spike
VL11473-MB	L373804.D	10/17/25	16:11	23:05	Method Blank
JE20978-2	L373805.D	10/17/25	16:36	23:30	(used for QC only; not part of job JE21194)
ZZZZZZ	L373806.D	10/17/25	17:01	23:55	(unrelated sample)
JE20978-2MS	L373807.D	10/17/25	17:27	24:21	Matrix Spike
JE20978-2MSD	L373808.D	10/17/25	17:52	24:46	Matrix Spike Duplicate

Internal Standard Area Summary

Job Number: JE21194
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Check Std: VL11481-CC11472 **Injection Date:** 10/24/25
Lab File ID: L374036.D **Injection Time:** 11:26
Instrument ID: GCMSL **Method:** SW846 8260D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	194377	2.60	188727	3.75	309751	4.28	238053	6.61	118968	8.77
Upper Limit [a]	388754	3.10	377454	4.25	619502	4.78	476106	7.11	237936	9.27
Lower Limit [b]	97189	2.10	94364	3.25	154876	3.78	119027	6.11	59484	8.27

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
VL11481-BS	210848	2.60	193360	3.75	327650	4.29	249250	6.61	125457	8.77
VL11481-MB	182692	2.61	180592	3.75	286680	4.29	227404	6.61	111706	8.77
ZZZZZZ	228020	2.61	196720	3.76	336293	4.29	251848	6.61	132030	8.78
ZZZZZZ	193013	2.61	187525	3.75	300353	4.28	238054	6.61	117989	8.77
ZZZZZZ	205918	2.61	185523	3.75	300174	4.28	241599	6.61	118552	8.77
ZZZZZZ	217027	2.61	193172	3.75	316661	4.29	250243	6.61	124124	8.77
ZZZZZZ	191719	2.60	187528	3.75	299460	4.28	234801	6.61	124416	8.77
ZZZZZZ	196406	2.61	188686	3.75	299034	4.28	242602	6.61	120461	8.77
ZZZZZZ	193921	2.61	190337	3.75	300413	4.29	240738	6.61	118061	8.78
ZZZZZZ	174545	2.61	172827	3.75	270493	4.29	217808	6.61	109121	8.77
ZZZZZZ	405834[c]	2.60	201957	3.75	340360	4.29	259282	6.61	130401	8.77
JE21509-2MS	214309	2.61	198295	3.75	341007	4.29	260302	6.61	130187	8.77
JE21509-2MSD	218182	2.61	201209	3.75	334939	4.29	255178	6.61	125505	8.78
ZZZZZZ	188767	2.61	188423	3.76	299036	4.29	237026	6.61	116683	8.77
ZZZZZZ	182539	2.61	182232	3.75	286861	4.29	230460	6.61	113792	8.77
JE21194-2	225599	2.61	184986	3.75	293165	4.28	233774	6.61	115986	8.77
ZZZZZZ	219205	2.61	182541	3.76	287086	4.29	228888	6.61	114118	8.77
JE21509-2	217474	2.61	212278	3.75	325028	4.29	260558	6.61	116031	8.77
ZZZZZZ	187281	2.61	182771	3.75	288540	4.29	233845	6.61	116937	8.77
ZZZZZZ	191601	2.61	178810	3.75	284667	4.29	236105	6.61	118034	8.77
ZZZZZZ	220573	2.61	178675	3.75	284117	4.29	233944	6.61	115669	8.77
ZZZZZZ	190072	2.61	177228	3.75	284042	4.29	230069	6.61	115518	8.77
ZZZZZZ	216856	2.60	178339	3.75	279111	4.29	226803	6.61	120972	8.77
ZZZZZZ	233416	2.61	212664	3.75	353757	4.28	269099	6.61	136029	8.77

IS 1 = Tert Butyl Alcohol-D9
IS 2 = Pentafluorobenzene
IS 3 = 1,4-Difluorobenzene
IS 4 = Chlorobenzene-D5
IS 5 = 1,4-Dichlorobenzene-d4

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Outside control limits due to matrix interference.

Surrogate Recovery Summary

Job Number: JE21194
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Method: SW846 8260D **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
JE21194-2	L374054.D	96	100	101	96
JE21509-2MS	L374050.D	99	99	101	98
JE21509-2MSD	L374051.D	95	97	101	99
VL11481-BS	L374037.D	97	97	102	97
VL11481-MB	L374039.D	98	99	102	98

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	80-120%
S2 = 1,2-Dichloroethane-D4	80-120%
S3 = Toluene-D8	80-120%
S4 = 4-Bromofluorobenzene	82-114%

Initial Calibration Summary

Job Number: JE21194
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: VL11472-ICC11472
Lab FileID: L373790.D

Response Factor Report GCMSL

Method : C:\msdchem\1\methods\ML11472.M (RTE Integrator)
Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
Last Update : Fri Oct 17 13:39:16 2025
Response via : Initial Calibration

Calibration Files
8 =L373788.D 0.5 =L373784.D 4 =L373787.D 50 =L373790.D
100 =L373791.D 1 =L373785.D 200 =L373792.D 20 =L373789.D
2 =L373786.D 0.2 =L373783.D = =

Compound	8	0.5	4	50	100	1	200	20	2	0.2	Avg	%RSD
1) I tert butyl alcohol-d9	ISTD											
2) 1,4-dioxane	0.142	0.158	0.134	0.127		0.124	0.120	0.161			0.138	11.83
3) ethanol *This compound fails initial calibration criteria.*	0.134	0.158	0.107	0.086	0.152		0.106	0.194			0.134	27.67
----- Quadratic regression ----- Coefficient = 0.9935												
Response Ratio = 0.01584 + 0.12139 *A + -0.00178 *A^2												
4) tertiary butyl alcohol	1.592	1.748	1.432	1.408	1.451	1.396	1.306	2.035			1.546	15.52
5) I pentafluorobenzene	ISTD											
6) chlorodifluoromethane	0.776	0.748	0.805	0.738	0.680	0.647	0.659	0.681	0.863		0.733	9.94
7) dichlorodifluoromethane	0.760	0.688	0.672	0.817	0.770	0.615	0.756	0.751	0.836		0.741	9.54
8) chloromethane	0.673	0.854	0.609	0.711	0.692	0.707	0.671	0.673	0.808		0.711	10.55
9) vinyl chloride	0.681	0.750	0.634	0.714	0.700	0.677	0.688	0.692	0.795		0.703	6.56
10) 1,3-butadiene	0.727	0.683	0.707	0.648	0.564	0.597	0.519	0.624	0.789		0.651	13.04
11) bromomethane *This compound fails initial calibration criteria.*	0.157	0.162	0.184	0.182	0.192		0.161	0.187			0.175	8.16
12) chloroethane	0.281	0.317	0.276	0.293	0.278	0.359	0.229	0.281	0.343		0.295	13.25
13) trichlorofluoromethane	0.894	0.856	0.806	0.971	0.951	0.721	0.948	0.886	1.017		0.894	10.19
14) ethyl ether	0.309	0.293	0.319	0.307	0.292	0.256	0.291	0.291	0.323		0.298	6.67
15) acrolein	0.124	0.108	0.133	0.133		0.135	0.127	0.133			0.128	7.50
16) freon 113	0.429	0.405	0.411	0.380	0.252	0.384	0.364	0.390			0.377	14.38
17) 1,1-dichloroethene	0.529	0.416	0.504	0.495	0.473	0.336	0.473	0.461	0.522	0.501	0.471	12.26
18) acetone	0.094	0.106	0.095	0.093	0.091	0.077	0.093	0.086	0.100		0.093	8.83
19) acetonitrile	0.073		0.081	0.072	0.071		0.071	0.068			0.073	5.97
20) iodomethane	0.259		0.214	0.396	0.430		0.485	0.285	0.189		0.323	35.39
----- Quadratic regression ----- Coefficient = 0.9982												
Response Ratio = -0.01019 + 0.35536 *A + 0.03387 *A^2												

21) iso-butyl alcohol
0.067 0.073 0.060 0.061 0.063 0.054 0.063 10.52
22) carbon disulfide
1.590 1.485 1.616 1.489 1.405 1.317 1.408 1.384 1.640 1.481 7.65
23) methylene chloride
0.610 0.642 0.642 0.572 0.545 0.509 0.546 0.538 0.629 0.581 8.66
24) methyl acetate
0.143 0.144 0.152 0.150 0.150 0.134 0.152 0.146 4.56
25) methyl tert butyl ether
1.681 1.263 1.612 1.700 1.671 1.275 1.667 1.530 1.625 1.558 11.01
26) trans-1,2-dichloroethene
0.588 0.484 0.577 0.557 0.536 0.470 0.539 0.511 0.557 0.536 0.536 7.05
27) hexane
0.709 0.621 0.693 0.745 0.690 0.443 0.729 0.648 0.675 0.662 13.64
28) di-isopropyl ether
1.700 1.445 1.723 1.745 1.737 1.412 1.748 1.543 1.626 1.631 8.15
29) ethyl tert-butyl ether
1.759 1.537 1.741 1.820 1.805 1.357 1.817 1.627 1.615 1.675 9.33
30) 2-butanone
0.121 0.094 0.124 0.129 0.127 0.090 0.128 0.115 0.121 0.117 12.52
31) 1,1-dichloroethane
1.073 0.938 1.107 1.039 1.017 0.865 1.020 0.961 1.085 1.012 7.71
32) chloroprene
0.942 0.881 0.947 0.930 0.623 0.949 0.847 0.845 0.870 12.52
33) acrylonitrile
0.263 0.241 0.296 0.288 0.290 0.292 0.274 0.290 0.279 6.80
34) vinyl acetate
0.135 0.125 0.143 0.138 0.136 0.133 0.115 0.132 7.06
35) ethyl acetate
0.127 0.144 0.156 0.151 0.151 0.124 0.156 0.144 9.37
36) 2,2-dichloropropane
0.960 0.902 0.967 0.918 0.900 0.782 0.911 0.848 1.015 0.911 7.49
37) cis-1,2-dichloroethene
0.629 0.528 0.653 0.606 0.580 0.524 0.578 0.558 0.639 0.588 7.96
38) propionitrile
0.159 0.164 0.167 0.161 0.157 0.140 0.157 0.146 0.178 0.159 7.12
39) methyl acrylate
0.119 0.122 0.138 0.136 0.137 0.120 0.098 0.124 11.45
40) bromochloromethane
0.289 0.198 0.301 0.262 0.246 0.247 0.240 0.252 0.296 0.259 12.54
41) tetrahydrofuran
0.152 0.132 0.152 0.146 0.149 0.135 0.152 0.145 5.77
42) chloroform
1.146 1.201 1.065 1.030 1.214 1.039 0.987 1.299 1.123 9.73
43) dibromofluoromethane (s)
0.526 0.518 0.516 0.523 0.514 0.525 0.517 0.529 0.527 0.524 0.522 1.00
44) methacrylonitrile
0.342 0.333 0.354 0.349 0.355 0.317 0.320 0.339 4.60
45) 1,1,1-trichloroethane
0.954 0.916 0.973 0.936 0.898 0.662 0.911 0.841 0.909 0.889 10.46
46) cyclohexane
0.769 0.616 0.799 0.779 0.561 0.783 0.715 0.888 0.739 14.27
47) 1,1-dichloropropene
0.785 0.622 0.750 0.806 0.780 0.549 0.787 0.708 0.700 0.721 12.02
48) carbon tetrachloride
0.782 0.752 0.776 0.753 0.535 0.771 0.679 0.748 0.725 11.45
49) isopropyl acetate
0.164 0.150 0.173 0.168 0.171 0.151 0.149 0.161 6.40
50) tert amyl alcohol

Initial Calibration Summary

Job Number: JE21194
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: VL11472-ICC11472
Lab FileID: L373790.D

```
      0.061       0.066 0.057 0.056 0.066 0.056 0.054 0.088        0.063   17.38

51) I   1,4-difluorobenzene   ----------------ISTD---------------------
52)  1,2-dichloroethane-d4 (s)
      0.361 0.367 0.357 0.353 0.356 0.367 0.363 0.373 0.369 0.373  0.364    1.93
53)  tert-amyl methyl ether
      1.012 0.897 1.035 1.013 0.993 0.816 1.000 0.911 1.082        0.973    8.45
54)  2,2,4-trimethylpentane
      0.776 0.697 0.773 0.788 0.733 0.536 0.758 0.691 0.768        0.724   10.85
55)  n-butyl alcohol
      0.029       0.032 0.027 0.026 0.026 0.026 0.024 0.039        0.029   16.07
56)  benzene
      1.342 1.278 1.384 1.299 1.264 1.096 1.251 1.177 1.343 1.577  1.301    9.88
57)  heptane
      0.168       0.169 0.164 0.154 0.104 0.161 0.150 0.158        0.154   13.69
58)  1,2-dichloroethane
      0.514 0.516 0.532 0.483 0.475 0.452 0.483 0.443 0.559        0.495    7.64
59)  trichloroethene
      0.364 0.256 0.336 0.346 0.337 0.253 0.342 0.310 0.345 0.386  0.328   13.11
60)  ethyl acrylate
      0.582       0.612 0.571 0.573 0.566 0.581 0.511 0.693        0.586    8.79
61)  2-nitropropane
      0.185       0.184 0.166 0.173       0.179 0.156              0.174    6.42
62)  2-chloroethyl vinyl ether
      0.110 0.114 0.116 0.110 0.113 0.098 0.123 0.100 0.129        0.113    8.53
63)  methyl methacrylate
      0.114       0.102 0.114 0.110       0.113 0.098 0.109        0.109    5.61
64)  1,2-dichloropropane
      0.350 0.344 0.357 0.334 0.328 0.284 0.331 0.303 0.358        0.332    7.47
65)  methylcyclohexane
      0.489 0.401 0.478 0.495 0.470 0.306 0.482 0.430 0.491        0.449   13.89
66)  dibromomethane
      0.231 0.229 0.259 0.224 0.218 0.206 0.220 0.206 0.266        0.229    9.23
67)  bromodichloromethane
      0.498 0.476 0.515 0.462 0.460 0.408 0.468 0.433 0.545        0.474    8.73
68)  cis-1,3-dichloropropene
      0.545 0.525 0.539 0.536 0.531 0.428 0.539 0.490 0.569 0.611  0.531    8.99
69)  epichlorohydrin
      0.069       0.069 0.066 0.065 0.061 0.064 0.061 0.088        0.068   12.82
70)  4-methyl-2-pentanone
      0.210 0.211 0.219 0.201 0.197 0.193 0.197 0.182 0.269        0.209   12.00
71)  3-methyl-1-butanol
      0.028       0.031 0.025 0.024 0.024 0.024 0.023 0.036        0.027   17.38

72) I   chlorobenzene-d5      ----------------ISTD---------------------
73)  toluene-d8 (s)
      1.464 1.394 1.458 1.455 1.469 1.443 1.480 1.454 1.444 1.440  1.450    1.60
74)  toluene
      1.065 1.030 1.058 1.022 0.993 0.844 0.994 0.923 1.097 1.238  1.026   10.18
75)  trans-1,3-dichloropropene
      0.659 0.593 0.664 0.665 0.653 0.546 0.667 0.590 0.723        0.640    8.36
76)  ethyl methacrylate
      0.658 0.710 0.679 0.618 0.602 0.613 0.600 0.565 0.773        0.647   10.10
77)  1,1,2-trichloroethane
      0.364 0.314 0.357 0.344 0.338 0.296 0.335 0.314 0.401        0.340    9.20
78)  2-hexanone
      0.301 0.286 0.314 0.276 0.268 0.280 0.265 0.258 0.376        0.292   12.43
79)  tetrachloroethene
      0.440 0.395 0.454 0.421 0.411 0.312 0.409 0.384 0.440 0.457  0.412   10.40
80)  1,3-dichloropropane
```

Initial Calibration Summary

Job Number: JE21194
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: VL11472-ICC11472
Lab FileID: L373790.D

```
      0.681 0.621 0.708 0.669 0.656 0.553 0.659 0.608 0.746        0.656    8.68
 81)  butyl acetate
      0.387 0.413 0.410 0.361 0.350 0.371 0.355 0.334 0.476        0.384   11.33
 82)  dibromochloromethane
      0.441 0.473 0.478 0.433 0.429 0.374 0.433 0.394 0.494        0.439    8.86
 83)  1,2-dibromoethane
      0.433 0.344 0.445 0.424 0.413 0.331 0.415 0.377 0.472 0.480  0.413   12.02
 84)  n-butyl ether
      1.808 1.753 1.868 1.695 1.658 1.571 1.636 1.573 1.987        1.728    8.10
 85)  chlorobenzene
      1.137 1.084 1.167 1.042 1.023 1.065 1.027 0.970 1.184        1.078    6.68
 86)  1,1,1,2-tetrachloroethane
      0.391 0.324 0.393 0.386 0.381 0.305 0.384 0.341 0.377        0.365    8.98
 87)  ethylbenzene
      2.014 1.856 2.044 1.882 1.846 1.652 1.819 1.731 2.075        1.880    7.58
 88)  m,p-xylene
      0.759 0.741 0.800 0.714 0.691 0.639 0.688 0.662 0.821        0.724    8.50
 89)  o-xylene
      0.747 0.703 0.764 0.689 0.671 0.650 0.671 0.638 0.840        0.708    9.14
 90)  butyl acrylate
      1.031 1.177 1.115 0.959 0.941 0.972 0.935 0.885 1.305        1.036   13.24
 91)  styrene
      1.266 1.128 1.282 1.183 1.159 1.067 1.158 1.081 1.359        1.187    8.20
 92)  bromoform
      0.308 0.330 0.325 0.315 0.314 0.266 0.326 0.268 0.355        0.312    9.24
 93)  n-amyl acetate
      0.392 0.400 0.425 0.363 0.348 0.391 0.344 0.331 0.494        0.388   12.95
 94)  isopropylbenzene
      1.804 1.719 1.833 1.715 1.674 1.463 1.686 1.559 1.925        1.709    8.17
 95)  cis-1,4-dichloro-2-butene
      0.128       0.127 0.151 0.166       0.190 0.124 0.131        0.145   17.23

 96) I   1,4-dichlorobenzene-d ----------------ISTD---------------------
 97)  4-bromofluorobenzene (s)
      1.065 1.079 1.064 1.091 1.076 1.056 1.096 1.085 1.059 1.057  1.073    1.36
 98)  bromobenzene
      0.943 0.853 0.958 0.887 0.853 0.790 0.868 0.804 1.032        0.887    8.75
 99)  1,1,2,2-tetrachloroethane
      1.346 1.278 1.480 1.295 1.270 1.343 1.286 1.152 1.648        1.344   10.63
100)  trans-1,4-dichloro-2-butene
      0.240       0.235 0.275 0.303       0.349 0.228 0.256        0.269   16.28
101)  1,2,3-trichloropropane
      0.398       0.430 0.383 0.374 0.395 0.390 0.345 0.498        0.402   11.33
102)  n-propylbenzene
      4.584 4.201 4.687 4.388 4.247 3.675 4.340 3.910 4.564        4.289    7.66
103)  2-chlorotoluene
      0.873 0.779 0.929 0.840 0.801 0.765 0.822 0.755 0.926        0.832    7.87
104)  4-chlorotoluene
      0.915 0.893 0.949 0.875 0.834 0.810 0.856 0.780 1.032        0.883    8.67
105)  1,3,5-trimethylbenzene
      3.158 2.826 3.218 3.083 2.983 2.659 2.997 2.727 3.214        2.985    6.96
106)  tert-butylbenzene
      2.463 2.369 2.556 2.363 2.274 2.094 2.326 2.107 2.640        2.355    7.81
107)  1,2,4-trimethylbenzene
      3.201 2.720 3.213 3.098 3.035 2.718 3.058 2.765 3.330        3.015    7.60
108)  sec-butylbenzene
      3.630 3.342 3.642 3.565 3.419 2.891 3.487 3.099 3.690        3.418    7.89
109)  1,3-dichlorobenzene
      1.723 1.665 1.737 1.622 1.566 1.536 1.579 1.482 1.858        1.641    7.14
110)  p-isopropyltoluene
```

Initial Calibration Summary

Job Number: JE21194
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: VL11472-ICC11472
Lab FileID: L373790.D

```
       3.031 2.762 3.067 2.948 2.833 2.295 2.876 2.564 3.058        2.826    9.07
111)  1,4-dichlorobenzene
       1.760 1.794 1.815 1.643 1.604 1.681 1.608 1.484 1.869        1.695    7.29
112)  1,2,3-trimethylbenzene
       3.307 3.251 3.442 3.199 3.122 2.975 3.092 2.836 3.444        3.186    6.39
113)  1,2-dichlorobenzene
       1.658 1.420 1.716 1.571 1.506 1.532 1.514 1.417 1.853        1.576    9.07
114)  n-butylbenzene
       1.448 1.210 1.494 1.483 1.459 1.231 1.472 1.301 1.572        1.408    9.08
115)  1,2-dibromo-3-chloropropane
       0.367 0.304 0.408 0.357 0.343 0.360 0.361 0.317 0.442        0.362   11.71
116)  1,3,5-trichlorobenzene
       1.066 0.948 1.067 1.060 1.009 0.867 1.084 0.945 1.085        1.014    7.66
117)  1,2,4-trichlorobenzene
       0.923 0.789 0.938 0.929 0.887 0.782 0.977 0.799 1.023        0.894    9.70
118)  hexachlorobutadiene
       0.355 0.279 0.365 0.352 0.322 0.268 0.369 0.302 0.411        0.336   13.85
119)  naphthalene
       3.370 3.154 3.425 3.388 3.281 3.023 3.474 2.976 3.742        3.315    7.20
120)  1,2,3-trichlorobenzene
       0.858 0.872 0.904 0.861 0.837 0.702 0.892 0.757 0.985        0.852    9.68
121)  hexachloroethane
       0.438 0.367 0.421 0.475 0.481 0.358 0.511 0.383 0.446        0.431   12.40
122)  benzyl chloride
       2.673 2.652 2.817 2.611 2.564 2.302 2.593 2.317 3.076        2.623    9.01
123)  2-methylnaphthalene
       1.345 1.238 1.382 1.294 1.237 1.095 1.266 1.128 1.524        1.279   10.16

124)     pentafluorobenzene(a) ----------------ISTD---------------------
125)  Freon 143A
                                                                    0.000   -1.00
126)  Freon 142B
                                                                    0.000   -1.00
127)  vinyl bromide
                                                                    0.000   -1.00
128)  Freon 141B
                                                                    0.000   -1.00
129)  allyl chloride
                                                                    0.000   -1.00
130)  pentane
                                                                    0.000   -1.00

131)     1,4-dichlorobenzene-d ----------------ISTD---------------------
132)  pentachloroethane
                                                                    0.000   -1.00
133)  indane
                                                                    0.000   -1.00
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          ML11472.M         Sun Oct 19 11:40:40 2025
```

Initial Calibration Verification

Job Number: JE21194
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: VL11472-ICV11472
Lab FileID: L373795.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\Initials\VL11472\L373795.D Vial: 20
Acq On : 16 Oct 2025 11:03 pm Operator: BridgetK
Sample : icv11472-50 Inst : GCMSL
Misc : MS94818,VL11472,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\ML11472.M (RTE Integrator)
Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
Last Update : Fri Oct 17 13:39:16 2025
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	94	0.00	2.61
2		1,4-dioxane	0.138	0.136	1.4	95	0.00	4.70
		----------	True	Calc.	% Drift	----------		
3		ethanol	5000.000	5009.754	-0.2	92	0.00	2.09
		----------	AvgRF	CCRF	% Dev	----------		
4	M	tertiary butyl alcohol	1.546	1.477	4.5	97	0.00	2.66
5	I	pentafluorobenzene	1.000	1.000	0.0	99	0.00	3.75
6		chlorodifluoromethane		----------NA----------				
7		dichlorodifluoromethane	0.741	0.714	3.6	86	0.00	1.35
8		chloromethane	0.711	0.641	9.8	89	0.00	1.48
9		vinyl chloride	0.703	0.652	7.3	90	0.00	1.55
10		1,3-butadiene	0.651	0.537	17.5	82	0.00	1.58
11		bromomethane	0.175	0.262	-49.7#	141	0.00	1.77
12		chloroethane	0.295	0.346	-17.3	116	0.00	1.84
13		trichlorofluoromethane	0.894	0.898	-0.4	91	0.00	1.99
14		ethyl ether	0.298	0.306	-2.7	98	0.00	2.16
15		acrolein	0.128	0.137	-7.0	101	0.00	2.25
16		freon 113	0.377	0.381	-1.1	92	0.00	2.32
17		1,1-dichloroethene	0.471	0.472	-0.2	94	0.00	2.32
18		acetone	0.093	0.089	4.3	95	0.00	2.33
19		acetonitrile	0.073	0.078	-6.8	107	0.00	2.51
		----------	True	Calc.	% Drift	----------		
20		iodomethane	50.000	43.110	13.8	80	0.00	2.42
		----------	AvgRF	CCRF	% Dev	----------		
21		iso-butyl alcohol	0.063	0.062	1.6	103	0.00	3.90
22		carbon disulfide	1.481	1.393	5.9	92	0.00	2.47
23		methylene chloride	0.581	0.561	3.4	97	0.00	2.62
24		methyl acetate	0.146	0.169	-15.8	110	0.00	2.52
25		methyl tert butyl ether	1.558	1.704	-9.4	99	0.00	2.78
26		trans-1,2-dichloroethene	0.536	0.543	-1.3	96	0.00	2.79
27		hexane	0.662	0.666	-0.6	88	0.00	2.96
28		di-isopropyl ether	1.631	1.691	-3.7	96	0.00	3.07
29		ethyl tert-butyl ether	1.675	1.694	-1.1	92	0.00	3.30
30		2-butanone	0.117	0.121	-3.4	93	0.00	3.41
31	M	1,1-dichloroethane	1.012	1.032	-2.0	98	0.00	3.07
32		chloroprene	0.870	0.901	-3.6	94	0.00	3.11
33		acrylonitrile	0.279	0.334	-19.7	111	0.00	2.76

Initial Calibration Verification

Job Number: JE21194
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: VL11472-ICV11472
Lab FileID: L373795.D

34		vinyl acetate	0.132	0.121	8.3	83	0.00	3.05
35		ethyl acetate	0.144	0.145	-0.7	92	0.00	3.43
36		2,2-dichloropropane	0.911	0.898	1.4	97	0.00	3.43
37		cis-1,2-dichloroethene	0.588	0.608	-3.4	99	0.00	3.43
38		propionitrile	0.159	0.154	3.1	94	0.00	3.45
39		methyl acrylate	0.124	0.133	-7.3	96	0.00	3.46
40		bromochloromethane	0.259	0.266	-2.7	100	0.00	3.59
41		tetrahydrofuran	0.145	0.131	9.7	85	0.00	3.60
42		chloroform	1.123	1.039	7.5	96	0.00	3.64
43	S	dibromofluoromethane (s)	0.522	0.524	-0.4	99	0.00	3.75
44		methacrylonitrile	0.339	0.337	0.6	94	0.00	3.55
45		1,1,1-trichloroethane	0.889	0.942	-6.0	99	0.00	3.77
46		cyclohexane	0.739	0.775	-4.9	96	0.00	3.82
47		1,1-dichloropropene	0.721	0.797	-10.5	98	0.00	3.87
48		carbon tetrachloride	0.725	0.757	-4.4	96	0.00	3.87
49		isopropyl acetate	0.161	0.162	-0.6	93	0.00	4.01
50		tert amyl alcohol	0.063	0.054	14.3	94	0.00	3.98
51	I	1,4-difluorobenzene	1.000	1.000	0.0	100	0.00	4.29
52	S	1,2-dichloroethane-d4 (s)	0.364	0.348	4.4	98	0.00	3.99
53		tert-amyl methyl ether	0.973	0.936	3.8	92	0.00	4.08
54		2,2,4-trimethylpentane	0.724	0.747	-3.2	94	0.00	4.08
55		n-butyl alcohol	0.029	0.024	17.2	91	0.00	4.36
56	M	benzene	1.301	1.286	1.2	99	0.00	4.01
57		heptane	0.154	0.168	-9.1	102	0.00	4.19
58		1,2-dichloroethane	0.495	0.473	4.4	98	0.00	4.04
59		trichloroethene	0.328	0.339	-3.4	98	0.00	4.46
60		ethyl acrylate	0.586	0.566	3.4	99	0.00	4.50
61		2-nitropropane	0.174	0.162	6.9	97	0.00	5.00
62		2-chloroethyl vinyl ether	0.113	0.081	28.3	74	0.00	5.04
63		methyl methacrylate	0.109	0.129	-18.3	113	0.00	4.67
64		1,2-dichloropropane	0.332	0.327	1.5	98	0.00	4.65
65		methylcyclohexane	0.449	0.502	-11.8	101	0.00	4.64
66		dibromomethane	0.229	0.216	5.7	96	0.00	4.72
67		bromodichloromethane	0.474	0.451	4.9	97	0.00	4.84
68		cis-1,3-dichloropropene	0.531	0.521	1.9	97	0.00	5.17
69		epichlorohydrin	0.068	0.061	10.3	92	0.00	5.09
70		4-methyl-2-pentanone	0.209	0.190	9.1	94	0.00	5.28
71		3-methyl-1-butanol	0.027	0.023	14.8	92	0.00	5.31
72	I	chlorobenzene-d5	1.000	1.000	0.0	97	0.00	6.61
73	S	toluene-d8 (s)	1.450	1.499	-3.4	100	0.00	5.39
74		toluene	1.026	1.026	0.0	97	0.00	5.44
75		trans-1,3-dichloropropene	0.640	0.661	-3.3	96	0.00	5.62
76		ethyl methacrylate	0.647	0.461	28.7	72	0.00	5.65
77		1,1,2-trichloroethane	0.340	0.339	0.3	96	0.00	5.78
78		2-hexanone	0.292	0.268	8.2	94	0.00	5.95
79		tetrachloroethene	0.412	0.428	-3.9	99	0.00	5.86
80		1,3-dichloropropane	0.656	0.670	-2.1	97	0.00	5.92
81		butyl acetate	0.384	0.357	7.0	96	0.00	6.04
82		dibromochloromethane	0.439	0.430	2.1	96	0.00	6.10
83		1,2-dibromoethane	0.413	0.424	-2.7	97	0.00	6.21
84		n-butyl ether	1.728	1.750	-1.3	100	0.00	6.70
85		chlorobenzene	1.078	1.043	3.2	97	0.00	6.63
86		1,1,1,2-tetrachloroethane	0.365	0.383	-4.9	96	0.00	6.71
87		ethylbenzene	1.880	1.898	-1.0	98	0.00	6.71
88		m,p-xylene	0.724	0.719	0.7	98	0.00	6.83
89		o-xylene	0.708	0.712	-0.6	100	0.00	7.18
90		butyl acrylate	1.036	0.984	5.0	100	0.00	7.12
91		styrene	1.187	0.899	24.3	74	0.00	7.20

Initial Calibration Verification

Job Number: JE21194
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: VL11472-ICV11472
Lab FileID: L373795.D

92		bromoform	0.312	0.308	1.3	95	0.00	7.36
93		n-amyl acetate	0.388	0.365	5.9	98	0.00	7.33
94		isopropylbenzene	1.709	1.664	2.6	94	0.00	7.51
95		cis-1,4-dichloro-2-butene	0.145	0.160	-10.3	103	0.00	7.57
96	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	99	0.00	8.77
97	S	4-bromofluorobenzene (s)	1.073	1.063	0.9	96	0.00	7.68
98		bromobenzene	0.887	0.877	1.1	98	0.00	7.81
99		1,1,2,2-tetrachloroethane	1.344	1.261	6.2	96	0.00	7.80
100		trans-1,4-dichloro-2-bute	0.269	0.285	-5.9	102	0.00	7.83
101		1,2,3-trichloropropane	0.402	0.366	9.0	95	0.00	7.85
102		n-propylbenzene	4.289	4.265	0.6	96	0.00	7.90
103		2-chlorotoluene	0.832	0.822	1.2	97	0.00	7.99
104		4-chlorotoluene	0.883	0.858	2.8	97	0.00	8.10
105		1,3,5-trimethylbenzene	2.985	3.023	-1.3	97	0.00	8.07
106		tert-butylbenzene	2.355	2.577	-9.4	108	0.00	8.37
107		1,2,4-trimethylbenzene	3.015	3.144	-4.3	100	0.00	8.43
108		sec-butylbenzene	3.418	3.493	-2.2	97	0.00	8.59
109		1,3-dichlorobenzene	1.641	1.576	4.0	96	0.00	8.70
110		p-isopropyltoluene	2.826	2.912	-3.0	98	0.00	8.73
111		1,4-dichlorobenzene	1.695	1.602	5.5	96	0.00	8.80
112		1,2,3-trimethylbenzene		----------NA----------				
113		1,2-dichlorobenzene	1.576	1.519	3.6	96	0.00	9.14
114		n-butylbenzene	1.408	1.473	-4.6	98	0.00	9.12
115		1,2-dibromo-3-chloropropa	0.362	0.347	4.1	96	0.00	9.90
116		1,3,5-trichlorobenzene	1.014	1.152	-13.6	108	0.00	10.09
117		1,2,4-trichlorobenzene	0.894	0.906	-1.3	96	0.00	10.71
118		hexachlorobutadiene	0.336	0.355	-5.7	100	0.00	10.86
119		naphthalene	3.315	3.280	1.1	96	0.00	10.96
120		1,2,3-trichlorobenzene	0.852	0.852	0.0	98	0.00	11.19
121		hexachloroethane	0.431	0.468	-8.6	98	0.00	9.40
122		benzyl chloride	2.623	2.499	4.7	95	0.00	8.91
123		2-methylnaphthalene	1.279	1.324	-3.5	101	0.00	12.09
124		pentafluorobenzene(a)	1.000	1.000	0.0	99	0.00	3.75
125		Freon 143A		----------NA----------				
126		Freon 142B		----------NA----------				
127		vinyl bromide		----------NA----------				
128		Freon 141B		----------NA----------				
129		allyl chloride		----------NA----------				
130		pentane		----------NA----------				
131		1,4-dichlorobenzene-d4(a)	1.000	1.000	0.0	99	0.00	8.77
132		pentachloroethane		----------NA----------				
133		indane		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
L373790.D ML11472.M Fri Oct 17 13:47:42 2025

Initial Calibration Verification

Job Number: JE21194
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: VL11472-ICV11472
Lab FileID: L373796.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\Initials\VL11472\L373796.D Vial: 21
Acq On : 16 Oct 2025 11:28 pm Operator: BridgetK
Sample : icv11472-50 Inst : GCMSL
Misc : MS94818,VL11472,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\ML11472.M (RTE Integrator)
Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
Last Update : Fri Oct 17 10:28:42 2025
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	89	0.00	2.61
2		1,4-dioxane		NA				
		---------- True	Calc.	% Drift	----------			
3		ethanol		NA				
		---------- AvgRF	CCRF	% Dev	----------			
4	M	tertiary butyl alcohol		NA				
5	I	pentafluorobenzene	1.000	1.000	0.0	95	0.00	3.75
6		chlorodifluoromethane	0.733	0.663	9.5	85	0.00	1.37
7		dichlorodifluoromethane		NA				
8		chloromethane		NA				
9		vinyl chloride		NA				
10		1,3-butadiene		NA				
11		bromomethane		NA				
12		chloroethane		NA				
13		trichlorofluoromethane		NA				
14		ethyl ether		NA				
15		acrolein		NA				
16		freon 113		NA				
17		1,1-dichloroethene		NA				
18		acetone		NA				
19		acetonitrile		NA				
		---------- True	Calc.	% Drift	----------			
20		iodomethane		NA				
		---------- AvgRF	CCRF	% Dev	----------			
21		iso-butyl alcohol		NA				
22		carbon disulfide		NA				
23		methylene chloride		NA				
24		methyl acetate		NA				
25		methyl tert butyl ether		NA				
26		trans-1,2-dichloroethene		NA				
27		hexane		NA				
28		di-isopropyl ether		NA				
29		ethyl tert-butyl ether		NA				
30		2-butanone		NA				
31	M	1,1-dichloroethane		NA				
32		chloroprene		NA				
33		acrylonitrile	0.279	0.249	10.8	80	0.00	2.76

Initial Calibration Verification

Job Number: JE21194
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: VL11472-ICV11472
Lab FileID: L373796.D

34		vinyl acetate		----------NA----------				
35		ethyl acetate		----------NA----------				
36		2,2-dichloropropane		----------NA----------				
37		cis-1,2-dichloroethene		----------NA----------				
38		propionitrile		----------NA----------				
39		methyl acrylate		----------NA----------				
40		bromochloromethane		----------NA----------				
41		tetrahydrofuran		----------NA----------				
42		chloroform		----------NA----------				
43	S	dibromofluoromethane (s)	0.522	0.532	-1.9	97	0.00	3.75
44		methacrylonitrile		----------NA----------				
45		1,1,1-trichloroethane		----------NA----------				
46		cyclohexane		----------NA----------				
47		1,1-dichloropropene		----------NA----------				
48		carbon tetrachloride		----------NA----------				
49		isopropyl acetate		----------NA----------				
50		tert amyl alcohol		----------NA----------				
51	I	1,4-difluorobenzene	1.000	1.000	0.0	91	0.00	4.29
52	S	1,2-dichloroethane-d4 (s)	0.364	0.364	0.0	94	0.00	3.99
53		tert-amyl methyl ether		----------NA----------				
54		2,2,4-trimethylpentane		----------NA----------				
55		n-butyl alcohol		----------NA----------				
56	M	benzene		----------NA----------				
57		heptane		----------NA----------				
58		1,2-dichloroethane		----------NA----------				
59		trichloroethene		----------NA----------				
60		ethyl acrylate		----------NA----------				
61		2-nitropropane		----------NA----------				
62		2-chloroethyl vinyl ether		----------NA----------				
63		methyl methacrylate		----------NA----------				
64		1,2-dichloropropane		----------NA----------				
65		methylcyclohexane		----------NA----------				
66		dibromomethane		----------NA----------				
67		bromodichloromethane		----------NA----------				
68		cis-1,3-dichloropropene		----------NA----------				
69		epichlorohydrin		----------NA----------				
70		4-methyl-2-pentanone		----------NA----------				
71		3-methyl-1-butanol		----------NA----------				
72	I	chlorobenzene-d5	1.000	1.000	0.0	94	0.00	6.61
73	S	toluene-d8 (s)	1.450	1.447	0.2	94	0.00	5.39
74		toluene		----------NA----------				
75		trans-1,3-dichloropropene		----------NA----------				
76		ethyl methacrylate		----------NA----------				
77		1,1,2-trichloroethane		----------NA----------				
78		2-hexanone		----------NA----------				
79		tetrachloroethene		----------NA----------				
80		1,3-dichloropropane		----------NA----------				
81		butyl acetate		----------NA----------				
82		dibromochloromethane		----------NA----------				
83		1,2-dibromoethane		----------NA----------				
84		n-butyl ether		----------NA----------				
85		chlorobenzene		----------NA----------				
86		1,1,1,2-tetrachloroethane		----------NA----------				
87		ethylbenzene		----------NA----------				
88		m,p-xylene		----------NA----------				
89		o-xylene		----------NA----------				
90		butyl acrylate		----------NA----------				
91		styrene		----------NA----------				

Initial Calibration Verification

Job Number: JE21194
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: VL11472-ICV11472
Lab FileID: L373796.D

92		bromoform		----------NA----------				
93		n-amyl acetate		----------NA----------				
94		isopropylbenzene		----------NA----------				
95		cis-1,4-dichloro-2-butene		----------NA----------				
96	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	97	0.00	8.77
97	S	4-bromofluorobenzene (s)	1.073	1.051	2.1	93	0.00	7.68
98		bromobenzene		----------NA----------				
99		1,1,2,2-tetrachloroethane		----------NA----------				
100		trans-1,4-dichloro-2-bute		----------NA----------				
101		1,2,3-trichloropropane		----------NA----------				
102		n-propylbenzene		----------NA----------				
103		2-chlorotoluene		----------NA----------				
104		4-chlorotoluene		----------NA----------				
105		1,3,5-trimethylbenzene		----------NA----------				
106		tert-butylbenzene		----------NA----------				
107		1,2,4-trimethylbenzene		----------NA----------				
108		sec-butylbenzene		----------NA----------				
109		1,3-dichlorobenzene		----------NA----------				
110		p-isopropyltoluene		----------NA----------				
111		1,4-dichlorobenzene		----------NA----------				
112		1,2,3-trimethylbenzene	3.186	2.306	27.6	70	0.00	8.82
113		1,2-dichlorobenzene		----------NA----------				
114		n-butylbenzene		----------NA----------				
115		1,2-dibromo-3-chloropropa		----------NA----------				
116		1,3,5-trichlorobenzene		----------NA----------				
117		1,2,4-trichlorobenzene		----------NA----------				
118		hexachlorobutadiene		----------NA----------				
119		naphthalene		----------NA----------				
120		1,2,3-trichlorobenzene		----------NA----------				
121		hexachloroethane		----------NA----------				
122		benzyl chloride		----------NA----------				
123		2-methylnaphthalene		----------NA----------				
124		pentafluorobenzene(a)	1.000	1.000	0.0	95	0.00	3.75
125		Freon 143A		----------NA----------				
126		Freon 142B		----------NA----------				
127		vinyl bromide		----------NA----------				
128		Freon 141B		----------NA----------				
129		allyl chloride		----------NA----------				
130		pentane		----------NA----------				
131		1,4-dichlorobenzene-d4(a)	1.000	1.000	0.0	97	0.00	8.77
132		pentachloroethane		----------NA----------				
133		indane		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
L373790.D ML11472.M Fri Oct 17 10:49:17 2025

Continuing Calibration Summary

Job Number: JE21194
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: VL11481-CC11472
Lab FileID: L374036.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\adriana2\VL11481\L374036.d Vial: 16
Acq On : 24 Oct 2025 11:26 am Operator: BridgetK
Sample : cc11472-20 Inst : GCMSL
Misc : MS98250,VL11481,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\dat...L11481\ML11472.M (RTE Integrator)
Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
Last Update : Fri Oct 17 13:39:16 2025
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	63	0.00	2.60
2		1,4-dioxane	0.138	0.137	0.7	72	0.00	4.70
			True	Calc.	% Drift			
3		ethanol	2000.000	1971.314	1.4	69	0.00	2.08
			AvgRF	CCRF	% Dev			
4	M	tertiary butyl alcohol	1.546	1.407	9.0	68	0.00	2.65
5	I	pentafluorobenzene	1.000	1.000	0.0	77	0.00	3.75
6		chlorodifluoromethane	0.733	0.729	0.5	82	0.00	1.36
7		dichlorodifluoromethane	0.741	0.836	-12.8	85	0.00	1.35
8		chloromethane	0.711	0.630	11.4	72	0.00	1.48
9		vinyl chloride	0.703	0.687	2.3	76	0.00	1.55
10		1,3-butadiene	0.651	0.695	-6.8	85	0.00	1.58
11		bromomethane	0.175	0.169	3.4	80	0.00	1.77
12		chloroethane	0.295	0.276	6.4	75	0.00	1.84
13		trichlorofluoromethane	0.894	1.013	-13.3	88	0.00	2.00
14		ethyl ether	0.298	0.323	-8.4	85	0.00	2.16
15		acrolein	0.128	0.107	16.4	65	0.00	2.25
16		freon 113	0.377	0.413	-9.5	87	0.00	2.32
17		1,1-dichloroethene	0.471	0.479	-1.7	80	0.00	2.32
18		acetone	0.093	0.080	14.0	72	0.00	2.33
19		acetonitrile	0.073	0.063	13.7	71	0.00	2.51
			True	Calc.	% Drift			
20		iodomethane	20.000	10.161	49.2#	43	0.00	2.42
			AvgRF	CCRF	% Dev			
21		iso-butyl alcohol	0.063	0.052	17.5	74	0.00	3.89
22		carbon disulfide	1.481	1.459	1.5	81	0.00	2.47
23		methylene chloride	0.581	0.560	3.6	80	0.00	2.62
24		methyl acetate	0.146	0.133	8.9	76	0.00	2.52
25		methyl tert butyl ether	1.558	1.534	1.5	77	0.00	2.78
26		trans-1,2-dichloroethene	0.536	0.541	-0.9	81	0.00	2.79
27		hexane	0.662	0.684	-3.3	81	0.00	2.96
28		di-isopropyl ether	1.631	1.500	8.0	74	0.00	3.07
29		ethyl tert-butyl ether	1.675	1.566	6.5	74	0.00	3.29
30		2-butanone	0.117	0.107	8.5	72	0.00	3.41
31	M	1,1-dichloroethane	1.012	0.972	4.0	77	0.00	3.06
32		chloroprene	0.870	0.864	0.7	78	0.00	3.11
33		acrylonitrile	0.279	0.243	12.9	68	0.00	2.76

Continuing Calibration Summary

Job Number: JE21194
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: VL11481-CC11472
Lab FileID: L374036.D

34		vinyl acetate	0.132	0.121	8.3	70	0.00	3.05
35		ethyl acetate	0.144	0.112	22.2#	69	0.00	3.42
36		2,2-dichloropropane	0.911	0.876	3.8	79	0.00	3.44
37		cis-1,2-dichloroethene	0.588	0.576	2.0	79	0.00	3.43
38		propionitrile	0.159	0.137	13.8	72	0.00	3.45
39		methyl acrylate	0.124	0.114	8.1	73	0.00	3.46
40		bromochloromethane	0.259	0.252	2.7	77	0.00	3.58
41		tetrahydrofuran	0.145	0.127	12.4	72	0.00	3.60
42		chloroform	1.123	1.019	9.3	79	0.00	3.64
43	S	dibromofluoromethane (s)	0.522	0.505	3.3	73	0.00	3.75
44		methacrylonitrile	0.339	0.303	10.6	73	0.00	3.55
45		1,1,1-trichloroethane	0.889	0.890	-0.1	81	0.00	3.77
46		cyclohexane	0.739	0.891	-20.6#	95	0.00	3.82
47		1,1-dichloropropene	0.721	0.746	-3.5	81	0.00	3.87
48		carbon tetrachloride	0.725	0.702	3.2	79	0.00	3.87
49		isopropyl acetate	0.161	0.141	12.4	72	0.00	4.00
50		tert amyl alcohol	0.063	0.049	22.2#	69	-0.01	3.98
51	I	1,4-difluorobenzene	1.000	1.000	0.0	73	0.00	4.28
52	S	1,2-dichloroethane-d4 (s)	0.364	0.364	0.0	71	0.00	3.98
53		tert-amyl methyl ether	0.973	0.928	4.6	74	0.00	4.07
54		2,2,4-trimethylpentane	0.724	0.772	-6.6	81	0.00	4.07
55		n-butyl alcohol	0.029	0.023	20.7#	68	0.00	4.36
56	M	benzene	1.301	1.289	0.9	80	0.00	4.01
57		heptane	0.154	0.157	-1.9	76	0.00	4.19
58		1,2-dichloroethane	0.495	0.479	3.2	78	0.00	4.04
59		trichloroethene	0.328	0.334	-1.8	78	0.00	4.46
60		ethyl acrylate	0.586	0.519	11.4	74	0.00	4.49
61		2-nitropropane	0.174	0.151	13.2	70	0.00	5.00
62		2-chloroethyl vinyl ether	0.113	0.094	16.8	68	0.00	5.04
63		methyl methacrylate	0.109	0.103	5.5	76	0.00	4.67
64		1,2-dichloropropane	0.332	0.322	3.0	77	0.00	4.65
65		methylcyclohexane	0.449	0.493	-9.8	83	0.00	4.64
66		dibromomethane	0.229	0.229	0.0	81	0.00	4.72
67		bromodichloromethane	0.474	0.435	8.2	73	0.00	4.84
68		cis-1,3-dichloropropene	0.531	0.494	7.0	73	0.00	5.17
69		epichlorohydrin	0.068	0.059	13.2	71	0.00	5.08
70		4-methyl-2-pentanone	0.209	0.183	12.4	73	0.00	5.28
71		3-methyl-1-butanol	0.027	0.022	18.5	72	0.00	5.31
72	I	chlorobenzene-d5	1.000	1.000	0.0	72	0.00	6.61
73	S	toluene-d8 (s)	1.450	1.466	-1.1	73	0.00	5.39
74		toluene	1.026	1.033	-0.7	81	0.00	5.44
75		trans-1,3-dichloropropene	0.640	0.596	6.9	73	0.00	5.62
76		ethyl methacrylate	0.647	0.586	9.4	75	0.00	5.65
77		1,1,2-trichloroethane	0.340	0.331	2.6	76	0.00	5.78
78		2-hexanone	0.292	0.259	11.3	72	0.00	5.95
79		tetrachloroethene	0.412	0.436	-5.8	82	0.00	5.87
80		1,3-dichloropropane	0.656	0.650	0.9	77	0.00	5.92
81		butyl acetate	0.384	0.337	12.2	73	0.00	6.05
82		dibromochloromethane	0.439	0.384	12.5	70	0.00	6.10
83		1,2-dibromoethane	0.413	0.407	1.5	78	0.00	6.21
84		n-butyl ether	1.728	1.669	3.4	77	0.00	6.70
85		chlorobenzene	1.078	1.048	2.8	78	0.00	6.63
86		1,1,1,2-tetrachloroethane	0.365	0.349	4.4	74	0.00	6.70
87		ethylbenzene	1.880	1.935	-2.9	81	0.00	6.71
88		m,p-xylene	0.724	0.751	-3.7	82	0.00	6.83
89		o-xylene	0.708	0.719	-1.6	81	0.00	7.18
90		butyl acrylate	1.036	0.913	11.9	74	0.00	7.12
91		styrene	1.187	1.195	-0.7	80	0.00	7.20

Continuing Calibration Summary

Job Number: JE21194 **Sample:** VL11481-CC11472
Account: BBLNYS Arcadis **Lab FileID:** L374036.D
Project: Saratoga Springs, NY

92		bromoform	0.312	0.252	19.2	68	0.00	7.36
93		n-amyl acetate	0.388	0.355	8.5	77	0.00	7.33
94		isopropylbenzene	1.709	1.748	-2.3	81	0.00	7.51
95		cis-1,4-dichloro-2-butene	0.145	0.082	43.4#	48#	0.00	7.57
96	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	75	0.00	8.77
97	S	4-bromofluorobenzene (s)	1.073	1.039	3.2	71	0.00	7.68
98		bromobenzene	0.887	0.862	2.8	80	0.00	7.81
99		1,1,2,2-tetrachloroethane	1.344	1.149	14.5	74	0.00	7.80
100		trans-1,4-dichloro-2-bute	0.269	0.150	44.2#	49#	0.00	7.83
101		1,2,3-trichloropropane	0.402	0.353	12.2	76	0.00	7.85
102		n-propylbenzene	4.289	4.267	0.5	81	0.00	7.90
103		2-chlorotoluene	0.832	0.820	1.4	81	0.00	7.98
104		4-chlorotoluene	0.883	0.831	5.9	80	0.00	8.10
105		1,3,5-trimethylbenzene	2.985	2.957	0.9	81	0.00	8.07
106		tert-butylbenzene	2.355	2.331	1.0	83	0.00	8.37
107		1,2,4-trimethylbenzene	3.015	3.061	-1.5	83	0.00	8.43
108		sec-butylbenzene	3.418	3.430	-0.4	83	0.00	8.58
109		1,3-dichlorobenzene	1.641	1.545	5.9	78	0.00	8.70
110		p-isopropyltoluene	2.826	2.855	-1.0	83	0.00	8.73
111		1,4-dichlorobenzene	1.695	1.612	4.9	81	0.00	8.80
112		1,2,3-trimethylbenzene	3.186	3.101	2.7	82	0.00	8.82
113		1,2-dichlorobenzene	1.576	1.526	3.2	80	0.00	9.14
114		n-butylbenzene	1.408	1.448	-2.8	83	0.00	9.13
115		1,2-dibromo-3-chloropropa	0.362	0.290	19.9	68	0.00	9.91
116		1,3,5-trichlorobenzene	1.014	1.011	0.3	80	0.00	10.09
117		1,2,4-trichlorobenzene	0.894	0.862	3.6	81	0.00	10.71
118		hexachlorobutadiene	0.336	0.350	-4.2	86	0.00	10.86
119		naphthalene	3.315	3.162	4.6	79	0.00	10.97
120		1,2,3-trichlorobenzene	0.852	0.811	4.8	80	0.00	11.19
121		hexachloroethane	0.431	0.340	21.1#	66	0.00	9.40
122		benzyl chloride	2.623	2.194	16.4	71	0.00	8.91
123		2-methylnaphthalene	1.279	1.167	8.8	77	0.00	12.09
124		pentafluorobenzene(a)	1.000	1.000	0.0	77	0.00	3.75
125		Freon 143A		----------NA----------				
126		Freon 142B		----------NA----------				
127		vinyl bromide		----------NA----------				
128		Freon 141B		----------NA----------				
129		allyl chloride		----------NA----------				
130		pentane		----------NA----------				
131		1,4-dichlorobenzene-d4(a)	1.000	1.000	0.0	75	0.00	8.77
132		pentachloroethane		----------NA----------				
133		indane		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
L373789.D ML11472.M Mon Oct 27 05:15:07 2025

Run Sequence Report

Job Number: JE21194
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Run ID: VL11472 **Method:** SW846 8260D **Instrument ID:** GCMSL

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VL11472-BFB	L373782.D	10/16/25 17:06	n/a	BFB Tune
VL11472-IC11472	L373783.D	10/16/25 18:00	n/a	Initial cal 0.2
VL11472-IC11472	L373784.D	10/16/25 18:25	n/a	Initial cal 0.5
VL11472-IC11472	L373785.D	10/16/25 18:50	n/a	Initial cal 1
VL11472-IC11472	L373786.D	10/16/25 19:15	n/a	Initial cal 2
VL11472-IC11472	L373787.D	10/16/25 19:41	n/a	Initial cal 4
VL11472-IC11472	L373788.D	10/16/25 20:06	n/a	Initial cal 8
VL11472-IC11472	L373789.D	10/16/25 20:31	n/a	Initial cal 20
VL11472-ICC11472	L373790.D	10/16/25 20:56	n/a	Initial cal 50
VL11472-IC11472	L373791.D	10/16/25 21:22	n/a	Initial cal 100
VL11472-IC11472	L373792.D	10/16/25 21:47	n/a	Initial cal 200
VL11472-ICV11472	L373795.D	10/16/25 23:03	n/a	Initial cal verification 50
VL11472-ICV11472	L373796.D	10/16/25 23:28	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JE21194
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Run ID: VL11481 **Method:** SW846 8260D **Instrument ID:** GCMSL

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VL11481-CC11472	L374036.D	10/24/25 11:26	n/a	Continuing cal 20
VL11481-BS	L374037.D	10/24/25 11:58	n/a	Blank Spike
VL11481-MB	L374039.D	10/24/25 12:48	n/a	Method Blank
ZZZZZZ	L374040.D	10/24/25 13:18	n/a	(unrelated sample)
ZZZZZZ	L374041.D	10/24/25 13:44	n/a	(unrelated sample)
ZZZZZZ	L374042.D	10/24/25 14:09	n/a	(unrelated sample)
ZZZZZZ	L374043.D	10/24/25 14:34	n/a	(unrelated sample)
ZZZZZZ	L374044.D	10/24/25 14:59	n/a	(unrelated sample)
ZZZZZZ	L374045.D	10/24/25 15:25	n/a	(unrelated sample)
ZZZZZZ	L374046.D	10/24/25 15:50	n/a	(unrelated sample)
ZZZZZZ	L374048.D	10/24/25 16:40	n/a	(unrelated sample)
ZZZZZZ	L374049.D	10/24/25 17:05	n/a	(unrelated sample)
JE21509-2MS	L374050.D	10/24/25 17:30	n/a	Matrix Spike
JE21509-2MSD	L374051.D	10/24/25 17:56	n/a	Matrix Spike Duplicate
ZZZZZZ	L374052.D	10/24/25 18:21	n/a	(unrelated sample)
ZZZZZZ	L374053.D	10/24/25 18:46	n/a	(unrelated sample)
JE21194-2	L374054.D	10/24/25 19:11	n/a	TRIP BLANK
ZZZZZZ	L374055.D	10/24/25 19:36	n/a	(unrelated sample)
JE21509-2	L374056.D	10/24/25 20:02	n/a	(used for QC only; not part of job JE21194)
ZZZZZZ	L374057.D	10/24/25 20:27	n/a	(unrelated sample)
ZZZZZZ	L374058.D	10/24/25 20:52	n/a	(unrelated sample)
ZZZZZZ	L374059.D	10/24/25 21:17	n/a	(unrelated sample)
ZZZZZZ	L374060.D	10/24/25 21:42	n/a	(unrelated sample)
ZZZZZZ	L374061.D	10/24/25 22:08	n/a	(unrelated sample)
ZZZZZZ	L374062.D	10/24/25 22:33	n/a	(unrelated sample)

MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\adriana2\VL11481\
Data File : L374054.d
Acq On : 24 Oct 2025 7:11 pm
Operator : BridgetK
Sample : je21194-2 Inst : GCMSL
Misc : MS98193,VL11481,5,,,,1
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Oct 27 05:45:15 2025
Quant Method : C:\msdchem\1\data\adriana2\VL11481\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 13:39:16 2025
Response via : Initial Calibration

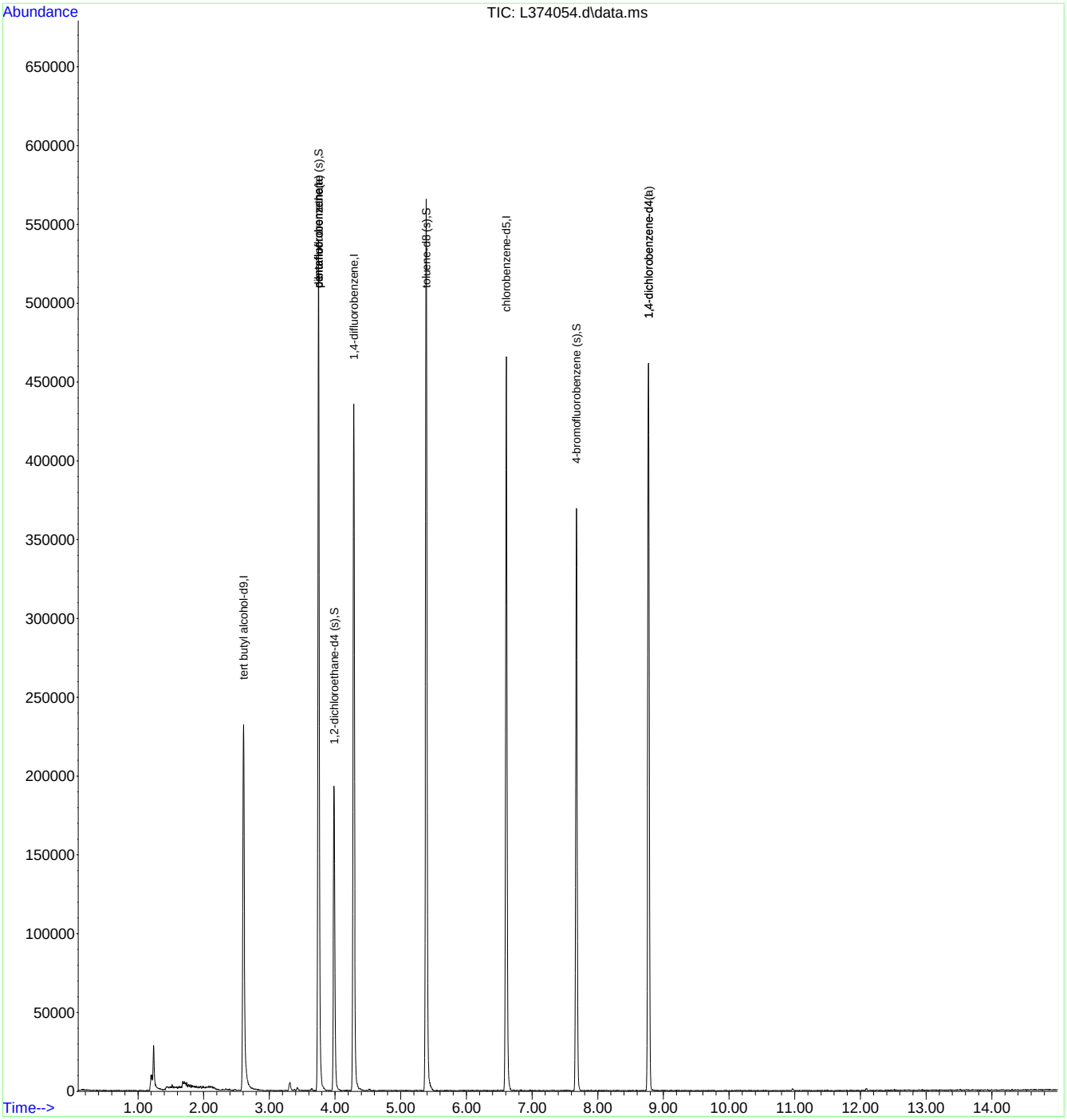
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	2.607	65	225599	500.00	ug/L	0.00
5) pentafluorobenzene	3.749	168	184986	50.00	ug/L	0.00
51) 1,4-difluorobenzene	4.285	114	293165	50.00	ug/L	0.00
72) chlorobenzene-d5	6.608	117	233774	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	8.774	152	115986	50.00	ug/L	0.00
124) pentafluorobenzene(a)	3.749	168	184986	50.00	ug/L	0.00
131) 1,4-dichlorobenzene-d4(a)	8.774	152	115986	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	3.749	113	92590	47.95	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 95.90%			
52) 1,2-dichloroethane-d4 (s)	3.986	65	106673	50.02	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 100.04%			
73) toluene-d8 (s)	5.389	98	341791	50.41	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.82%			
97) 4-bromofluorobenzene (s)	7.674	95	119928	48.19	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 96.38%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\adriana2\VL11481\
Data File : L374054.d
Acq On : 24 Oct 2025 7:11 pm
Operator : BridgetK
Sample : je21194-2 Inst : GCMSL
Misc : MS98193,VL11481,5,,,,1
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Oct 27 05:45:15 2025
Quant Method : C:\msdchem\1\data\adriana2\VL11481\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 13:39:16 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\adriana2\VL11481\
Data File : L374039.d
Acq On : 24 Oct 2025 12:48 pm
Operator : BridgetK
Sample : mb Inst : GCMSL
Misc : MS98341,VL11481,5,,,,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 27 04:56:42 2025
Quant Method : C:\msdchem\1\data\adriana2\VL11481\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 13:39:16 2025
Response via : Initial Calibration

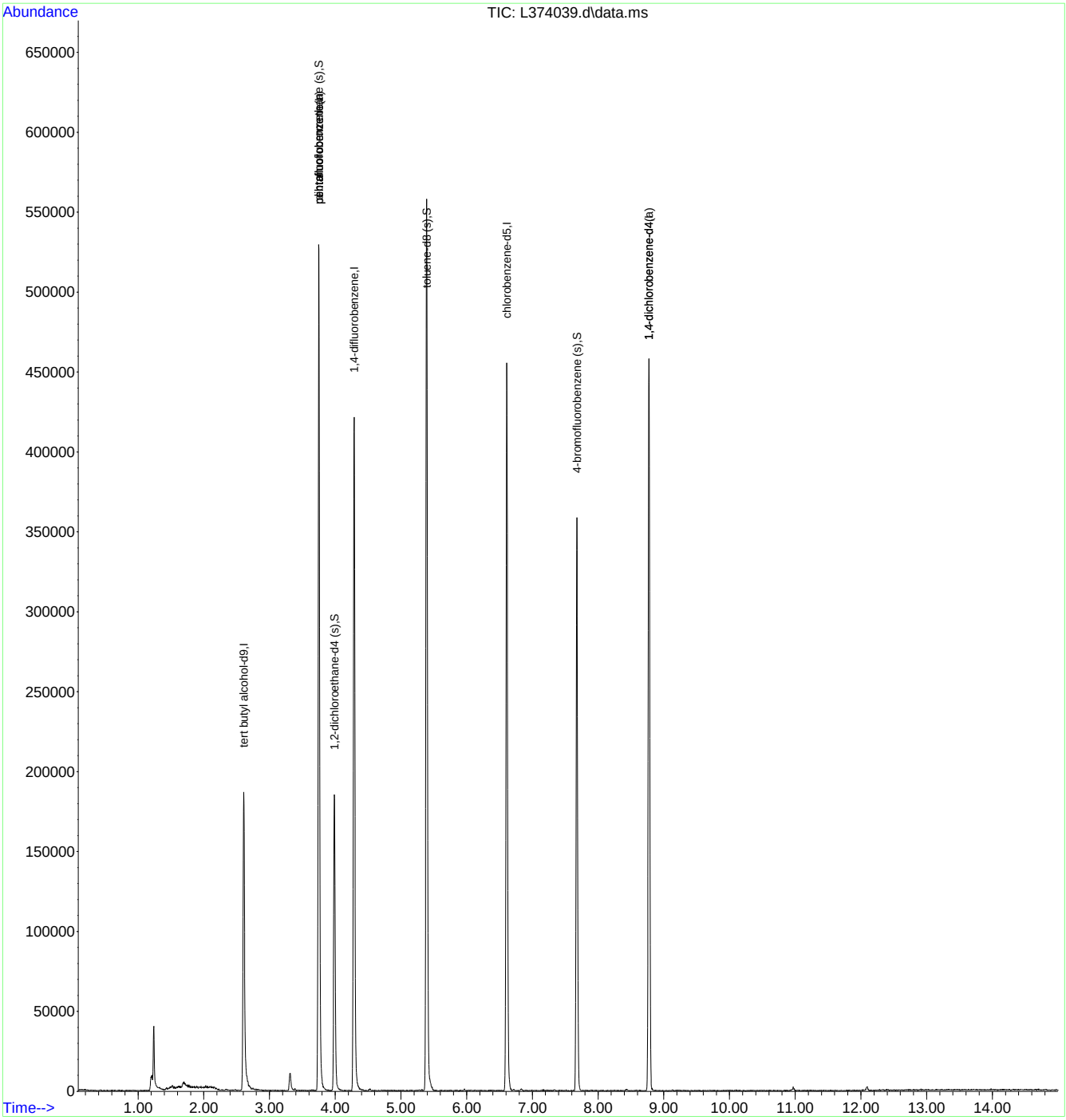
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	2.607	65	182692	500.00	ug/L	0.00
5) pentafluorobenzene	3.752	168	180592	50.00	ug/L	0.00
51) 1,4-difluorobenzene	4.288	114	286680	50.00	ug/L	0.00
72) chlorobenzene-d5	6.612	117	227404	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	8.771	152	111706	50.00	ug/L	0.00
124) pentafluorobenzene(a)	3.752	168	180592	50.00	ug/L	0.00
131) 1,4-dichlorobenzene-d4(a)	8.771	152	111706	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	3.749	113	92119	48.86	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.72%			
52) 1,2-dichloroethane-d4 (s)	3.987	65	103670	49.71	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 99.42%			
73) toluene-d8 (s)	5.392	98	334956	50.79	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.58%			
97) 4-bromofluorobenzene (s)	7.677	95	117413	48.98	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.96%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\adriana2\VL11481\
Data File : L374039.d
Acq On : 24 Oct 2025 12:48 pm
Operator : BridgetK
Sample : mb Inst : GCMSL
Misc : MS98341,VL11481,5,,,,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 27 04:56:42 2025
Quant Method : C:\msdchem\1\data\adriana2\VL11481\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 13:39:16 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\adriana2\VL11481\
Data File : L374037.d
Acq On : 24 Oct 2025 11:58 am
Operator : BridgetK
Sample : bs Inst : GCMSL
Misc : MS98250,VL11481,5,,,,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 27 04:55:56 2025
Quant Method : C:\msdchem\1\data\adriana2\VL11481\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 13:39:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	2.604	65	210848	500.00	ug/L	0.00
5) pentafluorobenzene	3.746	168	193360	50.00	ug/L	0.00
51) 1,4-difluorobenzene	4.285	114	327650	50.00	ug/L	0.00
72) chlorobenzene-d5	6.608	117	249250	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	8.774	152	125457	50.00	ug/L	0.00
124) pentafluorobenzene(a)	3.746	168	193360	50.00	ug/L	0.00
131) 1,4-dichlorobenzene-d4(a)	8.774	152	125457	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	3.746	113	98228	48.66	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.32%			
52) 1,2-dichloroethane-d4 (s)	3.983	65	115621	48.51	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 97.02%			
73) toluene-d8 (s)	5.389	98	369863	51.16	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 102.32%			
97) 4-bromofluorobenzene (s)	7.677	95	130864	48.61	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.22%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.699	88	74054	1273.1325	ug/L	89
3) ethanol	2.084	45	232104	5290.7836	ug/L	99
4) tertiary butyl alcohol	2.655	59	154375	236.7857	ug/L	99
6) chlorodifluoromethane	1.365	51	147690	52.1005	ug/L	98
7) dichlorodifluoromethane	1.352	85	168392	58.7970	ug/L	99
8) chloromethane	1.480	50	127001	46.2036	ug/L	99
9) vinyl chloride	1.554	62	137448	50.5295	ug/L	100
10) 1,3-butadiene	1.580	54	137363	54.5836	ug/L	97
11) bromomethane	1.766	96	37039	54.7590	ug/L	100
12) chloroethane	1.837	64	54499	47.7608	ug/L	98
13) trichlorofluoromethane	1.997	101	204950	59.2539	ug/L	99
14) ethyl ether	2.161	74	61567	53.4431	ug/L	96
15) acrolein	2.251	56	22362	45.3024	ug/L	96
16) freon 113	2.315	151	82966	56.9248	ug/L	98
17) 1,1-dichloroethene	2.321	96	99239	54.4831	ug/L	98
18) acetone	2.331	58	66891	186.6177	ug/L	99
19) acetonitrile	2.511	40	129443	460.8626	ug/L	98
20) iodomethane	2.421	142	55665	39.0351	ug/L	96
21) iso-butyl alcohol	3.897	43	108957	447.0847	ug/L	98
22) carbon disulfide	2.472	76	297858	51.9893	ug/L	99
23) methylene chloride	2.623	84	110844	49.3082	ug/L	98
24) methyl acetate	2.520	74	28433	50.2137	ug/L #	83
25) methyl tert butyl ether	2.777	73	322488	53.5192	ug/L	98
26) trans-1,2-dichloroethene	2.790	96	110778	53.4882	ug/L	99
27) hexane	2.957	57	147285	57.5697	ug/L	96
28) di-isopropyl ether	3.066	45	313442	49.6944	ug/L	91
29) ethyl tert-butyl ether	3.297	59	334114	51.5719	ug/L	98
30) 2-butanone	3.406	72	93671	207.7467	ug/L	92
31) 1,1-dichloroethane	3.062	63	199090	50.8895	ug/L	97
32) chloroprene	3.111	53	183900	54.6372	ug/L	99
33) acrylonitrile	2.758	53	51942	48.1056	ug/L	97
34) vinyl acetate	3.046	86	26829	52.4084	ug/L	95
35) ethyl acetate	3.419	45	27183	48.7321	ug/L #	73
36) 2,2-dichloropropane	3.438	77	180971	51.3427	ug/L	96
37) cis-1,2-dichloroethene	3.428	96	117069	51.4453	ug/L	99
38) propionitrile	3.451	54	284027	462.3699	ug/L	100
39) methyl acrylate	3.457	85	25506	53.1109	ug/L #	94
40) bromochloromethate	3.585	128	52458	52.3472	ug/L	88

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\adriana2\VL11481\
Data File : L374037.d
Acq On : 24 Oct 2025 11:58 am
Operator : BridgetK
Sample : bs Inst : GCMSL
Misc : MS98250,VL11481,5,,,,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 27 04:55:56 2025
Quant Method : C:\msdchem\1\data\adriana2\VL11481\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 13:39:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) tetrahydrofuran	3.595	72	27146	48.3131	ug/L		96
42) chloroform	3.640	83	208253	47.9685	ug/L		95
44) methacrylonitrile	3.550	67	64353	49.1218	ug/L		88
45) 1,1,1-trichloroethane	3.765	97	182790	53.1726	ug/L		98
46) cyclohexane	3.820	84	183696	64.3066	ug/L		90
47) 1,1-dichloropropene	3.871	75	157474	56.4861	ug/L		98
48) carbon tetrachloride	3.871	117	149901	53.4944	ug/L		98
49) isopropyl acetate	4.003	87	30708	49.3784	ug/L	#	79
50) tert amyl alcohol	3.977	55	49679	204.0556	ug/L		92
53) tert-amyl methyl ether	4.076	73	326023	51.1214	ug/L		99
54) 2,2,4-trimethylpentane	4.076	57	271529	57.2080	ug/L		95
55) n-butyl alcohol	4.356	56	402631	2148.1218	ug/L		98
56) benzene	4.009	78	438133	51.3904	ug/L		99
57) heptane	4.186	57	57997	57.6399	ug/L		95
58) 1,2-dichloroethane	4.038	62	163700	50.4417	ug/L		97
59) trichloroethene	4.465	95	117758	54.8611	ug/L		98
60) ethyl acrylate	4.497	55	179518	46.7309	ug/L		97
61) 2-nitropropane	5.001	41	53907	47.2926	ug/L		95
62) 2-chloroethyl vinyl ether	5.039	63	181700	246.1700	ug/L		100
63) methyl methacrylate	4.673	100	35366	49.7031	ug/L	#	83
64) 1,2-dichloropropane	4.654	63	109624	50.3736	ug/L		99
65) methylcyclohexane	4.641	83	170380	57.9038	ug/L		97
66) dibromomethane	4.718	93	75406	50.2932	ug/L		96
67) bromodichloromethane	4.840	83	151905	48.9119	ug/L		99
68) cis-1,3-dichloropropene	5.171	75	174134	50.0189	ug/L		99
69) epichlorohydrin	5.084	57	104388	235.2188	ug/L		99
70) 4-methyl-2-pentanone	5.273	58	247098	180.6058	ug/L		97
71) 3-methyl-1-butanol	5.309	70	153781	878.0980	ug/L		95
74) toluene	5.443	92	265111	51.8183	ug/L		96
75) trans-1,3-dichloropropene	5.620	75	165830	51.9861	ug/L		99
76) ethyl methacrylate	5.649	69	152088	47.1876	ug/L		98
77) 1,1,2-trichloroethane	5.784	83	87163	51.3855	ug/L		95
78) 2-hexanone	5.954	58	266548	183.3330	ug/L		97
79) tetrachloroethene	5.867	166	111939	54.4712	ug/L		98
80) 1,3-dichloropropane	5.922	76	170902	52.2787	ug/L		99
81) butyl acetate	6.043	56	87285	45.5602	ug/L		97
82) dibromochloromethane	6.104	129	107005	48.9099	ug/L		99
83) 1,2-dibromoethane	6.210	107	108893	52.8382	ug/L		99
84) n-butyl ether	6.705	57	422917	49.1066	ug/L		98
85) chlorobenzene	6.634	112	267950	49.8808	ug/L		99
86) 1,1,1,2-tetrachloroethane	6.708	131	96003	52.8120	ug/L		97
87) ethylbenzene	6.714	91	489190	52.1962	ug/L		99
88) m,p-xylene	6.830	106	377954	104.7135	ug/L		98
89) o-xylene	7.176	106	180144	51.0424	ug/L		98
90) butyl acrylate	7.122	55	236049	45.7242	ug/L		97
91) styrene	7.196	104	311858	52.6989	ug/L		98
92) bromoform	7.362	173	72963	46.9267	ug/L		98
93) n-amyl acetate	7.327	70	91326	47.2706	ug/L		93
94) isopropylbenzene	7.510	105	455012	53.4151	ug/L		99
95) cis-1,4-dichloro-2-butene	7.568	88	26150	36.0604	ug/L		92
98) bromobenzene	7.808	156	111199	49.9446	ug/L		98
99) 1,1,2,2-tetrachloroethane	7.799	83	149583	44.3488	ug/L		100
100) trans-1,4-dichloro-2-b...	7.837	53	23985	35.4755	ug/L	#	79
101) 1,2,3-trichloropropane	7.857	110	45695	45.3358	ug/L		94
102) n-propylbenzene	7.901	91	555206	51.5969	ug/L		99
103) 2-chlorotoluene	7.988	126	104282	49.9401	ug/L		97
104) 4-chlorotoluene	8.104	126	108900	49.1694	ug/L		93
105) 1,3,5-trimethylbenzene	8.072	105	391489	52.2682	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\adriana2\VL11481\
Data File : L374037.d
Acq On : 24 Oct 2025 11:58 am
Operator : BridgetK
Sample : bs Inst : GCMSL
Misc : MS98250,VL11481,5,,,,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 27 04:55:56 2025
Quant Method : C:\msdchem\1\data\adriana2\VL11481\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 13:39:16 2025
Response via : Initial Calibration

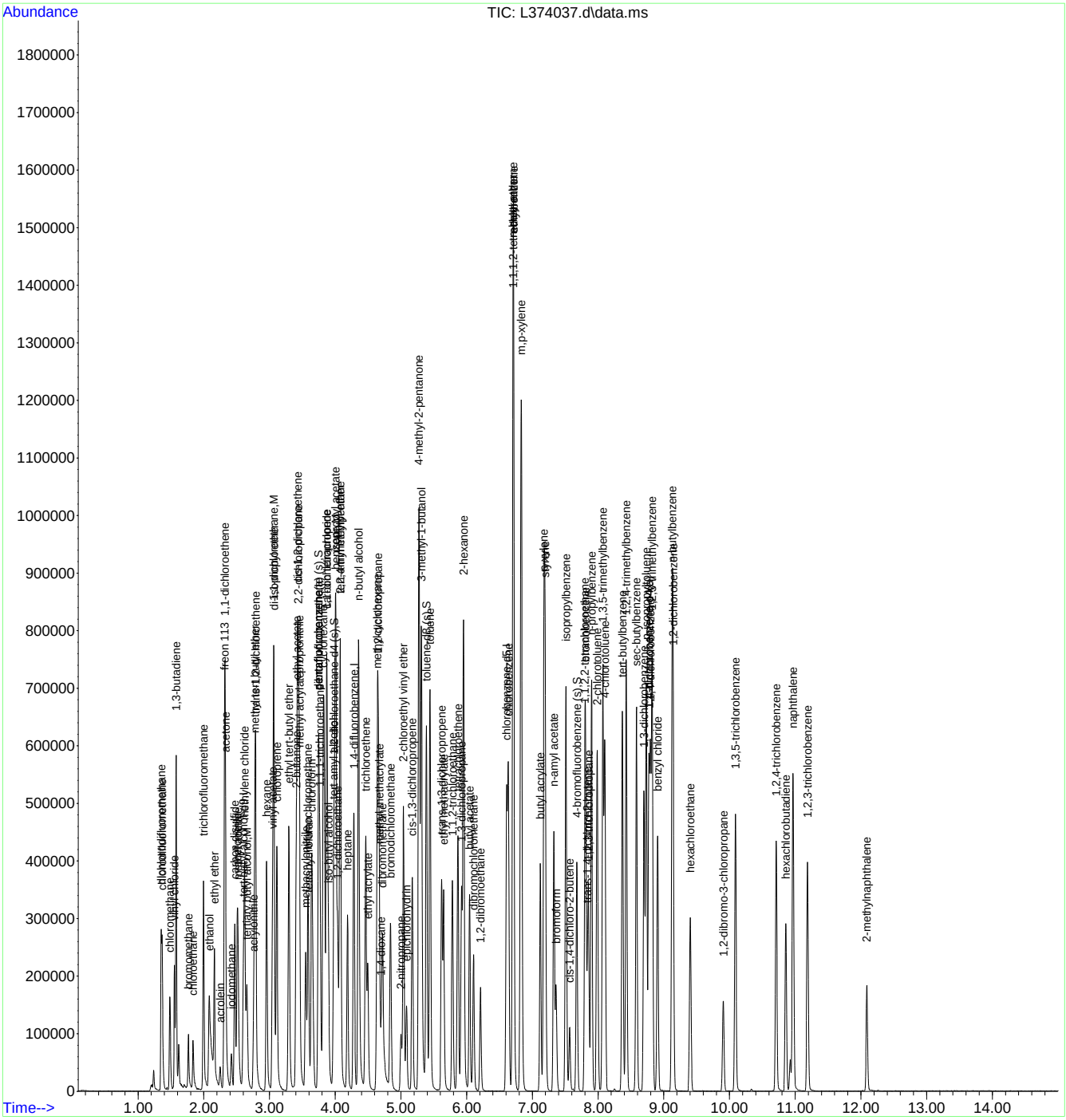
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
106) tert-butylbenzene	8.373	119	302687	51.2313	ug/L	100
107) 1,2,4-trimethylbenzene	8.428	105	396014	52.3414	ug/L	99
108) sec-butylbenzene	8.582	105	451049	52.5877	ug/L	100
109) 1,3-dichlorobenzene	8.700	146	206696	50.1999	ug/L	98
110) p-isopropyltoluene	8.733	119	377902	53.2940	ug/L	99
111) 1,4-dichlorobenzene	8.797	146	212149	49.8756	ug/L	98
112) 1,2,3-trimethylbenzene	8.822	105	403489	50.4809	ug/L	97
113) 1,2-dichlorobenzene	9.143	146	196440	49.6648	ug/L	96
114) n-butylbenzene	9.127	92	193324	54.7255	ug/L	99
115) 1,2-dibromo-3-chloropr...	9.907	157	40550	44.6339	ug/L	95
116) 1,3,5-trichlorobenzene	10.090	180	142728	56.0703	ug/L	99
117) 1,2,4-trichlorobenzene	10.709	180	125356	55.8756	ug/L	98
118) hexachlorobutadiene	10.857	225	51952	61.6223	ug/L	100
119) naphthalene	10.966	128	436622	52.4957	ug/L	99
120) 1,2,3-trichlorobenzene	11.187	180	115625	54.0836	ug/L	98
121) hexachloroethane	9.403	119	49902	46.1413	ug/L	98
122) benzyl chloride	8.906	91	310309	47.1550	ug/L	99
123) 2-methylnaphthalene	12.089	142	82922	25.8419	ug/L	95

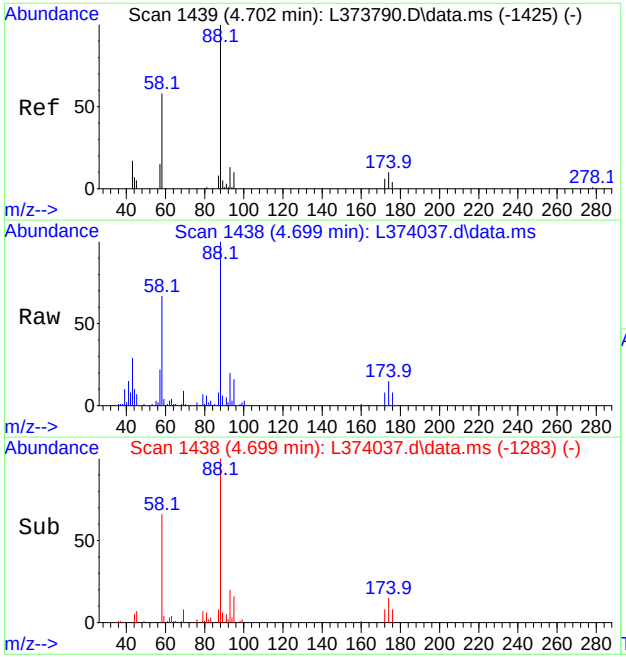
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\adriana2\VL11481\
Data File : L374037.d
Acq On : 24 Oct 2025 11:58 am
Operator : BridgetK
Sample : bs Inst : GCMSL
Misc : MS98250,VL11481,5,,,,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 27 04:55:56 2025
Quant Method : C:\msdchem\1\data\adriana2\VL11481\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 13:39:16 2025
Response via : Initial Calibration

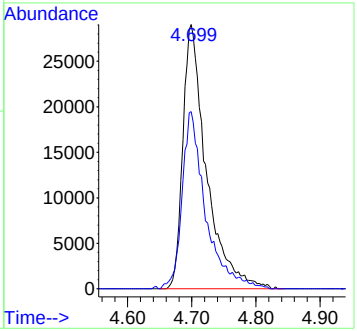


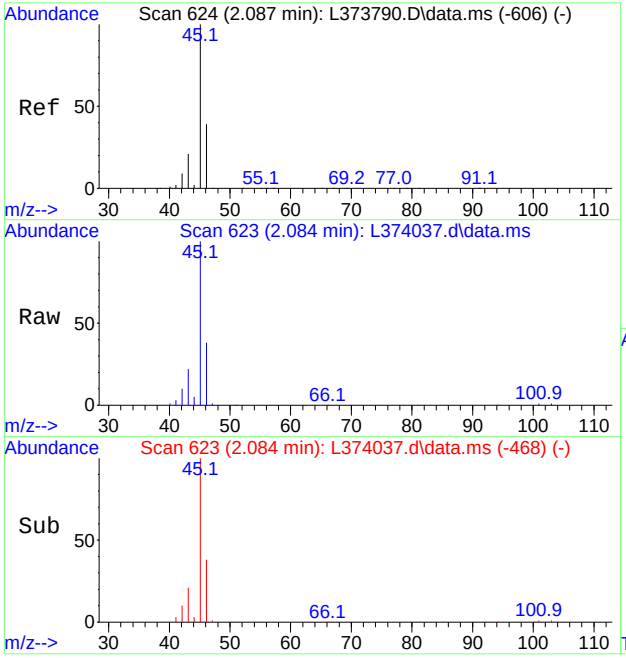


#2
1,4-dioxane
Concen: 1273.1325 ug/L
RT: 4.699 min Scan# 1438
Delta R.T. -0.003 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 88 Resp: 74054

Ion	Ratio	Lower	Upper
88	100		
58	67.0	29.1	89.1

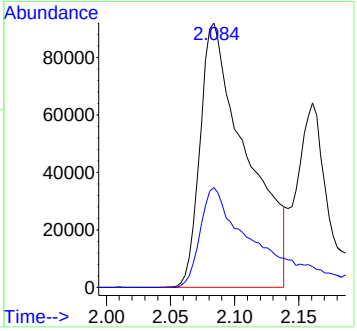


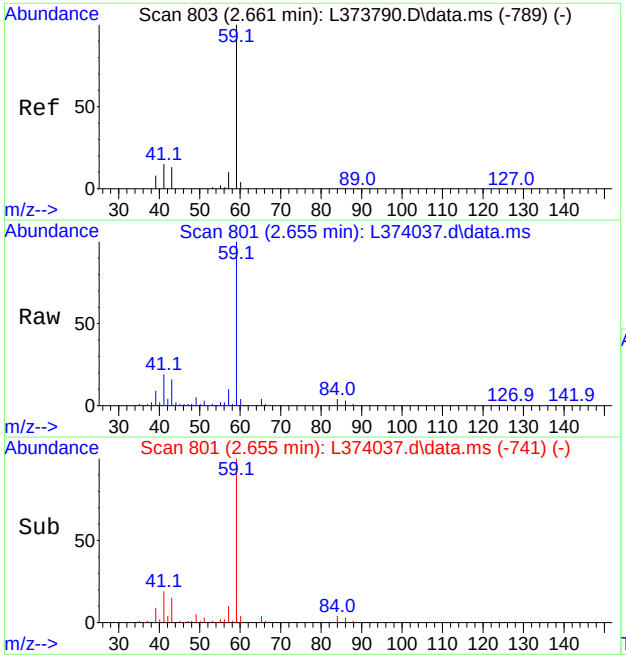


#3
ethanol
Concen: 5290.7836 ug/L
RT: 2.084 min Scan# 623
Delta R.T. -0.003 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 45 Resp: 232104

Ion	Ratio	Lower	Upper
45	100		
46	37.8	18.6	58.6

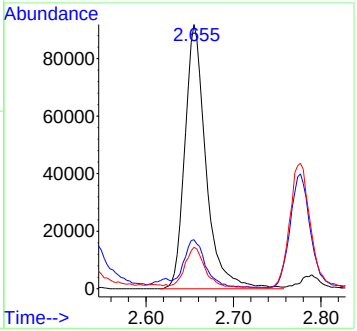


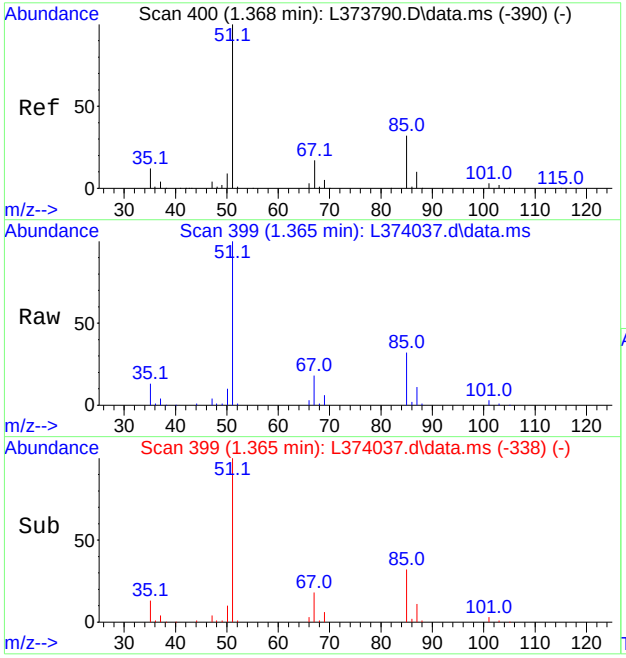


#4
tertiary butyl alcohol
Concen: 236.7857 ug/L
RT: 2.655 min Scan# 801
Delta R.T. -0.006 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 59 Resp: 154375

Ion	Ratio	Lower	Upper
59	100		
41	15.5	0.0	45.3
43	14.2	0.0	43.5

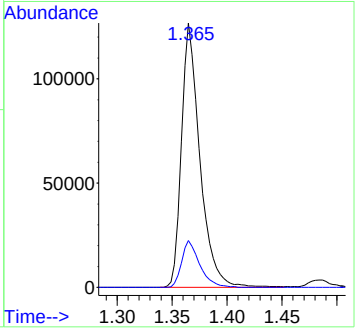


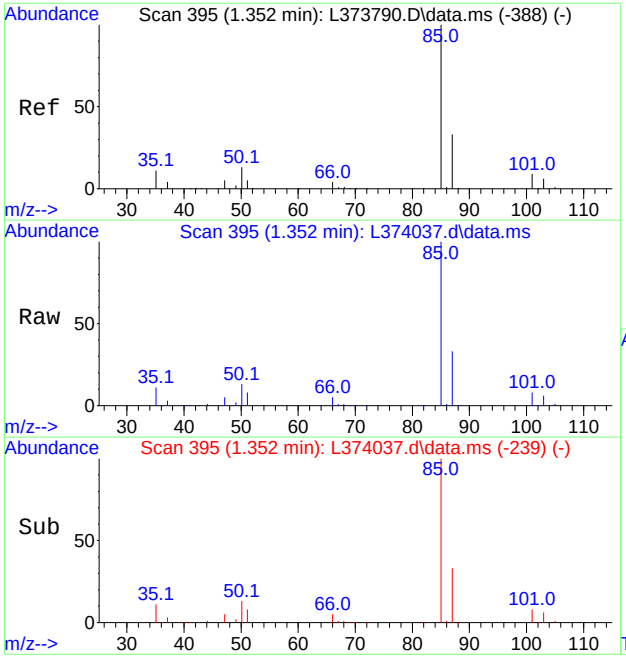


#6
chlorodifluoromethane
Concen: 52.1005 ug/L
RT: 1.365 min Scan# 399
Delta R.T. -0.003 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 51 Resp: 147690

Ion	Ratio	Lower	Upper
51	100		
67	17.7	0.0	37.0

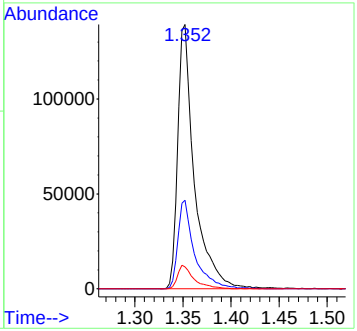


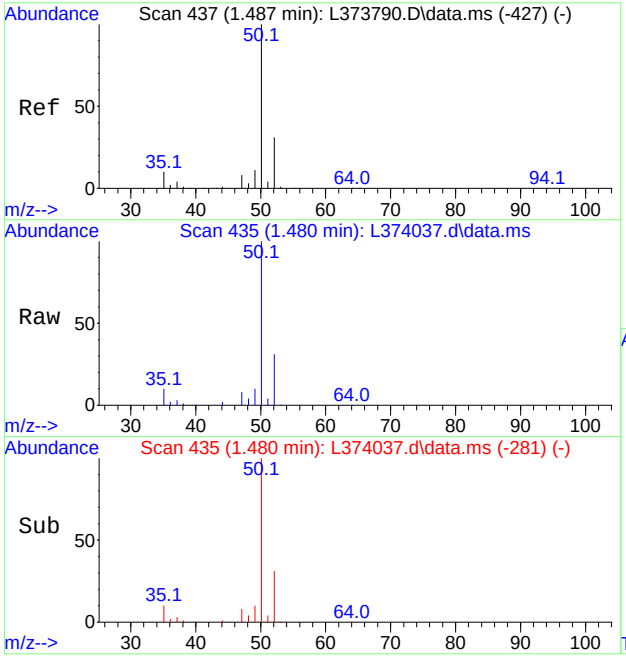


#7
dichlorodifluoromethane
Concen: 58.7970 ug/L
RT: 1.352 min Scan# 395
Delta R.T. 0.000 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 85 Resp: 168392

Ion	Ratio	Lower	Upper
85	100		
87	33.5	2.8	62.8
101	8.3	0.0	38.9

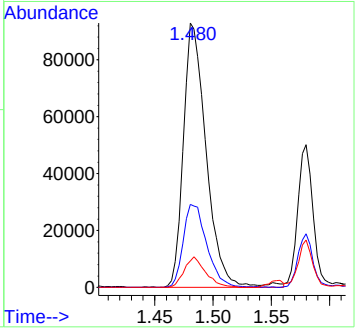




#8
chloromethane
Concen: 46.2036 ug/L
RT: 1.480 min Scan# 435
Delta R.T. -0.007 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

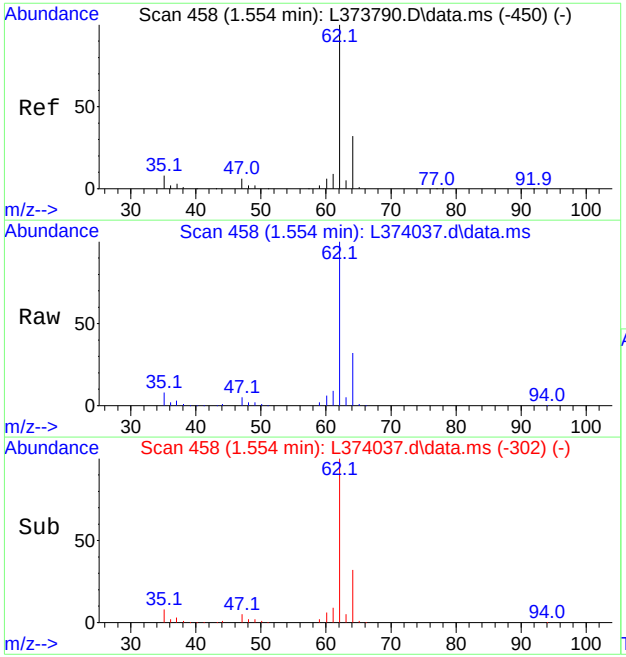
Tgt Ion: 50 Resp: 127001

Ion	Ratio	Lower	Upper
50	100		
52	31.4	1.5	61.5
49	10.0	0.0	41.1



7.3.1

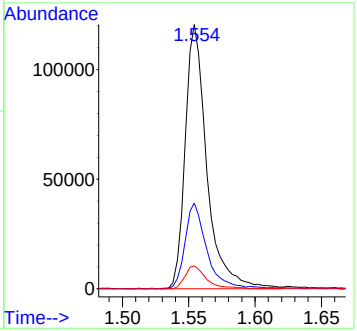
7

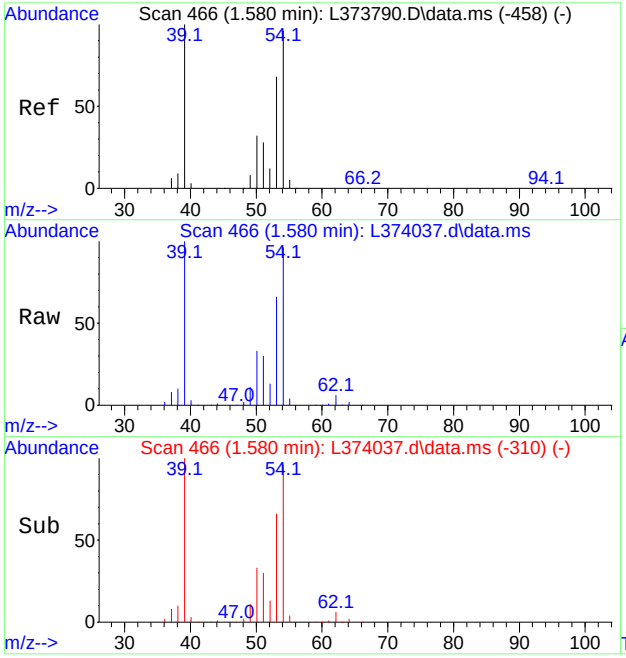


#9
vinyl chloride
Concen: 50.5295 ug/L
RT: 1.554 min Scan# 458
Delta R.T. 0.000 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 62 Resp: 137448

Ion	Ratio	Lower	Upper
62	100		
64	32.3	2.2	62.2
61	8.7	0.0	38.5

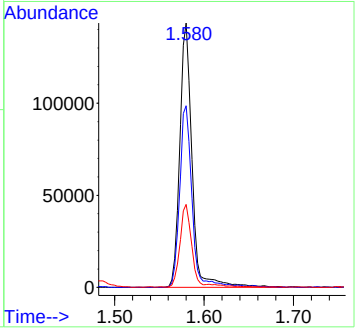


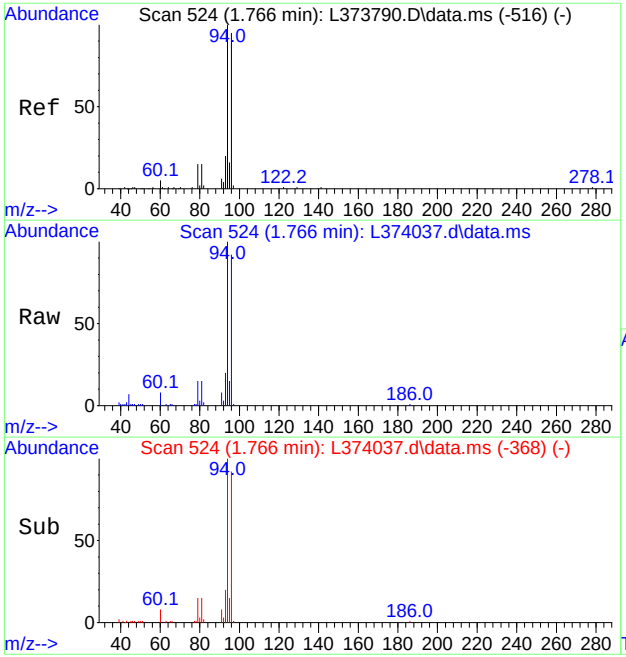


#10
1,3-butadiene
Concen: 54.5836 ug/L
RT: 1.580 min Scan# 466
Delta R.T. -0.000 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 54 Resp: 137363

Ion	Ratio	Lower	Upper
54	100		
53	68.7	40.7	100.7
51	31.4	0.0	59.5

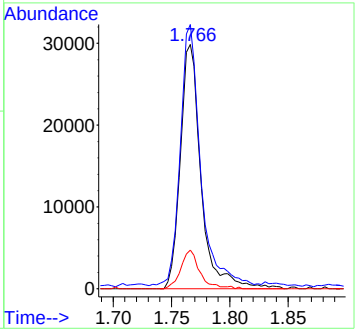


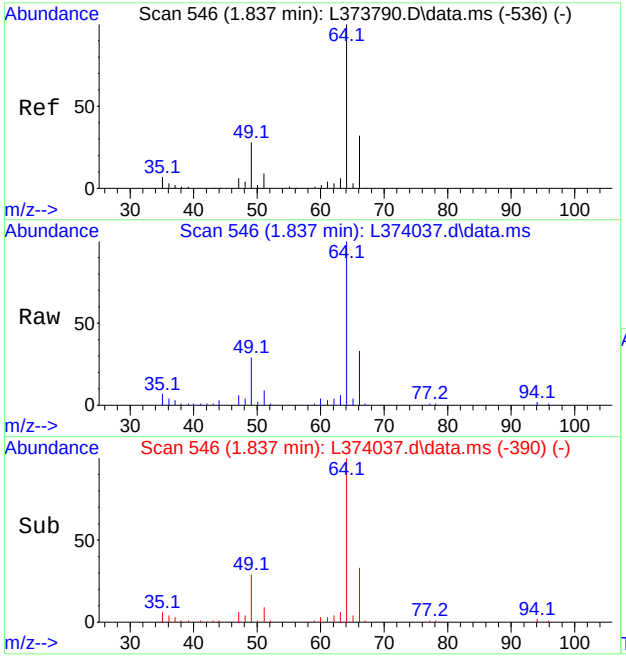


#11
bromomethane
Concen: 54.7590 ug/L
RT: 1.766 min Scan# 524
Delta R.T. 0.000 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 96 Resp: 37039

Ion	Ratio	Lower	Upper
96	100		
94	106.3	76.7	136.7
95	15.9	0.0	46.3

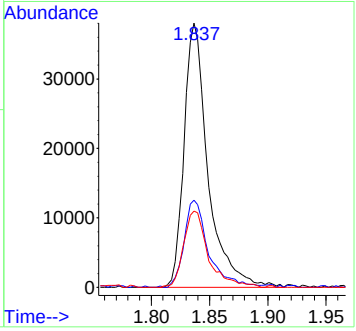


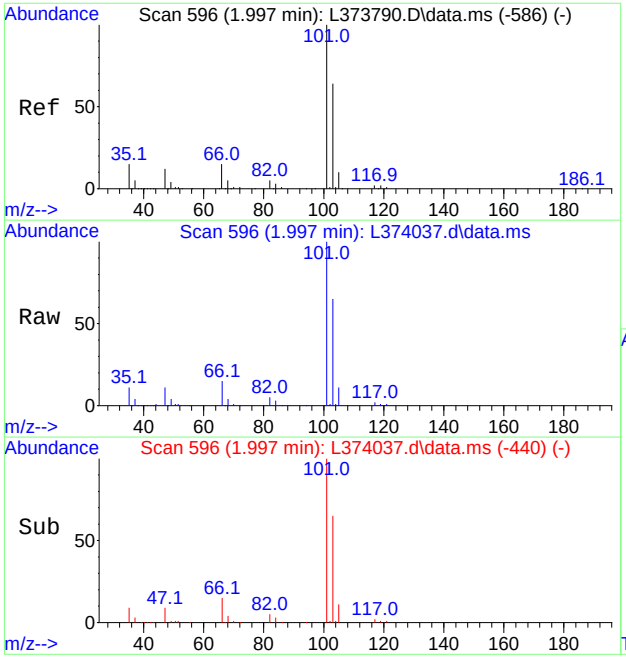


#12
chloroethane
Concen: 47.7608 ug/L
RT: 1.837 min Scan# 546
Delta R.T. -0.000 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 64 Resp: 54499

Ion	Ratio	Lower	Upper
64	100		
66	33.0	1.8	61.8
49	28.9	0.0	57.7

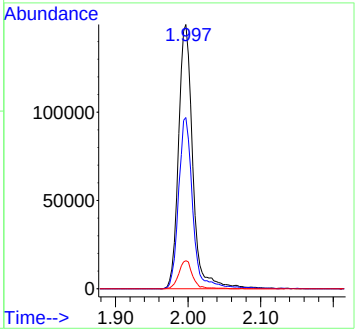


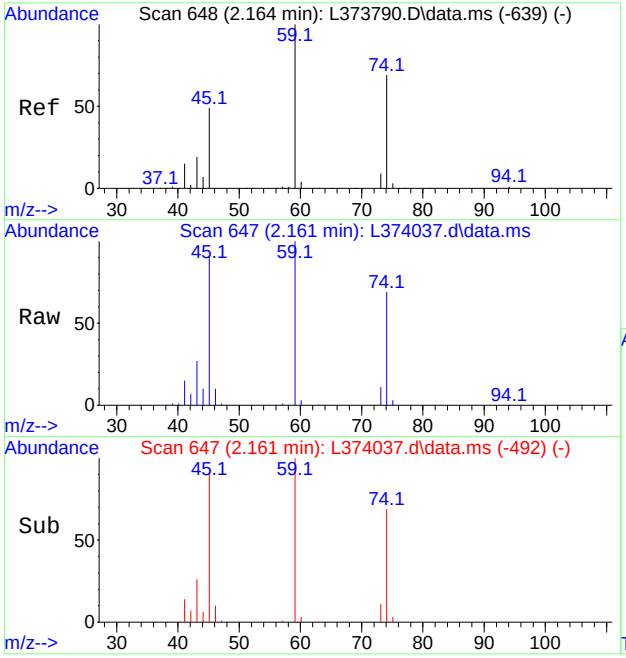


#13
trichlorofluoromethane
Concen: 59.2539 ug/L
RT: 1.997 min Scan# 596
Delta R.T. 0.000 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion:101 Resp: 204950

Ion	Ratio	Lower	Upper
101	100		
103	64.8	33.8	93.8
105	10.6	0.0	40.0

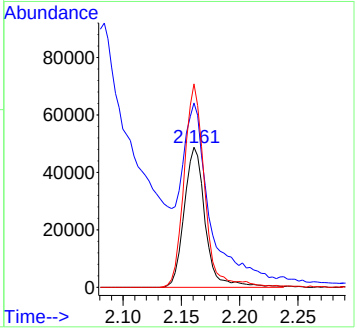


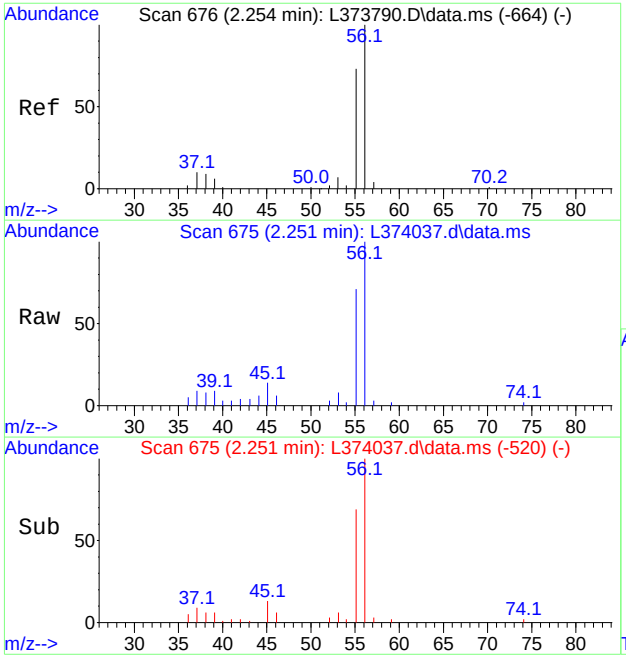


#14
ethyl ether
Concen: 53.4431 ug/L
RT: 2.161 min Scan# 647
Delta R.T. -0.003 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 74 Resp: 61567

Ion	Ratio	Lower	Upper
74	100		
45	123.9	102.0	162.0
59	145.1	114.2	174.2

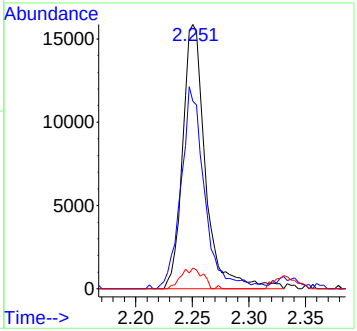


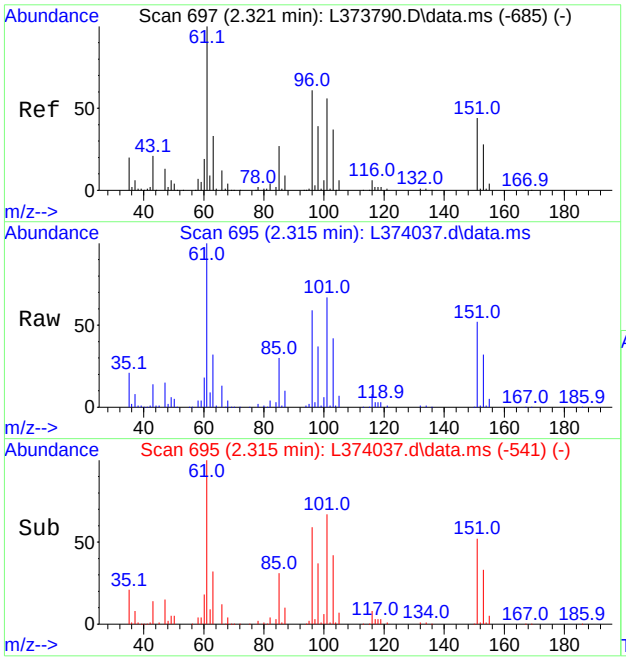


#15
acrolein
Concen: 45.3024 ug/L
RT: 2.251 min Scan# 675
Delta R.T. -0.003 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 56 Resp: 22362

Ion	Ratio	Lower	Upper
56	100		
55	69.4	42.9	102.9
53	7.8	0.0	38.0

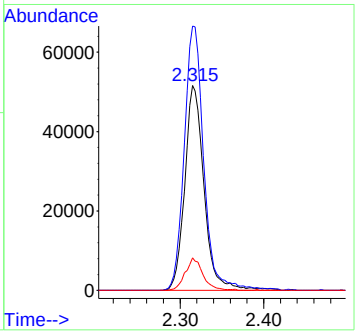


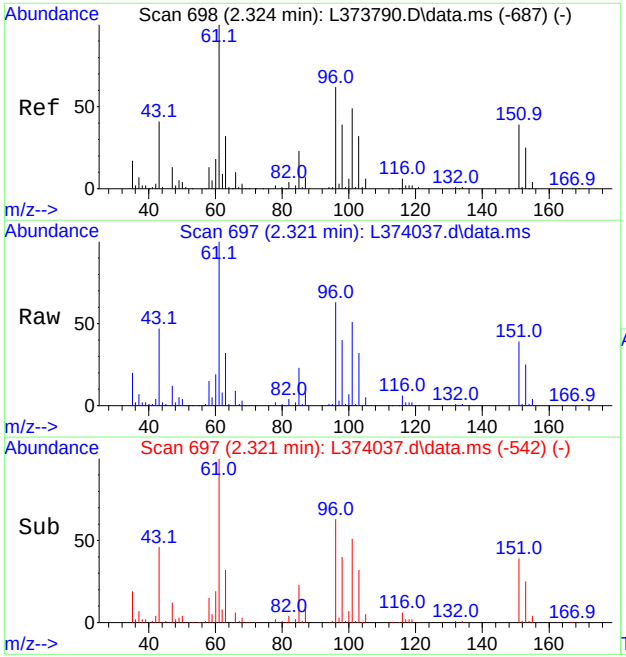


#16
freon 113
Concen: 56.9248 ug/L
RT: 2.315 min Scan# 695
Delta R.T. -0.006 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion:151 Resp: 82966

Ion	Ratio	Lower	Upper
151	100		
101	129.1	107.4	147.4
116	16.0	0.0	33.9

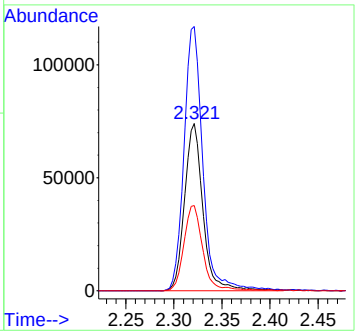


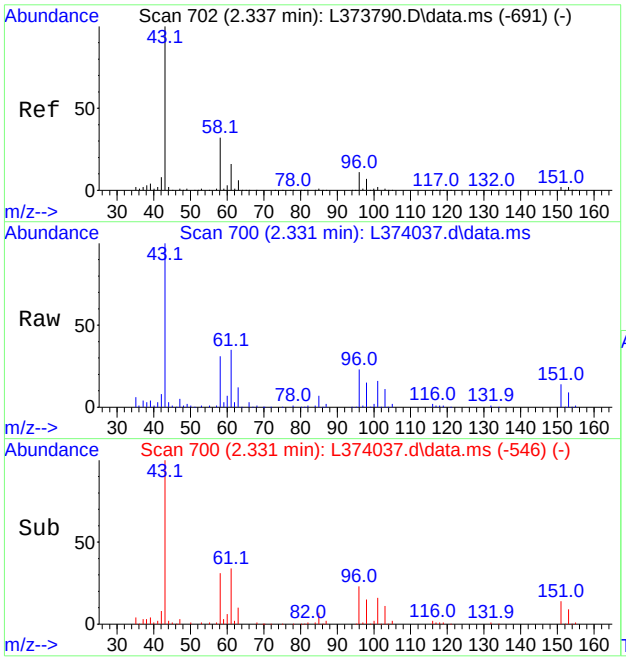


#17
1,1-dichloroethene
Concen: 54.4831 ug/L
RT: 2.321 min Scan# 697
Delta R.T. -0.003 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 96 Resp: 99239

Ion	Ratio	Lower	Upper
96	100		
61	157.9	131.4	191.4
63	50.9	22.3	82.3

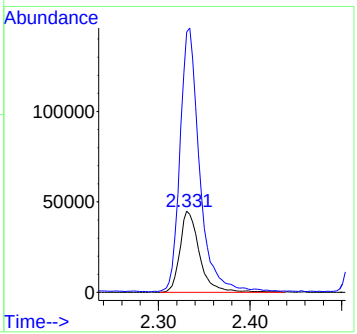


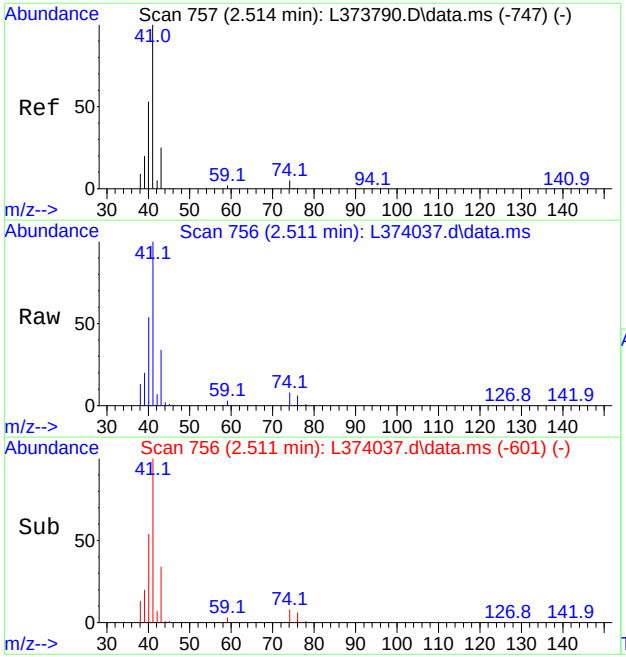


#18
acetone
Concen: 186.6177 ug/L
RT: 2.331 min Scan# 700
Delta R.T. -0.006 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 58 Resp: 66891

Ion	Ratio	Lower	Upper
58	100		
43	318.1	286.5	346.5

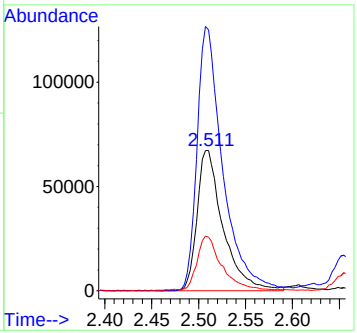


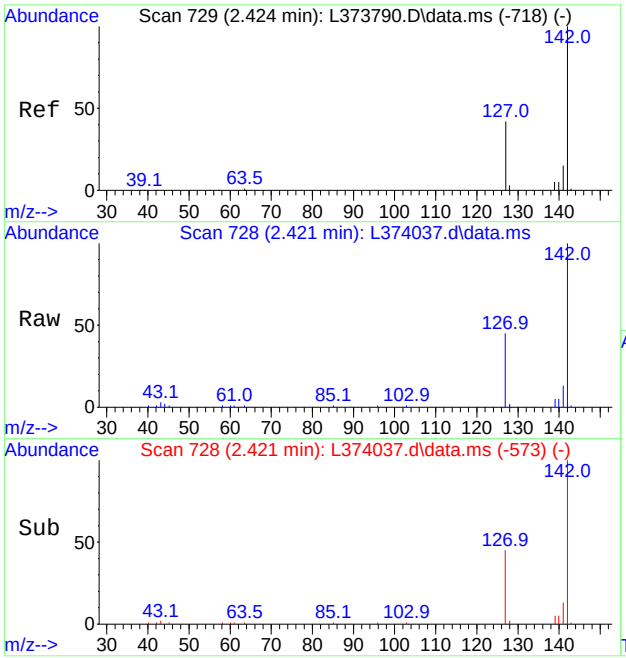


#19
acetonitrile
Concen: 460.8626 ug/L
RT: 2.511 min Scan# 756
Delta R.T. -0.003 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 40 Resp: 129443

Ion	Ratio	Lower	Upper
40	100		
41	185.8	158.5	218.5
39	37.5	8.2	68.2

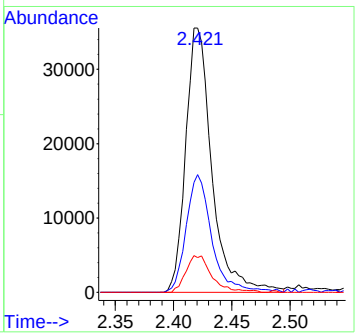


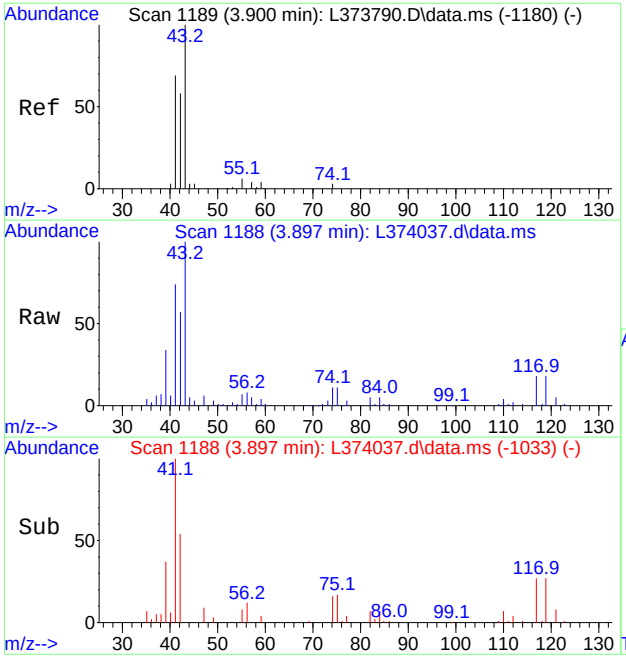


#20
iodomethane
Concen: 39.0351 ug/L
RT: 2.421 min Scan# 728
Delta R.T. -0.003 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion:142 Resp: 55665

Ion	Ratio	Lower	Upper
142	100		
127	44.5	12.2	72.2
141	13.2	0.0	44.6

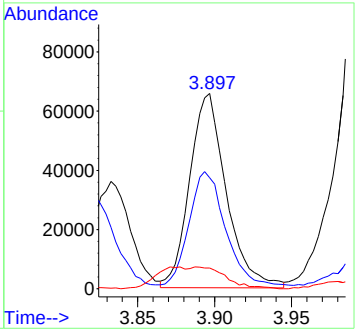


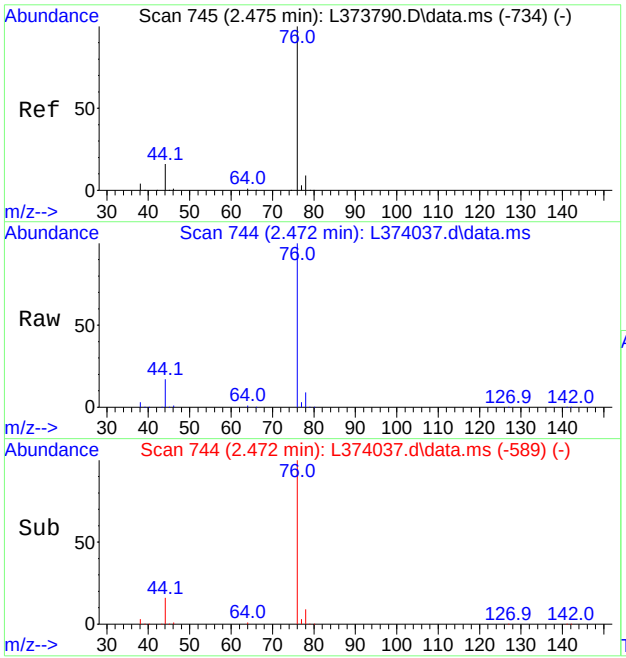


#21
iso-butyl alcohol
Concen: 447.0847 ug/L
RT: 3.897 min Scan# 1188
Delta R.T. -0.003 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 43 Resp: 108957

Ion	Ratio	Lower	Upper
43	100		
42	56.7	28.3	88.3
74	11.0	0.0	40.9

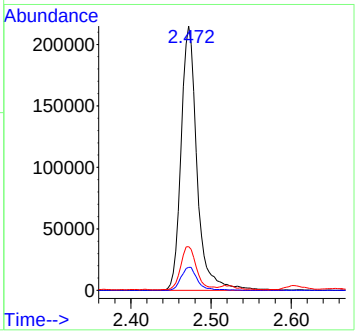


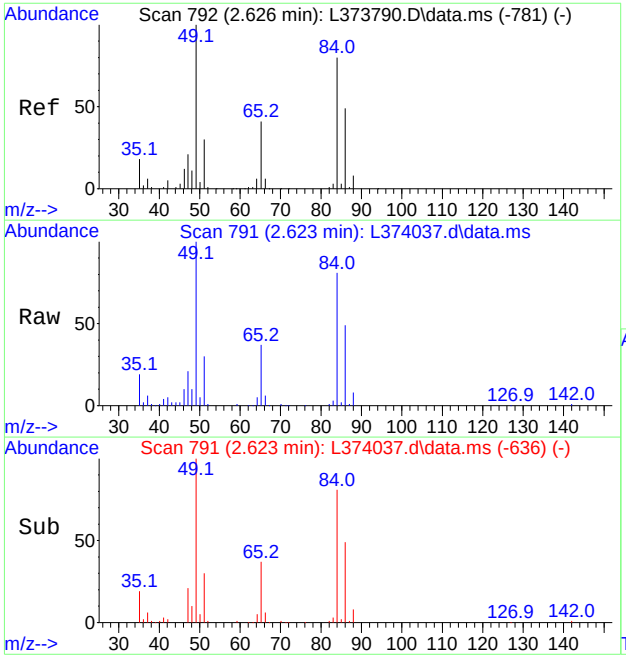


#22
carbon disulfide
Concen: 51.9893 ug/L
RT: 2.472 min Scan# 744
Delta R.T. -0.003 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 76 Resp: 297858

Ion	Ratio	Lower	Upper
76	100		
78	8.8	0.0	38.9
44	16.4	0.0	46.1

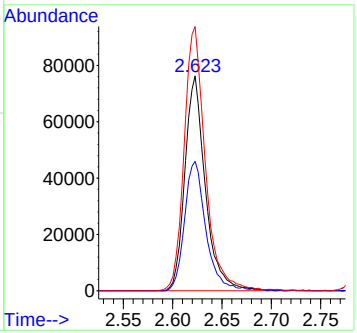


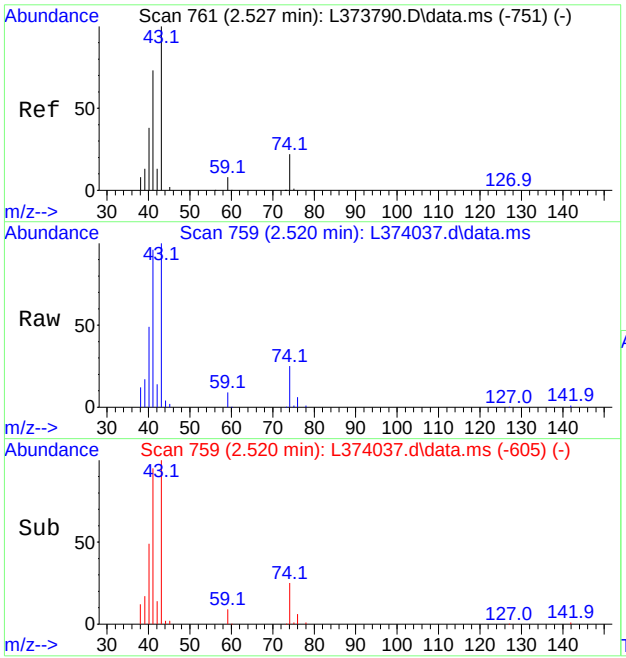


#23
methylene chloride
Concen: 49.3082 ug/L
RT: 2.623 min Scan# 791
Delta R.T. -0.003 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 84 Resp: 110844

Ion	Ratio	Lower	Upper
84	100		
86	60.3	31.2	91.2
49	122.7	95.6	155.6

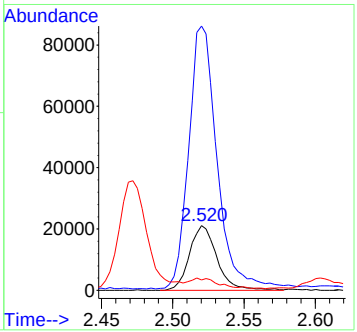


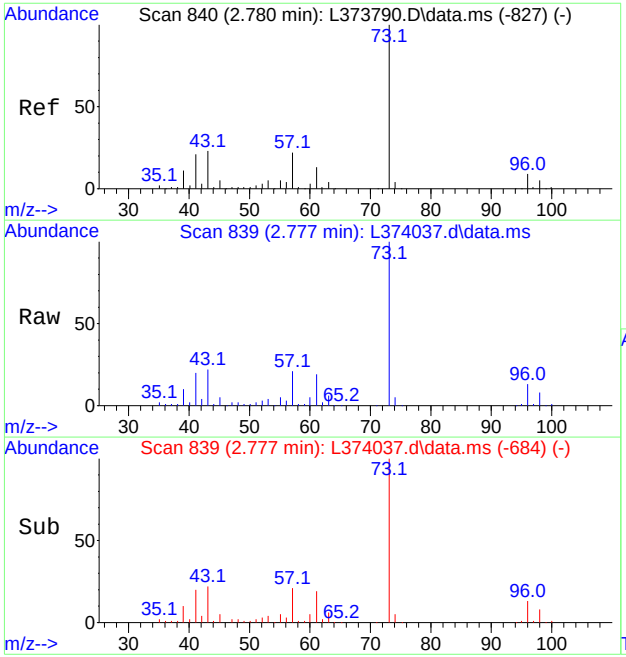


#24
methyl acetate
Concen: 50.2137 ug/L
RT: 2.520 min Scan# 759
Delta R.T. -0.007 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 74 Resp: 28433

Ion	Ratio	Lower	Upper
74	100		
43	405.0	417.7	477.7#
44	12.4	0.0	39.0

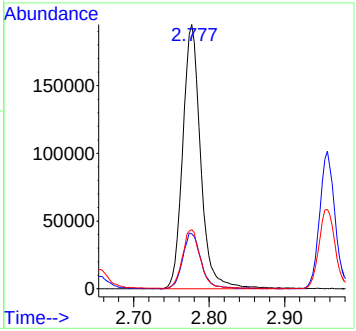


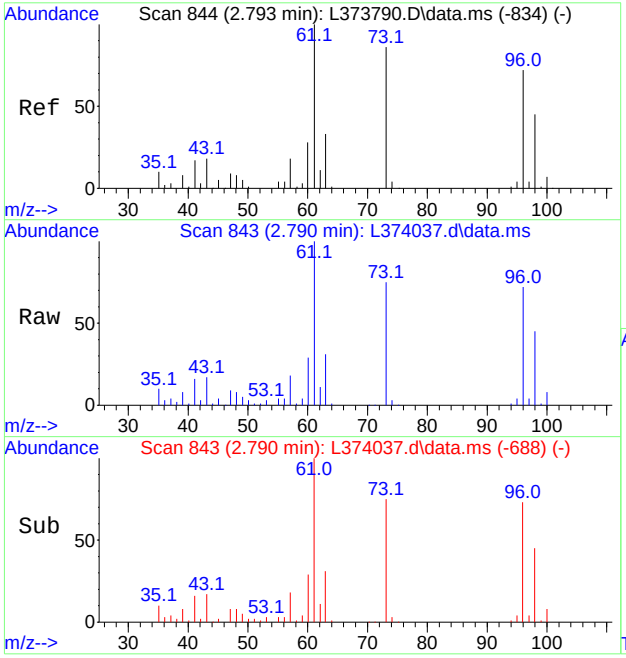


#25
methyl tert butyl ether
Concen: 53.5192 ug/L
RT: 2.777 min Scan# 839
Delta R.T. -0.003 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 73 Resp: 322488

Ion	Ratio	Lower	Upper
73	100		
57	20.8	0.0	52.4
43	22.2	0.0	52.7

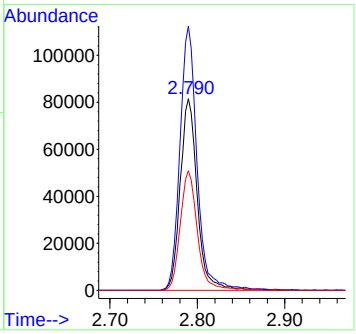


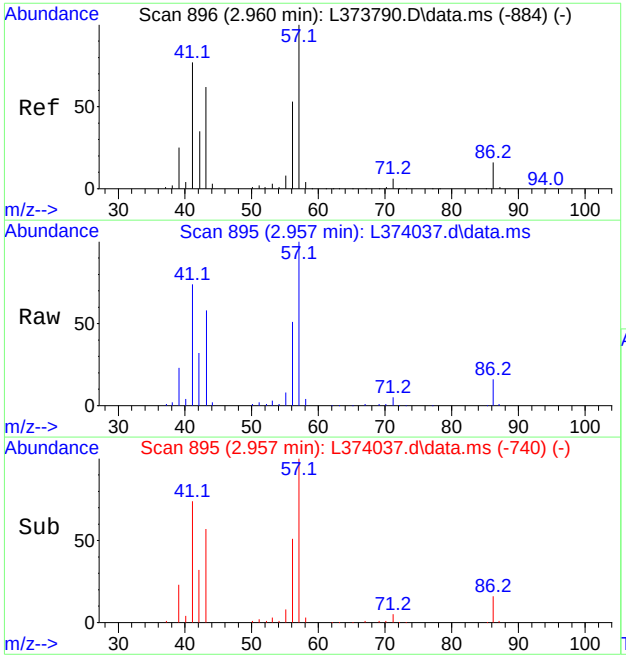


#26
trans-1,2-dichloroethene
Concen: 53.4882 ug/L
RT: 2.790 min Scan# 843
Delta R.T. -0.003 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 96 Resp: 110778

Ion	Ratio	Lower	Upper
96	100		
61	138.0	109.1	169.1
98	62.5	32.0	92.0

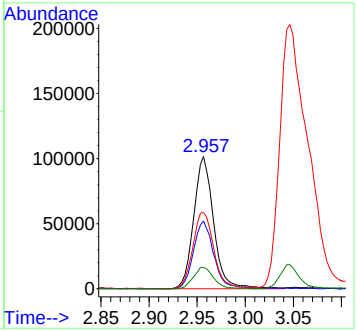


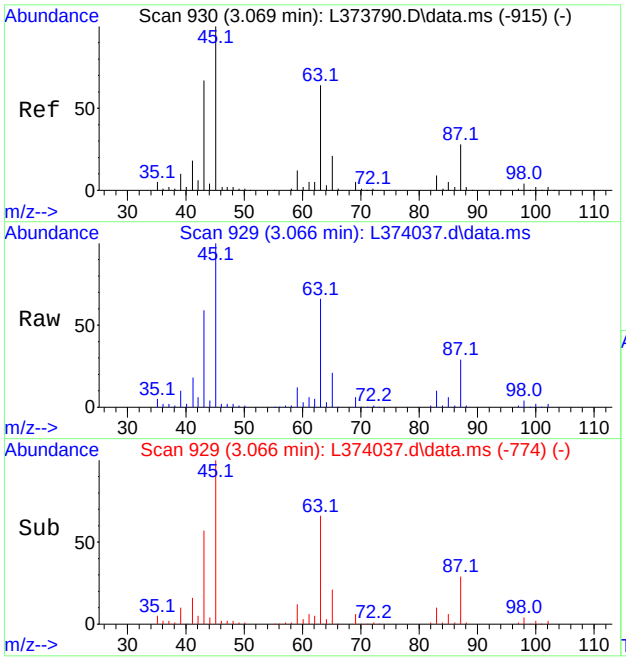


#27
hexane
Concen: 57.5697 ug/L
RT: 2.957 min Scan# 895
Delta R.T. -0.003 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 57 Resp: 147285

Ion	Ratio	Lower	Upper
57	100		
56	51.3	32.9	72.9
43	57.3	41.9	81.9
86	16.2	0.0	36.3

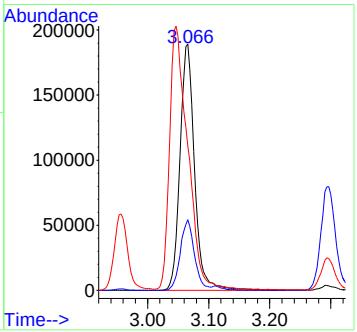


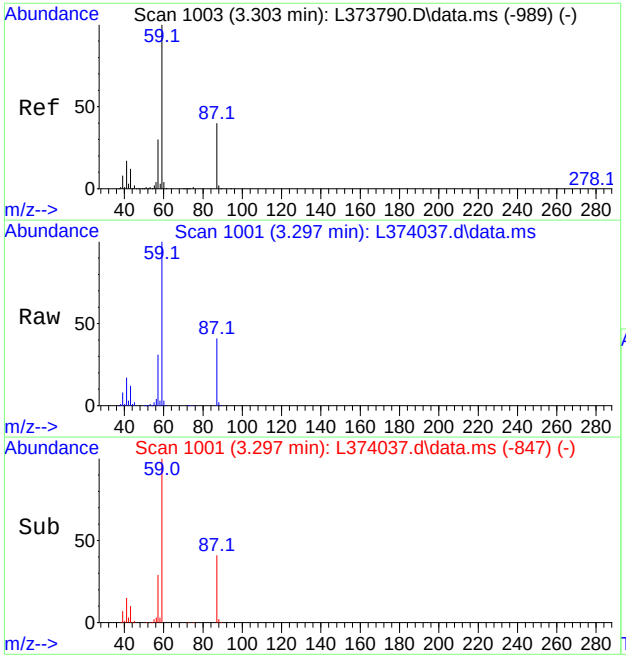


#28
di-isopropyl ether
Concen: 49.6944 ug/L
RT: 3.066 min Scan# 929
Delta R.T. -0.003 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 45 Resp: 313442

Ion	Ratio	Lower	Upper
45	100		
87	28.6	0.0	57.5
43	58.2	37.5	97.5

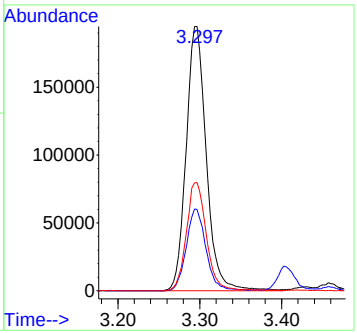


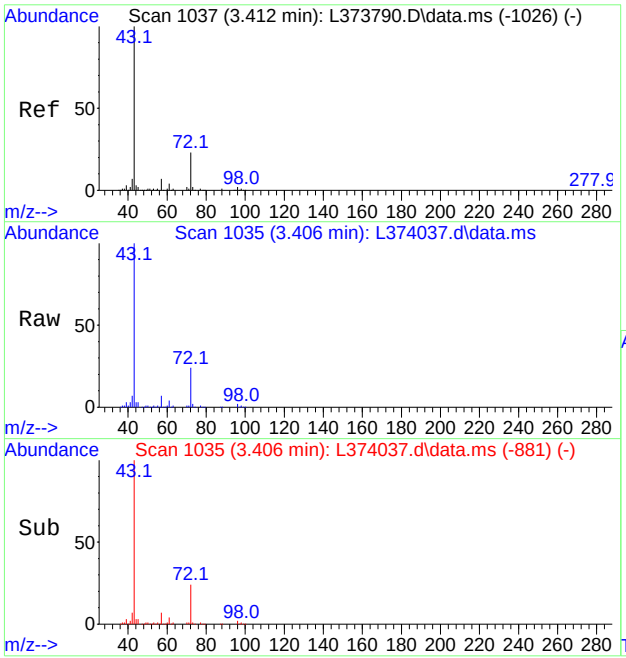


#29
ethyl tert-butyl ether
Concen: 51.5719 ug/L
RT: 3.297 min Scan# 1001
Delta R.T. -0.006 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 59 Resp: 334114

Ion	Ratio	Lower	Upper
59	100		
57	30.8	0.3	60.3
87	40.9	9.6	69.6

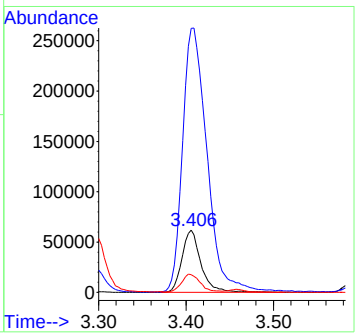


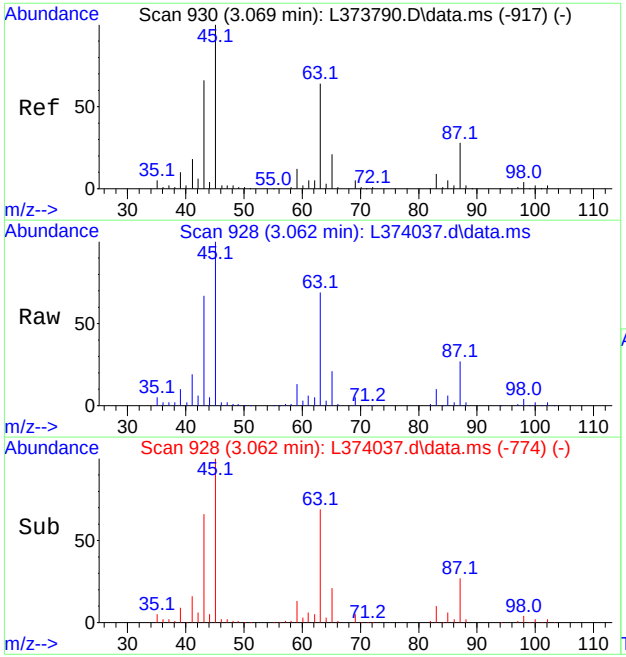


#30
2-butanone
Concen: 207.7467 ug/L
RT: 3.406 min Scan# 1035
Delta R.T. -0.006 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 72 Resp: 93671

Ion	Ratio	Lower	Upper
72	100		
43	422.8	411.9	471.9
57	28.3	2.4	62.4

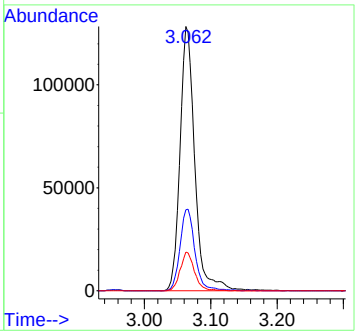


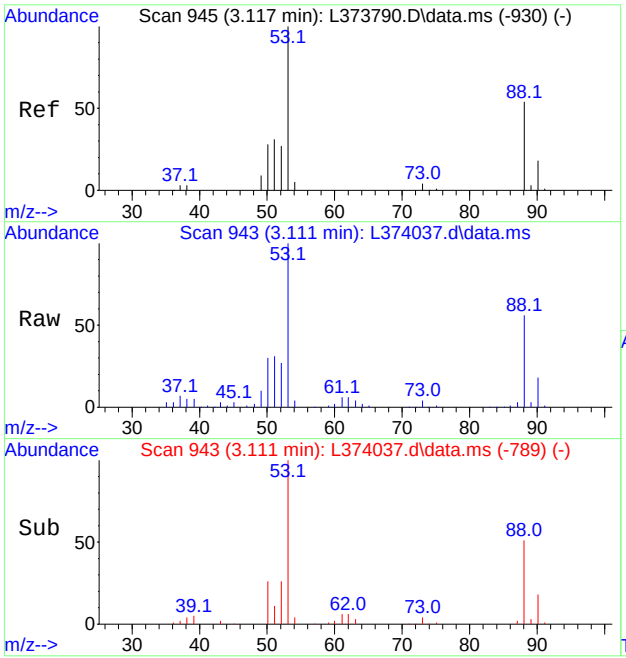


#31
1,1-dichloroethane
Concen: 50.8895 ug/L
RT: 3.062 min Scan# 928
Delta R.T. -0.007 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 63 Resp: 199090

Ion	Ratio	Lower	Upper
63	100		
65	30.7	2.5	62.5
83	14.6	0.0	43.5

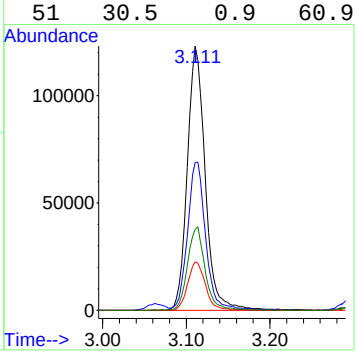


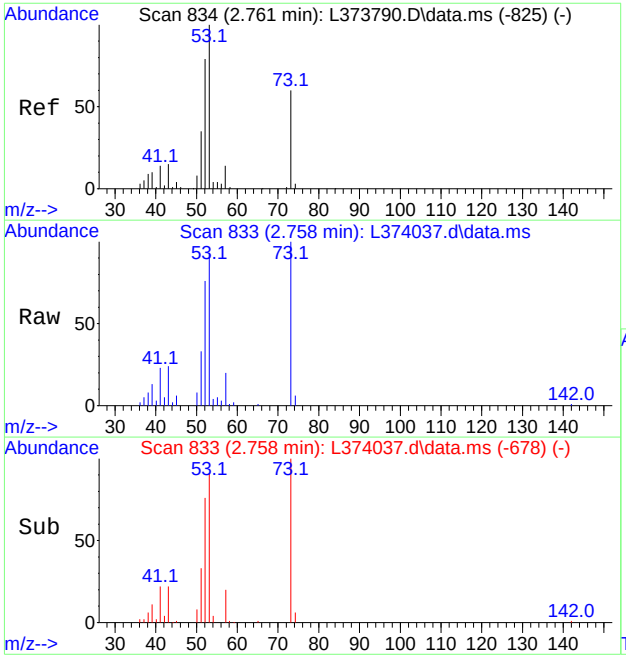


#32
chloroprene
Concen: 54.6372 ug/L
RT: 3.111 min Scan# 943
Delta R.T. -0.006 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 53 Resp: 183900

Ion	Ratio	Lower	Upper
53	100		
88	55.9	26.2	86.2
90	18.4	0.0	47.9
51	30.5	0.9	60.9

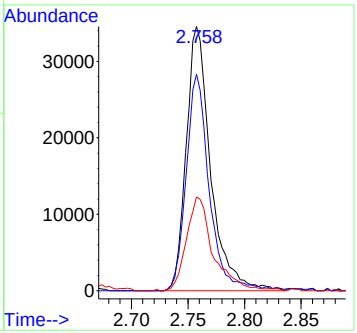


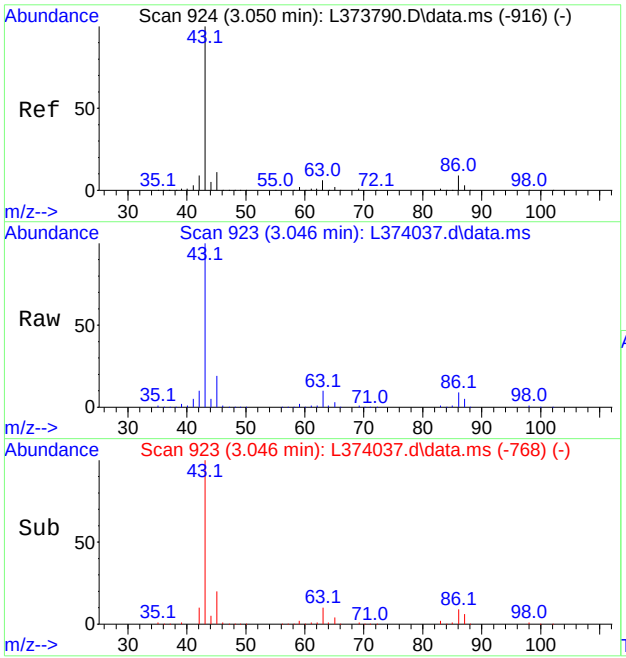


#33
acrylonitrile
Concen: 48.1056 ug/L
RT: 2.758 min Scan# 833
Delta R.T. -0.003 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 53 Resp: 51942

Ion	Ratio	Lower	Upper
53	100		
52	81.9	48.8	108.8
51	35.6	4.6	64.6

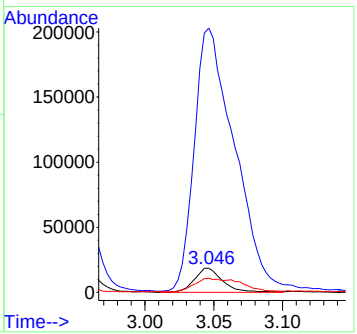


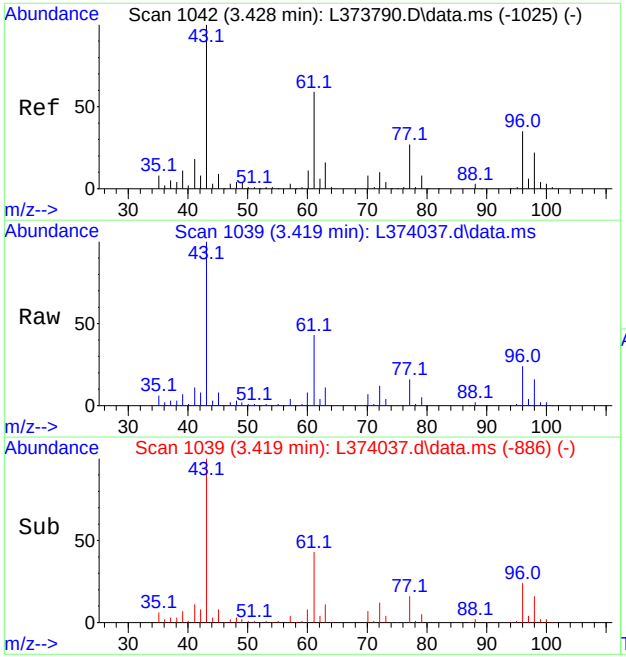


#34
vinyl acetate
Concen: 52.4084 ug/L
RT: 3.046 min Scan# 923
Delta R.T. -0.004 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 86 Resp: 26829

Ion	Ratio	Lower	Upper
86	100		
43	1082.7	1076.3	1136.3
44	54.4	23.6	83.6

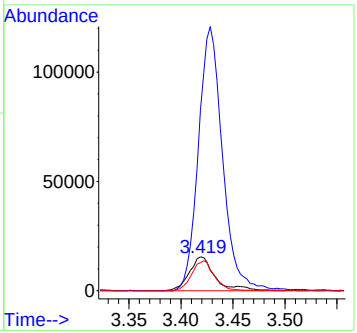


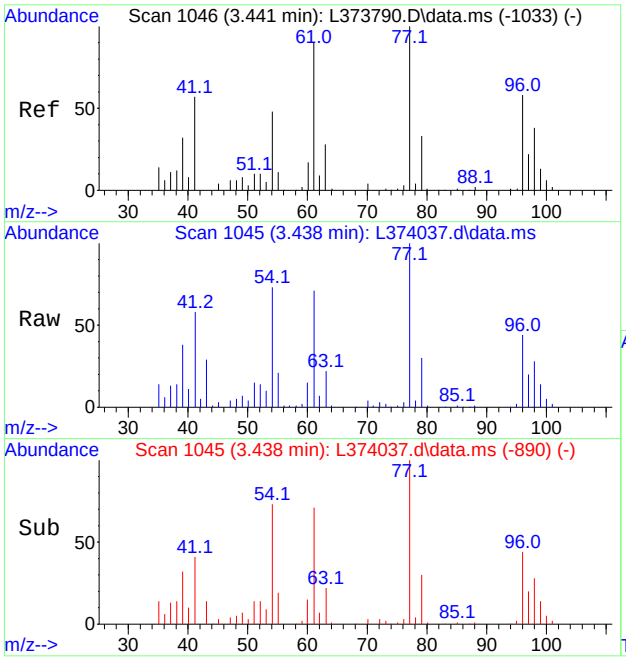


#35
ethyl acetate
Concen: 48.7321 ug/L
RT: 3.419 min Scan# 1039
Delta R.T. -0.009 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 45 Resp: 27183

Ion	Ratio	Lower	Upper
45	100		
61	530.0	598.6	658.6#
70	82.7	53.6	113.6

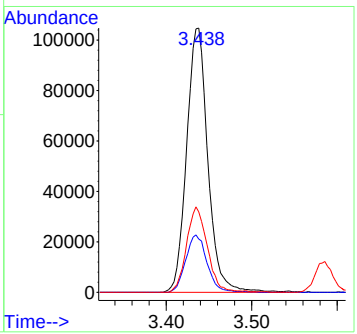


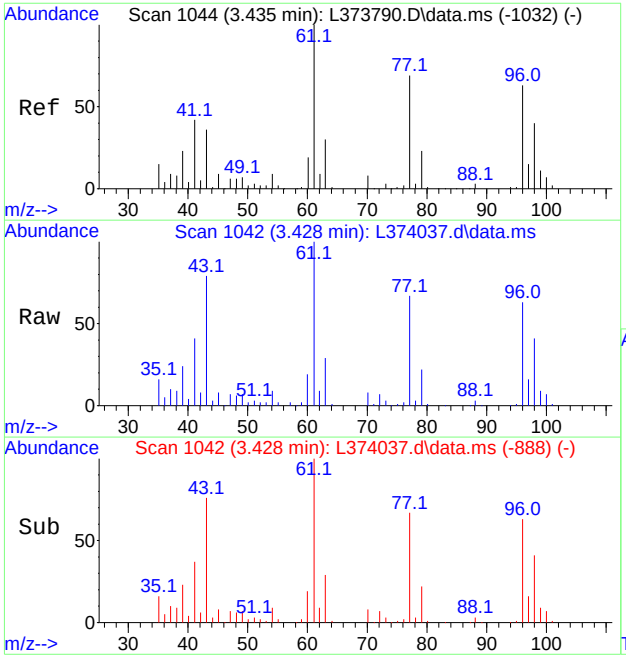


#36
2,2-dichloropropane
Concen: 51.3427 ug/L
RT: 3.438 min Scan# 1045
Delta R.T. -0.003 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 77 Resp: 180971

Ion	Ratio	Lower	Upper
77	100		
97	20.2	0.0	52.3
79	30.5	3.0	63.0

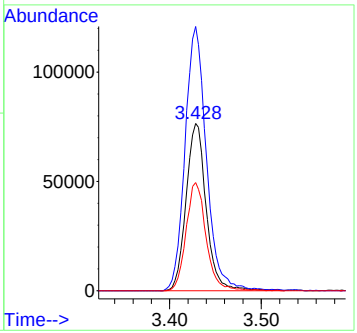


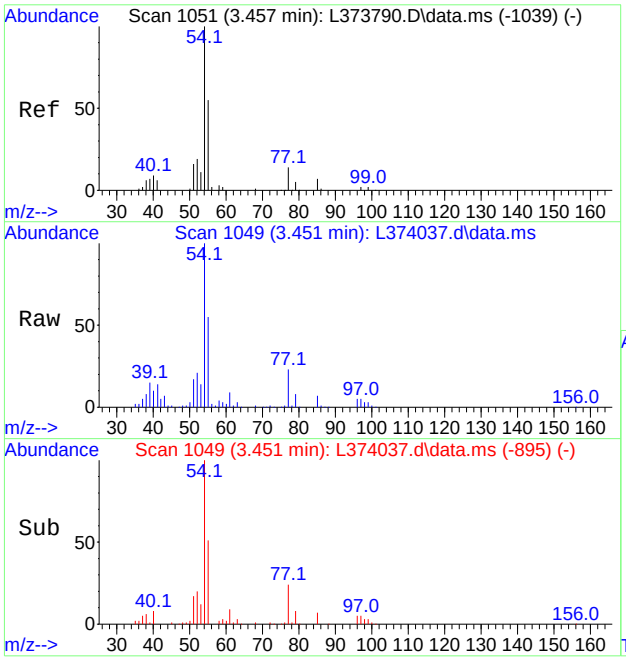


#37
cis-1,2-dichloroethene
Concen: 51.4453 ug/L
RT: 3.428 min Scan# 1042
Delta R.T. -0.007 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 96 Resp: 117069

Ion	Ratio	Lower	Upper
96	100		
61	158.0	128.7	188.7
98	64.7	34.1	94.1

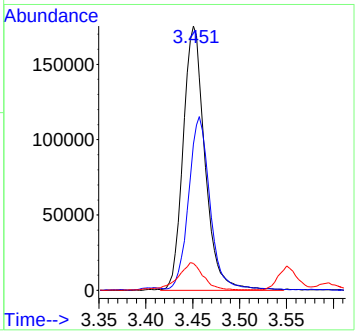


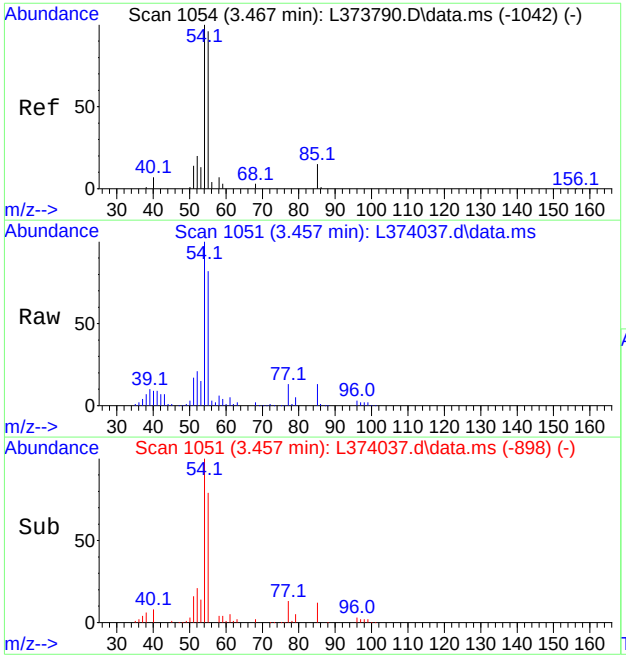


#38
propionitrile
Concen: 462.3699 ug/L
RT: 3.451 min Scan# 1049
Delta R.T. -0.006 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 54 Resp: 284027

Ion	Ratio	Lower	Upper
54	100		
55	55.1	25.4	85.4
40	9.2	0.0	39.0

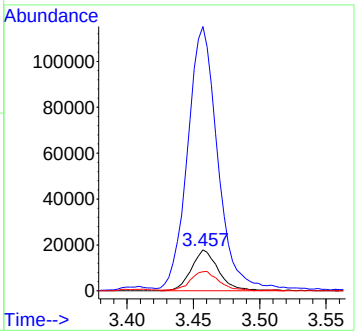


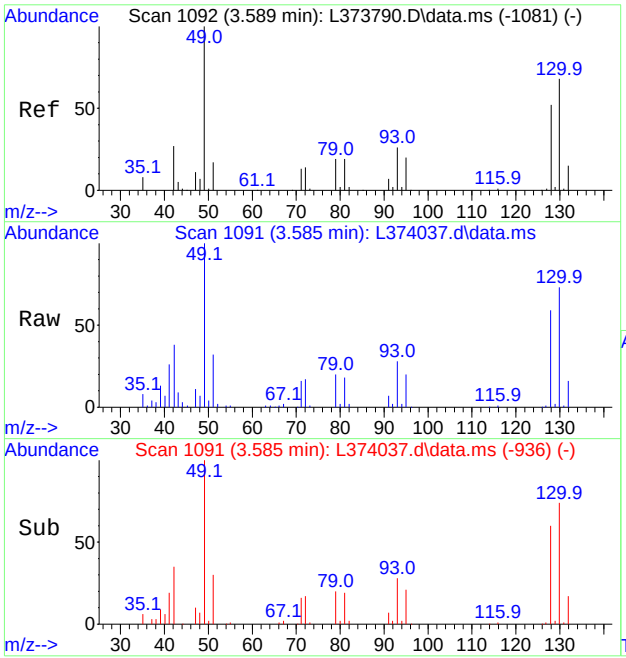


#39
methyl acrylate
Concen: 53.1109 ug/L
RT: 3.457 min Scan# 1051
Delta R.T. -0.010 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 85 Resp: 25506

Ion	Ratio	Lower	Upper
85	100		
55	638.0	639.4	679.4#
58	46.4	29.8	69.8

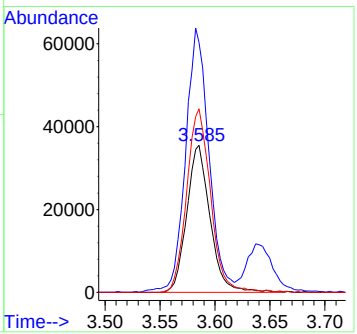


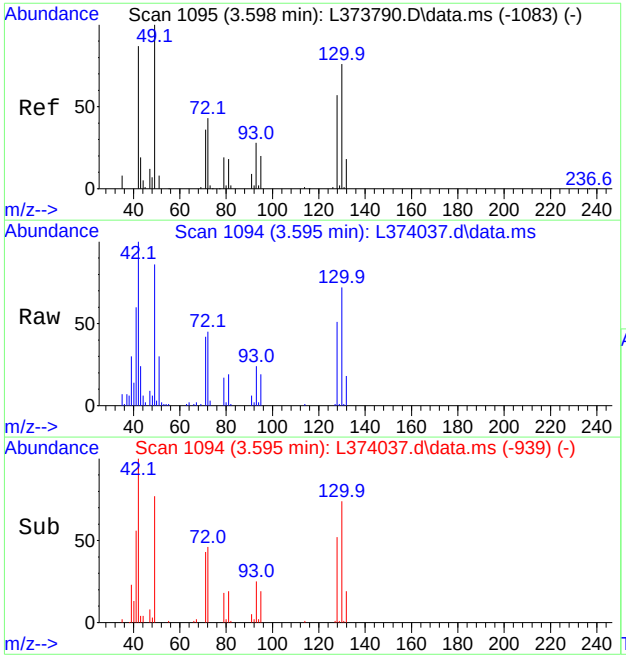


#40
bromochloromethane
Concen: 52.3472 ug/L
RT: 3.585 min Scan# 1091
Delta R.T. -0.004 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion:128 Resp: 52458

Ion	Ratio	Lower	Upper
128	100		
49	167.3	163.3	223.3
130	124.8	100.3	160.3

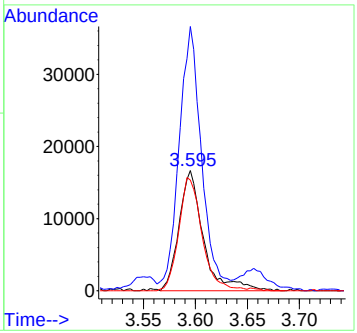


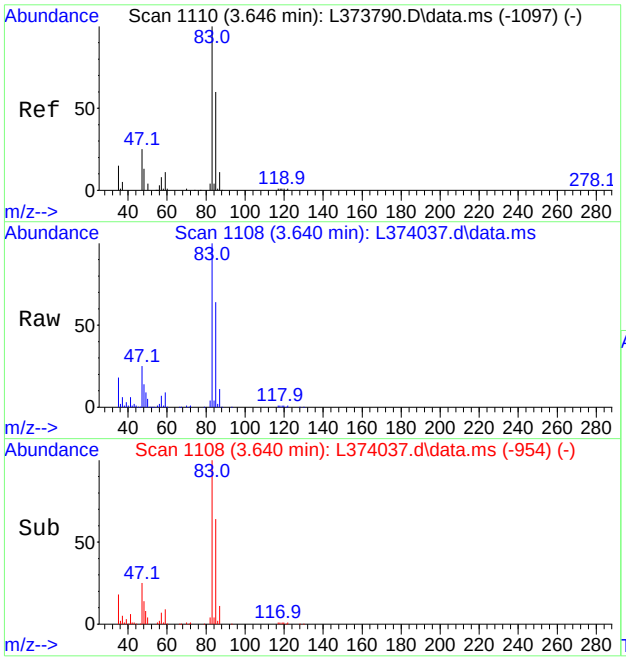


#41
tetrahydrofuran
Concen: 48.3131 ug/L
RT: 3.595 min Scan# 1094
Delta R.T. -0.003 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 72 Resp: 27146

Ion	Ratio	Lower	Upper
72	100		
42	216.8	183.3	243.3
71	92.1	53.5	113.5

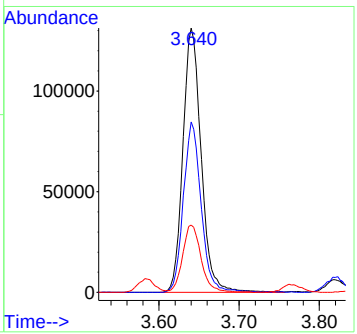


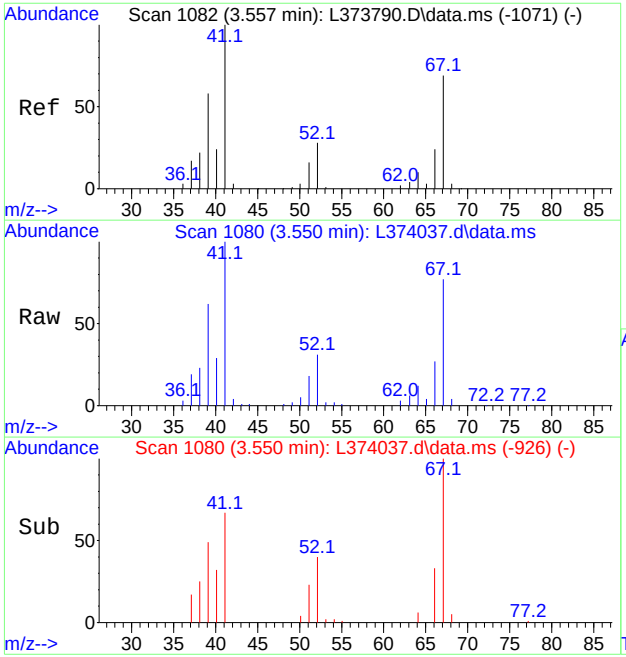


#42
chloroform
Concen: 47.9685 ug/L
RT: 3.640 min Scan# 1108
Delta R.T. -0.006 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 83 Resp: 208253

Ion	Ratio	Lower	Upper
83	100		
85	64.4	29.7	89.7
47	24.2	0.0	54.6

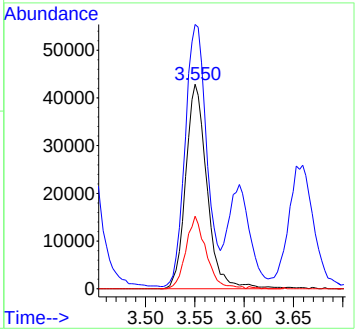


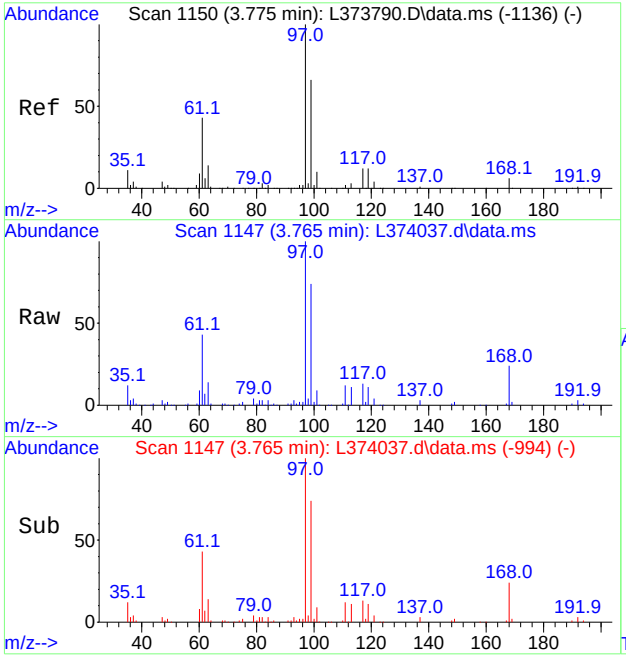


#44
methacrylonitrile
Concen: 49.1218 ug/L
RT: 3.550 min Scan# 1080
Delta R.T. -0.007 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 67 Resp: 64353

Ion	Ratio	Lower	Upper
67	100		
41	128.1	115.3	175.3
66	35.5	4.3	64.3

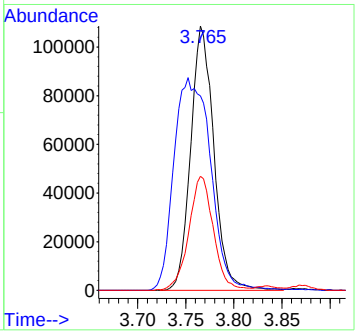


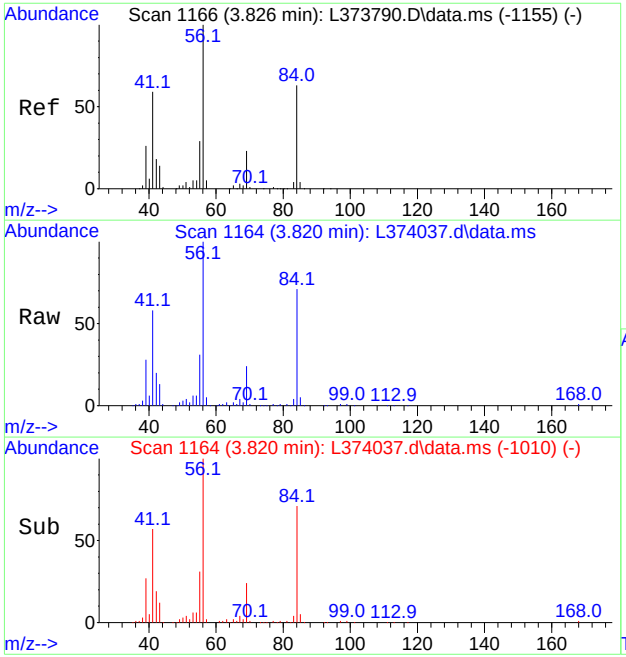


#45
1,1,1-trichloroethane
Concen: 53.1726 ug/L
RT: 3.765 min Scan# 1147
Delta R.T. -0.010 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 97 Resp: 182790

Ion	Ratio	Lower	Upper
97	100		
99	73.2	41.0	101.0
61	42.9	12.9	72.9

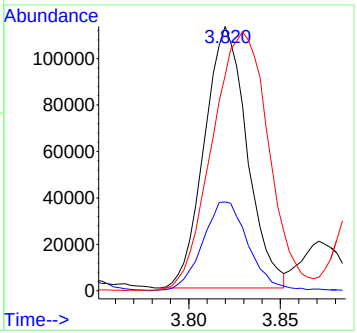


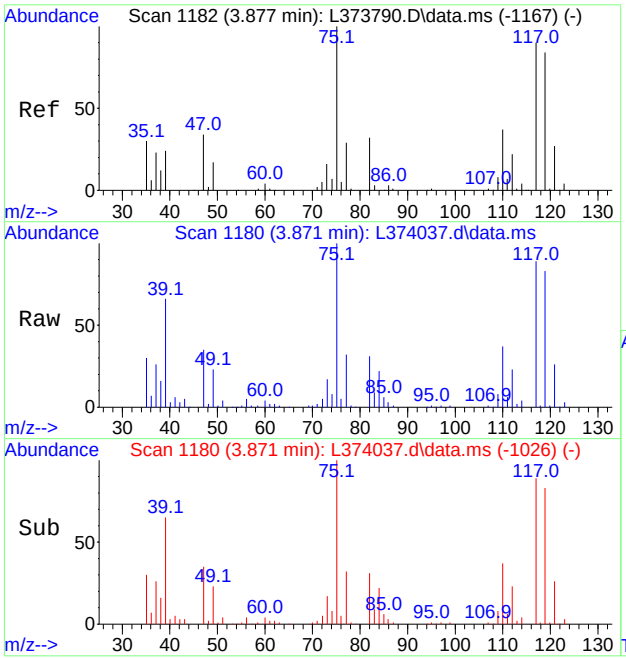


#46
cyclohexane
Concen: 64.3066 ug/L
RT: 3.820 min Scan# 1164
Delta R.T. -0.006 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 84 Resp: 183696

Ion	Ratio	Lower	Upper
84	100		
69	33.7	16.2	56.2
41	81.7	73.6	113.6

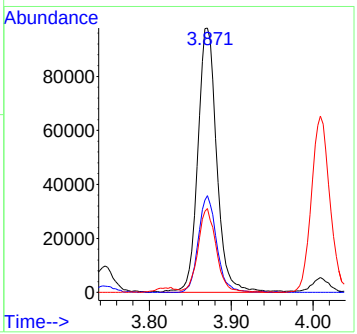


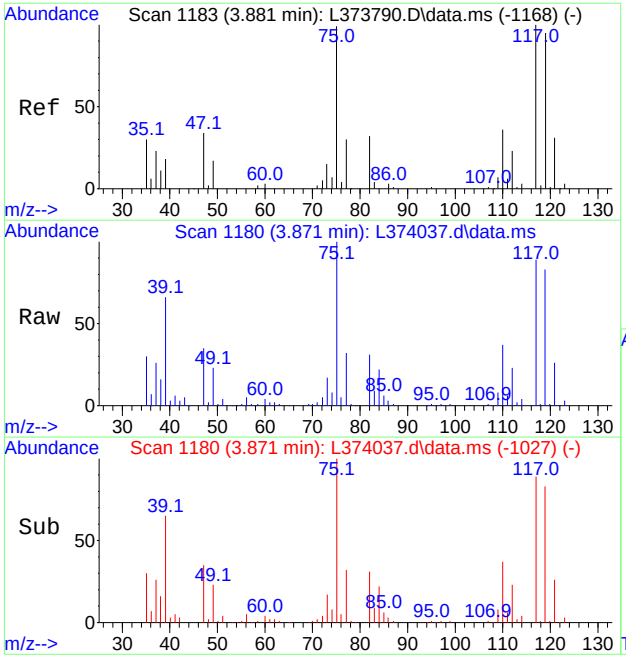


#47
1,1-dichloropropene
Concen: 56.4861 ug/L
RT: 3.871 min Scan# 1180
Delta R.T. -0.006 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 75 Resp: 157474

Ion	Ratio	Lower	Upper
75	100		
110	36.6	17.0	57.0
77	31.7	10.2	50.2

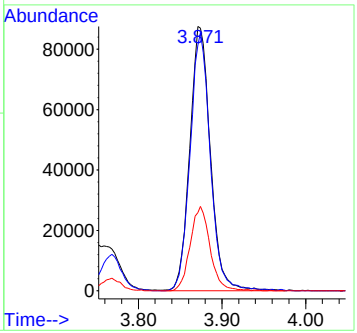


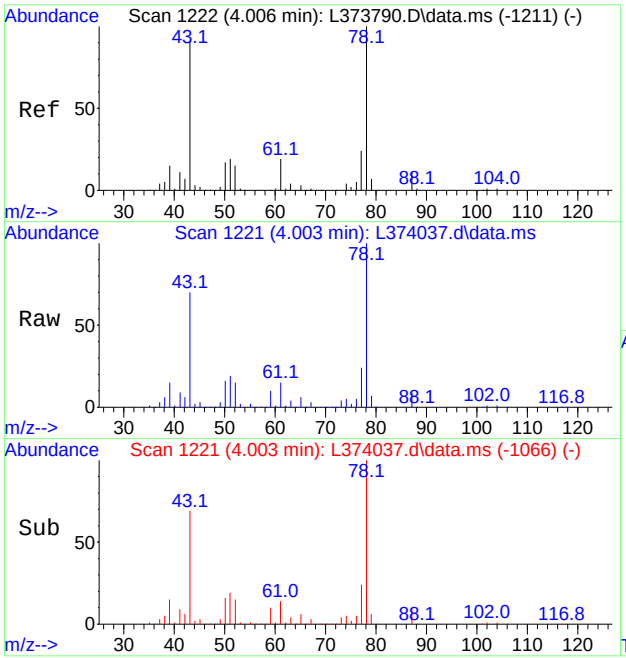


#48
carbon tetrachloride
Concen: 53.4944 ug/L
RT: 3.871 min Scan# 1180
Delta R.T. -0.010 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion:117 Resp: 149901

Ion	Ratio	Lower	Upper
117	100		
119	93.0	74.4	114.4
121	29.6	10.8	50.8

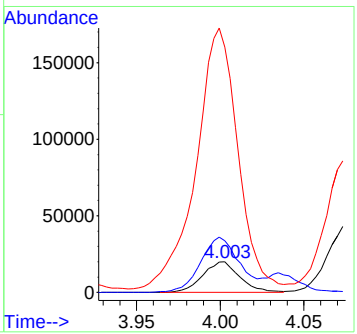


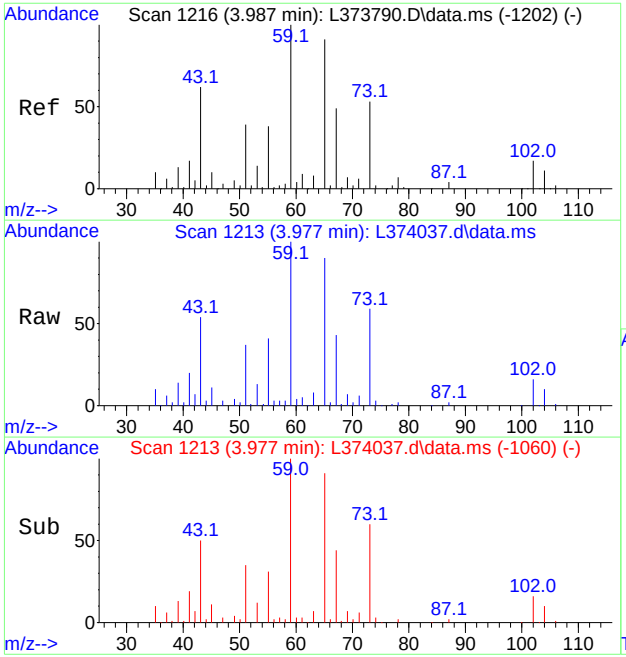


#49
isopropyl acetate
Concen: 49.3784 ug/L
RT: 4.003 min Scan# 1221
Delta R.T. -0.003 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 87 Resp: 30708

Ion	Ratio	Lower	Upper
87	100		
61	165.8	152.1	192.1
43	775.2	844.1	904.1#

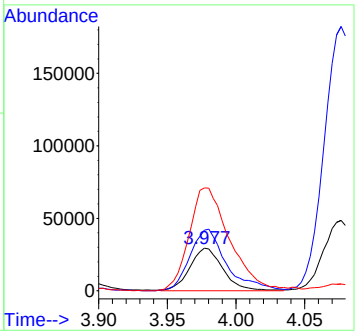


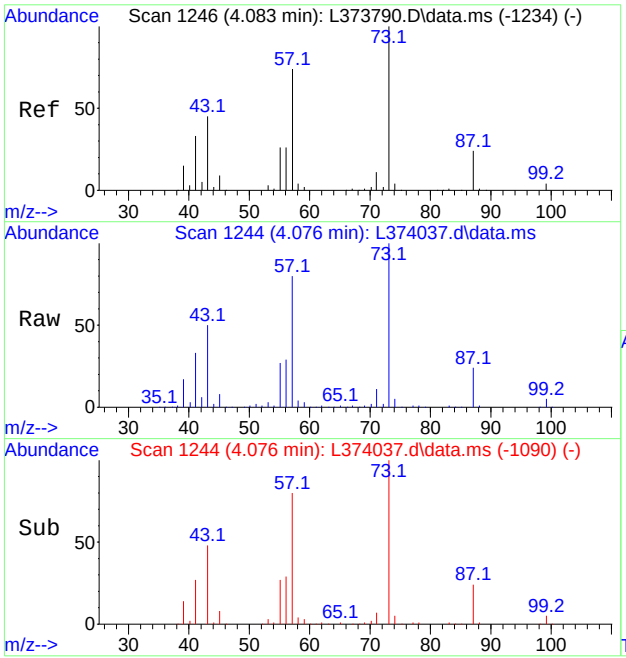


#50
tert amyl alcohol
Concen: 204.0556 ug/L
RT: 3.977 min Scan# 1213
Delta R.T. -0.010 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 55 Resp: 49679

Ion	Ratio	Lower	Upper
55	100		
73	142.3	119.2	159.2
59	242.5	242.0	282.0

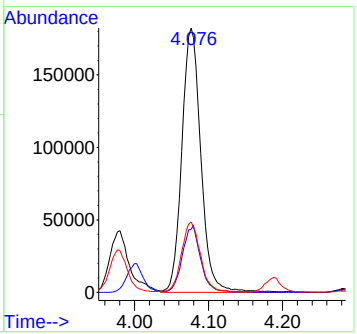


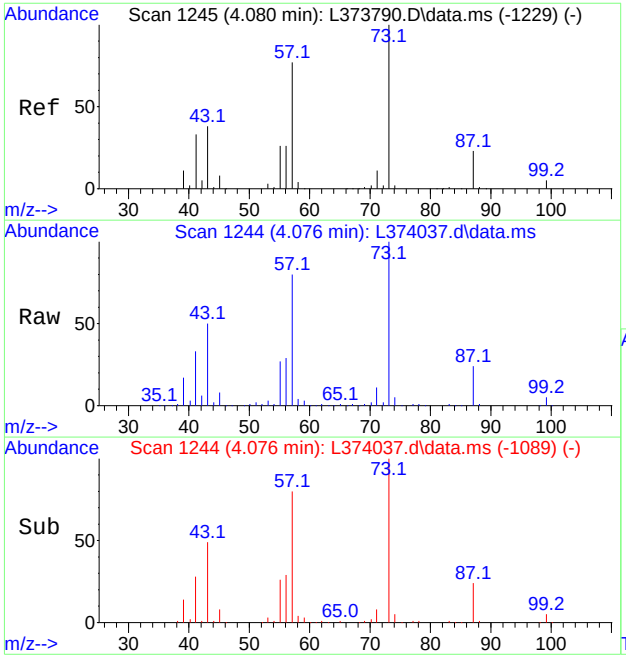


#53
tert-amyl methyl ether
Concen: 51.1214 ug/L
RT: 4.076 min Scan# 1244
Delta R.T. -0.007 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 73 Resp: 326023

Ion	Ratio	Lower	Upper
73	100		
87	23.9	4.6	44.6
55	26.4	5.7	45.7

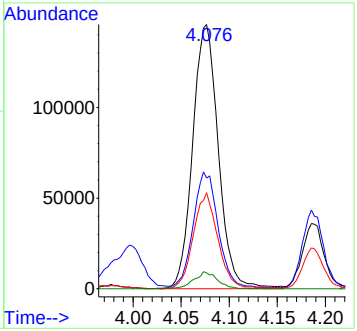


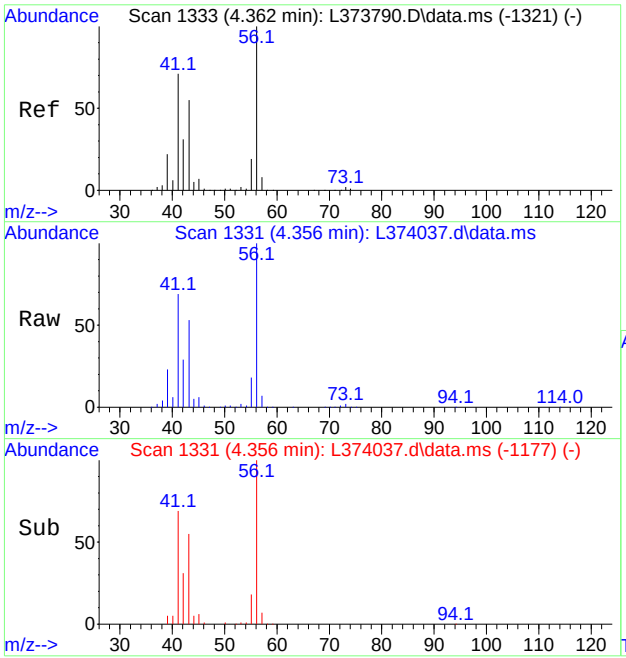


#54
2,2,4-trimethylpentane
Concen: 57.2080 ug/L
RT: 4.076 min Scan# 1244
Delta R.T. -0.004 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 57 Resp: 271529

Ion	Ratio	Lower	Upper
57	100		
41	41.5	25.1	65.1
56	36.3	13.8	53.8
99	6.1	0.0	25.9

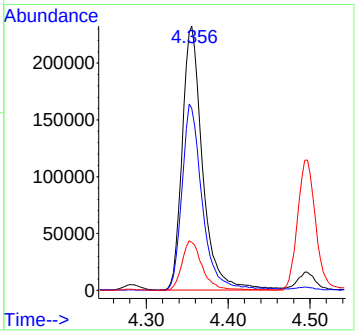


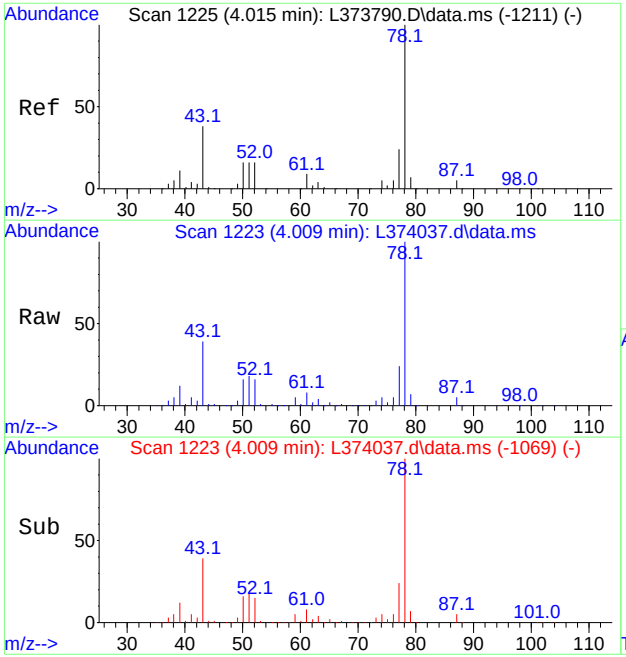


#55
n-butyl alcohol
Concen: 2148.1218 ug/L
RT: 4.356 min Scan# 1331
Delta R.T. -0.006 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 56 Resp: 402631

Ion	Ratio	Lower	Upper
56	100		
41	68.7	40.6	100.6
55	18.1	0.0	49.1

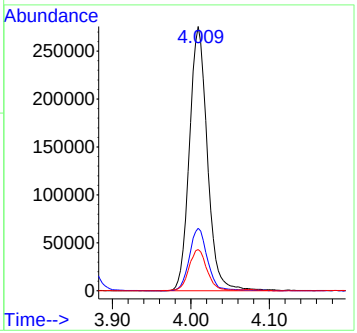


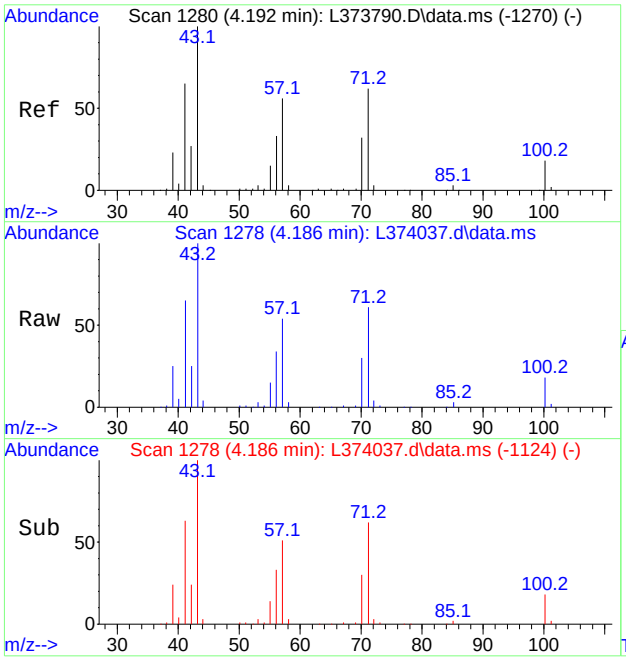


#56
benzene
Concen: 51.3904 ug/L
RT: 4.009 min Scan# 1223
Delta R.T. -0.006 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 78 Resp: 438133

Ion	Ratio	Lower	Upper
78	100		
77	23.7	0.0	53.5
52	15.6	0.0	46.2

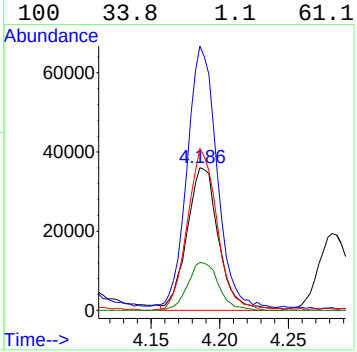


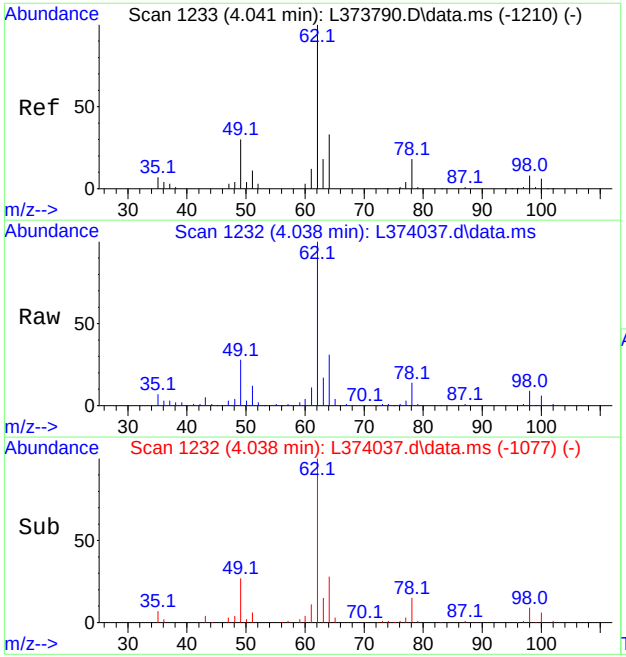


#57
heptane
Concen: 57.6399 ug/L
RT: 4.186 min Scan# 1278
Delta R.T. -0.006 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 57 Resp: 57997

Ion	Ratio	Lower	Upper
57	100		
43	184.1	146.8	206.8
71	113.6	78.5	138.5
100	33.8	1.1	61.1

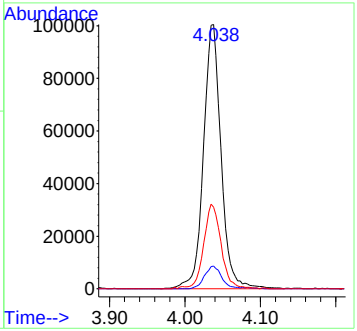


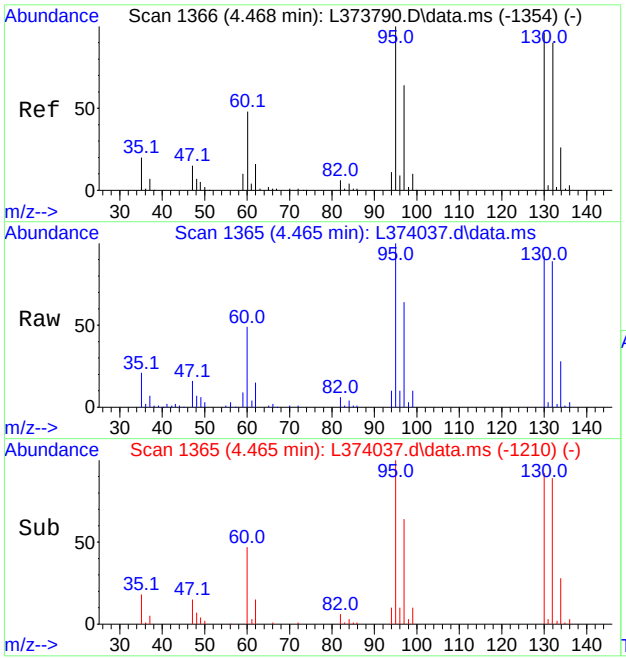


#58
1,2-dichloroethane
Concen: 50.4417 ug/L
RT: 4.038 min Scan# 1232
Delta R.T. -0.003 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 62 Resp: 163700

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	38.1
64	30.9	2.8	62.8

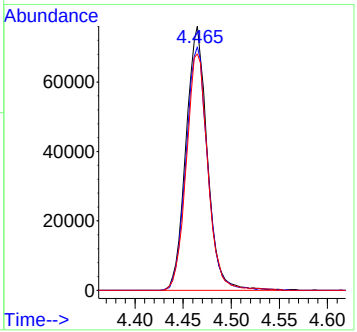


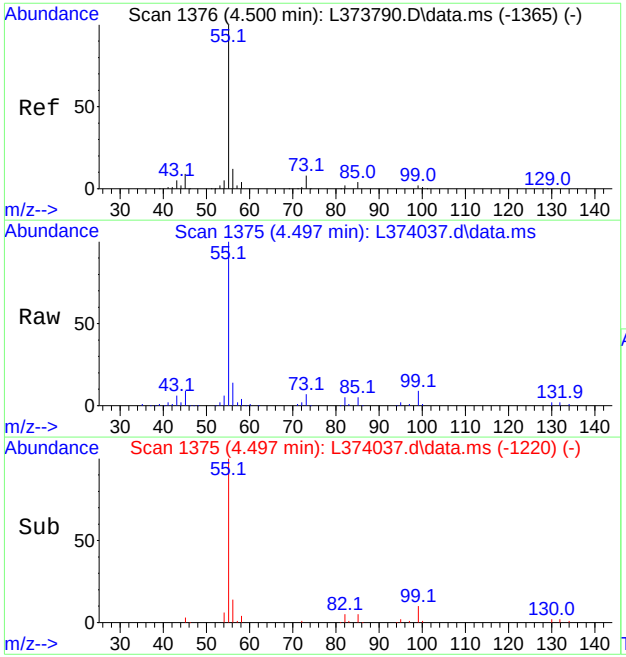


#59
trichloroethene
Concen: 54.8611 ug/L
RT: 4.465 min Scan# 1365
Delta R.T. -0.003 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 95 Resp: 117758

Ion	Ratio	Lower	Upper
95	100		
130	92.1	65.5	125.5
132	89.5	59.7	119.7

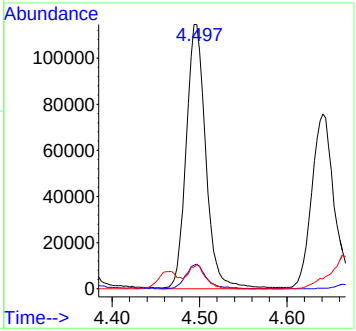


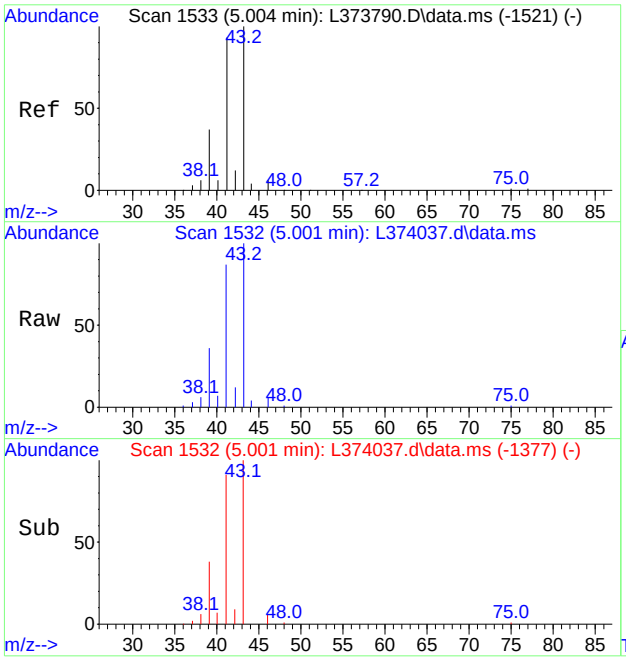


#60
ethyl acrylate
Concen: 46.7309 ug/L
RT: 4.497 min Scan# 1375
Delta R.T. -0.003 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 55 Resp: 179518

Ion	Ratio	Lower	Upper
55	100		
45	9.3	0.0	28.6
99	9.2	0.0	27.8

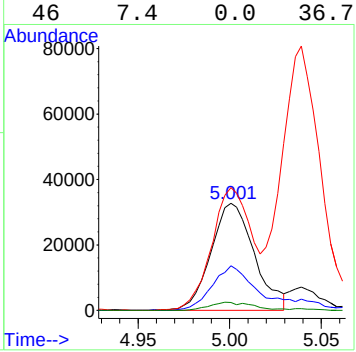


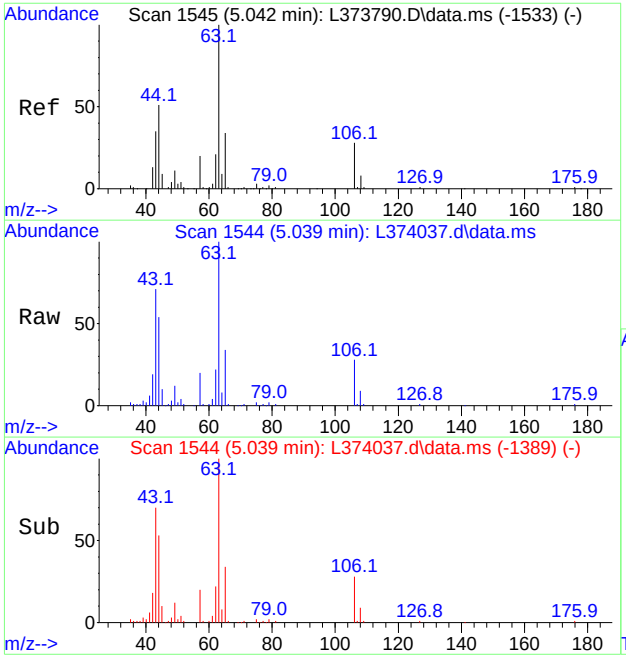


#61
2-nitropropane
Concen: 47.2926 ug/L
RT: 5.001 min Scan# 1532
Delta R.T. -0.003 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 41 Resp: 53907

Ion	Ratio	Lower	Upper
41	100		
39	41.8	10.0	70.0
43	114.0	77.9	137.9
46	7.4	0.0	36.7

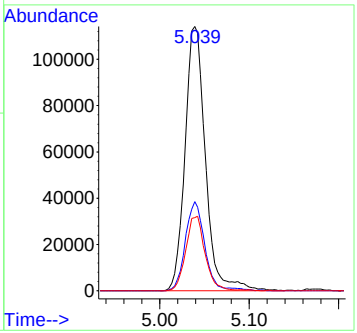


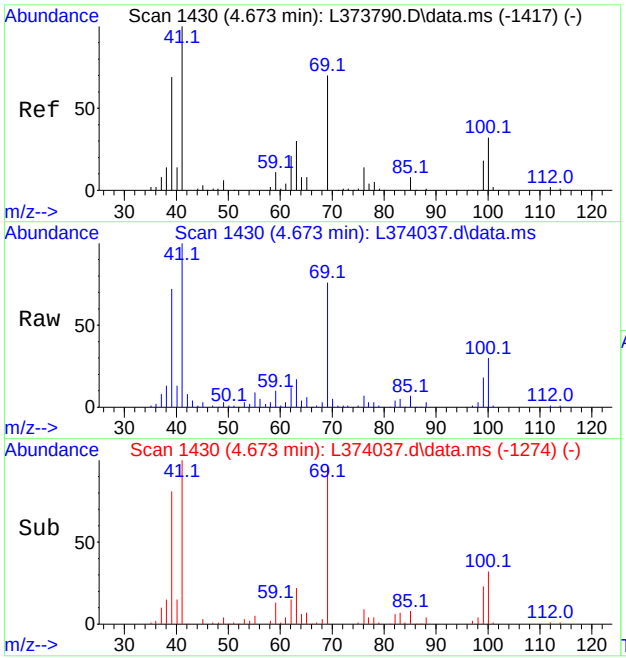


#62
2-chloroethyl vinyl ether
Concen: 246.1700 ug/L
RT: 5.039 min Scan# 1544
Delta R.T. -0.003 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 63 Resp: 181700

Ion	Ratio	Lower	Upper
63	100		
65	33.7	3.9	63.9
106	27.7	0.0	57.6

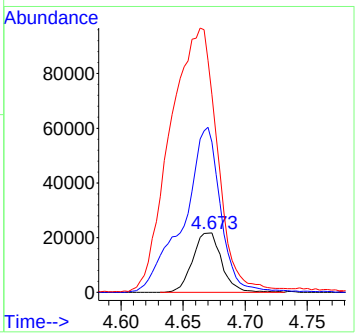


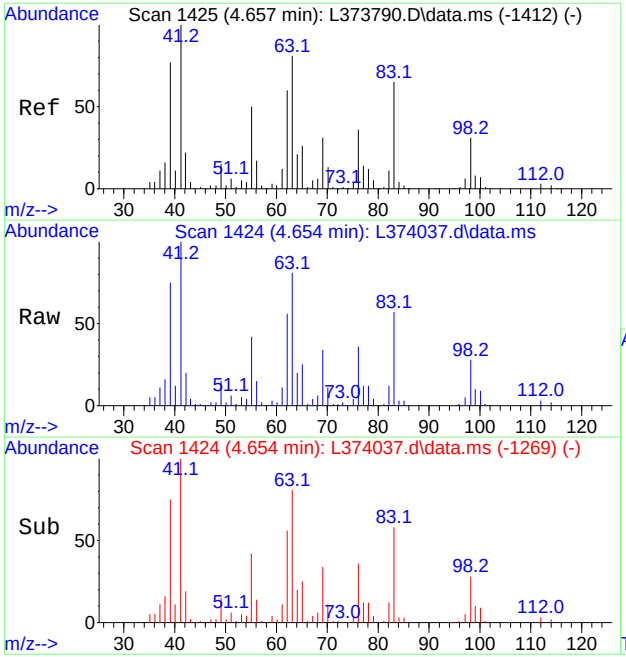


#63
methyl methacrylate
Concen: 49.7031 ug/L
RT: 4.673 min Scan# 1430
Delta R.T. 0.000 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion:100 Resp: 35366

Ion	Ratio	Lower	Upper
100	100		
69	249.8	221.2	281.2
41	326.2	360.4	420.4#

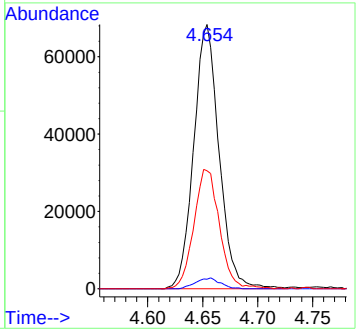


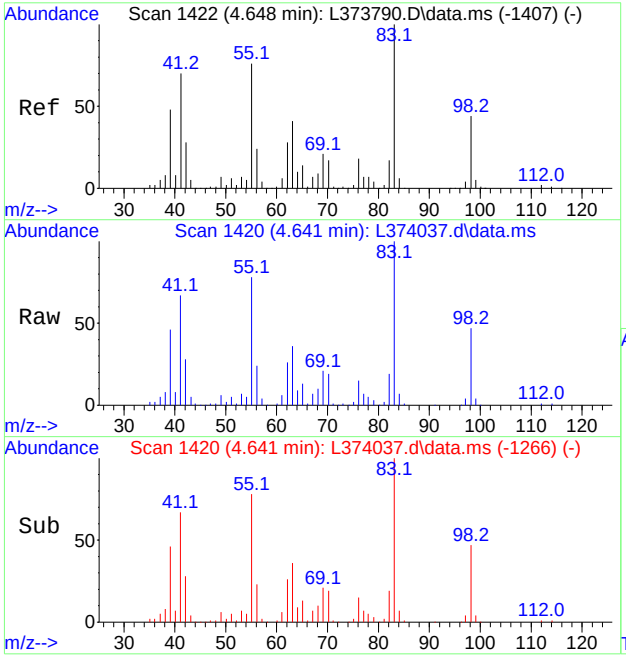


#64
1,2-dichloropropane
Concen: 50.3736 ug/L
RT: 4.654 min Scan# 1424
Delta R.T. -0.003 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 63 Resp: 109624

Ion	Ratio	Lower	Upper
63	100		
112	3.6	0.0	34.1
76	44.6	14.3	74.3

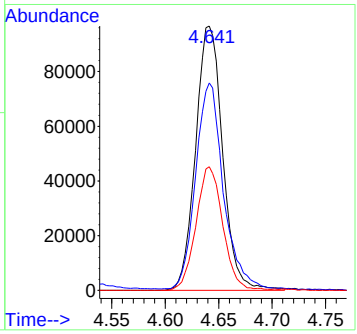


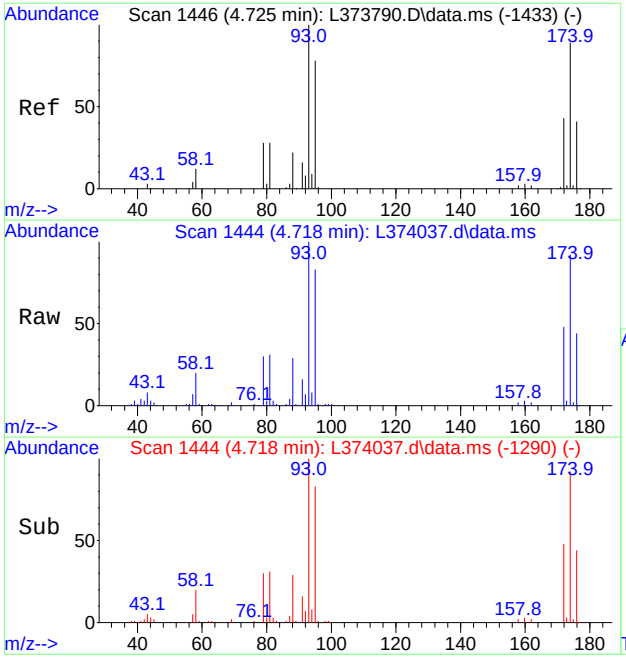


#65
methylcyclohexane
Concen: 57.9038 ug/L
RT: 4.641 min Scan# 1420
Delta R.T. -0.007 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 83 Resp: 170380

Ion	Ratio	Lower	Upper
83	100		
55	77.9	46.3	106.3
98	46.8	13.7	73.7

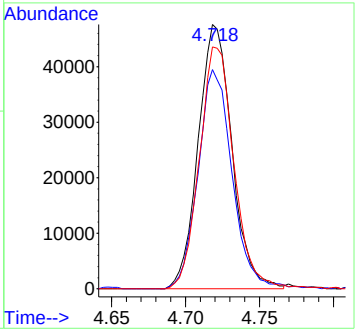


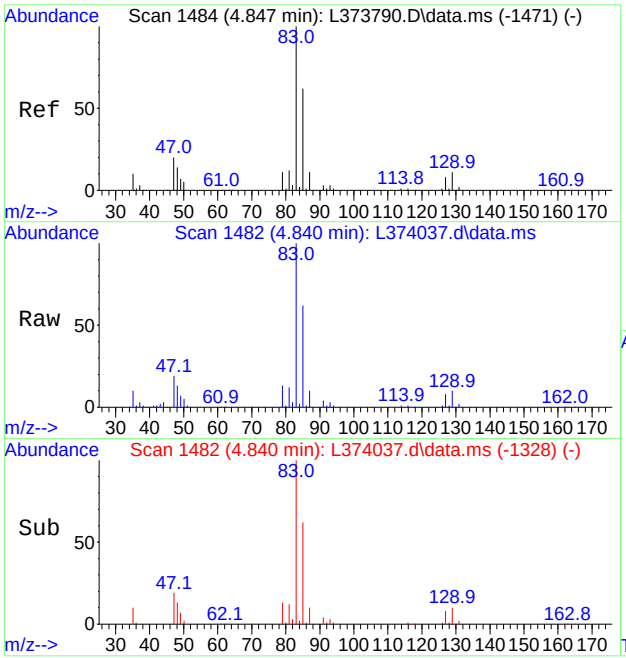


#66
dibromomethane
Concen: 50.2932 ug/L
RT: 4.718 min Scan# 1444
Delta R.T. -0.007 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 93 Resp: 75406

Ion	Ratio	Lower	Upper
93	100		
95	82.9	48.3	108.3
174	91.5	59.2	119.2

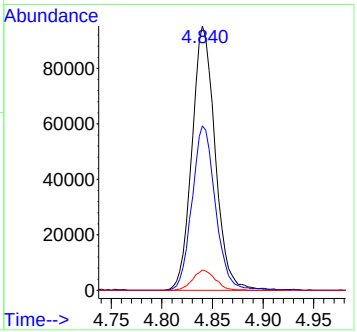


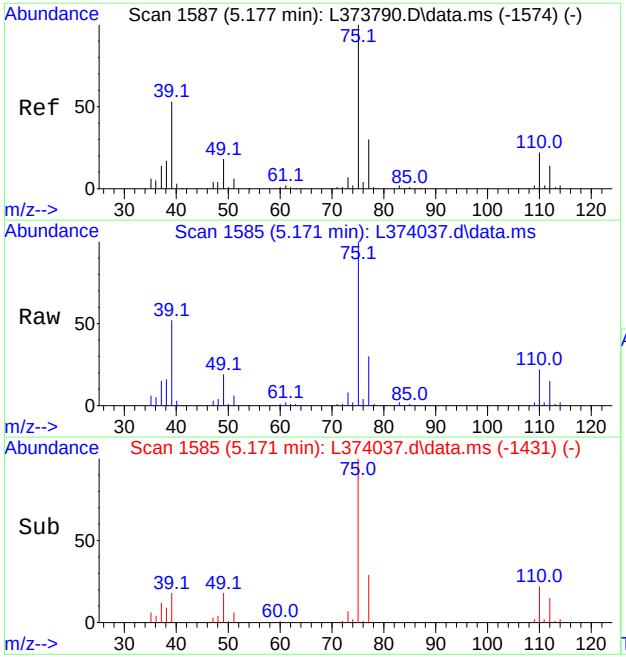


#67
bromodichloromethane
Concen: 48.9119 ug/L
RT: 4.840 min Scan# 1482
Delta R.T. -0.007 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 83 Resp: 151905

Ion	Ratio	Lower	Upper
83	100		
85	62.2	31.5	91.5
127	7.8	0.0	38.3

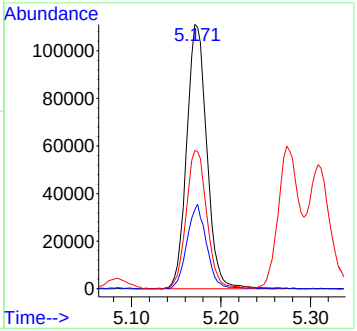


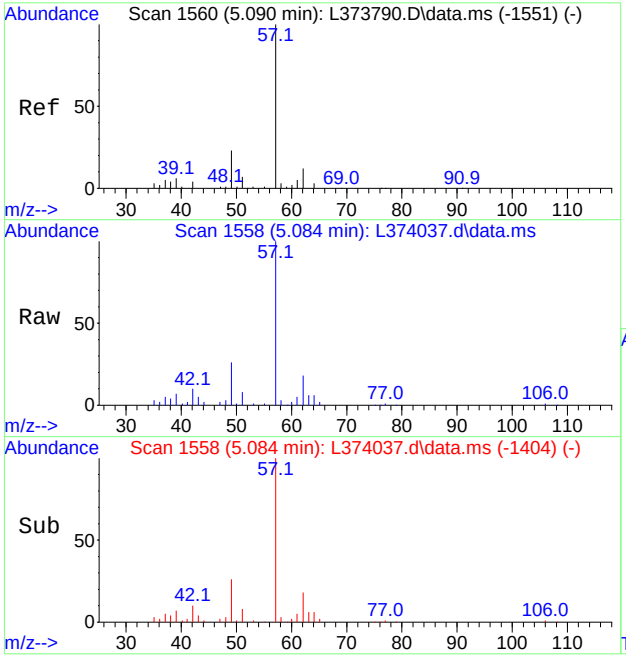


#68
cis-1,3-dichloropropene
Concen: 50.0189 ug/L
RT: 5.171 min Scan# 1585
Delta R.T. -0.006 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 75 Resp: 174134

Ion	Ratio	Lower	Upper
75	100		
77	30.0	0.1	60.1
39	52.2	23.1	83.1

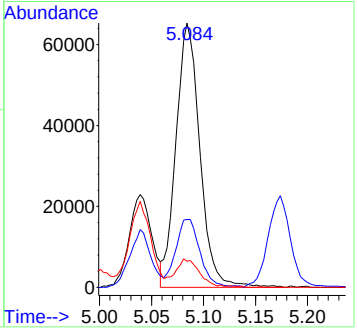


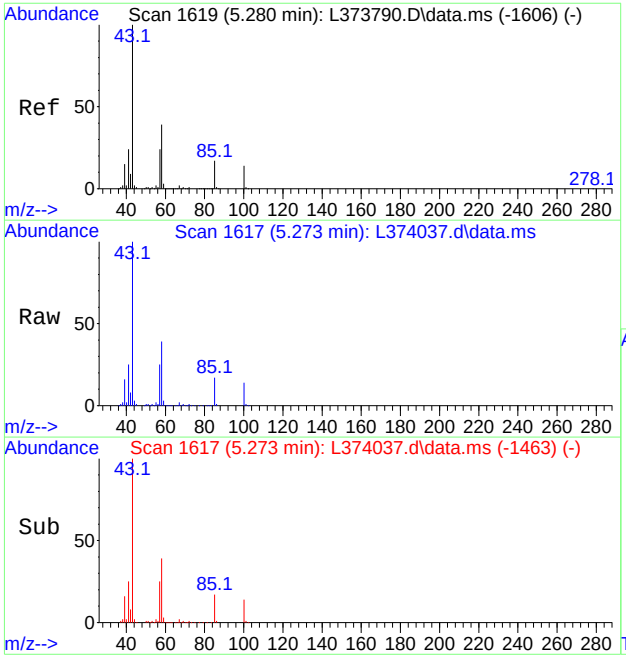


#69
epichlorohydrin
Concen: 235.2188 ug/L
RT: 5.084 min Scan# 1558
Delta R.T. -0.006 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 57 Resp: 104388

Ion	Ratio	Lower	Upper
57	100		
49	21.2	1.0	41.0
42	9.9	0.0	29.5

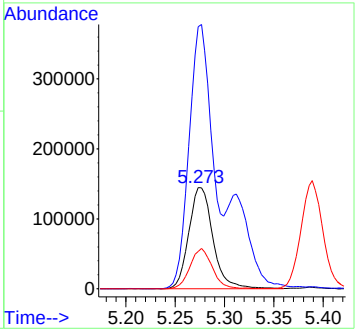


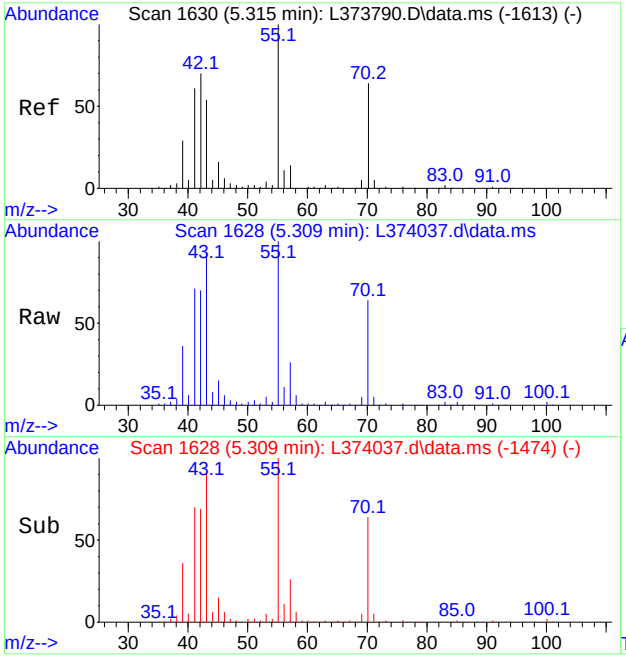


#70
4-methyl-2-pentanone
Concen: 180.6058 ug/L
RT: 5.273 min Scan# 1617
Delta R.T. -0.007 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 58 Resp: 247098

Ion	Ratio	Lower	Upper
58	100		
43	258.7	233.3	273.3
100	37.0	15.2	55.2

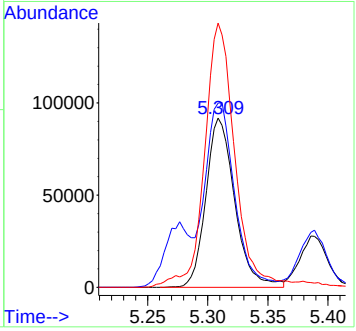


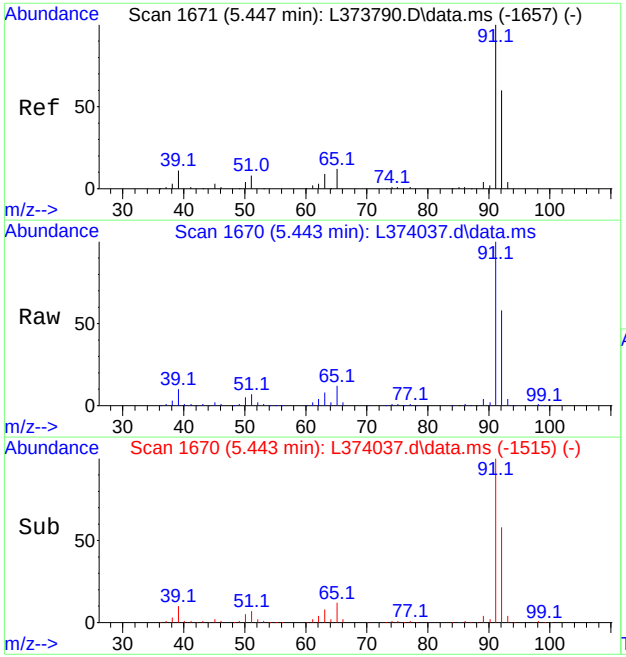


#71
3-methyl-1-butanol
Concen: 878.0980 ug/L
RT: 5.309 min Scan# 1628
Delta R.T. -0.006 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 70 Resp: 153781

Ion	Ratio	Lower	Upper
70	100		
42	104.3	94.2	134.2
55	153.9	137.5	177.5

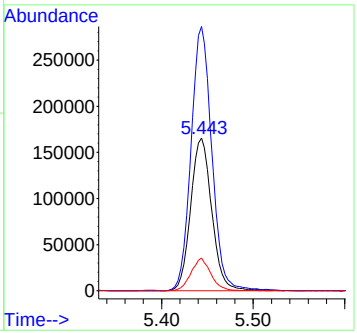


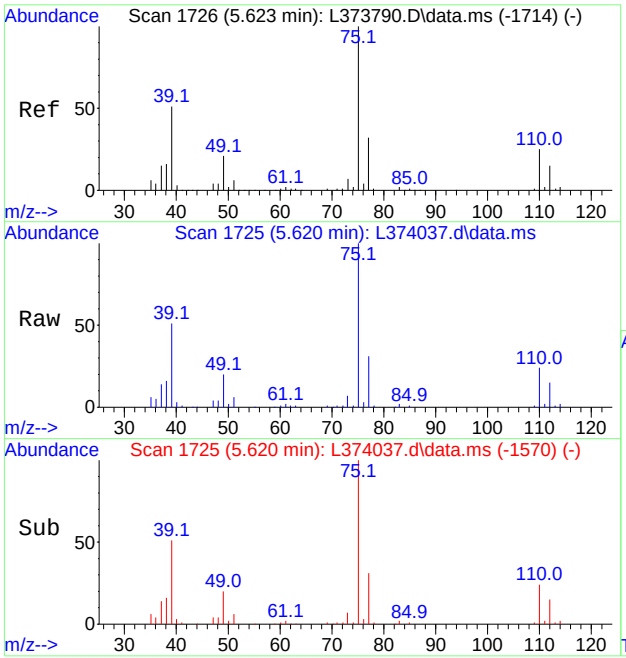


#74
toluene
Concen: 51.8183 ug/L
RT: 5.443 min Scan# 1670
Delta R.T. -0.004 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 92 Resp: 265111

Ion	Ratio	Lower	Upper
92	100		
91	173.0	136.7	196.7
65	21.5	0.0	50.8

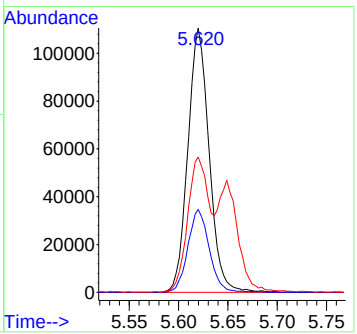


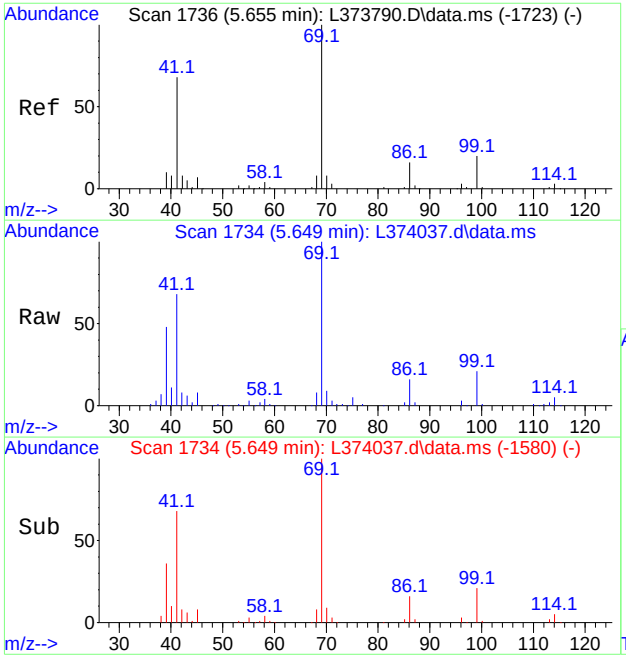


#75
trans-1,3-dichloropropene
Concen: 51.9861 ug/L
RT: 5.620 min Scan# 1725
Delta R.T. -0.003 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 75 Resp: 165830

Ion	Ratio	Lower	Upper
75	100		
77	31.4	1.7	61.7
39	51.2	20.7	80.7

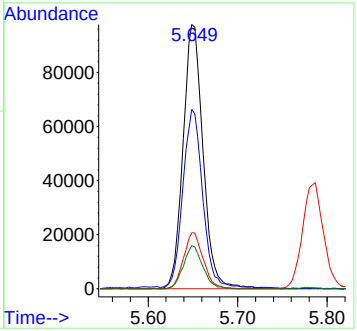


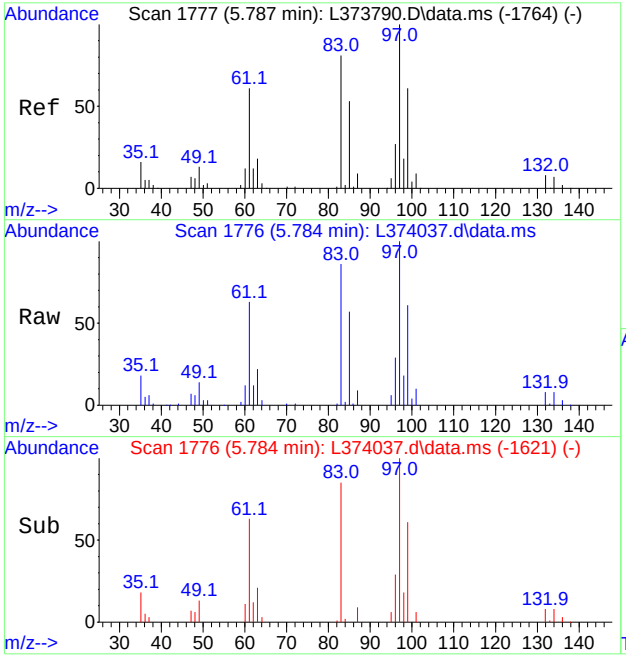


#76
ethyl methacrylate
Concen: 47.1876 ug/L
RT: 5.649 min Scan# 1734
Delta R.T. -0.006 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 69 Resp: 152088

Ion	Ratio	Lower	Upper
69	100		
41	67.5	38.9	98.9
99	21.2	0.0	50.4
86	16.4	0.0	45.9

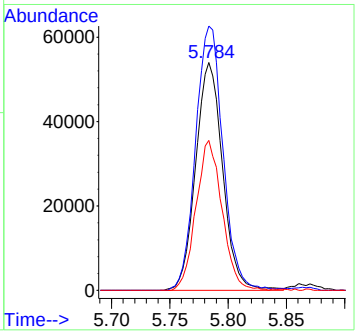


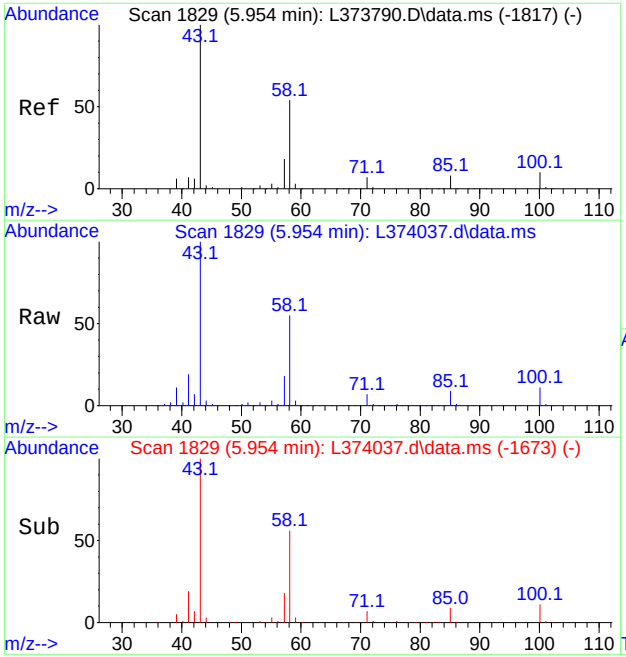


#77
1,1,2-trichloroethane
Concen: 51.3855 ug/L
RT: 5.784 min Scan# 1776
Delta R.T. -0.003 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 83 Resp: 87163

Ion	Ratio	Lower	Upper
83	100		
97	116.0	93.6	153.6
85	65.8	35.4	95.4

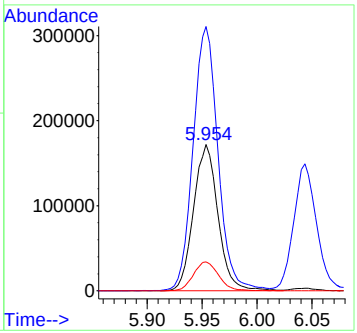


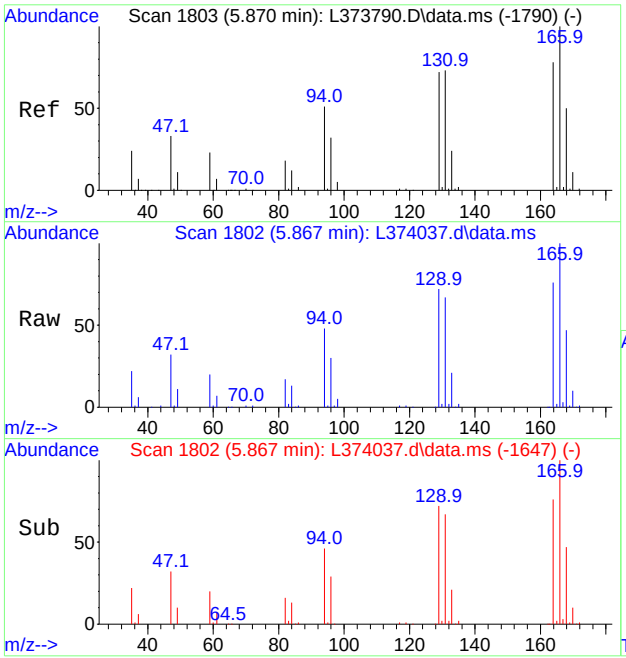


#78
2-hexanone
Concen: 183.3330 ug/L
RT: 5.954 min Scan# 1829
Delta R.T. -0.000 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 58 Resp: 266548

Ion	Ratio	Lower	Upper
58	100		
43	180.6	154.6	214.6
100	19.8	0.0	49.0

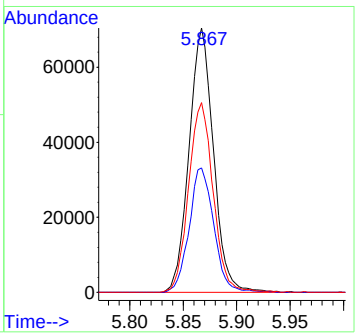


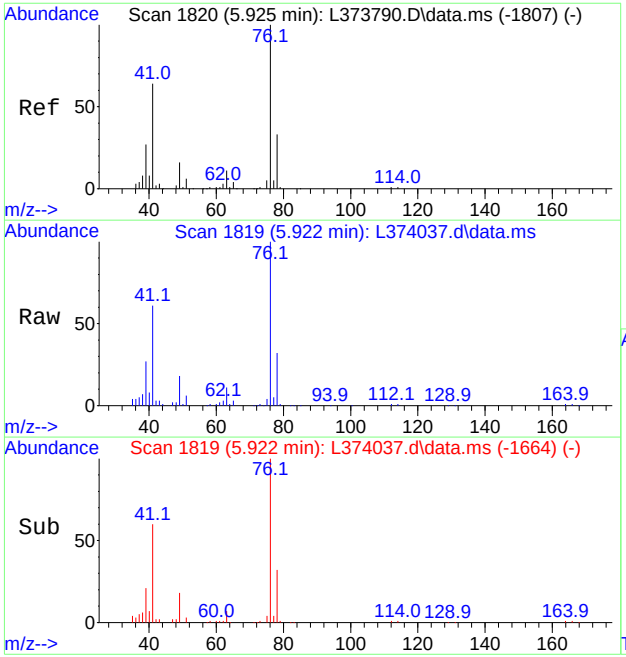


#79
tetrachloroethene
Concen: 54.4712 ug/L
RT: 5.867 min Scan# 1802
Delta R.T. -0.003 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion:166 Resp: 111939

Ion	Ratio	Lower	Upper
166	100		
168	47.1	19.7	79.7
129	71.8	42.4	102.4

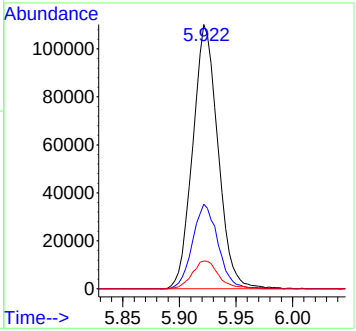


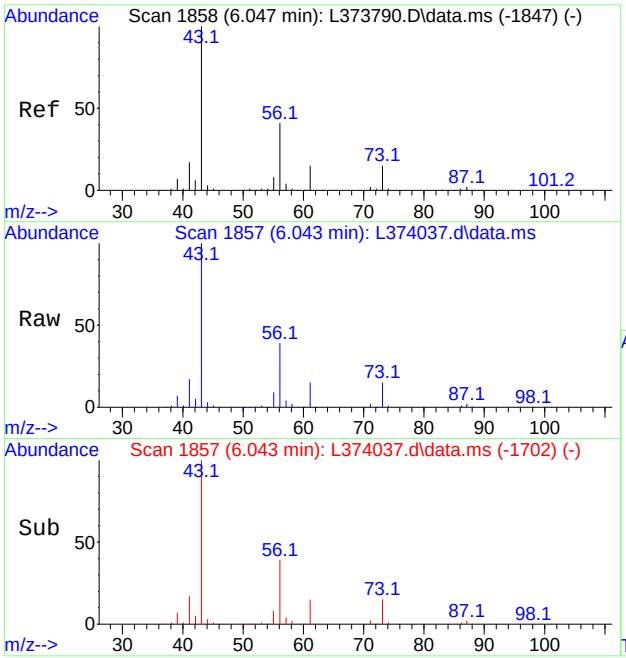


#80
1,3-dichloropropane
Concen: 52.2787 ug/L
RT: 5.922 min Scan# 1819
Delta R.T. -0.003 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 76 Resp: 170902

Ion	Ratio	Lower	Upper
76	100		
78	32.1	2.7	62.7
63	10.6	0.0	41.2

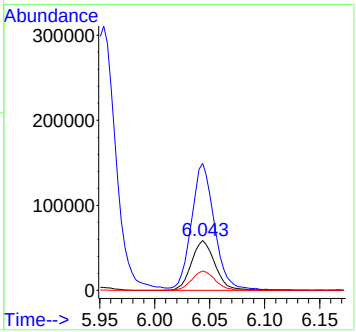


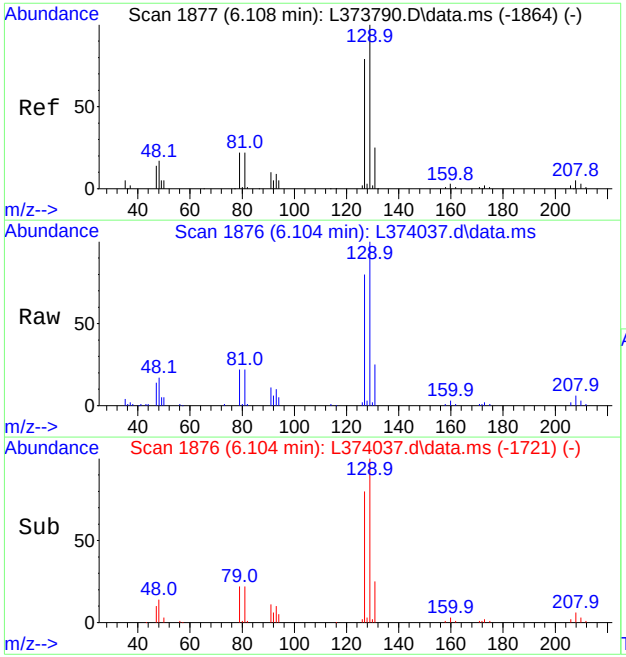


#81
butyl acetate
Concen: 45.5602 ug/L
RT: 6.043 min Scan# 1857
Delta R.T. -0.003 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 56 Resp: 87285

Ion	Ratio	Lower	Upper
56	100		
43	253.5	218.3	278.3
73	39.0	7.2	67.2

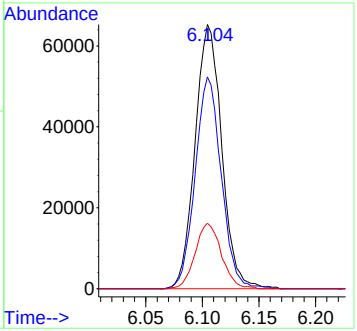


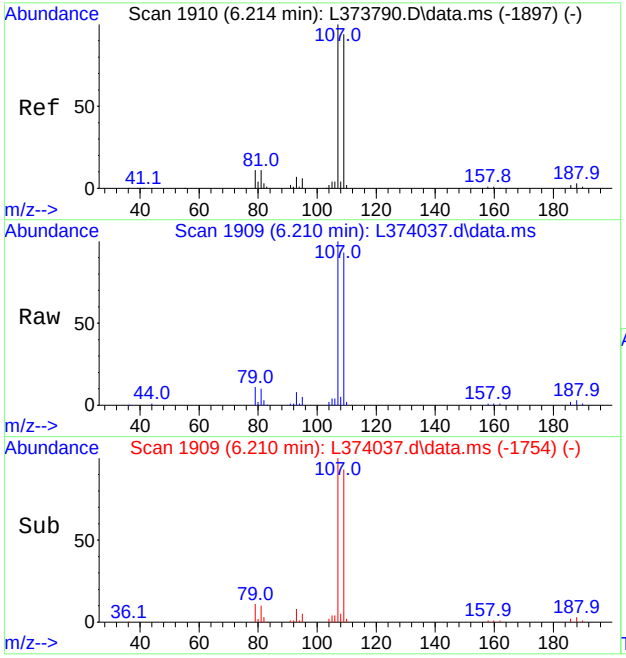


#82
dibromochloromethane
Concen: 48.9099 ug/L
RT: 6.104 min Scan# 1876
Delta R.T. -0.004 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion:129 Resp: 107005

Ion	Ratio	Lower	Upper
129	100		
127	80.1	49.0	109.0
131	24.8	0.0	54.6

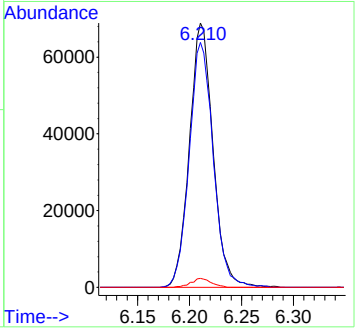


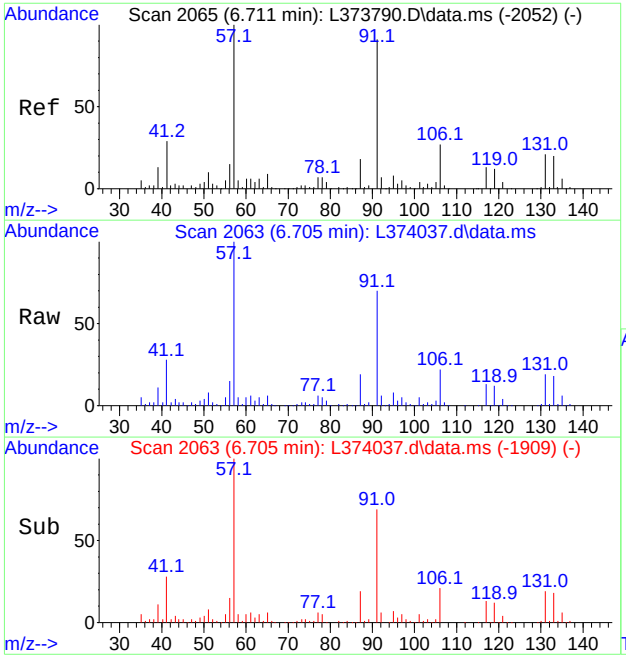


#83
1,2-dibromoethane
Concen: 52.8382 ug/L
RT: 6.210 min Scan# 1909
Delta R.T. -0.004 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion:107 Resp: 108893

Ion	Ratio	Lower	Upper
107	100		
109	92.7	63.9	123.9
188	3.4	0.0	33.4

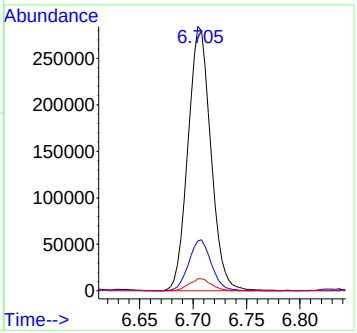


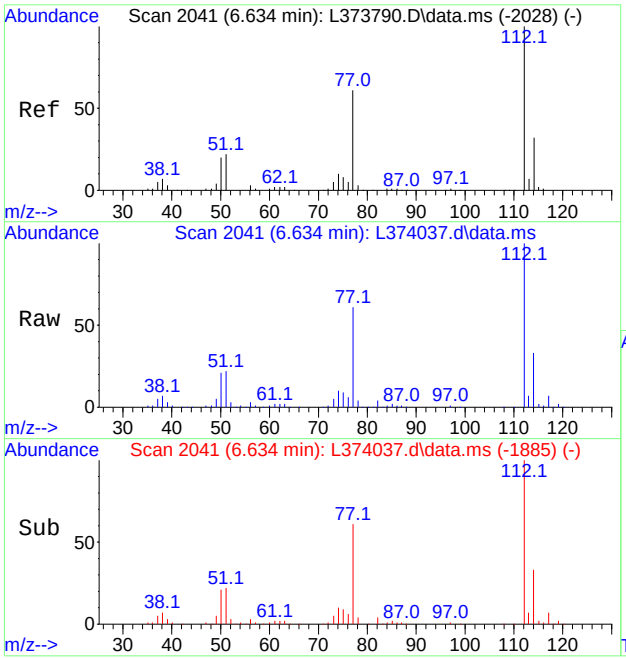


#84
n-butyl ether
Concen: 49.1066 ug/L
RT: 6.705 min Scan# 2063
Delta R.T. -0.006 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 57 Resp: 422917

Ion	Ratio	Lower	Upper
57	100		
87	18.9	0.0	47.8
101	4.6	0.0	34.2

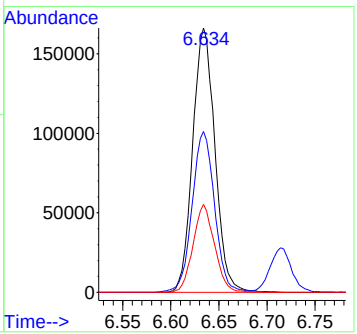


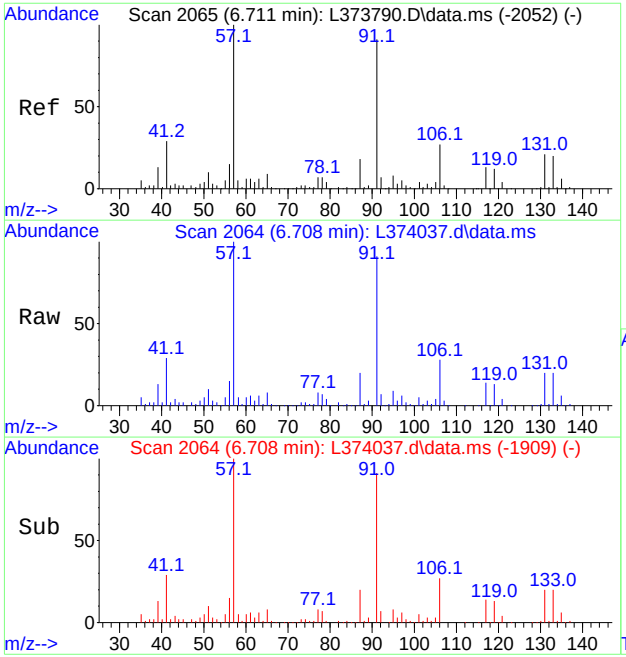


#85
chlorobenzene
Concen: 49.8808 ug/L
RT: 6.634 min Scan# 2041
Delta R.T. -0.000 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion:112 Resp: 267950

Ion	Ratio	Lower	Upper
112	100		
77	60.6	30.8	90.8
114	33.3	2.4	62.4

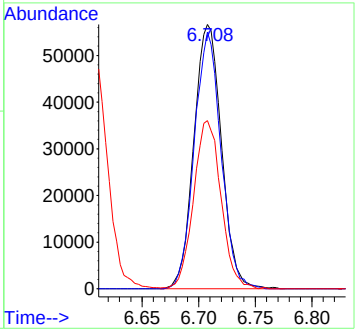


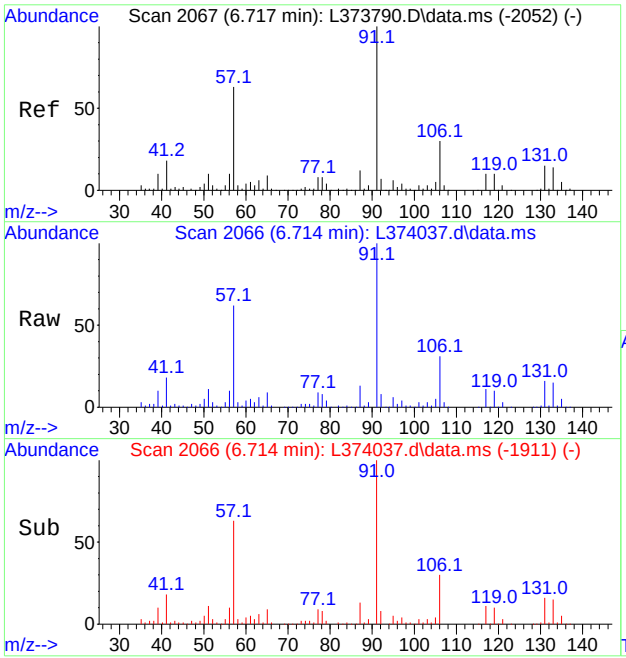


#86
1,1,1,2-tetrachloroethane
Concen: 52.8120 ug/L
RT: 6.708 min Scan# 2064
Delta R.T. -0.003 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion:131 Resp: 96003

Ion	Ratio	Lower	Upper
131	100		
133	97.1	65.1	125.1
119	63.6	30.8	90.8

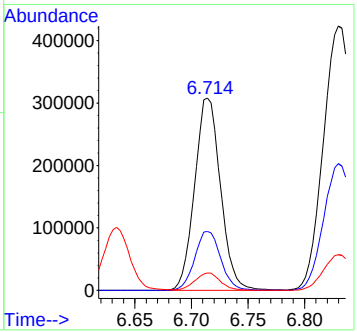


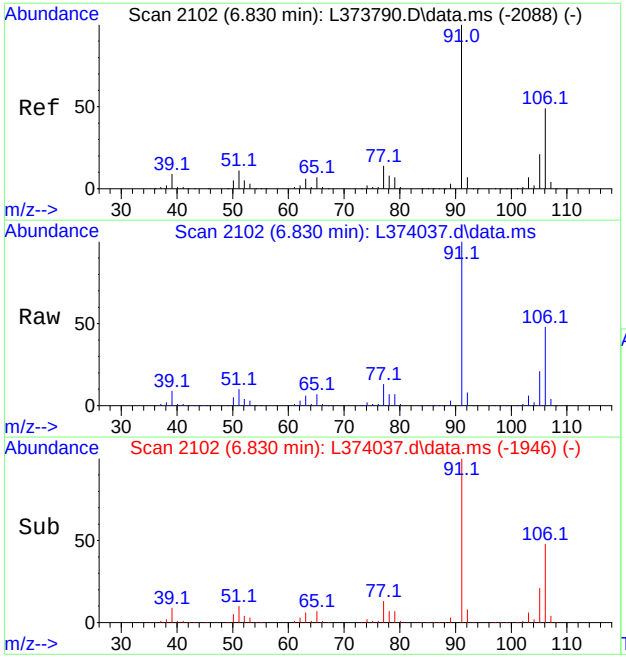


#87
ethylbenzene
Concen: 52.1962 ug/L
RT: 6.714 min Scan# 2066
Delta R.T. -0.003 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 91 Resp: 489190

Ion	Ratio	Lower	Upper
91	100		
106	30.6	0.1	60.1
77	9.0	0.0	38.6

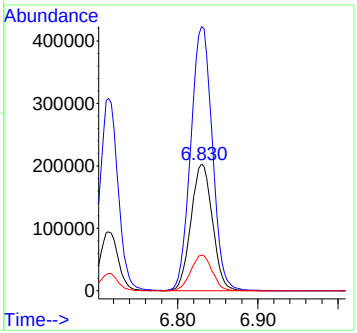


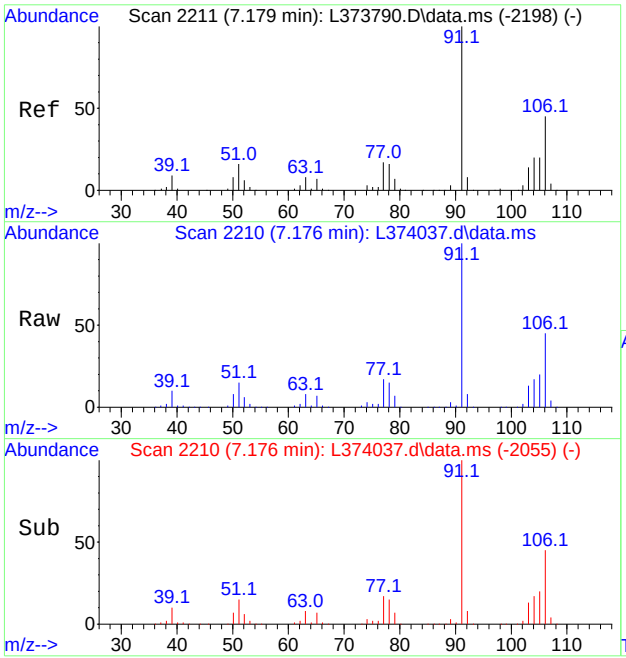


#88
m,p-xylene
Concen: 104.7135 ug/L
RT: 6.830 min Scan# 2102
Delta R.T. -0.000 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion:106 Resp: 377954

Ion	Ratio	Lower	Upper
106	100		
91	208.6	175.7	235.7
77	28.1	8.1	48.1

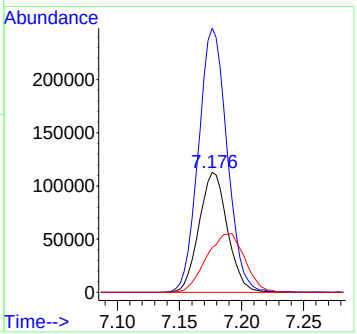


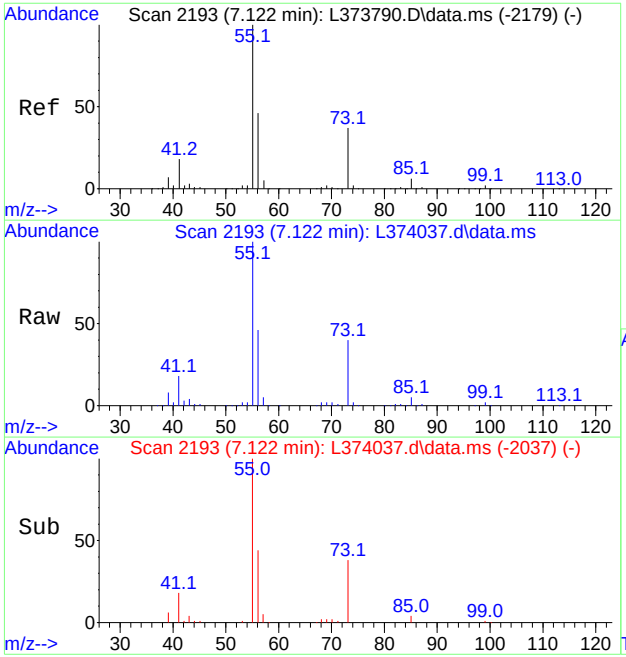


#89
o-xylene
Concen: 51.0424 ug/L
RT: 7.176 min Scan# 2210
Delta R.T. -0.003 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion:106 Resp: 180144

Ion	Ratio	Lower	Upper
106	100		
91	220.4	194.5	254.5
77	37.3	18.1	58.1

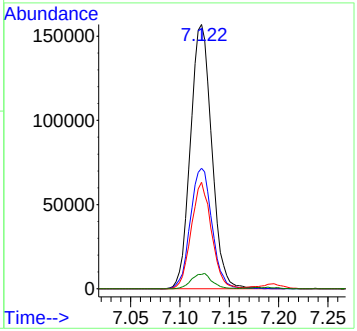


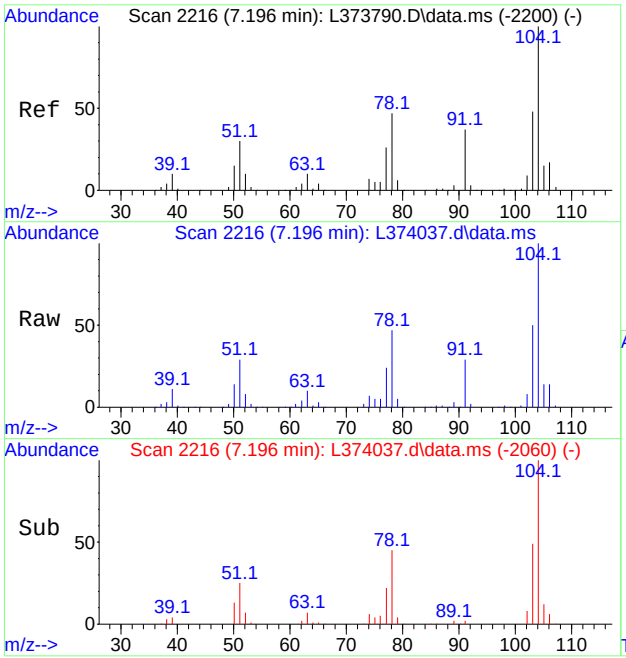


#90
butyl acrylate
Concen: 45.7242 ug/L
RT: 7.122 min Scan# 2193
Delta R.T. -0.000 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 55 Resp: 236049

Ion	Ratio	Lower	Upper
55	100		
56	45.6	26.3	66.3
73	40.3	17.5	57.5
85	5.4	0.0	25.6

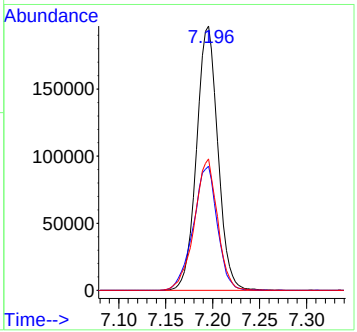


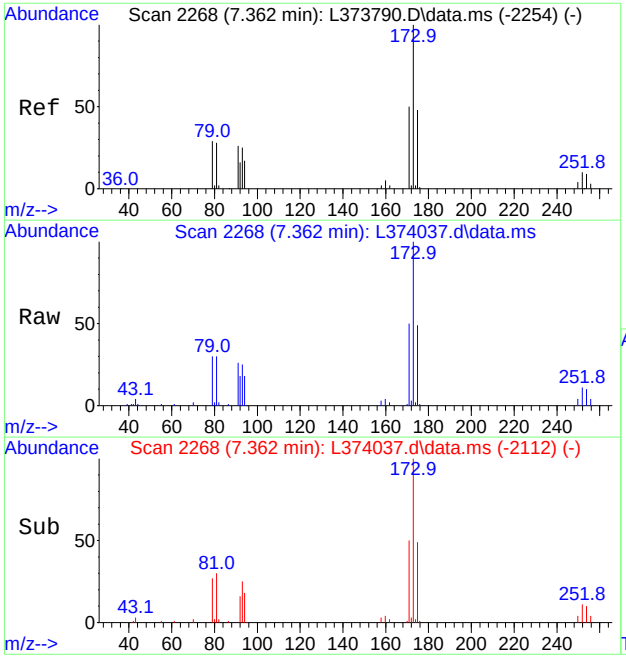


#91
styrene
Concen: 52.6989 ug/L
RT: 7.196 min Scan# 2216
Delta R.T. -0.000 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion:104 Resp: 311858

Ion	Ratio	Lower	Upper
104	100		
78	46.9	16.8	76.8
103	49.7	17.7	77.7

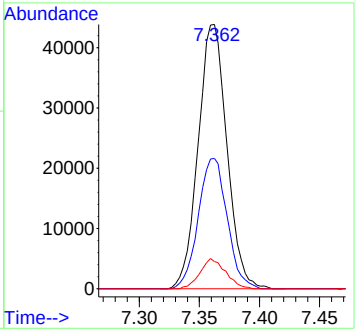


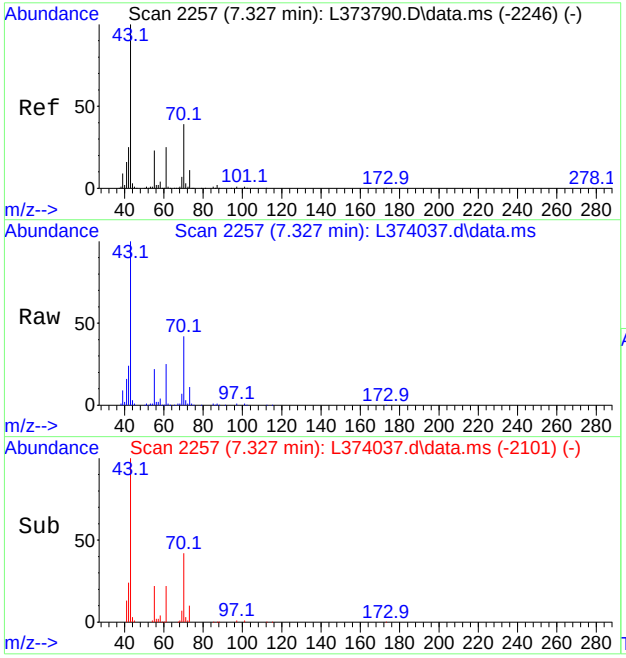


#92
bromoform
Concen: 46.9267 ug/L
RT: 7.362 min Scan# 2268
Delta R.T. 0.000 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion:173 Resp: 72963

Ion	Ratio	Lower	Upper
173	100		
175	49.3	17.8	77.8
254	10.3	0.0	39.4

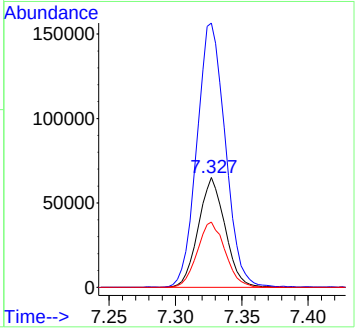


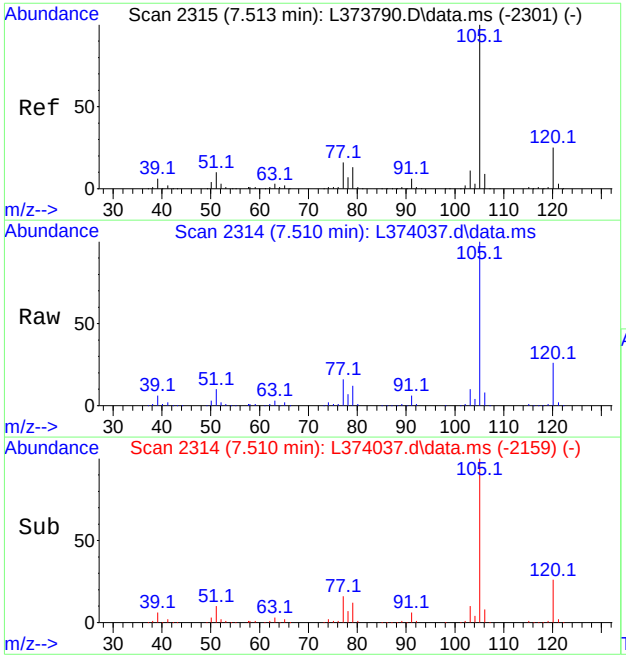


#93
n-amyl acetate
Concen: 47.2706 ug/L
RT: 7.327 min Scan# 2257
Delta R.T. 0.000 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 70 Resp: 91326

Ion	Ratio	Lower	Upper
70	100		
43	240.5	233.4	273.4
61	59.6	42.6	82.6

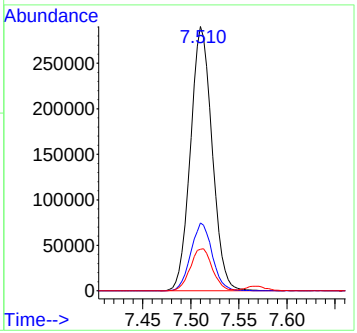


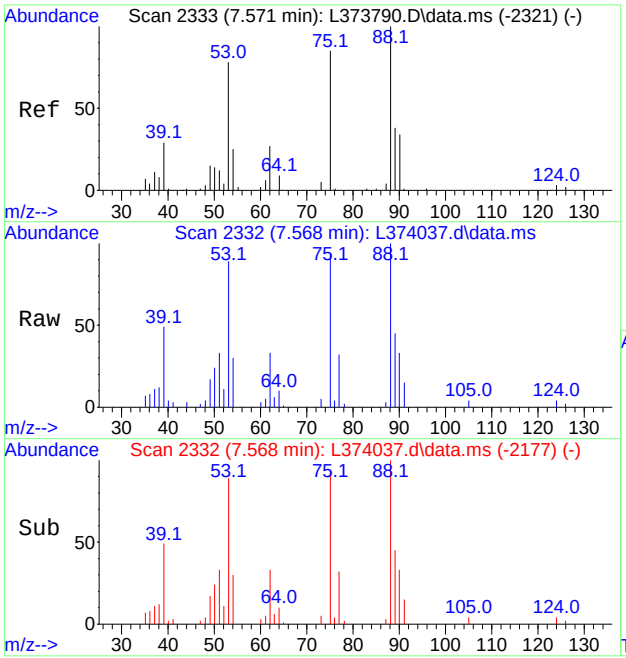


#94
isopropylbenzene
Concen: 53.4151 ug/L
RT: 7.510 min Scan# 2314
Delta R.T. -0.003 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion:105 Resp: 455012

Ion	Ratio	Lower	Upper
105	100		
120	25.6	5.2	45.2
77	15.7	0.0	36.2

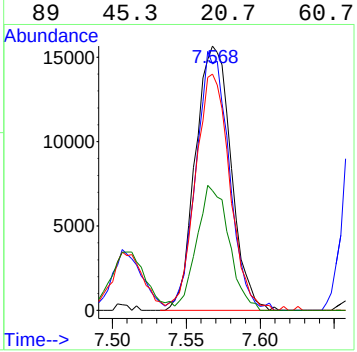


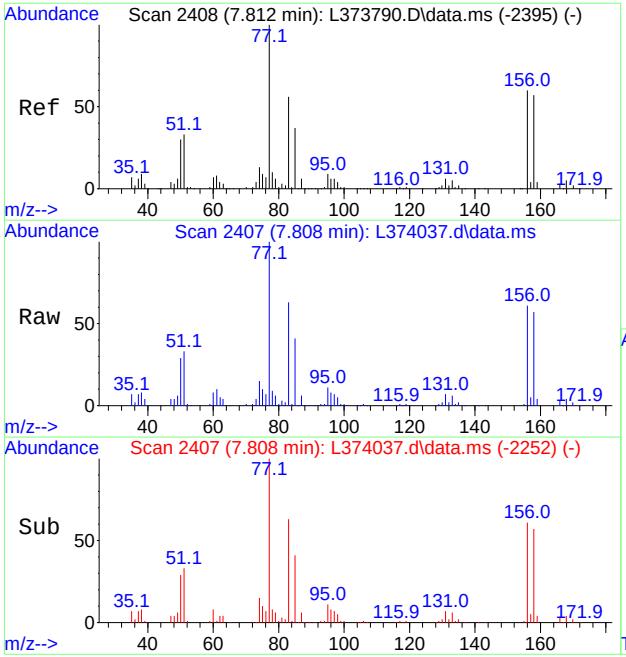


#95
cis-1,4-dichloro-2-butene
Concen: 36.0604 ug/L
RT: 7.568 min Scan# 2332
Delta R.T. -0.003 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 88 Resp: 26150

Ion	Ratio	Lower	Upper
88	100		
75	93.2	66.5	106.5
53	87.9	59.7	99.7
89	45.3	20.7	60.7

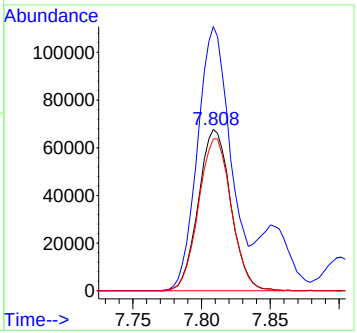


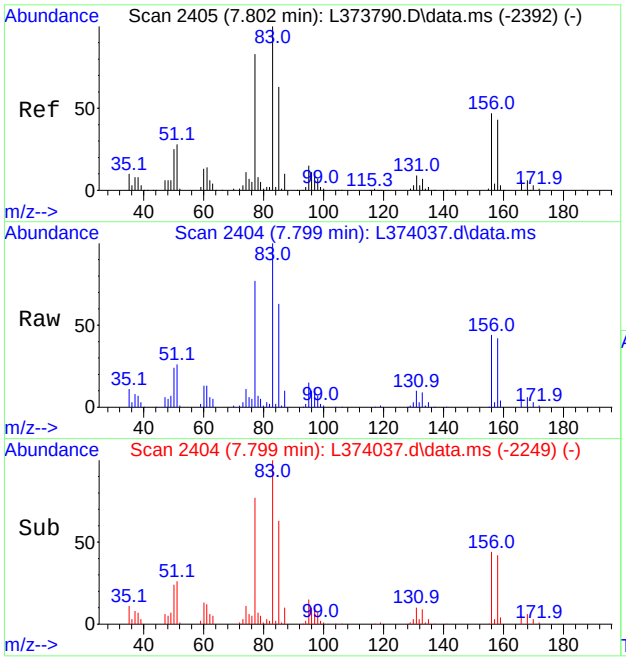


#98
bromobenzene
Concen: 49.9446 ug/L
RT: 7.808 min Scan# 2407
Delta R.T. -0.004 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion:156 Resp: 111199

Ion	Ratio	Lower	Upper
156	100		
77	163.9	137.0	197.0
158	94.1	65.5	125.5

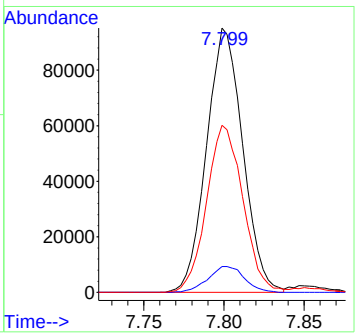


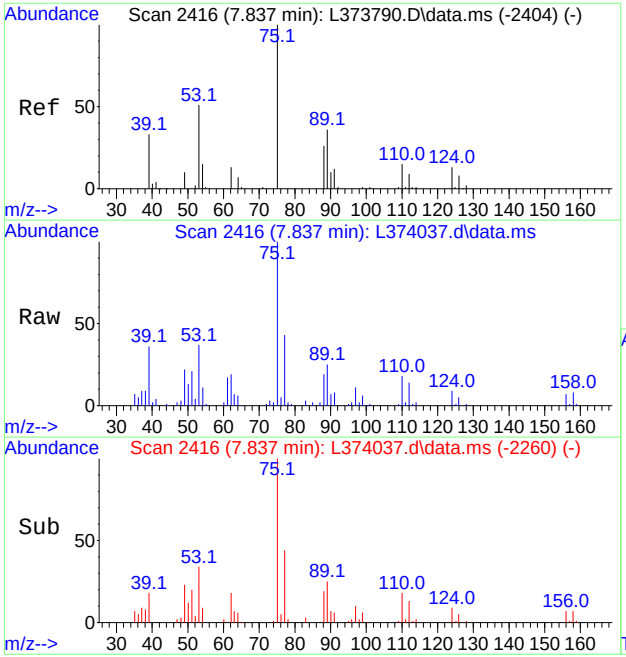


#99
1,1,2,2-tetrachloroethane
Concen: 44.3488 ug/L
RT: 7.799 min Scan# 2404
Delta R.T. -0.003 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 83 Resp: 149583

Ion	Ratio	Lower	Upper
83	100		
131	9.8	0.0	38.9
85	63.2	33.3	93.3

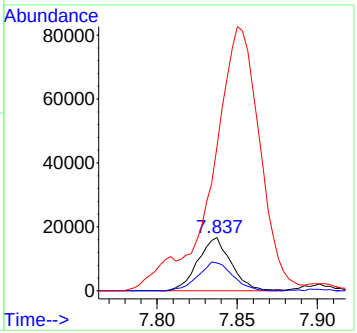


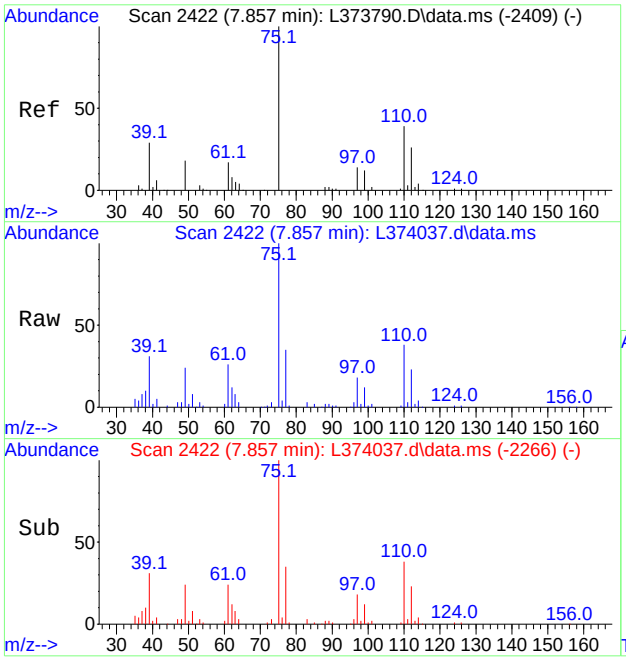


#100
trans-1,4-dichloro-2-butene
Concen: 35.4755 ug/L
RT: 7.837 min Scan# 2416
Delta R.T. 0.000 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 53 Resp: 23985

Ion	Ratio	Lower	Upper
53	100		
88	52.1	21.0	81.0
75	234.9	165.8	225.8#

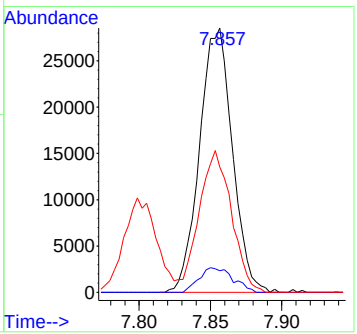


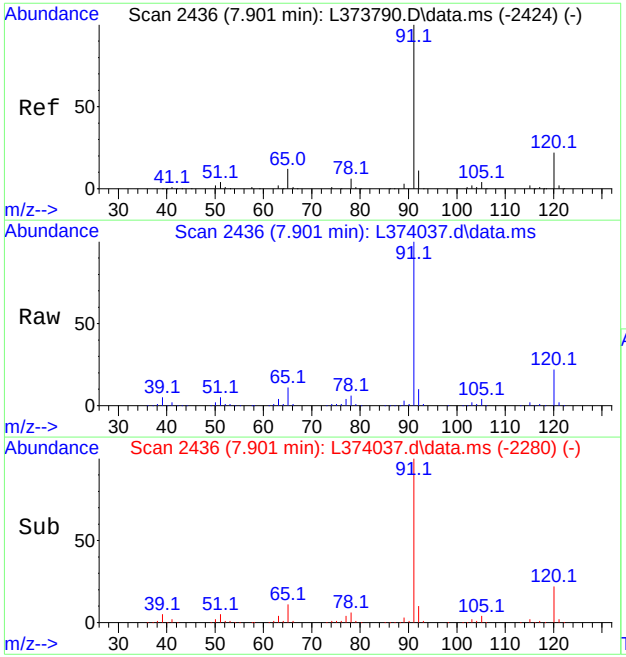


#101
1,2,3-trichloropropane
Concen: 45.3358 ug/L
RT: 7.857 min Scan# 2422
Delta R.T. -0.000 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion:110 Resp: 45695

Ion	Ratio	Lower	Upper
110	100		
111	8.2	0.0	38.4
97	47.3	22.5	82.5

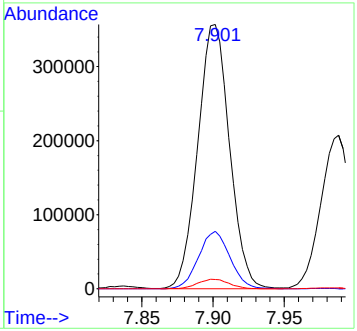


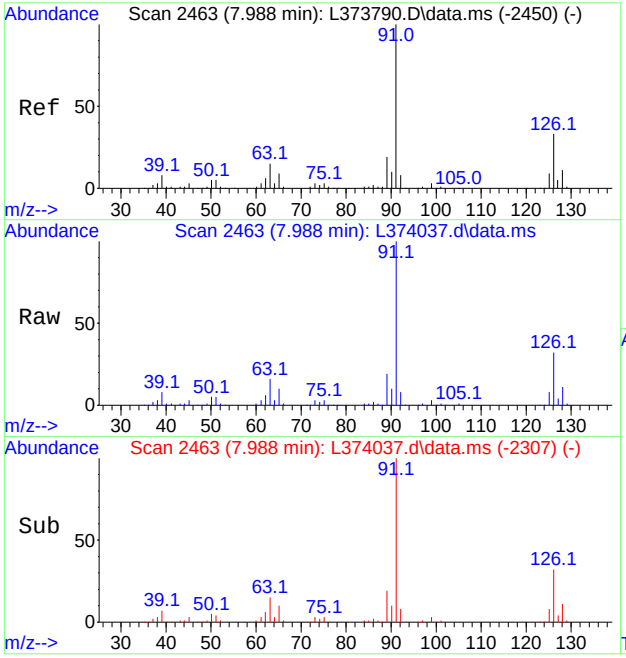


#102
n-propylbenzene
Concen: 51.5969 ug/L
RT: 7.901 min Scan# 2436
Delta R.T. 0.000 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 91 Resp: 555206

Ion	Ratio	Lower	Upper
91	100		
120	21.8	0.0	51.5
105	3.6	0.0	33.7

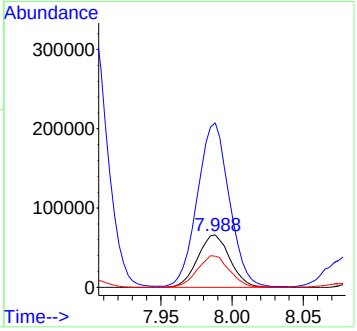


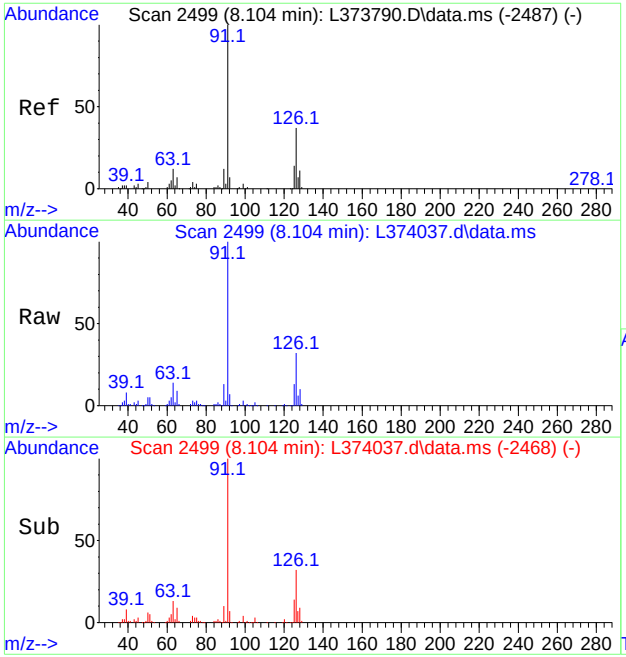


#103
2-chlorotoluene
Concen: 49.9401 ug/L
RT: 7.988 min Scan# 2463
Delta R.T. 0.000 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion:126 Resp: 104282

Ion	Ratio	Lower	Upper
126	100		
91	312.3	276.4	336.4
89	59.6	28.8	88.8

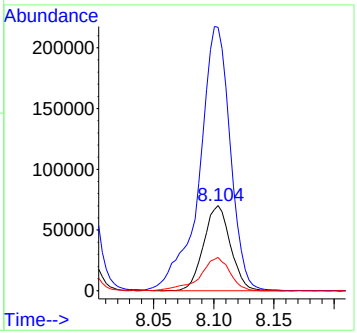


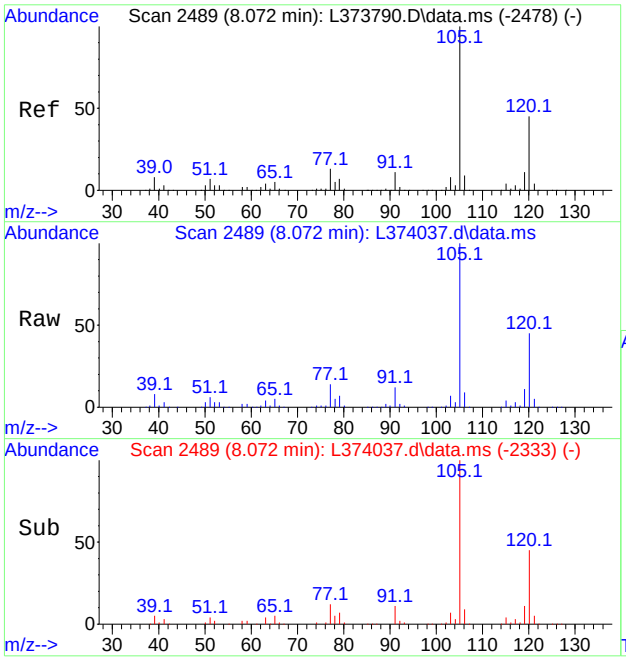


#104
4-chlorotoluene
Concen: 49.1694 ug/L
RT: 8.104 min Scan# 2499
Delta R.T. -0.000 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion:126 Resp: 108900

Ion	Ratio	Lower	Upper
126	100		
91	308.2	265.5	325.5
89	39.0	5.5	65.5

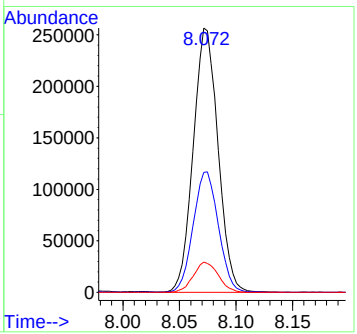


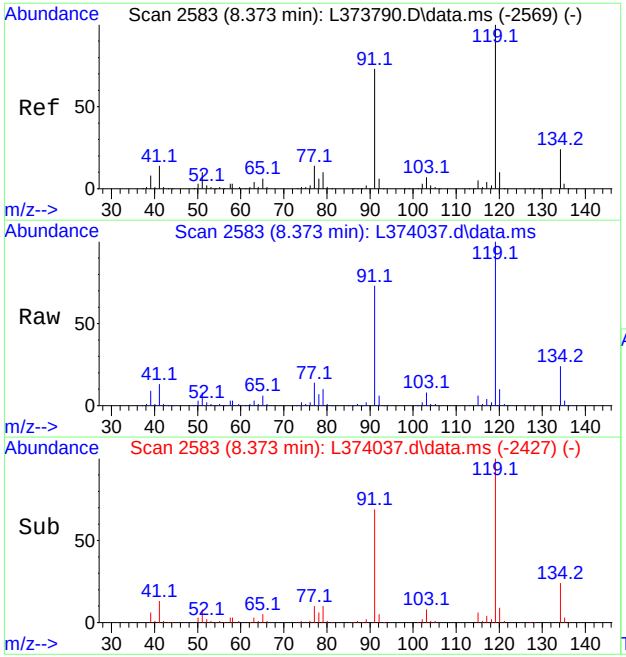


#105
1,3,5-trimethylbenzene
Concen: 52.2682 ug/L
RT: 8.072 min Scan# 2489
Delta R.T. -0.000 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion:105 Resp: 391489

Ion	Ratio	Lower	Upper
105	100		
120	45.4	14.9	74.9
119	11.4	0.0	40.8

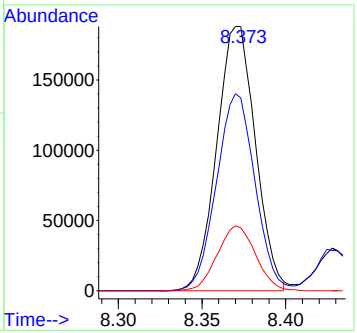


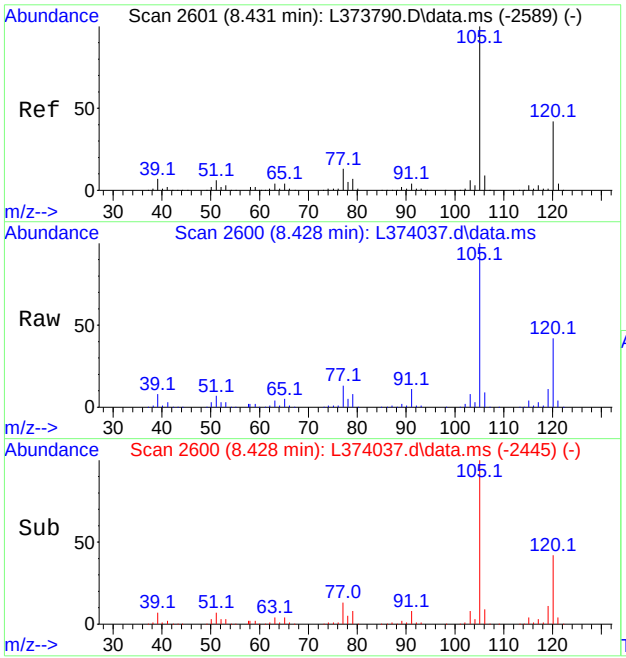


#106
tert-butylbenzene
Concen: 51.2313 ug/L
RT: 8.373 min Scan# 2583
Delta R.T. 0.000 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion:119 Resp: 302687

Ion	Ratio	Lower	Upper
119	100		
91	73.0	42.9	102.9
134	23.9	0.0	54.4

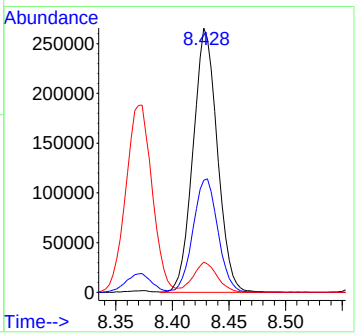


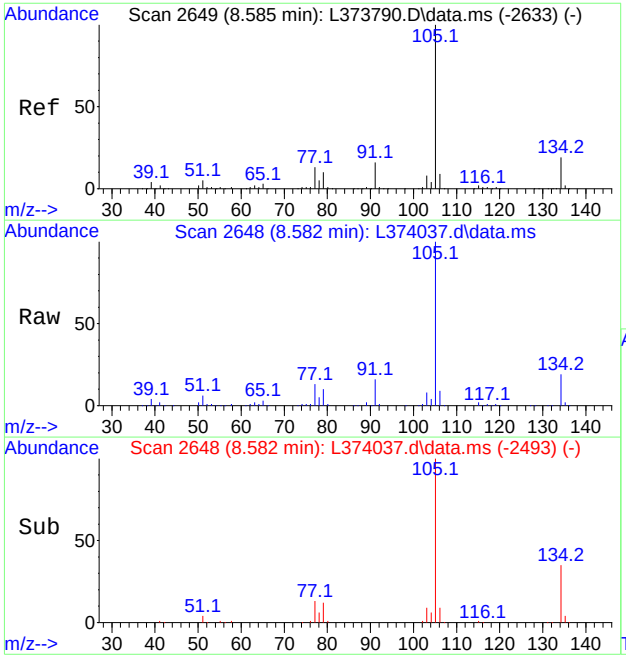


#107
1,2,4-trimethylbenzene
Concen: 52.3414 ug/L
RT: 8.428 min Scan# 2600
Delta R.T. -0.003 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion:105 Resp: 396014

Ion	Ratio	Lower	Upper
105	100		
120	42.4	13.1	73.1
119	11.4	0.0	41.9

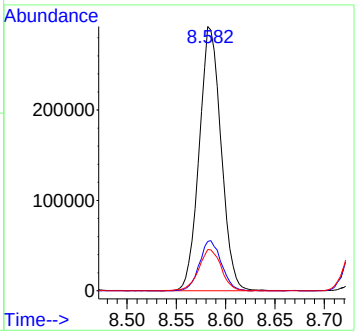


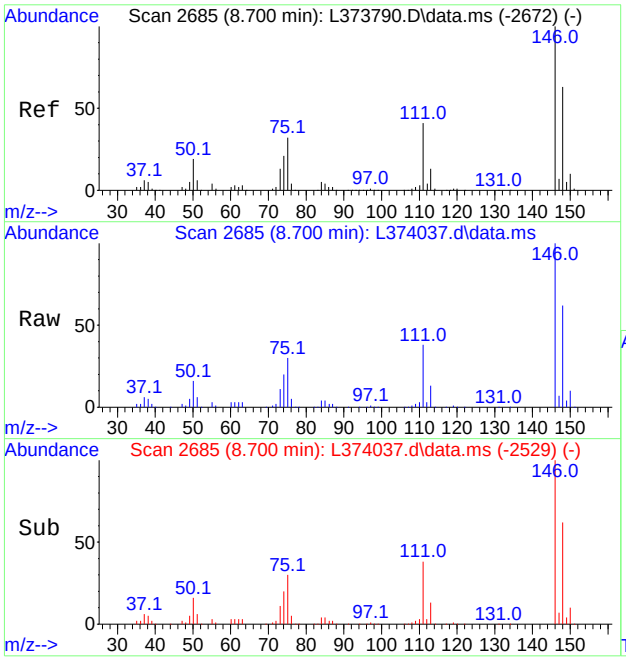


#108
sec-butylbenzene
Concen: 52.5877 ug/L
RT: 8.582 min Scan# 2648
Delta R.T. -0.003 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion:105 Resp: 451049

Ion	Ratio	Lower	Upper
105	100		
134	18.7	0.0	48.8
91	15.6	0.0	45.9

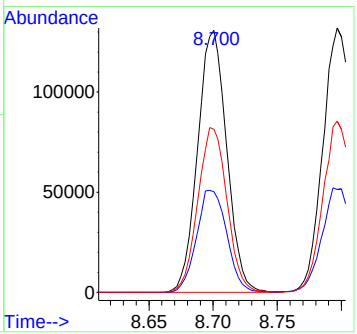


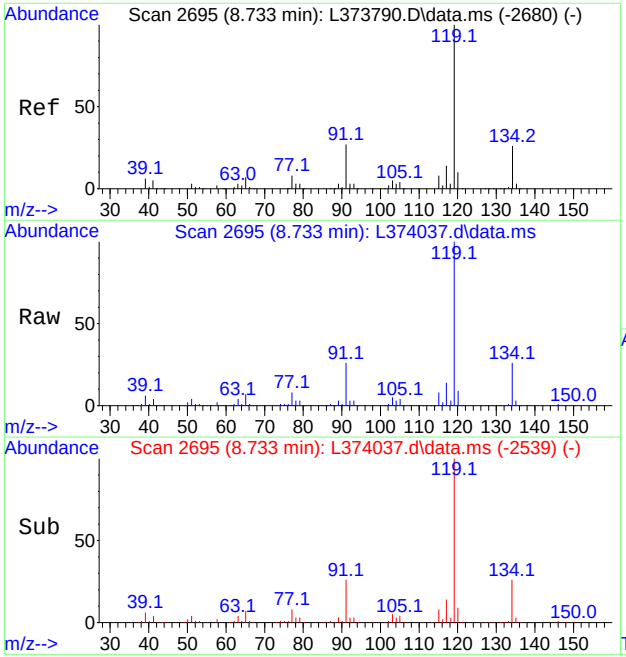


#109
1,3-dichlorobenzene
Concen: 50.1999 ug/L
RT: 8.700 min Scan# 2685
Delta R.T. 0.000 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion:146 Resp: 206696

Ion	Ratio	Lower	Upper
146	100		
111	38.4	11.0	71.0
148	62.3	33.0	93.0

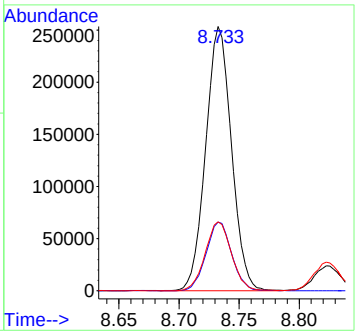


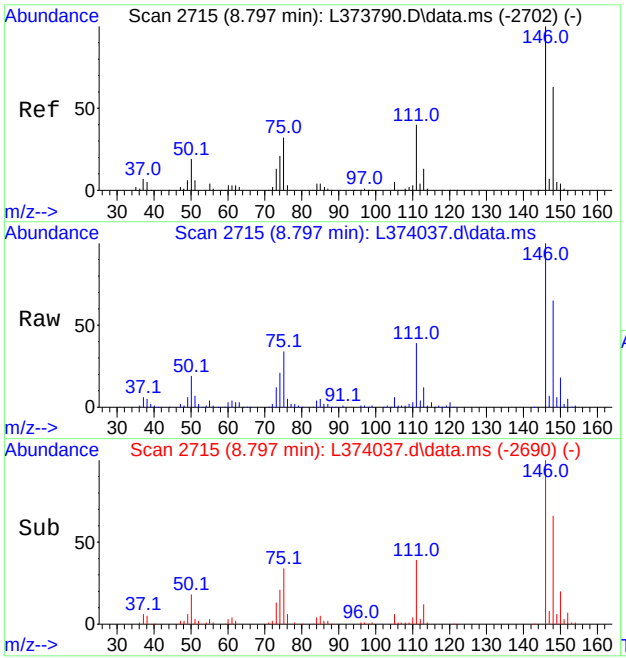


#110
p-isopropyltoluene
Concen: 53.2940 ug/L
RT: 8.733 min Scan# 2695
Delta R.T. -0.000 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion:119 Resp: 377902

Ion	Ratio	Lower	Upper
119	100		
134	26.0	0.0	56.5
91	26.1	0.0	56.9

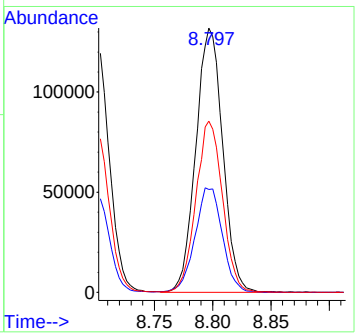


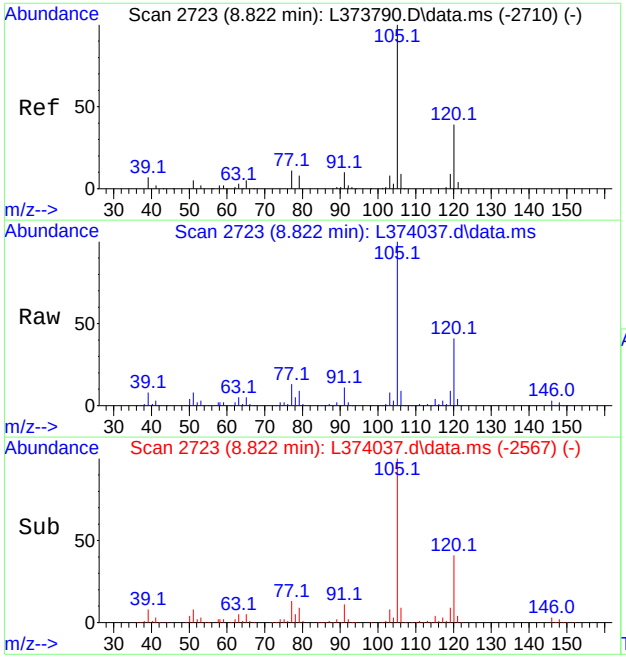


#111
1,4-dichlorobenzene
Concen: 49.8756 ug/L
RT: 8.797 min Scan# 2715
Delta R.T. -0.000 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion:146 Resp: 212149

Ion	Ratio	Lower	Upper
146	100		
111	38.9	9.7	69.7
148	64.8	33.0	93.0

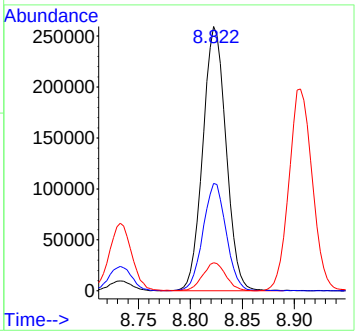


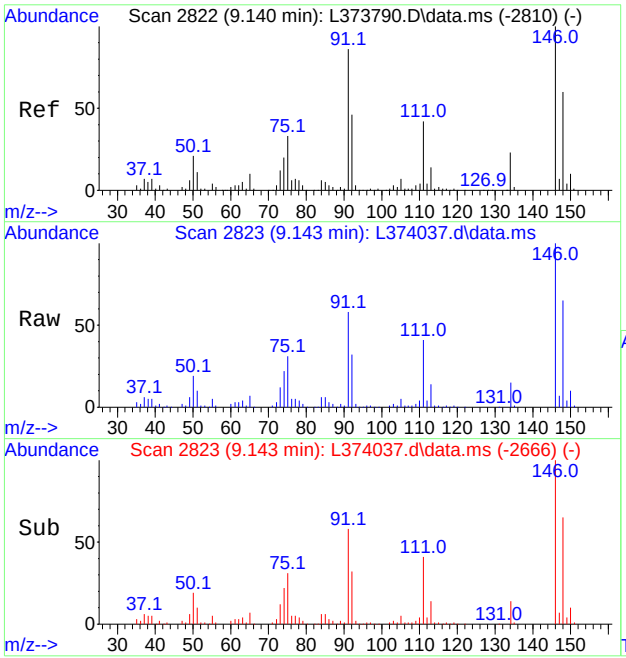


#112
1,2,3-trimethylbenzene
Concen: 50.4809 ug/L
RT: 8.822 min Scan# 2723
Delta R.T. 0.000 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion:105 Resp: 403489

Ion	Ratio	Lower	Upper
105	100		
120	40.6	8.8	68.8
91	10.4	0.0	40.2

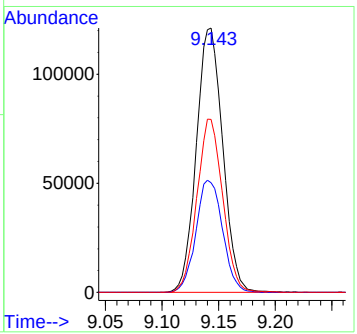


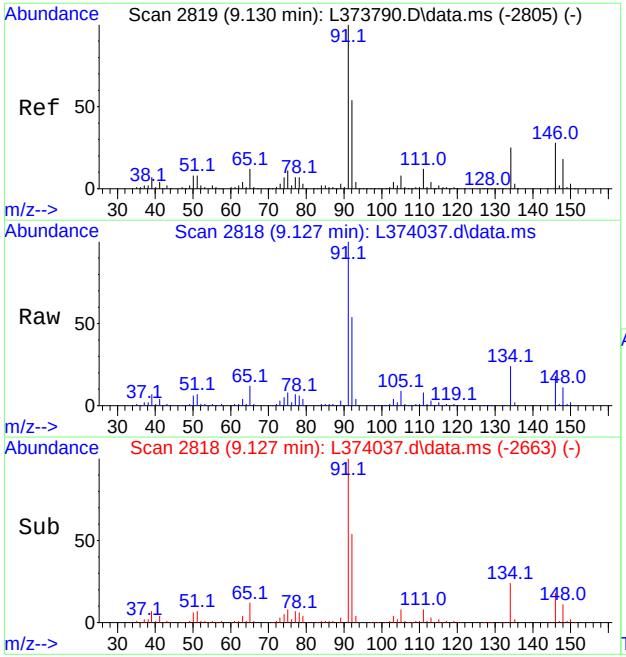


#113
1,2-dichlorobenzene
Concen: 49.6648 ug/L
RT: 9.143 min Scan# 2823
Delta R.T. 0.003 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion:146 Resp: 196440

Ion	Ratio	Lower	Upper
146	100		
111	41.4	12.1	72.1
148	65.4	30.4	90.4

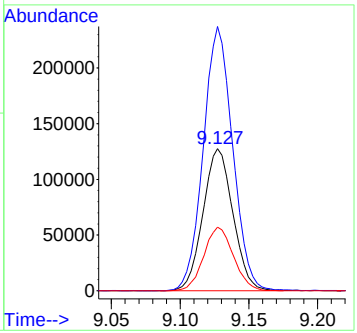


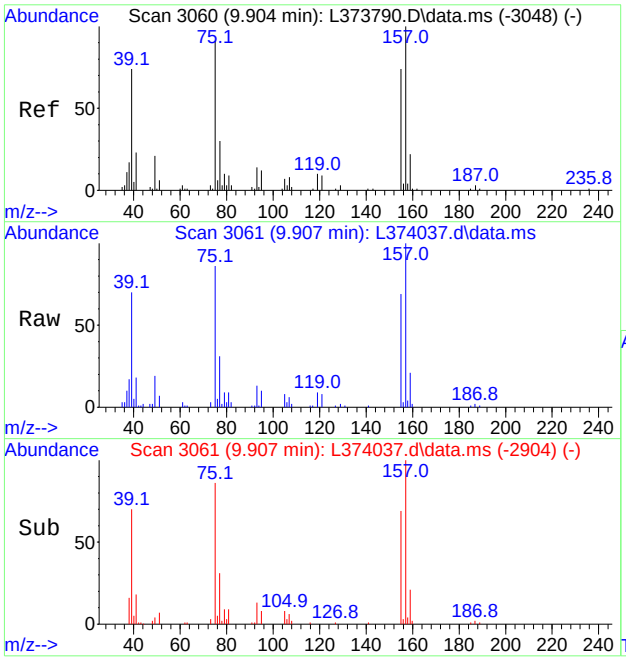


#114
n-butylbenzene
Concen: 54.7255 ug/L
RT: 9.127 min Scan# 2818
Delta R.T. -0.003 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 92 Resp: 193324

Ion	Ratio	Lower	Upper
92	100		
91	185.9	155.4	215.4
134	44.7	15.6	75.6

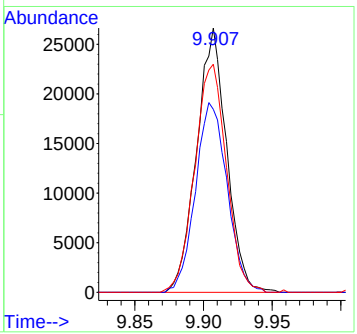


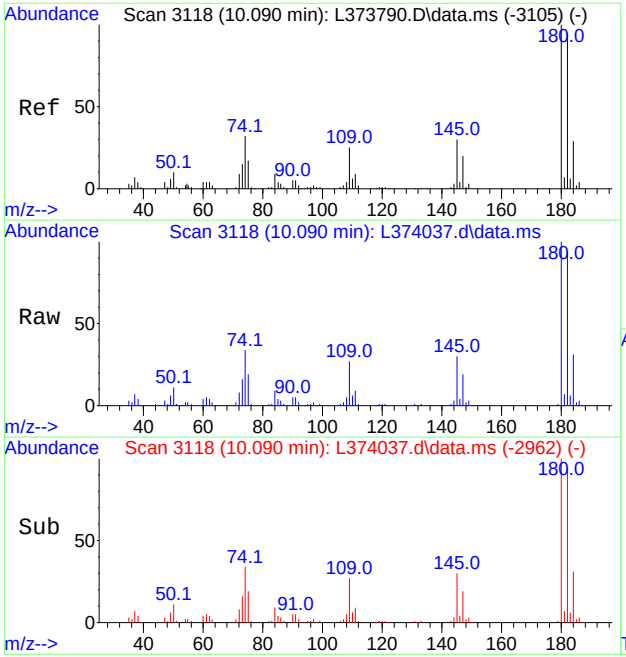


#115
1,2-dibromo-3-chloropropane
Concen: 44.6339 ug/L
RT: 9.907 min Scan# 3061
Delta R.T. 0.003 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion:157 Resp: 40550

Ion	Ratio	Lower	Upper
157	100		
155	69.2	44.1	104.1
75	86.3	60.9	120.9

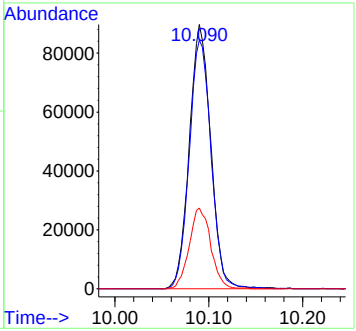


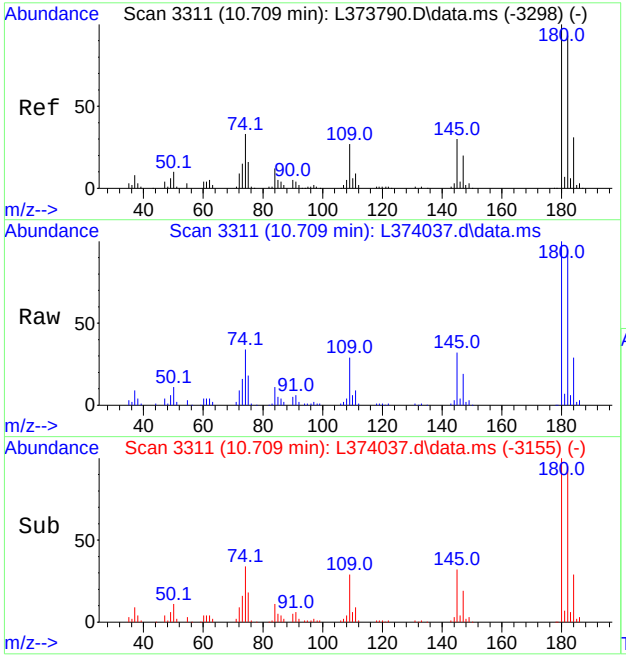


#116
1,3,5-trichlorobenzene
Concen: 56.0703 ug/L
RT: 10.090 min Scan# 3118
Delta R.T. -0.000 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion:180 Resp: 142728

Ion	Ratio	Lower	Upper
180	100		
182	94.0	65.0	125.0
184	30.5	0.0	59.4

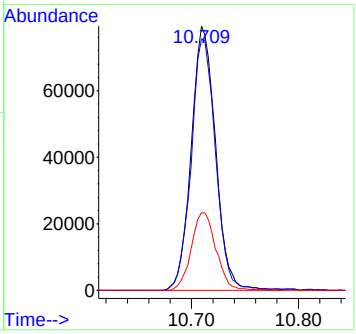


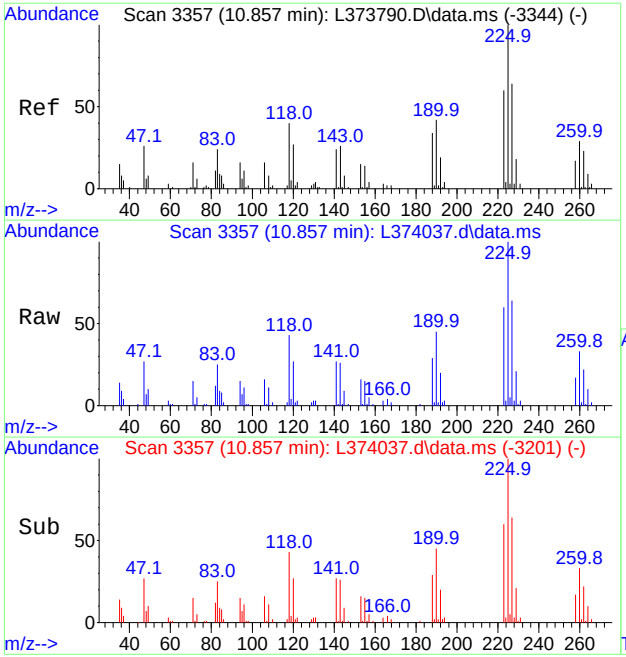


#117
1,2,4-trichlorobenzene
Concen: 55.8756 ug/L
RT: 10.709 min Scan# 3311
Delta R.T. 0.000 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion:180 Resp: 125356

Ion	Ratio	Lower	Upper
180	100		
182	95.2	63.1	123.1
184	29.4	0.8	60.8

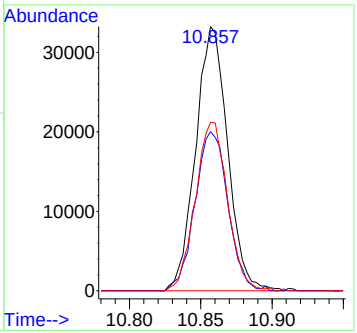


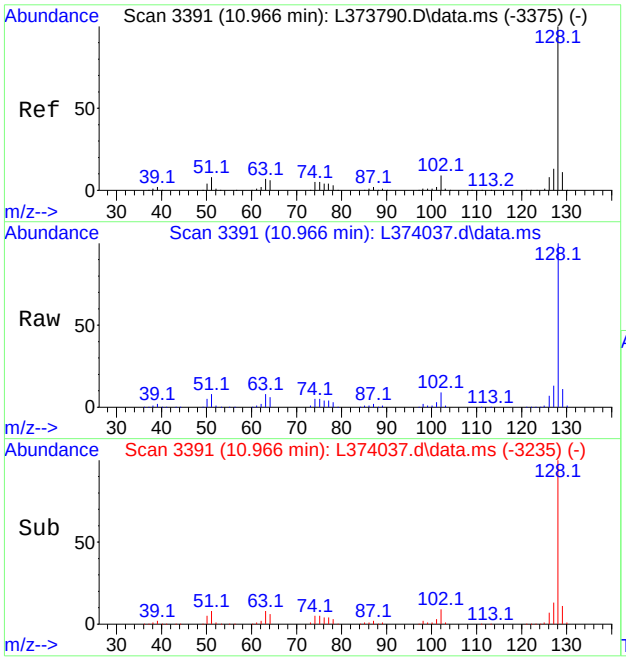


#118
hexachlorobutadiene
Concen: 61.6223 ug/L
RT: 10.857 min Scan# 3357
Delta R.T. -0.000 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion:225 Resp: 51952

Ion	Ratio	Lower	Upper
225	100		
223	60.2	30.0	90.0
227	63.7	33.8	93.8

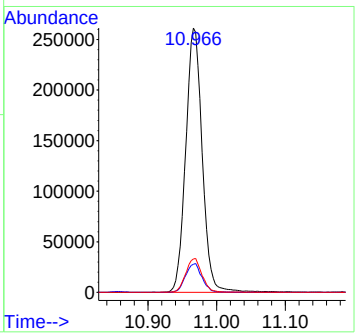


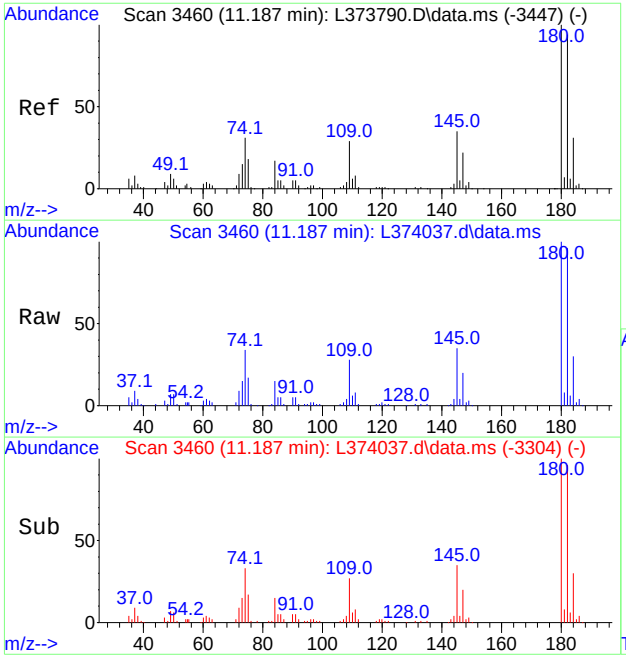


#119
naphthalene
Concen: 52.4957 ug/L
RT: 10.966 min Scan# 3391
Delta R.T. -0.000 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion:128 Resp: 436622

Ion	Ratio	Lower	Upper
128	100		
129	10.7	0.0	41.1
127	12.6	0.0	42.9

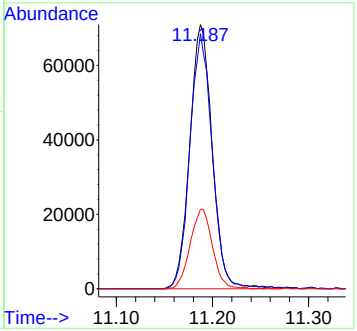


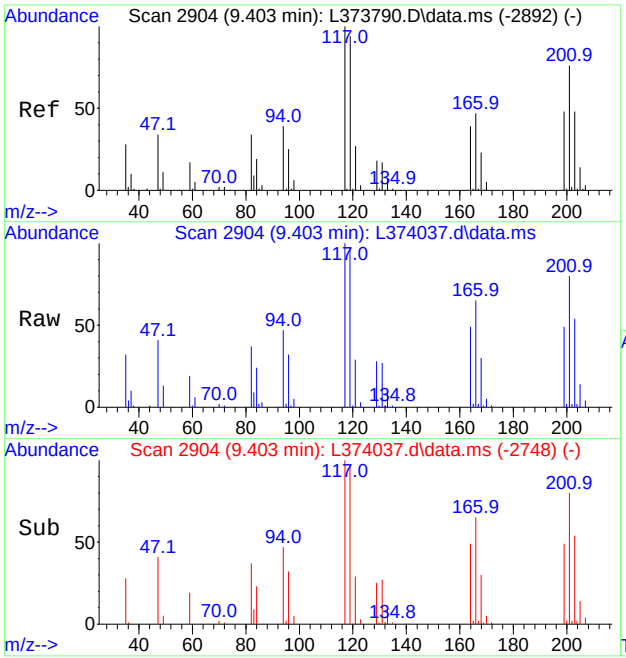


#120
1,2,3-trichlorobenzene
Concen: 54.0836 ug/L
RT: 11.187 min Scan# 3460
Delta R.T. 0.000 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion:180 Resp: 115625

Ion	Ratio	Lower	Upper
180	100		
182	96.5	63.9	123.9
184	30.1	1.2	61.2

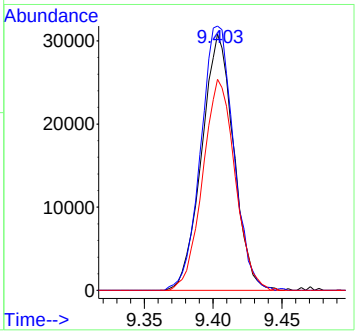


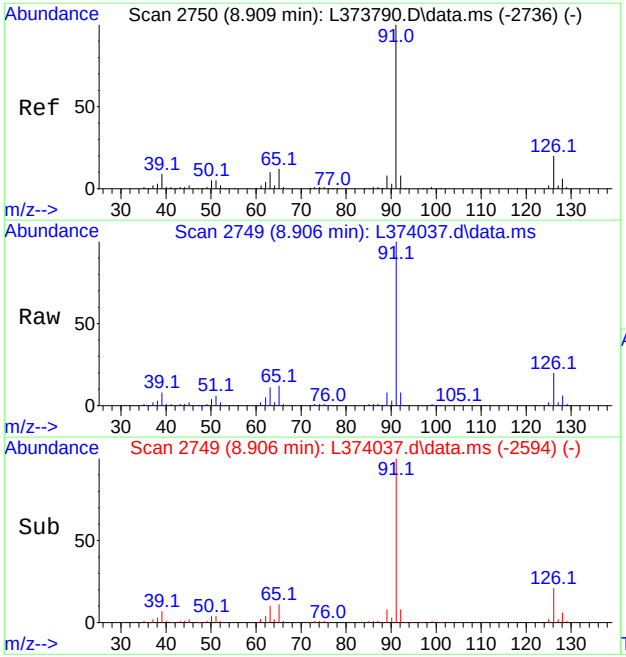


#121
hexachloroethane
Concen: 46.1413 ug/L
RT: 9.403 min Scan# 2904
Delta R.T. 0.000 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion:119 Resp: 49902

Ion	Ratio	Lower	Upper
119	100		
117	103.2	76.2	136.2
201	82.3	51.2	111.2

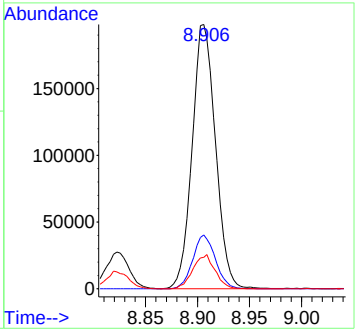


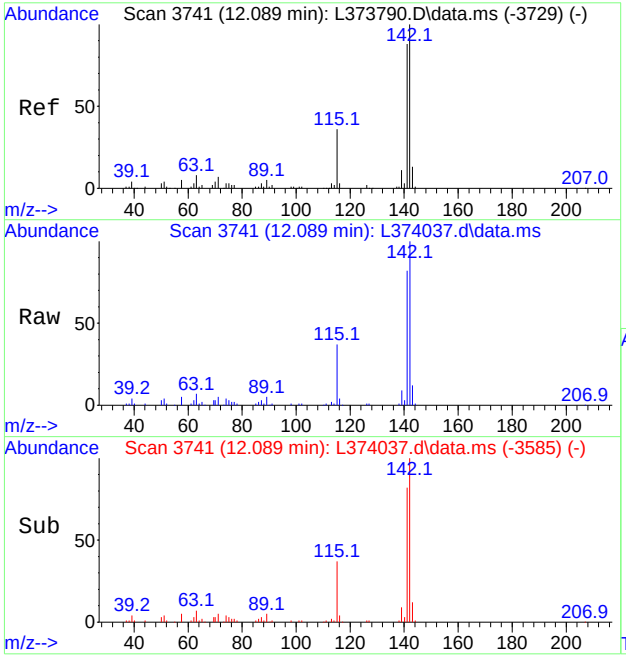


#122
benzyl chloride
Concen: 47.1550 ug/L
RT: 8.906 min Scan# 2749
Delta R.T. -0.003 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion: 91 Resp: 310309

Ion	Ratio	Lower	Upper
91	100		
126	20.4	0.0	49.8
65	11.9	0.0	41.8

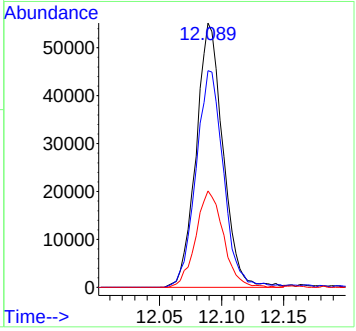




#123
2-methylnaphthalene
Concen: 25.8419 ug/L
RT: 12.089 min Scan# 3741
Delta R.T. 0.000 min
Lab File: L374037.d
Acq: 24 Oct 2025 11:58 am

Tgt Ion:142 Resp: 82922

Ion	Ratio	Lower	Upper
142	100		
141	82.0	68.0	108.0
115	36.5	15.9	55.9



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\adriana2\VL11481\
Data File : L374050.d
Acq On : 24 Oct 2025 5:30 pm
Operator : BridgetK
Sample : je21509-2ms Inst : GCMSL
Misc : MS98392,VL11481,5,,,,5
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Oct 27 05:40:11 2025
Quant Method : C:\msdchem\1\data\adriana2\VL11481\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 13:39:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	2.607	65	214309	500.00	ug/L	0.00
5) pentafluorobenzene	3.752	168	198295	50.00	ug/L	0.00
51) 1,4-difluorobenzene	4.288	114	341007	50.00	ug/L	0.00
72) chlorobenzene-d5	6.611	117	260302	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	8.774	152	130187	50.00	ug/L	0.00
124) pentafluorobenzene(a)	3.752	168	198295	50.00	ug/L	0.00
131) 1,4-dichlorobenzene-d4(a)	8.774	152	130187	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	3.752	113	102662	49.59	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.18%			
52) 1,2-dichloroethane-d4 (s)	3.986	65	122359	49.32	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 98.64%			
73) toluene-d8 (s)	5.392	98	380194	50.36	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.72%			
97) 4-bromofluorobenzene (s)	7.677	95	136225	48.76	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.52%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.705	88	72996	1234.6766	ug/L	99
3) ethanol	2.084	45	225411	5001.5103	ug/L	99
4) tertiary butyl alcohol	2.658	59	153945	232.3129	ug/L	98
6) chlorodifluoromethane	1.365	51	134611	46.3048	ug/L	97
7) dichlorodifluoromethane	1.352	85	168726	57.4475	ug/L	99
8) chloromethane	1.484	50	126477	44.8679	ug/L	98
9) vinyl chloride	1.554	62	138775	49.7476	ug/L	98
10) 1,3-butadiene	1.580	54	127421	49.3728	ug/L	98
11) bromomethane	1.766	96	28761	41.4624	ug/L	99
12) chloroethane	1.836	64	56699	48.4522	ug/L	99
13) trichlorofluoromethane	1.997	101	201890	56.9166	ug/L	99
14) ethyl ether	2.164	74	58794	49.7659	ug/L	92
15) acrolein	2.254	56	20710	40.9115	ug/L	97
16) freon 113	2.321	151	79502	53.1905	ug/L	97
17) 1,1-dichloroethene	2.324	96	95834	51.3043	ug/L	98
18) acetone	2.334	58	64450	175.3327	ug/L	94
19) acetonitrile	2.510	40	125589	436.0129	ug/L	96
20) iodomethane	2.424	142	44445	31.1238	ug/L	98
21) iso-butyl alcohol	3.900	43	95068	380.3854	ug/L	97
22) carbon disulfide	2.475	76	279462	47.5645	ug/L	99
23) methylene chloride	2.626	84	112185	48.6628	ug/L	98
24) methyl acetate	2.523	74	27503	47.3625	ug/L #	83
25) methyl tert butyl ether	2.780	73	534789	86.5433	ug/L	99
26) trans-1,2-dichloroethene	2.793	96	109435	51.5247	ug/L	98
27) hexane	2.960	57	147199	56.1042	ug/L	99
28) di-isopropyl ether	3.069	45	358128	55.3661	ug/L	93
29) ethyl tert-butyl ether	3.300	59	350476	52.7511	ug/L	99
30) 2-butanone	3.412	72	89759	194.1163	ug/L	99
31) 1,1-dichloroethane	3.069	63	202201	50.3984	ug/L	99
32) chloroprene	3.117	53	182540	52.8834	ug/L	97
33) acrylonitrile	2.764	53	46897	42.3523	ug/L	100
34) vinyl acetate	3.046	86	27859	53.0661	ug/L #	85
35) ethyl acetate	3.425	45	24255	42.4007	ug/L	99
36) 2,2-dichloropropane	3.441	77	185259	51.2511	ug/L	97
37) cis-1,2-dichloroethene	3.431	96	118618	50.8287	ug/L	95
38) propionitrile	3.454	54	277758	440.9115	ug/L	94
39) methyl acrylate	3.460	85	24991	50.7434	ug/L #	93
40) bromochloromethane	3.589	128	52724	51.3032	ug/L	93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\adriana2\VL11481\
Data File : L374050.d
Acq On : 24 Oct 2025 5:30 pm
Operator : BridgetK
Sample : je21509-2ms Inst : GCMSL
Misc : MS98392,VL11481,5,,,,5
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Oct 27 05:40:11 2025
Quant Method : C:\msdchem\1\data\adriana2\VL11481\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 13:39:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) tetrahydrofuran	3.601	72	27352	47.4683	ug/L		87
42) chloroform	3.646	83	213082	47.8593	ug/L		97
44) methacrylonitrile	3.553	67	63748	47.4490	ug/L		97
45) 1,1,1-trichloroethane	3.771	97	184845	52.4322	ug/L		98
46) cyclohexane	3.823	84	189390	64.6499	ug/L		90
47) 1,1-dichloropropene	3.874	75	159126	55.6581	ug/L		96
48) carbon tetrachloride	3.877	117	150418	52.3430	ug/L		99
49) isopropyl acetate	4.003	87	31176	48.8833	ug/L	#	84
50) tert amyl alcohol	3.983	55	48218	193.1255	ug/L		93
53) tert-amyl methyl ether	4.080	73	340858	51.3541	ug/L		99
54) 2,2,4-trimethylpentane	4.080	57	272197	55.1025	ug/L		99
55) n-butyl alcohol	4.359	56	376292	1928.9615	ug/L		99
56) benzene	4.015	78	443608	49.9945	ug/L		99
57) heptane	4.192	57	57452	54.8618	ug/L		96
58) 1,2-dichloroethane	4.041	62	167707	49.6523	ug/L		97
59) trichloroethene	4.471	95	118997	53.2669	ug/L		98
60) ethyl acrylate	4.500	55	178667	44.6876	ug/L		99
61) 2-nitropropane	5.004	41	51822	43.6827	ug/L		94
62) 2-chloroethyl vinyl ether	5.042	63	36399	47.3823	ug/L		95
63) methyl methacrylate	4.673	100	36010	48.6259	ug/L		91
64) 1,2-dichloropropane	4.657	63	113650	50.1780	ug/L		98
65) methylcyclohexane	4.644	83	171976	56.1569	ug/L		99
66) dibromomethane	4.724	93	77390	49.5947	ug/L		96
67) bromodichloromethane	4.846	83	156343	48.3690	ug/L		99
68) cis-1,3-dichloropropene	5.177	75	179230	49.4662	ug/L		98
69) epichlorohydrin	5.087	57	96894	209.7805	ug/L		93
70) 4-methyl-2-pentanone	5.280	58	243476	170.9879	ug/L		98
71) 3-methyl-1-butanol	5.315	70	142872	783.8524	ug/L		96
74) toluene	5.447	92	266517	49.8813	ug/L		99
75) trans-1,3-dichloropropene	5.623	75	168163	50.4792	ug/L		98
76) ethyl methacrylate	5.655	69	154730	45.9690	ug/L		98
77) 1,1,2-trichloroethane	5.787	83	89481	50.5123	ug/L		95
78) 2-hexanone	5.957	58	259282	170.7636	ug/L		98
79) tetrachloroethene	5.870	166	113204	52.7479	ug/L		99
80) 1,3-dichloropropane	5.928	76	174246	51.0386	ug/L		99
81) butyl acetate	6.047	56	87155	43.5608	ug/L		99
82) dibromochloromethane	6.111	129	108566	47.5165	ug/L		96
83) 1,2-dibromoethane	6.213	107	109215	50.7444	ug/L		98
84) n-butyl ether	6.708	57	431126	47.9343	ug/L		98
85) chlorobenzene	6.637	112	272862	48.6385	ug/L		99
86) 1,1,1,2-tetrachloroethane	6.711	131	97314	51.2602	ug/L		98
87) ethylbenzene	6.717	91	502227	51.3120	ug/L		100
88) m,p-xylene	6.833	106	382504	101.4746	ug/L		99
89) o-xylene	7.179	106	184233	49.9846	ug/L		96
90) butyl acrylate	7.122	55	238106	44.1644	ug/L		98
91) styrene	7.195	104	308827	49.9710	ug/L		98
92) bromoform	7.362	173	73147	45.0476	ug/L		97
93) n-amyl acetate	7.327	70	91721	45.4594	ug/L		98
94) isopropylbenzene	7.513	105	460741	51.7911	ug/L		98
95) cis-1,4-dichloro-2-butene	7.568	88	26300	34.7274	ug/L		97
98) bromobenzene	7.808	156	111323	48.1837	ug/L		97
99) 1,1,2,2-tetrachloroethane	7.802	83	154530	44.1509	ug/L		98
100) trans-1,4-dichloro-2-b...	7.837	53	23393	33.3428	ug/L		92
101) 1,2,3-trichloropropane	7.853	110	45327	43.3368	ug/L		97
102) n-propylbenzene	7.901	91	561408	50.2777	ug/L		99
103) 2-chlorotoluene	7.988	126	105315	48.6023	ug/L		99
104) 4-chlorotoluene	8.103	126	109305	47.5592	ug/L		87
105) 1,3,5-trimethylbenzene	8.075	105	390511	50.2433	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\adriana2\VL11481\
Data File : L374050.d
Acq On : 24 Oct 2025 5:30 pm
Operator : BridgetK
Sample : je21509-2ms Inst : GCMSL
Misc : MS98392,VL11481,5,,,,5
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Oct 27 05:40:11 2025
Quant Method : C:\msdchem\1\data\adriana2\VL11481\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 13:39:16 2025
Response via : Initial Calibration

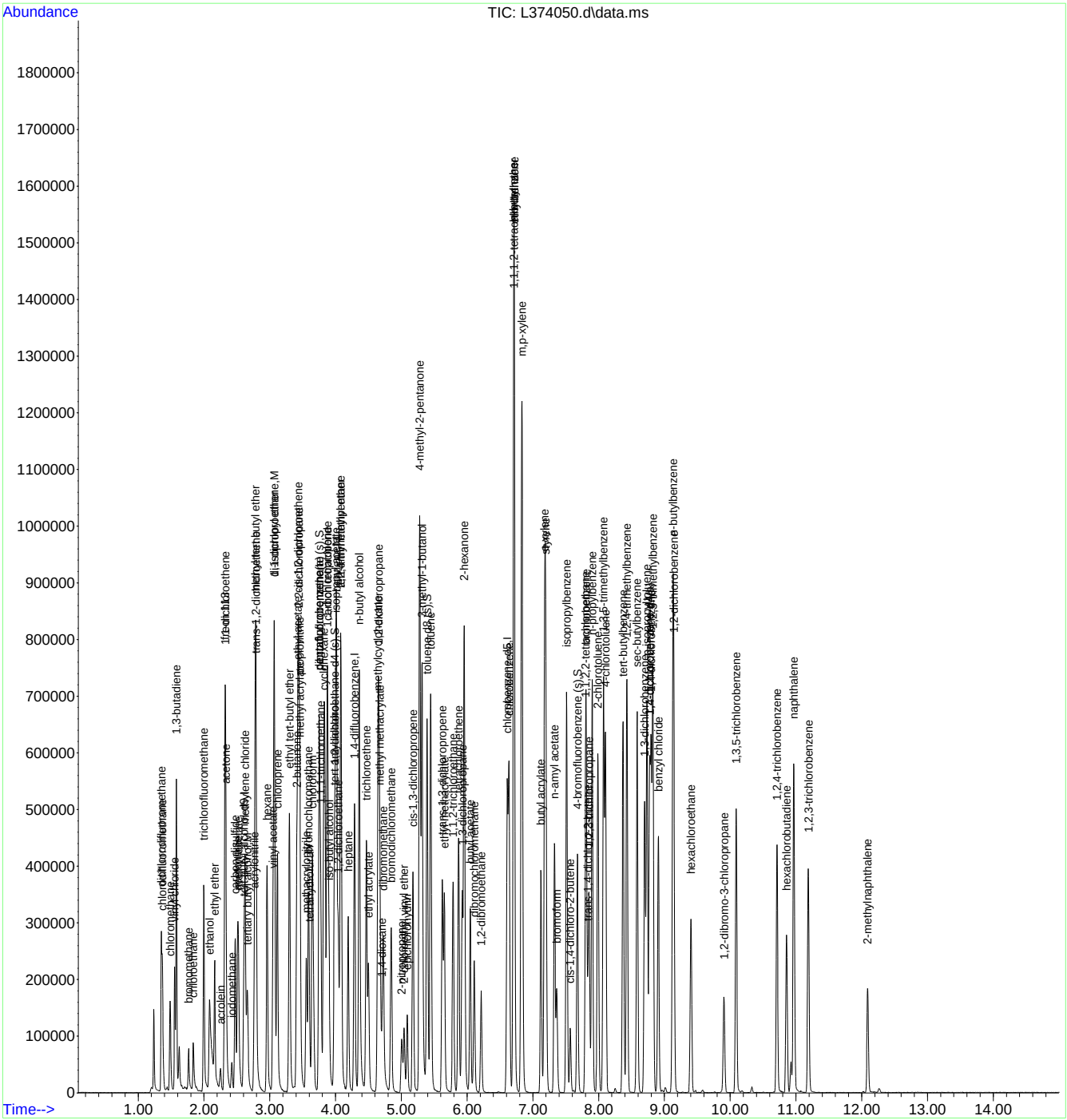
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
106) tert-butylbenzene	8.373	119	301790	49.2236	ug/L	98
107) 1,2,4-trimethylbenzene	8.428	105	398219	50.7206	ug/L	100
108) sec-butylbenzene	8.585	105	452414	50.8305	ug/L	98
109) 1,3-dichlorobenzene	8.700	146	206589	48.3509	ug/L	99
110) p-isopropyltoluene	8.732	119	375956	51.0933	ug/L	98
111) 1,4-dichlorobenzene	8.797	146	212794	48.2096	ug/L	98
112) 1,2,3-trimethylbenzene	8.825	105	406342	48.9908	ug/L	99
113) 1,2-dichlorobenzene	9.143	146	195717	47.6842	ug/L	97
114) n-butylbenzene	9.130	92	193891	52.8918	ug/L	97
115) 1,2-dibromo-3-chloropr...	9.910	157	41959	44.5068	ug/L	99
116) 1,3,5-trichlorobenzene	10.090	180	146670	55.5255	ug/L	99
117) 1,2,4-trichlorobenzene	10.709	180	127633	54.8235	ug/L	96
118) hexachlorobutadiene	10.857	225	49907	57.0459	ug/L	96
119) naphthalene	10.966	128	442774	51.3012	ug/L	99
120) 1,2,3-trichlorobenzene	11.190	180	116457	52.4937	ug/L	100
121) hexachloroethane	9.403	119	51955	46.2942	ug/L	96
122) benzyl chloride	8.909	91	317523	46.4982	ug/L	99
123) 2-methylnaphthalene	12.089	142	88440	26.5602	ug/L	97

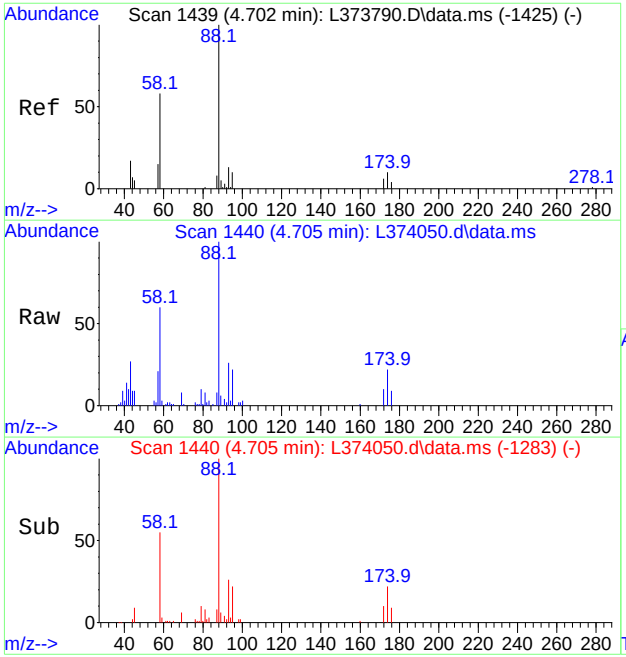
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\adriana2\VL11481\
Data File : L374050.d
Acq On : 24 Oct 2025 5:30 pm
Operator : BridgetK
Sample : je21509-2ms Inst : GCMSL
Misc : MS98392,VL11481,5,,,,5
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Oct 27 05:40:11 2025
Quant Method : C:\msdchem\1\data\adriana2\VL11481\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 13:39:16 2025
Response via : Initial Calibration

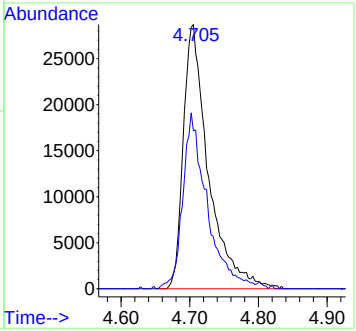


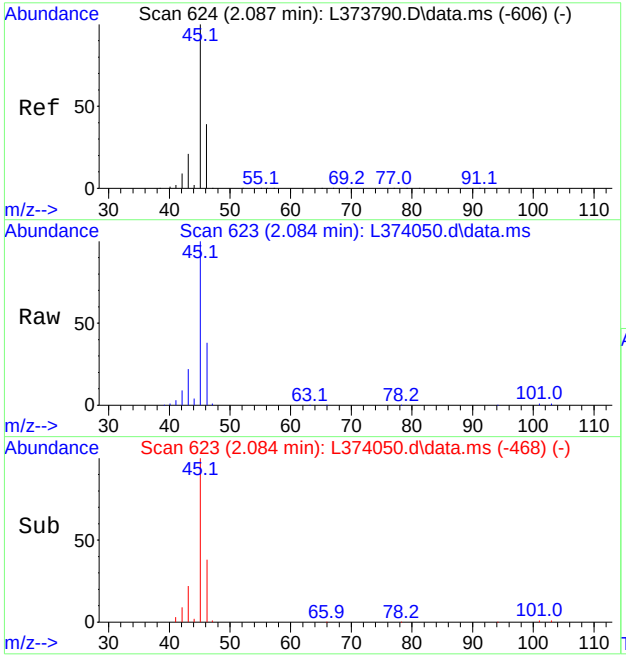


#2
1,4-dioxane
Concen: 1234.6766 ug/L
RT: 4.705 min Scan# 1440
Delta R.T. 0.003 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 88 Resp: 72996

Ion	Ratio	Lower	Upper
88	100		
58	59.7	29.1	89.1

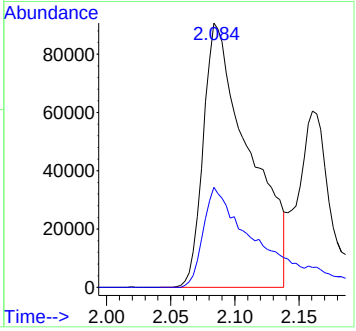


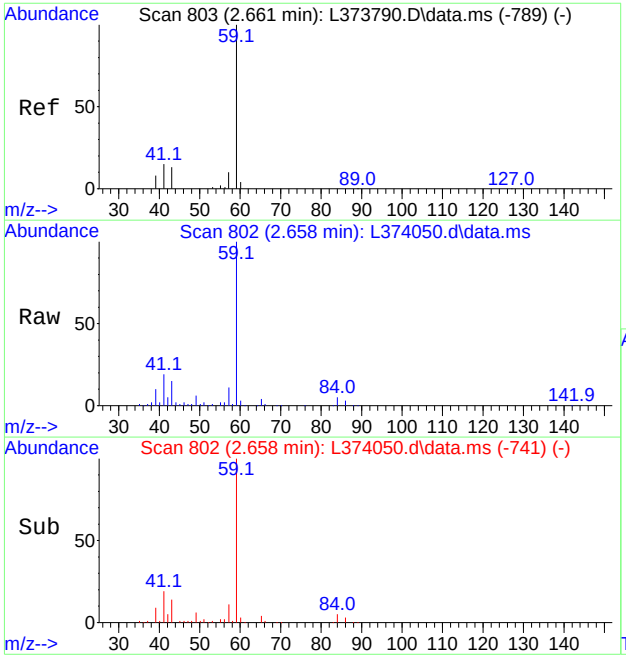


#3
ethanol
Concen: 5001.5103 ug/L
RT: 2.084 min Scan# 623
Delta R.T. -0.003 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 45 Resp: 225411

Ion	Ratio	Lower	Upper
45	100		
46	37.9	18.6	58.6

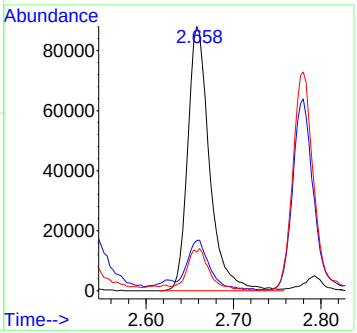


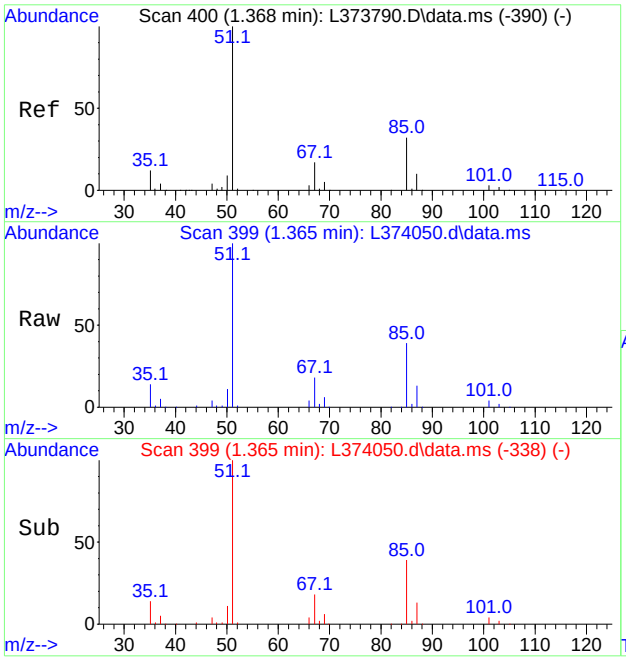


#4
tertiary butyl alcohol
Concen: 232.3129 ug/L
RT: 2.658 min Scan# 802
Delta R.T. -0.003 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 59 Resp: 153945

Ion	Ratio	Lower	Upper
59	100		
41	16.2	0.0	45.3
43	13.0	0.0	43.5

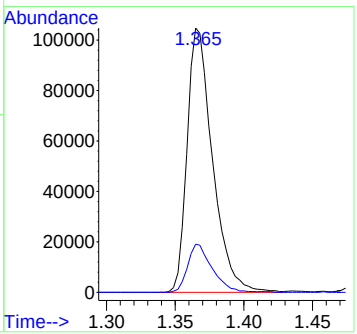


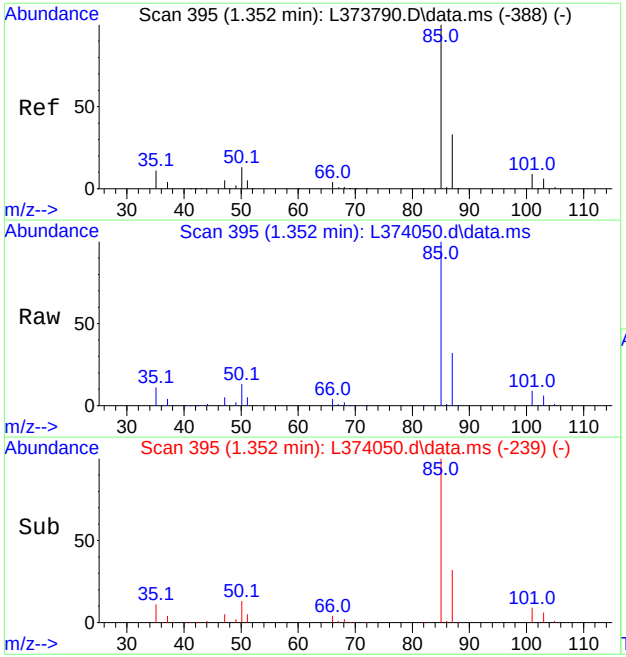


#6
chlorodifluoromethane
Concen: 46.3048 ug/L
RT: 1.365 min Scan# 399
Delta R.T. -0.003 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 51 Resp: 134611

Ion	Ratio	Lower	Upper
51	100		
67	18.3	0.0	37.0

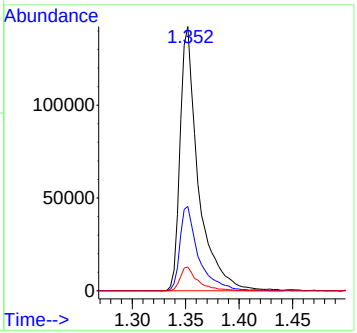


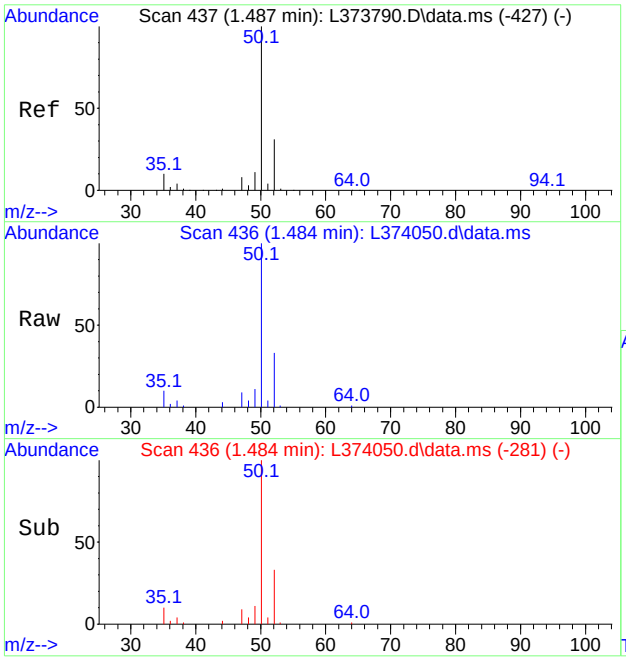


#7
dichlorodifluoromethane
Concen: 57.4475 ug/L
RT: 1.352 min Scan# 395
Delta R.T. -0.000 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 85 Resp: 168726

Ion	Ratio	Lower	Upper
85	100		
87	31.9	2.8	62.8
101	9.0	0.0	38.9

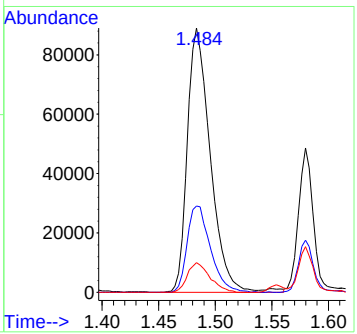


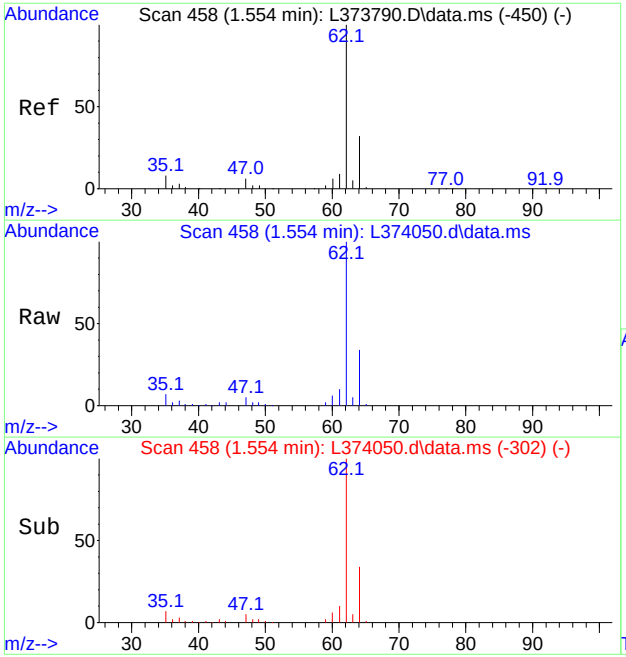


#8
chloromethane
Concen: 44.8679 ug/L
RT: 1.484 min Scan# 436
Delta R.T. -0.004 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 50 Resp: 126477

Ion	Ratio	Lower	Upper
50	100		
52	32.6	1.5	61.5
49	11.3	0.0	41.1

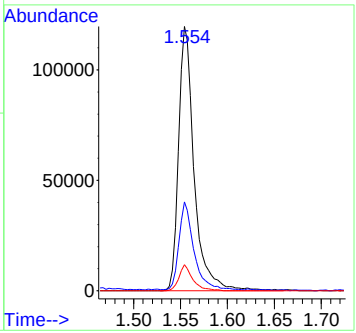


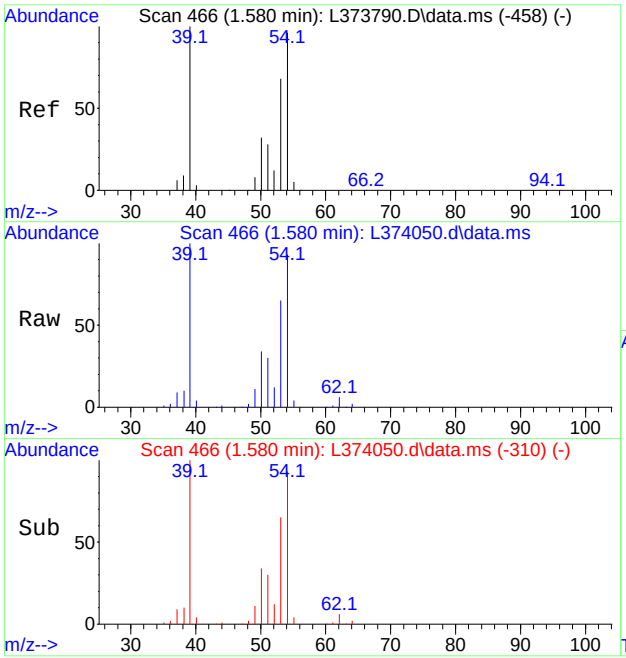


#9
vinyl chloride
Concen: 49.7476 ug/L
RT: 1.554 min Scan# 458
Delta R.T. 0.000 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 62 Resp: 138775

Ion	Ratio	Lower	Upper
62	100		
64	33.2	2.2	62.2
61	9.9	0.0	38.5

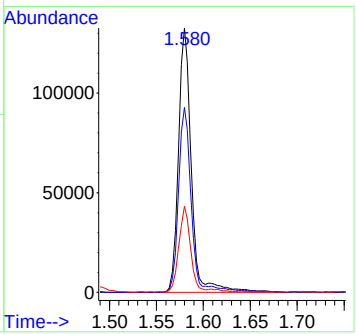


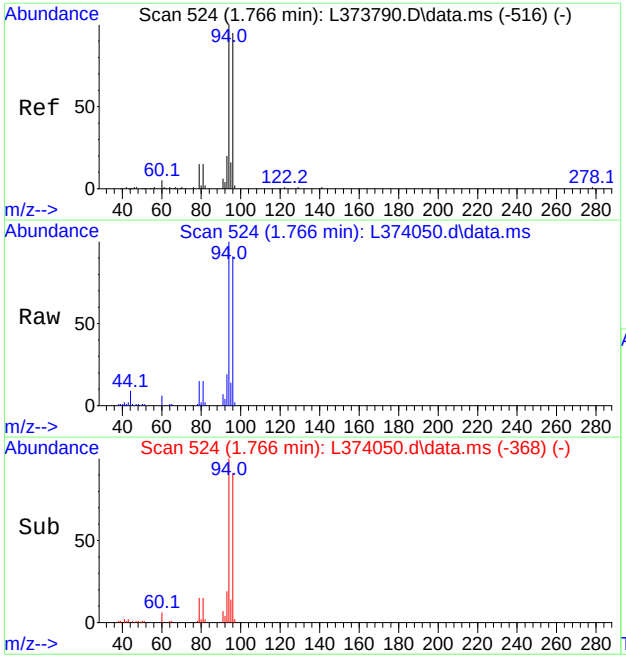


#10
1,3-butadiene
Concen: 49.3728 ug/L
RT: 1.580 min Scan# 466
Delta R.T. -0.000 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 54 Resp: 127421

Ion	Ratio	Lower	Upper
54	100		
53	70.0	40.7	100.7
51	32.4	0.0	59.5

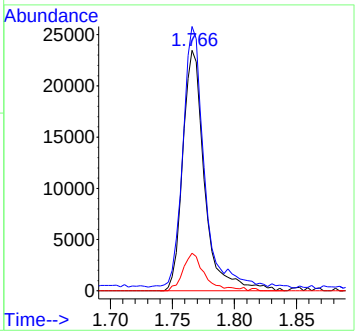


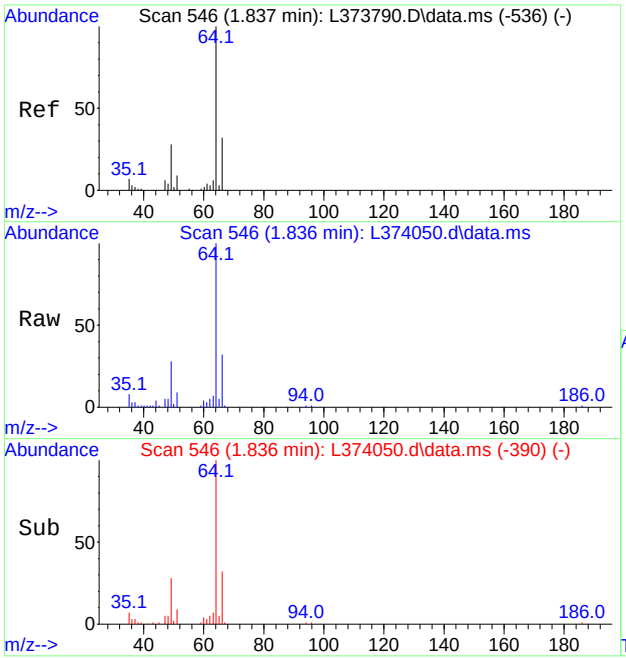


#11
bromomethane
Concen: 41.4624 ug/L
RT: 1.766 min Scan# 524
Delta R.T. -0.000 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 96 Resp: 28761

Ion	Ratio	Lower	Upper
96	100		
94	108.0	76.7	136.7
95	15.6	0.0	46.3

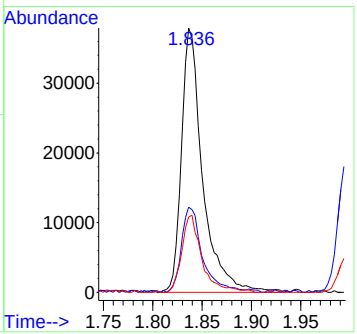


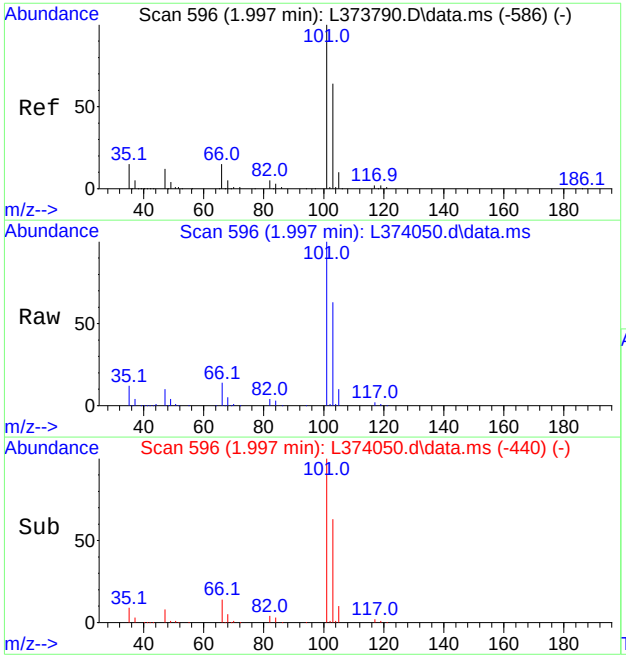


#12
chloroethane
Concen: 48.4522 ug/L
RT: 1.836 min Scan# 546
Delta R.T. -0.001 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 64 Resp: 56699

Ion	Ratio	Lower	Upper
64	100		
66	32.2	1.8	61.8
49	28.5	0.0	57.7

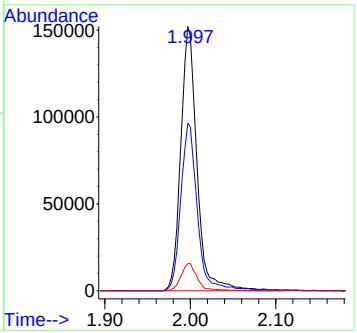


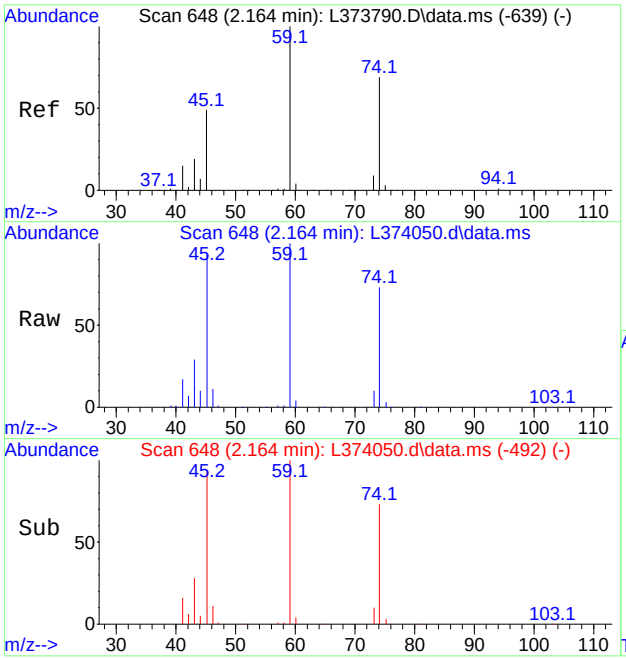


#13
trichlorofluoromethane
Concen: 56.9166 ug/L
RT: 1.997 min Scan# 596
Delta R.T. -0.000 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion:101 Resp: 201890

Ion	Ratio	Lower	Upper
101	100		
103	63.4	33.8	93.8
105	10.3	0.0	40.0

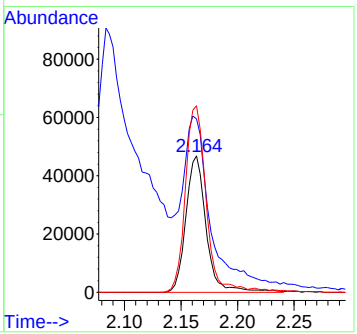


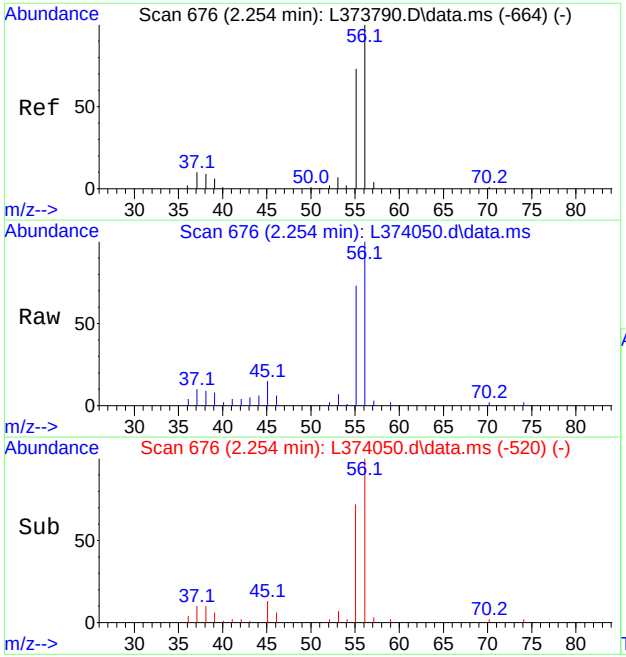


#14
ethyl ether
Concen: 49.7659 ug/L
RT: 2.164 min Scan# 648
Delta R.T. -0.000 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 74 Resp: 58794

Ion	Ratio	Lower	Upper
74	100		
45	120.1	102.0	162.0
59	136.9	114.2	174.2

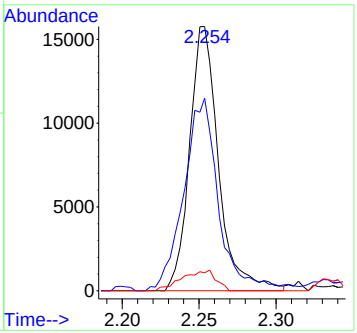


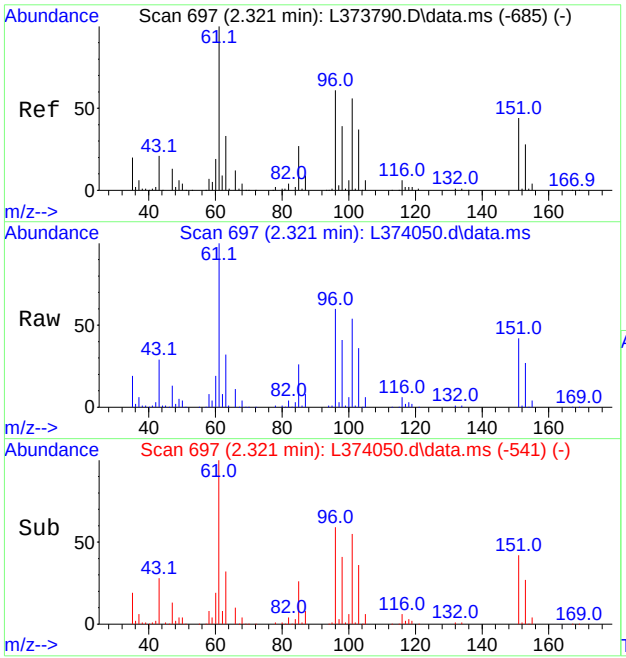


#15
acrolein
Concen: 40.9115 ug/L
RT: 2.254 min Scan# 676
Delta R.T. -0.000 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 56 Resp: 20710

Ion	Ratio	Lower	Upper
56	100		
55	70.6	42.9	102.9
53	6.8	0.0	38.0

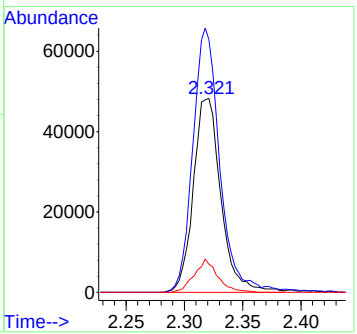


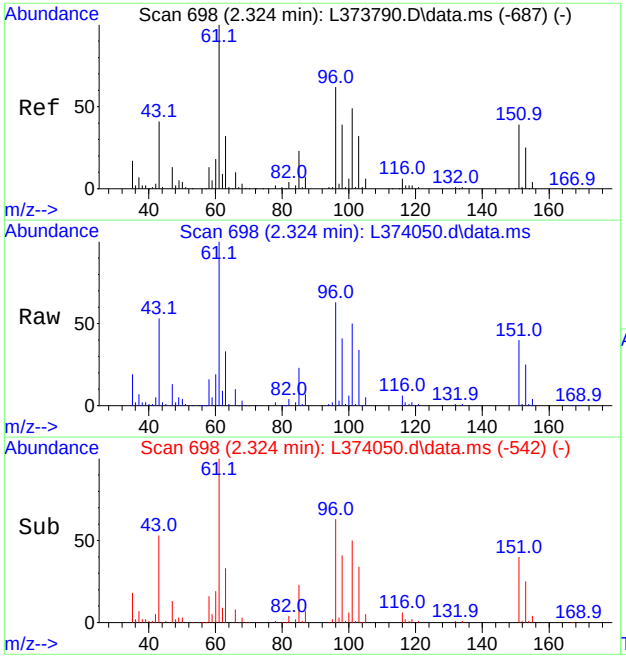


#16
freon 113
Concen: 53.1905 ug/L
RT: 2.321 min Scan# 697
Delta R.T. 0.000 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion:151 Resp: 79502

Ion	Ratio	Lower	Upper
151	100		
101	130.4	107.4	147.4
116	14.5	0.0	33.9

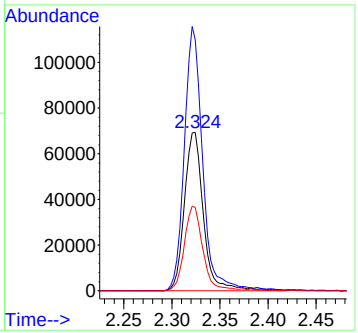


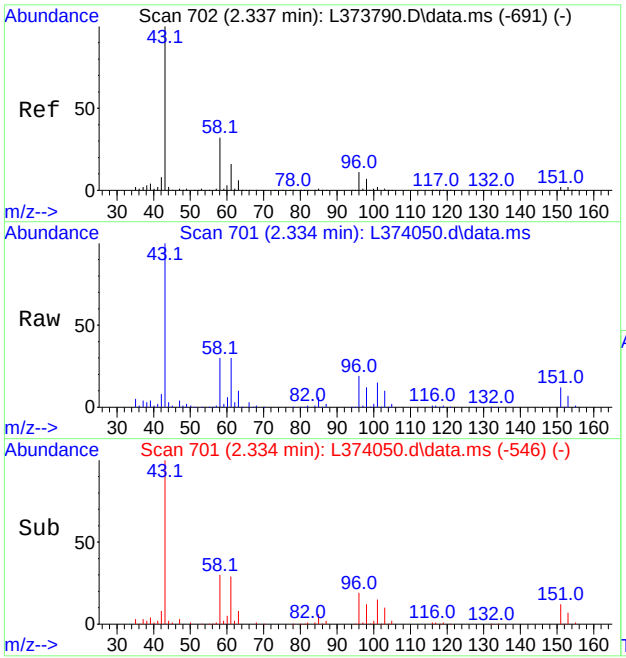


#17
1,1-dichloroethene
Concen: 51.3043 ug/L
RT: 2.324 min Scan# 698
Delta R.T. 0.000 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 96 Resp: 95834

Ion	Ratio	Lower	Upper
96	100		
61	158.3	131.4	191.4
63	52.7	22.3	82.3

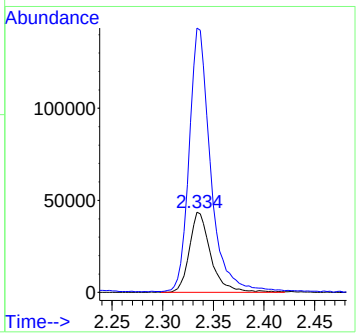


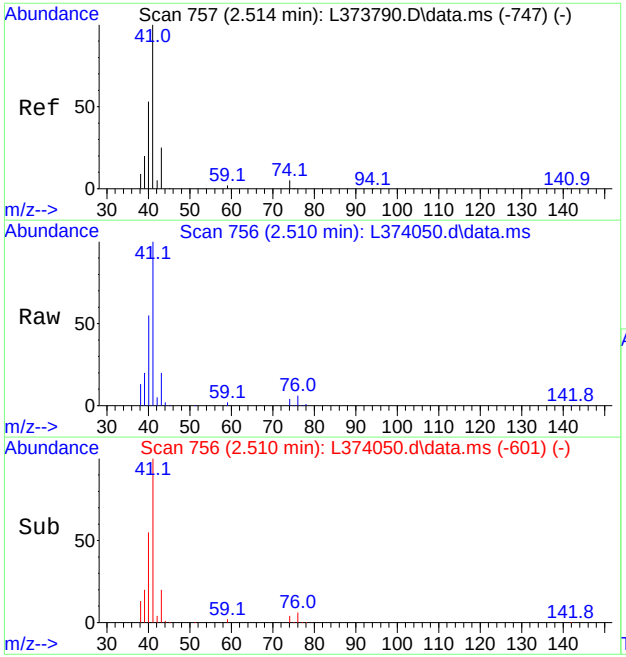


#18
acetone
Concen: 175.3327 ug/L
RT: 2.334 min Scan# 701
Delta R.T. -0.003 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 58 Resp: 64450

Ion	Ratio	Lower	Upper
58	100		
43	328.9	286.5	346.5

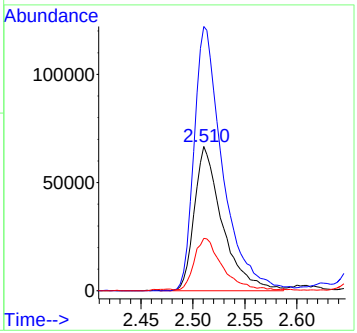


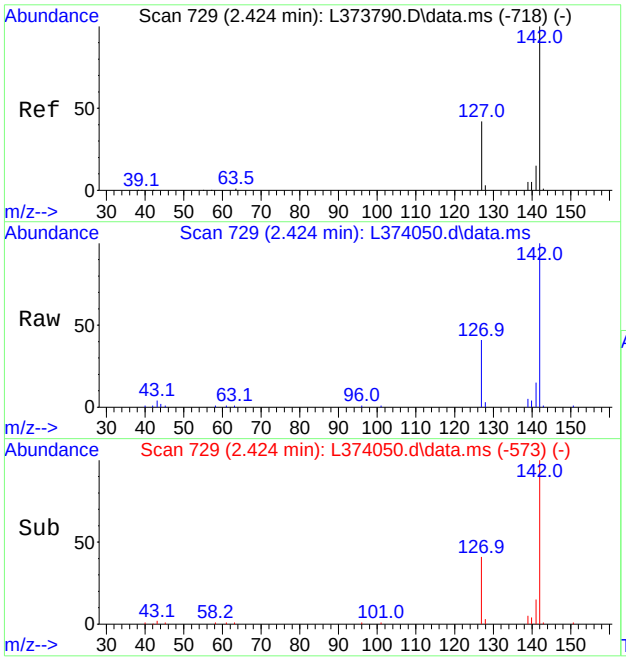


#19
acetonitrile
Concen: 436.0129 ug/L
RT: 2.510 min Scan# 756
Delta R.T. -0.004 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 40 Resp: 125589

Ion	Ratio	Lower	Upper
40	100		
41	183.2	158.5	218.5
39	35.5	8.2	68.2

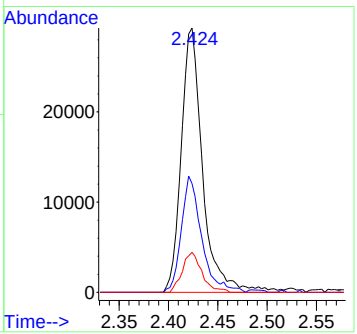


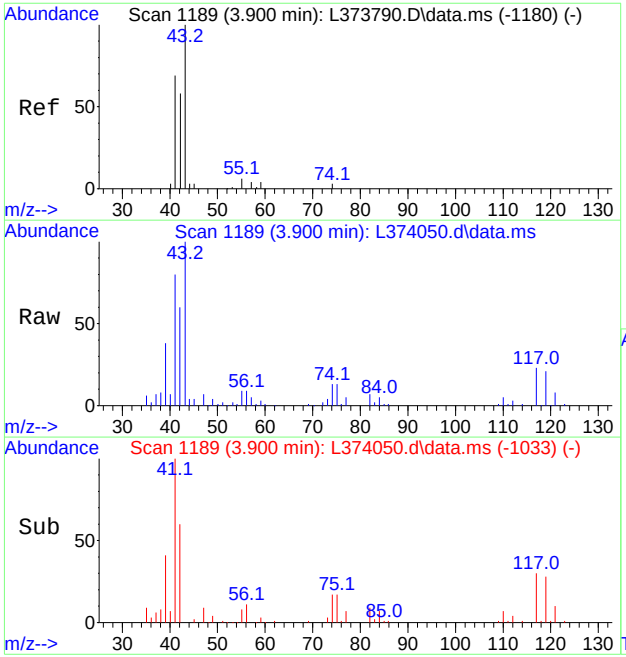


#20
iodomethane
Concen: 31.1238 ug/L
RT: 2.424 min Scan# 729
Delta R.T. -0.000 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion:142 Resp: 44445

Ion	Ratio	Lower	Upper
142	100		
127	41.2	12.2	72.2
141	15.2	0.0	44.6

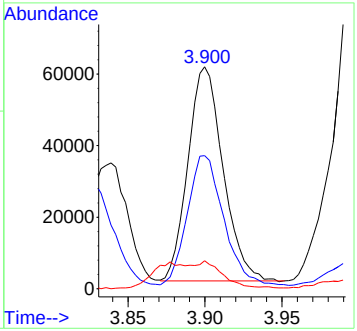


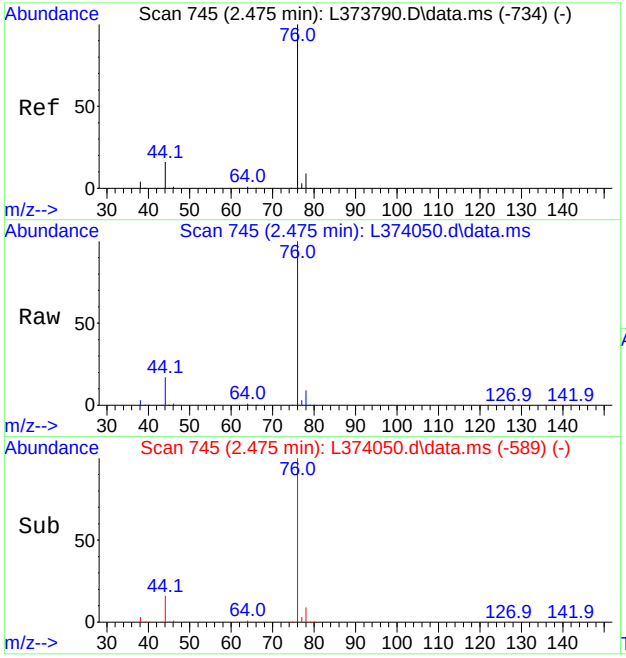


#21
iso-butyl alcohol
Concen: 380.3854 ug/L
RT: 3.900 min Scan# 1189
Delta R.T. -0.000 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 43 Resp: 95068

Ion	Ratio	Lower	Upper
43	100		
42	60.3	28.3	88.3
74	12.8	0.0	40.9

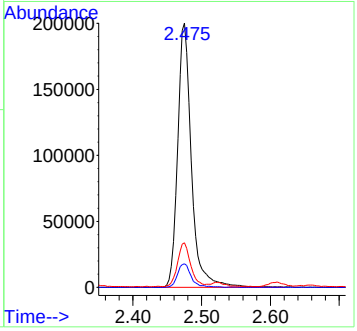


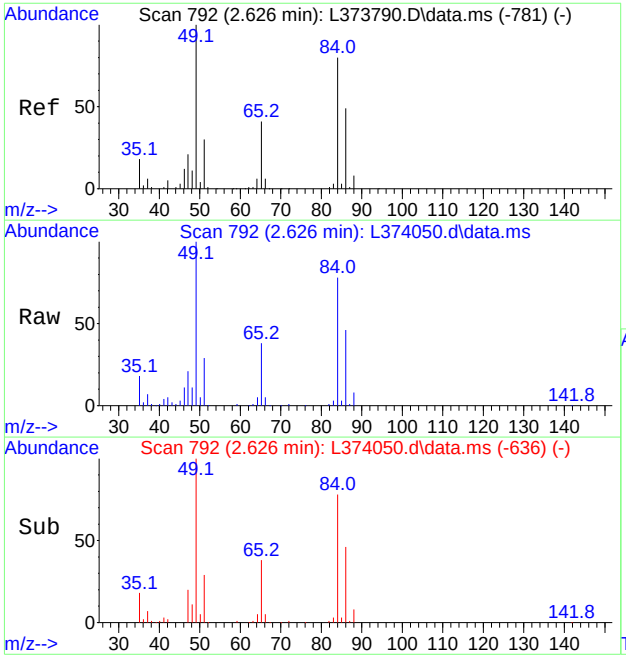


#22
carbon disulfide
Concen: 47.5645 ug/L
RT: 2.475 min Scan# 745
Delta R.T. 0.000 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 76 Resp: 279462

Ion	Ratio	Lower	Upper
76	100		
78	9.0	0.0	38.9
44	16.5	0.0	46.1

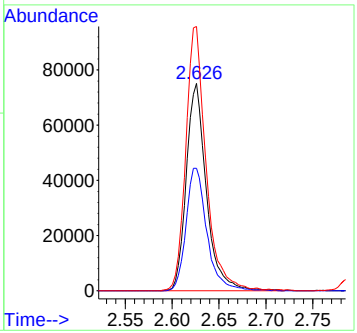


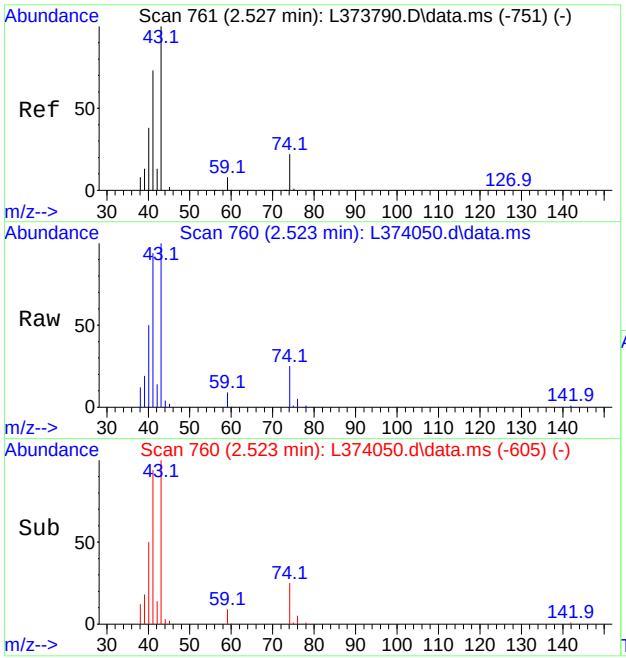


#23
methylene chloride
Concen: 48.6628 ug/L
RT: 2.626 min Scan# 792
Delta R.T. -0.000 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 84 Resp: 112185

Ion	Ratio	Lower	Upper
84	100		
86	59.1	31.2	91.2
49	127.6	95.6	155.6

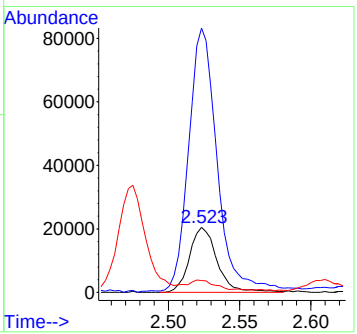


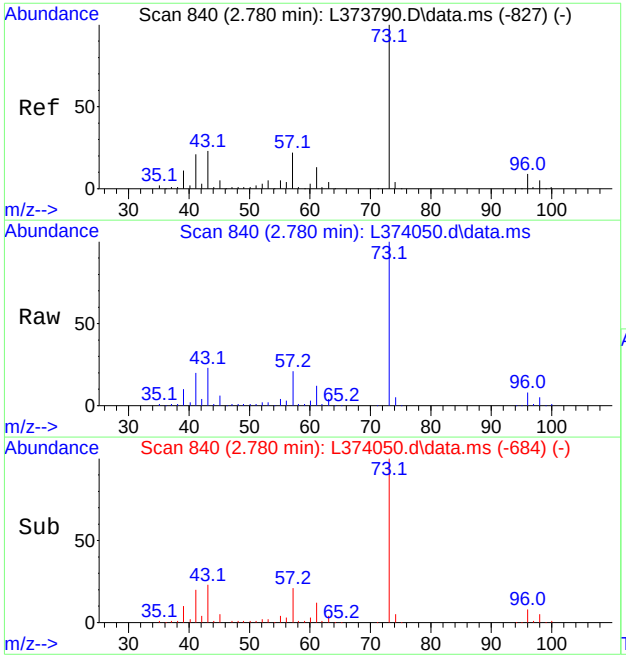


#24
methyl acetate
Concen: 47.3625 ug/L
RT: 2.523 min Scan# 760
Delta R.T. -0.004 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 74 Resp: 27503

Ion	Ratio	Lower	Upper
74	100		
43	404.1	417.7	477.7#
44	14.9	0.0	39.0

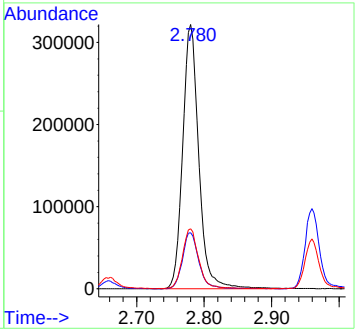


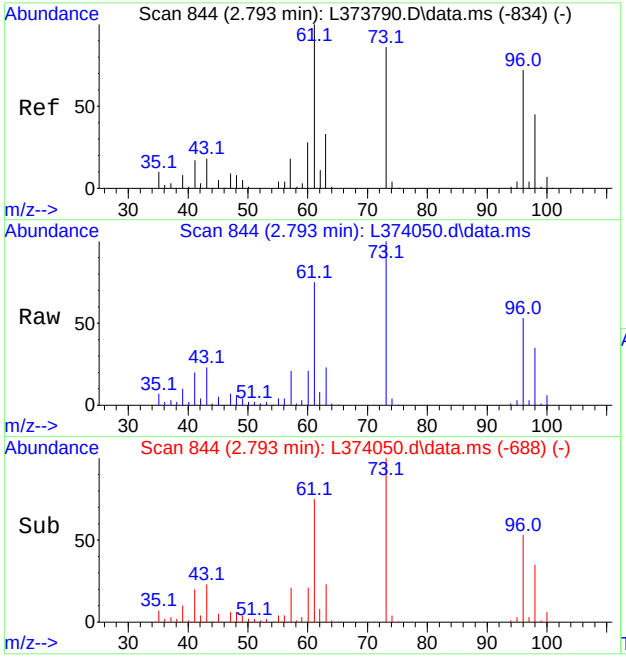


#25
methyl tert butyl ether
Concen: 86.5433 ug/L
RT: 2.780 min Scan# 840
Delta R.T. -0.000 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 73 Resp: 534789

Ion	Ratio	Lower	Upper
73	100		
57	21.2	0.0	52.4
43	22.6	0.0	52.7

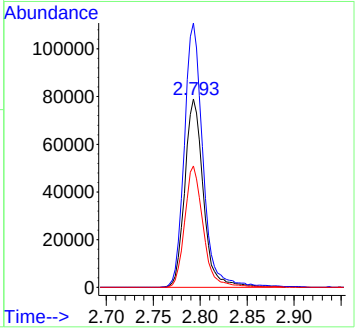


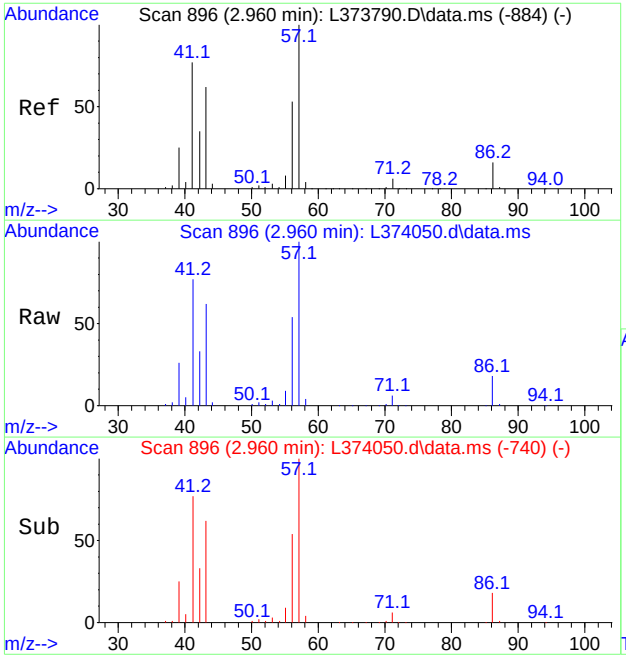


#26
trans-1,2-dichloroethene
Concen: 51.5247 ug/L
RT: 2.793 min Scan# 844
Delta R.T. -0.000 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 96 Resp: 109435

Ion	Ratio	Lower	Upper
96	100		
61	140.4	109.1	169.1
98	64.5	32.0	92.0

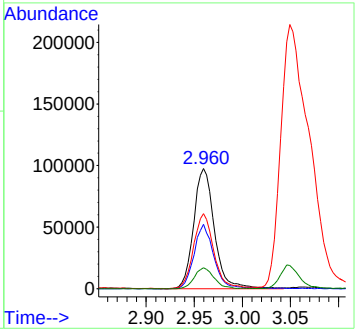


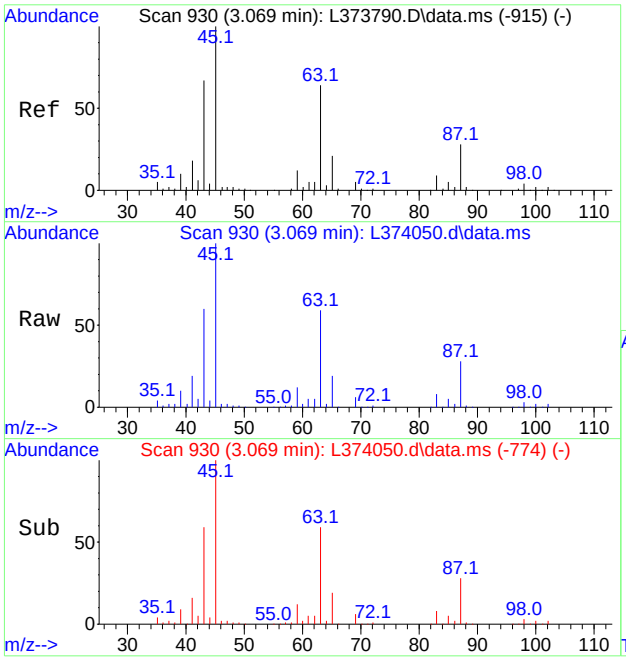


#27
hexane
Concen: 56.1042 ug/L
RT: 2.960 min Scan# 896
Delta R.T. -0.000 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 57 Resp: 147199

Ion	Ratio	Lower	Upper
57	100		
56	53.6	32.9	72.9
43	62.1	41.9	81.9
86	17.6	0.0	36.3

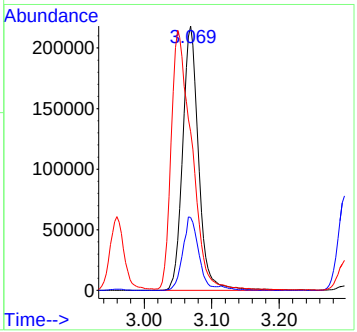


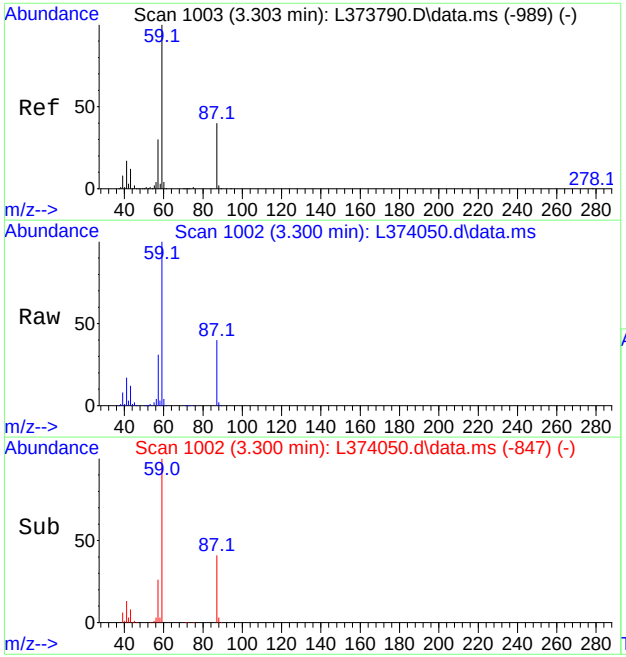


#28
di-isopropyl ether
Concen: 55.3661 ug/L
RT: 3.069 min Scan# 930
Delta R.T. -0.000 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 45 Resp: 358128

Ion	Ratio	Lower	Upper
45	100		
87	27.6	0.0	57.5
43	59.7	37.5	97.5

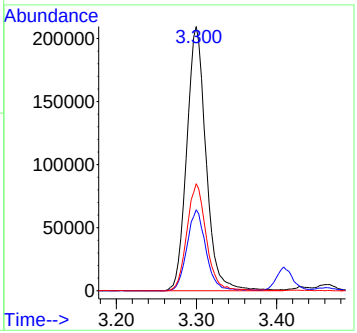


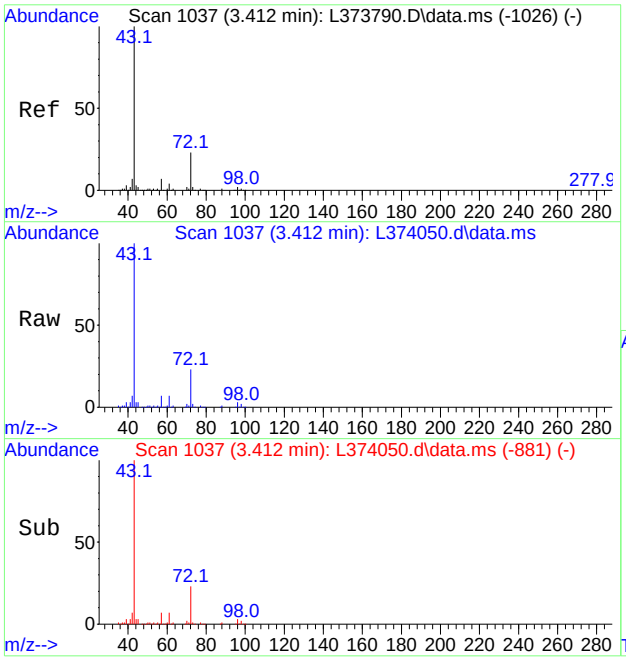


#29
ethyl tert-butyl ether
Concen: 52.7511 ug/L
RT: 3.300 min Scan# 1002
Delta R.T. -0.003 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 59 Resp: 350476

Ion	Ratio	Lower	Upper
59	100		
57	30.6	0.3	60.3
87	40.5	9.6	69.6

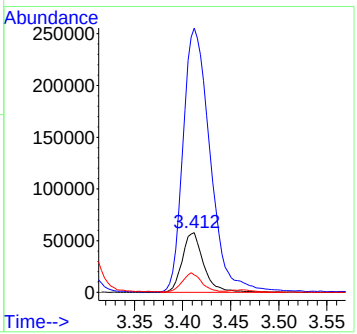


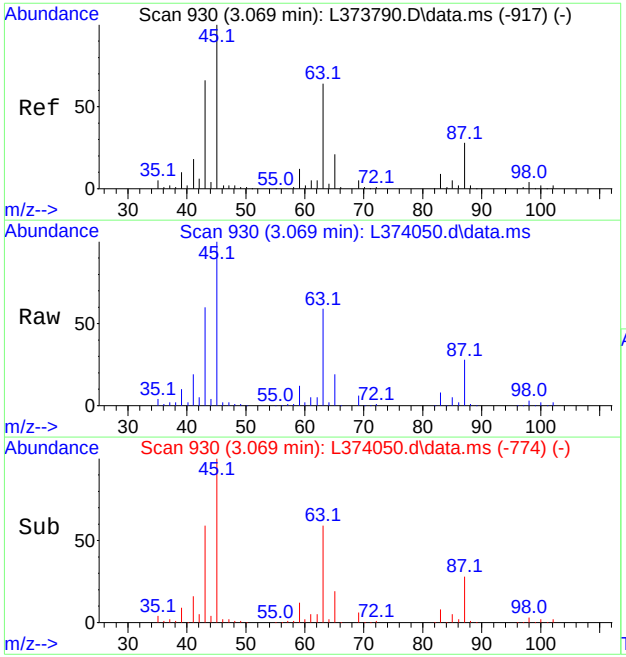


#30
2-butanone
Concen: 194.1163 ug/L
RT: 3.412 min Scan# 1037
Delta R.T. 0.000 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 72 Resp: 89759

Ion	Ratio	Lower	Upper
72	100		
43	441.0	411.9	471.9
57	28.6	2.4	62.4

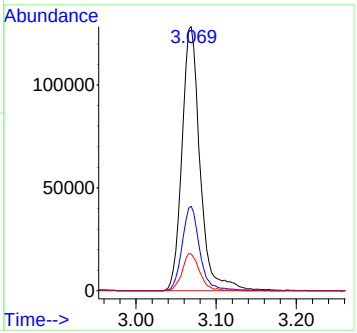


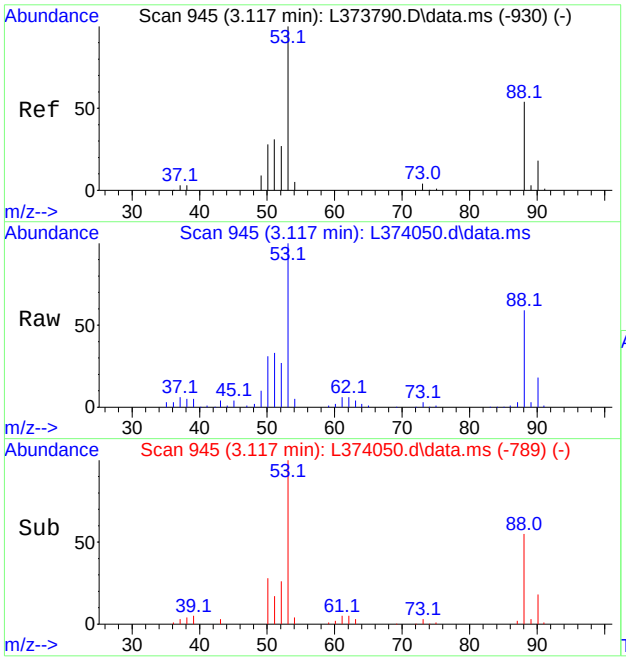


#31
1,1-dichloroethane
Concen: 50.3984 ug/L
RT: 3.069 min Scan# 930
Delta R.T. -0.000 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 63 Resp: 202201

Ion	Ratio	Lower	Upper
63	100		
65	32.0	2.5	62.5
83	13.9	0.0	43.5

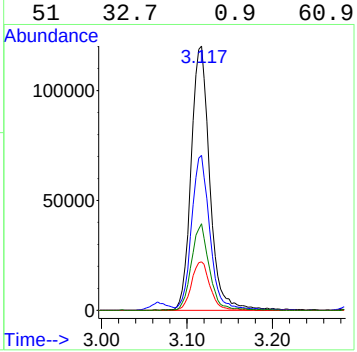


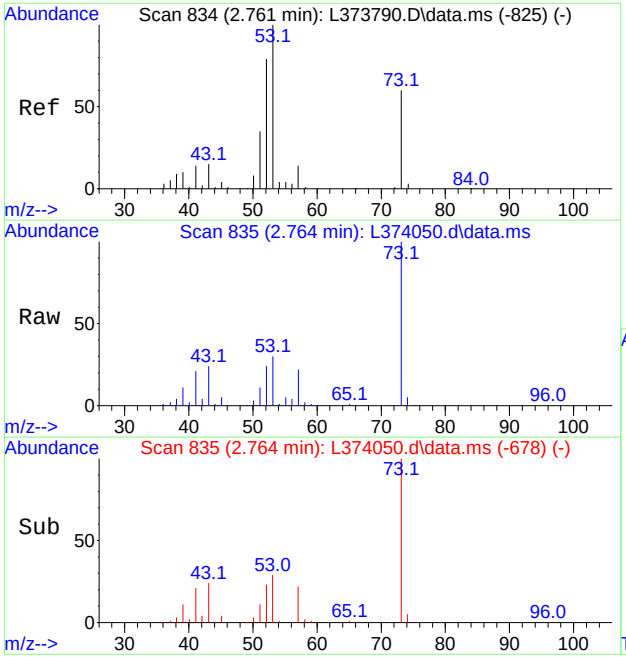


#32
chloroprene
Concen: 52.8834 ug/L
RT: 3.117 min Scan# 945
Delta R.T. -0.000 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 53 Resp: 182540

Ion	Ratio	Lower	Upper
53	100		
88	58.4	26.2	86.2
90	18.4	0.0	47.9
51	32.7	0.9	60.9

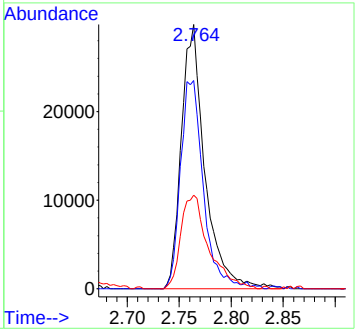


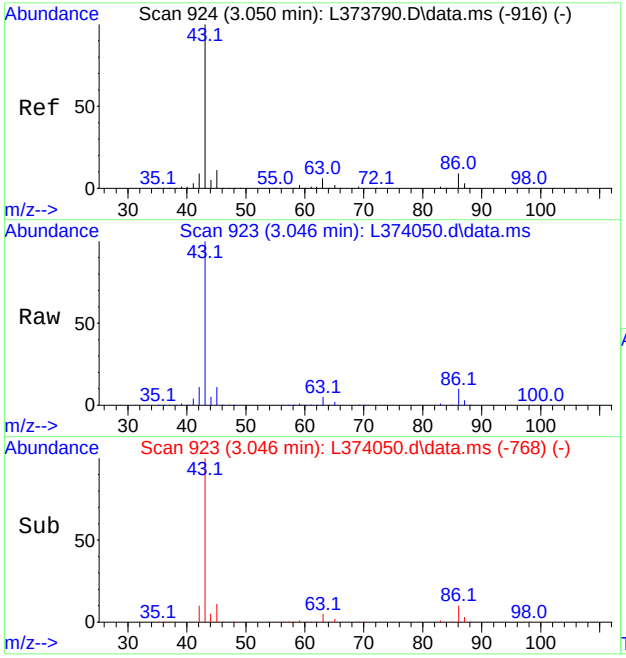


#33
acrylonitrile
Concen: 42.3523 ug/L
RT: 2.764 min Scan# 835
Delta R.T. 0.003 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 53 Resp: 46897

Ion	Ratio	Lower	Upper
53	100		
52	78.8	48.8	108.8
51	35.4	4.6	64.6

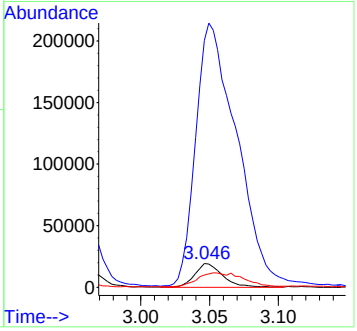


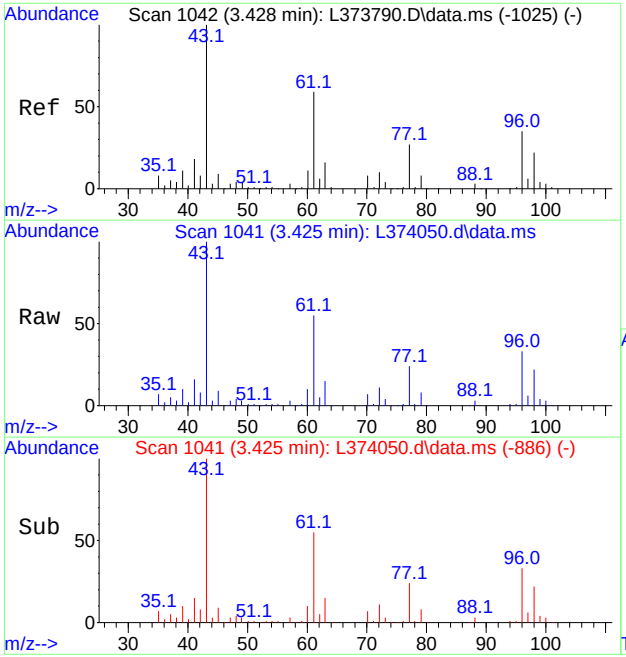


#34
vinyl acetate
Concen: 53.0661 ug/L
RT: 3.046 min Scan# 923
Delta R.T. -0.004 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 86 Resp: 27859

Ion	Ratio	Lower	Upper
86	100		
43	1034.5	1076.3	1136.3#
44	49.4	23.6	83.6

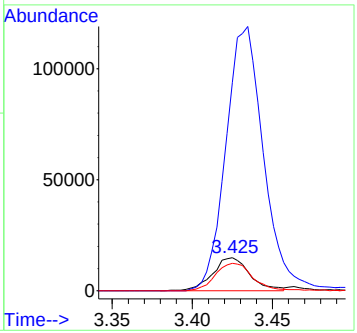


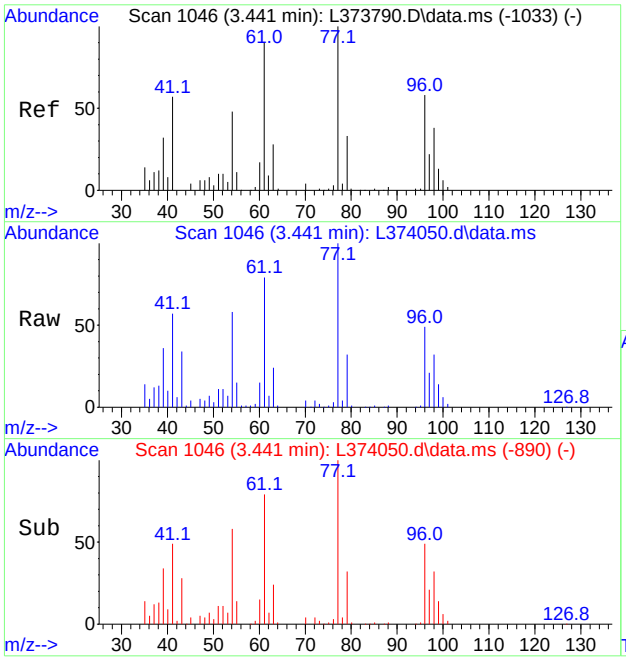


#35
ethyl acetate
Concen: 42.4007 ug/L
RT: 3.425 min Scan# 1041
Delta R.T. -0.003 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 45 Resp: 24255

Ion	Ratio	Lower	Upper
45	100		
61	630.7	598.6	658.6
70	83.5	53.6	113.6

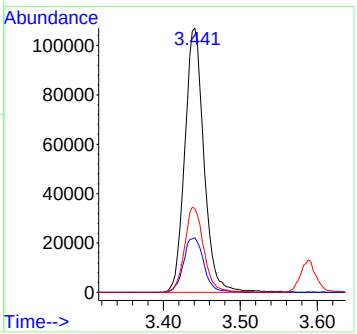


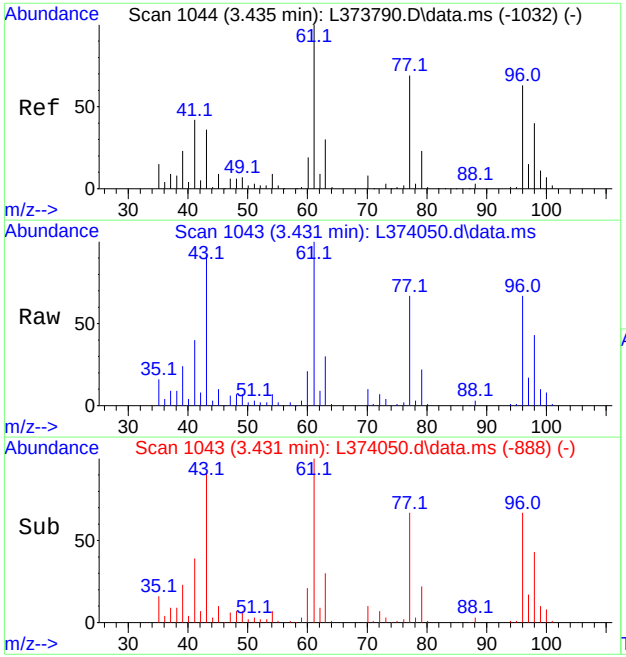


#36
2,2-dichloropropane
Concen: 51.2511 ug/L
RT: 3.441 min Scan# 1046
Delta R.T. -0.000 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 77 Resp: 185259

Ion	Ratio	Lower	Upper
77	100		
97	20.6	0.0	52.3
79	31.7	3.0	63.0

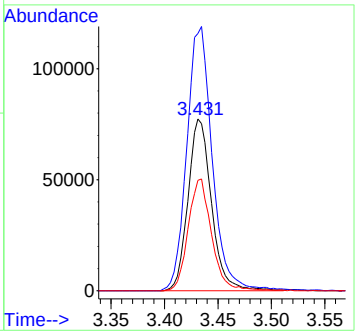


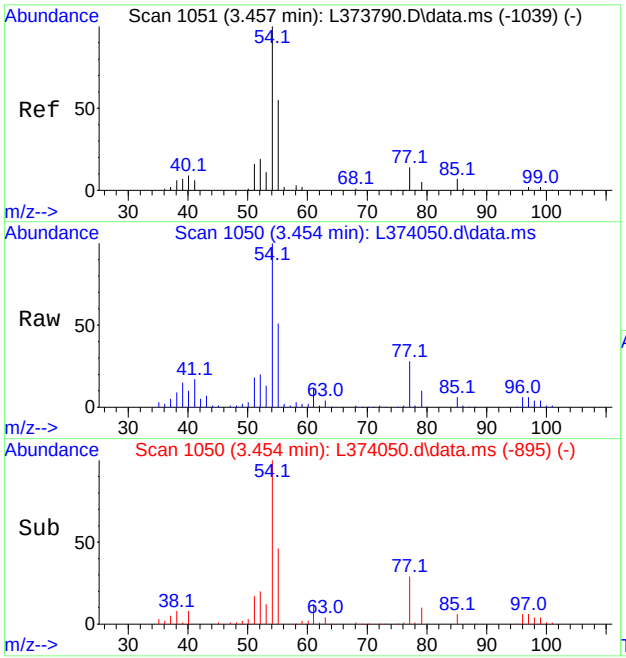


#37
cis-1,2-dichloroethene
Concen: 50.8287 ug/L
RT: 3.431 min Scan# 1043
Delta R.T. -0.004 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 96 Resp: 118618

Ion	Ratio	Lower	Upper
96	100		
61	149.7	128.7	188.7
98	64.3	34.1	94.1

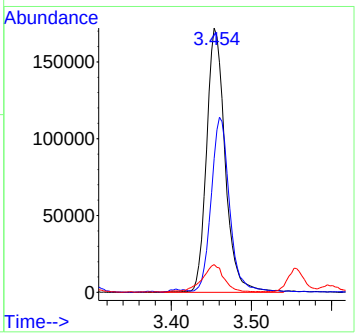


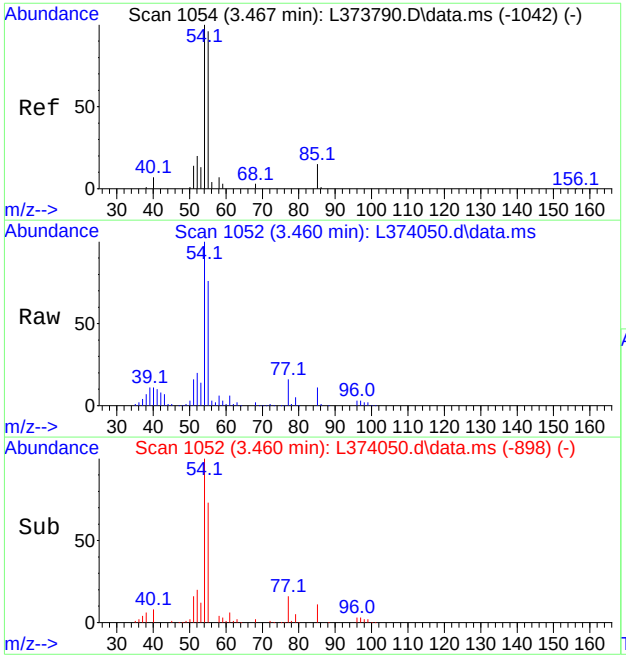


#38
propionitrile
Concen: 440.9115 ug/L
RT: 3.454 min Scan# 1050
Delta R.T. -0.003 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 54 Resp: 277758

Ion	Ratio	Lower	Upper
54	100		
55	50.6	25.4	85.4
40	10.3	0.0	39.0

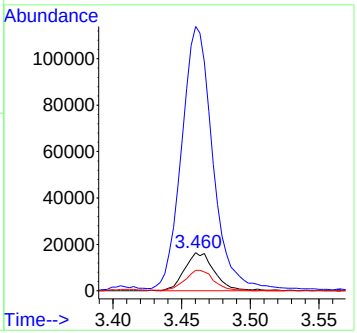


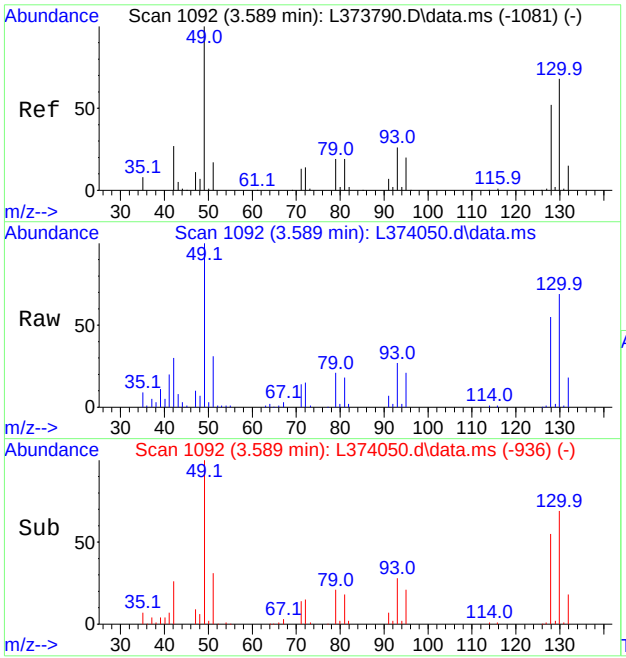


#39
methyl acrylate
Concen: 50.7434 ug/L
RT: 3.460 min Scan# 1052
Delta R.T. -0.007 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 85 Resp: 24991

Ion	Ratio	Lower	Upper
85	100		
55	684.1	639.4	679.4#
58	53.7	29.8	69.8

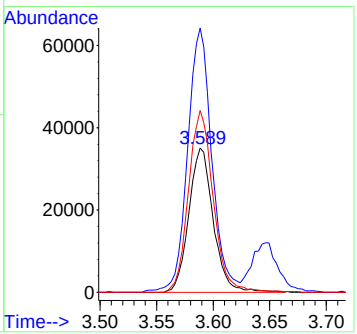


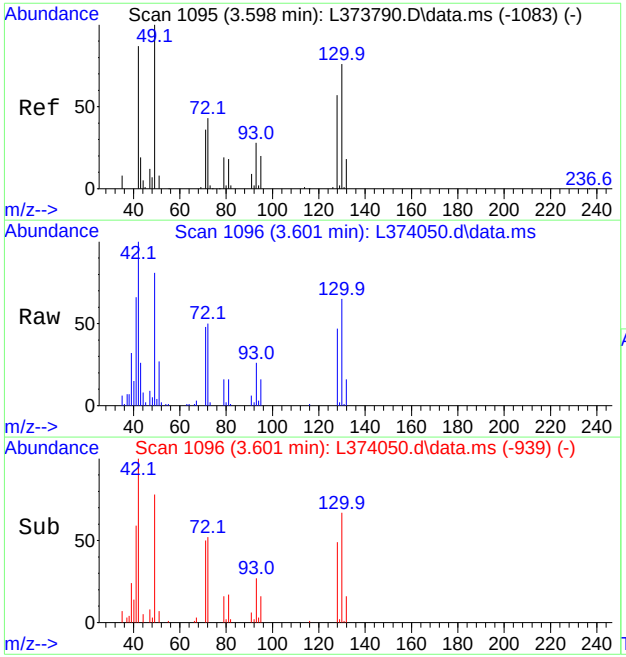


#40
bromochloromethane
Concen: 51.3032 ug/L
RT: 3.589 min Scan# 1092
Delta R.T. -0.000 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion:128 Resp: 52724

Ion	Ratio	Lower	Upper
128	100		
49	180.3	163.3	223.3
130	125.9	100.3	160.3

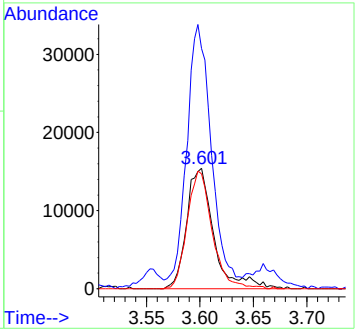


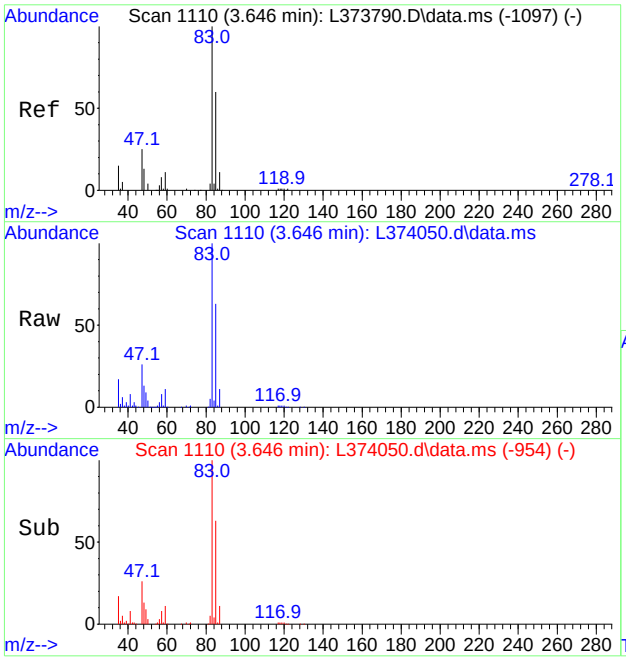


#41
tetrahydrofuran
Concen: 47.4683 ug/L
RT: 3.601 min Scan# 1096
Delta R.T. 0.003 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 72 Resp: 27352

Ion	Ratio	Lower	Upper
72	100		
42	193.4	183.3	243.3
71	95.3	53.5	113.5

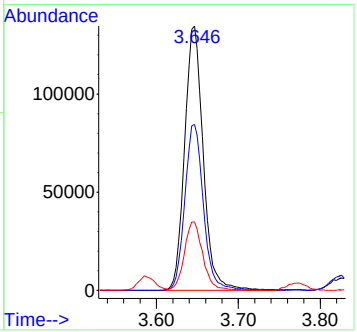


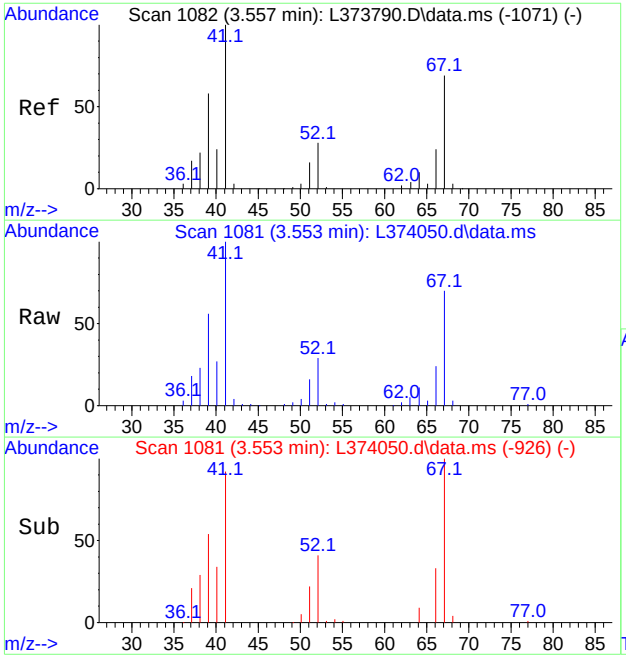


#42
chloroform
Concen: 47.8593 ug/L
RT: 3.646 min Scan# 1110
Delta R.T. 0.000 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 83 Resp: 213082

Ion	Ratio	Lower	Upper
83	100		
85	62.7	29.7	89.7
47	24.8	0.0	54.6

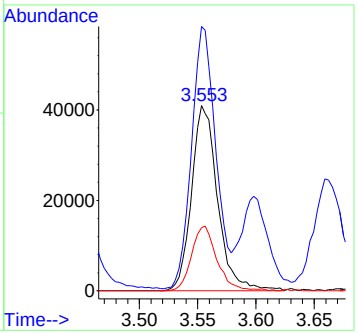


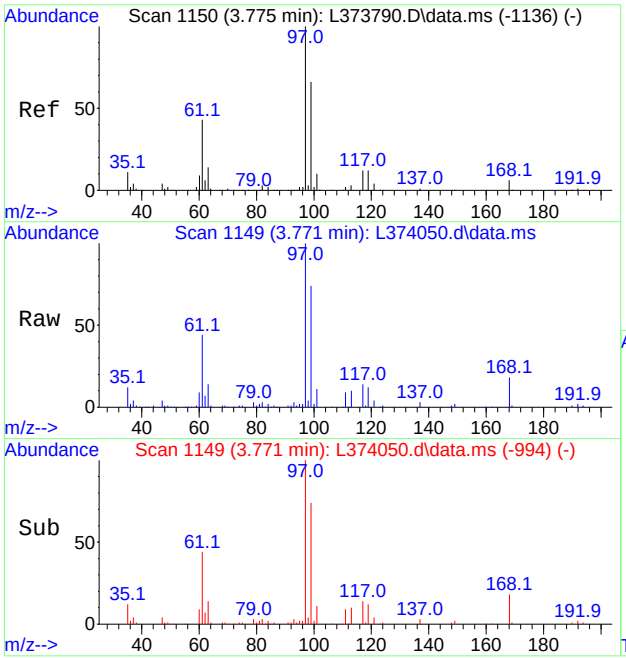


#44
methacrylonitrile
Concen: 47.4490 ug/L
RT: 3.553 min Scan# 1081
Delta R.T. -0.004 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 67 Resp: 63748

Ion	Ratio	Lower	Upper
67	100		
41	141.5	115.3	175.3
66	34.0	4.3	64.3

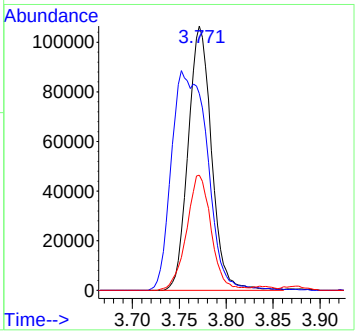


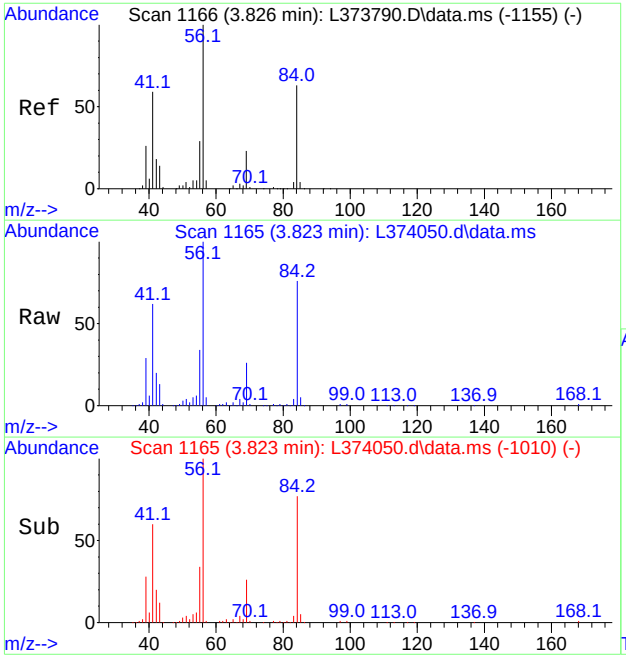


#45
1,1,1-trichloroethane
Concen: 52.4322 ug/L
RT: 3.771 min Scan# 1149
Delta R.T. -0.004 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 97 Resp: 184845

Ion	Ratio	Lower	Upper
97	100		
99	74.1	41.0	101.0
61	43.1	12.9	72.9

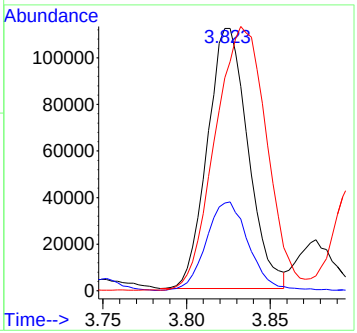


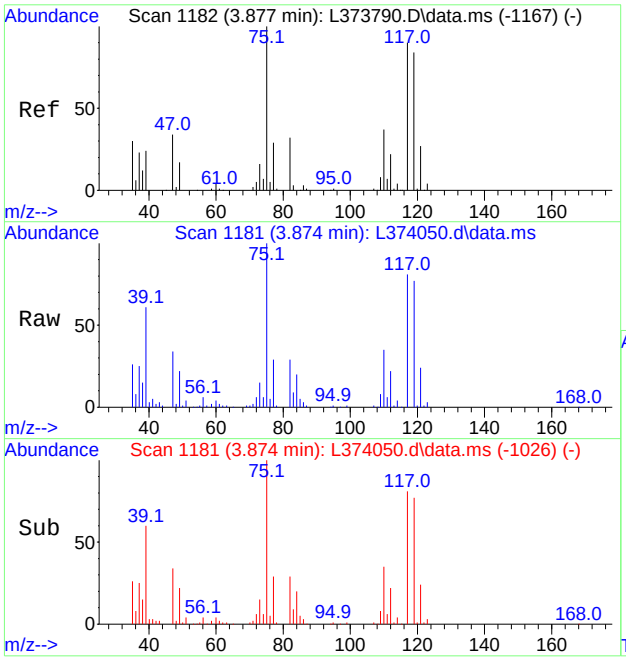


#46
cyclohexane
Concen: 64.6499 ug/L
RT: 3.823 min Scan# 1165
Delta R.T. -0.003 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 84 Resp: 189390

Ion	Ratio	Lower	Upper
84	100		
69	33.6	16.2	56.2
41	81.7	73.6	113.6

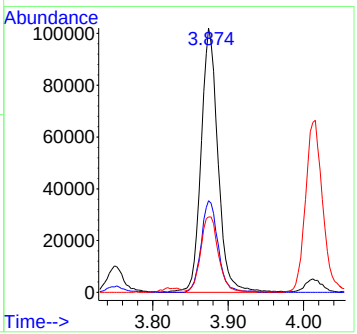


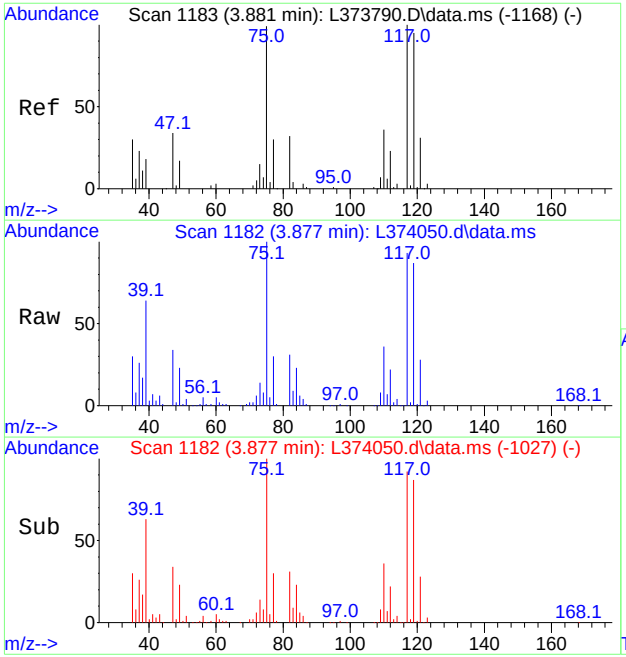


#47
1,1-dichloropropene
Concen: 55.6581 ug/L
RT: 3.874 min Scan# 1181
Delta R.T. -0.003 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 75 Resp: 159126

Ion	Ratio	Lower	Upper
75	100		
110	34.6	17.0	57.0
77	28.5	10.2	50.2

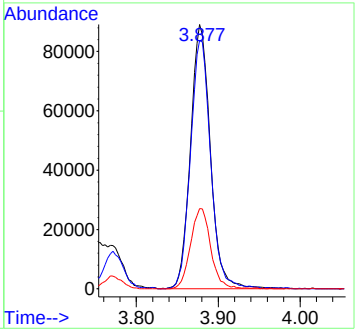


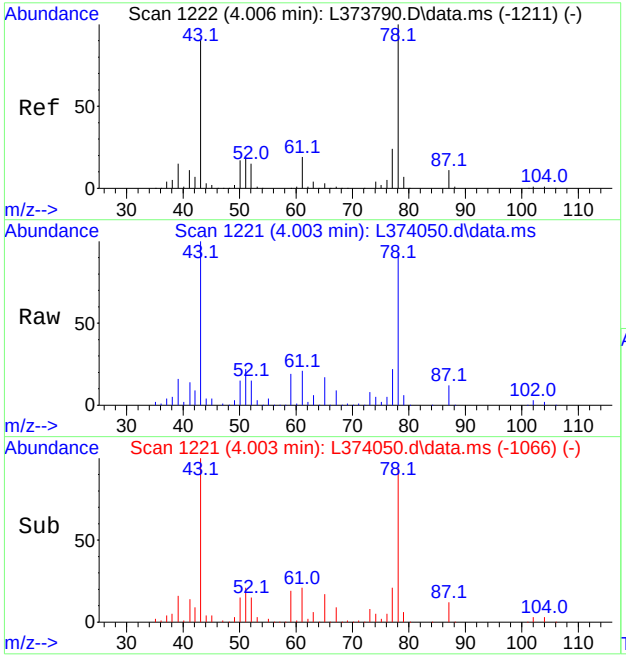


#48
carbon tetrachloride
Concen: 52.3430 ug/L
RT: 3.877 min Scan# 1182
Delta R.T. -0.004 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion:117 Resp: 150418

Ion	Ratio	Lower	Upper
117	100		
119	93.9	74.4	114.4
121	30.3	10.8	50.8

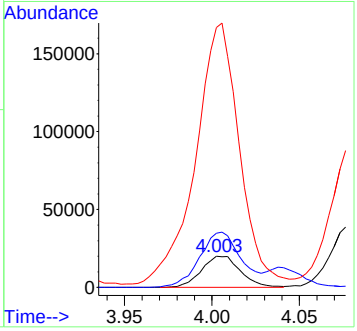


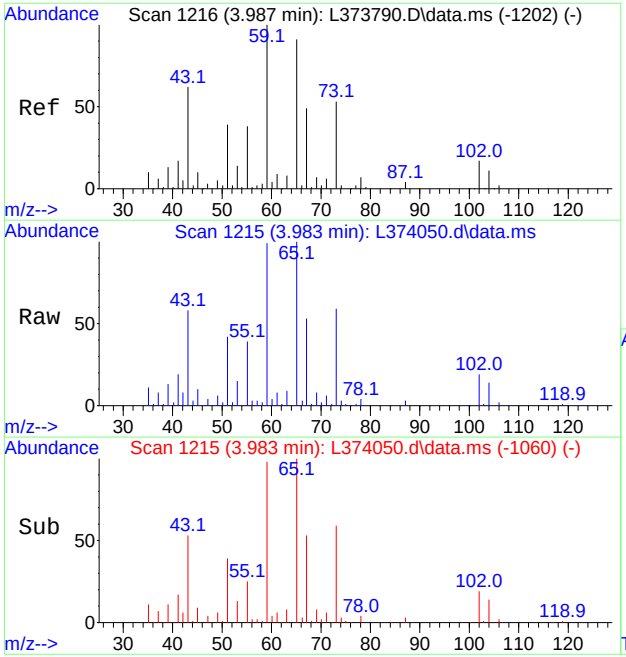


#49
isopropyl acetate
Concen: 48.8833 ug/L
RT: 4.003 min Scan# 1221
Delta R.T. -0.003 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 87 Resp: 31176

Ion	Ratio	Lower	Upper
87	100		
61	170.5	152.1	192.1
43	799.6	844.1	904.1#

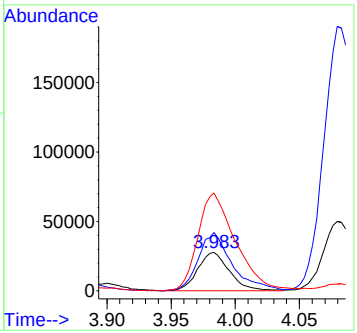


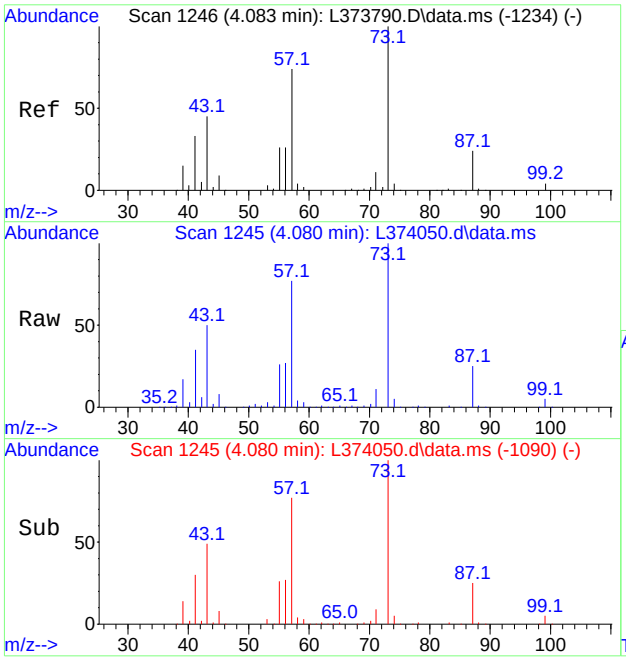


#50
tert amyl alcohol
Concen: 193.1255 ug/L
RT: 3.983 min Scan# 1215
Delta R.T. -0.004 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 55 Resp: 48218

Ion	Ratio	Lower	Upper
55	100		
73	151.4	119.2	159.2
59	253.1	242.0	282.0

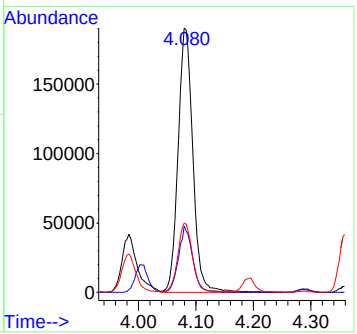


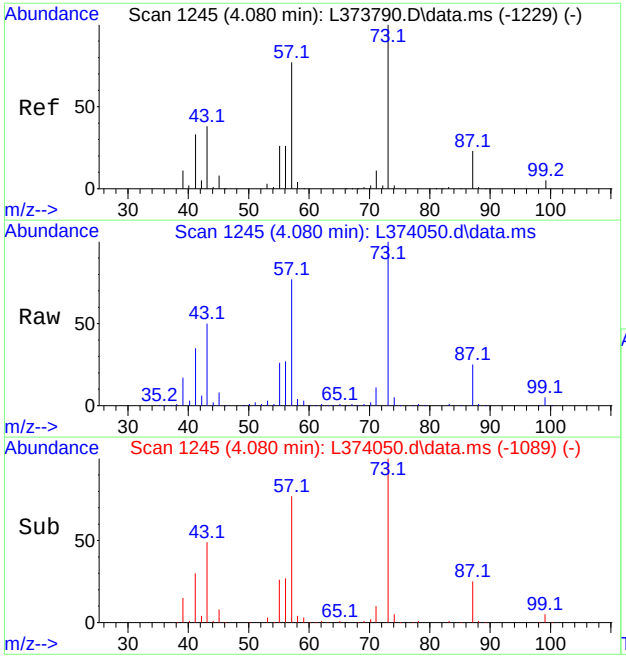


#53
tert-amyl methyl ether
Concen: 51.3541 ug/L
RT: 4.080 min Scan# 1245
Delta R.T. -0.003 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 73 Resp: 340858

Ion	Ratio	Lower	Upper
73	100		
87	25.0	4.6	44.6
55	26.0	5.7	45.7

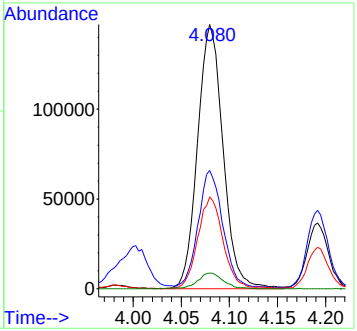


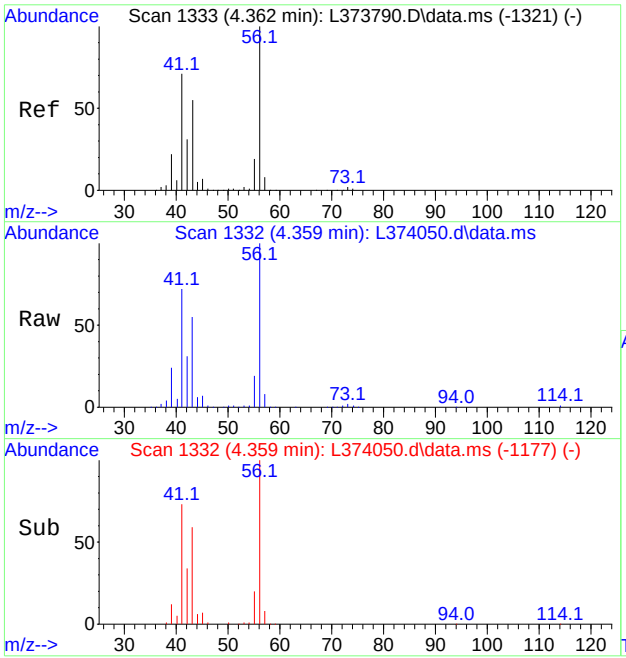


#54
2,2,4-trimethylpentane
Concen: 55.1025 ug/L
RT: 4.080 min Scan# 1245
Delta R.T. -0.000 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 57 Resp: 272197

Ion	Ratio	Lower	Upper
57	100		
41	44.3	25.1	65.1
56	34.6	13.8	53.8
99	6.0	0.0	25.9

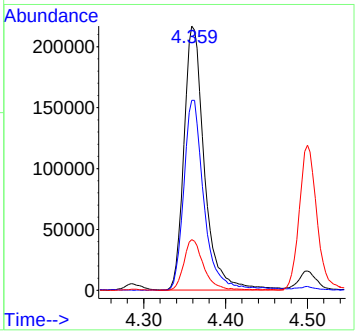


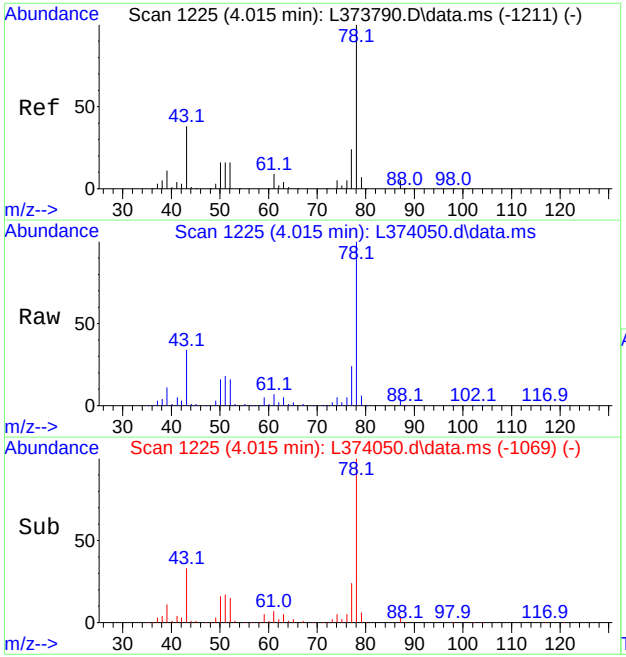


#55
n-butyl alcohol
Concen: 1928.9615 ug/L
RT: 4.359 min Scan# 1332
Delta R.T. -0.003 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 56 Resp: 376292

Ion	Ratio	Lower	Upper
56	100		
41	72.0	40.6	100.6
55	19.3	0.0	49.1

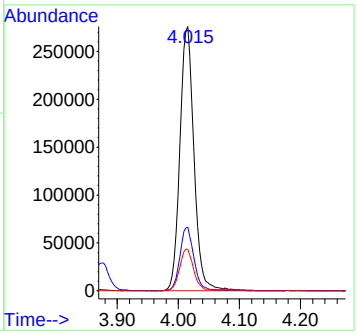


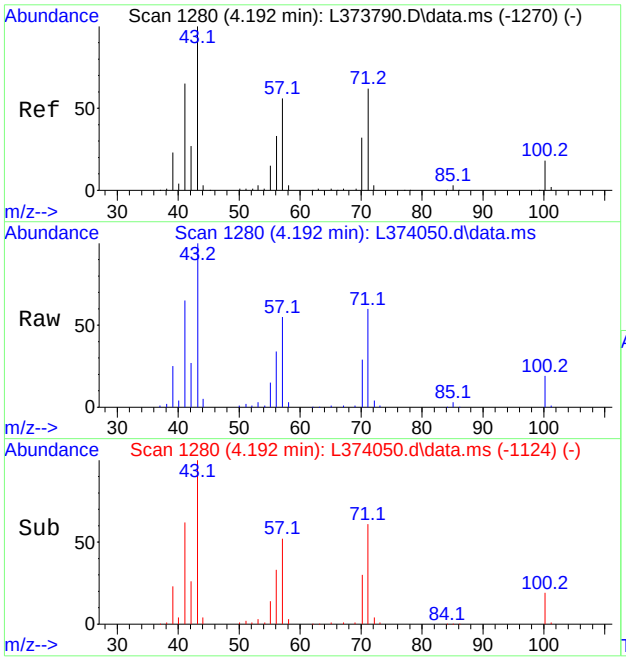


#56
benzene
Concen: 49.9945 ug/L
RT: 4.015 min Scan# 1225
Delta R.T. 0.000 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 78 Resp: 443608

Ion	Ratio	Lower	Upper
78	100		
77	24.1	0.0	53.5
52	15.7	0.0	46.2

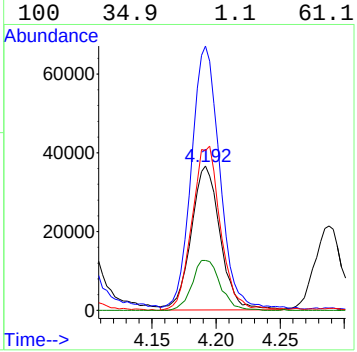


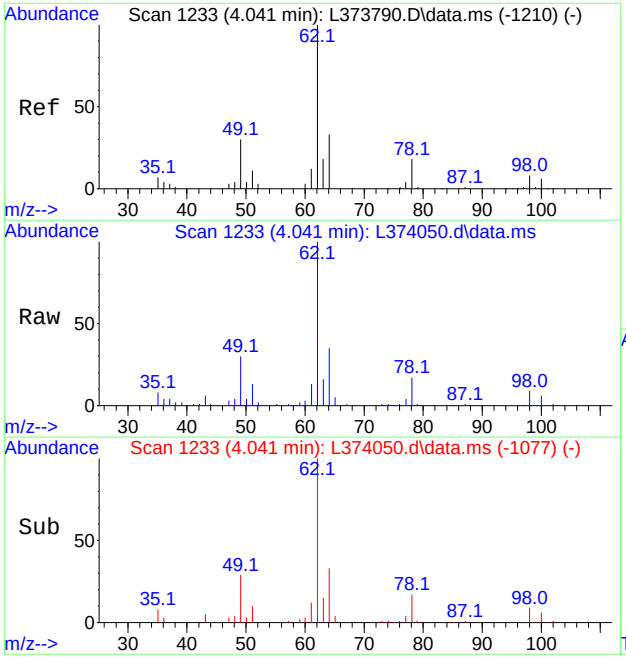


#57
heptane
Concen: 54.8618 ug/L
RT: 4.192 min Scan# 1280
Delta R.T. -0.000 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 57 Resp: 57452

Ion	Ratio	Lower	Upper
57	100		
43	182.8	146.8	206.8
71	111.6	78.5	138.5
100	34.9	1.1	61.1

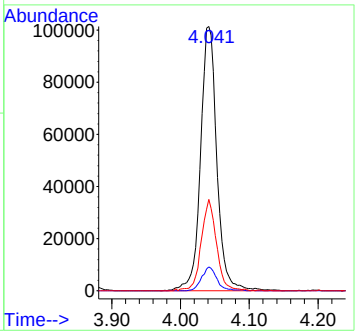


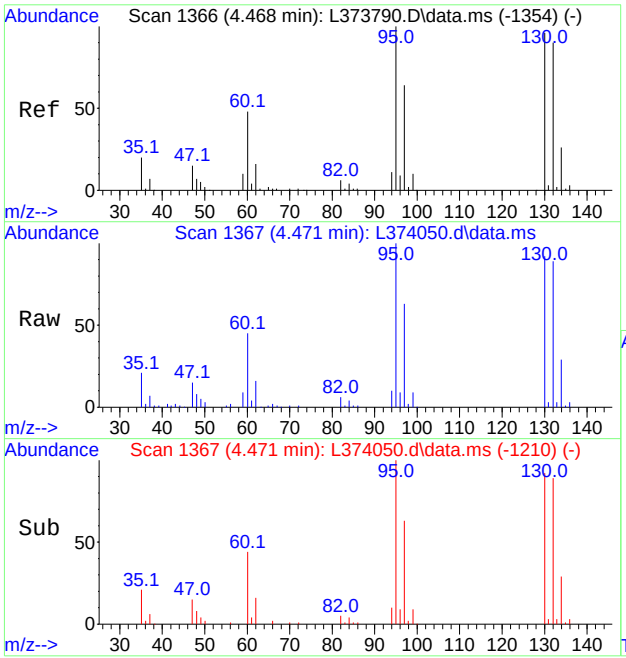


#58
1,2-dichloroethane
Concen: 49.6523 ug/L
RT: 4.041 min Scan# 1233
Delta R.T. 0.000 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 62 Resp: 167707

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	38.1
64	34.6	2.8	62.8

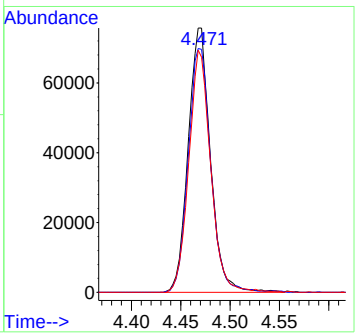


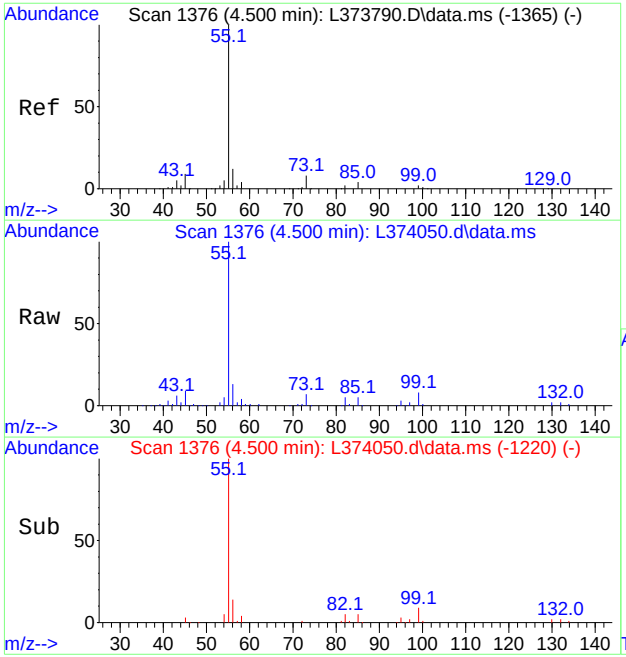


#59
trichloroethene
Concen: 53.2669 ug/L
RT: 4.471 min Scan# 1367
Delta R.T. 0.003 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 95 Resp: 118997

Ion	Ratio	Lower	Upper
95	100		
130	91.9	65.5	125.5
132	88.9	59.7	119.7

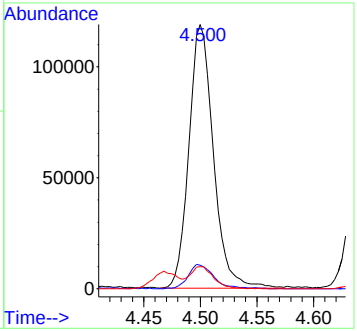


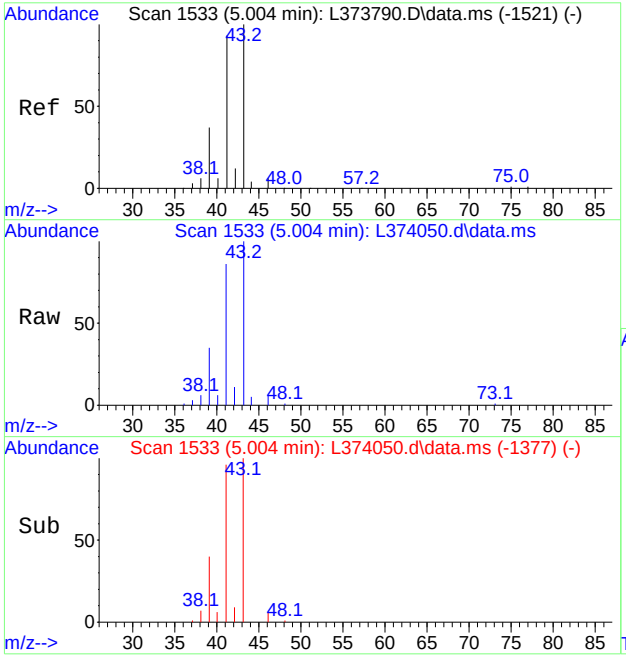


#60
ethyl acrylate
Concen: 44.6876 ug/L
RT: 4.500 min Scan# 1376
Delta R.T. -0.000 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 55 Resp: 178667

Ion	Ratio	Lower	Upper
55	100		
45	8.9	0.0	28.6
99	8.4	0.0	27.8

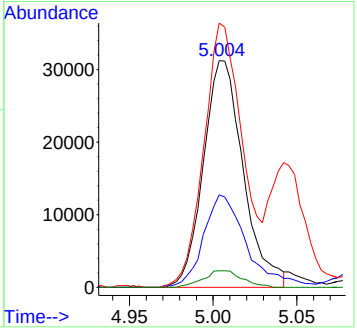


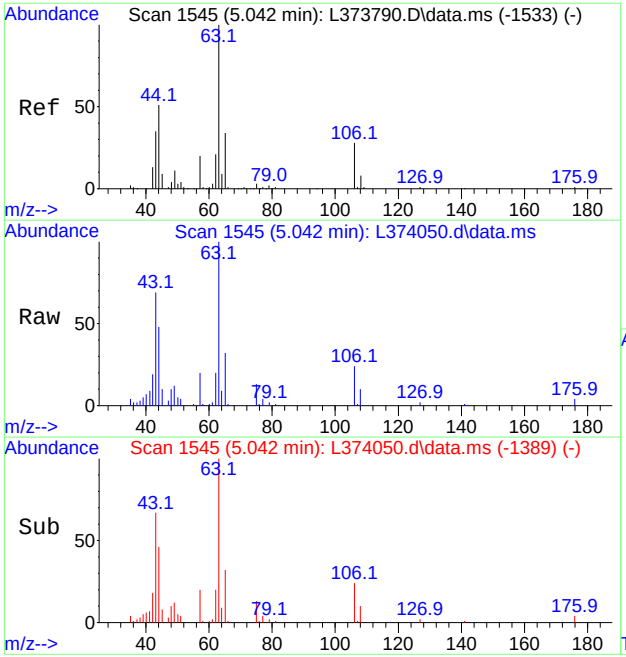


#61
2-nitropropane
Concen: 43.6827 ug/L
RT: 5.004 min Scan# 1533
Delta R.T. -0.000 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 41 Resp: 51822

Ion	Ratio	Lower	Upper
41	100		
39	40.8	10.0	70.0
43	116.6	77.9	137.9
46	7.3	0.0	36.7

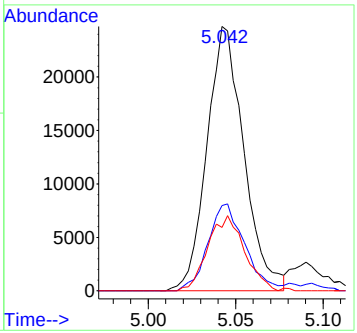


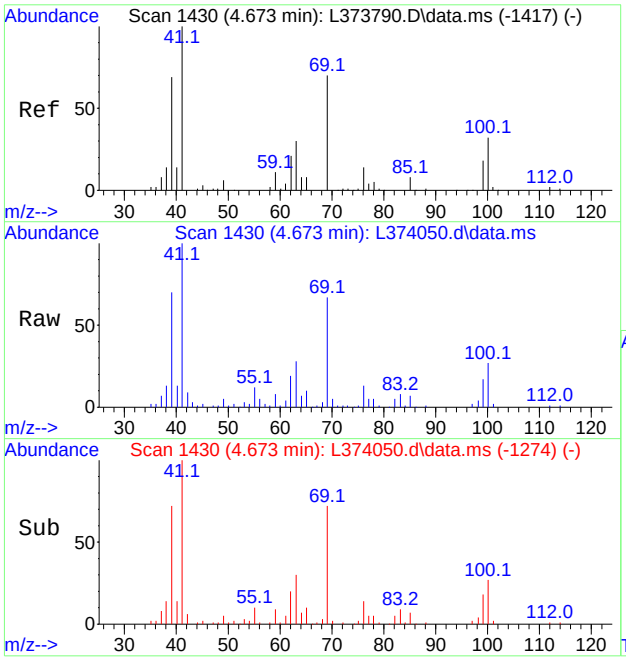


#62
2-chloroethyl vinyl ether
Concen: 47.3823 ug/L
RT: 5.042 min Scan# 1545
Delta R.T. 0.000 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 63 Resp: 36399

Ion	Ratio	Lower	Upper
63	100		
65	32.3	3.9	63.9
106	24.0	0.0	57.6

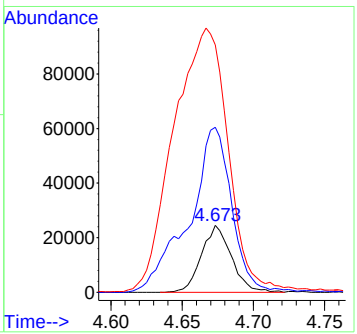


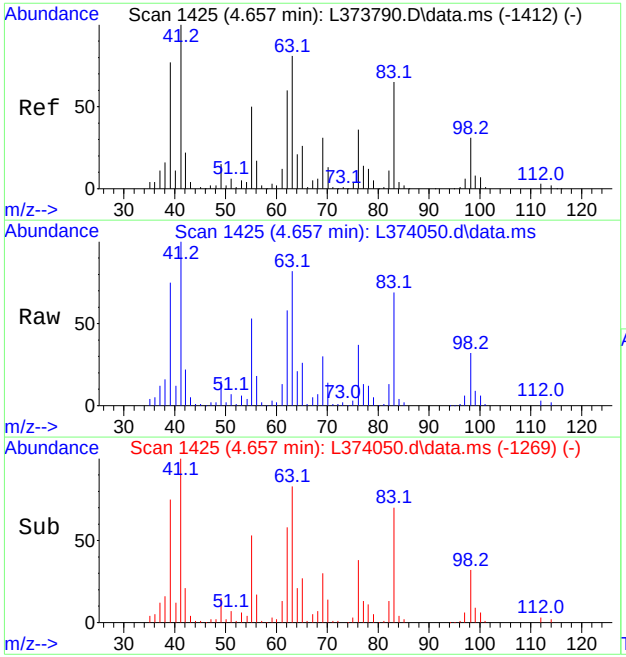


#63
methyl methacrylate
Concen: 48.6259 ug/L
RT: 4.673 min Scan# 1430
Delta R.T. 0.000 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion:100 Resp: 36010

Ion	Ratio	Lower	Upper
100	100		
69	242.2	221.2	281.2
41	361.9	360.4	420.4

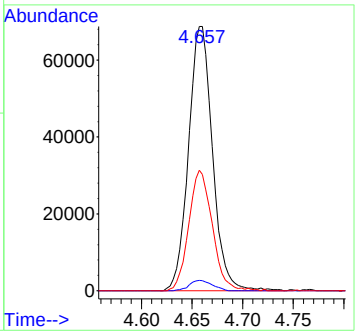


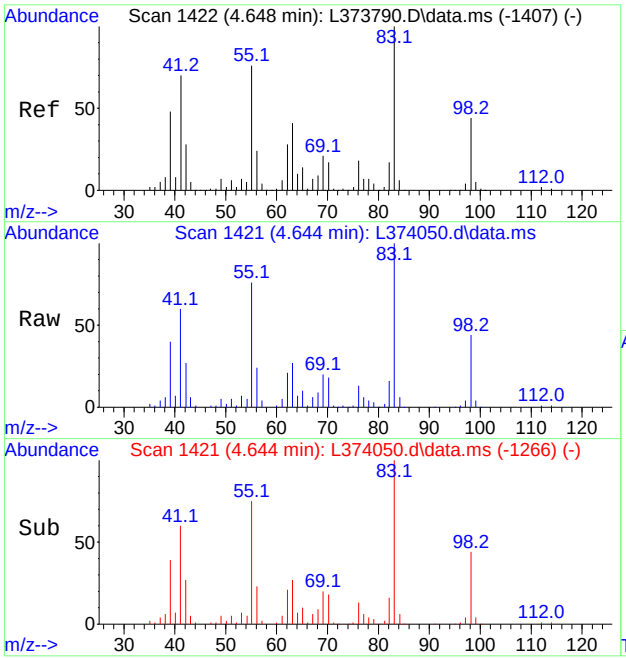


#64
1,2-dichloropropane
Concen: 50.1780 ug/L
RT: 4.657 min Scan# 1425
Delta R.T. 0.000 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 63 Resp: 113650

Ion	Ratio	Lower	Upper
63	100		
112	3.9	0.0	34.1
76	45.6	14.3	74.3

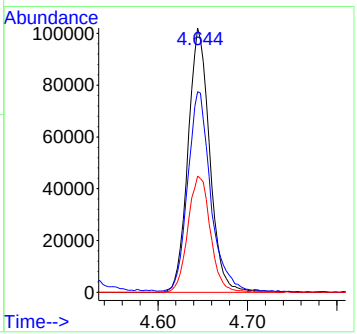


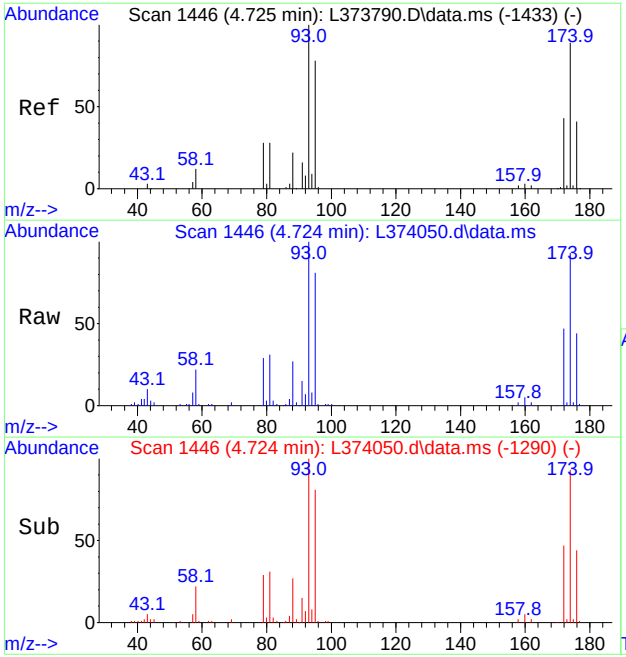


#65
methylcyclohexane
Concen: 56.1569 ug/L
RT: 4.644 min Scan# 1421
Delta R.T. -0.004 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 83 Resp: 171976

Ion	Ratio	Lower	Upper
83	100		
55	75.4	46.3	106.3
98	44.0	13.7	73.7

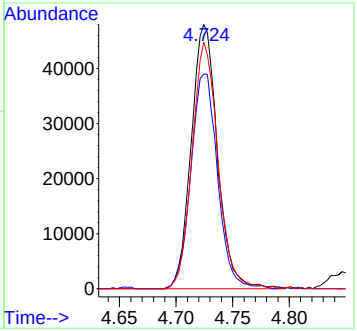


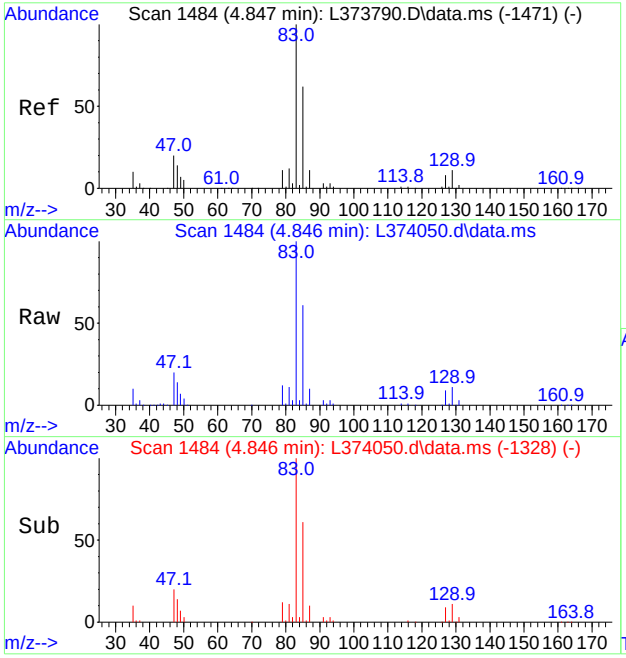


#66
dibromomethane
Concen: 49.5947 ug/L
RT: 4.724 min Scan# 1446
Delta R.T. -0.000 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 93 Resp: 77390

Ion	Ratio	Lower	Upper
93	100		
95	81.2	48.3	108.3
174	93.2	59.2	119.2

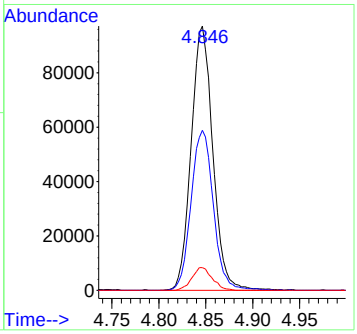


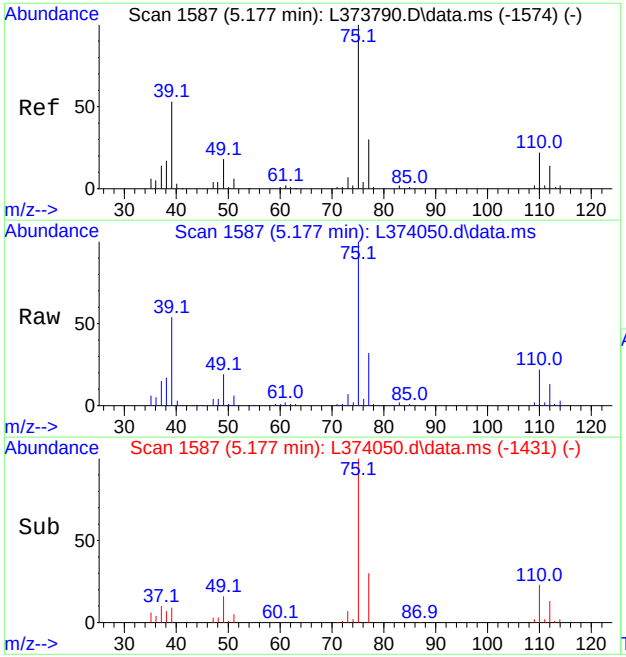


#67
bromodichloromethane
Concen: 48.3690 ug/L
RT: 4.846 min Scan# 1484
Delta R.T. -0.001 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 83 Resp: 156343

Ion	Ratio	Lower	Upper
83	100		
85	60.6	31.5	91.5
127	8.6	0.0	38.3

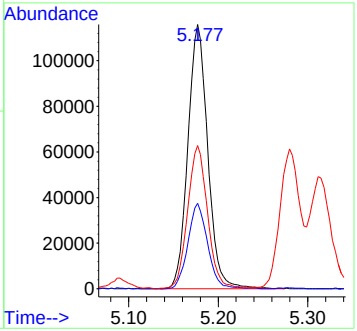


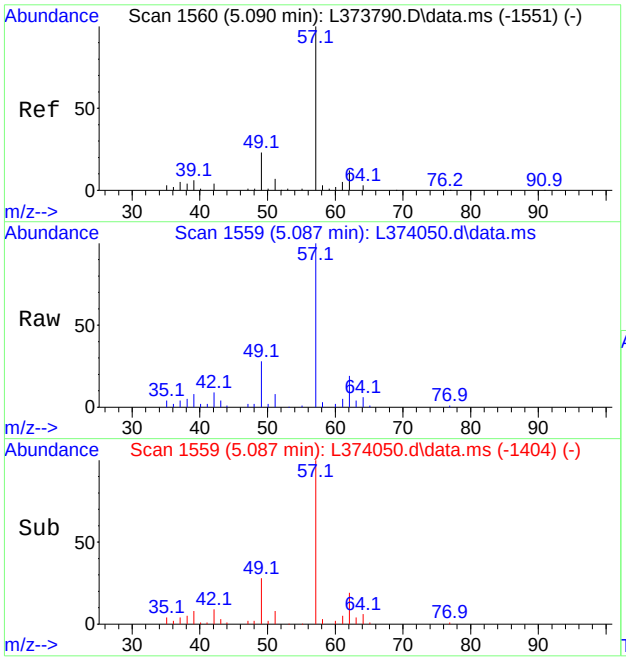


#68
cis-1,3-dichloropropene
Concen: 49.4662 ug/L
RT: 5.177 min Scan# 1587
Delta R.T. -0.000 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 75 Resp: 179230

Ion	Ratio	Lower	Upper
75	100		
77	32.3	0.1	60.1
39	54.0	23.1	83.1

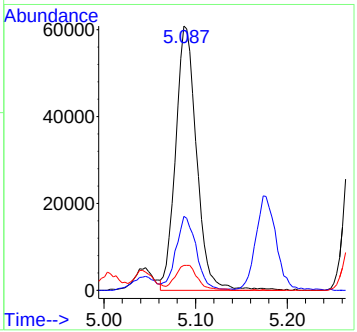


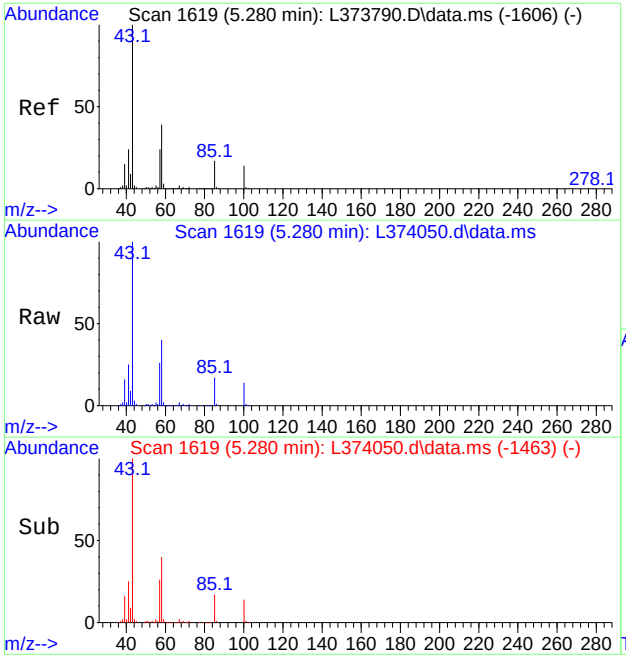


#69
epichlorohydrin
Concen: 209.7805 ug/L
RT: 5.087 min Scan# 1559
Delta R.T. -0.003 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 57 Resp: 96894

Ion	Ratio	Lower	Upper
57	100		
49	25.7	1.0	41.0
42	9.5	0.0	29.5

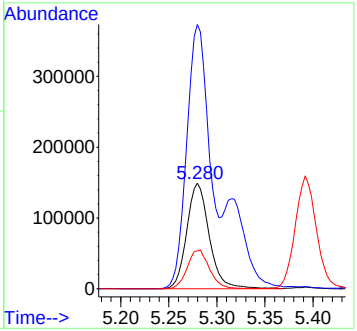


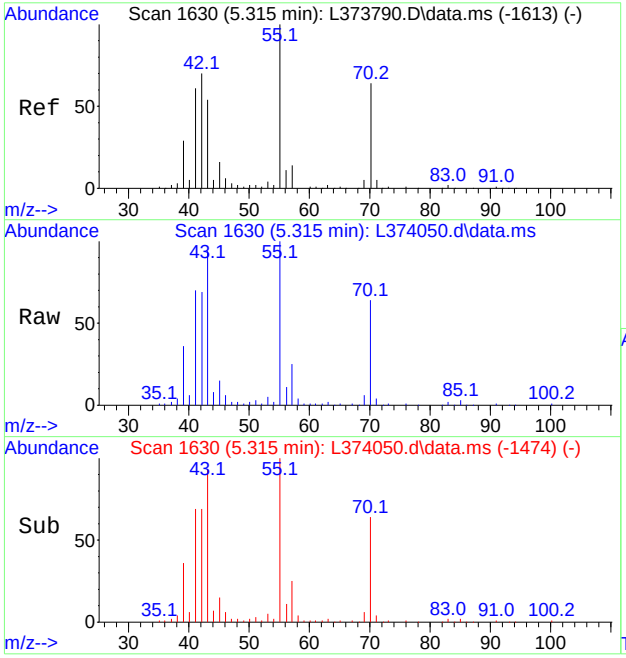


#70
4-methyl-2-pentanone
Concen: 170.9879 ug/L
RT: 5.280 min Scan# 1619
Delta R.T. -0.000 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 58 Resp: 243476

Ion	Ratio	Lower	Upper
58	100		
43	249.9	233.3	273.3
100	35.9	15.2	55.2

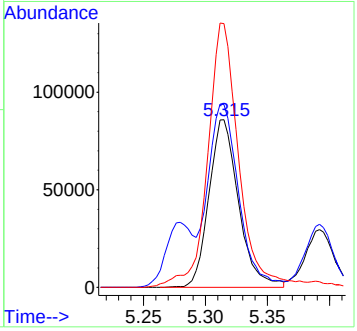


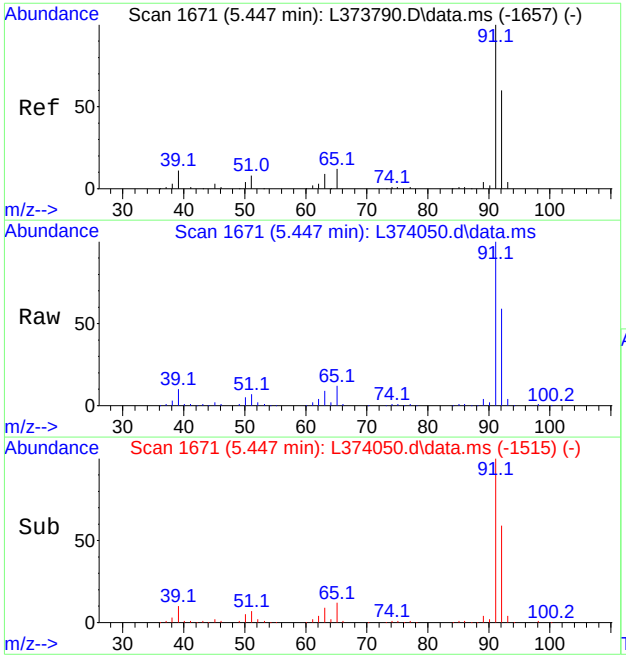


#71
3-methyl-1-butanol
Concen: 783.8524 ug/L
RT: 5.315 min Scan# 1630
Delta R.T. -0.000 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 70 Resp: 142872

Ion	Ratio	Lower	Upper
70	100		
42	105.4	94.2	134.2
55	155.2	137.5	177.5

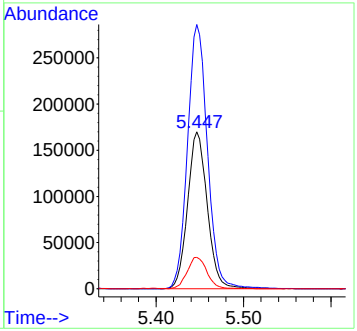


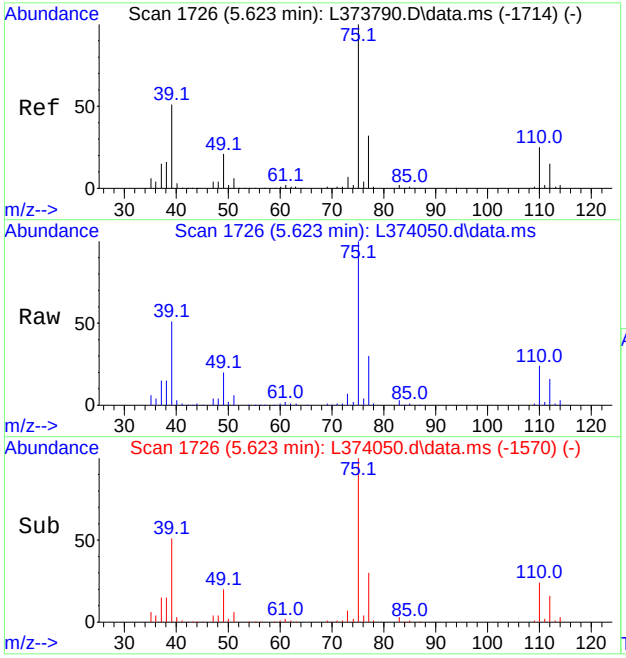


#74
toluene
Concen: 49.8813 ug/L
RT: 5.447 min Scan# 1671
Delta R.T. -0.000 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 92 Resp: 266517

Ion	Ratio	Lower	Upper
92	100		
91	168.4	136.7	196.7
65	20.0	0.0	50.8

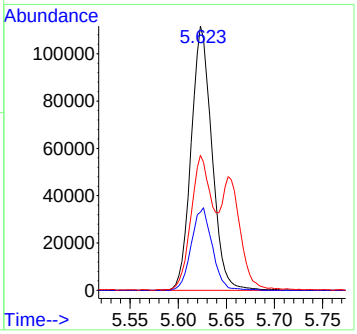


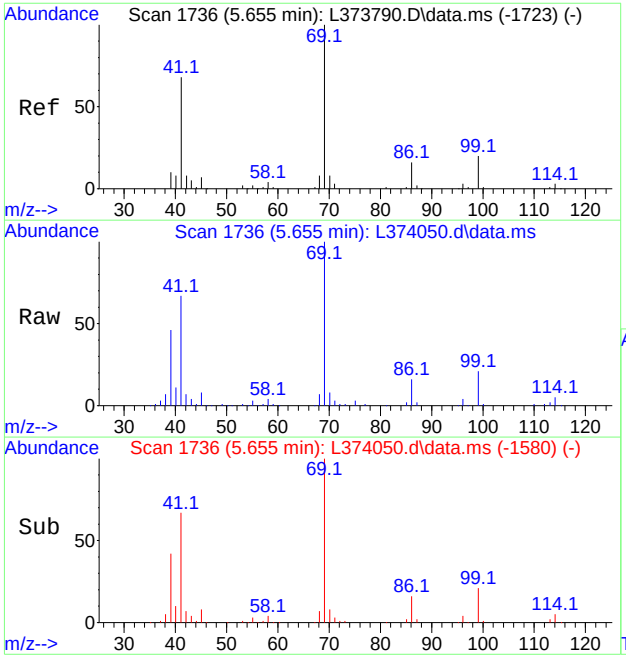


#75
trans-1,3-dichloropropene
Concen: 50.4792 ug/L
RT: 5.623 min Scan# 1726
Delta R.T. 0.000 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 75 Resp: 168163

Ion	Ratio	Lower	Upper
75	100		
77	29.6	1.7	61.7
39	50.8	20.7	80.7

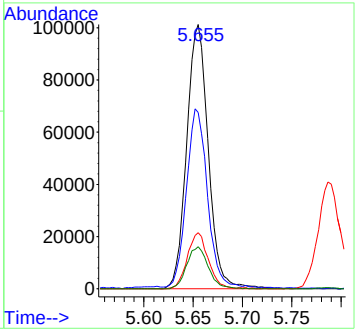


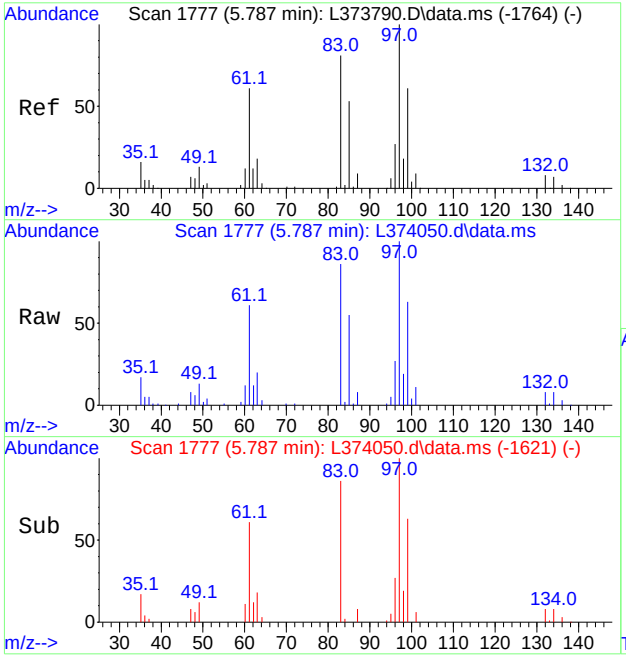


#76
ethyl methacrylate
Concen: 45.9690 ug/L
RT: 5.655 min Scan# 1736
Delta R.T. 0.000 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 69 Resp: 154730

Ion	Ratio	Lower	Upper
69	100		
41	66.4	38.9	98.9
99	21.2	0.0	50.4
86	15.9	0.0	45.9

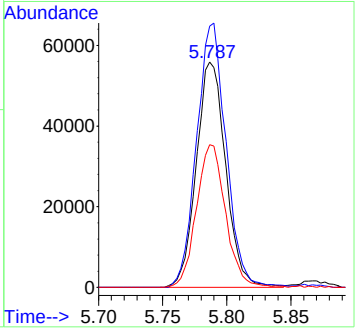


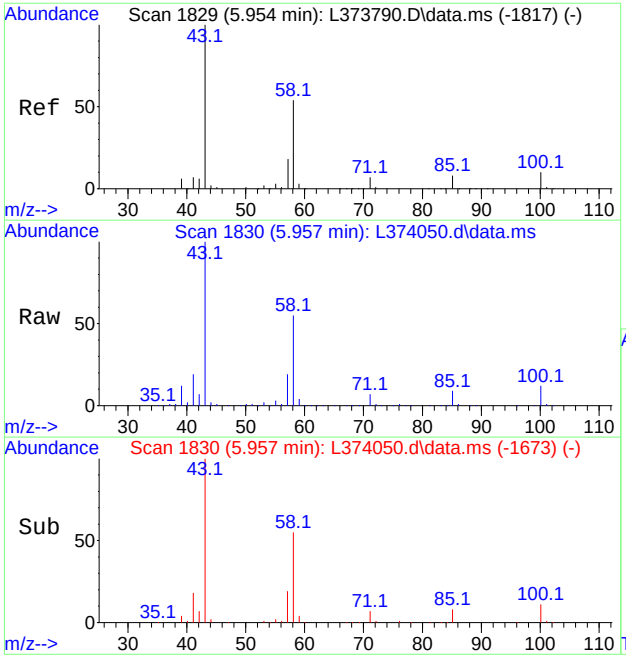


#77
1,1,2-trichloroethane
Concen: 50.5123 ug/L
RT: 5.787 min Scan# 1777
Delta R.T. -0.000 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 83 Resp: 89481

Ion	Ratio	Lower	Upper
83	100		
97	116.0	93.6	153.6
85	63.3	35.4	95.4

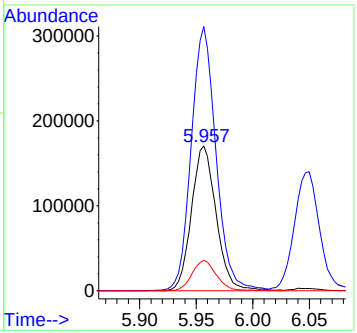


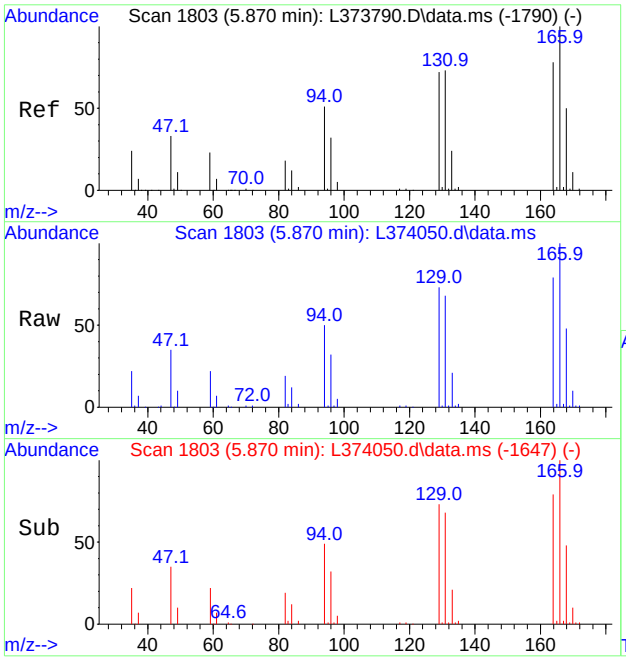


#78
2-hexanone
Concen: 170.7636 ug/L
RT: 5.957 min Scan# 1830
Delta R.T. 0.003 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 58 Resp: 259282

Ion	Ratio	Lower	Upper
58	100		
43	181.8	154.6	214.6
100	21.0	0.0	49.0

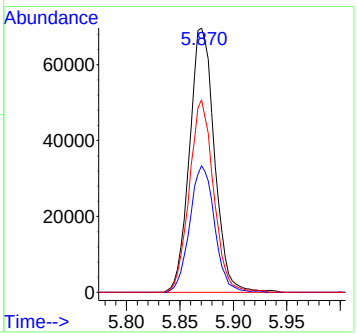


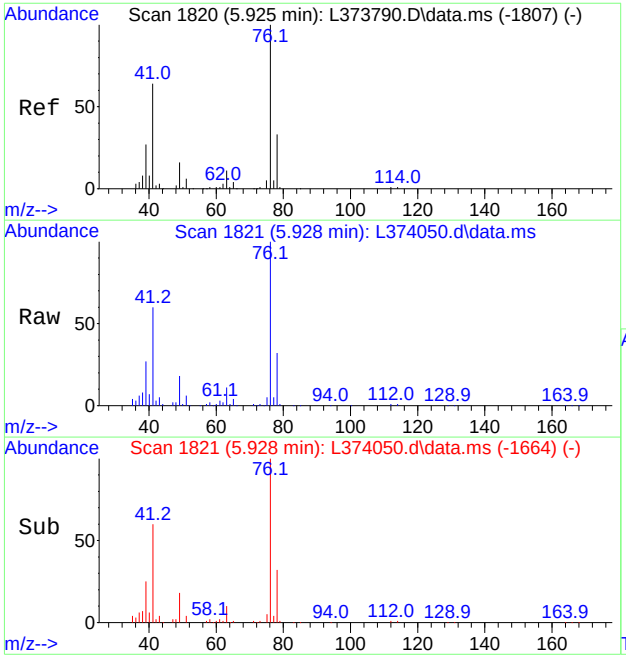


#79
tetrachloroethene
Concen: 52.7479 ug/L
RT: 5.870 min Scan# 1803
Delta R.T. 0.000 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion:166 Resp: 113204

Ion	Ratio	Lower	Upper
166	100		
168	47.9	19.7	79.7
129	72.8	42.4	102.4

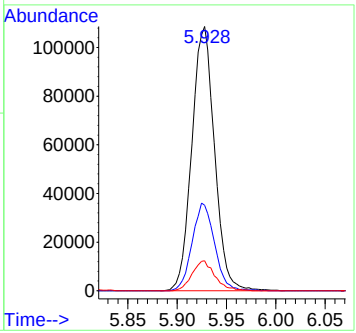


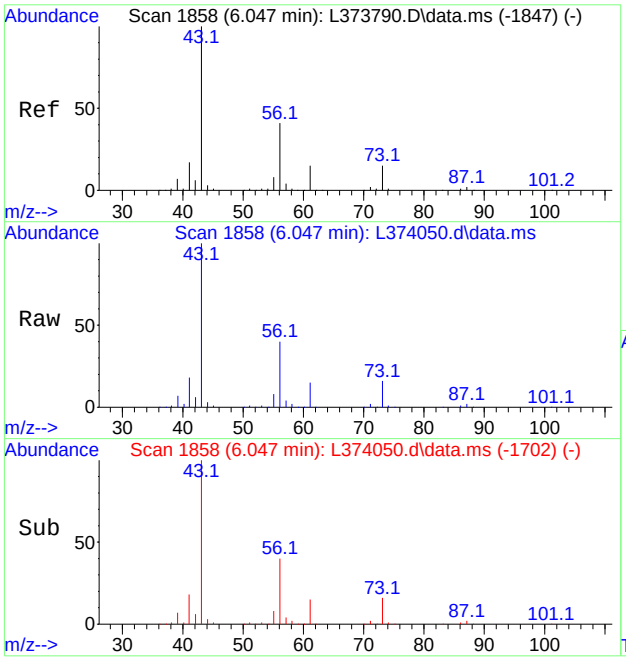


#80
1,3-dichloropropane
Concen: 51.0386 ug/L
RT: 5.928 min Scan# 1821
Delta R.T. 0.003 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 76 Resp: 174246

Ion	Ratio	Lower	Upper
76	100		
78	32.3	2.7	62.7
63	11.3	0.0	41.2

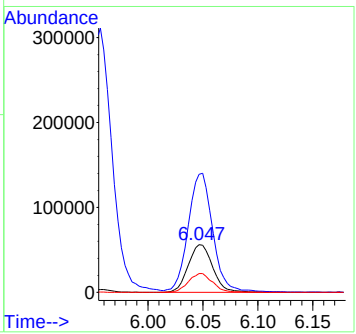


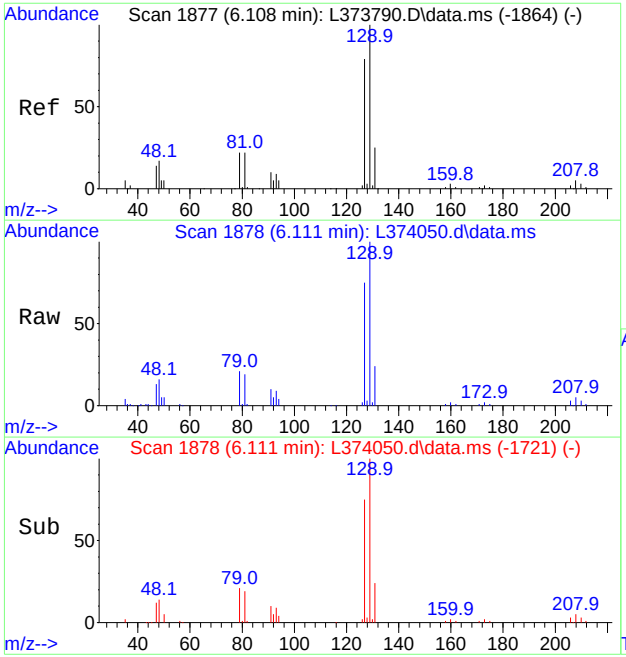


#81
butyl acetate
Concen: 43.5608 ug/L
RT: 6.047 min Scan# 1858
Delta R.T. -0.000 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 56 Resp: 87155

Ion	Ratio	Lower	Upper
56	100		
43	246.9	218.3	278.3
73	39.4	7.2	67.2

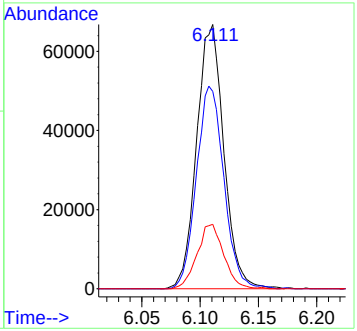


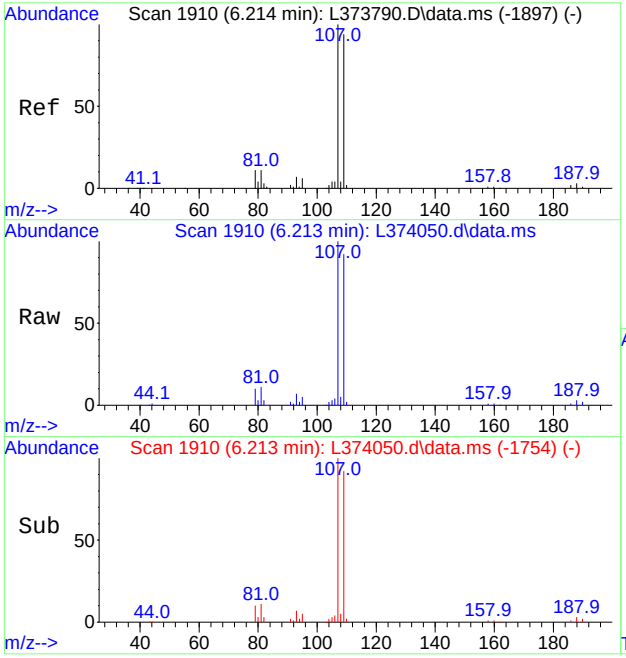


#82
dibromochloromethane
Concen: 47.5165 ug/L
RT: 6.111 min Scan# 1878
Delta R.T. 0.003 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion:129 Resp: 108566

Ion	Ratio	Lower	Upper
129	100		
127	74.6	49.0	109.0
131	24.4	0.0	54.6

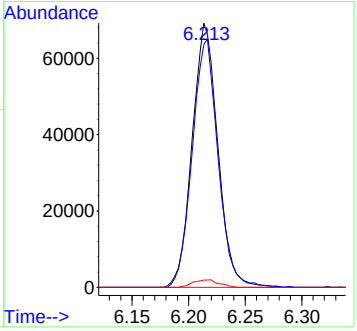


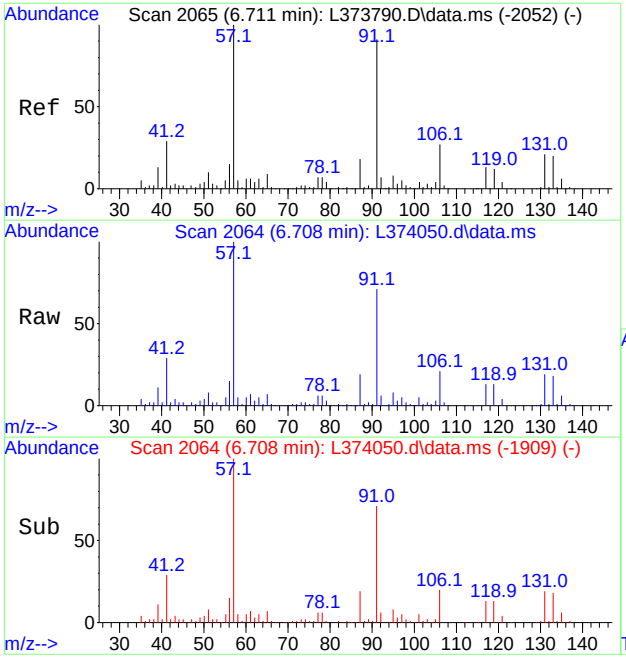


#83
1,2-dibromoethane
Concen: 50.7444 ug/L
RT: 6.213 min Scan# 1910
Delta R.T. -0.001 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion:107 Resp: 109215

Ion	Ratio	Lower	Upper
107	100		
109	91.8	63.9	123.9
188	2.8	0.0	33.4

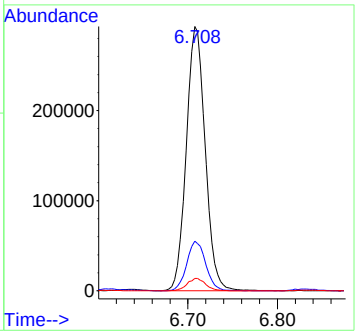


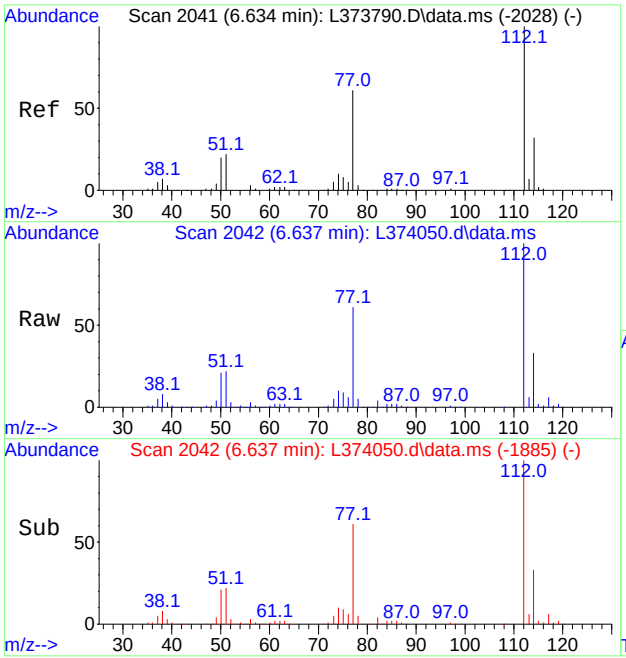


#84
n-butyl ether
Concen: 47.9343 ug/L
RT: 6.708 min Scan# 2064
Delta R.T. -0.003 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 57 Resp: 431126

Ion	Ratio	Lower	Upper
57	100		
87	18.8	0.0	47.8
101	4.7	0.0	34.2

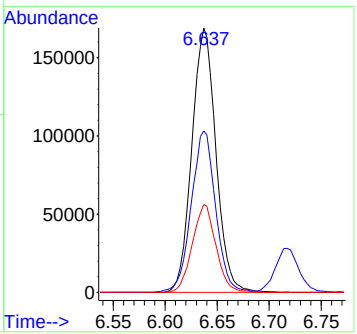


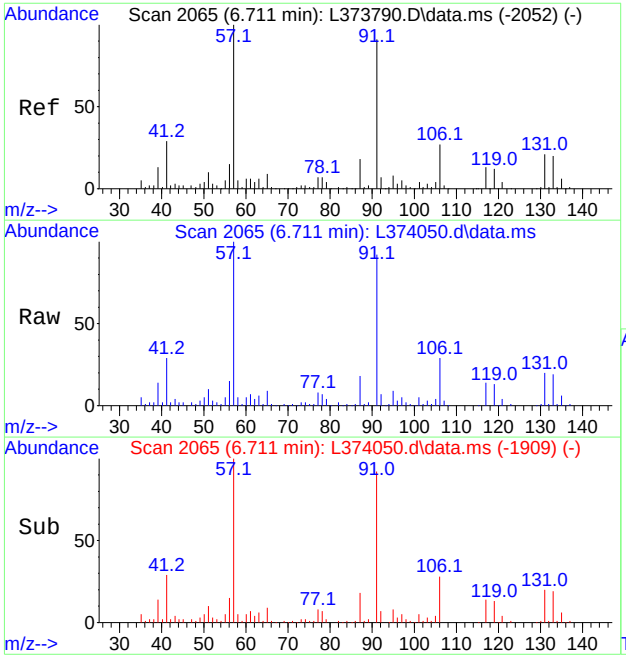


#85
chlorobenzene
Concen: 48.6385 ug/L
RT: 6.637 min Scan# 2042
Delta R.T. 0.003 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion:112 Resp: 272862

Ion	Ratio	Lower	Upper
112	100		
77	60.8	30.8	90.8
114	33.2	2.4	62.4

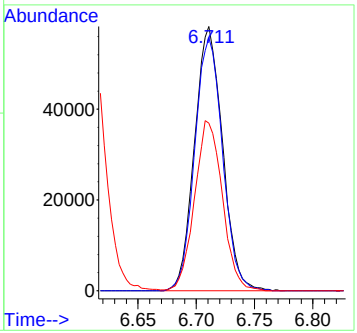


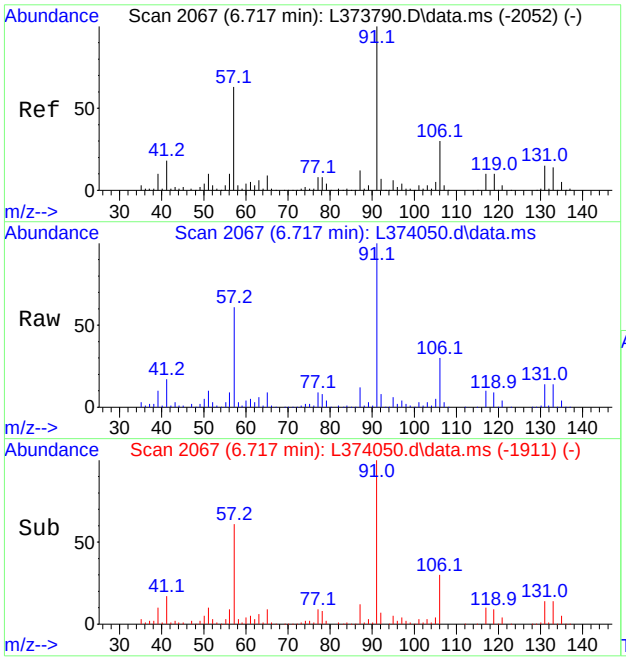


#86
1,1,1,2-tetrachloroethane
Concen: 51.2602 ug/L
RT: 6.711 min Scan# 2065
Delta R.T. -0.000 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion:131 Resp: 97314

Ion	Ratio	Lower	Upper
131	100		
133	95.7	65.1	125.1
119	63.4	30.8	90.8

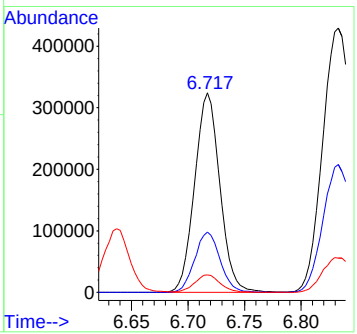


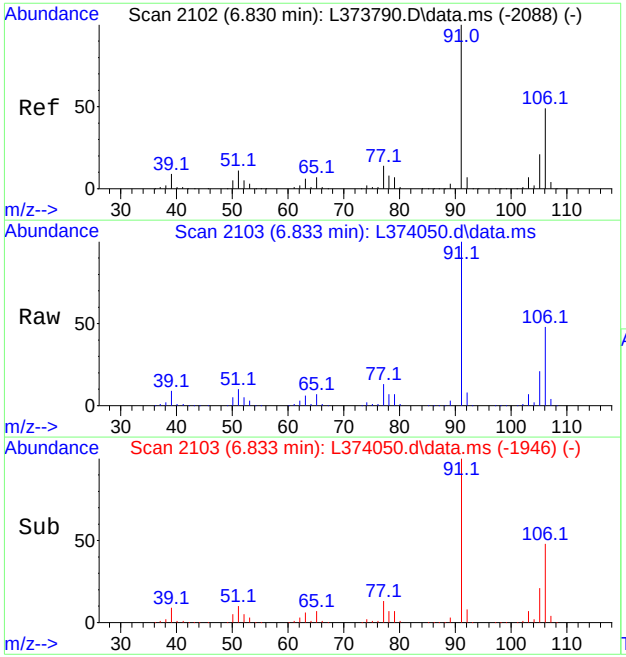


#87
ethylbenzene
Concen: 51.3120 ug/L
RT: 6.717 min Scan# 2067
Delta R.T. 0.000 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 91 Resp: 502227

Ion	Ratio	Lower	Upper
91	100		
106	30.3	0.1	60.1
77	8.7	0.0	38.6

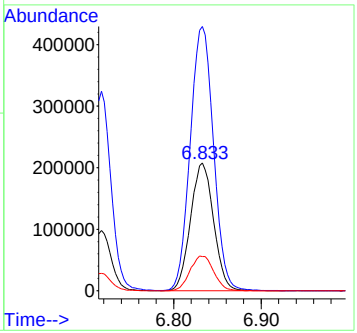


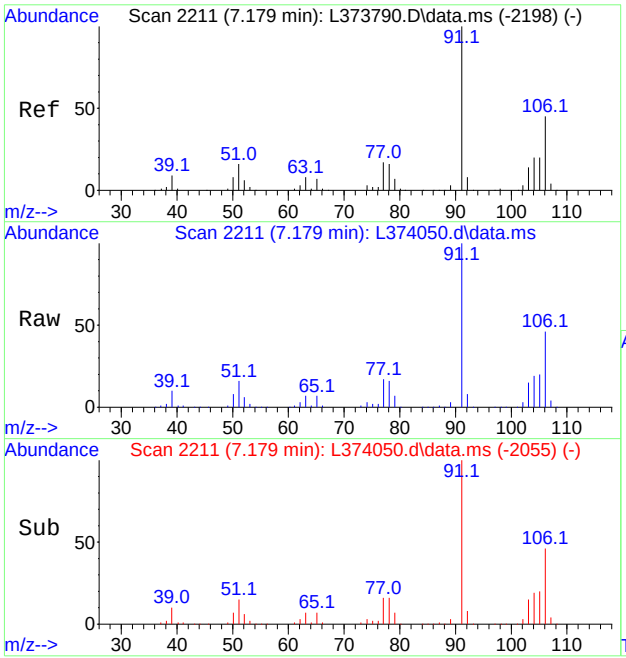


#88
m,p-xylene
Concen: 101.4746 ug/L
RT: 6.833 min Scan# 2103
Delta R.T. 0.003 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion:106 Resp: 382504

Ion	Ratio	Lower	Upper
106	100		
91	206.7	175.7	235.7
77	26.8	8.1	48.1

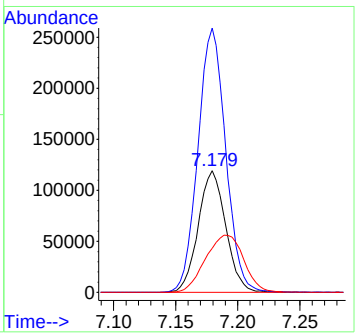


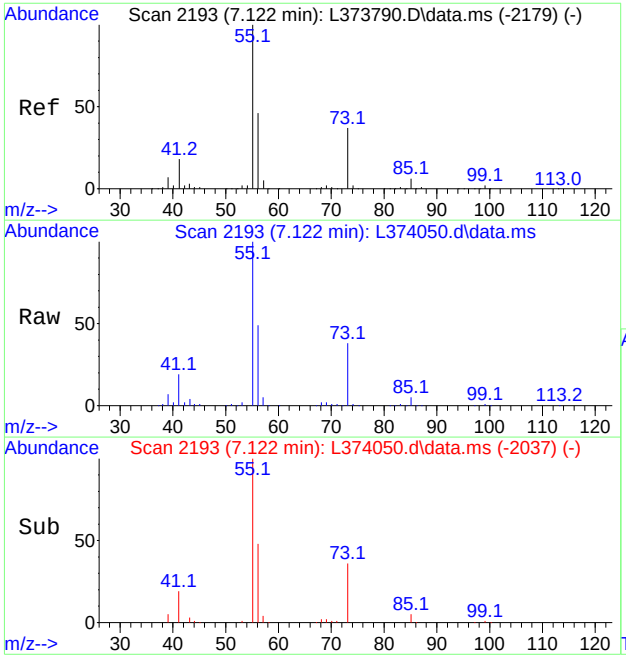


#89
o-xylene
Concen: 49.9846 ug/L
RT: 7.179 min Scan# 2211
Delta R.T. 0.000 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion:106 Resp: 184233

Ion	Ratio	Lower	Upper
106	100		
91	217.1	194.5	254.5
77	36.1	18.1	58.1

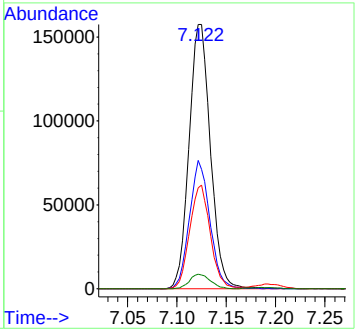


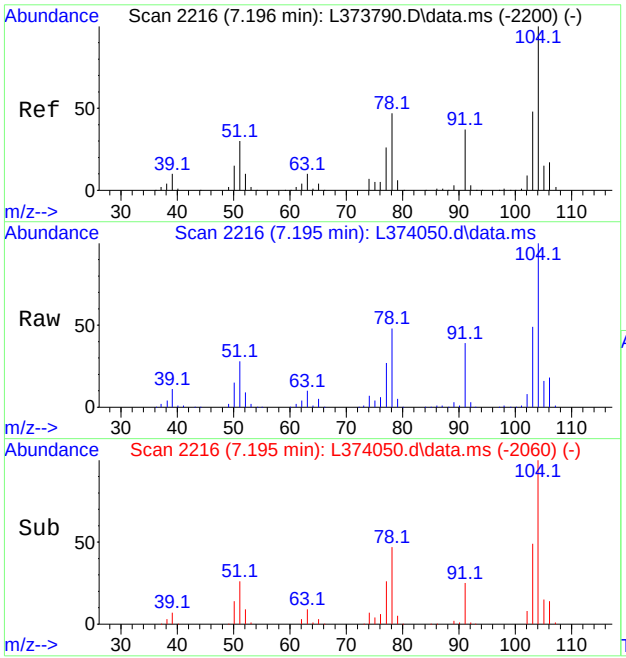


#90
butyl acrylate
Concen: 44.1644 ug/L
RT: 7.122 min Scan# 2193
Delta R.T. -0.000 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 55 Resp: 238106

Ion	Ratio	Lower	Upper
55	100		
56	48.6	26.3	66.3
73	38.2	17.5	57.5
85	5.5	0.0	25.6

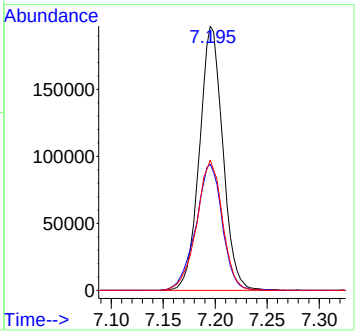


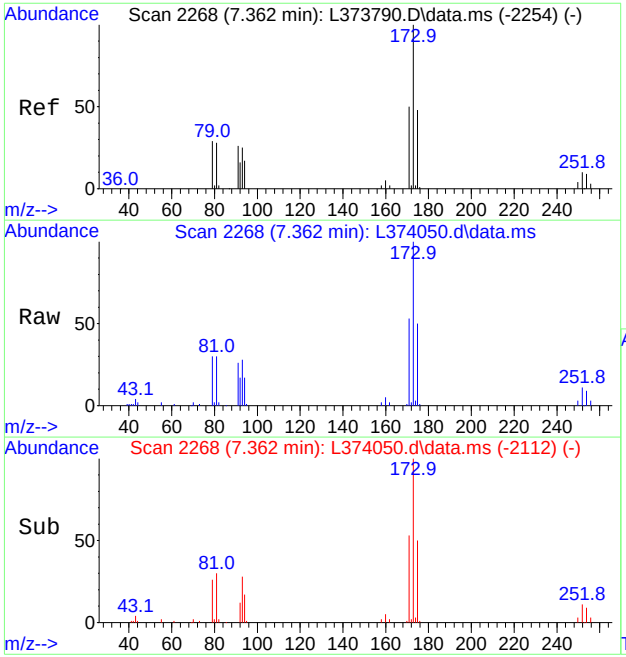


#91
styrene
Concen: 49.9710 ug/L
RT: 7.195 min Scan# 2216
Delta R.T. -0.001 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion:104 Resp: 308827

Ion	Ratio	Lower	Upper
104	100		
78	47.7	16.8	76.8
103	49.3	17.7	77.7

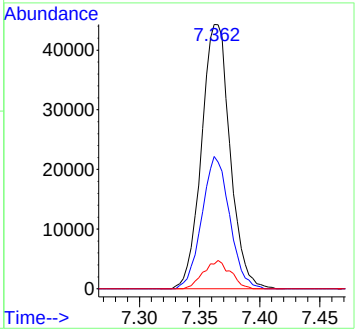


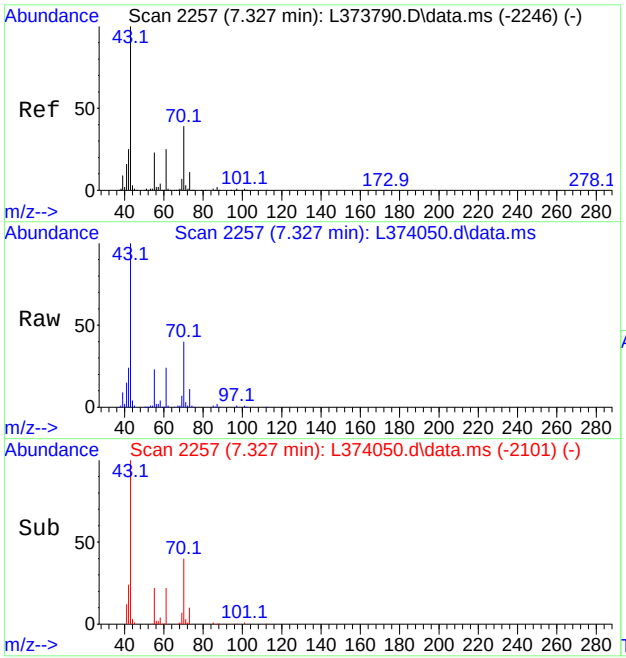


#92
bromoform
Concen: 45.0476 ug/L
RT: 7.362 min Scan# 2268
Delta R.T. 0.000 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion:173 Resp: 73147

Ion	Ratio	Lower	Upper
173	100		
175	50.0	17.8	77.8
254	9.3	0.0	39.4

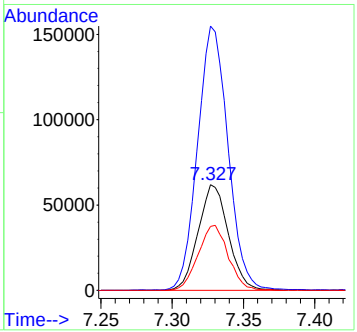


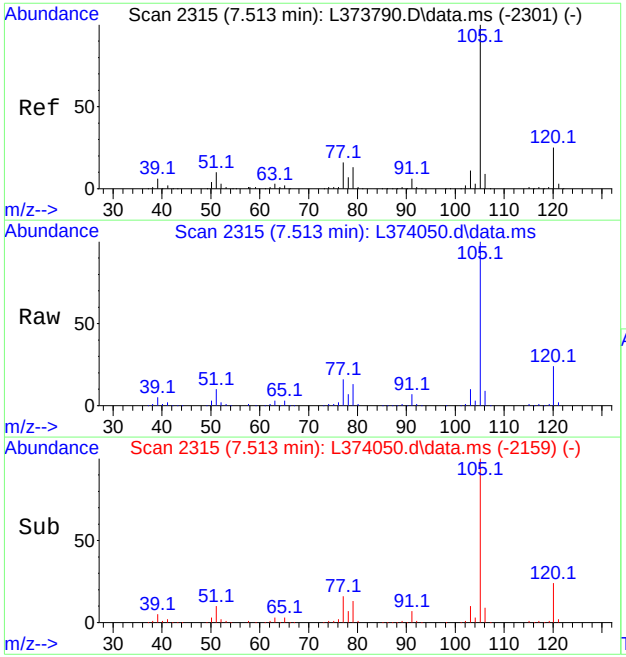


#93
n-amyl acetate
Concen: 45.4594 ug/L
RT: 7.327 min Scan# 2257
Delta R.T. -0.000 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 70 Resp: 91721

Ion	Ratio	Lower	Upper
70	100		
43	249.8	233.4	273.4
61	60.4	42.6	82.6

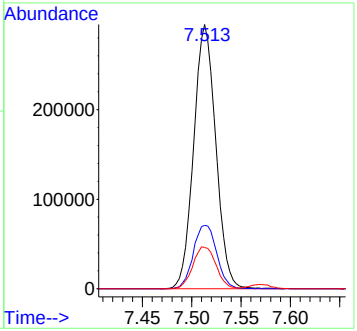


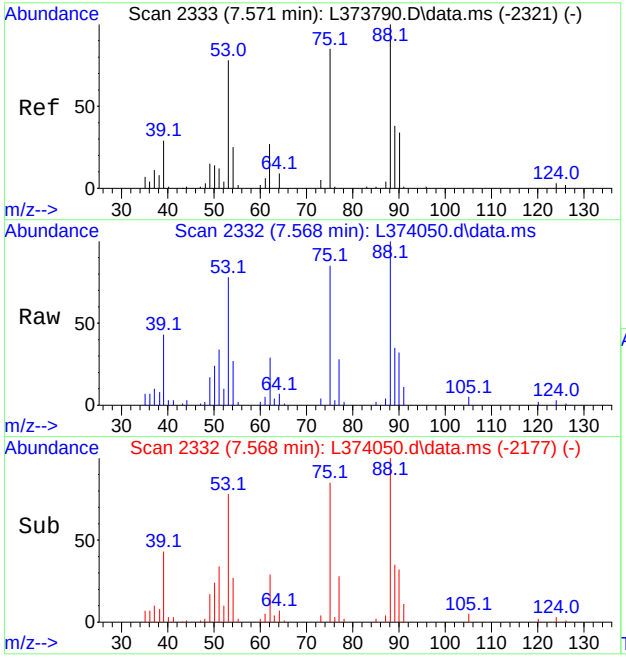


#94
isopropylbenzene
Concen: 51.7911 ug/L
RT: 7.513 min Scan# 2315
Delta R.T. 0.000 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion:105 Resp: 460741

Ion	Ratio	Lower	Upper
105	100		
120	23.9	5.2	45.2
77	15.6	0.0	36.2

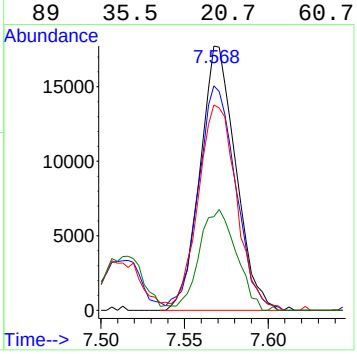


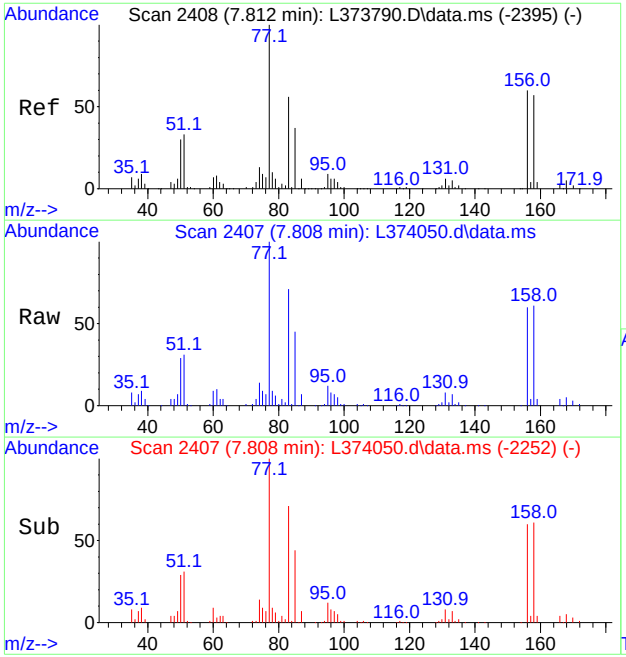


#95
cis-1,4-dichloro-2-butene
Concen: 34.7274 ug/L
RT: 7.568 min Scan# 2332
Delta R.T. -0.003 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 88 Resp: 26300

Ion	Ratio	Lower	Upper
88	100		
75	84.9	66.5	106.5
53	77.7	59.7	99.7
89	35.5	20.7	60.7

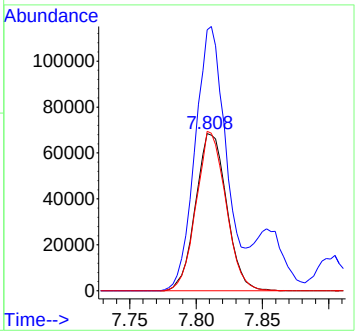


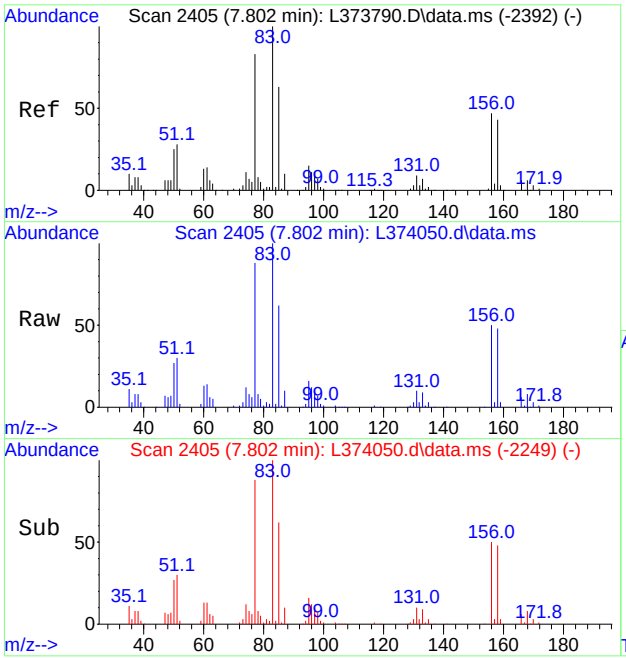


#98
bromobenzene
Concen: 48.1837 ug/L
RT: 7.808 min Scan# 2407
Delta R.T. -0.004 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion:156 Resp: 111323

Ion	Ratio	Lower	Upper
156	100		
77	165.9	137.0	197.0
158	101.5	65.5	125.5

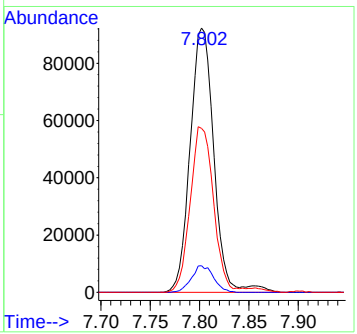


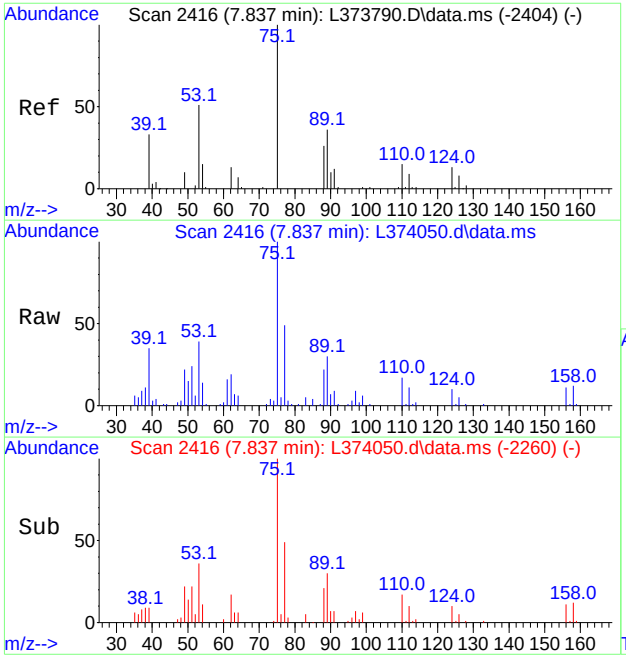


#99
1,1,2,2-tetrachloroethane
Concen: 44.1509 ug/L
RT: 7.802 min Scan# 2405
Delta R.T. -0.000 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 83 Resp: 154530

Ion	Ratio	Lower	Upper
83	100		
131	10.1	0.0	38.9
85	62.0	33.3	93.3

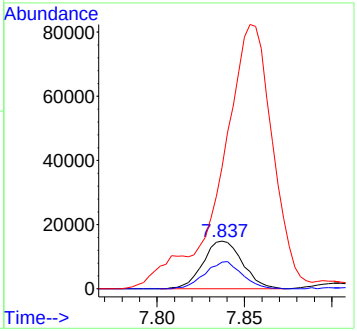


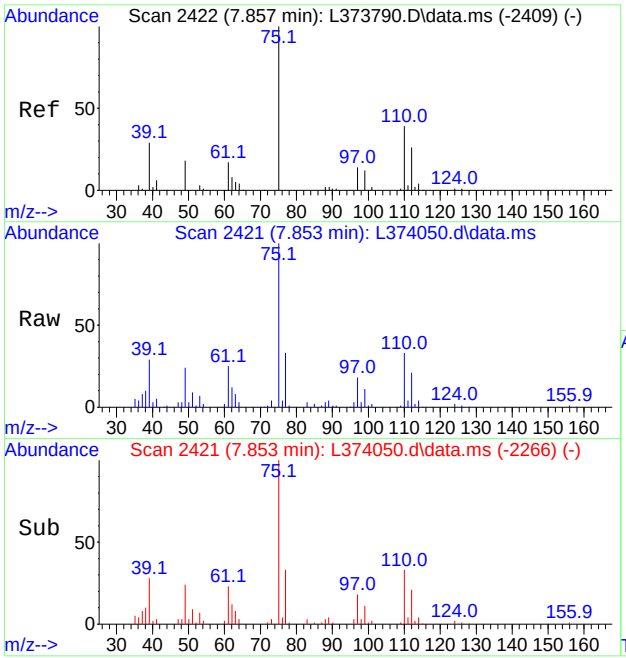


#100
trans-1,4-dichloro-2-butene
Concen: 33.3428 ug/L
RT: 7.837 min Scan# 2416
Delta R.T. 0.000 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 53 Resp: 23393

Ion	Ratio	Lower	Upper
53	100		
88	56.2	21.0	81.0
75	207.3	165.8	225.8

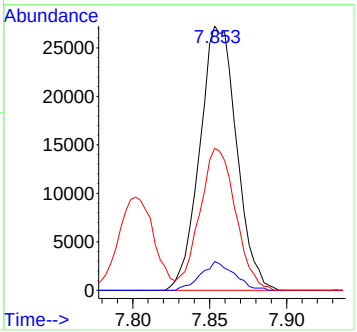


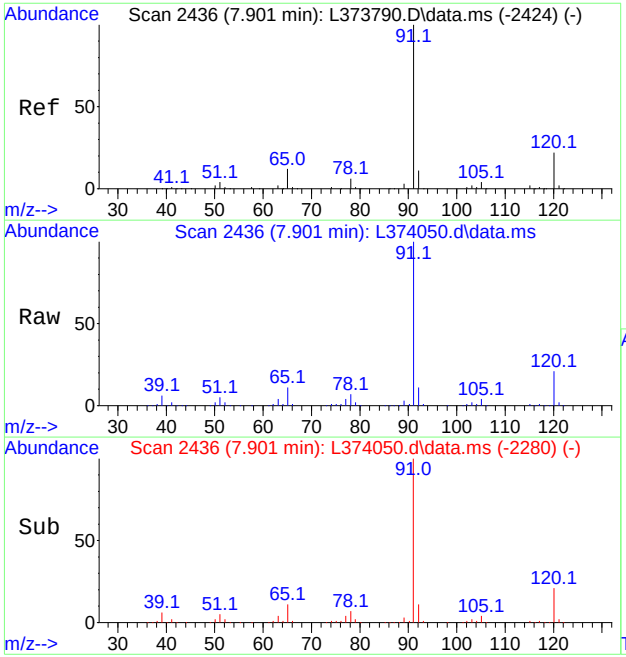


#101
1,2,3-trichloropropane
Concen: 43.3368 ug/L
RT: 7.853 min Scan# 2421
Delta R.T. -0.004 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion:110 Resp: 45327

Ion	Ratio	Lower	Upper
110	100		
111	10.9	0.0	38.4
97	53.8	22.5	82.5

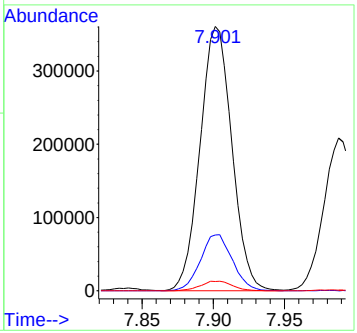


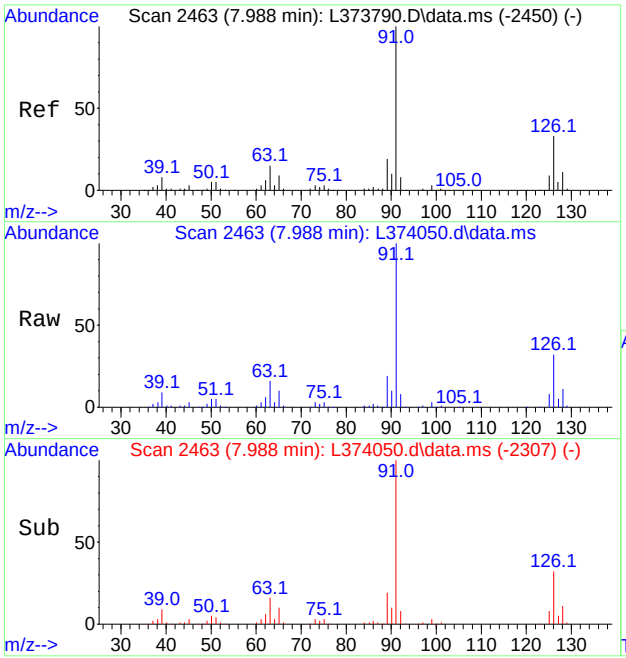


#102
n-propylbenzene
Concen: 50.2777 ug/L
RT: 7.901 min Scan# 2436
Delta R.T. 0.000 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 91 Resp: 561408

Ion	Ratio	Lower	Upper
91	100		
120	21.1	0.0	51.5
105	3.5	0.0	33.7

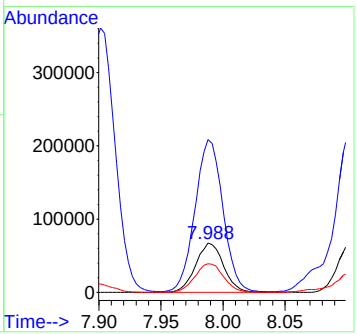


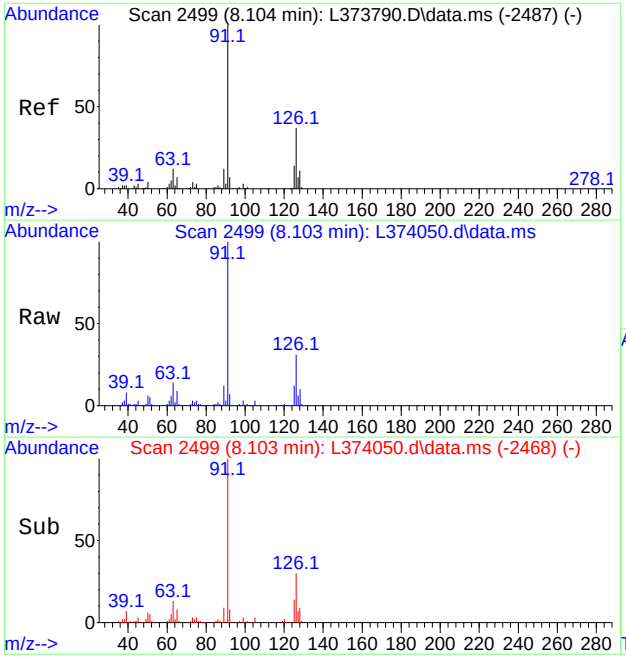


#103
2-chlorotoluene
Concen: 48.6023 ug/L
RT: 7.988 min Scan# 2463
Delta R.T. -0.000 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion:126 Resp: 105315

Ion	Ratio	Lower	Upper
126	100		
91	308.9	276.4	336.4
89	58.4	28.8	88.8

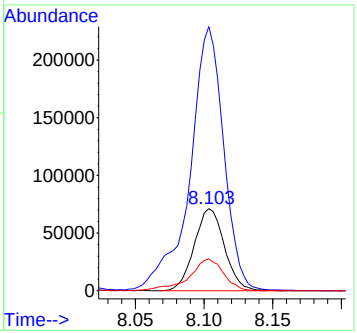


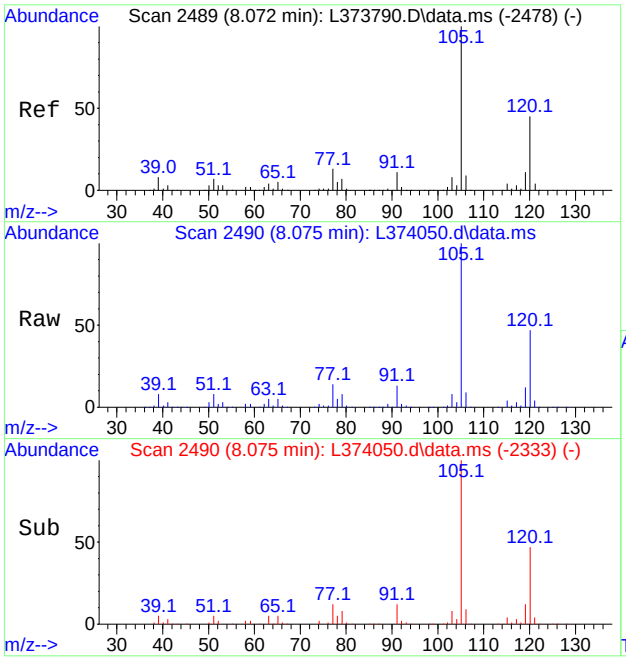


#104
4-chlorotoluene
Concen: 47.5592 ug/L
RT: 8.103 min Scan# 2499
Delta R.T. -0.001 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion:126 Resp: 109305

Ion	Ratio	Lower	Upper
126	100		
91	321.3	265.5	325.5
89	39.0	5.5	65.5

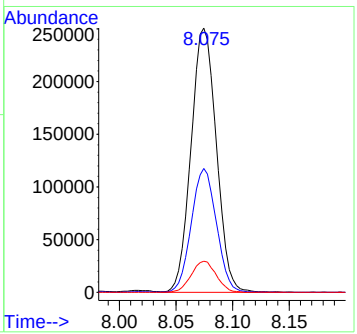


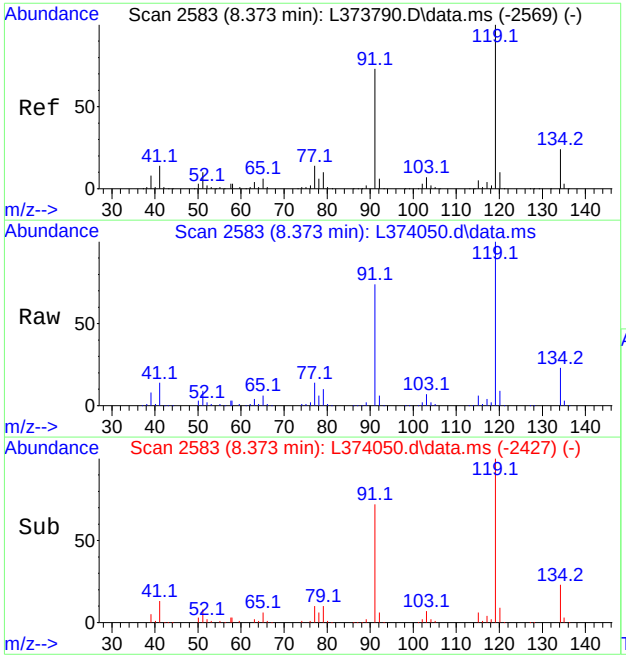


#105
1,3,5-trimethylbenzene
Concen: 50.2433 ug/L
RT: 8.075 min Scan# 2490
Delta R.T. 0.003 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion:105 Resp: 390511

Ion	Ratio	Lower	Upper
105	100		
120	46.8	14.9	74.9
119	11.8	0.0	40.8

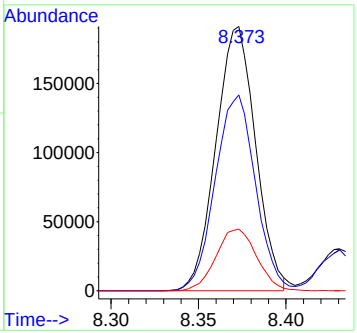


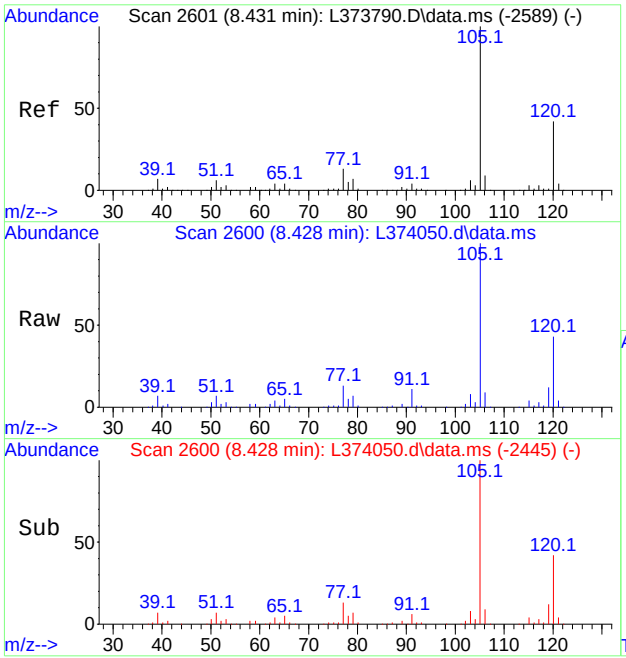


#106
tert-butylbenzene
Concen: 49.2236 ug/L
RT: 8.373 min Scan# 2583
Delta R.T. 0.000 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion:119 Resp: 301790

Ion	Ratio	Lower	Upper
119	100		
91	74.1	42.9	102.9
134	23.4	0.0	54.4

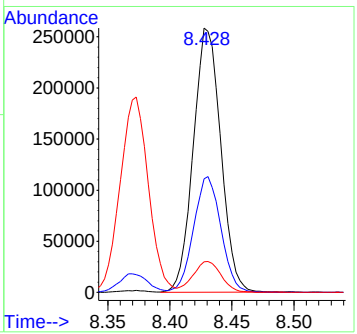


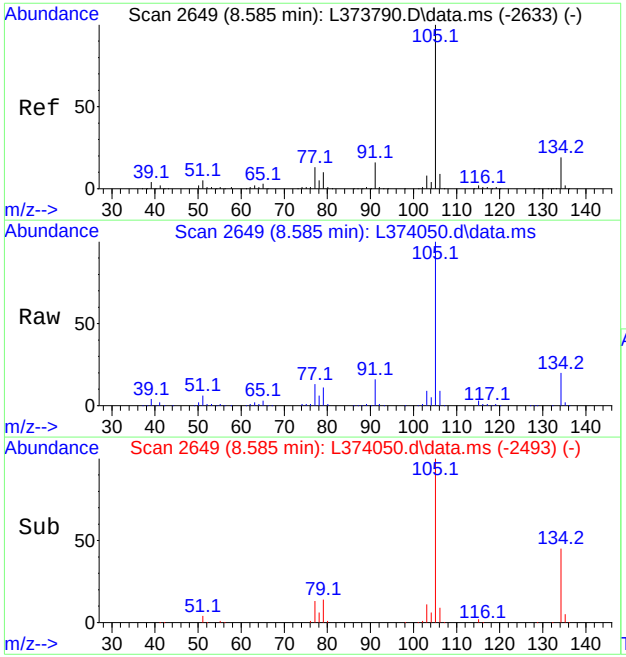


#107
1,2,4-trimethylbenzene
Concen: 50.7206 ug/L
RT: 8.428 min Scan# 2600
Delta R.T. -0.003 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion:105 Resp: 398219

Ion	Ratio	Lower	Upper
105	100		
120	43.0	13.1	73.1
119	11.6	0.0	41.9

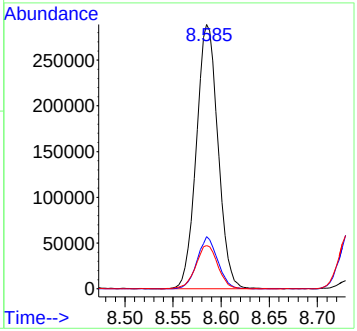


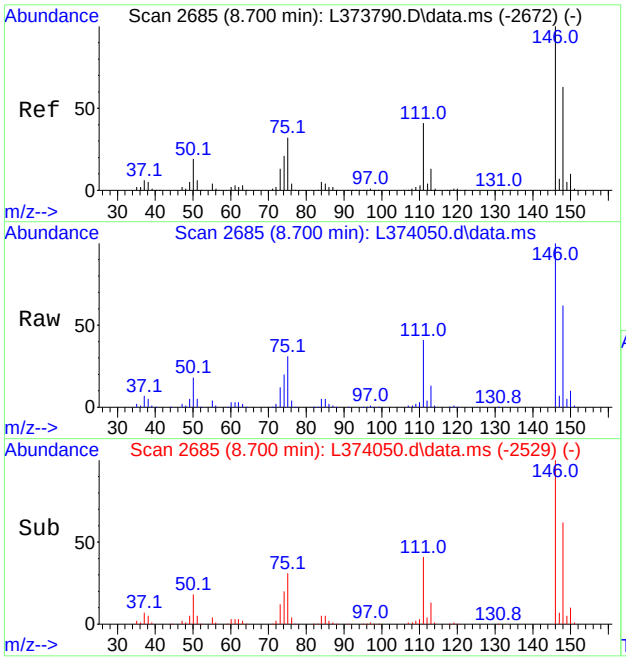


#108
sec-butylbenzene
Concen: 50.8305 ug/L
RT: 8.585 min Scan# 2649
Delta R.T. -0.000 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion:105 Resp: 452414

Ion	Ratio	Lower	Upper
105	100		
134	19.8	0.0	48.8
91	16.4	0.0	45.9

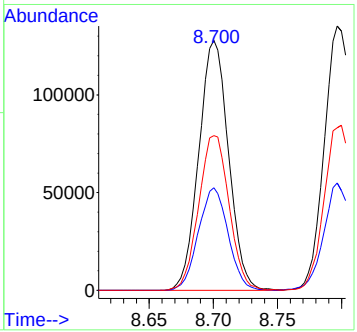


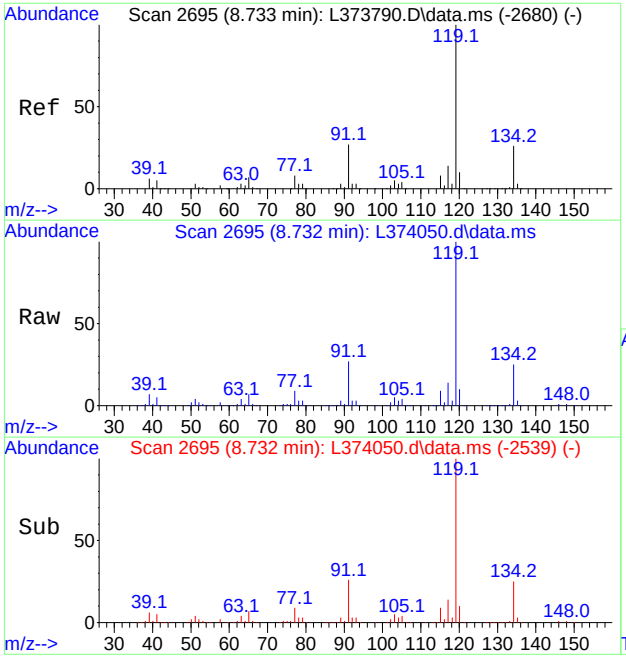


#109
1,3-dichlorobenzene
Concen: 48.3509 ug/L
RT: 8.700 min Scan# 2685
Delta R.T. 0.000 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion:146 Resp: 206589

Ion	Ratio	Lower	Upper
146	100		
111	41.0	11.0	71.0
148	61.9	33.0	93.0

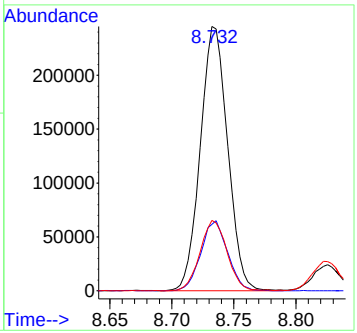


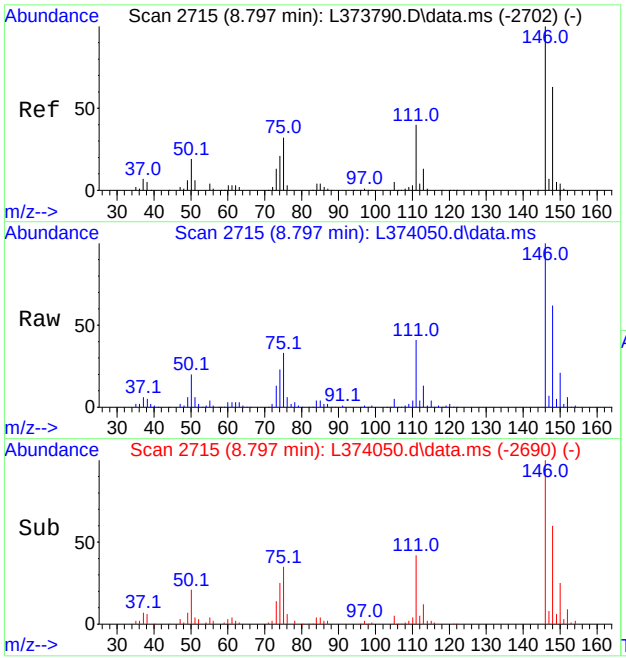


#110
p-isopropyltoluene
Concen: 51.0933 ug/L
RT: 8.732 min Scan# 2695
Delta R.T. -0.001 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion:119 Resp: 375956

Ion	Ratio	Lower	Upper
119	100		
134	25.1	0.0	56.5
91	26.6	0.0	56.9

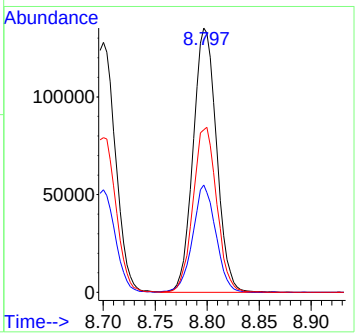


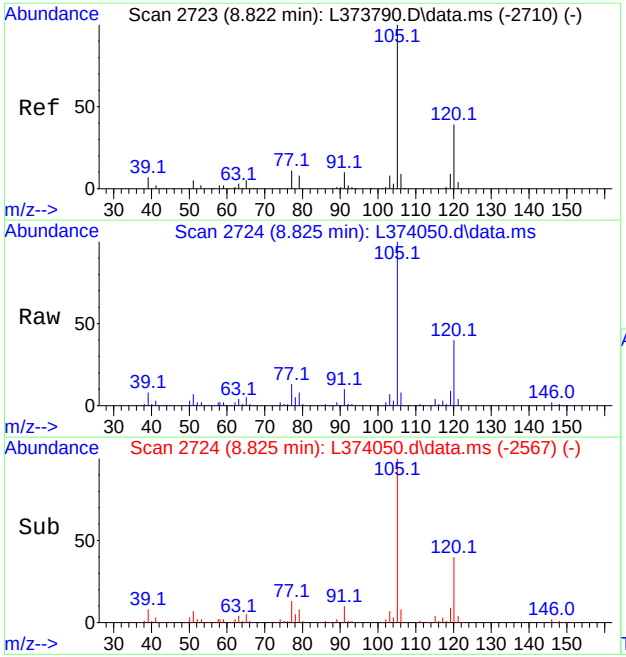


#111
1,4-dichlorobenzene
Concen: 48.2096 ug/L
RT: 8.797 min Scan# 2715
Delta R.T. -0.000 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion:146 Resp: 212794

Ion	Ratio	Lower	Upper
146	100		
111	40.6	9.7	69.7
148	61.5	33.0	93.0

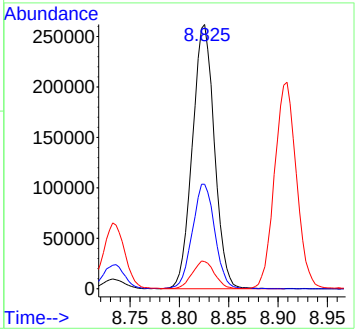


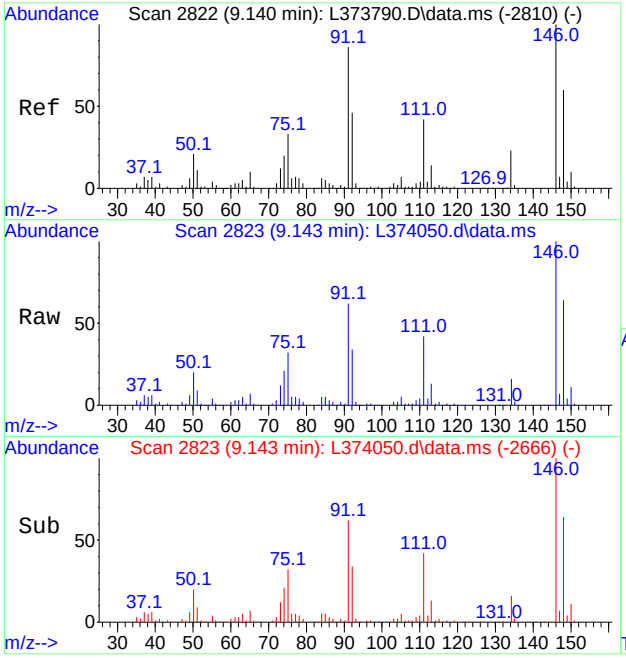


#112
1,2,3-trimethylbenzene
Concen: 48.9908 ug/L
RT: 8.825 min Scan# 2724
Delta R.T. 0.003 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion:105 Resp: 406342

Ion	Ratio	Lower	Upper
105	100		
120	39.5	8.8	68.8
91	10.2	0.0	40.2

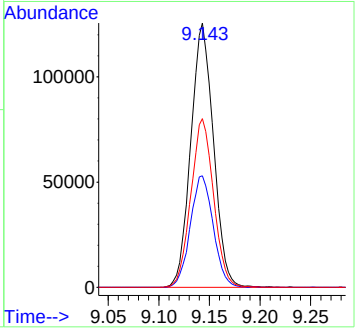


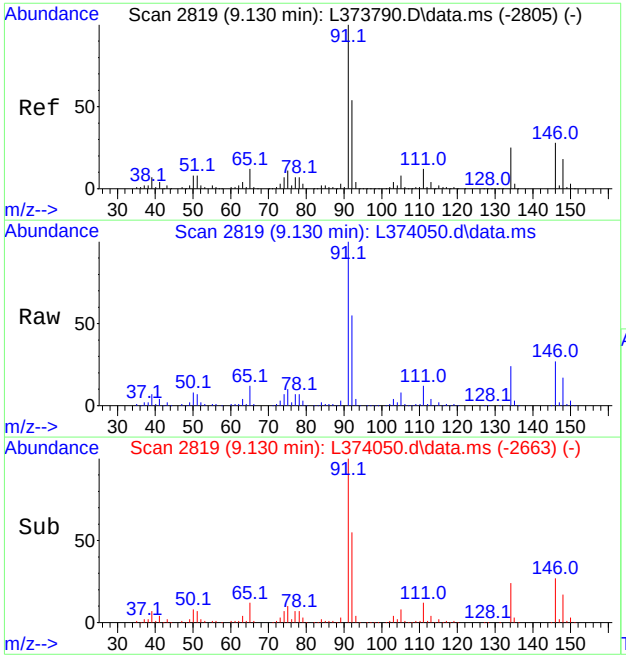


#113
1,2-dichlorobenzene
Concen: 47.6842 ug/L
RT: 9.143 min Scan# 2823
Delta R.T. 0.003 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion:146 Resp: 195717

Ion	Ratio	Lower	Upper
146	100		
111	42.2	12.1	72.1
148	63.8	30.4	90.4

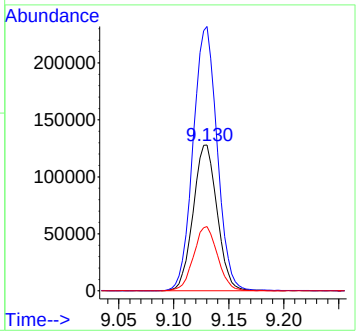


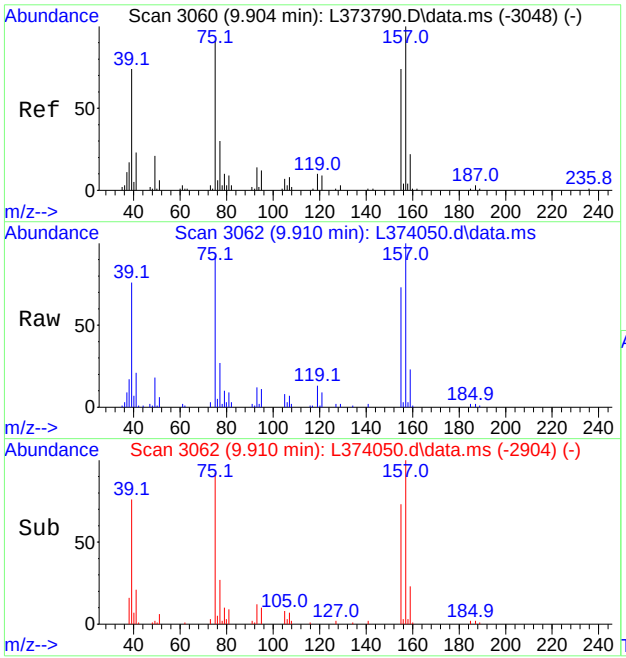


#114
n-butylbenzene
Concen: 52.8918 ug/L
RT: 9.130 min Scan# 2819
Delta R.T. 0.000 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 92 Resp: 193891

Ion	Ratio	Lower	Upper
92	100		
91	181.0	155.4	215.4
134	44.0	15.6	75.6

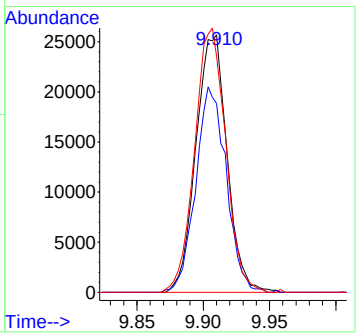


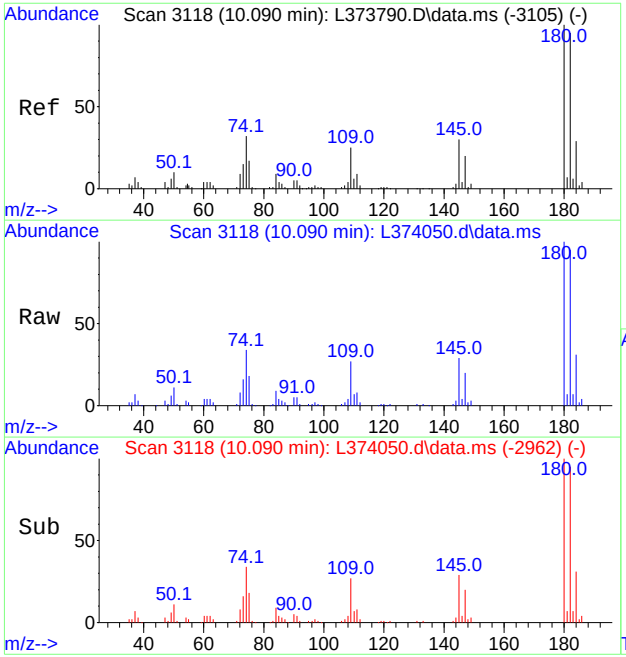


#115
1,2-dibromo-3-chloropropane
Concen: 44.5068 ug/L
RT: 9.910 min Scan# 3062
Delta R.T. 0.006 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion:157 Resp: 41959

Ion	Ratio	Lower	Upper
157	100		
155	73.4	44.1	104.1
75	91.8	60.9	120.9

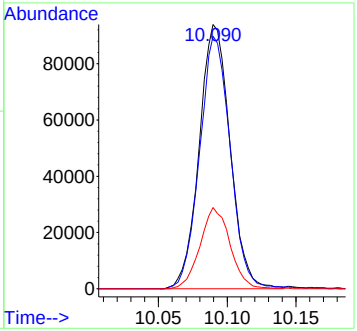


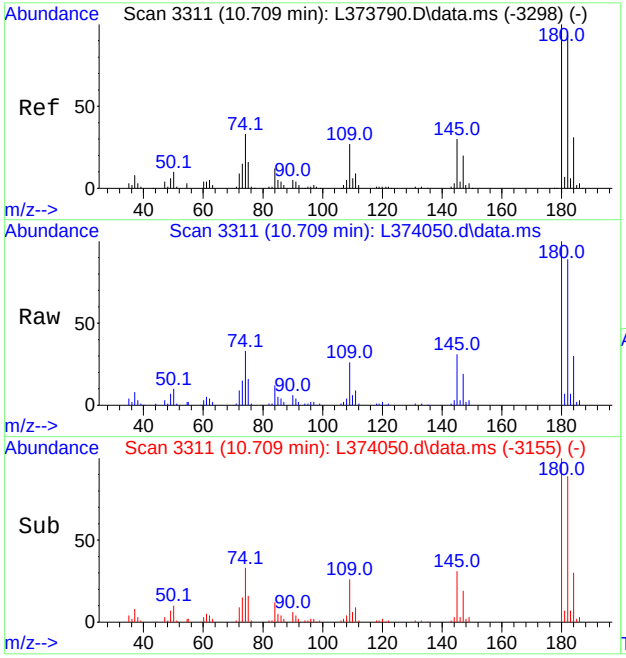


#116
1,3,5-trichlorobenzene
Concen: 55.5255 ug/L
RT: 10.090 min Scan# 3118
Delta R.T. -0.000 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion:180 Resp: 146670

Ion	Ratio	Lower	Upper
180	100		
182	95.5	65.0	125.0
184	30.8	0.0	59.4

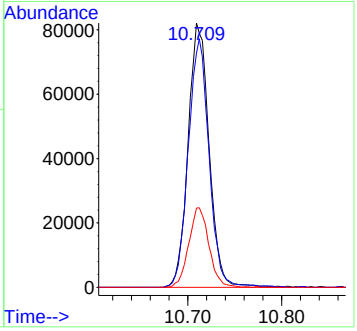


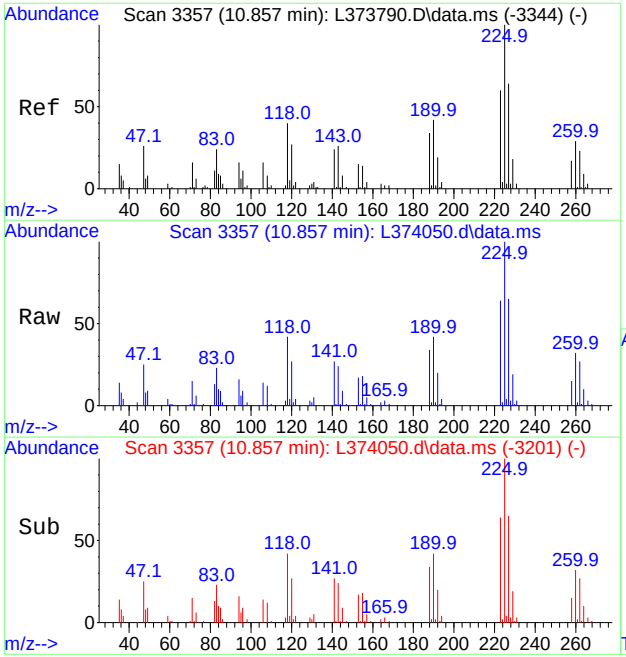


#117
1,2,4-trichlorobenzene
Concen: 54.8235 ug/L
RT: 10.709 min Scan# 3311
Delta R.T. 0.000 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion:180 Resp: 127633

Ion	Ratio	Lower	Upper
180	100		
182	88.6	63.1	123.1
184	30.0	0.8	60.8

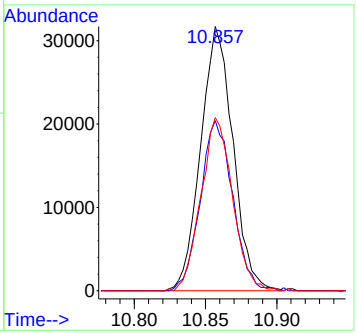


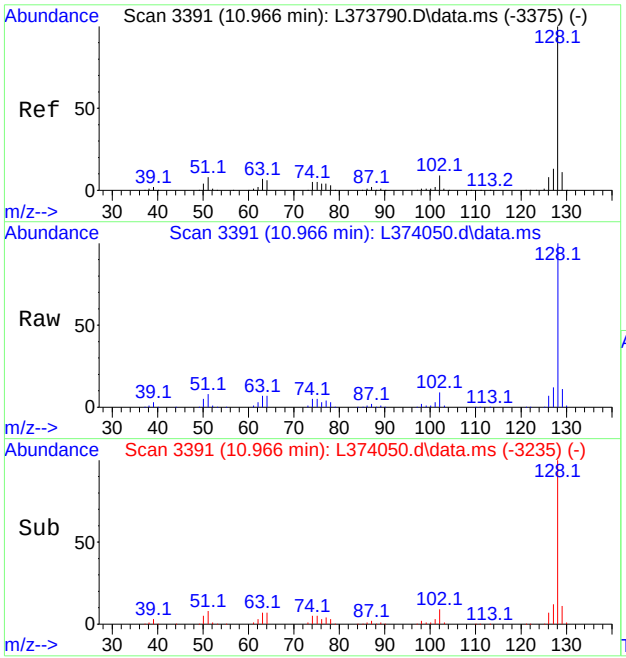


#118
hexachlorobutadiene
Concen: 57.0459 ug/L
RT: 10.857 min Scan# 3357
Delta R.T. -0.000 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion:225 Resp: 49907

Ion	Ratio	Lower	Upper
225	100		
223	64.3	30.0	90.0
227	65.5	33.8	93.8

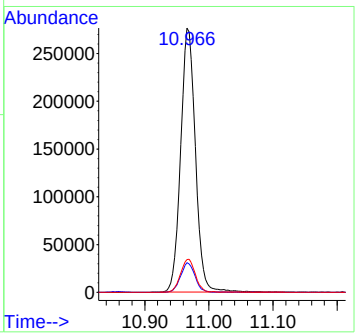


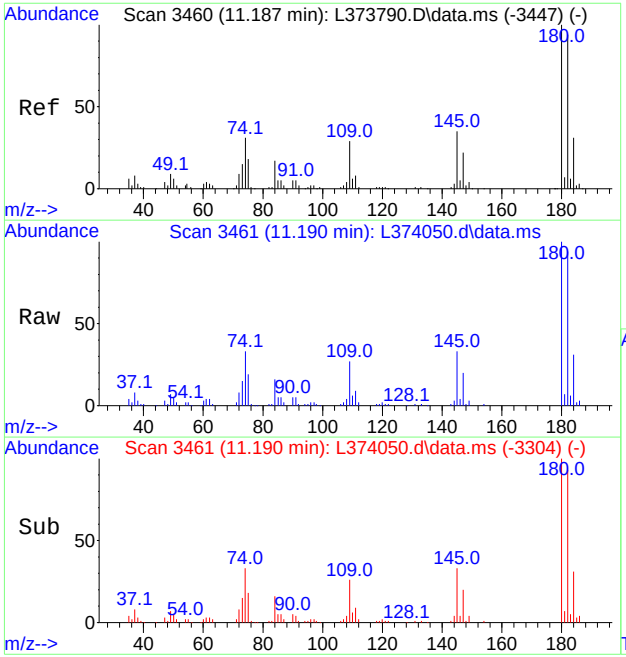


#119
naphthalene
Concen: 51.3012 ug/L
RT: 10.966 min Scan# 3391
Delta R.T. -0.000 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion:128 Resp: 442774

Ion	Ratio	Lower	Upper
128	100		
129	11.3	0.0	41.1
127	12.5	0.0	42.9

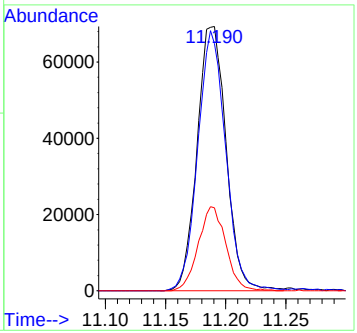


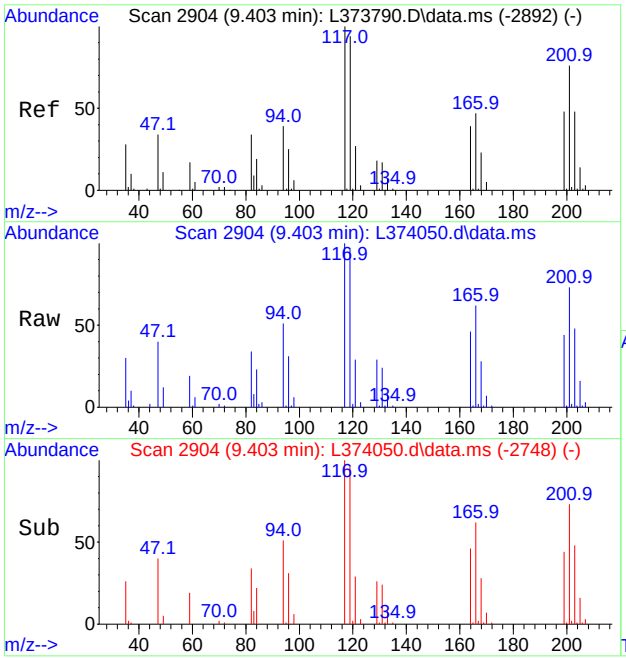


#120
1,2,3-trichlorobenzene
Concen: 52.4937 ug/L
RT: 11.190 min Scan# 3461
Delta R.T. 0.003 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion:180 Resp: 116457

Ion	Ratio	Lower	Upper
180	100		
182	93.5	63.9	123.9
184	31.4	1.2	61.2

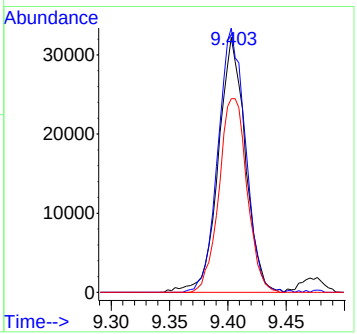


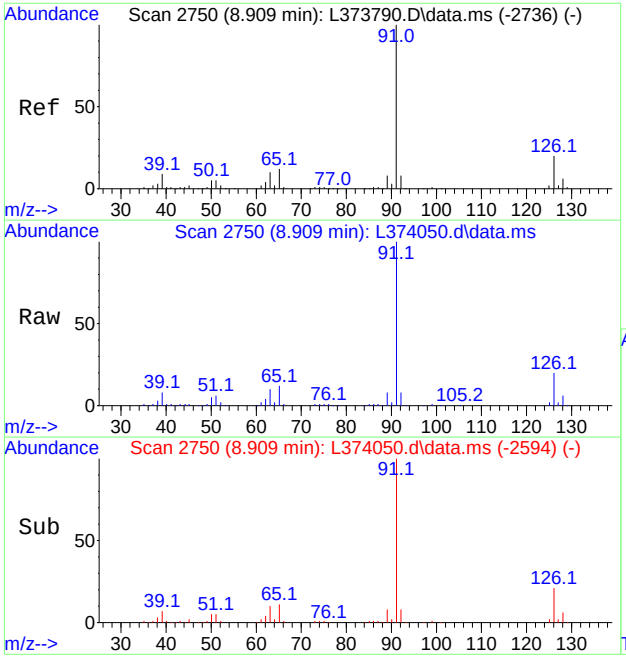


#121
hexachloroethane
Concen: 46.2942 ug/L
RT: 9.403 min Scan# 2904
Delta R.T. 0.000 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion:119 Resp: 51955

Ion	Ratio	Lower	Upper
119	100		
117	103.7	76.2	136.2
201	76.0	51.2	111.2

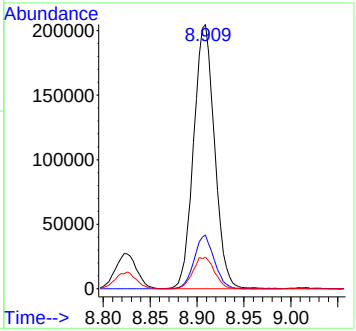


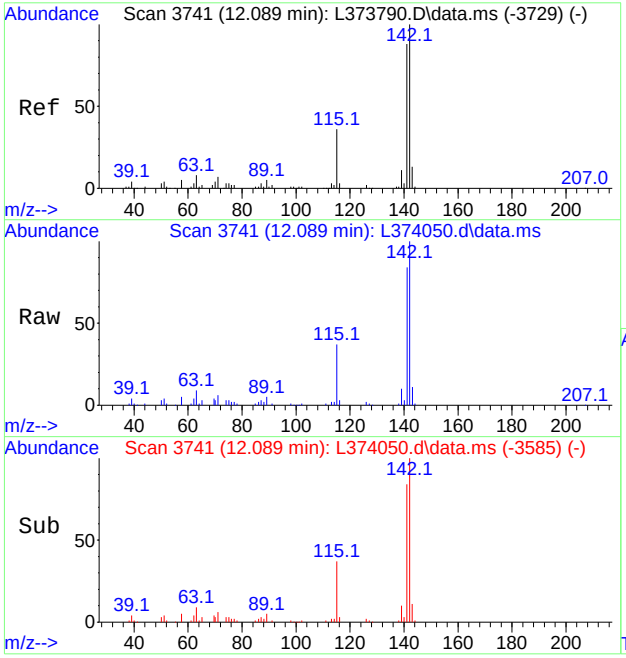


#122
benzyl chloride
Concen: 46.4982 ug/L
RT: 8.909 min Scan# 2750
Delta R.T. -0.000 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion: 91 Resp: 317523

Ion	Ratio	Lower	Upper
91	100		
126	20.4	0.0	49.8
65	12.0	0.0	41.8

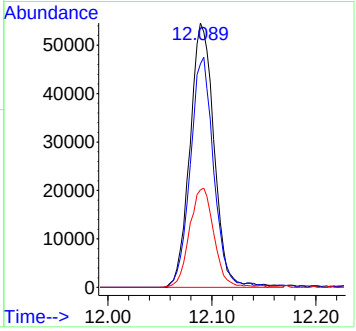




#123
2-methylnaphthalene
Concen: 26.5602 ug/L
RT: 12.089 min Scan# 3741
Delta R.T. -0.000 min
Lab File: L374050.d
Acq: 24 Oct 2025 5:30 pm

Tgt Ion:142 Resp: 88440

Ion	Ratio	Lower	Upper
142	100		
141	84.5	68.0	108.0
115	36.9	15.9	55.9



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\adriana2\VL11481\
Data File : L374051.d
Acq On : 24 Oct 2025 5:56 pm
Operator : BridgetK
Sample : je21509-2msd Inst : GCMSL
Misc : MS98392,VL11481,5,,,,5
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Oct 27 05:40:28 2025
Quant Method : C:\msdchem\1\data\adriana2\VL11481\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 13:39:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	2.610	65	218182	500.00	ug/L	0.00
5) pentafluorobenzene	3.752	168	201209	50.00	ug/L	0.00
51) 1,4-difluorobenzene	4.291	114	334939	50.00	ug/L	0.00
72) chlorobenzene-d5	6.615	117	255178	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	8.777	152	125505	50.00	ug/L	0.00
124) pentafluorobenzene(a)	3.752	168	201209	50.00	ug/L	0.00
131) 1,4-dichlorobenzene-d4(a)	8.777	152	125505	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	3.752	113	99271	47.26	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 94.52%			
52) 1,2-dichloroethane-d4 (s)	3.990	65	118764	48.74	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 97.48%			
73) toluene-d8 (s)	5.395	98	374594	50.62	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.24%			
97) 4-bromofluorobenzene (s)	7.677	95	132700	49.28	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.56%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.708	88	77134	1281.5086	ug/L	97
3) ethanol	2.087	45	233803	5117.4907	ug/L	95
4) tertiary butyl alcohol	2.661	59	162017	240.1540	ug/L	99
6) chlorodifluoromethane	1.368	51	132714	44.9911	ug/L	96
7) dichlorodifluoromethane	1.352	85	165567	55.5555	ug/L	100
8) chloromethane	1.487	50	128883	45.0593	ug/L	99
9) vinyl chloride	1.557	62	136956	48.3845	ug/L	99
10) 1,3-butadiene	1.583	54	124531	47.5542	ug/L	96
11) bromomethane	1.766	96	32645	46.3801	ug/L	92
12) chloroethane	1.840	64	55629	46.8493	ug/L	97
13) trichlorofluoromethane	2.000	101	198306	55.0965	ug/L	98
14) ethyl ether	2.164	74	57779	48.1984	ug/L	98
15) acrolein	2.254	56	21554	41.9622	ug/L	96
16) freon 113	2.321	151	78427	51.7114	ug/L	94
17) 1,1-dichloroethene	2.324	96	93759	49.4665	ug/L	98
18) acetone	2.337	58	65728	176.2198	ug/L	94
19) acetonitrile	2.514	40	130517	446.5594	ug/L	99
20) iodomethane	2.424	142	59891	40.2297	ug/L	99
21) iso-butyl alcohol	3.903	43	108292	427.0220	ug/L	97
22) carbon disulfide	2.475	76	270616	45.3918	ug/L	100
23) methylene chloride	2.626	84	109738	46.9119	ug/L	100
24) methyl acetate	2.523	74	28545	48.4450	ug/L #	82
25) methyl tert butyl ether	2.780	73	530074	84.5379	ug/L	99
26) trans-1,2-dichloroethene	2.793	96	107057	49.6751	ug/L	99
27) hexane	2.960	57	141715	53.2317	ug/L	98
28) di-isopropyl ether	3.069	45	349746	53.2871	ug/L	96
29) ethyl tert-butyl ether	3.300	59	343498	50.9521	ug/L	99
30) 2-butanone	3.412	72	93623	199.5404	ug/L	94
31) 1,1-dichloroethane	3.069	63	196483	48.2640	ug/L	99
32) chloroprene	3.117	53	179571	51.2698	ug/L	98
33) acrylonitrile	2.764	53	48101	42.8105	ug/L	97
34) vinyl acetate	3.049	86	26844	50.3922	ug/L	97
35) ethyl acetate	3.425	45	24402	42.0399	ug/L #	67
36) 2,2-dichloropropane	3.441	77	179570	48.9579	ug/L	99
37) cis-1,2-dichloroethene	3.435	96	117364	49.5630	ug/L	96
38) propionitrile	3.457	54	289527	452.9375	ug/L	99
39) methyl acrylate	3.467	85	25094	50.2147	ug/L	97
40) bromochloromethane	3.592	128	52206	50.0635	ug/L	91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\adriana2\VL11481\
Data File : L374051.d
Acq On : 24 Oct 2025 5:56 pm
Operator : BridgetK
Sample : je21509-2msd Inst : GCMSL
Misc : MS98392,VL11481,5,,,,5
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Oct 27 05:40:28 2025
Quant Method : C:\msdchem\1\data\adriana2\VL11481\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 13:39:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) tetrahydrofuran	3.605	72	27542	47.1058	ug/L		87
42) chloroform	3.646	83	207387	45.9056	ug/L		96
44) methacrylonitrile	3.556	67	66666	48.9023	ug/L		91
45) 1,1,1-trichloroethane	3.771	97	182644	51.0576	ug/L		97
46) cyclohexane	3.826	84	184460	62.0551	ug/L		90
47) 1,1-dichloropropene	3.874	75	155828	53.7152	ug/L		96
48) carbon tetrachloride	3.881	117	146513	50.2457	ug/L		100
49) isopropyl acetate	4.009	87	31854	49.2231	ug/L	#	86
50) tert amyl alcohol	3.986	55	49972	197.2521	ug/L		95
53) tert-amyl methyl ether	4.083	73	333865	51.2118	ug/L		99
54) 2,2,4-trimethylpentane	4.080	57	268027	55.2413	ug/L		98
55) n-butyl alcohol	4.362	56	399795	2086.5727	ug/L		100
56) benzene	4.015	78	435028	49.9157	ug/L		99
57) heptane	4.195	57	57383	55.7886	ug/L		93
58) 1,2-dichloroethane	4.041	62	164191	49.4920	ug/L		99
59) trichloroethene	4.471	95	116120	52.9207	ug/L		96
60) ethyl acrylate	4.503	55	182053	46.3594	ug/L		98
61) 2-nitropropane	5.010	41	53947	46.2977	ug/L		93
62) 2-chloroethyl vinyl ether	5.045	63	24179	32.0452	ug/L		94
63) methyl methacrylate	4.676	100	36878	50.7001	ug/L	#	89
64) 1,2-dichloropropane	4.660	63	111639	50.1831	ug/L		99
65) methylcyclohexane	4.648	83	168607	56.0543	ug/L		96
66) dibromomethane	4.728	93	76194	49.7128	ug/L		95
67) bromodichloromethane	4.850	83	152613	48.0704	ug/L		98
68) cis-1,3-dichloropropene	5.180	75	176358	49.5553	ug/L		99
69) epichlorohydrin	5.094	57	101015	222.6649	ug/L		96
70) 4-methyl-2-pentanone	5.283	58	252755	180.7202	ug/L		98
71) 3-methyl-1-butanol	5.315	70	150114	838.5055	ug/L		94
74) toluene	5.450	92	262020	50.0244	ug/L		98
75) trans-1,3-dichloropropene	5.626	75	166158	50.8789	ug/L		98
76) ethyl methacrylate	5.655	69	154450	46.8072	ug/L		99
77) 1,1,2-trichloroethane	5.790	83	88931	51.2099	ug/L		91
78) 2-hexanone	5.960	58	270612	181.8043	ug/L		96
79) tetrachloroethene	5.870	166	110288	52.4211	ug/L		96
80) 1,3-dichloropropane	5.928	76	172641	51.5838	ug/L		99
81) butyl acetate	6.050	56	90036	45.9044	ug/L		99
82) dibromochloromethane	6.111	129	109081	48.7005	ug/L		97
83) 1,2-dibromoethane	6.217	107	109218	51.7647	ug/L		99
84) n-butyl ether	6.711	57	422669	47.9377	ug/L		99
85) chlorobenzene	6.637	112	270068	49.1072	ug/L		99
86) 1,1,1,2-tetrachloroethane	6.711	131	96270	51.7286	ug/L		99
87) ethylbenzene	6.717	91	488858	50.9490	ug/L		100
88) m,p-xylene	6.833	106	372398	100.7773	ug/L		99
89) o-xylene	7.179	106	180927	50.0733	ug/L		97
90) butyl acrylate	7.125	55	240644	45.5314	ug/L		100
91) styrene	7.199	104	307646	50.7795	ug/L		98
92) bromoform	7.365	173	75124	47.1941	ug/L		98
93) n-amyl acetate	7.330	70	93166	47.1027	ug/L		97
94) isopropylbenzene	7.516	105	451824	51.8086	ug/L		99
95) cis-1,4-dichloro-2-butene	7.571	88	27824	37.4774	ug/L		95
98) bromobenzene	7.815	156	110308	49.5255	ug/L		96
99) 1,1,2,2-tetrachloroethane	7.802	83	154032	45.6504	ug/L		99
100) trans-1,4-dichloro-2-b...	7.837	53	25359	37.4934	ug/L		93
101) 1,2,3-trichloropropane	7.856	110	47513	47.1215	ug/L		98
102) n-propylbenzene	7.905	91	553117	51.3831	ug/L		99
103) 2-chlorotoluene	7.988	126	104723	50.1321	ug/L		97
104) 4-chlorotoluene	8.107	126	107224	48.3942	ug/L		92
105) 1,3,5-trimethylbenzene	8.078	105	382249	51.0150	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\adriana2\VL11481\
Data File : L374051.d
Acq On : 24 Oct 2025 5:56 pm
Operator : BridgetK
Sample : je21509-2msd Inst : GCMSL
Misc : MS98392,VL11481,5,,,,5
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Oct 27 05:40:28 2025
Quant Method : C:\msdchem\1\data\adriana2\VL11481\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 13:39:16 2025
Response via : Initial Calibration

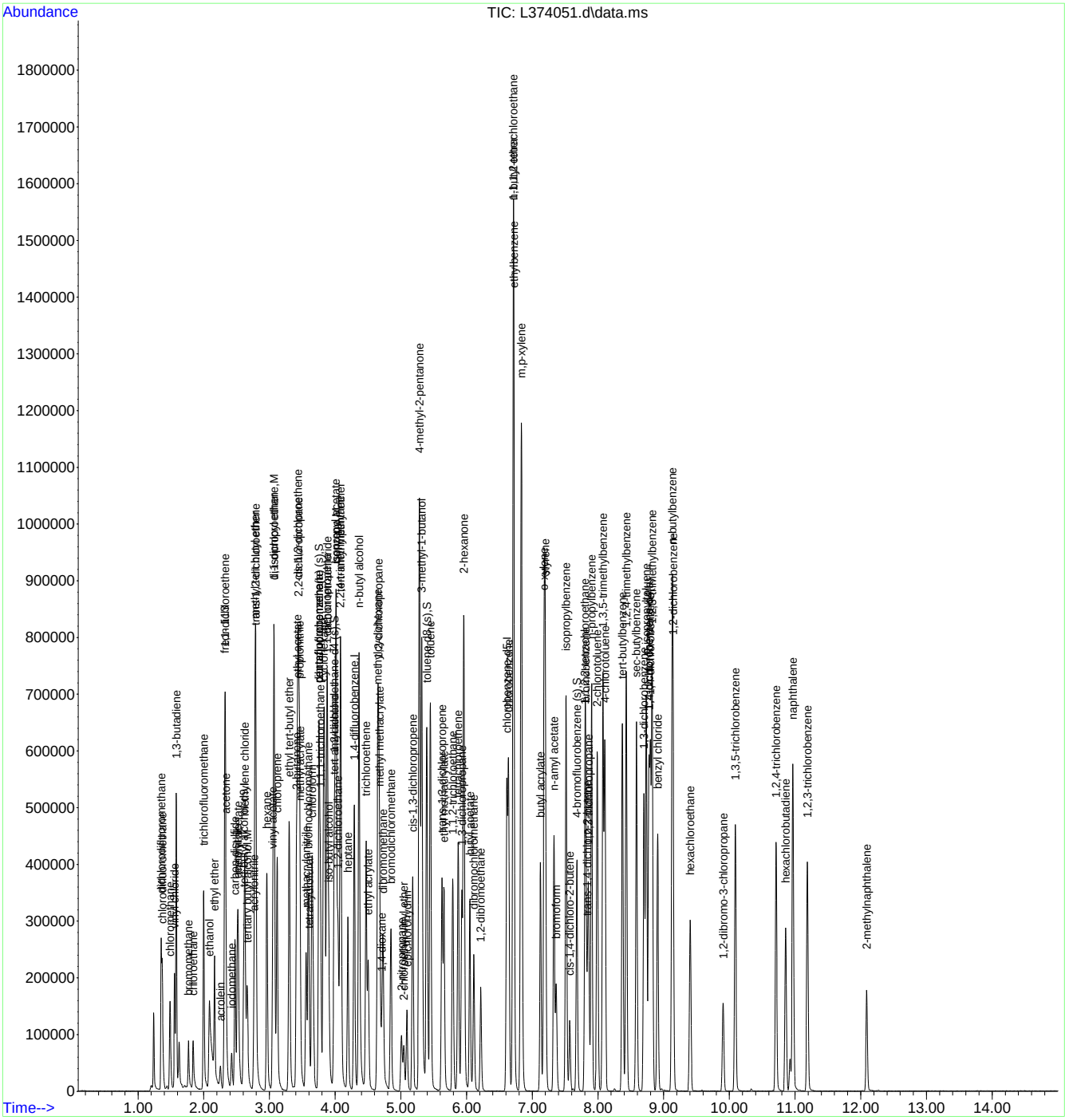
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
106) tert-butylbenzene	8.373	119	297485	50.3315	ug/L	98
107) 1,2,4-trimethylbenzene	8.431	105	391639	51.7434	ug/L	99
108) sec-butylbenzene	8.585	105	445478	51.9184	ug/L	98
109) 1,3-dichlorobenzene	8.700	146	205663	49.9299	ug/L	98
110) p-isopropyltoluene	8.736	119	371867	52.4229	ug/L	99
111) 1,4-dichlorobenzene	8.797	146	207479	48.7590	ug/L	98
112) 1,2,3-trimethylbenzene	8.825	105	398153	49.7943	ug/L	97
113) 1,2-dichlorobenzene	9.143	146	193568	48.9199	ug/L	98
114) n-butylbenzene	9.130	92	188267	53.2736	ug/L	97
115) 1,2-dibromo-3-chloropr...	9.907	157	41326	45.4707	ug/L	97
116) 1,3,5-trichlorobenzene	10.090	180	140167	55.0432	ug/L	99
117) 1,2,4-trichlorobenzene	10.709	180	129230	57.5803	ug/L	98
118) hexachlorobutadiene	10.857	225	52446	62.1845	ug/L	95
119) naphthalene	10.966	128	448464	53.8989	ug/L	100
120) 1,2,3-trichlorobenzene	11.187	180	117535	54.9560	ug/L	99
121) hexachloroethane	9.403	119	51324	47.4380	ug/L	96
122) benzyl chloride	8.909	91	321602	48.8524	ug/L	99
123) 2-methylnaphthalene	12.092	142	80947	25.2168	ug/L	96

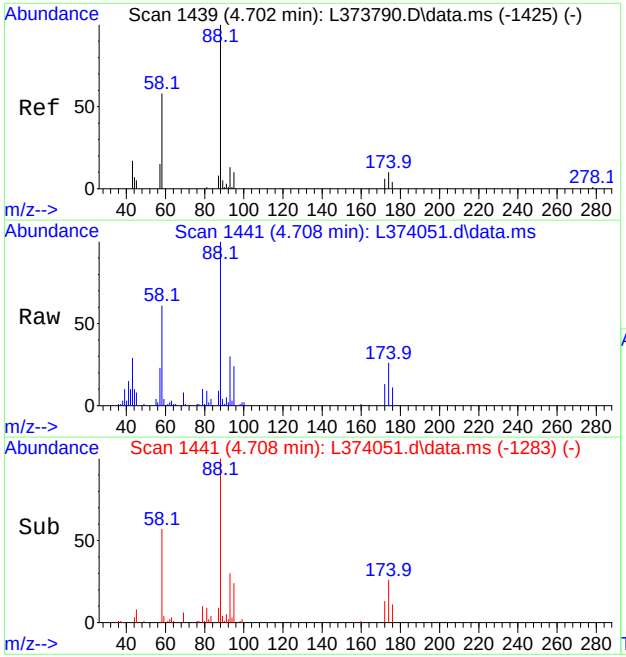
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\adriana2\VL11481\
Data File : L374051.d
Acq On : 24 Oct 2025 5:56 pm
Operator : BridgetK
Sample : je21509-2msd Inst : GCMSL
Misc : MS98392,VL11481,5,,,,5
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Oct 27 05:40:28 2025
Quant Method : C:\msdchem\1\data\adriana2\VL11481\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 13:39:16 2025
Response via : Initial Calibration

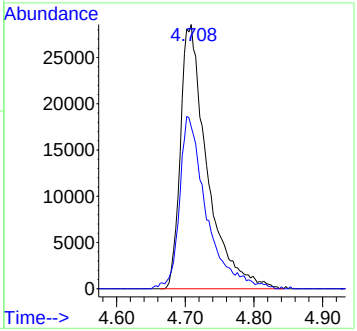


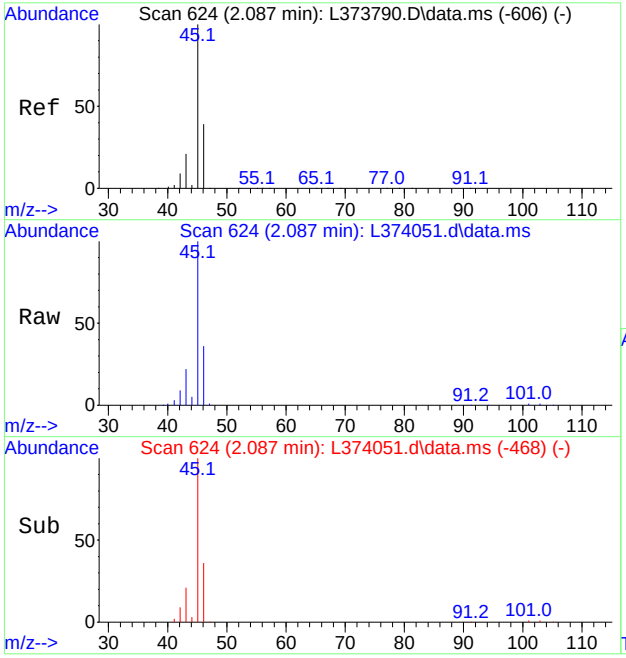


#2
1,4-dioxane
Concen: 1281.5086 ug/L
RT: 4.708 min Scan# 1441
Delta R.T. 0.006 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 88 Resp: 77134

Ion	Ratio	Lower	Upper
88	100		
58	61.3	29.1	89.1

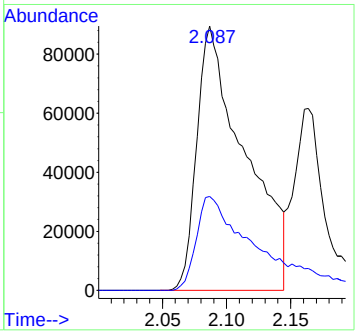


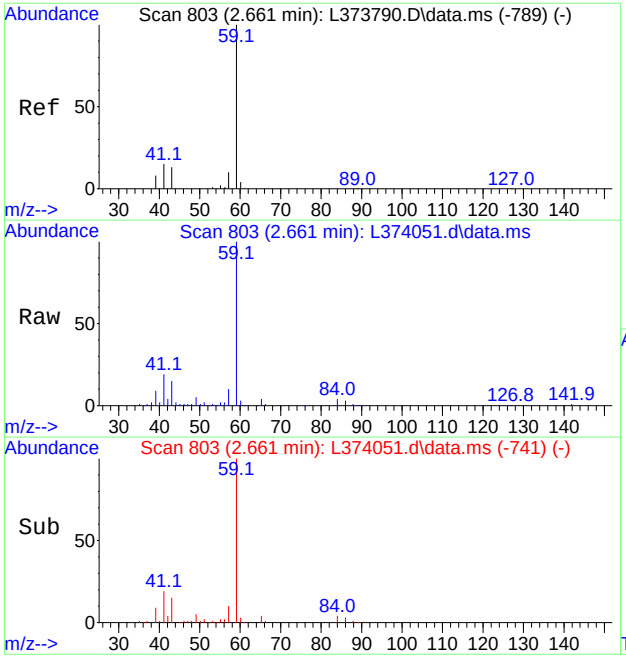


#3
ethanol
Concen: 5117.4907 ug/L
RT: 2.087 min Scan# 624
Delta R.T. -0.000 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 45 Resp: 233803

Ion	Ratio	Lower	Upper
45	100		
46	35.5	18.6	58.6

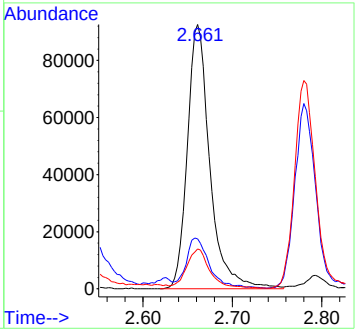


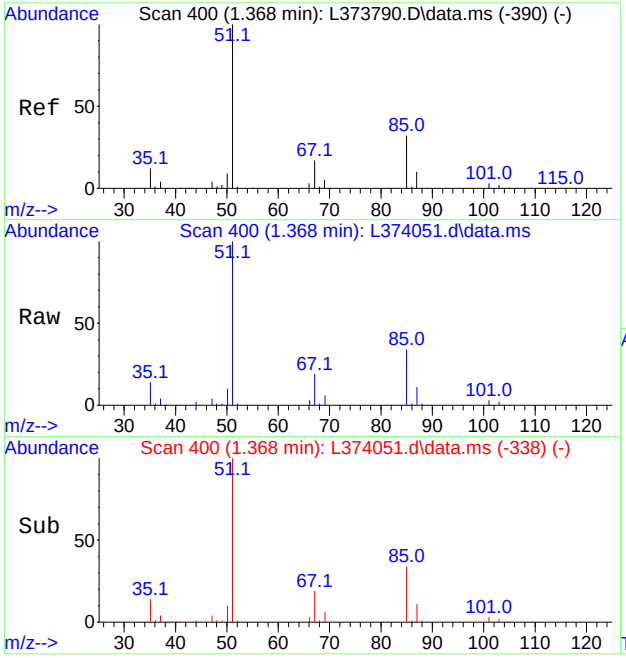


#4
tertiary butyl alcohol
Concen: 240.1540 ug/L
RT: 2.661 min Scan# 803
Delta R.T. 0.000 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 59 Resp: 162017

Ion	Ratio	Lower	Upper
59	100		
41	15.7	0.0	45.3
43	13.6	0.0	43.5

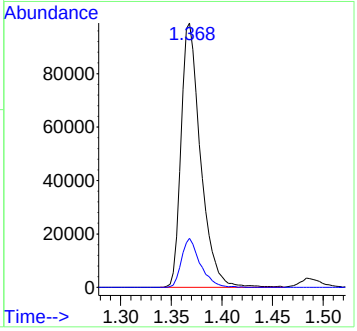


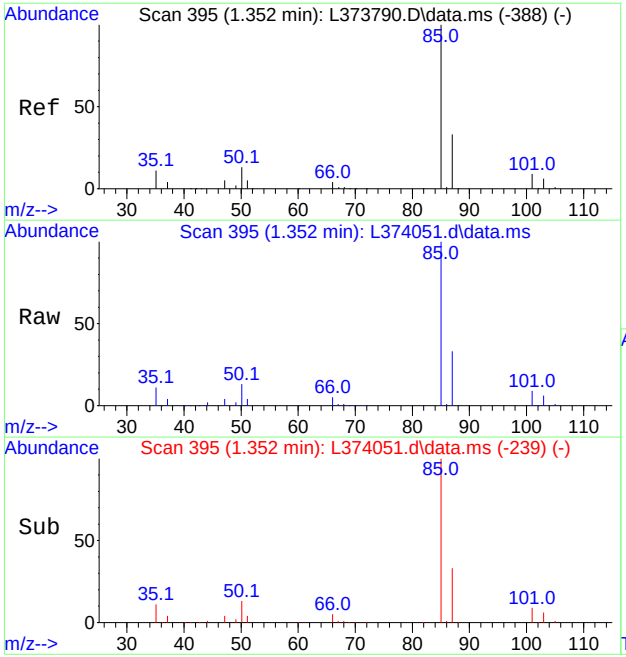


#6
chlorodifluoromethane
Concen: 44.9911 ug/L
RT: 1.368 min Scan# 400
Delta R.T. 0.000 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 51 Resp: 132714

Ion	Ratio	Lower	Upper
51	100		
67	18.6	0.0	37.0

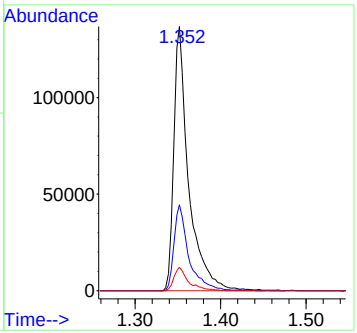


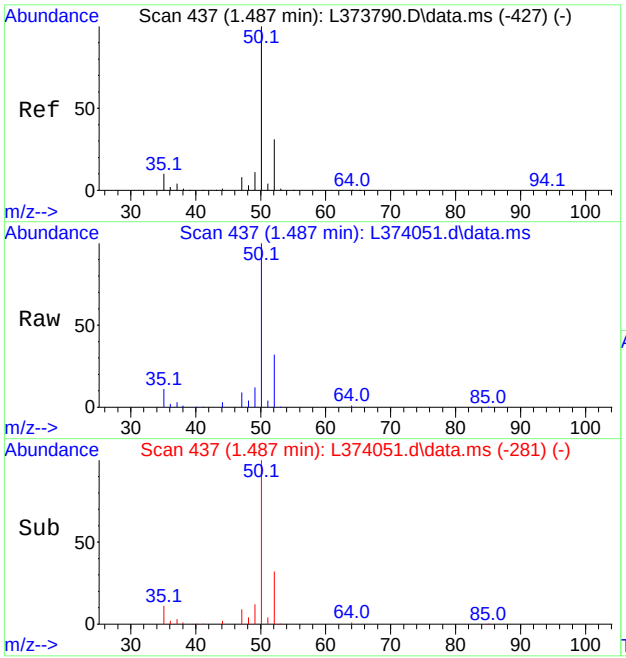


#7
dichlorodifluoromethane
Concen: 55.5555 ug/L
RT: 1.352 min Scan# 395
Delta R.T. -0.000 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 85 Resp: 165567

Ion	Ratio	Lower	Upper
85	100		
87	32.5	2.8	62.8
101	8.9	0.0	38.9

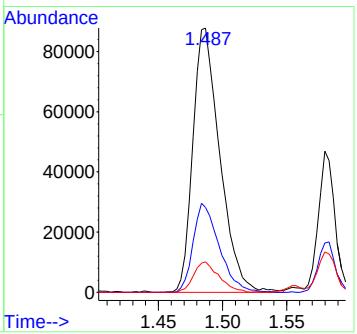


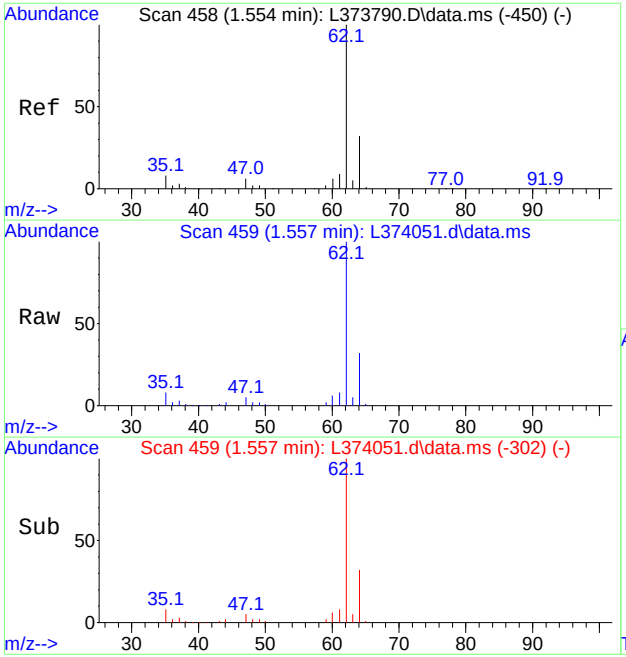


#8
chloromethane
Concen: 45.0593 ug/L
RT: 1.487 min Scan# 437
Delta R.T. -0.000 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 50 Resp: 128883

Ion	Ratio	Lower	Upper
50	100		
52	32.1	1.5	61.5
49	11.6	0.0	41.1

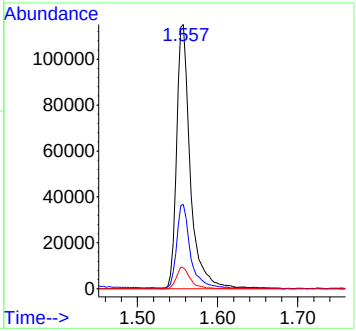


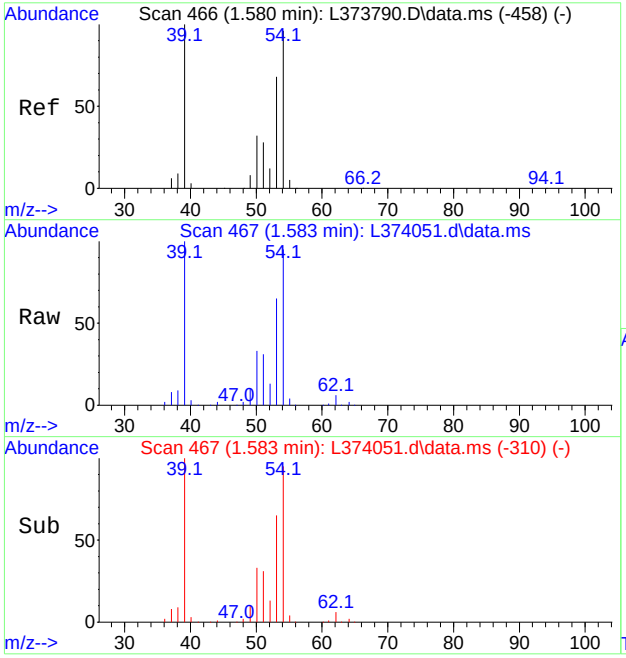


#9
vinyl chloride
Concen: 48.3845 ug/L
RT: 1.557 min Scan# 459
Delta R.T. 0.003 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 62 Resp: 136956

Ion	Ratio	Lower	Upper
62	100		
64	31.9	2.2	62.2
61	8.0	0.0	38.5

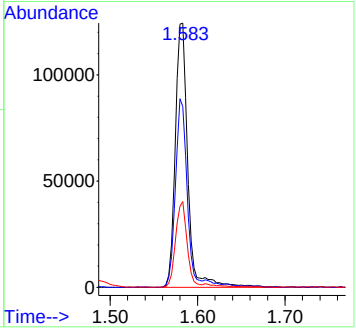


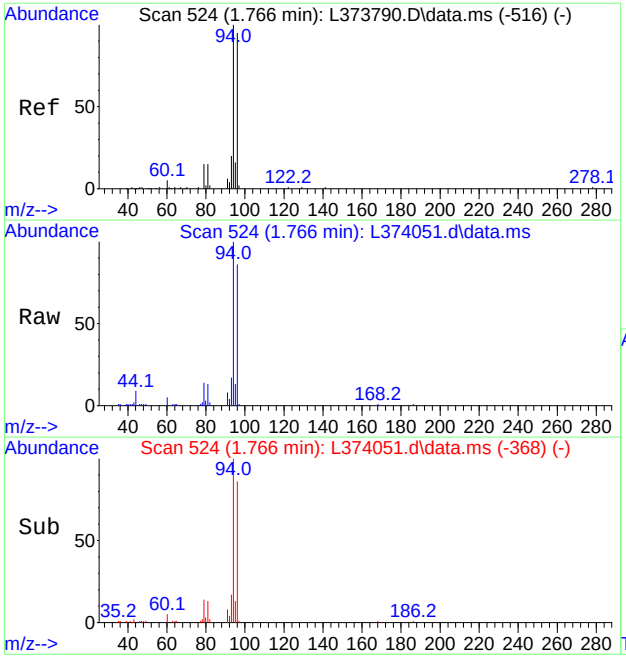


#10
1,3-butadiene
Concen: 47.5542 ug/L
RT: 1.583 min Scan# 467
Delta R.T. 0.003 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 54 Resp: 124531

Ion	Ratio	Lower	Upper
54	100		
53	68.4	40.7	100.7
51	32.4	0.0	59.5

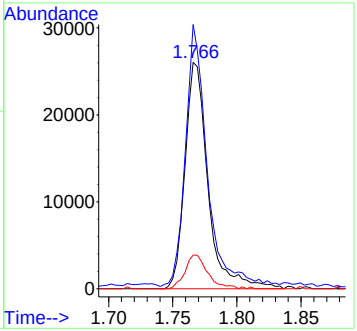


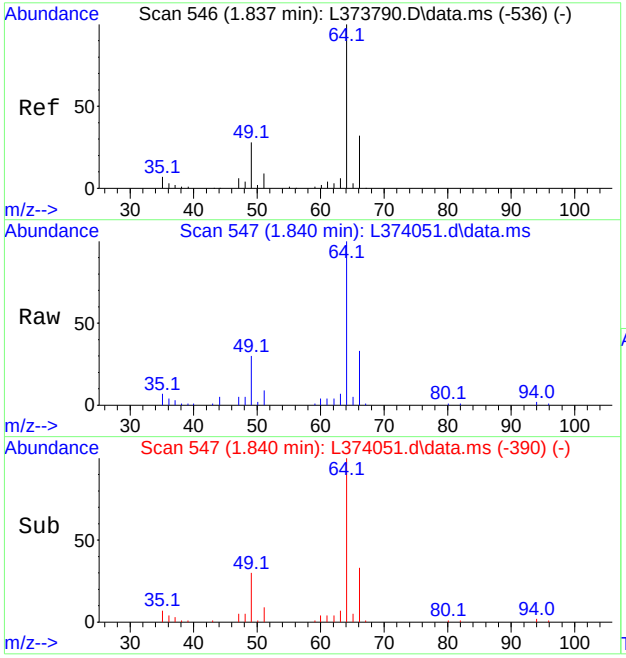


#11
bromomethane
Concen: 46.3801 ug/L
RT: 1.766 min Scan# 524
Delta R.T. -0.000 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 96 Resp: 32645

Ion	Ratio	Lower	Upper
96	100		
94	115.6	76.7	136.7
95	14.8	0.0	46.3

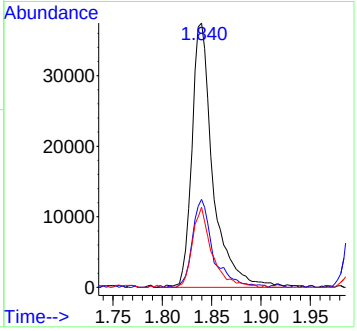


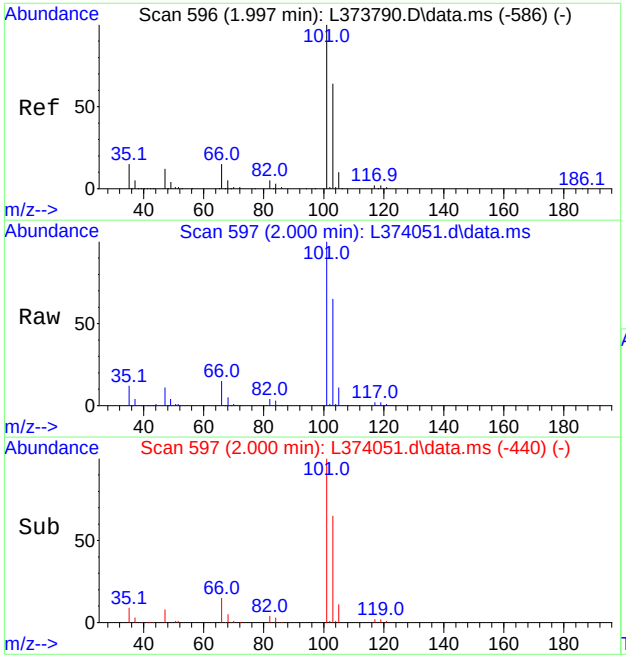


#12
chloroethane
Concen: 46.8493 ug/L
RT: 1.840 min Scan# 547
Delta R.T. 0.003 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 64 Resp: 55629

Ion	Ratio	Lower	Upper
64	100		
66	32.7	1.8	61.8
49	30.4	0.0	57.7

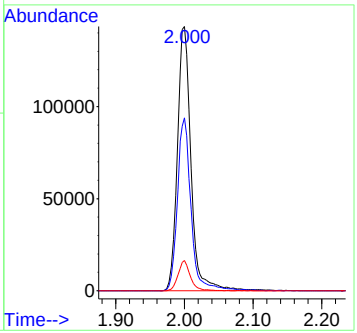


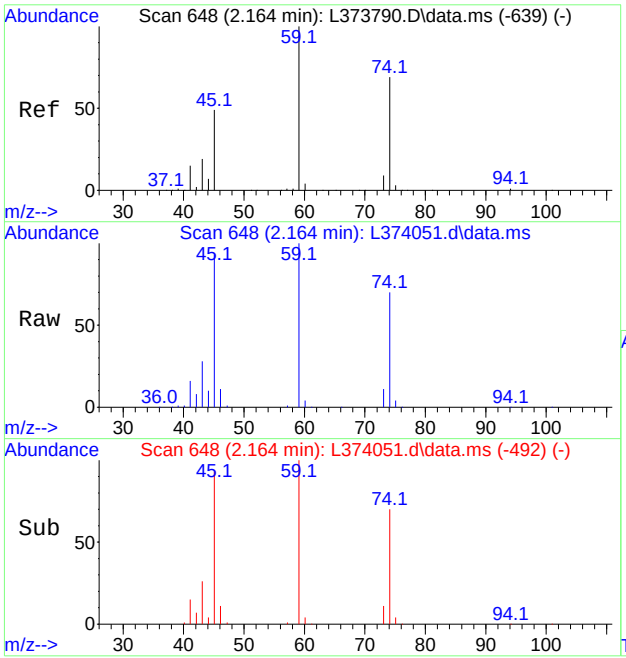


#13
trichlorofluoromethane
Concen: 55.0965 ug/L
RT: 2.000 min Scan# 597
Delta R.T. 0.003 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion:101 Resp: 198306

Ion	Ratio	Lower	Upper
101	100		
103	65.4	33.8	93.8
105	11.4	0.0	40.0

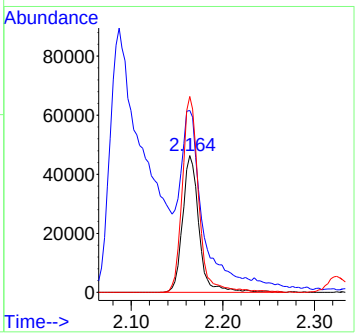


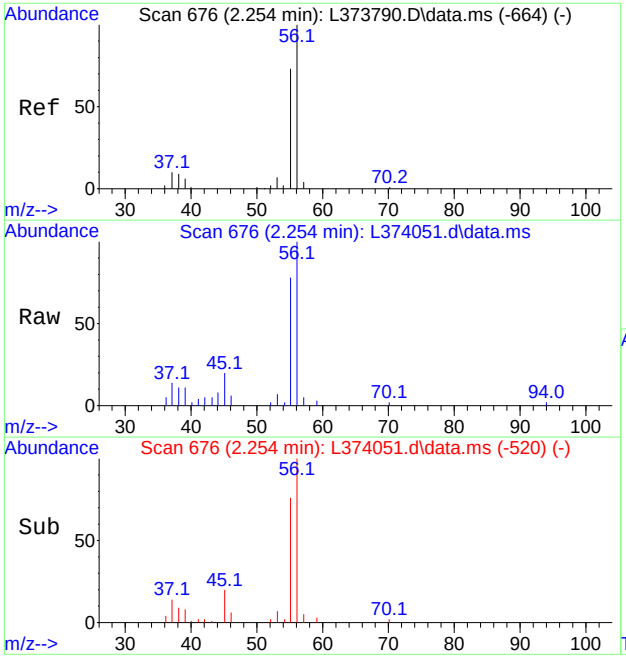


#14
ethyl ether
Concen: 48.1984 ug/L
RT: 2.164 min Scan# 648
Delta R.T. -0.000 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 74 Resp: 57779

Ion	Ratio	Lower	Upper
74	100		
45	128.7	102.0	162.0
59	143.2	114.2	174.2

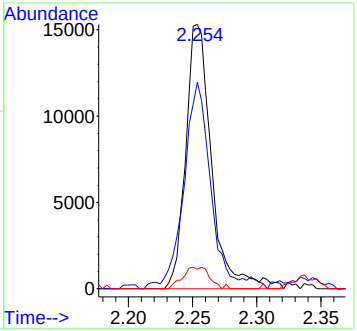


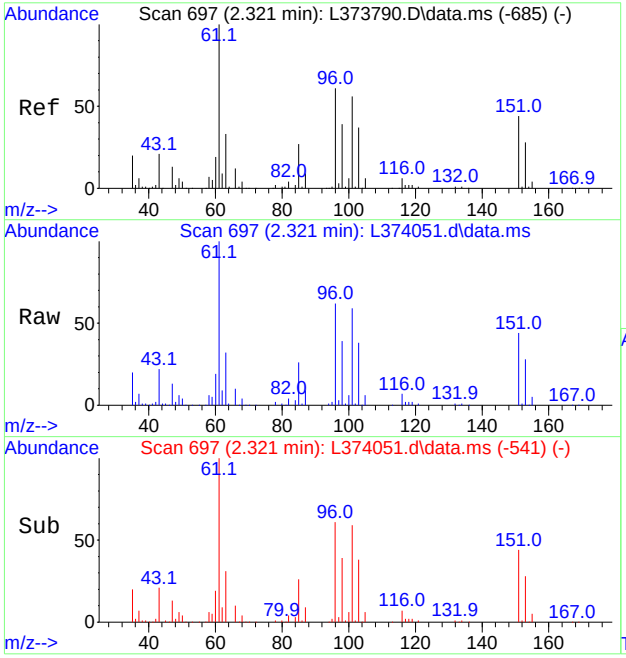


#15
acrolein
Concen: 41.9622 ug/L
RT: 2.254 min Scan# 676
Delta R.T. -0.000 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 56 Resp: 21554

Ion	Ratio	Lower	Upper
56	100		
55	76.3	42.9	102.9
53	7.4	0.0	38.0

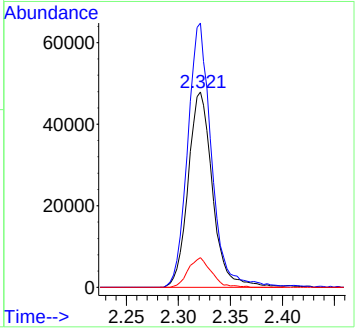


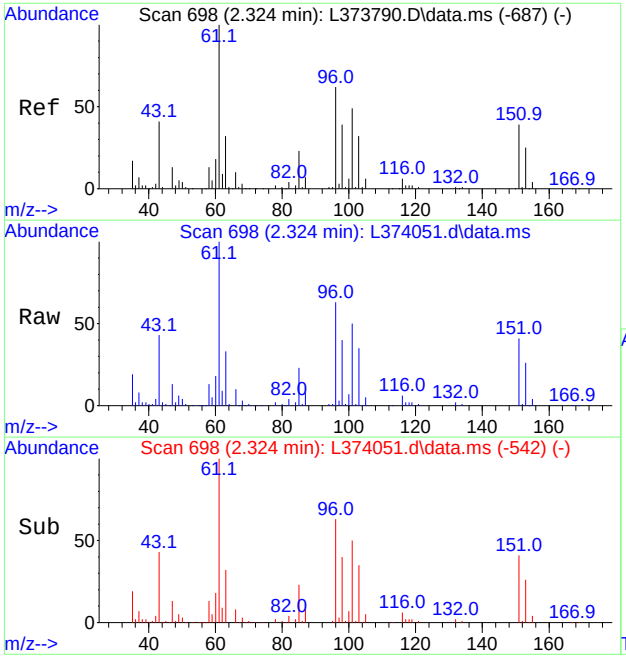


#16
freon 113
Concen: 51.7114 ug/L
RT: 2.321 min Scan# 697
Delta R.T. 0.000 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion:151 Resp: 78427

Ion	Ratio	Lower	Upper
151	100		
101	135.3	107.4	147.4
116	15.2	0.0	33.9

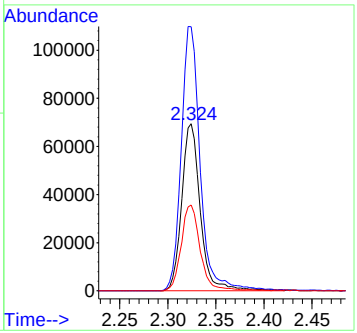


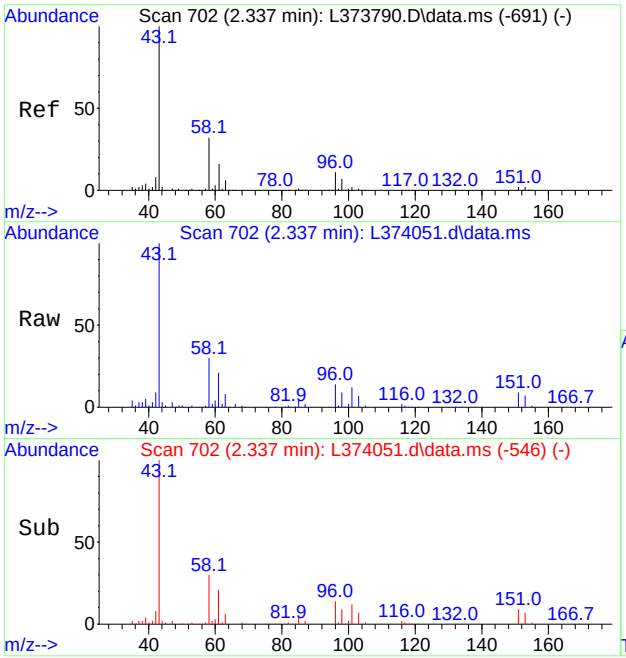


#17
1,1-dichloroethene
Concen: 49.4665 ug/L
RT: 2.324 min Scan# 698
Delta R.T. 0.000 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 96 Resp: 93759

Ion	Ratio	Lower	Upper
96	100		
61	158.1	131.4	191.4
63	51.4	22.3	82.3

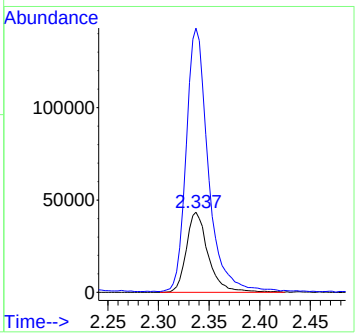


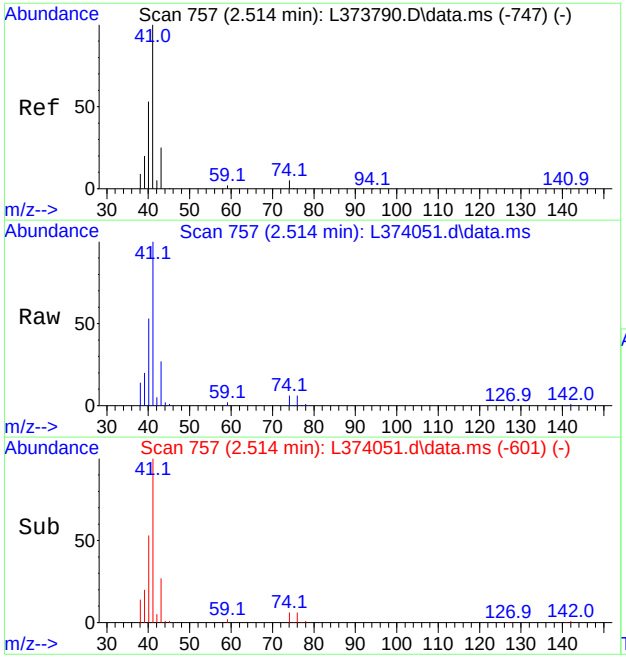


#18
acetone
Concen: 176.2198 ug/L
RT: 2.337 min Scan# 702
Delta R.T. 0.000 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 58 Resp: 65728

Ion	Ratio	Lower	Upper
58	100		
43	328.3	286.5	346.5

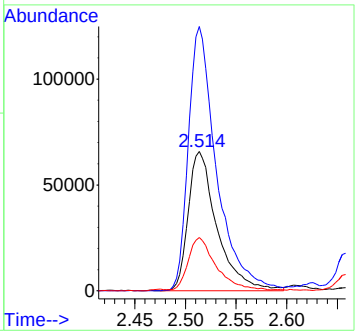


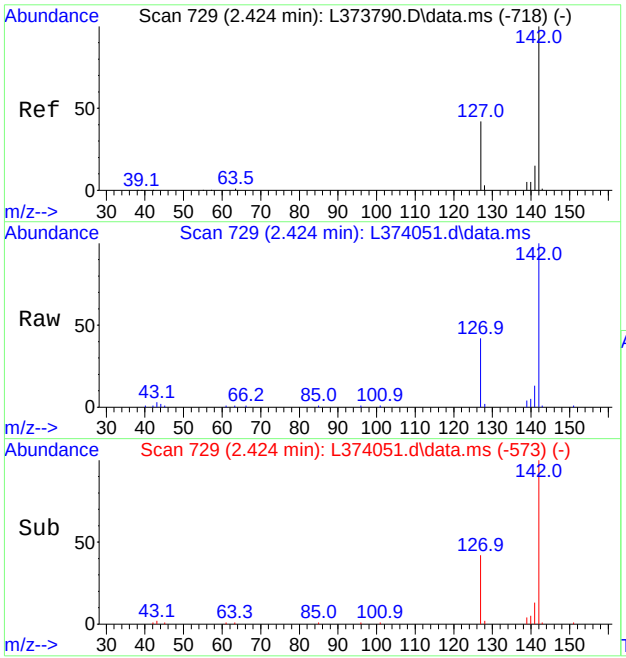


#19
acetonitrile
Concen: 446.5594 ug/L
RT: 2.514 min Scan# 757
Delta R.T. -0.000 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 40 Resp: 130517

Ion	Ratio	Lower	Upper
40	100		
41	189.8	158.5	218.5
39	37.7	8.2	68.2

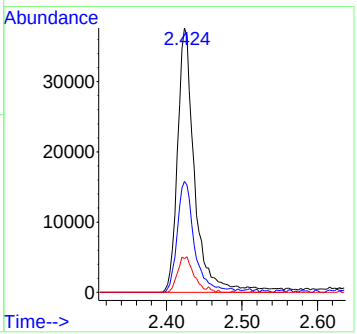


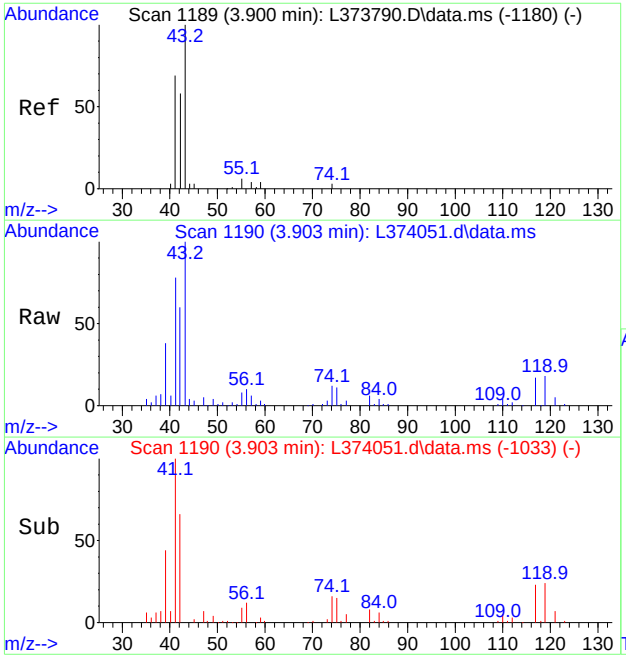


#20
iodomethane
Concen: 40.2297 ug/L
RT: 2.424 min Scan# 729
Delta R.T. -0.000 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion:142 Resp: 59891

Ion	Ratio	Lower	Upper
142	100		
127	42.0	12.2	72.2
141	12.7	0.0	44.6

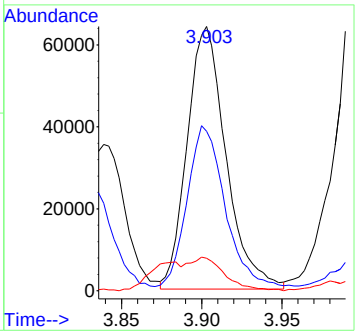


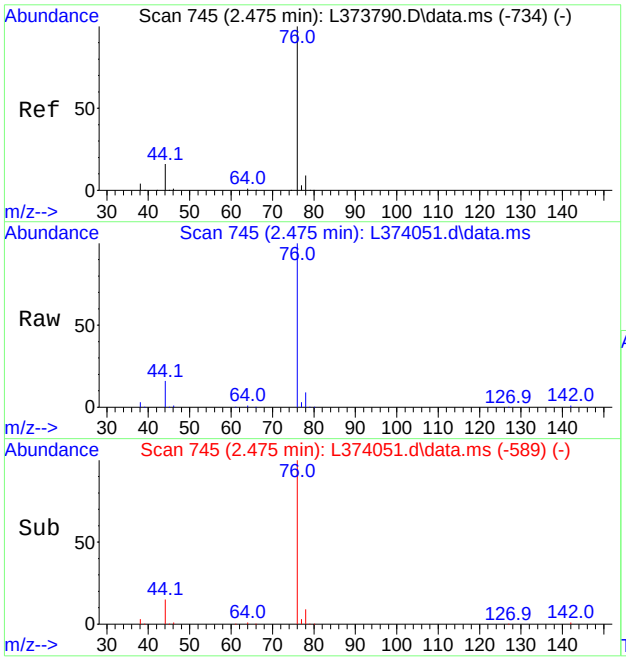


#21
iso-butyl alcohol
Concen: 427.0220 ug/L
RT: 3.903 min Scan# 1190
Delta R.T. 0.003 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 43 Resp: 108292

Ion	Ratio	Lower	Upper
43	100		
42	60.5	28.3	88.3
74	12.8	0.0	40.9

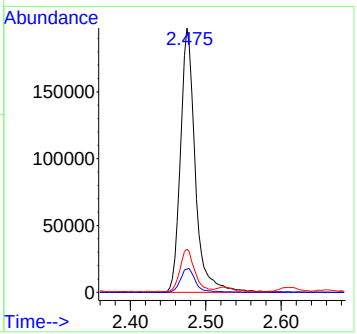


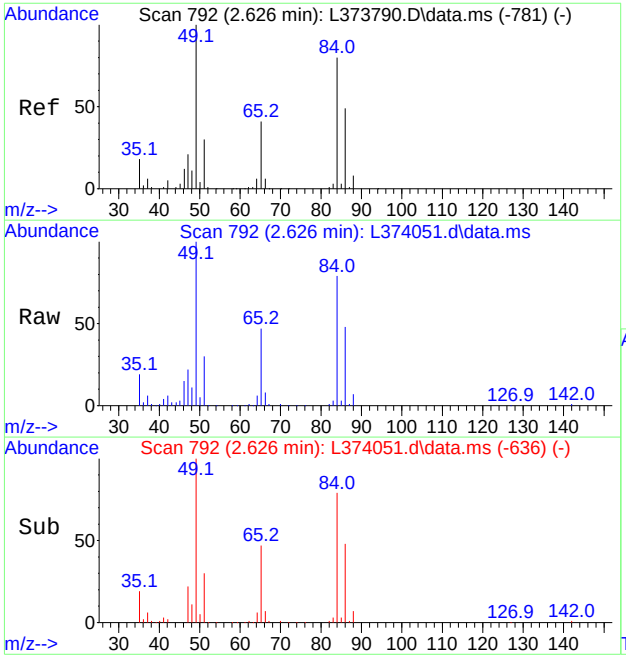


#22
carbon disulfide
Concen: 45.3918 ug/L
RT: 2.475 min Scan# 745
Delta R.T. 0.000 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 76 Resp: 270616

Ion	Ratio	Lower	Upper
76	100		
78	8.8	0.0	38.9
44	16.0	0.0	46.1

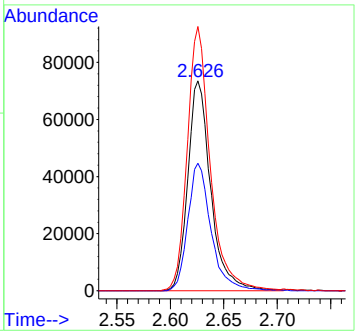


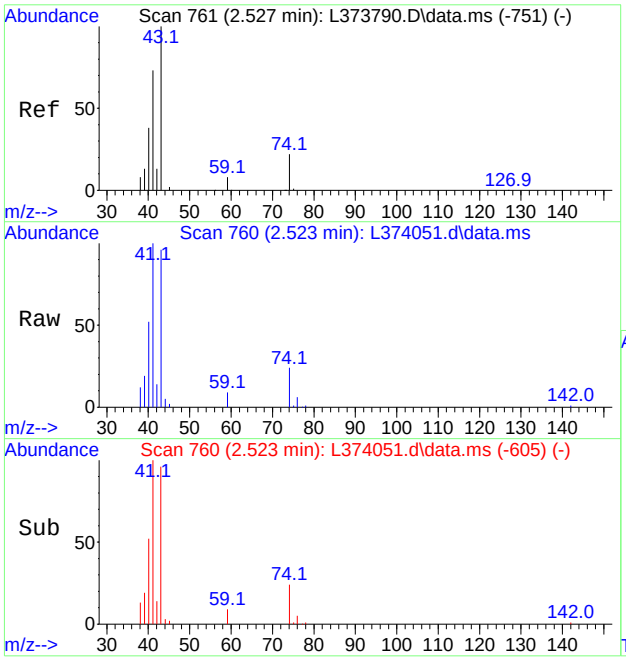


#23
methylene chloride
Concen: 46.9119 ug/L
RT: 2.626 min Scan# 792
Delta R.T. -0.000 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 84 Resp: 109738

Ion	Ratio	Lower	Upper
84	100		
86	60.8	31.2	91.2
49	126.0	95.6	155.6

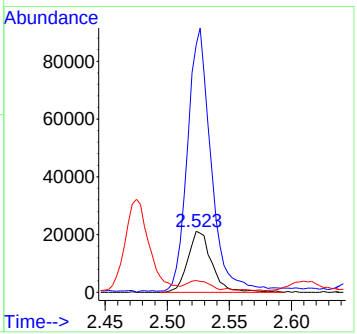


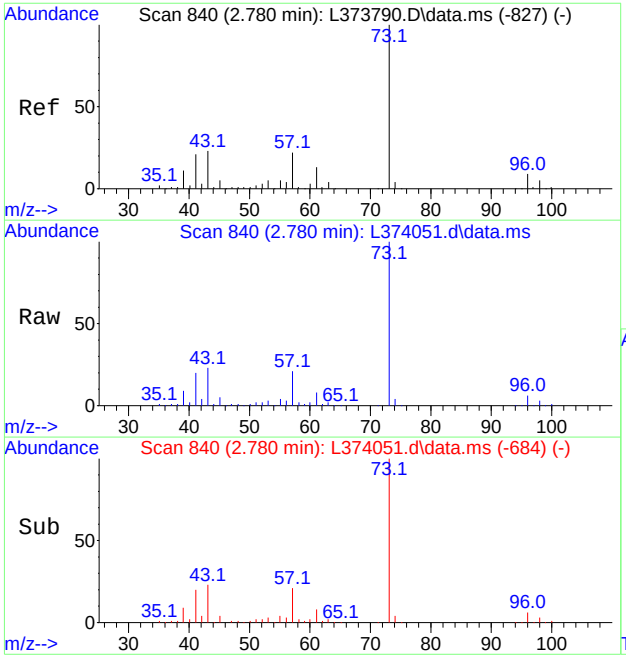


#24
methyl acetate
Concen: 48.4450 ug/L
RT: 2.523 min Scan# 760
Delta R.T. -0.004 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 74 Resp: 28545

Ion	Ratio	Lower	Upper
74	100		
43	401.6	417.7	477.7#
44	11.0	0.0	39.0

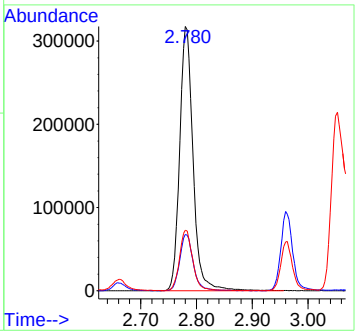


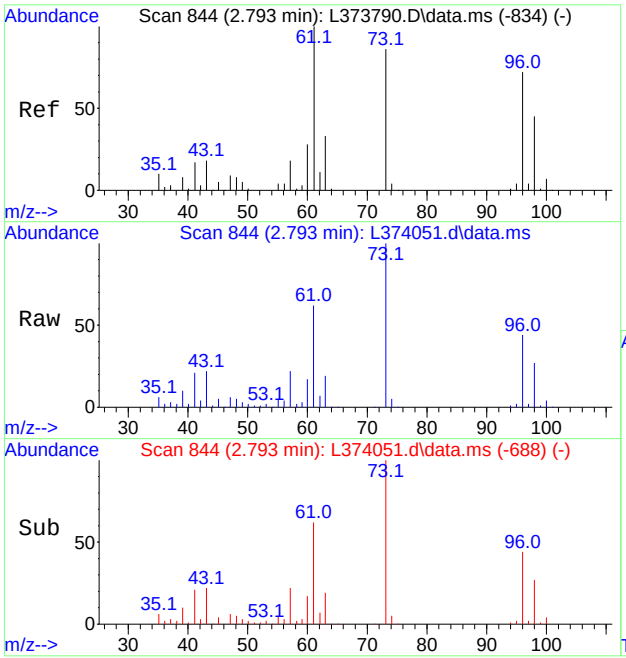


#25
methyl tert butyl ether
Concen: 84.5379 ug/L
RT: 2.780 min Scan# 840
Delta R.T. -0.000 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 73 Resp: 530074

Ion	Ratio	Lower	Upper
73	100		
57	21.4	0.0	52.4
43	22.8	0.0	52.7

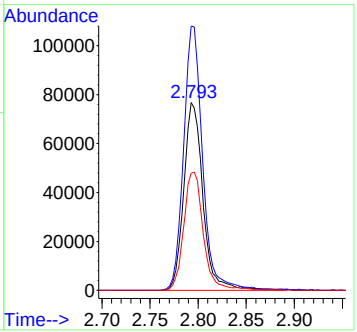


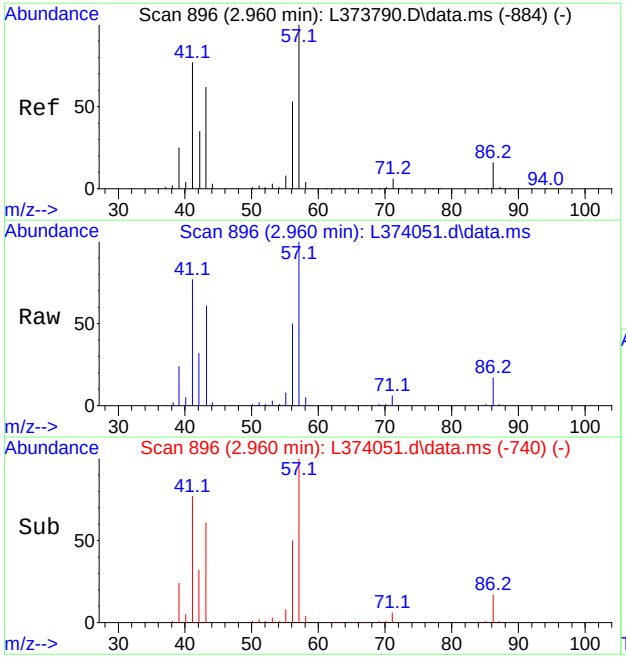


#26
trans-1,2-dichloroethene
Concen: 49.6751 ug/L
RT: 2.793 min Scan# 844
Delta R.T. -0.000 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 96 Resp: 107057

Ion	Ratio	Lower	Upper
96	100		
61	140.9	109.1	169.1
98	62.4	32.0	92.0

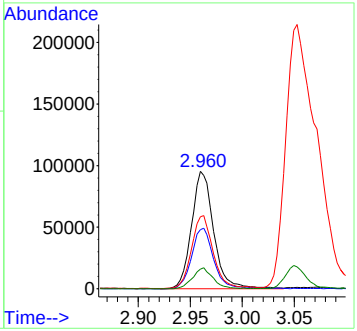


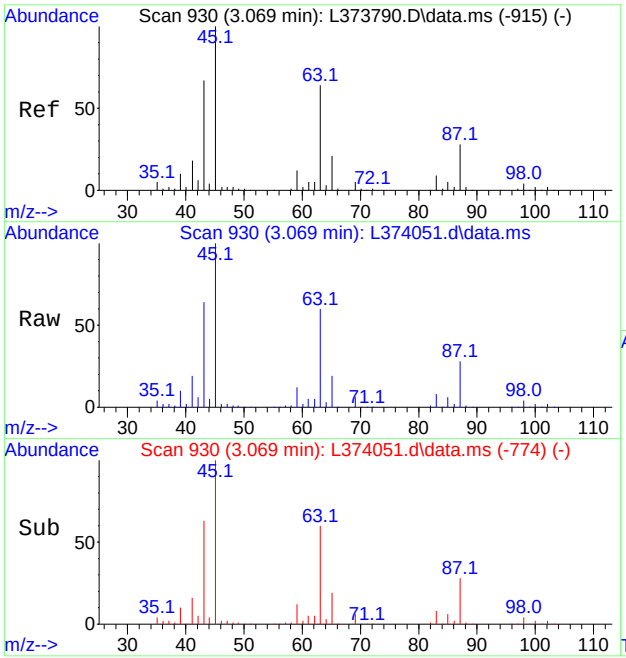


#27
hexane
Concen: 53.2317 ug/L
RT: 2.960 min Scan# 896
Delta R.T. -0.000 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 57 Resp: 141715

Ion	Ratio	Lower	Upper
57	100		
56	50.4	32.9	72.9
43	61.0	41.9	81.9
86	16.7	0.0	36.3

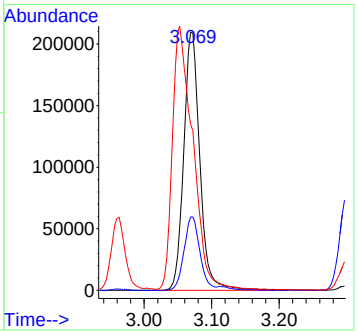


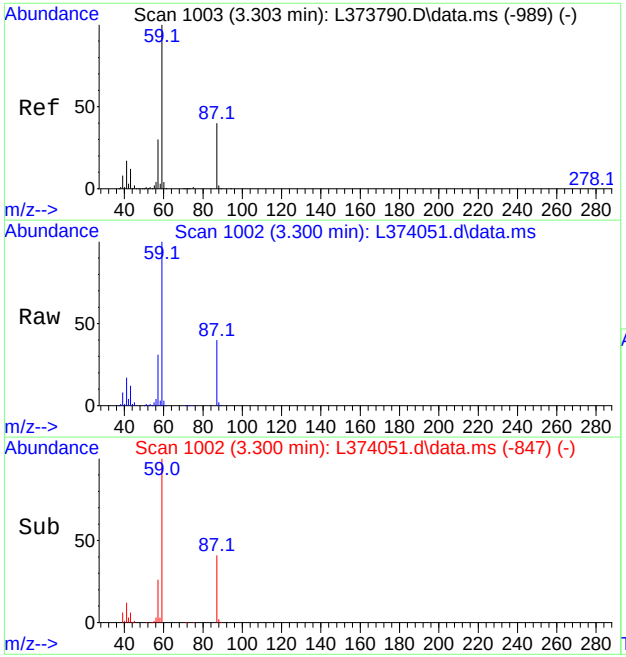


#28
di-isopropyl ether
Concen: 53.2871 ug/L
RT: 3.069 min Scan# 930
Delta R.T. -0.000 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 45 Resp: 349746

Ion	Ratio	Lower	Upper
45	100		
87	28.4	0.0	57.5
43	64.0	37.5	97.5

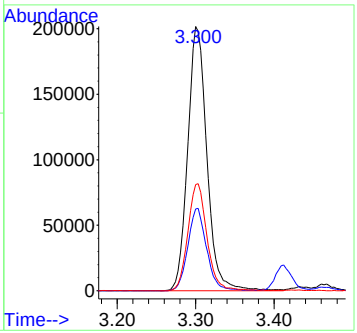


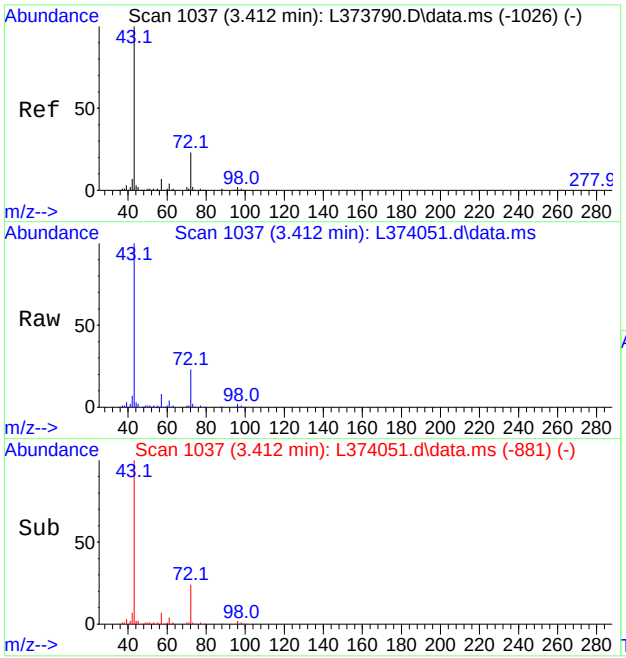


#29
ethyl tert-butyl ether
Concen: 50.9521 ug/L
RT: 3.300 min Scan# 1002
Delta R.T. -0.003 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 59 Resp: 343498

Ion	Ratio	Lower	Upper
59	100		
57	31.0	0.3	60.3
87	40.2	9.6	69.6

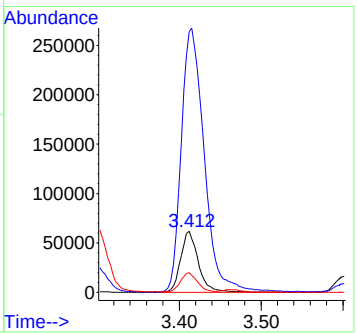


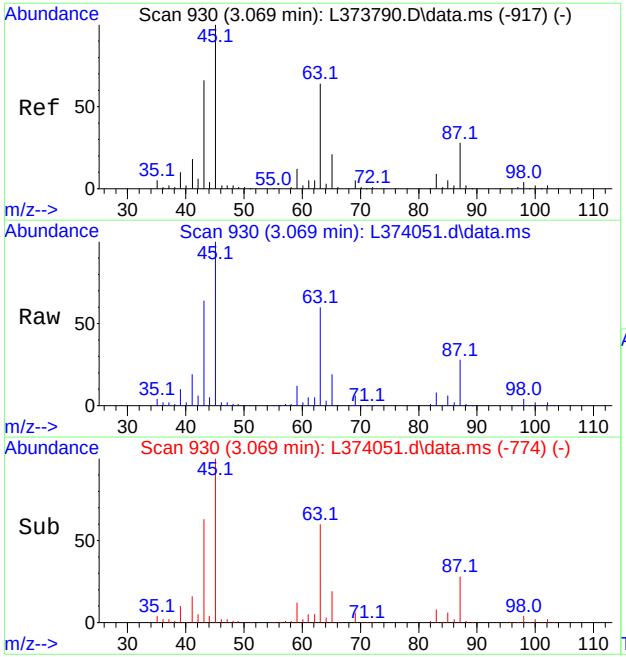


#30
2-butanone
Concen: 199.5404 ug/L
RT: 3.412 min Scan# 1037
Delta R.T. 0.000 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 72 Resp: 93623

Ion	Ratio	Lower	Upper
72	100		
43	425.0	411.9	471.9
57	32.0	2.4	62.4

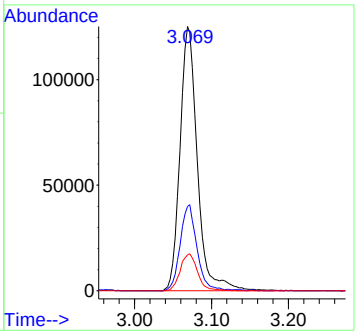


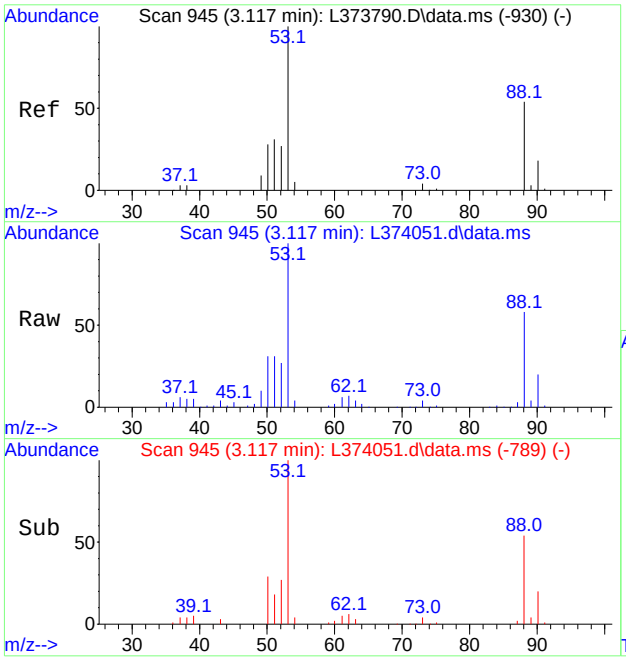


#31
1,1-dichloroethane
Concen: 48.2640 ug/L
RT: 3.069 min Scan# 930
Delta R.T. -0.000 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 63 Resp: 196483

Ion	Ratio	Lower	Upper
63	100		
65	31.9	2.5	62.5
83	13.6	0.0	43.5

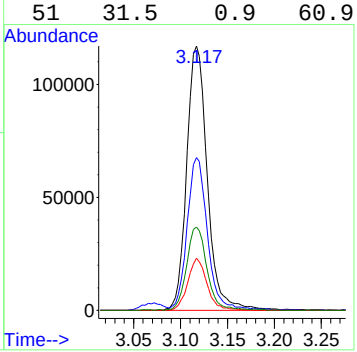


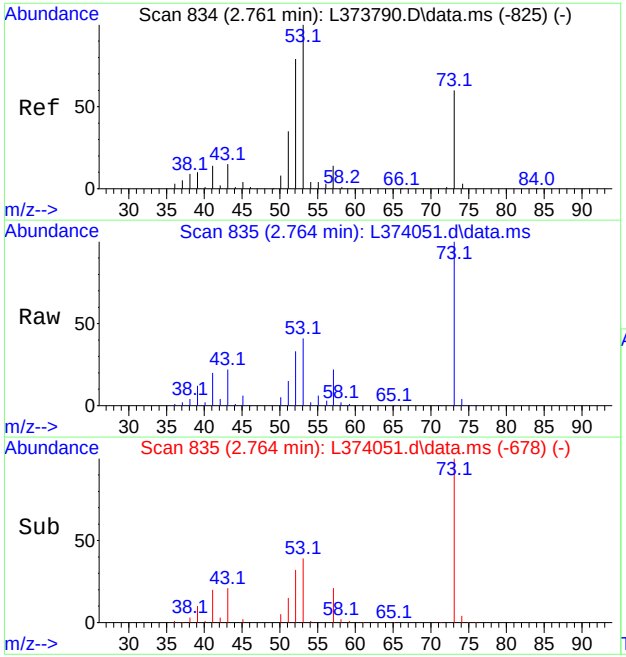


#32
chloroprene
Concen: 51.2698 ug/L
RT: 3.117 min Scan# 945
Delta R.T. -0.000 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 53 Resp: 179571

Ion	Ratio	Lower	Upper
53	100		
88	57.5	26.2	86.2
90	19.7	0.0	47.9
51	31.5	0.9	60.9

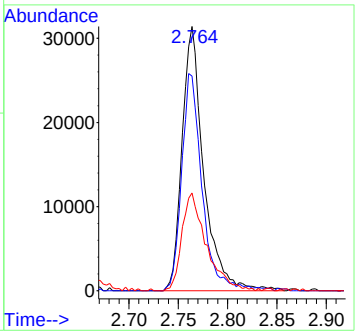


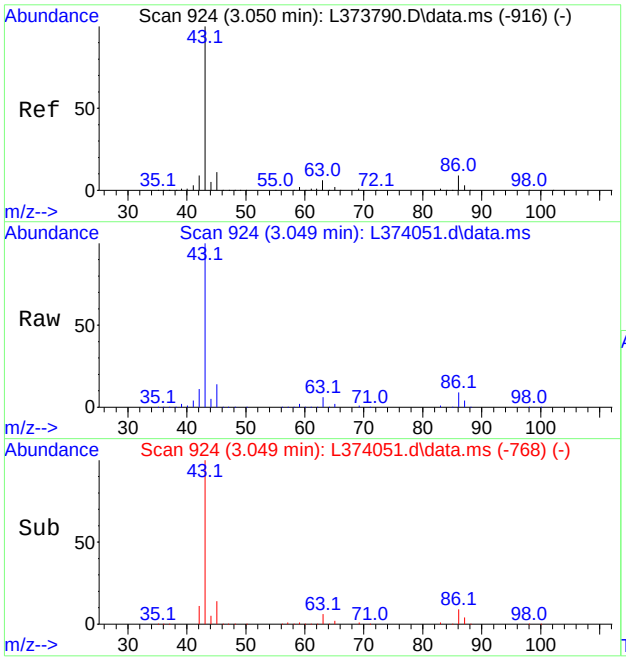


#33
acrylonitrile
Concen: 42.8105 ug/L
RT: 2.764 min Scan# 835
Delta R.T. 0.003 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 53 Resp: 48101

Ion	Ratio	Lower	Upper
53	100		
52	81.2	48.8	108.8
51	37.0	4.6	64.6

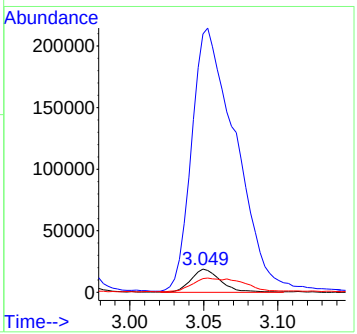


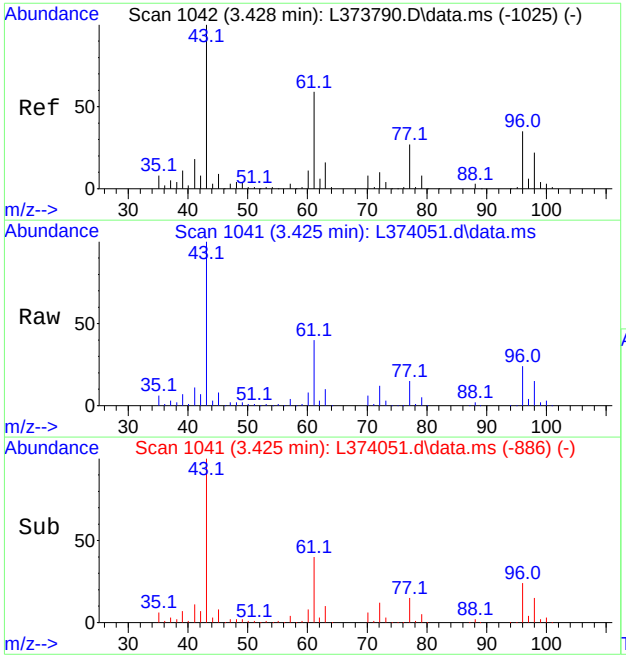


#34
vinyl acetate
Concen: 50.3922 ug/L
RT: 3.049 min Scan# 924
Delta R.T. -0.001 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 86 Resp: 26844

Ion	Ratio	Lower	Upper
86	100		
43	1121.4	1076.3	1136.3
44	56.9	23.6	83.6

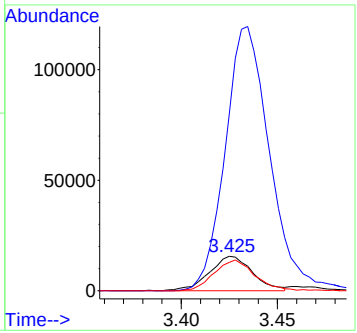


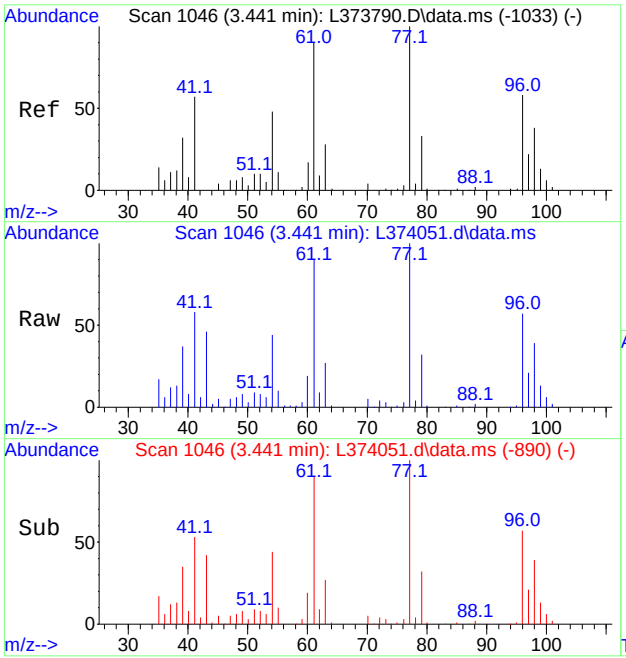


#35
ethyl acetate
Concen: 42.0399 ug/L
RT: 3.425 min Scan# 1041
Delta R.T. -0.003 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 45 Resp: 24402

Ion	Ratio	Lower	Upper
45	100		
61	509.9	598.6	658.6#
70	82.1	53.6	113.6

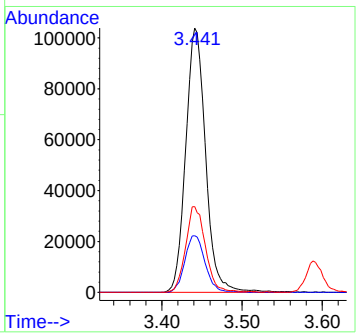


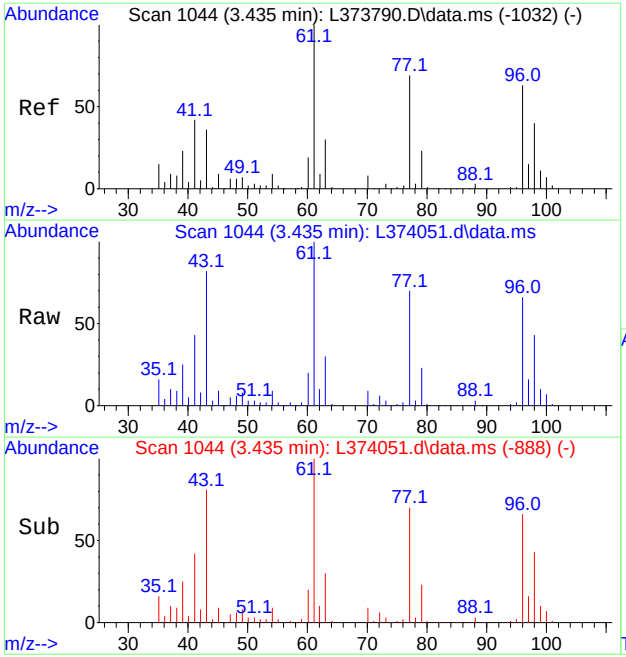


#36
2,2-dichloropropane
Concen: 48.9579 ug/L
RT: 3.441 min Scan# 1046
Delta R.T. -0.000 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 77 Resp: 179570

Ion	Ratio	Lower	Upper
77	100		
97	21.5	0.0	52.3
79	32.4	3.0	63.0

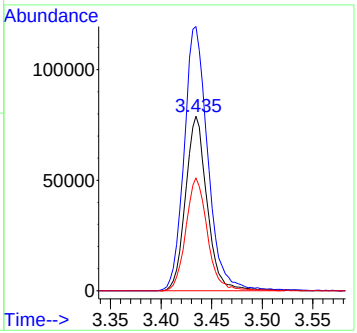


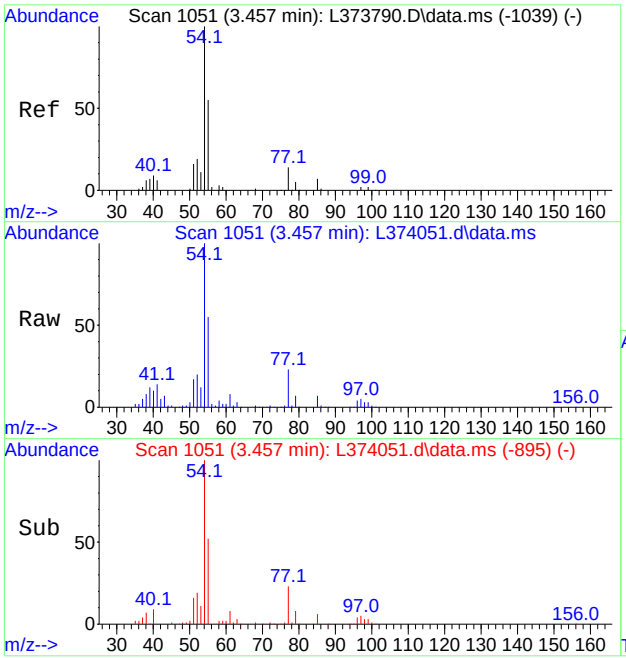


#37
cis-1,2-dichloroethene
Concen: 49.5630 ug/L
RT: 3.435 min Scan# 1044
Delta R.T. -0.000 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 96 Resp: 117364

Ion	Ratio	Lower	Upper
96	100		
61	151.1	128.7	188.7
98	64.7	34.1	94.1

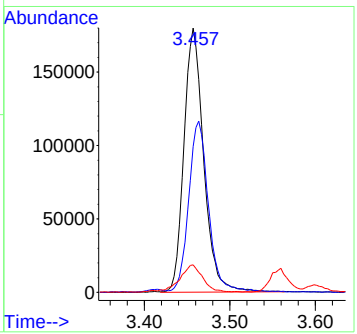


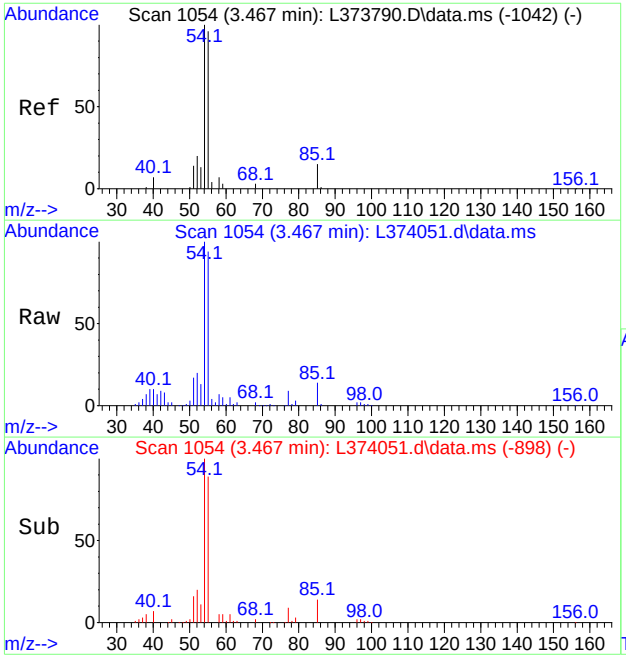


#38
propionitrile
Concen: 452.9375 ug/L
RT: 3.457 min Scan# 1051
Delta R.T. 0.000 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 54 Resp: 289527

Ion	Ratio	Lower	Upper
54	100		
55	54.8	25.4	85.4
40	9.5	0.0	39.0

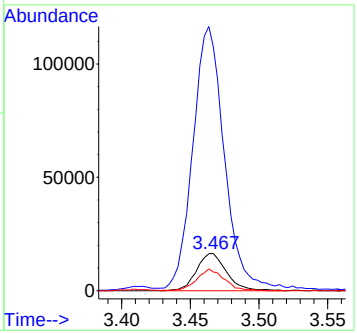


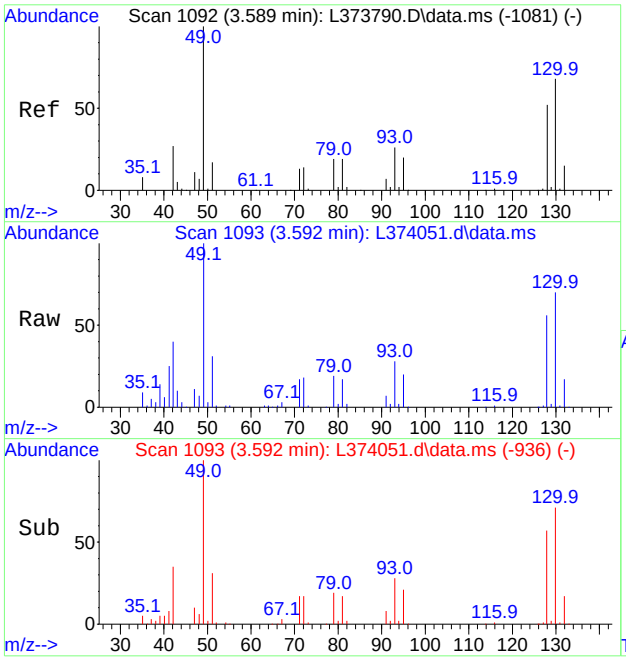


#39
methyl acrylate
Concen: 50.2147 ug/L
RT: 3.467 min Scan# 1054
Delta R.T. -0.000 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 85 Resp: 25094

Ion	Ratio	Lower	Upper
85	100		
55	647.1	639.4	679.4
58	50.2	29.8	69.8

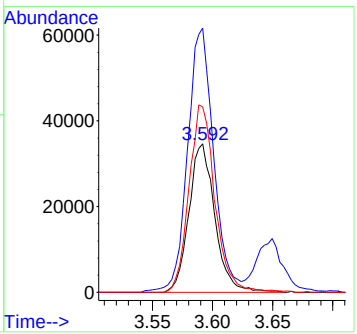


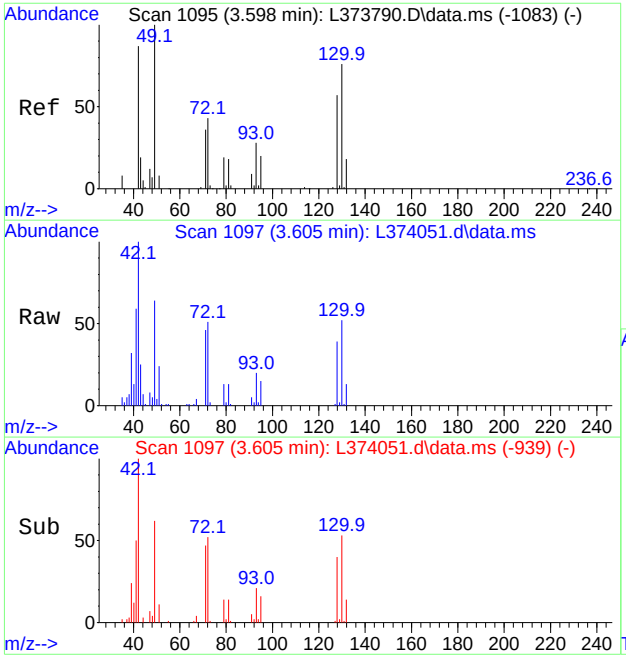


#40
bromochloromethane
Concen: 50.0635 ug/L
RT: 3.592 min Scan# 1093
Delta R.T. 0.003 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion:128 Resp: 52206

Ion	Ratio	Lower	Upper
128	100		
49	175.3	163.3	223.3
130	124.8	100.3	160.3

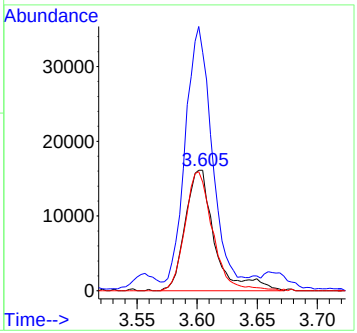


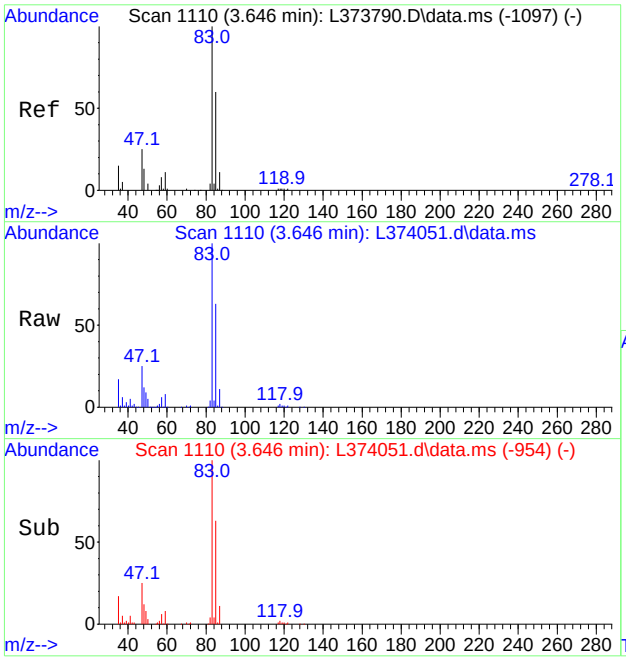


#41
tetrahydrofuran
Concen: 47.1058 ug/L
RT: 3.605 min Scan# 1097
Delta R.T. 0.007 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 72 Resp: 27542

Ion	Ratio	Lower	Upper
72	100		
42	190.4	183.3	243.3
71	90.2	53.5	113.5

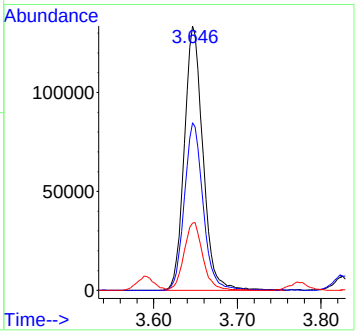


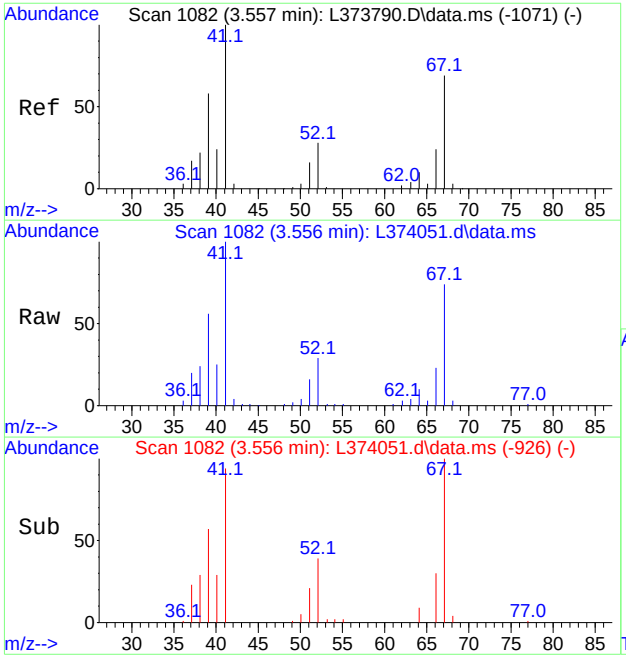


#42
chloroform
Concen: 45.9056 ug/L
RT: 3.646 min Scan# 1110
Delta R.T. 0.000 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 83 Resp: 207387

Ion	Ratio	Lower	Upper
83	100		
85	63.4	29.7	89.7
47	24.6	0.0	54.6

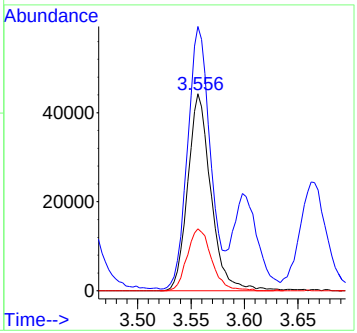


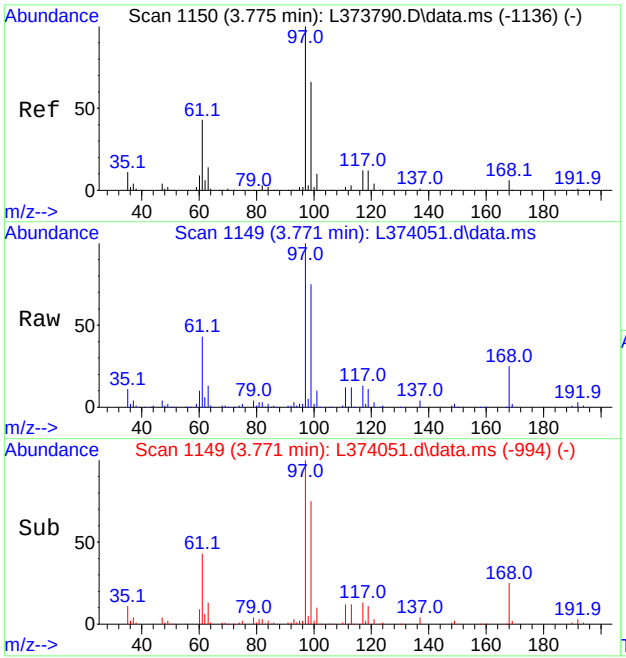


#44
methacrylonitrile
Concen: 48.9023 ug/L
RT: 3.556 min Scan# 1082
Delta R.T. -0.001 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 67 Resp: 66666

Ion	Ratio	Lower	Upper
67	100		
41	133.4	115.3	175.3
66	31.4	4.3	64.3

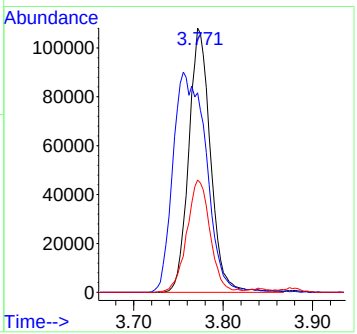


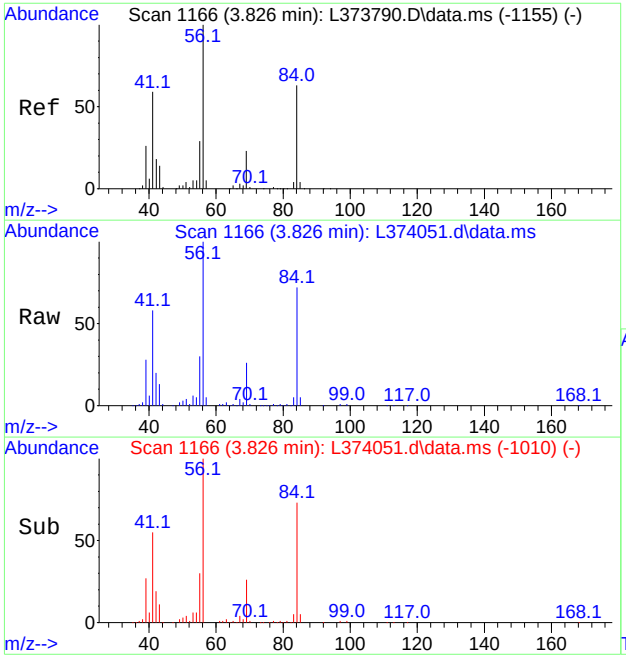


#45
1,1,1-trichloroethane
Concen: 51.0576 ug/L
RT: 3.771 min Scan# 1149
Delta R.T. -0.004 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 97 Resp: 182644

Ion	Ratio	Lower	Upper
97	100		
99	75.1	41.0	101.0
61	42.2	12.9	72.9

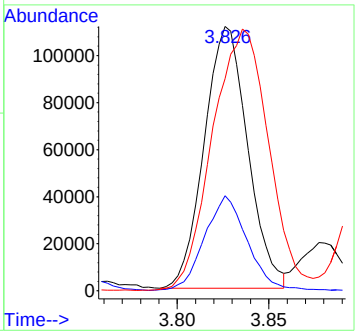


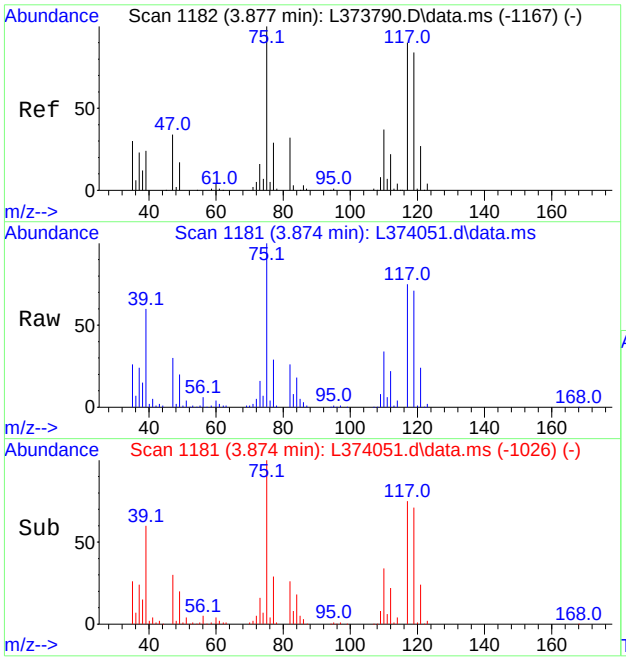


#46
cyclohexane
Concen: 62.0551 ug/L
RT: 3.826 min Scan# 1166
Delta R.T. 0.000 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 84 Resp: 184460

Ion	Ratio	Lower	Upper
84	100		
69	35.9	16.2	56.2
41	80.5	73.6	113.6

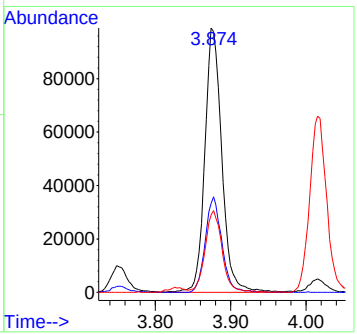


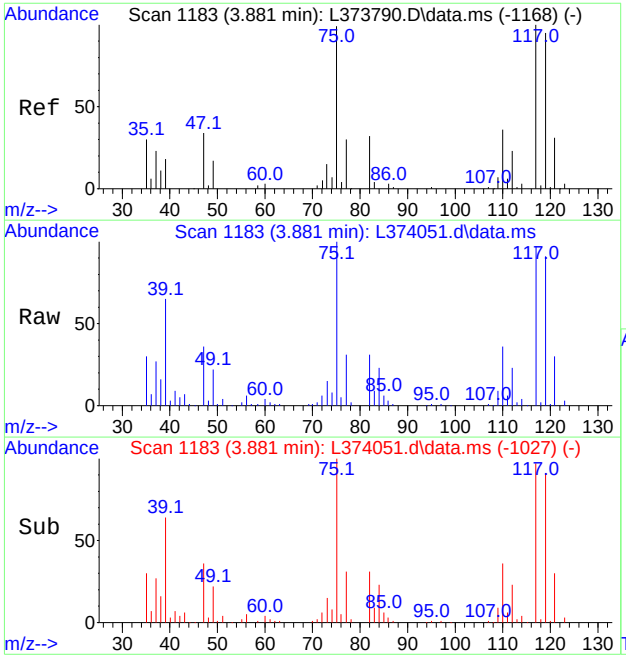


#47
1,1-dichloropropene
Concen: 53.7152 ug/L
RT: 3.874 min Scan# 1181
Delta R.T. -0.003 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 75 Resp: 155828

Ion	Ratio	Lower	Upper
75	100		
110	33.6	17.0	57.0
77	29.3	10.2	50.2

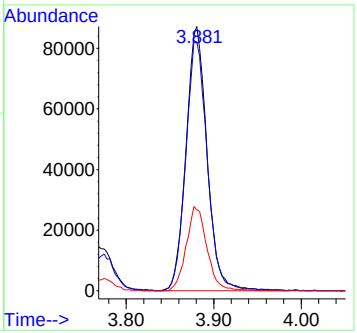


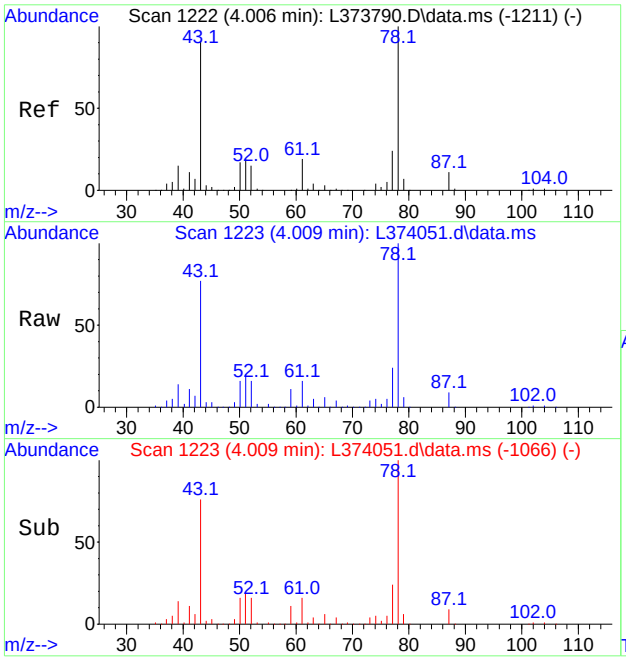


#48
carbon tetrachloride
Concen: 50.2457 ug/L
RT: 3.881 min Scan# 1183
Delta R.T. -0.000 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion:117 Resp: 146513

Ion	Ratio	Lower	Upper
117	100		
119	94.2	74.4	114.4
121	30.7	10.8	50.8

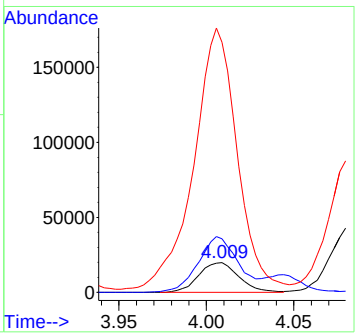


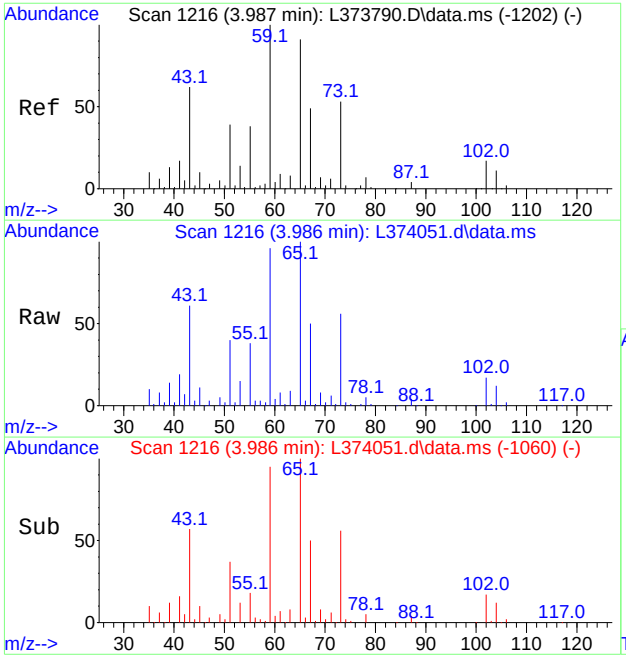


#49
isopropyl acetate
Concen: 49.2231 ug/L
RT: 4.009 min Scan# 1223
Delta R.T. 0.003 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 87 Resp: 31854

Ion	Ratio	Lower	Upper
87	100		
61	176.6	152.1	192.1
43	808.6	844.1	904.1#

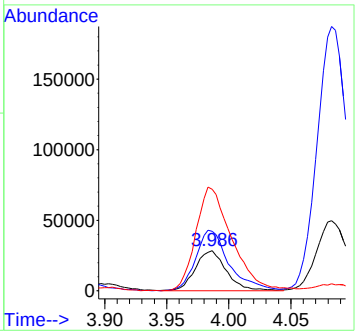


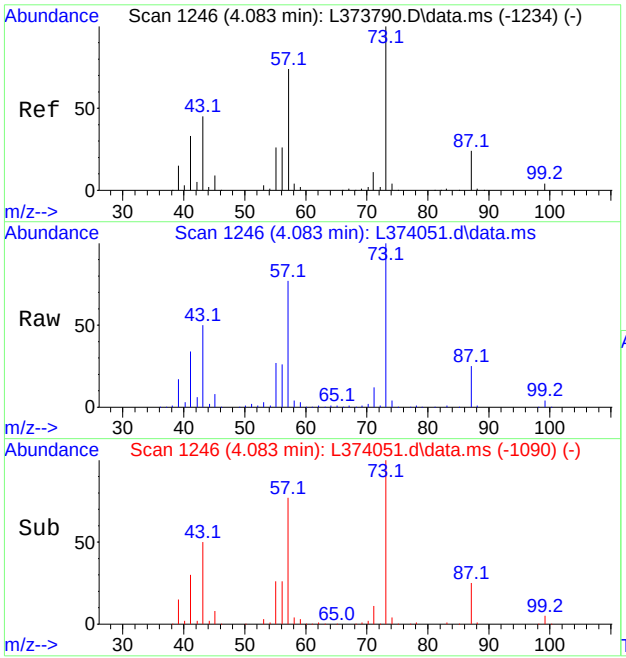


#50
tert amyl alcohol
Concen: 197.2521 ug/L
RT: 3.986 min Scan# 1216
Delta R.T. -0.001 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 55 Resp: 49972

Ion	Ratio	Lower	Upper
55	100		
73	150.0	119.2	159.2
59	256.7	242.0	282.0

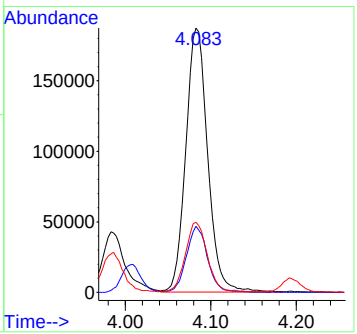


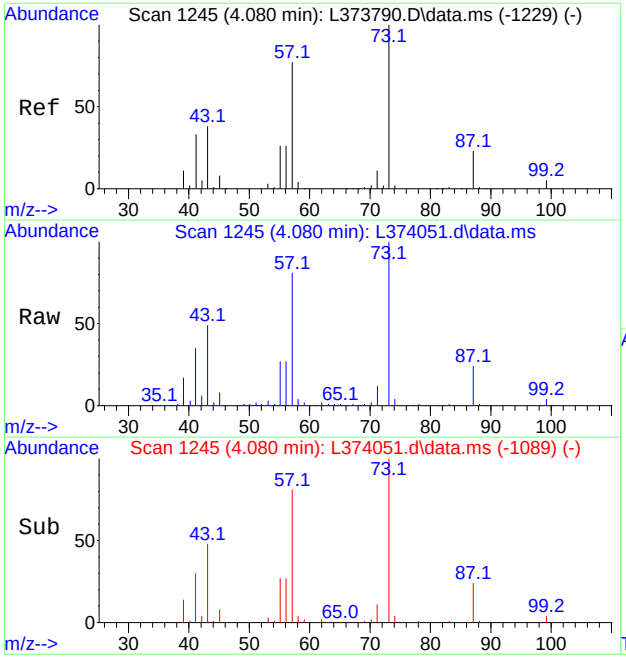


#53
tert-amyl methyl ether
Concen: 51.2118 ug/L
RT: 4.083 min Scan# 1246
Delta R.T. -0.000 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 73 Resp: 333865

Ion	Ratio	Lower	Upper
73	100		
87	25.0	4.6	44.6
55	26.2	5.7	45.7

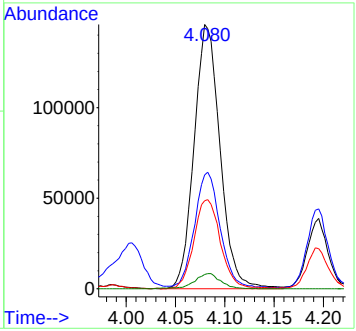


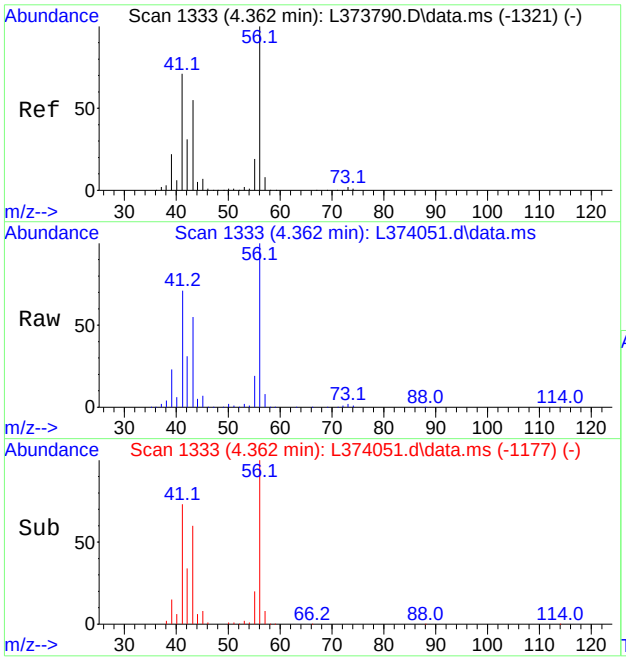


#54
2,2,4-trimethylpentane
Concen: 55.2413 ug/L
RT: 4.080 min Scan# 1245
Delta R.T. -0.000 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 57 Resp: 268027

Ion	Ratio	Lower	Upper
57	100		
41	42.7	25.1	65.1
56	33.3	13.8	53.8
99	5.4	0.0	25.9

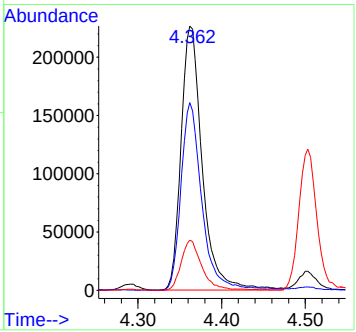


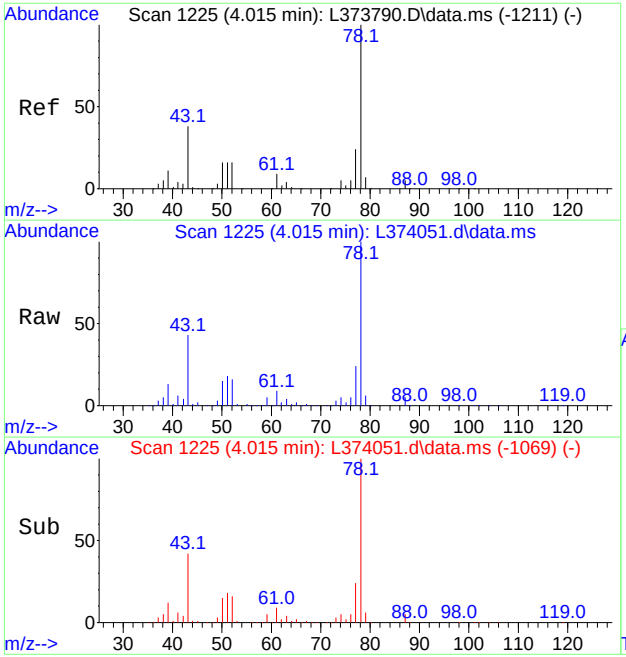


#55
n-butyl alcohol
Concen: 2086.5727 ug/L
RT: 4.362 min Scan# 1333
Delta R.T. -0.000 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 56 Resp: 399795

Ion	Ratio	Lower	Upper
56	100		
41	71.0	40.6	100.6
55	19.0	0.0	49.1

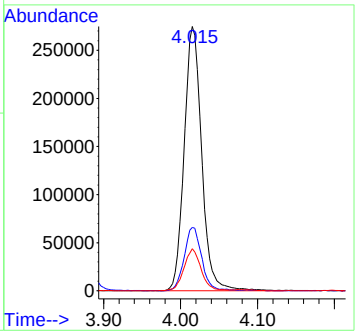


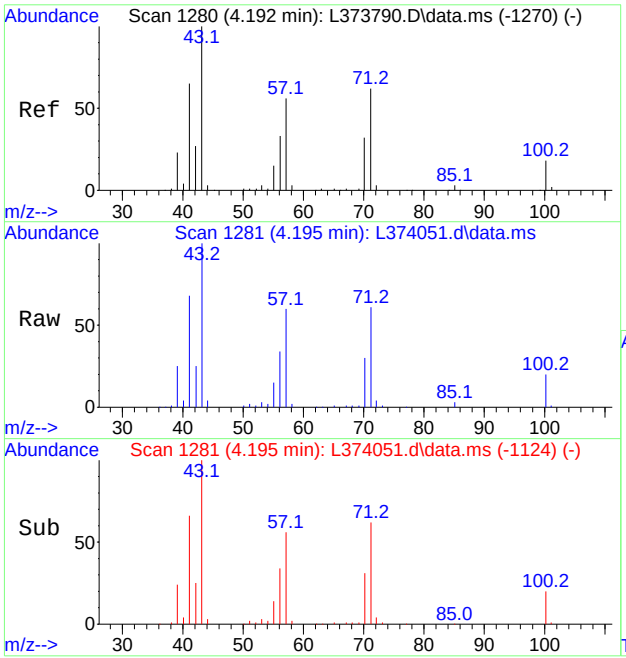


#56
benzene
Concen: 49.9157 ug/L
RT: 4.015 min Scan# 1225
Delta R.T. 0.000 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 78 Resp: 435028

Ion	Ratio	Lower	Upper
78	100		
77	24.0	0.0	53.5
52	15.9	0.0	46.2

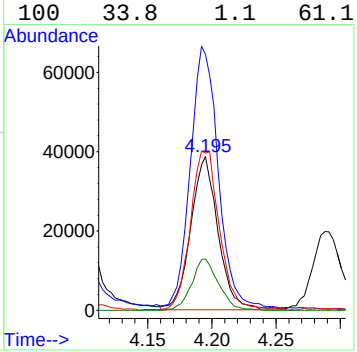


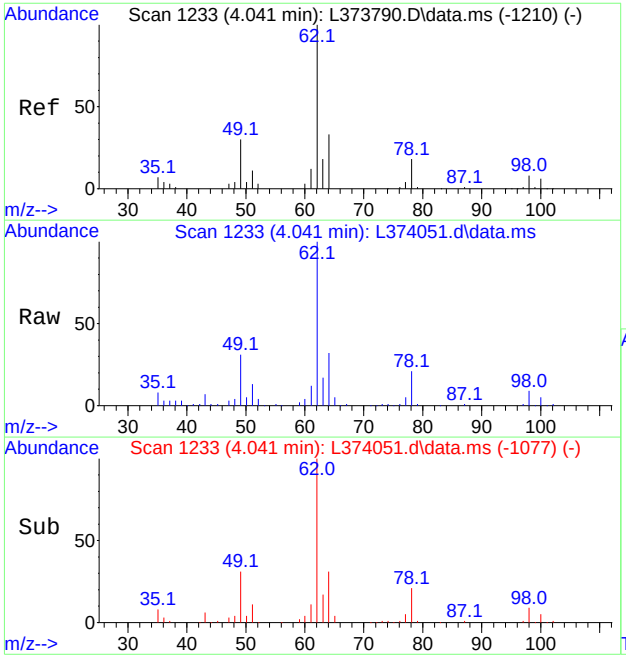


#57
heptane
Concen: 55.7886 ug/L
RT: 4.195 min Scan# 1281
Delta R.T. 0.003 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 57 Resp: 57383

Ion	Ratio	Lower	Upper
57	100		
43	165.9	146.8	206.8
71	102.4	78.5	138.5
100	33.8	1.1	61.1

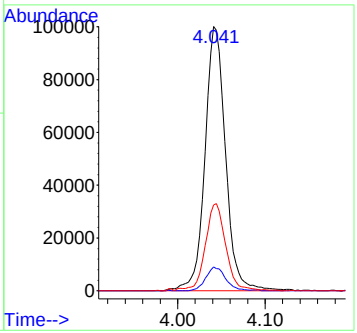


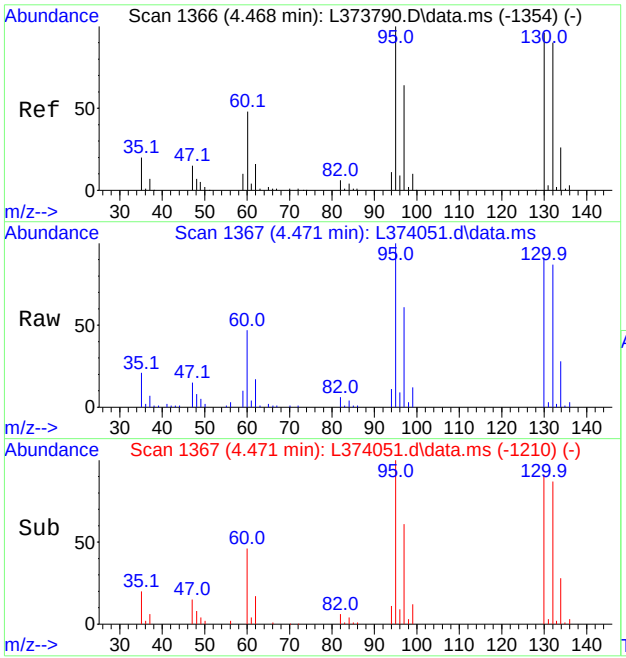


#58
1,2-dichloroethane
Concen: 49.4920 ug/L
RT: 4.041 min Scan# 1233
Delta R.T. 0.000 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 62 Resp: 164191

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	38.1
64	32.5	2.8	62.8

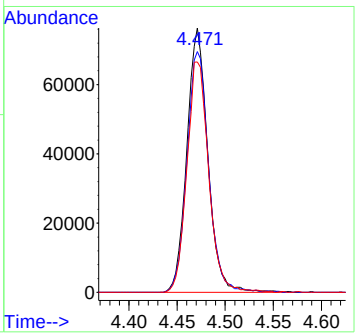


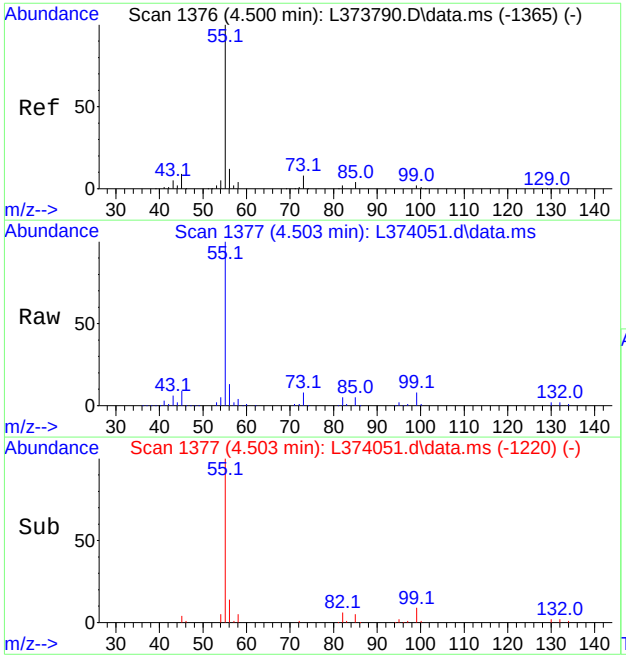


#59
trichloroethene
Concen: 52.9207 ug/L
RT: 4.471 min Scan# 1367
Delta R.T. 0.003 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 95 Resp: 116120

Ion	Ratio	Lower	Upper
95	100		
130	91.1	65.5	125.5
132	87.1	59.7	119.7

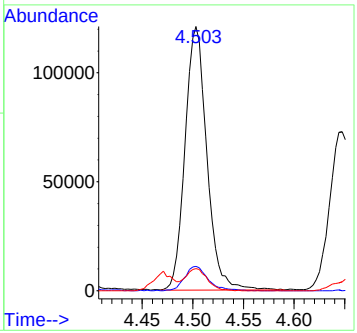


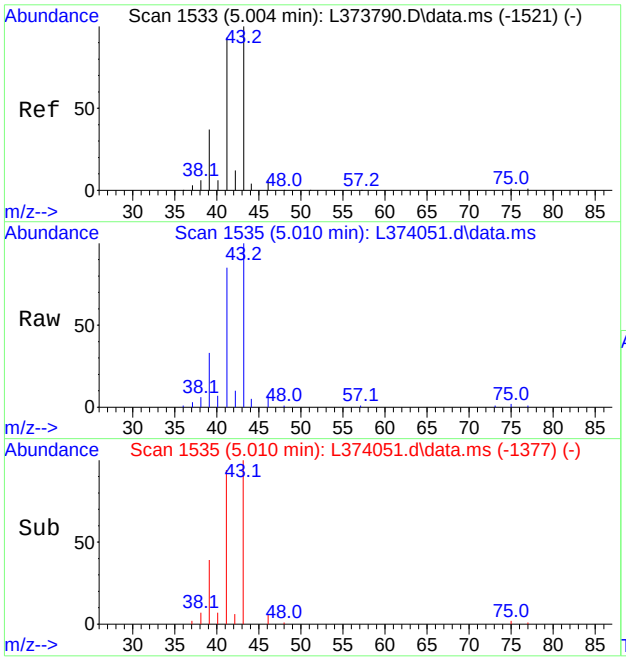


#60
ethyl acrylate
Concen: 46.3594 ug/L
RT: 4.503 min Scan# 1377
Delta R.T. 0.003 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 55 Resp: 182053

Ion	Ratio	Lower	Upper
55	100		
45	9.2	0.0	28.6
99	8.5	0.0	27.8

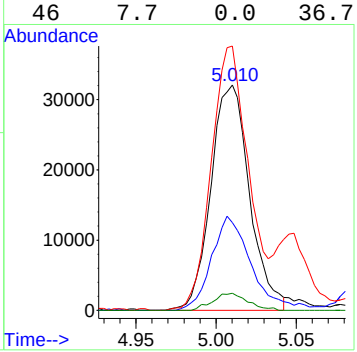


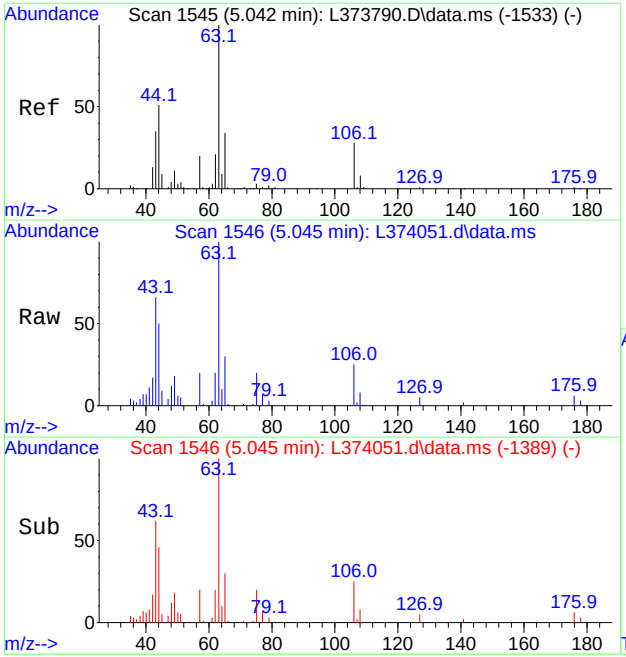


#61
2-nitropropane
Concen: 46.2977 ug/L
RT: 5.010 min Scan# 1535
Delta R.T. 0.006 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 41 Resp: 53947

Ion	Ratio	Lower	Upper
41	100		
39	39.0	10.0	70.0
43	117.3	77.9	137.9
46	7.7	0.0	36.7

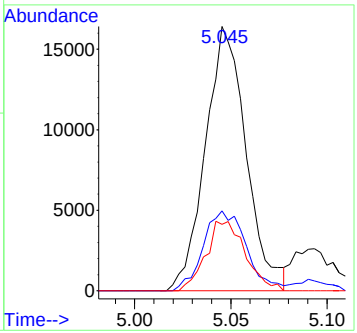


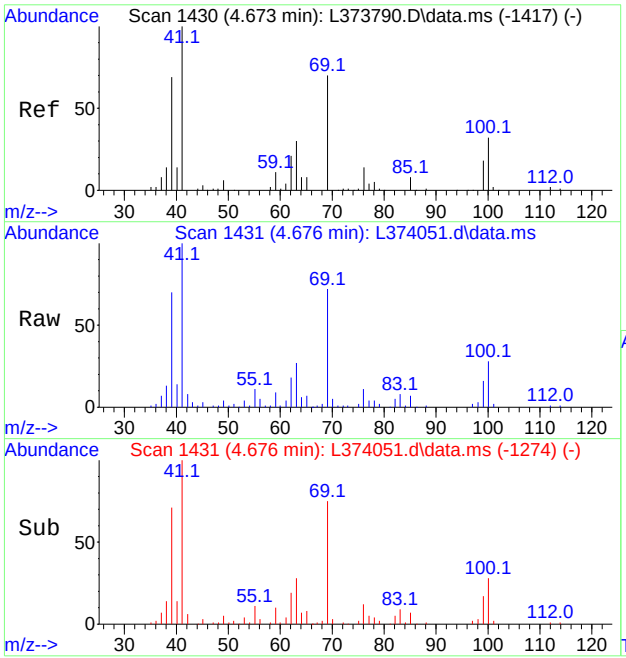


#62
2-chloroethyl vinyl ether
Concen: 32.0452 ug/L
RT: 5.045 min Scan# 1546
Delta R.T. 0.003 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 63 Resp: 24179

Ion	Ratio	Lower	Upper
63	100		
65	30.2	3.9	63.9
106	25.1	0.0	57.6

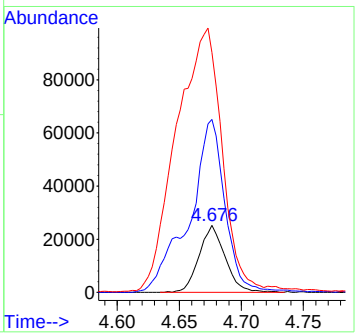


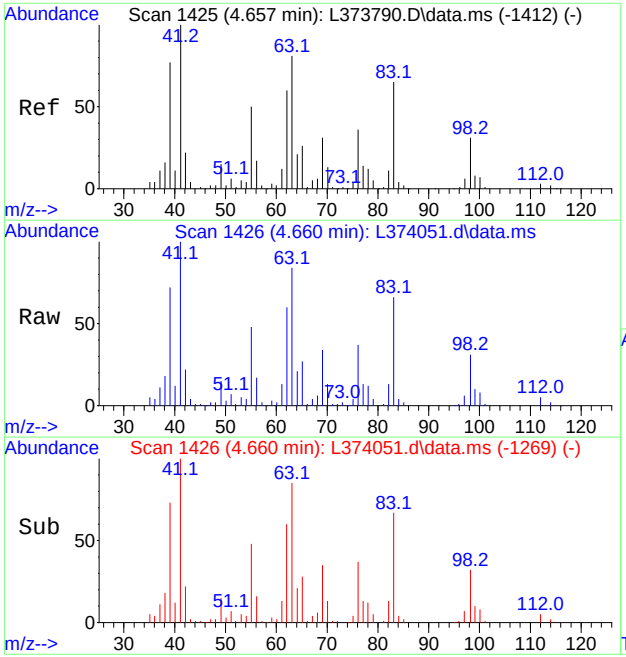


#63
methyl methacrylate
Concen: 50.7001 ug/L
RT: 4.676 min Scan# 1431
Delta R.T. 0.003 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion:100 Resp: 36878

Ion	Ratio	Lower	Upper
100	100		
69	254.1	221.2	281.2
41	351.8	360.4	420.4#

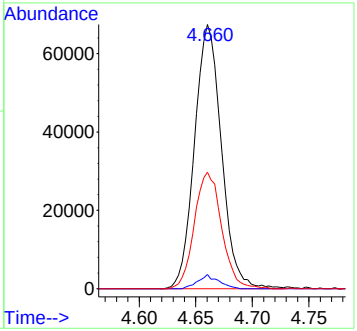


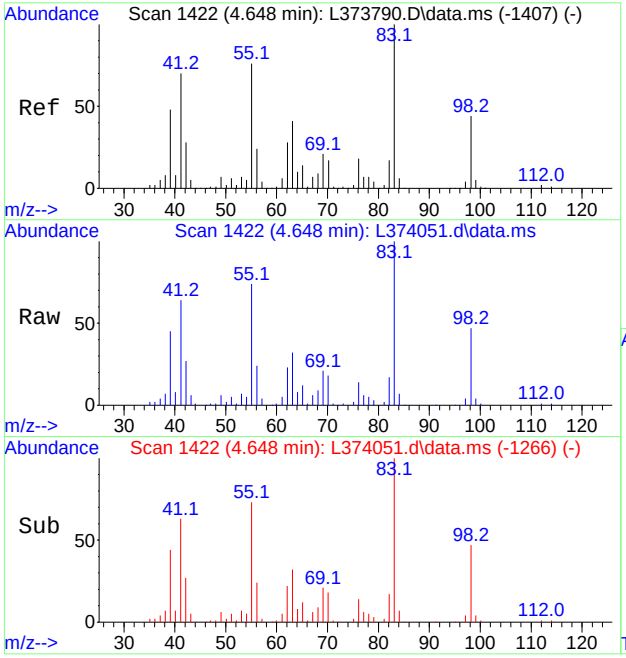


#64
1,2-dichloropropane
Concen: 50.1831 ug/L
RT: 4.660 min Scan# 1426
Delta R.T. 0.003 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 63 Resp: 111639

Ion	Ratio	Lower	Upper
63	100		
112	5.5	0.0	34.1
76	44.1	14.3	74.3

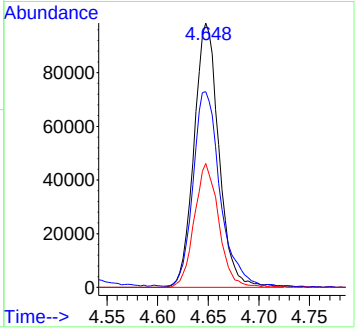


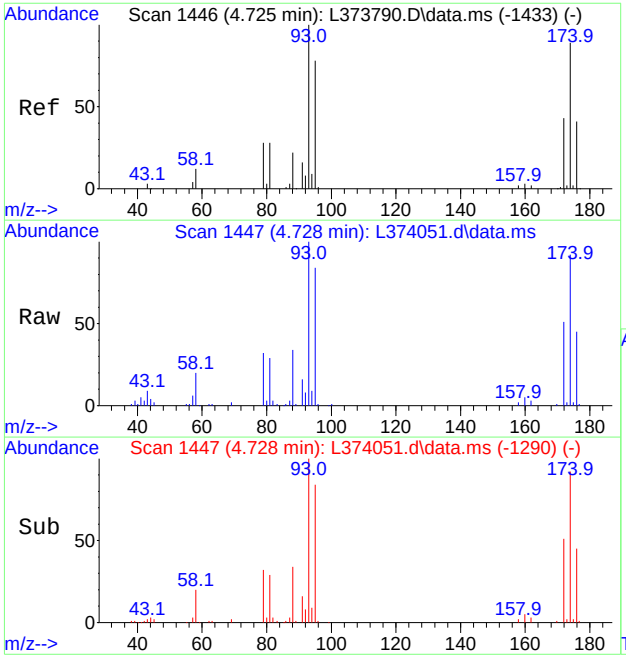


#65
methylcyclohexane
Concen: 56.0543 ug/L
RT: 4.648 min Scan# 1422
Delta R.T. -0.000 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 83 Resp: 168607

Ion	Ratio	Lower	Upper
83	100		
55	73.4	46.3	106.3
98	46.9	13.7	73.7

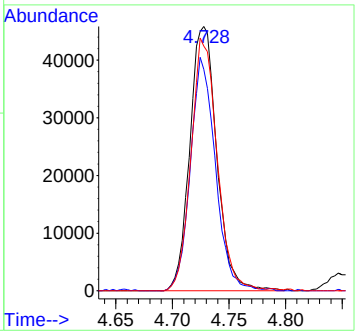


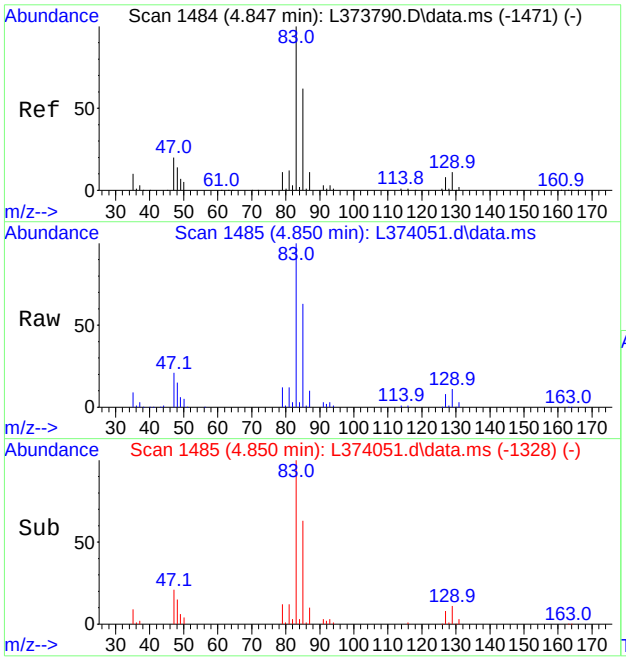


#66
dibromomethane
Concen: 49.7128 ug/L
RT: 4.728 min Scan# 1447
Delta R.T. 0.003 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 93 Resp: 76194

Ion	Ratio	Lower	Upper
93	100		
95	83.8	48.3	108.3
174	92.5	59.2	119.2

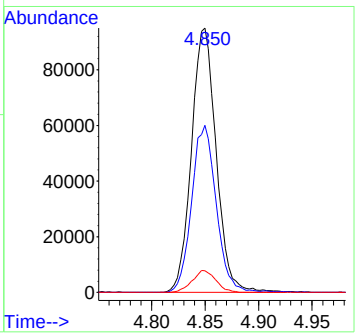


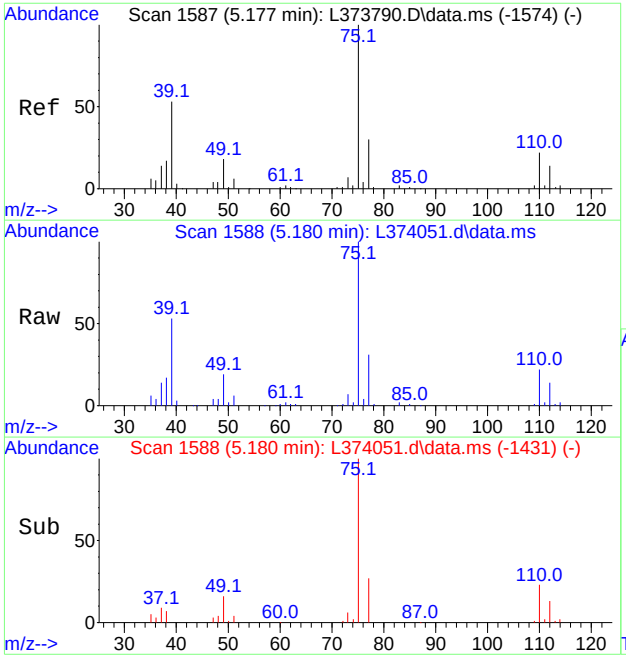


#67
bromodichloromethane
Concen: 48.0704 ug/L
RT: 4.850 min Scan# 1485
Delta R.T. 0.003 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 83 Resp: 152613

Ion	Ratio	Lower	Upper
83	100		
85	63.2	31.5	91.5
127	8.2	0.0	38.3

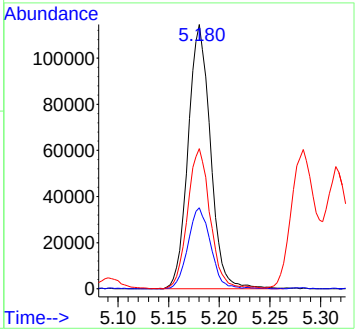


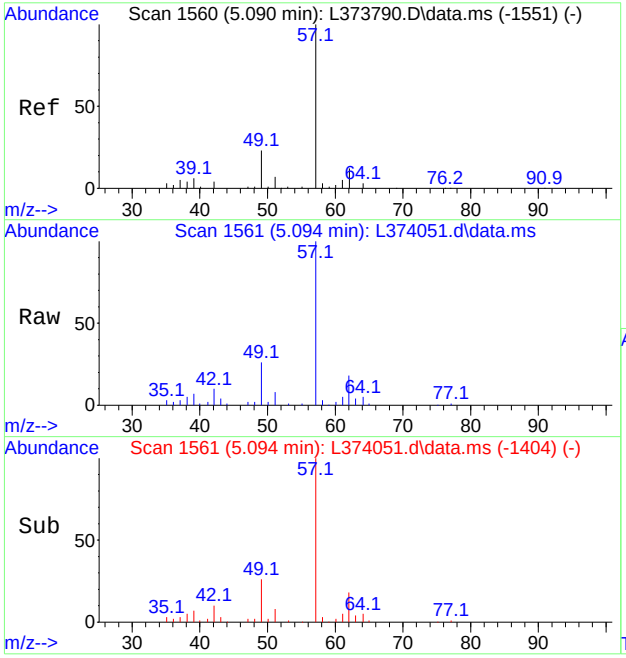


#68
cis-1,3-dichloropropene
Concen: 49.5553 ug/L
RT: 5.180 min Scan# 1588
Delta R.T. 0.003 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 75 Resp: 176358

Ion	Ratio	Lower	Upper
75	100		
77	30.6	0.1	60.1
39	52.8	23.1	83.1

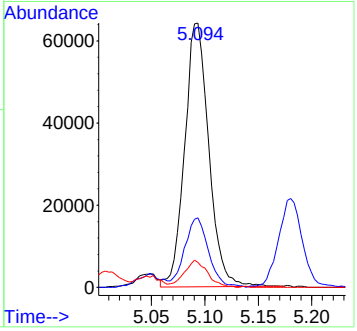


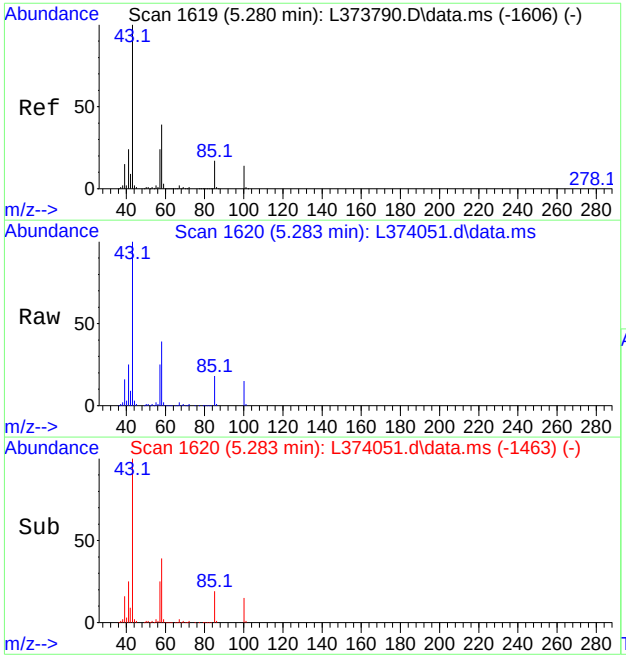


#69
epichlorohydrin
Concen: 222.6649 ug/L
RT: 5.094 min Scan# 1561
Delta R.T. 0.004 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 57 Resp: 101015

Ion	Ratio	Lower	Upper
57	100		
49	23.6	1.0	41.0
42	9.6	0.0	29.5

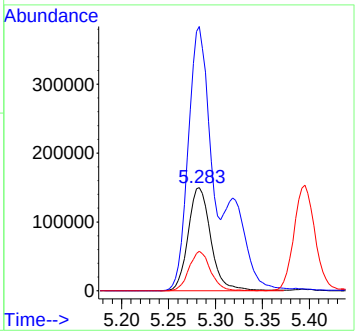


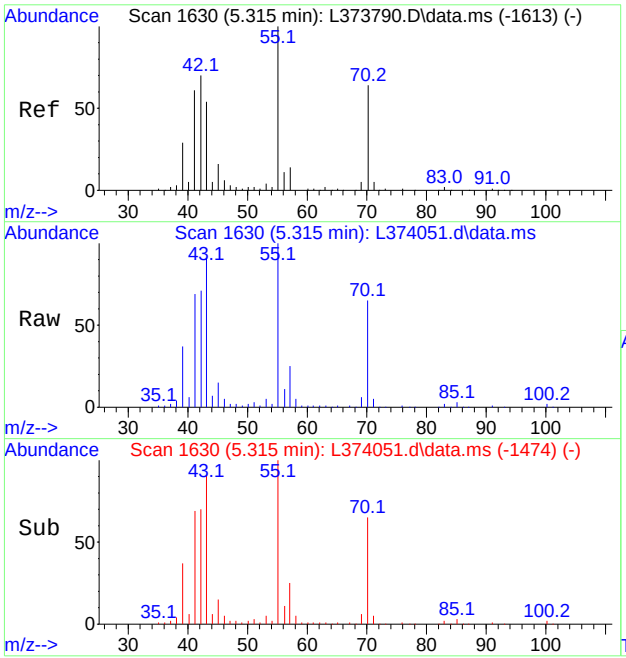


#70
4-methyl-2-pentanone
Concen: 180.7202 ug/L
RT: 5.283 min Scan# 1620
Delta R.T. 0.003 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 58 Resp: 252755

Ion	Ratio	Lower	Upper
58	100		
43	256.2	233.3	273.3
100	38.3	15.2	55.2

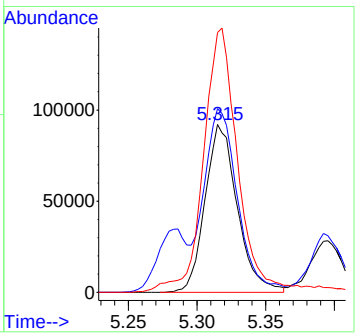


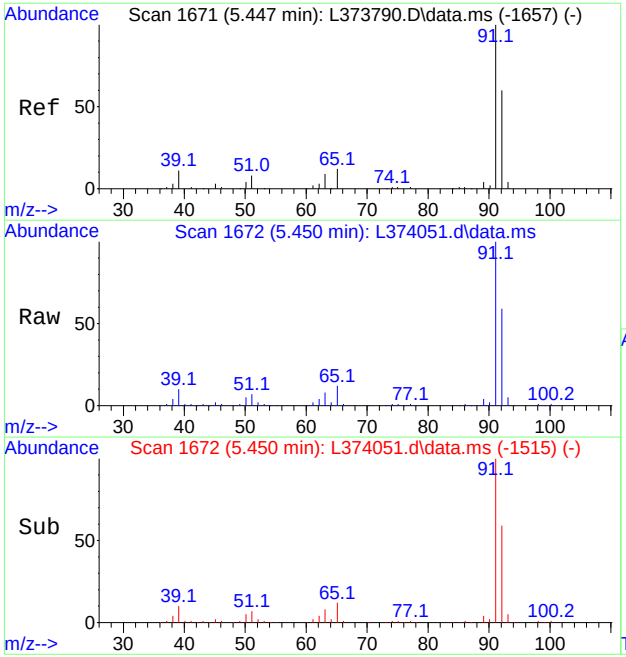


#71
3-methyl-1-butanol
Concen: 838.5055 ug/L
RT: 5.315 min Scan# 1630
Delta R.T. -0.000 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 70 Resp: 150114

Ion	Ratio	Lower	Upper
70	100		
42	105.8	94.2	134.2
55	150.5	137.5	177.5

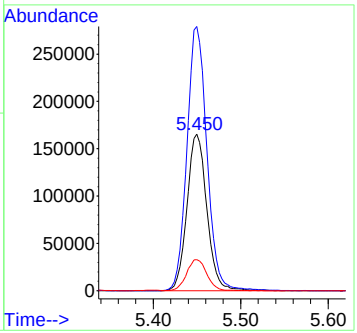


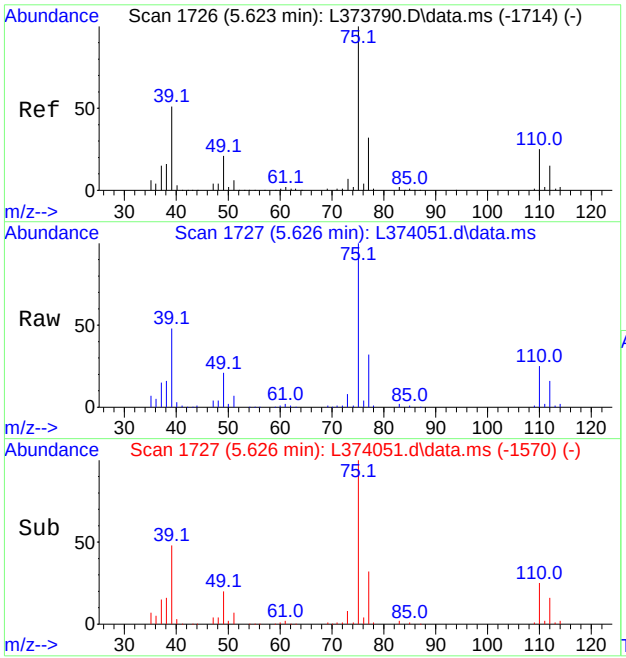


#74
toluene
Concen: 50.0244 ug/L
RT: 5.450 min Scan# 1672
Delta R.T. 0.003 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 92 Resp: 262020

Ion	Ratio	Lower	Upper
92	100		
91	168.8	136.7	196.7
65	20.0	0.0	50.8

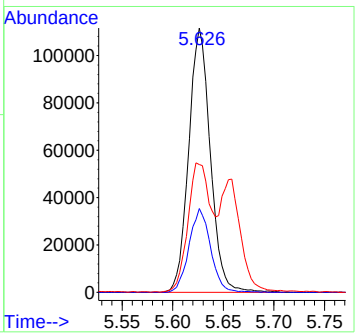


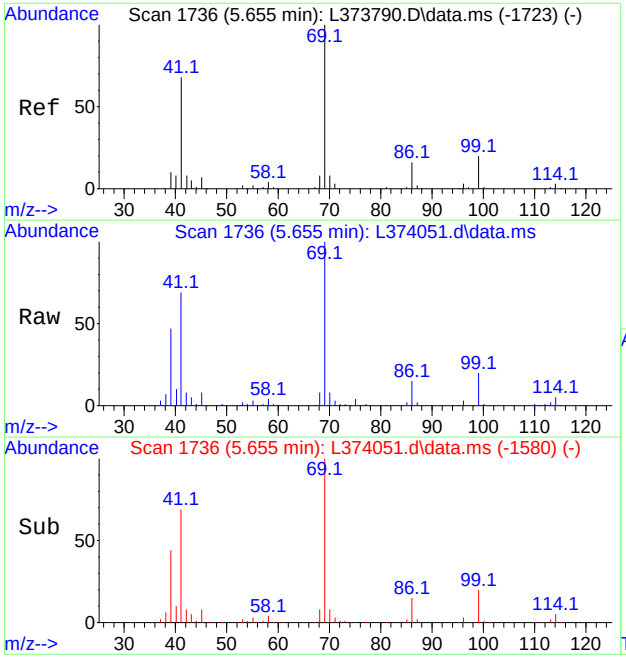


#75
trans-1,3-dichloropropene
Concen: 50.8789 ug/L
RT: 5.626 min Scan# 1727
Delta R.T. 0.003 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 75 Resp: 166158

Ion	Ratio	Lower	Upper
75	100		
77	31.7	1.7	61.7
39	48.3	20.7	80.7

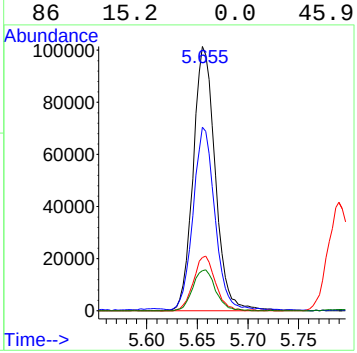


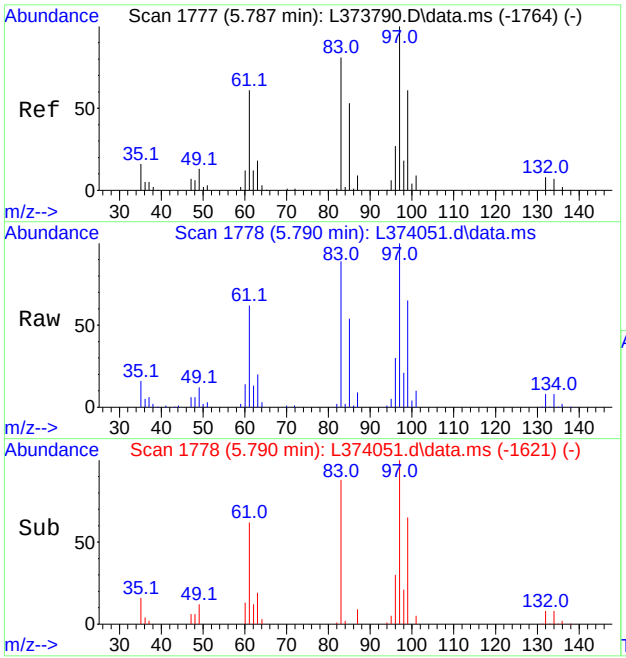


#76
ethyl methacrylate
Concen: 46.8072 ug/L
RT: 5.655 min Scan# 1736
Delta R.T. 0.000 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 69 Resp: 154450

Ion	Ratio	Lower	Upper
69	100		
41	69.2	38.9	98.9
99	20.2	0.0	50.4
86	15.2	0.0	45.9

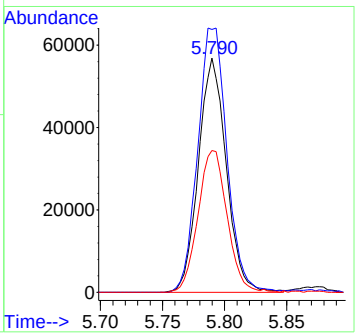


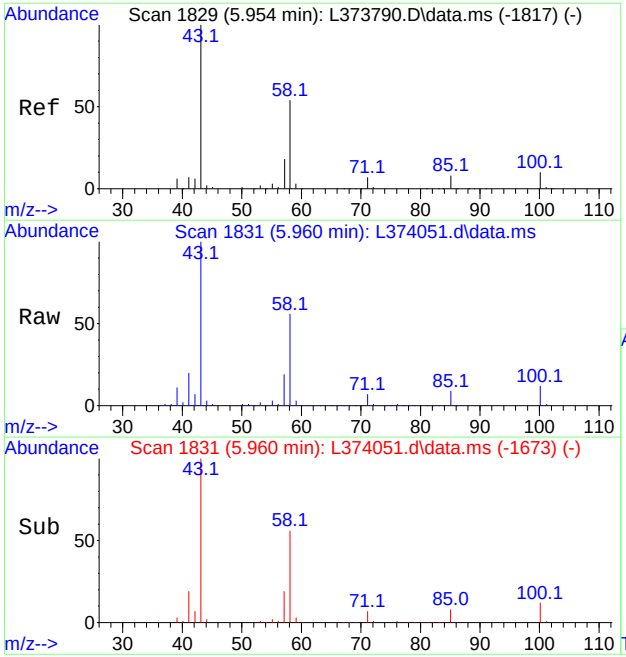


#77
1,1,2-trichloroethane
Concen: 51.2099 ug/L
RT: 5.790 min Scan# 1778
Delta R.T. 0.003 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 83 Resp: 88931

Ion	Ratio	Lower	Upper
83	100		
97	112.2	93.6	153.6
85	60.5	35.4	95.4

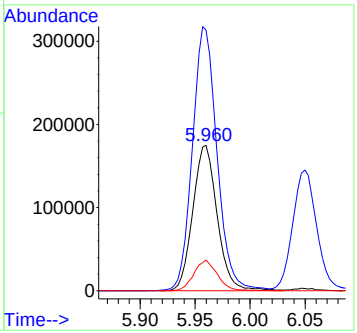


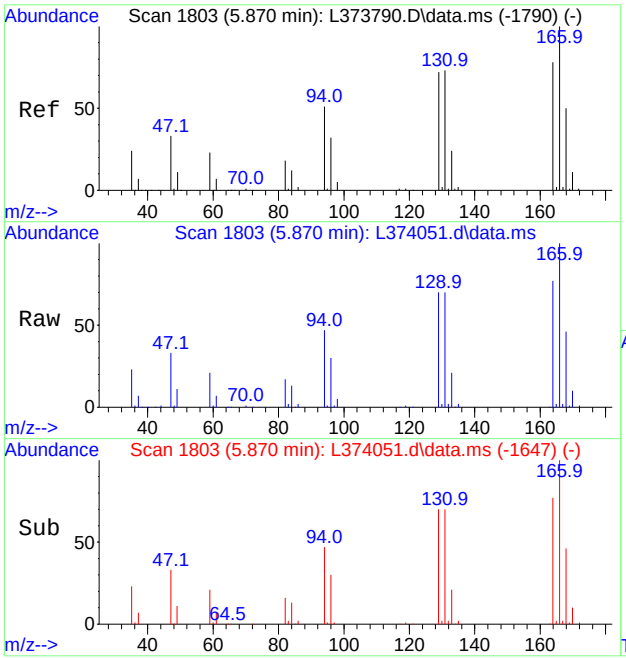


#78
2-hexanone
Concen: 181.8043 ug/L
RT: 5.960 min Scan# 1831
Delta R.T. 0.006 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 58 Resp: 270612

Ion	Ratio	Lower	Upper
58	100		
43	179.0	154.6	214.6
100	21.2	0.0	49.0

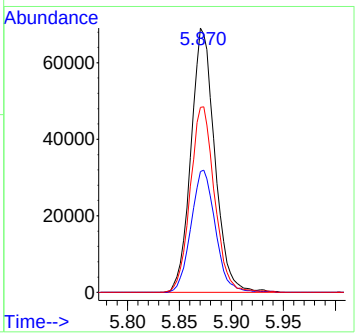


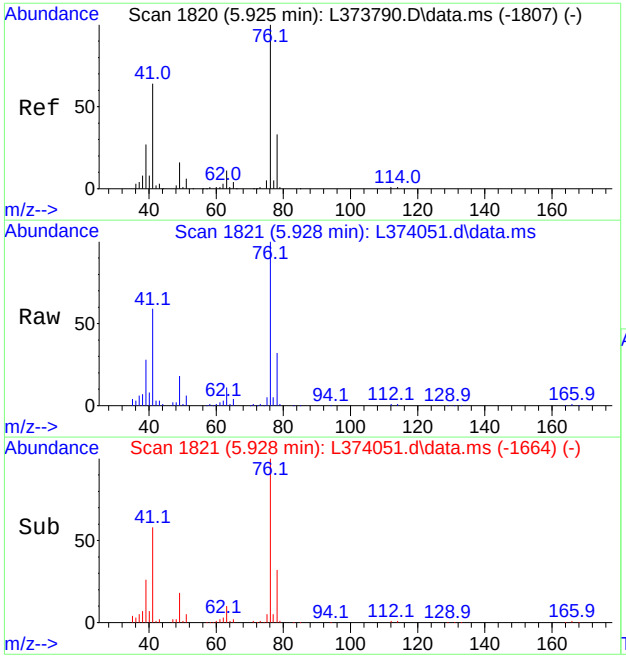


#79
tetrachloroethene
Concen: 52.4211 ug/L
RT: 5.870 min Scan# 1803
Delta R.T. 0.000 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion:166 Resp: 110288

Ion	Ratio	Lower	Upper
166	100		
168	45.7	19.7	79.7
129	69.9	42.4	102.4

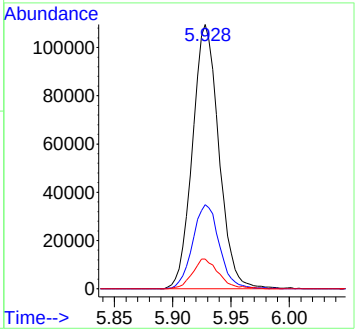


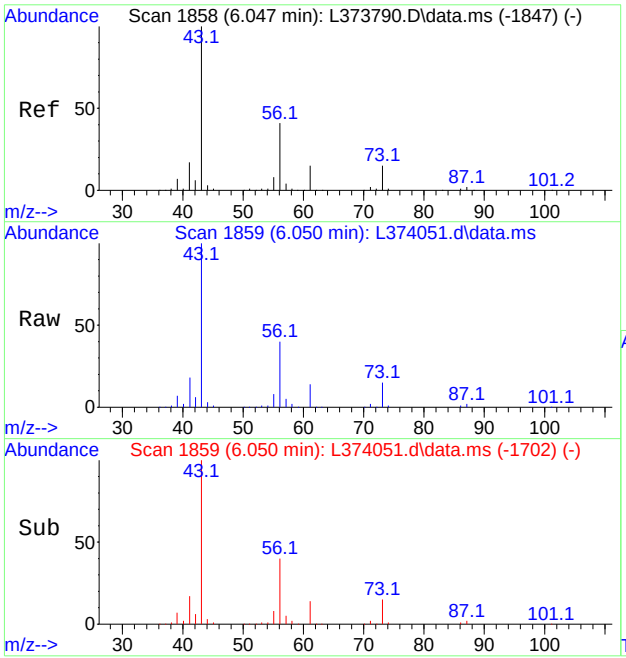


#80
1,3-dichloropropane
Concen: 51.5838 ug/L
RT: 5.928 min Scan# 1821
Delta R.T. 0.003 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 76 Resp: 172641

Ion	Ratio	Lower	Upper
76	100		
78	31.8	2.7	62.7
63	11.2	0.0	41.2

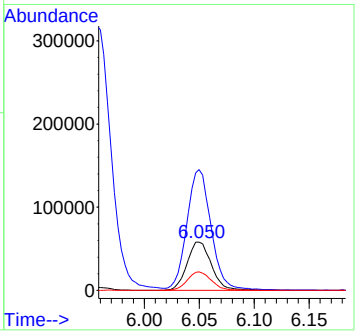


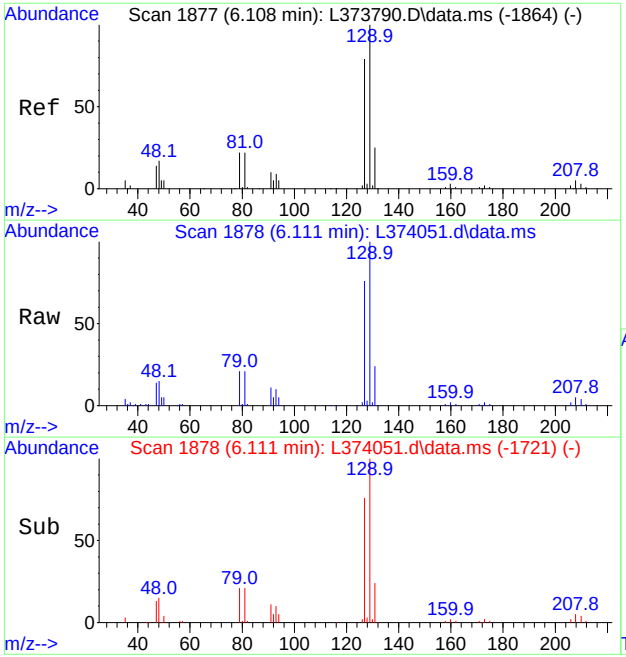


#81
butyl acetate
Concen: 45.9044 ug/L
RT: 6.050 min Scan# 1859
Delta R.T. 0.003 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 56 Resp: 90036

Ion	Ratio	Lower	Upper
56	100		
43	249.3	218.3	278.3
73	38.5	7.2	67.2

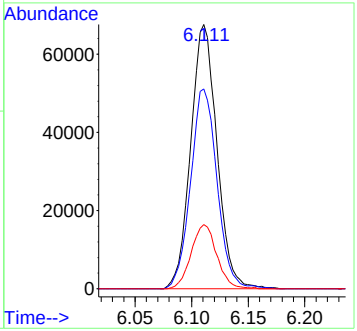


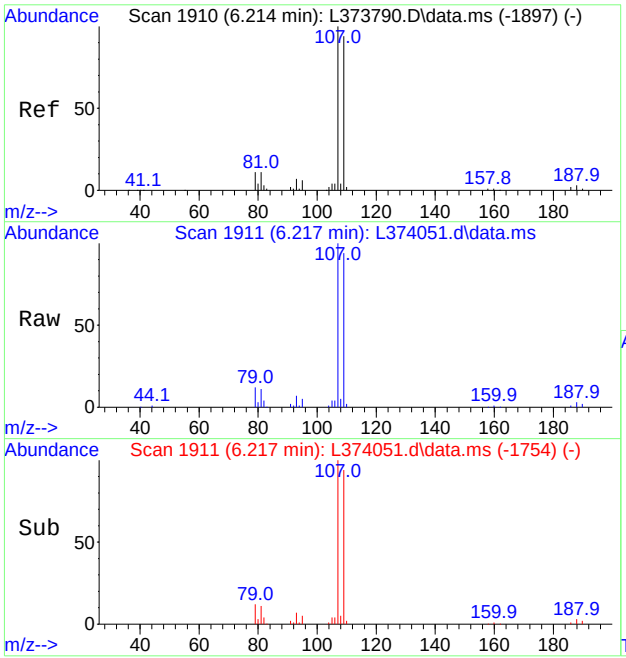


#82
dibromochloromethane
Concen: 48.7005 ug/L
RT: 6.111 min Scan# 1878
Delta R.T. 0.003 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion:129 Resp: 109081

Ion	Ratio	Lower	Upper
129	100		
127	75.6	49.0	109.0
131	24.3	0.0	54.6

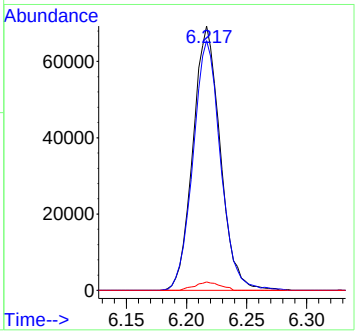


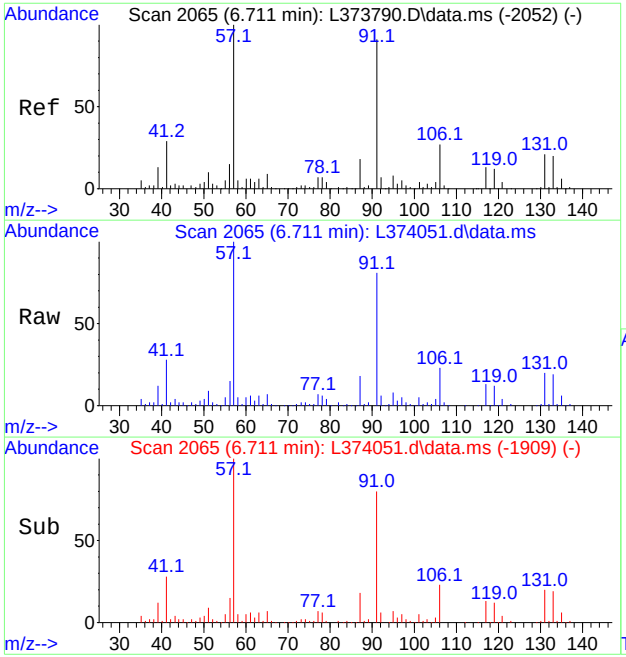


#83
1,2-dibromoethane
Concen: 51.7647 ug/L
RT: 6.217 min Scan# 1911
Delta R.T. 0.003 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion:107 Resp: 109218

Ion	Ratio	Lower	Upper
107	100		
109	94.4	63.9	123.9
188	3.2	0.0	33.4

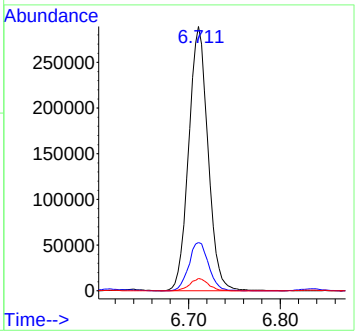


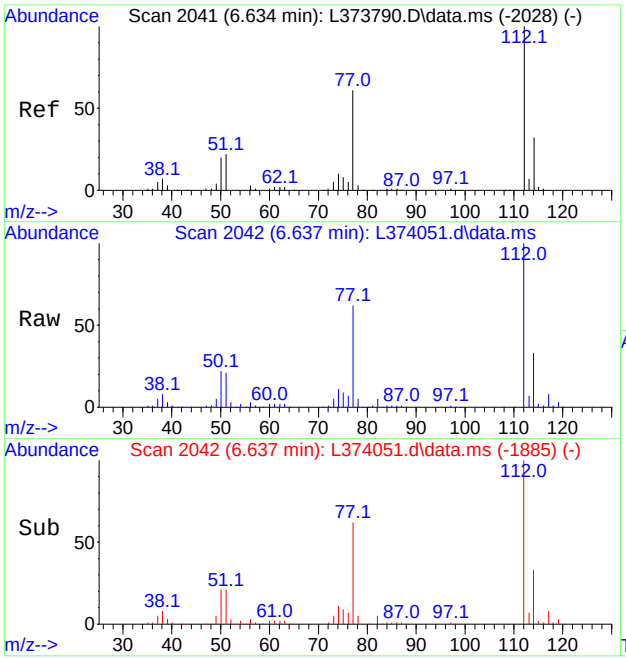


#84
n-butyl ether
Concen: 47.9377 ug/L
RT: 6.711 min Scan# 2065
Delta R.T. -0.000 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 57 Resp: 422669

Ion	Ratio	Lower	Upper
57	100		
87	18.2	0.0	47.8
101	4.6	0.0	34.2

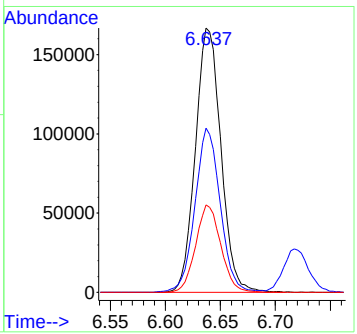


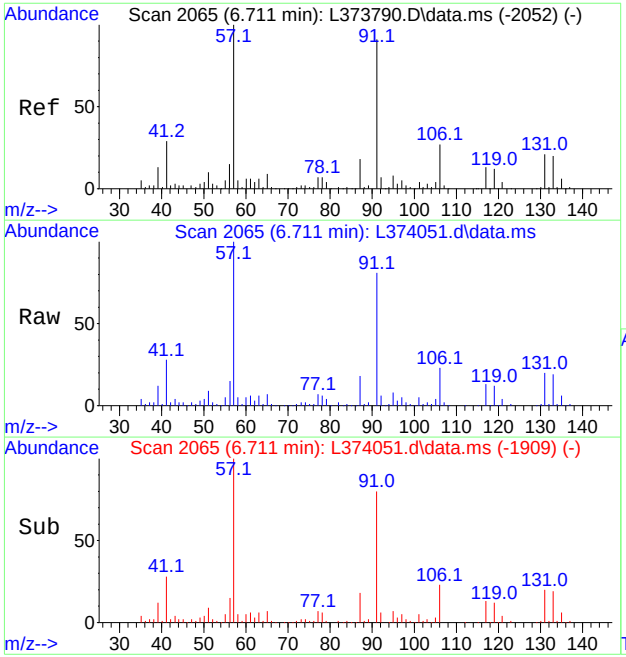


#85
chlorobenzene
Concen: 49.1072 ug/L
RT: 6.637 min Scan# 2042
Delta R.T. 0.003 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion:112 Resp: 270068

Ion	Ratio	Lower	Upper
112	100		
77	61.9	30.8	90.8
114	33.1	2.4	62.4

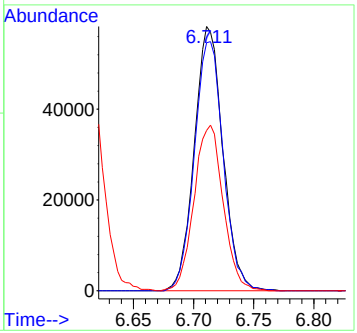


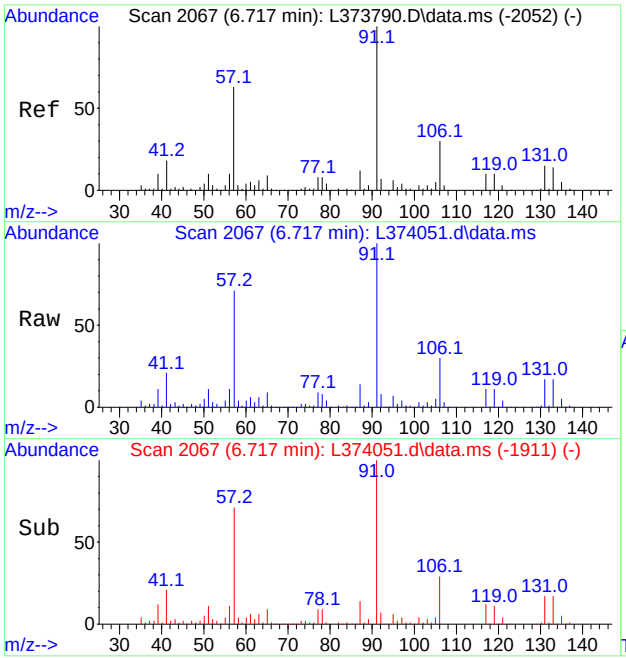


#86
1,1,1,2-tetrachloroethane
Concen: 51.7286 ug/L
RT: 6.711 min Scan# 2065
Delta R.T. -0.000 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion:131 Resp: 96270

Ion	Ratio	Lower	Upper
131	100		
133	93.8	65.1	125.1
119	60.6	30.8	90.8

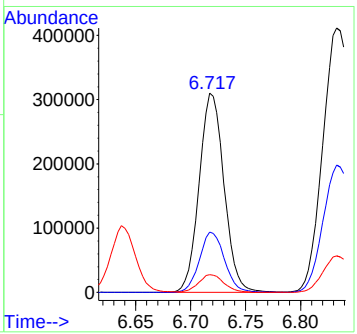


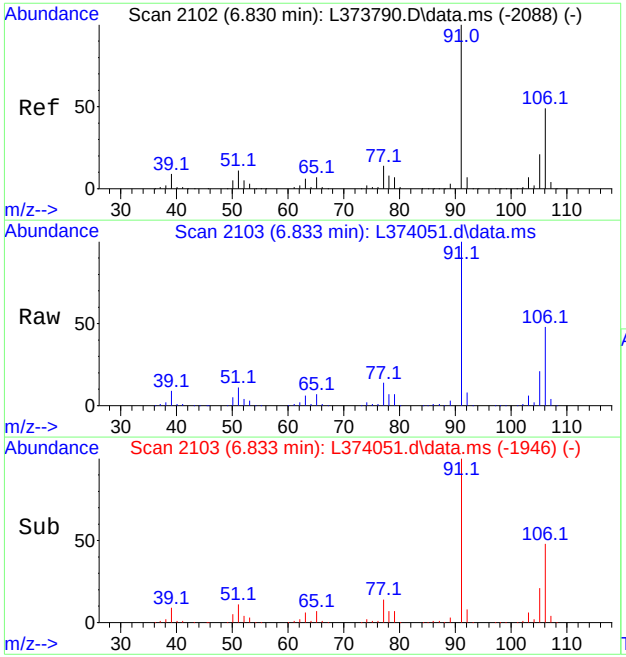


#87
ethylbenzene
Concen: 50.9490 ug/L
RT: 6.717 min Scan# 2067
Delta R.T. 0.000 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 91 Resp: 488858

Ion	Ratio	Lower	Upper
91	100		
106	30.2	0.1	60.1
77	8.8	0.0	38.6

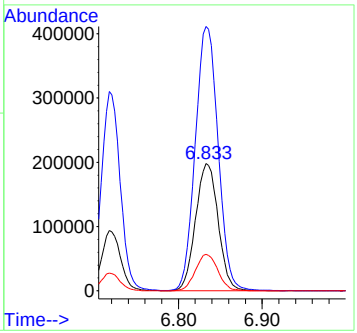


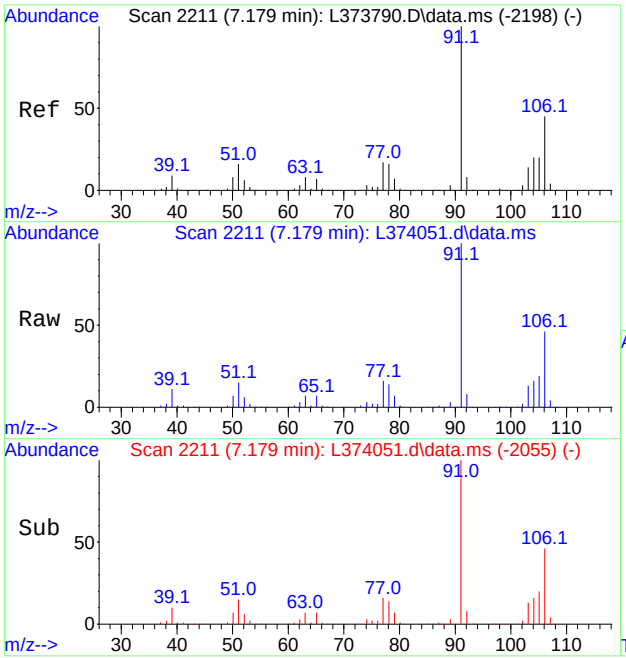


#88
m,p-xylene
Concen: 100.7773 ug/L
RT: 6.833 min Scan# 2103
Delta R.T. 0.003 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion:106 Resp: 372398

Ion	Ratio	Lower	Upper
106	100		
91	207.6	175.7	235.7
77	28.7	8.1	48.1

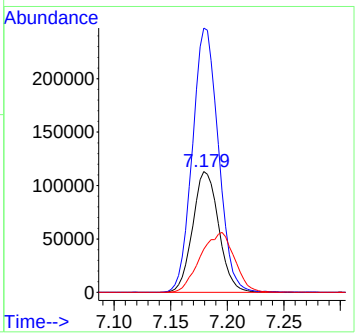


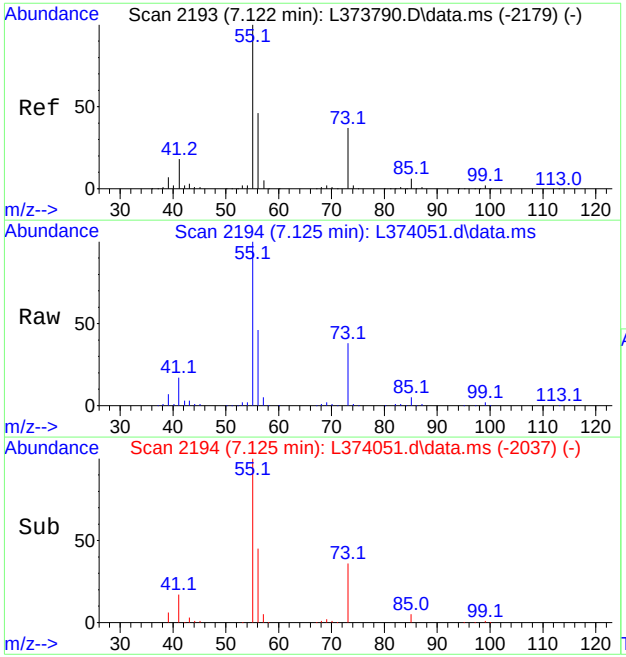


#89
o-xylene
Concen: 50.0733 ug/L
RT: 7.179 min Scan# 2211
Delta R.T. 0.000 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion:106 Resp: 180927

Ion	Ratio	Lower	Upper
106	100		
91	219.1	194.5	254.5
77	35.8	18.1	58.1

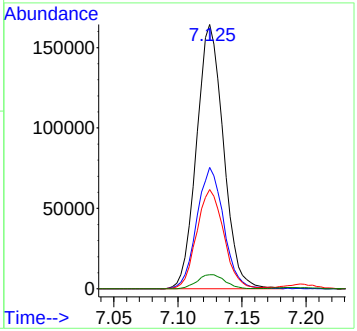


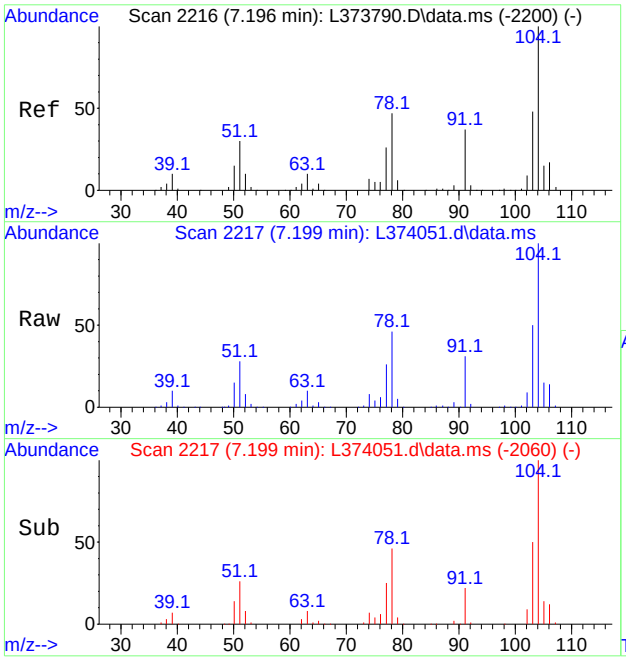


#90
butyl acrylate
Concen: 45.5314 ug/L
RT: 7.125 min Scan# 2194
Delta R.T. 0.003 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 55 Resp: 240644

Ion	Ratio	Lower	Upper
55	100		
56	45.9	26.3	66.3
73	37.5	17.5	57.5
85	5.3	0.0	25.6

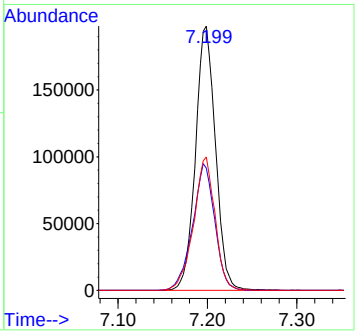


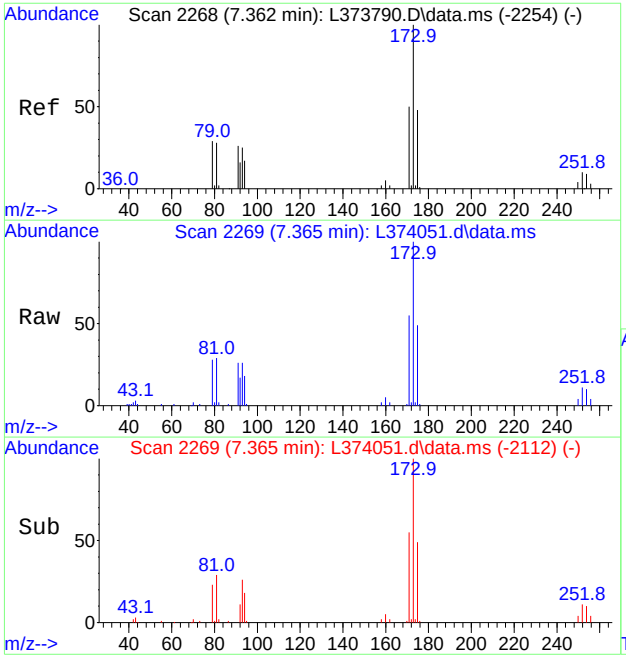


#91
styrene
Concen: 50.7795 ug/L
RT: 7.199 min Scan# 2217
Delta R.T. 0.003 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion:104 Resp: 307646

Ion	Ratio	Lower	Upper
104	100		
78	46.3	16.8	76.8
103	50.4	17.7	77.7

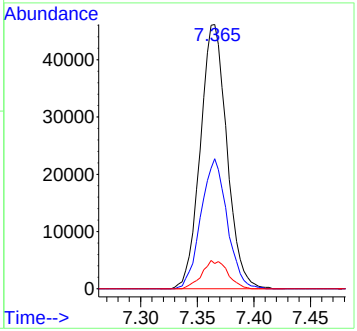


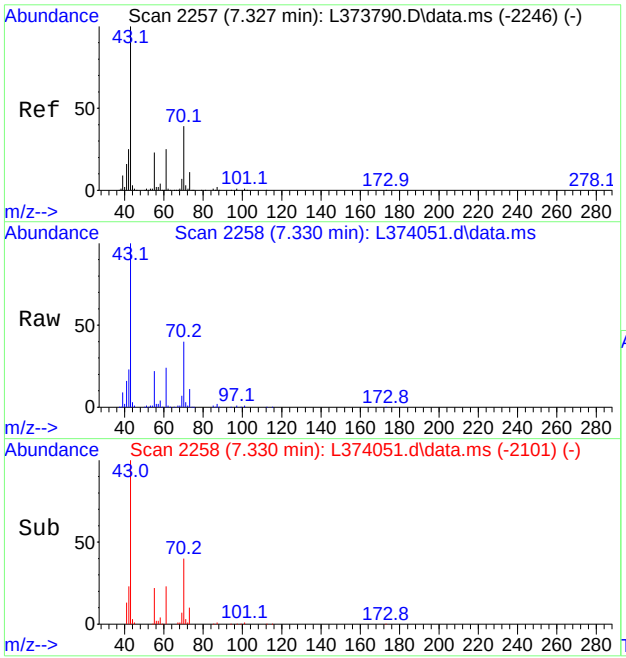


#92
bromoform
Concen: 47.1941 ug/L
RT: 7.365 min Scan# 2269
Delta R.T. 0.003 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion:173 Resp: 75124

Ion	Ratio	Lower	Upper
173	100		
175	49.2	17.8	77.8
254	9.6	0.0	39.4

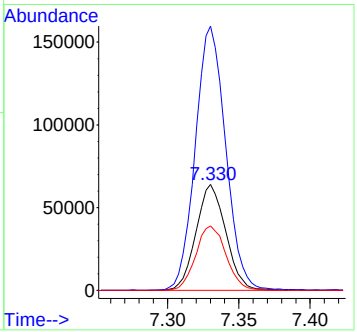


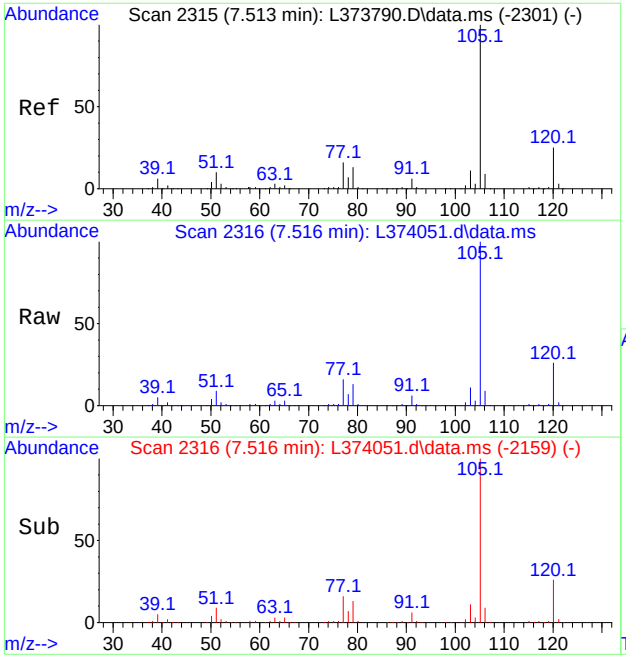


#93
n-amyl acetate
Concen: 47.1027 ug/L
RT: 7.330 min Scan# 2258
Delta R.T. 0.003 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 70 Resp: 93166

Ion	Ratio	Lower	Upper
70	100		
43	248.8	233.4	273.4
61	60.9	42.6	82.6

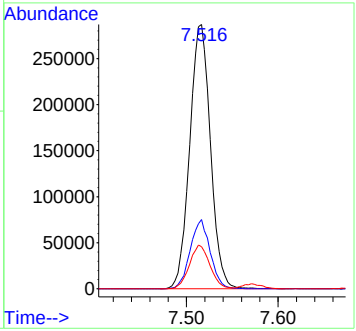


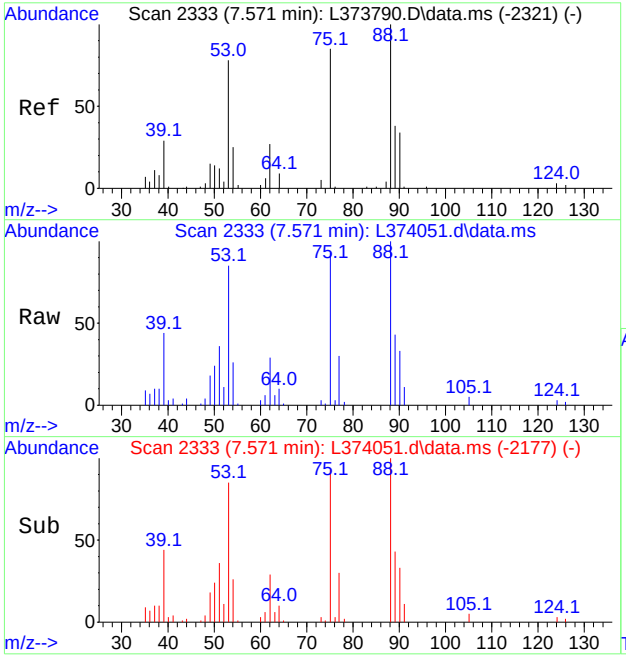


#94
isopropylbenzene
Concen: 51.8086 ug/L
RT: 7.516 min Scan# 2316
Delta R.T. 0.003 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion:105 Resp: 451824

Ion	Ratio	Lower	Upper
105	100		
120	26.2	5.2	45.2
77	15.9	0.0	36.2

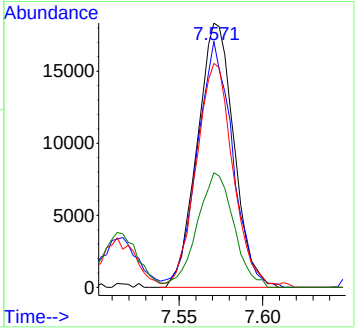


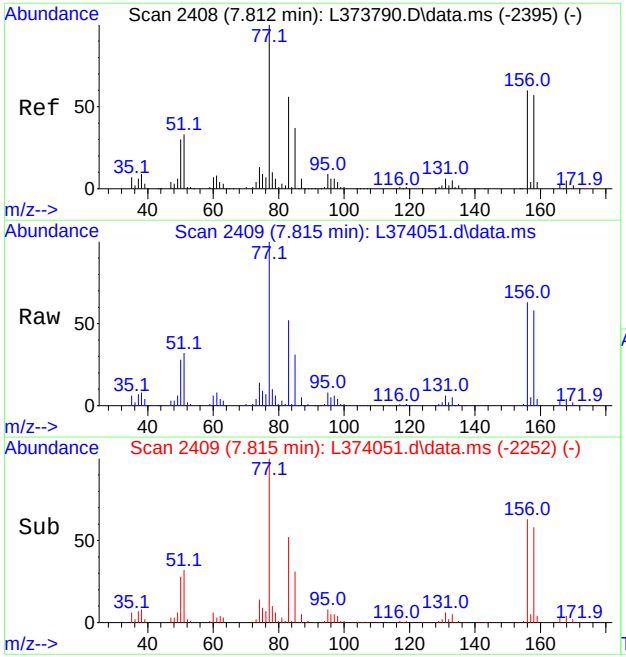


#95
cis-1,4-dichloro-2-butene
Concen: 37.4774 ug/L
RT: 7.571 min Scan# 2333
Delta R.T. -0.000 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 88 Resp: 27824

Ion	Ratio	Lower	Upper
88	100		
75	93.1	66.5	106.5
53	83.4	59.7	99.7
89	43.4	20.7	60.7

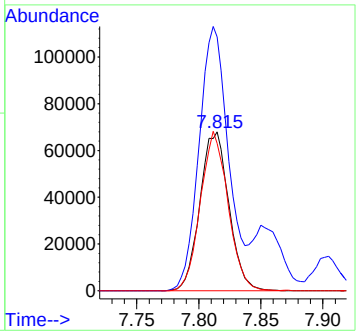


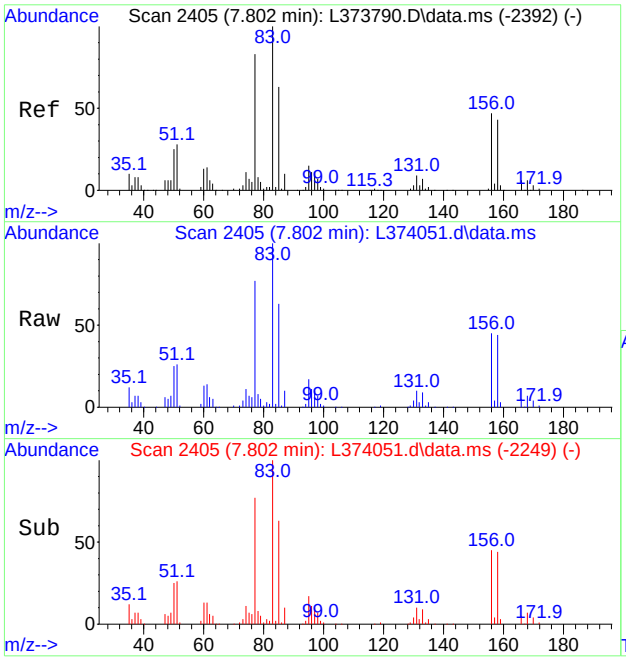


#98
bromobenzene
Concen: 49.5255 ug/L
RT: 7.815 min Scan# 2409
Delta R.T. 0.003 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion:156 Resp: 110308

Ion	Ratio	Lower	Upper
156	100		
77	159.7	137.0	197.0
158	92.7	65.5	125.5

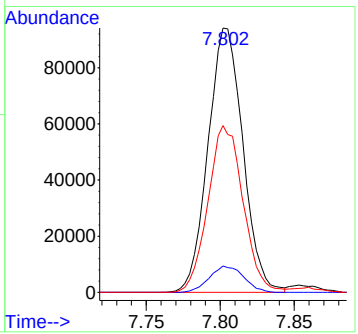


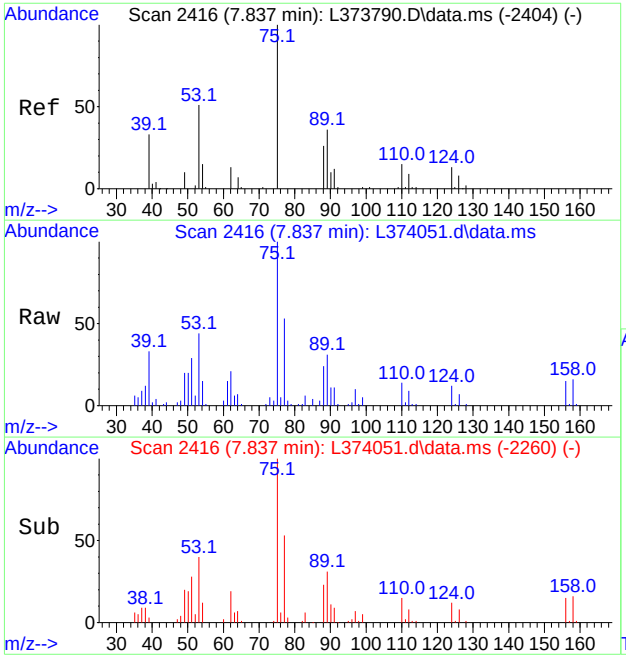


#99
1,1,2,2-tetrachloroethane
Concen: 45.6504 ug/L
RT: 7.802 min Scan# 2405
Delta R.T. -0.000 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 83 Resp: 154032

Ion	Ratio	Lower	Upper
83	100		
131	9.9	0.0	38.9
85	63.1	33.3	93.3

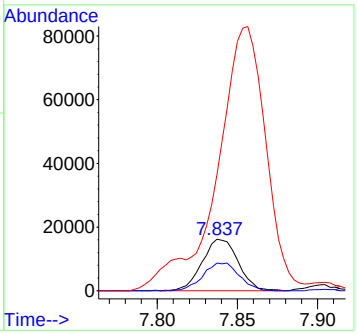


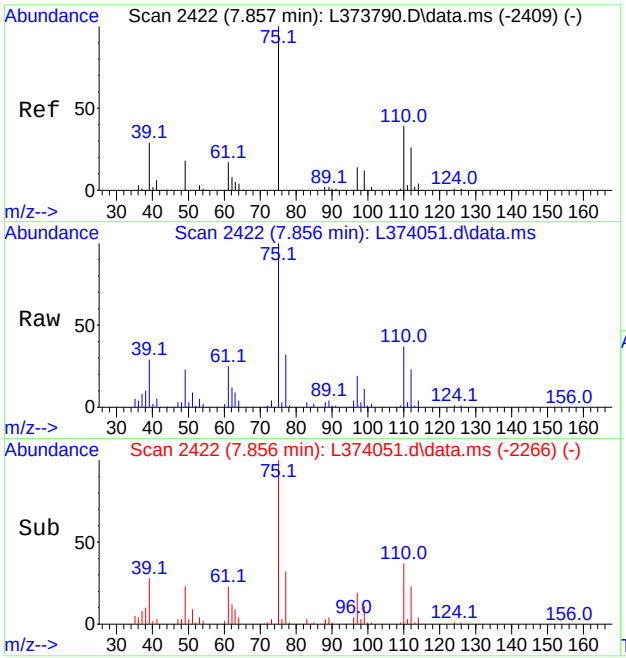


#100
trans-1,4-dichloro-2-butene
Concen: 37.4934 ug/L
RT: 7.837 min Scan# 2416
Delta R.T. 0.000 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 53 Resp: 25359

Ion	Ratio	Lower	Upper
53	100		
88	53.7	21.0	81.0
75	183.6	165.8	225.8

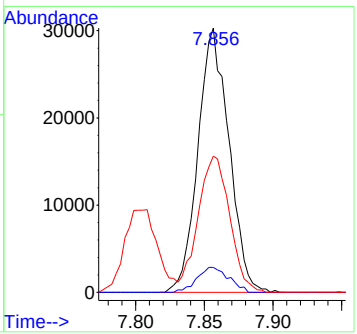


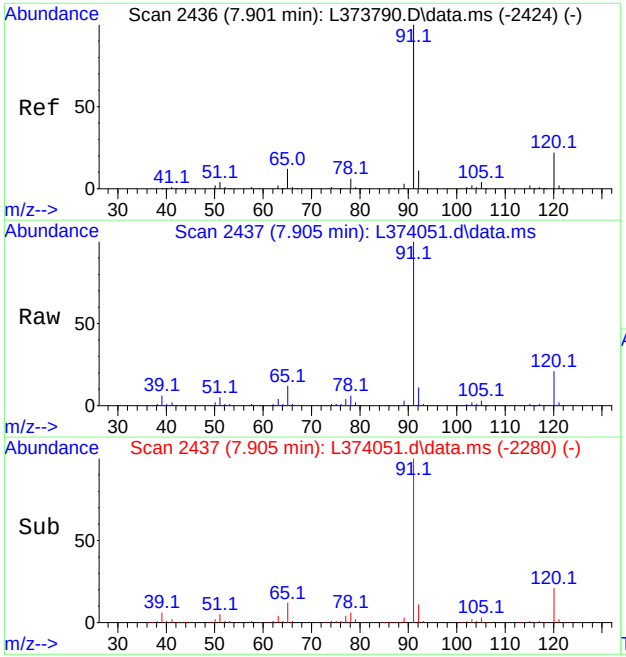


#101
1,2,3-trichloropropane
Concen: 47.1215 ug/L
RT: 7.856 min Scan# 2422
Delta R.T. -0.001 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion:110 Resp: 47513

Ion	Ratio	Lower	Upper
110	100		
111	9.5	0.0	38.4
97	51.6	22.5	82.5

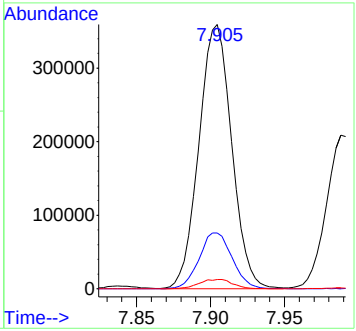


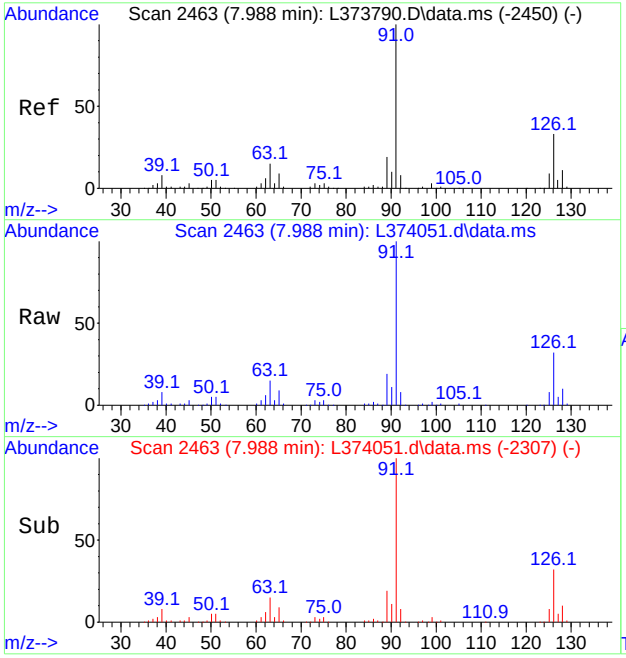


#102
n-propylbenzene
Concen: 51.3831 ug/L
RT: 7.905 min Scan# 2437
Delta R.T. 0.004 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 91 Resp: 553117

Ion	Ratio	Lower	Upper
91	100		
120	21.2	0.0	51.5
105	3.5	0.0	33.7

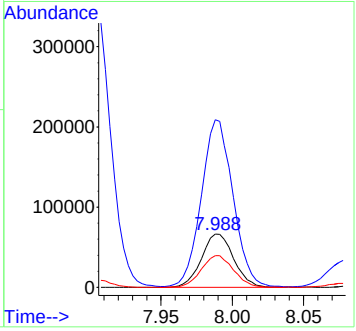


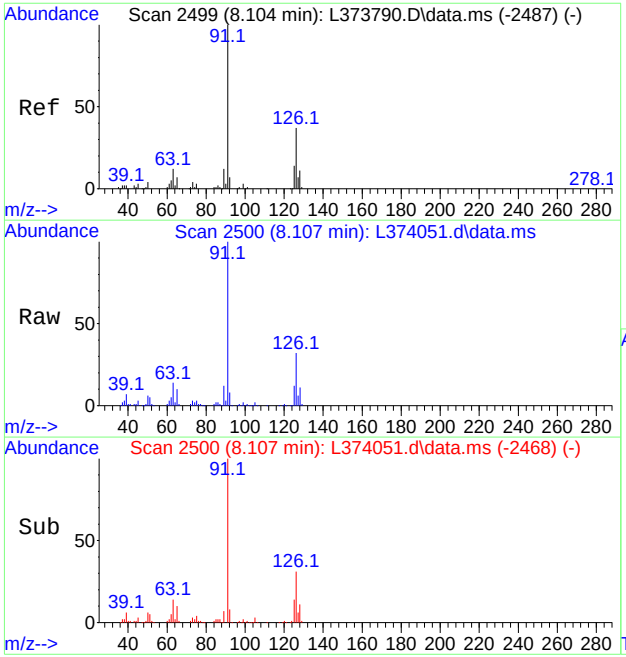


#103
2-chlorotoluene
Concen: 50.1321 ug/L
RT: 7.988 min Scan# 2463
Delta R.T. -0.000 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion:126 Resp: 104723

Ion	Ratio	Lower	Upper
126	100		
91	313.2	276.4	336.4
89	59.5	28.8	88.8

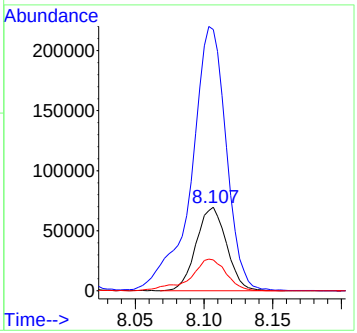


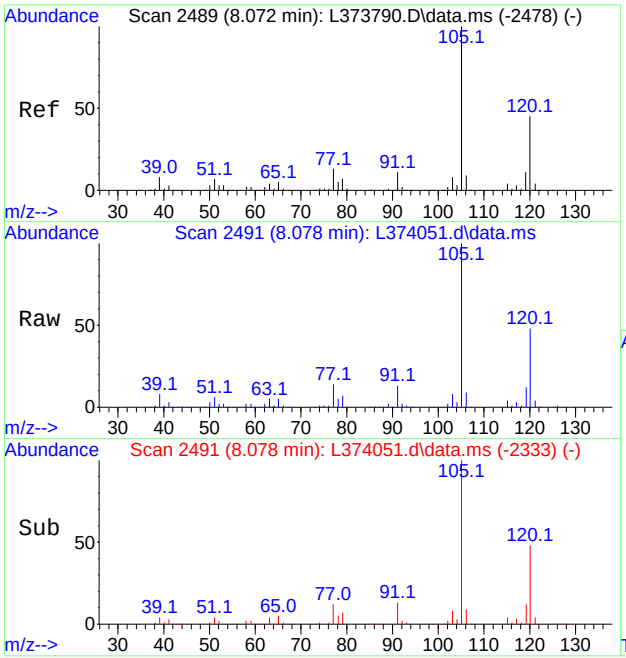


#104
4-chlorotoluene
Concen: 48.3942 ug/L
RT: 8.107 min Scan# 2500
Delta R.T. 0.003 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion:126 Resp: 107224

Ion	Ratio	Lower	Upper
126	100		
91	312.0	265.5	325.5
89	36.9	5.5	65.5

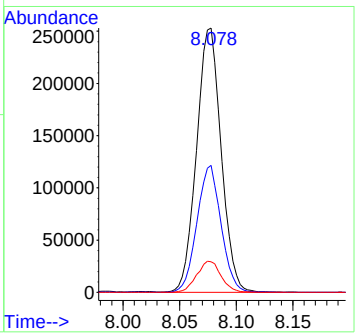


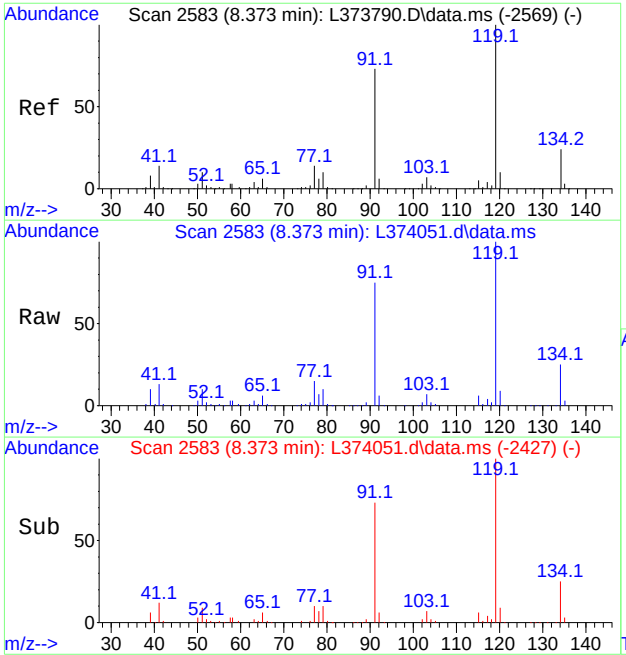


#105
1,3,5-trimethylbenzene
Concen: 51.0150 ug/L
RT: 8.078 min Scan# 2491
Delta R.T. 0.006 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion:105 Resp: 382249

Ion	Ratio	Lower	Upper
105	100		
120	48.1	14.9	74.9
119	11.5	0.0	40.8

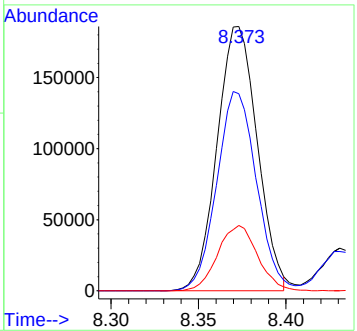


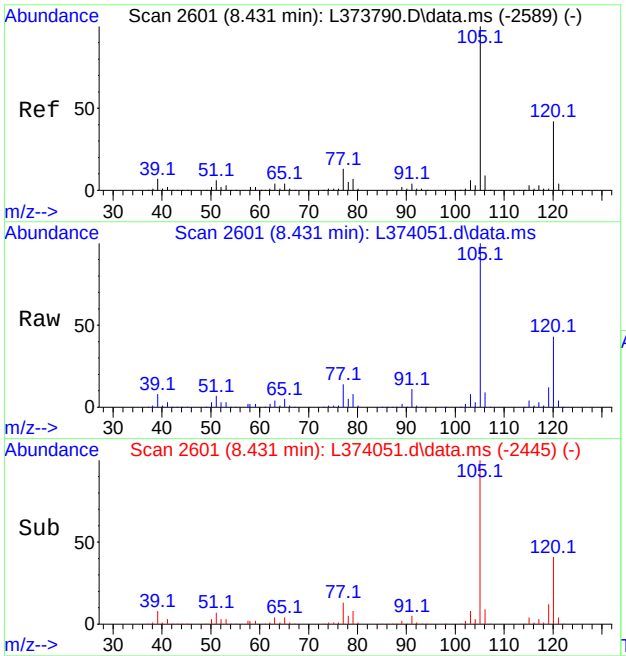


#106
tert-butylbenzene
Concen: 50.3315 ug/L
RT: 8.373 min Scan# 2583
Delta R.T. 0.000 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion:119 Resp: 297485

Ion	Ratio	Lower	Upper
119	100		
91	74.5	42.9	102.9
134	24.7	0.0	54.4

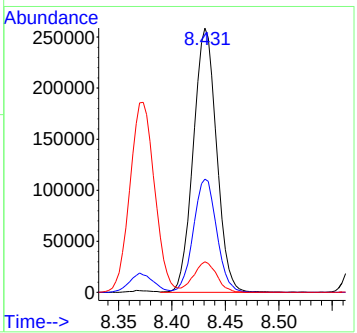


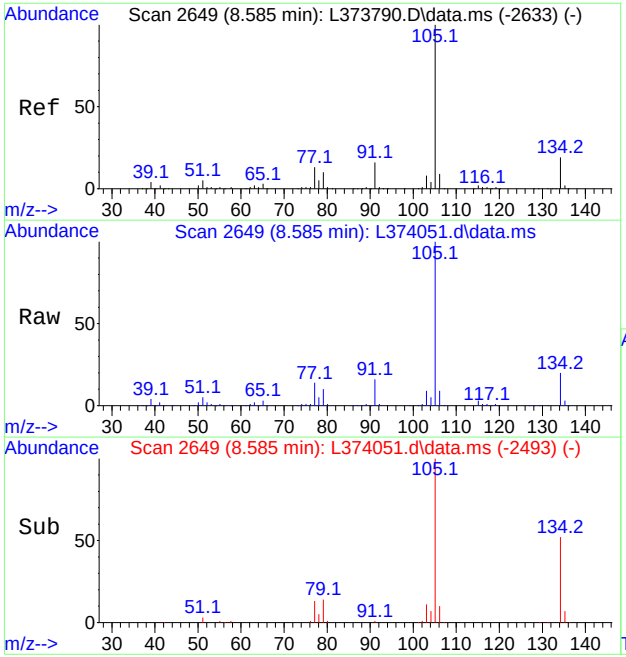


#107
1,2,4-trimethylbenzene
Concen: 51.7434 ug/L
RT: 8.431 min Scan# 2601
Delta R.T. -0.000 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion:105 Resp: 391639

Ion	Ratio	Lower	Upper
105	100		
120	42.8	13.1	73.1
119	11.6	0.0	41.9

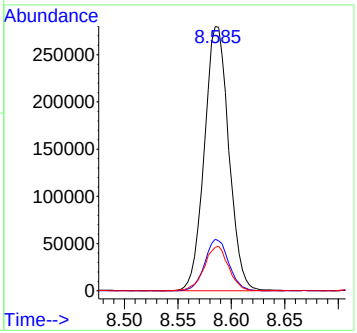


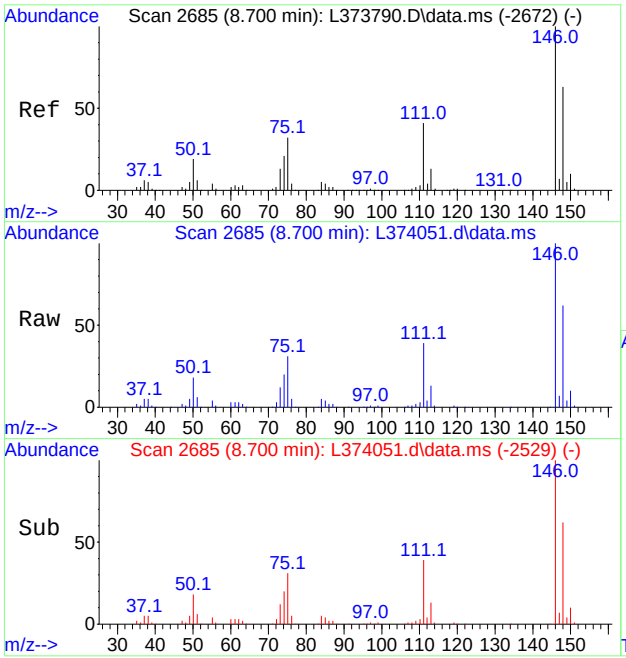


#108
sec-butylbenzene
Concen: 51.9184 ug/L
RT: 8.585 min Scan# 2649
Delta R.T. -0.000 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion:105 Resp: 445478

Ion	Ratio	Lower	Upper
105	100		
134	19.6	0.0	48.8
91	16.4	0.0	45.9

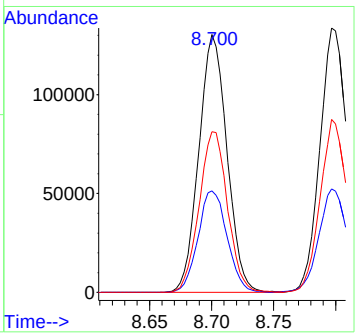


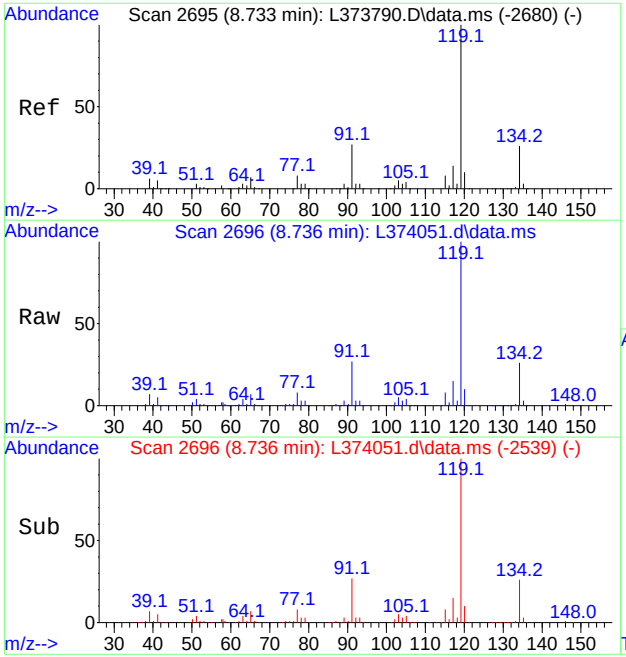


#109
1,3-dichlorobenzene
Concen: 49.9299 ug/L
RT: 8.700 min Scan# 2685
Delta R.T. 0.000 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion:146 Resp: 205663

Ion	Ratio	Lower	Upper
146	100		
111	39.4	11.0	71.0
148	62.3	33.0	93.0

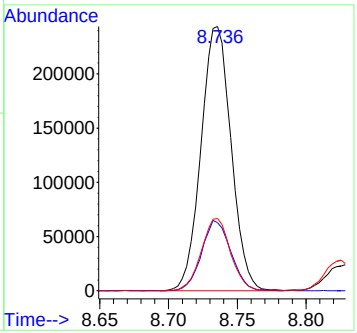


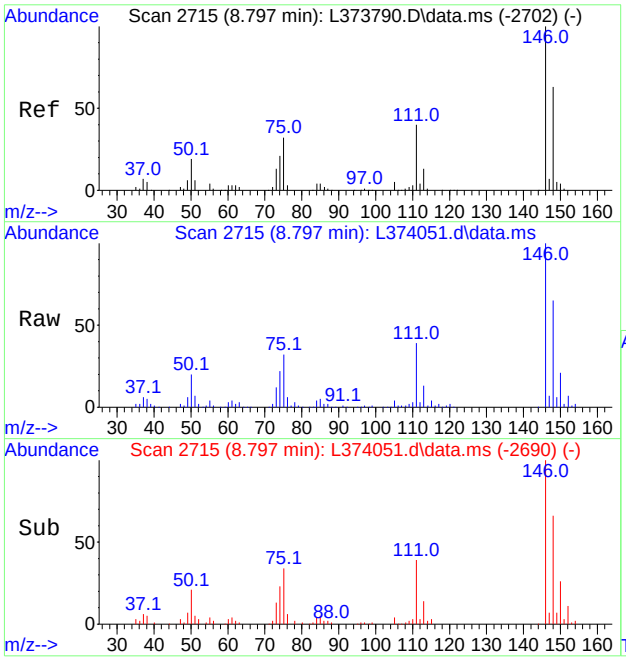


#110
p-isopropyltoluene
Concen: 52.4229 ug/L
RT: 8.736 min Scan# 2696
Delta R.T. 0.003 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion:119 Resp: 371867

Ion	Ratio	Lower	Upper
119	100		
134	25.8	0.0	56.5
91	27.3	0.0	56.9

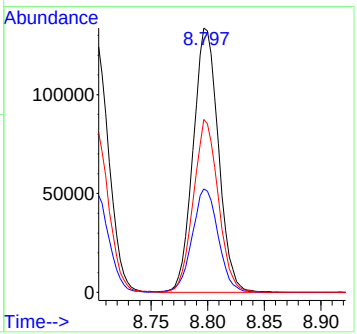


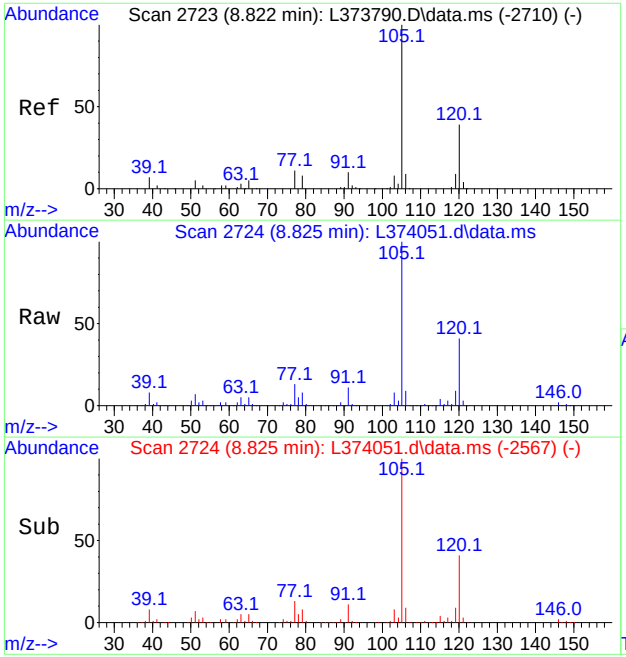


#111
1,4-dichlorobenzene
Concen: 48.7590 ug/L
RT: 8.797 min Scan# 2715
Delta R.T. -0.000 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion:146 Resp: 207479

Ion	Ratio	Lower	Upper
146	100		
111	39.1	9.7	69.7
148	65.4	33.0	93.0

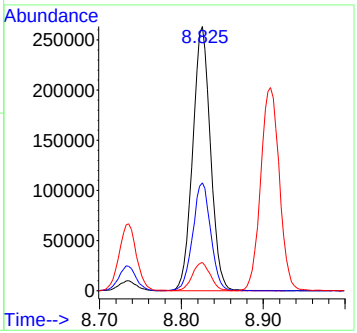


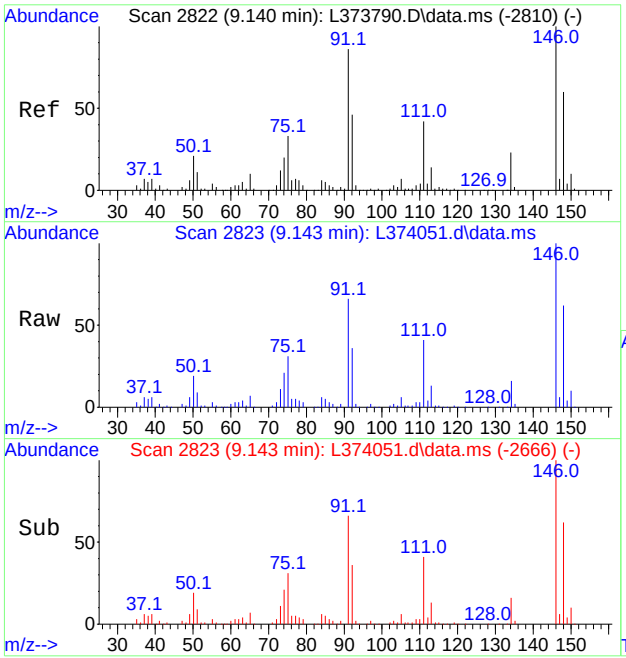


#112
1,2,3-trimethylbenzene
Concen: 49.7943 ug/L
RT: 8.825 min Scan# 2724
Delta R.T. 0.004 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion:105 Resp: 398153

Ion	Ratio	Lower	Upper
105	100		
120	40.8	8.8	68.8
91	10.5	0.0	40.2

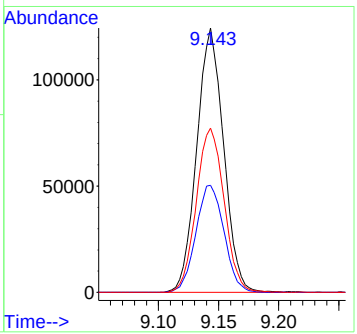


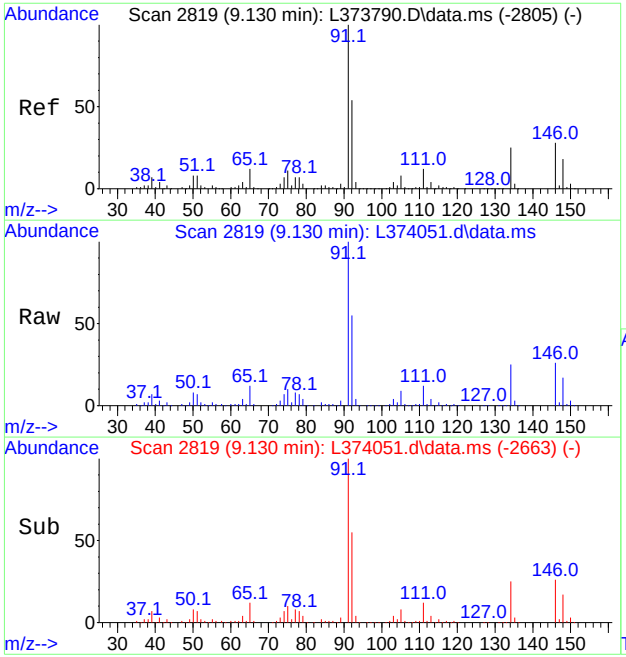


#113
1,2-dichlorobenzene
Concen: 48.9199 ug/L
RT: 9.143 min Scan# 2823
Delta R.T. 0.003 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion:146 Resp: 193568

Ion	Ratio	Lower	Upper
146	100		
111	40.5	12.1	72.1
148	62.1	30.4	90.4

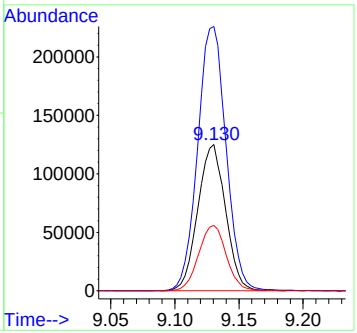


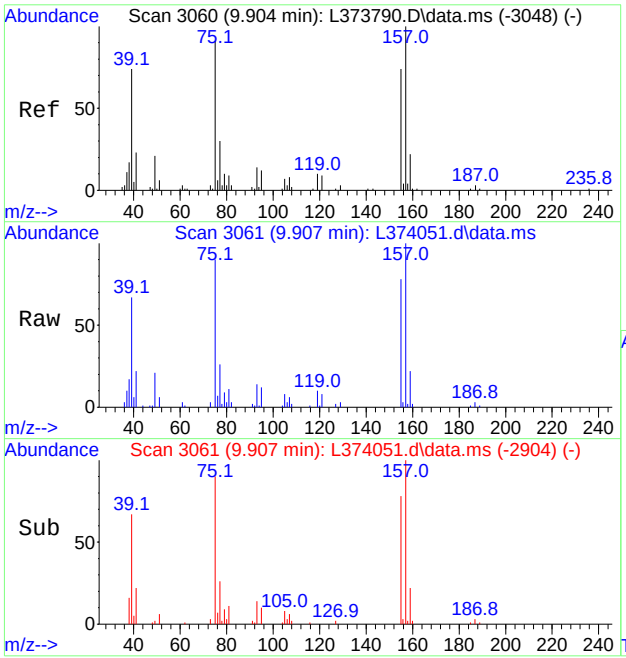


#114
n-butylbenzene
Concen: 53.2736 ug/L
RT: 9.130 min Scan# 2819
Delta R.T. 0.000 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 92 Resp: 188267

Ion	Ratio	Lower	Upper
92	100		
91	180.5	155.4	215.4
134	44.7	15.6	75.6

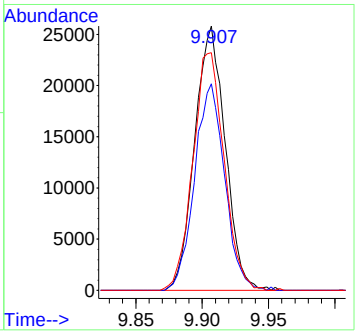


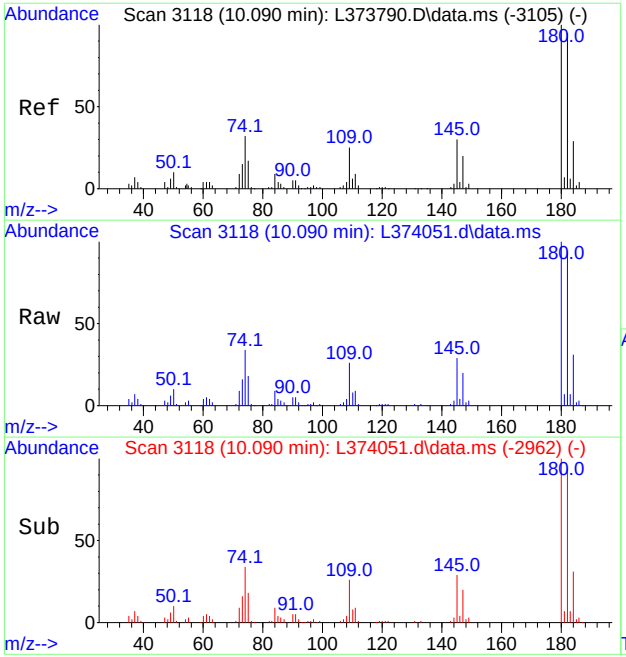


#115
1,2-dibromo-3-chloropropane
Concen: 45.4707 ug/L
RT: 9.907 min Scan# 3061
Delta R.T. 0.003 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion:157 Resp: 41326

Ion	Ratio	Lower	Upper
157	100		
155	78.1	44.1	104.1
75	89.9	60.9	120.9

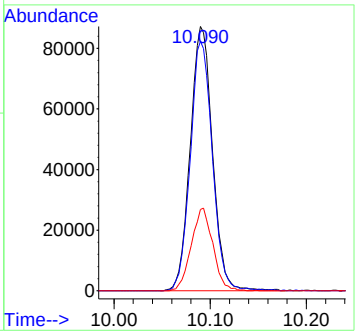


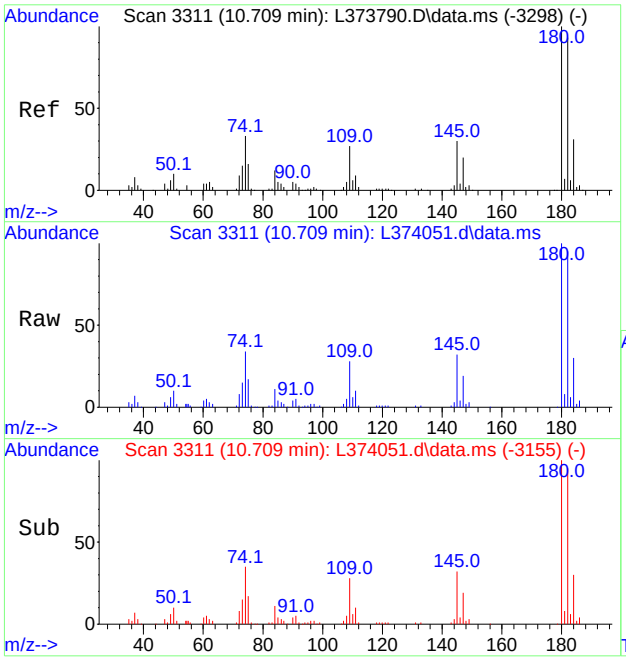


#116
1,3,5-trichlorobenzene
Concen: 55.0432 ug/L
RT: 10.090 min Scan# 3118
Delta R.T. -0.000 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion:180 Resp: 140167

Ion	Ratio	Lower	Upper
180	100		
182	94.3	65.0	125.0
184	30.8	0.0	59.4

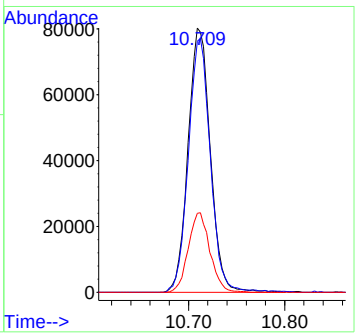


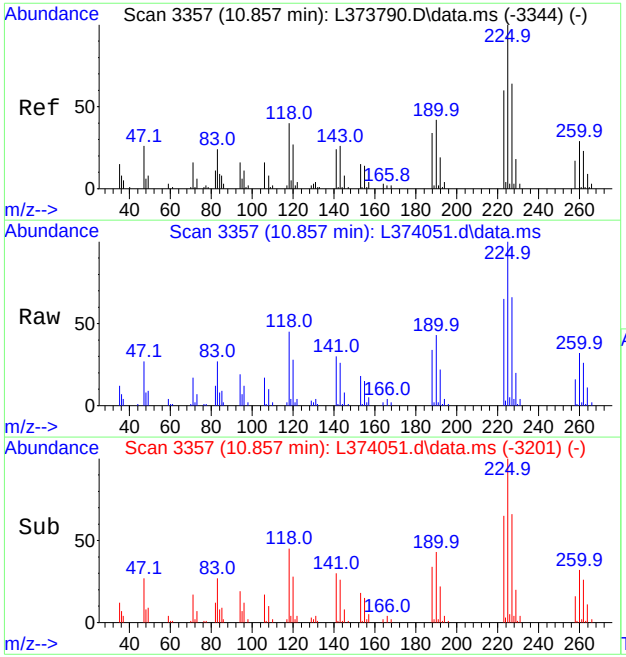


#117
1,2,4-trichlorobenzene
Concen: 57.5803 ug/L
RT: 10.709 min Scan# 3311
Delta R.T. 0.000 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion:180 Resp: 129230

Ion	Ratio	Lower	Upper
180	100		
182	94.9	63.1	123.1
184	29.9	0.8	60.8

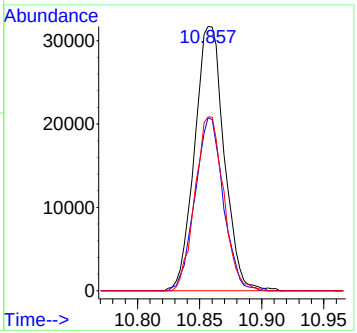


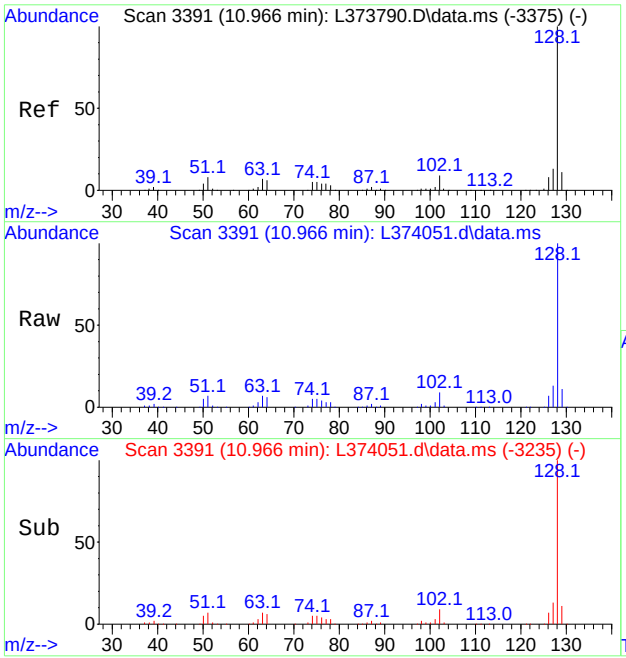


#118
hexachlorobutadiene
Concen: 62.1845 ug/L
RT: 10.857 min Scan# 3357
Delta R.T. -0.000 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion:225 Resp: 52446

Ion	Ratio	Lower	Upper
225	100		
223	65.4	30.0	90.0
227	65.8	33.8	93.8

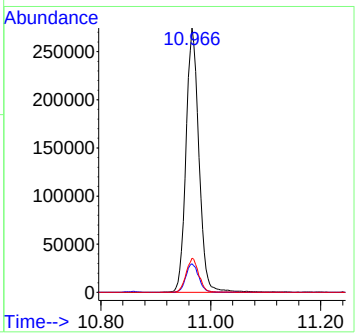


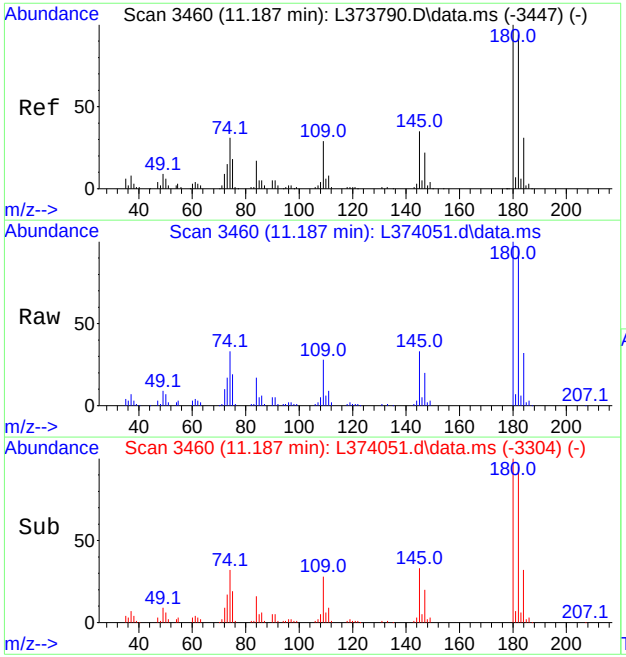


#119
naphthalene
Concen: 53.8989 ug/L
RT: 10.966 min Scan# 3391
Delta R.T. -0.000 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion:128 Resp: 448464

Ion	Ratio	Lower	Upper
128	100		
129	10.8	0.0	41.1
127	12.9	0.0	42.9

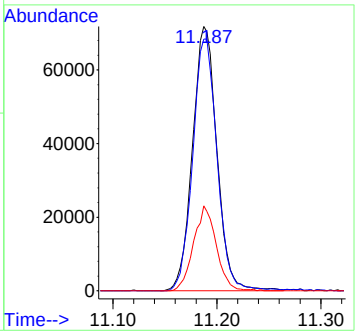


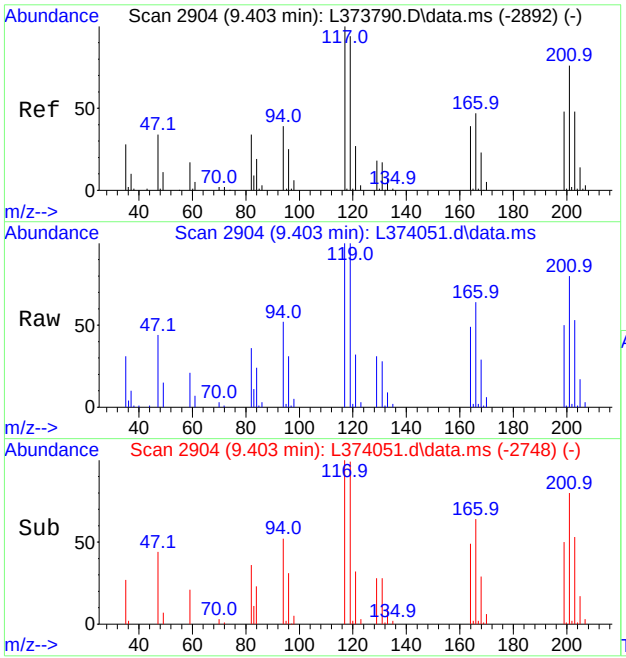


#120
1,2,3-trichlorobenzene
Concen: 54.9560 ug/L
RT: 11.187 min Scan# 3460
Delta R.T. 0.000 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion:180 Resp: 117535

Ion	Ratio	Lower	Upper
180	100		
182	95.1	63.9	123.9
184	32.1	1.2	61.2

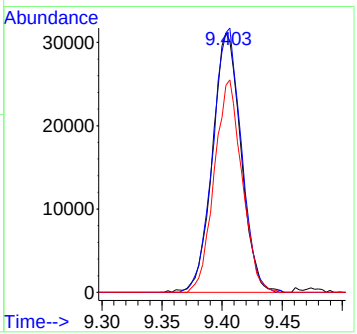


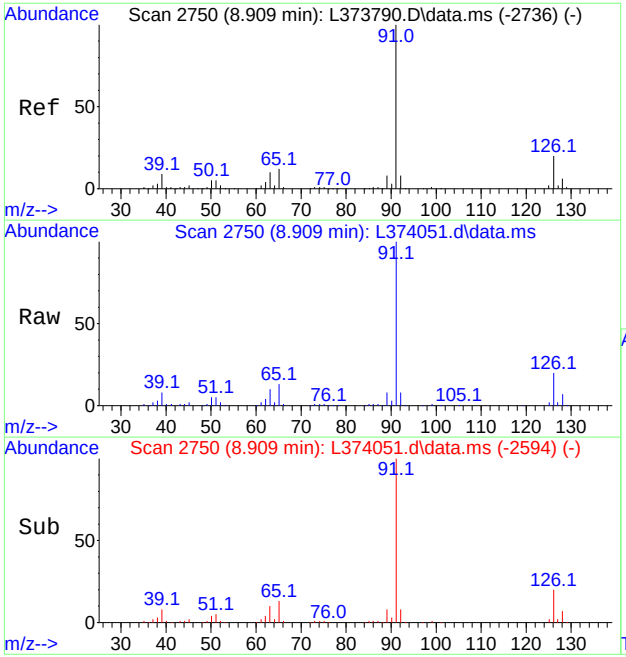


#121
hexachloroethane
Concen: 47.4380 ug/L
RT: 9.403 min Scan# 2904
Delta R.T. 0.000 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion:119 Resp: 51324

Ion	Ratio	Lower	Upper
119	100		
117	100.0	76.2	136.2
201	79.9	51.2	111.2

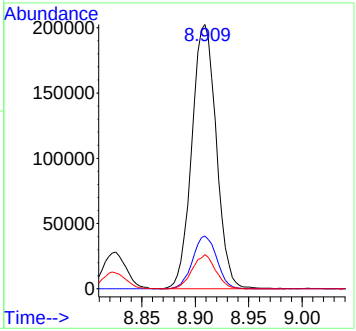


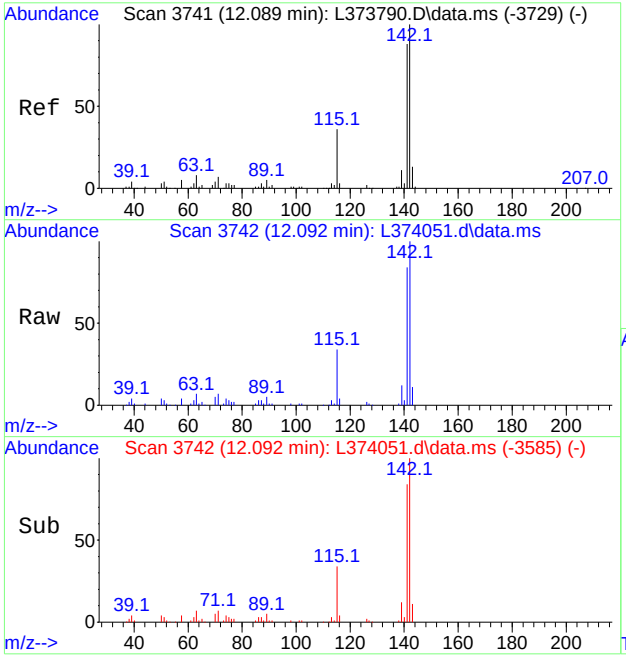


#122
benzyl chloride
Concen: 48.8524 ug/L
RT: 8.909 min Scan# 2750
Delta R.T. -0.000 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion: 91 Resp: 321602

Ion	Ratio	Lower	Upper
91	100		
126	20.0	0.0	49.8
65	13.0	0.0	41.8

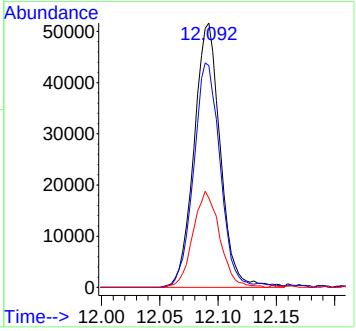




#123
2-methylnaphthalene
Concen: 25.2168 ug/L
RT: 12.092 min Scan# 3742
Delta R.T. 0.003 min
Lab File: L374051.d
Acq: 24 Oct 2025 5:56 pm

Tgt Ion:142 Resp: 80947

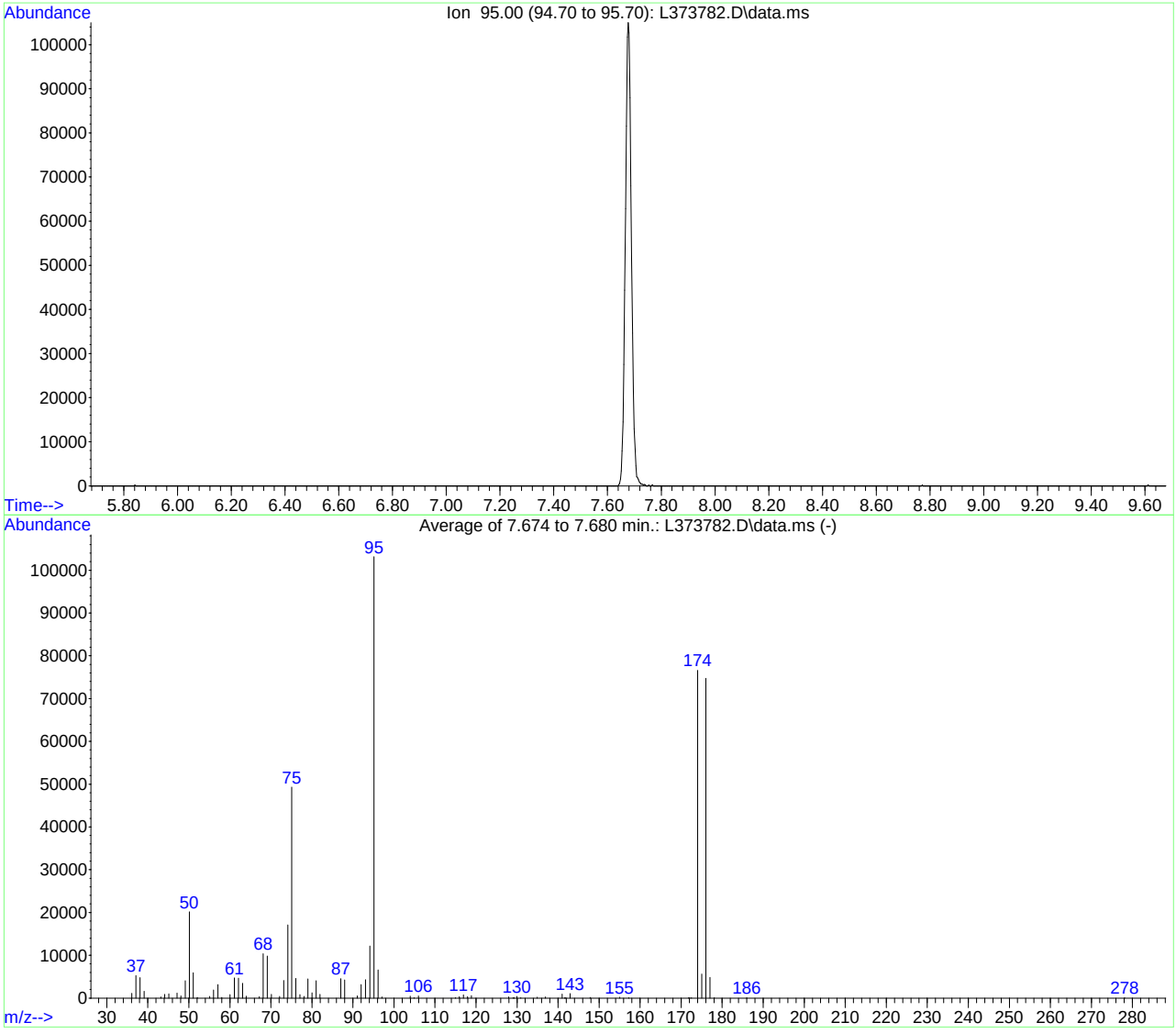
Ion	Ratio	Lower	Upper
142	100		
141	83.8	68.0	108.0
115	33.8	15.9	55.9



SW-846 Method 8260

Data File : C:\msdchem\1\data\Initials\VL11472\L373782.D Vial: 7
Acq On : 16 Oct 2025 5:06 pm Operator: BridgetK
Sample : bfb Inst : GCMSL
Misc : MS94818,VL11472,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\ML11472.M (RTE Integrator)
Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um



AutoFind: Scans 2365, 2366, 2367; Background Corrected with Scan 2352

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.6	20173	PASS
75	95	30	60	47.8	49285	PASS
95	95	100	100	100.0	103136	PASS
96	95	5	9	6.4	6587	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	74.3	76611	PASS
175	174	5	9	7.3	5615	PASS
176	174	95	101	97.5	74720	PASS
177	176	5	9	6.5	4838	PASS

L373782.D ML11472.M Fri Oct 17 09:13:00 2025

Average of 7.674 to 7.680 min.: L373782.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.10	1136	51.10	5932	67.15	319	79.00	4464
37.10	5279	52.10	171	68.10	10374	80.00	1249
38.10	4789	55.05	368	69.10	9849	81.00	4073
39.10	1611	56.05	1890	70.10	890	81.95	896
43.15	267	57.10	3154	72.10	408	87.05	4561
44.10	880	58.05	141	73.10	4147	88.00	4255
45.10	984	60.05	822	74.10	17123	91.05	490
47.10	1201	61.10	4696	75.10	49285	92.00	3140
48.05	542	62.10	4655	76.10	4582	93.05	4288
49.10	4033	63.10	3476	77.05	832	94.10	12155
50.10	20173	64.00	426	78.05	367	95.10	103136

Average of 7.674 to 7.680 min.: L373782.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
96.10	6587	129.00	79	155.00	207	278.10	70
97.05	280	129.30	71	157.20	73		
103.95	469	129.95	382	171.80	70		
104.90	81	130.90	69	172.10	95		
105.95	516	134.90	189	172.50	86		
115.00	68	136.95	296	174.00	76611		
115.95	361	141.00	939	175.00	5615		
116.95	764	141.60	73	176.00	74720		
117.95	358	141.90	73	177.00	4838		
118.90	596	142.95	1032	178.10	68		
127.95	301	147.85	151	186.00	67		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373783.D
Acq On : 16 Oct 2025 6:00 pm
Operator : BridgetK
Sample : ic11472-0.2
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 17 09:44:47 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 09:34:59 2025
Response via : Initial Calibration

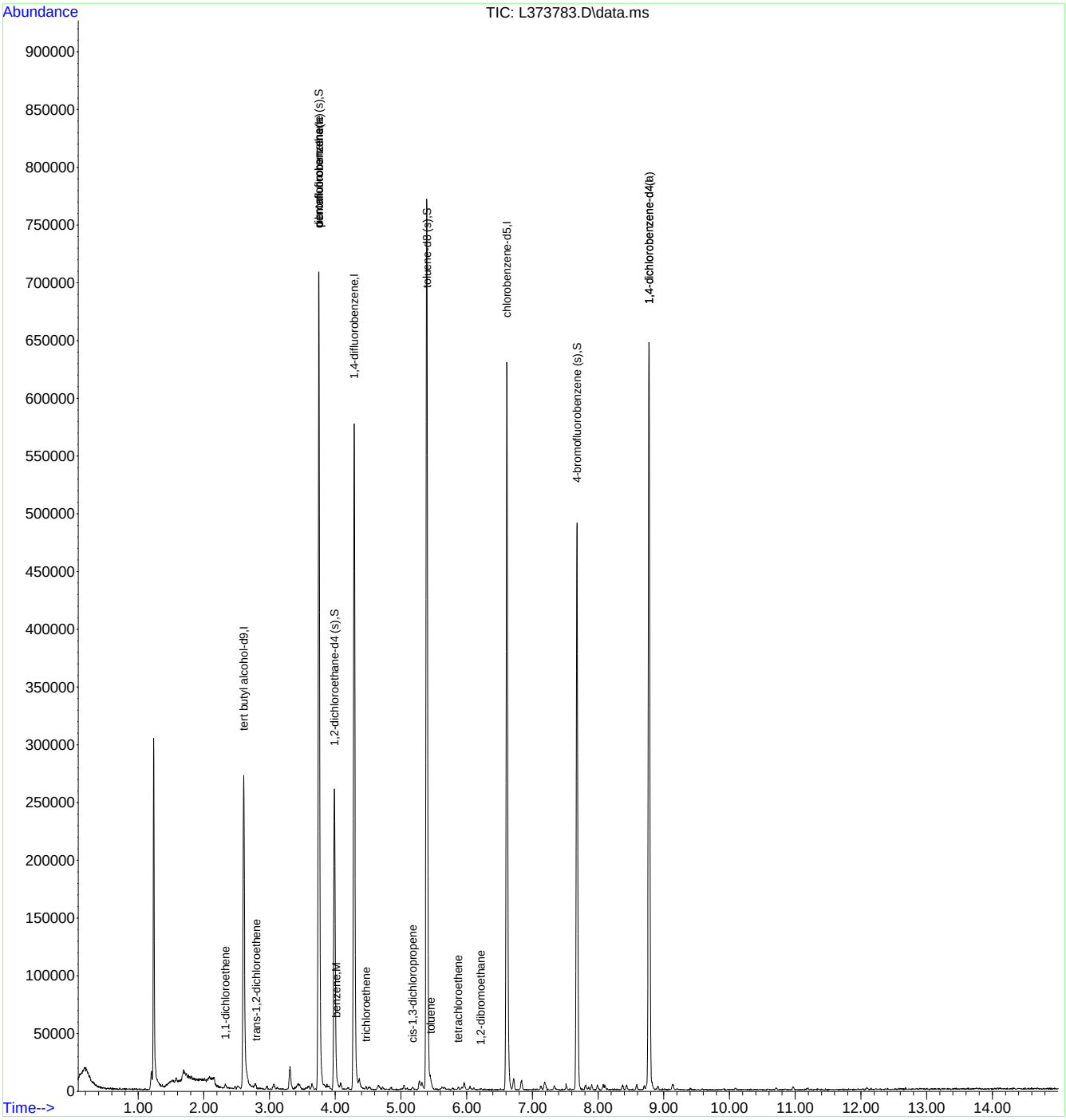
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	2.607	65	265523	500.00	ug/L	0.00
5) pentafluorobenzene	3.752	168	239692	50.00	ug/L	0.00
51) 1,4-difluorobenzene	4.288	114	384499	50.00	ug/L	0.00
72) chlorobenzene-d5	6.612	117	316291	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	8.778	152	156814	50.00	ug/L	0.00
124) pentafluorobenzene(a)	3.752	168	239692	50.00	ug/L	0.00
131) 1,4-dichlorobenzene-d4(a)	8.778	152	156814	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	3.749	113	125618	50.12	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.24%			
52) 1,2-dichloroethane-d4 (s)	3.990	65	143243	52.74	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 105.48%			
73) toluene-d8 (s)	5.395	98	455329	49.48	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.96%			
97) 4-bromofluorobenzene (s)	7.677	95	165822	48.45	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 96.90%			
Target Compounds						Qvalue
17) 1,1-dichloroethene	2.328	96	480	0.2021	ug/L #	76
26) trans-1,2-dichloroethene	2.799	96	514	0.1926	ug/L #	76
56) benzene	4.016	78	2426	0.2429	ug/L	97
59) trichloroethene	4.468	95	594	0.2235	ug/L #	71
68) cis-1,3-dichloropropene	5.177	75	939	0.2276	ug/L	81
74) toluene	5.453	92	1566	0.2423	ug/L	96
79) tetrachloroethene	5.867	166	578	0.2170	ug/L	78
83) 1,2-dibromoethane	6.214	107	607	0.2262	ug/L	76

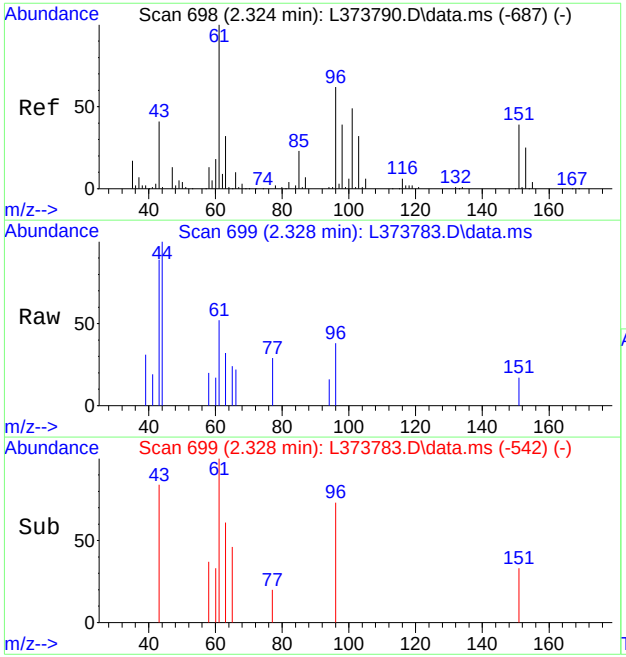
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373783.D
Acq On : 16 Oct 2025 6:00 pm
Operator : BridgetK
Sample : ic11472-0.2
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 17 09:44:47 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 09:34:59 2025
Response via : Initial Calibration

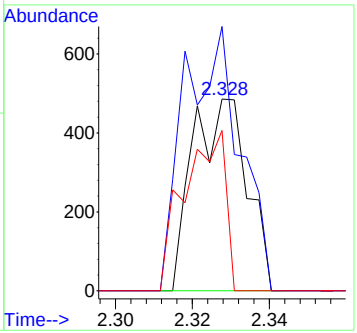


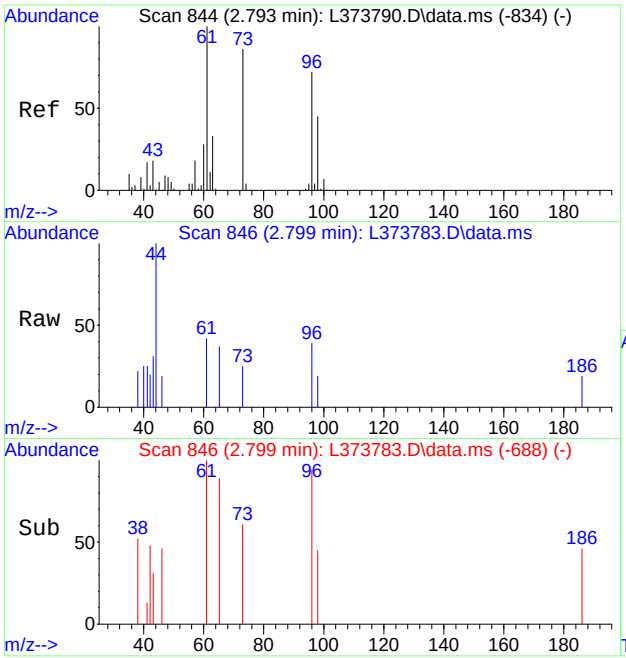


#17
1,1-dichloroethene
Concen: 0.20 ug/L
RT: 2.328 min Scan# 699
Delta R.T. 0.003 min
Lab File: L373783.D
Acq: 16 Oct 2025 6:00 pm

Tgt Ion: 96 Resp: 480

Ion	Ratio	Lower	Upper
96	100		
61	137.9	131.4	191.4
63	83.5	22.3	82.3#

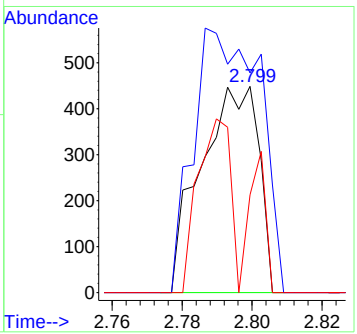


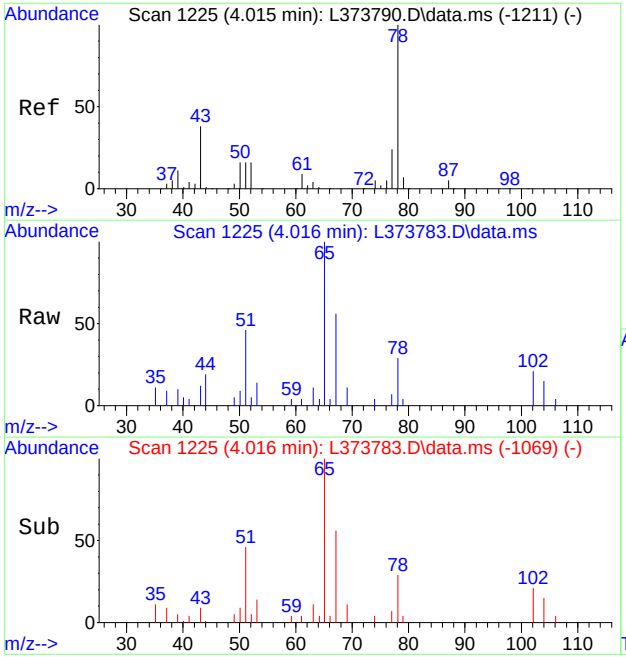


#26
trans-1,2-dichloroethene
Concen: 0.19 ug/L
RT: 2.799 min Scan# 846
Delta R.T. 0.007 min
Lab File: L373783.D
Acq: 16 Oct 2025 6:00 pm

Tgt Ion: 96 Resp: 514

Ion	Ratio	Lower	Upper
96	100		
61	106.5	109.1	169.1#
98	47.4	32.0	92.0

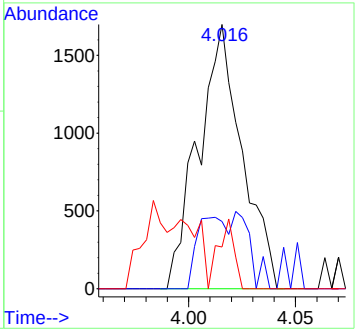


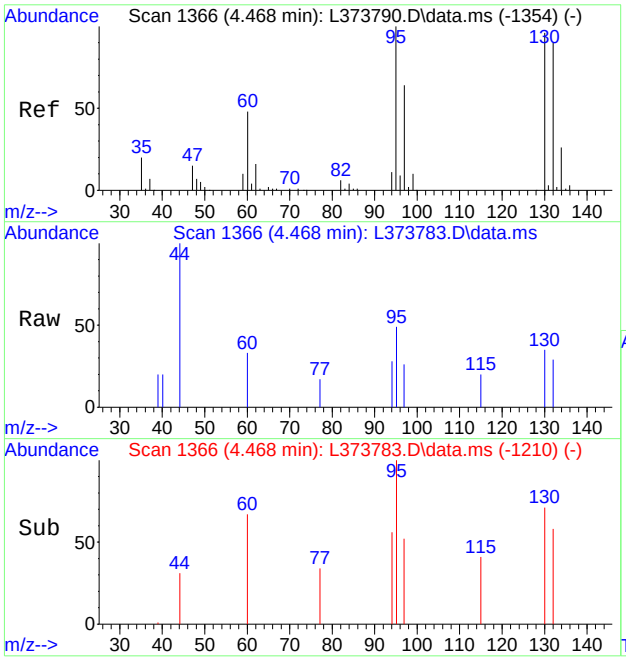


#56
benzene
Concen: 0.24 ug/L
RT: 4.016 min Scan# 1225
Delta R.T. 0.000 min
Lab File: L373783.D
Acq: 16 Oct 2025 6:00 pm

Tgt Ion: 78 Resp: 2426

Ion	Ratio	Lower	Upper
78	100		
77	25.5	0.0	53.5
52	15.8	0.0	46.2

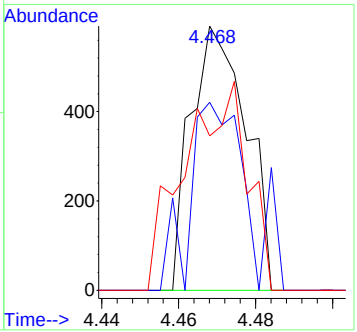


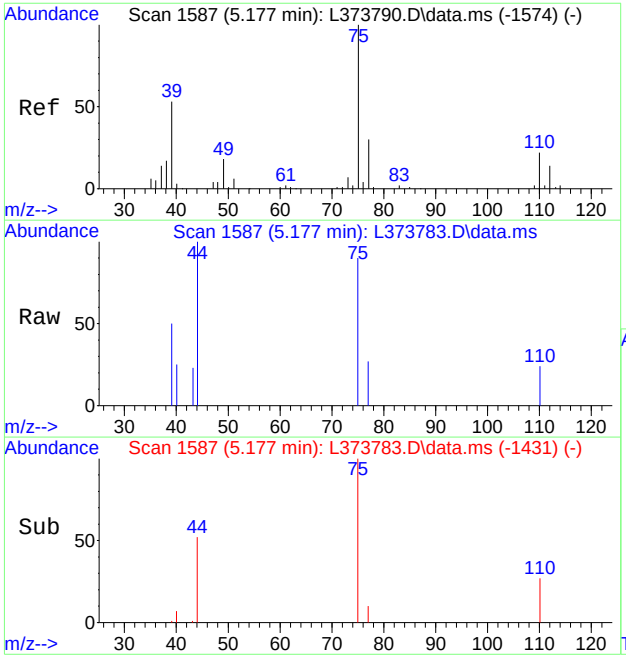


#59
trichloroethene
Concen: 0.22 ug/L
RT: 4.468 min Scan# 1366
Delta R.T. 0.000 min
Lab File: L373783.D
Acq: 16 Oct 2025 6:00 pm

Tgt Ion: 95 Resp: 594

Ion	Ratio	Lower	Upper
95	100		
130	71.1	65.5	125.5
132	58.4	59.7	119.7#

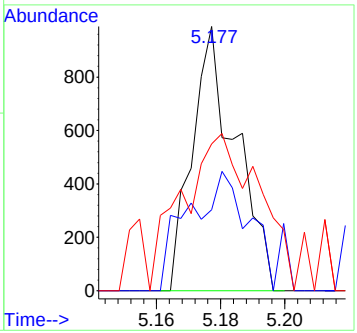


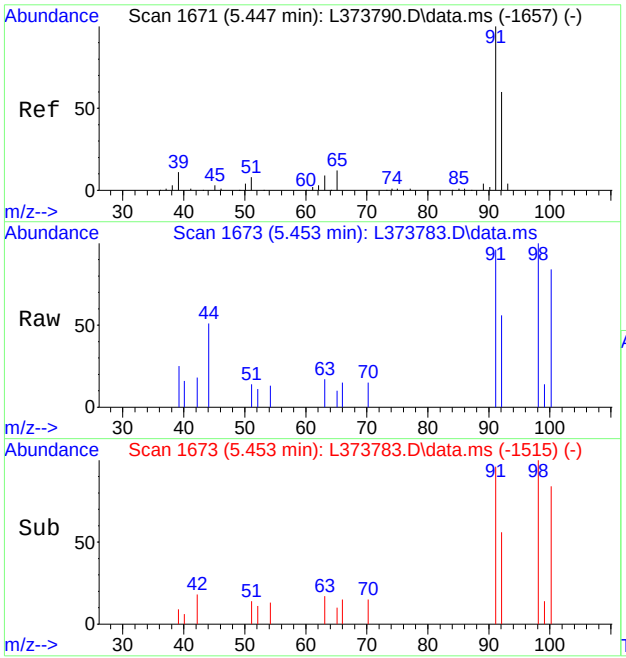


#68
cis-1,3-dichloropropene
Concen: 0.23 ug/L
RT: 5.177 min Scan# 1587
Delta R.T. 0.000 min
Lab File: L373783.D
Acq: 16 Oct 2025 6:00 pm

Tgt Ion: 75 Resp: 939

Ion	Ratio	Lower	Upper
75	100		
77	30.6	0.1	60.1
39	32.4	23.1	83.1

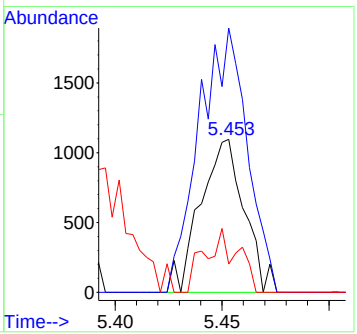


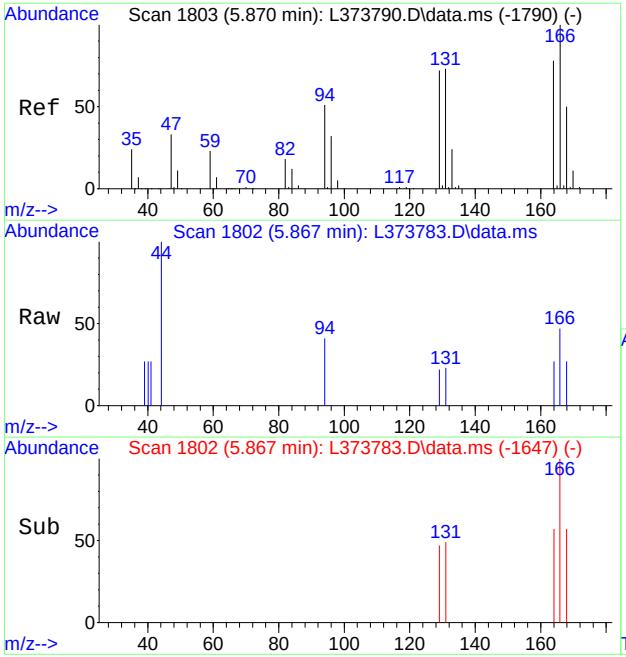


#74
toluene
Concen: 0.24 ug/L
RT: 5.453 min Scan# 1673
Delta R.T. 0.007 min
Lab File: L373783.D
Acq: 16 Oct 2025 6:00 pm

Tgt Ion: 92 Resp: 1566

Ion	Ratio	Lower	Upper
92	100		
91	172.7	136.7	196.7
65	18.5	0.0	50.8

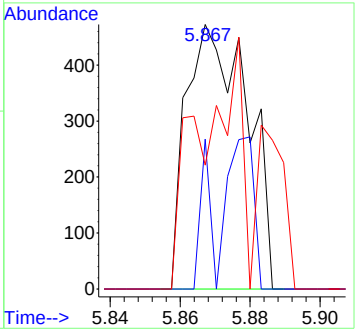


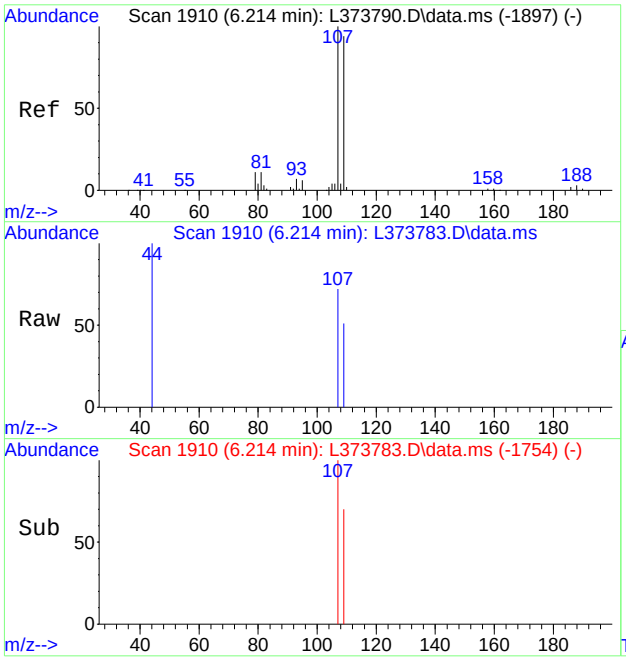


#79
tetrachloroethene
Concen: 0.22 ug/L
RT: 5.867 min Scan# 1802
Delta R.T. -0.003 min
Lab File: L373783.D
Acq: 16 Oct 2025 6:00 pm

Tgt Ion:166 Resp: 578

Ion	Ratio	Lower	Upper
166	100		
168	56.7	19.7	79.7
129	46.7	42.4	102.4

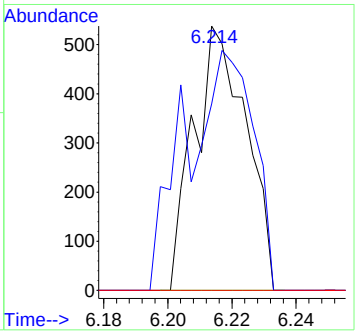




#83
1,2-dibromoethane
Concen: 0.23 ug/L
RT: 6.214 min Scan# 1910
Delta R.T. 0.000 min
Lab File: L373783.D
Acq: 16 Oct 2025 6:00 pm

Tgt Ion:107 Resp: 607

Ion	Ratio	Lower	Upper
107	100		
109	70.4	63.9	123.9
188	0.0	0.0	33.4



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 10/20/25 12:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373784.D
Acq On : 16 Oct 2025 6:25 pm
Operator : BridgetK
Sample : ic11472-0.5
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 17 09:53:01 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 09:45:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	2.610	65	256579	500.00	ug/L	0.00
5) pentafluorobenzene	3.756	168	234304	50.00	ug/L	0.00
51) 1,4-difluorobenzene	4.295	114	372718	50.00	ug/L	0.00
72) chlorobenzene-d5	6.615	117	302057	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	8.777	152	146155	50.00	ug/L	0.00
124) pentafluorobenzene(a)	3.756	168	234304	50.00	ug/L	0.00
131) 1,4-dichlorobenzene-d4(a)	8.777	152	146155	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	3.756	113	121393	49.49	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.98%			
52) 1,2-dichloroethane-d4 (s)	3.993	65	136658	50.52	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 101.04%			
73) toluene-d8 (s)	5.399	98	421149	48.17	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 96.34%			
97) 4-bromofluorobenzene (s)	7.680	95	157643	50.20	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.40%			
Target Compounds						Qvalue
6) chlorodifluoromethane	1.368	51	1753	0.5070	ug/L	95
7) dichlorodifluoromethane	1.352	85	1611	0.4207	ug/L	79
8) chloromethane	1.480	50	2000	0.6001	ug/L	91
9) vinyl chloride	1.554	62	1757	0.5248	ug/L	95
10) 1,3-butadiene	1.580	54	1601	0.5276	ug/L	93
12) chloroethane	1.846	64	742	0.5399	ug/L	53
13) trichlorofluoromethane	2.000	101	2005	0.4407	ug/L	78
14) ethyl ether	2.164	74	687	0.4773	ug/L #	59
17) 1,1-dichloroethene	2.328	96	975	0.4178	ug/L	93
18) acetone	2.344	58	996	2.2790	ug/L #	50
22) carbon disulfide	2.478	76	3479	0.4986	ug/L	87
23) methylene chloride	2.629	84	1505	0.5613	ug/L #	67
25) methyl tert butyl ether	2.783	73	2959	0.3713	ug/L	92
26) trans-1,2-dichloroethene	2.799	96	1135	0.4433	ug/L	88
27) hexane	2.966	57	1456	0.4172	ug/L #	81
28) di-isopropyl ether	3.075	45	3386	0.4140	ug/L	92
29) ethyl tert-butyl ether	3.310	59	3601	0.4222	ug/L	92
30) 2-butanone	3.415	72	882	1.4597	ug/L #	27
31) 1,1-dichloroethane	3.082	63	2198	0.4516	ug/L	87
36) 2,2-dichloropropane	3.451	77	2114	0.4914	ug/L	82
37) cis-1,2-dichloroethene	3.438	96	1238	0.4358	ug/L #	80
38) propionitrile	3.464	54	3839	5.0889	ug/L	94
40) bromochloromethane	3.595	128	465	0.3786	ug/L #	70
45) 1,1,1-trichloroethane	3.778	97	2147	0.4896	ug/L #	1
47) 1,1-dichloropropene	3.877	75	1457	0.3859	ug/L	76
53) tert-amyl methyl ether	4.086	73	3343	0.4429	ug/L	97
54) 2,2,4-trimethylpentane	4.080	57	2599	0.4427	ug/L #	66
56) benzene	4.022	78	4762	0.4442	ug/L	89
58) 1,2-dichloroethane	4.048	62	1925	0.5349	ug/L	91
59) trichloroethene	4.471	95	956	0.3505	ug/L	98
62) 2-chloroethyl vinyl ether	5.049	63	2118	2.5775	ug/L	83
64) 1,2-dichloropropane	4.660	63	1281	0.5152	ug/L #	36
65) methylcyclohexane	4.654	83	1493	0.4046	ug/L	72
66) dibromomethane	4.728	93	853	0.5103	ug/L	97
67) bromodichloromethane	4.850	83	1773	0.5145	ug/L	85
68) cis-1,3-dichloropropene	5.180	75	1955	0.4573	ug/L	82
70) 4-methyl-2-pentanone	5.286	58	3142	2.0992	ug/L #	74
74) toluene	5.453	92	3112	0.4559	ug/L #	78

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373784.D
Acq On : 16 Oct 2025 6:25 pm
Operator : BridgetK
Sample : ic11472-0.5
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 17 09:53:01 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 09:45:21 2025
Response via : Initial Calibration

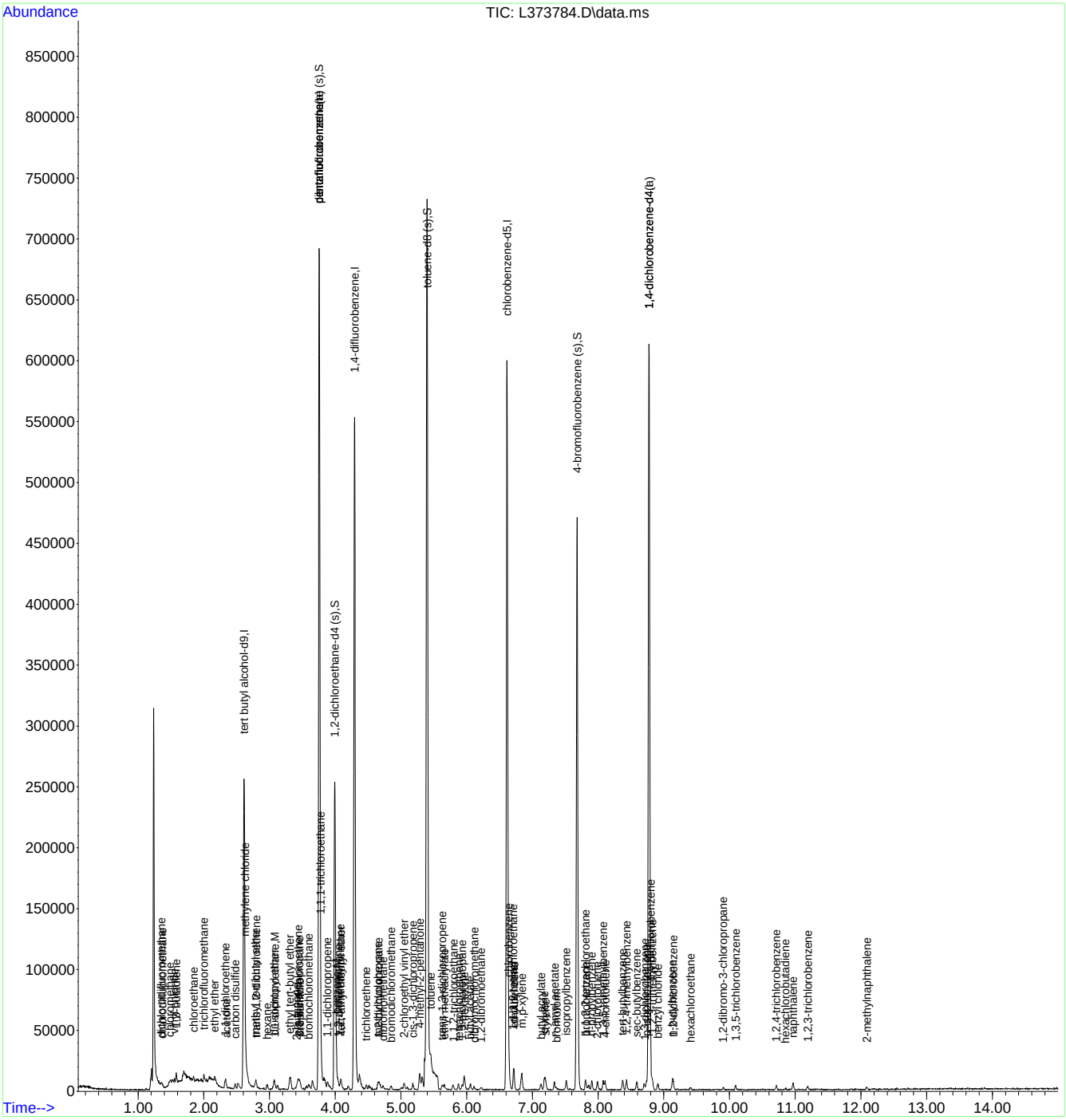
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
75) trans-1,3-dichloropropene	5.626	75	1792	0.4464 ug/L	75
76) ethyl methacrylate	5.658	69	2146	0.5747 ug/L	81
77) 1,1,2-trichloroethane	5.800	83	949m	0.4570 ug/L	
78) 2-hexanone	5.963	58	3461	2.0762 ug/L	96
79) tetrachloroethene	5.880	166	1192m	0.4495 ug/L	
80) 1,3-dichloropropane	5.928	76	1876	0.4643 ug/L	63
81) butyl acetate	6.053	56	1249	0.5722 ug/L #	79
82) dibromochloromethane	6.117	129	1430	0.5462 ug/L #	60
83) 1,2-dibromoethane	6.220	107	1038	0.3801 ug/L	78
84) n-butyl ether	6.714	57	5296	0.5172 ug/L	98
85) chlorobenzene	6.640	112	3273	0.5198 ug/L	88
86) 1,1,1,2-tetrachloroethane	6.708	131	978	0.4194 ug/L	75
87) ethylbenzene	6.724	91	5607	0.4932 ug/L	96
88) m,p-xylene	6.843	106	4478	1.0386 ug/L	86
89) o-xylene	7.183	106	2123	0.5103 ug/L #	80
90) butyl acrylate	7.135	55	3555	0.6139 ug/L	93
91) styrene	7.202	104	3408	0.4769 ug/L	87
92) bromoform	7.369	173	996	0.5228 ug/L	81
93) n-amyl acetate	7.337	70	1209	0.5517 ug/L #	57
94) isopropylbenzene	7.516	105	5192	0.5011 ug/L	93
98) bromobenzene	7.812	156	1246	0.4808 ug/L	97
99) 1,1,2,2-tetrachloroethane	7.808	83	1868	0.4935 ug/L	77
102) n-propylbenzene	7.905	91	6140	0.4787 ug/L	95
103) 2-chlorotoluene	7.988	126	1138	0.4633 ug/L #	45
104) 4-chlorotoluene	8.110	126	1305	0.5101 ug/L #	71
105) 1,3,5-trimethylbenzene	8.078	105	4131	0.4583 ug/L	95
106) tert-butylbenzene	8.373	119	3463	0.5014 ug/L	95
107) 1,2,4-trimethylbenzene	8.434	105	3975	0.4389 ug/L	83
108) sec-butylbenzene	8.588	105	4885	0.4688 ug/L	95
109) 1,3-dichlorobenzene	8.710	146	2434	0.5133 ug/L	81
110) p-isopropyltoluene	8.736	119	4037	0.4685 ug/L	80
111) 1,4-dichlorobenzene	8.800	146	2622	0.5460 ug/L	99
112) 1,2,3-trimethylbenzene	8.826	105	4751	0.5080 ug/L	92
113) 1,2-dichlorobenzene	9.143	146	2075	0.4518 ug/L	86
114) n-butylbenzene	9.127	92	1768	0.4078 ug/L	86
115) 1,2-dibromo-3-chloropr...	9.901	157	444	0.4250 ug/L	88
116) 1,3,5-trichlorobenzene	10.093	180	1386	0.4475 ug/L #	61
117) 1,2,4-trichlorobenzene	10.709	180	1153	0.4244 ug/L	90
118) hexachlorobutadiene	10.850	225	408	0.3969 ug/L #	54
119) naphthalene	10.966	128	4609	0.4654 ug/L	95
120) 1,2,3-trichlorobenzene	11.191	180	1275	0.5063 ug/L #	73
121) hexachloroethane	9.406	119	536	0.3863 ug/L #	68
122) benzyl chloride	8.909	91	3876	0.5079 ug/L	89
123) 2-methylnaphthalene	12.092	142	905	0.2393 ug/L	89

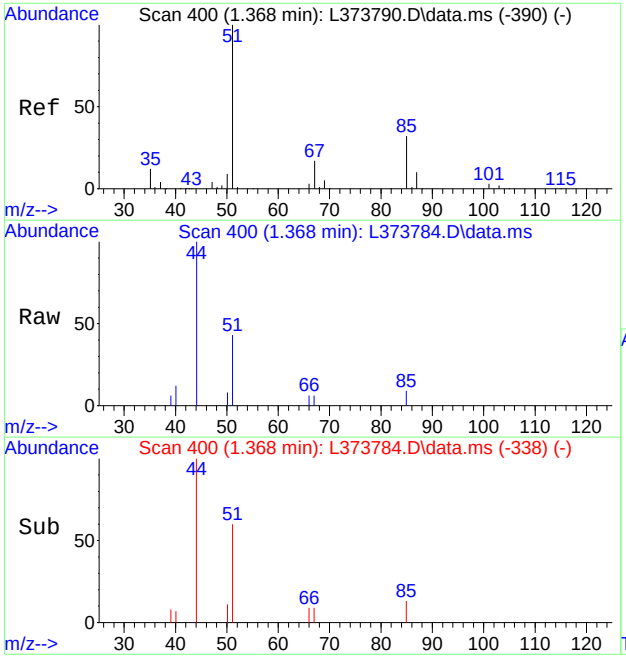
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373784.D
Acq On : 16 Oct 2025 6:25 pm
Operator : BridgetK
Sample : ic11472-0.5
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 17 09:53:01 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 09:45:21 2025
Response via : Initial Calibration

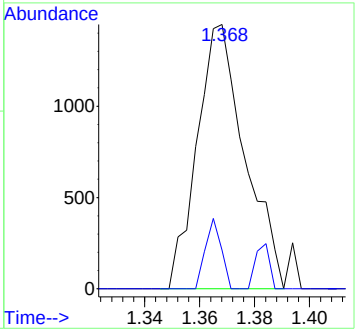


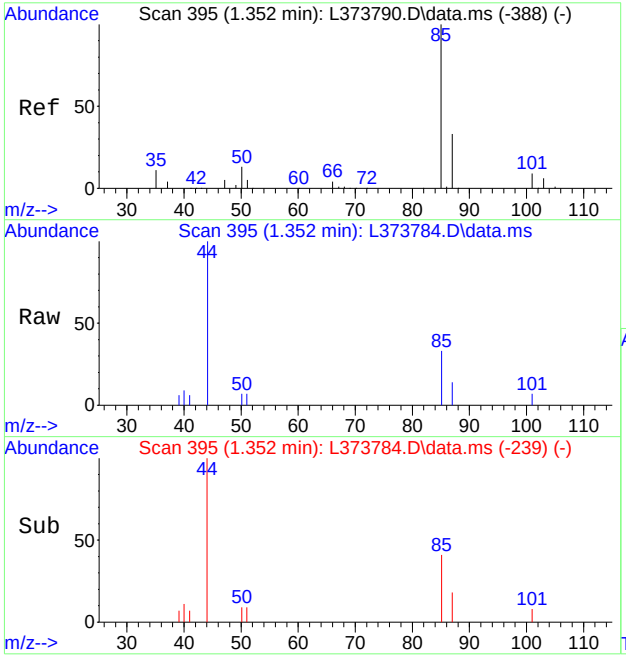


#6
chlorodifluoromethane
Concen: 0.51 ug/L
RT: 1.368 min Scan# 400
Delta R.T. 0.000 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 51 Resp: 1753

Ion	Ratio	Lower	Upper
51	100		
67	14.7	0.0	37.0

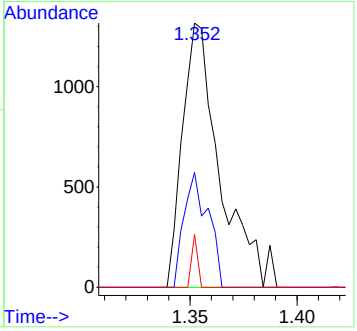


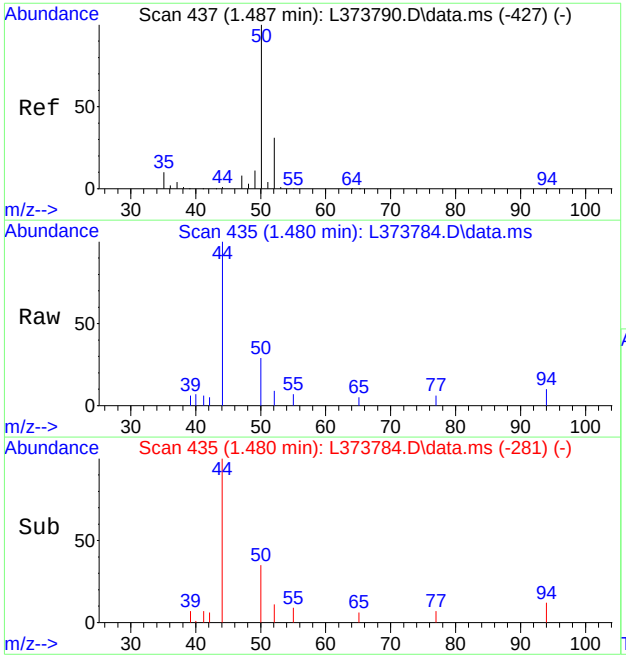


#7
dichlorodifluoromethane
Concen: 0.42 ug/L
RT: 1.352 min Scan# 395
Delta R.T. 0.000 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 85 Resp: 1611

Ion	Ratio	Lower	Upper
85	100		
87	43.5	2.8	62.8
101	20.0	0.0	38.9

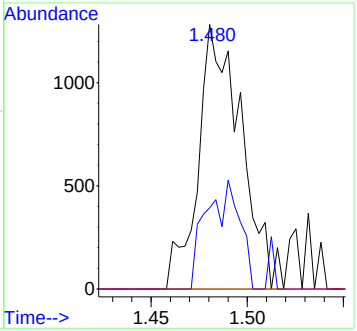


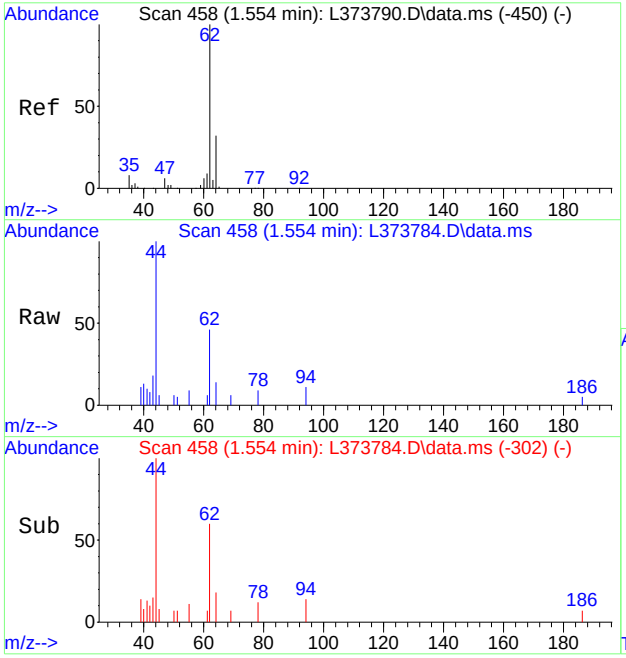


#8
chloromethane
Concen: 0.60 ug/L
RT: 1.480 min Scan# 435
Delta R.T. -0.006 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 50 Resp: 2000

Ion	Ratio	Lower	Upper
50	100		
52	30.6	1.5	61.5
49	0.0	0.0	41.1

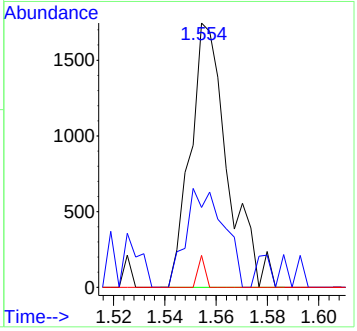


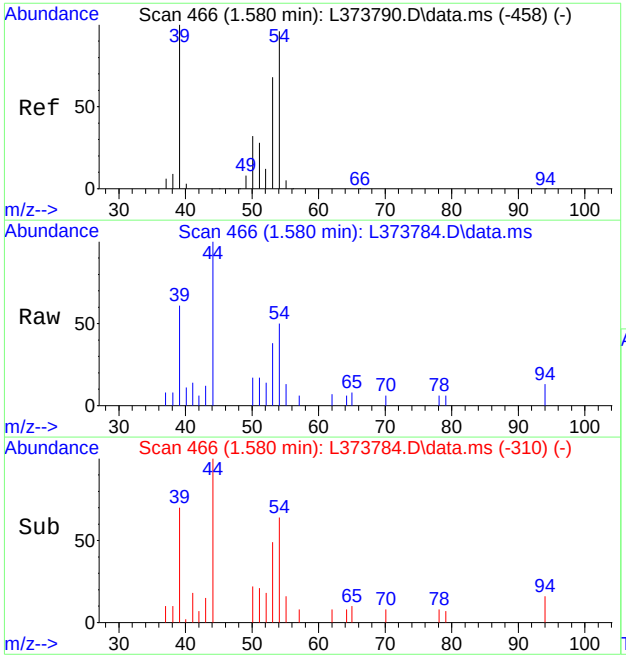


#9
vinyl chloride
Concen: 0.52 ug/L
RT: 1.554 min Scan# 458
Delta R.T. 0.000 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 62 Resp: 1757

Ion	Ratio	Lower	Upper
62	100		
64	30.2	2.2	62.2
61	12.1	0.0	38.5

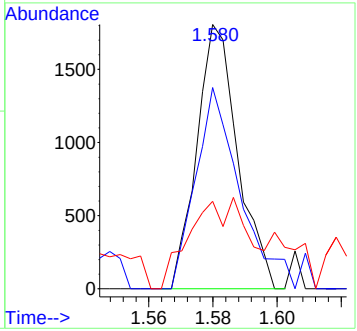


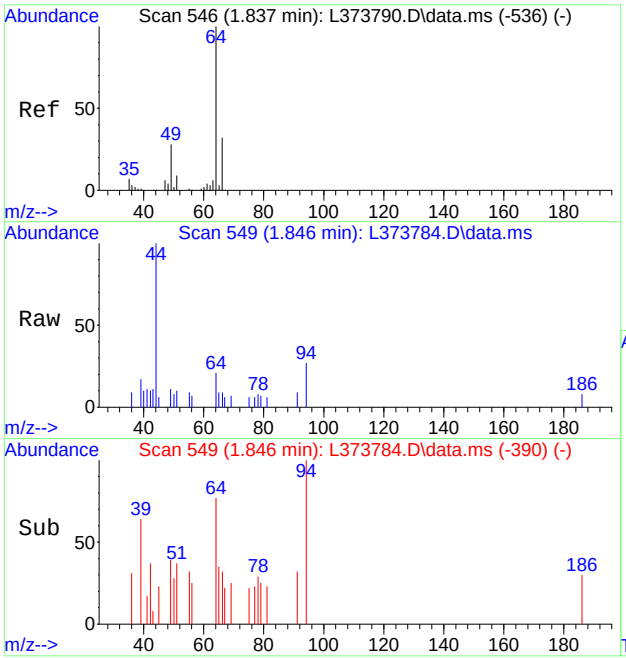


#10
1,3-butadiene
Concen: 0.53 ug/L
RT: 1.580 min Scan# 466
Delta R.T. 0.000 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 54 Resp: 1601

Ion	Ratio	Lower	Upper
54	100		
53	76.2	40.7	100.7
51	33.1	0.0	59.5

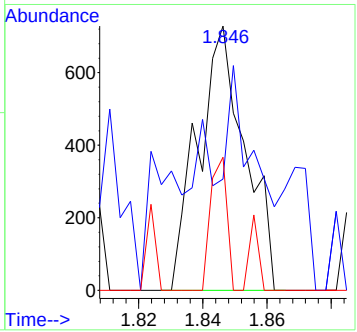


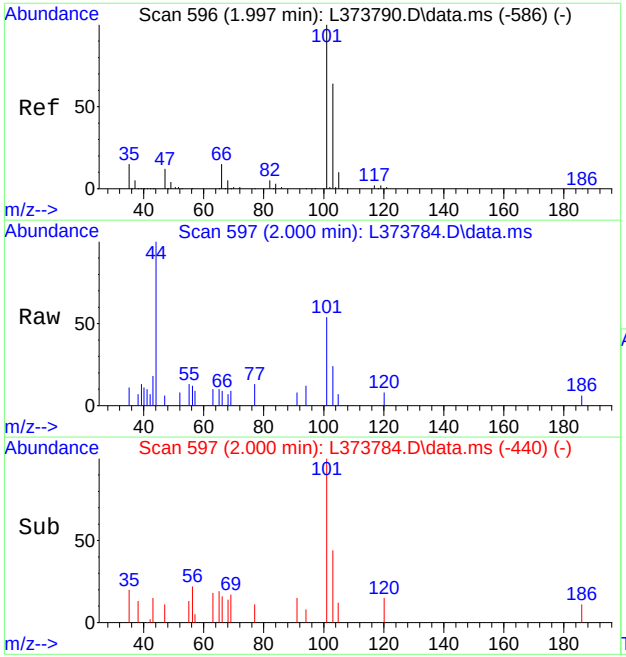


#12
chloroethane
Concen: 0.54 ug/L
RT: 1.846 min Scan# 549
Delta R.T. 0.010 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 64 Resp: 742

Ion	Ratio	Lower	Upper
64	100		
66	3.8	1.8	61.8
49	50.3	0.0	57.7

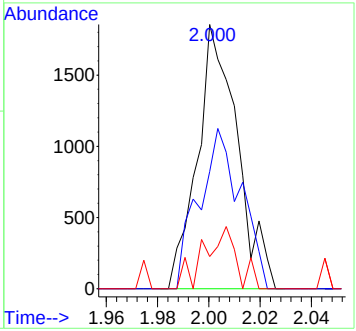


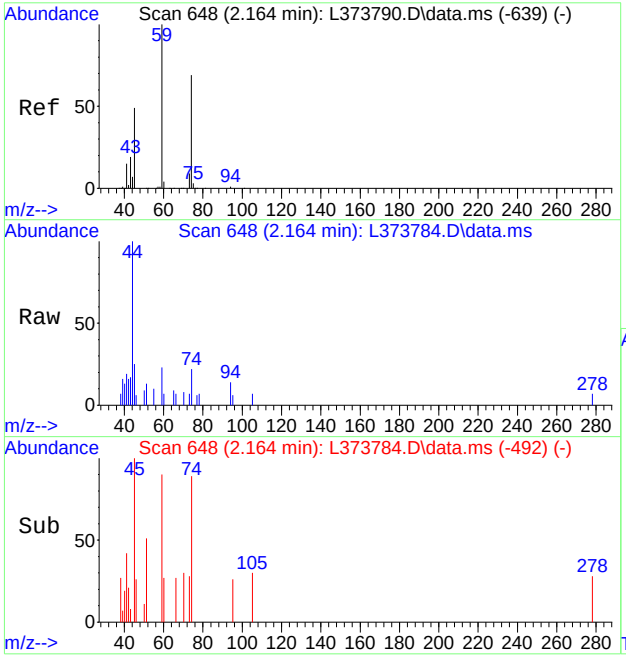


#13
trichlorofluoromethane
Concen: 0.44 ug/L
RT: 2.000 min Scan# 597
Delta R.T. 0.003 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion:101 Resp: 2005

Ion	Ratio	Lower	Upper
101	100		
103	44.3	33.8	93.8
105	12.2	0.0	40.0

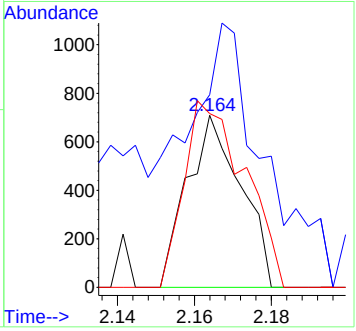


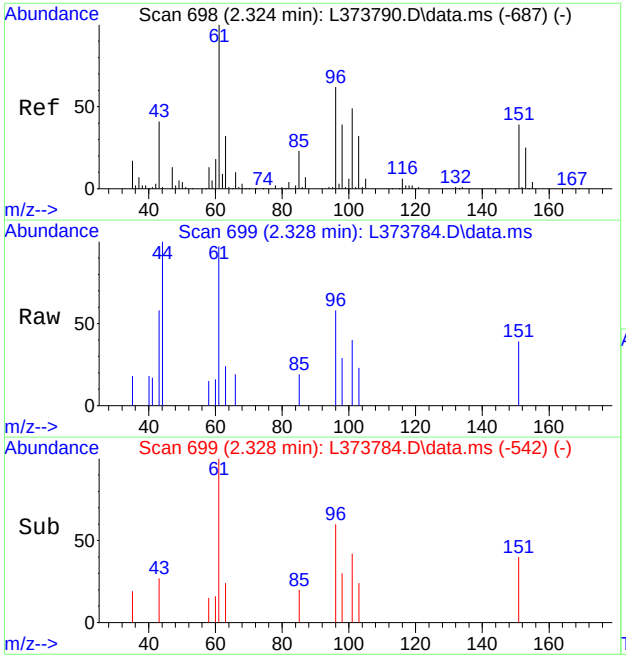


#14
ethyl ether
Concen: 0.48 ug/L
RT: 2.164 min Scan# 648
Delta R.T. 0.000 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 74 Resp: 687

Ion	Ratio	Lower	Upper
74	100		
45	76.2	102.0	162.0#
59	101.0	114.2	174.2#

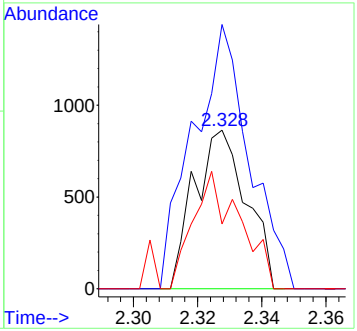


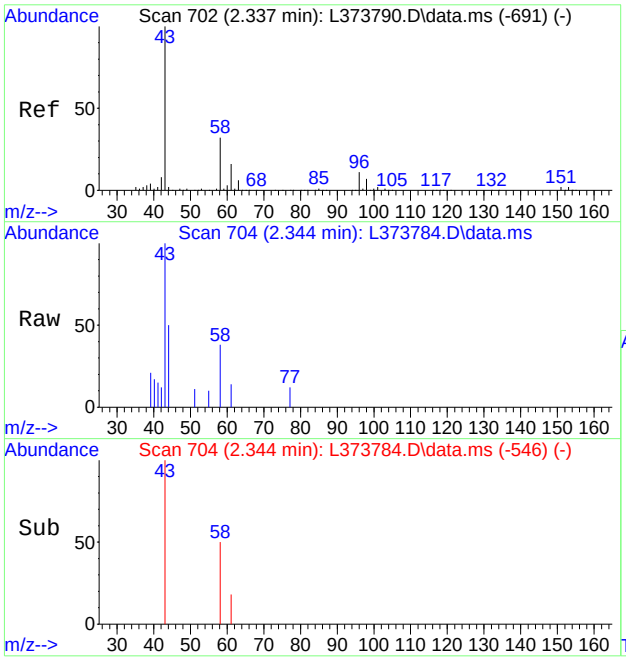


#17
1,1-dichloroethene
Concen: 0.42 ug/L
RT: 2.328 min Scan# 699
Delta R.T. 0.003 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 96 Resp: 975

Ion	Ratio	Lower	Upper
96	100		
61	166.6	131.4	191.4
63	40.8	22.3	82.3

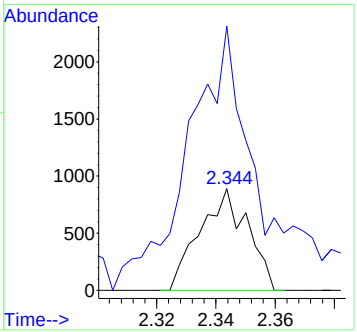


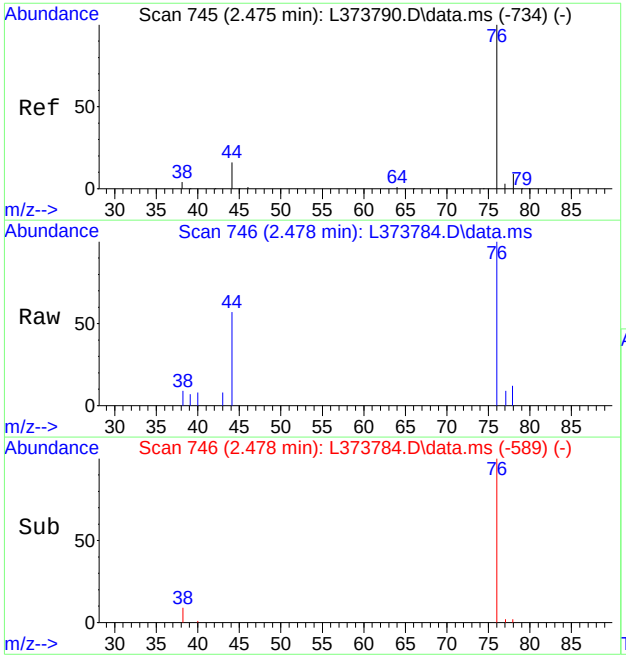


#18
acetone
Concen: 2.28 ug/L
RT: 2.344 min Scan# 704
Delta R.T. 0.006 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 58 Resp: 996

Ion	Ratio	Lower	Upper
58	100		
43	215.7	286.5	346.5#

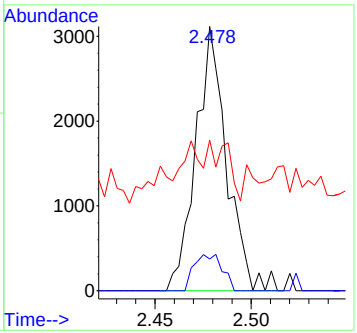


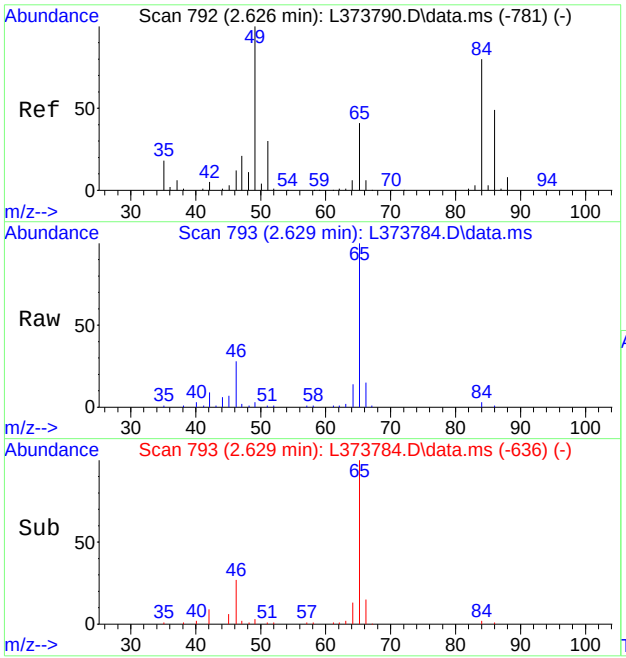


#22
carbon disulfide
Concen: 0.50 ug/L
RT: 2.478 min Scan# 746
Delta R.T. 0.003 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 76 Resp: 3479

Ion	Ratio	Lower	Upper
76	100		
78	12.0	0.0	38.9
44	9.8	0.0	46.1

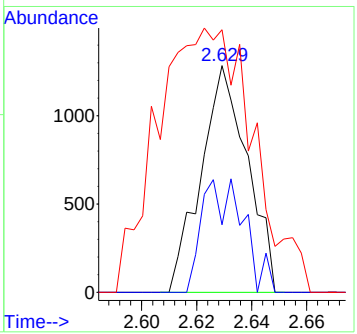


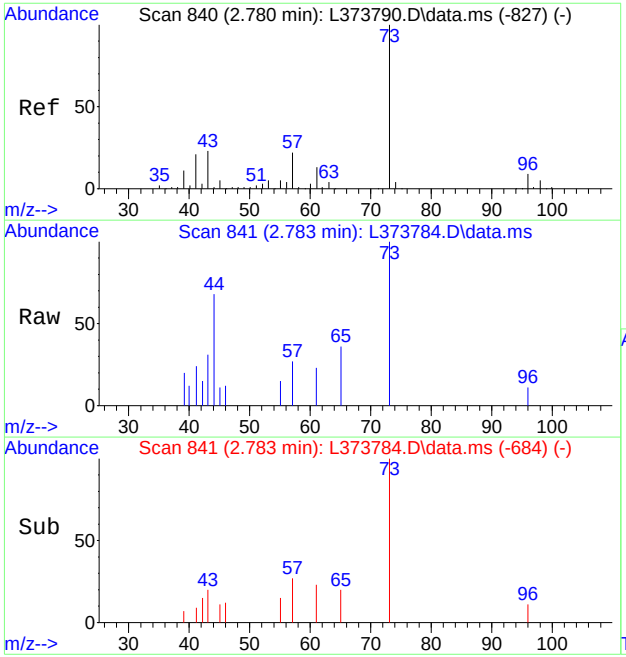


#23
methylene chloride
Concen: 0.56 ug/L
RT: 2.629 min Scan# 793
Delta R.T. 0.003 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 84 Resp: 1505

Ion	Ratio	Lower	Upper
84	100		
86	29.8	31.2	91.2#
49	92.4	95.6	155.6#

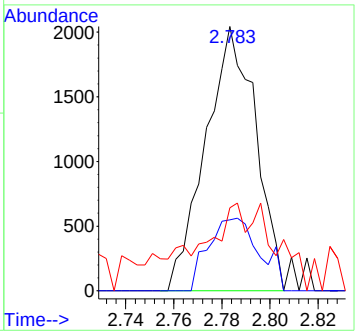


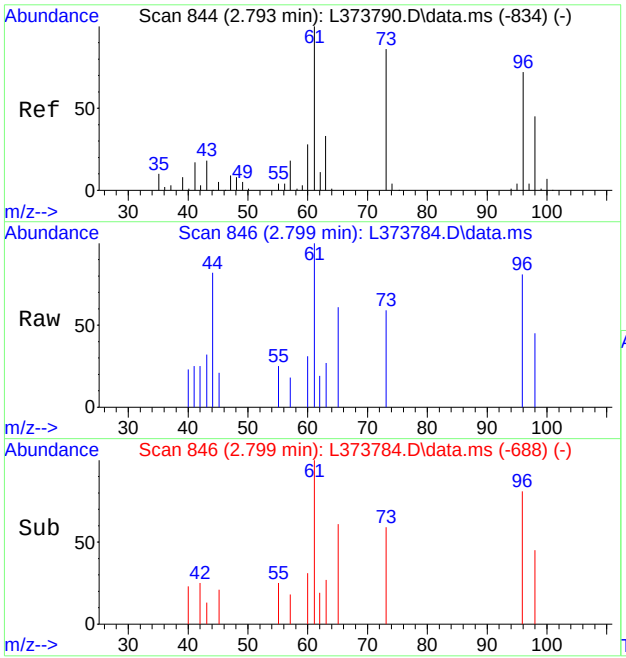


#25
methyl tert butyl ether
Concen: 0.37 ug/L
RT: 2.783 min Scan# 841
Delta R.T. 0.003 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 73 Resp: 2959

Ion	Ratio	Lower	Upper
73	100		
57	26.8	0.0	52.4
43	19.3	0.0	52.7

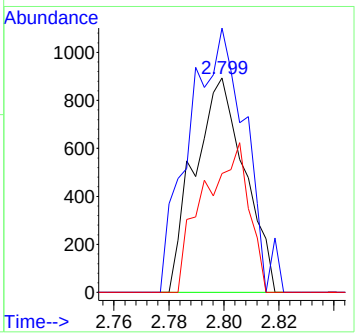


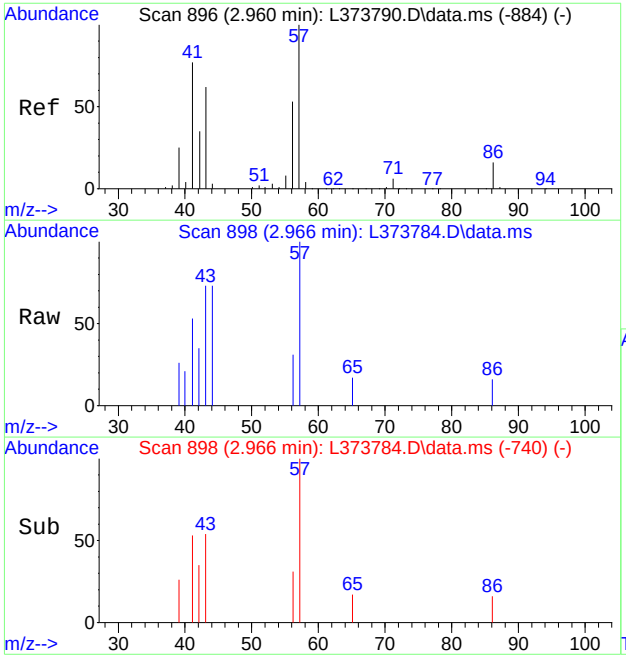


#26
trans-1,2-dichloroethene
Concen: 0.44 ug/L
RT: 2.799 min Scan# 846
Delta R.T. 0.006 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 96 Resp: 1135

Ion	Ratio	Lower	Upper
96	100		
61	123.3	109.1	169.1
98	55.4	32.0	92.0

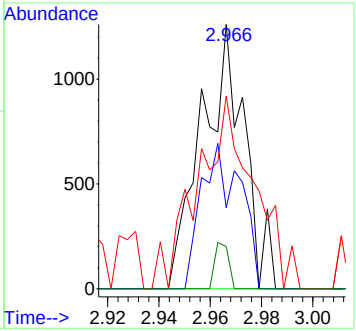


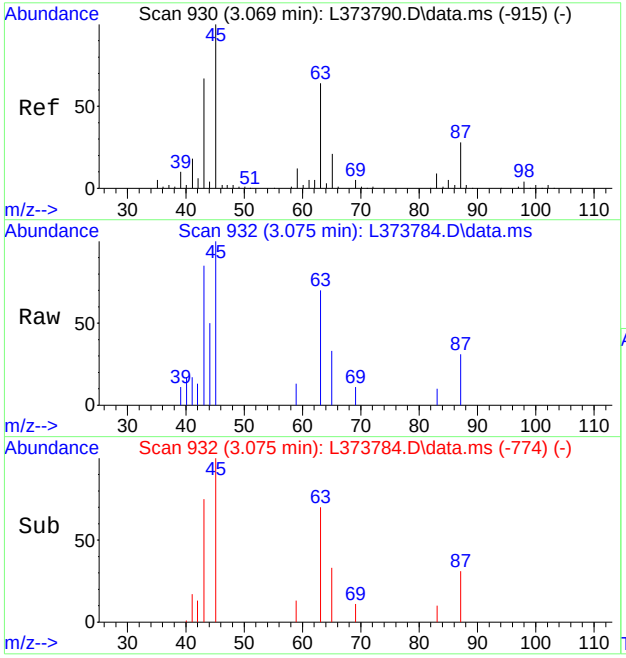


#27
hexane
Concen: 0.42 ug/L
RT: 2.966 min Scan# 898
Delta R.T. 0.006 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 57 Resp: 1456

Ion	Ratio	Lower	Upper
57	100		
56	30.7	32.9	72.9#
43	72.9	41.9	81.9
86	16.0	0.0	36.3

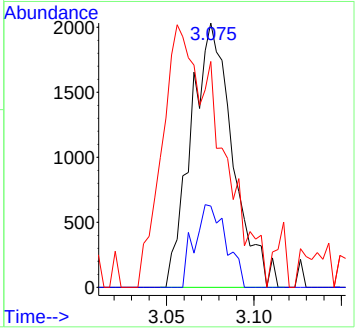


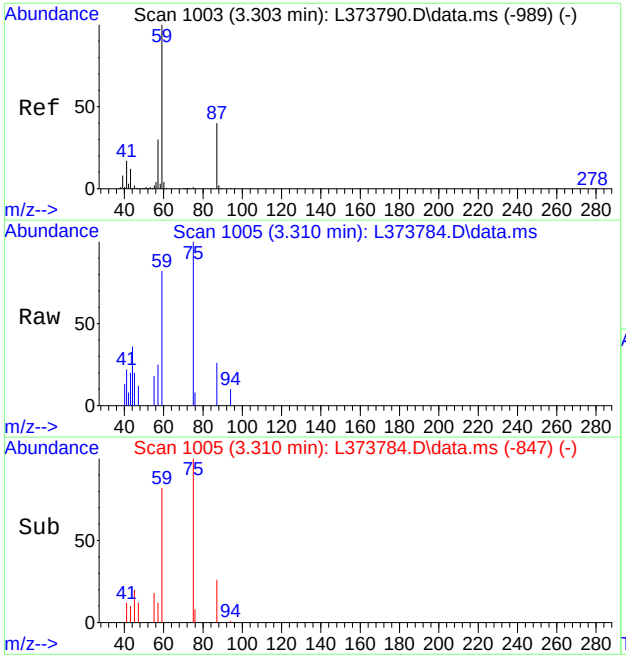


#28
di-isopropyl ether
Concen: 0.41 ug/L
RT: 3.075 min Scan# 932
Delta R.T. 0.006 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 45 Resp: 3386

Ion	Ratio	Lower	Upper
45	100		
87	30.8	0.0	57.5
43	60.8	37.5	97.5

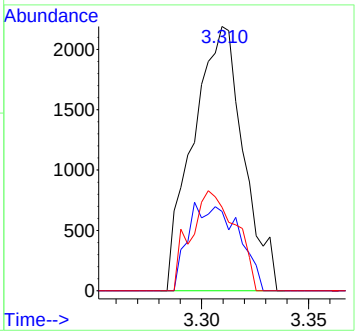


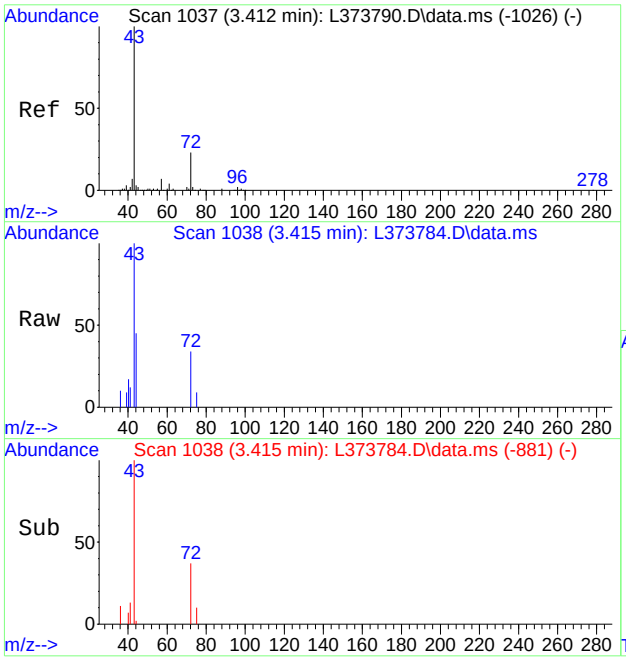


#29
ethyl tert-butyl ether
Concen: 0.42 ug/L
RT: 3.310 min Scan# 1005
Delta R.T. 0.006 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 59 Resp: 3601

Ion	Ratio	Lower	Upper
59	100		
57	30.0	0.3	60.3
87	31.6	9.6	69.6

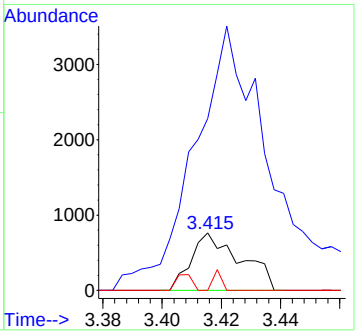


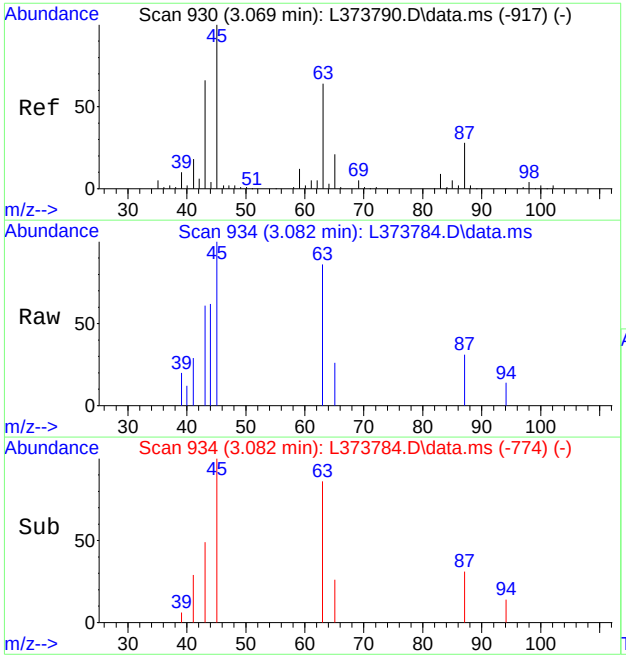


#30
2-butanone
Concen: 1.46 ug/L
RT: 3.415 min Scan# 1038
Delta R.T. 0.003 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 72 Resp: 882

Ion	Ratio	Lower	Upper
72	100		
43	252.9	411.9	471.9#
57	0.0	2.4	62.4#

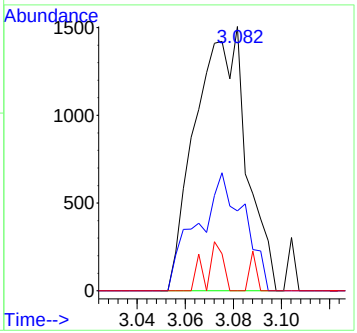


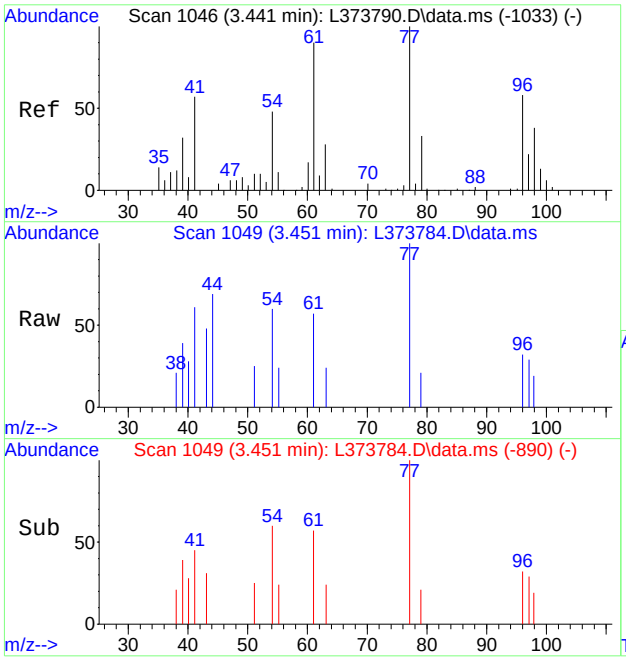


#31
1,1-dichloroethane
Concen: 0.45 ug/L
RT: 3.082 min Scan# 934
Delta R.T. 0.013 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 63 Resp: 2198

Ion	Ratio	Lower	Upper
63	100		
65	30.2	2.5	62.5
83	0.0	0.0	43.5

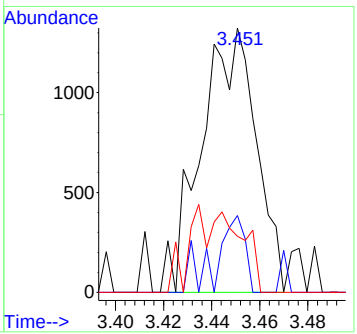


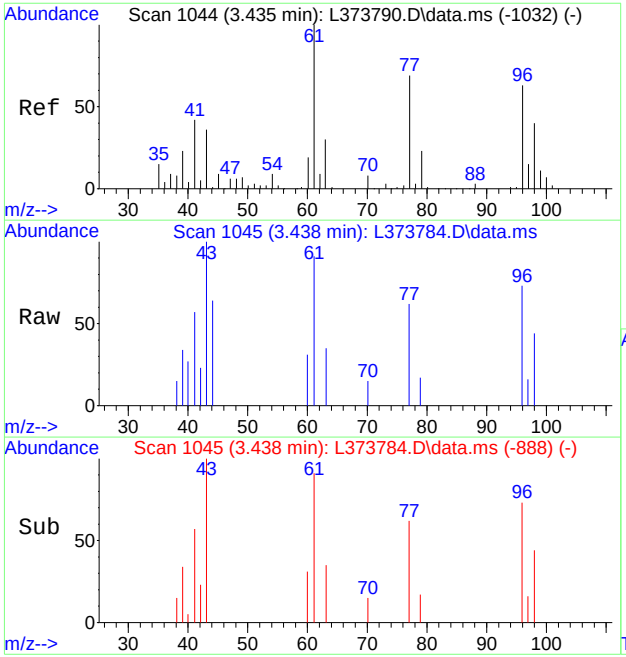


#36
2,2-dichloropropane
Concen: 0.49 ug/L
RT: 3.451 min Scan# 1049
Delta R.T. 0.010 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 77 Resp: 2114

Ion	Ratio	Lower	Upper
77	100		
97	29.0	0.0	52.3
79	21.2	3.0	63.0

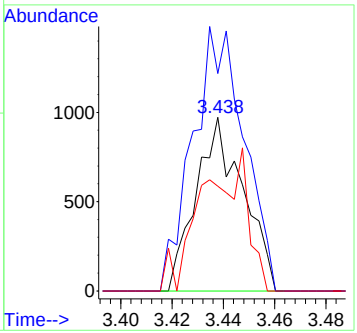


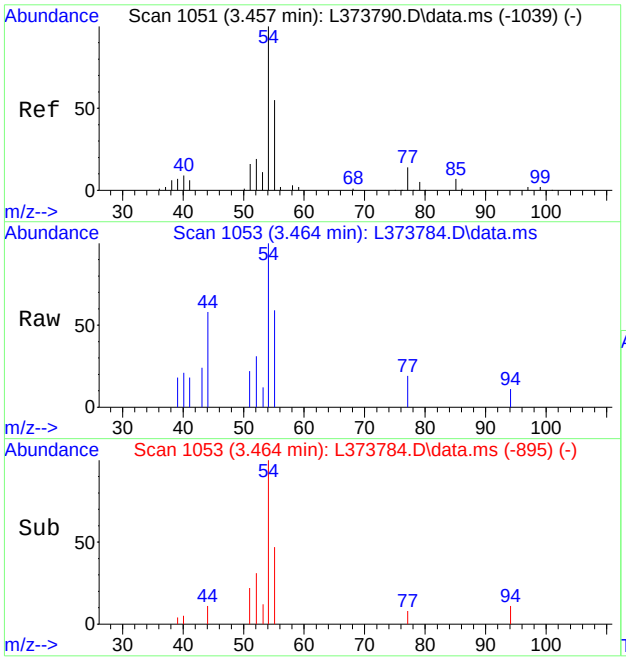


#37
cis-1,2-dichloroethene
Concen: 0.44 ug/L
RT: 3.438 min Scan# 1045
Delta R.T. 0.003 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 96 Resp: 1238

Ion	Ratio	Lower	Upper
96	100		
61	125.2	128.7	188.7#
98	60.2	34.1	94.1

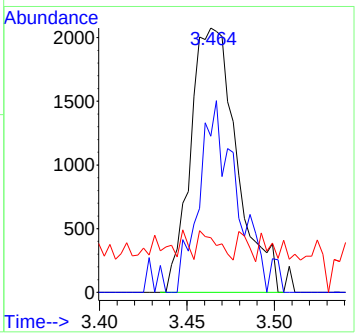


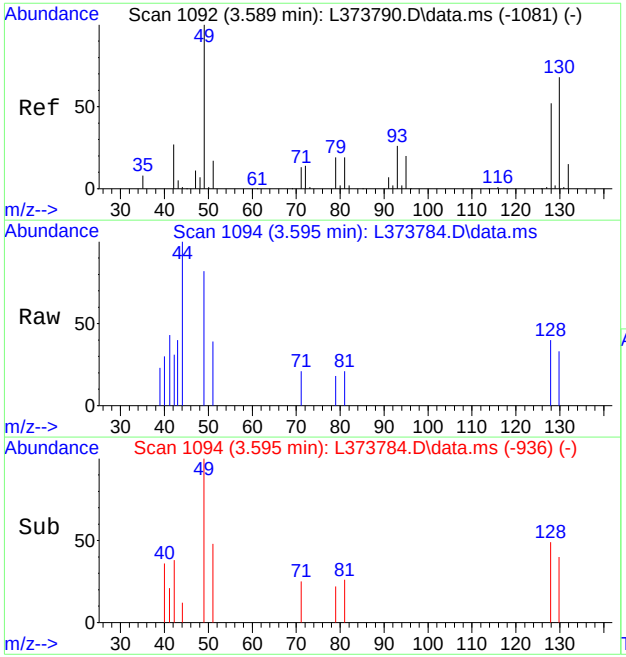


#38
propionitrile
Concen: 5.09 ug/L
RT: 3.464 min Scan# 1053
Delta R.T. 0.006 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 54 Resp: 3839

Ion	Ratio	Lower	Upper
54	100		
55	59.0	25.4	85.4
40	5.0	0.0	39.0

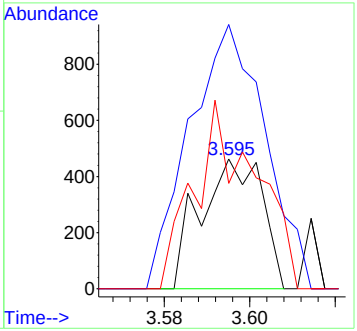


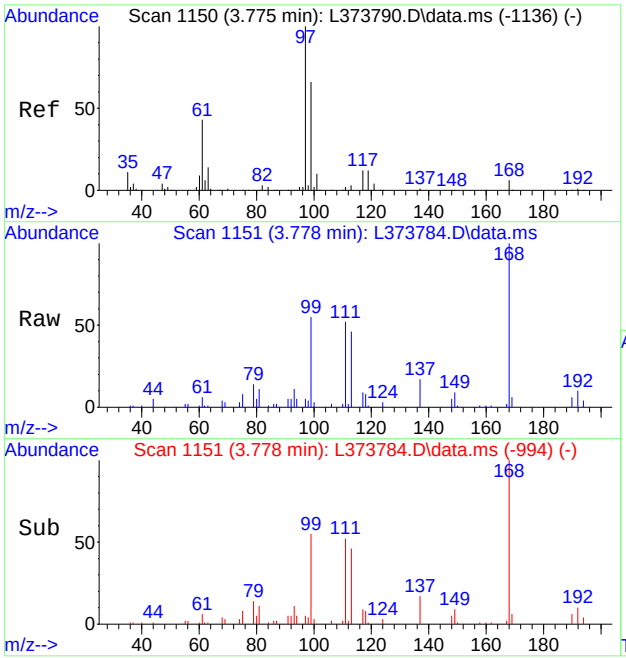


#40
bromochloromethane
Concen: 0.38 ug/L
RT: 3.595 min Scan# 1094
Delta R.T. 0.006 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion:128 Resp: 465

Ion	Ratio	Lower	Upper
128	100		
49	160.0	163.3	223.3#
130	81.2	100.3	160.3#

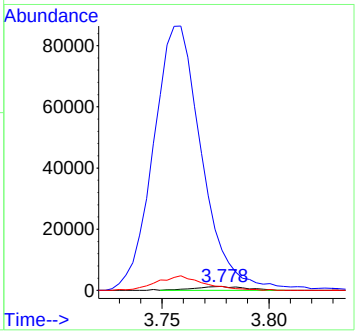


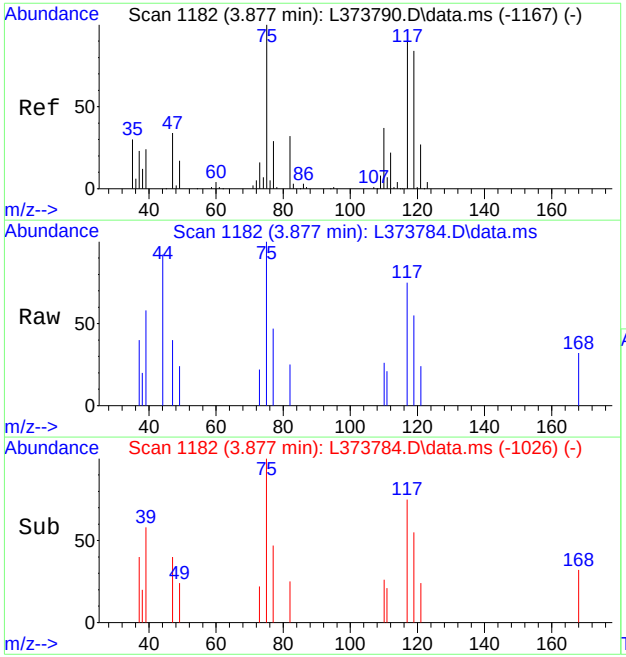


#45
1,1,1-trichloroethane
Concen: 0.49 ug/L
RT: 3.778 min Scan# 1151
Delta R.T. 0.003 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 97 Resp: 2147

Ion	Ratio	Lower	Upper
97	100		
99	913.7	41.0	101.0#
61	104.3	12.9	72.9#

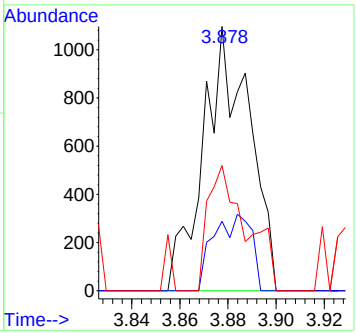


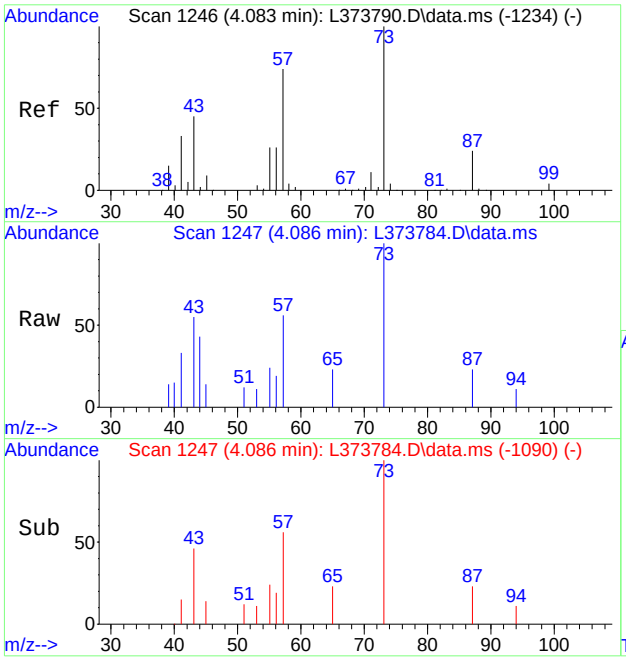


#47
1,1-dichloropropene
Concen: 0.39 ug/L
RT: 3.877 min Scan# 1182
Delta R.T. 0.000 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 75 Resp: 1457

Ion	Ratio	Lower	Upper
75	100		
110	26.3	17.0	57.0
77	47.4	10.2	50.2

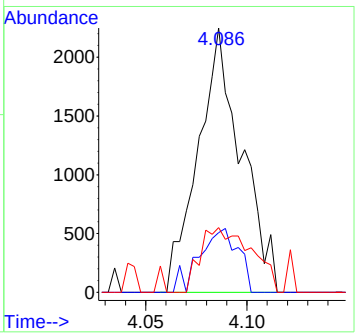


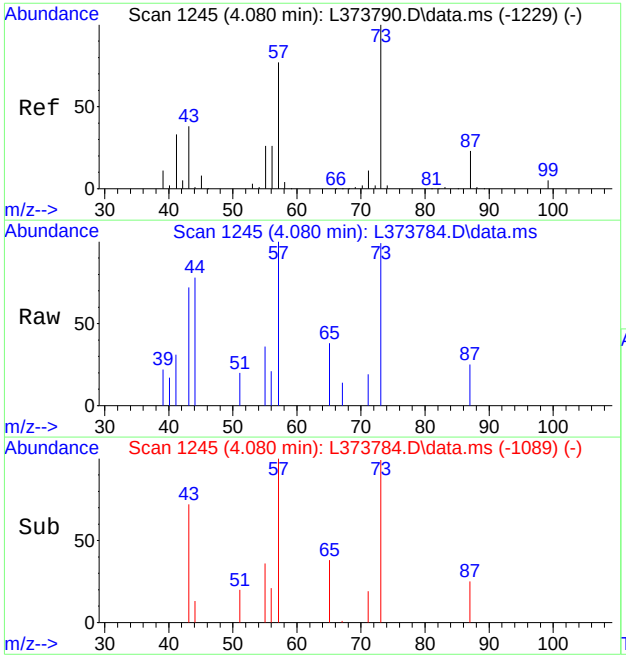


#53
tert-amyl methyl ether
Concen: 0.44 ug/L
RT: 4.086 min Scan# 1247
Delta R.T. 0.003 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 73 Resp: 3343

Ion	Ratio	Lower	Upper
73	100		
87	22.6	4.6	44.6
55	24.5	5.7	45.7

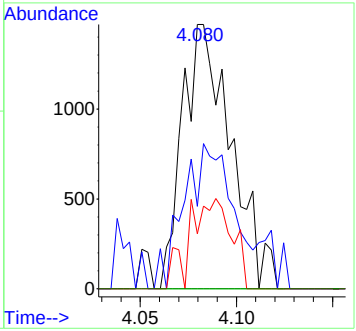


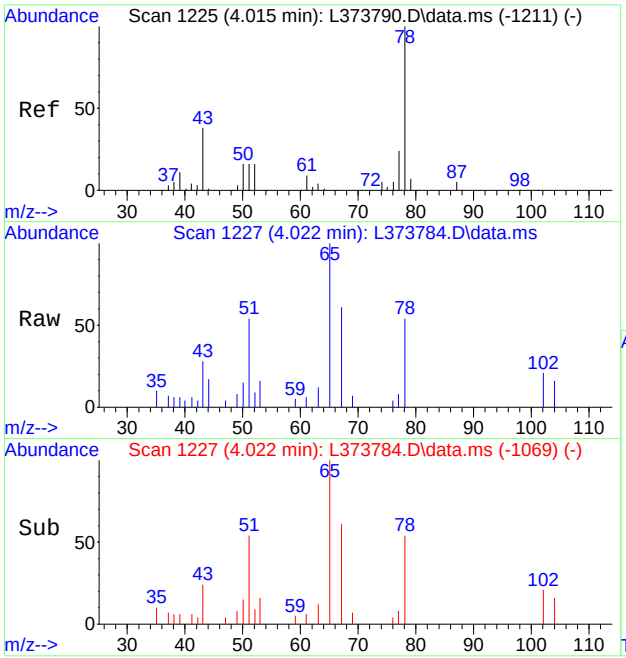


#54
2,2,4-trimethylpentane
Concen: 0.44 ug/L
RT: 4.080 min Scan# 1245
Delta R.T. 0.000 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 57 Resp: 2599

Ion	Ratio	Lower	Upper
57	100		
41	16.0	25.1	65.1#
56	20.8	13.8	53.8
99	0.0	0.0	25.9

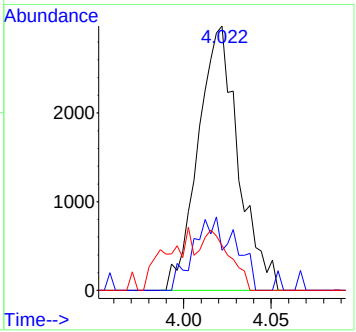


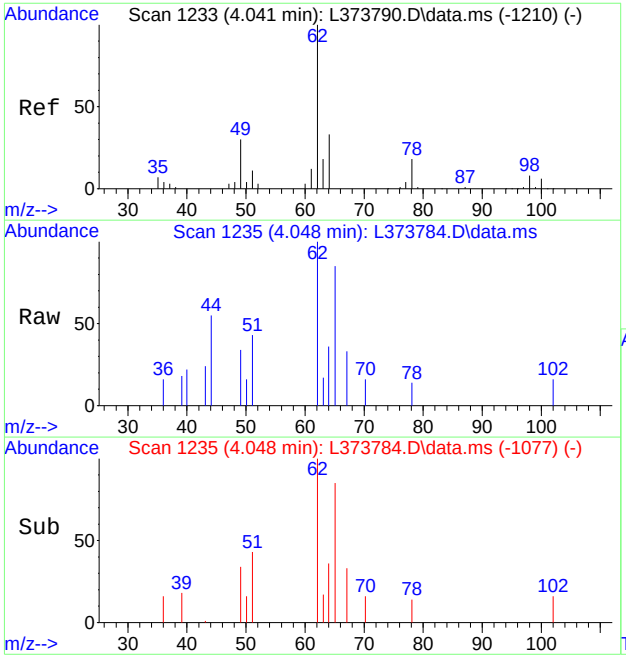


#56
benzene
Concen: 0.44 ug/L
RT: 4.022 min Scan# 1227
Delta R.T. 0.006 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 78 Resp: 4762

Ion	Ratio	Lower	Upper
78	100		
77	15.2	0.0	53.5
52	17.0	0.0	46.2

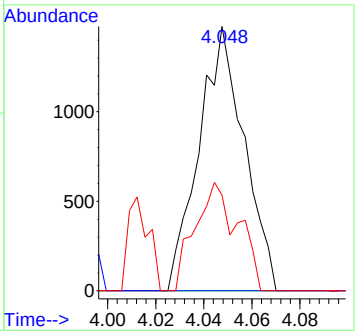


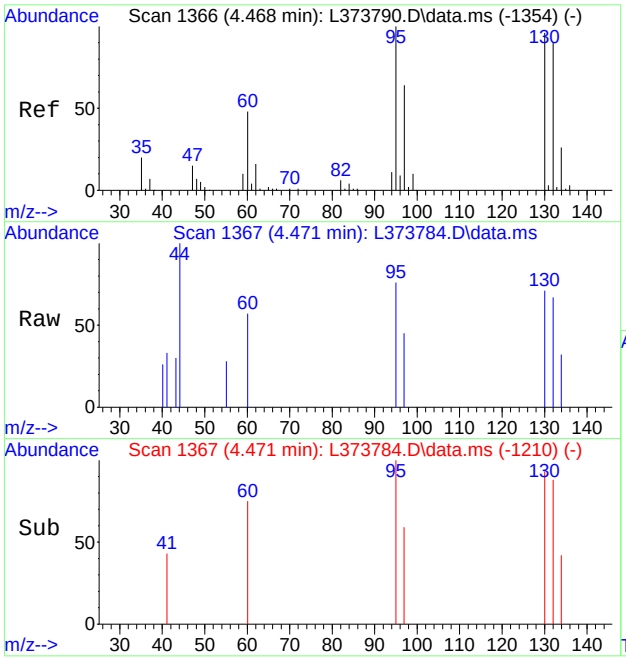


#58
1,2-dichloroethane
Concen: 0.53 ug/L
RT: 4.048 min Scan# 1235
Delta R.T. 0.006 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 62 Resp: 1925

Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	38.1
64	36.2	2.8	62.8

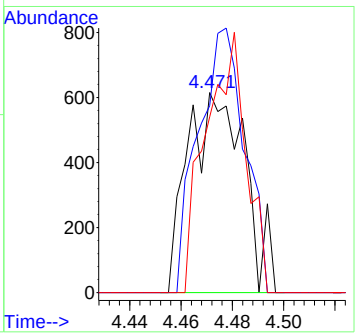


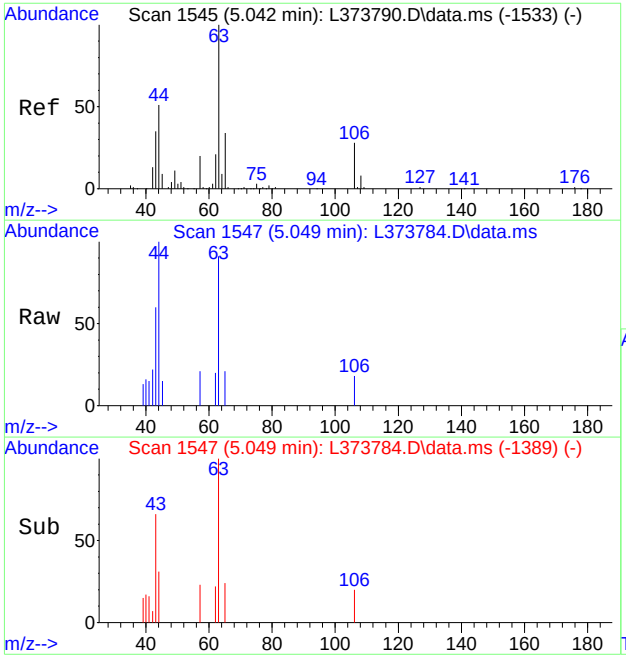


#59
trichloroethene
Concen: 0.35 ug/L
RT: 4.471 min Scan# 1367
Delta R.T. 0.003 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 95 Resp: 956

Ion	Ratio	Lower	Upper
95	100		
130	93.5	65.5	125.5
132	87.8	59.7	119.7

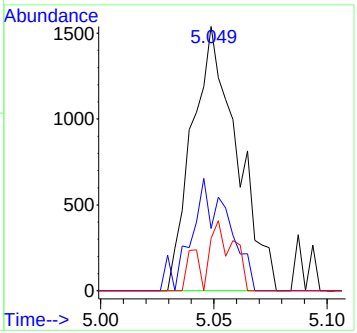


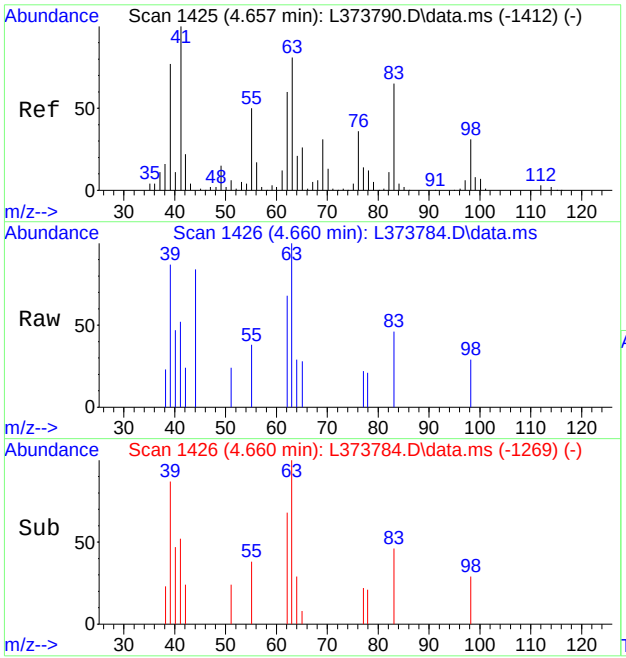


#62
2-chloroethyl vinyl ether
Concen: 2.58 ug/L
RT: 5.049 min Scan# 1547
Delta R.T. 0.006 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 63 Resp: 2118

Ion	Ratio	Lower	Upper
63	100		
65	23.5	3.9	63.9
106	19.9	0.0	57.6

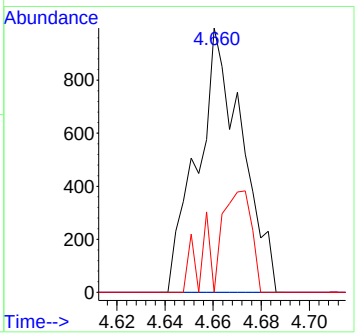


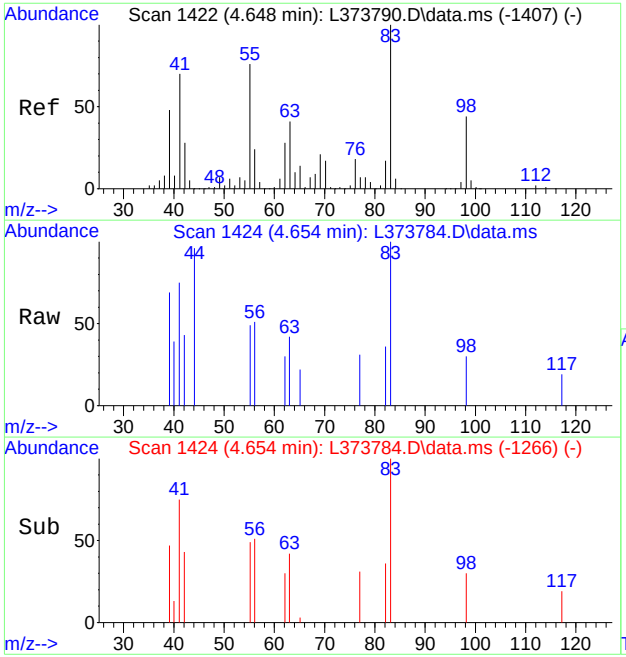


#64
1,2-dichloropropane
Concen: 0.52 ug/L
RT: 4.660 min Scan# 1426
Delta R.T. 0.003 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 63 Resp: 1281

Ion	Ratio	Lower	Upper
63	100		
112	0.0	0.0	34.1
76	0.0	14.3	74.3#

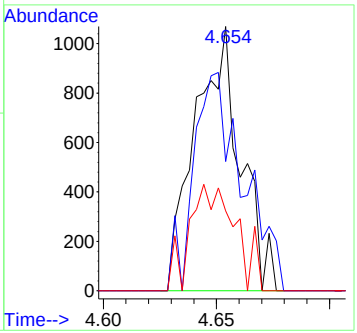


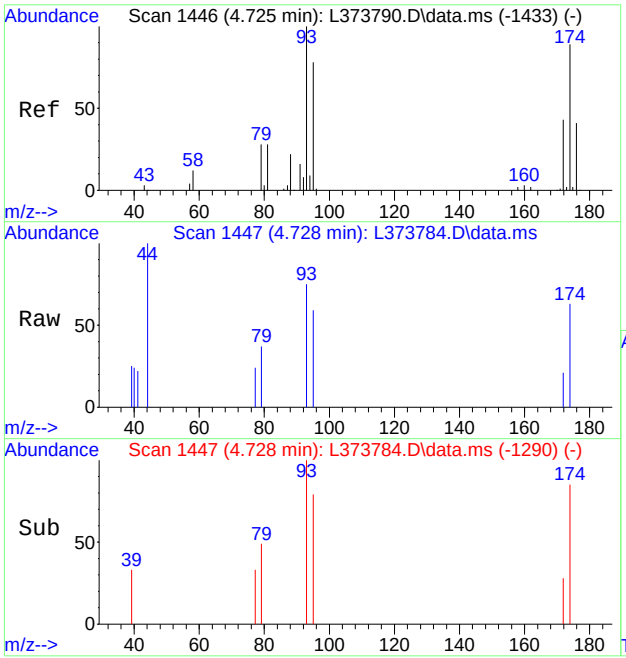


#65
methylcyclohexane
Concen: 0.40 ug/L
RT: 4.654 min Scan# 1424
Delta R.T. 0.006 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 83 Resp: 1493

Ion	Ratio	Lower	Upper
83	100		
55	48.9	46.3	106.3
98	30.2	13.7	73.7

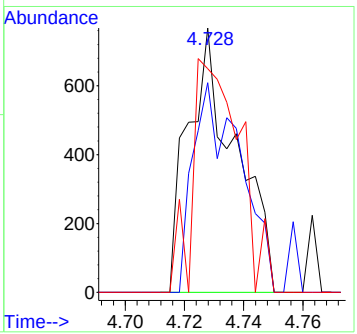


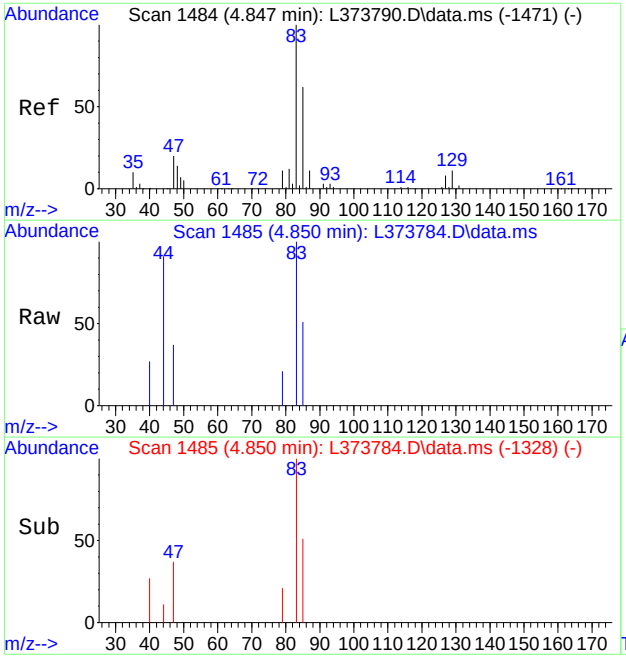


#66
dibromomethane
Concen: 0.51 ug/L
RT: 4.728 min Scan# 1447
Delta R.T. 0.003 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 93 Resp: 853

Ion	Ratio	Lower	Upper
93	100		
95	79.3	48.3	108.3
174	84.6	59.2	119.2

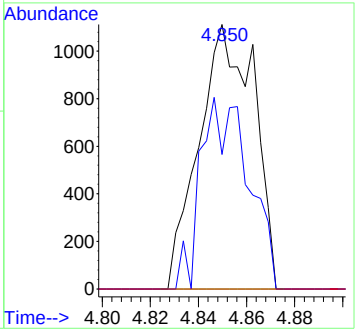


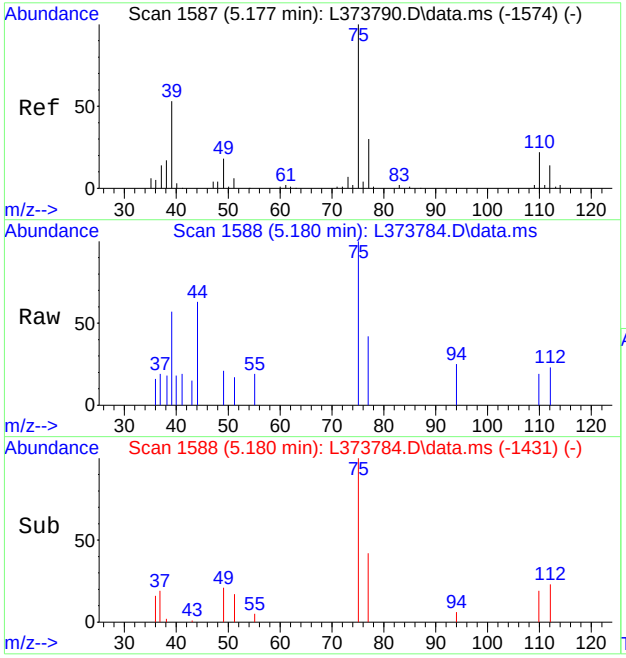


#67
bromodichloromethane
Concen: 0.51 ug/L
RT: 4.850 min Scan# 1485
Delta R.T. 0.003 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 83 Resp: 1773

Ion	Ratio	Lower	Upper
83	100		
85	50.8	31.5	91.5
127	0.0	0.0	38.3

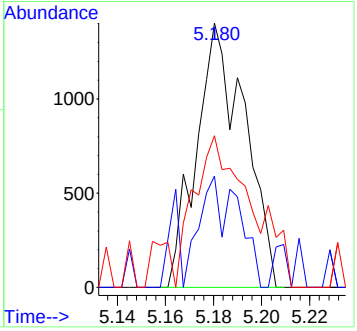


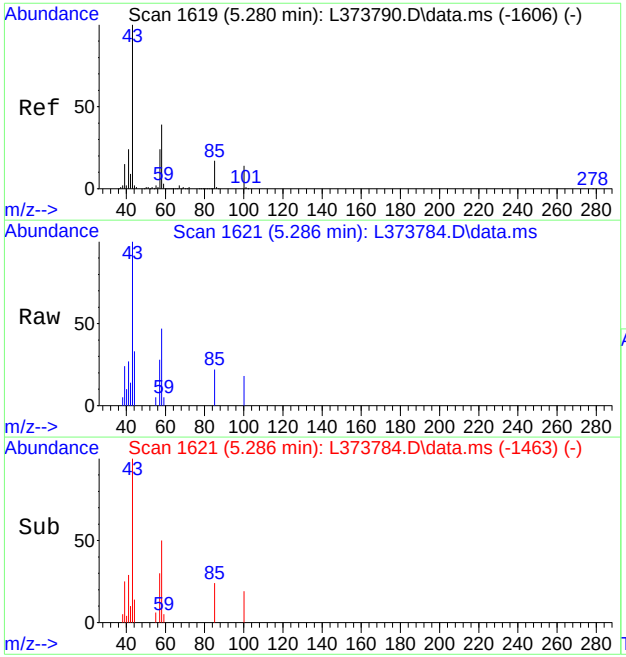


#68
cis-1,3-dichloropropene
Concen: 0.46 ug/L
RT: 5.180 min Scan# 1588
Delta R.T. 0.003 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 75 Resp: 1955

Ion	Ratio	Lower	Upper
75	100		
77	42.1	0.1	60.1
39	41.5	23.1	83.1

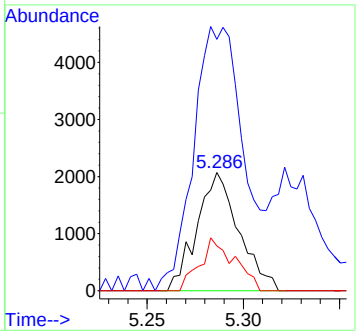


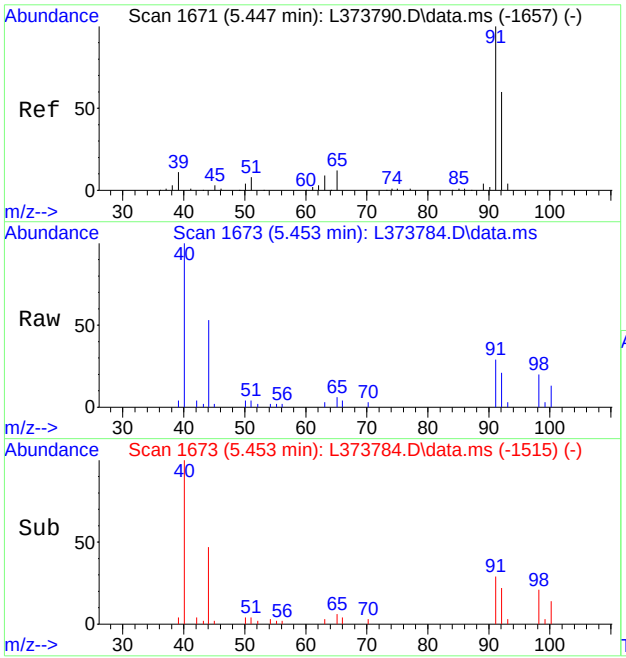


#70
4-methyl-2-pentanone
Concen: 2.10 ug/L
RT: 5.286 min Scan# 1621
Delta R.T. 0.006 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 58 Resp: 3142

Ion	Ratio	Lower	Upper
58	100		
43	202.2	233.3	273.3#
100	38.0	15.2	55.2

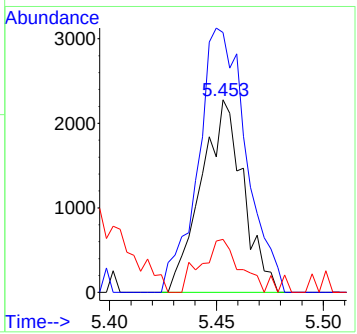


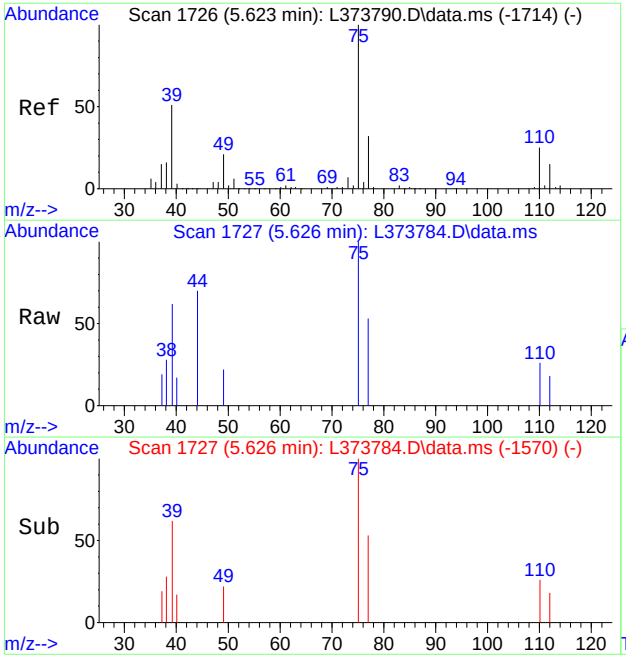


#74
toluene
Concen: 0.46 ug/L
RT: 5.453 min Scan# 1673
Delta R.T. 0.006 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 92 Resp: 3112

Ion	Ratio	Lower	Upper
92	100		
91	134.8	136.7	196.7#
65	18.4	0.0	50.8

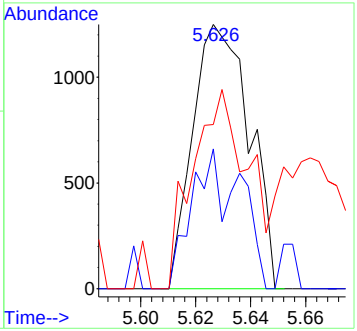


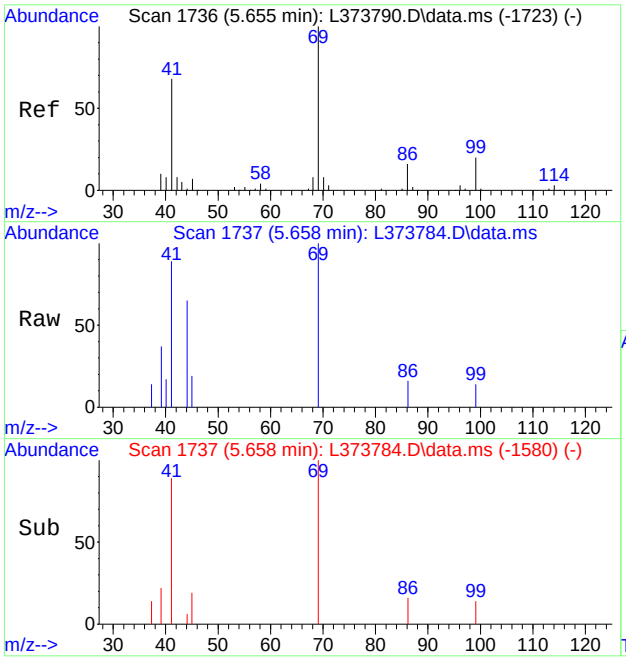


#75
trans-1,3-dichloropropene
Concen: 0.45 ug/L
RT: 5.626 min Scan# 1727
Delta R.T. 0.003 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 75 Resp: 1792

Ion	Ratio	Lower	Upper
75	100		
77	52.9	1.7	61.7
39	62.1	20.7	80.7

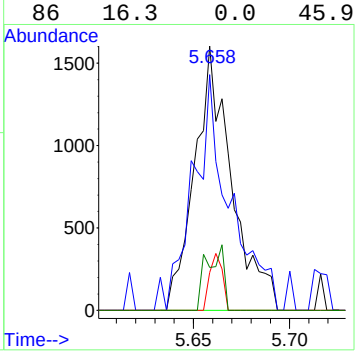


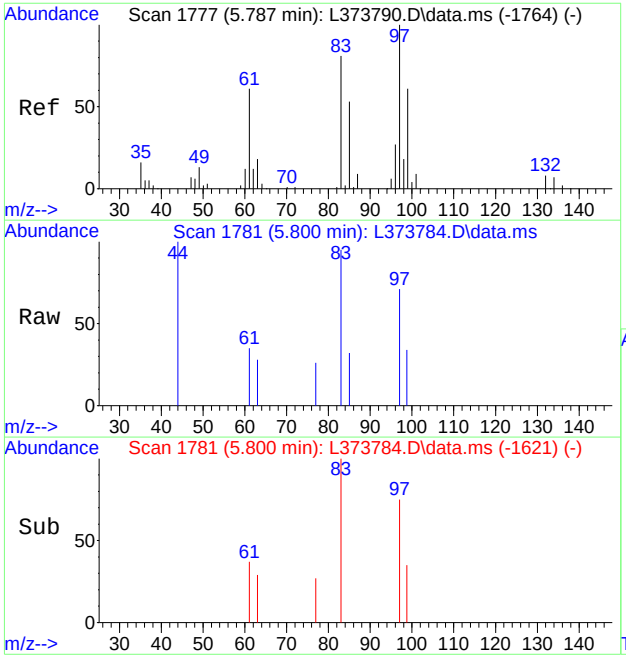


#76
ethyl methacrylate
Concen: 0.57 ug/L
RT: 5.658 min Scan# 1737
Delta R.T. 0.003 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 69 Resp: 2146

Ion	Ratio	Lower	Upper
69	100		
41	89.2	38.9	98.9
99	14.3	0.0	50.4
86	16.3	0.0	45.9

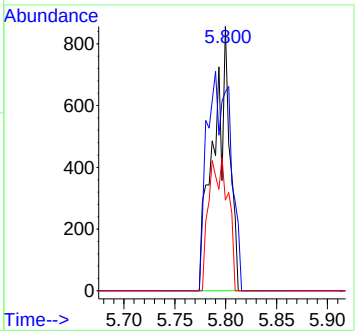


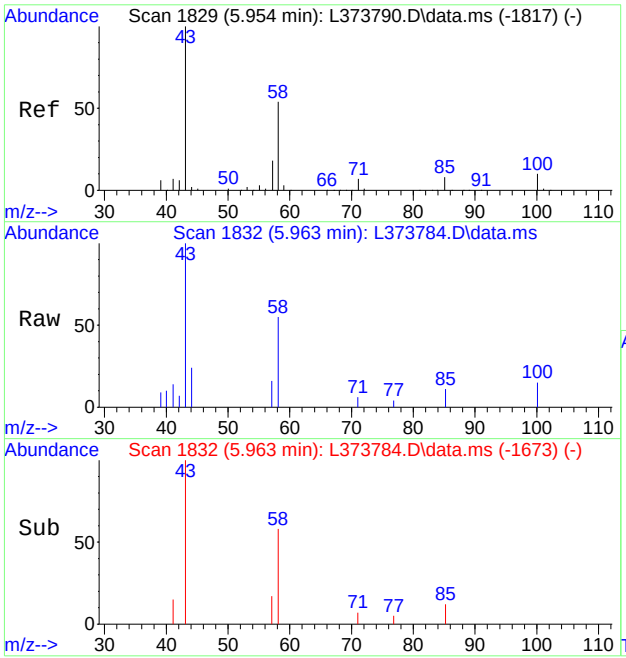


#77
1,1,2-trichloroethane
Concen: 0.46 ug/L m
RT: 5.800 min Scan# 1781
Delta R.T. 0.013 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 83 Resp: 949

Ion	Ratio	Lower	Upper
83	100		
97	75.3	93.6	153.6#
85	34.2	35.4	95.4#

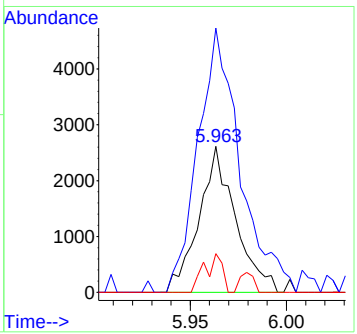


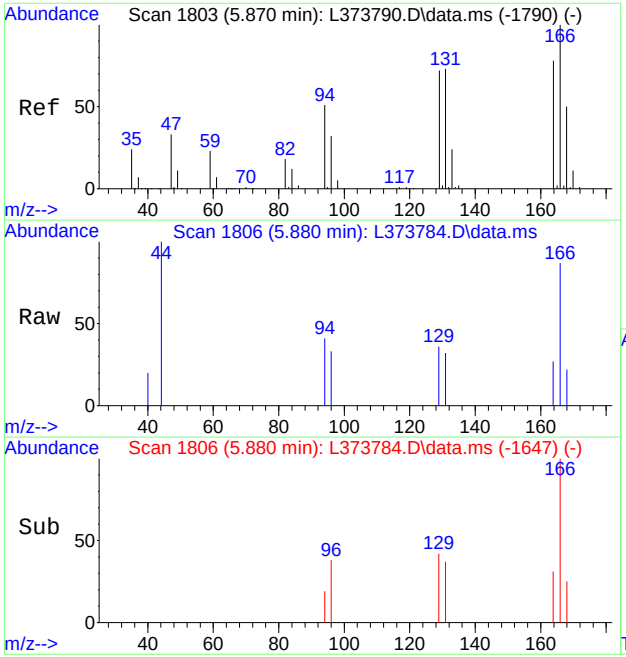


#78
2-hexanone
Concen: 2.08 ug/L
RT: 5.963 min Scan# 1832
Delta R.T. 0.010 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 58 Resp: 3461

Ion	Ratio	Lower	Upper
58	100		
43	181.1	154.6	214.6
100	26.5	0.0	49.0

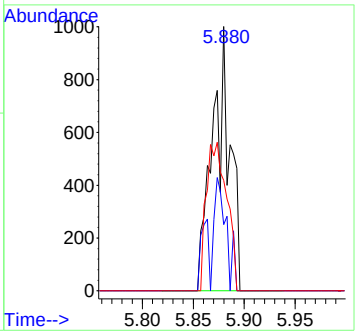


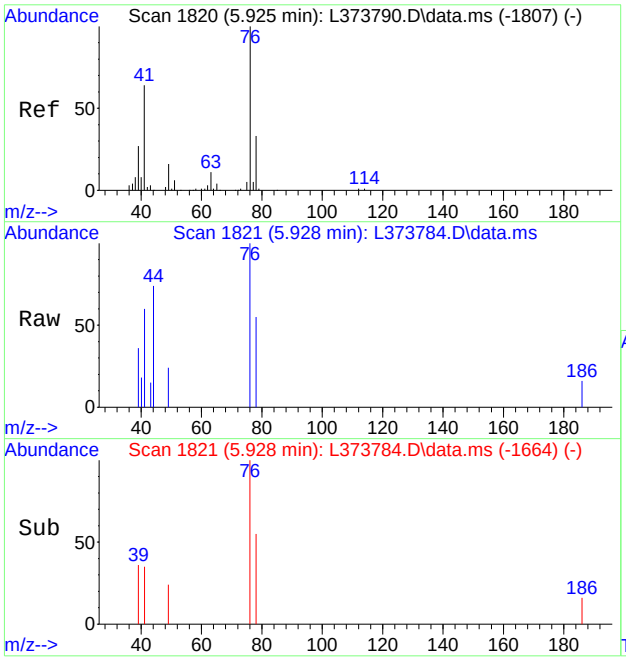


#79
tetrachloroethene
Concen: 0.45 ug/L m
RT: 5.880 min Scan# 1806
Delta R.T. 0.010 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion:166 Resp: 1192

Ion	Ratio	Lower	Upper
166	100		
168	25.0	19.7	79.7
129	41.8	42.4	102.4#

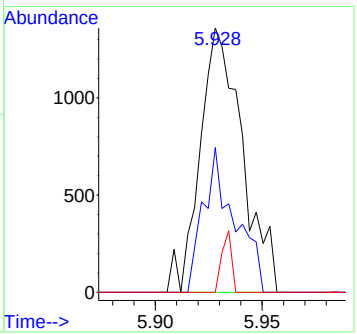


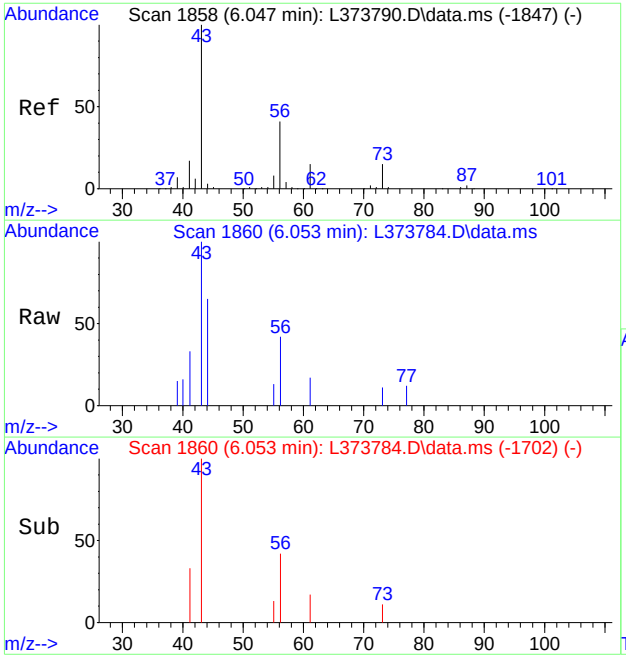


#80
1,3-dichloropropane
Concen: 0.46 ug/L
RT: 5.928 min Scan# 1821
Delta R.T. 0.003 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 76 Resp: 1876

Ion	Ratio	Lower	Upper
76	100		
78	54.9	2.7	62.7
63	0.0	0.0	41.2

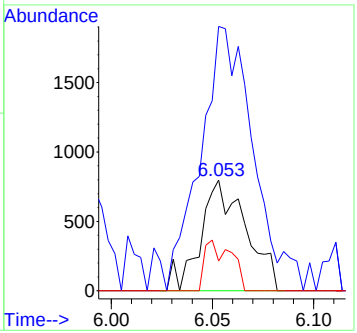


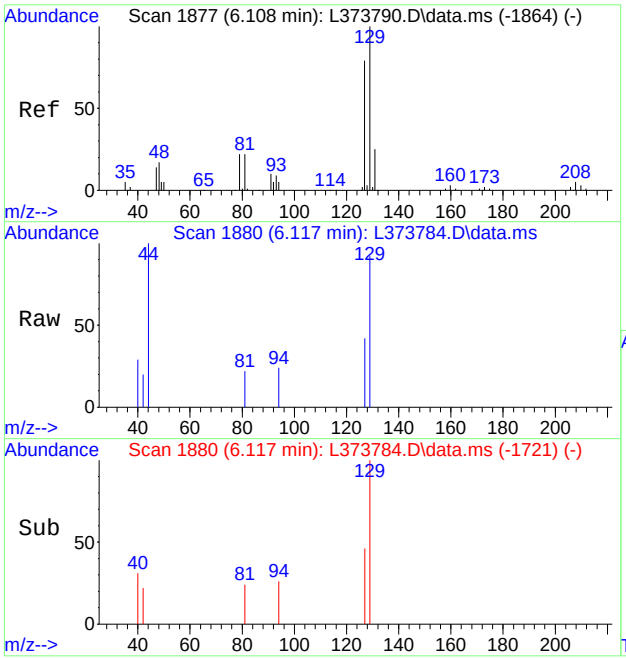


#81
butyl acetate
Concen: 0.57 ug/L
RT: 6.053 min Scan# 1860
Delta R.T. 0.006 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 56 Resp: 1249

Ion	Ratio	Lower	Upper
56	100		
43	211.8	218.3	278.3#
73	26.8	7.2	67.2

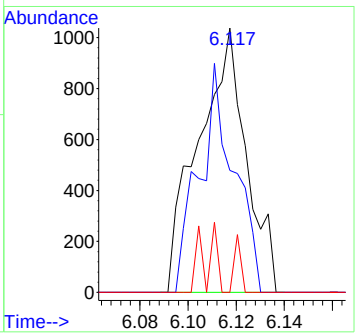


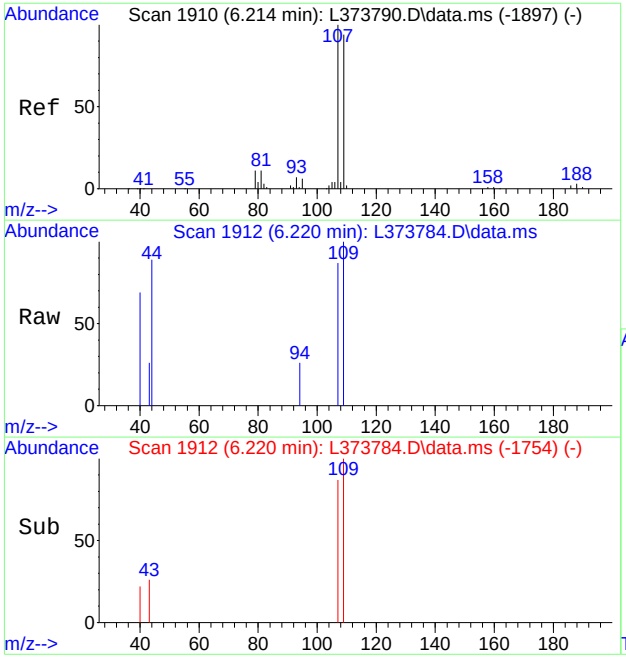


#82
dibromochloromethane
Concen: 0.55 ug/L
RT: 6.117 min Scan# 1880
Delta R.T. 0.010 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion:129 Resp: 1430

Ion	Ratio	Lower	Upper
129	100		
127	46.1	49.0	109.0#
131	0.0	0.0	54.6

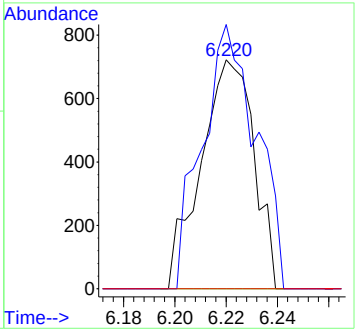


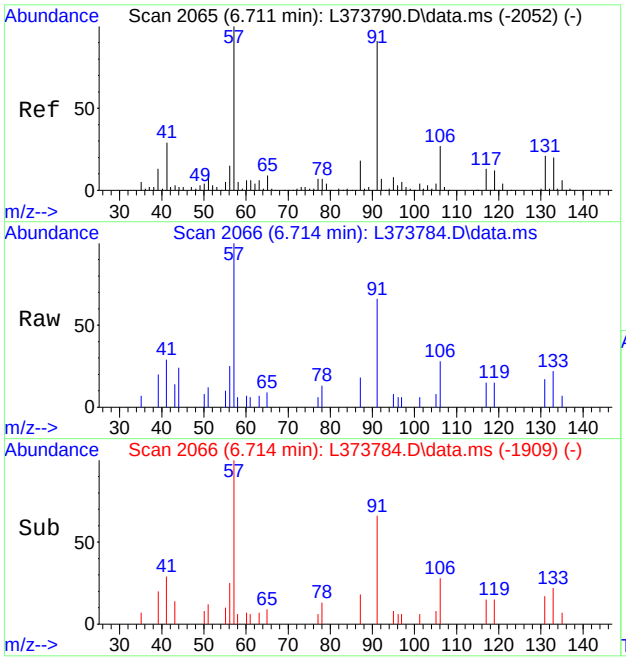


#83
1,2-dibromoethane
Concen: 0.38 ug/L
RT: 6.220 min Scan# 1912
Delta R.T. 0.006 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion:107 Resp: 1038

Ion	Ratio	Lower	Upper
107	100		
109	115.5	63.9	123.9
188	0.0	0.0	33.4

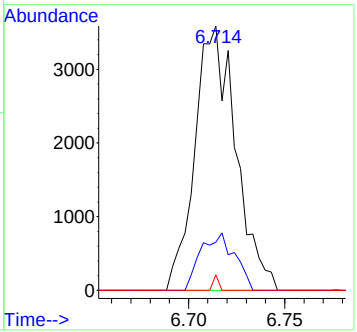


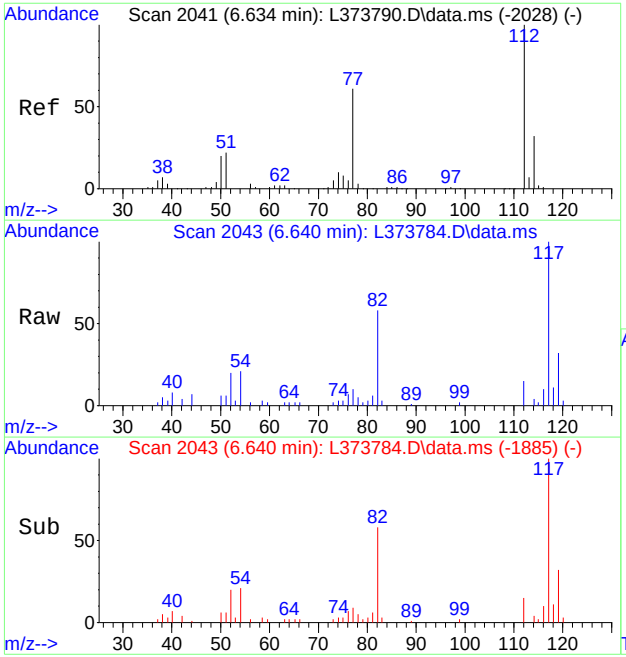


#84
n-butyl ether
Concen: 0.52 ug/L
RT: 6.714 min Scan# 2066
Delta R.T. 0.003 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 57 Resp: 5296

Ion	Ratio	Lower	Upper
57	100		
87	18.2	0.0	47.8
101	5.8	0.0	34.2

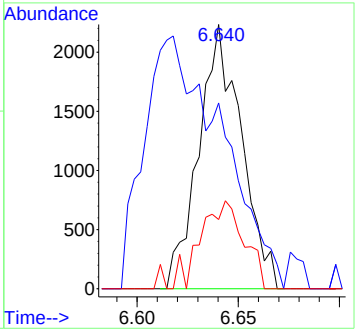


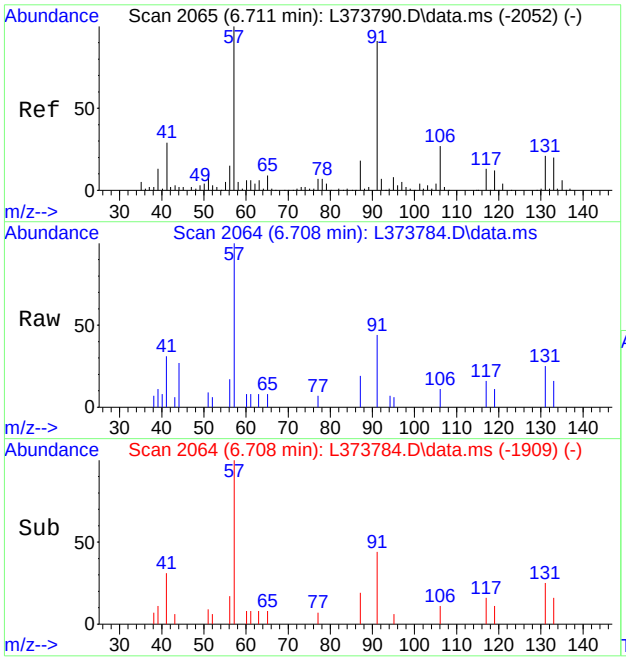


#85
chlorobenzene
Concen: 0.52 ug/L
RT: 6.640 min Scan# 2043
Delta R.T. 0.006 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion:112 Resp: 3273

Ion	Ratio	Lower	Upper
112	100		
77	70.2	30.8	90.8
114	26.2	2.4	62.4

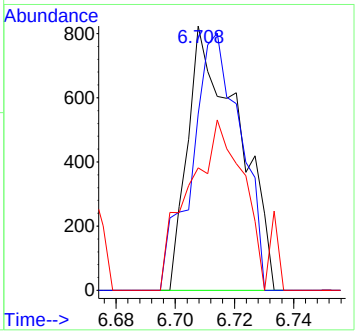


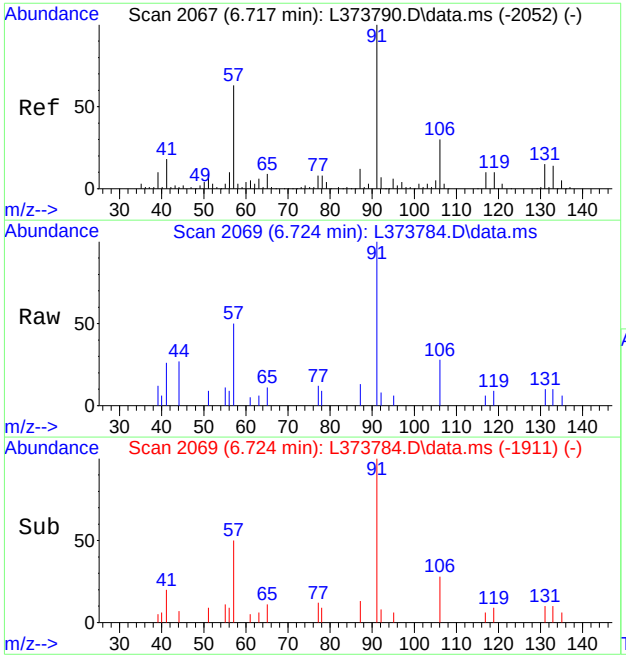


#86
1,1,1,2-tetrachloroethane
Concen: 0.42 ug/L
RT: 6.708 min Scan# 2064
Delta R.T. -0.003 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion:131 Resp: 978

Ion	Ratio	Lower	Upper
131	100		
133	66.6	65.1	125.1
119	46.4	30.8	90.8

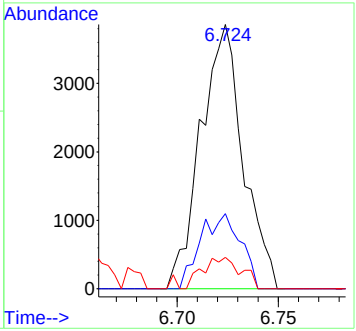


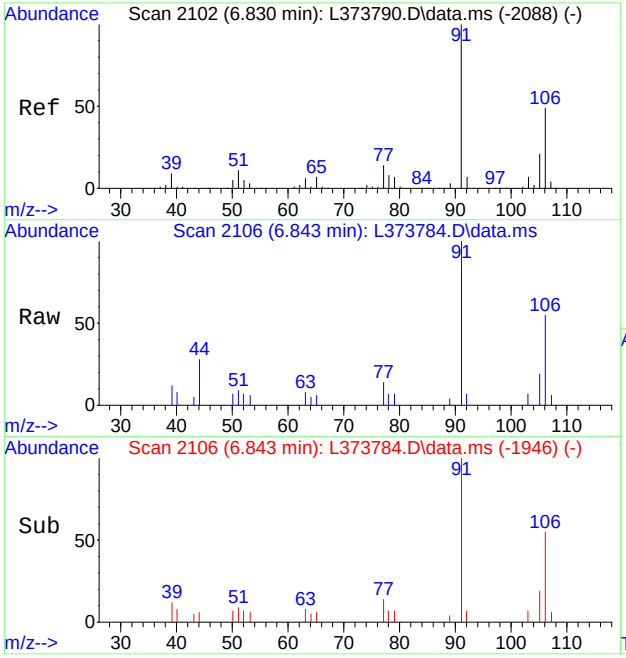


#87
ethylbenzene
Concen: 0.49 ug/L
RT: 6.724 min Scan# 2069
Delta R.T. 0.006 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 91 Resp: 5607

Ion	Ratio	Lower	Upper
91	100		
106	28.4	0.1	60.1
77	11.9	0.0	38.6

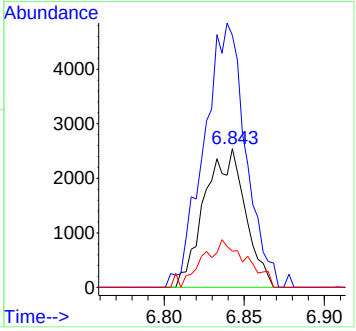


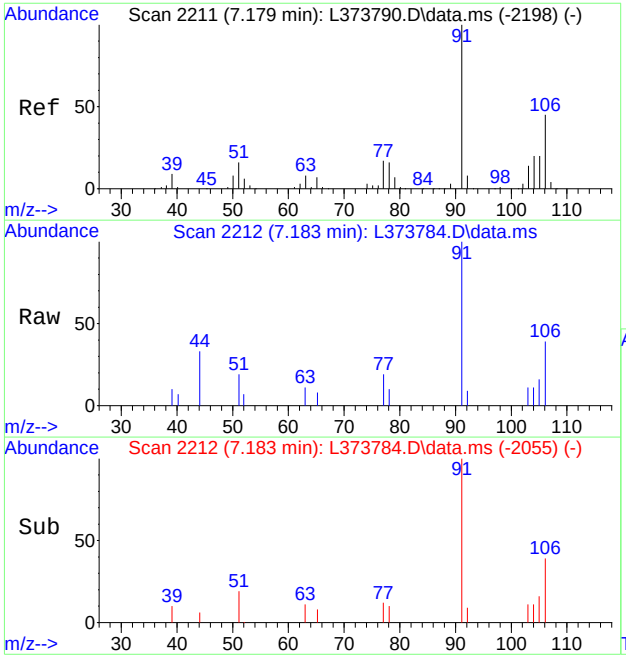


#88
m,p-xylene
Concen: 1.04 ug/L
RT: 6.843 min Scan# 2106
Delta R.T. 0.013 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion:106 Resp: 4478

Ion	Ratio	Lower	Upper
106	100		
91	181.5	175.7	235.7
77	26.1	8.1	48.1

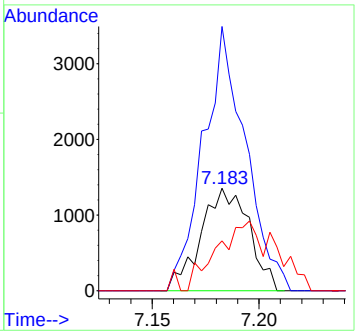


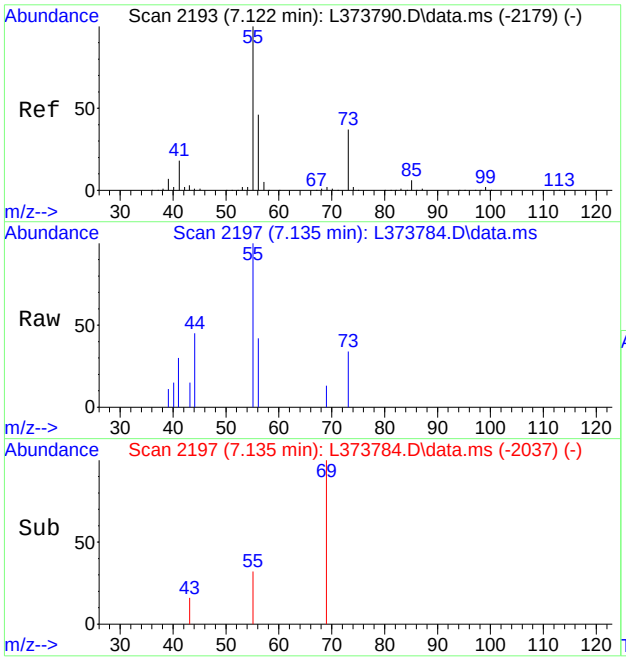


#89
o-xylene
Concen: 0.51 ug/L
RT: 7.183 min Scan# 2212
Delta R.T. 0.003 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion:106 Resp: 2123

Ion	Ratio	Lower	Upper
106	100		
91	257.7	194.5	254.5#
77	48.6	18.1	58.1

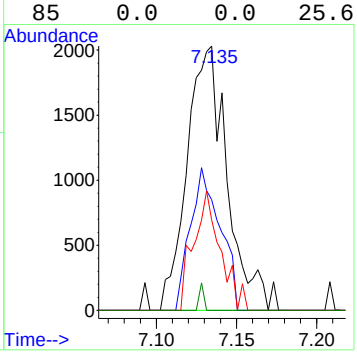


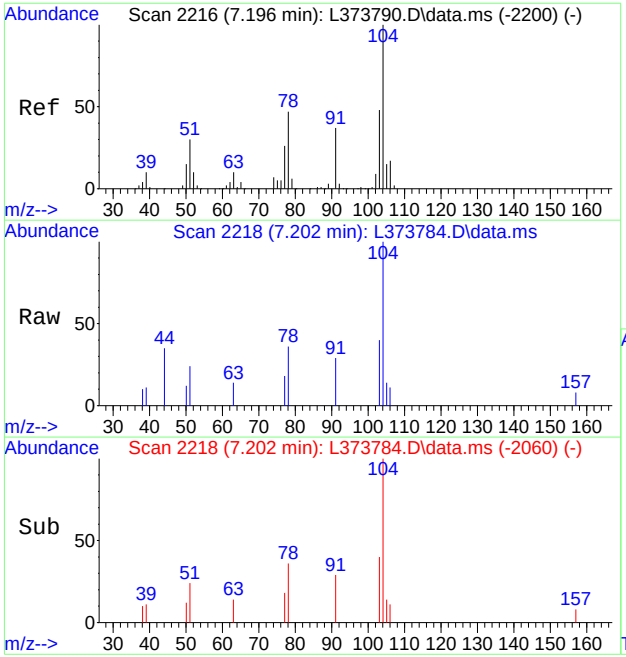


#90
butyl acrylate
Concen: 0.61 ug/L
RT: 7.135 min Scan# 2197
Delta R.T. 0.013 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 55 Resp: 3555

Ion	Ratio	Lower	Upper
55	100		
56	41.9	26.3	66.3
73	34.2	17.5	57.5
85	0.0	0.0	25.6

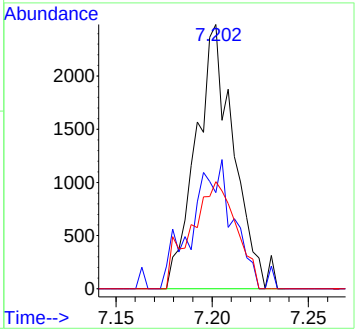


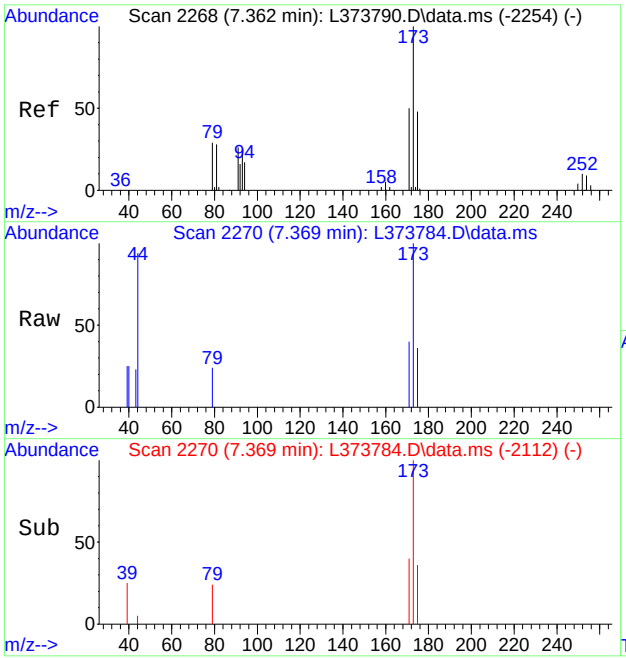


#91
styrene
Concen: 0.48 ug/L
RT: 7.202 min Scan# 2218
Delta R.T. 0.006 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion:104 Resp: 3408

Ion	Ratio	Lower	Upper
104	100		
78	36.4	16.8	76.8
103	40.5	17.7	77.7

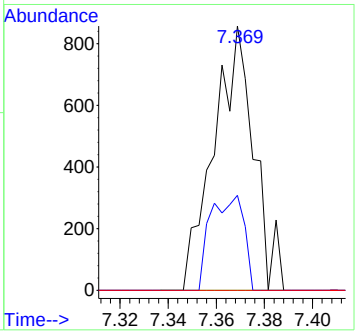


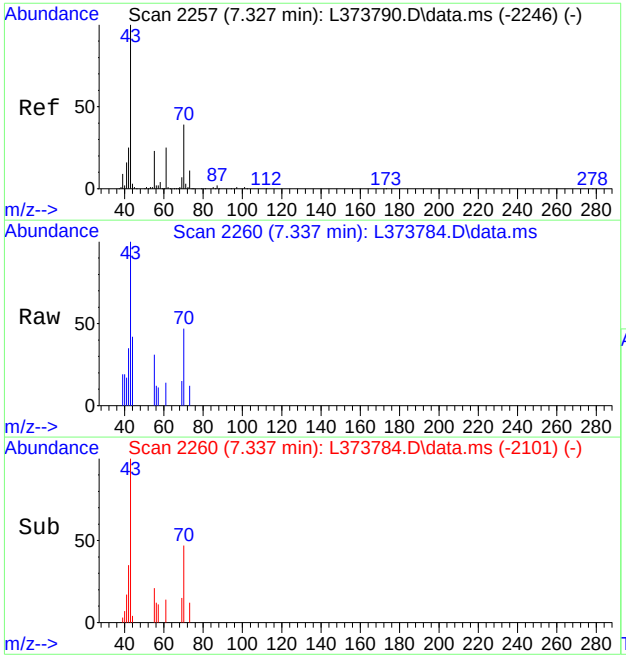


#92
bromoform
Concen: 0.52 ug/L
RT: 7.369 min Scan# 2270
Delta R.T. 0.006 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion:173 Resp: 996

Ion	Ratio	Lower	Upper
173	100		
175	35.9	17.8	77.8
254	0.0	0.0	39.4

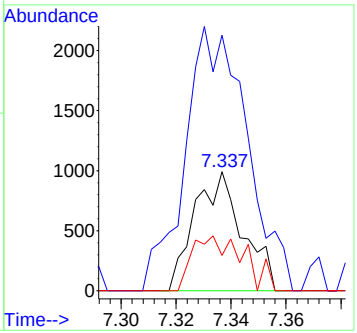


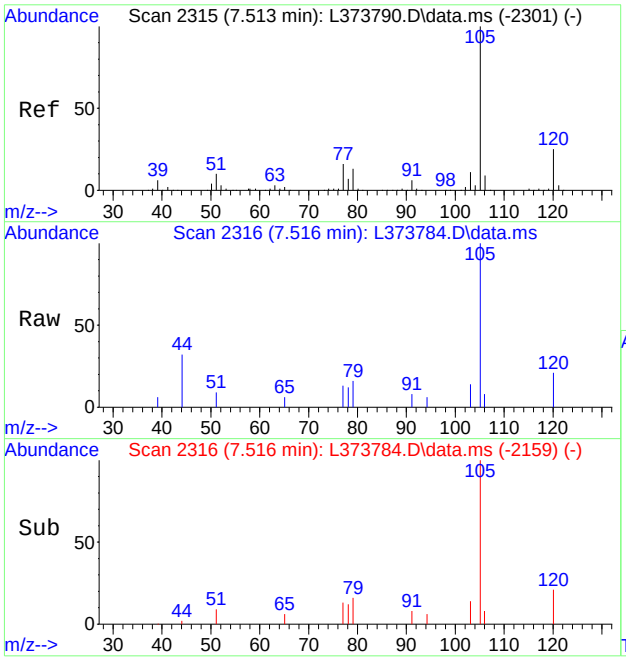


#93
n-amyl acetate
Concen: 0.55 ug/L
RT: 7.337 min Scan# 2260
Delta R.T. 0.010 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 70 Resp: 1209

Ion	Ratio	Lower	Upper
70	100		
43	178.3	233.4	273.4#
61	29.6	42.6	82.6#

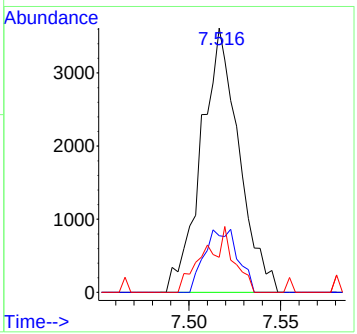


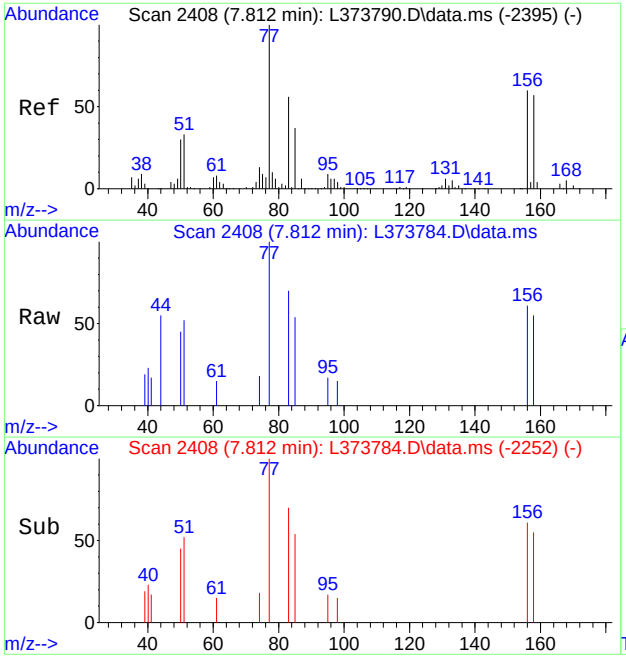


#94
isopropylbenzene
Concen: 0.50 ug/L
RT: 7.516 min Scan# 2316
Delta R.T. 0.003 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion:105 Resp: 5192

Ion	Ratio	Lower	Upper
105	100		
120	21.4	5.2	45.2
77	13.3	0.0	36.2

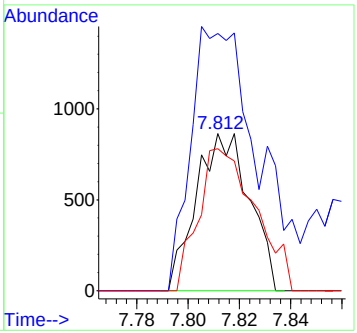


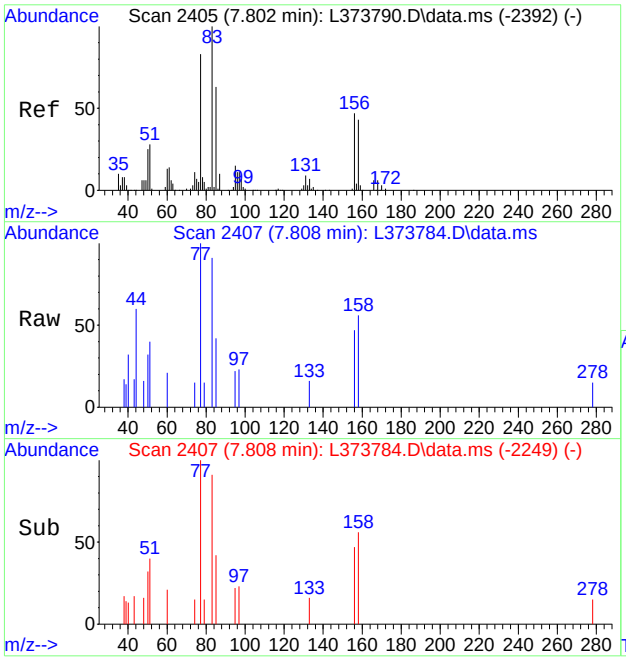


#98
bromobenzene
Concen: 0.48 ug/L
RT: 7.812 min Scan# 2408
Delta R.T. 0.000 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion:156 Resp: 1246

Ion	Ratio	Lower	Upper
156	100		
77	163.7	137.0	197.0
158	90.4	65.5	125.5

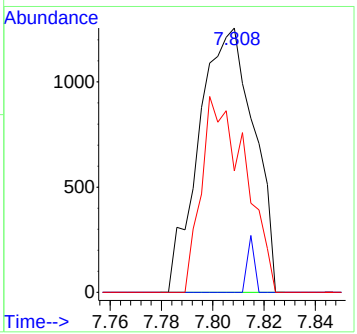


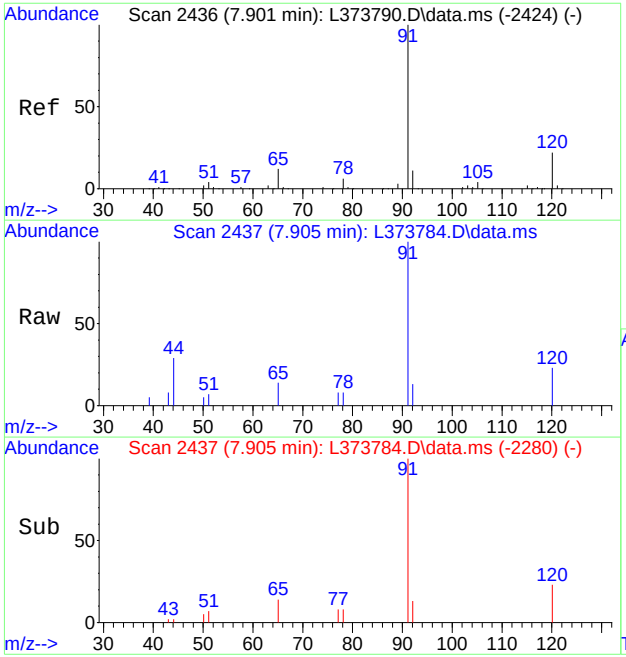


#99
1,1,2,2-tetrachloroethane
Concen: 0.49 ug/L
RT: 7.808 min Scan# 2407
Delta R.T. 0.006 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 83 Resp: 1868

Ion	Ratio	Lower	Upper
83	100		
131	0.0	0.0	38.9
85	45.9	33.3	93.3

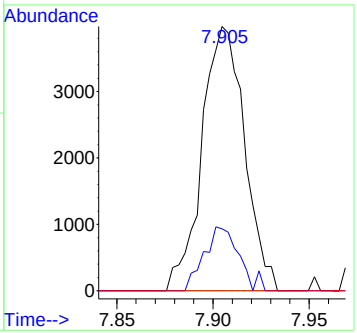


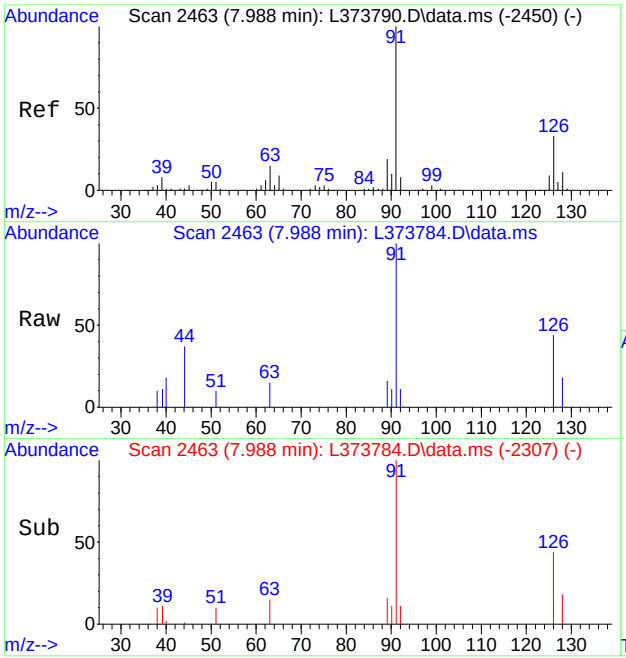


#102
n-propylbenzene
Concen: 0.48 ug/L
RT: 7.905 min Scan# 2437
Delta R.T. 0.003 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 91 Resp: 6140

Ion	Ratio	Lower	Upper
91	100		
120	23.4	0.0	51.5
105	0.0	0.0	33.7

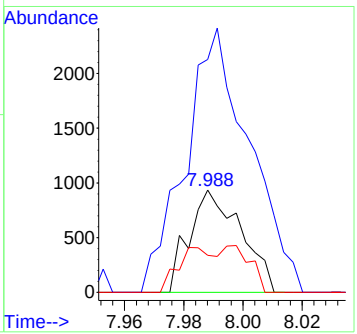


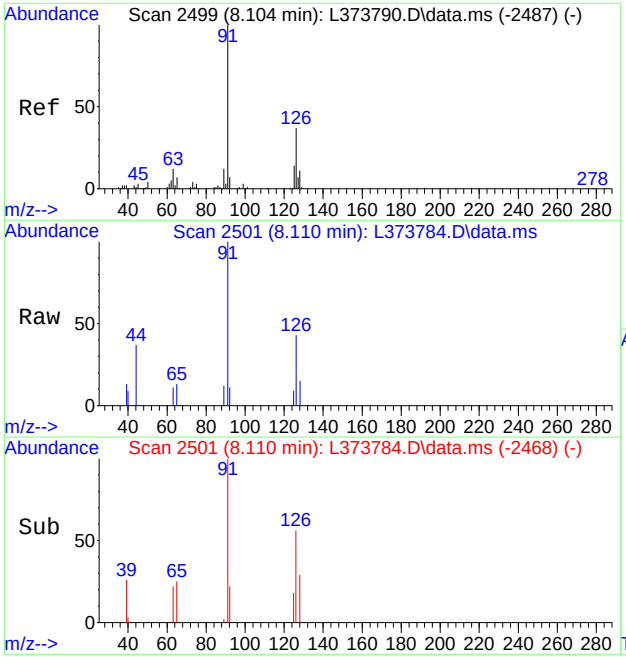


#103
2-chlorotoluene
Concen: 0.46 ug/L
RT: 7.988 min Scan# 2463
Delta R.T. 0.000 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion:126 Resp: 1138

Ion	Ratio	Lower	Upper
126	100		
91	188.4	276.4	336.4#
89	36.1	28.8	88.8

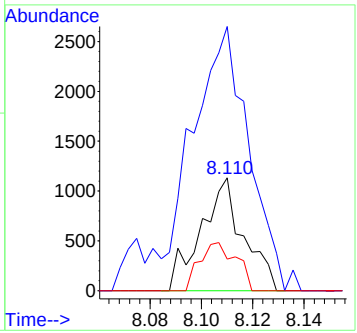


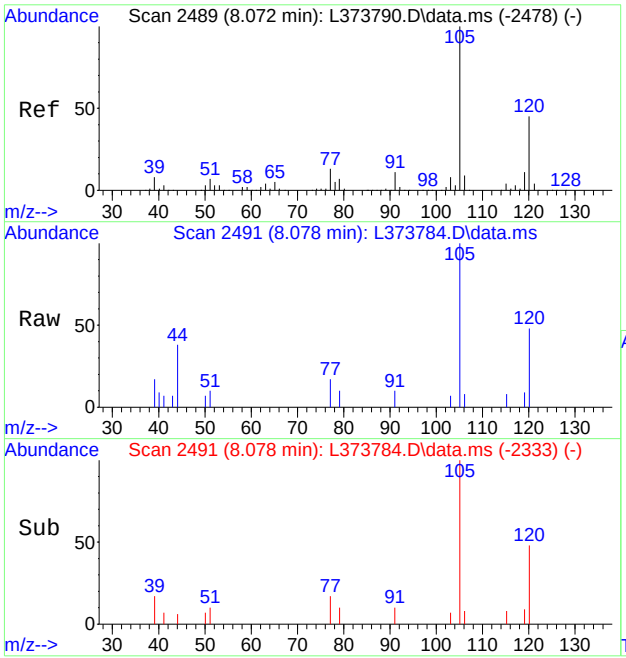


#104
4-chlorotoluene
Concen: 0.51 ug/L
RT: 8.110 min Scan# 2501
Delta R.T. 0.006 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion:126 Resp: 1305

Ion	Ratio	Lower	Upper
126	100		
91	234.3	265.5	325.5#
89	28.2	5.5	65.5

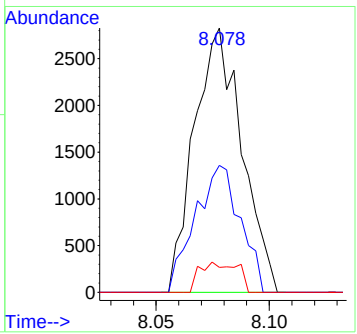


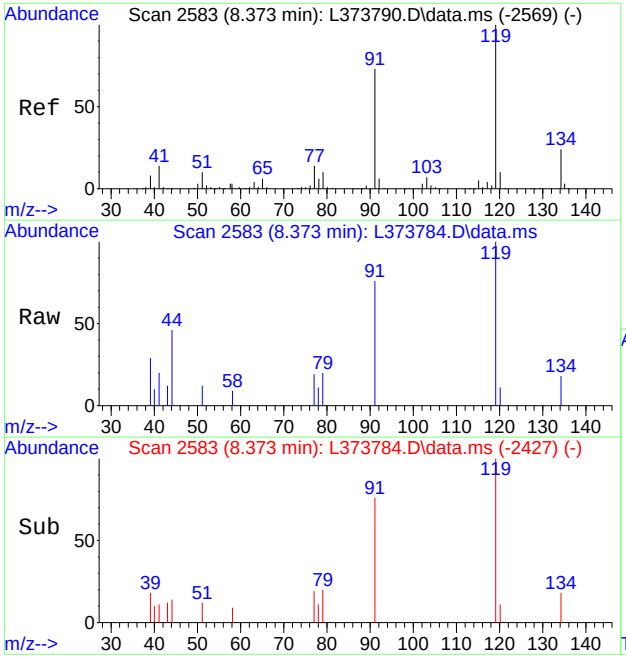


#105
1,3,5-trimethylbenzene
Concen: 0.46 ug/L
RT: 8.078 min Scan# 2491
Delta R.T. 0.006 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion:105 Resp: 4131

Ion	Ratio	Lower	Upper
105	100		
120	48.1	14.9	74.9
119	9.5	0.0	40.8

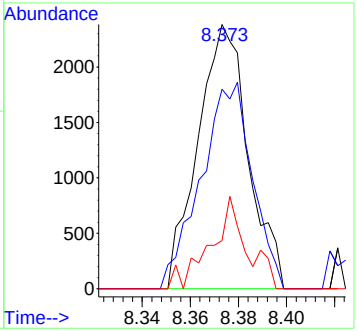


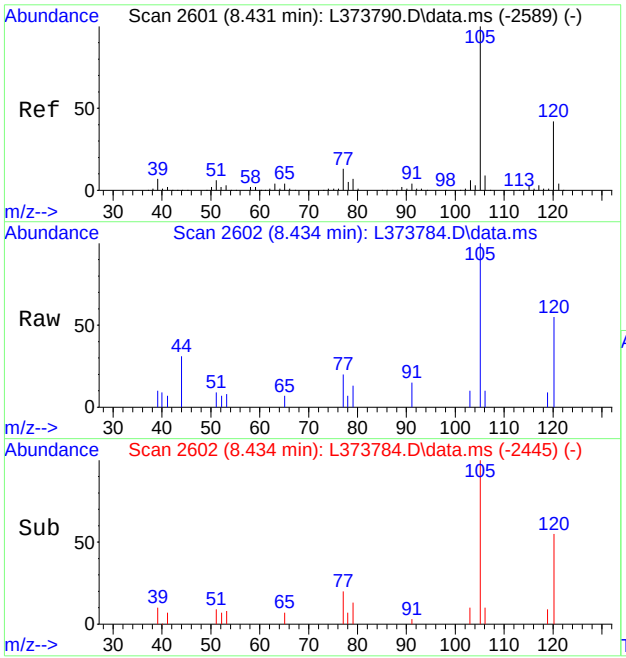


#106
tert-butylbenzene
Concen: 0.50 ug/L
RT: 8.373 min Scan# 2583
Delta R.T. 0.000 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion:119 Resp: 3463

Ion	Ratio	Lower	Upper
119	100		
91	75.5	42.9	102.9
134	18.3	0.0	54.4

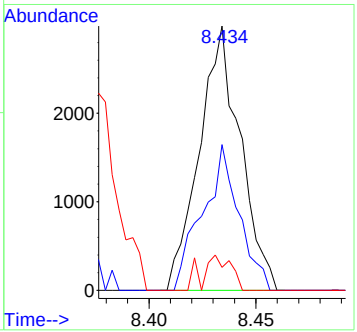


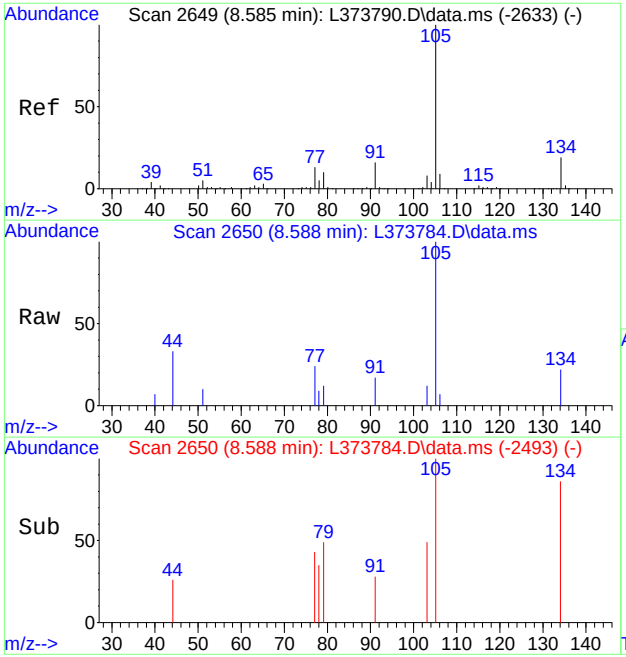


#107
1,2,4-trimethylbenzene
Concen: 0.44 ug/L
RT: 8.434 min Scan# 2602
Delta R.T. 0.003 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion:105 Resp: 3975

Ion	Ratio	Lower	Upper
105	100		
120	55.2	13.1	73.1
119	8.7	0.0	41.9

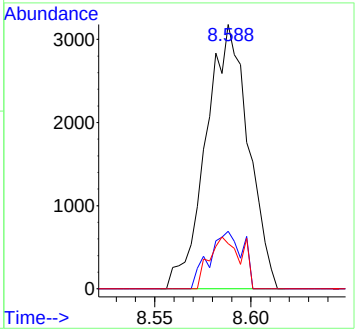


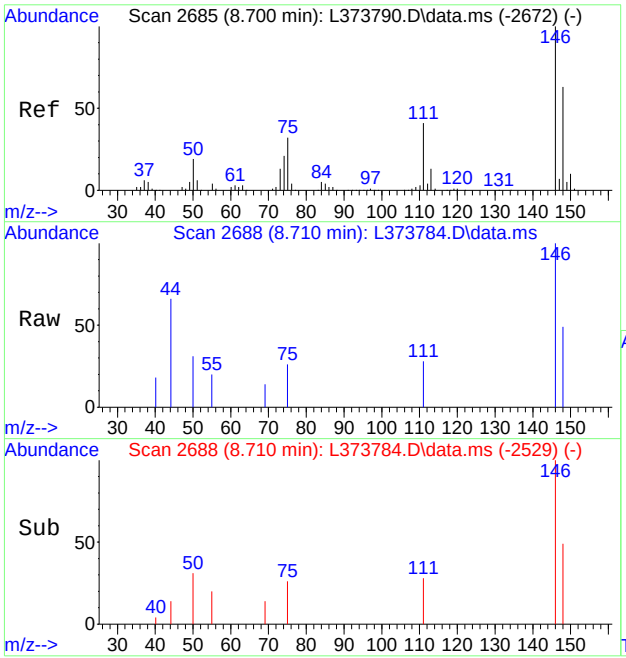


#108
sec-butylbenzene
Concen: 0.47 ug/L
RT: 8.588 min Scan# 2650
Delta R.T. 0.003 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion:105 Resp: 4885

Ion	Ratio	Lower	Upper
105	100		
134	21.7	0.0	48.8
91	17.1	0.0	45.9

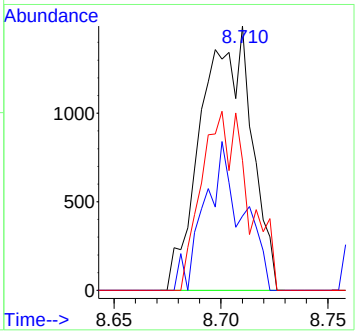


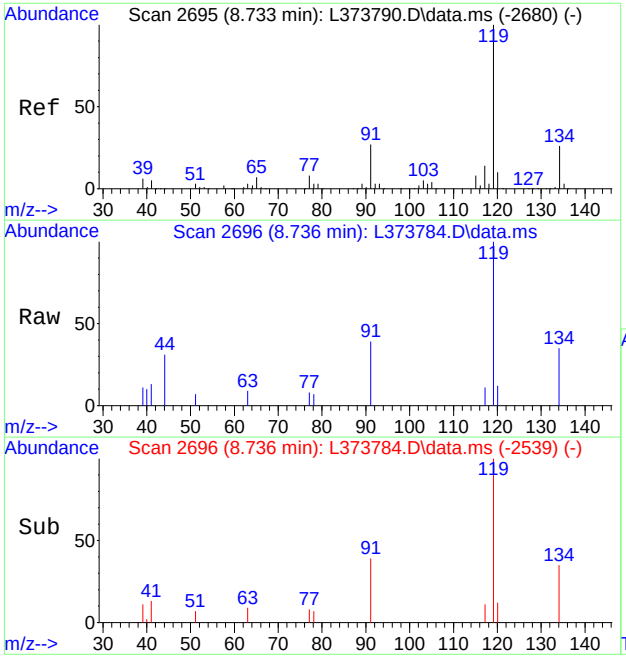


#109
1,3-dichlorobenzene
Concen: 0.51 ug/L
RT: 8.710 min Scan# 2688
Delta R.T. 0.010 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion:146 Resp: 2434

Ion	Ratio	Lower	Upper
146	100		
111	28.1	11.0	71.0
148	49.2	33.0	93.0

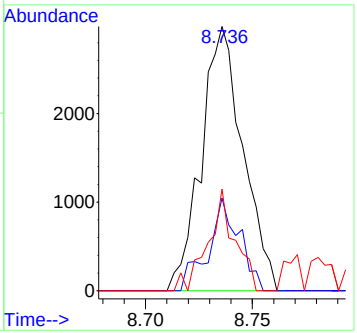


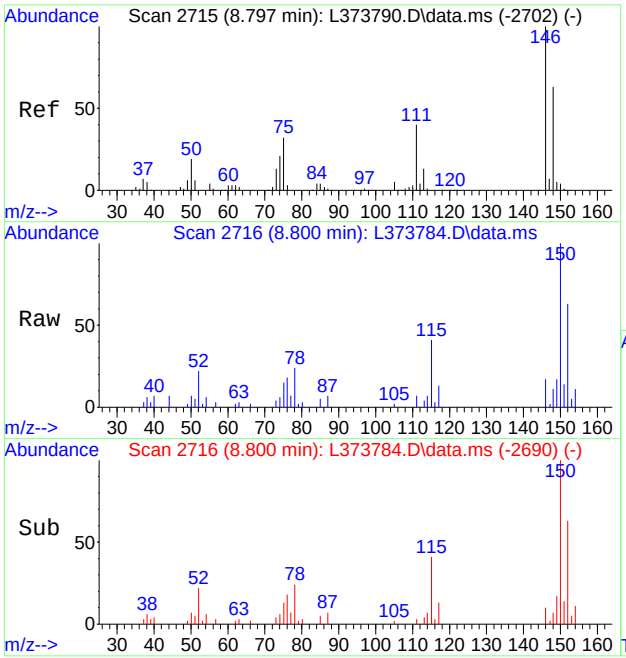


#110
p-isopropyltoluene
Concen: 0.47 ug/L
RT: 8.736 min Scan# 2696
Delta R.T. 0.003 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion:119 Resp: 4037

Ion	Ratio	Lower	Upper
119	100		
134	35.1	0.0	56.5
91	38.5	0.0	56.9

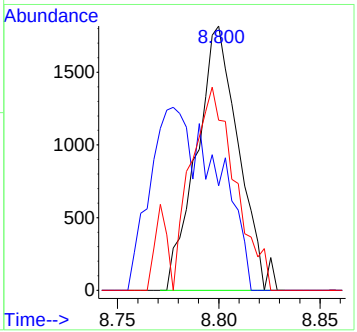


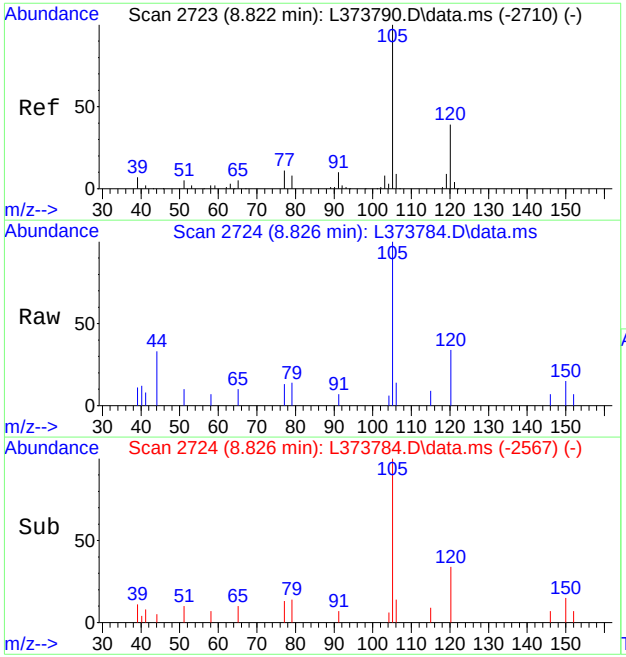


#111
1,4-dichlorobenzene
Concen: 0.55 ug/L
RT: 8.800 min Scan# 2716
Delta R.T. 0.003 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion:146 Resp: 2622

Ion	Ratio	Lower	Upper
146	100		
111	39.6	9.7	69.7
148	64.3	33.0	93.0

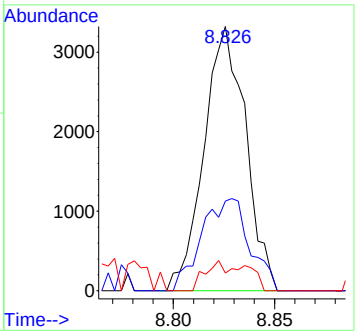


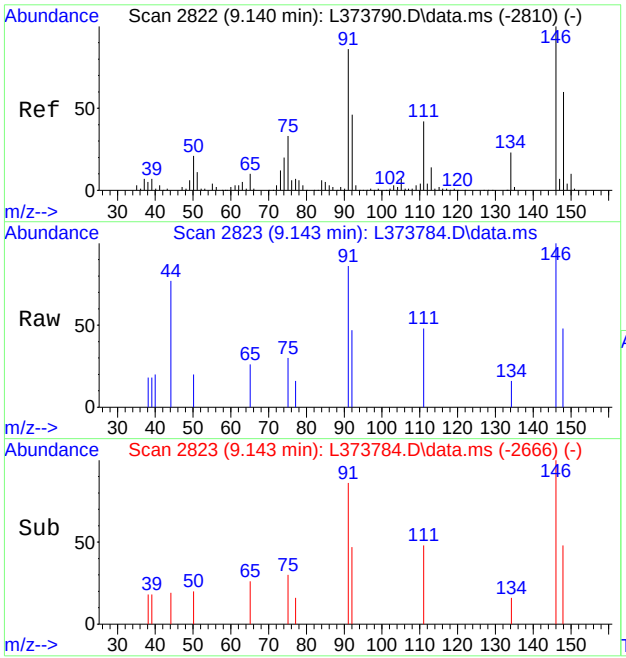


#112
1,2,3-trimethylbenzene
Concen: 0.51 ug/L
RT: 8.826 min Scan# 2724
Delta R.T. 0.003 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion:105 Resp: 4751

Ion	Ratio	Lower	Upper
105	100		
120	33.9	8.8	68.8
91	6.7	0.0	40.2

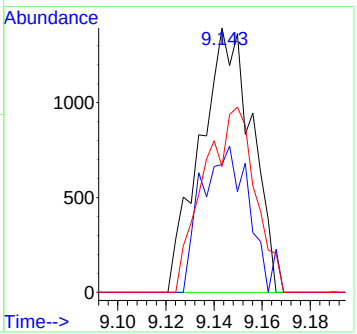


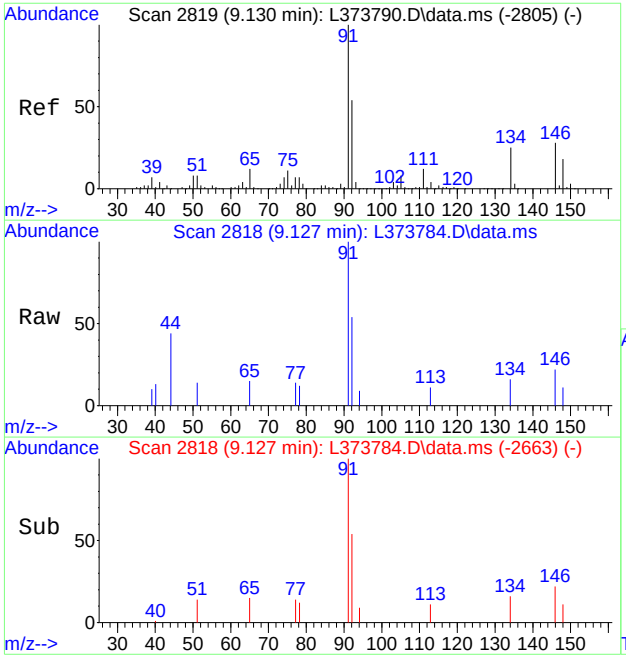


#113
1,2-dichlorobenzene
Concen: 0.45 ug/L
RT: 9.143 min Scan# 2823
Delta R.T. 0.003 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion:146 Resp: 2075

Ion	Ratio	Lower	Upper
146	100		
111	48.4	12.1	72.1
148	47.6	30.4	90.4

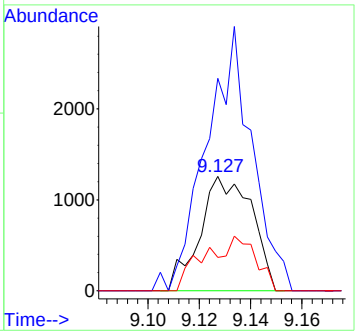


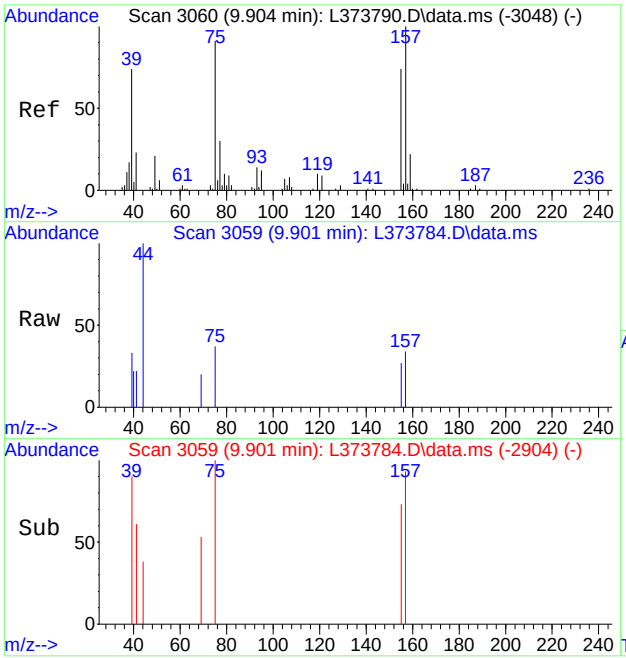


#114
n-butylbenzene
Concen: 0.41 ug/L
RT: 9.127 min Scan# 2818
Delta R.T. -0.003 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 92 Resp: 1768

Ion	Ratio	Lower	Upper
92	100		
91	169.8	155.4	215.4
134	29.2	15.6	75.6

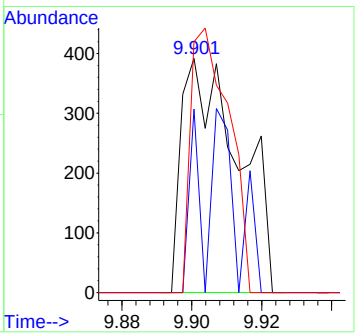


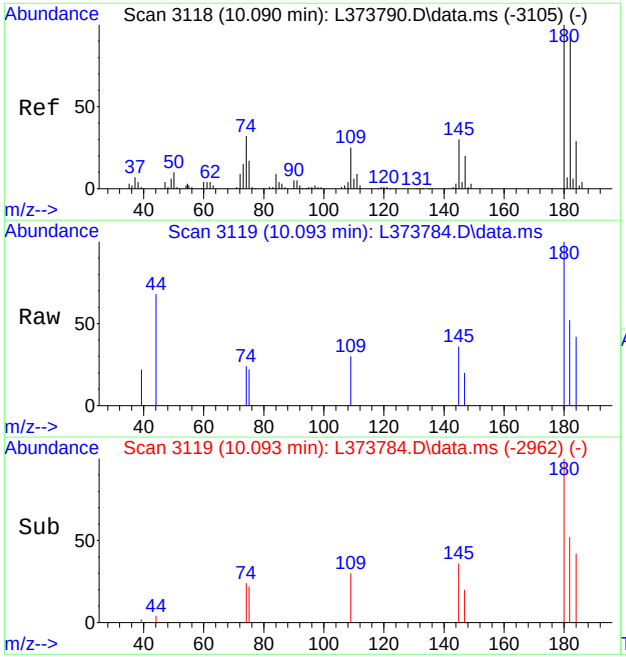


#115
1,2-dibromo-3-chloropropane
Concen: 0.42 ug/L
RT: 9.901 min Scan# 3059
Delta R.T. -0.003 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion:157 Resp: 444

Ion	Ratio	Lower	Upper
157	100		
155	78.3	44.1	104.1
75	107.1	60.9	120.9

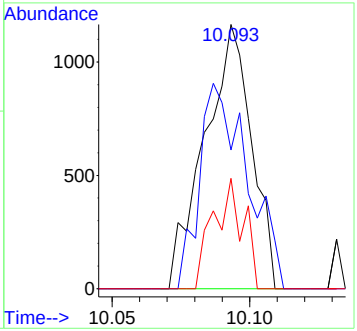


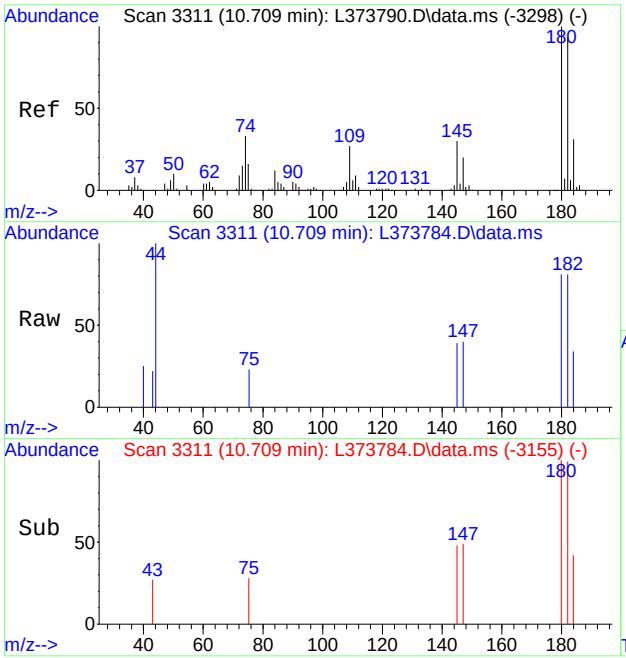


#116
1,3,5-trichlorobenzene
Concen: 0.45 ug/L
RT: 10.093 min Scan# 3119
Delta R.T. 0.003 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion:180 Resp: 1386

Ion	Ratio	Lower	Upper
180	100		
182	52.5	65.0	125.0#
184	41.8	0.0	59.4

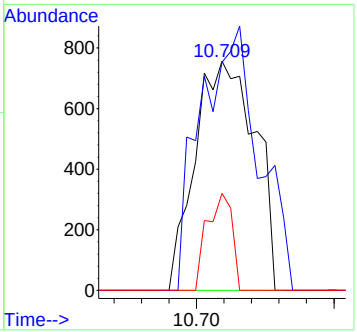


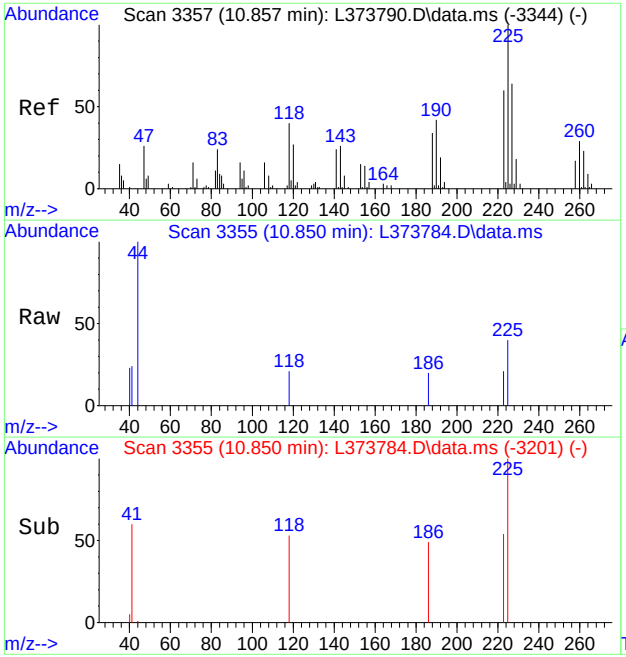


#117
1,2,4-trichlorobenzene
Concen: 0.42 ug/L
RT: 10.709 min Scan# 3311
Delta R.T. 0.000 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion:180 Resp: 1153

Ion	Ratio	Lower	Upper
180	100		
182	99.5	63.1	123.1
184	42.3	0.8	60.8

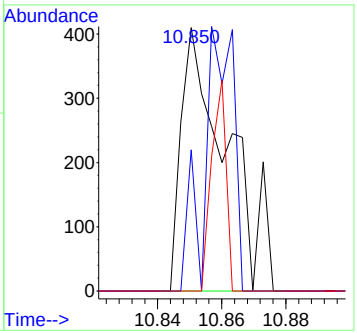


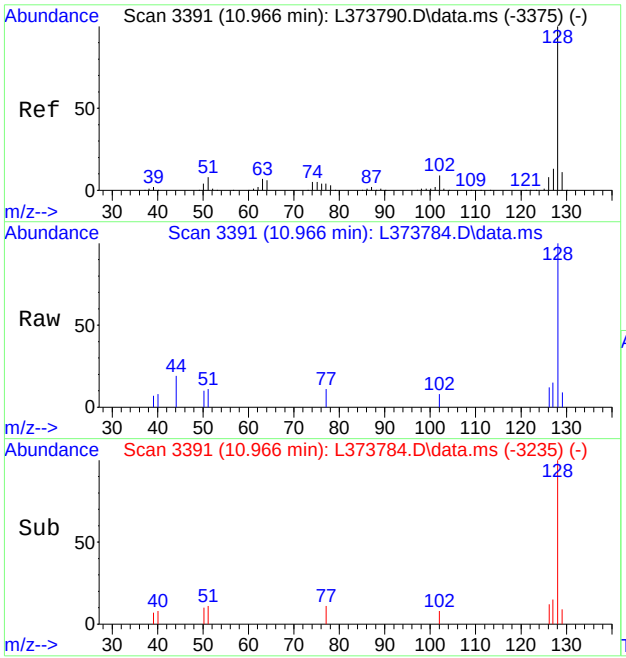


#118
hexachlorobutadiene
Concen: 0.40 ug/L
RT: 10.850 min Scan# 3355
Delta R.T. -0.006 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion:225 Resp: 408

Ion	Ratio	Lower	Upper
225	100		
223	53.7	30.0	90.0
227	0.0	33.8	93.8#

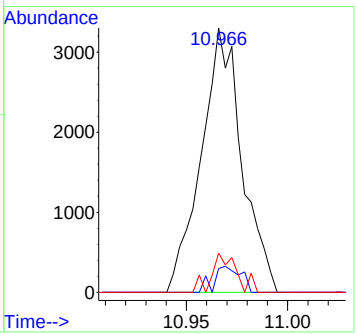


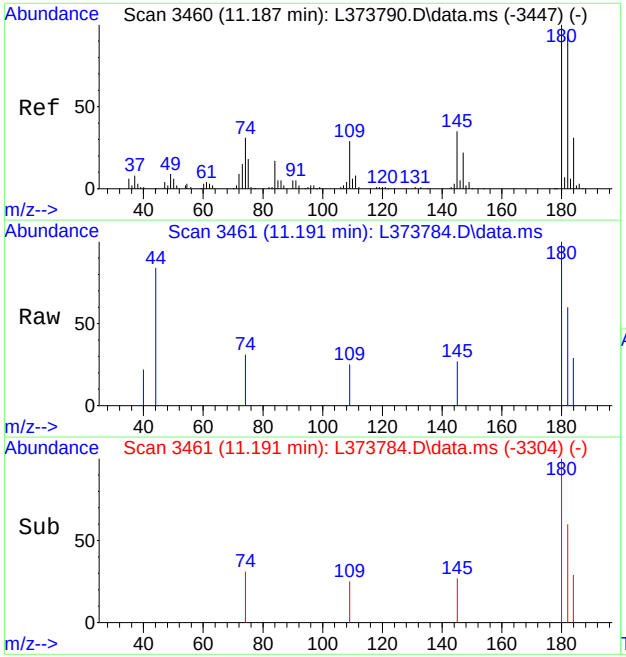


#119
naphthalene
Concen: 0.47 ug/L
RT: 10.966 min Scan# 3391
Delta R.T. 0.000 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion:128 Resp: 4609

Ion	Ratio	Lower	Upper
128	100		
129	9.1	0.0	41.1
127	14.9	0.0	42.9

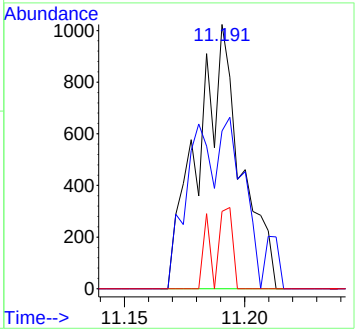


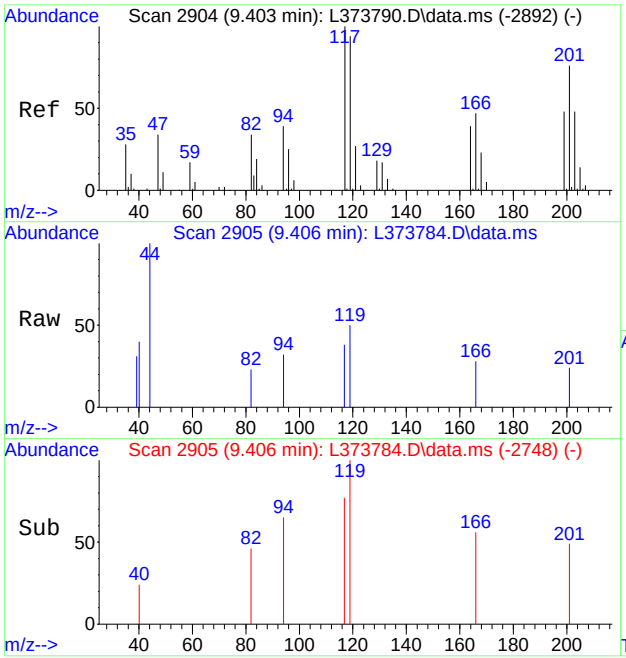


#120
1,2,3-trichlorobenzene
Concen: 0.51 ug/L
RT: 11.191 min Scan# 3461
Delta R.T. 0.003 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion:180 Resp: 1275

Ion	Ratio	Lower	Upper
180	100		
182	59.7	63.9	123.9#
184	29.3	1.2	61.2

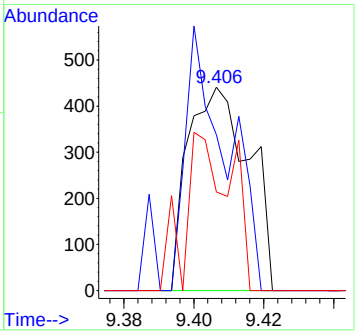


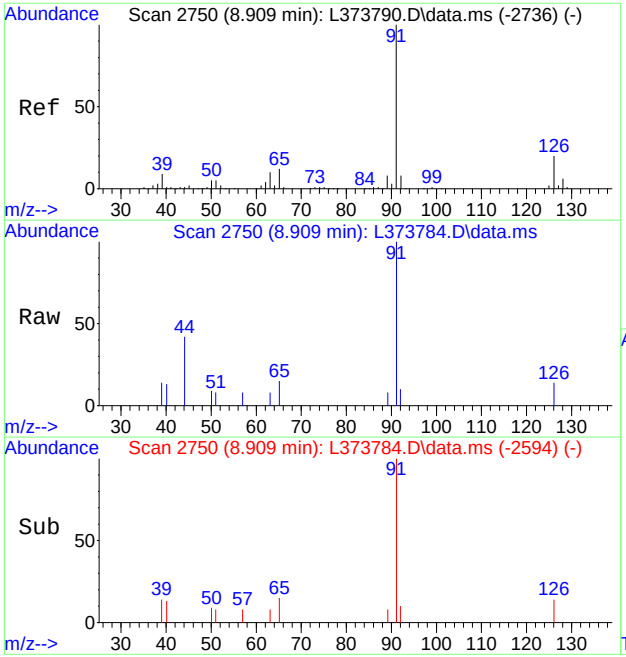


#121
hexachloroethane
Concen: 0.39 ug/L
RT: 9.406 min Scan# 2905
Delta R.T. 0.003 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion:119 Resp: 536

Ion	Ratio	Lower	Upper
119	100		
117	76.6	76.2	136.2
201	48.5	51.2	111.2#

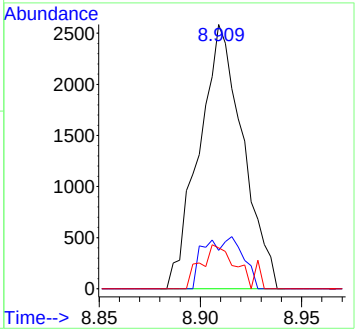


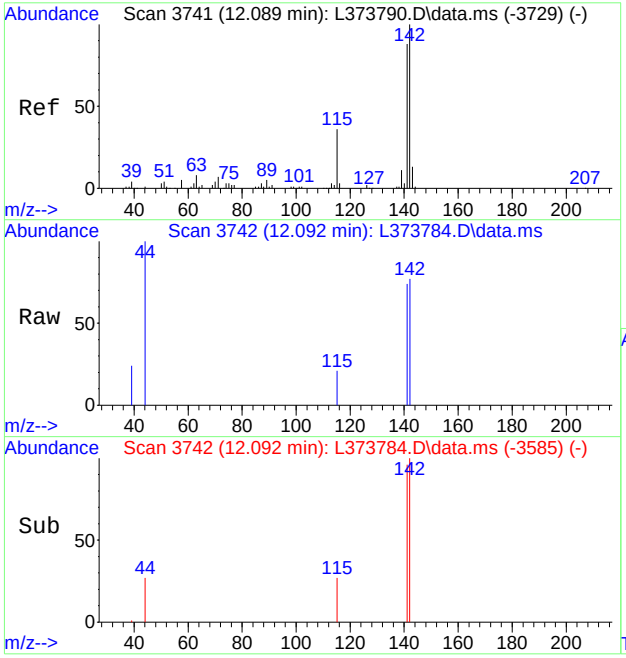


#122
benzyl chloride
Concen: 0.51 ug/L
RT: 8.909 min Scan# 2750
Delta R.T. 0.000 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion: 91 Resp: 3876

Ion	Ratio	Lower	Upper
91	100		
126	14.5	0.0	49.8
65	15.5	0.0	41.8

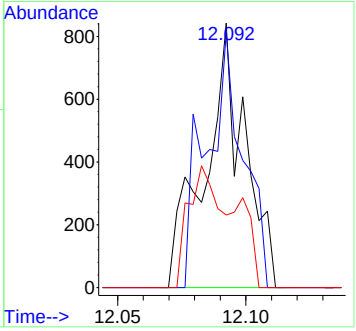




#123
2-methylnaphthalene
Concen: 0.24 ug/L
RT: 12.092 min Scan# 3742
Delta R.T. 0.003 min
Lab File: L373784.D
Acq: 16 Oct 2025 6:25 pm

Tgt Ion:142 Resp: 905

Ion	Ratio	Lower	Upper
142	100		
141	96.3	68.0	108.0
115	27.4	15.9	55.9



Manual Integration Approval Summary

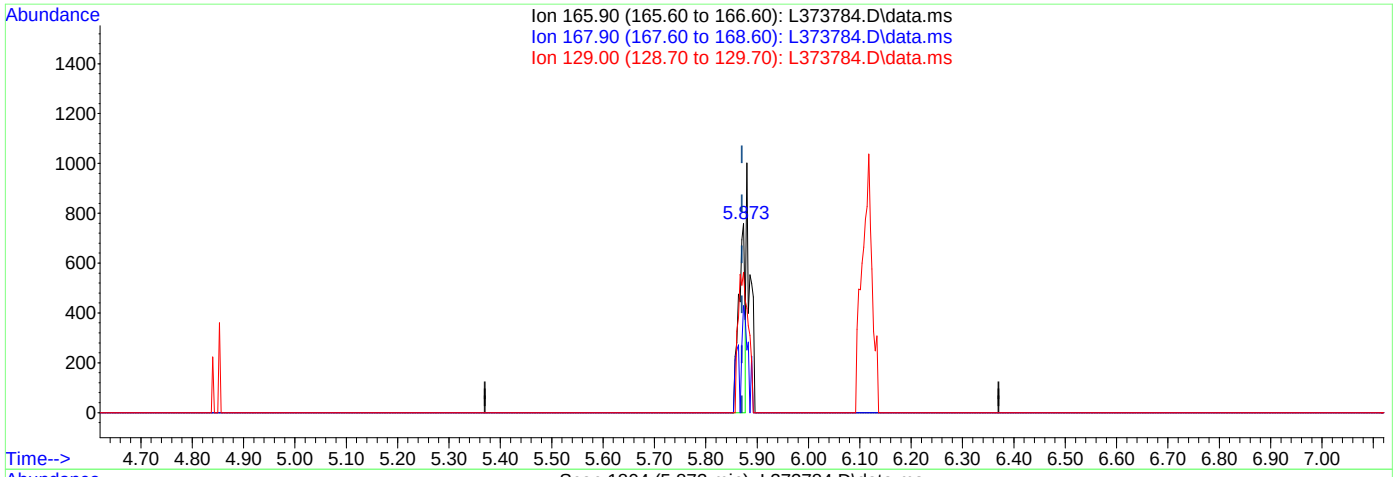
Sample Number:	VL11472-IC11472	**Method:**	SW846 8260D
Lab FileID:	L373784.D	**Analyst approved:**	10/19/25 11:25 MoHui Huang
Injection Time:	10/16/25 18:25	**Supervisor approved:**	10/20/25 12:58 Kanya Veerawat

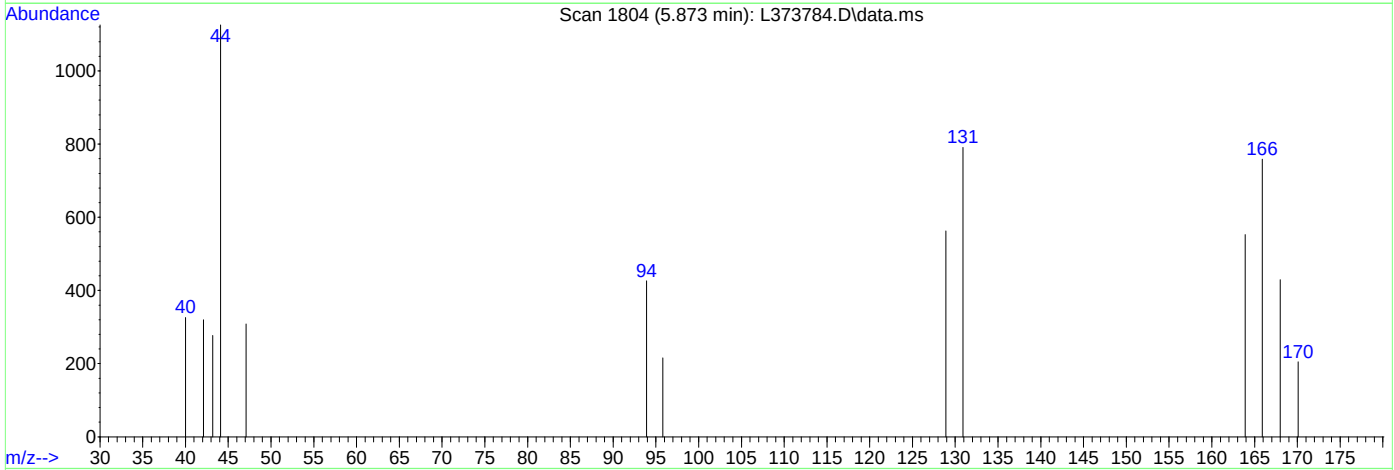
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,1,2-Trichloroethane	79-00-5		5.80	Split peak
Tetrachloroethene	127-18-4		5.88	Split peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373784.D
Acq On : 16 Oct 2025 6:25 pm
Operator : BridgetK
Sample : ic11472-0.5
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 17 09:45:32 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 09:45:21 2025
Response via : Initial Calibration





TIC: L373784.D\data.ms

(79) tetrachloroethene

5.873min (+0.003) 0.24ug/L

response 626

Ion	Exp%	Act%
165.90	100	100
167.90	49.70	56.52
129.00	72.40	74.18
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 10/20/25 12:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373785.D
Acq On : 16 Oct 2025 6:50 pm
Operator : BridgetK
Sample : ic11472-1
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 17 10:24:40 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 09:53:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	2.607	65	250999	500.00	ug/L	0.00
5) pentafluorobenzene	3.752	168	233835	50.00	ug/L	0.00
51) 1,4-difluorobenzene	4.288	114	379810	50.00	ug/L	0.00
72) chlorobenzene-d5	6.611	117	305142	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	8.774	152	149724	50.00	ug/L	0.00
124) pentafluorobenzene(a)	3.752	168	233835	50.00	ug/L	0.00
131) 1,4-dichlorobenzene-d4(a)	8.774	152	149724	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	3.752	113	122828	50.35	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.70%			
52) 1,2-dichloroethane-d4 (s)	3.990	65	139376	50.39	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 100.78%			
73) toluene-d8 (s)	5.392	98	440436	50.48	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.96%			
97) 4-bromofluorobenzene (s)	7.677	95	158167	49.10	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.20%			
Target Compounds						Qvalue
3) ethanol	2.087	45	7625	141.3684	ug/L	90
4) tertiary butyl alcohol	2.658	59	3643	5.0679	ug/L	98
6) chlorodifluoromethane	1.365	51	3028	0.8714	ug/L	90
7) dichlorodifluoromethane	1.352	85	2876	0.8174	ug/L	97
8) chloromethane	1.484	50	3308	0.9041	ug/L	85
9) vinyl chloride	1.554	62	3166	0.9247	ug/L	97
10) 1,3-butadiene	1.583	54	2791	0.8969	ug/L	85
11) bromomethane	1.766	96	898	1.0451	ug/L #	29
12) chloroethane	1.846	64	1678	1.1765	ug/L	94
13) trichlorofluoromethane	2.000	101	3370	0.7890	ug/L	97
14) ethyl ether	2.161	74	1199	0.8540	ug/L #	82
16) freon 113	2.318	151	1180	0.6136	ug/L	88
17) 1,1-dichloroethene	2.324	96	1570	0.7132	ug/L	93
18) acetone	2.337	58	1442	3.0905	ug/L	87
22) carbon disulfide	2.478	76	6161	0.8860	ug/L	92
23) methylene chloride	2.629	84	2379	0.8377	ug/L #	77
25) methyl tert butyl ether	2.786	73	5963	0.8606	ug/L	90
26) trans-1,2-dichloroethene	2.796	96	2200	0.8948	ug/L	88
27) hexane	2.963	57	2074	0.6492	ug/L	91
28) di-isopropyl ether	3.069	45	6604	0.8852	ug/L	89
29) ethyl tert-butyl ether	3.303	59	6348	0.8087	ug/L	93
30) 2-butanone	3.419	72	1687	3.2345	ug/L #	56
31) 1,1-dichloroethane	3.066	63	4044	0.8749	ug/L	93
32) chloroprene	3.114	53	2913	0.6579	ug/L	80
33) acrylonitrile	2.761	53	1355	0.9776	ug/L	89
36) 2,2-dichloropropane	3.438	77	3655	0.8587	ug/L	90
37) cis-1,2-dichloroethene	3.435	96	2452	0.9242	ug/L	84
38) propionitrile	3.457	54	6527	8.5930	ug/L	77
40) bromochloromethane	3.589	128	1154	1.0716	ug/L #	77
42) chloroform	3.646	83	5678	1.1400	ug/L	96
45) 1,1,1-trichloroethane	3.768	97	3096	0.7149	ug/L #	1
46) cyclohexane	3.820	84	2622	0.7014	ug/L #	81
47) 1,1-dichloropropene	3.881	75	2567	0.7690	ug/L	84
48) carbon tetrachloride	3.881	117	2503	0.6893	ug/L	87
50) tert amyl alcohol	3.990	55	1535	5.7590	ug/L #	35
53) tert-amyl methyl ether	4.080	73	6200	0.8548	ug/L	93
54) 2,2,4-trimethylpentane	4.086	57	4071	0.7218	ug/L	86
55) n-butyl alcohol	4.362	56	9995	49.6246	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373785.D
Acq On : 16 Oct 2025 6:50 pm
Operator : BridgetK
Sample : ic11472-1
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 17 10:24:40 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 09:53:09 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
56)	benzene	4.015	78	8322	0.7912	ug/L		95
57)	heptane	4.198	57	790m	0.6335	ug/L		
58)	1,2-dichloroethane	4.038	62	3432	0.9043	ug/L		93
59)	trichloroethene	4.465	95	1924	0.7688	ug/L		86
60)	ethyl acrylate	4.500	55	4296	0.9905	ug/L		82
62)	2-chloroethyl vinyl ether	5.046	63	3739	4.3971	ug/L		73
64)	1,2-dichloropropane	4.664	63	2158	0.8390	ug/L		89
65)	methylcyclohexane	4.648	83	2322	0.6826	ug/L		82
66)	dibromomethane	4.728	93	1568	0.9111	ug/L		96
67)	bromodichloromethane	4.847	83	3100	0.8702	ug/L		97
68)	cis-1,3-dichloropropene	5.177	75	3251	0.7682	ug/L		75
69)	epichlorohydrin	5.097	57	2306	4.5907	ug/L		92
70)	4-methyl-2-pentanone	5.280	58	5862	3.7503	ug/L	#	80
71)	3-methyl-1-butanol	5.321	70	3649	19.5816	ug/L	#	64
74)	toluene	5.453	92	5150	0.7695	ug/L		81
75)	trans-1,3-dichloropropene	5.623	75	3331	0.8679	ug/L		93
76)	ethyl methacrylate	5.655	69	3741	0.9227	ug/L		98
77)	1,1,2-trichloroethane	5.787	83	1808	0.9006	ug/L		93
78)	2-hexanone	5.957	58	6836	3.9834	ug/L		84
79)	tetrachloroethene	5.873	166	1904	0.7355	ug/L		96
80)	1,3-dichloropropane	5.928	76	3373	0.8569	ug/L		91
81)	butyl acetate	6.047	56	2262	0.9567	ug/L	#	63
82)	dibromochloromethane	6.114	129	2283	0.8251	ug/L	#	63
83)	1,2-dibromoethane	6.210	107	2022	0.7967	ug/L		77
84)	n-butyl ether	6.708	57	9590	0.9114	ug/L		98
85)	chlorobenzene	6.634	112	6497	1.0015	ug/L		94
86)	1,1,1,2-tetrachloroethane	6.708	131	1860	0.8588	ug/L	#	68
87)	ethylbenzene	6.717	91	10081	0.8838	ug/L		96
88)	m,p-xylene	6.839	106	7802	1.7574	ug/L		92
89)	o-xylene	7.183	106	3965	0.9338	ug/L	#	72
90)	butyl acrylate	7.128	55	5935	0.9108	ug/L		95
91)	styrene	7.199	104	6511	0.9232	ug/L		95
92)	bromoform	7.369	173	1624	0.8250	ug/L		86
93)	n-amyl acetate	7.327	70	2385	1.0243	ug/L	#	85
94)	isopropylbenzene	7.513	105	8931	0.8523	ug/L		96
98)	bromobenzene	7.812	156	2366	0.9087	ug/L		97
99)	1,1,2,2-tetrachloroethane	7.805	83	4023	1.0443	ug/L		88
101)	1,2,3-trichloropropane	7.853	110	1184	1.0331	ug/L		85
102)	n-propylbenzene	7.901	91	11004	0.8557	ug/L		96
103)	2-chlorotoluene	7.988	126	2291	0.9452	ug/L	#	70
104)	4-chlorotoluene	8.100	126	2425	0.9160	ug/L	#	49
105)	1,3,5-trimethylbenzene	8.072	105	7962	0.8998	ug/L		89
106)	tert-butylbenzene	8.367	119	6270	0.8849	ug/L		97
107)	1,2,4-trimethylbenzene	8.428	105	8138	0.9342	ug/L		84
108)	sec-butylbenzene	8.585	105	8656	0.8370	ug/L		95
109)	1,3-dichlorobenzene	8.704	146	4601	0.9347	ug/L		91
110)	p-isopropyltoluene	8.736	119	6872	0.8038	ug/L		99
111)	1,4-dichlorobenzene	8.797	146	5033	0.9781	ug/L		89
112)	1,2,3-trimethylbenzene	8.826	105	8910	0.9226	ug/L		94
113)	1,2-dichlorobenzene	9.143	146	4588	1.0245	ug/L		91
114)	n-butylbenzene	9.130	92	3685	0.9140	ug/L	#	79
115)	1,2-dibromo-3-chloropr...	9.901	157	1078	1.0889	ug/L	#	80
116)	1,3,5-trichlorobenzene	10.090	180	2595	0.8631	ug/L		84
117)	1,2,4-trichlorobenzene	10.703	180	2342	0.9103	ug/L		76
118)	hexachlorobutadiene	10.857	225	804	0.8512	ug/L		77
119)	naphthalene	10.969	128	9053	0.9243	ug/L		91
120)	1,2,3-trichlorobenzene	11.184	180	2101	0.8093	ug/L		89
121)	hexachloroethane	9.406	119	1073	0.8518	ug/L		81

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373785.D
Acq On : 16 Oct 2025 6:50 pm
Operator : BridgetK
Sample : ic11472-1
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 17 10:24:40 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 09:53:09 2025
Response via : Initial Calibration

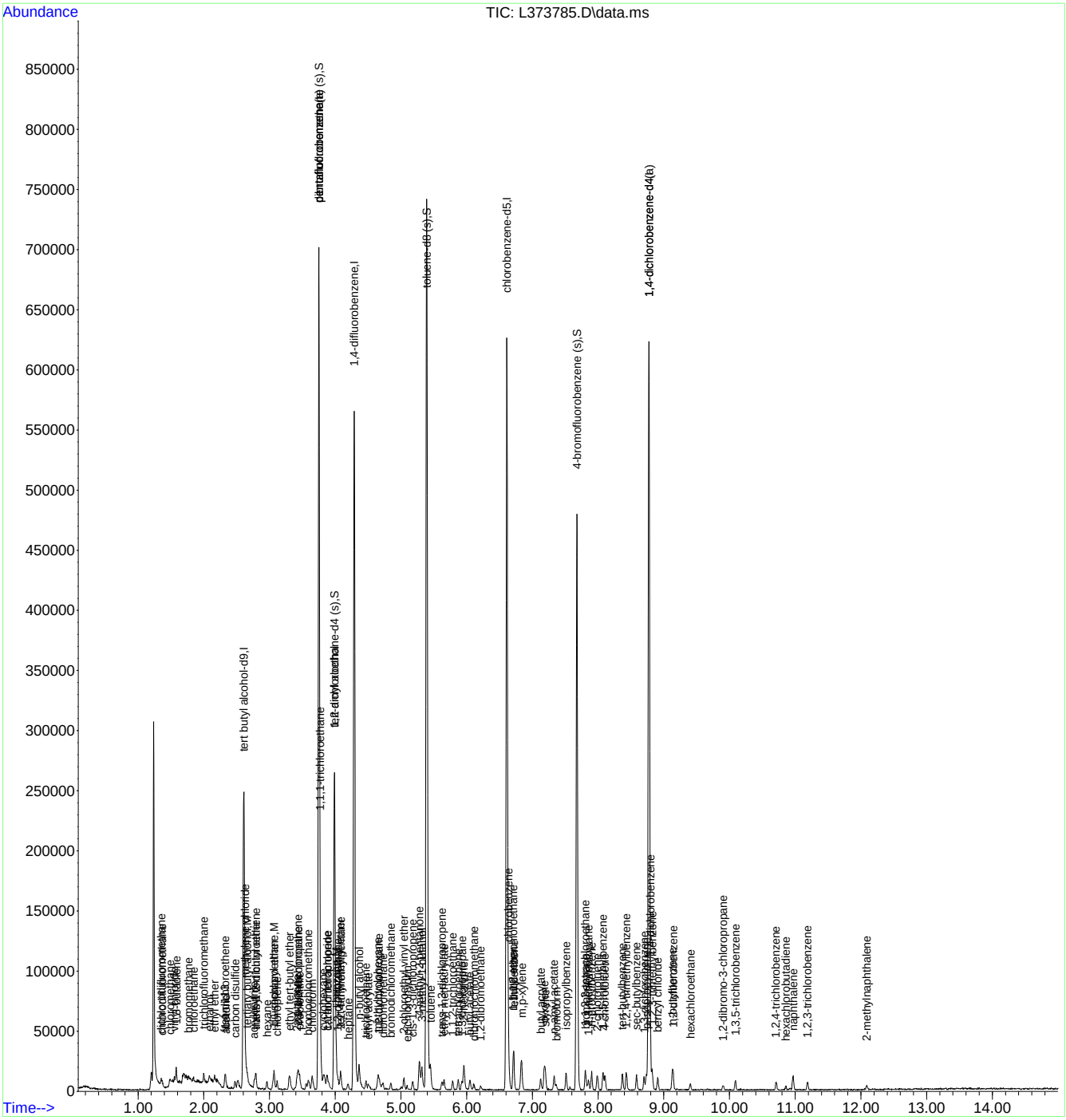
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
122) benzyl chloride	8.906	91	6893	0.8748	ug/L	94
123) 2-methylnaphthalene	12.089	142	1640	0.4326	ug/L	91

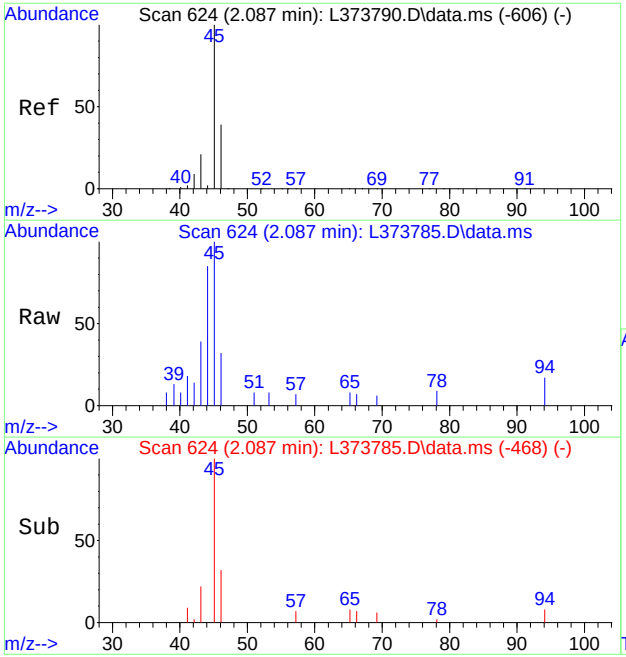
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373785.D
Acq On : 16 Oct 2025 6:50 pm
Operator : BridgetK
Sample : ic11472-1
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 17 10:24:40 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 09:53:09 2025
Response via : Initial Calibration

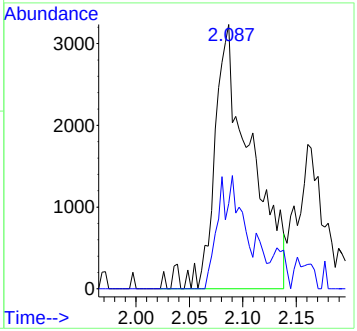


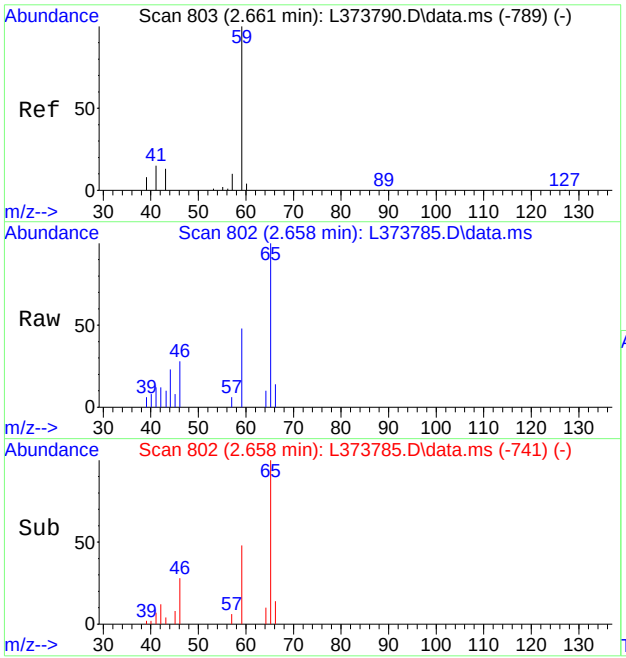


#3
ethanol
Concen: 141.37 ug/L
RT: 2.087 min Scan# 624
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 45 Resp: 7625

Ion	Ratio	Lower	Upper
45	100		
46	32.2	18.6	58.6

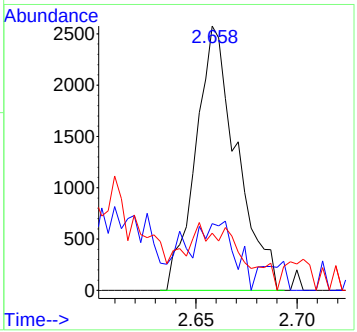


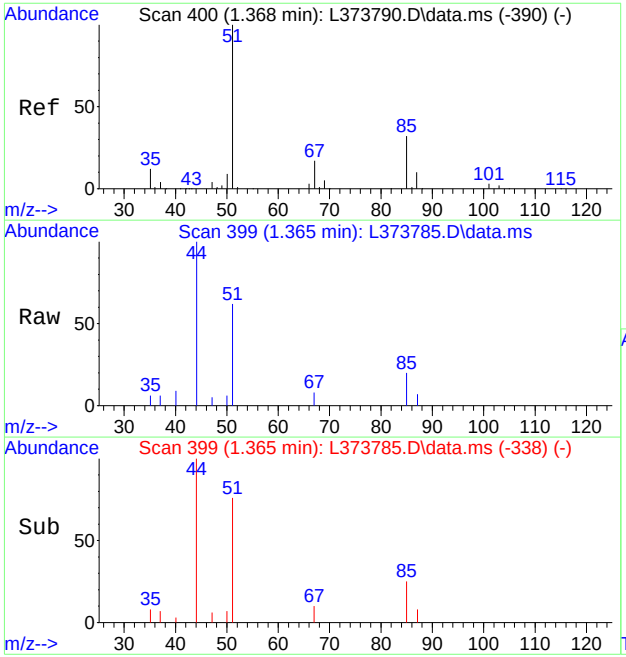


#4
tertiary butyl alcohol
Concen: 5.07 ug/L
RT: 2.658 min Scan# 802
Delta R.T. -0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 59 Resp: 3643

Ion	Ratio	Lower	Upper
59	100		
41	14.9	0.0	45.3
43	12.6	0.0	43.5

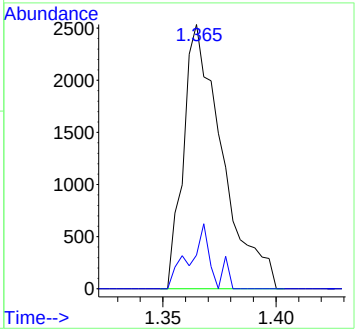


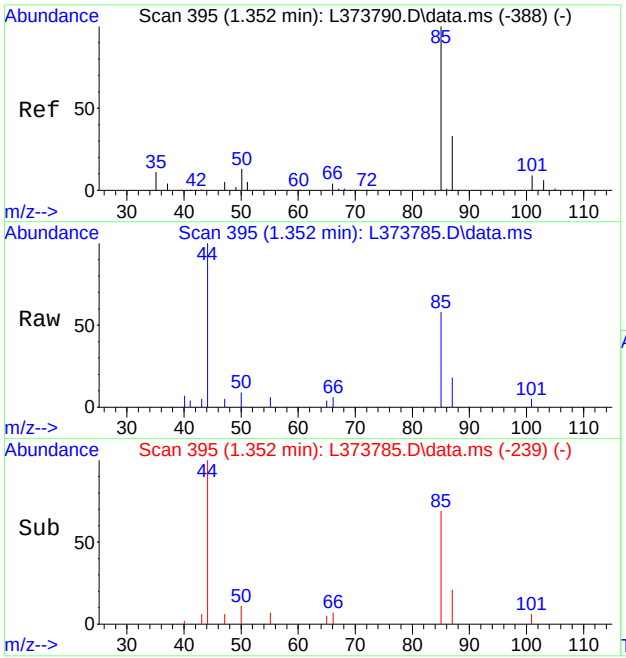


#6
chlorodifluoromethane
Concen: 0.87 ug/L
RT: 1.365 min Scan# 399
Delta R.T. -0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 51 Resp: 3028

Ion	Ratio	Lower	Upper
51	100		
67	12.7	0.0	37.0

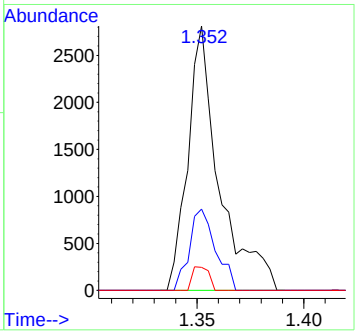


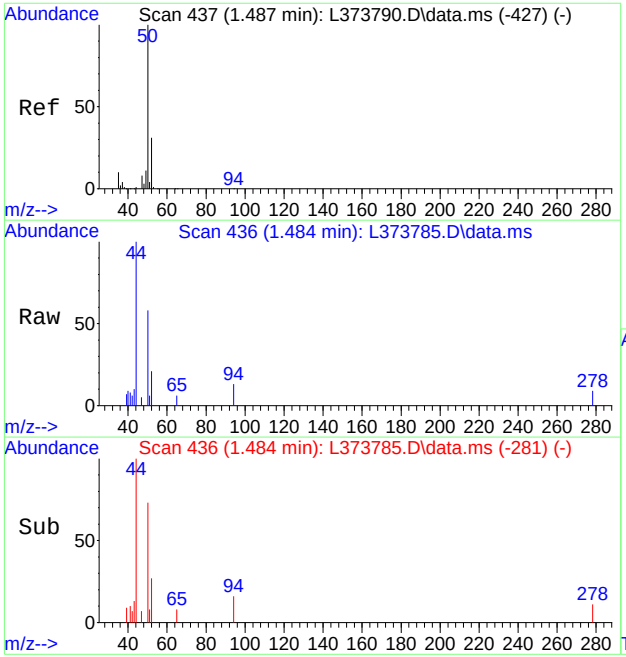


#7
dichlorodifluoromethane
Concen: 0.82 ug/L
RT: 1.352 min Scan# 395
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 85 Resp: 2876

Ion	Ratio	Lower	Upper
85	100		
87	30.8	2.8	62.8
101	8.7	0.0	38.9

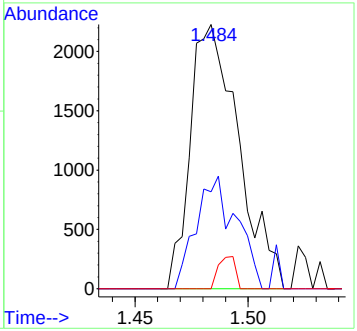


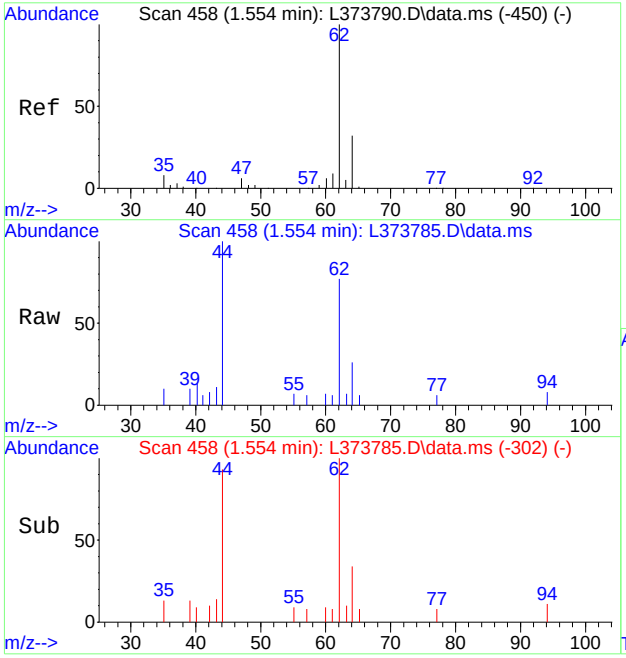


#8
chloromethane
Concen: 0.90 ug/L
RT: 1.484 min Scan# 436
Delta R.T. -0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 50 Resp: 3308

Ion	Ratio	Lower	Upper
50	100		
52	36.7	1.5	61.5
49	0.0	0.0	41.1

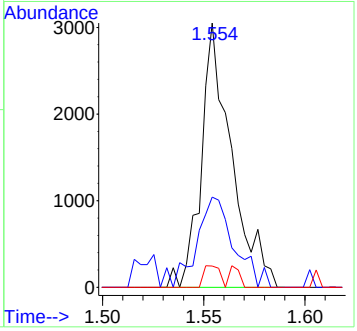


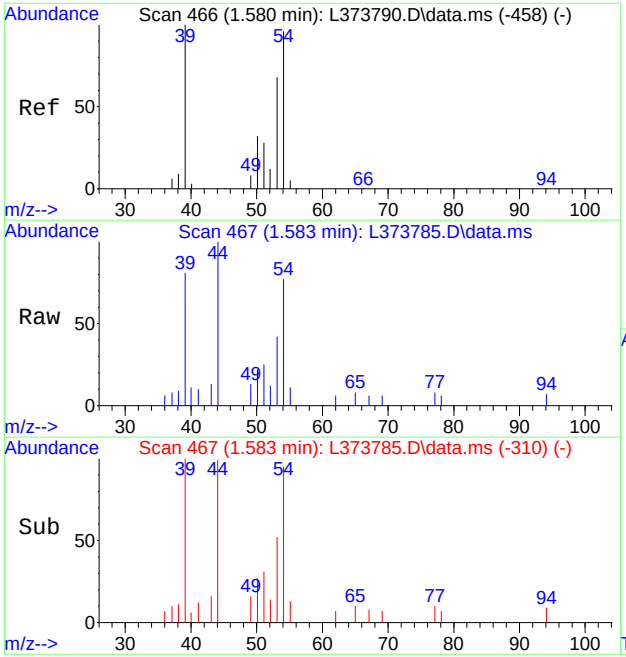


#9
vinyl chloride
Concen: 0.92 ug/L
RT: 1.554 min Scan# 458
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 62 Resp: 3166

Ion	Ratio	Lower	Upper
62	100		
64	34.1	2.2	62.2
61	8.0	0.0	38.5

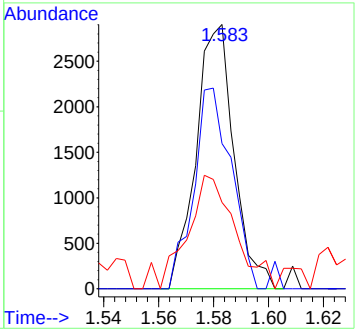


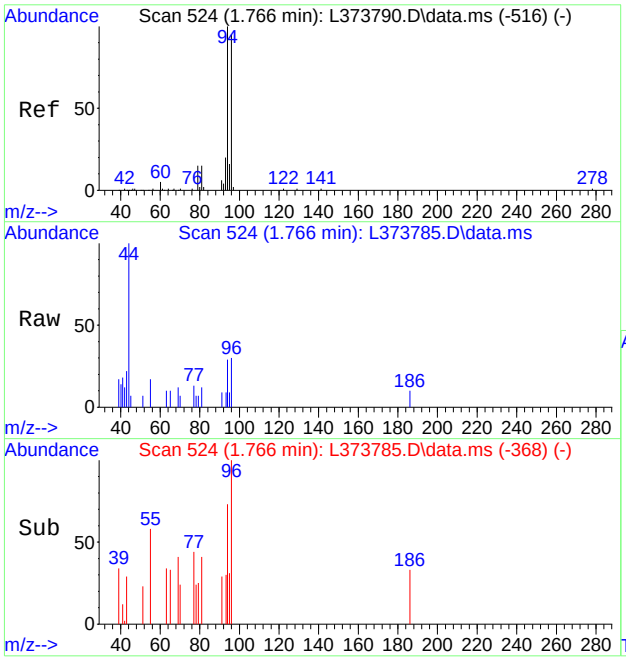


#10
1,3-butadiene
Concen: 0.90 ug/L
RT: 1.583 min Scan# 467
Delta R.T. 0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 54 Resp: 2791

Ion	Ratio	Lower	Upper
54	100		
53	54.9	40.7	100.7
51	32.6	0.0	59.5

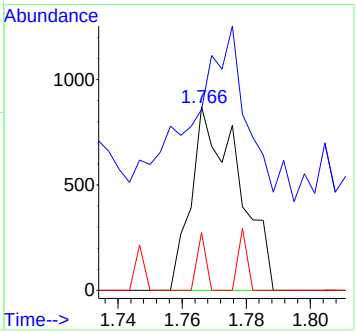


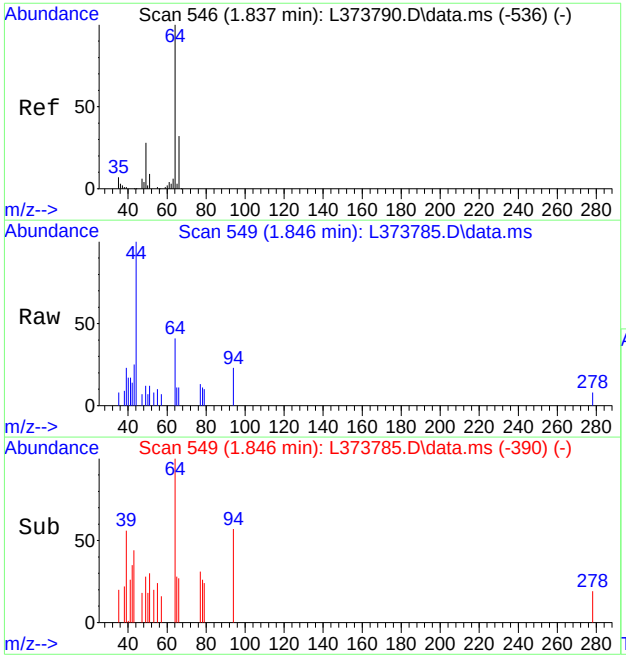


#11
bromomethane
Concen: 1.05 ug/L
RT: 1.766 min Scan# 524
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 96 Resp: 898

Ion	Ratio	Lower	Upper
96	100		
94	27.7	76.7	136.7#
95	31.5	0.0	46.3

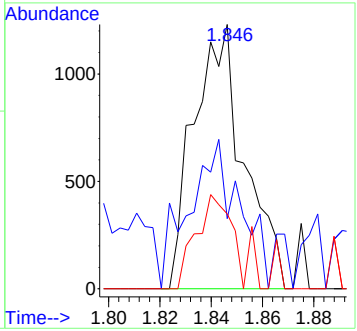


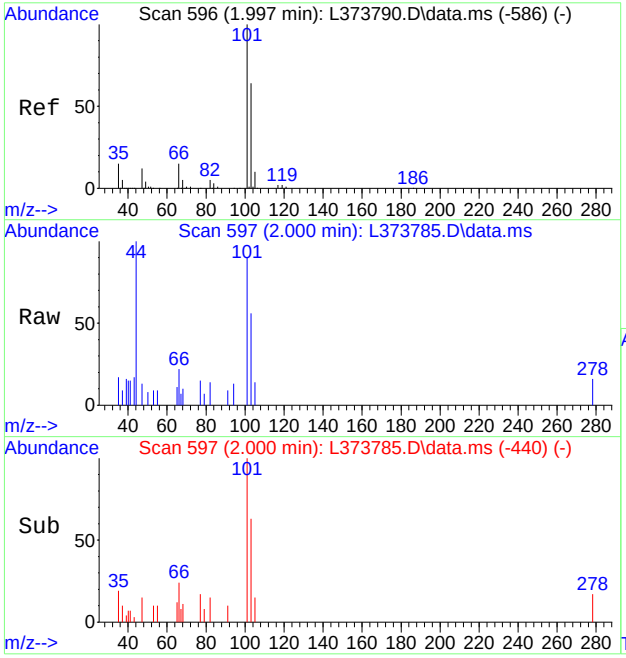


#12
chloroethane
Concen: 1.18 ug/L
RT: 1.846 min Scan# 549
Delta R.T. 0.010 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 64 Resp: 1678

Ion	Ratio	Lower	Upper
64	100		
66	26.6	1.8	61.8
49	28.4	0.0	57.7

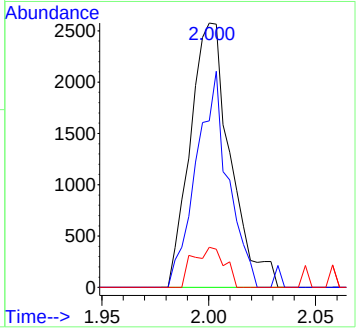


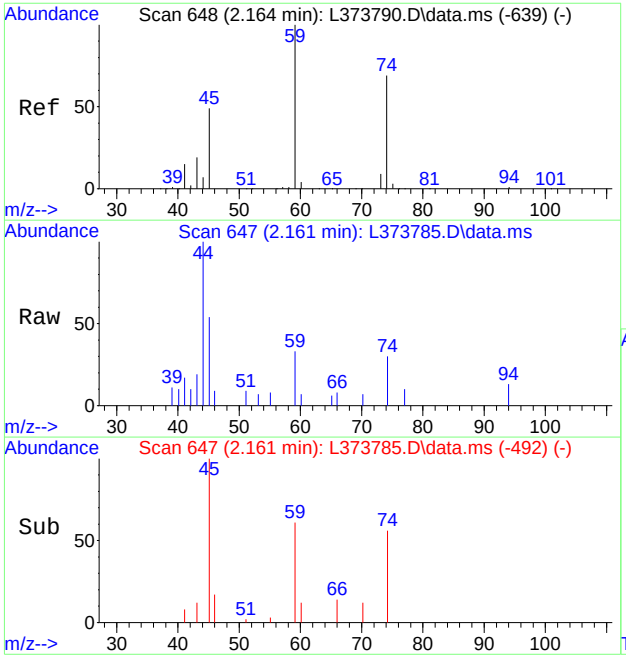


#13
trichlorofluoromethane
Concen: 0.79 ug/L
RT: 2.000 min Scan# 597
Delta R.T. 0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion:101 Resp: 3370

Ion	Ratio	Lower	Upper
101	100		
103	62.9	33.8	93.8
105	15.2	0.0	40.0

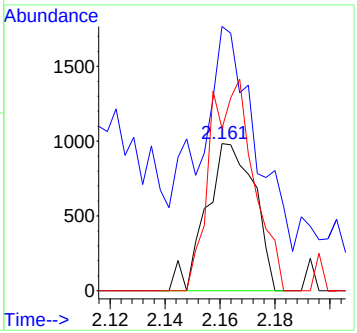


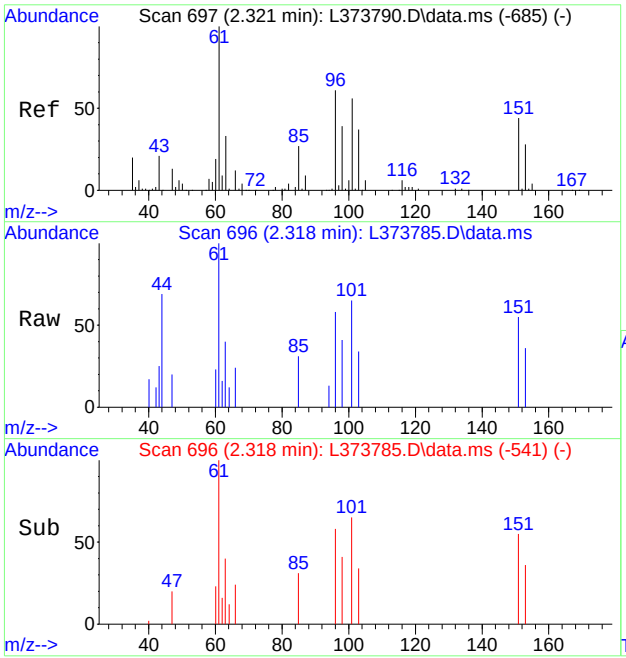


#14
ethyl ether
Concen: 0.85 ug/L
RT: 2.161 min Scan# 647
Delta R.T. -0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 74 Resp: 1199

Ion	Ratio	Lower	Upper
74	100		
45	122.4	102.0	162.0
59	110.2	114.2	174.2#

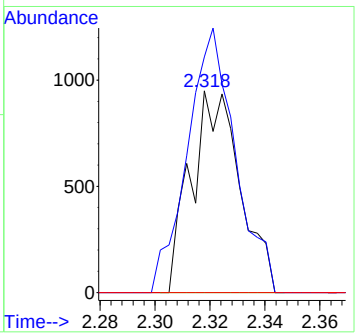


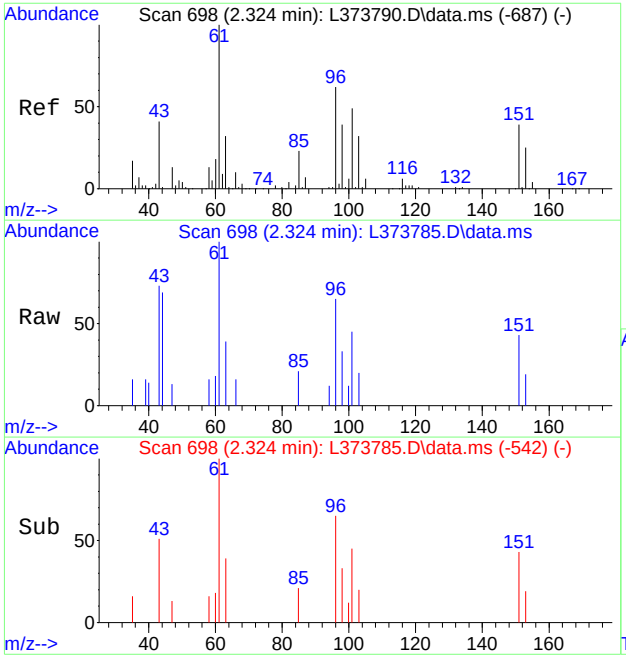


#16
freon 113
Concen: 0.61 ug/L
RT: 2.318 min Scan# 696
Delta R.T. -0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion:151 Resp: 1180

Ion	Ratio	Lower	Upper
151	100		
101	116.7	107.4	147.4
116	0.0	0.0	33.9

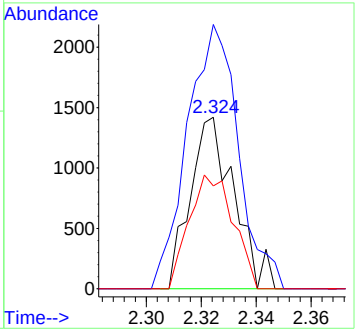


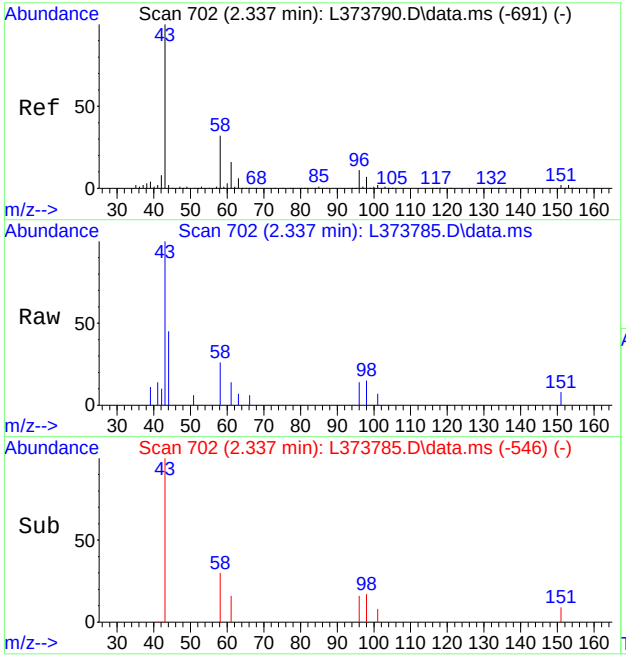


#17
1,1-dichloroethene
Concen: 0.71 ug/L
RT: 2.324 min Scan# 698
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 96 Resp: 1570

Ion	Ratio	Lower	Upper
96	100		
61	154.3	131.4	191.4
63	60.0	22.3	82.3

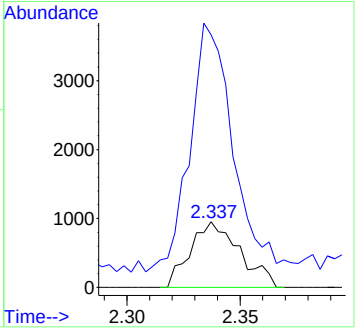


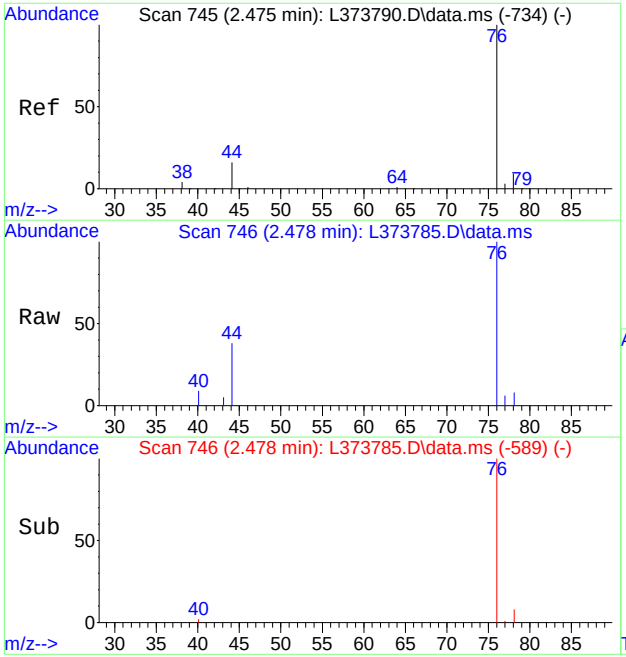


#18
acetone
Concen: 3.09 ug/L
RT: 2.337 min Scan# 702
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 58 Resp: 1442

Ion	Ratio	Lower	Upper
58	100		
43	343.4	286.5	346.5

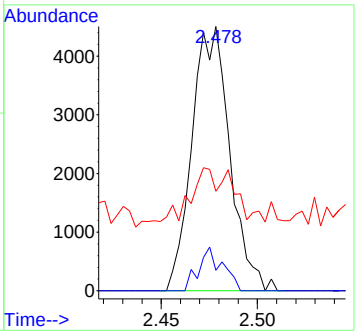


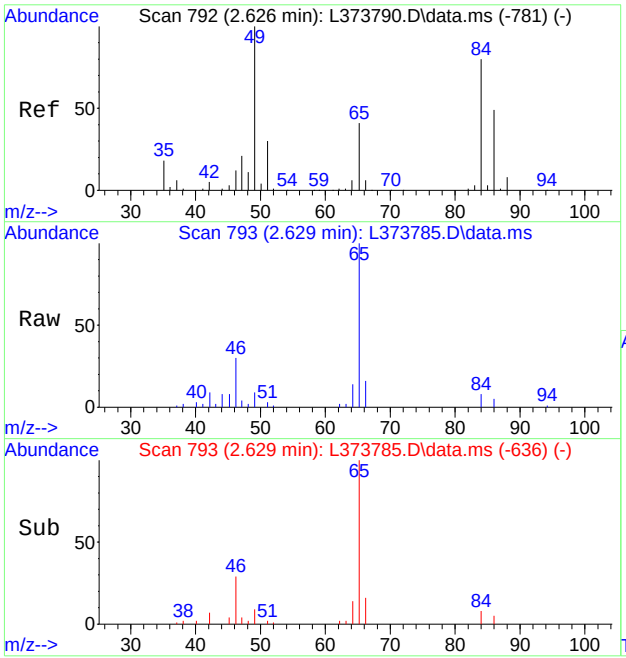


#22
carbon disulfide
Concen: 0.89 ug/L
RT: 2.478 min Scan# 746
Delta R.T. 0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 76 Resp: 6161

Ion	Ratio	Lower	Upper
76	100		
78	7.7	0.0	38.9
44	11.5	0.0	46.1

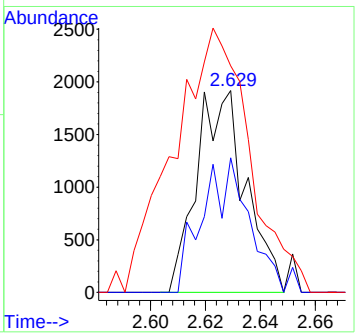


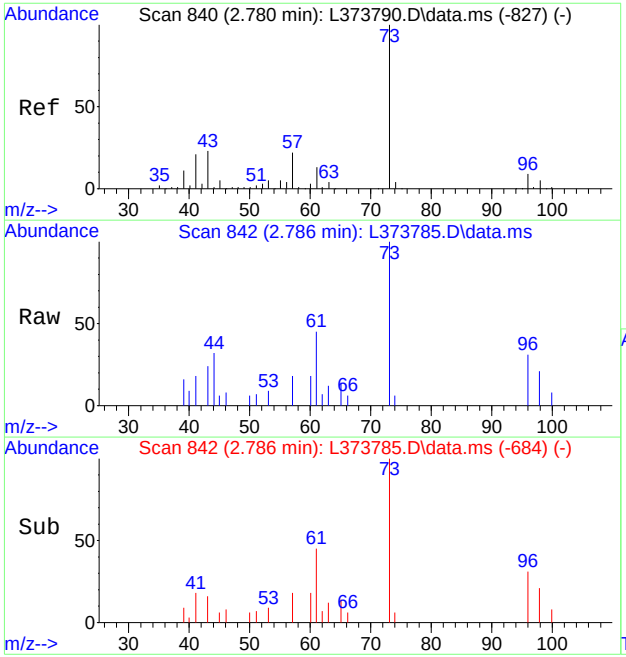


#23
methylene chloride
Concen: 0.84 ug/L
RT: 2.629 min Scan# 793
Delta R.T. 0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 84 Resp: 2379

Ion	Ratio	Lower	Upper
84	100		
86	66.7	31.2	91.2
49	90.8	95.6	155.6#

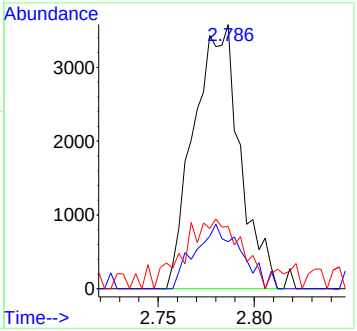


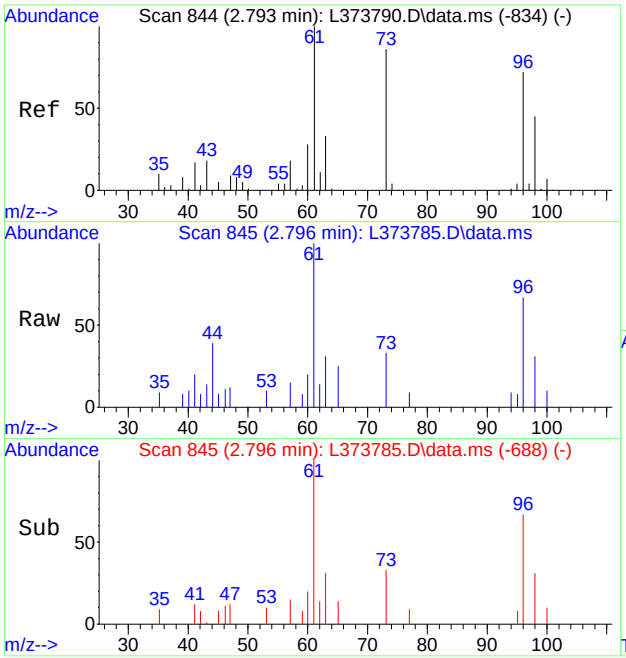


#25
methyl tert butyl ether
Concen: 0.86 ug/L
RT: 2.786 min Scan# 842
Delta R.T. 0.006 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 73 Resp: 5963

Ion	Ratio	Lower	Upper
73	100		
57	17.8	0.0	52.4
43	17.9	0.0	52.7

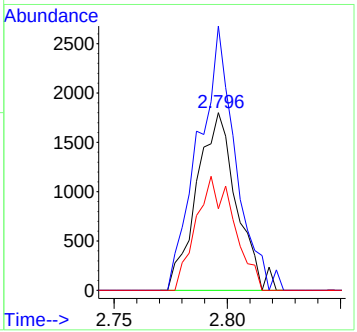


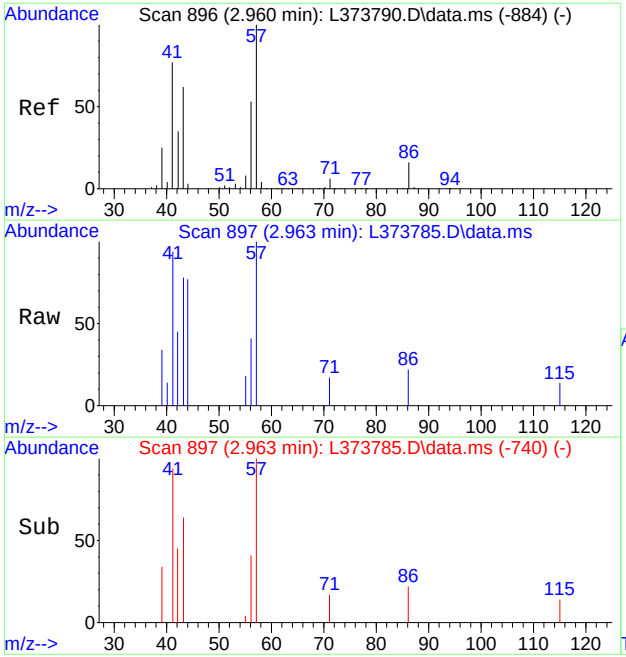


#26
trans-1,2-dichloroethene
Concen: 0.89 ug/L
RT: 2.796 min Scan# 845
Delta R.T. 0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 96 Resp: 2200

Ion	Ratio	Lower	Upper
96	100		
61	148.7	109.1	169.1
98	45.9	32.0	92.0

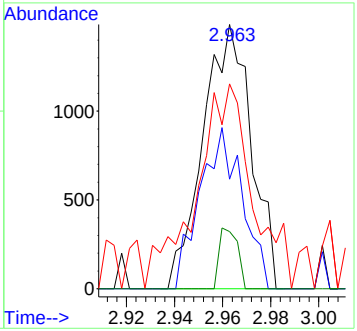


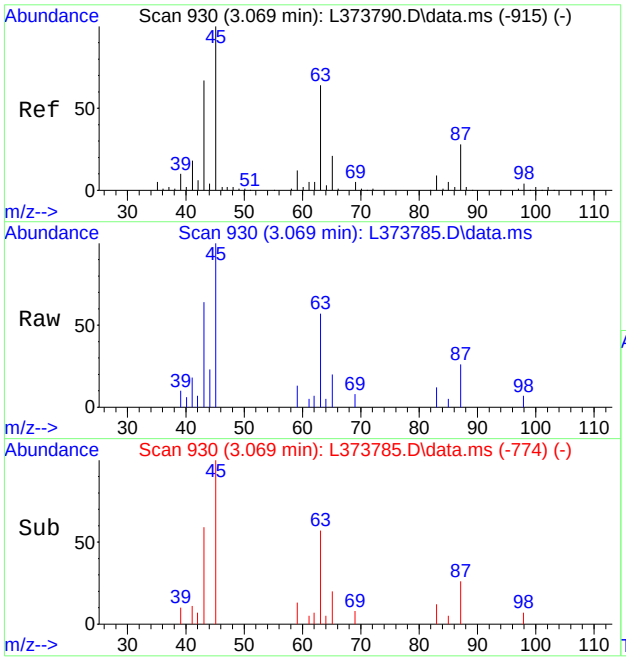


#27
hexane
Concen: 0.65 ug/L
RT: 2.963 min Scan# 897
Delta R.T. 0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 57 Resp: 2074

Ion	Ratio	Lower	Upper
57	100		
56	41.4	32.9	72.9
43	63.9	41.9	81.9
86	21.6	0.0	36.3

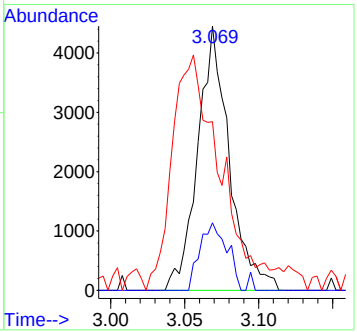


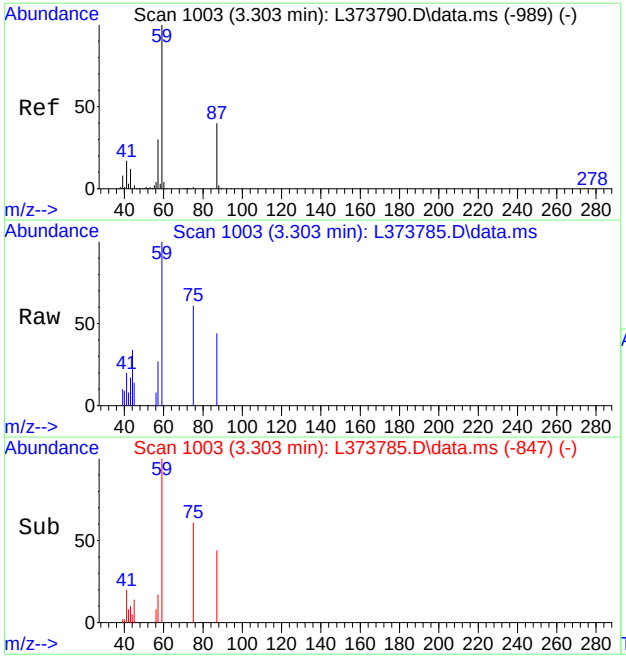


#28
di-isopropyl ether
Concen: 0.89 ug/L
RT: 3.069 min Scan# 930
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 45 Resp: 6604

Ion	Ratio	Lower	Upper
45	100		
87	25.5	0.0	57.5
43	56.8	37.5	97.5

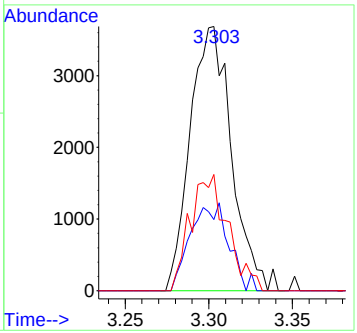


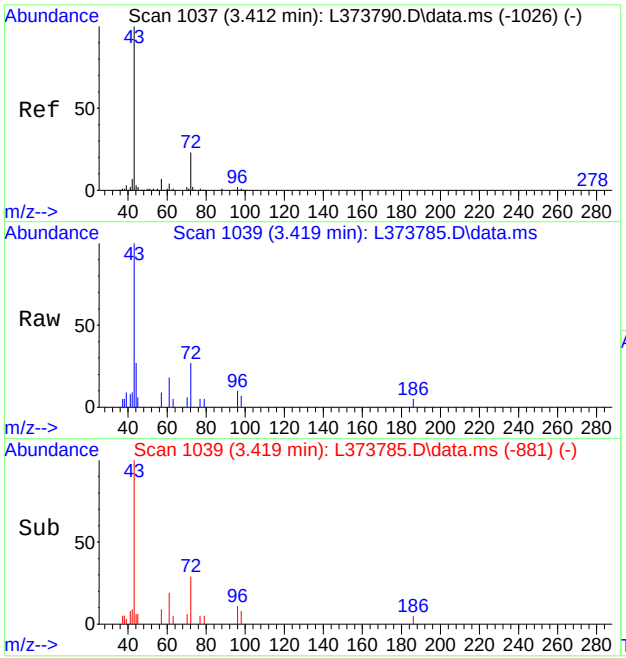


#29
ethyl tert-butyl ether
Concen: 0.81 ug/L
RT: 3.303 min Scan# 1003
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 59 Resp: 6348

Ion	Ratio	Lower	Upper
59	100		
57	27.0	0.3	60.3
87	44.0	9.6	69.6

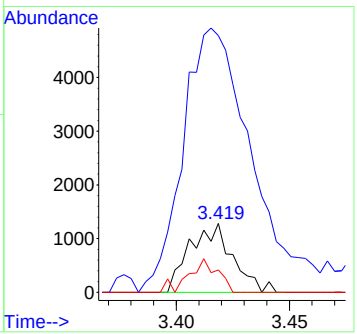


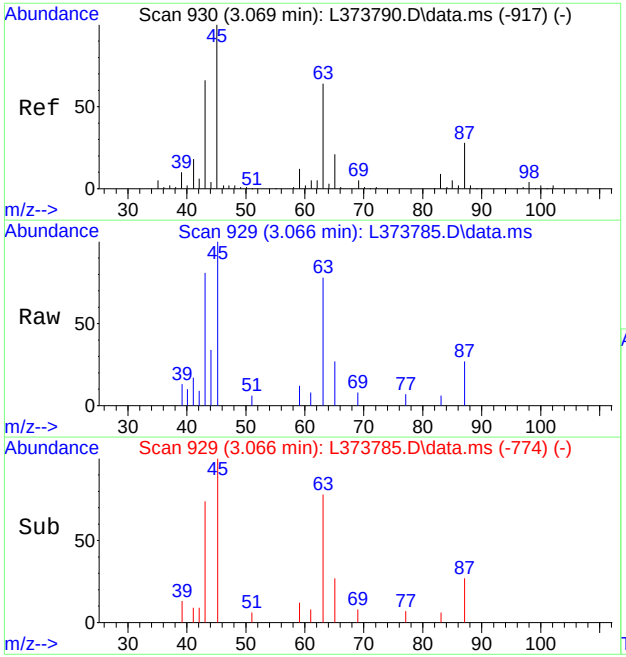


#30
2-butanone
Concen: 3.23 ug/L
RT: 3.419 min Scan# 1039
Delta R.T. 0.006 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 72 Resp: 1687

Ion	Ratio	Lower	Upper
72	100		
43	323.3	411.9	471.9#
57	32.7	2.4	62.4

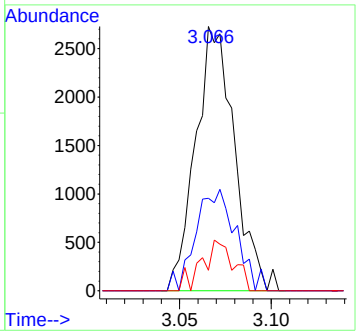


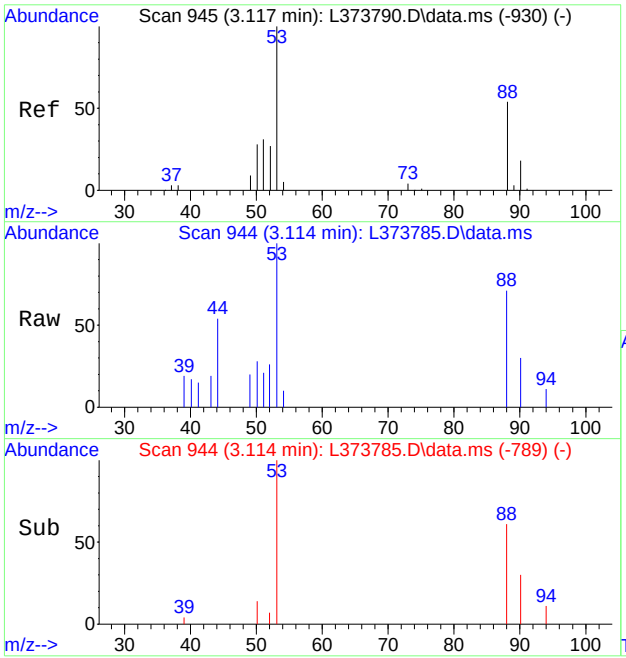


#31
1,1-dichloroethane
Concen: 0.87 ug/L
RT: 3.066 min Scan# 929
Delta R.T. -0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 63 Resp: 4044

Ion	Ratio	Lower	Upper
63	100		
65	35.0	2.5	62.5
83	7.8	0.0	43.5

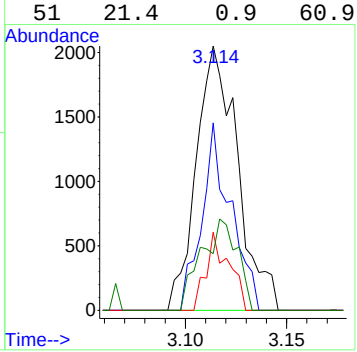


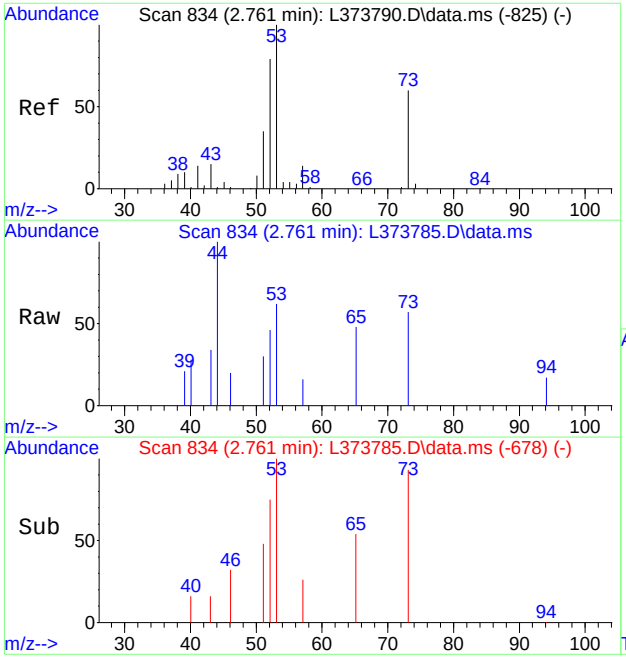


#32
chloroprene
Concen: 0.66 ug/L
RT: 3.114 min Scan# 944
Delta R.T. -0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 53 Resp: 2913

Ion	Ratio	Lower	Upper
53	100		
88	70.9	26.2	86.2
90	29.6	0.0	47.9
51	21.4	0.9	60.9

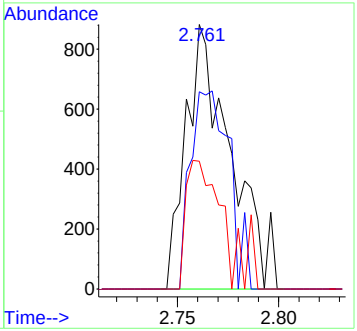


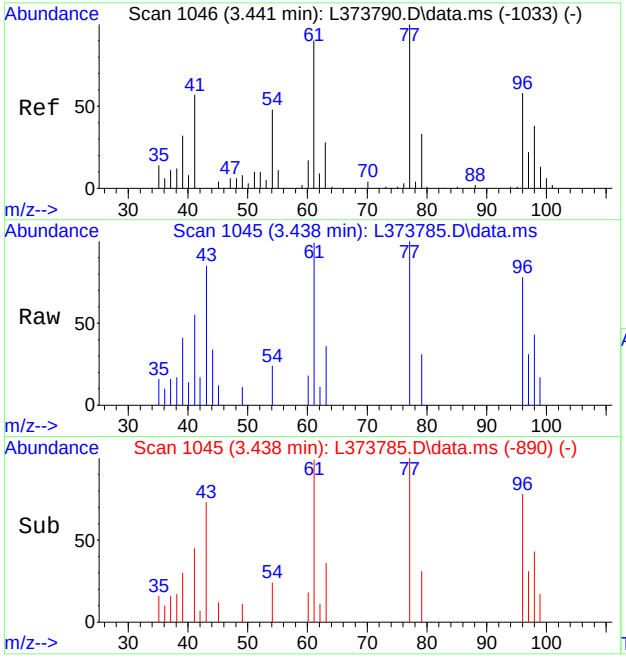


#33
acrylonitrile
Concen: 0.98 ug/L
RT: 2.761 min Scan# 834
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 53 Resp: 1355

Ion	Ratio	Lower	Upper
53	100		
52	74.5	48.8	108.8
51	48.2	4.6	64.6

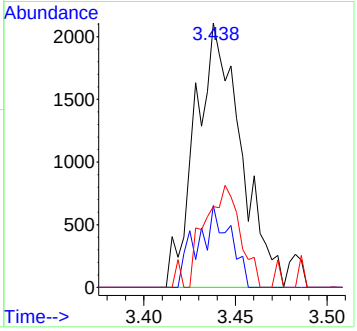


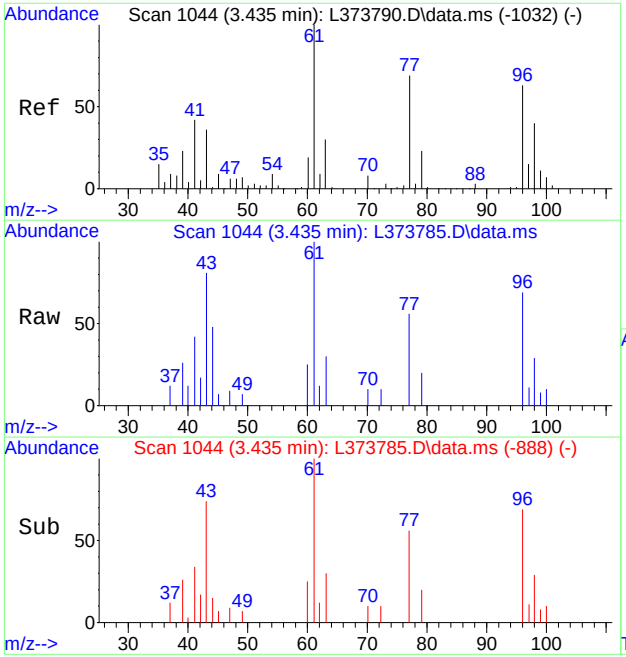


#36
2,2-dichloropropane
Concen: 0.86 ug/L
RT: 3.438 min Scan# 1045
Delta R.T. -0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 77 Resp: 3655

Ion	Ratio	Lower	Upper
77	100		
97	31.0	0.0	52.3
79	30.6	3.0	63.0

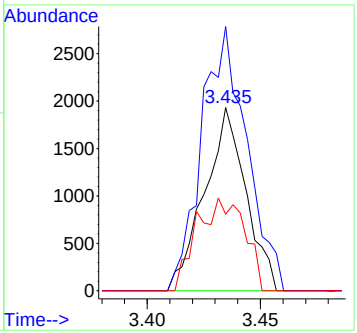


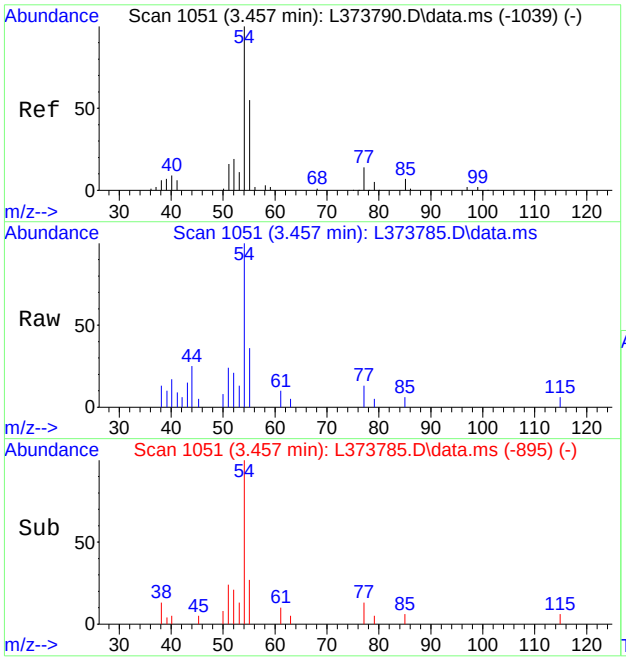


#37
cis-1,2-dichloroethene
Concen: 0.92 ug/L
RT: 3.435 min Scan# 1044
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 96 Resp: 2452

Ion	Ratio	Lower	Upper
96	100		
61	144.2	128.7	188.7
98	41.8	34.1	94.1

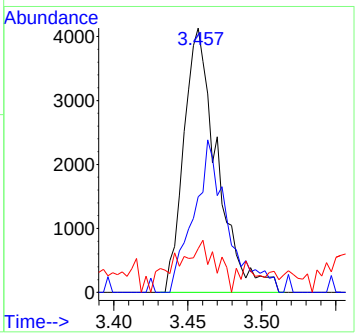


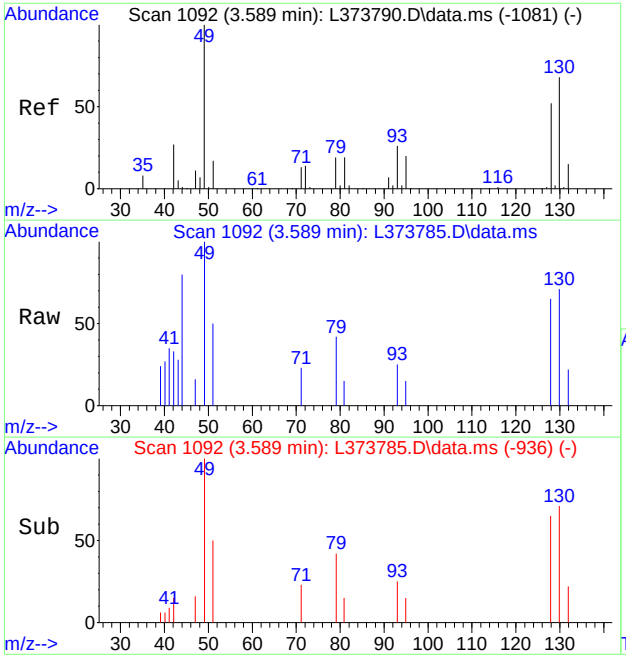


#38
propionitrile
Concen: 8.59 ug/L
RT: 3.457 min Scan# 1051
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 54 Resp: 6527

Ion	Ratio	Lower	Upper
54	100		
55	36.1	25.4	85.4
40	9.9	0.0	39.0

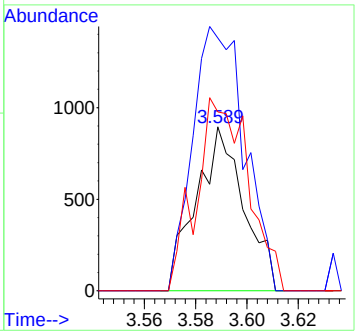


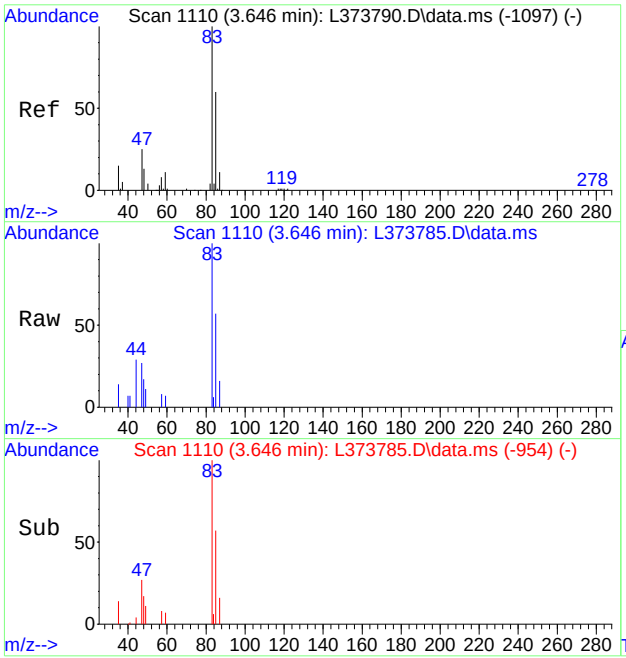


#40
bromochloromethane
Concen: 1.07 ug/L
RT: 3.589 min Scan# 1092
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion:128 Resp: 1154

Ion	Ratio	Lower	Upper
128	100		
49	154.3	163.3	223.3#
130	109.2	100.3	160.3

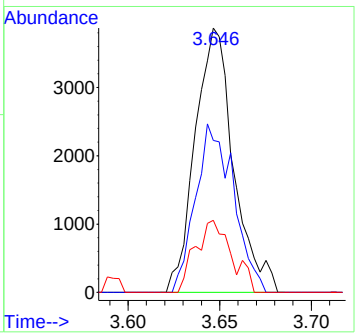


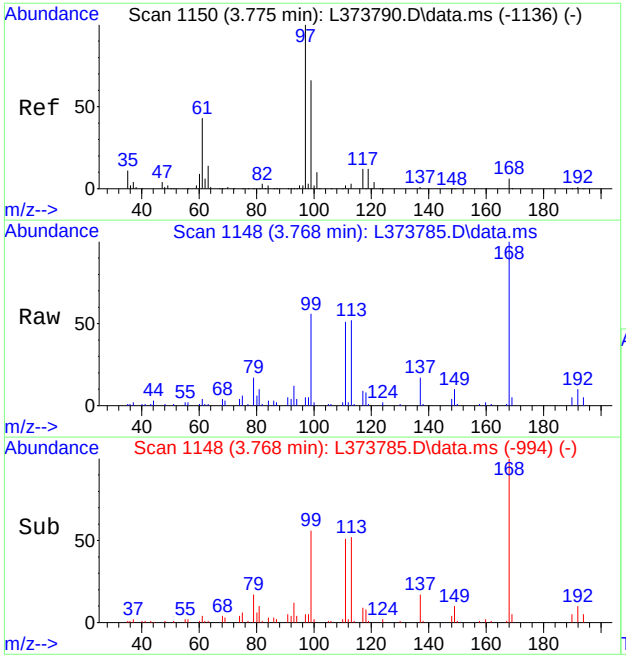


#42
chloroform
Concen: 1.14 ug/L
RT: 3.646 min Scan# 1110
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 83 Resp: 5678

Ion	Ratio	Lower	Upper
83	100		
85	57.4	29.7	89.7
47	27.3	0.0	54.6

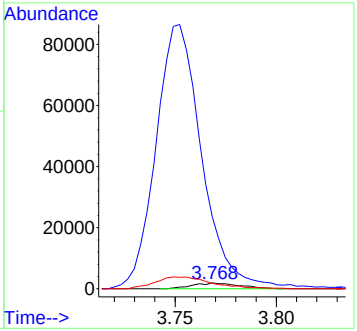


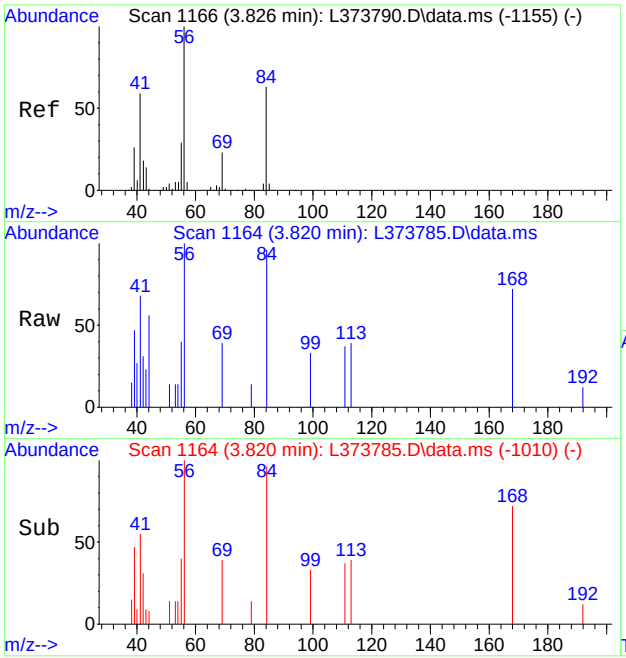


#45
1,1,1-trichloroethane
Concen: 0.71 ug/L
RT: 3.768 min Scan# 1148
Delta R.T. -0.006 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 97 Resp: 3096

Ion	Ratio	Lower	Upper
97	100		
99	1141.3	41.0	101.0#
61	78.6	12.9	72.9#

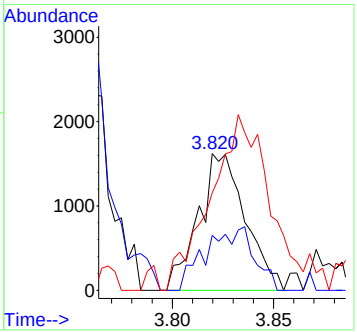


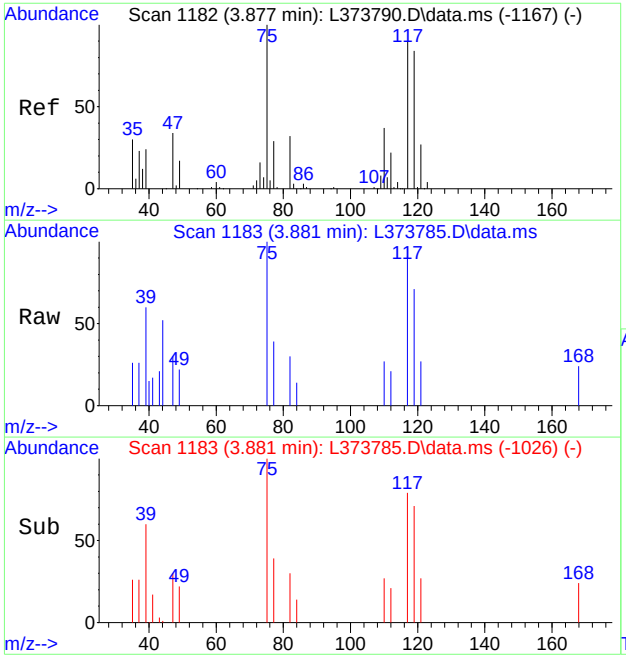


#46
cyclohexane
Concen: 0.70 ug/L
RT: 3.820 min Scan# 1164
Delta R.T. -0.006 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 84 Resp: 2622

Ion	Ratio	Lower	Upper
84	100		
69	40.1	16.2	56.2
41	71.3	73.6	113.6#

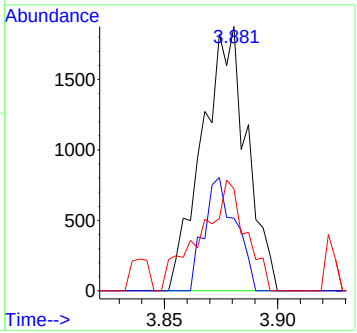


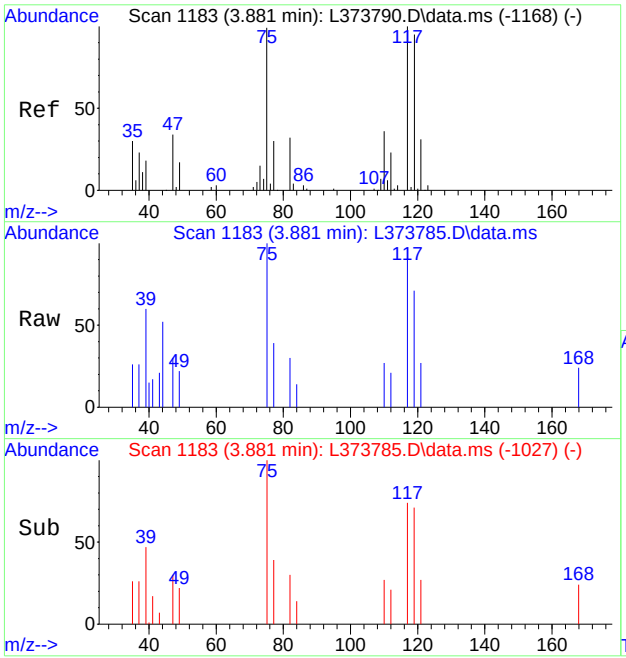


#47
1,1-dichloropropene
Concen: 0.77 ug/L
RT: 3.881 min Scan# 1183
Delta R.T. 0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 75 Resp: 2567

Ion	Ratio	Lower	Upper
75	100		
110	27.4	17.0	57.0
77	38.6	10.2	50.2

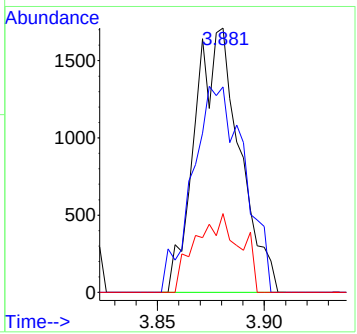


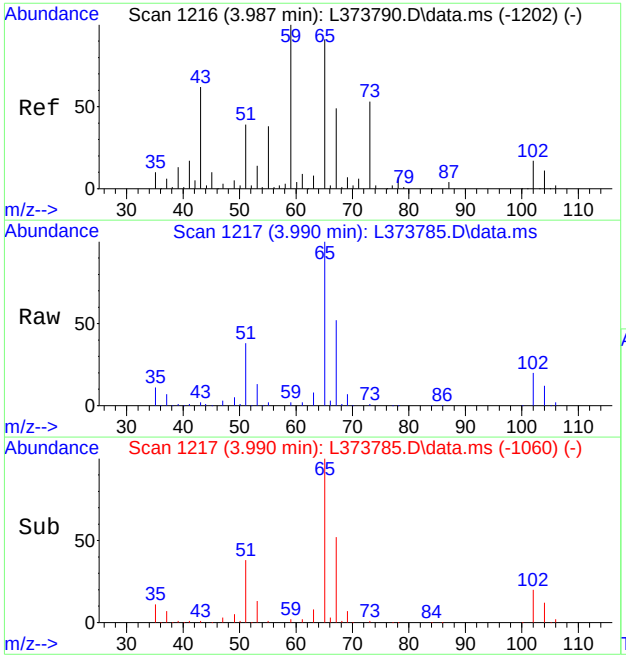


#48
carbon tetrachloride
Concen: 0.69 ug/L
RT: 3.881 min Scan# 1183
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion:117 Resp: 2503

Ion	Ratio	Lower	Upper
117	100		
119	77.7	74.4	114.4
121	29.8	10.8	50.8

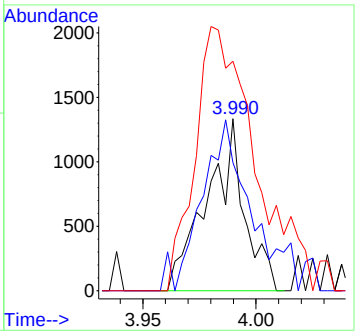


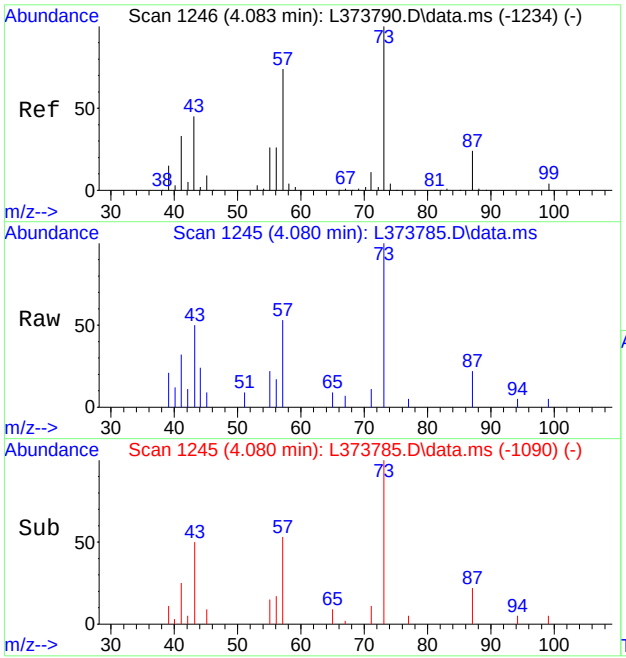


#50
tert amyl alcohol
Concen: 5.76 ug/L
RT: 3.990 min Scan# 1217
Delta R.T. 0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 55 Resp: 1535

Ion	Ratio	Lower	Upper
55	100		
73	74.5	119.2	159.2#
59	133.3	242.0	282.0#

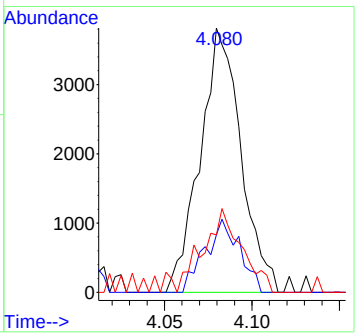


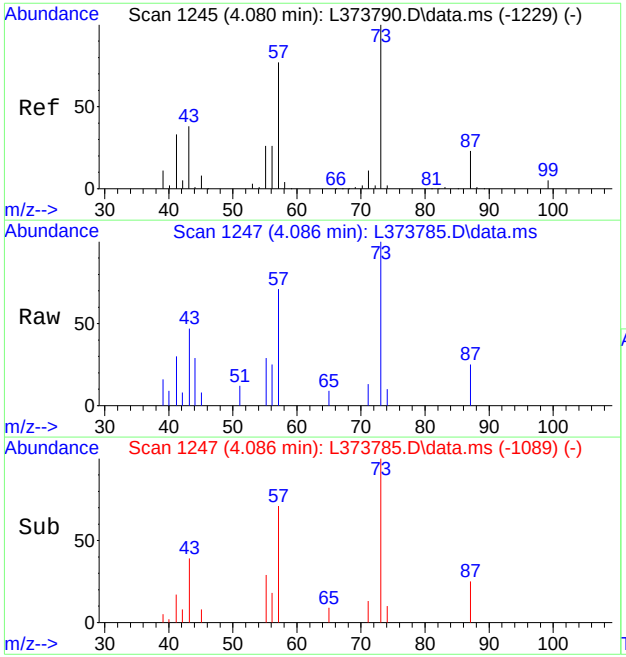


#53
tert-amyl methyl ether
Concen: 0.85 ug/L
RT: 4.080 min Scan# 1245
Delta R.T. -0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 73 Resp: 6200

Ion	Ratio	Lower	Upper
73	100		
87	21.7	4.6	44.6
55	21.8	5.7	45.7

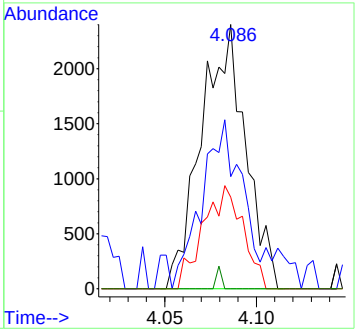


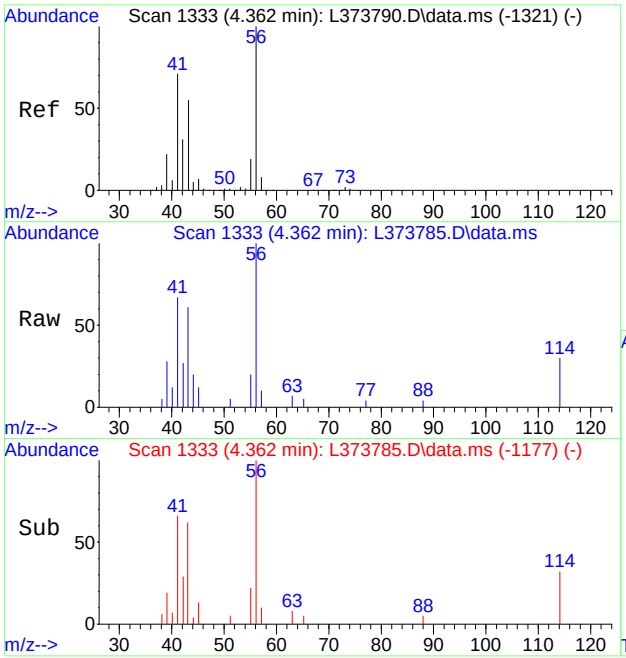


#54
2,2,4-trimethylpentane
Concen: 0.72 ug/L
RT: 4.086 min Scan# 1247
Delta R.T. 0.006 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 57 Resp: 4071

Ion	Ratio	Lower	Upper
57	100		
41	30.2	25.1	65.1
56	34.7	13.8	53.8
99	0.0	0.0	25.9

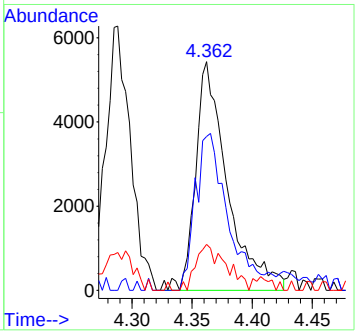


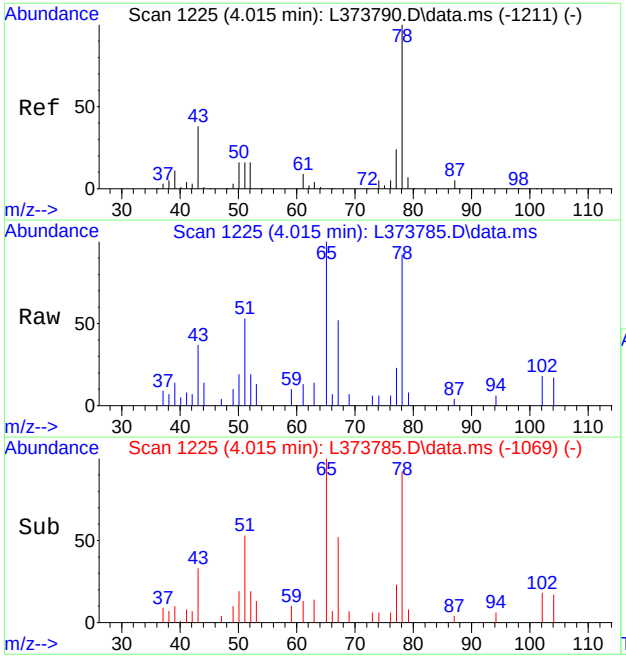


#55
n-butyl alcohol
Concen: 49.62 ug/L
RT: 4.362 min Scan# 1333
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 56 Resp: 9995

Ion	Ratio	Lower	Upper
56	100		
41	67.3	40.6	100.6
55	20.1	0.0	49.1

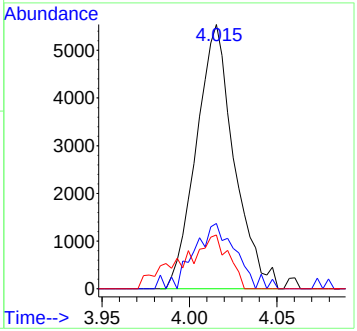


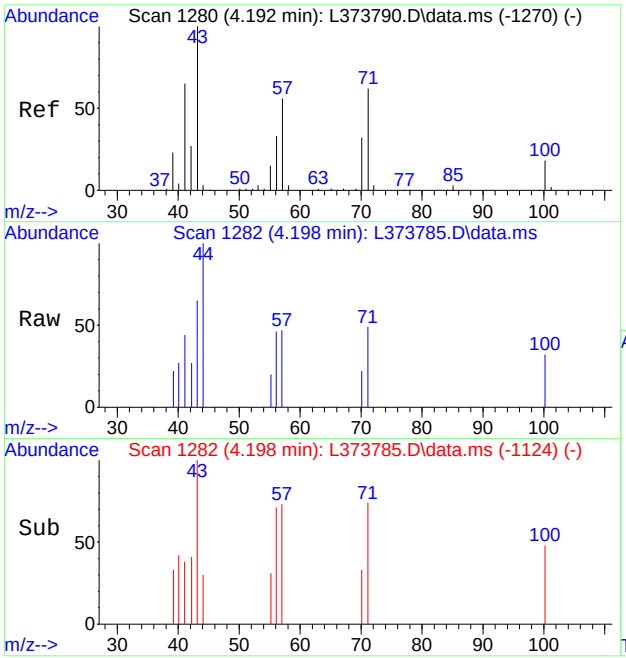


#56
benzene
Concen: 0.79 ug/L
RT: 4.015 min Scan# 1225
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 78 Resp: 8322

Ion	Ratio	Lower	Upper
78	100		
77	24.7	0.0	53.5
52	20.3	0.0	46.2

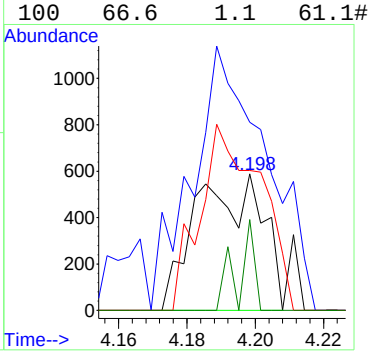


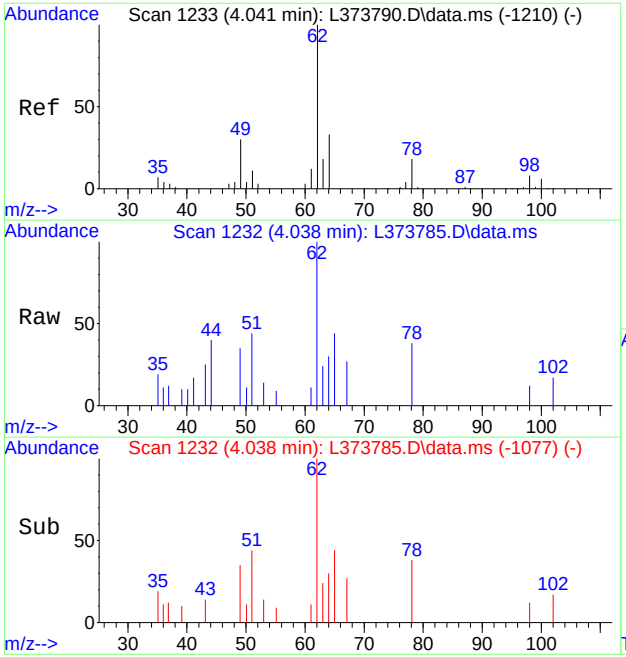


#57
heptane
Concen: 0.63 ug/L m
RT: 4.198 min Scan# 1282
Delta R.T. 0.006 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 57 Resp: 790

Ion	Ratio	Lower	Upper
57	100		
43	137.7	146.8	206.8#
71	102.4	78.5	138.5
100	66.6	1.1	61.1#

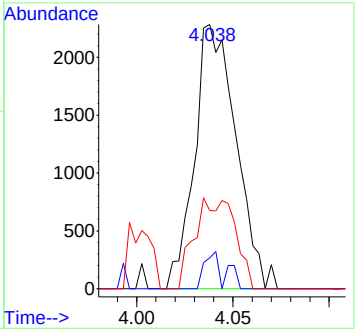


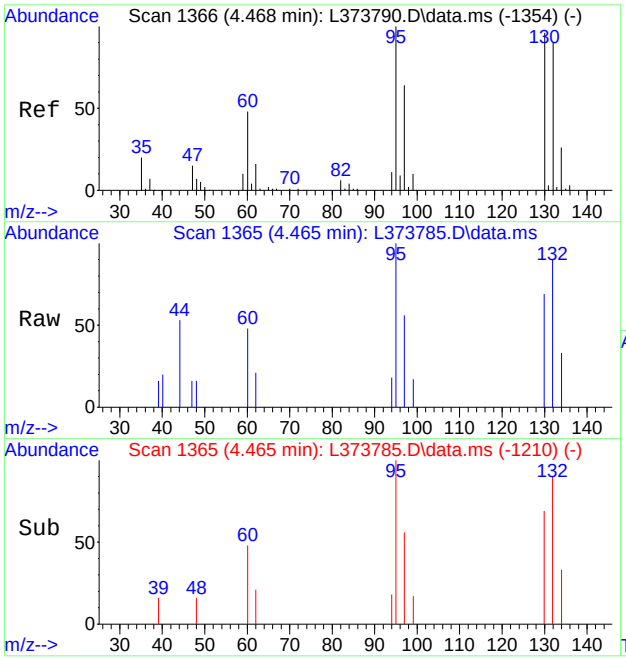


#58
1,2-dichloroethane
Concen: 0.90 ug/L
RT: 4.038 min Scan# 1232
Delta R.T. -0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 62 Resp: 3432

Ion	Ratio	Lower	Upper
62	100		
98	11.6	0.0	38.1
64	29.5	2.8	62.8

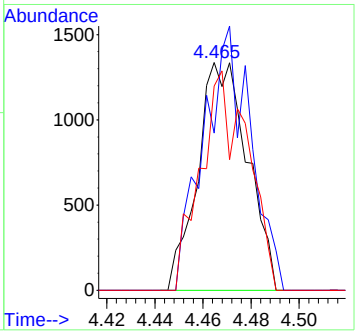


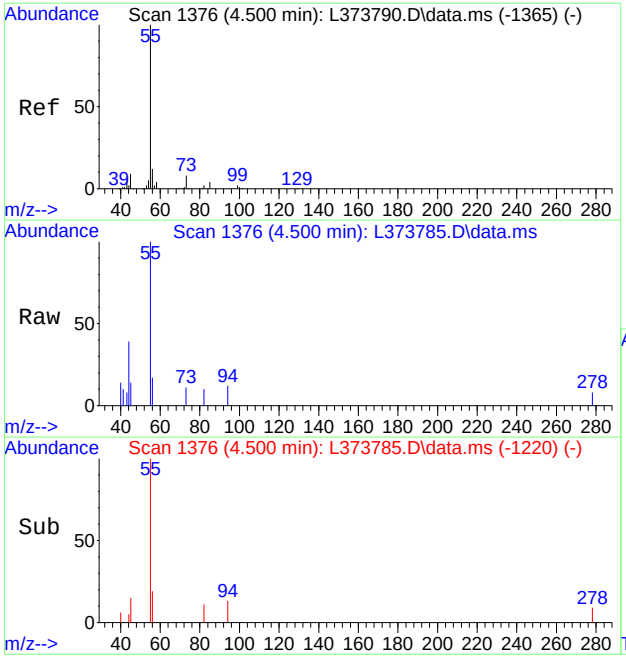


#59
trichloroethene
Concen: 0.77 ug/L
RT: 4.465 min Scan# 1365
Delta R.T. -0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 95 Resp: 1924

Ion	Ratio	Lower	Upper
95	100		
130	69.0	65.5	125.5
132	89.7	59.7	119.7

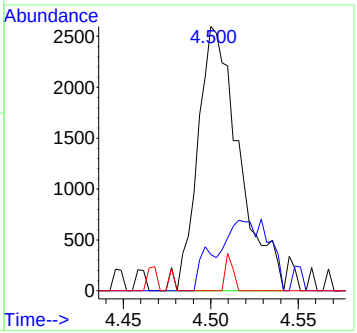


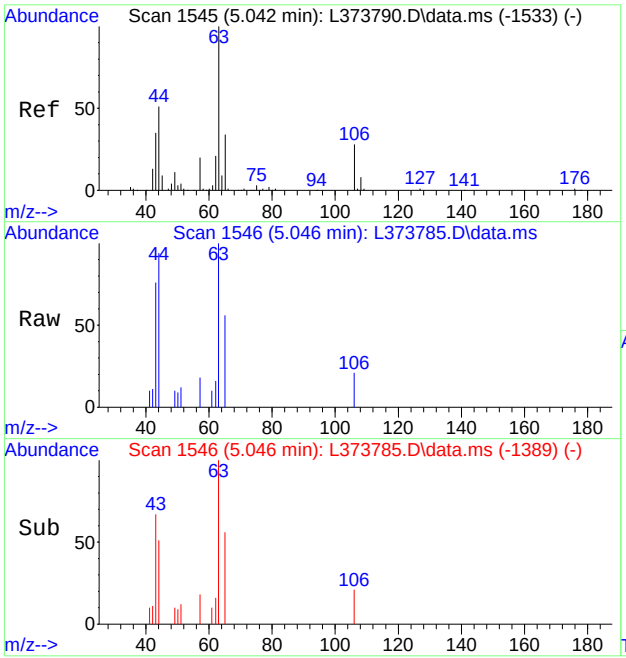


#60
ethyl acrylate
Concen: 0.99 ug/L
RT: 4.500 min Scan# 1376
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 55 Resp: 4296

Ion	Ratio	Lower	Upper
55	100		
45	13.7	0.0	28.6
99	0.0	0.0	27.8

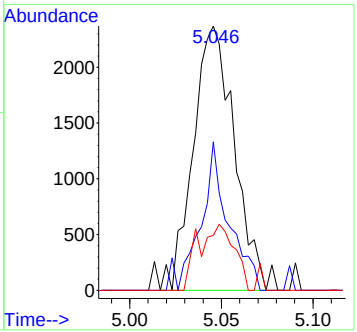


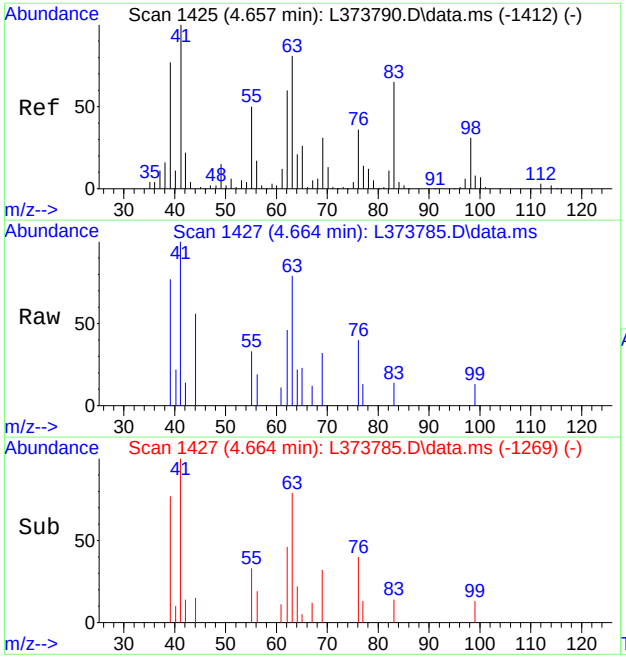


#62
2-chloroethyl vinyl ether
Concen: 4.40 ug/L
RT: 5.046 min Scan# 1546
Delta R.T. 0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 63 Resp: 3739

Ion	Ratio	Lower	Upper
63	100		
65	56.2	3.9	63.9
106	20.8	0.0	57.6

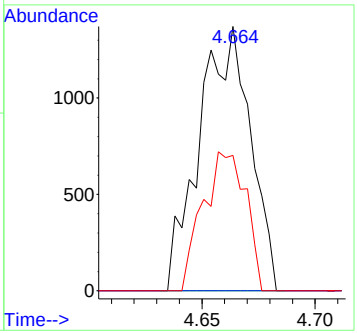


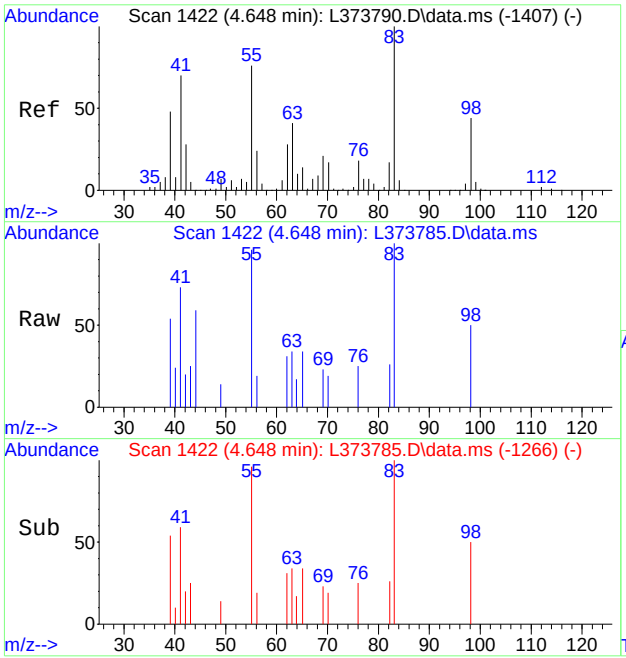


#64
1,2-dichloropropane
Concen: 0.84 ug/L
RT: 4.664 min Scan# 1427
Delta R.T. 0.006 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 63 Resp: 2158

Ion	Ratio	Lower	Upper
63	100		
112	0.0	0.0	34.1
76	51.2	14.3	74.3

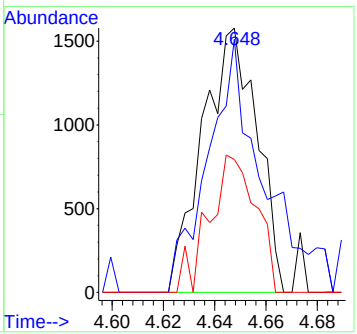


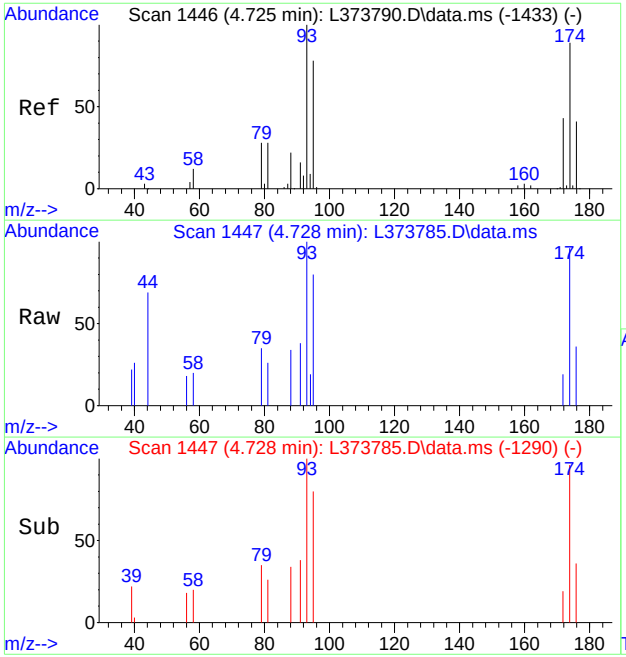


#65
methylcyclohexane
Concen: 0.68 ug/L
RT: 4.648 min Scan# 1422
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 83 Resp: 2322

Ion	Ratio	Lower	Upper
83	100		
55	95.8	46.3	106.3
98	50.3	13.7	73.7

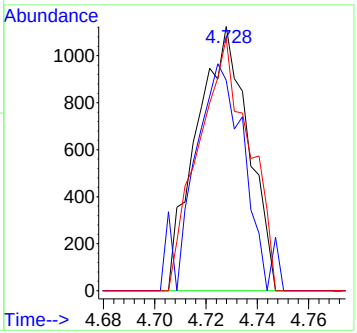


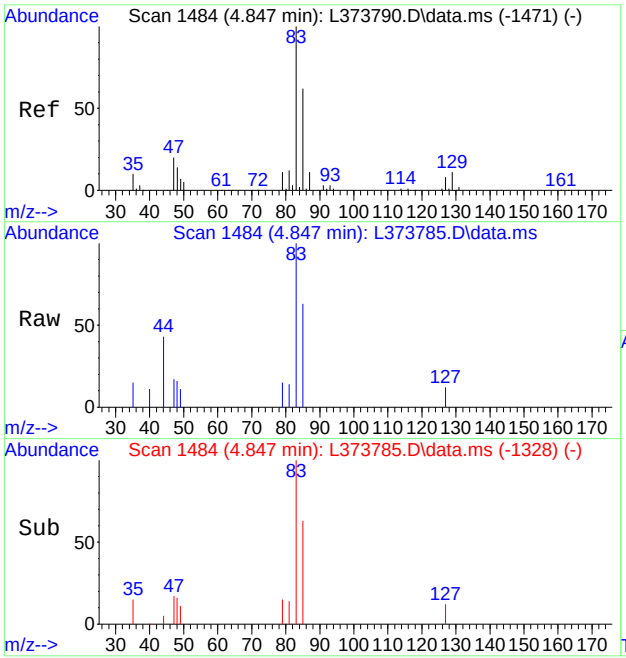


#66
dibromomethane
Concen: 0.91 ug/L
RT: 4.728 min Scan# 1447
Delta R.T. 0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 93 Resp: 1568

Ion	Ratio	Lower	Upper
93	100		
95	79.6	48.3	108.3
174	95.6	59.2	119.2

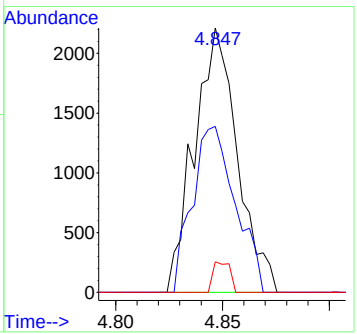


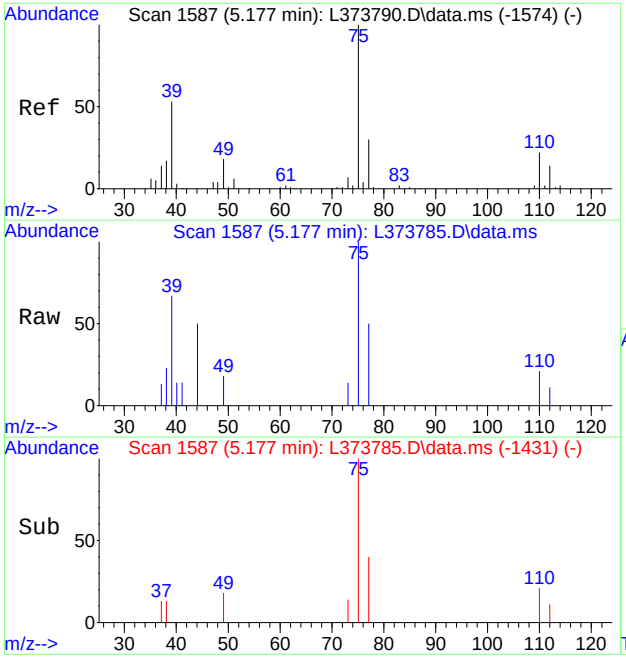


#67
bromodichloromethane
Concen: 0.87 ug/L
RT: 4.847 min Scan# 1484
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 83 Resp: 3100

Ion	Ratio	Lower	Upper
83	100		
85	62.8	31.5	91.5
127	11.6	0.0	38.3

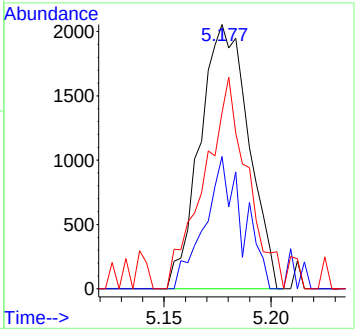


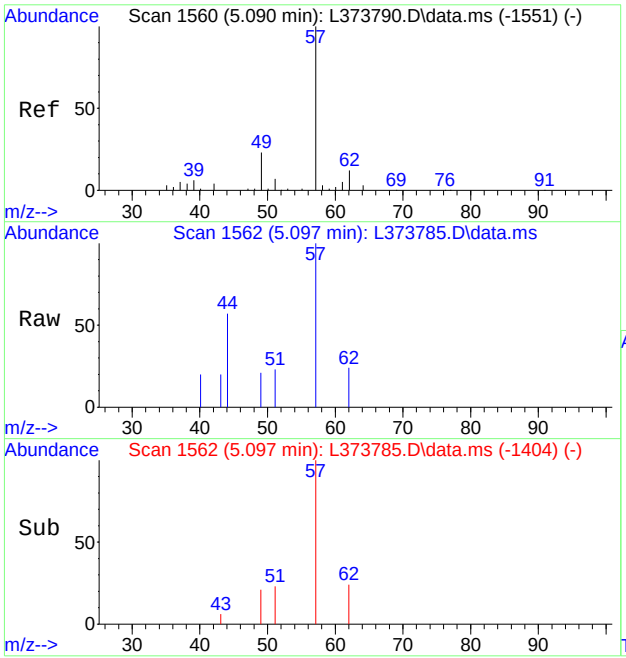


#68
cis-1,3-dichloropropene
Concen: 0.77 ug/L
RT: 5.177 min Scan# 1587
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 75 Resp: 3251

Ion	Ratio	Lower	Upper
75	100		
77	50.0	0.1	60.1
39	66.6	23.1	83.1

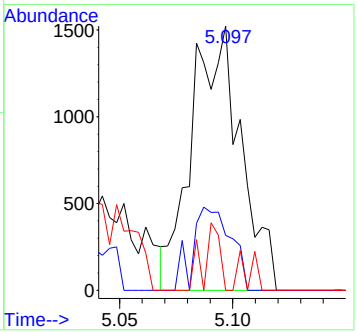


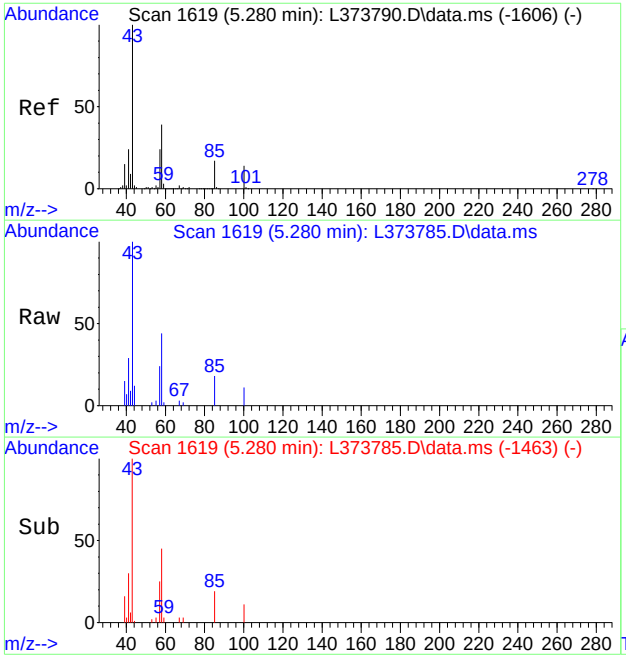


#69
epichlorohydrin
Concen: 4.59 ug/L
RT: 5.097 min Scan# 1562
Delta R.T. 0.006 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 57 Resp: 2306

Ion	Ratio	Lower	Upper
57	100		
49	20.7	1.0	41.0
42	0.0	0.0	29.5

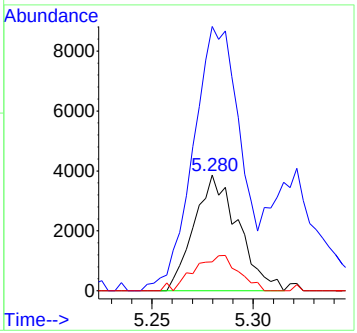


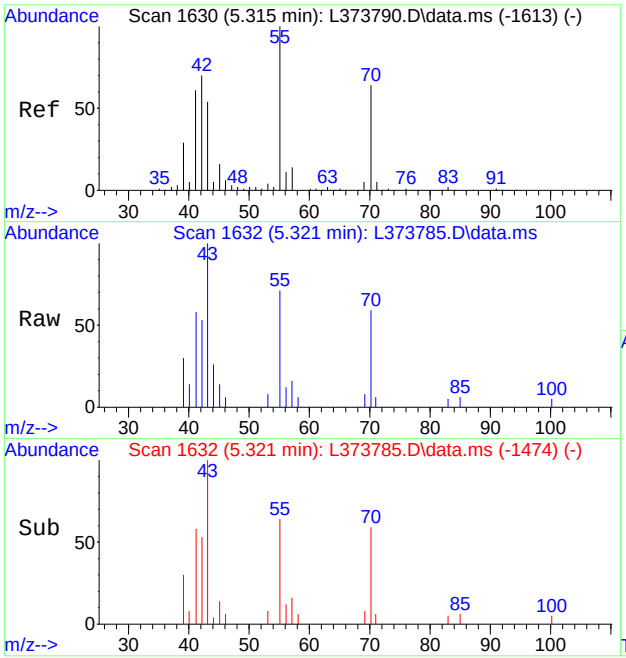


#70
4-methyl-2-pentanone
Concen: 3.75 ug/L
RT: 5.280 min Scan# 1619
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 58 Resp: 5862

Ion	Ratio	Lower	Upper
58	100		
43	217.3	233.3	273.3#
100	24.9	15.2	55.2

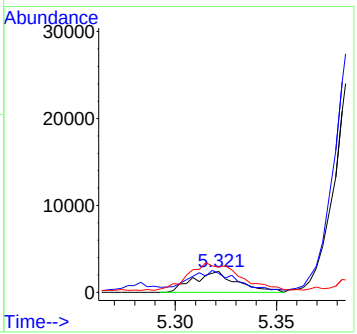


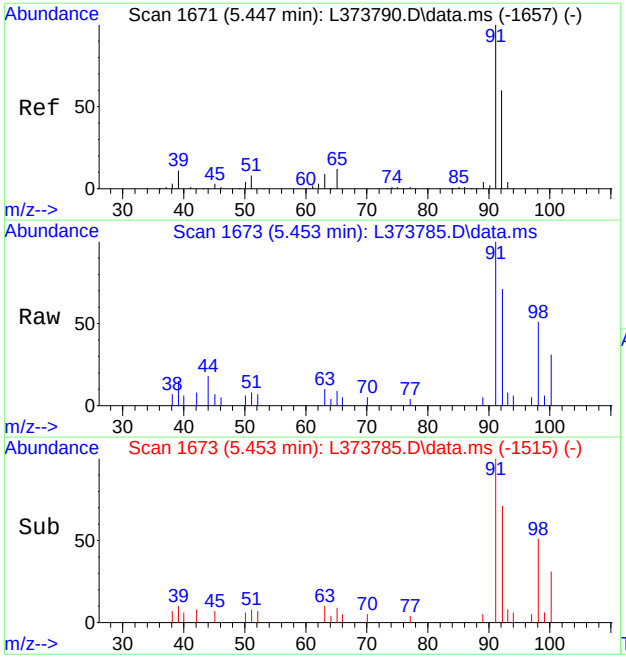


#71
3-methyl-1-butanol
Concen: 19.58 ug/L
RT: 5.321 min Scan# 1632
Delta R.T. 0.006 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 70 Resp: 3649

Ion	Ratio	Lower	Upper
70	100		
42	79.7	94.2	134.2#
55	105.5	137.5	177.5#

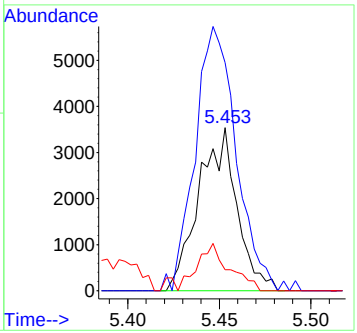


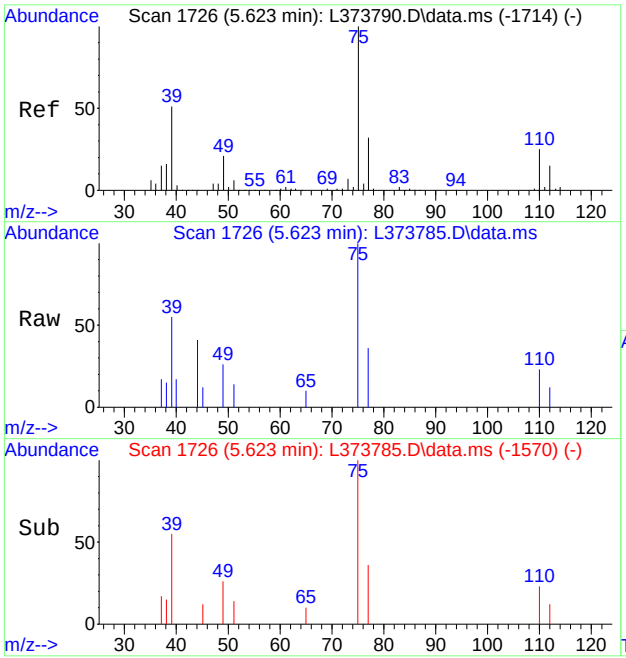


#74
toluene
Concen: 0.77 ug/L
RT: 5.453 min Scan# 1673
Delta R.T. 0.006 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 92 Resp: 5150

Ion	Ratio	Lower	Upper
92	100		
91	139.9	136.7	196.7
65	12.9	0.0	50.8

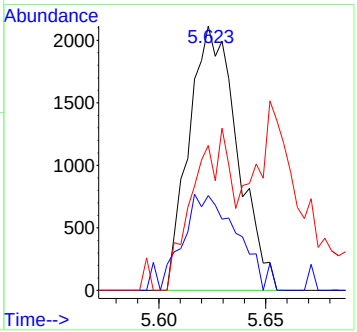


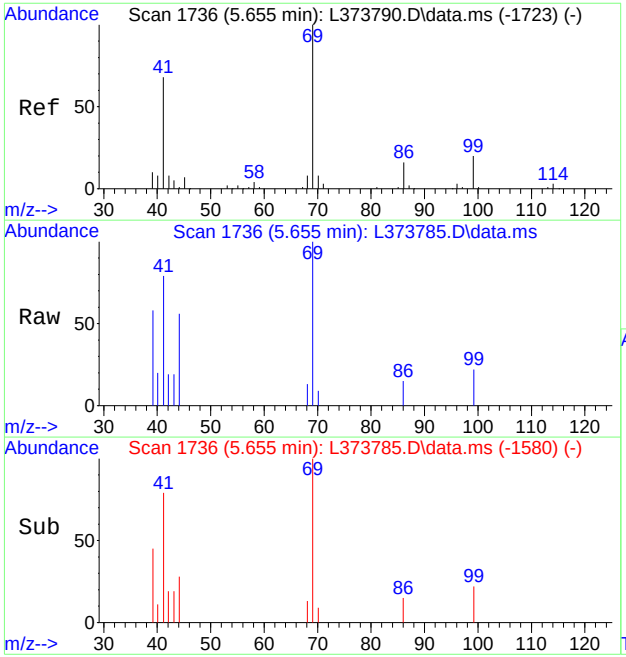


#75
trans-1,3-dichloropropene
Concen: 0.87 ug/L
RT: 5.623 min Scan# 1726
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 75 Resp: 3331

Ion	Ratio	Lower	Upper
75	100		
77	35.9	1.7	61.7
39	54.8	20.7	80.7

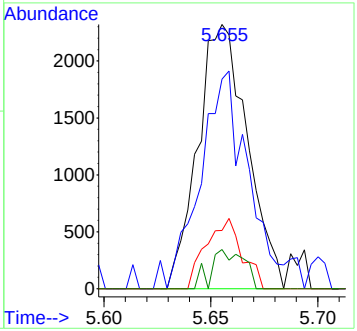


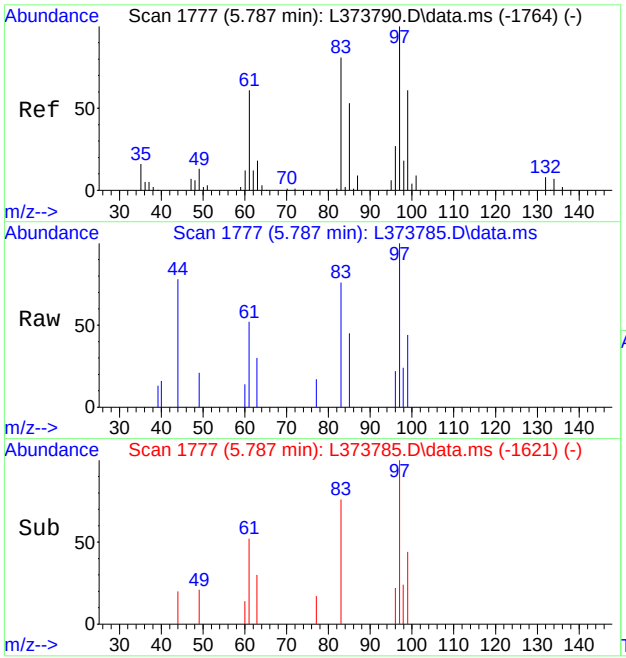


#76
ethyl methacrylate
Concen: 0.92 ug/L
RT: 5.655 min Scan# 1736
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 69 Resp: 3741

Ion	Ratio	Lower	Upper
69	100		
41	70.2	38.9	98.9
99	22.0	0.0	50.4
86	14.9	0.0	45.9

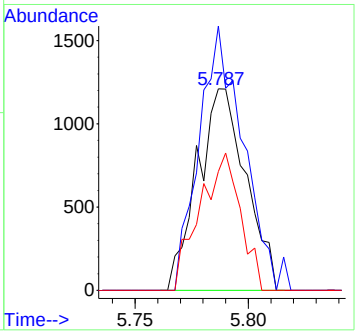


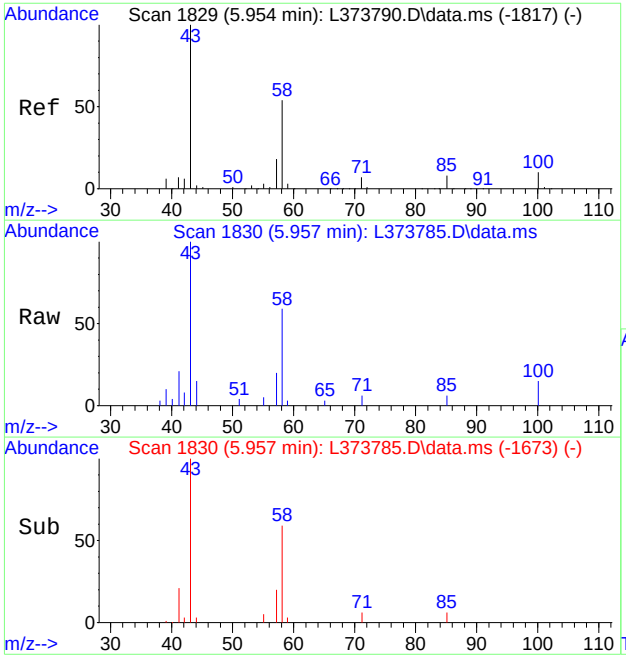


#77
1,1,2-trichloroethane
Concen: 0.90 ug/L
RT: 5.787 min Scan# 1777
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 83 Resp: 1808

Ion	Ratio	Lower	Upper
83	100		
97	131.2	93.6	153.6
85	58.9	35.4	95.4

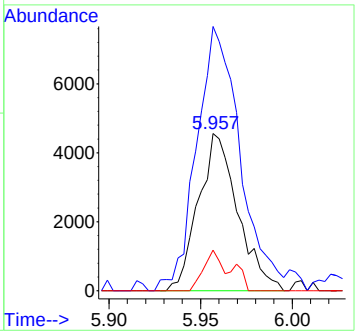


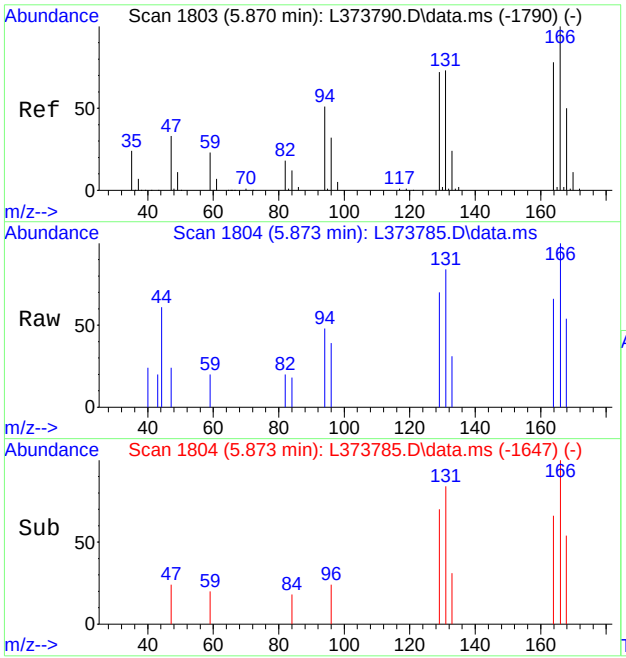


#78
2-hexanone
Concen: 3.98 ug/L
RT: 5.957 min Scan# 1830
Delta R.T. 0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 58 Resp: 6836

Ion	Ratio	Lower	Upper
58	100		
43	161.3	154.6	214.6
100	26.0	0.0	49.0

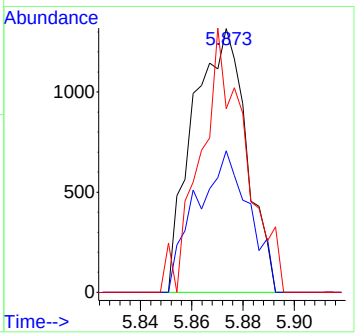


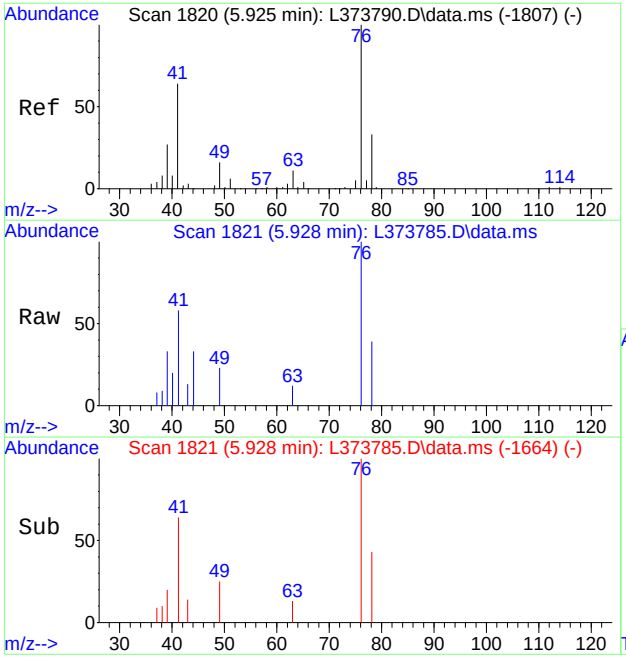


#79
tetrachloroethene
Concen: 0.74 ug/L
RT: 5.873 min Scan# 1804
Delta R.T. 0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion:166 Resp: 1904

Ion	Ratio	Lower	Upper
166	100		
168	53.7	19.7	79.7
129	69.6	42.4	102.4

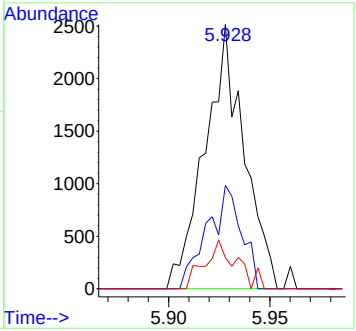


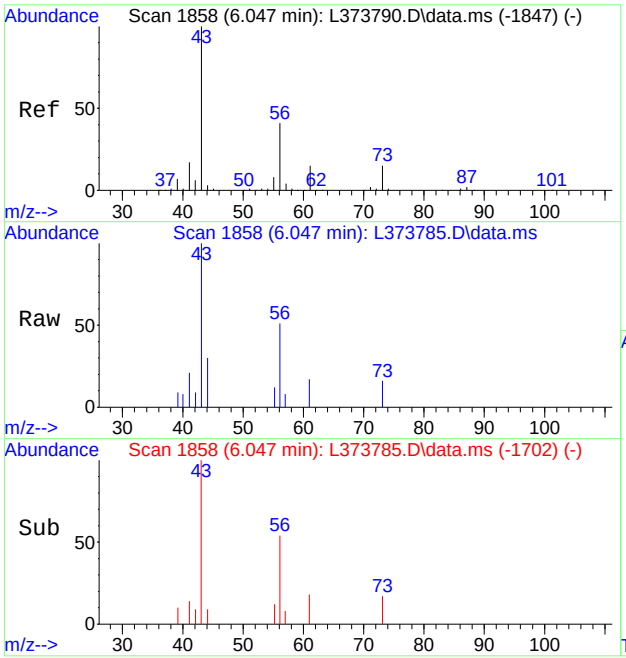


#80
1,3-dichloropropane
Concen: 0.86 ug/L
RT: 5.928 min Scan# 1821
Delta R.T. 0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 76 Resp: 3373

Ion	Ratio	Lower	Upper
76	100		
78	39.1	2.7	62.7
63	11.8	0.0	41.2

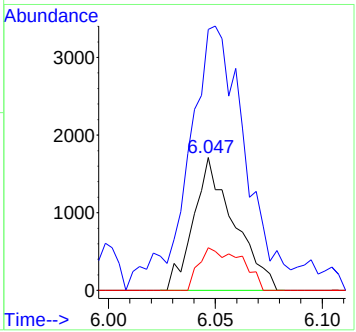


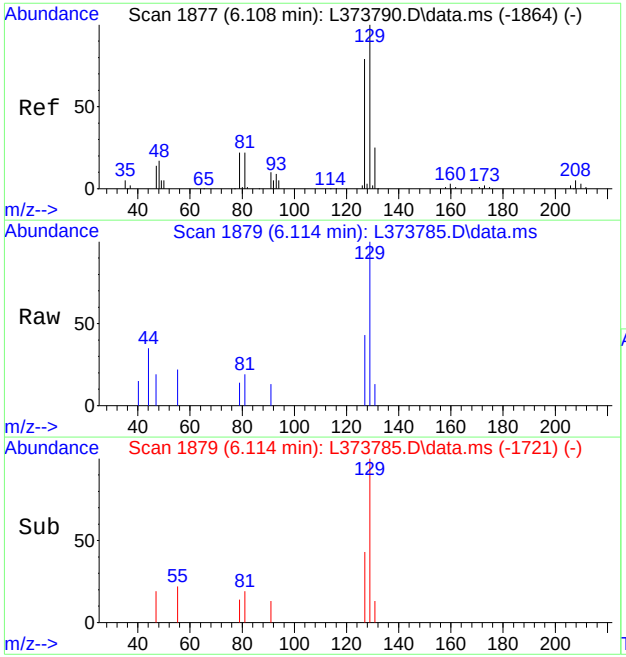


#81
butyl acetate
Concen: 0.96 ug/L
RT: 6.047 min Scan# 1858
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 56 Resp: 2262

Ion	Ratio	Lower	Upper
56	100		
43	176.5	218.3	278.3#
73	32.2	7.2	67.2

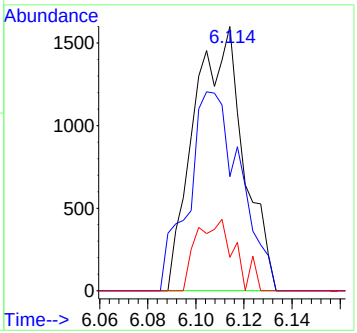


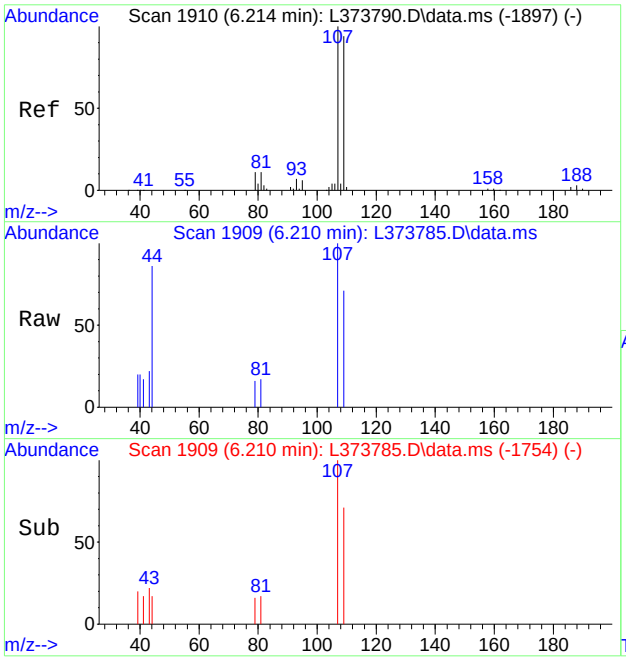


#82
dibromochloromethane
Concen: 0.83 ug/L
RT: 6.114 min Scan# 1879
Delta R.T. 0.006 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion:129 Resp: 2283

Ion	Ratio	Lower	Upper
129	100		
127	43.2	49.0	109.0#
131	12.7	0.0	54.6

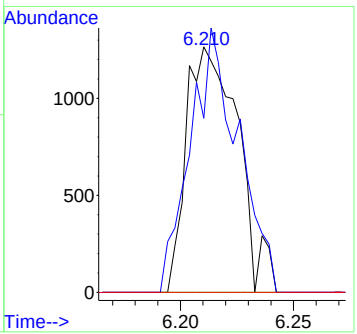


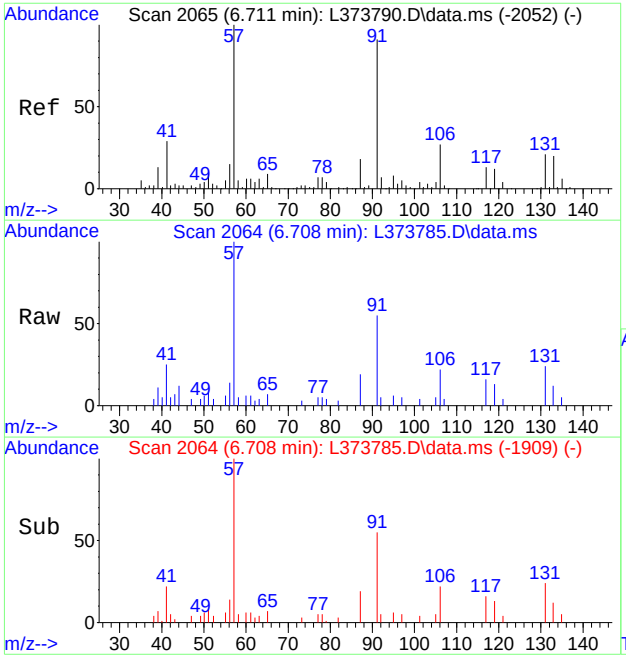


#83
1,2-dibromoethane
Concen: 0.80 ug/L
RT: 6.210 min Scan# 1909
Delta R.T. -0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion:107 Resp: 2022

Ion	Ratio	Lower	Upper
107	100		
109	70.9	63.9	123.9
188	0.0	0.0	33.4

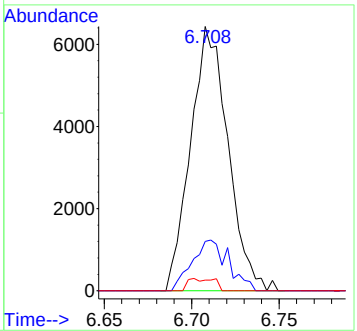


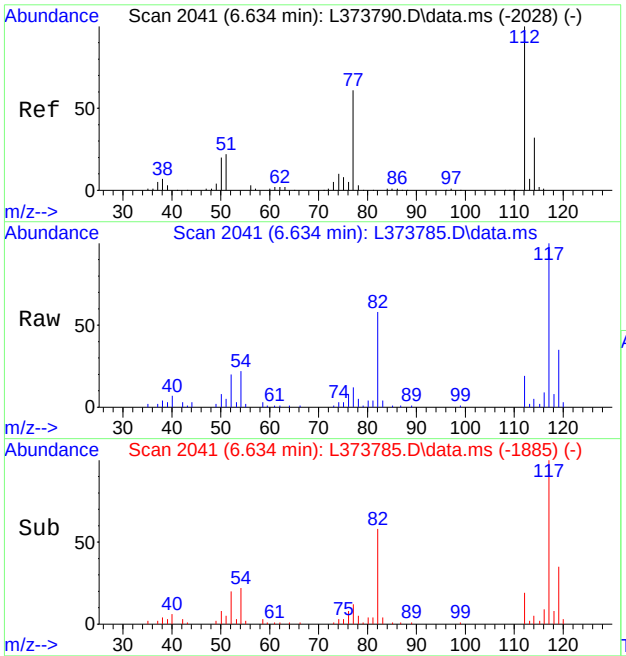


#84
n-butyl ether
Concen: 0.91 ug/L
RT: 6.708 min Scan# 2064
Delta R.T. -0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 57 Resp: 9590

Ion	Ratio	Lower	Upper
57	100		
87	18.6	0.0	47.8
101	4.1	0.0	34.2

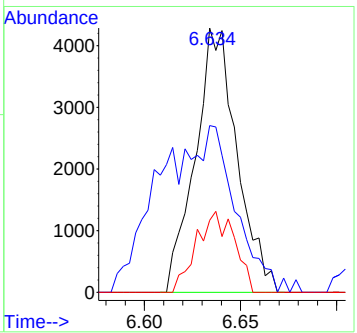


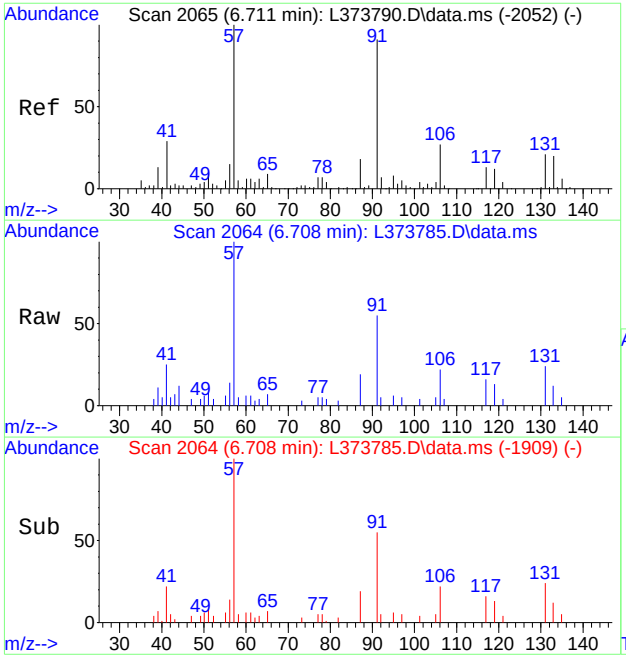


#85
chlorobenzene
Concen: 1.00 ug/L
RT: 6.634 min Scan# 2041
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion:112 Resp: 6497

Ion	Ratio	Lower	Upper
112	100		
77	57.6	30.8	90.8
114	27.3	2.4	62.4

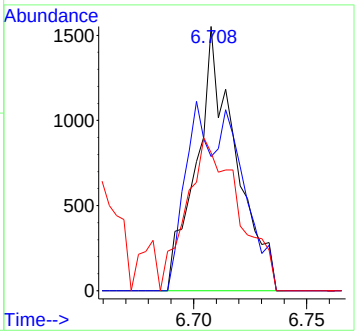


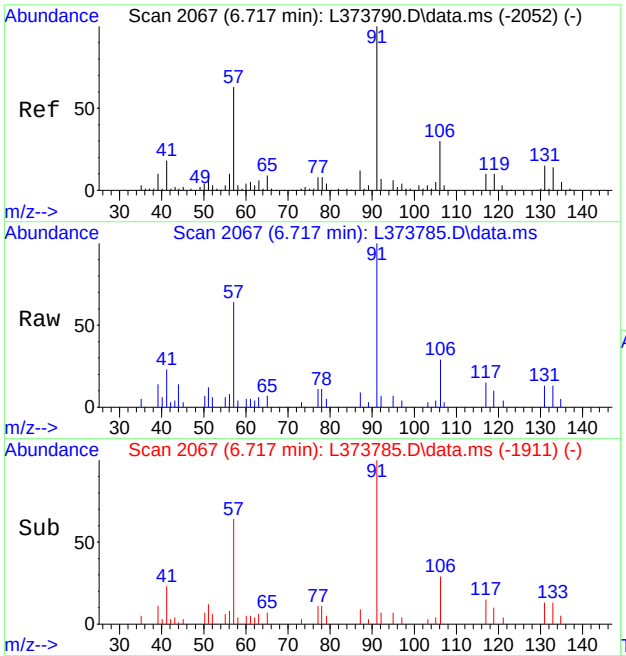


#86
1,1,1,2-tetrachloroethane
Concen: 0.86 ug/L
RT: 6.708 min Scan# 2064
Delta R.T. -0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion:131 Resp: 1860

Ion	Ratio	Lower	Upper
131	100		
133	50.7	65.1	125.1#
119	52.3	30.8	90.8

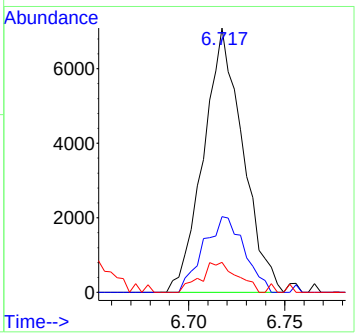


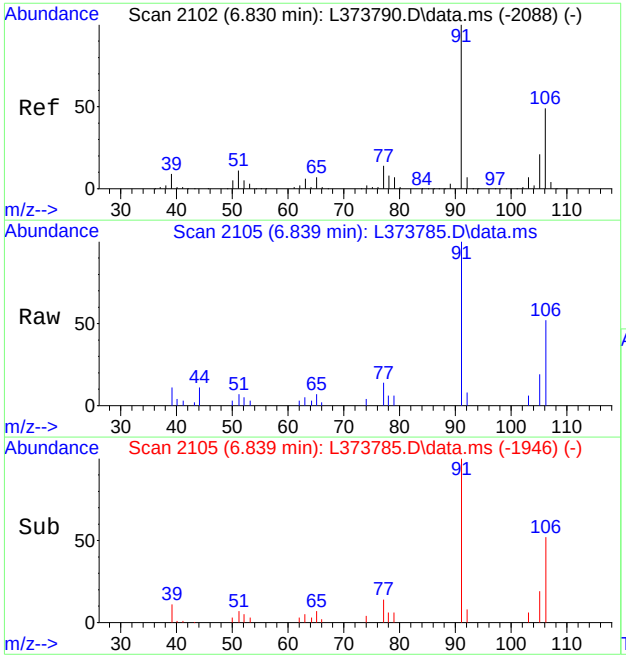


#87
ethylbenzene
Concen: 0.88 ug/L
RT: 6.717 min Scan# 2067
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 91 Resp: 10081

Ion	Ratio	Lower	Upper
91	100		
106	28.6	0.1	60.1
77	11.3	0.0	38.6

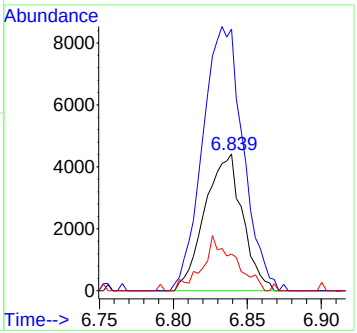


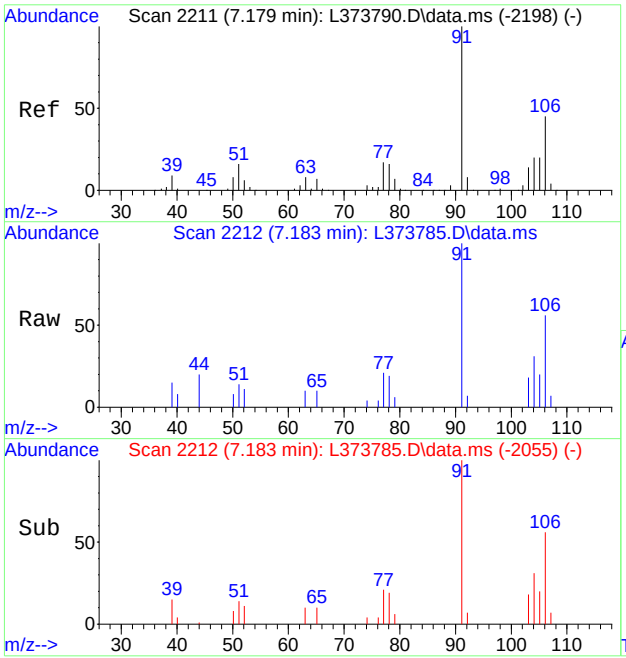


#88
m,p-xylene
Concen: 1.76 ug/L
RT: 6.839 min Scan# 2105
Delta R.T. 0.010 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion:106 Resp: 7802

Ion	Ratio	Lower	Upper
106	100		
91	191.4	175.7	235.7
77	26.9	8.1	48.1

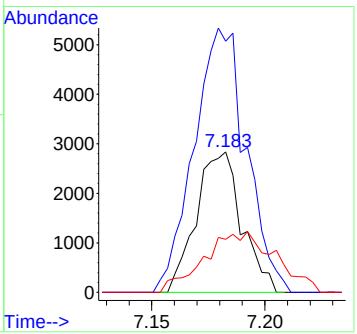


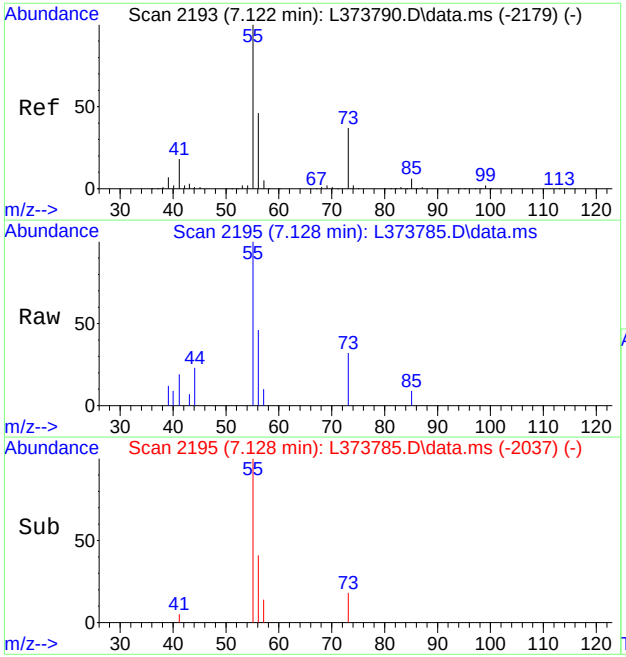


#89
o-xylene
Concen: 0.93 ug/L
RT: 7.183 min Scan# 2212
Delta R.T. 0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion:106 Resp: 3965

Ion	Ratio	Lower	Upper
106	100		
91	170.4	194.5	254.5#
77	37.8	18.1	58.1

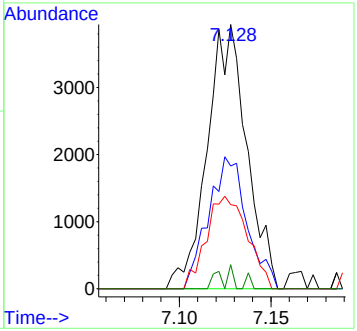


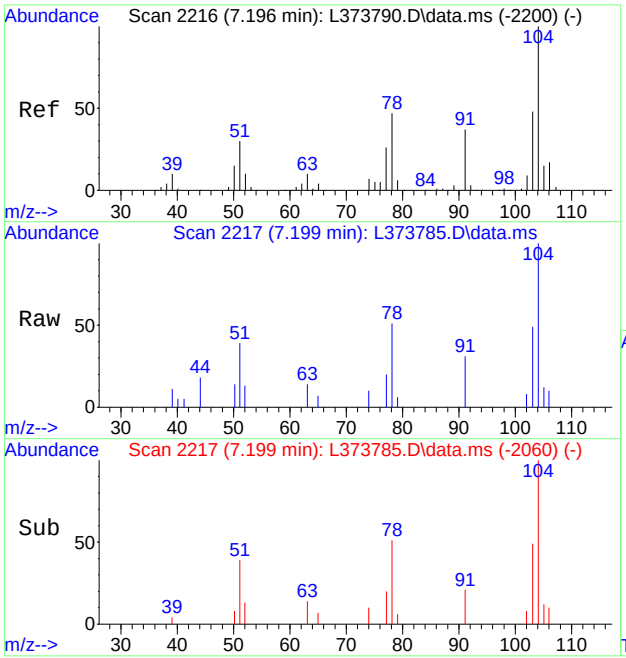


#90
butyl acrylate
Concen: 0.91 ug/L
RT: 7.128 min Scan# 2195
Delta R.T. 0.006 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 55 Resp: 5935

Ion	Ratio	Lower	Upper
55	100		
56	46.4	26.3	66.3
73	31.8	17.5	57.5
85	9.1	0.0	25.6

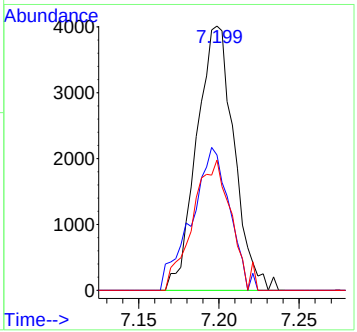


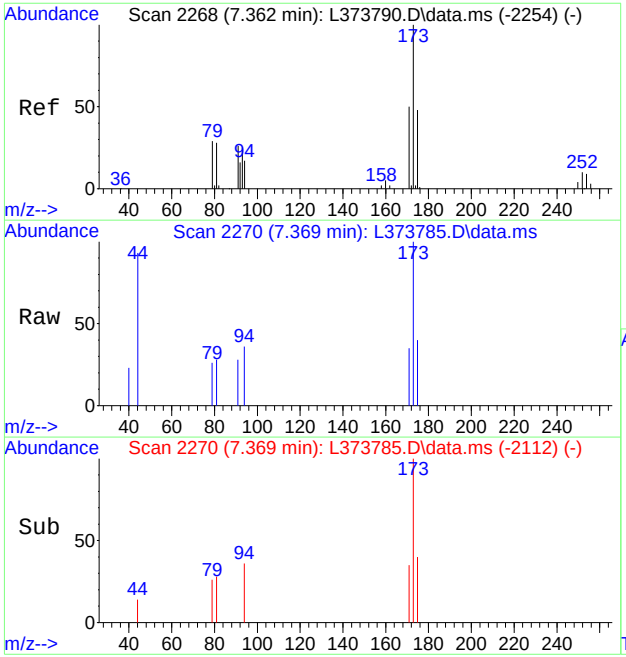


#91
styrene
Concen: 0.92 ug/L
RT: 7.199 min Scan# 2217
Delta R.T. 0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion:104 Resp: 6511

Ion	Ratio	Lower	Upper
104	100		
78	51.2	16.8	76.8
103	49.3	17.7	77.7

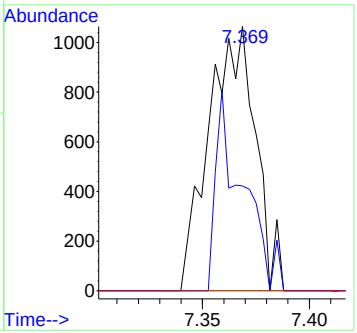


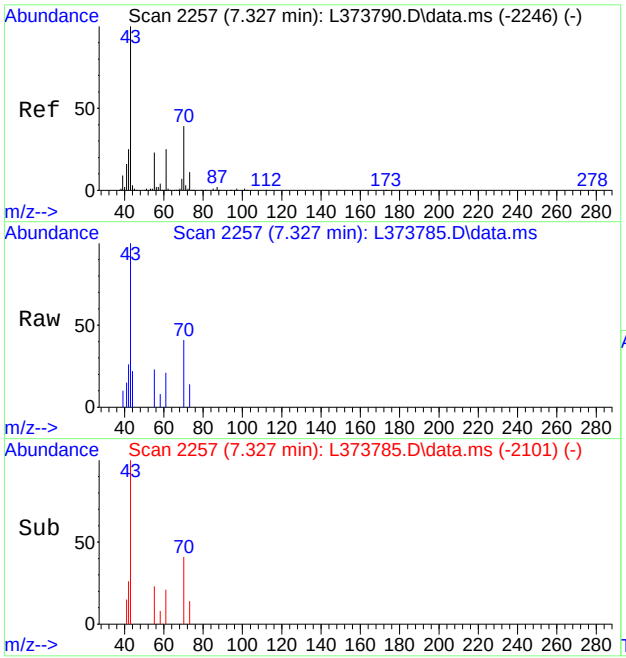


#92
bromoform
Concen: 0.83 ug/L
RT: 7.369 min Scan# 2270
Delta R.T. 0.006 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion:173 Resp: 1624

Ion	Ratio	Lower	Upper
173	100		
175	39.6	17.8	77.8
254	0.0	0.0	39.4

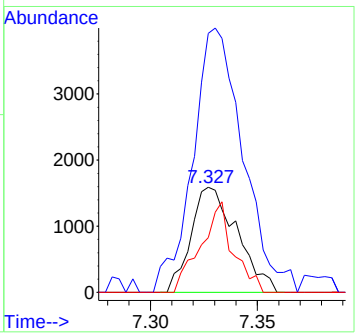


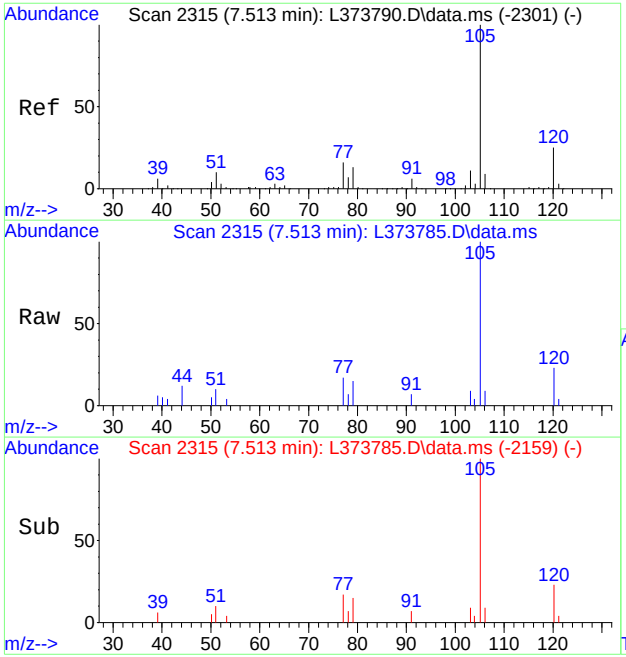


#93
n-amyl acetate
Concen: 1.02 ug/L
RT: 7.327 min Scan# 2257
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 70 Resp: 2385

Ion	Ratio	Lower	Upper
70	100		
43	227.4	233.4	273.4#
61	52.1	42.6	82.6

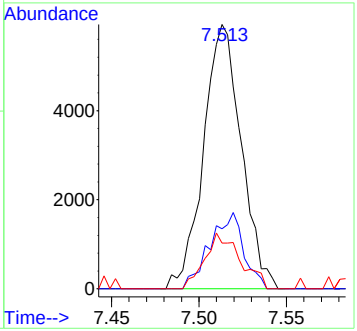


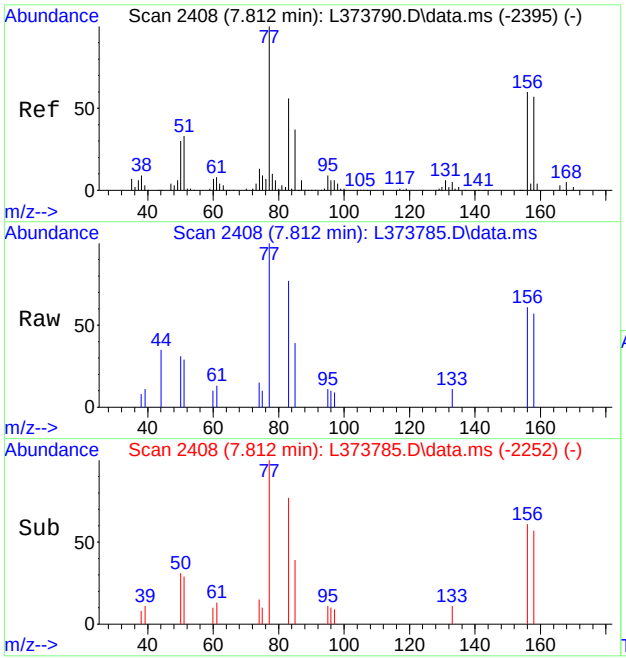


#94
isopropylbenzene
Concen: 0.85 ug/L
RT: 7.513 min Scan# 2315
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion:105 Resp: 8931

Ion	Ratio	Lower	Upper
105	100		
120	22.7	5.2	45.2
77	17.3	0.0	36.2

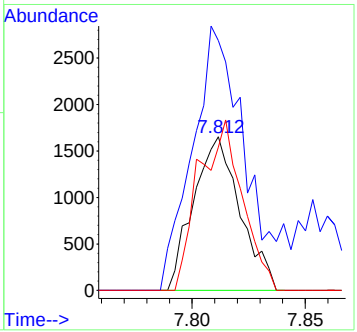


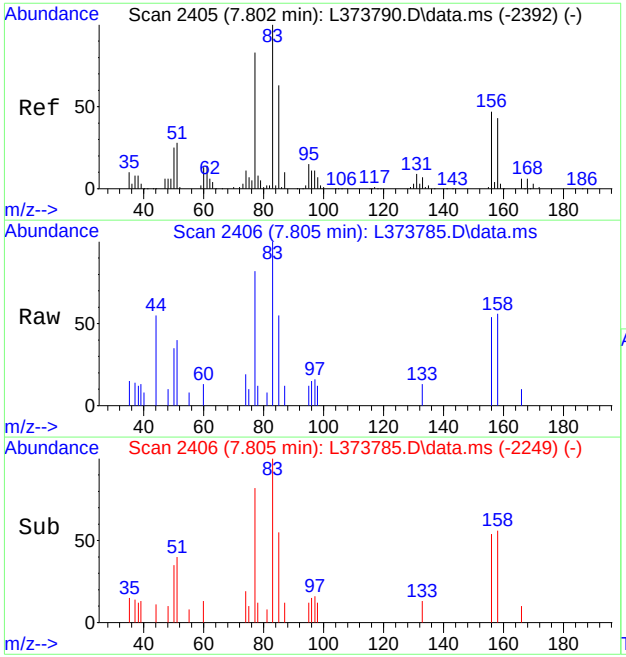


#98
bromobenzene
Concen: 0.91 ug/L
RT: 7.812 min Scan# 2408
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion:156 Resp: 2366

Ion	Ratio	Lower	Upper
156	100		
77	162.6	137.0	197.0
158	93.2	65.5	125.5

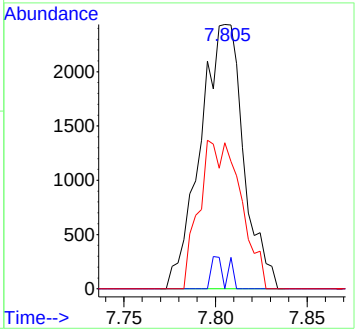


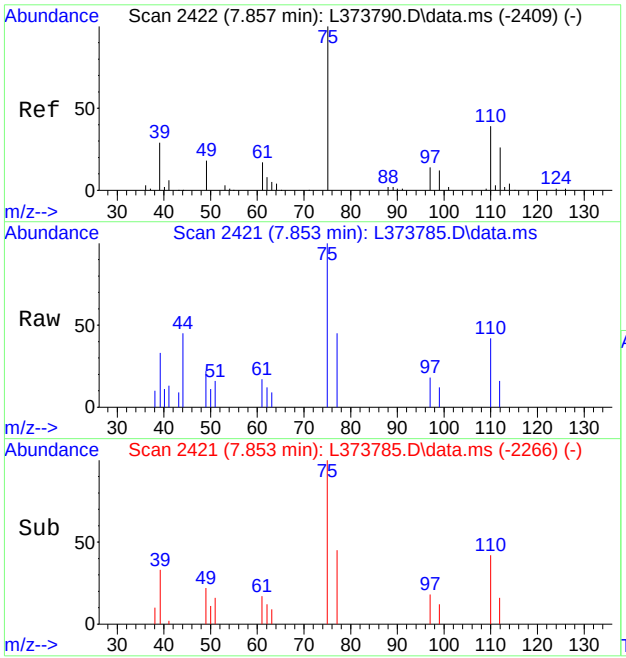


#99
1,1,2,2-tetrachloroethane
Concen: 1.04 ug/L
RT: 7.805 min Scan# 2406
Delta R.T. 0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 83 Resp: 4023

Ion	Ratio	Lower	Upper
83	100		
131	0.0	0.0	38.9
85	55.3	33.3	93.3

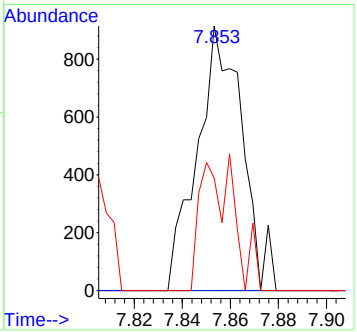


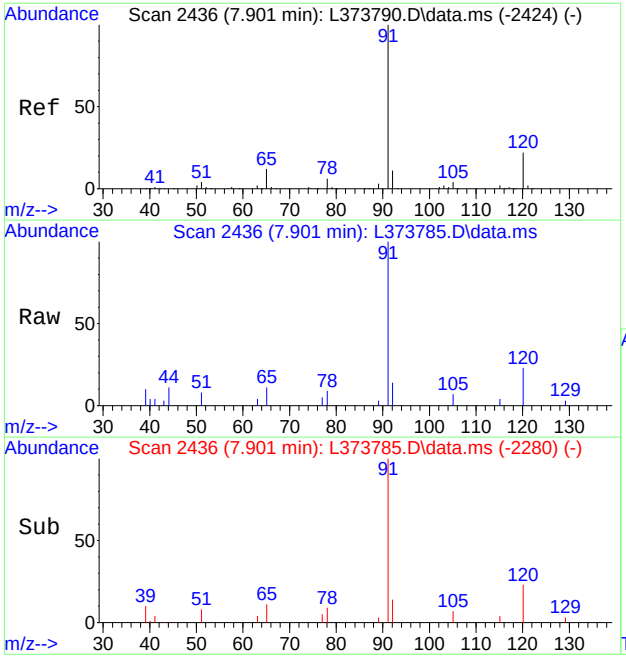


#101
1,2,3-trichloropropane
Concen: 1.03 ug/L
RT: 7.853 min Scan# 2421
Delta R.T. -0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion:110 Resp: 1184

Ion	Ratio	Lower	Upper
110	100		
111	0.0	0.0	38.4
97	42.5	22.5	82.5

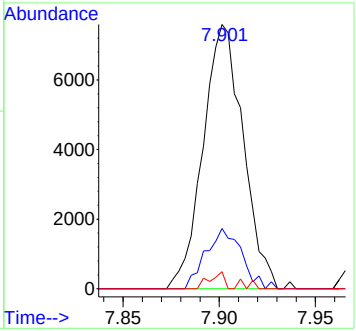


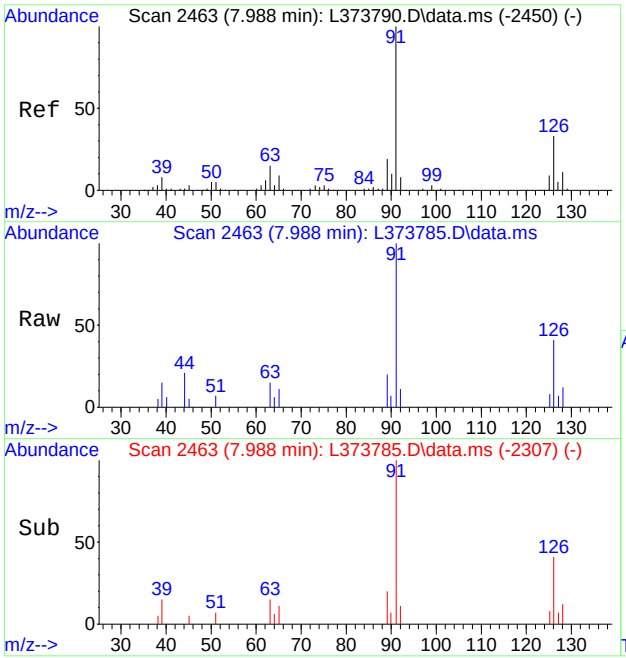


#102
n-propylbenzene
Concen: 0.86 ug/L
RT: 7.901 min Scan# 2436
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 91 Resp: 11004

Ion	Ratio	Lower	Upper
91	100		
120	22.8	0.0	51.5
105	6.5	0.0	33.7

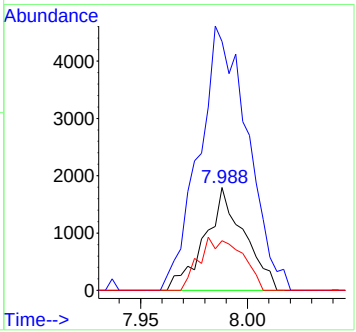


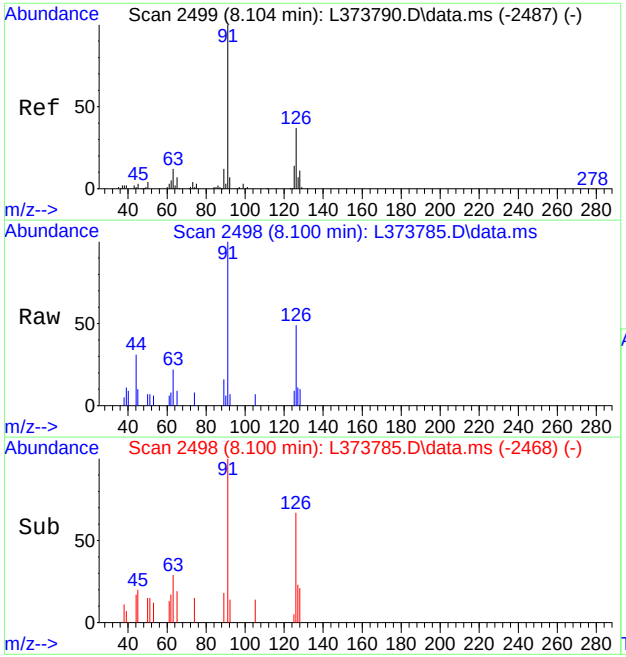


#103
2-chlorotoluene
Concen: 0.95 ug/L
RT: 7.988 min Scan# 2463
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion:126 Resp: 2291

Ion	Ratio	Lower	Upper
126	100		
91	241.5	276.4	336.4#
89	48.2	28.8	88.8

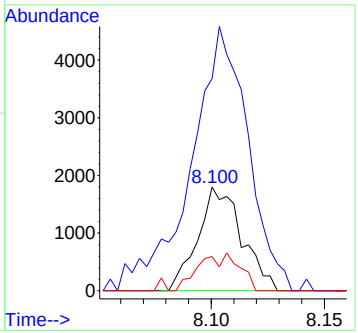


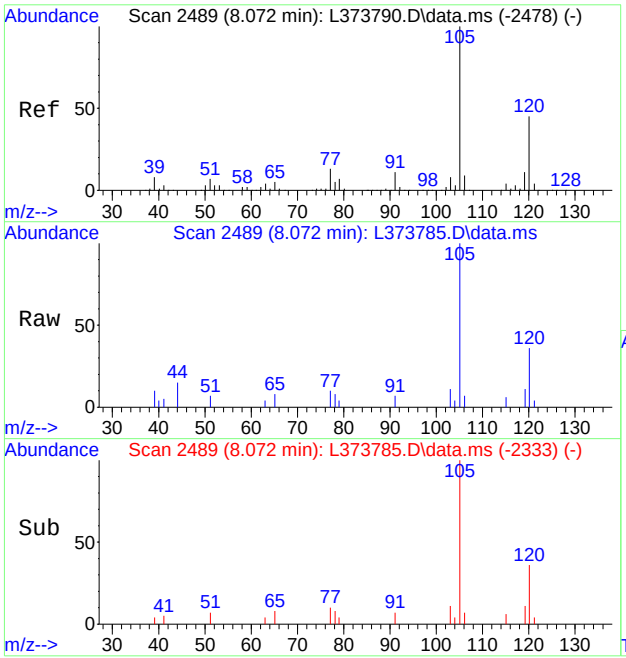


#104
4-chlorotoluene
Concen: 0.92 ug/L
RT: 8.100 min Scan# 2498
Delta R.T. -0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion:126 Resp: 2425

Ion	Ratio	Lower	Upper
126	100		
91	185.2	265.5	325.5#
89	33.0	5.5	65.5

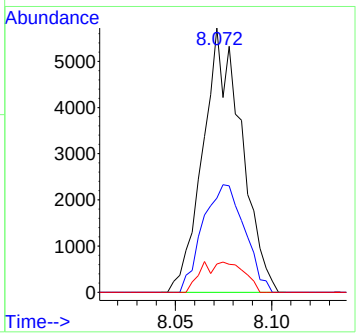


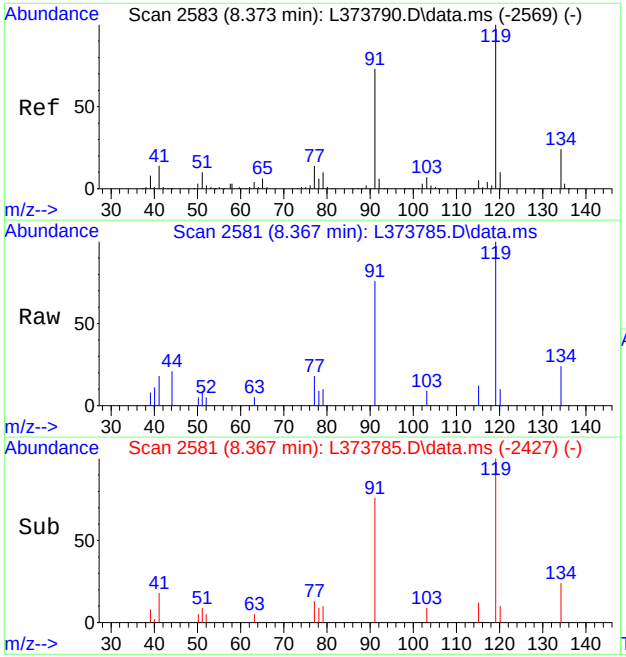


#105
1,3,5-trimethylbenzene
Concen: 0.90 ug/L
RT: 8.072 min Scan# 2489
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion:105 Resp: 7962

Ion	Ratio	Lower	Upper
105	100		
120	35.7	14.9	74.9
119	10.7	0.0	40.8

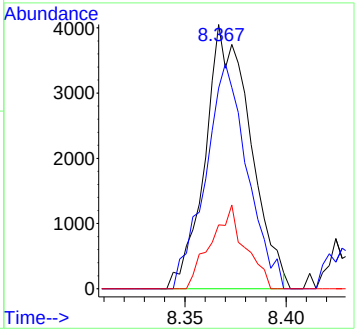


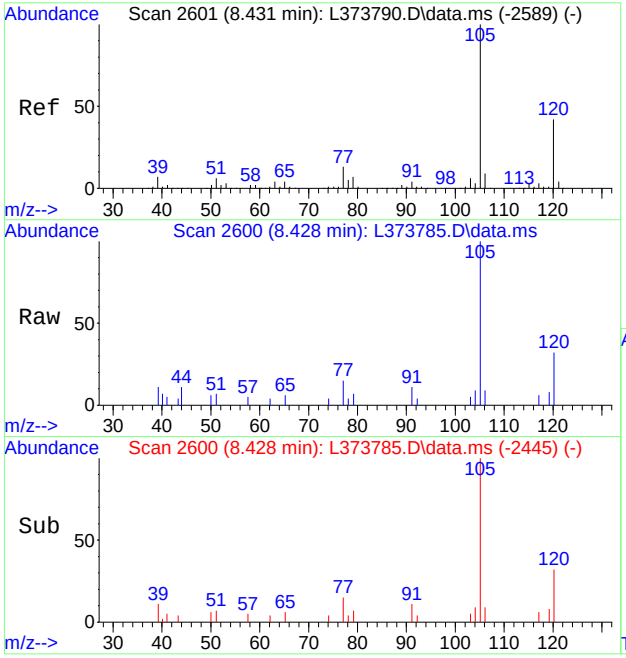


#106
tert-butylbenzene
Concen: 0.88 ug/L
RT: 8.367 min Scan# 2581
Delta R.T. -0.006 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion:119 Resp: 6270

Ion	Ratio	Lower	Upper
119	100		
91	75.9	42.9	102.9
134	24.1	0.0	54.4

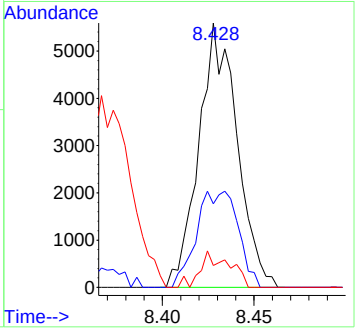


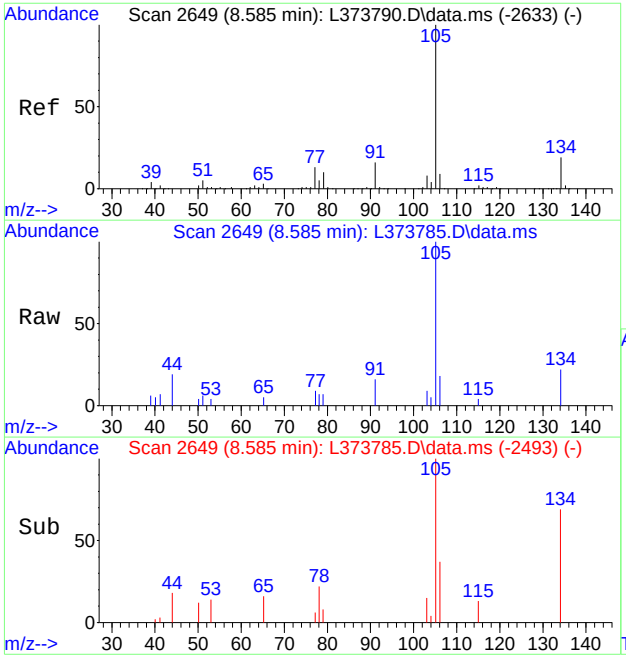


#107
1,2,4-trimethylbenzene
Concen: 0.93 ug/L
RT: 8.428 min Scan# 2600
Delta R.T. -0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion:105 Resp: 8138

Ion	Ratio	Lower	Upper
105	100		
120	31.6	13.1	73.1
119	8.3	0.0	41.9

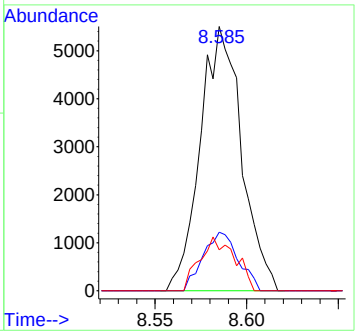


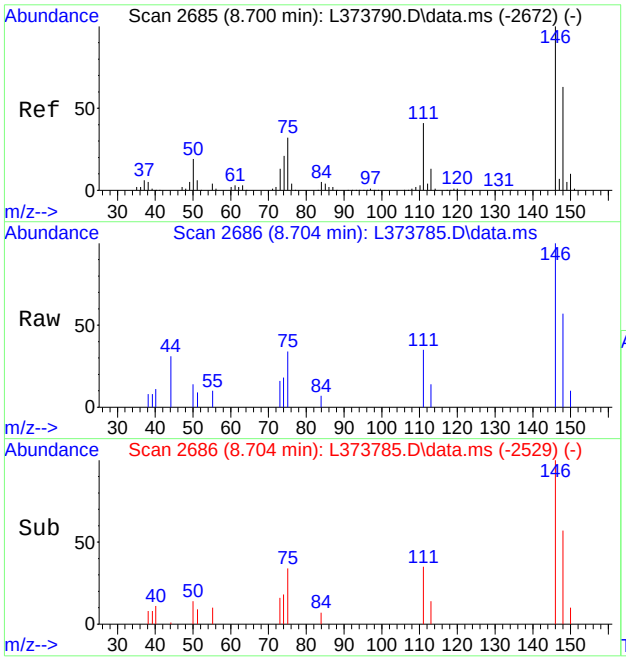


#108
sec-butylbenzene
Concen: 0.84 ug/L
RT: 8.585 min Scan# 2649
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion:105 Resp: 8656

Ion	Ratio	Lower	Upper
105	100		
134	22.2	0.0	48.8
91	15.5	0.0	45.9

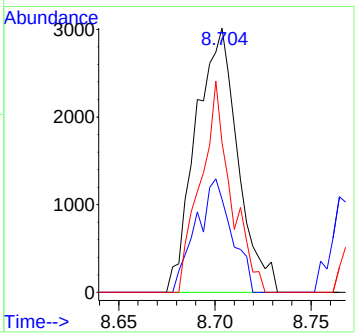


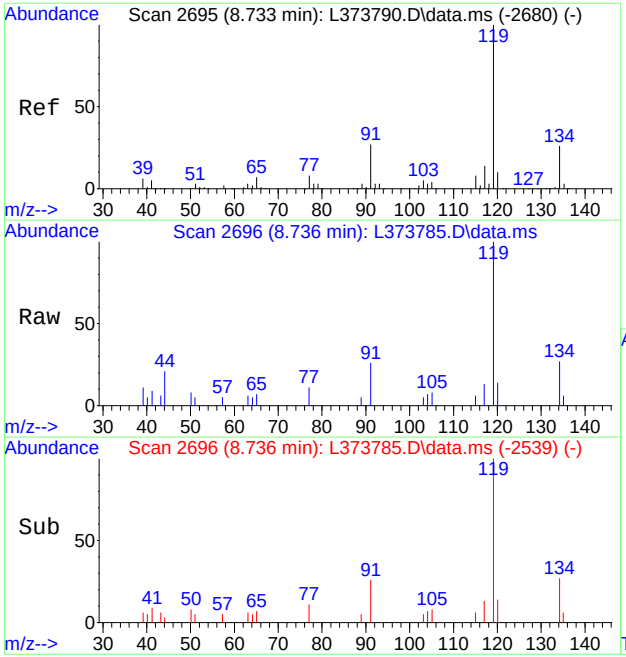


#109
1,3-dichlorobenzene
Concen: 0.93 ug/L
RT: 8.704 min Scan# 2686
Delta R.T. 0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion:146 Resp: 4601

Ion	Ratio	Lower	Upper
146	100		
111	35.2	11.0	71.0
148	56.6	33.0	93.0

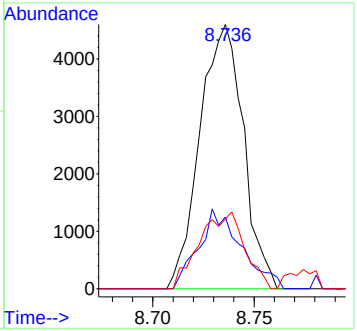


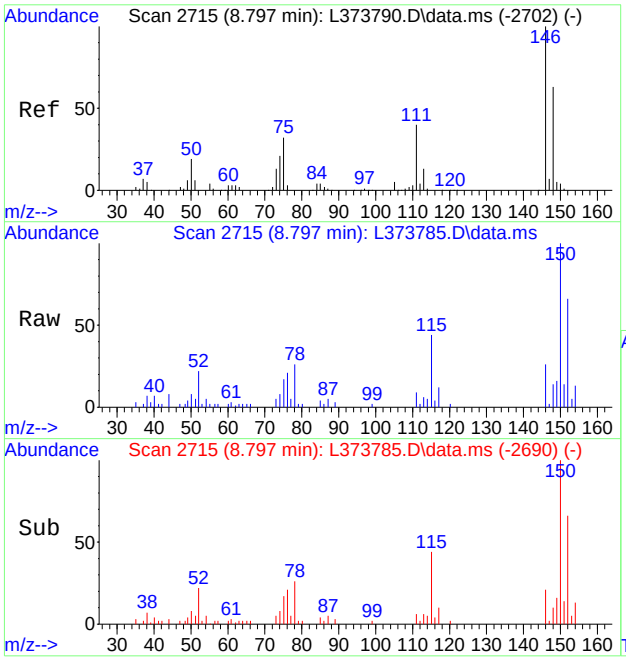


#110
p-isopropyltoluene
Concen: 0.80 ug/L
RT: 8.736 min Scan# 2696
Delta R.T. 0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion:119 Resp: 6872

Ion	Ratio	Lower	Upper
119	100		
134	27.1	0.0	56.5
91	26.4	0.0	56.9

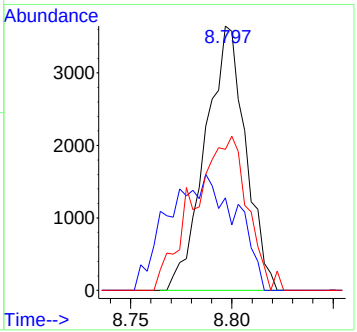


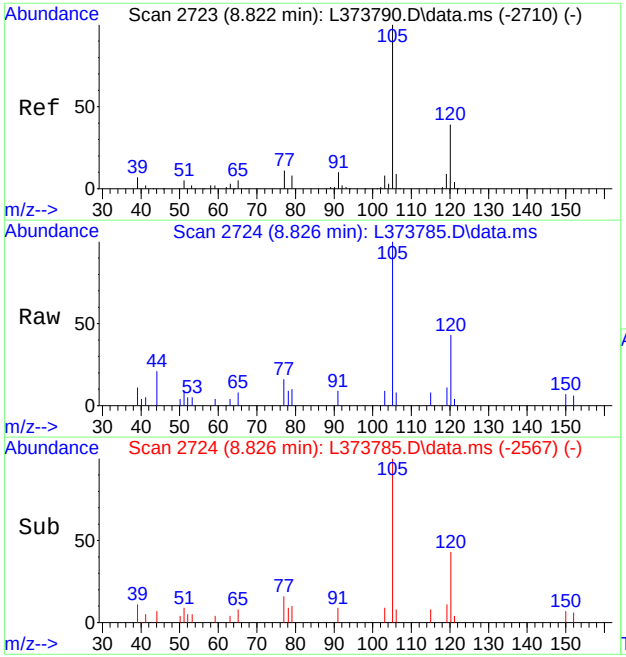


#111
1,4-dichlorobenzene
Concen: 0.98 ug/L
RT: 8.797 min Scan# 2715
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion:146 Resp: 5033

Ion	Ratio	Lower	Upper
146	100		
111	35.0	9.7	69.7
148	53.4	33.0	93.0

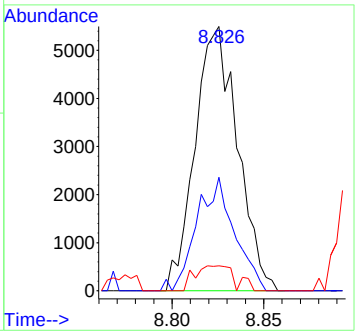


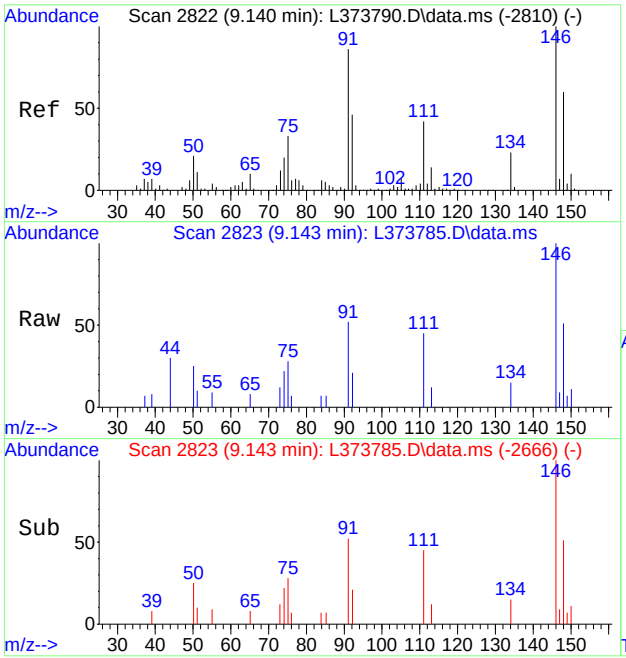


#112
1,2,3-trimethylbenzene
Concen: 0.92 ug/L
RT: 8.826 min Scan# 2724
Delta R.T. 0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion:105 Resp: 8910

Ion	Ratio	Lower	Upper
105	100		
120	42.9	8.8	68.8
91	9.4	0.0	40.2

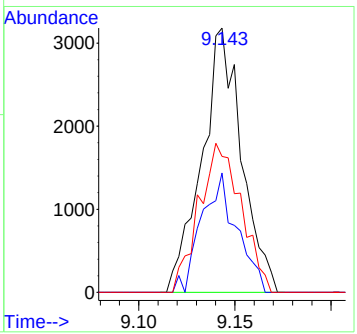


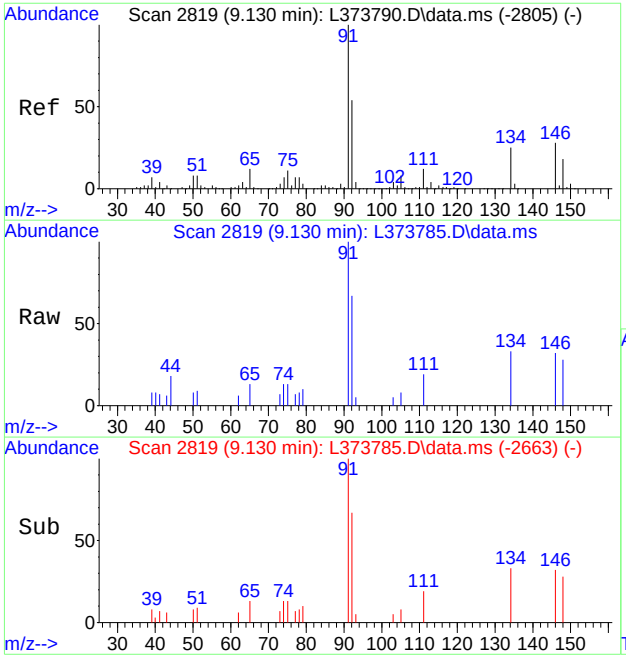


#113
1,2-dichlorobenzene
Concen: 1.02 ug/L
RT: 9.143 min Scan# 2823
Delta R.T. 0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion:146 Resp: 4588

Ion	Ratio	Lower	Upper
146	100		
111	45.2	12.1	72.1
148	51.4	30.4	90.4

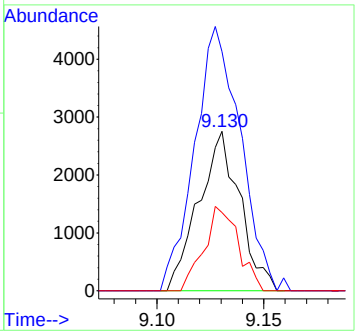


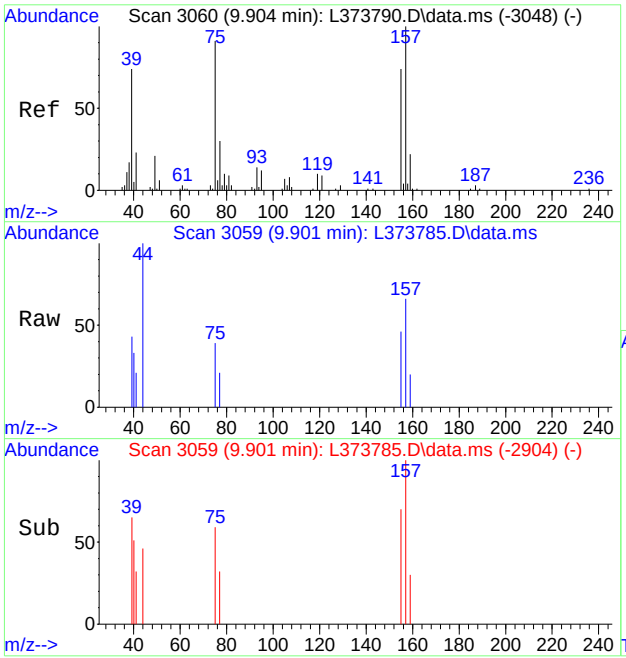


#114
n-butylbenzene
Concen: 0.91 ug/L
RT: 9.130 min Scan# 2819
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 92 Resp: 3685

Ion	Ratio	Lower	Upper
92	100		
91	149.9	155.4	215.4#
134	49.0	15.6	75.6

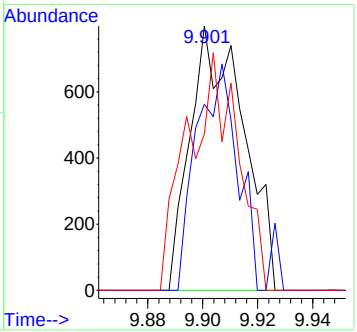


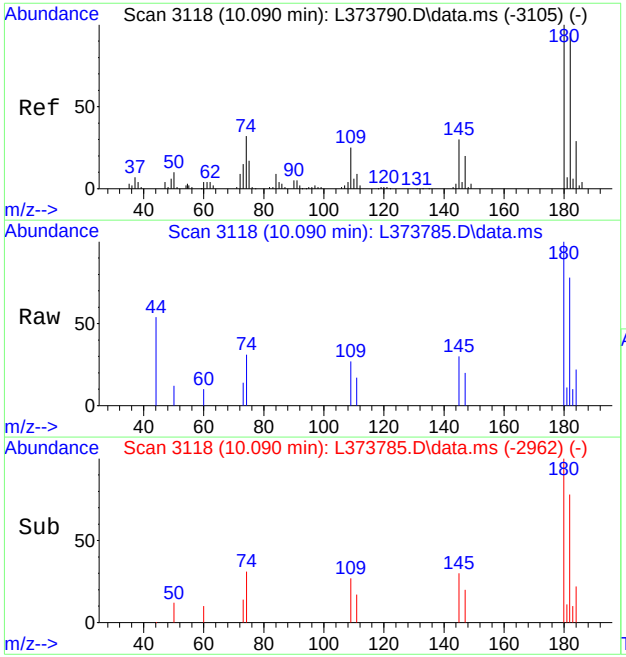


#115
1,2-dibromo-3-chloropropane
Concen: 1.09 ug/L
RT: 9.901 min Scan# 3059
Delta R.T. -0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion:157 Resp: 1078

Ion	Ratio	Lower	Upper
157	100		
155	70.3	44.1	104.1
75	59.2	60.9	120.9#

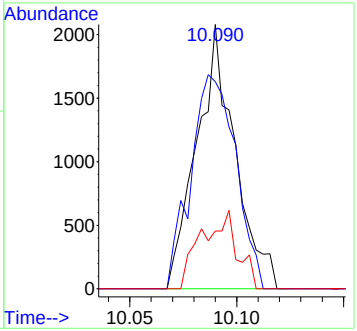


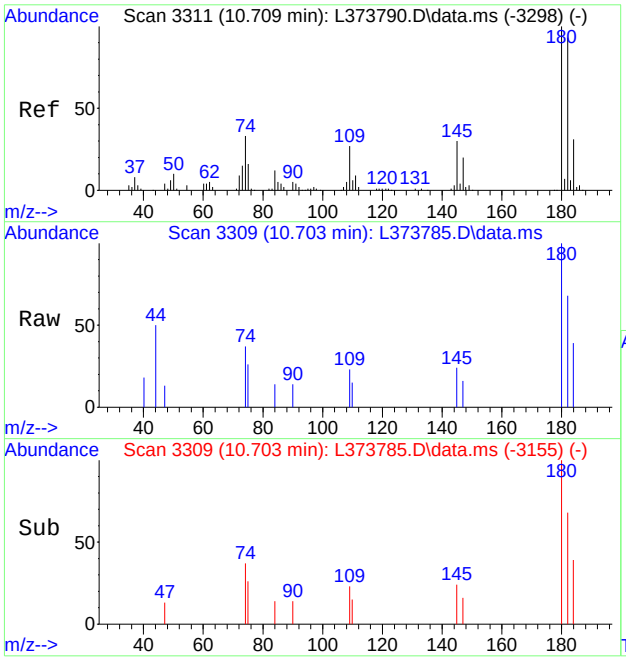


#116
1,3,5-trichlorobenzene
Concen: 0.86 ug/L
RT: 10.090 min Scan# 3118
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion:180 Resp: 2595

Ion	Ratio	Lower	Upper
180	100		
182	78.4	65.0	125.0
184	21.9	0.0	59.4

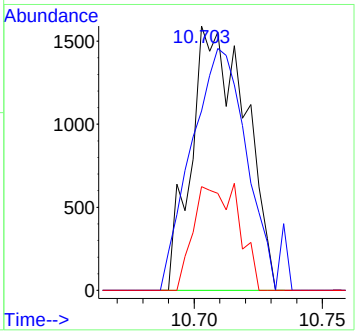


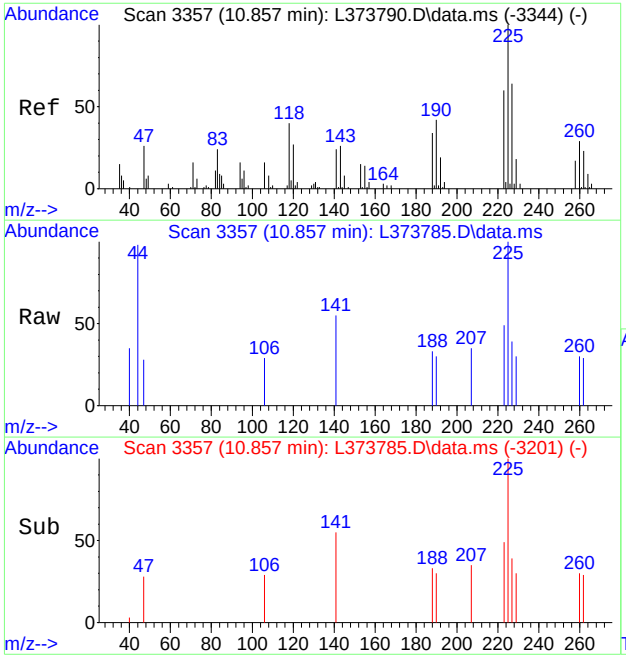


#117
1,2,4-trichlorobenzene
Concen: 0.91 ug/L
RT: 10.703 min Scan# 3309
Delta R.T. -0.006 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion:180 Resp: 2342

Ion	Ratio	Lower	Upper
180	100		
182	67.8	63.1	123.1
184	39.3	0.8	60.8

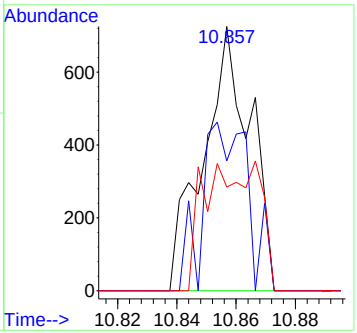


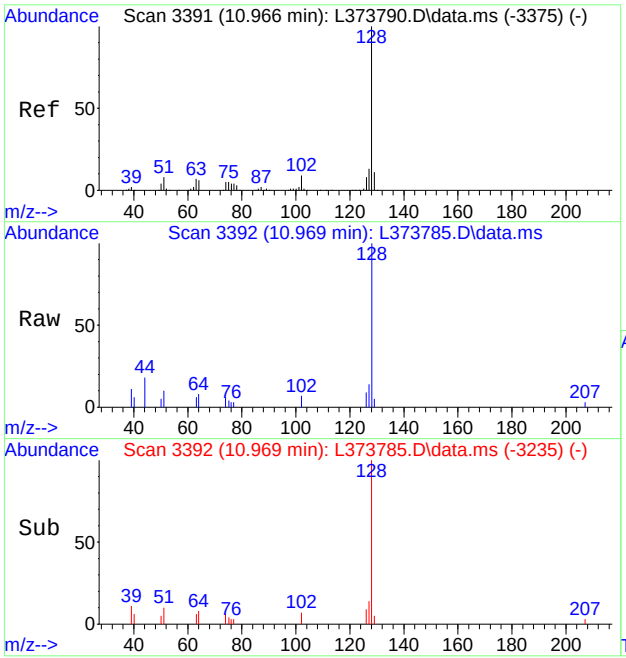


#118
hexachlorobutadiene
Concen: 0.85 ug/L
RT: 10.857 min Scan# 3357
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion:225 Resp: 804

Ion	Ratio	Lower	Upper
225	100		
223	49.0	30.0	90.0
227	39.3	33.8	93.8

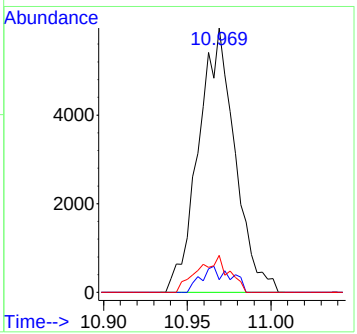


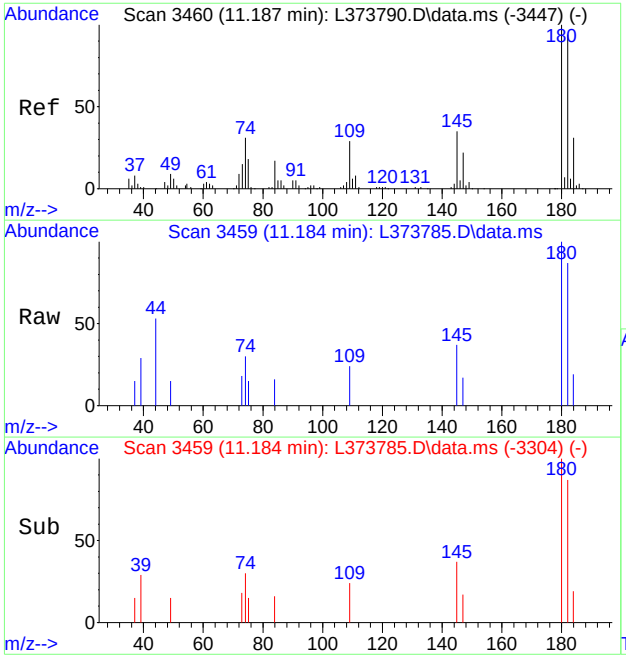


#119
naphthalene
Concen: 0.92 ug/L
RT: 10.969 min Scan# 3392
Delta R.T. 0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion:128 Resp: 9053

Ion	Ratio	Lower	Upper
128	100		
129	4.8	0.0	41.1
127	14.0	0.0	42.9

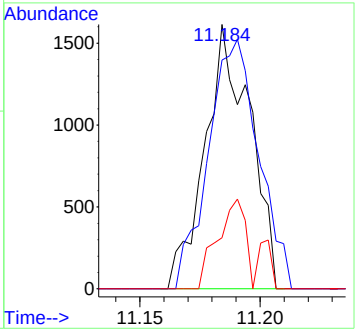


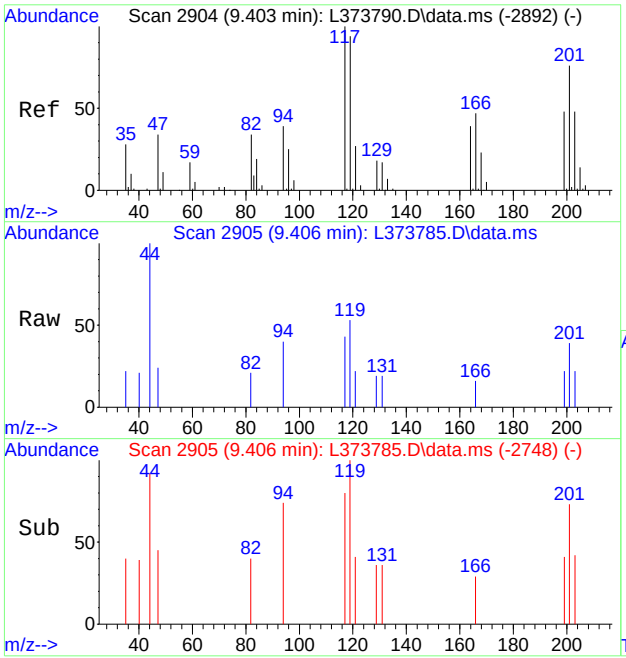


#120
1,2,3-trichlorobenzene
Concen: 0.81 ug/L
RT: 11.184 min Scan# 3459
Delta R.T. -0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion:180 Resp: 2101

Ion	Ratio	Lower	Upper
180	100		
182	86.5	63.9	123.9
184	19.3	1.2	61.2

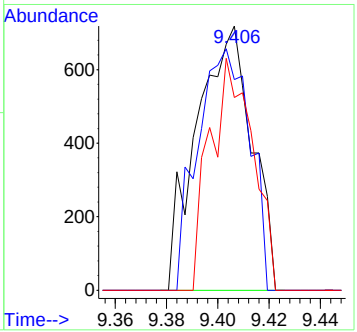


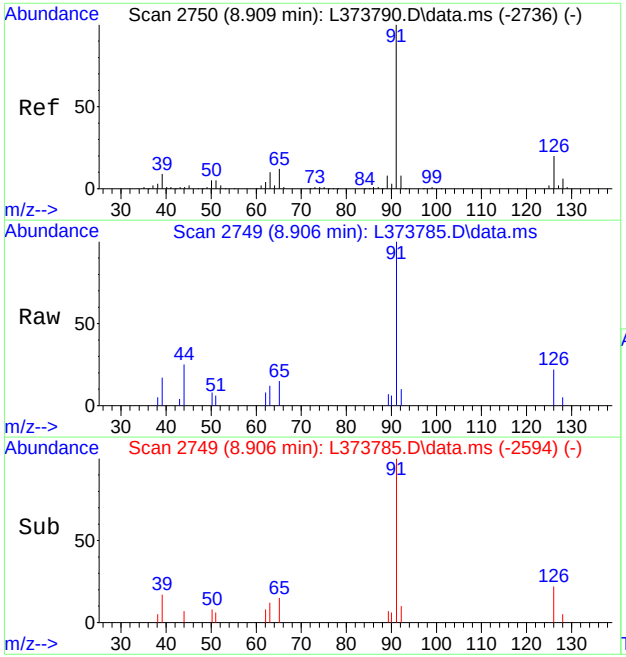


#121
hexachloroethane
Concen: 0.85 ug/L
RT: 9.406 min Scan# 2905
Delta R.T. 0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion:119 Resp: 1073

Ion	Ratio	Lower	Upper
119	100		
117	79.7	76.2	136.2
201	72.9	51.2	111.2

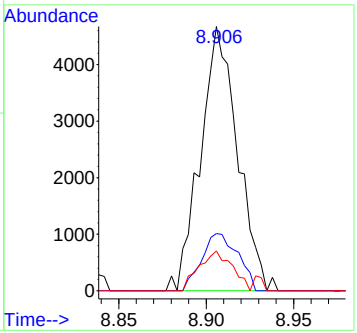


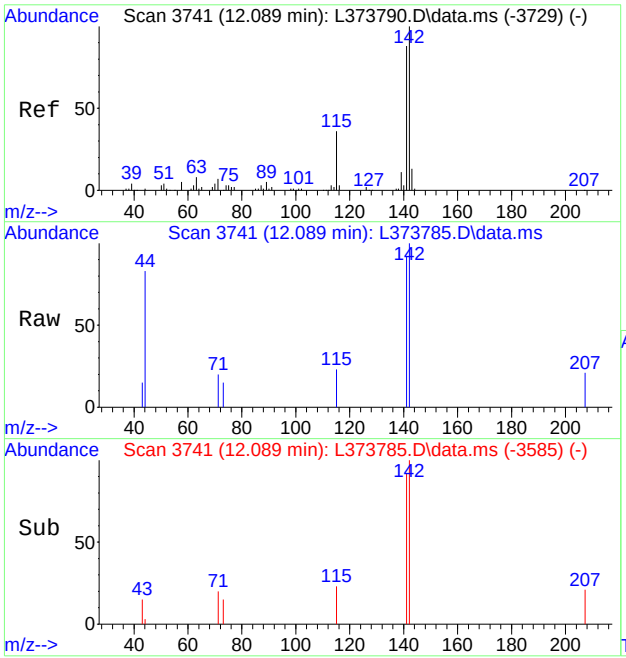


#122
benzyl chloride
Concen: 0.87 ug/L
RT: 8.906 min Scan# 2749
Delta R.T. -0.003 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion: 91 Resp: 6893

Ion	Ratio	Lower	Upper
91	100		
126	21.7	0.0	49.8
65	15.1	0.0	41.8

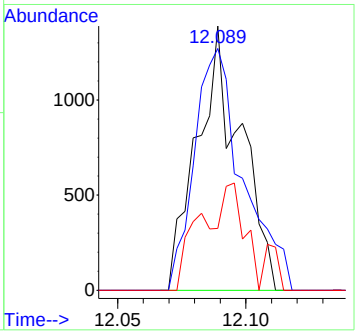




#123
2-methylnaphthalene
Concen: 0.43 ug/L
RT: 12.089 min Scan# 3741
Delta R.T. -0.000 min
Lab File: L373785.D
Acq: 16 Oct 2025 6:50 pm

Tgt Ion:142 Resp: 1640

Ion	Ratio	Lower	Upper
142	100		
141	91.5	68.0	108.0
115	23.4	15.9	55.9



Manual Integration Approval Summary

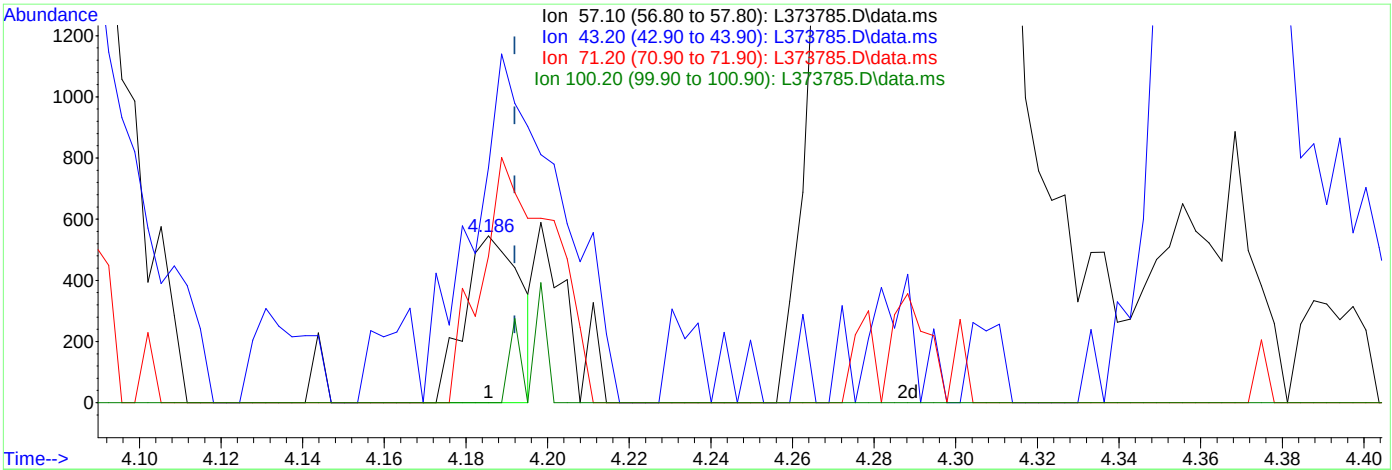
Sample Number:	VL11472-IC11472	**Method:**	SW846 8260D
Lab FileID:	L373785.D	**Analyst approved:**	10/19/25 11:25 MoHui Huang
Injection Time:	10/16/25 18:50	**Supervisor approved:**	10/20/25 12:58 Kanya Veerawat

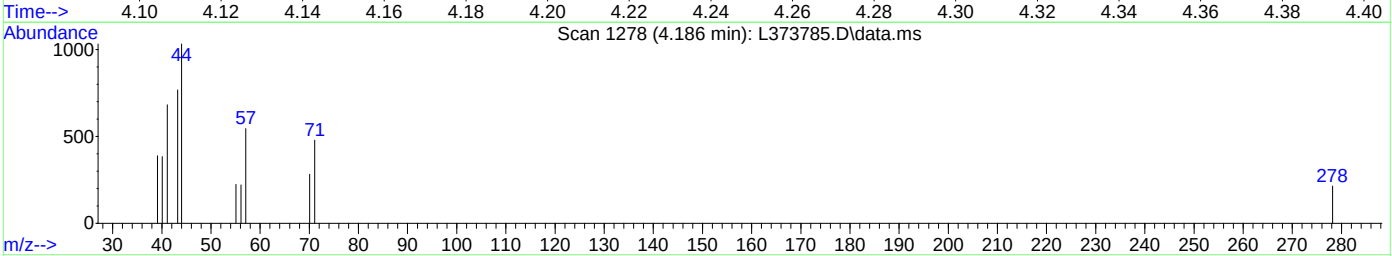
Parameter	CAS	Sig#	R.T. (min.)	Reason
Heptane	142-82-5		4.20	Split peak

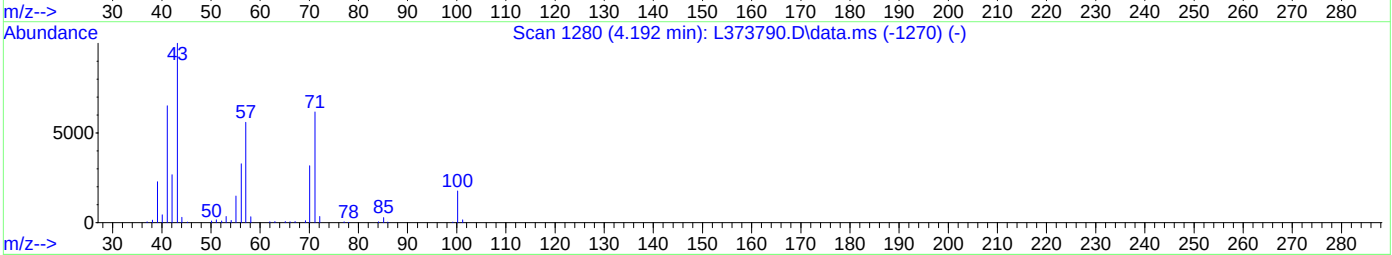
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373785.D
Acq On : 16 Oct 2025 6:50 pm
Operator : BridgetK
Sample : ic11472-1
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 17 09:53:17 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 09:53:09 2025
Response via : Initial Calibration







TIC: L373785.D\data.ms

(57) heptane

4.186min (-0.006) 0.42ug/L

response 527

Ion	Exp%	Act%
57.10	100	100
43.20	176.80	140.92#
71.20	108.50	87.71
100.20	31.10	0.00#

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373786.D
Acq On : 16 Oct 2025 7:15 pm
Operator : BridgetK
Sample : ic11472-2
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 17 10:01:33 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 09:58:37 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	2.613	65	266669	500.00	ug/L	0.00
5) pentafluorobenzene	3.755	168	234067	50.00	ug/L	0.00
51) 1,4-difluorobenzene	4.295	114	383766	50.00	ug/L	0.00
72) chlorobenzene-d5	6.615	117	308259	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	8.777	152	150731	50.00	ug/L	0.00
124) pentafluorobenzene(a)	3.755	168	234067	50.00	ug/L	0.00
131) 1,4-dichlorobenzene-d4(a)	8.777	152	150731	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	3.759	113	123413	50.45	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.90%			
52) 1,2-dichloroethane-d4 (s)	3.993	65	141554	50.55	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 101.10%			
73) toluene-d8 (s)	5.395	98	445088	50.38	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.76%			
97) 4-bromofluorobenzene (s)	7.677	95	159615	49.44	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.88%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.708	88	4304	60.3290	ug/L	98
3) ethanol	2.093	45	20727	299.7078	ug/L	87
4) tertiary butyl alcohol	2.658	59	10854	14.1163	ug/L	91
6) chlorodifluoromethane	1.368	51	8082	2.4277	ug/L	93
7) dichlorodifluoromethane	1.355	85	7831	2.3676	ug/L	96
8) chloromethane	1.487	50	7561	2.1326	ug/L	93
9) vinyl chloride	1.557	62	7439	2.2264	ug/L	98
10) 1,3-butadiene	1.583	54	7384	2.4548	ug/L	95
11) bromomethane	1.779	96	1748	1.9875	ug/L	85
12) chloroethane	1.846	64	3207	2.1215	ug/L	90
13) trichlorofluoromethane	2.007	101	9521	2.3953	ug/L	92
14) ethyl ether	2.167	74	3022	2.2604	ug/L #	86
15) acrolein	2.260	56	1243	1.9900	ug/L	79
16) freon 113	2.327	151	3655	2.3535	ug/L	92
17) 1,1-dichloroethene	2.327	96	4888	2.3896	ug/L	89
18) acetone	2.343	58	3728	8.6366	ug/L #	85
20) iodomethane	2.427	142	1773	0.9570	ug/L	88
22) carbon disulfide	2.478	76	15358	2.2936	ug/L	99
23) methylene chloride	2.629	84	5887	2.1894	ug/L	87
24) methyl acetate	2.526	74	1427	2.0018	ug/L #	66
25) methyl tert butyl ether	2.786	73	15211	2.2999	ug/L	97
26) trans-1,2-dichloroethene	2.796	96	5219	2.1779	ug/L	94
27) hexane	2.969	57	6324	2.2395	ug/L	93
28) di-isopropyl ether	3.072	45	15223	2.1195	ug/L	95
29) ethyl tert-butyl ether	3.306	59	15121	2.0555	ug/L	90
30) 2-butanone	3.422	72	4538	9.2844	ug/L	95
31) 1,1-dichloroethane	3.072	63	10159	2.2912	ug/L	96
32) chloroprene	3.123	53	7912	2.1536	ug/L	97
33) acrylonitrile	2.770	53	2712	1.9769	ug/L	77
34) vinyl acetate	3.062	86	1081	1.6092	ug/L	96
35) ethyl acetate	3.438	45	1460	1.9935	ug/L #	94
36) 2,2-dichloropropane	3.444	77	9501	2.3401	ug/L	94
37) cis-1,2-dichloroethene	3.438	96	5981	2.3105	ug/L	91
38) propionitrile	3.460	54	16707	23.0547	ug/L	71
39) methyl acrylate	3.470	85	919	1.4272	ug/L #	41
40) bromochloromethane	3.595	128	2772	2.5116	ug/L #	77
41) tetrahydrofuran	3.608	72	1421	2.0006	ug/L #	85
42) chloroform	3.653	83	12163	2.2800	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373786.D
Acq On : 16 Oct 2025 7:15 pm
Operator : BridgetK
Sample : ic11472-2
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 17 10:01:33 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 09:58:37 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) methacrylonitrile	3.560	67	2997	1.8076	ug/L	#	78
45) 1,1,1-trichloroethane	3.778	97	8513	2.1699	ug/L	#	1
46) cyclohexane	3.829	84	8310	2.6105	ug/L		85
47) 1,1-dichloropropene	3.881	75	6557	2.1260	ug/L		95
48) carbon tetrachloride	3.887	117	7006	2.2819	ug/L		95
49) isopropyl acetate	4.012	87	1398	1.7302	ug/L	#	92
50) tert amyl alcohol	3.986	55	4105	14.3005	ug/L	#	87
53) tert-amyl methyl ether	4.086	73	16608	2.3815	ug/L		98
54) 2,2,4-trimethylpentane	4.083	57	11786	2.2796	ug/L		93
55) n-butyl alcohol	4.362	56	29580	145.8968	ug/L		91
56) benzene	4.015	78	20613	2.0465	ug/L		96
57) heptane	4.195	57	2422	2.3535	ug/L		87
58) 1,2-dichloroethane	4.047	62	8578	2.3106	ug/L		93
59) trichloroethene	4.471	95	5293	2.2217	ug/L		84
60) ethyl acrylate	4.503	55	10640	2.4395	ug/L		94
62) 2-chloroethyl vinyl ether	5.049	63	9888	11.9904	ug/L		94
63) methyl methacrylate	4.676	100	1679	1.9249	ug/L	#	78
64) 1,2-dichloropropane	4.664	63	5496	2.2346	ug/L		94
65) methylcyclohexane	4.654	83	7535	2.4516	ug/L		98
66) dibromomethane	4.731	93	4088	2.4227	ug/L		88
67) bromodichloromethane	4.850	83	8361	2.4278	ug/L		94
68) cis-1,3-dichloropropene	5.180	75	8742	2.1701	ug/L		96
69) epichlorohydrin	5.097	57	6744	13.8543	ug/L		96
70) 4-methyl-2-pentanone	5.286	58	16513	10.6777	ug/L		95
71) 3-methyl-1-butanol	5.321	70	11108	59.6179	ug/L		98
74) toluene	5.453	92	13523	2.1225	ug/L		98
75) trans-1,3-dichloropropene	5.629	75	8914	2.4049	ug/L		97
76) ethyl methacrylate	5.658	69	9536	2.3899	ug/L		91
77) 1,1,2-trichloroethane	5.787	83	4941	2.5198	ug/L		90
78) 2-hexanone	5.960	58	18559	10.7200	ug/L		96
79) tetrachloroethene	5.873	166	5423	2.2206	ug/L		90
80) 1,3-dichloropropane	5.928	76	9204	2.4306	ug/L		97
81) butyl acetate	6.050	56	5872	2.4944	ug/L		94
82) dibromochloromethane	6.108	129	6092	2.3143	ug/L		91
83) 1,2-dibromoethane	6.223	107	5814	2.3890	ug/L		95
84) n-butyl ether	6.711	57	24500	2.3750	ug/L		99
85) chlorobenzene	6.640	112	14599	2.2266	ug/L		96
86) 1,1,1,2-tetrachloroethane	6.717	131	4650	2.2303	ug/L		91
87) ethylbenzene	6.720	91	25589	2.3101	ug/L		93
88) m,p-xylene	6.836	106	20254	4.7063	ug/L		97
89) o-xylene	7.183	106	10356	2.4687	ug/L		87
90) butyl acrylate	7.128	55	16092	2.5194	ug/L		96
91) styrene	7.199	104	16762	2.4145	ug/L		98
92) bromoform	7.365	173	4383	2.3406	ug/L		89
93) n-amyl acetate	7.330	70	6090	2.5683	ug/L	#	78
94) isopropylbenzene	7.516	105	23741	2.3588	ug/L		98
95) cis-1,4-dichloro-2-butene	7.571	88	1621	1.7433	ug/L		91
98) bromobenzene	7.818	156	6223	2.4485	ug/L		92
99) 1,1,2,2-tetrachloroethane	7.805	83	9934	2.5241	ug/L		91
100) trans-1,4-dichloro-2-b...	7.840	53	1542	1.8571	ug/L		88
101) 1,2,3-trichloropropane	7.856	110	3001	2.5587	ug/L		92
102) n-propylbenzene	7.905	91	27517	2.2330	ug/L		93
103) 2-chlorotoluene	7.988	126	5585	2.3313	ug/L		92
104) 4-chlorotoluene	8.103	126	6224	2.4026	ug/L	#	77
105) 1,3,5-trimethylbenzene	8.078	105	19378	2.2505	ug/L		95
106) tert-butylbenzene	8.373	119	15917	2.3204	ug/L		98
107) 1,2,4-trimethylbenzene	8.431	105	20076	2.3406	ug/L		97
108) sec-butylbenzene	8.585	105	22250	2.2599	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373786.D
Acq On : 16 Oct 2025 7:15 pm
Operator : BridgetK
Sample : ic11472-2
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 17 10:01:33 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 09:58:37 2025
Response via : Initial Calibration

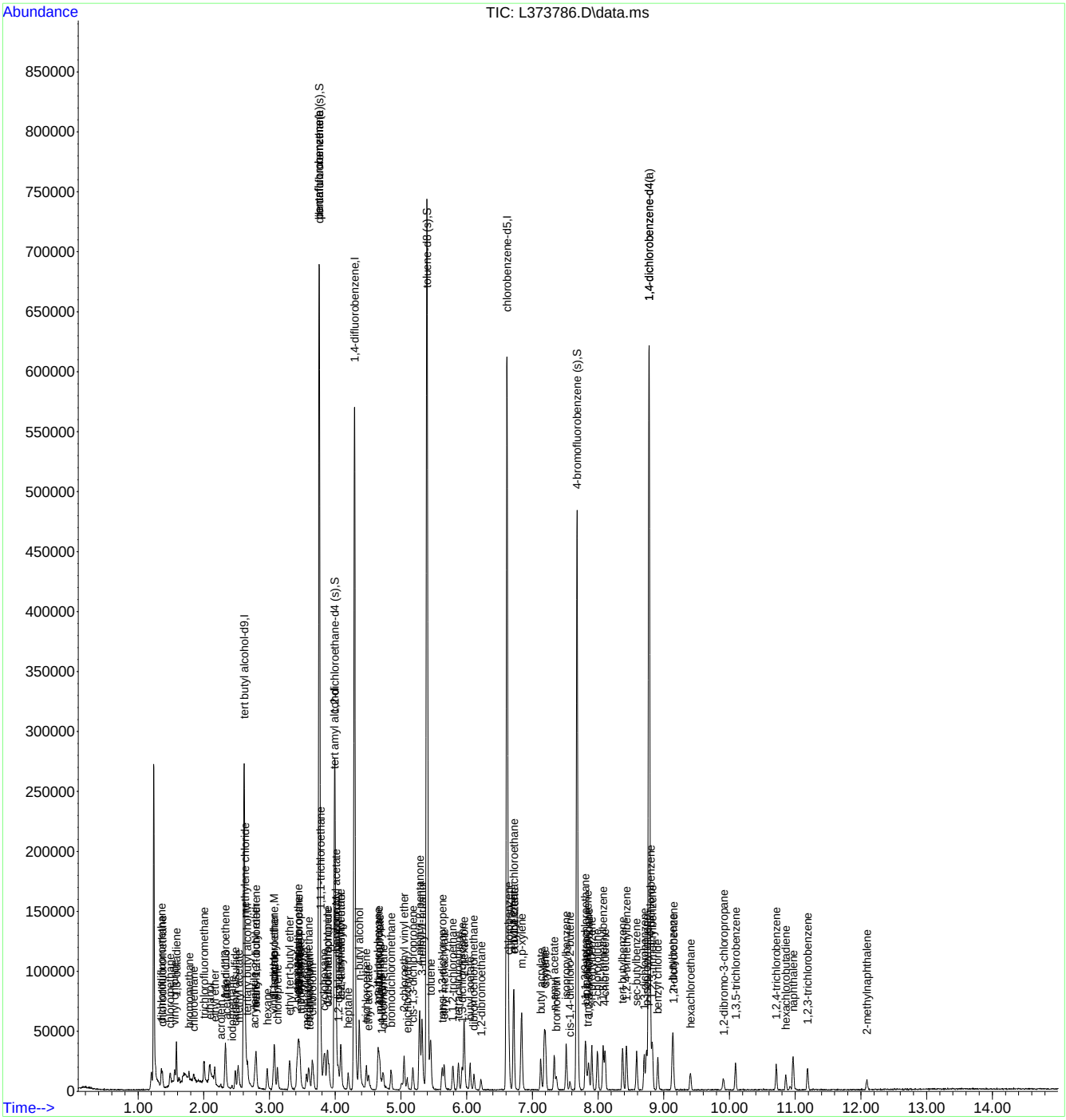
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
109) 1,3-dichlorobenzene	8.704	146	11205	2.3115	ug/L	88
110) p-isopropyltoluene	8.736	119	18437	2.2920	ug/L	96
111) 1,4-dichlorobenzene	8.800	146	11266	2.1907	ug/L	94
112) 1,2,3-trimethylbenzene	8.825	105	20767	2.1926	ug/L	96
113) 1,2-dichlorobenzene	9.146	146	11171	2.4578	ug/L	93
114) n-butylbenzene	9.134	92	9480	2.4046	ug/L	87
115) 1,2-dibromo-3-chloropr...	9.913	157	2665	2.5971	ug/L	92
116) 1,3,5-trichlorobenzene	10.093	180	6543	2.2651	ug/L	93
117) 1,2,4-trichlorobenzene	10.709	180	6166	2.4540	ug/L	98
118) hexachlorobutadiene	10.857	225	2479	2.7430	ug/L	90
119) naphthalene	10.969	128	22561	2.3473	ug/L	98
120) 1,2,3-trichlorobenzene	11.187	180	5939	2.4268	ug/L	83
121) hexachloroethane	9.406	119	2689	2.2305	ug/L	77
122) benzyl chloride	8.906	91	18543	2.4394	ug/L	96
123) 2-methylnaphthalene	12.092	142	4593	1.2601	ug/L #	82

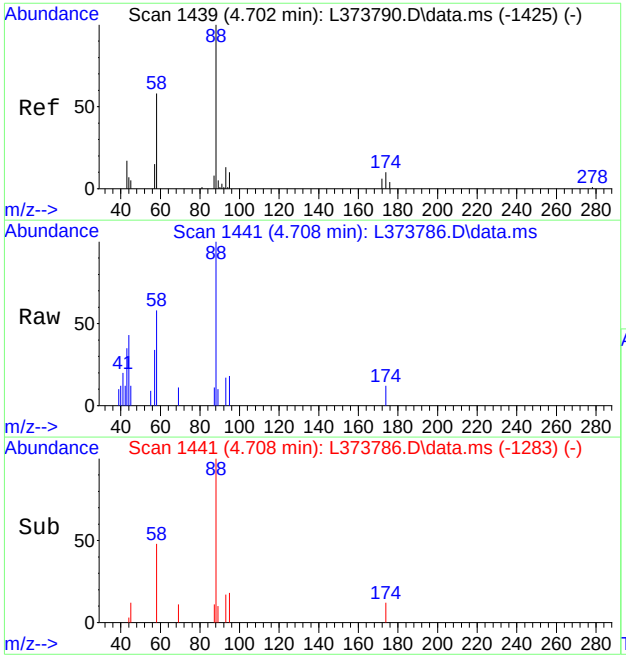
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373786.D
Acq On : 16 Oct 2025 7:15 pm
Operator : BridgetK
Sample : ic11472-2
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 17 10:01:33 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 09:58:37 2025
Response via : Initial Calibration

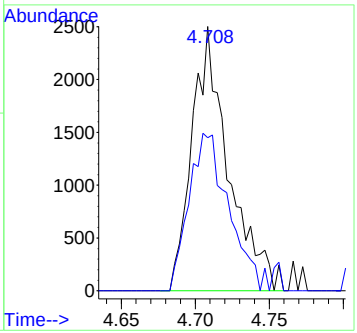


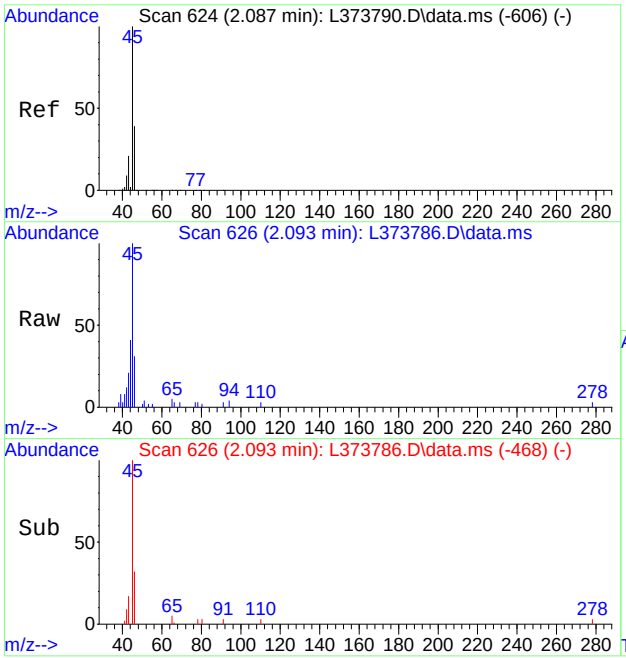


#2
1,4-dioxane
Concen: 60.33 ug/L
RT: 4.708 min Scan# 1441
Delta R.T. 0.006 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 88 Resp: 4304

Ion	Ratio	Lower	Upper
88	100		
58	57.9	29.1	89.1

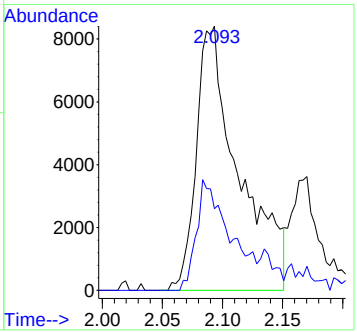


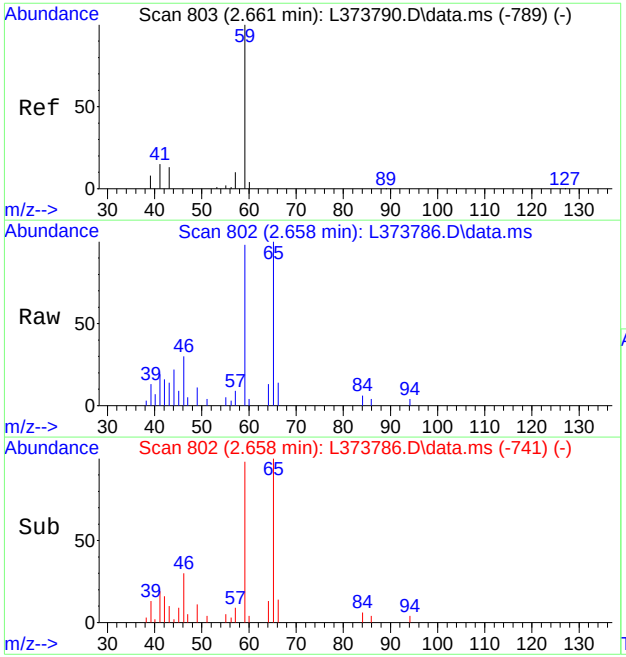


#3
ethanol
Concen: 299.71 ug/L
RT: 2.093 min Scan# 626
Delta R.T. 0.006 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 45 Resp: 20727

Ion	Ratio	Lower	Upper
45	100		
46	30.8	18.6	58.6

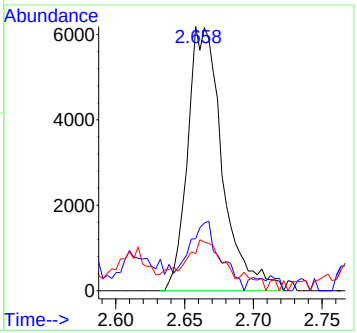


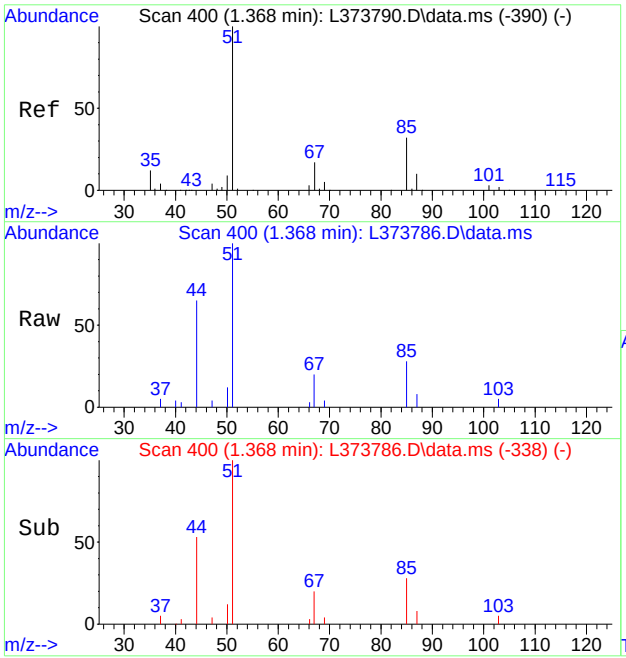


#4
tertiary butyl alcohol
Concen: 14.12 ug/L
RT: 2.658 min Scan# 802
Delta R.T. -0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 59 Resp: 10854

Ion	Ratio	Lower	Upper
59	100		
41	19.7	0.0	45.3
43	10.4	0.0	43.5

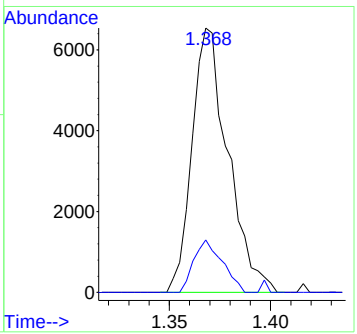


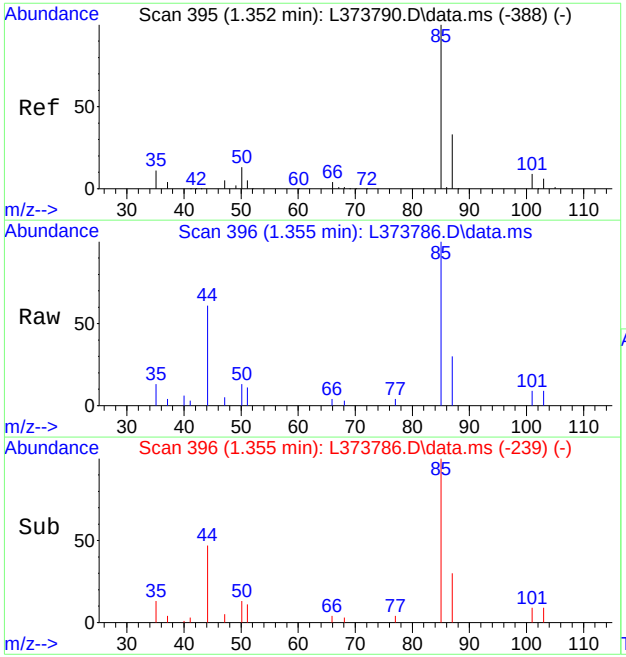


#6
chlorodifluoromethane
Concen: 2.43 ug/L
RT: 1.368 min Scan# 400
Delta R.T. -0.000 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 51 Resp: 8082

Ion	Ratio	Lower	Upper
51	100		
67	19.8	0.0	37.0

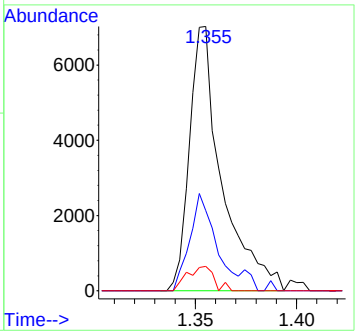


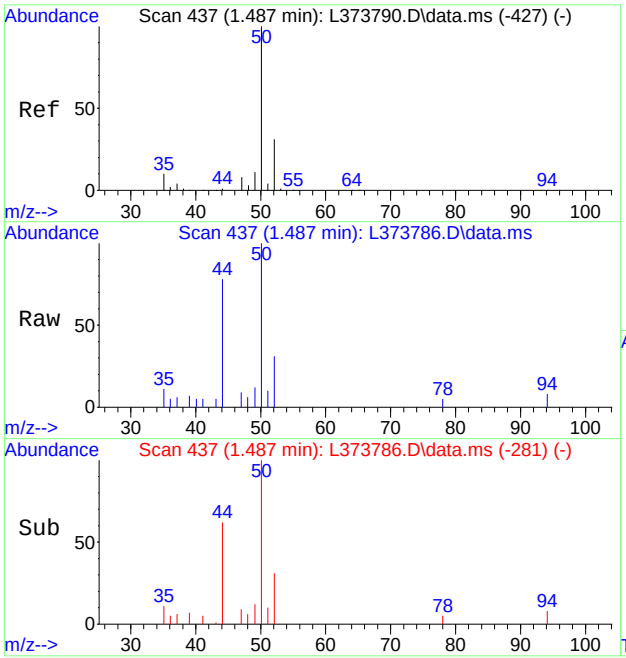


#7
dichlorodifluoromethane
Concen: 2.37 ug/L
RT: 1.355 min Scan# 396
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 85 Resp: 7831

Ion	Ratio	Lower	Upper
85	100		
87	30.4	2.8	62.8
101	9.2	0.0	38.9

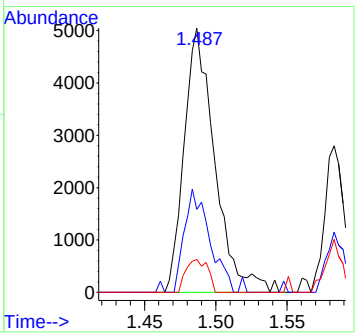


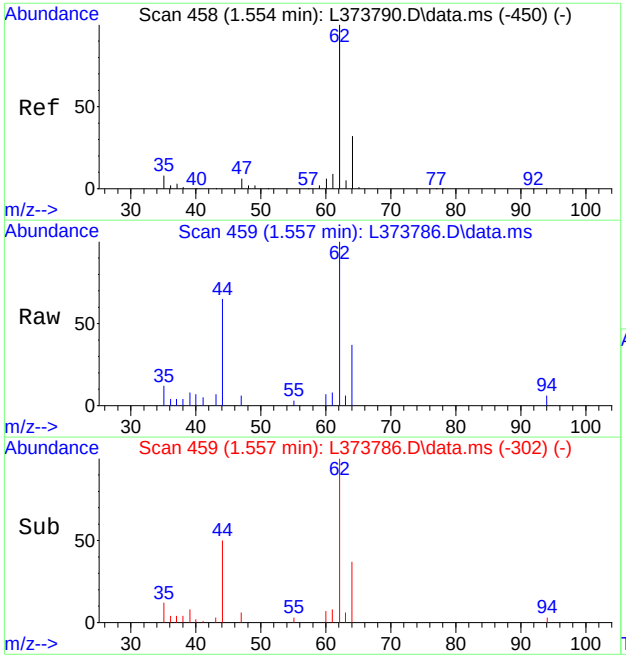


#8
chloromethane
Concen: 2.13 ug/L
RT: 1.487 min Scan# 437
Delta R.T. -0.000 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 50 Resp: 7561

Ion	Ratio	Lower	Upper
50	100		
52	27.2	1.5	61.5
49	12.4	0.0	41.1

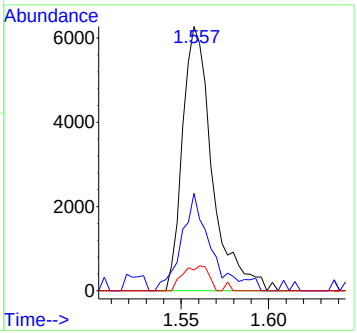


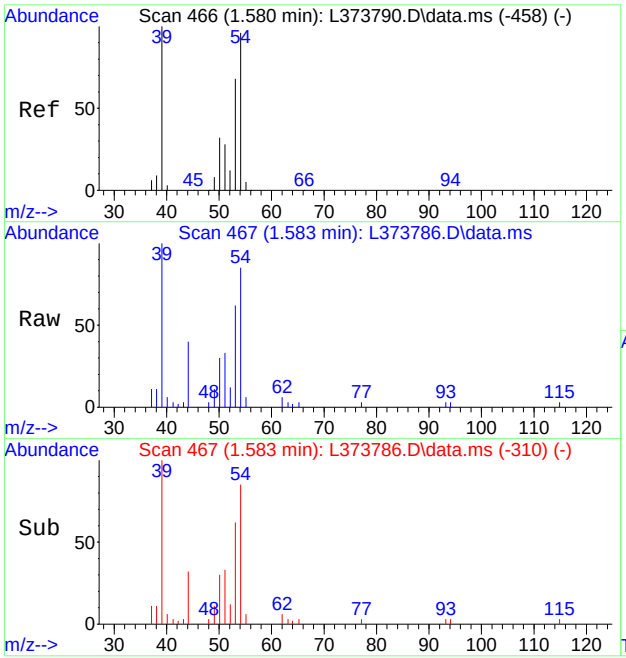


#9
vinyl chloride
Concen: 2.23 ug/L
RT: 1.557 min Scan# 459
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 62 Resp: 7439

Ion	Ratio	Lower	Upper
62	100		
64	33.6	2.2	62.2
61	7.8	0.0	38.5

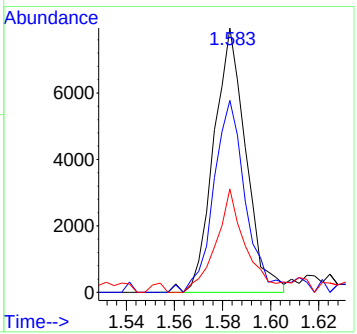


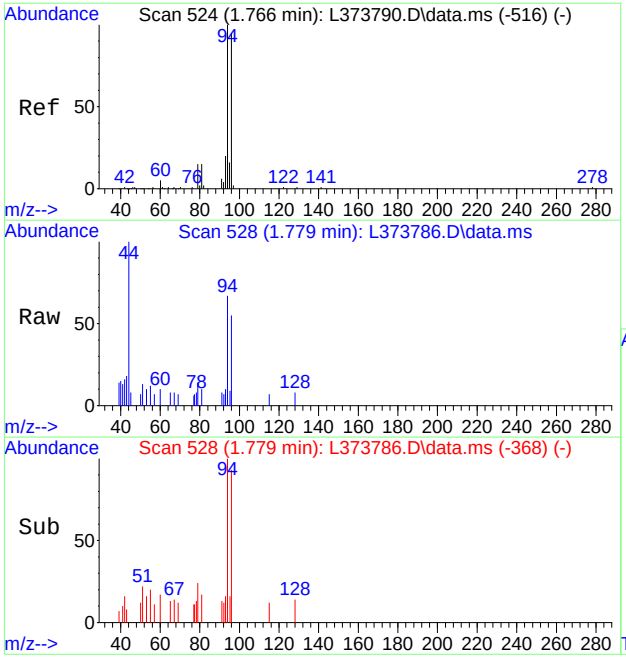


#10
1,3-butadiene
Concen: 2.45 ug/L
RT: 1.583 min Scan# 467
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 54 Resp: 7384

Ion	Ratio	Lower	Upper
54	100		
53	72.6	40.7	100.7
51	35.6	0.0	59.5

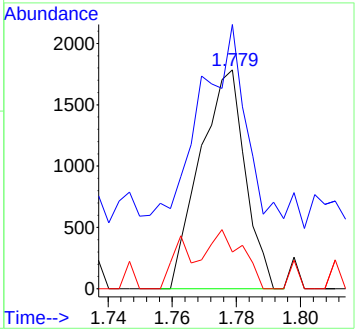


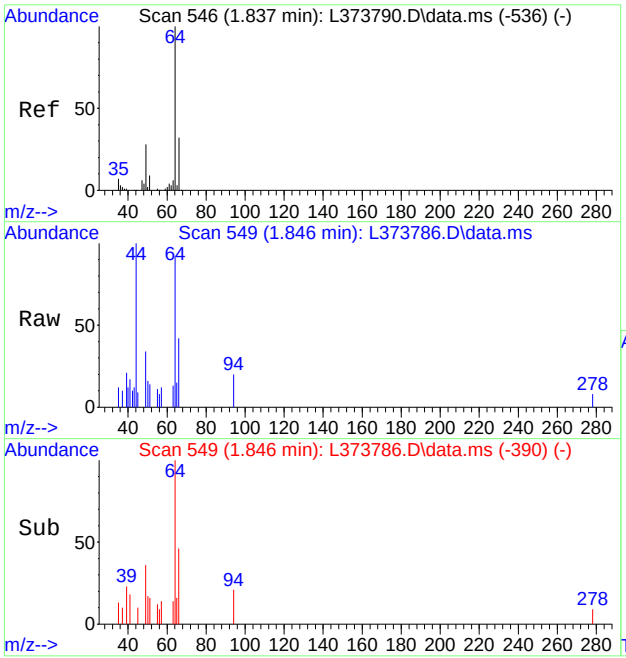


#11
bromomethane
Concen: 1.99 ug/L
RT: 1.779 min Scan# 528
Delta R.T. 0.013 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 96 Resp: 1748

Ion	Ratio	Lower	Upper
96	100		
94	88.7	76.7	136.7
95	16.8	0.0	46.3

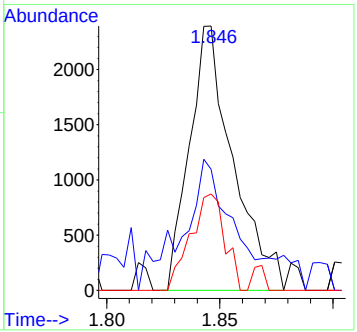


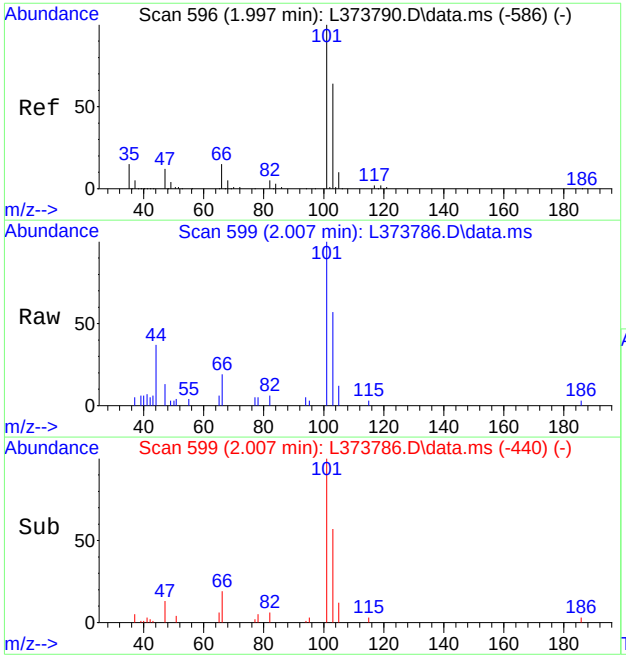


#12
chloroethane
Concen: 2.12 ug/L
RT: 1.846 min Scan# 549
Delta R.T. 0.009 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 64 Resp: 3207

Ion	Ratio	Lower	Upper
64	100		
66	34.2	1.8	61.8
49	36.5	0.0	57.7

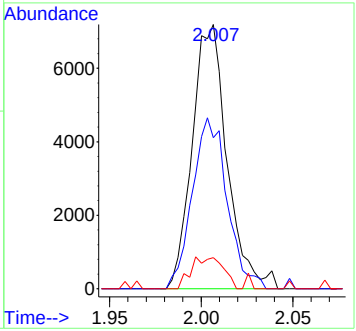


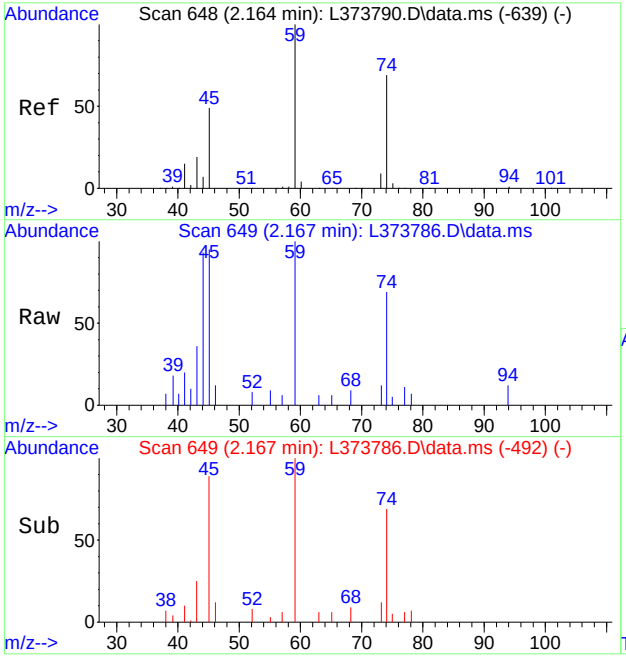


#13
trichlorofluoromethane
Concen: 2.40 ug/L
RT: 2.007 min Scan# 599
Delta R.T. 0.009 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion:101 Resp: 9521

Ion	Ratio	Lower	Upper
101	100		
103	57.1	33.8	93.8
105	11.8	0.0	40.0

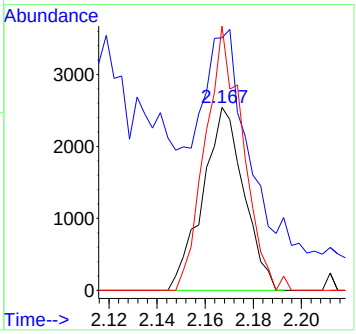


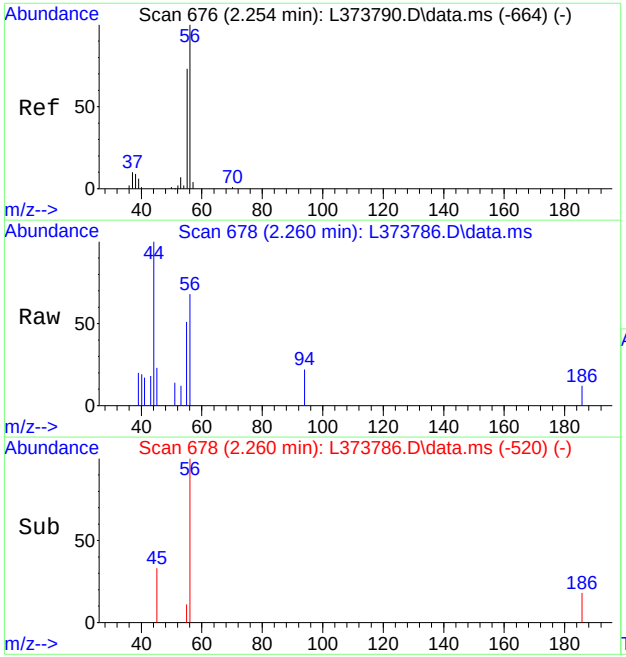


#14
ethyl ether
Concen: 2.26 ug/L
RT: 2.167 min Scan# 649
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 74 Resp: 3022

Ion	Ratio	Lower	Upper
74	100		
45	98.1	102.0	162.0#
59	144.5	114.2	174.2

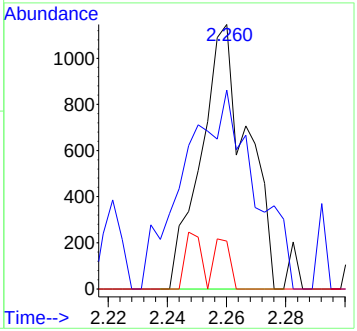


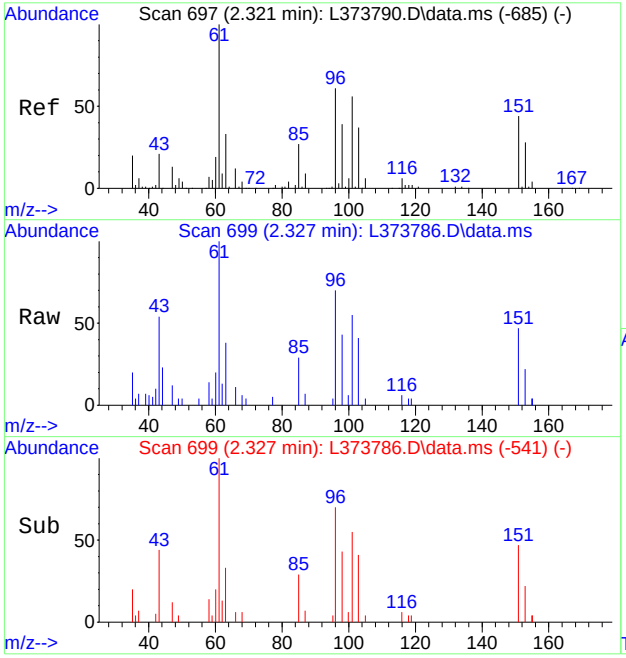


#15
acrolein
Concen: 1.99 ug/L
RT: 2.260 min Scan# 678
Delta R.T. 0.006 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 56 Resp: 1243

Ion	Ratio	Lower	Upper
56	100		
55	56.4	42.9	102.9
53	18.0	0.0	38.0

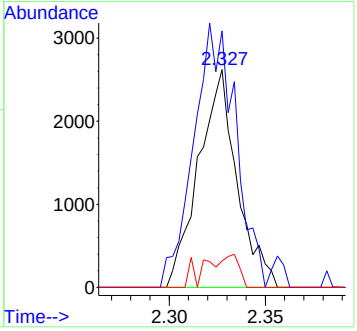


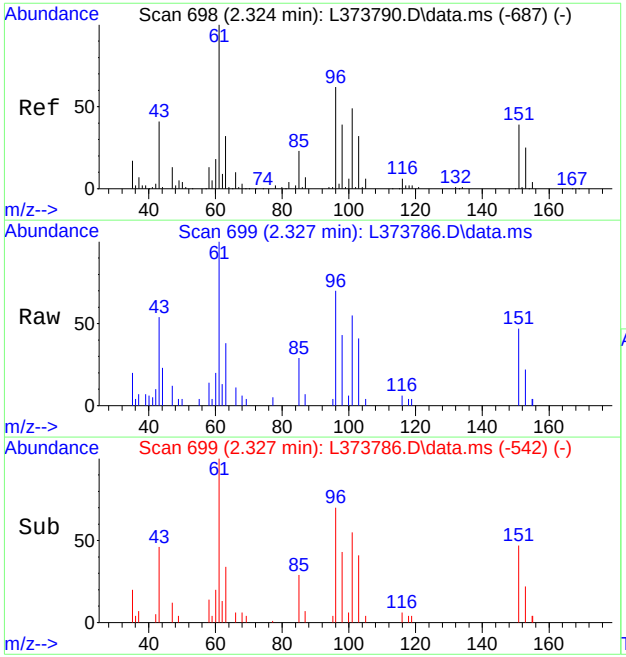


#16
freon 113
Concen: 2.35 ug/L
RT: 2.327 min Scan# 699
Delta R.T. 0.006 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion:151 Resp: 3655

Ion	Ratio	Lower	Upper
151	100		
101	117.7	107.4	147.4
116	12.1	0.0	33.9

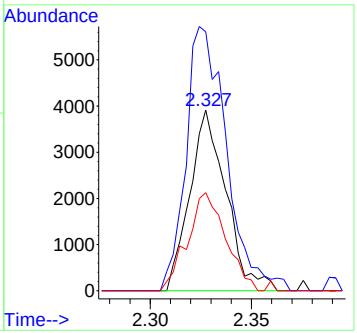


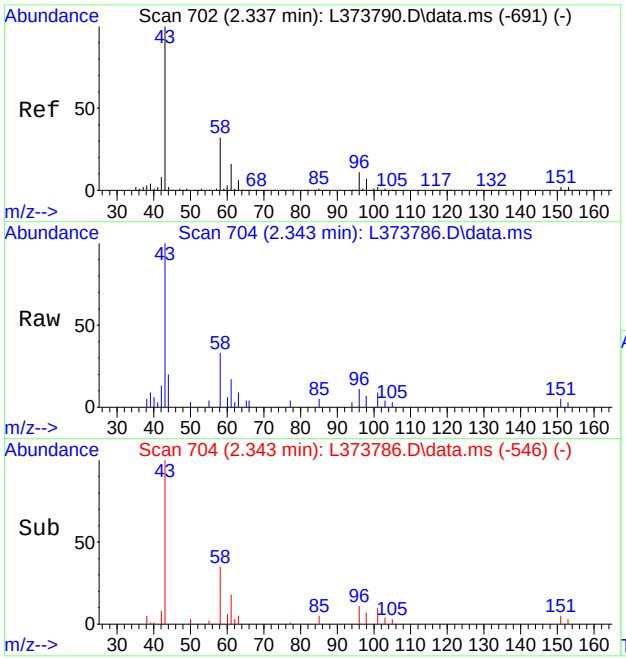


#17
1,1-dichloroethene
Concen: 2.39 ug/L
RT: 2.327 min Scan# 699
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 96 Resp: 4888

Ion	Ratio	Lower	Upper
96	100		
61	143.2	131.4	191.4
63	54.3	22.3	82.3

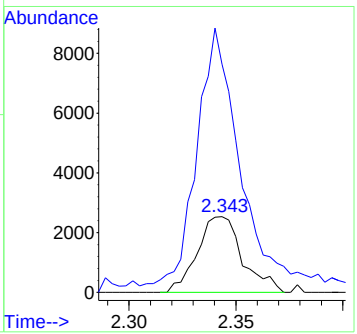


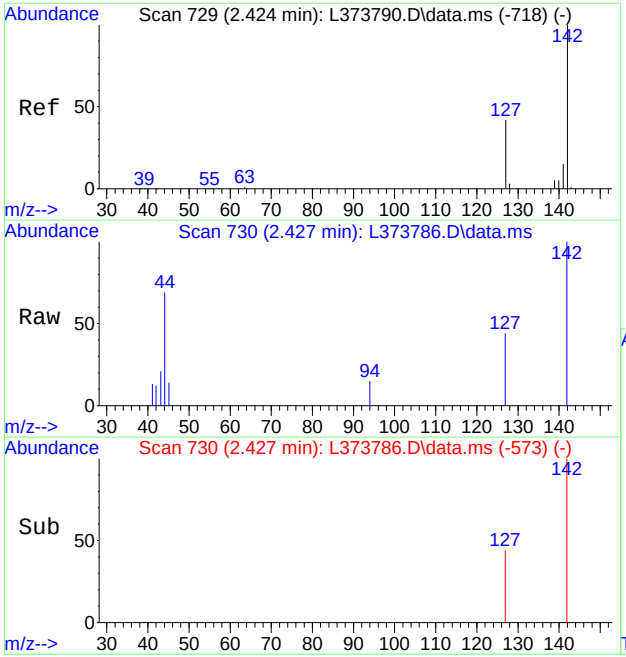


#18
acetone
Concen: 8.64 ug/L
RT: 2.343 min Scan# 704
Delta R.T. 0.006 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 58 Resp: 3728

Ion	Ratio	Lower	Upper
58	100		
43	285.2	286.5	346.5#

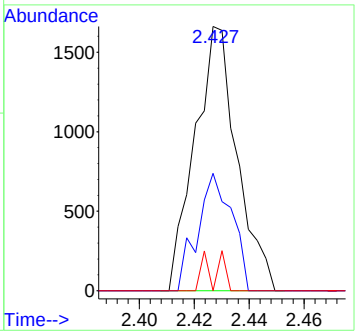


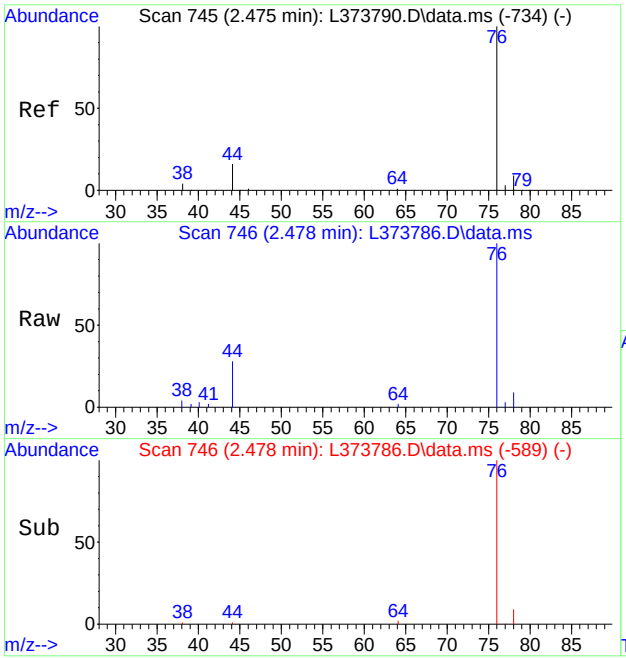


#20
iodomethane
Concen: 0.96 ug/L
RT: 2.427 min Scan# 730
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion:142 Resp: 1773

Ion	Ratio	Lower	Upper
142	100		
127	44.4	12.2	72.2
141	0.0	0.0	44.6

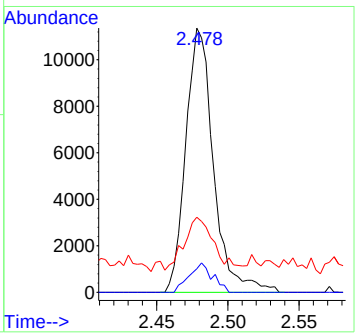


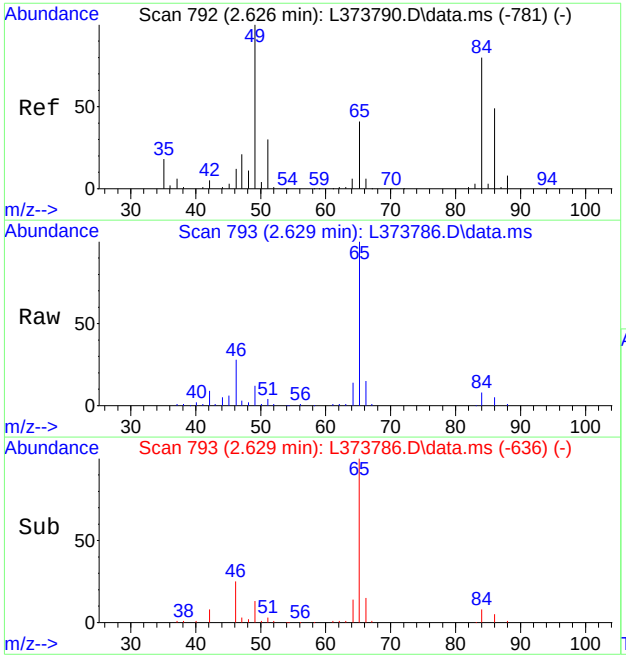


#22
carbon disulfide
Concen: 2.29 ug/L
RT: 2.478 min Scan# 746
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 76 Resp: 15358

Ion	Ratio	Lower	Upper
76	100		
78	8.9	0.0	38.9
44	16.6	0.0	46.1

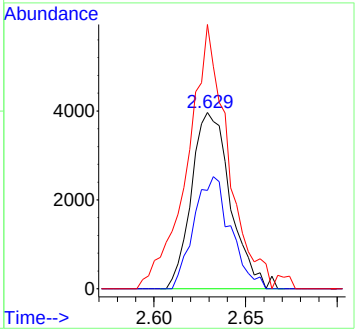


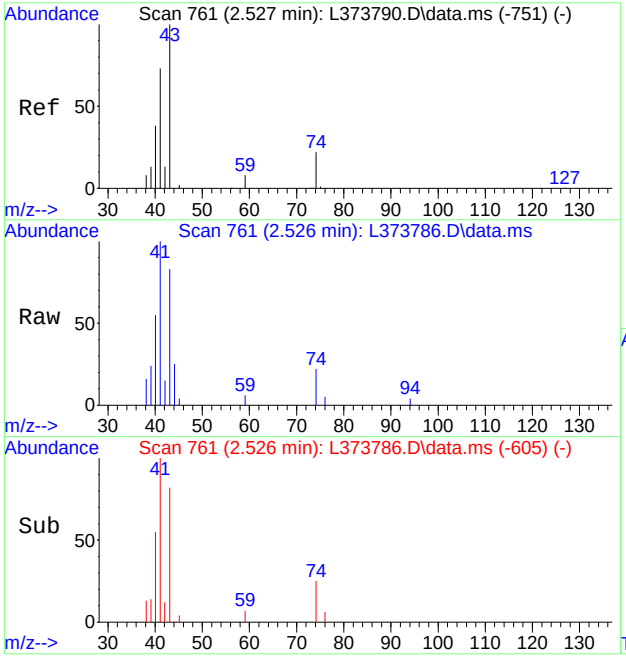


#23
methylene chloride
Concen: 2.19 ug/L
RT: 2.629 min Scan# 793
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 84 Resp: 5887

Ion	Ratio	Lower	Upper
84	100		
86	55.8	31.2	91.2
49	143.3	95.6	155.6

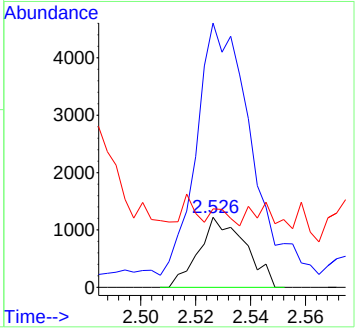


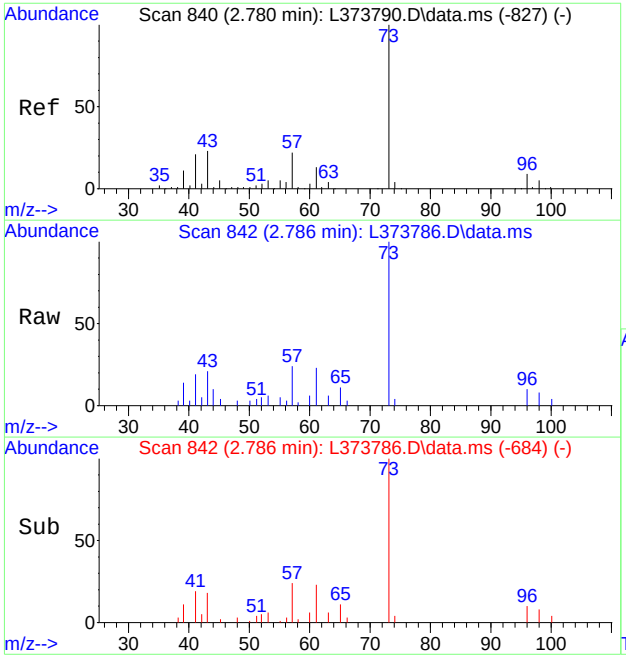


#24
methyl acetate
Concen: 2.00 ug/L
RT: 2.526 min Scan# 761
Delta R.T. -0.000 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 74 Resp: 1427

Ion	Ratio	Lower	Upper
74	100		
43	360.3	417.7	477.7#
44	16.6	0.0	39.0

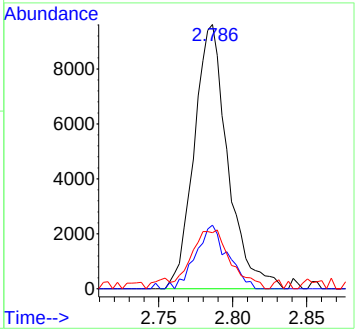


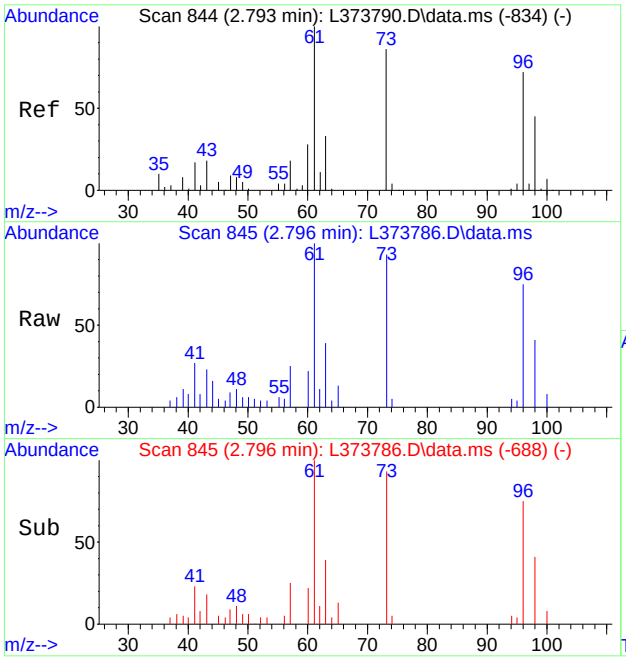


#25
methyl tert butyl ether
Concen: 2.30 ug/L
RT: 2.786 min Scan# 842
Delta R.T. 0.006 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 73 Resp: 15211

Ion	Ratio	Lower	Upper
73	100		
57	24.0	0.0	52.4
43	21.3	0.0	52.7

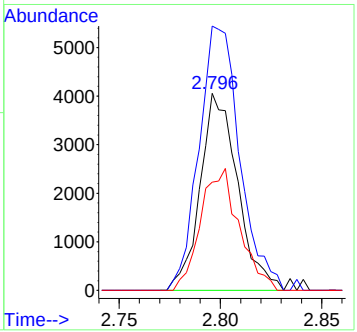


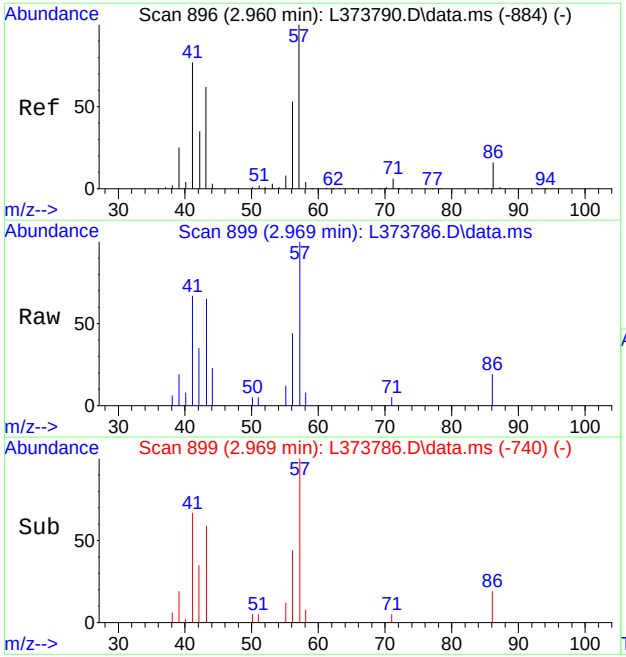


#26
trans-1,2-dichloroethene
Concen: 2.18 ug/L
RT: 2.796 min Scan# 845
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 96 Resp: 5219

Ion	Ratio	Lower	Upper
96	100		
61	134.2	109.1	169.1
98	54.9	32.0	92.0

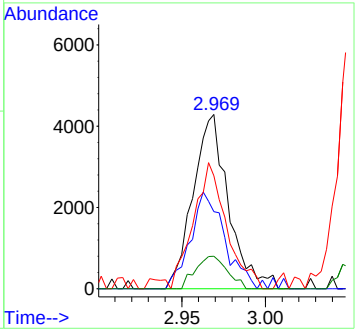


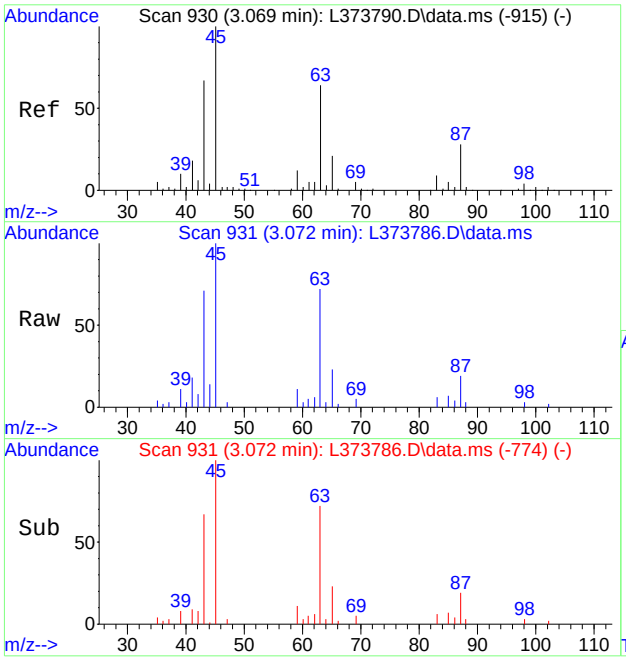


#27
hexane
Concen: 2.24 ug/L
RT: 2.969 min Scan# 899
Delta R.T. 0.009 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 57 Resp: 6324

Ion	Ratio	Lower	Upper
57	100		
56	44.3	32.9	72.9
43	60.0	41.9	81.9
86	18.6	0.0	36.3

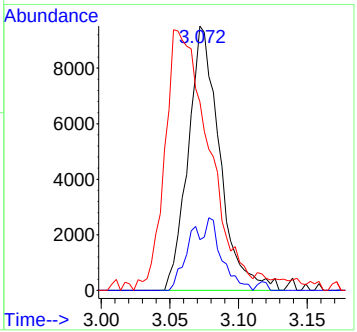


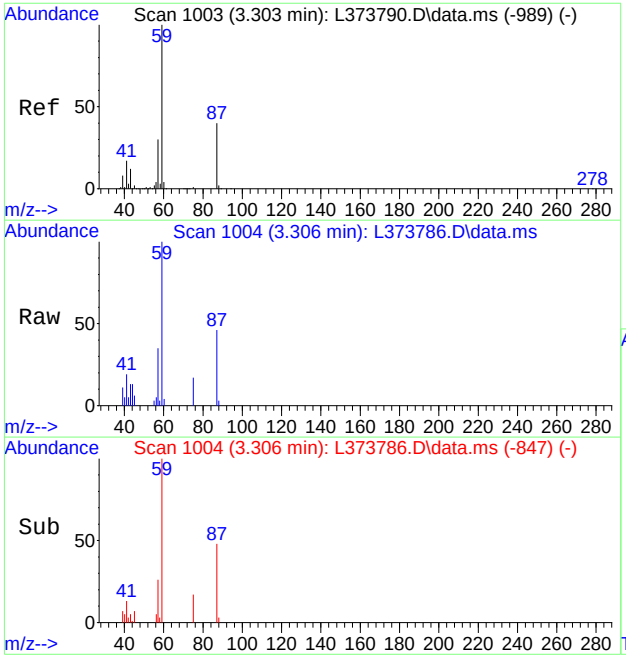


#28
di-isopropyl ether
Concen: 2.12 ug/L
RT: 3.072 min Scan# 931
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 45 Resp: 15223

Ion	Ratio	Lower	Upper
45	100		
87	19.2	0.0	57.5
43	67.1	37.5	97.5

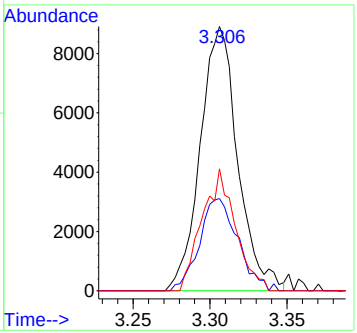


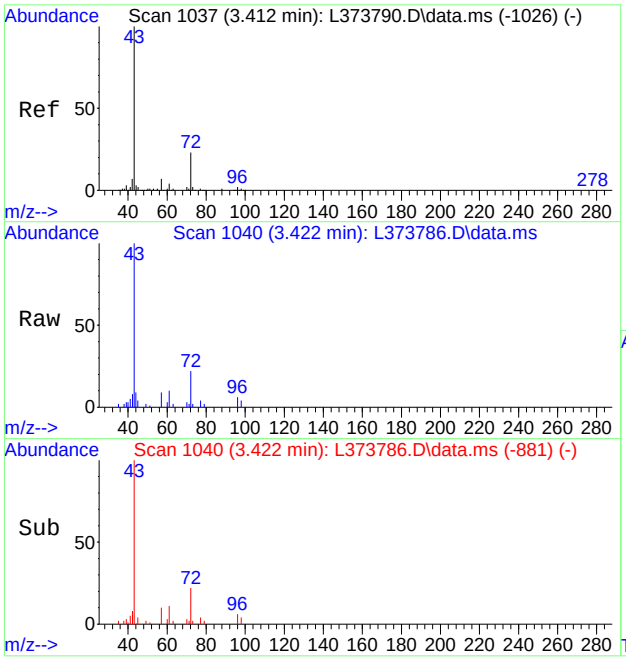


#29
ethyl tert-butyl ether
Concen: 2.06 ug/L
RT: 3.306 min Scan# 1004
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 59 Resp: 15121

Ion	Ratio	Lower	Upper
59	100		
57	34.9	0.3	60.3
87	46.1	9.6	69.6

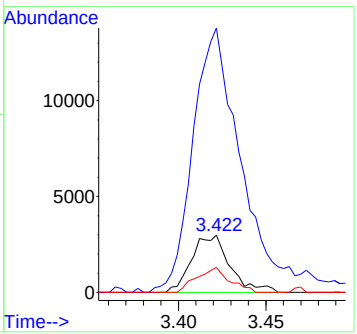


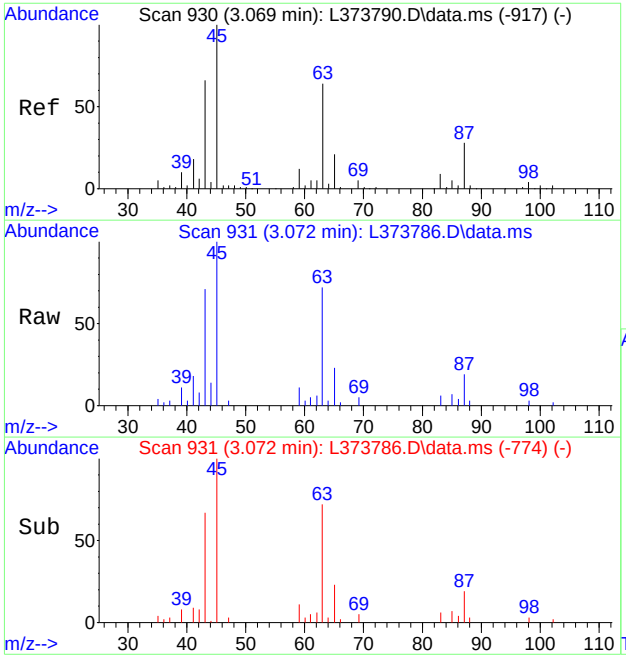


#30
2-butanone
Concen: 9.28 ug/L
RT: 3.422 min Scan# 1040
Delta R.T. 0.009 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 72 Resp: 4538

Ion	Ratio	Lower	Upper
72	100		
43	452.4	411.9	471.9
57	43.6	2.4	62.4

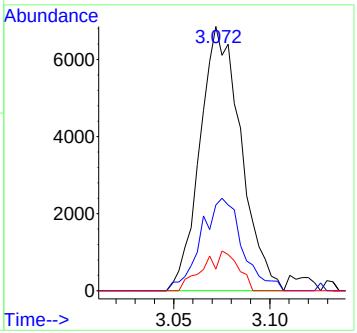


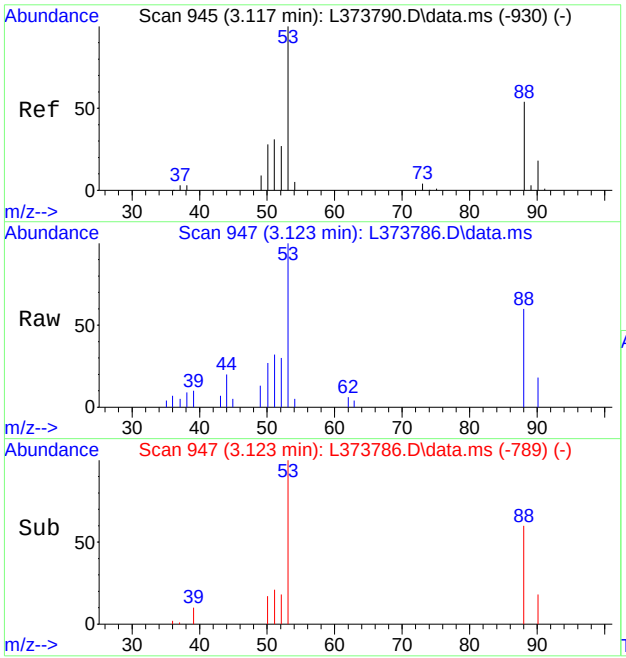


#31
1,1-dichloroethane
Concen: 2.29 ug/L
RT: 3.072 min Scan# 931
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 63 Resp: 10159

Ion	Ratio	Lower	Upper
63	100		
65	32.4	2.5	62.5
83	8.2	0.0	43.5

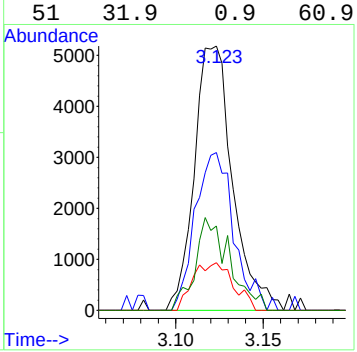


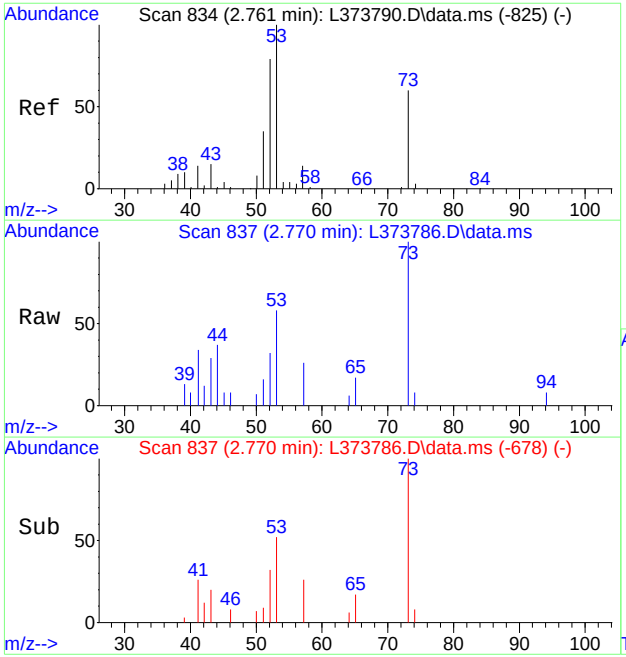


#32
chloroprene
Concen: 2.15 ug/L
RT: 3.123 min Scan# 947
Delta R.T. 0.006 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 53 Resp: 7912

Ion	Ratio	Lower	Upper
53	100		
88	59.7	26.2	86.2
90	18.1	0.0	47.9
51	31.9	0.9	60.9

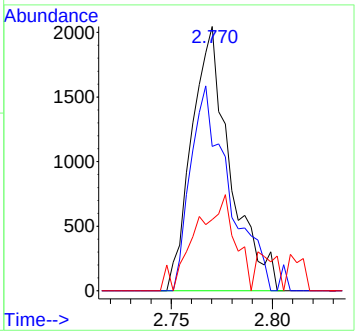


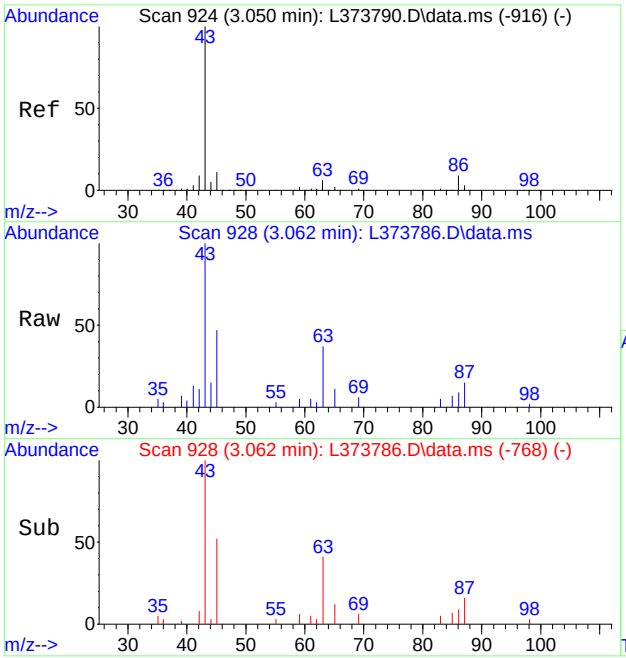


#33
acrylonitrile
Concen: 1.98 ug/L
RT: 2.770 min Scan# 837
Delta R.T. 0.010 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 53 Resp: 2712

Ion	Ratio	Lower	Upper
53	100		
52	54.6	48.8	108.8
51	27.0	4.6	64.6

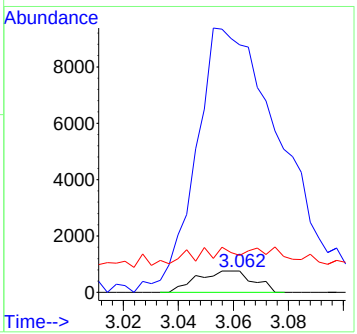


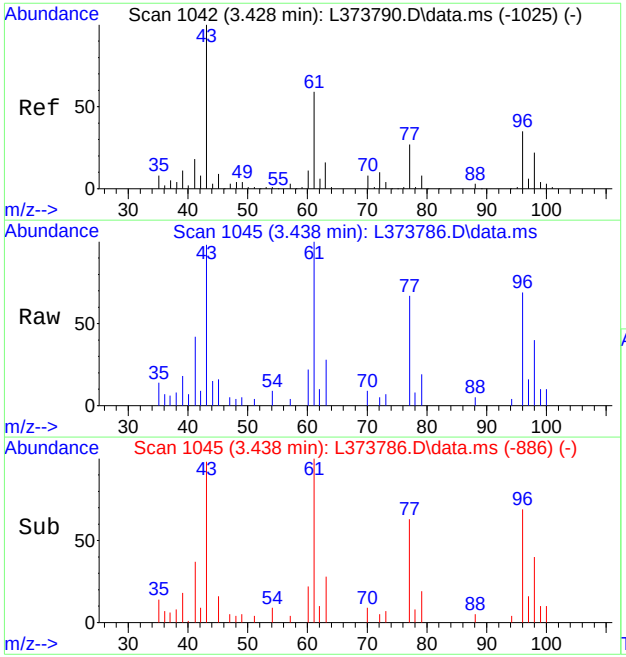


#34
vinyl acetate
Concen: 1.61 ug/L
RT: 3.062 min Scan# 928
Delta R.T. 0.013 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 86 Resp: 1081

Ion	Ratio	Lower	Upper
86	100		
43	1096.5	1076.3	1136.3
44	23.9	23.6	83.6

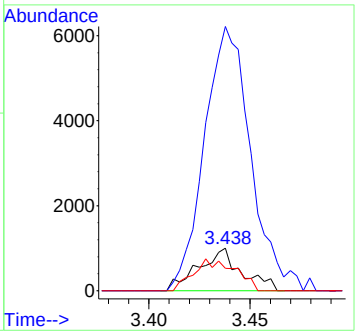


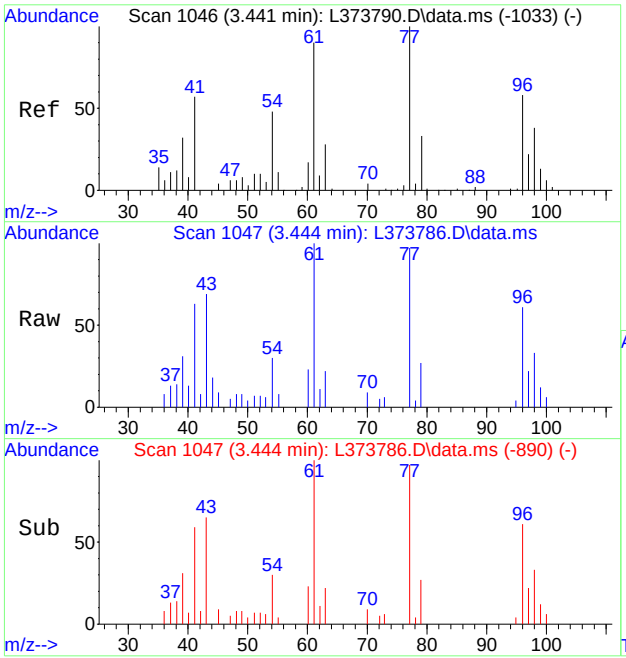


#35
ethyl acetate
Concen: 1.99 ug/L
RT: 3.438 min Scan# 1045
Delta R.T. 0.009 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 45 Resp: 1460

Ion	Ratio	Lower	Upper
45	100		
61	621.5	598.6	658.6
70	52.8	53.6	113.6#

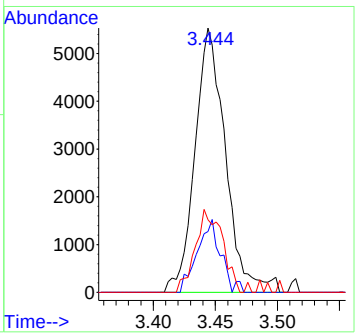


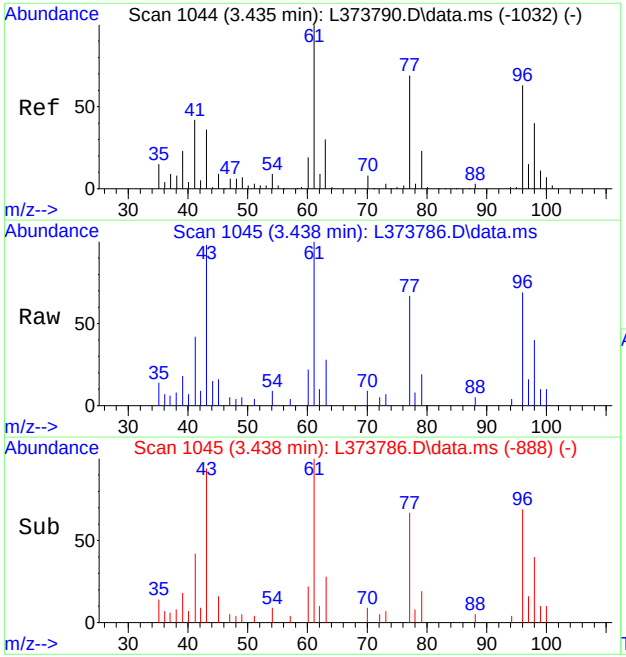


#36
2,2-dichloropropane
Concen: 2.34 ug/L
RT: 3.444 min Scan# 1047
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 77 Resp: 9501

Ion	Ratio	Lower	Upper
77	100		
97	23.0	0.0	52.3
79	27.5	3.0	63.0

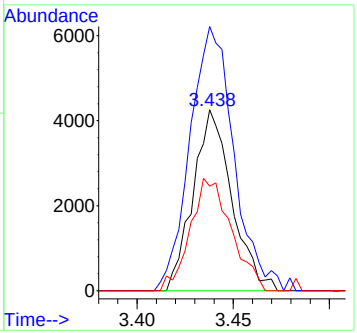


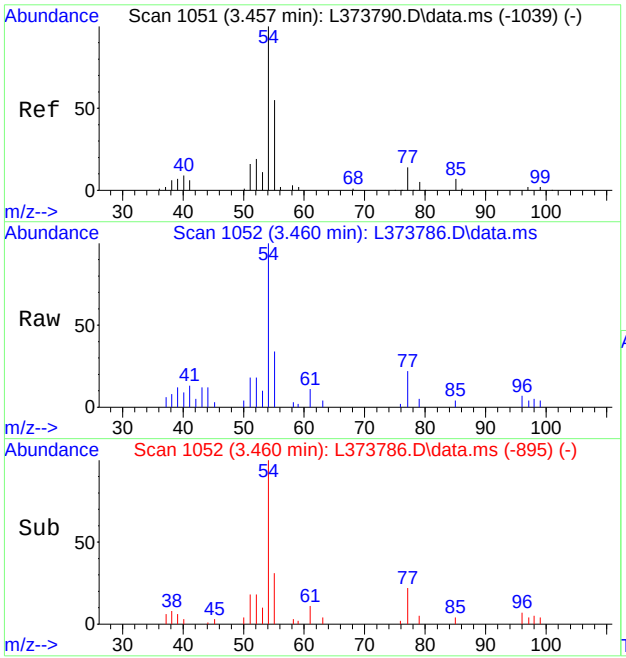


#37
cis-1,2-dichloroethene
Concen: 2.31 ug/L
RT: 3.438 min Scan# 1045
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 96 Resp: 5981

Ion	Ratio	Lower	Upper
96	100		
61	146.0	128.7	188.7
98	57.8	34.1	94.1

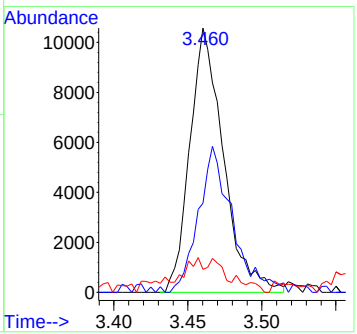


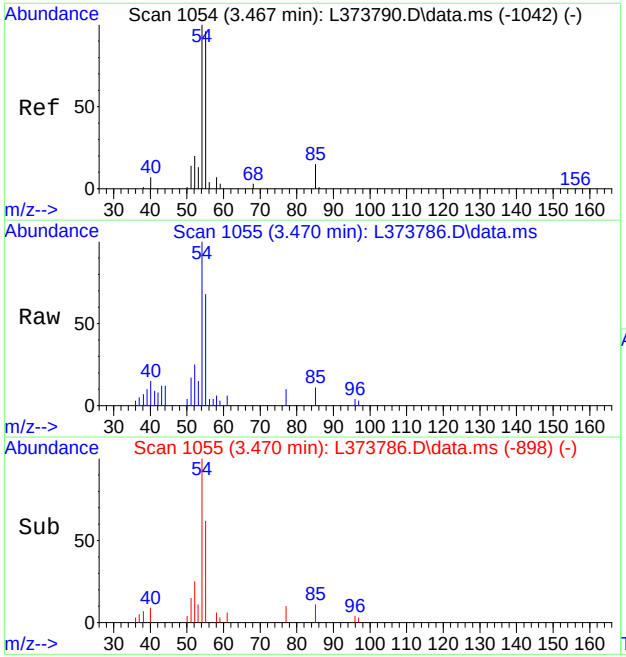


#38
propionitrile
Concen: 23.05 ug/L
RT: 3.460 min Scan# 1052
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 54 Resp: 16707

Ion	Ratio	Lower	Upper
54	100		
55	31.6	25.4	85.4
40	5.8	0.0	39.0

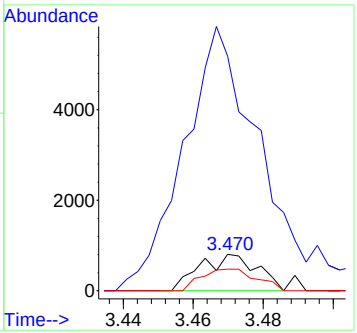


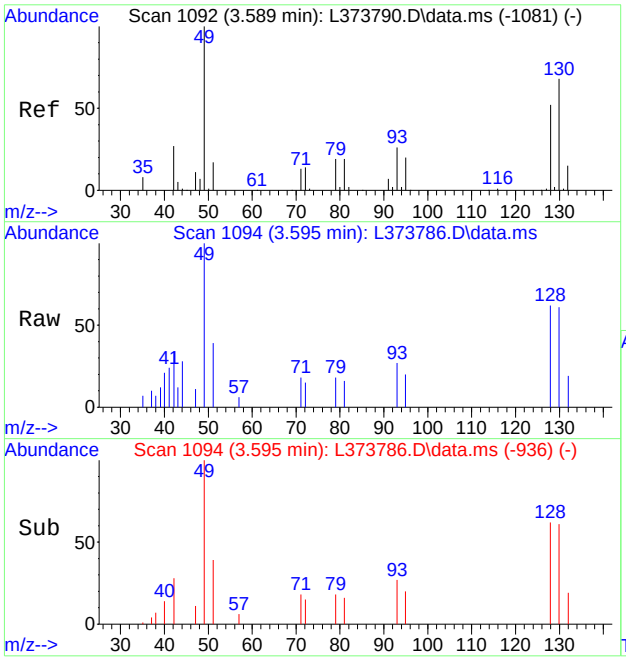


#39
methyl acrylate
Concen: 1.43 ug/L
RT: 3.470 min Scan# 1055
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 85 Resp: 919

Ion	Ratio	Lower	Upper
85	100		
55	450.9	639.4	679.4#
58	59.2	29.8	69.8

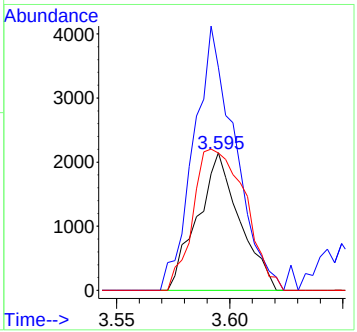


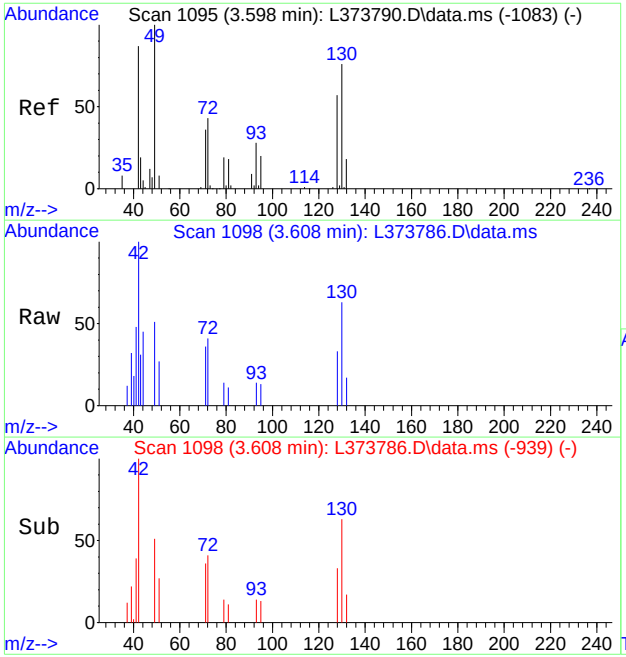


#40
bromochloromethane
Concen: 2.51 ug/L
RT: 3.595 min Scan# 1094
Delta R.T. 0.006 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion:128 Resp: 2772

Ion	Ratio	Lower	Upper
128	100		
49	162.1	163.3	223.3#
130	99.7	100.3	160.3#

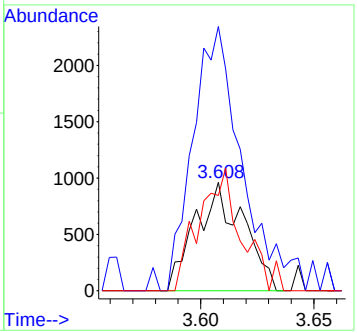


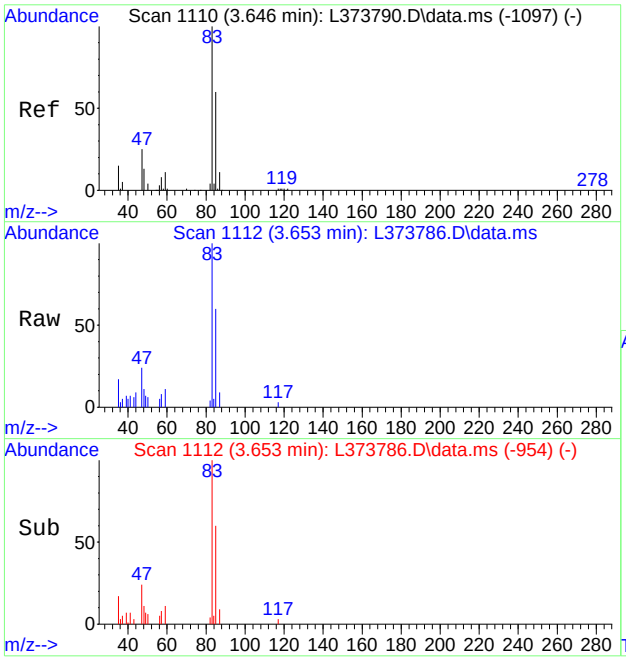


#41
tetrahydrofuran
Concen: 2.00 ug/L
RT: 3.608 min Scan# 1098
Delta R.T. 0.009 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 72 Resp: 1421

Ion	Ratio	Lower	Upper
72	100		
42	243.4	183.3	243.3#
71	87.9	53.5	113.5

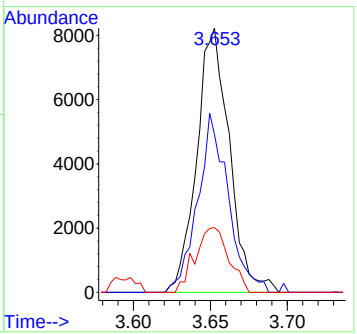


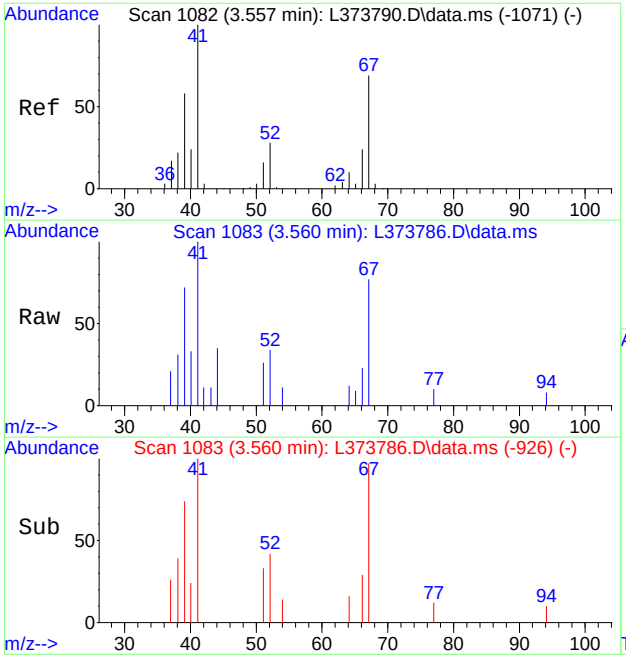


#42
chloroform
Concen: 2.28 ug/L
RT: 3.653 min Scan# 1112
Delta R.T. 0.006 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 83 Resp: 12163

Ion	Ratio	Lower	Upper
83	100		
85	59.8	29.7	89.7
47	24.5	0.0	54.6

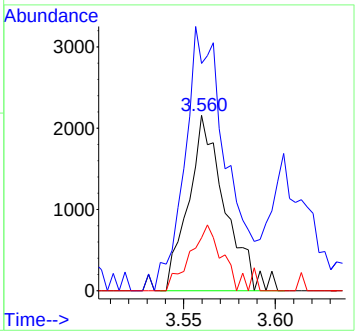


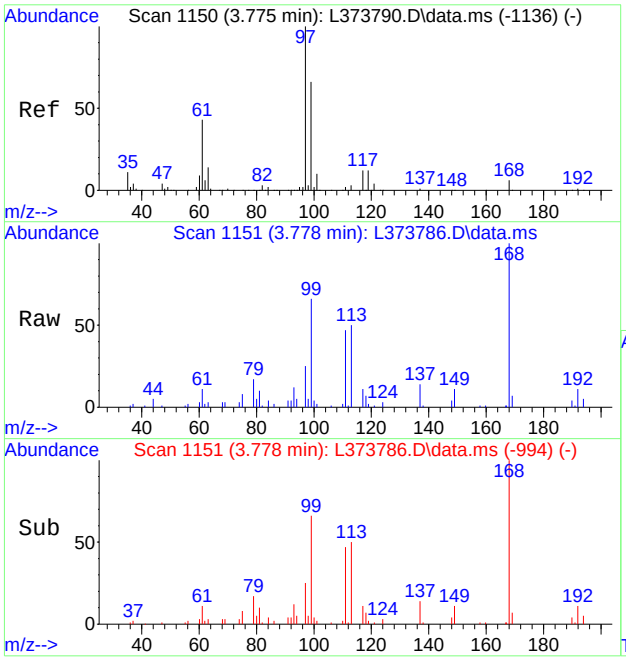


#44
methacrylonitrile
Concen: 1.81 ug/L
RT: 3.560 min Scan# 1083
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 67 Resp: 2997

Ion	Ratio	Lower	Upper
67	100		
41	113.5	115.3	175.3#
66	30.2	4.3	64.3

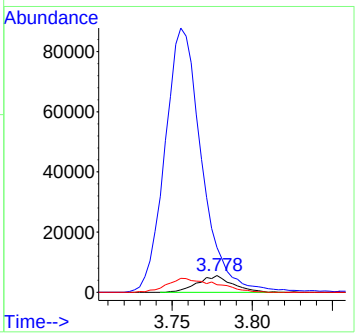


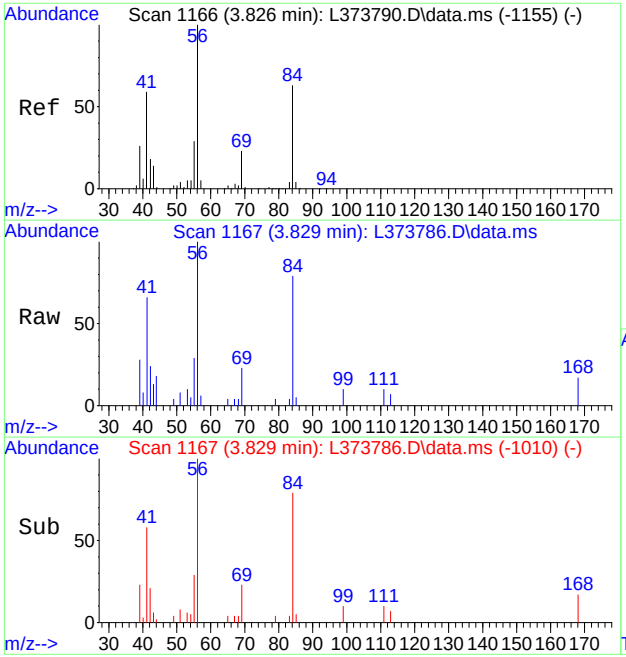


#45
1,1,1-trichloroethane
Concen: 2.17 ug/L
RT: 3.778 min Scan# 1151
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 97 Resp: 8513

Ion	Ratio	Lower	Upper
97	100		
99	250.8	41.0	101.0#
61	45.8	12.9	72.9

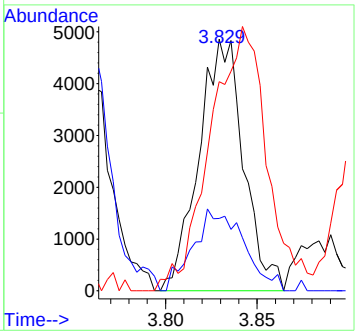


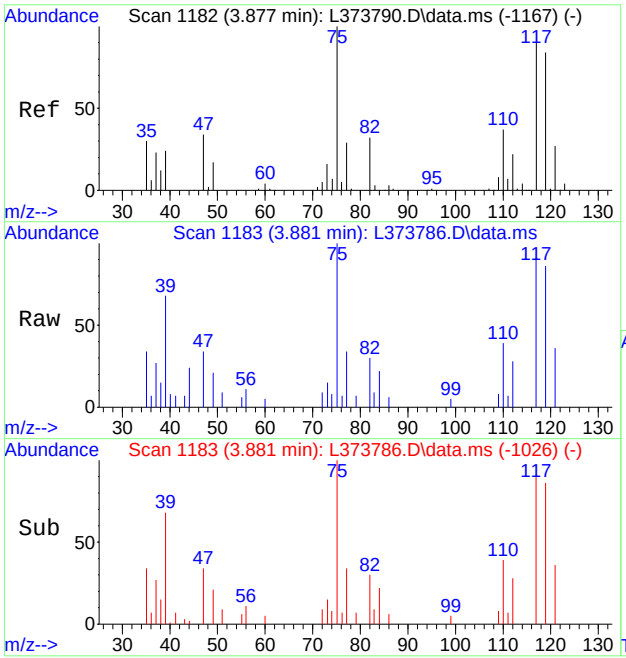


#46
cyclohexane
Concen: 2.61 ug/L
RT: 3.829 min Scan# 1167
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 84 Resp: 8310

Ion	Ratio	Lower	Upper
84	100		
69	28.7	16.2	56.2
41	78.5	73.6	113.6

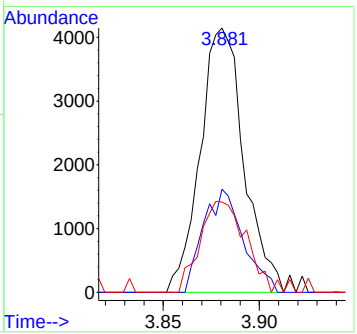


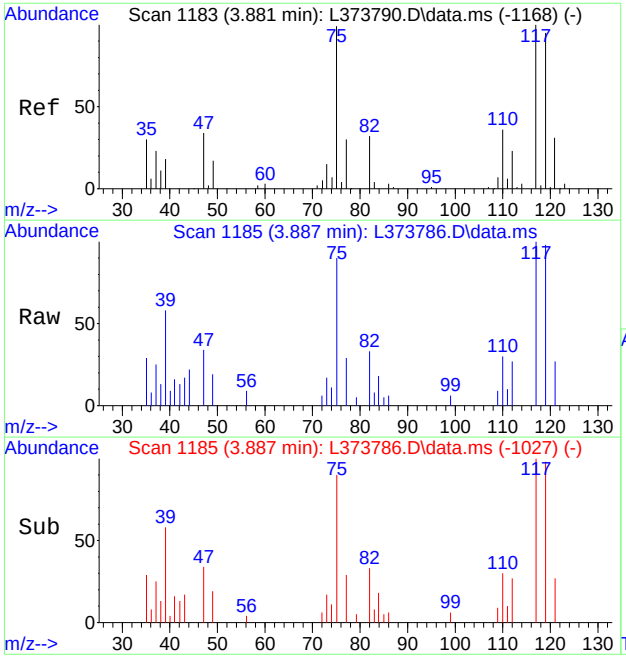


#47
1,1-dichloropropene
Concen: 2.13 ug/L
RT: 3.881 min Scan# 1183
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 75 Resp: 6557

Ion	Ratio	Lower	Upper
75	100		
110	39.0	17.0	57.0
77	34.2	10.2	50.2

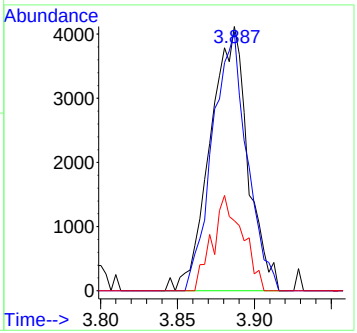


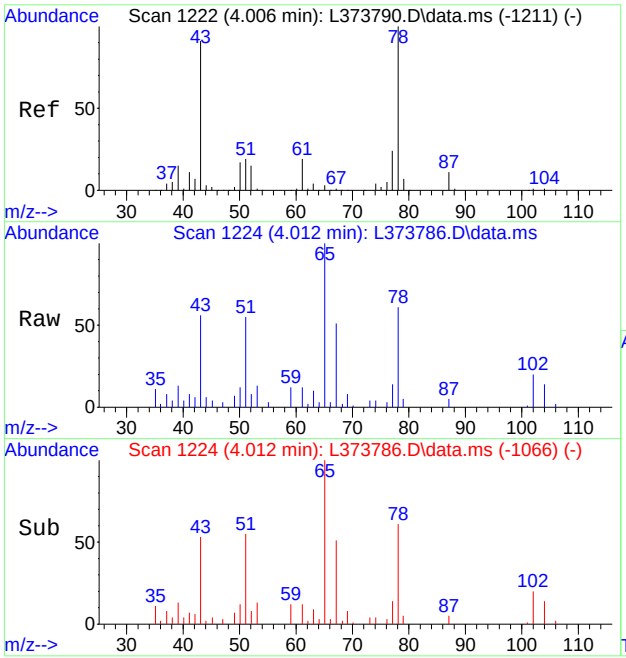


#48
carbon tetrachloride
Concen: 2.28 ug/L
RT: 3.887 min Scan# 1185
Delta R.T. 0.006 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion:117 Resp: 7006

Ion	Ratio	Lower	Upper
117	100		
119	97.9	74.4	114.4
121	26.5	10.8	50.8

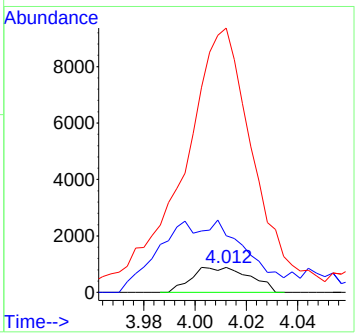


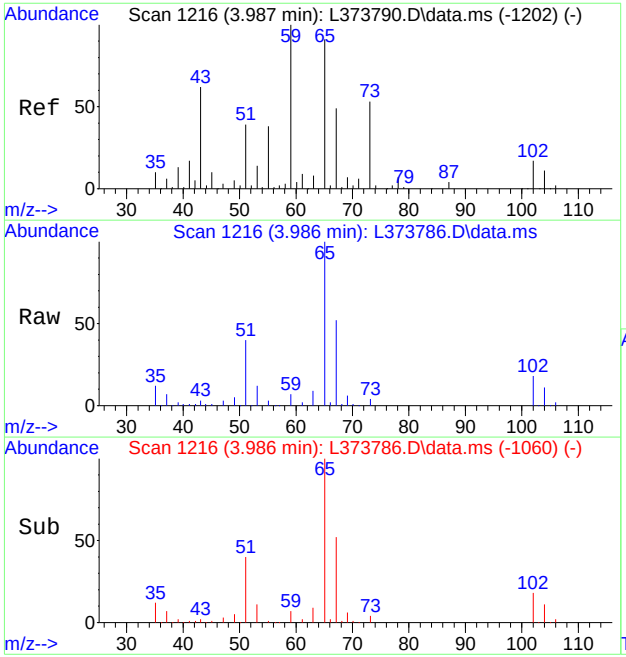


#49
isopropyl acetate
Concen: 1.73 ug/L
RT: 4.012 min Scan# 1224
Delta R.T. 0.006 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 87 Resp: 1398

Ion	Ratio	Lower	Upper
87	100		
61	167.3	152.1	192.1
43	910.3	844.1	904.1#

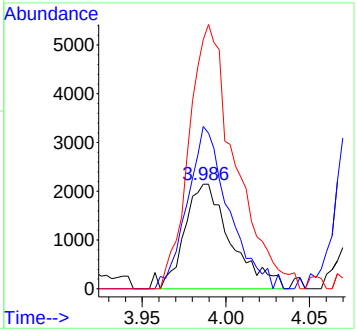


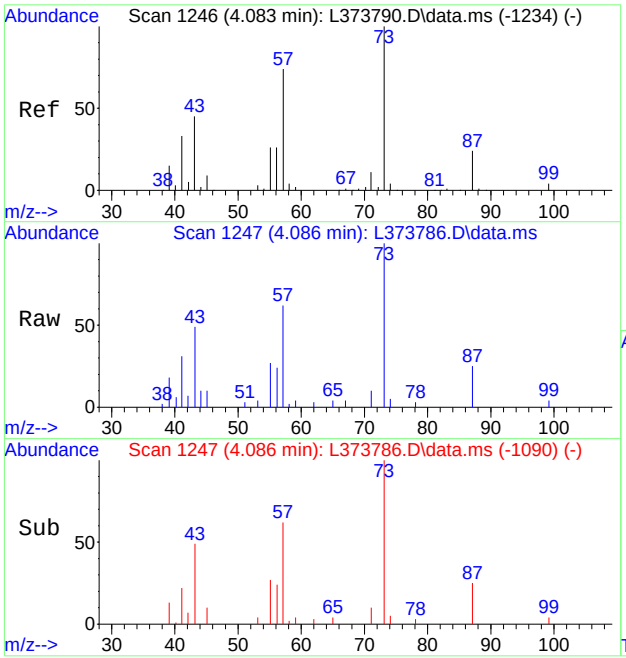


#50
tert amyl alcohol
Concen: 14.30 ug/L
RT: 3.986 min Scan# 1216
Delta R.T. -0.000 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 55 Resp: 4105

Ion	Ratio	Lower	Upper
55	100		
73	155.3	119.2	159.2
59	238.2	242.0	282.0#

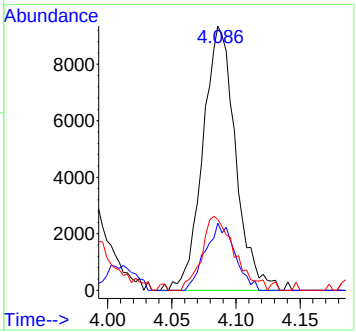


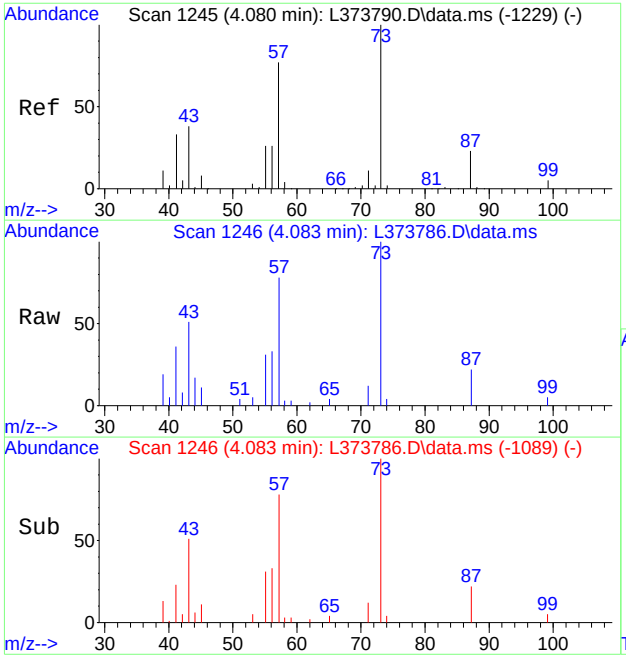


#53
tert-amyl methyl ether
Concen: 2.38 ug/L
RT: 4.086 min Scan# 1247
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 73 Resp: 16608

Ion	Ratio	Lower	Upper
73	100		
87	25.4	4.6	44.6
55	26.9	5.7	45.7

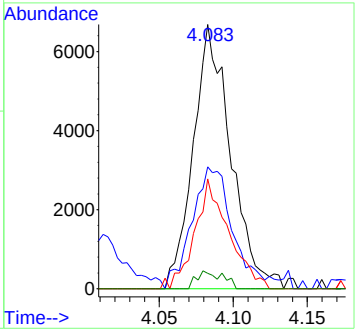


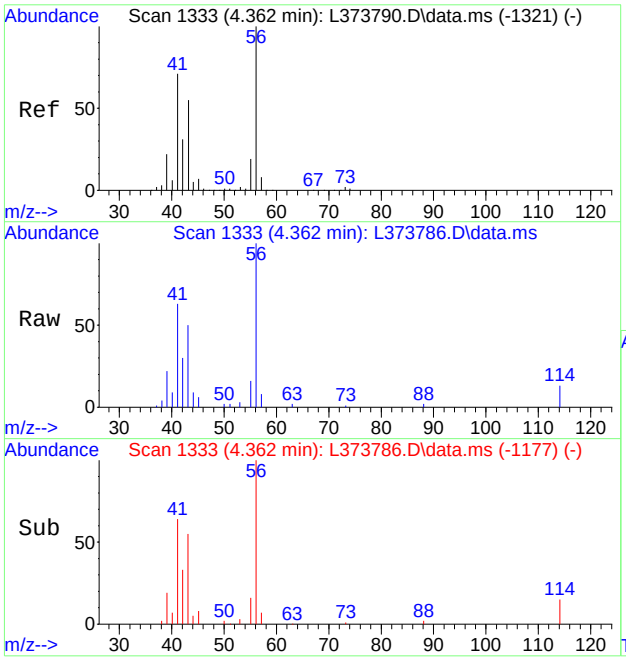


#54
2,2,4-trimethylpentane
Concen: 2.28 ug/L
RT: 4.083 min Scan# 1246
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 57 Resp: 11786

Ion	Ratio	Lower	Upper
57	100		
41	42.9	25.1	65.1
56	41.6	13.8	53.8
99	5.9	0.0	25.9

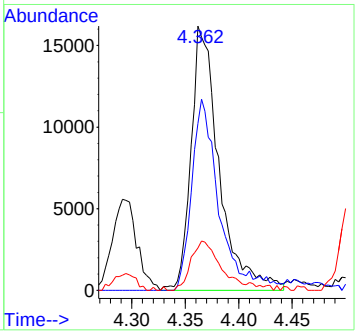


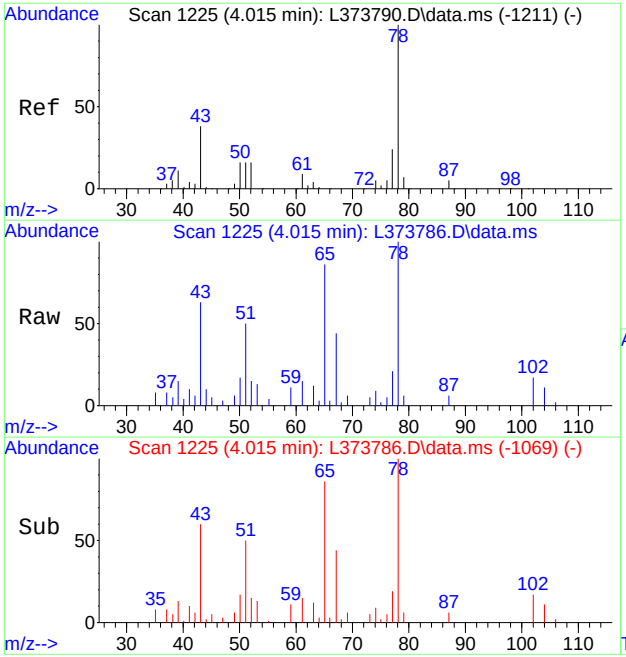


#55
n-butyl alcohol
Concen: 145.90 ug/L
RT: 4.362 min Scan# 1333
Delta R.T. -0.000 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 56 Resp: 29580

Ion	Ratio	Lower	Upper
56	100		
41	63.1	40.6	100.6
55	16.0	0.0	49.1

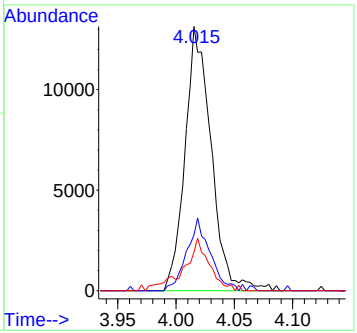


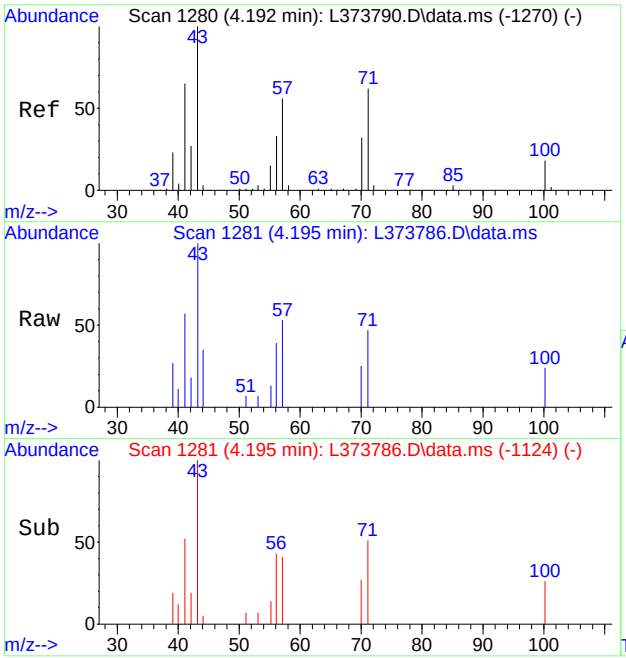


#56
benzene
Concen: 2.05 ug/L
RT: 4.015 min Scan# 1225
Delta R.T. -0.000 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 78 Resp: 20613

Ion	Ratio	Lower	Upper
78	100		
77	21.1	0.0	53.5
52	14.7	0.0	46.2

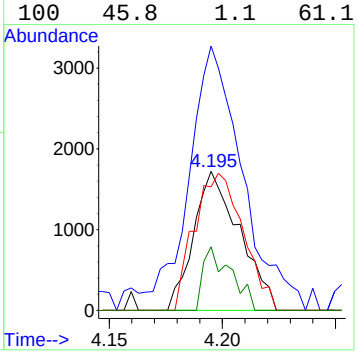


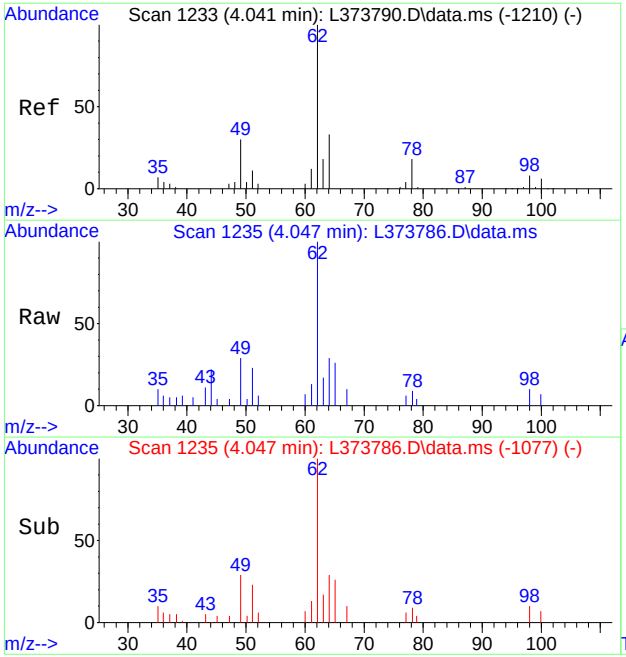


#57
heptane
Concen: 2.35 ug/L
RT: 4.195 min Scan# 1281
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 57 Resp: 2422

Ion	Ratio	Lower	Upper
57	100		
43	167.6	146.8	206.8
71	89.1	78.5	138.5
100	45.8	1.1	61.1

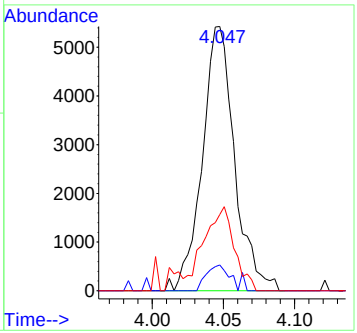


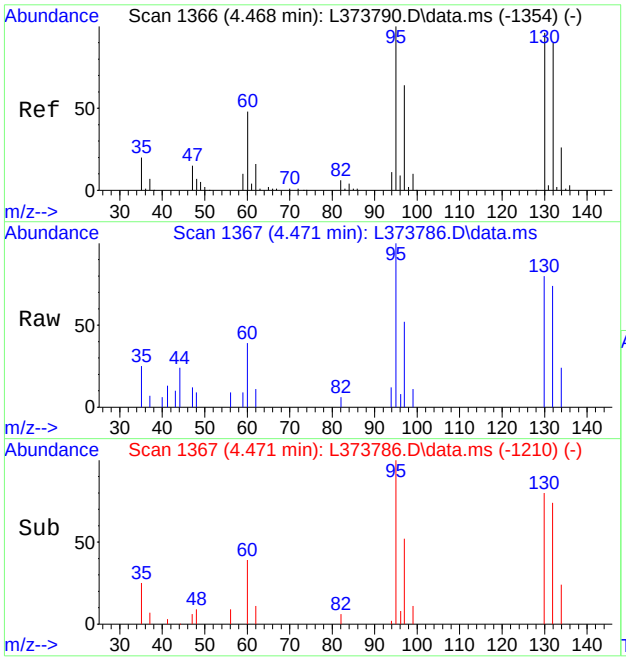


#58
1,2-dichloroethane
Concen: 2.31 ug/L
RT: 4.047 min Scan# 1235
Delta R.T. 0.006 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 62 Resp: 8578

Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	38.1
64	28.8	2.8	62.8

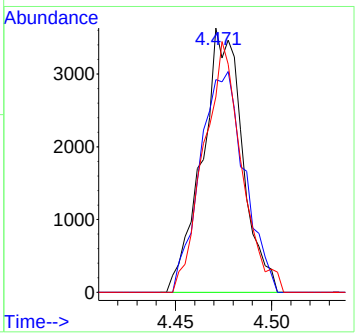


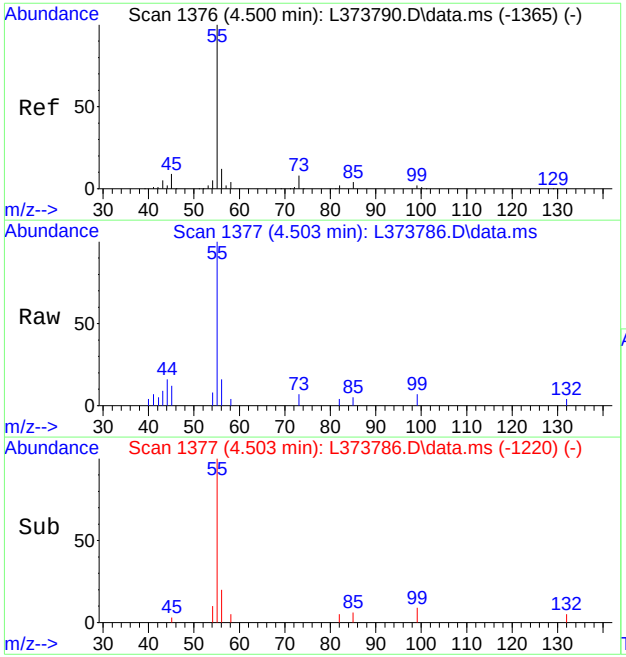


#59
trichloroethene
Concen: 2.22 ug/L
RT: 4.471 min Scan# 1367
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 95 Resp: 5293

Ion	Ratio	Lower	Upper
95	100		
130	80.5	65.5	125.5
132	73.9	59.7	119.7

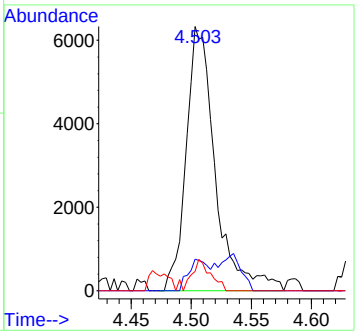


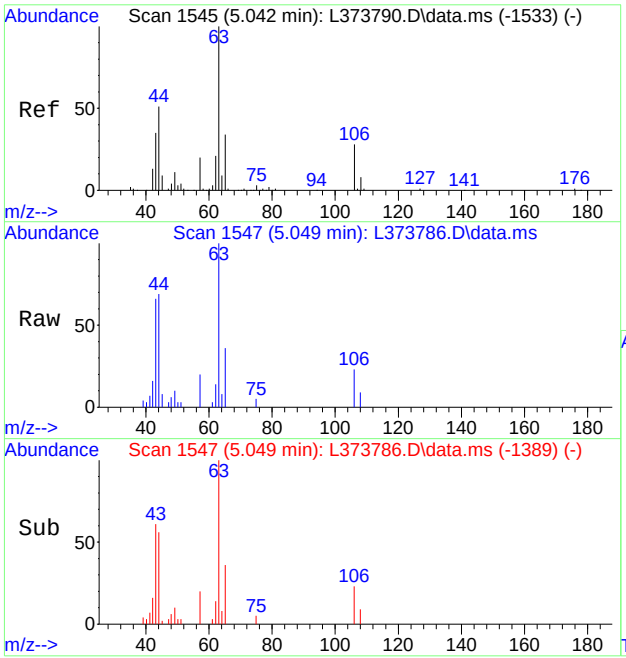


#60
ethyl acrylate
Concen: 2.44 ug/L
RT: 4.503 min Scan# 1377
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 55 Resp: 10640

Ion	Ratio	Lower	Upper
55	100		
45	12.0	0.0	28.6
99	7.4	0.0	27.8

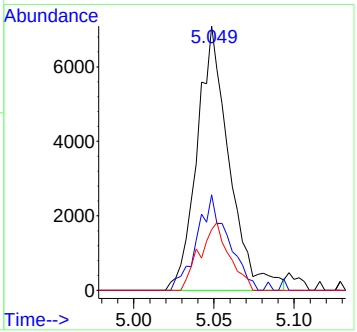


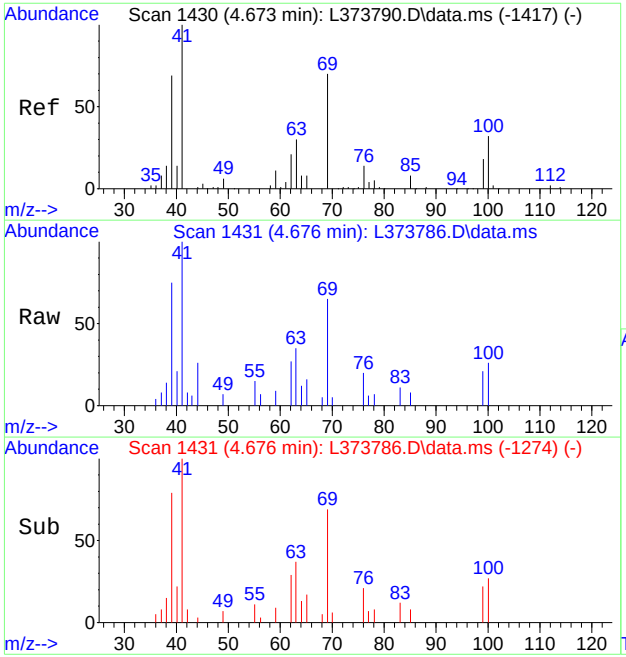


#62
2-chloroethyl vinyl ether
Concen: 11.99 ug/L
RT: 5.049 min Scan# 1547
Delta R.T. 0.006 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 63 Resp: 9888

Ion	Ratio	Lower	Upper
63	100		
65	36.1	3.9	63.9
106	23.0	0.0	57.6

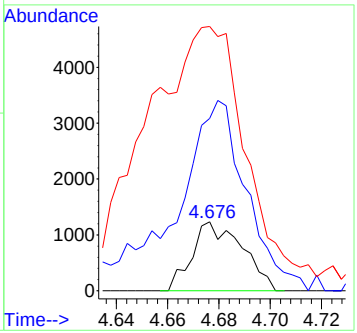


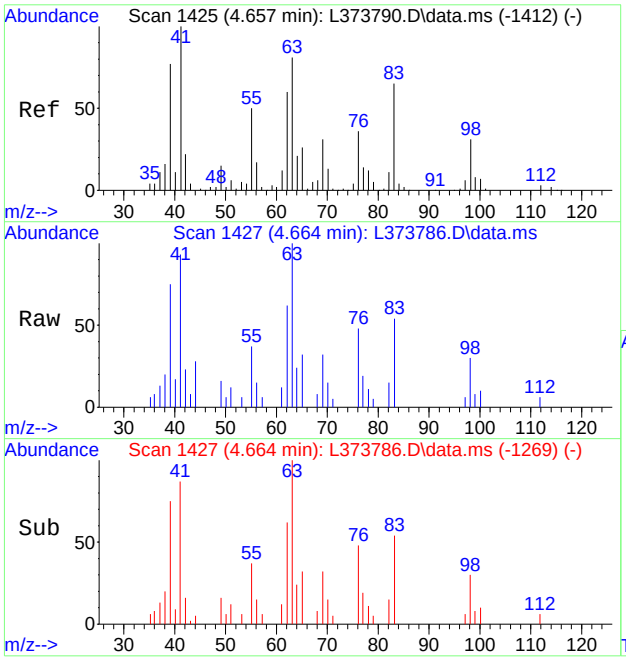


#63
methyl methacrylate
Concen: 1.92 ug/L
RT: 4.676 min Scan# 1431
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion:100 Resp: 1679

Ion	Ratio	Lower	Upper
100	100		
69	222.9	221.2	281.2
41	332.2	360.4	420.4#

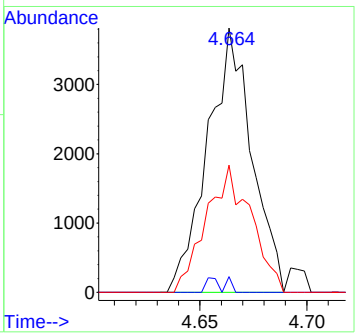


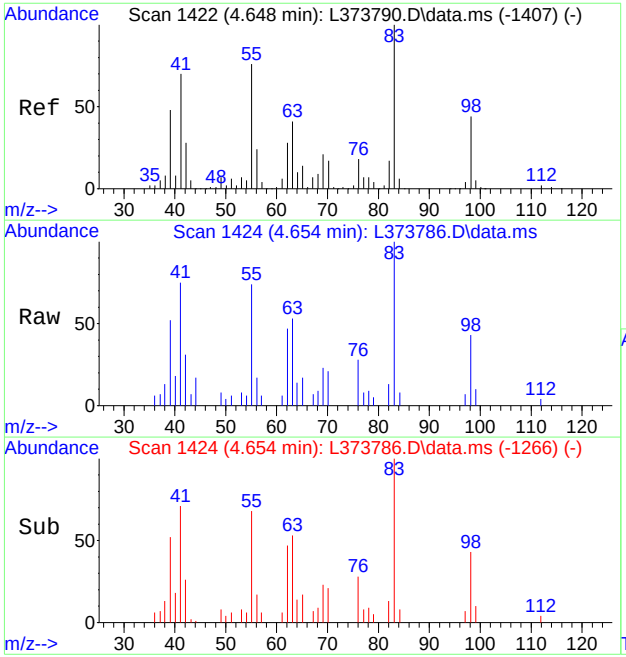


#64
1,2-dichloropropane
Concen: 2.23 ug/L
RT: 4.664 min Scan# 1427
Delta R.T. 0.006 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 63 Resp: 5496

Ion	Ratio	Lower	Upper
63	100		
112	5.9	0.0	34.1
76	48.1	14.3	74.3

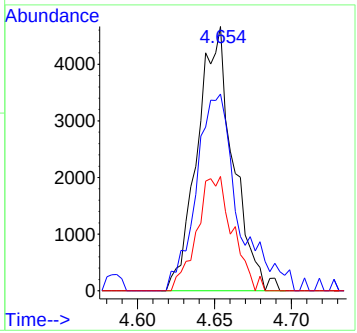


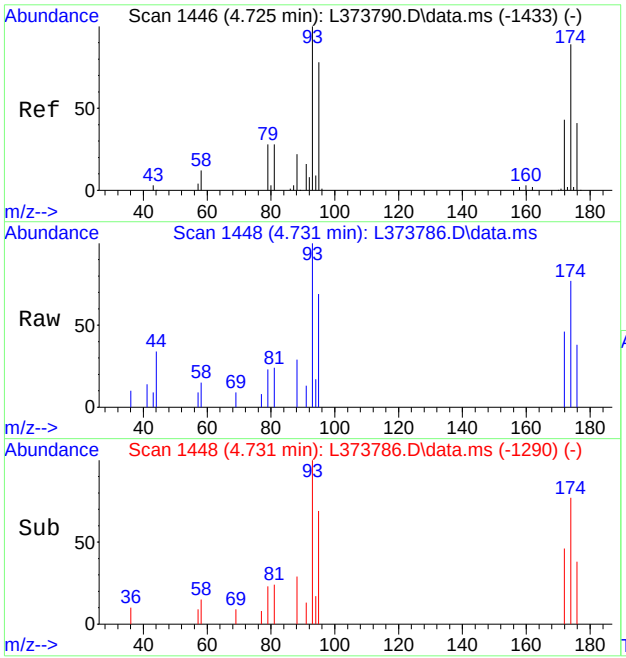


#65
methylcyclohexane
Concen: 2.45 ug/L
RT: 4.654 min Scan# 1424
Delta R.T. 0.006 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 83 Resp: 7535

Ion	Ratio	Lower	Upper
83	100		
55	74.4	46.3	106.3
98	43.3	13.7	73.7

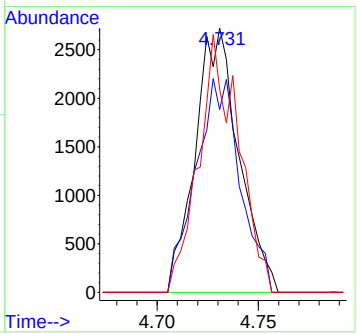


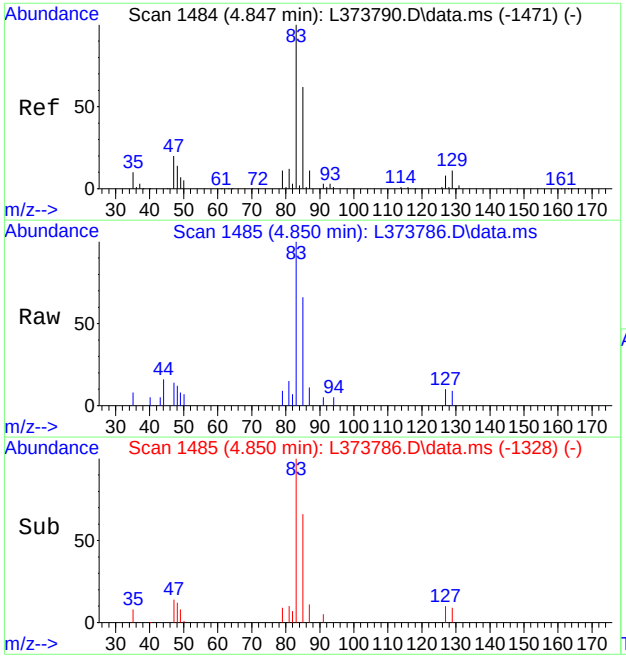


#66
dibromomethane
Concen: 2.42 ug/L
RT: 4.731 min Scan# 1448
Delta R.T. 0.006 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 93 Resp: 4088

Ion	Ratio	Lower	Upper
93	100		
95	69.1	48.3	108.3
174	76.9	59.2	119.2

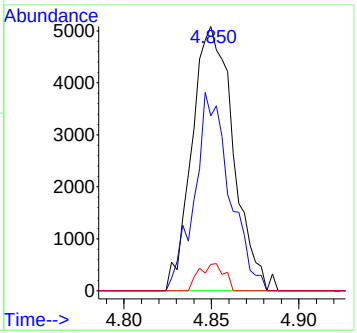


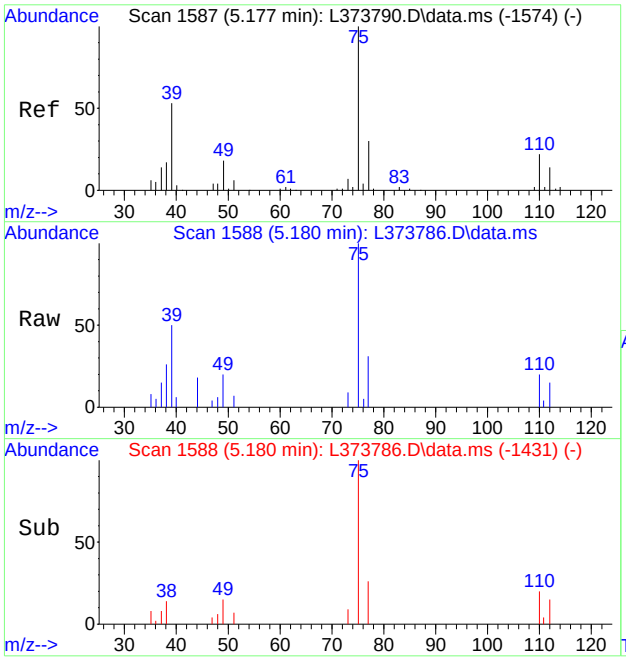


#67
bromodichloromethane
Concen: 2.43 ug/L
RT: 4.850 min Scan# 1485
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 83 Resp: 8361

Ion	Ratio	Lower	Upper
83	100		
85	66.1	31.5	91.5
127	9.9	0.0	38.3

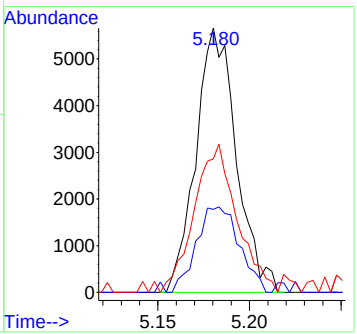


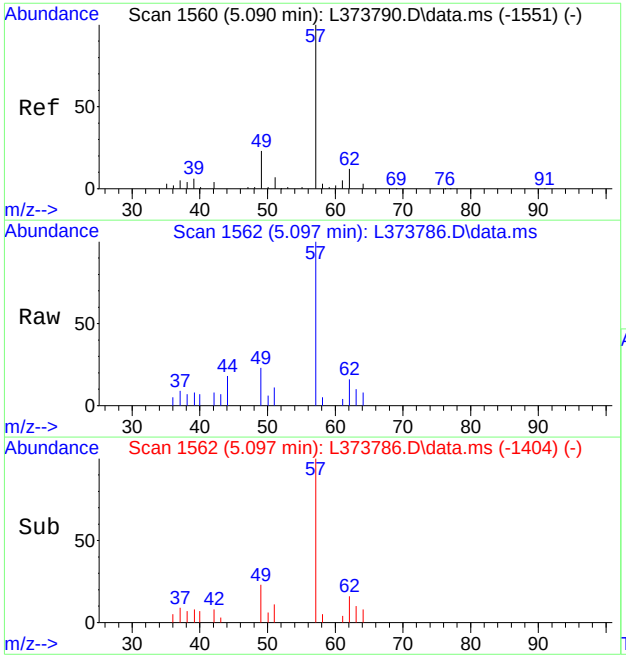


#68
cis-1,3-dichloropropene
Concen: 2.17 ug/L
RT: 5.180 min Scan# 1588
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 75 Resp: 8742

Ion	Ratio	Lower	Upper
75	100		
77	27.9	0.1	60.1
39	50.5	23.1	83.1

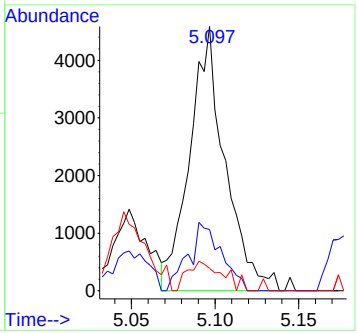


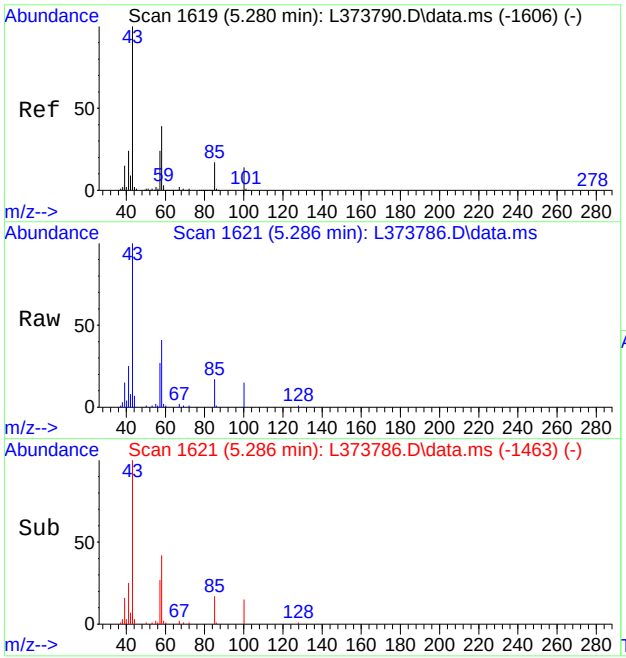


#69
epichlorohydrin
Concen: 13.85 ug/L
RT: 5.097 min Scan# 1562
Delta R.T. 0.006 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 57 Resp: 6744

Ion	Ratio	Lower	Upper
57	100		
49	23.3	1.0	41.0
42	8.5	0.0	29.5

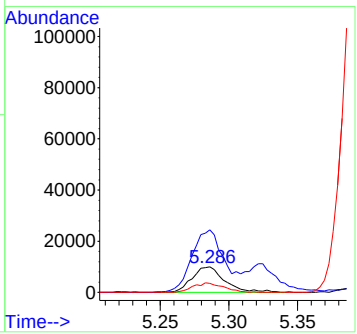


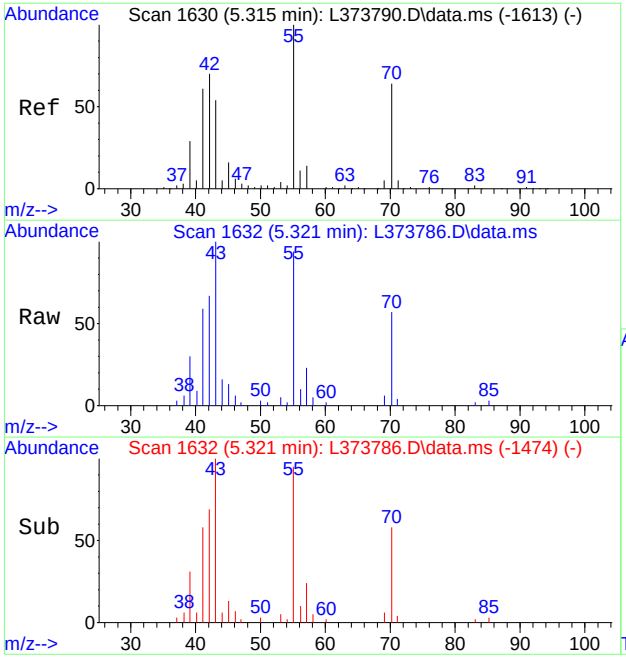


#70
4-methyl-2-pentanone
Concen: 10.68 ug/L
RT: 5.286 min Scan# 1621
Delta R.T. 0.006 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 58 Resp: 16513

Ion	Ratio	Lower	Upper
58	100		
43	242.6	233.3	273.3
100	35.6	15.2	55.2

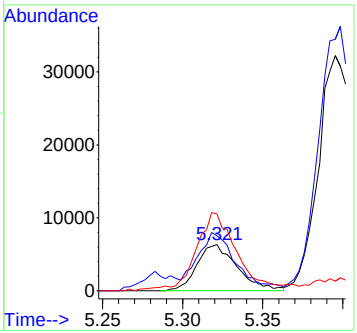


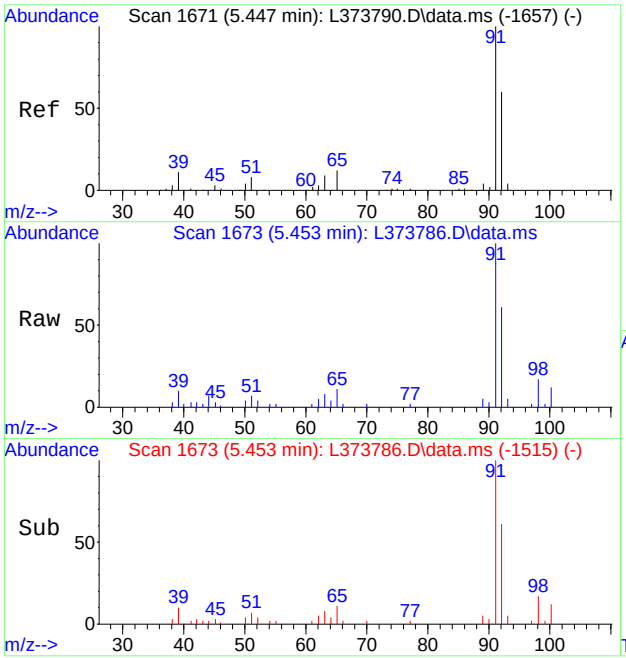


#71
3-methyl-1-butanol
Concen: 59.62 ug/L
RT: 5.321 min Scan# 1632
Delta R.T. 0.006 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 70 Resp: 11108

Ion	Ratio	Lower	Upper
70	100		
42	110.1	94.2	134.2
55	158.6	137.5	177.5

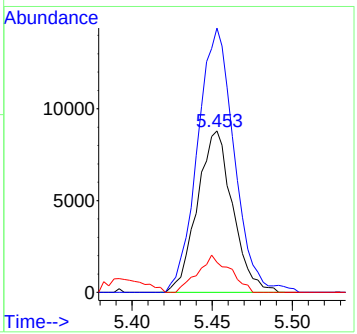


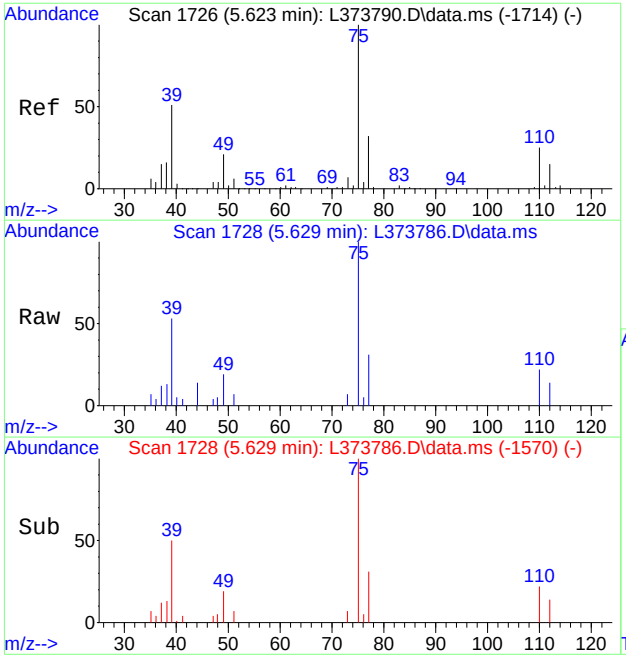


#74
toluene
Concen: 2.12 ug/L
RT: 5.453 min Scan# 1673
Delta R.T. 0.006 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 92 Resp: 13523

Ion	Ratio	Lower	Upper
92	100		
91	163.7	136.7	196.7
65	18.6	0.0	50.8

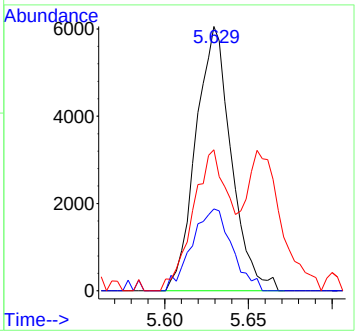


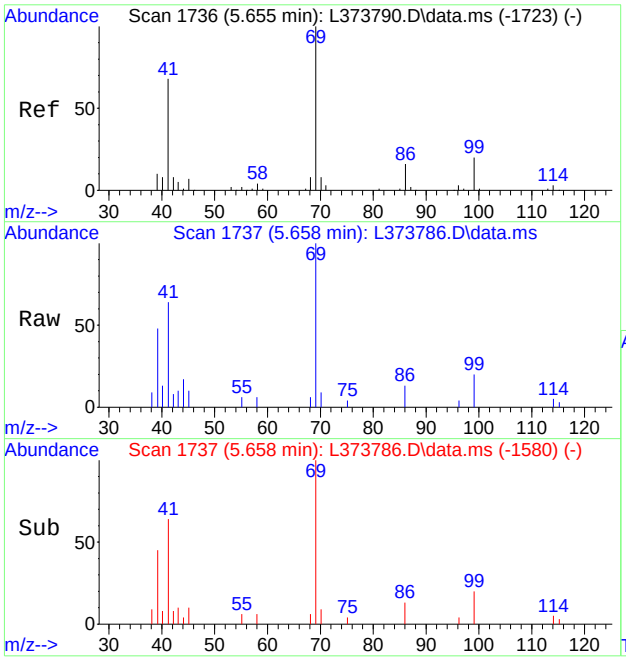


#75
trans-1,3-dichloropropene
Concen: 2.40 ug/L
RT: 5.629 min Scan# 1728
Delta R.T. 0.006 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 75 Resp: 8914

Ion	Ratio	Lower	Upper
75	100		
77	31.0	1.7	61.7
39	53.3	20.7	80.7

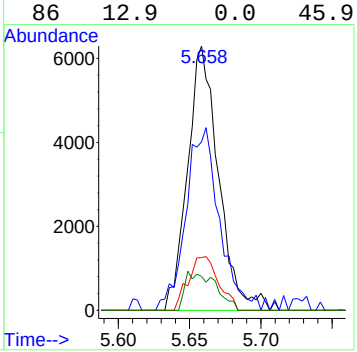


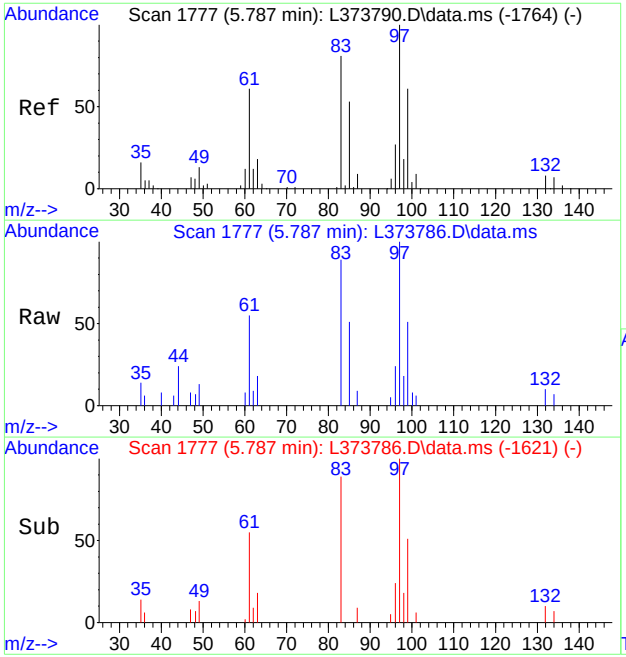


#76
ethyl methacrylate
Concen: 2.39 ug/L
RT: 5.658 min Scan# 1737
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 69 Resp: 9536

Ion	Ratio	Lower	Upper
69	100		
41	59.8	38.9	98.9
99	20.0	0.0	50.4
86	12.9	0.0	45.9

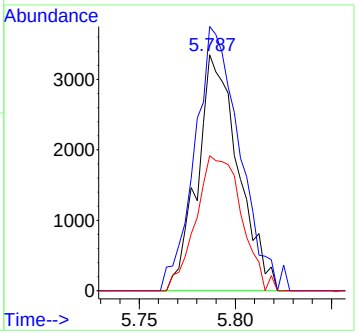


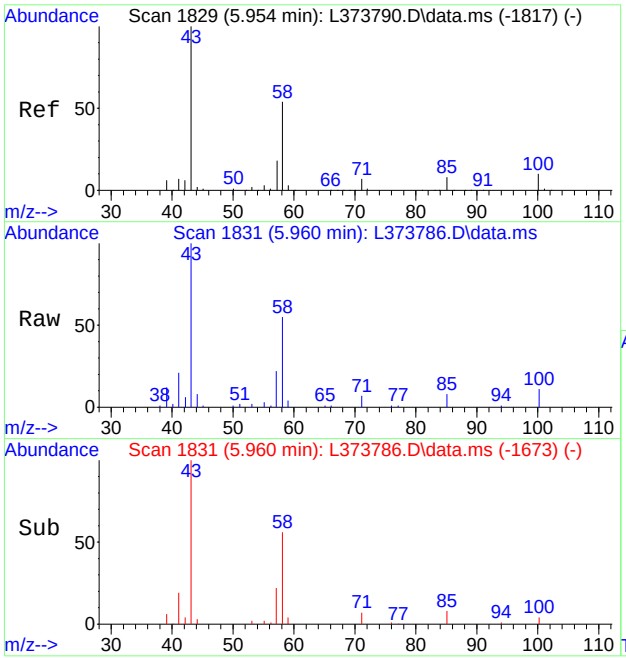


#77
1,1,2-trichloroethane
Concen: 2.52 ug/L
RT: 5.787 min Scan# 1777
Delta R.T. -0.000 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 83 Resp: 4941

Ion	Ratio	Lower	Upper
83	100		
97	112.1	93.6	153.6
85	57.3	35.4	95.4

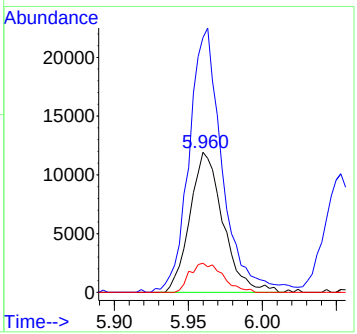


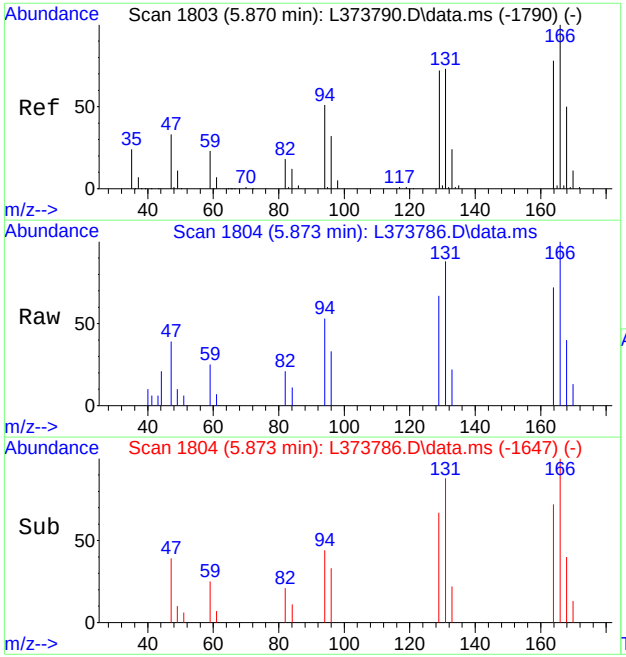


#78
2-hexanone
Concen: 10.72 ug/L
RT: 5.960 min Scan# 1831
Delta R.T. 0.006 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 58 Resp: 18559

Ion	Ratio	Lower	Upper
58	100		
43	179.6	154.6	214.6
100	20.9	0.0	49.0

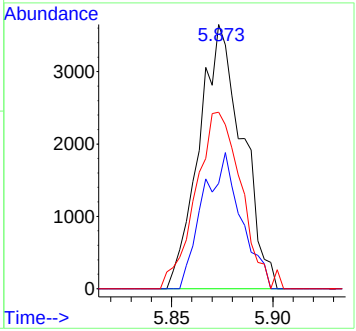


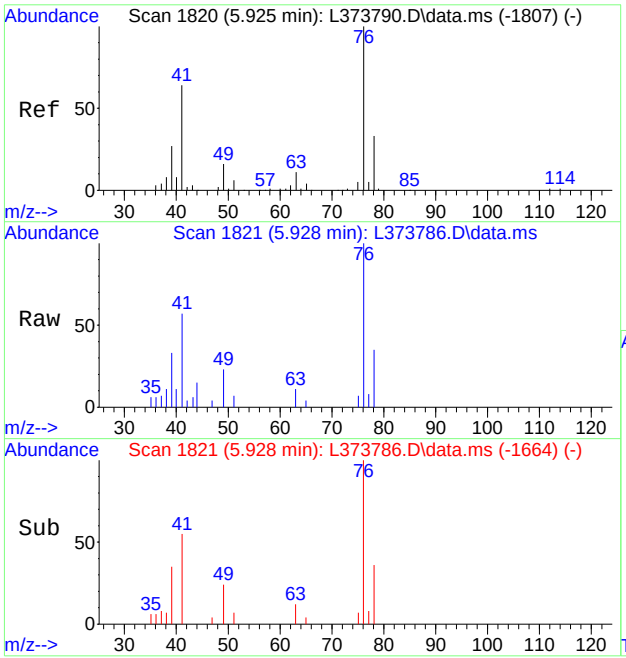


#79
tetrachloroethene
Concen: 2.22 ug/L
RT: 5.873 min Scan# 1804
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion:166 Resp: 5423

Ion	Ratio	Lower	Upper
166	100		
168	39.9	19.7	79.7
129	66.7	42.4	102.4

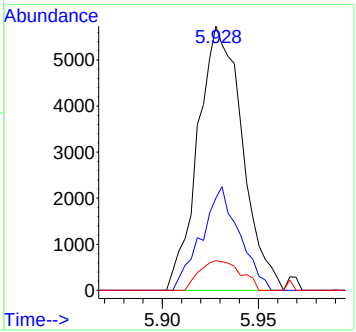


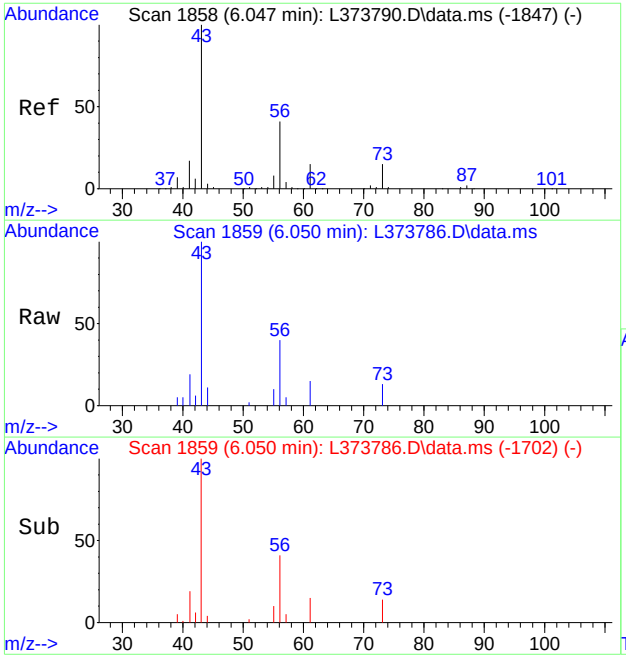


#80
1,3-dichloropropane
Concen: 2.43 ug/L
RT: 5.928 min Scan# 1821
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 76 Resp: 9204

Ion	Ratio	Lower	Upper
76	100		
78	34.9	2.7	62.7
63	11.2	0.0	41.2

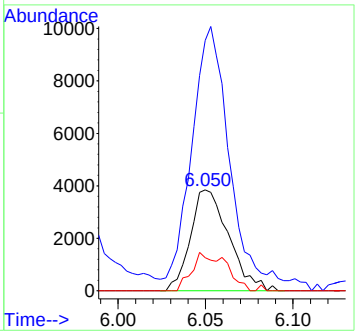


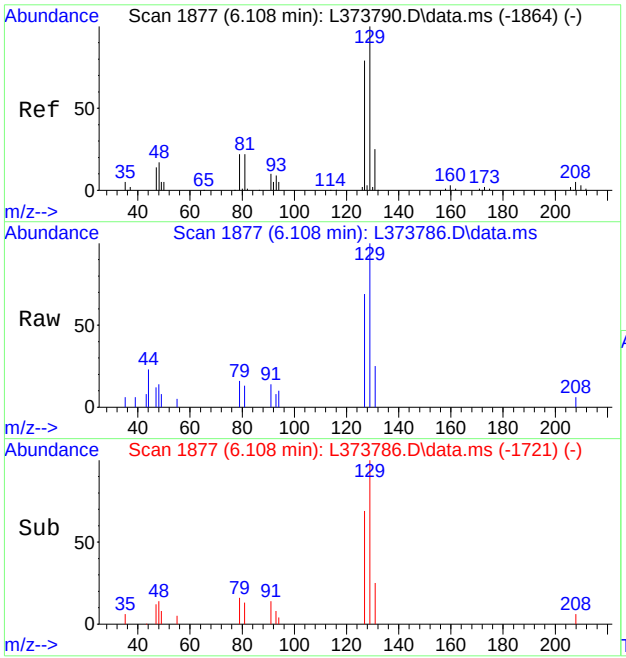


#81
butyl acetate
Concen: 2.49 ug/L
RT: 6.050 min Scan# 1859
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 56 Resp: 5872

Ion	Ratio	Lower	Upper
56	100		
43	238.3	218.3	278.3
73	33.0	7.2	67.2

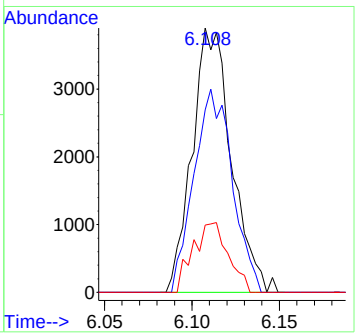


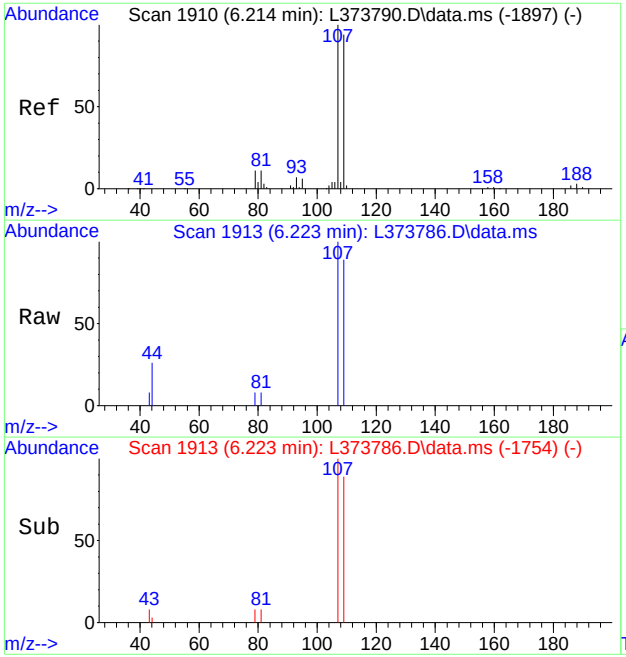


#82
dibromochloromethane
Concen: 2.31 ug/L
RT: 6.108 min Scan# 1877
Delta R.T. -0.000 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion:129 Resp: 6092

Ion	Ratio	Lower	Upper
129	100		
127	69.0	49.0	109.0
131	25.4	0.0	54.6

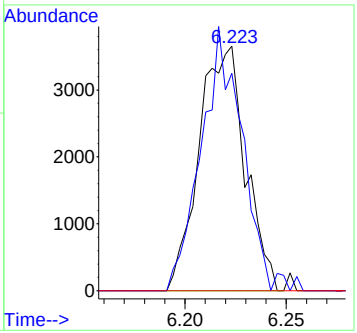


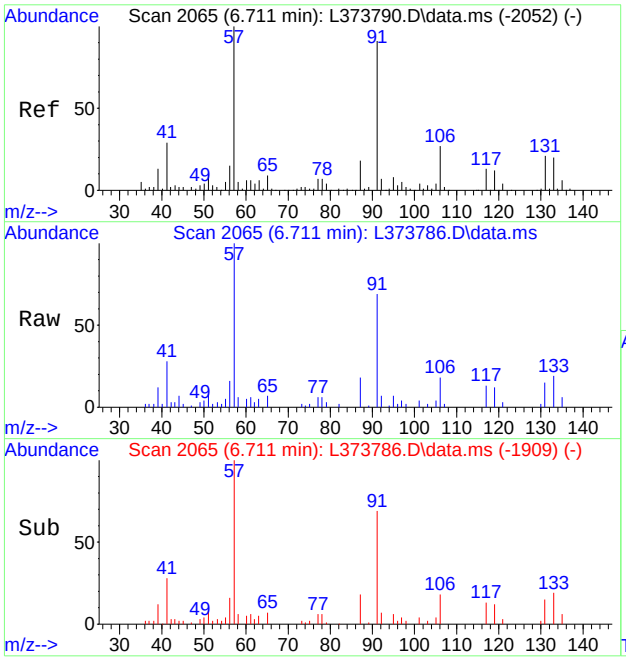


#83
1,2-dibromoethane
Concen: 2.39 ug/L
RT: 6.223 min Scan# 1913
Delta R.T. 0.009 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion:107 Resp: 5814

Ion	Ratio	Lower	Upper
107	100		
109	88.9	63.9	123.9
188	0.0	0.0	33.4

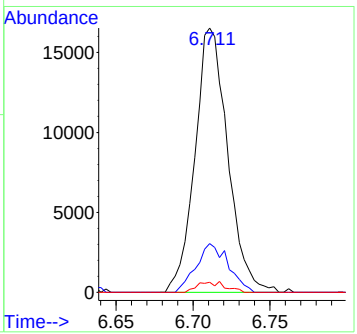


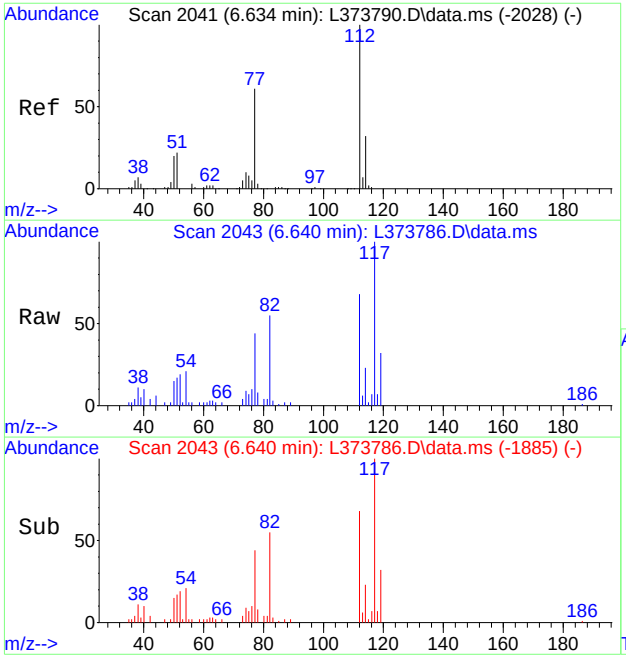


#84
n-butyl ether
Concen: 2.38 ug/L
RT: 6.711 min Scan# 2065
Delta R.T. -0.000 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 57 Resp: 24500

Ion	Ratio	Lower	Upper
57	100		
87	18.5	0.0	47.8
101	3.9	0.0	34.2

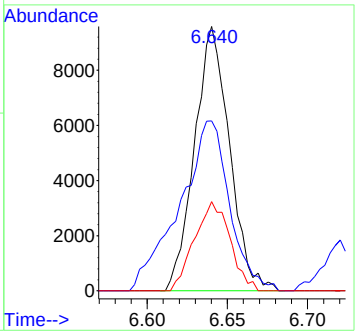


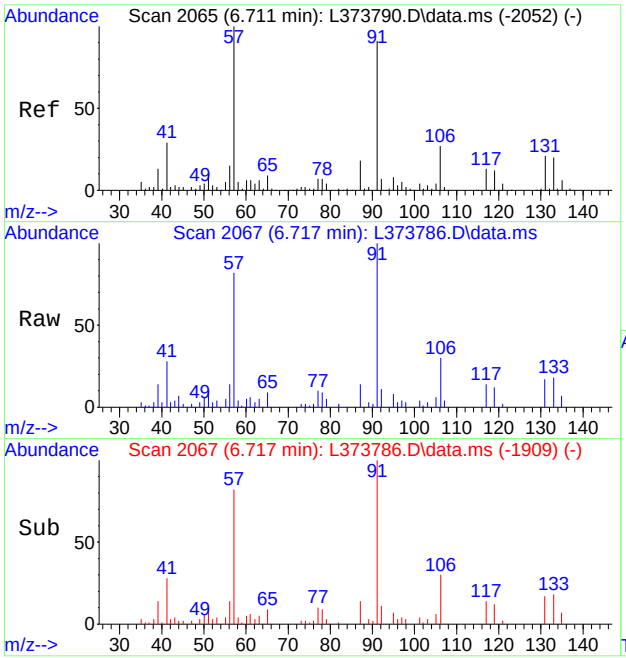


#85
chlorobenzene
Concen: 2.23 ug/L
RT: 6.640 min Scan# 2043
Delta R.T. 0.006 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion:112 Resp: 14599

Ion	Ratio	Lower	Upper
112	100		
77	64.2	30.8	90.8
114	33.7	2.4	62.4

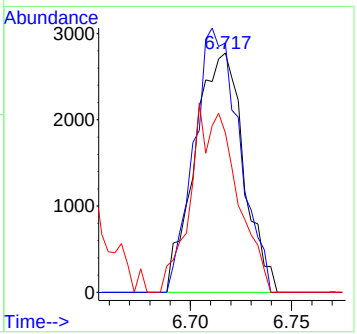


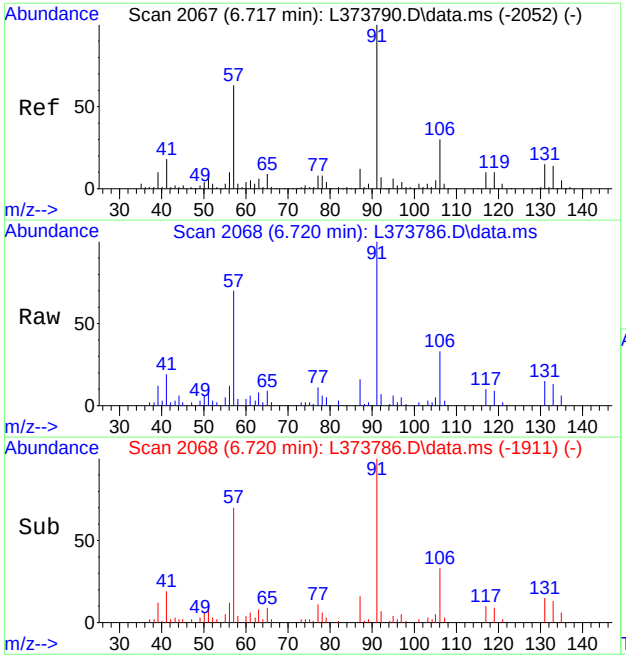


#86
1,1,1,2-tetrachloroethane
Concen: 2.23 ug/L
RT: 6.717 min Scan# 2067
Delta R.T. 0.006 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion:131 Resp: 4650

Ion	Ratio	Lower	Upper
131	100		
133	104.3	65.1	125.1
119	66.7	30.8	90.8

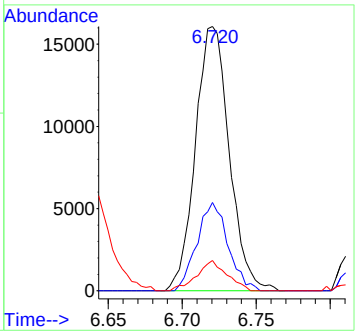


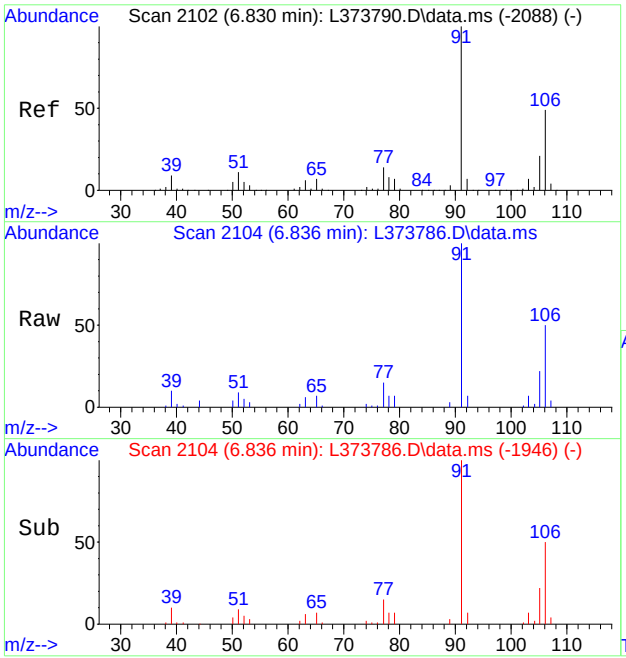


#87
ethylbenzene
Concen: 2.31 ug/L
RT: 6.720 min Scan# 2068
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 91 Resp: 25589

Ion	Ratio	Lower	Upper
91	100		
106	33.4	0.1	60.1
77	11.5	0.0	38.6

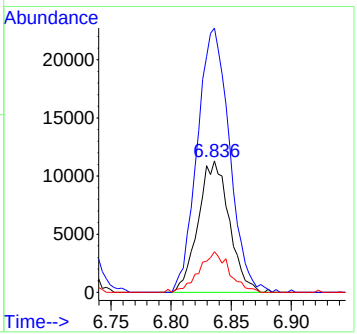


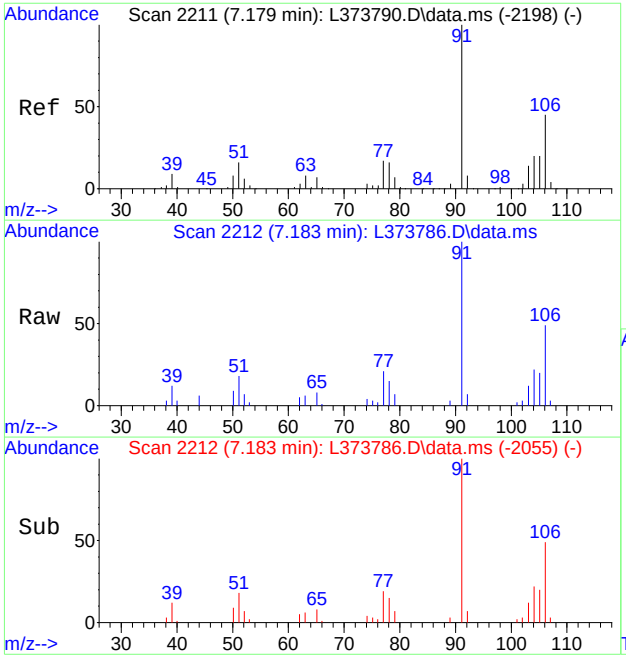


#88
m,p-xylene
Concen: 4.71 ug/L
RT: 6.836 min Scan# 2104
Delta R.T. 0.006 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion:106 Resp: 20254

Ion	Ratio	Lower	Upper
106	100		
91	201.2	175.7	235.7
77	31.0	8.1	48.1

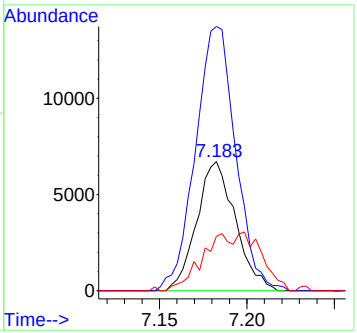


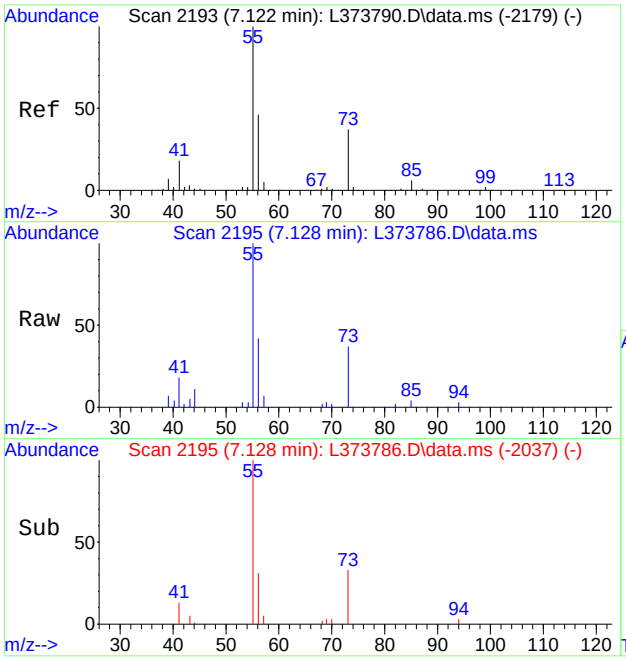


#89
o-xylene
Concen: 2.47 ug/L
RT: 7.183 min Scan# 2212
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion:106 Resp: 10356

Ion	Ratio	Lower	Upper
106	100		
91	201.5	194.5	254.5
77	42.0	18.1	58.1

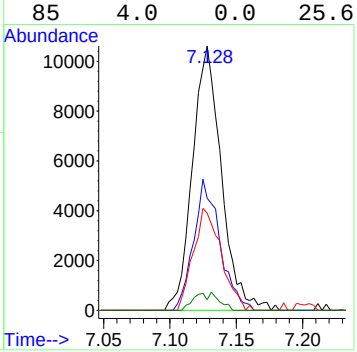


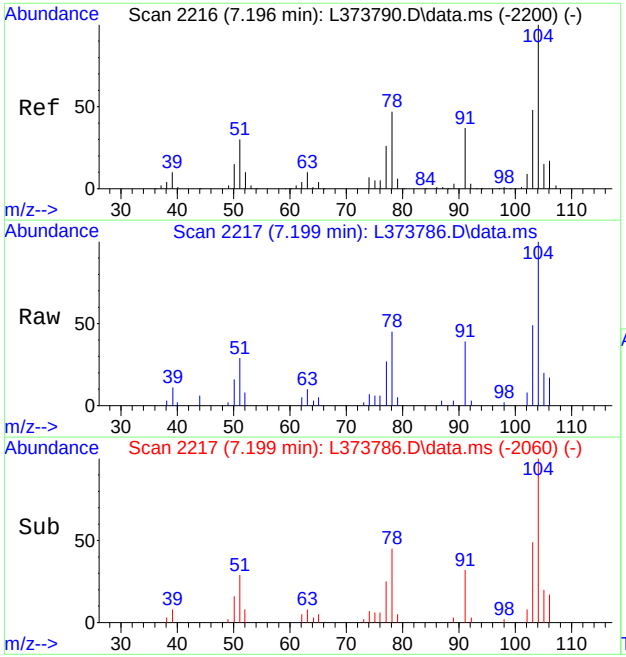


#90
butyl acrylate
Concen: 2.52 ug/L
RT: 7.128 min Scan# 2195
Delta R.T. 0.006 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 55 Resp: 16092

Ion	Ratio	Lower	Upper
55	100		
56	42.4	26.3	66.3
73	36.8	17.5	57.5
85	4.0	0.0	25.6

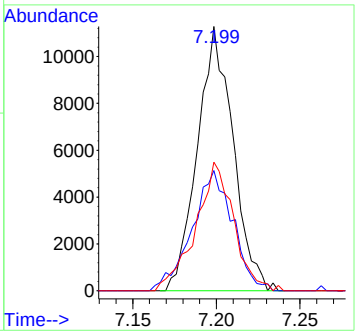


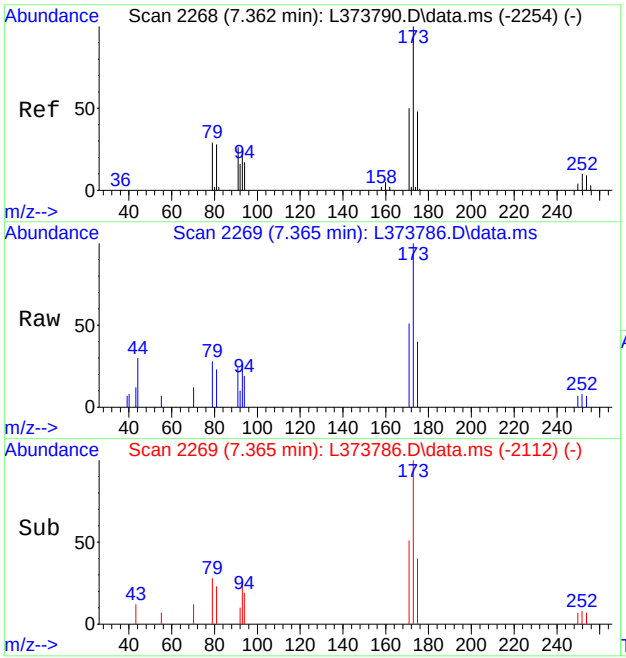


#91
styrene
Concen: 2.41 ug/L
RT: 7.199 min Scan# 2217
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion:104 Resp: 16762

Ion	Ratio	Lower	Upper
104	100		
78	45.4	16.8	76.8
103	48.7	17.7	77.7

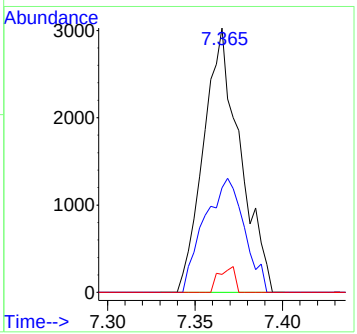


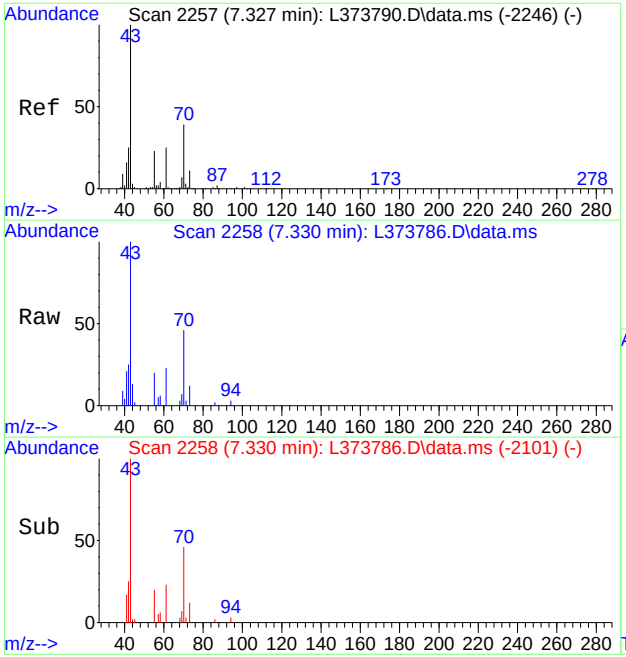


#92
bromoform
Concen: 2.34 ug/L
RT: 7.365 min Scan# 2269
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion:173 Resp: 4383

Ion	Ratio	Lower	Upper
173	100		
175	39.6	17.8	77.8
254	6.8	0.0	39.4

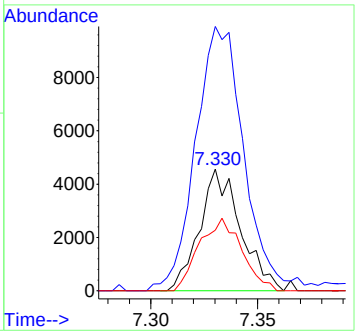


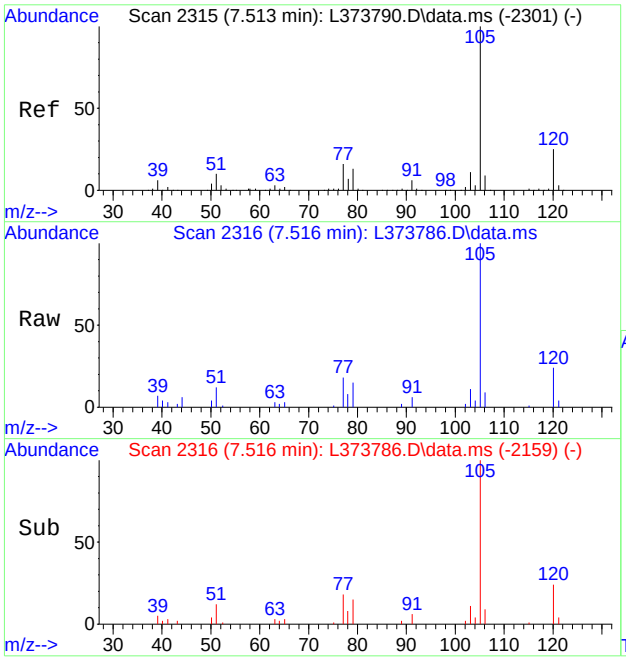


#93
n-amyl acetate
Concen: 2.57 ug/L
RT: 7.330 min Scan# 2258
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 70 Resp: 6090

Ion	Ratio	Lower	Upper
70	100		
43	211.6	233.4	273.4#
61	49.9	42.6	82.6

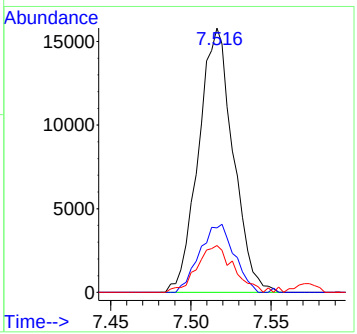


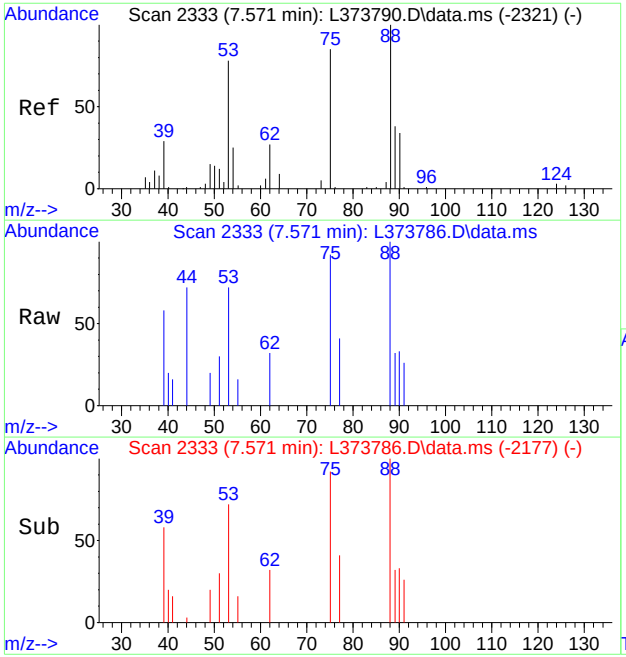


#94
isopropylbenzene
Concen: 2.36 ug/L
RT: 7.516 min Scan# 2316
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion:105 Resp: 23741

Ion	Ratio	Lower	Upper
105	100		
120	24.3	5.2	45.2
77	17.7	0.0	36.2

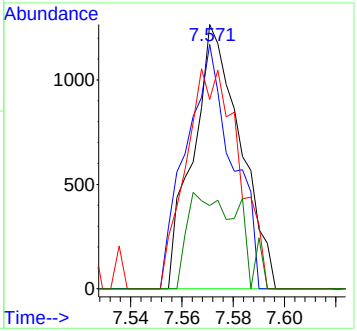


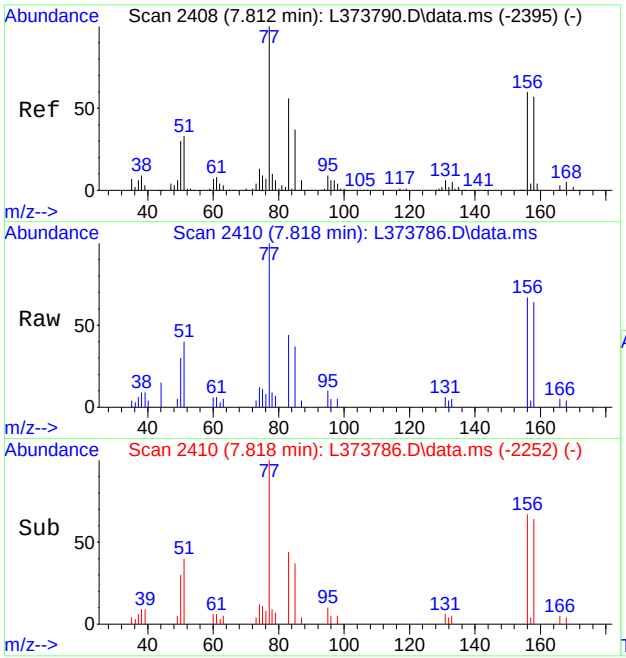


#95
cis-1,4-dichloro-2-butene
Concen: 1.74 ug/L
RT: 7.571 min Scan# 2333
Delta R.T. -0.000 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 88 Resp: 1621

Ion	Ratio	Lower	Upper
88	100		
75	92.4	66.5	106.5
53	71.6	59.7	99.7
89	31.5	20.7	60.7

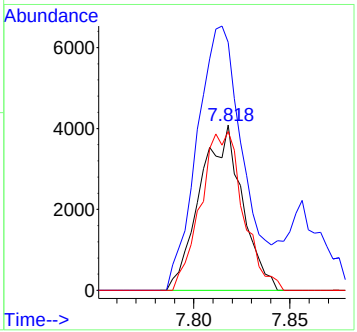


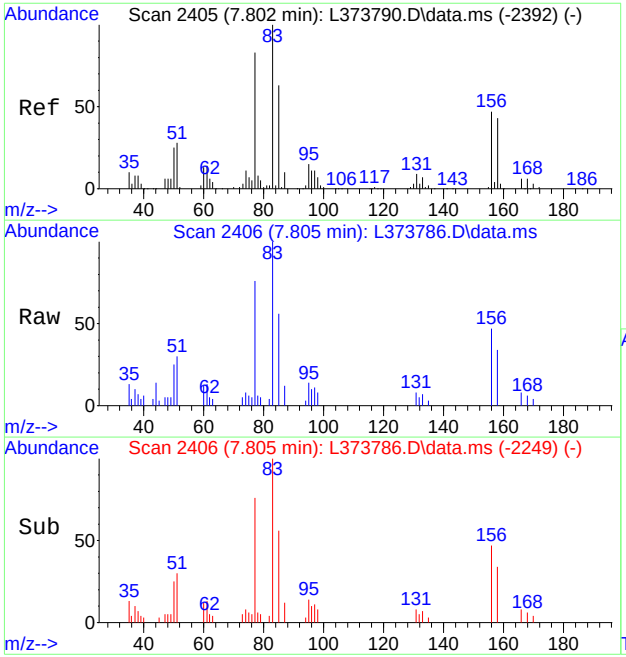


#98
bromobenzene
Concen: 2.45 ug/L
RT: 7.818 min Scan# 2410
Delta R.T. 0.006 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion:156 Resp: 6223

Ion	Ratio	Lower	Upper
156	100		
77	150.1	137.0	197.0
158	96.1	65.5	125.5

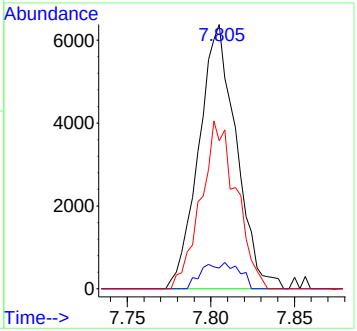


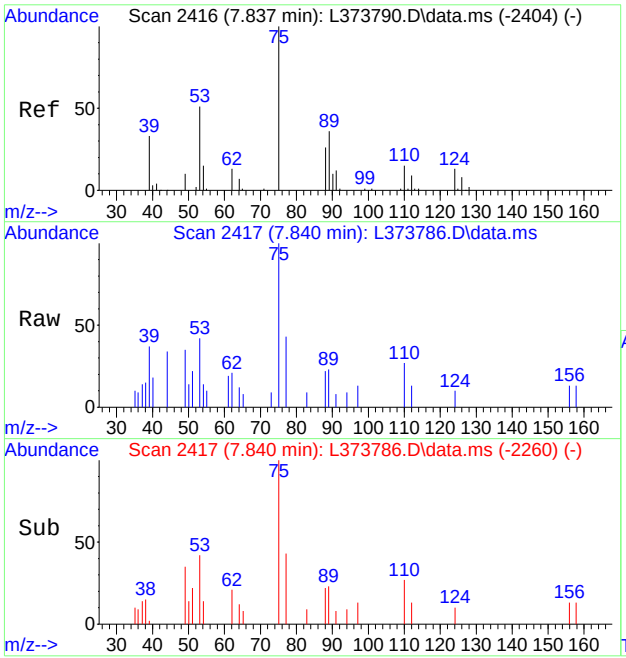


#99
1,1,2,2-tetrachloroethane
Concen: 2.52 ug/L
RT: 7.805 min Scan# 2406
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 83 Resp: 9934

Ion	Ratio	Lower	Upper
83	100		
131	7.8	0.0	38.9
85	56.0	33.3	93.3

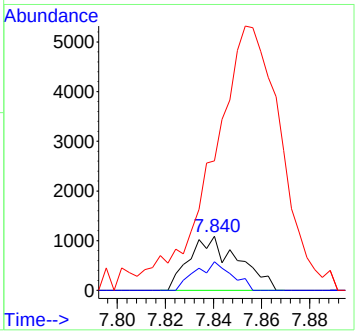


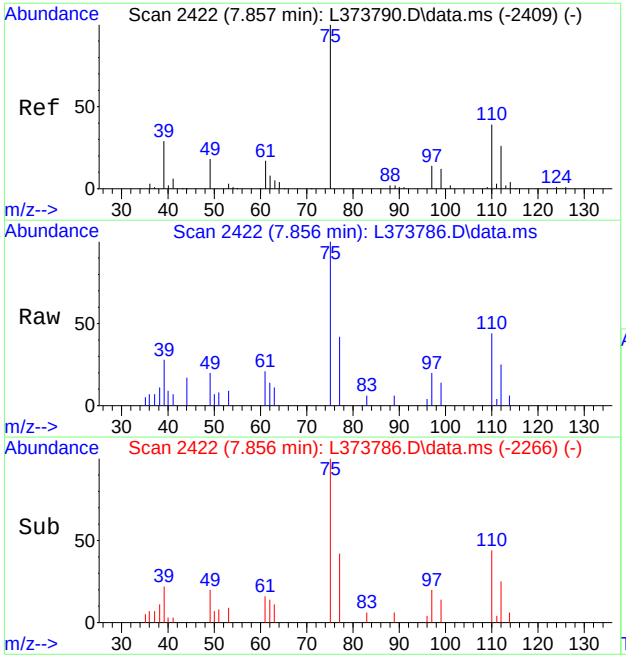


#100
trans-1,4-dichloro-2-butene
Concen: 1.86 ug/L
RT: 7.840 min Scan# 2417
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 53 Resp: 1542

Ion	Ratio	Lower	Upper
53	100		
88	52.9	21.0	81.0
75	174.5	165.8	225.8

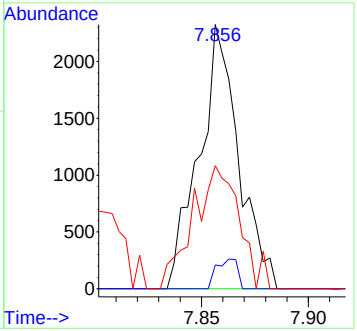


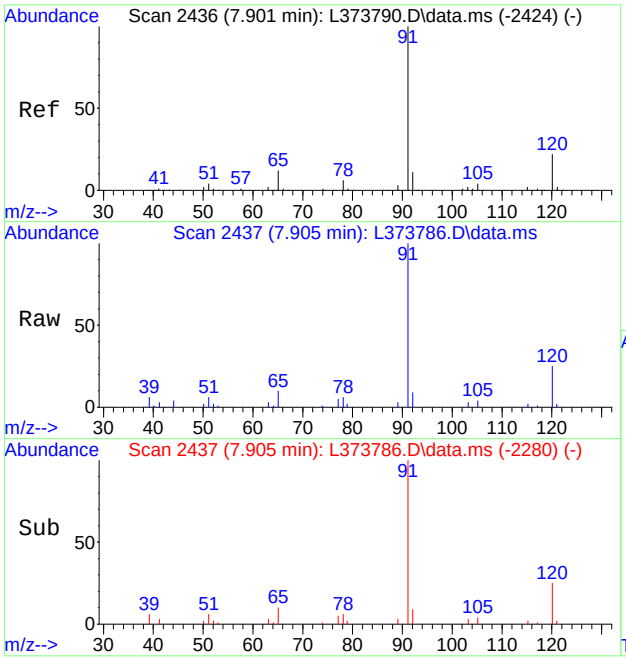


#101
1,2,3-trichloropropane
Concen: 2.56 ug/L
RT: 7.856 min Scan# 2422
Delta R.T. -0.000 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion:110 Resp: 3001

Ion	Ratio	Lower	Upper
110	100		
111	9.0	0.0	38.4
97	46.5	22.5	82.5

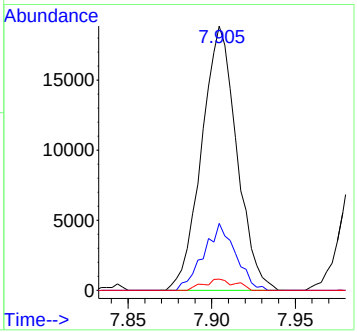


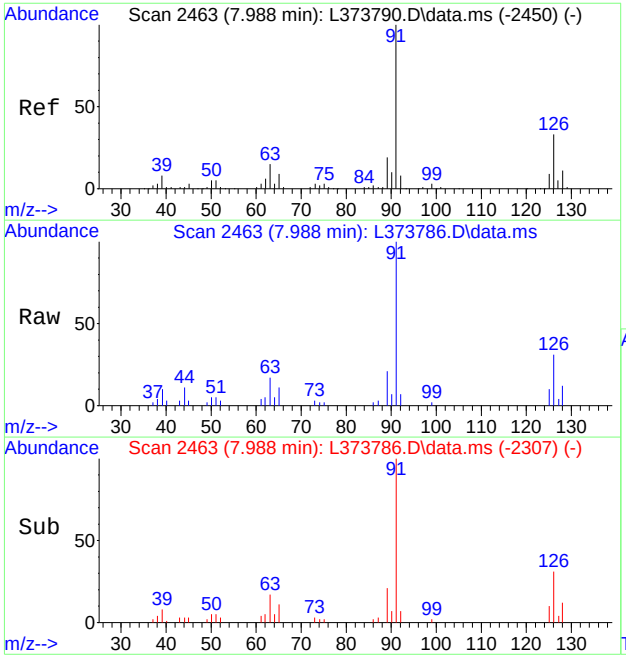


#102
n-propylbenzene
Concen: 2.23 ug/L
RT: 7.905 min Scan# 2437
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 91 Resp: 27517

Ion	Ratio	Lower	Upper
91	100		
120	25.4	0.0	51.5
105	4.2	0.0	33.7

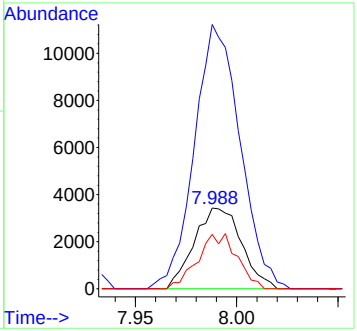


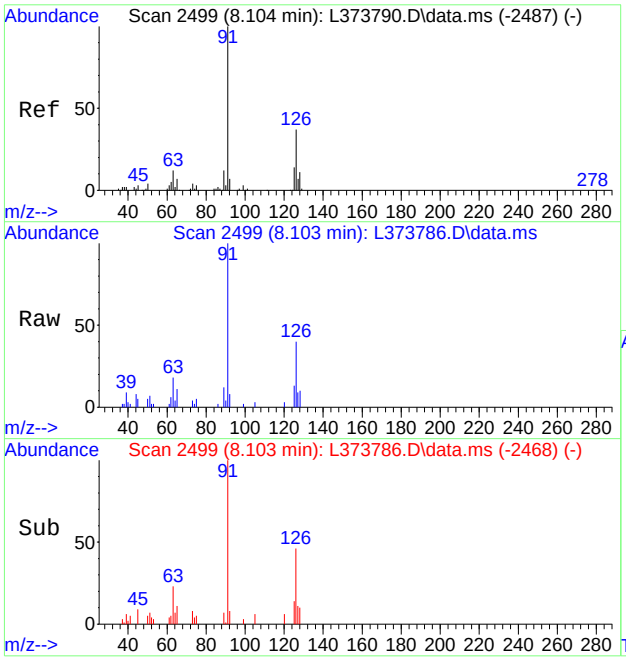


#103
2-chlorotoluene
Concen: 2.33 ug/L
RT: 7.988 min Scan# 2463
Delta R.T. -0.000 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion:126 Resp: 5585

Ion	Ratio	Lower	Upper
126	100		
91	321.7	276.4	336.4
89	67.3	28.8	88.8

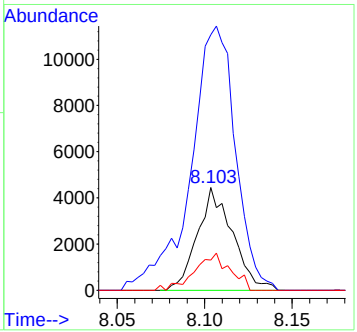


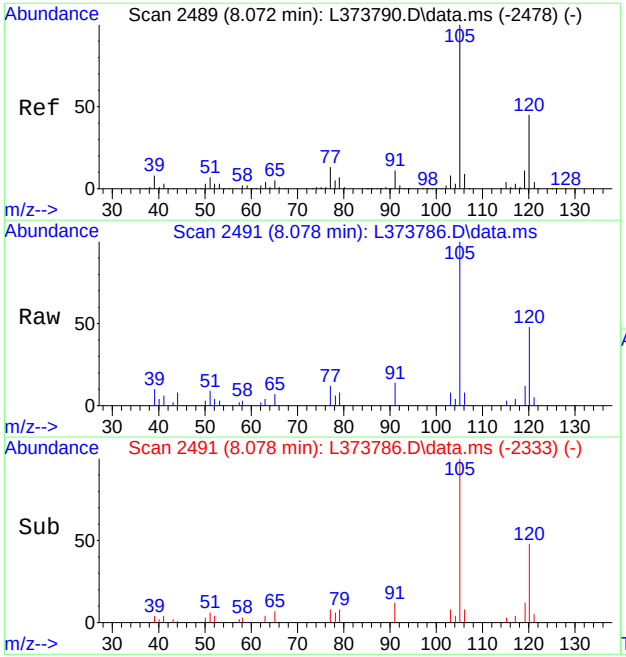


#104
4-chlorotoluene
Concen: 2.40 ug/L
RT: 8.103 min Scan# 2499
Delta R.T. -0.000 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion:126 Resp: 6224

Ion	Ratio	Lower	Upper
126	100		
91	248.5	265.5	325.5#
89	29.4	5.5	65.5

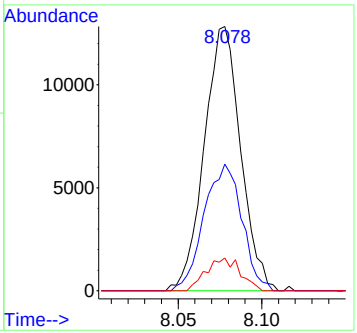


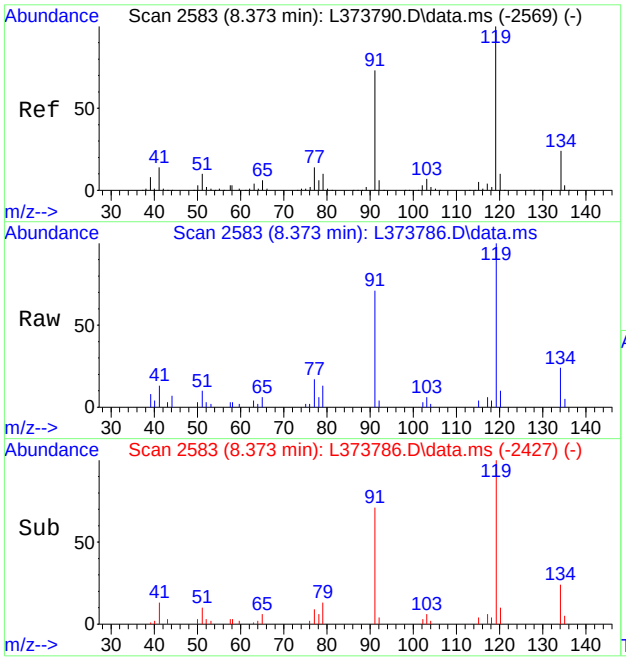


#105
1,3,5-trimethylbenzene
Concen: 2.25 ug/L
RT: 8.078 min Scan# 2491
Delta R.T. 0.006 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion:105 Resp: 19378

Ion	Ratio	Lower	Upper
105	100		
120	48.0	14.9	74.9
119	12.4	0.0	40.8

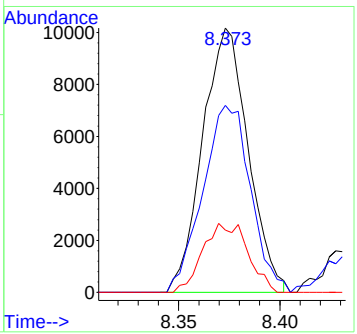


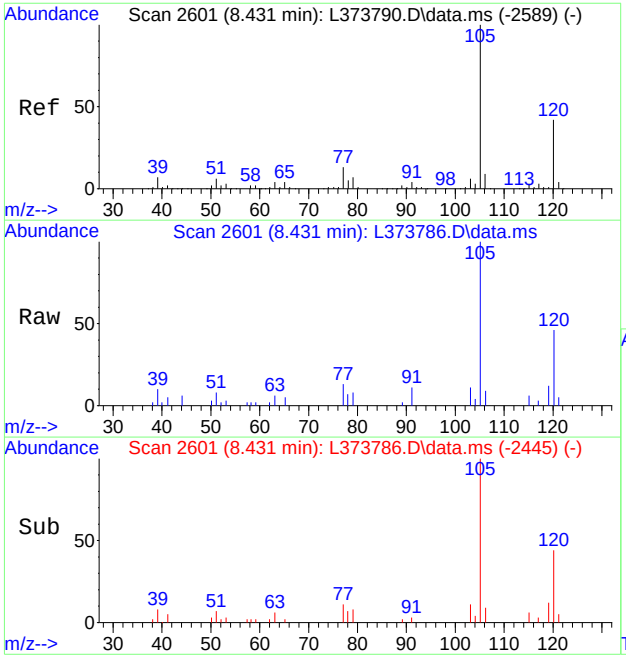


#106
tert-butylbenzene
Concen: 2.32 ug/L
RT: 8.373 min Scan# 2583
Delta R.T. -0.000 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion:119 Resp: 15917

Ion	Ratio	Lower	Upper
119	100		
91	70.7	42.9	102.9
134	23.5	0.0	54.4

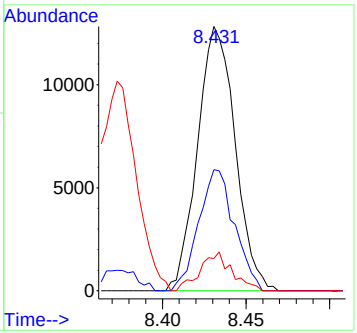


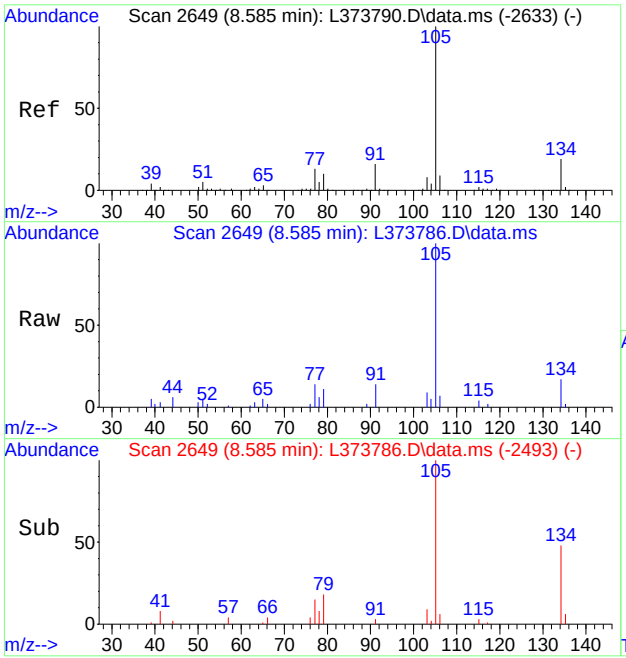


#107
1,2,4-trimethylbenzene
Concen: 2.34 ug/L
RT: 8.431 min Scan# 2601
Delta R.T. -0.000 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion:105 Resp: 20076

Ion	Ratio	Lower	Upper
105	100		
120	45.8	13.1	73.1
119	12.2	0.0	41.9

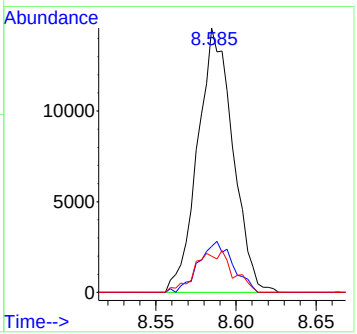


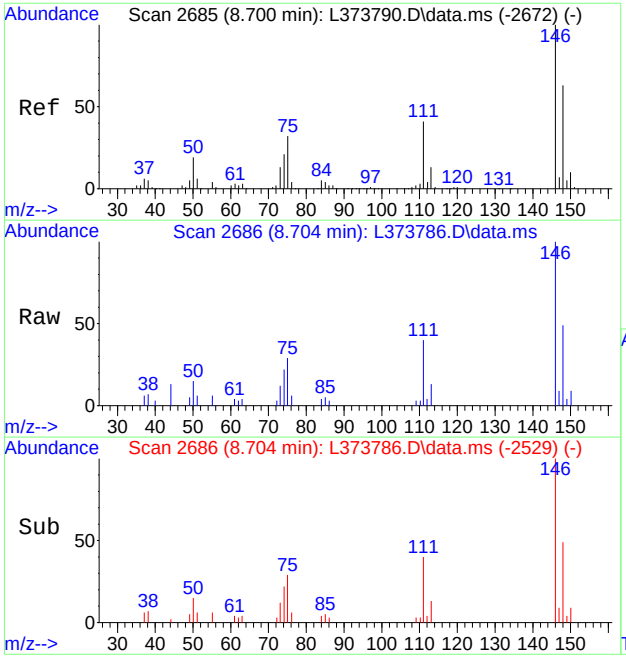


#108
sec-butylbenzene
Concen: 2.26 ug/L
RT: 8.585 min Scan# 2649
Delta R.T. -0.000 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion:105 Resp: 22250

Ion	Ratio	Lower	Upper
105	100		
134	17.4	0.0	48.8
91	13.7	0.0	45.9

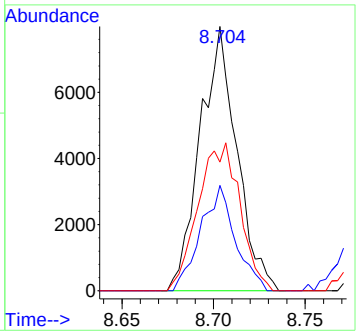


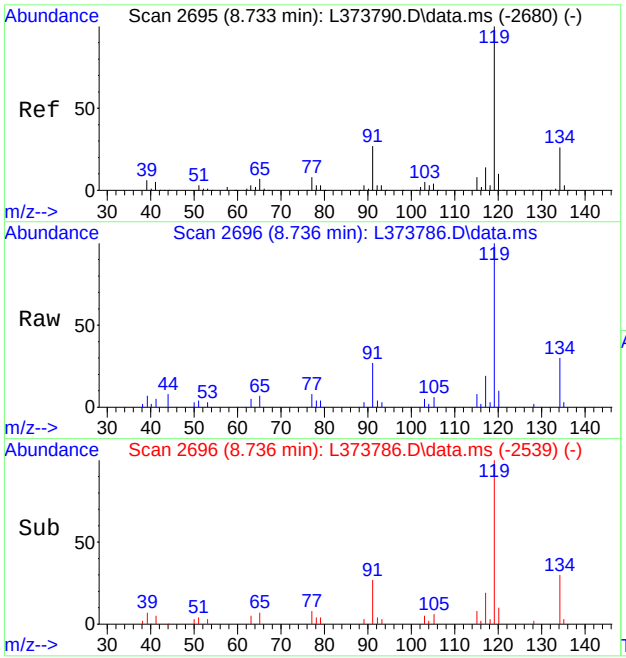


#109
1,3-dichlorobenzene
Concen: 2.31 ug/L
RT: 8.704 min Scan# 2686
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion:146 Resp: 11205

Ion	Ratio	Lower	Upper
146	100		
111	39.8	11.0	71.0
148	48.6	33.0	93.0

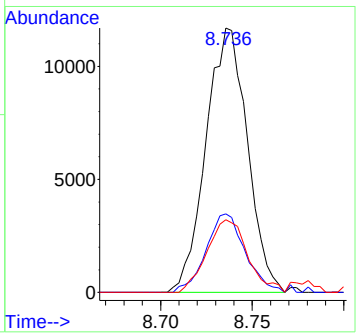


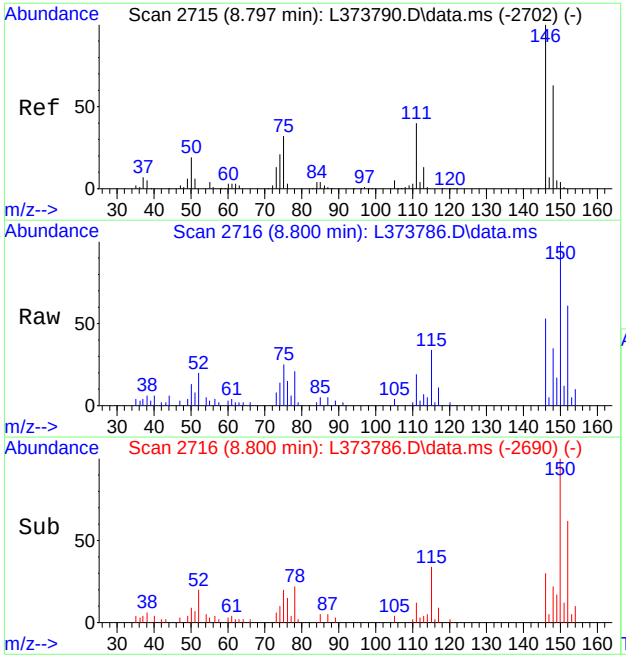


#110
p-isopropyltoluene
Concen: 2.29 ug/L
RT: 8.736 min Scan# 2696
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion:119 Resp: 18437

Ion	Ratio	Lower	Upper
119	100		
134	29.7	0.0	56.5
91	27.5	0.0	56.9

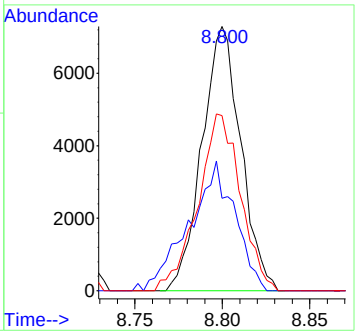


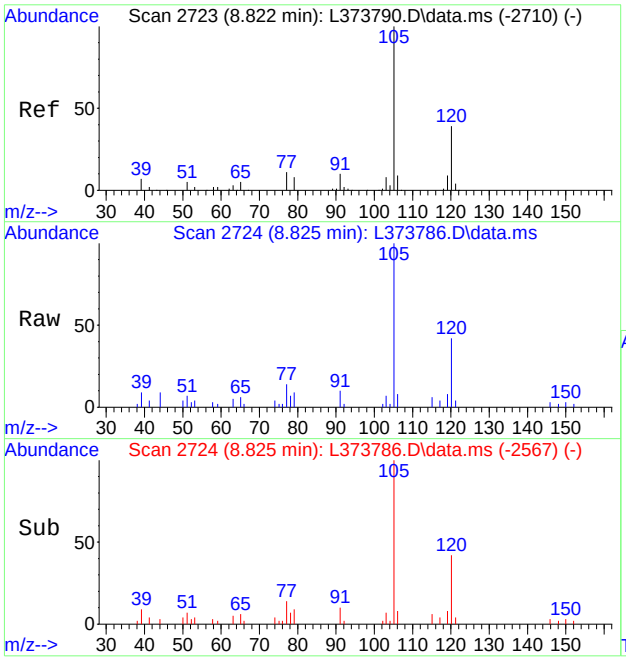


#111
1,4-dichlorobenzene
Concen: 2.19 ug/L
RT: 8.800 min Scan# 2716
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion:146 Resp: 11266

Ion	Ratio	Lower	Upper
146	100		
111	35.0	9.7	69.7
148	66.3	33.0	93.0

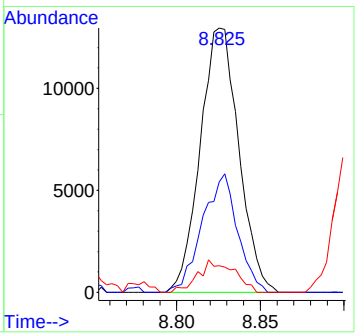


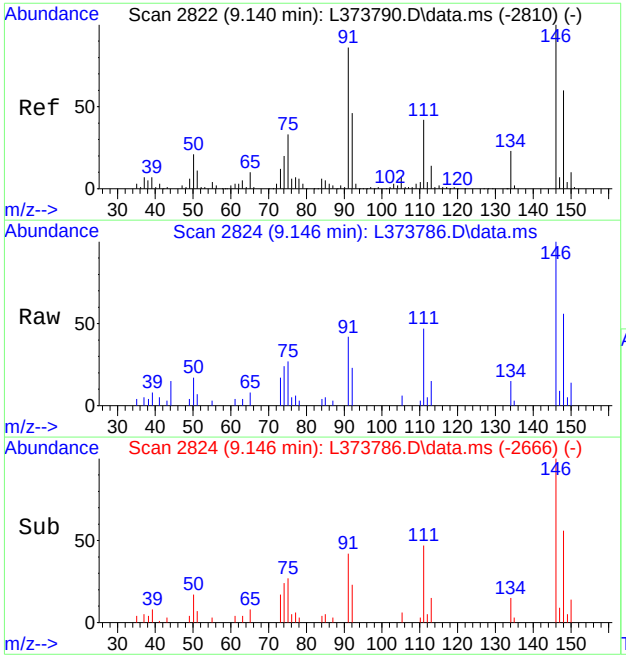


#112
1,2,3-trimethylbenzene
Concen: 2.19 ug/L
RT: 8.825 min Scan# 2724
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion:105 Resp: 20767

Ion	Ratio	Lower	Upper
105	100		
120	41.8	8.8	68.8
91	10.1	0.0	40.2

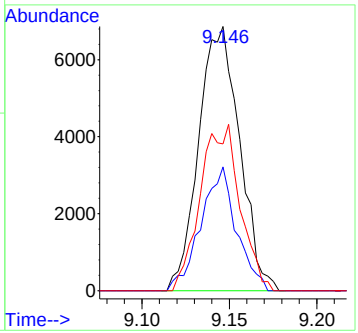


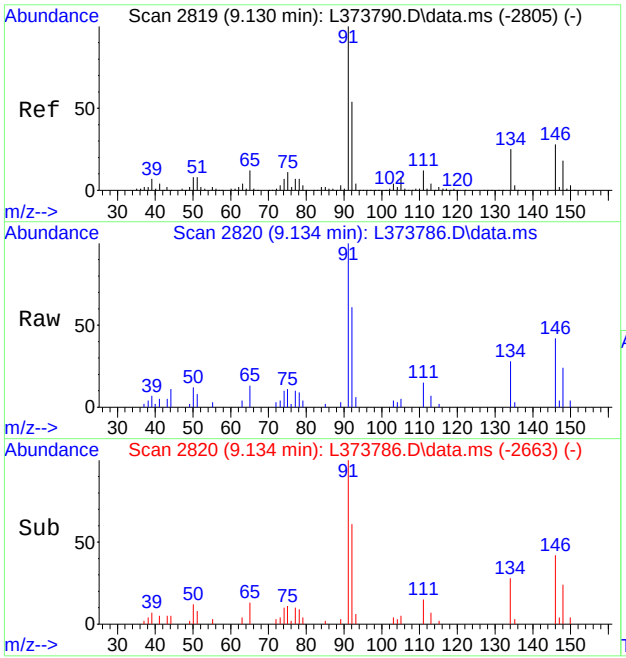


#113
1,2-dichlorobenzene
Concen: 2.46 ug/L
RT: 9.146 min Scan# 2824
Delta R.T. 0.006 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion:146 Resp: 11171

Ion	Ratio	Lower	Upper
146	100		
111	46.8	12.1	72.1
148	55.6	30.4	90.4

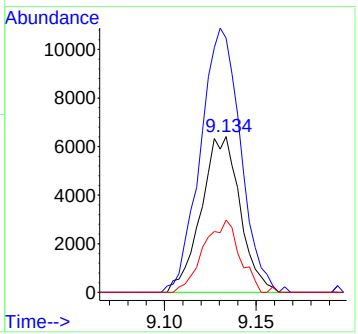


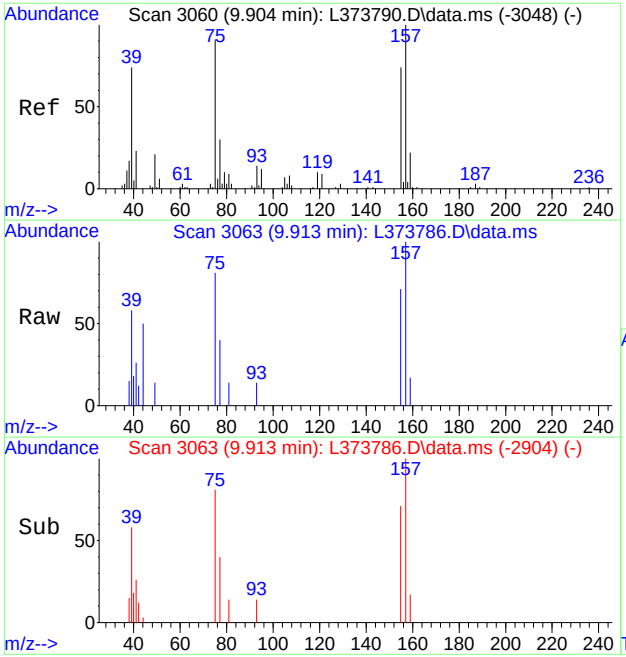


#114
n-butylbenzene
Concen: 2.40 ug/L
RT: 9.134 min Scan# 2820
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 92 Resp: 9480

Ion	Ratio	Lower	Upper
92	100		
91	163.2	155.4	215.4
134	46.4	15.6	75.6

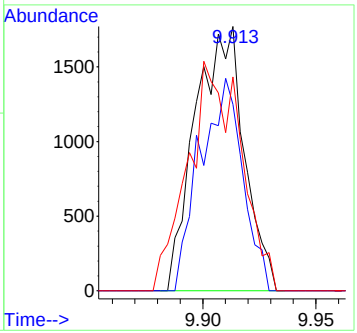


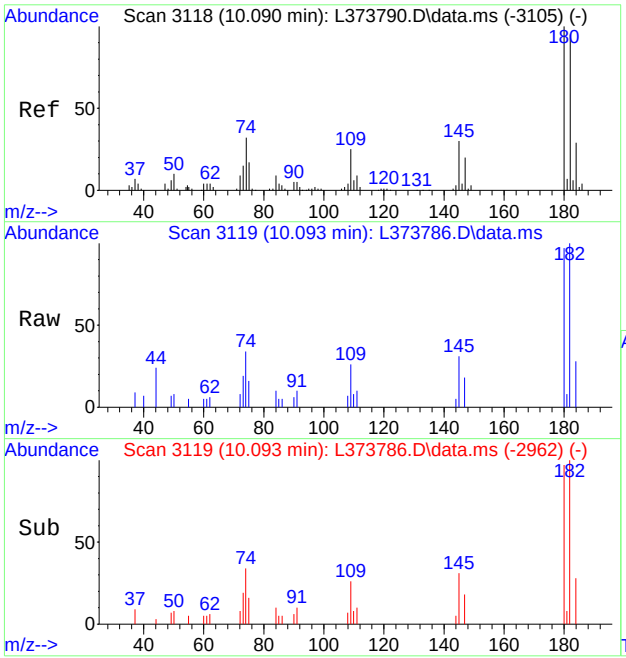


#115
1,2-dibromo-3-chloropropane
Concen: 2.60 ug/L
RT: 9.913 min Scan# 3063
Delta R.T. 0.009 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion:157 Resp: 2665

Ion	Ratio	Lower	Upper
157	100		
155	70.5	44.1	104.1
75	80.9	60.9	120.9

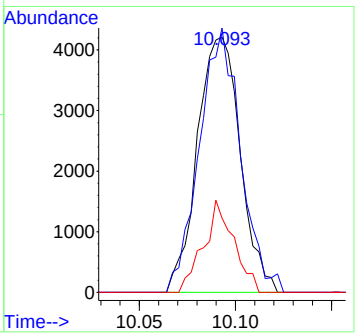


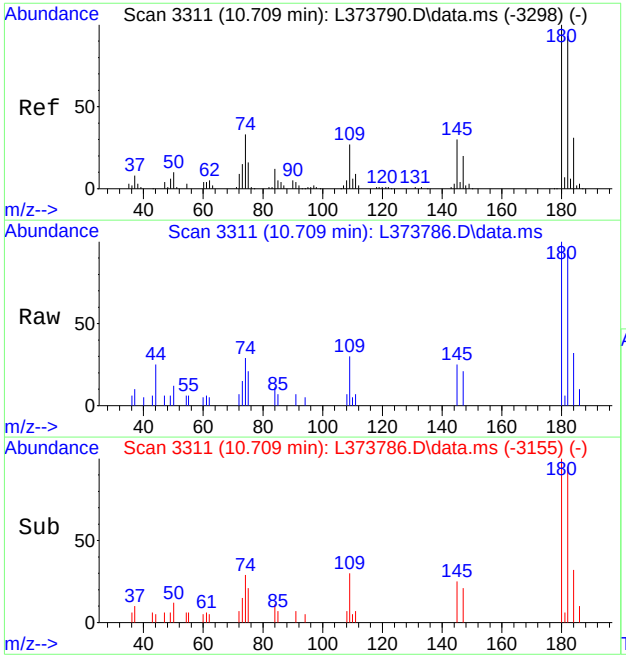


#116
1,3,5-trichlorobenzene
Concen: 2.27 ug/L
RT: 10.093 min Scan# 3119
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion:180 Resp: 6543

Ion	Ratio	Lower	Upper
180	100		
182	103.6	65.0	125.0
184	29.1	0.0	59.4

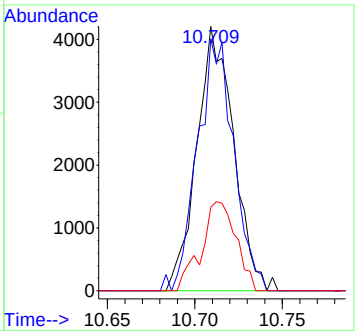


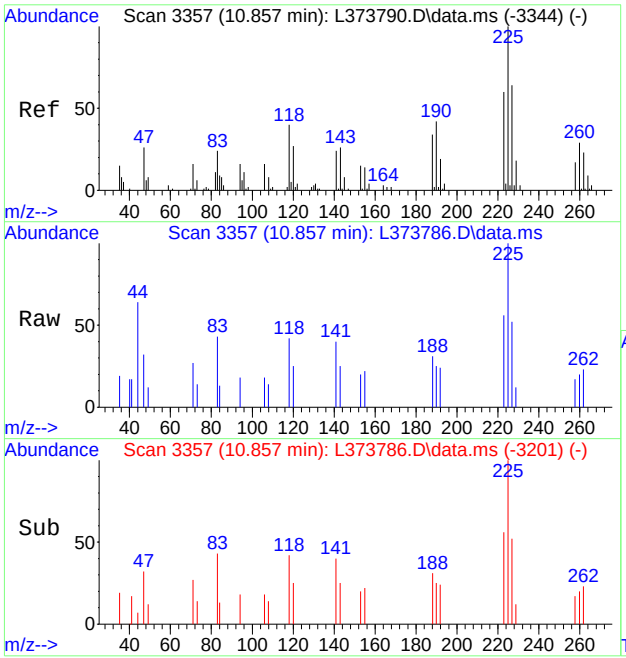


#117
1,2,4-trichlorobenzene
Concen: 2.45 ug/L
RT: 10.709 min Scan# 3311
Delta R.T. -0.000 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion:180 Resp: 6166

Ion	Ratio	Lower	Upper
180	100		
182	95.3	63.1	123.1
184	31.6	0.8	60.8

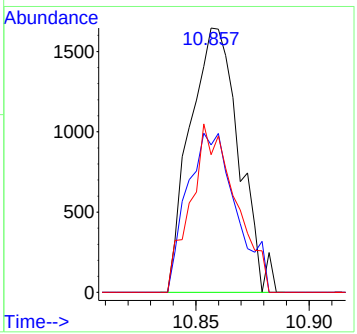


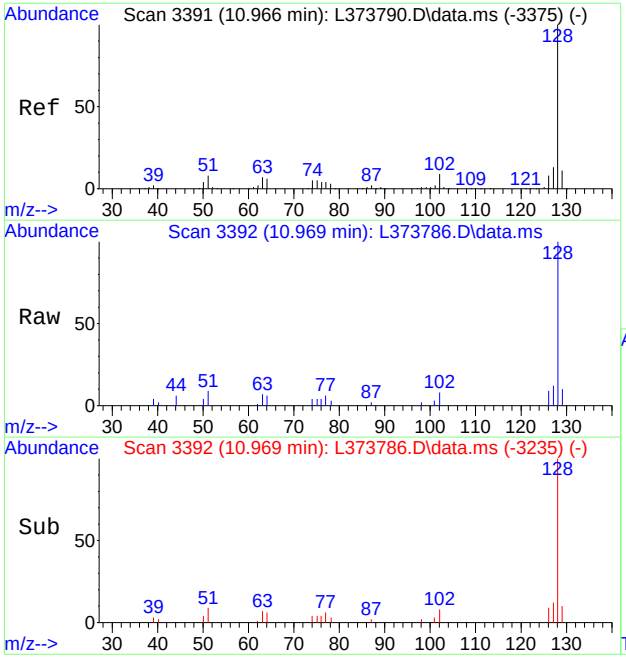


#118
hexachlorobutadiene
Concen: 2.74 ug/L
RT: 10.857 min Scan# 3357
Delta R.T. -0.000 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion:225 Resp: 2479

Ion	Ratio	Lower	Upper
225	100		
223	55.8	30.0	90.0
227	52.0	33.8	93.8

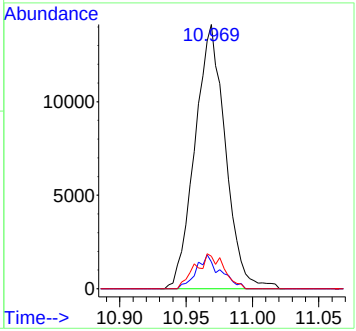


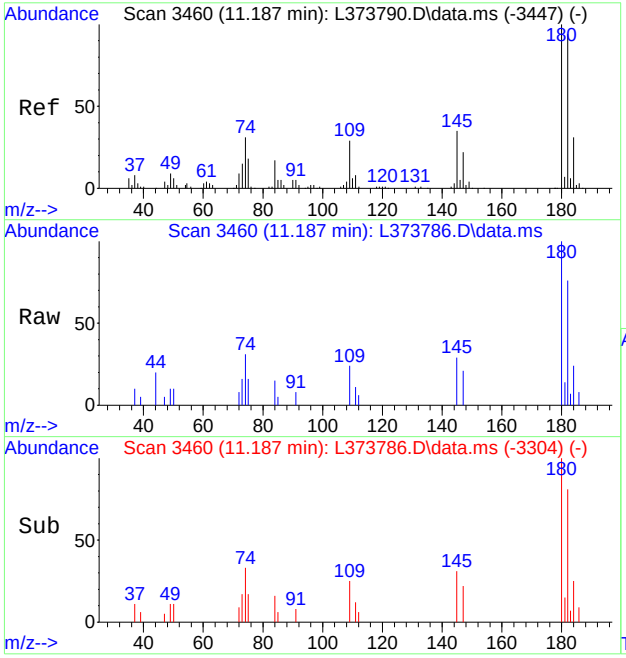


#119
naphthalene
Concen: 2.35 ug/L
RT: 10.969 min Scan# 3392
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion:128 Resp: 22561

Ion	Ratio	Lower	Upper
128	100		
129	10.2	0.0	41.1
127	12.3	0.0	42.9

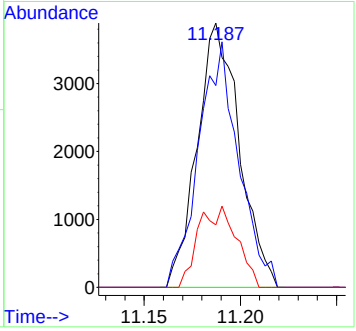


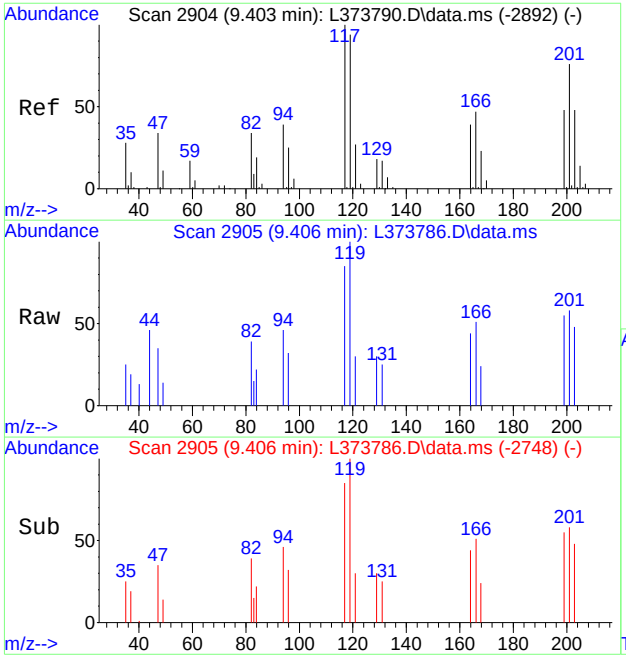


#120
1,2,3-trichlorobenzene
Concen: 2.43 ug/L
RT: 11.187 min Scan# 3460
Delta R.T. -0.000 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion:180 Resp: 5939

Ion	Ratio	Lower	Upper
180	100		
182	76.3	63.9	123.9
184	23.6	1.2	61.2

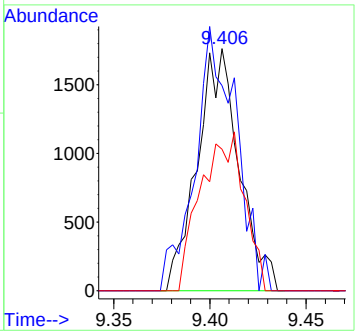


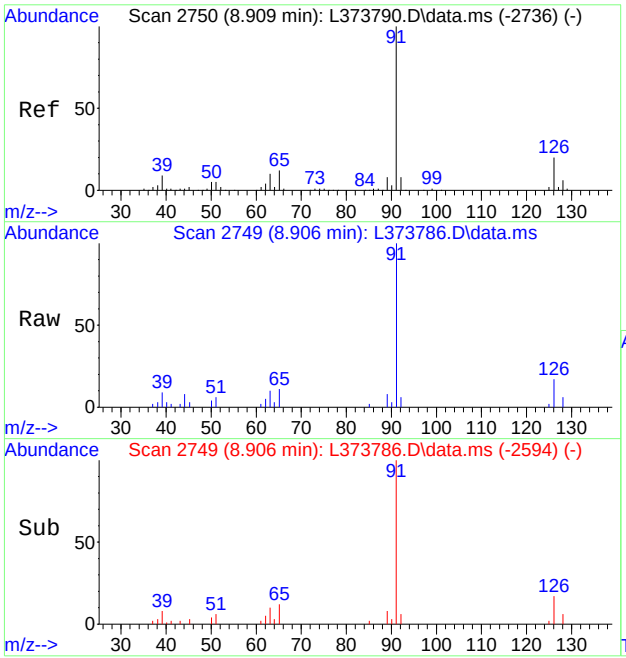


#121
hexachloroethane
Concen: 2.23 ug/L
RT: 9.406 min Scan# 2905
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion:119 Resp: 2689

Ion	Ratio	Lower	Upper
119	100		
117	84.8	76.2	136.2
201	58.4	51.2	111.2

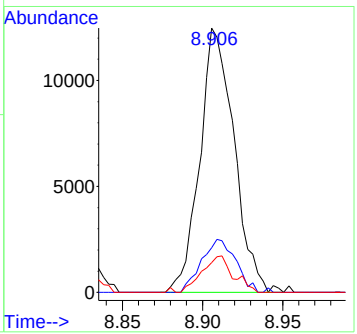


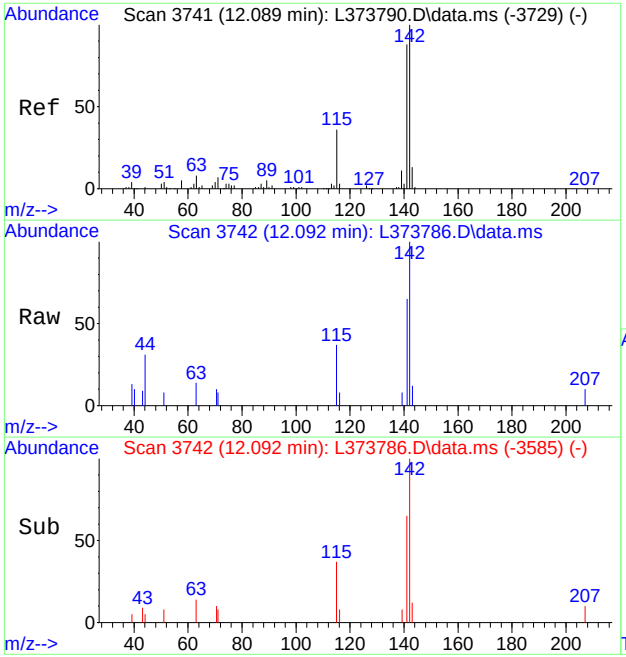


#122
benzyl chloride
Concen: 2.44 ug/L
RT: 8.906 min Scan# 2749
Delta R.T. -0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion: 91 Resp: 18543

Ion	Ratio	Lower	Upper
91	100		
126	16.9	0.0	49.8
65	11.3	0.0	41.8

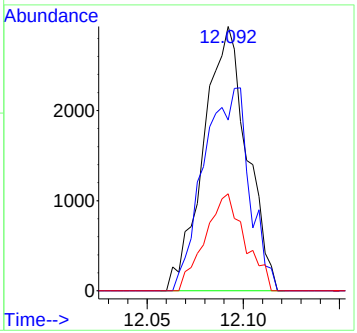




#123
2-methylnaphthalene
Concen: 1.26 ug/L
RT: 12.092 min Scan# 3742
Delta R.T. 0.003 min
Lab File: L373786.D
Acq: 16 Oct 2025 7:15 pm

Tgt Ion:142 Resp: 4593

Ion	Ratio	Lower	Upper
142	100		
141	64.5	68.0	108.0#
115	36.6	15.9	55.9



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 10/20/25 12:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373787.D
Acq On : 16 Oct 2025 7:41 pm
Operator : BridgetK
Sample : ic11472-4
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 17 10:09:16 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 10:02:15 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	2.613	65	263348	500.00	ug/L	0.00
5) pentafluorobenzene	3.759	168	239327	50.00	ug/L	0.00
51) 1,4-difluorobenzene	4.295	114	395136	50.00	ug/L	0.00
72) chlorobenzene-d5	6.615	117	313097	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	8.774	152	150324	50.00	ug/L	0.00
124) pentafluorobenzene(a)	3.759	168	239327	50.00	ug/L	0.00
131) 1,4-dichlorobenzene-d4(a)	8.774	152	150324	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	3.756	113	123563	49.31	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.62%			
52) 1,2-dichloroethane-d4 (s)	3.993	65	140945	48.78	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 97.56%			
73) toluene-d8 (s)	5.399	98	456454	50.79	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.58%			
97) 4-bromofluorobenzene (s)	7.680	95	159937	49.79	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.58%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.709	88	8297	106.7401	ug/L	95
3) ethanol	2.090	45	33245	417.4120	ug/L	94
4) tertiary butyl alcohol	2.665	59	18412	21.3223	ug/L	91
6) chlorodifluoromethane	1.365	51	15408	4.2968	ug/L	97
7) dichlorodifluoromethane	1.352	85	12870	3.6384	ug/L	97
8) chloromethane	1.484	50	11661	3.1642	ug/L	94
9) vinyl chloride	1.554	62	12135	3.4543	ug/L	93
10) 1,3-butadiene	1.580	54	13532	4.1632	ug/L	95
11) bromomethane	1.773	96	3095	3.4489	ug/L	86
12) chloroethane	1.843	64	5278	3.3636	ug/L	94
13) trichlorofluoromethane	2.004	101	15438	3.6197	ug/L	99
14) ethyl ether	2.167	74	6102	4.3231	ug/L	81
15) acrolein	2.260	56	2068	3.2462	ug/L	87
16) freon 113	2.324	151	7755	4.6120	ug/L #	75
17) 1,1-dichloroethene	2.328	96	9653	4.4423	ug/L	96
18) acetone	2.340	58	7291	16.1975	ug/L	86
19) acetonitrile	2.517	40	15464	49.6174	ug/L	87
20) iodomethane	2.427	142	4094	2.9234	ug/L	95
21) iso-butyl alcohol	3.906	43	14019	49.0683	ug/L	96
22) carbon disulfide	2.478	76	30936	4.3585	ug/L	99
23) methylene chloride	2.629	84	12288	4.3661	ug/L	94
24) methyl acetate	2.533	74	2749	3.7699	ug/L #	79
25) methyl tert butyl ether	2.787	73	30855	4.3979	ug/L	96
26) trans-1,2-dichloroethene	2.799	96	11040	4.4270	ug/L	98
27) hexane	2.966	57	13268	4.4618	ug/L	95
28) di-isopropyl ether	3.075	45	32997	4.4271	ug/L	92
29) ethyl tert-butyl ether	3.306	59	33328	4.4004	ug/L	97
30) 2-butanone	3.415	72	9499	18.2736	ug/L #	59
31) 1,1-dichloroethane	3.072	63	21201	4.5123	ug/L	99
32) chloroprene	3.117	53	16867	4.3781	ug/L	95
33) acrylonitrile	2.764	53	4609	3.2985	ug/L	94
34) vinyl acetate	3.056	86	2394	3.8628	ug/L #	92
35) ethyl acetate	3.438	45	2750	3.6783	ug/L #	57
36) 2,2-dichloropropane	3.444	77	18516	4.2784	ug/L	95
37) cis-1,2-dichloroethene	3.441	96	12511	4.5502	ug/L	96
38) propionitrile	3.464	54	32047	41.6604	ug/L	86
39) methyl acrylate	3.470	85	2332	4.1339	ug/L #	71
40) bromochloromethate	3.598	128	5766	4.8023	ug/L #	78

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373787.D
Acq On : 16 Oct 2025 7:41 pm
Operator : BridgetK
Sample : ic11472-4
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 17 10:09:16 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 10:02:15 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) tetrahydrofuran	3.605	72	2529	3.4818	ug/L		93
42) chloroform	3.653	83	23003	4.0292	ug/L		96
44) methacrylonitrile	3.563	67	6379	3.9530	ug/L		83
45) 1,1,1-trichloroethane	3.775	97	18633	4.5485	ug/L	#	1
46) cyclohexane	3.829	84	11786	3.2867	ug/L		99
47) 1,1-dichloropropene	3.881	75	14367	4.4852	ug/L		95
48) carbon tetrachloride	3.884	117	14403	4.3822	ug/L		93
49) isopropyl acetate	4.016	87	2881	3.7395	ug/L	#	66
50) tert amyl alcohol	3.990	55	6308	18.7974	ug/L	#	92
53) tert-amyl methyl ether	4.086	73	32706	4.3476	ug/L		93
54) 2,2,4-trimethylpentane	4.086	57	24424	4.4332	ug/L		94
55) n-butyl alcohol	4.369	56	50272	208.8663	ug/L		99
56) benzene	4.022	78	43752	4.1992	ug/L		96
57) heptane	4.202	57	5333	4.7530	ug/L		89
58) 1,2-dichloroethane	4.044	62	16814	4.2343	ug/L		97
59) trichloroethene	4.474	95	10637	4.2422	ug/L		87
60) ethyl acrylate	4.510	55	19359	4.0166	ug/L		98
61) 2-nitropropane	5.010	41	5810m	4.4157	ug/L		
62) 2-chloroethyl vinyl ether	5.055	63	18283	20.5117	ug/L		94
63) methyl methacrylate	4.677	100	3220	3.6540	ug/L	#	80
64) 1,2-dichloropropane	4.664	63	11296	4.3336	ug/L		96
65) methylcyclohexane	4.654	83	15114	4.5208	ug/L		94
66) dibromomethane	4.731	93	8182	4.4731	ug/L		96
67) bromodichloromethane	4.856	83	16290	4.3609	ug/L		100
68) cis-1,3-dichloropropene	5.180	75	17049	4.0416	ug/L		97
69) epichlorohydrin	5.100	57	10839	19.1639	ug/L		90
70) 4-methyl-2-pentanone	5.286	58	27695	16.0499	ug/L		98
71) 3-methyl-1-butanol	5.322	70	19484	87.2929	ug/L		93
74) toluene	5.453	92	26498	4.0451	ug/L		96
75) trans-1,3-dichloropropene	5.630	75	16631	4.2048	ug/L		97
76) ethyl methacrylate	5.658	69	17010	4.0021	ug/L		97
77) 1,1,2-trichloroethane	5.796	83	8940	4.2149	ug/L		85
78) 2-hexanone	5.963	58	31426	16.4717	ug/L		93
79) tetrachloroethene	5.873	166	11378	4.4881	ug/L		95
80) 1,3-dichloropropane	5.934	76	17743	4.3775	ug/L		96
81) butyl acetate	6.053	56	10272	4.0460	ug/L		94
82) dibromochloromethane	6.111	129	11966	4.3064	ug/L		92
83) 1,2-dibromoethane	6.217	107	11151	4.3423	ug/L		91
84) n-butyl ether	6.714	57	46781	4.2649	ug/L		95
85) chlorobenzene	6.640	112	29227	4.2678	ug/L		95
86) 1,1,1,2-tetrachloroethane	6.714	131	9839	4.5161	ug/L		94
87) ethylbenzene	6.721	91	51207	4.3815	ug/L		98
88) m,p-xylene	6.839	106	40081	8.7818	ug/L		92
89) o-xylene	7.183	106	19129	4.2411	ug/L		92
90) butyl acrylate	7.128	55	27925	4.0420	ug/L		94
91) styrene	7.202	104	32111	4.3297	ug/L		97
92) bromoform	7.366	173	8145	4.1075	ug/L		96
93) n-amyl acetate	7.330	70	10646	4.1272	ug/L		96
94) isopropylbenzene	7.513	105	45913	4.2985	ug/L		96
95) cis-1,4-dichloro-2-butene	7.574	88	3181	3.5991	ug/L		93
98) bromobenzene	7.812	156	11516	4.3022	ug/L		87
99) 1,1,2,2-tetrachloroethane	7.808	83	17803	4.2569	ug/L		89
100) trans-1,4-dichloro-2-b...	7.837	53	2823	3.5353	ug/L	#	70
101) 1,2,3-trichloropropane	7.863	110	5170	4.0435	ug/L		91
102) n-propylbenzene	7.905	91	56367	4.4567	ug/L		95
103) 2-chlorotoluene	7.988	126	11168	4.4886	ug/L		97
104) 4-chlorotoluene	8.104	126	11412	4.2055	ug/L		92
105) 1,3,5-trimethylbenzene	8.078	105	38702	4.3701	ug/L		93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373787.D
Acq On : 16 Oct 2025 7:41 pm
Operator : BridgetK
Sample : ic11472-4
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 17 10:09:16 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 10:02:15 2025
Response via : Initial Calibration

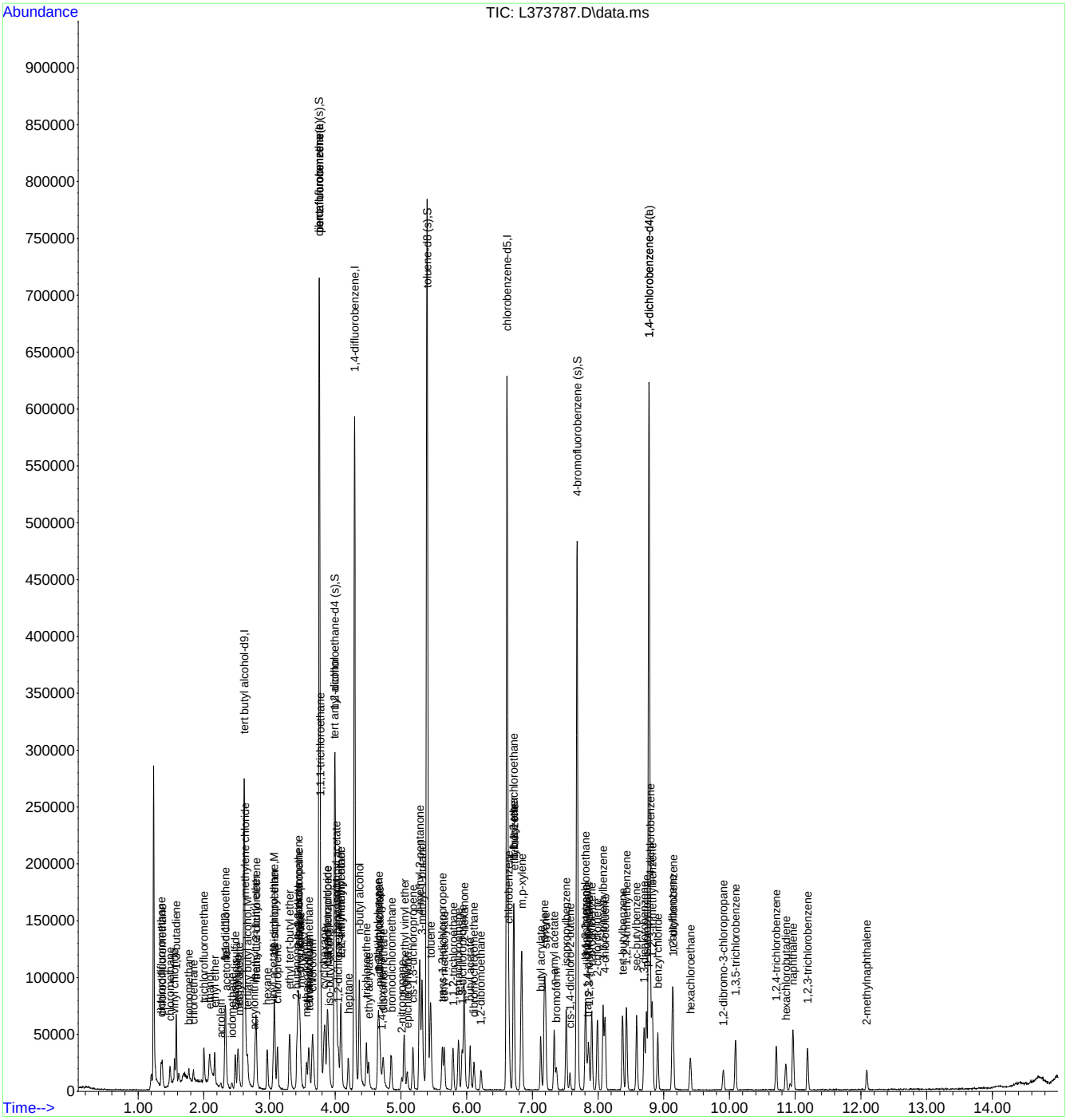
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
106) tert-butylbenzene	8.376	119	30733	4.3195	ug/L	98
107) 1,2,4-trimethylbenzene	8.434	105	38641	4.3328	ug/L	96
108) sec-butylbenzene	8.585	105	43801	4.3205	ug/L	97
109) 1,3-dichlorobenzene	8.701	146	20891	4.1593	ug/L	97
110) p-isopropyltoluene	8.736	119	36883	4.4357	ug/L	97
111) 1,4-dichlorobenzene	8.797	146	21827	4.1568	ug/L	92
112) 1,2,3-trimethylbenzene	8.826	105	41398	4.2797	ug/L	87
113) 1,2-dichlorobenzene	9.143	146	20637	4.3063	ug/L	92
114) n-butylbenzene	9.131	92	17969	4.3501	ug/L	98
115) 1,2-dibromo-3-chloropr...	9.904	157	4910	4.4646	ug/L	78
116) 1,3,5-trichlorobenzene	10.090	180	12836	4.3128	ug/L	94
117) 1,2,4-trichlorobenzene	10.709	180	11284	4.2613	ug/L	94
118) hexachlorobutadiene	10.860	225	4395	4.4619	ug/L	87
119) naphthalene	10.966	128	41187	4.1180	ug/L	97
120) 1,2,3-trichlorobenzene	11.187	180	10870	4.2281	ug/L	99
121) hexachloroethane	9.406	119	5060	4.0907	ug/L	97
122) benzyl chloride	8.909	91	33873	4.2355	ug/L	97
123) 2-methylnaphthalene	12.089	142	8308	2.1459	ug/L	93

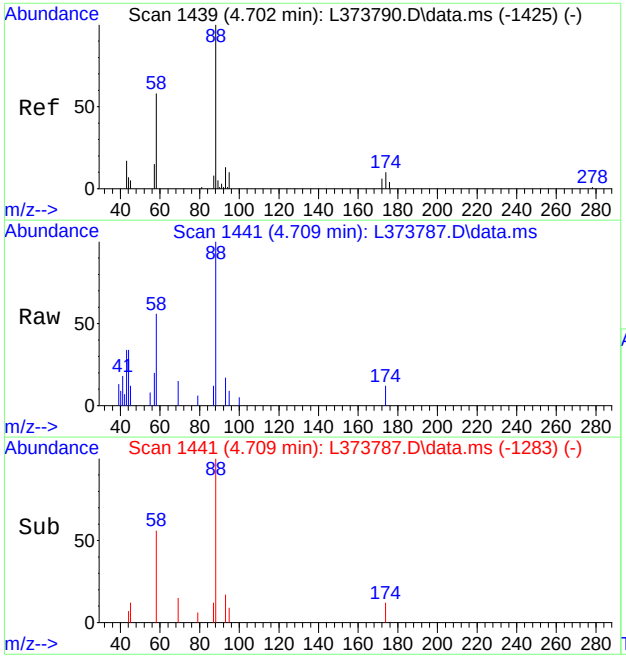
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373787.D
Acq On : 16 Oct 2025 7:41 pm
Operator : BridgetK
Sample : ic11472-4
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 17 10:09:16 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 10:02:15 2025
Response via : Initial Calibration

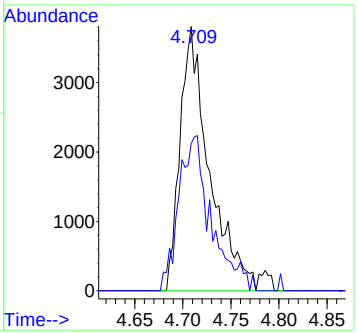


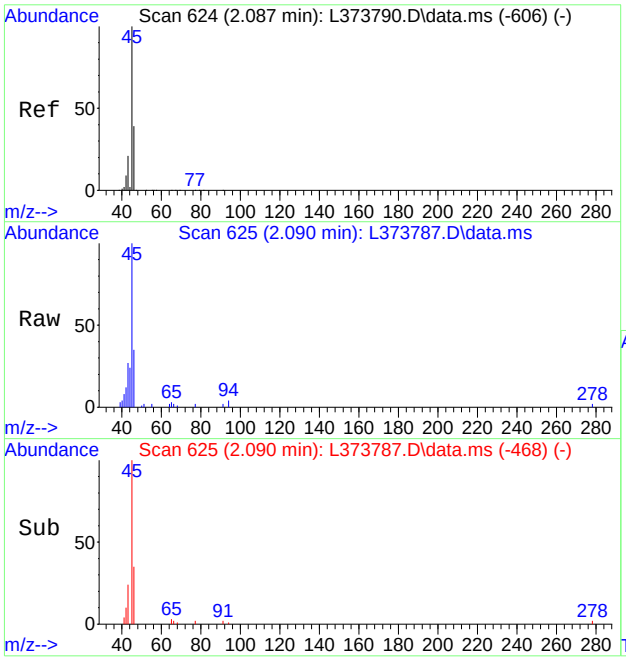


#2
1,4-dioxane
Concen: 106.74 ug/L
RT: 4.709 min Scan# 1441
Delta R.T. 0.006 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 88 Resp: 8297

Ion	Ratio	Lower	Upper
88	100		
58	55.7	29.1	89.1

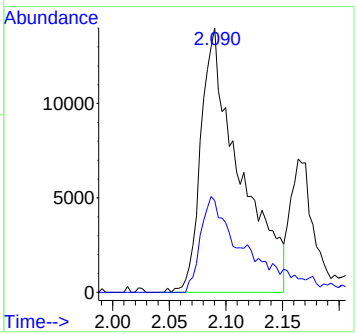


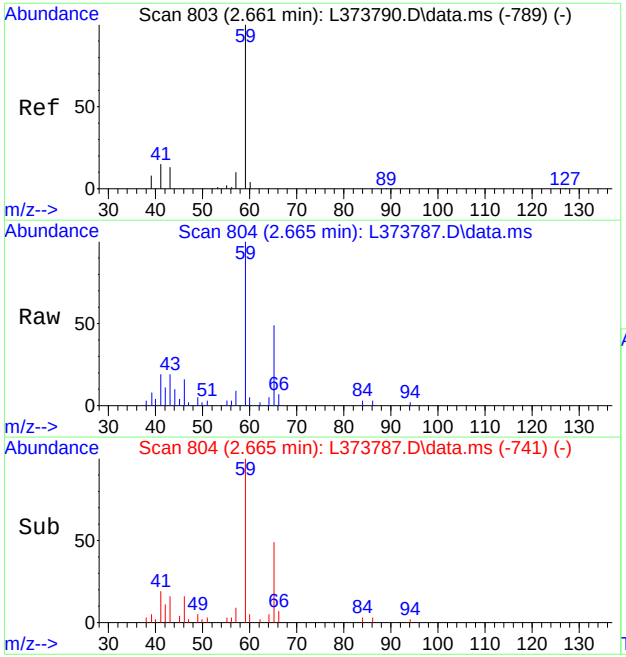


#3
ethanol
Concen: 417.41 ug/L
RT: 2.090 min Scan# 625
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 45 Resp: 33245

Ion	Ratio	Lower	Upper
45	100		
46	34.7	18.6	58.6

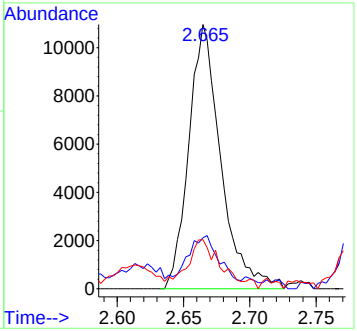


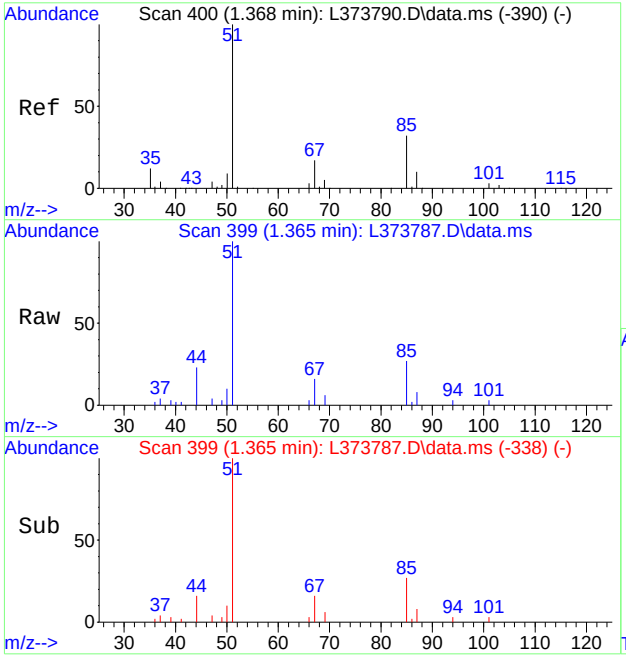


#4
tertiary butyl alcohol
Concen: 21.32 ug/L
RT: 2.665 min Scan# 804
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 59 Resp: 18412

Ion	Ratio	Lower	Upper
59	100		
41	17.5	0.0	45.3
43	18.5	0.0	43.5

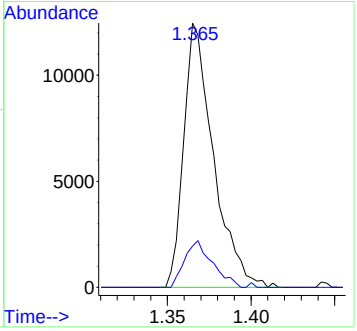


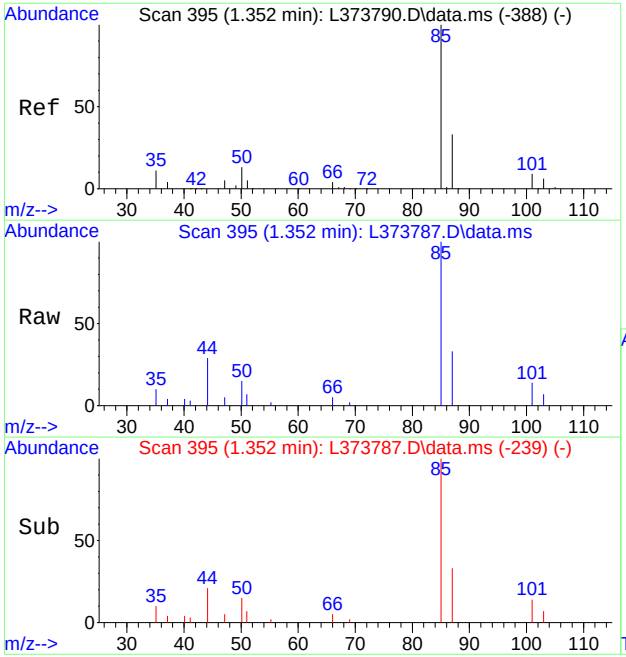


#6
chlorodifluoromethane
Concen: 4.30 ug/L
RT: 1.365 min Scan# 399
Delta R.T. -0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 51 Resp: 15408

Ion	Ratio	Lower	Upper
51	100		
67	15.6	0.0	37.0

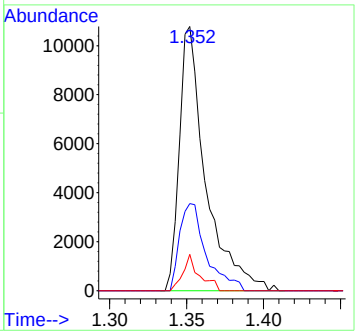


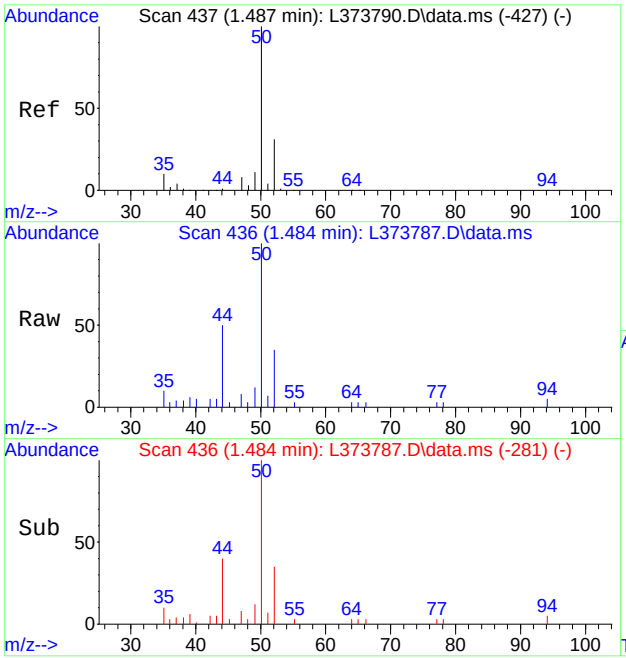


#7
dichlorodifluoromethane
Concen: 3.64 ug/L
RT: 1.352 min Scan# 395
Delta R.T. 0.000 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 85 Resp: 12870

Ion	Ratio	Lower	Upper
85	100		
87	33.0	2.8	62.8
101	13.8	0.0	38.9

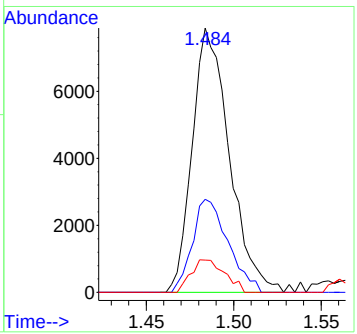


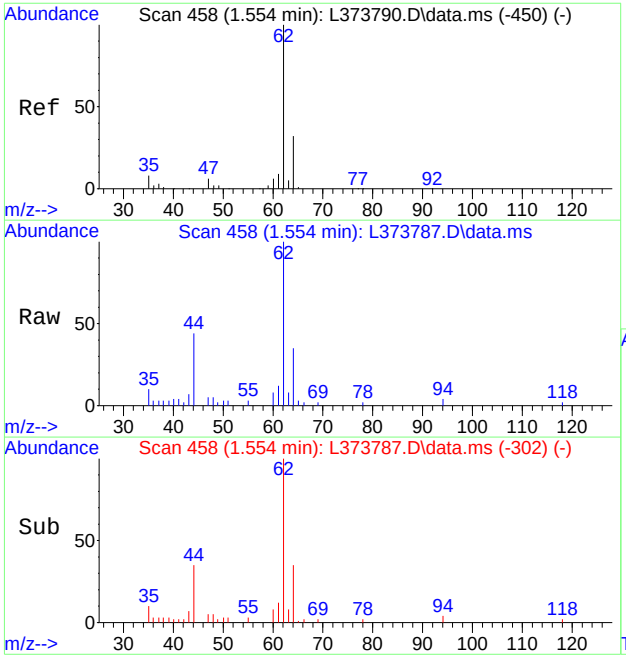


#8
chloromethane
Concen: 3.16 ug/L
RT: 1.484 min Scan# 436
Delta R.T. -0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 50 Resp: 11661

Ion	Ratio	Lower	Upper
50	100		
52	35.2	1.5	61.5
49	12.2	0.0	41.1

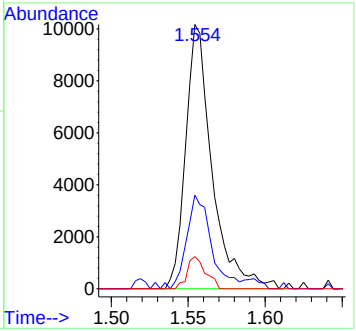


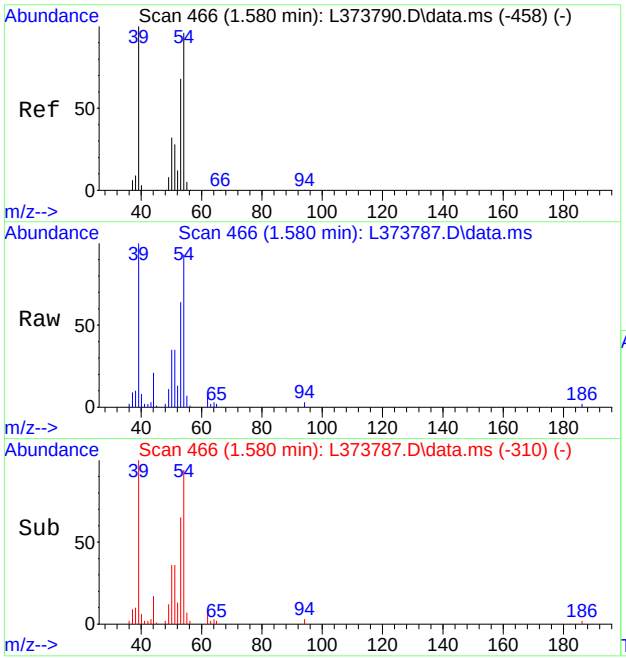


#9
vinyl chloride
Concen: 3.45 ug/L
RT: 1.554 min Scan# 458
Delta R.T. 0.000 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 62 Resp: 12135

Ion	Ratio	Lower	Upper
62	100		
64	35.4	2.2	62.2
61	12.2	0.0	38.5

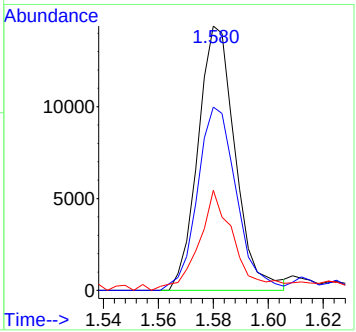


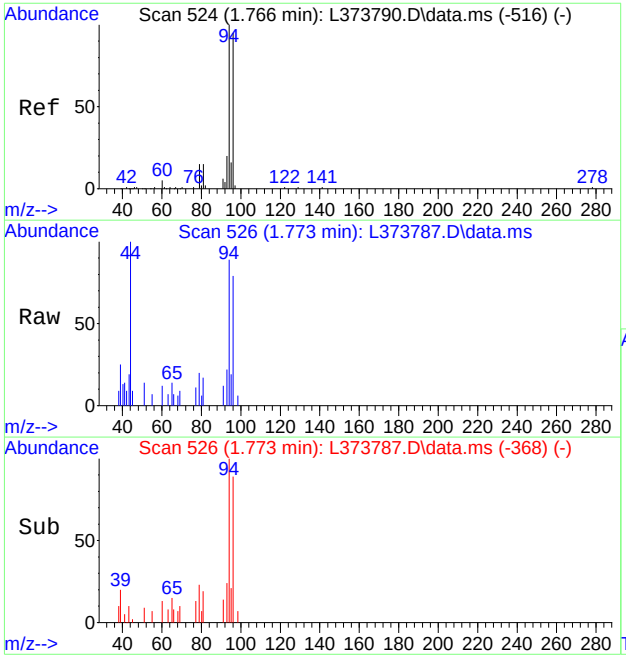


#10
1,3-butadiene
Concen: 4.16 ug/L
RT: 1.580 min Scan# 466
Delta R.T. 0.000 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 54 Resp: 13532

Ion	Ratio	Lower	Upper
54	100		
53	69.3	40.7	100.7
51	36.3	0.0	59.5

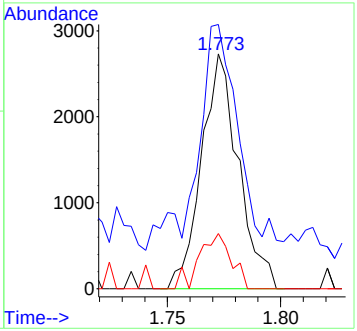


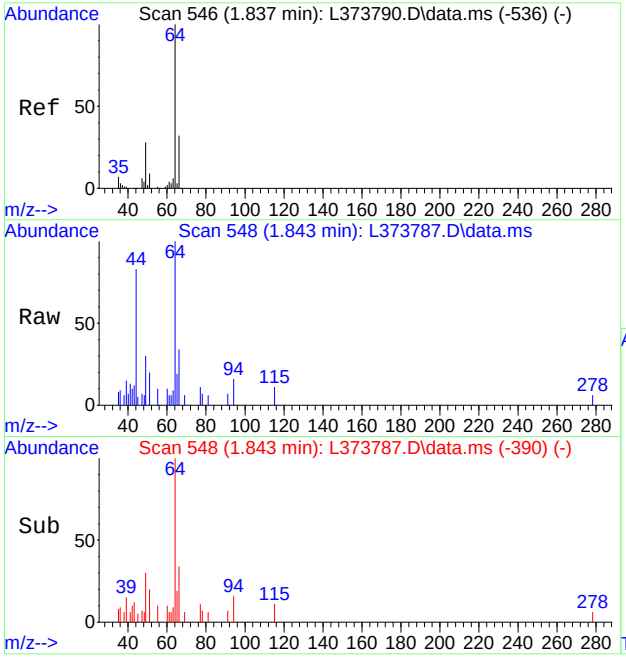


#11
bromomethane
Concen: 3.45 ug/L
RT: 1.773 min Scan# 526
Delta R.T. 0.006 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 96 Resp: 3095

Ion	Ratio	Lower	Upper
96	100		
94	92.6	76.7	136.7
95	23.6	0.0	46.3

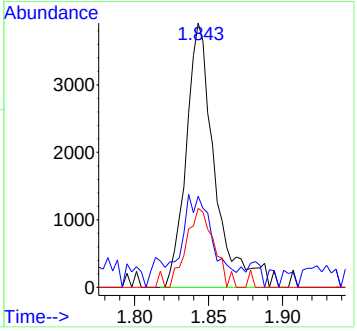


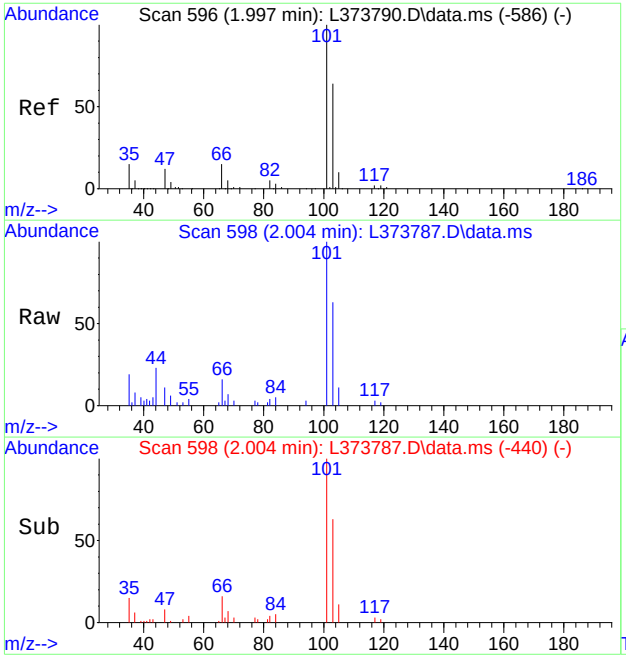


#12
chloroethane
Concen: 3.36 ug/L
RT: 1.843 min Scan# 548
Delta R.T. 0.006 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 64 Resp: 5278

Ion	Ratio	Lower	Upper
64	100		
66	28.0	1.8	61.8
49	29.9	0.0	57.7

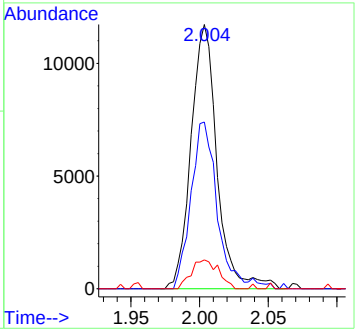


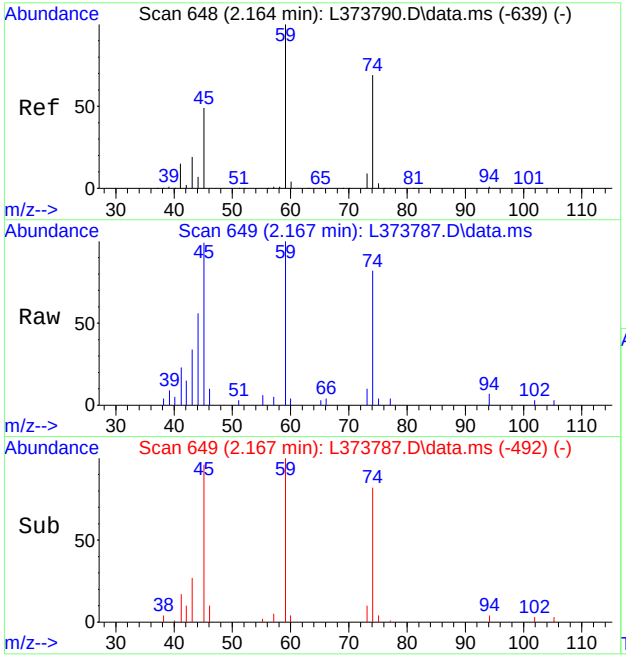


#13
trichlorofluoromethane
Concen: 3.62 ug/L
RT: 2.004 min Scan# 598
Delta R.T. 0.006 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion:101 Resp: 15438

Ion	Ratio	Lower	Upper
101	100		
103	63.1	33.8	93.8
105	10.9	0.0	40.0

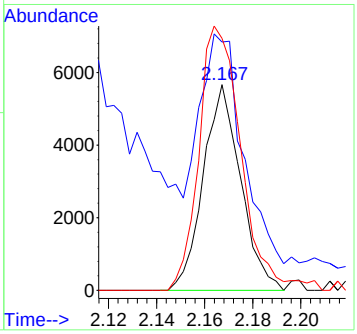


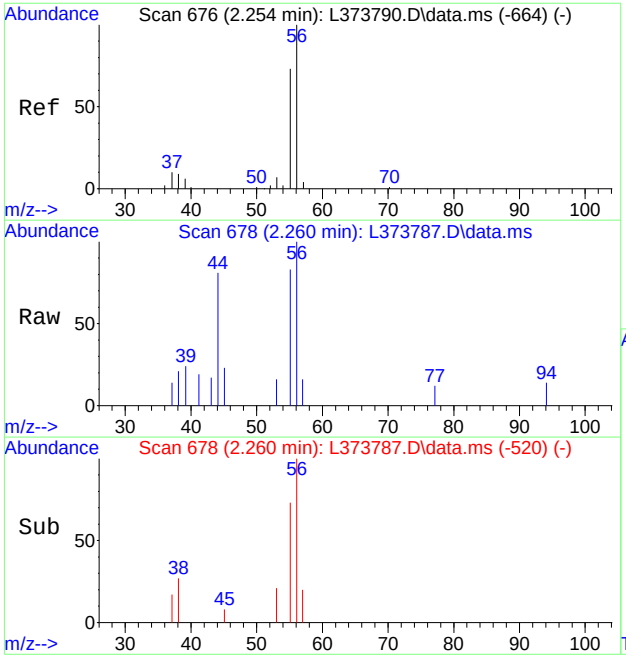


#14
ethyl ether
Concen: 4.32 ug/L
RT: 2.167 min Scan# 649
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 74 Resp: 6102

Ion	Ratio	Lower	Upper
74	100		
45	107.8	102.0	162.0
59	122.6	114.2	174.2

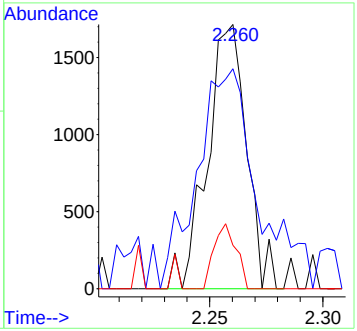


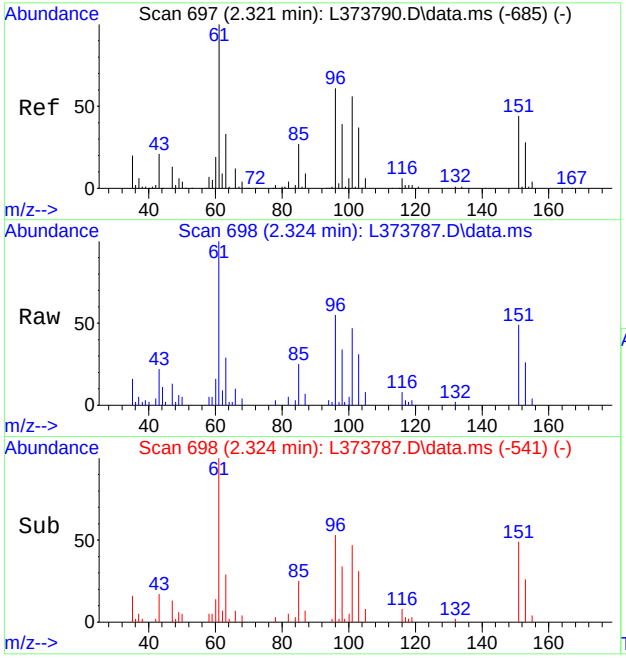


#15
acrolein
Concen: 3.25 ug/L
RT: 2.260 min Scan# 678
Delta R.T. 0.006 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 56 Resp: 2068

Ion	Ratio	Lower	Upper
56	100		
55	83.2	42.9	102.9
53	16.4	0.0	38.0

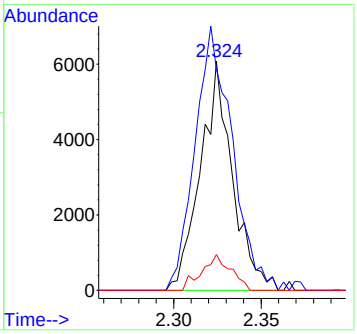


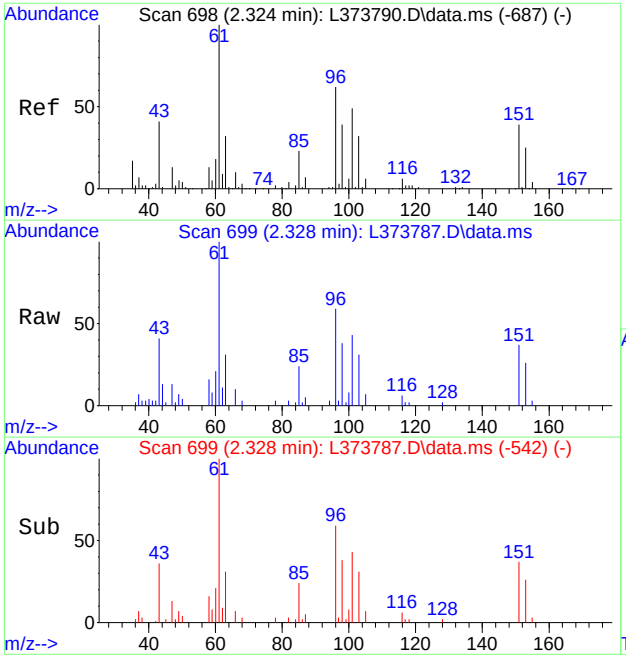


#16
freon 113
Concen: 4.61 ug/L
RT: 2.324 min Scan# 698
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion:151 Resp: 7755

Ion	Ratio	Lower	Upper
151	100		
101	96.5	107.4	147.4#
116	15.6	0.0	33.9

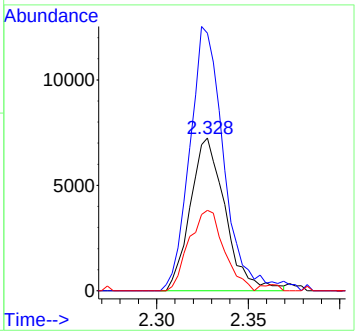


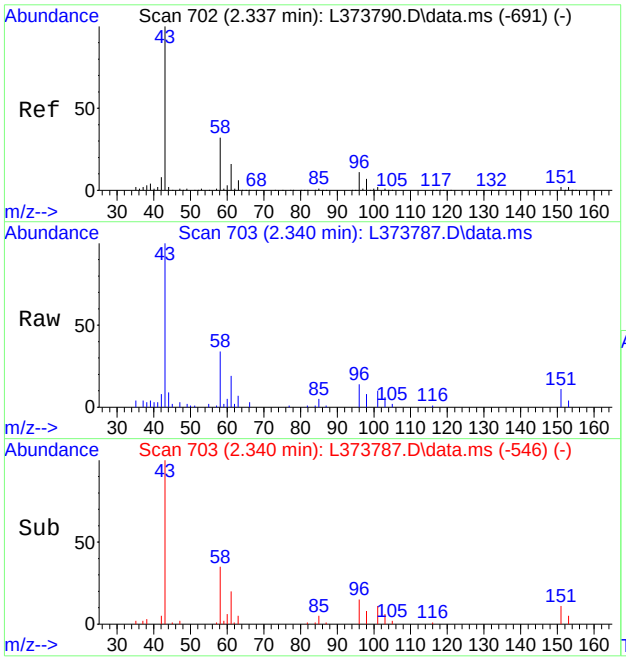


#17
1,1-dichloroethene
Concen: 4.44 ug/L
RT: 2.328 min Scan# 699
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 96 Resp: 9653

Ion	Ratio	Lower	Upper
96	100		
61	168.8	131.4	191.4
63	52.8	22.3	82.3

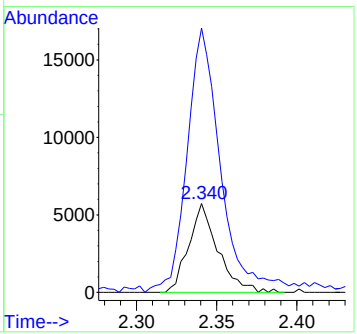


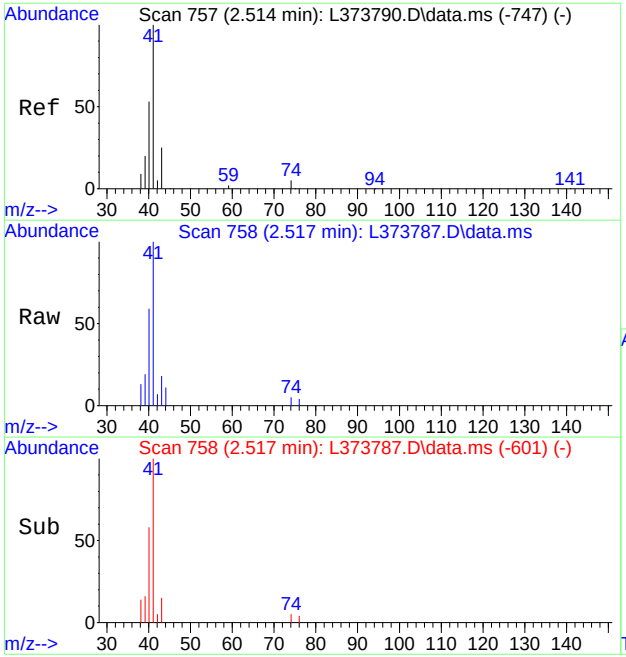


#18
acetone
Concen: 16.20 ug/L
RT: 2.340 min Scan# 703
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 58 Resp: 7291

Ion	Ratio	Lower	Upper
58	100		
43	288.6	286.5	346.5

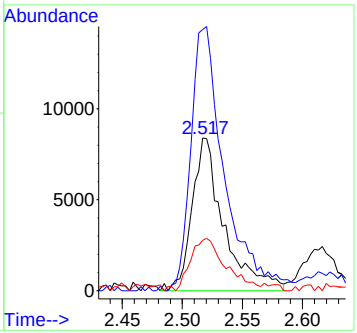


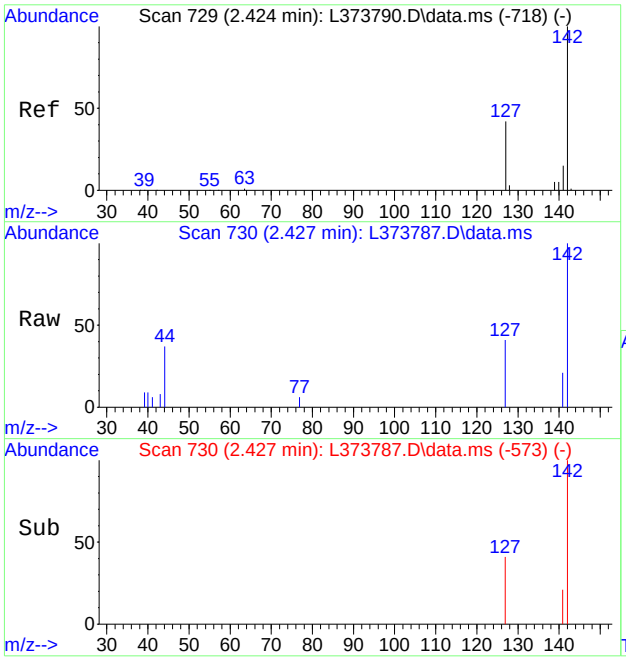


#19
acetonitrile
Concen: 49.62 ug/L
RT: 2.517 min Scan# 758
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 40 Resp: 15464

Ion	Ratio	Lower	Upper
40	100		
41	167.9	158.5	218.5
39	33.0	8.2	68.2

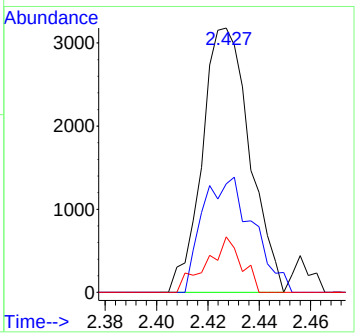


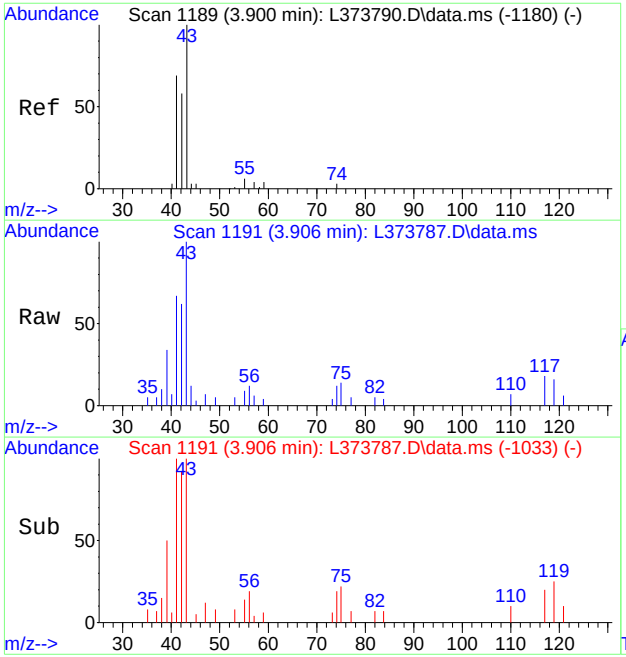


#20
iodomethane
Concen: 2.92 ug/L
RT: 2.427 min Scan# 730
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion:142 Resp: 4094

Ion	Ratio	Lower	Upper
142	100		
127	41.0	12.2	72.2
141	21.0	0.0	44.6

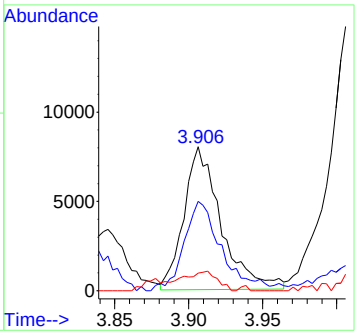


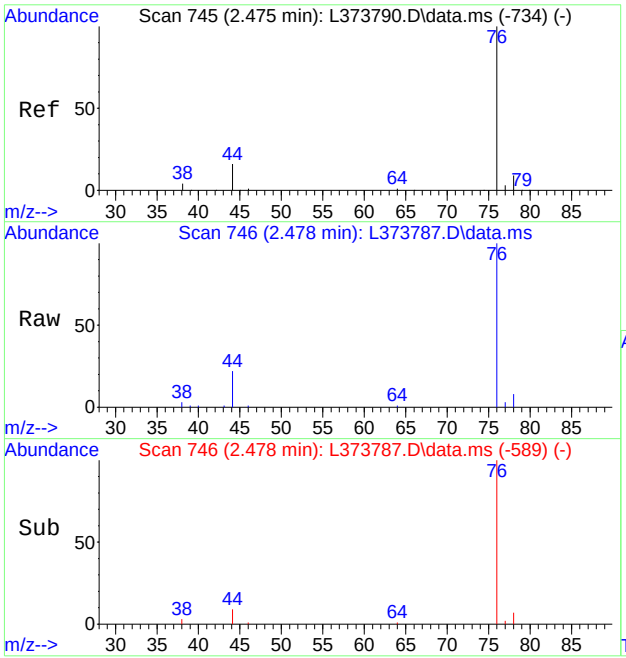


#21
iso-butyl alcohol
Concen: 49.07 ug/L
RT: 3.906 min Scan# 1191
Delta R.T. 0.006 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 43 Resp: 14019

Ion	Ratio	Lower	Upper
43	100		
42	61.3	28.3	88.3
74	12.8	0.0	40.9

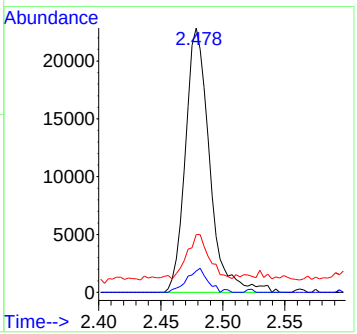


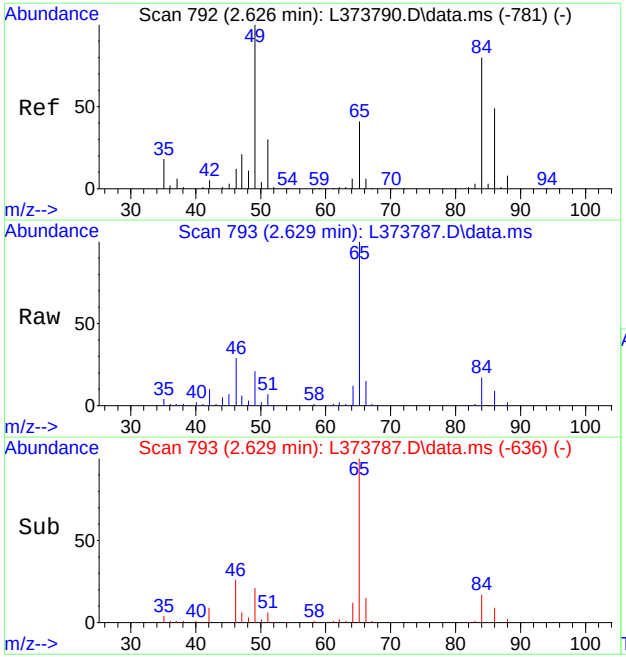


#22
carbon disulfide
Concen: 4.36 ug/L
RT: 2.478 min Scan# 746
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 76 Resp: 30936

Ion	Ratio	Lower	Upper
76	100		
78	8.0	0.0	38.9
44	16.4	0.0	46.1

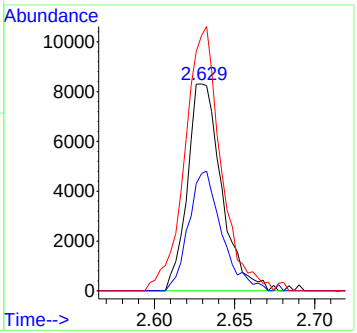


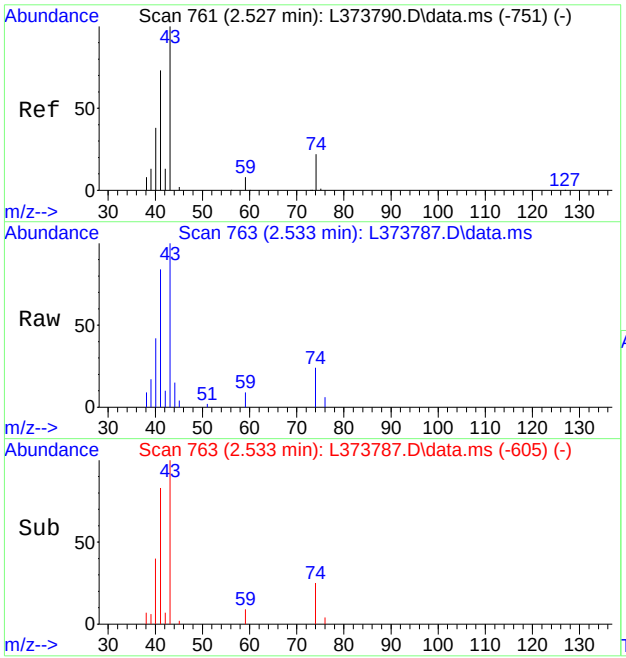


#23
methylene chloride
Concen: 4.37 ug/L
RT: 2.629 min Scan# 793
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 84 Resp: 12288

Ion	Ratio	Lower	Upper
84	100		
86	56.6	31.2	91.2
49	119.4	95.6	155.6

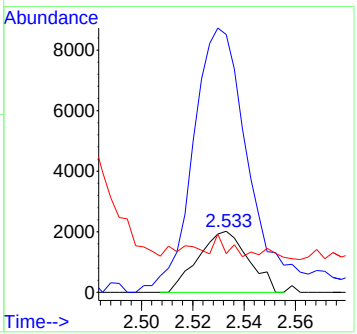


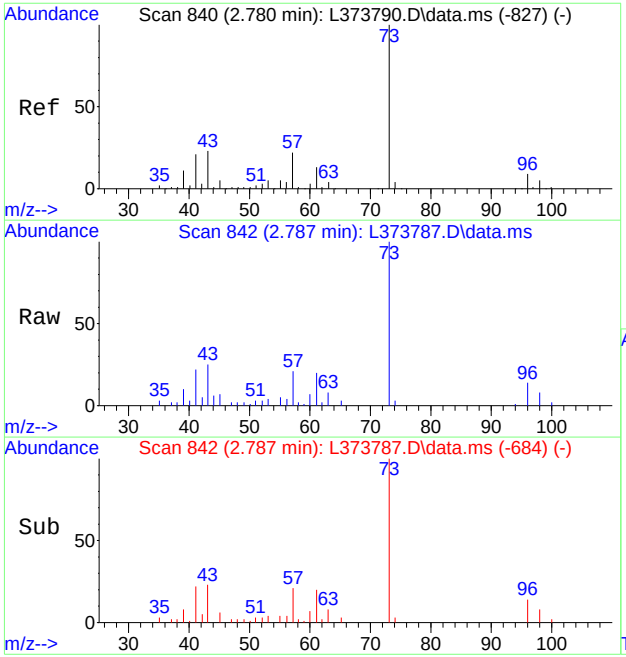


#24
methyl acetate
Concen: 3.77 ug/L
RT: 2.533 min Scan# 763
Delta R.T. 0.006 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 74 Resp: 2749

Ion	Ratio	Lower	Upper
74	100		
43	394.6	417.7	477.7#
44	6.1	0.0	39.0

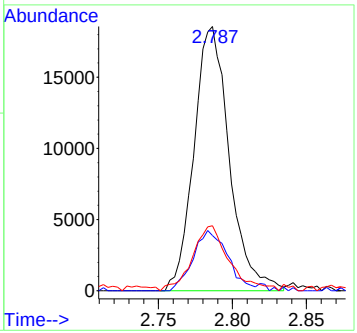


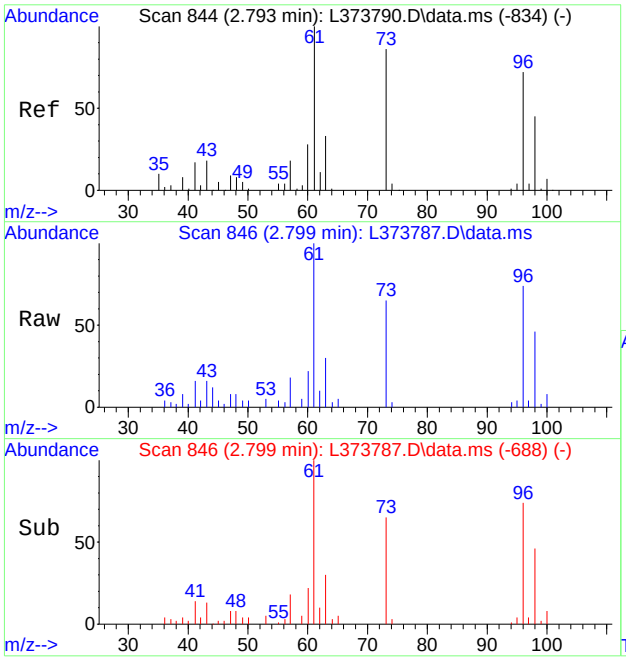


#25
methyl tert butyl ether
Concen: 4.40 ug/L
RT: 2.787 min Scan# 842
Delta R.T. 0.006 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 73 Resp: 30855

Ion	Ratio	Lower	Upper
73	100		
57	20.9	0.0	52.4
43	24.6	0.0	52.7

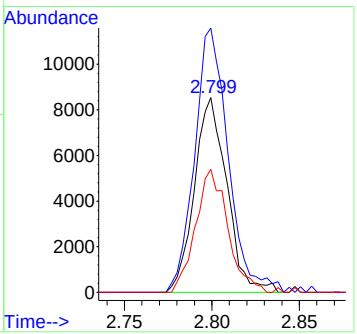


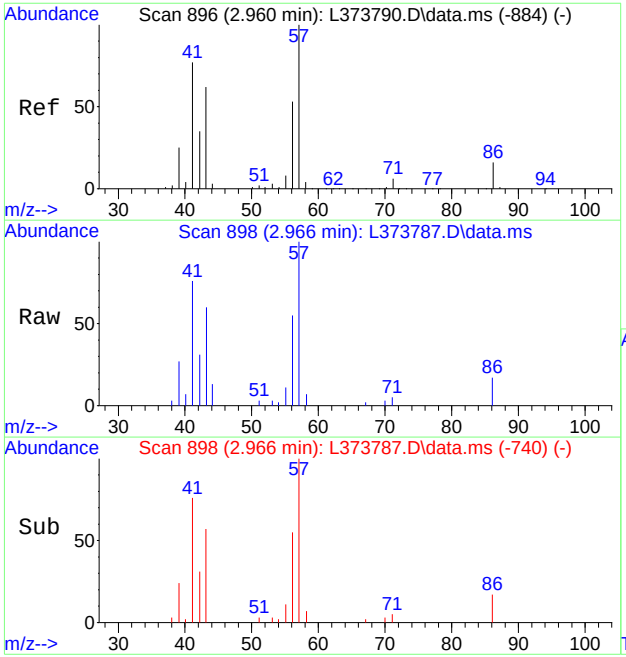


#26
trans-1,2-dichloroethene
Concen: 4.43 ug/L
RT: 2.799 min Scan# 846
Delta R.T. 0.006 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 96 Resp: 11040

Ion	Ratio	Lower	Upper
96	100		
61	135.7	109.1	169.1
98	63.1	32.0	92.0

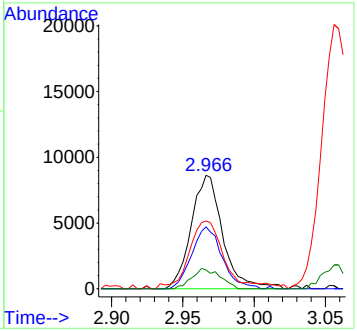


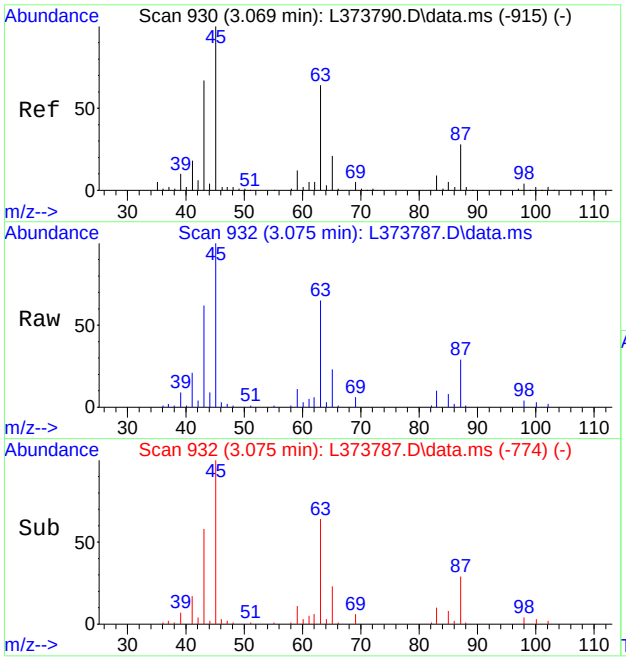


#27
hexane
Concen: 4.46 ug/L
RT: 2.966 min Scan# 898
Delta R.T. 0.006 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 57 Resp: 13268

Ion	Ratio	Lower	Upper
57	100		
56	54.6	32.9	72.9
43	55.9	41.9	81.9
86	16.7	0.0	36.3

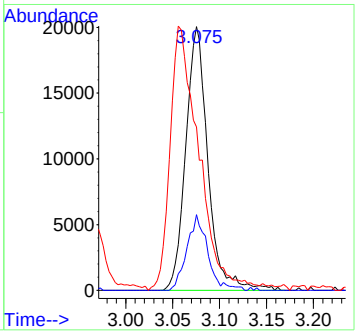


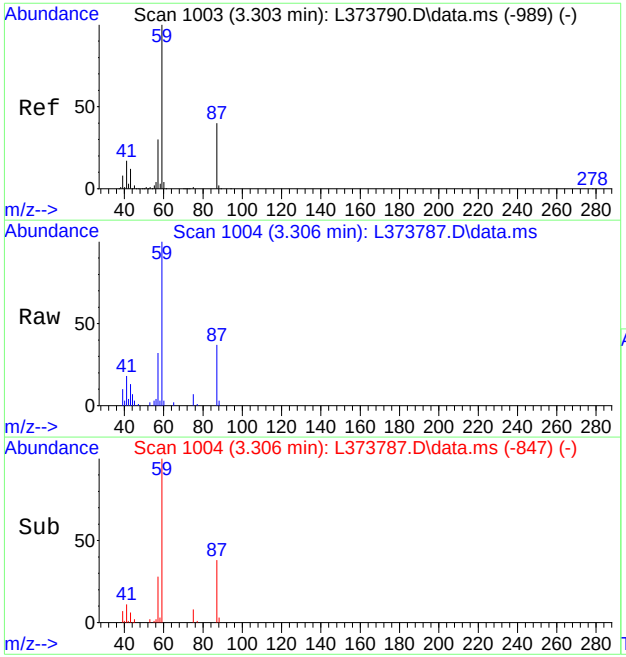


#28
di-isopropyl ether
Concen: 4.43 ug/L
RT: 3.075 min Scan# 932
Delta R.T. 0.006 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 45 Resp: 32997

Ion	Ratio	Lower	Upper
45	100		
87	28.8	0.0	57.5
43	59.7	37.5	97.5

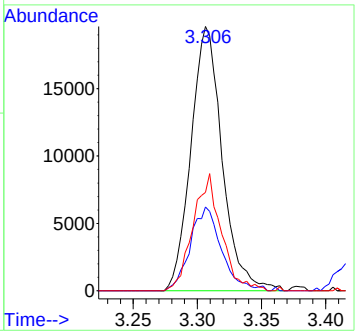


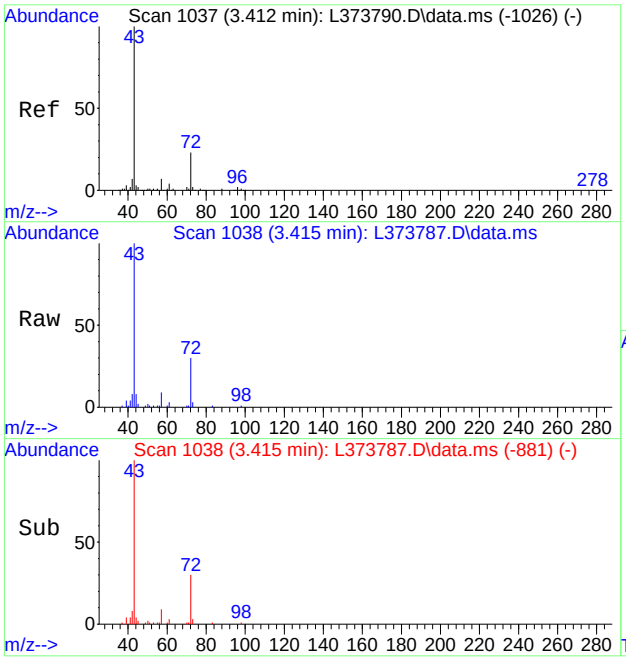


#29
ethyl tert-butyl ether
Concen: 4.40 ug/L
RT: 3.306 min Scan# 1004
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 59 Resp: 33328

Ion	Ratio	Lower	Upper
59	100		
57	31.7	0.3	60.3
87	37.2	9.6	69.6

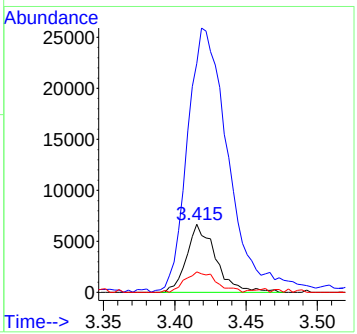


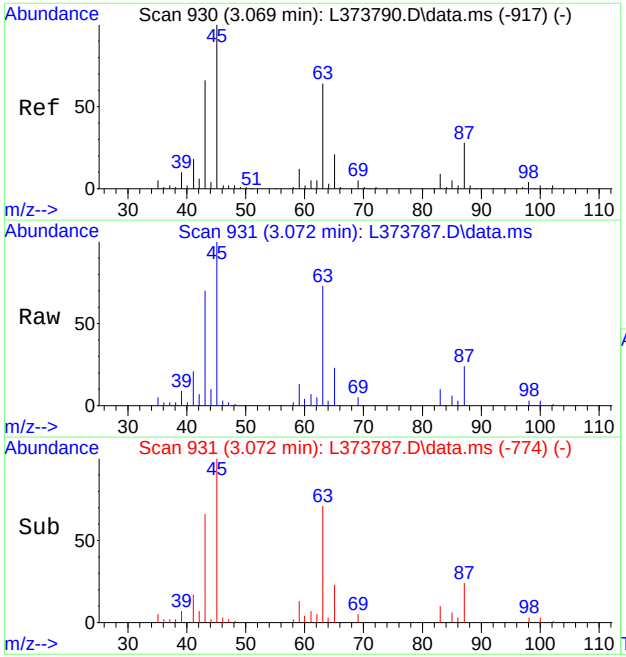


#30
2-butanone
Concen: 18.27 ug/L
RT: 3.415 min Scan# 1038
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 72 Resp: 9499

Ion	Ratio	Lower	Upper
72	100		
43	332.0	411.9	471.9#
57	30.1	2.4	62.4

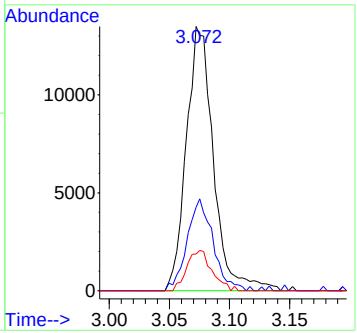


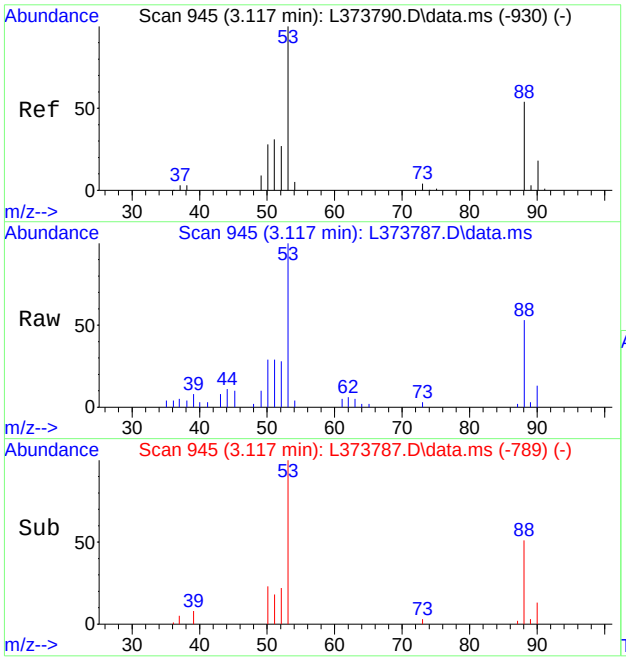


#31
1,1-dichloroethane
Concen: 4.51 ug/L
RT: 3.072 min Scan# 931
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 63 Resp: 21201

Ion	Ratio	Lower	Upper
63	100		
65	31.6	2.5	62.5
83	13.9	0.0	43.5

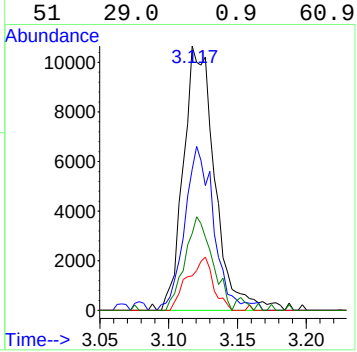


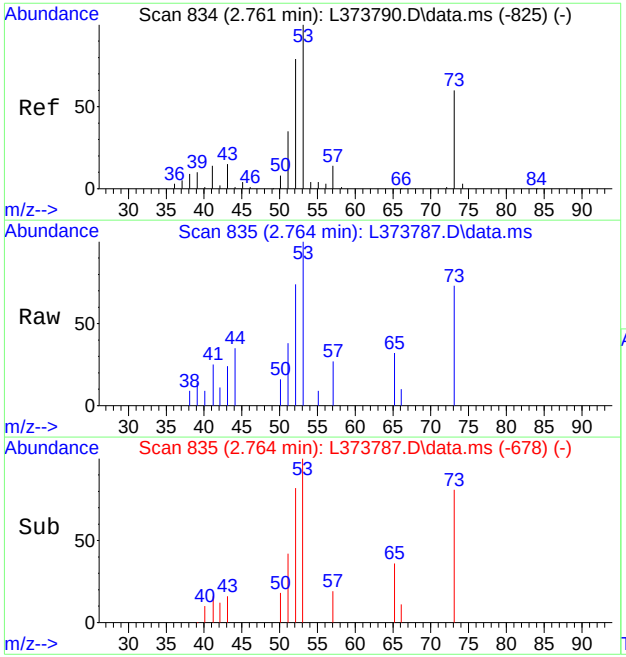


#32
chloroprene
Concen: 4.38 ug/L
RT: 3.117 min Scan# 945
Delta R.T. 0.000 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 53 Resp: 16867

Ion	Ratio	Lower	Upper
53	100		
88	53.3	26.2	86.2
90	13.0	0.0	47.9
51	29.0	0.9	60.9

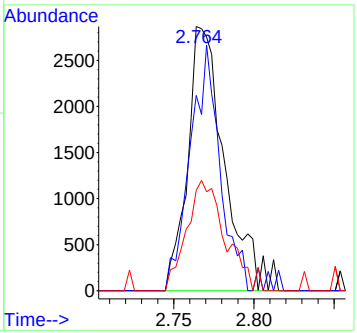


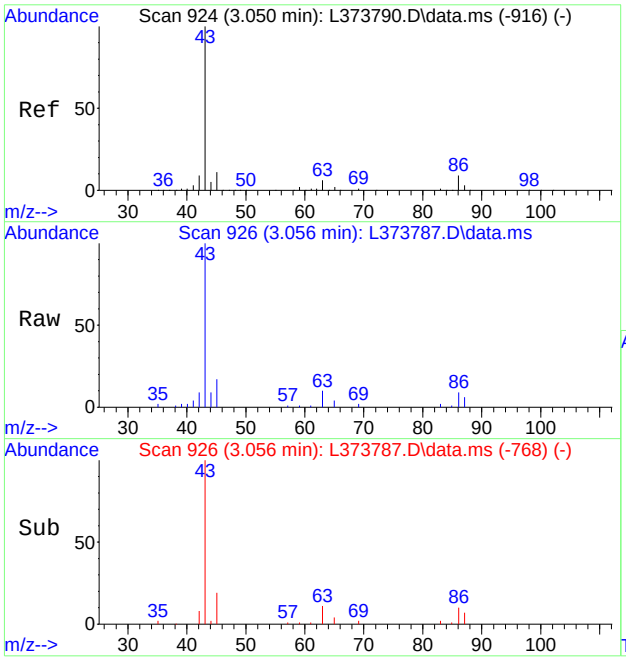


#33
acrylonitrile
Concen: 3.30 ug/L
RT: 2.764 min Scan# 835
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 53 Resp: 4609

Ion	Ratio	Lower	Upper
53	100		
52	73.9	48.8	108.8
51	38.0	4.6	64.6

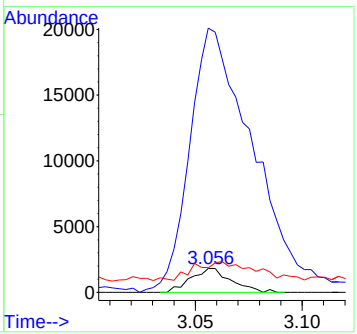


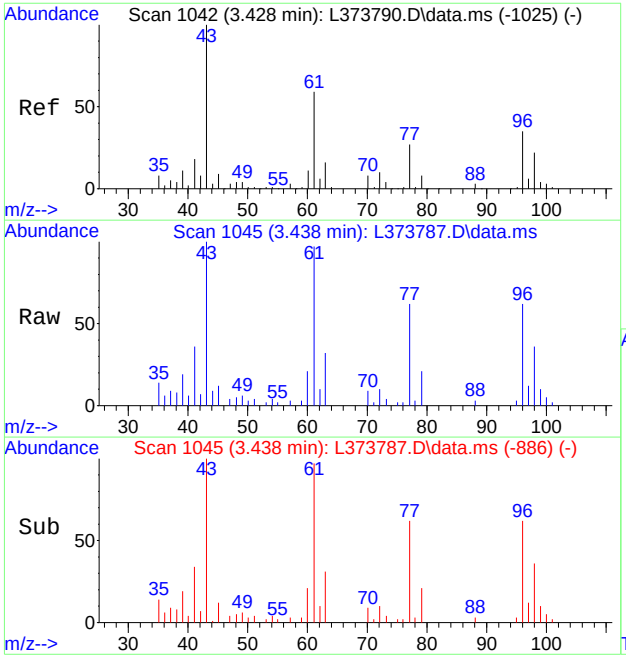


#34
vinyl acetate
Concen: 3.86 ug/L
RT: 3.056 min Scan# 926
Delta R.T. 0.006 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 86 Resp: 2394

Ion	Ratio	Lower	Upper
86	100		
43	1070.8	1076.3	1136.3#
44	42.2	23.6	83.6

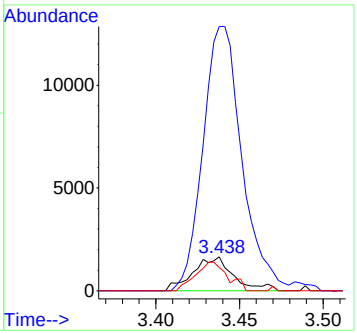


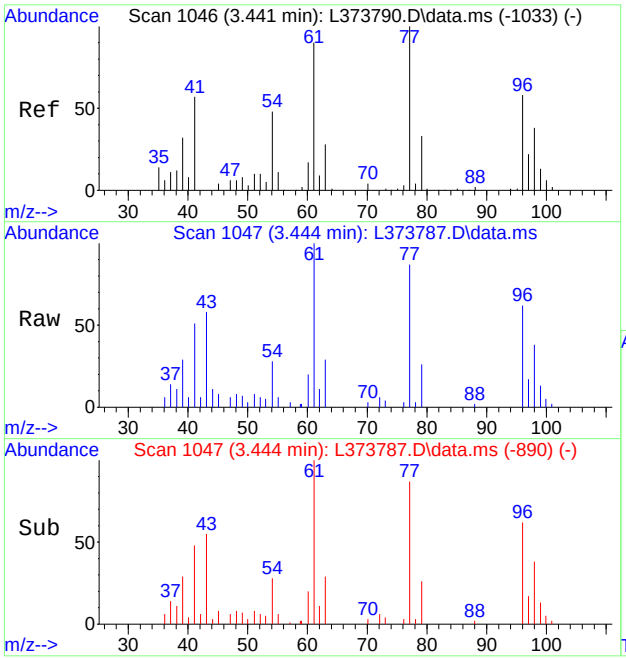


#35
ethyl acetate
Concen: 3.68 ug/L
RT: 3.438 min Scan# 1045
Delta R.T. 0.010 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 45 Resp: 2750

Ion	Ratio	Lower	Upper
45	100		
61	778.3	598.6	658.6#
70	68.6	53.6	113.6

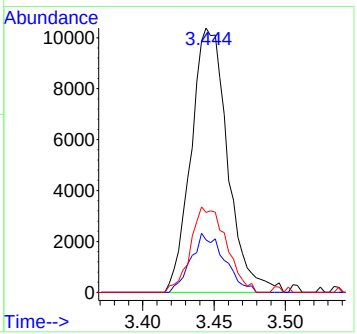


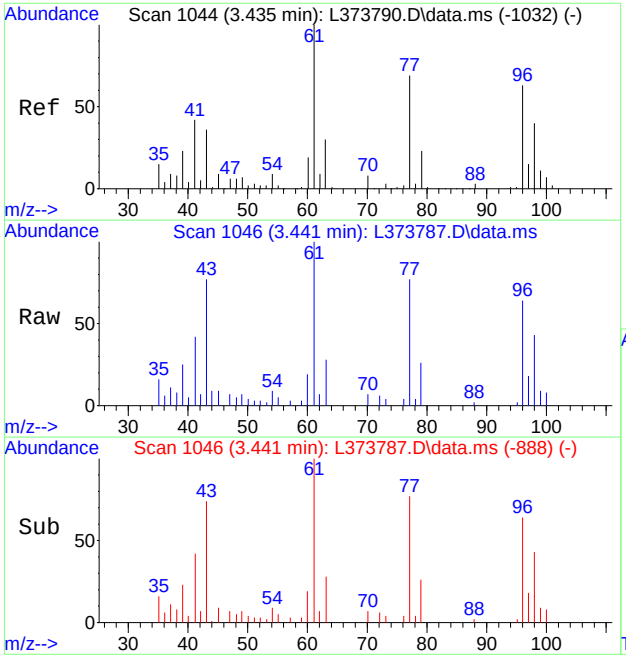


#36
2,2-dichloropropane
Concen: 4.28 ug/L
RT: 3.444 min Scan# 1047
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 77 Resp: 18516

Ion	Ratio	Lower	Upper
77	100		
97	19.9	0.0	52.3
79	30.3	3.0	63.0

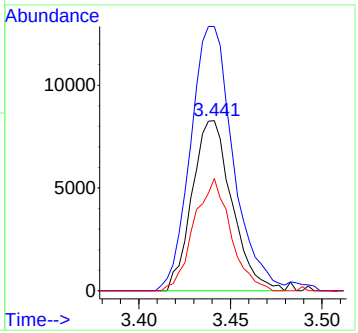


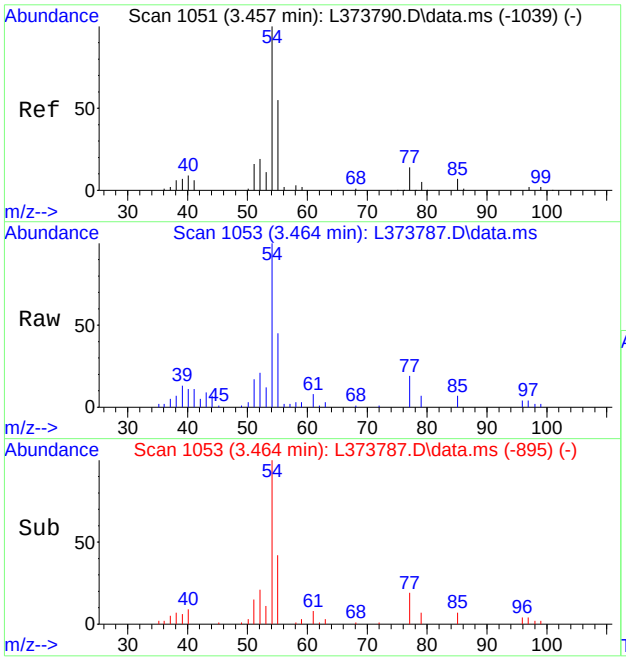


#37
cis-1,2-dichloroethene
Concen: 4.55 ug/L
RT: 3.441 min Scan# 1046
Delta R.T. 0.006 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 96 Resp: 12511

Ion	Ratio	Lower	Upper
96	100		
61	152.4	128.7	188.7
98	66.1	34.1	94.1

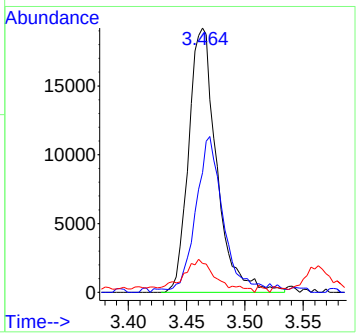


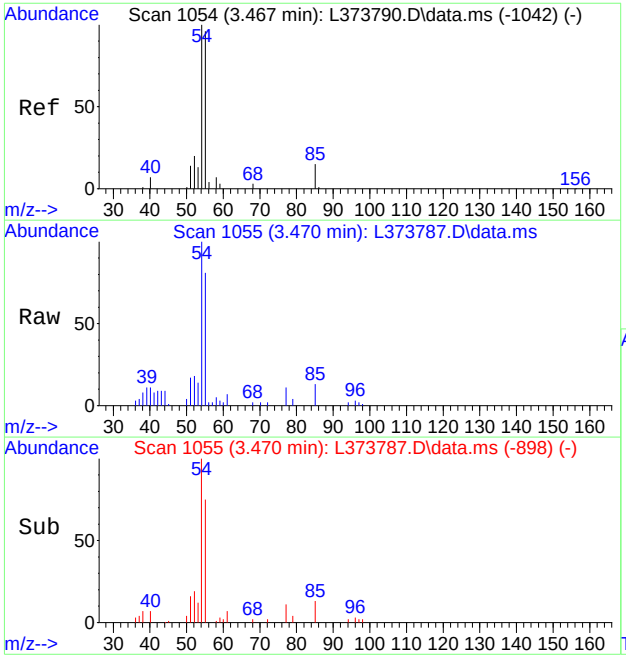


#38
propionitrile
Concen: 41.66 ug/L
RT: 3.464 min Scan# 1053
Delta R.T. 0.006 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 54 Resp: 32047

Ion	Ratio	Lower	Upper
54	100		
55	44.1	25.4	85.4
40	9.4	0.0	39.0

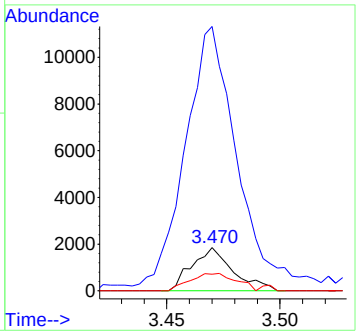


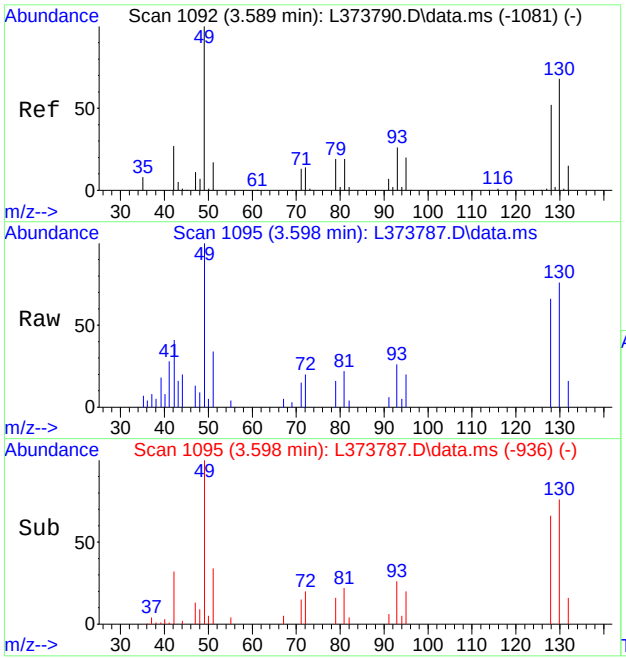


#39
methyl acrylate
Concen: 4.13 ug/L
RT: 3.470 min Scan# 1055
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 85 Resp: 2332

Ion	Ratio	Lower	Upper
85	100		
55	557.9	639.4	679.4#
58	38.6	29.8	69.8

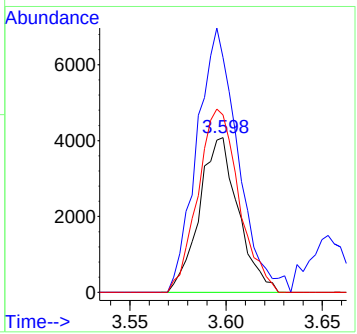


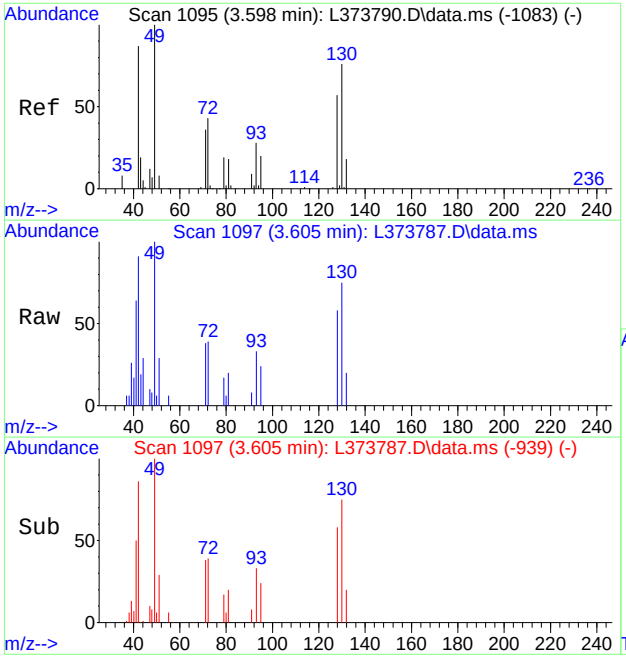


#40
bromochloromethane
Concen: 4.80 ug/L
RT: 3.598 min Scan# 1095
Delta R.T. 0.010 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion:128 Resp: 5766

Ion	Ratio	Lower	Upper
128	100		
49	151.8	163.3	223.3#
130	114.8	100.3	160.3

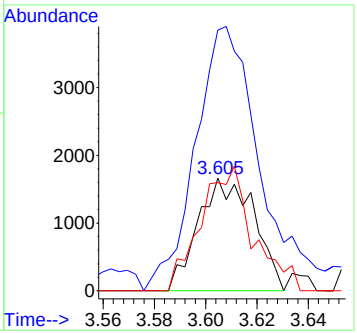


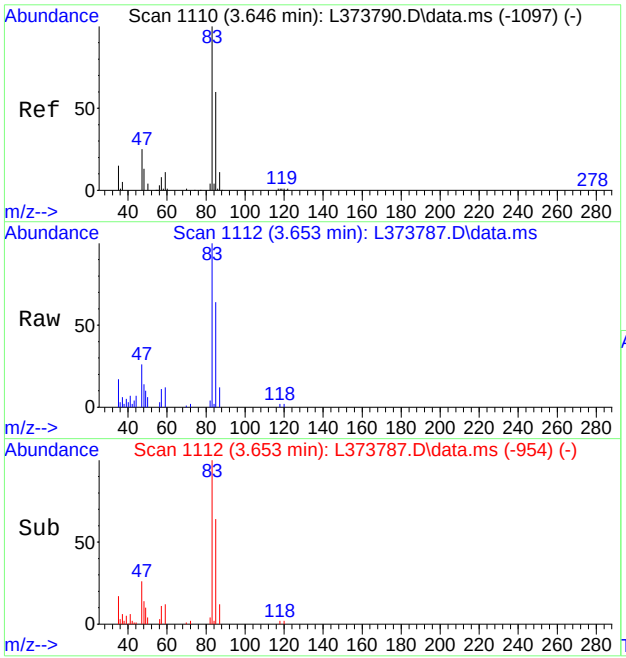


#41
tetrahydrofuran
Concen: 3.48 ug/L
RT: 3.605 min Scan# 1097
Delta R.T. 0.006 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 72 Resp: 2529

Ion	Ratio	Lower	Upper
72	100		
42	206.9	183.3	243.3
71	95.9	53.5	113.5

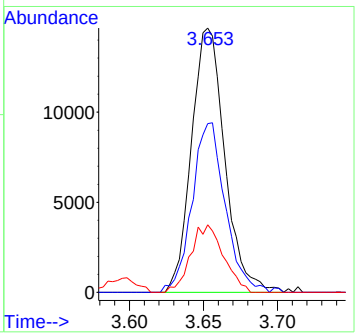


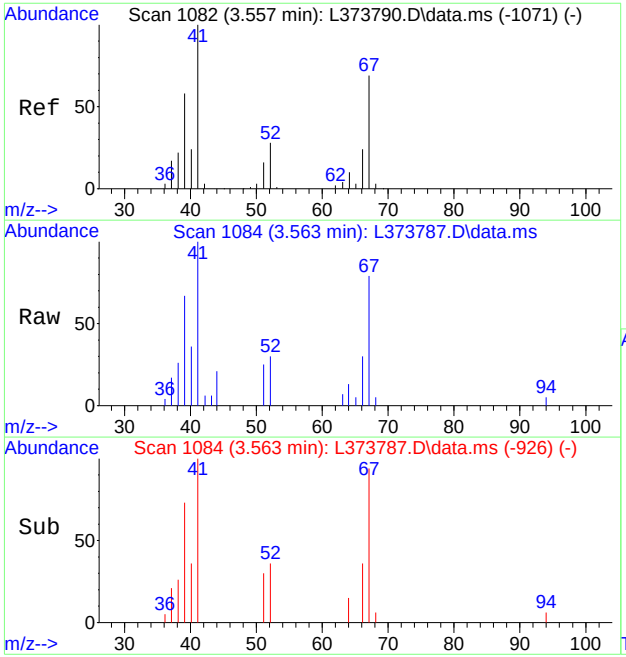


#42
chloroform
Concen: 4.03 ug/L
RT: 3.653 min Scan# 1112
Delta R.T. 0.006 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 83 Resp: 23003

Ion	Ratio	Lower	Upper
83	100		
85	63.8	29.7	89.7
47	25.5	0.0	54.6

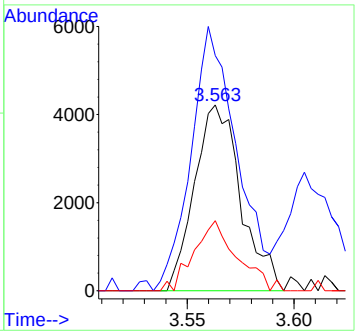


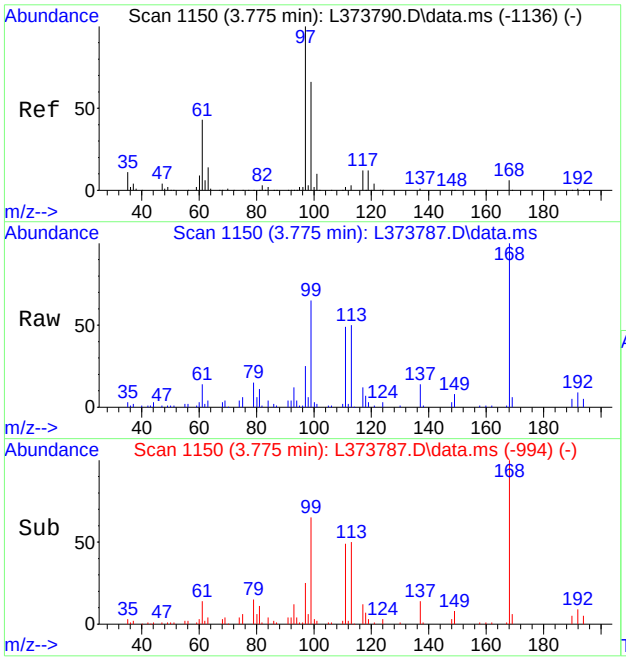


#44
methacrylonitrile
Concen: 3.95 ug/L
RT: 3.563 min Scan# 1084
Delta R.T. 0.006 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 67 Resp: 6379

Ion	Ratio	Lower	Upper
67	100		
41	121.3	115.3	175.3
66	37.7	4.3	64.3

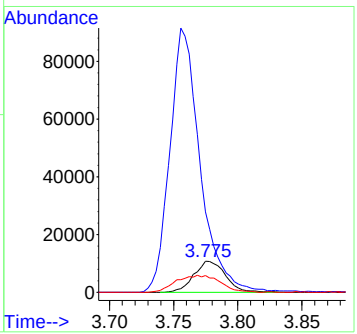


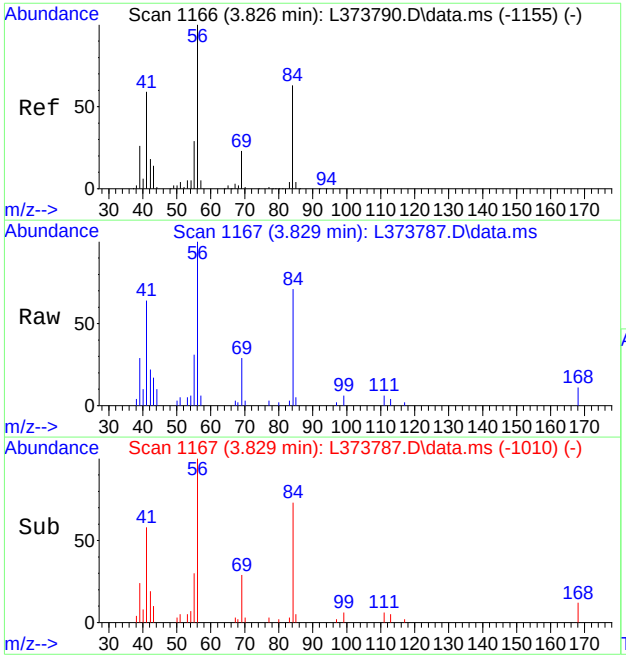


#45
1,1,1-trichloroethane
Concen: 4.55 ug/L
RT: 3.775 min Scan# 1150
Delta R.T. 0.000 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 97 Resp: 18633

Ion	Ratio	Lower	Upper
97	100		
99	253.3	41.0	101.0#
61	54.4	12.9	72.9

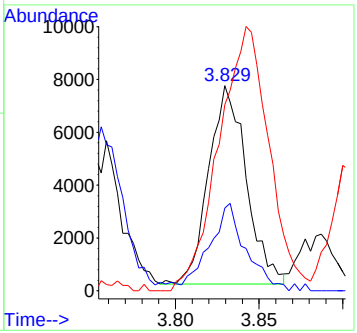


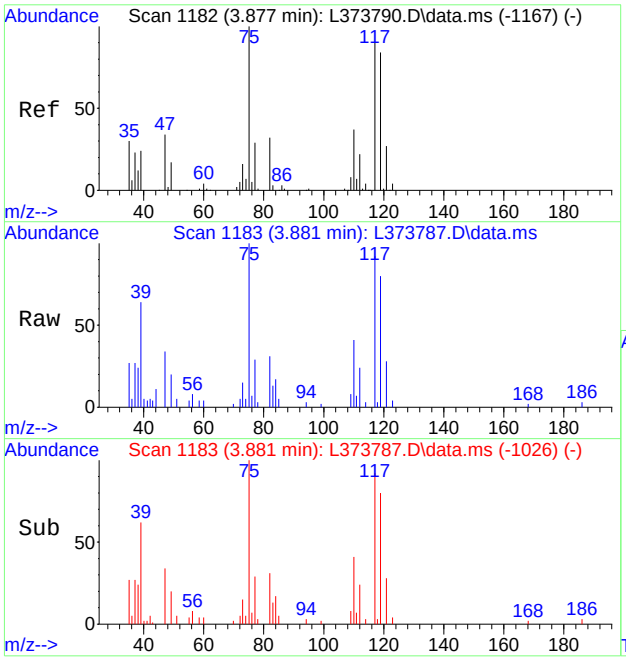


#46
cyclohexane
Concen: 3.29 ug/L
RT: 3.829 min Scan# 1167
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 84 Resp: 11786

Ion	Ratio	Lower	Upper
84	100		
69	38.5	16.2	56.2
41	93.8	73.6	113.6

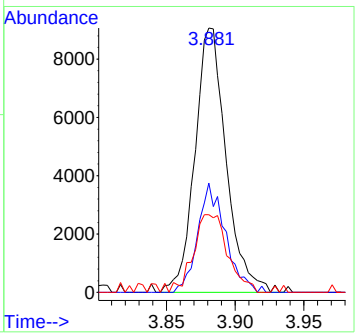


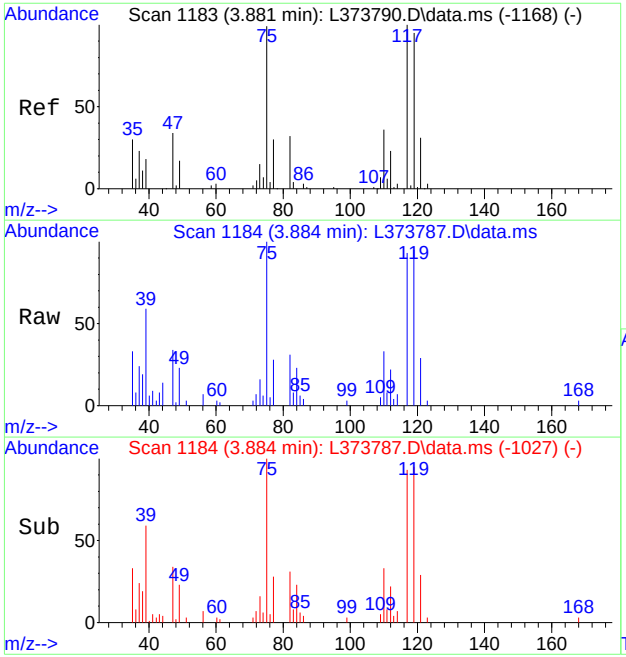


#47
1,1-dichloropropene
Concen: 4.49 ug/L
RT: 3.881 min Scan# 1183
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 75 Resp: 14367

Ion	Ratio	Lower	Upper
75	100		
110	41.3	17.0	57.0
77	29.4	10.2	50.2

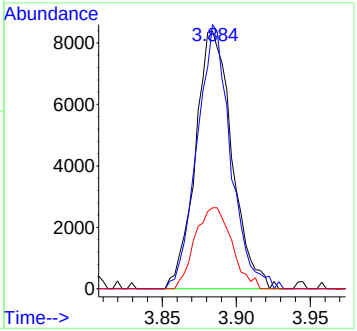


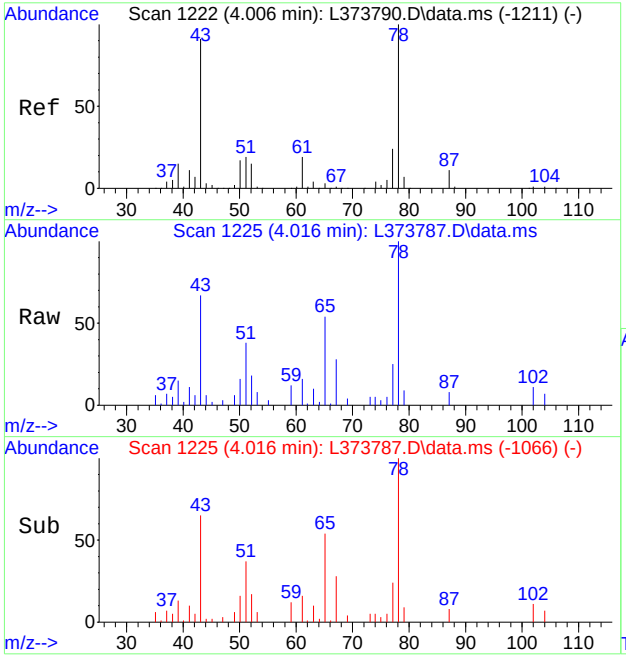


#48
carbon tetrachloride
Concen: 4.38 ug/L
RT: 3.884 min Scan# 1184
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion:117 Resp: 14403

Ion	Ratio	Lower	Upper
117	100		
119	102.5	74.4	114.4
121	31.4	10.8	50.8

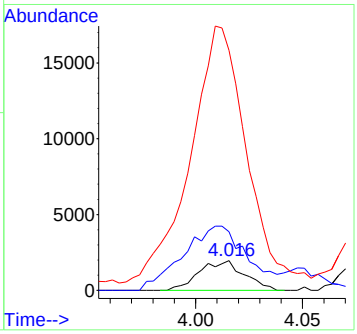


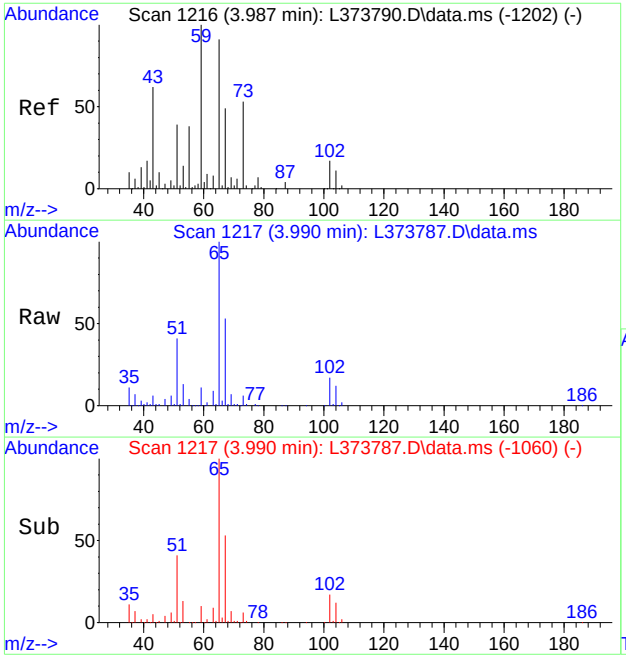


#49
isopropyl acetate
Concen: 3.74 ug/L
RT: 4.016 min Scan# 1225
Delta R.T. 0.010 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 87 Resp: 2881

Ion	Ratio	Lower	Upper
87	100		
61	144.5	152.1	192.1#
43	723.5	844.1	904.1#

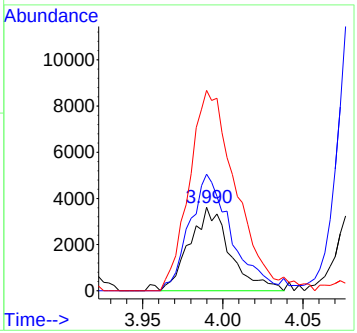


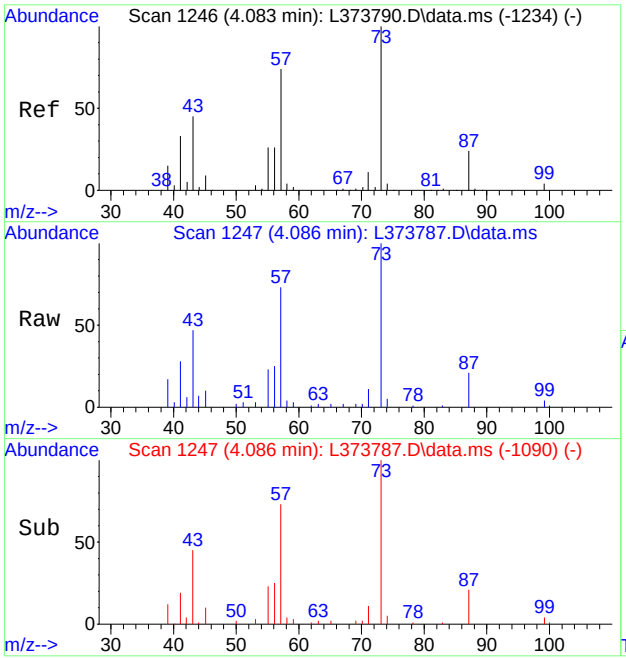


#50
tert amyl alcohol
Concen: 18.80 ug/L
RT: 3.990 min Scan# 1217
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 55 Resp: 6308

Ion	Ratio	Lower	Upper
55	100		
73	139.9	119.2	159.2
59	240.2	242.0	282.0#

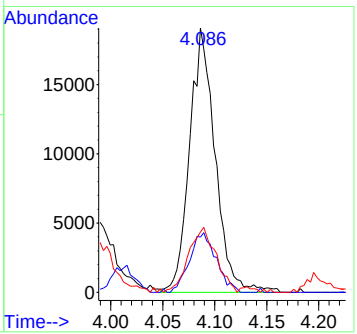


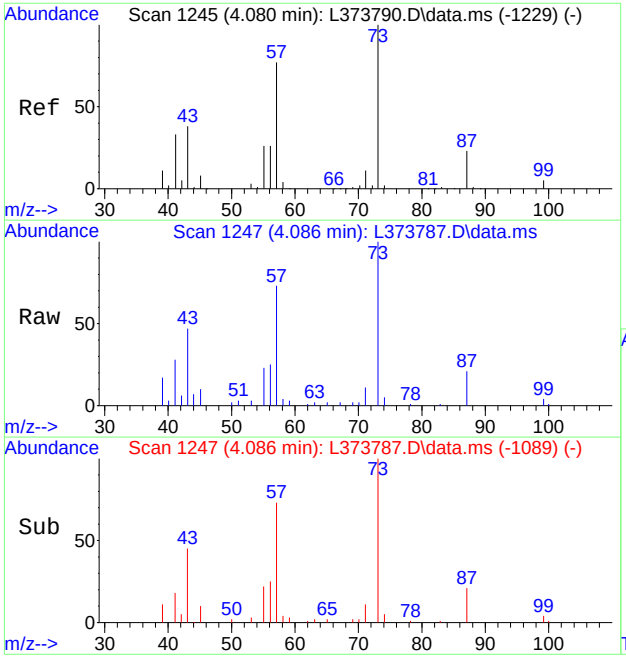


#53
tert-amyl methyl ether
Concen: 4.35 ug/L
RT: 4.086 min Scan# 1247
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 73 Resp: 32706

Ion	Ratio	Lower	Upper
73	100		
87	20.9	4.6	44.6
55	22.8	5.7	45.7

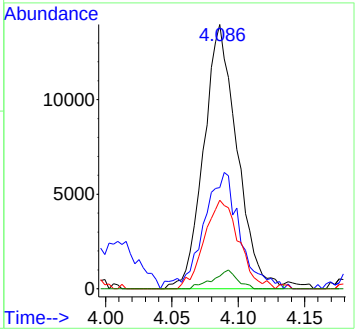


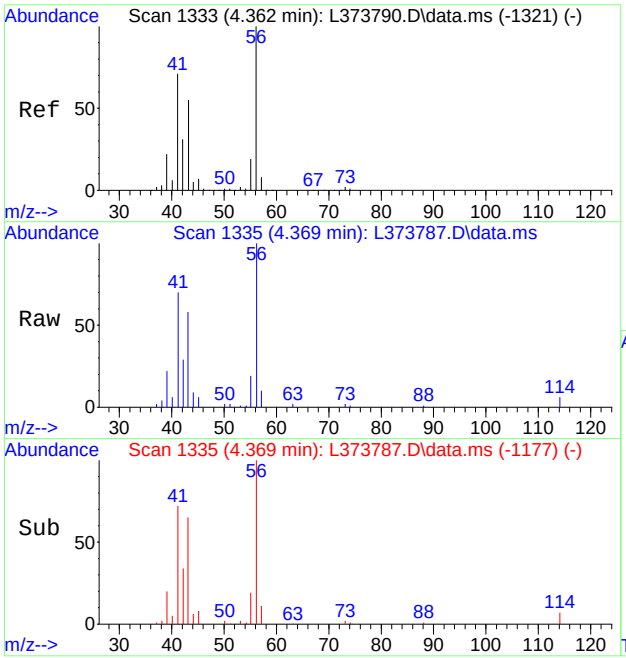


#54
2,2,4-trimethylpentane
Concen: 4.43 ug/L
RT: 4.086 min Scan# 1247
Delta R.T. 0.006 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 57 Resp: 24424

Ion	Ratio	Lower	Upper
57	100		
41	38.3	25.1	65.1
56	33.5	13.8	53.8
99	4.8	0.0	25.9

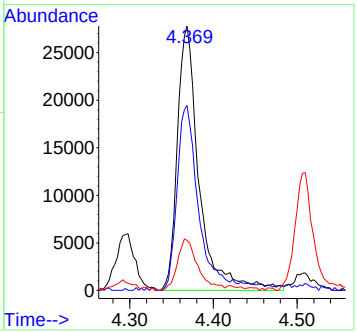


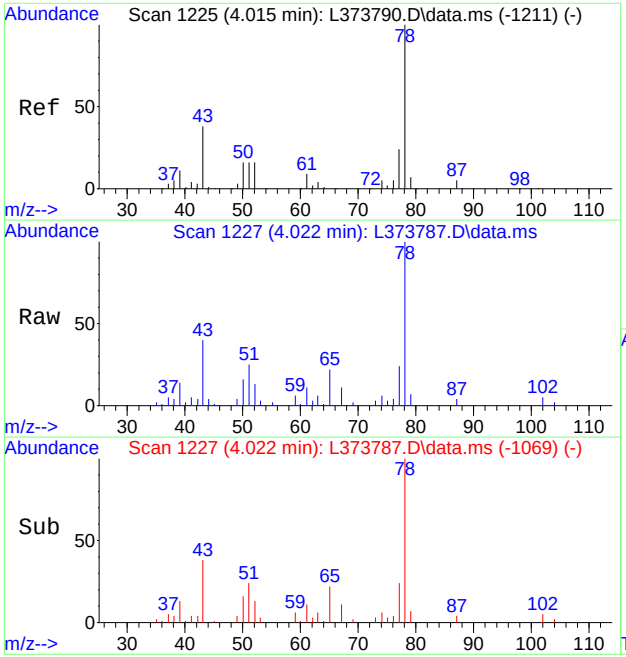


#55
n-butyl alcohol
Concen: 208.87 ug/L
RT: 4.369 min Scan# 1335
Delta R.T. 0.006 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 56 Resp: 50272

Ion	Ratio	Lower	Upper
56	100		
41	69.9	40.6	100.6
55	18.9	0.0	49.1

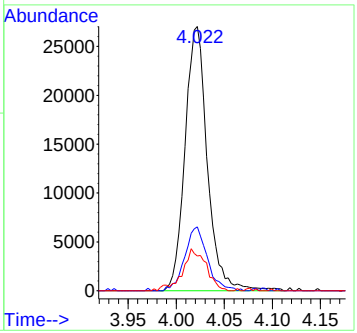


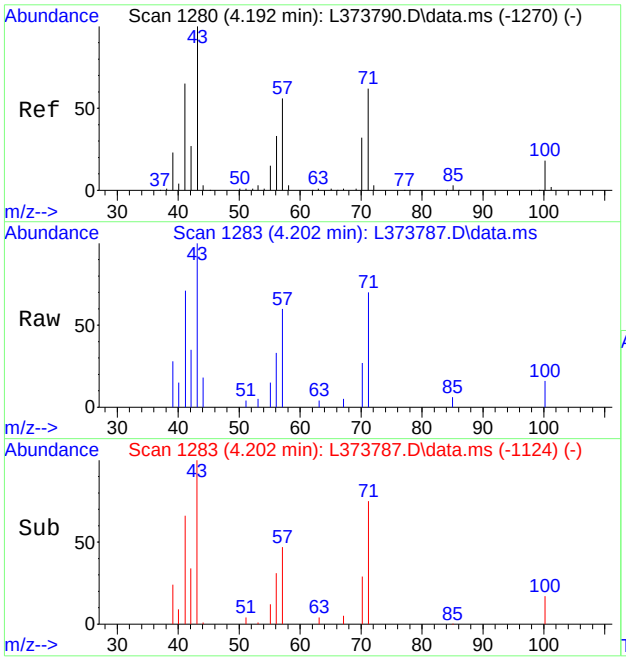


#56
benzene
Concen: 4.20 ug/L
RT: 4.022 min Scan# 1227
Delta R.T. 0.006 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 78 Resp: 43752

Ion	Ratio	Lower	Upper
78	100		
77	24.2	0.0	53.5
52	13.1	0.0	46.2

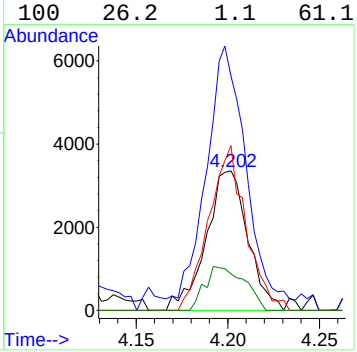


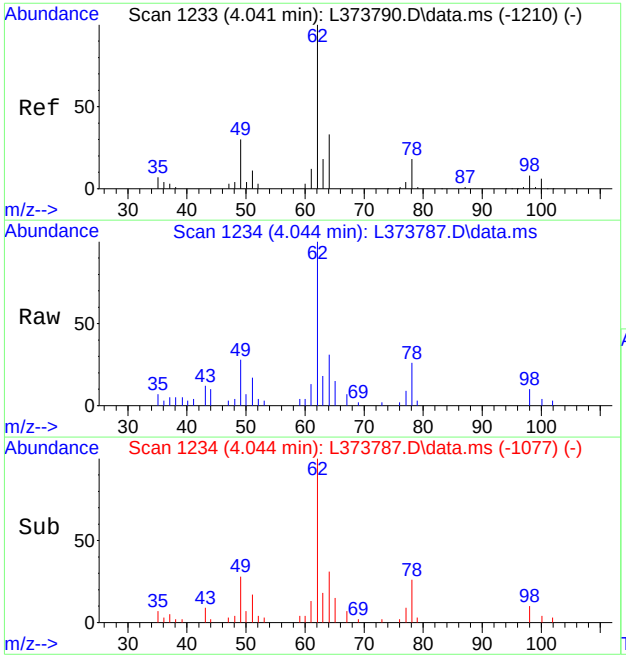


#57
heptane
Concen: 4.75 ug/L
RT: 4.202 min Scan# 1283
Delta R.T. 0.010 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 57 Resp: 5333

Ion	Ratio	Lower	Upper
57	100		
43	158.7	146.8	206.8
71	118.2	78.5	138.5
100	26.2	1.1	61.1

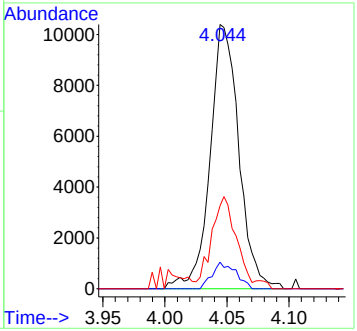


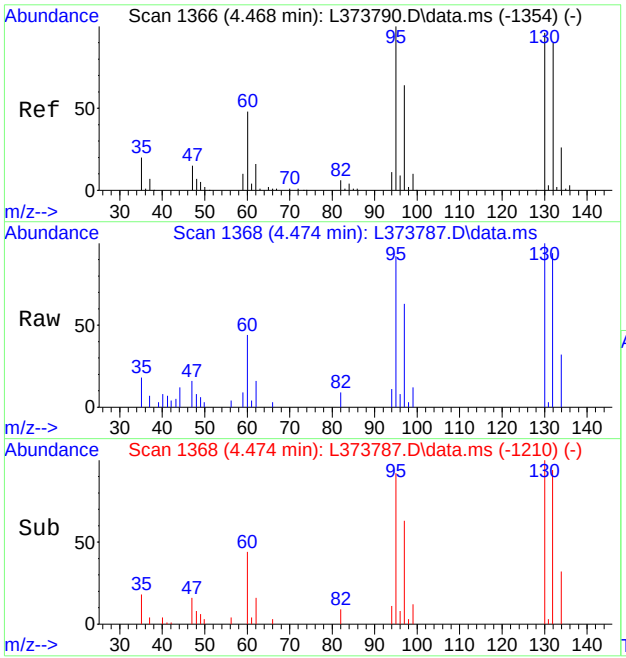


#58
1,2-dichloroethane
Concen: 4.23 ug/L
RT: 4.044 min Scan# 1234
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 62 Resp: 16814

Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	38.1
64	31.3	2.8	62.8

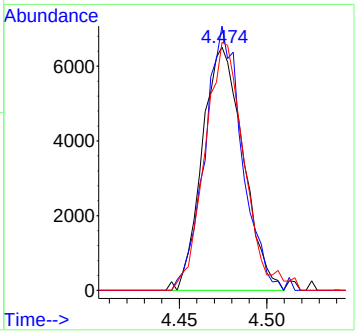


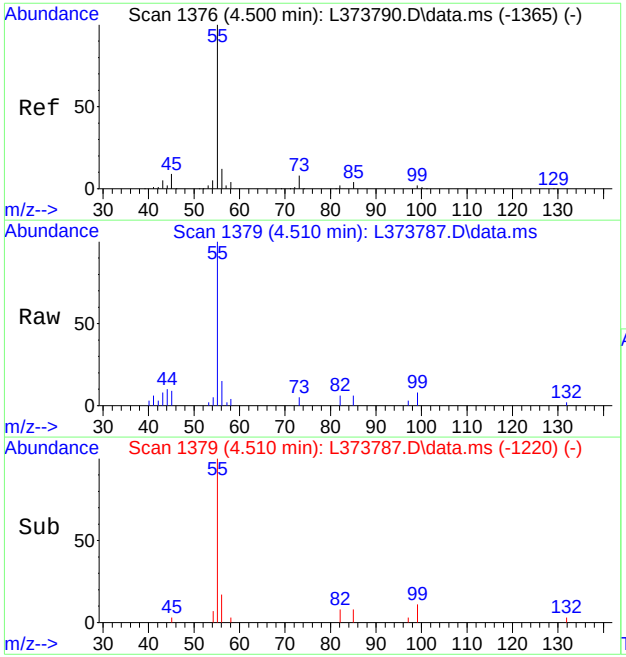


#59
trichloroethene
Concen: 4.24 ug/L
RT: 4.474 min Scan# 1368
Delta R.T. 0.006 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 95 Resp: 10637

Ion	Ratio	Lower	Upper
95	100		
130	108.7	65.5	125.5
132	102.0	59.7	119.7

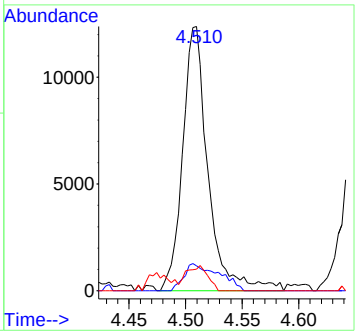


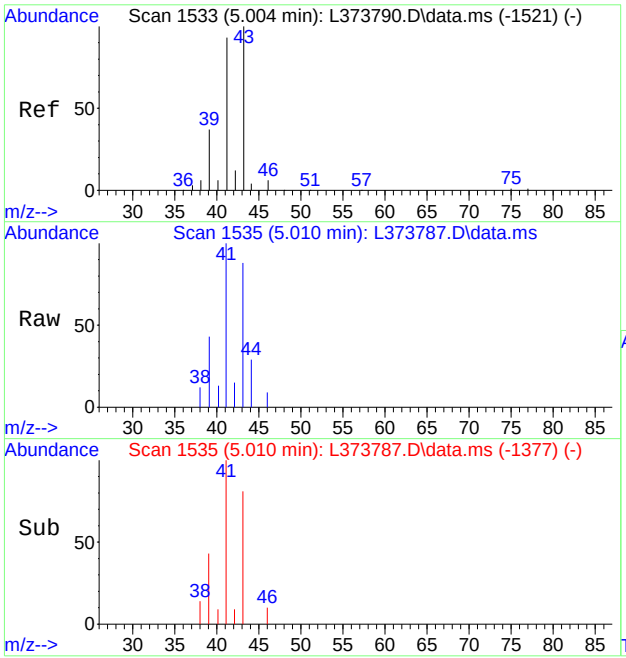


#60
ethyl acrylate
Concen: 4.02 ug/L
RT: 4.510 min Scan# 1379
Delta R.T. 0.010 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 55 Resp: 19359

Ion	Ratio	Lower	Upper
55	100		
45	9.4	0.0	28.6
99	8.2	0.0	27.8

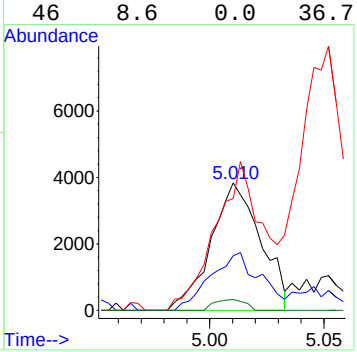


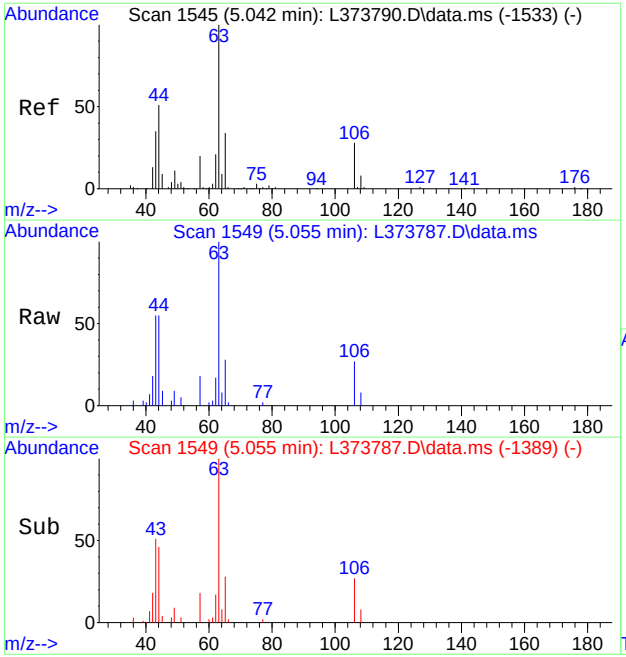


#61
2-nitropropane
Concen: 4.42 ug/L m
RT: 5.010 min Scan# 1535
Delta R.T. 0.006 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 41 Resp: 5810

Ion	Ratio	Lower	Upper
41	100		
39	42.8	10.0	70.0
43	87.8	77.9	137.9
46	8.6	0.0	36.7

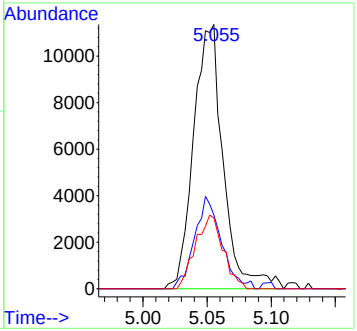


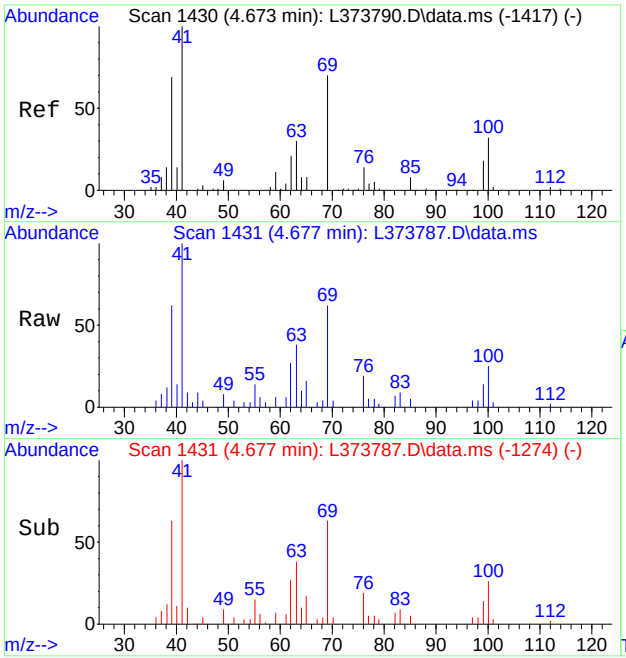


#62
2-chloroethyl vinyl ether
Concen: 20.51 ug/L
RT: 5.055 min Scan# 1549
Delta R.T. 0.013 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 63 Resp: 18283

Ion	Ratio	Lower	Upper
63	100		
65	27.9	3.9	63.9
106	26.8	0.0	57.6

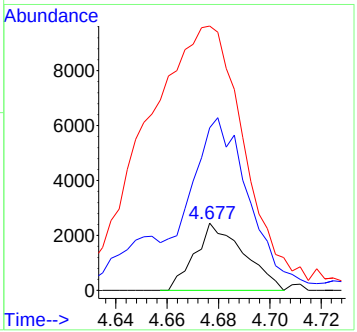


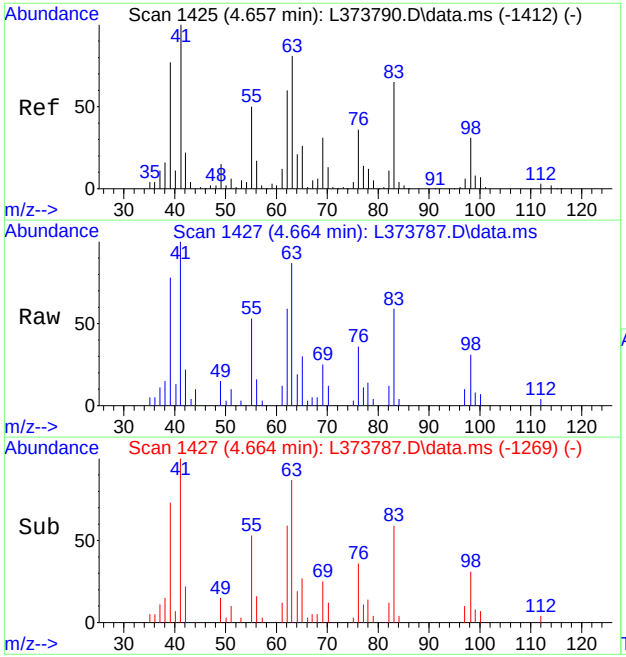


#63
methyl methacrylate
Concen: 3.65 ug/L
RT: 4.677 min Scan# 1431
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion:100 Resp: 3220

Ion	Ratio	Lower	Upper
100	100		
69	214.0	221.2	281.2#
41	344.1	360.4	420.4#

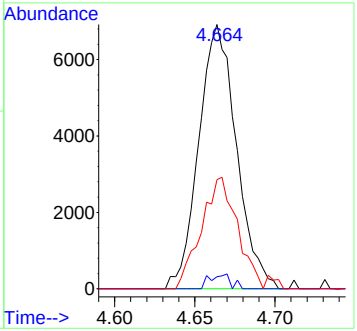


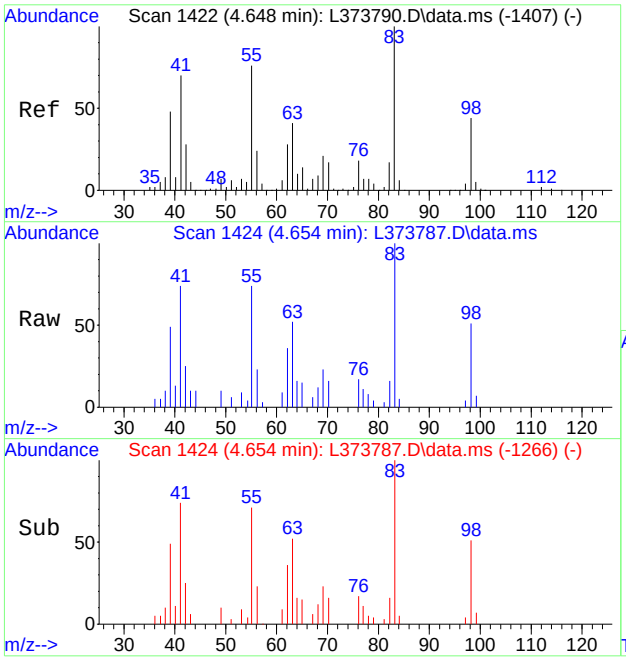


#64
1,2-dichloropropane
Concen: 4.33 ug/L
RT: 4.664 min Scan# 1427
Delta R.T. 0.006 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 63 Resp: 11296

Ion	Ratio	Lower	Upper
63	100		
112	4.6	0.0	34.1
76	41.2	14.3	74.3

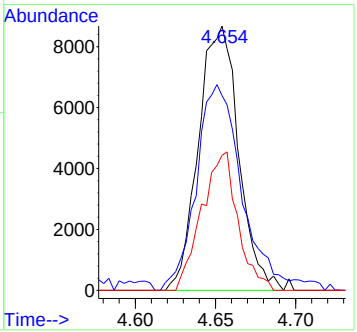


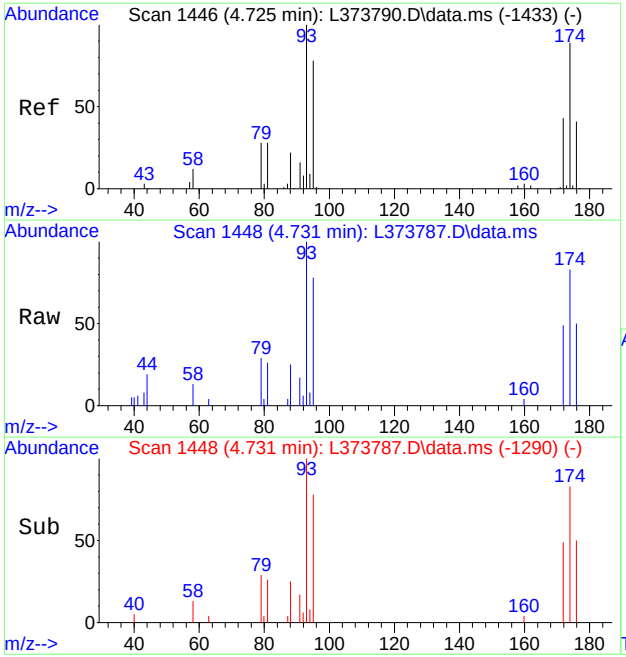


#65
methylcyclohexane
Concen: 4.52 ug/L
RT: 4.654 min Scan# 1424
Delta R.T. 0.006 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 83 Resp: 15114

Ion	Ratio	Lower	Upper
83	100		
55	73.7	46.3	106.3
98	51.1	13.7	73.7

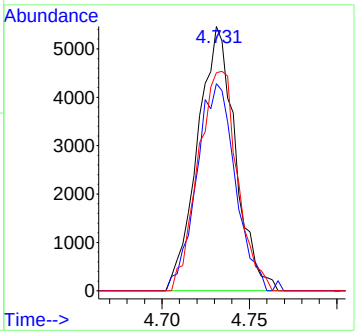


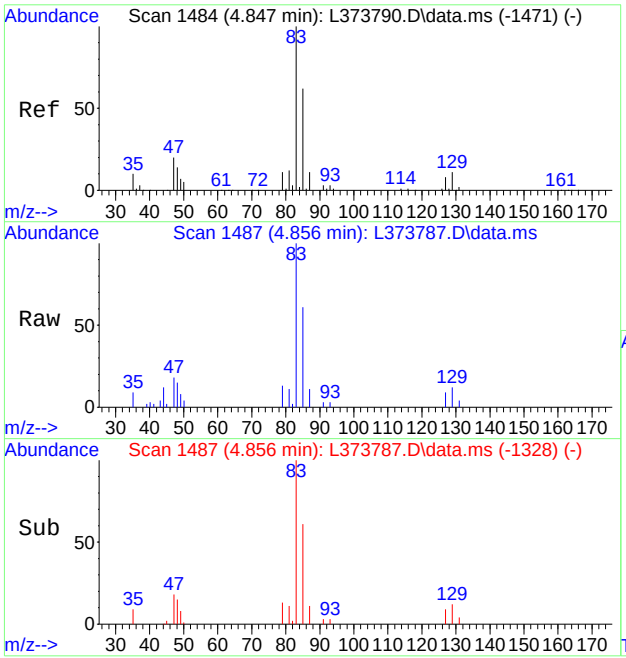


#66
dibromomethane
Concen: 4.47 ug/L
RT: 4.731 min Scan# 1448
Delta R.T. 0.006 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 93 Resp: 8182

Ion	Ratio	Lower	Upper
93	100		
95	78.3	48.3	108.3
174	82.5	59.2	119.2

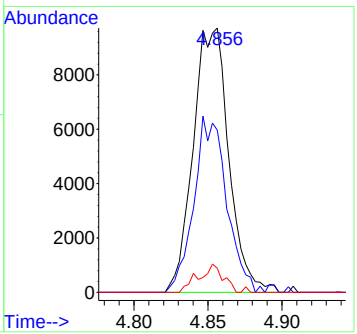


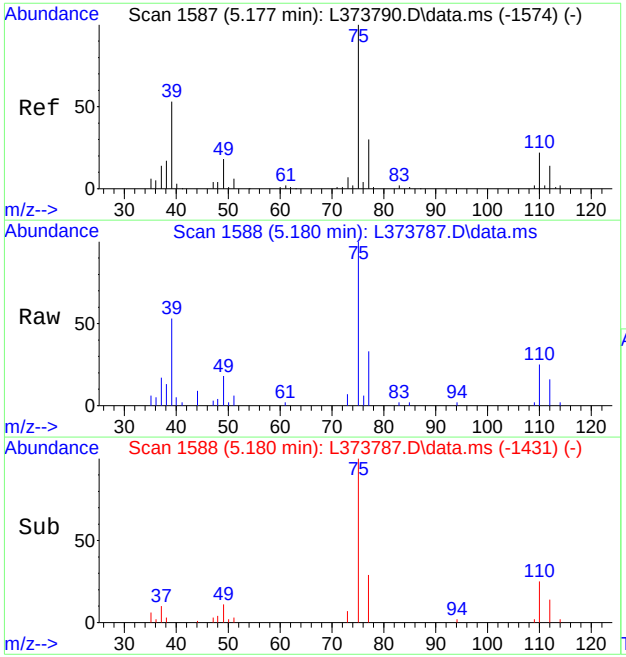


#67
bromodichloromethane
Concen: 4.36 ug/L
RT: 4.856 min Scan# 1487
Delta R.T. 0.010 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 83 Resp: 16290

Ion	Ratio	Lower	Upper
83	100		
85	61.4	31.5	91.5
127	9.2	0.0	38.3

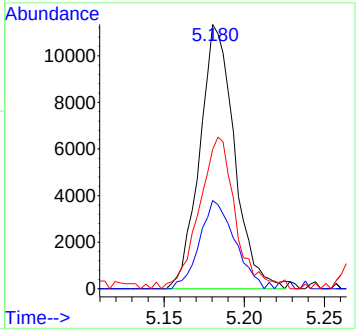


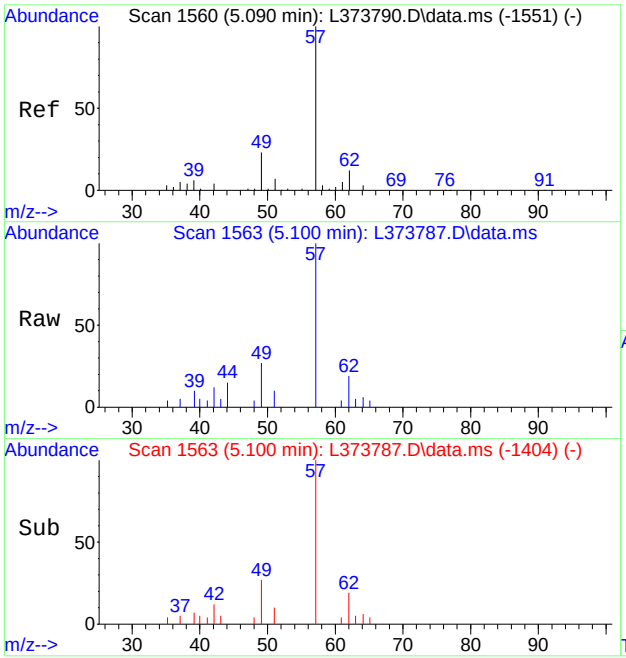


#68
cis-1,3-dichloropropene
Concen: 4.04 ug/L
RT: 5.180 min Scan# 1588
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 75 Resp: 17049

Ion	Ratio	Lower	Upper
75	100		
77	33.4	0.1	60.1
39	52.6	23.1	83.1

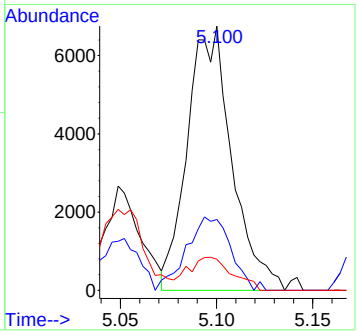


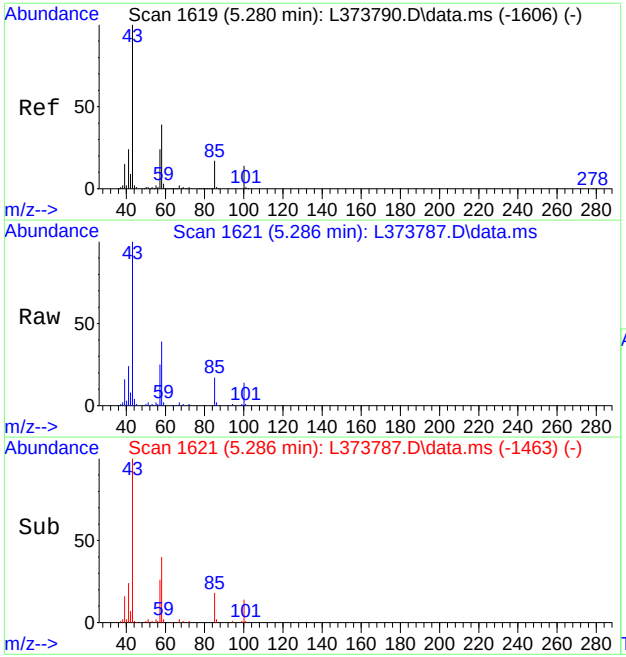


#69
epichlorohydrin
Concen: 19.16 ug/L
RT: 5.100 min Scan# 1563
Delta R.T. 0.010 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 57 Resp: 10839

Ion	Ratio	Lower	Upper
57	100		
49	26.8	1.0	41.0
42	11.7	0.0	29.5

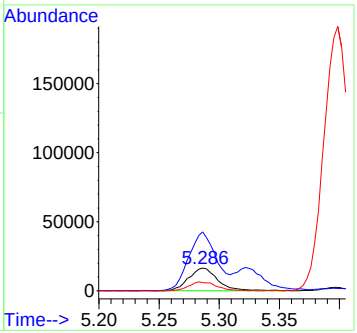


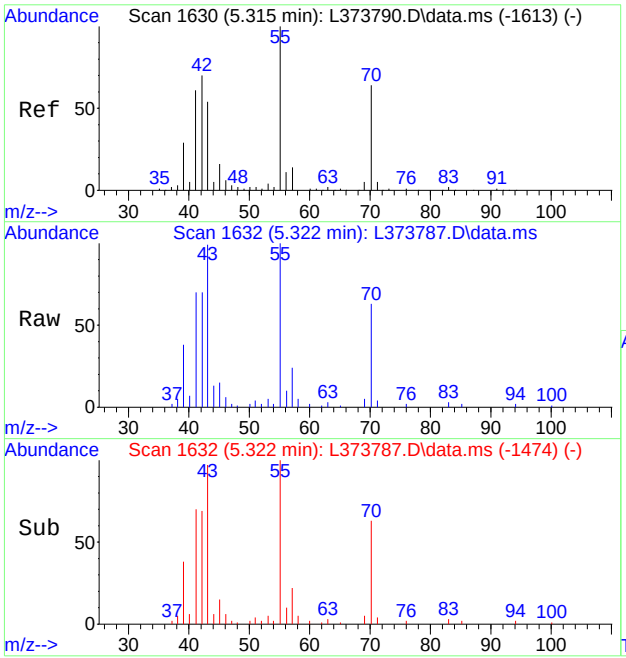


#70
4-methyl-2-pentanone
Concen: 16.05 ug/L
RT: 5.286 min Scan# 1621
Delta R.T. 0.006 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 58 Resp: 27695

Ion	Ratio	Lower	Upper
58	100		
43	256.4	233.3	273.3
100	36.3	15.2	55.2

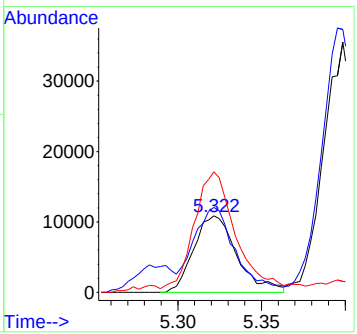


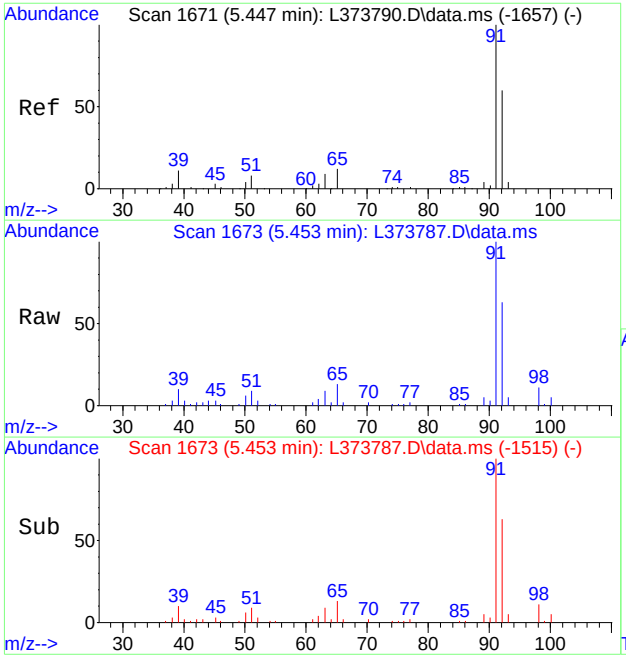


#71
3-methyl-1-butanol
Concen: 87.29 ug/L
RT: 5.322 min Scan# 1632
Delta R.T. 0.006 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 70 Resp: 19484

Ion	Ratio	Lower	Upper
70	100		
42	102.6	94.2	134.2
55	152.7	137.5	177.5

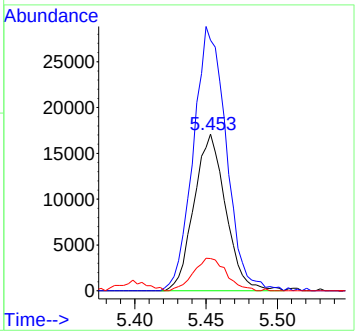


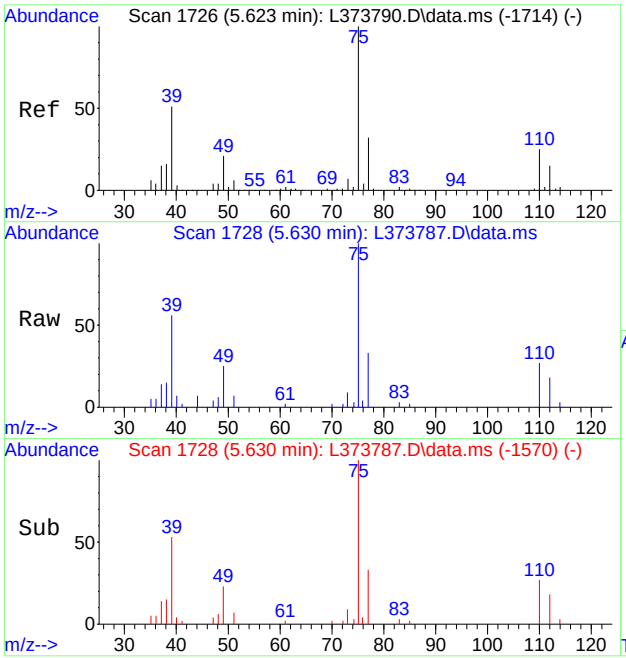


#74
toluene
Concen: 4.05 ug/L
RT: 5.453 min Scan# 1673
Delta R.T. 0.006 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 92 Resp: 26498

Ion	Ratio	Lower	Upper
92	100		
91	160.0	136.7	196.7
65	20.6	0.0	50.8

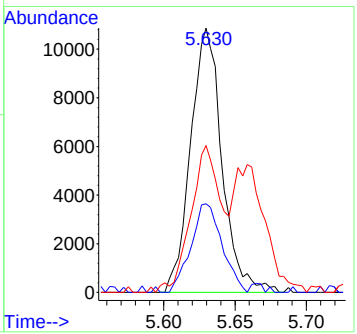


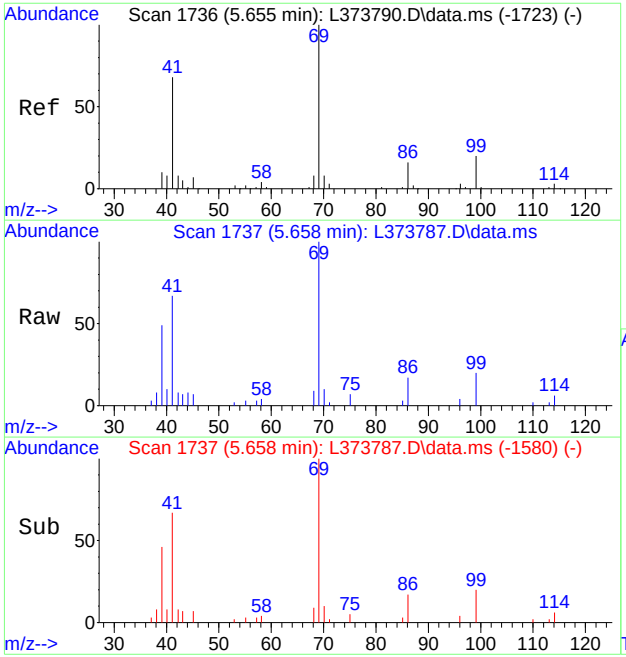


#75
trans-1,3-dichloropropene
Concen: 4.20 ug/L
RT: 5.630 min Scan# 1728
Delta R.T. 0.006 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 75 Resp: 16631

Ion	Ratio	Lower	Upper
75	100		
77	33.5	1.7	61.7
39	53.1	20.7	80.7

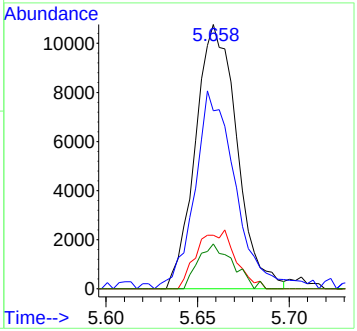


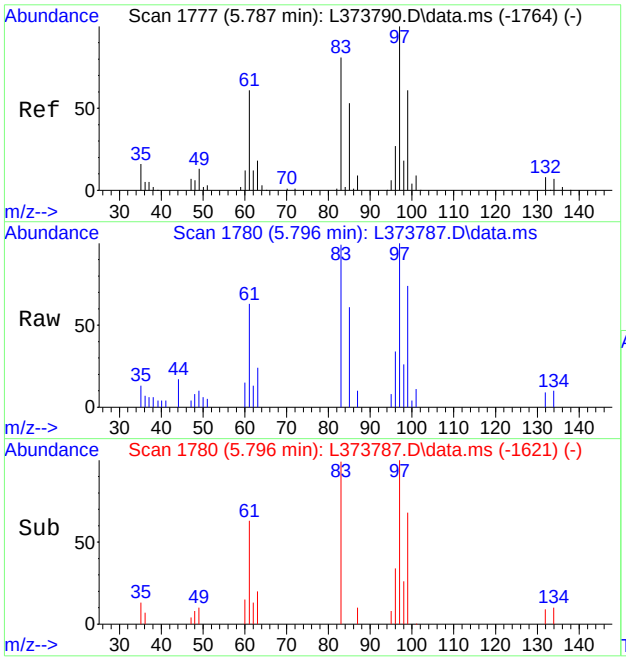


#76
ethyl methacrylate
Concen: 4.00 ug/L
RT: 5.658 min Scan# 1737
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 69 Resp: 17010

Ion	Ratio	Lower	Upper
69	100		
41	65.4	38.9	98.9
99	20.2	0.0	50.4
86	16.9	0.0	45.9

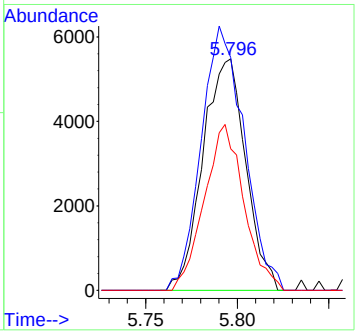


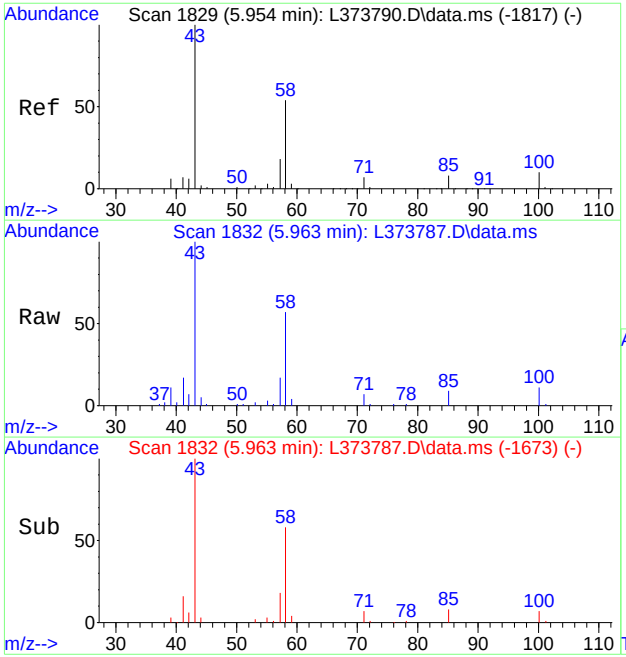


#77
1,1,2-trichloroethane
Concen: 4.21 ug/L
RT: 5.796 min Scan# 1780
Delta R.T. 0.010 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 83 Resp: 8940

Ion	Ratio	Lower	Upper
83	100		
97	100.7	93.6	153.6
85	61.1	35.4	95.4

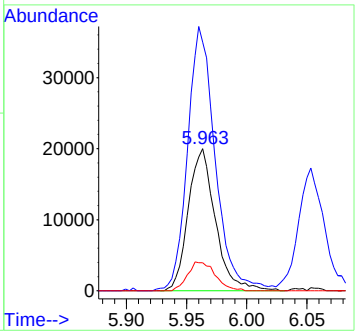


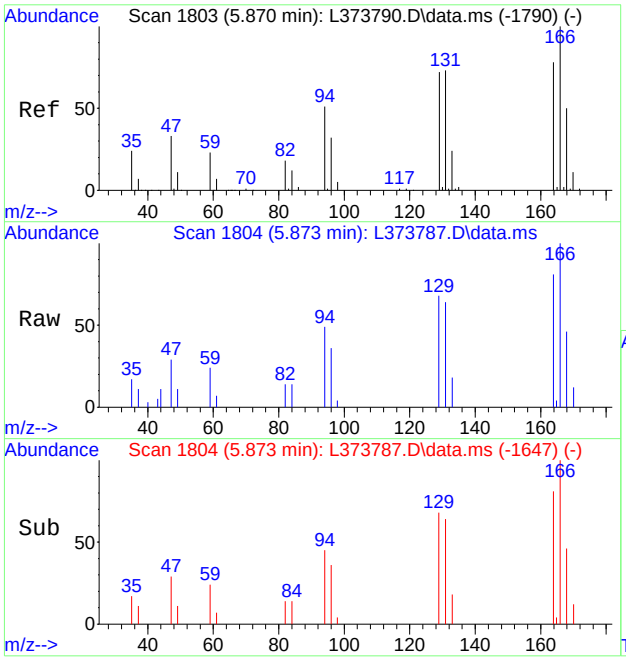


#78
2-hexanone
Concen: 16.47 ug/L
RT: 5.963 min Scan# 1832
Delta R.T. 0.010 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 58 Resp: 31426

Ion	Ratio	Lower	Upper
58	100		
43	173.1	154.6	214.6
100	19.7	0.0	49.0

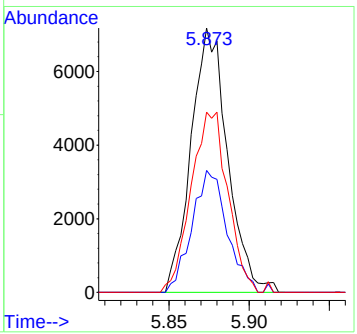


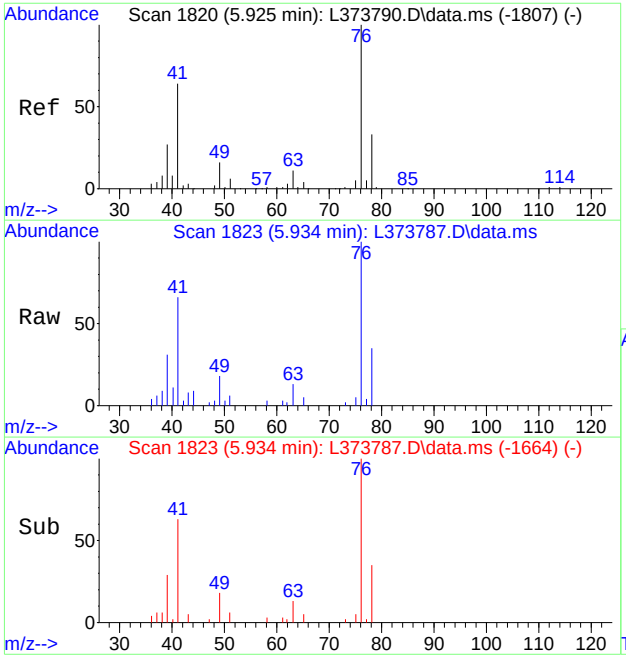


#79
tetrachloroethene
Concen: 4.49 ug/L
RT: 5.873 min Scan# 1804
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion:166 Resp: 11378

Ion	Ratio	Lower	Upper
166	100		
168	46.1	19.7	79.7
129	68.2	42.4	102.4

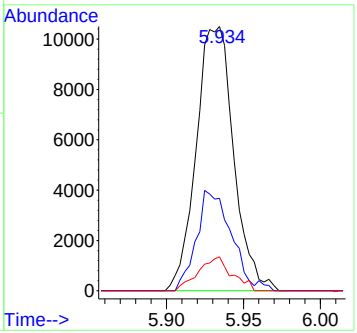


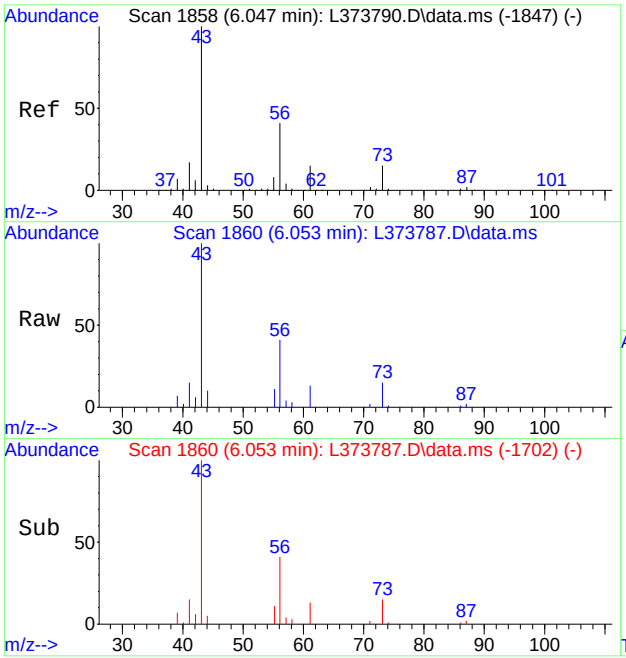


#80
1,3-dichloropropane
Concen: 4.38 ug/L
RT: 5.934 min Scan# 1823
Delta R.T. 0.010 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 76 Resp: 17743

Ion	Ratio	Lower	Upper
76	100		
78	35.0	2.7	62.7
63	12.9	0.0	41.2

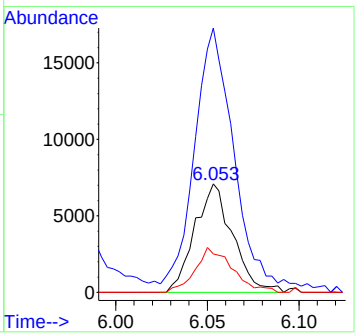


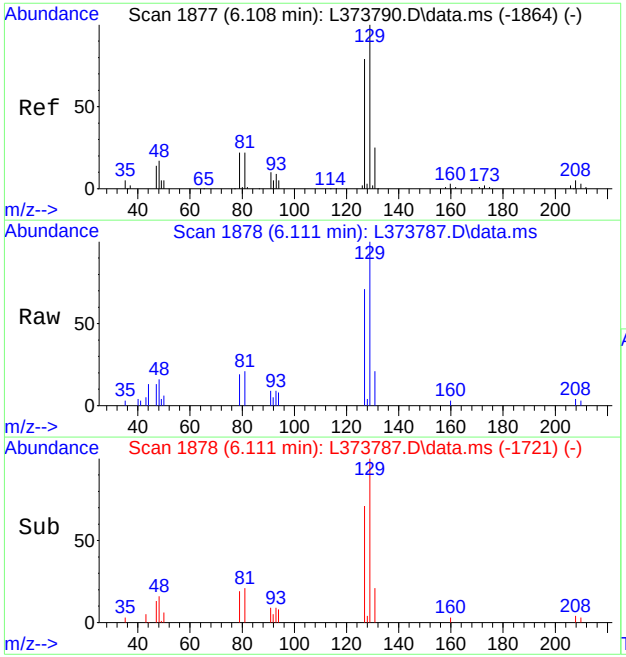


#81
butyl acetate
Concen: 4.05 ug/L
RT: 6.053 min Scan# 1860
Delta R.T. 0.006 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 56 Resp: 10272

Ion	Ratio	Lower	Upper
56	100		
43	236.1	218.3	278.3
73	35.6	7.2	67.2

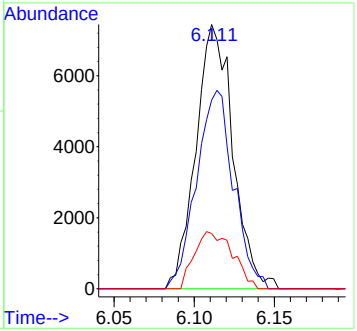


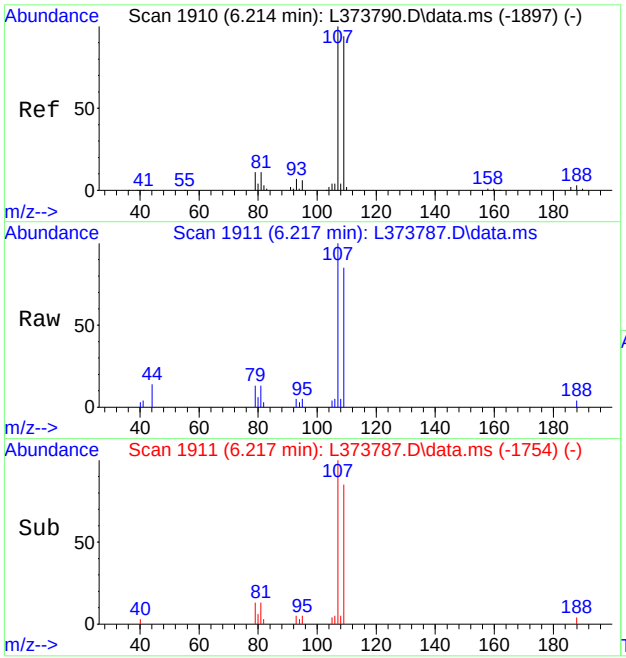


#82
dibromochloromethane
Concen: 4.31 ug/L
RT: 6.111 min Scan# 1878
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion:129 Resp: 11966

Ion	Ratio	Lower	Upper
129	100		
127	71.4	49.0	109.0
131	20.9	0.0	54.6

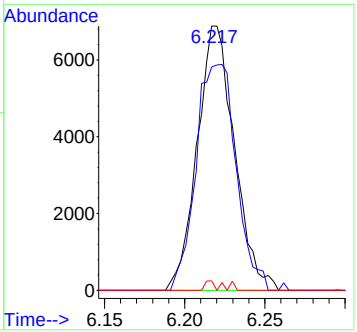


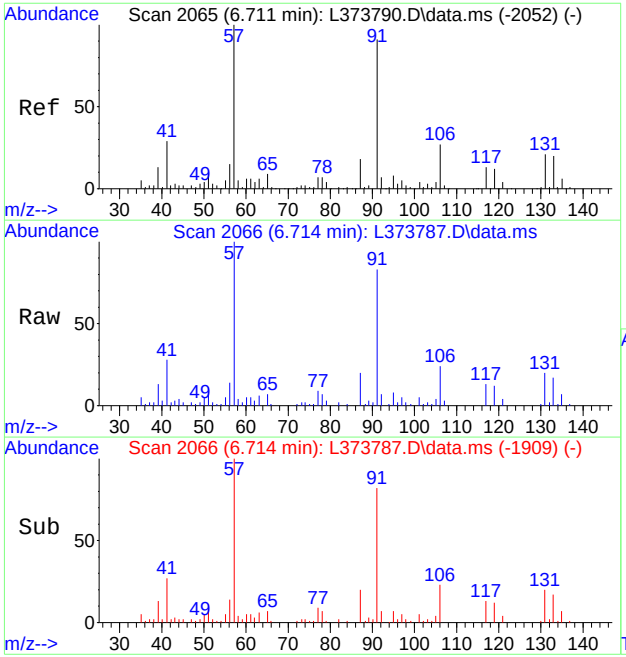


#83
1,2-dibromoethane
Concen: 4.34 ug/L
RT: 6.217 min Scan# 1911
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion:107 Resp: 11151

Ion	Ratio	Lower	Upper
107	100		
109	84.5	63.9	123.9
188	3.6	0.0	33.4

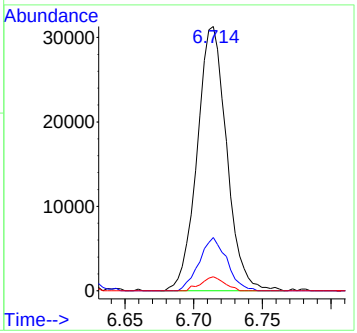


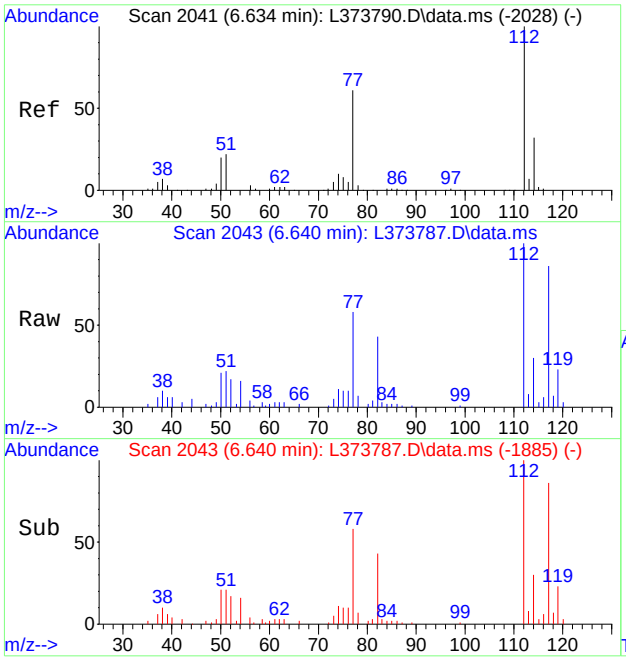


#84
n-butyl ether
Concen: 4.26 ug/L
RT: 6.714 min Scan# 2066
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 57 Resp: 46781

Ion	Ratio	Lower	Upper
57	100		
87	20.2	0.0	47.8
101	5.3	0.0	34.2

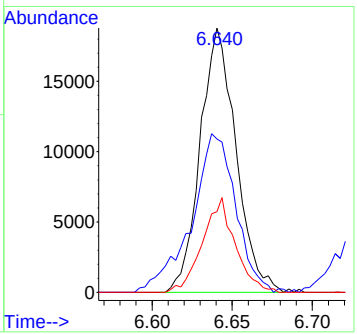


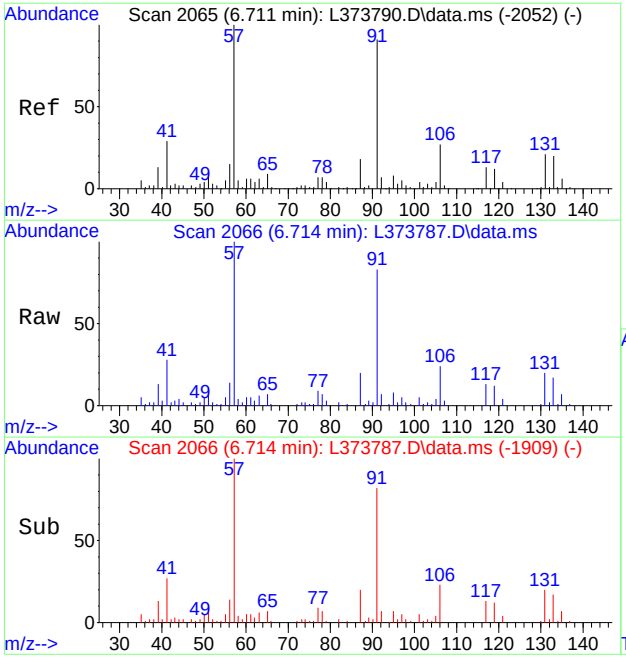


#85
chlorobenzene
Concen: 4.27 ug/L
RT: 6.640 min Scan# 2043
Delta R.T. 0.006 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion:112 Resp: 29227

Ion	Ratio	Lower	Upper
112	100		
77	56.9	30.8	90.8
114	30.5	2.4	62.4

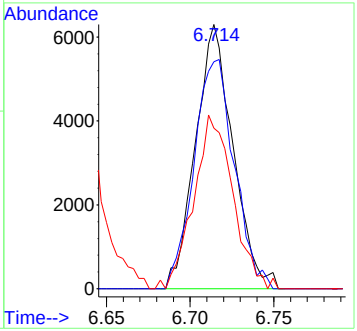


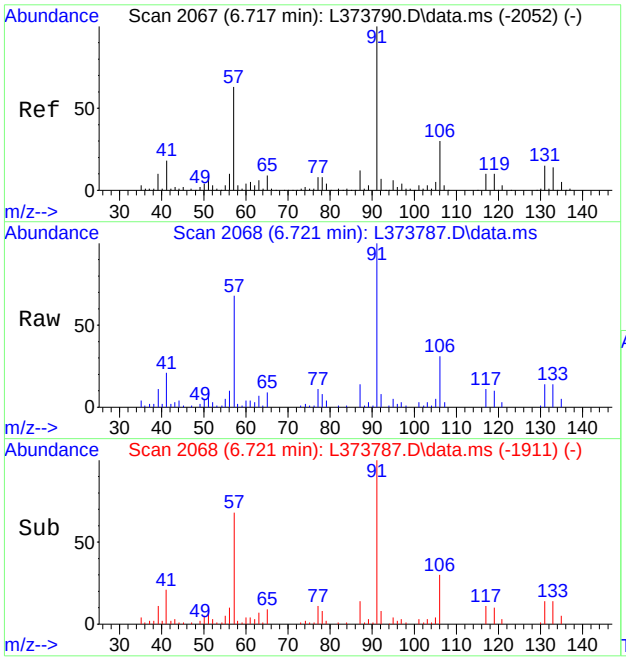


#86
1,1,1,2-tetrachloroethane
Concen: 4.52 ug/L
RT: 6.714 min Scan# 2066
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion:131 Resp: 9839

Ion	Ratio	Lower	Upper
131	100		
133	85.9	65.1	125.1
119	60.7	30.8	90.8

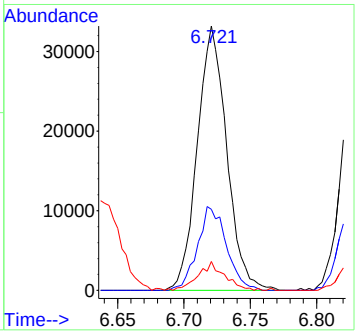


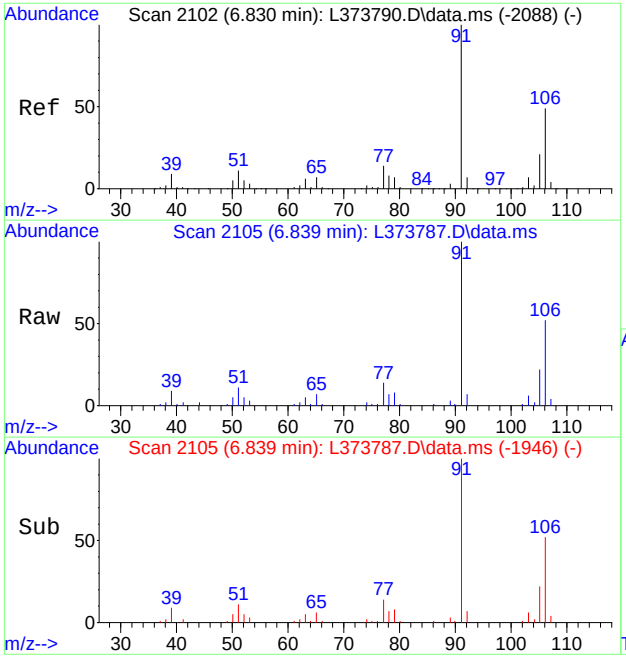


#87
ethylbenzene
Concen: 4.38 ug/L
RT: 6.721 min Scan# 2068
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 91 Resp: 51207

Ion	Ratio	Lower	Upper
91	100		
106	30.6	0.1	60.1
77	10.9	0.0	38.6

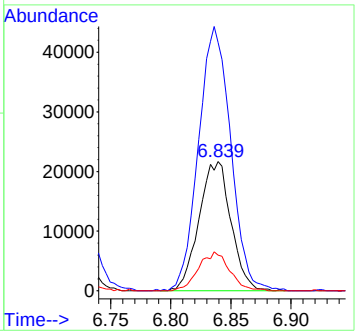


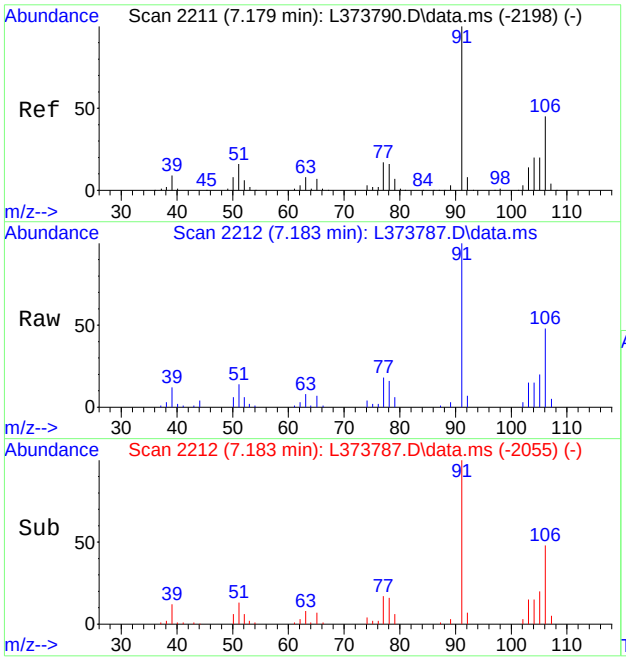


#88
m,p-xylene
Concen: 8.78 ug/L
RT: 6.839 min Scan# 2105
Delta R.T. 0.010 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion:106 Resp: 40081

Ion	Ratio	Lower	Upper
106	100		
91	192.2	175.7	235.7
77	27.6	8.1	48.1

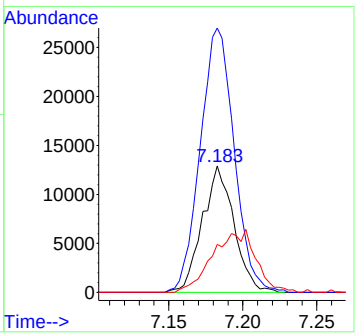


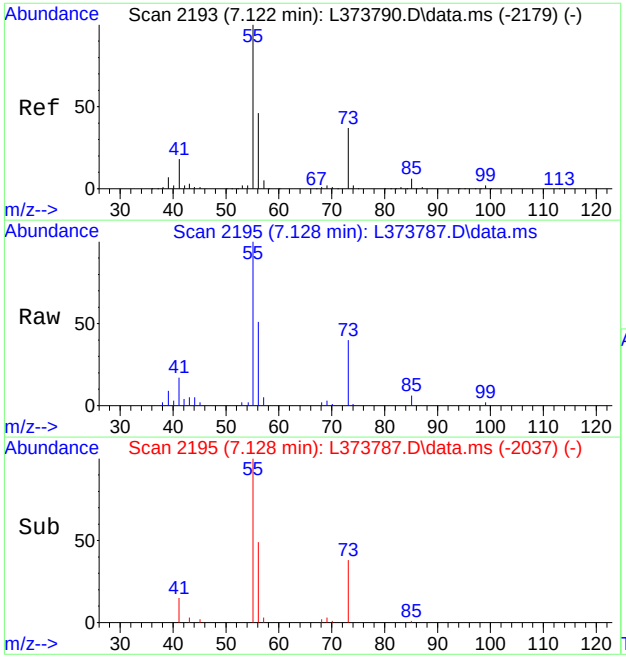


#89
o-xylene
Concen: 4.24 ug/L
RT: 7.183 min Scan# 2212
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion:106 Resp: 19129

Ion	Ratio	Lower	Upper
106	100		
91	209.2	194.5	254.5
77	38.0	18.1	58.1

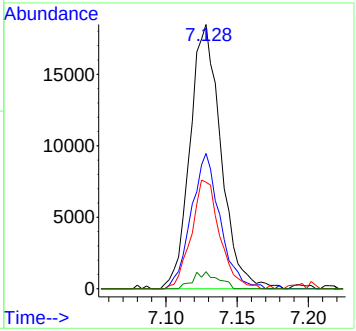


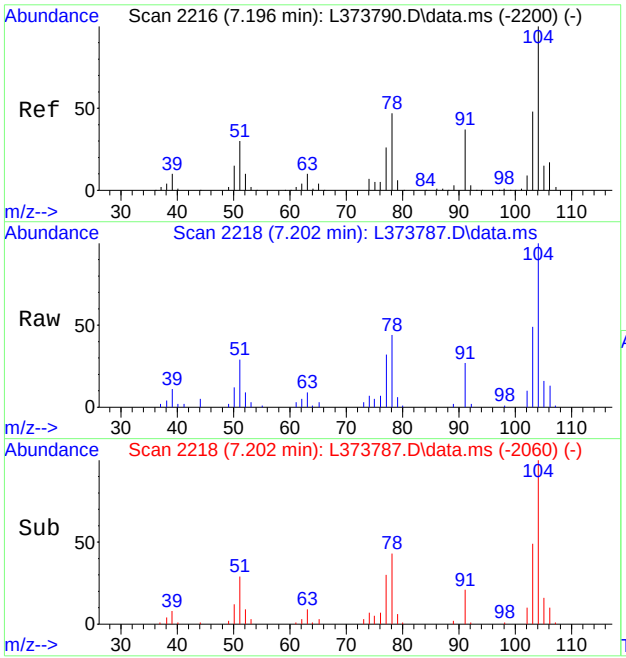


#90
butyl acrylate
Concen: 4.04 ug/L
RT: 7.128 min Scan# 2195
Delta R.T. 0.006 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 55 Resp: 27925

Ion	Ratio	Lower	Upper
55	100		
56	51.2	26.3	66.3
73	40.3	17.5	57.5
85	6.5	0.0	25.6

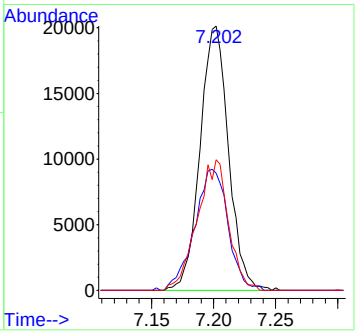


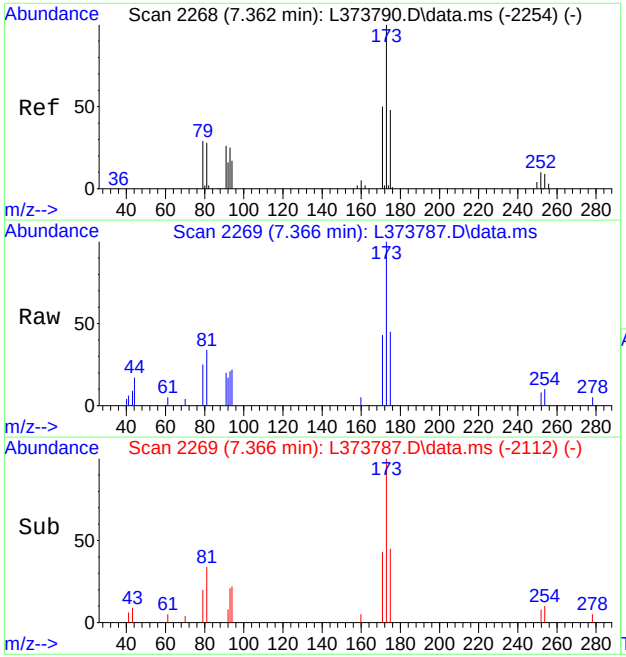


#91
styrene
Concen: 4.33 ug/L
RT: 7.202 min Scan# 2218
Delta R.T. 0.006 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion:104 Resp: 32111

Ion	Ratio	Lower	Upper
104	100		
78	44.4	16.8	76.8
103	49.4	17.7	77.7

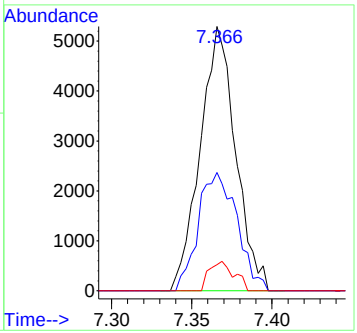


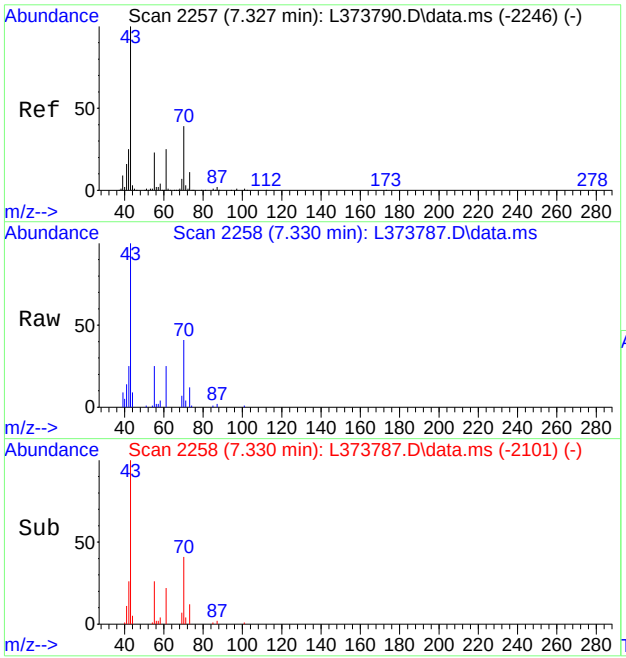


#92
bromoform
Concen: 4.11 ug/L
RT: 7.366 min Scan# 2269
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion:173 Resp: 8145

Ion	Ratio	Lower	Upper
173	100		
175	44.8	17.8	77.8
254	9.9	0.0	39.4

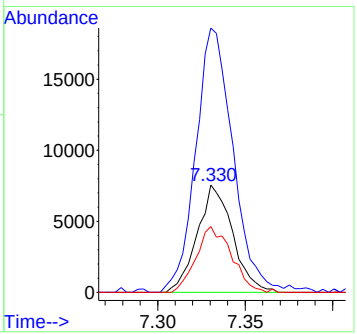


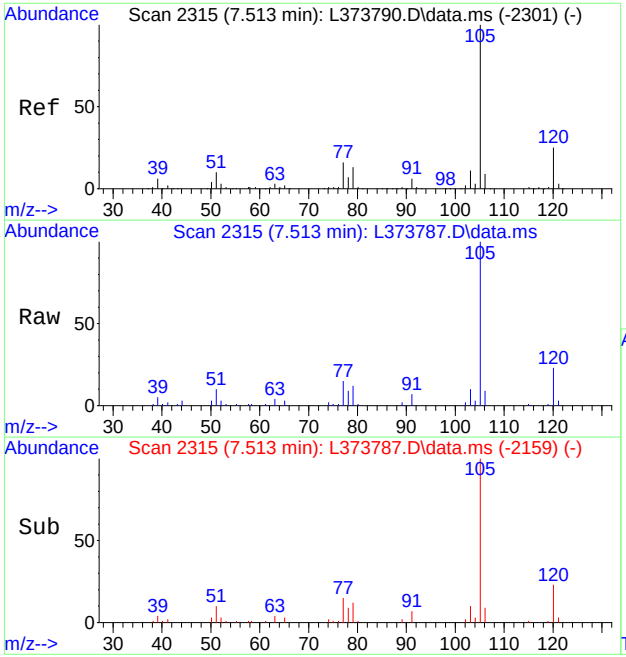


#93
n-amyl acetate
Concen: 4.13 ug/L
RT: 7.330 min Scan# 2258
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 70 Resp: 10646

Ion	Ratio	Lower	Upper
70	100		
43	246.2	233.4	273.4
61	61.3	42.6	82.6

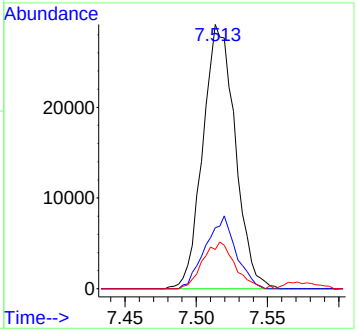


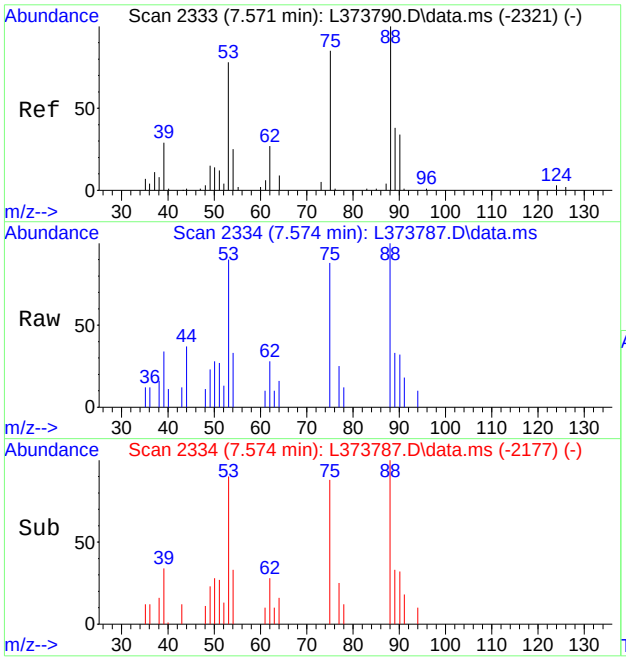


#94
isopropylbenzene
Concen: 4.30 ug/L
RT: 7.513 min Scan# 2315
Delta R.T. 0.000 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion:105 Resp: 45913

Ion	Ratio	Lower	Upper
105	100		
120	23.1	5.2	45.2
77	14.9	0.0	36.2

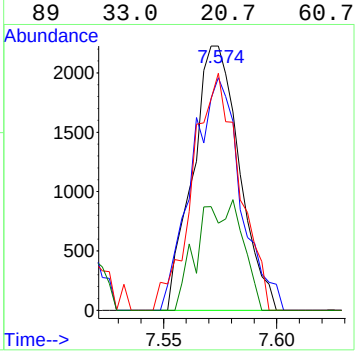


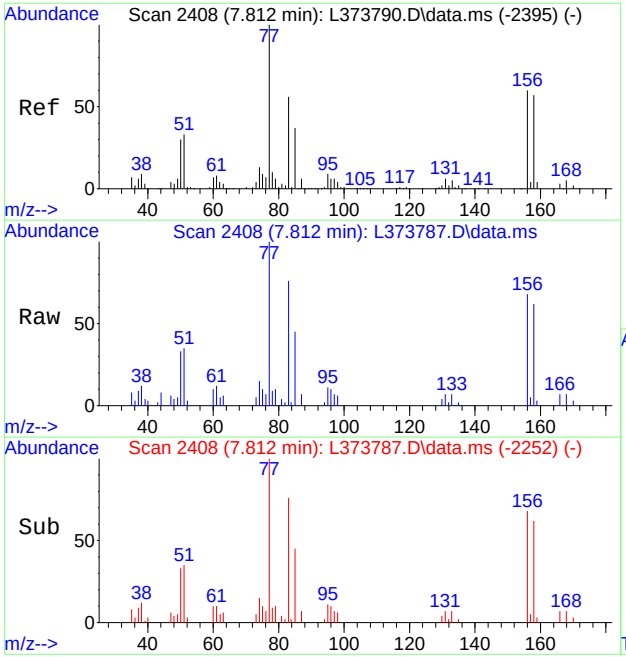


#95
cis-1,4-dichloro-2-butene
Concen: 3.60 ug/L
RT: 7.574 min Scan# 2334
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 88 Resp: 3181

Ion	Ratio	Lower	Upper
88	100		
75	88.0	66.5	106.5
53	89.7	59.7	99.7
89	33.0	20.7	60.7

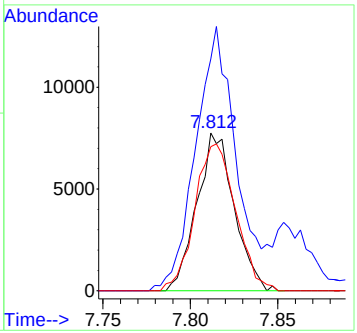


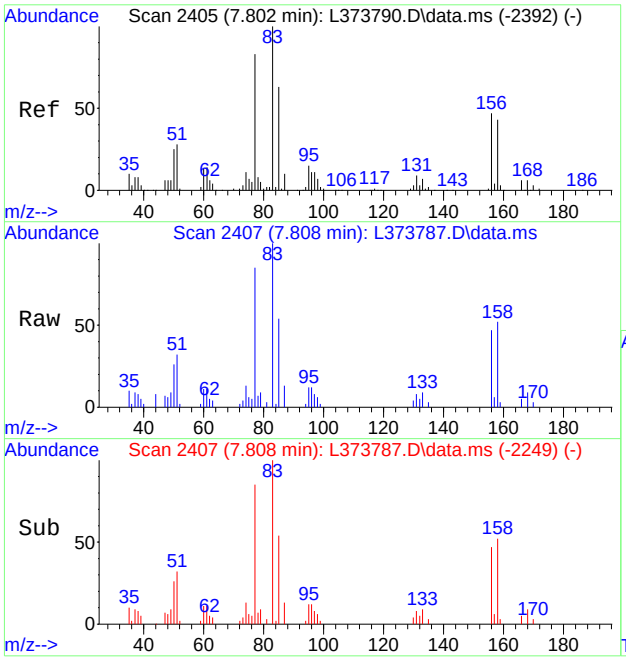


#98
bromobenzene
Concen: 4.30 ug/L
RT: 7.812 min Scan# 2408
Delta R.T. 0.000 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion:156 Resp: 11516

Ion	Ratio	Lower	Upper
156	100		
77	143.6	137.0	197.0
158	91.3	65.5	125.5

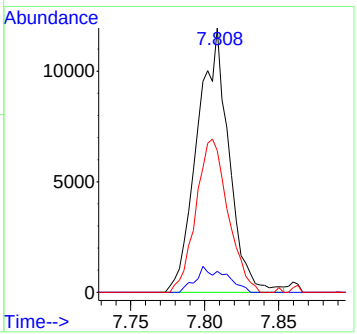


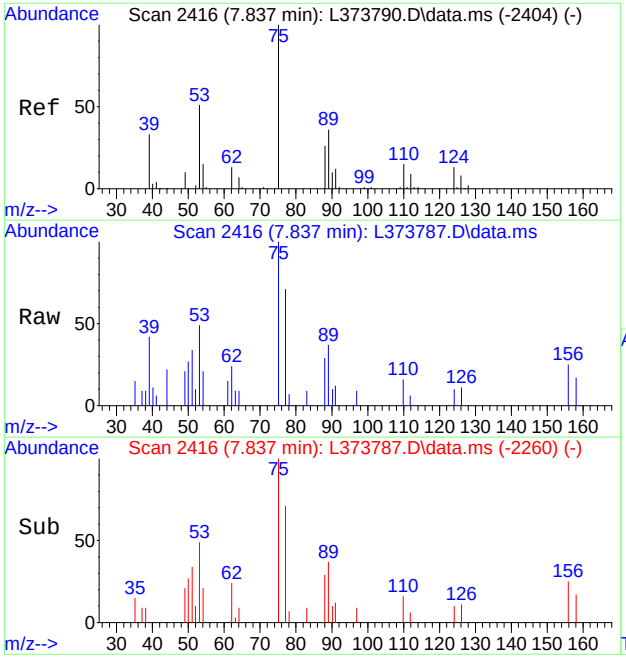


#99
1,1,2,2-tetrachloroethane
Concen: 4.26 ug/L
RT: 7.808 min Scan# 2407
Delta R.T. 0.006 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 83 Resp: 17803

Ion	Ratio	Lower	Upper
83	100		
131	8.0	0.0	38.9
85	53.6	33.3	93.3

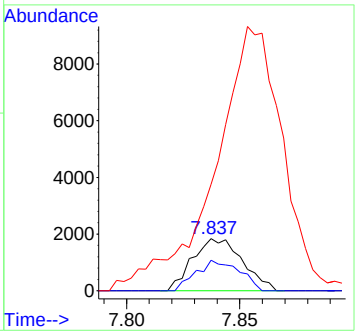


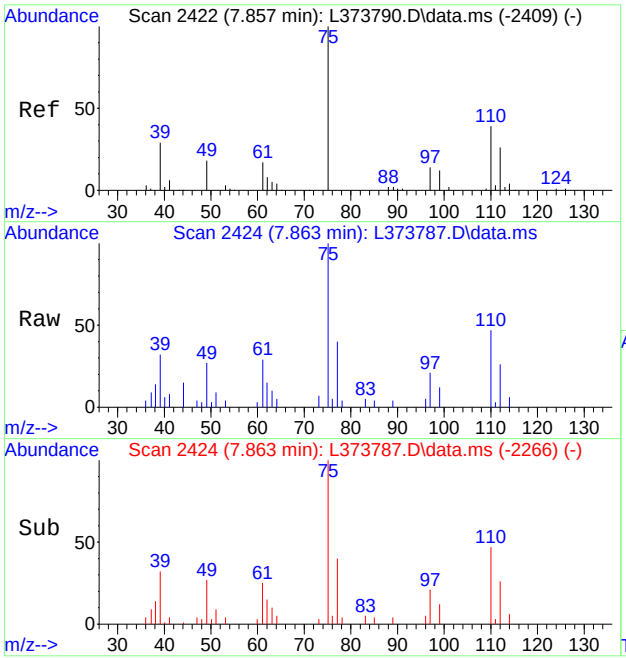


#100
trans-1,4-dichloro-2-butene
Concen: 3.54 ug/L
RT: 7.837 min Scan# 2416
Delta R.T. 0.000 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 53 Resp: 2823

Ion	Ratio	Lower	Upper
53	100		
88	58.9	21.0	81.0
75	144.5	165.8	225.8#

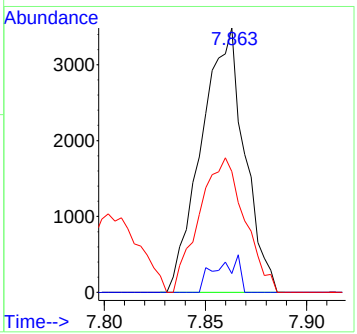


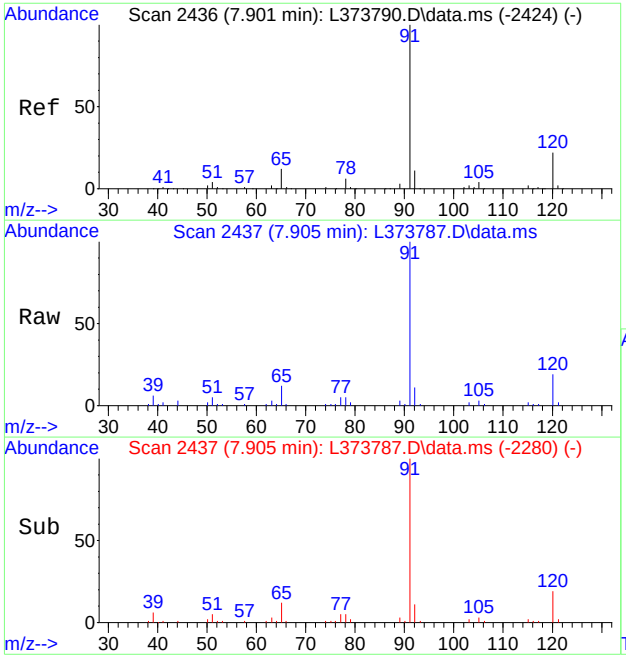


#101
1,2,3-trichloropropane
Concen: 4.04 ug/L
RT: 7.863 min Scan# 2424
Delta R.T. 0.006 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion:110 Resp: 5170

Ion	Ratio	Lower	Upper
110	100		
111	7.1	0.0	38.4
97	45.7	22.5	82.5

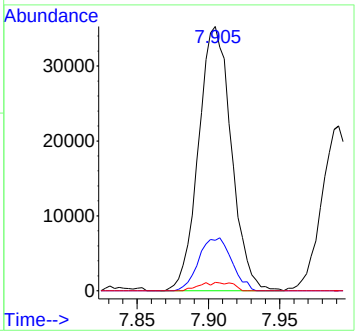


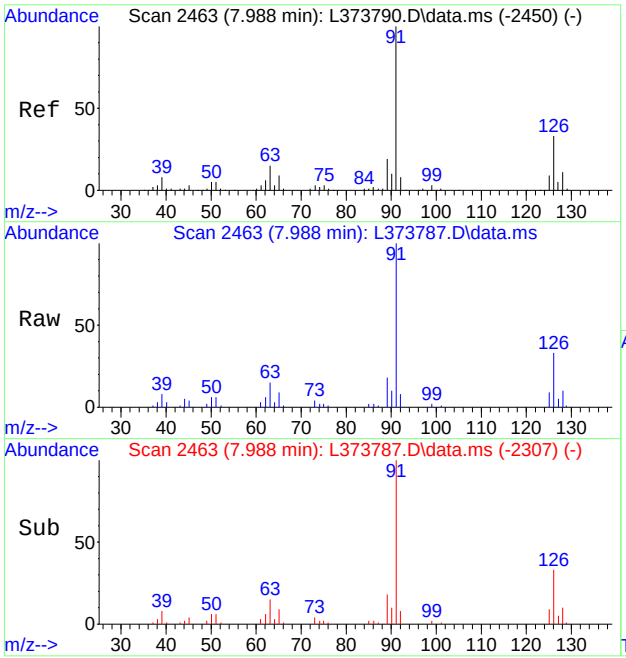


#102
n-propylbenzene
Concen: 4.46 ug/L
RT: 7.905 min Scan# 2437
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 91 Resp: 56367

Ion	Ratio	Lower	Upper
91	100		
120	19.1	0.0	51.5
105	3.2	0.0	33.7

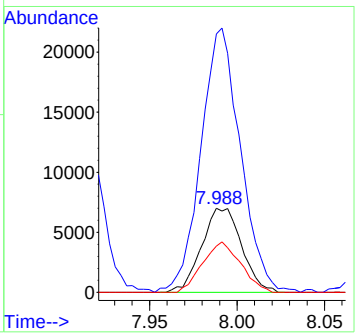




#103
2-chlorotoluene
Concen: 4.49 ug/L
RT: 7.988 min Scan# 2463
Delta R.T. 0.000 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

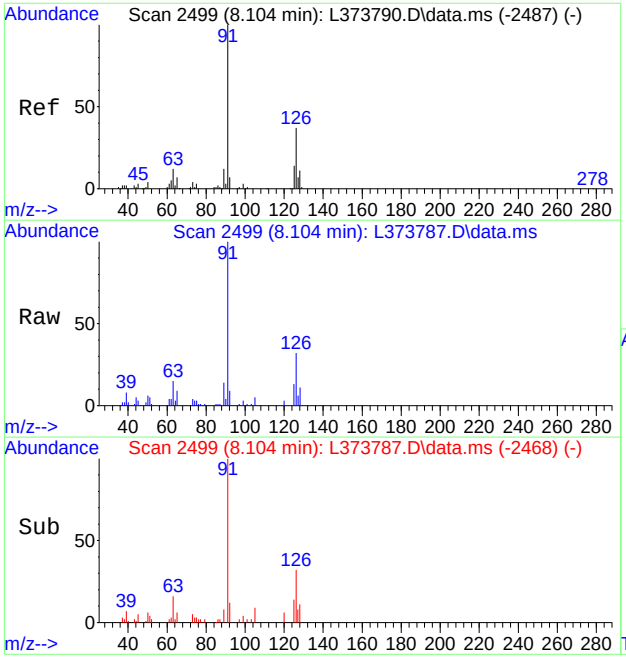
Tgt Ion:126 Resp: 11168

Ion	Ratio	Lower	Upper
126	100		
91	302.1	276.4	336.4
89	55.1	28.8	88.8



7.6.5

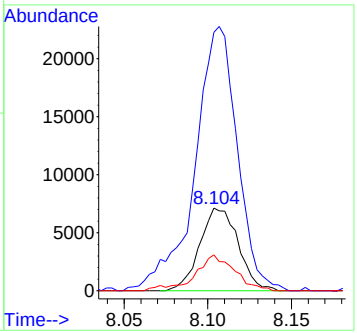
7

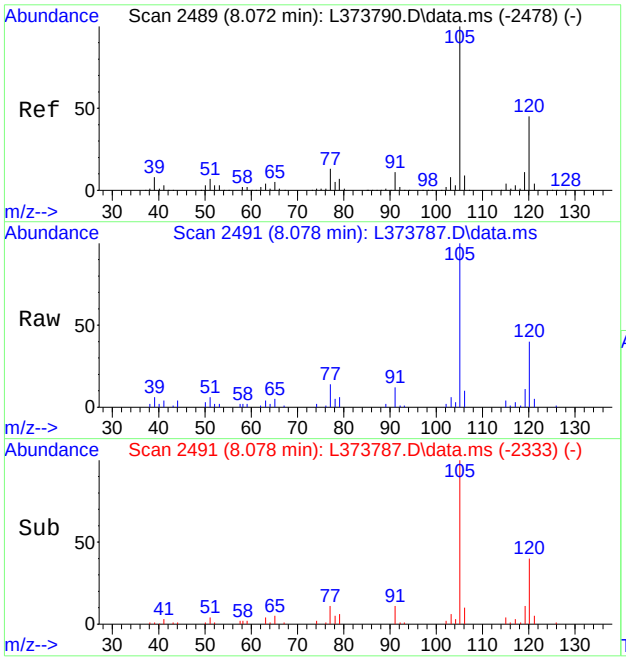


#104
4-chlorotoluene
Concen: 4.21 ug/L
RT: 8.104 min Scan# 2499
Delta R.T. 0.000 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion:126 Resp: 11412

Ion	Ratio	Lower	Upper
126	100		
91	308.9	265.5	325.5
89	43.3	5.5	65.5

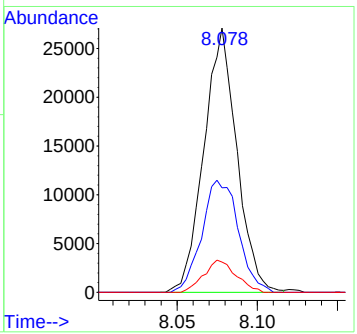


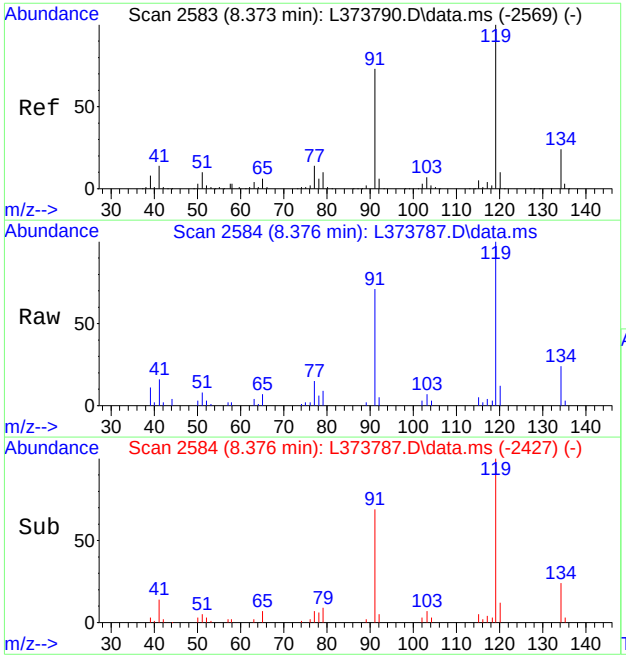


#105
1,3,5-trimethylbenzene
Concen: 4.37 ug/L
RT: 8.078 min Scan# 2491
Delta R.T. 0.006 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion:105 Resp: 38702

Ion	Ratio	Lower	Upper
105	100		
120	39.6	14.9	74.9
119	11.5	0.0	40.8

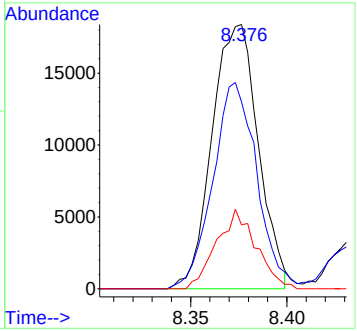


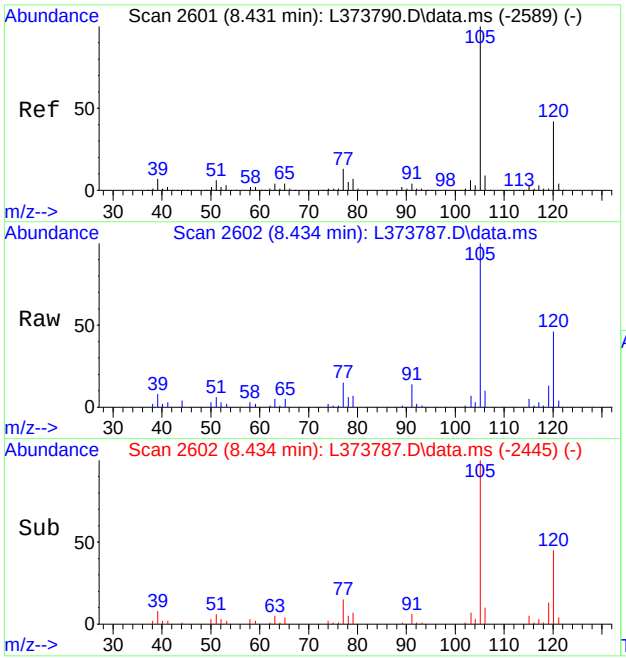


#106
tert-butylbenzene
Concen: 4.32 ug/L
RT: 8.376 min Scan# 2584
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion:119 Resp: 30733

Ion	Ratio	Lower	Upper
119	100		
91	70.7	42.9	102.9
134	24.2	0.0	54.4

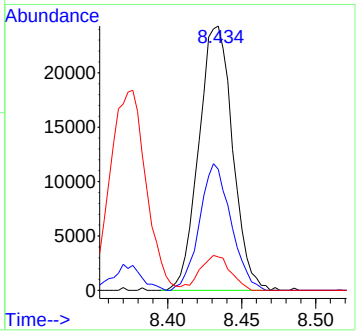


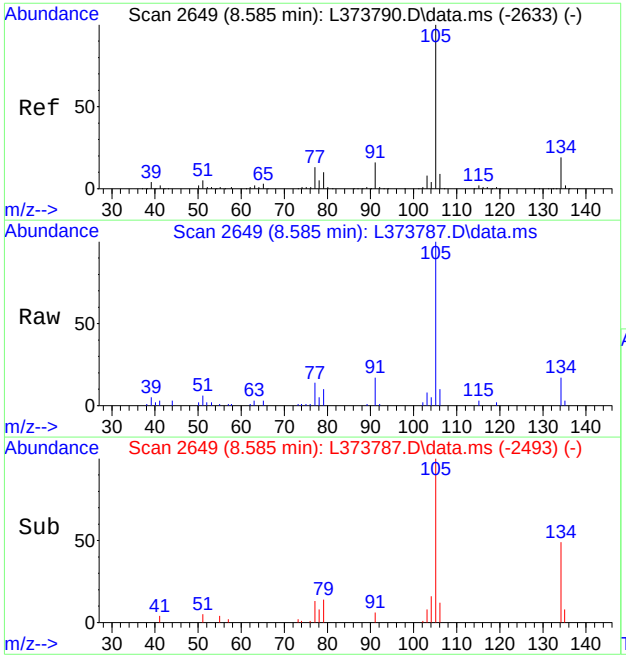


#107
1,2,4-trimethylbenzene
Concen: 4.33 ug/L
RT: 8.434 min Scan# 2602
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion:105 Resp: 38641

Ion	Ratio	Lower	Upper
105	100		
120	45.8	13.1	73.1
119	12.7	0.0	41.9

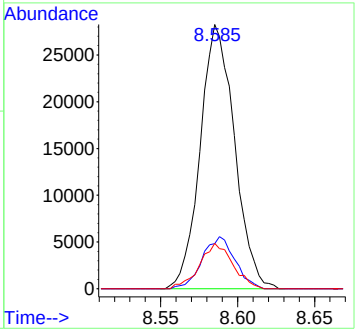


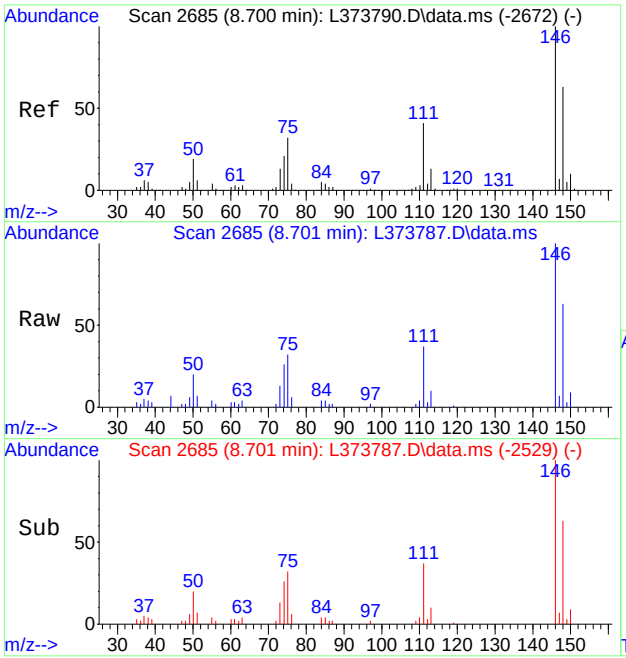


#108
sec-butylbenzene
Concen: 4.32 ug/L
RT: 8.585 min Scan# 2649
Delta R.T. 0.000 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion:105 Resp: 43801

Ion	Ratio	Lower	Upper
105	100		
134	17.1	0.0	48.8
91	17.2	0.0	45.9

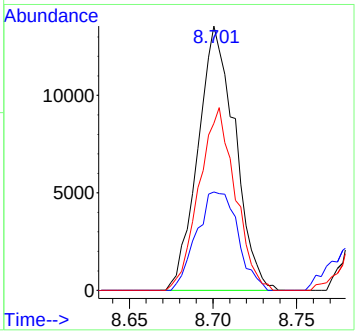


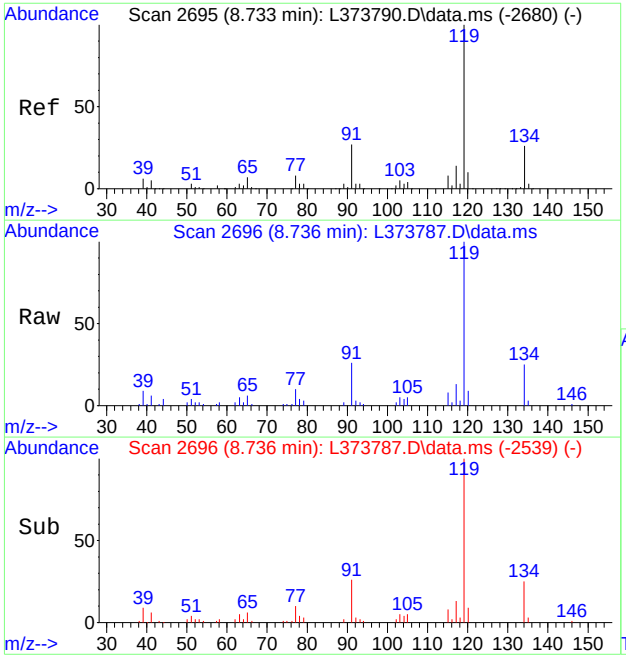


#109
1,3-dichlorobenzene
Concen: 4.16 ug/L
RT: 8.701 min Scan# 2685
Delta R.T. 0.000 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion:146 Resp: 20891

Ion	Ratio	Lower	Upper
146	100		
111	37.2	11.0	71.0
148	63.2	33.0	93.0

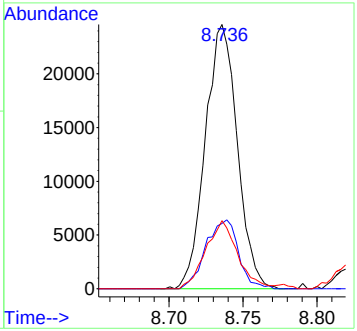


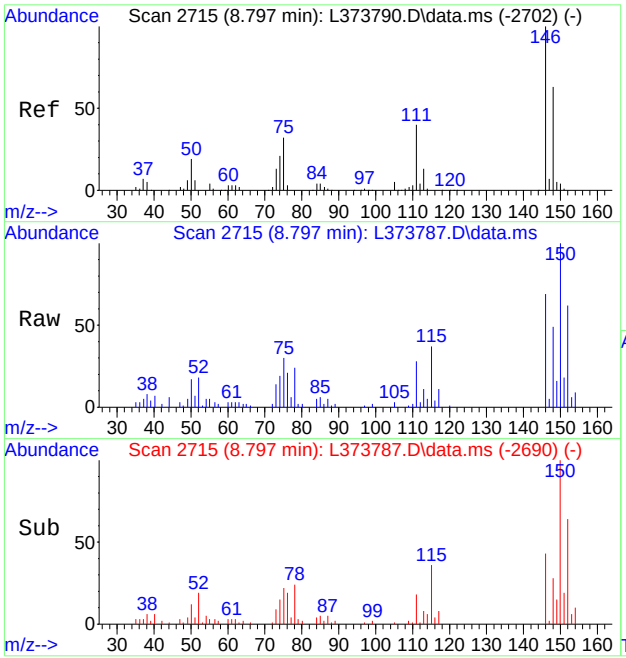


#110
p-isopropyltoluene
Concen: 4.44 ug/L
RT: 8.736 min Scan# 2696
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion:119 Resp: 36883

Ion	Ratio	Lower	Upper
119	100		
134	24.8	0.0	56.5
91	25.8	0.0	56.9

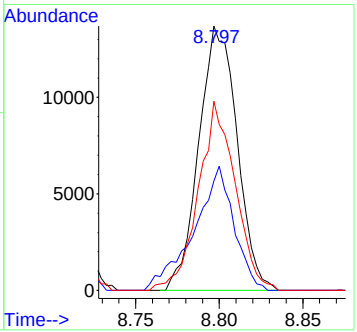


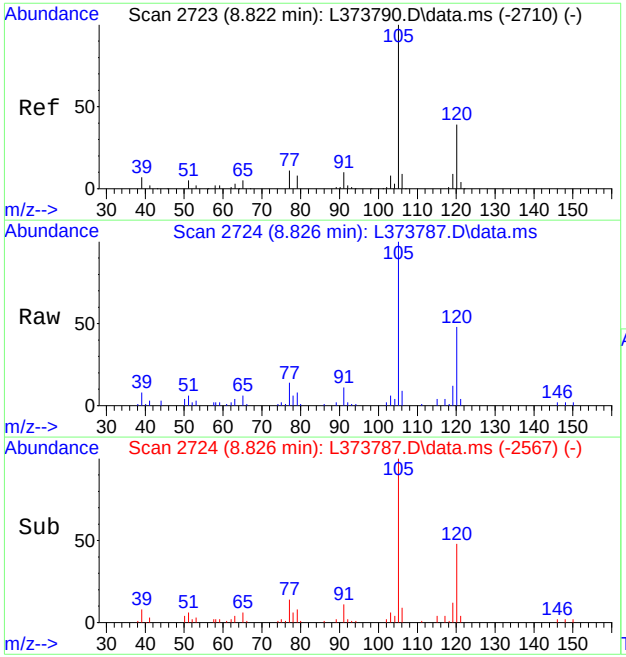


#111
1,4-dichlorobenzene
Concen: 4.16 ug/L
RT: 8.797 min Scan# 2715
Delta R.T. 0.000 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion:146 Resp: 21827

Ion	Ratio	Lower	Upper
146	100		
111	41.4	9.7	69.7
148	71.5	33.0	93.0

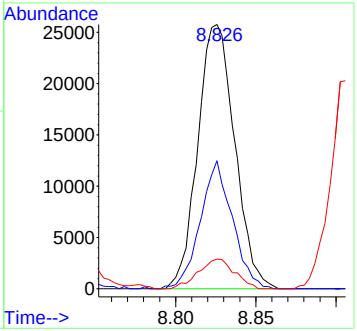


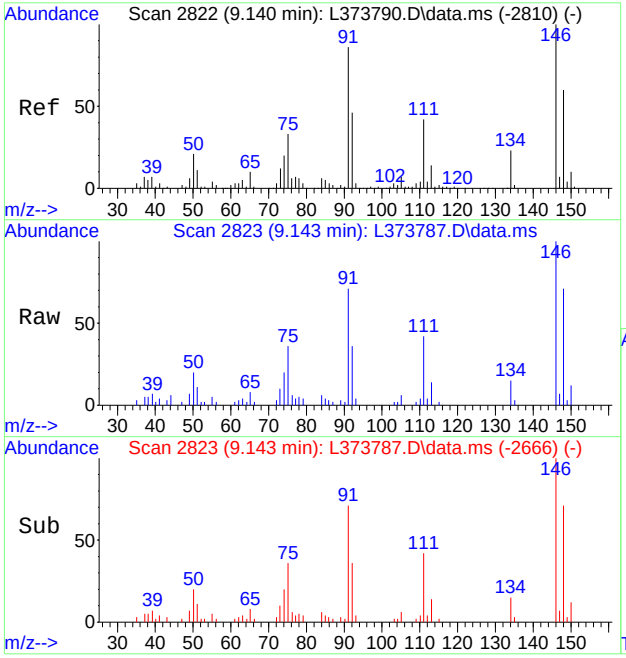


#112
1,2,3-trimethylbenzene
Concen: 4.28 ug/L
RT: 8.826 min Scan# 2724
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion:105 Resp: 41398

Ion	Ratio	Lower	Upper
105	100		
120	48.4	8.8	68.8
91	11.2	0.0	40.2

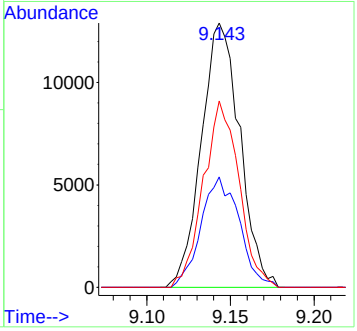


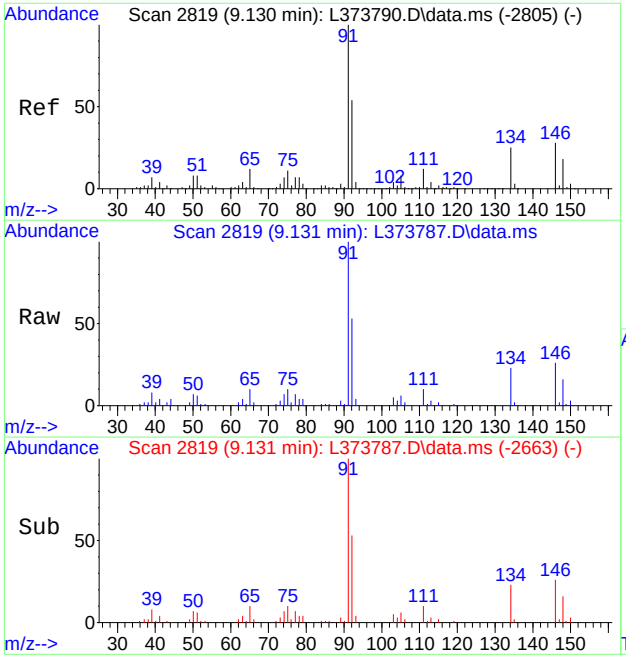


#113
1,2-dichlorobenzene
Concen: 4.31 ug/L
RT: 9.143 min Scan# 2823
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion:146 Resp: 20637

Ion	Ratio	Lower	Upper
146	100		
111	41.8	12.1	72.1
148	70.5	30.4	90.4

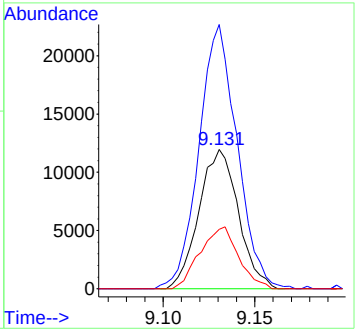


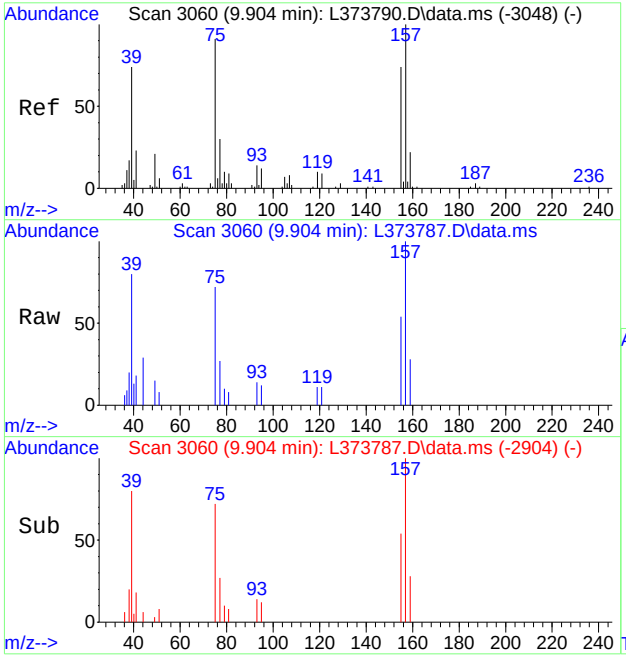


#114
n-butylbenzene
Concen: 4.35 ug/L
RT: 9.131 min Scan# 2819
Delta R.T. 0.000 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 92 Resp: 17969

Ion	Ratio	Lower	Upper
92	100		
91	188.2	155.4	215.4
134	42.8	15.6	75.6

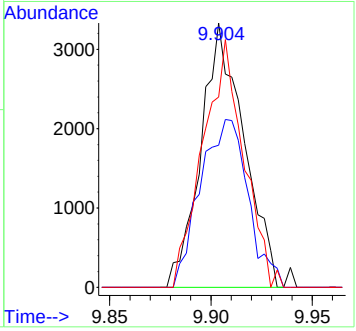


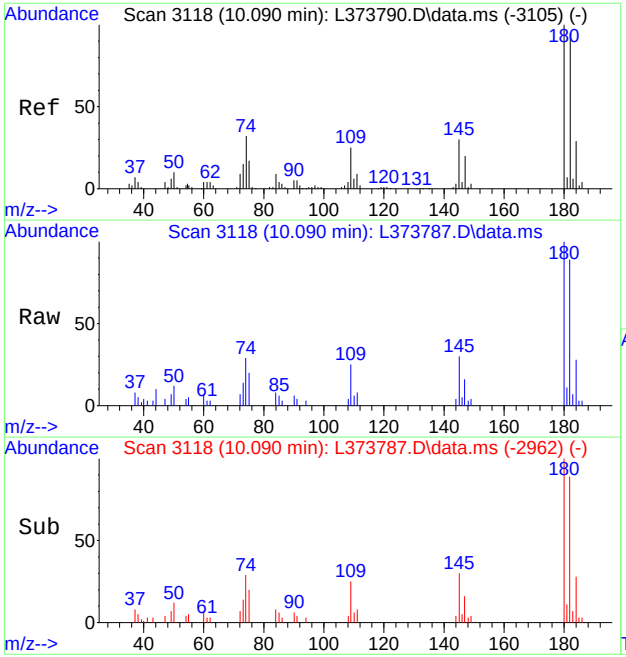


#115
1,2-dibromo-3-chloropropane
Concen: 4.46 ug/L
RT: 9.904 min Scan# 3060
Delta R.T. 0.000 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion:157 Resp: 4910

Ion	Ratio	Lower	Upper
157	100		
155	53.8	44.1	104.1
75	71.9	60.9	120.9

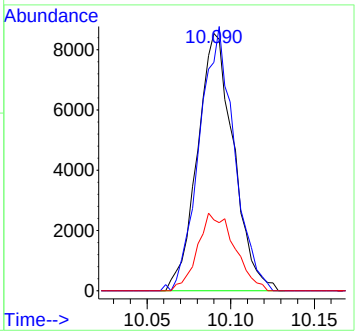


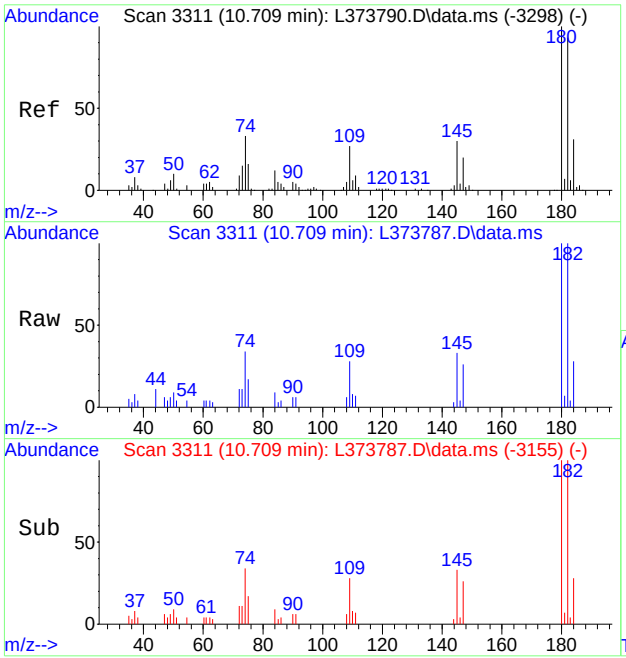


#116
1,3,5-trichlorobenzene
Concen: 4.31 ug/L
RT: 10.090 min Scan# 3118
Delta R.T. 0.000 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion:180 Resp: 12836

Ion	Ratio	Lower	Upper
180	100		
182	88.9	65.0	125.0
184	27.6	0.0	59.4

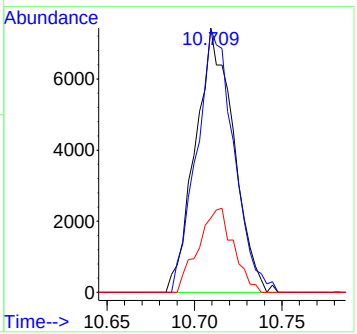


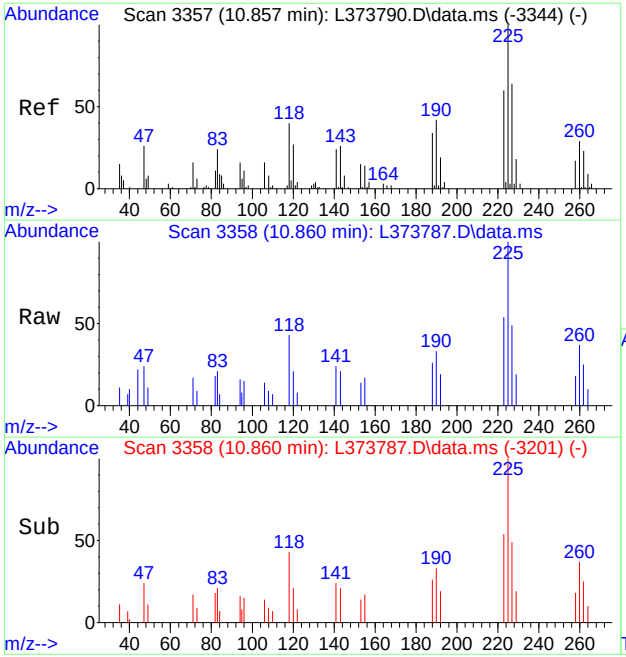


#117
1,2,4-trichlorobenzene
Concen: 4.26 ug/L
RT: 10.709 min Scan# 3311
Delta R.T. 0.000 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion:180 Resp: 11284

Ion	Ratio	Lower	Upper
180	100		
182	99.7	63.1	123.1
184	28.1	0.8	60.8

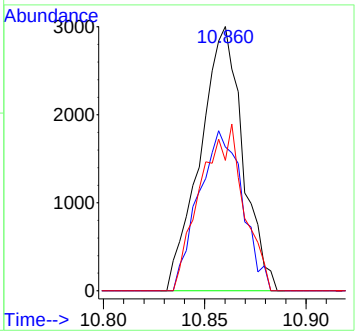


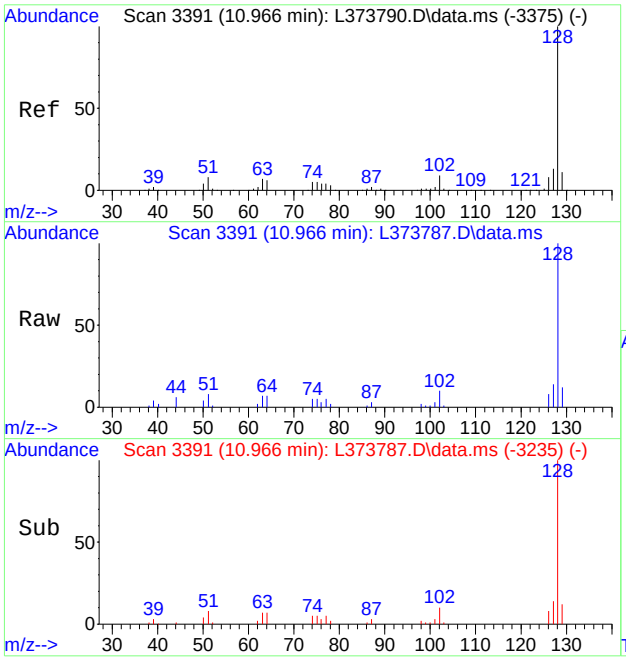


#118
hexachlorobutadiene
Concen: 4.46 ug/L
RT: 10.860 min Scan# 3358
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion:225 Resp: 4395

Ion	Ratio	Lower	Upper
225	100		
223	54.4	30.0	90.0
227	49.3	33.8	93.8

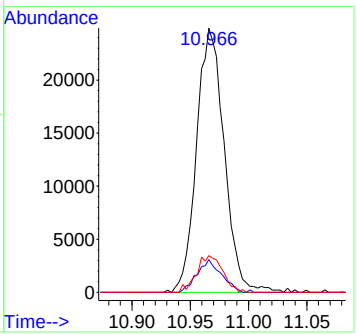


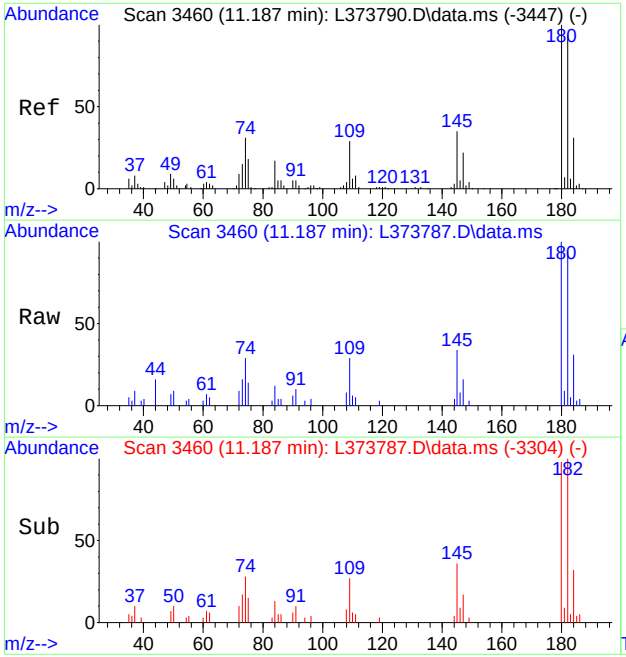


#119
naphthalene
Concen: 4.12 ug/L
RT: 10.966 min Scan# 3391
Delta R.T. 0.000 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion:128 Resp: 41187

Ion	Ratio	Lower	Upper
128	100		
129	12.5	0.0	41.1
127	13.9	0.0	42.9

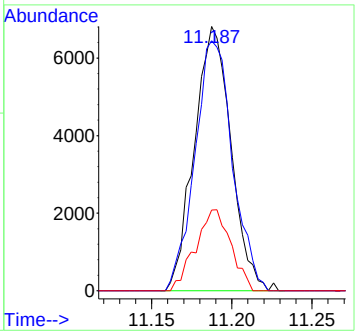


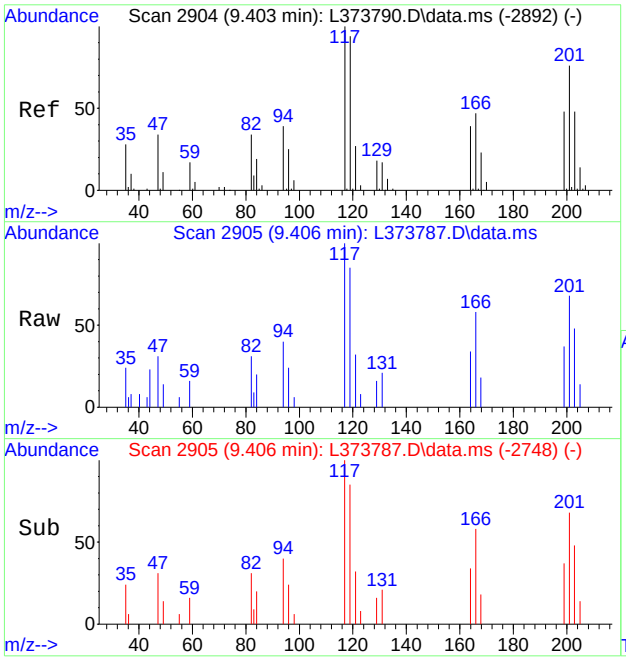


#120
1,2,3-trichlorobenzene
Concen: 4.23 ug/L
RT: 11.187 min Scan# 3460
Delta R.T. 0.000 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion:180 Resp: 10870

Ion	Ratio	Lower	Upper
180	100		
182	94.5	63.9	123.9
184	30.6	1.2	61.2

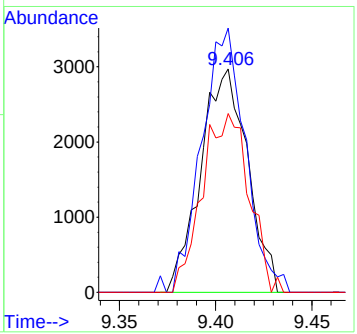


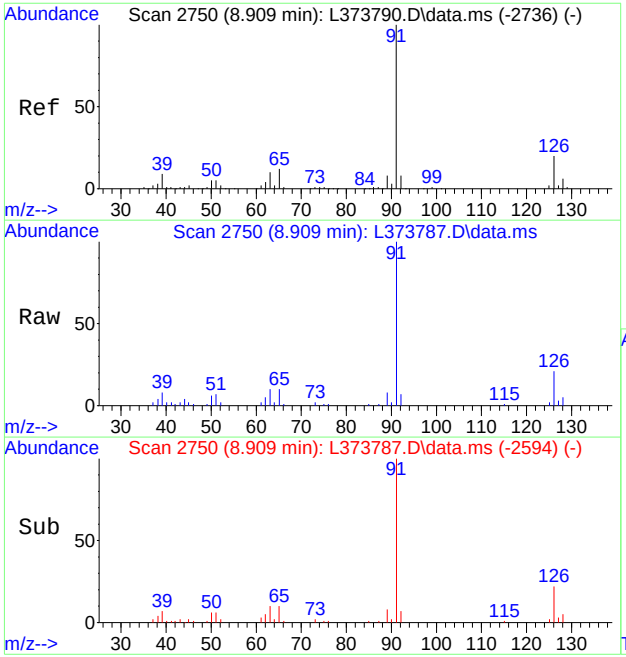


#121
hexachloroethane
Concen: 4.09 ug/L
RT: 9.406 min Scan# 2905
Delta R.T. 0.003 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion:119 Resp: 5060

Ion	Ratio	Lower	Upper
119	100		
117	110.9	76.2	136.2
201	80.1	51.2	111.2

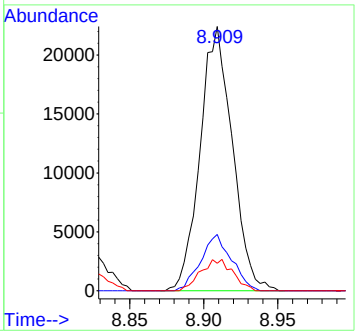


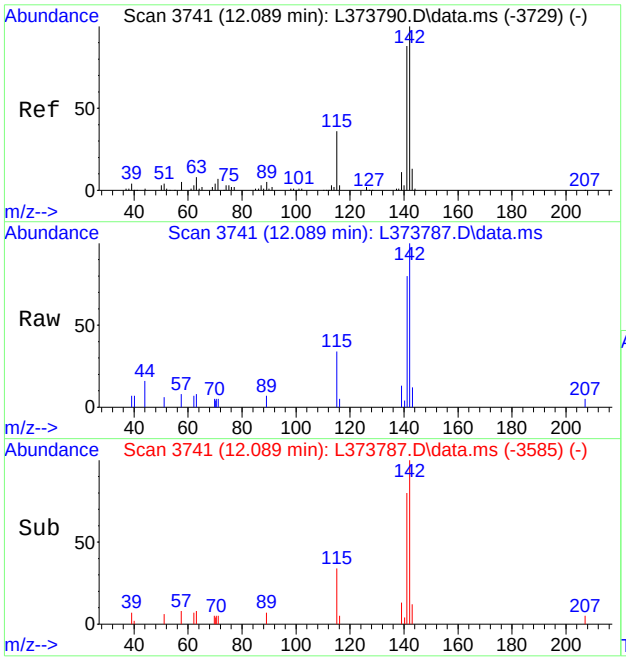


#122
benzyl chloride
Concen: 4.24 ug/L
RT: 8.909 min Scan# 2750
Delta R.T. 0.000 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion: 91 Resp: 33873

Ion	Ratio	Lower	Upper
91	100		
126	21.3	0.0	49.8
65	10.4	0.0	41.8

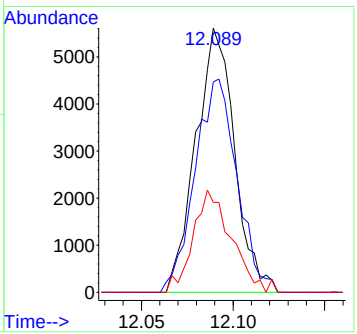




#123
2-methylnaphthalene
Concen: 2.15 ug/L
RT: 12.089 min Scan# 3741
Delta R.T. 0.000 min
Lab File: L373787.D
Acq: 16 Oct 2025 7:41 pm

Tgt Ion:142 Resp: 8308

Ion	Ratio	Lower	Upper
142	100		
141	79.6	68.0	108.0
115	34.0	15.9	55.9



Manual Integration Approval Summary

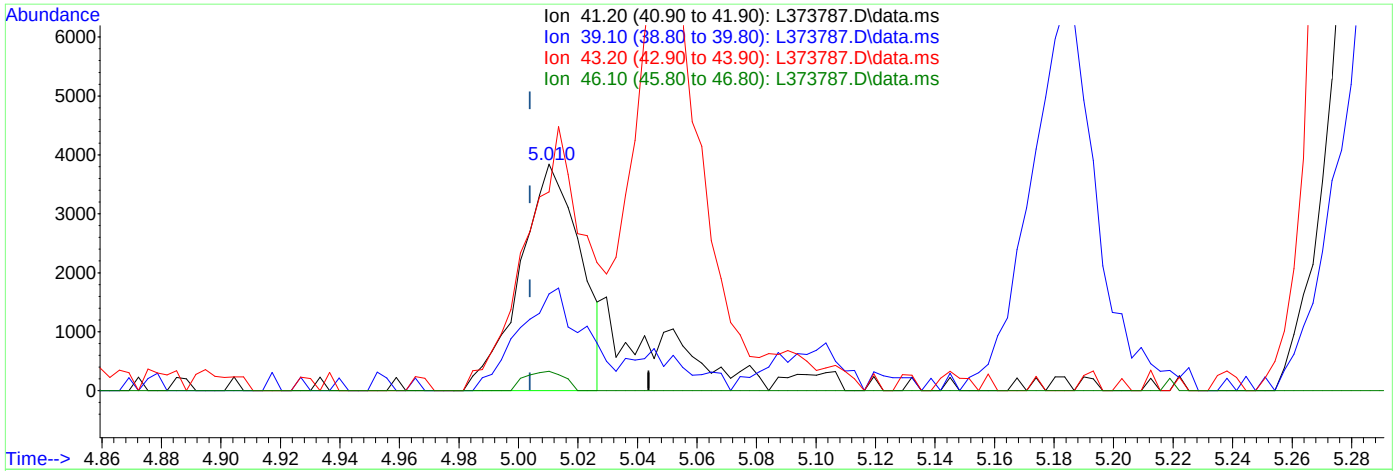
Sample Number:	VL11472-IC11472	**Method:**	SW846 8260D
Lab FileID:	L373787.D	**Analyst approved:**	10/19/25 11:25 MoHui Huang
Injection Time:	10/16/25 19:41	**Supervisor approved:**	10/20/25 12:58 Kanya Veerawat

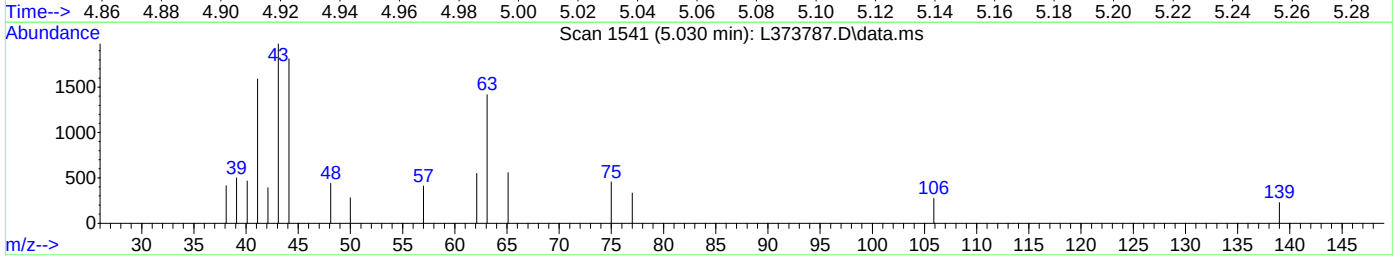
Parameter	CAS	Sig#	R.T. (min.)	Reason
2-Nitropropane	79-46-9		5.01	Poor instrument integration

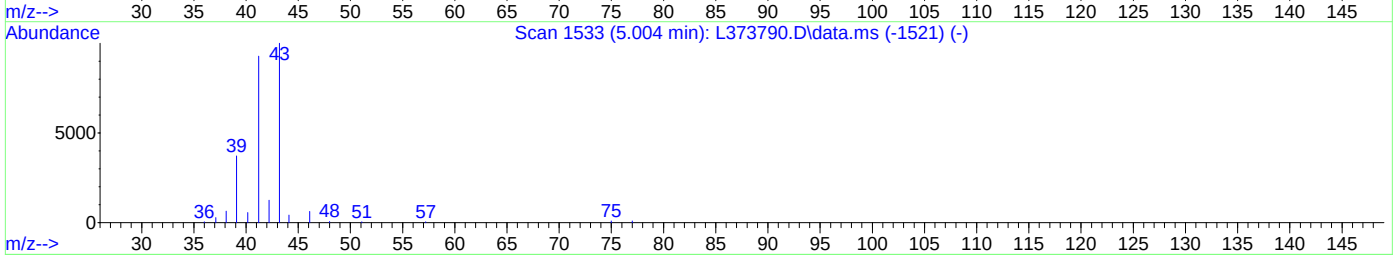
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373787.D
Acq On : 16 Oct 2025 7:41 pm
Operator : BridgetK
Sample : ic11472-4
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 17 10:06:13 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 10:02:15 2025
Response via : Initial Calibration







TIC: L373787.D\data.ms

(61) 2-nitropropane

5.010min (+0.006) 4.10ug/L

response 5395

Ion	Exp%	Act%
41.20	100	100
39.10	40.00	42.78
43.20	107.90	87.76
46.10	6.70	8.62

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373788.D
Acq On : 16 Oct 2025 8:06 pm
Operator : BridgetK
Sample : ic11472-8
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 17 10:11:40 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 10:09:38 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	2.613	65	272991	500.00	ug/L	0.00
5) pentafluorobenzene	3.755	168	240013	50.00	ug/L	0.00
51) 1,4-difluorobenzene	4.291	114	404361	50.00	ug/L	0.00
72) chlorobenzene-d5	6.615	117	317204	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	8.774	152	151704	50.00	ug/L	0.00
124) pentafluorobenzene(a)	3.755	168	240013	50.00	ug/L	0.00
131) 1,4-dichlorobenzene-d4(a)	8.774	152	151704	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	3.755	113	126151	50.32	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.64%			
52) 1,2-dichloroethane-d4 (s)	3.993	65	145799	49.51	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 99.02%			
73) toluene-d8 (s)	5.395	98	464471	50.88	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.76%			
97) 4-bromofluorobenzene (s)	7.680	95	161625	49.89	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.78%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.705	88	15485	187.9534	ug/L	92
3) ethanol	2.090	45	58736	703.7590	ug/L	98
4) tertiary butyl alcohol	2.664	59	34763	38.2043	ug/L	89
6) chlorodifluoromethane	1.365	51	29787	8.1618	ug/L	96
7) dichlorodifluoromethane	1.352	85	29192	8.3806	ug/L	100
8) chloromethane	1.487	50	25837	7.2958	ug/L	97
9) vinyl chloride	1.554	62	26157	7.6326	ug/L	97
10) 1,3-butadiene	1.580	54	27915	8.4943	ug/L	100
11) bromomethane	1.772	96	6042	6.9531	ug/L	99
12) chloroethane	1.843	64	10787	7.0801	ug/L	98
13) trichlorofluoromethane	2.003	101	34334	8.1827	ug/L	96
14) ethyl ether	2.167	74	11882	8.2606	ug/L	86
15) acrolein	2.257	56	4746	7.9265	ug/L	93
16) freon 113	2.324	151	16458	9.4003	ug/L	85
17) 1,1-dichloroethene	2.327	96	20329	9.1598	ug/L	98
18) acetone	2.340	58	14375	31.7655	ug/L	92
19) acetonitrile	2.517	40	28035	83.0401	ug/L	99
20) iodomethane	2.427	142	9953	7.7854	ug/L	87
21) iso-butyl alcohol	3.906	43	25913	81.2316	ug/L	93
22) carbon disulfide	2.478	76	61051	8.4257	ug/L	99
23) methylene chloride	2.629	84	23407	8.1440	ug/L	95
24) methyl acetate	2.530	74	5475	7.6331	ug/L #	80
25) methyl tert butyl ether	2.783	73	64558	8.9964	ug/L	97
26) trans-1,2-dichloroethene	2.796	96	22572	8.8677	ug/L	96
27) hexane	2.963	57	27241	8.9283	ug/L	96
28) di-isopropyl ether	3.075	45	65266	8.5490	ug/L	90
29) ethyl tert-butyl ether	3.306	59	67531	8.7164	ug/L	98
30) 2-butanone	3.415	72	18555	34.6093	ug/L	96
31) 1,1-dichloroethane	3.072	63	41203	8.5259	ug/L	96
32) chloroprene	3.120	53	36158	9.1425	ug/L	96
33) acrylonitrile	2.767	53	10107	7.5434	ug/L	86
34) vinyl acetate	3.056	86	5180	8.4306	ug/L #	81
35) ethyl acetate	3.428	45	4888	6.6989	ug/L #	81
36) 2,2-dichloropropane	3.444	77	36874	8.3793	ug/L	94
37) cis-1,2-dichloroethene	3.438	96	24154	8.5251	ug/L	93
38) propionitrile	3.463	54	61112	78.5649	ug/L	97
39) methyl acrylate	3.467	85	4560	7.9714	ug/L #	85
40) bromochloromethane	3.592	128	11101	8.8637	ug/L	85

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373788.D
Acq On : 16 Oct 2025 8:06 pm
Operator : BridgetK
Sample : ic11472-8
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 17 10:11:40 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 10:09:38 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) tetrahydrofuran	3.601	72	5831	8.3662 ug/L #	70
42) chloroform	3.650	83	43994	7.6700 ug/L	99
44) methacrylonitrile	3.560	67	13142	8.1526 ug/L	98
45) 1,1,1-trichloroethane	3.775	97	36647	8.6821 ug/L #	49
46) cyclohexane	3.832	84	29530	8.5944 ug/L	90
47) 1,1-dichloropropene	3.877	75	30156	9.1650 ug/L	93
48) carbon tetrachloride	3.881	117	30032	8.8987 ug/L	96
49) isopropyl acetate	4.009	87	6285	8.3150 ug/L #	80
50) tert amyl alcohol	3.993	55	11737	35.4078 ug/L #	88
53) tert-amyl methyl ether	4.089	73	65475	8.3597 ug/L	97
54) 2,2,4-trimethylpentane	4.083	57	50200	8.7151 ug/L	98
55) n-butyl alcohol	4.365	56	93144	374.0139 ug/L	98
56) benzene	4.019	78	86853	8.0787 ug/L	99
57) heptane	4.198	57	10864	9.0363 ug/L	85
58) 1,2-dichloroethane	4.047	62	33230	8.0828 ug/L	94
59) trichloroethene	4.471	95	23523	9.0758 ug/L	95
60) ethyl acrylate	4.503	55	37628	7.6210 ug/L	97
61) 2-nitropropane	5.007	41	11975	8.4542 ug/L	90
62) 2-chloroethyl vinyl ether	5.049	63	35697	38.9356 ug/L	97
63) methyl methacrylate	4.676	100	7380	8.4266 ug/L #	89
64) 1,2-dichloropropane	4.660	63	22648	8.3511 ug/L	98
65) methylcyclohexane	4.647	83	31653	9.0171 ug/L	98
66) dibromomethane	4.731	93	14949	7.8016 ug/L	93
67) bromodichloromethane	4.846	83	32224	8.2803 ug/L	93
68) cis-1,3-dichloropropene	5.183	75	35266	8.1553 ug/L	99
69) epichlorohydrin	5.097	57	22193	38.7481 ug/L	97
70) 4-methyl-2-pentanone	5.283	58	54358	30.7639 ug/L	98
71) 3-methyl-1-butanol	5.318	70	35800	153.2408 ug/L #	83
74) toluene	5.453	92	54045	8.1283 ug/L	97
75) trans-1,3-dichloropropene	5.626	75	33425	8.2568 ug/L	96
76) ethyl methacrylate	5.658	69	33397	7.7550 ug/L	98
77) 1,1,2-trichloroethane	5.790	83	18463	8.5006 ug/L	91
78) 2-hexanone	5.957	58	61087	31.4184 ug/L	98
79) tetrachloroethene	5.873	166	22346	8.5269 ug/L	91
80) 1,3-dichloropropane	5.928	76	34580	8.2650 ug/L	98
81) butyl acetate	6.050	56	19630	7.6144 ug/L	96
82) dibromochloromethane	6.111	129	22388	7.8328 ug/L	100
83) 1,2-dibromoethane	6.217	107	21966	8.3242 ug/L	96
84) n-butyl ether	6.711	57	91748	8.1483 ug/L	98
85) chlorobenzene	6.640	112	57714	8.2086 ug/L	98
86) 1,1,1,2-tetrachloroethane	6.711	131	19840	8.7626 ug/L	93
87) ethylbenzene	6.720	91	102196	8.4696 ug/L	98
88) m,p-xylene	6.836	106	77071	16.3482 ug/L	98
89) o-xylene	7.183	106	37933	8.2024 ug/L	98
90) butyl acrylate	7.128	55	52334	7.4613 ug/L	94
91) styrene	7.199	104	64266	8.4144 ug/L	99
92) bromoform	7.362	173	15628	7.7376 ug/L	97
93) n-amyl acetate	7.330	70	19888	7.5621 ug/L	98
94) isopropylbenzene	7.516	105	91582	8.3386 ug/L	98
95) cis-1,4-dichloro-2-butene	7.571	88	6494	7.5031 ug/L	93
98) bromobenzene	7.811	156	22879	8.3434 ug/L	93
99) 1,1,2,2-tetrachloroethane	7.802	83	32675	7.6438 ug/L	94
100) trans-1,4-dichloro-2-b...	7.844	53	5822	7.5158 ug/L #	65
101) 1,2,3-trichloropropane	7.860	110	9668	7.4723 ug/L	95
102) n-propylbenzene	7.905	91	111277	8.5235 ug/L	99
103) 2-chlorotoluene	7.988	126	21198	8.2409 ug/L	98
104) 4-chlorotoluene	8.103	126	22201	8.0246 ug/L	91
105) 1,3,5-trimethylbenzene	8.075	105	76664	8.4220 ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373788.D
Acq On : 16 Oct 2025 8:06 pm
Operator : BridgetK
Sample : ic11472-8
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 17 10:11:40 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 10:09:38 2025
Response via : Initial Calibration

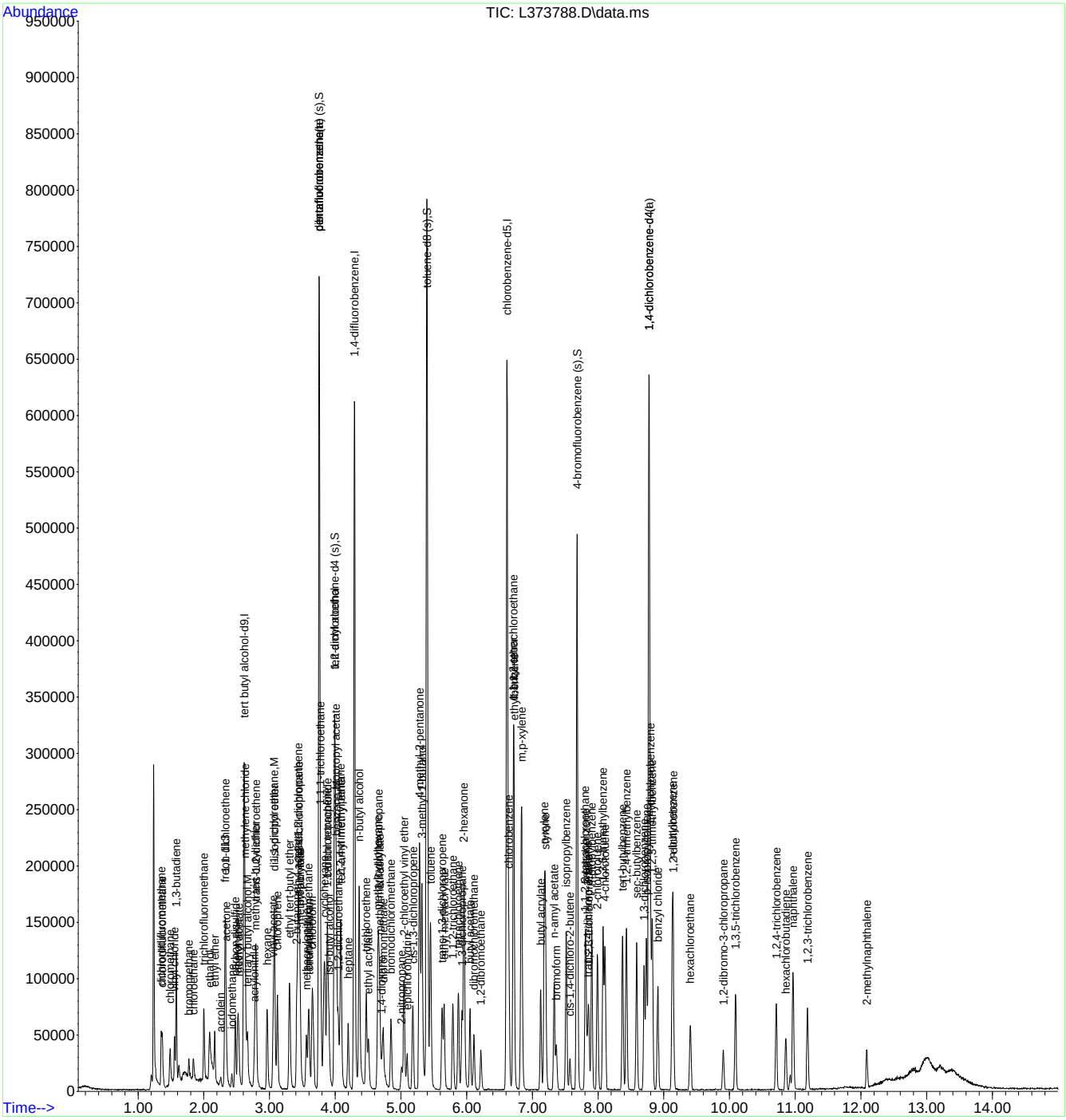
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
106) tert-butylbenzene	8.373	119	59786	8.1955	ug/L	99
107) 1,2,4-trimethylbenzene	8.434	105	77701	8.4919	ug/L	99
108) sec-butylbenzene	8.588	105	88104	8.4756	ug/L	98
109) 1,3-dichlorobenzene	8.700	146	41810	8.1833	ug/L	99
110) p-isopropyltoluene	8.736	119	73580	8.5815	ug/L	97
111) 1,4-dichlorobenzene	8.797	146	42727	8.0003	ug/L	96
112) 1,2,3-trimethylbenzene	8.822	105	80277	8.1100	ug/L	96
113) 1,2-dichlorobenzene	9.143	146	40255	8.1980	ug/L	100
114) n-butylbenzene	9.130	92	35156	8.2884	ug/L	91
115) 1,2-dibromo-3-chloropr...	9.907	157	8898	7.8352	ug/L	97
116) 1,3,5-trichlorobenzene	10.090	180	25868	8.4798	ug/L	93
117) 1,2,4-trichlorobenzene	10.712	180	22407	8.2767	ug/L	94
118) hexachlorobutadiene	10.857	225	8626	8.4817	ug/L	88
119) naphthalene	10.966	128	81798	8.0565	ug/L	98
120) 1,2,3-trichlorobenzene	11.187	180	20831	7.9384	ug/L	95
121) hexachloroethane	9.400	119	10626	8.4739	ug/L	85
122) benzyl chloride	8.909	91	64882	7.9456	ug/L	96
123) 2-methylnaphthalene	12.092	142	16324	4.1179	ug/L	98

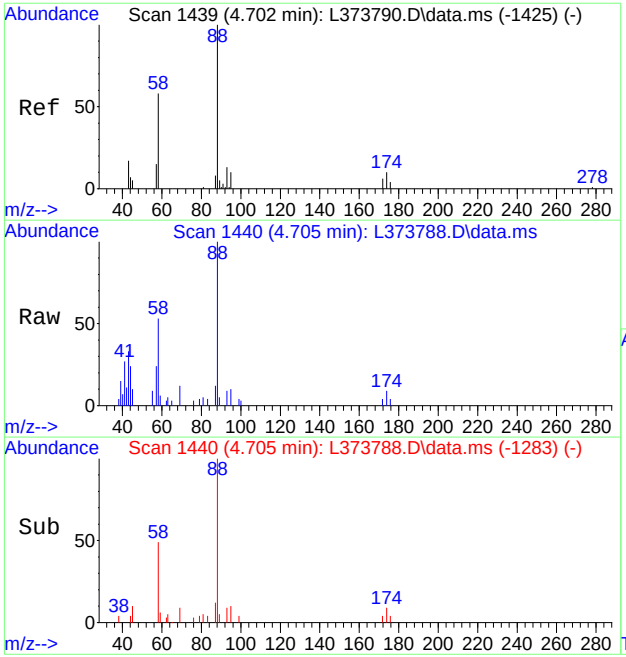
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373788.D
Acq On : 16 Oct 2025 8:06 pm
Operator : BridgetK
Sample : ic11472-8
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 17 10:11:40 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 10:09:38 2025
Response via : Initial Calibration

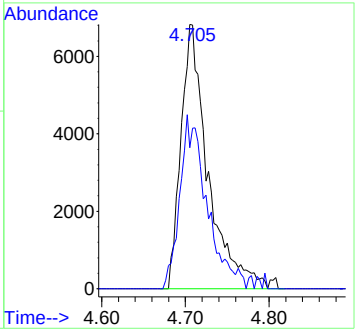


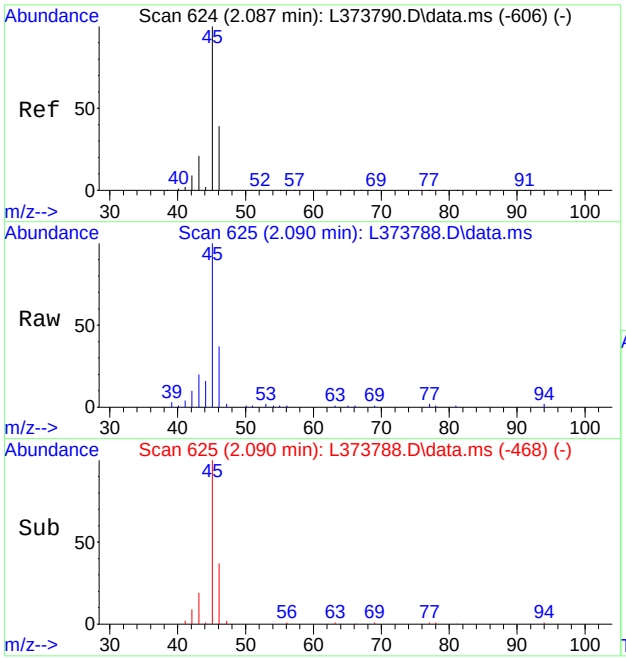


#2
1,4-dioxane
Concen: 187.95 ug/L
RT: 4.705 min Scan# 1440
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 88 Resp: 15485

Ion	Ratio	Lower	Upper
88	100		
58	53.3	29.1	89.1

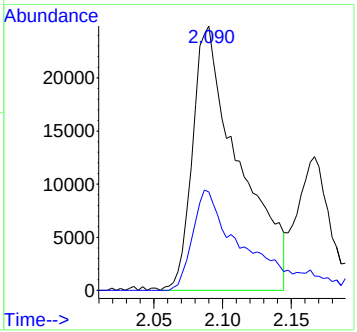


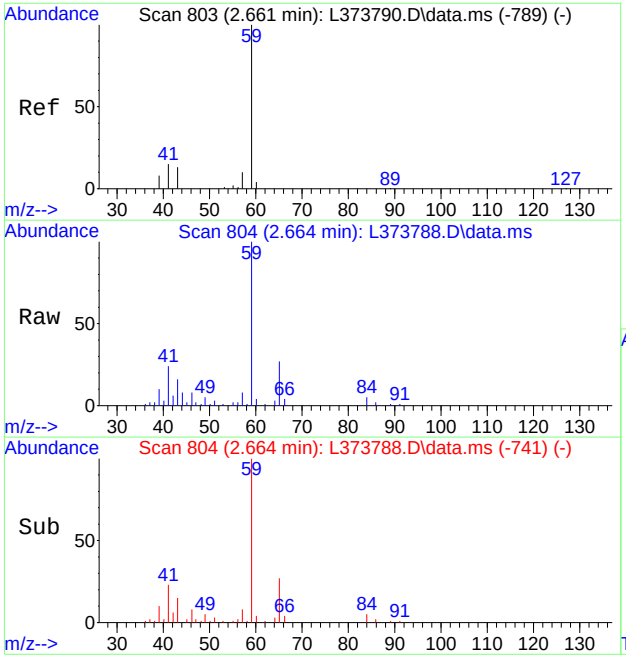


#3
ethanol
Concen: 703.76 ug/L
RT: 2.090 min Scan# 625
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 45 Resp: 58736

Ion	Ratio	Lower	Upper
45	100		
46	37.2	18.6	58.6

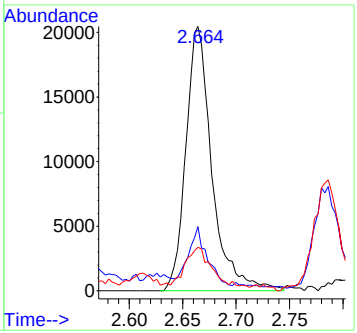


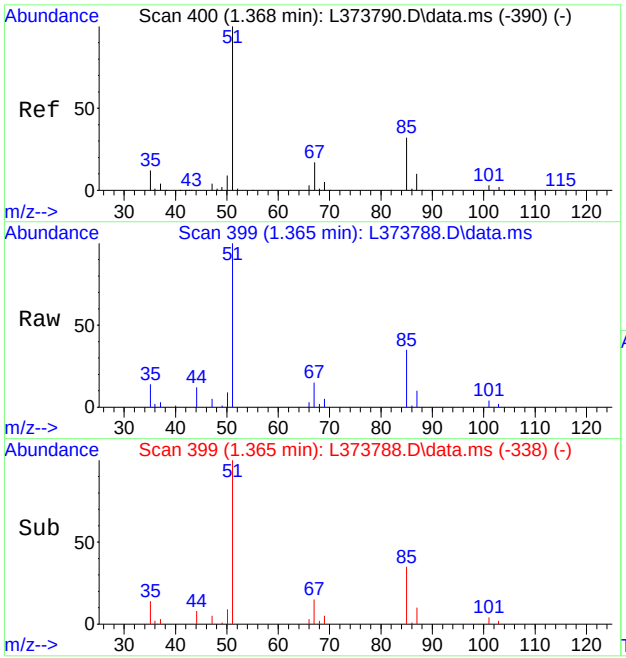


#4
tertiary butyl alcohol
Concen: 38.20 ug/L
RT: 2.664 min Scan# 804
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 59 Resp: 34763

Ion	Ratio	Lower	Upper
59	100		
41	22.8	0.0	45.3
43	15.1	0.0	43.5

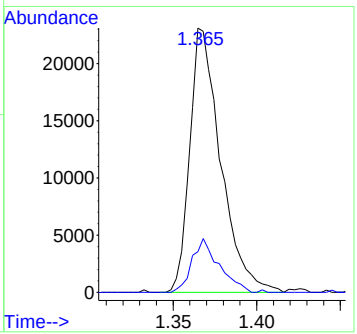


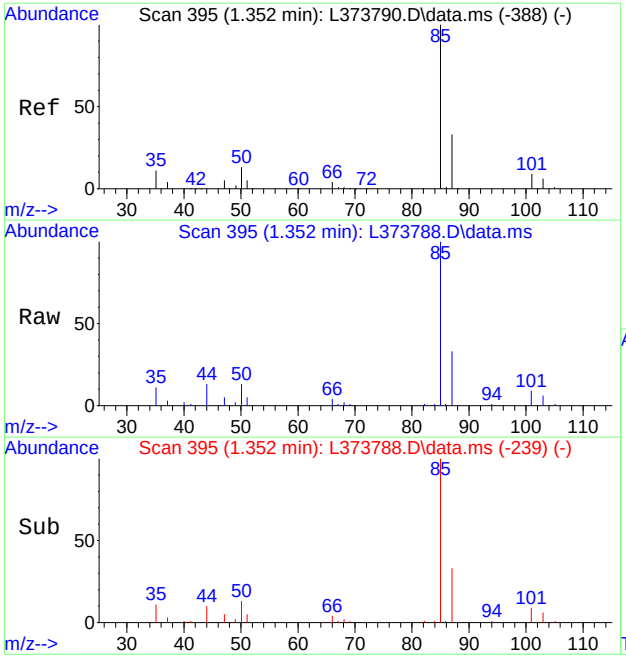


#6
chlorodifluoromethane
Concen: 8.16 ug/L
RT: 1.365 min Scan# 399
Delta R.T. -0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 51 Resp: 29787

Ion	Ratio	Lower	Upper
51	100		
67	15.4	0.0	37.0

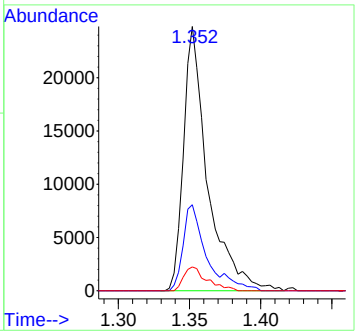


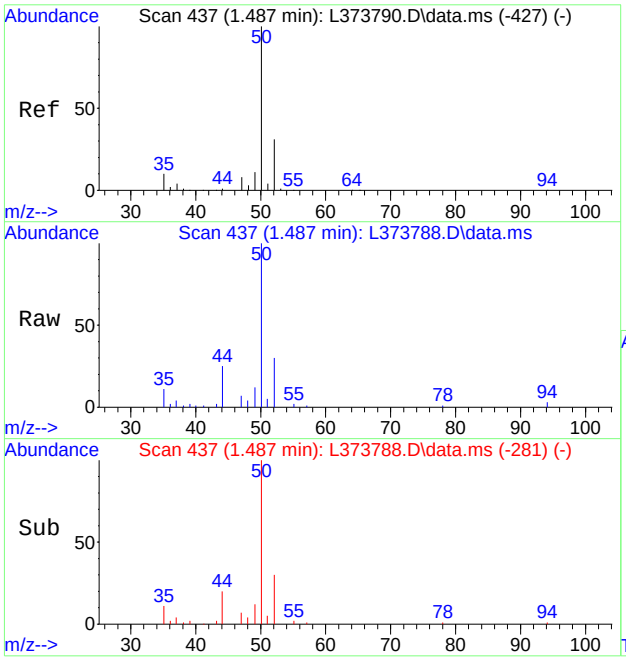


#7
dichlorodifluoromethane
Concen: 8.38 ug/L
RT: 1.352 min Scan# 395
Delta R.T. -0.000 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 85 Resp: 29192

Ion	Ratio	Lower	Upper
85	100		
87	32.5	2.8	62.8
101	9.0	0.0	38.9

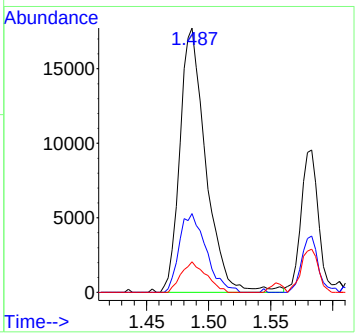


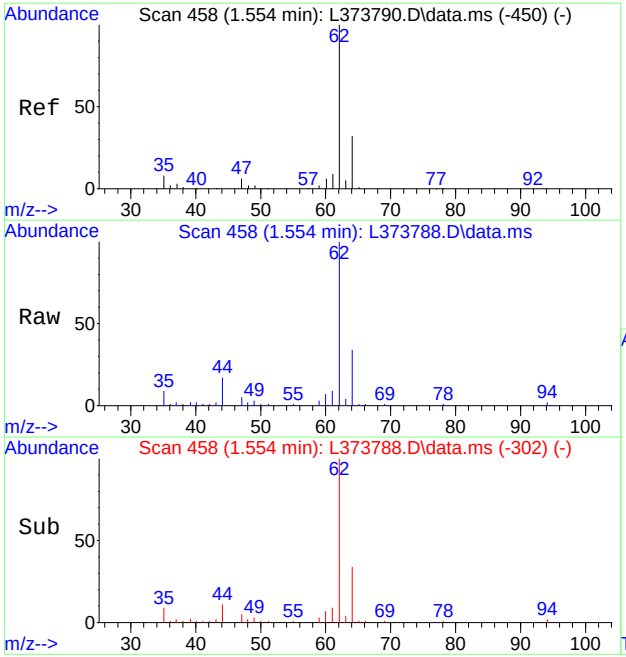


#8
chloromethane
Concen: 7.30 ug/L
RT: 1.487 min Scan# 437
Delta R.T. -0.000 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 50 Resp: 25837

Ion	Ratio	Lower	Upper
50	100		
52	29.8	1.5	61.5
49	11.6	0.0	41.1

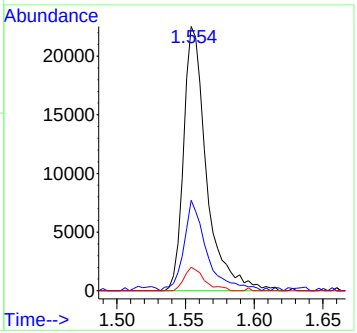


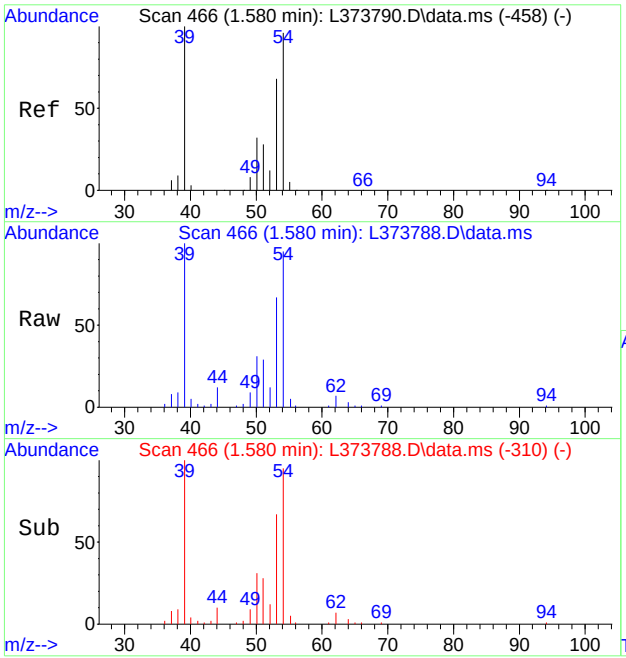


#9
vinyl chloride
Concen: 7.63 ug/L
RT: 1.554 min Scan# 458
Delta R.T. -0.000 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 62 Resp: 26157

Ion	Ratio	Lower	Upper
62	100		
64	34.2	2.2	62.2
61	9.0	0.0	38.5

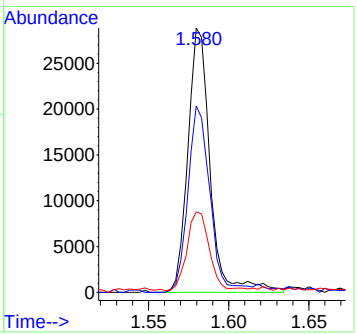


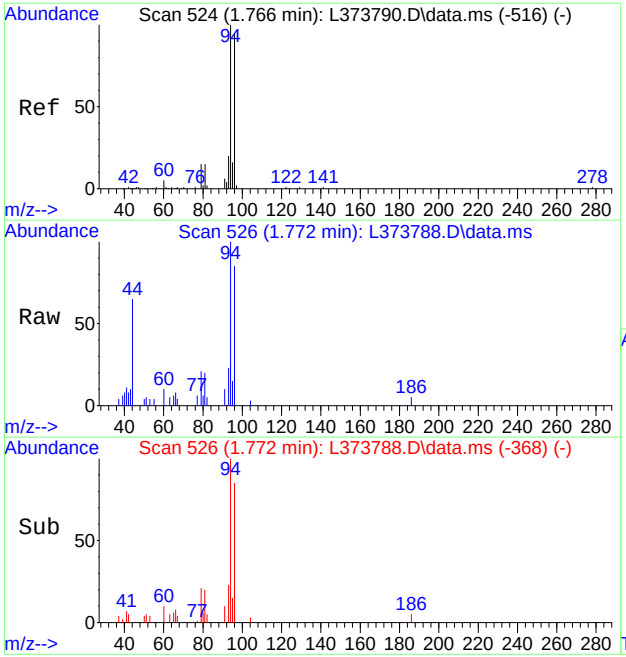


#10
1,3-butadiene
Concen: 8.49 ug/L
RT: 1.580 min Scan# 466
Delta R.T. -0.000 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 54 Resp: 27915

Ion	Ratio	Lower	Upper
54	100		
53	70.5	40.7	100.7
51	29.4	0.0	59.5

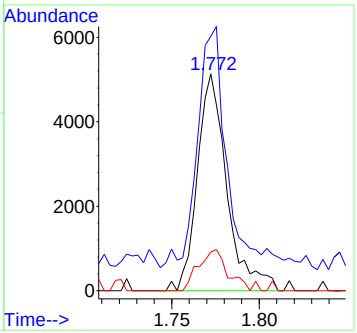


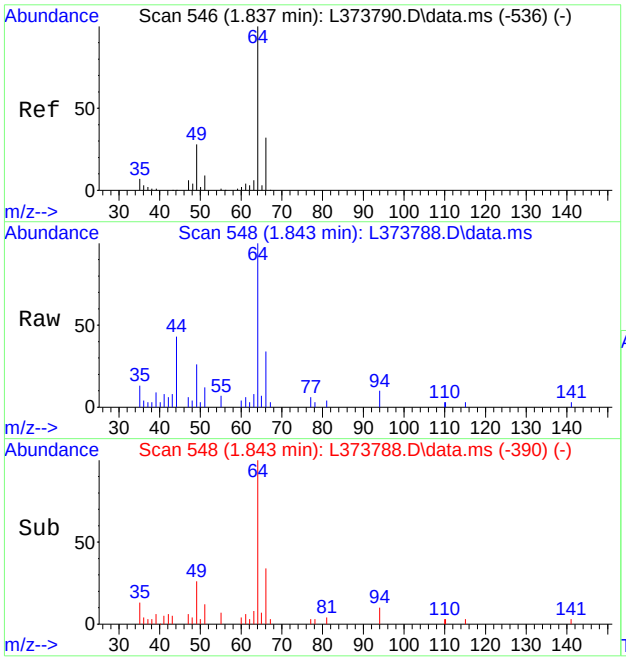


#11
bromomethane
Concen: 6.95 ug/L
RT: 1.772 min Scan# 526
Delta R.T. 0.006 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 96 Resp: 6042

Ion	Ratio	Lower	Upper
96	100		
94	106.6	76.7	136.7
95	17.8	0.0	46.3

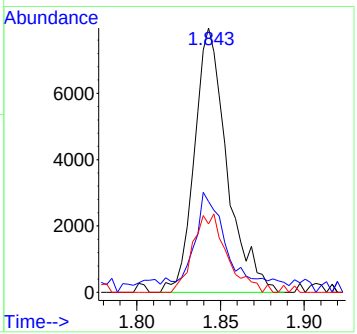


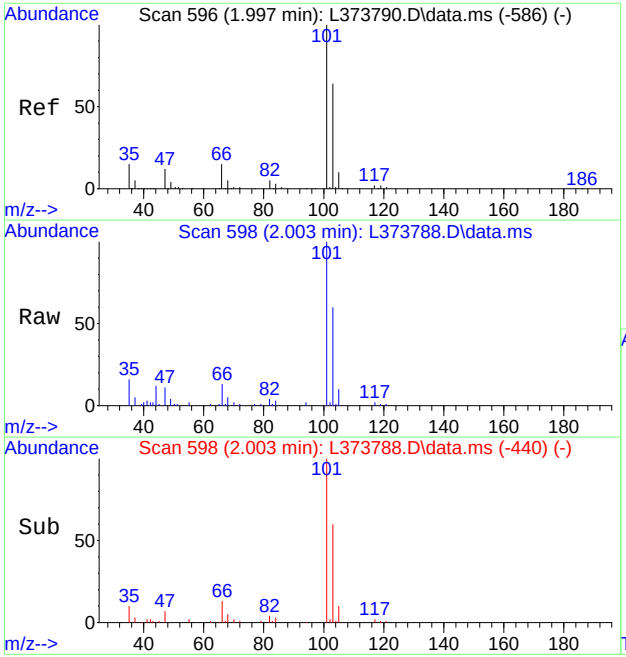


#12
chloroethane
Concen: 7.08 ug/L
RT: 1.843 min Scan# 548
Delta R.T. 0.006 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 64 Resp: 10787

Ion	Ratio	Lower	Upper
64	100		
66	31.2	1.8	61.8
49	25.9	0.0	57.7

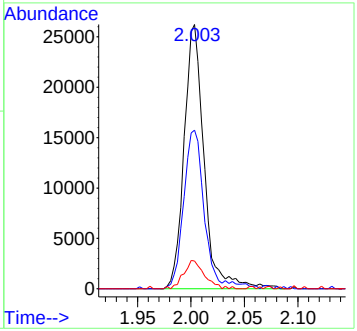


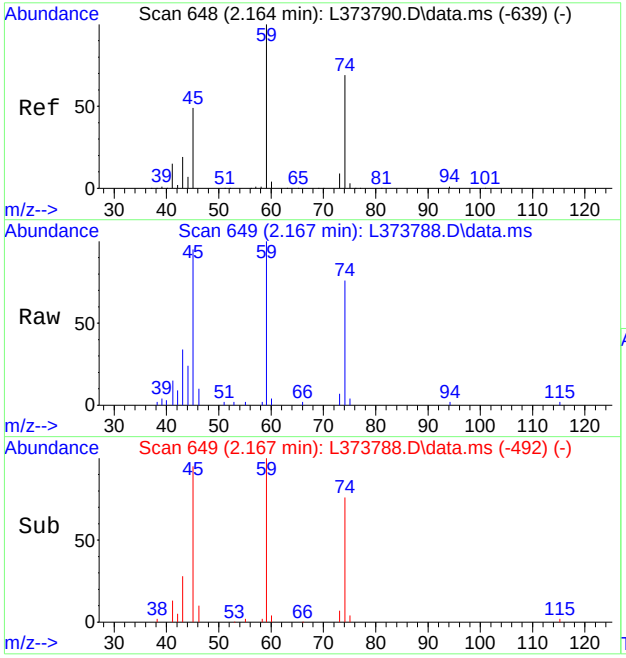


#13
trichlorofluoromethane
Concen: 8.18 ug/L
RT: 2.003 min Scan# 598
Delta R.T. 0.006 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion:101 Resp: 34334

Ion	Ratio	Lower	Upper
101	100		
103	60.0	33.8	93.8
105	10.5	0.0	40.0

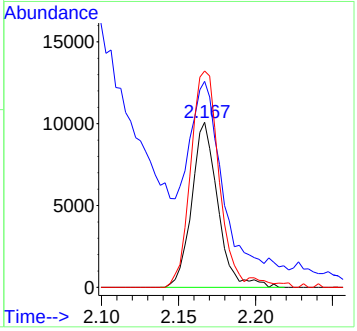


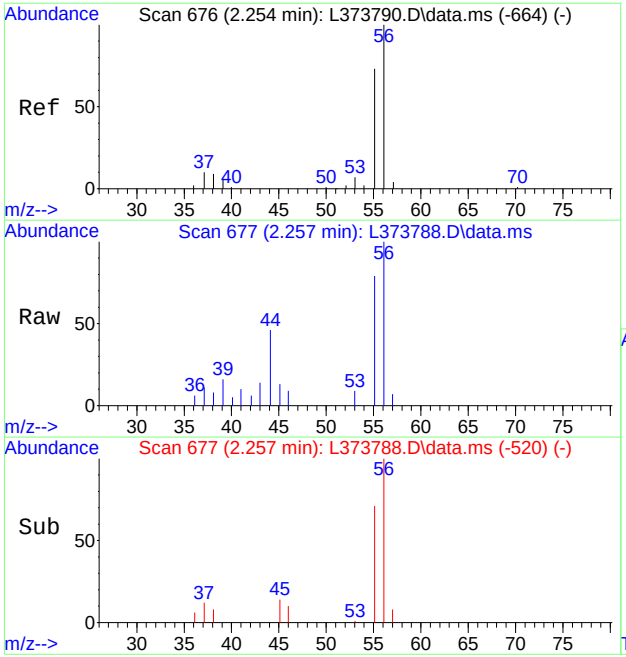


#14
ethyl ether
Concen: 8.26 ug/L
RT: 2.167 min Scan# 649
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 74 Resp: 11882

Ion	Ratio	Lower	Upper
74	100		
45	111.5	102.0	162.0
59	131.0	114.2	174.2

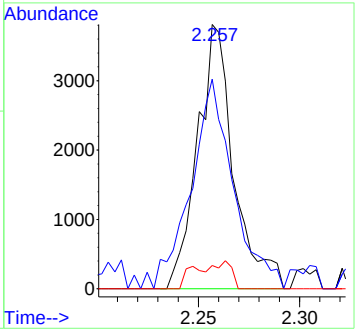


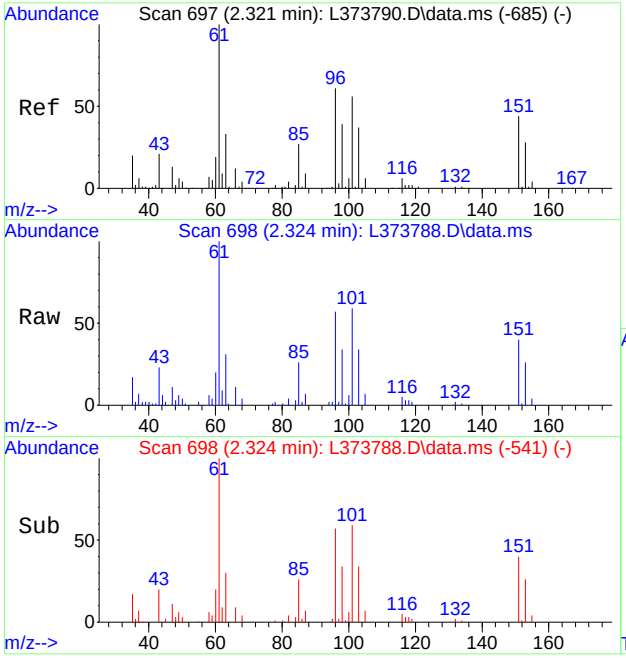


#15
acrolein
Concen: 7.93 ug/L
RT: 2.257 min Scan# 677
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 56 Resp: 4746

Ion	Ratio	Lower	Upper
56	100		
55	79.3	42.9	102.9
53	8.8	0.0	38.0

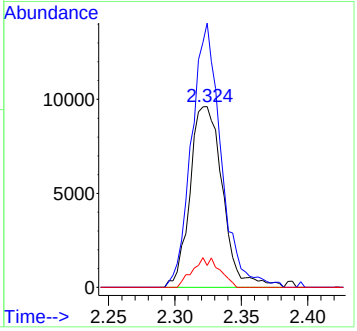


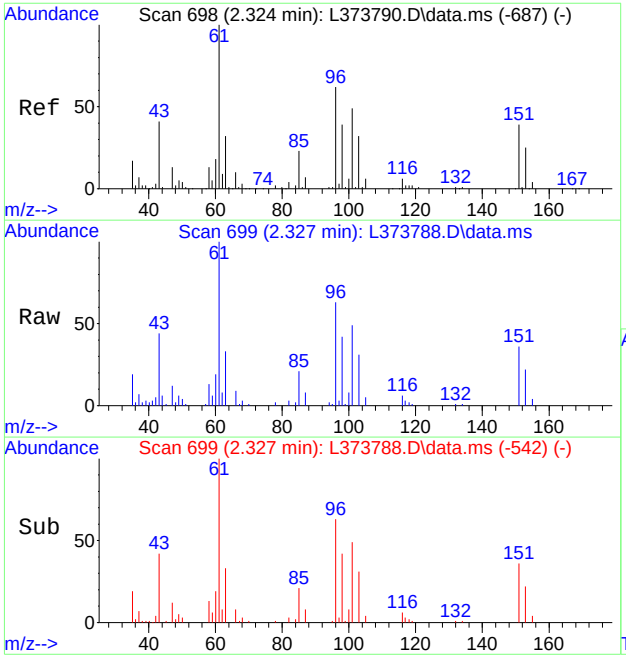


#16
freon 113
Concen: 9.40 ug/L
RT: 2.324 min Scan# 698
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion:151 Resp: 16458

Ion	Ratio	Lower	Upper
151	100		
101	146.2	107.4	147.4
116	12.2	0.0	33.9

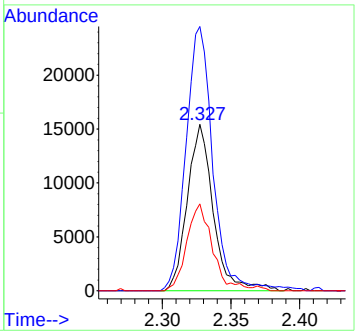


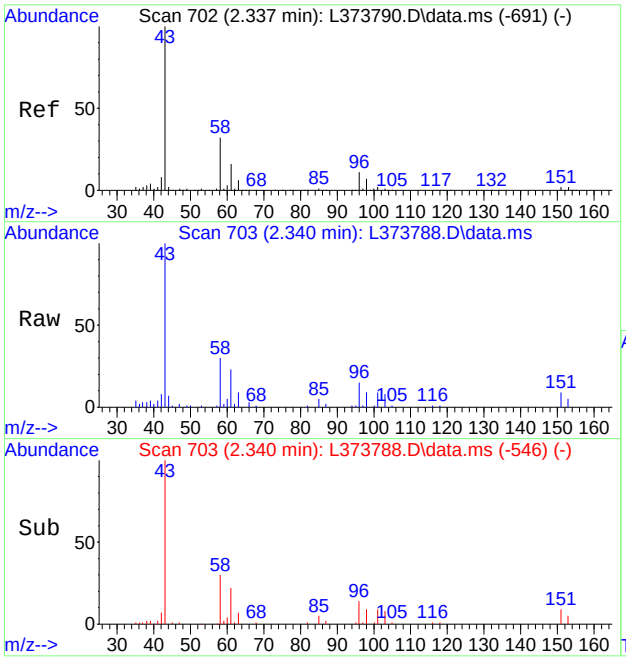


#17
1,1-dichloroethene
Concen: 9.16 ug/L
RT: 2.327 min Scan# 699
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 96 Resp: 20329

Ion	Ratio	Lower	Upper
96	100		
61	158.8	131.4	191.4
63	52.3	22.3	82.3

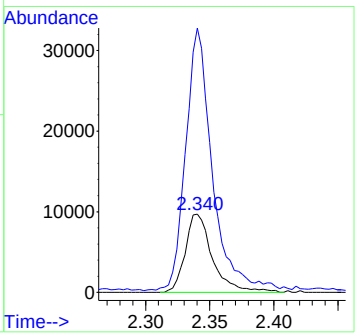


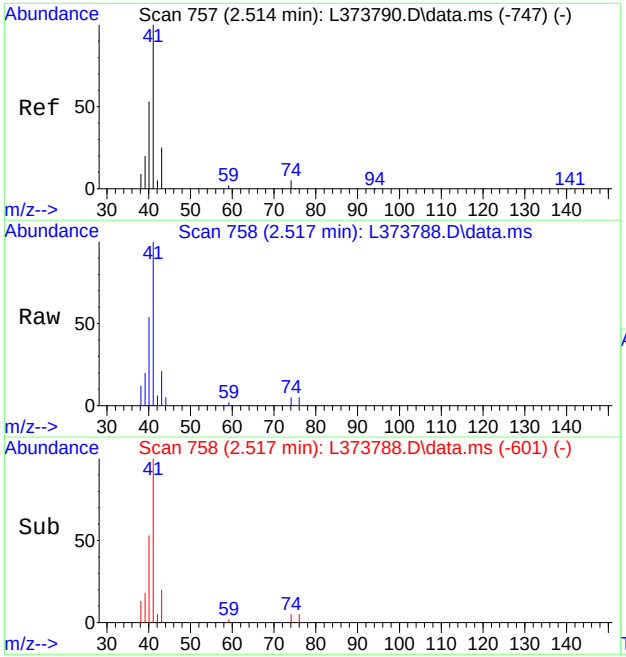


#18
acetone
Concen: 31.77 ug/L
RT: 2.340 min Scan# 703
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 58 Resp: 14375

Ion	Ratio	Lower	Upper
58	100		
43	331.9	286.5	346.5

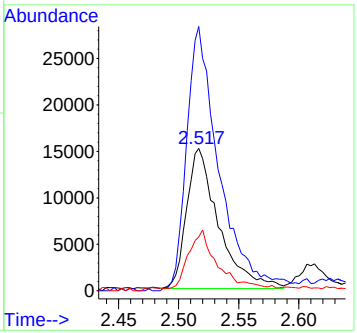


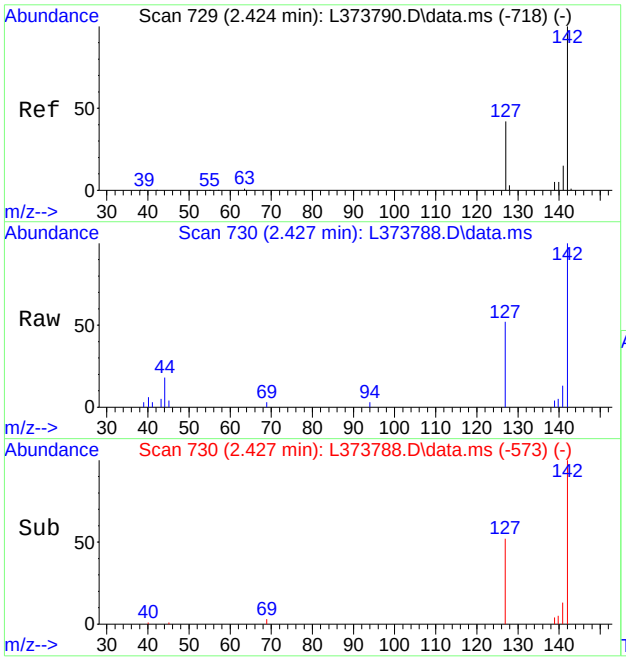


#19
acetonitrile
Concen: 83.04 ug/L
RT: 2.517 min Scan# 758
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 40 Resp: 28035

Ion	Ratio	Lower	Upper
40	100		
41	189.0	158.5	218.5
39	36.4	8.2	68.2

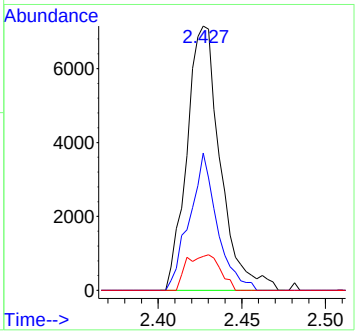


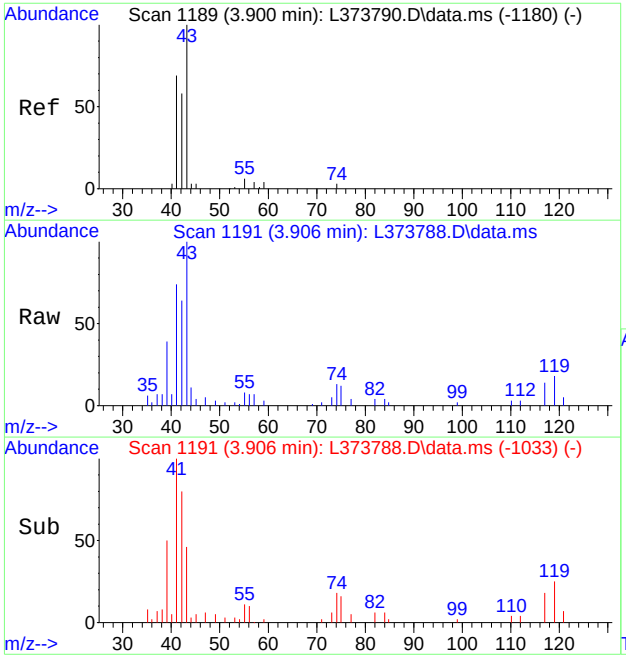


#20
iodomethane
Concen: 7.79 ug/L
RT: 2.427 min Scan# 730
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion:142 Resp: 9953

Ion	Ratio	Lower	Upper
142	100		
127	51.9	12.2	72.2
141	12.8	0.0	44.6

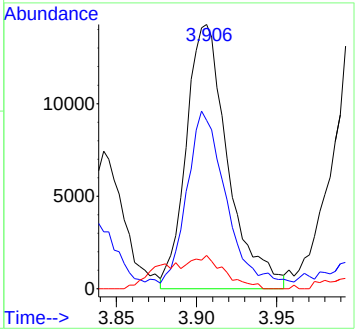


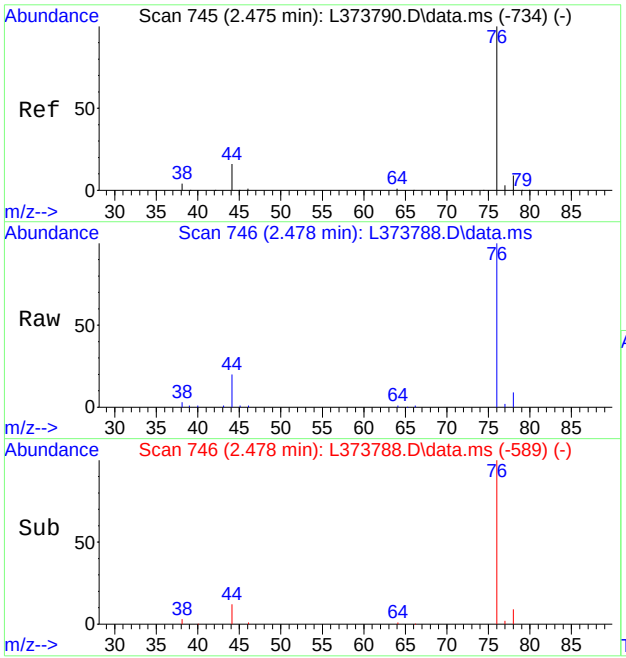


#21
iso-butyl alcohol
Concen: 81.23 ug/L
RT: 3.906 min Scan# 1191
Delta R.T. 0.006 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 43 Resp: 25913

Ion	Ratio	Lower	Upper
43	100		
42	64.0	28.3	88.3
74	13.1	0.0	40.9

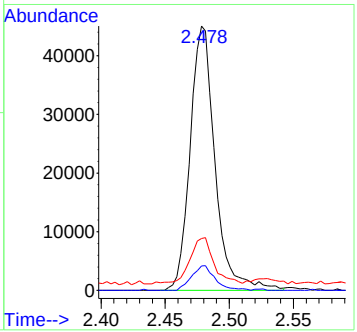


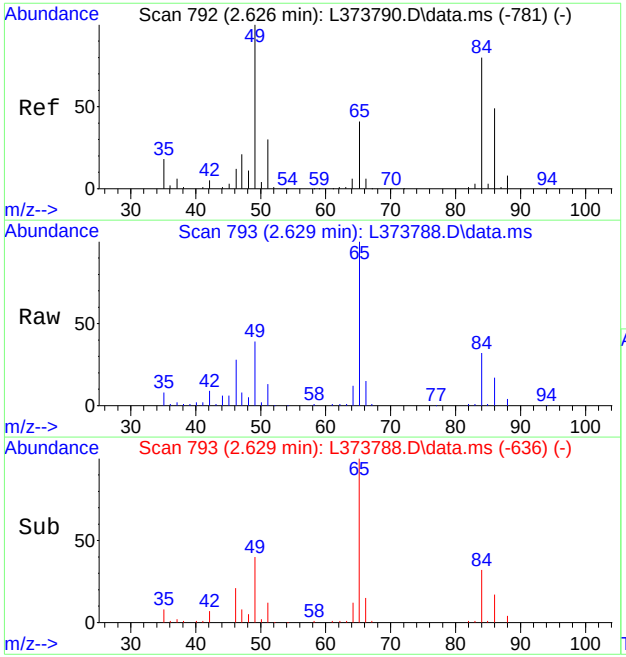


#22
carbon disulfide
Concen: 8.43 ug/L
RT: 2.478 min Scan# 746
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 76 Resp: 61051

Ion	Ratio	Lower	Upper
76	100		
78	9.2	0.0	38.9
44	16.7	0.0	46.1

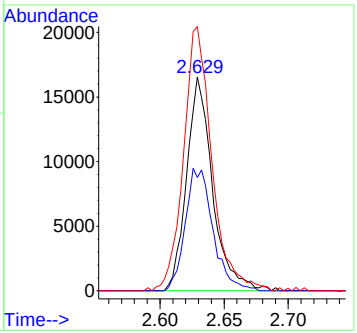


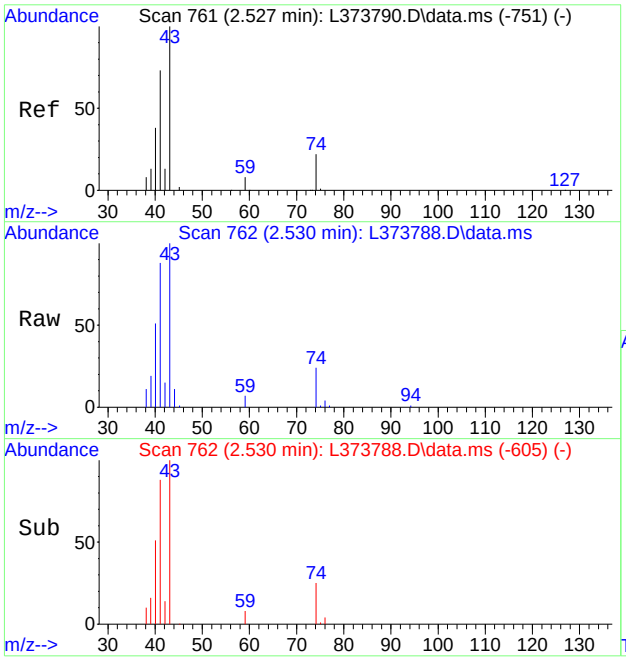


#23
methylene chloride
Concen: 8.14 ug/L
RT: 2.629 min Scan# 793
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 84 Resp: 23407

Ion	Ratio	Lower	Upper
84	100		
86	52.9	31.2	91.2
49	123.6	95.6	155.6

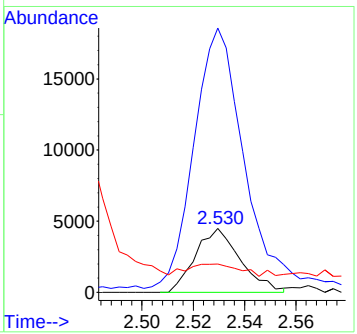


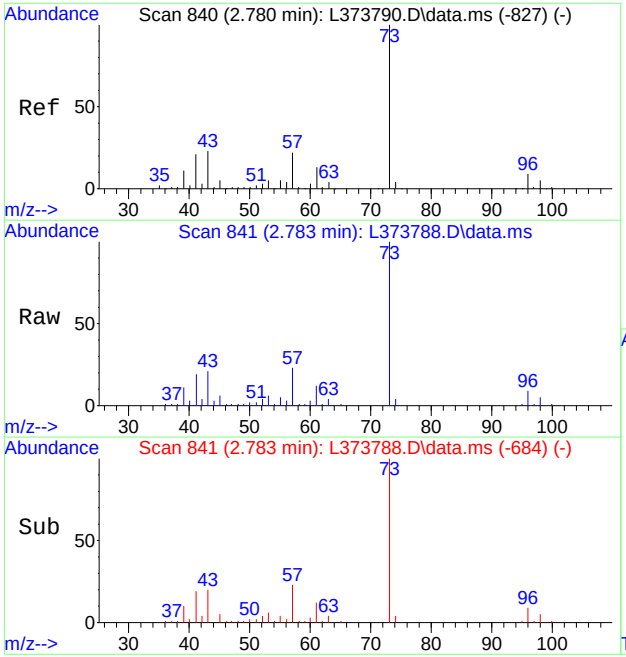


#24
methyl acetate
Concen: 7.63 ug/L
RT: 2.530 min Scan# 762
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 74 Resp: 5475

Ion	Ratio	Lower	Upper
74	100		
43	397.4	417.7	477.7#
44	16.4	0.0	39.0

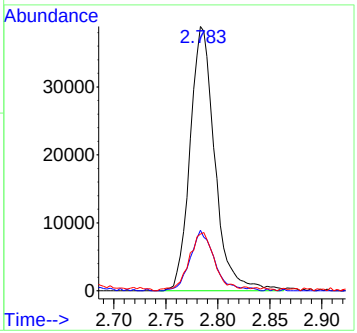


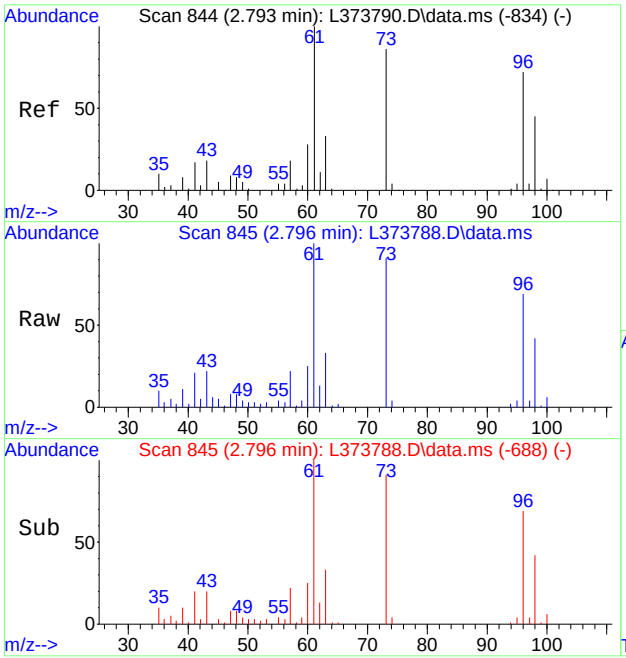


#25
methyl tert butyl ether
Concen: 9.00 ug/L
RT: 2.783 min Scan# 841
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 73 Resp: 64558

Ion	Ratio	Lower	Upper
73	100		
57	22.9	0.0	52.4
43	20.8	0.0	52.7

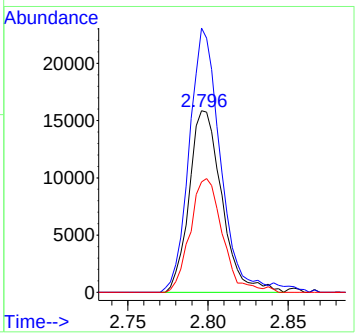


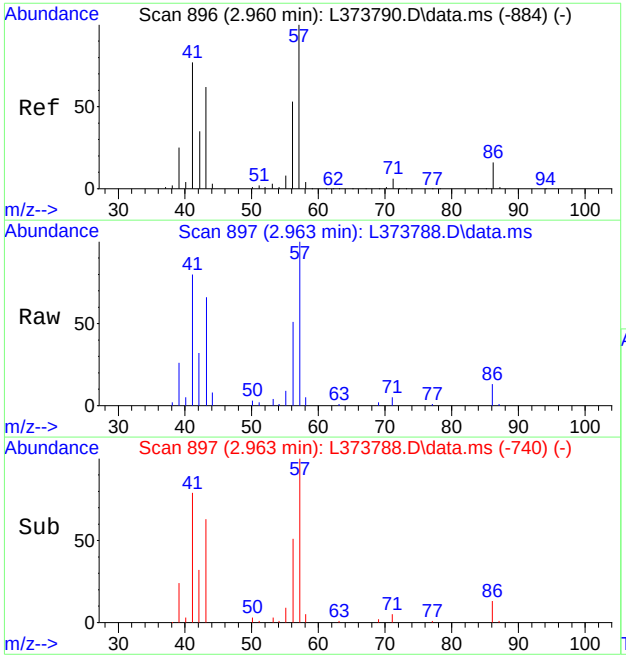


#26
trans-1,2-dichloroethene
Concen: 8.87 ug/L
RT: 2.796 min Scan# 845
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 96 Resp: 22572

Ion	Ratio	Lower	Upper
96	100		
61	145.6	109.1	169.1
98	60.9	32.0	92.0

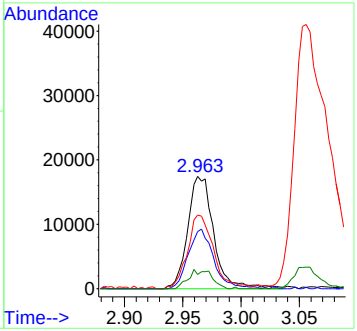


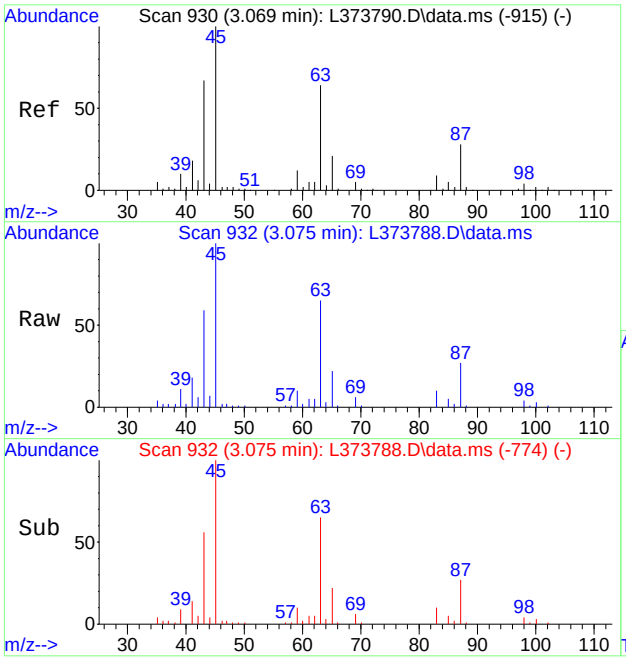


#27
hexane
Concen: 8.93 ug/L
RT: 2.963 min Scan# 897
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 57 Resp: 27241

Ion	Ratio	Lower	Upper
57	100		
56	50.9	32.9	72.9
43	65.6	41.9	81.9
86	12.7	0.0	36.3

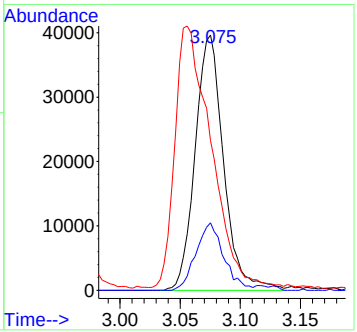


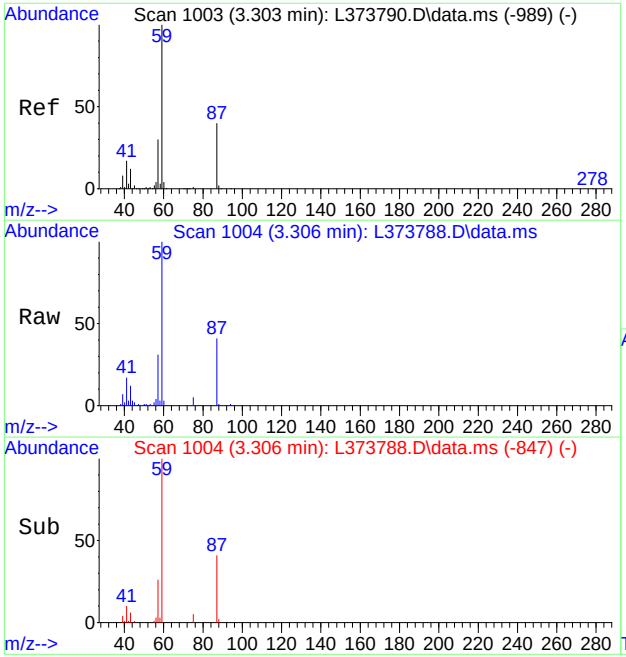


#28
di-isopropyl ether
Concen: 8.55 ug/L
RT: 3.075 min Scan# 932
Delta R.T. 0.006 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 45 Resp: 65266

Ion	Ratio	Lower	Upper
45	100		
87	26.5	0.0	57.5
43	57.0	37.5	97.5

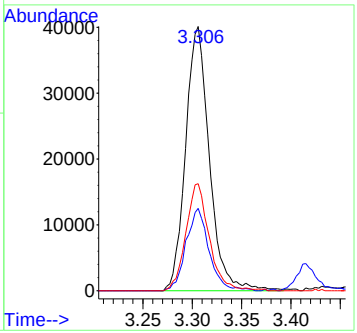


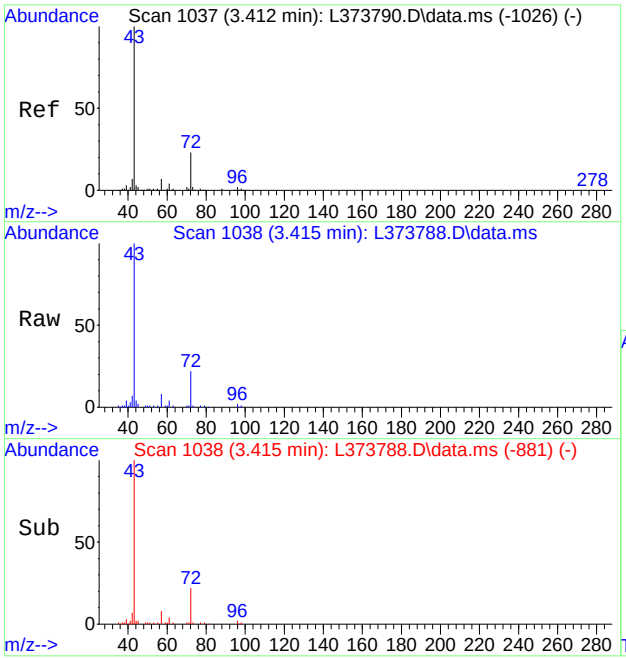


#29
ethyl tert-butyl ether
Concen: 8.72 ug/L
RT: 3.306 min Scan# 1004
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 59 Resp: 67531

Ion	Ratio	Lower	Upper
59	100		
57	31.1	0.3	60.3
87	40.5	9.6	69.6

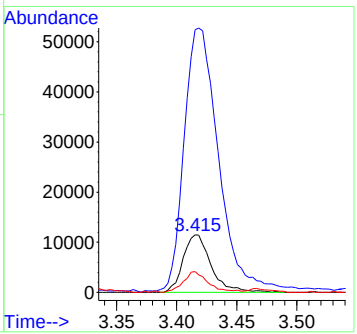


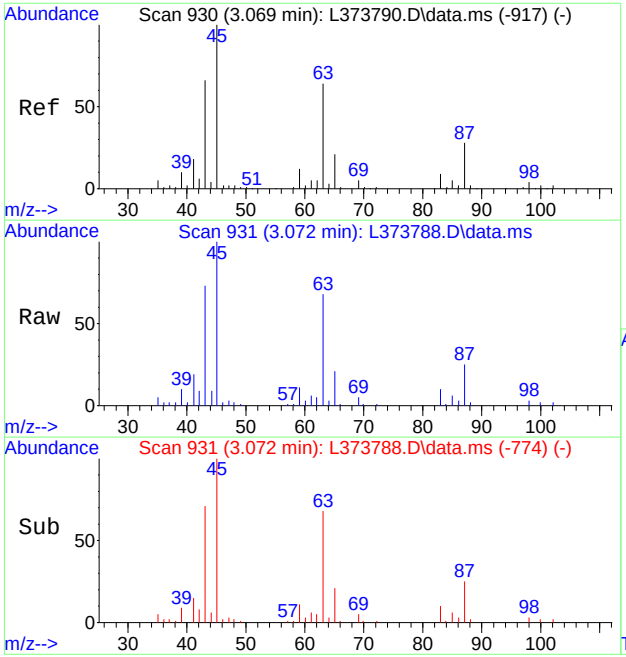


#30
2-butanone
Concen: 34.61 ug/L
RT: 3.415 min Scan# 1038
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 72 Resp: 18555

Ion	Ratio	Lower	Upper
72	100		
43	452.5	411.9	471.9
57	36.1	2.4	62.4

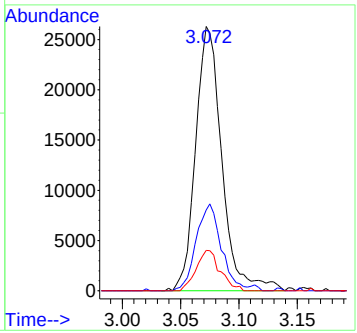


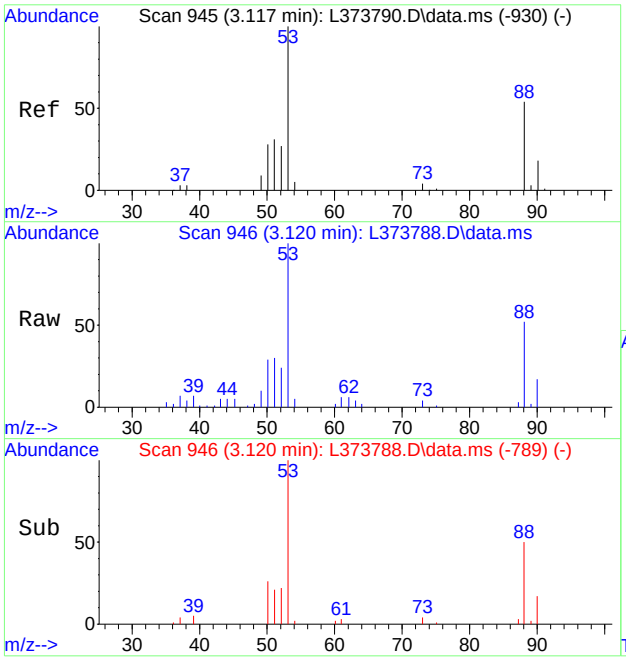


#31
1,1-dichloroethane
Concen: 8.53 ug/L
RT: 3.072 min Scan# 931
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 63 Resp: 41203

Ion	Ratio	Lower	Upper
63	100		
65	30.6	2.5	62.5
83	15.3	0.0	43.5

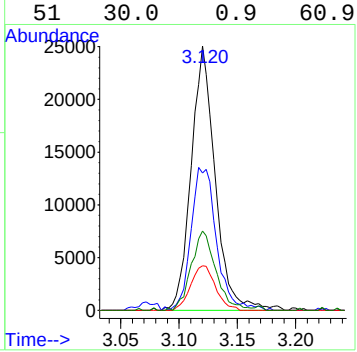


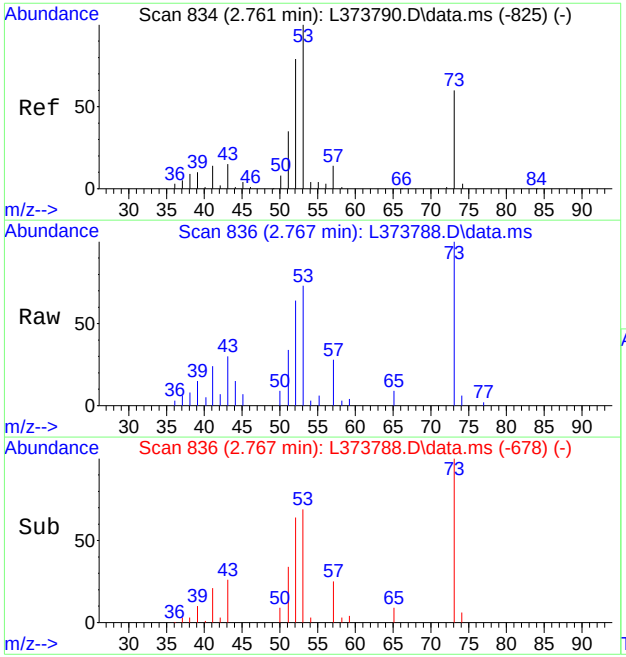


#32
chloroprene
Concen: 9.14 ug/L
RT: 3.120 min Scan# 946
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 53 Resp: 36158

Ion	Ratio	Lower	Upper
53	100		
88	51.9	26.2	86.2
90	16.9	0.0	47.9
51	30.0	0.9	60.9

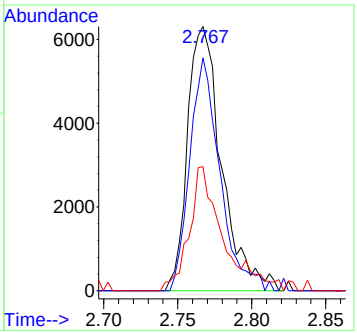


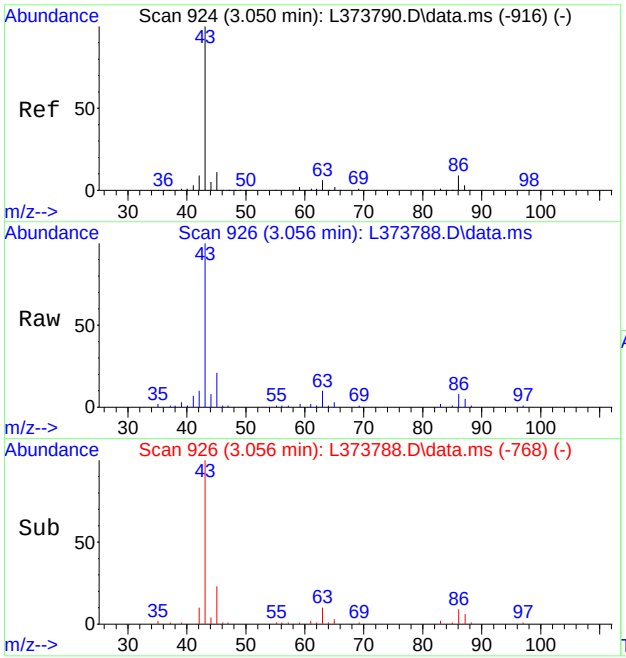


#33
acrylonitrile
Concen: 7.54 ug/L
RT: 2.767 min Scan# 836
Delta R.T. 0.006 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 53 Resp: 10107

Ion	Ratio	Lower	Upper
53	100		
52	88.1	48.8	108.8
51	46.9	4.6	64.6

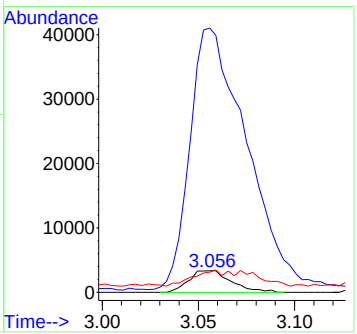


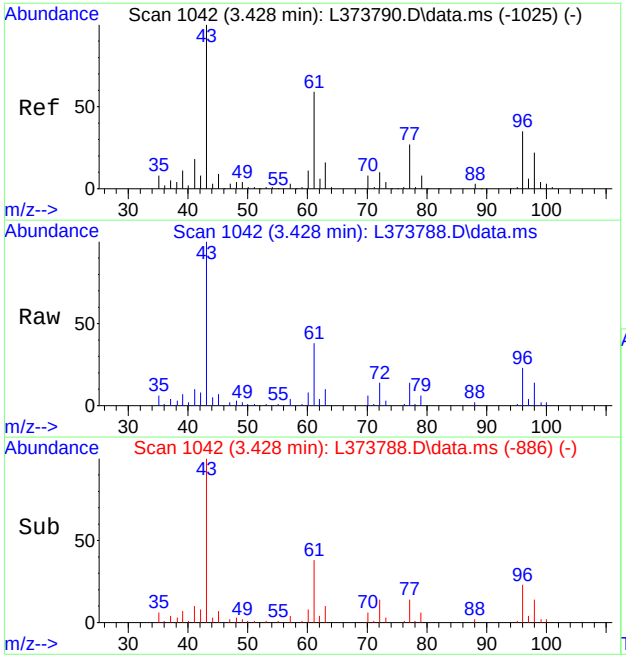


#34
vinyl acetate
Concen: 8.43 ug/L
RT: 3.056 min Scan# 926
Delta R.T. 0.006 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 86 Resp: 5180

Ion	Ratio	Lower	Upper
86	100		
43	1199.9	1076.3	1136.3#
44	59.9	23.6	83.6

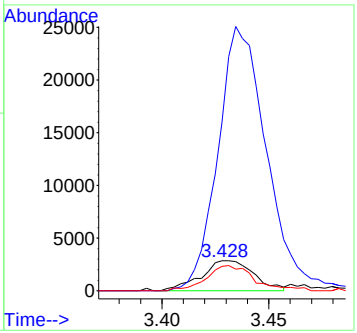


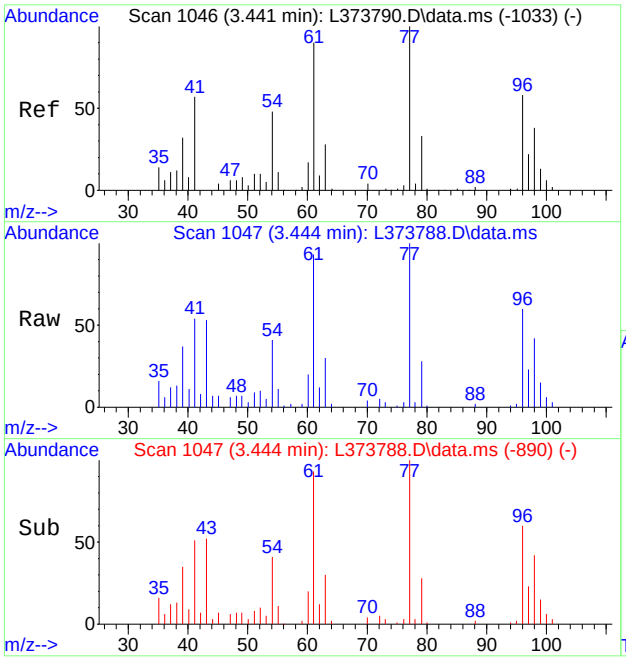


#35
ethyl acetate
Concen: 6.70 ug/L
RT: 3.428 min Scan# 1042
Delta R.T. -0.000 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 45 Resp: 4888

Ion	Ratio	Lower	Upper
45	100		
61	561.1	598.6	658.6#
70	81.1	53.6	113.6

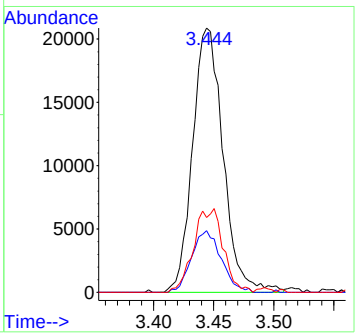


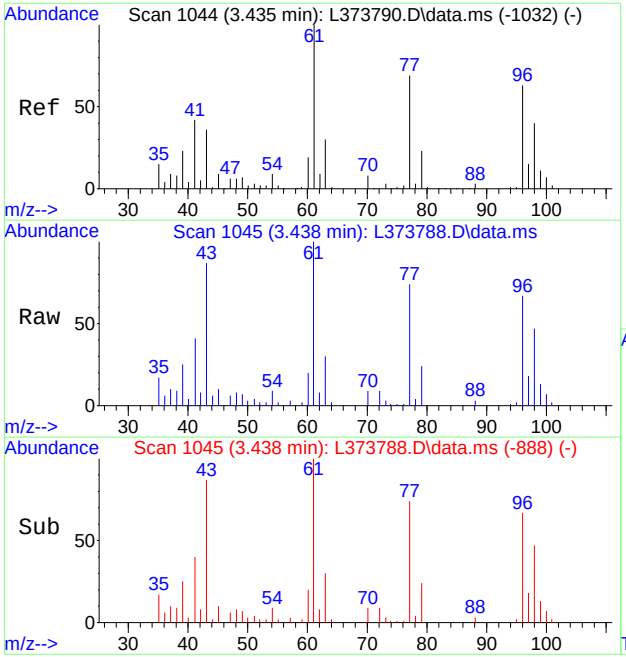


#36
2,2-dichloropropane
Concen: 8.38 ug/L
RT: 3.444 min Scan# 1047
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 77 Resp: 36874

Ion	Ratio	Lower	Upper
77	100		
97	23.3	0.0	52.3
79	28.3	3.0	63.0

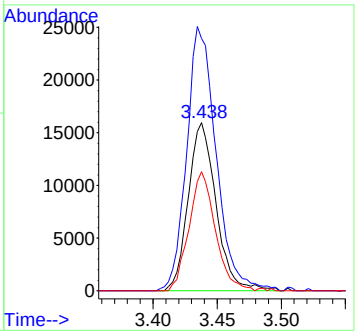


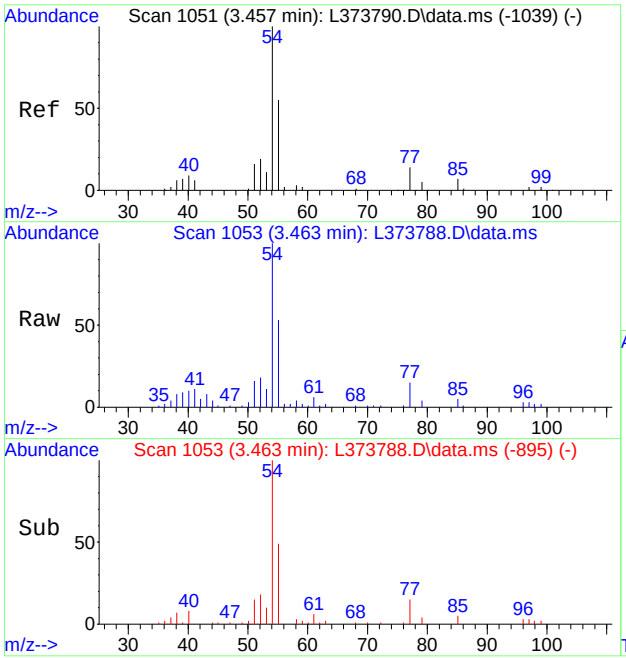


#37
cis-1,2-dichloroethene
Concen: 8.53 ug/L
RT: 3.438 min Scan# 1045
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 96 Resp: 24154

Ion	Ratio	Lower	Upper
96	100		
61	149.9	128.7	188.7
98	70.8	34.1	94.1

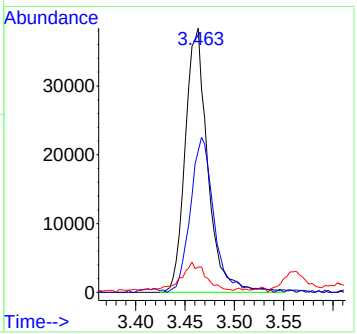


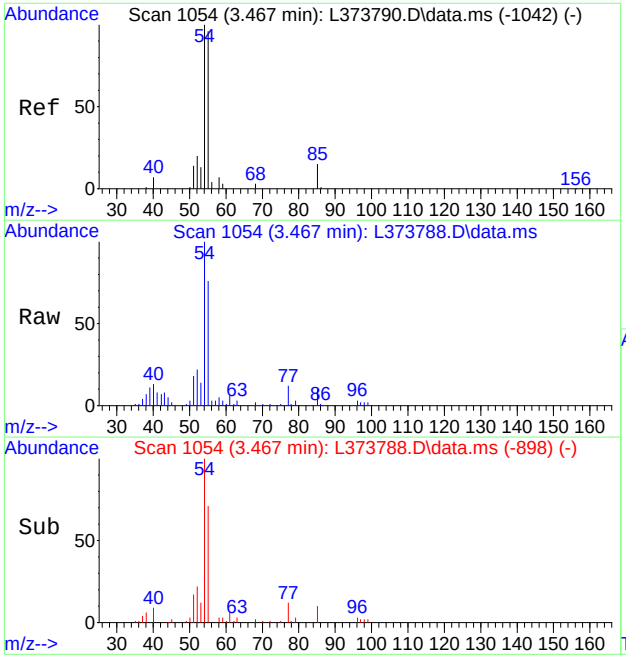


#38
propionitrile
Concen: 78.56 ug/L
RT: 3.463 min Scan# 1053
Delta R.T. 0.006 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 54 Resp: 61112

Ion	Ratio	Lower	Upper
54	100		
55	52.8	25.4	85.4
40	8.1	0.0	39.0

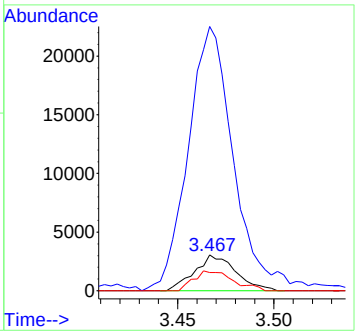


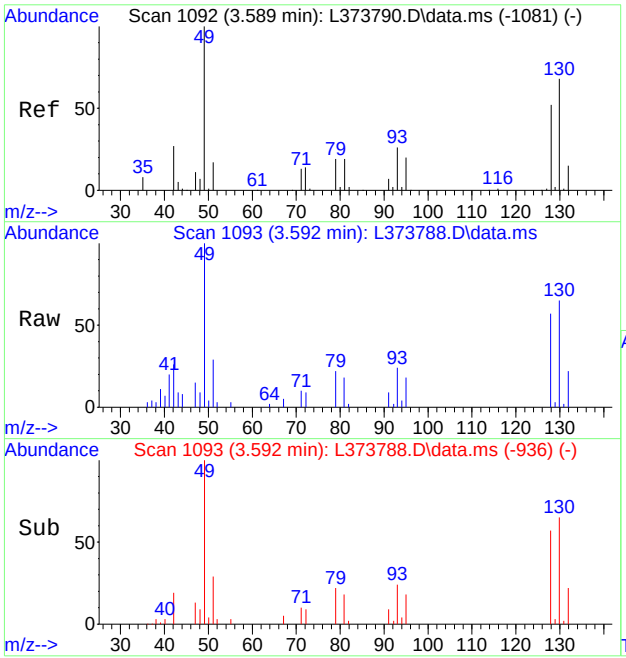


#39
methyl acrylate
Concen: 7.97 ug/L
RT: 3.467 min Scan# 1054
Delta R.T. -0.000 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 85 Resp: 4560

Ion	Ratio	Lower	Upper
85	100		
55	712.0	639.4	679.4#
58	51.0	29.8	69.8

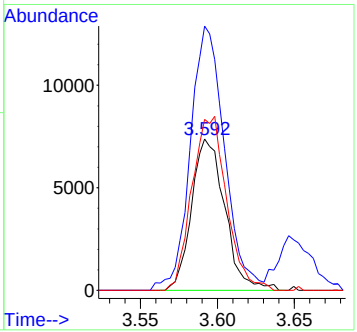


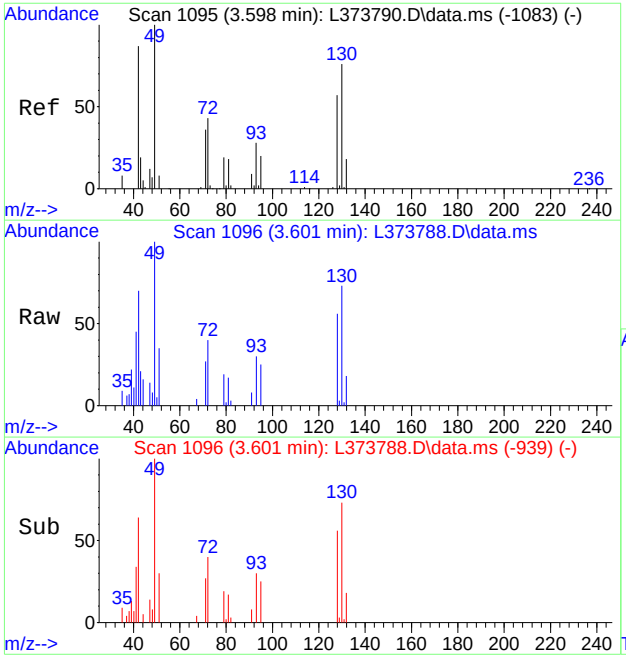


#40
bromochloromethane
Concen: 8.86 ug/L
RT: 3.592 min Scan# 1093
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion:128 Resp: 11101

Ion	Ratio	Lower	Upper
128	100		
49	169.9	163.3	223.3
130	113.0	100.3	160.3

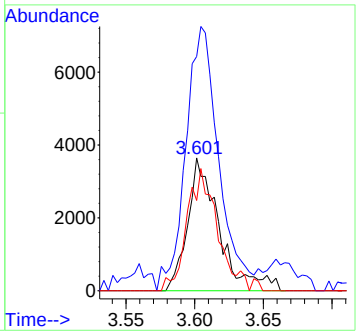


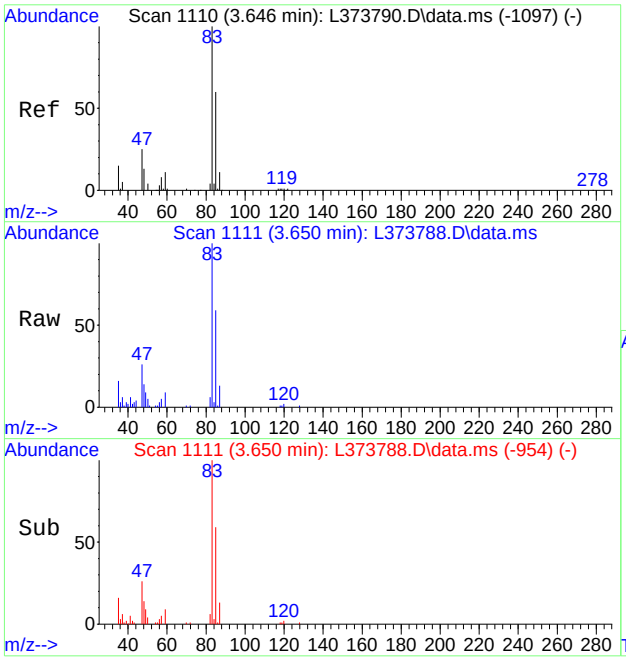


#41
tetrahydrofuran
Concen: 8.37 ug/L
RT: 3.601 min Scan# 1096
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 72 Resp: 5831

Ion	Ratio	Lower	Upper
72	100		
42	157.7	183.3	243.3#
71	68.0	53.5	113.5

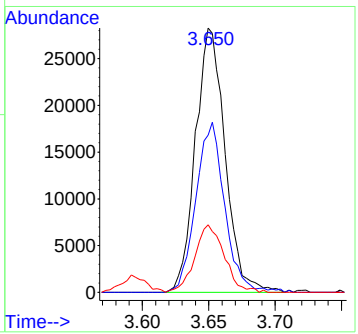


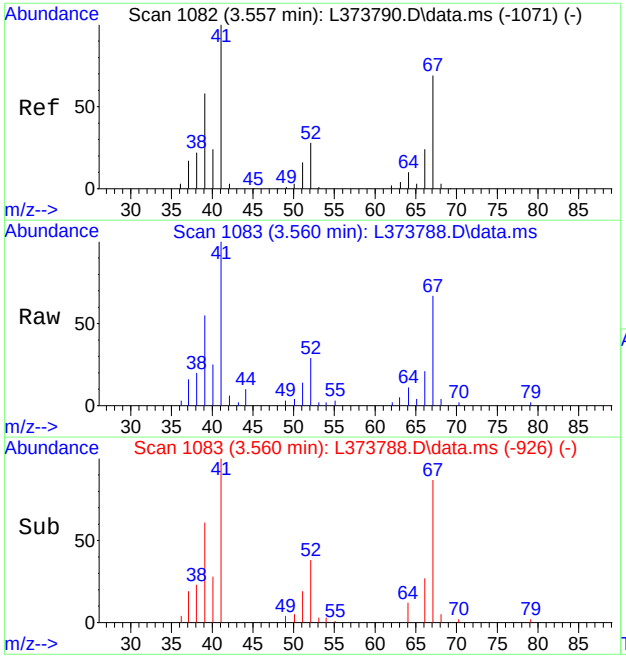


#42
chloroform
Concen: 7.67 ug/L
RT: 3.650 min Scan# 1111
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 83 Resp: 43994

Ion	Ratio	Lower	Upper
83	100		
85	59.4	29.7	89.7
47	25.6	0.0	54.6

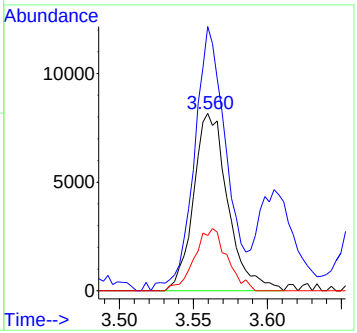


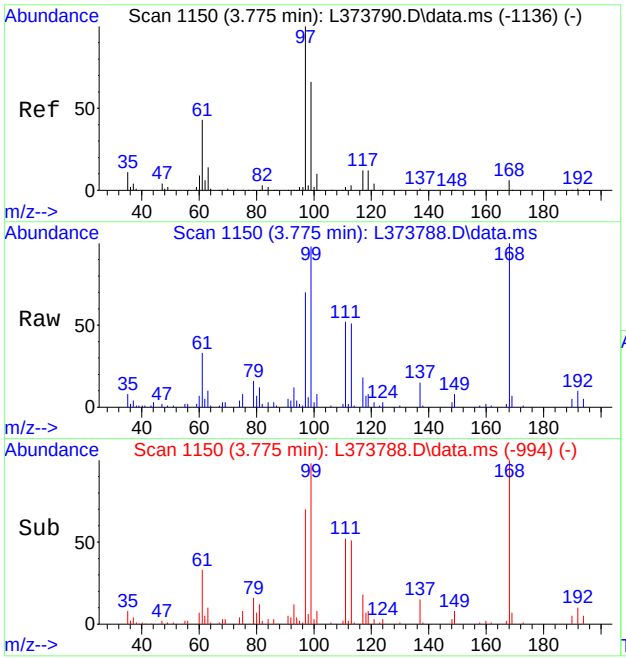


#44
methacrylonitrile
Concen: 8.15 ug/L
RT: 3.560 min Scan# 1083
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 67 Resp: 13142

Ion	Ratio	Lower	Upper
67	100		
41	144.6	115.3	175.3
66	31.2	4.3	64.3

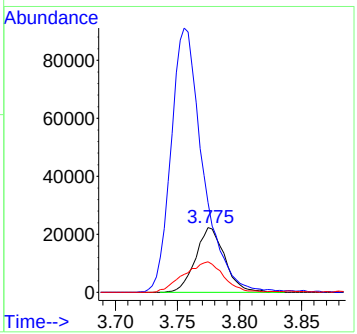


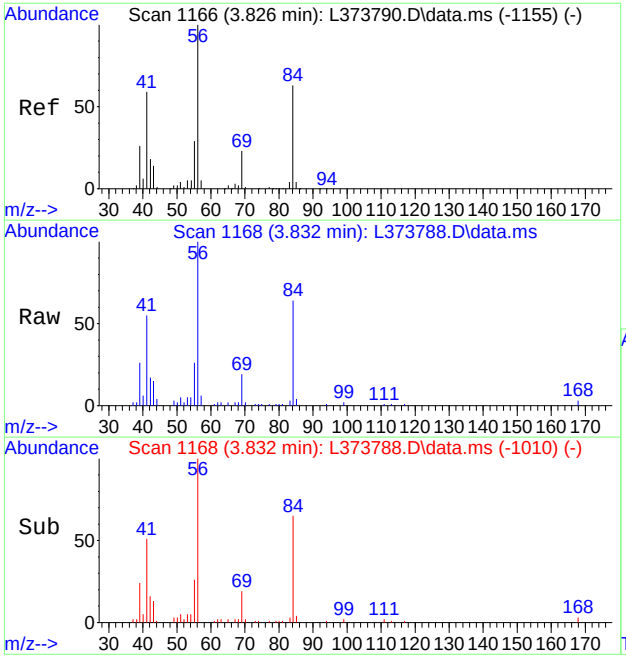


#45
1,1,1-trichloroethane
Concen: 8.68 ug/L
RT: 3.775 min Scan# 1150
Delta R.T. -0.000 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 97 Resp: 36647

Ion	Ratio	Lower	Upper
97	100		
99	136.6	41.0	101.0#
61	45.6	12.9	72.9

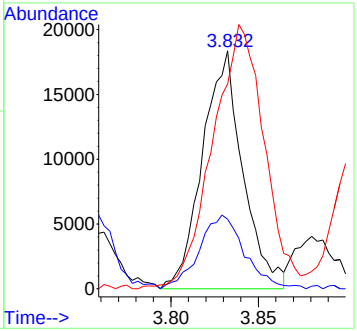


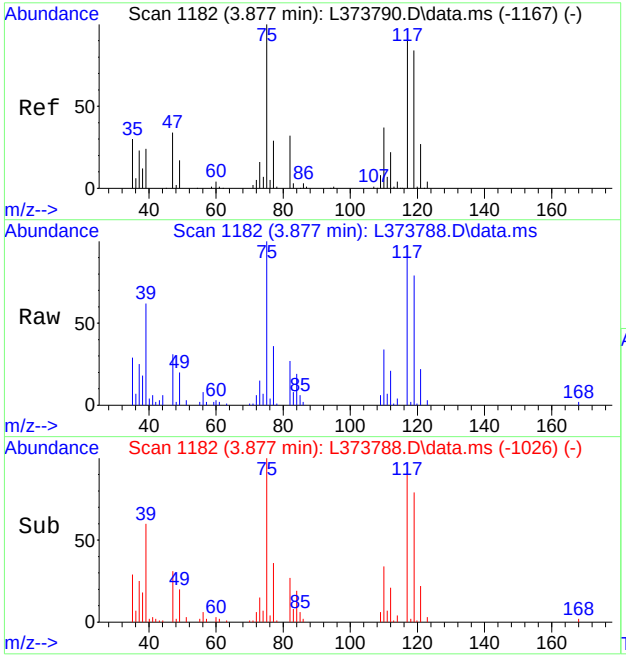


#46
cyclohexane
Concen: 8.59 ug/L
RT: 3.832 min Scan# 1168
Delta R.T. 0.006 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 84 Resp: 29530

Ion	Ratio	Lower	Upper
84	100		
69	29.3	16.2	56.2
41	84.4	73.6	113.6

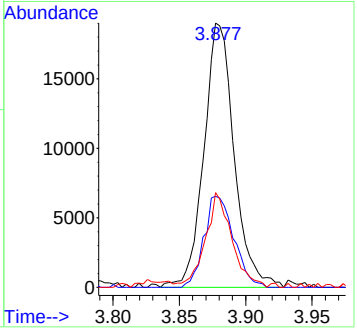


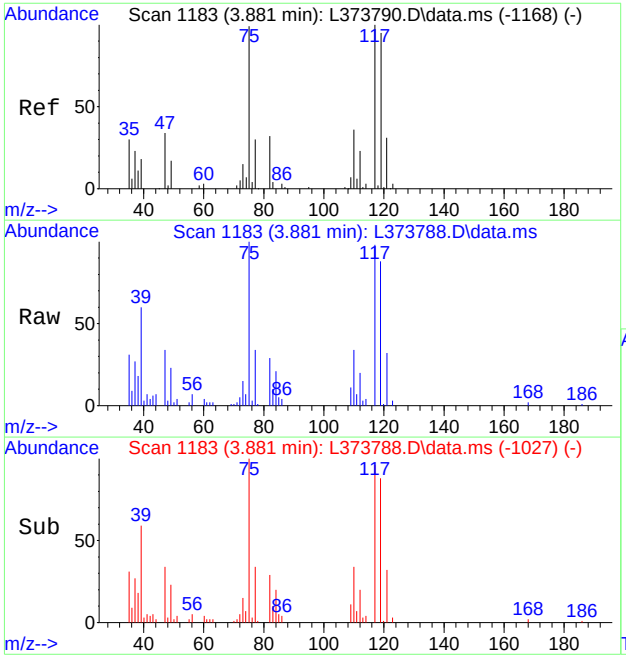


#47
1,1-dichloropropene
Concen: 9.17 ug/L
RT: 3.877 min Scan# 1182
Delta R.T. -0.000 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 75 Resp: 30156

Ion	Ratio	Lower	Upper
75	100		
110	34.5	17.0	57.0
77	35.8	10.2	50.2

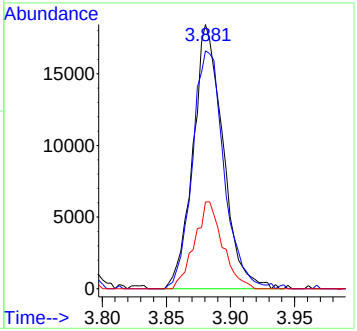


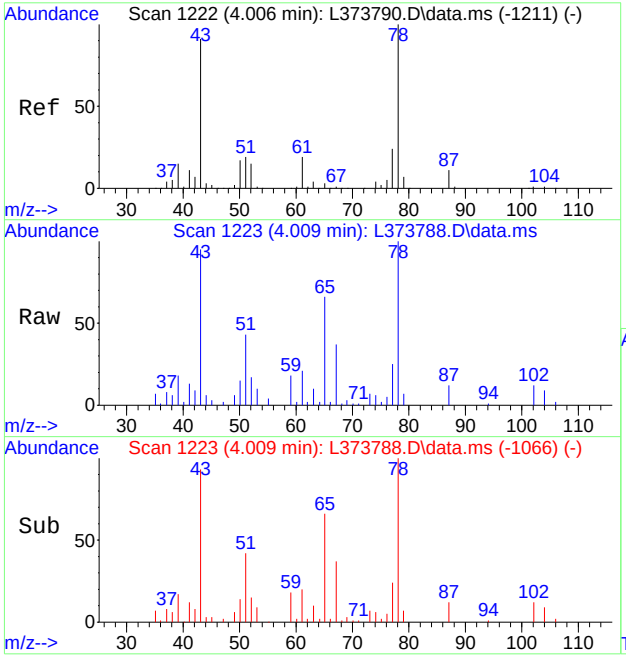


#48
carbon tetrachloride
Concen: 8.90 ug/L
RT: 3.881 min Scan# 1183
Delta R.T. -0.000 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion:117 Resp: 30032

Ion	Ratio	Lower	Upper
117	100		
119	89.9	74.4	114.4
121	32.9	10.8	50.8

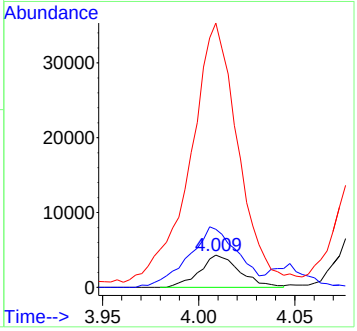


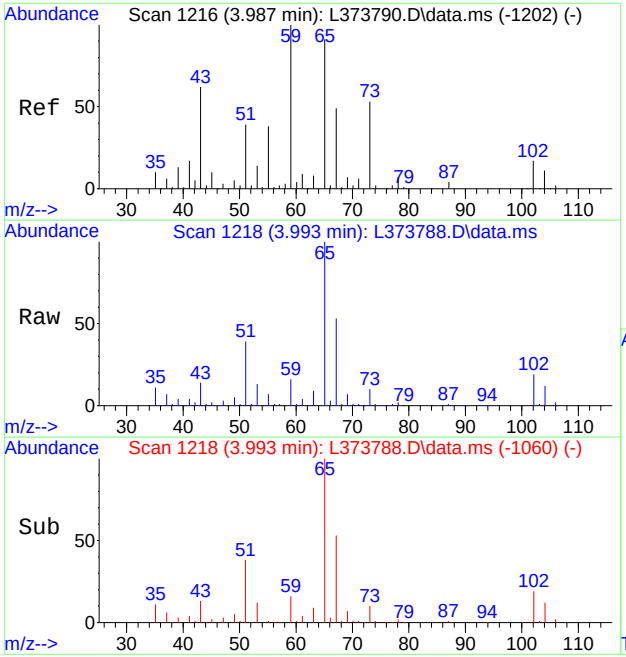


#49
isopropyl acetate
Concen: 8.32 ug/L
RT: 4.009 min Scan# 1223
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 87 Resp: 6285

Ion	Ratio	Lower	Upper
87	100		
61	156.6	152.1	192.1
43	784.1	844.1	904.1#

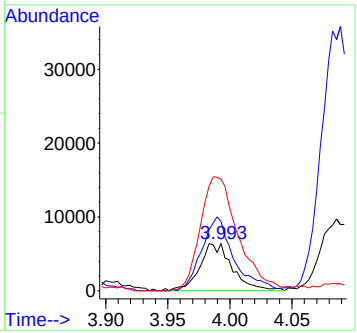


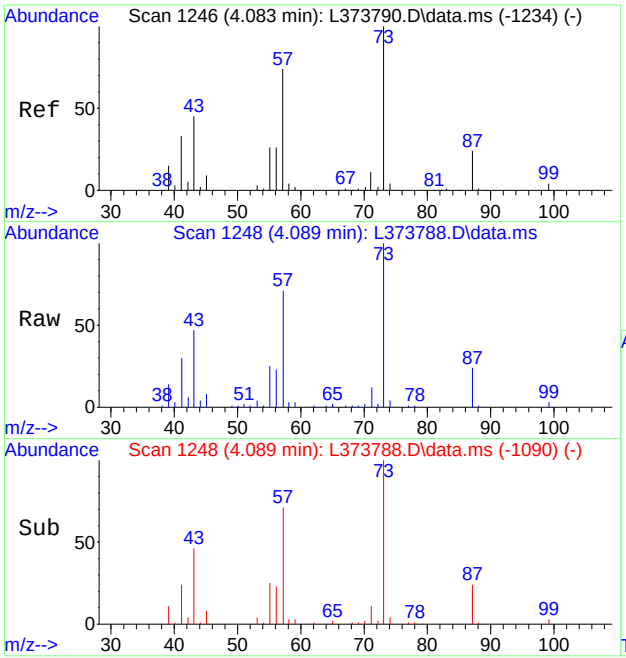


#50
tert amyl alcohol
Concen: 35.41 ug/L
RT: 3.993 min Scan# 1218
Delta R.T. 0.006 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 55 Resp: 11737

Ion	Ratio	Lower	Upper
55	100		
73	146.5	119.2	159.2
59	235.7	242.0	282.0#

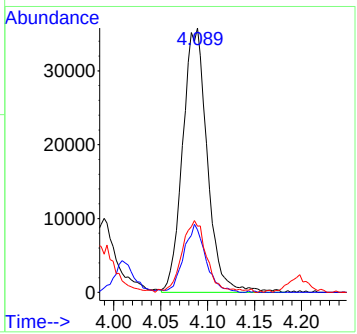


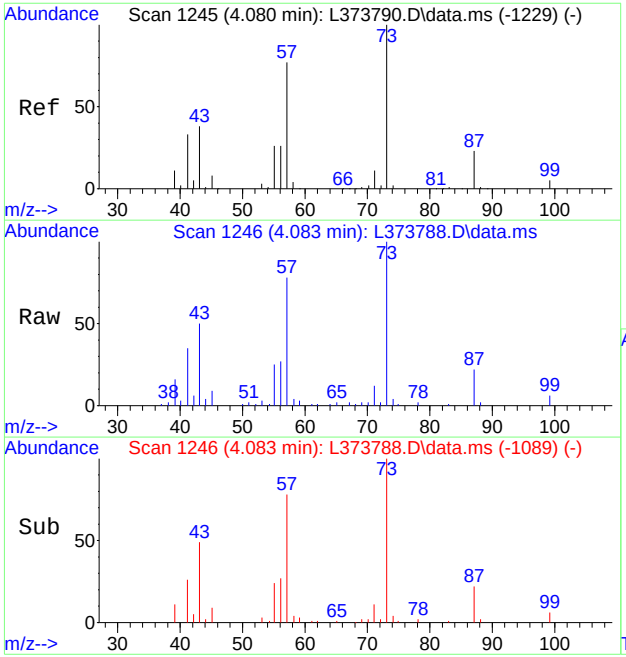


#53
tert-amyl methyl ether
Concen: 8.36 ug/L
RT: 4.089 min Scan# 1248
Delta R.T. 0.006 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 73 Resp: 65475

Ion	Ratio	Lower	Upper
73	100		
87	23.7	4.6	44.6
55	24.1	5.7	45.7

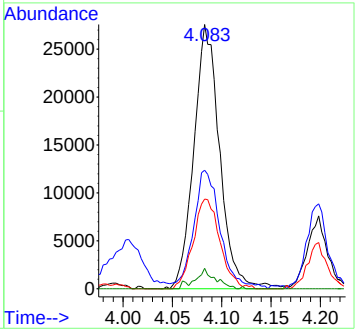


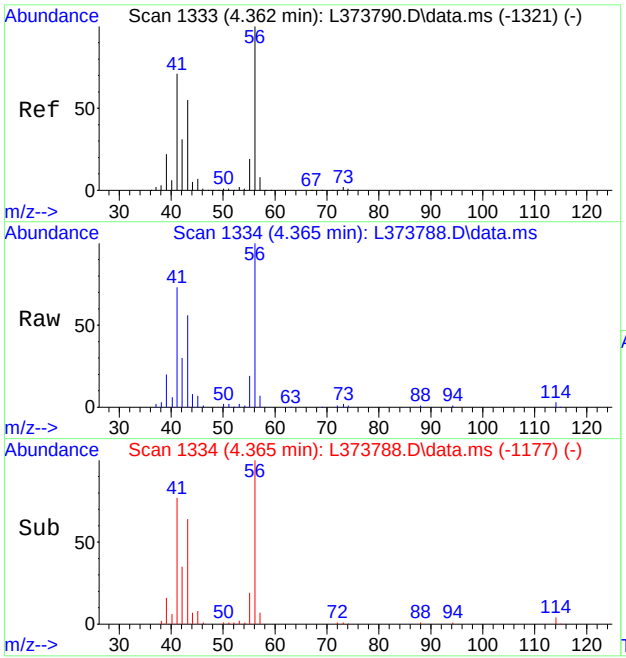


#54
2,2,4-trimethylpentane
Concen: 8.72 ug/L
RT: 4.083 min Scan# 1246
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 57 Resp: 50200

Ion	Ratio	Lower	Upper
57	100		
41	43.6	25.1	65.1
56	34.0	13.8	53.8
99	7.7	0.0	25.9

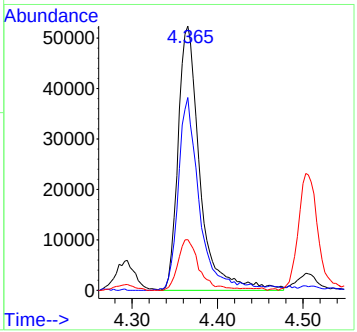


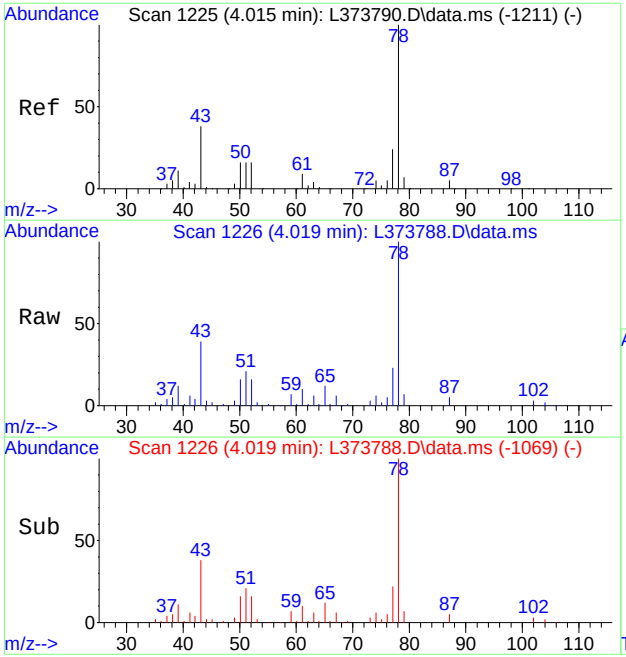


#55
n-butyl alcohol
Concen: 374.01 ug/L
RT: 4.365 min Scan# 1334
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 56 Resp: 93144

Ion	Ratio	Lower	Upper
56	100		
41	72.2	40.6	100.6
55	19.2	0.0	49.1

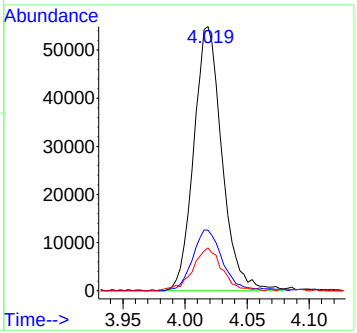


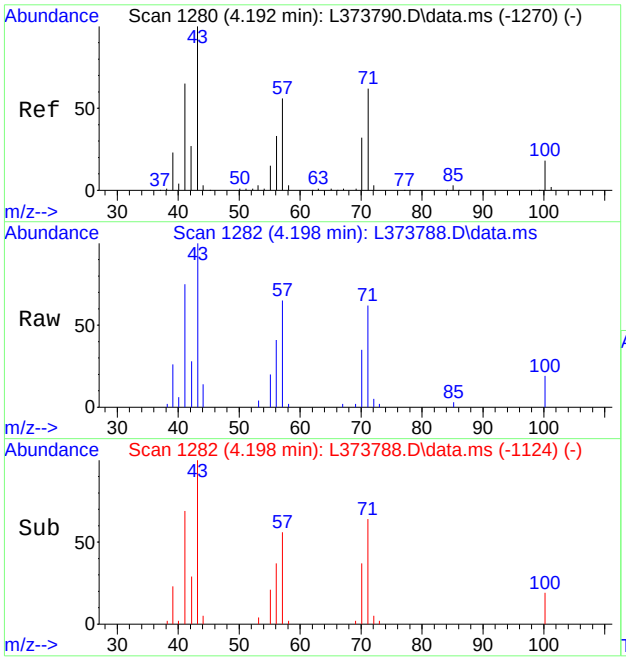


#56
benzene
Concen: 8.08 ug/L
RT: 4.019 min Scan# 1226
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 78 Resp: 86853

Ion	Ratio	Lower	Upper
78	100		
77	22.9	0.0	53.5
52	15.7	0.0	46.2

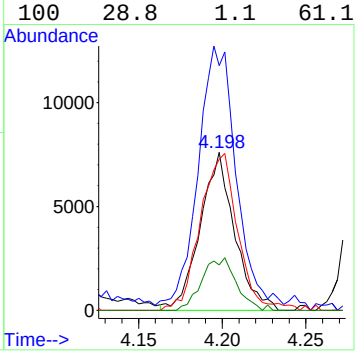


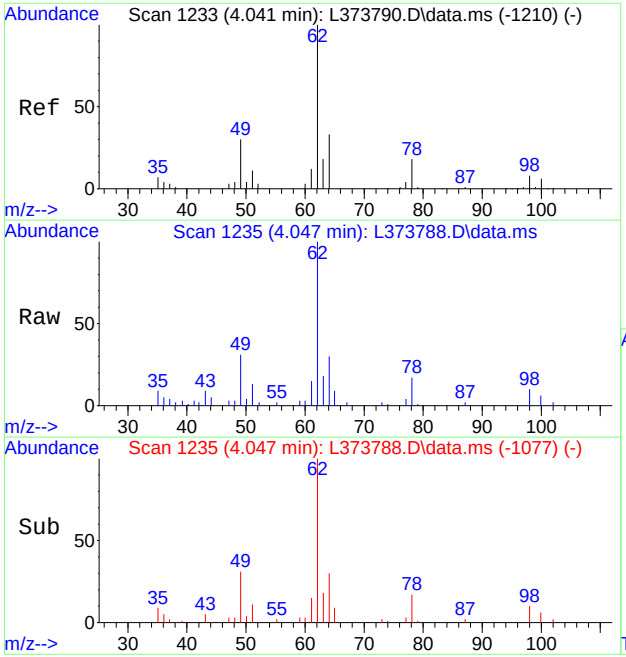


#57
heptane
Concen: 9.04 ug/L
RT: 4.198 min Scan# 1282
Delta R.T. 0.006 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 57 Resp: 10864

Ion	Ratio	Lower	Upper
57	100		
43	151.1	146.8	206.8
71	95.6	78.5	138.5
100	28.8	1.1	61.1

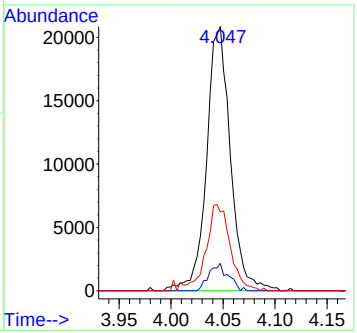


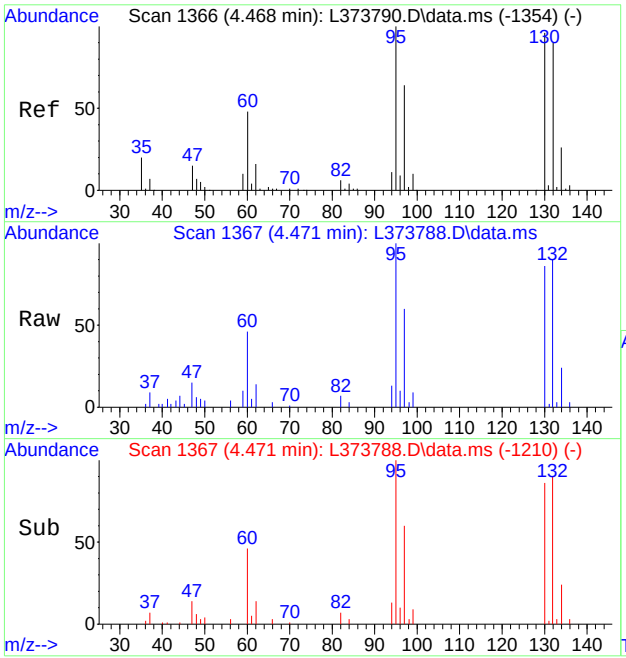


#58
1,2-dichloroethane
Concen: 8.08 ug/L
RT: 4.047 min Scan# 1235
Delta R.T. 0.006 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 62 Resp: 33230

Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	38.1
64	29.8	2.8	62.8

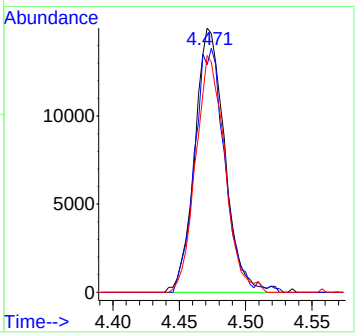


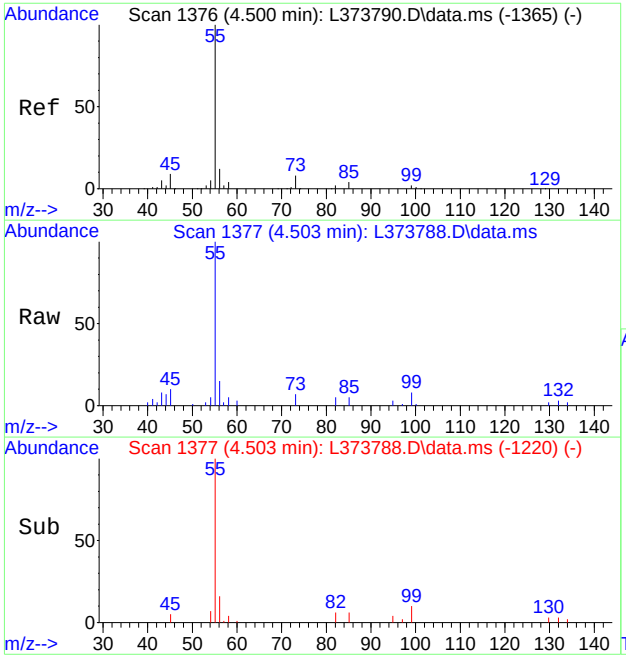


#59
trichloroethene
Concen: 9.08 ug/L
RT: 4.471 min Scan# 1367
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 95 Resp: 23523

Ion	Ratio	Lower	Upper
95	100		
130	86.1	65.5	125.5
132	89.6	59.7	119.7

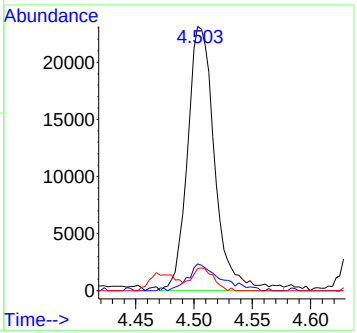


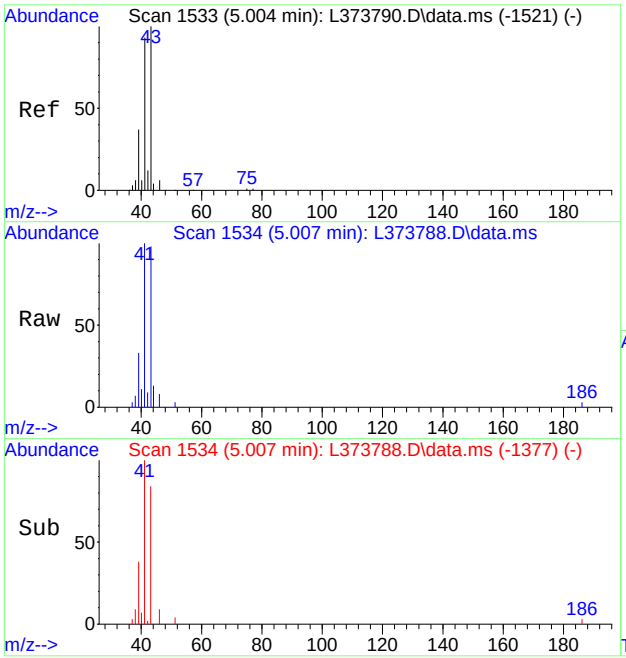


#60
ethyl acrylate
Concen: 7.62 ug/L
RT: 4.503 min Scan# 1377
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 55 Resp: 37628

Ion	Ratio	Lower	Upper
55	100		
45	10.2	0.0	28.6
99	8.4	0.0	27.8

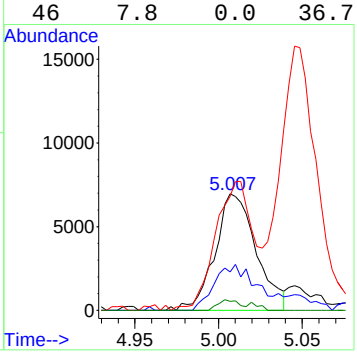


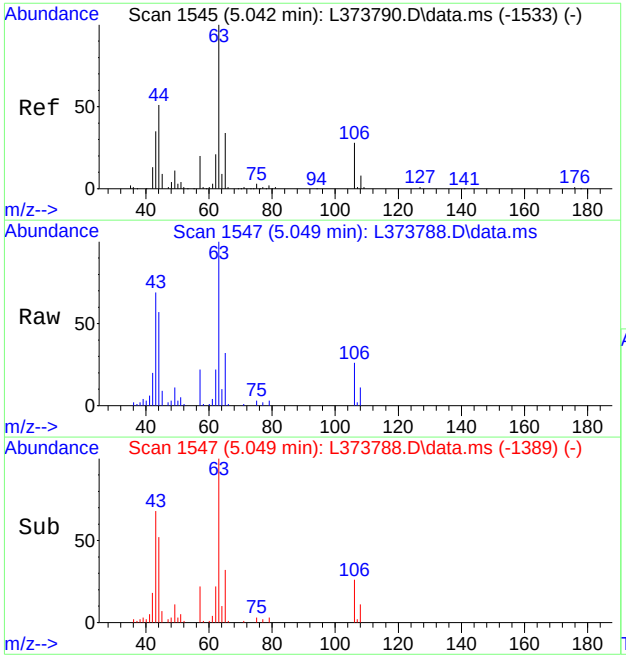


#61
2-nitropropane
Concen: 8.45 ug/L
RT: 5.007 min Scan# 1534
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 41 Resp: 11975

Ion	Ratio	Lower	Upper
41	100		
39	32.9	10.0	70.0
43	97.9	77.9	137.9
46	7.8	0.0	36.7

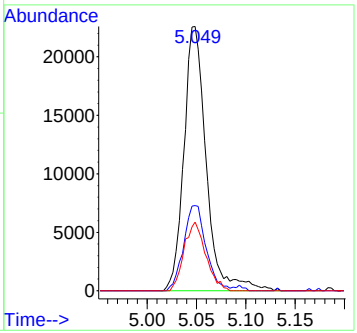


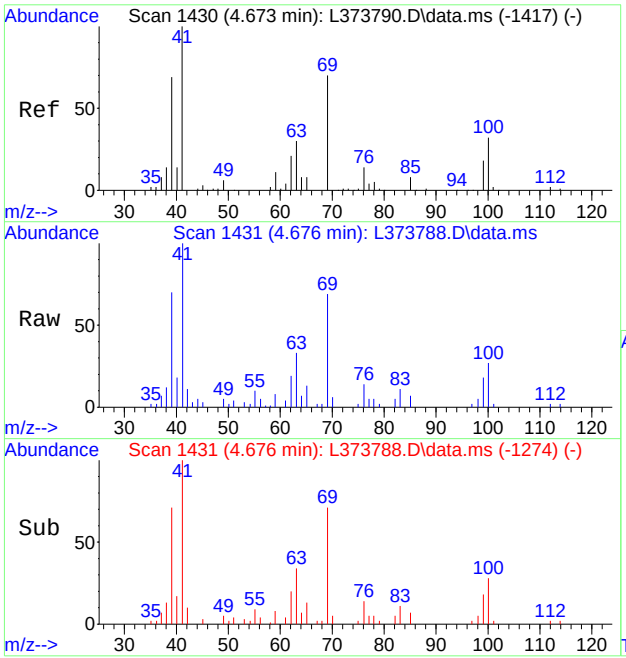


#62
2-chloroethyl vinyl ether
Concen: 38.94 ug/L
RT: 5.049 min Scan# 1547
Delta R.T. 0.006 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 63 Resp: 35697

Ion	Ratio	Lower	Upper
63	100		
65	32.2	3.9	63.9
106	26.0	0.0	57.6

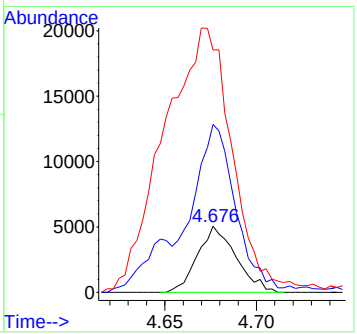


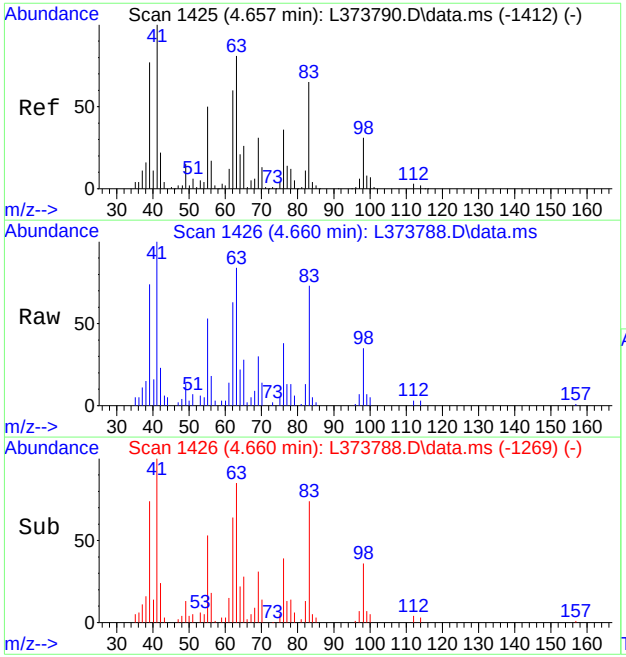


#63
methyl methacrylate
Concen: 8.43 ug/L
RT: 4.676 min Scan# 1431
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion:100 Resp: 7380

Ion	Ratio	Lower	Upper
100	100		
69	246.5	221.2	281.2
41	351.0	360.4	420.4#

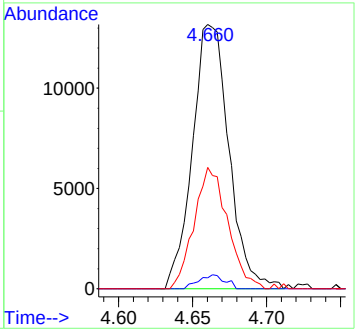


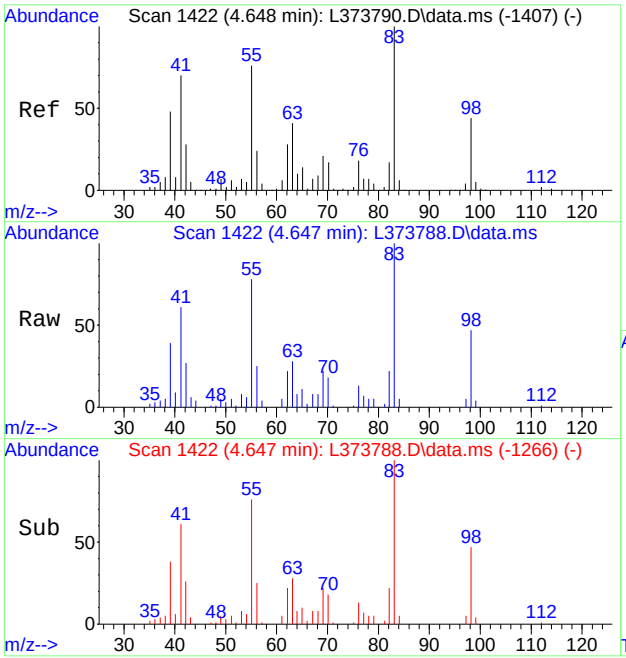


#64
1,2-dichloropropane
Concen: 8.35 ug/L
RT: 4.660 min Scan# 1426
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 63 Resp: 22648

Ion	Ratio	Lower	Upper
63	100		
112	4.1	0.0	34.1
76	45.9	14.3	74.3

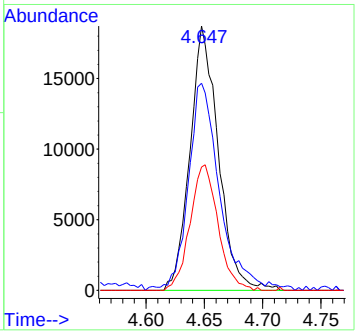


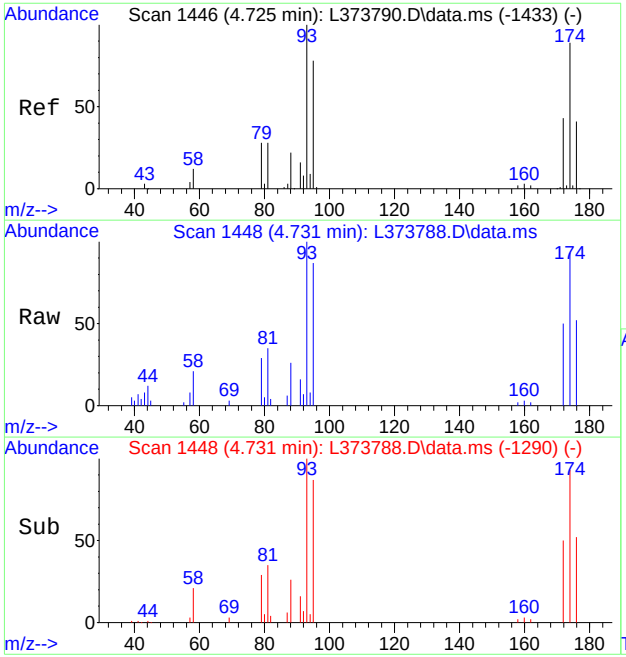


#65
methylcyclohexane
Concen: 9.02 ug/L
RT: 4.647 min Scan# 1422
Delta R.T. -0.000 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 83 Resp: 31653

Ion	Ratio	Lower	Upper
83	100		
55	77.1	46.3	106.3
98	46.7	13.7	73.7

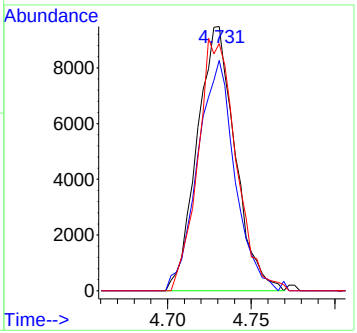


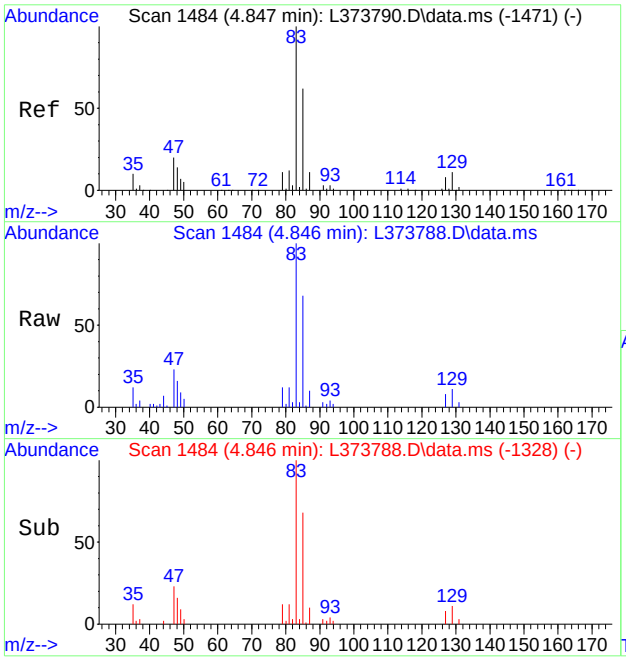


#66
dibromomethane
Concen: 7.80 ug/L
RT: 4.731 min Scan# 1448
Delta R.T. 0.006 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 93 Resp: 14949

Ion	Ratio	Lower	Upper
93	100		
95	87.1	48.3	108.3
174	93.5	59.2	119.2

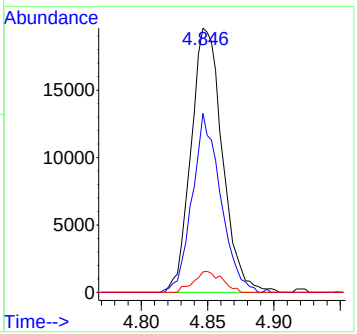


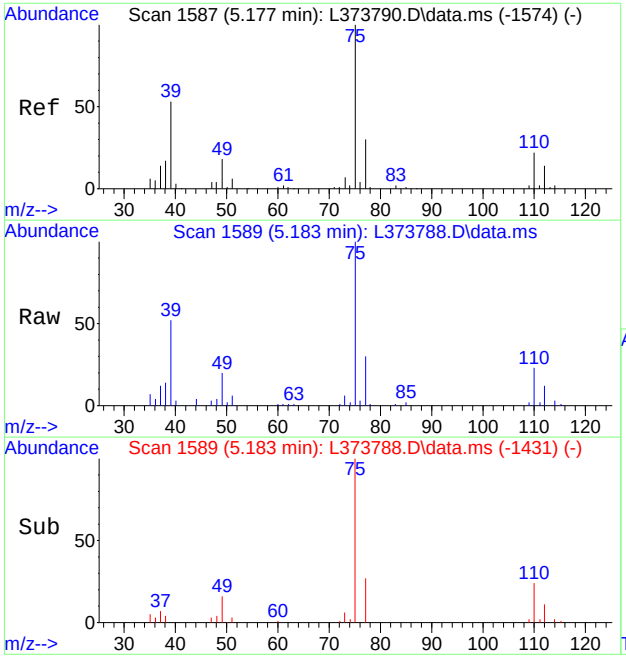


#67
bromodichloromethane
Concen: 8.28 ug/L
RT: 4.846 min Scan# 1484
Delta R.T. -0.000 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 83 Resp: 32224

Ion	Ratio	Lower	Upper
83	100		
85	67.7	31.5	91.5
127	7.8	0.0	38.3

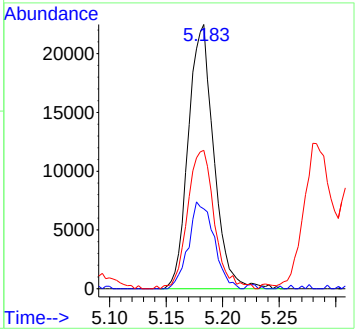


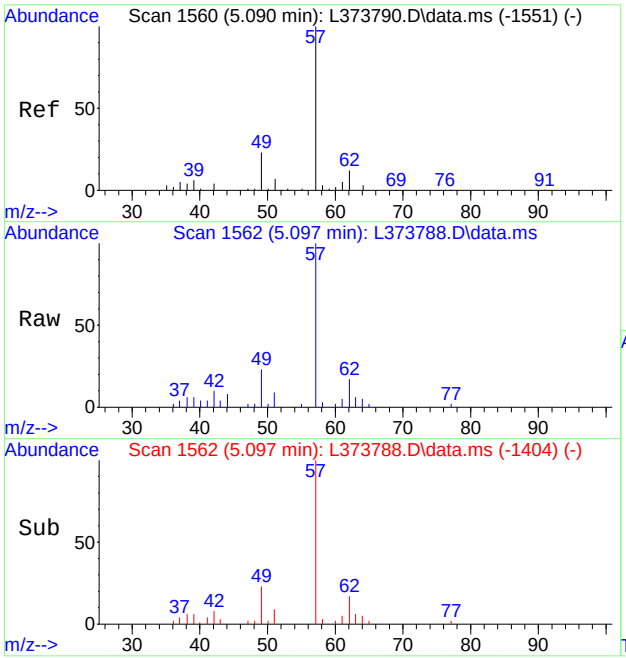


#68
cis-1,3-dichloropropene
Concen: 8.16 ug/L
RT: 5.183 min Scan# 1589
Delta R.T. 0.006 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 75 Resp: 35266

Ion	Ratio	Lower	Upper
75	100		
77	30.2	0.1	60.1
39	52.4	23.1	83.1

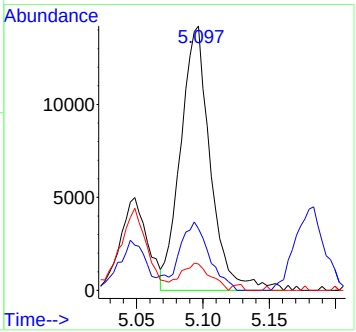


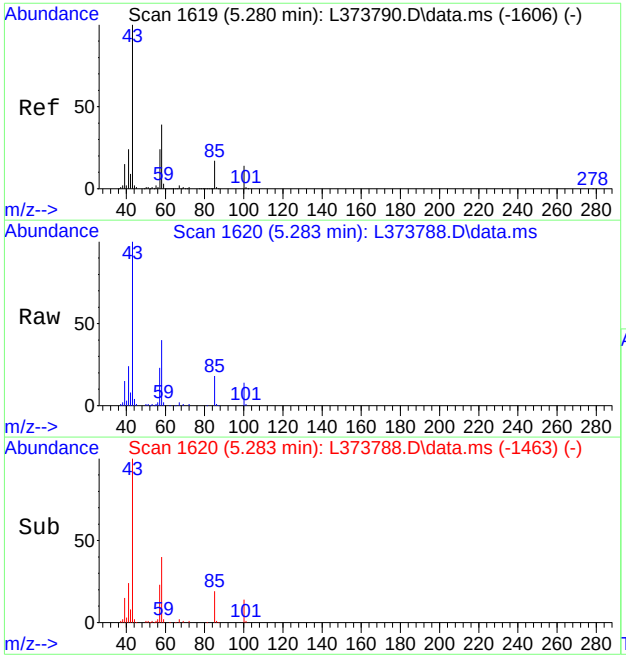


#69
epichlorohydrin
Concen: 38.75 ug/L
RT: 5.097 min Scan# 1562
Delta R.T. 0.006 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 57 Resp: 22193

Ion	Ratio	Lower	Upper
57	100		
49	19.3	1.0	41.0
42	10.0	0.0	29.5

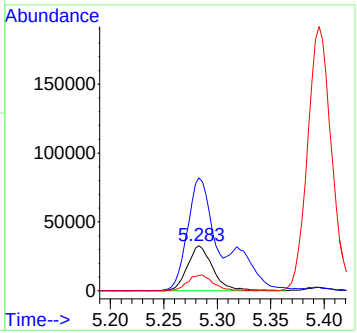


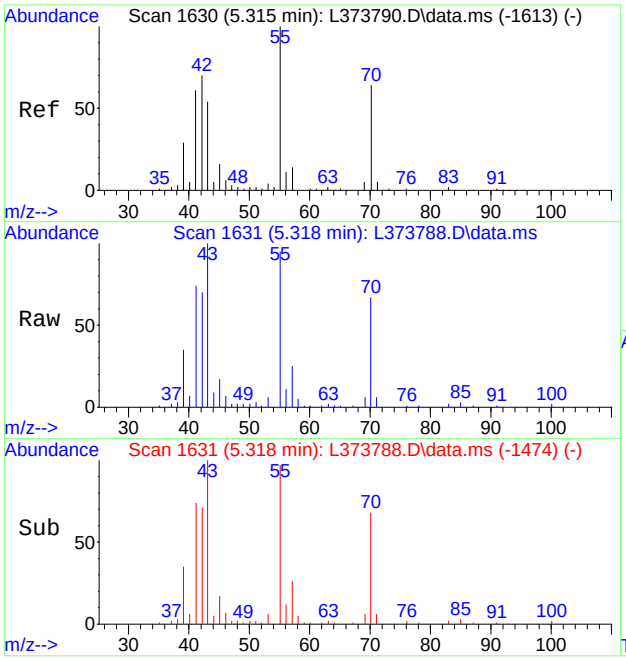


#70
4-methyl-2-pentanone
Concen: 30.76 ug/L
RT: 5.283 min Scan# 1620
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 58 Resp: 54358

Ion	Ratio	Lower	Upper
58	100		
43	249.3	233.3	273.3
100	34.6	15.2	55.2

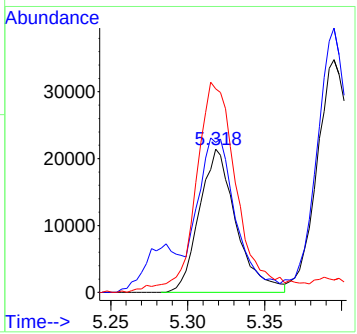


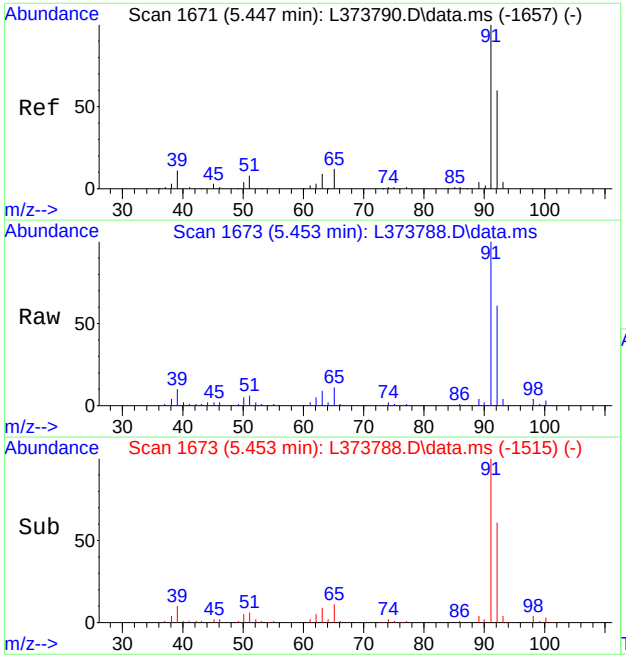


#71
3-methyl-1-butanol
Concen: 153.24 ug/L
RT: 5.318 min Scan# 1631
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 70 Resp: 35800

Ion	Ratio	Lower	Upper
70	100		
42	95.6	94.2	134.2
55	136.5	137.5	177.5#

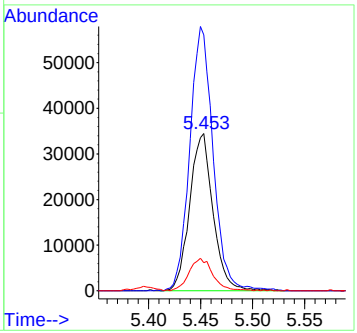


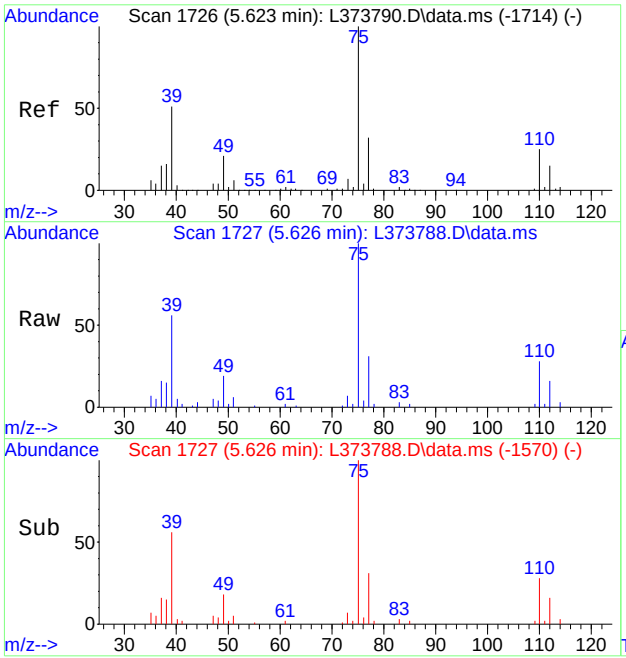


#74
toluene
Concen: 8.13 ug/L
RT: 5.453 min Scan# 1673
Delta R.T. 0.006 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 92 Resp: 54045

Ion	Ratio	Lower	Upper
92	100		
91	162.9	136.7	196.7
65	17.9	0.0	50.8

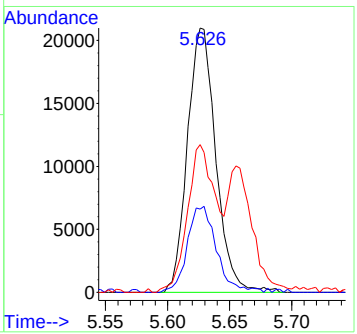


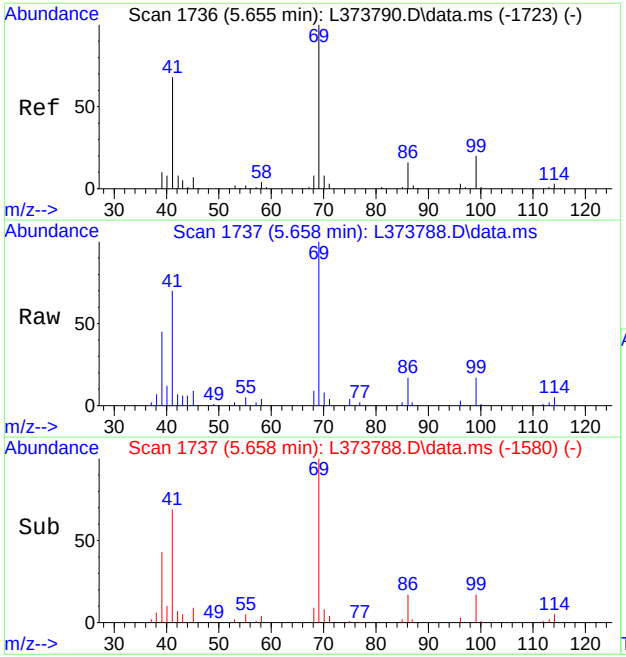


#75
trans-1,3-dichloropropene
Concen: 8.26 ug/L
RT: 5.626 min Scan# 1727
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 75 Resp: 33425

Ion	Ratio	Lower	Upper
75	100		
77	31.5	1.7	61.7
39	54.5	20.7	80.7

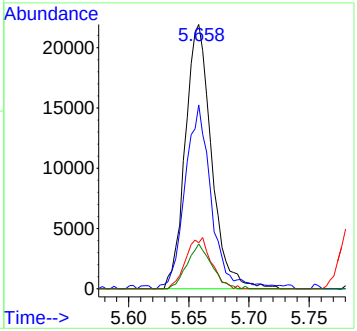


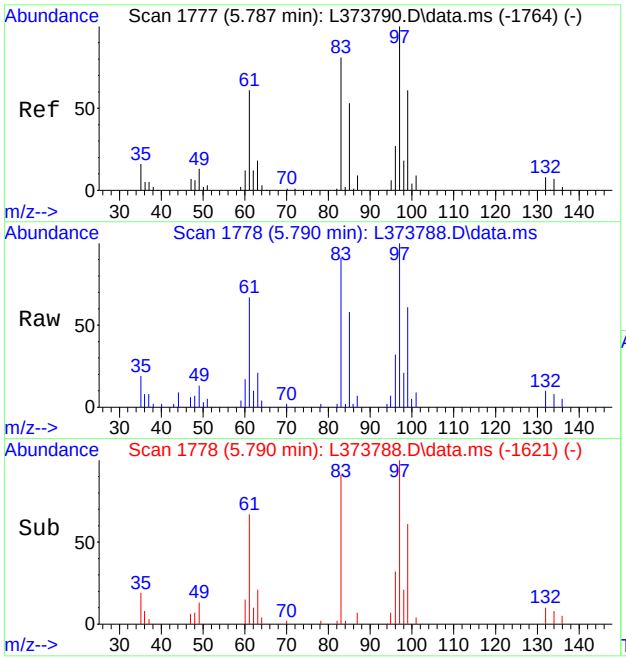


#76
ethyl methacrylate
Concen: 7.76 ug/L
RT: 5.658 min Scan# 1737
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 69 Resp: 33397

Ion	Ratio	Lower	Upper
69	100		
41	68.4	38.9	98.9
99	17.4	0.0	50.4
86	17.0	0.0	45.9

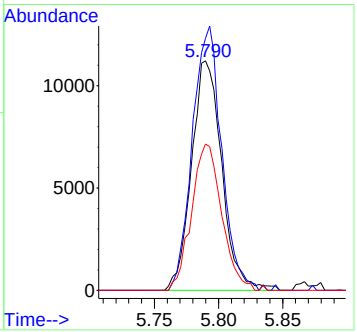


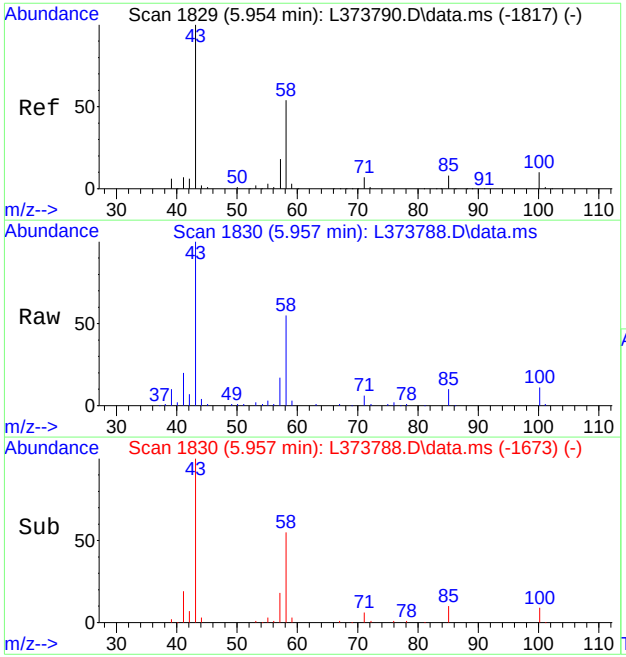


#77
1,1,2-trichloroethane
Concen: 8.50 ug/L
RT: 5.790 min Scan# 1778
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 83 Resp: 18463

Ion	Ratio	Lower	Upper
83	100		
97	109.8	93.6	153.6
85	63.7	35.4	95.4

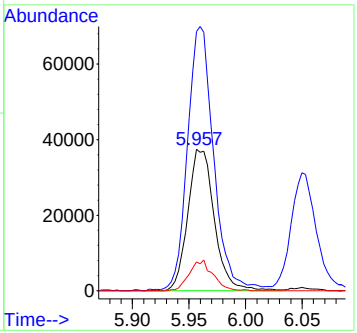


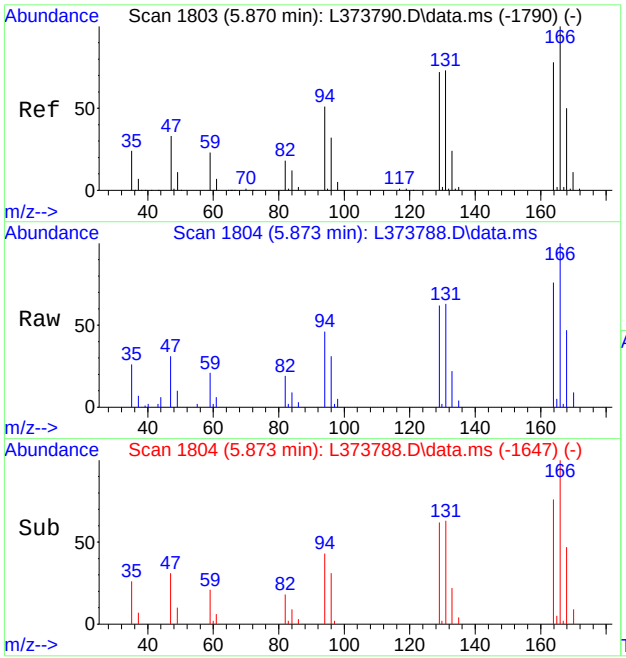


#78
2-hexanone
Concen: 31.42 ug/L
RT: 5.957 min Scan# 1830
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 58 Resp: 61087

Ion	Ratio	Lower	Upper
58	100		
43	182.2	154.6	214.6
100	20.4	0.0	49.0

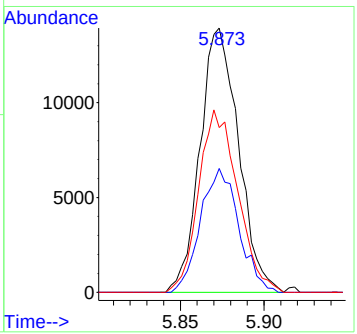


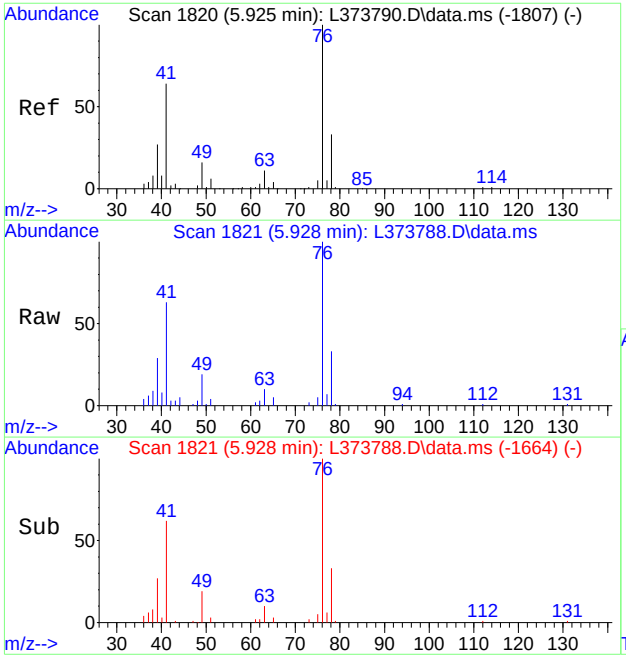


#79
tetrachloroethene
Concen: 8.53 ug/L
RT: 5.873 min Scan# 1804
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion:166 Resp: 22346

Ion	Ratio	Lower	Upper
166	100		
168	46.8	19.7	79.7
129	62.3	42.4	102.4

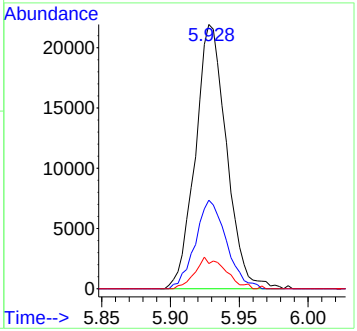


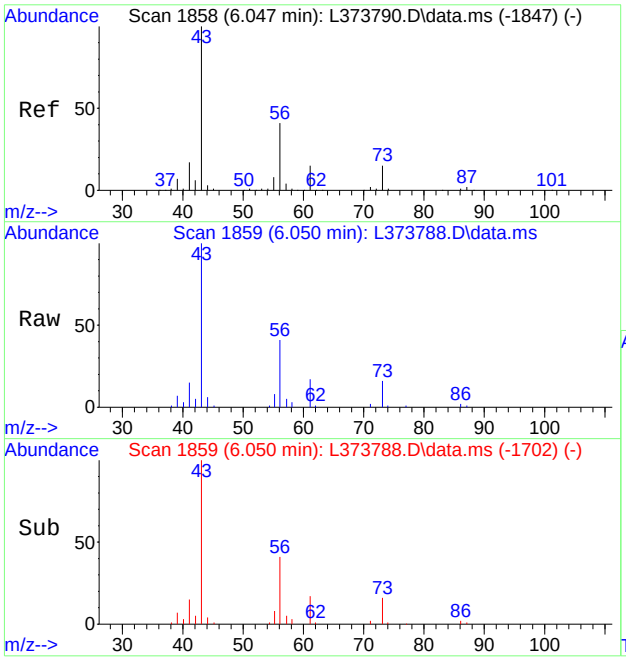


#80
1,3-dichloropropane
Concen: 8.27 ug/L
RT: 5.928 min Scan# 1821
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 76 Resp: 34580

Ion	Ratio	Lower	Upper
76	100		
78	33.5	2.7	62.7
63	9.6	0.0	41.2

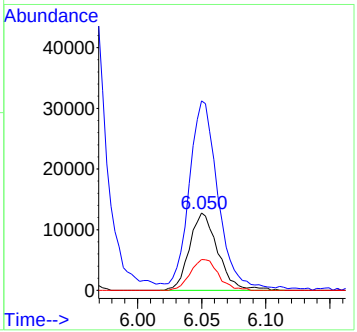


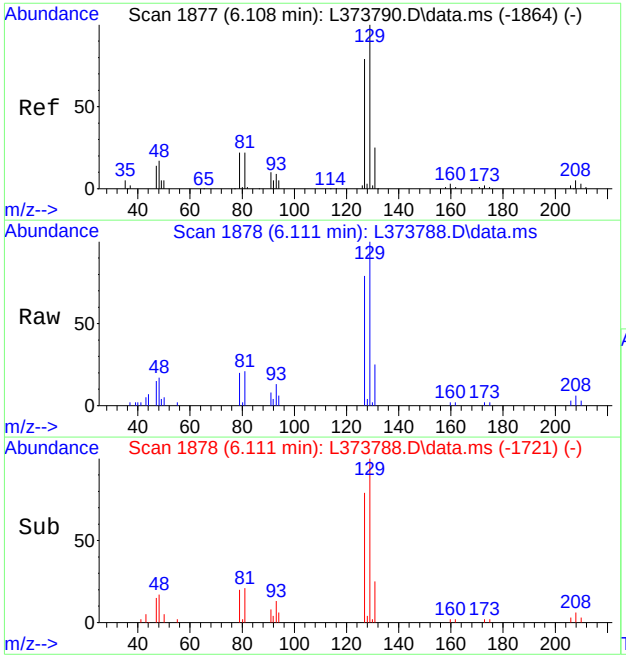


#81
butyl acetate
Concen: 7.61 ug/L
RT: 6.050 min Scan# 1859
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 56 Resp: 19630

Ion	Ratio	Lower	Upper
56	100		
43	241.1	218.3	278.3
73	39.9	7.2	67.2

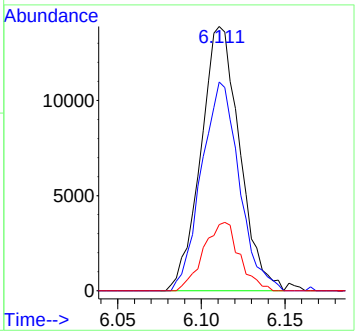


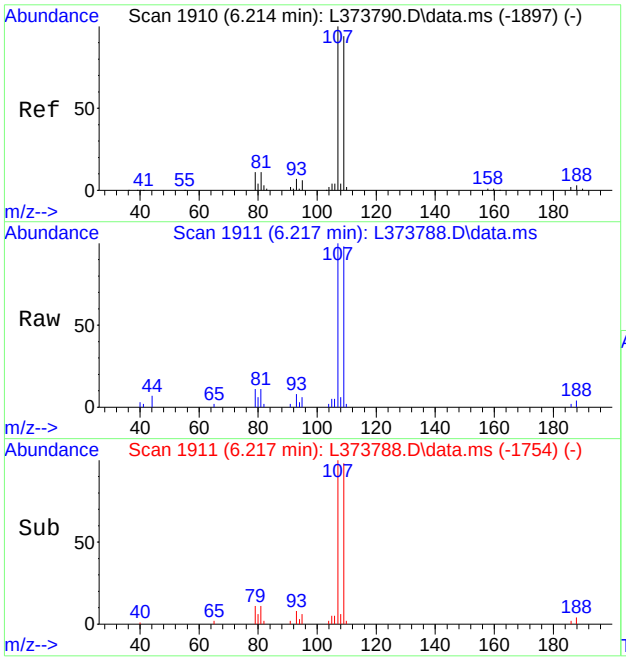


#82
dibromochloromethane
Concen: 7.83 ug/L
RT: 6.111 min Scan# 1878
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion:129 Resp: 22388

Ion	Ratio	Lower	Upper
129	100		
127	79.0	49.0	109.0
131	25.0	0.0	54.6

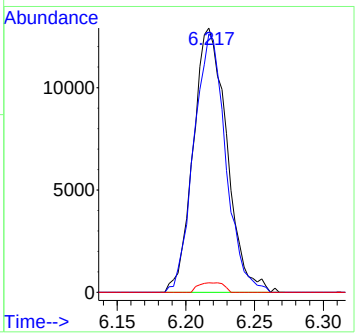


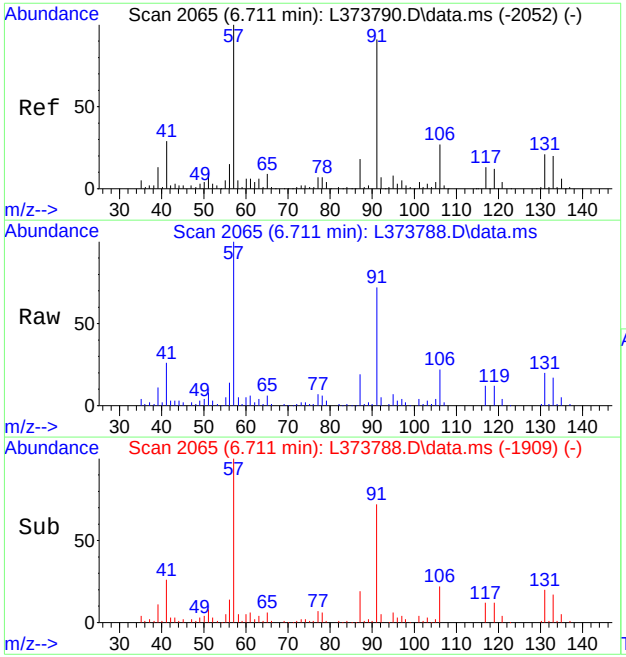


#83
1,2-dibromoethane
Concen: 8.32 ug/L
RT: 6.217 min Scan# 1911
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion:107 Resp: 21966

Ion	Ratio	Lower	Upper
107	100		
109	97.7	63.9	123.9
188	3.7	0.0	33.4

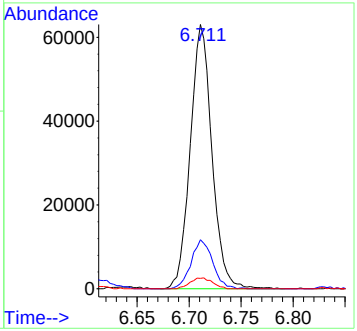


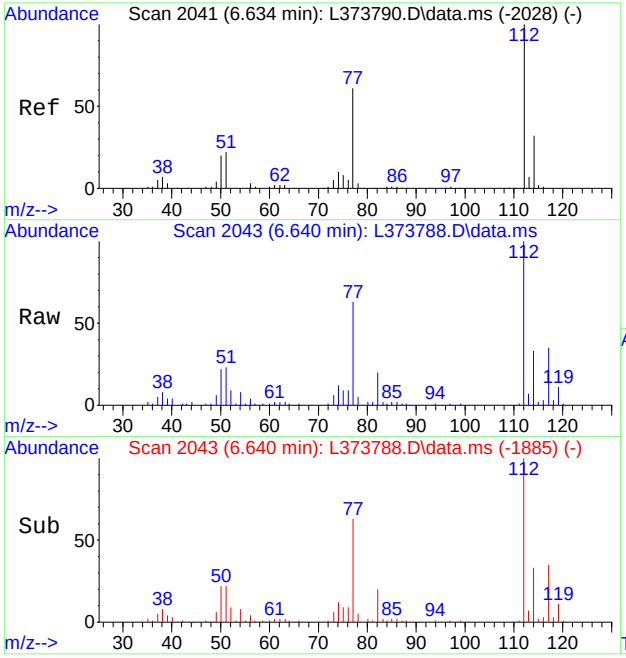


#84
n-butyl ether
Concen: 8.15 ug/L
RT: 6.711 min Scan# 2065
Delta R.T. -0.000 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 57 Resp: 91748

Ion	Ratio	Lower	Upper
57	100		
87	18.6	0.0	47.8
101	4.0	0.0	34.2

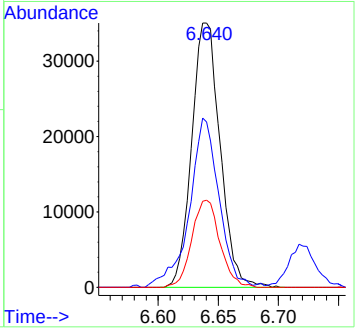


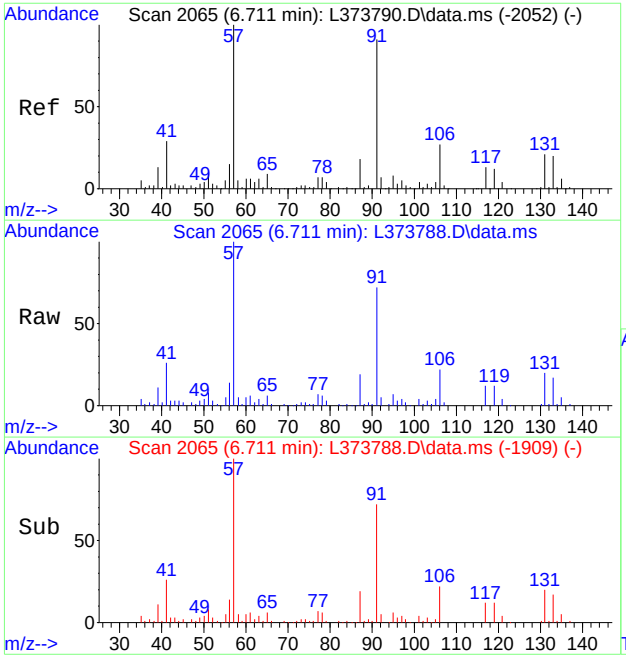


#85
chlorobenzene
Concen: 8.21 ug/L
RT: 6.640 min Scan# 2043
Delta R.T. 0.006 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion:112 Resp: 57714

Ion	Ratio	Lower	Upper
112	100		
77	58.7	30.8	90.8
114	32.9	2.4	62.4

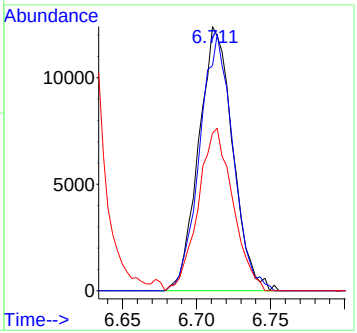


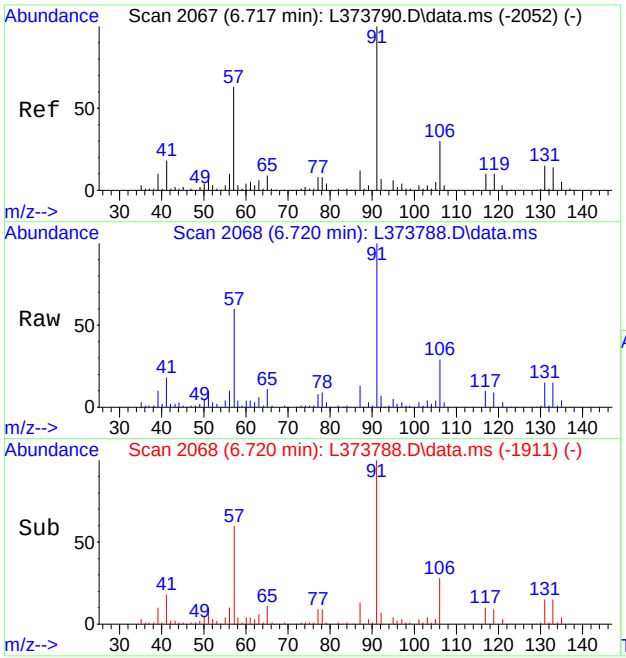


#86
1,1,1,2-tetrachloroethane
Concen: 8.76 ug/L
RT: 6.711 min Scan# 2065
Delta R.T. -0.000 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion:131 Resp: 19840

Ion	Ratio	Lower	Upper
131	100		
133	85.1	65.1	125.1
119	59.6	30.8	90.8

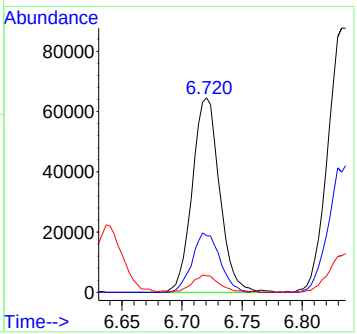


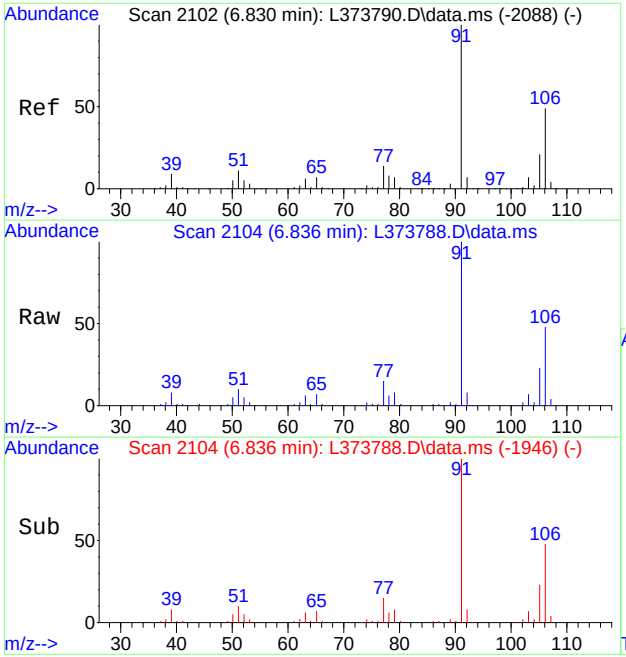


#87
ethylbenzene
Concen: 8.47 ug/L
RT: 6.720 min Scan# 2068
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 91 Resp: 102196

Ion	Ratio	Lower	Upper
91	100		
106	29.1	0.1	60.1
77	8.5	0.0	38.6

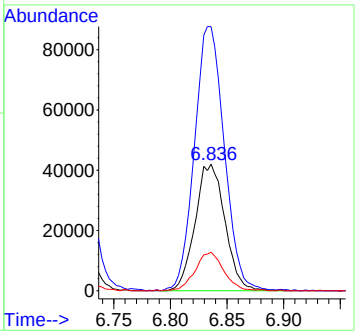


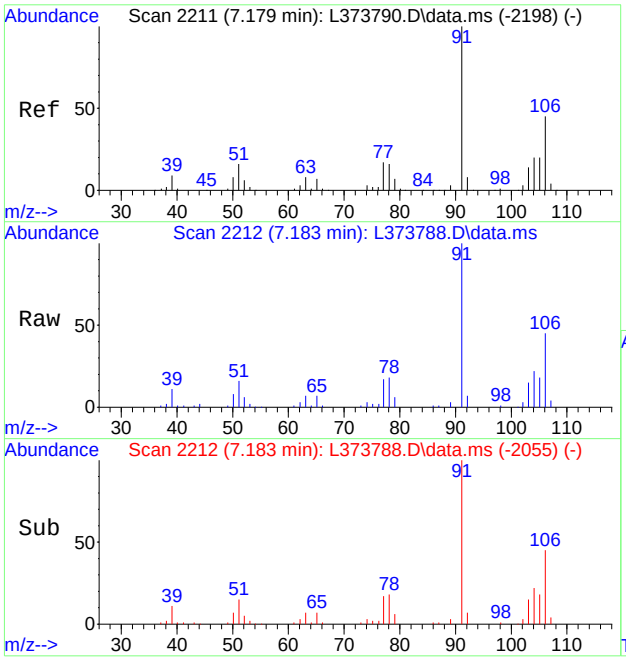


#88
m,p-xylene
Concen: 16.35 ug/L
RT: 6.836 min Scan# 2104
Delta R.T. 0.006 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion:106 Resp: 77071

Ion	Ratio	Lower	Upper
106	100		
91	208.4	175.7	235.7
77	30.5	8.1	48.1

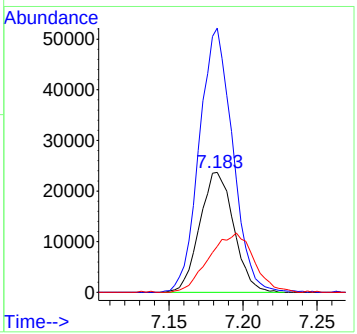


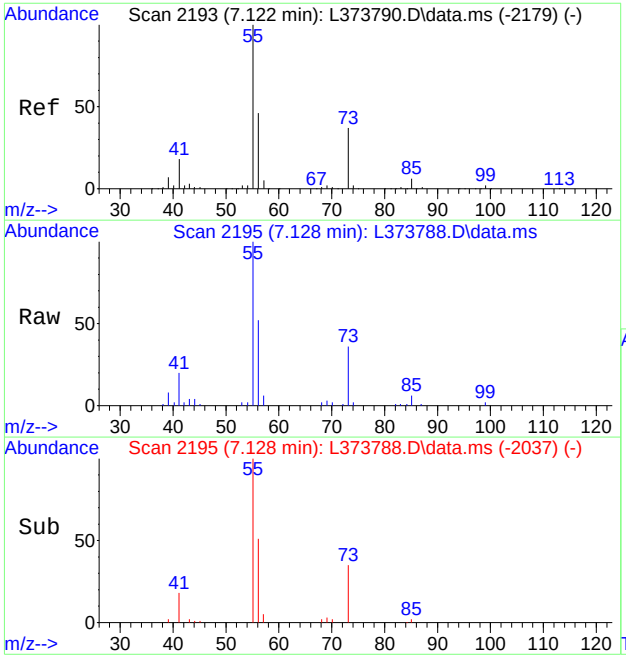


#89
o-xylene
Concen: 8.20 ug/L
RT: 7.183 min Scan# 2212
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion:106 Resp: 37933

Ion	Ratio	Lower	Upper
106	100		
91	220.5	194.5	254.5
77	38.4	18.1	58.1

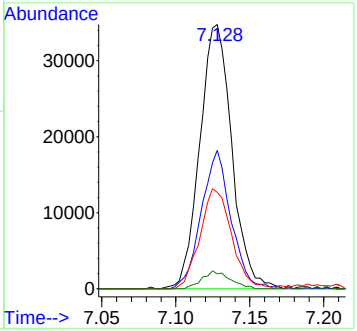


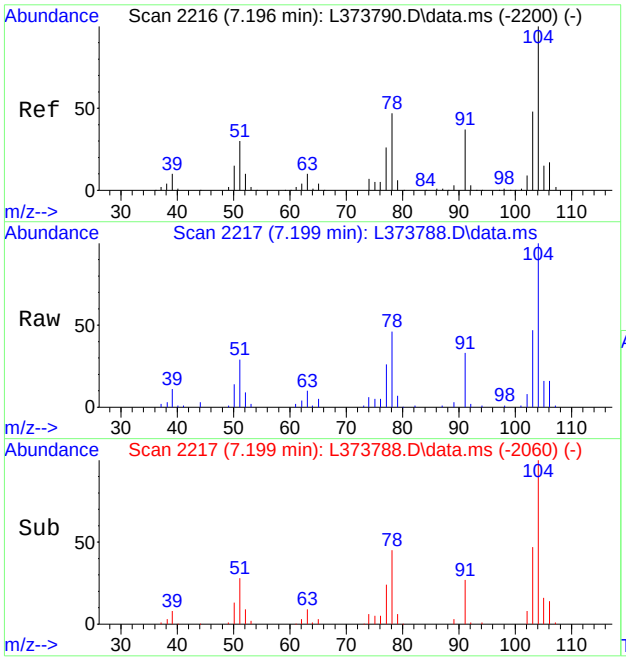


#90
butyl acrylate
Concen: 7.46 ug/L
RT: 7.128 min Scan# 2195
Delta R.T. 0.006 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 55 Resp: 52334

Ion	Ratio	Lower	Upper
55	100		
56	52.4	26.3	66.3
73	36.5	17.5	57.5
85	5.7	0.0	25.6

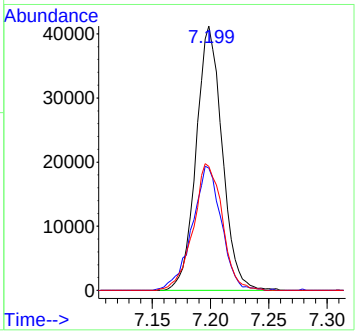


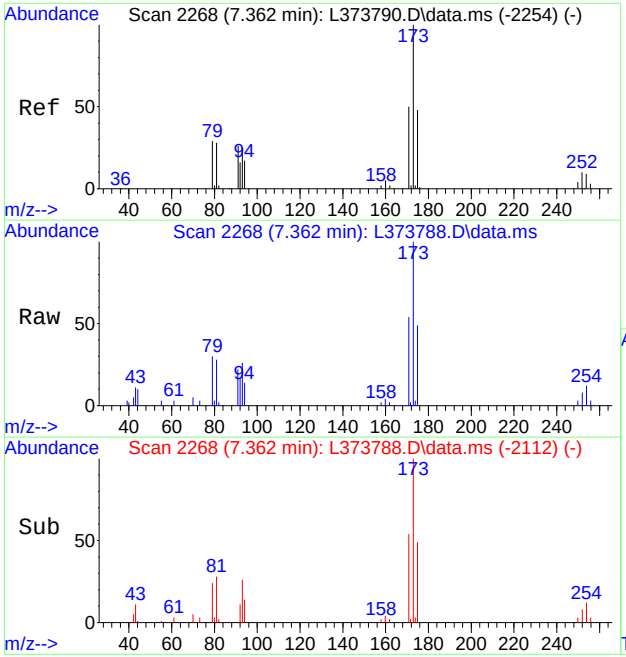


#91
styrene
Concen: 8.41 ug/L
RT: 7.199 min Scan# 2217
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion:104 Resp: 64266

Ion	Ratio	Lower	Upper
104	100		
78	46.2	16.8	76.8
103	46.8	17.7	77.7

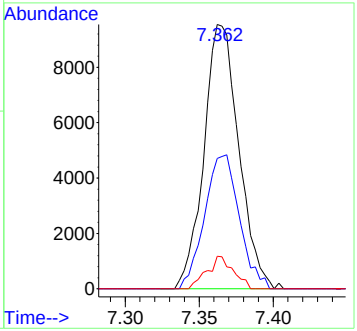


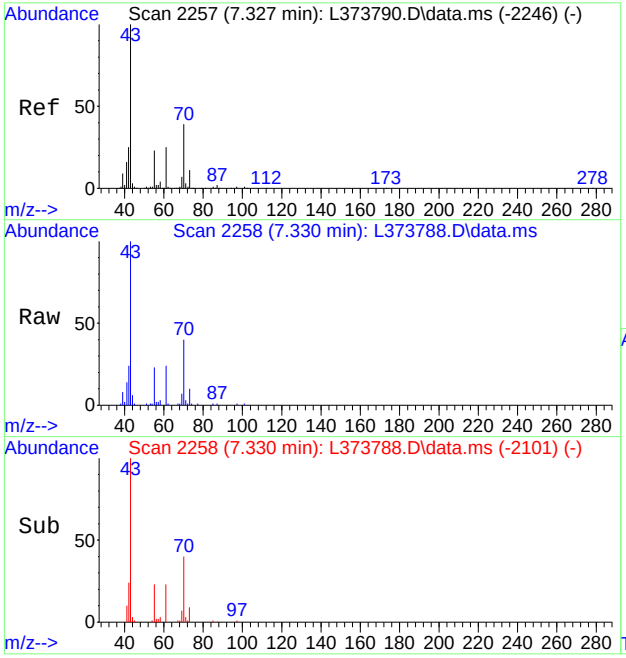


#92
bromoform
Concen: 7.74 ug/L
RT: 7.362 min Scan# 2268
Delta R.T. -0.000 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion:173 Resp: 15628

Ion	Ratio	Lower	Upper
173	100		
175	49.3	17.8	77.8
254	12.3	0.0	39.4

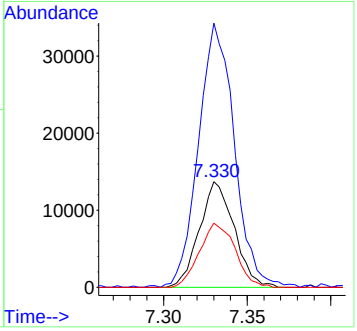


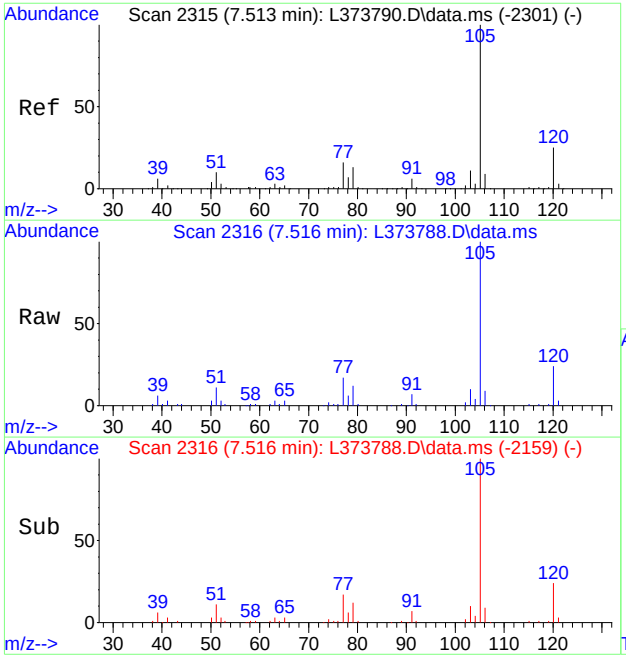


#93
n-amyl acetate
Concen: 7.56 ug/L
RT: 7.330 min Scan# 2258
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 70 Resp: 19888

Ion	Ratio	Lower	Upper
70	100		
43	249.9	233.4	273.4
61	60.8	42.6	82.6

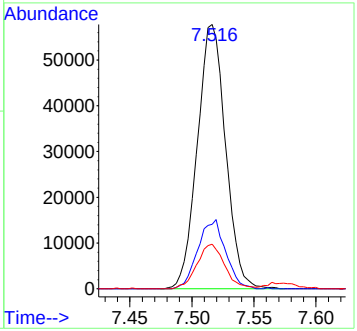


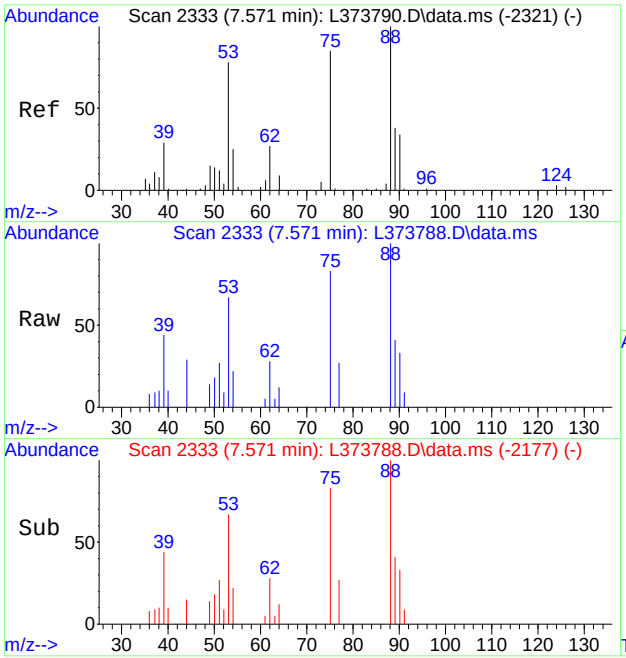


#94
isopropylbenzene
Concen: 8.34 ug/L
RT: 7.516 min Scan# 2316
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion:105 Resp: 91582

Ion	Ratio	Lower	Upper
105	100		
120	24.4	5.2	45.2
77	16.9	0.0	36.2

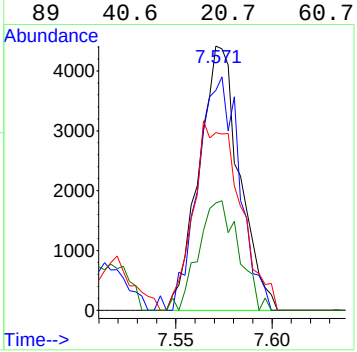


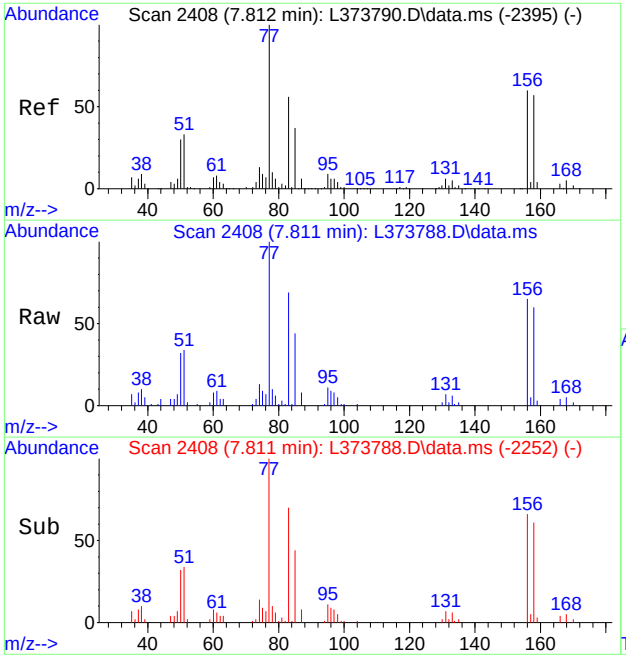


#95
cis-1,4-dichloro-2-butene
Concen: 7.50 ug/L
RT: 7.571 min Scan# 2333
Delta R.T. -0.000 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 88 Resp: 6494

Ion	Ratio	Lower	Upper
88	100		
75	83.3	66.5	106.5
53	67.2	59.7	99.7
89	40.6	20.7	60.7

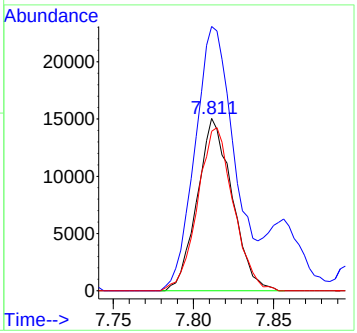


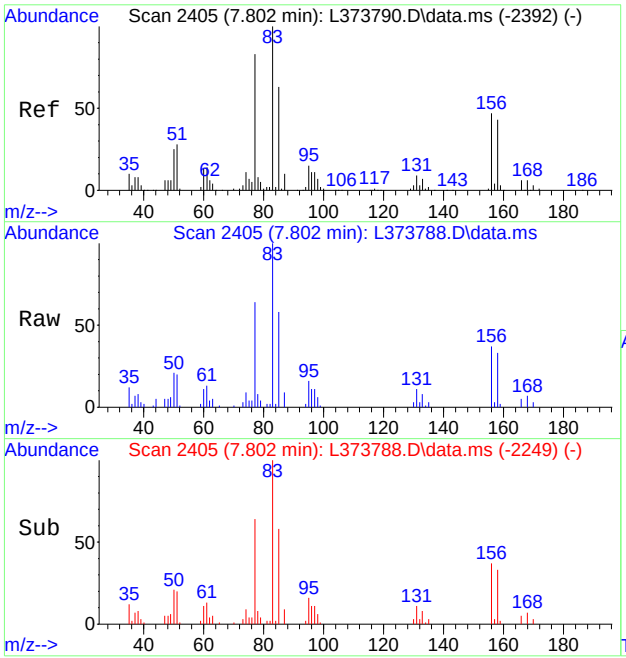


#98
bromobenzene
Concen: 8.34 ug/L
RT: 7.811 min Scan# 2408
Delta R.T. -0.000 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion:156 Resp: 22879

Ion	Ratio	Lower	Upper
156	100		
77	153.4	137.0	197.0
158	92.5	65.5	125.5

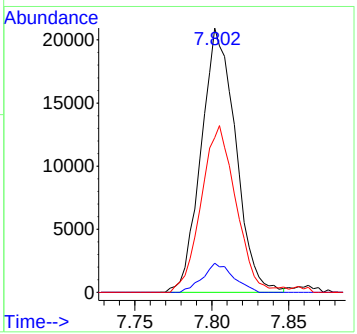


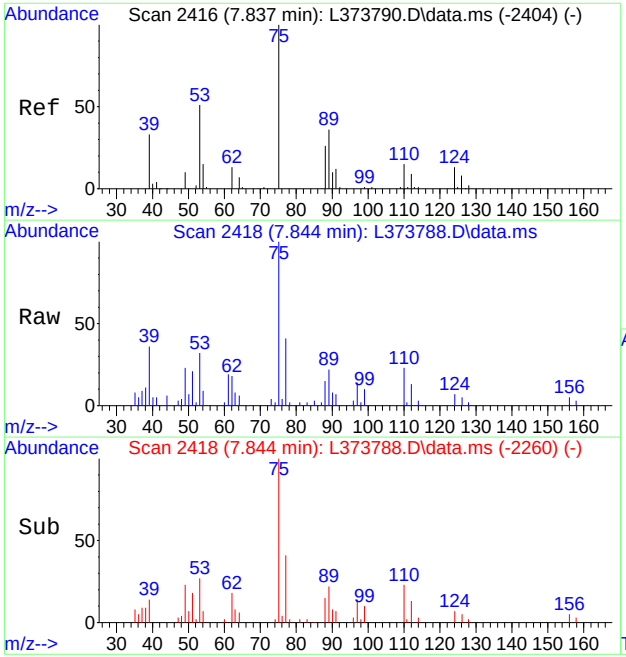


#99
1,1,2,2-tetrachloroethane
Concen: 7.64 ug/L
RT: 7.802 min Scan# 2405
Delta R.T. -0.000 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 83 Resp: 32675

Ion	Ratio	Lower	Upper
83	100		
131	11.1	0.0	38.9
85	58.5	33.3	93.3

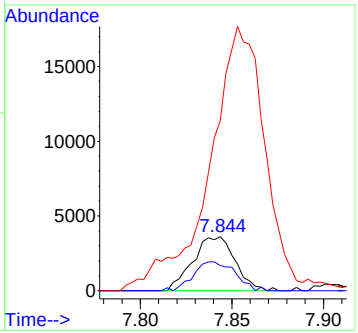


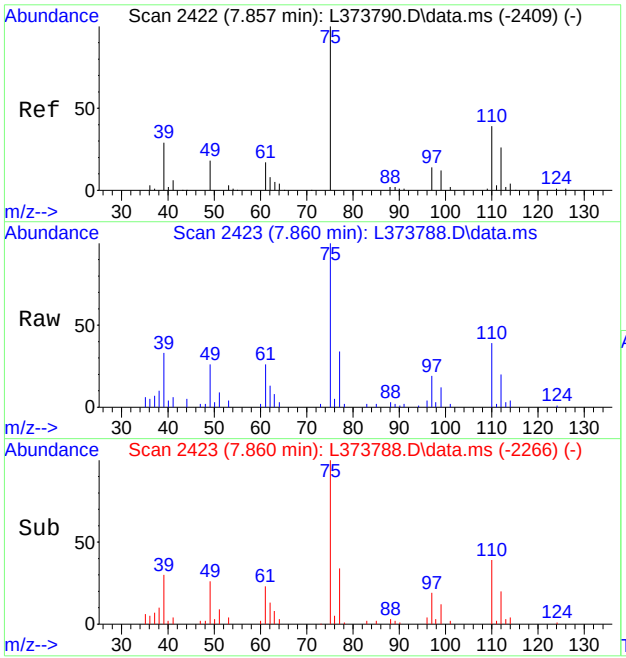


#100
trans-1,4-dichloro-2-butene
Concen: 7.52 ug/L
RT: 7.844 min Scan# 2418
Delta R.T. 0.006 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 53 Resp: 5822

Ion	Ratio	Lower	Upper
53	100		
88	46.9	21.0	81.0
75	260.1	165.8	225.8#

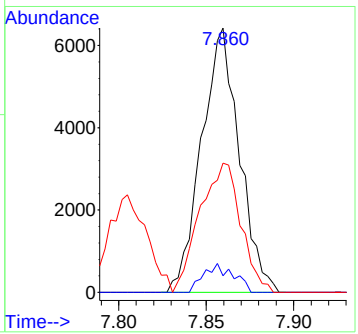


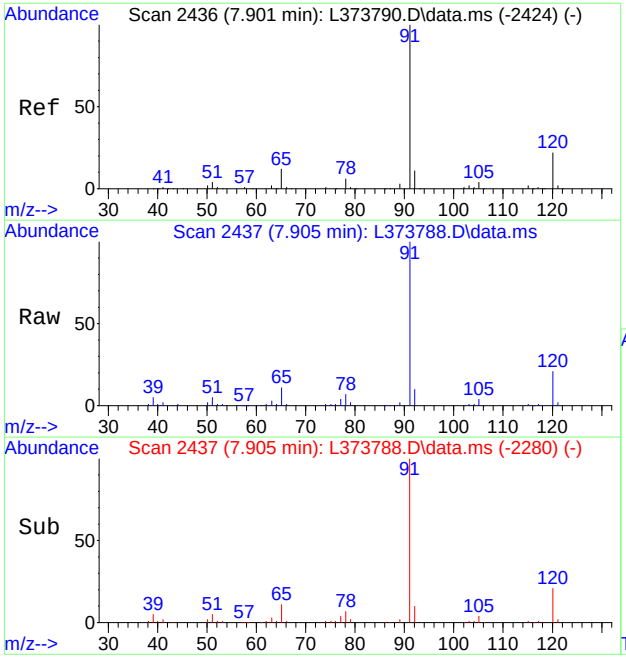


#101
1,2,3-trichloropropane
Concen: 7.47 ug/L
RT: 7.860 min Scan# 2423
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion:110 Resp: 9668

Ion	Ratio	Lower	Upper
110	100		
111	6.3	0.0	38.4
97	48.9	22.5	82.5

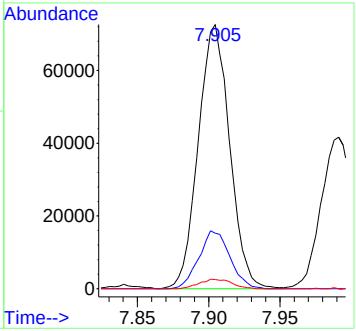


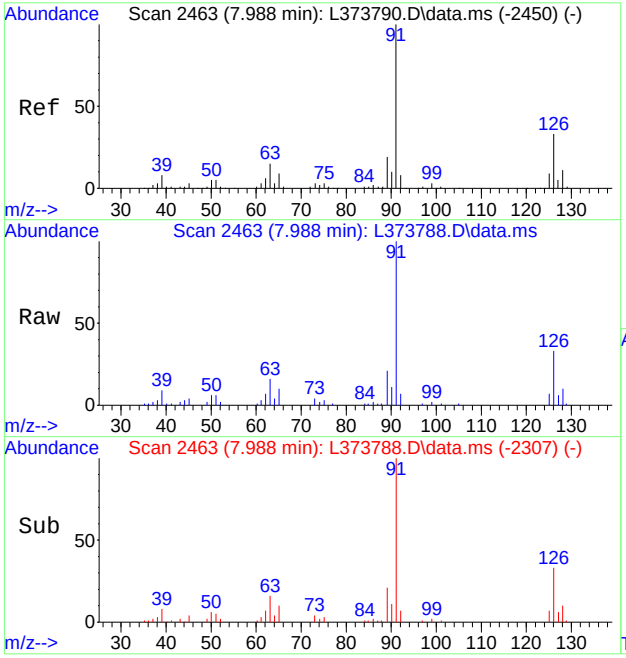


#102
n-propylbenzene
Concen: 8.52 ug/L
RT: 7.905 min Scan# 2437
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 91 Resp: 111277

Ion	Ratio	Lower	Upper
91	100		
120	21.0	0.0	51.5
105	3.5	0.0	33.7

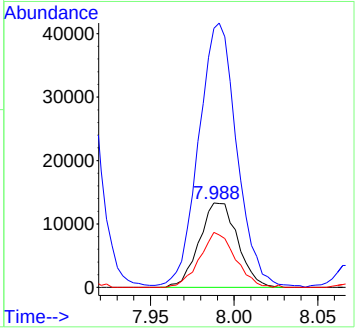


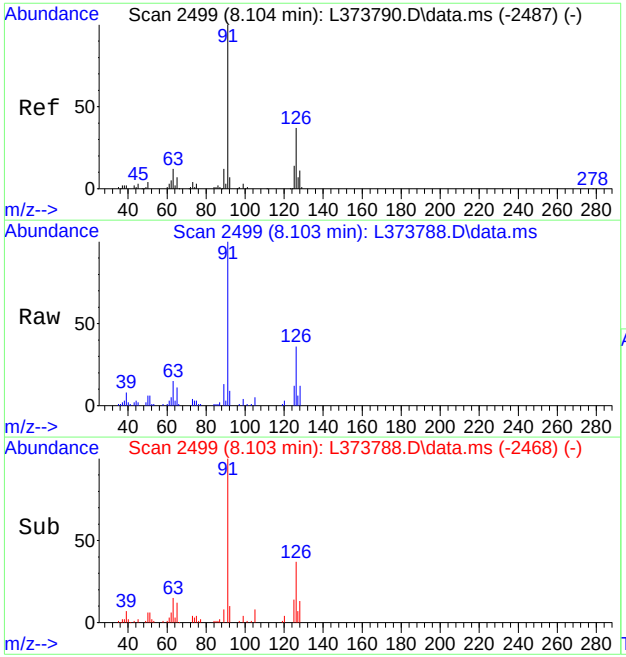


#103
2-chlorotoluene
Concen: 8.24 ug/L
RT: 7.988 min Scan# 2463
Delta R.T. -0.000 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion:126 Resp: 21198

Ion	Ratio	Lower	Upper
126	100		
91	304.2	276.4	336.4
89	65.2	28.8	88.8

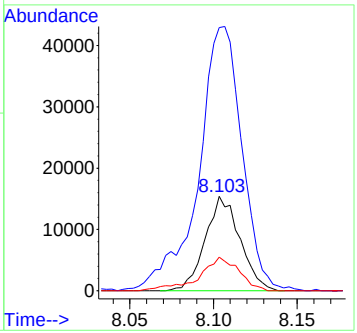


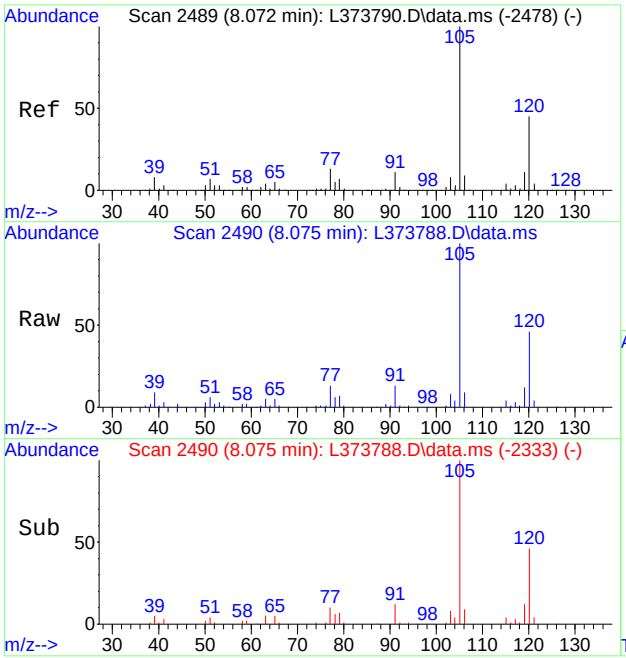


#104
4-chlorotoluene
Concen: 8.02 ug/L
RT: 8.103 min Scan# 2499
Delta R.T. -0.000 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion:126 Resp: 22201

Ion	Ratio	Lower	Upper
126	100		
91	275.0	265.5	325.5
89	35.7	5.5	65.5

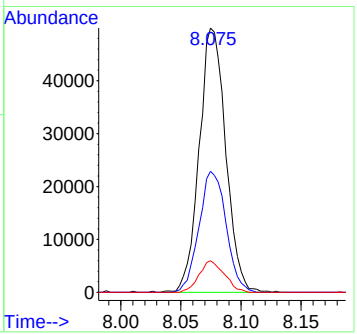


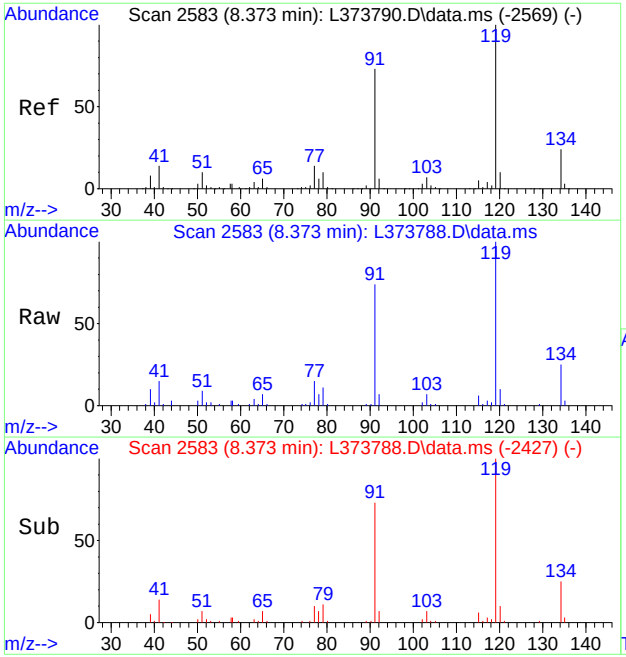


#105
1,3,5-trimethylbenzene
Concen: 8.42 ug/L
RT: 8.075 min Scan# 2490
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion:105 Resp: 76664

Ion	Ratio	Lower	Upper
105	100		
120	45.8	14.9	74.9
119	12.0	0.0	40.8

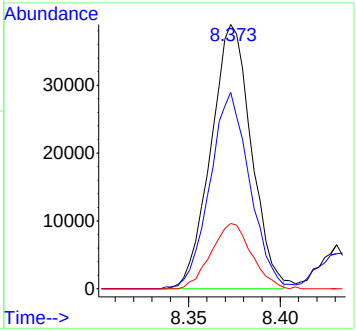


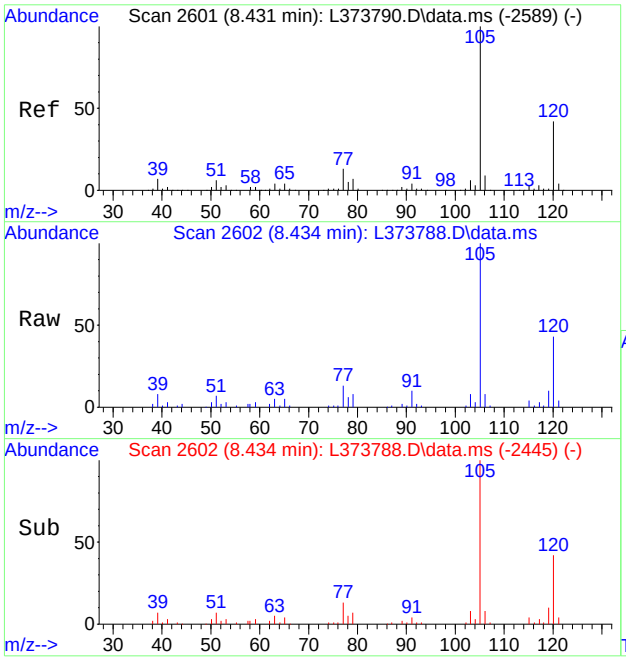


#106
tert-butylbenzene
Concen: 8.20 ug/L
RT: 8.373 min Scan# 2583
Delta R.T. -0.000 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion:119 Resp: 59786

Ion	Ratio	Lower	Upper
119	100		
91	74.3	42.9	102.9
134	24.7	0.0	54.4

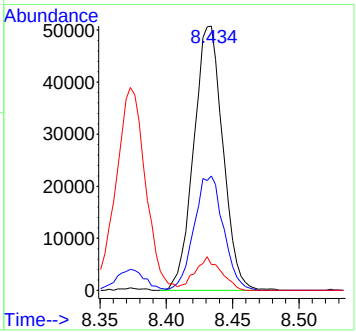


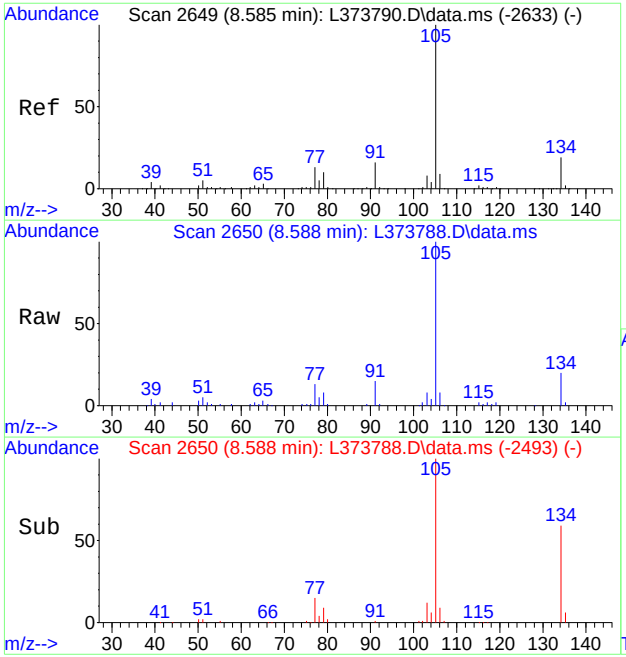


#107
1,2,4-trimethylbenzene
Concen: 8.49 ug/L
RT: 8.434 min Scan# 2602
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion:105 Resp: 77701

Ion	Ratio	Lower	Upper
105	100		
120	43.3	13.1	73.1
119	9.7	0.0	41.9

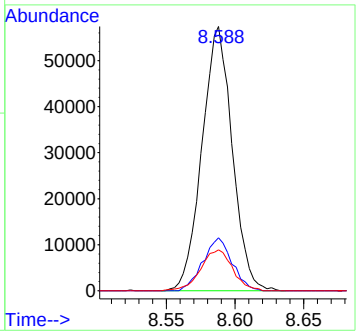


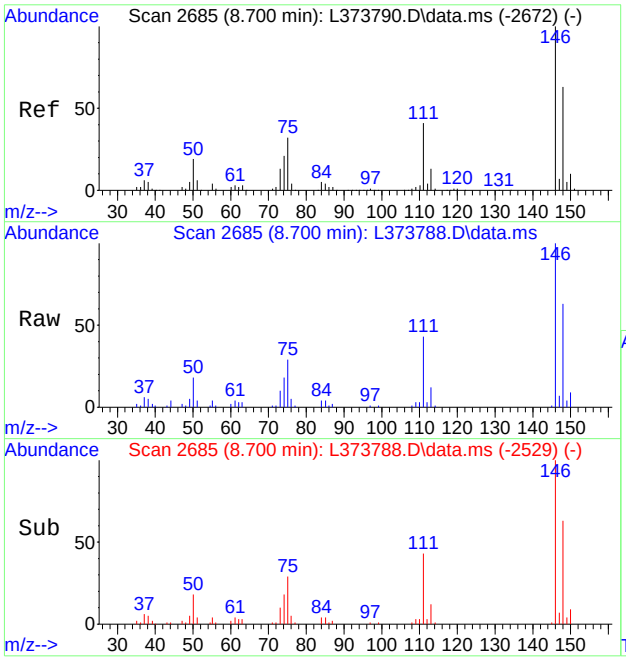


#108
sec-butylbenzene
Concen: 8.48 ug/L
RT: 8.588 min Scan# 2650
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion:105 Resp: 88104

Ion	Ratio	Lower	Upper
105	100		
134	20.0	0.0	48.8
91	15.5	0.0	45.9

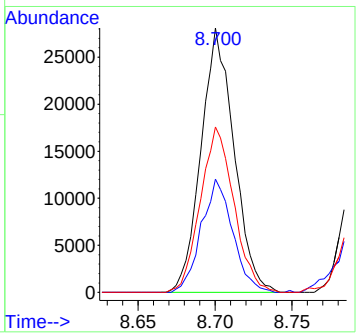


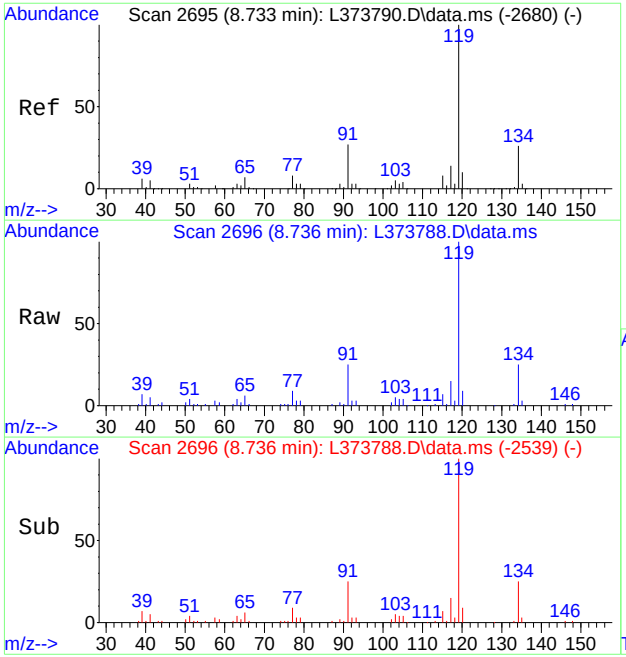


#109
1,3-dichlorobenzene
Concen: 8.18 ug/L
RT: 8.700 min Scan# 2685
Delta R.T. -0.000 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion:146 Resp: 41810

Ion	Ratio	Lower	Upper
146	100		
111	42.8	11.0	71.0
148	62.6	33.0	93.0

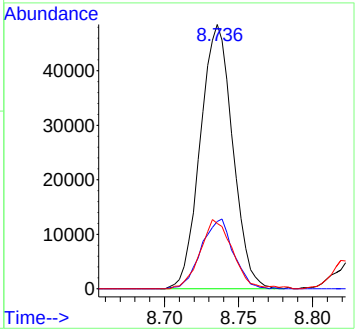


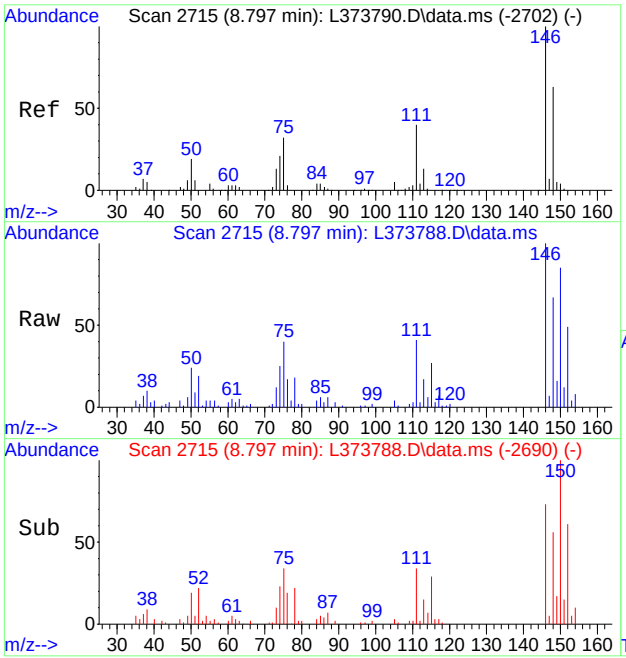


#110
p-isopropyltoluene
Concen: 8.58 ug/L
RT: 8.736 min Scan# 2696
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion:119 Resp: 73580

Ion	Ratio	Lower	Upper
119	100		
134	25.5	0.0	56.5
91	24.8	0.0	56.9

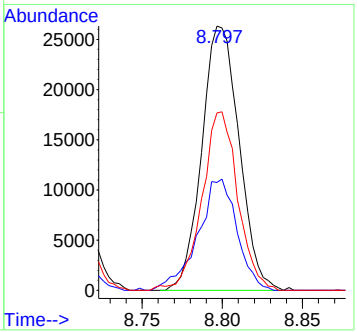


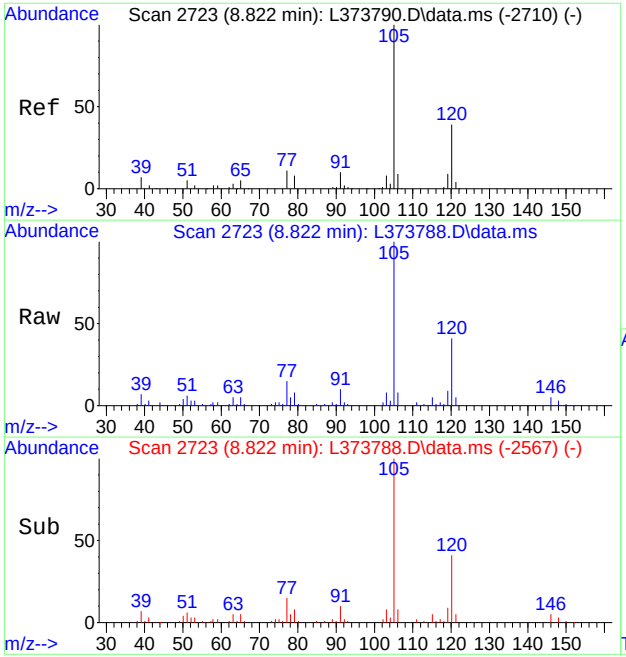


#111
1,4-dichlorobenzene
Concen: 8.00 ug/L
RT: 8.797 min Scan# 2715
Delta R.T. -0.000 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion:146 Resp: 42727

Ion	Ratio	Lower	Upper
146	100		
111	40.8	9.7	69.7
148	67.1	33.0	93.0

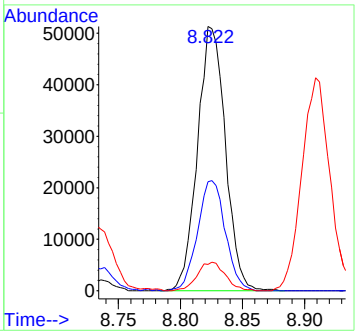


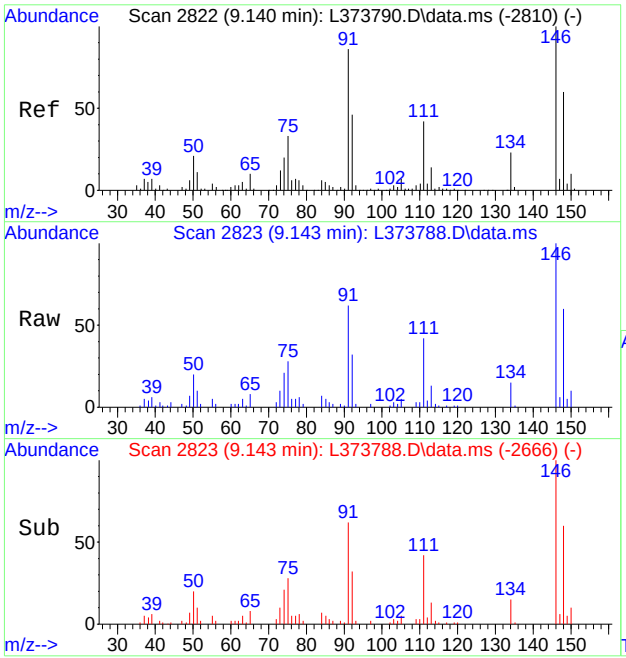


#112
1,2,3-trimethylbenzene
Concen: 8.11 ug/L
RT: 8.822 min Scan# 2723
Delta R.T. -0.000 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion:105 Resp: 80277

Ion	Ratio	Lower	Upper
105	100		
120	41.2	8.8	68.8
91	9.4	0.0	40.2

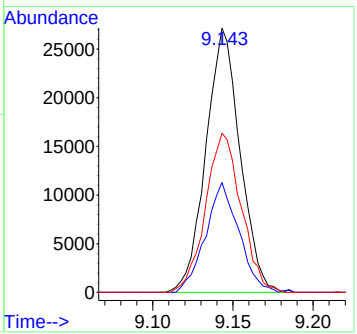


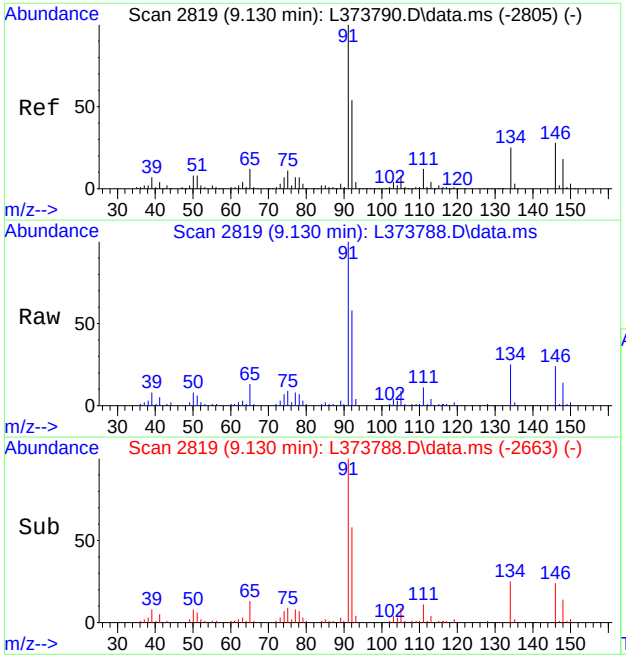


#113
1,2-dichlorobenzene
Concen: 8.20 ug/L
RT: 9.143 min Scan# 2823
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion:146 Resp: 40255

Ion	Ratio	Lower	Upper
146	100		
111	41.6	12.1	72.1
148	60.2	30.4	90.4

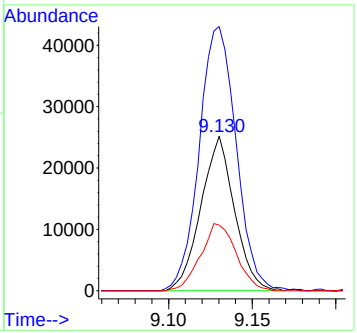


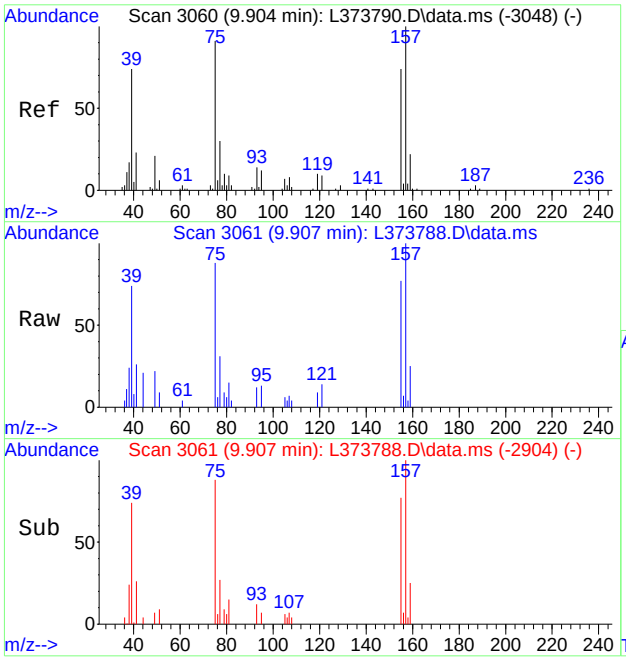


#114
n-butylbenzene
Concen: 8.29 ug/L
RT: 9.130 min Scan# 2819
Delta R.T. -0.000 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 92 Resp: 35156

Ion	Ratio	Lower	Upper
92	100		
91	171.0	155.4	215.4
134	42.3	15.6	75.6

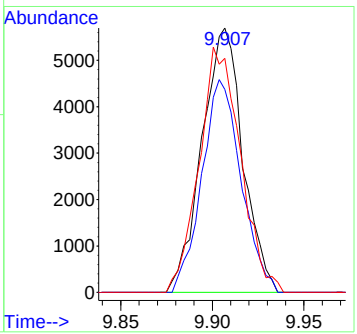


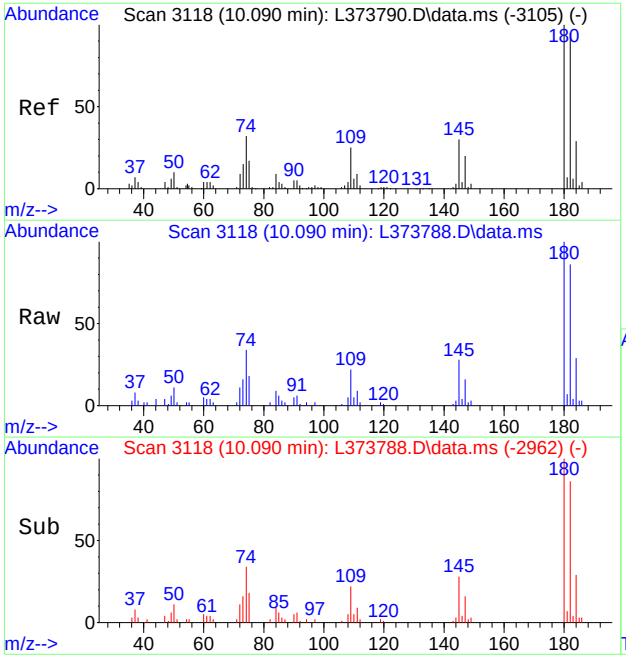


#115
1,2-dibromo-3-chloropropane
Concen: 7.84 ug/L
RT: 9.907 min Scan# 3061
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion:157 Resp: 8898

Ion	Ratio	Lower	Upper
157	100		
155	76.8	44.1	104.1
75	88.5	60.9	120.9

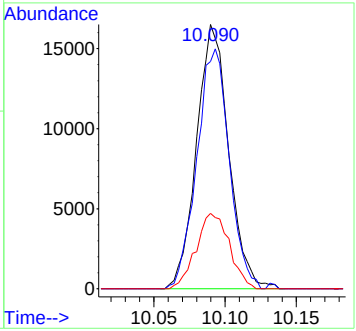


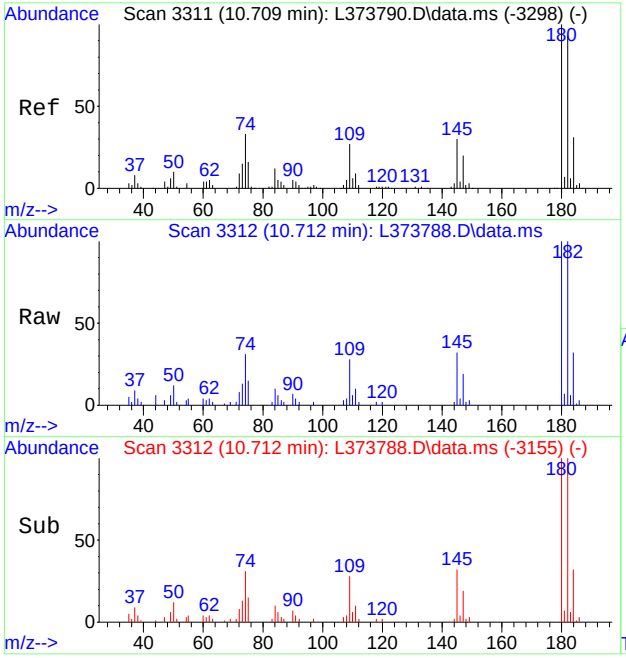


#116
1,3,5-trichlorobenzene
Concen: 8.48 ug/L
RT: 10.090 min Scan# 3118
Delta R.T. -0.000 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion:180 Resp: 25868

Ion	Ratio	Lower	Upper
180	100		
182	86.0	65.0	125.0
184	28.5	0.0	59.4

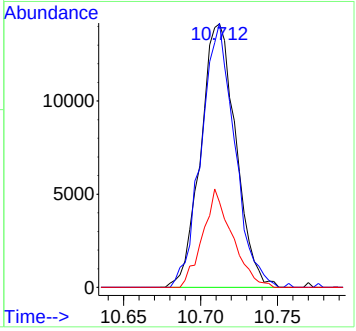


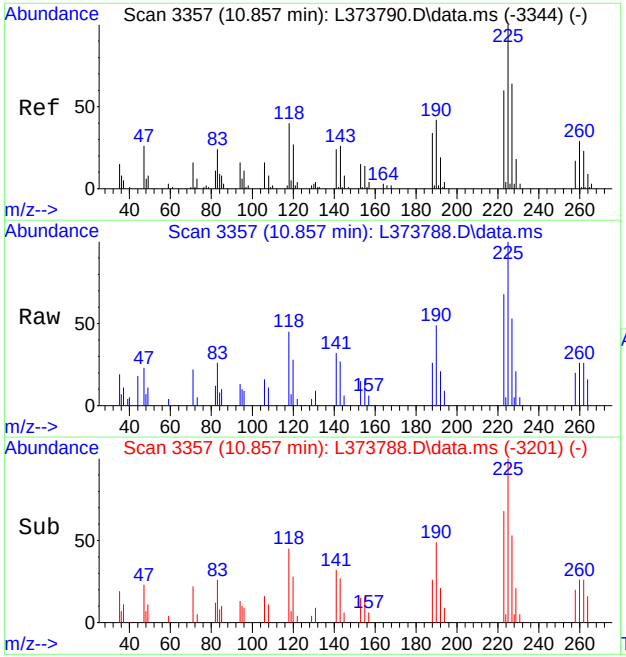


#117
1,2,4-trichlorobenzene
Concen: 8.28 ug/L
RT: 10.712 min Scan# 3312
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion:180 Resp: 22407

Ion	Ratio	Lower	Upper
180	100		
182	100.4	63.1	123.1
184	32.4	0.8	60.8

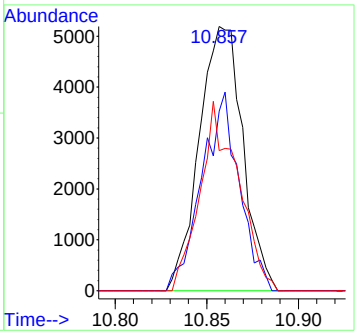


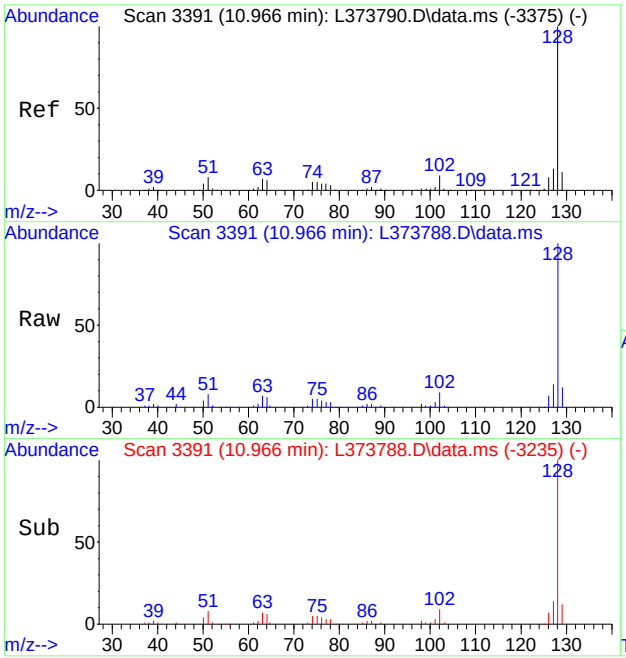


#118
hexachlorobutadiene
Concen: 8.48 ug/L
RT: 10.857 min Scan# 3357
Delta R.T. -0.000 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion:225 Resp: 8626

Ion	Ratio	Lower	Upper
225	100		
223	68.0	30.0	90.0
227	53.0	33.8	93.8

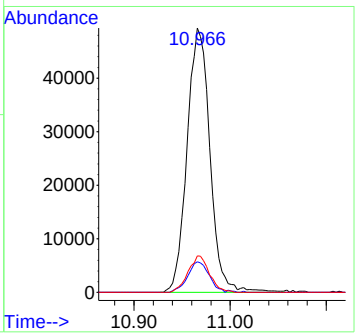


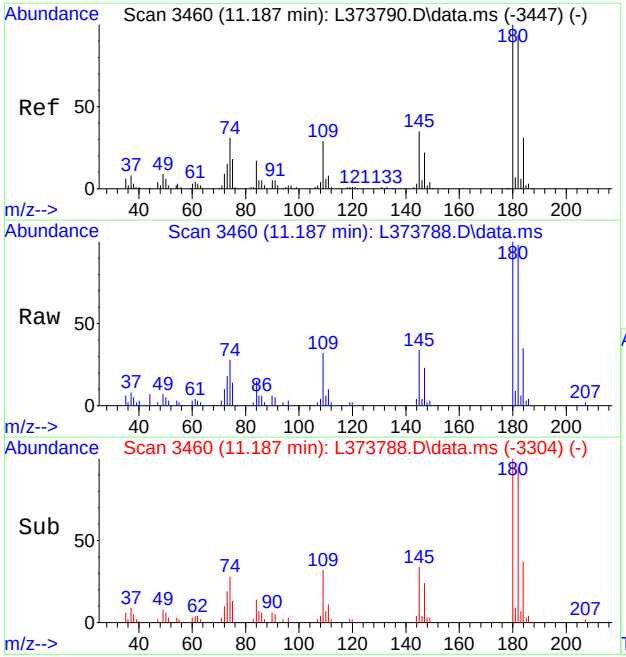


#119
naphthalene
Concen: 8.06 ug/L
RT: 10.966 min Scan# 3391
Delta R.T. -0.000 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion:128 Resp: 81798

Ion	Ratio	Lower	Upper
128	100		
129	11.6	0.0	41.1
127	13.8	0.0	42.9

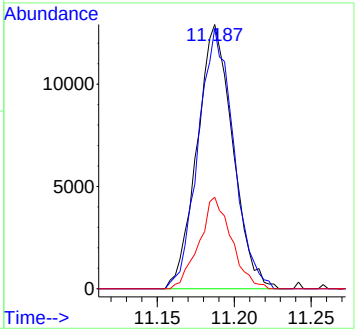


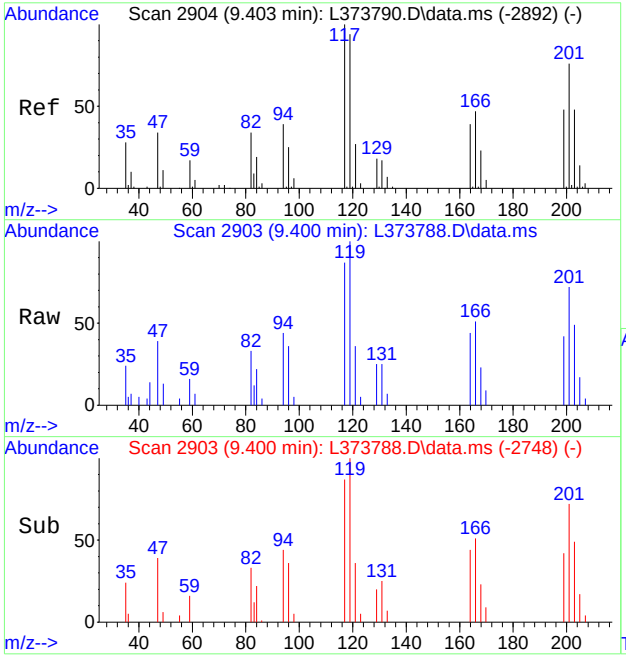


#120
1,2,3-trichlorobenzene
Concen: 7.94 ug/L
RT: 11.187 min Scan# 3460
Delta R.T. -0.000 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion:180 Resp: 20831

Ion	Ratio	Lower	Upper
180	100		
182	98.5	63.9	123.9
184	34.7	1.2	61.2

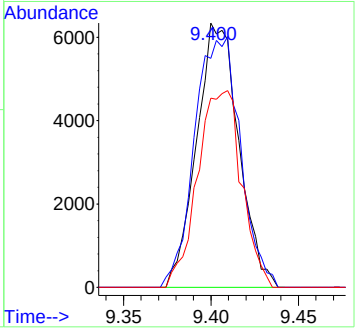


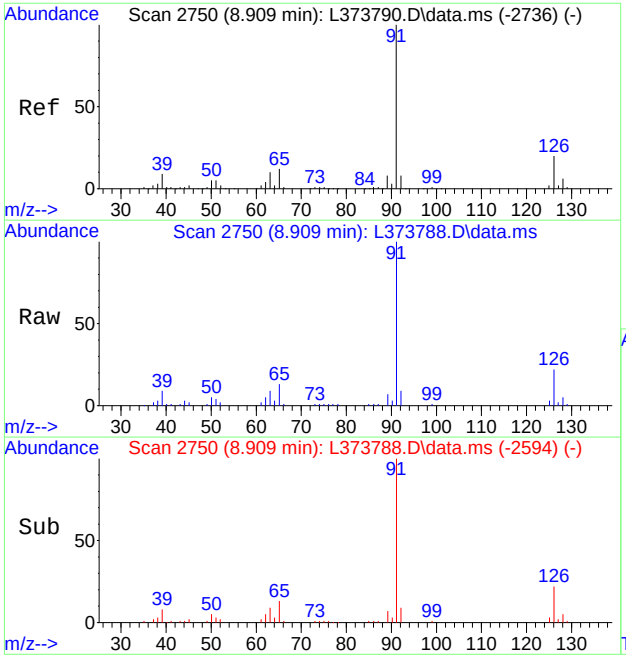


#121
hexachloroethane
Concen: 8.47 ug/L
RT: 9.400 min Scan# 2903
Delta R.T. -0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion:119 Resp: 10626

Ion	Ratio	Lower	Upper
119	100		
117	86.6	76.2	136.2
201	71.5	51.2	111.2

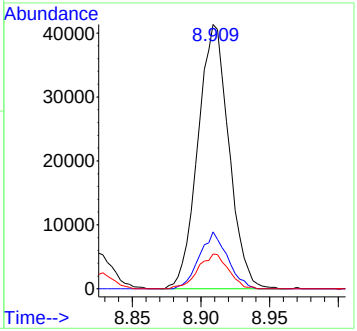


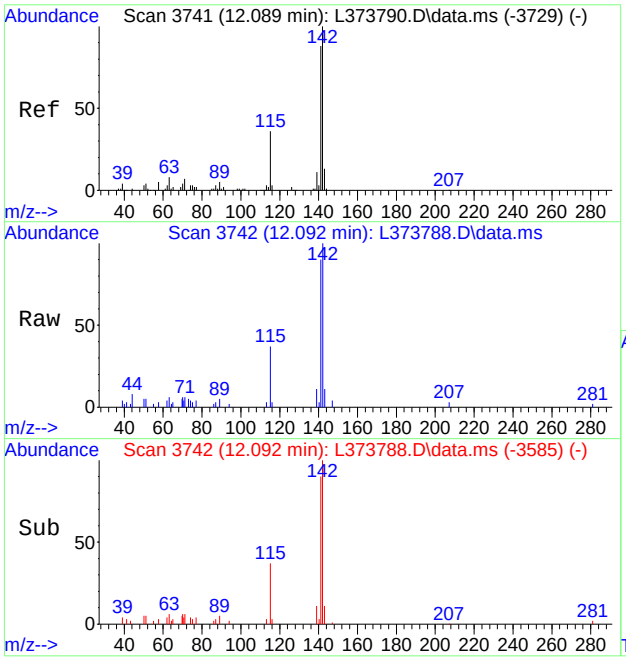


#122
benzyl chloride
Concen: 7.95 ug/L
RT: 8.909 min Scan# 2750
Delta R.T. -0.000 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion: 91 Resp: 64882

Ion	Ratio	Lower	Upper
91	100		
126	21.6	0.0	49.8
65	13.2	0.0	41.8

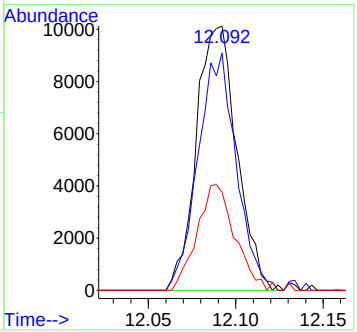




#123
2-methylnaphthalene
Concen: 4.12 ug/L
RT: 12.092 min Scan# 3742
Delta R.T. 0.003 min
Lab File: L373788.D
Acq: 16 Oct 2025 8:06 pm

Tgt Ion:142 Resp: 16324

Ion	Ratio	Lower	Upper
142	100		
141	89.8	68.0	108.0
115	37.1	15.9	55.9



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373789.D
Acq On : 16 Oct 2025 8:31 pm
Operator : BridgetK
Sample : ic11472-20
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 17 10:12:58 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 10:11:49 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	2.613	65	307050	500.00	ug/L	0.00
5) pentafluorobenzene	3.756	168	246402	50.00	ug/L	0.00
51) 1,4-difluorobenzene	4.292	114	426327	50.00	ug/L	0.00
72) chlorobenzene-d5	6.612	117	330123	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	8.774	152	159457	50.00	ug/L	0.00
124) pentafluorobenzene(a)	3.756	168	246402	50.00	ug/L	0.00
131) 1,4-dichlorobenzene-d4(a)	8.774	152	159457	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	3.756	113	130393	50.61	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.22%			
52) 1,2-dichloroethane-d4 (s)	3.993	65	159119	51.32	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 102.64%			
73) toluene-d8 (s)	5.395	98	480045	50.40	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.80%			
97) 4-bromofluorobenzene (s)	7.680	95	173027	50.83	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.66%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.712	88	36929	404.6087	ug/L	99
3) ethanol	2.090	45	130636	1425.9316	ug/L	98
4) tertiary butyl alcohol	2.665	59	80211	79.0833	ug/L	98
6) chlorodifluoromethane	1.368	51	67112	17.8521	ug/L	99
7) dichlorodifluoromethane	1.352	85	73991	20.5281	ug/L	99
8) chloromethane	1.487	50	66300	18.5077	ug/L	98
9) vinyl chloride	1.558	62	68155	19.5214	ug/L	100
10) 1,3-butadiene	1.580	54	61503	18.0438	ug/L	95
11) bromomethane	1.773	96	15901	18.3034	ug/L	98
12) chloroethane	1.843	64	27660	18.0296	ug/L	99
13) trichlorofluoromethane	2.000	101	87344	20.1998	ug/L	97
14) ethyl ether	2.167	74	28651	19.2975	ug/L	98
15) acrolein	2.257	56	12543	20.4525	ug/L	99
16) freon 113	2.324	151	35851	19.2713	ug/L	91
17) 1,1-dichloroethene	2.328	96	45415	19.5279	ug/L	97
18) acetone	2.341	58	33730	72.6917	ug/L	94
19) acetonitrile	2.520	40	66914	191.2442	ug/L	93
20) iodomethane	2.424	142	28126	21.5748	ug/L	94
21) iso-butyl alcohol	3.906	43	53257	161.7900	ug/L	92
22) carbon disulfide	2.479	76	136404	18.1759	ug/L	97
23) methylene chloride	2.629	84	52998	17.9077	ug/L	98
24) methyl acetate	2.530	74	13226	18.1696	ug/L	93
25) methyl tert butyl ether	2.783	73	150751	20.0470	ug/L	99
26) trans-1,2-dichloroethene	2.799	96	50322	18.9631	ug/L	98
27) hexane	2.966	57	63819	19.9879	ug/L	98
28) di-isopropyl ether	3.075	45	152089	19.1857	ug/L	93
29) ethyl tert-butyl ether	3.306	59	160340	19.8624	ug/L	97
30) 2-butanone	3.416	72	45168	80.9639	ug/L	92
31) 1,1-dichloroethane	3.072	63	94731	18.8870	ug/L	98
32) chloroprene	3.120	53	83524	20.0001	ug/L	99
33) acrylonitrile	2.767	53	26984	19.8438	ug/L	98
34) vinyl acetate	3.056	86	13096	20.4859	ug/L #	92
35) ethyl acetate	3.428	45	12193	16.9669	ug/L #	44
36) 2,2-dichloropropane	3.444	77	83615	18.3630	ug/L	98
37) cis-1,2-dichloroethene	3.438	96	54962	18.6913	ug/L	97
38) propionitrile	3.460	54	144130	181.0287	ug/L	89
39) methyl acrylate	3.470	85	11829	20.1603	ug/L	98
40) bromochloromethane	3.595	128	24848	18.9841	ug/L	92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373789.D
Acq On : 16 Oct 2025 8:31 pm
Operator : BridgetK
Sample : ic11472-20
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 17 10:12:58 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 10:11:49 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) tetrahydrofuran	3.608	72	13290	18.3636 ug/L	91
42) chloroform	3.653	83	97286	16.6587 ug/L	95
44) methacrylonitrile	3.560	67	31292	18.8188 ug/L	92
45) 1,1,1-trichloroethane	3.775	97	82854	18.8523 ug/L #	74
46) cyclohexane	3.826	84	70503	19.6946 ug/L	88
47) 1,1-dichloropropene	3.881	75	69823	20.1806 ug/L	94
48) carbon tetrachloride	3.884	117	66914	18.8887 ug/L	96
49) isopropyl acetate	4.009	87	14869	18.9748 ug/L	98
50) tert amyl alcohol	3.990	55	26801	80.6067 ug/L	97
53) tert-amyl methyl ether	4.089	73	155418	18.6811 ug/L	98
54) 2,2,4-trimethylpentane	4.083	57	117770	19.1077 ug/L	96
55) n-butyl alcohol	4.365	56	207548	800.8618 ug/L	99
56) benzene	4.019	78	200672	17.6791 ug/L	98
57) heptane	4.195	57	25632	19.7106 ug/L	95
58) 1,2-dichloroethane	4.044	62	75588	17.4086 ug/L	99
59) trichloroethene	4.474	95	52936	19.0066 ug/L	93
60) ethyl acrylate	4.503	55	87225	16.9162 ug/L	98
61) 2-nitropropane	5.010	41	26612	17.4888 ug/L	98
62) 2-chloroethyl vinyl ether	5.049	63	85690	89.0434 ug/L	94
63) methyl methacrylate	4.677	100	16789	17.9430 ug/L	95
64) 1,2-dichloropropane	4.664	63	51711	17.9539 ug/L	96
65) methylcyclohexane	4.651	83	73312	19.3975 ug/L	96
66) dibromomethane	4.728	93	35079	17.4359 ug/L	93
67) bromodichloromethane	4.850	83	73810	17.8846 ug/L	98
68) cis-1,3-dichloropropene	5.184	75	83484	18.2604 ug/L	98
69) epichlorohydrin	5.094	57	51786	86.2979 ug/L	96
70) 4-methyl-2-pentanone	5.283	58	124175	67.0877 ug/L	95
71) 3-methyl-1-butanol	5.318	70	77362	316.7601 ug/L	95
74) toluene	5.450	92	121936	17.5810 ug/L	98
75) trans-1,3-dichloropropene	5.626	75	77844	18.3785 ug/L	99
76) ethyl methacrylate	5.659	69	74572	16.7239 ug/L	95
77) 1,1,2-trichloroethane	5.790	83	41453	18.1493 ug/L	94
78) 2-hexanone	5.960	58	136314	67.5704 ug/L	97
79) tetrachloroethene	5.874	166	50730	18.4269 ug/L	96
80) 1,3-dichloropropane	5.928	76	80323	18.3456 ug/L	96
81) butyl acetate	6.050	56	44153	16.5899 ug/L	98
82) dibromochloromethane	6.111	129	52067	17.5648 ug/L	95
83) 1,2-dibromoethane	6.217	107	49746	18.0097 ug/L	98
84) n-butyl ether	6.711	57	207653	17.6657 ug/L	99
85) chlorobenzene	6.637	112	128022	17.4201 ug/L	97
86) 1,1,1,2-tetrachloroethane	6.711	131	45017	18.8055 ug/L	97
87) ethylbenzene	6.721	91	228625	18.0297 ug/L	100
88) m,p-xylene	6.836	106	174844	35.5076 ug/L	96
89) o-xylene	7.183	106	84223	17.4257 ug/L	92
90) butyl acrylate	7.128	55	116919	16.1988 ug/L	100
91) styrene	7.196	104	142796	17.8110 ug/L	99
92) bromoform	7.366	173	35376	16.9221 ug/L	94
93) n-amyl acetate	7.330	70	43756	16.1337 ug/L	95
94) isopropylbenzene	7.516	105	205847	17.8830 ug/L	98
95) cis-1,4-dichloro-2-butene	7.574	88	16424	18.5212 ug/L	96
98) bromobenzene	7.815	156	51252	17.6553 ug/L	95
99) 1,1,2,2-tetrachloroethane	7.805	83	73473	16.4743 ug/L	98
100) trans-1,4-dichloro-2-b...	7.844	53	14539	18.1306 ug/L #	79
101) 1,2,3-trichloropropane	7.860	110	22027	16.4132 ug/L	95
102) n-propylbenzene	7.905	91	249406	17.9789 ug/L	99
103) 2-chlorotoluene	7.991	126	48157	17.7223 ug/L	95
104) 4-chlorotoluene	8.104	126	49762	17.1032 ug/L	91
105) 1,3,5-trimethylbenzene	8.075	105	173904	18.0171 ug/L	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373789.D
Acq On : 16 Oct 2025 8:31 pm
Operator : BridgetK
Sample : ic11472-20
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 17 10:12:58 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 10:11:49 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
106) tert-butylbenzene	8.373	119	134422	17.4596	ug/L	99
107) 1,2,4-trimethylbenzene	8.431	105	176377	18.1530	ug/L	99
108) sec-butylbenzene	8.588	105	197633	17.9104	ug/L	98
109) 1,3-dichlorobenzene	8.704	146	94511	17.5319	ug/L	98
110) p-isopropyltoluene	8.736	119	163551	17.9301	ug/L	97
111) 1,4-dichlorobenzene	8.800	146	94631	16.8573	ug/L	98
112) 1,2,3-trimethylbenzene	8.826	105	180890	17.3462	ug/L	97
113) 1,2-dichlorobenzene	9.143	146	90404	17.4438	ug/L	96
114) n-butylbenzene	9.131	92	82993	18.5040	ug/L	97
115) 1,2-dibromo-3-chloropr...	9.907	157	20199	16.9799	ug/L	96
116) 1,3,5-trichlorobenzene	10.090	180	60295	18.6181	ug/L	94
117) 1,2,4-trichlorobenzene	10.709	180	50969	17.8088	ug/L	97
118) hexachlorobutadiene	10.860	225	19283	17.8593	ug/L	98
119) naphthalene	10.966	128	189801	17.7641	ug/L	98
120) 1,2,3-trichlorobenzene	11.191	180	48260	17.5195	ug/L	96
121) hexachloroethane	9.403	119	24441	18.3620	ug/L	96
122) benzyl chloride	8.906	91	147801	17.2395	ug/L	98
123) 2-methylnaphthalene	12.092	142	35982	8.5934	ug/L	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

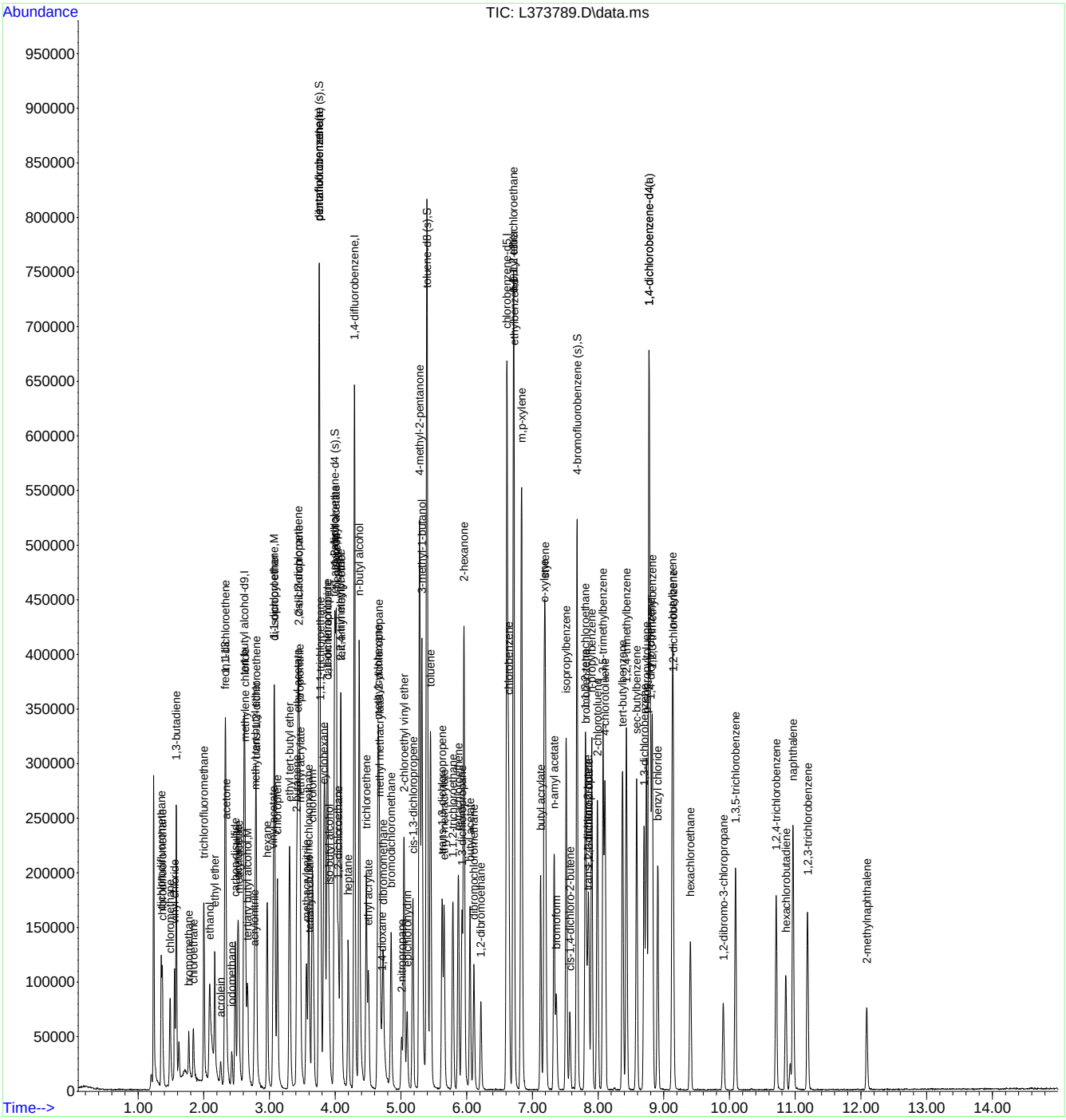
7.6.7

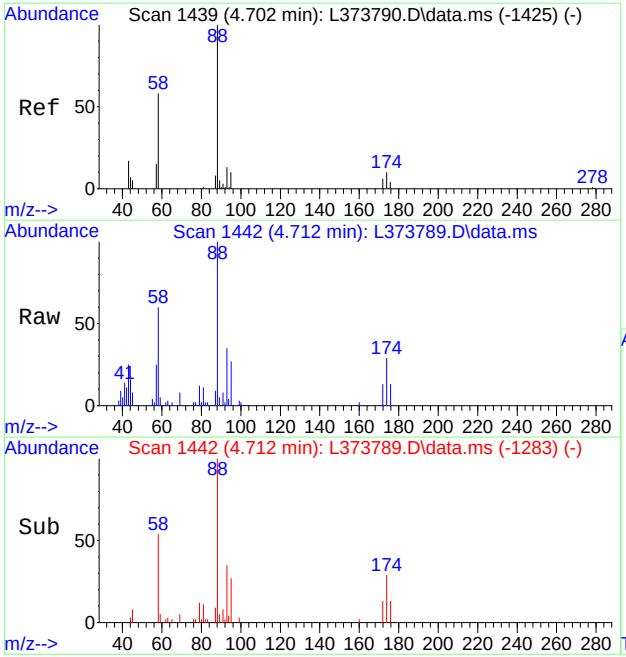
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373789.D
Acq On : 16 Oct 2025 8:31 pm
Operator : BridgetK
Sample : ic11472-20
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 17 10:12:58 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 10:11:49 2025
Response via : Initial Calibration

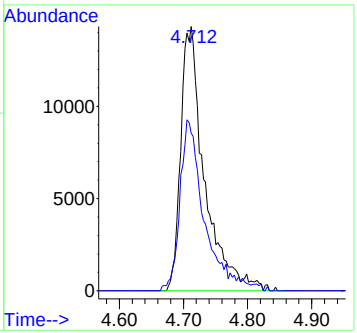


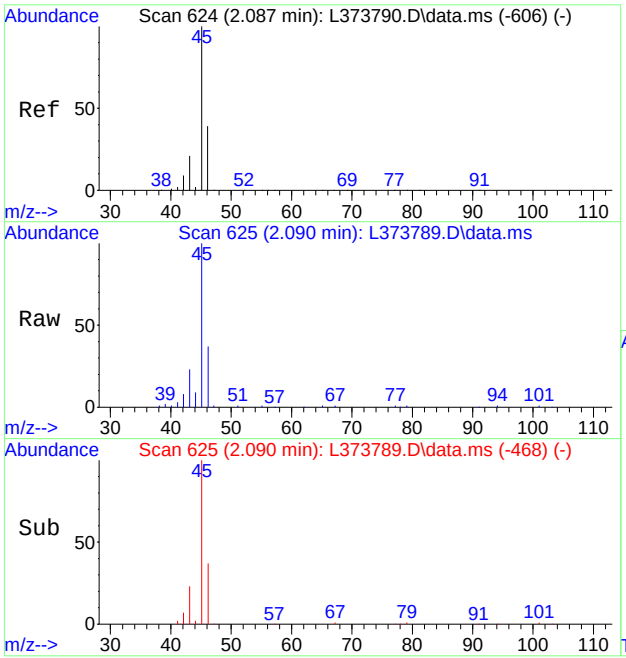


#2
1,4-dioxane
Concen: 404.61 ug/L
RT: 4.712 min Scan# 1442
Delta R.T. 0.010 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 88 Resp: 36929

Ion	Ratio	Lower	Upper
88	100		
58	59.6	29.1	89.1

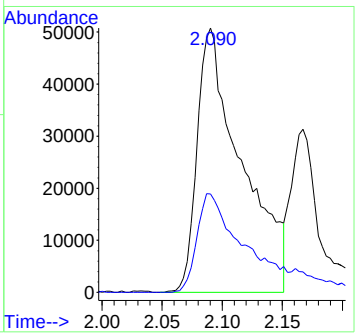


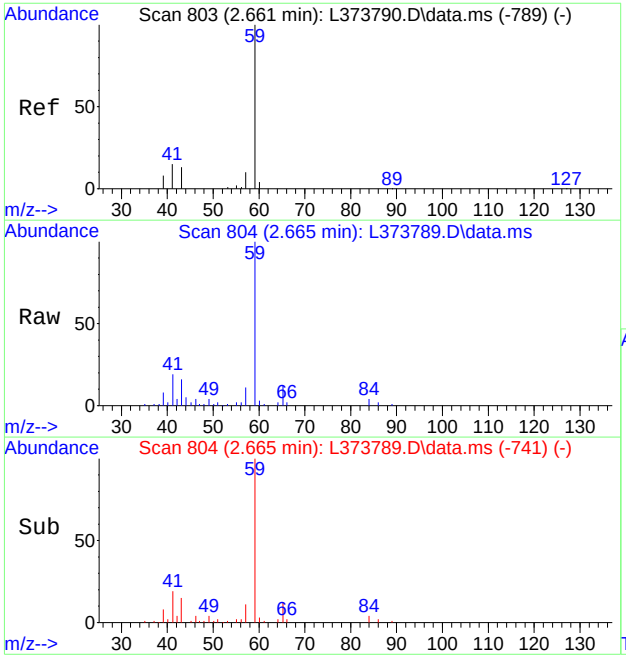


#3
ethanol
Concen: 1425.93 ug/L
RT: 2.090 min Scan# 625
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 45 Resp: 130636

Ion	Ratio	Lower	Upper
45	100		
46	37.2	18.6	58.6

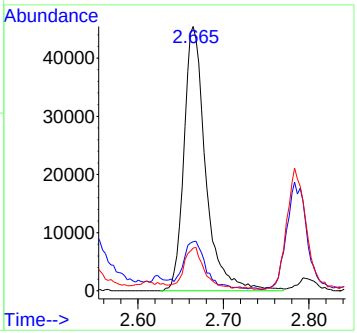


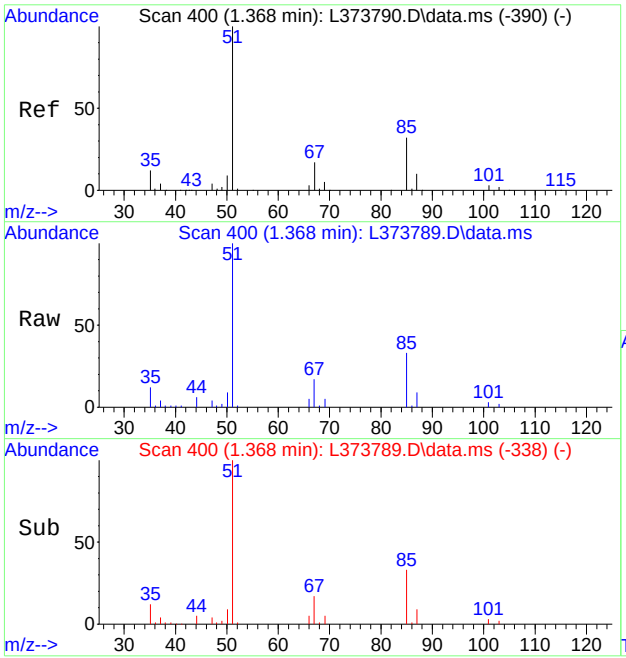


#4
tertiary butyl alcohol
Concen: 79.08 ug/L
RT: 2.665 min Scan# 804
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 59 Resp: 80211

Ion	Ratio	Lower	Upper
59	100		
41	13.8	0.0	45.3
43	13.7	0.0	43.5

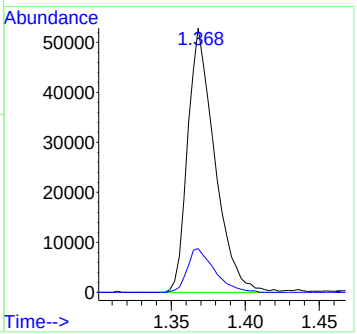


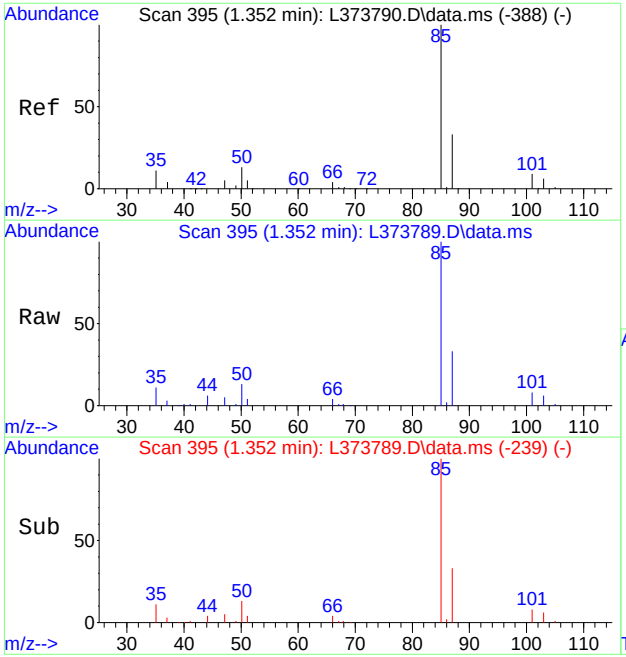


#6
chlorodifluoromethane
Concen: 17.85 ug/L
RT: 1.368 min Scan# 400
Delta R.T. 0.000 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 51 Resp: 67112

Ion	Ratio	Lower	Upper
51	100		
67	16.5	0.0	37.0

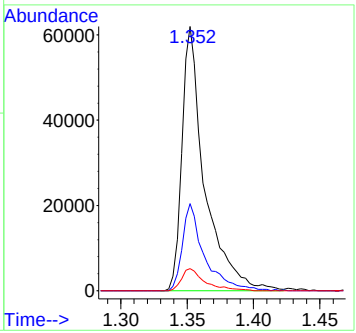


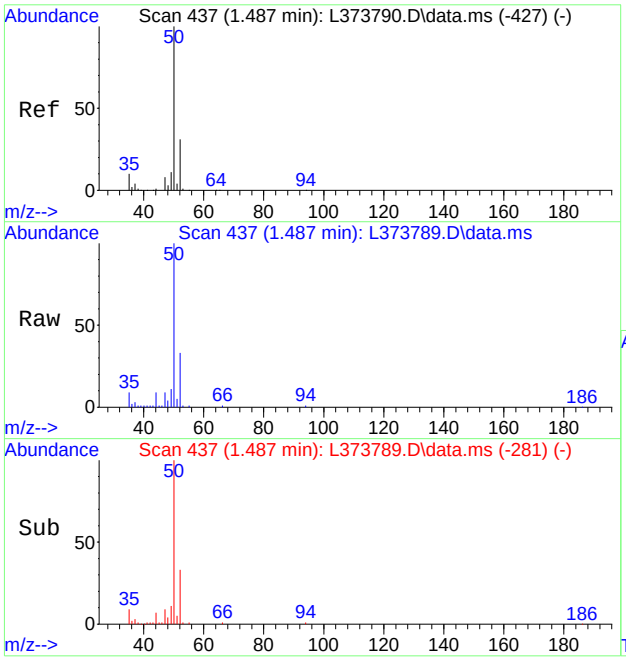


#7
dichlorodifluoromethane
Concen: 20.53 ug/L
RT: 1.352 min Scan# 395
Delta R.T. 0.000 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 85 Resp: 73991

Ion	Ratio	Lower	Upper
85	100		
87	33.0	2.8	62.8
101	8.4	0.0	38.9

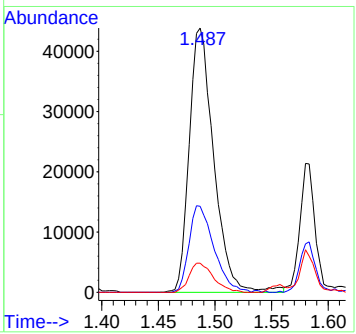


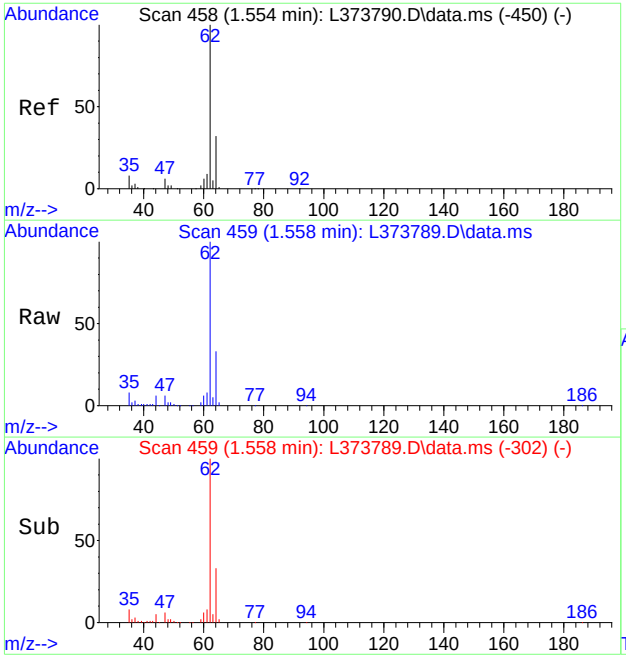


#8
chloromethane
Concen: 18.51 ug/L
RT: 1.487 min Scan# 437
Delta R.T. 0.000 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 50 Resp: 66300

Ion	Ratio	Lower	Upper
50	100		
52	32.6	1.5	61.5
49	11.0	0.0	41.1

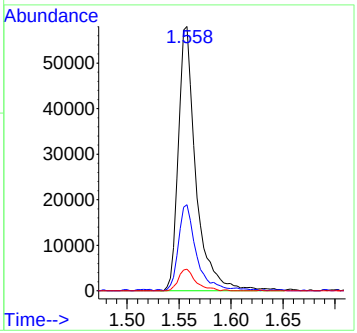


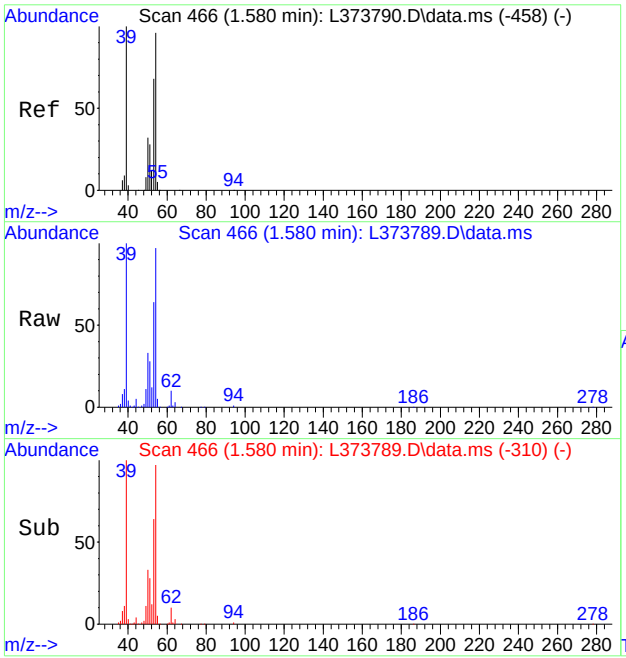


#9
vinyl chloride
Concen: 19.52 ug/L
RT: 1.558 min Scan# 459
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 62 Resp: 68155

Ion	Ratio	Lower	Upper
62	100		
64	32.2	2.2	62.2
61	8.2	0.0	38.5

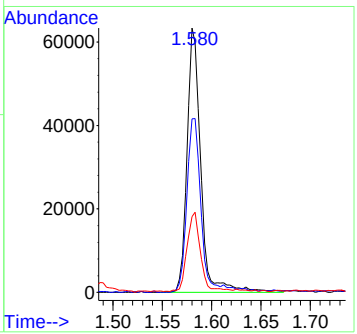


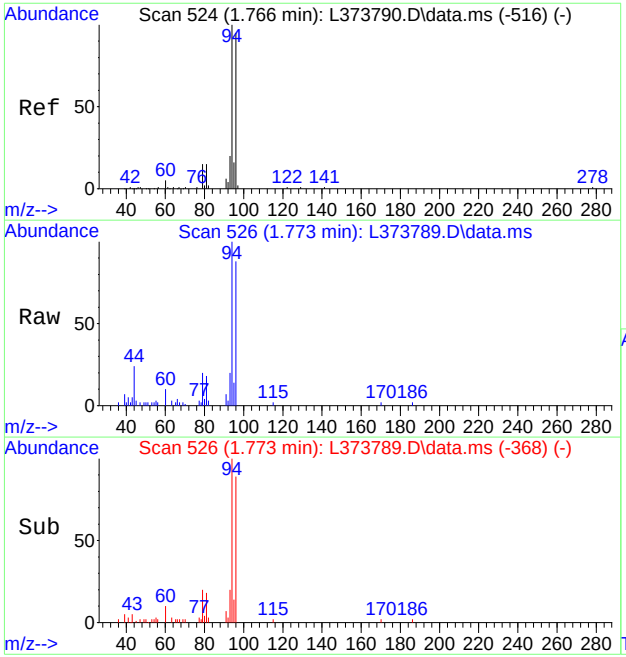


#10
1,3-butadiene
Concen: 18.04 ug/L
RT: 1.580 min Scan# 466
Delta R.T. 0.000 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 54 Resp: 61503

Ion	Ratio	Lower	Upper
54	100		
53	65.7	40.7	100.7
51	28.1	0.0	59.5

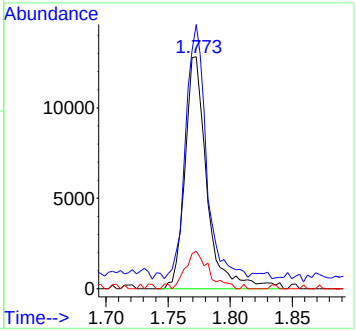


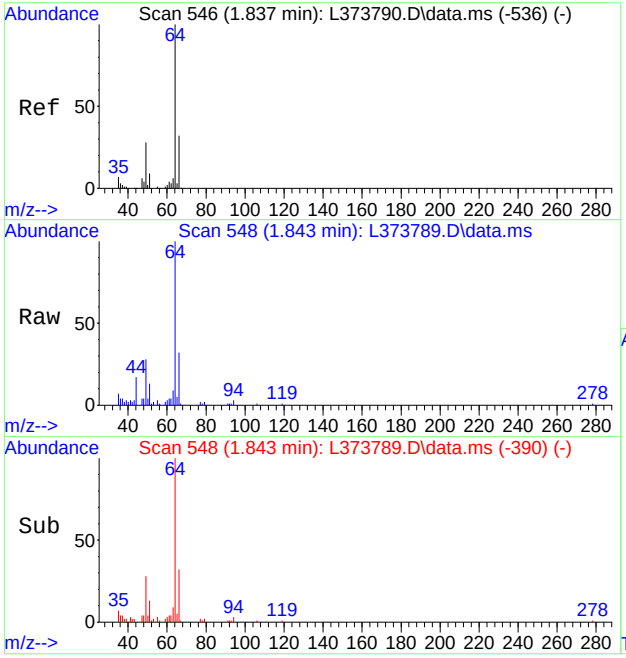


#11
bromomethane
Concen: 18.30 ug/L
RT: 1.773 min Scan# 526
Delta R.T. 0.007 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 96 Resp: 15901

Ion	Ratio	Lower	Upper
96	100		
94	109.1	76.7	136.7
95	16.2	0.0	46.3

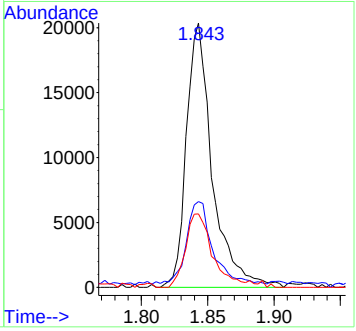


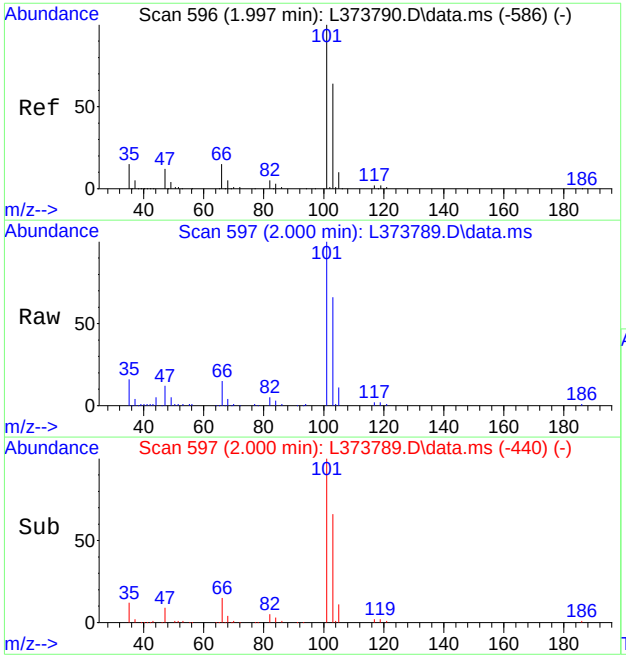


#12
chloroethane
Concen: 18.03 ug/L
RT: 1.843 min Scan# 548
Delta R.T. 0.007 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 64 Resp: 27660

Ion	Ratio	Lower	Upper
64	100		
66	30.9	1.8	61.8
49	27.7	0.0	57.7

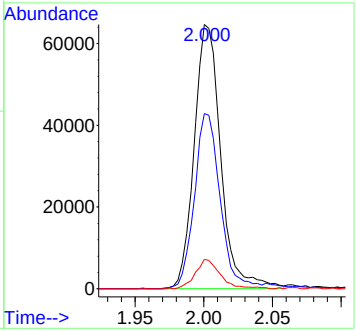


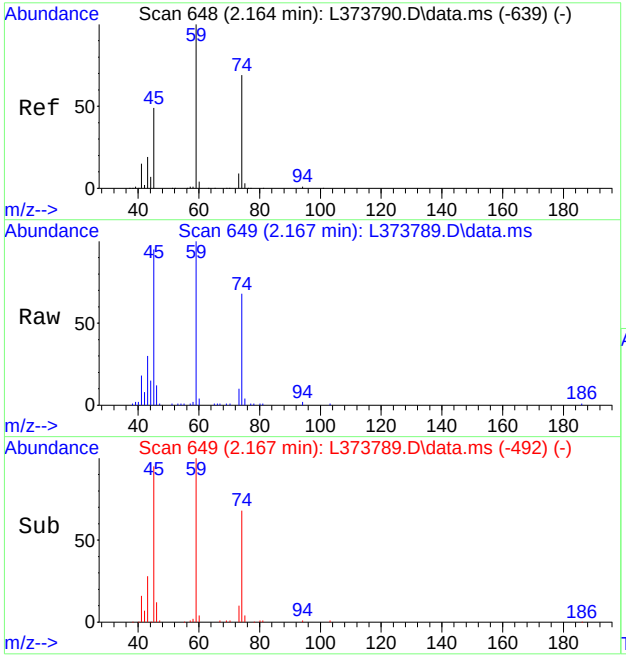


#13
trichlorofluoromethane
Concen: 20.20 ug/L
RT: 2.000 min Scan# 597
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion:101 Resp: 87344

Ion	Ratio	Lower	Upper
101	100		
103	66.3	33.8	93.8
105	11.1	0.0	40.0

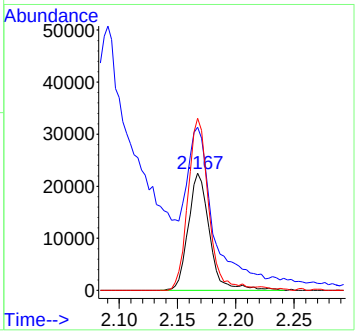


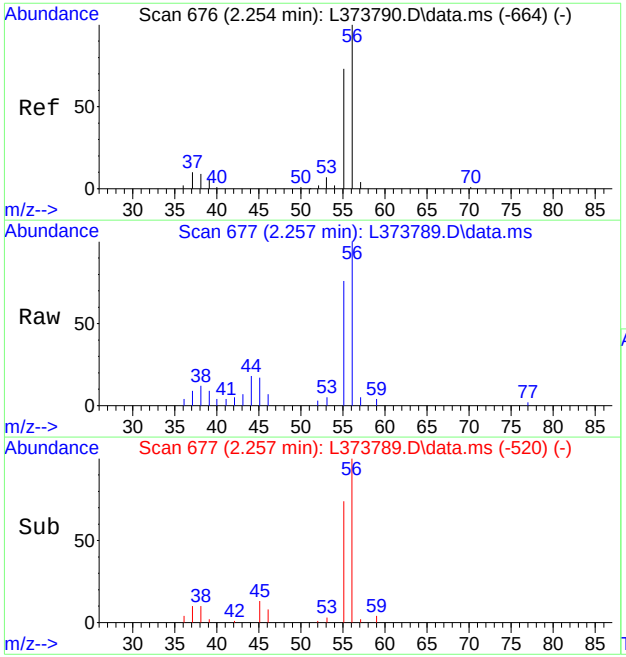


#14
ethyl ether
Concen: 19.30 ug/L
RT: 2.167 min Scan# 649
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 74 Resp: 28651

Ion	Ratio	Lower	Upper
74	100		
45	128.8	102.0	162.0
59	147.0	114.2	174.2

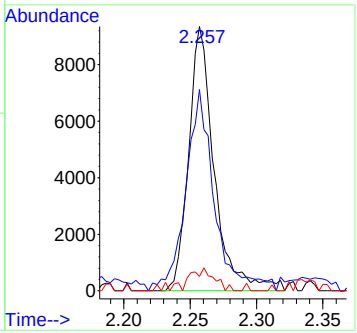


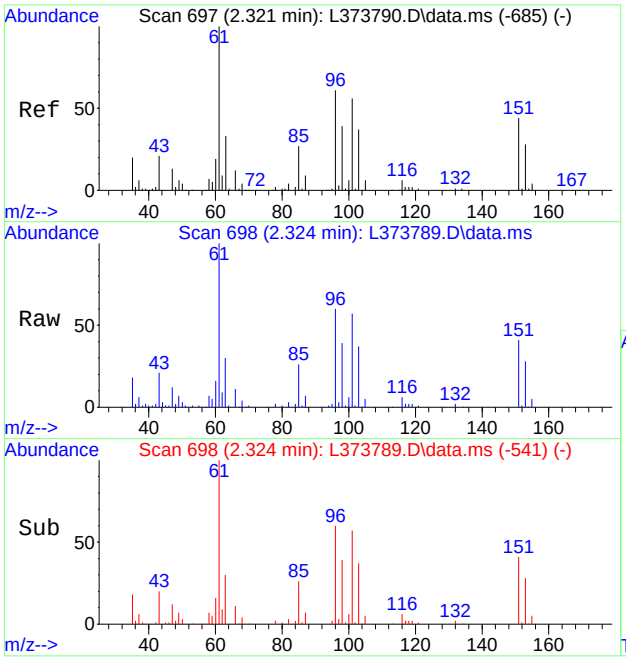


#15
acrolein
Concen: 20.45 ug/L
RT: 2.257 min Scan# 677
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 56 Resp: 12543

Ion	Ratio	Lower	Upper
56	100		
55	72.8	42.9	102.9
53	5.4	0.0	38.0

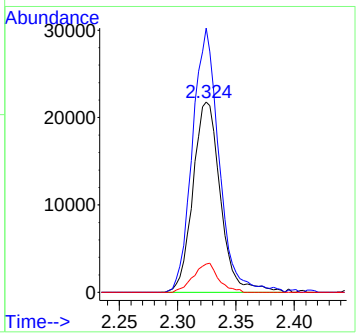


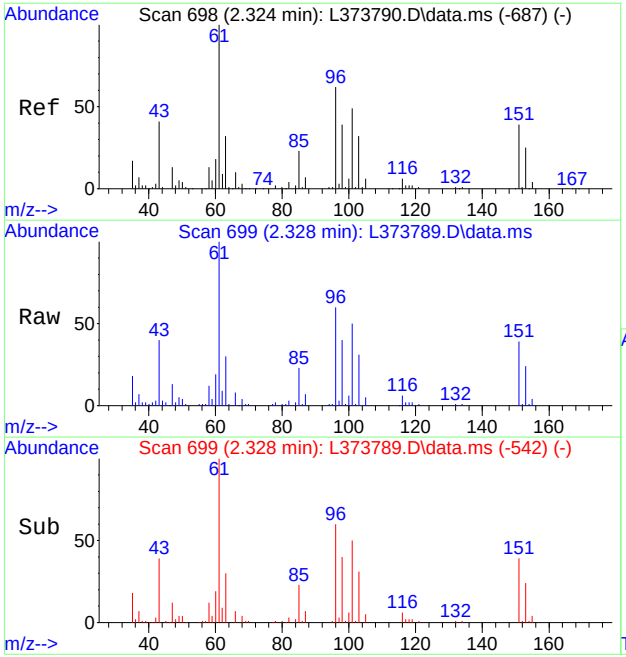


#16
freon 113
Concen: 19.27 ug/L
RT: 2.324 min Scan# 698
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion:151 Resp: 35851

Ion	Ratio	Lower	Upper
151	100		
101	138.8	107.4	147.4
116	14.8	0.0	33.9

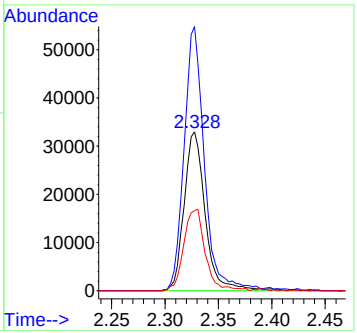


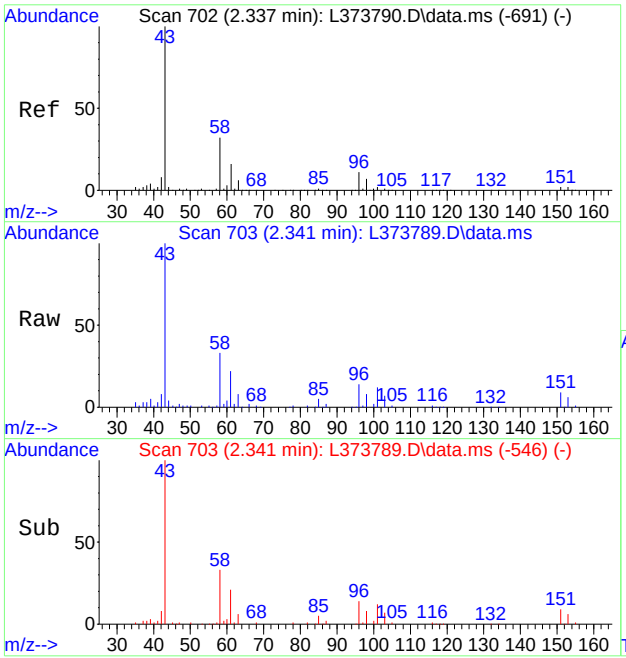


#17
1,1-dichloroethene
Concen: 19.53 ug/L
RT: 2.328 min Scan# 699
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 96 Resp: 45415

Ion	Ratio	Lower	Upper
96	100		
61	166.4	131.4	191.4
63	50.4	22.3	82.3

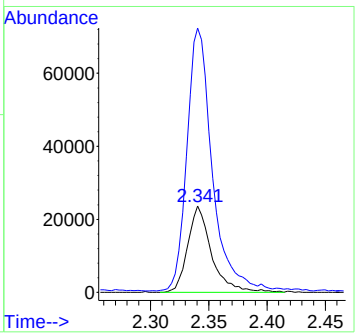


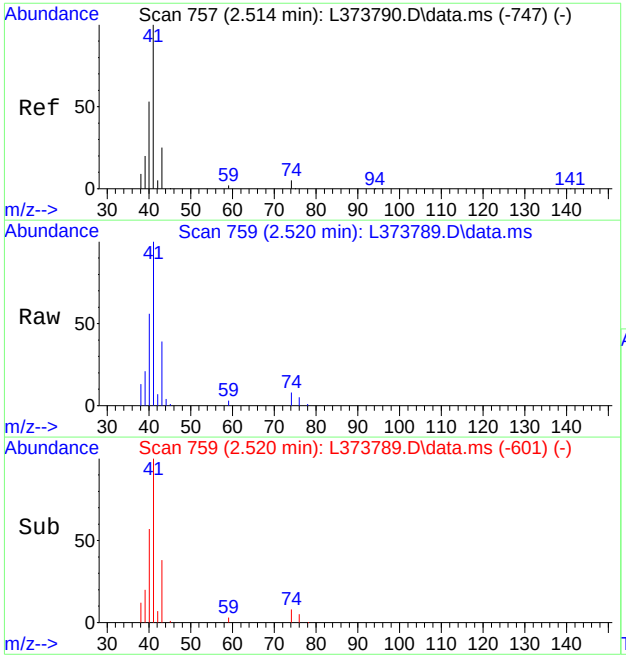


#18
acetone
Concen: 72.69 ug/L
RT: 2.341 min Scan# 703
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 58 Resp: 33730

Ion	Ratio	Lower	Upper
58	100		
43	303.9	286.5	346.5

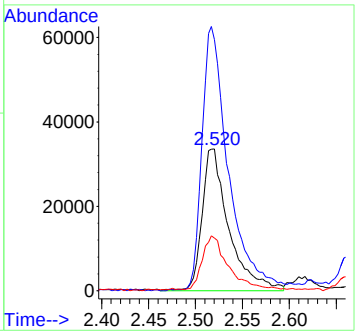


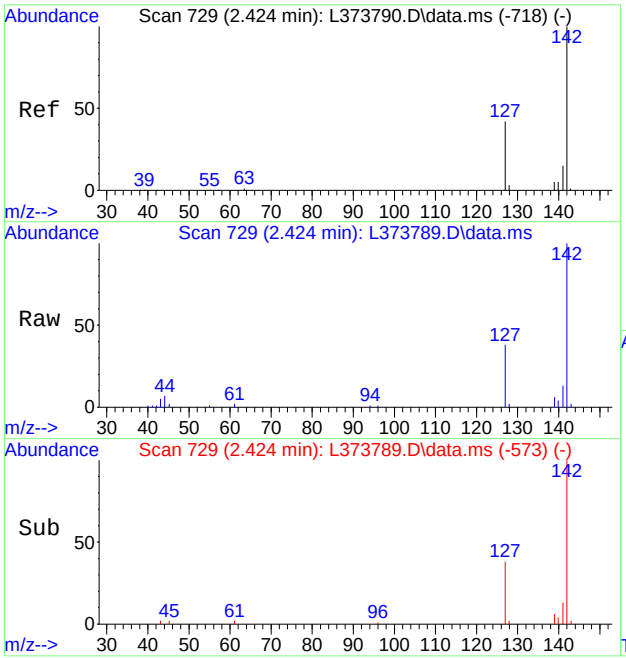


#19
acetonitrile
Concen: 191.24 ug/L
RT: 2.520 min Scan# 759
Delta R.T. 0.007 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 40 Resp: 66914

Ion	Ratio	Lower	Upper
40	100		
41	177.0	158.5	218.5
39	36.2	8.2	68.2

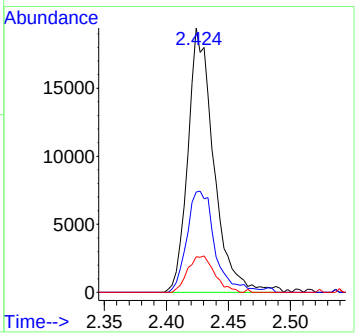


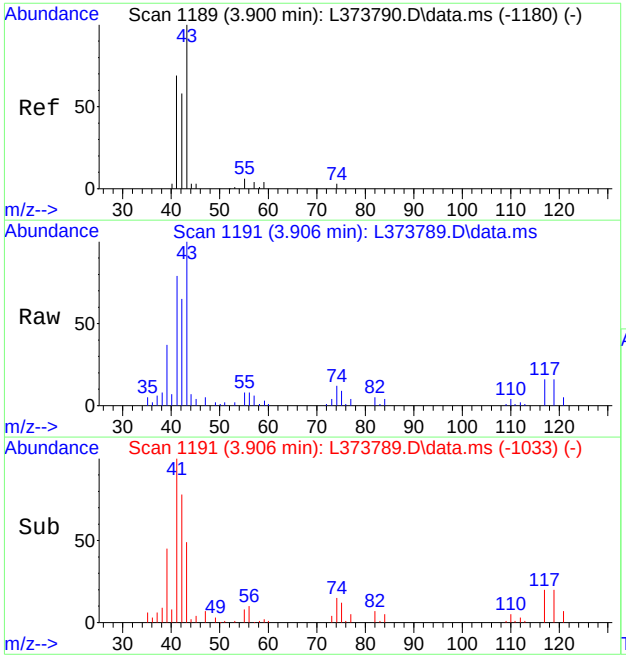


#20
iodomethane
Concen: 21.57 ug/L
RT: 2.424 min Scan# 729
Delta R.T. 0.000 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion:142 Resp: 28126

Ion	Ratio	Lower	Upper
142	100		
127	37.9	12.2	72.2
141	13.5	0.0	44.6

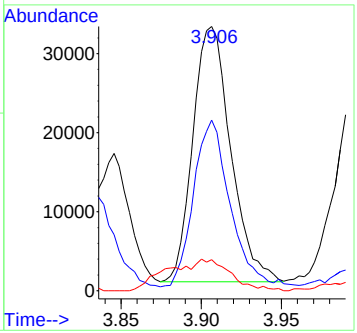


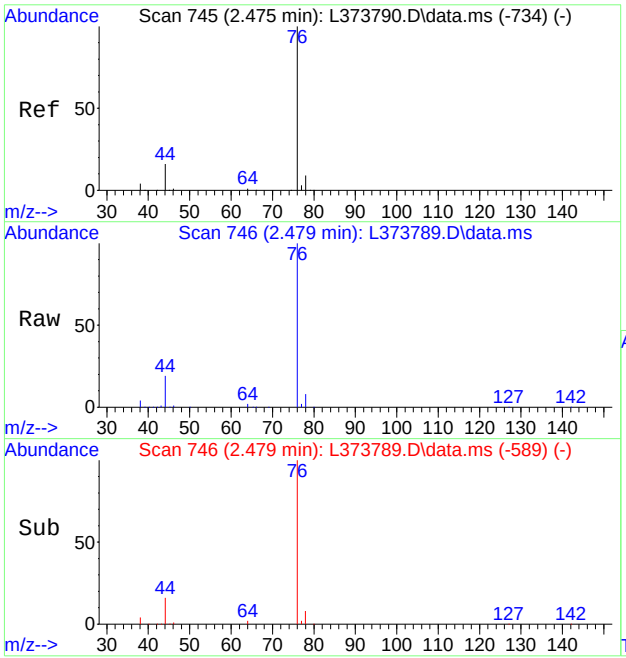


#21
iso-butyl alcohol
Concen: 161.79 ug/L
RT: 3.906 min Scan# 1191
Delta R.T. 0.007 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 43 Resp: 53257

Ion	Ratio	Lower	Upper
43	100		
42	65.3	28.3	88.3
74	12.2	0.0	40.9

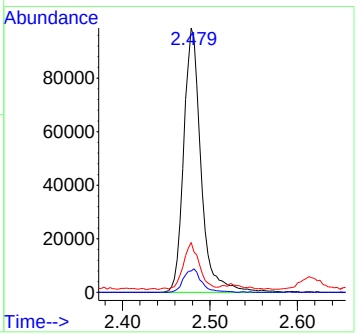


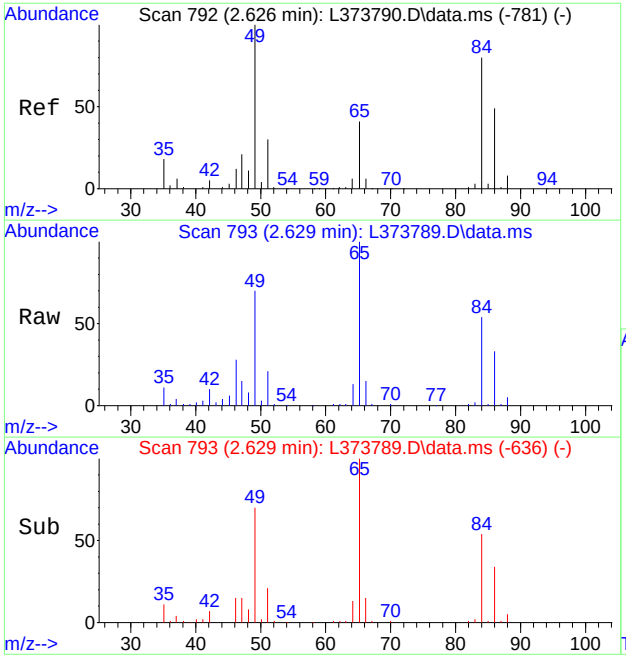


#22
carbon disulfide
Concen: 18.18 ug/L
RT: 2.479 min Scan# 746
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 76 Resp: 136404

Ion	Ratio	Lower	Upper
76	100		
78	8.1	0.0	38.9
44	17.6	0.0	46.1

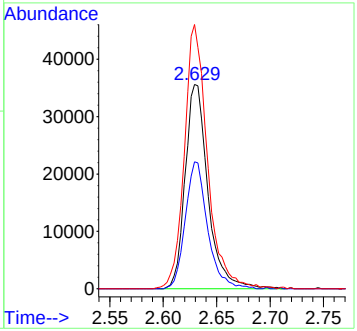


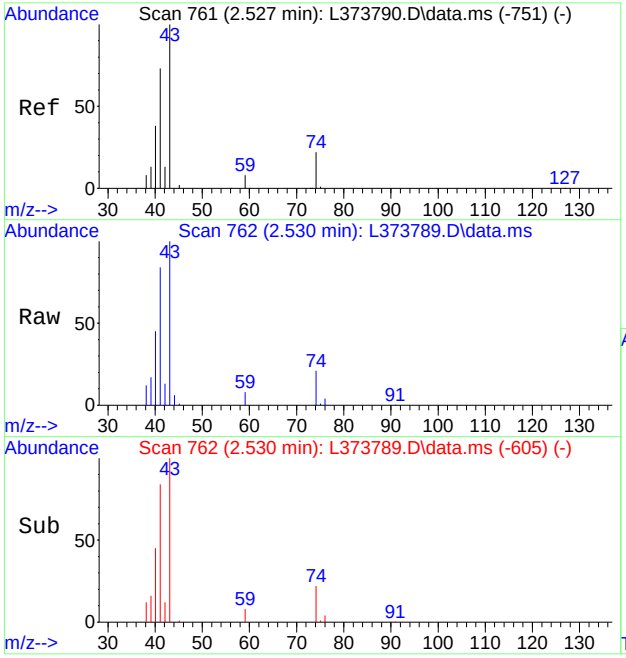


#23
methylene chloride
Concen: 17.91 ug/L
RT: 2.629 min Scan# 793
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 84 Resp: 52998

Ion	Ratio	Lower	Upper
84	100		
86	62.1	31.2	91.2
49	128.7	95.6	155.6

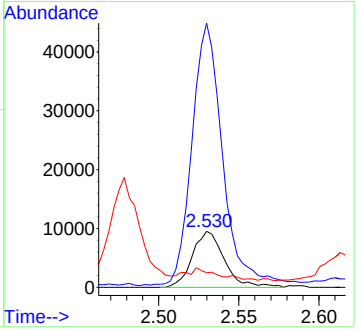


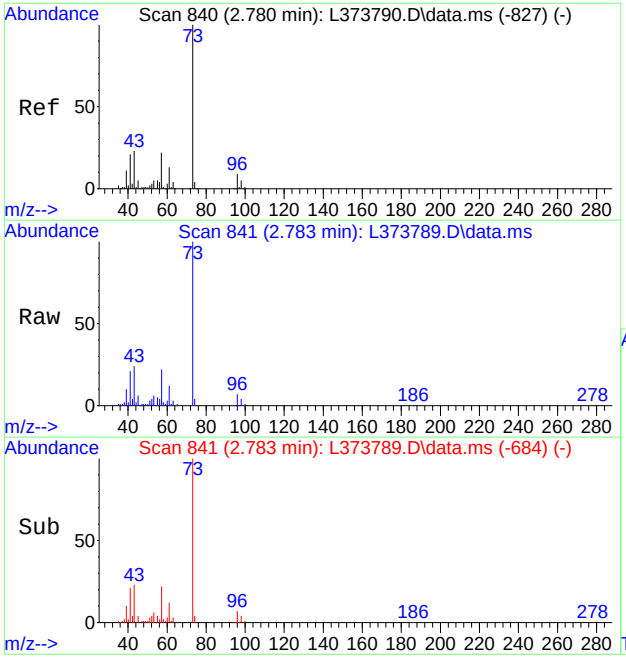


#24
methyl acetate
Concen: 18.17 ug/L
RT: 2.530 min Scan# 762
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 74 Resp: 13226

Ion	Ratio	Lower	Upper
74	100		
43	464.8	417.7	477.7
44	13.2	0.0	39.0

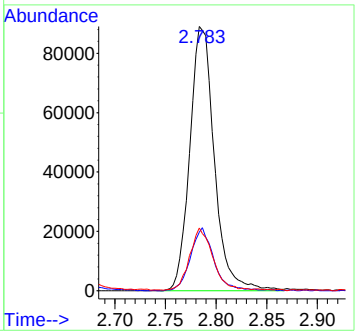


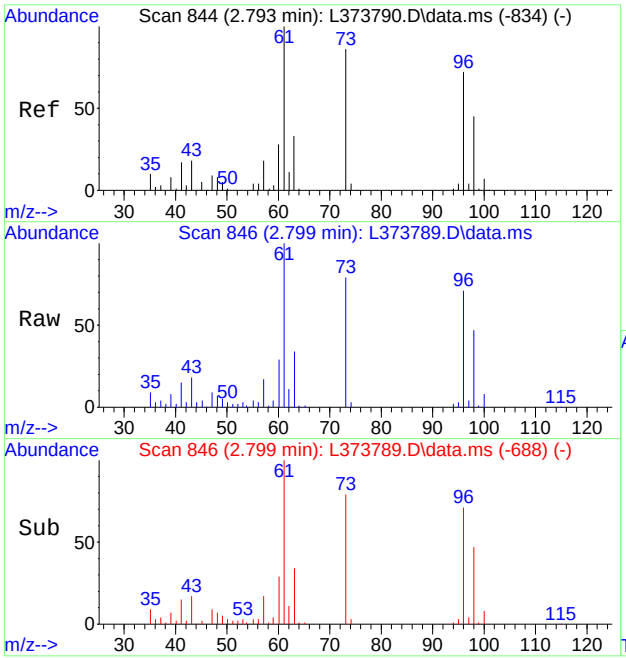


#25
methyl tert butyl ether
Concen: 20.05 ug/L
RT: 2.783 min Scan# 841
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 73 Resp: 150751

Ion	Ratio	Lower	Upper
73	100		
57	22.2	0.0	52.4
43	23.3	0.0	52.7

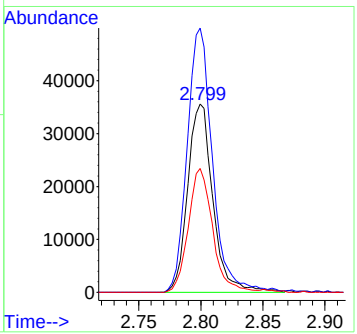


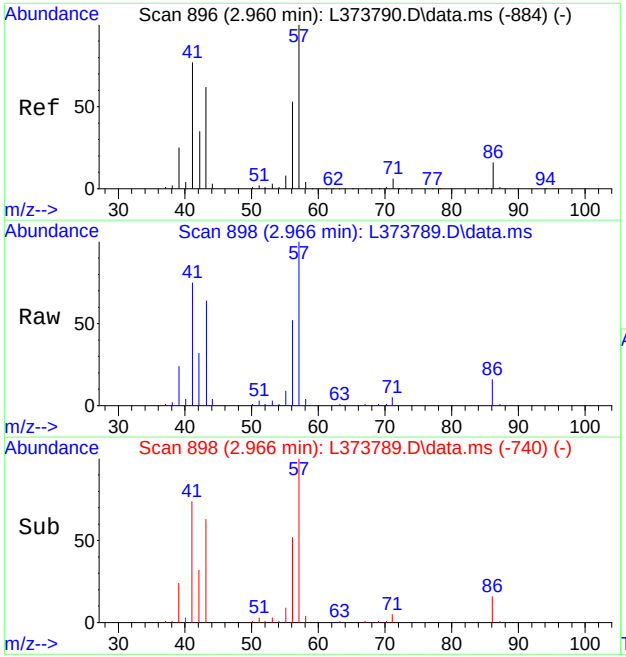


#26
trans-1,2-dichloroethene
Concen: 18.96 ug/L
RT: 2.799 min Scan# 846
Delta R.T. 0.007 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 96 Resp: 50322

Ion	Ratio	Lower	Upper
96	100		
61	140.4	109.1	169.1
98	65.8	32.0	92.0

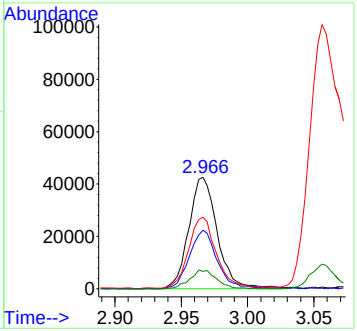


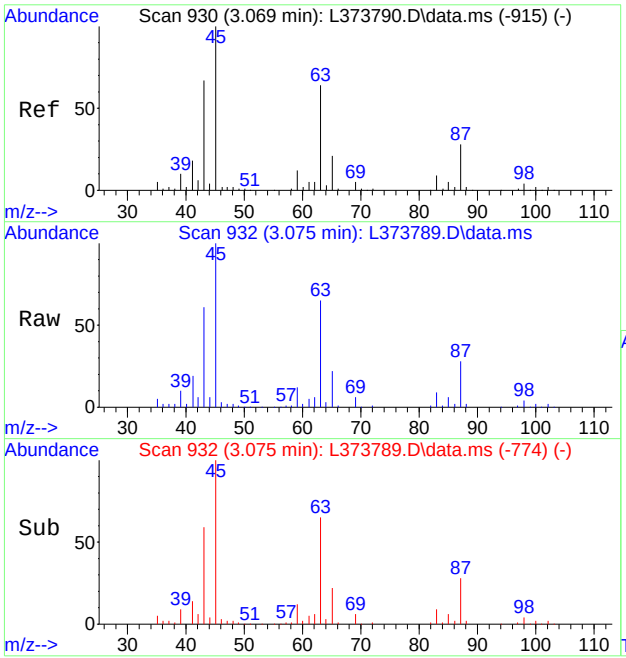


#27
hexane
Concen: 19.99 ug/L
RT: 2.966 min Scan# 898
Delta R.T. 0.007 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 57 Resp: 63819

Ion	Ratio	Lower	Upper
57	100		
56	52.5	32.9	72.9
43	63.6	41.9	81.9
86	15.6	0.0	36.3

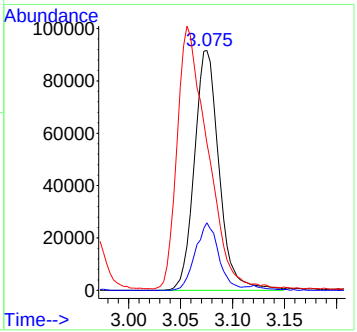


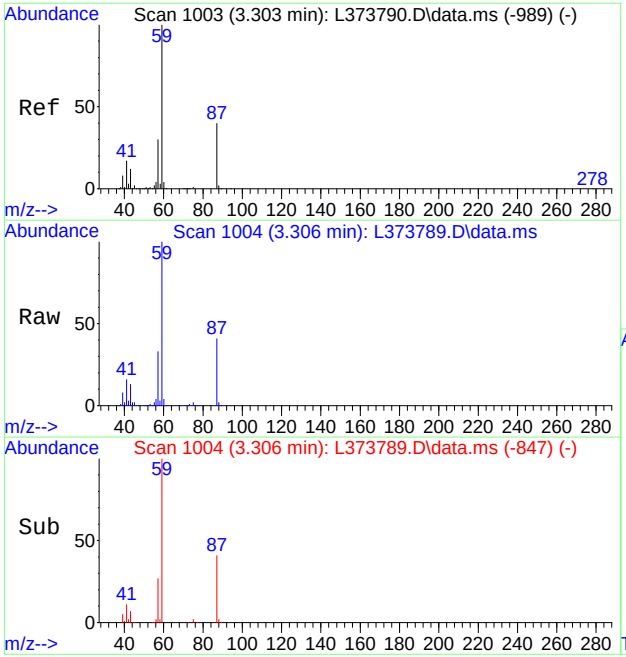


#28
di-isopropyl ether
Concen: 19.19 ug/L
RT: 3.075 min Scan# 932
Delta R.T. 0.007 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 45 Resp: 152089

Ion	Ratio	Lower	Upper
45	100		
87	28.2	0.0	57.5
43	60.0	37.5	97.5

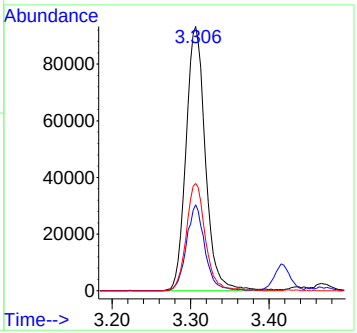


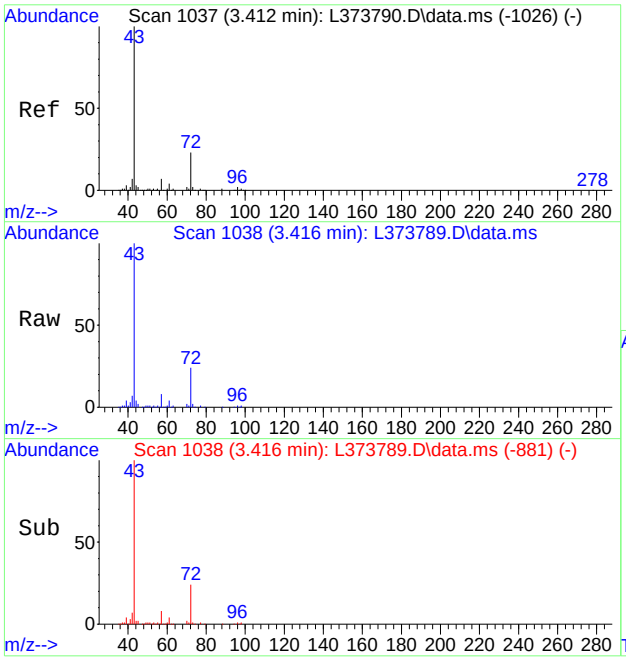


#29
ethyl tert-butyl ether
Concen: 19.86 ug/L
RT: 3.306 min Scan# 1004
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 59 Resp: 160340

Ion	Ratio	Lower	Upper
59	100		
57	32.5	0.3	60.3
87	40.6	9.6	69.6

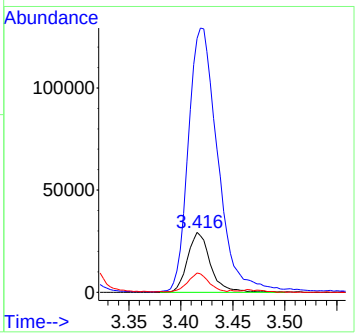


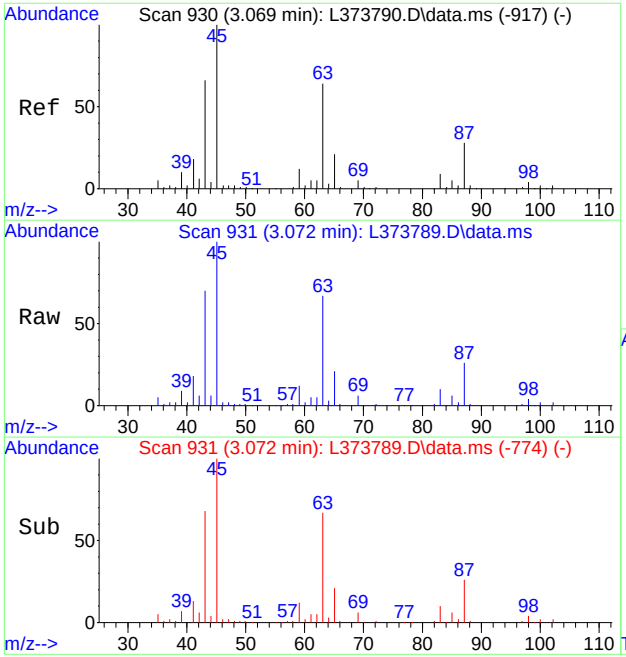


#30
2-butanone
Concen: 80.96 ug/L
RT: 3.416 min Scan# 1038
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 72 Resp: 45168

Ion	Ratio	Lower	Upper
72	100		
43	421.8	411.9	471.9
57	31.5	2.4	62.4

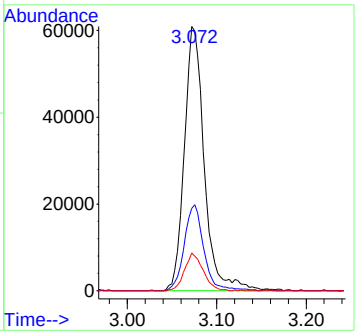


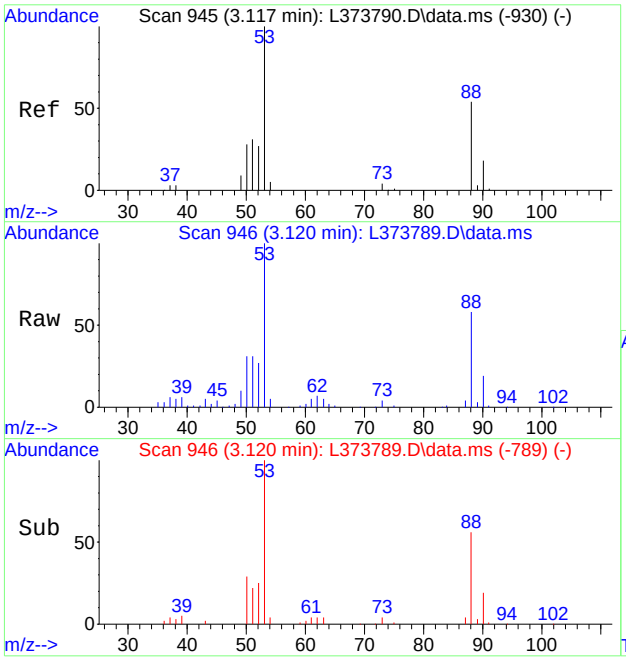


#31
1,1-dichloroethane
Concen: 18.89 ug/L
RT: 3.072 min Scan# 931
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 63 Resp: 94731

Ion	Ratio	Lower	Upper
63	100		
65	31.2	2.5	62.5
83	14.3	0.0	43.5

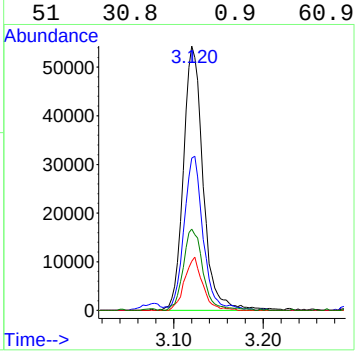


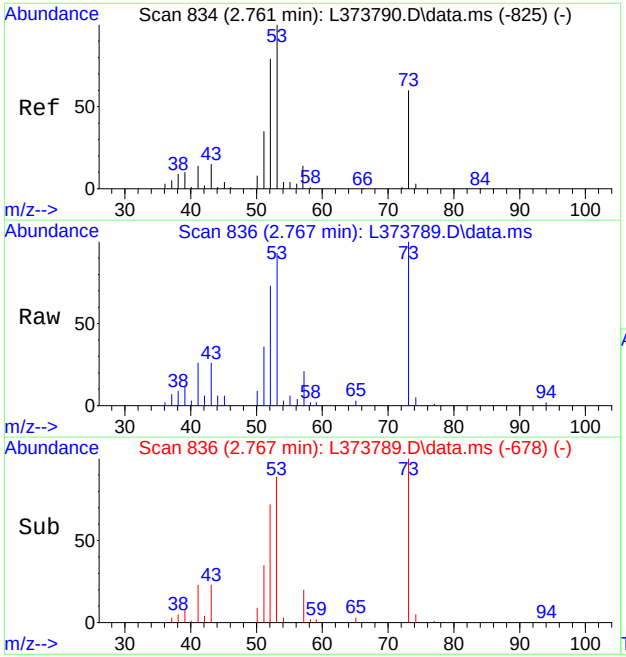


#32
chloroprene
Concen: 20.00 ug/L
RT: 3.120 min Scan# 946
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 53 Resp: 83524

Ion	Ratio	Lower	Upper
53	100		
88	57.6	26.2	86.2
90	18.6	0.0	47.9
51	30.8	0.9	60.9

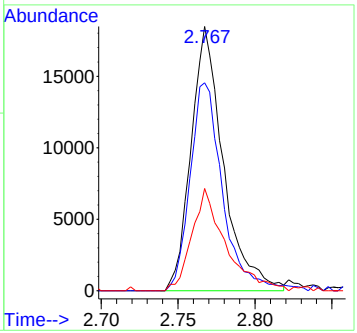


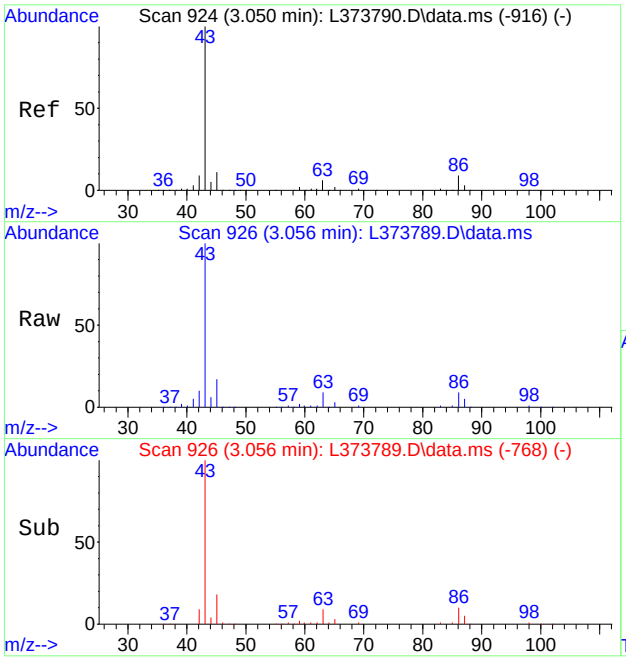


#33
acrylonitrile
Concen: 19.84 ug/L
RT: 2.767 min Scan# 836
Delta R.T. 0.007 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 53 Resp: 26984

Ion	Ratio	Lower	Upper
53	100		
52	78.6	48.8	108.8
51	38.7	4.6	64.6

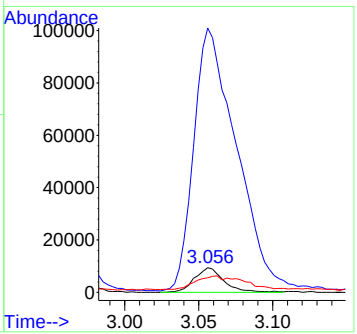


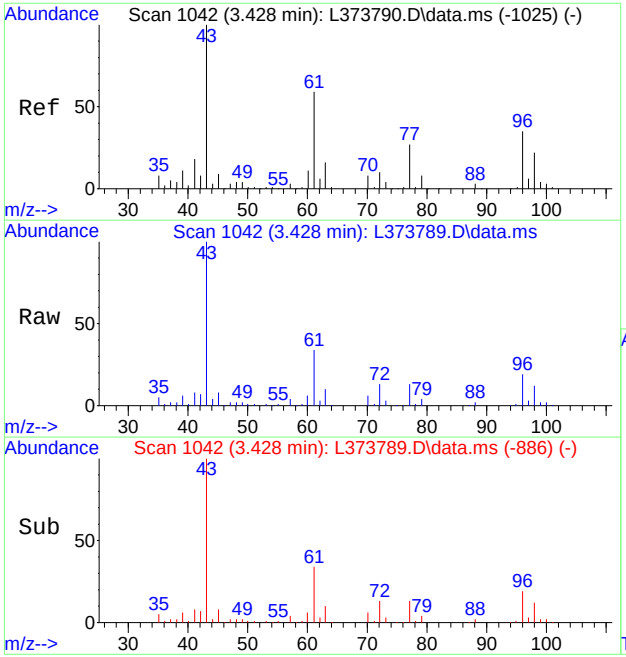


#34
vinyl acetate
Concen: 20.49 ug/L
RT: 3.056 min Scan# 926
Delta R.T. 0.007 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 86 Resp: 13096

Ion	Ratio	Lower	Upper
86	100		
43	1069.4	1076.3	1136.3#
44	47.3	23.6	83.6

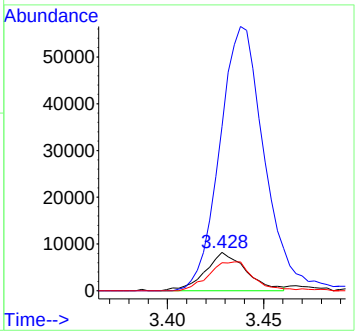


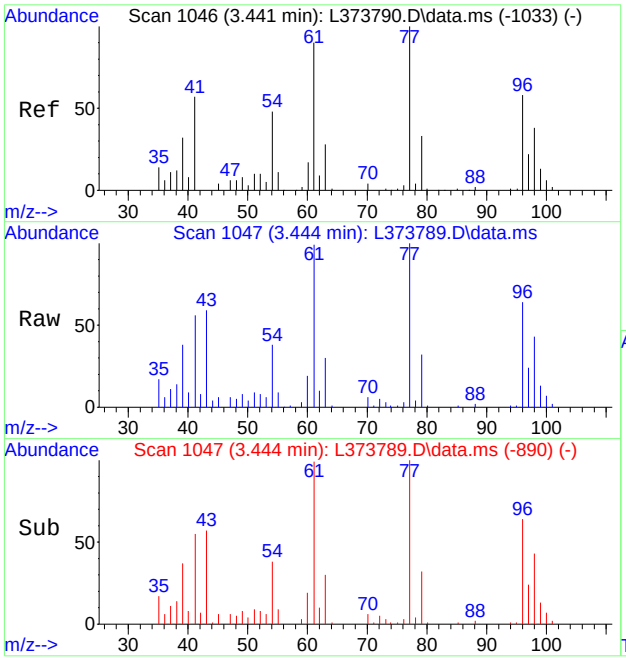


#35
ethyl acetate
Concen: 16.97 ug/L
RT: 3.428 min Scan# 1042
Delta R.T. 0.000 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 45 Resp: 12193

Ion	Ratio	Lower	Upper
45	100		
61	428.4	598.6	658.6#
70	72.9	53.6	113.6

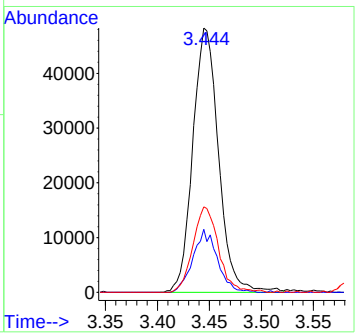


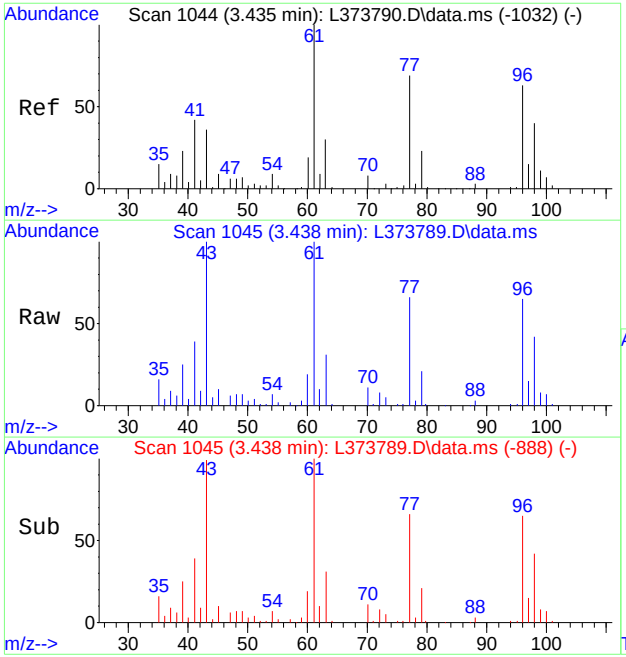


#36
2,2-dichloropropane
Concen: 18.36 ug/L
RT: 3.444 min Scan# 1047
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 77 Resp: 83615

Ion	Ratio	Lower	Upper
77	100		
97	23.8	0.0	52.3
79	32.3	3.0	63.0

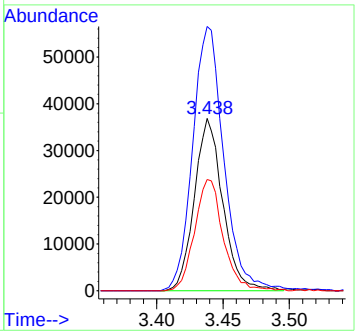


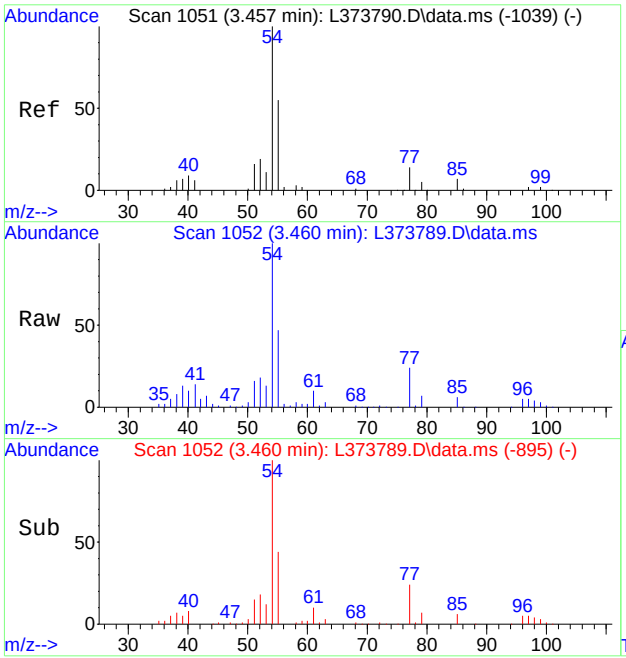


#37
cis-1,2-dichloroethene
Concen: 18.69 ug/L
RT: 3.438 min Scan# 1045
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 96 Resp: 54962

Ion	Ratio	Lower	Upper
96	100		
61	153.4	128.7	188.7
98	64.5	34.1	94.1

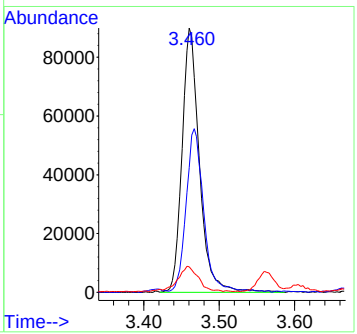


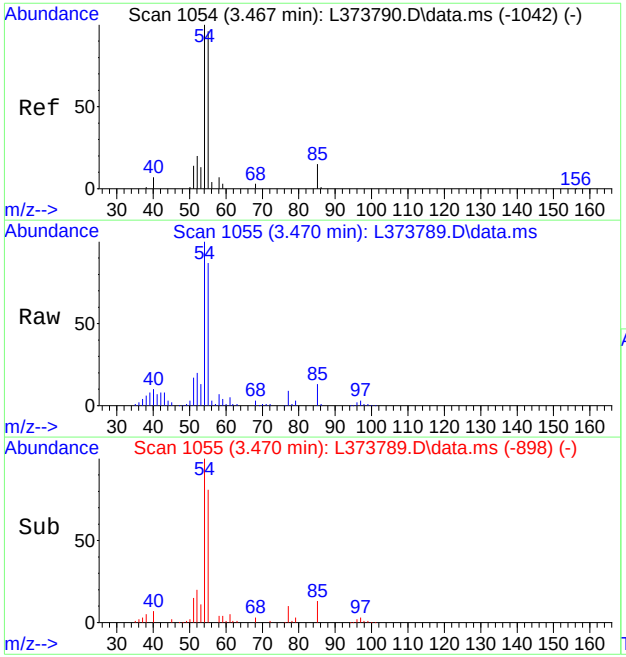


#38
propionitrile
Concen: 181.03 ug/L
RT: 3.460 min Scan# 1052
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 54 Resp: 144130

Ion	Ratio	Lower	Upper
54	100		
55	46.7	25.4	85.4
40	8.5	0.0	39.0

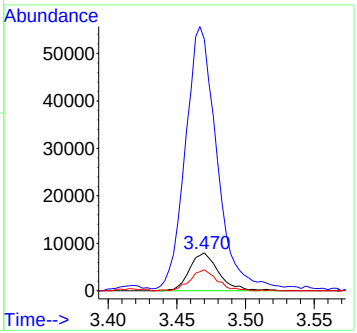


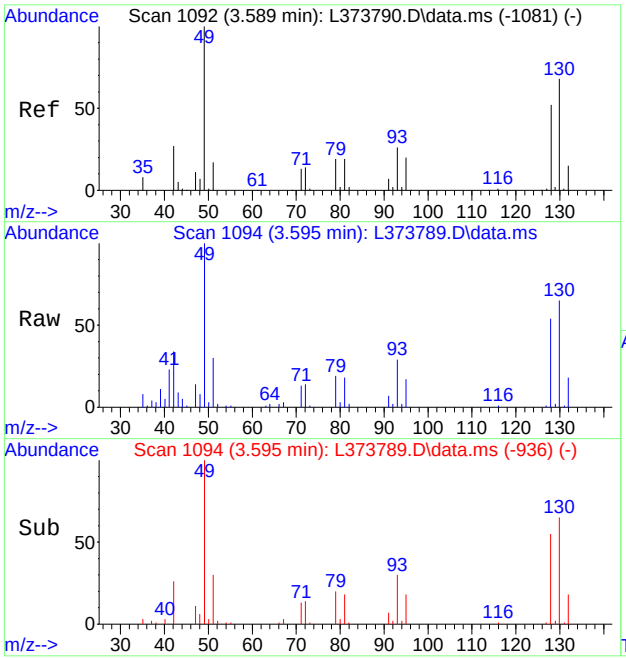


#39
methyl acrylate
Concen: 20.16 ug/L
RT: 3.470 min Scan# 1055
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 85 Resp: 11829

Ion	Ratio	Lower	Upper
85	100		
55	653.1	639.4	679.4
58	55.5	29.8	69.8

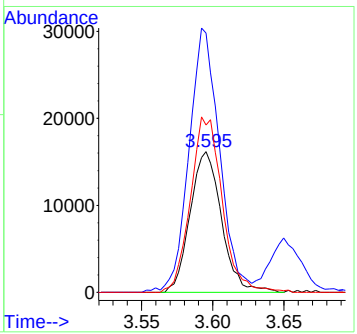


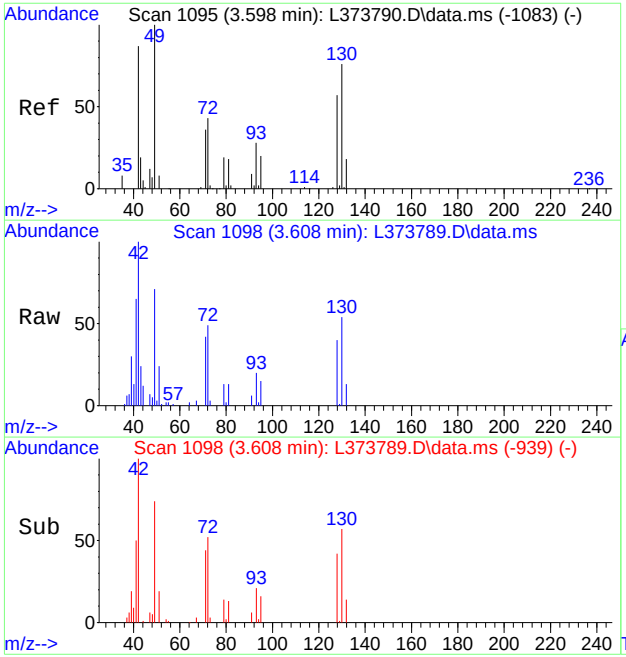


#40
bromochloromethane
Concen: 18.98 ug/L
RT: 3.595 min Scan# 1094
Delta R.T. 0.007 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion:128 Resp: 24848

Ion	Ratio	Lower	Upper
128	100		
49	182.6	163.3	223.3
130	118.8	100.3	160.3

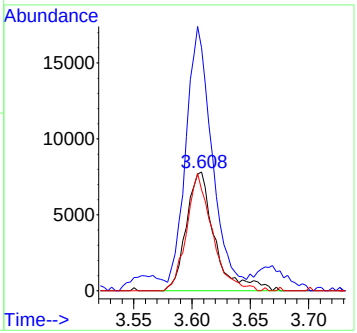


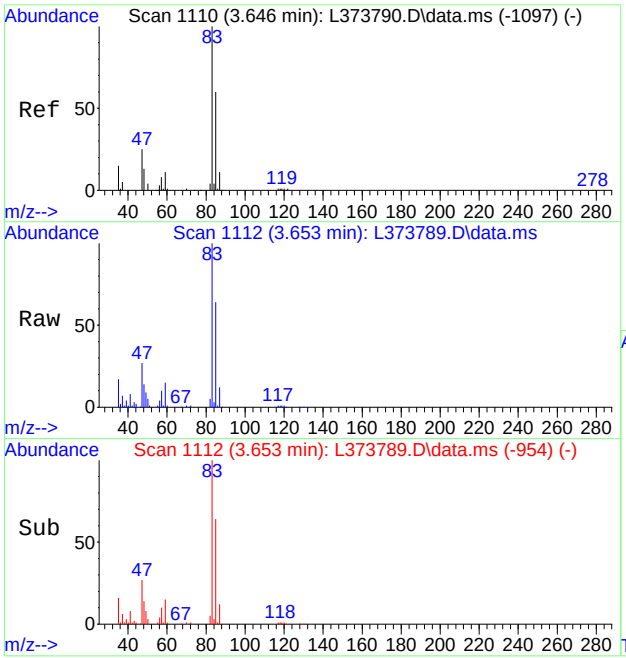


#41
tetrahydrofuran
Concen: 18.36 ug/L
RT: 3.608 min Scan# 1098
Delta R.T. 0.010 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 72 Resp: 13290

Ion	Ratio	Lower	Upper
72	100		
42	194.8	183.3	243.3
71	85.0	53.5	113.5

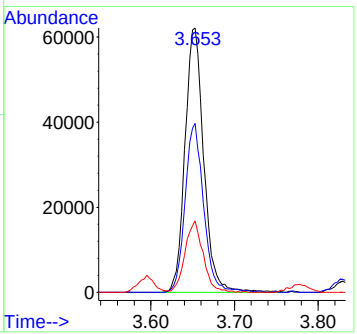


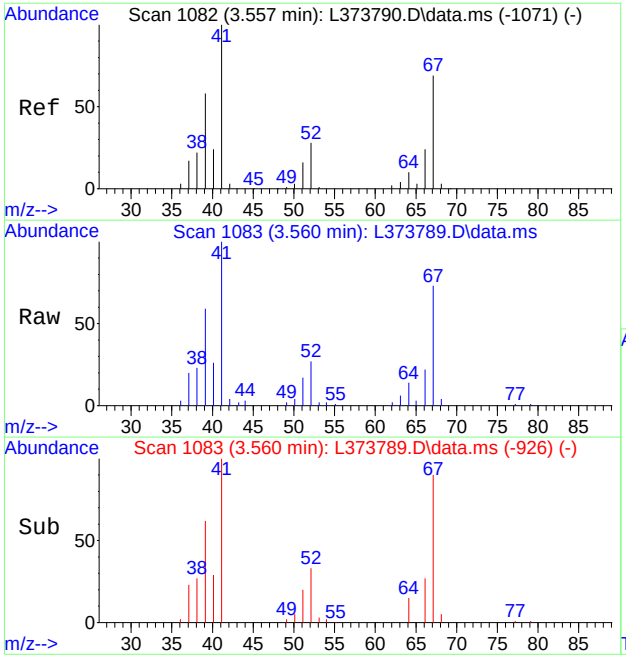


#42
chloroform
Concen: 16.66 ug/L
RT: 3.653 min Scan# 1112
Delta R.T. 0.007 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 83 Resp: 97286

Ion	Ratio	Lower	Upper
83	100		
85	63.9	29.7	89.7
47	26.4	0.0	54.6

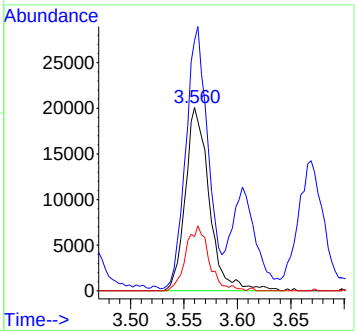


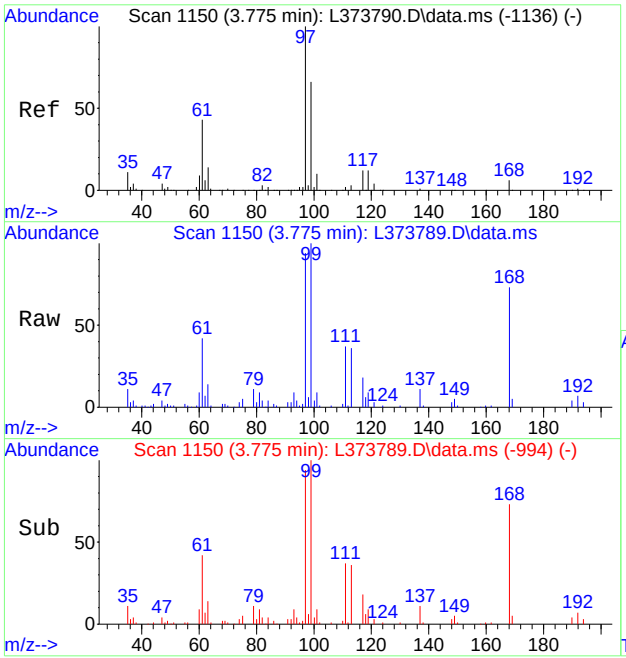


#44
methacrylonitrile
Concen: 18.82 ug/L
RT: 3.560 min Scan# 1083
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 67 Resp: 31292

Ion	Ratio	Lower	Upper
67	100		
41	135.4	115.3	175.3
66	29.6	4.3	64.3

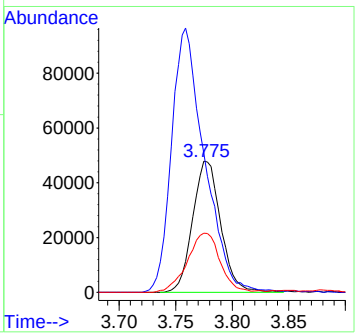


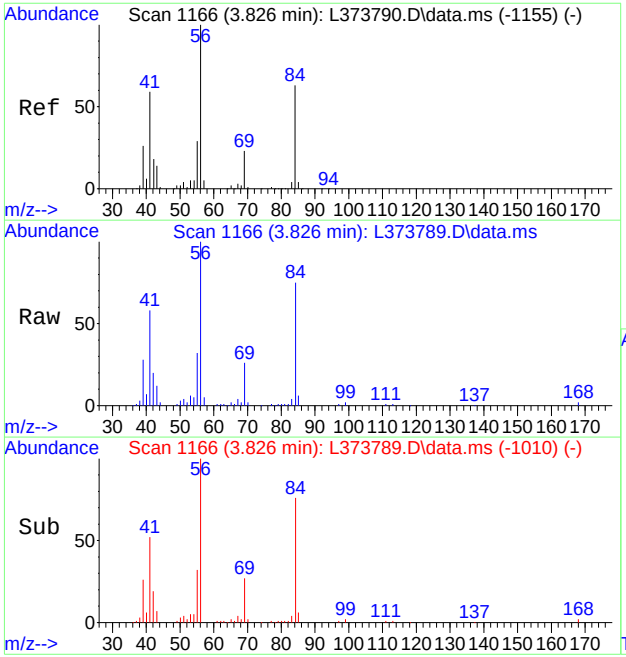


#45
1,1,1-trichloroethane
Concen: 18.85 ug/L
RT: 3.775 min Scan# 1150
Delta R.T. 0.000 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 97 Resp: 82854

Ion	Ratio	Lower	Upper
97	100		
99	105.3	41.0	101.0#
61	43.6	12.9	72.9

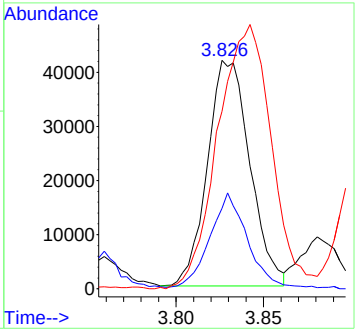


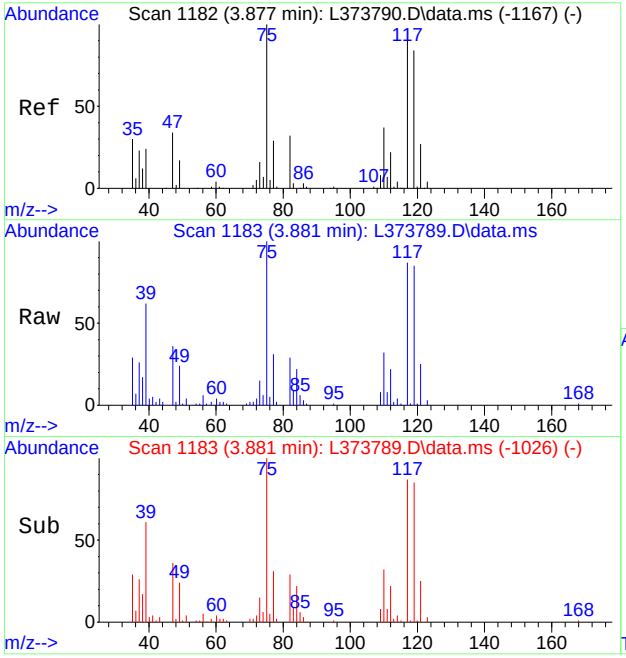


#46
cyclohexane
Concen: 19.69 ug/L
RT: 3.826 min Scan# 1166
Delta R.T. 0.000 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 84 Resp: 70503

Ion	Ratio	Lower	Upper
84	100		
69	34.8	16.2	56.2
41	78.1	73.6	113.6

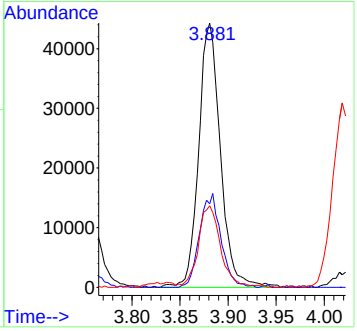


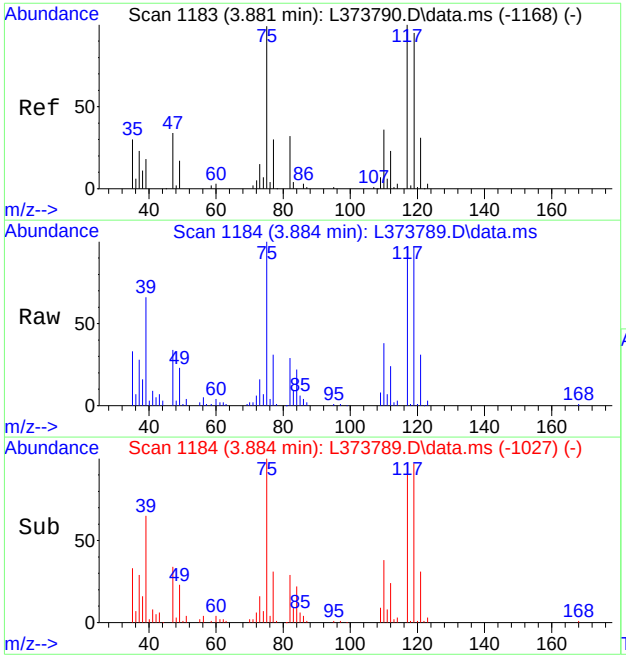


#47
1,1-dichloropropene
Concen: 20.18 ug/L
RT: 3.881 min Scan# 1183
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 75 Resp: 69823

Ion	Ratio	Lower	Upper
75	100		
110	31.6	17.0	57.0
77	30.9	10.2	50.2

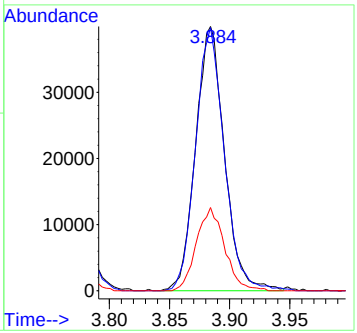


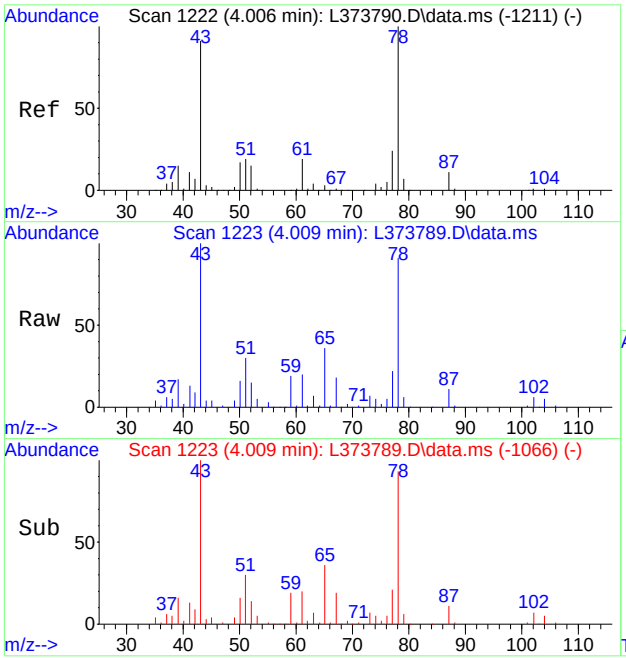


#48
carbon tetrachloride
Concen: 18.89 ug/L
RT: 3.884 min Scan# 1184
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion:117 Resp: 66914

Ion	Ratio	Lower	Upper
117	100		
119	99.5	74.4	114.4
121	31.5	10.8	50.8

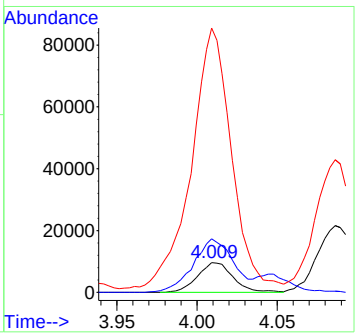


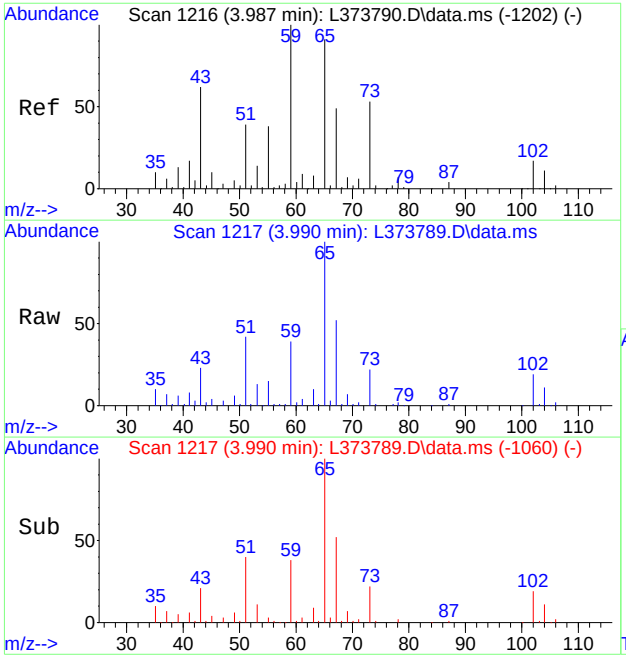


#49
isopropyl acetate
Concen: 18.97 ug/L
RT: 4.009 min Scan# 1223
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 87 Resp: 14869

Ion	Ratio	Lower	Upper
87	100		
61	174.0	152.1	192.1
43	864.3	844.1	904.1

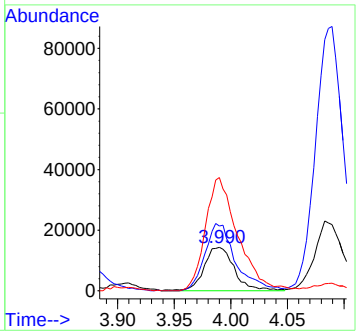


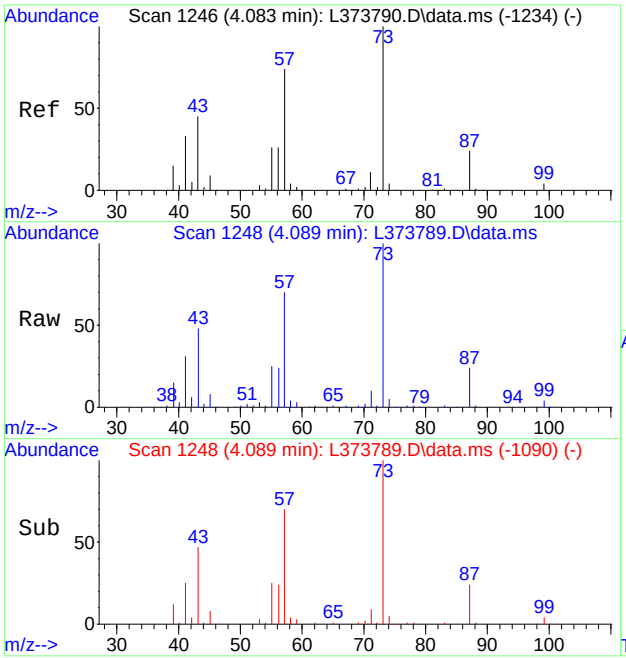


#50
tert amyl alcohol
Concen: 80.61 ug/L
RT: 3.990 min Scan# 1217
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 55 Resp: 26801

Ion	Ratio	Lower	Upper
55	100		
73	148.6	119.2	159.2
59	260.0	242.0	282.0

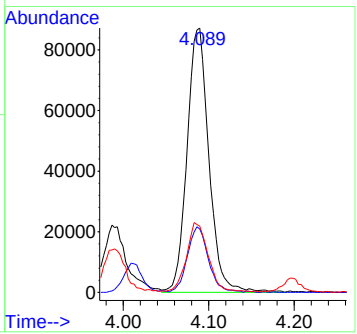


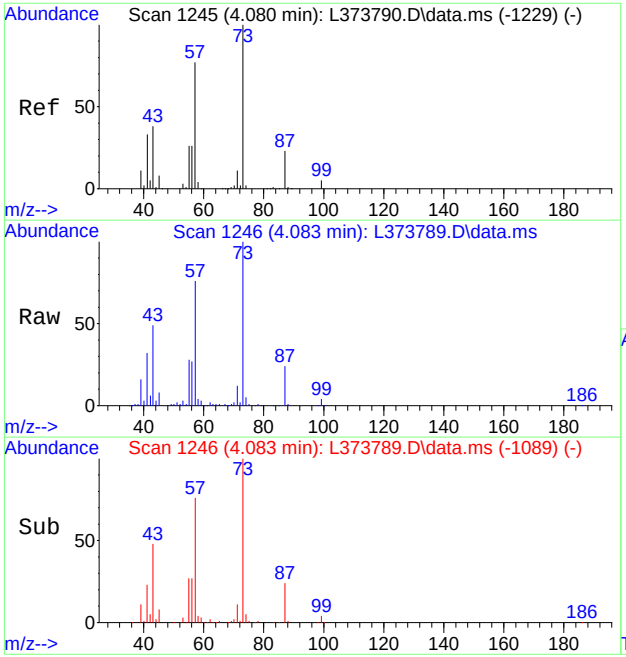


#53
tert-amyl methyl ether
Concen: 18.68 ug/L
RT: 4.089 min Scan# 1248
Delta R.T. 0.007 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 73 Resp: 155418

Ion	Ratio	Lower	Upper
73	100		
87	24.0	4.6	44.6
55	24.5	5.7	45.7

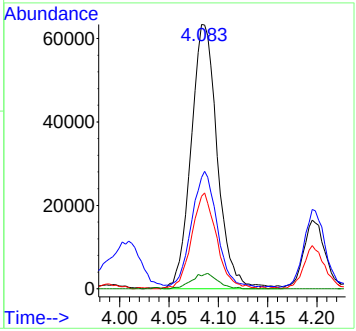


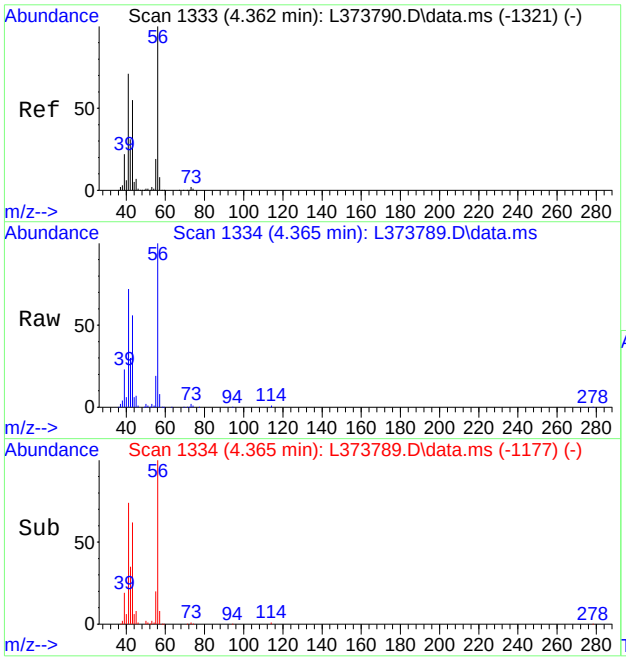


#54
2,2,4-trimethylpentane
Concen: 19.11 ug/L
RT: 4.083 min Scan# 1246
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 57 Resp: 117770

Ion	Ratio	Lower	Upper
57	100		
41	41.1	25.1	65.1
56	35.0	13.8	53.8
99	4.9	0.0	25.9

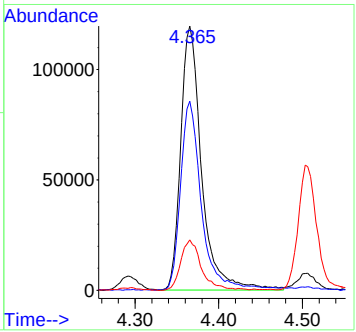


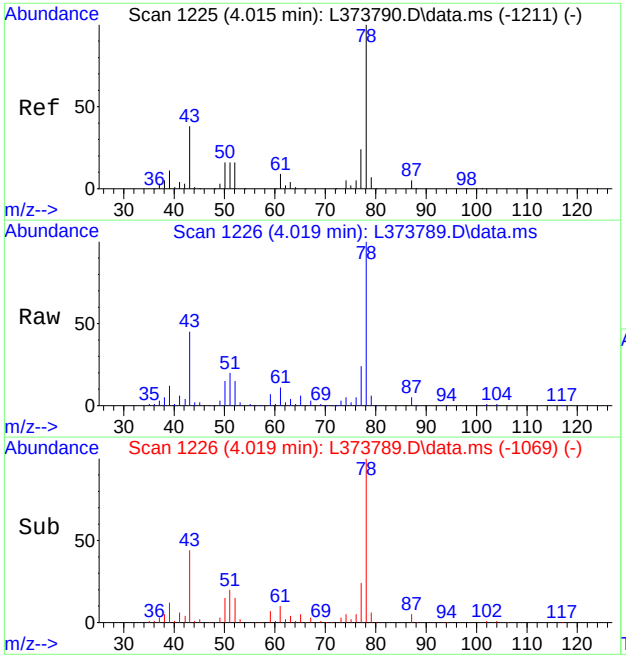


#55
n-butyl alcohol
Concen: 800.86 ug/L
RT: 4.365 min Scan# 1334
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 56 Resp: 207548

Ion	Ratio	Lower	Upper
56	100		
41	71.4	40.6	100.6
55	19.1	0.0	49.1

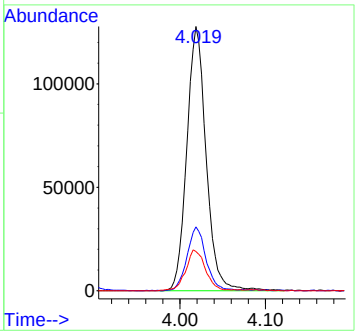


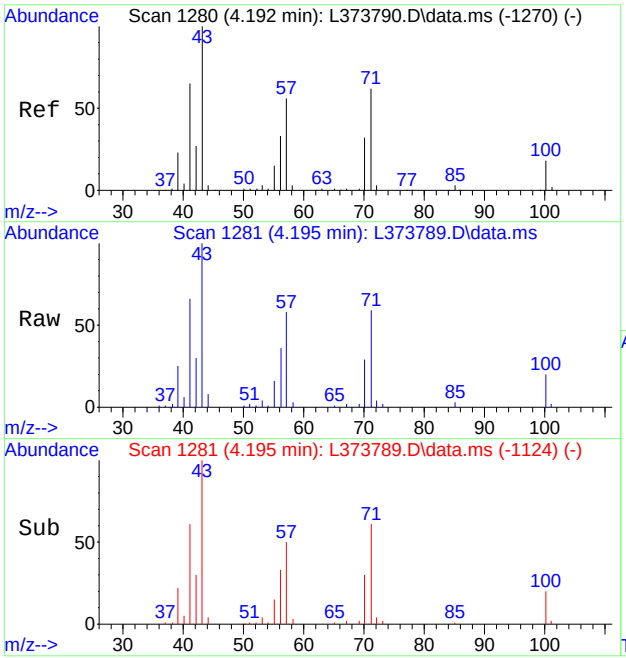


#56
benzene
Concen: 17.68 ug/L
RT: 4.019 min Scan# 1226
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 78 Resp: 200672

Ion	Ratio	Lower	Upper
78	100		
77	24.2	0.0	53.5
52	14.9	0.0	46.2

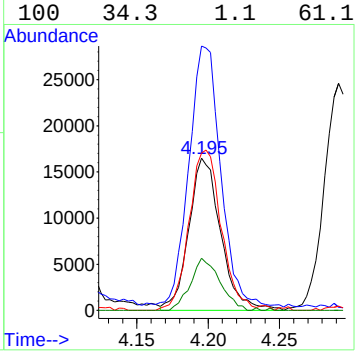


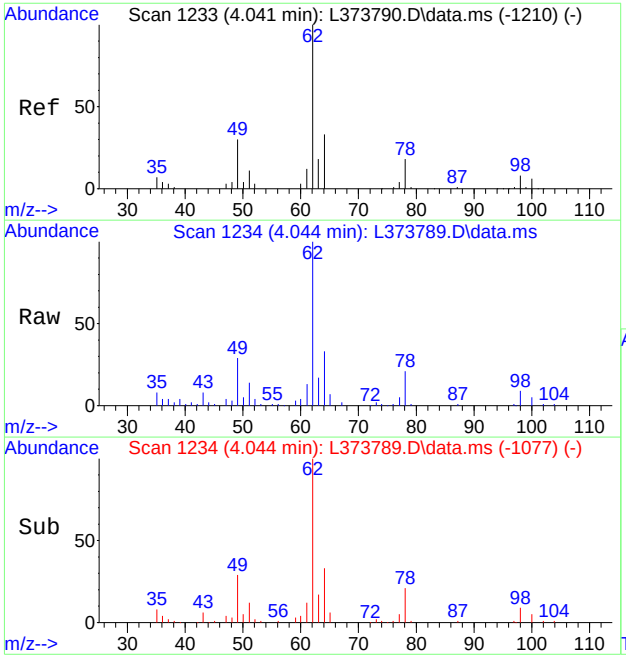


#57
heptane
Concen: 19.71 ug/L
RT: 4.195 min Scan# 1281
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 57 Resp: 25632

Ion	Ratio	Lower	Upper
57	100		
43	171.3	146.8	206.8
71	102.0	78.5	138.5
100	34.3	1.1	61.1

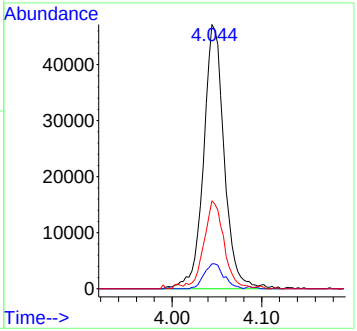


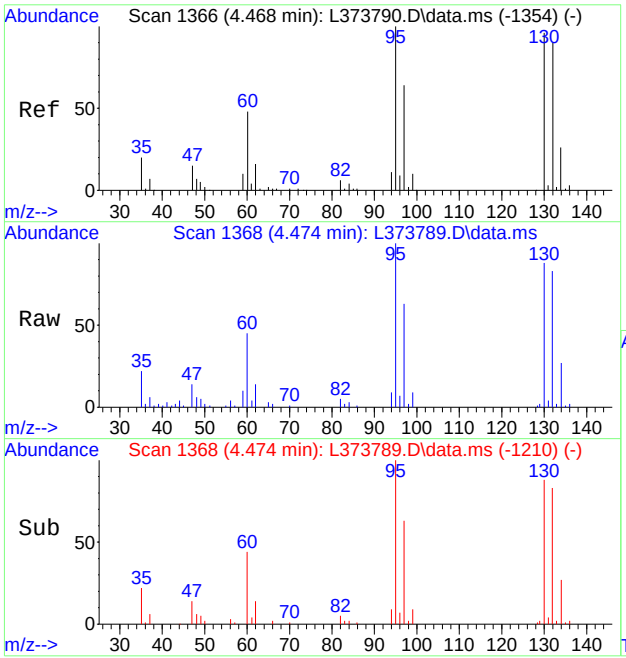


#58
1,2-dichloroethane
Concen: 17.41 ug/L
RT: 4.044 min Scan# 1234
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 62 Resp: 75588

Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	38.1
64	33.3	2.8	62.8

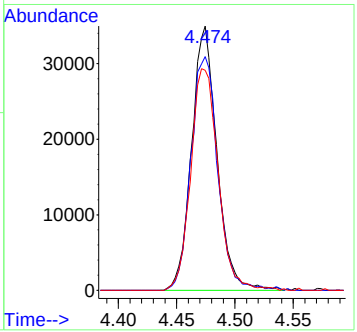


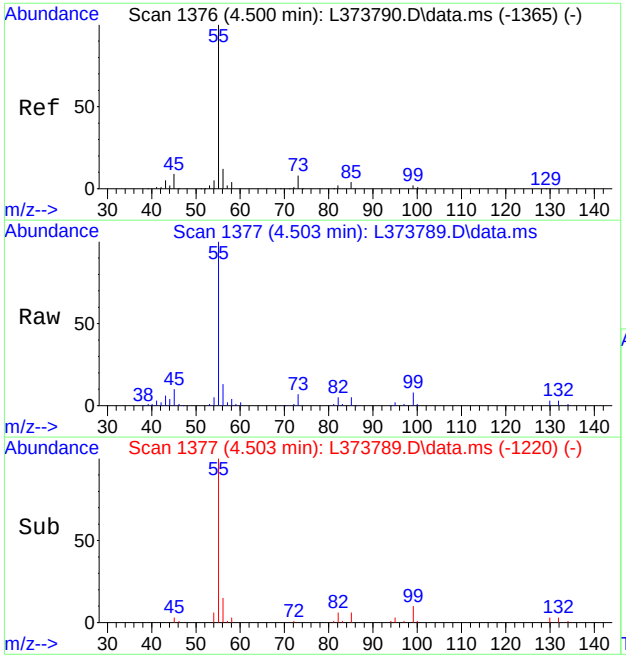


#59
trichloroethene
Concen: 19.01 ug/L
RT: 4.474 min Scan# 1368
Delta R.T. 0.007 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 95 Resp: 52936

Ion	Ratio	Lower	Upper
95	100		
130	88.4	65.5	125.5
132	83.2	59.7	119.7

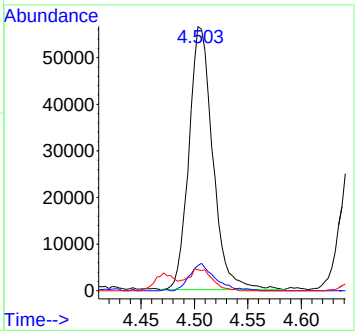


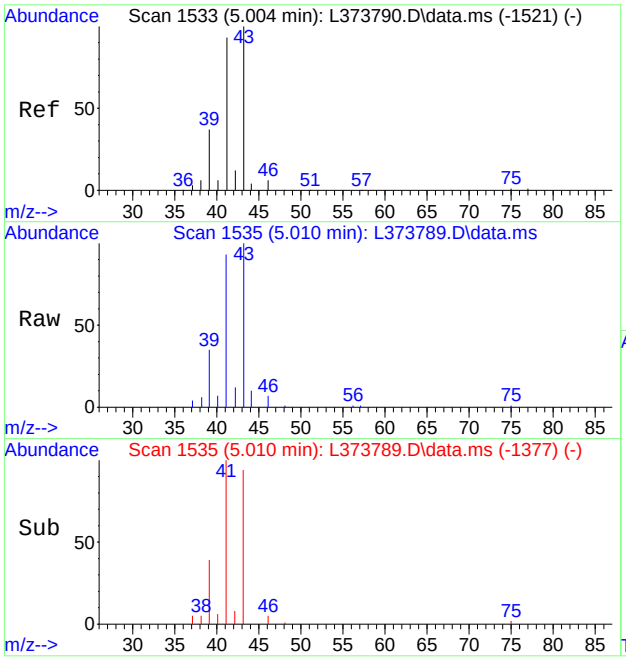


#60
ethyl acrylate
Concen: 16.92 ug/L
RT: 4.503 min Scan# 1377
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 55 Resp: 87225

Ion	Ratio	Lower	Upper
55	100		
45	9.6	0.0	28.6
99	8.1	0.0	27.8

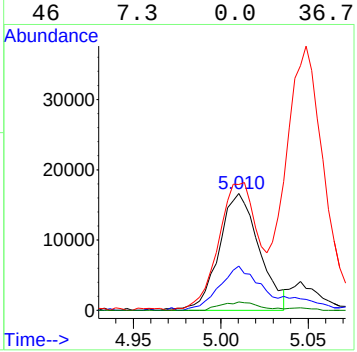


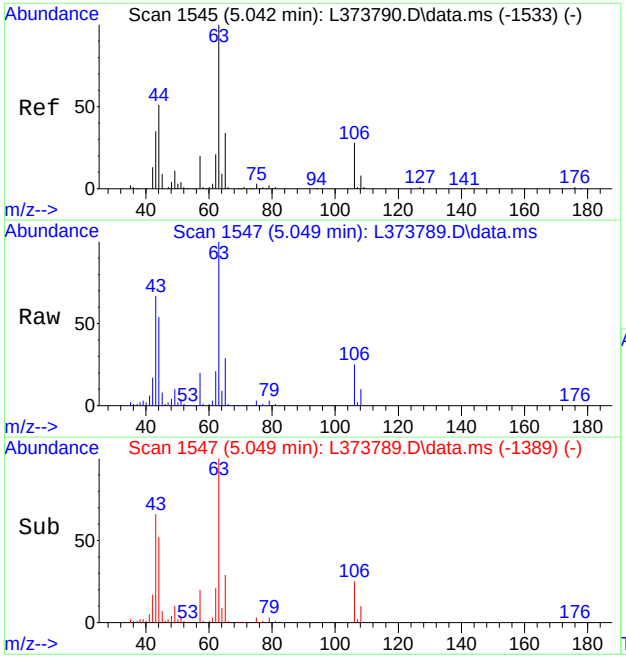


#61
2-nitropropane
Concen: 17.49 ug/L
RT: 5.010 min Scan# 1535
Delta R.T. 0.006 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 41 Resp: 26612

Ion	Ratio	Lower	Upper
41	100		
39	37.8	10.0	70.0
43	105.9	77.9	137.9
46	7.3	0.0	36.7

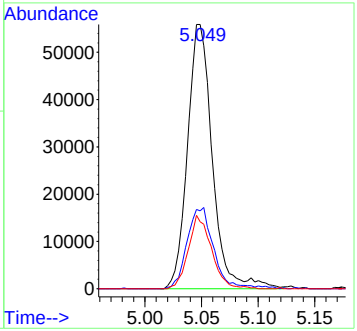


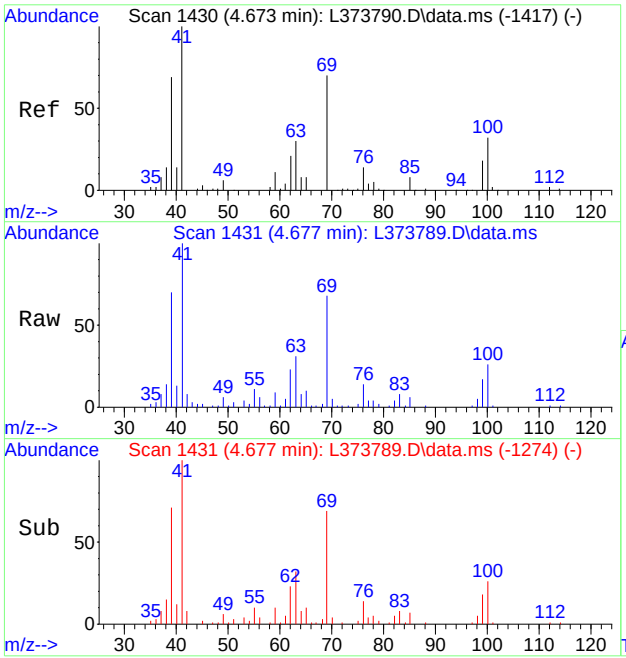


#62
2-chloroethyl vinyl ether
Concen: 89.04 ug/L
RT: 5.049 min Scan# 1547
Delta R.T. 0.007 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 63 Resp: 85690

Ion	Ratio	Lower	Upper
63	100		
65	29.5	3.9	63.9
106	25.3	0.0	57.6

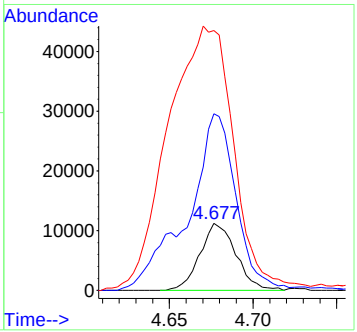


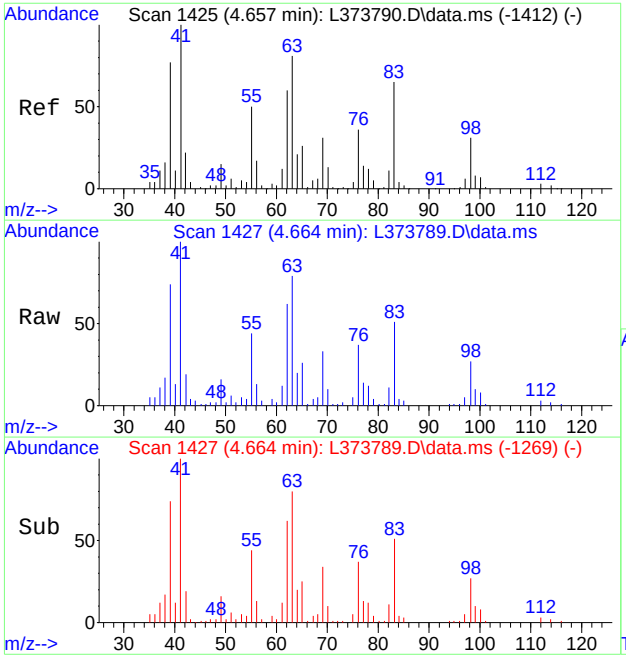


#63
methyl methacrylate
Concen: 17.94 ug/L
RT: 4.677 min Scan# 1431
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion:100 Resp: 16789

Ion	Ratio	Lower	Upper
100	100		
69	256.5	221.2	281.2
41	376.1	360.4	420.4

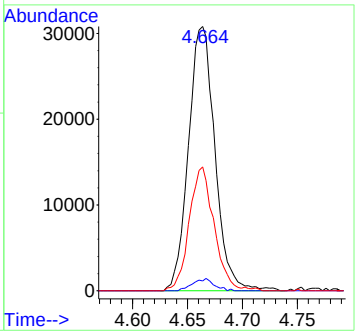


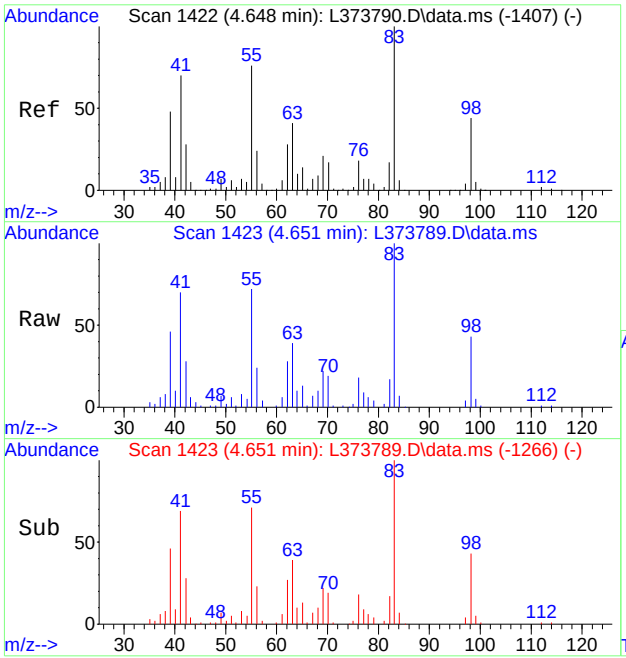


#64
1,2-dichloropropane
Concen: 17.95 ug/L
RT: 4.664 min Scan# 1427
Delta R.T. 0.007 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 63 Resp: 51711

Ion	Ratio	Lower	Upper
63	100		
112	3.8	0.0	34.1
76	46.8	14.3	74.3

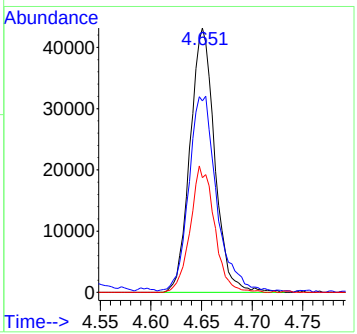


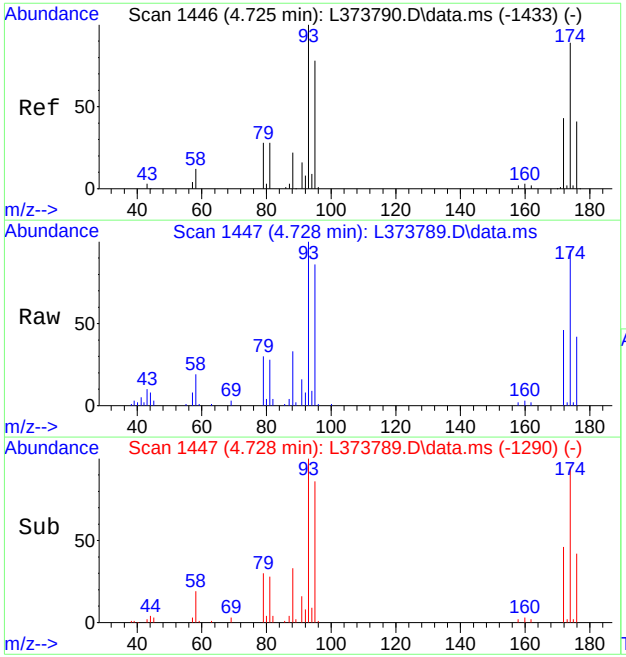


#65
methylcyclohexane
Concen: 19.40 ug/L
RT: 4.651 min Scan# 1423
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 83 Resp: 73312

Ion	Ratio	Lower	Upper
83	100		
55	71.8	46.3	106.3
98	43.4	13.7	73.7

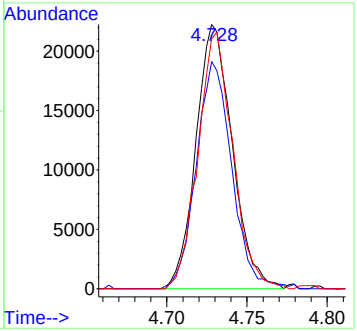


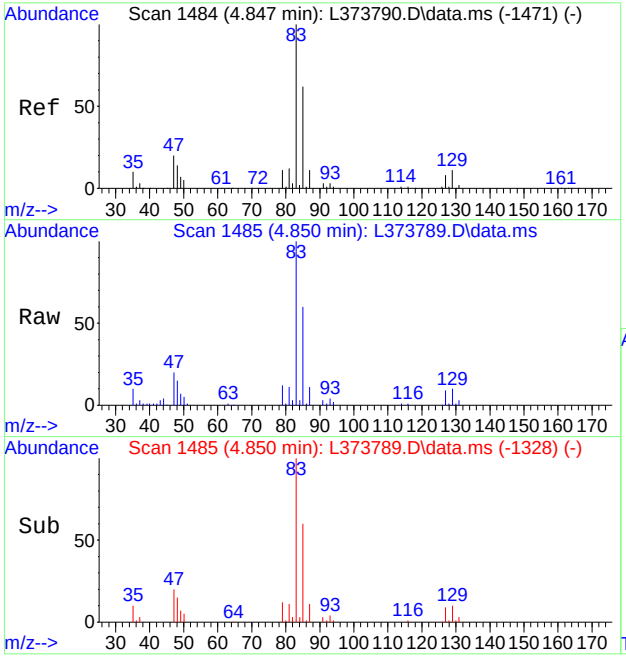


#66
dibromomethane
Concen: 17.44 ug/L
RT: 4.728 min Scan# 1447
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 93 Resp: 35079

Ion	Ratio	Lower	Upper
93	100		
95	86.0	48.3	108.3
174	94.5	59.2	119.2

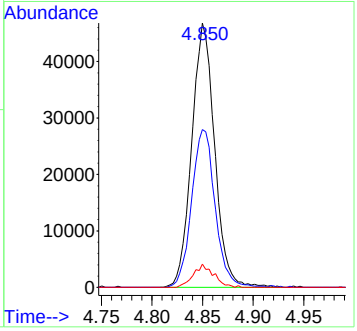


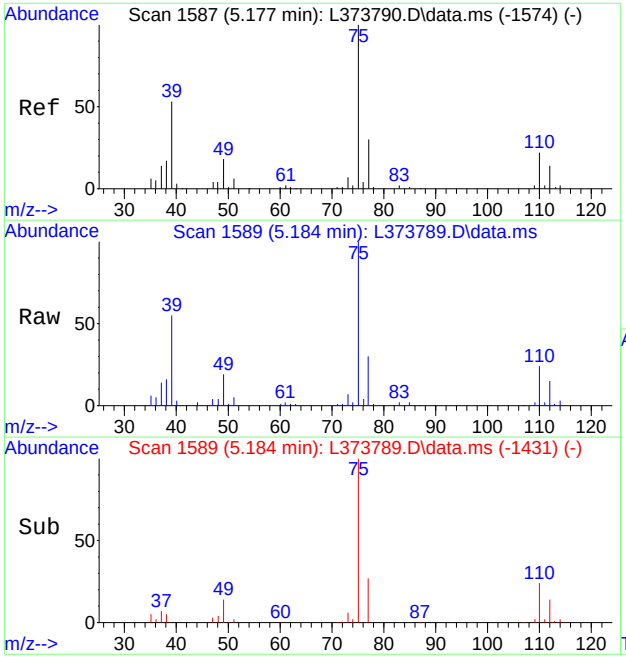


#67
bromodichloromethane
Concen: 17.88 ug/L
RT: 4.850 min Scan# 1485
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 83 Resp: 73810

Ion	Ratio	Lower	Upper
83	100		
85	59.7	31.5	91.5
127	8.8	0.0	38.3

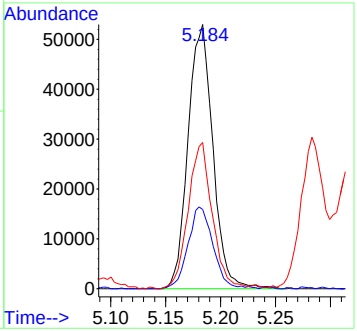


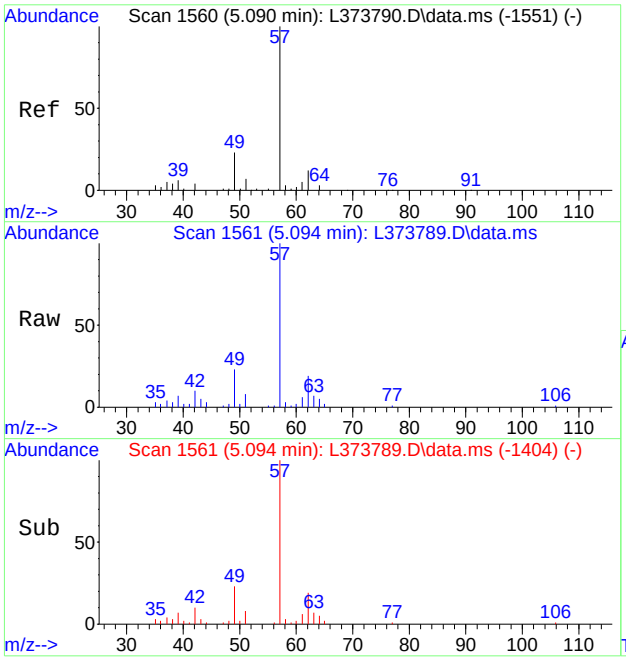


#68
cis-1,3-dichloropropene
Concen: 18.26 ug/L
RT: 5.184 min Scan# 1589
Delta R.T. 0.007 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 75 Resp: 83484

Ion	Ratio	Lower	Upper
75	100		
77	30.0	0.1	60.1
39	55.3	23.1	83.1

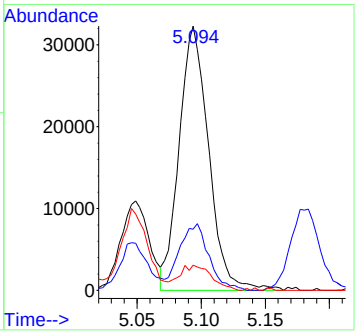


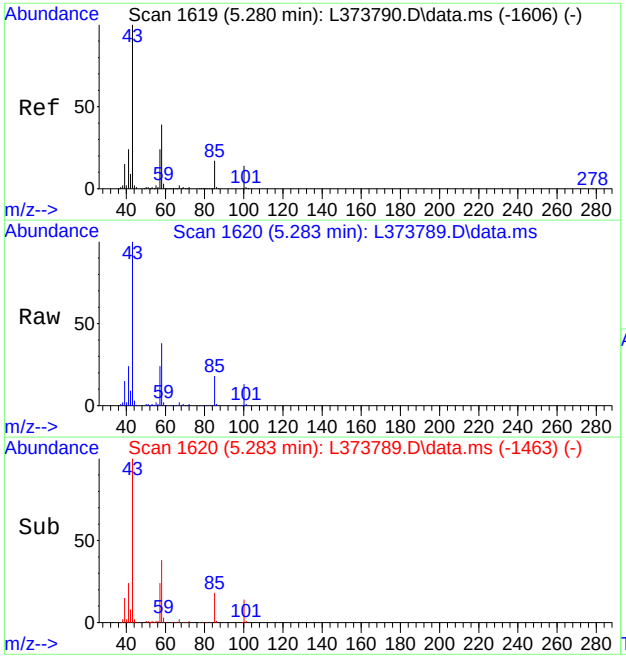


#69
epichlorohydrin
Concen: 86.30 ug/L
RT: 5.094 min Scan# 1561
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 57 Resp: 51786

Ion	Ratio	Lower	Upper
57	100		
49	18.5	1.0	41.0
42	9.5	0.0	29.5

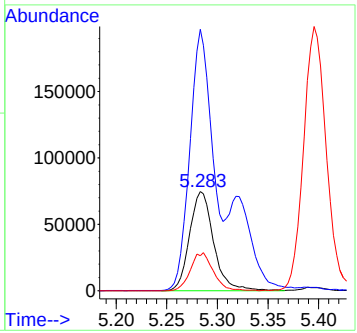


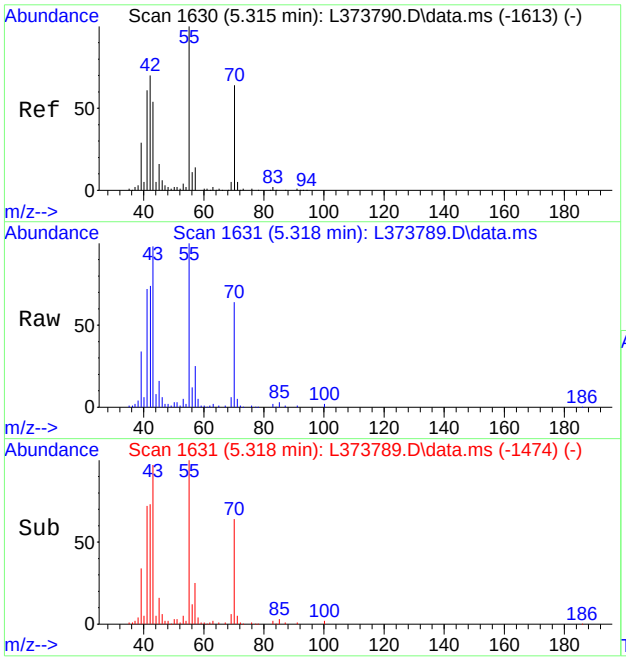


#70
4-methyl-2-pentanone
Concen: 67.09 ug/L
RT: 5.283 min Scan# 1620
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 58 Resp: 124175

Ion	Ratio	Lower	Upper
58	100		
43	263.0	233.3	273.3
100	35.4	15.2	55.2

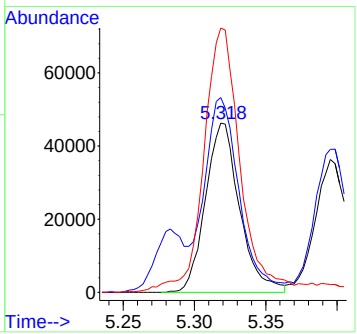


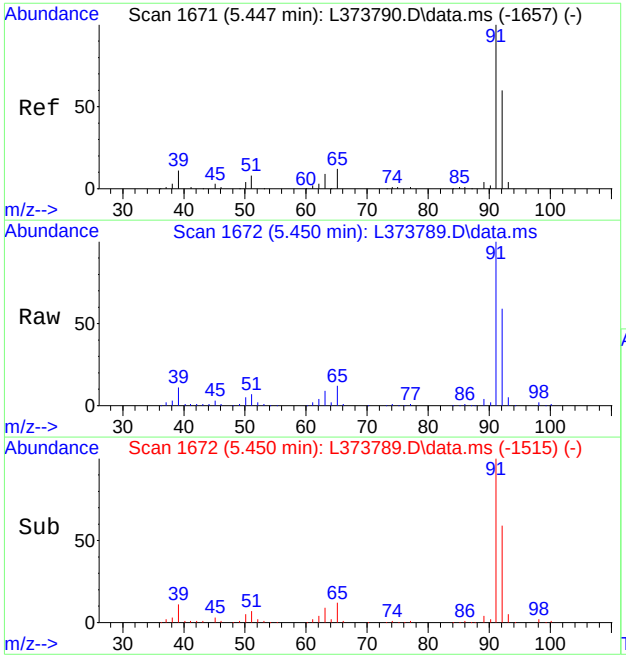


#71
3-methyl-1-butanol
Concen: 316.76 ug/L
RT: 5.318 min Scan# 1631
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 70 Resp: 77362

Ion	Ratio	Lower	Upper
70	100		
42	109.4	94.2	134.2
55	151.1	137.5	177.5

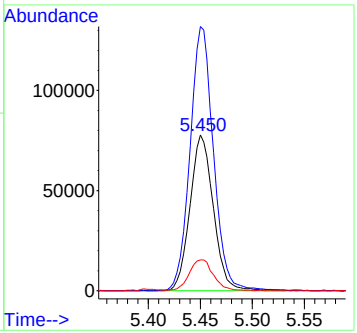


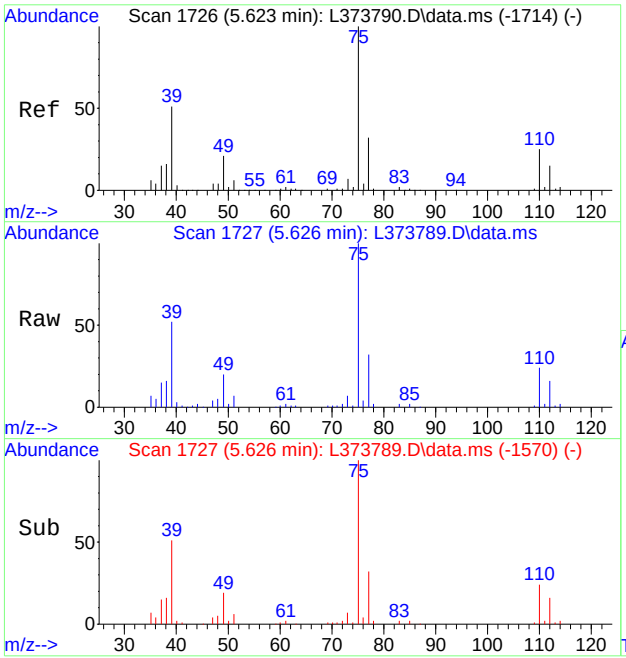


#74
toluene
Concen: 17.58 ug/L
RT: 5.450 min Scan# 1672
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 92 Resp: 121936

Ion	Ratio	Lower	Upper
92	100		
91	169.3	136.7	196.7
65	19.8	0.0	50.8

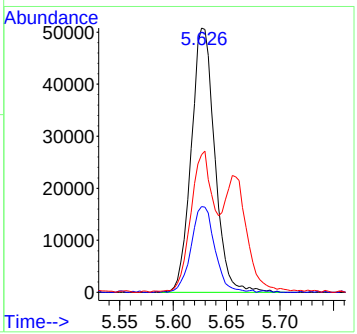


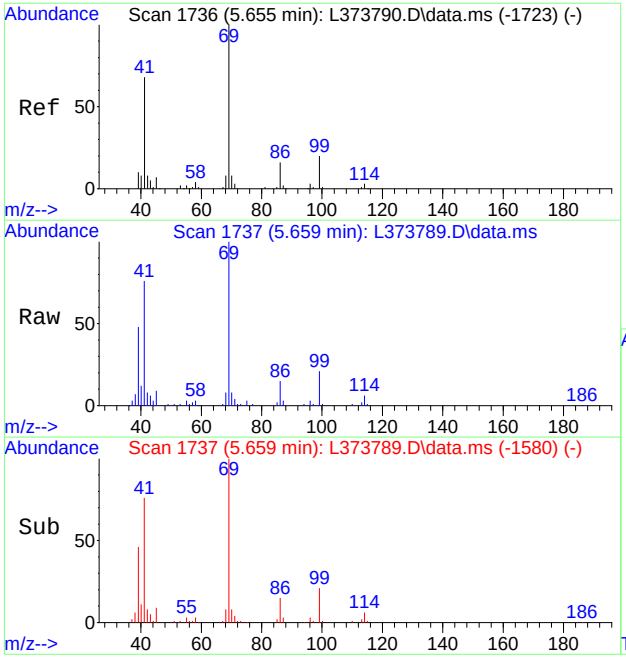


#75
trans-1,3-dichloropropene
Concen: 18.38 ug/L
RT: 5.626 min Scan# 1727
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 75 Resp: 77844

Ion	Ratio	Lower	Upper
75	100		
77	32.5	1.7	61.7
39	51.6	20.7	80.7

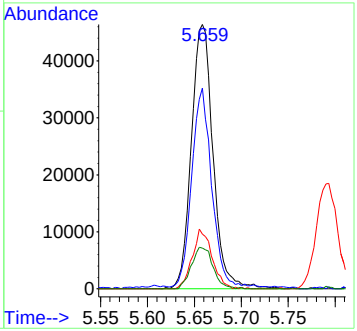


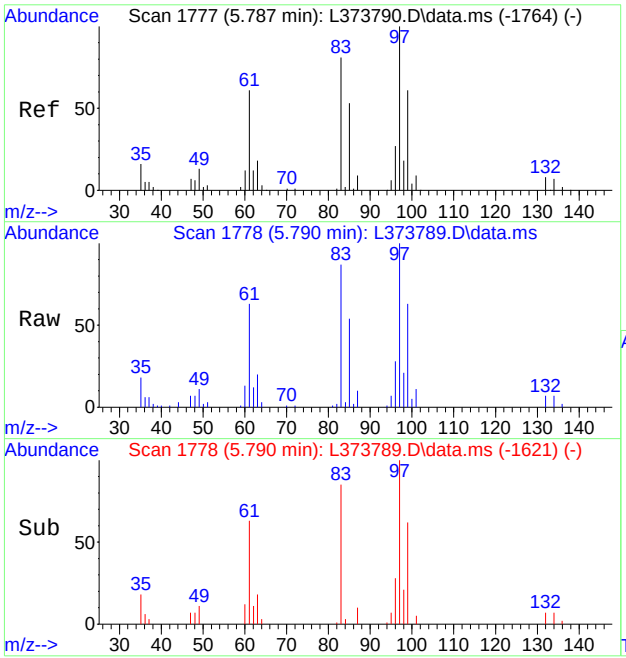


#76
ethyl methacrylate
Concen: 16.72 ug/L
RT: 5.659 min Scan# 1737
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 69 Resp: 74572

Ion	Ratio	Lower	Upper
69	100		
41	75.1	38.9	98.9
99	20.7	0.0	50.4
86	15.4	0.0	45.9

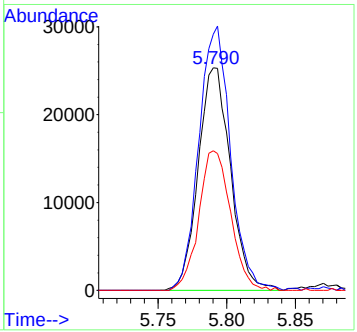


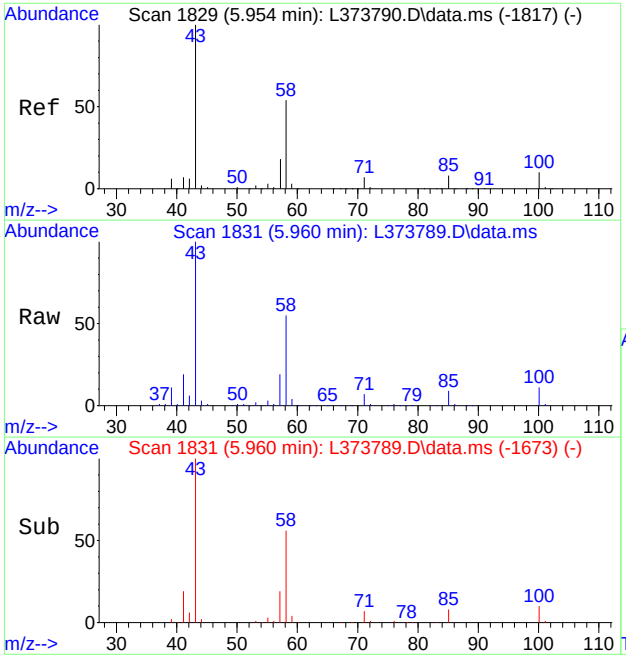


#77
1,1,2-trichloroethane
Concen: 18.15 ug/L
RT: 5.790 min Scan# 1778
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 83 Resp: 41453

Ion	Ratio	Lower	Upper
83	100		
97	115.2	93.6	153.6
85	62.7	35.4	95.4

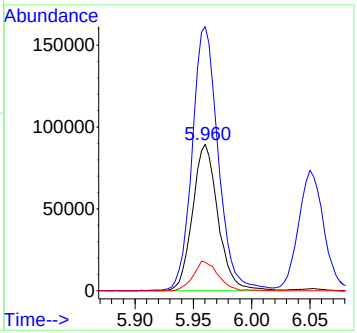


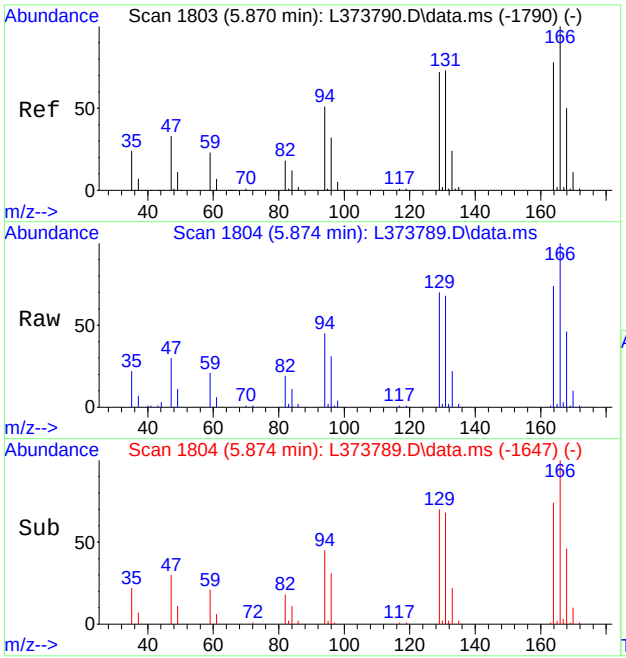


#78
2-hexanone
Concen: 67.57 ug/L
RT: 5.960 min Scan# 1831
Delta R.T. 0.007 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 58 Resp: 136314

Ion	Ratio	Lower	Upper
58	100		
43	179.8	154.6	214.6
100	19.5	0.0	49.0

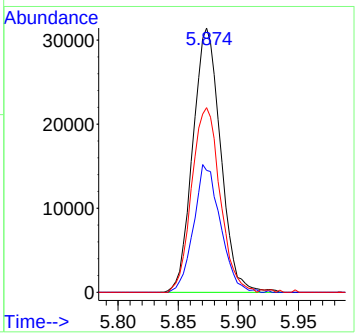


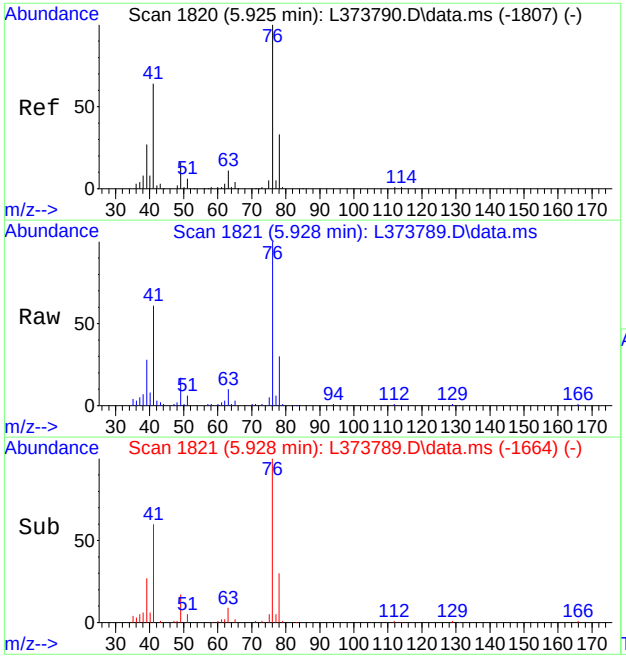


#79
tetrachloroethene
Concen: 18.43 ug/L
RT: 5.874 min Scan# 1804
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion:166 Resp: 50730

Ion	Ratio	Lower	Upper
166	100		
168	46.1	19.7	79.7
129	69.8	42.4	102.4

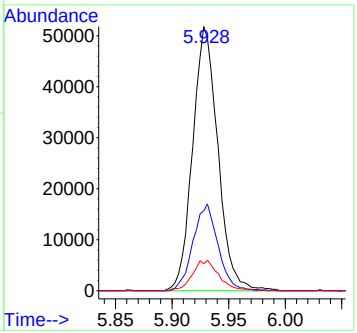


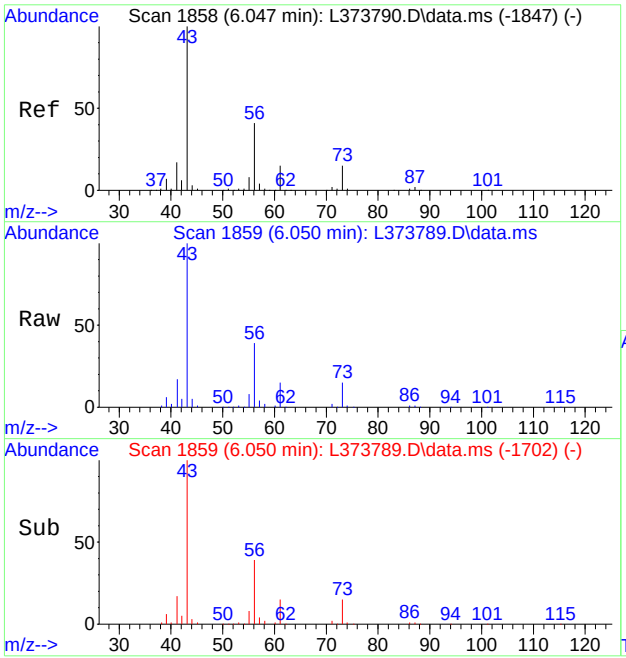


#80
1,3-dichloropropane
Concen: 18.35 ug/L
RT: 5.928 min Scan# 1821
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 76 Resp: 80323

Ion	Ratio	Lower	Upper
76	100		
78	30.2	2.7	62.7
63	10.2	0.0	41.2

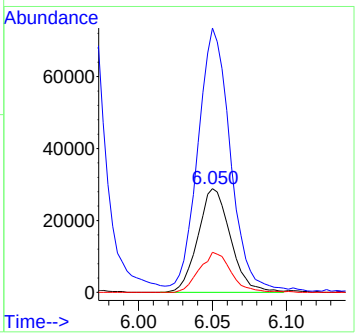


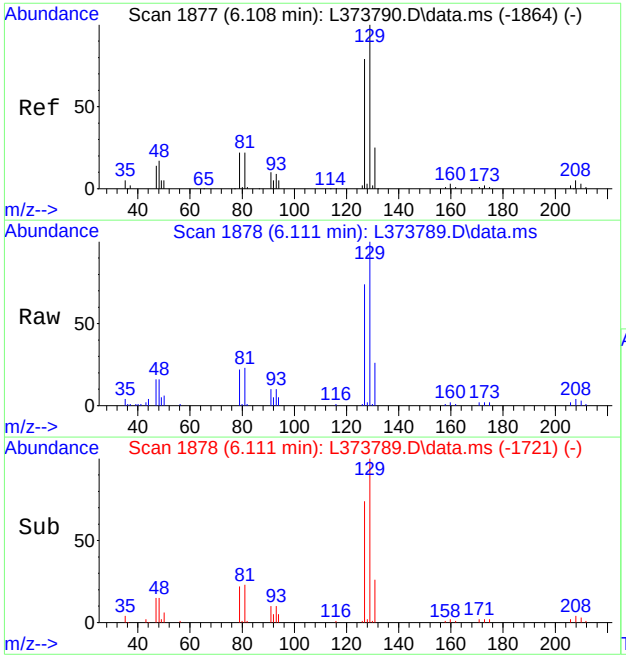


#81
butyl acetate
Concen: 16.59 ug/L
RT: 6.050 min Scan# 1859
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 56 Resp: 44153

Ion	Ratio	Lower	Upper
56	100		
43	250.7	218.3	278.3
73	38.6	7.2	67.2

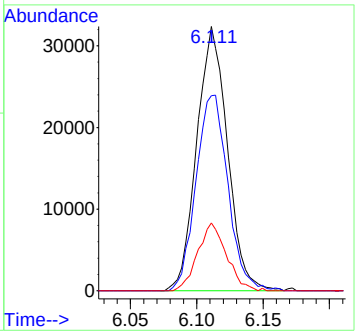


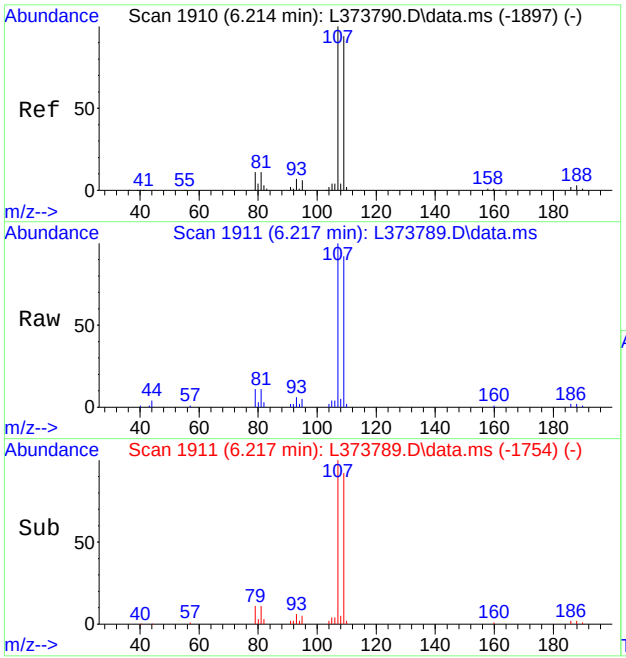


#82
dibromochloromethane
Concen: 17.56 ug/L
RT: 6.111 min Scan# 1878
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion:129 Resp: 52067

Ion	Ratio	Lower	Upper
129	100		
127	73.7	49.0	109.0
131	25.6	0.0	54.6

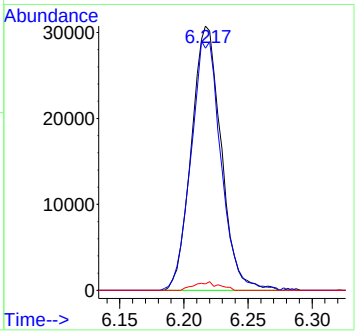


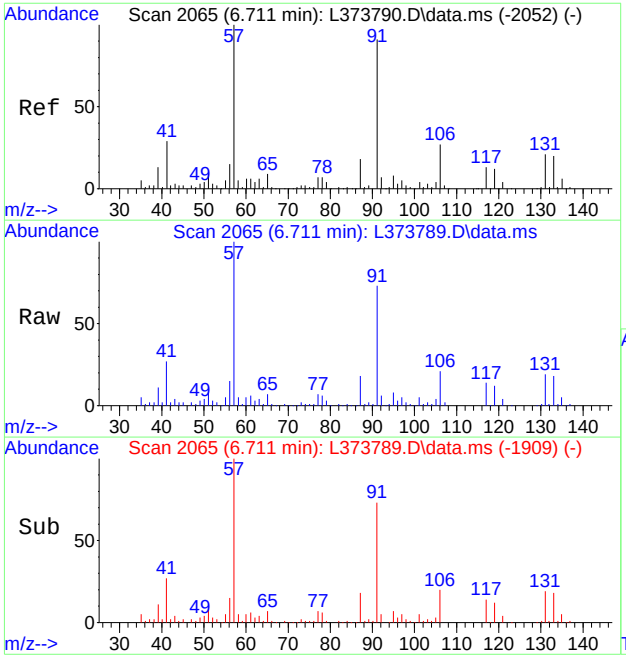


#83
1,2-dibromoethane
Concen: 18.01 ug/L
RT: 6.217 min Scan# 1911
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion:107 Resp: 49746

Ion	Ratio	Lower	Upper
107	100		
109	91.6	63.9	123.9
188	2.5	0.0	33.4

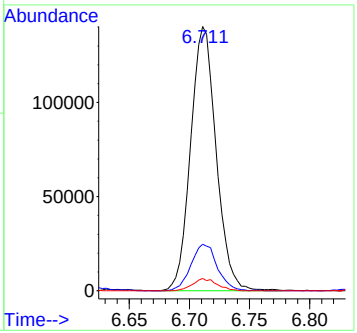


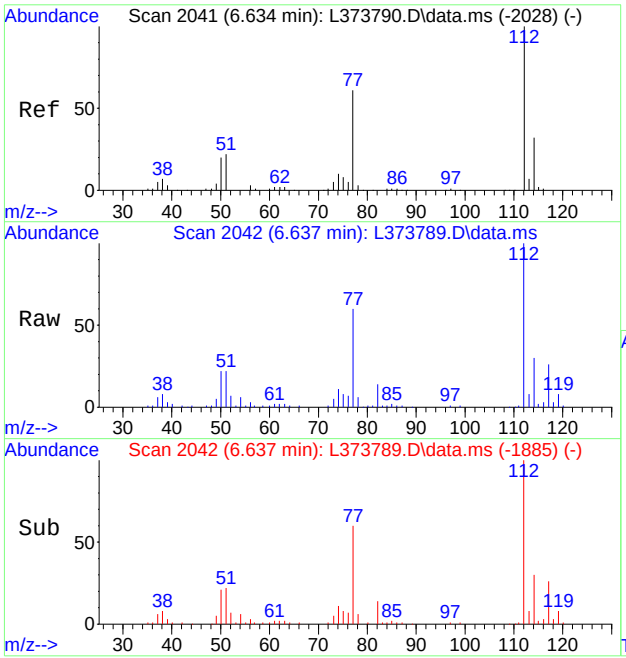


#84
n-butyl ether
Concen: 17.67 ug/L
RT: 6.711 min Scan# 2065
Delta R.T. 0.000 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 57 Resp: 207653

Ion	Ratio	Lower	Upper
57	100		
87	17.6	0.0	47.8
101	4.7	0.0	34.2

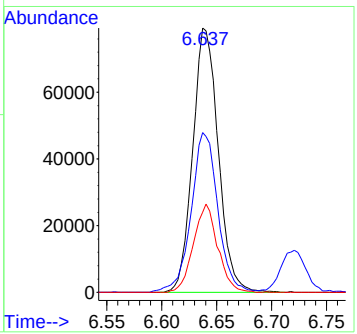




#85
chlorobenzene
Concen: 17.42 ug/L
RT: 6.637 min Scan# 2042
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

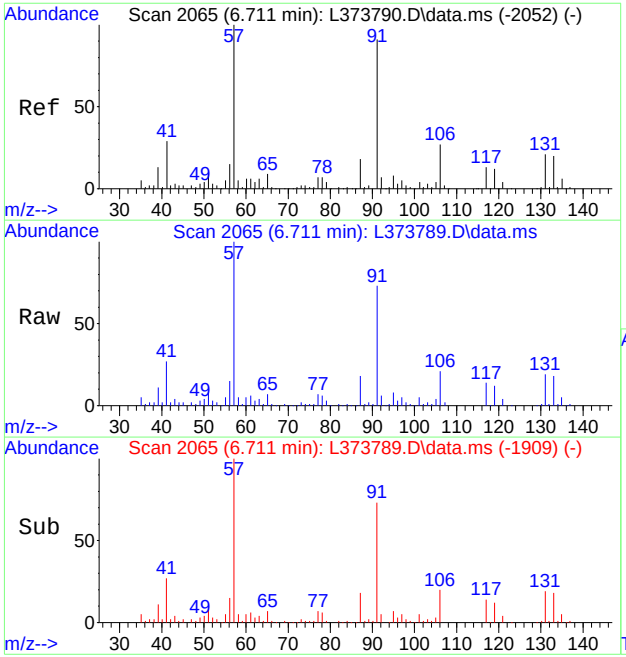
Tgt Ion:112 Resp: 128022

Ion	Ratio	Lower	Upper
112	100		
77	59.4	30.8	90.8
114	30.3	2.4	62.4



7.6.7

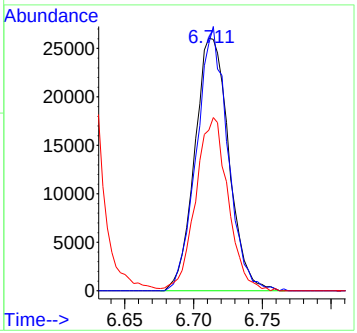
7

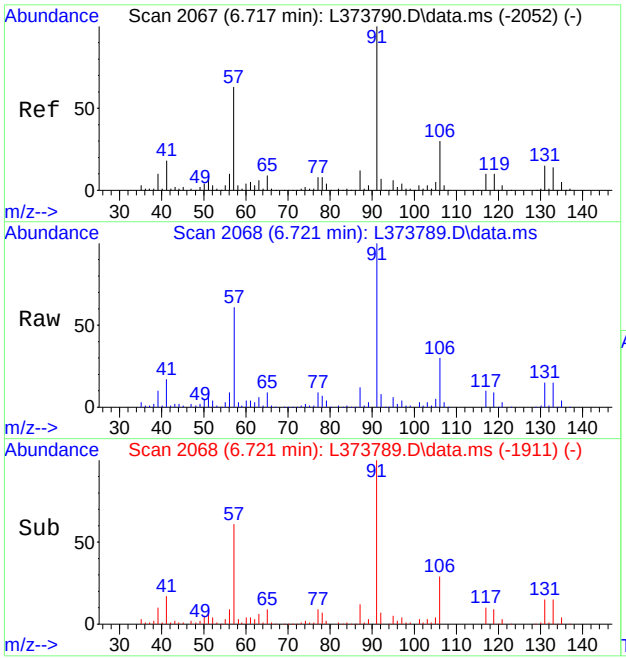


#86
1,1,1,2-tetrachloroethane
Concen: 18.81 ug/L
RT: 6.711 min Scan# 2065
Delta R.T. 0.000 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion:131 Resp: 45017

Ion	Ratio	Lower	Upper
131	100		
133	97.9	65.1	125.1
119	63.6	30.8	90.8

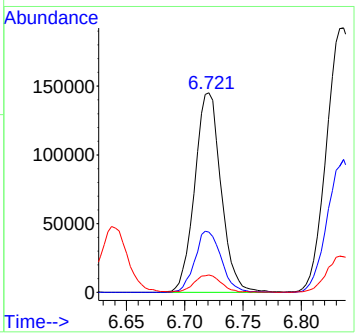


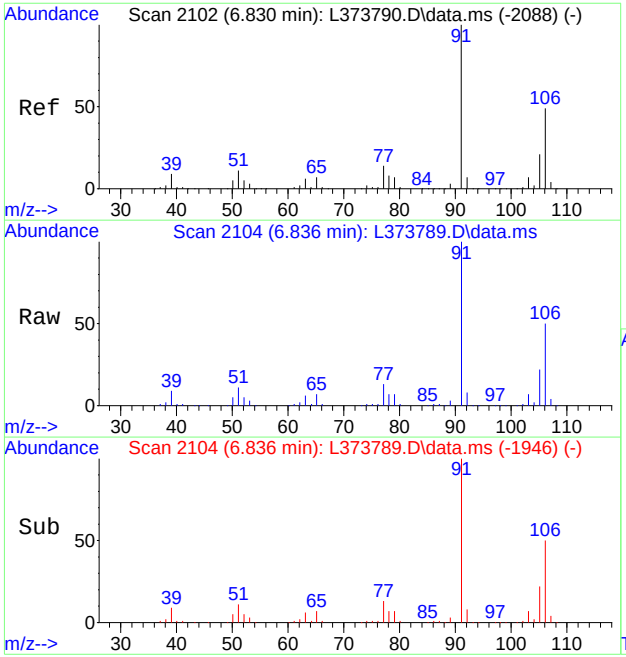


#87
ethylbenzene
Concen: 18.03 ug/L
RT: 6.721 min Scan# 2068
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 91 Resp: 228625

Ion	Ratio	Lower	Upper
91	100		
106	30.2	0.1	60.1
77	8.5	0.0	38.6

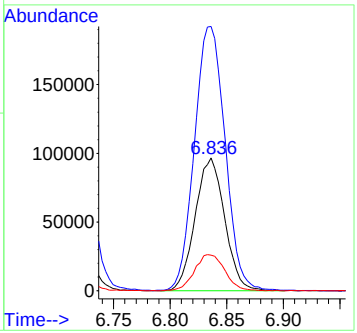


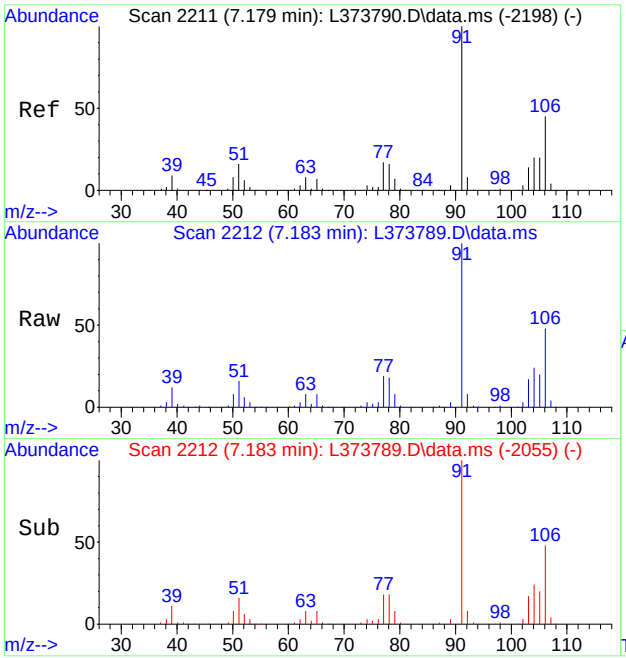


#88
m,p-xylene
Concen: 35.51 ug/L
RT: 6.836 min Scan# 2104
Delta R.T. 0.007 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion:106 Resp: 174844

Ion	Ratio	Lower	Upper
106	100		
91	198.7	175.7	235.7
77	26.8	8.1	48.1

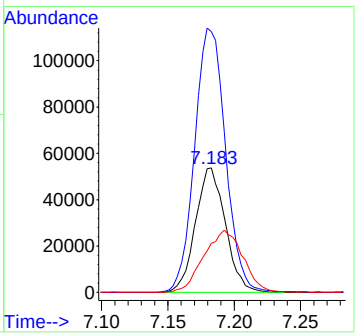


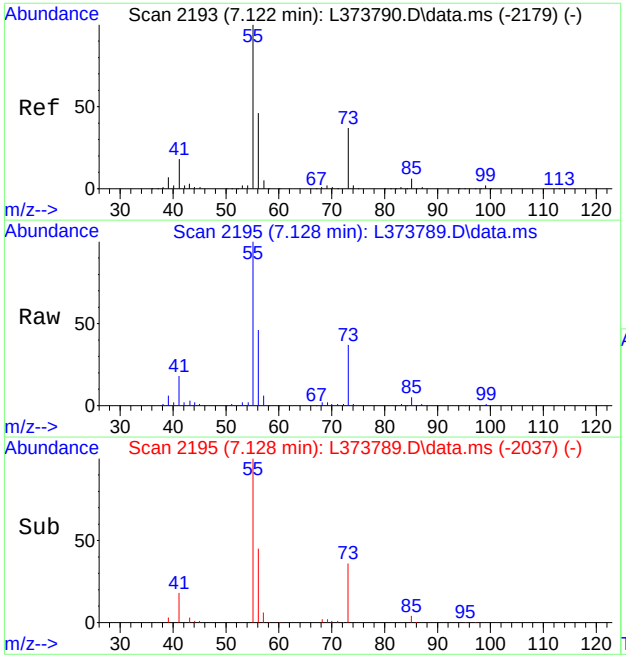


#89
o-xylene
Concen: 17.43 ug/L
RT: 7.183 min Scan# 2212
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion:106 Resp: 84223

Ion	Ratio	Lower	Upper
106	100		
91	209.2	194.5	254.5
77	39.5	18.1	58.1

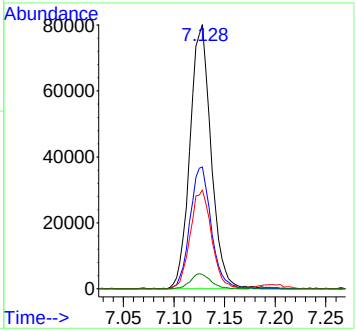


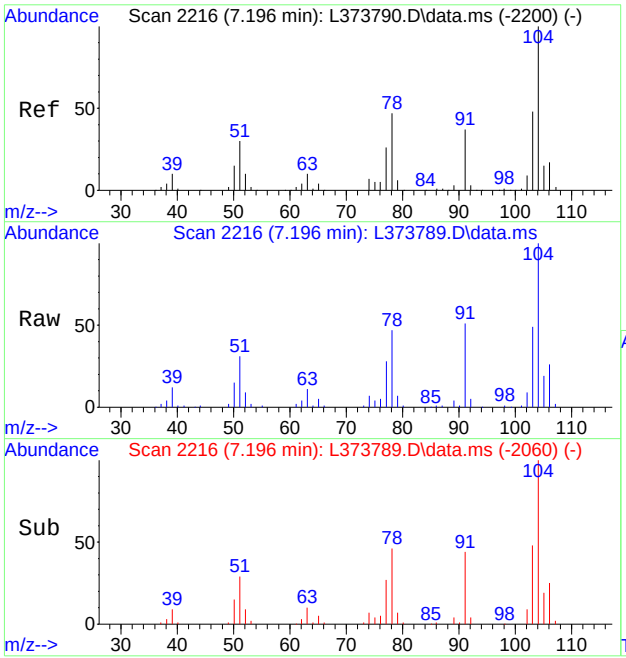


#90
butyl acrylate
Concen: 16.20 ug/L
RT: 7.128 min Scan# 2195
Delta R.T. 0.007 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 55 Resp: 116919

Ion	Ratio	Lower	Upper
55	100		
56	46.1	26.3	66.3
73	37.4	17.5	57.5
85	5.4	0.0	25.6

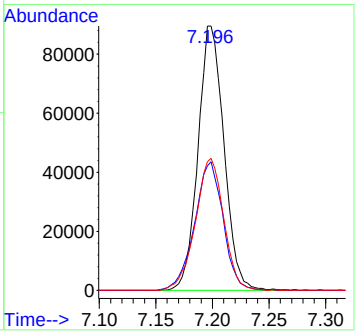


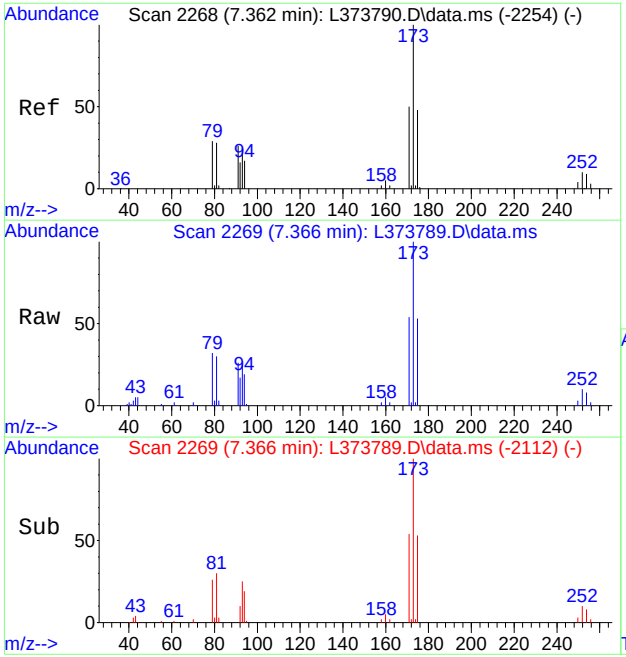


#91
styrene
Concen: 17.81 ug/L
RT: 7.196 min Scan# 2216
Delta R.T. 0.000 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion:104 Resp: 142796

Ion	Ratio	Lower	Upper
104	100		
78	46.7	16.8	76.8
103	48.6	17.7	77.7

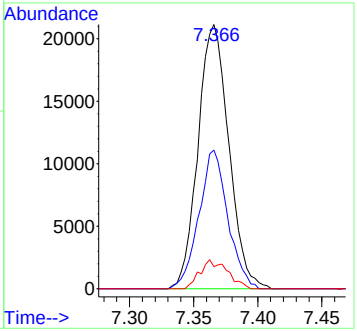


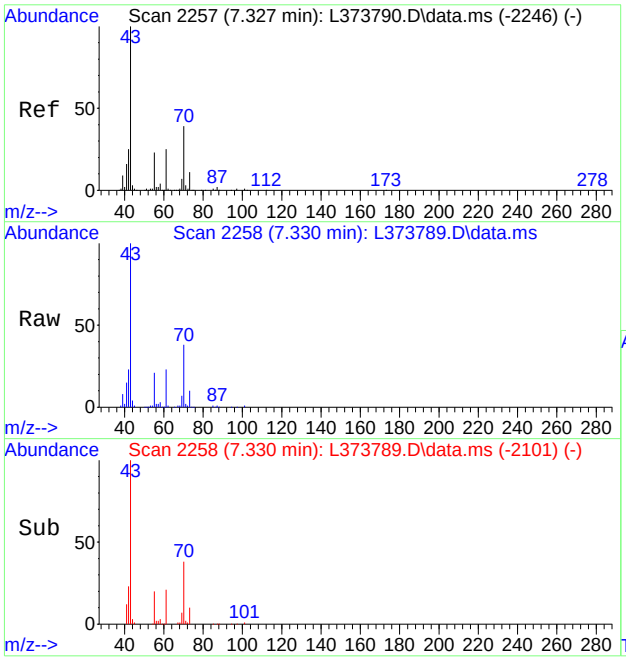


#92
bromoform
Concen: 16.92 ug/L
RT: 7.366 min Scan# 2269
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion:173 Resp: 35376

Ion	Ratio	Lower	Upper
173	100		
175	52.5	17.8	77.8
254	8.4	0.0	39.4

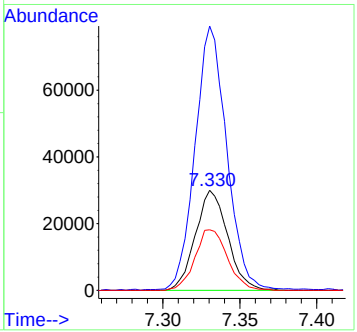


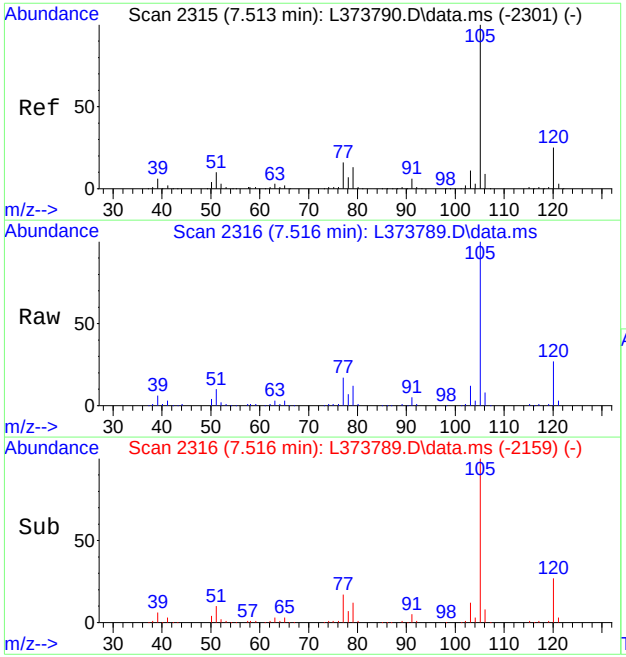


#93
n-amyl acetate
Concen: 16.13 ug/L
RT: 7.330 min Scan# 2258
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 70 Resp: 43756

Ion	Ratio	Lower	Upper
70	100		
43	263.4	233.4	273.4
61	60.7	42.6	82.6

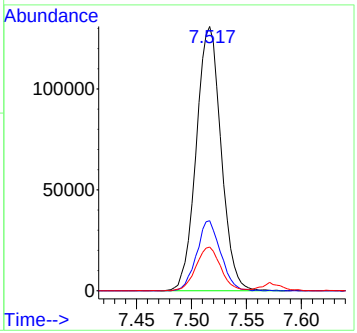


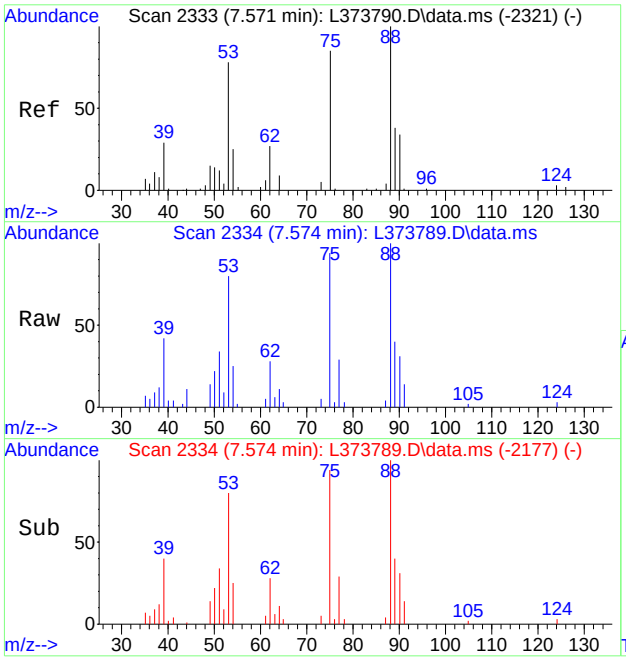


#94
isopropylbenzene
Concen: 17.88 ug/L
RT: 7.516 min Scan# 2316
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion:105 Resp: 205847

Ion	Ratio	Lower	Upper
105	100		
120	26.5	5.2	45.2
77	16.5	0.0	36.2

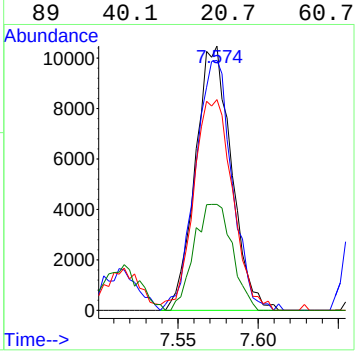


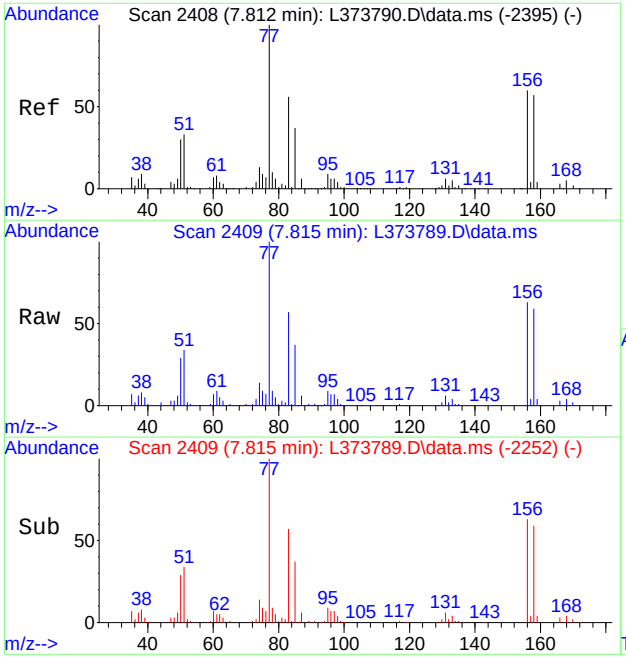


#95
cis-1,4-dichloro-2-butene
Concen: 18.52 ug/L
RT: 7.574 min Scan# 2334
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 88 Resp: 16424

Ion	Ratio	Lower	Upper
88	100		
75	94.5	66.5	106.5
53	79.7	59.7	99.7
89	40.1	20.7	60.7

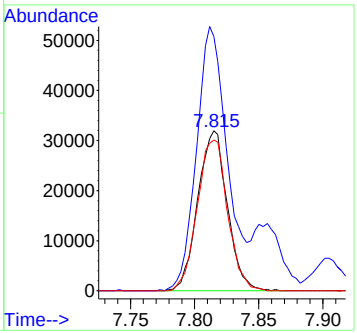


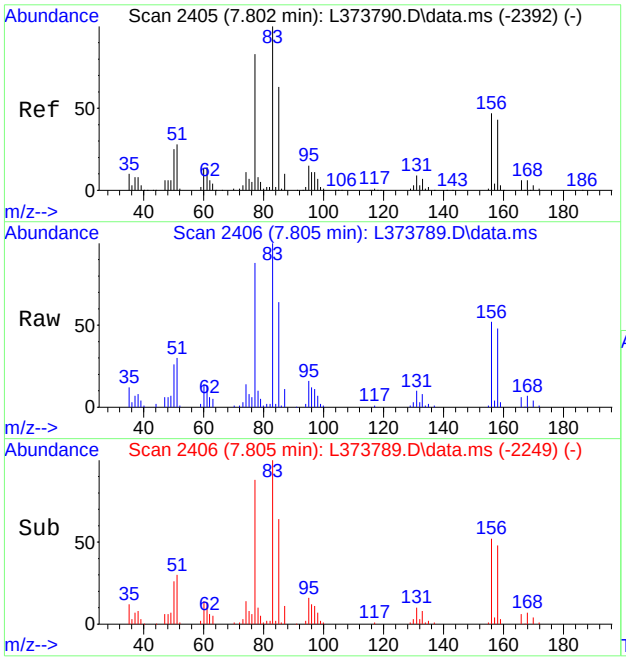


#98
bromobenzene
Concen: 17.66 ug/L
RT: 7.815 min Scan# 2409
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion:156 Resp: 51252

Ion	Ratio	Lower	Upper
156	100		
77	158.2	137.0	197.0
158	94.3	65.5	125.5

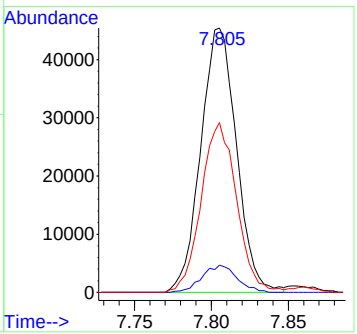


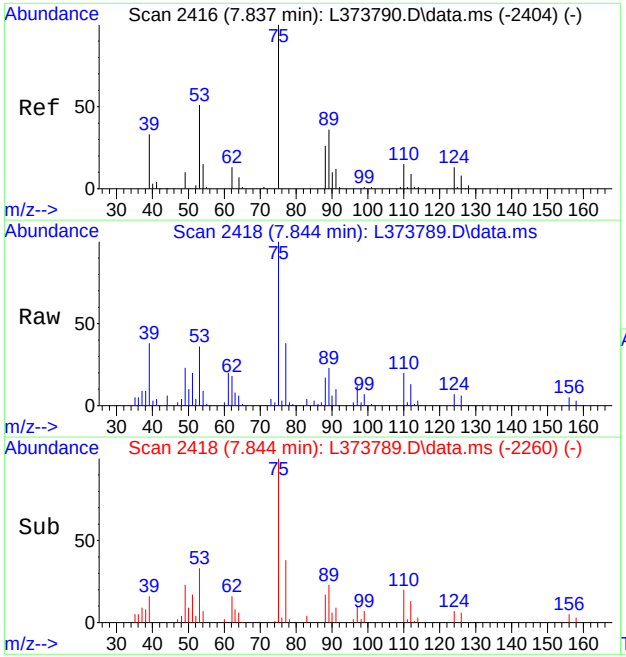


#99
1,1,2,2-tetrachloroethane
Concen: 16.47 ug/L
RT: 7.805 min Scan# 2406
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 83 Resp: 73473

Ion	Ratio	Lower	Upper
83	100		
131	10.3	0.0	38.9
85	64.2	33.3	93.3

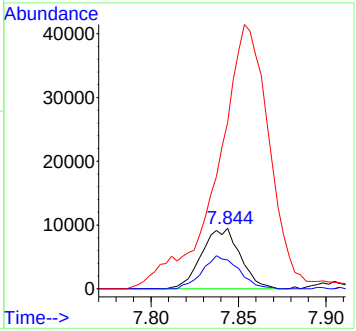


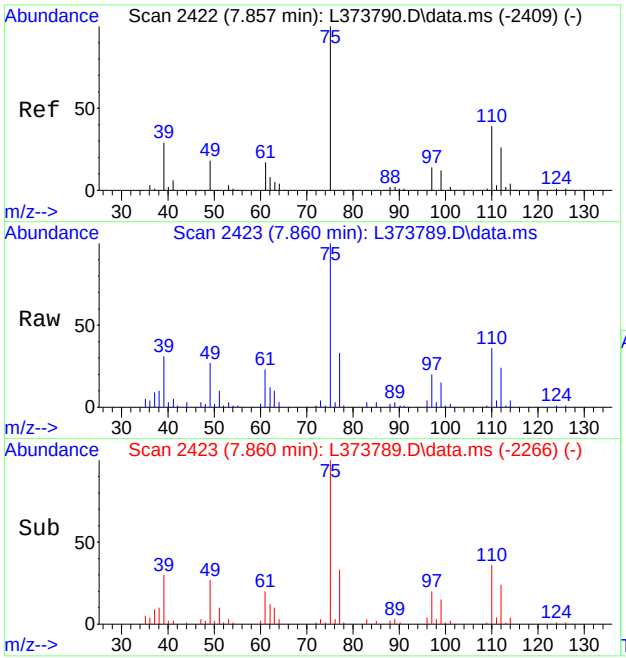


#100
trans-1,4-dichloro-2-butene
Concen: 18.13 ug/L
RT: 7.844 min Scan# 2418
Delta R.T. 0.007 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 53 Resp: 14539

Ion	Ratio	Lower	Upper
53	100		
88	47.8	21.0	81.0
75	234.3	165.8	225.8#

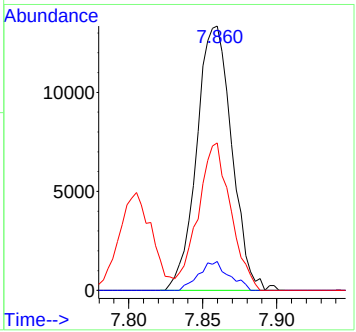


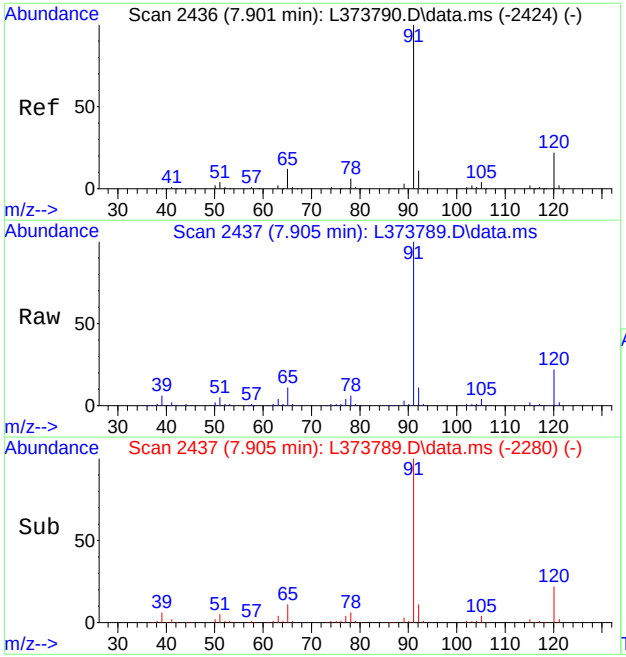


#101
1,2,3-trichloropropane
Concen: 16.41 ug/L
RT: 7.860 min Scan# 2423
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion:110 Resp: 22027

Ion	Ratio	Lower	Upper
110	100		
111	10.9	0.0	38.4
97	55.7	22.5	82.5

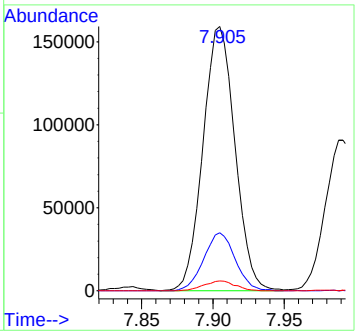


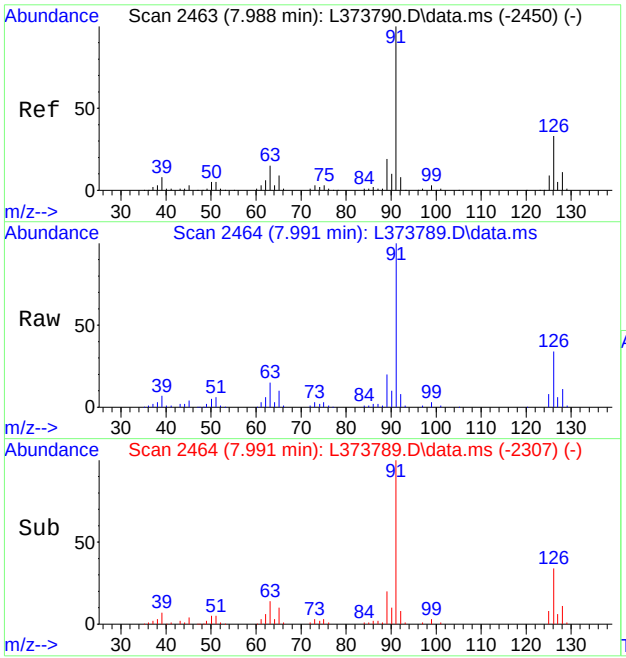


#102
n-propylbenzene
Concen: 17.98 ug/L
RT: 7.905 min Scan# 2437
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 91 Resp: 249406

Ion	Ratio	Lower	Upper
91	100		
120	21.9	0.0	51.5
105	3.7	0.0	33.7

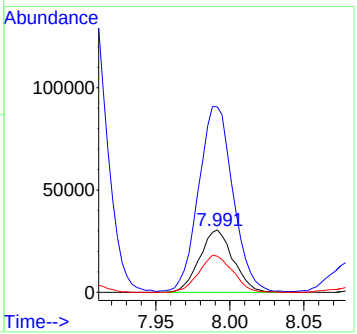


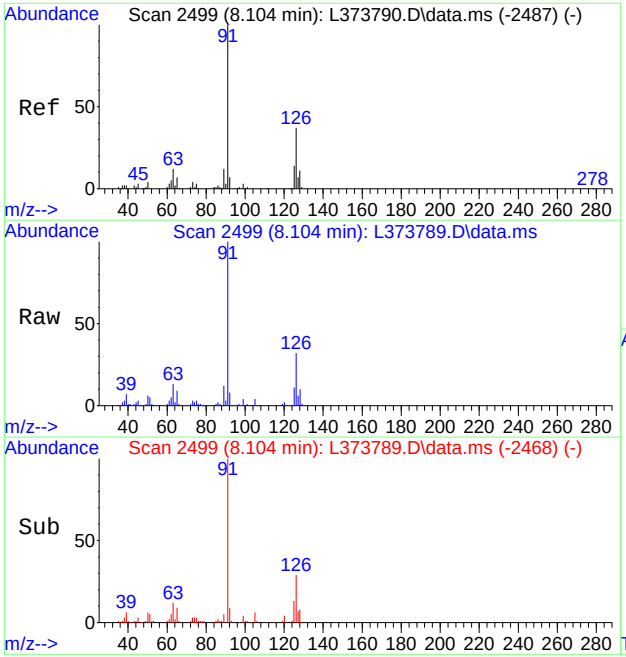


#103
2-chlorotoluene
Concen: 17.72 ug/L
RT: 7.991 min Scan# 2464
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion:126 Resp: 48157

Ion	Ratio	Lower	Upper
126	100		
91	294.9	276.4	336.4
89	57.9	28.8	88.8

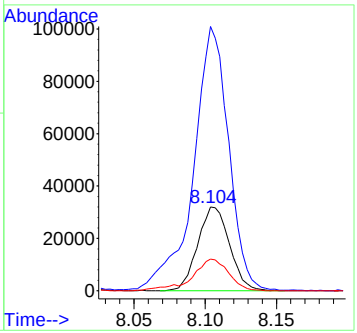


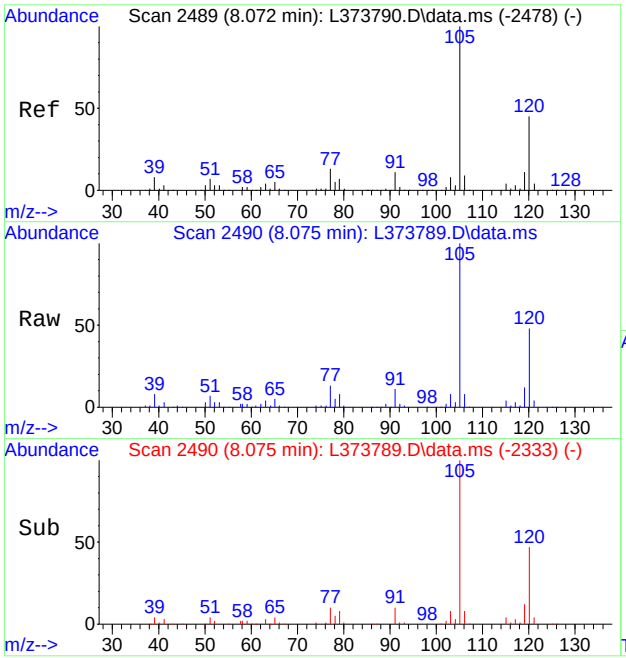


#104
4-chlorotoluene
Concen: 17.10 ug/L
RT: 8.104 min Scan# 2499
Delta R.T. 0.000 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion:126 Resp: 49762

Ion	Ratio	Lower	Upper
126	100		
91	314.9	265.5	325.5
89	37.8	5.5	65.5

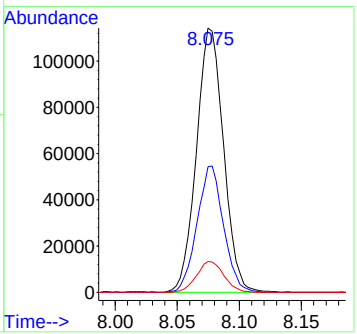


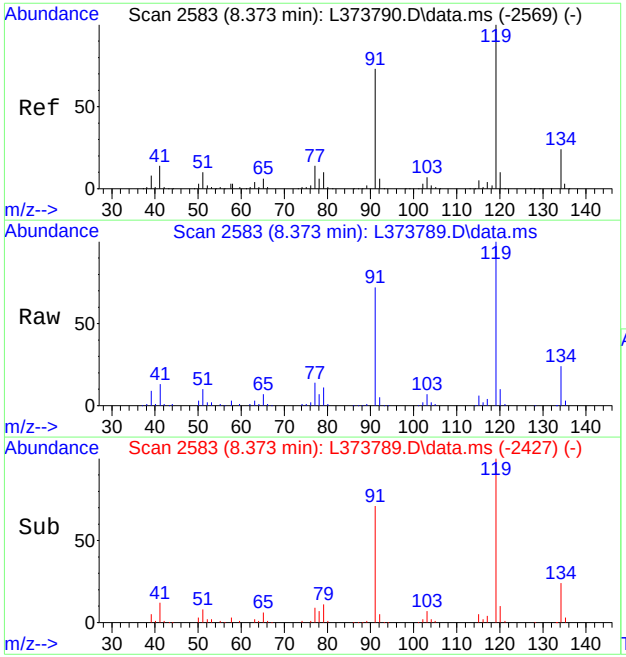


#105
1,3,5-trimethylbenzene
Concen: 18.02 ug/L
RT: 8.075 min Scan# 2490
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion:105 Resp: 173904

Ion	Ratio	Lower	Upper
105	100		
120	47.5	14.9	74.9
119	11.7	0.0	40.8

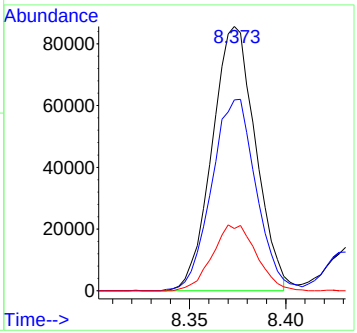


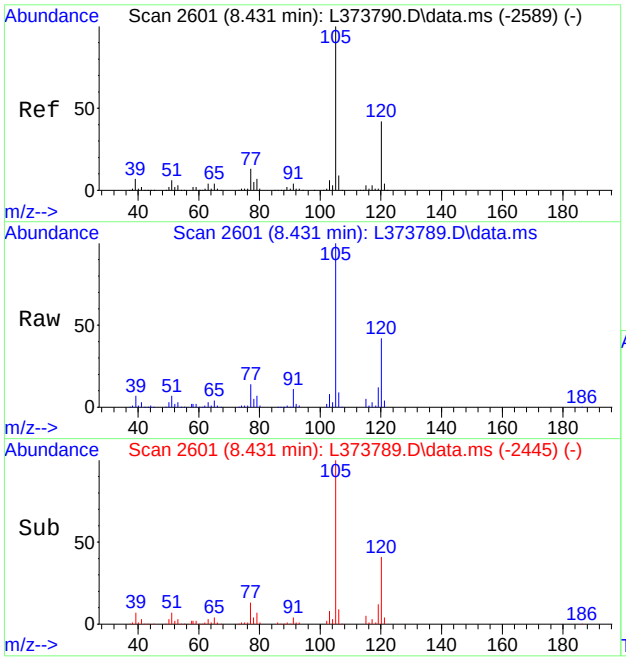


#106
tert-butylbenzene
Concen: 17.46 ug/L
RT: 8.373 min Scan# 2583
Delta R.T. 0.000 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion:119 Resp: 134422

Ion	Ratio	Lower	Upper
119	100		
91	72.2	42.9	102.9
134	23.6	0.0	54.4

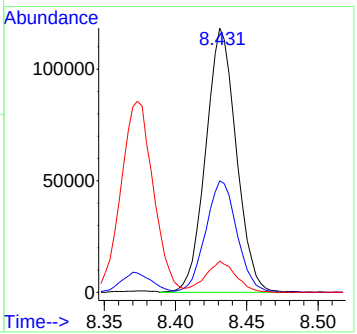


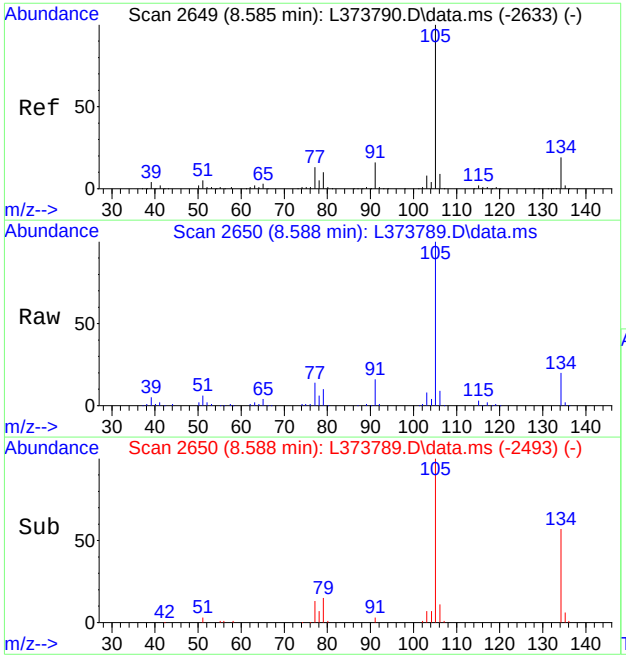


#107
1,2,4-trimethylbenzene
Concen: 18.15 ug/L
RT: 8.431 min Scan# 2601
Delta R.T. 0.000 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion:105 Resp: 176377

Ion	Ratio	Lower	Upper
105	100		
120	42.2	13.1	73.1
119	11.9	0.0	41.9

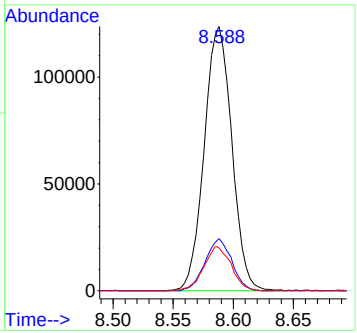


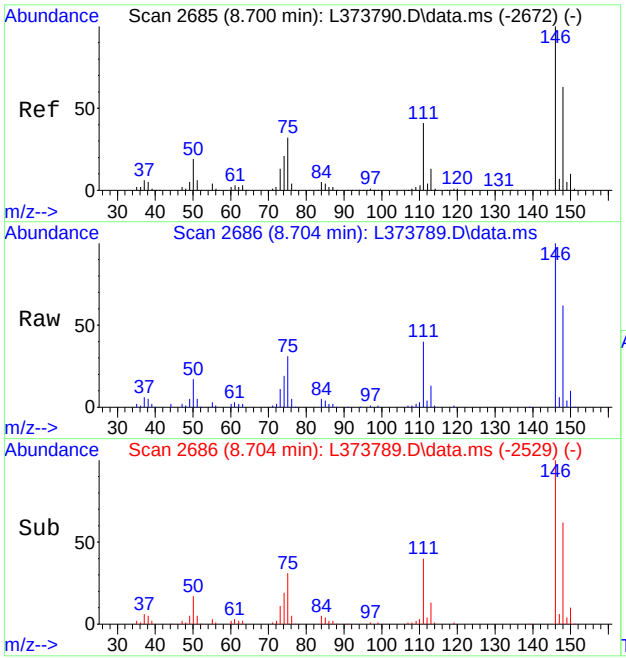


#108
sec-butylbenzene
Concen: 17.91 ug/L
RT: 8.588 min Scan# 2650
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion:105 Resp: 197633

Ion	Ratio	Lower	Upper
105	100		
134	19.7	0.0	48.8
91	16.3	0.0	45.9

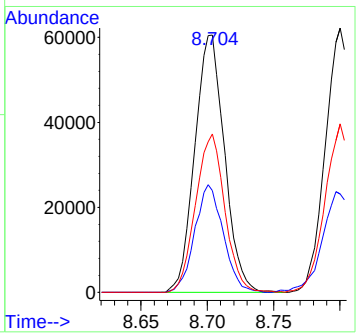


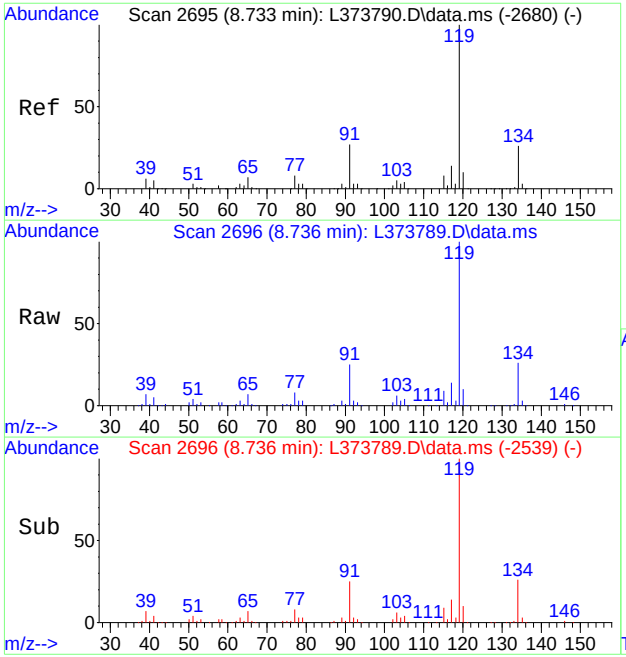


#109
1,3-dichlorobenzene
Concen: 17.53 ug/L
RT: 8.704 min Scan# 2686
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion:146 Resp: 94511

Ion	Ratio	Lower	Upper
146	100		
111	39.6	11.0	71.0
148	61.6	33.0	93.0

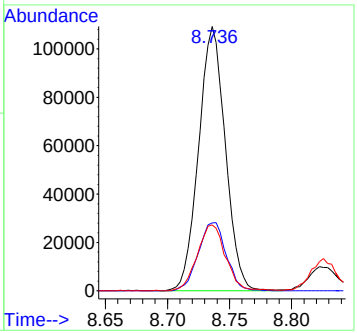


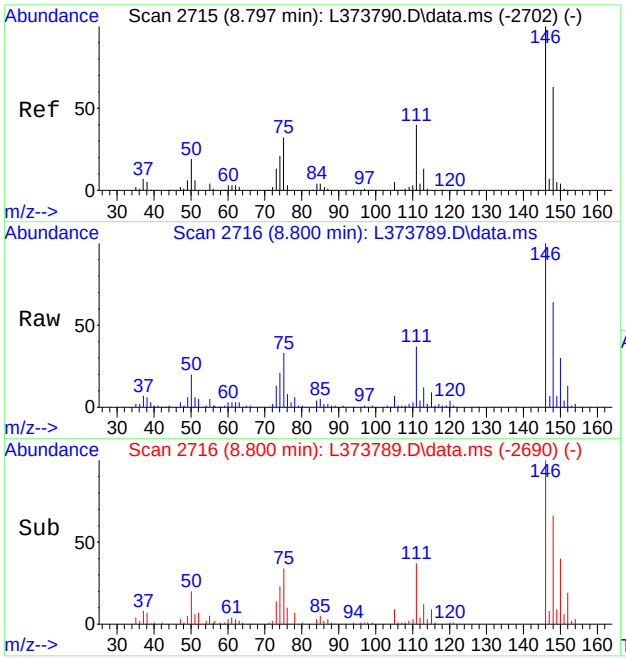


#110
p-isopropyltoluene
Concen: 17.93 ug/L
RT: 8.736 min Scan# 2696
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion:119 Resp: 163551

Ion	Ratio	Lower	Upper
119	100		
134	25.7	0.0	56.5
91	24.9	0.0	56.9

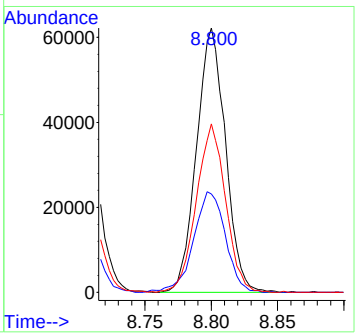


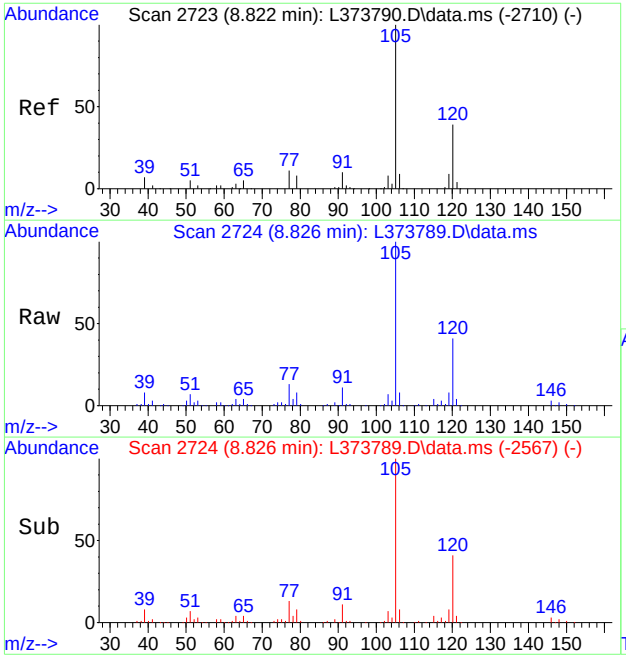


#111
1,4-dichlorobenzene
Concen: 16.86 ug/L
RT: 8.800 min Scan# 2716
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion:146 Resp: 94631

Ion	Ratio	Lower	Upper
146	100		
111	37.2	9.7	69.7
148	63.3	33.0	93.0

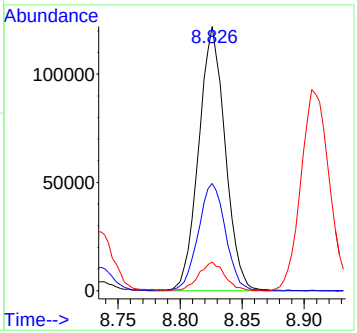


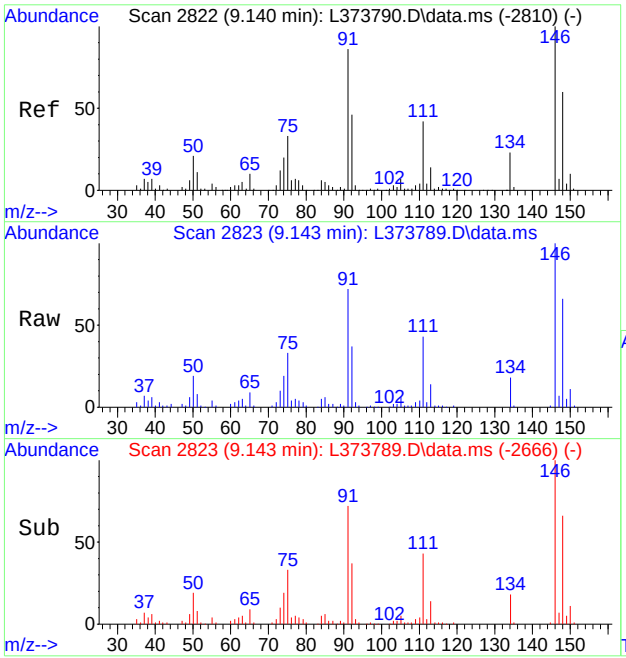


#112
1,2,3-trimethylbenzene
Concen: 17.35 ug/L
RT: 8.826 min Scan# 2724
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion:105 Resp: 180890

Ion	Ratio	Lower	Upper
105	100		
120	40.6	8.8	68.8
91	10.6	0.0	40.2

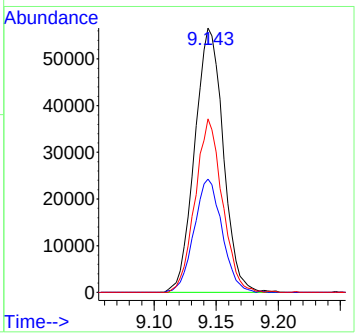


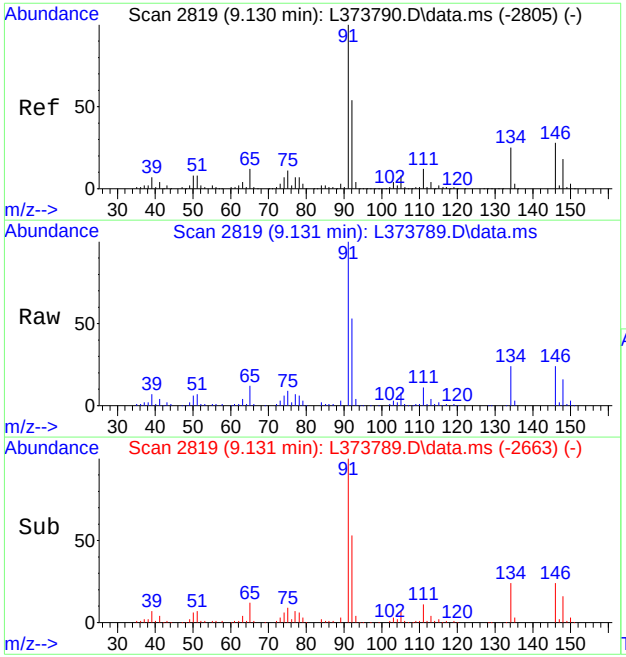


#113
1,2-dichlorobenzene
Concen: 17.44 ug/L
RT: 9.143 min Scan# 2823
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion:146 Resp: 90404

Ion	Ratio	Lower	Upper
146	100		
111	42.8	12.1	72.1
148	65.6	30.4	90.4

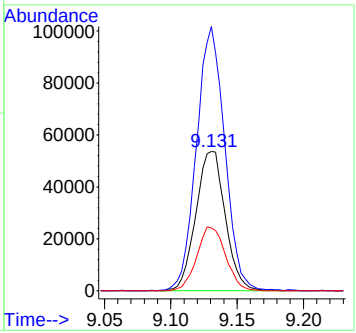


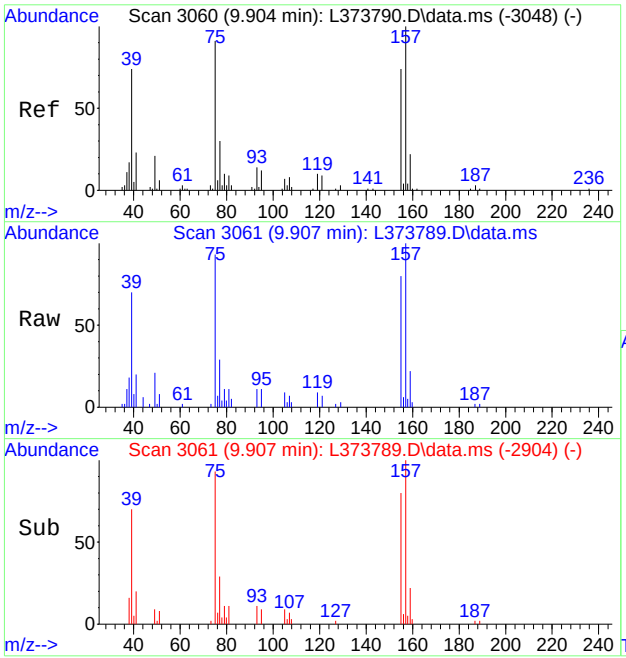


#114
n-butylbenzene
Concen: 18.50 ug/L
RT: 9.131 min Scan# 2819
Delta R.T. 0.000 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 92 Resp: 82993

Ion	Ratio	Lower	Upper
92	100		
91	189.6	155.4	215.4
134	45.1	15.6	75.6

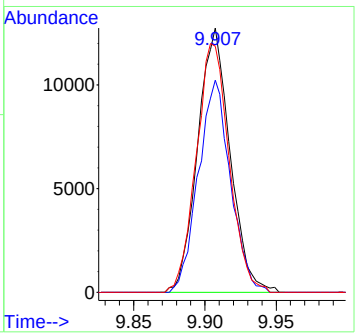


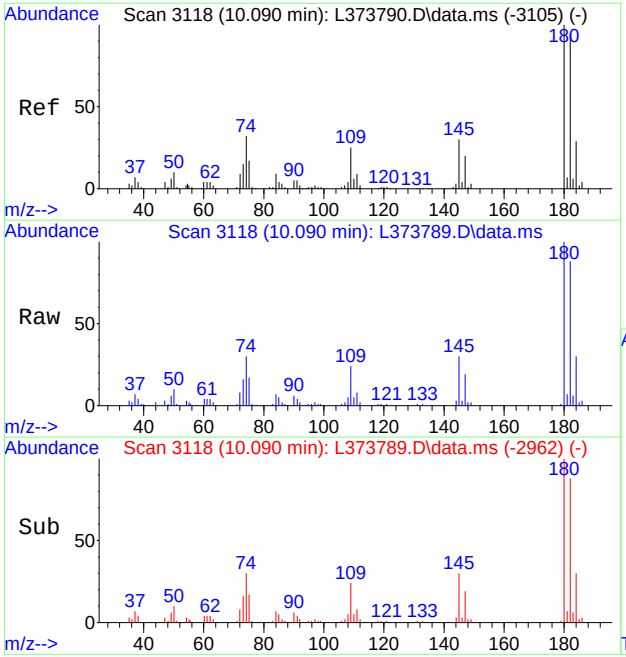


#115
1,2-dibromo-3-chloropropane
Concen: 16.98 ug/L
RT: 9.907 min Scan# 3061
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion:157 Resp: 20199

Ion	Ratio	Lower	Upper
157	100		
155	80.2	44.1	104.1
75	93.1	60.9	120.9

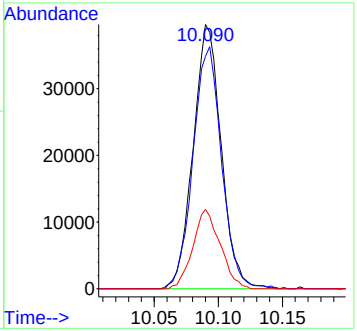


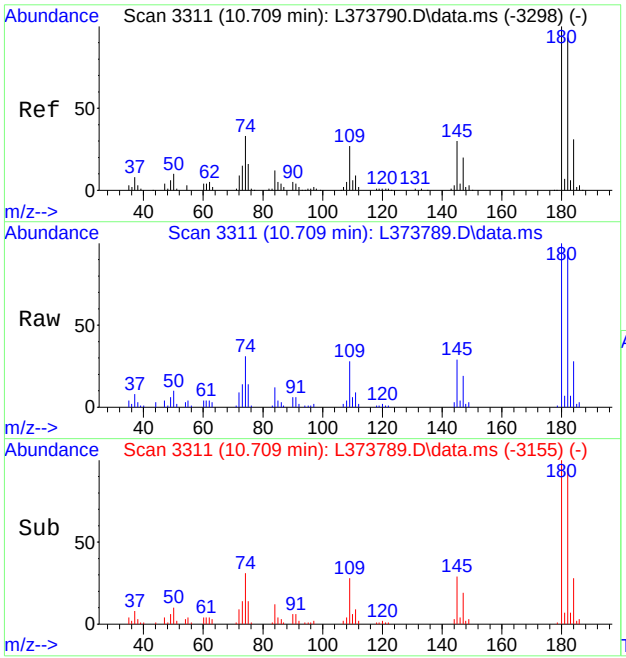


#116
1,3,5-trichlorobenzene
Concen: 18.62 ug/L
RT: 10.090 min Scan# 3118
Delta R.T. 0.000 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion:180 Resp: 60295

Ion	Ratio	Lower	Upper
180	100		
182	87.9	65.0	125.0
184	30.0	0.0	59.4

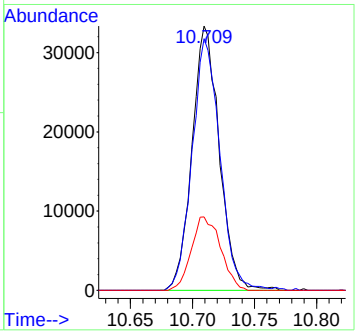


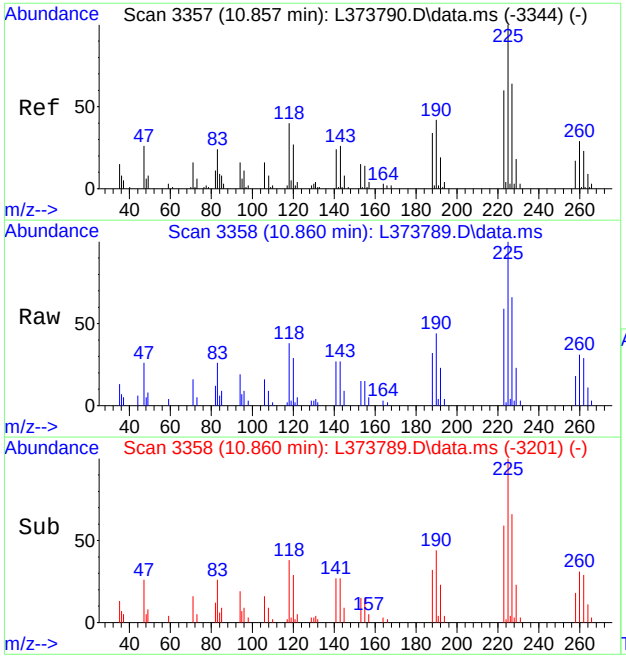


#117
1,2,4-trichlorobenzene
Concen: 17.81 ug/L
RT: 10.709 min Scan# 3311
Delta R.T. 0.000 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion:180 Resp: 50969

Ion	Ratio	Lower	Upper
180	100		
182	95.1	63.1	123.1
184	27.8	0.8	60.8

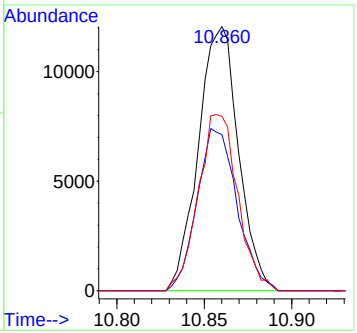


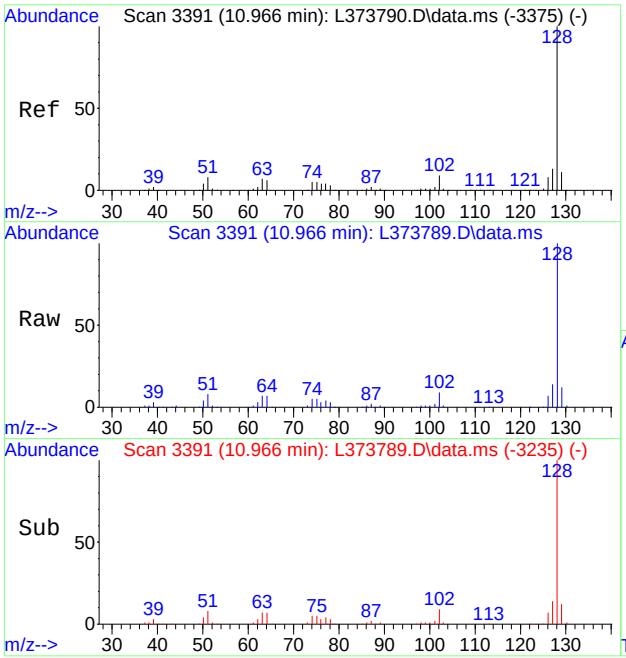


#118
hexachlorobutadiene
Concen: 17.86 ug/L
RT: 10.860 min Scan# 3358
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion:225 Resp: 19283

Ion	Ratio	Lower	Upper
225	100		
223	59.1	30.0	90.0
227	66.0	33.8	93.8

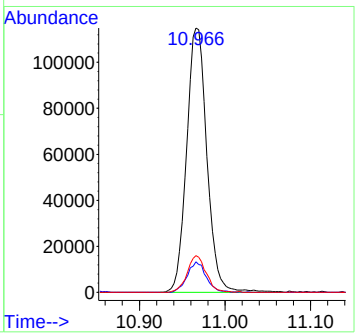


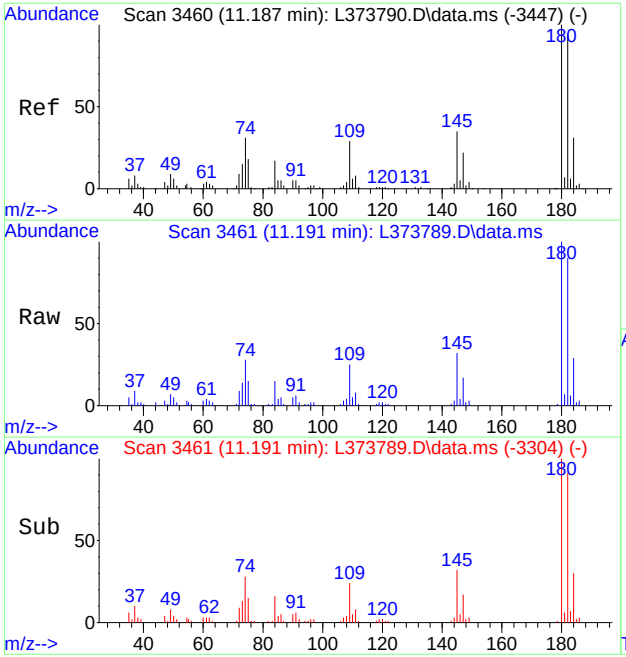


#119
naphthalene
Concen: 17.76 ug/L
RT: 10.966 min Scan# 3391
Delta R.T. 0.000 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion:128 Resp: 189801

Ion	Ratio	Lower	Upper
128	100		
129	11.6	0.0	41.1
127	13.9	0.0	42.9

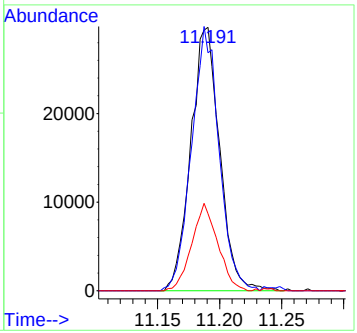


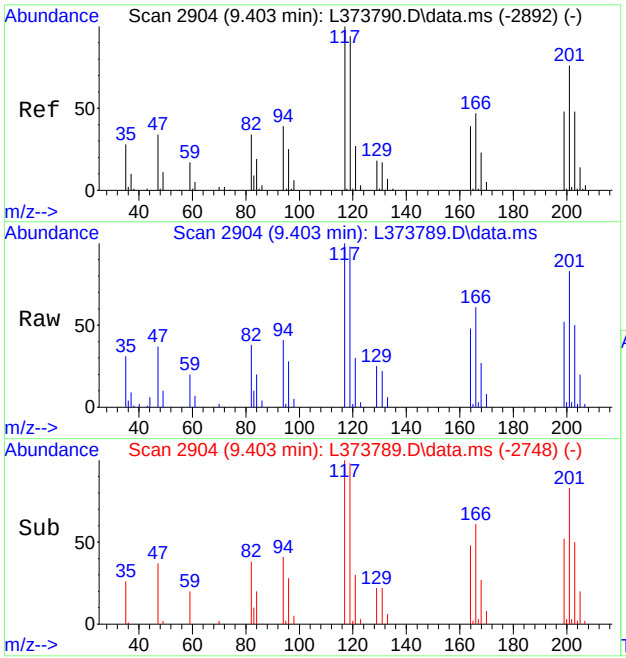


#120
1,2,3-trichlorobenzene
Concen: 17.52 ug/L
RT: 11.191 min Scan# 3461
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion:180 Resp: 48260

Ion	Ratio	Lower	Upper
180	100		
182	90.2	63.9	123.9
184	29.3	1.2	61.2

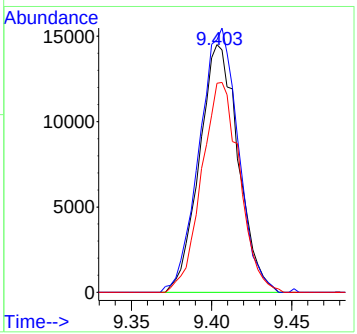


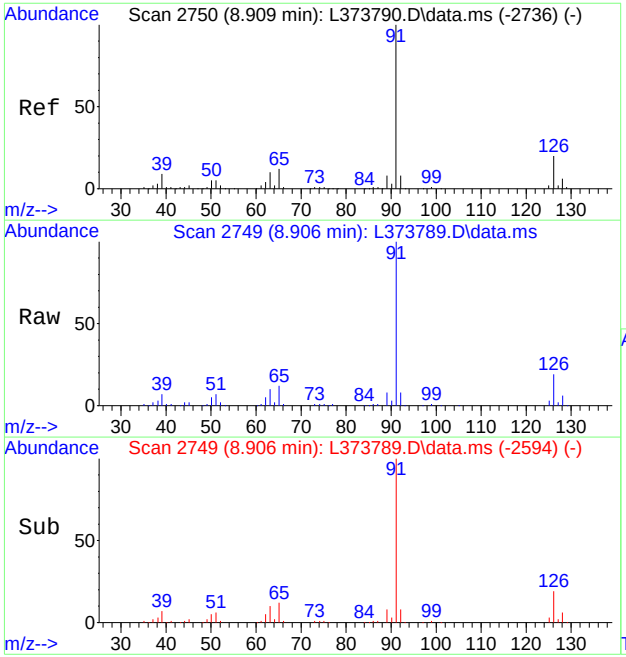


#121
hexachloroethane
Concen: 18.36 ug/L
RT: 9.403 min Scan# 2904
Delta R.T. 0.000 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion:119 Resp: 24441

Ion	Ratio	Lower	Upper
119	100		
117	101.9	76.2	136.2
201	84.4	51.2	111.2

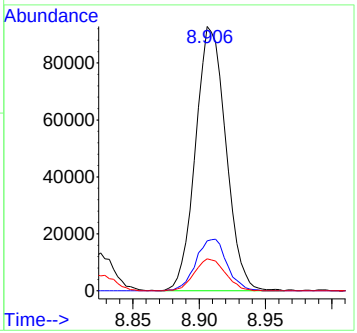


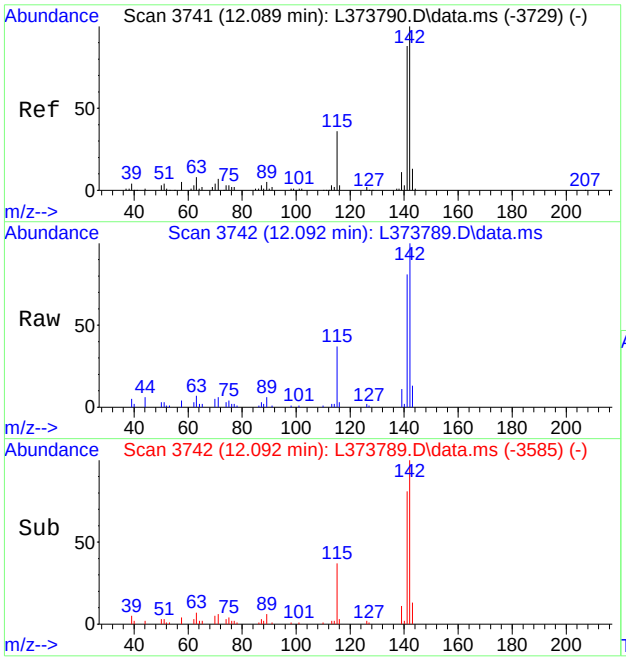


#122
benzyl chloride
Concen: 17.24 ug/L
RT: 8.906 min Scan# 2749
Delta R.T. -0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion: 91 Resp: 147801

Ion	Ratio	Lower	Upper
91	100		
126	18.9	0.0	49.8
65	12.1	0.0	41.8

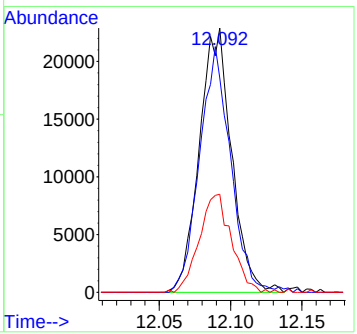




#123
2-methylnaphthalene
Concen: 8.59 ug/L
RT: 12.092 min Scan# 3742
Delta R.T. 0.003 min
Lab File: L373789.D
Acq: 16 Oct 2025 8:31 pm

Tgt Ion:142 Resp: 35982

Ion	Ratio	Lower	Upper
142	100		
141	81.1	68.0	108.0
115	37.1	15.9	55.9



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373790.D
Acq On : 16 Oct 2025 8:56 pm
Operator : BridgetK
Sample : icc11472-50
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 17 09:34:21 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 09:33:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	2.610	65	298744	500.00	ug/L	0.00
5) pentafluorobenzene	3.749	168	242810	50.00	ug/L	0.00
51) 1,4-difluorobenzene	4.288	114	425103	50.00	ug/L	0.00
72) chlorobenzene-d5	6.608	117	325898	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	8.774	152	154460	50.00	ug/L	0.00
124) pentafluorobenzene(a)	3.749	168	242810	50.00	ug/L	0.00
131) 1,4-dichlorobenzene-d4(a)	8.774	152	154460	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	3.752	113	126937	50.00	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.00%			
52) 1,2-dichloroethane-d4 (s)	3.990	65	150128	49.99	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 99.98%			
73) toluene-d8 (s)	5.392	98	474110	50.00	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.00%			
97) 4-bromofluorobenzene (s)	7.677	95	168564	50.00	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.00%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.702	88	99904	1250.0000	ug/L	100
3) ethanol	2.087	45	320985	5000.0000	ug/L	100
4) tertiary butyl alcohol	2.661	59	213893	250.0000	ug/L	100
6) chlorodifluoromethane	1.368	51	179143	50.1950	ug/L	100
7) dichlorodifluoromethane	1.352	85	198401	49.9240	ug/L	100
8) chloromethane	1.487	50	172681	50.2848	ug/L	100
9) vinyl chloride	1.554	62	173461	49.8689	ug/L	100
10) 1,3-butadiene	1.580	54	157228	49.8071	ug/L	100
11) bromomethane	1.766	96	44611	50.0011	ug/L	98
12) chloroethane	1.837	64	71211	49.9348	ug/L	100
13) trichlorofluoromethane	1.997	101	235759	50.3004	ug/L	100
14) ethyl ether	2.164	74	74587	49.1376	ug/L	94
15) acrolein	2.254	56	32397	47.7283	ug/L	99
16) freon 113	2.321	151	99840	50.0000	ug/L	100
17) 1,1-dichloroethene	2.324	96	120276	50.0000	ug/L	100
18) acetone	2.337	58	90581	200.0000	ug/L	100
19) acetonitrile	2.514	40	174617	500.0000	ug/L	100
20) iodomethane	2.424	142	96098	50.0000	ug/L	100
21) iso-butyl alcohol	3.900	43	144931	466.0970	ug/L	100
22) carbon disulfide	2.475	76	361536	50.0000	ug/L	100
23) methylene chloride	2.626	84	138923	50.0000	ug/L	100
24) methyl acetate	2.527	74	36974	50.0000	ug/L	100
25) methyl tert butyl ether	2.780	73	412877	50.0000	ug/L	100
26) trans-1,2-dichloroethene	2.793	96	135157	50.0000	ug/L	100
27) hexane	2.960	57	180827	50.0000	ug/L	100
28) di-isopropyl ether	3.069	45	423806	50.0000	ug/L	100
29) ethyl tert-butyl ether	3.303	59	441911	50.0000	ug/L	100
30) 2-butanone	3.412	72	125232	200.0000	ug/L	100
31) 1,1-dichloroethane	3.069	63	252176	50.0000	ug/L	100
32) chloroprene	3.117	53	229868	50.0000	ug/L	100
33) acrylonitrile	2.761	53	71960	50.0000	ug/L	100
34) vinyl acetate	3.050	86	34843	51.4576	ug/L	99
35) ethyl acetate	3.428	45	37987	51.1100	ug/L	100
36) 2,2-dichloropropane	3.441	77	222920	50.0000	ug/L	100
37) cis-1,2-dichloroethene	3.435	96	147200	50.0000	ug/L	100
38) propionitrile	3.457	54	390889	500.0000	ug/L	100
39) methyl acrylate	3.467	85	33399	50.0000	ug/L	100
40) bromochloromethane	3.589	128	63636	50.0000	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373790.D
Acq On : 16 Oct 2025 8:56 pm
Operator : BridgetK
Sample : icc11472-50
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 17 09:34:21 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 09:33:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) tetrahydrofuran	3.598	72	36840	50.0000 ug/L	100
42) chloroform	3.646	83	258590	50.0000 ug/L	100
44) methacrylonitrile	3.557	67	85996	50.0000 ug/L	100
45) 1,1,1-trichloroethane	3.775	97	227225	50.0000 ug/L	100
46) cyclohexane	3.826	84	194085	48.9948 ug/L	100
47) 1,1-dichloropropene	3.877	75	195653	50.0000 ug/L	100
48) carbon tetrachloride	3.881	117	188536	50.0000 ug/L	100
49) isopropyl acetate	4.006	87	41908	49.9964 ug/L	94
50) tert amyl alcohol	3.987	55	69192	241.4640 ug/L	99
53) tert-amyl methyl ether	4.083	73	430483	50.0000 ug/L	100
54) 2,2,4-trimethylpentane	4.080	57	334798	50.0000 ug/L	100
55) n-butyl alcohol	4.362	56	563577	2500.0000 ug/L	100
56) benzene	4.015	78	552096	50.0000 ug/L	100
57) heptane	4.192	57	69787	50.0000 ug/L	100
58) 1,2-dichloroethane	4.041	62	205235	50.0000 ug/L	100
59) trichloroethene	4.468	95	146922	50.0000 ug/L	100
60) ethyl acrylate	4.500	55	242728	49.9971 ug/L	100
61) 2-nitropropane	5.004	41	70778	49.1139 ug/L	100
62) 2-chloroethyl vinyl ether	5.042	63	234305	250.0000 ug/L	100
63) methyl methacrylate	4.673	100	48310	50.0000 ug/L	100
64) 1,2-dichloropropane	4.657	63	141792	50.2570 ug/L	100
65) methylcyclohexane	4.648	83	210455	50.0000 ug/L	100
66) dibromomethane	4.725	93	95331	50.0000 ug/L	100
67) bromodichloromethane	4.847	83	196510	50.0000 ug/L	100
68) cis-1,3-dichloropropene	5.177	75	228022	50.0000 ug/L	100
69) epichlorohydrin	5.090	57	140557	250.0000 ug/L	100
70) 4-methyl-2-pentanone	5.280	58	341432	200.9310 ug/L	100
71) 3-methyl-1-butanol	5.315	70	208571	1007.1563 ug/L	98
74) toluene	5.447	92	333014	50.0000 ug/L	100
75) trans-1,3-dichloropropene	5.623	75	216574	50.0000 ug/L	100
76) ethyl methacrylate	5.655	69	201459	50.0000 ug/L	100
77) 1,1,2-trichloroethane	5.787	83	112023	50.0000 ug/L	100
78) 2-hexanone	5.954	58	359719	200.0000 ug/L	100
79) tetrachloroethene	5.870	166	137195	50.0000 ug/L	100
80) 1,3-dichloropropane	5.925	76	217989	50.0000 ug/L	100
81) butyl acetate	6.047	56	117763	50.0000 ug/L	100
82) dibromochloromethane	6.108	129	141234	50.0000 ug/L	100
83) 1,2-dibromoethane	6.214	107	138256	50.0000 ug/L	100
84) n-butyl ether	6.711	57	552377	49.9911 ug/L	100
85) chlorobenzene	6.634	112	339698	50.0000 ug/L	100
86) 1,1,1,2-tetrachloroethane	6.711	131	125793	50.0000 ug/L	100
87) ethylbenzene	6.717	91	613342	50.1021 ug/L	100
88) m,p-xylene	6.830	106	465173	100.0118 ug/L	100
89) o-xylene	7.179	106	224447	50.0000 ug/L	100
90) butyl acrylate	7.122	55	312419	50.0000 ug/L	100
91) styrene	7.196	104	385514	50.0000 ug/L	100
92) bromoform	7.362	173	102774	50.0000 ug/L	100
93) n-amyl acetate	7.327	70	118226	50.0000 ug/L	100
94) isopropylbenzene	7.513	105	558997	50.0000 ug/L	100
95) cis-1,4-dichloro-2-butene	7.571	88	49152	50.0000 ug/L	100
98) bromobenzene	7.812	156	136937	50.0000 ug/L	100
99) 1,1,2,2-tetrachloroethane	7.802	83	200016	49.8828 ug/L	100
100) trans-1,4-dichloro-2-b...	7.837	53	42544	50.0588 ug/L	88
101) 1,2,3-trichloropropane	7.857	110	59113	50.0000 ug/L	100
102) n-propylbenzene	7.901	91	677704	50.1099 ug/L	100
103) 2-chlorotoluene	7.988	126	129794	50.0888 ug/L	99
104) 4-chlorotoluene	8.104	126	135197	51.8943 ug/L	100
105) 1,3,5-trimethylbenzene	8.072	105	476265	50.0000 ug/L	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373790.D
Acq On : 16 Oct 2025 8:56 pm
Operator : BridgetK
Sample : icc11472-50
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 17 09:34:21 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 09:33:22 2025
Response via : Initial Calibration

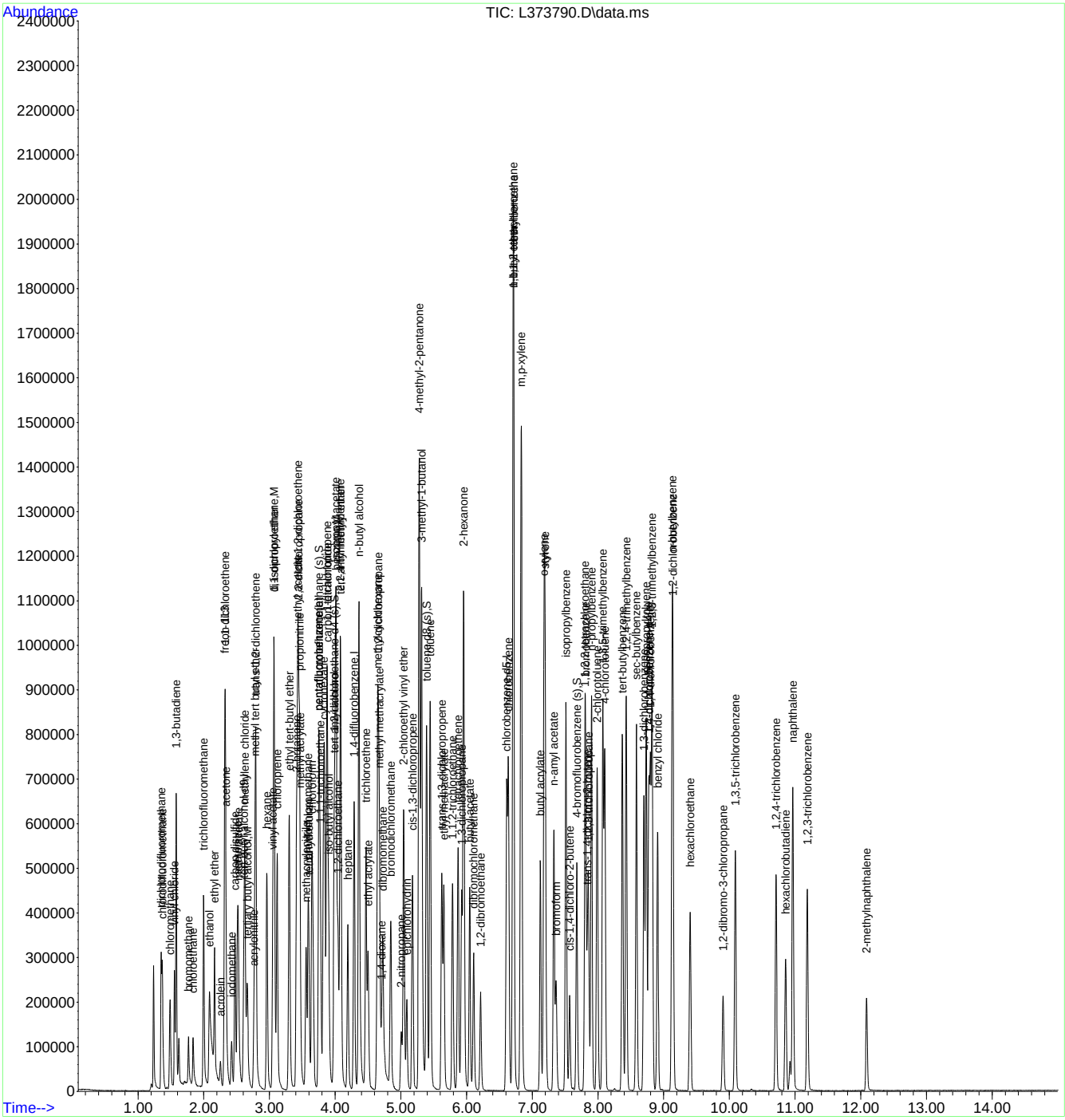
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
106) tert-butylbenzene	8.373	119	364979	49.6627	ug/L	100
107) 1,2,4-trimethylbenzene	8.431	105	478571	50.0000	ug/L	100
108) sec-butylbenzene	8.585	105	550627	50.0000	ug/L	100
109) 1,3-dichlorobenzene	8.700	146	250561	50.0014	ug/L	100
110) p-isopropyltoluene	8.733	119	455338	50.0000	ug/L	100
111) 1,4-dichlorobenzene	8.797	146	253758	49.9813	ug/L	100
112) 1,2,3-trimethylbenzene	8.822	105	494160	50.0000	ug/L	100
113) 1,2-dichlorobenzene	9.140	146	242696	50.0000	ug/L	100
114) n-butylbenzene	9.130	92	229080	50.0000	ug/L	100
115) 1,2-dibromo-3-chloropr...	9.904	157	55204	50.0000	ug/L	100
116) 1,3,5-trichlorobenzene	10.090	180	163678	50.0000	ug/L	100
117) 1,2,4-trichlorobenzene	10.709	180	143559	50.0000	ug/L	100
118) hexachlorobutadiene	10.857	225	54325	50.0000	ug/L	100
119) naphthalene	10.966	128	523349	50.0000	ug/L	100
120) 1,2,3-trichlorobenzene	11.187	180	133059	50.0000	ug/L	100
121) hexachloroethane	9.403	119	73315	50.0000	ug/L	100
122) benzyl chloride	8.909	91	403261	50.0000	ug/L	100
123) 2-methylnaphthalene	12.089	142	99907	25.0000	ug/L	100

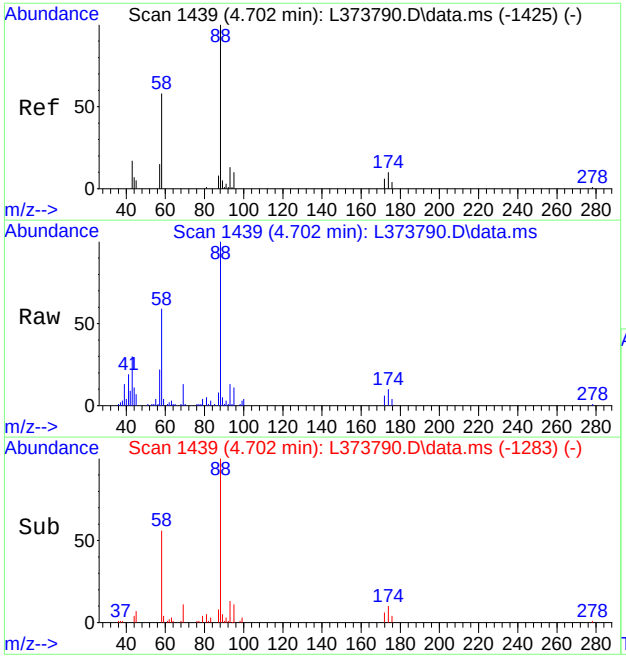
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373790.D
Acq On : 16 Oct 2025 8:56 pm
Operator : BridgetK
Sample : icc11472-50
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 17 09:34:21 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 09:33:22 2025
Response via : Initial Calibration

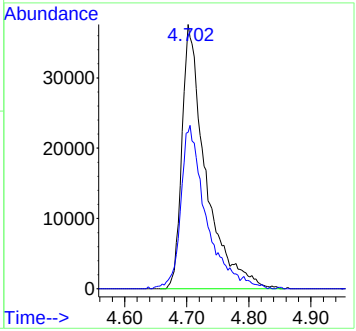


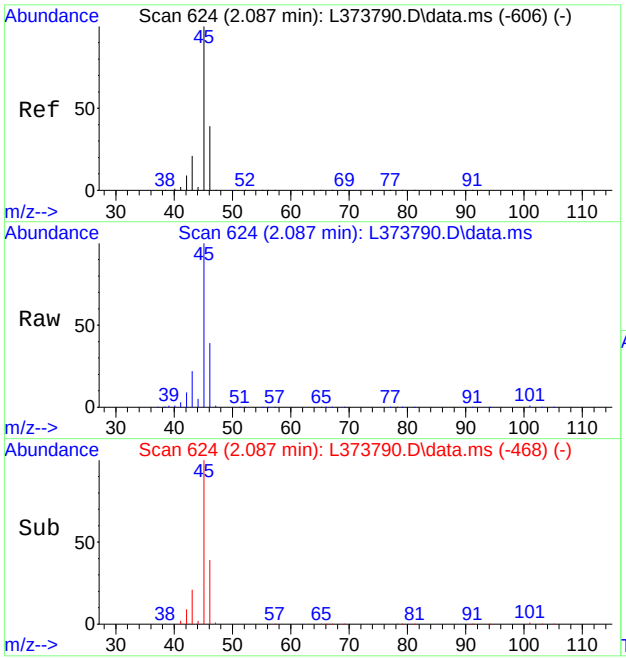


#2
1,4-dioxane
Concen: 1250.00 ug/L
RT: 4.702 min Scan# 1439
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 88 Resp: 99904

Ion	Ratio	Lower	Upper
88	100		
58	59.1	29.1	89.1

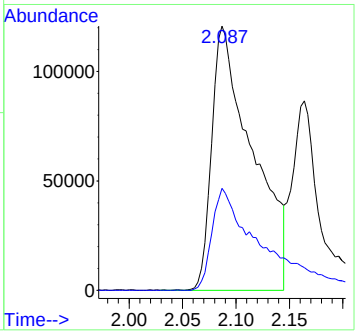


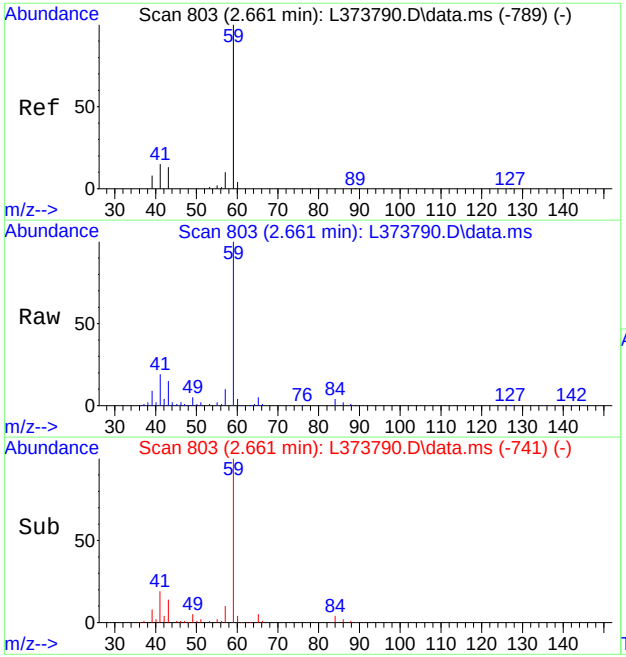


#3
ethanol
Concen: 5000.00 ug/L
RT: 2.087 min Scan# 624
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 45 Resp: 320985

Ion	Ratio	Lower	Upper
45	100		
46	38.6	18.6	58.6

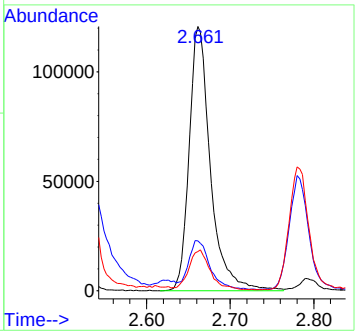


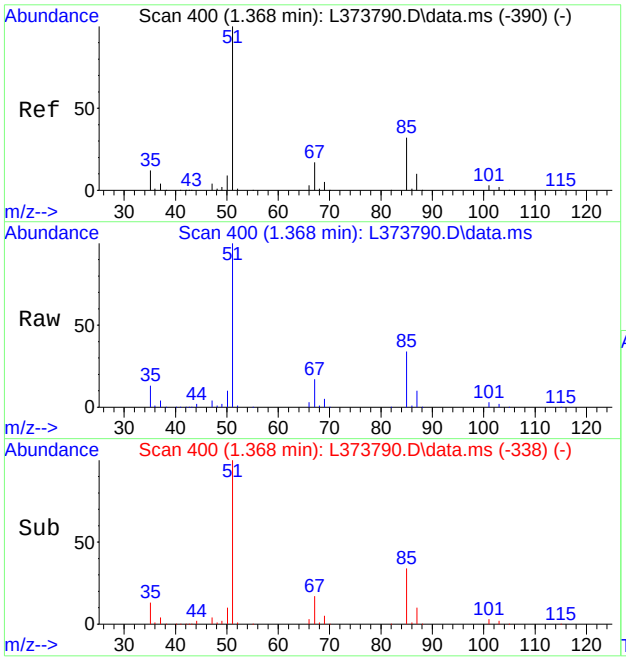


#4
tertiary butyl alcohol
Concen: 250.00 ug/L
RT: 2.661 min Scan# 803
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 59 Resp: 213893

Ion	Ratio	Lower	Upper
59	100		
41	15.3	0.0	45.3
43	13.5	0.0	43.5

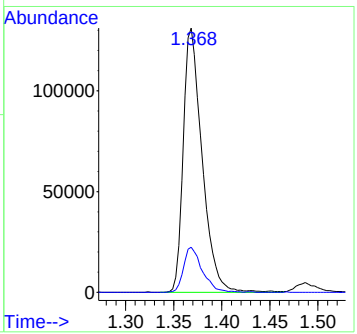


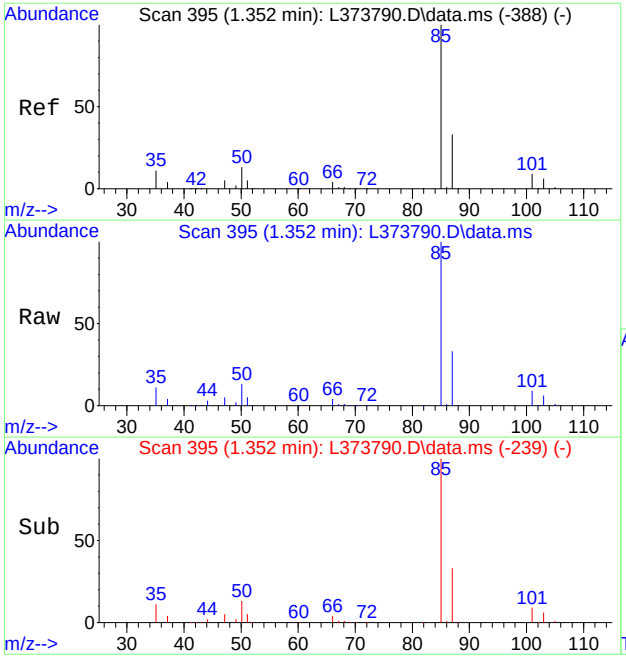


#6
chlorodifluoromethane
Concen: 50.20 ug/L
RT: 1.368 min Scan# 400
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 51 Resp: 179143

Ion	Ratio	Lower	Upper
51	100		
67	17.0	0.0	37.0

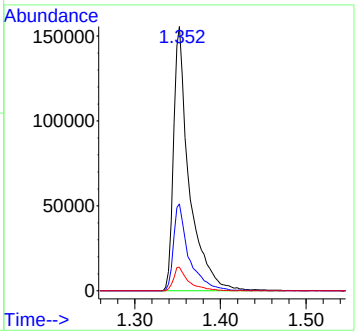


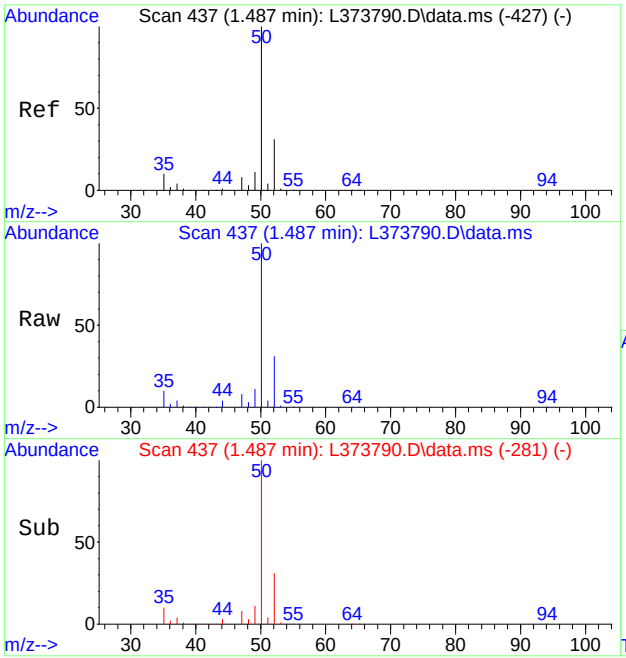


#7
dichlorodifluoromethane
Concen: 49.92 ug/L
RT: 1.352 min Scan# 395
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 85 Resp: 198401

Ion	Ratio	Lower	Upper
85	100		
87	32.8	2.8	62.8
101	8.9	0.0	38.9

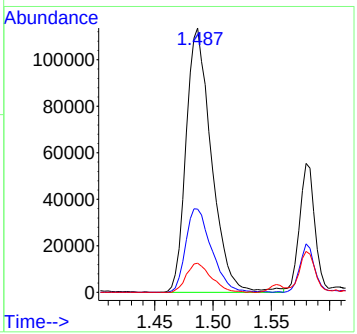


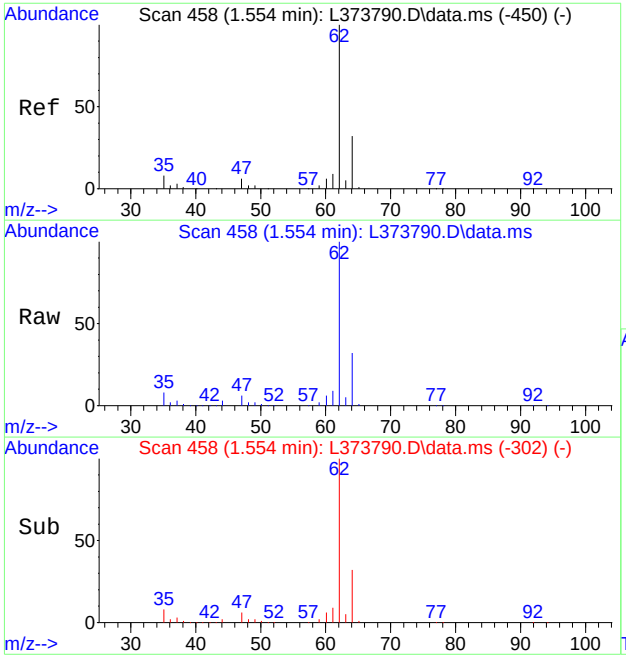


#8
chloromethane
Concen: 50.28 ug/L
RT: 1.487 min Scan# 437
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 50 Resp: 172681

Ion	Ratio	Lower	Upper
50	100		
52	31.5	1.5	61.5
49	11.1	0.0	41.1

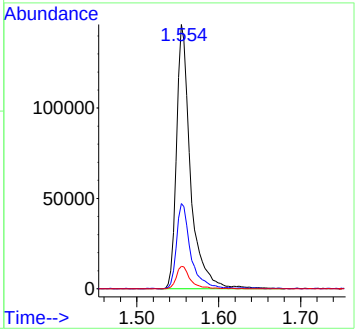


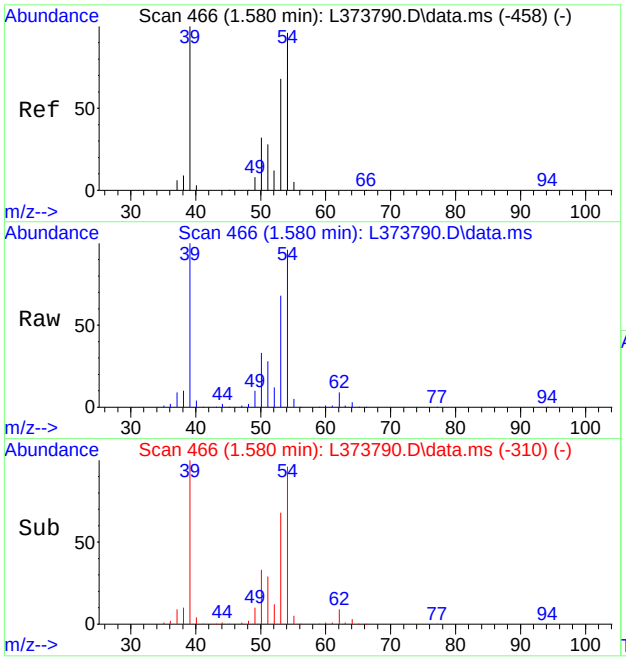


#9
vinyl chloride
Concen: 49.87 ug/L
RT: 1.554 min Scan# 458
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 62 Resp: 173461

Ion	Ratio	Lower	Upper
62	100		
64	32.2	2.2	62.2
61	8.5	0.0	38.5

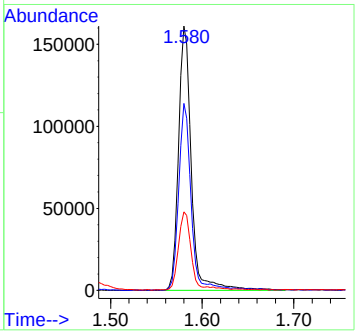


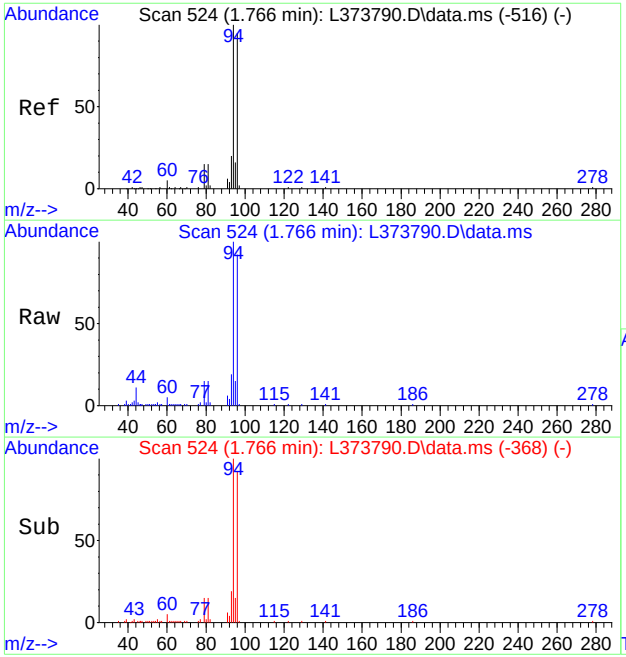


#10
1,3-butadiene
Concen: 49.81 ug/L
RT: 1.580 min Scan# 466
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 54 Resp: 157228

Ion	Ratio	Lower	Upper
54	100		
53	70.7	40.7	100.7
51	29.5	0.0	59.7

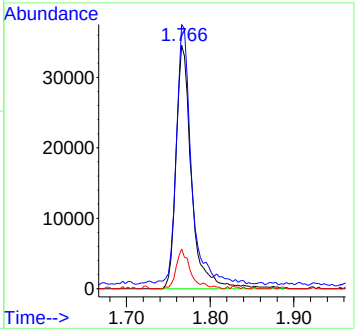


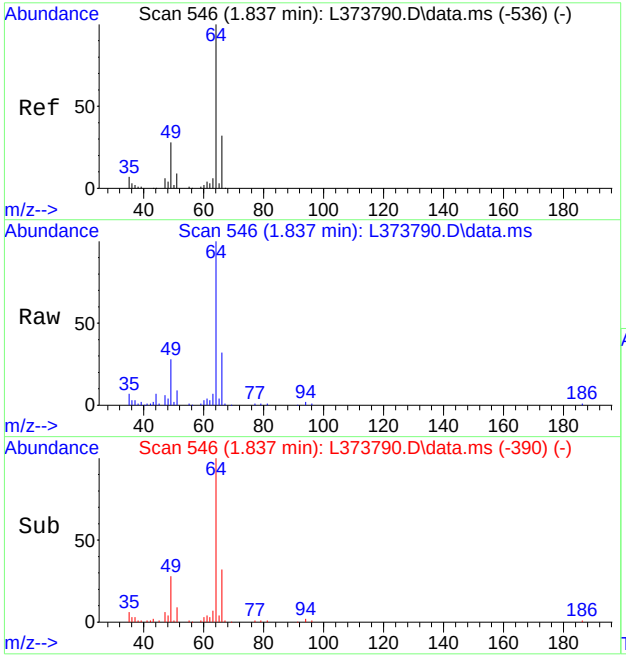


#11
bromomethane
Concen: 50.00 ug/L
RT: 1.766 min Scan# 524
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 96 Resp: 44611

Ion	Ratio	Lower	Upper
96	100		
94	106.7	78.5	138.5
95	16.3	0.0	46.3

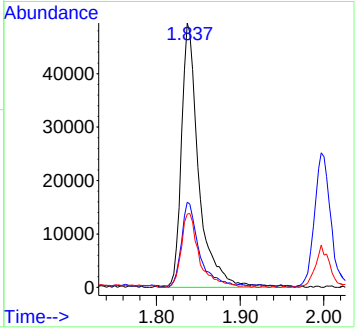


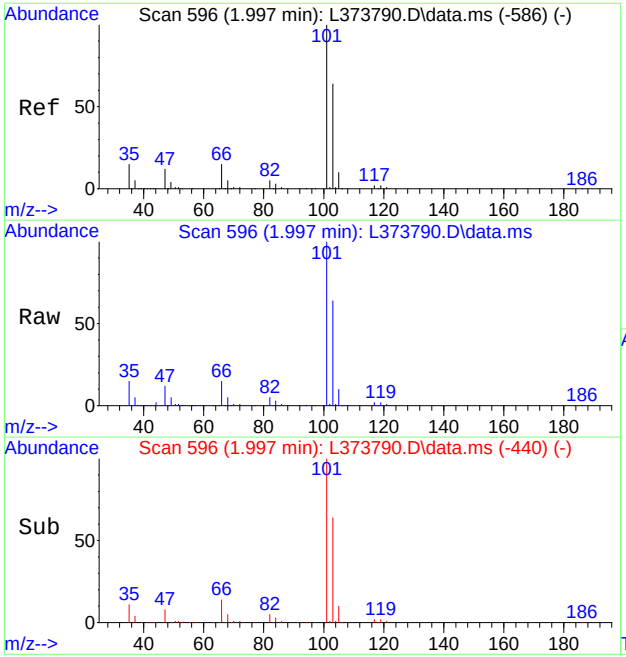


#12
chloroethane
Concen: 49.93 ug/L
RT: 1.837 min Scan# 546
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 64 Resp: 71211

Ion	Ratio	Lower	Upper
64	100		
66	31.8	2.2	62.2
49	27.7	0.0	57.7

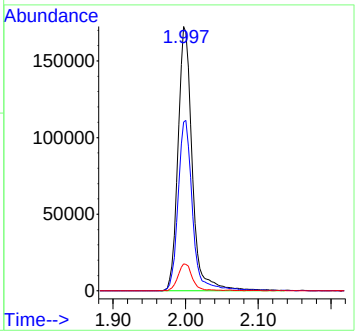


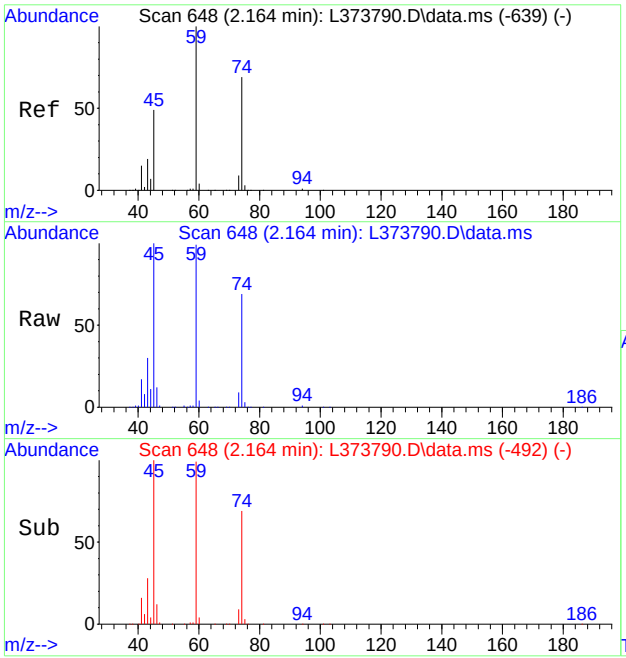


#13
trichlorofluoromethane
Concen: 50.30 ug/L
RT: 1.997 min Scan# 596
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion:101 Resp: 235759

Ion	Ratio	Lower	Upper
101	100		
103	63.8	33.8	93.8
105	10.0	0.0	40.2

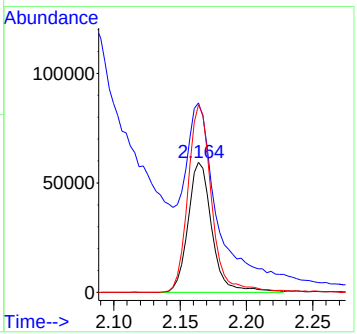


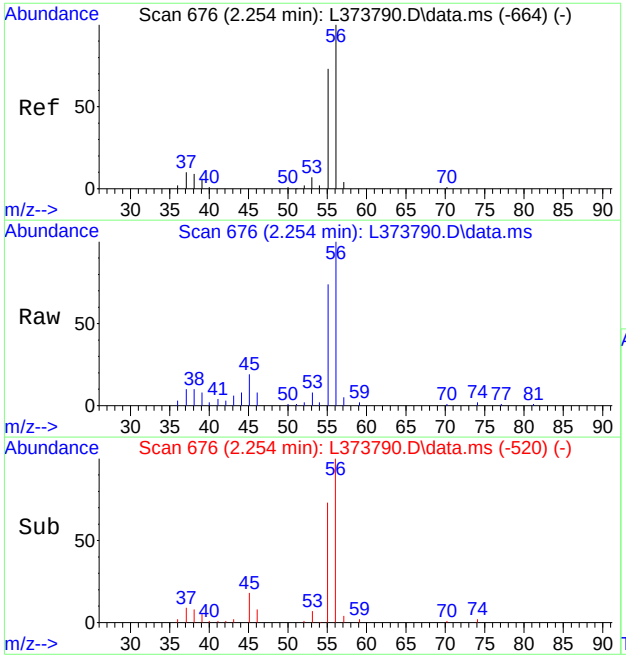


#14
ethyl ether
Concen: 49.14 ug/L
RT: 2.164 min Scan# 648
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 74 Resp: 74587

Ion	Ratio	Lower	Upper
74	100		
45	132.0	115.8	175.8
59	144.2	114.2	174.2

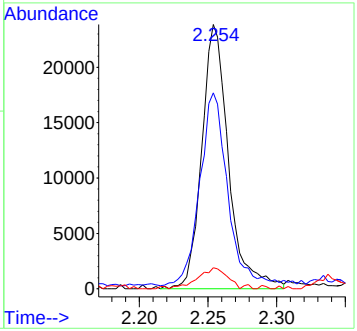


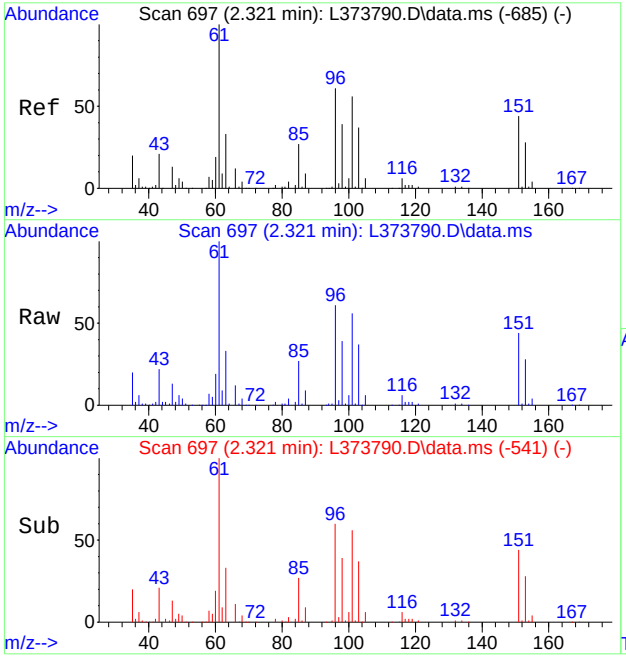


#15
acrolein
Concen: 47.73 ug/L
RT: 2.254 min Scan# 676
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 56 Resp: 32397

Ion	Ratio	Lower	Upper
56	100		
55	72.9	44.1	104.1
53	8.0	0.0	38.0

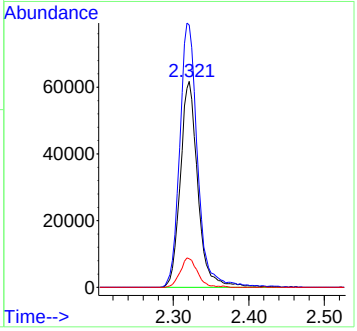


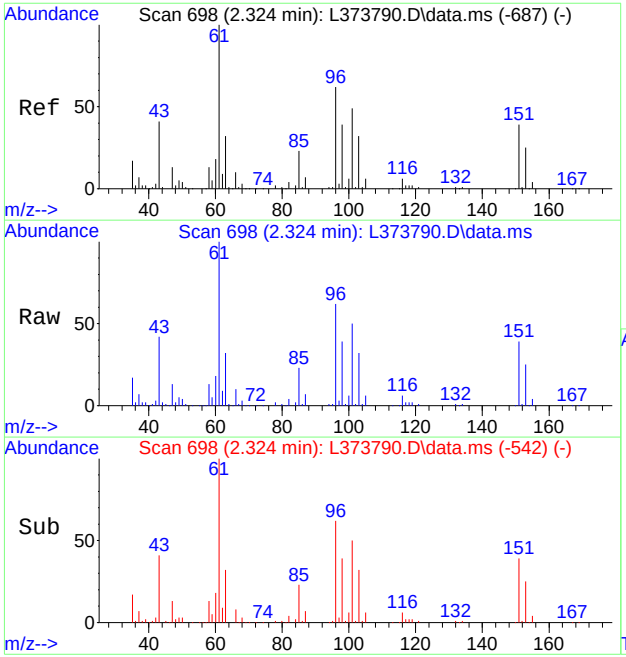


#16
freon 113
Concen: 50.00 ug/L
RT: 2.321 min Scan# 697
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion:151 Resp: 99840

Ion	Ratio	Lower	Upper
151	100		
101	127.4	107.4	147.4
116	13.9	0.0	33.9

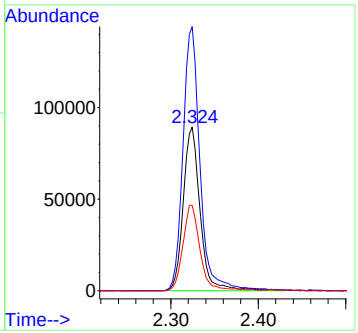


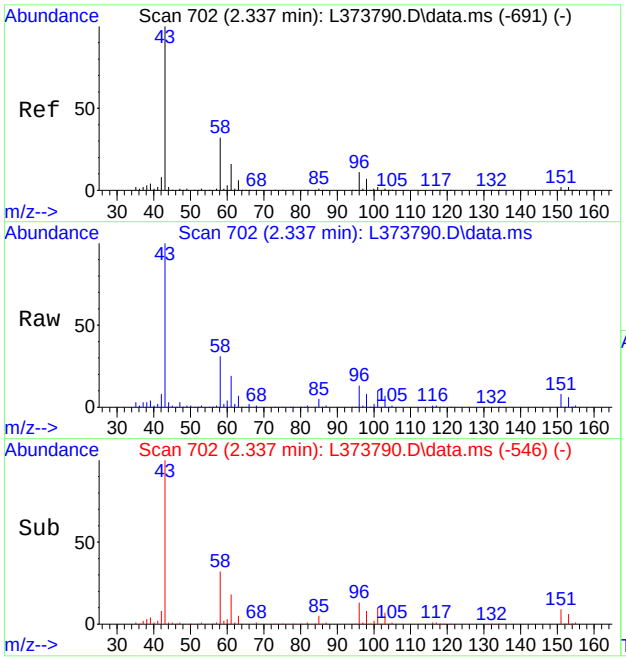


#17
1,1-dichloroethene
Concen: 50.00 ug/L
RT: 2.324 min Scan# 698
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 96 Resp: 120276

Ion	Ratio	Lower	Upper
96	100		
61	161.4	131.4	191.4
63	52.3	22.3	82.3

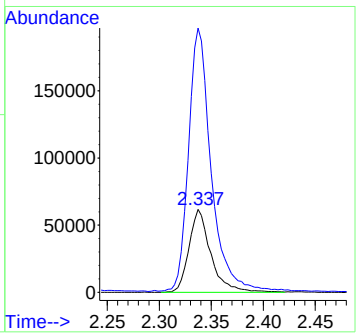


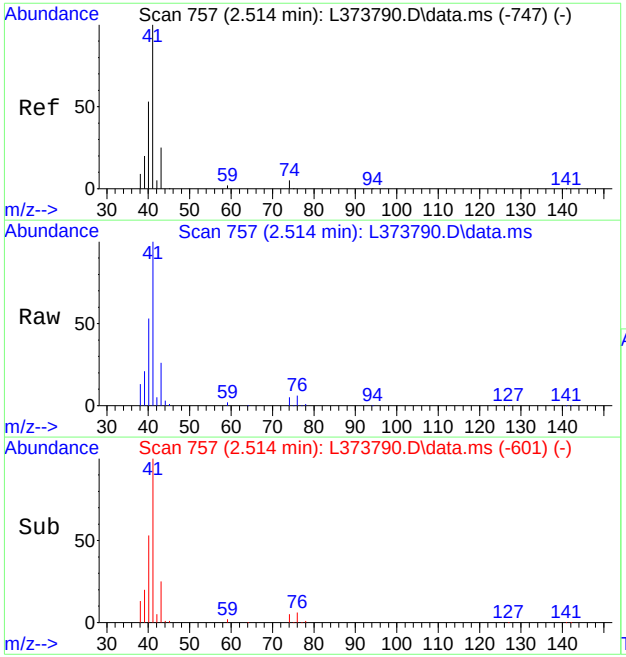


#18
acetone
Concen: 200.00 ug/L
RT: 2.337 min Scan# 702
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 58 Resp: 90581

Ion	Ratio	Lower	Upper
58	100		
43	316.5	286.5	346.5

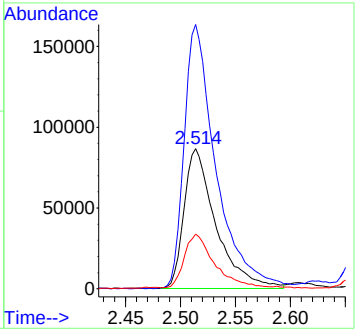


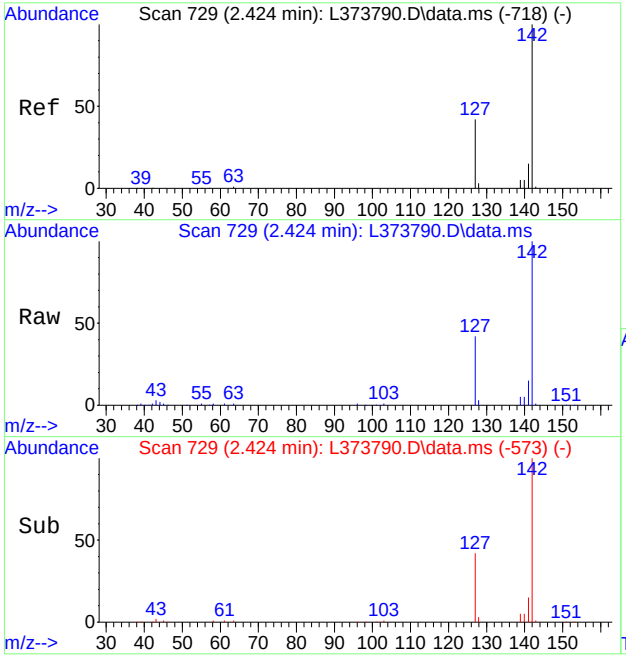


#19
acetonitrile
Concen: 500.00 ug/L
RT: 2.514 min Scan# 757
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 40 Resp: 174617

Ion	Ratio	Lower	Upper
40	100		
41	188.5	158.5	218.5
39	38.2	8.2	68.2

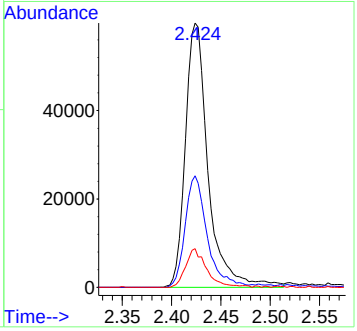


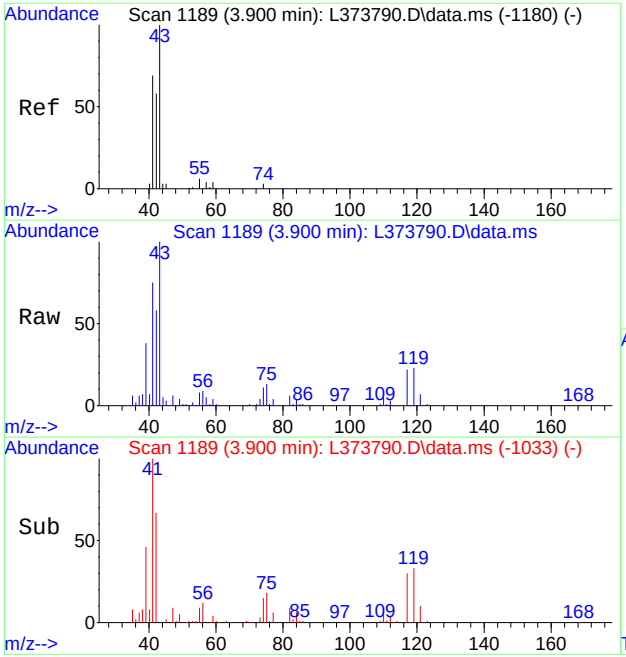


#20
iodomethane
Concen: 50.00 ug/L
RT: 2.424 min Scan# 729
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion:142 Resp: 96098

Ion	Ratio	Lower	Upper
142	100		
127	42.2	12.2	72.2
141	14.6	0.0	44.6

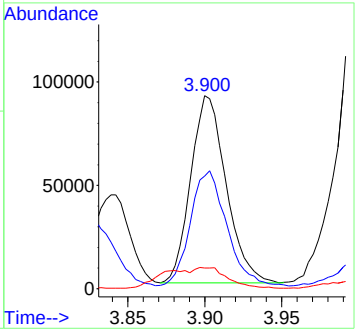


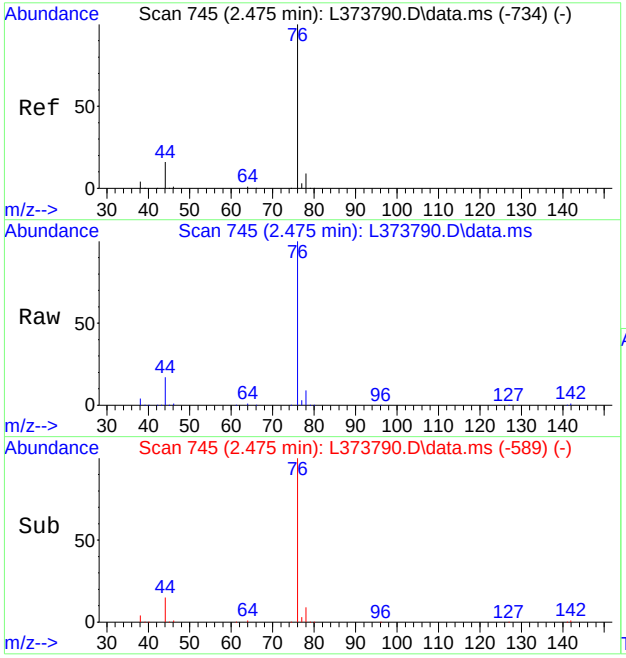


#21
iso-butyl alcohol
Concen: 466.10 ug/L
RT: 3.900 min Scan# 1189
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 43 Resp: 144931

Ion	Ratio	Lower	Upper
43	100		
42	58.3	28.3	88.3
74	10.9	0.0	40.9

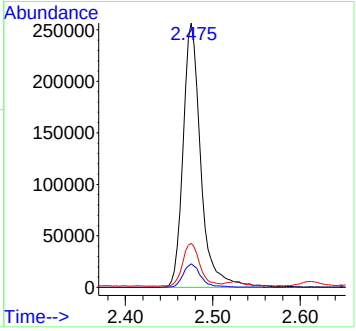


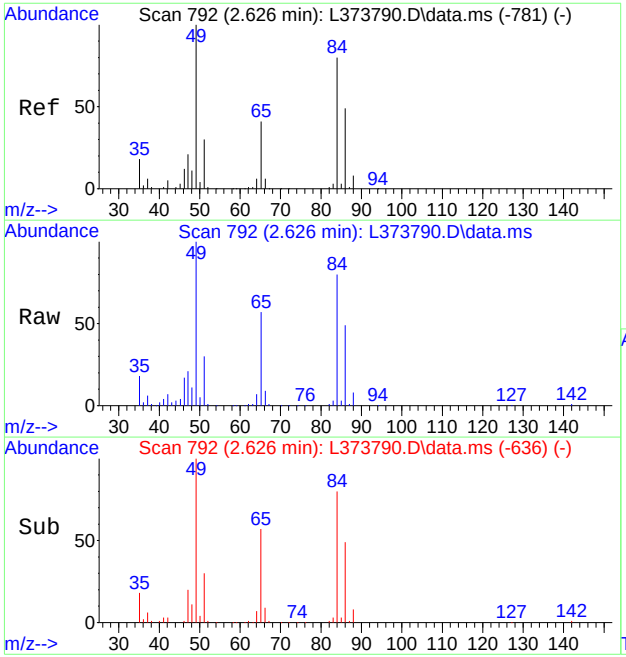


#22
carbon disulfide
Concen: 50.00 ug/L
RT: 2.475 min Scan# 745
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 76 Resp: 361536

Ion	Ratio	Lower	Upper
76	100		
78	8.9	0.0	38.9
44	16.1	0.0	46.1

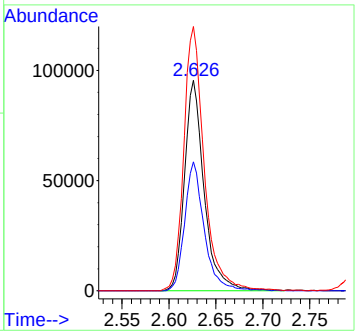


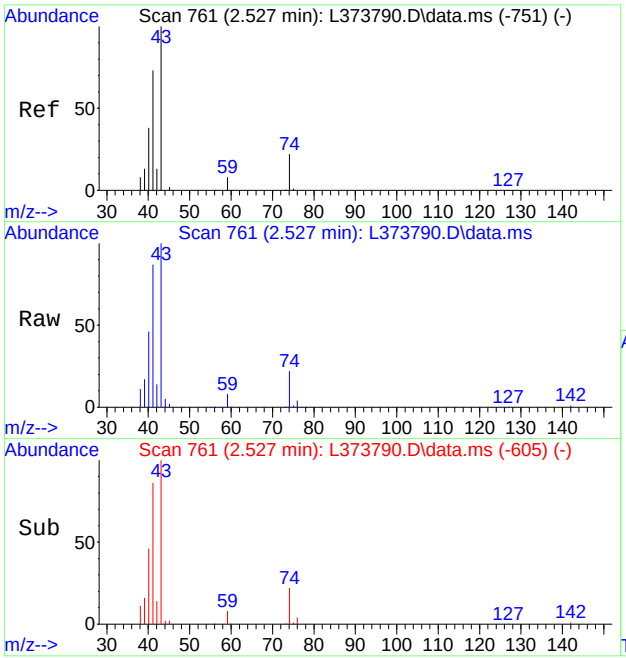


#23
methylene chloride
Concen: 50.00 ug/L
RT: 2.626 min Scan# 792
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 84 Resp: 138923

Ion	Ratio	Lower	Upper
84	100		
86	61.2	31.2	91.2
49	125.6	95.6	155.6

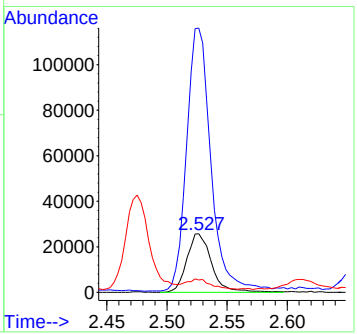


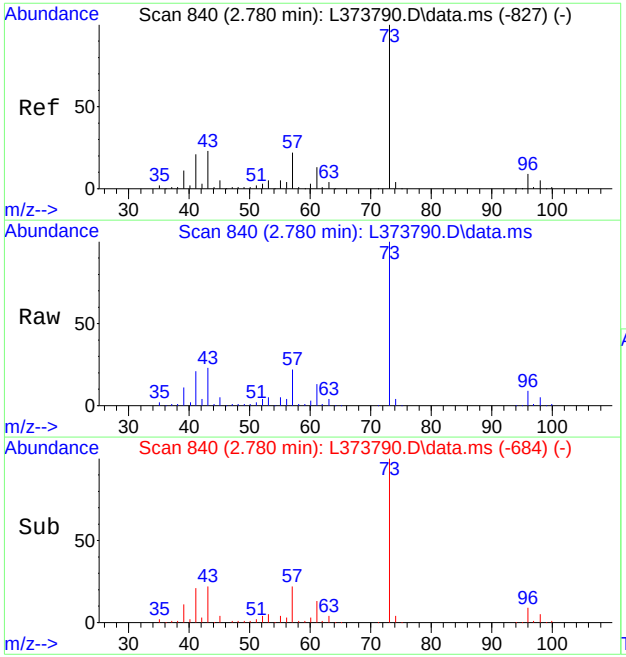


#24
methyl acetate
Concen: 50.00 ug/L
RT: 2.527 min Scan# 761
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 74 Resp: 36974

Ion	Ratio	Lower	Upper
74	100		
43	447.7	417.7	477.7
44	9.0	0.0	39.0

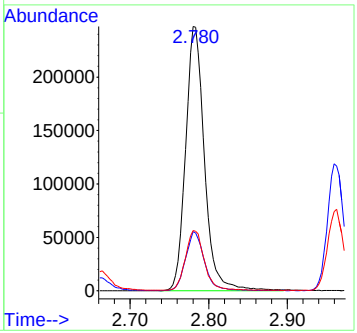


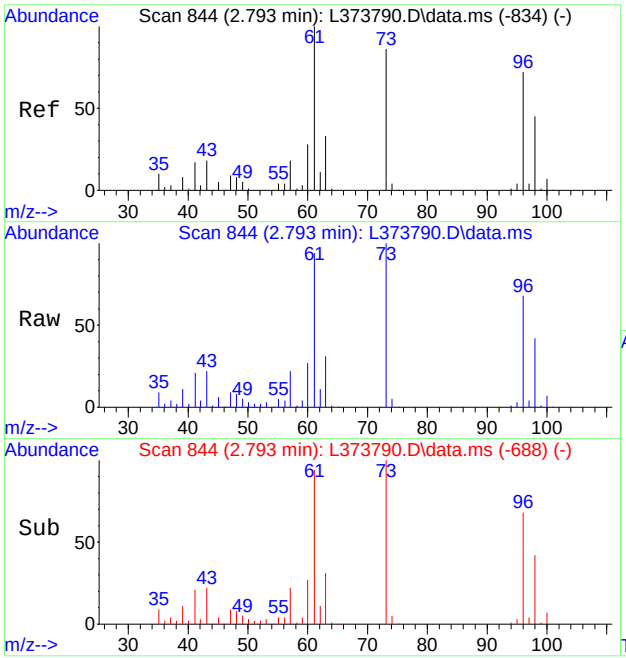


#25
methyl tert butyl ether
Concen: 50.00 ug/L
RT: 2.780 min Scan# 840
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 73 Resp: 412877

Ion	Ratio	Lower	Upper
73	100		
57	22.4	0.0	52.4
43	22.7	0.0	52.7

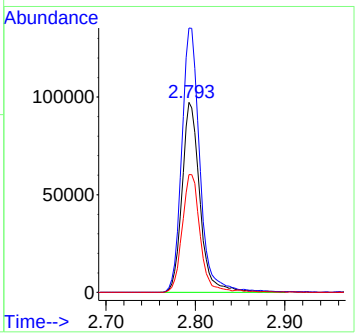


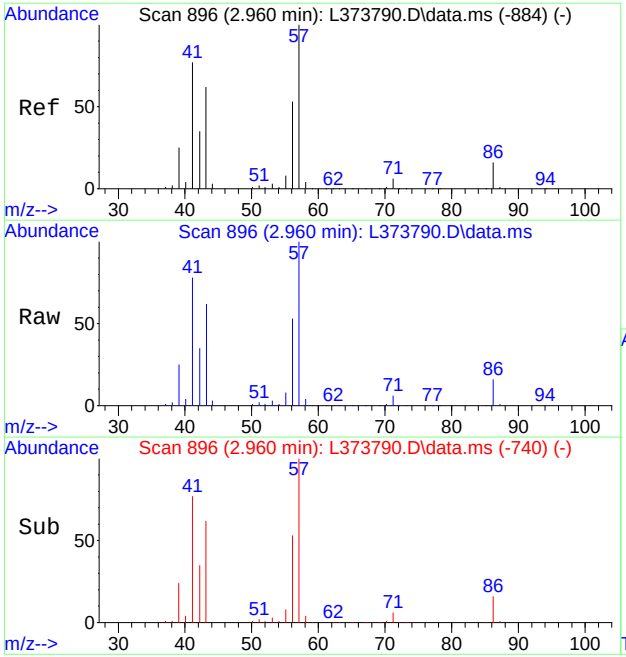


#26
trans-1,2-dichloroethene
Concen: 50.00 ug/L
RT: 2.793 min Scan# 844
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 96 Resp: 135157

Ion	Ratio	Lower	Upper
96	100		
61	139.1	109.1	169.1
98	62.0	32.0	92.0

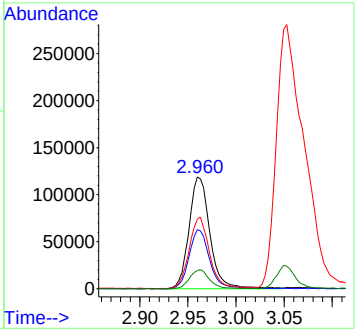


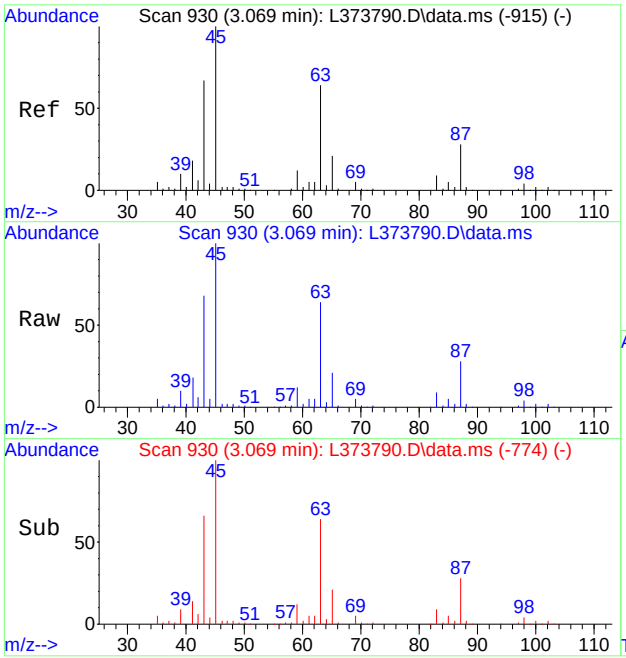


#27
hexane
Concen: 50.00 ug/L
RT: 2.960 min Scan# 896
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 57 Resp: 180827

Ion	Ratio	Lower	Upper
57	100		
56	52.9	32.9	72.9
43	61.9	41.9	81.9
86	16.3	0.0	36.3

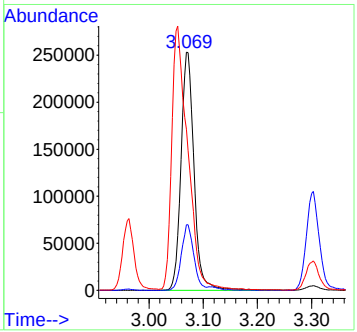


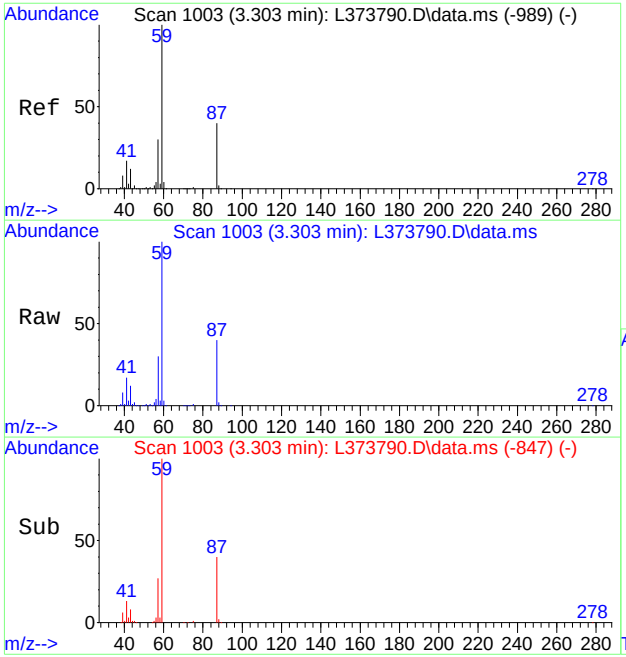


#28
di-isopropyl ether
Concen: 50.00 ug/L
RT: 3.069 min Scan# 930
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 45 Resp: 423806

Ion	Ratio	Lower	Upper
45	100		
87	27.5	0.0	57.5
43	67.5	37.5	97.5

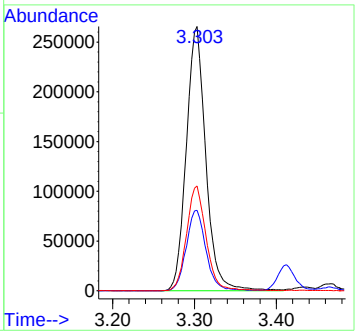


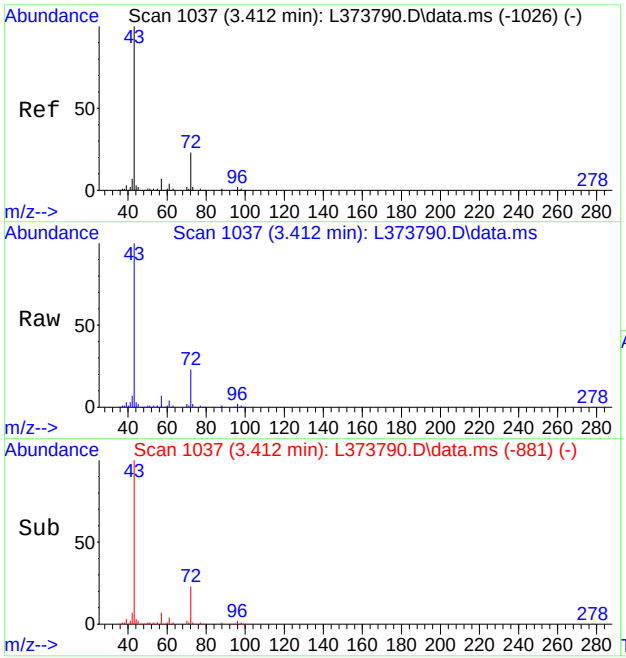


#29
ethyl tert-butyl ether
Concen: 50.00 ug/L
RT: 3.303 min Scan# 1003
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 59 Resp: 441911

Ion	Ratio	Lower	Upper
59	100		
57	30.3	0.3	60.3
87	39.6	9.6	69.6

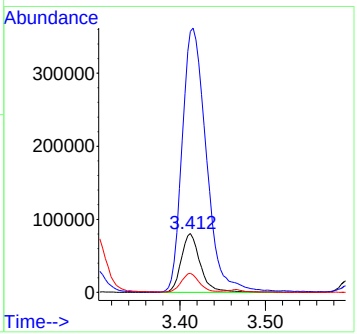


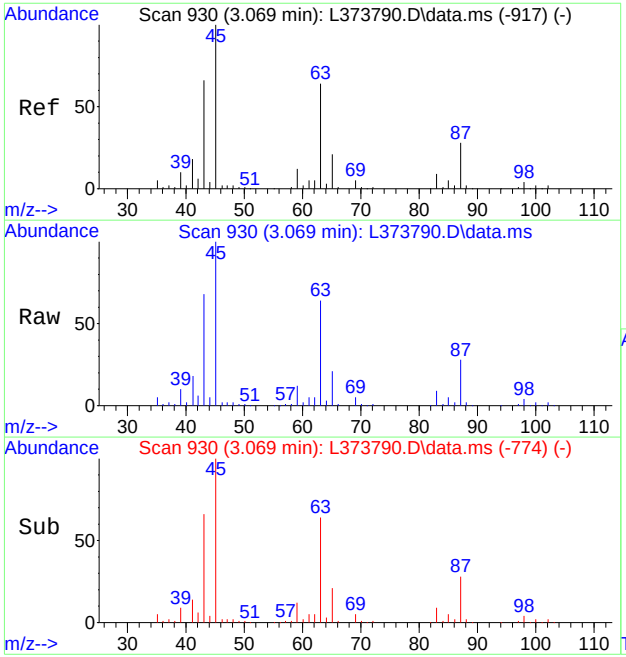


#30
2-butanone
Concen: 200.00 ug/L
RT: 3.412 min Scan# 1037
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 72 Resp: 125232

Ion	Ratio	Lower	Upper
72	100		
43	441.9	411.9	471.9
57	32.4	2.4	62.4

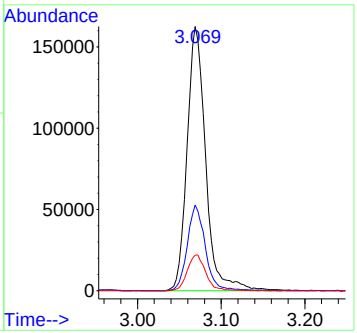


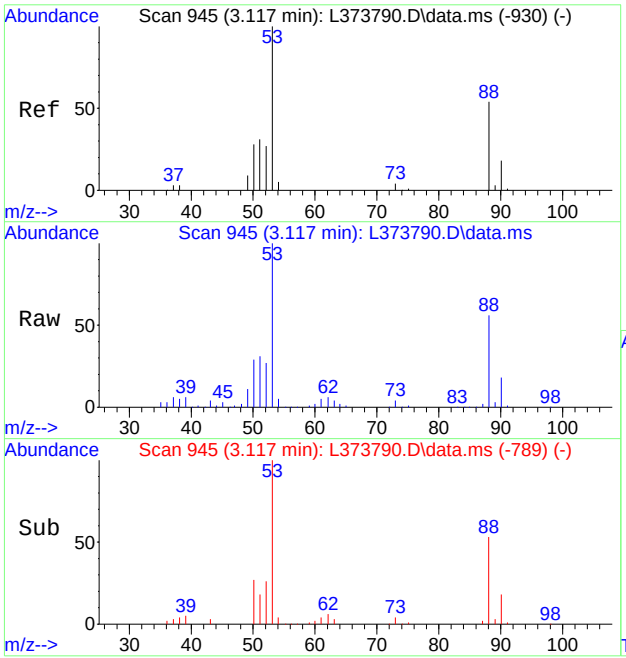


#31
1,1-dichloroethane
Concen: 50.00 ug/L
RT: 3.069 min Scan# 930
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 63 Resp: 252176

Ion	Ratio	Lower	Upper
63	100		
65	32.5	2.5	62.5
83	13.5	0.0	43.5

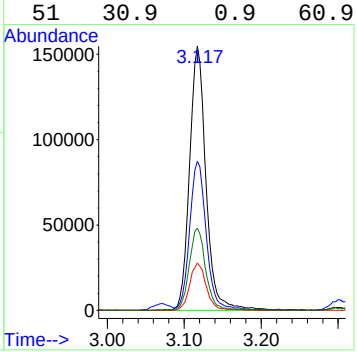


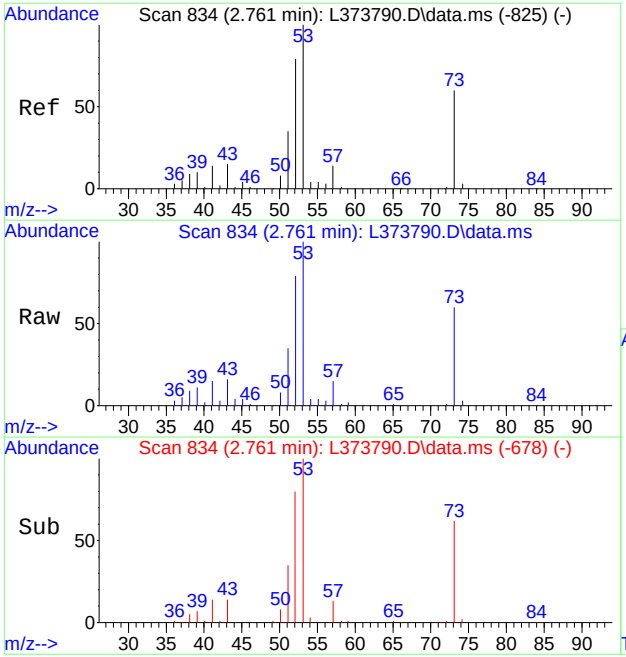


#32
chloroprene
Concen: 50.00 ug/L
RT: 3.117 min Scan# 945
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 53 Resp: 229868

Ion	Ratio	Lower	Upper
53	100		
88	56.2	26.2	86.2
90	17.9	0.0	47.9
51	30.9	0.9	60.9

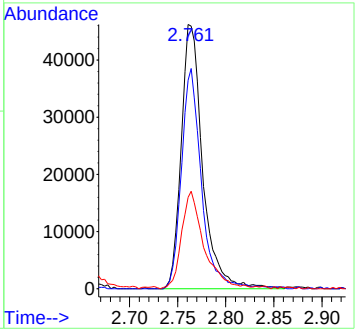


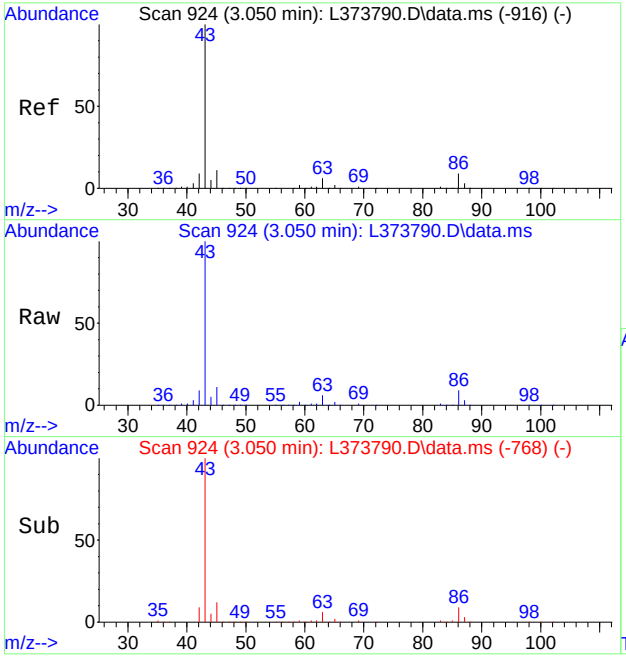


#33
acrylonitrile
Concen: 50.00 ug/L
RT: 2.761 min Scan# 834
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 53 Resp: 71960

Ion	Ratio	Lower	Upper
53	100		
52	78.8	48.8	108.8
51	34.6	4.6	64.6

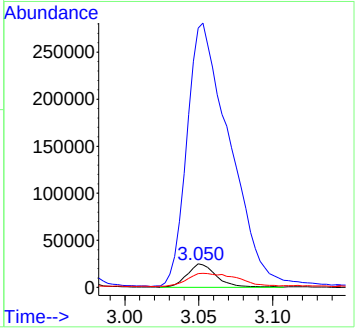


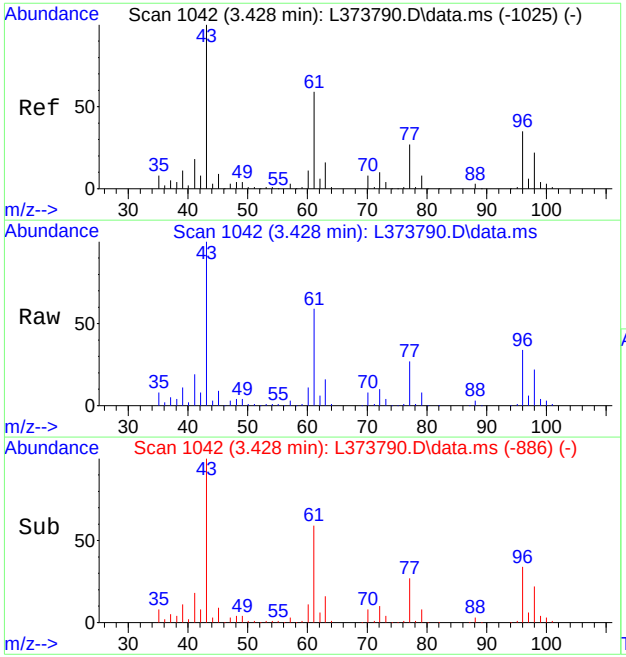


#34
vinyl acetate
Concen: 51.46 ug/L
RT: 3.050 min Scan# 924
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 86 Resp: 34843

Ion	Ratio	Lower	Upper
86	100		
43	1106.3	1074.2	1134.2
44	53.6	28.4	88.4

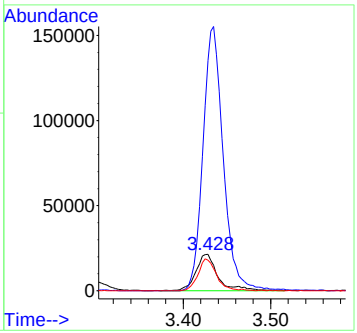


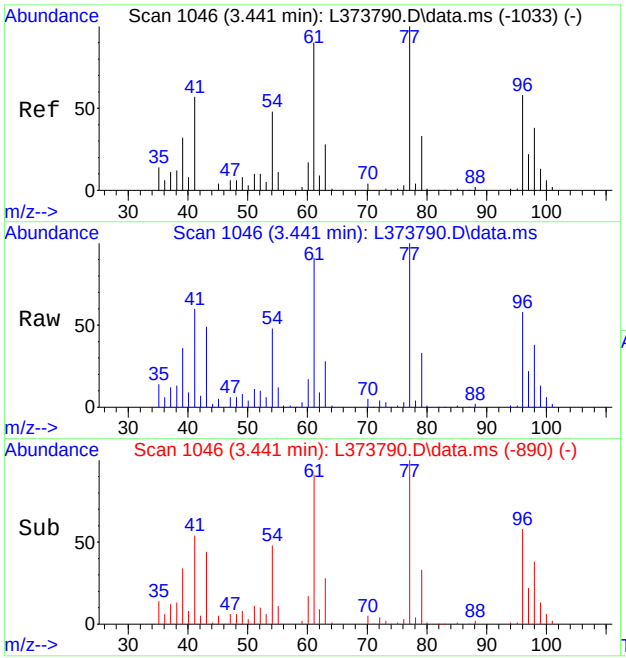


#35
ethyl acetate
Concen: 51.11 ug/L
RT: 3.428 min Scan# 1042
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 45 Resp: 37987

Ion	Ratio	Lower	Upper
45	100		
61	628.6	598.6	658.6
70	83.6	53.6	113.6

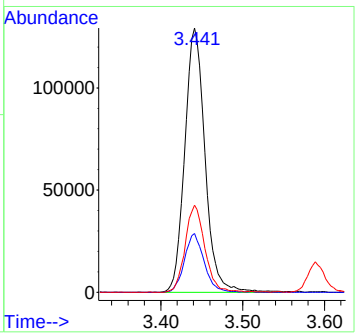


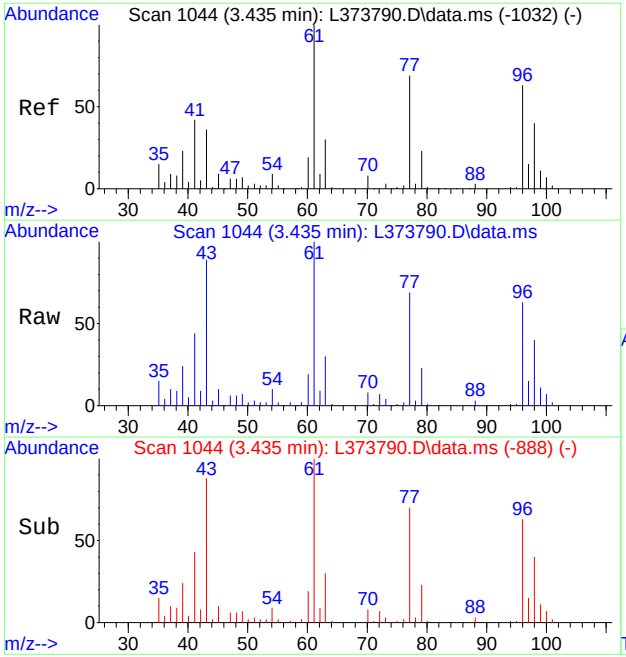


#36
2,2-dichloropropane
Concen: 50.00 ug/L
RT: 3.441 min Scan# 1046
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 77 Resp: 222920

Ion	Ratio	Lower	Upper
77	100		
97	22.3	0.0	52.3
79	33.0	3.0	63.0

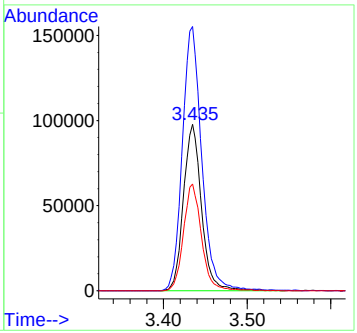


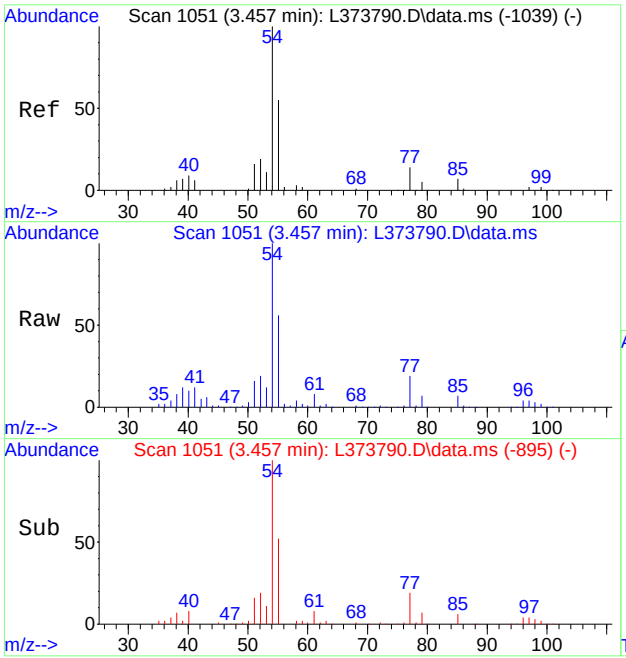


#37
cis-1,2-dichloroethene
Concen: 50.00 ug/L
RT: 3.435 min Scan# 1044
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 96 Resp: 147200

Ion	Ratio	Lower	Upper
96	100		
61	158.7	128.7	188.7
98	64.1	34.1	94.1

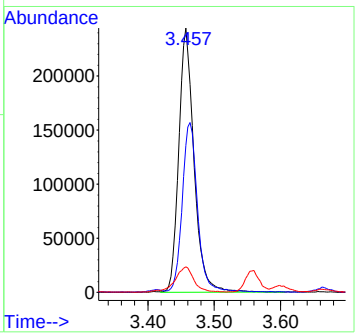


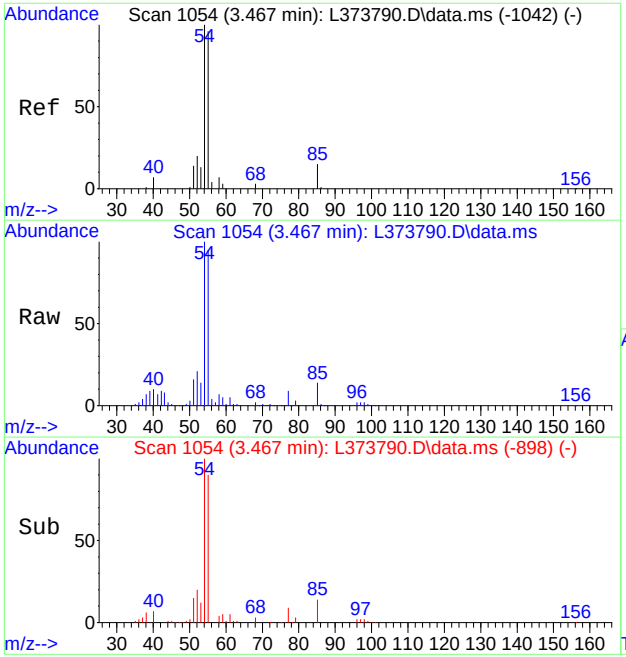


#38
propionitrile
Concen: 500.00 ug/L
RT: 3.457 min Scan# 1051
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 54 Resp: 390889

Ion	Ratio	Lower	Upper
54	100		
55	55.4	25.4	85.4
40	9.0	0.0	39.0

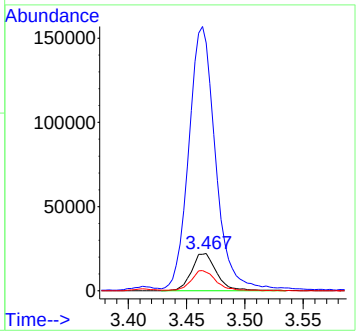


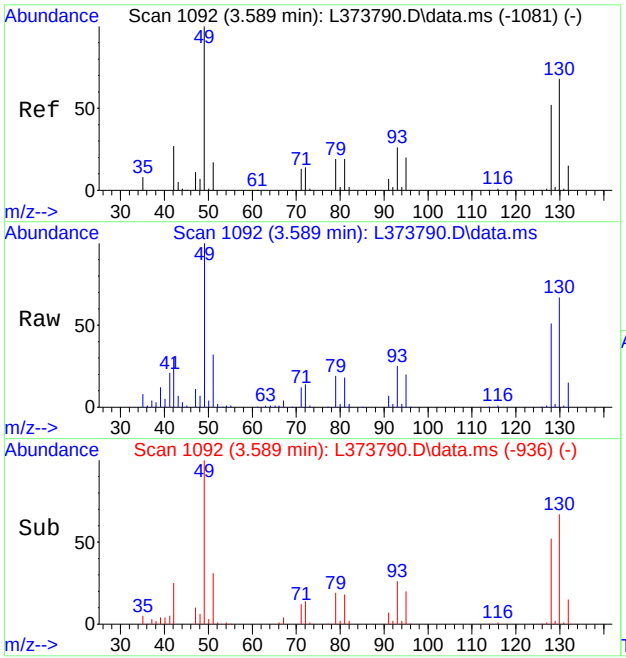


#39
methyl acrylate
Concen: 50.00 ug/L
RT: 3.467 min Scan# 1054
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 85 Resp: 33399

Ion	Ratio	Lower	Upper
85	100		
55	659.4	639.4	679.4
58	49.8	29.8	69.8

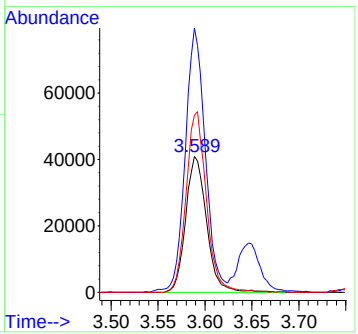


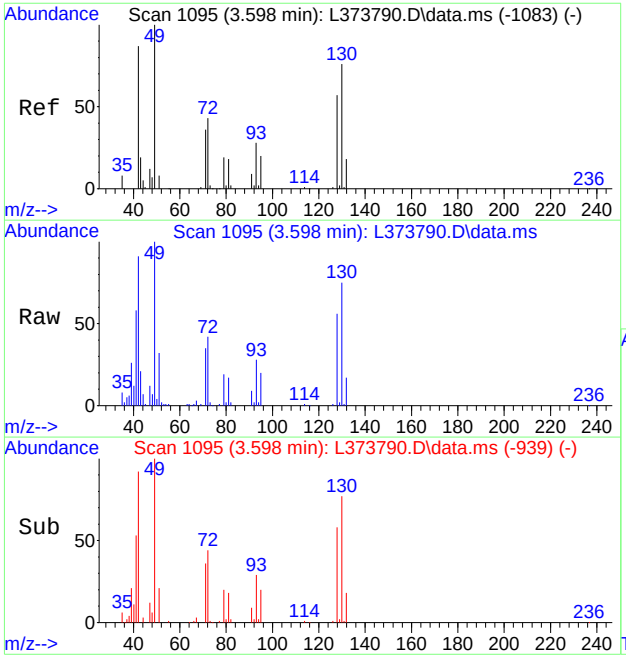


#40
bromochloromethane
Concen: 50.00 ug/L
RT: 3.589 min Scan# 1092
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion:128 Resp: 63636

Ion	Ratio	Lower	Upper
128	100		
49	193.3	163.3	223.3
130	130.3	100.3	160.3

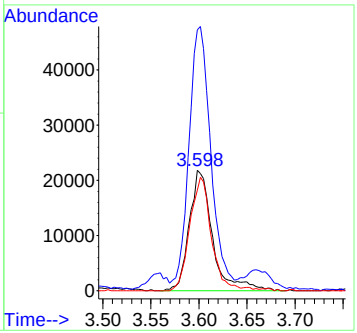


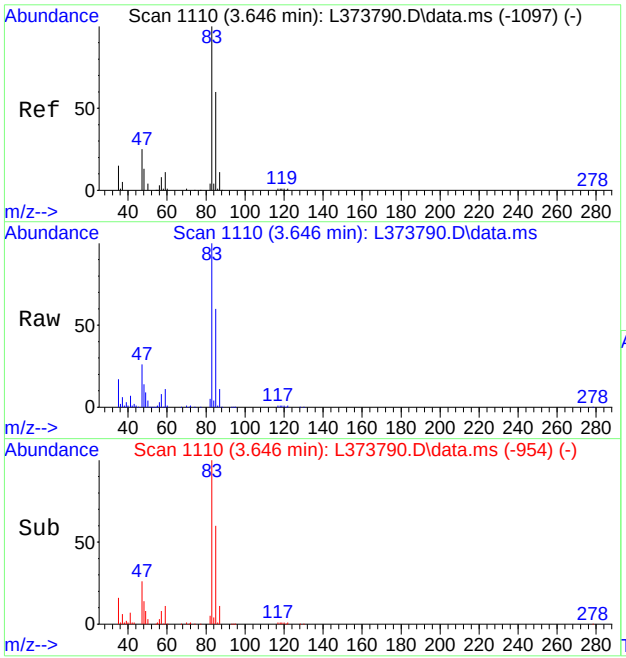


#41
tetrahydrofuran
Concen: 50.00 ug/L
RT: 3.598 min Scan# 1095
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 72 Resp: 36840

Ion	Ratio	Lower	Upper
72	100		
42	213.3	183.3	243.3
71	83.5	53.5	113.5

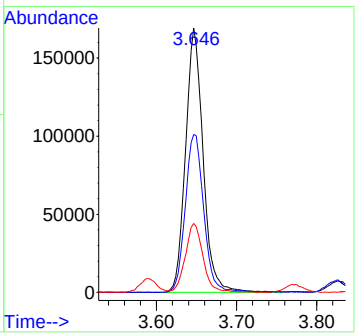


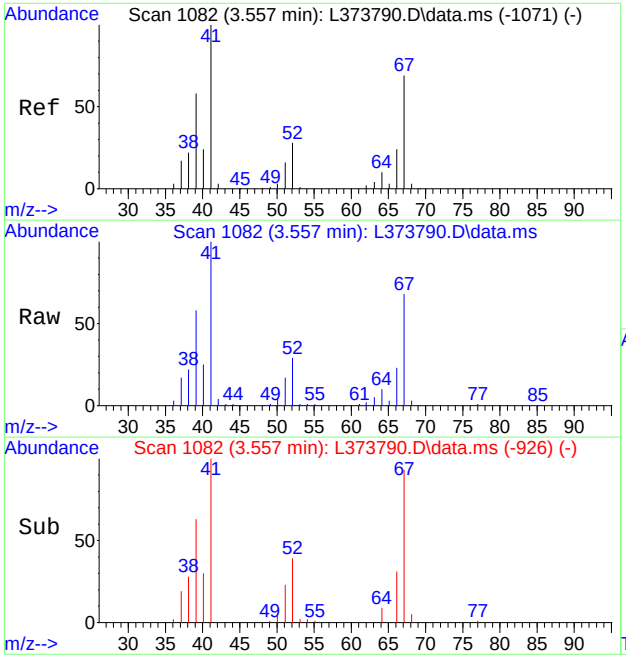


#42
chloroform
Concen: 50.00 ug/L
RT: 3.646 min Scan# 1110
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 83 Resp: 258590

Ion	Ratio	Lower	Upper
83	100		
85	59.7	29.7	89.7
47	24.6	0.0	54.6

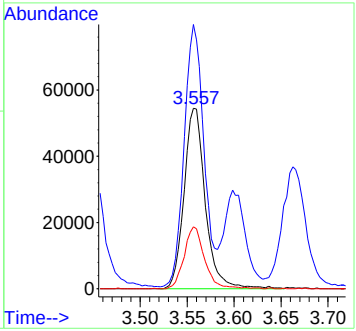


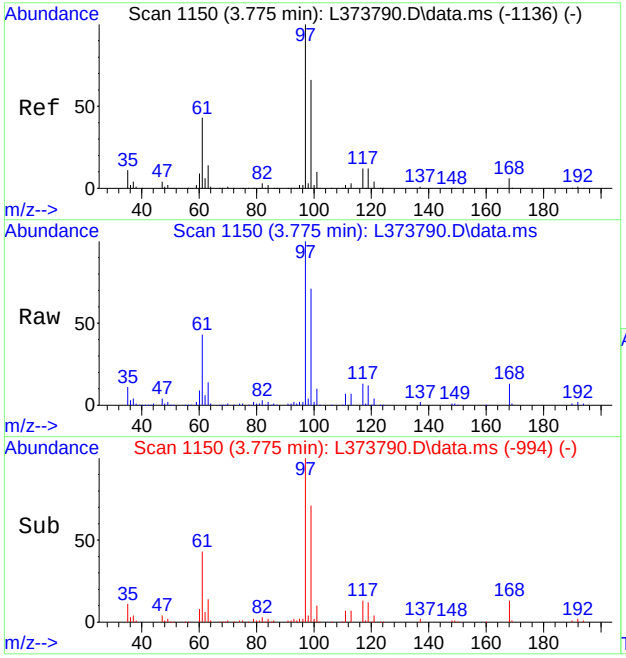


#44
methacrylonitrile
Concen: 50.00 ug/L
RT: 3.557 min Scan# 1082
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 67 Resp: 85996

Ion	Ratio	Lower	Upper
67	100		
41	145.3	115.3	175.3
66	34.3	4.3	64.3

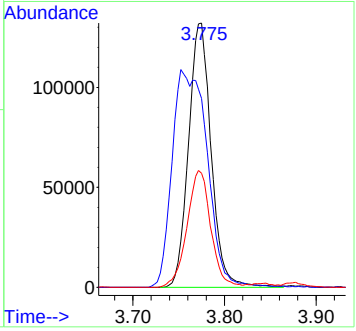


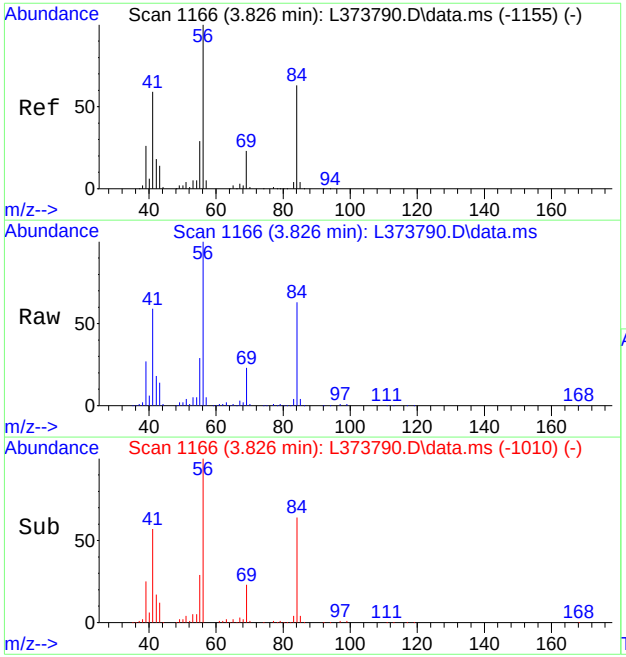


#45
1,1,1-trichloroethane
Concen: 50.00 ug/L
RT: 3.775 min Scan# 1150
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 97 Resp: 227225

Ion	Ratio	Lower	Upper
97	100		
99	71.0	41.0	101.0
61	42.9	12.9	72.9

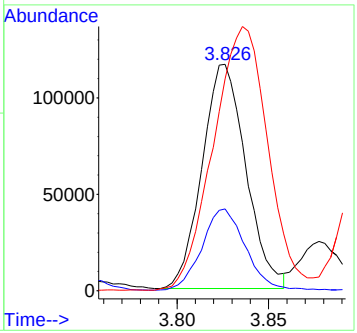


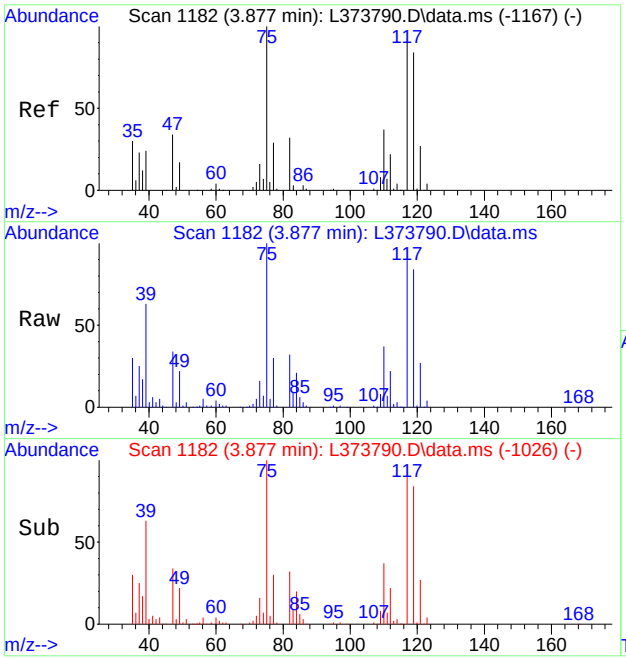


#46
cyclohexane
Concen: 48.99 ug/L
RT: 3.826 min Scan# 1166
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 84 Resp: 194085

Ion	Ratio	Lower	Upper
84	100		
69	36.2	16.2	56.2
41	93.6	73.6	113.6

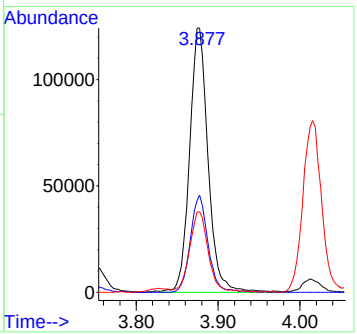


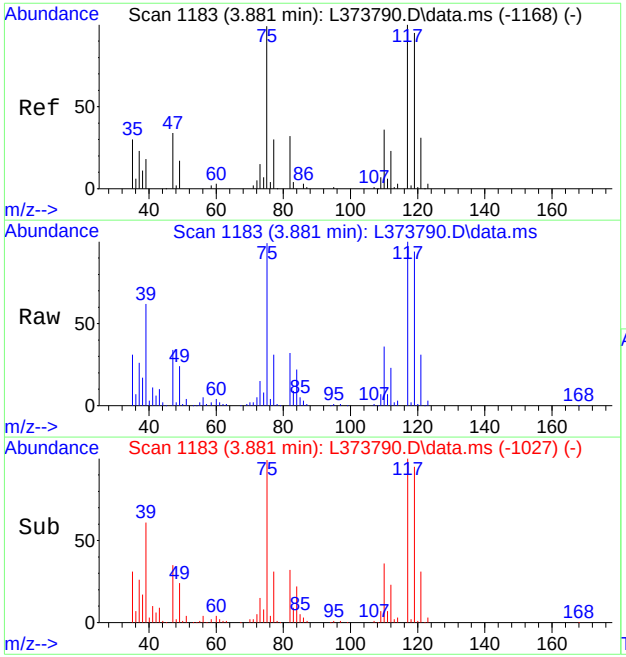


#47
1,1-dichloropropene
Concen: 50.00 ug/L
RT: 3.877 min Scan# 1182
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 75 Resp: 195653

Ion	Ratio	Lower	Upper
75	100		
110	37.0	17.0	57.0
77	30.2	10.2	50.2

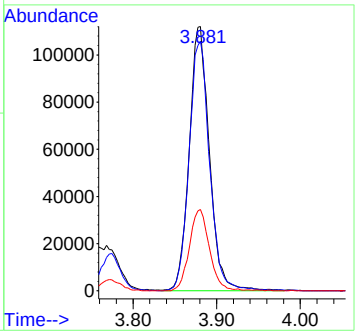


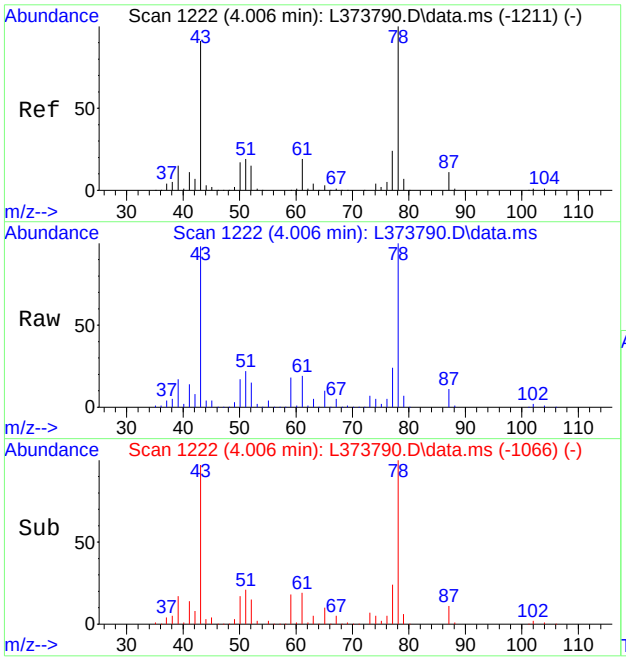


#48
carbon tetrachloride
Concen: 50.00 ug/L
RT: 3.881 min Scan# 1183
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion:117 Resp: 188536

Ion	Ratio	Lower	Upper
117	100		
119	94.4	74.4	114.4
121	30.8	10.8	50.8

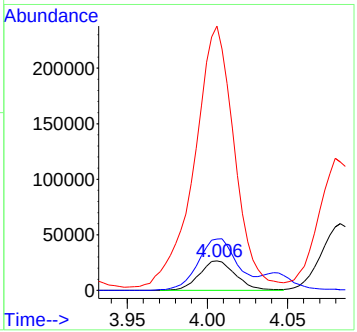


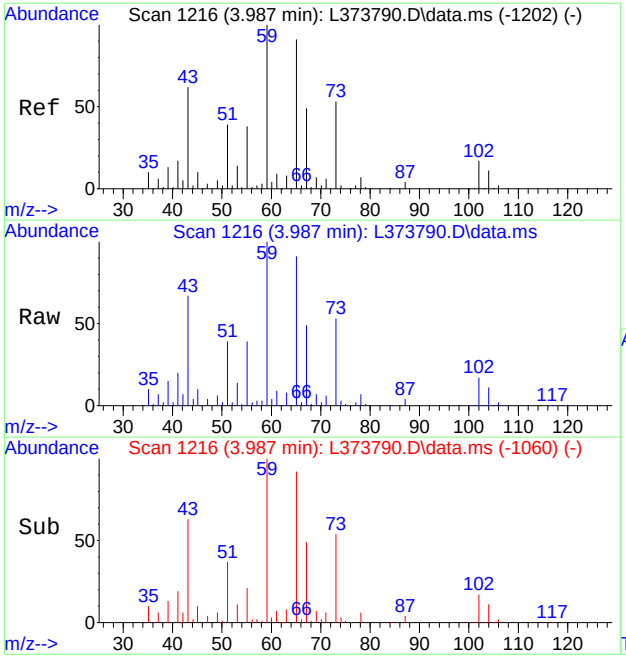


#49
isopropyl acetate
Concen: 50.00 ug/L
RT: 4.006 min Scan# 1222
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 87 Resp: 41908

Ion	Ratio	Lower	Upper
87	100		
61	172.1	154.9	194.9
43	874.1	869.9	929.9

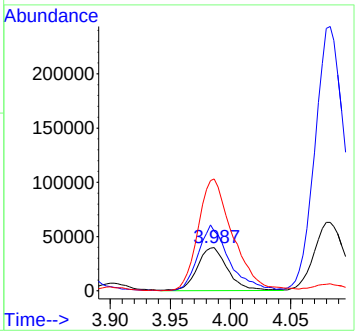


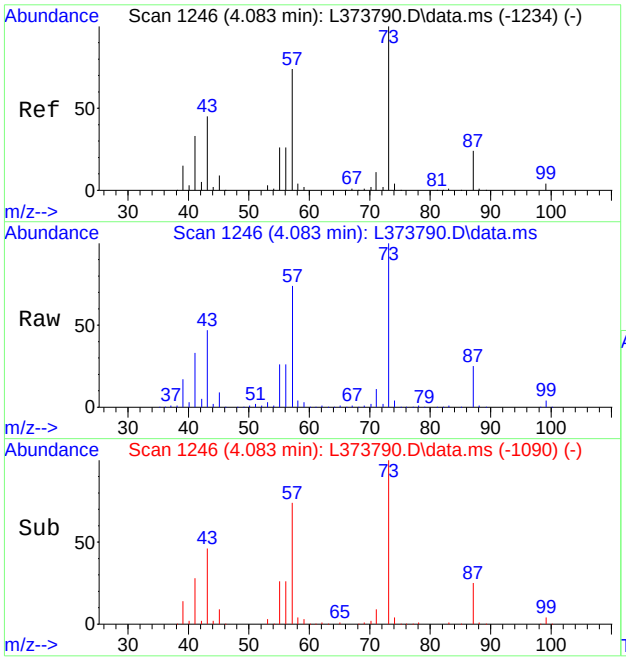


#50
tert amyl alcohol
Concen: 241.46 ug/L
RT: 3.987 min Scan# 1216
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 55 Resp: 69192

Ion	Ratio	Lower	Upper
55	100		
73	139.2	118.3	158.3
59	262.0	238.9	278.9

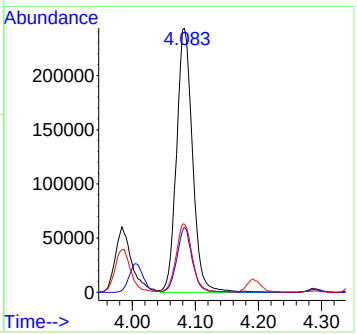


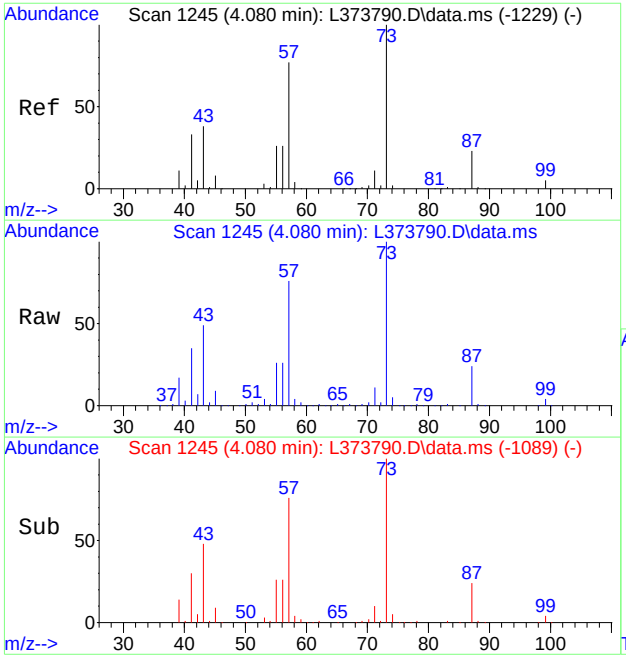


#53
tert-amyl methyl ether
Concen: 50.00 ug/L
RT: 4.083 min Scan# 1246
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 73 Resp: 430483

Ion	Ratio	Lower	Upper
73	100		
87	24.6	4.6	44.6
55	25.7	5.7	45.7

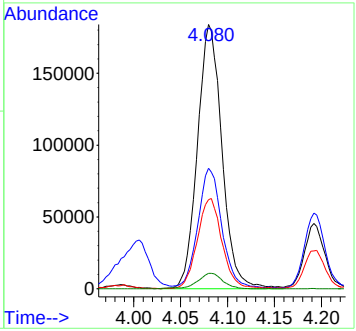


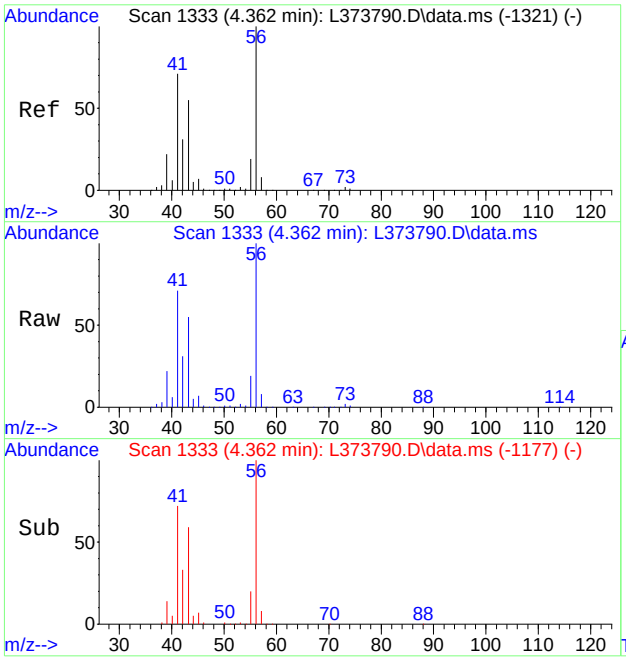


#54
2,2,4-trimethylpentane
Concen: 50.00 ug/L
RT: 4.080 min Scan# 1245
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 57 Resp: 334798

Ion	Ratio	Lower	Upper
57	100		
41	45.1	25.1	65.1
56	33.8	13.8	53.8
99	5.9	0.0	25.9

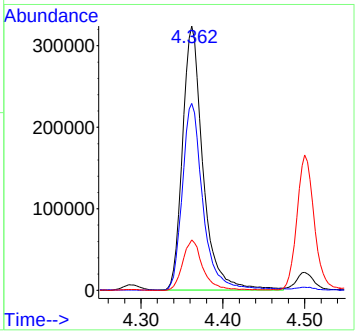


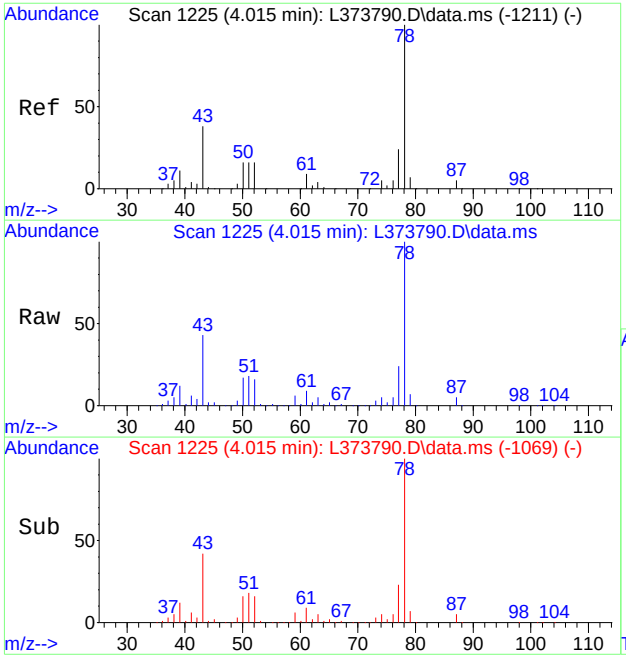


#55
n-butyl alcohol
Concen: 2500.00 ug/L
RT: 4.362 min Scan# 1333
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 56 Resp: 563577

Ion	Ratio	Lower	Upper
56	100		
41	70.6	40.6	100.6
55	19.1	0.0	49.1

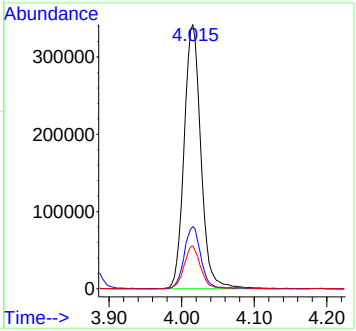


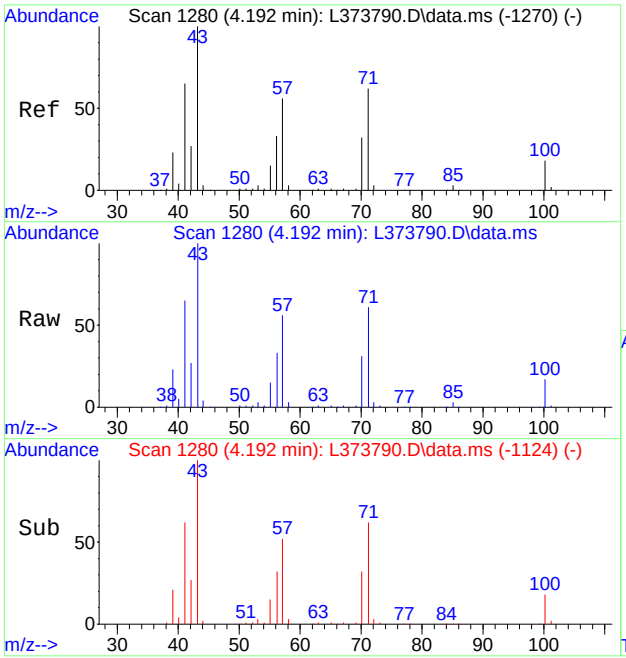


#56
benzene
Concen: 50.00 ug/L
RT: 4.015 min Scan# 1225
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 78 Resp: 552096

Ion	Ratio	Lower	Upper
78	100		
77	23.5	0.0	53.5
52	16.2	0.0	46.2

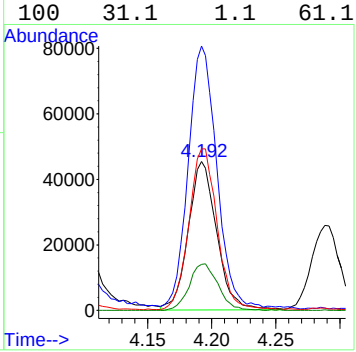


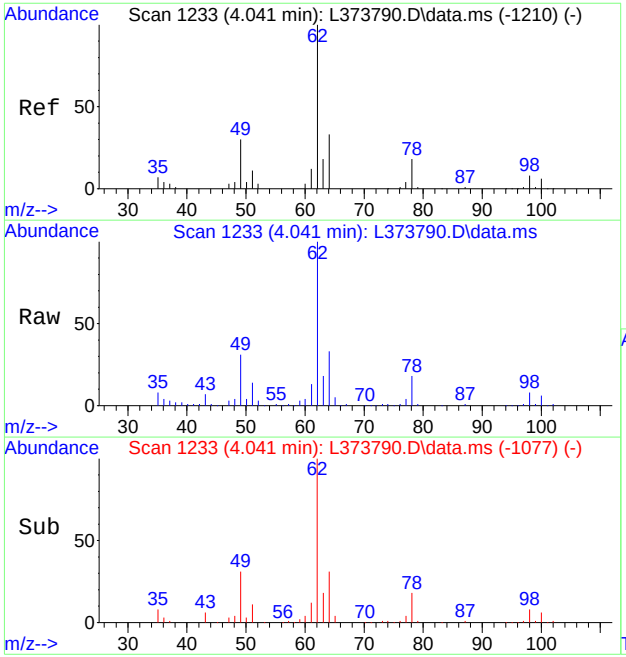


#57
heptane
Concen: 50.00 ug/L
RT: 4.192 min Scan# 1280
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 57 Resp: 69787

Ion	Ratio	Lower	Upper
57	100		
43	176.8	146.8	206.8
71	108.5	78.5	138.5
100	31.1	1.1	61.1

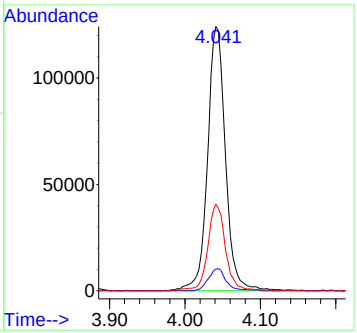


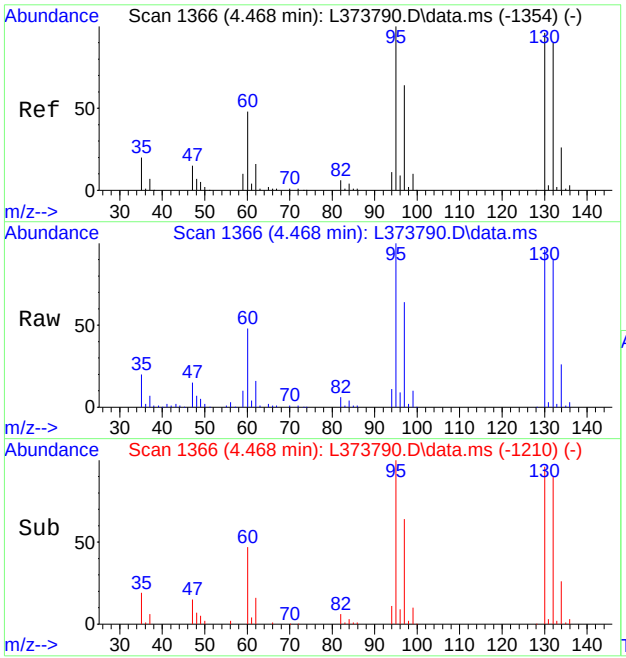


#58
1,2-dichloroethane
Concen: 50.00 ug/L
RT: 4.041 min Scan# 1233
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 62 Resp: 205235

Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	38.1
64	32.8	2.8	62.8

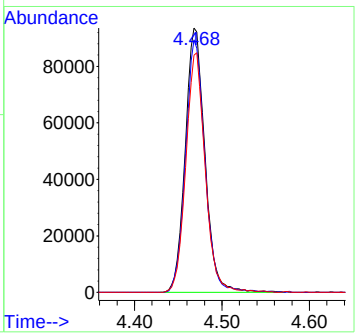


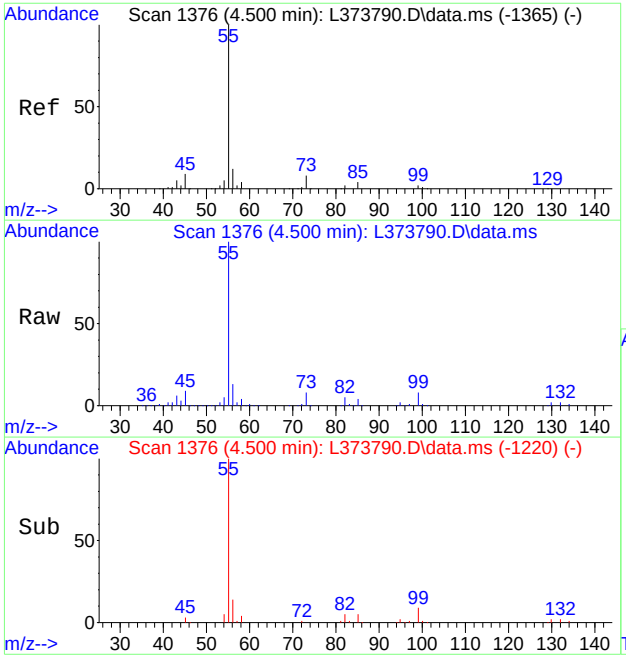


#59
trichloroethene
Concen: 50.00 ug/L
RT: 4.468 min Scan# 1366
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 95 Resp: 146922

Ion	Ratio	Lower	Upper
95	100		
130	95.5	65.5	125.5
132	89.7	59.7	119.7

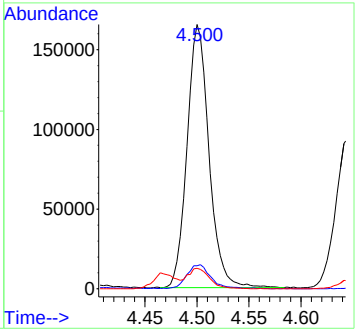


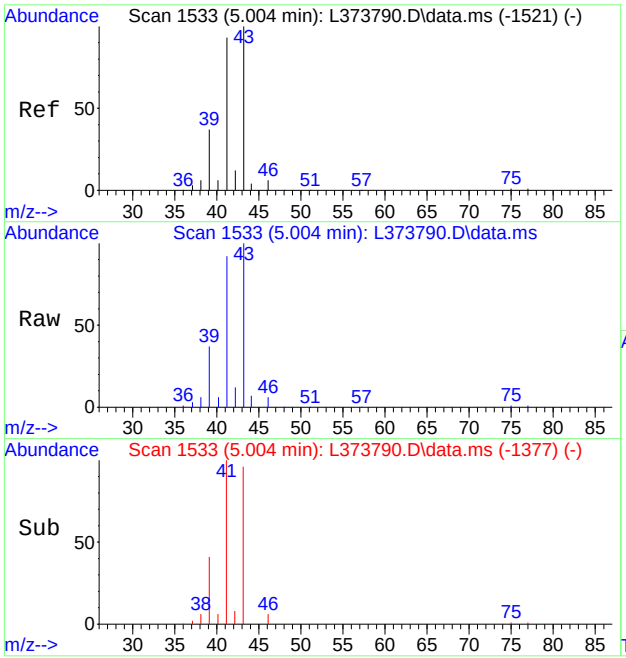


#60
ethyl acrylate
Concen: 50.00 ug/L
RT: 4.500 min Scan# 1376
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 55 Resp: 242728

Ion	Ratio	Lower	Upper
55	100		
45	8.6	0.0	28.6
99	7.8	0.0	27.8

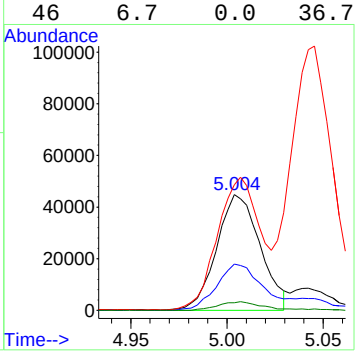


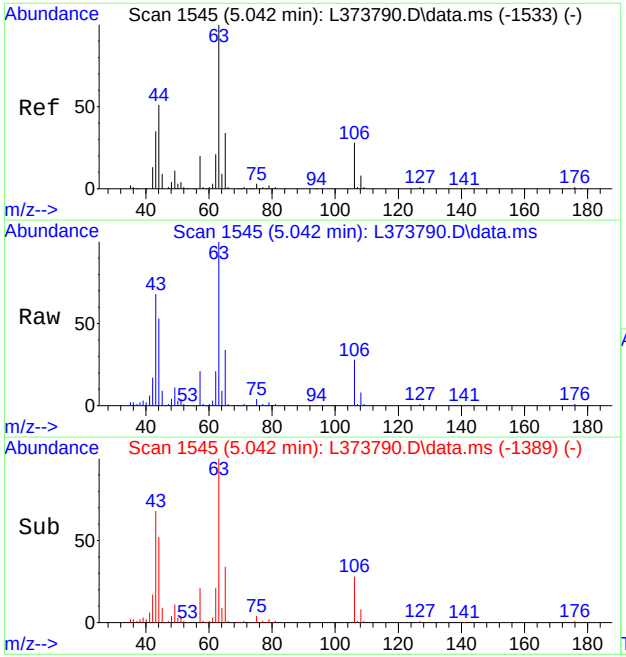


#61
2-nitropropane
Concen: 49.11 ug/L
RT: 5.004 min Scan# 1533
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 41 Resp: 70778

Ion	Ratio	Lower	Upper
41	100		
39	40.0	10.0	70.0
43	107.9	77.9	137.9
46	6.7	0.0	36.7

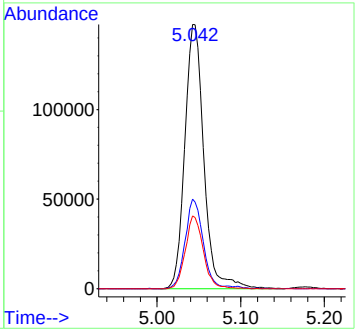


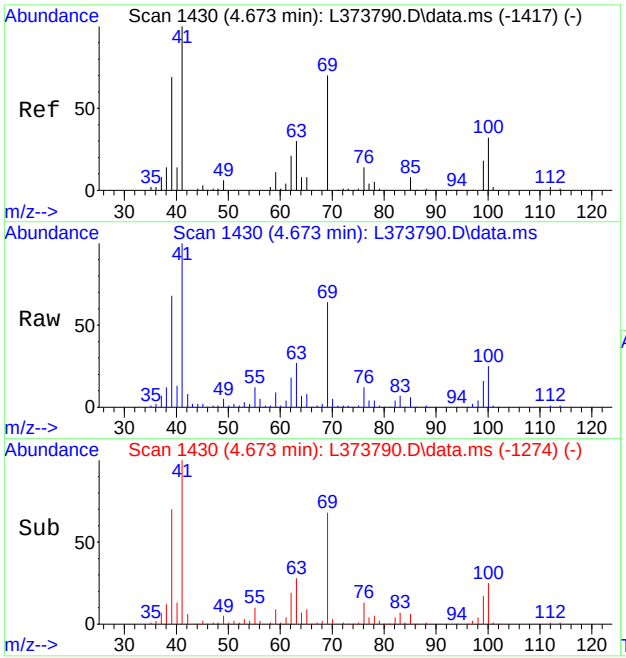


#62
2-chloroethyl vinyl ether
Concen: 250.00 ug/L
RT: 5.042 min Scan# 1545
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 63 Resp: 234305

Ion	Ratio	Lower	Upper
63	100		
65	33.9	3.9	63.9
106	27.6	0.0	57.6

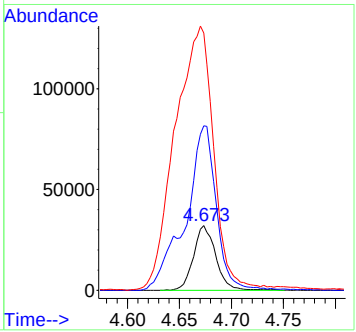


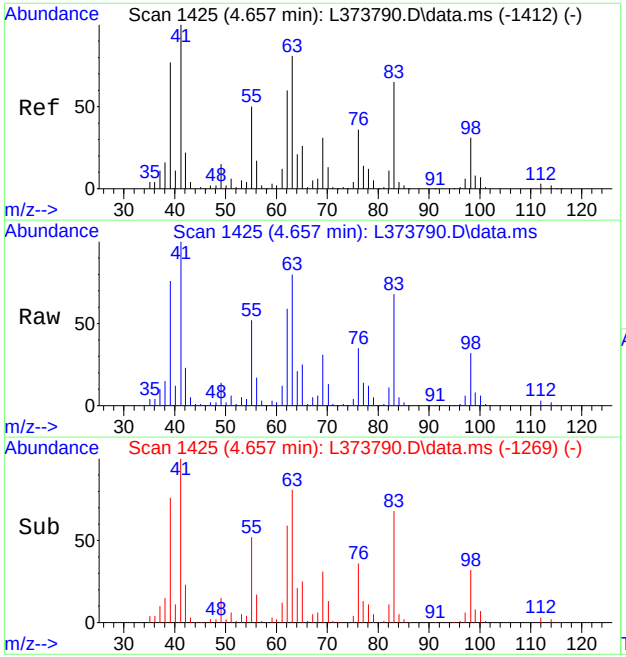


#63
methyl methacrylate
Concen: 50.00 ug/L
RT: 4.673 min Scan# 1430
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion:100 Resp: 48310

Ion	Ratio	Lower	Upper
100	100		
69	251.2	221.2	281.2
41	390.4	360.4	420.4

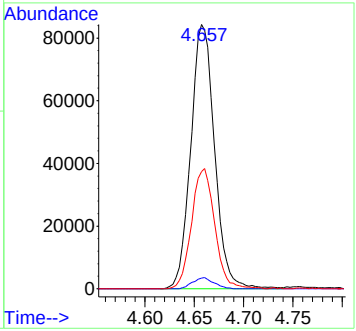


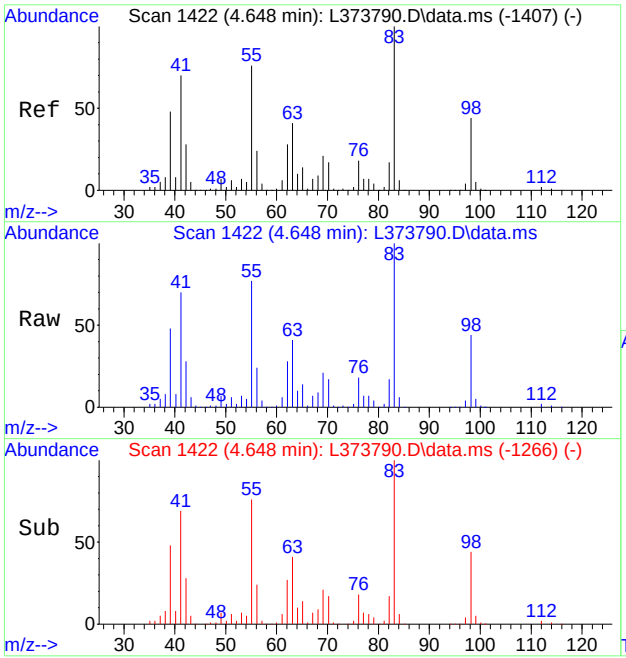


#64
1,2-dichloropropane
Concen: 50.26 ug/L
RT: 4.657 min Scan# 1425
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 63 Resp: 141792

Ion	Ratio	Lower	Upper
63	100		
112	4.1	0.0	34.1
76	44.3	14.3	74.3

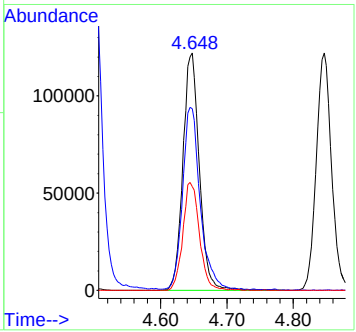


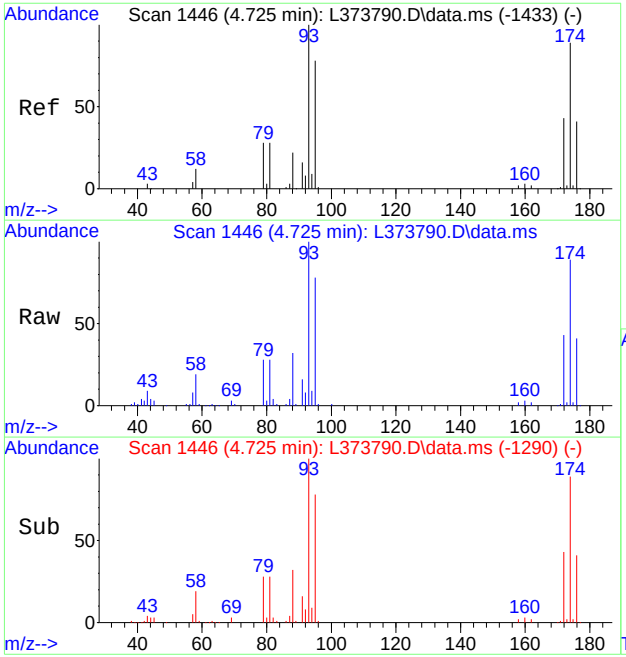


#65
methylcyclohexane
Concen: 50.00 ug/L
RT: 4.648 min Scan# 1422
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 83 Resp: 210455

Ion	Ratio	Lower	Upper
83	100		
55	76.3	46.3	106.3
98	43.7	13.7	73.7

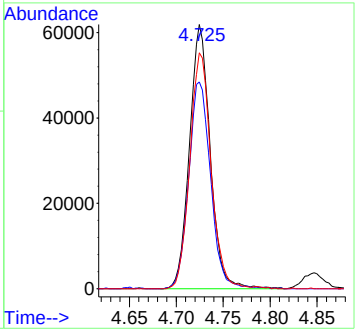


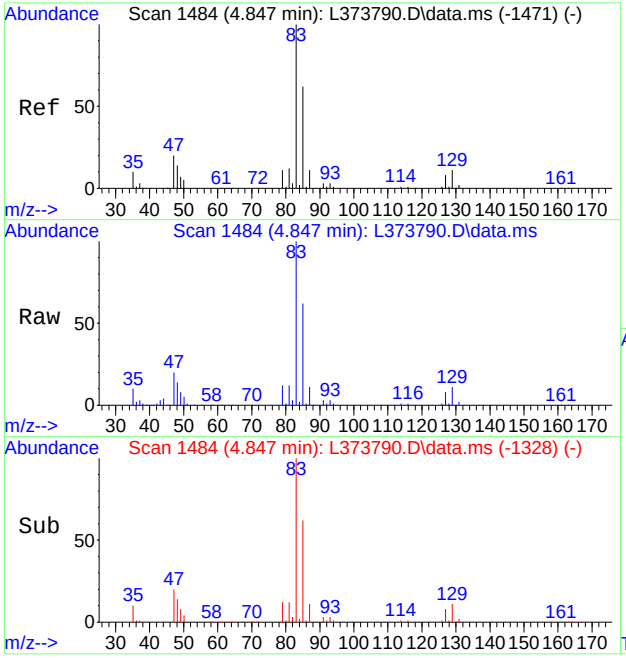


#66
dibromomethane
Concen: 50.00 ug/L
RT: 4.725 min Scan# 1446
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 93 Resp: 95331

Ion	Ratio	Lower	Upper
93	100		
95	78.3	48.3	108.3
174	89.2	59.2	119.2

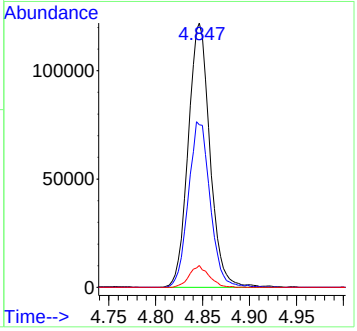


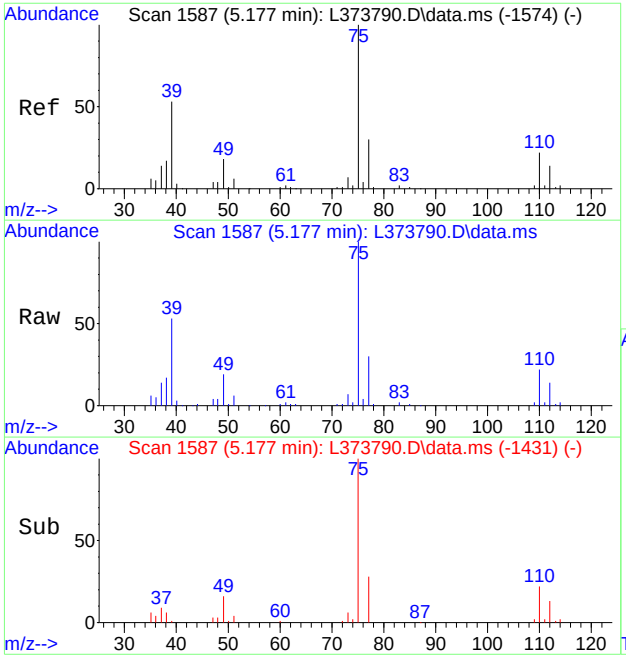


#67
bromodichloromethane
Concen: 50.00 ug/L
RT: 4.847 min Scan# 1484
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 83 Resp: 196510

Ion	Ratio	Lower	Upper
83	100		
85	61.5	31.5	91.5
127	8.3	0.0	38.3

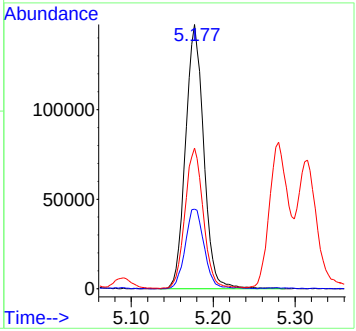


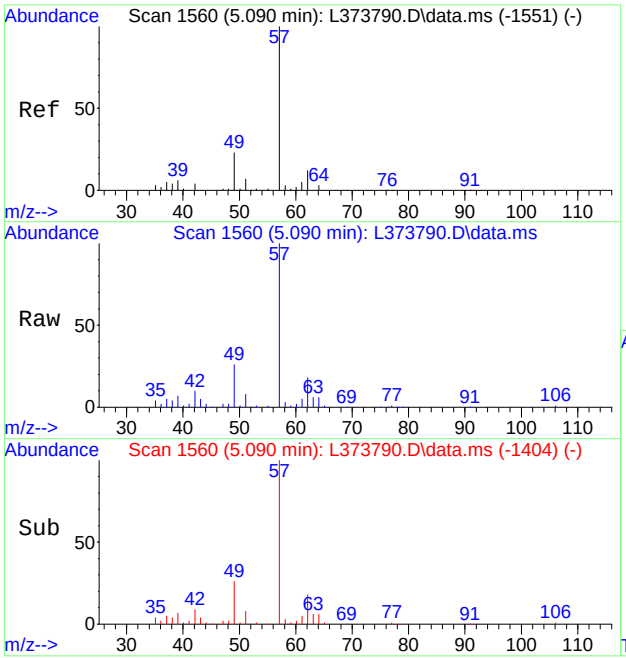


#68
cis-1,3-dichloropropene
Concen: 50.00 ug/L
RT: 5.177 min Scan# 1587
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 75 Resp: 228022

Ion	Ratio	Lower	Upper
75	100		
77	30.1	0.1	60.1
39	53.1	23.1	83.1

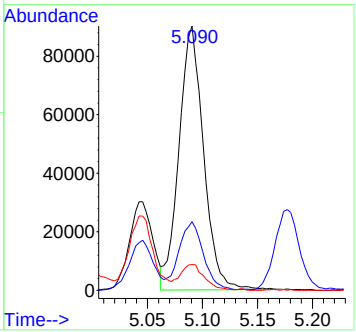


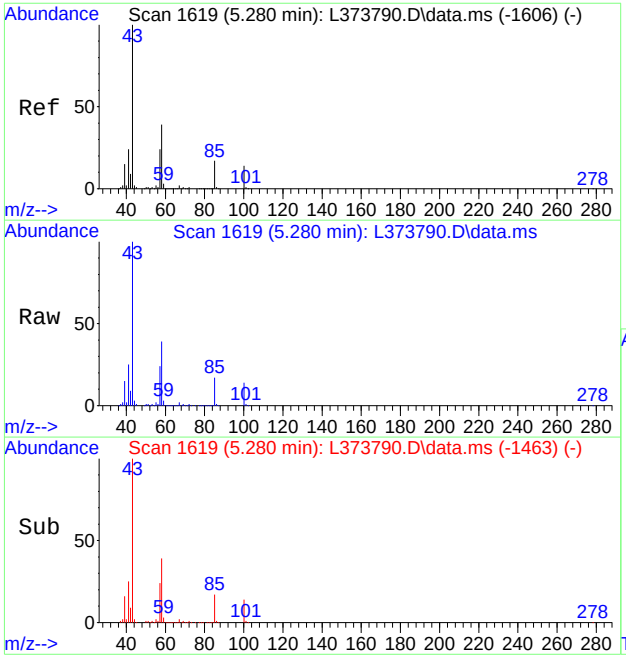


#69
epichlorohydrin
Concen: 250.00 ug/L
RT: 5.090 min Scan# 1560
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 57 Resp: 140557

Ion	Ratio	Lower	Upper
57	100		
49	21.0	1.0	41.0
42	9.5	0.0	29.5

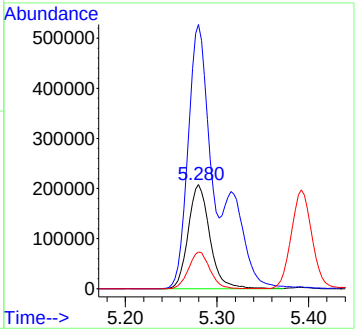


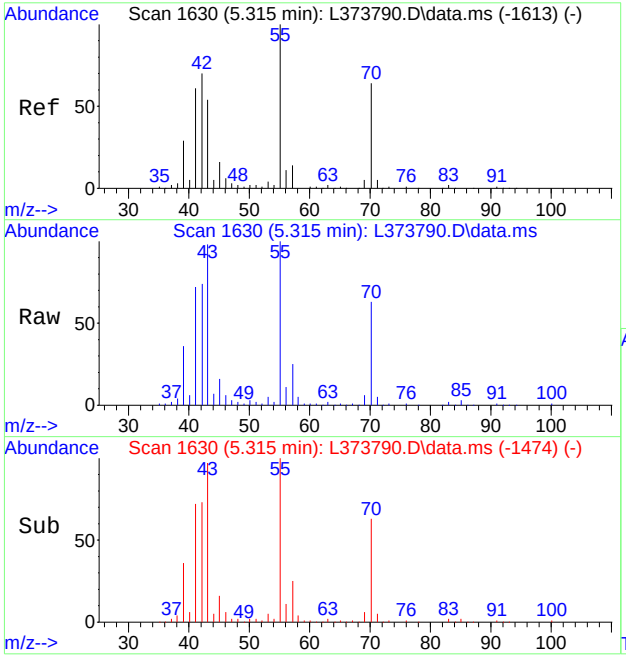


#70
4-methyl-2-pentanone
Concen: 200.93 ug/L
RT: 5.280 min Scan# 1619
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 58 Resp: 341432

Ion	Ratio	Lower	Upper
58	100		
43	253.3	233.4	273.4
100	35.2	15.2	55.2

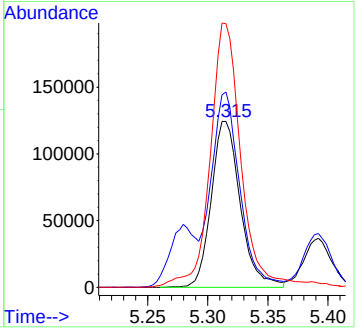


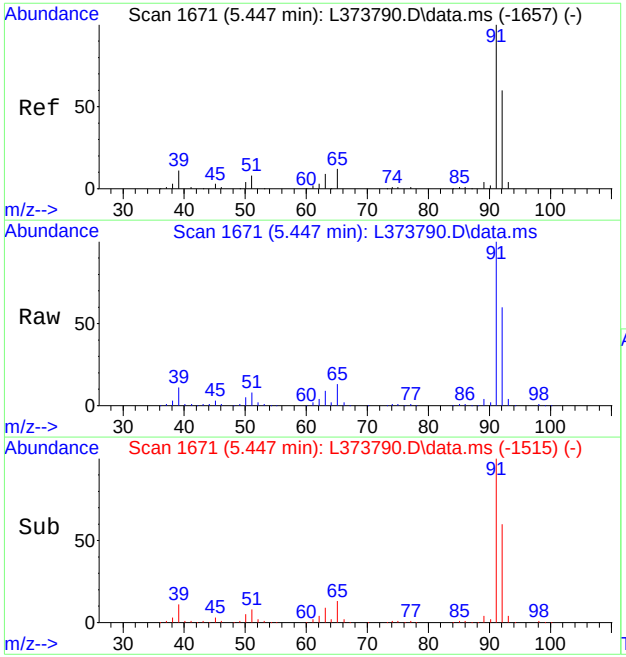


#71
3-methyl-1-butanol
Concen: 1007.16 ug/L
RT: 5.315 min Scan# 1630
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 70 Resp: 208571

Ion	Ratio	Lower	Upper
70	100		
42	114.2	97.7	137.7
55	157.5	138.8	178.8

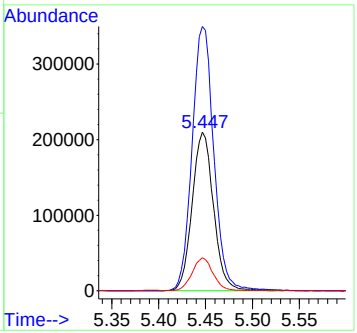


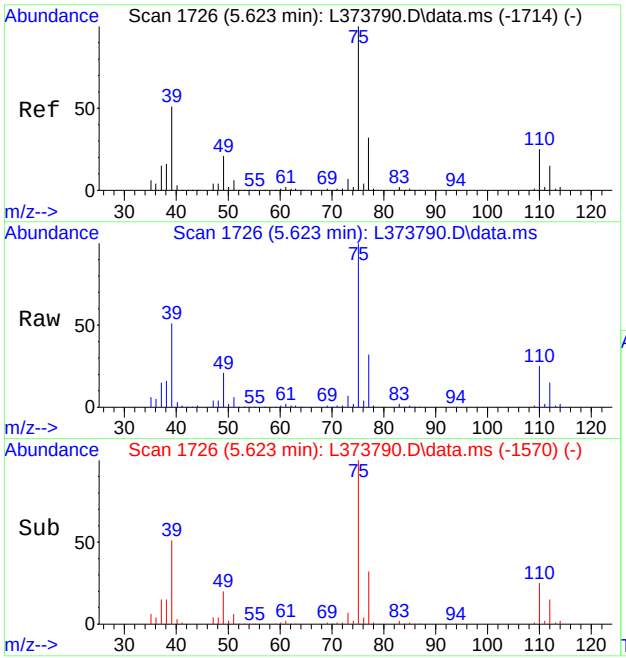


#74
toluene
Concen: 50.00 ug/L
RT: 5.447 min Scan# 1671
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 92 Resp: 333014

Ion	Ratio	Lower	Upper
92	100		
91	166.7	136.7	196.7
65	20.8	0.0	50.8

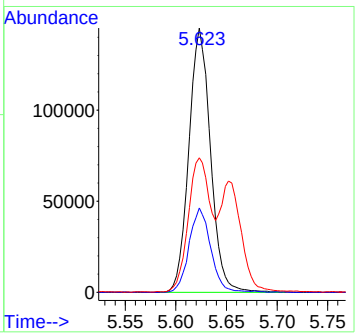


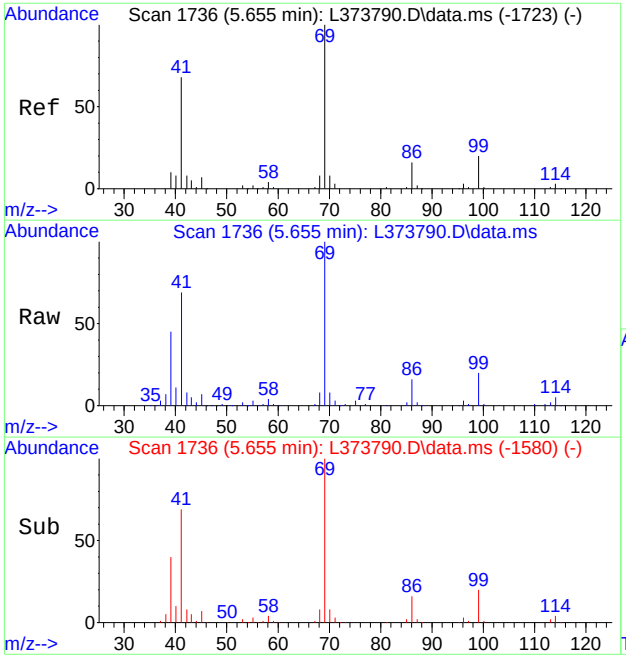


#75
trans-1,3-dichloropropene
Concen: 50.00 ug/L
RT: 5.623 min Scan# 1726
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 75 Resp: 216574

Ion	Ratio	Lower	Upper
75	100		
77	31.7	1.7	61.7
39	50.7	20.7	80.7

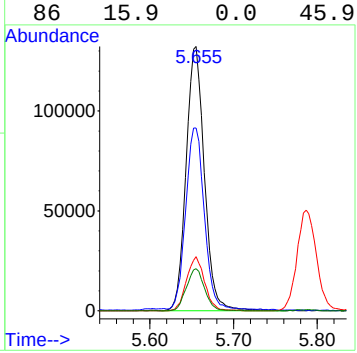


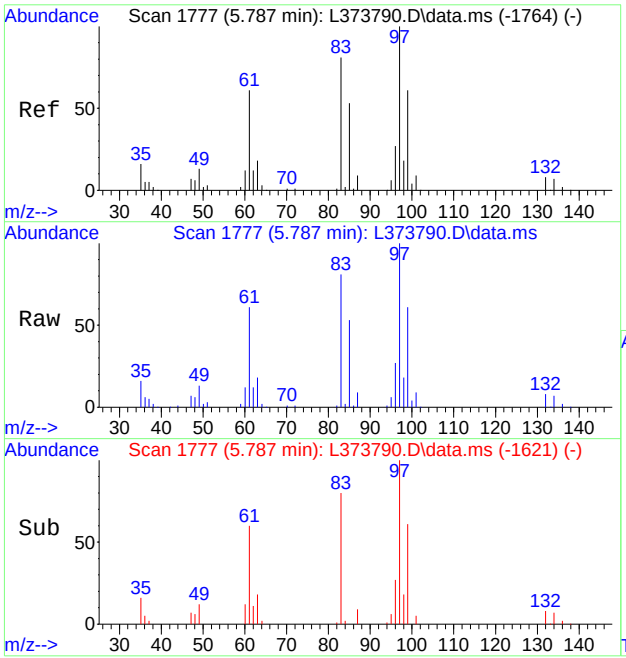


#76
ethyl methacrylate
Concen: 50.00 ug/L
RT: 5.655 min Scan# 1736
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 69 Resp: 201459

Ion	Ratio	Lower	Upper
69	100		
41	68.9	38.9	98.9
99	20.4	0.0	50.4
86	15.9	0.0	45.9

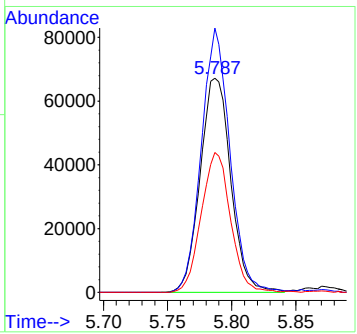


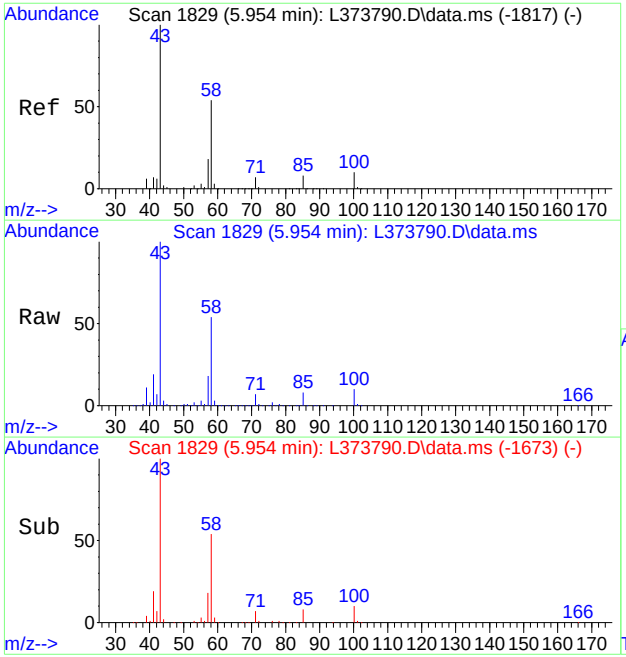


#77
1,1,2-trichloroethane
Concen: 50.00 ug/L
RT: 5.787 min Scan# 1777
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 83 Resp: 112023

Ion	Ratio	Lower	Upper
83	100		
97	123.6	93.6	153.6
85	65.4	35.4	95.4

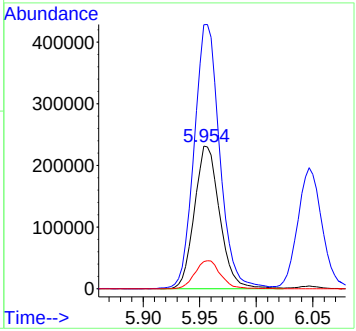


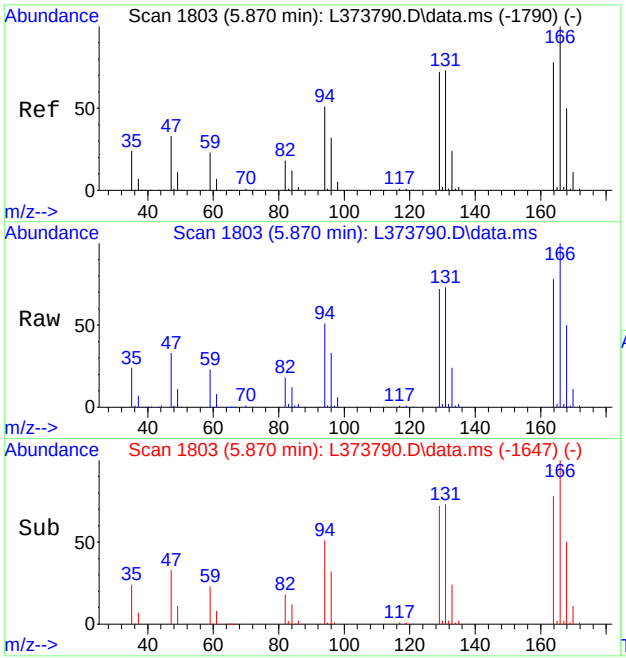


#78
2-hexanone
Concen: 200.00 ug/L
RT: 5.954 min Scan# 1829
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 58 Resp: 359719

Ion	Ratio	Lower	Upper
58	100		
43	184.6	154.6	214.6
100	19.0	0.0	49.0

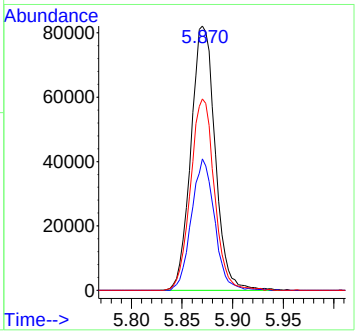


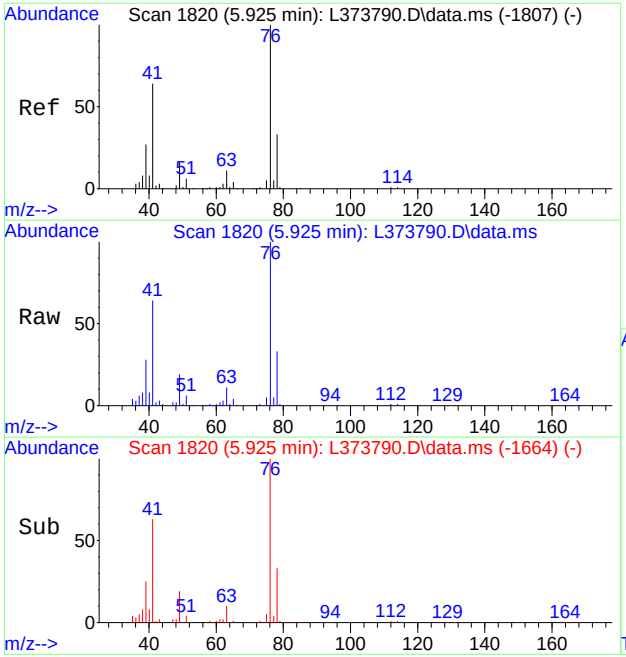


#79
tetrachloroethene
Concen: 50.00 ug/L
RT: 5.870 min Scan# 1803
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion:166 Resp: 137195

Ion	Ratio	Lower	Upper
166	100		
168	49.7	19.7	79.7
129	72.4	42.4	102.4

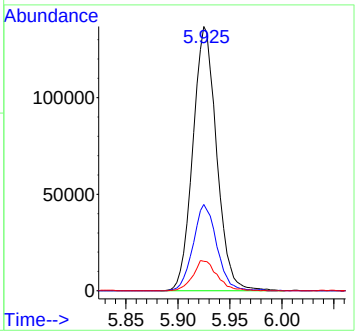


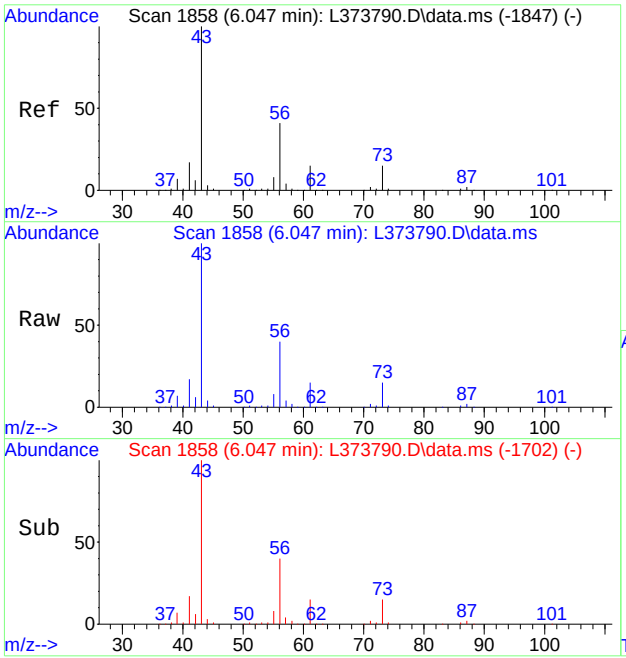


#80
1,3-dichloropropane
Concen: 50.00 ug/L
RT: 5.925 min Scan# 1820
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 76 Resp: 217989

Ion	Ratio	Lower	Upper
76	100		
78	32.7	2.7	62.7
63	11.2	0.0	41.2

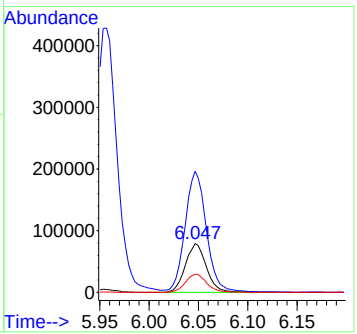


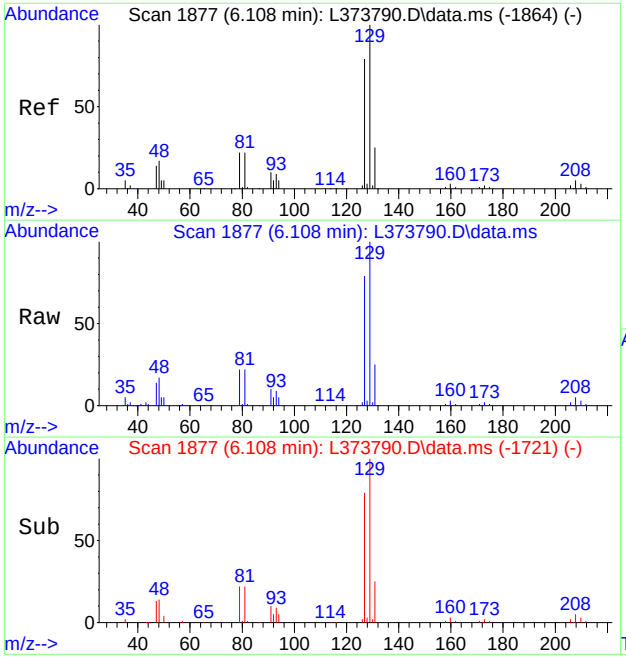


#81
butyl acetate
Concen: 50.00 ug/L
RT: 6.047 min Scan# 1858
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 56 Resp: 117763

Ion	Ratio	Lower	Upper
56	100		
43	248.3	218.3	278.3
73	37.2	7.2	67.2

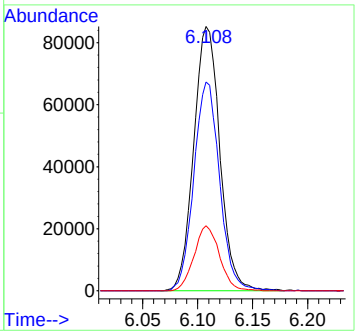


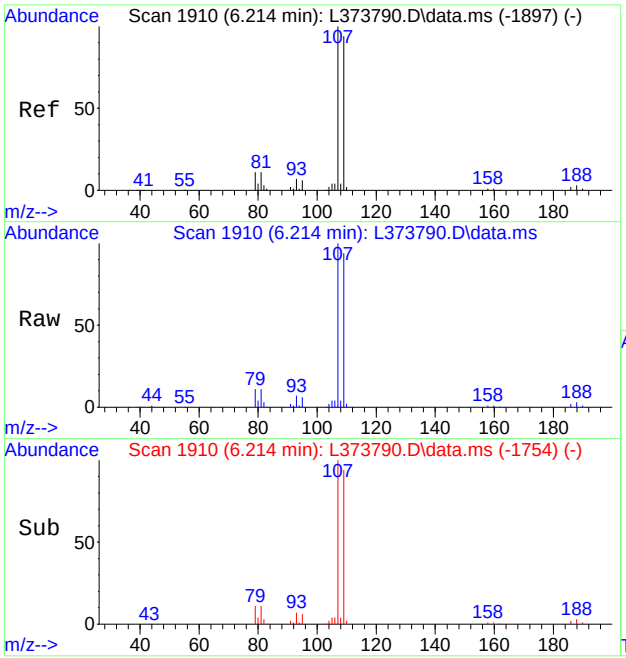


#82
dibromochloromethane
Concen: 50.00 ug/L
RT: 6.108 min Scan# 1877
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion:129 Resp: 141234

Ion	Ratio	Lower	Upper
129	100		
127	79.0	49.0	109.0
131	24.6	0.0	54.6

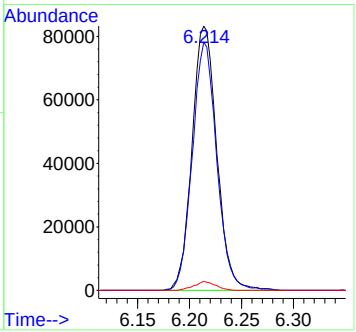


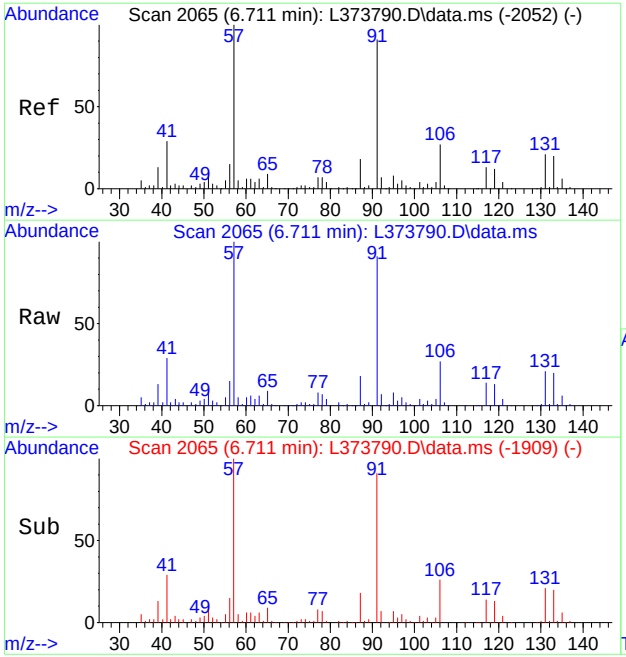


#83
1,2-dibromoethane
Concen: 50.00 ug/L
RT: 6.214 min Scan# 1910
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion:107 Resp: 138256

Ion	Ratio	Lower	Upper
107	100		
109	93.9	63.9	123.9
188	3.4	0.0	33.4

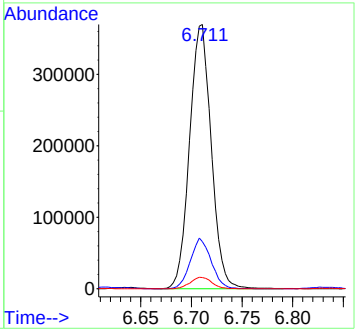


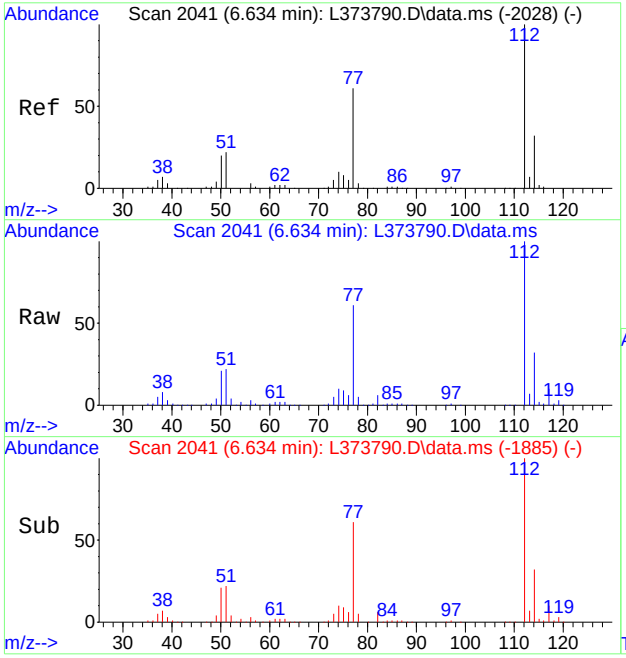


#84
n-butyl ether
Concen: 49.99 ug/L
RT: 6.711 min Scan# 2065
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 57 Resp: 552377

Ion	Ratio	Lower	Upper
57	100		
87	17.8	0.0	47.8
101	4.2	0.0	34.2

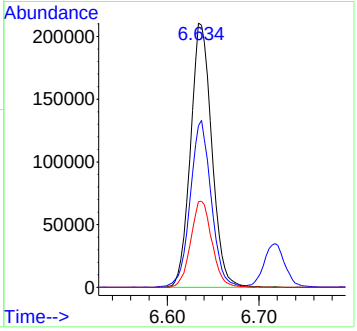


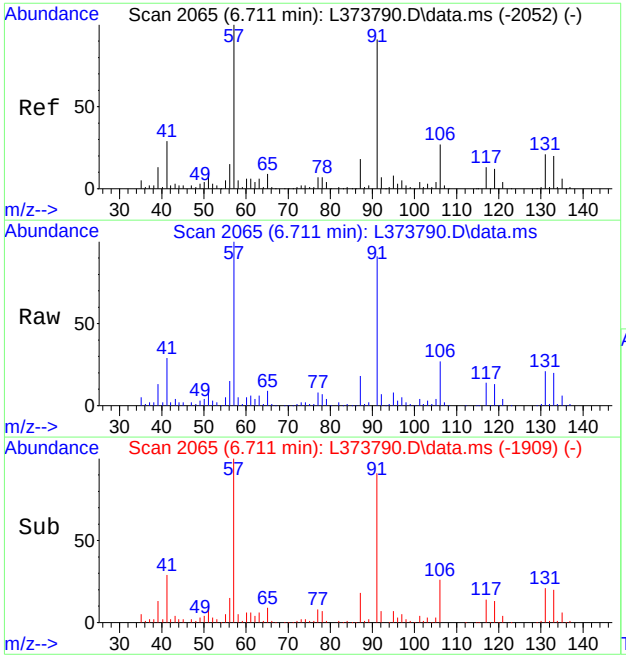


#85
chlorobenzene
Concen: 50.00 ug/L
RT: 6.634 min Scan# 2041
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion:112 Resp: 339698

Ion	Ratio	Lower	Upper
112	100		
77	60.8	30.8	90.8
114	32.4	2.4	62.4

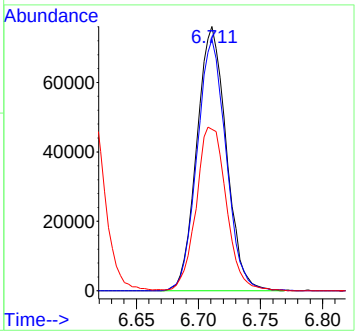


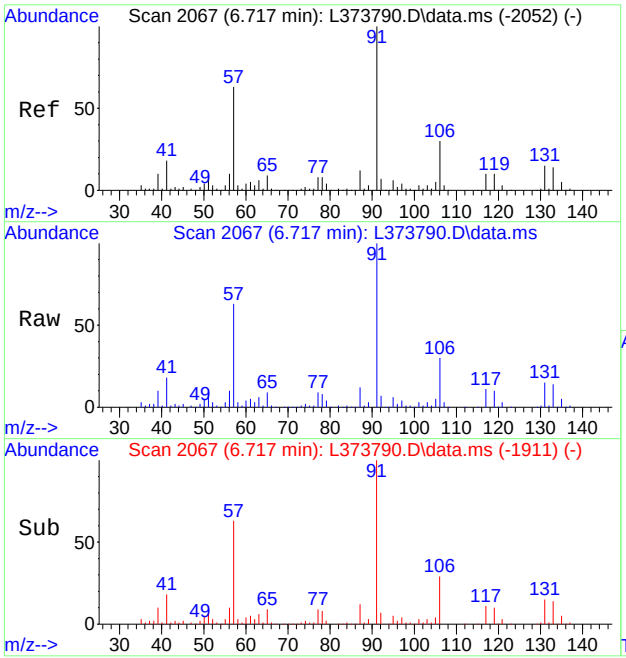


#86
1,1,1,2-tetrachloroethane
Concen: 50.00 ug/L
RT: 6.711 min Scan# 2065
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion:131 Resp: 125793

Ion	Ratio	Lower	Upper
131	100		
133	95.1	65.1	125.1
119	60.8	30.8	90.8

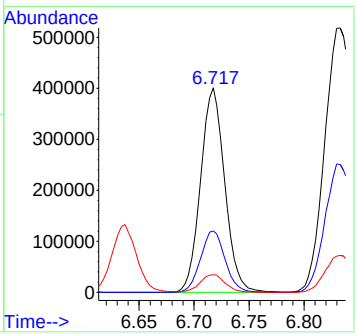


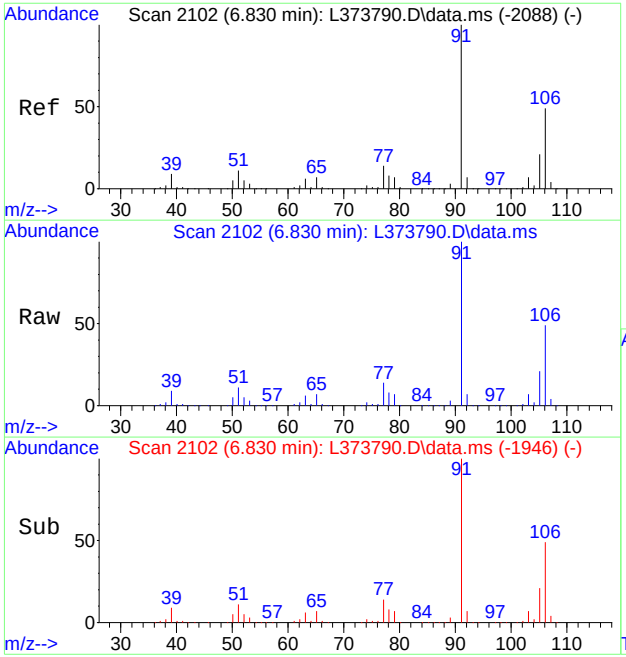


#87
ethylbenzene
Concen: 50.10 ug/L
RT: 6.717 min Scan# 2067
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 91 Resp: 613342

Ion	Ratio	Lower	Upper
91	100		
106	30.1	0.1	60.1
77	8.6	0.0	38.7

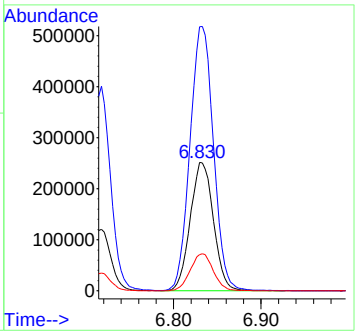


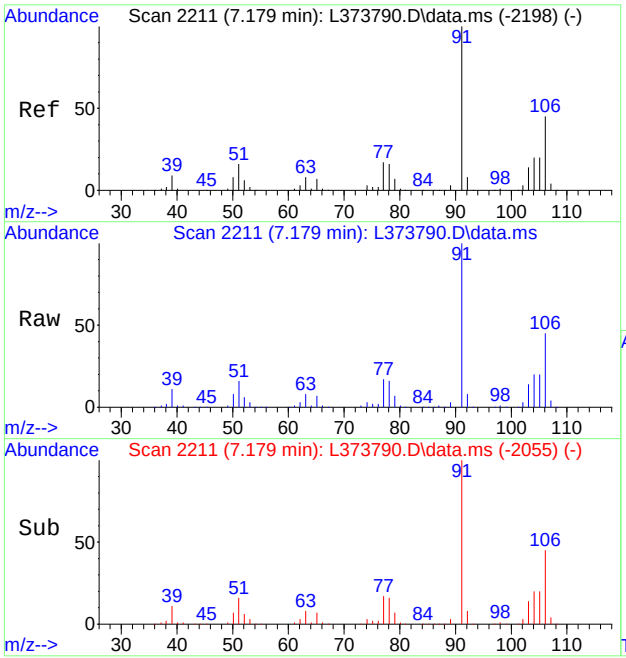


#88
m,p-xylene
Concen: 100.01 ug/L
RT: 6.830 min Scan# 2102
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion:106 Resp: 465173

Ion	Ratio	Lower	Upper
106	100		
91	205.7	175.6	235.6
77	28.1	8.2	48.2

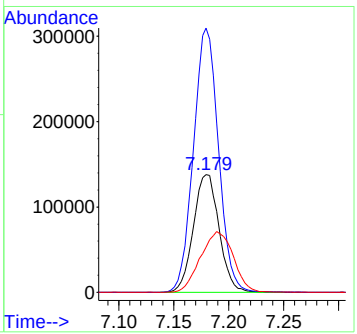


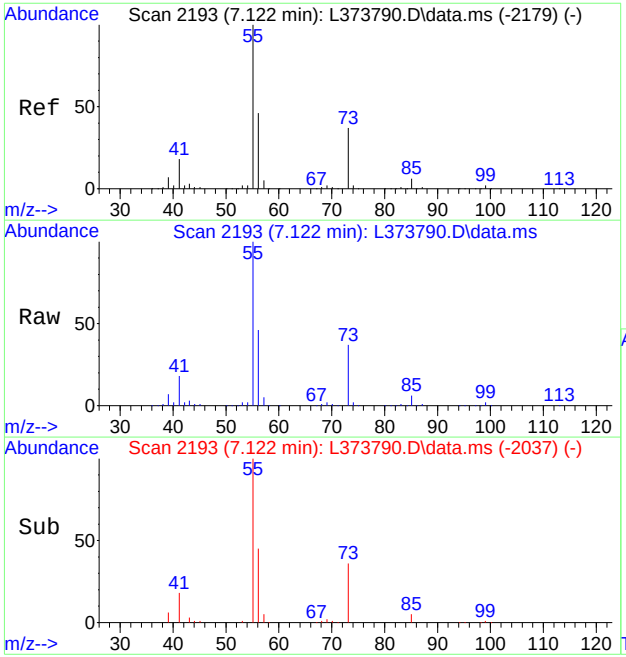


#89
o-xylene
Concen: 50.00 ug/L
RT: 7.179 min Scan# 2211
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion:106 Resp: 224447

Ion	Ratio	Lower	Upper
106	100		
91	224.5	194.5	254.5
77	38.1	18.1	58.1

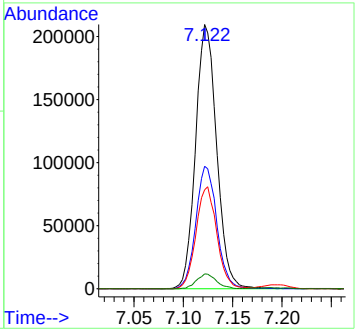


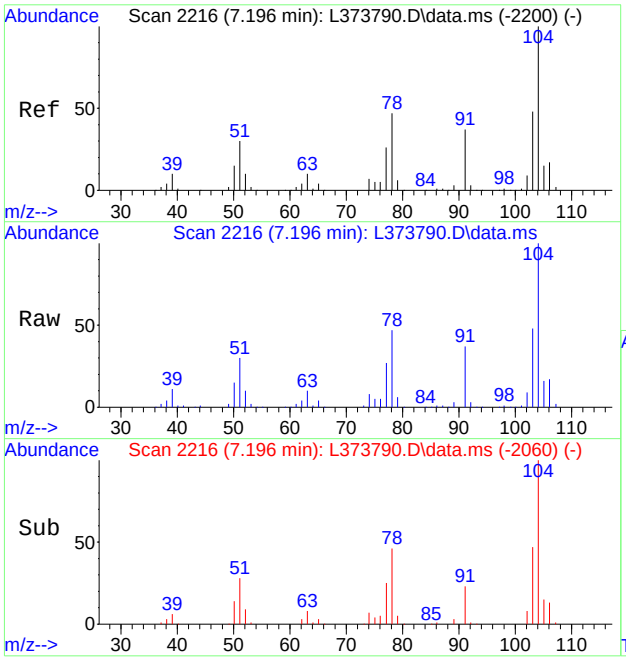


#90
butyl acrylate
Concen: 50.00 ug/L
RT: 7.122 min Scan# 2193
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 55 Resp: 312419

Ion	Ratio	Lower	Upper
55	100		
56	46.3	26.3	66.3
73	37.5	17.5	57.5
85	5.6	0.0	25.6

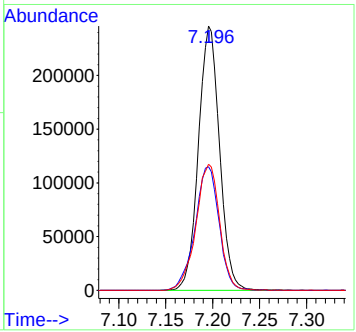


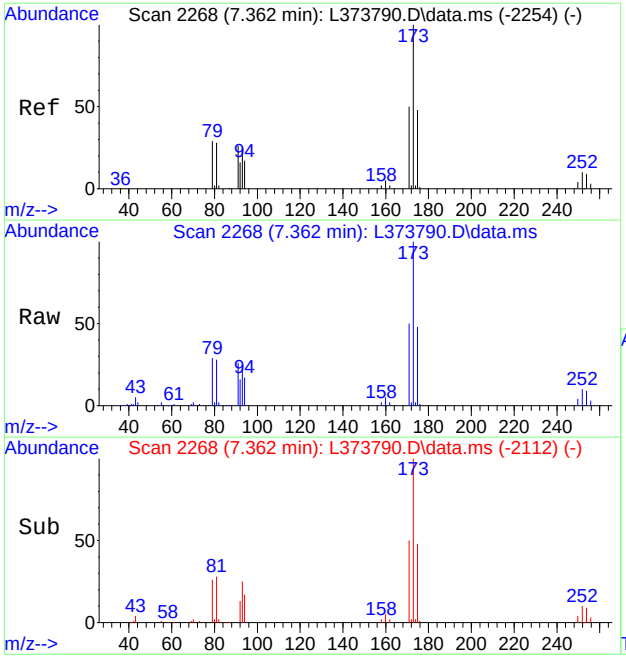


#91
styrene
Concen: 50.00 ug/L
RT: 7.196 min Scan# 2216
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion:104 Resp: 385514

Ion	Ratio	Lower	Upper
104	100		
78	46.8	16.8	76.8
103	47.7	17.7	77.7

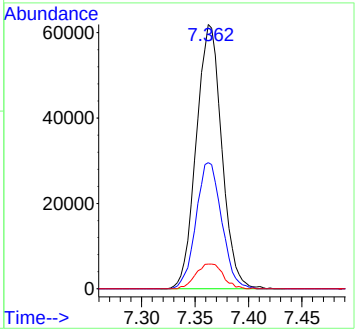


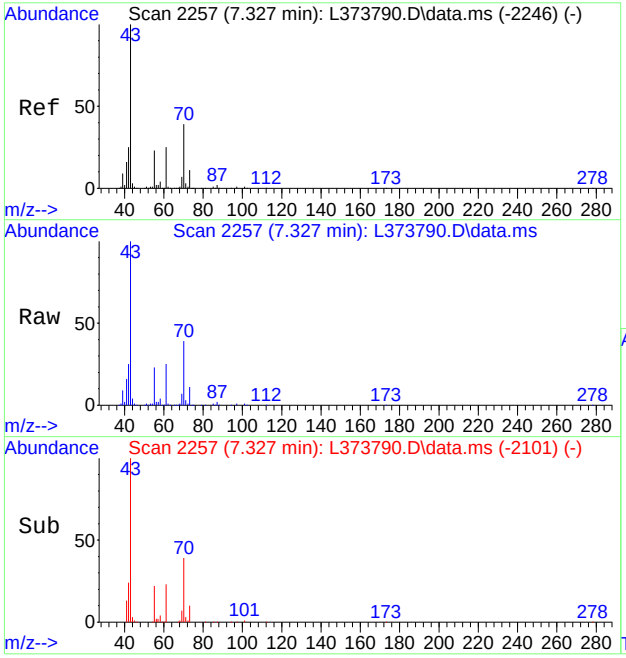


#92
bromoform
Concen: 50.00 ug/L
RT: 7.362 min Scan# 2268
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion:173 Resp: 102774

Ion	Ratio	Lower	Upper
173	100		
175	47.8	17.8	77.8
254	9.4	0.0	39.4

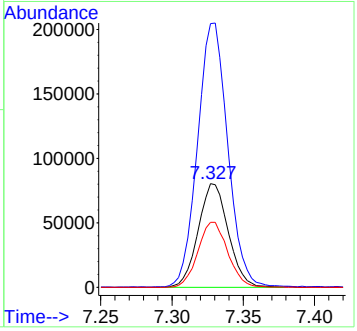


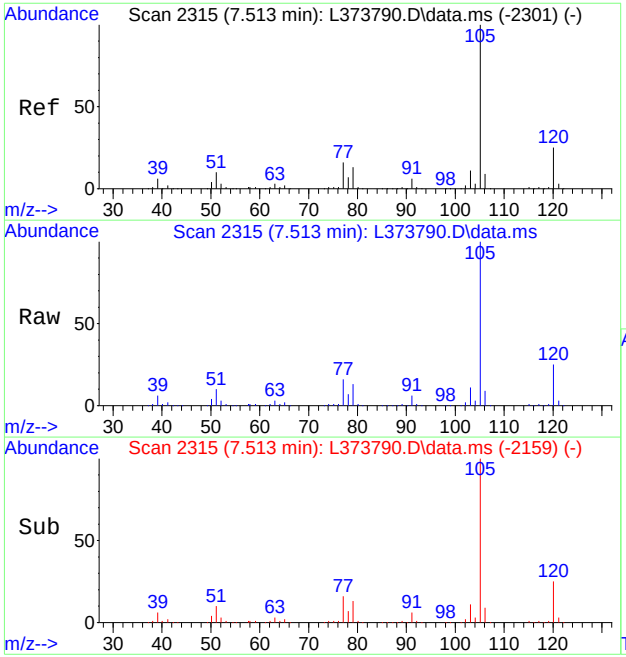


#93
n-amyl acetate
Concen: 50.00 ug/L
RT: 7.327 min Scan# 2257
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 70 Resp: 118226

Ion	Ratio	Lower	Upper
70	100		
43	253.4	233.4	273.4
61	62.6	42.6	82.6

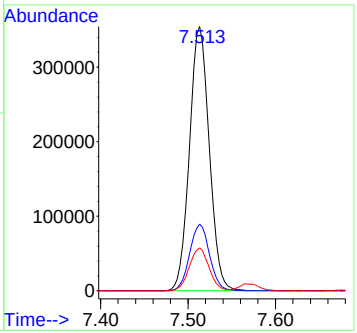


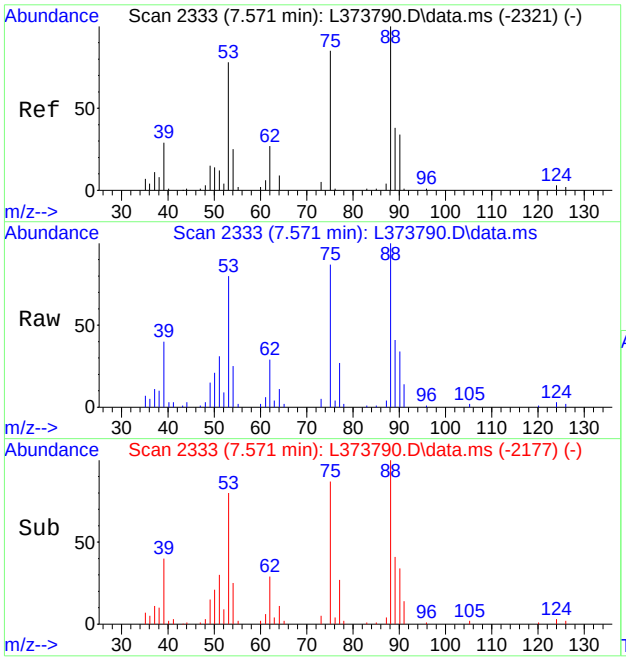


#94
isopropylbenzene
Concen: 50.00 ug/L
RT: 7.513 min Scan# 2315
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion:105 Resp: 558997

Ion	Ratio	Lower	Upper
105	100		
120	25.2	5.2	45.2
77	16.2	0.0	36.2

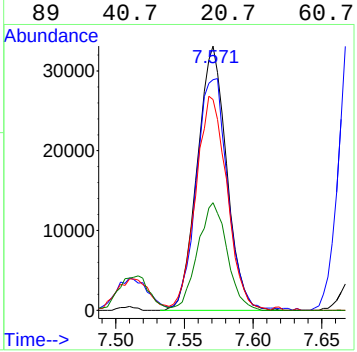


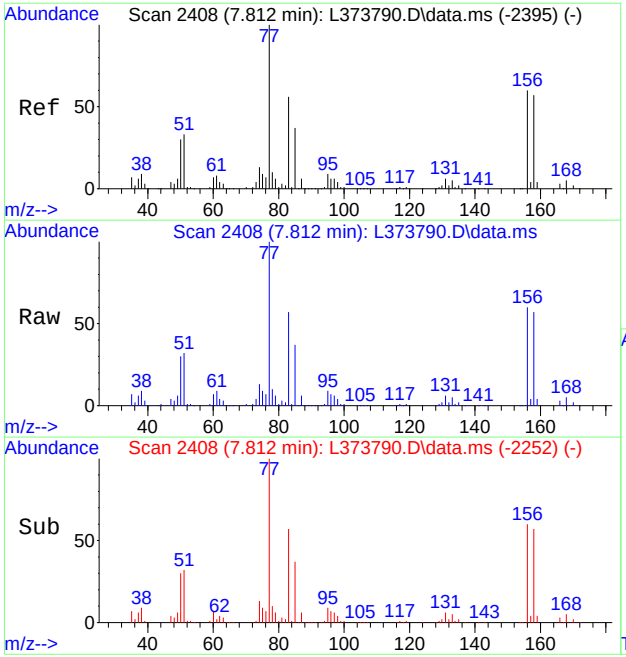


#95
cis-1,4-dichloro-2-butene
Concen: 50.00 ug/L
RT: 7.571 min Scan# 2333
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 88 Resp: 49152

Ion	Ratio	Lower	Upper
88	100		
75	86.5	66.5	106.5
53	79.7	59.7	99.7
89	40.7	20.7	60.7

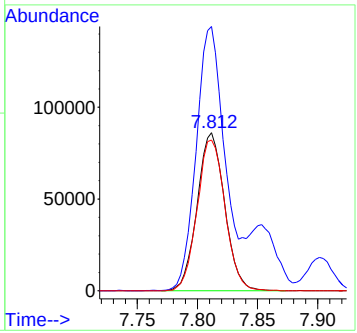


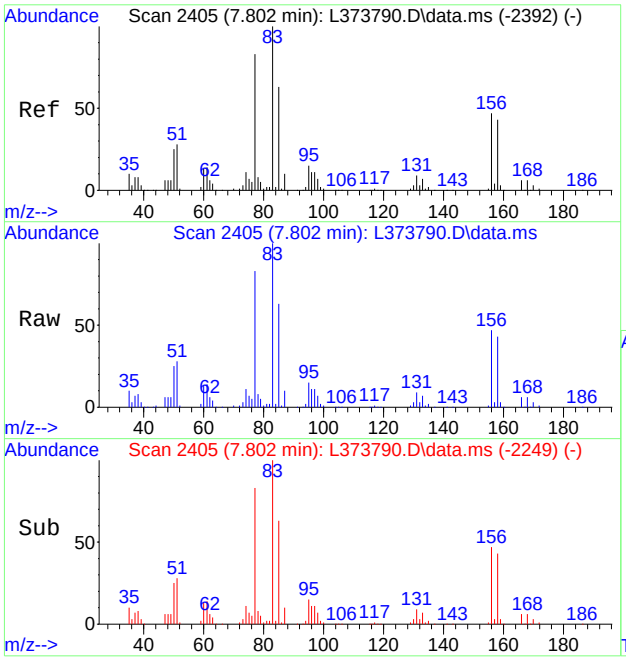


#98
bromobenzene
Concen: 50.00 ug/L
RT: 7.812 min Scan# 2408
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion:156 Resp: 136937

Ion	Ratio	Lower	Upper
156	100		
77	167.0	137.0	197.0
158	95.5	65.5	125.5

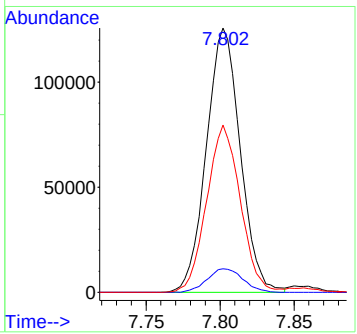


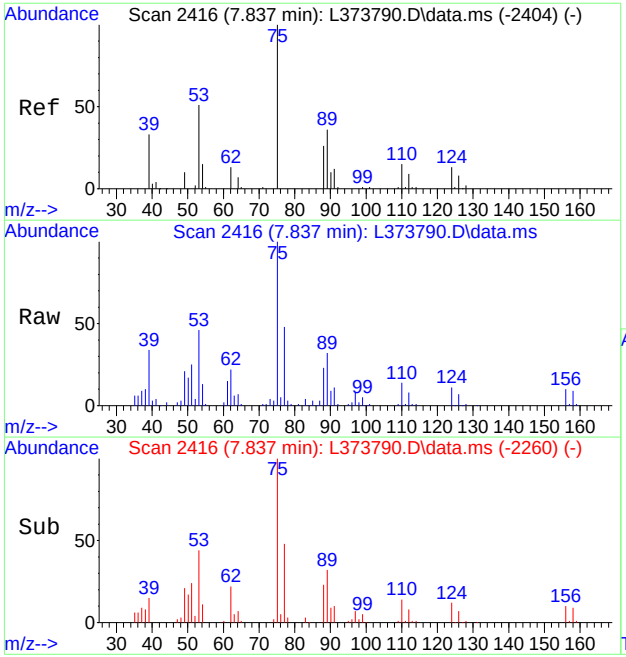


#99
1,1,2,2-tetrachloroethane
Concen: 49.88 ug/L
RT: 7.802 min Scan# 2405
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 83 Resp: 200016

Ion	Ratio	Lower	Upper
83	100		
131	8.9	0.0	38.9
85	63.3	33.3	93.3

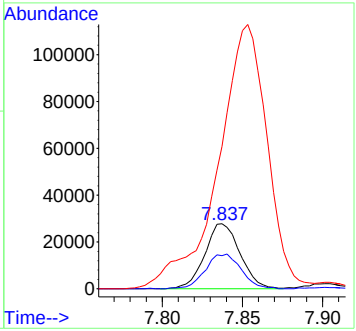


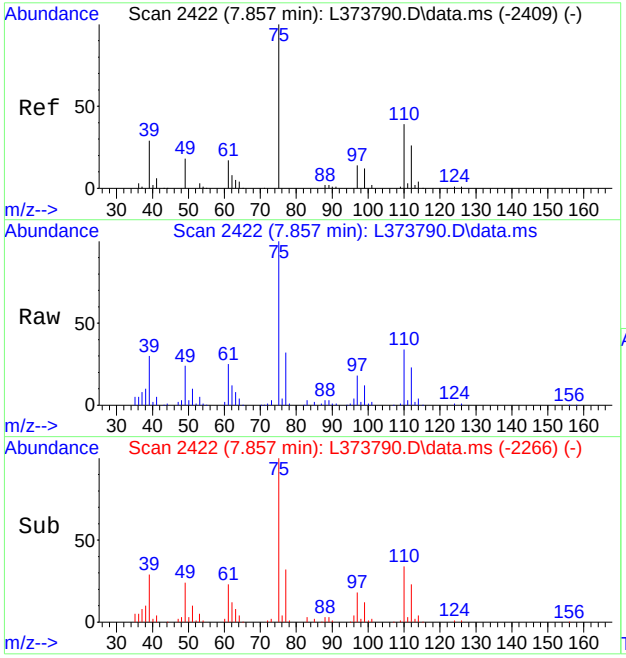


#100
trans-1,4-dichloro-2-butene
Concen: 50.06 ug/L
RT: 7.837 min Scan# 2416
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 53 Resp: 42544

Ion	Ratio	Lower	Upper
53	100		
88	51.0	21.0	81.0
75	195.8	188.7	248.7

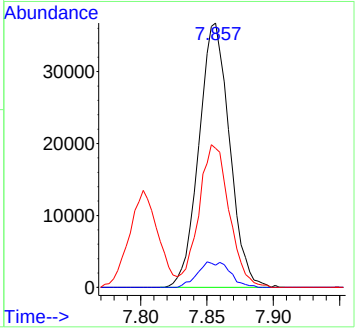


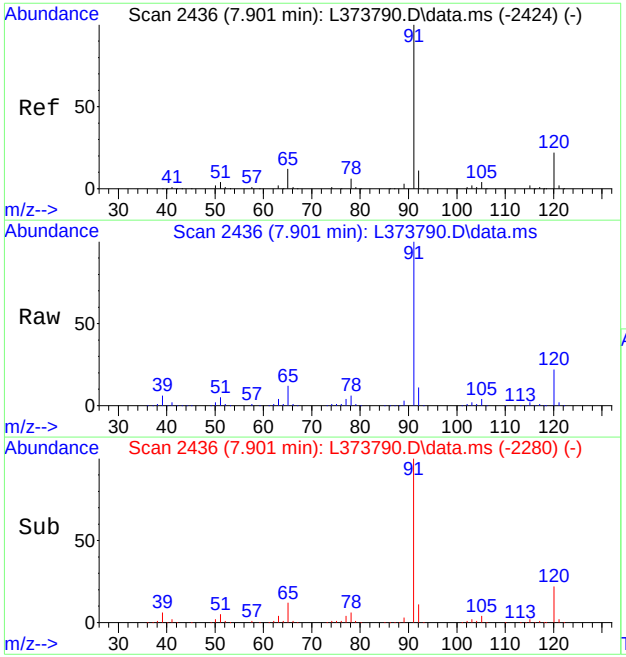


#101
1,2,3-trichloropropane
Concen: 50.00 ug/L
RT: 7.857 min Scan# 2422
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion:110 Resp: 59113

Ion	Ratio	Lower	Upper
110	100		
111	8.4	0.0	38.4
97	52.5	22.5	82.5

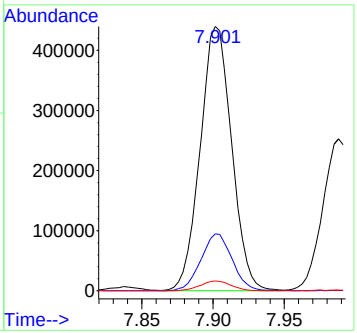


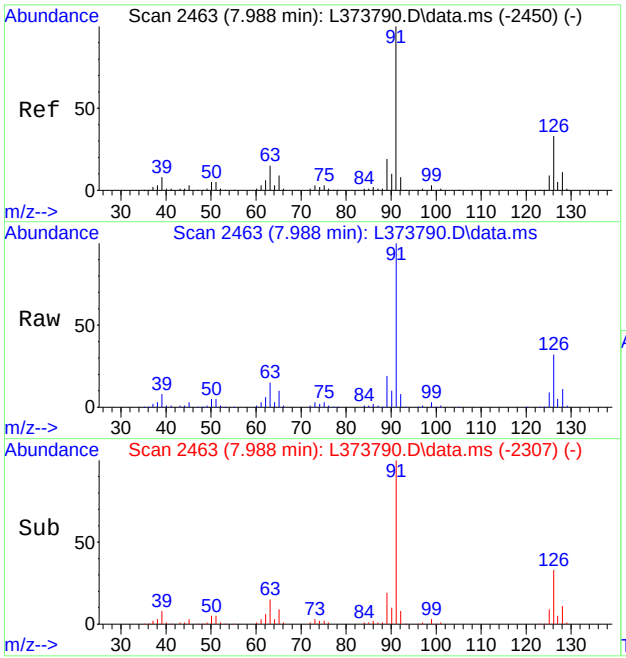


#102
n-propylbenzene
Concen: 50.11 ug/L
RT: 7.901 min Scan# 2436
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 91 Resp: 677704

Ion	Ratio	Lower	Upper
91	100		
120	21.5	0.0	51.5
105	3.7	0.0	33.7

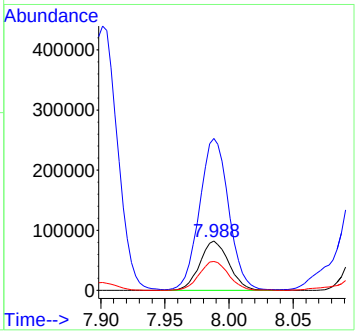


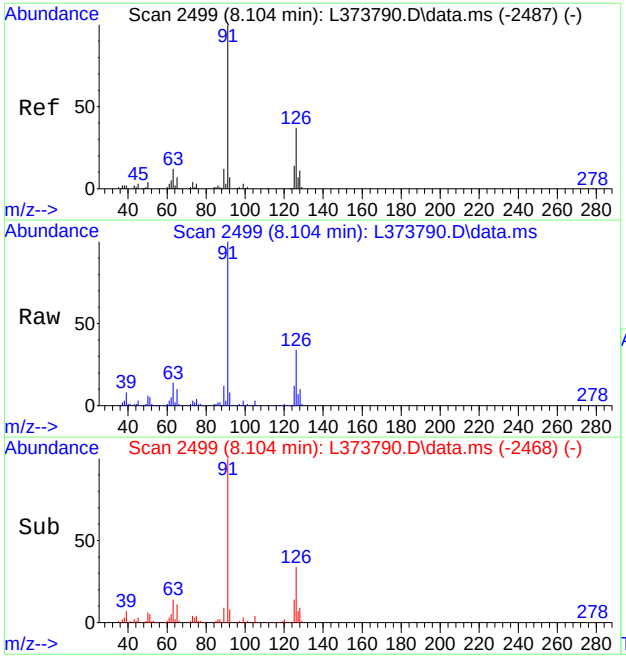


#103
2-chlorotoluene
Concen: 50.09 ug/L
RT: 7.988 min Scan# 2463
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion:126 Resp: 129794

Ion	Ratio	Lower	Upper
126	100		
91	306.4	278.0	338.0
89	58.8	28.8	88.8

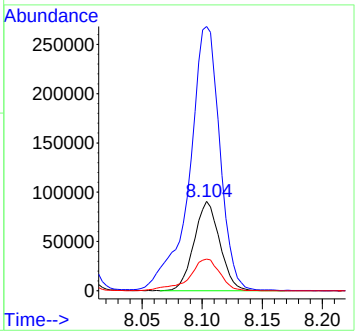


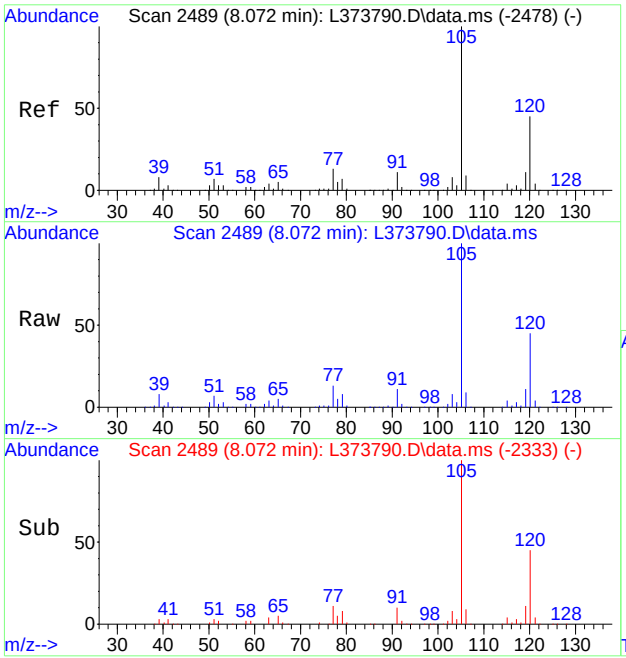


#104
4-chlorotoluene
Concen: 51.89 ug/L
RT: 8.104 min Scan# 2499
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion:126 Resp: 135197

Ion	Ratio	Lower	Upper
126	100		
91	295.5	265.5	325.5
89	35.5	5.5	65.5

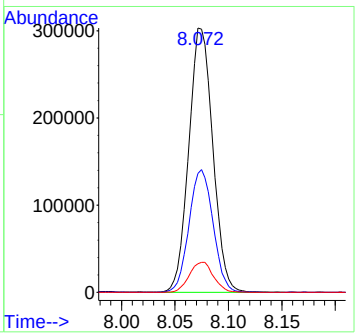


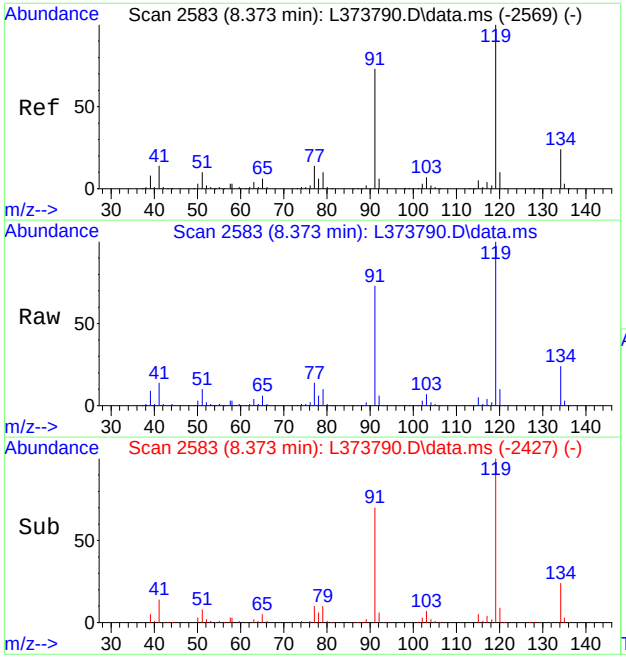


#105
1,3,5-trimethylbenzene
Concen: 50.00 ug/L
RT: 8.072 min Scan# 2489
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion:105 Resp: 476265

Ion	Ratio	Lower	Upper
105	100		
120	44.9	14.9	74.9
119	10.8	0.0	40.8

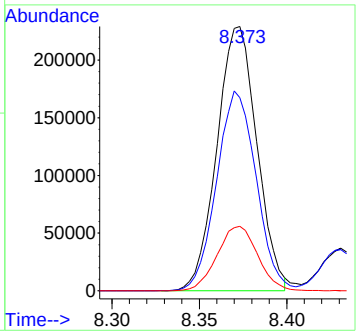


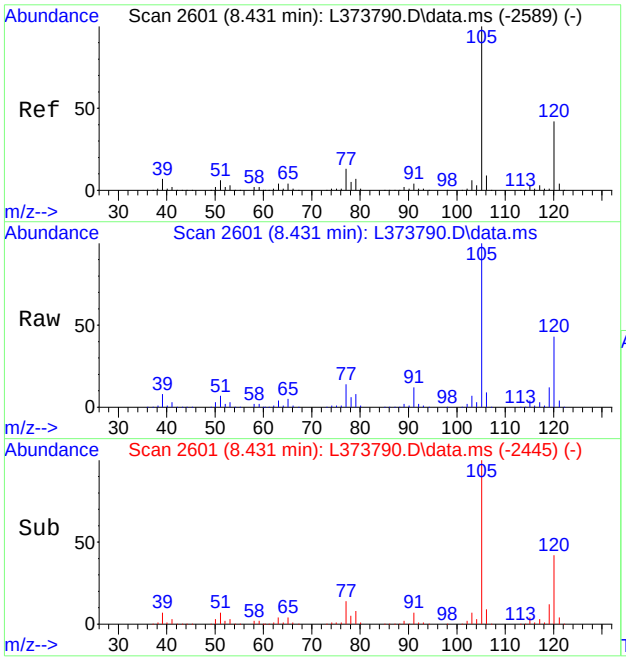


#106
tert-butylbenzene
Concen: 49.66 ug/L
RT: 8.373 min Scan# 2583
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion:119 Resp: 364979

Ion	Ratio	Lower	Upper
119	100		
91	72.9	43.0	103.0
134	24.4	0.0	54.4

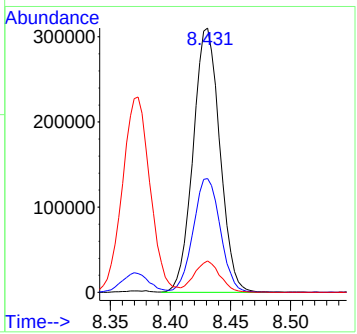


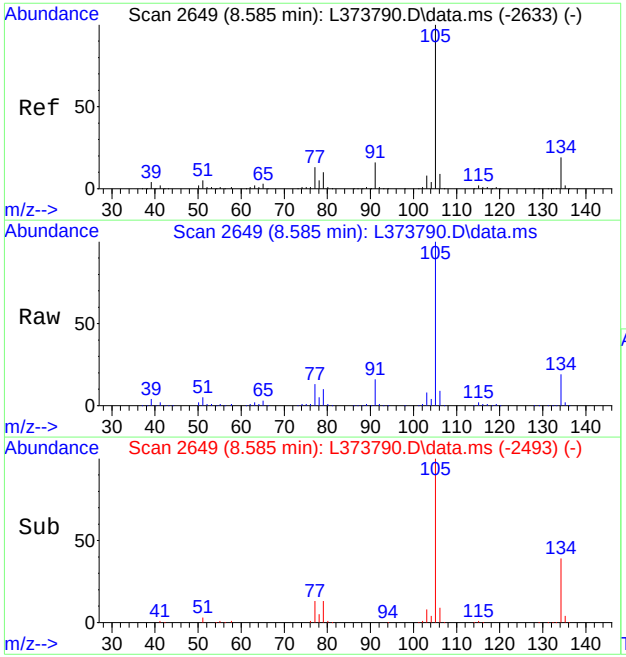


#107
1,2,4-trimethylbenzene
Concen: 50.00 ug/L
RT: 8.431 min Scan# 2601
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion:105 Resp: 478571

Ion	Ratio	Lower	Upper
105	100		
120	43.1	13.1	73.1
119	11.9	0.0	41.9

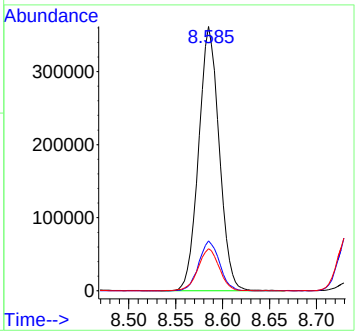


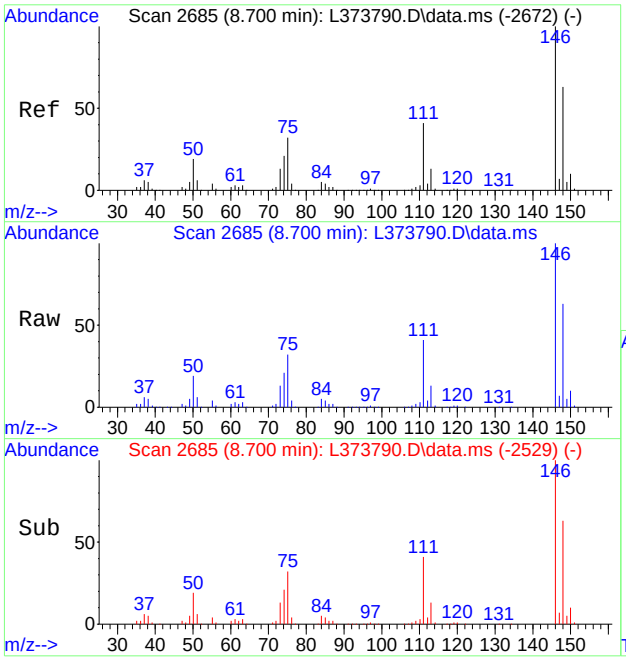


#108
sec-butylbenzene
Concen: 50.00 ug/L
RT: 8.585 min Scan# 2649
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion:105 Resp: 550627

Ion	Ratio	Lower	Upper
105	100		
134	18.8	0.0	48.8
91	15.9	0.0	45.9

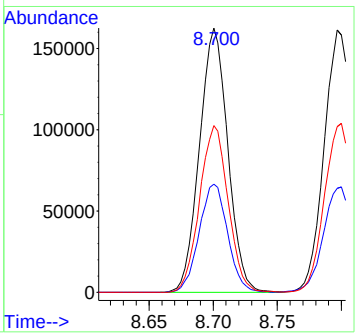


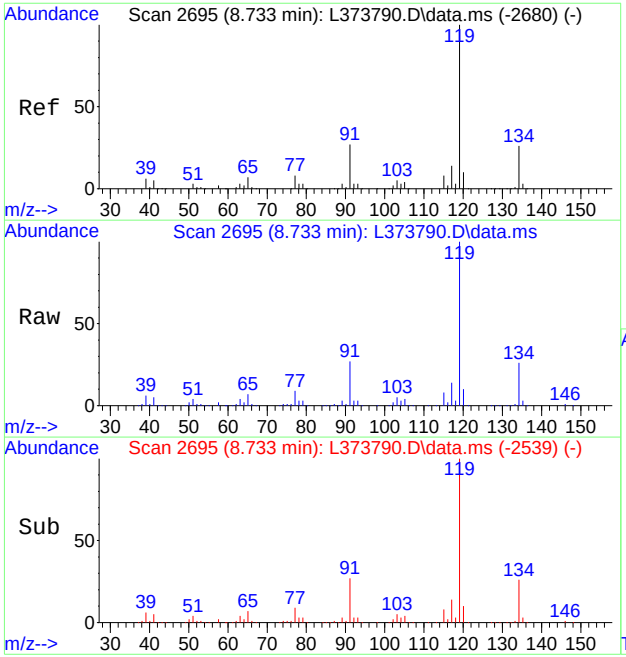


#109
1,3-dichlorobenzene
Concen: 50.00 ug/L
RT: 8.700 min Scan# 2685
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion:146 Resp: 250561

Ion	Ratio	Lower	Upper
146	100		
111	41.0	11.0	71.0
148	63.0	33.0	93.0

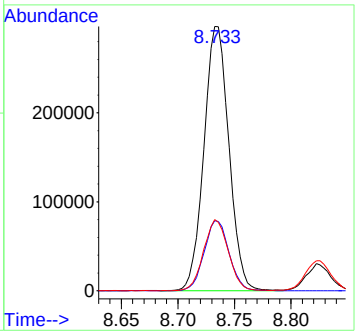


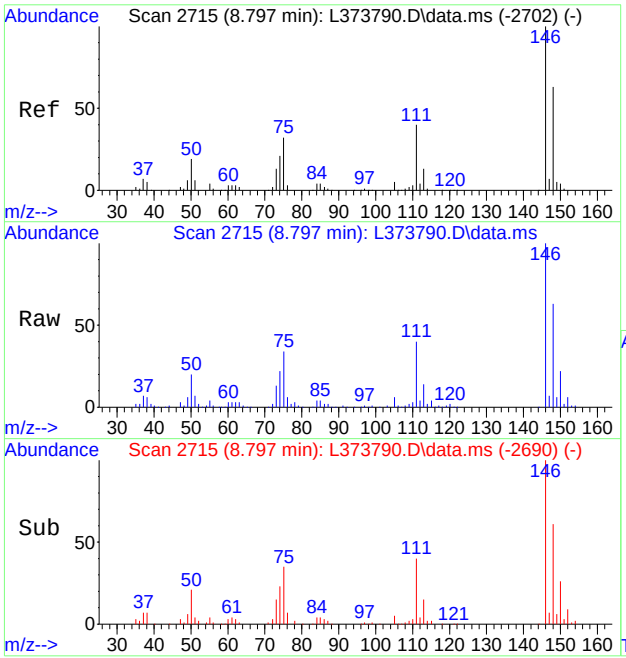


#110
p-isopropyltoluene
Concen: 50.00 ug/L
RT: 8.733 min Scan# 2695
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion:119 Resp: 455338

Ion	Ratio	Lower	Upper
119	100		
134	26.5	0.0	56.5
91	26.9	0.0	56.9

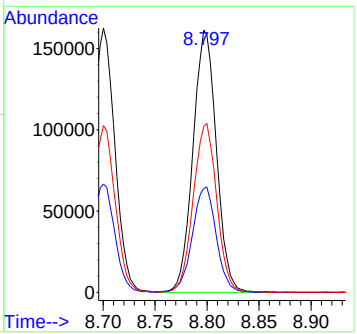


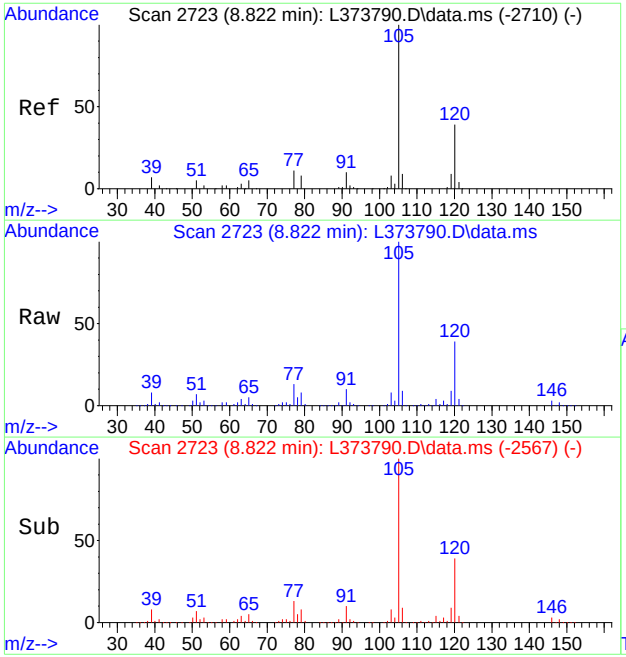


#111
1,4-dichlorobenzene
Concen: 49.98 ug/L
RT: 8.797 min Scan# 2715
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion:146 Resp: 253758

Ion	Ratio	Lower	Upper
146	100		
111	39.7	9.7	69.7
148	63.0	33.2	93.2

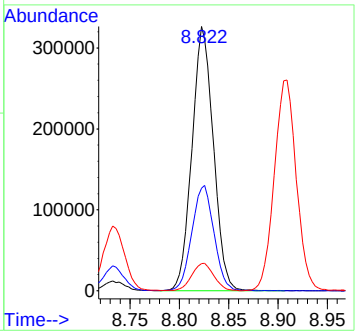


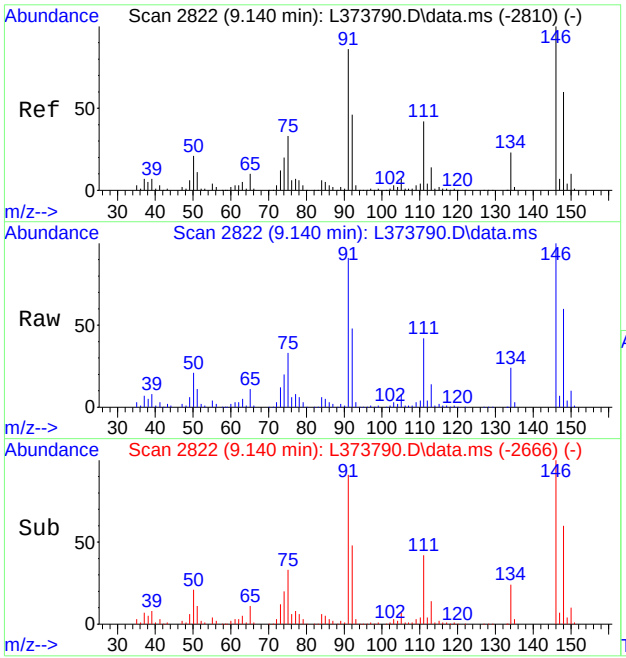


#112
1,2,3-trimethylbenzene
Concen: 50.00 ug/L
RT: 8.822 min Scan# 2723
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion:105 Resp: 494160

Ion	Ratio	Lower	Upper
105	100		
120	38.8	8.8	68.8
91	10.2	0.0	40.2

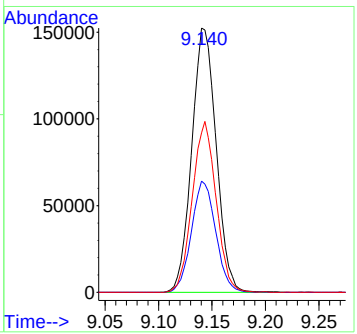


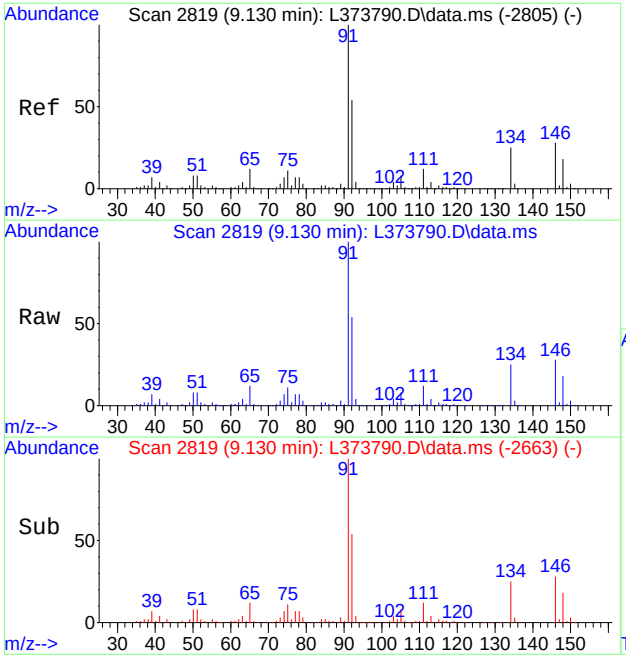


#113
1,2-dichlorobenzene
Concen: 50.00 ug/L
RT: 9.140 min Scan# 2822
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion:146 Resp: 242696

Ion	Ratio	Lower	Upper
146	100		
111	42.1	12.1	72.1
148	60.4	30.4	90.4

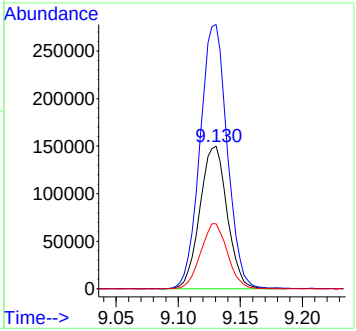


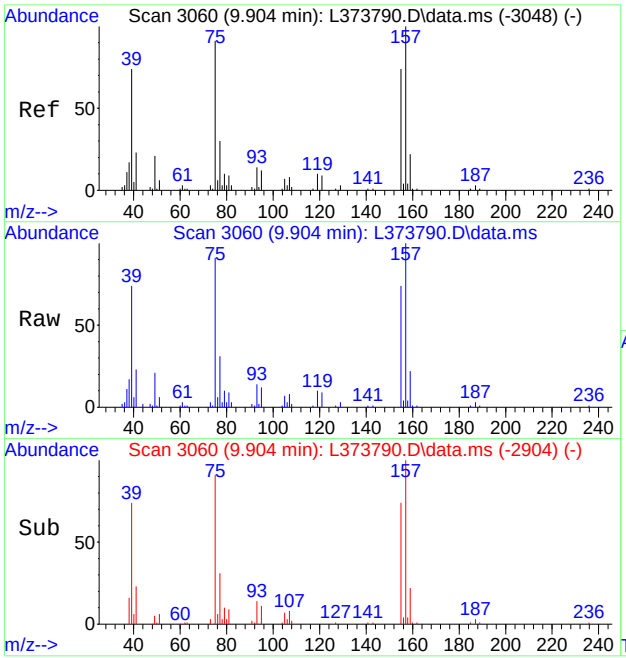


#114
n-butylbenzene
Concen: 50.00 ug/L
RT: 9.130 min Scan# 2819
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 92 Resp: 229080

Ion	Ratio	Lower	Upper
92	100		
91	185.4	155.4	215.4
134	45.6	15.6	75.6

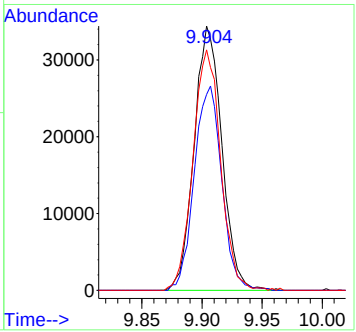


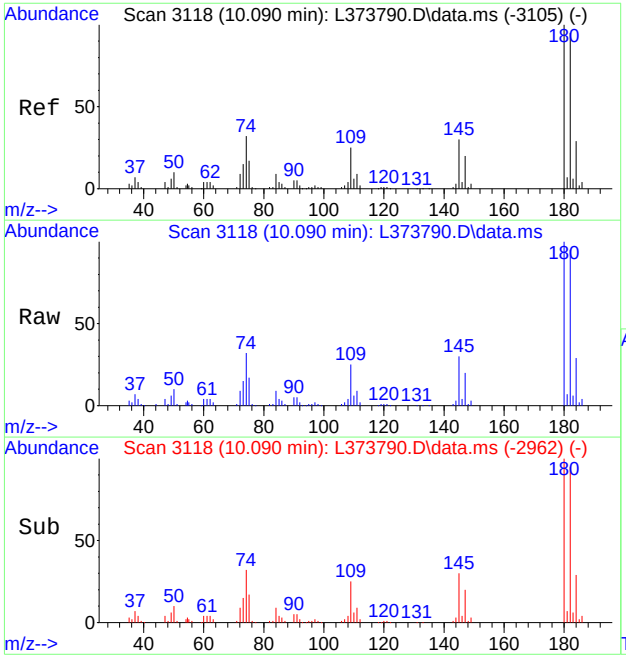


#115
1,2-dibromo-3-chloropropane
Concen: 50.00 ug/L
RT: 9.904 min Scan# 3060
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion:157 Resp: 55204

Ion	Ratio	Lower	Upper
157	100		
155	74.1	44.1	104.1
75	90.9	60.9	120.9

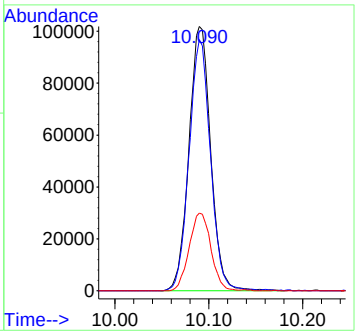


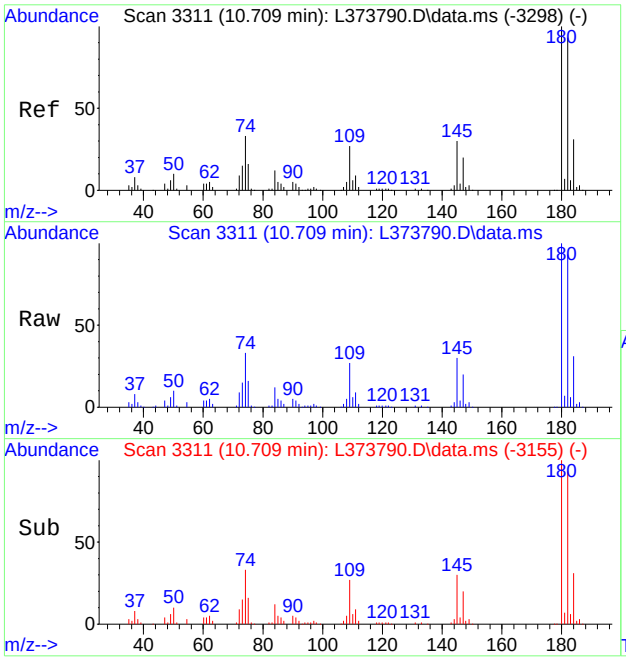


#116
1,3,5-trichlorobenzene
Concen: 50.00 ug/L
RT: 10.090 min Scan# 3118
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion:180 Resp: 163678

Ion	Ratio	Lower	Upper
180	100		
182	95.0	65.0	125.0
184	29.4	0.0	59.4

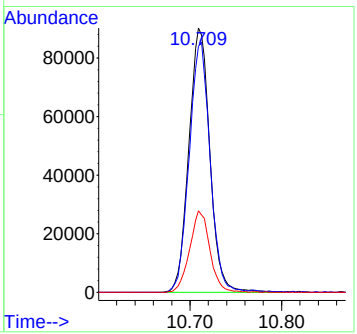


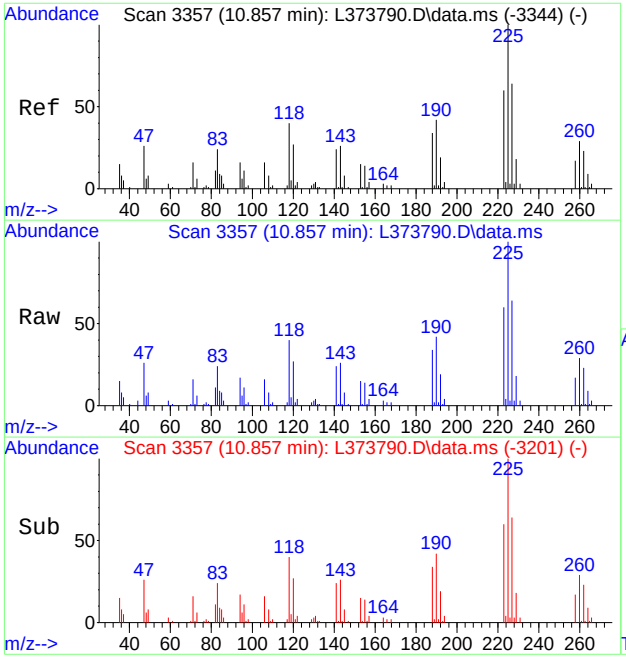


#117
1,2,4-trichlorobenzene
Concen: 50.00 ug/L
RT: 10.709 min Scan# 3311
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion:180 Resp: 143559

Ion	Ratio	Lower	Upper
180	100		
182	93.1	63.1	123.1
184	30.8	0.8	60.8

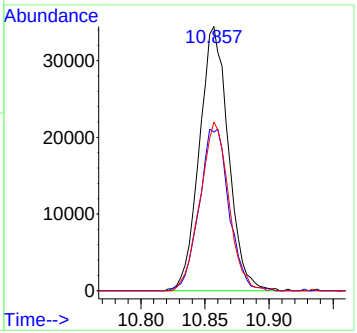


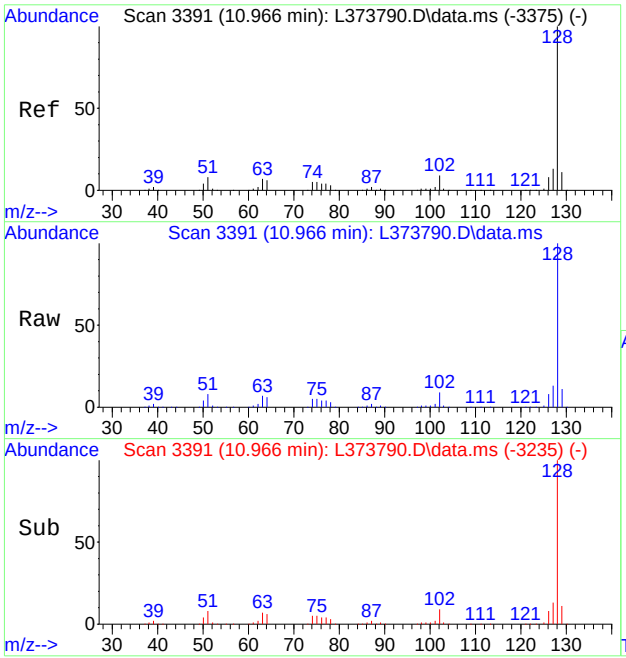


#118
hexachlorobutadiene
Concen: 50.00 ug/L
RT: 10.857 min Scan# 3357
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion:225 Resp: 54325

Ion	Ratio	Lower	Upper
225	100		
223	60.0	30.0	90.0
227	63.8	33.8	93.8

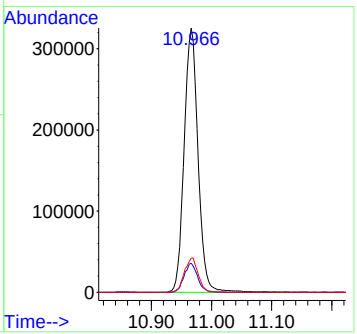


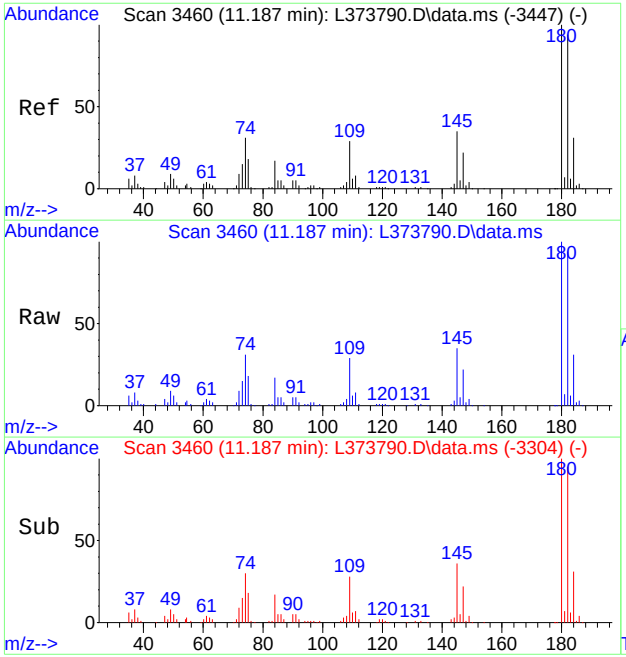


#119
naphthalene
Concen: 50.00 ug/L
RT: 10.966 min Scan# 3391
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion:128 Resp: 523349

Ion	Ratio	Lower	Upper
128	100		
129	11.1	0.0	41.1
127	12.9	0.0	42.9

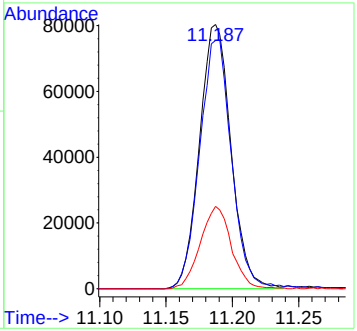


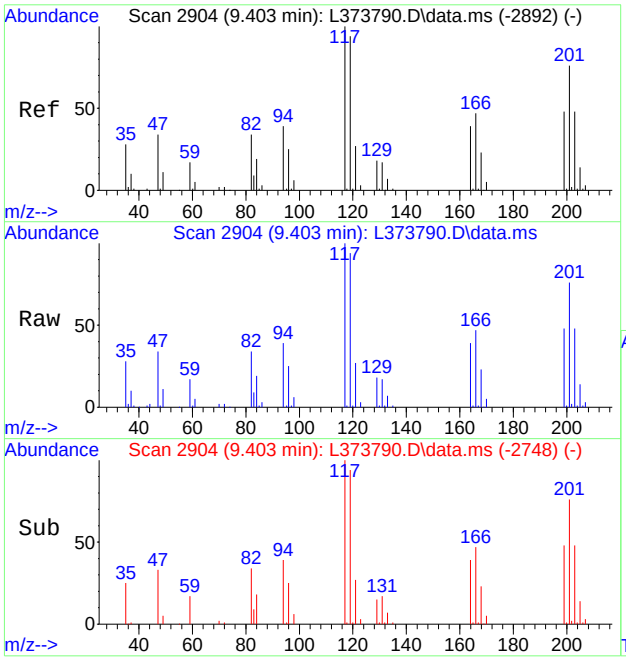


#120
1,2,3-trichlorobenzene
Concen: 50.00 ug/L
RT: 11.187 min Scan# 3460
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion:180 Resp: 133059

Ion	Ratio	Lower	Upper
180	100		
182	93.9	63.9	123.9
184	31.2	1.2	61.2

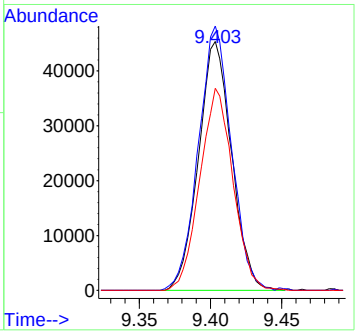


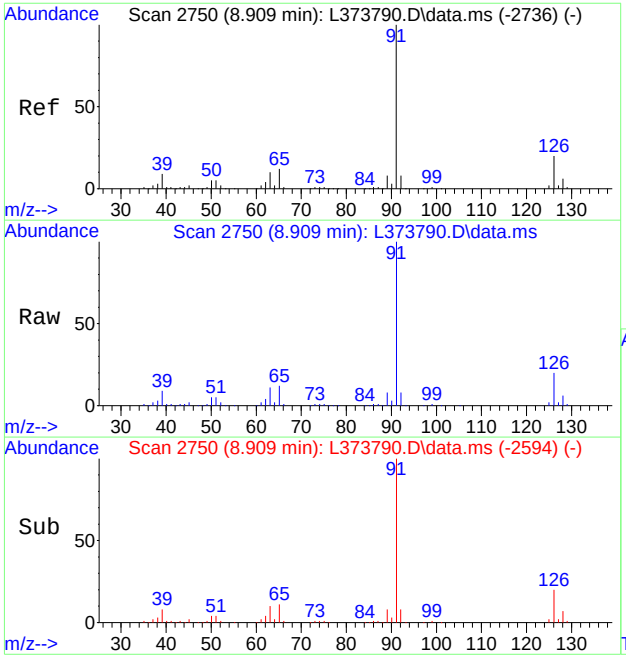


#121
hexachloroethane
Concen: 50.00 ug/L
RT: 9.403 min Scan# 2904
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion:119 Resp: 73315

Ion	Ratio	Lower	Upper
119	100		
117	106.2	76.2	136.2
201	81.2	51.2	111.2

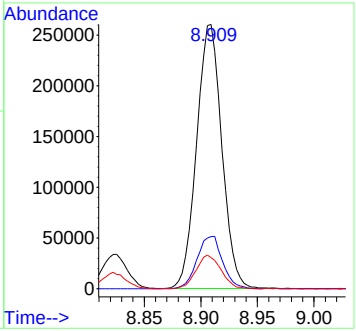


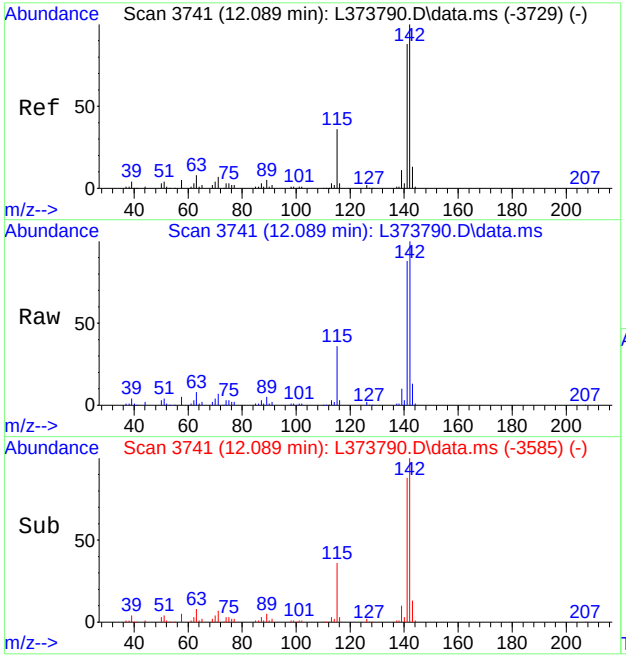


#122
benzyl chloride
Concen: 50.00 ug/L
RT: 8.909 min Scan# 2750
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion: 91 Resp: 403261

Ion	Ratio	Lower	Upper
91	100		
126	19.8	0.0	49.8
65	11.8	0.0	41.8

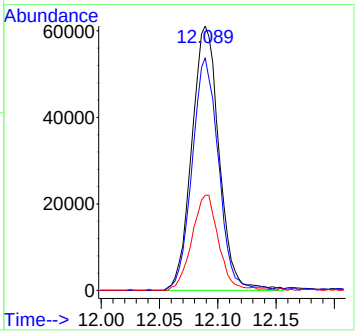




#123
2-methylnaphthalene
Concen: 25.00 ug/L
RT: 12.089 min Scan# 3741
Delta R.T. 0.000 min
Lab File: L373790.D
Acq: 16 Oct 2025 8:56 pm

Tgt Ion:142 Resp: 99907

Ion	Ratio	Lower	Upper
142	100		
141	88.0	68.0	108.0
115	35.9	15.9	55.9



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373791.D
Acq On : 16 Oct 2025 9:22 pm
Operator : BridgetK
Sample : ic11472-100
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 17 10:14:43 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 10:13:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	2.607	65	321456	500.00	ug/L	0.00
5) pentafluorobenzene	3.749	168	256007	50.00	ug/L	0.00
51) 1,4-difluorobenzene	4.285	114	447092	50.00	ug/L	0.00
72) chlorobenzene-d5	6.608	117	345015	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	8.771	152	165718	50.00	ug/L	0.00
124) pentafluorobenzene(a)	3.749	168	256007	50.00	ug/L	0.00
131) 1,4-dichlorobenzene-d4(a)	8.771	152	165718	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	3.749	113	131581	49.08	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.16%			
52) 1,2-dichloroethane-d4 (s)	3.983	65	159172	48.79	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 97.58%			
73) toluene-d8 (s)	5.389	98	506964	50.88	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.76%			
97) 4-bromofluorobenzene (s)	7.677	95	178242	50.28	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.56%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.705	88	203666	2215.9980	ug/L	89
3) ethanol	2.087	45	555274	6080.2349	ug/L	96
4) tertiary butyl alcohol	2.661	59	452516	441.5527	ug/L	100
6) chlorodifluoromethane	1.368	51	348168	90.5286	ug/L	99
7) dichlorodifluoromethane	1.349	85	394430	104.9294	ug/L	100
8) chloromethane	1.484	50	354110	96.1664	ug/L	98
9) vinyl chloride	1.554	62	358596	99.1971	ug/L	100
10) 1,3-butadiene	1.580	54	288867	82.7243	ug/L	98
11) bromomethane	1.760	96	92976	104.4854	ug/L	97
12) chloroethane	1.830	64	142419	90.6253	ug/L	100
13) trichlorofluoromethane	1.994	101	486908	108.2264	ug/L	100
14) ethyl ether	2.161	74	149505	97.4079	ug/L	94
15) acrolein	2.251	56	68252	106.6329	ug/L	95
16) freon 113	2.315	151	194426	101.2051	ug/L	99
17) 1,1-dichloroethene	2.318	96	242234	100.5466	ug/L	98
18) acetone	2.337	58	186690	392.3622	ug/L	97
19) acetonitrile	2.510	40	363215	1007.9682	ug/L	99
20) iodomethane	2.421	142	220183	160.0400	ug/L	99
21) iso-butyl alcohol	3.900	43	312365	959.1455	ug/L	98
22) carbon disulfide	2.472	76	719139	93.4481	ug/L	100
23) methylene chloride	2.623	84	279105	92.1468	ug/L	97
24) methyl acetate	2.523	74	76680	103.2795	ug/L	97
25) methyl tert butyl ether	2.777	73	855488	109.4583	ug/L	99
26) trans-1,2-dichloroethene	2.790	96	274637	100.2599	ug/L	94
27) hexane	2.957	57	353117	106.4548	ug/L	99
28) di-isopropyl ether	3.066	45	889238	108.5985	ug/L	96
29) ethyl tert-butyl ether	3.297	59	924007	110.2767	ug/L	99
30) 2-butanone	3.409	72	260383	448.4548	ug/L	91
31) 1,1-dichloroethane	3.066	63	520476	100.6770	ug/L	99
32) chloroprene	3.114	53	476005	109.7046	ug/L	99
33) acrylonitrile	2.761	53	147682	104.6658	ug/L	99
34) vinyl acetate	3.050	86	70853	106.1601	ug/L #	86
35) ethyl acetate	3.422	45	77406	106.9142	ug/L #	80
36) 2,2-dichloropropane	3.438	77	460858	98.5659	ug/L	97
37) cis-1,2-dichloroethene	3.428	96	297142	98.1774	ug/L	96
38) propionitrile	3.454	54	804759	986.2266	ug/L	93
39) methyl acrylate	3.464	85	69748	114.2295	ug/L	96
40) bromochloromethane	3.589	128	126036	93.3574	ug/L	92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373791.D
Acq On : 16 Oct 2025 9:22 pm
Operator : BridgetK
Sample : ic11472-100
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 17 10:14:43 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 10:13:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) tetrahydrofuran	3.598	72	74887	101.2504 ug/L	97
42) chloroform	3.643	83	527171	89.3712 ug/L	95
44) methacrylonitrile	3.553	67	178731	104.6917 ug/L	97
45) 1,1,1-trichloroethane	3.768	97	459884	101.5468 ug/L	97
46) cyclohexane	3.820	84	398777	107.4899 ug/L	93
47) 1,1-dichloropropene	3.871	75	399542	111.0021 ug/L	98
48) carbon tetrachloride	3.874	117	385611	105.7467 ug/L	99
49) isopropyl acetate	4.003	87	86081	106.8243 ug/L	98
50) tert amyl alcohol	3.983	55	142477	426.2130 ug/L	95
53) tert-amyl methyl ether	4.080	73	887829	102.7274 ug/L	99
54) 2,2,4-trimethylpentane	4.076	57	655728	102.0987 ug/L	98
55) n-butyl alcohol	4.359	56	1175010	4471.8299 ug/L	99
56) benzene	4.009	78	1129872	96.3150 ug/L	100
57) heptane	4.189	57	137904	101.3652 ug/L	97
58) 1,2-dichloroethane	4.038	62	424975	95.0898 ug/L	99
59) trichloroethene	4.465	95	301012	103.7024 ug/L	98
60) ethyl acrylate	4.497	55	512786	97.3309 ug/L	98
61) 2-nitropropane	5.004	41	154797	100.1479 ug/L	97
62) 2-chloroethyl vinyl ether	5.039	63	505639	508.9905 ug/L	95
63) methyl methacrylate	4.670	100	98404	102.3895 ug/L	92
64) 1,2-dichloropropane	4.654	63	293278	98.5360 ug/L	98
65) methylcyclohexane	4.641	83	420112	106.4522 ug/L	97
66) dibromomethane	4.721	93	194666	93.9854 ug/L	97
67) bromodichloromethane	4.843	83	411483	96.5325 ug/L	98
68) cis-1,3-dichloropropene	5.174	75	474895	100.1378 ug/L	97
69) epichlorohydrin	5.087	57	289736	471.1609 ug/L	94
70) 4-methyl-2-pentanone	5.277	58	704863	371.6984 ug/L	98
71) 3-methyl-1-butanol	5.312	70	430951	1743.0379 ug/L	99
74) toluene	5.443	92	685153	95.9741 ug/L	98
75) trans-1,3-dichloropropene	5.620	75	450810	103.0329 ug/L	98
76) ethyl methacrylate	5.649	69	415639	91.3270 ug/L	98
77) 1,1,2-trichloroethane	5.784	83	233429	99.1004 ug/L	94
78) 2-hexanone	5.954	58	740979	359.4245 ug/L	99
79) tetrachloroethene	5.867	166	283380	99.4686 ug/L	98
80) 1,3-dichloropropane	5.922	76	452893	100.1585 ug/L	100
81) butyl acetate	6.043	56	241785	89.0963 ug/L	98
82) dibromochloromethane	6.104	129	295698	97.1379 ug/L	99
83) 1,2-dibromoethane	6.210	107	285313	100.0793 ug/L	97
84) n-butyl ether	6.705	57	1144223	94.7202 ug/L	99
85) chlorobenzene	6.634	112	705803	93.6193 ug/L	99
86) 1,1,1,2-tetrachloroethane	6.711	131	263109	106.0727 ug/L	98
87) ethylbenzene	6.714	91	1274094	97.5123 ug/L	99
88) m,p-xylene	6.830	106	954127	188.4250 ug/L	98
89) o-xylene	7.176	106	462703	93.3168 ug/L	96
90) butyl acrylate	7.122	55	649301	88.4780 ug/L	99
91) styrene	7.195	104	799922	96.9844 ug/L	98
92) bromoform	7.362	173	216404	101.2750 ug/L	99
93) n-amyl acetate	7.327	70	240370	87.2120 ug/L	95
94) isopropylbenzene	7.510	105	1155034	97.4866 ug/L	98
95) cis-1,4-dichloro-2-butene	7.568	88	114755	125.6809 ug/L	95
98) bromobenzene	7.808	156	282773	95.3261 ug/L	100
99) 1,1,2,2-tetrachloroethane	7.802	83	420792	93.1319 ug/L	97
100) trans-1,4-dichloro-2-b...	7.837	53	100439	122.8146 ug/L	88
101) 1,2,3-trichloropropane	7.853	110	124028	91.6667 ug/L	99
102) n-propylbenzene	7.901	91	1407679	99.0716 ug/L	99
103) 2-chlorotoluene	7.988	126	265434	95.5464 ug/L	96
104) 4-chlorotoluene	8.100	126	276534	93.3863 ug/L	92
105) 1,3,5-trimethylbenzene	8.075	105	988628	99.9717 ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373791.D
Acq On : 16 Oct 2025 9:22 pm
Operator : BridgetK
Sample : ic11472-100
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 17 10:14:43 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 10:13:07 2025
Response via : Initial Calibration

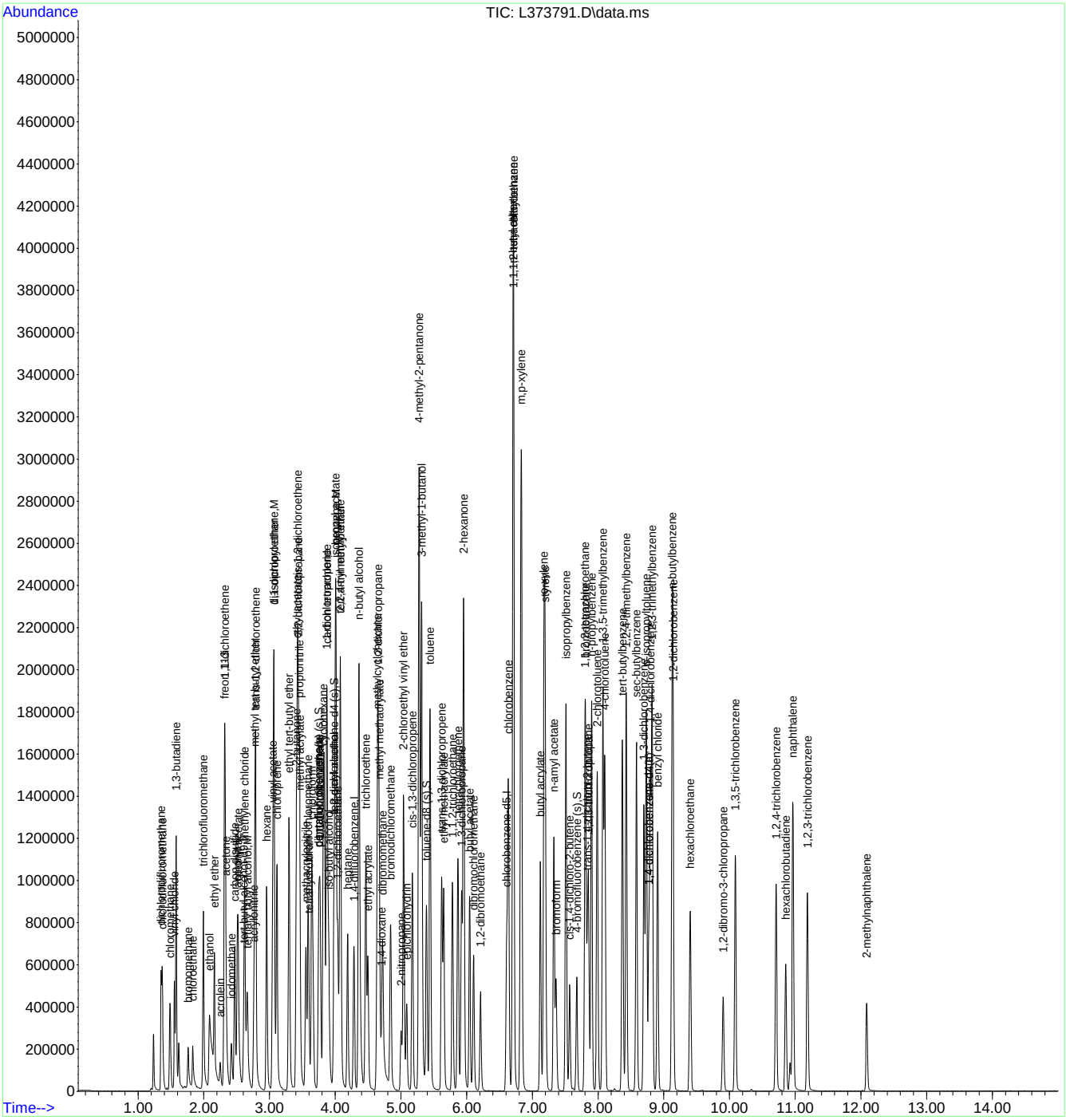
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
106) tert-butylbenzene	8.370	119	753814	95.9523 ug/L	97
107) 1,2,4-trimethylbenzene	8.428	105	1005923	100.9513 ug/L	99
108) sec-butylbenzene	8.585	105	1133201	100.3133 ug/L	99
109) 1,3-dichlorobenzene	8.697	146	518969	94.2948 ug/L	99
110) p-isopropyltoluene	8.733	119	938813	100.5196 ug/L	99
111) 1,4-dichlorobenzene	8.797	146	531534	93.2006 ug/L	97
112) 1,2,3-trimethylbenzene	8.822	105	1034886	97.3347 ug/L	97
113) 1,2-dichlorobenzene	9.143	146	499131	94.3942 ug/L	99
114) n-butylbenzene	9.127	92	483729	104.8976 ug/L	98
115) 1,2-dibromo-3-chloropr...	9.904	157	113713	94.0070 ug/L	94
116) 1,3,5-trichlorobenzene	10.087	180	334298	100.3161 ug/L	99
117) 1,2,4-trichlorobenzene	10.709	180	293851	100.3646 ug/L	99
118) hexachlorobutadiene	10.857	225	106607	96.4810 ug/L	98
119) naphthalene	10.963	128	1087579	99.5339 ug/L	99
120) 1,2,3-trichlorobenzene	11.187	180	277551	98.6993 ug/L	99
121) hexachloroethane	9.400	119	159414	116.6039 ug/L	97
122) benzyl chloride	8.906	91	849641	97.2758 ug/L	99
123) 2-methylnaphthalene	12.089	142	205052	48.0875 ug/L	96

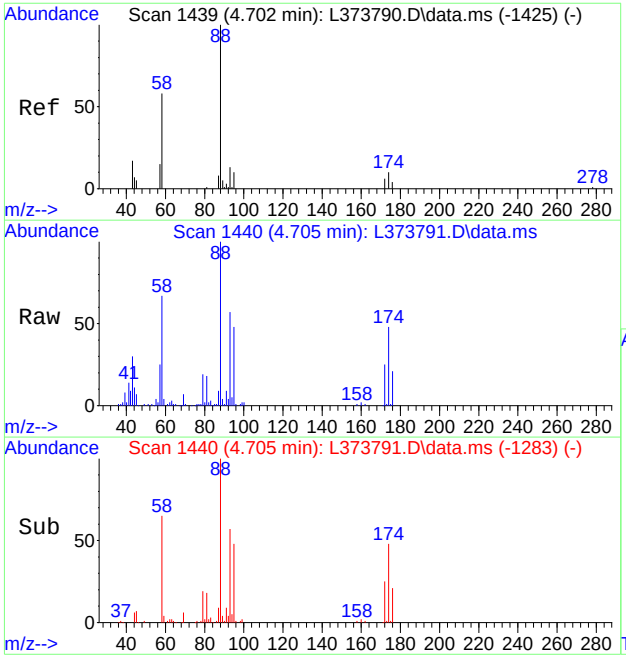
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373791.D
Acq On : 16 Oct 2025 9:22 pm
Operator : BridgetK
Sample : ic11472-100
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 17 10:14:43 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 10:13:07 2025
Response via : Initial Calibration

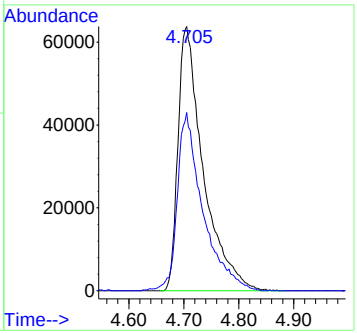


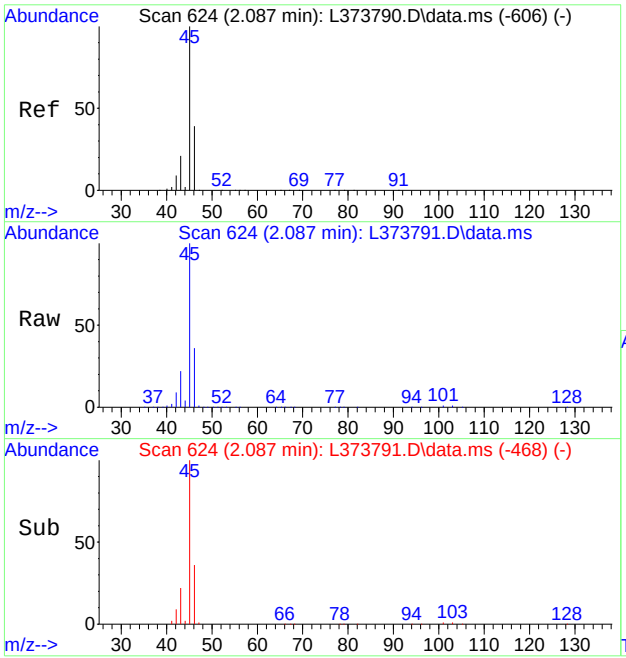


#2
1,4-dioxane
Concen: 2216.00 ug/L
RT: 4.705 min Scan# 1440
Delta R.T. 0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 88 Resp: 203666

Ion	Ratio	Lower	Upper
88	100		
58	67.5	29.1	89.1

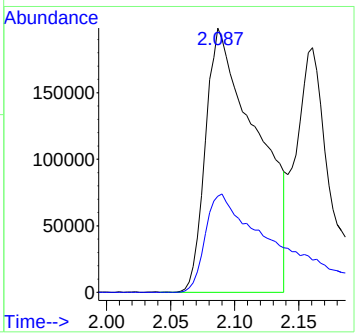


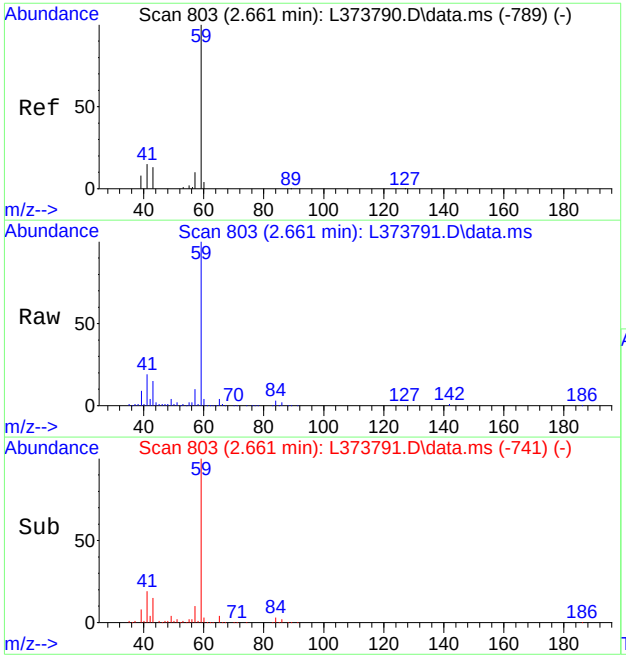


#3
ethanol
Concen: 6080.23 ug/L
RT: 2.087 min Scan# 624
Delta R.T. -0.000 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 45 Resp: 555274

Ion	Ratio	Lower	Upper
45	100		
46	36.4	18.6	58.6

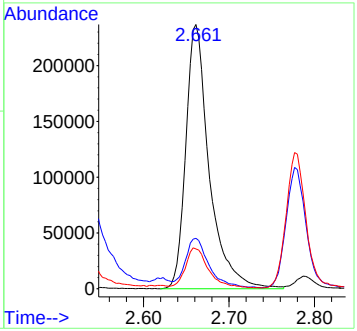


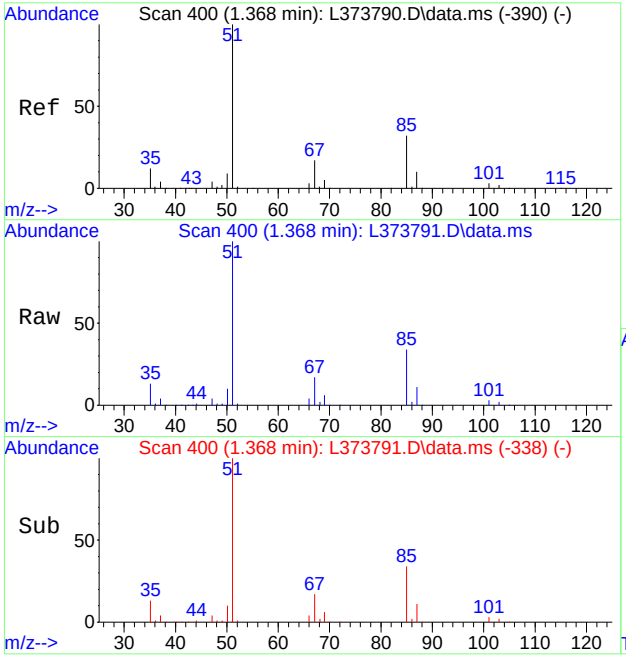


#4
tertiary butyl alcohol
Concen: 441.55 ug/L
RT: 2.661 min Scan# 803
Delta R.T. -0.000 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 59 Resp: 452516

Ion	Ratio	Lower	Upper
59	100		
41	15.3	0.0	45.3
43	13.9	0.0	43.5

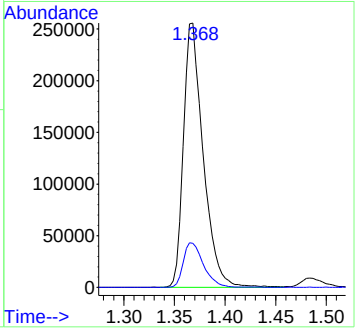


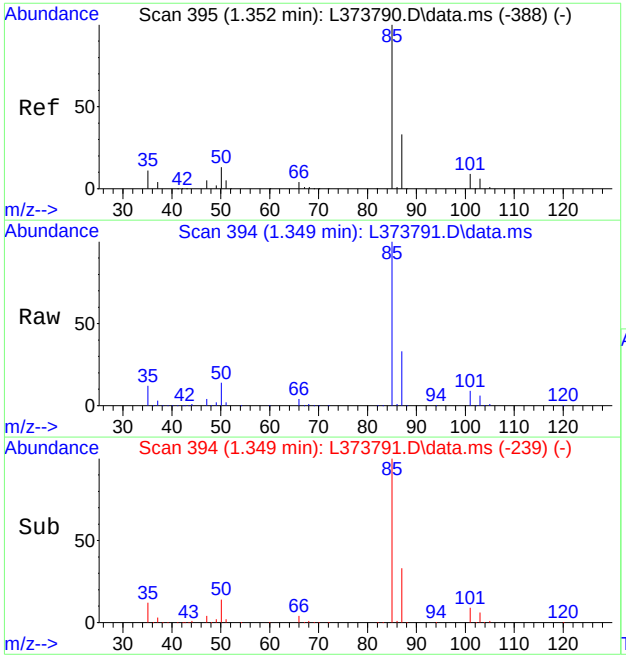


#6
chlorodifluoromethane
Concen: 90.53 ug/L
RT: 1.368 min Scan# 400
Delta R.T. -0.000 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 51 Resp: 348168

Ion	Ratio	Lower	Upper
51	100		
67	16.6	0.0	37.0

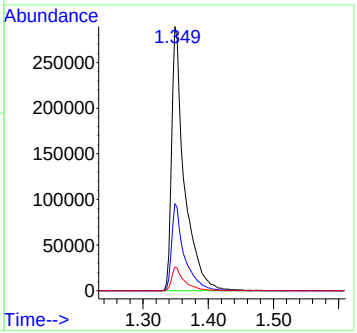


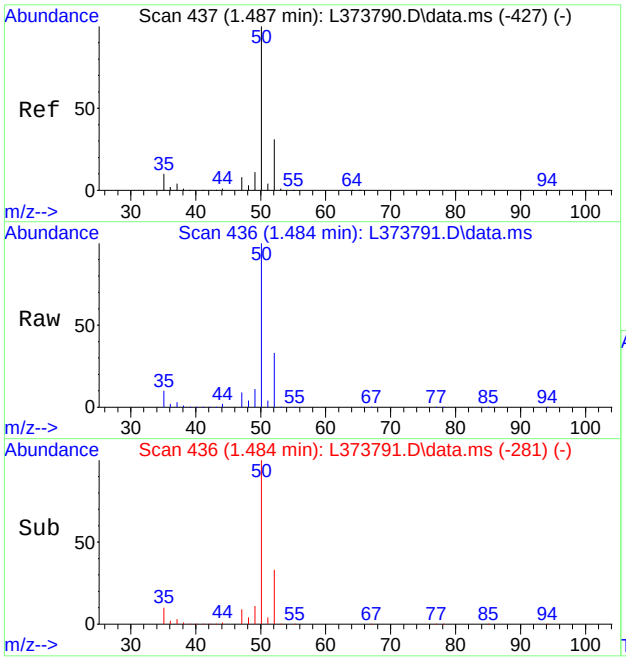


#7
dichlorodifluoromethane
Concen: 104.93 ug/L
RT: 1.349 min Scan# 394
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 85 Resp: 394430

Ion	Ratio	Lower	Upper
85	100		
87	33.0	2.8	62.8
101	9.0	0.0	38.9

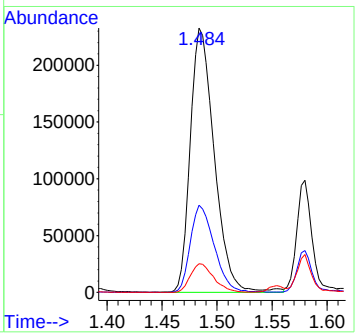


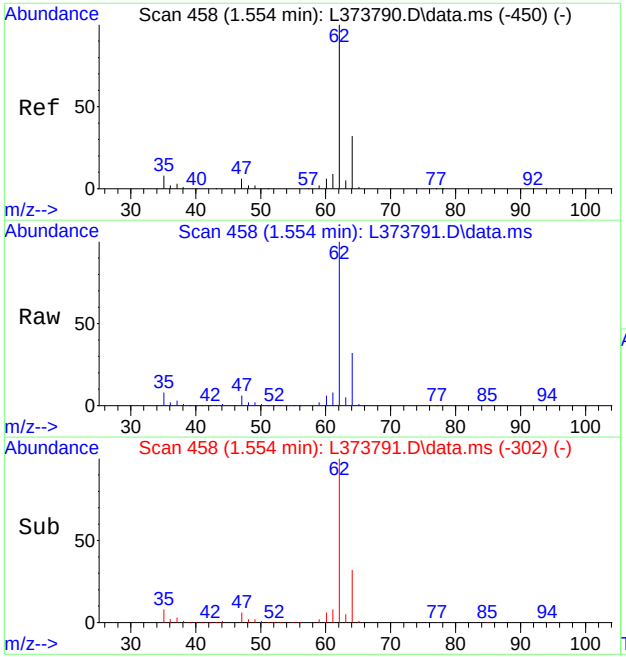


#8
chloromethane
Concen: 96.17 ug/L
RT: 1.484 min Scan# 436
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 50 Resp: 354110

Ion	Ratio	Lower	Upper
50	100		
52	33.0	1.5	61.5
49	10.8	0.0	41.1

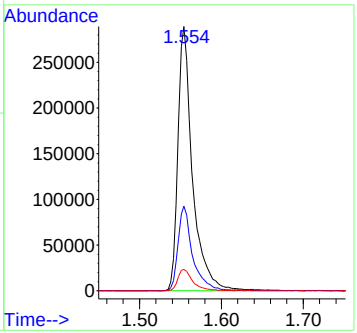


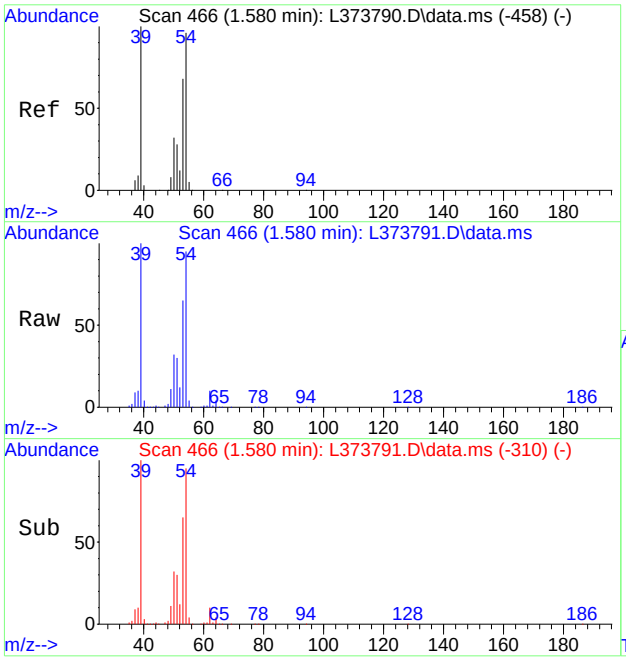


#9
vinyl chloride
Concen: 99.20 ug/L
RT: 1.554 min Scan# 458
Delta R.T. -0.000 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 62 Resp: 358596

Ion	Ratio	Lower	Upper
62	100		
64	32.0	2.2	62.2
61	8.1	0.0	38.5

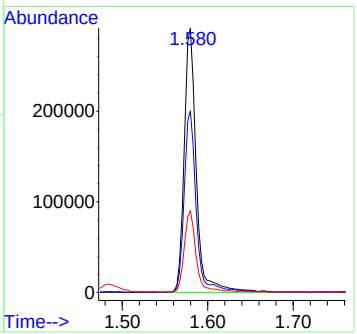


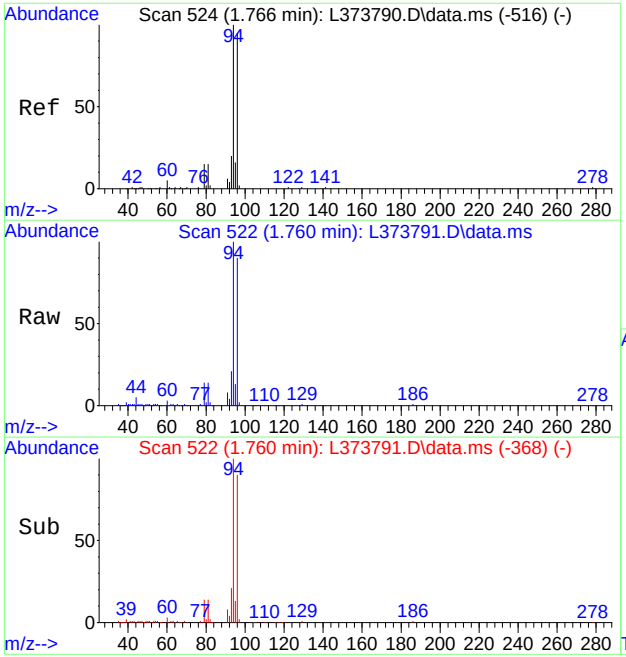


#10
1,3-butadiene
Concen: 82.72 ug/L
RT: 1.580 min Scan# 466
Delta R.T. -0.000 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 54 Resp: 288867

Ion	Ratio	Lower	Upper
54	100		
53	68.6	40.7	100.7
51	30.8	0.0	59.5

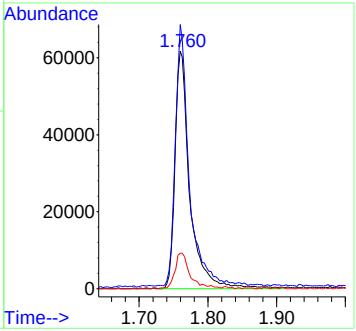


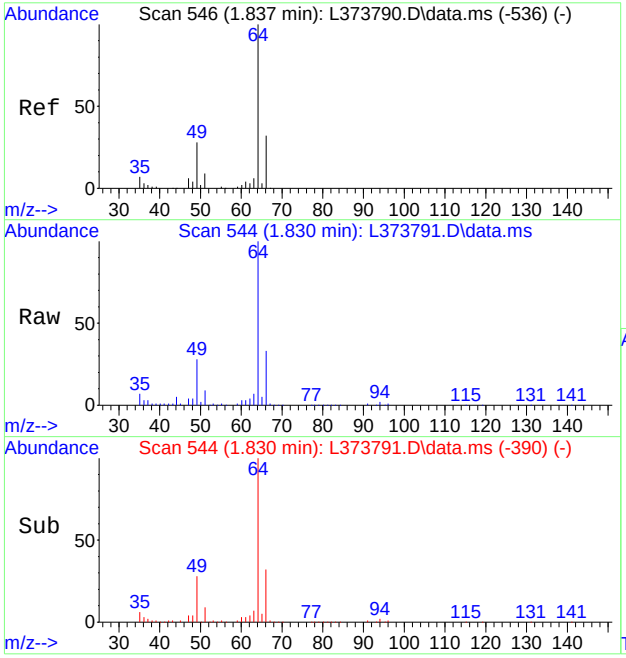


#11
bromomethane
Concen: 104.49 ug/L
RT: 1.760 min Scan# 522
Delta R.T. -0.006 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 96 Resp: 92976

Ion	Ratio	Lower	Upper
96	100		
94	109.9	76.7	136.7
95	14.7	0.0	46.3

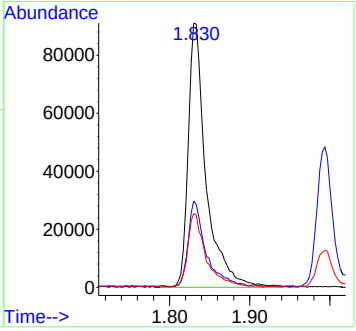


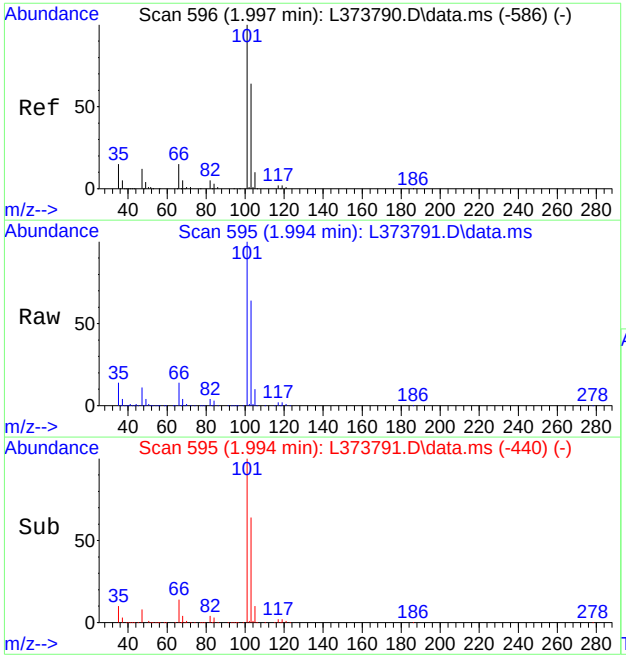


#12
chloroethane
Concen: 90.63 ug/L
RT: 1.830 min Scan# 544
Delta R.T. -0.006 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 64 Resp: 142419

Ion	Ratio	Lower	Upper
64	100		
66	32.2	1.8	61.8
49	27.7	0.0	57.7

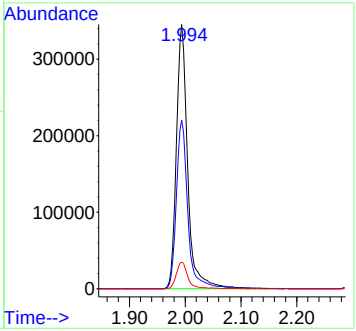


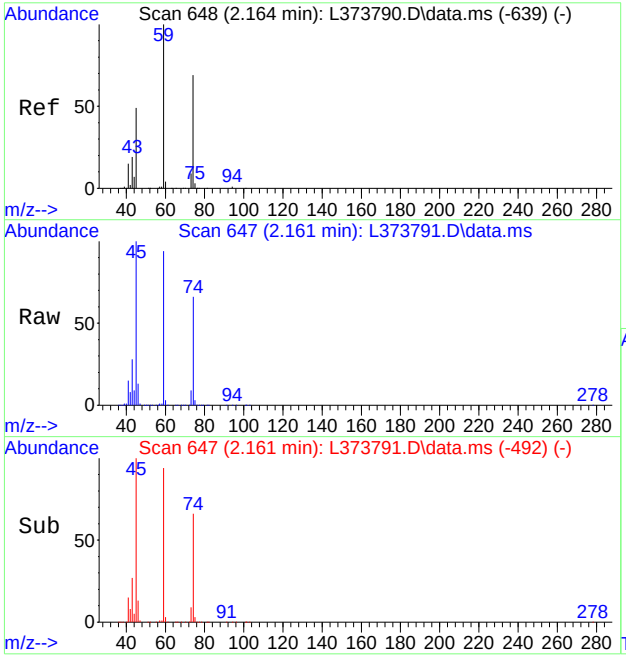


#13
trichlorofluoromethane
Concen: 108.23 ug/L
RT: 1.994 min Scan# 595
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion:101 Resp: 486908

Ion	Ratio	Lower	Upper
101	100		
103	63.8	33.8	93.8
105	10.1	0.0	40.0

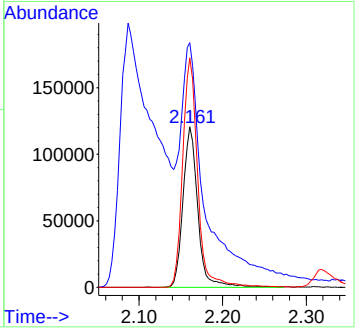


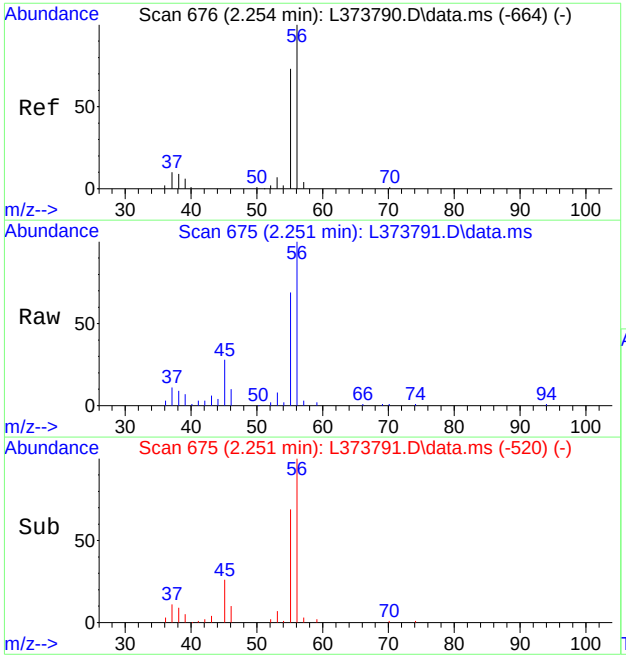


#14
ethyl ether
Concen: 97.41 ug/L
RT: 2.161 min Scan# 647
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 74 Resp: 149505

Ion	Ratio	Lower	Upper
74	100		
45	144.7	102.0	162.0
59	142.9	114.2	174.2

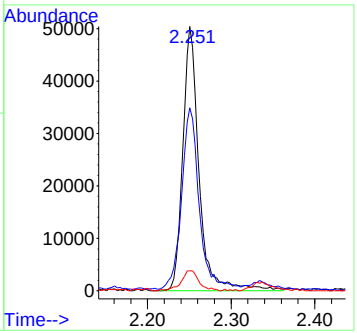


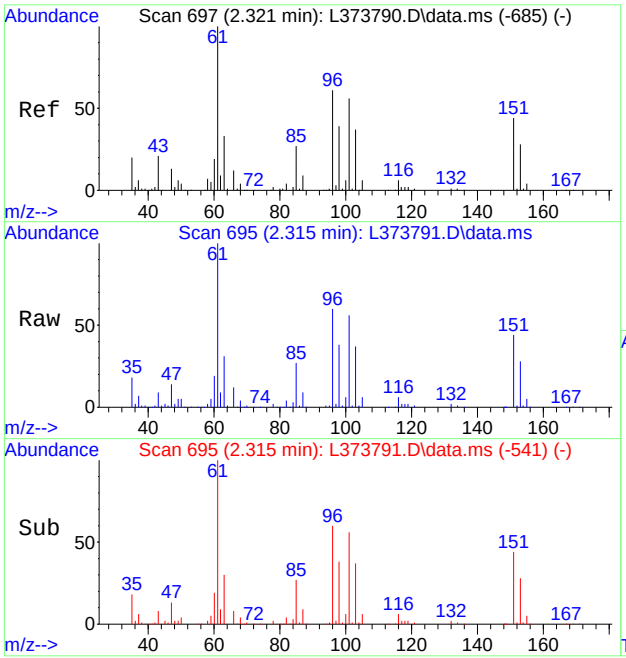


#15
acrolein
Concen: 106.63 ug/L
RT: 2.251 min Scan# 675
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 56 Resp: 68252

Ion	Ratio	Lower	Upper
56	100		
55	68.4	42.9	102.9
53	7.1	0.0	38.0

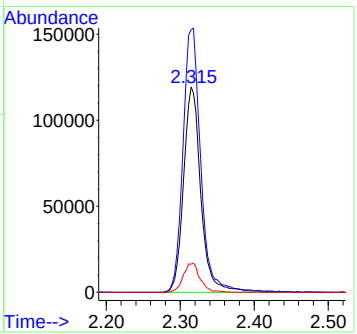


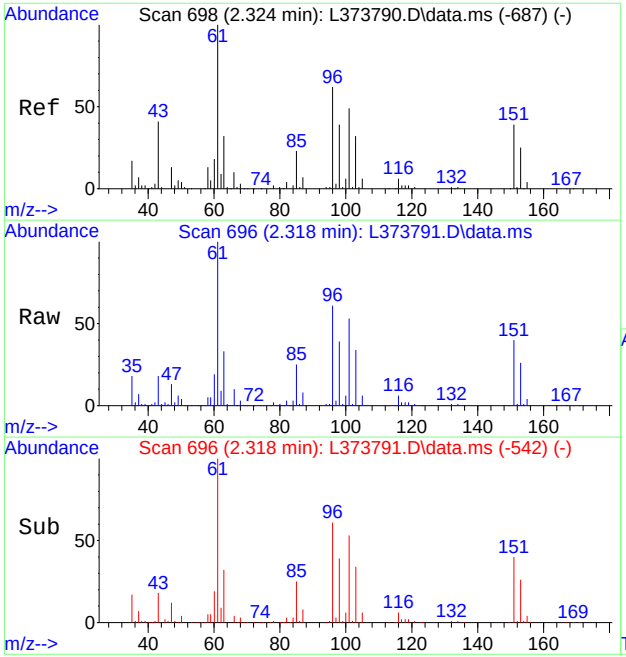


#16
freon 113
Concen: 101.21 ug/L
RT: 2.315 min Scan# 695
Delta R.T. -0.006 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion:151 Resp: 194426

Ion	Ratio	Lower	Upper
151	100		
101	128.0	107.4	147.4
116	13.7	0.0	33.9

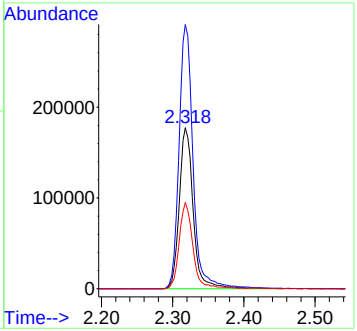


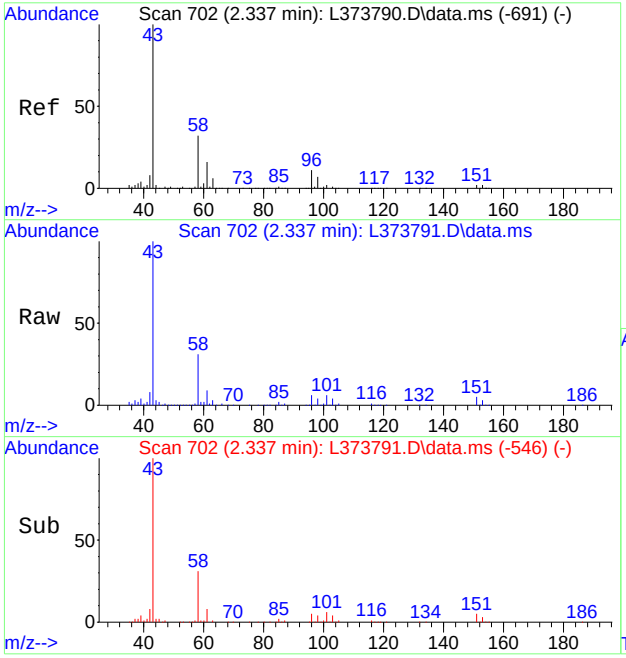


#17
1,1-dichloroethene
Concen: 100.55 ug/L
RT: 2.318 min Scan# 696
Delta R.T. -0.006 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 96 Resp: 242234

Ion	Ratio	Lower	Upper
96	100		
61	164.0	131.4	191.4
63	53.6	22.3	82.3

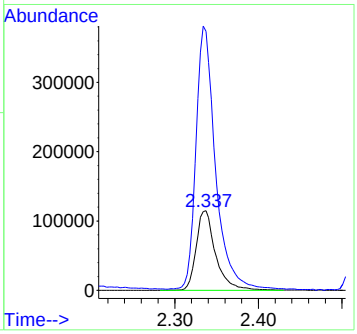


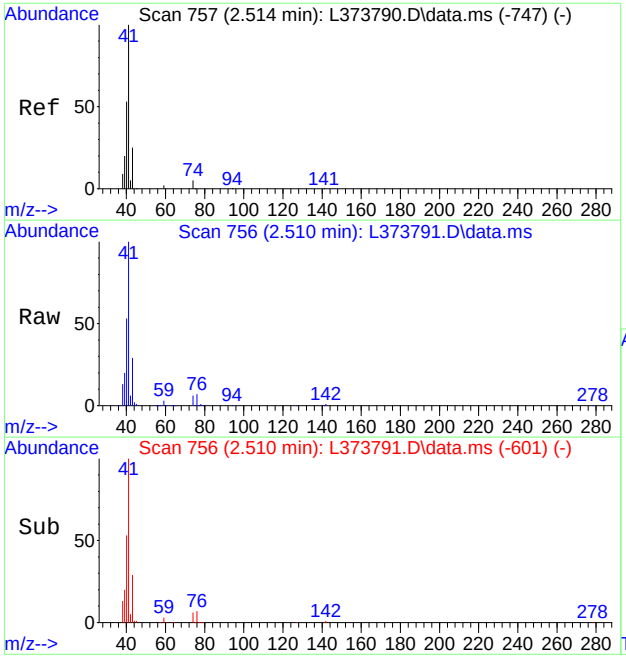


#18
acetone
Concen: 392.36 ug/L
RT: 2.337 min Scan# 702
Delta R.T. -0.000 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 58 Resp: 186690

Ion	Ratio	Lower	Upper
58	100		
43	323.3	286.5	346.5

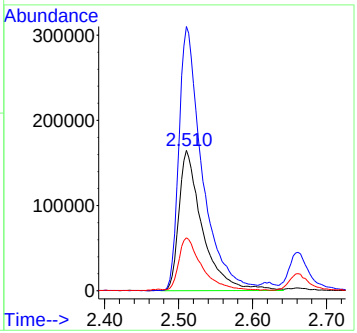


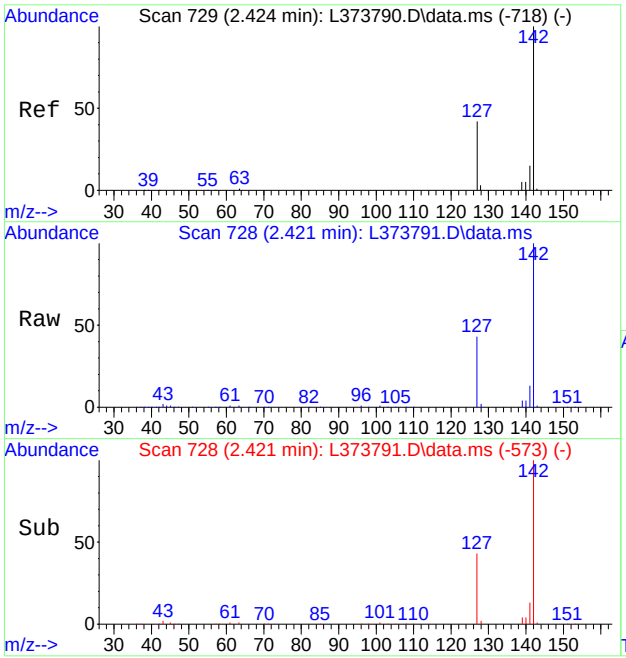


#19
acetonitrile
Concen: 1007.97 ug/L
RT: 2.510 min Scan# 756
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 40 Resp: 363215

Ion	Ratio	Lower	Upper
40	100		
41	188.3	158.5	218.5
39	36.6	8.2	68.2

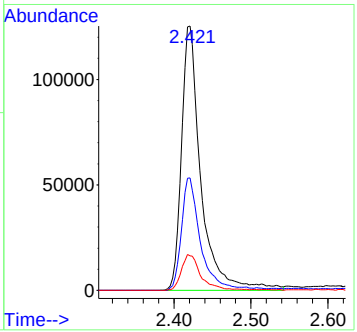


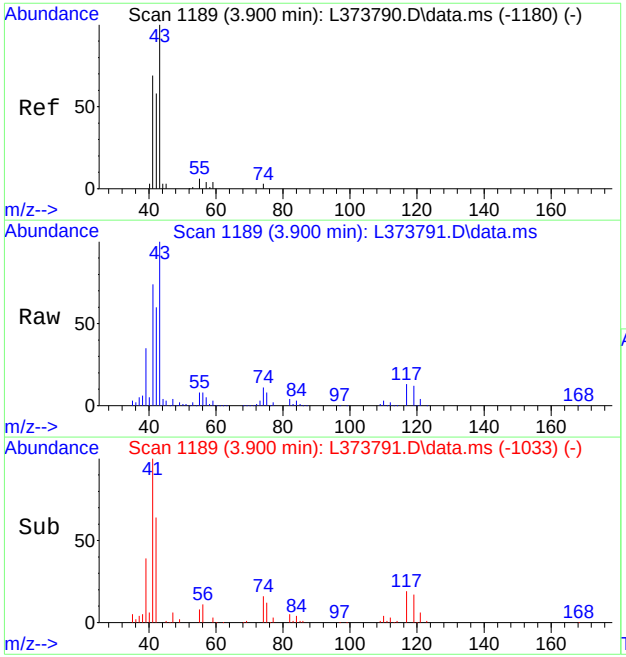


#20
iodomethane
Concen: 160.04 ug/L
RT: 2.421 min Scan# 728
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion:142 Resp: 220183

Ion	Ratio	Lower	Upper
142	100		
127	42.5	12.2	72.2
141	13.1	0.0	44.6

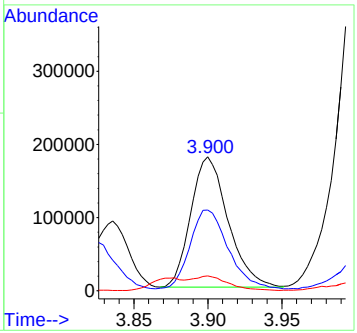


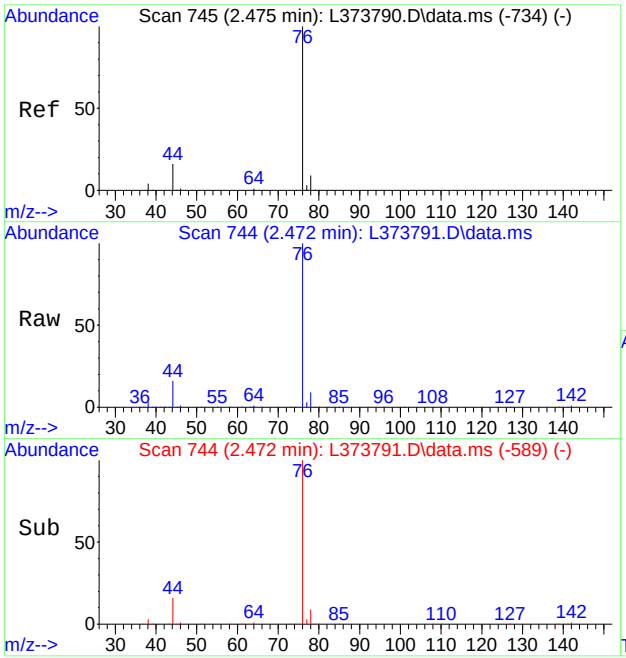


#21
iso-butyl alcohol
Concen: 959.15 ug/L
RT: 3.900 min Scan# 1189
Delta R.T. -0.000 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 43 Resp: 312365

Ion	Ratio	Lower	Upper
43	100		
42	60.4	28.3	88.3
74	11.1	0.0	40.9

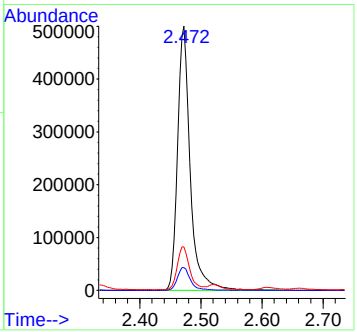


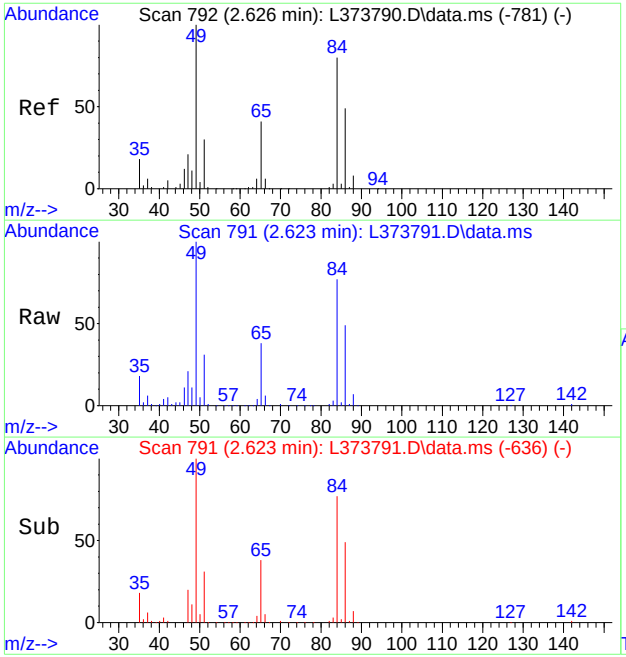


#22
carbon disulfide
Concen: 93.45 ug/L
RT: 2.472 min Scan# 744
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 76 Resp: 719139

Ion	Ratio	Lower	Upper
76	100		
78	8.6	0.0	38.9
44	16.0	0.0	46.1

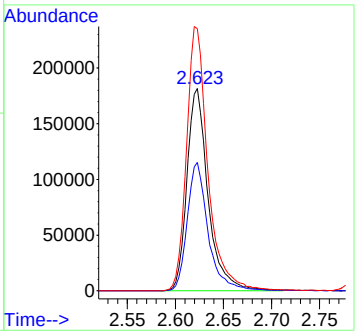


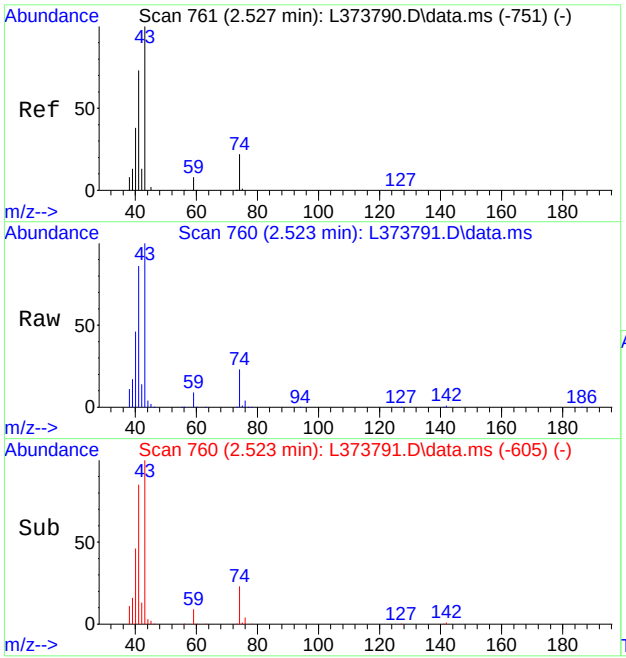


#23
methylene chloride
Concen: 92.15 ug/L
RT: 2.623 min Scan# 791
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 84 Resp: 279105

Ion	Ratio	Lower	Upper
84	100		
86	63.4	31.2	91.2
49	129.4	95.6	155.6

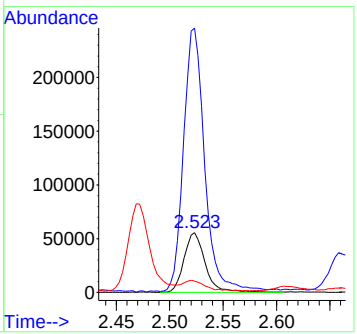


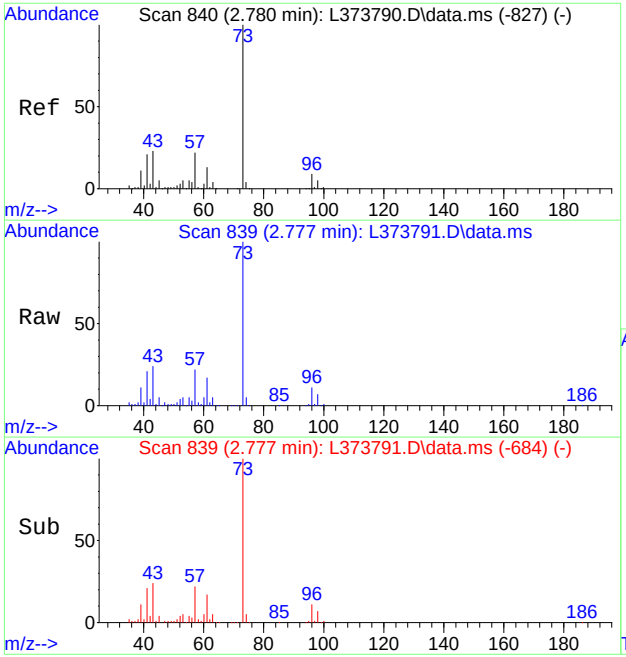


#24
methyl acetate
Concen: 103.28 ug/L
RT: 2.523 min Scan# 760
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 74 Resp: 76680

Ion	Ratio	Lower	Upper
74	100		
43	440.5	417.7	477.7
44	8.5	0.0	39.0

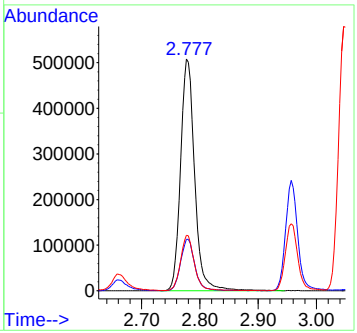


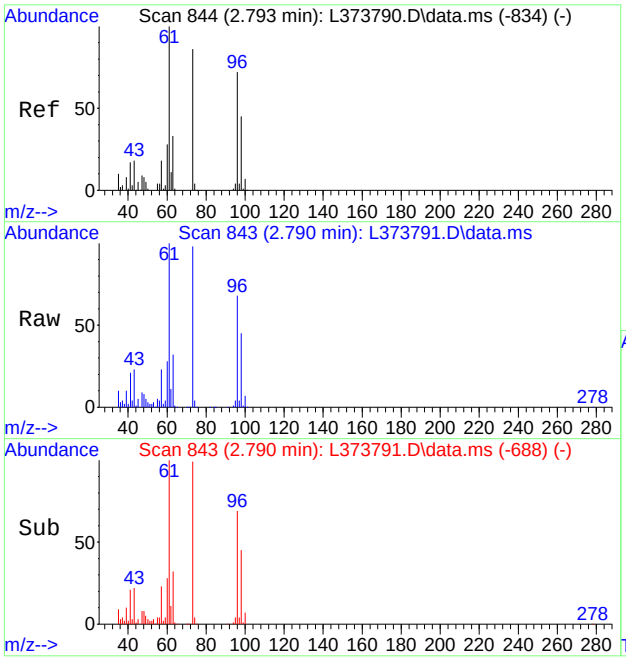


#25
methyl tert butyl ether
Concen: 109.46 ug/L
RT: 2.777 min Scan# 839
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 73 Resp: 855488

Ion	Ratio	Lower	Upper
73	100		
57	22.2	0.0	52.4
43	23.8	0.0	52.7

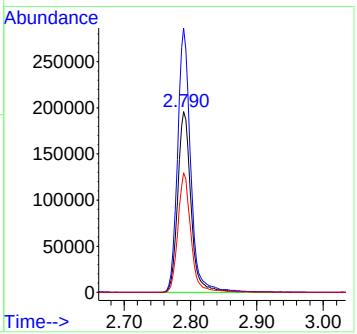


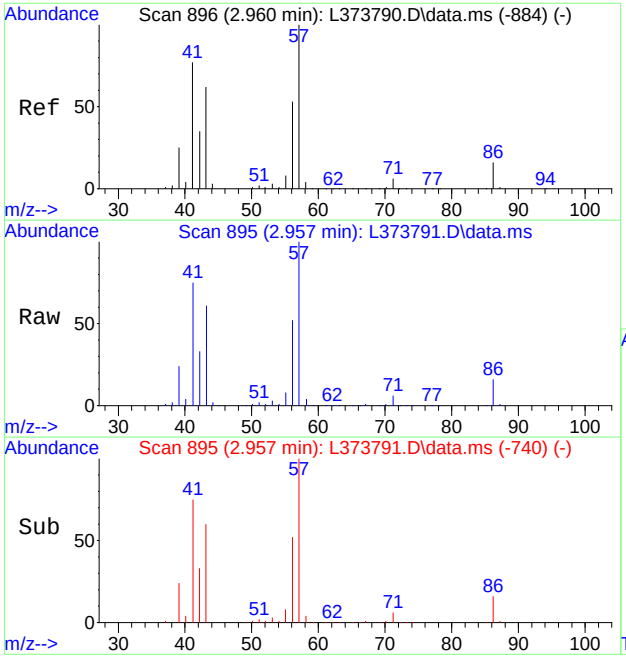


#26
trans-1,2-dichloroethene
Concen: 100.26 ug/L
RT: 2.790 min Scan# 843
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 96 Resp: 274637

Ion	Ratio	Lower	Upper
96	100		
61	146.2	109.1	169.1
98	66.2	32.0	92.0

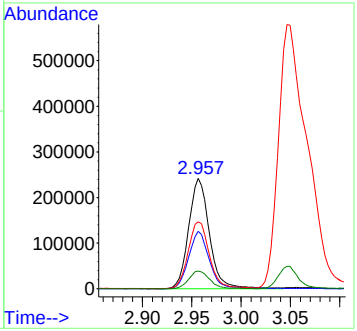


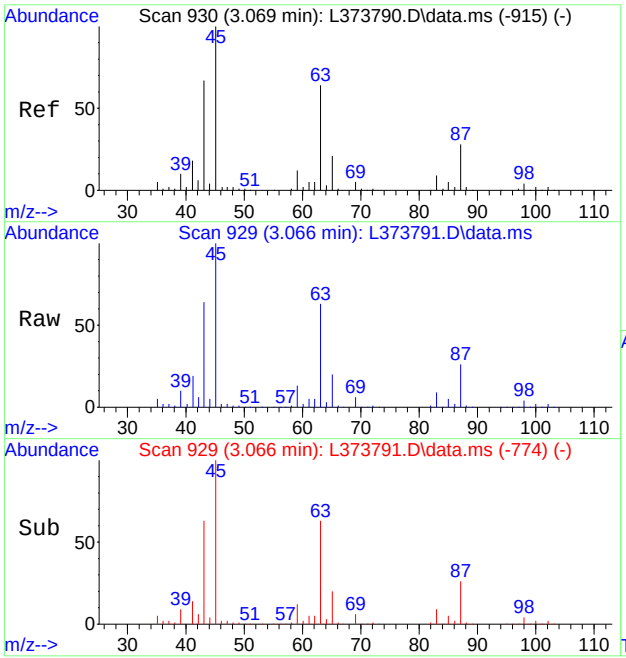


#27
hexane
Concen: 106.45 ug/L
RT: 2.957 min Scan# 895
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 57 Resp: 353117

Ion	Ratio	Lower	Upper
57	100		
56	52.0	32.9	72.9
43	60.5	41.9	81.9
86	16.1	0.0	36.3

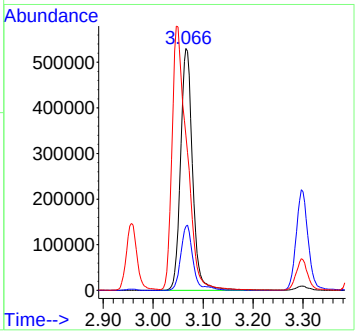


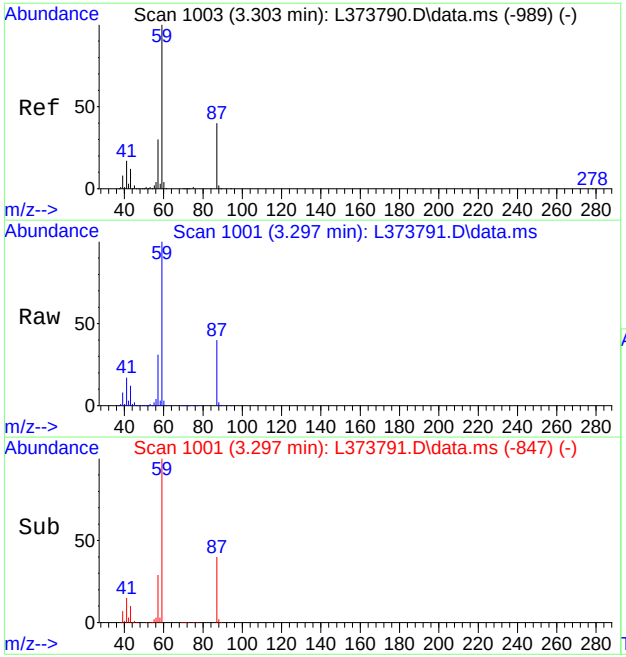


#28
di-isopropyl ether
Concen: 108.60 ug/L
RT: 3.066 min Scan# 929
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 45 Resp: 889238

Ion	Ratio	Lower	Upper
45	100		
87	26.4	0.0	57.5
43	64.0	37.5	97.5

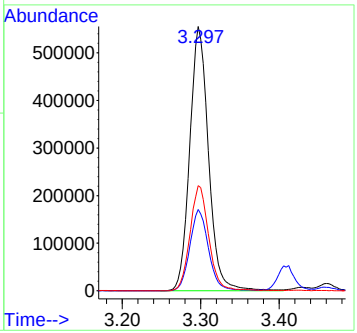


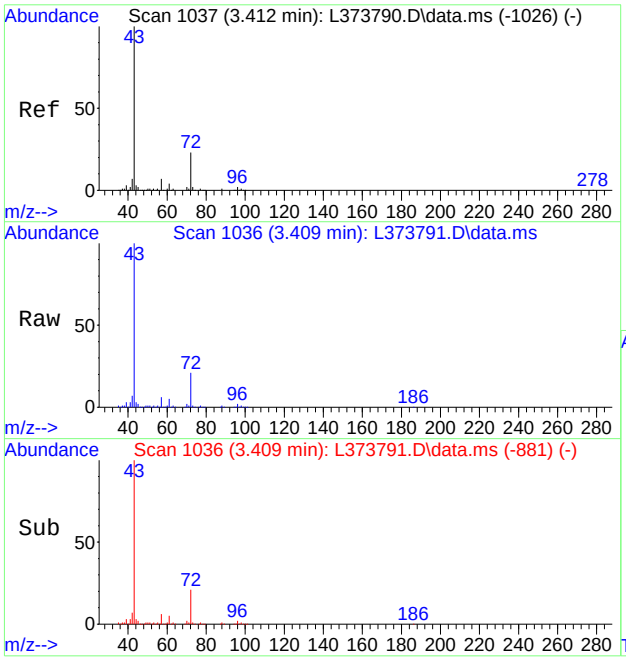


#29
ethyl tert-butyl ether
Concen: 110.28 ug/L
RT: 3.297 min Scan# 1001
Delta R.T. -0.006 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 59 Resp: 924007

Ion	Ratio	Lower	Upper
59	100		
57	30.8	0.3	60.3
87	39.7	9.6	69.6

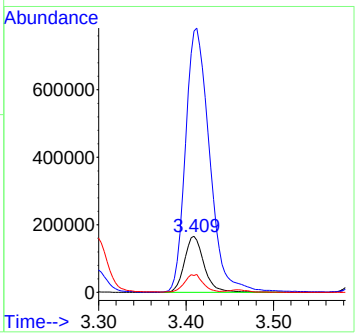


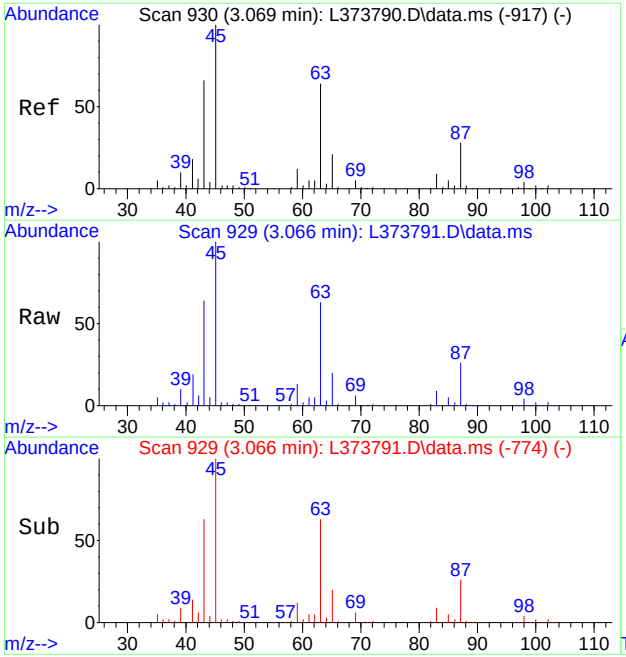


#30
2-butanone
Concen: 448.45 ug/L
RT: 3.409 min Scan# 1036
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 72 Resp: 260383

Ion	Ratio	Lower	Upper
72	100		
43	465.8	411.9	471.9
57	29.7	2.4	62.4

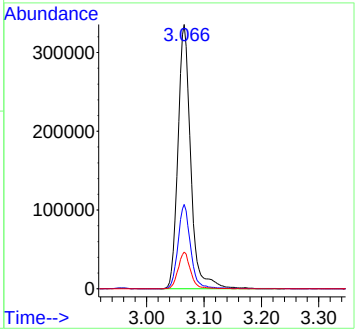


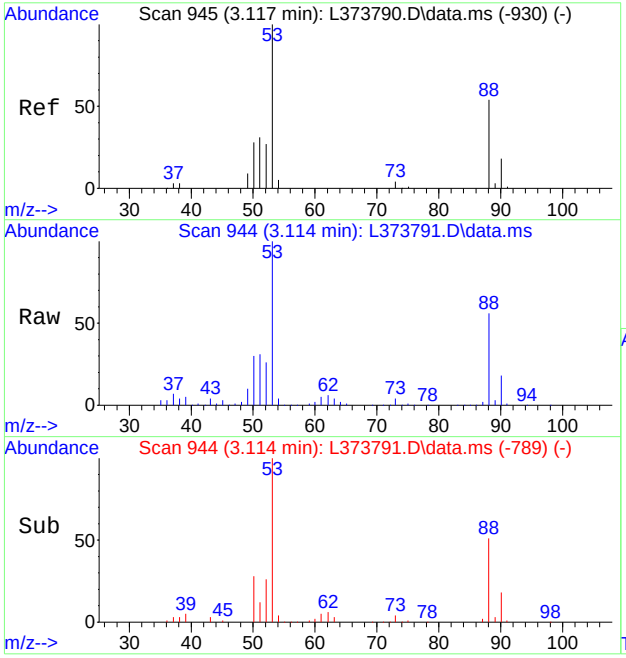


#31
1,1-dichloroethane
Concen: 100.68 ug/L
RT: 3.066 min Scan# 929
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 63 Resp: 520476

Ion	Ratio	Lower	Upper
63	100		
65	31.9	2.5	62.5
83	13.9	0.0	43.5

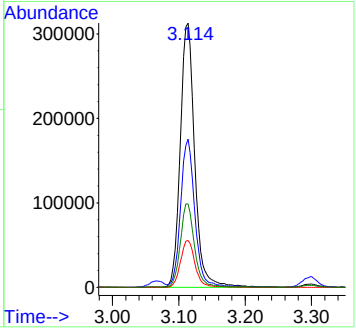


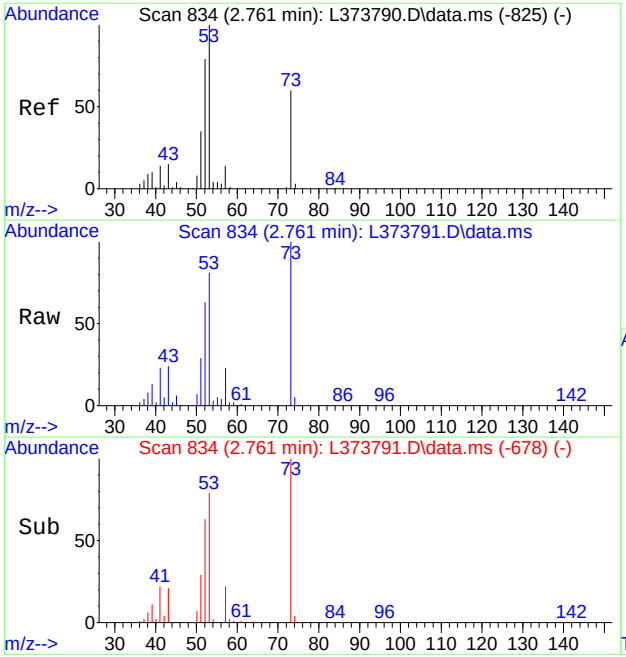


#32
chloroprene
Concen: 109.70 ug/L
RT: 3.114 min Scan# 944
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 53 Resp: 476005

Ion	Ratio	Lower	Upper
53	100		
88	56.1	26.2	86.2
90	17.7	0.0	47.9
51	31.5	0.9	60.9

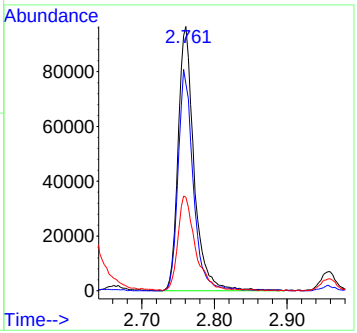


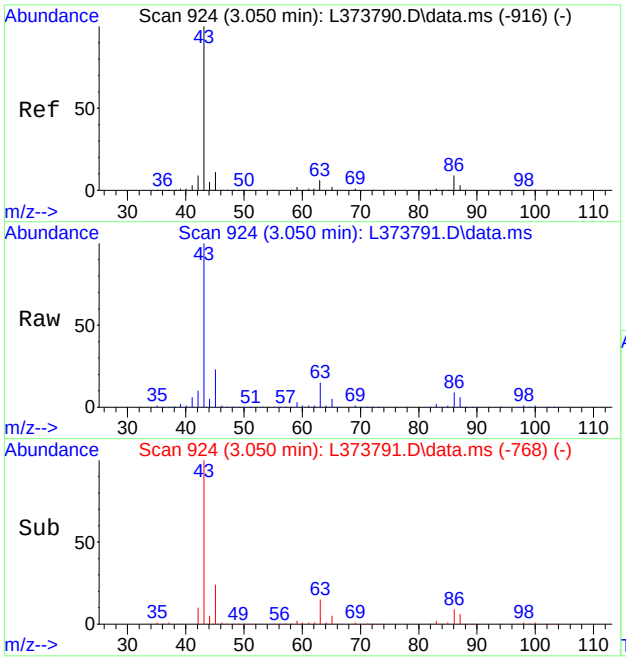


#33
acrylonitrile
Concen: 104.67 ug/L
RT: 2.761 min Scan# 834
Delta R.T. -0.000 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 53 Resp: 147682

Ion	Ratio	Lower	Upper
53	100		
52	78.3	48.8	108.8
51	35.4	4.6	64.6

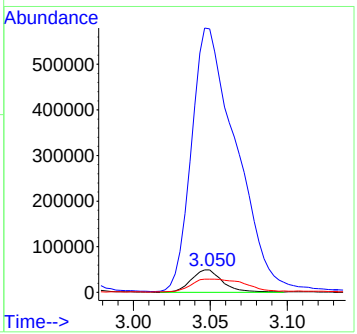


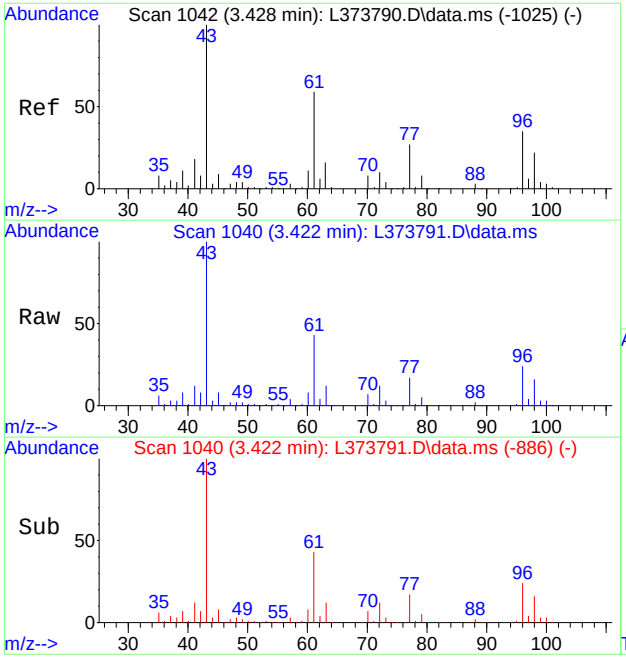


#34
vinyl acetate
Concen: 106.16 ug/L
RT: 3.050 min Scan# 924
Delta R.T. -0.000 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 86 Resp: 70853

Ion	Ratio	Lower	Upper
86	100		
43	1174.0	1076.3	1136.3#
44	56.8	23.6	83.6

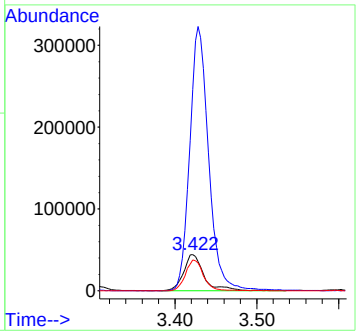


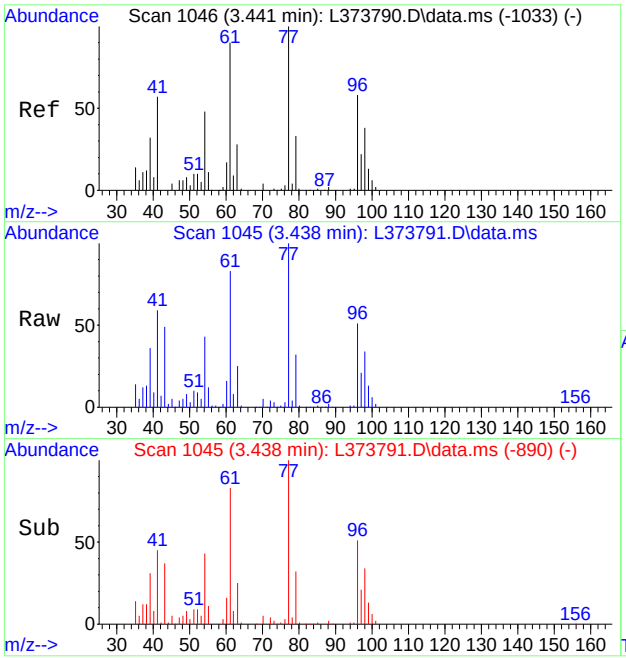


#35
ethyl acetate
Concen: 106.91 ug/L
RT: 3.422 min Scan# 1040
Delta R.T. -0.006 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 45 Resp: 77406

Ion	Ratio	Lower	Upper
45	100		
61	556.5	598.6	658.6#
70	85.2	53.6	113.6

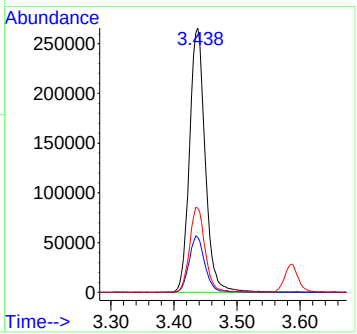


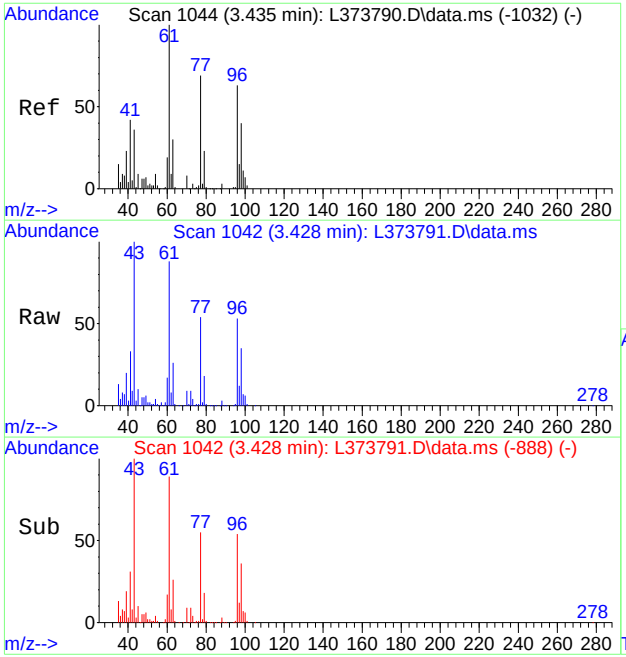


#36
2,2-dichloropropane
Concen: 98.57 ug/L
RT: 3.438 min Scan# 1045
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 77 Resp: 460858

Ion	Ratio	Lower	Upper
77	100		
97	20.8	0.0	52.3
79	31.7	3.0	63.0

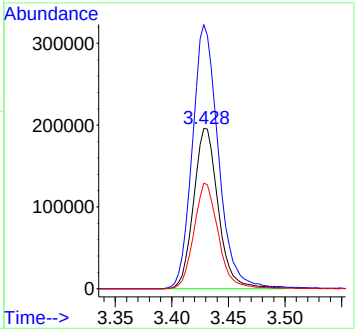


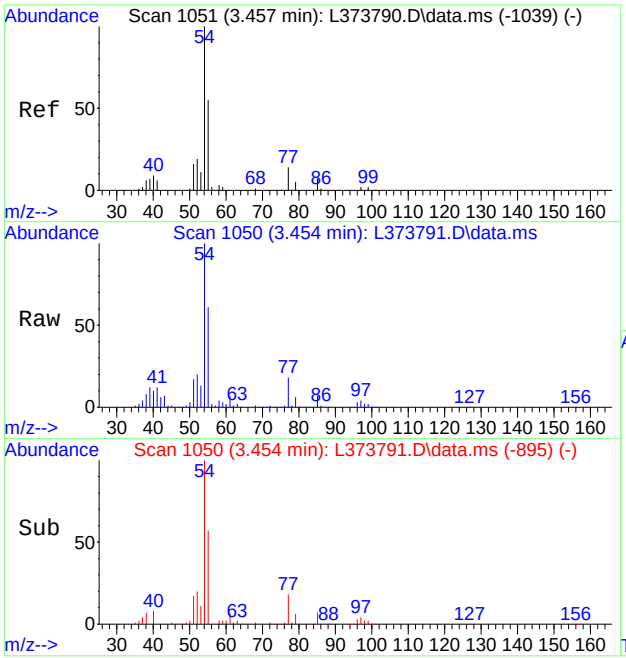


#37
cis-1,2-dichloroethene
Concen: 98.18 ug/L
RT: 3.428 min Scan# 1042
Delta R.T. -0.006 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 96 Resp: 297142

Ion	Ratio	Lower	Upper
96	100		
61	164.8	128.7	188.7
98	65.8	34.1	94.1

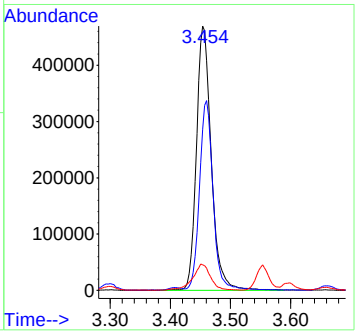


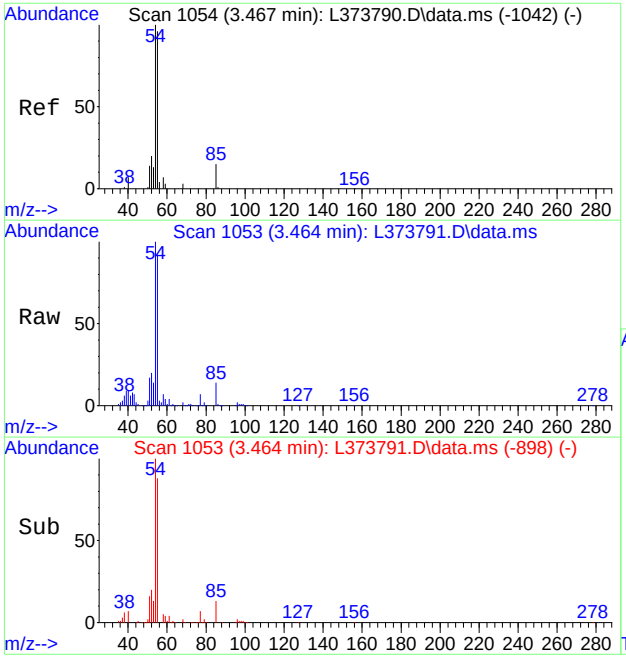


#38
propionitrile
Concen: 986.23 ug/L
RT: 3.454 min Scan# 1050
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 54 Resp: 804759

Ion	Ratio	Lower	Upper
54	100		
55	60.8	25.4	85.4
40	9.5	0.0	39.0

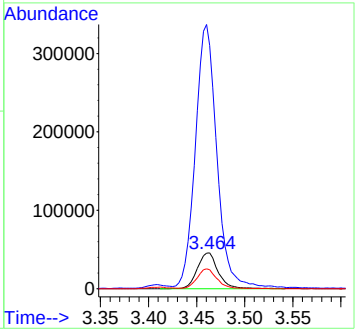


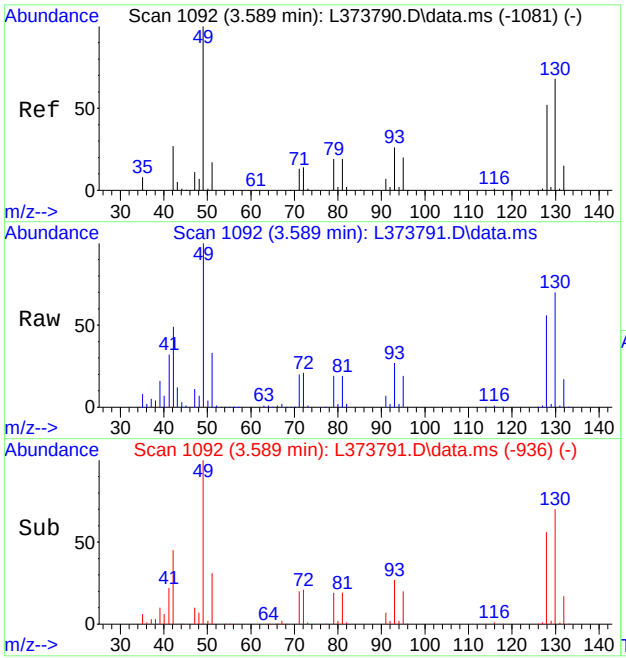


#39
methyl acrylate
Concen: 114.23 ug/L
RT: 3.464 min Scan# 1053
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 85 Resp: 69748

Ion	Ratio	Lower	Upper
85	100		
55	673.0	639.4	679.4
58	52.5	29.8	69.8

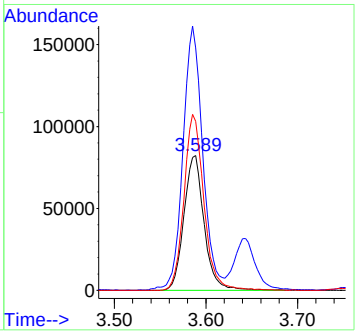


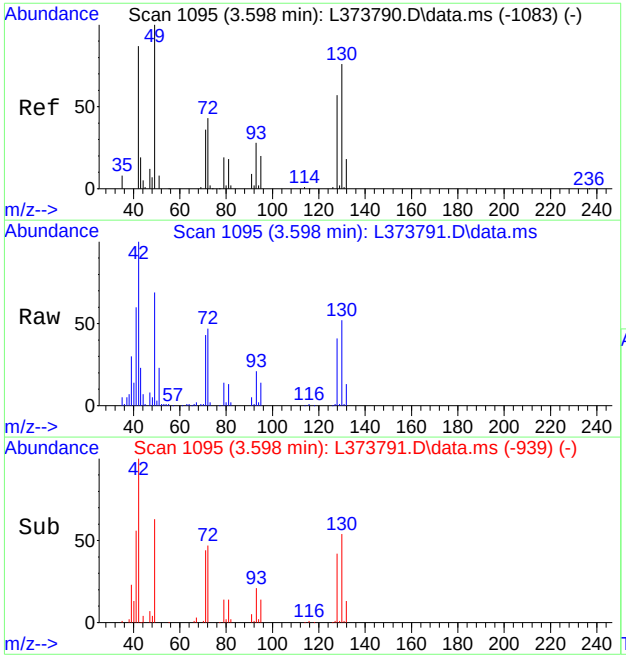


#40
bromochloromethane
Concen: 93.36 ug/L
RT: 3.589 min Scan# 1092
Delta R.T. -0.000 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion:128 Resp: 126036

Ion	Ratio	Lower	Upper
128	100		
49	178.7	163.3	223.3
130	125.4	100.3	160.3

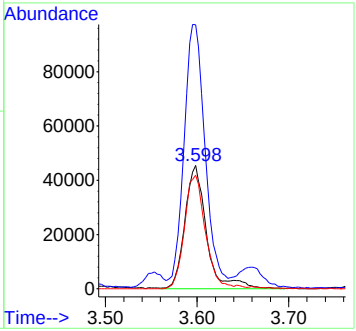


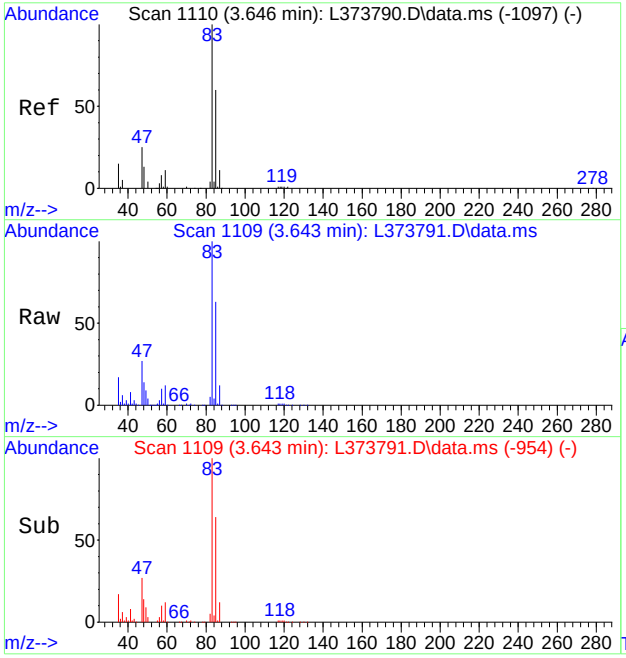


#41
tetrahydrofuran
Concen: 101.25 ug/L
RT: 3.598 min Scan# 1095
Delta R.T. -0.000 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 72 Resp: 74887

Ion	Ratio	Lower	Upper
72	100		
42	212.1	183.3	243.3
71	92.1	53.5	113.5

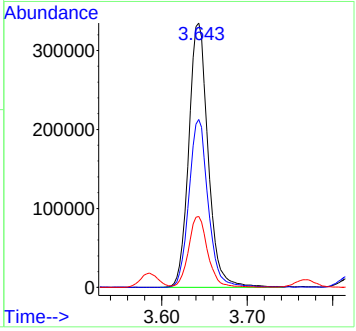


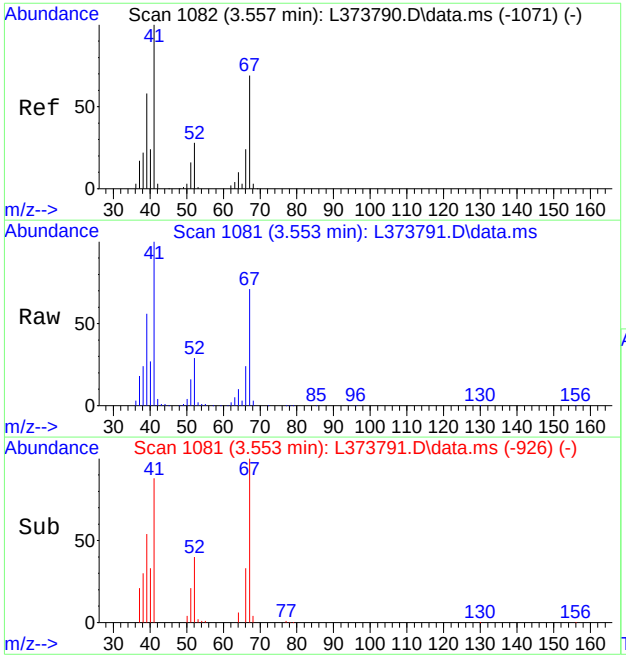


#42
chloroform
Concen: 89.37 ug/L
RT: 3.643 min Scan# 1109
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 83 Resp: 527171

Ion	Ratio	Lower	Upper
83	100		
85	63.5	29.7	89.7
47	26.6	0.0	54.6

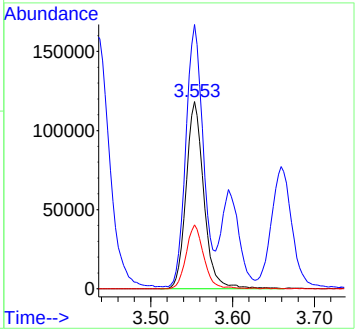


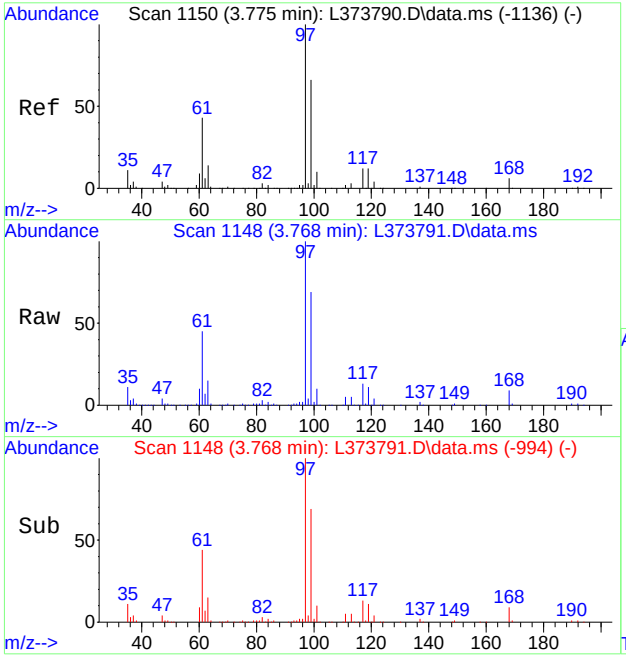


#44
methacrylonitrile
Concen: 104.69 ug/L
RT: 3.553 min Scan# 1081
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 67 Resp: 178731

Ion	Ratio	Lower	Upper
67	100		
41	140.1	115.3	175.3
66	34.1	4.3	64.3

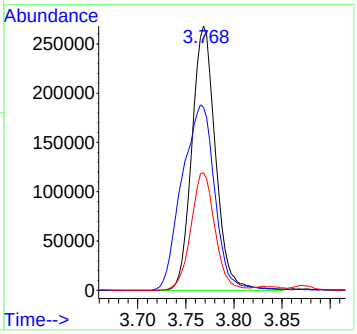


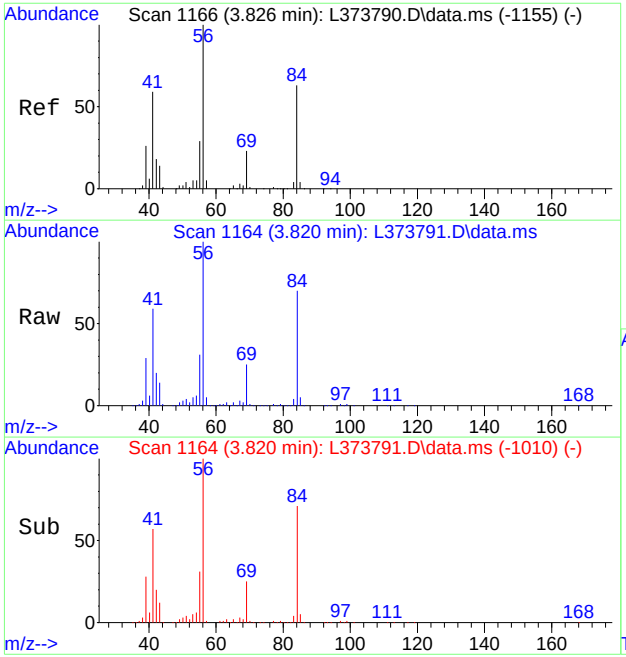


#45
1,1,1-trichloroethane
Concen: 101.55 ug/L
RT: 3.768 min Scan# 1148
Delta R.T. -0.006 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 97 Resp: 459884

Ion	Ratio	Lower	Upper
97	100		
99	68.8	41.0	101.0
61	44.5	12.9	72.9

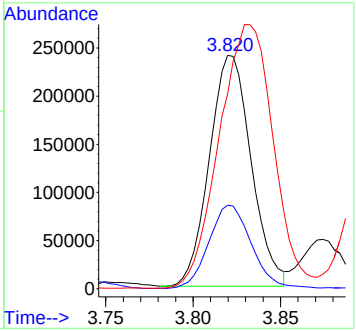


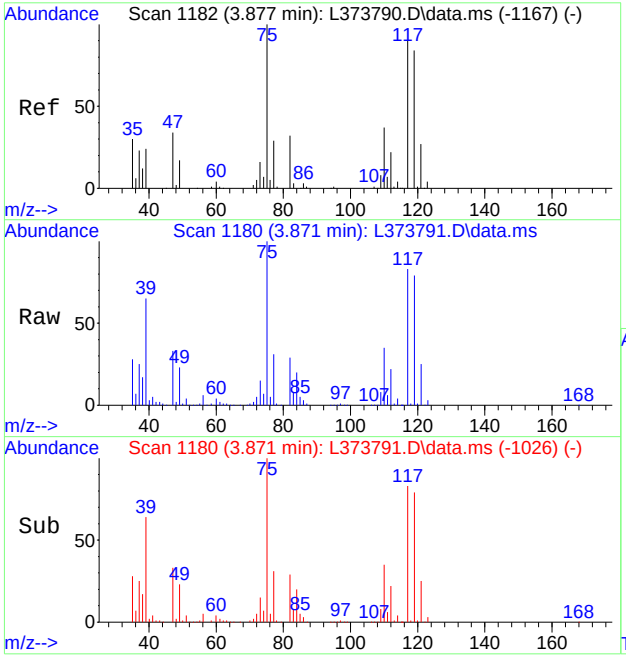


#46
cyclohexane
Concen: 107.49 ug/L
RT: 3.820 min Scan# 1164
Delta R.T. -0.006 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 84 Resp: 398777

Ion	Ratio	Lower	Upper
84	100		
69	35.9	16.2	56.2
41	84.1	73.6	113.6

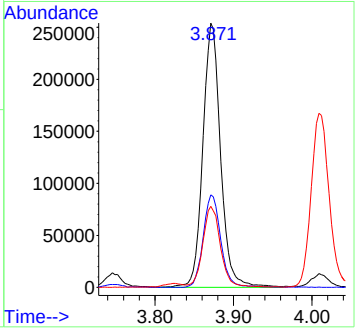


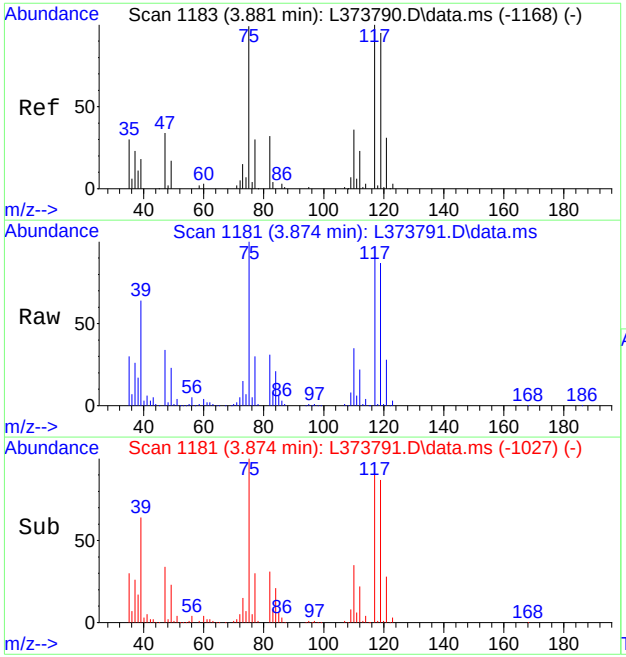


#47
1,1-dichloropropene
Concen: 111.00 ug/L
RT: 3.871 min Scan# 1180
Delta R.T. -0.006 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 75 Resp: 399542

Ion	Ratio	Lower	Upper
75	100		
110	35.0	17.0	57.0
77	30.5	10.2	50.2

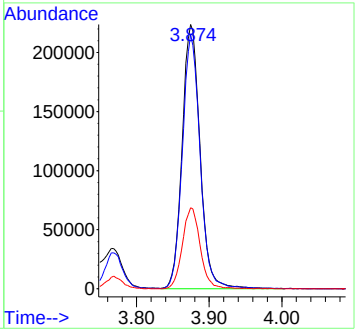


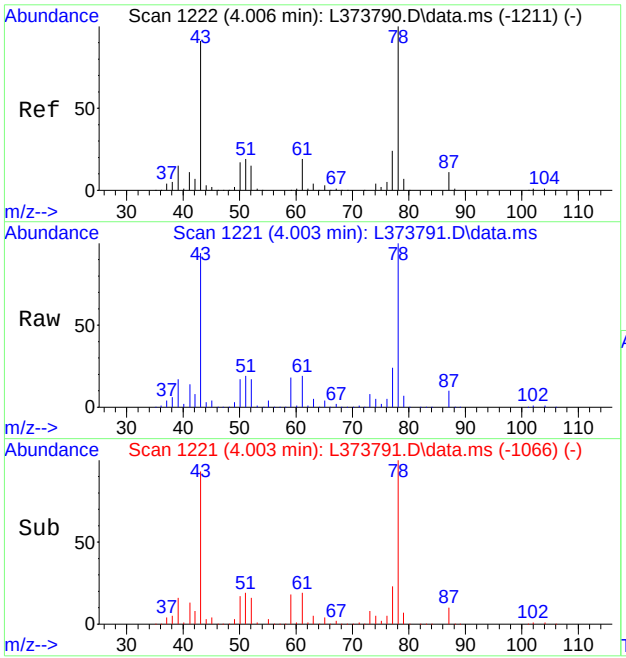


#48
carbon tetrachloride
Concen: 105.75 ug/L
RT: 3.874 min Scan# 1181
Delta R.T. -0.006 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion:117 Resp: 385611

Ion	Ratio	Lower	Upper
117	100		
119	96.2	74.4	114.4
121	30.7	10.8	50.8

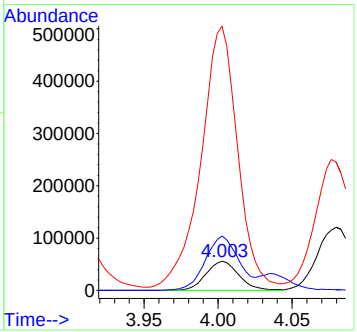


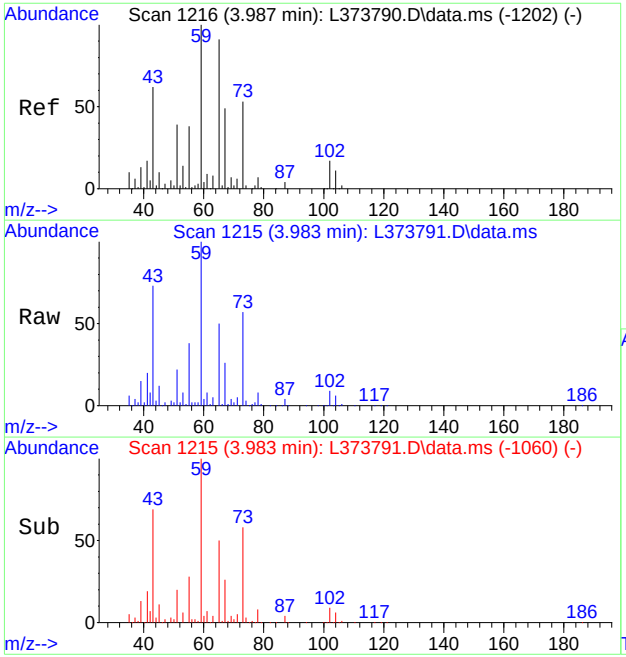


#49
isopropyl acetate
Concen: 106.82 ug/L
RT: 4.003 min Scan# 1221
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 87 Resp: 86081

Ion	Ratio	Lower	Upper
87	100		
61	184.7	152.1	192.1
43	878.1	844.1	904.1

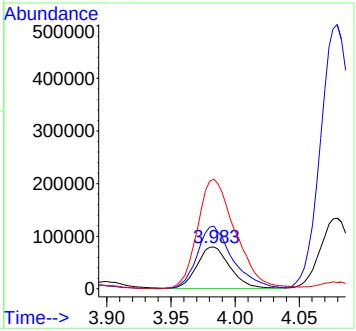


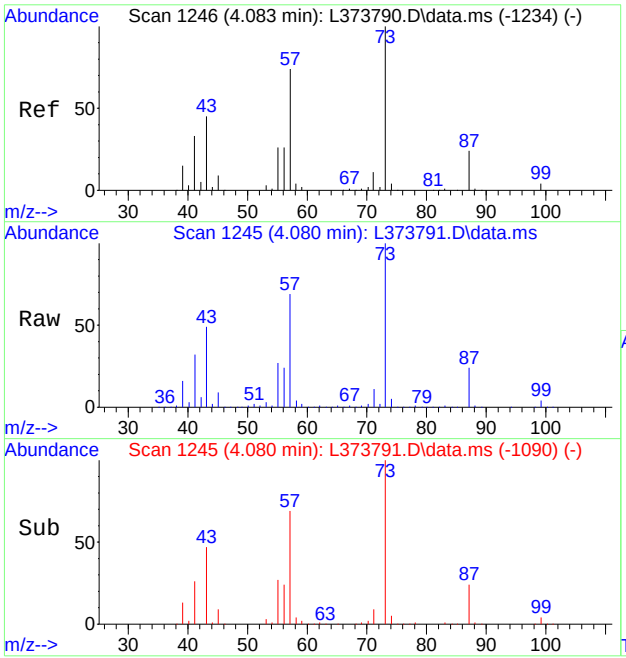


#50
tert amyl alcohol
Concen: 426.21 ug/L
RT: 3.983 min Scan# 1215
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 55 Resp: 142477

Ion	Ratio	Lower	Upper
55	100		
73	151.3	119.2	159.2
59	265.2	242.0	282.0

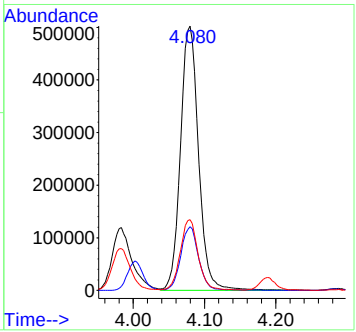


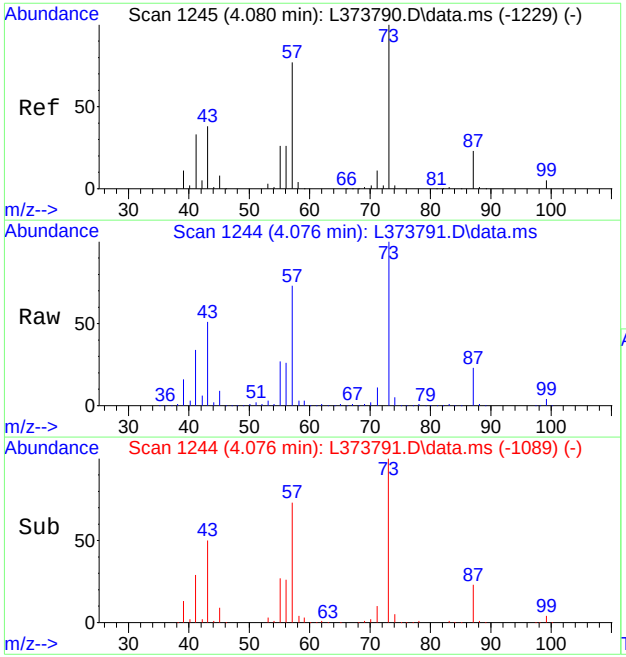


#53
tert-amyl methyl ether
Concen: 102.73 ug/L
RT: 4.080 min Scan# 1245
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 73 Resp: 887829

Ion	Ratio	Lower	Upper
73	100		
87	24.1	4.6	44.6
55	26.4	5.7	45.7

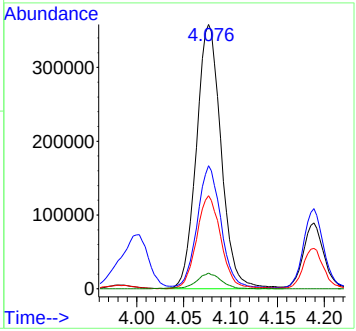


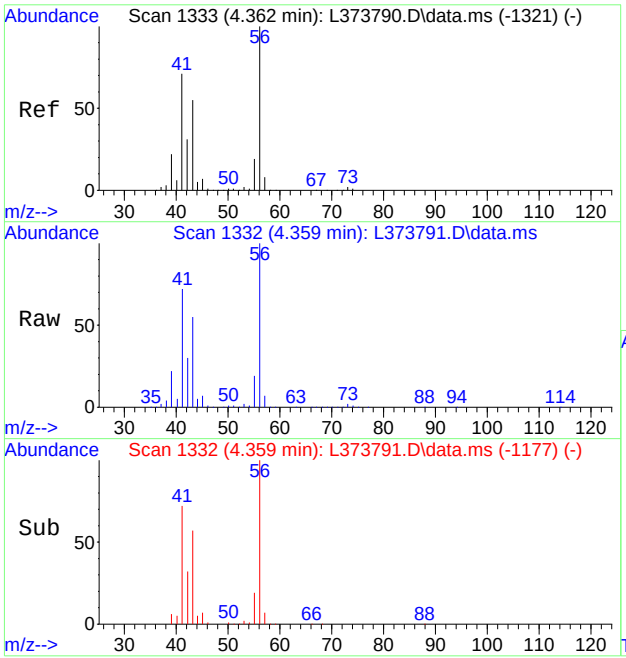


#54
2,2,4-trimethylpentane
Concen: 102.10 ug/L
RT: 4.076 min Scan# 1244
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 57 Resp: 655728

Ion	Ratio	Lower	Upper
57	100		
41	46.1	25.1	65.1
56	35.2	13.8	53.8
99	6.0	0.0	25.9

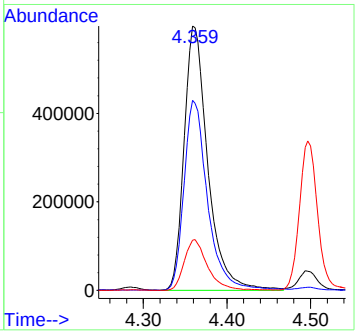


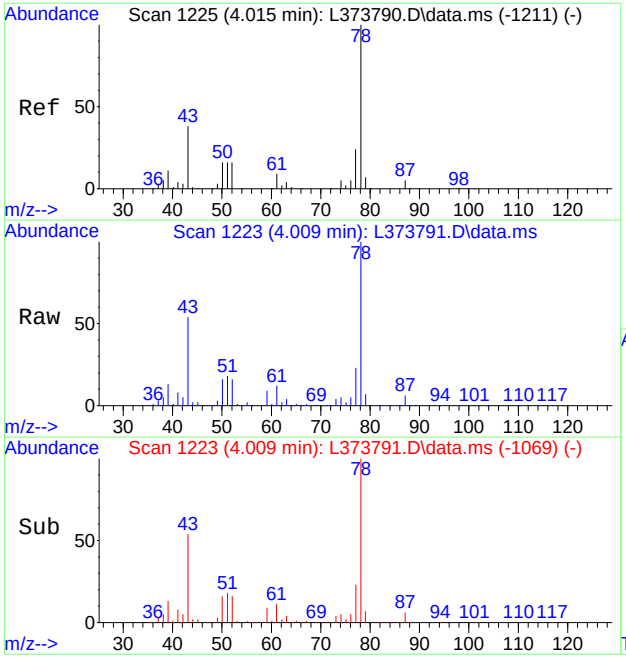


#55
n-butyl alcohol
Concen: 4471.83 ug/L
RT: 4.359 min Scan# 1332
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 56 Resp: 1175010

Ion	Ratio	Lower	Upper
56	100		
41	71.8	40.6	100.6
55	19.0	0.0	49.1

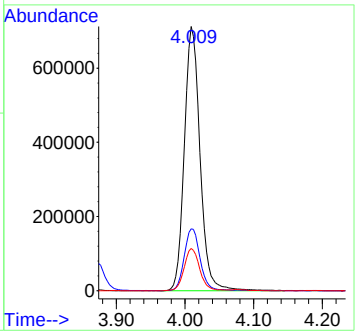


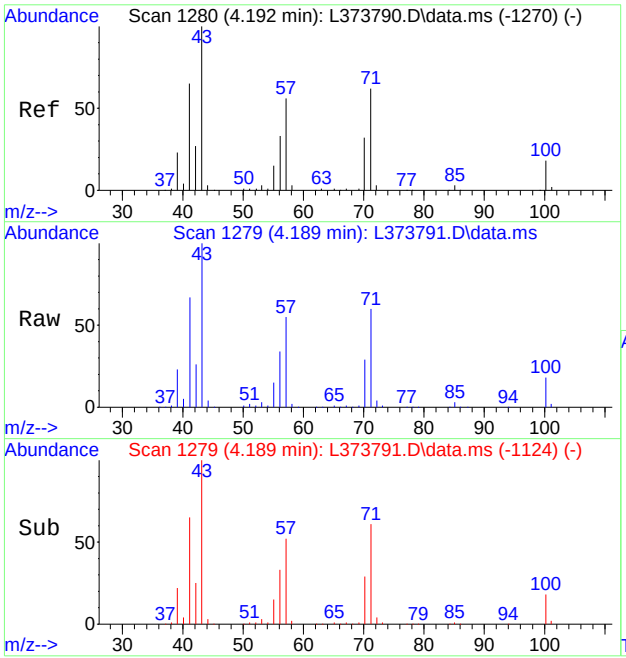


#56
benzene
Concen: 96.32 ug/L
RT: 4.009 min Scan# 1223
Delta R.T. -0.006 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 78 Resp: 1129872

Ion	Ratio	Lower	Upper
78	100		
77	23.4	0.0	53.5
52	16.0	0.0	46.2

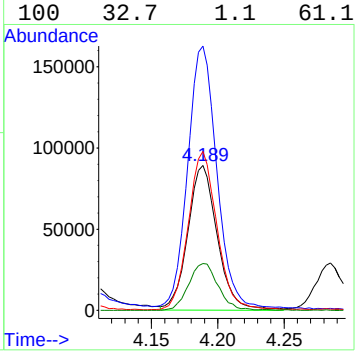


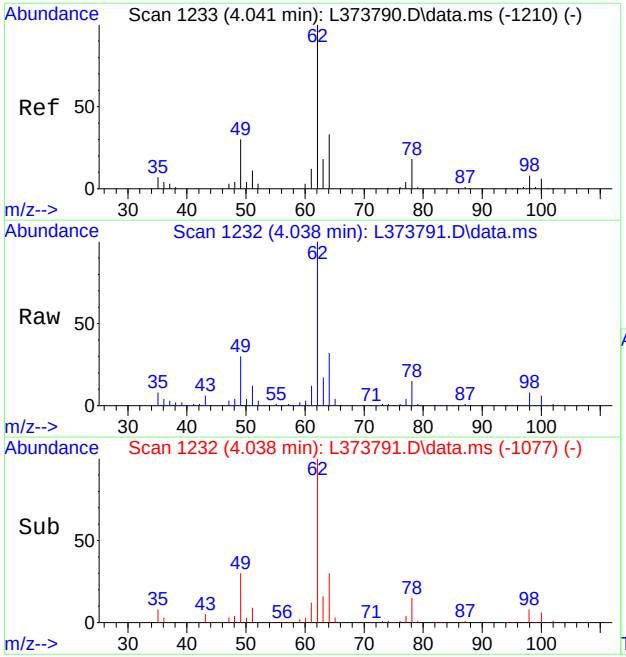


#57
heptane
Concen: 101.37 ug/L
RT: 4.189 min Scan# 1279
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 57 Resp: 137904

Ion	Ratio	Lower	Upper
57	100		
43	182.4	146.8	206.8
71	110.2	78.5	138.5
100	32.7	1.1	61.1

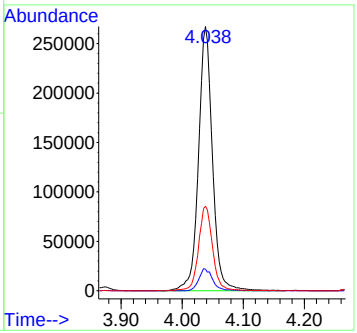


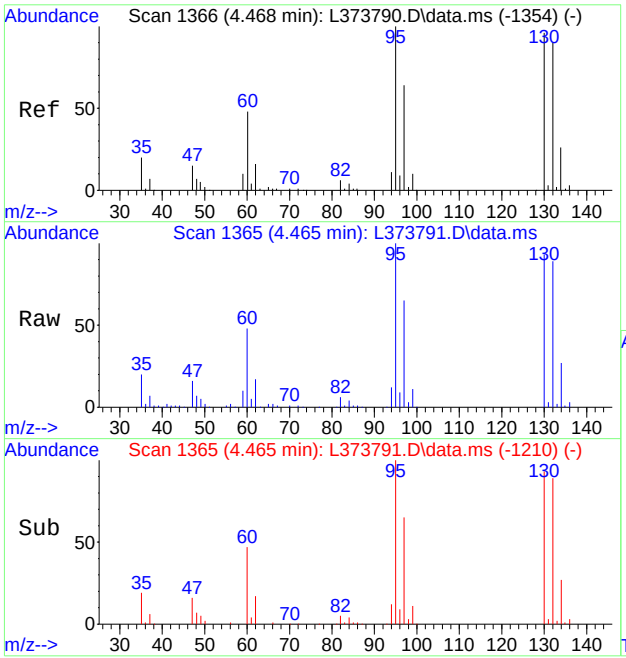


#58
1,2-dichloroethane
Concen: 95.09 ug/L
RT: 4.038 min Scan# 1232
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 62 Resp: 424975

Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	38.1
64	32.0	2.8	62.8

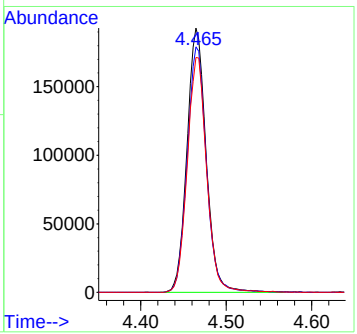


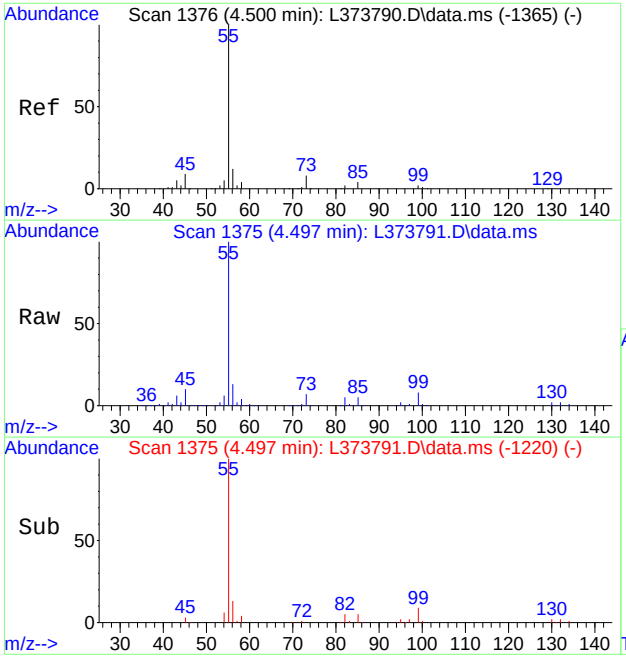


#59
trichloroethene
Concen: 103.70 ug/L
RT: 4.465 min Scan# 1365
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 95 Resp: 301012

Ion	Ratio	Lower	Upper
95	100		
130	92.9	65.5	125.5
132	88.8	59.7	119.7

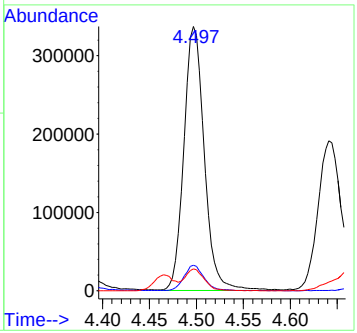


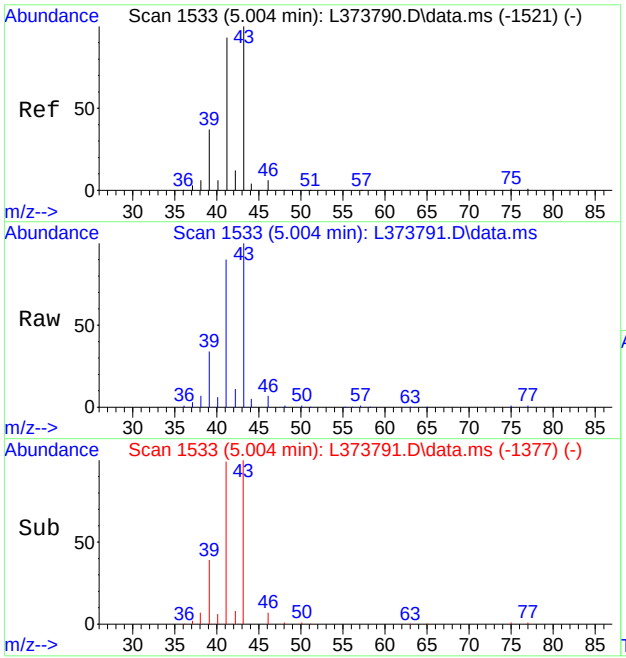


#60
ethyl acrylate
Concen: 97.33 ug/L
RT: 4.497 min Scan# 1375
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 55 Resp: 512786

Ion	Ratio	Lower	Upper
55	100		
45	9.7	0.0	28.6
99	8.3	0.0	27.8

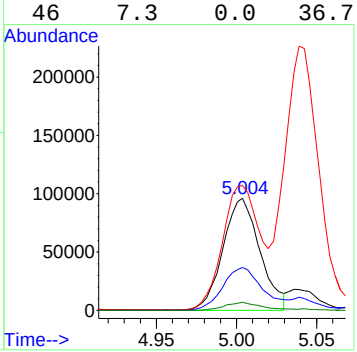


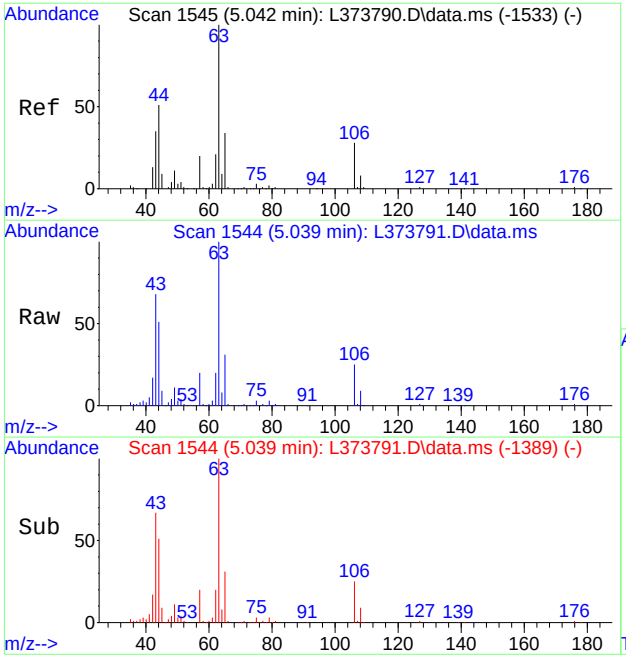


#61
2-nitropropane
Concen: 100.15 ug/L
RT: 5.004 min Scan# 1533
Delta R.T. -0.000 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 41 Resp: 154797

Ion	Ratio	Lower	Upper
41	100		
39	38.1	10.0	70.0
43	111.1	77.9	137.9
46	7.3	0.0	36.7

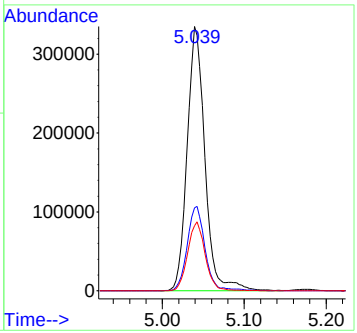


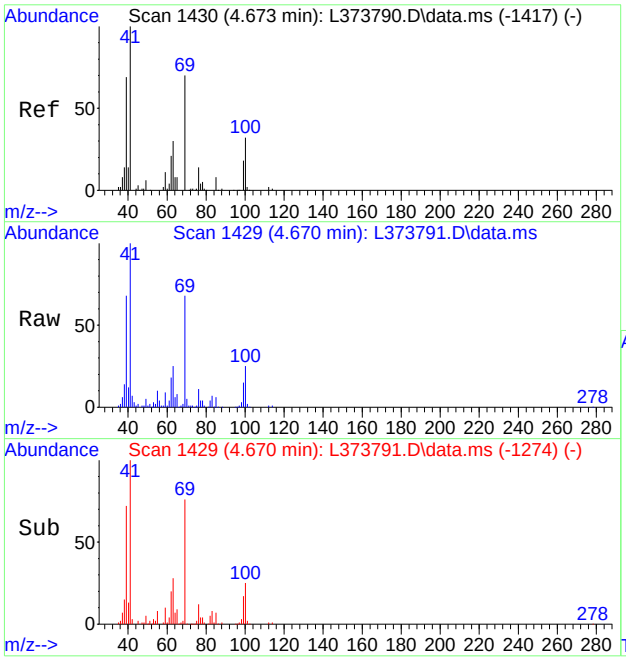


#62
2-chloroethyl vinyl ether
Concen: 508.99 ug/L
RT: 5.039 min Scan# 1544
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 63 Resp: 505639

Ion	Ratio	Lower	Upper
63	100		
65	31.4	3.9	63.9
106	24.6	0.0	57.6

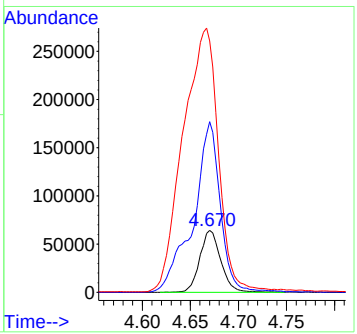


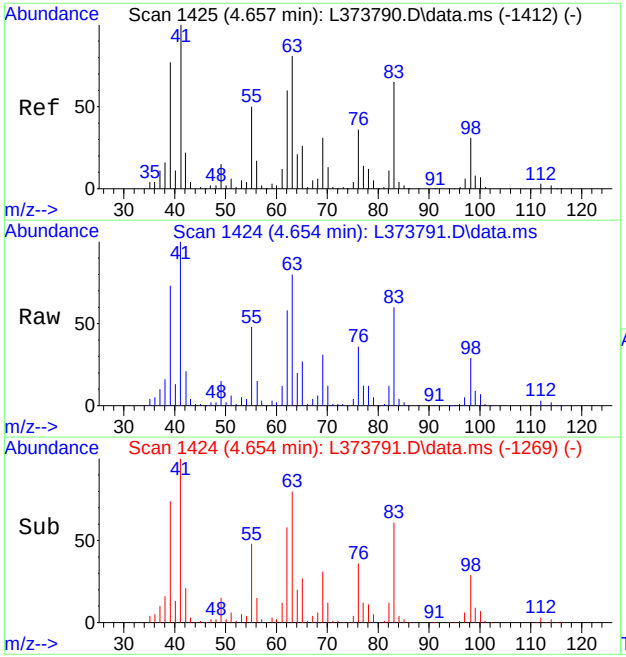


#63
methyl methacrylate
Concen: 102.39 ug/L
RT: 4.670 min Scan# 1429
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion:100 Resp: 98404

Ion	Ratio	Lower	Upper
100	100		
69	273.5	221.2	281.2
41	401.1	360.4	420.4

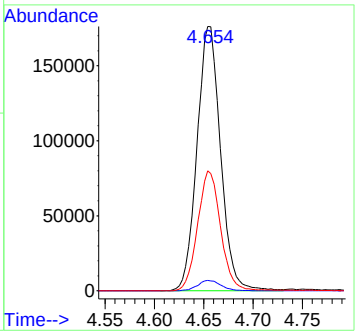


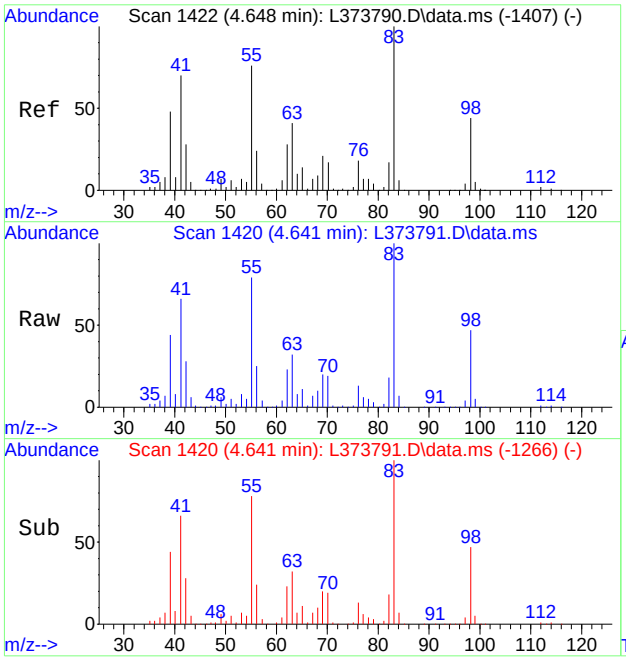


#64
1,2-dichloropropane
Concen: 98.54 ug/L
RT: 4.654 min Scan# 1424
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 63 Resp: 293278

Ion	Ratio	Lower	Upper
63	100		
112	3.9	0.0	34.1
76	45.3	14.3	74.3

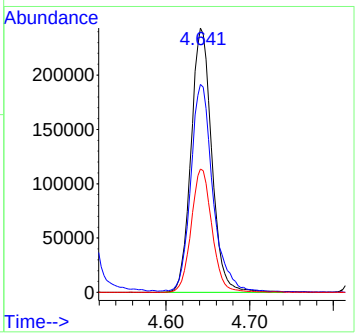


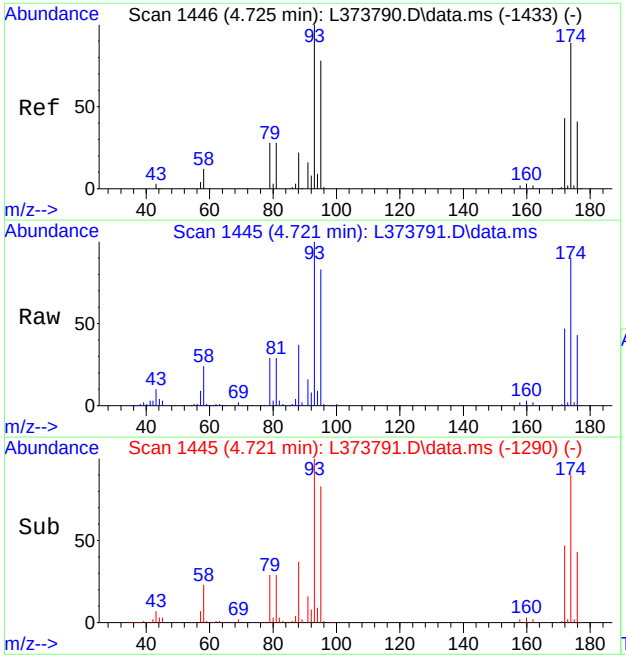


#65
methylcyclohexane
Concen: 106.45 ug/L
RT: 4.641 min Scan# 1420
Delta R.T. -0.006 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 83 Resp: 420112

Ion	Ratio	Lower	Upper
83	100		
55	78.4	46.3	106.3
98	46.6	13.7	73.7

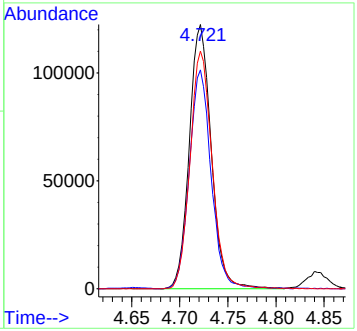


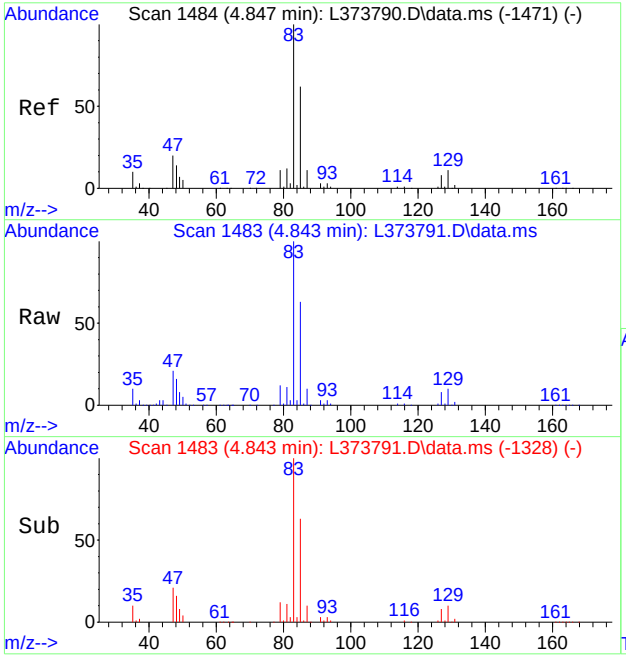


#66
dibromomethane
Concen: 93.99 ug/L
RT: 4.721 min Scan# 1445
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 93 Resp: 194666

Ion	Ratio	Lower	Upper
93	100		
95	82.8	48.3	108.3
174	89.8	59.2	119.2

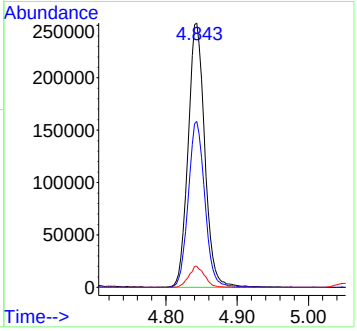


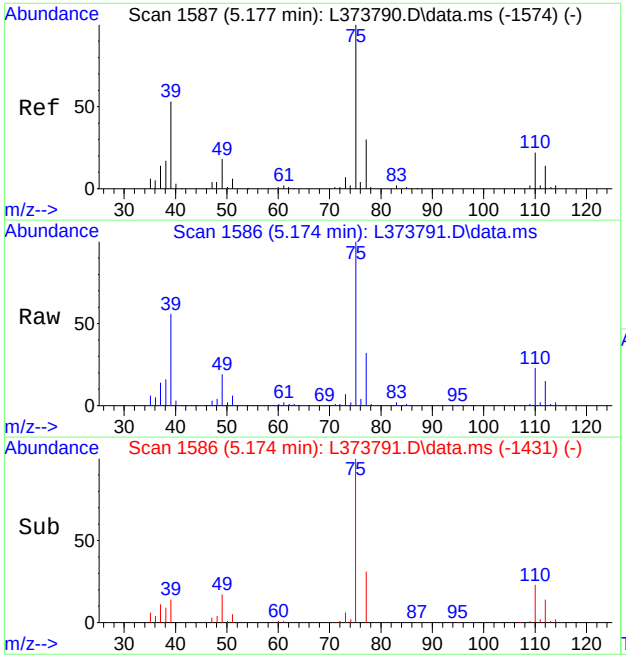


#67
bromodichloromethane
Concen: 96.53 ug/L
RT: 4.843 min Scan# 1483
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 83 Resp: 411483

Ion	Ratio	Lower	Upper
83	100		
85	62.8	31.5	91.5
127	7.9	0.0	38.3

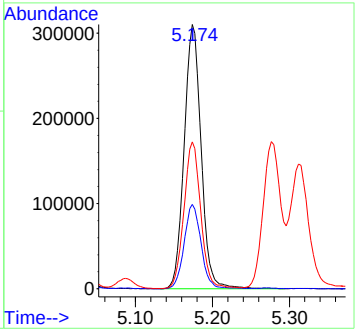


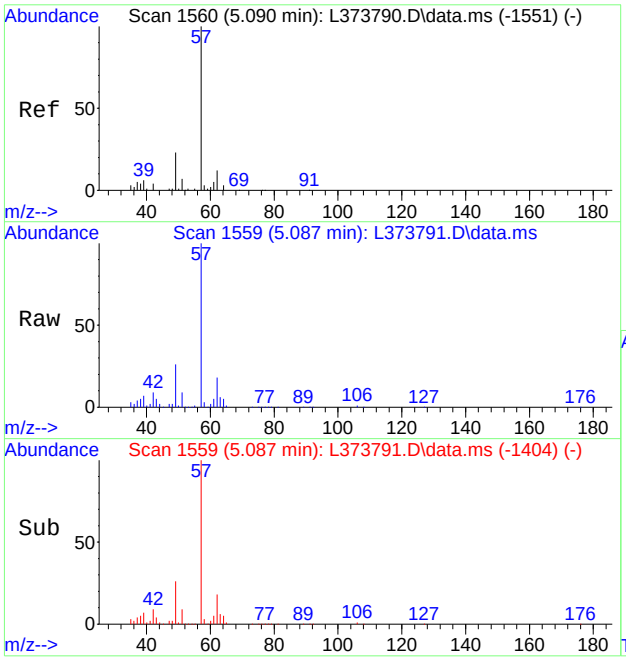


#68
cis-1,3-dichloropropene
Concen: 100.14 ug/L
RT: 5.174 min Scan# 1586
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 75 Resp: 474895

Ion	Ratio	Lower	Upper
75	100		
77	31.9	0.1	60.1
39	55.5	23.1	83.1

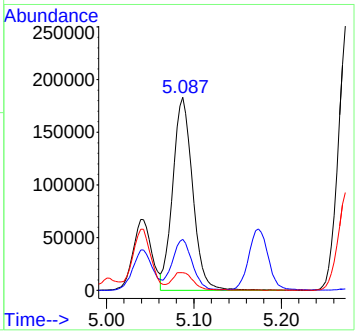


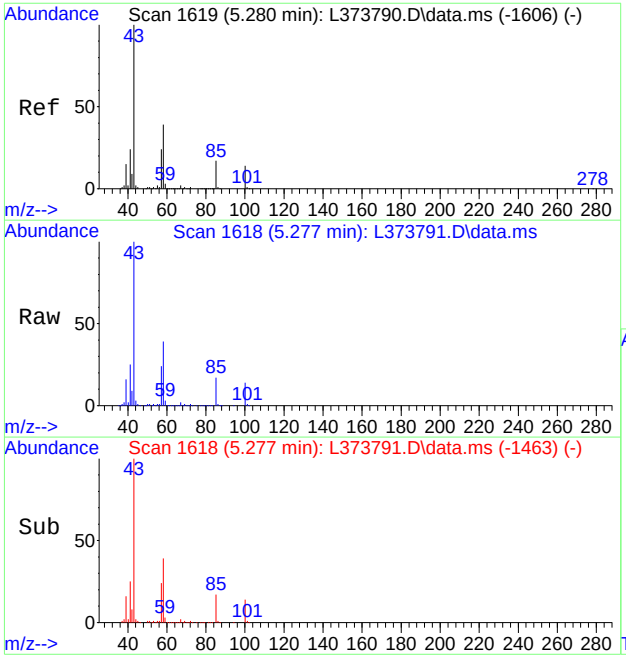


#69
epichlorohydrin
Concen: 471.16 ug/L
RT: 5.087 min Scan# 1559
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 57 Resp: 289736

Ion	Ratio	Lower	Upper
57	100		
49	25.0	1.0	41.0
42	9.0	0.0	29.5

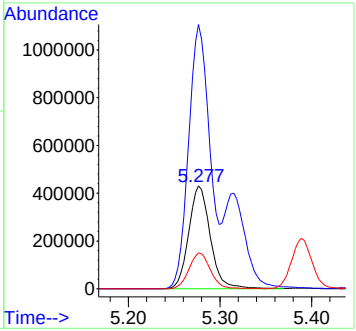


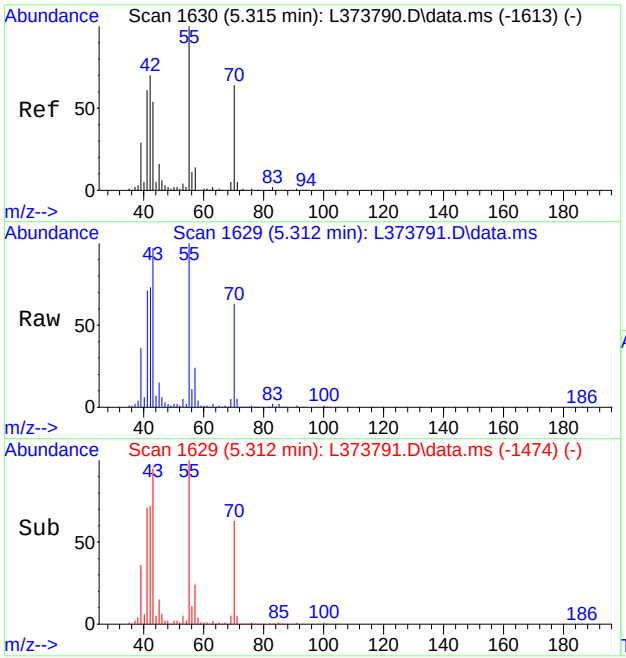


#70
4-methyl-2-pentanone
Concen: 371.70 ug/L
RT: 5.277 min Scan# 1618
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 58 Resp: 704863

Ion	Ratio	Lower	Upper
58	100		
43	256.7	233.3	273.3
100	34.9	15.2	55.2

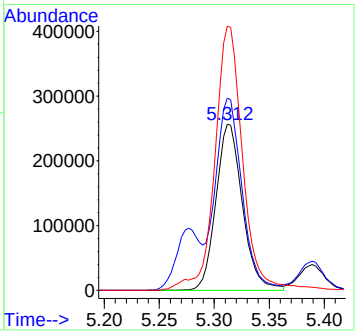


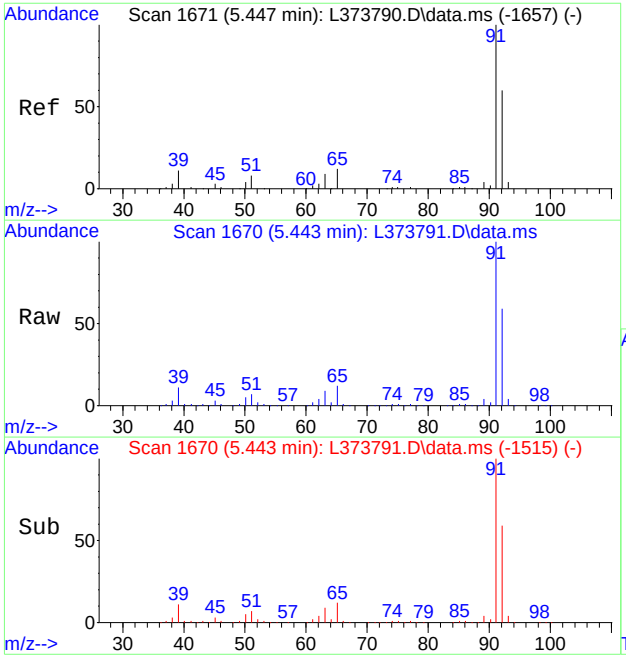


#71
3-methyl-1-butanol
Concen: 1743.04 ug/L
RT: 5.312 min Scan# 1629
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 70 Resp: 430951

Ion	Ratio	Lower	Upper
70	100		
42	114.3	94.2	134.2
55	158.9	137.5	177.5

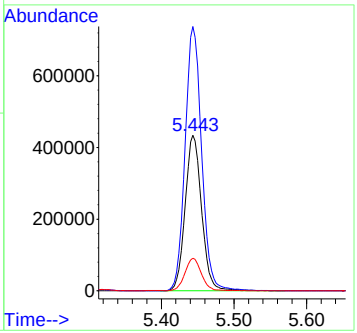


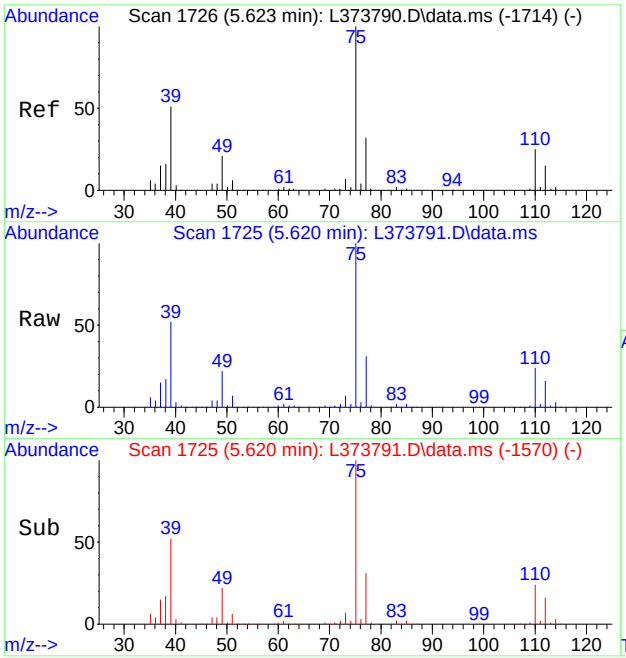


#74
toluene
Concen: 95.97 ug/L
RT: 5.443 min Scan# 1670
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 92 Resp: 685153

Ion	Ratio	Lower	Upper
92	100		
91	169.9	136.7	196.7
65	20.9	0.0	50.8

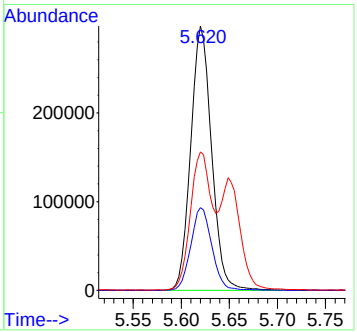


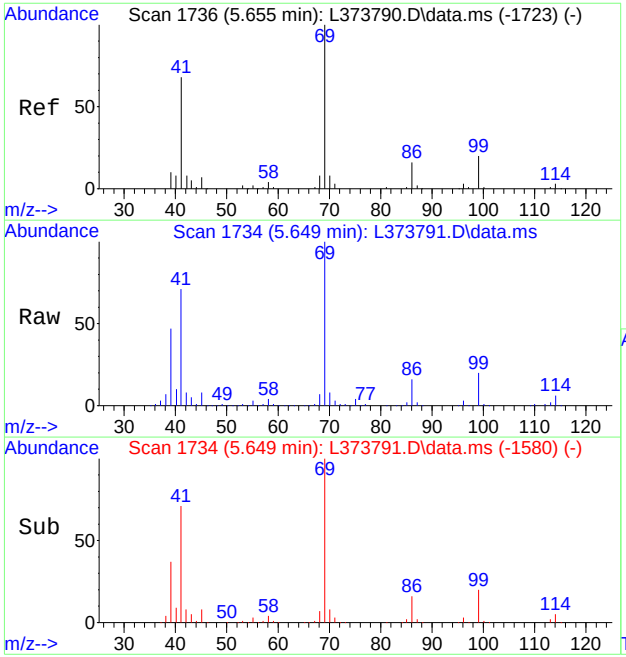


#75
trans-1,3-dichloropropene
Concen: 103.03 ug/L
RT: 5.620 min Scan# 1725
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 75 Resp: 450810

Ion	Ratio	Lower	Upper
75	100		
77	31.3	1.7	61.7
39	52.1	20.7	80.7

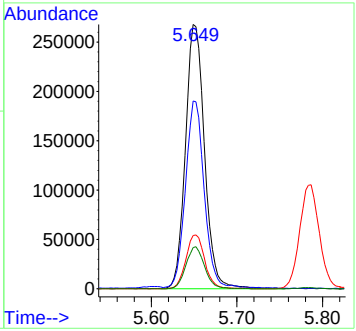


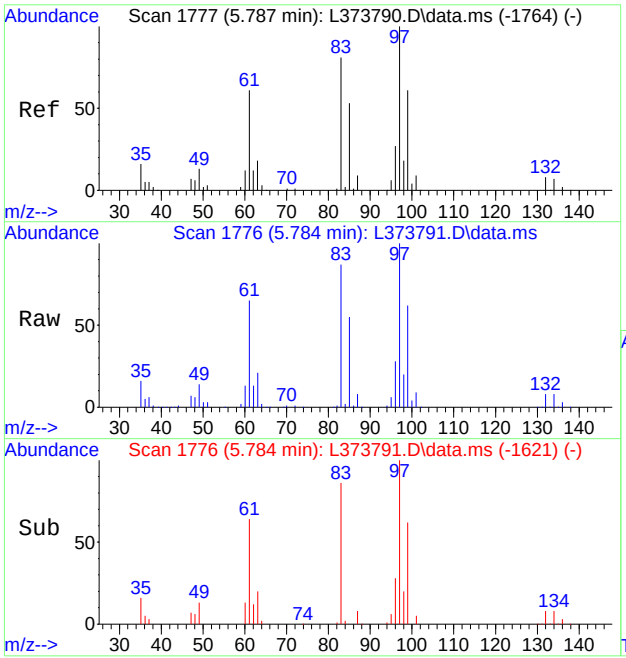


#76
ethyl methacrylate
Concen: 91.33 ug/L
RT: 5.649 min Scan# 1734
Delta R.T. -0.006 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 69 Resp: 415639

Ion	Ratio	Lower	Upper
69	100		
41	70.8	38.9	98.9
99	20.2	0.0	50.4
86	15.7	0.0	45.9

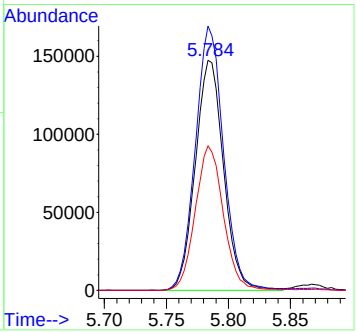


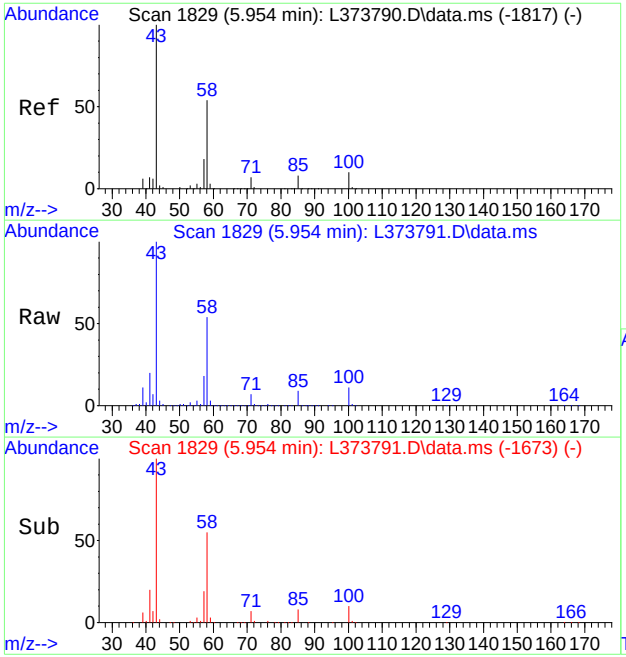


#77
1,1,2-trichloroethane
Concen: 99.10 ug/L
RT: 5.784 min Scan# 1776
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 83 Resp: 233429

Ion	Ratio	Lower	Upper
83	100		
97	115.0	93.6	153.6
85	62.9	35.4	95.4

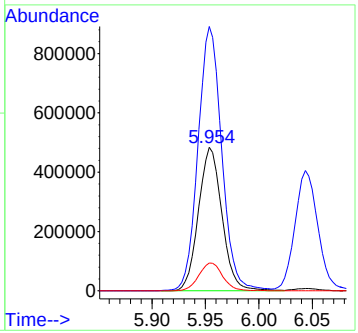


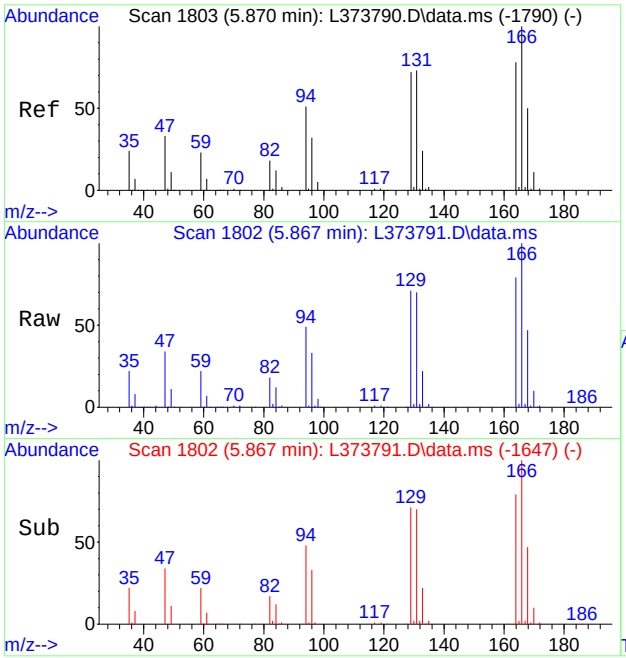


#78
2-hexanone
Concen: 359.42 ug/L
RT: 5.954 min Scan# 1829
Delta R.T. -0.000 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 58 Resp: 740979

Ion	Ratio	Lower	Upper
58	100		
43	183.9	154.6	214.6
100	19.4	0.0	49.0

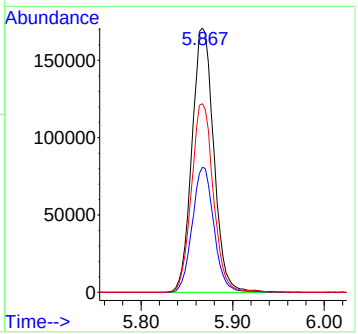


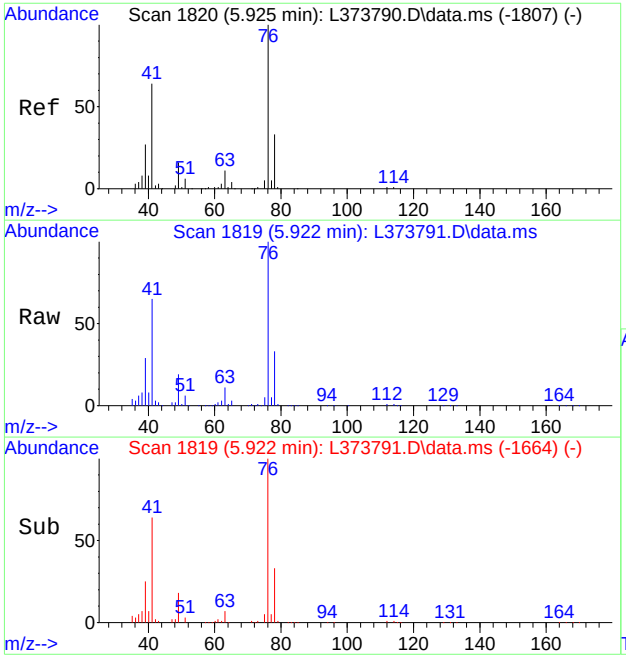


#79
tetrachloroethene
Concen: 99.47 ug/L
RT: 5.867 min Scan# 1802
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion:166 Resp: 283380

Ion	Ratio	Lower	Upper
166	100		
168	47.4	19.7	79.7
129	71.3	42.4	102.4

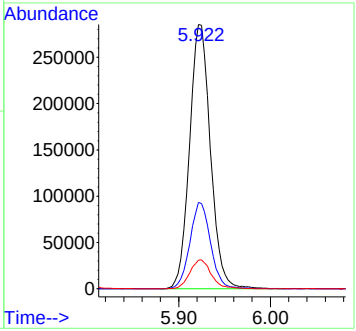


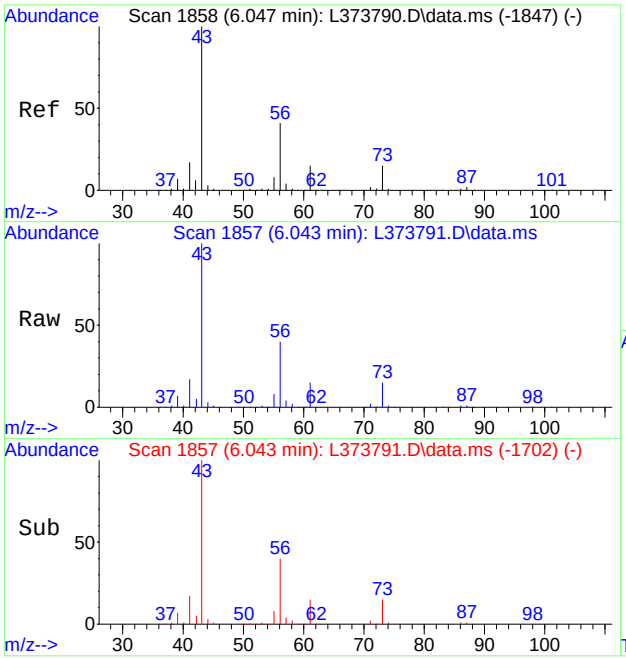


#80
1,3-dichloropropane
Concen: 100.16 ug/L
RT: 5.922 min Scan# 1819
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 76 Resp: 452893

Ion	Ratio	Lower	Upper
76	100		
78	32.7	2.7	62.7
63	10.8	0.0	41.2

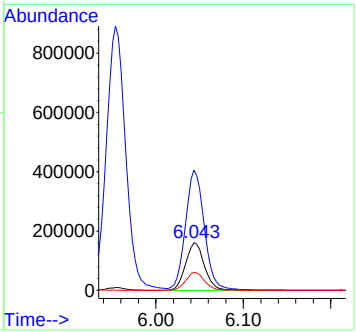


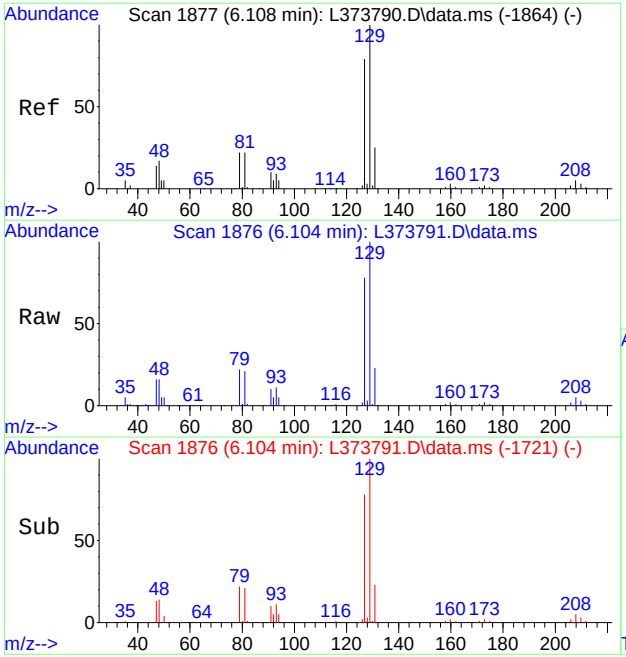


#81
butyl acetate
Concen: 89.10 ug/L
RT: 6.043 min Scan# 1857
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 56 Resp: 241785

Ion	Ratio	Lower	Upper
56	100		
43	251.5	218.3	278.3
73	38.0	7.2	67.2

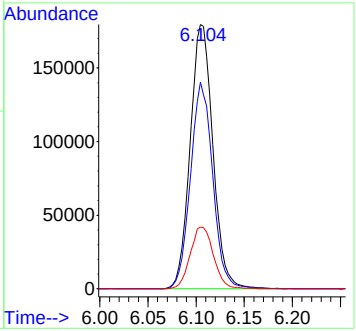


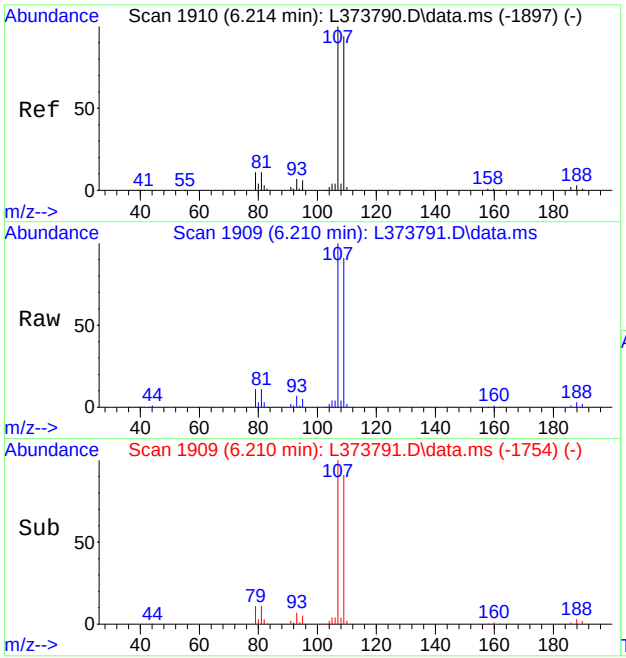


#82
dibromochloromethane
Concen: 97.14 ug/L
RT: 6.104 min Scan# 1876
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion:129 Resp: 295698

Ion	Ratio	Lower	Upper
129	100		
127	78.1	49.0	109.0
131	23.3	0.0	54.6

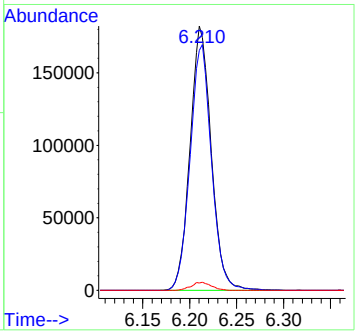


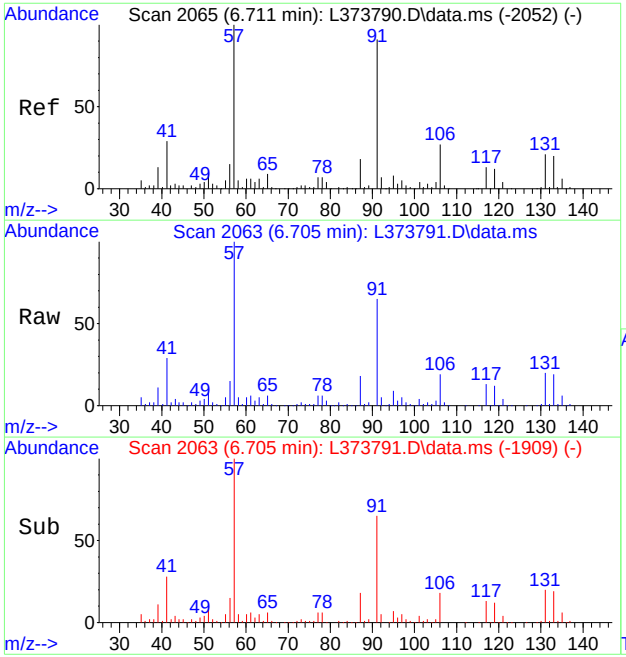


#83
1,2-dibromoethane
Concen: 100.08 ug/L
RT: 6.210 min Scan# 1909
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion:107 Resp: 285313

Ion	Ratio	Lower	Upper
107	100		
109	90.8	63.9	123.9
188	2.7	0.0	33.4

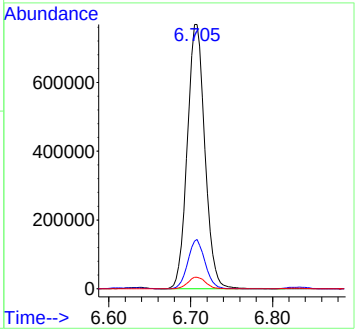


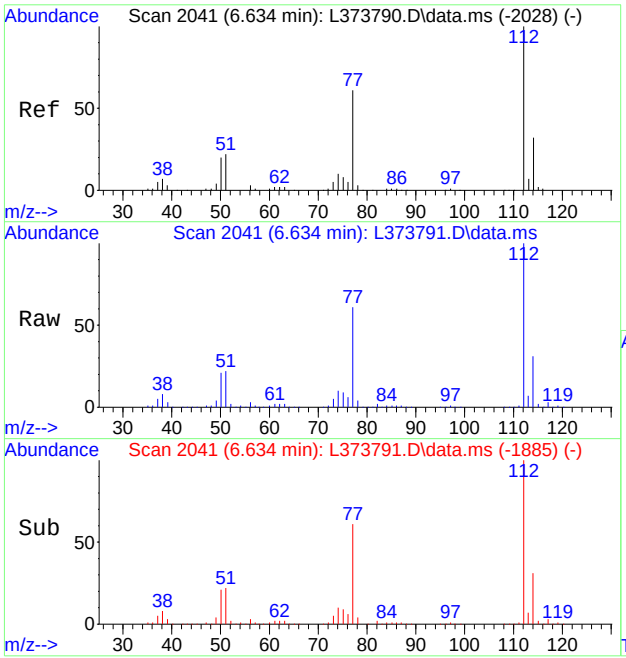


#84
n-butyl ether
Concen: 94.72 ug/L
RT: 6.705 min Scan# 2063
Delta R.T. -0.006 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 57 Resp: 1144223

Ion	Ratio	Lower	Upper
57	100		
87	18.1	0.0	47.8
101	4.3	0.0	34.2

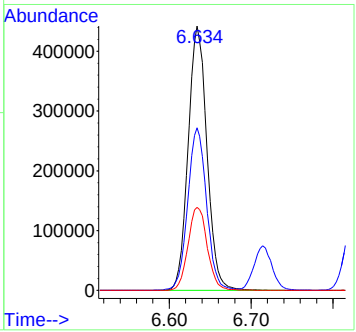


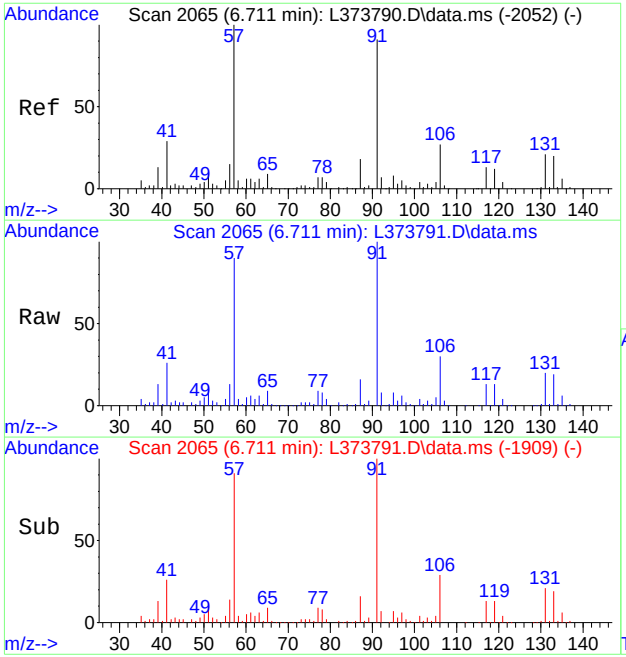


#85
chlorobenzene
Concen: 93.62 ug/L
RT: 6.634 min Scan# 2041
Delta R.T. -0.000 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion:112 Resp: 705803

Ion	Ratio	Lower	Upper
112	100		
77	61.3	30.8	90.8
114	31.4	2.4	62.4

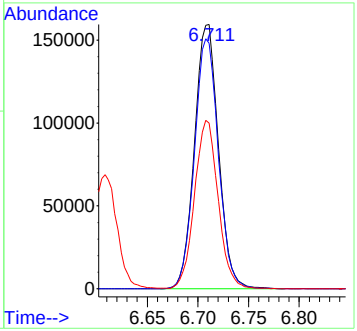


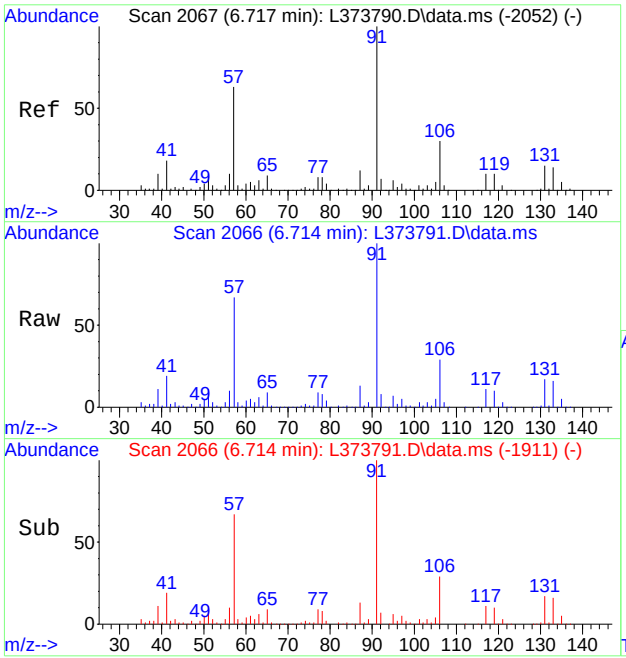


#86
1,1,1,2-tetrachloroethane
Concen: 106.07 ug/L
RT: 6.711 min Scan# 2065
Delta R.T. -0.000 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion:131 Resp: 263109

Ion	Ratio	Lower	Upper
131	100		
133	92.8	65.1	125.1
119	62.7	30.8	90.8

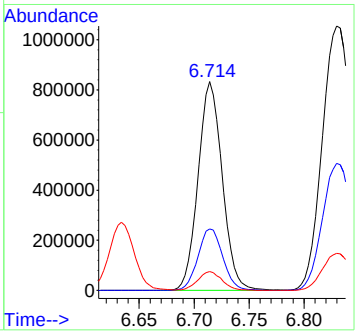


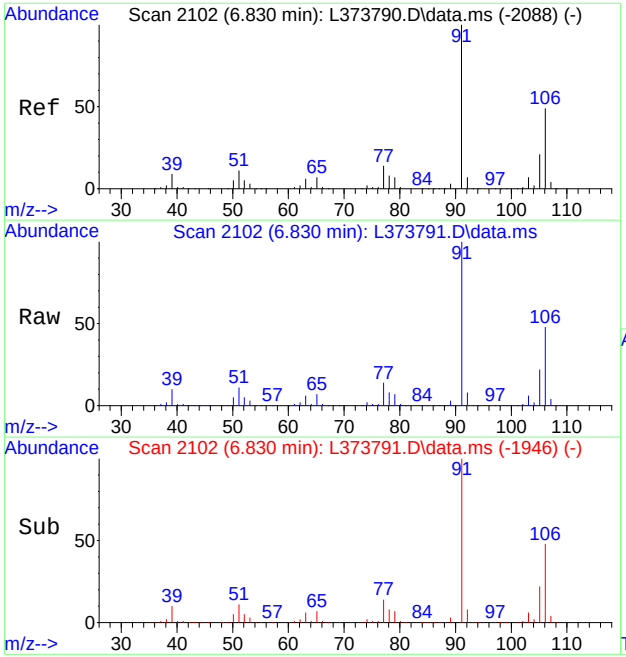


#87
ethylbenzene
Concen: 97.51 ug/L
RT: 6.714 min Scan# 2066
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 91 Resp: 1274094

Ion	Ratio	Lower	Upper
91	100		
106	29.4	0.1	60.1
77	8.9	0.0	38.6

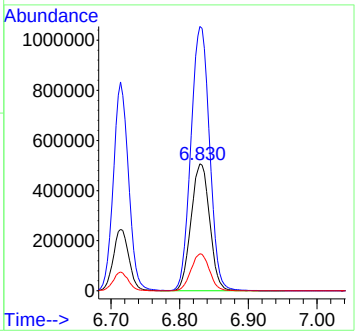


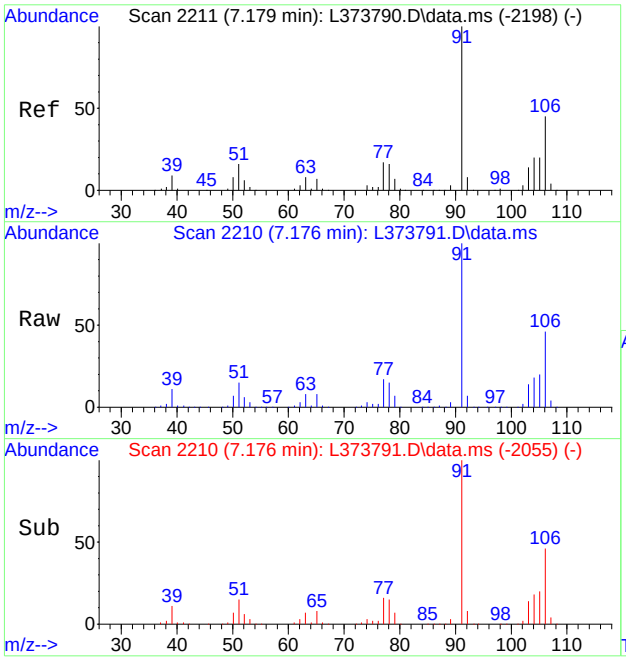


#88
m,p-xylene
Concen: 188.43 ug/L
RT: 6.830 min Scan# 2102
Delta R.T. -0.000 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion:106 Resp: 954127

Ion	Ratio	Lower	Upper
106	100		
91	208.3	175.7	235.7
77	29.1	8.1	48.1

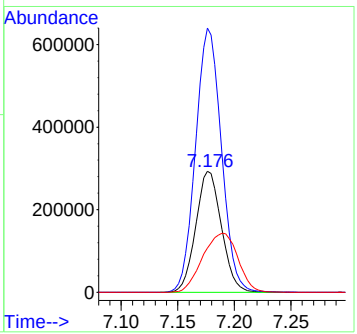


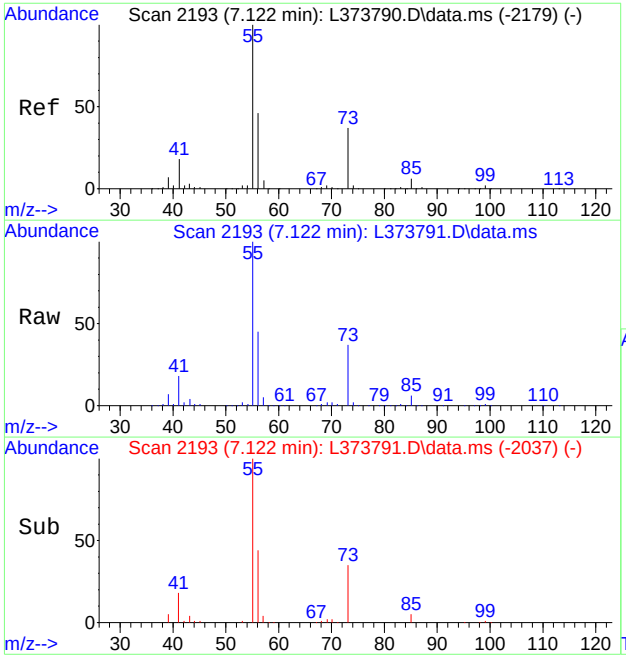


#89
o-xylene
Concen: 93.32 ug/L
RT: 7.176 min Scan# 2210
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion:106 Resp: 462703

Ion	Ratio	Lower	Upper
106	100		
91	218.2	194.5	254.5
77	36.6	18.1	58.1

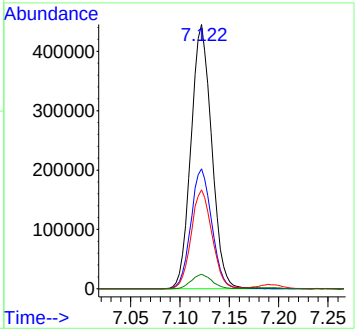


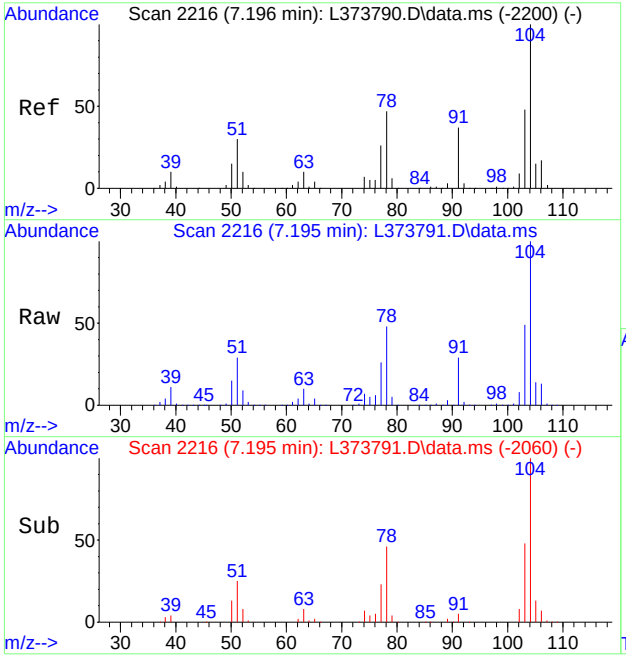


#90
butyl acrylate
Concen: 88.48 ug/L
RT: 7.122 min Scan# 2193
Delta R.T. -0.000 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 55 Resp: 649301

Ion	Ratio	Lower	Upper
55	100		
56	45.3	26.3	66.3
73	37.4	17.5	57.5
85	5.5	0.0	25.6

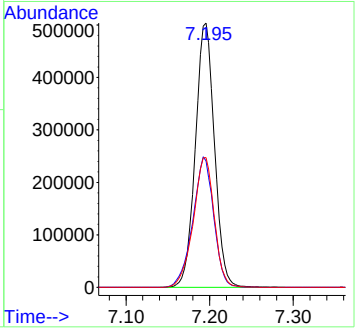


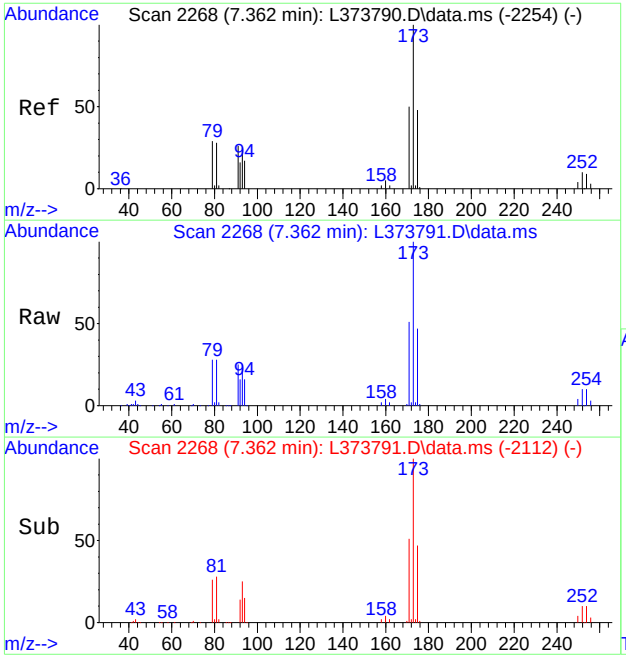


#91
styrene
Concen: 96.98 ug/L
RT: 7.195 min Scan# 2216
Delta R.T. -0.000 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion:104 Resp: 799922

Ion	Ratio	Lower	Upper
104	100		
78	47.8	16.8	76.8
103	49.1	17.7	77.7

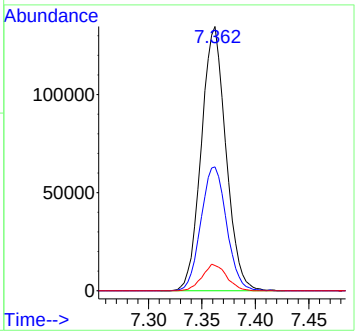


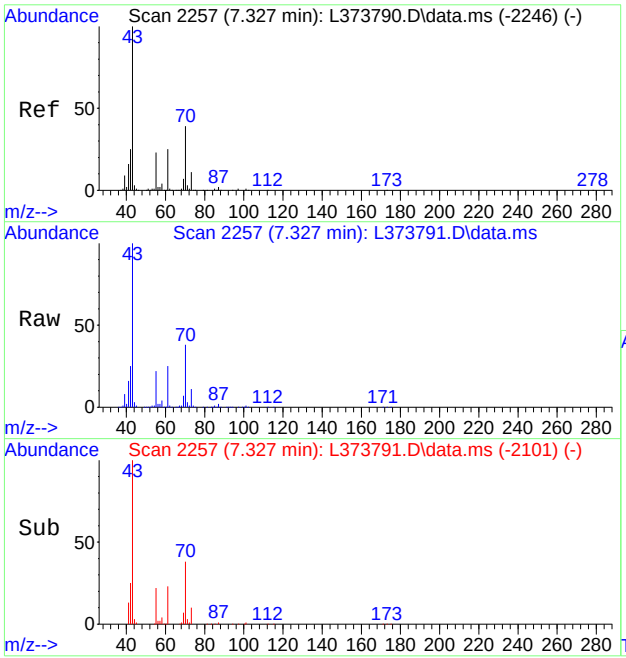


#92
bromoform
Concen: 101.28 ug/L
RT: 7.362 min Scan# 2268
Delta R.T. -0.000 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion:173 Resp: 216404

Ion	Ratio	Lower	Upper
173	100		
175	46.9	17.8	77.8
254	9.6	0.0	39.4

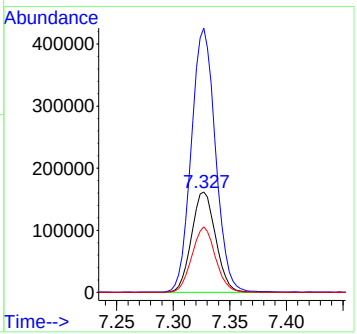


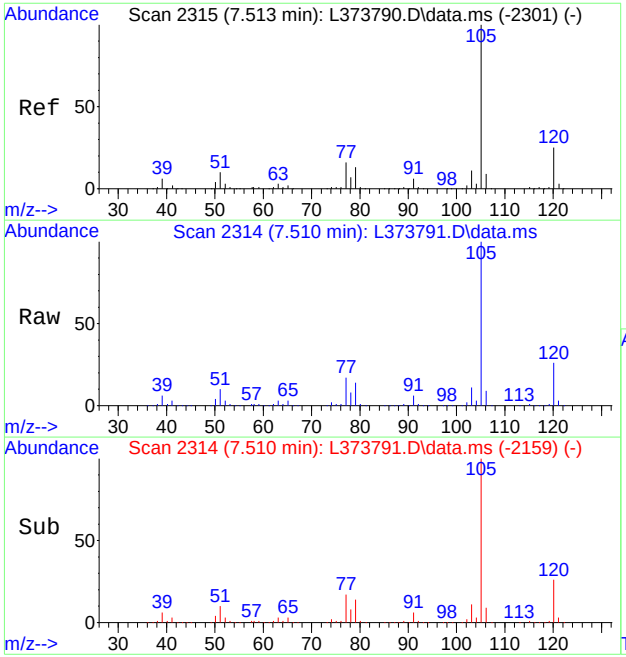


#93
n-amyl acetate
Concen: 87.21 ug/L
RT: 7.327 min Scan# 2257
Delta R.T. -0.000 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 70 Resp: 240370

Ion	Ratio	Lower	Upper
70	100		
43	262.9	233.4	273.4
61	65.4	42.6	82.6

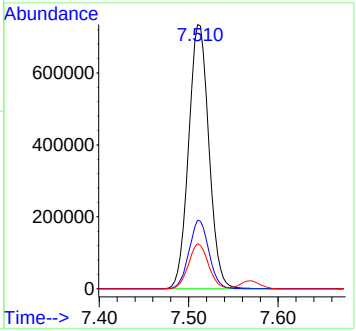


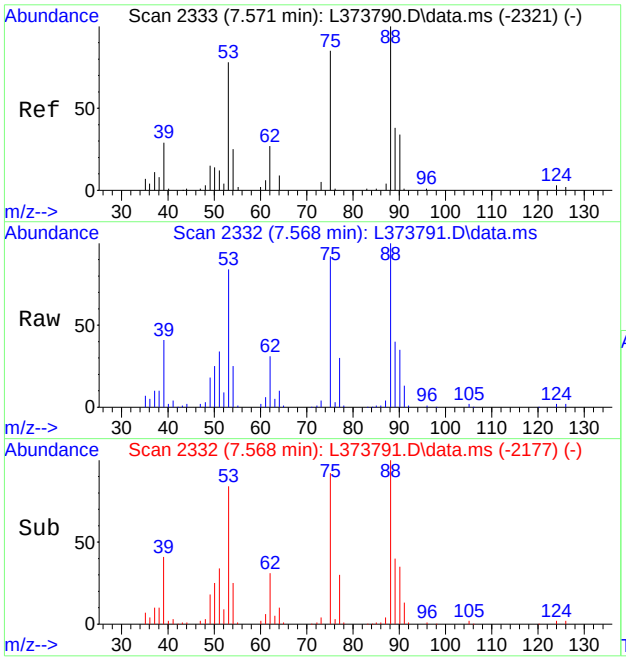


#94
isopropylbenzene
Concen: 97.49 ug/L
RT: 7.510 min Scan# 2314
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion:105 Resp: 1155034

Ion	Ratio	Lower	Upper
105	100		
120	25.9	5.2	45.2
77	17.1	0.0	36.2

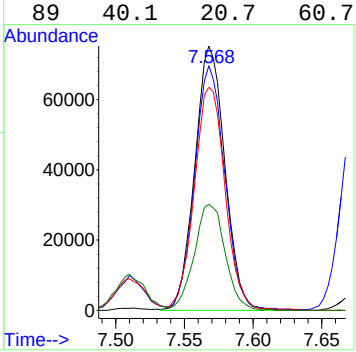


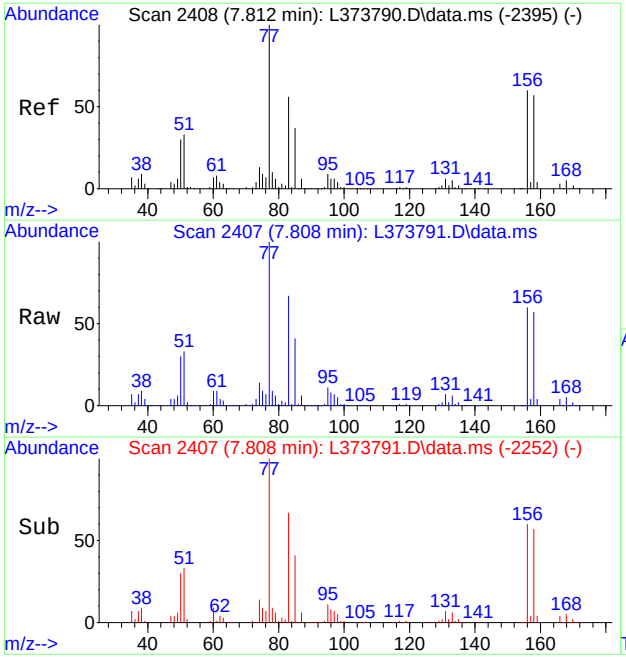


#95
cis-1,4-dichloro-2-butene
Concen: 125.68 ug/L
RT: 7.568 min Scan# 2332
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 88 Resp: 114755

Ion	Ratio	Lower	Upper
88	100		
75	92.0	66.5	106.5
53	83.8	59.7	99.7
89	40.1	20.7	60.7

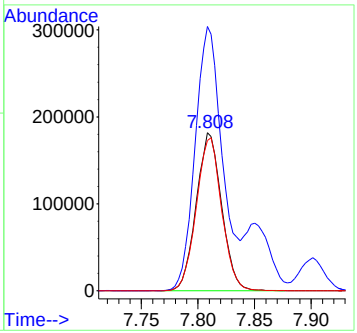


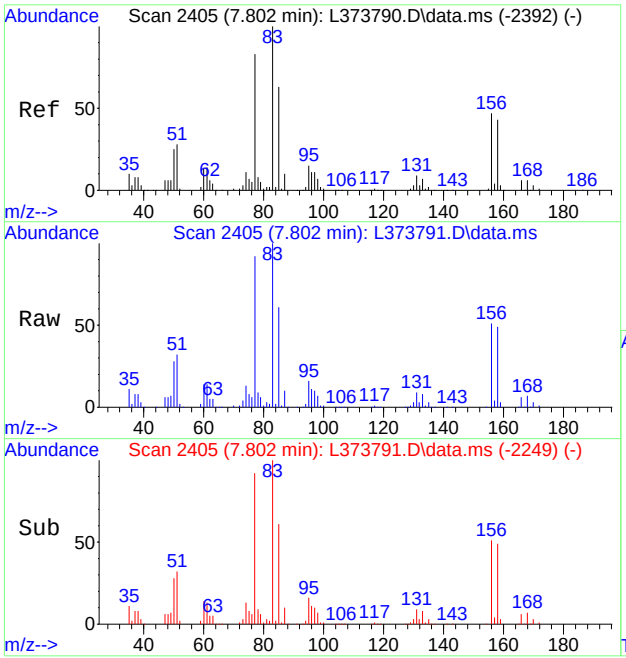


#98
bromobenzene
Concen: 95.33 ug/L
RT: 7.808 min Scan# 2407
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion:156 Resp: 282773

Ion	Ratio	Lower	Upper
156	100		
77	167.2	137.0	197.0
158	95.1	65.5	125.5

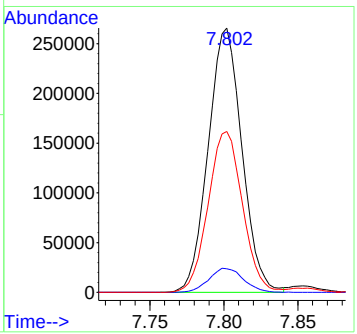


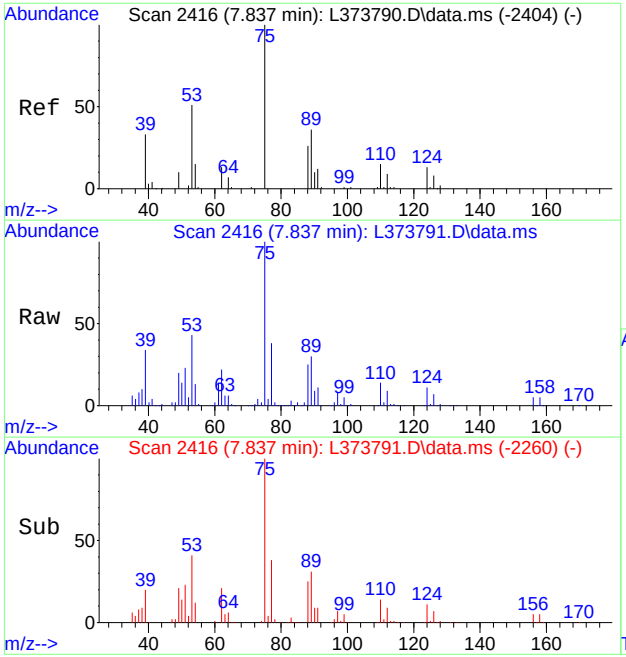


#99
1,1,2,2-tetrachloroethane
Concen: 93.13 ug/L
RT: 7.802 min Scan# 2405
Delta R.T. -0.000 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 83 Resp: 420792

Ion	Ratio	Lower	Upper
83	100		
131	8.9	0.0	38.9
85	60.8	33.3	93.3

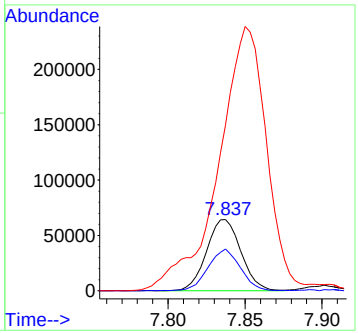


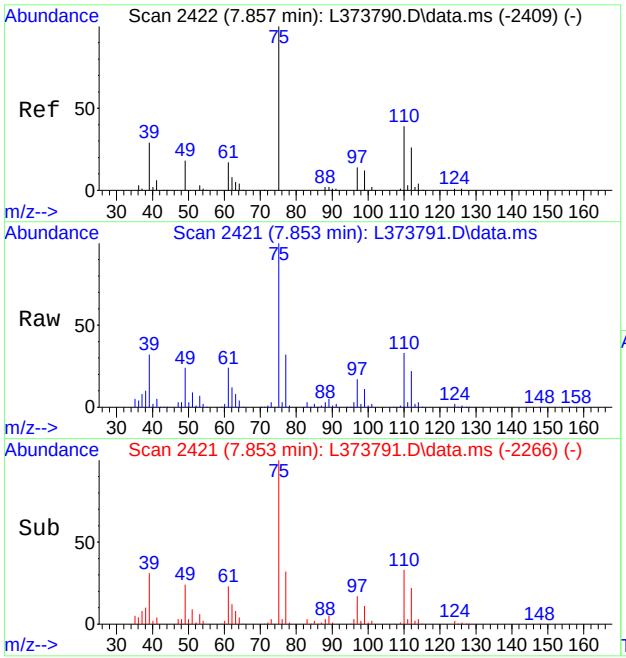


#100
trans-1,4-dichloro-2-butene
Concen: 122.81 ug/L
RT: 7.837 min Scan# 2416
Delta R.T. -0.000 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 53 Resp: 100439

Ion	Ratio	Lower	Upper
53	100		
88	58.2	21.0	81.0
75	215.0	165.8	225.8

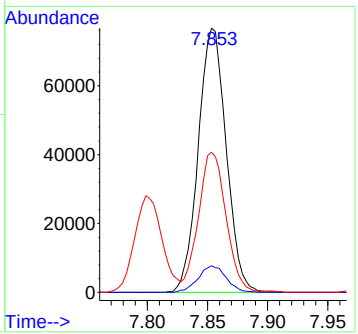


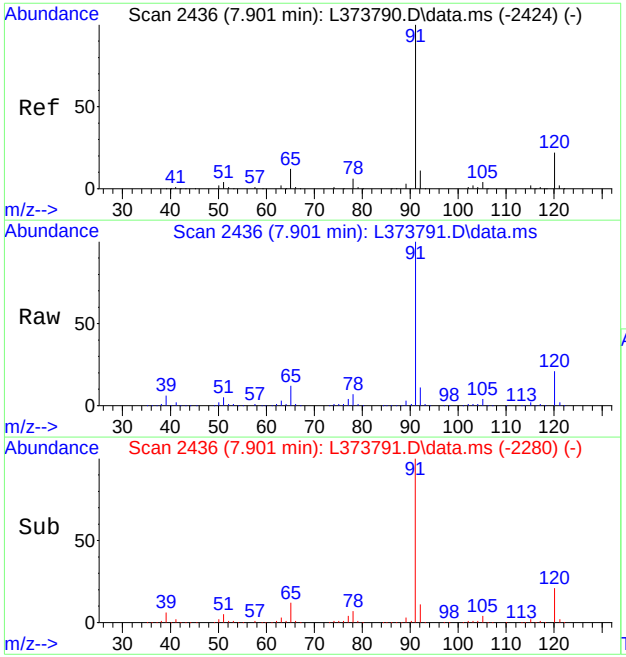


#101
1,2,3-trichloropropane
Concen: 91.67 ug/L
RT: 7.853 min Scan# 2421
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion:110 Resp: 124028

Ion	Ratio	Lower	Upper
110	100		
111	10.1	0.0	38.4
97	53.0	22.5	82.5

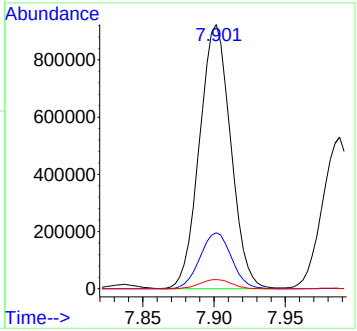


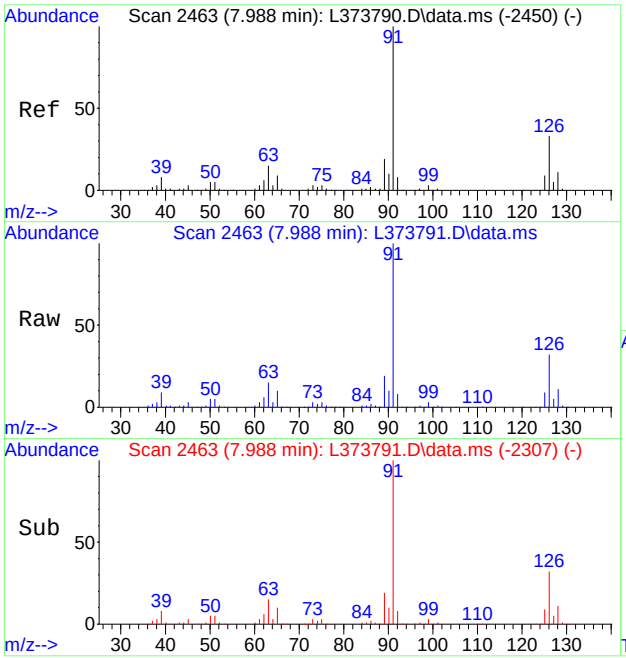


#102
n-propylbenzene
Concen: 99.07 ug/L
RT: 7.901 min Scan# 2436
Delta R.T. -0.000 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 91 Resp: 1407679

Ion	Ratio	Lower	Upper
91	100		
120	21.2	0.0	51.5
105	3.5	0.0	33.7

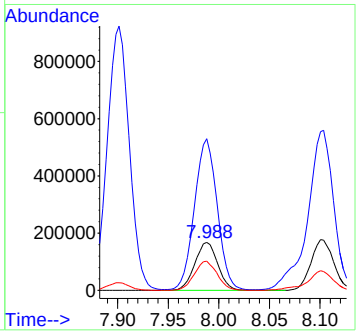


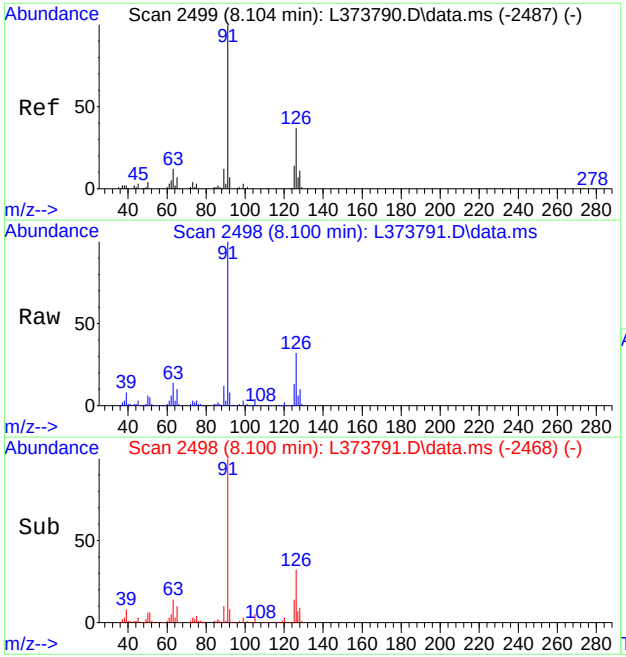


#103
2-chlorotoluene
Concen: 95.55 ug/L
RT: 7.988 min Scan# 2463
Delta R.T. -0.000 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion:126 Resp: 265434

Ion	Ratio	Lower	Upper
126	100		
91	314.1	276.4	336.4
89	60.7	28.8	88.8

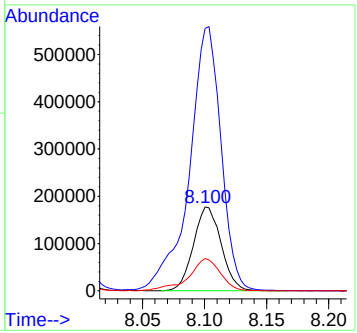


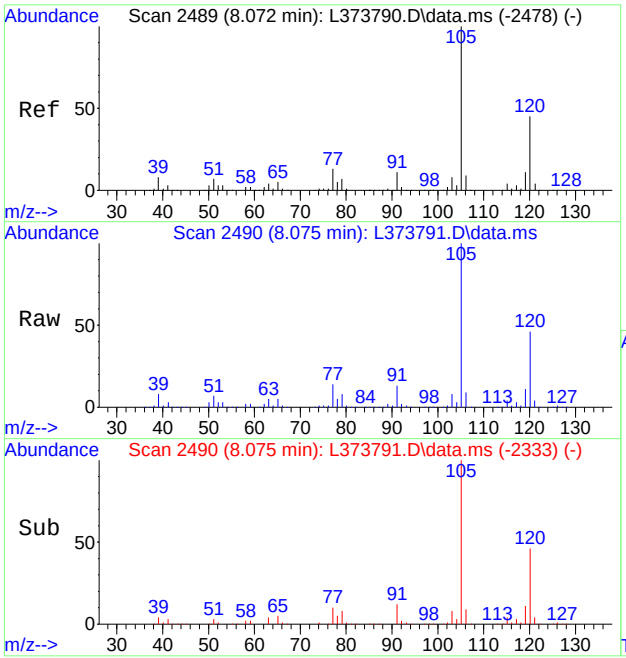


#104
4-chlorotoluene
Concen: 93.39 ug/L
RT: 8.100 min Scan# 2498
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion:126 Resp: 276534

Ion	Ratio	Lower	Upper
126	100		
91	312.0	265.5	325.5
89	38.5	5.5	65.5

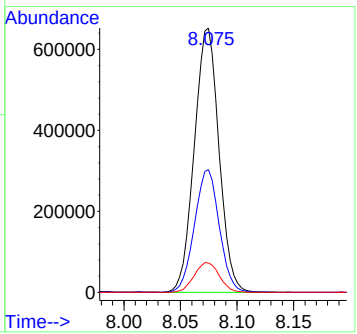


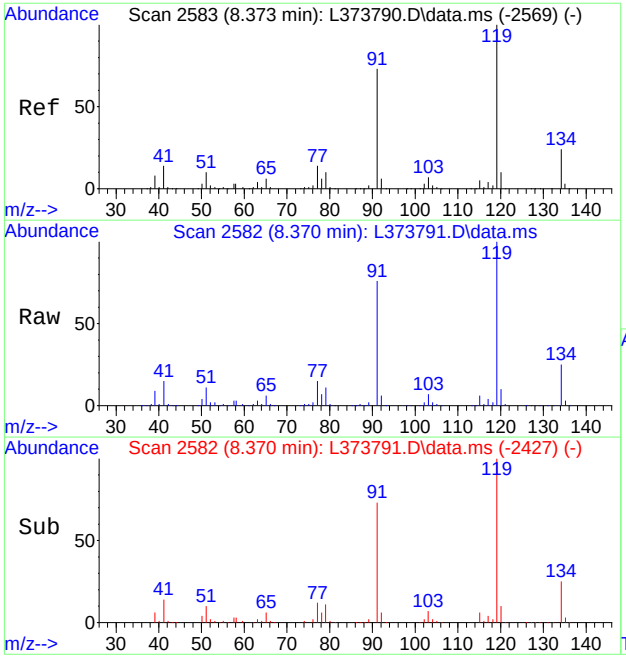


#105
1,3,5-trimethylbenzene
Concen: 99.97 ug/L
RT: 8.075 min Scan# 2490
Delta R.T. 0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion:105 Resp: 988628

Ion	Ratio	Lower	Upper
105	100		
120	46.4	14.9	74.9
119	11.2	0.0	40.8

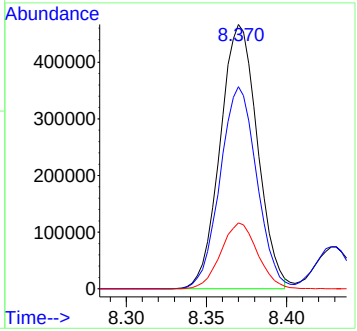


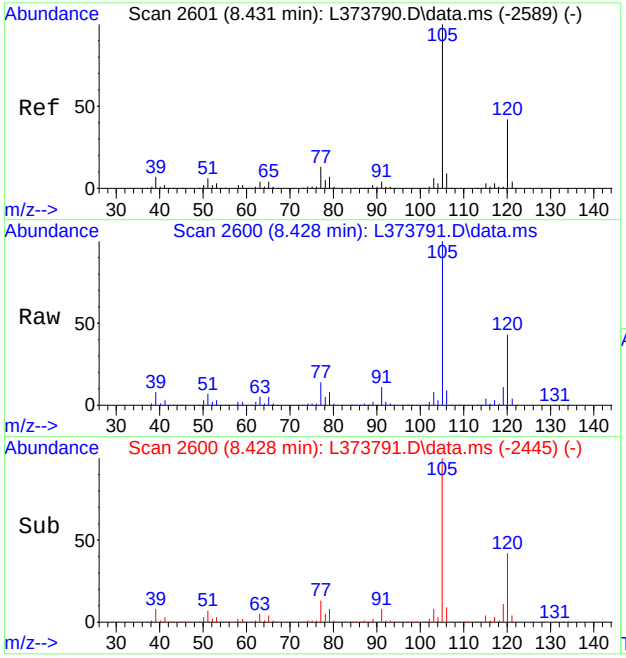


#106
tert-butylbenzene
Concen: 95.95 ug/L
RT: 8.370 min Scan# 2582
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion:119 Resp: 753814

Ion	Ratio	Lower	Upper
119	100		
91	76.4	42.9	102.9
134	25.0	0.0	54.4

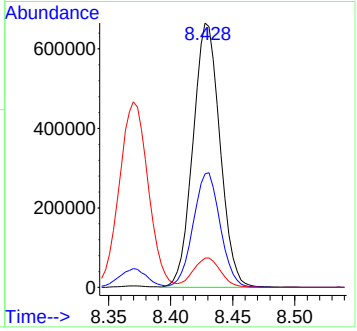


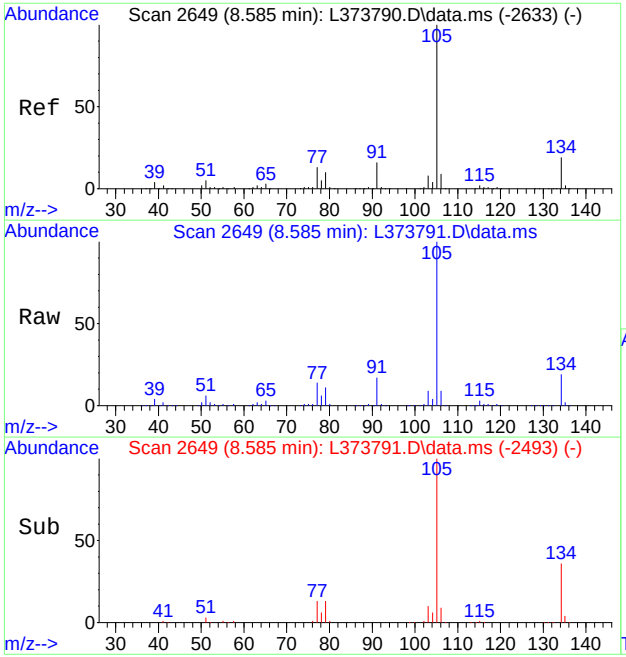


#107
1,2,4-trimethylbenzene
Concen: 100.95 ug/L
RT: 8.428 min Scan# 2600
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion:105 Resp: 1005923

Ion	Ratio	Lower	Upper
105	100		
120	42.9	13.1	73.1
119	11.0	0.0	41.9

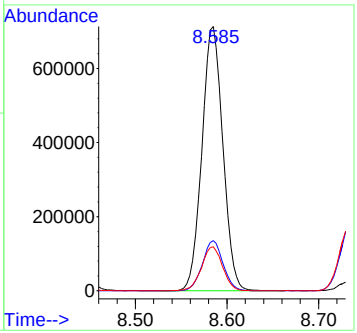


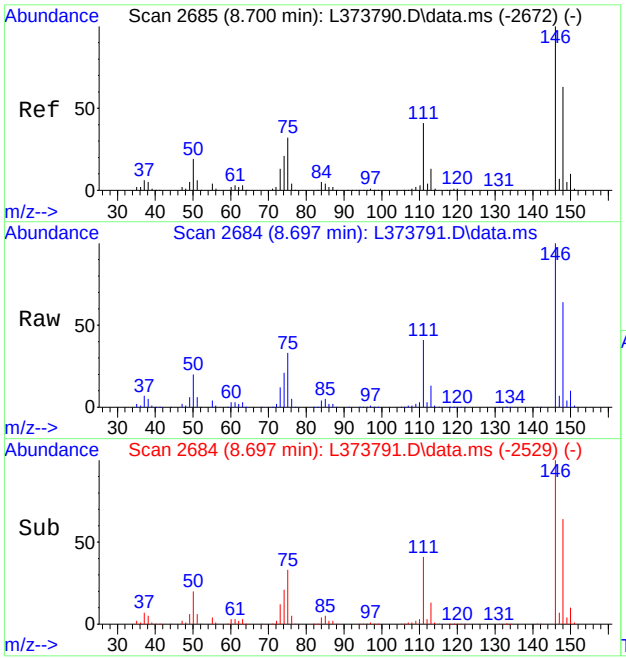


#108
sec-butylbenzene
Concen: 100.31 ug/L
RT: 8.585 min Scan# 2649
Delta R.T. -0.000 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion:105 Resp: 1133201

Ion	Ratio	Lower	Upper
105	100		
134	19.0	0.0	48.8
91	16.6	0.0	45.9

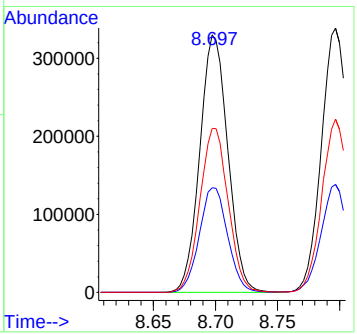


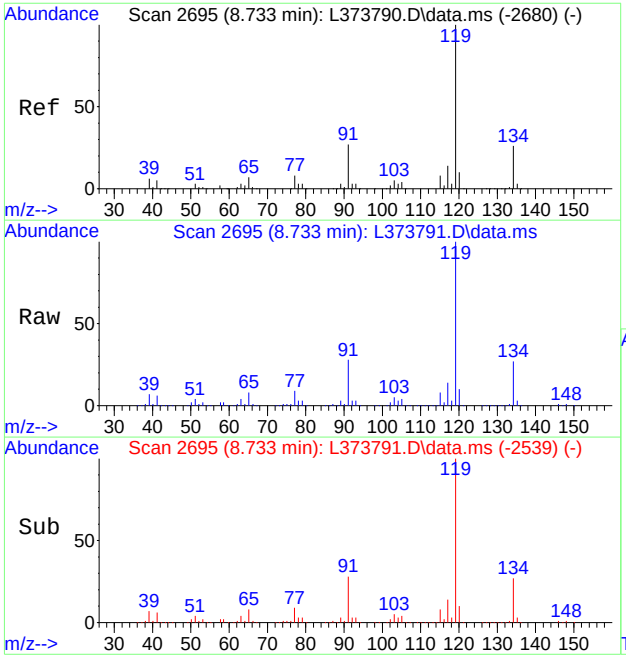


#109
1,3-dichlorobenzene
Concen: 94.29 ug/L
RT: 8.697 min Scan# 2684
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion:146 Resp: 518969

Ion	Ratio	Lower	Upper
146	100		
111	40.6	11.0	71.0
148	63.6	33.0	93.0

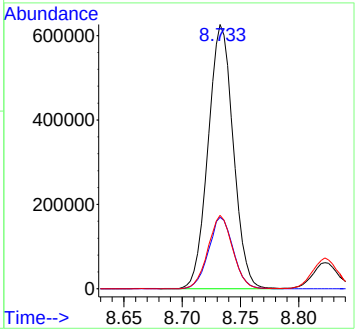


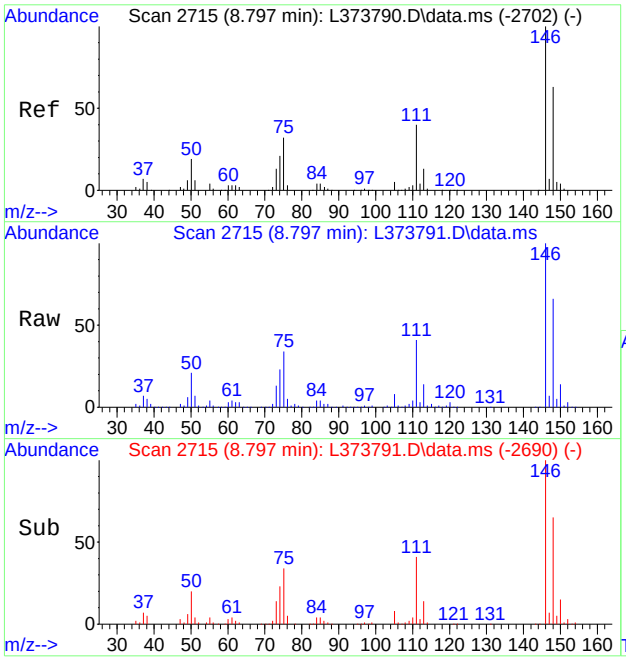


#110
p-isopropyltoluene
Concen: 100.52 ug/L
RT: 8.733 min Scan# 2695
Delta R.T. -0.000 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion:119 Resp: 938813

Ion	Ratio	Lower	Upper
119	100		
134	27.0	0.0	56.5
91	27.7	0.0	56.9

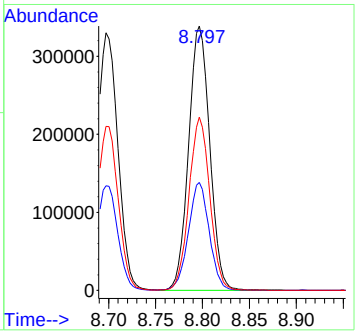


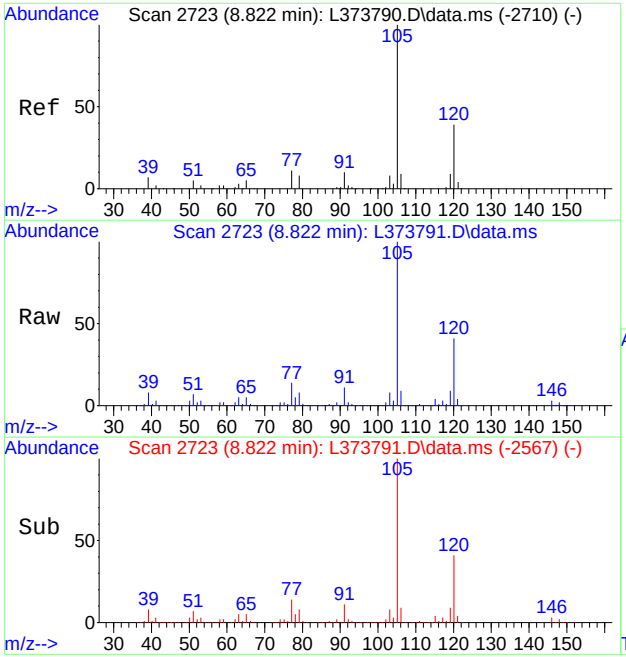


#111
1,4-dichlorobenzene
Concen: 93.20 ug/L
RT: 8.797 min Scan# 2715
Delta R.T. -0.000 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion:146 Resp: 531534

Ion	Ratio	Lower	Upper
146	100		
111	40.8	9.7	69.7
148	65.5	33.0	93.0

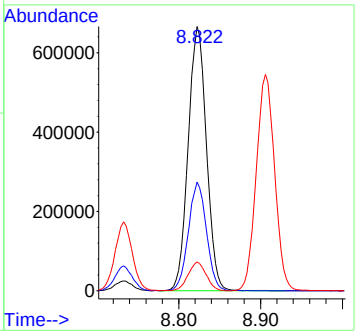


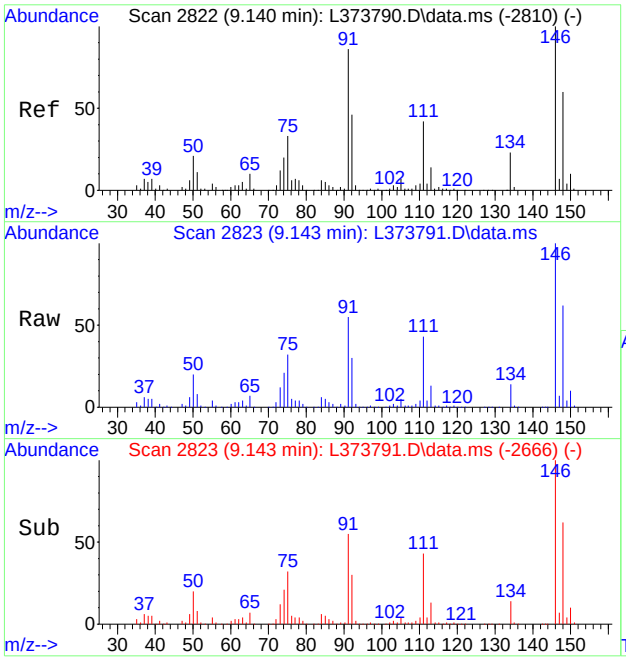


#112
1,2,3-trimethylbenzene
Concen: 97.33 ug/L
RT: 8.822 min Scan# 2723
Delta R.T. -0.000 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion:105 Resp: 1034886

Ion	Ratio	Lower	Upper
105	100		
120	41.1	8.8	68.8
91	10.8	0.0	40.2

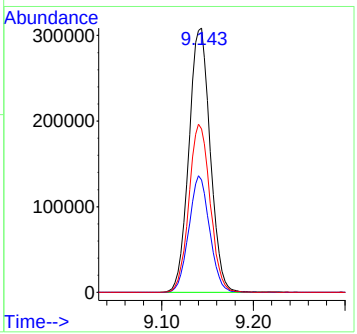


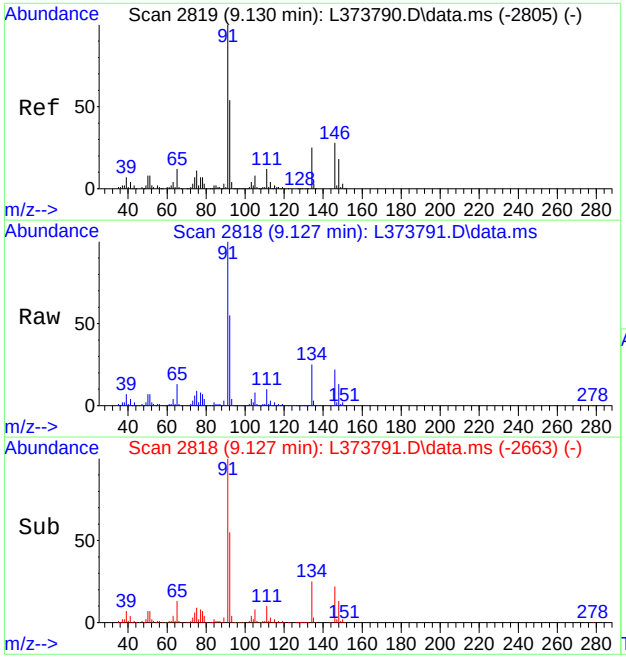


#113
1,2-dichlorobenzene
Concen: 94.39 ug/L
RT: 9.143 min Scan# 2823
Delta R.T. 0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion:146 Resp: 499131

Ion	Ratio	Lower	Upper
146	100		
111	42.5	12.1	72.1
148	61.8	30.4	90.4

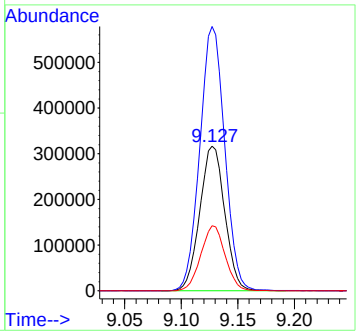


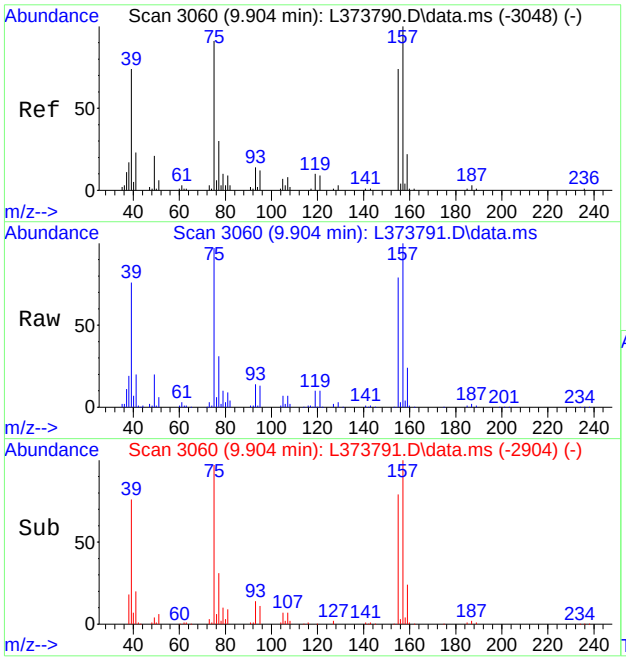


#114
n-butylbenzene
Concen: 104.90 ug/L
RT: 9.127 min Scan# 2818
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 92 Resp: 483729

Ion	Ratio	Lower	Upper
92	100		
91	182.6	155.4	215.4
134	45.0	15.6	75.6

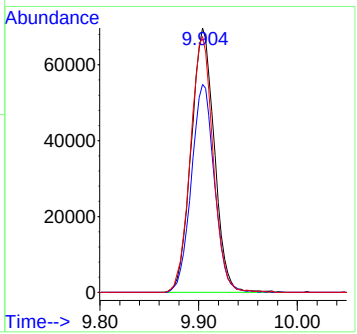


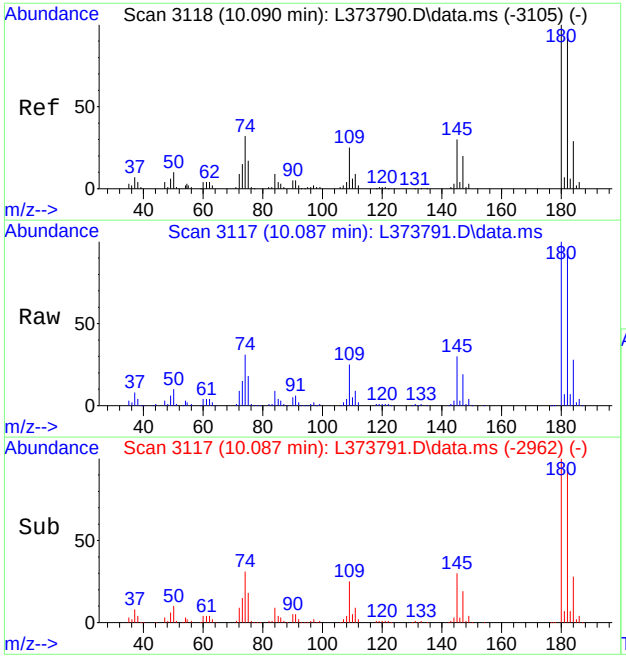


#115
1,2-dibromo-3-chloropropane
Concen: 94.01 ug/L
RT: 9.904 min Scan# 3060
Delta R.T. -0.000 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion:157 Resp: 113713

Ion	Ratio	Lower	Upper
157	100		
155	78.7	44.1	104.1
75	96.8	60.9	120.9

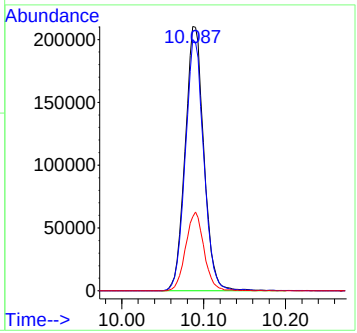


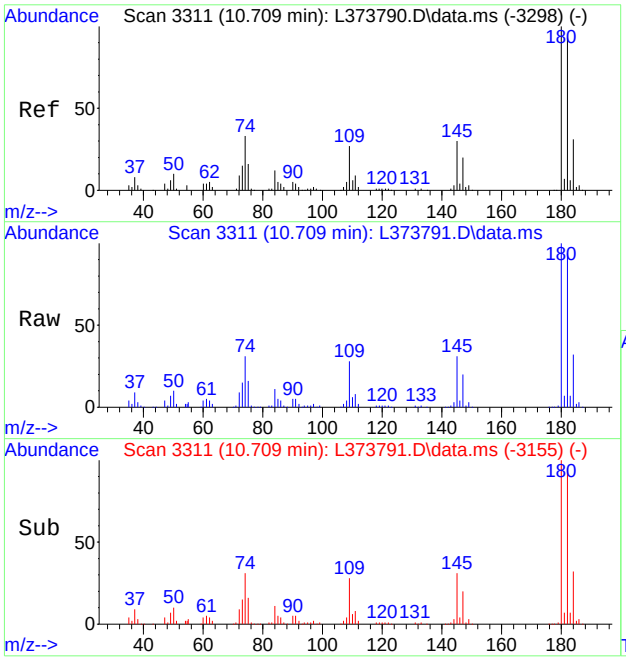


#116
1,3,5-trichlorobenzene
Concen: 100.32 ug/L
RT: 10.087 min Scan# 3117
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion:180 Resp: 334298

Ion	Ratio	Lower	Upper
180	100		
182	95.0	65.0	125.0
184	28.0	0.0	59.4

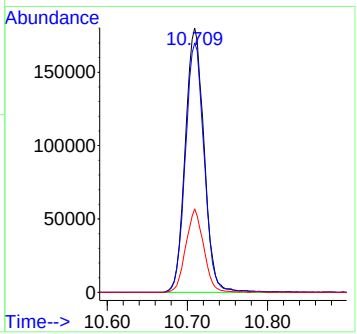


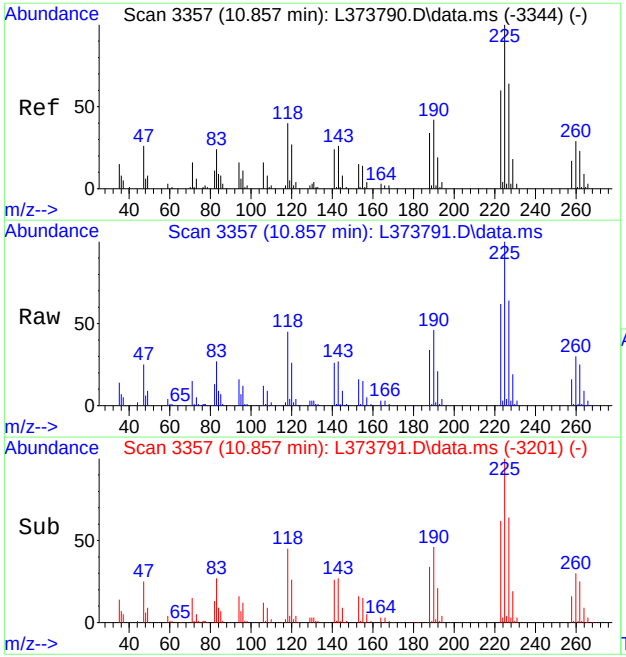


#117
1,2,4-trichlorobenzene
Concen: 100.36 ug/L
RT: 10.709 min Scan# 3311
Delta R.T. -0.000 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion:180 Resp: 293851

Ion	Ratio	Lower	Upper
180	100		
182	94.4	63.1	123.1
184	31.6	0.8	60.8

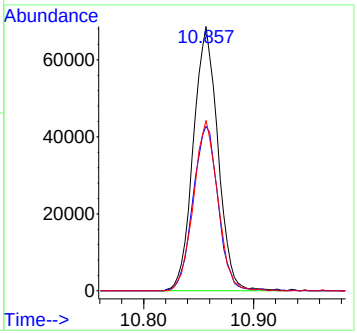


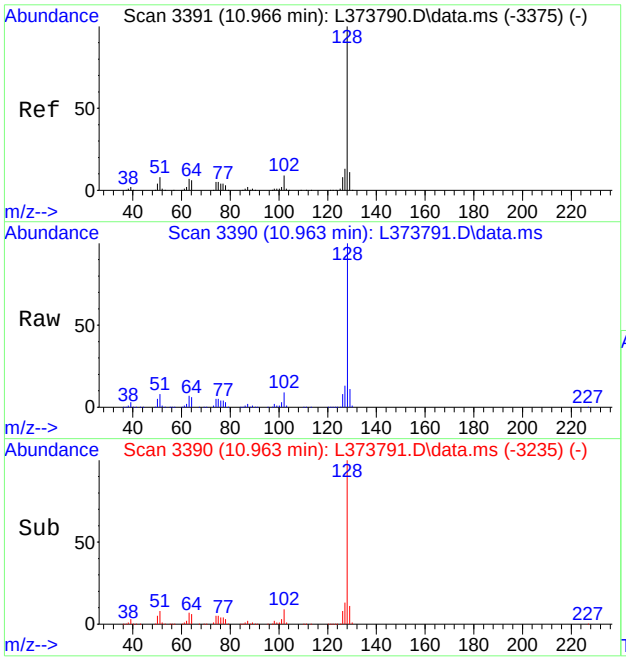


#118
hexachlorobutadiene
Concen: 96.48 ug/L
RT: 10.857 min Scan# 3357
Delta R.T. -0.000 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion:225 Resp: 106607

Ion	Ratio	Lower	Upper
225	100		
223	62.3	30.0	90.0
227	64.5	33.8	93.8

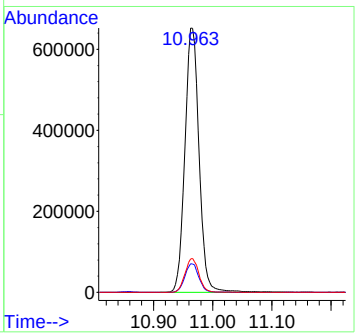


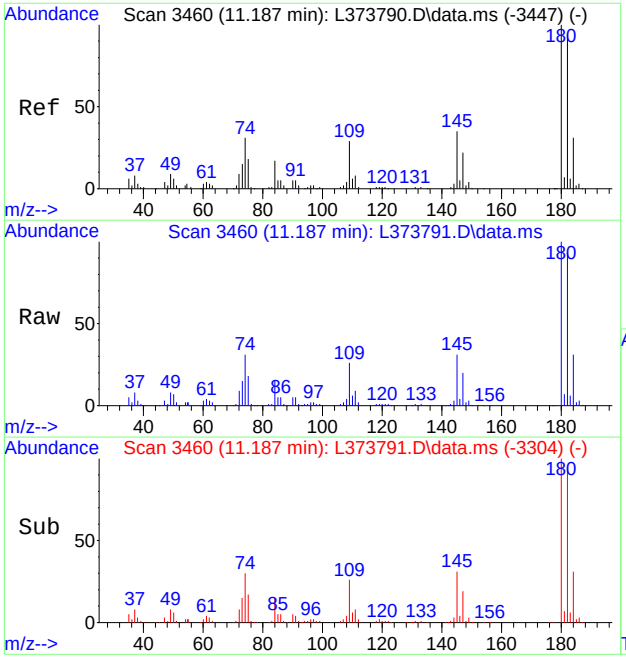


#119
naphthalene
Concen: 99.53 ug/L
RT: 10.963 min Scan# 3390
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion:128 Resp: 1087579

Ion	Ratio	Lower	Upper
128	100		
129	10.9	0.0	41.1
127	12.6	0.0	42.9

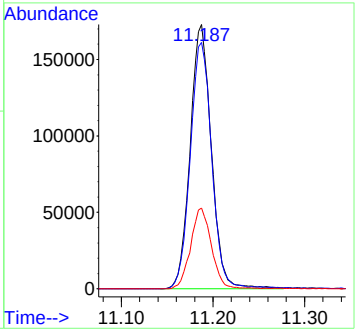


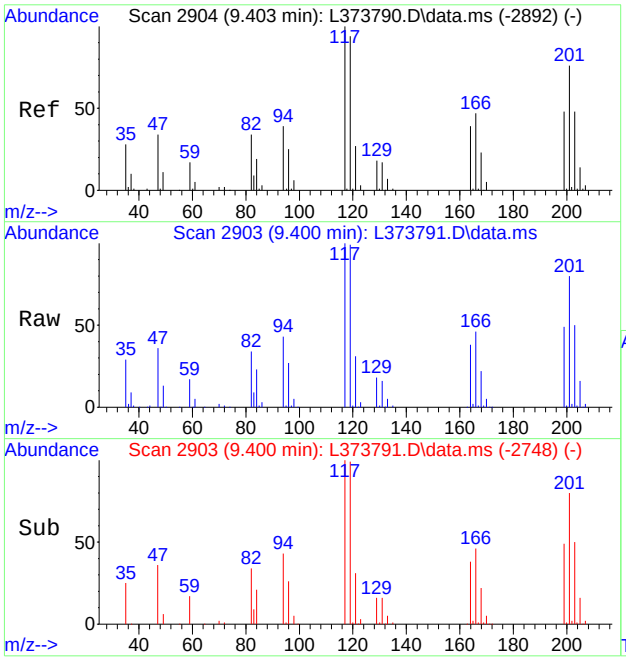


#120
1,2,3-trichlorobenzene
Concen: 98.70 ug/L
RT: 11.187 min Scan# 3460
Delta R.T. -0.000 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion:180 Resp: 277551

Ion	Ratio	Lower	Upper
180	100		
182	93.1	63.9	123.9
184	30.5	1.2	61.2

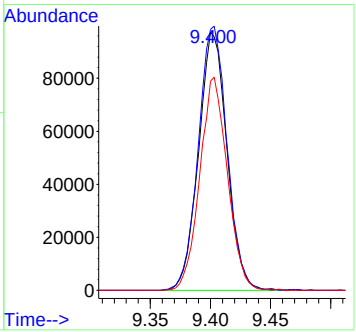


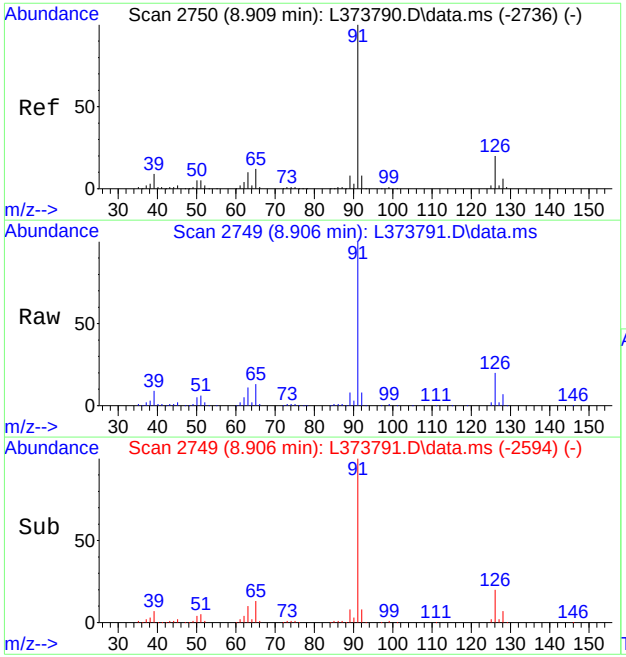


#121
hexachloroethane
Concen: 116.60 ug/L
RT: 9.400 min Scan# 2903
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion:119 Resp: 159414

Ion	Ratio	Lower	Upper
119	100		
117	101.1	76.2	136.2
201	81.0	51.2	111.2

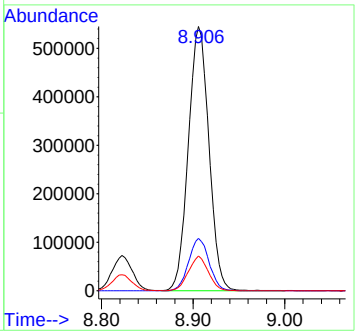


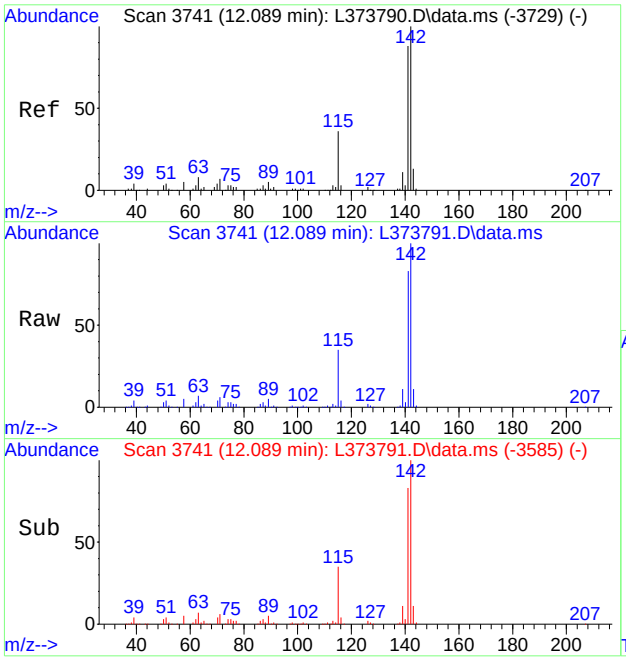


#122
benzyl chloride
Concen: 97.28 ug/L
RT: 8.906 min Scan# 2749
Delta R.T. -0.003 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion: 91 Resp: 849641

Ion	Ratio	Lower	Upper
91	100		
126	19.9	0.0	49.8
65	13.1	0.0	41.8

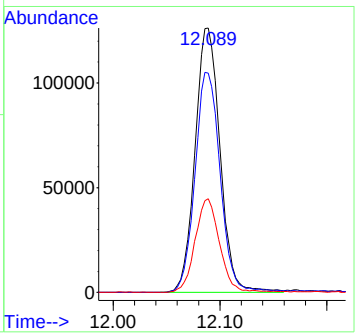




#123
2-methylnaphthalene
Concen: 48.09 ug/L
RT: 12.089 min Scan# 3741
Delta R.T. -0.000 min
Lab File: L373791.D
Acq: 16 Oct 2025 9:22 pm

Tgt Ion:142 Resp: 205052

Ion	Ratio	Lower	Upper
142	100		
141	82.9	68.0	108.0
115	35.4	15.9	55.9



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373792.D
Acq On : 16 Oct 2025 9:47 pm
Operator : BridgetK
Sample : ic11472-200
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 17 13:40:16 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 13:39:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	2.613	65	336547	500.00	ug/L	0.00
5) pentafluorobenzene	3.746	168	260987	50.00	ug/L	0.00
51) 1,4-difluorobenzene	4.285	114	455934	50.00	ug/L	0.00
72) chlorobenzene-d5	6.608	117	354544	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	8.774	152	166852	50.00	ug/L	0.00
124) pentafluorobenzene(a)	3.746	168	260987	50.00	ug/L	0.00
131) 1,4-dichlorobenzene-d4(a)	8.774	152	166852	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	3.746	113	134932	49.53	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.06%			
52) 1,2-dichloroethane-d4 (s)	3.983	65	165329	49.85	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 99.70%			
73) toluene-d8 (s)	5.389	98	524581	51.02	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 102.04%			
97) 4-bromofluorobenzene (s)	7.677	95	182890	51.08	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 102.16%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.708	88	417521	4497.0444	ug/L	90
4) tertiary butyl alcohol	2.664	59	939904	903.2040	ug/L	97
6) chlorodifluoromethane	1.365	51	688117	179.8461	ug/L	98
7) dichlorodifluoromethane	1.349	85	788921	204.0870	ug/L	100
8) chloromethane	1.484	50	700693	188.8620	ug/L	99
9) vinyl chloride	1.554	62	718167	195.6048	ug/L	99
10) 1,3-butadiene	1.580	54	541338	159.3706	ug/L	98
12) chloroethane	1.824	64	239013	155.1859	ug/L	98
13) trichlorofluoromethane	1.987	101	989564	211.9633	ug/L	100
14) ethyl ether	2.157	74	303464	195.1636	ug/L	89
15) acrolein	2.250	56	141084	211.7563	ug/L	99
16) freon 113	2.311	151	400948	203.8153	ug/L	97
17) 1,1-dichloroethene	2.315	96	493481	200.7232	ug/L	96
18) acetone	2.334	58	386357	798.5859	ug/L	95
19) acetonitrile	2.510	40	743894	1962.2380	ug/L	100
20) iodomethane	2.417	142	506186	198.9085	ug/L	99
21) iso-butyl alcohol	3.906	43	654364	1989.3070	ug/L	95
22) carbon disulfide	2.469	76	1469702	190.0562	ug/L	99
23) methylene chloride	2.619	84	569532	187.7038	ug/L	93
24) methyl acetate	2.520	74	156755	205.1015	ug/L	99
25) methyl tert butyl ether	2.777	73	1740568	214.0103	ug/L	98
26) trans-1,2-dichloroethene	2.786	96	562835	201.3414	ug/L	96
27) hexane	2.953	57	761498	220.5220	ug/L	99
28) di-isopropyl ether	3.066	45	1824371	214.2947	ug/L	94
29) ethyl tert-butyl ether	3.297	59	1897318	216.9735	ug/L	99
30) 2-butanone	3.409	72	536199	881.0545	ug/L	94
31) 1,1-dichloroethane	3.062	63	1065210	201.7259	ug/L	99
32) chloroprene	3.110	53	990275	217.9766	ug/L	98
33) acrylonitrile	2.761	53	304593	208.9990	ug/L	98
34) vinyl acetate	3.046	86	142488	206.2161	ug/L #	82
35) ethyl acetate	3.422	45	158146	210.0503	ug/L	96
36) 2,2-dichloropropane	3.435	77	950713	199.8327	ug/L	99
37) cis-1,2-dichloroethene	3.428	96	603189	196.3835	ug/L	94
38) propionitrile	3.457	54	1637302	1974.7244	ug/L	76
39) methyl acrylate	3.460	85	142801	220.3030	ug/L #	85
40) bromochloromethane	3.585	128	250894	185.4895	ug/L	97
41) tetrahydrofuran	3.595	72	155050	204.4462	ug/L	92
42) chloroform	3.643	83	1084833	185.1295	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373792.D
Acq On : 16 Oct 2025 9:47 pm
Operator : BridgetK
Sample : ic11472-200
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 17 13:40:16 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 13:39:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
44) methacrylonitrile	3.553	67	370730	209.6577 ug/L	100
45) 1,1,1-trichloroethane	3.768	97	950680	204.8885 ug/L	96
46) cyclohexane	3.820	84	817470	212.0194 ug/L	97
47) 1,1-dichloropropene	3.871	75	821343	218.2755 ug/L	99
48) carbon tetrachloride	3.874	117	804365	212.6692 ug/L	100
49) isopropyl acetate	4.003	87	178150	212.2359 ug/L #	92
50) tert amyl alcohol	3.986	55	293626	893.5480 ug/L	95
53) tert-amyl methyl ether	4.076	73	1824195	205.5578 ug/L	98
54) 2,2,4-trimethylpentane	4.076	57	1381705	209.2013 ug/L	99
55) n-butyl alcohol	4.368	56	2391785	9170.2681 ug/L	98
56) benzene	4.009	78	2281932	192.3475 ug/L	99
57) heptane	4.189	57	294128	210.0692 ug/L	94
58) 1,2-dichloroethane	4.038	62	881368	195.1671 ug/L	98
59) trichloroethene	4.465	95	623736	208.8254 ug/L	98
60) ethyl acrylate	4.497	55	1059883	198.2723 ug/L	99
61) 2-nitropropane	5.004	41	326659	205.9448 ug/L	95
62) 2-chloroethyl vinyl ether	5.039	63	1121167	1091.5877 ug/L	97
63) methyl methacrylate	4.670	100	205407	207.4535 ug/L	92
64) 1,2-dichloropropane	4.654	63	603429	199.2652 ug/L	100
65) methylcyclohexane	4.641	83	878953	214.6656 ug/L	95
66) dibromomethane	4.721	93	401334	192.3611 ug/L	97
67) bromodichloromethane	4.843	83	854016	197.6133 ug/L	98
68) cis-1,3-dichloropropene	5.174	75	982325	202.7748 ug/L	95
69) epichlorohydrin	5.087	57	586835	950.2670 ug/L	90
70) 4-methyl-2-pentanone	5.276	58	1440541	756.6521 ug/L	98
71) 3-methyl-1-butanol	5.318	70	868238	3562.7657 ug/L	97
74) toluene	5.443	92	1408996	193.6110 ug/L	97
75) trans-1,3-dichloropropene	5.620	75	946122	208.5146 ug/L	98
76) ethyl methacrylate	5.652	69	850531	185.5189 ug/L	100
77) 1,1,2-trichloroethane	5.783	83	474587	196.6934 ug/L	94
78) 2-hexanone	5.954	58	1503719	727.1046 ug/L	99
79) tetrachloroethene	5.867	166	579662	198.3013 ug/L	98
80) 1,3-dichloropropane	5.921	76	933966	200.8510 ug/L	99
81) butyl acetate	6.043	56	504149	184.9991 ug/L	100
82) dibromochloromethane	6.108	129	614451	197.4444 ug/L	97
83) 1,2-dibromoethane	6.213	107	589203	200.9916 ug/L	99
84) n-butyl ether	6.708	57	2319921	189.3751 ug/L	99
85) chlorobenzene	6.634	112	1457147	190.6989 ug/L	99
86) 1,1,1,2-tetrachloroethane	6.708	131	545052	210.7903 ug/L	99
87) ethylbenzene	6.714	91	2580263	193.5486 ug/L	99
88) m,p-xylene	6.830	106	1952160	380.2279 ug/L	99
89) o-xylene	7.179	106	951952	189.6231 ug/L	96
90) butyl acrylate	7.122	55	1325718	180.5346 ug/L	99
91) styrene	7.195	104	1641668	195.0272 ug/L	96
92) bromoform	7.362	173	462086	208.9320 ug/L	98
93) n-amyl acetate	7.330	70	487433	177.3686 ug/L	97
94) isopropylbenzene	7.513	105	2391159	197.3397 ug/L	99
95) cis-1,4-dichloro-2-butene	7.571	88	269991	261.7416 ug/L	97
98) bromobenzene	7.808	156	579167	195.5937 ug/L	99
99) 1,1,2,2-tetrachloroethane	7.802	83	858222	191.3210 ug/L	98
100) trans-1,4-dichloro-2-b...	7.837	53	233197	259.3433 ug/L	94
101) 1,2,3-trichloropropane	7.853	110	260284	194.1706 ug/L	97
102) n-propylbenzene	7.901	91	2896701	202.4121 ug/L	100
103) 2-chlorotoluene	7.988	126	548436	197.4827 ug/L	97
104) 4-chlorotoluene	8.104	126	571151	193.9016 ug/L	93
105) 1,3,5-trimethylbenzene	8.075	105	2000229	200.7987 ug/L	97
106) tert-butylbenzene	8.370	119	1547133	196.8939 ug/L	96
107) 1,2,4-trimethylbenzene	8.431	105	2041030	202.8374 ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373792.D
Acq On : 16 Oct 2025 9:47 pm
Operator : BridgetK
Sample : ic11472-200
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 17 13:40:16 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 13:39:16 2025
Response via : Initial Calibration

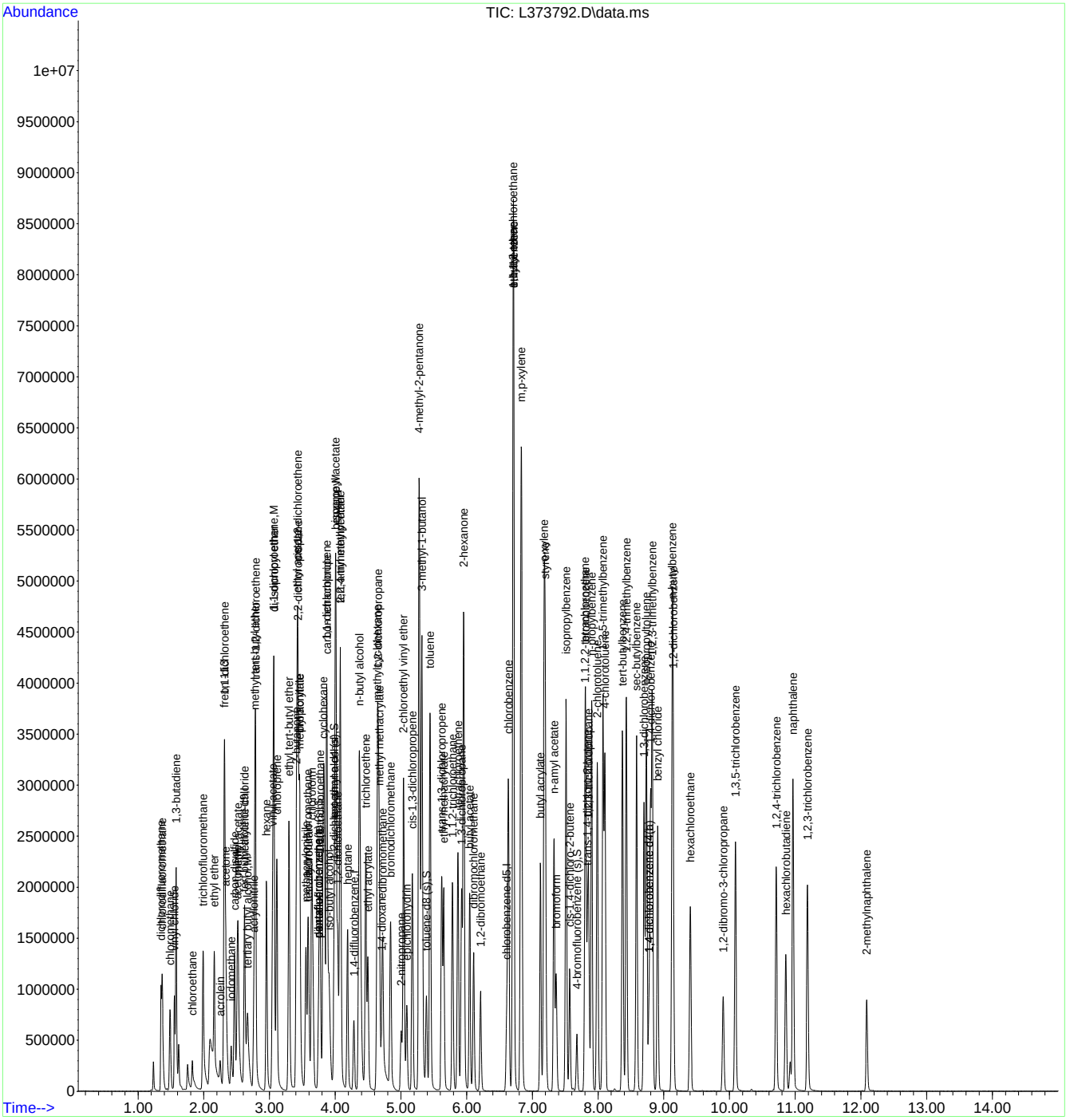
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) sec-butylbenzene	8.585	105	2327396	204.0303	ug/L	99
109) 1,3-dichlorobenzene	8.700	146	1053931	192.4625	ug/L	99
110) p-isopropyltoluene	8.732	119	1919614	203.5526	ug/L	99
111) 1,4-dichlorobenzene	8.800	146	1073335	189.7342	ug/L	99
112) 1,2,3-trimethylbenzene	8.826	105	2063417	194.1091	ug/L	96
113) 1,2-dichlorobenzene	9.143	146	1010128	192.0253	ug/L	97
114) n-butylbenzene	9.127	92	982510	209.1242	ug/L	98
115) 1,2-dibromo-3-chloropr...	9.904	157	240836	199.3237	ug/L	96
116) 1,3,5-trichlorobenzene	10.090	180	723235	213.6323	ug/L	99
117) 1,2,4-trichlorobenzene	10.712	180	651975	218.5100	ug/L	100
118) hexachlorobutadiene	10.860	225	246050	219.4434	ug/L	98
119) naphthalene	10.966	128	2318752	209.6217	ug/L	100
120) 1,2,3-trichlorobenzene	11.187	180	595178	209.3266	ug/L	99
121) hexachloroethane	9.403	119	340927	237.0262	ug/L	98
122) benzyl chloride	8.906	91	1730767	197.7586	ug/L	98
123) 2-methylnaphthalene	12.089	142	422587	99.0226	ug/L	97

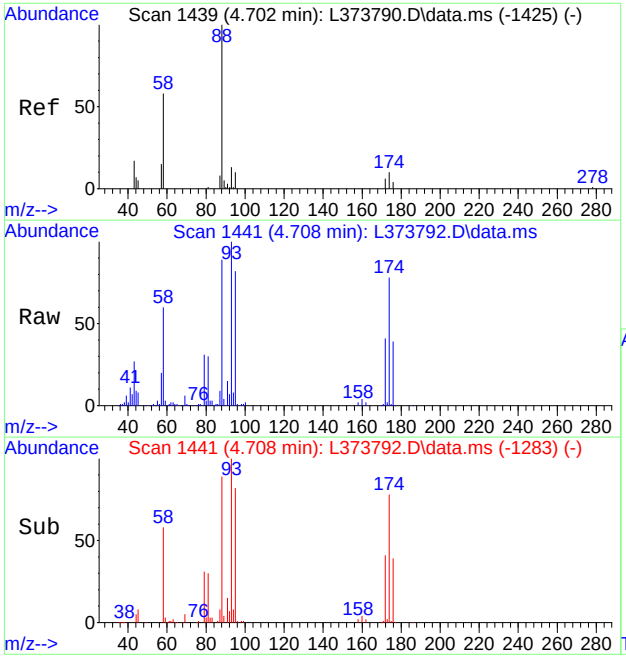
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373792.D
Acq On : 16 Oct 2025 9:47 pm
Operator : BridgetK
Sample : ic11472-200
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 17 13:40:16 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 13:39:16 2025
Response via : Initial Calibration

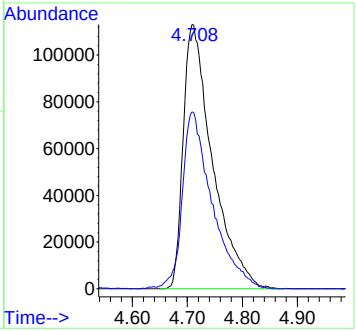


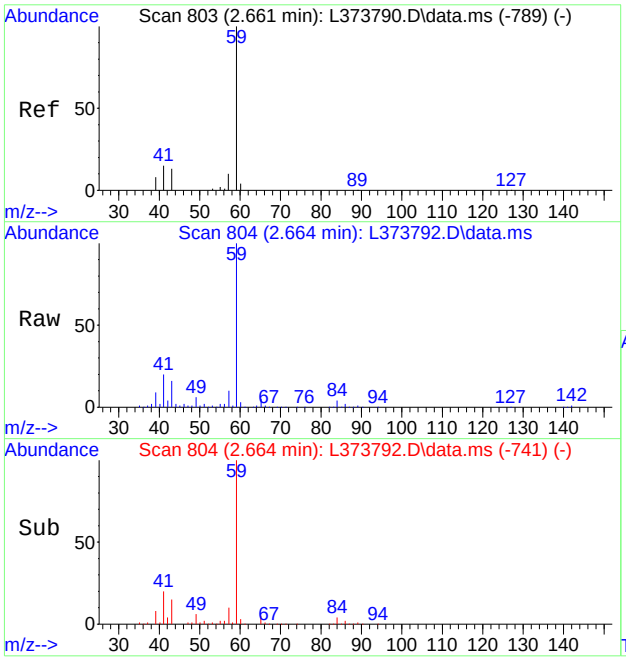


#2
1,4-dioxane
Concen: 4497.04 ug/L
RT: 4.708 min Scan# 1441
Delta R.T. 0.006 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 88 Resp: 417521

Ion	Ratio	Lower	Upper
88	100		
58	66.9	29.1	89.1

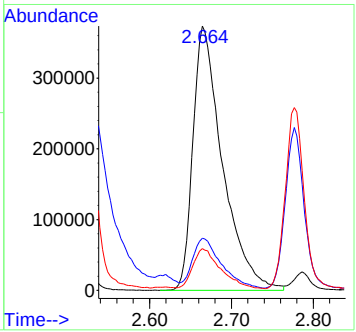


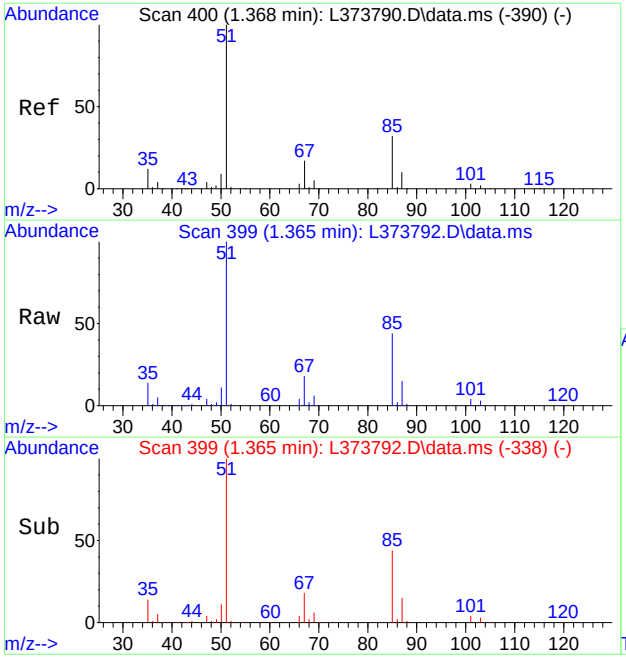


#4
tertiary butyl alcohol
Concen: 903.20 ug/L
RT: 2.664 min Scan# 804
Delta R.T. 0.003 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 59 Resp: 939904

Ion	Ratio	Lower	Upper
59	100		
41	14.0	0.0	45.3
43	14.6	0.0	43.5

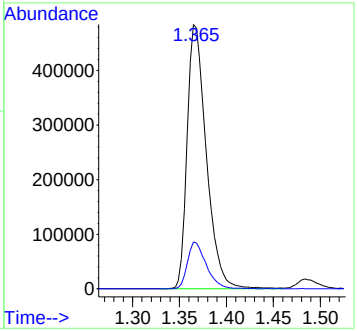


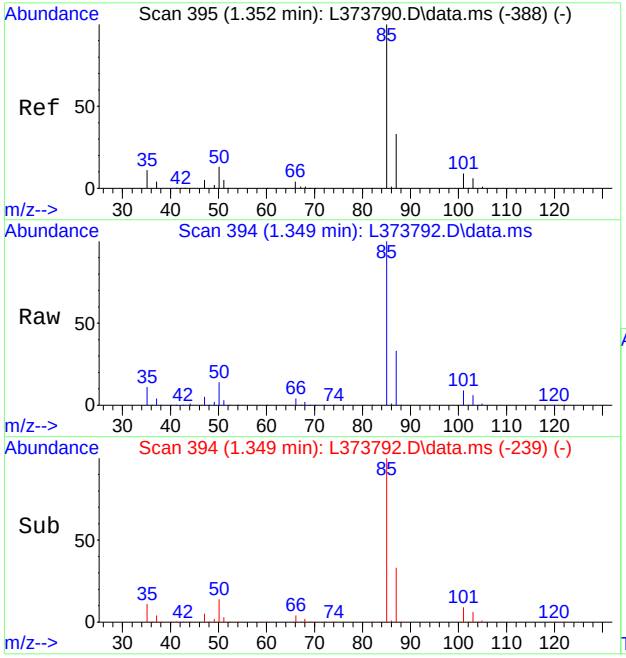


#6
chlorodifluoromethane
Concen: 179.85 ug/L
RT: 1.365 min Scan# 399
Delta R.T. -0.003 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 51 Resp: 688117

Ion	Ratio	Lower	Upper
51	100		
67	17.7	0.0	37.0

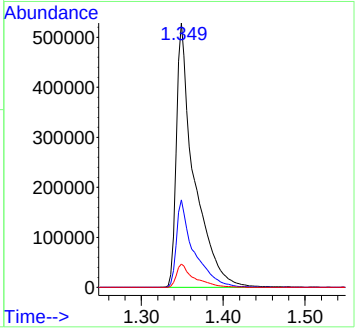


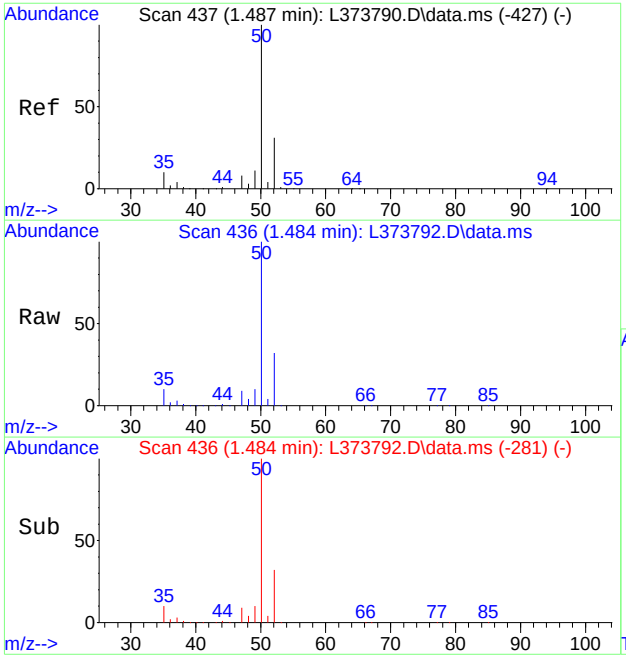


#7
dichlorodifluoromethane
Concen: 204.09 ug/L
RT: 1.349 min Scan# 394
Delta R.T. -0.003 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 85 Resp: 788921

Ion	Ratio	Lower	Upper
85	100		
87	33.1	2.8	62.8
101	8.8	0.0	38.9

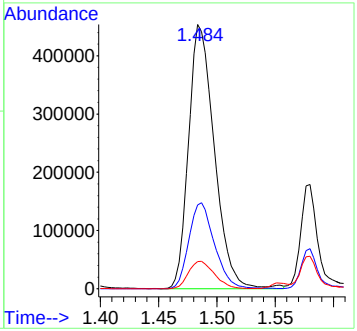


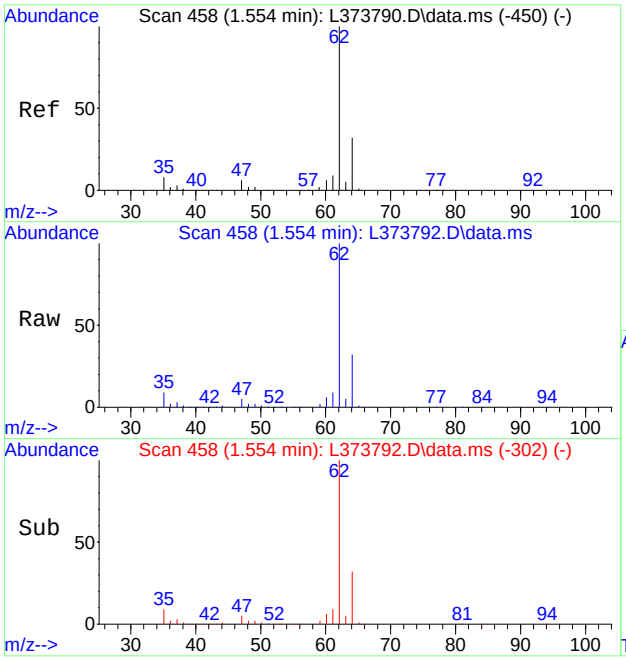


#8
chloromethane
Concen: 188.86 ug/L
RT: 1.484 min Scan# 436
Delta R.T. -0.003 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 50 Resp: 700693

Ion	Ratio	Lower	Upper
50	100		
52	31.7	1.5	61.5
49	10.3	0.0	41.1

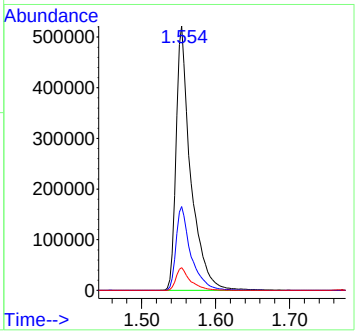


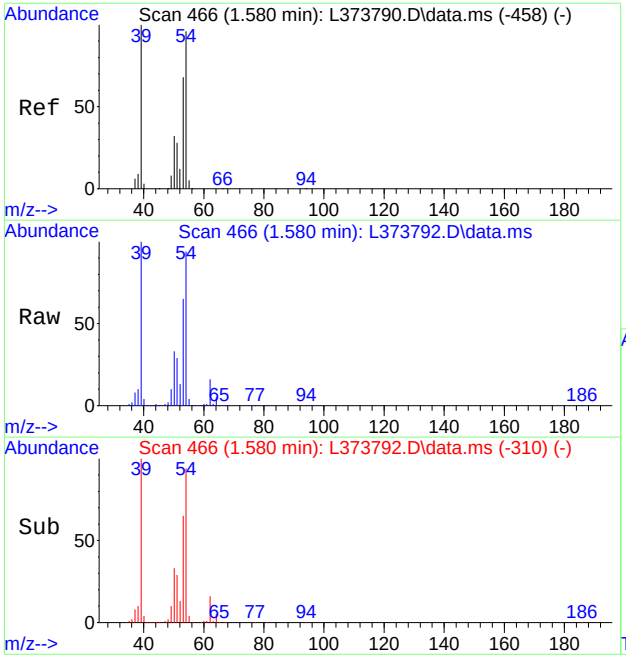


#9
vinyl chloride
Concen: 195.60 ug/L
RT: 1.554 min Scan# 458
Delta R.T. 0.000 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 62 Resp: 718167

Ion	Ratio	Lower	Upper
62	100		
64	31.7	2.2	62.2
61	8.6	0.0	38.5

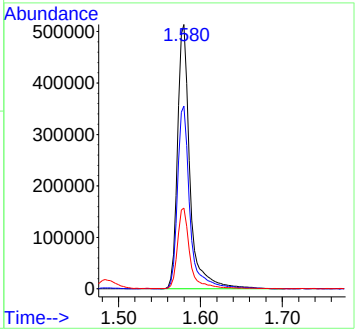


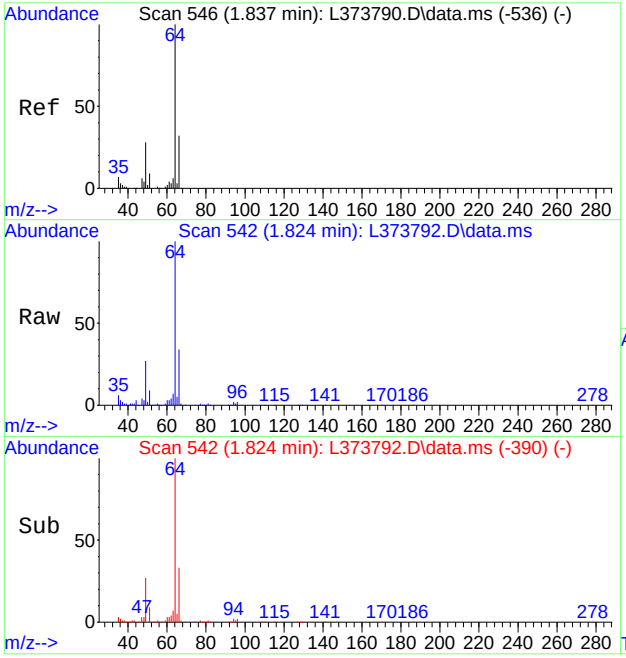


#10
1,3-butadiene
Concen: 159.37 ug/L
RT: 1.580 min Scan# 466
Delta R.T. -0.000 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 54 Resp: 541338

Ion	Ratio	Lower	Upper
54	100		
53	69.1	40.7	100.7
51	30.5	0.0	59.5

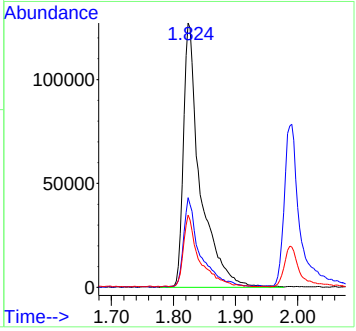


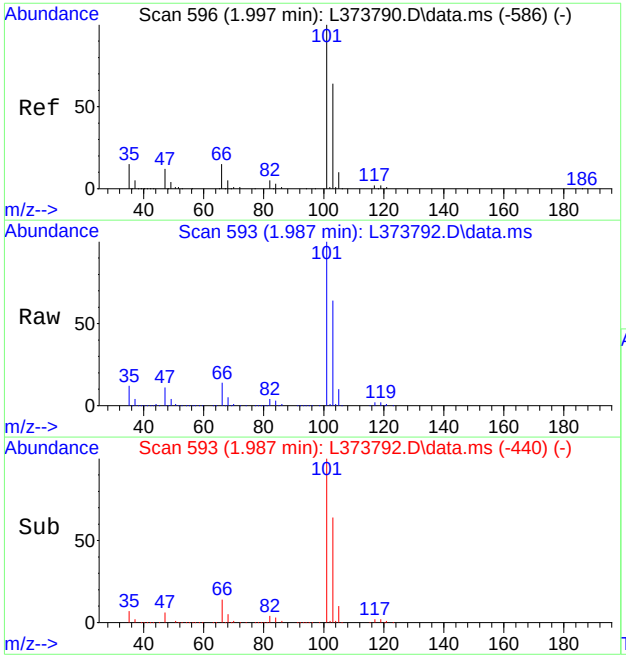


#12
chloroethane
Concen: 155.19 ug/L
RT: 1.824 min Scan# 542
Delta R.T. -0.013 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 64 Resp: 239013

Ion	Ratio	Lower	Upper
64	100		
66	33.6	1.8	61.8
49	27.1	0.0	57.7

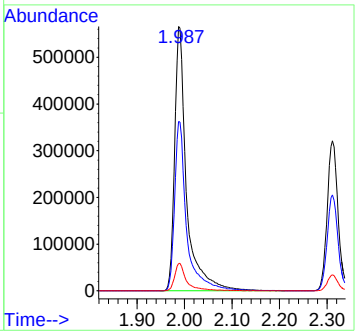


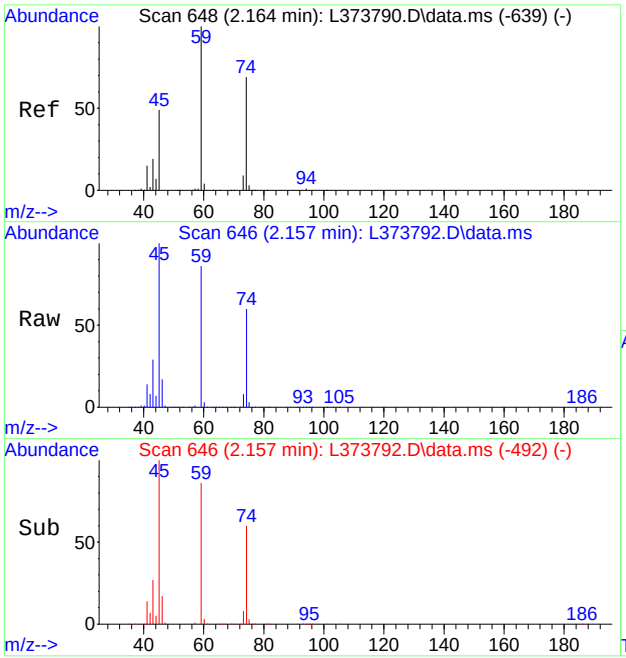


#13
trichlorofluoromethane
Concen: 211.96 ug/L
RT: 1.987 min Scan# 593
Delta R.T. -0.010 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion:101 Resp: 989564

Ion	Ratio	Lower	Upper
101	100		
103	64.0	33.8	93.8
105	10.3	0.0	40.0

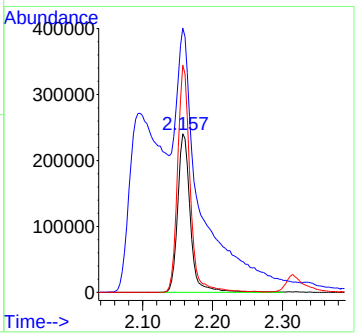


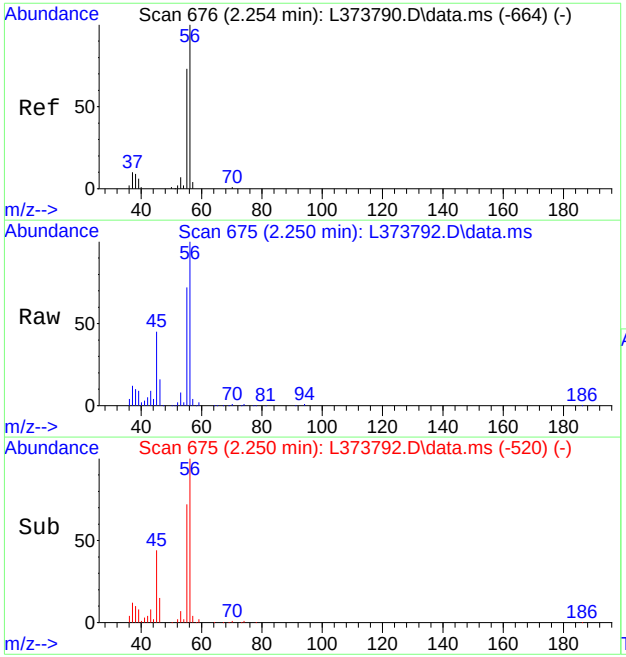


#14
ethyl ether
Concen: 195.16 ug/L
RT: 2.157 min Scan# 646
Delta R.T. -0.007 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 74 Resp: 303464

Ion	Ratio	Lower	Upper
74	100		
45	159.2	102.0	162.0
59	143.2	114.2	174.2

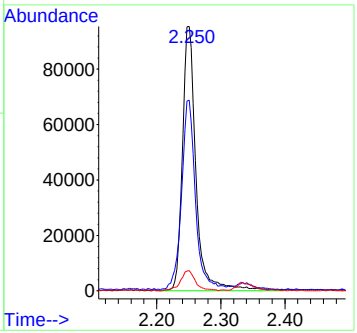


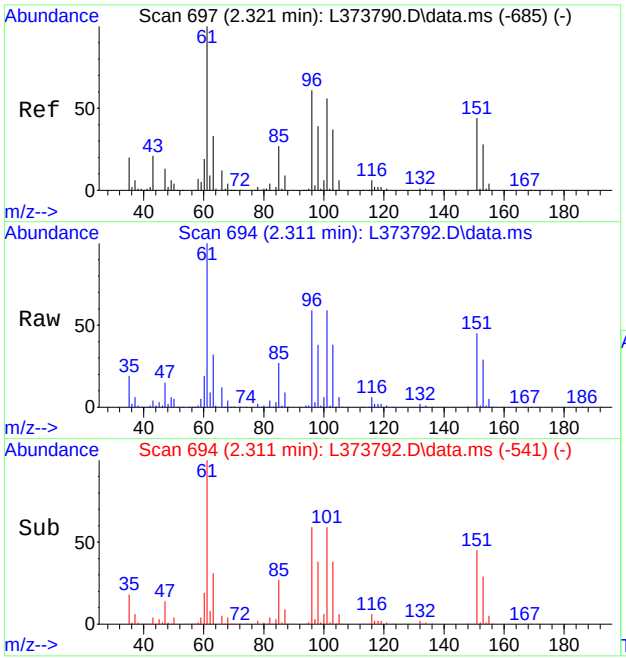


#15
acrolein
Concen: 211.76 ug/L
RT: 2.250 min Scan# 675
Delta R.T. -0.004 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 56 Resp: 141084

Ion	Ratio	Lower	Upper
56	100		
55	71.6	42.9	102.9
53	7.7	0.0	38.0

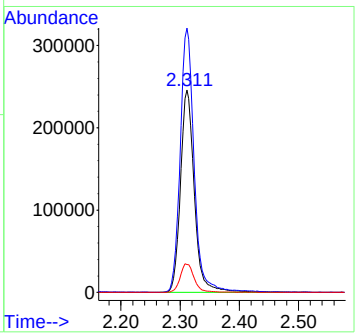


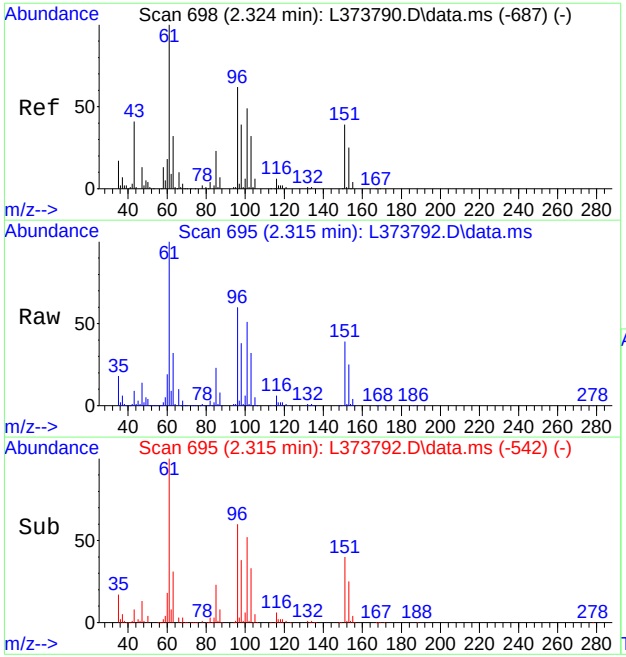


#16
freon 113
Concen: 203.82 ug/L
RT: 2.311 min Scan# 694
Delta R.T. -0.010 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion:151 Resp: 400948

Ion	Ratio	Lower	Upper
151	100		
101	130.6	107.4	147.4
116	13.8	0.0	33.9

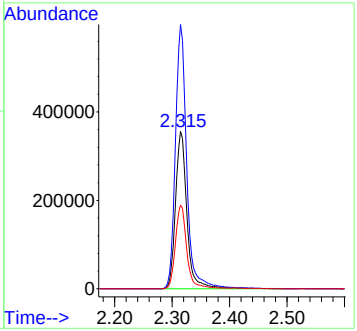


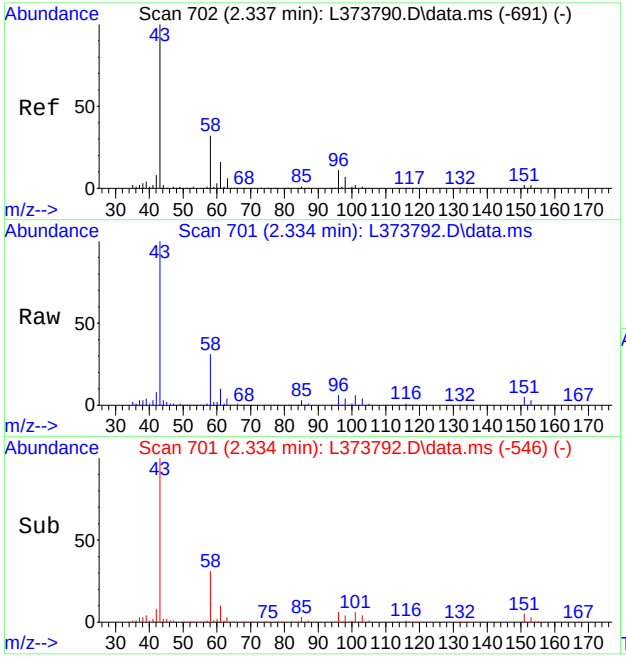


#17
1,1-dichloroethene
Concen: 200.72 ug/L
RT: 2.315 min Scan# 695
Delta R.T. -0.009 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 96 Resp: 493481

Ion	Ratio	Lower	Upper
96	100		
61	167.9	131.4	191.4
63	53.3	22.3	82.3

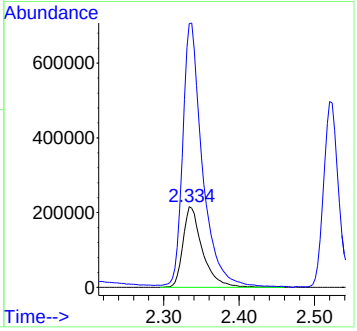


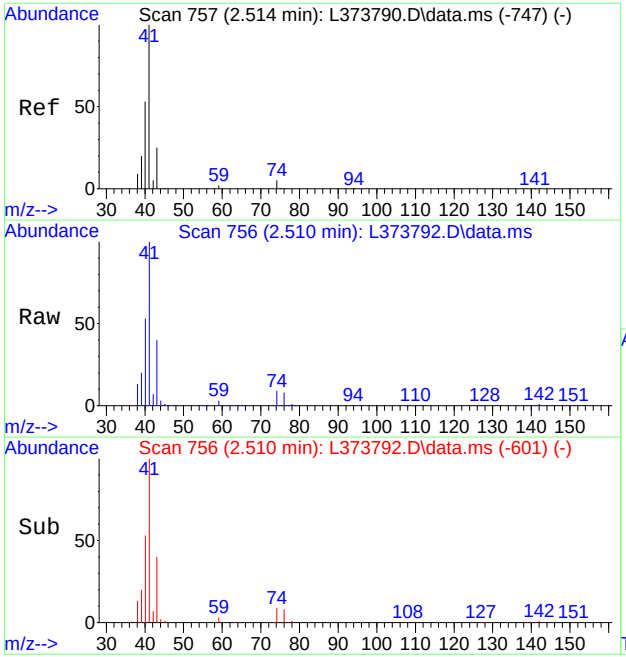


#18
acetone
Concen: 798.59 ug/L
RT: 2.334 min Scan# 701
Delta R.T. -0.003 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 58 Resp: 386357

Ion	Ratio	Lower	Upper
58	100		
43	325.9	286.5	346.5

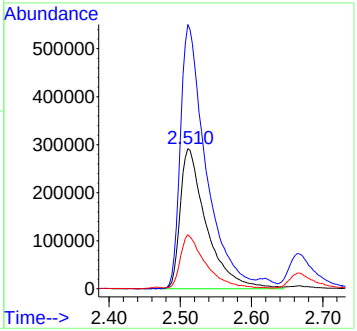


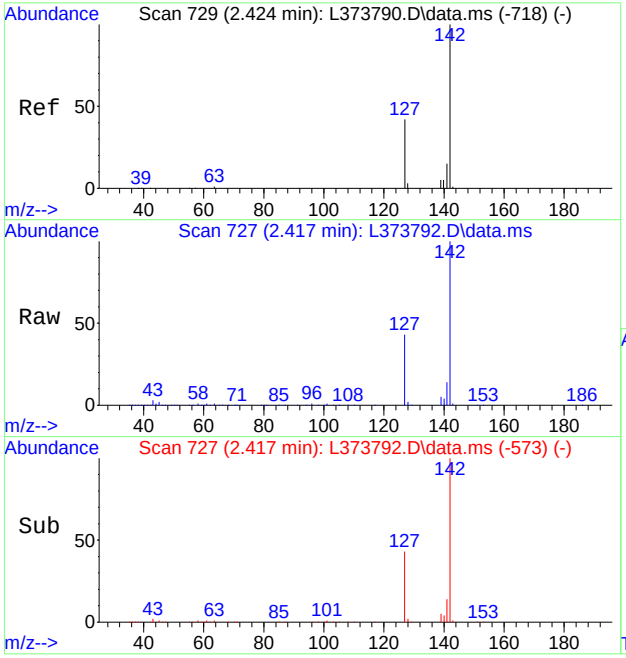


#19
acetonitrile
Concen: 1962.24 ug/L
RT: 2.510 min Scan# 756
Delta R.T. -0.004 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 40 Resp: 743894

Ion	Ratio	Lower	Upper
40	100		
41	188.5	158.5	218.5
39	37.6	8.2	68.2

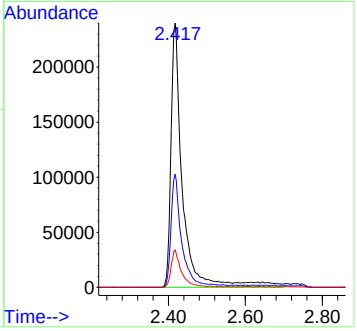


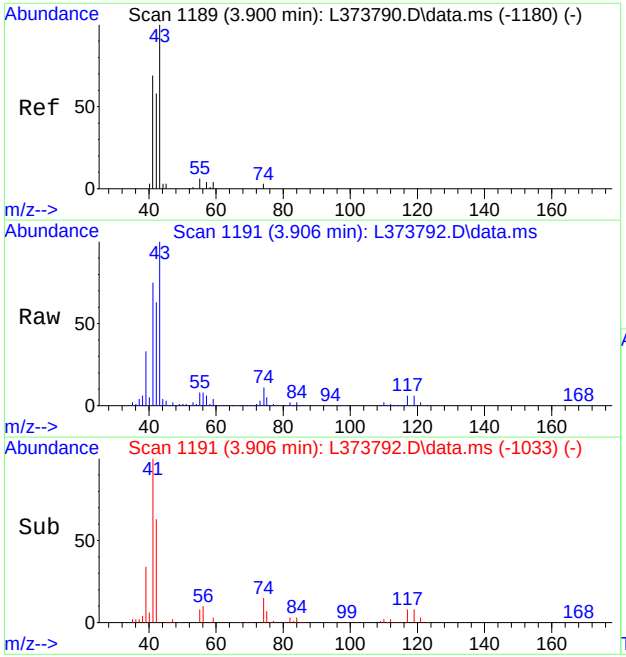


#20
iodomethane
Concen: 198.91 ug/L
RT: 2.417 min Scan# 727
Delta R.T. -0.007 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion:142 Resp: 506186

Ion	Ratio	Lower	Upper
142	100		
127	42.8	12.2	72.2
141	14.2	0.0	44.6

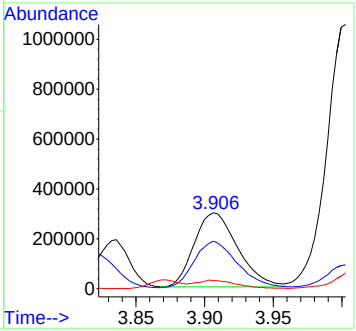


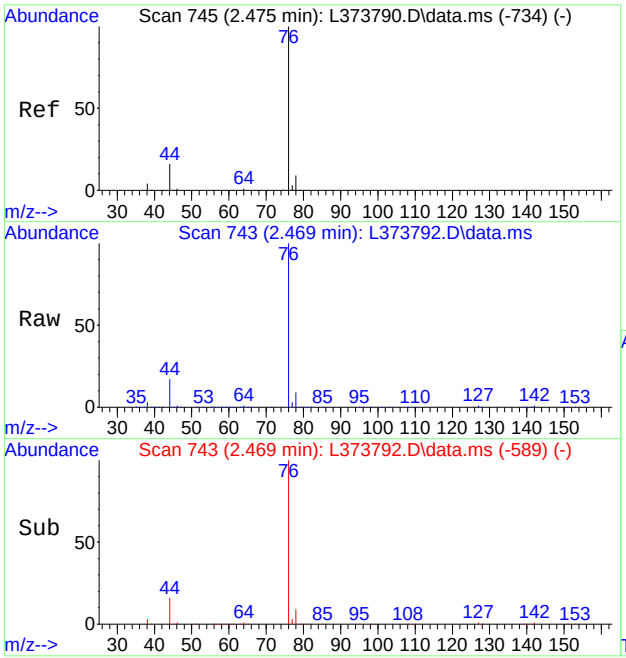


#21
iso-butyl alcohol
Concen: 1989.31 ug/L
RT: 3.906 min Scan# 1191
Delta R.T. 0.006 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 43 Resp: 654364

Ion	Ratio	Lower	Upper
43	100		
42	62.8	28.3	88.3
74	10.3	0.0	40.9

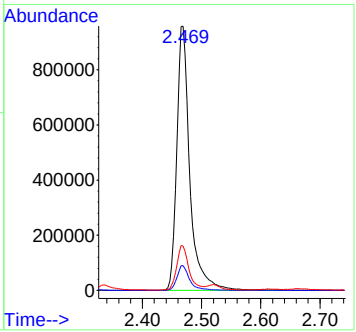


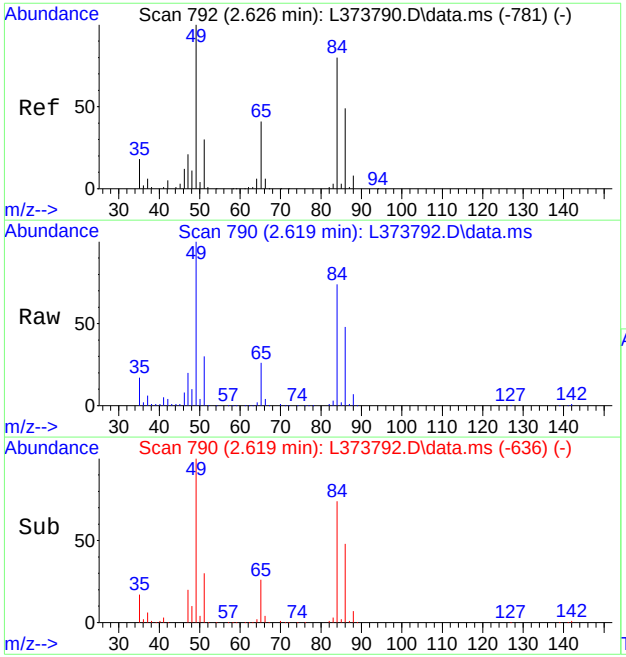


#22
carbon disulfide
Concen: 190.06 ug/L
RT: 2.469 min Scan# 743
Delta R.T. -0.006 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 76 Resp: 1469702

Ion	Ratio	Lower	Upper
76	100		
78	9.4	0.0	38.9
44	16.6	0.0	46.1

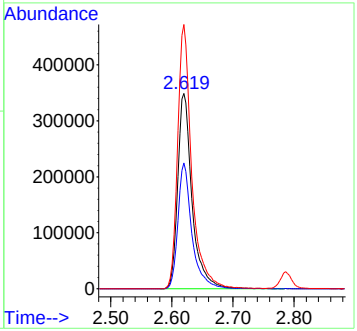


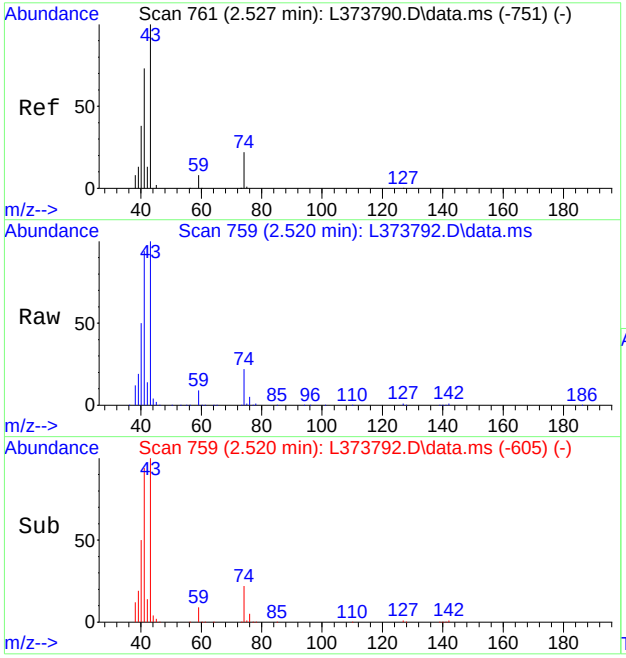


#23
methylene chloride
Concen: 187.70 ug/L
RT: 2.619 min Scan# 790
Delta R.T. -0.007 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 84 Resp: 569532

Ion	Ratio	Lower	Upper
84	100		
86	64.4	31.2	91.2
49	135.3	95.6	155.6

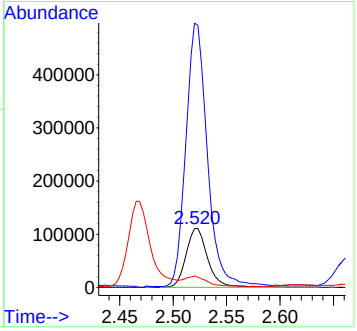


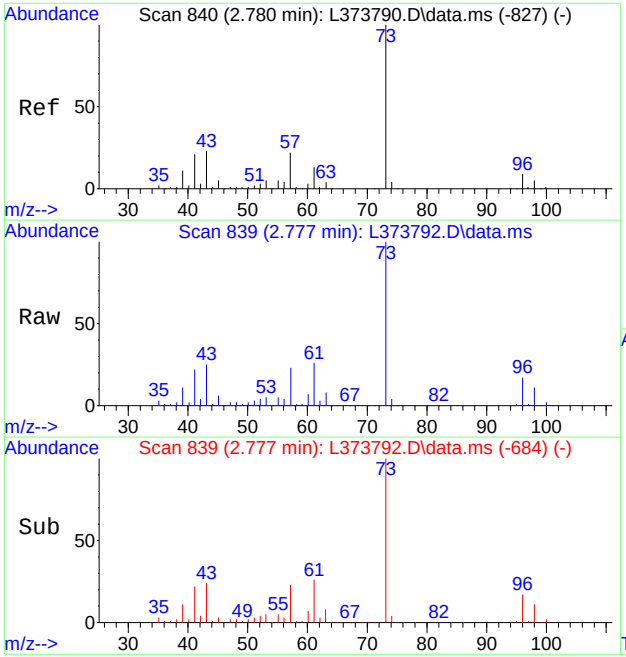


#24
methyl acetate
Concen: 205.10 ug/L
RT: 2.520 min Scan# 759
Delta R.T. -0.007 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 74 Resp: 156755

Ion	Ratio	Lower	Upper
74	100		
43	447.0	417.7	477.7
44	16.1	0.0	39.0

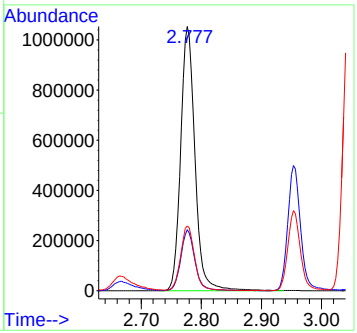


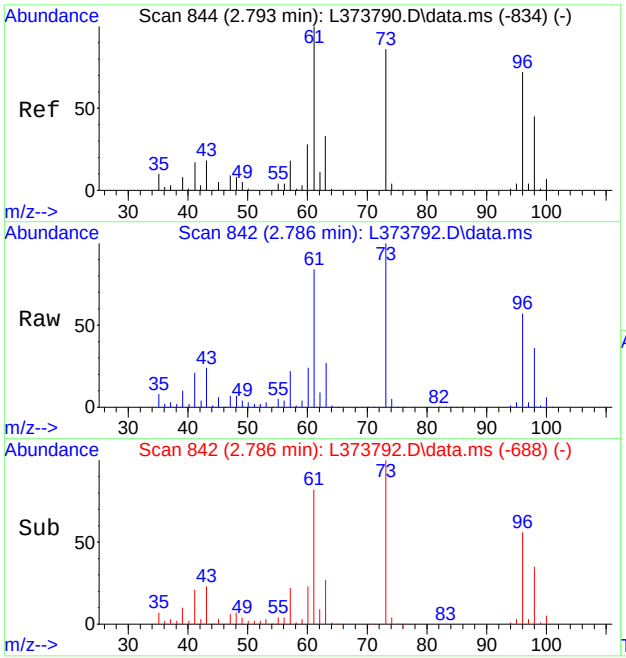


#25
methyl tert butyl ether
Concen: 214.01 ug/L
RT: 2.777 min Scan# 839
Delta R.T. -0.003 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 73 Resp: 1740568

Ion	Ratio	Lower	Upper
73	100		
57	22.9	0.0	52.4
43	24.2	0.0	52.7

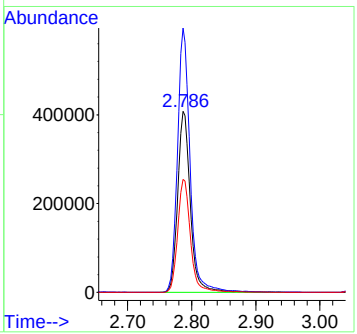


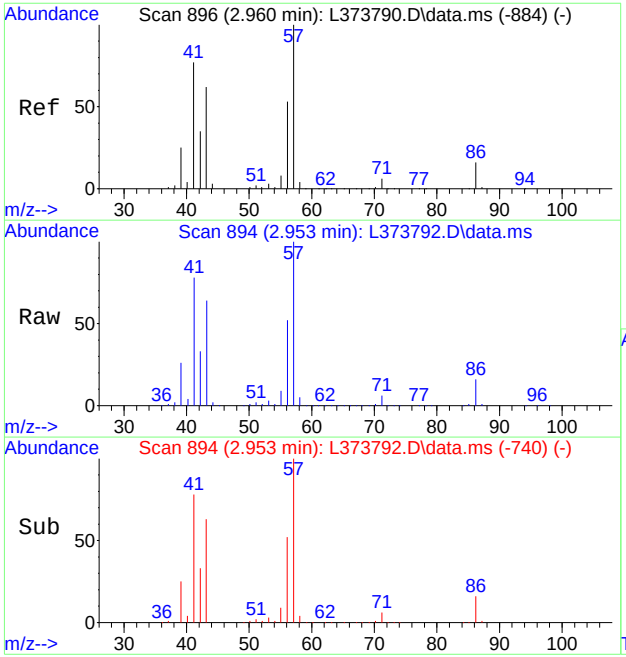


#26
trans-1,2-dichloroethene
Concen: 201.34 ug/L
RT: 2.786 min Scan# 842
Delta R.T. -0.007 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 96 Resp: 562835

Ion	Ratio	Lower	Upper
96	100		
61	146.1	109.1	169.1
98	62.5	32.0	92.0

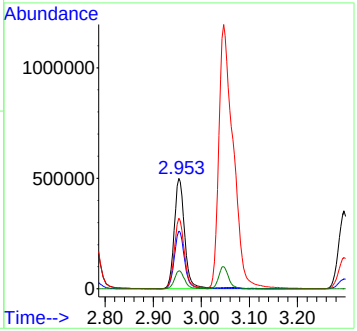


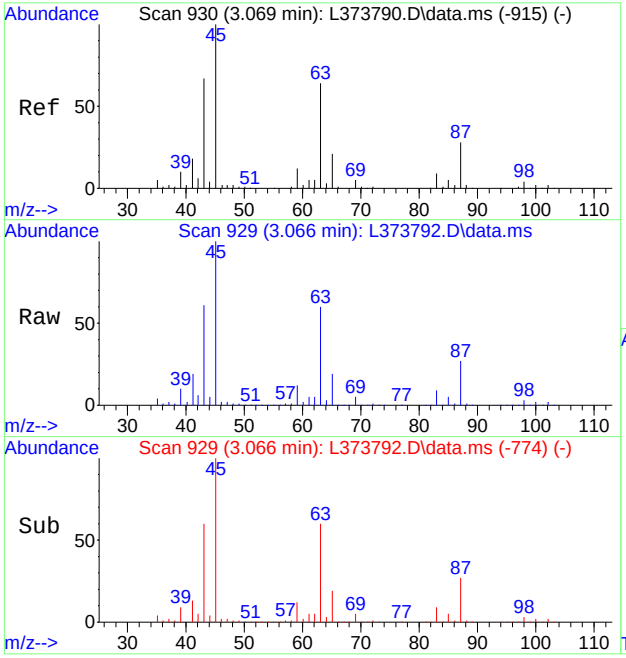


#27
hexane
Concen: 220.52 ug/L
RT: 2.953 min Scan# 894
Delta R.T. -0.007 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 57 Resp: 761498

Ion	Ratio	Lower	Upper
57	100		
56	52.5	32.9	72.9
43	63.8	41.9	81.9
86	16.4	0.0	36.3

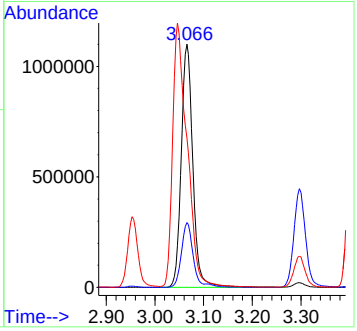


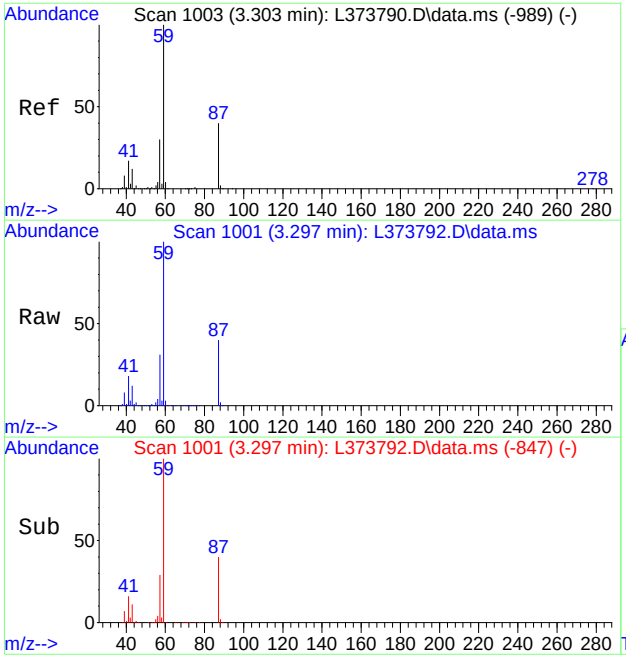


#28
di-isopropyl ether
Concen: 214.29 ug/L
RT: 3.066 min Scan# 929
Delta R.T. -0.003 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 45 Resp: 1824371

Ion	Ratio	Lower	Upper
45	100		
87	26.6	0.0	57.5
43	61.0	37.5	97.5

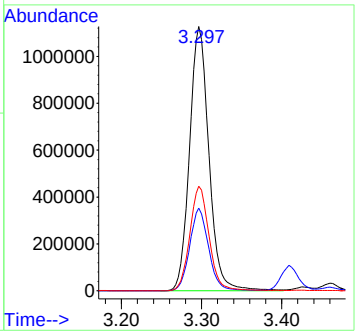


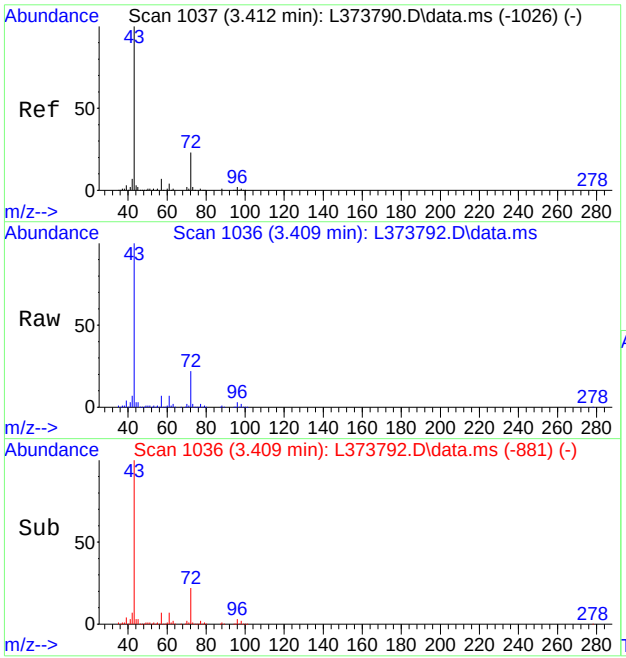


#29
ethyl tert-butyl ether
Concen: 216.97 ug/L
RT: 3.297 min Scan# 1001
Delta R.T. -0.006 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 59 Resp: 1897318

Ion	Ratio	Lower	Upper
59	100		
57	31.3	0.3	60.3
87	39.6	9.6	69.6

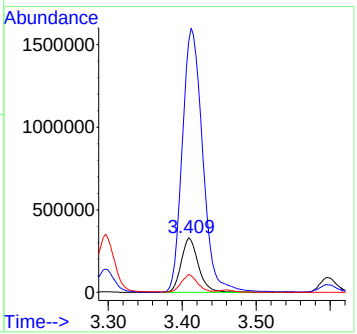


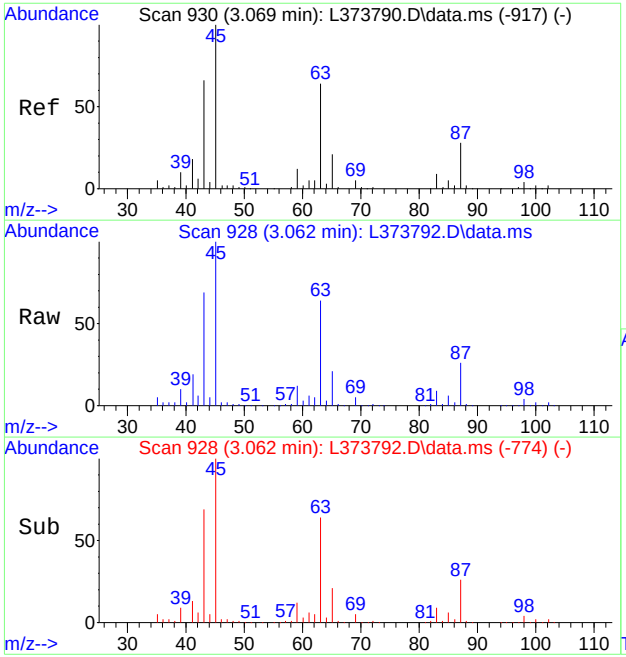


#30
2-butanone
Concen: 881.05 ug/L
RT: 3.409 min Scan# 1036
Delta R.T. -0.003 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 72 Resp: 536199

Ion	Ratio	Lower	Upper
72	100		
43	457.4	411.9	471.9
57	32.9	2.4	62.4

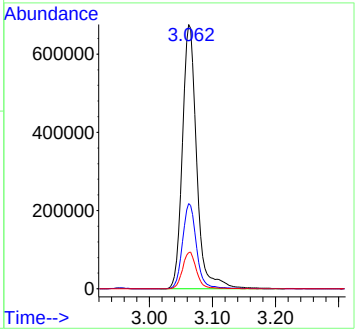


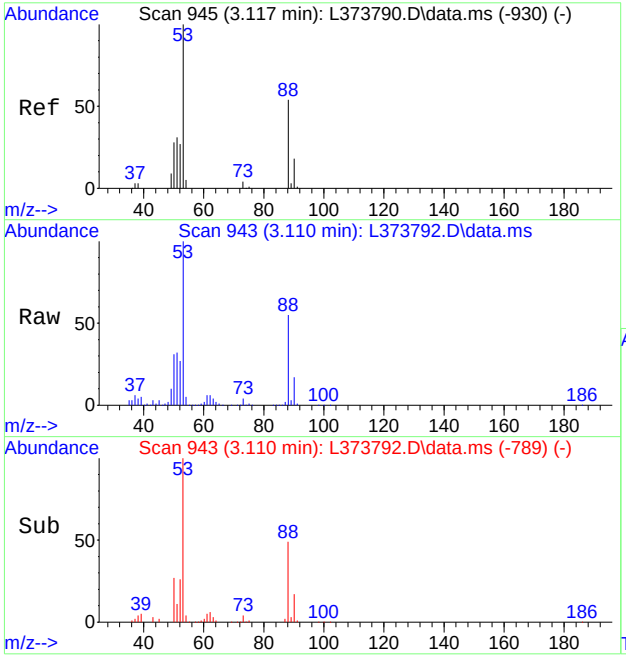


#31
1,1-dichloroethane
Concen: 201.73 ug/L
RT: 3.062 min Scan# 928
Delta R.T. -0.007 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 63 Resp: 1065210

Ion	Ratio	Lower	Upper
63	100		
65	32.2	2.5	62.5
83	13.7	0.0	43.5

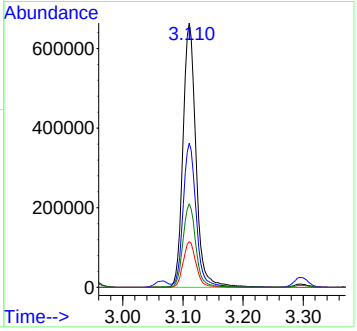


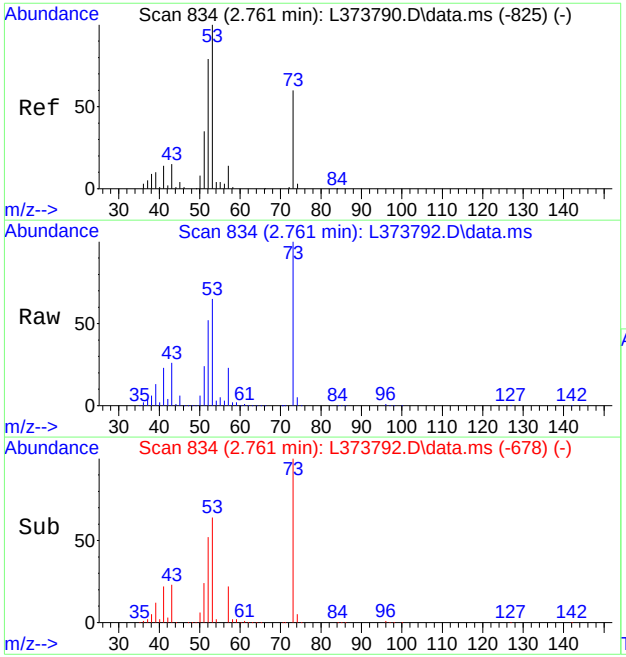


#32
chloroprene
Concen: 217.98 ug/L
RT: 3.110 min Scan# 943
Delta R.T. -0.007 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 53 Resp: 990275

Ion	Ratio	Lower	Upper
53	100		
88	54.6	26.2	86.2
90	17.3	0.0	47.9
51	31.6	0.9	60.9

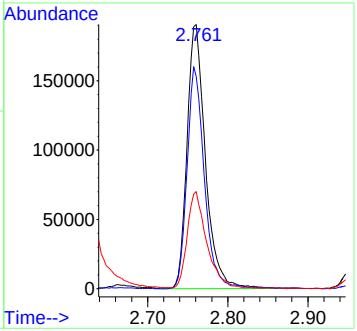


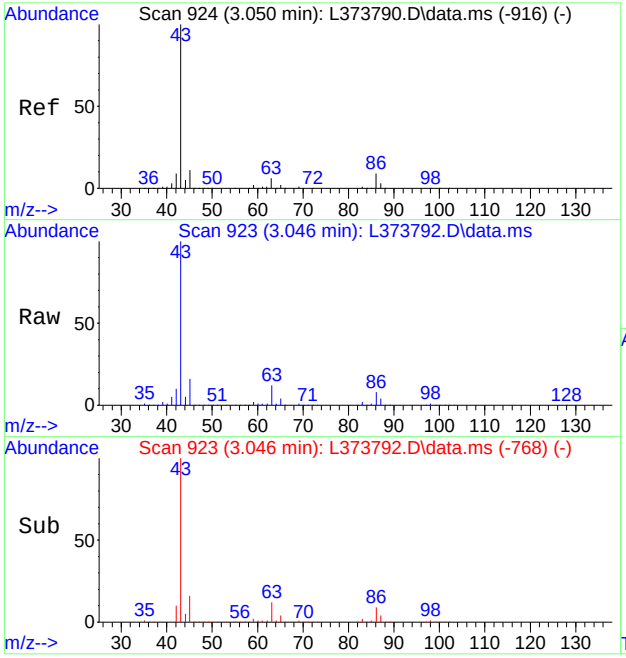


#33
acrylonitrile
Concen: 209.00 ug/L
RT: 2.761 min Scan# 834
Delta R.T. -0.000 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 53 Resp: 304593

Ion	Ratio	Lower	Upper
53	100		
52	80.4	48.8	108.8
51	36.6	4.6	64.6

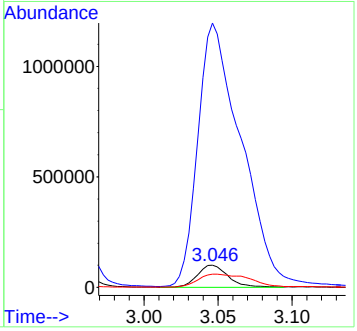


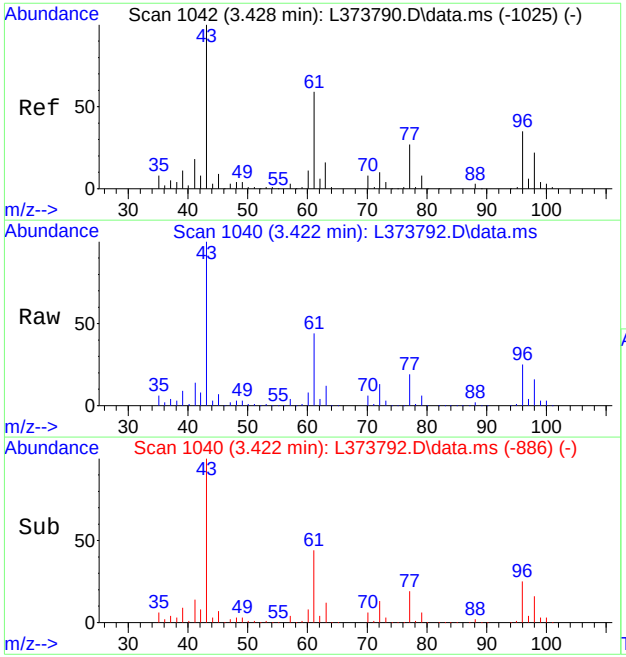


#34
vinyl acetate
Concen: 206.22 ug/L
RT: 3.046 min Scan# 923
Delta R.T. -0.004 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 86 Resp: 142488

Ion	Ratio	Lower	Upper
86	100		
43	1196.7	1076.3	1136.3#
44	59.0	23.6	83.6

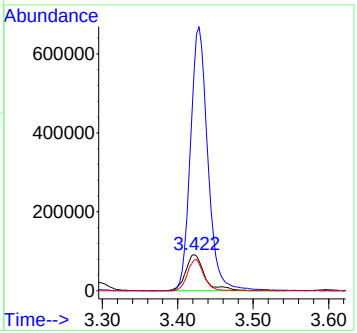


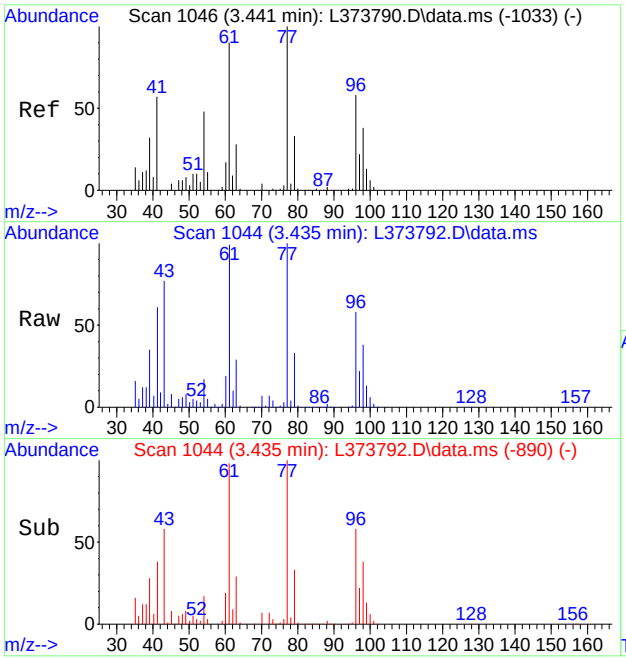


#35
ethyl acetate
Concen: 210.05 ug/L
RT: 3.422 min Scan# 1040
Delta R.T. -0.006 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 45 Resp: 158146

Ion	Ratio	Lower	Upper
45	100		
61	616.7	598.6	658.6
70	86.1	53.6	113.6

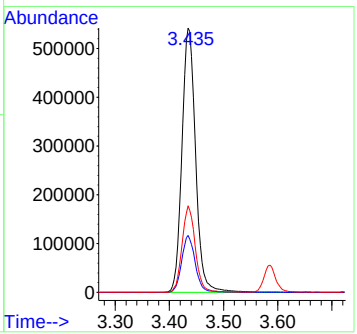


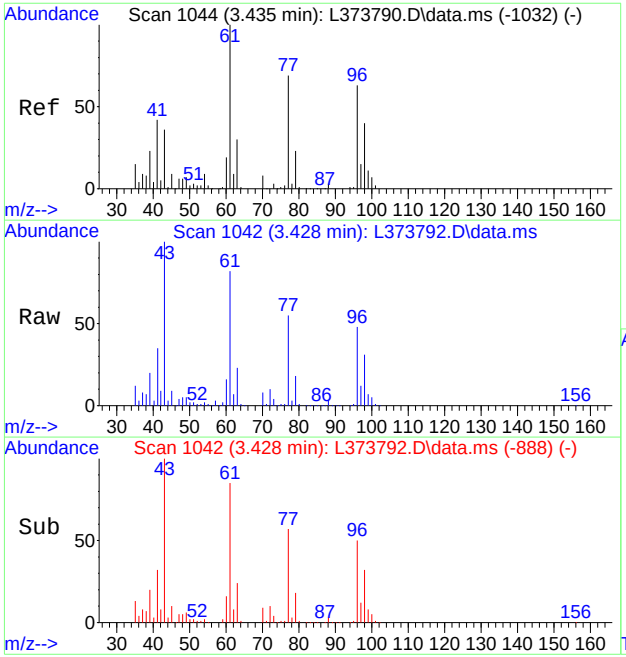


#36
2,2-dichloropropane
Concen: 199.83 ug/L
RT: 3.435 min Scan# 1044
Delta R.T. -0.006 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 77 Resp: 950713

Ion	Ratio	Lower	Upper
77	100		
97	21.5	0.0	52.3
79	32.8	3.0	63.0

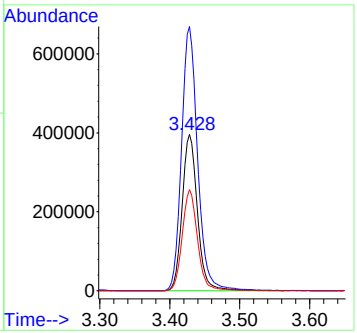


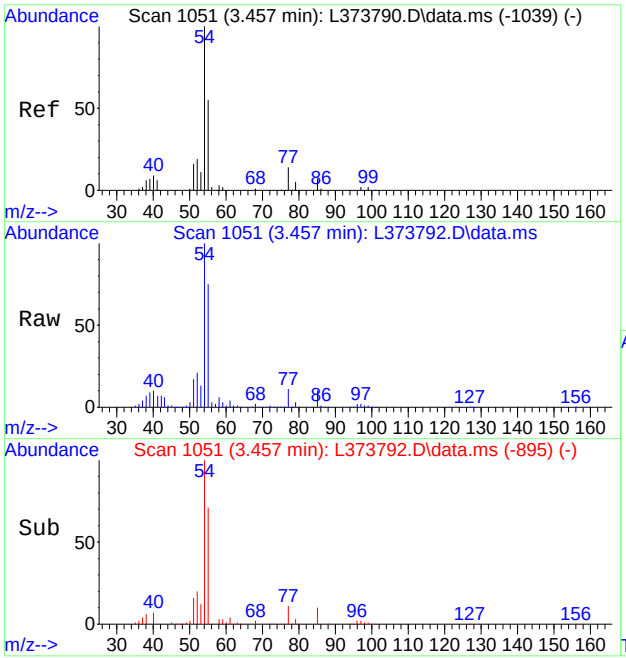


#37
cis-1,2-dichloroethene
Concen: 196.38 ug/L
RT: 3.428 min Scan# 1042
Delta R.T. -0.007 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 96 Resp: 603189

Ion	Ratio	Lower	Upper
96	100		
61	169.1	128.7	188.7
98	64.8	34.1	94.1

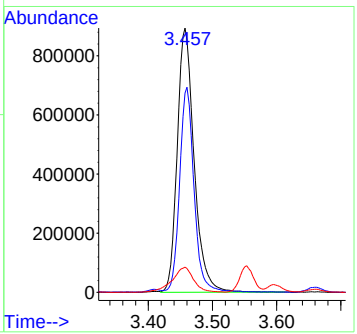


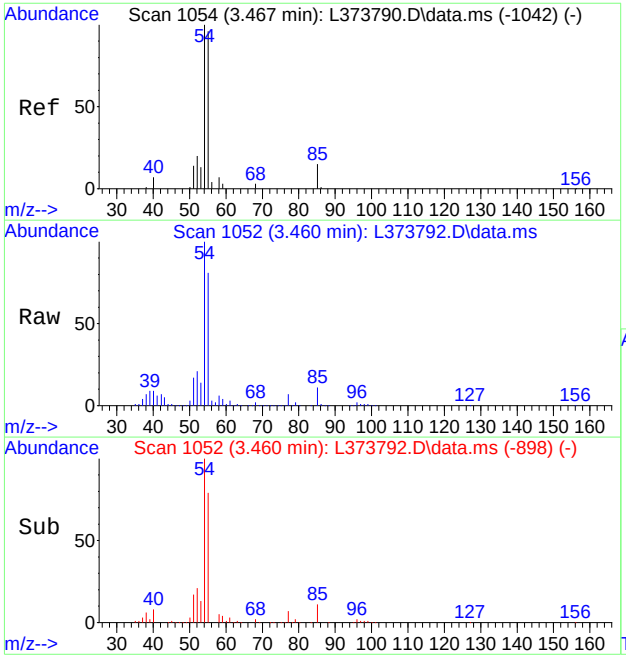


#38
propionitrile
Concen: 1974.72 ug/L
RT: 3.457 min Scan# 1051
Delta R.T. 0.000 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 54 Resp: 1637302

Ion	Ratio	Lower	Upper
54	100		
55	75.4	25.4	85.4
40	8.2	0.0	39.0

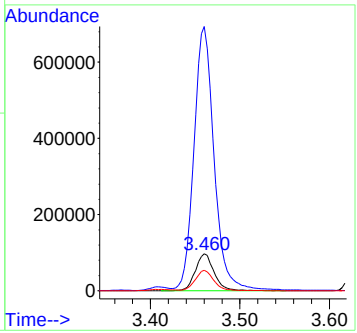


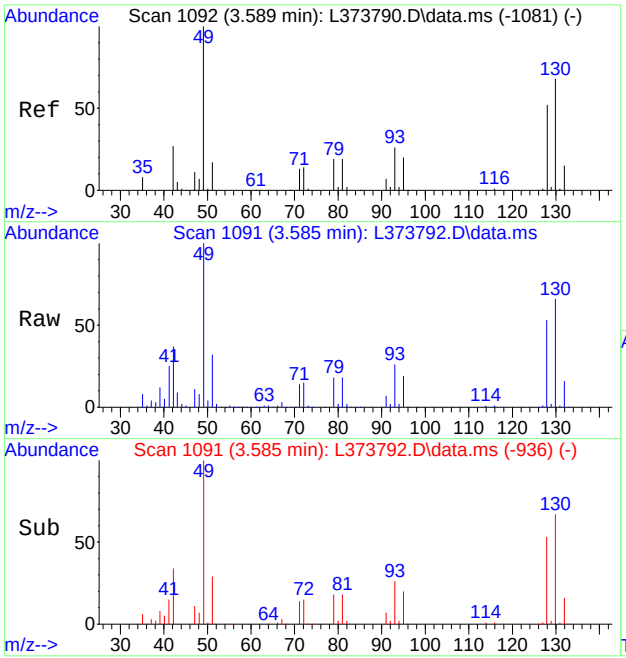


#39
methyl acrylate
Concen: 220.30 ug/L
RT: 3.460 min Scan# 1052
Delta R.T. -0.007 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 85 Resp: 142801

Ion	Ratio	Lower	Upper
85	100		
55	711.1	639.4	679.4#
58	54.8	29.8	69.8

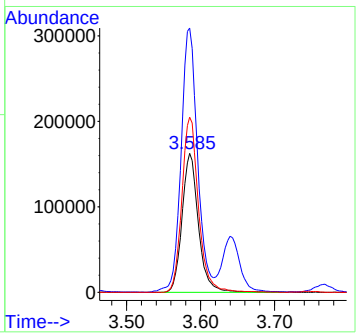


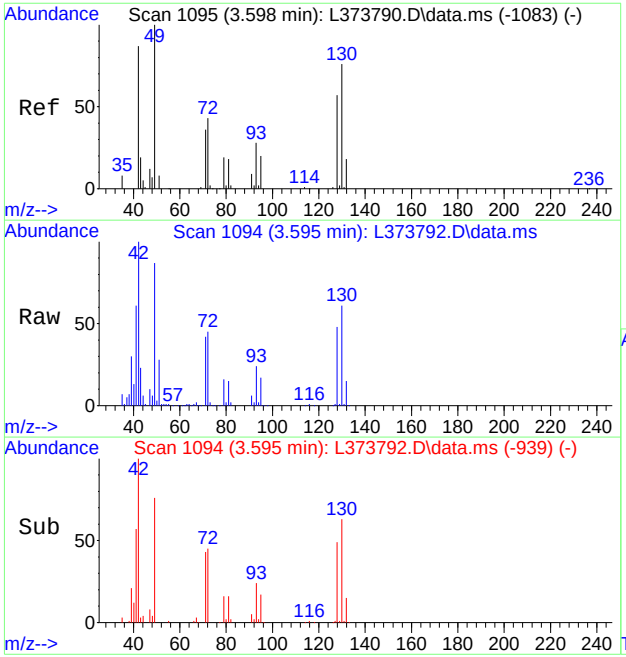


#40
bromochloromethane
Concen: 185.49 ug/L
RT: 3.585 min Scan# 1091
Delta R.T. -0.004 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion:128 Resp: 250894

Ion	Ratio	Lower	Upper
128	100		
49	189.9	163.3	223.3
130	126.1	100.3	160.3

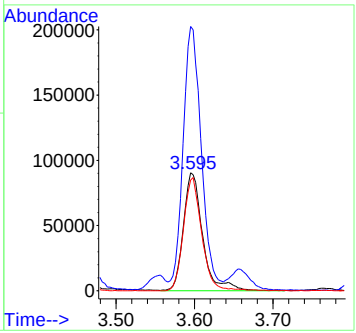


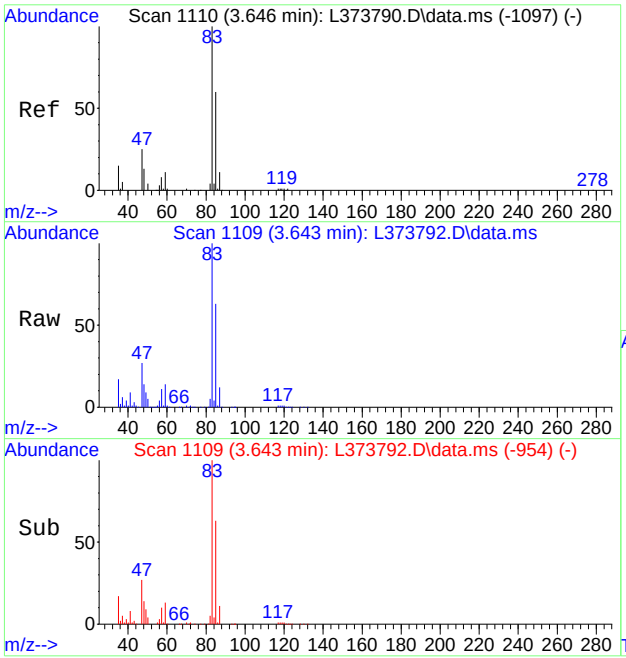


#41
tetrahydrofuran
Concen: 204.45 ug/L
RT: 3.595 min Scan# 1094
Delta R.T. -0.003 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 72 Resp: 155050

Ion	Ratio	Lower	Upper
72	100		
42	223.3	183.3	243.3
71	93.8	53.5	113.5

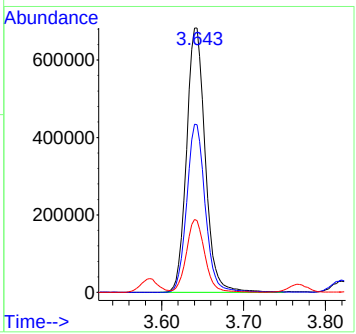


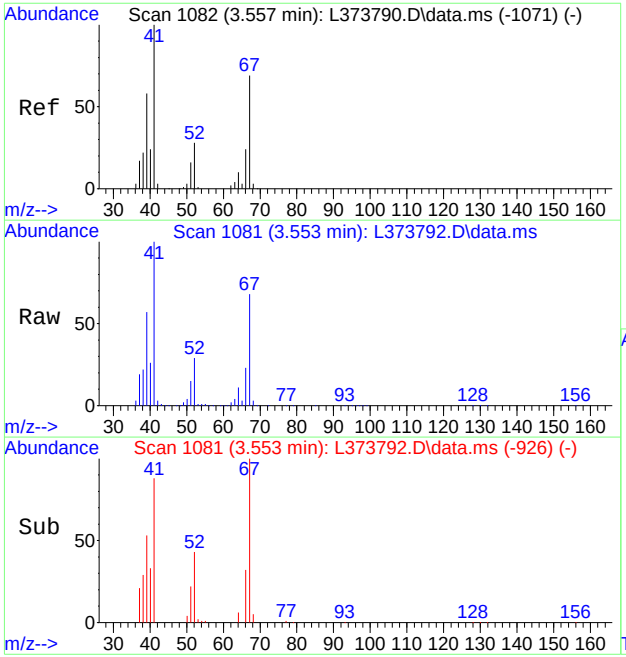


#42
chloroform
Concen: 185.13 ug/L
RT: 3.643 min Scan# 1109
Delta R.T. -0.003 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 83 Resp: 1084833

Ion	Ratio	Lower	Upper
83	100		
85	63.4	29.7	89.7
47	26.3	0.0	54.6

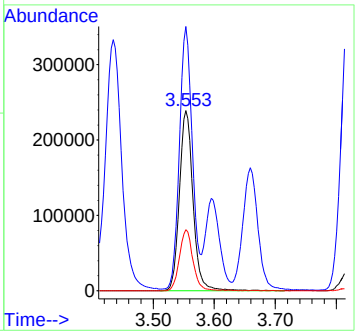


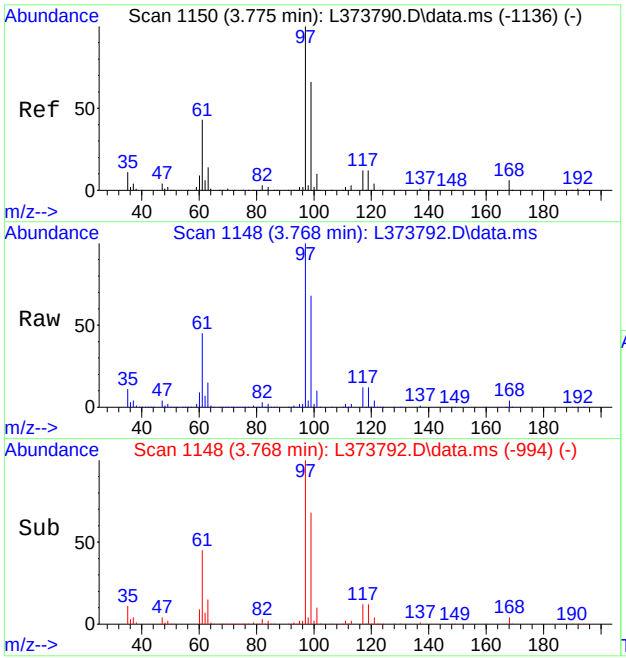


#44
methacrylonitrile
Concen: 209.66 ug/L
RT: 3.553 min Scan# 1081
Delta R.T. -0.004 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 67 Resp: 370730

Ion	Ratio	Lower	Upper
67	100		
41	145.8	115.3	175.3
66	33.9	4.3	64.3

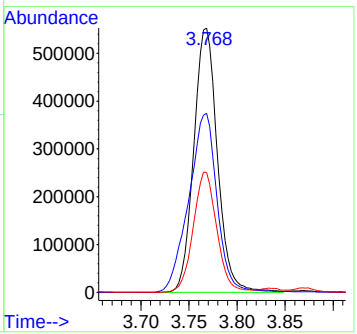


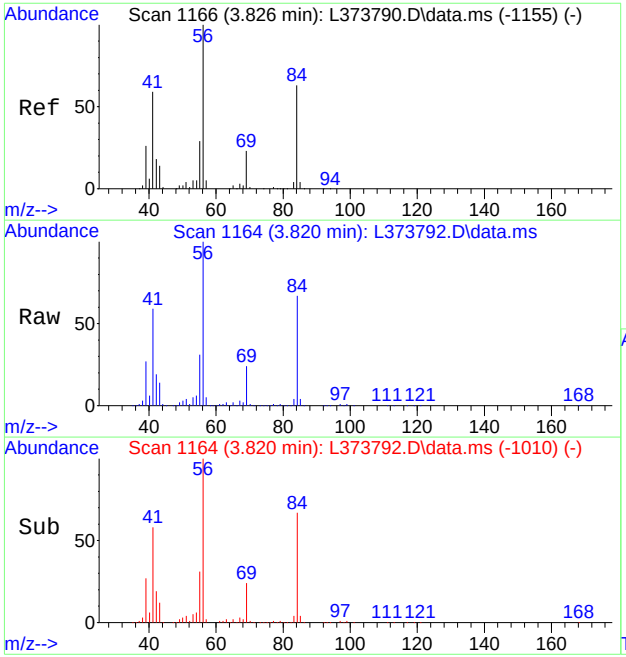


#45
1,1,1-trichloroethane
Concen: 204.89 ug/L
RT: 3.768 min Scan# 1148
Delta R.T. -0.007 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 97 Resp: 950680

Ion	Ratio	Lower	Upper
97	100		
99	67.4	41.0	101.0
61	45.4	12.9	72.9

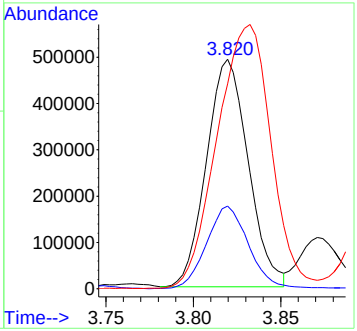


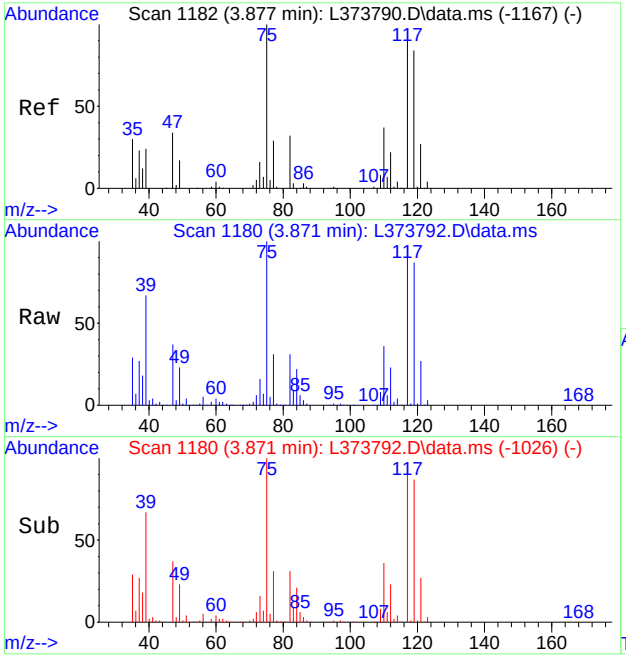


#46
cyclohexane
Concen: 212.02 ug/L
RT: 3.820 min Scan# 1164
Delta R.T. -0.006 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 84 Resp: 817470

Ion	Ratio	Lower	Upper
84	100		
69	36.2	16.2	56.2
41	89.8	73.6	113.6

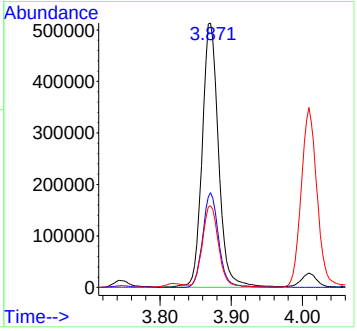


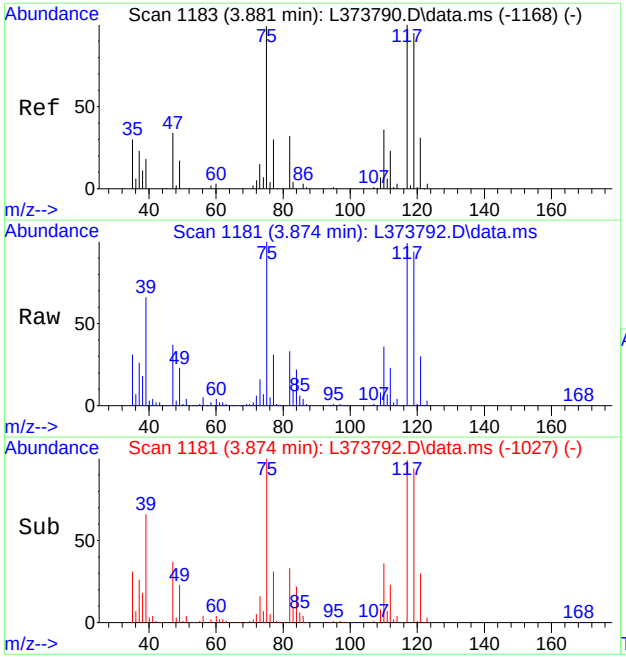


#47
1,1-dichloropropene
Concen: 218.28 ug/L
RT: 3.871 min Scan# 1180
Delta R.T. -0.006 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 75 Resp: 821343

Ion	Ratio	Lower	Upper
75	100		
110	35.9	17.0	57.0
77	30.6	10.2	50.2

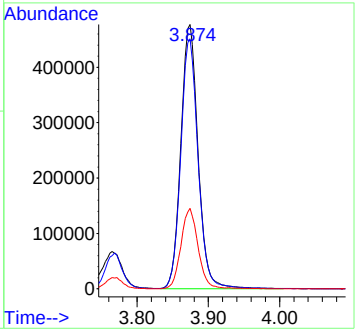


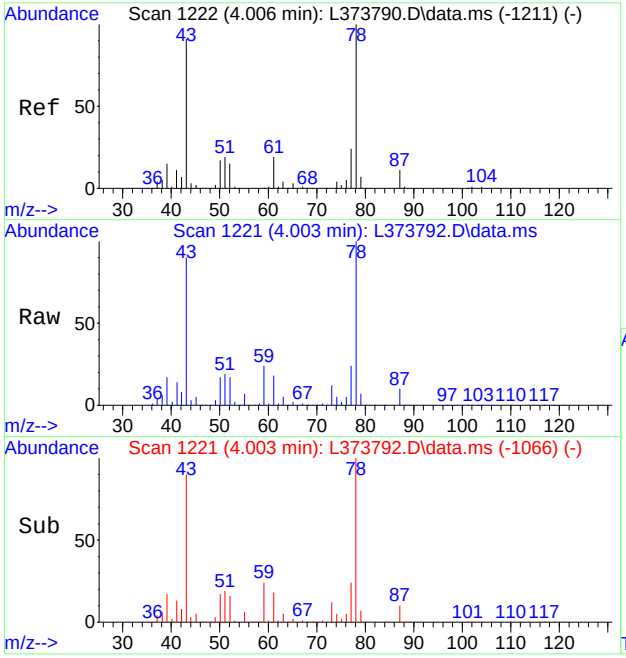


#48
carbon tetrachloride
Concen: 212.67 ug/L
RT: 3.874 min Scan# 1181
Delta R.T. -0.007 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion:117 Resp: 804365

Ion	Ratio	Lower	Upper
117	100		
119	94.5	74.4	114.4
121	30.4	10.8	50.8

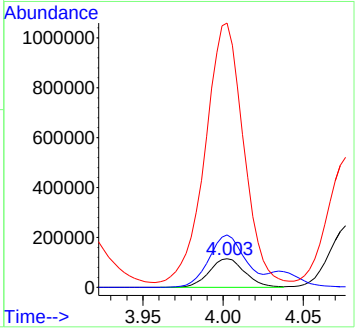


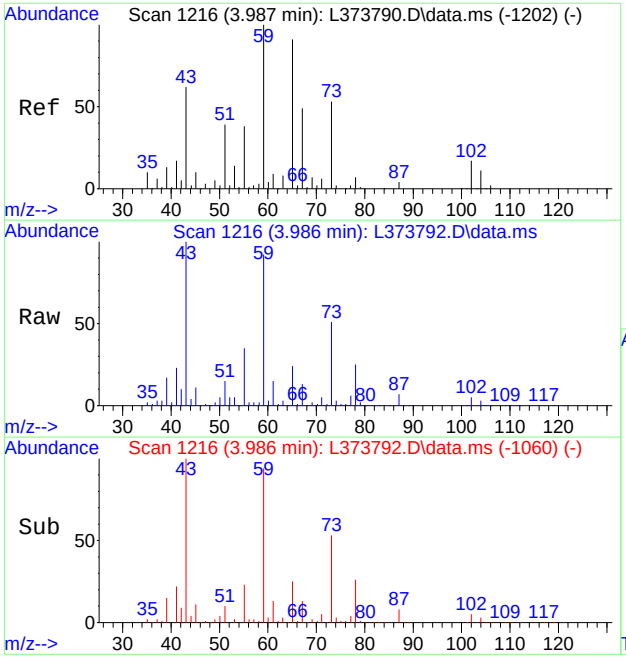


#49
isopropyl acetate
Concen: 212.24 ug/L
RT: 4.003 min Scan# 1221
Delta R.T. -0.003 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 87 Resp: 178150

Ion	Ratio	Lower	Upper
87	100		
61	183.7	152.1	192.1
43	906.1	844.1	904.1#

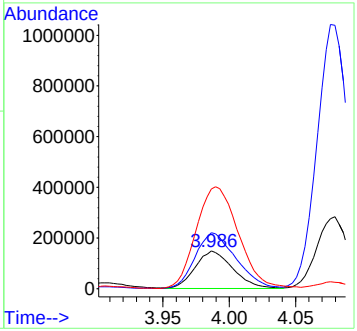


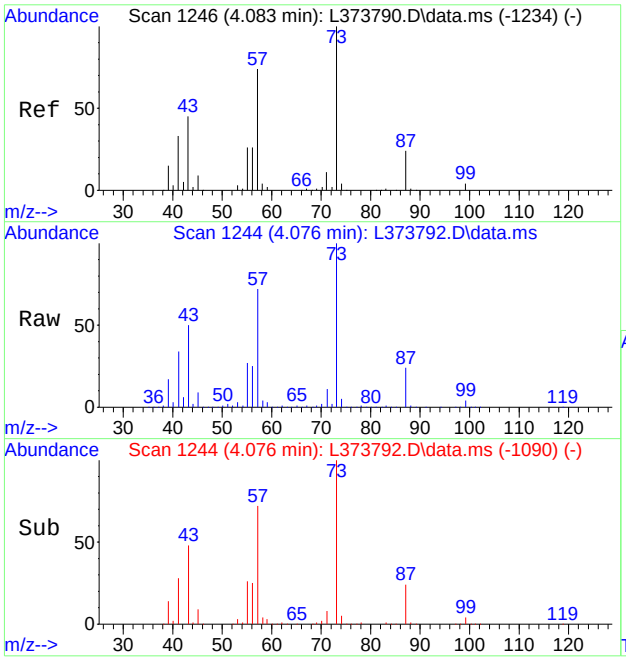


#50
tert amyl alcohol
Concen: 893.55 ug/L
RT: 3.986 min Scan# 1216
Delta R.T. -0.001 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 55 Resp: 293626

Ion	Ratio	Lower	Upper
55	100		
73	150.1	119.2	159.2
59	267.9	242.0	282.0

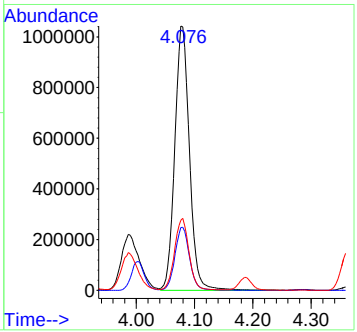


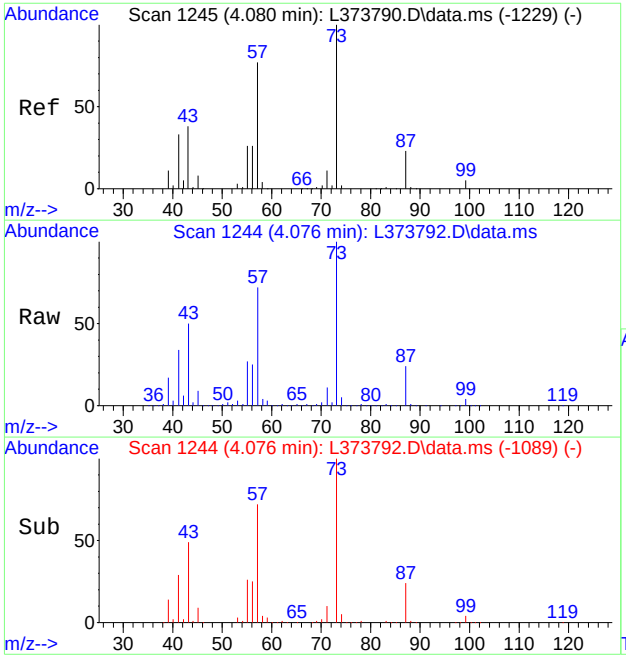


#53
tert-amyl methyl ether
Concen: 205.56 ug/L
RT: 4.076 min Scan# 1244
Delta R.T. -0.007 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 73 Resp: 1824195

Ion	Ratio	Lower	Upper
73	100		
87	23.7	4.6	44.6
55	26.4	5.7	45.7

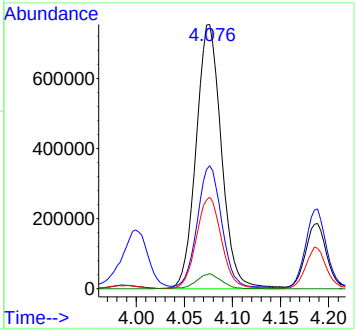


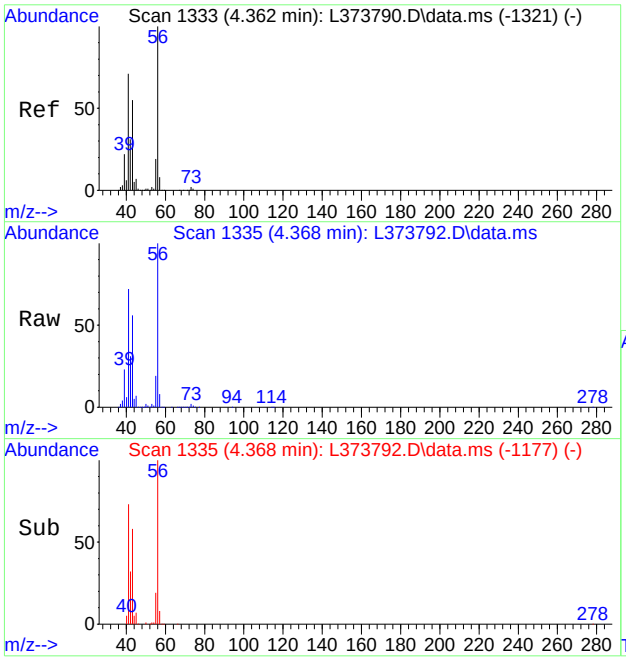


#54
2,2,4-trimethylpentane
Concen: 209.20 ug/L
RT: 4.076 min Scan# 1244
Delta R.T. -0.004 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 57 Resp: 1381705

Ion	Ratio	Lower	Upper
57	100		
41	46.1	25.1	65.1
56	34.6	13.8	53.8
99	5.7	0.0	25.9

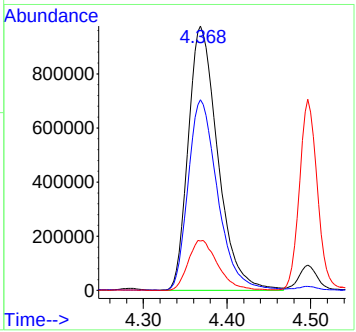


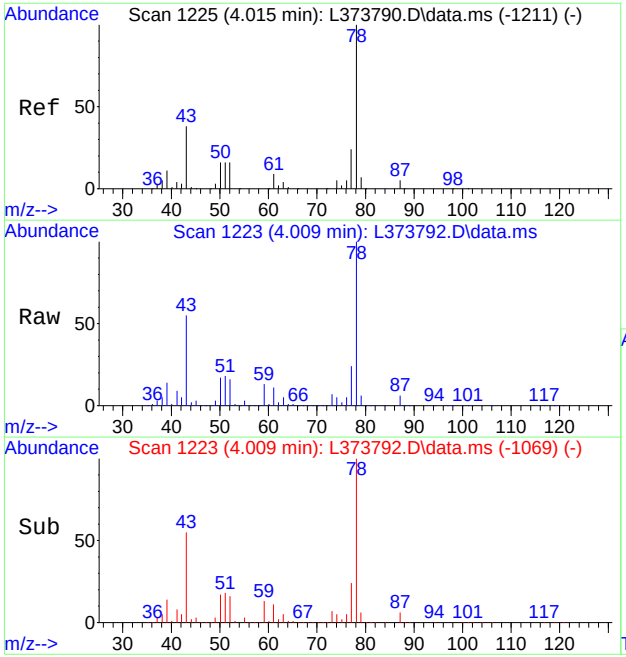


#55
n-butyl alcohol
Concen: 9170.27 ug/L
RT: 4.368 min Scan# 1335
Delta R.T. 0.006 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 56 Resp: 2391785

Ion	Ratio	Lower	Upper
56	100		
41	72.1	40.6	100.6
55	18.7	0.0	49.1

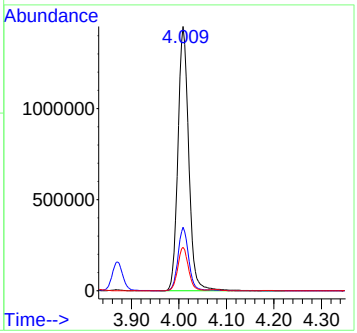


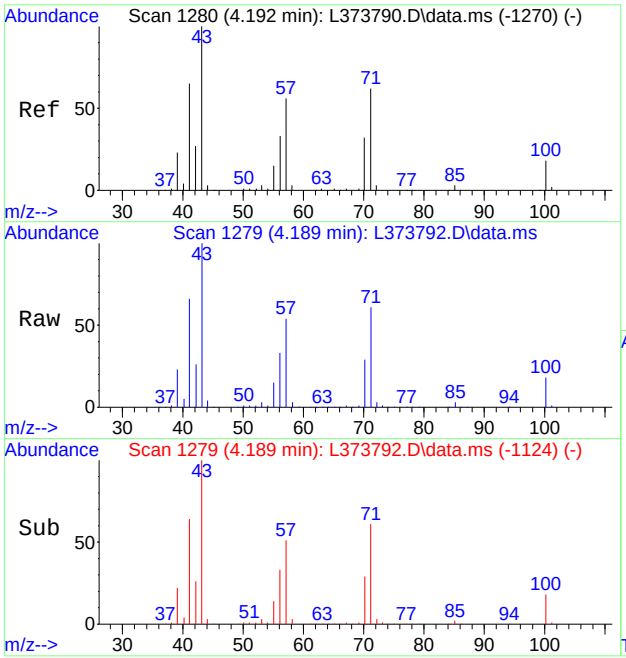


#56
benzene
Concen: 192.35 ug/L
RT: 4.009 min Scan# 1223
Delta R.T. -0.006 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 78 Resp: 2281932

Ion	Ratio	Lower	Upper
78	100		
77	24.1	0.0	53.5
52	16.4	0.0	46.2

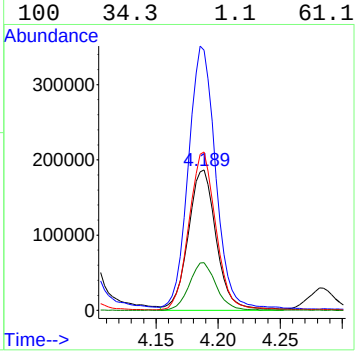


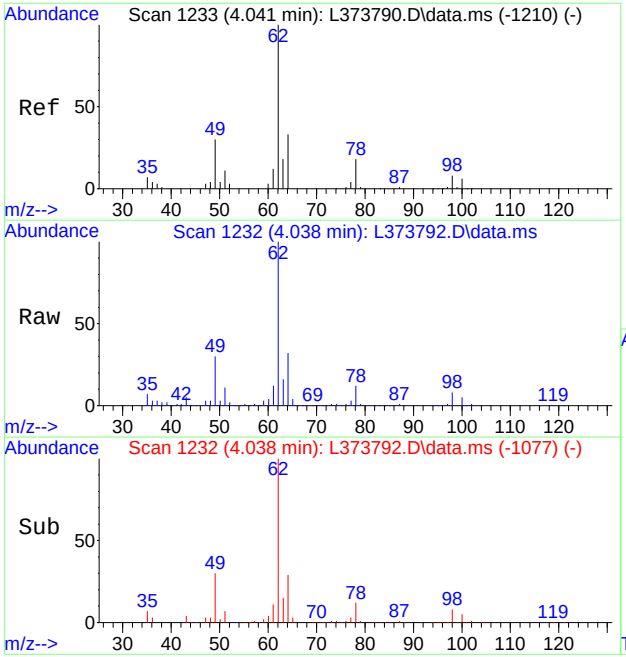


#57
heptane
Concen: 210.07 ug/L
RT: 4.189 min Scan# 1279
Delta R.T. -0.003 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 57 Resp: 294128

Ion	Ratio	Lower	Upper
57	100		
43	185.5	146.8	206.8
71	113.5	78.5	138.5
100	34.3	1.1	61.1

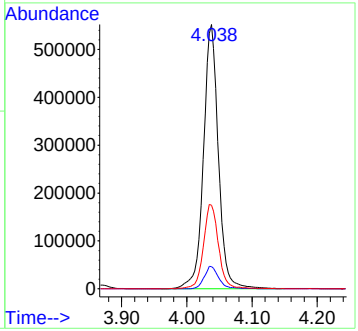


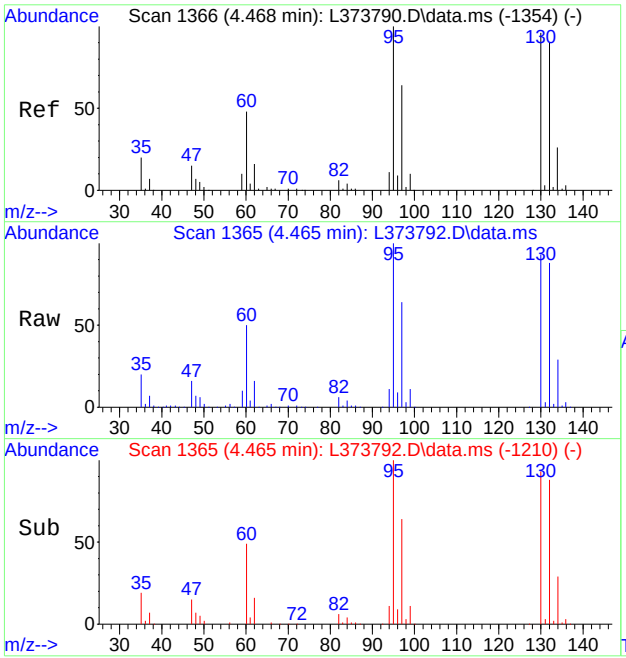


#58
1,2-dichloroethane
Concen: 195.17 ug/L
RT: 4.038 min Scan# 1232
Delta R.T. -0.003 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 62 Resp: 881368

Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	38.1
64	31.6	2.8	62.8

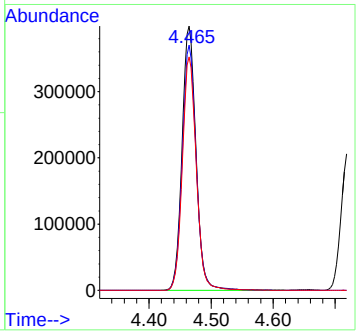


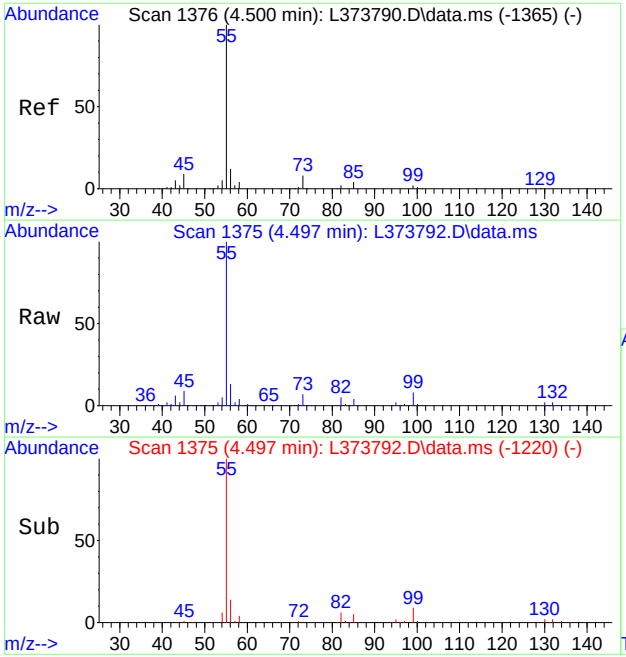


#59
trichloroethene
Concen: 208.83 ug/L
RT: 4.465 min Scan# 1365
Delta R.T. -0.003 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 95 Resp: 623736

Ion	Ratio	Lower	Upper
95	100		
130	92.7	65.5	125.5
132	88.3	59.7	119.7

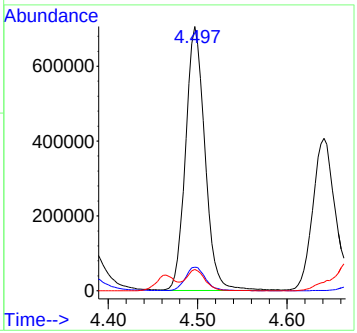


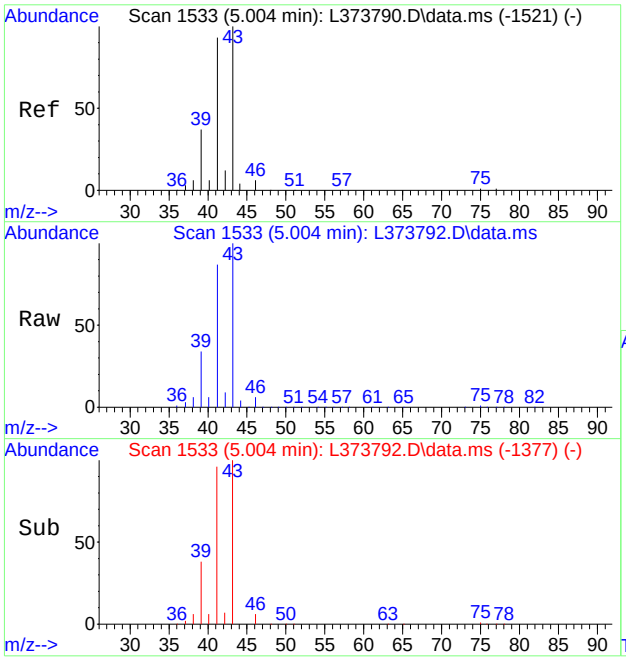


#60
ethyl acrylate
Concen: 198.27 ug/L
RT: 4.497 min Scan# 1375
Delta R.T. -0.003 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 55 Resp: 1059883

Ion	Ratio	Lower	Upper
55	100		
45	8.9	0.0	28.6
99	8.1	0.0	27.8

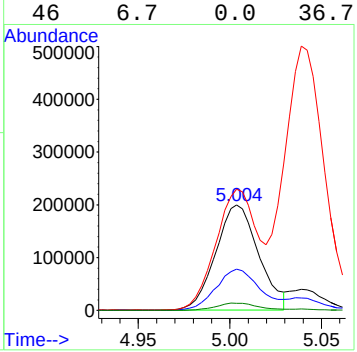


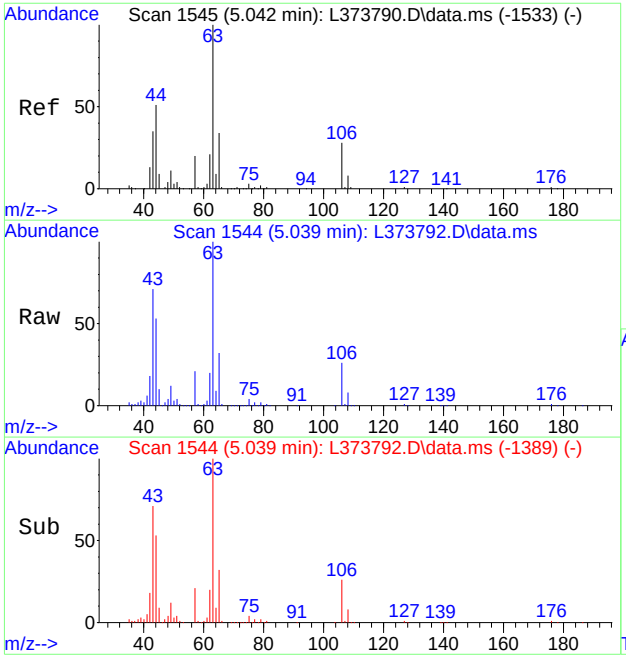


#61
2-nitropropane
Concen: 205.94 ug/L
RT: 5.004 min Scan# 1533
Delta R.T. -0.000 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 41 Resp: 326659

Ion	Ratio	Lower	Upper
41	100		
39	39.1	10.0	70.0
43	114.6	77.9	137.9
46	6.7	0.0	36.7

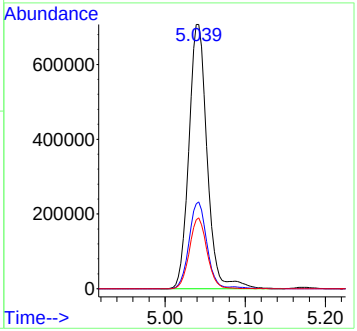


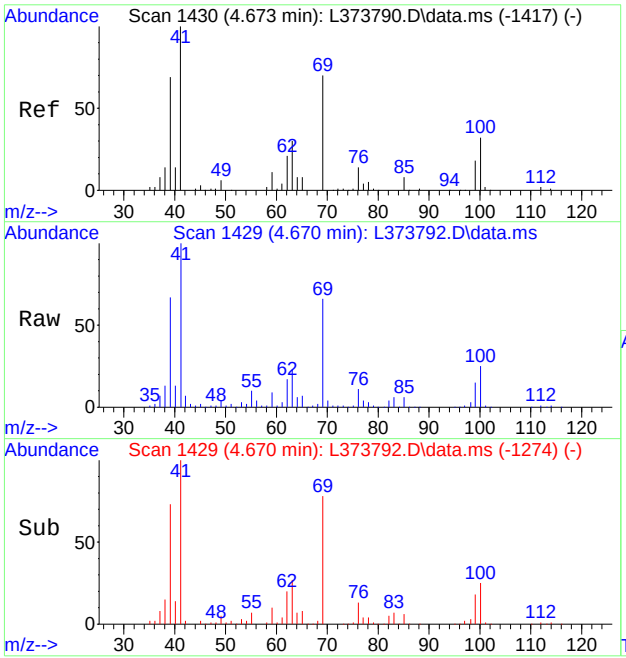


#62
2-chloroethyl vinyl ether
Concen: 1091.59 ug/L
RT: 5.039 min Scan# 1544
Delta R.T. -0.003 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 63 Resp: 1121167

Ion	Ratio	Lower	Upper
63	100		
65	32.1	3.9	63.9
106	26.1	0.0	57.6

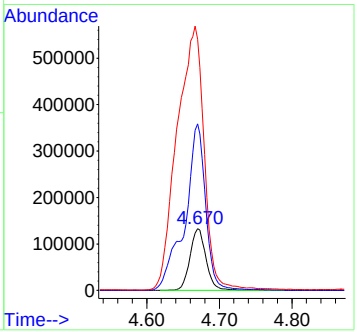


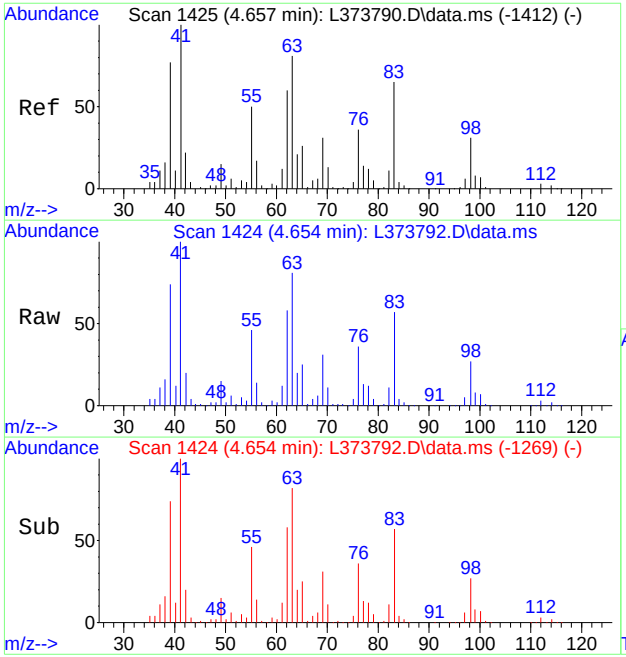


#63
methyl methacrylate
Concen: 207.45 ug/L
RT: 4.670 min Scan# 1429
Delta R.T. -0.003 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion:100 Resp: 205407

Ion	Ratio	Lower	Upper
100	100		
69	269.1	221.2	281.2
41	404.1	360.4	420.4

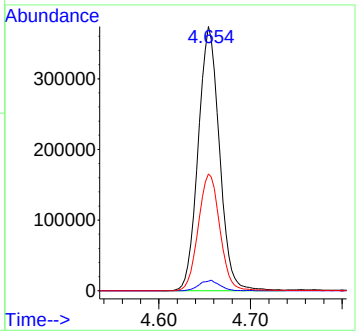


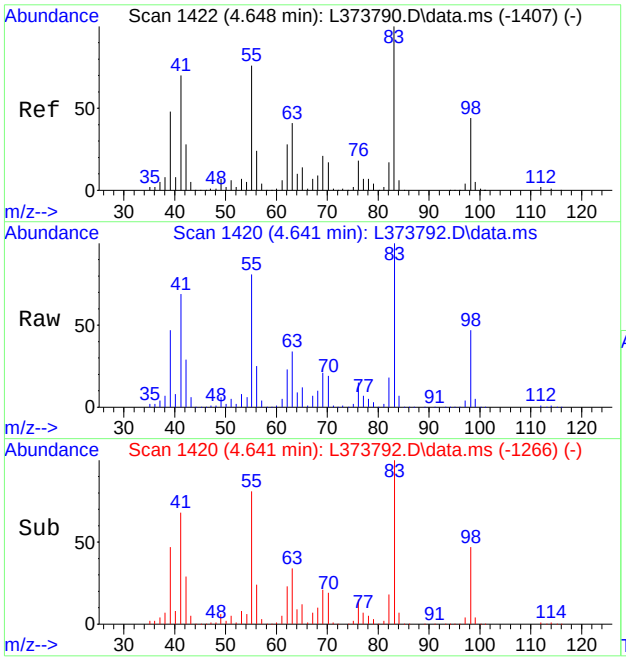


#64
1,2-dichloropropane
Concen: 199.27 ug/L
RT: 4.654 min Scan# 1424
Delta R.T. -0.003 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 63 Resp: 603429

Ion	Ratio	Lower	Upper
63	100		
112	3.6	0.0	34.1
76	44.2	14.3	74.3

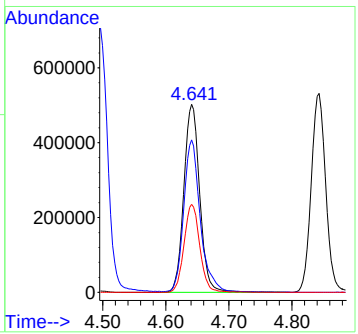


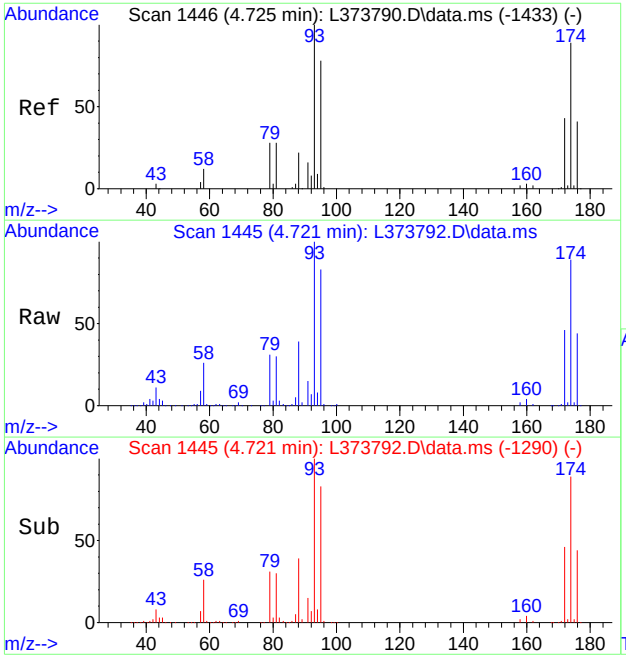


#65
methylcyclohexane
Concen: 214.67 ug/L
RT: 4.641 min Scan# 1420
Delta R.T. -0.007 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 83 Resp: 878953

Ion	Ratio	Lower	Upper
83	100		
55	81.0	46.3	106.3
98	46.8	13.7	73.7

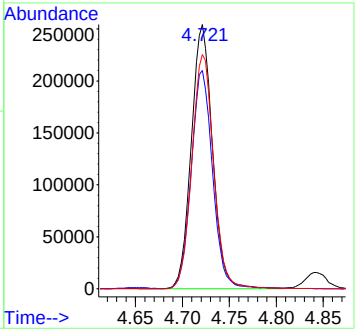


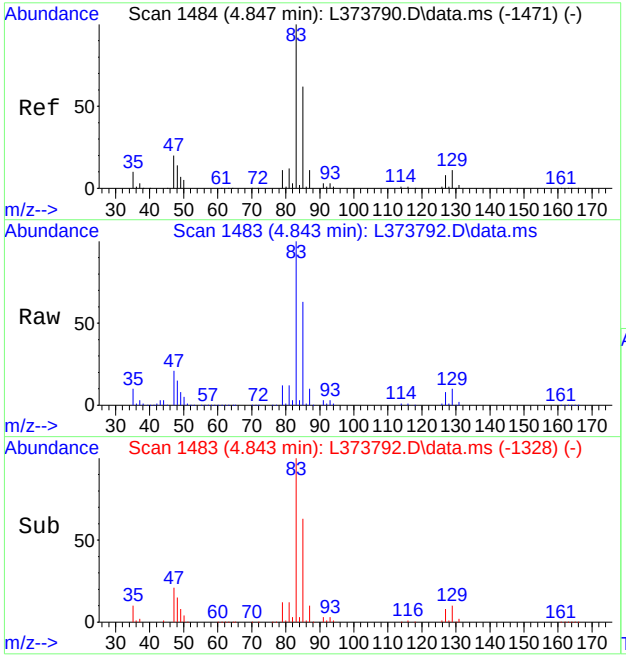


#66
dibromomethane
Concen: 192.36 ug/L
RT: 4.721 min Scan# 1445
Delta R.T. -0.004 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 93 Resp: 401334

Ion	Ratio	Lower	Upper
93	100		
95	82.5	48.3	108.3
174	88.6	59.2	119.2

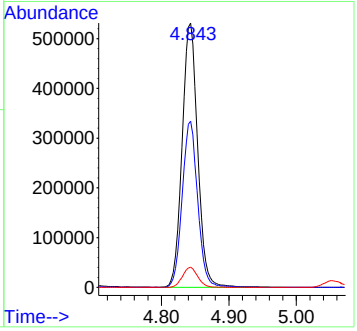


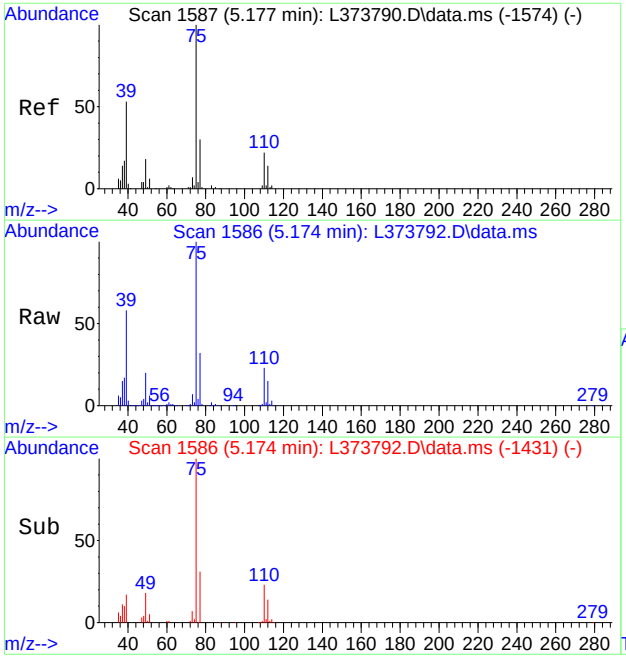


#67
bromodichloromethane
Concen: 197.61 ug/L
RT: 4.843 min Scan# 1483
Delta R.T. -0.004 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 83 Resp: 854016

Ion	Ratio	Lower	Upper
83	100		
85	62.9	31.5	91.5
127	7.6	0.0	38.3

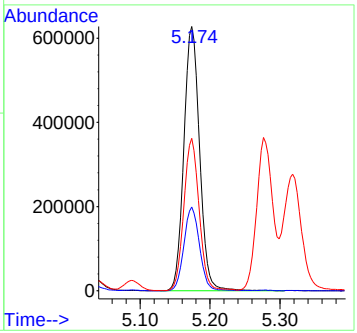


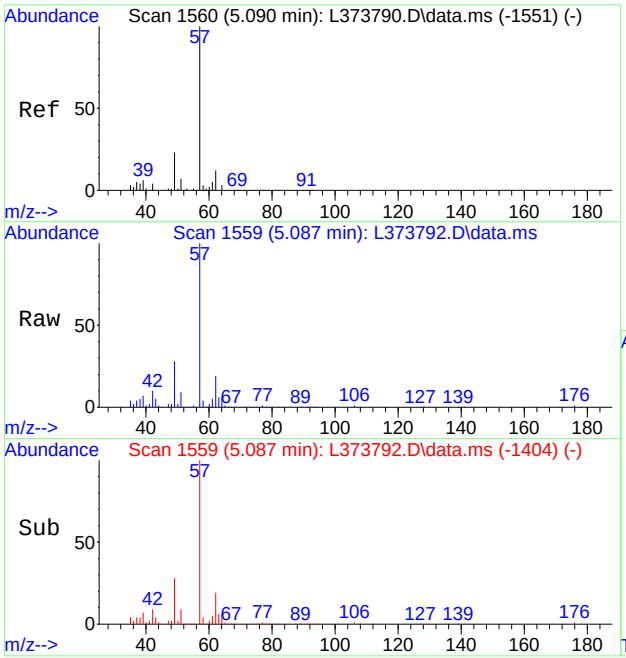


#68
cis-1,3-dichloropropene
Concen: 202.77 ug/L
RT: 5.174 min Scan# 1586
Delta R.T. -0.003 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 75 Resp: 982325

Ion	Ratio	Lower	Upper
75	100		
77	31.7	0.1	60.1
39	57.5	23.1	83.1

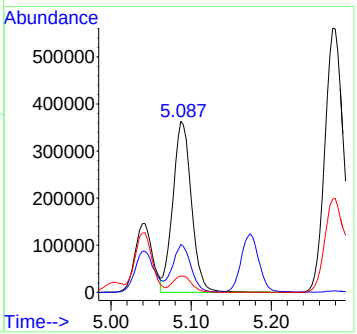


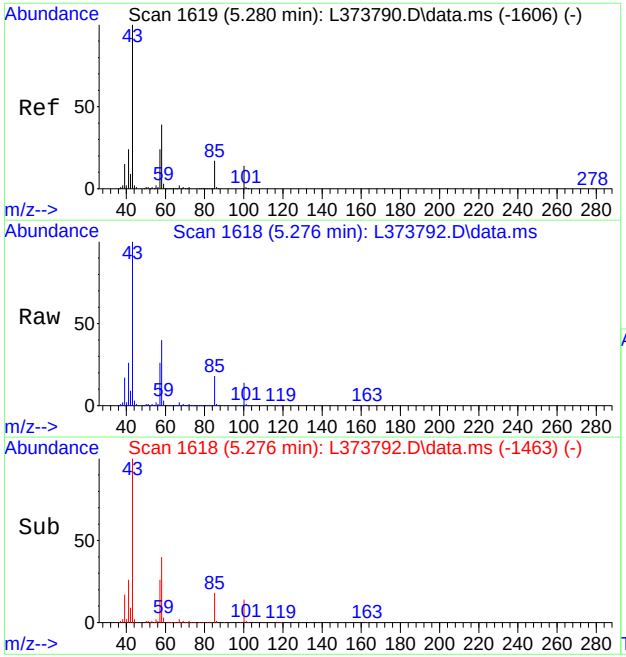


#69
epichlorohydrin
Concen: 950.27 ug/L
RT: 5.087 min Scan# 1559
Delta R.T. -0.003 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 57 Resp: 586835

Ion	Ratio	Lower	Upper
57	100		
49	27.5	1.0	41.0
42	9.6	0.0	29.5

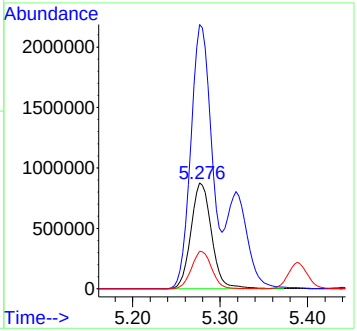


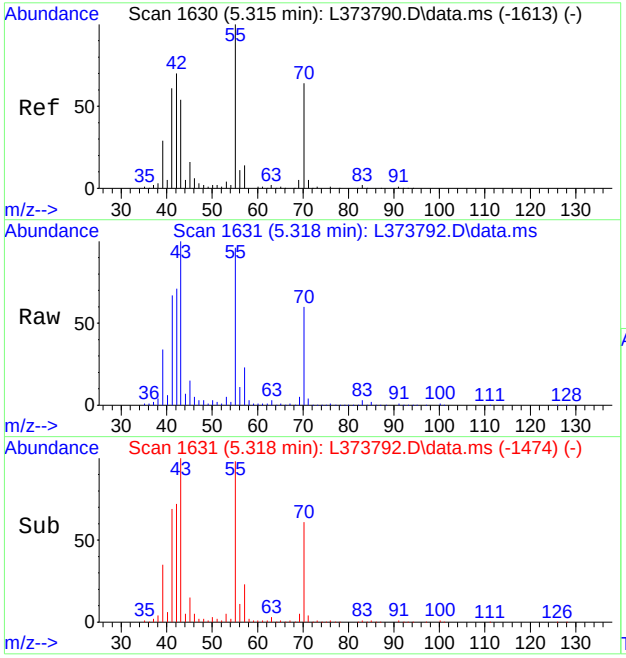


#70
4-methyl-2-pentanone
Concen: 756.65 ug/L
RT: 5.276 min Scan# 1618
Delta R.T. -0.004 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 58 Resp: 1440541

Ion	Ratio	Lower	Upper
58	100		
43	249.6	233.3	273.3
100	35.5	15.2	55.2

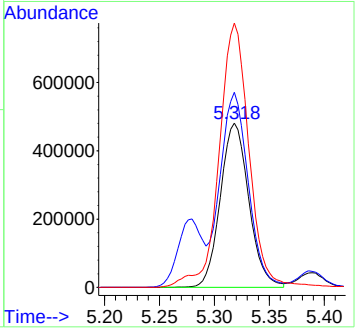


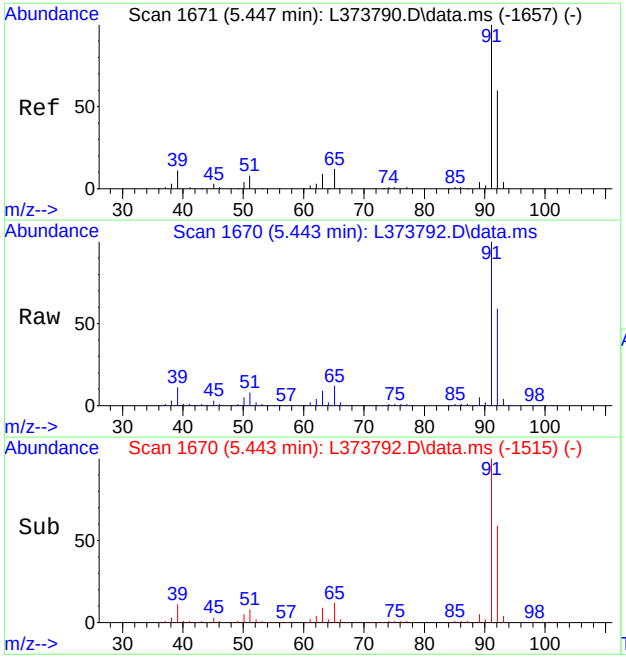


#71
3-methyl-1-butanol
Concen: 3562.77 ug/L
RT: 5.318 min Scan# 1631
Delta R.T. 0.003 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 70 Resp: 868238

Ion	Ratio	Lower	Upper
70	100		
42	117.4	94.2	134.2
55	160.8	137.5	177.5

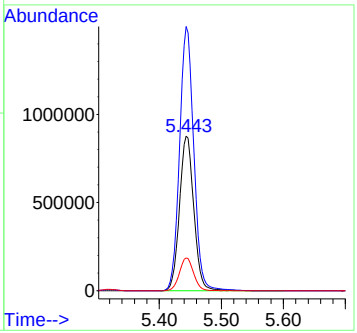


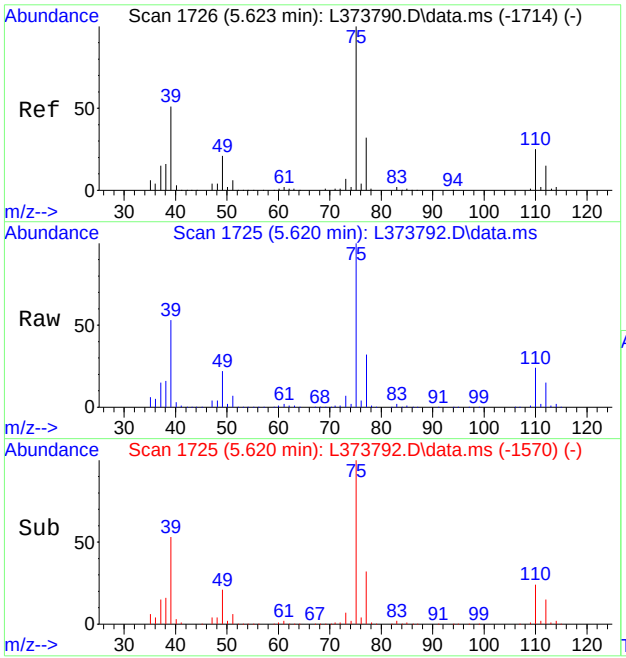


#74
toluene
Concen: 193.61 ug/L
RT: 5.443 min Scan# 1670
Delta R.T. -0.004 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 92 Resp: 1408996

Ion	Ratio	Lower	Upper
92	100		
91	170.8	136.7	196.7
65	21.2	0.0	50.8

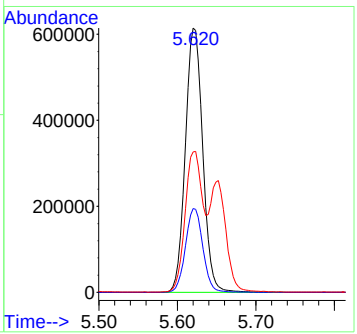


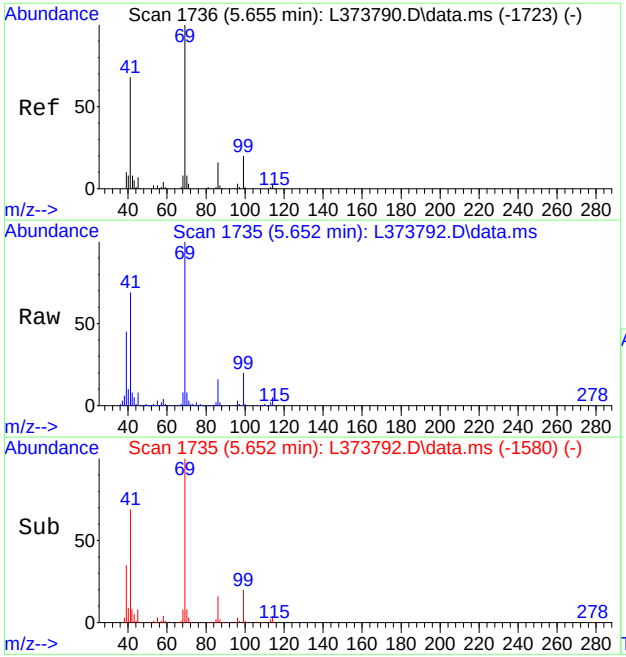


#75
trans-1,3-dichloropropene
Concen: 208.51 ug/L
RT: 5.620 min Scan# 1725
Delta R.T. -0.003 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 75 Resp: 946122

Ion	Ratio	Lower	Upper
75	100		
77	31.7	1.7	61.7
39	53.0	20.7	80.7

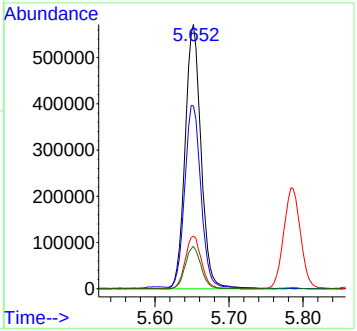


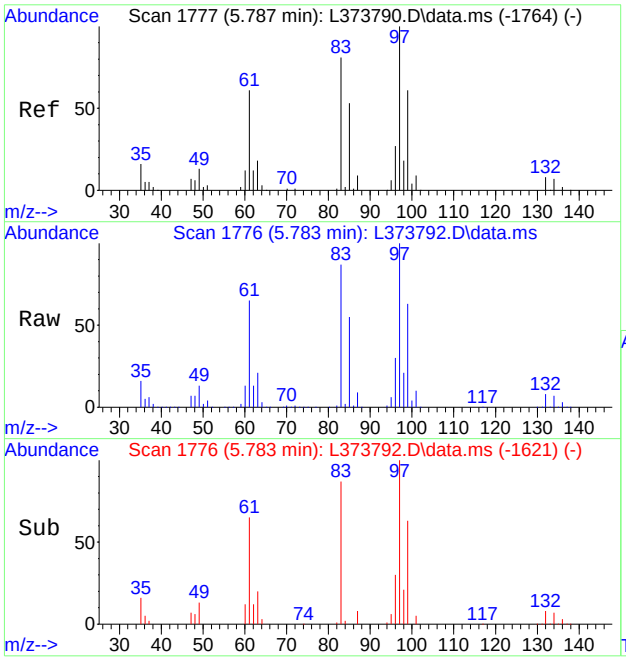


#76
ethyl methacrylate
Concen: 185.52 ug/L
RT: 5.652 min Scan# 1735
Delta R.T. -0.003 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 69 Resp: 850531

Ion	Ratio	Lower	Upper
69	100		
41	69.2	38.9	98.9
99	20.0	0.0	50.4
86	16.2	0.0	45.9

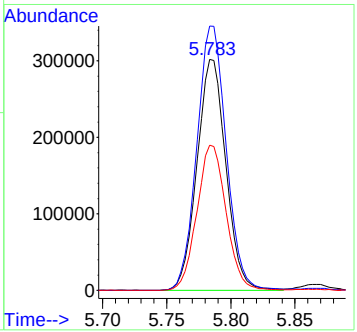


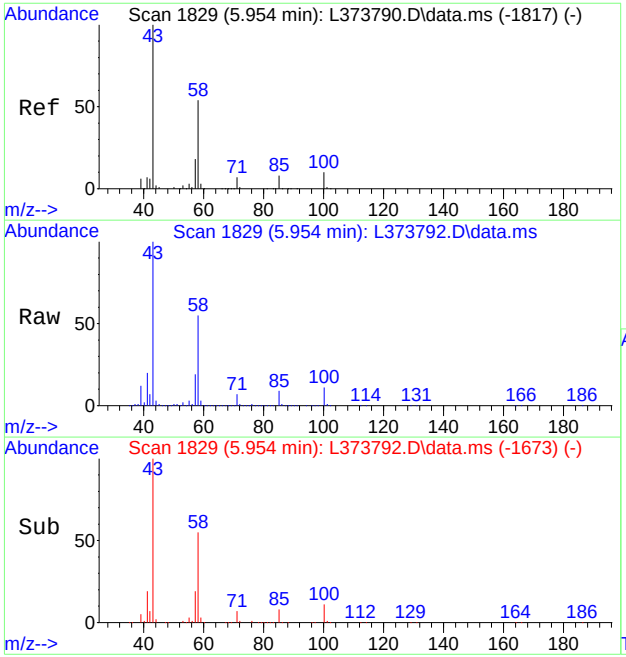


#77
1,1,2-trichloroethane
Concen: 196.69 ug/L
RT: 5.783 min Scan# 1776
Delta R.T. -0.004 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 83 Resp: 474587

Ion	Ratio	Lower	Upper
83	100		
97	114.4	93.6	153.6
85	62.9	35.4	95.4

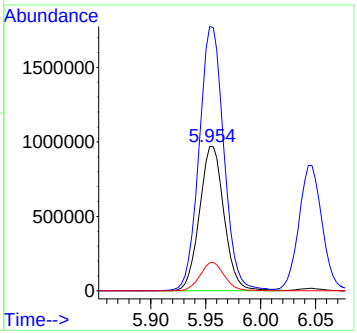


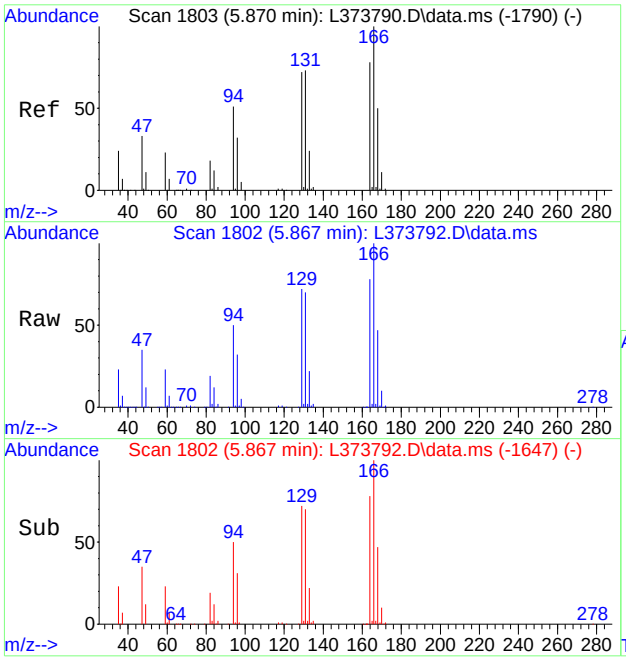


#78
2-hexanone
Concen: 727.10 ug/L
RT: 5.954 min Scan# 1829
Delta R.T. -0.000 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 58 Resp: 1503719

Ion	Ratio	Lower	Upper
58	100		
43	183.0	154.6	214.6
100	19.5	0.0	49.0

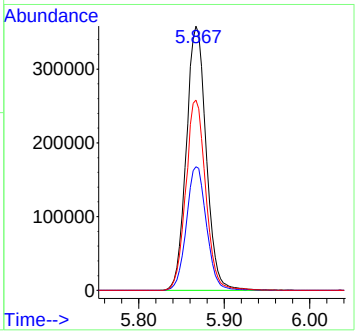


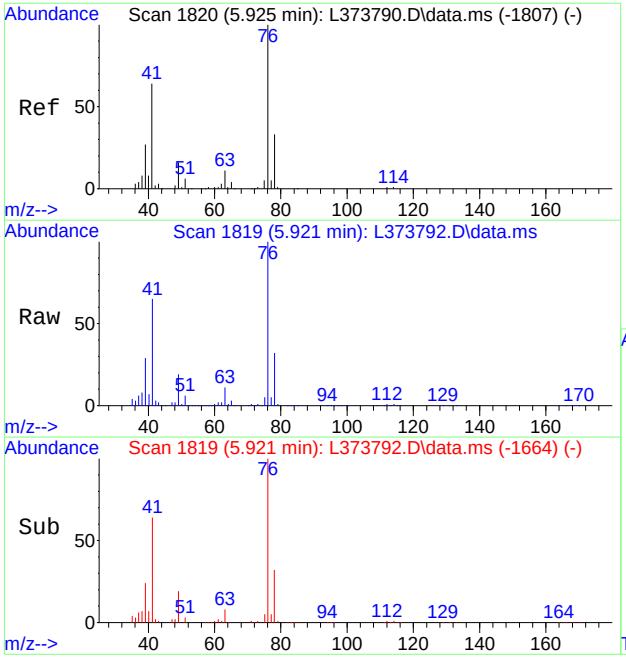


#79
tetrachloroethene
Concen: 198.30 ug/L
RT: 5.867 min Scan# 1802
Delta R.T. -0.003 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion:166 Resp: 579662

Ion	Ratio	Lower	Upper
166	100		
168	46.7	19.7	79.7
129	72.0	42.4	102.4

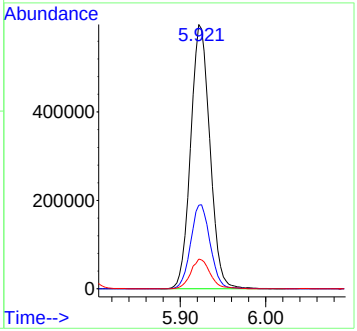


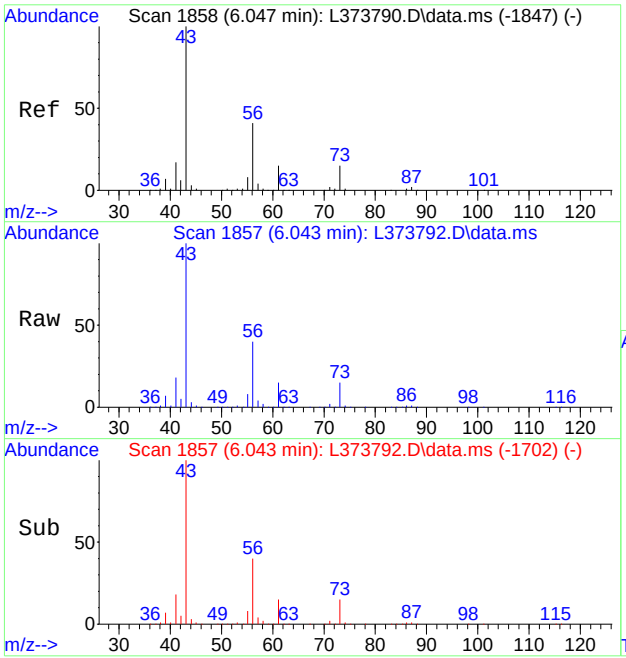


#80
1,3-dichloropropane
Concen: 200.85 ug/L
RT: 5.921 min Scan# 1819
Delta R.T. -0.004 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 76 Resp: 933966

Ion	Ratio	Lower	Upper
76	100		
78	31.7	2.7	62.7
63	11.2	0.0	41.2

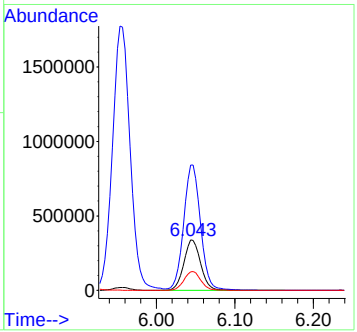


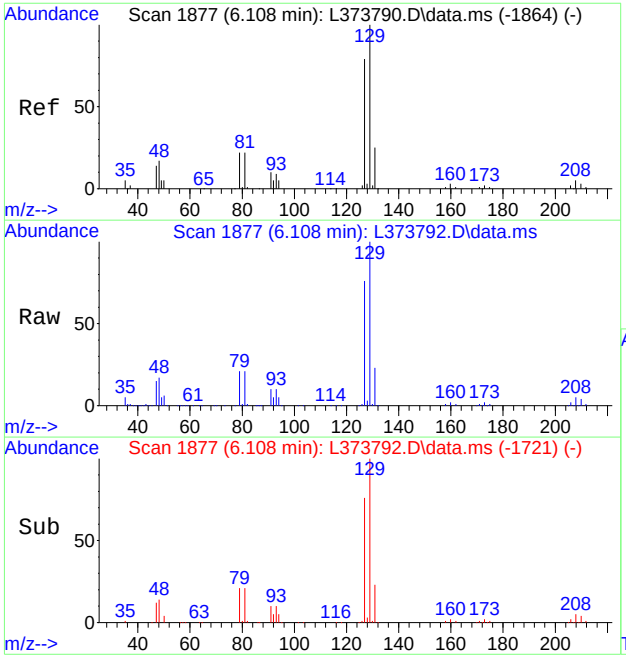


#81
butyl acetate
Concen: 185.00 ug/L
RT: 6.043 min Scan# 1857
Delta R.T. -0.004 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 56 Resp: 504149

Ion	Ratio	Lower	Upper
56	100		
43	247.6	218.3	278.3
73	36.8	7.2	67.2

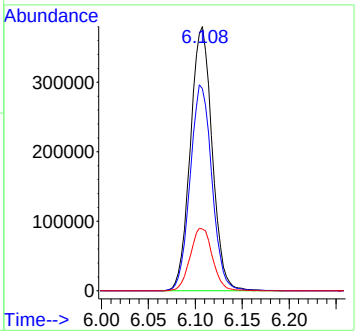


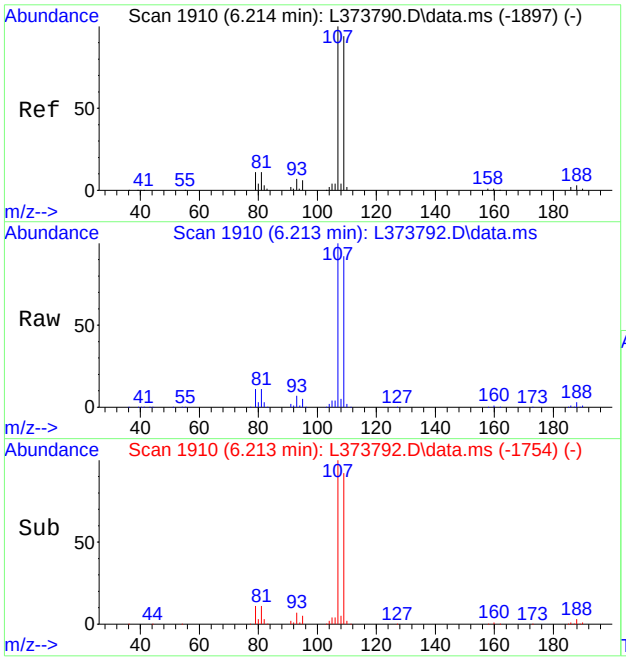


#82
dibromochloromethane
Concen: 197.44 ug/L
RT: 6.108 min Scan# 1877
Delta R.T. -0.000 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion:129 Resp: 614451

Ion	Ratio	Lower	Upper
129	100		
127	76.4	49.0	109.0
131	23.4	0.0	54.6

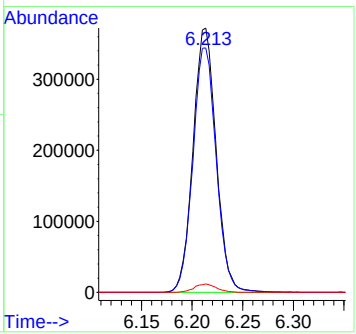


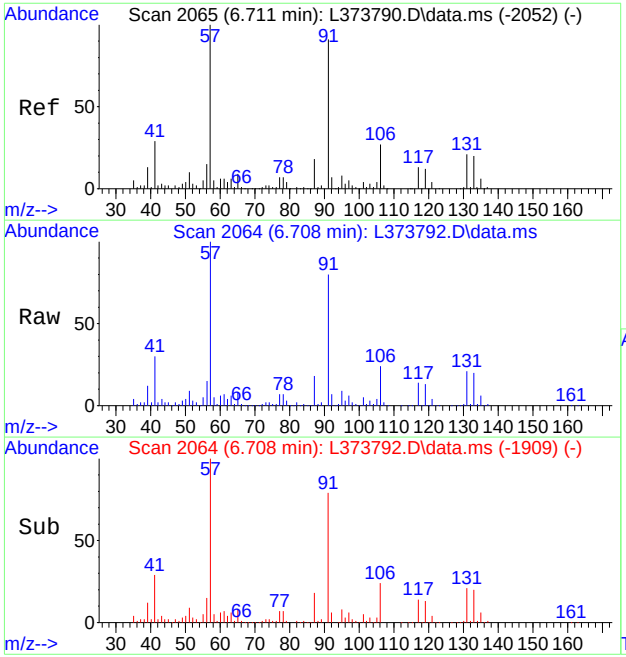


#83
1,2-dibromoethane
Concen: 200.99 ug/L
RT: 6.213 min Scan# 1910
Delta R.T. -0.001 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion:107 Resp: 589203

Ion	Ratio	Lower	Upper
107	100		
109	92.5	63.9	123.9
188	3.2	0.0	33.4

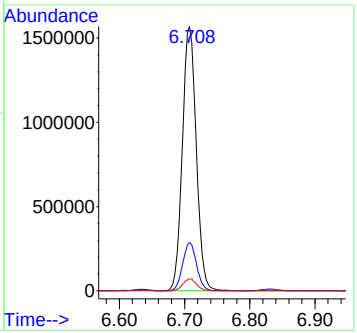


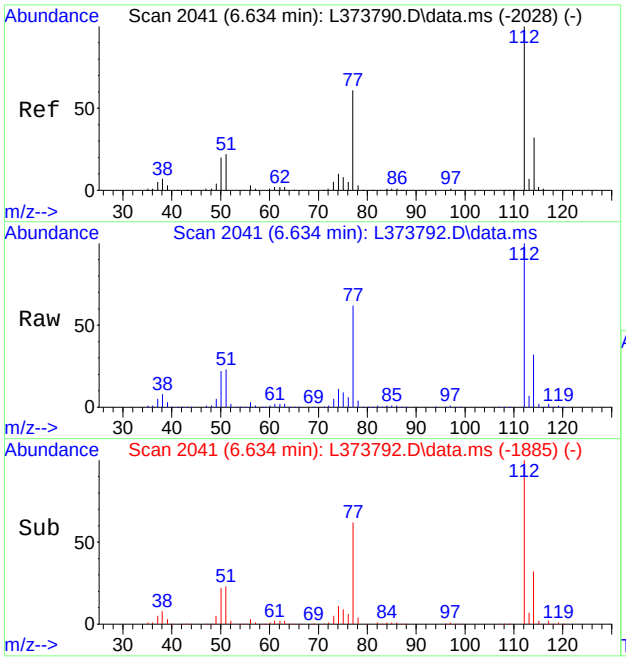


#84
n-butyl ether
Concen: 189.38 ug/L
RT: 6.708 min Scan# 2064
Delta R.T. -0.003 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 57 Resp: 2319921

Ion	Ratio	Lower	Upper
57	100		
87	18.3	0.0	47.8
101	4.5	0.0	34.2

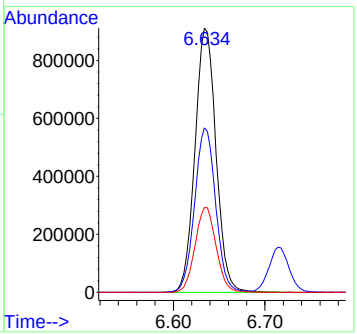


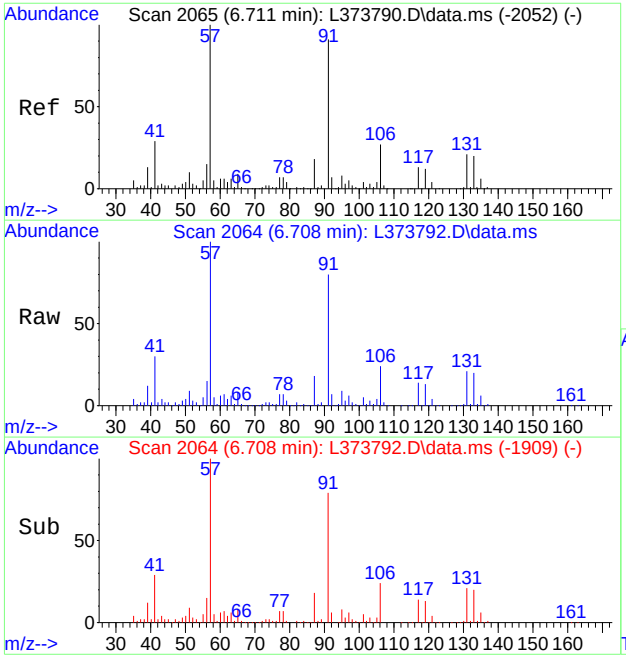


#85
chlorobenzene
Concen: 190.70 ug/L
RT: 6.634 min Scan# 2041
Delta R.T. -0.000 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion:112 Resp: 1457147

Ion	Ratio	Lower	Upper
112	100		
77	62.2	30.8	90.8
114	32.2	2.4	62.4

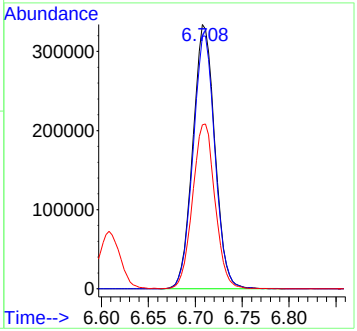


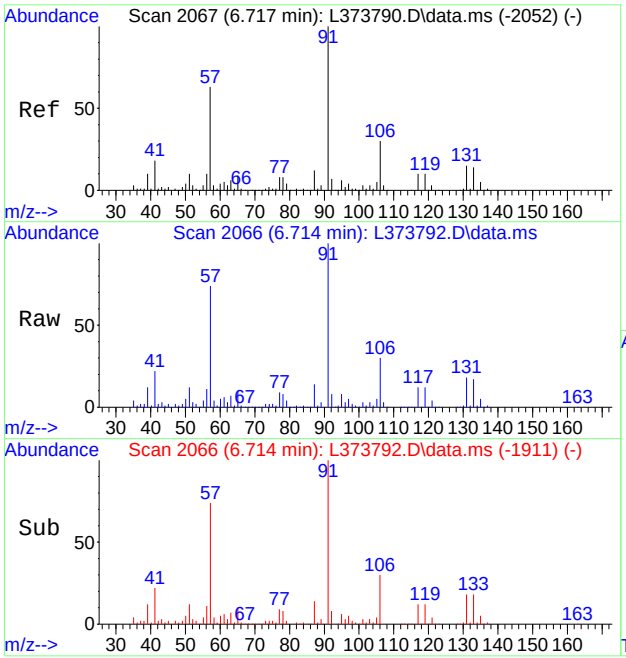


#86
1,1,1,2-tetrachloroethane
Concen: 210.79 ug/L
RT: 6.708 min Scan# 2064
Delta R.T. -0.003 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion:131 Resp: 545052

Ion	Ratio	Lower	Upper
131	100		
133	95.5	65.1	125.1
119	62.0	30.8	90.8

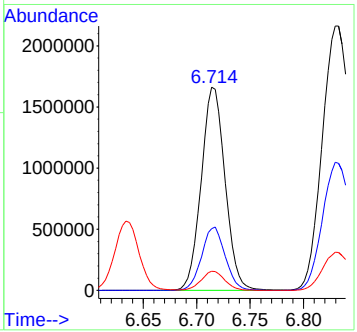


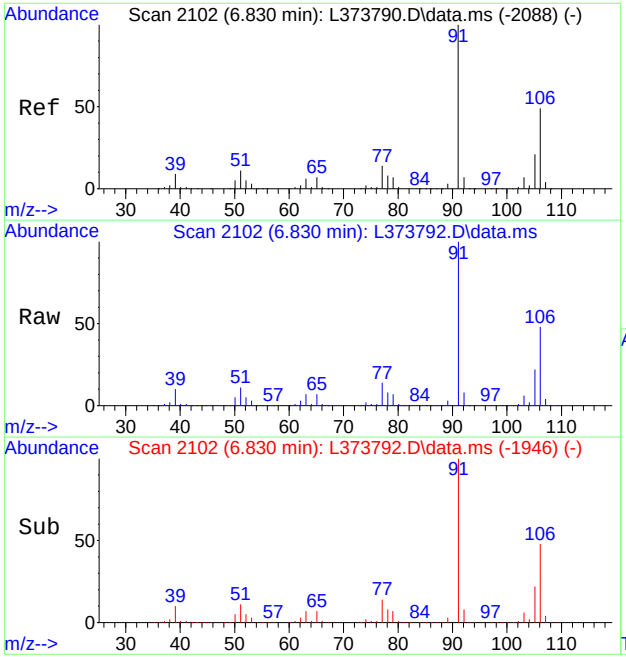


#87
ethylbenzene
Concen: 193.55 ug/L
RT: 6.714 min Scan# 2066
Delta R.T. -0.003 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 91 Resp: 2580263

Ion	Ratio	Lower	Upper
91	100		
106	30.4	0.1	60.1
77	9.4	0.0	38.6

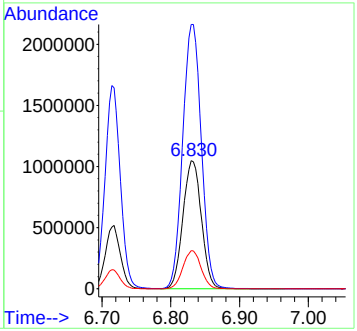


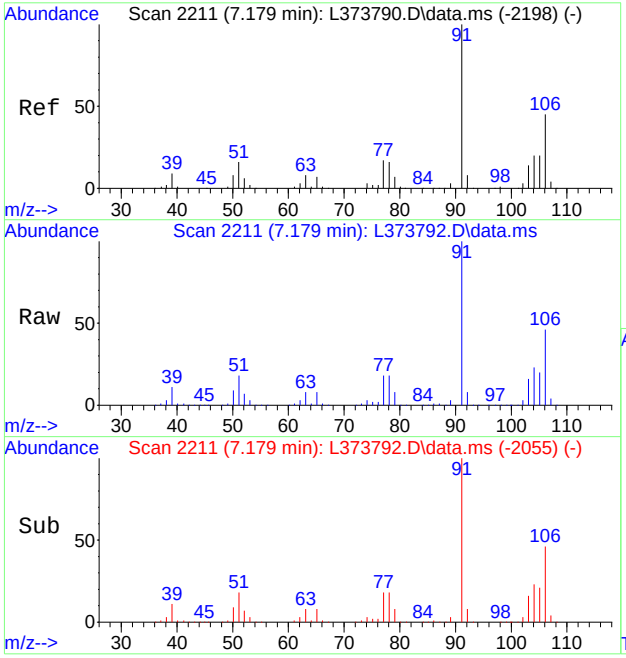


#88
m,p-xylene
Concen: 380.23 ug/L
RT: 6.830 min Scan# 2102
Delta R.T. -0.000 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion:106 Resp: 1952160

Ion	Ratio	Lower	Upper
106	100		
91	206.3	175.7	235.7
77	29.7	8.1	48.1

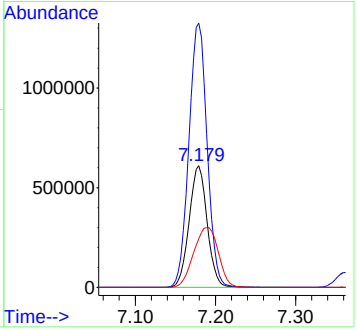


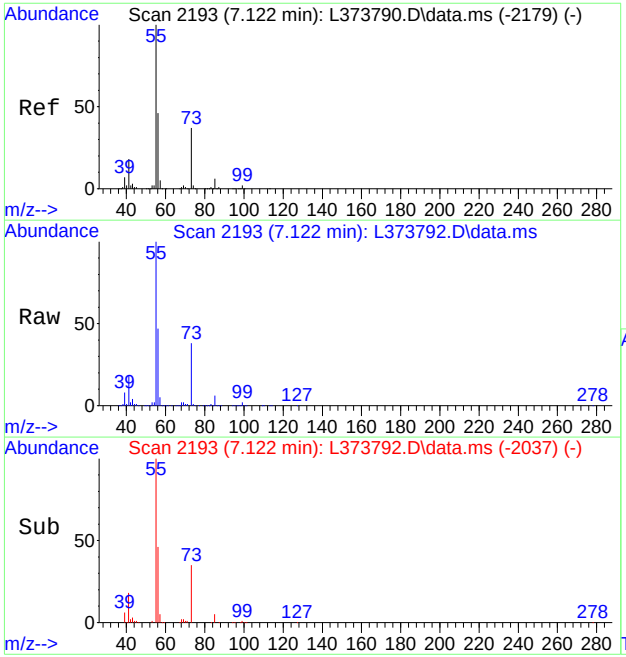


#89
o-xylene
Concen: 189.62 ug/L
RT: 7.179 min Scan# 2211
Delta R.T. 0.000 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion:106 Resp: 951952

Ion	Ratio	Lower	Upper
106	100		
91	217.1	194.5	254.5
77	39.8	18.1	58.1

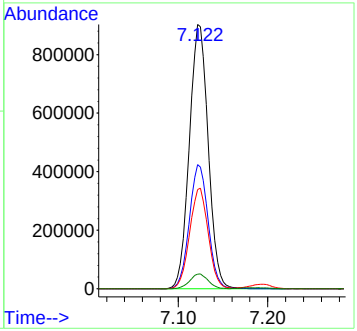


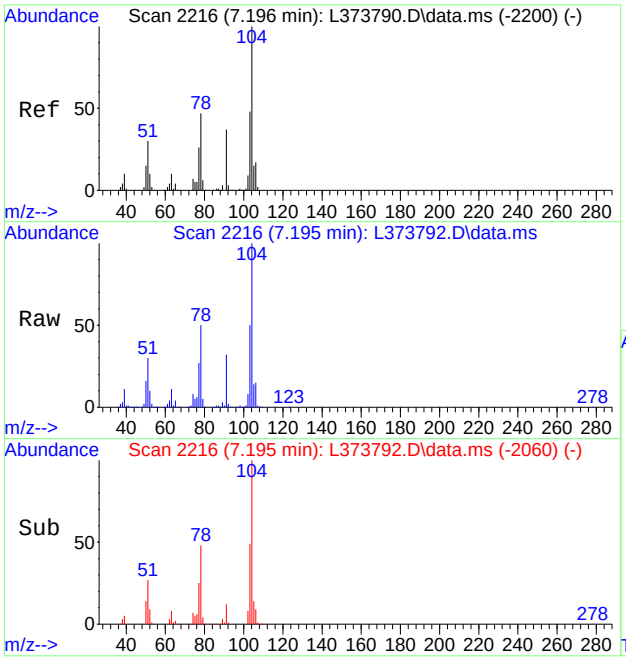


#90
butyl acrylate
Concen: 180.53 ug/L
RT: 7.122 min Scan# 2193
Delta R.T. -0.000 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 55 Resp: 1325718

Ion	Ratio	Lower	Upper
55	100		
56	47.0	26.3	66.3
73	37.6	17.5	57.5
85	5.5	0.0	25.6

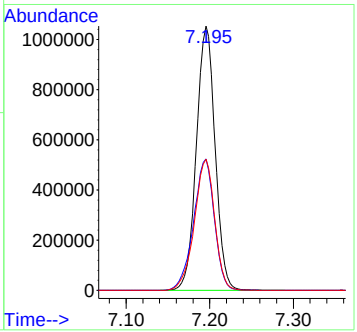


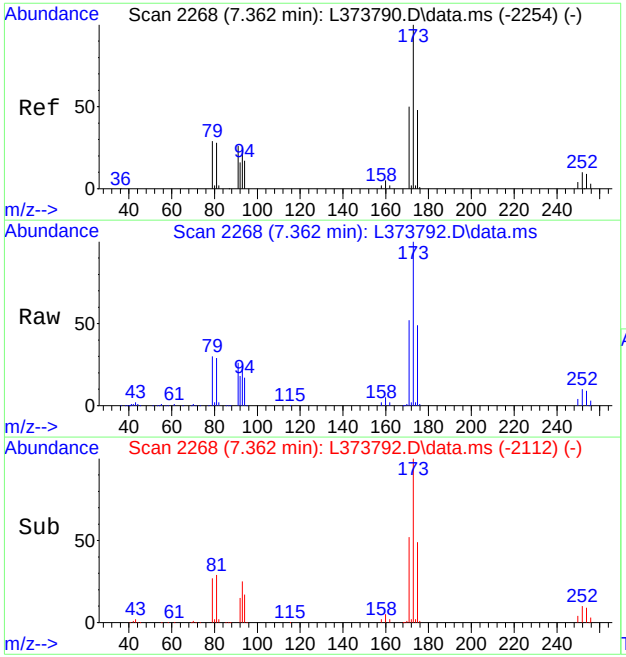


#91
styrene
Concen: 195.03 ug/L
RT: 7.195 min Scan# 2216
Delta R.T. -0.001 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion:104 Resp: 1641668

Ion	Ratio	Lower	Upper
104	100		
78	49.7	16.8	76.8
103	49.6	17.7	77.7

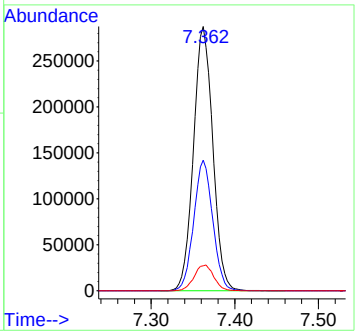


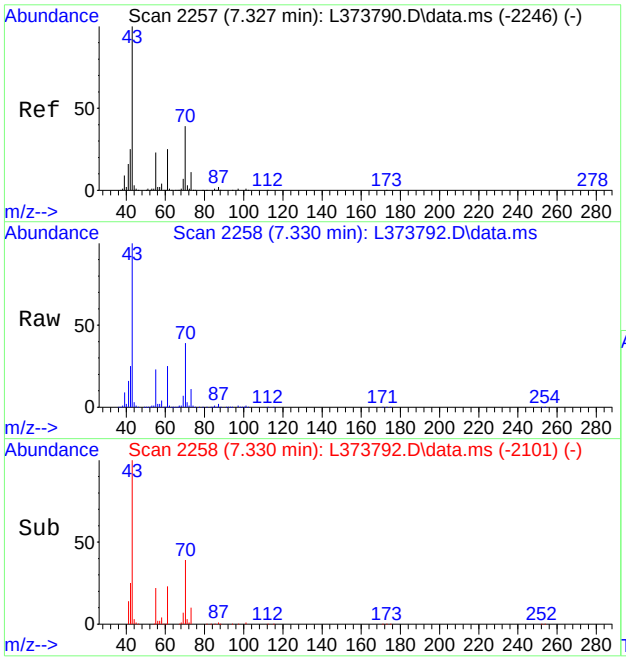


#92
bromoform
Concen: 208.93 ug/L
RT: 7.362 min Scan# 2268
Delta R.T. 0.000 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion:173 Resp: 462086

Ion	Ratio	Lower	Upper
173	100		
175	49.4	17.8	77.8
254	9.5	0.0	39.4

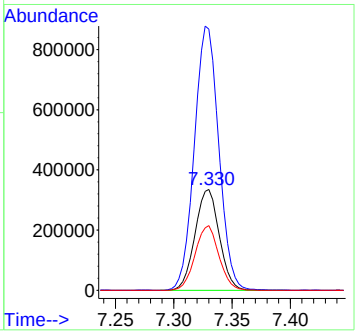


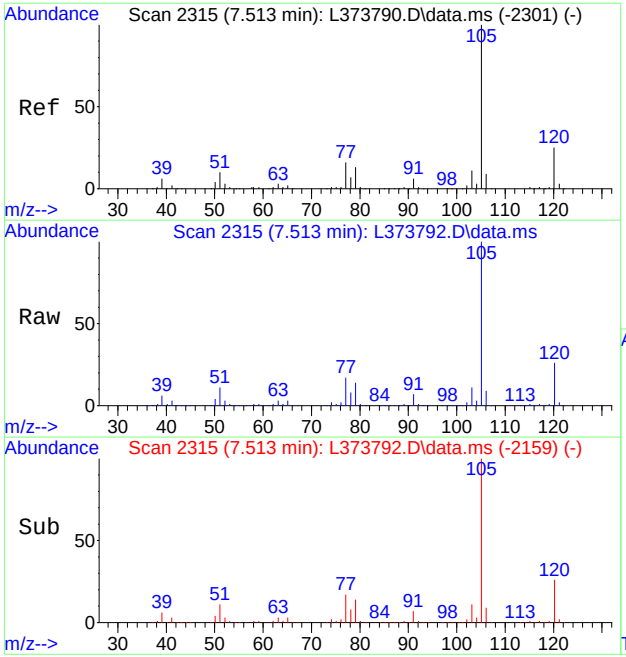


#93
n-amyl acetate
Concen: 177.37 ug/L
RT: 7.330 min Scan# 2258
Delta R.T. 0.003 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 70 Resp: 487433

Ion	Ratio	Lower	Upper
70	100		
43	258.7	233.4	273.4
61	64.2	42.6	82.6

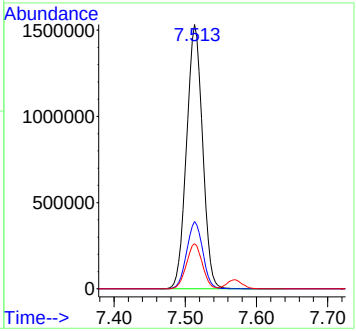


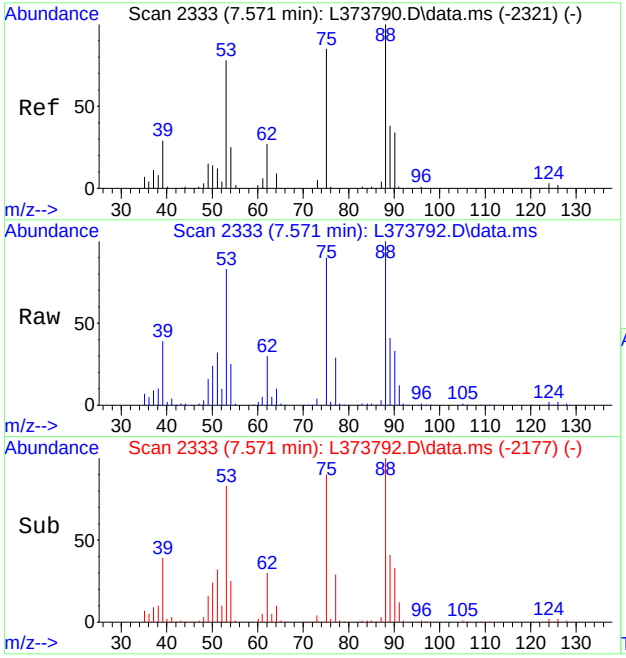


#94
isopropylbenzene
Concen: 197.34 ug/L
RT: 7.513 min Scan# 2315
Delta R.T. 0.000 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion:105 Resp: 2391159

Ion	Ratio	Lower	Upper
105	100		
120	25.5	5.2	45.2
77	17.1	0.0	36.2

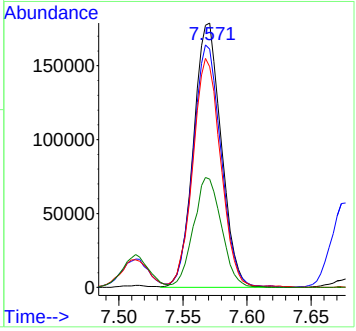


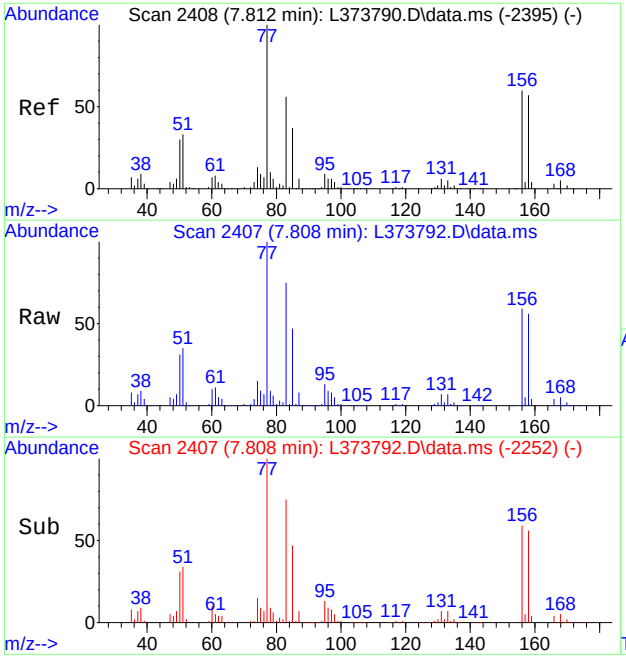


#95
cis-1,4-dichloro-2-butene
Concen: 261.74 ug/L
RT: 7.571 min Scan# 2333
Delta R.T. -0.000 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 88 Resp: 269991

Ion	Ratio	Lower	Upper
88	100		
75	89.8	66.5	106.5
53	83.2	59.7	99.7
89	40.9	20.7	60.7

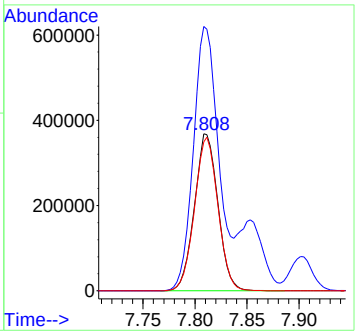


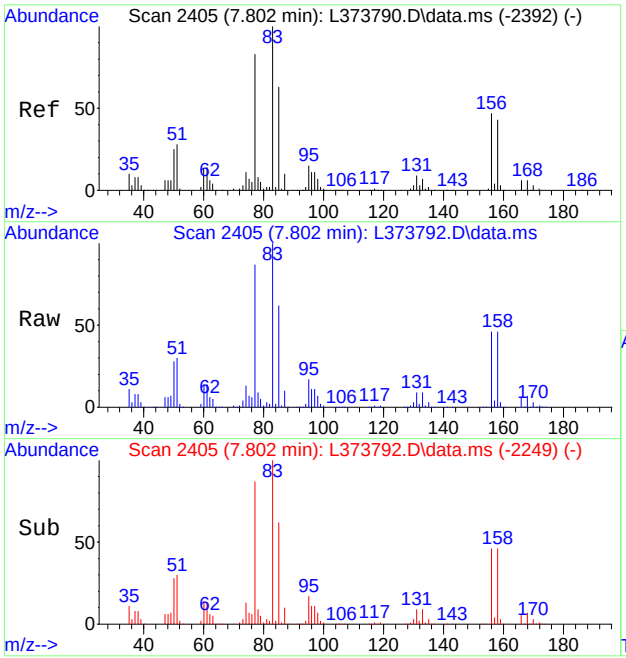


#98
bromobenzene
Concen: 195.59 ug/L
RT: 7.808 min Scan# 2407
Delta R.T. -0.004 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion:156 Resp: 579167

Ion	Ratio	Lower	Upper
156	100		
77	168.5	137.0	197.0
158	94.8	65.5	125.5

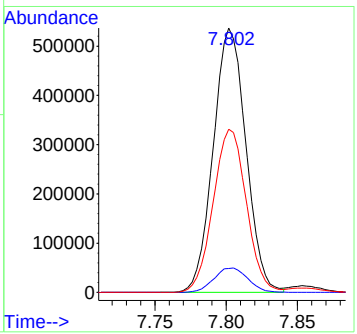


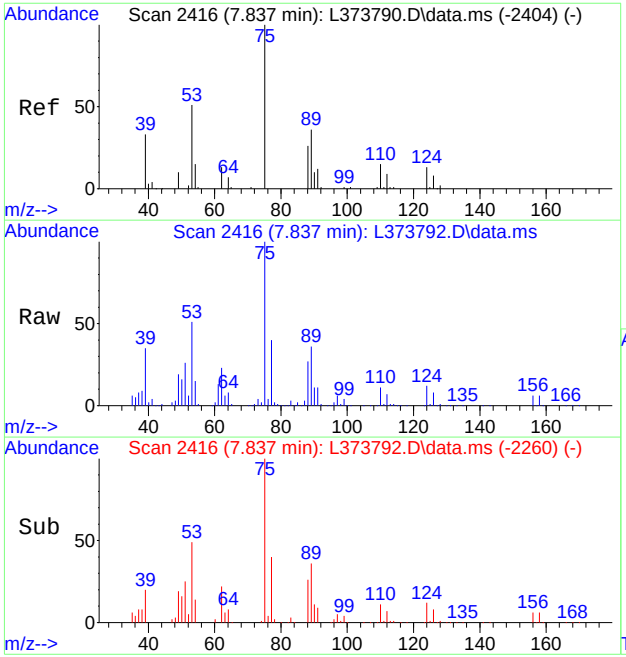


#99
1,1,2,2-tetrachloroethane
Concen: 191.32 ug/L
RT: 7.802 min Scan# 2405
Delta R.T. -0.000 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 83 Resp: 858222

Ion	Ratio	Lower	Upper
83	100		
131	9.0	0.0	38.9
85	61.7	33.3	93.3

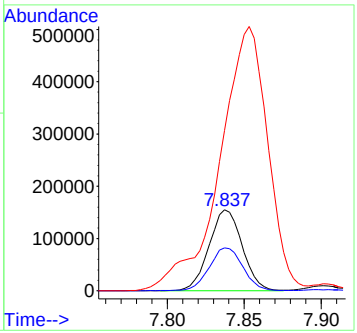


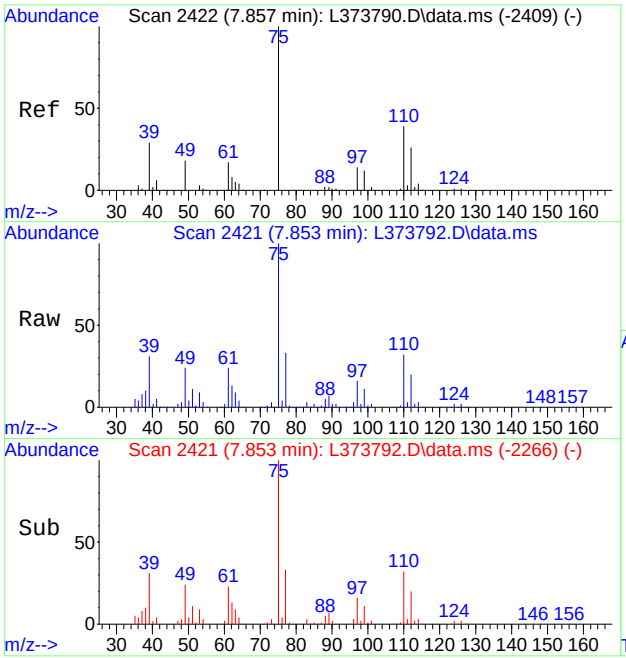


#100
trans-1,4-dichloro-2-butene
Concen: 259.34 ug/L
RT: 7.837 min Scan# 2416
Delta R.T. 0.000 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 53 Resp: 233197

Ion	Ratio	Lower	Upper
53	100		
88	52.6	21.0	81.0
75	184.6	165.8	225.8

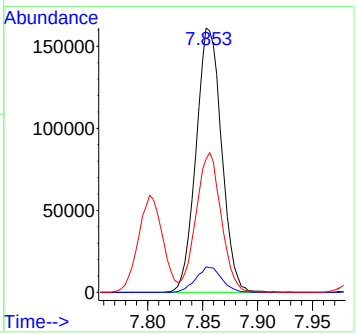


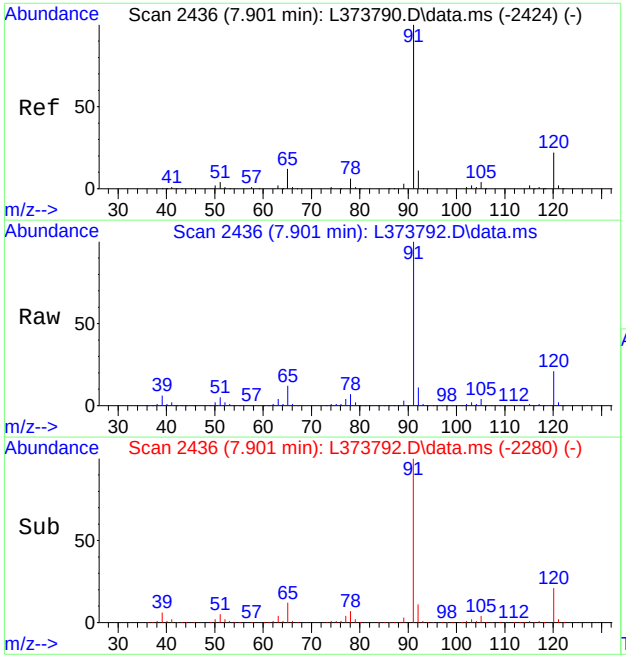


#101
1,2,3-trichloropropane
Concen: 194.17 ug/L
RT: 7.853 min Scan# 2421
Delta R.T. -0.004 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion:110 Resp: 260284

Ion	Ratio	Lower	Upper
110	100		
111	9.7	0.0	38.4
97	50.4	22.5	82.5

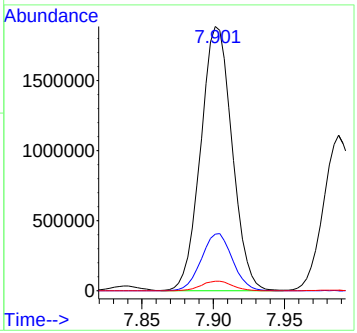


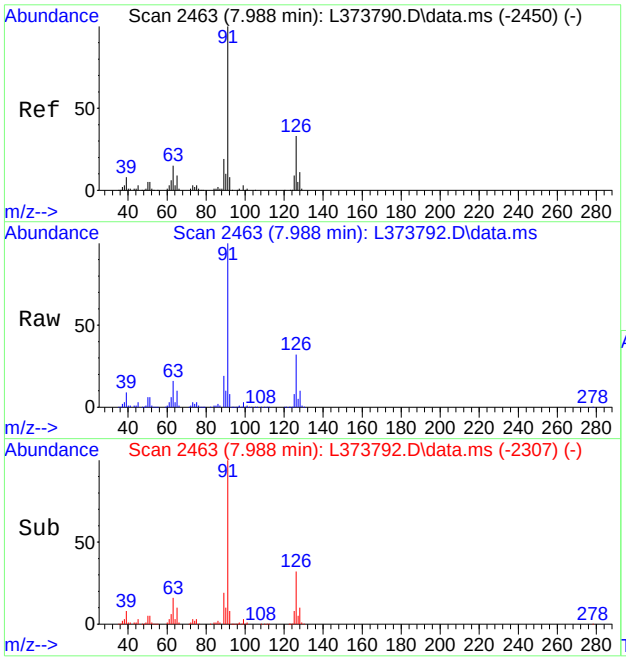


#102
n-propylbenzene
Concen: 202.41 ug/L
RT: 7.901 min Scan# 2436
Delta R.T. 0.000 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 91 Resp: 2896701

Ion	Ratio	Lower	Upper
91	100		
120	21.5	0.0	51.5
105	3.7	0.0	33.7

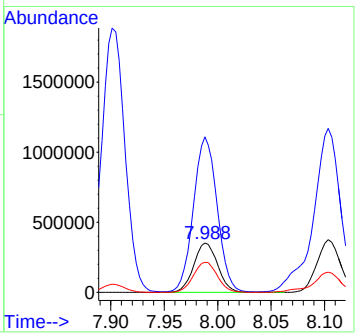


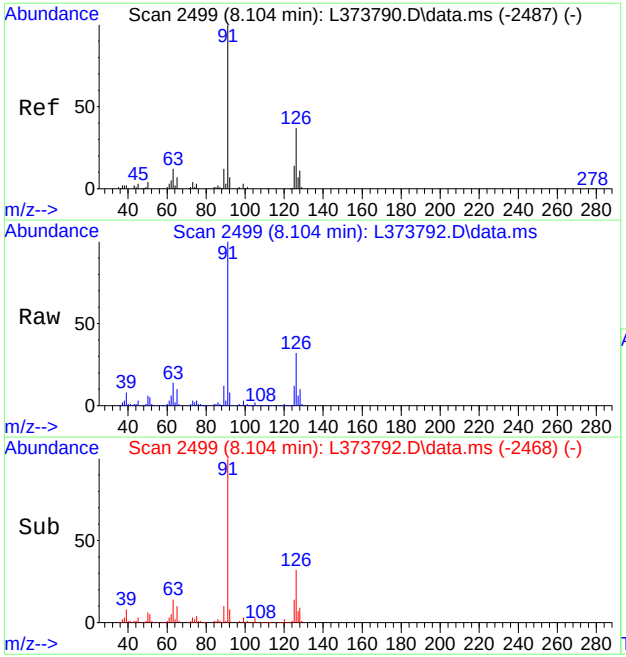


#103
2-chlorotoluene
Concen: 197.48 ug/L
RT: 7.988 min Scan# 2463
Delta R.T. -0.000 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion:126 Resp: 548436

Ion	Ratio	Lower	Upper
126	100		
91	313.5	276.4	336.4
89	60.9	28.8	88.8

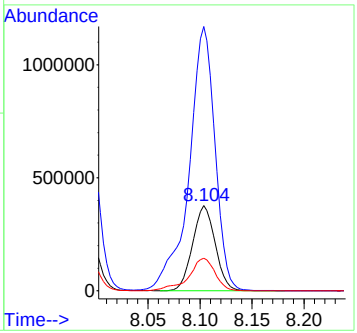


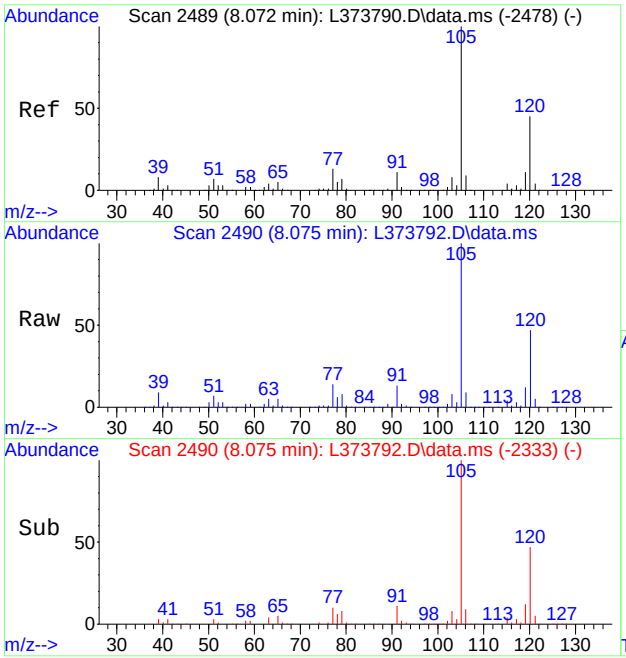


#104
4-chlorotoluene
Concen: 193.90 ug/L
RT: 8.104 min Scan# 2499
Delta R.T. -0.000 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion:126 Resp: 571151

Ion	Ratio	Lower	Upper
126	100		
91	310.2	265.5	325.5
89	38.3	5.5	65.5

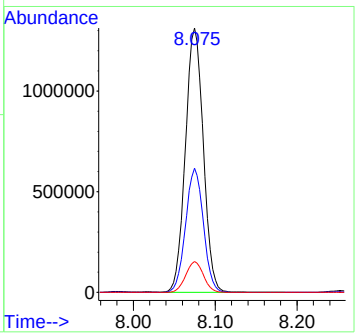


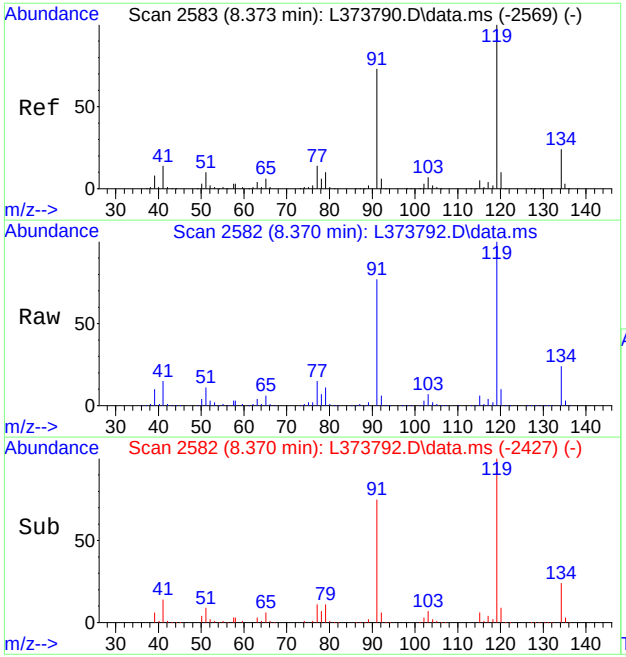


#105
1,3,5-trimethylbenzene
Concen: 200.80 ug/L
RT: 8.075 min Scan# 2490
Delta R.T. 0.003 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion:105 Resp: 2000229

Ion	Ratio	Lower	Upper
105	100		
120	46.9	14.9	74.9
119	11.7	0.0	40.8

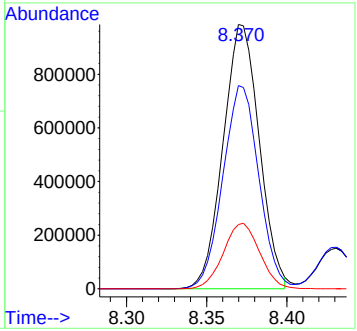


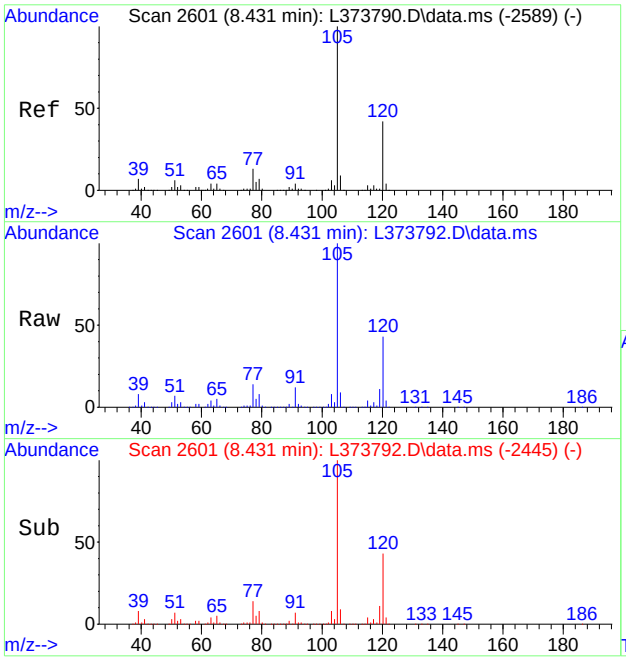


#106
tert-butylbenzene
Concen: 196.89 ug/L
RT: 8.370 min Scan# 2582
Delta R.T. -0.003 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion:119 Resp: 1547133

Ion	Ratio	Lower	Upper
119	100		
91	76.8	42.9	102.9
134	24.3	0.0	54.4

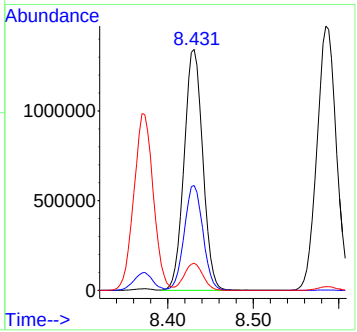


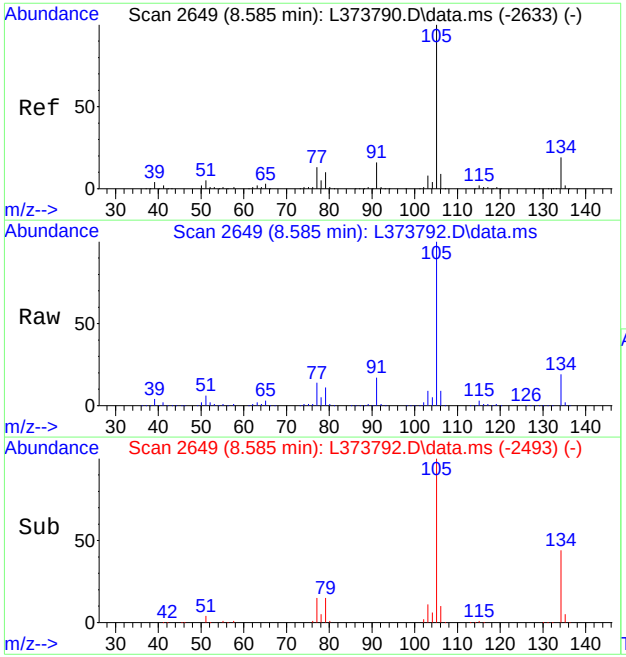


#107
1,2,4-trimethylbenzene
Concen: 202.84 ug/L
RT: 8.431 min Scan# 2601
Delta R.T. -0.000 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion:105 Resp: 2041030

Ion	Ratio	Lower	Upper
105	100		
120	43.5	13.1	73.1
119	11.3	0.0	41.9

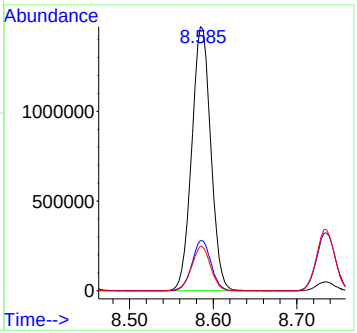


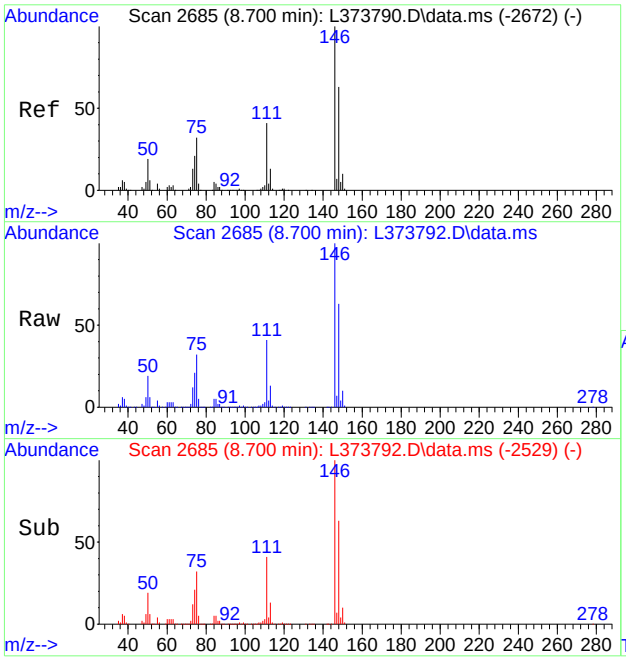


#108
sec-butylbenzene
Concen: 204.03 ug/L
RT: 8.585 min Scan# 2649
Delta R.T. -0.000 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion:105 Resp: 2327396

Ion	Ratio	Lower	Upper
105	100		
134	19.0	0.0	48.8
91	17.0	0.0	45.9

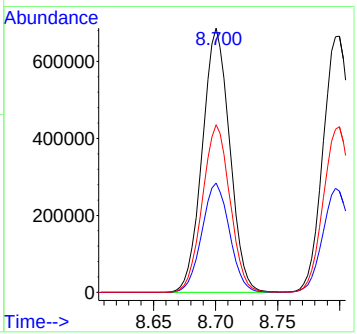


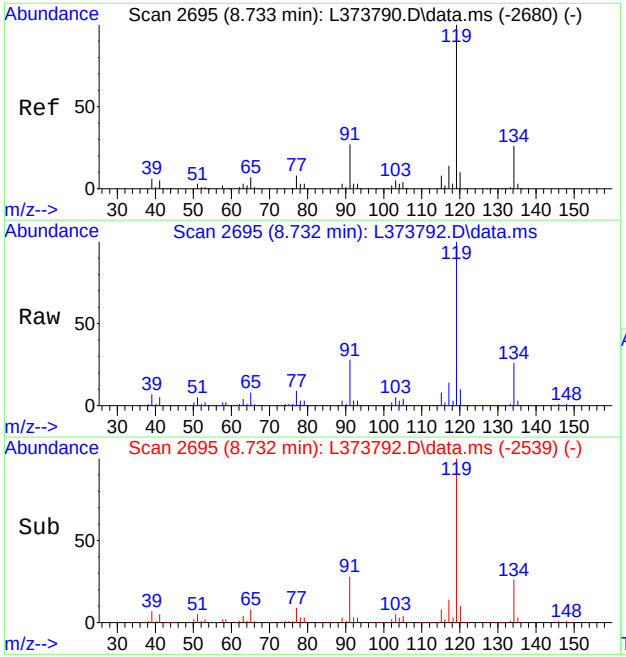


#109
1,3-dichlorobenzene
Concen: 192.46 ug/L
RT: 8.700 min Scan# 2685
Delta R.T. 0.000 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion:146 Resp: 1053931

Ion	Ratio	Lower	Upper
146	100		
111	41.4	11.0	71.0
148	63.4	33.0	93.0

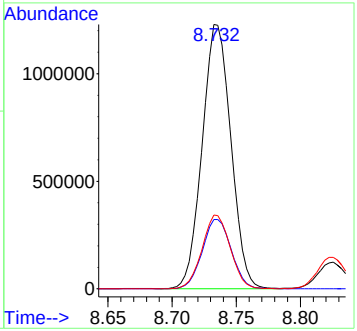


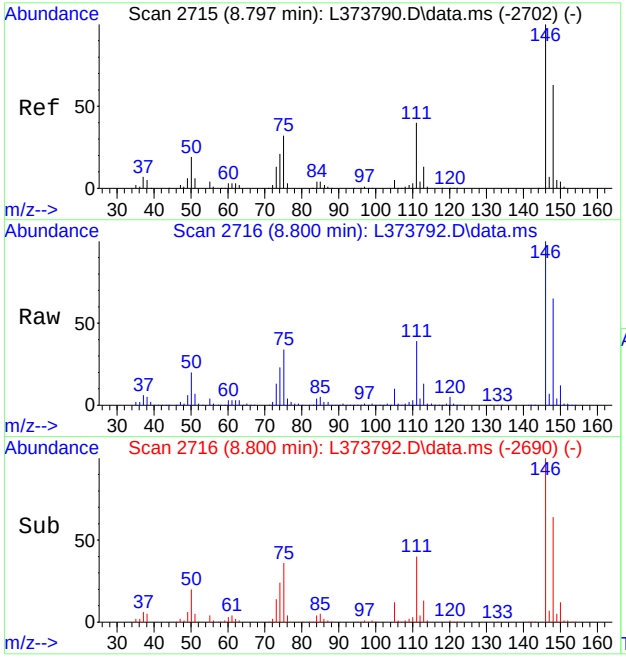


#110
p-isopropyltoluene
Concen: 203.55 ug/L
RT: 8.732 min Scan# 2695
Delta R.T. -0.001 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion:119 Resp: 1919614

Ion	Ratio	Lower	Upper
119	100		
134	26.1	0.0	56.5
91	27.9	0.0	56.9

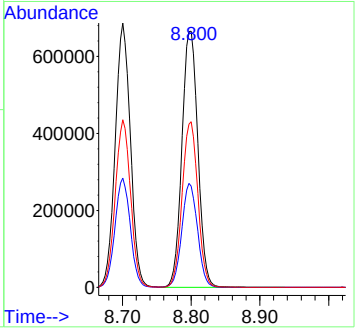


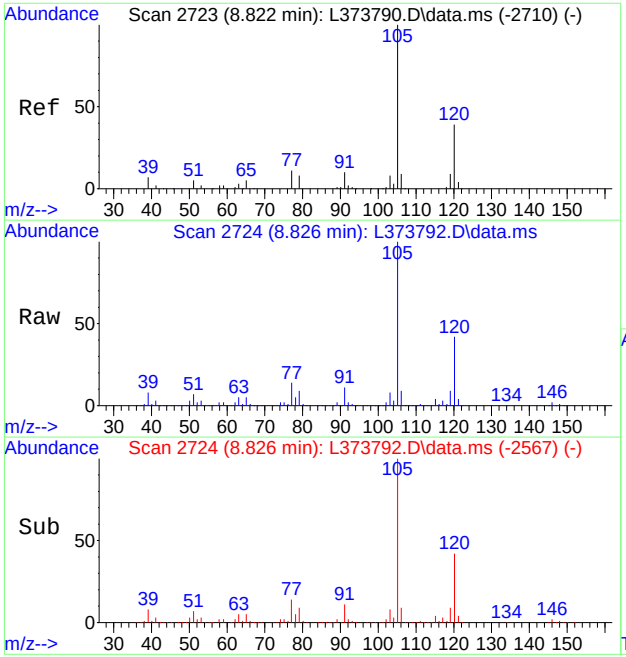


#111
1,4-dichlorobenzene
Concen: 189.73 ug/L
RT: 8.800 min Scan# 2716
Delta R.T. 0.003 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion:146 Resp: 1073335

Ion	Ratio	Lower	Upper
146	100		
111	39.5	9.7	69.7
148	64.7	33.0	93.0

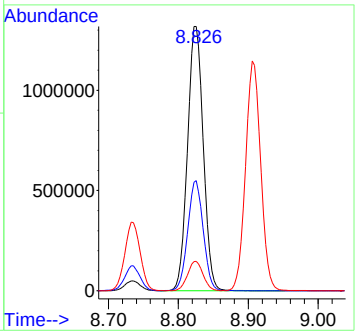


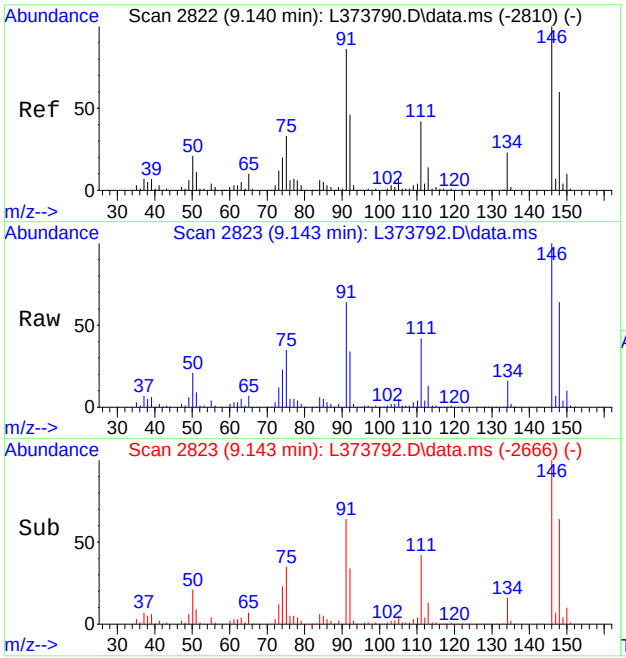


#112
1,2,3-trimethylbenzene
Concen: 194.11 ug/L
RT: 8.826 min Scan# 2724
Delta R.T. 0.004 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion:105 Resp: 2063417

Ion	Ratio	Lower	Upper
105	100		
120	41.7	8.8	68.8
91	11.0	0.0	40.2

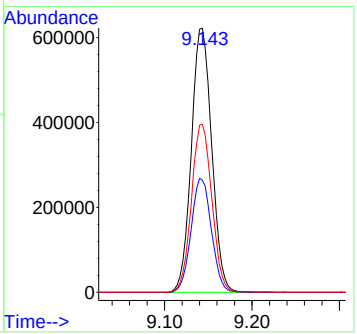


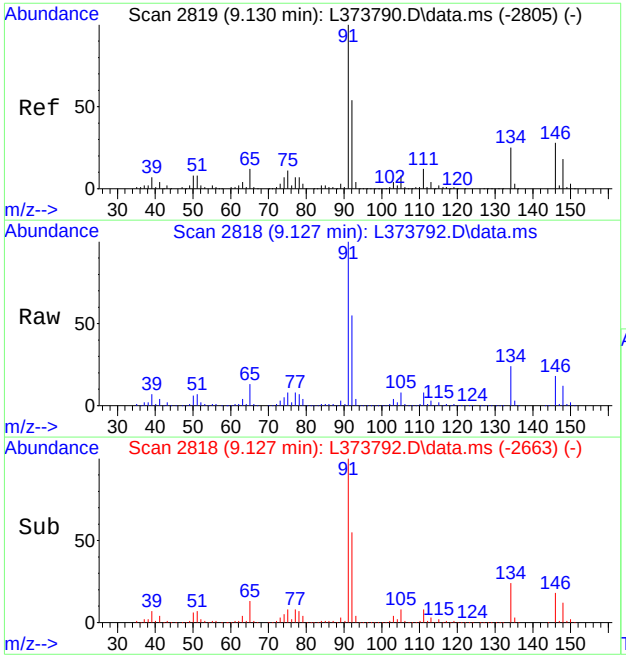


#113
1,2-dichlorobenzene
Concen: 192.03 ug/L
RT: 9.143 min Scan# 2823
Delta R.T. 0.003 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion:146 Resp: 1010128

Ion	Ratio	Lower	Upper
146	100		
111	42.4	12.1	72.1
148	63.6	30.4	90.4

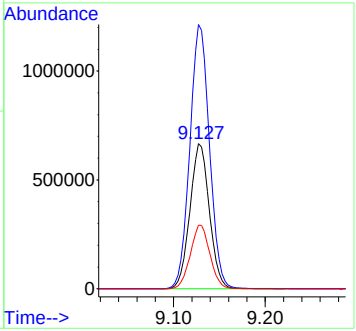


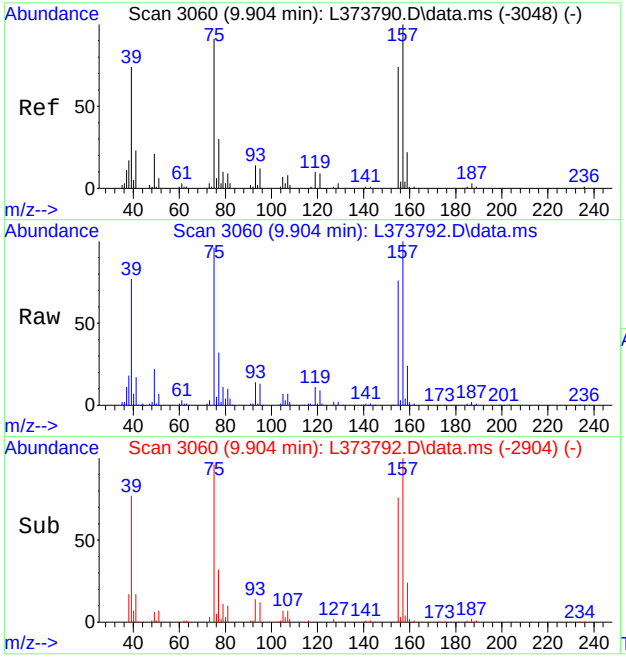


#114
n-butylbenzene
Concen: 209.12 ug/L
RT: 9.127 min Scan# 2818
Delta R.T. -0.003 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 92 Resp: 982510

Ion	Ratio	Lower	Upper
92	100		
91	182.0	155.4	215.4
134	43.8	15.6	75.6

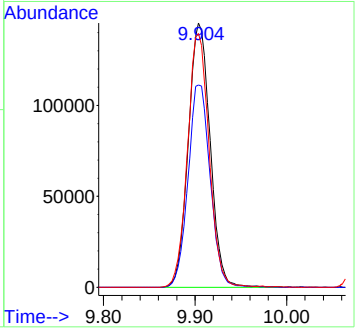


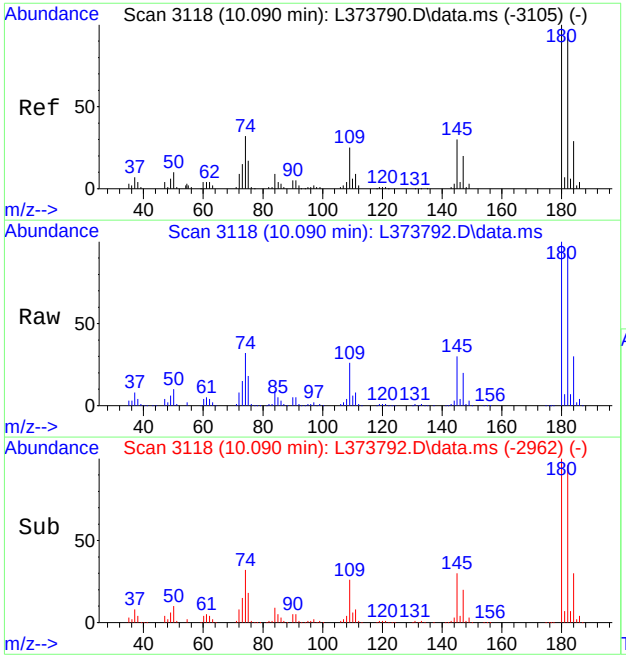


#115
1,2-dibromo-3-chloropropane
Concen: 199.32 ug/L
RT: 9.904 min Scan# 3060
Delta R.T. -0.000 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion:157 Resp: 240836

Ion	Ratio	Lower	Upper
157	100		
155	76.5	44.1	104.1
75	96.0	60.9	120.9

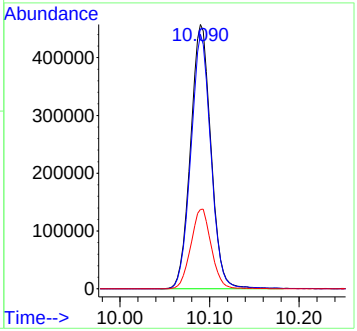


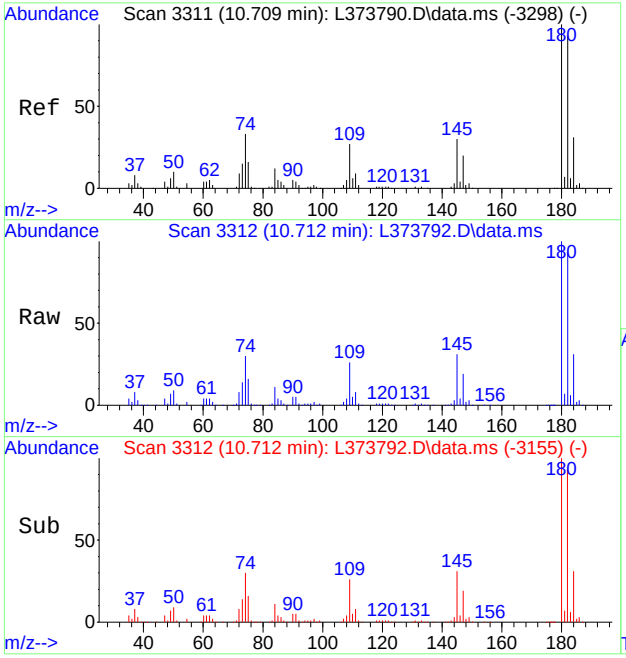


#116
1,3,5-trichlorobenzene
Concen: 213.63 ug/L
RT: 10.090 min Scan# 3118
Delta R.T. -0.000 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion:180 Resp: 723235

Ion	Ratio	Lower	Upper
180	100		
182	96.2	65.0	125.0
184	30.1	0.0	59.4

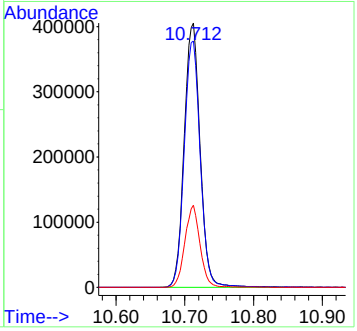


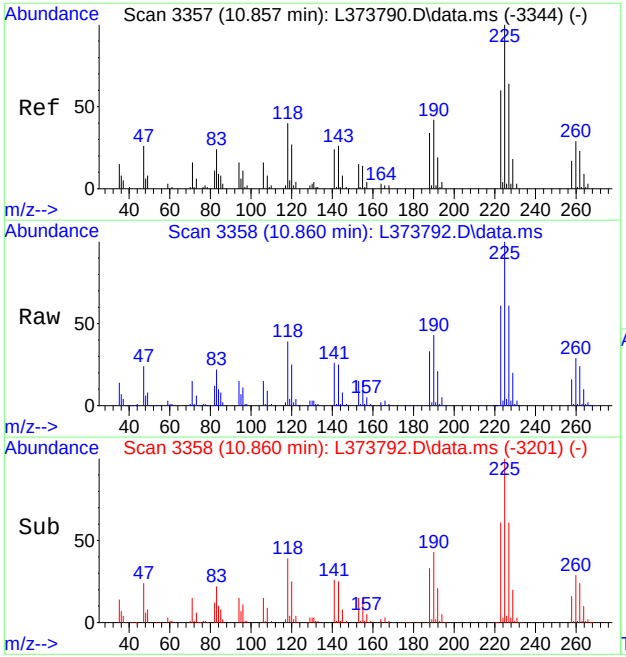


#117
1,2,4-trichlorobenzene
Concen: 218.51 ug/L
RT: 10.712 min Scan# 3312
Delta R.T. 0.003 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion:180 Resp: 651975

Ion	Ratio	Lower	Upper
180	100		
182	93.2	63.1	123.1
184	31.0	0.8	60.8

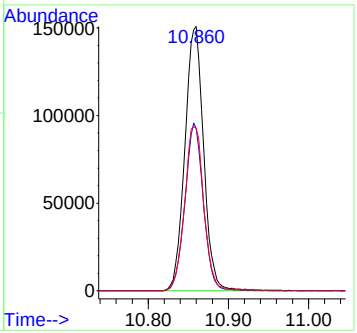


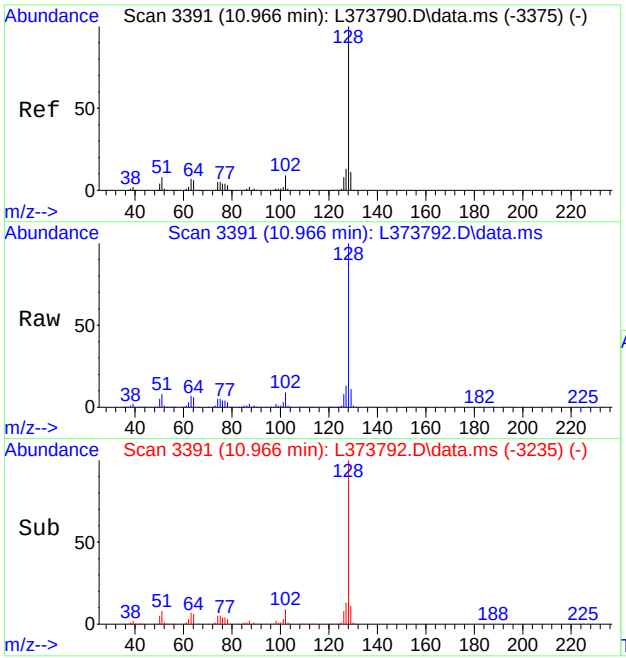


#118
hexachlorobutadiene
Concen: 219.44 ug/L
RT: 10.860 min Scan# 3358
Delta R.T. 0.003 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion:225 Resp: 246050

Ion	Ratio	Lower	Upper
225	100		
223	61.3	30.0	90.0
227	61.4	33.8	93.8

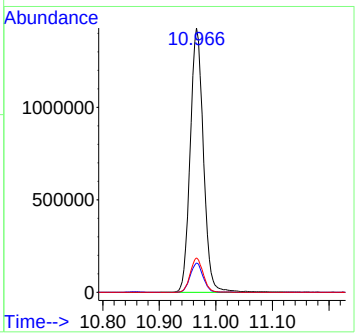


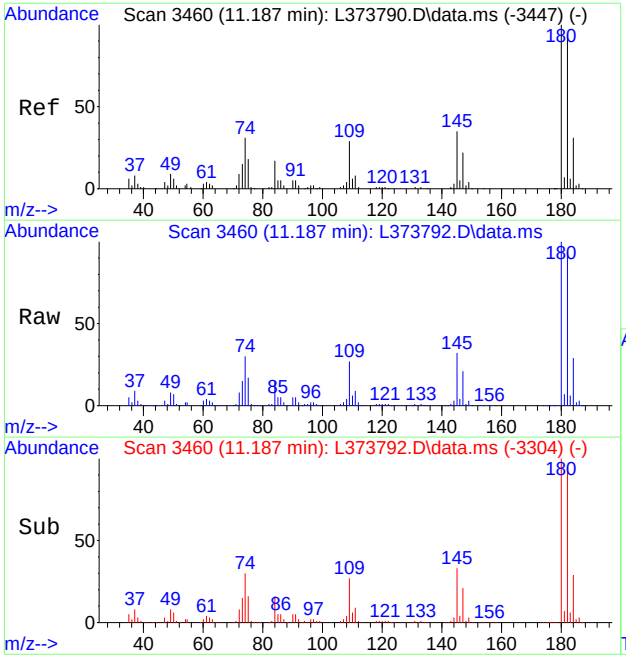


#119
naphthalene
Concen: 209.62 ug/L
RT: 10.966 min Scan# 3391
Delta R.T. -0.000 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion:128 Resp: 2318752

Ion	Ratio	Lower	Upper
128	100		
129	11.2	0.0	41.1
127	13.1	0.0	42.9

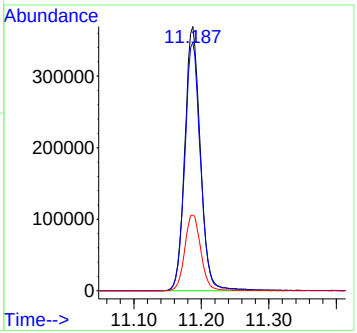


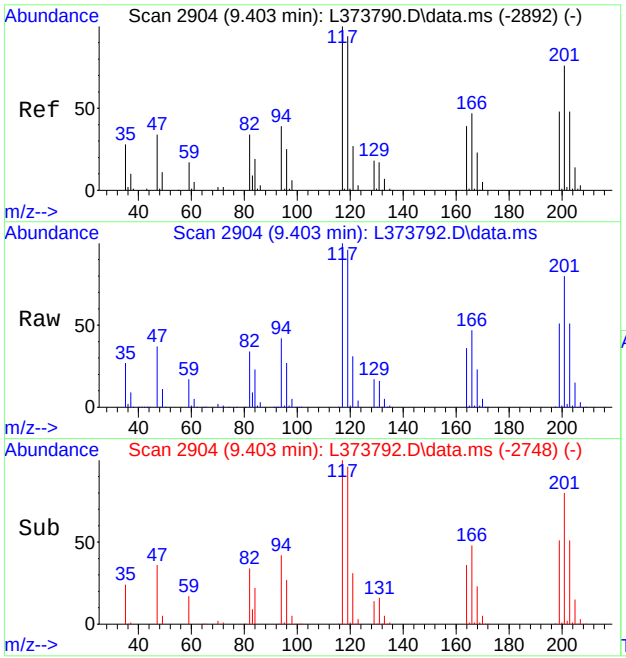


#120
1,2,3-trichlorobenzene
Concen: 209.33 ug/L
RT: 11.187 min Scan# 3460
Delta R.T. 0.000 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion:180 Resp: 595178

Ion	Ratio	Lower	Upper
180	100		
182	94.0	63.9	123.9
184	28.6	1.2	61.2

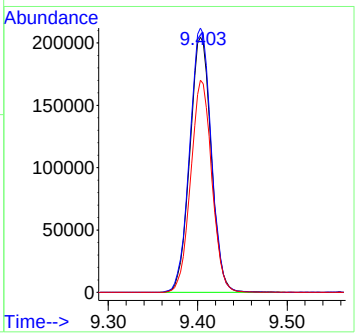


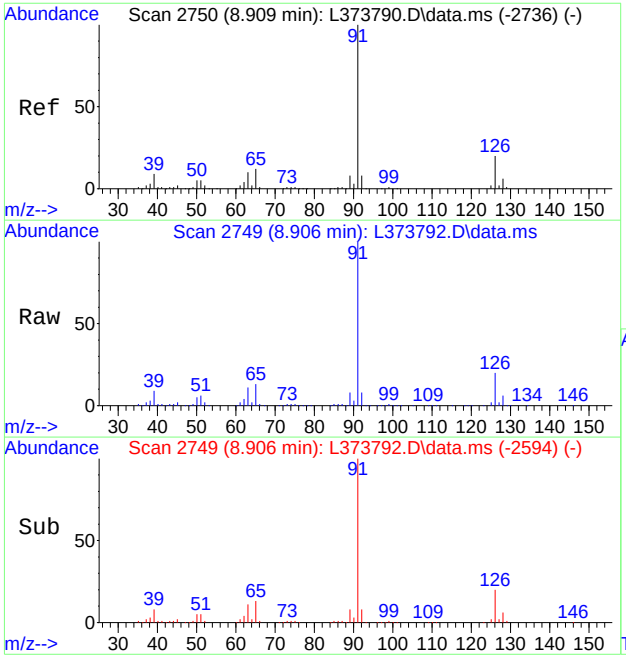


#121
hexachloroethane
Concen: 237.03 ug/L
RT: 9.403 min Scan# 2904
Delta R.T. 0.000 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion:119 Resp: 340927

Ion	Ratio	Lower	Upper
119	100		
117	103.6	76.2	136.2
201	83.1	51.2	111.2

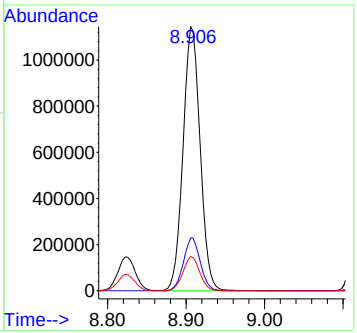


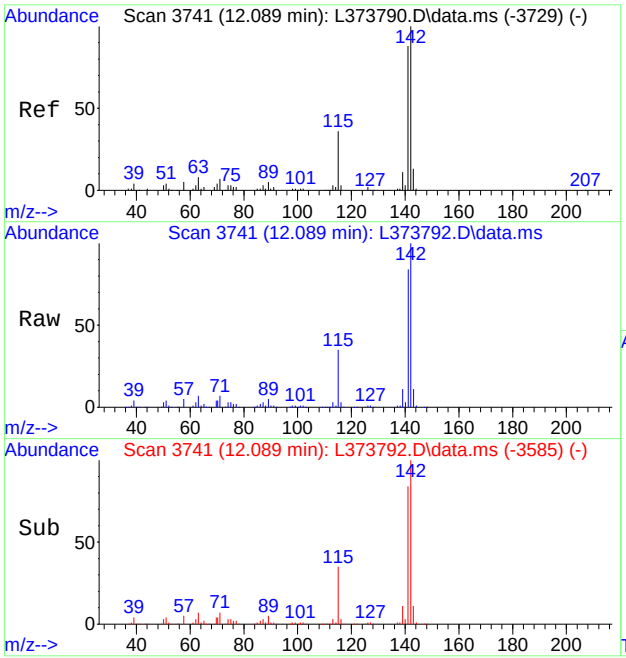


#122
benzyl chloride
Concen: 197.76 ug/L
RT: 8.906 min Scan# 2749
Delta R.T. -0.003 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion: 91 Resp: 1730767

Ion	Ratio	Lower	Upper
91	100		
126	20.0	0.0	49.8
65	13.1	0.0	41.8

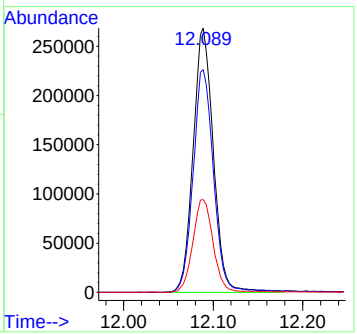




#123
2-methylnaphthalene
Concen: 99.02 ug/L
RT: 12.089 min Scan# 3741
Delta R.T. -0.000 min
Lab File: L373792.D
Acq: 16 Oct 2025 9:47 pm

Tgt Ion:142 Resp: 422587

Ion	Ratio	Lower	Upper
142	100		
141	84.3	68.0	108.0
115	35.1	15.9	55.9



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373795.D
Acq On : 16 Oct 2025 11:03 pm
Operator : BridgetK
Sample : icv11472-50
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 17 13:46:59 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 13:39:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	2.607	65	280982	500.00	ug/L	0.00
5) pentafluorobenzene	3.749	168	239875	50.00	ug/L	0.00
51) 1,4-difluorobenzene	4.285	114	423331	50.00	ug/L	0.00
72) chlorobenzene-d5	6.608	117	316133	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	8.771	152	152767	50.00	ug/L	0.00
124) pentafluorobenzene(a)	3.749	168	239875	50.00	ug/L	0.00
131) 1,4-dichlorobenzene-d4(a)	8.771	152	152767	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	3.749	113	125729	50.21	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.42%			
52) 1,2-dichloroethane-d4 (s)	3.987	65	147306	47.83	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 95.66%			
73) toluene-d8 (s)	5.389	98	473927	51.69	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 103.38%			
97) 4-bromofluorobenzene (s)	7.677	95	162321	49.52	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.04%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.699	88	95311	1229.5866	ug/L	91
3) ethanol	2.087	45	295935	5009.7544	ug/L	97
4) tertiary butyl alcohol	2.658	59	207452	238.7741	ug/L	98
7) dichlorodifluoromethane	1.349	85	171292	48.2117	ug/L	97
8) chloromethane	1.484	50	153817	45.1082	ug/L	99
9) vinyl chloride	1.554	62	156370	46.3384	ug/L	100
10) 1,3-butadiene	1.580	54	128862	41.2761	ug/L	98
11) bromomethane	1.766	96	62912	74.9741	ug/L	95
12) chloroethane	1.837	64	82899	58.5617	ug/L	97
13) trichlorofluoromethane	1.994	101	215416	50.2029	ug/L	98
14) ethyl ether	2.161	74	73419	51.3729	ug/L	98
15) acrolein	2.251	56	32749	53.4799	ug/L	96
16) freon 113	2.318	151	91371	50.5349	ug/L	97
17) 1,1-dichloroethene	2.321	96	113244	50.1160	ug/L	98
18) acetone	2.334	58	85623	192.5560	ug/L	99
19) acetonitrile	2.511	40	187595	538.3885	ug/L	100
20) iodomethane	2.421	142	77091	43.1102	ug/L	98
21) iso-butyl alcohol	3.897	43	149409	494.1890	ug/L	99
22) carbon disulfide	2.472	76	334073	47.0033	ug/L	100
23) methylene chloride	2.623	84	134539	48.2433	ug/L	100
24) methyl acetate	2.523	74	40626	57.8343	ug/L	97
25) methyl tert butyl ether	2.777	73	408680	54.6715	ug/L	98
26) trans-1,2-dichloroethene	2.790	96	130363	50.7388	ug/L	98
27) hexane	2.957	57	159818	50.3550	ug/L	100
28) di-isopropyl ether	3.066	45	405737	51.8533	ug/L	94
29) ethyl tert-butyl ether	3.297	59	406437	50.5701	ug/L	98
30) 2-butanone	3.409	72	116268	207.8600	ug/L	94
31) 1,1-dichloroethane	3.066	63	247541	51.0044	ug/L	99
32) chloroprene	3.114	53	216108	51.7558	ug/L	98
33) acrylonitrile	2.758	53	80159	59.8426	ug/L	94
34) vinyl acetate	3.046	86	28961	45.6028	ug/L #	89
35) ethyl acetate	3.425	45	34834	50.3387	ug/L #	80
36) 2,2-dichloropropane	3.435	77	215301	49.2376	ug/L	98
37) cis-1,2-dichloroethene	3.432	96	145861	51.6684	ug/L	97
38) propionitrile	3.454	54	368958	484.1596	ug/L	94
39) methyl acrylate	3.460	85	31920	53.5779	ug/L	98
40) bromochloromethane	3.586	128	63758	51.2859	ug/L	98
41) tetrahydrofuran	3.595	72	31386	45.0274	ug/L	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373795.D
Acq On : 16 Oct 2025 11:03 pm
Operator : BridgetK
Sample : icv11472-50
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 17 13:46:59 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 13:39:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
42) chloroform	3.643	83	249139	46.2582 ug/L	96
44) methacrylonitrile	3.550	67	80835	49.7378 ug/L	93
45) 1,1,1-trichloroethane	3.768	97	225875	52.9645 ug/L	97
46) cyclohexane	3.823	84	185960	52.4756 ug/L	97
47) 1,1-dichloropropene	3.871	75	191077	55.2488 ug/L	97
48) carbon tetrachloride	3.874	117	181577	52.2331 ug/L	99
49) isopropyl acetate	4.006	87	38807	50.3010 ug/L #	90
50) tert amyl alcohol	3.980	55	65016	215.2670 ug/L	94
53) tert-amyl methyl ether	4.080	73	396377	48.1053 ug/L	99
54) 2,2,4-trimethylpentane	4.077	57	316077	51.5423 ug/L	98
55) n-butyl alcohol	4.359	56	513677	2121.1526 ug/L	99
56) benzene	4.009	78	544247	49.4085 ug/L	99
57) heptane	4.189	57	71199	54.7674 ug/L	97
58) 1,2-dichloroethane	4.038	62	200369	47.7861 ug/L	99
59) trichloroethene	4.465	95	143545	51.7598 ug/L	97
60) ethyl acrylate	4.497	55	239560	48.2659 ug/L	100
61) 2-nitropropane	5.001	41	68725	46.6652 ug/L	95
62) 2-chloroethyl vinyl ether	5.039	63	172438	180.8187 ug/L	98
63) methyl methacrylate	4.667	100	54689	59.4877 ug/L	90
64) 1,2-dichloropropane	4.654	63	138296	49.1855 ug/L	99
65) methylcyclohexane	4.641	83	212430	55.8772 ug/L	89
66) dibromomethane	4.721	93	91592	47.2815 ug/L	95
67) bromodichloromethane	4.840	83	191040	47.6098 ug/L	99
68) cis-1,3-dichloropropene	5.174	75	220429	49.0060 ug/L	98
69) epichlorohydrin	5.087	57	129472	225.8018 ug/L	99
70) 4-methyl-2-pentanone	5.277	58	321657	181.9640 ug/L	98
71) 3-methyl-1-butanol	5.312	70	192738	851.8002 ug/L	98
74) toluene	5.444	92	324424	49.9958 ug/L	96
75) trans-1,3-dichloropropene	5.620	75	208819	51.6131 ug/L	98
76) ethyl methacrylate	5.649	69	145736	35.6505 ug/L	99
77) 1,1,2-trichloroethane	5.784	83	107020	49.7438 ug/L	94
78) 2-hexanone	5.954	58	338480	183.5539 ug/L	99
79) tetrachloroethene	5.864	166	135448	51.9665 ug/L	97
80) 1,3-dichloropropane	5.922	76	211951	51.1186 ug/L	99
81) butyl acetate	6.044	56	112850	46.4422 ug/L	98
82) dibromochloromethane	6.105	129	136093	49.0449 ug/L	99
83) 1,2-dibromoethane	6.210	107	134188	51.3366 ug/L	99
84) n-butyl ether	6.705	57	553245	50.6486 ug/L	100
85) chlorobenzene	6.634	112	329673	48.3870 ug/L	99
86) 1,1,1,2-tetrachloroethane	6.708	131	121048	52.5014 ug/L	98
87) ethylbenzene	6.714	91	600025	50.4773 ug/L	99
88) m,p-xylene	6.830	106	454360	99.2497 ug/L	99
89) o-xylene	7.176	106	225158	50.2995 ug/L	98
90) butyl acrylate	7.122	55	311033	47.5025 ug/L	99
91) styrene	7.196	104	284335	37.8827 ug/L	97
92) bromoform	7.359	173	97377	49.3786 ug/L	95
93) n-amyl acetate	7.327	70	115414	47.1000 ug/L	99
94) isopropylbenzene	7.510	105	526045	48.6888 ug/L	99
95) cis-1,4-dichloro-2-butene	7.568	88	50634	55.0511 ug/L	97
98) bromobenzene	7.808	156	134042	49.4418 ug/L	97
99) 1,1,2,2-tetrachloroethane	7.799	83	192654	46.9076 ug/L	98
100) trans-1,4-dichloro-2-b...	7.834	53	43560	52.9105 ug/L	88
101) 1,2,3-trichloropropane	7.853	110	55974	45.6062 ug/L	99
102) n-propylbenzene	7.898	91	651581	49.7282 ug/L	100
103) 2-chlorotoluene	7.988	126	125638	49.4113 ug/L	97
104) 4-chlorotoluene	8.104	126	131066	48.5984 ug/L	97
105) 1,3,5-trimethylbenzene	8.072	105	461782	50.6314 ug/L	98
106) tert-butylbenzene	8.370	119	393699	54.7231 ug/L	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373795.D
Acq On : 16 Oct 2025 11:03 pm
Operator : BridgetK
Sample : icv11472-50
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 17 13:46:59 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 13:39:16 2025
Response via : Initial Calibration

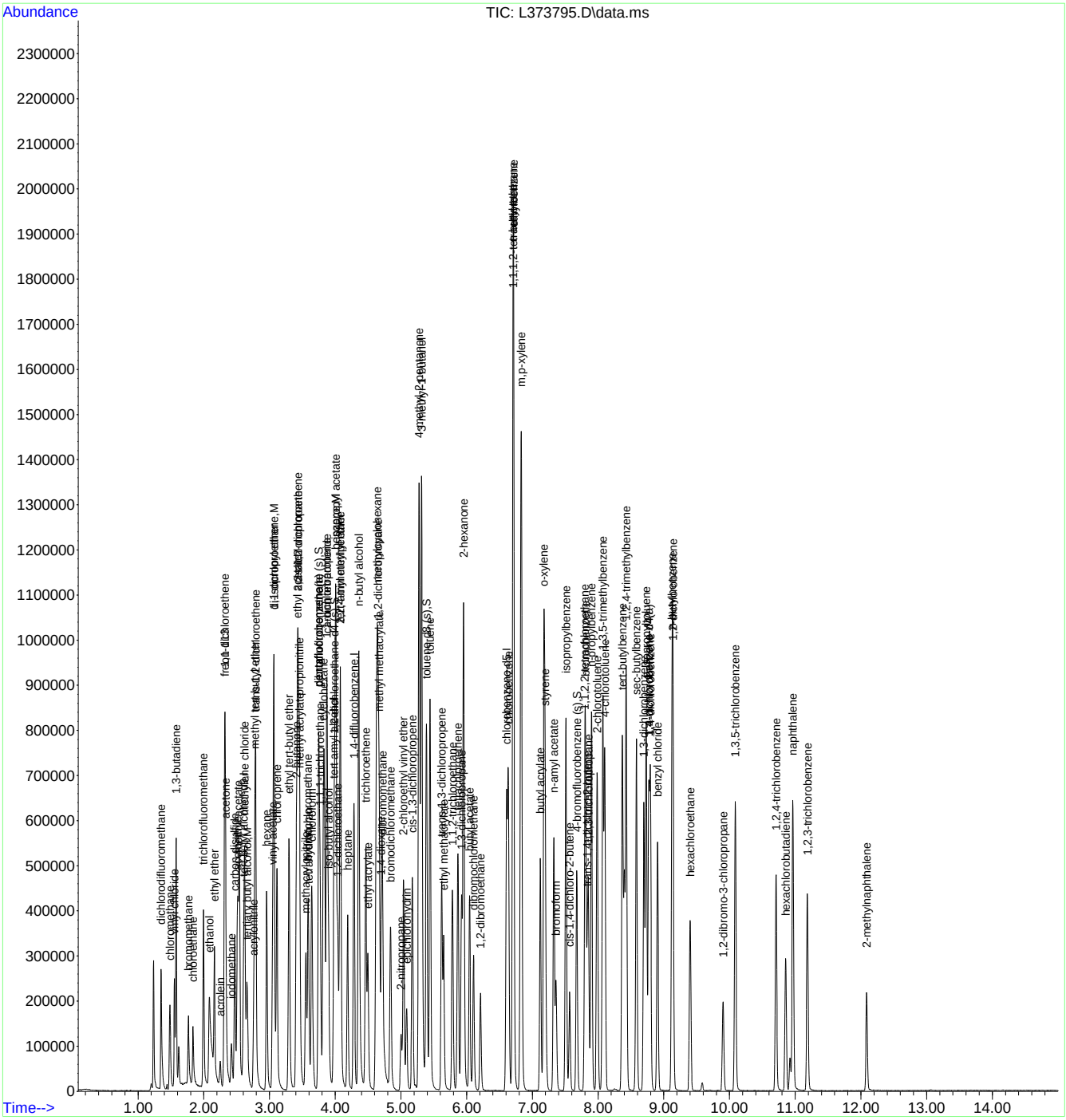
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
107) 1,2,4-trimethylbenzene	8.428	105	480332	52.1365	ug/L	100
108) sec-butylbenzene	8.585	105	533666	51.0970	ug/L	99
109) 1,3-dichlorobenzene	8.697	146	240797	48.0271	ug/L	99
110) p-isopropyltoluene	8.733	119	444840	51.5191	ug/L	99
111) 1,4-dichlorobenzene	8.797	146	244730	47.2497	ug/L	98
113) 1,2-dichlorobenzene	9.140	146	232107	48.1917	ug/L	97
114) n-butylbenzene	9.124	92	225087	52.3262	ug/L	99
115) 1,2-dibromo-3-chloropr...	9.904	157	52955	47.8681	ug/L	97
116) 1,3,5-trichlorobenzene	10.087	180	176049	56.7967	ug/L	98
117) 1,2,4-trichlorobenzene	10.709	180	138437	50.6751	ug/L	98
118) hexachlorobutadiene	10.857	225	54224	52.8193	ug/L	97
119) naphthalene	10.963	128	501054	49.4730	ug/L	99
120) 1,2,3-trichlorobenzene	11.187	180	130202	50.0146	ug/L	99
121) hexachloroethane	9.403	119	71512	54.3020	ug/L	98
122) benzyl chloride	8.906	91	381777	47.6440	ug/L	99
123) 2-methylnaphthalene	12.086	142	101154	25.8883	ug/L	99

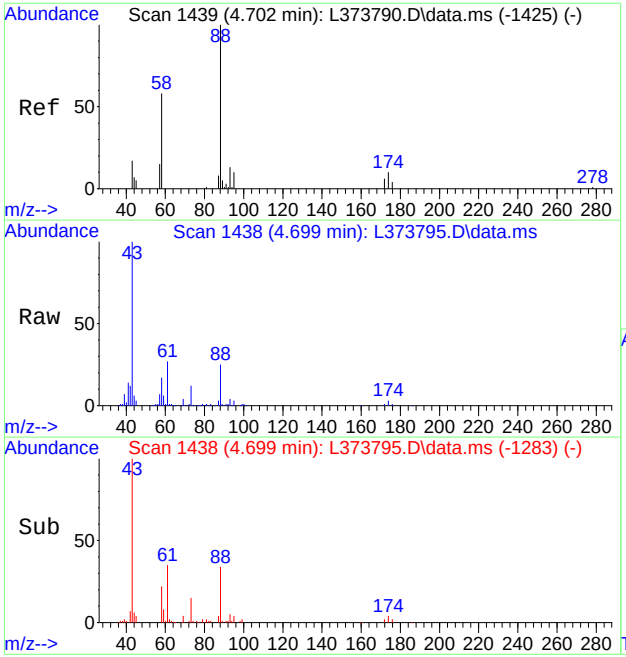
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373795.D
Acq On : 16 Oct 2025 11:03 pm
Operator : BridgetK
Sample : icv11472-50
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 17 13:46:59 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 13:39:16 2025
Response via : Initial Calibration

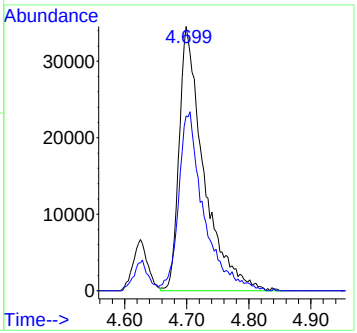


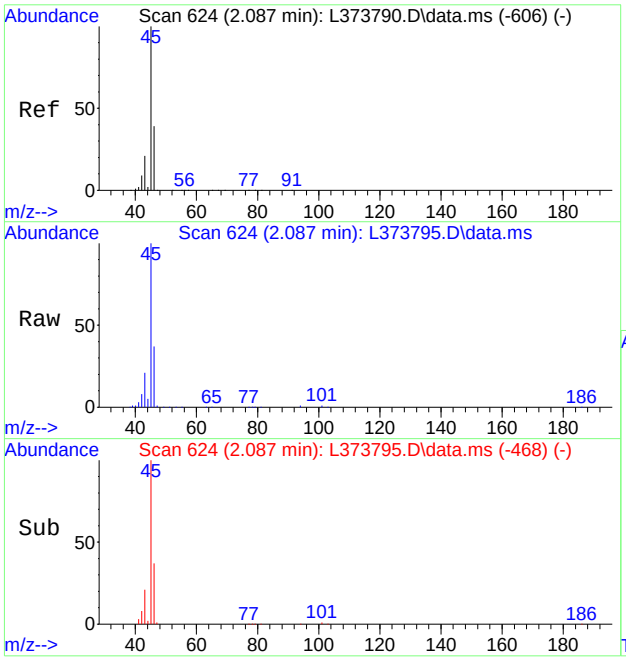


#2
1,4-dioxane
Concen: 1229.59 ug/L
RT: 4.699 min Scan# 1438
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 88 Resp: 95311

Ion	Ratio	Lower	Upper
88	100		
58	66.2	29.1	89.1

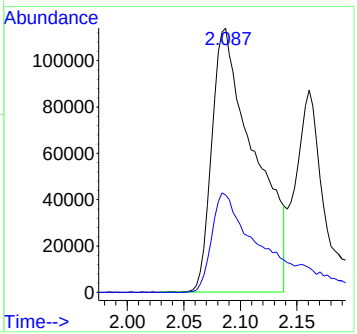


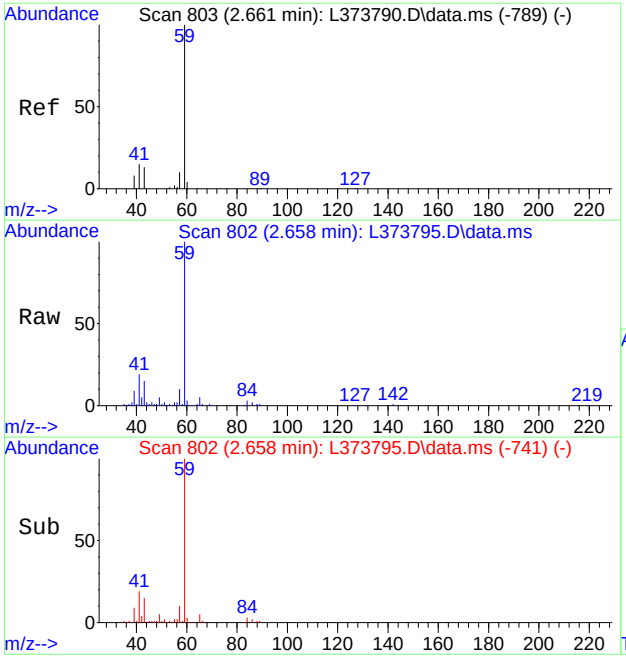


#3
ethanol
Concen: 5009.75 ug/L
RT: 2.087 min Scan# 624
Delta R.T. -0.000 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 45 Resp: 295935

Ion	Ratio	Lower	Upper
45	100		
46	36.9	18.6	58.6

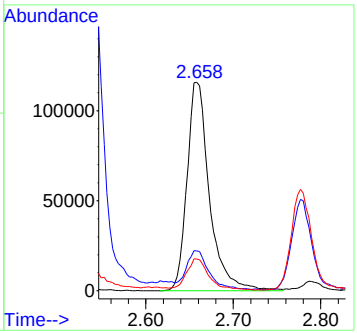


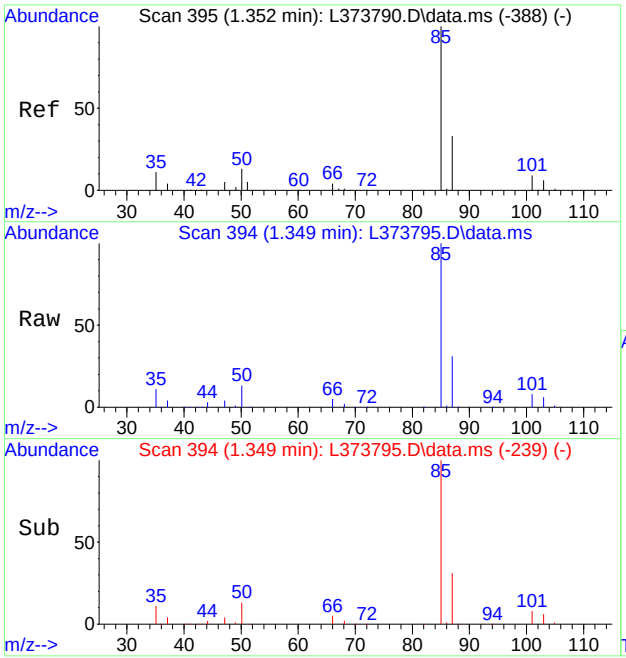


#4
tertiary butyl alcohol
Concen: 238.77 ug/L
RT: 2.658 min Scan# 802
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 59 Resp: 207452

Ion	Ratio	Lower	Upper
59	100		
41	14.2	0.0	45.3
43	13.7	0.0	43.5

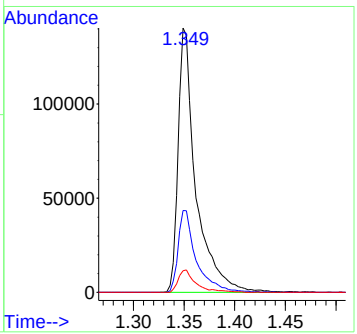


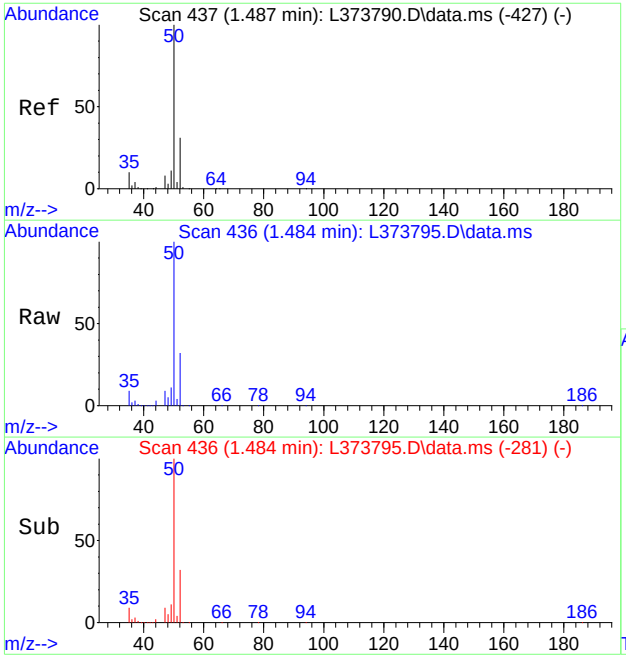


#7
dichlorodifluoromethane
Concen: 48.21 ug/L
RT: 1.349 min Scan# 394
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 85 Resp: 171292

Ion	Ratio	Lower	Upper
85	100		
87	31.0	2.8	62.8
101	8.2	0.0	38.9

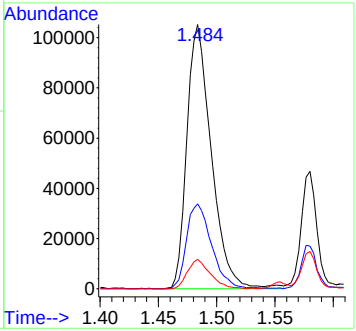


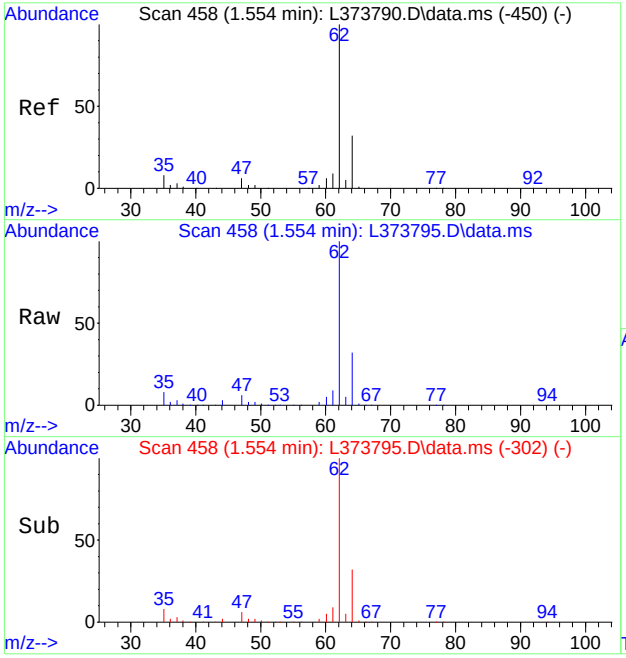


#8
chloromethane
Concen: 45.11 ug/L
RT: 1.484 min Scan# 436
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 50 Resp: 153817

Ion	Ratio	Lower	Upper
50	100		
52	32.2	1.5	61.5
49	11.2	0.0	41.1

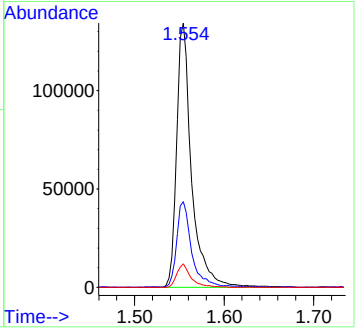


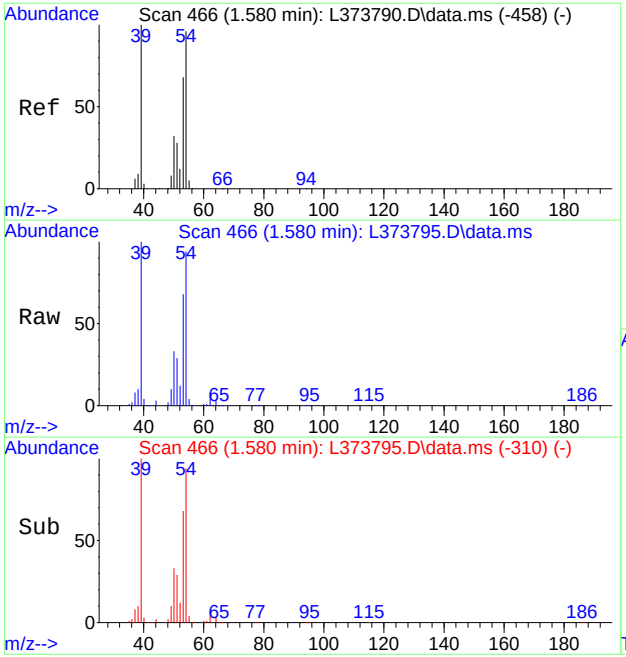


#9
vinyl chloride
Concen: 46.34 ug/L
RT: 1.554 min Scan# 458
Delta R.T. 0.000 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 62 Resp: 156370

Ion	Ratio	Lower	Upper
62	100		
64	32.3	2.2	62.2
61	8.9	0.0	38.5

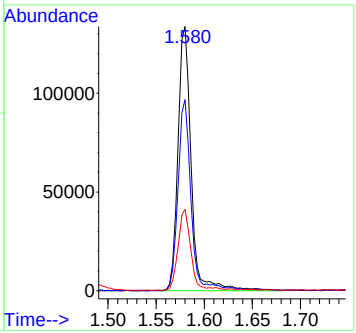


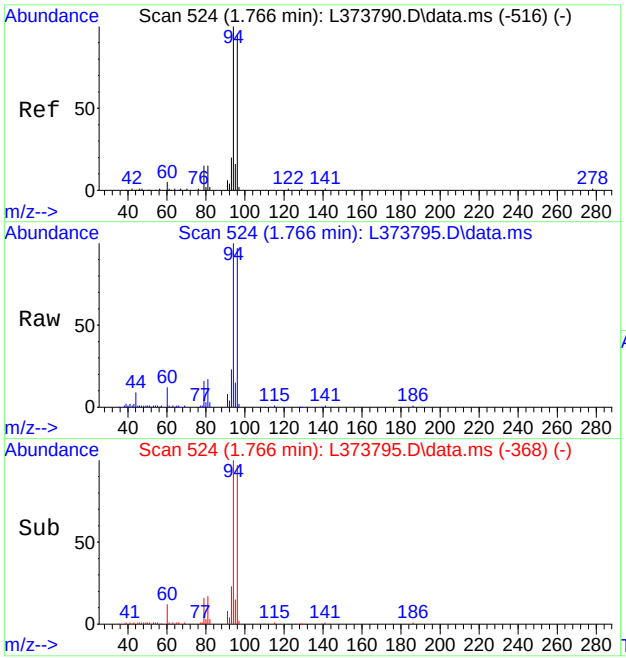


#10
1,3-butadiene
Concen: 41.28 ug/L
RT: 1.580 min Scan# 466
Delta R.T. -0.000 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 54 Resp: 128862

Ion	Ratio	Lower	Upper
54	100		
53	72.1	40.7	100.7
51	30.7	0.0	59.5

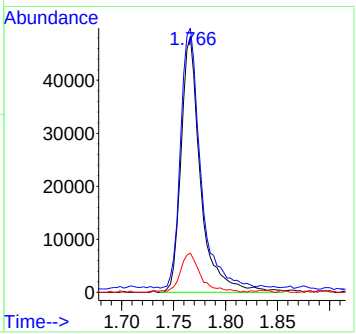


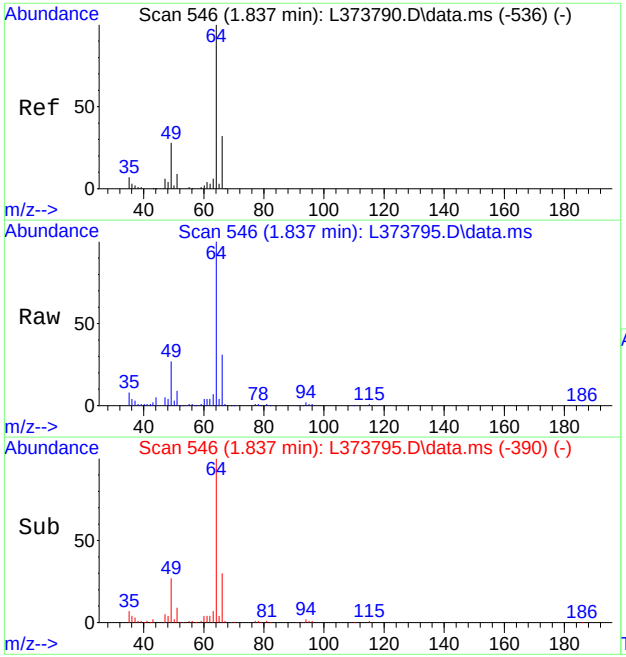


#11
bromomethane
Concen: 74.97 ug/L
RT: 1.766 min Scan# 524
Delta R.T. 0.000 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 96 Resp: 62912

Ion	Ratio	Lower	Upper
96	100		
94	101.6	76.7	136.7
95	14.8	0.0	46.3

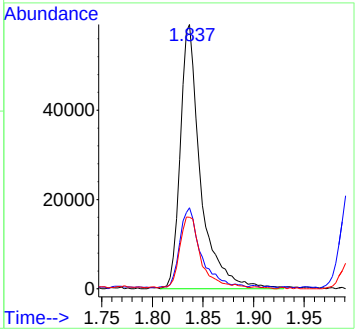


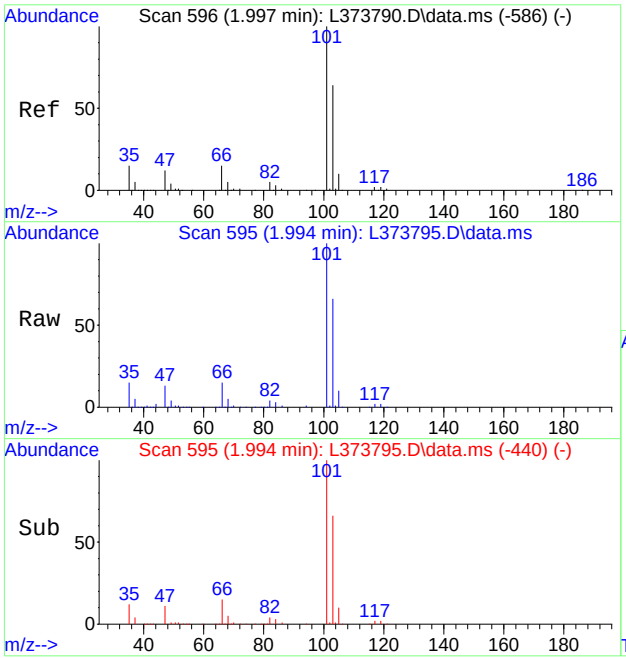


#12
chloroethane
Concen: 58.56 ug/L
RT: 1.837 min Scan# 546
Delta R.T. -0.000 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 64 Resp: 82899

Ion	Ratio	Lower	Upper
64	100		
66	29.9	1.8	61.8
49	26.6	0.0	57.7

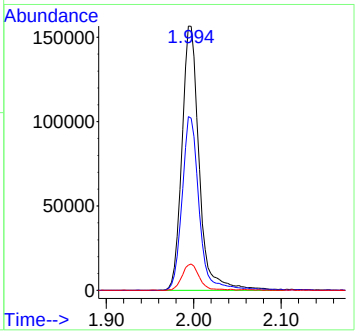


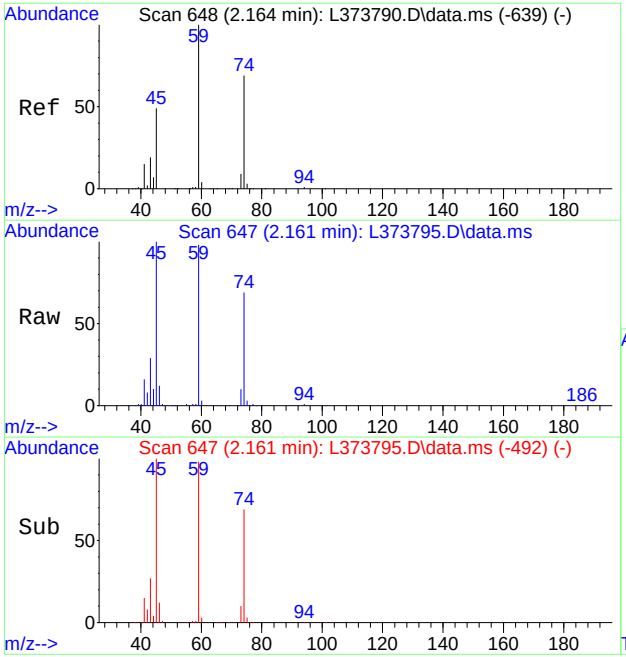


#13
trichlorofluoromethane
Concen: 50.20 ug/L
RT: 1.994 min Scan# 595
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion:101 Resp: 215416

Ion	Ratio	Lower	Upper
101	100		
103	65.6	33.8	93.8
105	9.6	0.0	40.0

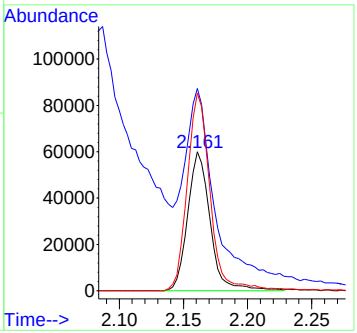


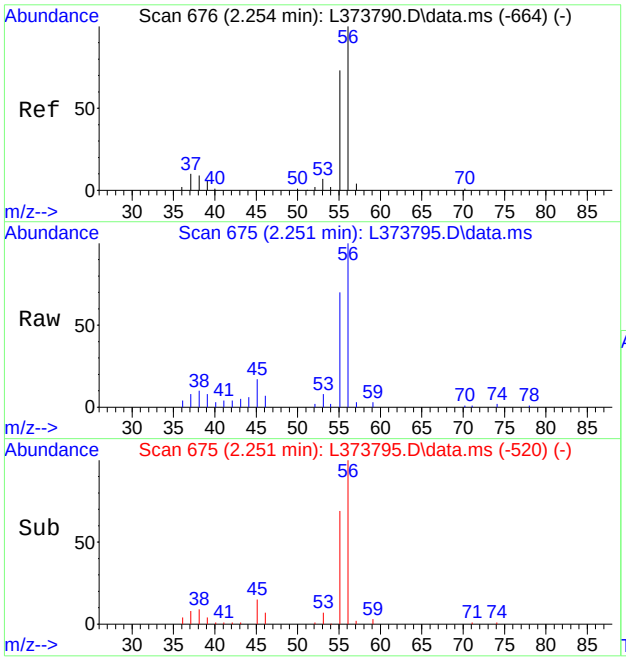


#14
ethyl ether
Concen: 51.37 ug/L
RT: 2.161 min Scan# 647
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 74 Resp: 73419

Ion	Ratio	Lower	Upper
74	100		
45	135.1	102.0	162.0
59	142.1	114.2	174.2

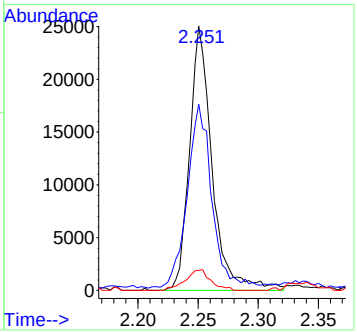


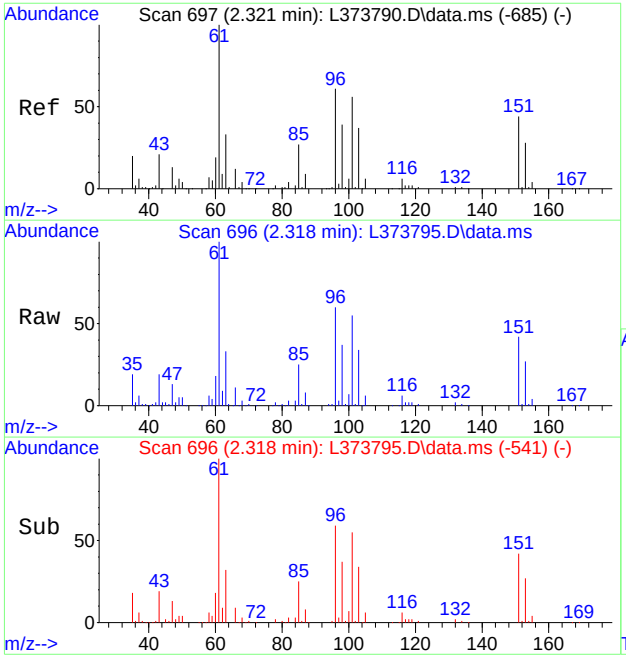


#15
acrolein
Concen: 53.48 ug/L
RT: 2.251 min Scan# 675
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 56 Resp: 32749

Ion	Ratio	Lower	Upper
56	100		
55	69.2	42.9	102.9
53	7.5	0.0	38.0

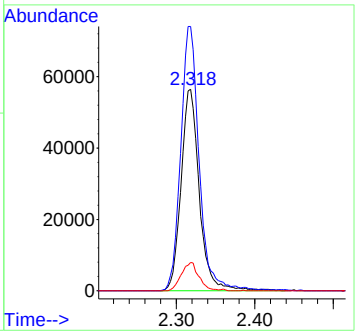


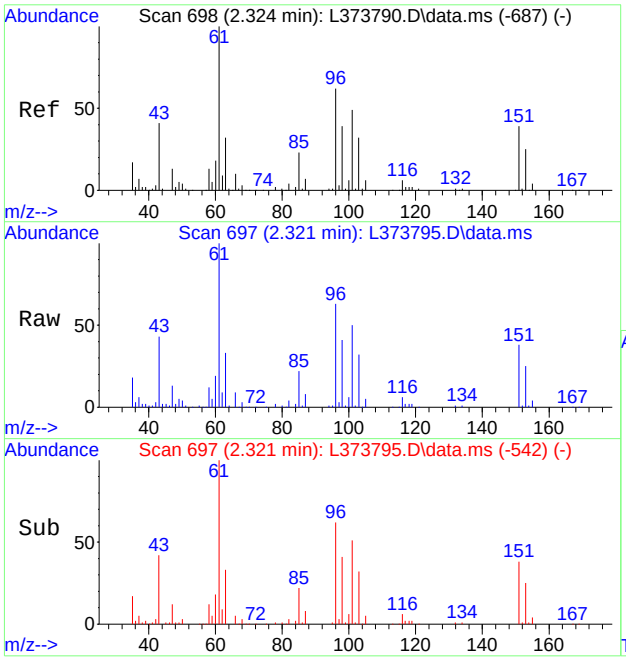


#16
freon 113
Concen: 50.53 ug/L
RT: 2.318 min Scan# 696
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion:151 Resp: 91371

Ion	Ratio	Lower	Upper
151	100		
101	131.2	107.4	147.4
116	14.0	0.0	33.9

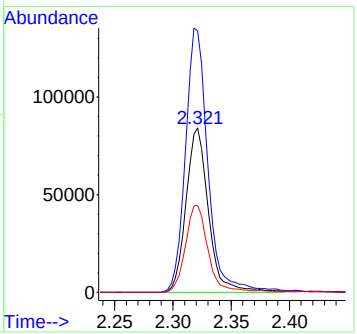


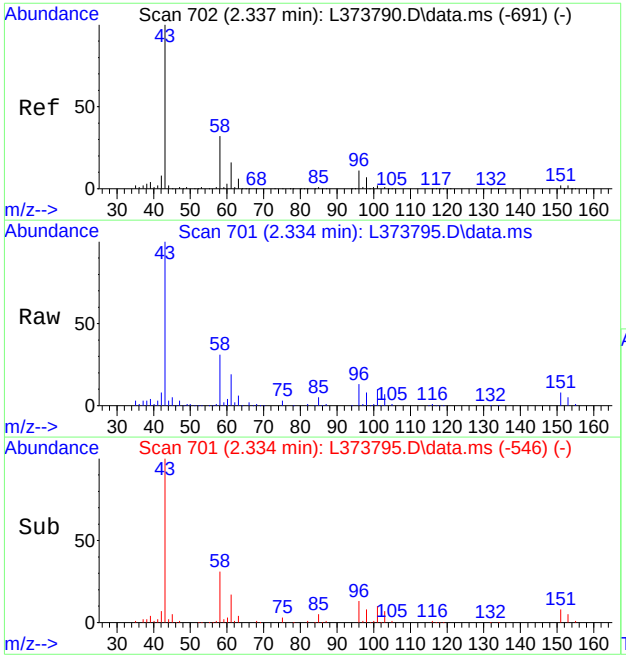


#17
1,1-dichloroethene
Concen: 50.12 ug/L
RT: 2.321 min Scan# 697
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 96 Resp: 113244

Ion	Ratio	Lower	Upper
96	100		
61	159.1	131.4	191.4
63	53.1	22.3	82.3

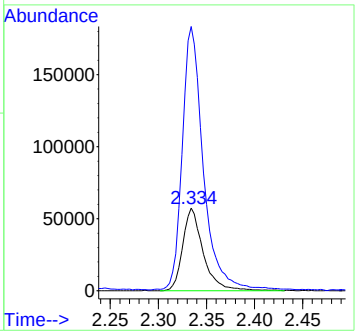


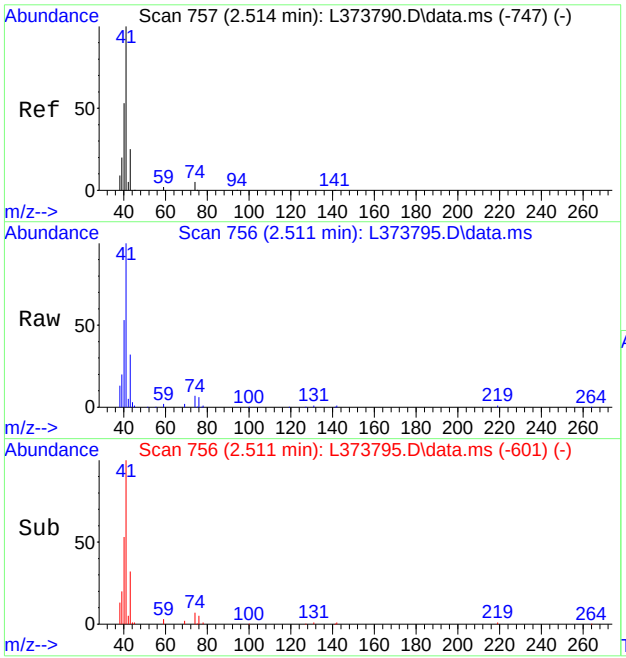


#18
acetone
Concen: 192.56 ug/L
RT: 2.334 min Scan# 701
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 58 Resp: 85623

Ion	Ratio	Lower	Upper
58	100		
43	318.4	286.5	346.5

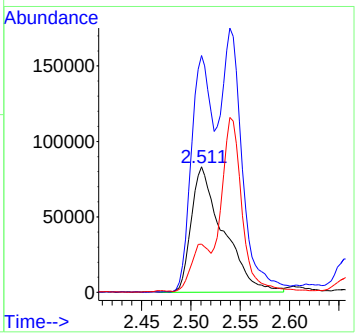


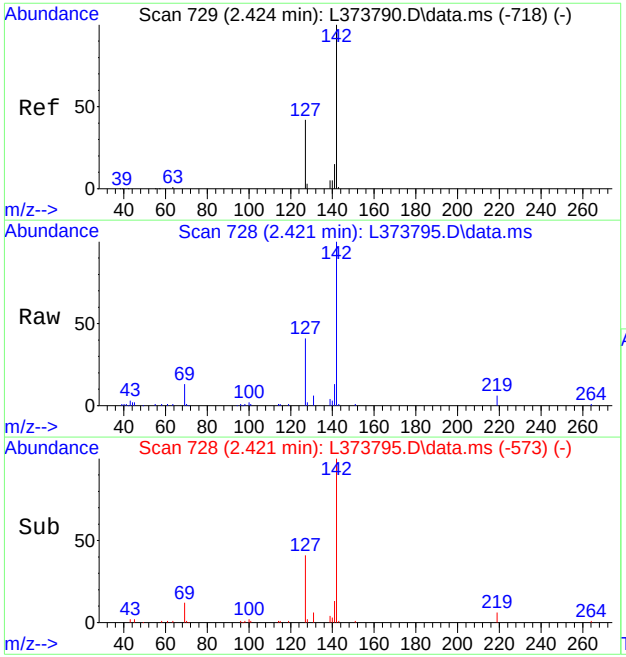


#19
acetonitrile
Concen: 538.39 ug/L
RT: 2.511 min Scan# 756
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 40 Resp: 187595

Ion	Ratio	Lower	Upper
40	100		
41	188.7	158.5	218.5
39	37.0	8.2	68.2

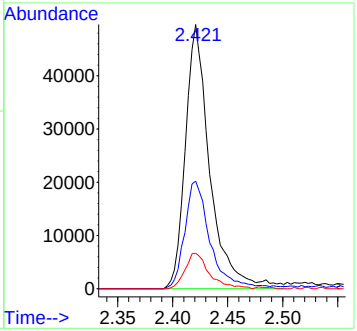


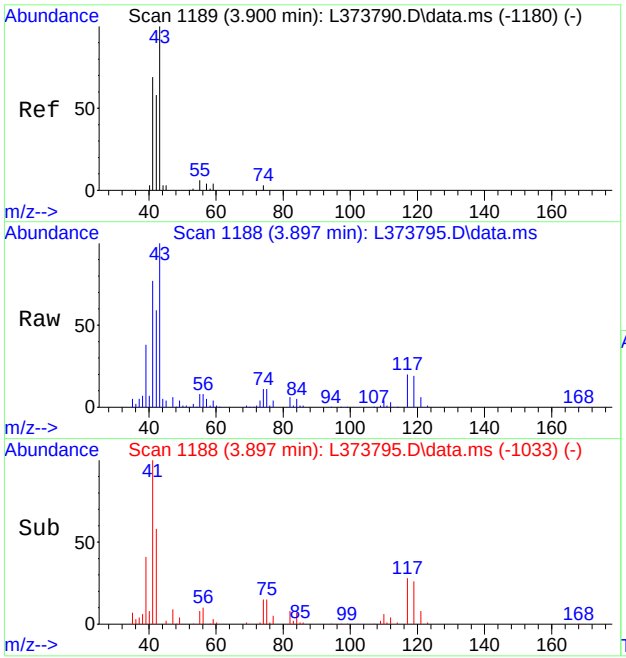


#20
iodomethane
Concen: 43.11 ug/L
RT: 2.421 min Scan# 728
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion:142 Resp: 77091

Ion	Ratio	Lower	Upper
142	100		
127	40.7	12.2	72.2
141	13.5	0.0	44.6

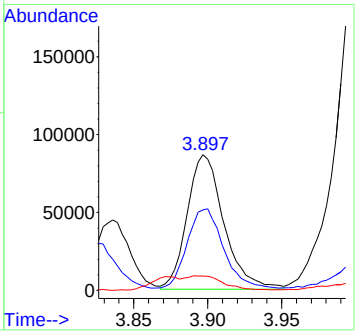


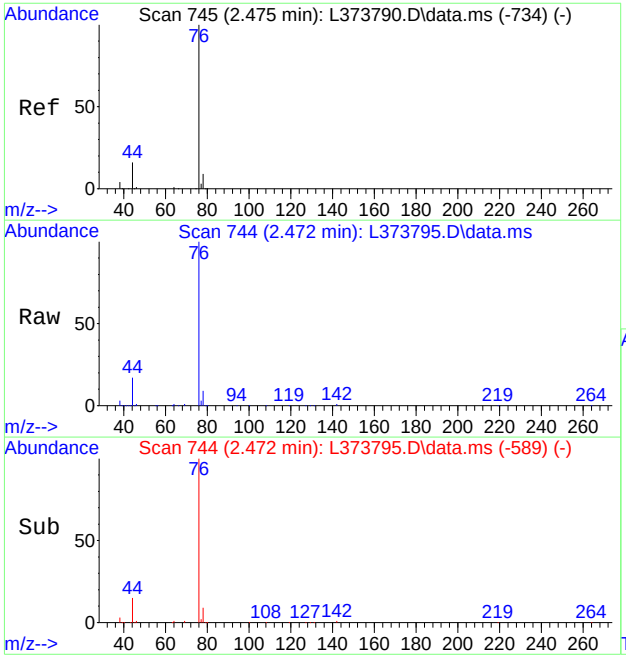


#21
iso-butyl alcohol
Concen: 494.19 ug/L
RT: 3.897 min Scan# 1188
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 43 Resp: 149409

Ion	Ratio	Lower	Upper
43	100		
42	59.3	28.3	88.3
74	10.3	0.0	40.9

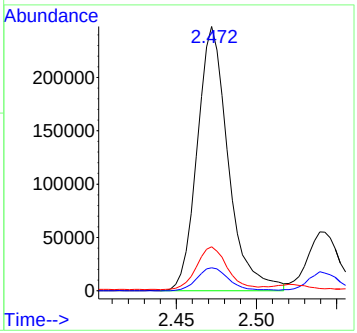


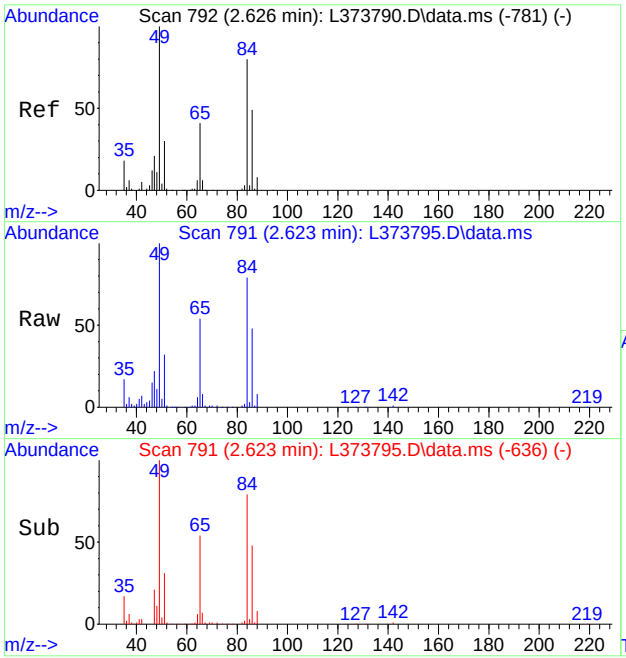


#22
carbon disulfide
Concen: 47.00 ug/L
RT: 2.472 min Scan# 744
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 76 Resp: 334073

Ion	Ratio	Lower	Upper
76	100		
78	8.7	0.0	38.9
44	16.2	0.0	46.1

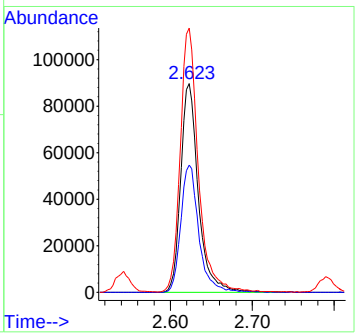


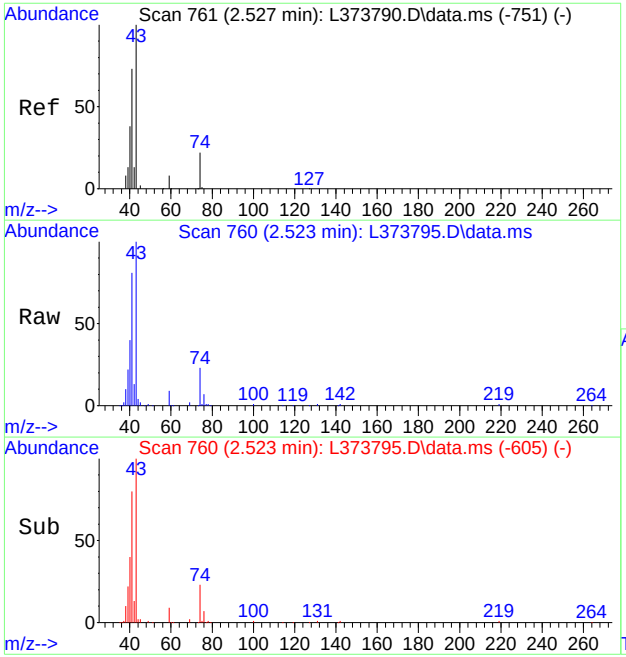


#23
methylene chloride
Concen: 48.24 ug/L
RT: 2.623 min Scan# 791
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 84 Resp: 134539

Ion	Ratio	Lower	Upper
84	100		
86	60.9	31.2	91.2
49	126.2	95.6	155.6

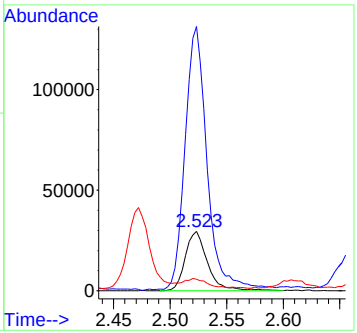


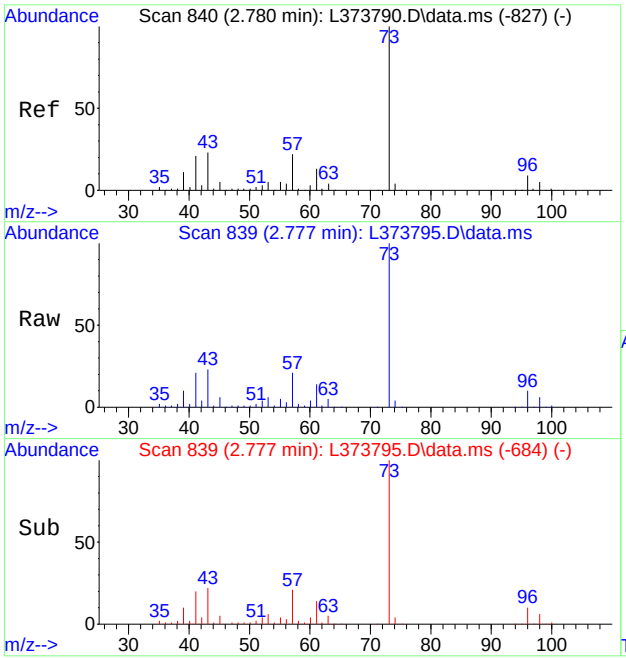


#24
methyl acetate
Concen: 57.83 ug/L
RT: 2.523 min Scan# 760
Delta R.T. -0.004 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 74 Resp: 40626

Ion	Ratio	Lower	Upper
74	100		
43	441.2	417.7	477.7
44	2.7	0.0	39.0

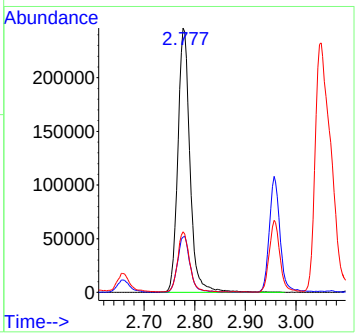


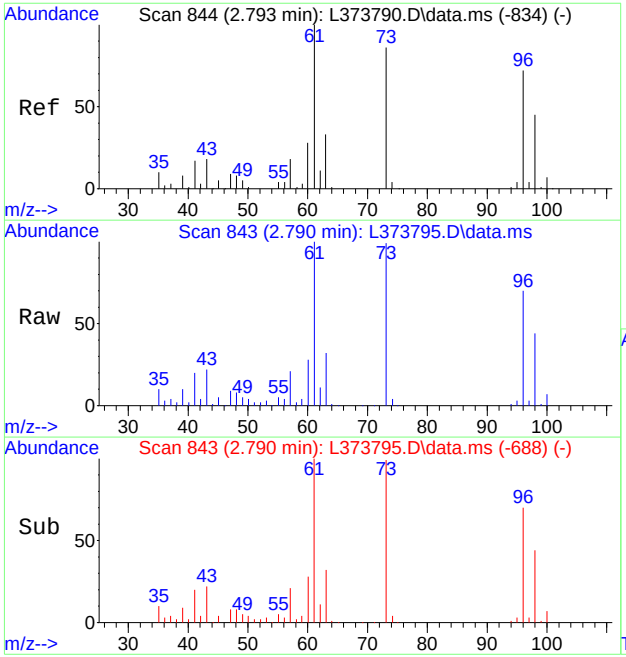


#25
methyl tert butyl ether
Concen: 54.67 ug/L
RT: 2.777 min Scan# 839
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 73 Resp: 408680

Ion	Ratio	Lower	Upper
73	100		
57	20.8	0.0	52.4
43	22.6	0.0	52.7

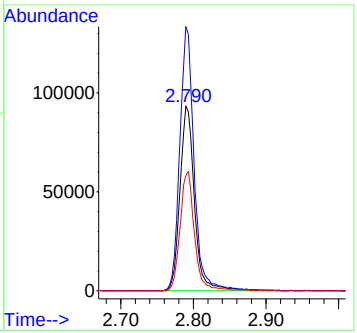


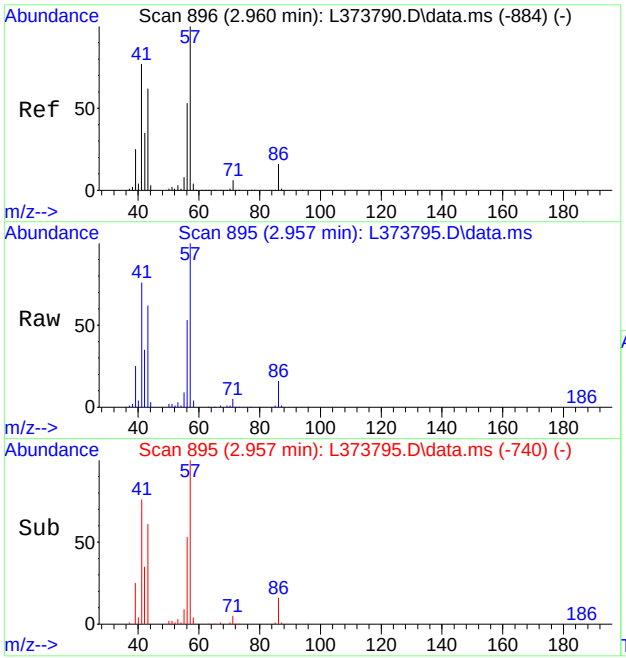


#26
trans-1,2-dichloroethene
Concen: 50.74 ug/L
RT: 2.790 min Scan# 843
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 96 Resp: 130363

Ion	Ratio	Lower	Upper
96	100		
61	143.0	109.1	169.1
98	62.4	32.0	92.0

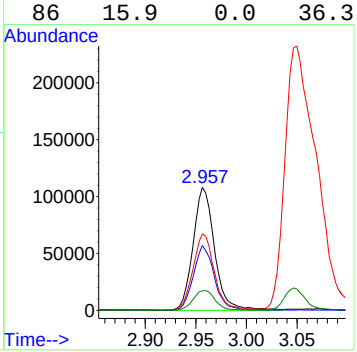


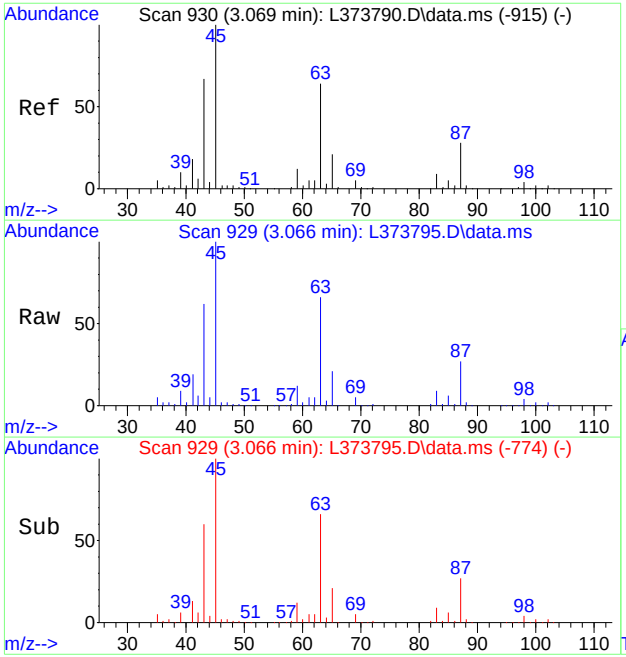


#27
hexane
Concen: 50.36 ug/L
RT: 2.957 min Scan# 895
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 57 Resp: 159818

Ion	Ratio	Lower	Upper
57	100		
56	52.9	32.9	72.9
43	61.9	41.9	81.9
86	15.9	0.0	36.3

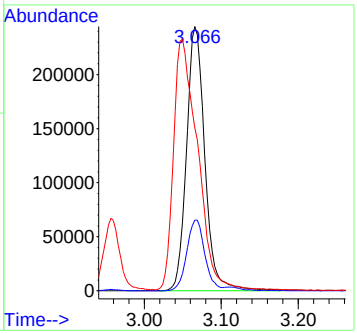


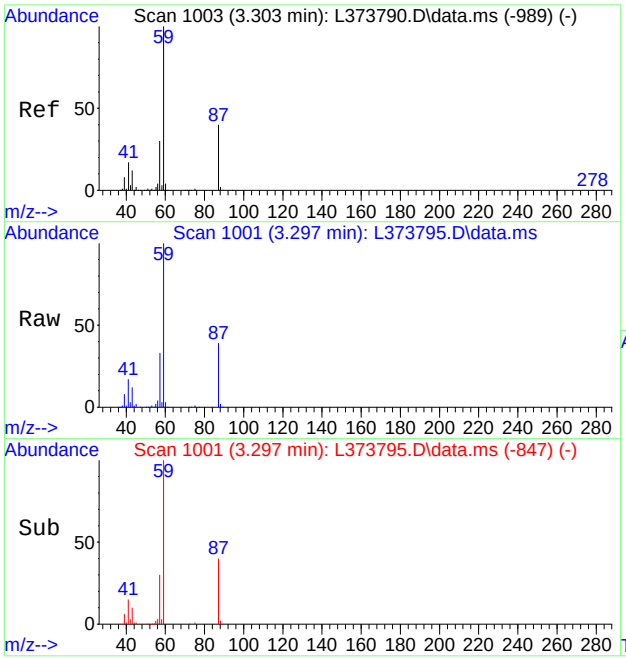


#28
di-isopropyl ether
Concen: 51.85 ug/L
RT: 3.066 min Scan# 929
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 45 Resp: 405737

Ion	Ratio	Lower	Upper
45	100		
87	26.8	0.0	57.5
43	61.1	37.5	97.5

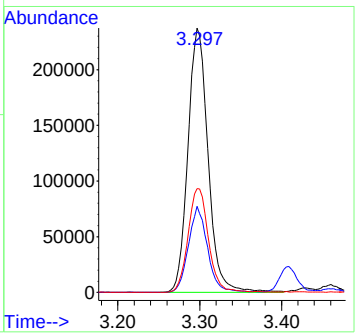


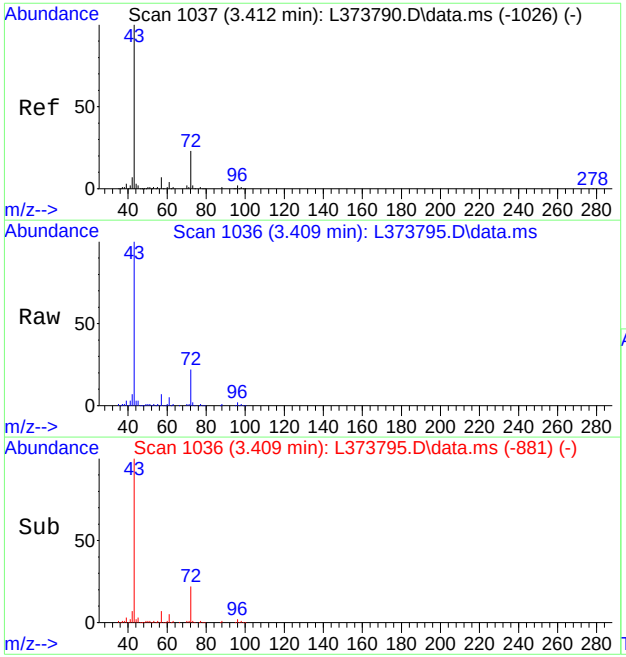


#29
ethyl tert-butyl ether
Concen: 50.57 ug/L
RT: 3.297 min Scan# 1001
Delta R.T. -0.006 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 59 Resp: 406437

Ion	Ratio	Lower	Upper
59	100		
57	32.6	0.3	60.3
87	39.2	9.6	69.6

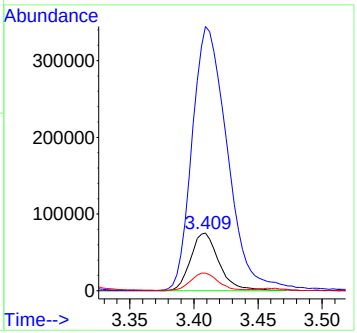


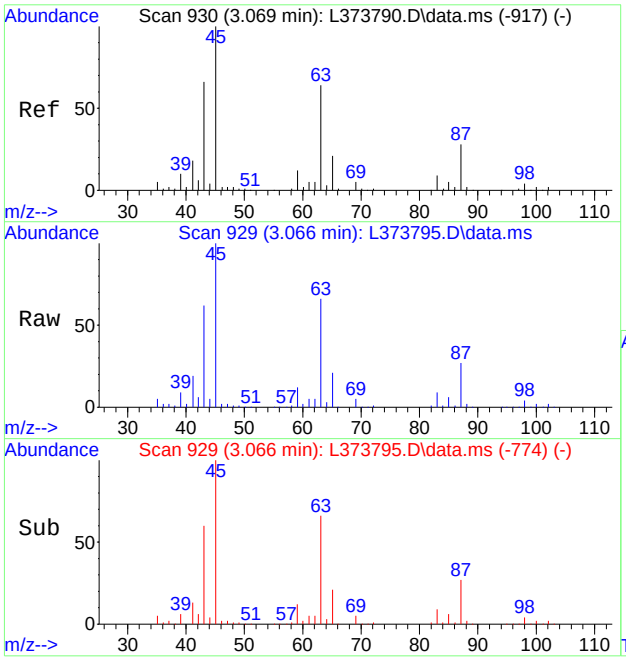


#30
2-butanone
Concen: 207.86 ug/L
RT: 3.409 min Scan# 1036
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 72 Resp: 116268

Ion	Ratio	Lower	Upper
72	100		
43	456.9	411.9	471.9
57	29.9	2.4	62.4

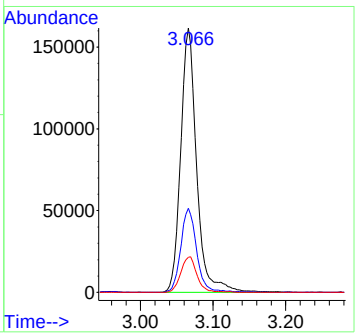


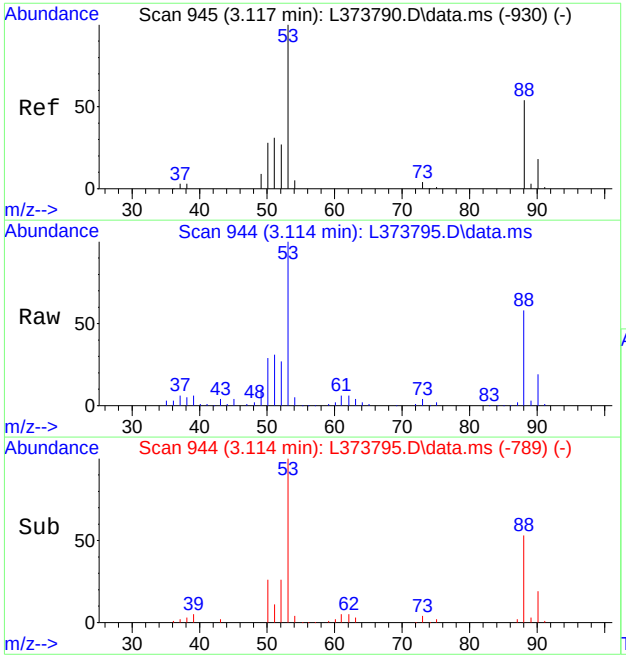


#31
1,1-dichloroethane
Concen: 51.00 ug/L
RT: 3.066 min Scan# 929
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 63 Resp: 247541

Ion	Ratio	Lower	Upper
63	100		
65	31.8	2.5	62.5
83	13.3	0.0	43.5

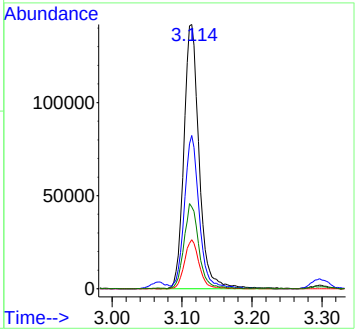


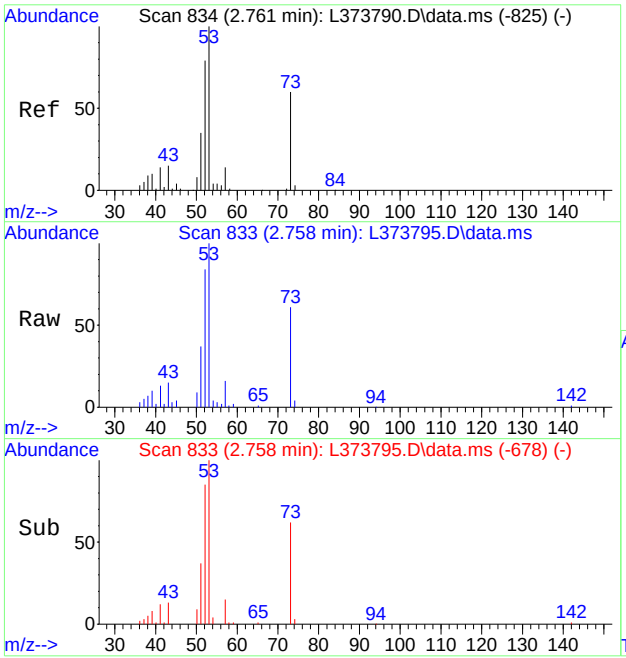


#32
chloroprene
Concen: 51.76 ug/L
RT: 3.114 min Scan# 944
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 53 Resp: 216108

Ion	Ratio	Lower	Upper
53	100		
88	58.0	26.2	86.2
90	18.5	0.0	47.9
51	30.9	0.9	60.9

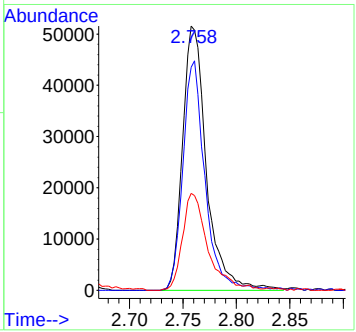


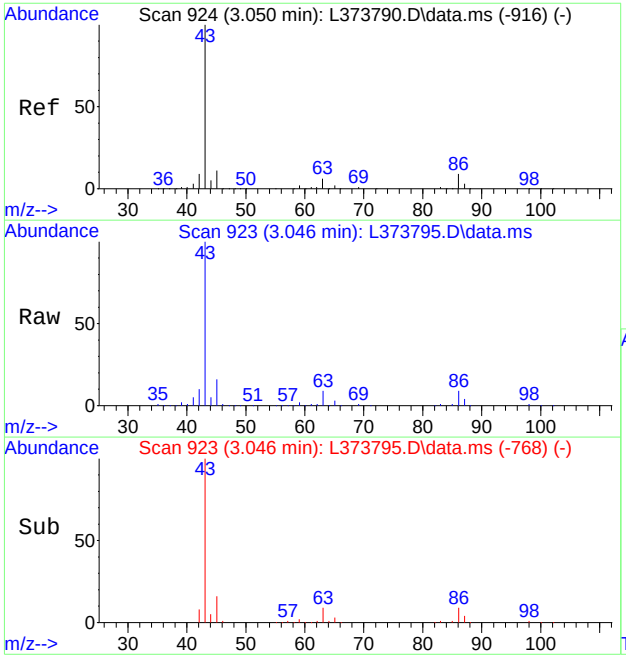


#33
acrylonitrile
Concen: 59.84 ug/L
RT: 2.758 min Scan# 833
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 53 Resp: 80159

Ion	Ratio	Lower	Upper
53	100		
52	84.4	48.8	108.8
51	36.7	4.6	64.6

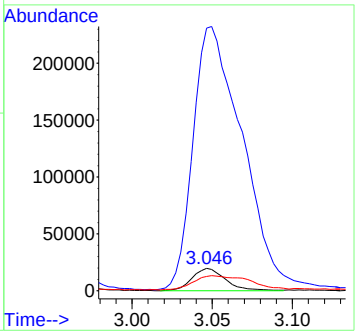


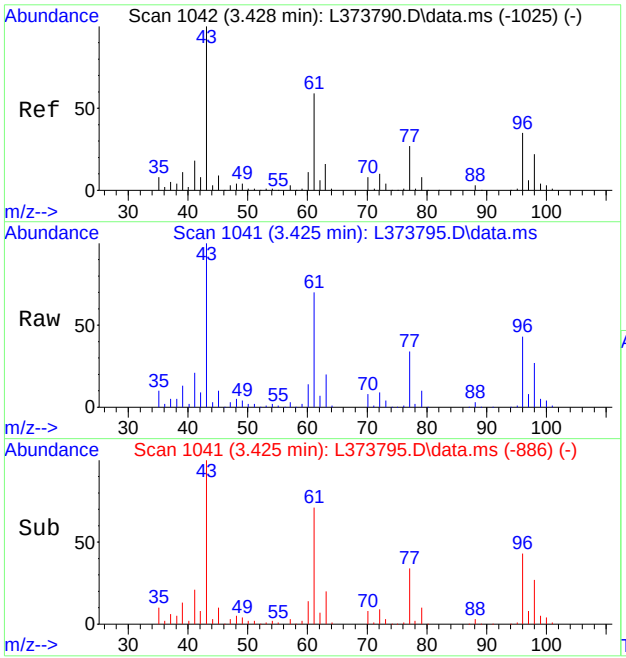


#34
vinyl acetate
Concen: 45.60 ug/L
RT: 3.046 min Scan# 923
Delta R.T. -0.004 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 86 Resp: 28961

Ion	Ratio	Lower	Upper
86	100		
43	1159.6	1076.3	1136.3#
44	59.5	23.6	83.6

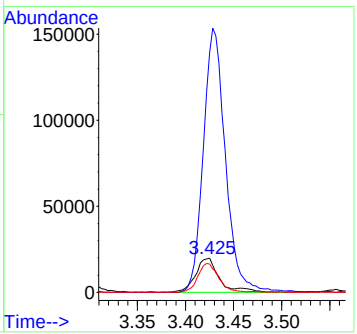


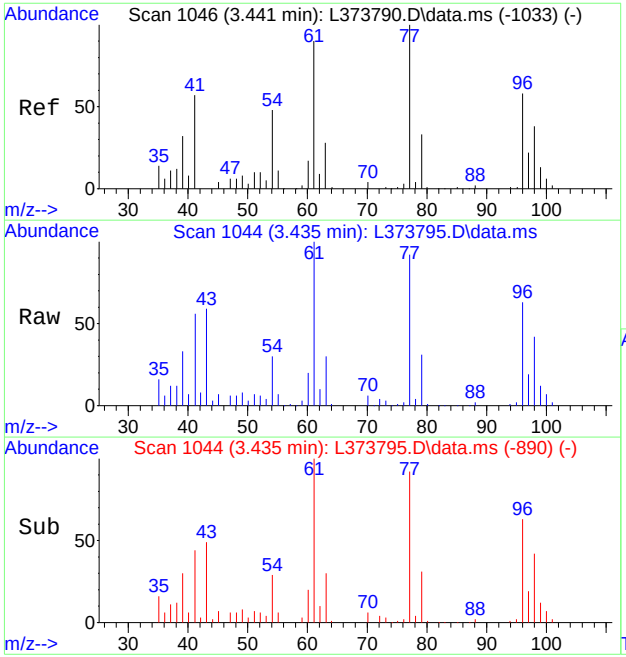


#35
ethyl acetate
Concen: 50.34 ug/L
RT: 3.425 min Scan# 1041
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 45 Resp: 34834

Ion	Ratio	Lower	Upper
45	100		
61	700.4	598.6	658.6#
70	82.9	53.6	113.6

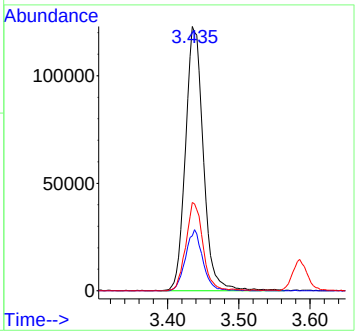


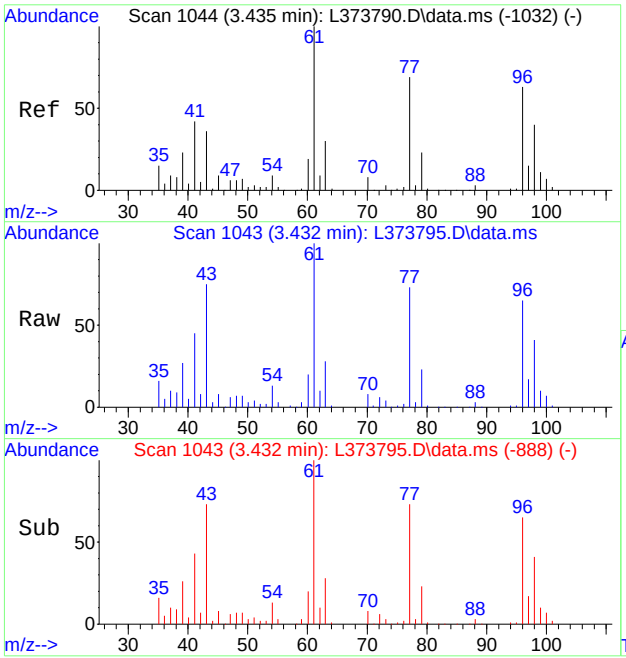


#36
2,2-dichloropropane
Concen: 49.24 ug/L
RT: 3.435 min Scan# 1044
Delta R.T. -0.006 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 77 Resp: 215301

Ion	Ratio	Lower	Upper
77	100		
97	20.8	0.0	52.3
79	33.4	3.0	63.0

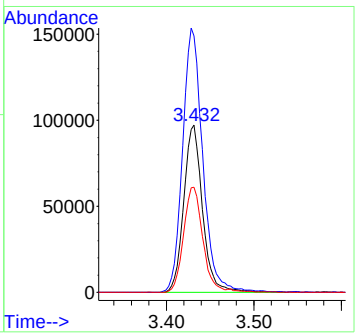


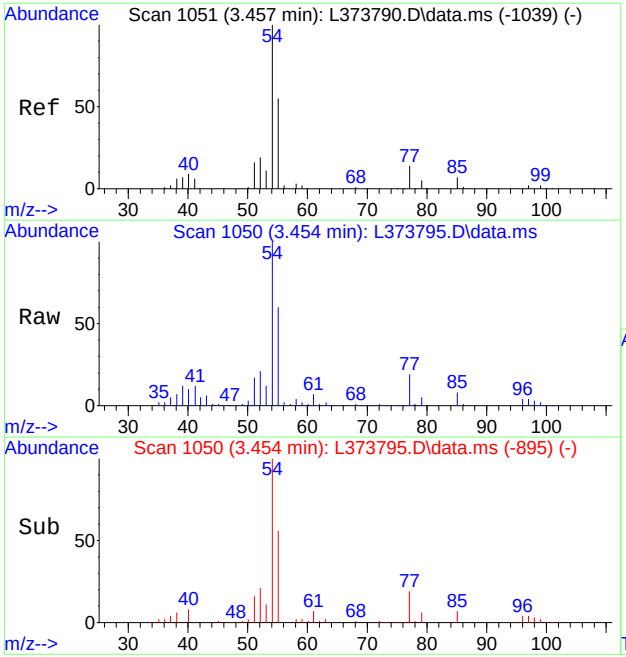


#37
cis-1,2-dichloroethene
Concen: 51.67 ug/L
RT: 3.432 min Scan# 1043
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 96 Resp: 145861

Ion	Ratio	Lower	Upper
96	100		
61	153.3	128.7	188.7
98	62.8	34.1	94.1

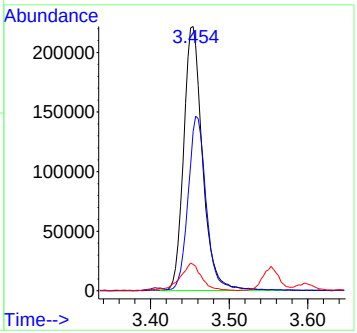


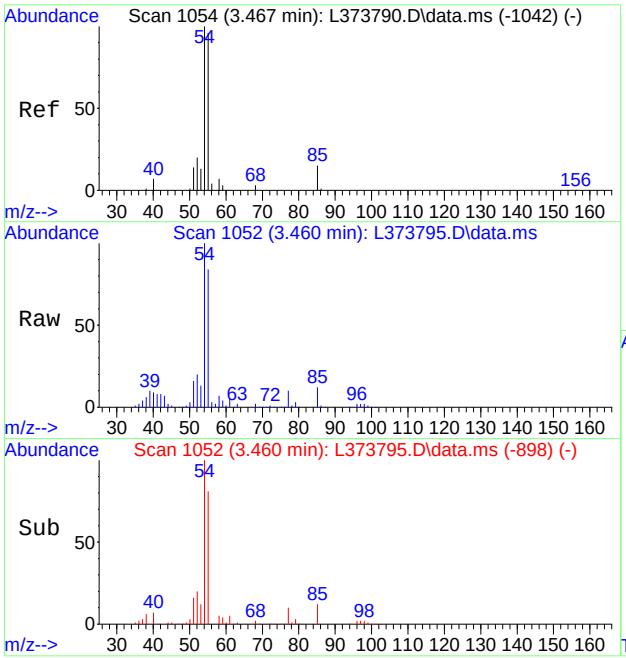


#38
propionitrile
Concen: 484.16 ug/L
RT: 3.454 min Scan# 1050
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 54 Resp: 368958

Ion	Ratio	Lower	Upper
54	100		
55	60.0	25.4	85.4
40	9.0	0.0	39.0

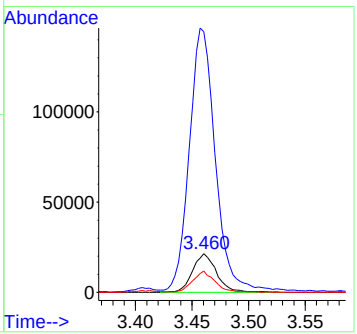


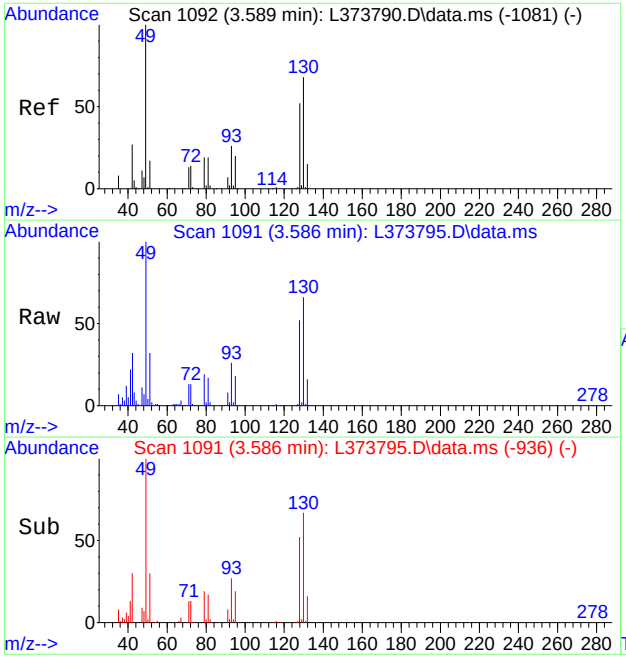


#39
methyl acrylate
Concen: 53.58 ug/L
RT: 3.460 min Scan# 1052
Delta R.T. -0.007 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 85 Resp: 31920

Ion	Ratio	Lower	Upper
85	100		
55	665.0	639.4	679.4
58	54.6	29.8	69.8

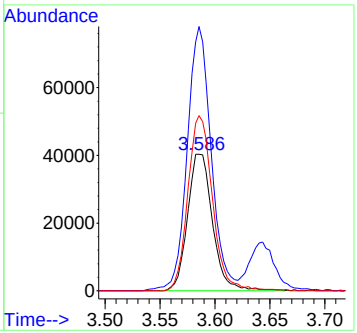


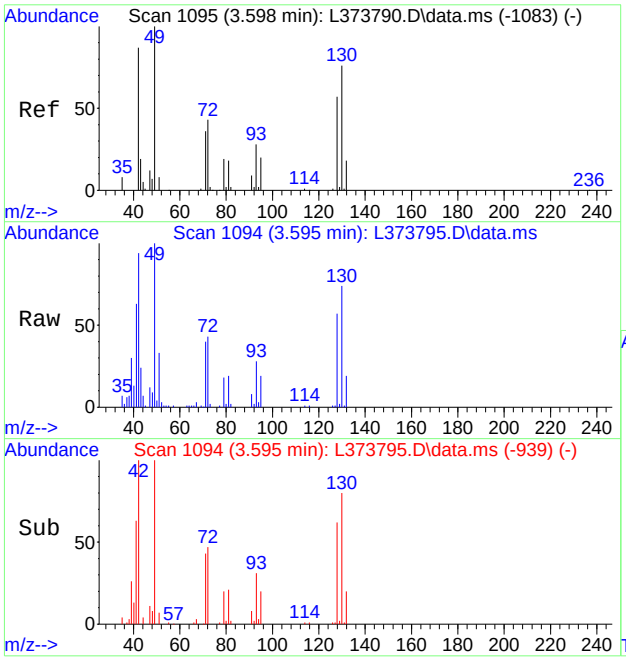


#40
bromochloromethane
Concen: 51.29 ug/L
RT: 3.586 min Scan# 1091
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion:128 Resp: 63758

Ion	Ratio	Lower	Upper
128	100		
49	191.0	163.3	223.3
130	128.2	100.3	160.3

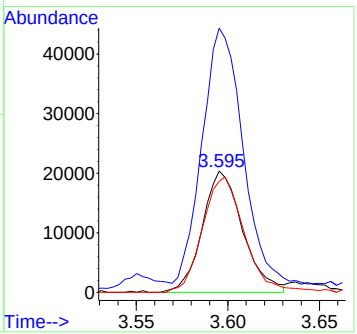


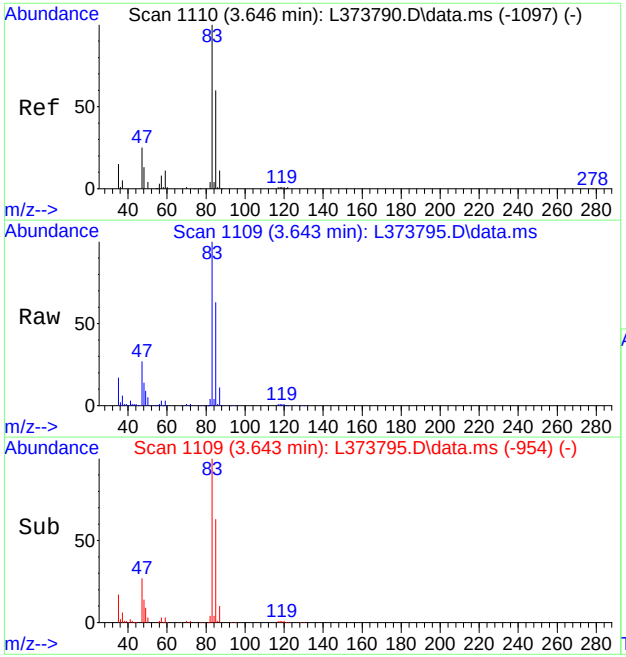


#41
tetrahydrofuran
Concen: 45.03 ug/L
RT: 3.595 min Scan# 1094
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 72 Resp: 31386

Ion	Ratio	Lower	Upper
72	100		
42	208.9	183.3	243.3
71	91.6	53.5	113.5

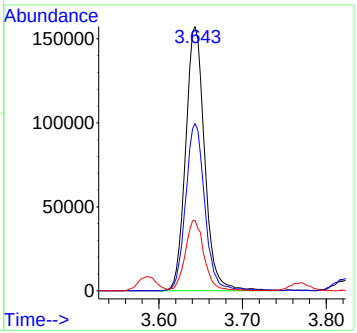


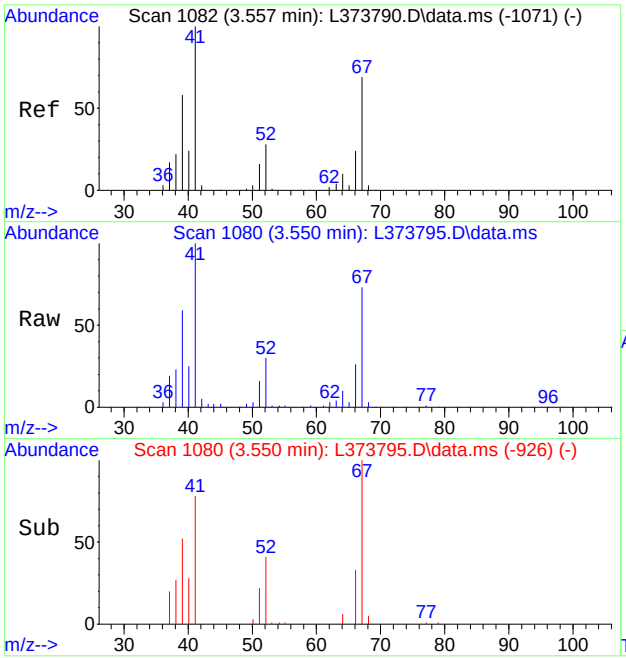


#42
chloroform
Concen: 46.26 ug/L
RT: 3.643 min Scan# 1109
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 83 Resp: 249139

Ion	Ratio	Lower	Upper
83	100		
85	63.3	29.7	89.7
47	25.8	0.0	54.6

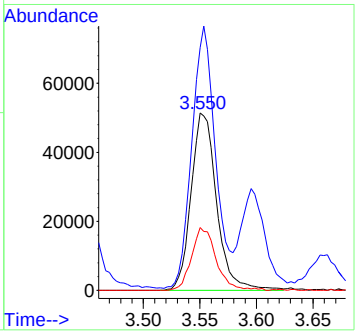


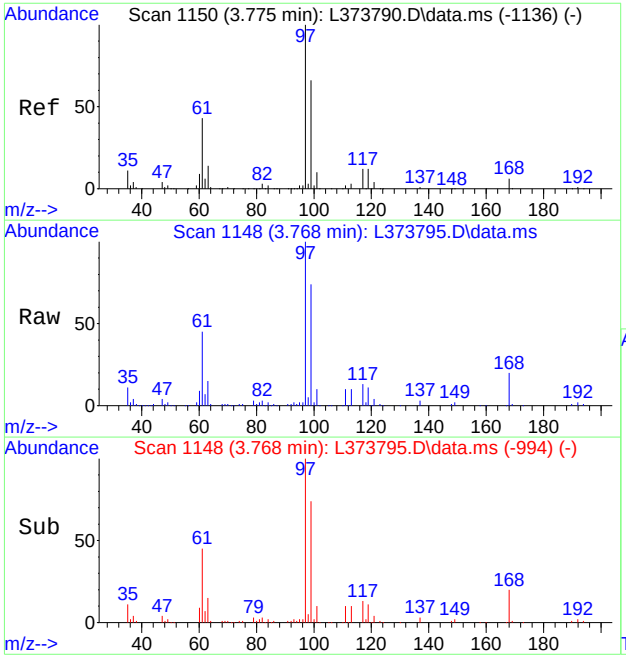


#44
methacrylonitrile
Concen: 49.74 ug/L
RT: 3.550 min Scan# 1080
Delta R.T. -0.007 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 67 Resp: 80835

Ion	Ratio	Lower	Upper
67	100		
41	135.2	115.3	175.3
66	35.3	4.3	64.3

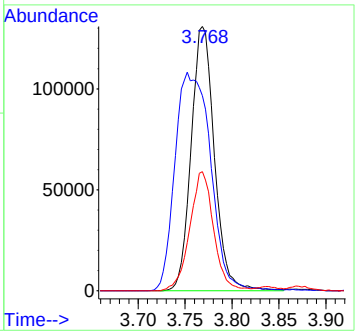


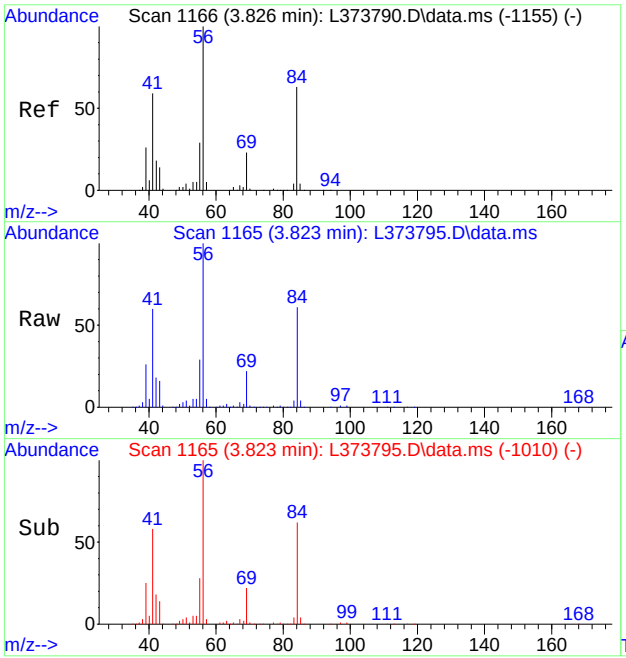


#45
1,1,1-trichloroethane
Concen: 52.96 ug/L
RT: 3.768 min Scan# 1148
Delta R.T. -0.007 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 97 Resp: 225875

Ion	Ratio	Lower	Upper
97	100		
99	73.5	41.0	101.0
61	45.1	12.9	72.9

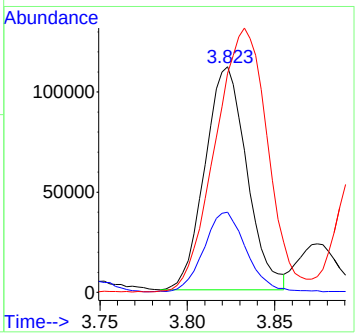


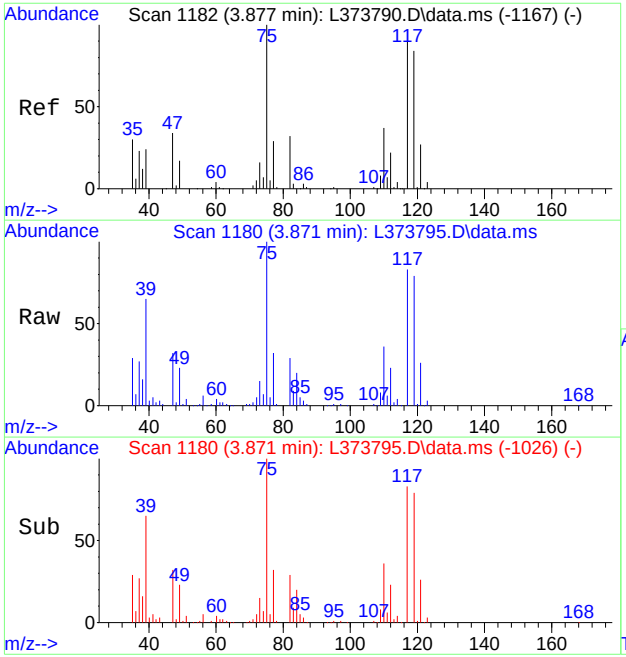


#46
cyclohexane
Concen: 52.48 ug/L
RT: 3.823 min Scan# 1165
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 84 Resp: 185960

Ion	Ratio	Lower	Upper
84	100		
69	35.5	16.2	56.2
41	97.7	73.6	113.6

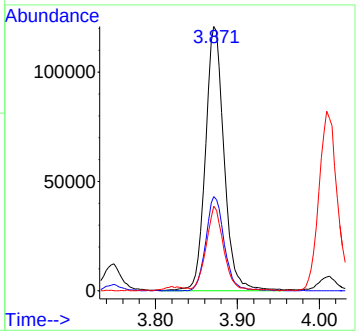


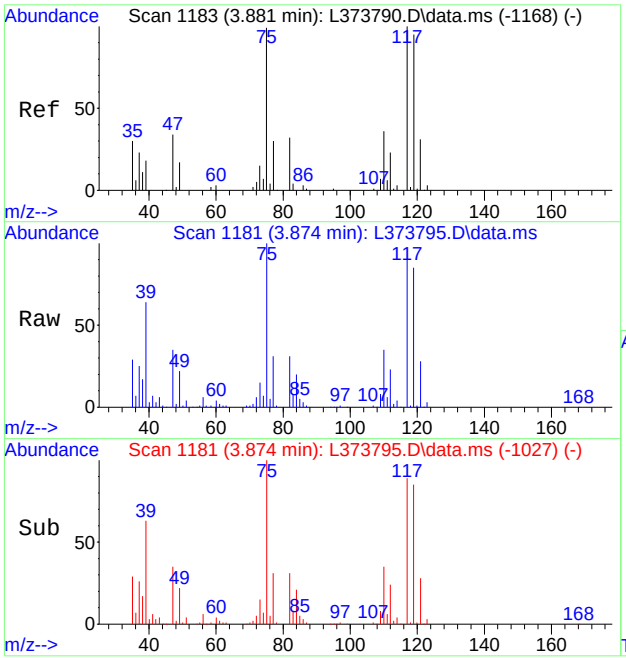


#47
1,1-dichloropropene
Concen: 55.25 ug/L
RT: 3.871 min Scan# 1180
Delta R.T. -0.006 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 75 Resp: 191077

Ion	Ratio	Lower	Upper
75	100		
110	35.7	17.0	57.0
77	31.8	10.2	50.2

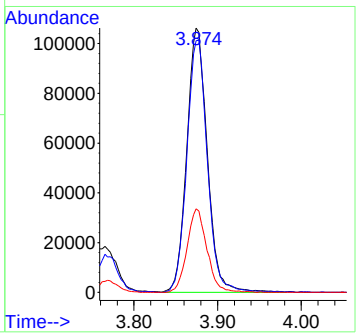


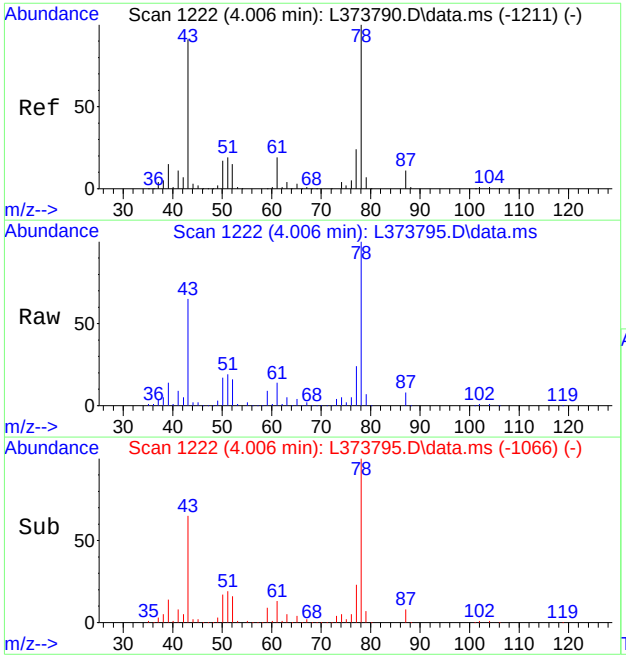


#48
carbon tetrachloride
Concen: 52.23 ug/L
RT: 3.874 min Scan# 1181
Delta R.T. -0.007 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion:117 Resp: 181577

Ion	Ratio	Lower	Upper
117	100		
119	95.2	74.4	114.4
121	31.6	10.8	50.8

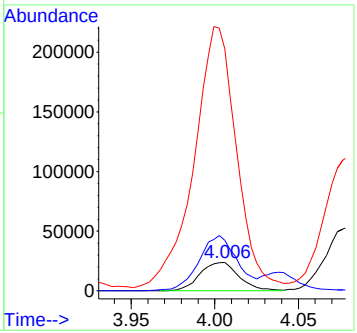


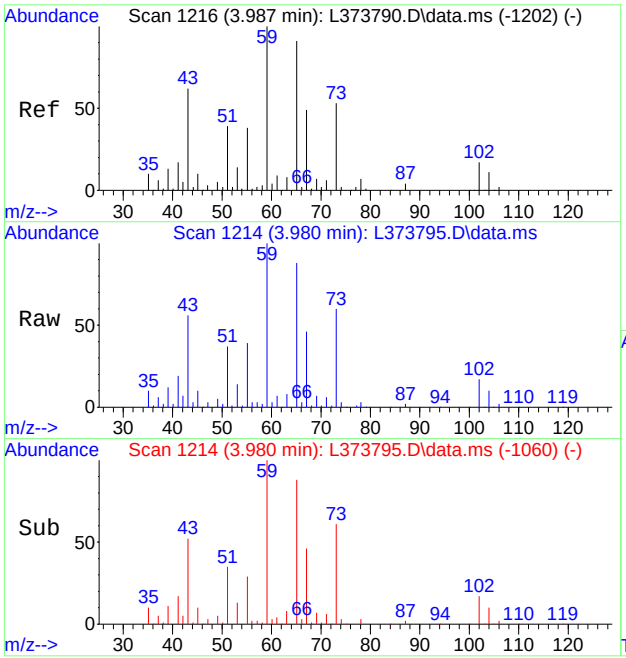


#49
isopropyl acetate
Concen: 50.30 ug/L
RT: 4.006 min Scan# 1222
Delta R.T. -0.000 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 87 Resp: 38807

Ion	Ratio	Lower	Upper
87	100		
61	174.6	152.1	192.1
43	826.3	844.1	904.1#

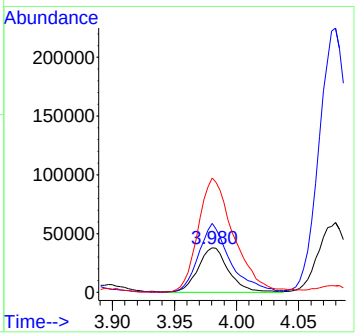


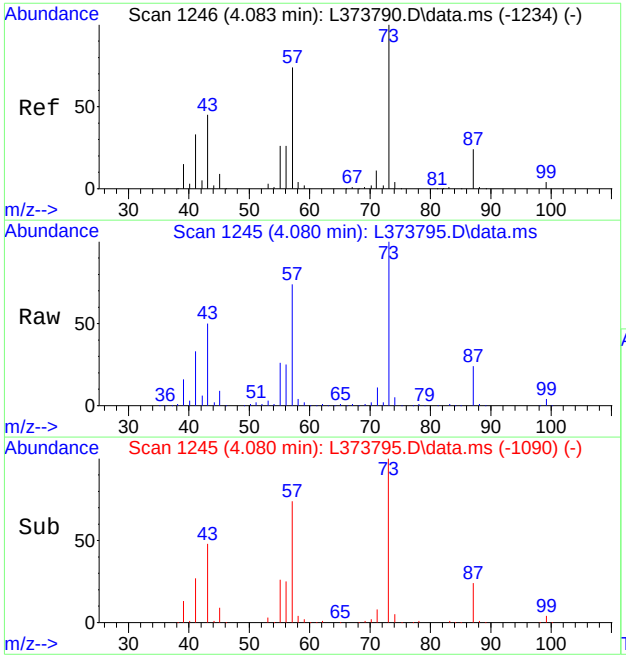


#50
tert amyl alcohol
Concen: 215.27 ug/L
RT: 3.980 min Scan# 1214
Delta R.T. -0.007 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 55 Resp: 65016

Ion	Ratio	Lower	Upper
55	100		
73	156.4	119.2	159.2
59	259.6	242.0	282.0

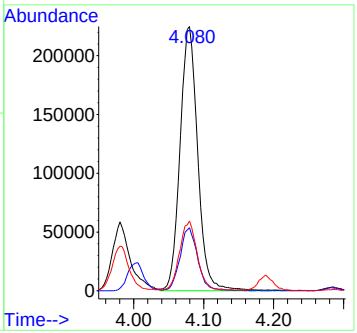


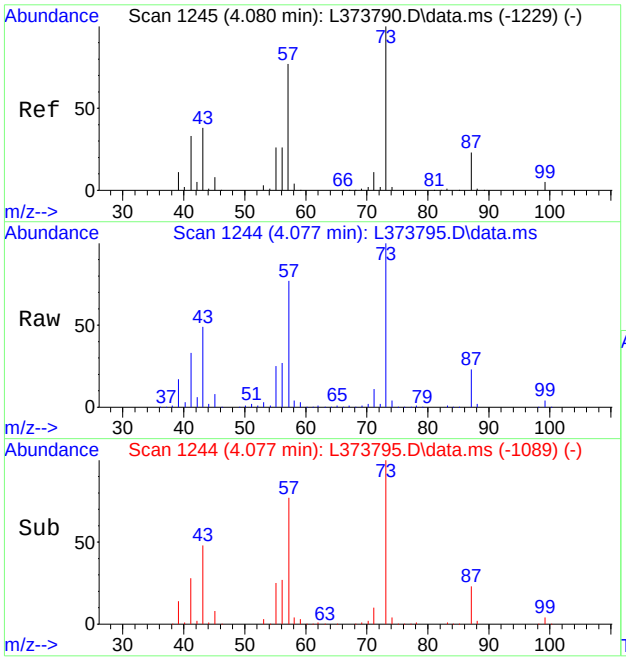


#53
tert-amyl methyl ether
Concen: 48.11 ug/L
RT: 4.080 min Scan# 1245
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 73 Resp: 396377

Ion	Ratio	Lower	Upper
73	100		
87	23.9	4.6	44.6
55	26.1	5.7	45.7

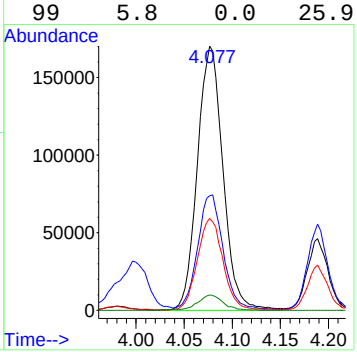


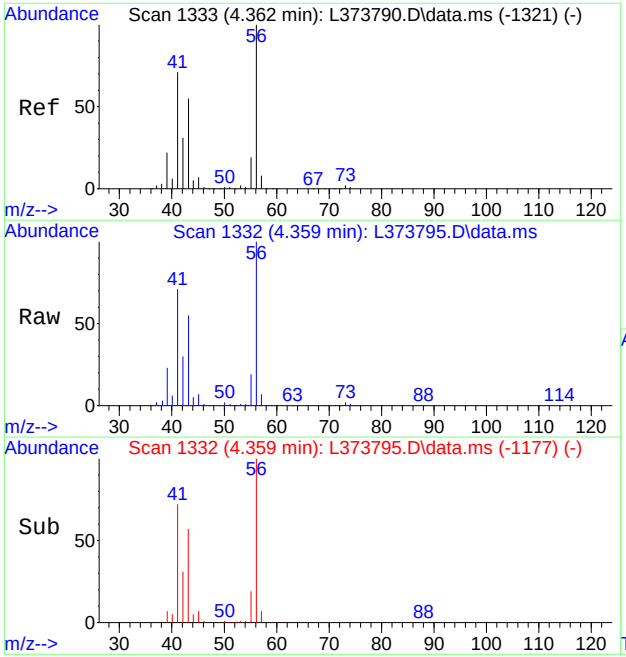


#54
2,2,4-trimethylpentane
Concen: 51.54 ug/L
RT: 4.077 min Scan# 1244
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 57 Resp: 316077

Ion	Ratio	Lower	Upper
57	100		
41	42.9	25.1	65.1
56	34.6	13.8	53.8
99	5.8	0.0	25.9

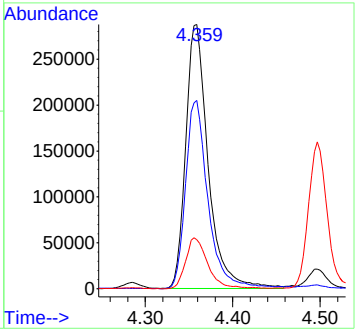


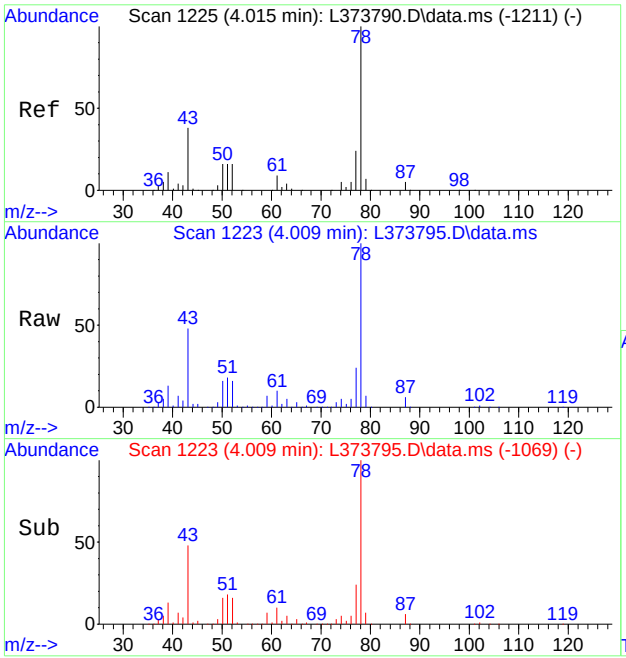


#55
n-butyl alcohol
Concen: 2121.15 ug/L
RT: 4.359 min Scan# 1332
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 56 Resp: 513677

Ion	Ratio	Lower	Upper
56	100		
41	71.3	40.6	100.6
55	18.6	0.0	49.1

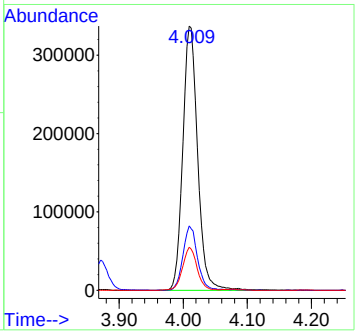


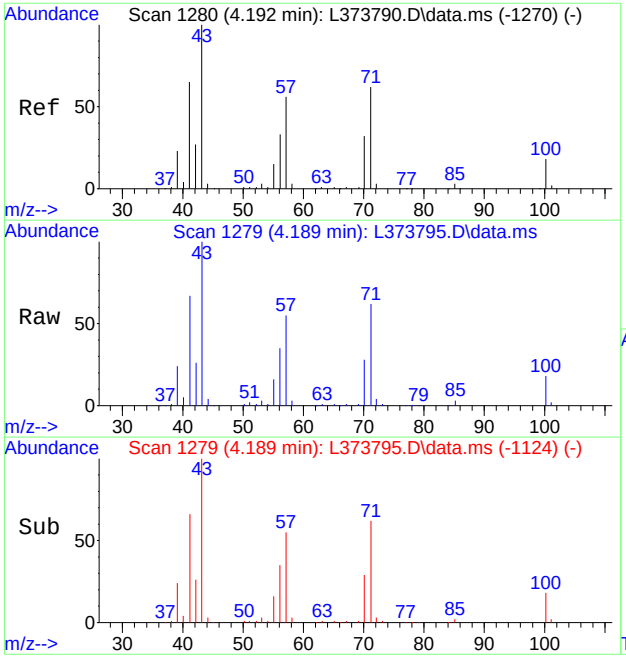


#56
benzene
Concen: 49.41 ug/L
RT: 4.009 min Scan# 1223
Delta R.T. -0.006 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 78 Resp: 544247

Ion	Ratio	Lower	Upper
78	100		
77	24.4	0.0	53.5
52	16.3	0.0	46.2

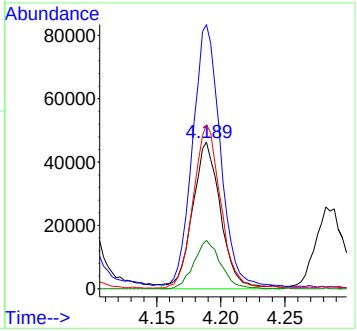


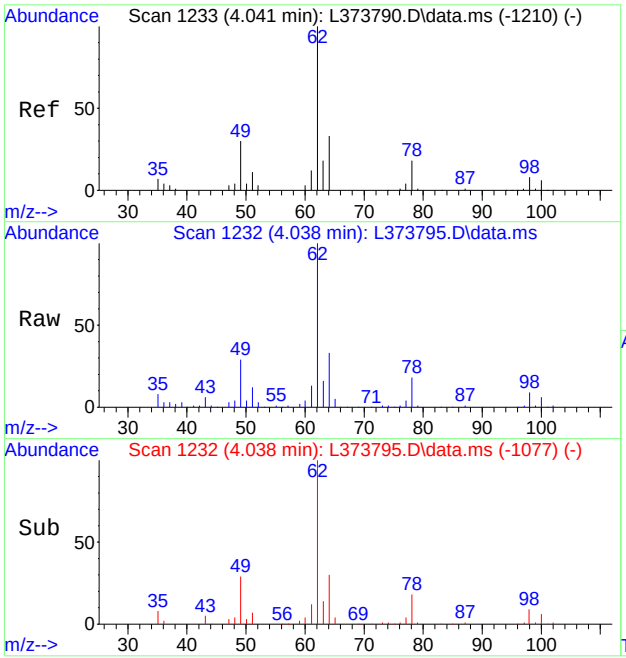


#57
heptane
Concen: 54.77 ug/L
RT: 4.189 min Scan# 1279
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 57 Resp: 71199

Ion	Ratio	Lower	Upper
57	100		
43	180.6	146.8	206.8
71	112.4	78.5	138.5
100	33.5	1.1	61.1

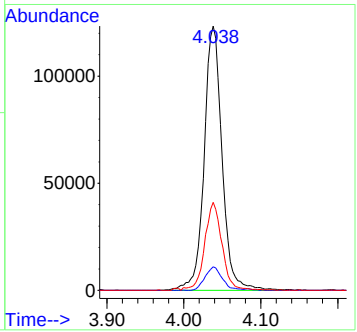


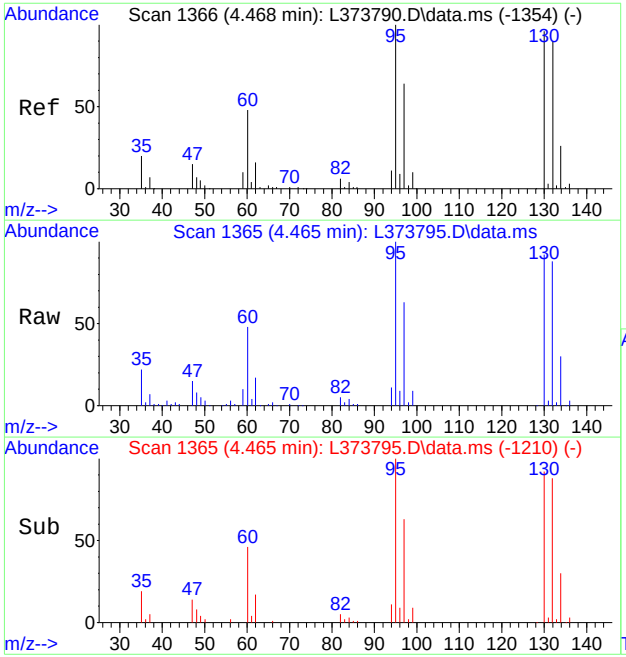


#58
1,2-dichloroethane
Concen: 47.79 ug/L
RT: 4.038 min Scan# 1232
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 62 Resp: 200369

Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	38.1
64	33.3	2.8	62.8

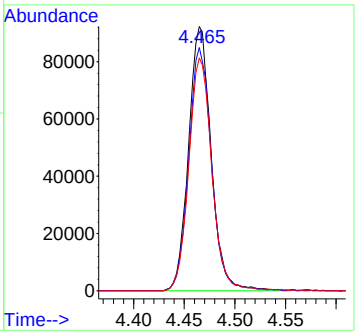


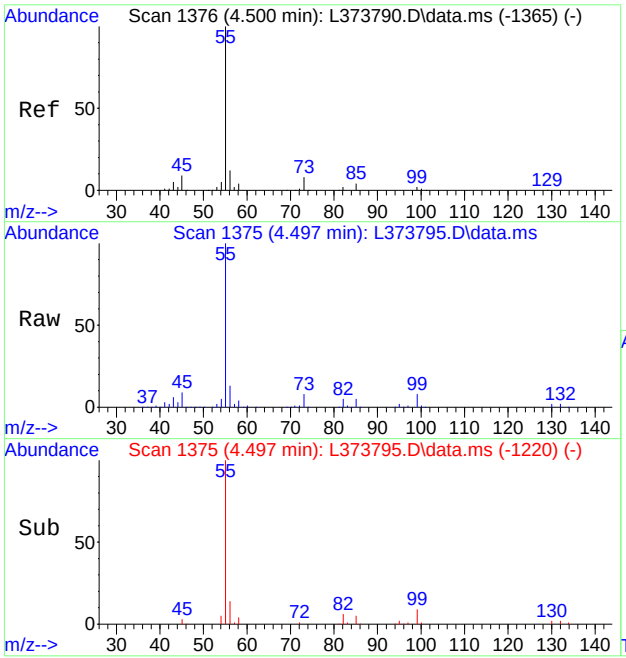


#59
trichloroethene
Concen: 51.76 ug/L
RT: 4.465 min Scan# 1365
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 95 Resp: 143545

Ion	Ratio	Lower	Upper
95	100		
130	92.0	65.5	125.5
132	88.1	59.7	119.7

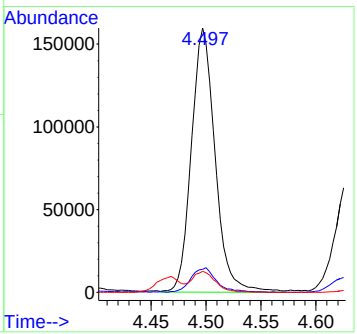


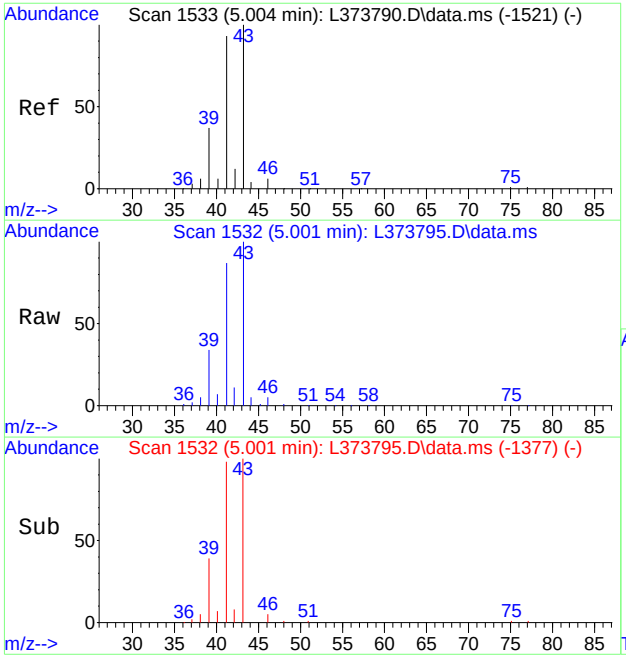


#60
ethyl acrylate
Concen: 48.27 ug/L
RT: 4.497 min Scan# 1375
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 55 Resp: 239560

Ion	Ratio	Lower	Upper
55	100		
45	8.6	0.0	28.6
99	8.1	0.0	27.8

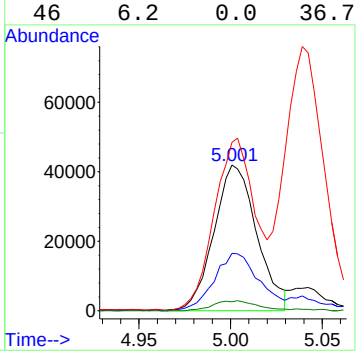


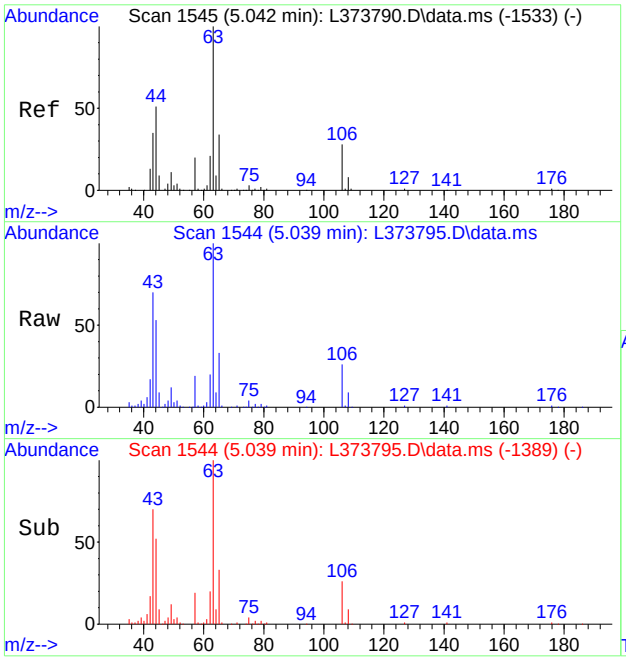


#61
2-nitropropane
Concen: 46.67 ug/L
RT: 5.001 min Scan# 1532
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 41 Resp: 68725

Ion	Ratio	Lower	Upper
41	100		
39	39.5	10.0	70.0
43	114.6	77.9	137.9
46	6.2	0.0	36.7

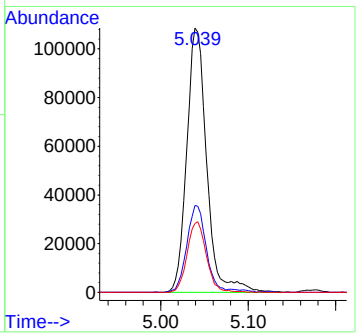


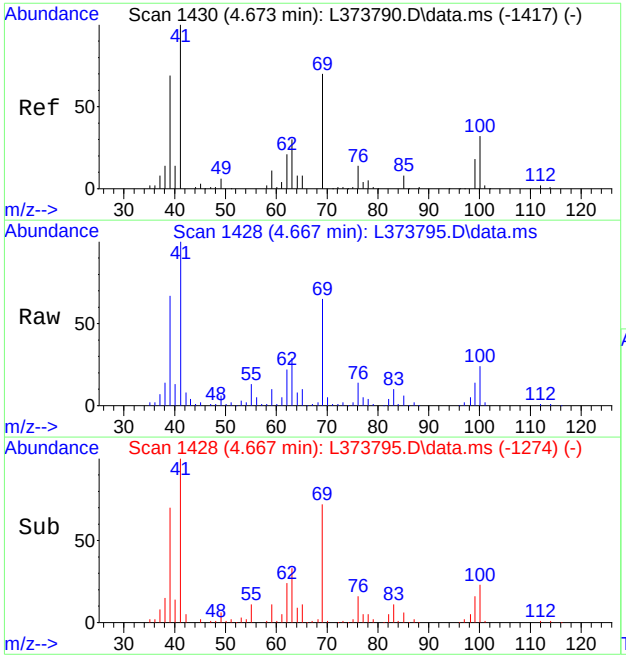


#62
2-chloroethyl vinyl ether
Concen: 180.82 ug/L
RT: 5.039 min Scan# 1544
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 63 Resp: 172438

Ion	Ratio	Lower	Upper
63	100		
65	32.8	3.9	63.9
106	26.1	0.0	57.6

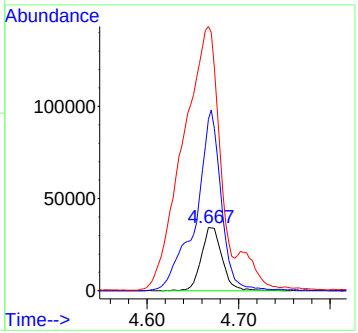


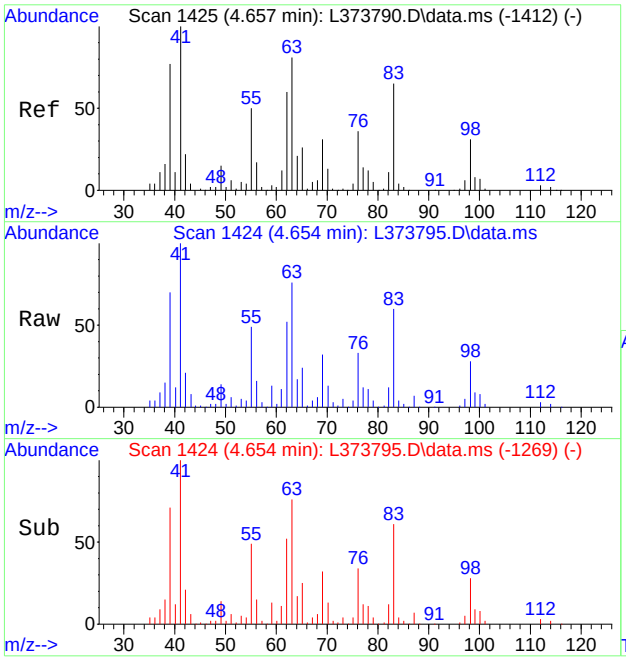


#63
methyl methacrylate
Concen: 59.49 ug/L
RT: 4.667 min Scan# 1428
Delta R.T. -0.006 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion:100 Resp: 54689

Ion	Ratio	Lower	Upper
100	100		
69	269.3	221.2	281.2
41	411.8	360.4	420.4

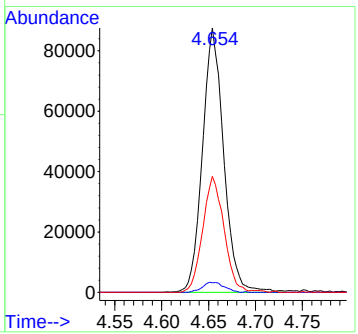


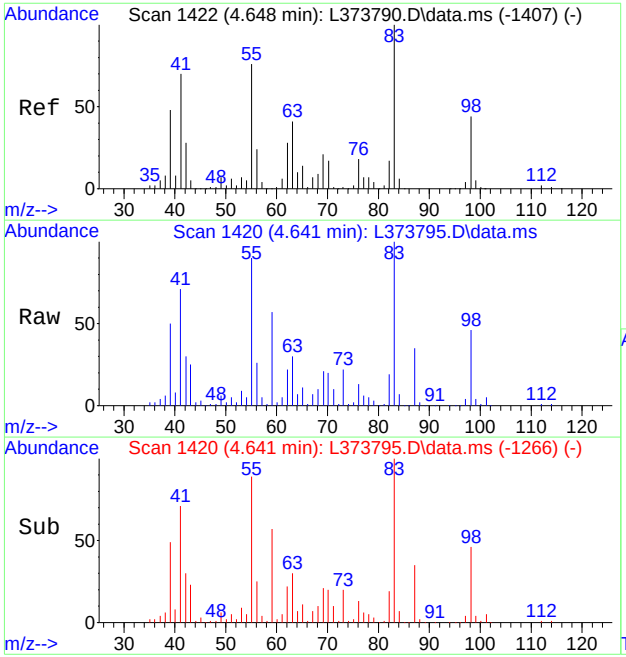


#64
1,2-dichloropropane
Concen: 49.19 ug/L
RT: 4.654 min Scan# 1424
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 63 Resp: 138296

Ion	Ratio	Lower	Upper
63	100		
112	3.6	0.0	34.1
76	43.9	14.3	74.3

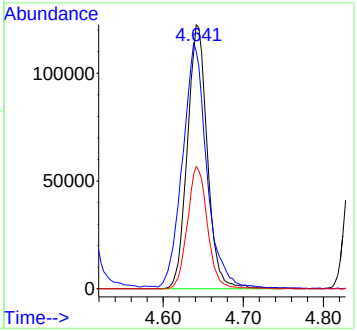


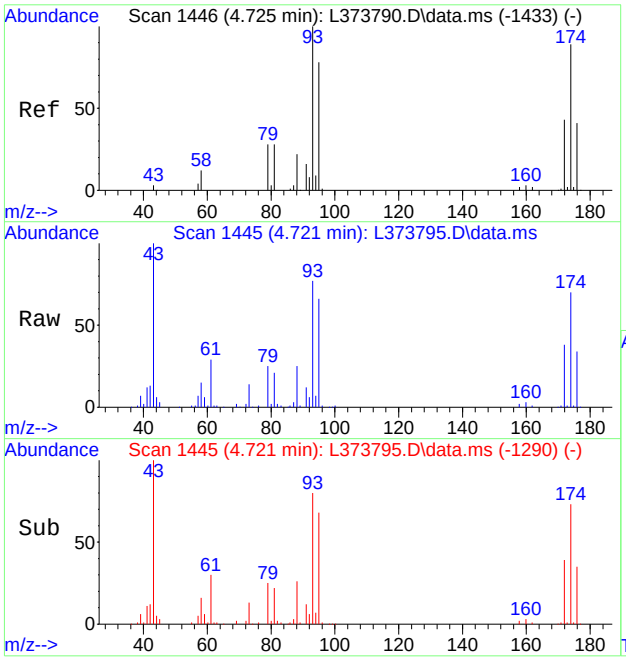


#65
methylcyclohexane
Concen: 55.88 ug/L
RT: 4.641 min Scan# 1420
Delta R.T. -0.007 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 83 Resp: 212430

Ion	Ratio	Lower	Upper
83	100		
55	89.3	46.3	106.3
98	46.3	13.7	73.7

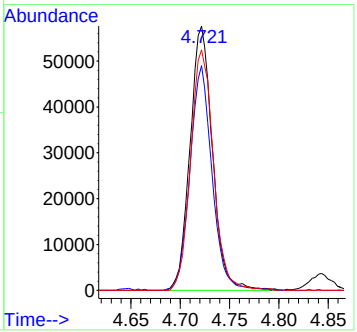


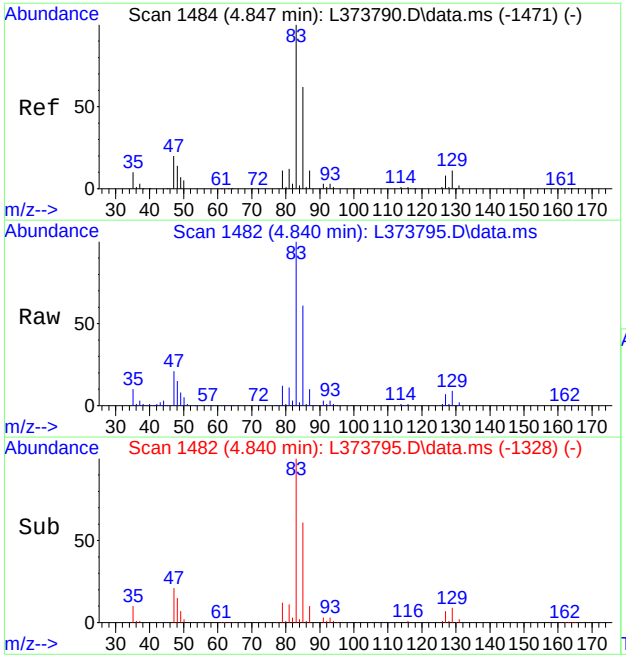


#66
dibromomethane
Concen: 47.28 ug/L
RT: 4.721 min Scan# 1445
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 93 Resp: 91592

Ion	Ratio	Lower	Upper
93	100		
95	85.0	48.3	108.3
174	90.9	59.2	119.2

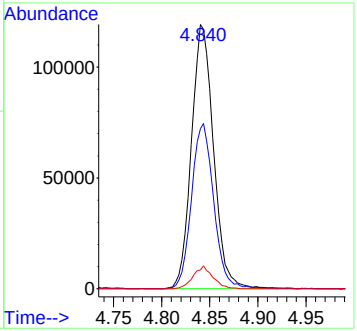


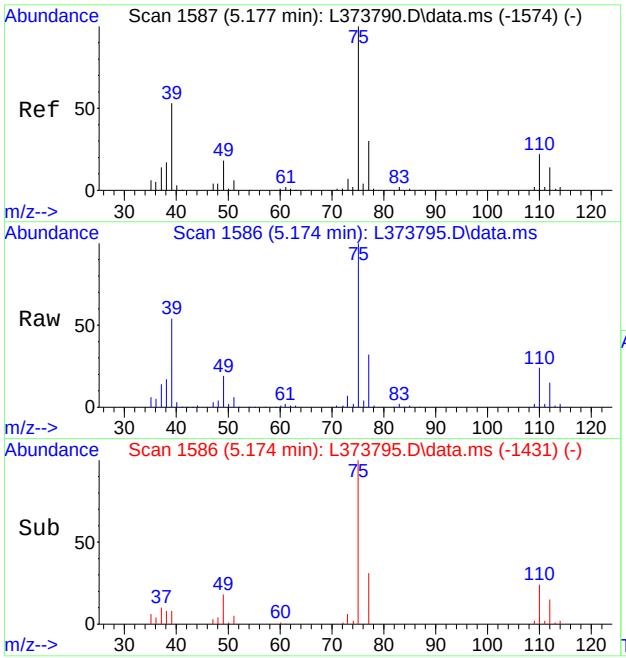


#67
bromodichloromethane
Concen: 47.61 ug/L
RT: 4.840 min Scan# 1482
Delta R.T. -0.007 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 83 Resp: 191040

Ion	Ratio	Lower	Upper
83	100		
85	60.6	31.5	91.5
127	7.1	0.0	38.3

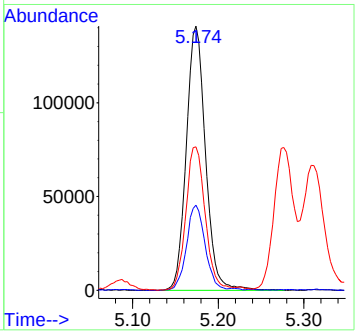


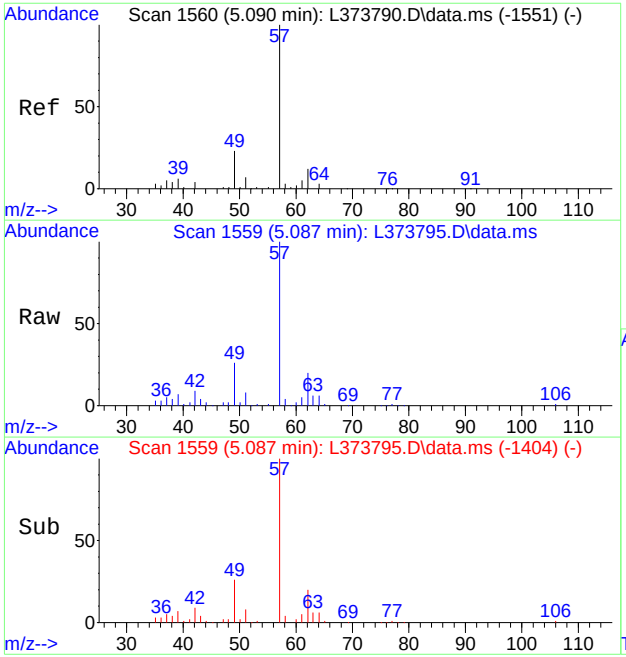


#68
cis-1,3-dichloropropene
Concen: 49.01 ug/L
RT: 5.174 min Scan# 1586
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 75 Resp: 220429

Ion	Ratio	Lower	Upper
75	100		
77	32.2	0.1	60.1
39	54.0	23.1	83.1

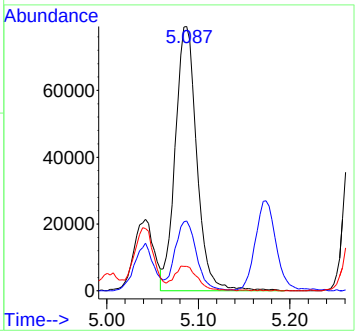


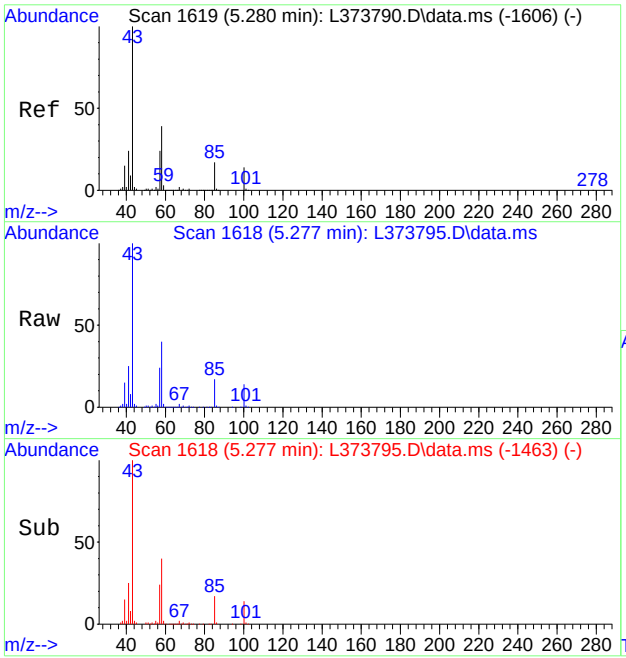


#69
epichlorohydrin
Concen: 225.80 ug/L
RT: 5.087 min Scan# 1559
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 57 Resp: 129472

Ion	Ratio	Lower	Upper
57	100		
49	21.5	1.0	41.0
42	9.3	0.0	29.5

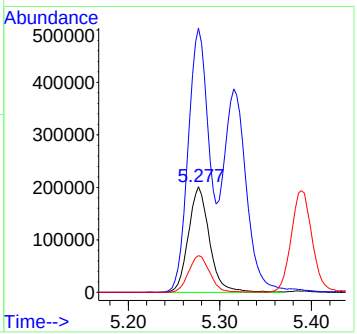


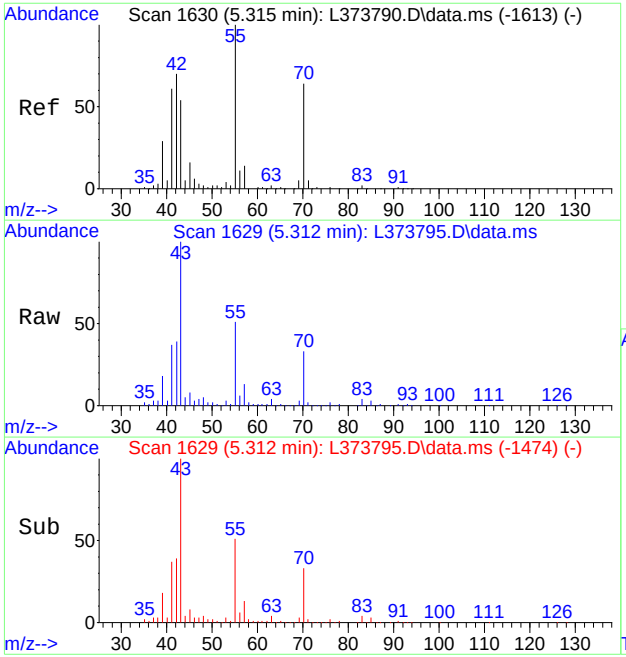


#70
4-methyl-2-pentanone
Concen: 181.96 ug/L
RT: 5.277 min Scan# 1618
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 58 Resp: 321657

Ion	Ratio	Lower	Upper
58	100		
43	249.6	233.3	273.3
100	34.8	15.2	55.2

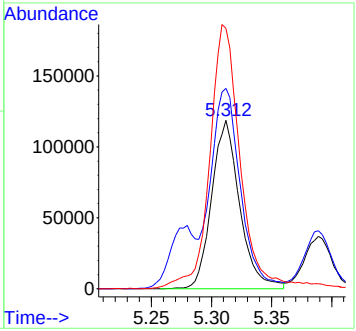


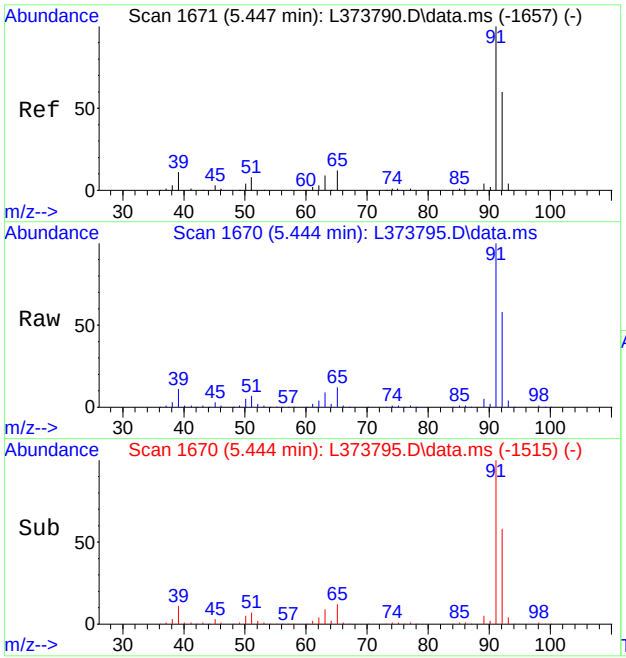


#71
3-methyl-1-butanol
Concen: 851.80 ug/L
RT: 5.312 min Scan# 1629
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 70 Resp: 192738

Ion	Ratio	Lower	Upper
70	100		
42	115.2	94.2	134.2
55	153.3	137.5	177.5

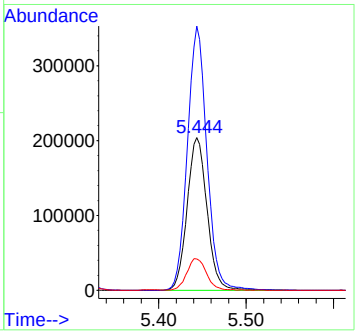


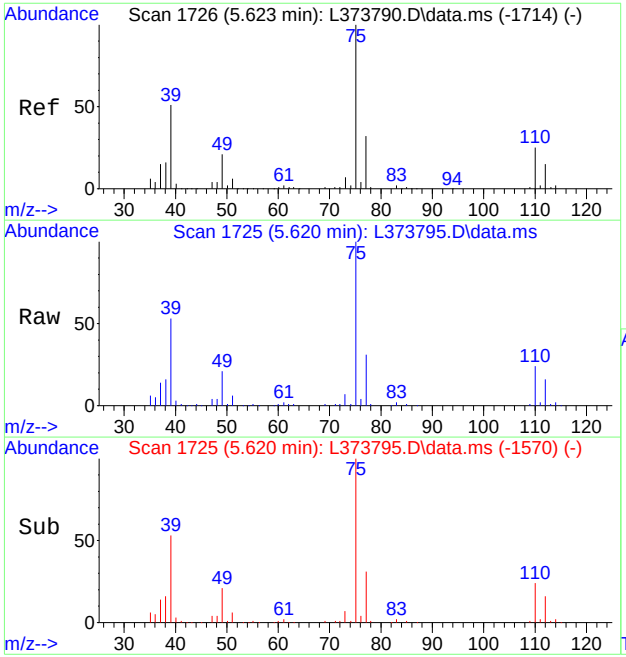


#74
toluene
Concen: 50.00 ug/L
RT: 5.444 min Scan# 1670
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 92 Resp: 324424

Ion	Ratio	Lower	Upper
92	100		
91	173.1	136.7	196.7
65	20.4	0.0	50.8

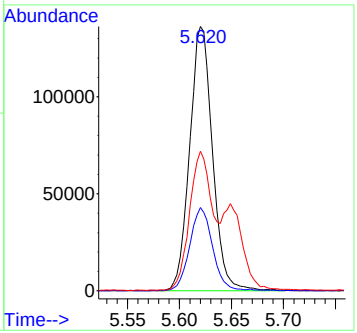


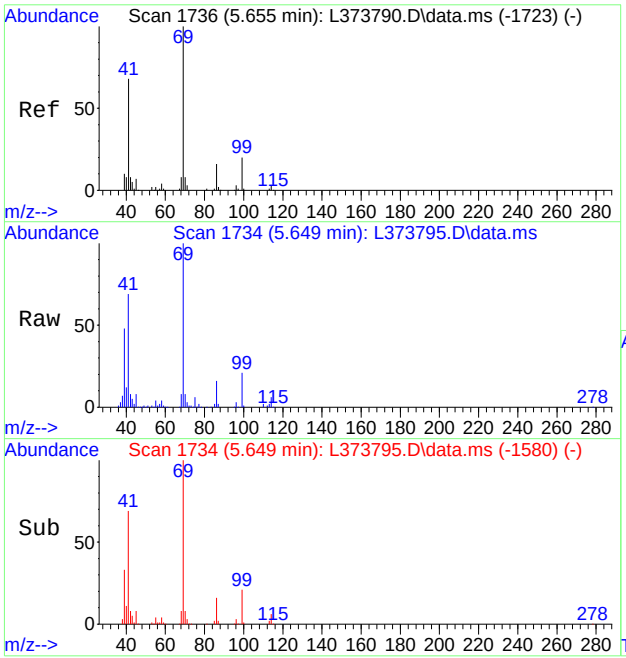


#75
trans-1,3-dichloropropene
Concen: 51.61 ug/L
RT: 5.620 min Scan# 1725
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 75 Resp: 208819

Ion	Ratio	Lower	Upper
75	100		
77	31.3	1.7	61.7
39	52.5	20.7	80.7

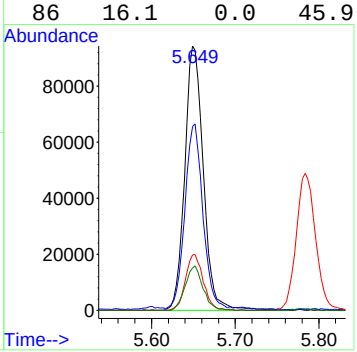


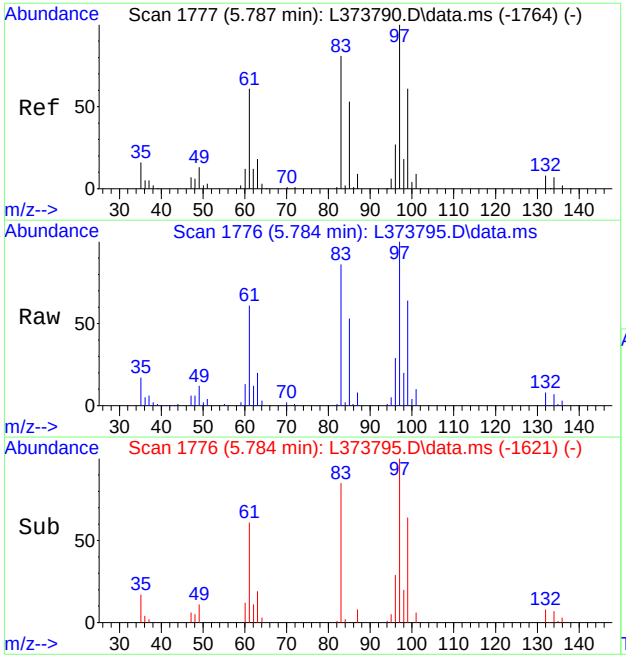


#76
ethyl methacrylate
Concen: 35.65 ug/L
RT: 5.649 min Scan# 1734
Delta R.T. -0.006 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 69 Resp: 145736

Ion	Ratio	Lower	Upper
69	100		
41	69.2	38.9	98.9
99	21.1	0.0	50.4
86	16.1	0.0	45.9

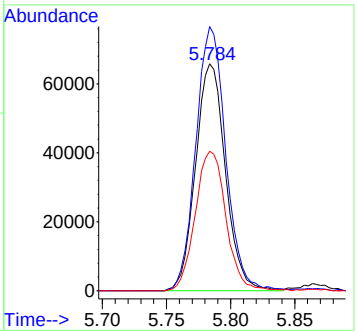


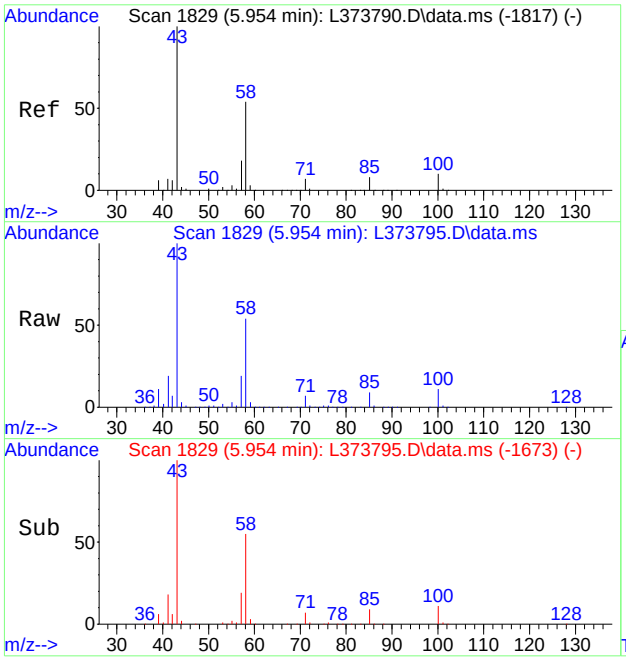


#77
1,1,2-trichloroethane
Concen: 49.74 ug/L
RT: 5.784 min Scan# 1776
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 83 Resp: 107020

Ion	Ratio	Lower	Upper
83	100		
97	116.4	93.6	153.6
85	61.5	35.4	95.4

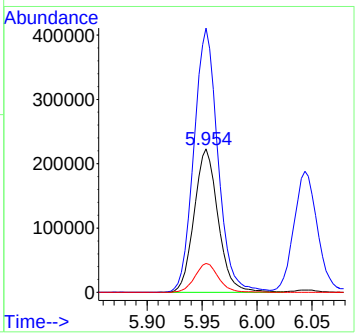


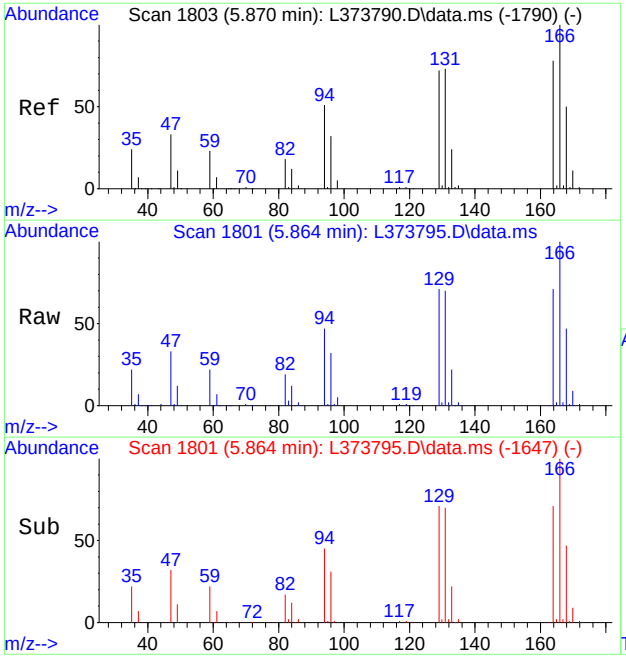


#78
2-hexanone
Concen: 183.55 ug/L
RT: 5.954 min Scan# 1829
Delta R.T. -0.000 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 58 Resp: 338480

Ion	Ratio	Lower	Upper
58	100		
43	183.9	154.6	214.6
100	20.1	0.0	49.0

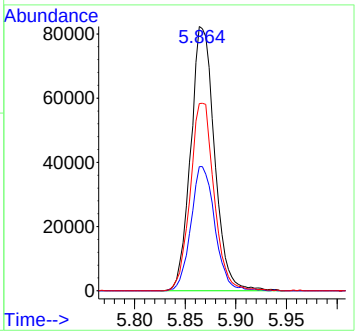


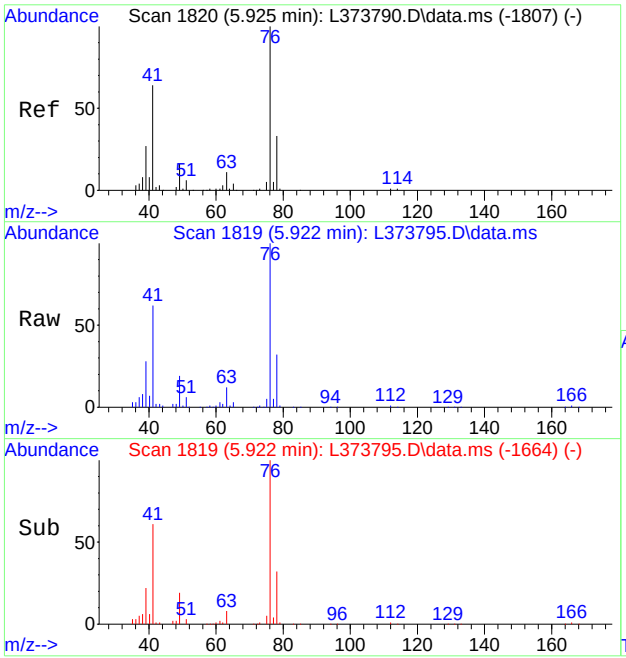


#79
tetrachloroethene
Concen: 51.97 ug/L
RT: 5.864 min Scan# 1801
Delta R.T. -0.006 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion:166 Resp: 135448

Ion	Ratio	Lower	Upper
166	100		
168	47.0	19.7	79.7
129	70.8	42.4	102.4

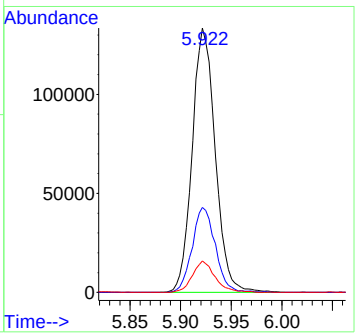


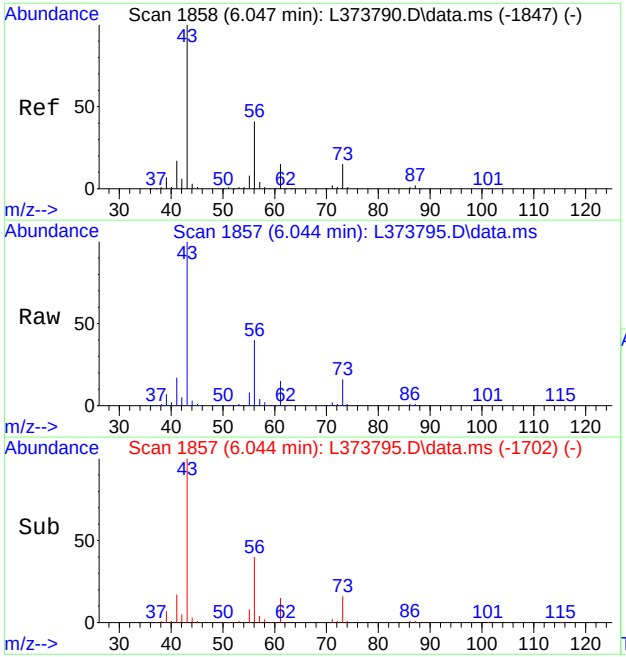


#80
1,3-dichloropropane
Concen: 51.12 ug/L
RT: 5.922 min Scan# 1819
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 76 Resp: 211951

Ion	Ratio	Lower	Upper
76	100		
78	32.1	2.7	62.7
63	11.9	0.0	41.2

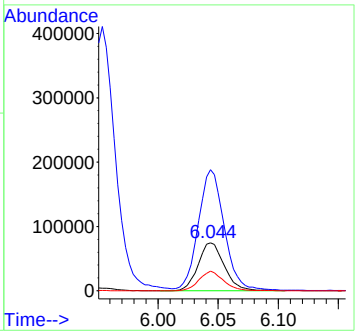


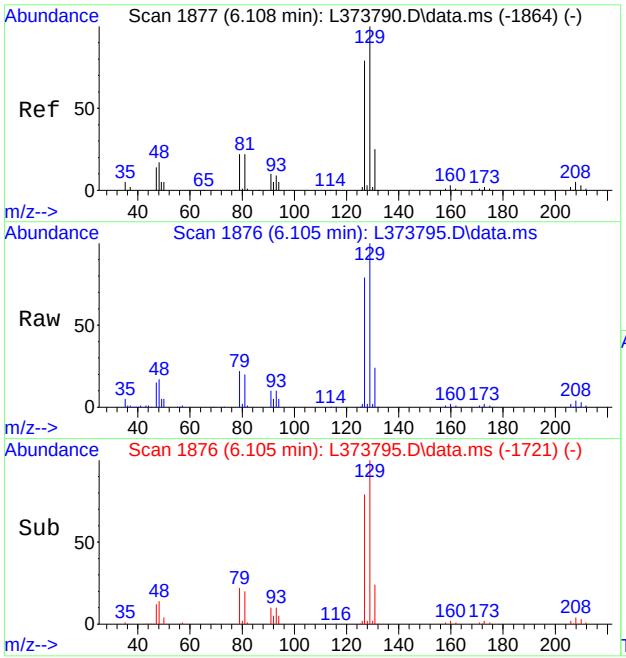


#81
butyl acetate
Concen: 46.44 ug/L
RT: 6.044 min Scan# 1857
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 56 Resp: 112850

Ion	Ratio	Lower	Upper
56	100		
43	250.2	218.3	278.3
73	40.8	7.2	67.2

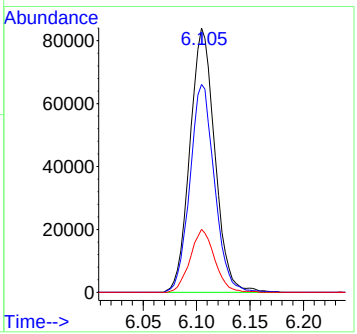


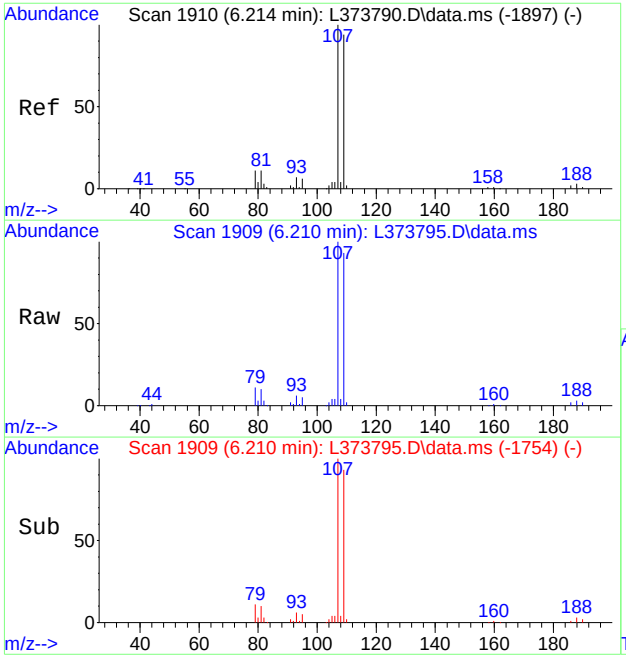


#82
dibromochloromethane
Concen: 49.04 ug/L
RT: 6.105 min Scan# 1876
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion:129 Resp: 136093

Ion	Ratio	Lower	Upper
129	100		
127	78.6	49.0	109.0
131	23.9	0.0	54.6

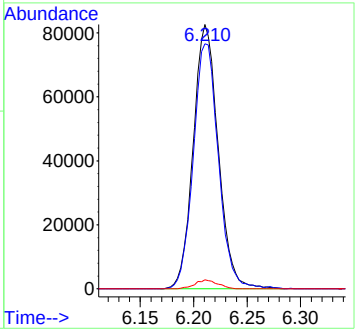


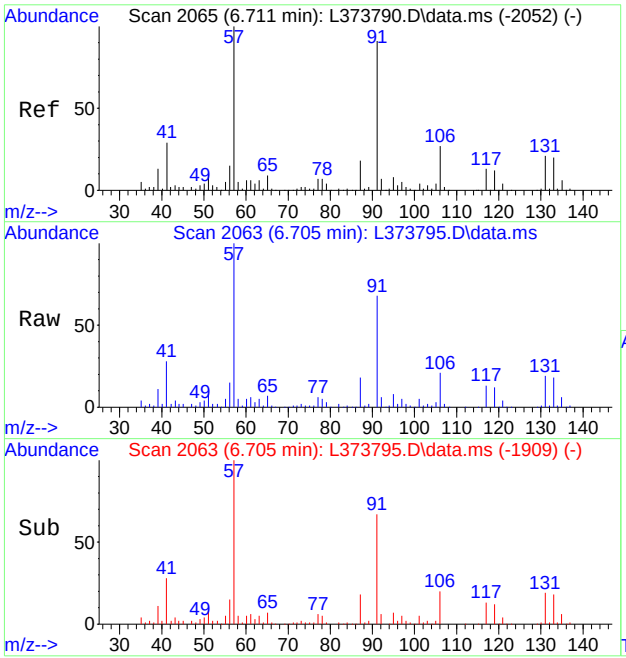


#83
1,2-dibromoethane
Concen: 51.34 ug/L
RT: 6.210 min Scan# 1909
Delta R.T. -0.004 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion:107 Resp: 134188

Ion	Ratio	Lower	Upper
107	100		
109	92.6	63.9	123.9
188	3.4	0.0	33.4

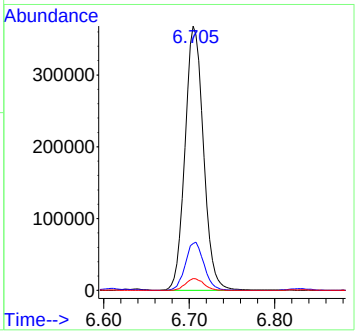


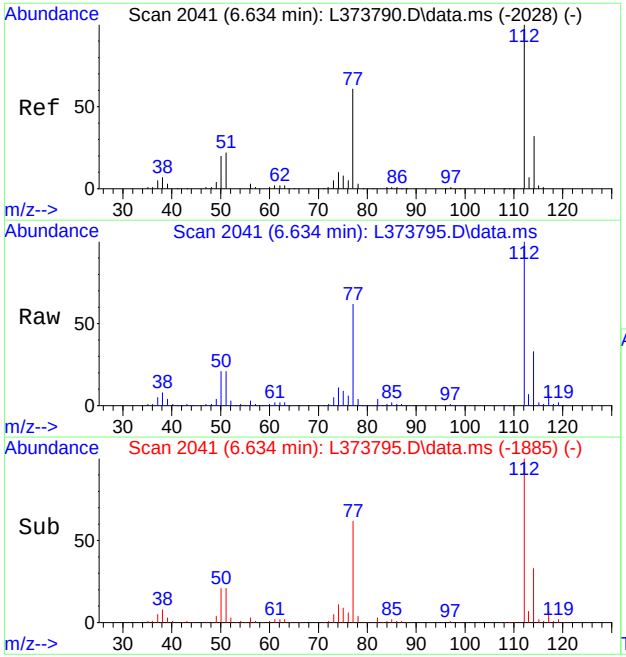


#84
n-butyl ether
Concen: 50.65 ug/L
RT: 6.705 min Scan# 2063
Delta R.T. -0.006 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 57 Resp: 553245

Ion	Ratio	Lower	Upper
57	100		
87	17.7	0.0	47.8
101	4.5	0.0	34.2

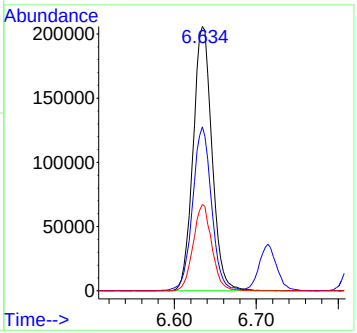


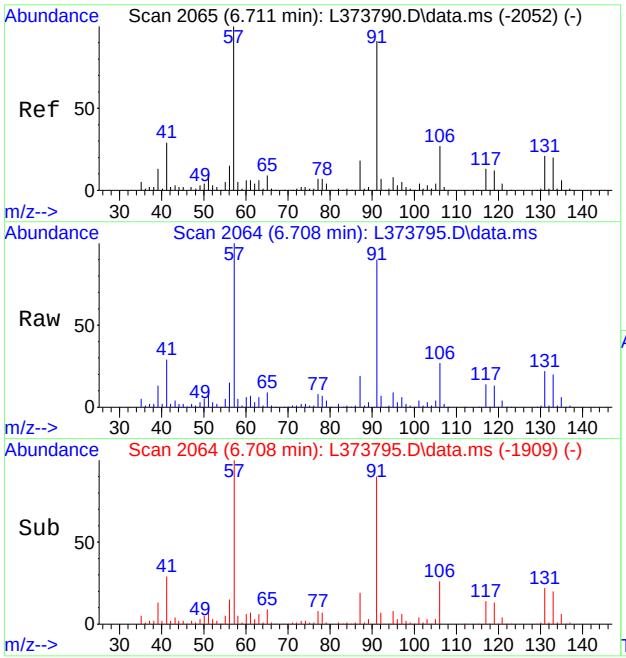


#85
chlorobenzene
Concen: 48.39 ug/L
RT: 6.634 min Scan# 2041
Delta R.T. 0.000 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion:112 Resp: 329673

Ion	Ratio	Lower	Upper
112	100		
77	61.9	30.8	90.8
114	32.6	2.4	62.4

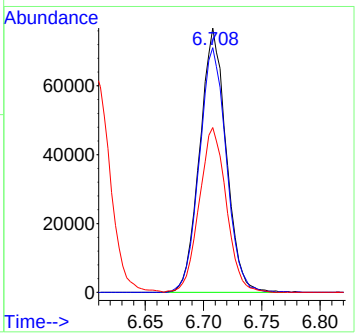


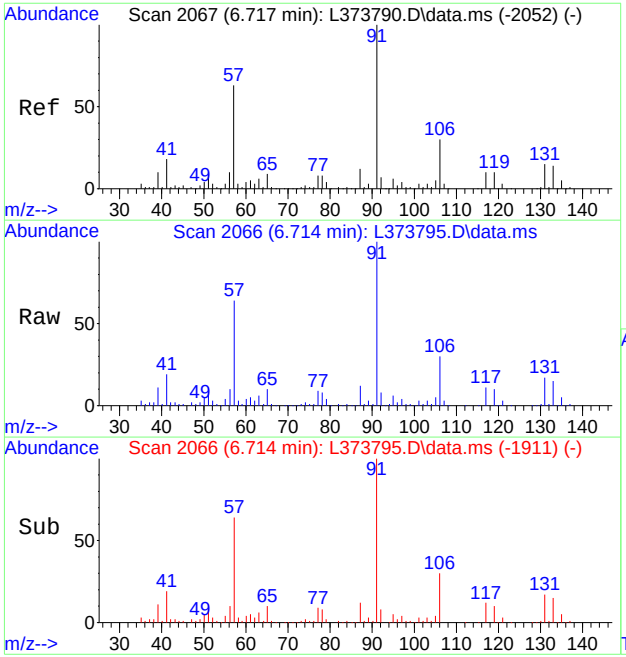


#86
1,1,1,2-tetrachloroethane
Concen: 52.50 ug/L
RT: 6.708 min Scan# 2064
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion:131 Resp: 121048

Ion	Ratio	Lower	Upper
131	100		
133	92.5	65.1	125.1
119	62.4	30.8	90.8

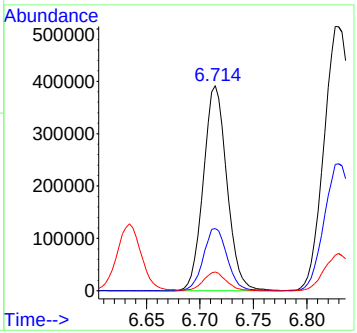


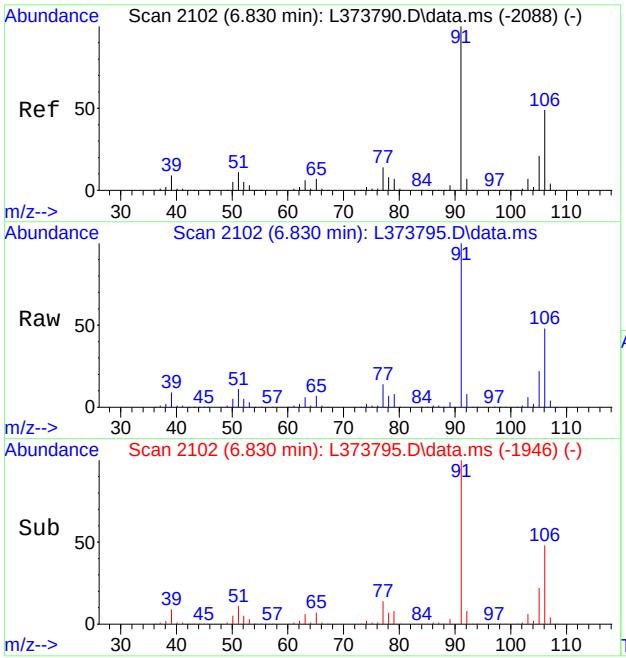


#87
ethylbenzene
Concen: 50.48 ug/L
RT: 6.714 min Scan# 2066
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 91 Resp: 600025

Ion	Ratio	Lower	Upper
91	100		
106	30.3	0.1	60.1
77	9.2	0.0	38.6

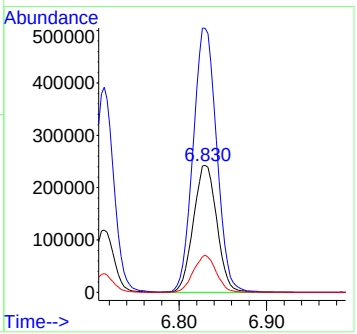


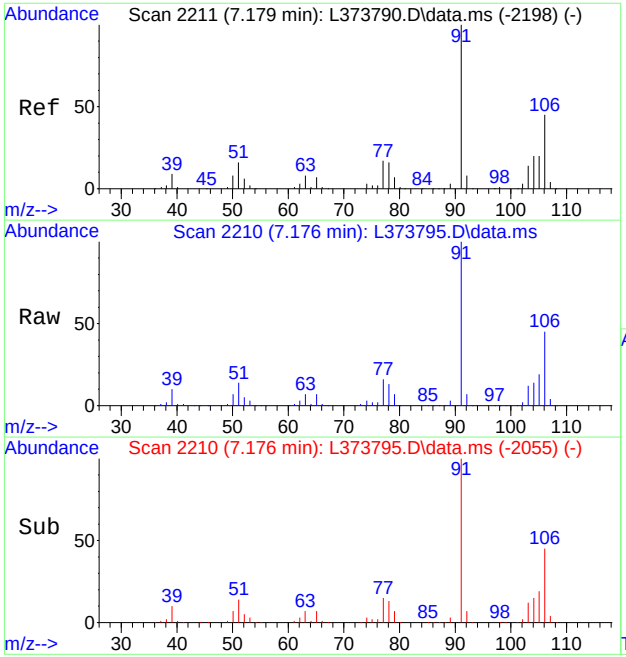


#88
m,p-xylene
Concen: 99.25 ug/L
RT: 6.830 min Scan# 2102
Delta R.T. -0.000 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion:106 Resp: 454360

Ion	Ratio	Lower	Upper
106	100		
91	207.5	175.7	235.7
77	29.5	8.1	48.1

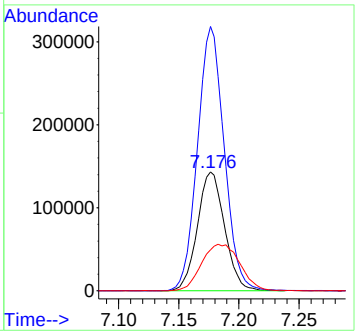


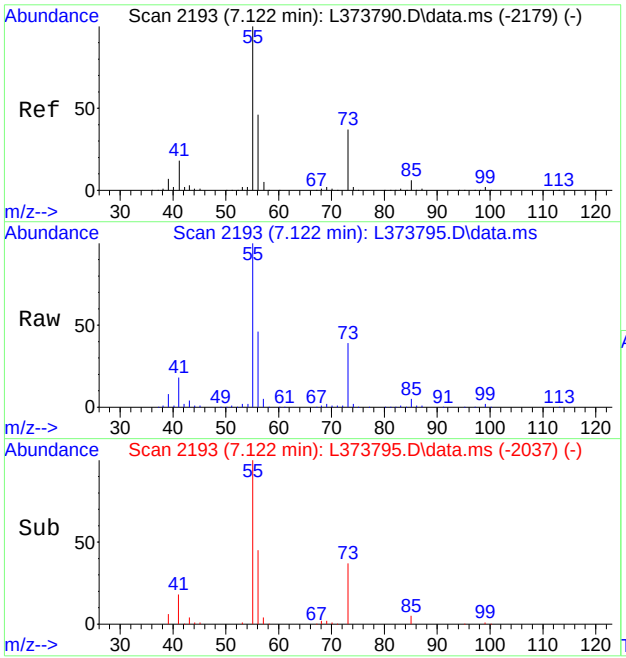


#89
o-xylene
Concen: 50.30 ug/L
RT: 7.176 min Scan# 2210
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion:106 Resp: 225158

Ion	Ratio	Lower	Upper
106	100		
91	222.4	194.5	254.5
77	34.5	18.1	58.1

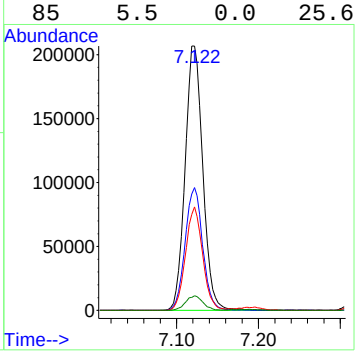


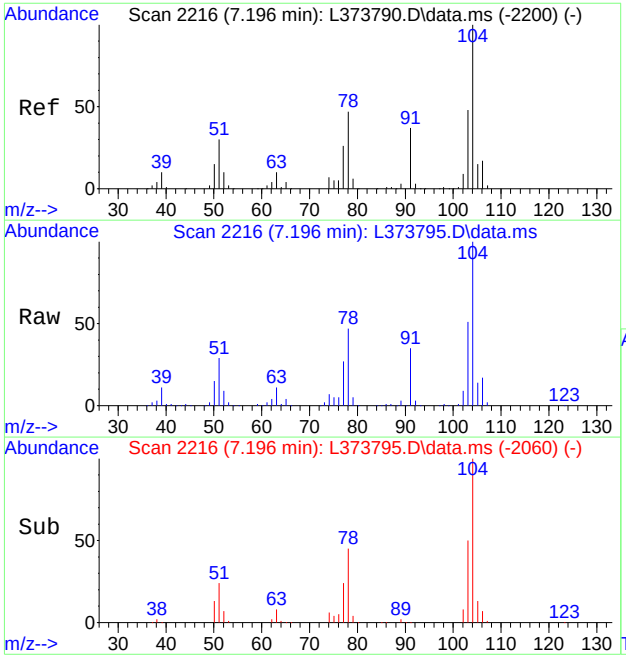


#90
butyl acrylate
Concen: 47.50 ug/L
RT: 7.122 min Scan# 2193
Delta R.T. -0.000 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 55 Resp: 311033

Ion	Ratio	Lower	Upper
55	100		
56	46.5	26.3	66.3
73	39.1	17.5	57.5
85	5.5	0.0	25.6

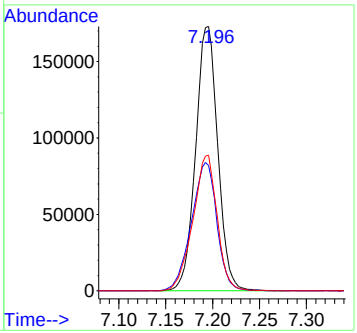


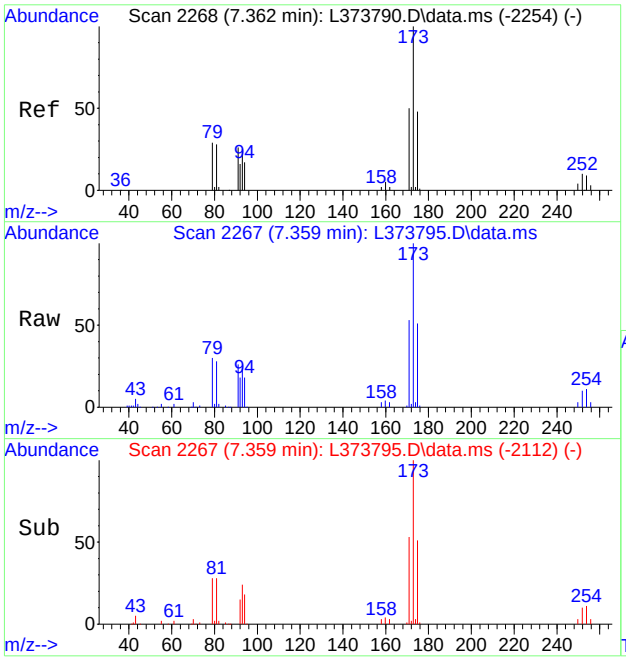


#91
styrene
Concen: 37.88 ug/L
RT: 7.196 min Scan# 2216
Delta R.T. -0.000 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion:104 Resp: 284335

Ion	Ratio	Lower	Upper
104	100		
78	47.4	16.8	76.8
103	51.3	17.7	77.7

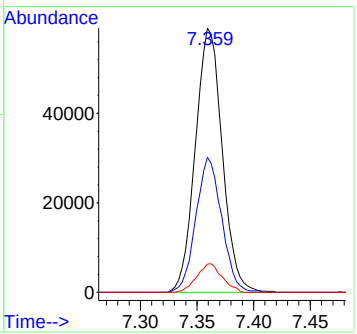


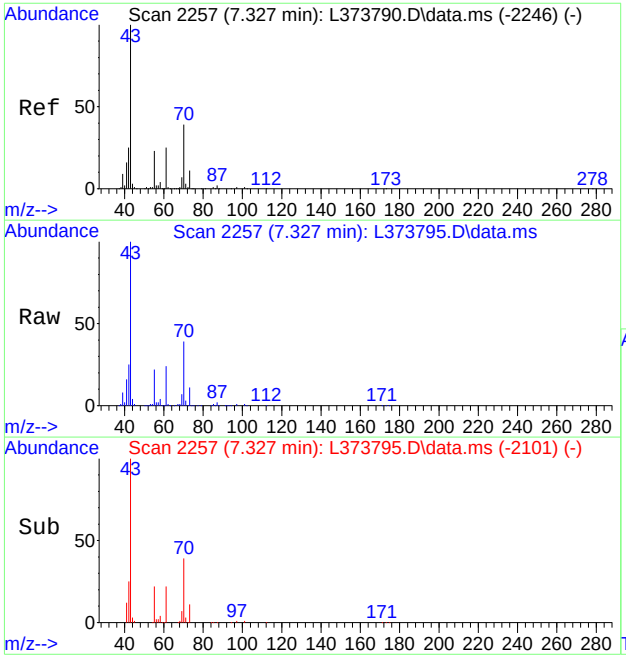


#92
bromoform
Concen: 49.38 ug/L
RT: 7.359 min Scan# 2267
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion:173 Resp: 97377

Ion	Ratio	Lower	Upper
173	100		
175	51.1	17.8	77.8
254	10.7	0.0	39.4

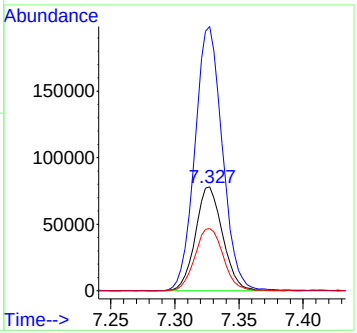


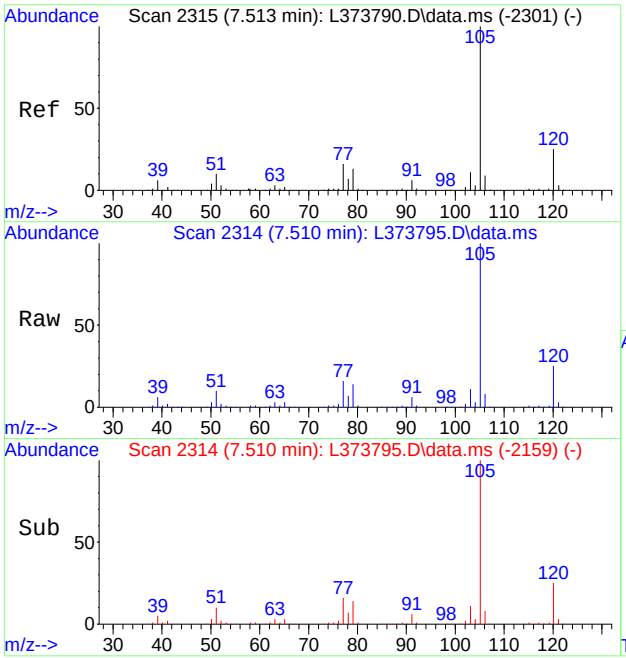


#93
n-amyl acetate
Concen: 47.10 ug/L
RT: 7.327 min Scan# 2257
Delta R.T. 0.000 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 70 Resp: 115414

Ion	Ratio	Lower	Upper
70	100		
43	253.9	233.4	273.4
61	59.9	42.6	82.6

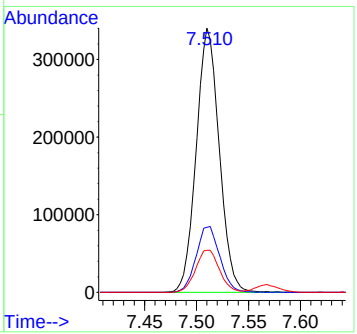


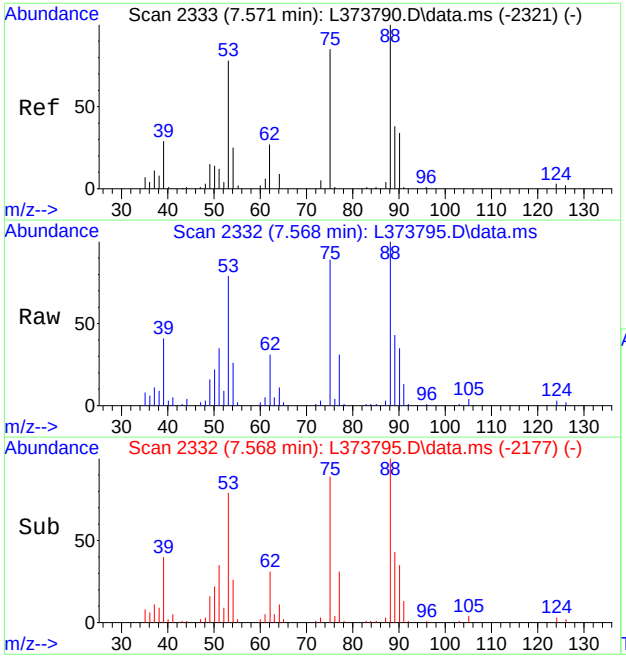


#94
isopropylbenzene
Concen: 48.69 ug/L
RT: 7.510 min Scan# 2314
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion:105 Resp: 526045

Ion	Ratio	Lower	Upper
105	100		
120	24.6	5.2	45.2
77	15.9	0.0	36.2

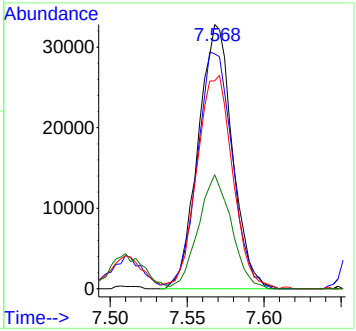


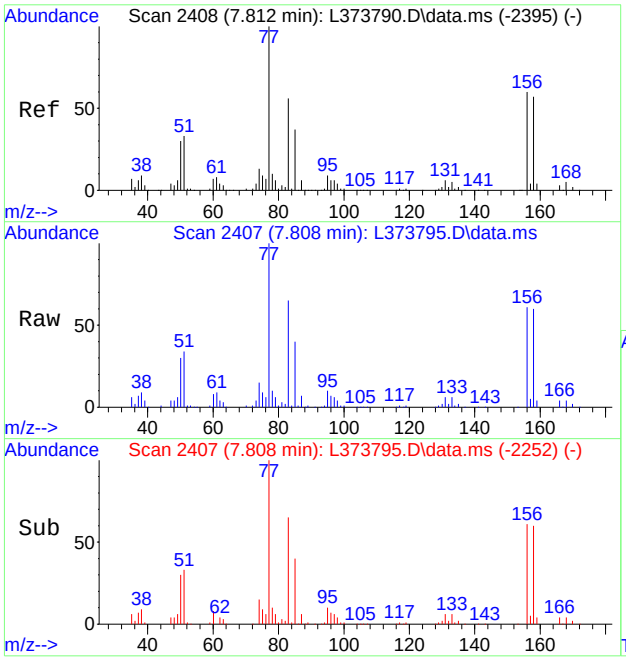


#95
cis-1,4-dichloro-2-butene
Concen: 55.05 ug/L
RT: 7.568 min Scan# 2332
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 88 Resp: 50634

Ion	Ratio	Lower	Upper
88	100		
75	88.9	66.5	106.5
53	78.0	59.7	99.7
89	43.2	20.7	60.7

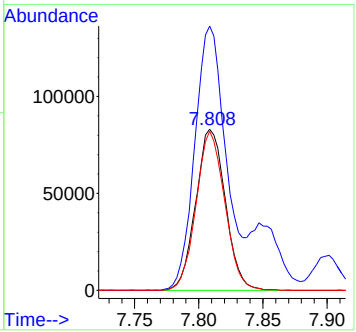


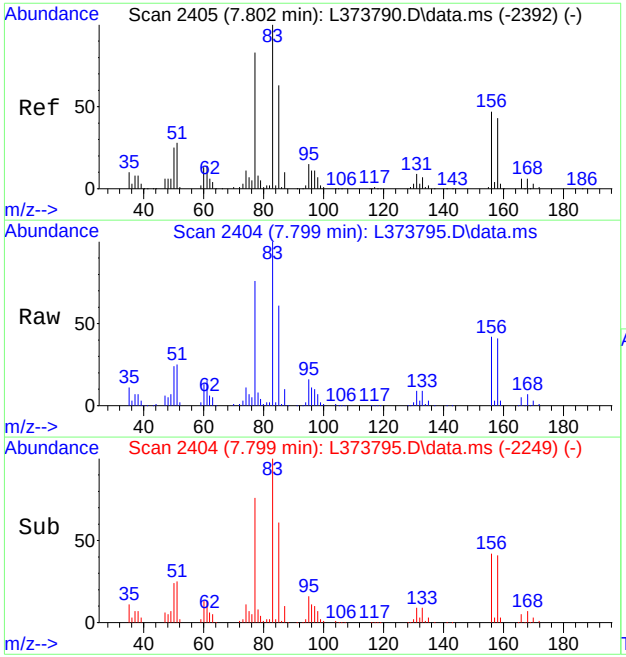


#98
bromobenzene
Concen: 49.44 ug/L
RT: 7.808 min Scan# 2407
Delta R.T. -0.004 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion:156 Resp: 134042

Ion	Ratio	Lower	Upper
156	100		
77	164.1	137.0	197.0
158	98.8	65.5	125.5

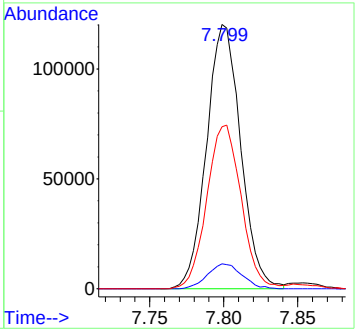


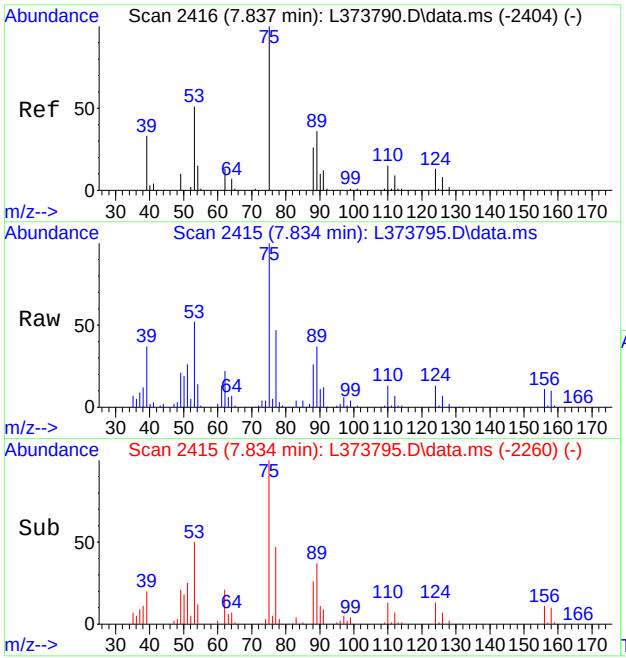


#99
1,1,2,2-tetrachloroethane
Concen: 46.91 ug/L
RT: 7.799 min Scan# 2404
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 83 Resp: 192654

Ion	Ratio	Lower	Upper
83	100		
131	9.4	0.0	38.9
85	61.3	33.3	93.3

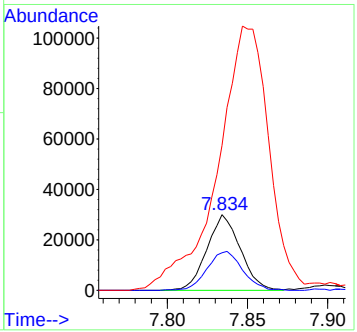


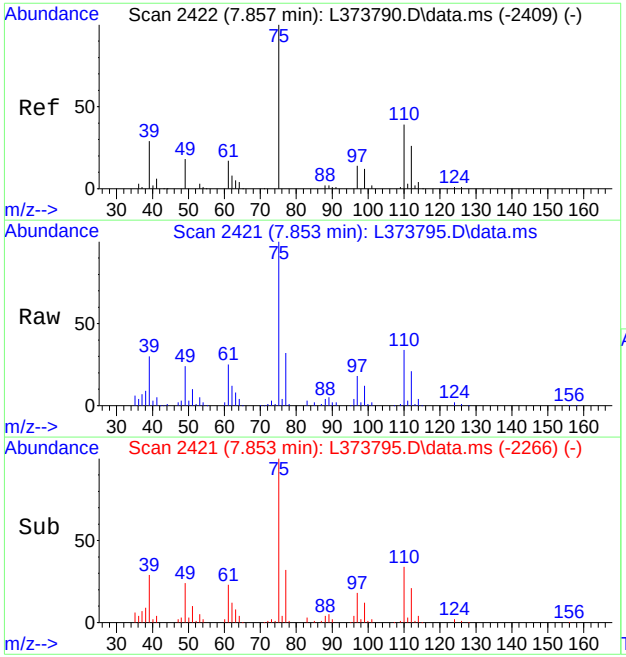


#100
trans-1,4-dichloro-2-butene
Concen: 52.91 ug/L
RT: 7.834 min Scan# 2415
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 53 Resp: 43560

Ion	Ratio	Lower	Upper
53	100		
88	49.9	21.0	81.0
75	173.8	165.8	225.8

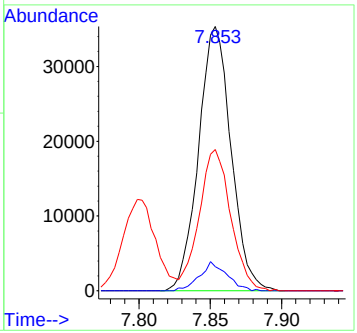


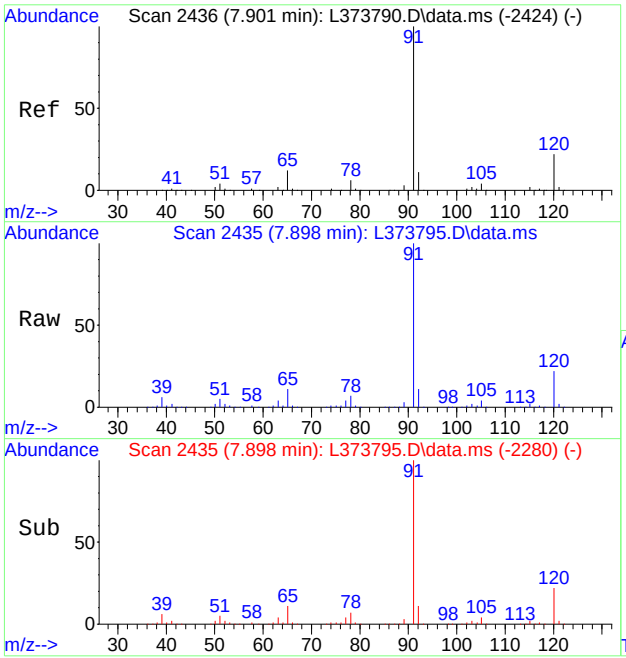


#101
1,2,3-trichloropropane
Concen: 45.61 ug/L
RT: 7.853 min Scan# 2421
Delta R.T. -0.004 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion:110 Resp: 55974

Ion	Ratio	Lower	Upper
110	100		
111	9.1	0.0	38.4
97	53.4	22.5	82.5

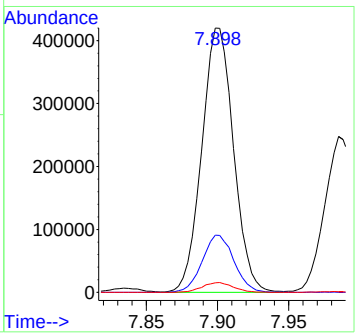


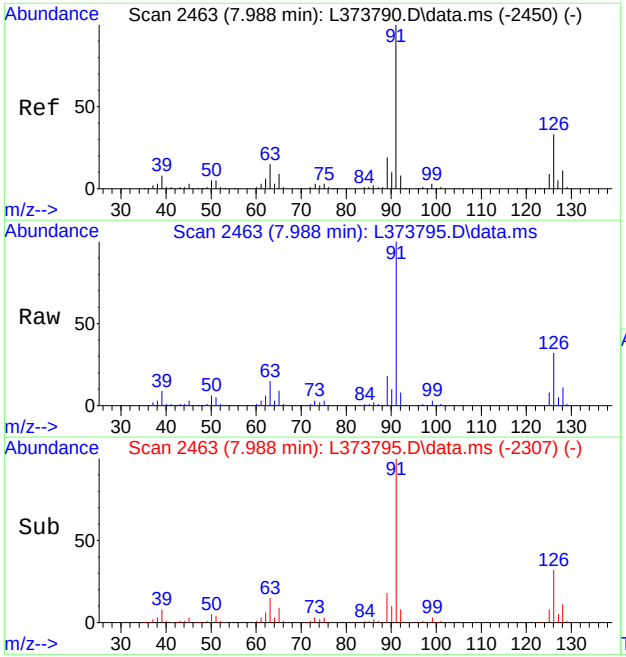


#102
n-propylbenzene
Concen: 49.73 ug/L
RT: 7.898 min Scan# 2435
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 91 Resp: 651581

Ion	Ratio	Lower	Upper
91	100		
120	21.7	0.0	51.5
105	3.6	0.0	33.7

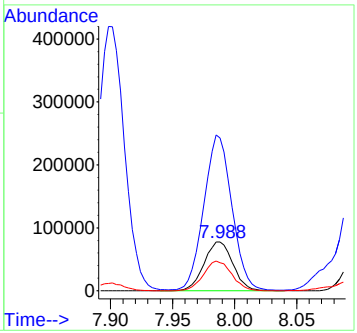


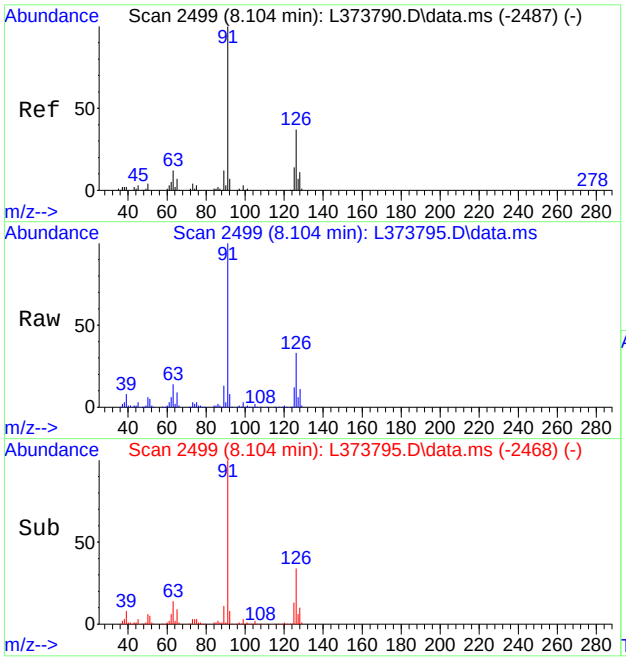


#103
2-chlorotoluene
Concen: 49.41 ug/L
RT: 7.988 min Scan# 2463
Delta R.T. 0.000 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion:126 Resp: 125638

Ion	Ratio	Lower	Upper
126	100		
91	311.9	276.4	336.4
89	57.8	28.8	88.8

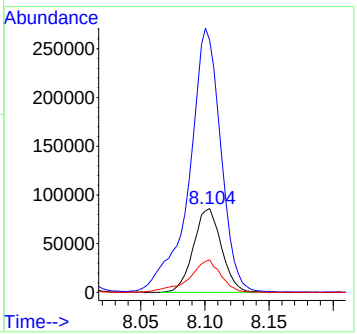


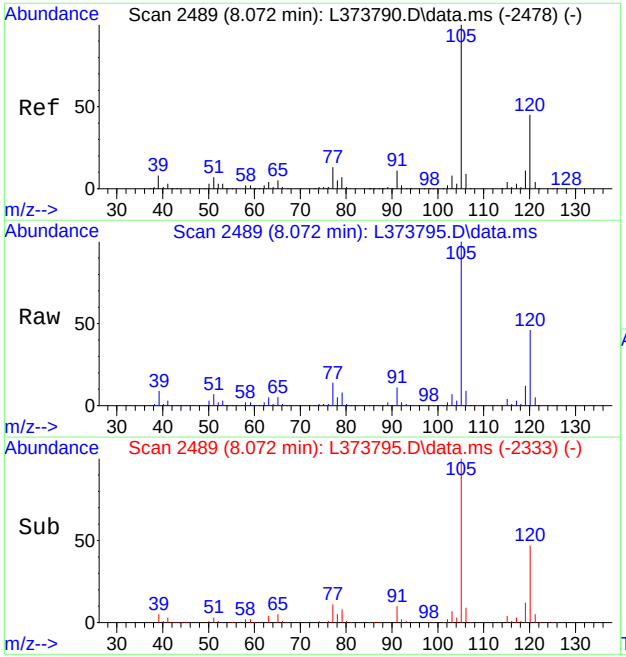


#104
4-chlorotoluene
Concen: 48.60 ug/L
RT: 8.104 min Scan# 2499
Delta R.T. -0.000 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion:126 Resp: 131066

Ion	Ratio	Lower	Upper
126	100		
91	299.7	265.5	325.5
89	38.7	5.5	65.5

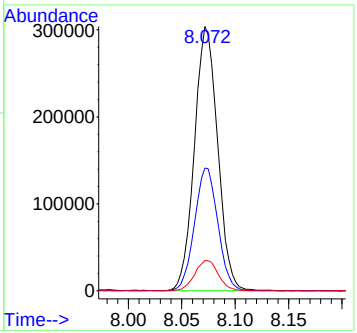


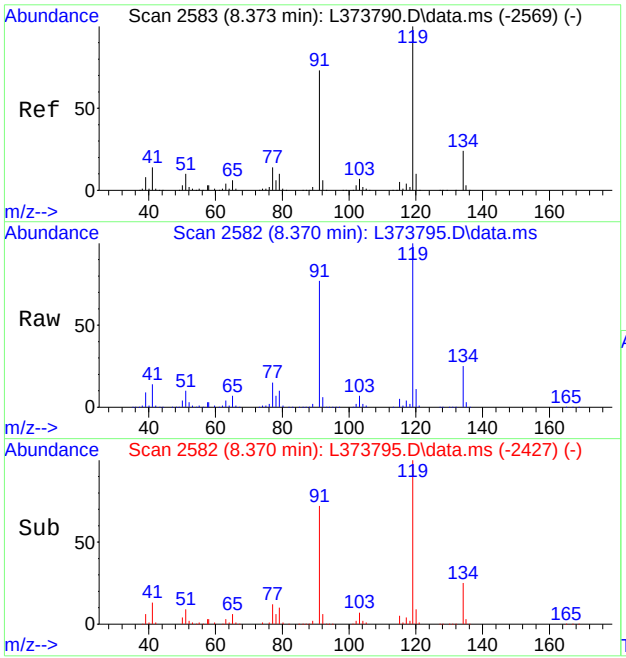


#105
1,3,5-trimethylbenzene
Concen: 50.63 ug/L
RT: 8.072 min Scan# 2489
Delta R.T. -0.000 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion:105 Resp: 461782

Ion	Ratio	Lower	Upper
105	100		
120	46.4	14.9	74.9
119	11.5	0.0	40.8

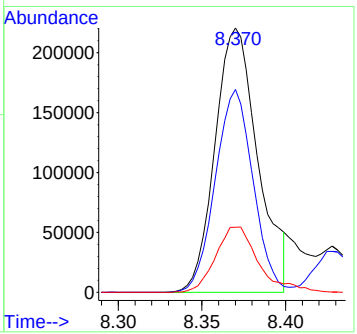


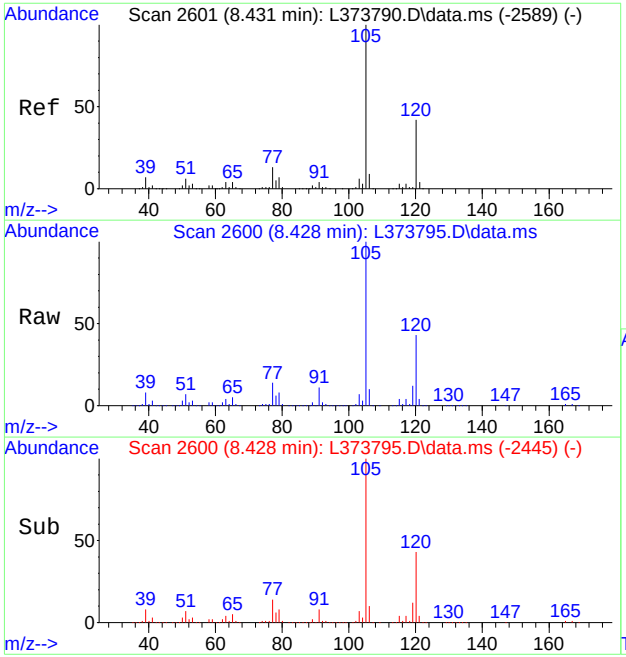


#106
tert-butylbenzene
Concen: 54.72 ug/L
RT: 8.370 min Scan# 2582
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion:119 Resp: 393699

Ion	Ratio	Lower	Upper
119	100		
91	76.8	42.9	102.9
134	24.6	0.0	54.4

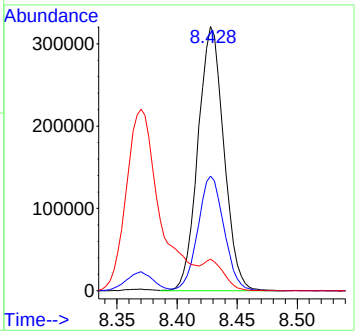


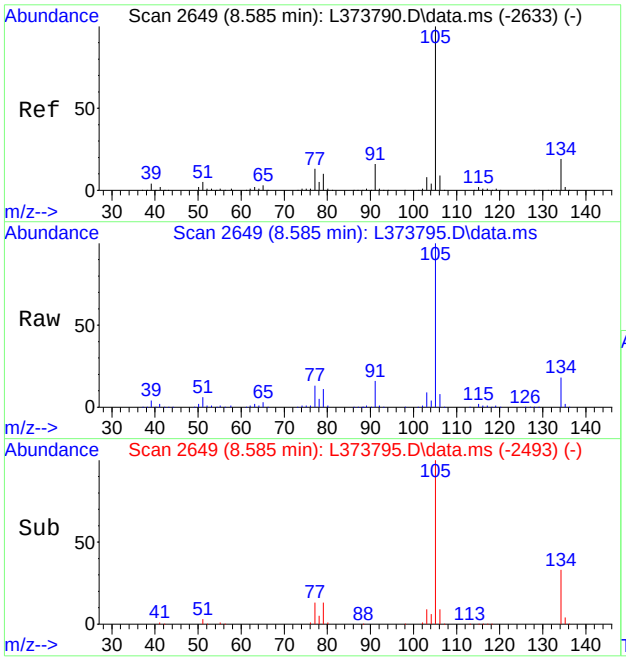


#107
1,2,4-trimethylbenzene
Concen: 52.14 ug/L
RT: 8.428 min Scan# 2600
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion:105 Resp: 480332

Ion	Ratio	Lower	Upper
105	100		
120	43.4	13.1	73.1
119	12.0	0.0	41.9

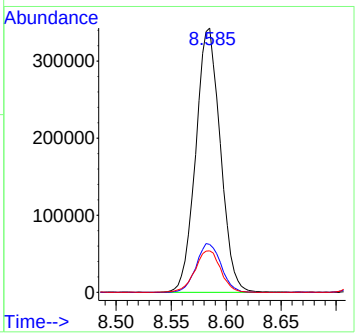


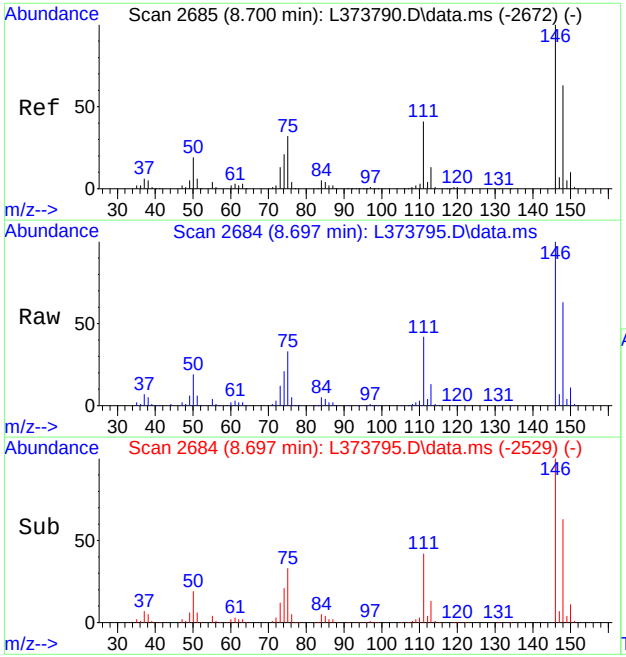


#108
sec-butylbenzene
Concen: 51.10 ug/L
RT: 8.585 min Scan# 2649
Delta R.T. 0.000 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion:105 Resp: 533666

Ion	Ratio	Lower	Upper
105	100		
134	18.2	0.0	48.8
91	15.6	0.0	45.9

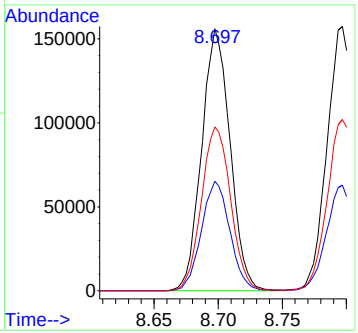


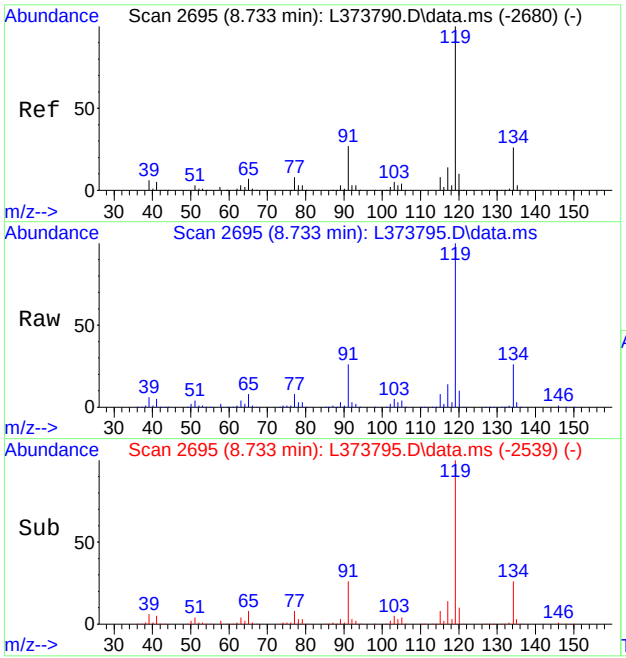


#109
1,3-dichlorobenzene
Concen: 48.03 ug/L
RT: 8.697 min Scan# 2684
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion:146 Resp: 240797

Ion	Ratio	Lower	Upper
146	100		
111	41.9	11.0	71.0
148	62.6	33.0	93.0

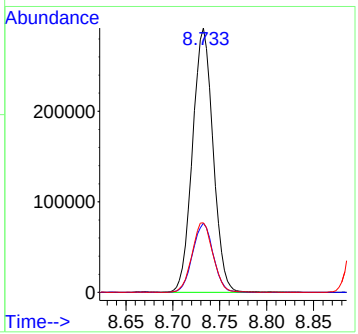


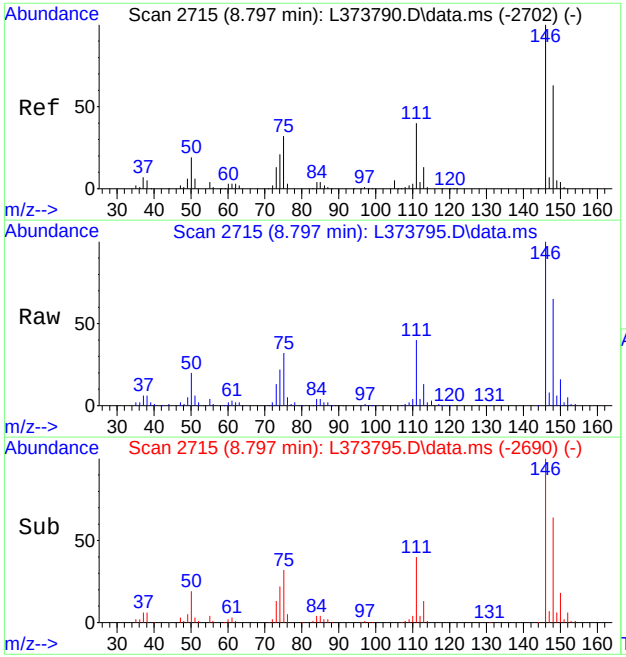


#110
p-isopropyltoluene
Concen: 51.52 ug/L
RT: 8.733 min Scan# 2695
Delta R.T. -0.000 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion:119 Resp: 444840

Ion	Ratio	Lower	Upper
119	100		
134	26.2	0.0	56.5
91	26.4	0.0	56.9

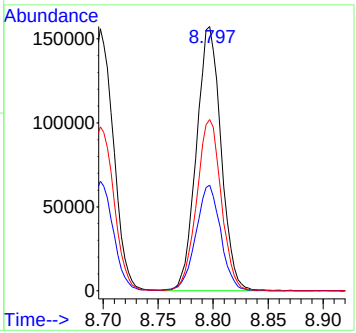


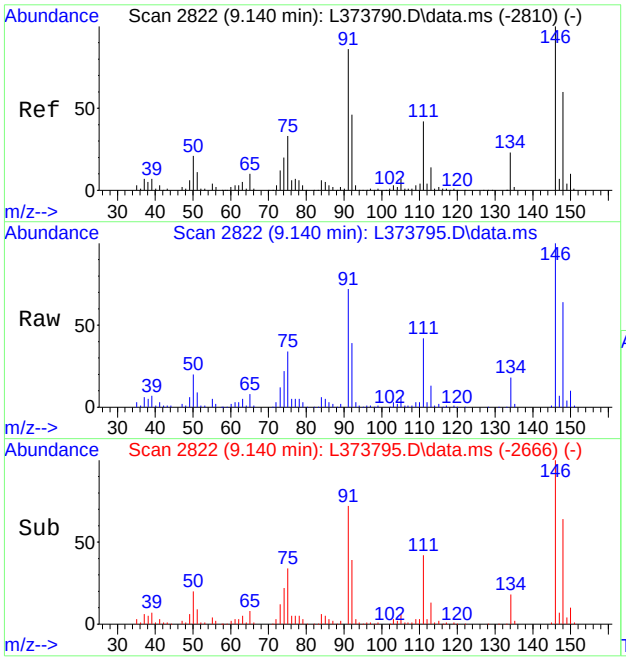


#111
1,4-dichlorobenzene
Concen: 47.25 ug/L
RT: 8.797 min Scan# 2715
Delta R.T. -0.000 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion:146 Resp: 244730

Ion	Ratio	Lower	Upper
146	100		
111	40.0	9.7	69.7
148	64.7	33.0	93.0

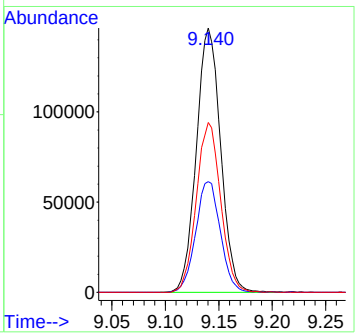


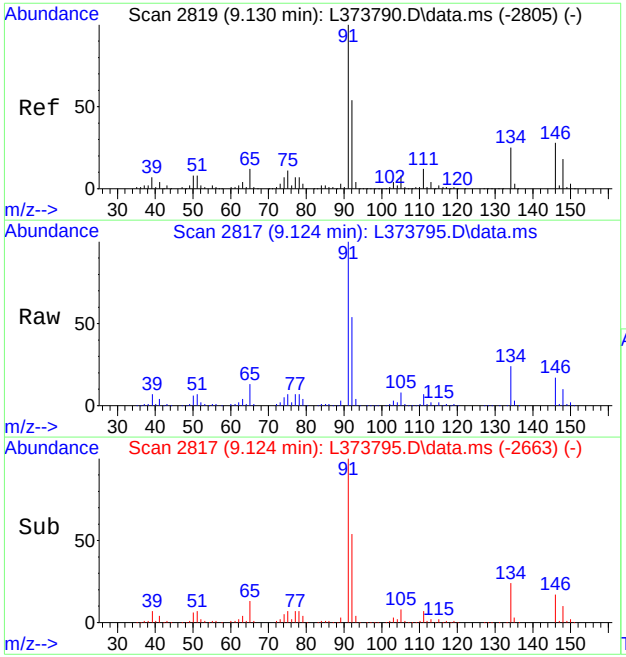


#113
1,2-dichlorobenzene
Concen: 48.19 ug/L
RT: 9.140 min Scan# 2822
Delta R.T. 0.000 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion:146 Resp: 232107

Ion	Ratio	Lower	Upper
146	100		
111	41.9	12.1	72.1
148	64.3	30.4	90.4

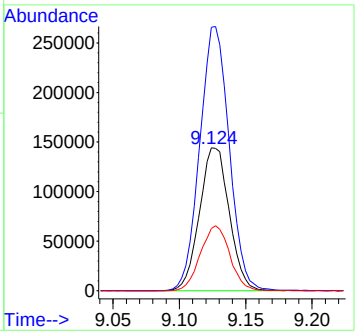


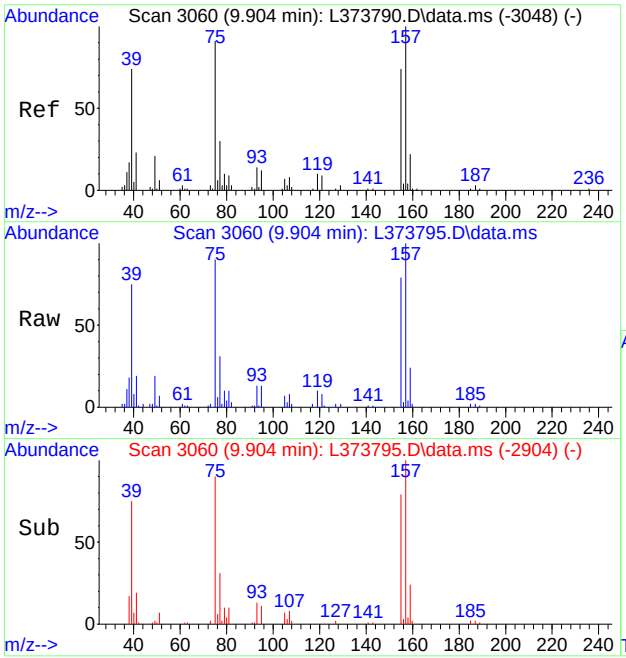


#114
n-butylbenzene
Concen: 52.33 ug/L
RT: 9.124 min Scan# 2817
Delta R.T. -0.006 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 92 Resp: 225087

Ion	Ratio	Lower	Upper
92	100		
91	184.0	155.4	215.4
134	43.5	15.6	75.6

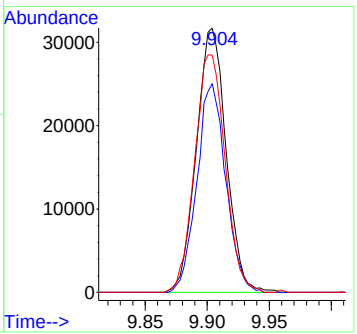


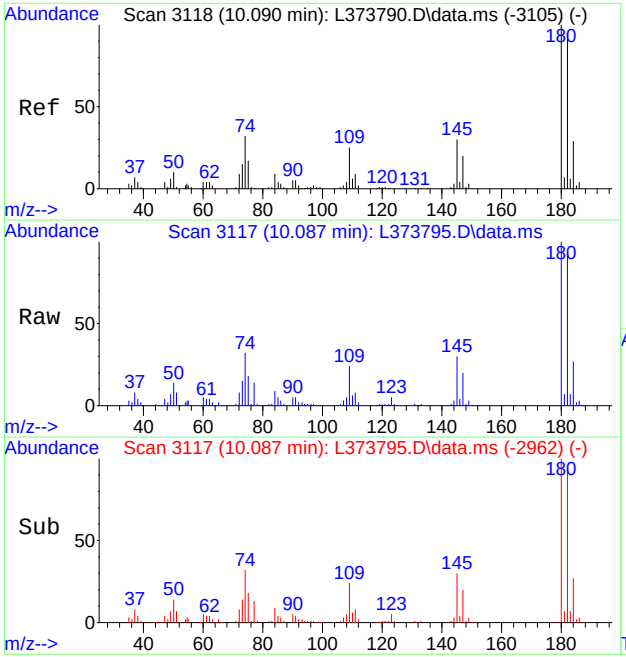


#115
1,2-dibromo-3-chloropropane
Concen: 47.87 ug/L
RT: 9.904 min Scan# 3060
Delta R.T. -0.000 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion:157 Resp: 52955

Ion	Ratio	Lower	Upper
157	100		
155	79.0	44.1	104.1
75	89.8	60.9	120.9

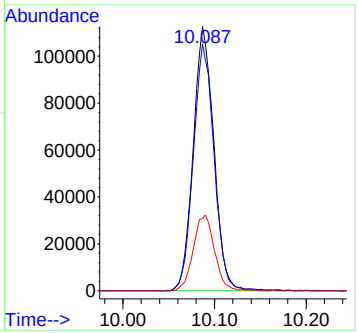


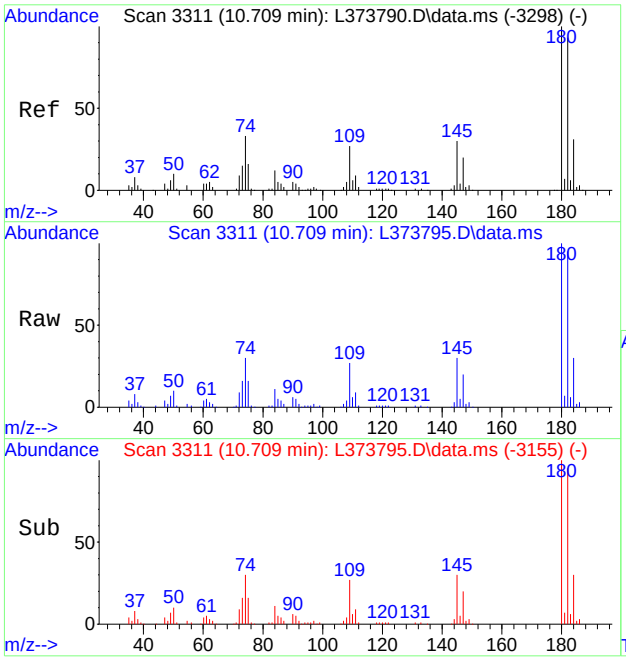


#116
1,3,5-trichlorobenzene
Concen: 56.80 ug/L
RT: 10.087 min Scan# 3117
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion:180 Resp: 176049

Ion	Ratio	Lower	Upper
180	100		
182	93.4	65.0	125.0
184	27.3	0.0	59.4

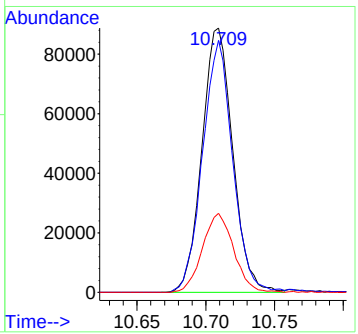


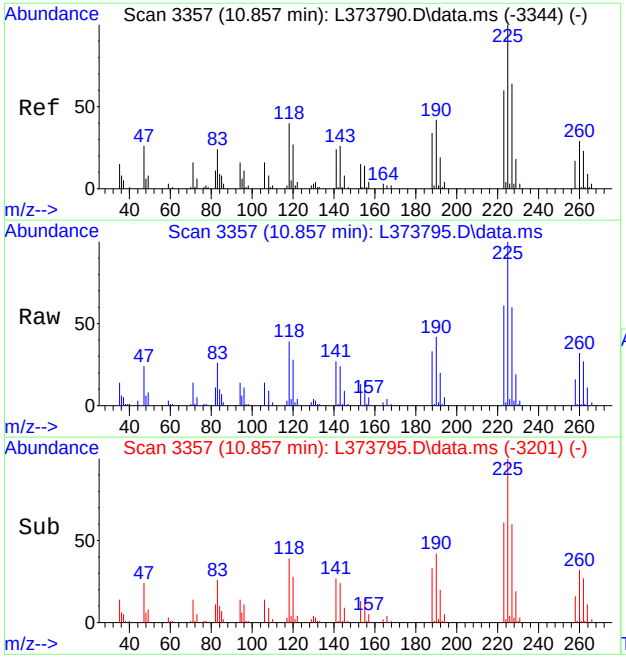


#117
1,2,4-trichlorobenzene
Concen: 50.68 ug/L
RT: 10.709 min Scan# 3311
Delta R.T. 0.000 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion:180 Resp: 138437

Ion	Ratio	Lower	Upper
180	100		
182	95.3	63.1	123.1
184	30.0	0.8	60.8

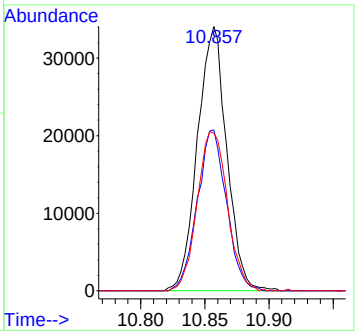


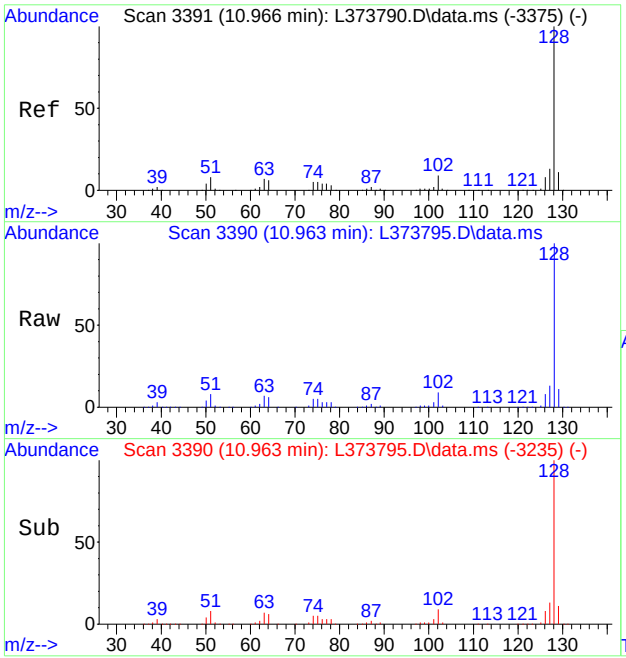


#118
hexachlorobutadiene
Concen: 52.82 ug/L
RT: 10.857 min Scan# 3357
Delta R.T. -0.000 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion:225 Resp: 54224

Ion	Ratio	Lower	Upper
225	100		
223	60.9	30.0	90.0
227	59.5	33.8	93.8

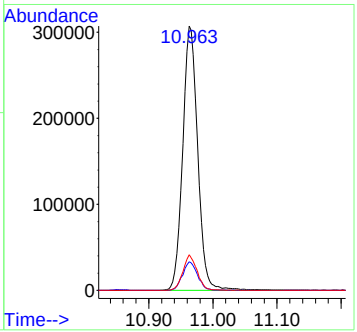


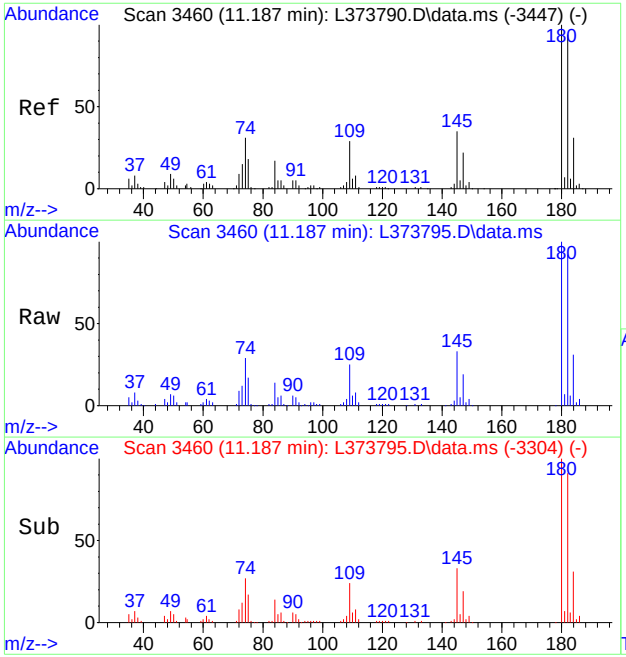


#119
naphthalene
Concen: 49.47 ug/L
RT: 10.963 min Scan# 3390
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion:128 Resp: 501054

Ion	Ratio	Lower	Upper
128	100		
129	10.9	0.0	41.1
127	13.4	0.0	42.9

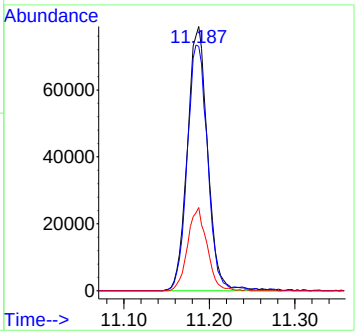


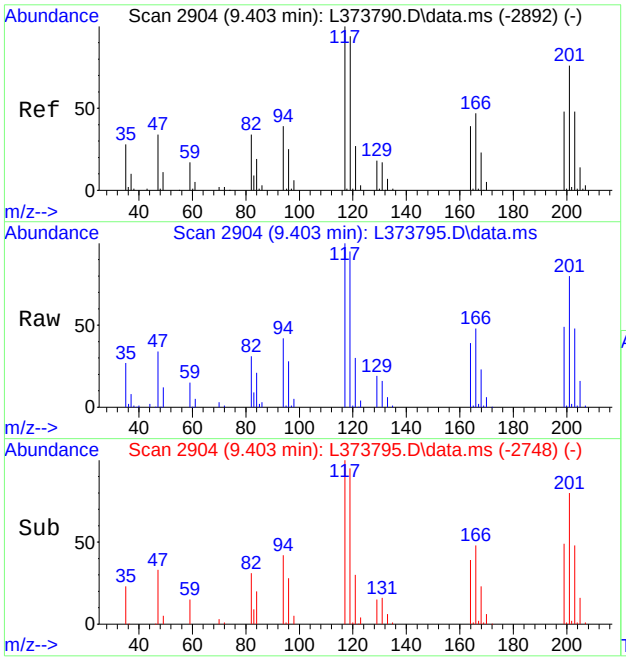


#120
1,2,3-trichlorobenzene
Concen: 50.01 ug/L
RT: 11.187 min Scan# 3460
Delta R.T. 0.000 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion:180 Resp: 130202

Ion	Ratio	Lower	Upper
180	100		
182	92.4	63.9	123.9
184	31.5	1.2	61.2

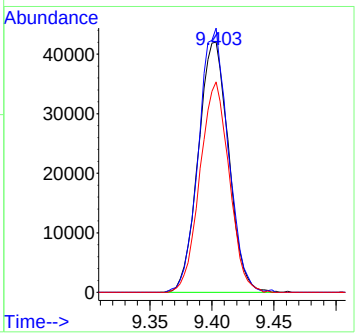


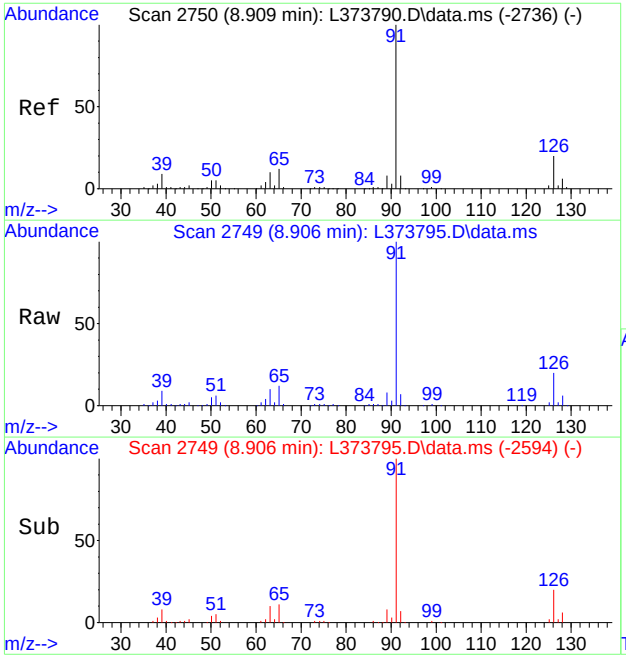


#121
hexachloroethane
Concen: 54.30 ug/L
RT: 9.403 min Scan# 2904
Delta R.T. 0.000 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion:119 Resp: 71512

Ion	Ratio	Lower	Upper
119	100		
117	105.6	76.2	136.2
201	84.1	51.2	111.2

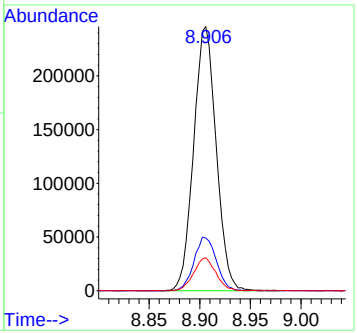


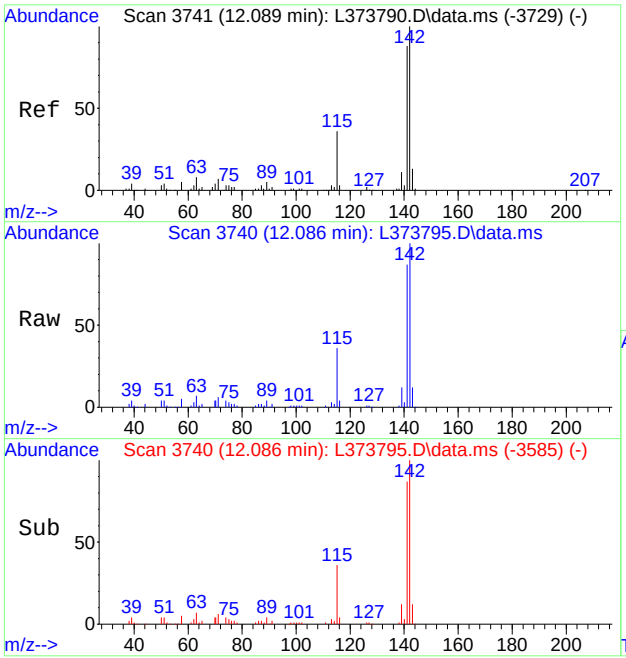


#122
benzyl chloride
Concen: 47.64 ug/L
RT: 8.906 min Scan# 2749
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion: 91 Resp: 381777

Ion	Ratio	Lower	Upper
91	100		
126	20.0	0.0	49.8
65	12.5	0.0	41.8

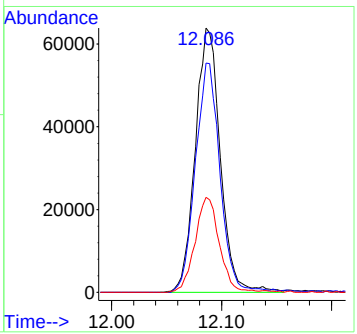




#123
2-methylnaphthalene
Concen: 25.89 ug/L
RT: 12.086 min Scan# 3740
Delta R.T. -0.003 min
Lab File: L373795.D
Acq: 16 Oct 2025 11:03 pm

Tgt Ion:142 Resp: 101154

Ion	Ratio	Lower	Upper
142	100		
141	86.7	68.0	108.0
115	35.9	15.9	55.9



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373796.D
Acq On : 16 Oct 2025 11:28 pm
Operator : BridgetK
Sample : icv11472-50
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 17 10:49:00 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 10:28:42 2025
Response via : Initial Calibration

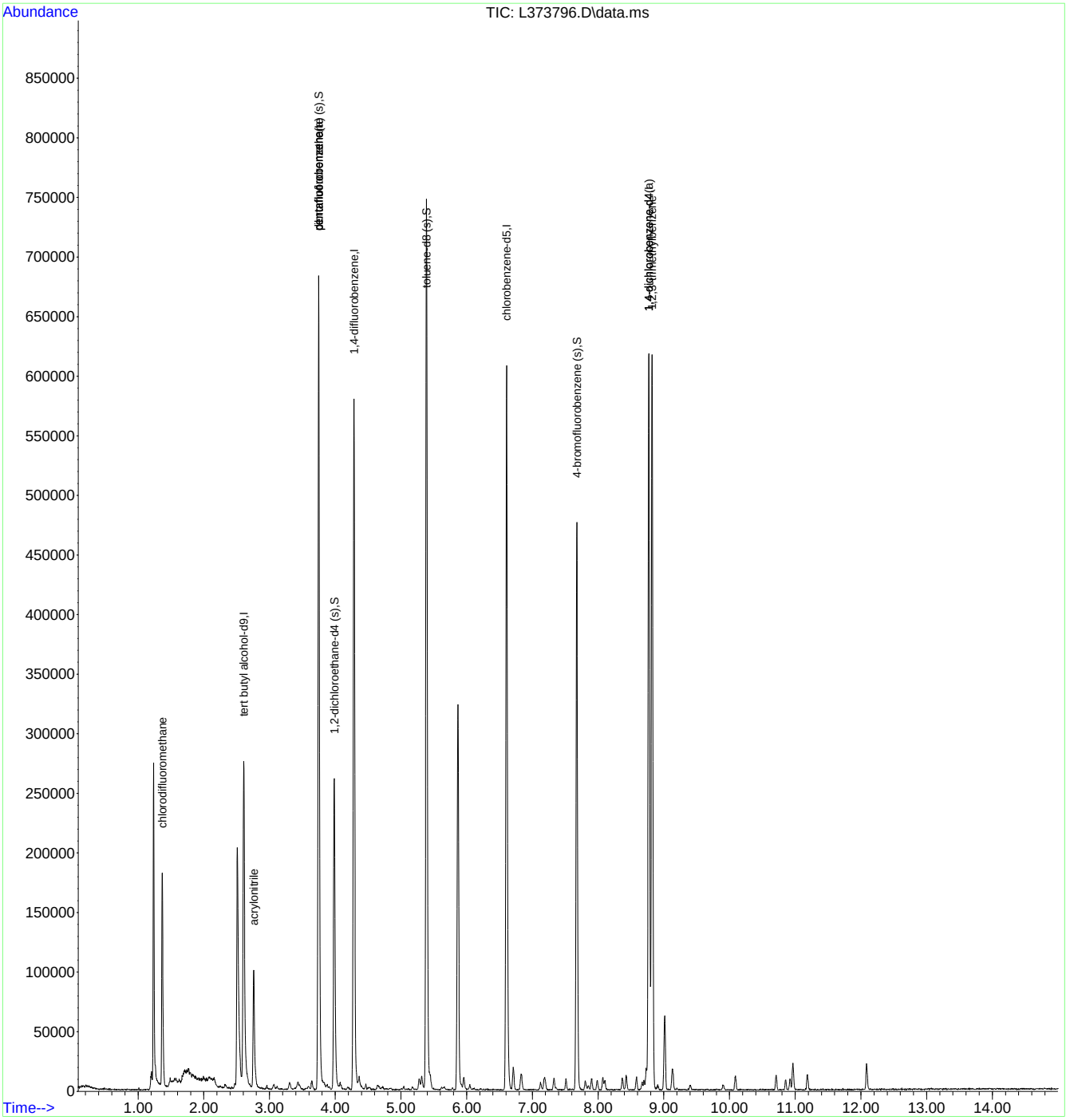
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) tert butyl alcohol-d9	2.607	65	267065	500.00	ug/L	0.00
5) pentafluorobenzene	3.749	168	230409	50.00	ug/L	0.00
51) 1,4-difluorobenzene	4.285	114	386151	50.00	ug/L	0.00
72) chlorobenzene-d5	6.608	117	307860	50.00	ug/L	0.00
96) 1,4-dichlorobenzene-d4	8.771	152	149386	50.00	ug/L	0.00
124) pentafluorobenzene(a)	3.749	168	230409	50.00	ug/L	0.00
131) 1,4-dichlorobenzene-d4(a)	8.771	152	149386	50.00	ug/L	0.00
System Monitoring Compounds						
43) dibromofluoromethane (s)	3.749	113	122637	50.99	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.98%			
52) 1,2-dichloroethane-d4 (s)	3.987	65	140705	50.09	ug/L	0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 100.18%			
73) toluene-d8 (s)	5.389	98	445574	49.90	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.80%			
97) 4-bromofluorobenzene (s)	7.677	95	156995	48.98	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.96%			
Target Compounds						Qvalue
6) chlorodifluoromethane	1.368	51	152841	45.2479	ug/L	99
33) acrylonitrile	2.761	53	57353	44.5759	ug/L	99
112) 1,2,3-trimethylbenzene	8.822	105	344533	36.2002	ug/L	96

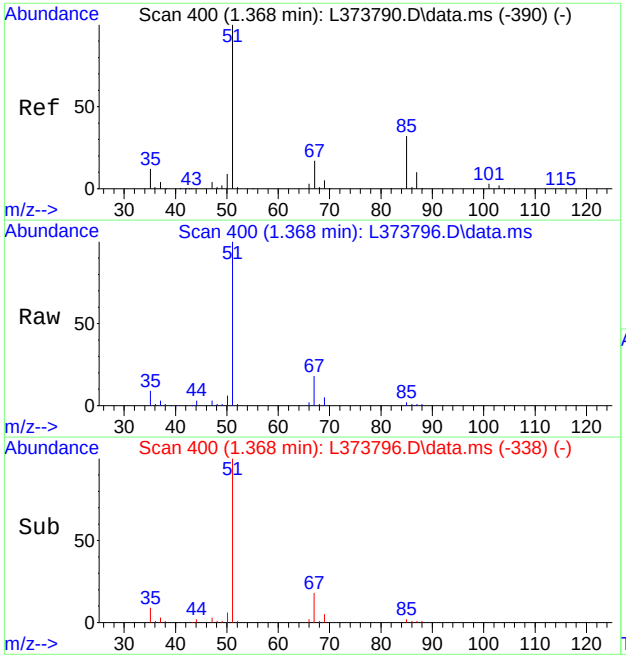
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\Initials\VL11472\
Data File : L373796.D
Acq On : 16 Oct 2025 11:28 pm
Operator : BridgetK
Sample : icv11472-50
Misc : MS94818,VL11472,5,,,,1
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 17 10:49:00 2025
Quant Method : C:\msdchem\1\methods\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 10:28:42 2025
Response via : Initial Calibration

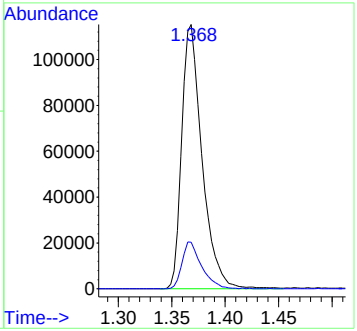


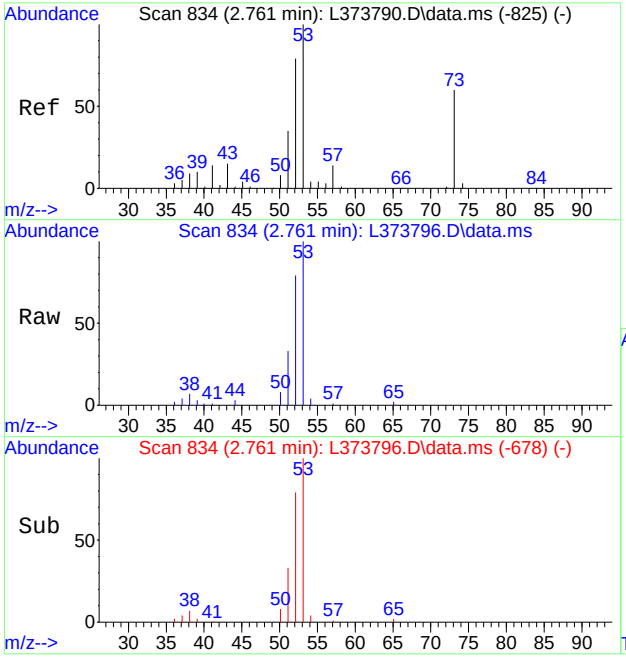


#6
chlorodifluoromethane
Concen: 45.25 ug/L
RT: 1.368 min Scan# 400
Delta R.T. 0.000 min
Lab File: L373796.D
Acq: 16 Oct 2025 11:28 pm

Tgt Ion: 51 Resp: 152841

Ion	Ratio	Lower	Upper
51	100		
67	17.6	0.0	37.0

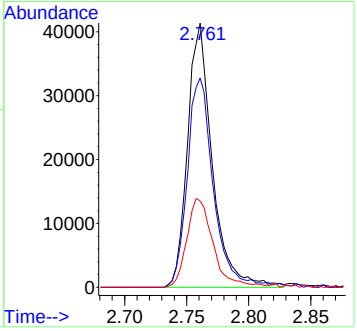


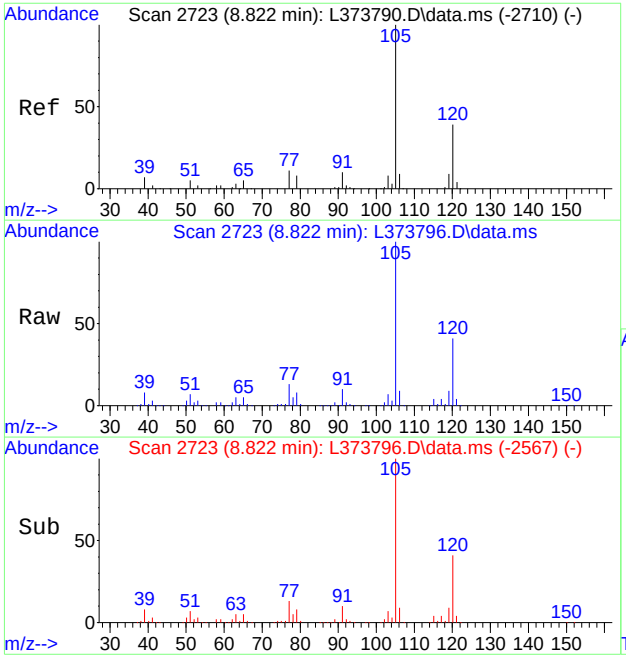


#33
acrylonitrile
Concen: 44.58 ug/L
RT: 2.761 min Scan# 834
Delta R.T. -0.000 min
Lab File: L373796.D
Acq: 16 Oct 2025 11:28 pm

Tgt Ion: 53 Resp: 57353

Ion	Ratio	Lower	Upper
53	100		
52	79.1	48.8	108.8
51	32.7	4.6	64.6

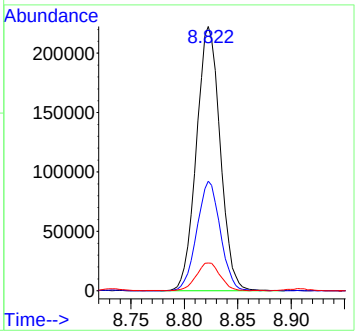




#112
1,2,3-trimethylbenzene
Concen: 36.20 ug/L
RT: 8.822 min Scan# 2723
Delta R.T. 0.000 min
Lab File: L373796.D
Acq: 16 Oct 2025 11:28 pm

Tgt Ion:105 Resp: 344533

Ion	Ratio	Lower	Upper
105	100		
120	41.4	8.8	68.8
91	10.4	0.0	40.2



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\adriana2\VL11481\
Data File : L374036.d
Acq On : 24 Oct 2025 11:26 am
Operator : BridgetK
Sample : cc11472-20 Inst : GCMSL
Misc : MS98250,VL11481,5,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 27 04:55:24 2025
Quant Method : C:\msdchem\1\data\adriana2\VL11481\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 13:39:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) tert butyl alcohol-d9	2.603	65	194377	500.00	ug/L		0.00
5) pentafluorobenzene	3.746	168	188727	50.00	ug/L		0.00
51) 1,4-difluorobenzene	4.285	114	309751	50.00	ug/L		0.00
72) chlorobenzene-d5	6.608	117	238053	50.00	ug/L		0.00
96) 1,4-dichlorobenzene-d4	8.774	152	118968	50.00	ug/L		0.00
124) pentafluorobenzene(a)	3.746	168	188727	50.00	ug/L		0.00
131) 1,4-dichlorobenzene-d4(a)	8.774	152	118968	50.00	ug/L		0.00
System Monitoring Compounds							
43) dibromofluoromethane (s)	3.746	113	95347	48.40	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 96.80%				
52) 1,2-dichloroethane-d4 (s)	3.983	65	112850	50.08	ug/L		0.00
Spiked Amount 50.000	Range 81 - 124		Recovery = 100.16%				
73) toluene-d8 (s)	5.386	98	349070	50.56	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 101.12%				
97) 4-bromofluorobenzene (s)	7.677	95	123613	48.42	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 96.84%				
Target Compounds							Qvalue
2) 1,4-dioxane	4.699	88	26710	498.1081	ug/L		93
3) ethanol	2.080	45	90723	1971.3138	ug/L		96
4) tertiary butyl alcohol	2.655	59	54706	91.0203	ug/L		95
6) chlorodifluoromethane	1.365	51	55000	19.8786	ug/L		94
7) dichlorodifluoromethane	1.352	85	63142	22.5884	ug/L		98
8) chloromethane	1.484	50	47575	17.7329	ug/L		99
9) vinyl chloride	1.554	62	51833	19.5229	ug/L		97
10) 1,3-butadiene	1.580	54	52445	21.3515	ug/L		97
11) bromomethane	1.769	96	12755	19.3201	ug/L		100
12) chloroethane	1.840	64	20822	18.6955	ug/L		98
13) trichlorofluoromethane	1.997	101	76461	22.6486	ug/L		99
14) ethyl ether	2.161	74	24405	21.7048	ug/L		86
15) acrolein	2.250	56	8091	16.7937	ug/L		97
16) freon 113	2.318	151	31214	21.9423	ug/L		99
17) 1,1-dichloroethene	2.321	96	36178	20.3496	ug/L		95
18) acetone	2.334	58	24126	68.9609	ug/L		93
19) acetonitrile	2.510	40	47355	172.7394	ug/L		98
20) iodomethane	2.421	142	11969	10.1605	ug/L		99
21) iso-butyl alcohol	3.893	43	39343	165.3997	ug/L		98
22) carbon disulfide	2.472	76	110123	19.6932	ug/L		98
23) methylene chloride	2.623	84	42261	19.2610	ug/L		98
24) methyl acetate	2.523	74	10015	18.1210	ug/L	#	78
25) methyl tert butyl ether	2.777	73	115769	19.6843	ug/L		97
26) trans-1,2-dichloroethene	2.790	96	40873	20.2196	ug/L		98
27) hexane	2.956	57	51604	20.6658	ug/L		98
28) di-isopropyl ether	3.066	45	113259	18.3974	ug/L		92
29) ethyl tert-butyl ether	3.293	59	118206	18.6935	ug/L		97
30) 2-butanone	3.406	72	32302	73.3991	ug/L		95
31) 1,1-dichloroethane	3.062	63	73409	19.2247	ug/L		99
32) chloroprene	3.110	53	65204	19.8478	ug/L		99
33) acrylonitrile	2.757	53	18307	17.3711	ug/L		92
34) vinyl acetate	3.046	86	9160	18.3326	ug/L	#	83
35) ethyl acetate	3.419	45	8470	15.5573	ug/L	#	73
36) 2,2-dichloropropane	3.438	77	66128	19.2215	ug/L		98
37) cis-1,2-dichloroethene	3.428	96	43507	19.5882	ug/L		96
38) propionitrile	3.451	54	103616	172.8182	ug/L		93
39) methyl acrylate	3.457	85	8595	18.3366	ug/L	#	93
40) bromochloromethane	3.582	128	19014	19.4396	ug/L		87

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\adriana2\VL11481\
Data File : L374036.d
Acq On : 24 Oct 2025 11:26 am
Operator : BridgetK
Sample : cc11472-20 Inst : GCMSL
Misc : MS98250,VL11481,5,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 27 04:55:24 2025
Quant Method : C:\msdchem\1\data\adriana2\VL11481\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 13:39:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) tetrahydrofuran	3.595	72	9558	17.4285	ug/L		85
42) chloroform	3.643	83	76921	18.1528	ug/L		99
44) methacrylonitrile	3.553	67	22876	17.8903	ug/L		92
45) 1,1,1-trichloroethane	3.765	97	67183	20.0229	ug/L		79
46) cyclohexane	3.820	84	67229	24.1127	ug/L		91
47) 1,1-dichloropropene	3.871	75	56291	20.6873	ug/L		97
48) carbon tetrachloride	3.874	117	53023	19.3866	ug/L		98
49) isopropyl acetate	3.999	87	10639	17.5274	ug/L	#	88
50) tert amyl alcohol	3.977	55	18407	77.4625	ug/L		97
53) tert-amyl methyl ether	4.073	73	115028	19.0790	ug/L		98
54) 2,2,4-trimethylpentane	4.073	57	95647	21.3162	ug/L		95
55) n-butyl alcohol	4.356	56	142138	802.1570	ug/L		94
56) benzene	4.009	78	159695	19.8137	ug/L		99
57) heptane	4.189	57	19467	20.4651	ug/L		97
58) 1,2-dichloroethane	4.038	62	59323	19.3358	ug/L		95
59) trichloroethene	4.461	95	41376	20.3901	ug/L		96
60) ethyl acrylate	4.494	55	64345	17.7177	ug/L		99
61) 2-nitropropane	5.004	41	18750	17.3999	ug/L		98
62) 2-chloroethyl vinyl ether	5.039	63	58305	83.5571	ug/L		98
63) methyl methacrylate	4.670	100	12774	18.9899	ug/L	#	90
64) 1,2-dichloropropane	4.651	63	39895	19.3916	ug/L		99
65) methylcyclohexane	4.641	83	61111	21.9688	ug/L		96
66) dibromomethane	4.721	93	28368	20.0138	ug/L		96
67) bromodichloromethane	4.840	83	53857	18.3435	ug/L		97
68) cis-1,3-dichloropropene	5.174	75	61264	18.6146	ug/L		99
69) epichlorohydrin	5.084	57	36705	87.4871	ug/L		96
70) 4-methyl-2-pentanone	5.276	58	90716	70.1365	ug/L		98
71) 3-methyl-1-butanol	5.309	70	55457	334.9609	ug/L		86
74) toluene	5.443	92	98327	20.1229	ug/L		98
75) trans-1,3-dichloropropene	5.620	75	56705	18.6126	ug/L		95
76) ethyl methacrylate	5.649	69	55802	18.1278	ug/L		98
77) 1,1,2-trichloroethane	5.783	83	31554	19.4771	ug/L		95
78) 2-hexanone	5.954	58	98676	71.0621	ug/L		97
79) tetrachloroethene	5.867	166	41556	21.1729	ug/L		97
80) 1,3-dichloropropane	5.921	76	61939	19.8383	ug/L		98
81) butyl acetate	6.047	56	32091	17.5384	ug/L		88
82) dibromochloromethane	6.104	129	36603	17.5174	ug/L		99
83) 1,2-dibromoethane	6.210	107	38709	19.6662	ug/L		91
84) n-butyl ether	6.704	57	158905	19.3190	ug/L		99
85) chlorobenzene	6.634	112	99837	19.4596	ug/L		96
86) 1,1,1,2-tetrachloroethane	6.704	131	33264	19.1595	ug/L		99
87) ethylbenzene	6.714	91	184252	20.5842	ug/L		99
88) m,p-xylene	6.830	106	143058	41.4990	ug/L		96
89) o-xylene	7.176	106	68448	20.3064	ug/L		93
90) butyl acrylate	7.122	55	86915	17.6279	ug/L		98
91) styrene	7.195	104	113824	20.1391	ug/L		97
92) bromoform	7.362	173	23962	16.1362	ug/L		99
93) n-amyl acetate	7.327	70	33790	18.3125	ug/L		97
94) isopropylbenzene	7.510	105	166408	20.4539	ug/L		99
95) cis-1,4-dichloro-2-butene	7.571	88	7823	11.2952	ug/L		96
98) bromobenzene	7.812	156	41030	19.4336	ug/L		95
99) 1,1,2,2-tetrachloroethane	7.802	83	54688	17.0984	ug/L		93
100) trans-1,4-dichloro-2-b...	7.834	53	7124	11.1116	ug/L	#	78
101) 1,2,3-trichloropropane	7.853	110	16776	17.5520	ug/L		92
102) n-propylbenzene	7.898	91	203075	19.9017	ug/L		99
103) 2-chlorotoluene	7.985	126	39007	19.6991	ug/L		93
104) 4-chlorotoluene	8.104	126	39564	18.8379	ug/L		95
105) 1,3,5-trimethylbenzene	8.075	105	140732	19.8141	ug/L		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\adriana2\VL11481\
Data File : L374036.d
Acq On : 24 Oct 2025 11:26 am
Operator : BridgetK
Sample : cc11472-20 Inst : GCMSL
Misc : MS98250,VL11481,5,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 27 04:55:24 2025
Quant Method : C:\msdchem\1\data\adriana2\VL11481\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 13:39:16 2025
Response via : Initial Calibration

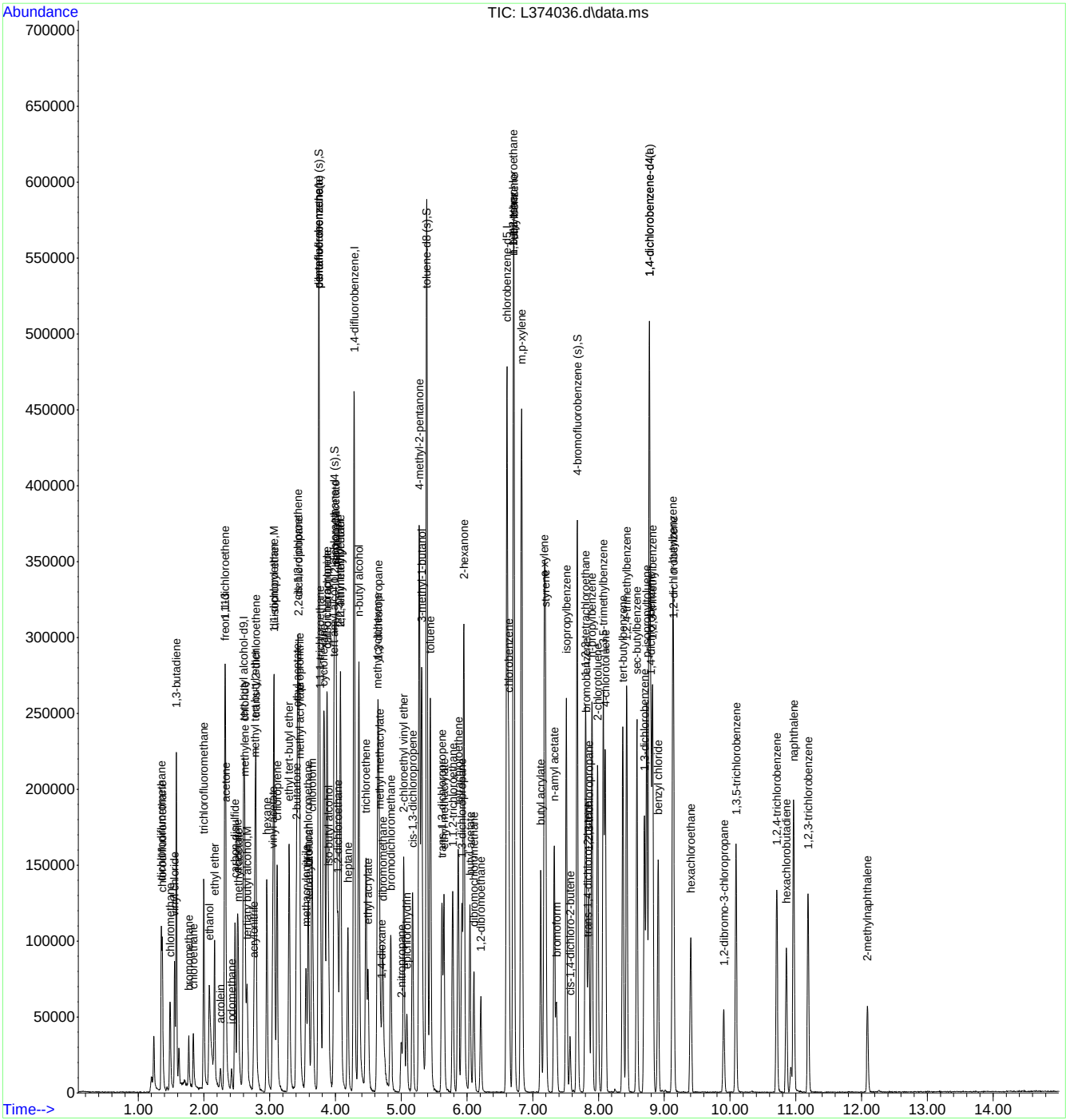
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
106) tert-butylbenzene	8.370	119	110910	19.7960	ug/L	98
107) 1,2,4-trimethylbenzene	8.428	105	145661	20.3022	ug/L	97
108) sec-butylbenzene	8.585	105	163222	20.0680	ug/L	99
109) 1,3-dichlorobenzene	8.700	146	73505	18.8257	ug/L	98
110) p-isopropyltoluene	8.732	119	135875	20.2071	ug/L	98
111) 1,4-dichlorobenzene	8.797	146	76720	19.0204	ug/L	98
112) 1,2,3-trimethylbenzene	8.822	105	147576	19.4704	ug/L	97
113) 1,2-dichlorobenzene	9.140	146	72615	19.3602	ug/L	98
114) n-butylbenzene	9.127	92	68891	20.5651	ug/L	99
115) 1,2-dibromo-3-chloropr...	9.907	157	13820	16.0416	ug/L	94
116) 1,3,5-trichlorobenzene	10.093	180	48100	19.9266	ug/L	96
117) 1,2,4-trichlorobenzene	10.709	180	41037	19.2893	ug/L	93
118) hexachlorobutadiene	10.857	225	16657	20.8352	ug/L	96
119) naphthalene	10.969	128	150481	19.0794	ug/L	99
120) 1,2,3-trichlorobenzene	11.187	180	38592	19.0360	ug/L	98
121) hexachloroethane	9.403	119	16199	15.7952	ug/L	91
122) benzyl chloride	8.906	91	104389	16.7283	ug/L	98
123) 2-methylnaphthalene	12.089	142	27767	9.1253	ug/L	98

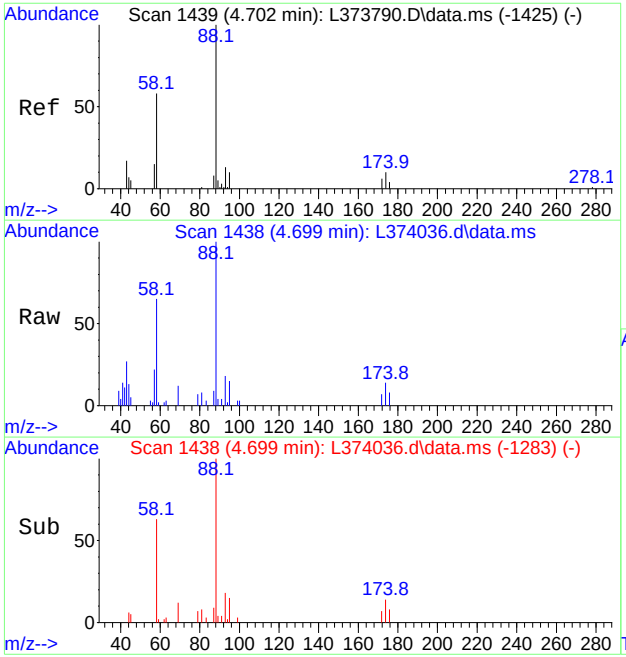
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\adriana2\VL11481\
Data File : L374036.d
Acq On : 24 Oct 2025 11:26 am
Operator : BridgetK
Sample : cc11472-20 Inst : GCMSL
Misc : MS98250,VL11481,5,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 27 04:55:24 2025
Quant Method : C:\msdchem\1\data\adriana2\VL11481\ML11472.M
Quant Title : SW846 Method V8260C/D, column ZB-624 60m x 0.25mm x 1.4 um
QLast Update : Fri Oct 17 13:39:16 2025
Response via : Initial Calibration

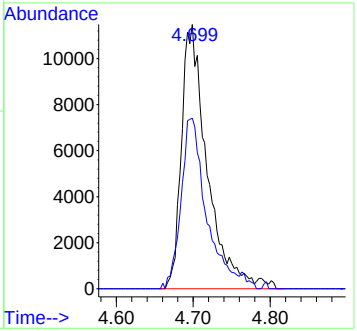


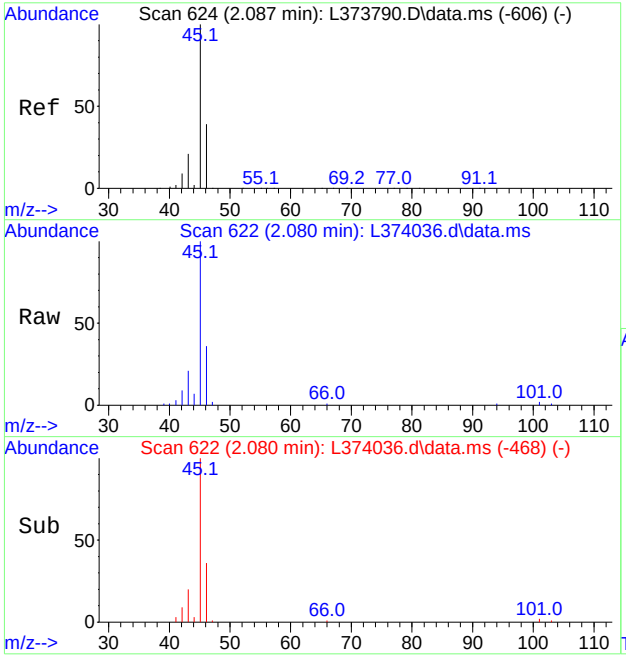


#2
1,4-dioxane
Concen: 498.1081 ug/L
RT: 4.699 min Scan# 1438
Delta R.T. -0.003 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 88 Resp: 26710

Ion	Ratio	Lower	Upper
88	100		
58	64.5	29.1	89.1

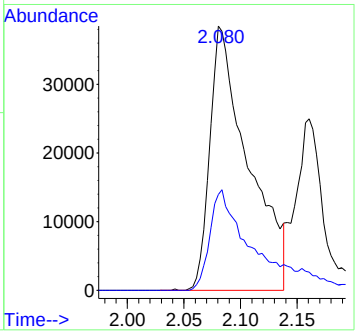


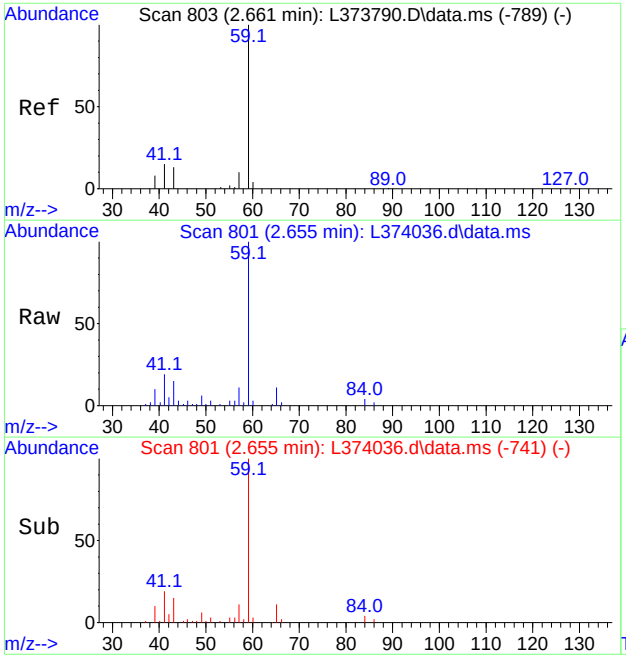


#3
ethanol
Concen: 1971.3138 ug/L
RT: 2.080 min Scan# 622
Delta R.T. -0.007 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 45 Resp: 90723

Ion	Ratio	Lower	Upper
45	100		
46	36.3	18.6	58.6

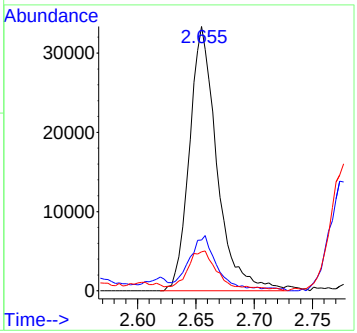


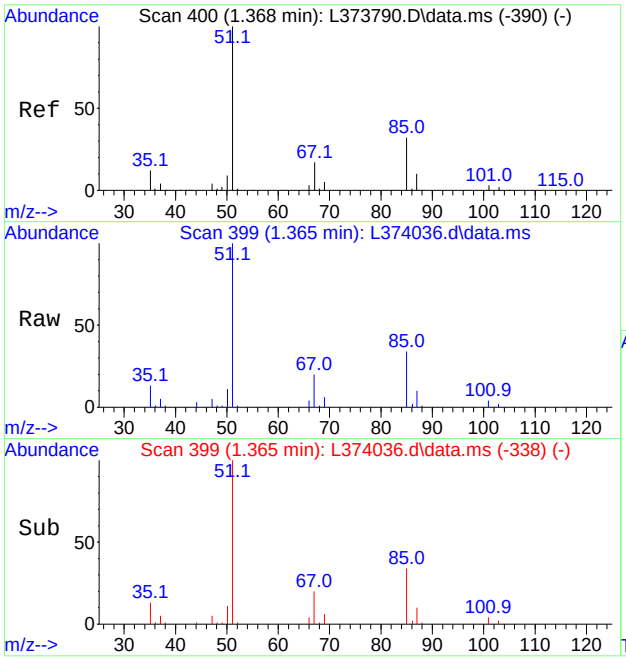


#4
tertiary butyl alcohol
Concen: 91.0203 ug/L
RT: 2.655 min Scan# 801
Delta R.T. -0.006 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 59 Resp: 54706

Ion	Ratio	Lower	Upper
59	100		
41	18.3	0.0	45.3
43	14.8	0.0	43.5

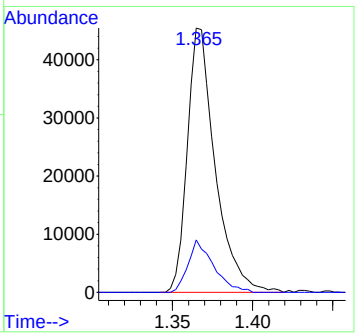


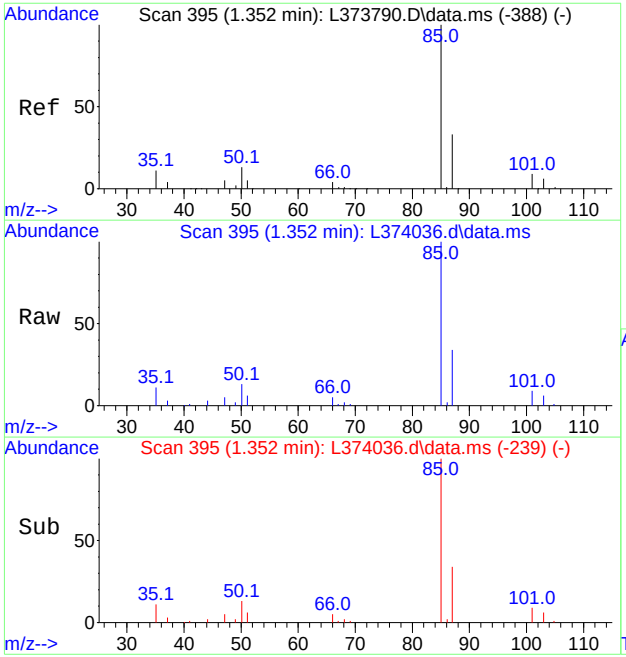


#6
chlorodifluoromethane
Concen: 19.8786 ug/L
RT: 1.365 min Scan# 399
Delta R.T. -0.003 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 51 Resp: 55000

Ion	Ratio	Lower	Upper
51	100		
67	19.8	0.0	37.0

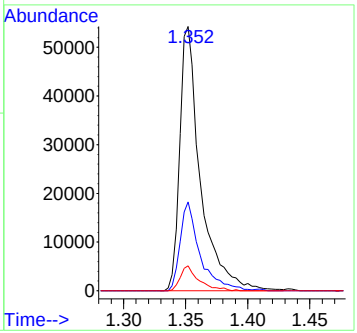


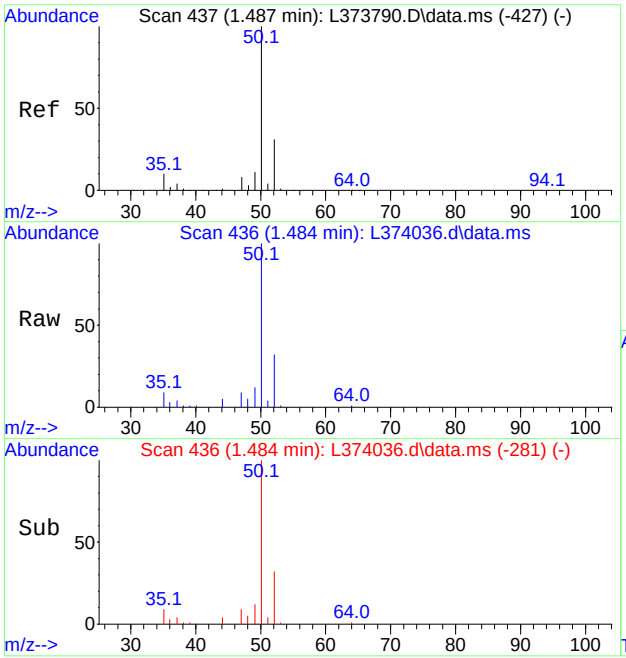


#7
dichlorodifluoromethane
Concen: 22.5884 ug/L
RT: 1.352 min Scan# 395
Delta R.T. -0.000 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 85 Resp: 63142

Ion	Ratio	Lower	Upper
85	100		
87	33.7	2.8	62.8
101	9.5	0.0	38.9

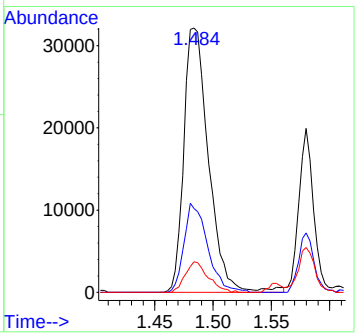


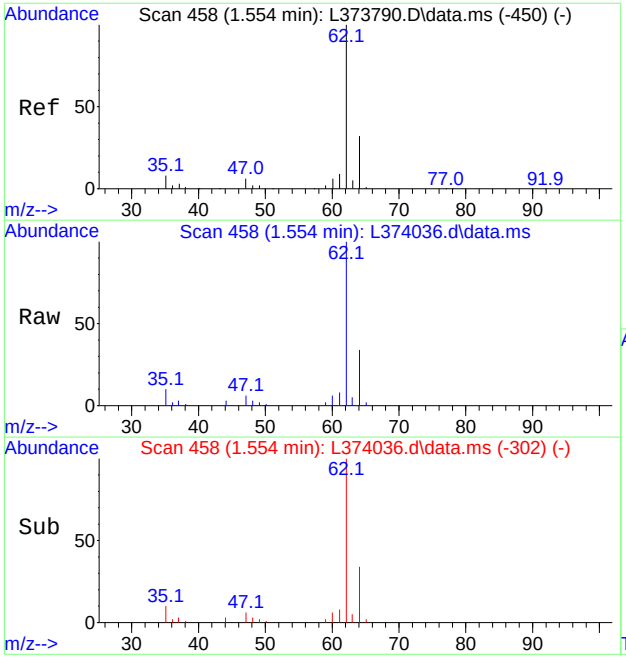


#8
chloromethane
Concen: 17.7329 ug/L
RT: 1.484 min Scan# 436
Delta R.T. -0.003 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 50 Resp: 47575

Ion	Ratio	Lower	Upper
50	100		
52	31.7	1.5	61.5
49	11.6	0.0	41.1

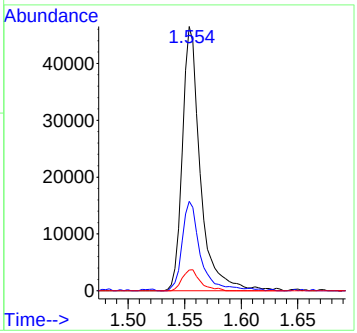


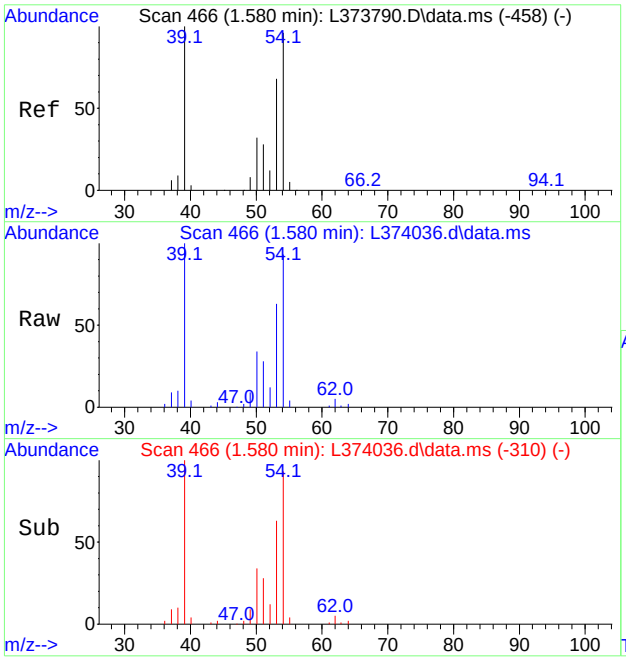


#9
vinyl chloride
Concen: 19.5229 ug/L
RT: 1.554 min Scan# 458
Delta R.T. 0.000 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 62 Resp: 51833

Ion	Ratio	Lower	Upper
62	100		
64	33.8	2.2	62.2
61	7.8	0.0	38.5

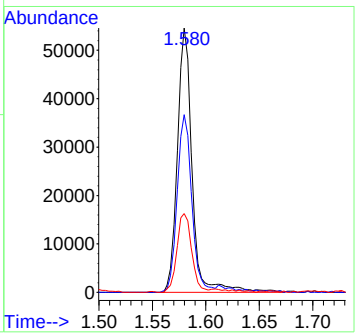


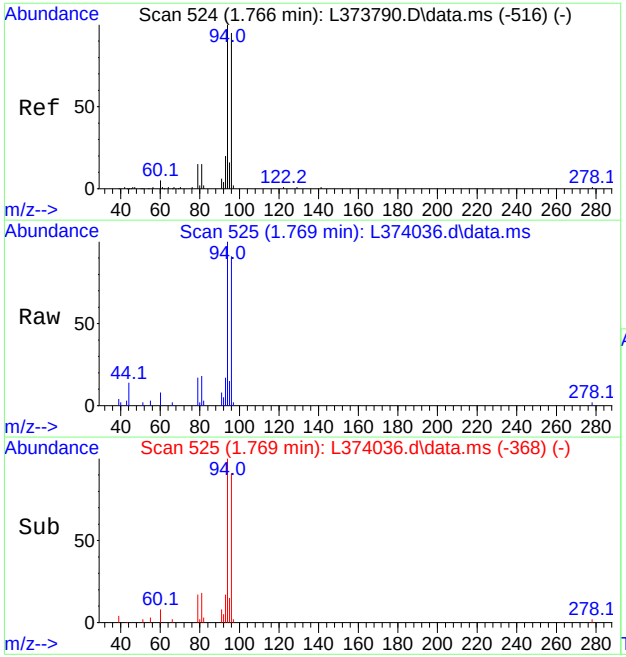


#10
1,3-butadiene
Concen: 21.3515 ug/L
RT: 1.580 min Scan# 466
Delta R.T. -0.000 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 54 Resp: 52445

Ion	Ratio	Lower	Upper
54	100		
53	67.2	40.7	100.7
51	29.8	0.0	59.5

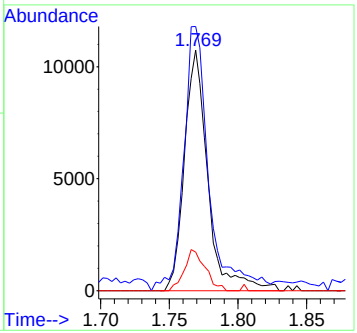


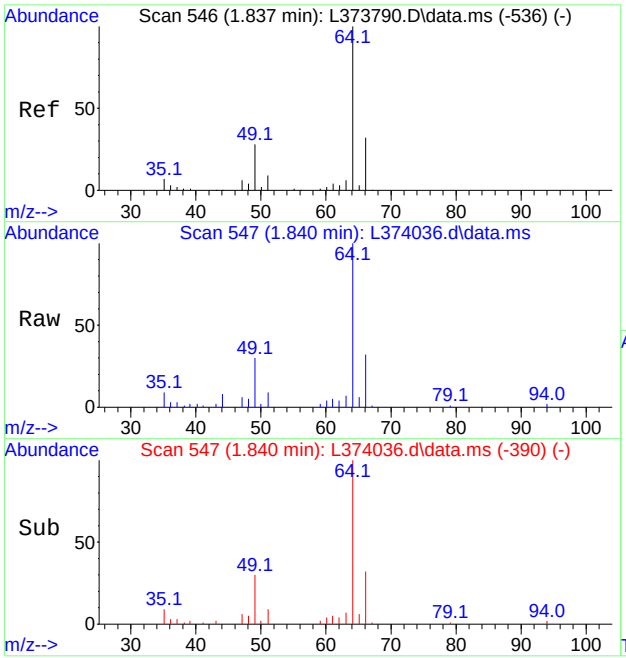


#11
bromomethane
Concen: 19.3201 ug/L
RT: 1.769 min Scan# 525
Delta R.T. 0.003 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 96 Resp: 12755

Ion	Ratio	Lower	Upper
96	100		
94	106.6	76.7	136.7
95	16.0	0.0	46.3

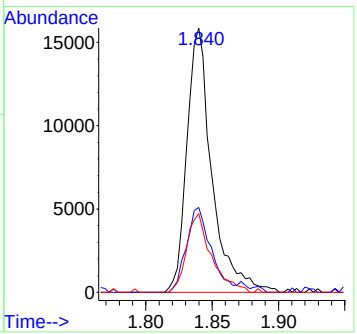


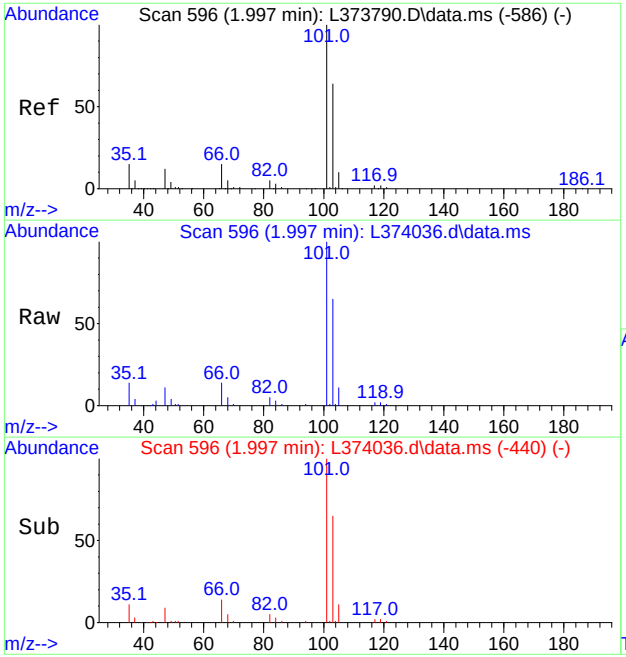


#12
chloroethane
Concen: 18.6955 ug/L
RT: 1.840 min Scan# 547
Delta R.T. 0.003 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 64 Resp: 20822

Ion	Ratio	Lower	Upper
64	100		
66	32.1	1.8	61.8
49	29.8	0.0	57.7

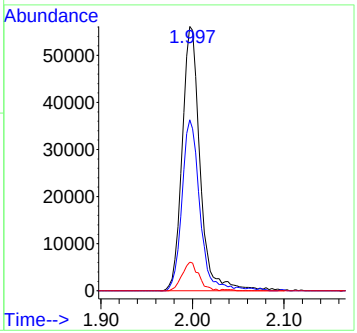


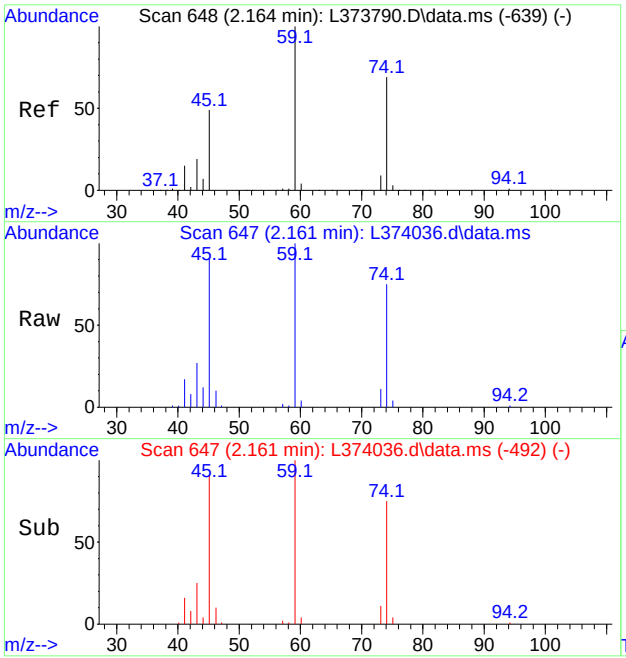


#13
trichlorofluoromethane
Concen: 22.6486 ug/L
RT: 1.997 min Scan# 596
Delta R.T. -0.000 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion:101 Resp: 76461

Ion	Ratio	Lower	Upper
101	100		
103	64.7	33.8	93.8
105	10.8	0.0	40.0

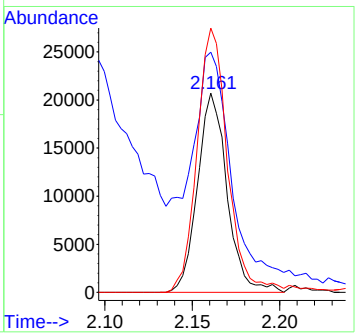


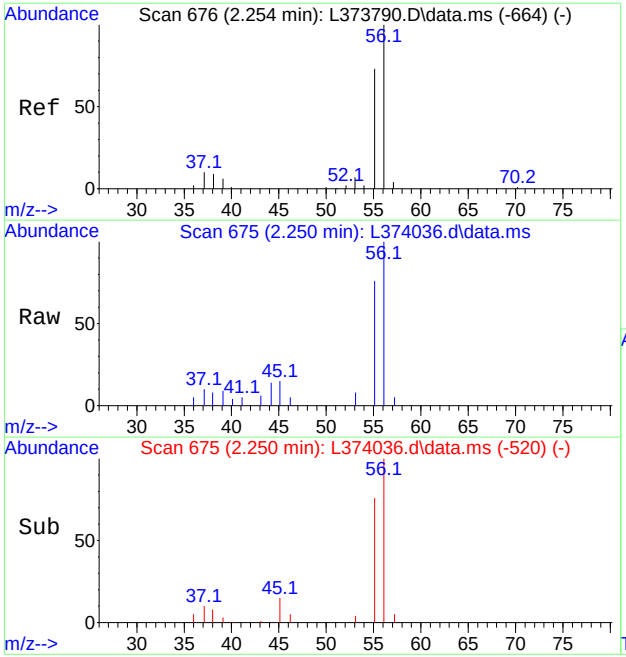


#14
ethyl ether
Concen: 21.7048 ug/L
RT: 2.161 min Scan# 647
Delta R.T. -0.003 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 74 Resp: 24405

Ion	Ratio	Lower	Upper
74	100		
45	110.5	102.0	162.0
59	132.6	114.2	174.2

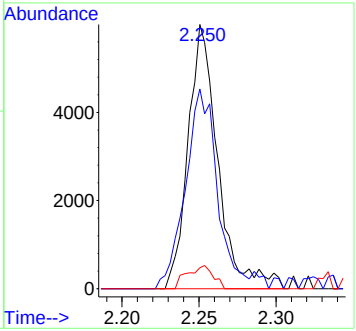


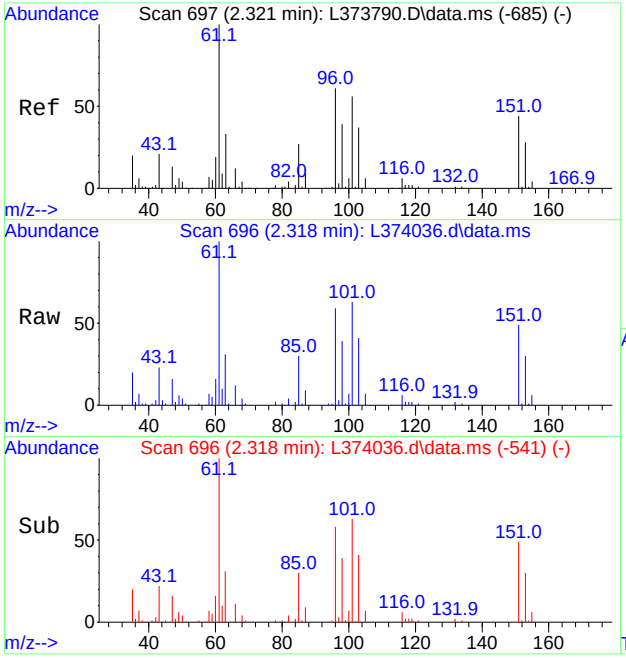


#15
acrolein
Concen: 16.7937 ug/L
RT: 2.250 min Scan# 675
Delta R.T. -0.004 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 56 Resp: 8091

Ion	Ratio	Lower	Upper
56	100		
55	75.6	42.9	102.9
53	7.9	0.0	38.0

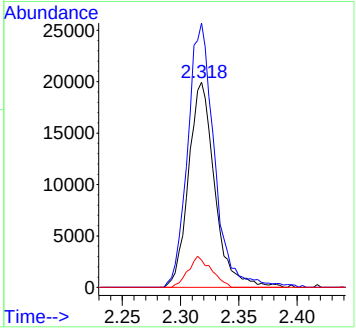


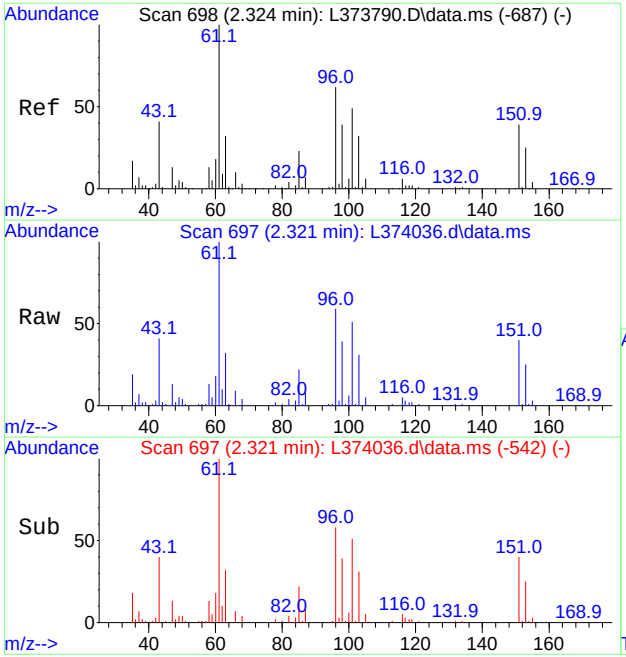


#16
freon 113
Concen: 21.9423 ug/L
RT: 2.318 min Scan# 696
Delta R.T. -0.003 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion:151 Resp: 31214

Ion	Ratio	Lower	Upper
151	100		
101	128.8	107.4	147.4
116	13.3	0.0	33.9

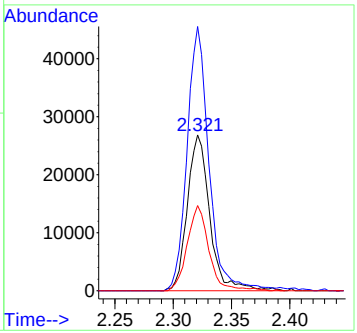


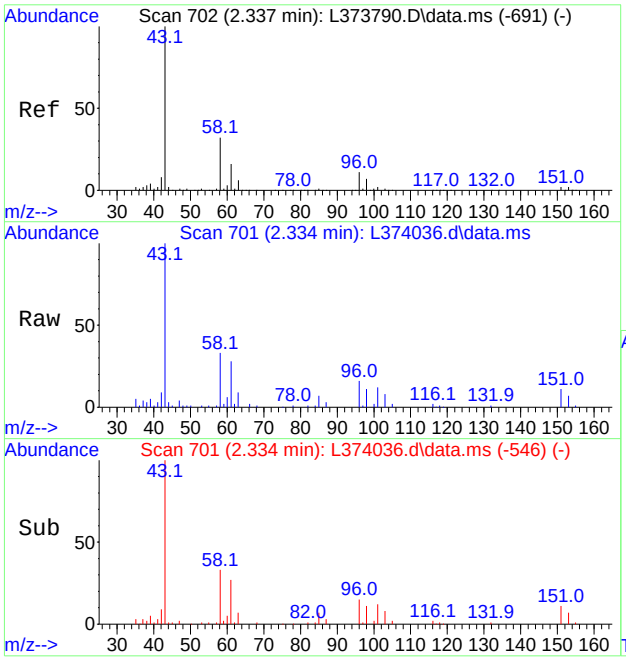


#17
1,1-dichloroethene
Concen: 20.3496 ug/L
RT: 2.321 min Scan# 697
Delta R.T. -0.003 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 96 Resp: 36178

Ion	Ratio	Lower	Upper
96	100		
61	169.6	131.4	191.4
63	54.7	22.3	82.3

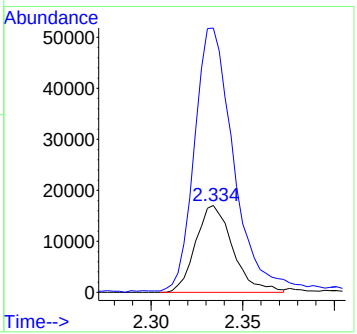


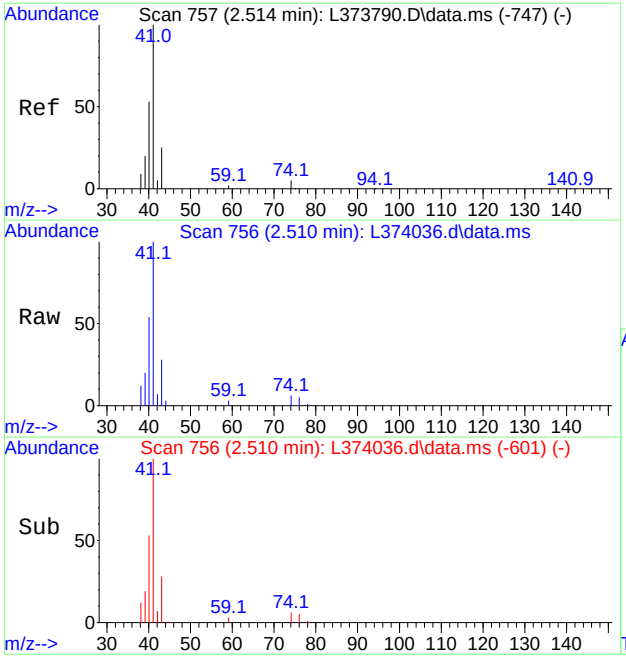


#18
acetone
Concen: 68.9609 ug/L
RT: 2.334 min Scan# 701
Delta R.T. -0.003 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 58 Resp: 24126

Ion	Ratio	Lower	Upper
58	100		
43	302.3	286.5	346.5

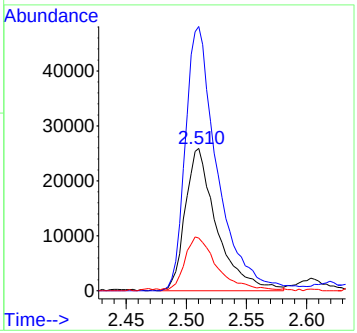


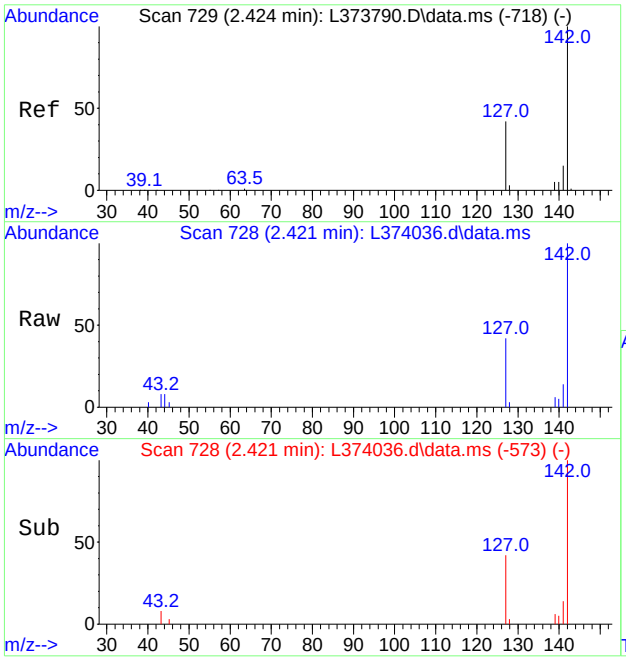


#19
acetonitrile
Concen: 172.7394 ug/L
RT: 2.510 min Scan# 756
Delta R.T. -0.004 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 40 Resp: 47355

Ion	Ratio	Lower	Upper
40	100		
41	185.8	158.5	218.5
39	36.2	8.2	68.2

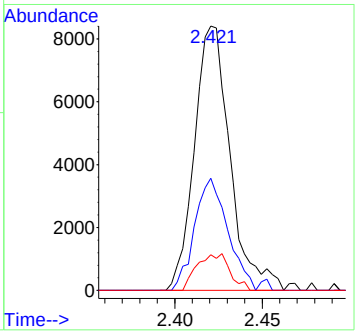




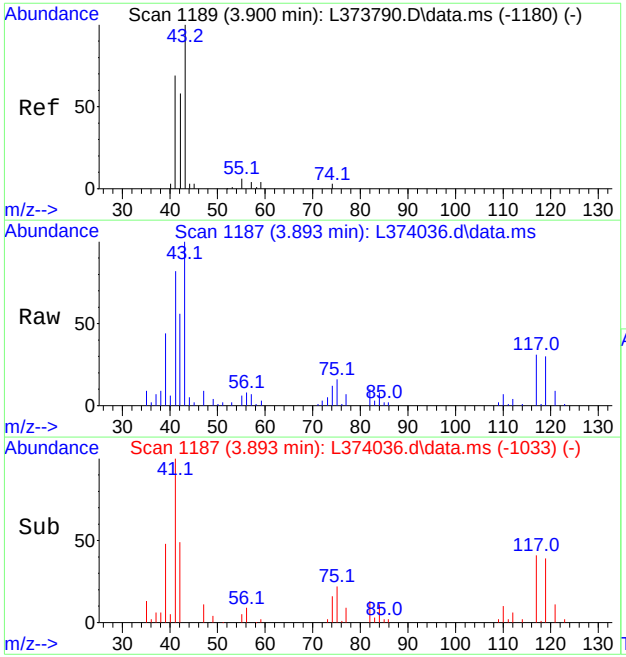
#20
iodomethane
Concen: 10.1605 ug/L
RT: 2.421 min Scan# 728
Delta R.T. -0.003 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion:142 Resp: 11969

Ion	Ratio	Lower	Upper
142	100		
127	42.4	12.2	72.2
141	13.5	0.0	44.6



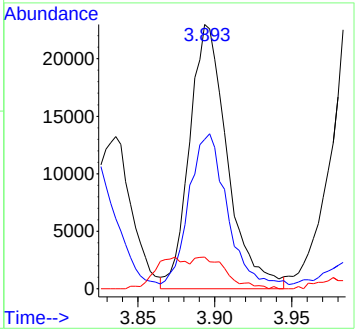
7.6.13

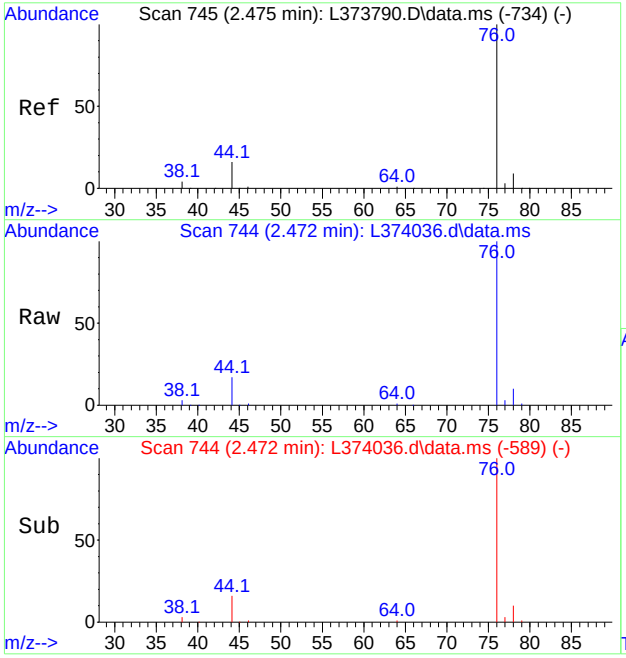


#21
iso-butyl alcohol
Concen: 165.3997 ug/L
RT: 3.893 min Scan# 1187
Delta R.T. -0.007 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 43 Resp: 39343

Ion	Ratio	Lower	Upper
43	100		
42	57.1	28.3	88.3
74	12.5	0.0	40.9

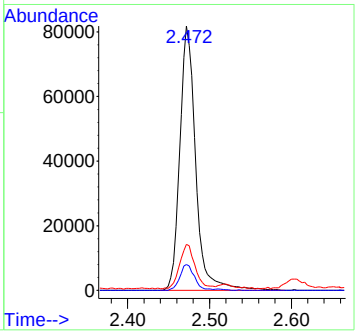


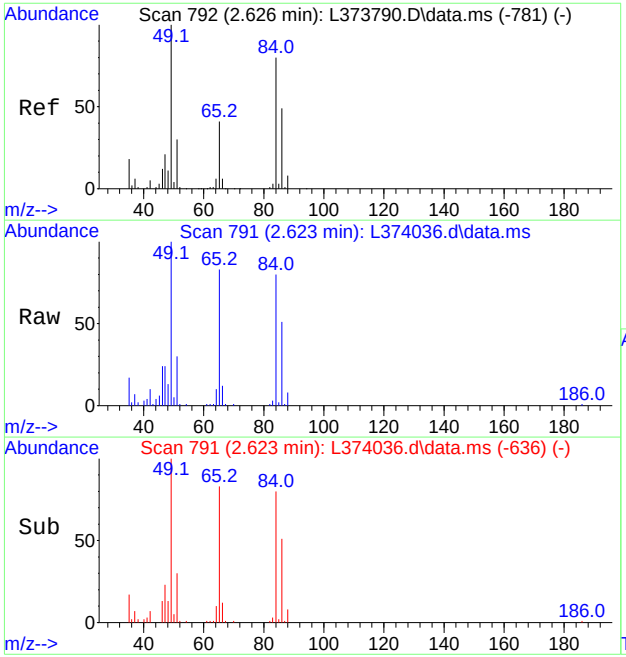


#22
carbon disulfide
Concen: 19.6932 ug/L
RT: 2.472 min Scan# 744
Delta R.T. -0.003 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 76 Resp: 110123

Ion	Ratio	Lower	Upper
76	100		
78	9.7	0.0	38.9
44	16.7	0.0	46.1

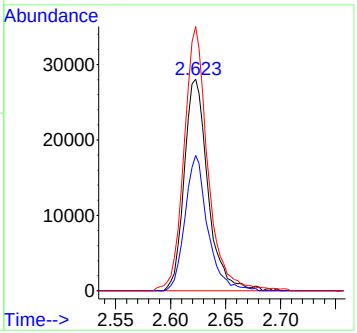


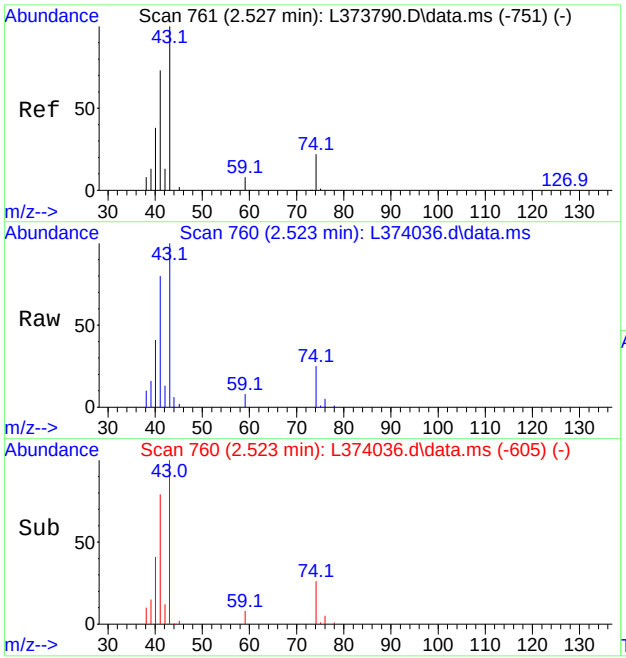


#23
methylene chloride
Concen: 19.2610 ug/L
RT: 2.623 min Scan# 791
Delta R.T. -0.003 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 84 Resp: 42261

Ion	Ratio	Lower	Upper
84	100		
86	64.0	31.2	91.2
49	124.0	95.6	155.6

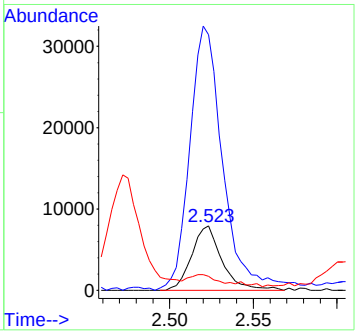


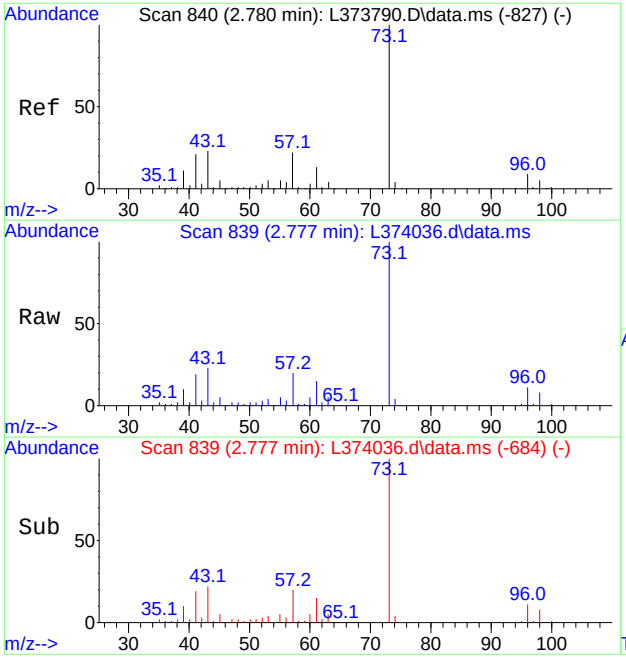


#24
methyl acetate
Concen: 18.1210 ug/L
RT: 2.523 min Scan# 760
Delta R.T. -0.004 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 74 Resp: 10015

Ion	Ratio	Lower	Upper
74	100		
43	391.5	417.7	477.7#
44	14.0	0.0	39.0

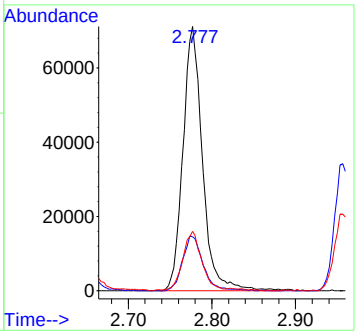


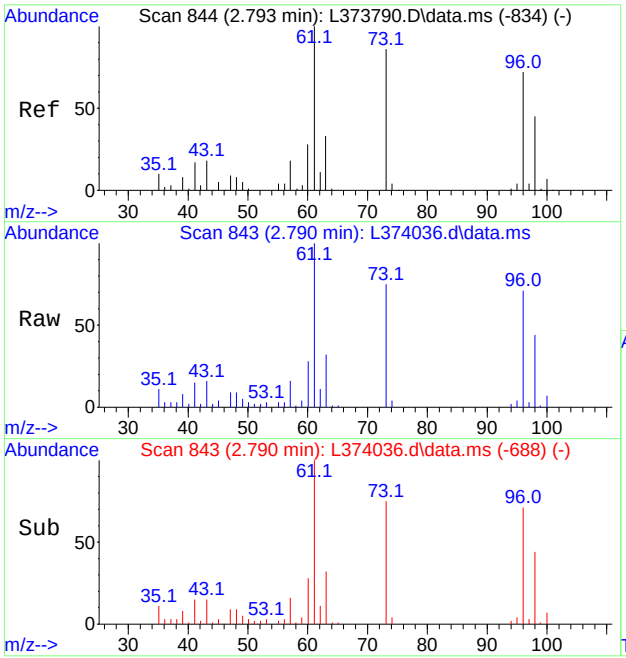


#25
methyl tert butyl ether
Concen: 19.6843 ug/L
RT: 2.777 min Scan# 839
Delta R.T. -0.003 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 73 Resp: 115769

Ion	Ratio	Lower	Upper
73	100		
57	20.5	0.0	52.4
43	22.2	0.0	52.7

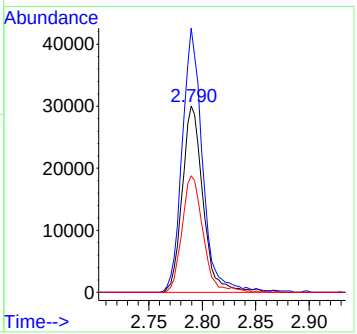


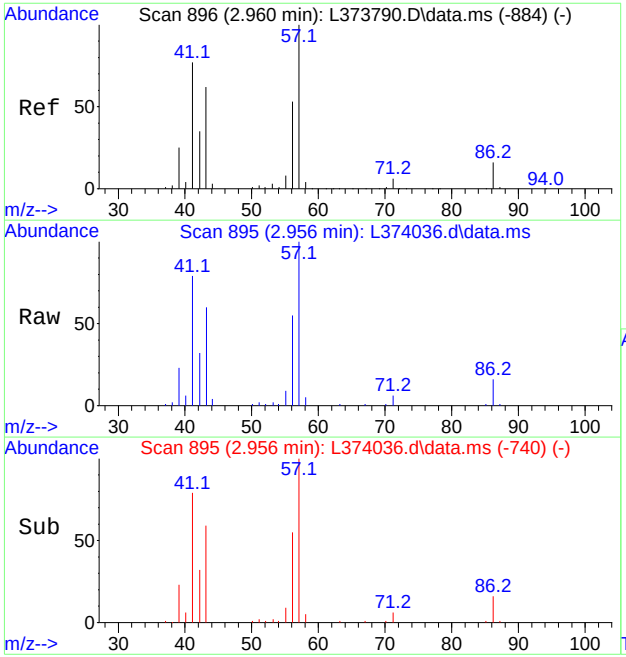


#26
trans-1,2-dichloroethene
Concen: 20.2196 ug/L
RT: 2.790 min Scan# 843
Delta R.T. -0.003 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 96 Resp: 40873

Ion	Ratio	Lower	Upper
96	100		
61	141.8	109.1	169.1
98	62.5	32.0	92.0

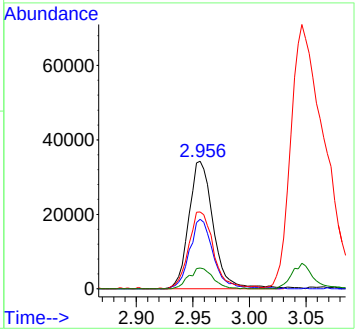


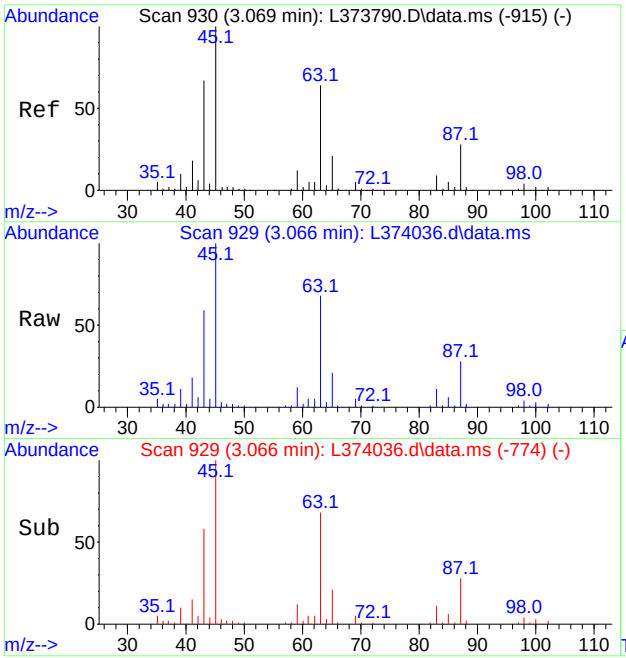


#27
hexane
Concen: 20.6658 ug/L
RT: 2.956 min Scan# 895
Delta R.T. -0.004 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 57 Resp: 51604

Ion	Ratio	Lower	Upper
57	100		
56	54.6	32.9	72.9
43	59.5	41.9	81.9
86	16.3	0.0	36.3

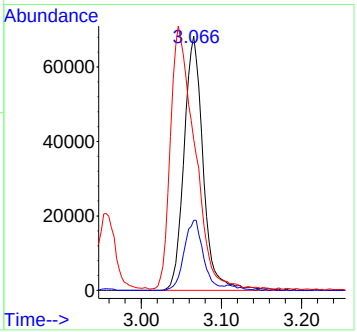


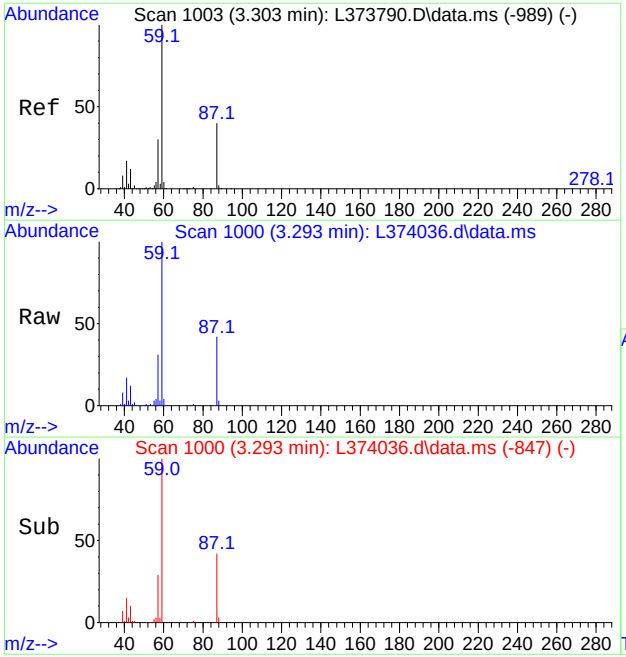


#28
di-isopropyl ether
Concen: 18.3974 ug/L
RT: 3.066 min Scan# 929
Delta R.T. -0.003 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 45 Resp: 113259

Ion	Ratio	Lower	Upper
45	100		
87	27.6	0.0	57.5
43	59.0	37.5	97.5

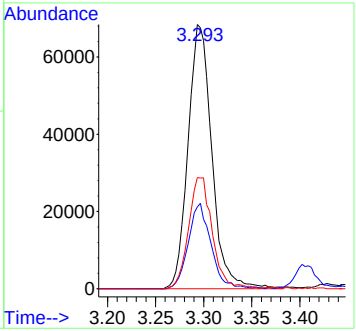


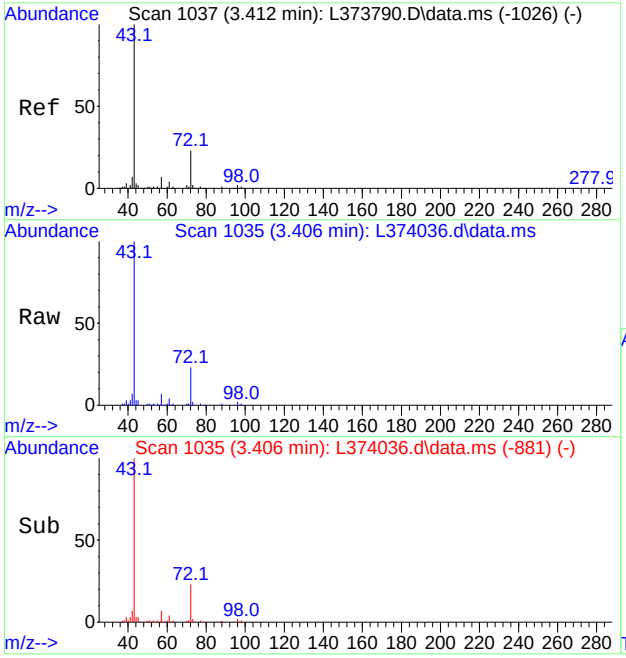


#29
ethyl tert-butyl ether
Concen: 18.6935 ug/L
RT: 3.293 min Scan# 1000
Delta R.T. -0.010 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 59 Resp: 118206

Ion	Ratio	Lower	Upper
59	100		
57	31.0	0.3	60.3
87	42.1	9.6	69.6

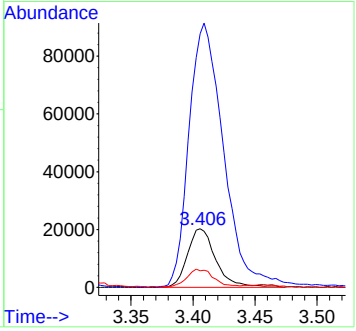


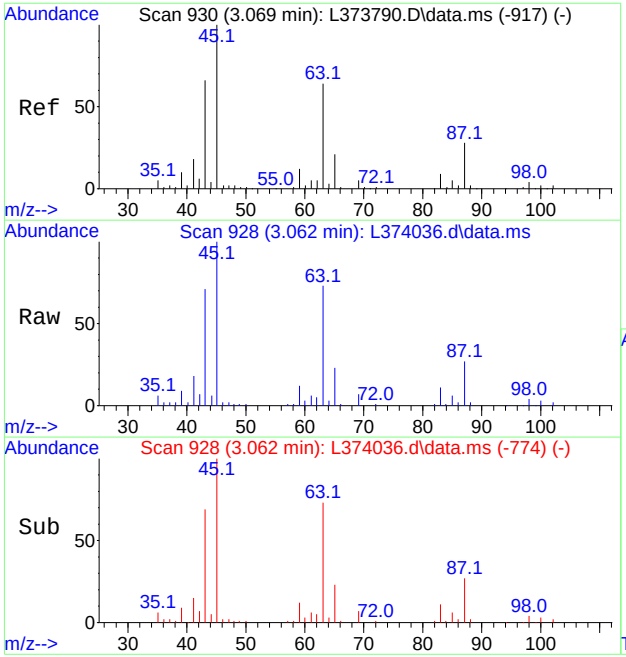


#30
2-butanone
Concen: 73.3991 ug/L
RT: 3.406 min Scan# 1035
Delta R.T. -0.006 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 72 Resp: 32302

Ion	Ratio	Lower	Upper
72	100		
43	430.5	411.9	471.9
57	28.3	2.4	62.4

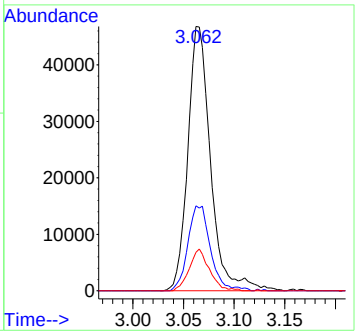


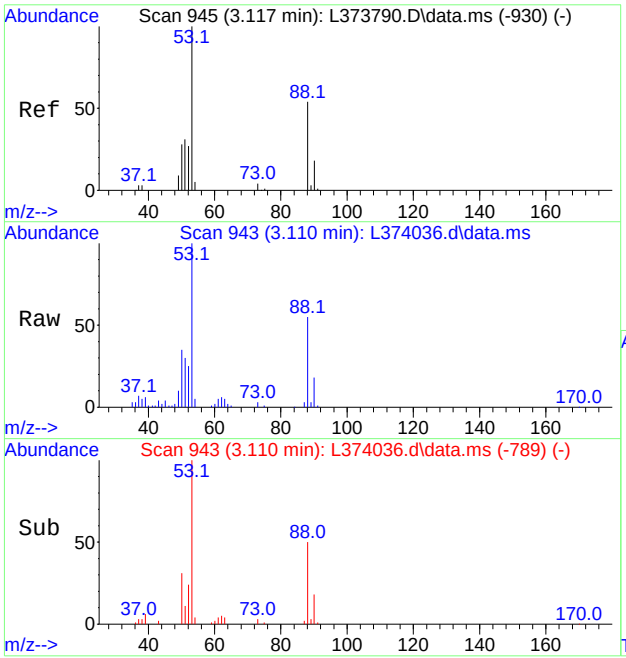


#31
1,1-dichloroethane
Concen: 19.2247 ug/L
RT: 3.062 min Scan# 928
Delta R.T. -0.007 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 63 Resp: 73409

Ion	Ratio	Lower	Upper
63	100		
65	32.1	2.5	62.5
83	14.6	0.0	43.5

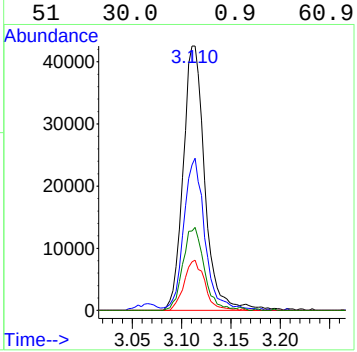


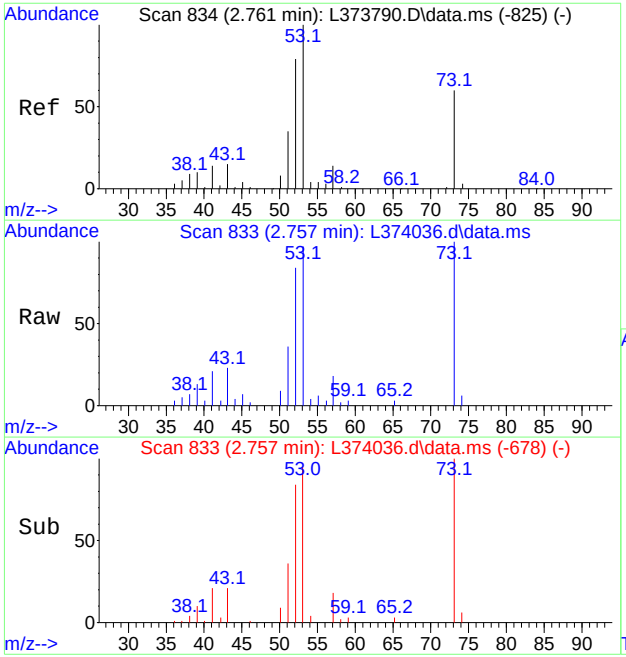


#32
chloroprene
Concen: 19.8478 ug/L
RT: 3.110 min Scan# 943
Delta R.T. -0.007 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 53 Resp: 65204

Ion	Ratio	Lower	Upper
53	100		
88	55.1	26.2	86.2
90	18.4	0.0	47.9
51	30.0	0.9	60.9

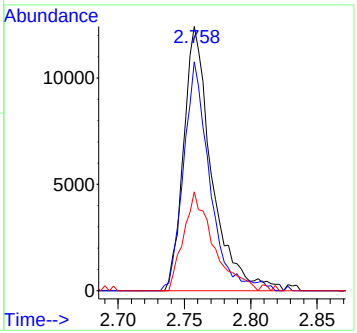


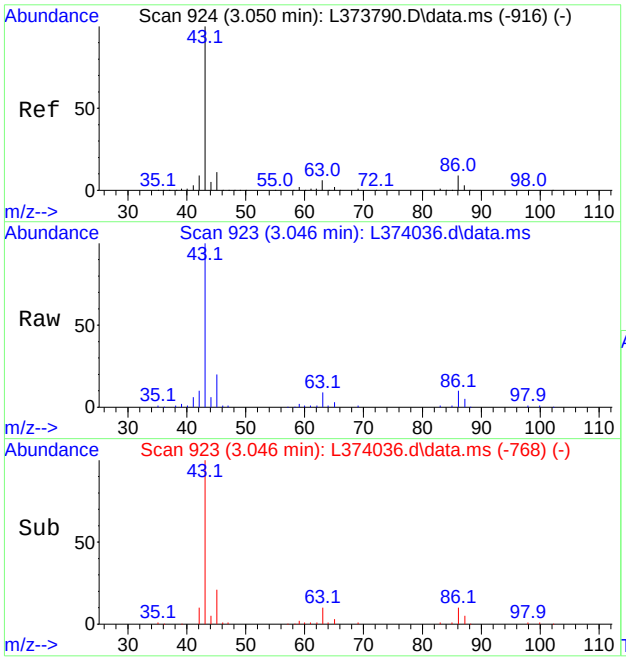


#33
acrylonitrile
Concen: 17.3711 ug/L
RT: 2.757 min Scan# 833
Delta R.T. -0.004 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 53 Resp: 18307

Ion	Ratio	Lower	Upper
53	100		
52	86.6	48.8	108.8
51	37.4	4.6	64.6

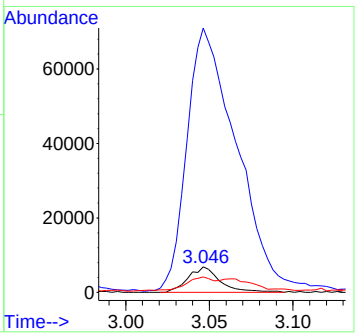


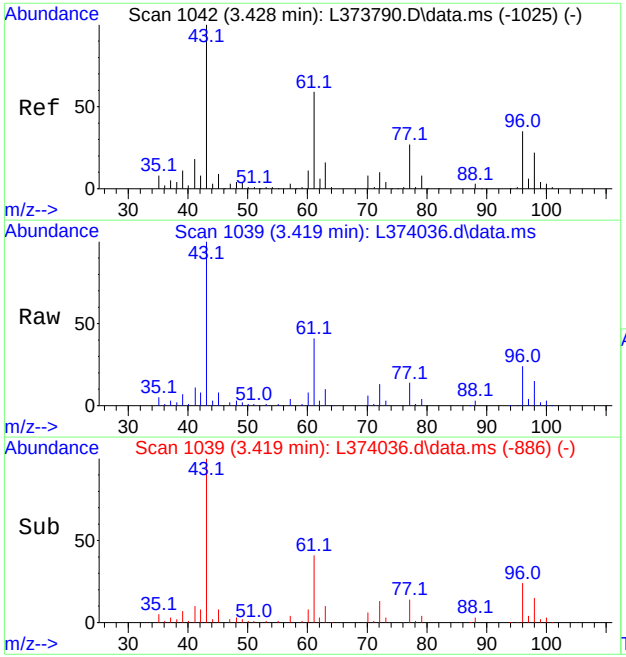


#34
vinyl acetate
Concen: 18.3326 ug/L
RT: 3.046 min Scan# 923
Delta R.T. -0.004 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 86 Resp: 9160

Ion	Ratio	Lower	Upper
86	100		
43	1020.5	1076.3	1136.3#
44	50.1	23.6	83.6

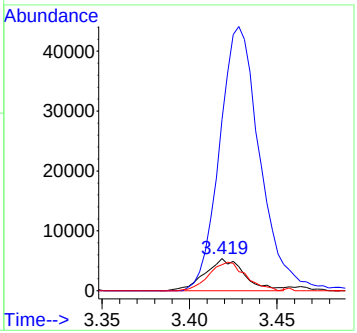


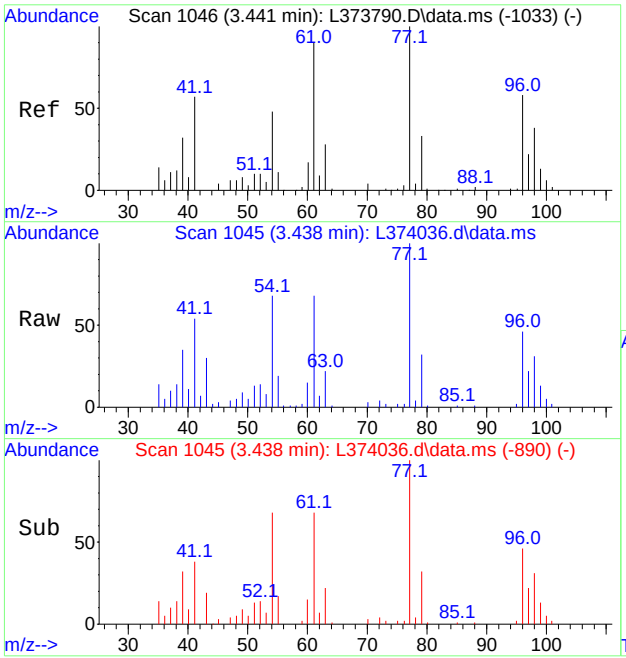


#35
ethyl acetate
Concen: 15.5573 ug/L
RT: 3.419 min Scan# 1039
Delta R.T. -0.009 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 45 Resp: 8470

Ion	Ratio	Lower	Upper
45	100		
61	531.4	598.6	658.6#
70	81.2	53.6	113.6

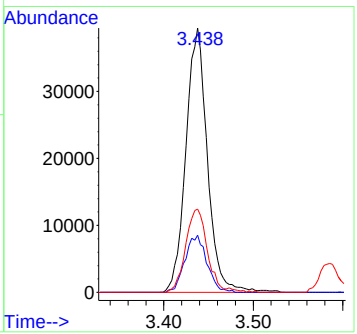


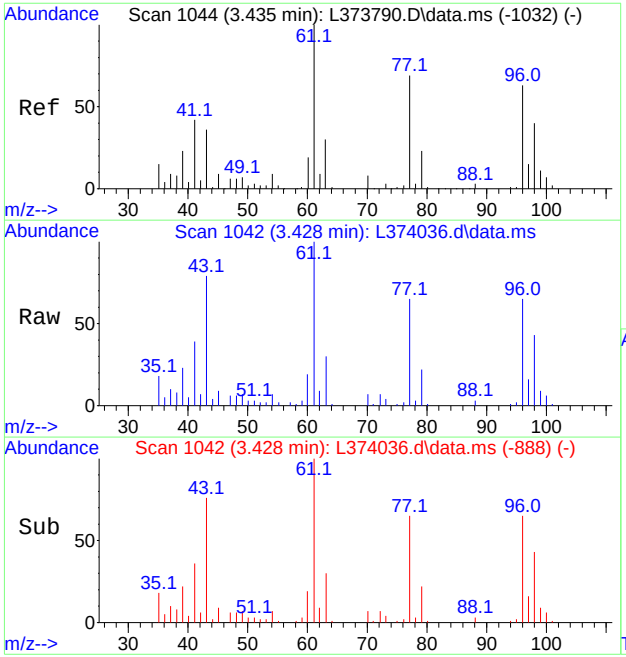


#36
2,2-dichloropropane
Concen: 19.2215 ug/L
RT: 3.438 min Scan# 1045
Delta R.T. -0.003 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 77 Resp: 66128

Ion	Ratio	Lower	Upper
77	100		
97	21.7	0.0	52.3
79	31.5	3.0	63.0

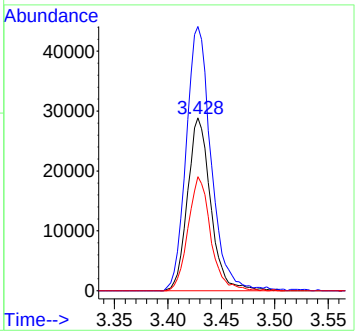


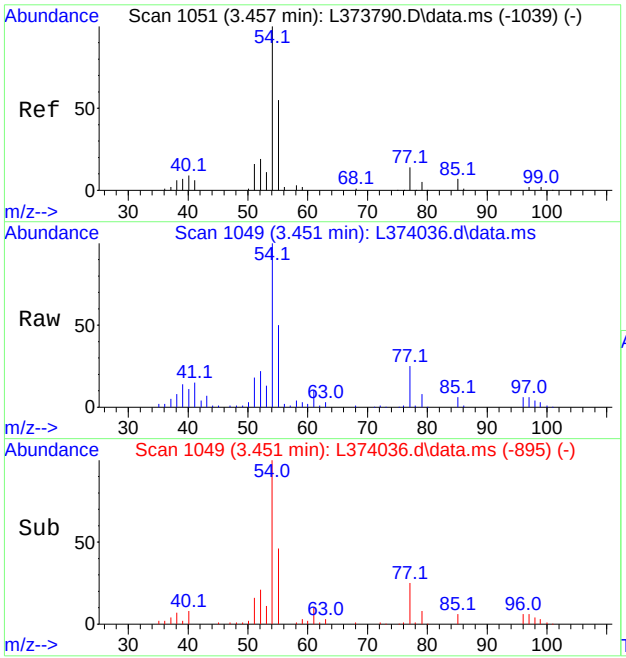


#37
cis-1,2-dichloroethene
Concen: 19.5882 ug/L
RT: 3.428 min Scan# 1042
Delta R.T. -0.007 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 96 Resp: 43507

Ion	Ratio	Lower	Upper
96	100		
61	152.9	128.7	188.7
98	66.0	34.1	94.1

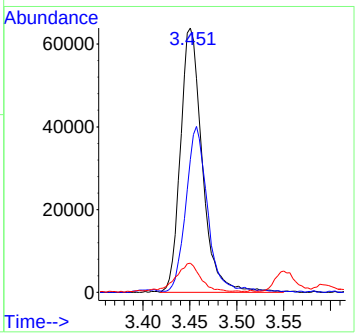


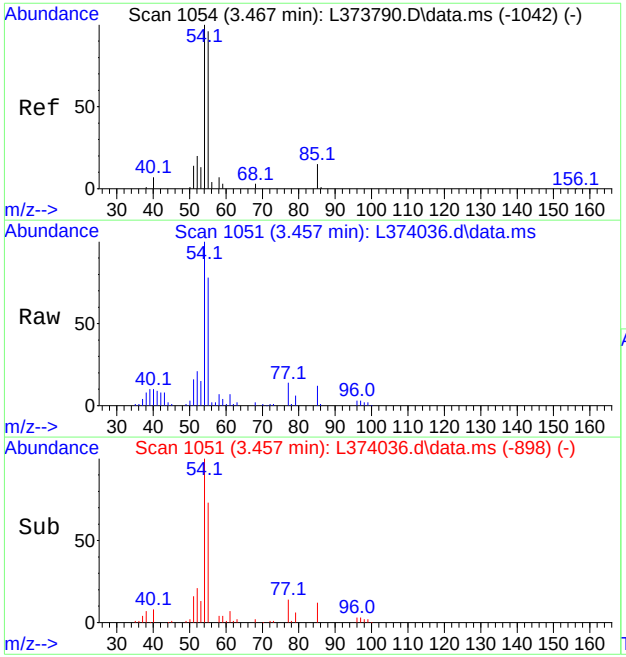


#38
propionitrile
Concen: 172.8182 ug/L
RT: 3.451 min Scan# 1049
Delta R.T. -0.006 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 54 Resp: 103616

Ion	Ratio	Lower	Upper
54	100		
55	49.9	25.4	85.4
40	9.5	0.0	39.0

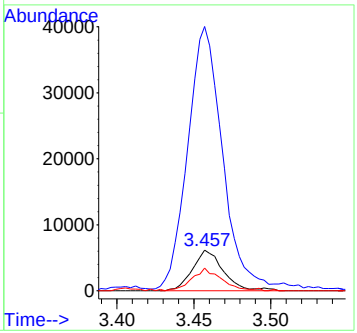


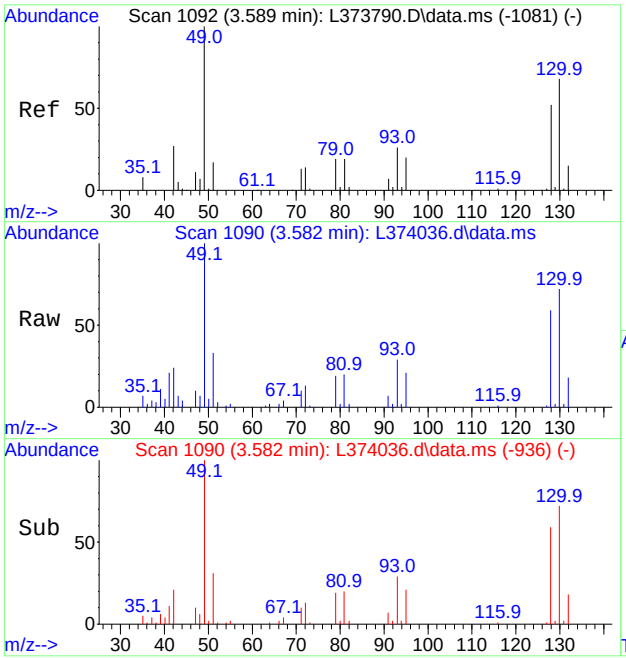


#39
methyl acrylate
Concen: 18.3366 ug/L
RT: 3.457 min Scan# 1051
Delta R.T. -0.010 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 85 Resp: 8595

Ion	Ratio	Lower	Upper
85	100		
55	636.6	639.4	679.4#
58	55.8	29.8	69.8

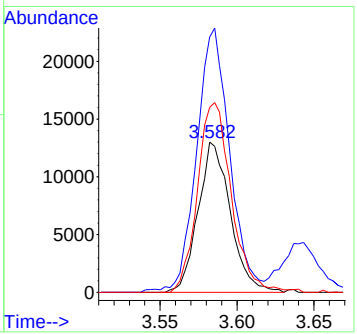


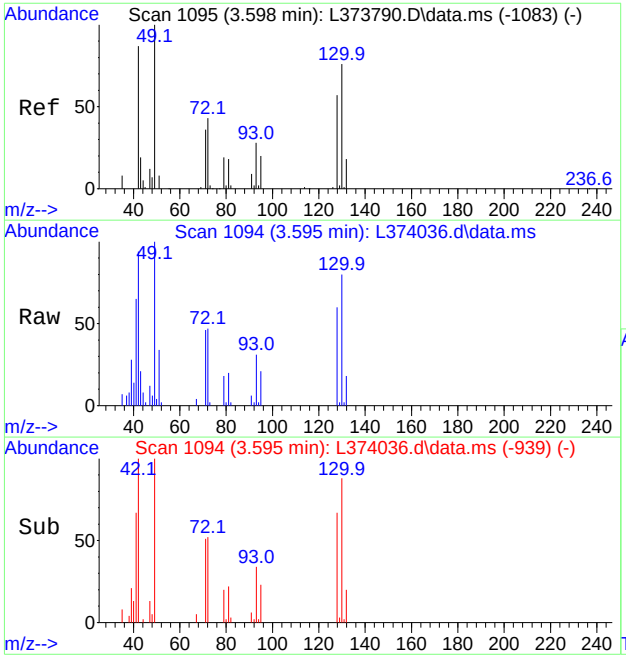


#40
bromochloromethane
Concen: 19.4396 ug/L
RT: 3.582 min Scan# 1090
Delta R.T. -0.007 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion:128 Resp: 19014

Ion	Ratio	Lower	Upper
128	100		
49	168.2	163.3	223.3
130	123.1	100.3	160.3

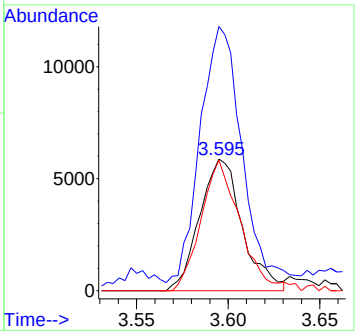


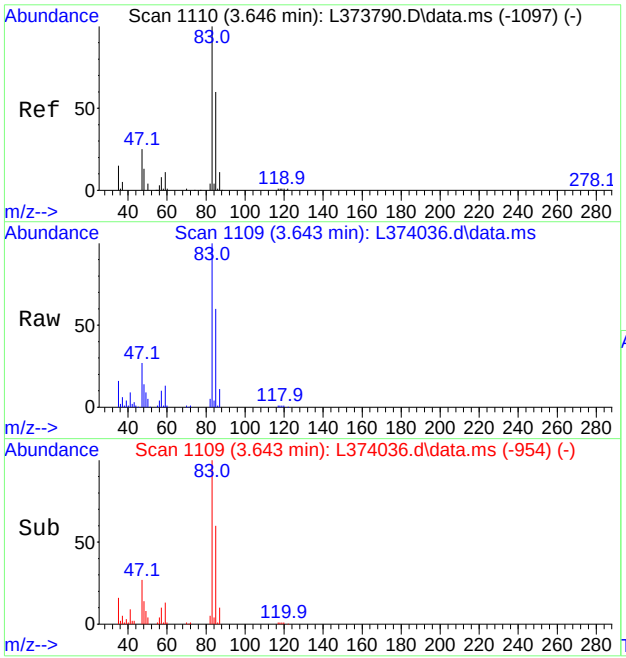


#41
tetrahydrofuran
Concen: 17.4285 ug/L
RT: 3.595 min Scan# 1094
Delta R.T. -0.003 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 72 Resp: 9558

Ion	Ratio	Lower	Upper
72	100		
42	191.9	183.3	243.3
71	99.0	53.5	113.5

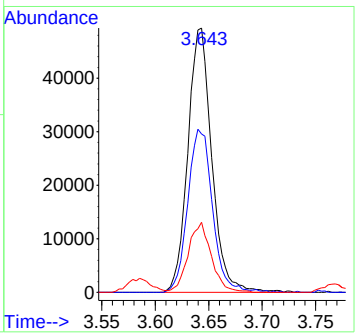


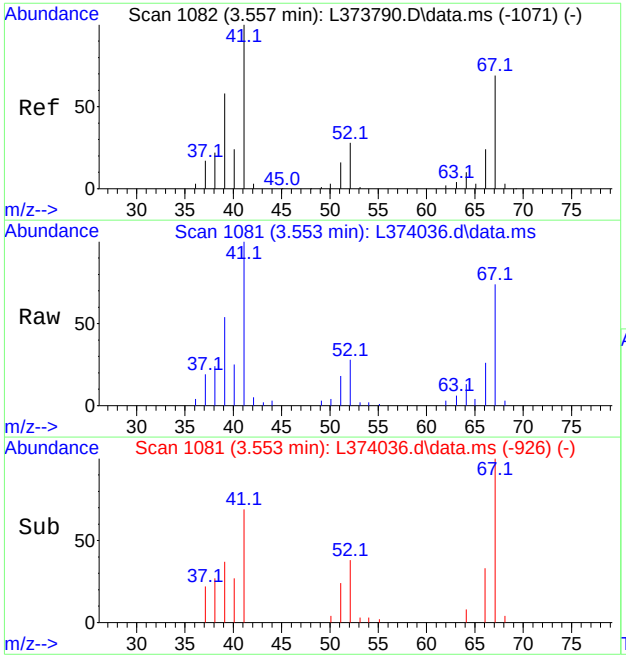


#42
chloroform
Concen: 18.1528 ug/L
RT: 3.643 min Scan# 1109
Delta R.T. -0.003 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 83 Resp: 76921

Ion	Ratio	Lower	Upper
83	100		
85	59.9	29.7	89.7
47	26.6	0.0	54.6

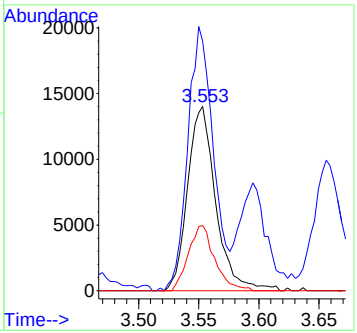


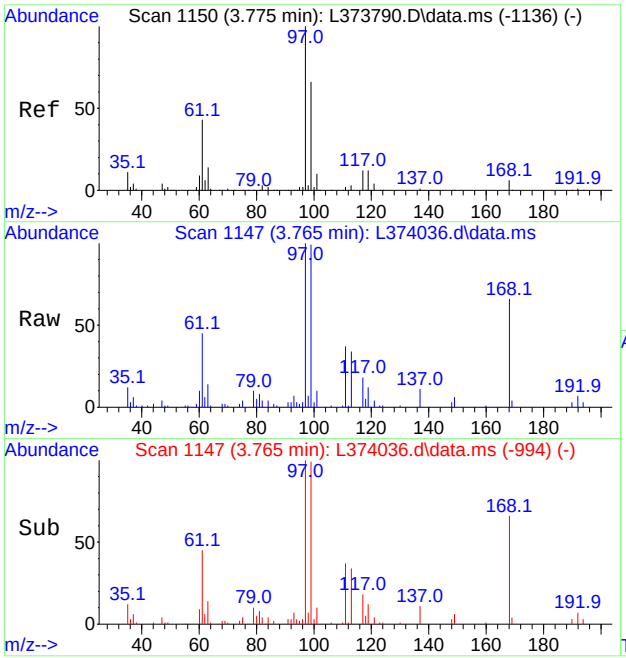


#44
methacrylonitrile
Concen: 17.8903 ug/L
RT: 3.553 min Scan# 1081
Delta R.T. -0.004 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 67 Resp: 22876

Ion	Ratio	Lower	Upper
67	100		
41	133.6	115.3	175.3
66	35.3	4.3	64.3

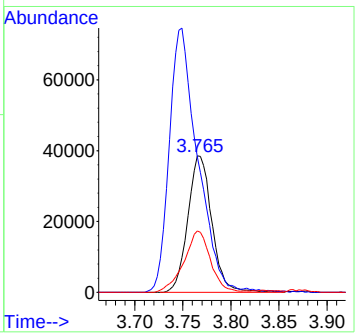


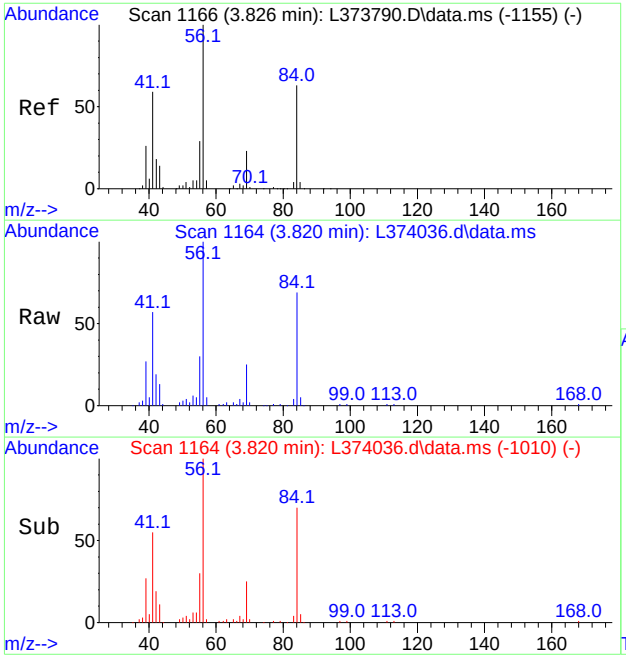


#45
1,1,1-trichloroethane
Concen: 20.0229 ug/L
RT: 3.765 min Scan# 1147
Delta R.T. -0.010 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 97 Resp: 67183

Ion	Ratio	Lower	Upper
97	100		
99	98.2	41.0	101.0
61	44.1	12.9	72.9

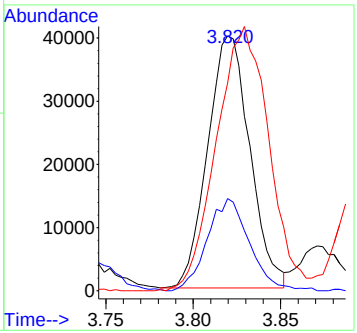


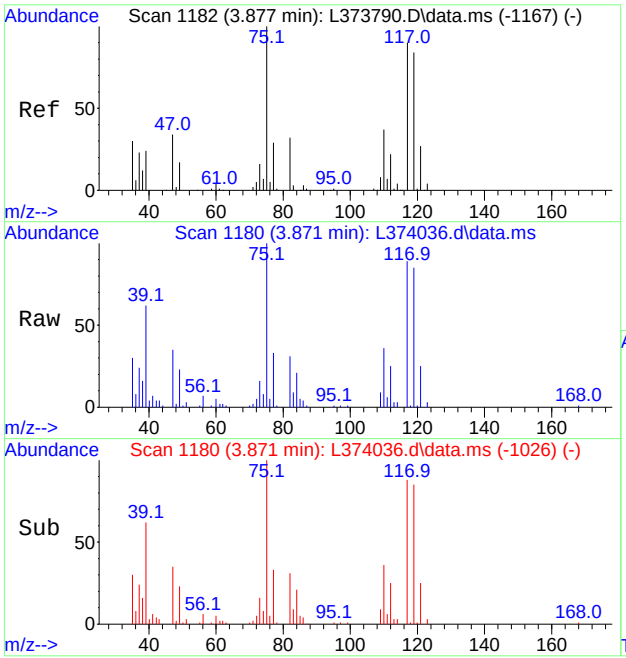


#46
cyclohexane
Concen: 24.1127 ug/L
RT: 3.820 min Scan# 1164
Delta R.T. -0.006 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 84 Resp: 67229

Ion	Ratio	Lower	Upper
84	100		
69	36.0	16.2	56.2
41	82.0	73.6	113.6

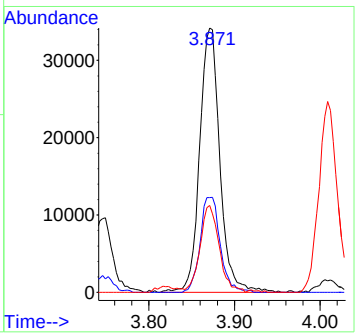


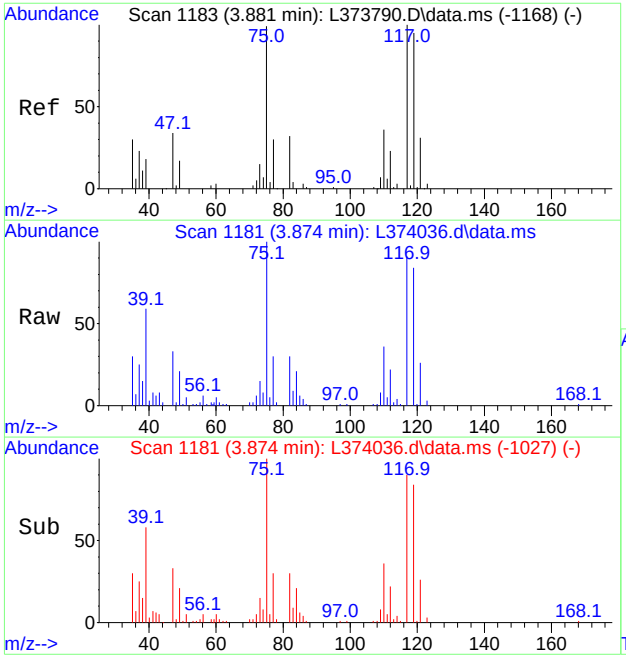


#47
1,1-dichloropropene
Concen: 20.6873 ug/L
RT: 3.871 min Scan# 1180
Delta R.T. -0.006 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 75 Resp: 56291

Ion	Ratio	Lower	Upper
75	100		
110	35.9	17.0	57.0
77	32.8	10.2	50.2

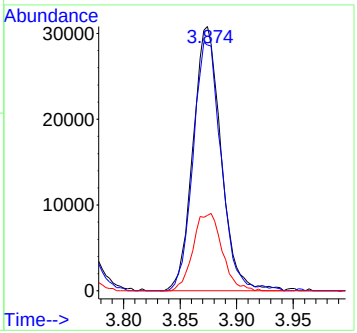


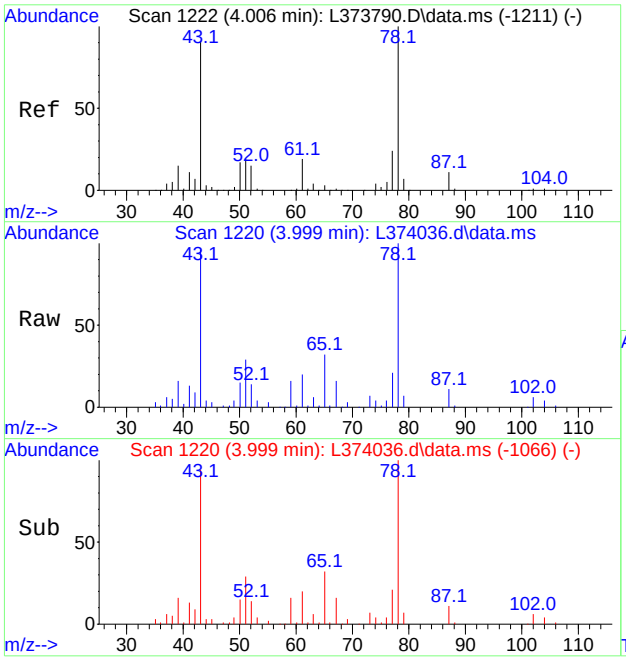


#48
carbon tetrachloride
Concen: 19.3866 ug/L
RT: 3.874 min Scan# 1181
Delta R.T. -0.007 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion:117 Resp: 53023

Ion	Ratio	Lower	Upper
117	100		
119	93.0	74.4	114.4
121	28.5	10.8	50.8

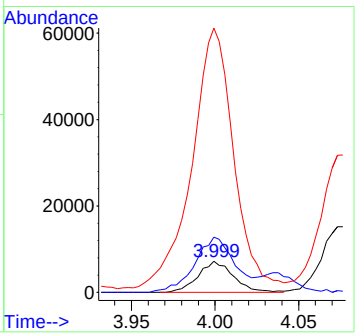


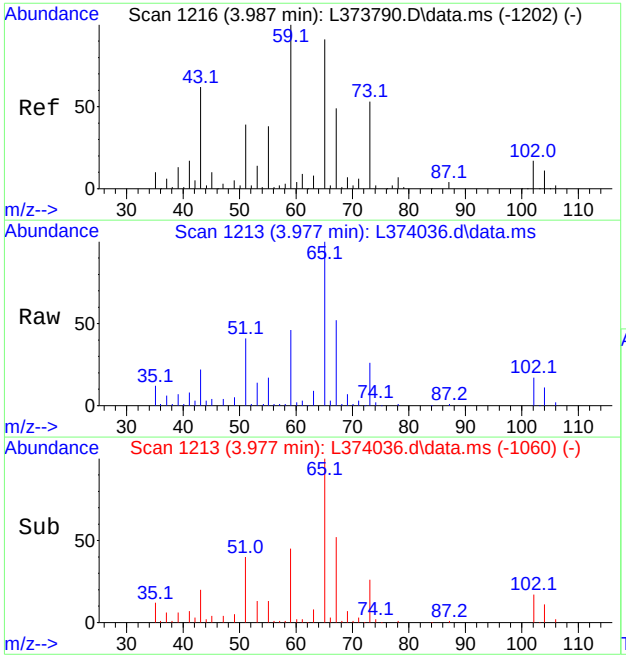


#49
isopropyl acetate
Concen: 17.5274 ug/L
RT: 3.999 min Scan# 1220
Delta R.T. -0.007 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 87 Resp: 10639

Ion	Ratio	Lower	Upper
87	100		
61	169.7	152.1	192.1
43	817.0	844.1	904.1#

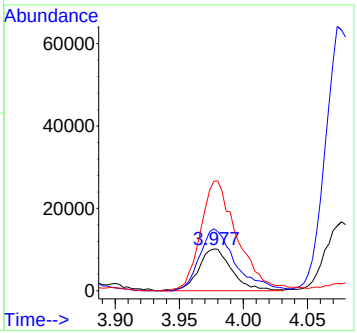


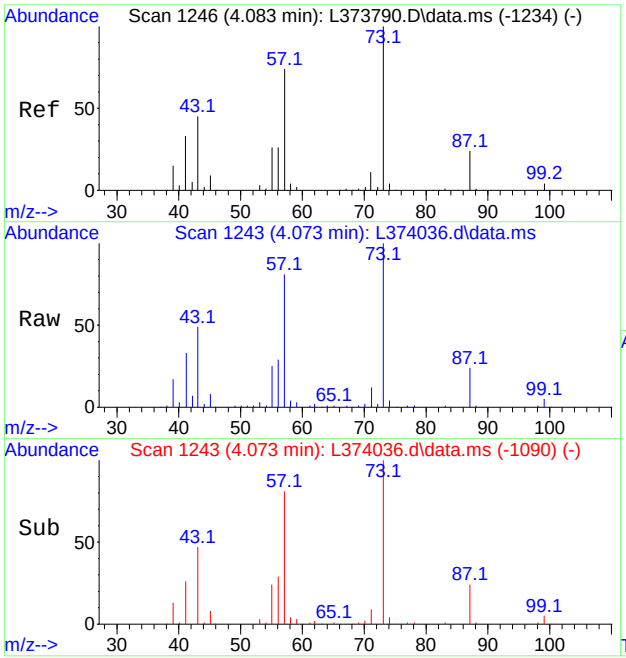


#50
tert amyl alcohol
Concen: 77.4625 ug/L
RT: 3.977 min Scan# 1213
Delta R.T. -0.010 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 55 Resp: 18407

Ion	Ratio	Lower	Upper
55	100		
73	147.9	119.2	159.2
59	261.5	242.0	282.0

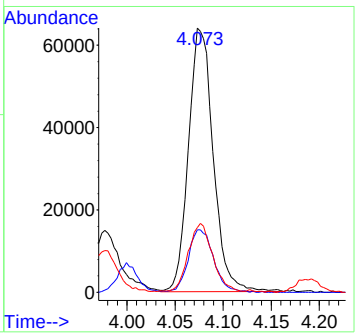


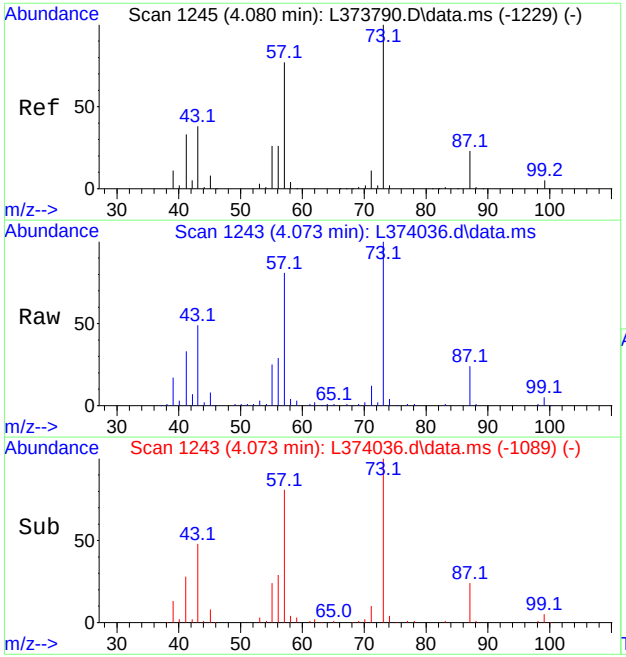


#53
tert-amyl methyl ether
Concen: 19.0790 ug/L
RT: 4.073 min Scan# 1243
Delta R.T. -0.010 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 73 Resp: 115028

Ion	Ratio	Lower	Upper
73	100		
87	23.8	4.6	44.6
55	24.3	5.7	45.7

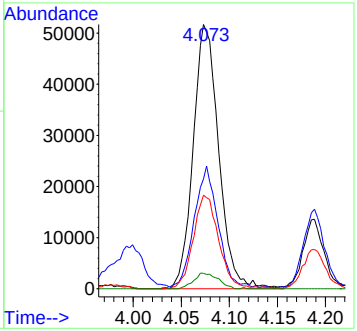


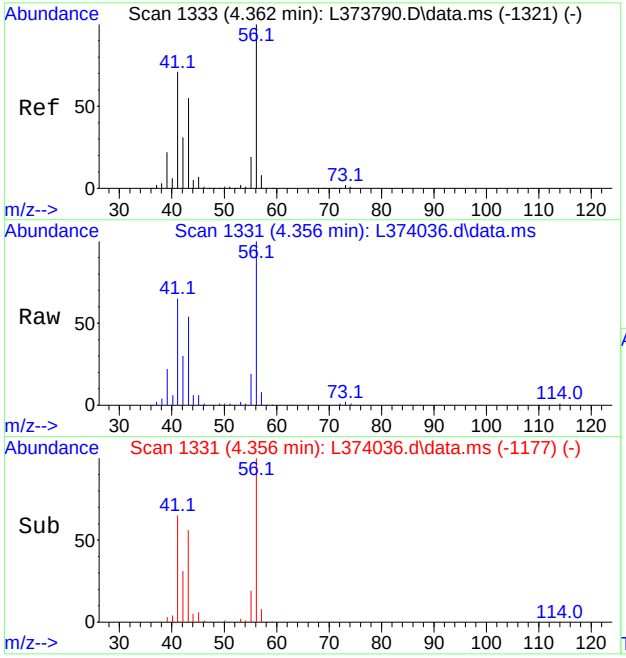


#54
2,2,4-trimethylpentane
Concen: 21.3162 ug/L
RT: 4.073 min Scan# 1243
Delta R.T. -0.007 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 57 Resp: 95647

Ion	Ratio	Lower	Upper
57	100		
41	40.8	25.1	65.1
56	35.5	13.8	53.8
99	5.8	0.0	25.9

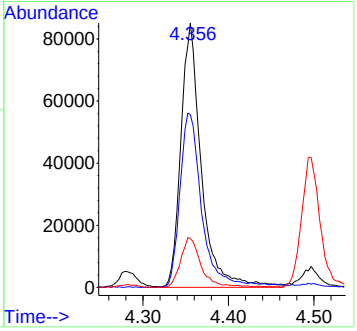


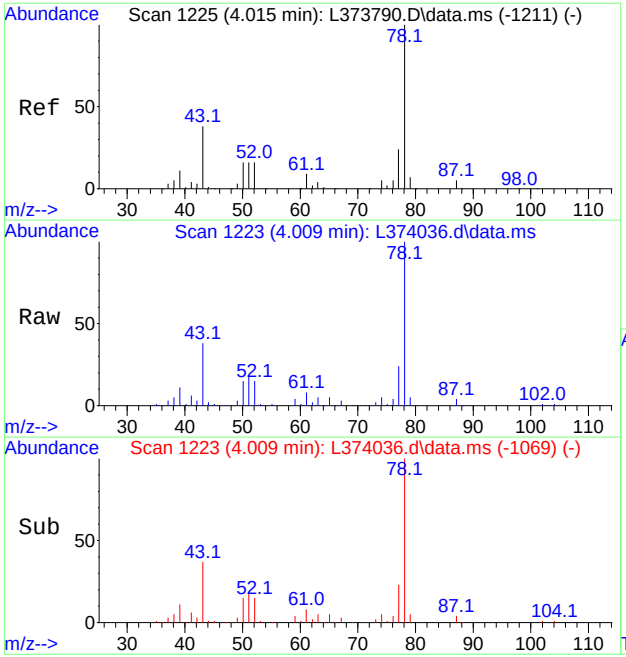


#55
n-butyl alcohol
Concen: 802.1570 ug/L
RT: 4.356 min Scan# 1331
Delta R.T. -0.006 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 56 Resp: 142138

Ion	Ratio	Lower	Upper
56	100		
41	65.0	40.6	100.6
55	18.6	0.0	49.1

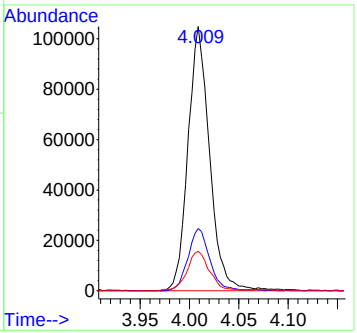


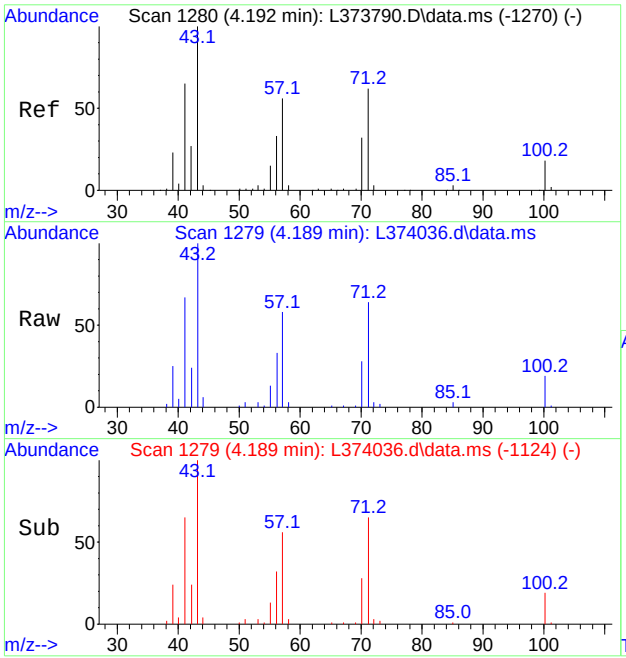


#56
benzene
Concen: 19.8137 ug/L
RT: 4.009 min Scan# 1223
Delta R.T. -0.006 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 78 Resp: 159695

Ion	Ratio	Lower	Upper
78	100		
77	23.5	0.0	53.5
52	15.0	0.0	46.2

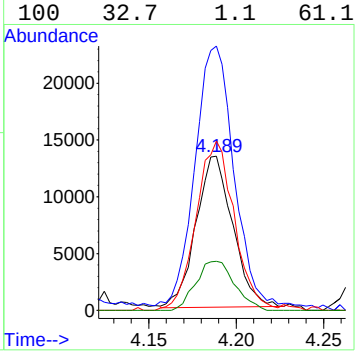


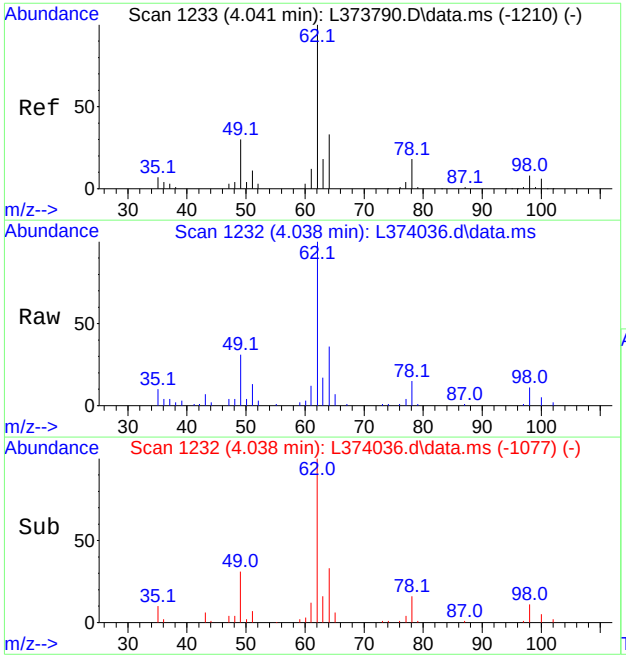


#57
heptane
Concen: 20.4651 ug/L
RT: 4.189 min Scan# 1279
Delta R.T. -0.003 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 57 Resp: 19467

Ion	Ratio	Lower	Upper
57	100		
43	171.4	146.8	206.8
71	111.0	78.5	138.5
100	32.7	1.1	61.1

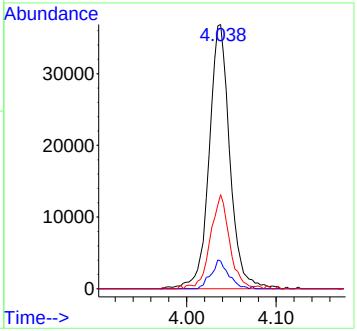


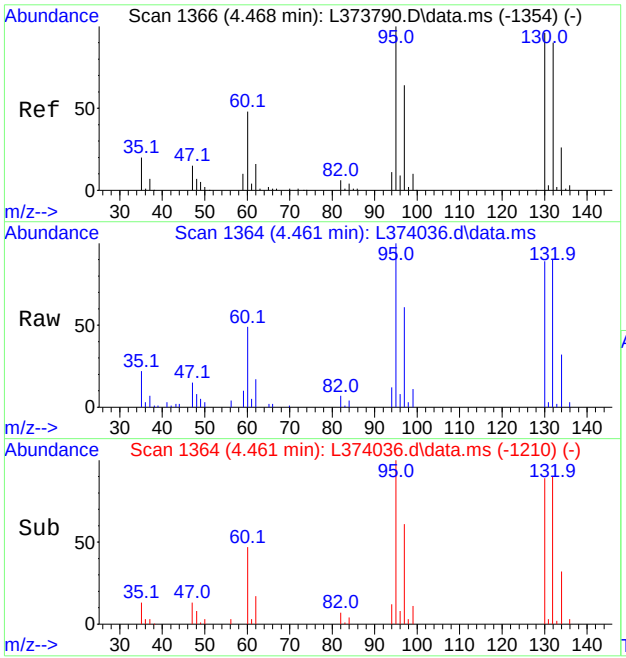


#58
1,2-dichloroethane
Concen: 19.3358 ug/L
RT: 4.038 min Scan# 1232
Delta R.T. -0.003 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 62 Resp: 59323

Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	38.1
64	35.6	2.8	62.8

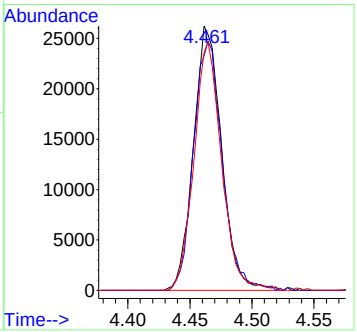


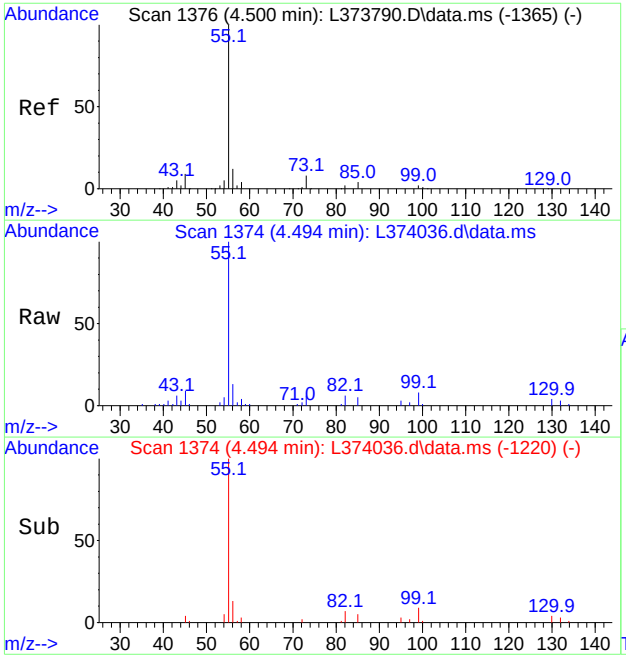


#59
trichloroethene
Concen: 20.3901 ug/L
RT: 4.461 min Scan# 1364
Delta R.T. -0.007 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 95 Resp: 41376

Ion	Ratio	Lower	Upper
95	100		
130	88.7	65.5	125.5
132	89.9	59.7	119.7

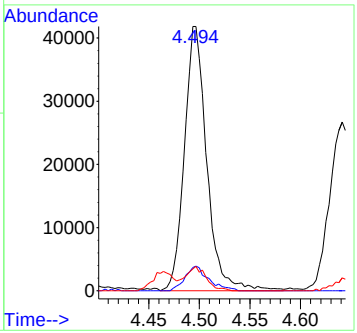


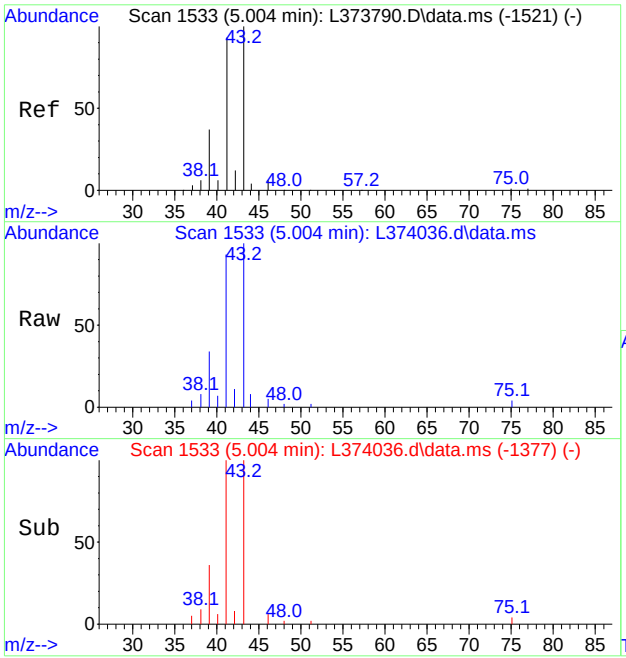


#60
ethyl acrylate
Concen: 17.7177 ug/L
RT: 4.494 min Scan# 1374
Delta R.T. -0.006 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 55 Resp: 64345

Ion	Ratio	Lower	Upper
55	100		
45	8.8	0.0	28.6
99	8.3	0.0	27.8

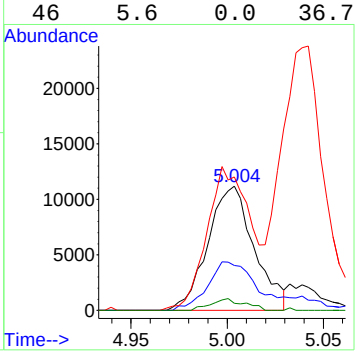


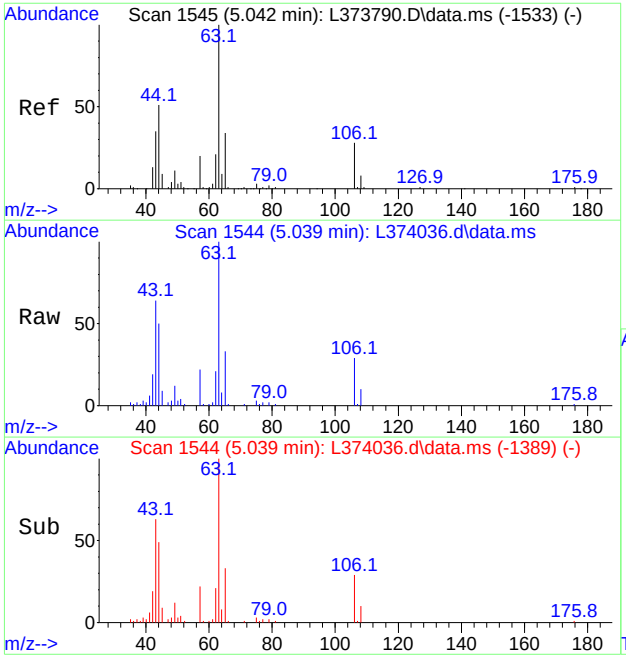


#61
2-nitropropane
Concen: 17.3999 ug/L
RT: 5.004 min Scan# 1533
Delta R.T. -0.000 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 41 Resp: 18750

Ion	Ratio	Lower	Upper
41	100		
39	36.1	10.0	70.0
43	107.6	77.9	137.9
46	5.6	0.0	36.7

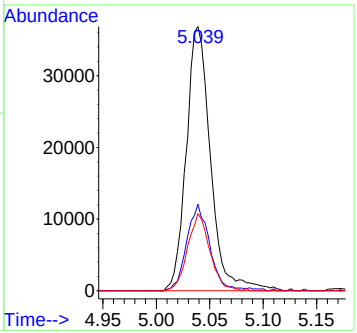


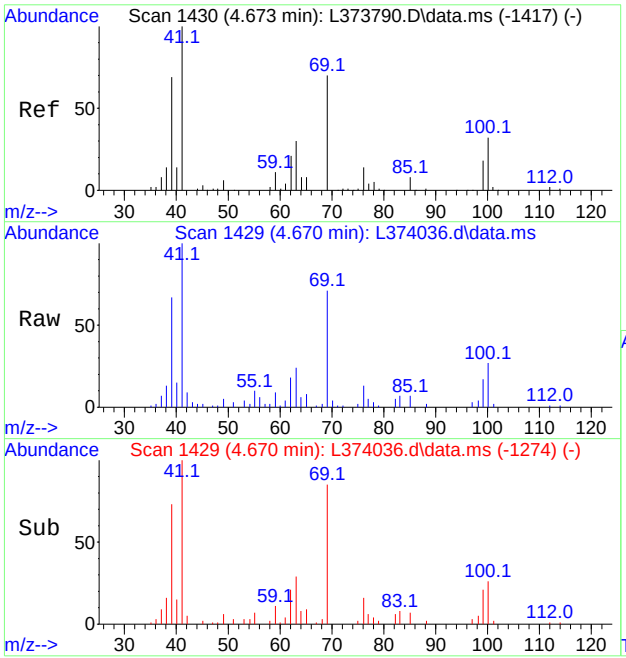


#62
2-chloroethyl vinyl ether
Concen: 83.5571 ug/L
RT: 5.039 min Scan# 1544
Delta R.T. -0.003 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 63 Resp: 58305

Ion	Ratio	Lower	Upper
63	100		
65	32.8	3.9	63.9
106	29.2	0.0	57.6

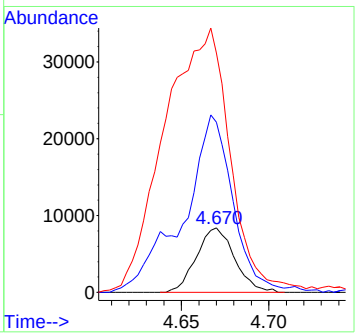


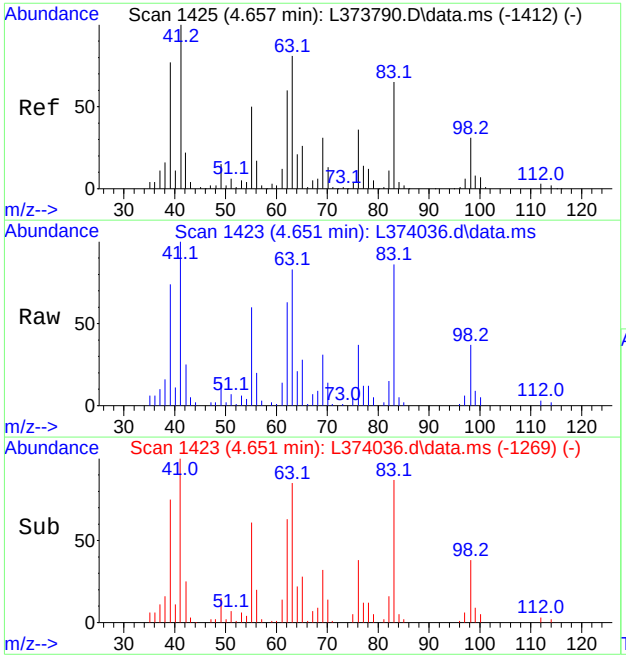


#63
methyl methacrylate
Concen: 18.9899 ug/L
RT: 4.670 min Scan# 1429
Delta R.T. -0.003 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion:100 Resp: 12774

Ion	Ratio	Lower	Upper
100	100		
69	257.1	221.2	281.2
41	356.2	360.4	420.4#

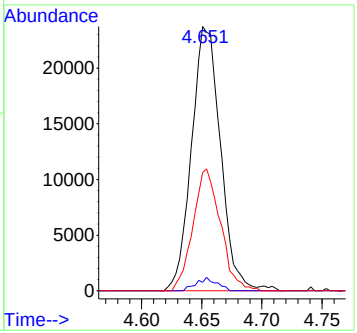


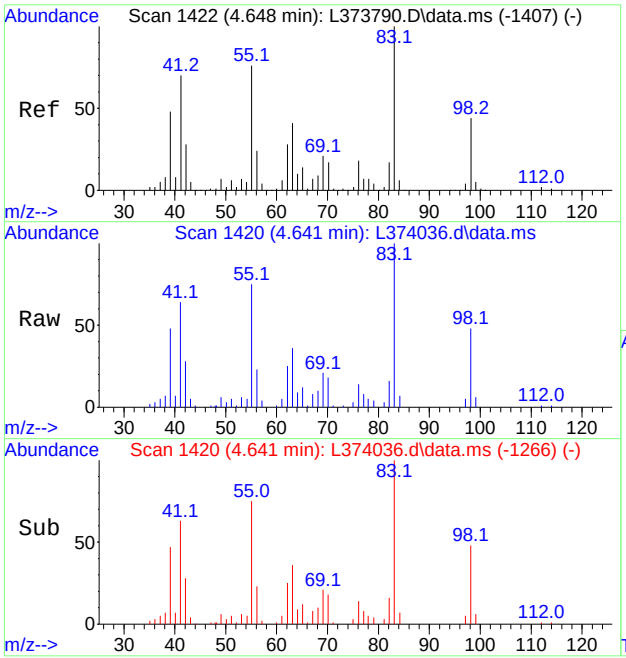


#64
1,2-dichloropropane
Concen: 19.3916 ug/L
RT: 4.651 min Scan# 1423
Delta R.T. -0.006 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 63 Resp: 39895

Ion	Ratio	Lower	Upper
63	100		
112	3.3	0.0	34.1
76	44.7	14.3	74.3

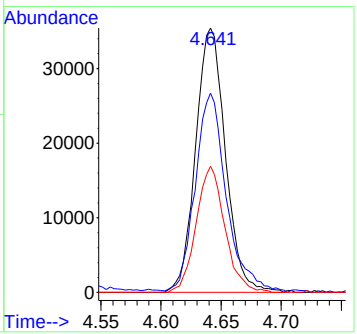


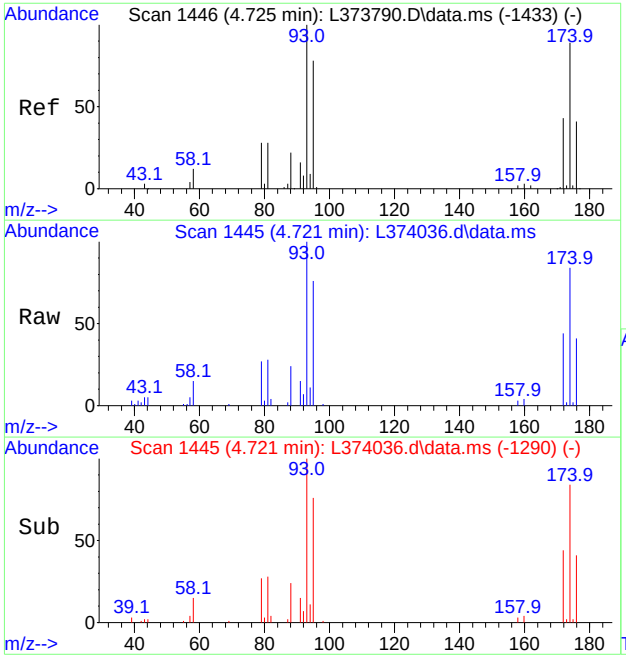


#65
methylcyclohexane
Concen: 21.9688 ug/L
RT: 4.641 min Scan# 1420
Delta R.T. -0.007 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 83 Resp: 61111

Ion	Ratio	Lower	Upper
83	100		
55	74.5	46.3	106.3
98	47.7	13.7	73.7

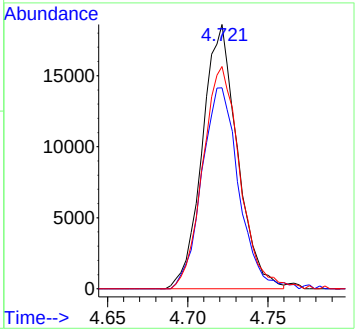


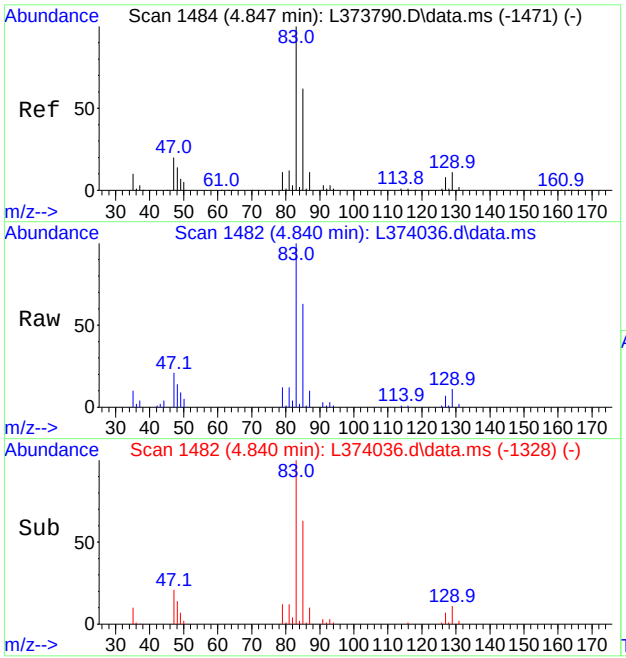


#66
dibromomethane
Concen: 20.0138 ug/L
RT: 4.721 min Scan# 1445
Delta R.T. -0.004 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 93 Resp: 28368

Ion	Ratio	Lower	Upper
93	100		
95	76.0	48.3	108.3
174	84.1	59.2	119.2

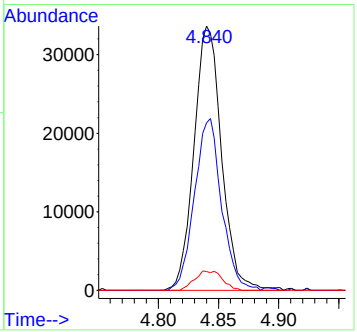


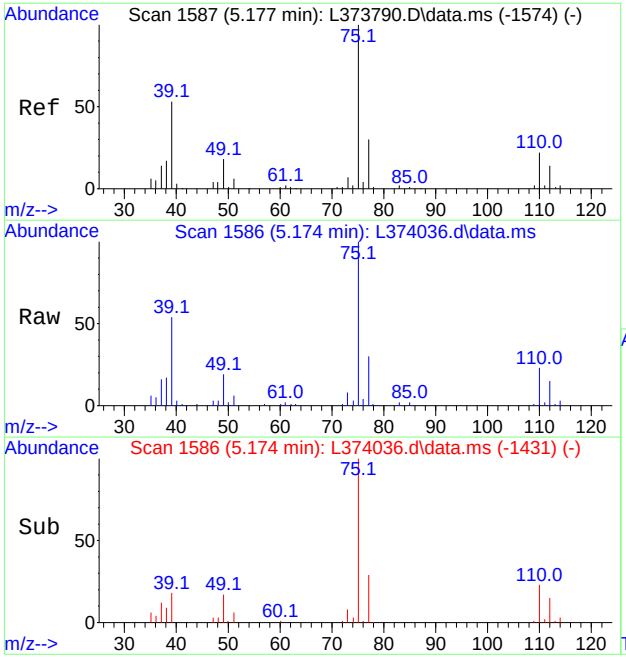


#67
bromodichloromethane
Concen: 18.3435 ug/L
RT: 4.840 min Scan# 1482
Delta R.T. -0.007 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 83 Resp: 53857

Ion	Ratio	Lower	Upper
83	100		
85	63.4	31.5	91.5
127	7.1	0.0	38.3

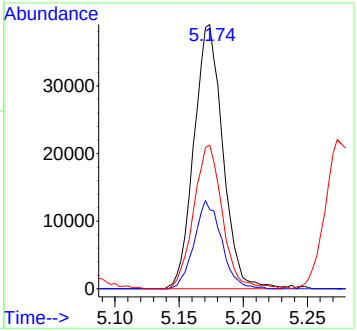


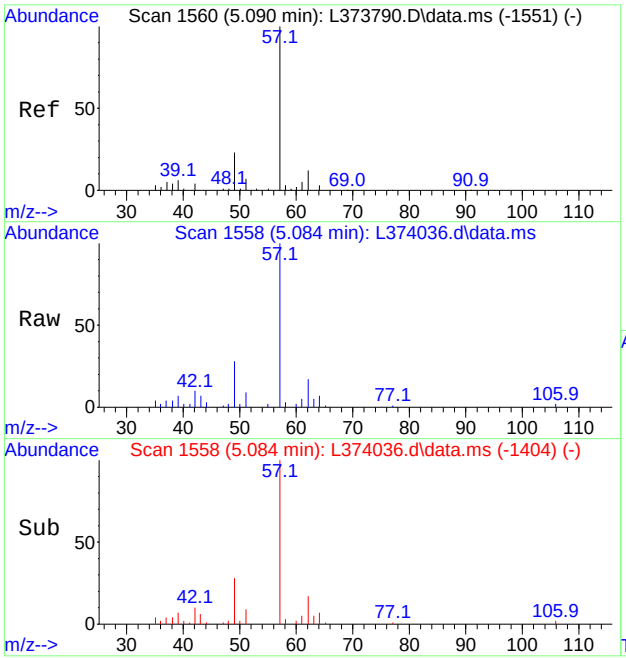


#68
cis-1,3-dichloropropene
Concen: 18.6146 ug/L
RT: 5.174 min Scan# 1586
Delta R.T. -0.003 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 75 Resp: 61264

Ion	Ratio	Lower	Upper
75	100		
77	29.9	0.1	60.1
39	54.4	23.1	83.1

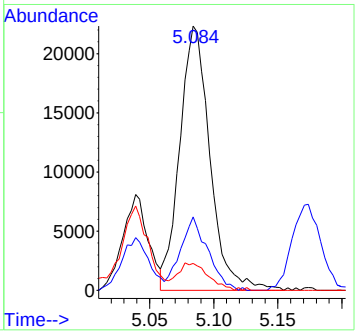


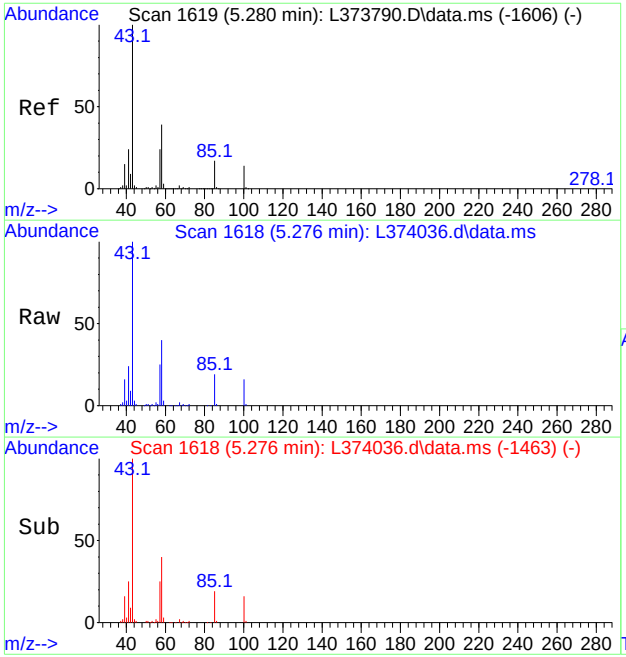


#69
epichlorohydrin
Concen: 87.4871 ug/L
RT: 5.084 min Scan# 1558
Delta R.T. -0.006 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 57 Resp: 36705

Ion	Ratio	Lower	Upper
57	100		
49	23.0	1.0	41.0
42	10.2	0.0	29.5

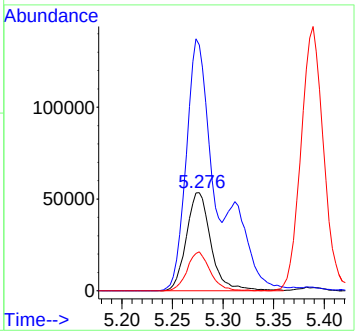


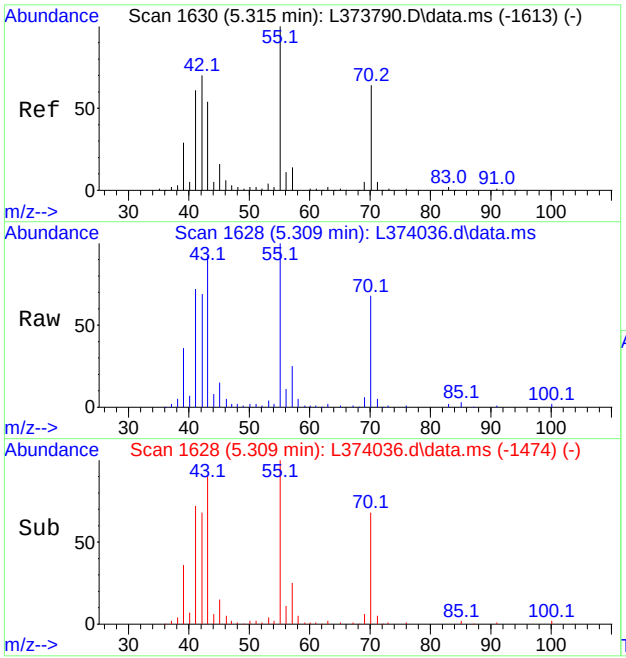


#70
4-methyl-2-pentanone
Concen: 70.1365 ug/L
RT: 5.276 min Scan# 1618
Delta R.T. -0.004 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 58 Resp: 90716

Ion	Ratio	Lower	Upper
58	100		
43	250.2	233.3	273.3
100	39.8	15.2	55.2

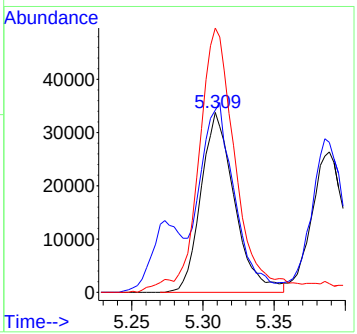


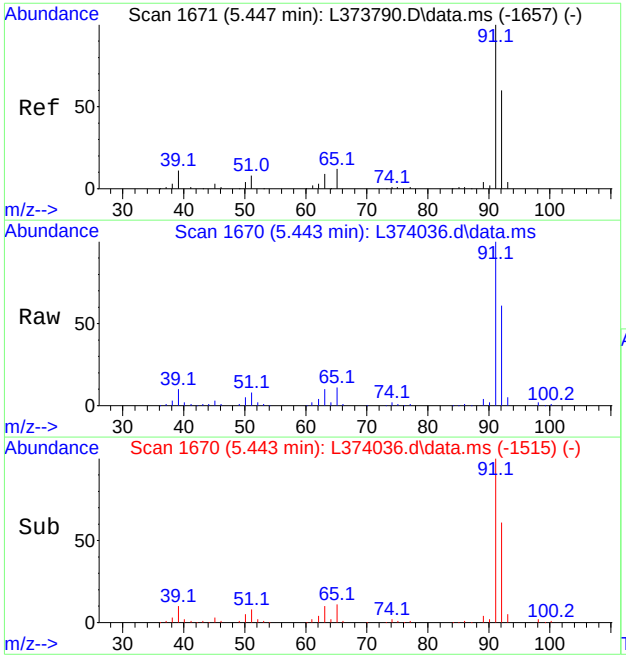


#71
3-methyl-1-butanol
Concen: 334.9609 ug/L
RT: 5.309 min Scan# 1628
Delta R.T. -0.006 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 70 Resp: 55457

Ion	Ratio	Lower	Upper
70	100		
42	95.9	94.2	134.2
55	141.5	137.5	177.5

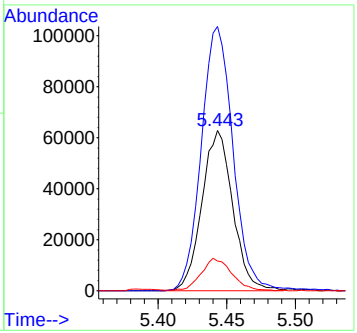


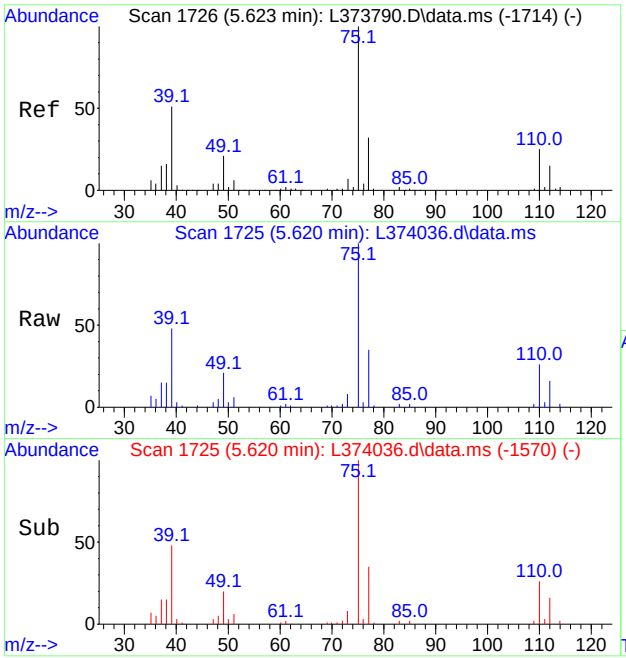


#74
toluene
Concen: 20.1229 ug/L
RT: 5.443 min Scan# 1670
Delta R.T. -0.004 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 92 Resp: 98327

Ion	Ratio	Lower	Upper
92	100		
91	165.0	136.7	196.7
65	18.2	0.0	50.8

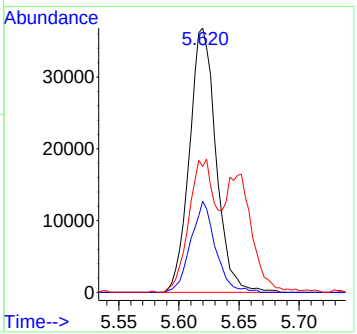


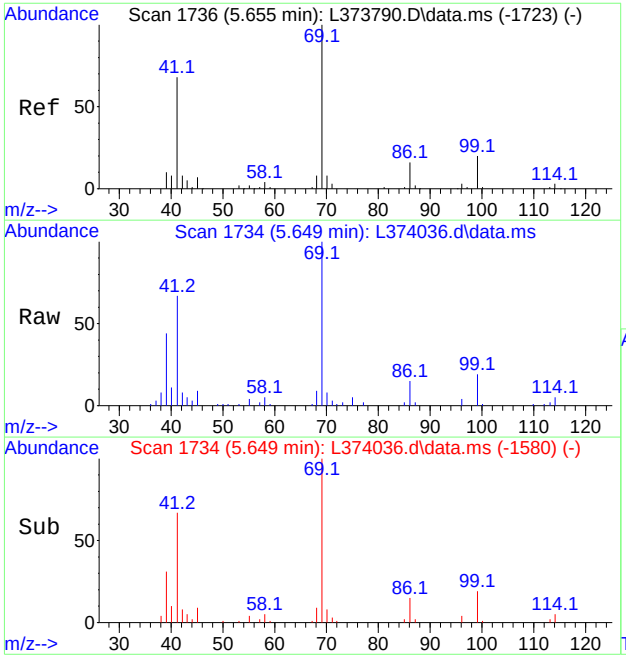


#75
trans-1,3-dichloropropene
Concen: 18.6126 ug/L
RT: 5.620 min Scan# 1725
Delta R.T. -0.003 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 75 Resp: 56705

Ion	Ratio	Lower	Upper
75	100		
77	34.5	1.7	61.7
39	47.6	20.7	80.7

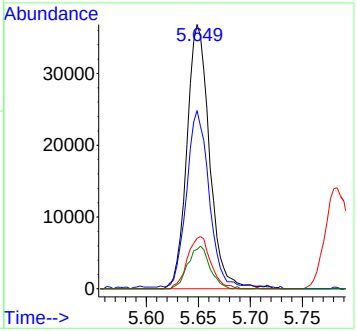


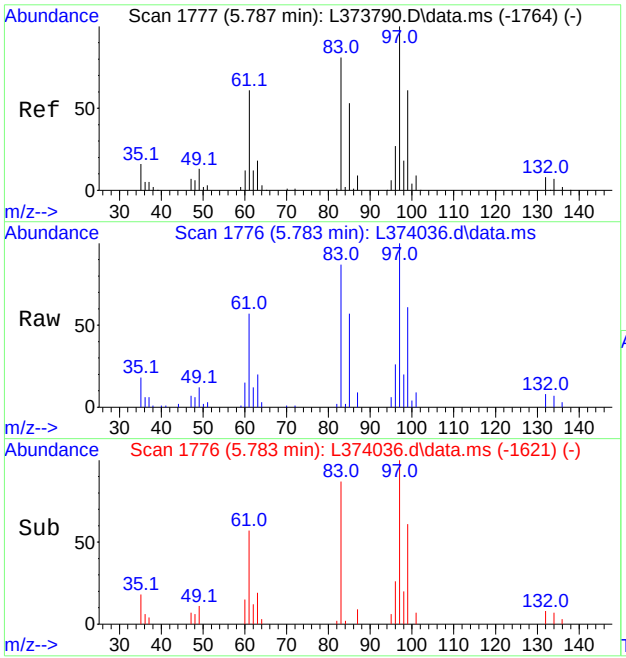


#76
ethyl methacrylate
Concen: 18.1278 ug/L
RT: 5.649 min Scan# 1734
Delta R.T. -0.006 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 69 Resp: 55802

Ion	Ratio	Lower	Upper
69	100		
41	67.5	38.9	98.9
99	19.1	0.0	50.4
86	14.9	0.0	45.9

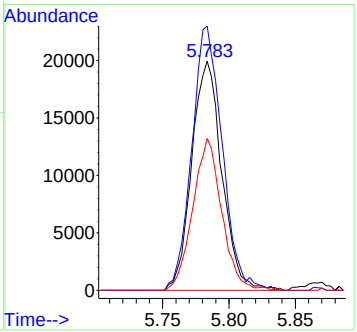


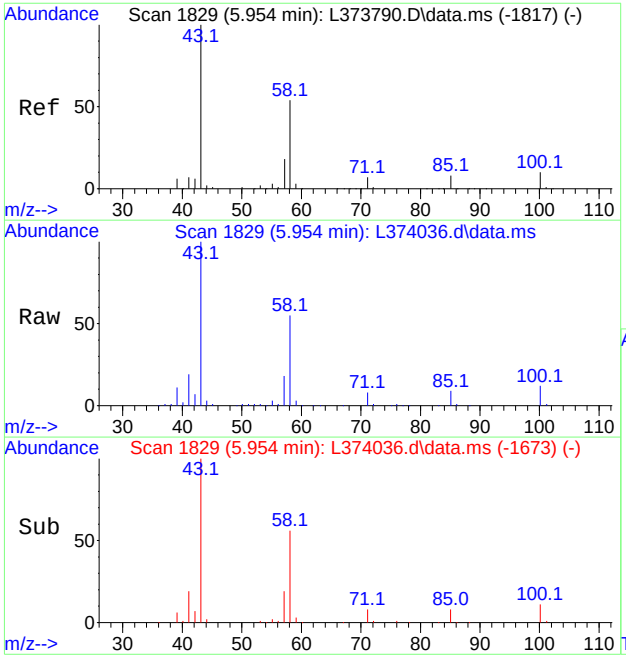


#77
1,1,2-trichloroethane
Concen: 19.4771 ug/L
RT: 5.783 min Scan# 1776
Delta R.T. -0.004 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 83 Resp: 31554

Ion	Ratio	Lower	Upper
83	100		
97	115.3	93.6	153.6
85	66.2	35.4	95.4

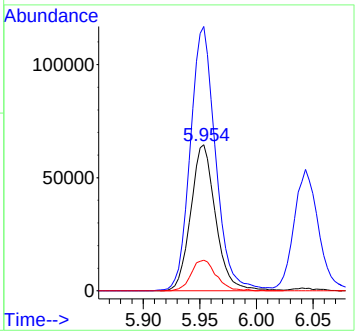


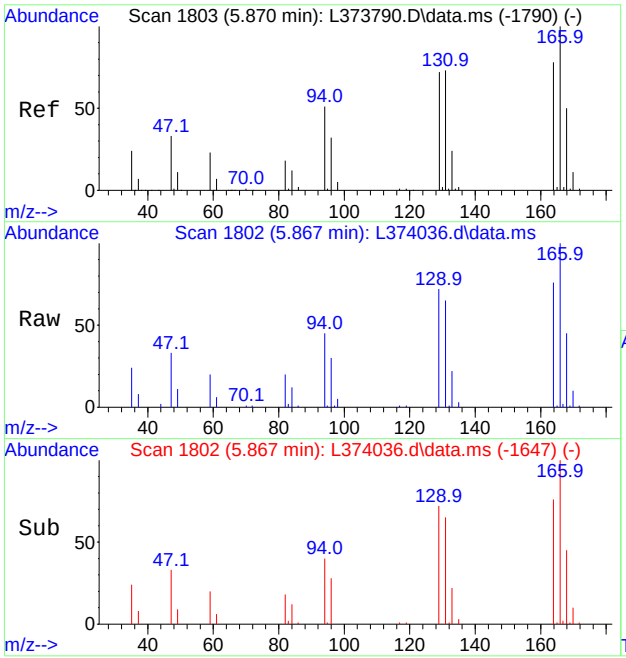


#78
2-hexanone
Concen: 71.0621 ug/L
RT: 5.954 min Scan# 1829
Delta R.T. -0.000 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 58 Resp: 98676

Ion	Ratio	Lower	Upper
58	100		
43	180.5	154.6	214.6
100	21.0	0.0	49.0

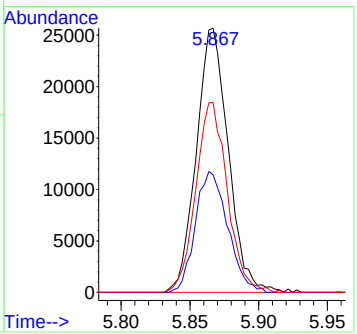


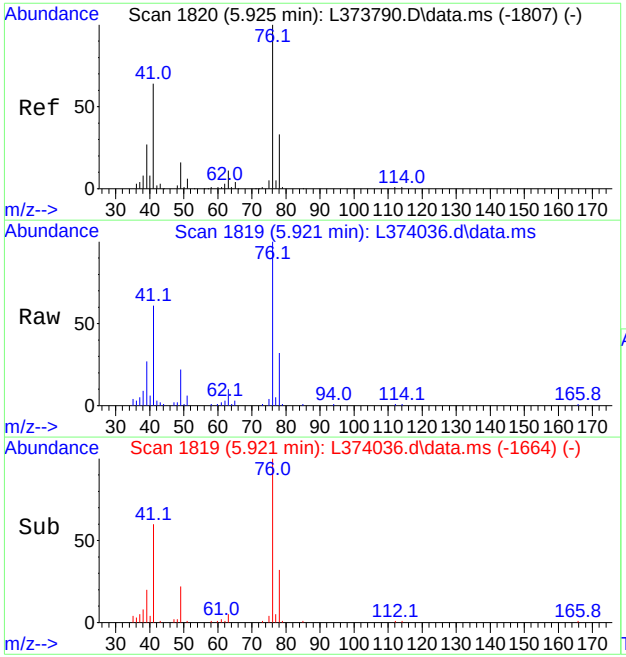


#79
tetrachloroethene
Concen: 21.1729 ug/L
RT: 5.867 min Scan# 1802
Delta R.T. -0.003 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion:166 Resp: 41556

Ion	Ratio	Lower	Upper
166	100		
168	44.5	19.7	79.7
129	72.0	42.4	102.4

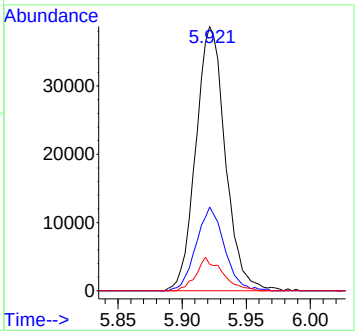


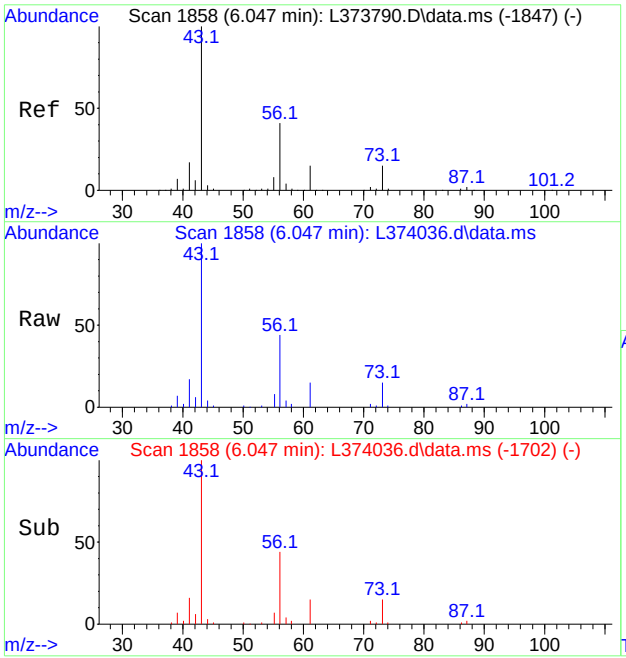


#80
1,3-dichloropropane
Concen: 19.8383 ug/L
RT: 5.921 min Scan# 1819
Delta R.T. -0.004 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 76 Resp: 61939

Ion	Ratio	Lower	Upper
76	100		
78	31.8	2.7	62.7
63	10.0	0.0	41.2

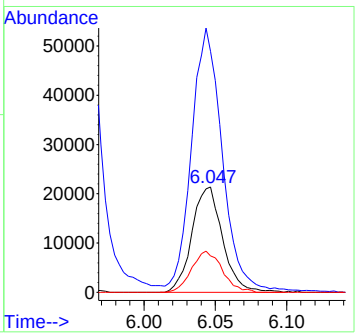


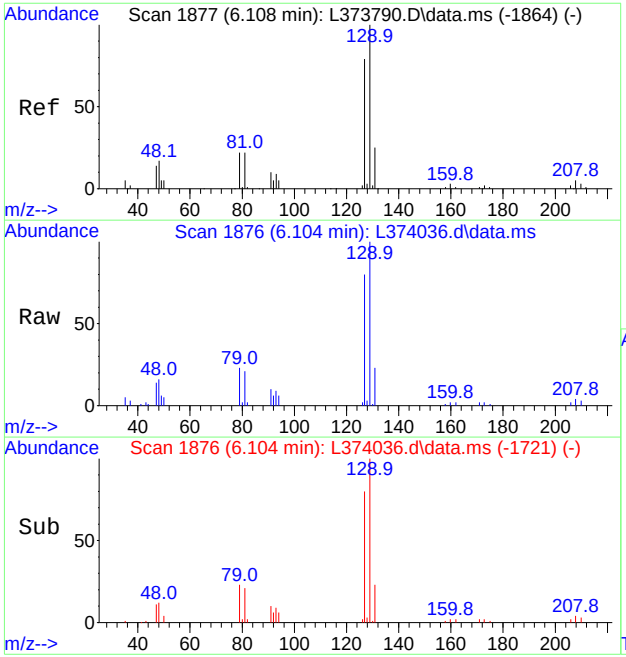


#81
butyl acetate
Concen: 17.5384 ug/L
RT: 6.047 min Scan# 1858
Delta R.T. -0.000 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 56 Resp: 32091

Ion	Ratio	Lower	Upper
56	100		
43	225.6	218.3	278.3
73	34.6	7.2	67.2

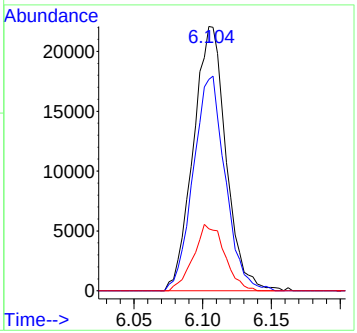


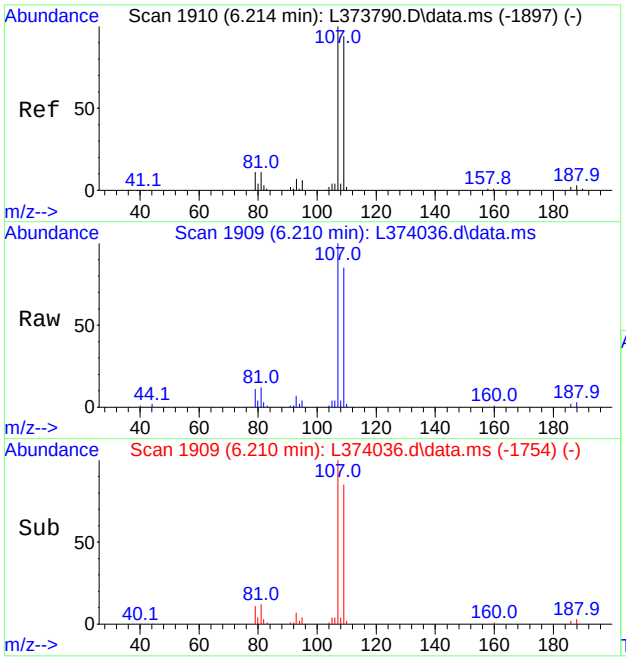


#82
dibromochloromethane
Concen: 17.5174 ug/L
RT: 6.104 min Scan# 1876
Delta R.T. -0.004 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion:129 Resp: 36603

Ion	Ratio	Lower	Upper
129	100		
127	79.9	49.0	109.0
131	23.4	0.0	54.6

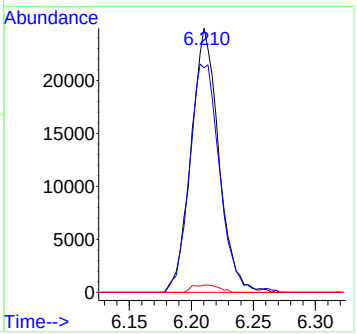


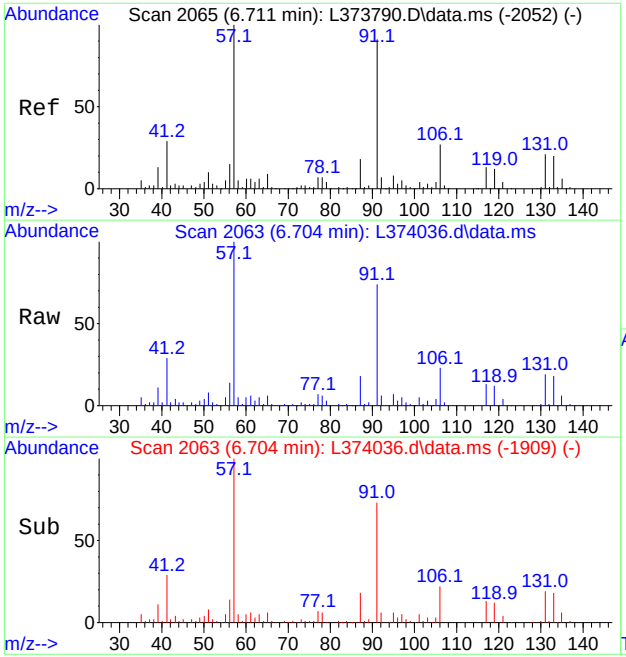


#83
1,2-dibromoethane
Concen: 19.6662 ug/L
RT: 6.210 min Scan# 1909
Delta R.T. -0.004 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion:107 Resp: 38709

Ion	Ratio	Lower	Upper
107	100		
109	84.9	63.9	123.9
188	2.8	0.0	33.4

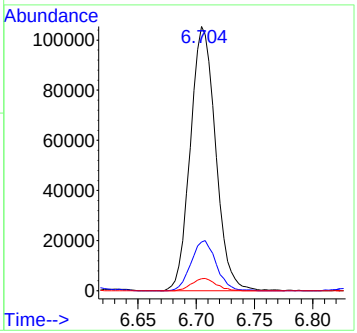


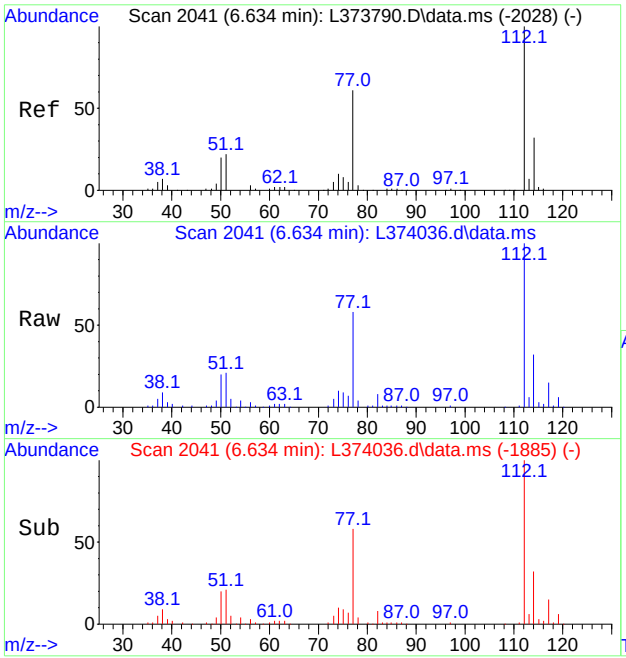


#84
n-butyl ether
Concen: 19.3190 ug/L
RT: 6.704 min Scan# 2063
Delta R.T. -0.007 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 57 Resp: 158905

Ion	Ratio	Lower	Upper
57	100		
87	18.5	0.0	47.8
101	4.5	0.0	34.2

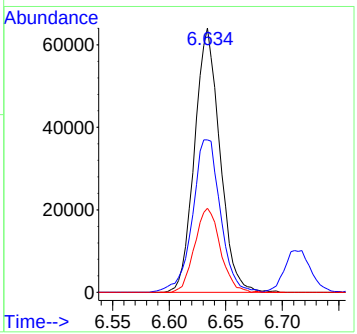


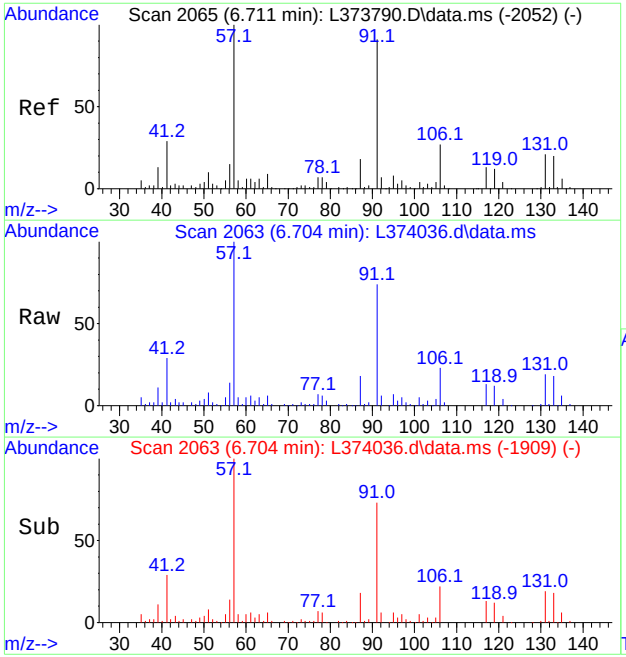


#85
chlorobenzene
Concen: 19.4596 ug/L
RT: 6.634 min Scan# 2041
Delta R.T. -0.000 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion:112 Resp: 99837

Ion	Ratio	Lower	Upper
112	100		
77	56.7	30.8	90.8
114	31.9	2.4	62.4

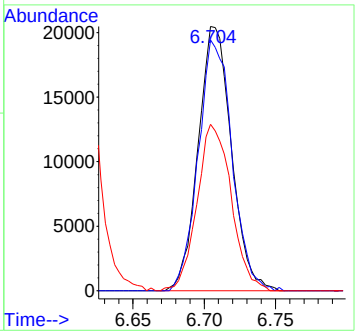


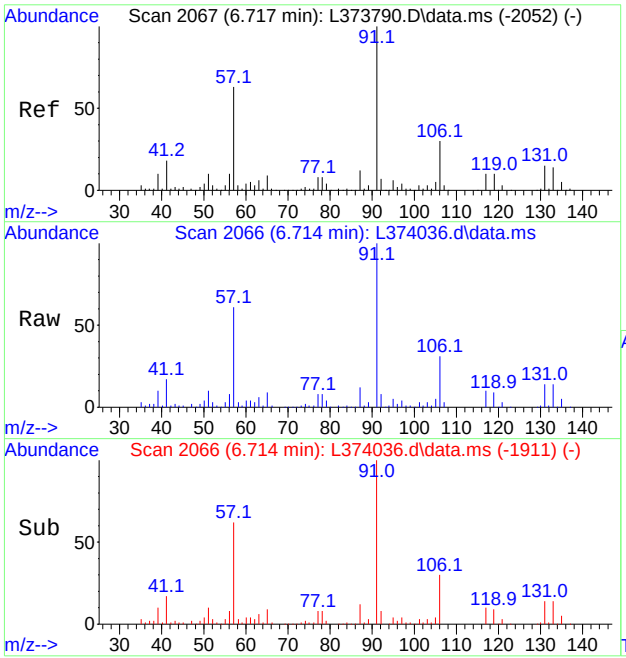


#86
1,1,1,2-tetrachloroethane
Concen: 19.1595 ug/L
RT: 6.704 min Scan# 2063
Delta R.T. -0.007 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion:131 Resp: 33264

Ion	Ratio	Lower	Upper
131	100		
133	94.9	65.1	125.1
119	62.9	30.8	90.8

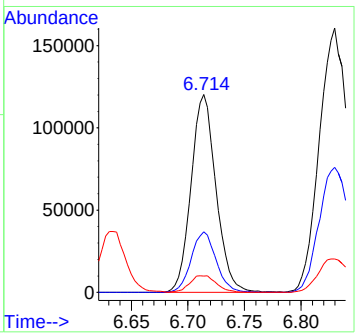


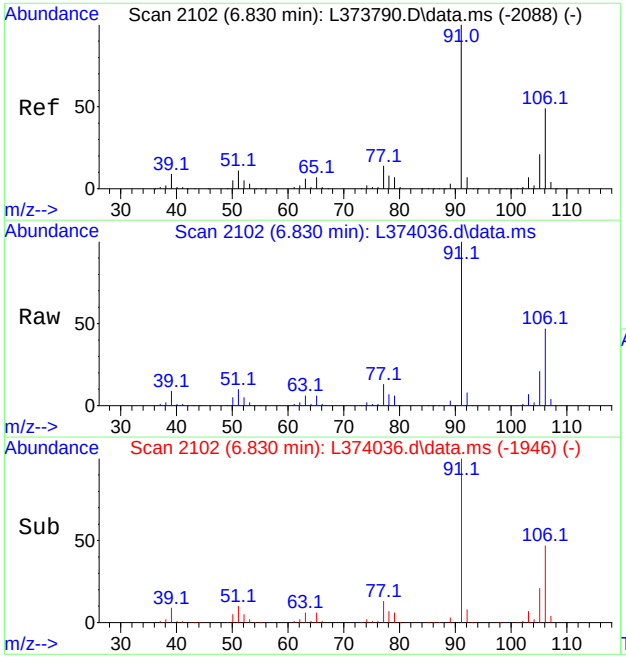


#87
ethylbenzene
Concen: 20.5842 ug/L
RT: 6.714 min Scan# 2066
Delta R.T. -0.003 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 91 Resp: 184252

Ion	Ratio	Lower	Upper
91	100		
106	30.7	0.1	60.1
77	8.2	0.0	38.6

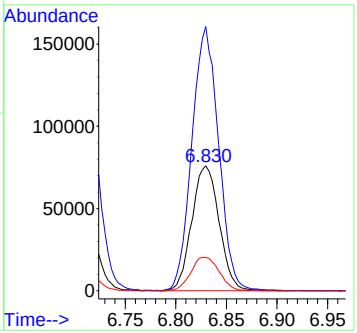


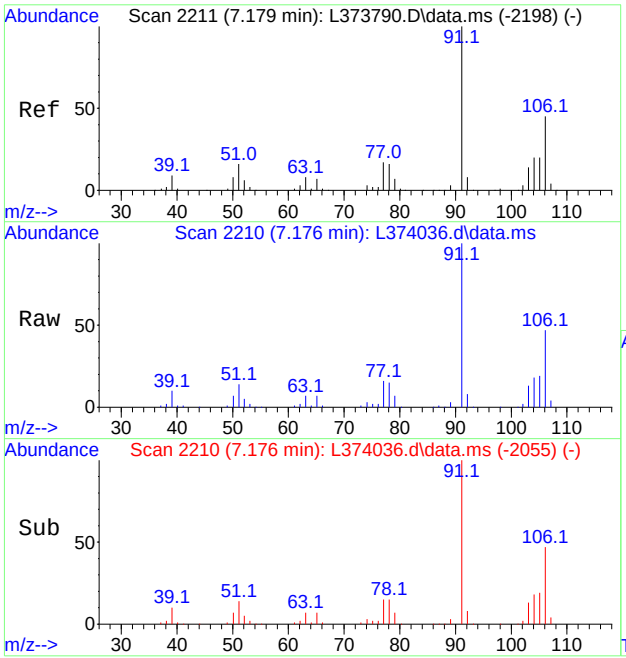


#88
m,p-xylene
Concen: 41.4990 ug/L
RT: 6.830 min Scan# 2102
Delta R.T. -0.000 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion:106 Resp: 143058

Ion	Ratio	Lower	Upper
106	100		
91	211.3	175.7	235.7
77	26.7	8.1	48.1

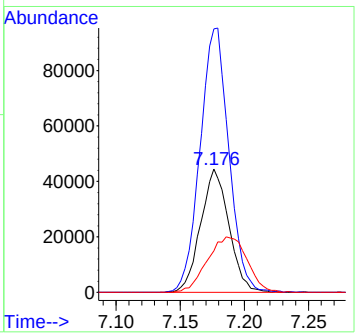


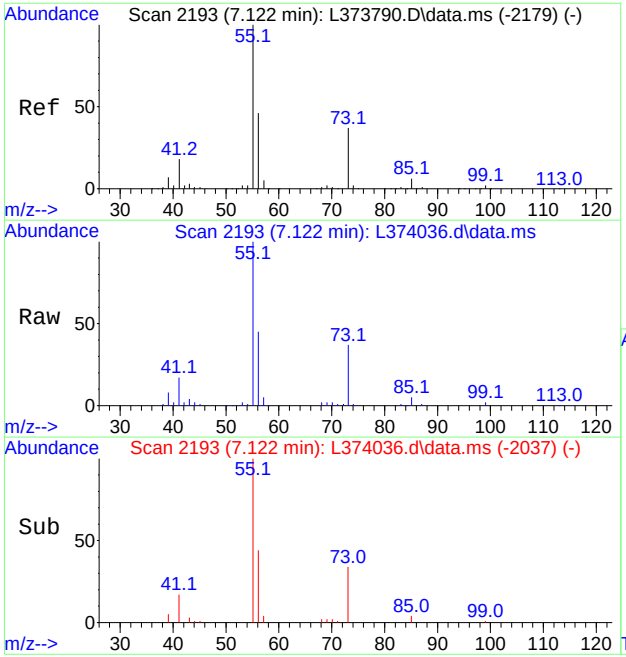


#89
o-xylene
Concen: 20.3064 ug/L
RT: 7.176 min Scan# 2210
Delta R.T. -0.003 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion:106 Resp: 68448

Ion	Ratio	Lower	Upper
106	100		
91	213.5	194.5	254.5
77	33.6	18.1	58.1

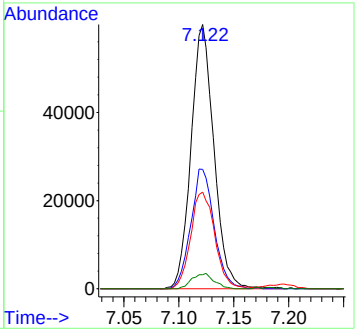


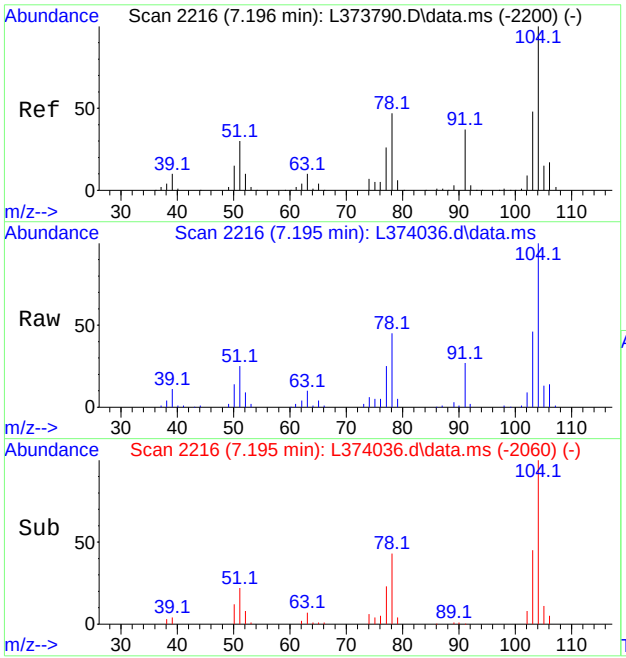


#90
butyl acrylate
Concen: 17.6279 ug/L
RT: 7.122 min Scan# 2193
Delta R.T. -0.000 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 55 Resp: 86915

Ion	Ratio	Lower	Upper
55	100		
56	45.2	26.3	66.3
73	36.6	17.5	57.5
85	5.4	0.0	25.6

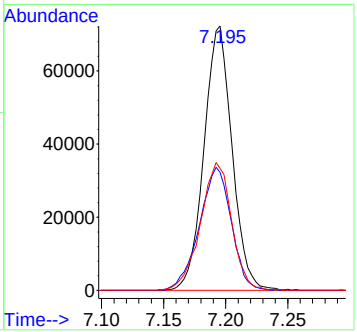


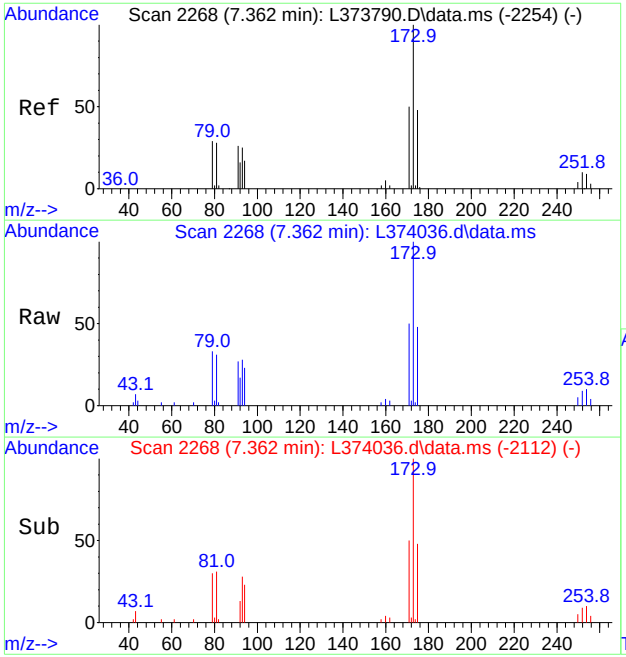


#91
styrene
Concen: 20.1391 ug/L
RT: 7.195 min Scan# 2216
Delta R.T. -0.001 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion:104 Resp: 113824

Ion	Ratio	Lower	Upper
104	100		
78	44.3	16.8	76.8
103	46.1	17.7	77.7

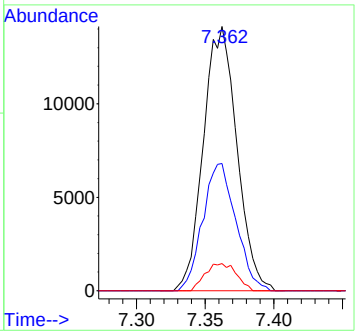


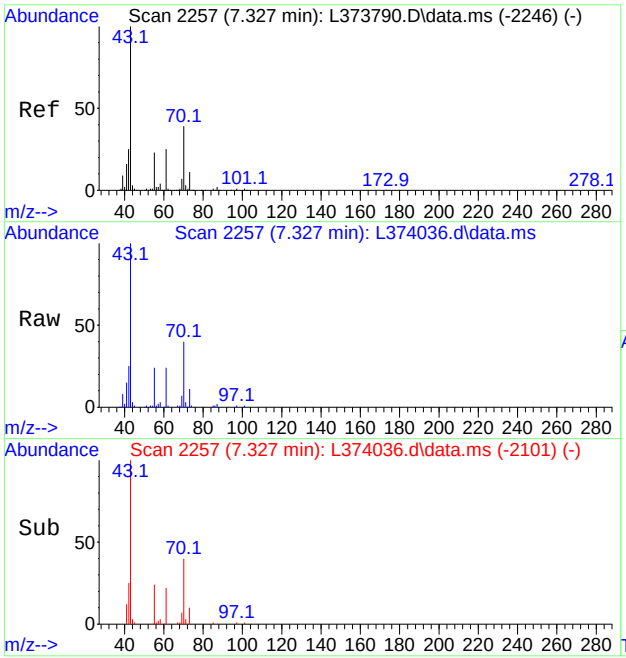


#92
bromoform
Concen: 16.1362 ug/L
RT: 7.362 min Scan# 2268
Delta R.T. 0.000 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion:173 Resp: 23962

Ion	Ratio	Lower	Upper
173	100		
175	48.2	17.8	77.8
254	10.3	0.0	39.4

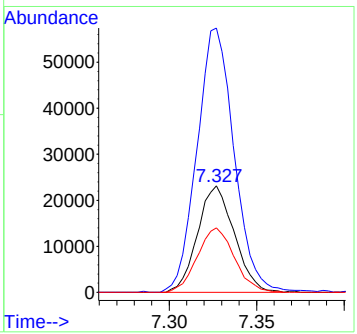


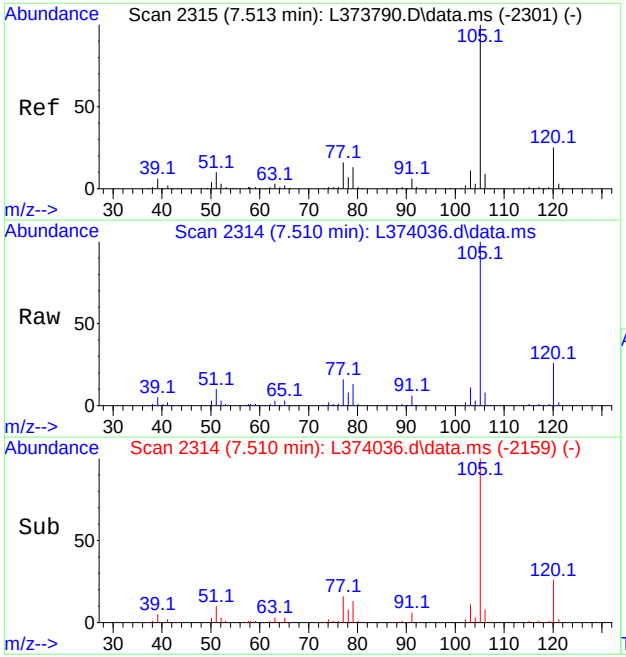


#93
n-amyl acetate
Concen: 18.3125 ug/L
RT: 7.327 min Scan# 2257
Delta R.T. -0.000 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 70 Resp: 33790

Ion	Ratio	Lower	Upper
70	100		
43	248.5	233.4	273.4
61	60.5	42.6	82.6

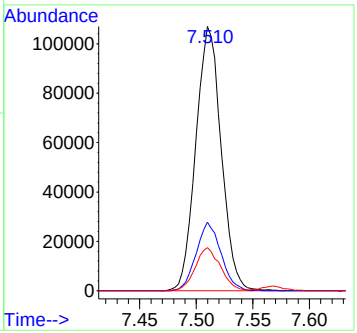


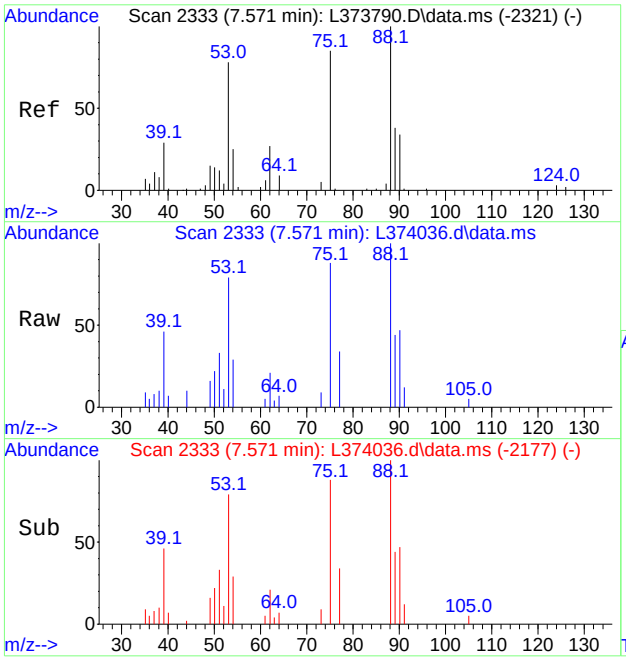


#94
isopropylbenzene
Concen: 20.4539 ug/L
RT: 7.510 min Scan# 2314
Delta R.T. -0.003 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion:105 Resp: 166408

Ion	Ratio	Lower	Upper
105	100		
120	26.0	5.2	45.2
77	16.4	0.0	36.2

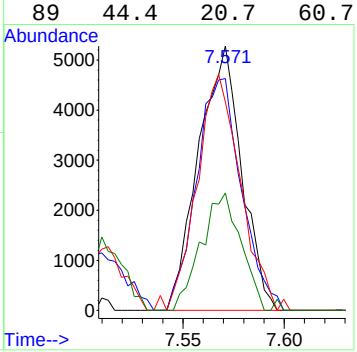


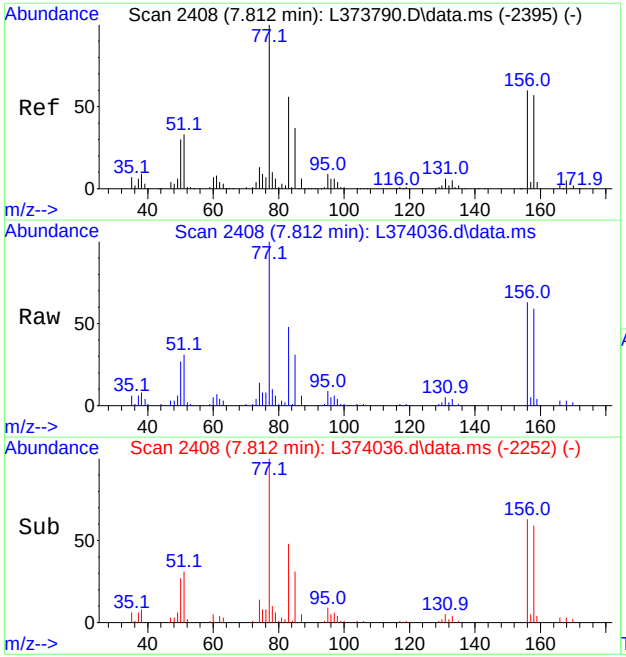


#95
cis-1,4-dichloro-2-butene
Concen: 11.2952 ug/L
RT: 7.571 min Scan# 2333
Delta R.T. -0.000 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 88 Resp: 7823

Ion	Ratio	Lower	Upper
88	100		
75	87.6	66.5	106.5
53	74.5	59.7	99.7
89	44.4	20.7	60.7

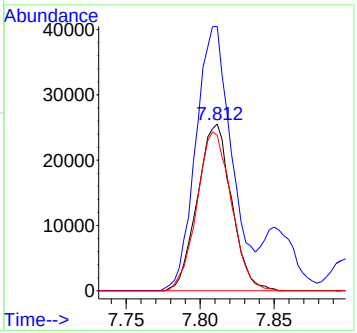


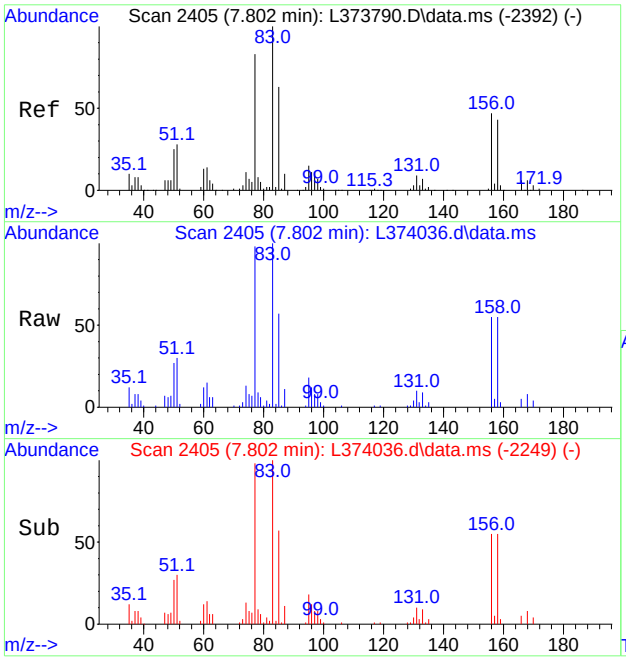


#98
bromobenzene
Concen: 19.4336 ug/L
RT: 7.812 min Scan# 2408
Delta R.T. -0.000 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion:156 Resp: 41030

Ion	Ratio	Lower	Upper
156	100		
77	158.5	137.0	197.0
158	93.3	65.5	125.5

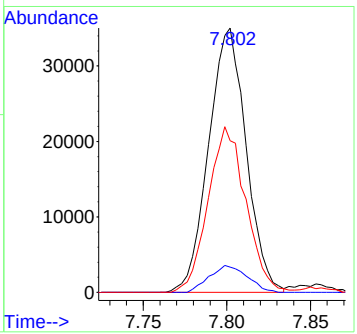


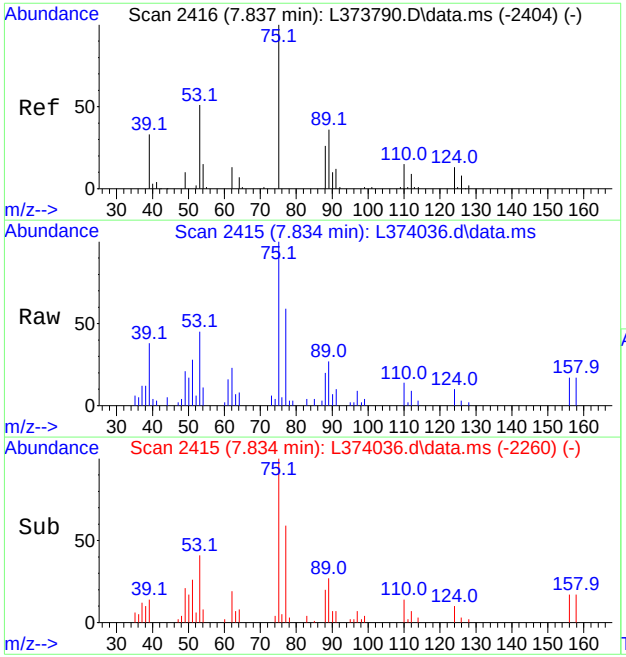


#99
1,1,2,2-tetrachloroethane
Concen: 17.0984 ug/L
RT: 7.802 min Scan# 2405
Delta R.T. -0.000 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 83 Resp: 54688

Ion	Ratio	Lower	Upper
83	100		
131	9.6	0.0	38.9
85	57.4	33.3	93.3

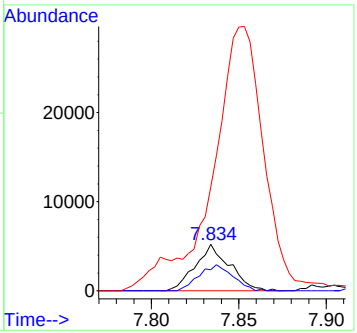


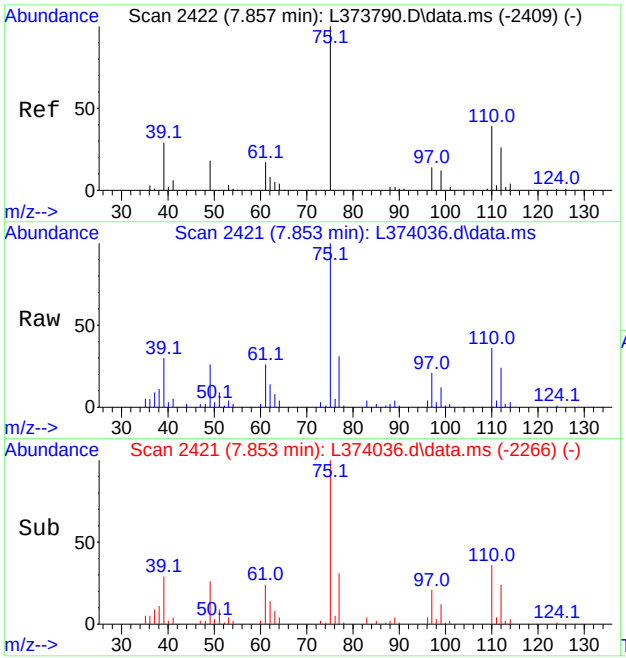


#100
trans-1,4-dichloro-2-butene
Concen: 11.1116 ug/L
RT: 7.834 min Scan# 2415
Delta R.T. -0.003 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 53 Resp: 7124

Ion	Ratio	Lower	Upper
53	100		
88	45.5	21.0	81.0
75	157.6	165.8	225.8#

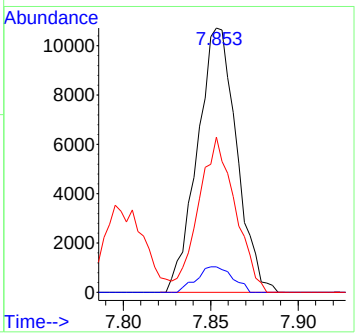


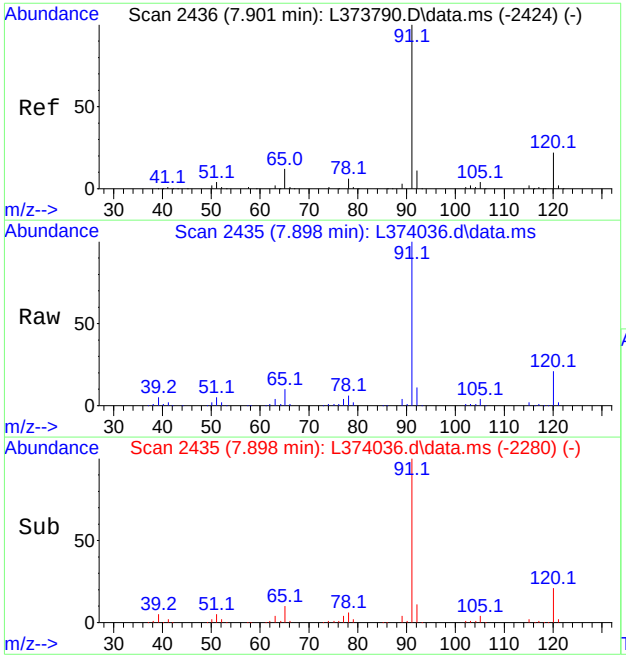


#101
1,2,3-trichloropropane
Concen: 17.5520 ug/L
RT: 7.853 min Scan# 2421
Delta R.T. -0.004 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion:110 Resp: 16776

Ion	Ratio	Lower	Upper
110	100		
111	9.7	0.0	38.4
97	58.7	22.5	82.5

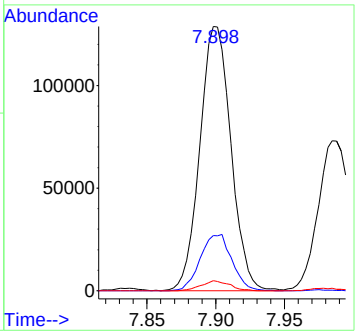


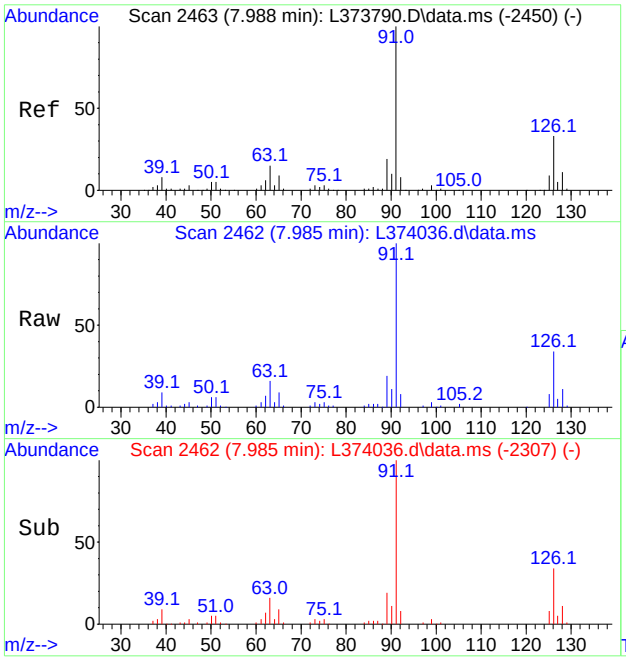


#102
n-propylbenzene
Concen: 19.9017 ug/L
RT: 7.898 min Scan# 2435
Delta R.T. -0.003 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 91 Resp: 203075

Ion	Ratio	Lower	Upper
91	100		
120	20.9	0.0	51.5
105	3.8	0.0	33.7

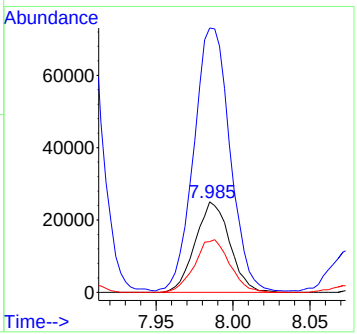


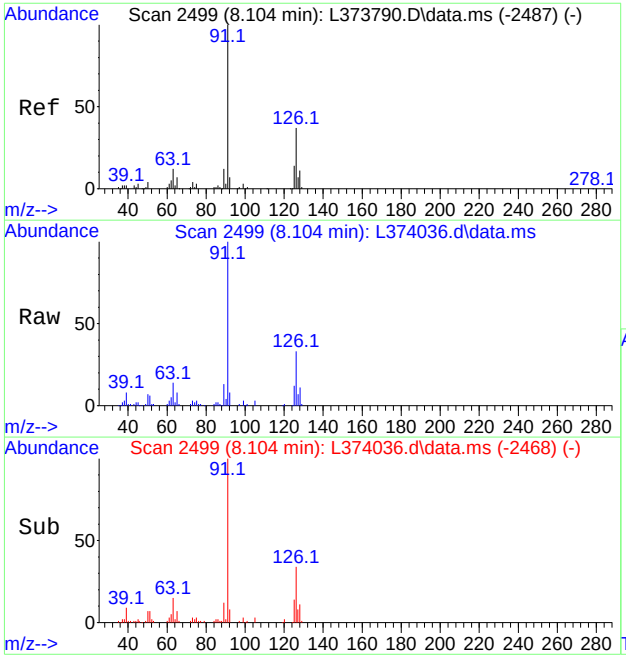


#103
2-chlorotoluene
Concen: 19.6991 ug/L
RT: 7.985 min Scan# 2462
Delta R.T. -0.003 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion:126 Resp: 39007

Ion	Ratio	Lower	Upper
126	100		
91	290.5	276.4	336.4
89	56.0	28.8	88.8

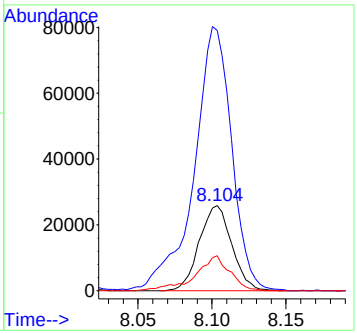


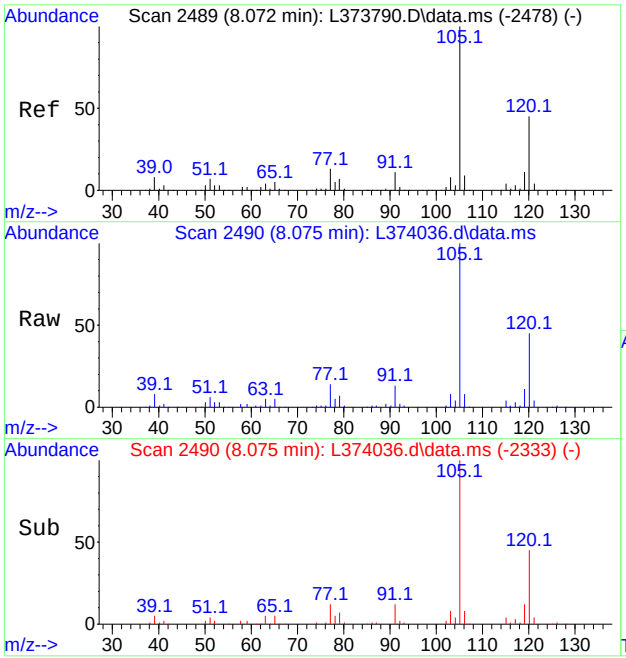


#104
4-chlorotoluene
Concen: 18.8379 ug/L
RT: 8.104 min Scan# 2499
Delta R.T. -0.000 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion:126 Resp: 39564

Ion	Ratio	Lower	Upper
126	100		
91	303.9	265.5	325.5
89	41.0	5.5	65.5

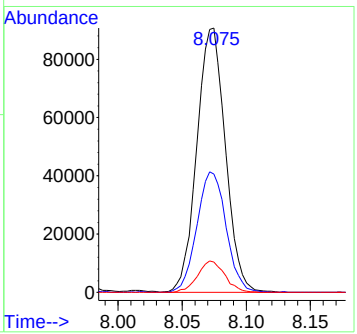


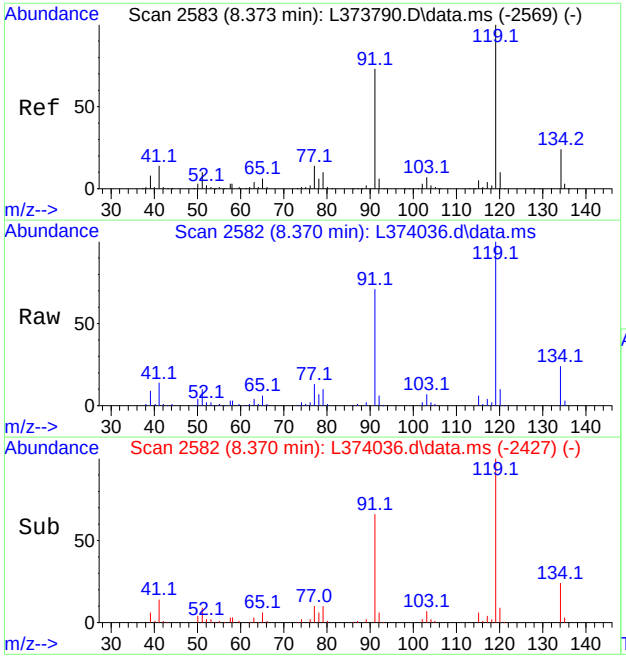


#105
1,3,5-trimethylbenzene
Concen: 19.8141 ug/L
RT: 8.075 min Scan# 2490
Delta R.T. 0.003 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion:105 Resp: 140732

Ion	Ratio	Lower	Upper
105	100		
120	44.8	14.9	74.9
119	11.5	0.0	40.8

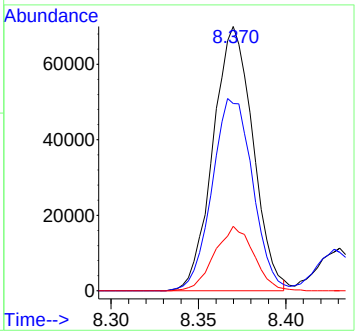


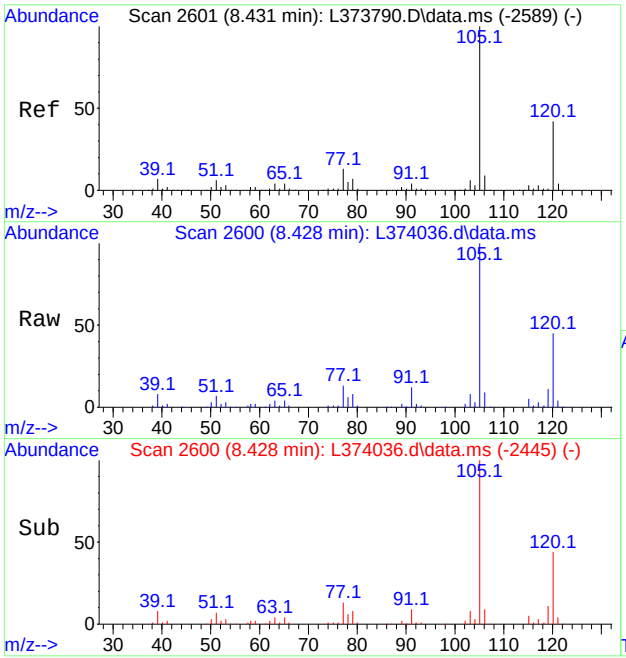


#106
tert-butylbenzene
Concen: 19.7960 ug/L
RT: 8.370 min Scan# 2582
Delta R.T. -0.003 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion:119 Resp: 110910

Ion	Ratio	Lower	Upper
119	100		
91	70.8	42.9	102.9
134	24.4	0.0	54.4

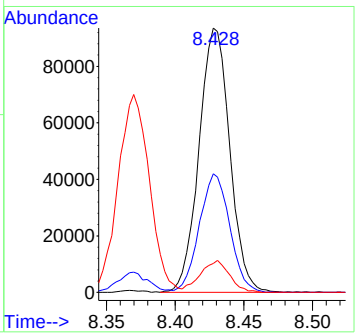


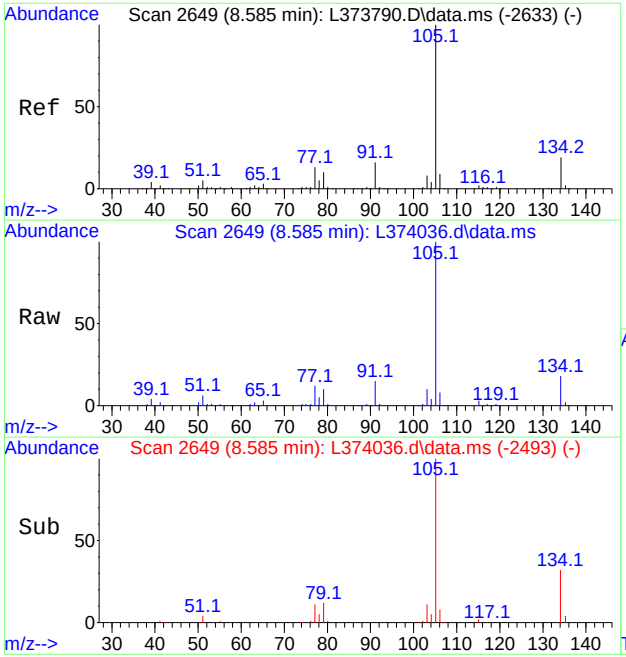


#107
1,2,4-trimethylbenzene
Concen: 20.3022 ug/L
RT: 8.428 min Scan# 2600
Delta R.T. -0.003 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion:105 Resp: 145661

Ion	Ratio	Lower	Upper
105	100		
120	44.8	13.1	73.1
119	11.0	0.0	41.9

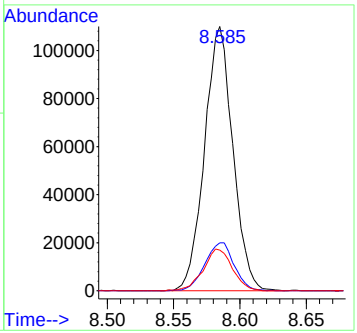


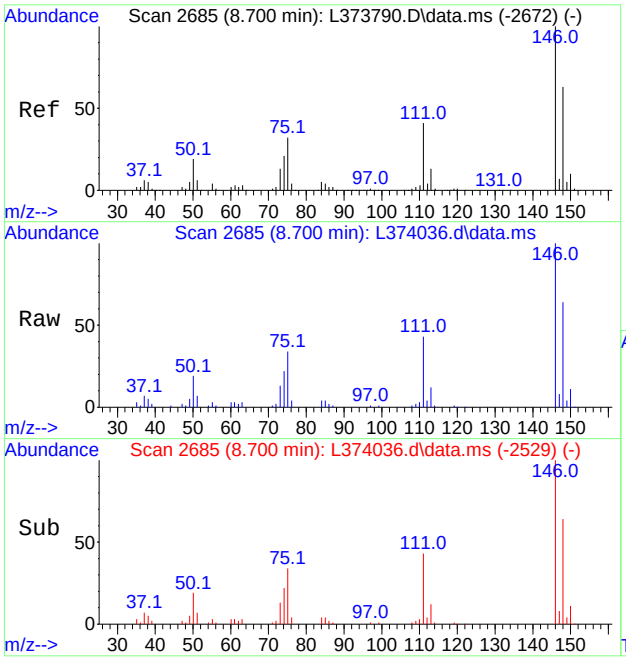


#108
sec-butylbenzene
Concen: 20.0680 ug/L
RT: 8.585 min Scan# 2649
Delta R.T. -0.000 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion:105 Resp: 163222

Ion	Ratio	Lower	Upper
105	100		
134	18.1	0.0	48.8
91	15.4	0.0	45.9

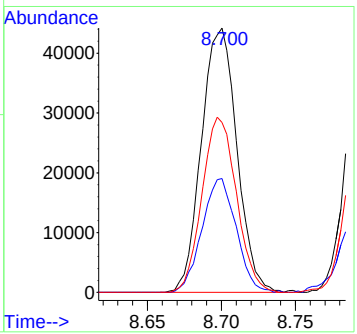


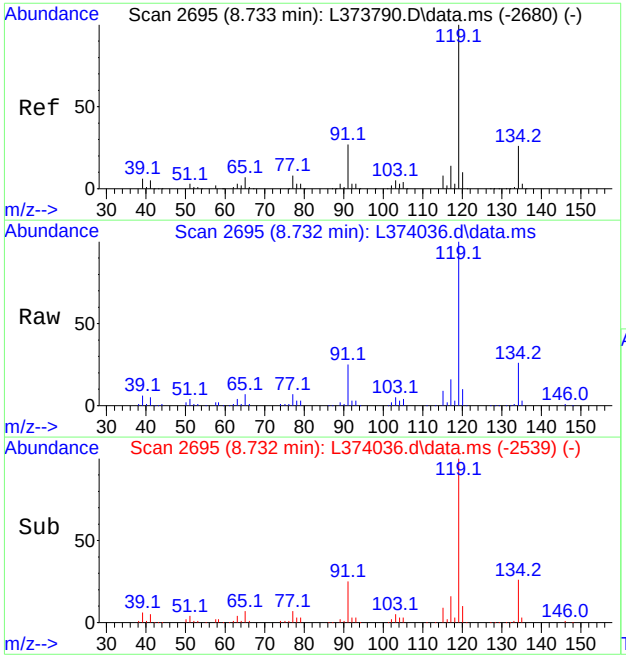


#109
1,3-dichlorobenzene
Concen: 18.8257 ug/L
RT: 8.700 min Scan# 2685
Delta R.T. 0.000 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion:146 Resp: 73505

Ion	Ratio	Lower	Upper
146	100		
111	43.1	11.0	71.0
148	64.2	33.0	93.0

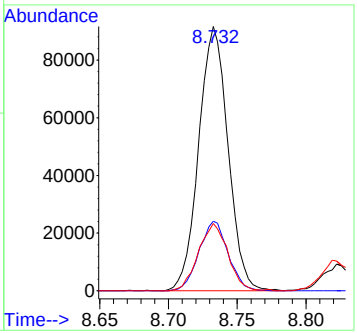


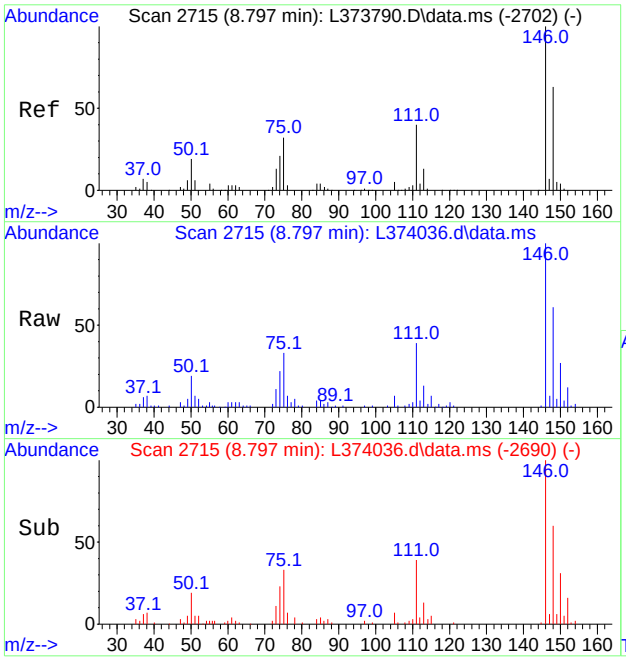


#110
p-isopropyltoluene
Concen: 20.2071 ug/L
RT: 8.732 min Scan# 2695
Delta R.T. -0.001 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion:119 Resp: 135875

Ion	Ratio	Lower	Upper
119	100		
134	26.3	0.0	56.5
91	25.4	0.0	56.9

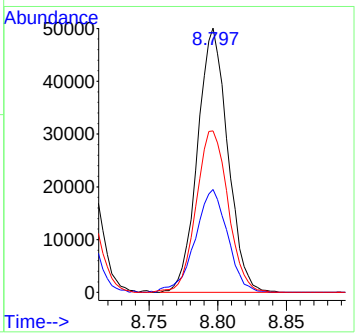


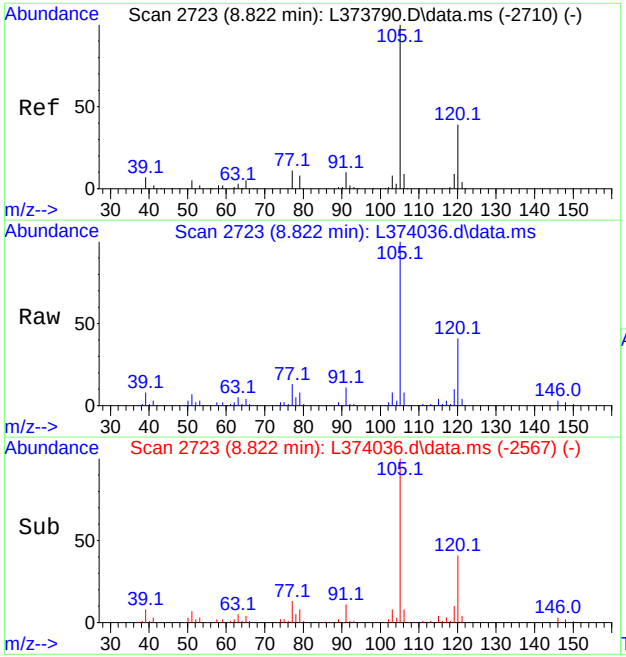


#111
1,4-dichlorobenzene
Concen: 19.0204 ug/L
RT: 8.797 min Scan# 2715
Delta R.T. -0.000 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion:146 Resp: 76720

Ion	Ratio	Lower	Upper
146	100		
111	38.9	9.7	69.7
148	61.0	33.0	93.0

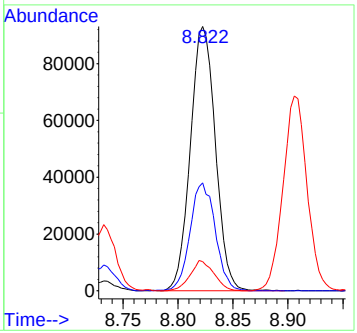


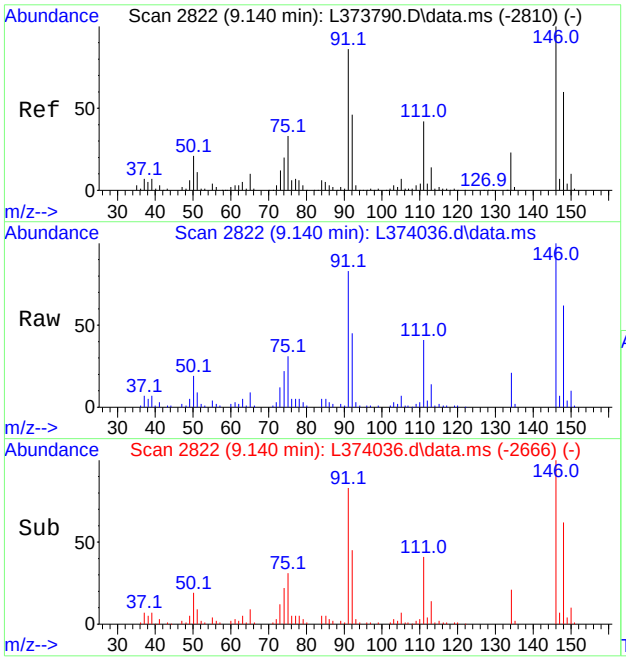


#112
1,2,3-trimethylbenzene
Concen: 19.4704 ug/L
RT: 8.822 min Scan# 2723
Delta R.T. 0.000 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion:105 Resp: 147576

Ion	Ratio	Lower	Upper
105	100		
120	40.8	8.8	68.8
91	11.1	0.0	40.2

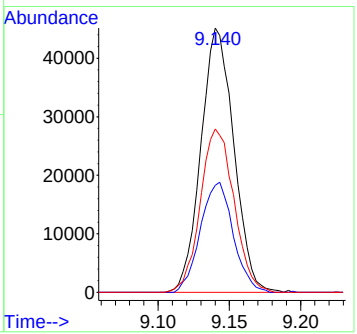


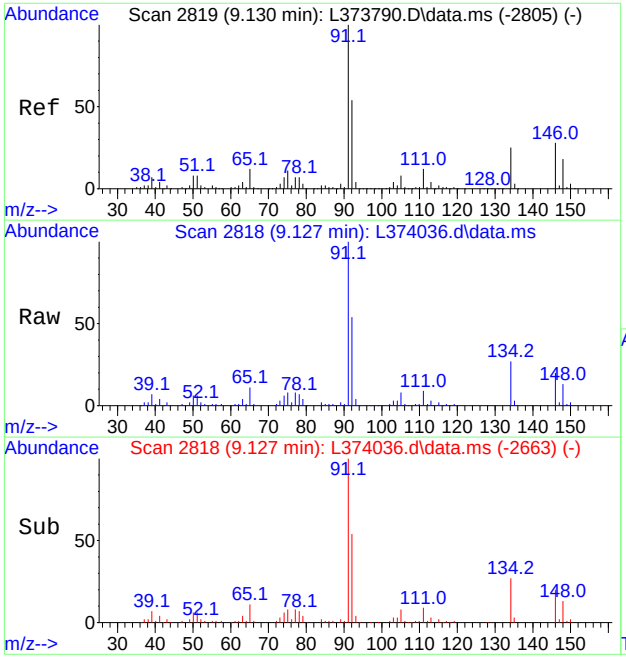


#113
1,2-dichlorobenzene
Concen: 19.3602 ug/L
RT: 9.140 min Scan# 2822
Delta R.T. 0.000 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion:146 Resp: 72615

Ion	Ratio	Lower	Upper
146	100		
111	40.5	12.1	72.1
148	61.8	30.4	90.4

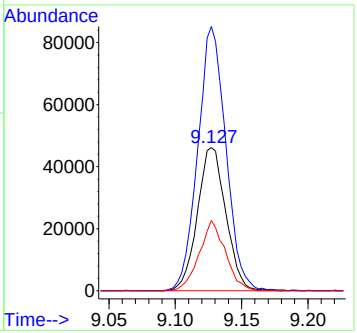


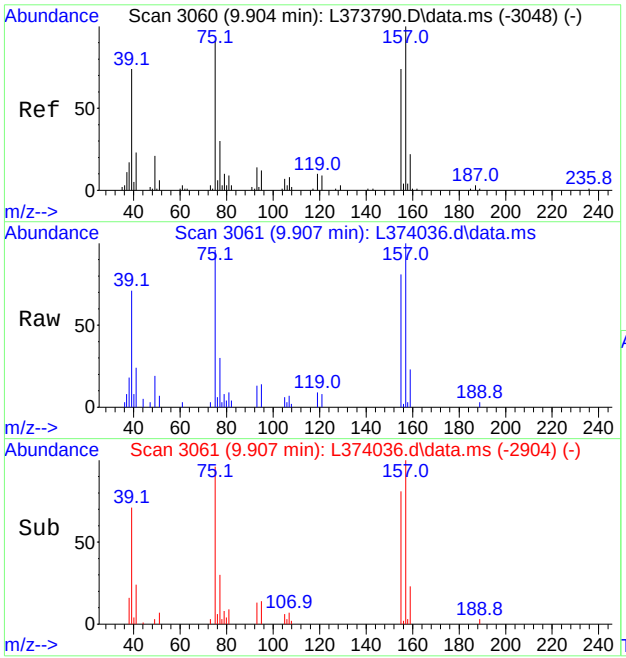


#114
n-butylbenzene
Concen: 20.5651 ug/L
RT: 9.127 min Scan# 2818
Delta R.T. -0.003 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 92 Resp: 68891

Ion	Ratio	Lower	Upper
92	100		
91	184.7	155.4	215.4
134	49.2	15.6	75.6

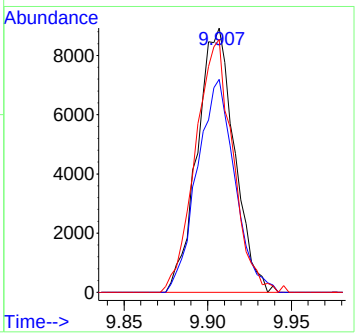


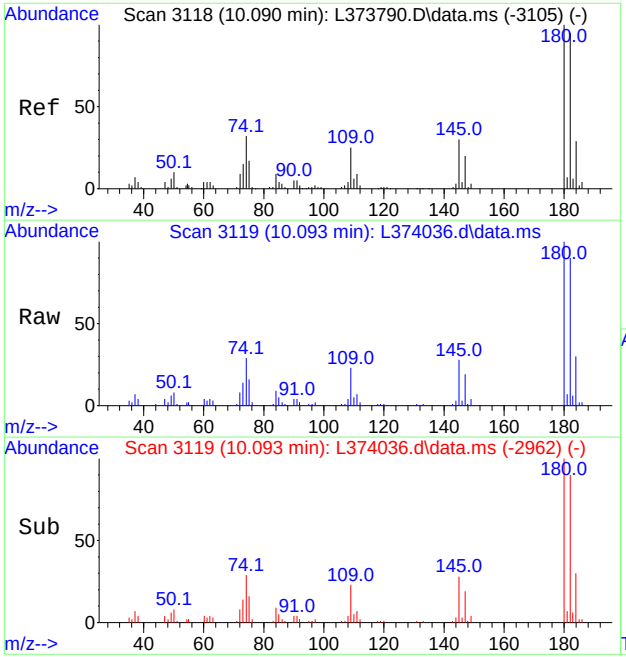


#115
1,2-dibromo-3-chloropropane
Concen: 16.0416 ug/L
RT: 9.907 min Scan# 3061
Delta R.T. 0.003 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion:157 Resp: 13820

Ion	Ratio	Lower	Upper
157	100		
155	80.6	44.1	104.1
75	95.6	60.9	120.9

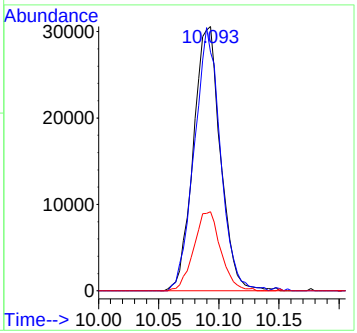


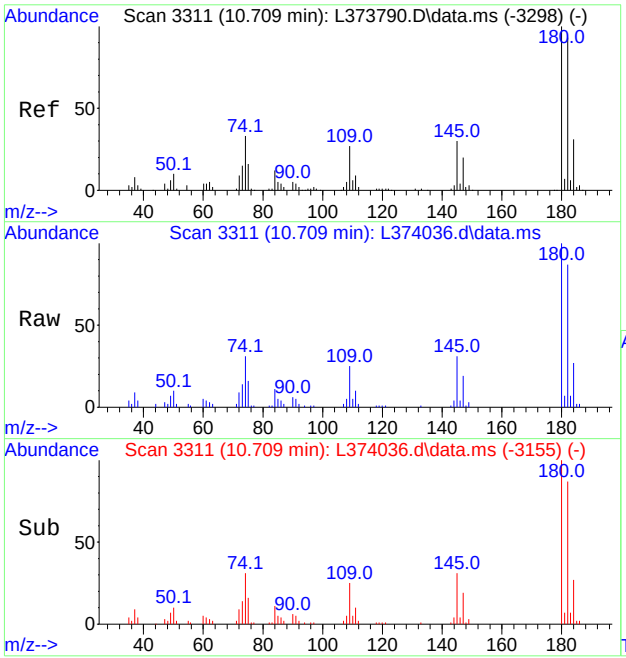


#116
1,3,5-trichlorobenzene
Concen: 19.9266 ug/L
RT: 10.093 min Scan# 3119
Delta R.T. 0.003 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion:180 Resp: 48100

Ion	Ratio	Lower	Upper
180	100		
182	90.2	65.0	125.0
184	29.9	0.0	59.4

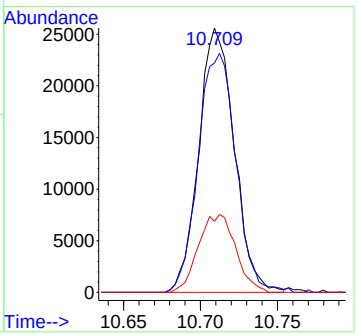


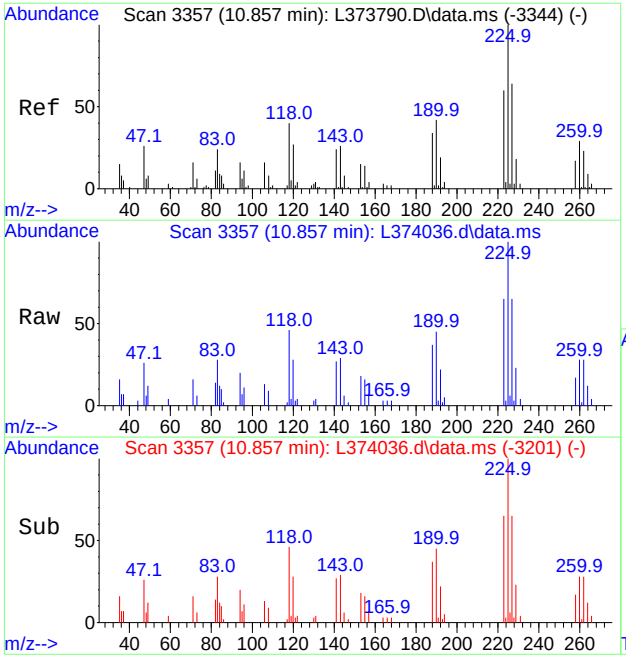


#117
1,2,4-trichlorobenzene
Concen: 19.2893 ug/L
RT: 10.709 min Scan# 3311
Delta R.T. 0.000 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion:180 Resp: 41037

Ion	Ratio	Lower	Upper
180	100		
182	86.7	63.1	123.1
184	26.8	0.8	60.8

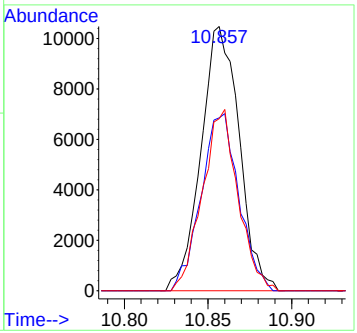


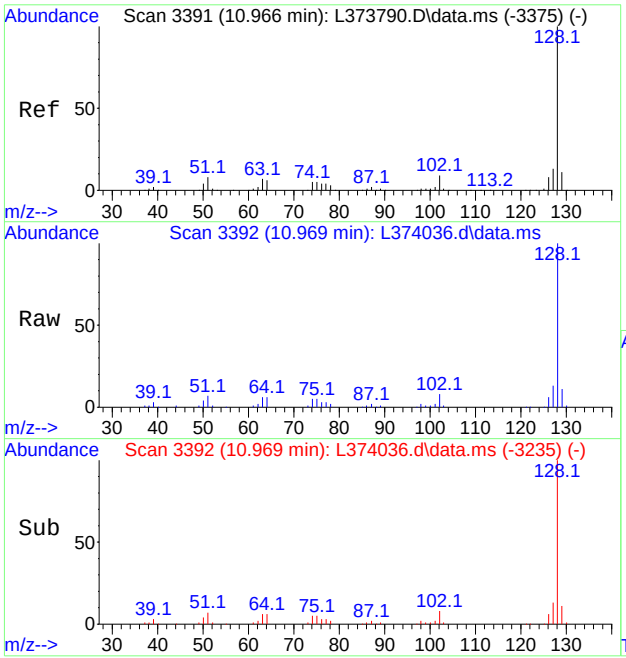


#118
hexachlorobutadiene
Concen: 20.8352 ug/L
RT: 10.857 min Scan# 3357
Delta R.T. -0.000 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion:225 Resp: 16657

Ion	Ratio	Lower	Upper
225	100		
223	65.4	30.0	90.0
227	65.0	33.8	93.8

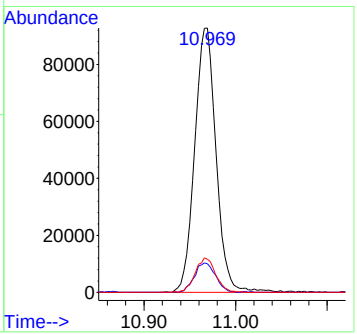


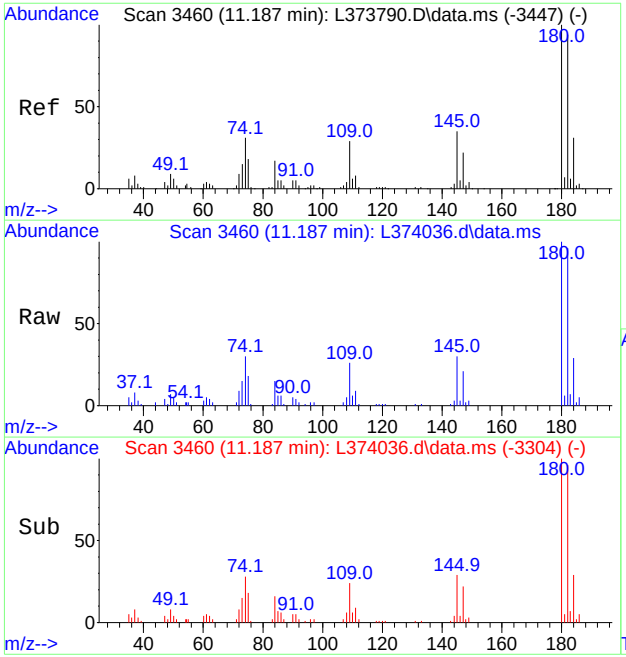


#119
naphthalene
Concen: 19.0794 ug/L
RT: 10.969 min Scan# 3392
Delta R.T. 0.003 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion:128 Resp: 150481

Ion	Ratio	Lower	Upper
128	100		
129	10.8	0.0	41.1
127	12.6	0.0	42.9

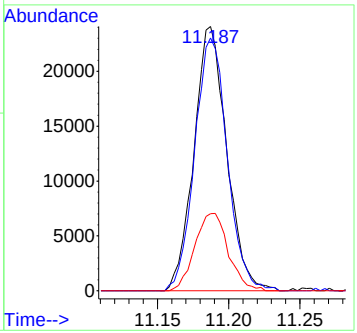


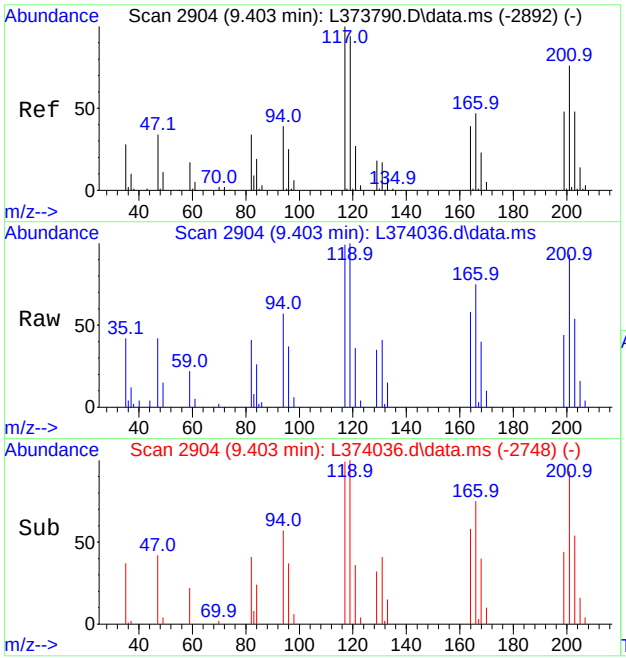


#120
1,2,3-trichlorobenzene
Concen: 19.0360 ug/L
RT: 11.187 min Scan# 3460
Delta R.T. 0.000 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion:180 Resp: 38592

Ion	Ratio	Lower	Upper
180	100		
182	95.6	63.9	123.9
184	29.1	1.2	61.2

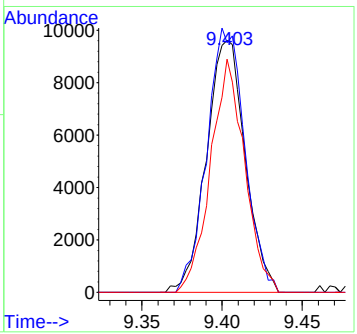


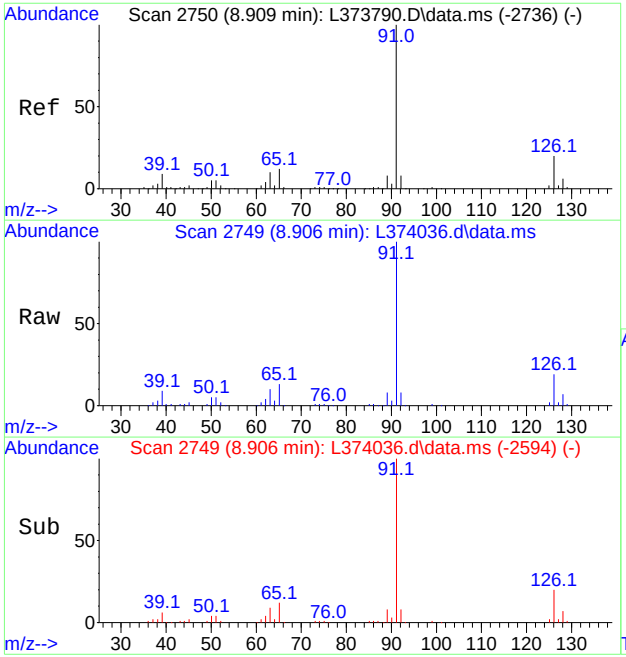


#121
hexachloroethane
Concen: 15.7952 ug/L
RT: 9.403 min Scan# 2904
Delta R.T. 0.000 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion:119 Resp: 16199

Ion	Ratio	Lower	Upper
119	100		
117	99.1	76.2	136.2
201	92.6	51.2	111.2

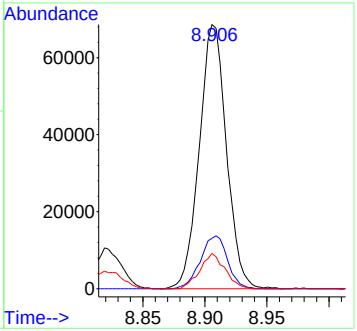


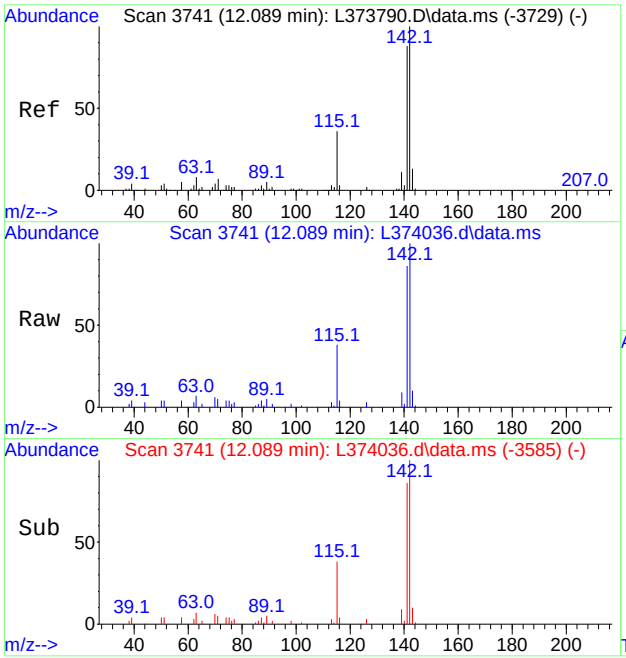


#122
benzyl chloride
Concen: 16.7283 ug/L
RT: 8.906 min Scan# 2749
Delta R.T. -0.003 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion: 91 Resp: 104389

Ion	Ratio	Lower	Upper
91	100		
126	19.1	0.0	49.8
65	13.3	0.0	41.8

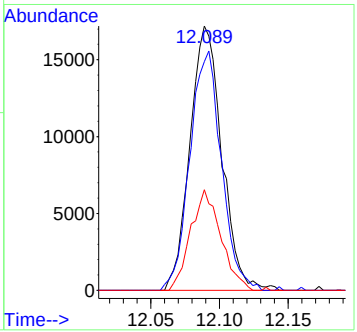




#123
2-methylnaphthalene
Concen: 9.1253 ug/L
RT: 12.089 min Scan# 3741
Delta R.T. -0.000 min
Lab File: L374036.d
Acq: 24 Oct 2025 11:26 am

Tgt Ion:142 Resp: 27767

Ion	Ratio	Lower	Upper
142	100		
141	86.5	68.0	108.0
115	38.1	15.9	55.9



SGS

VOLATILE by GCMS ANALYSIS LOG

Date: 10/16/2025

Standard data

Standard	Lot#	Expiration Date	Concentration
ABK	V025-2806-4.3	11/3/2025	100-10,000 PPM
EC	V025-2806-17.1	10/23/2025	100 PPM
AA	V025-2803-138.5	10/18/2025	100 PPM
Ext.ABK	V025-2803-148.1	10/29/2025	100-10,000 PPM
Ext.EC	V025-2806-16.2	10/21/2025	100 PPM
Ext.Acrolein	V025-2806-6.1	11/6/2025	100 PPM

	Lot#	Expiration Date	concentration
Internal/Surrogate	V025-2806-3	11/3/2025	50-500 PPM
Ext.PA	V025-2806-15.1	11/13/2025	100-1,000 PPM
Ext.Chlorodifluoromethane	V025-2803-135	10/16/2025	100 PPM

Batch ID: VL11472

Print Analyst Name: Bridget Kelly

Processed By: Mohui Huang

Columns: **Rxi-624(60m X 0.25mm X 1.4um)**

Method: **V8260D**

Initial Cal. Method: **ML11472**

Date Archived:_____

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

Supervisor Signature- _____ Date- _____

ALS	Sample ID	Method	File ID	MS Batch, Run ID, Pv,,,, Dil.	Vial #	Purge Vol	IS/SURR	STATUS	Comments
1	BFB	ML11472	L373782	MS92809,VL11472,5.0,,,,1		5		OK	
2	IC11472-0.2	ML11472	L373783	MS92809,VL11472,5.0,,,,1		5		OK	1uL Std.A/B/K,EC,AA in 500mL DI H2O
3	IC11472-0.5	ML11472	L373784	MS92809,VL11472,5.0,,,,1		5		OK	1uL Std.A/B/K,EC,AA in 200mL DI H2O
4	IC11472-1	ML11472	L373785	MS92809,VL11472,5.0,,,,1		5		OK	1uL Std.A/B/K,EC,AA in 100mL DI H2O
5	IC11472-2	ML11472	L373786	MS92809,VL11472,5.0,,,,1		5		OK	1uL Std.A/B/K,EC,AA in 50mL DI H2O
6	IC11472-4	ML11472	L373787	MS92809,VL11472,5.0,,,,1		5		OK	2uL Std.A/B/K,EC,AA in 50mL DI H2O
7	IC11472-8	ML11472	L373788	MS92809,VL11472,5.0,,,,1		5		OK	4uL Std.A/B/K,EC,AA in 50mL DI H2O
8	IC11472-20	ML11472	L373789	MS92809,VL11472,5.0,,,,1		5		OK	10uL Std.A/B/K,EC,AA in 50mL DI H2O
9	ICC11472-50	ML11472	L373790	MS92809,VL11472,5.0,,,,1		5		OK	25uL Std.A/B/K,EC,AA in 50mL DI H2O
10	IC11472-100	ML11472	L373791	MS92809,VL11472,5.0,,,,1		5		OK	50uL Std.A/B/K,EC,AA in 50mL DI H2O
11	IC11472-200	ML11472	L373792	MS92809,VL11472,5.0,,,,1		5		OK	100uL Std.A/B/K,EC,AA in 50mL DI H2O
12	IB	ML11472	L373793	MS92809,VL11472,5.0,,,,1		5		OK	
13	IB	ML11472	L373794	MS92809,VL11472,5.0,,,,1		5		OK	
14	ICV11472-50	ML11472	L373795	MS92809,VL11472,5.0,,,,1		5		OK	25uL Ext.A/B/K,EC,Acrolein, in 50mL DI H2O
15	ICV11472-50	ML11472	L373796	MS92809,VL11472,5.0,,,,1		5		OK	25uL Ext.PA,Chlorodifluoromethane in 50mL DI H2O
16	IB	ML11472	L373797	MS92809,VL11472,5.0,,,,1		5		OK	

SGS

VOLATILE by GCMS ANALYSIS LOG

Date: 10/24/25

Standard data

Lot#	Expiration Date	concentration
AA: V025-2806-19.4	11/20/2025	100ppm
ABK:V025-2806-4.2	11/3/2025	100-10000ppm
EC: V025-2806-20.4	10/29/2025	100ppm

Internal/SUrrogate data

Lot#	Expiration Date	concentration
IS:V025-2806-3	11/3/2025	50-500PPM
pH paper:211623a	4/15/2026	

Batch ID: VL11481

Print Analyst Name: Bridget Kelly

Processed By: AdrianA2

Columns: Rxi-624(30mx0.25mmx1.4um)

Method: V8260D

Initial Cal. Method: VL11472

Date Archived:_____

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

Supervisor Signature- _____ Date- _____

ALS	Sample ID	Method	File ID	MS Batch, Run ID, Pv,,,, Dil.	Vial #	Purge Vol	IS/SURR	pH	STATUS	Comments
16	ib	ML11472	L374035	MS98250,VL11480,5,,,,1		5ml			ok	
16	cc11472-20	ML11472	L374036	MS98250,VL11481,5,,,,1		5ml			ok	20ul abk,ec,aa/100ml; 11:26AM
17	bs	ML11472	L374037	MS98250,VL11481,5,,,,1		5ml			ok	50ul abk,ec,aa/100ml
18	ib	ML11472	L374038	MS98250,VL11481,5,,,,1		5ml			ok	
19	mb	ML11472	L374039	MS98250,VL11481,5,,,,1		5ml			ok	
20	je20915-10	ML11472	L374040	MS98032,VL11481,5,,,,1		5ml		1	rr	f/d
21	je21060-1	ML11472	L374041	MS98459,VL11481,5,,,,10		5/50ml		1	ok	
22	je21470-2	ML11472	L374042	MS98341,VL11481,5,,,,10		5/50ml		1	ok	
23	je21470-1	ML11472	L374043	MS98341,VL11481,5,,,,1		5ml		1	ok	
24	je20915-1	ML11472	L374044	MS98032,VL11481,5,,,,10		5/50ml		1	ok	
25	je21412-4	ML11472	L374045	MS98308,VL11481,5,,,,200		0.25/50ml		1	ok	
26	je21412-5	ML11472	L374046	MS98308,VL11481,5,,,,250		0.2/50ml		1	ok	
27	je21060-1	ML11472	L374047	MS98459,VL11481,5,,,,1		5ml		1	ok	
27	je21372-4	ML11472	L374048	MS98310,VL11481,5,,,,1		5ml		1	ok	
28	je21372-1	ML11472	L374049	MS98310,VL11481,5,,,,1		5ml		1	rr	report TBA from first run
29	je21509-2ms	ML11472	L374050	MS98392,VL11481,5,,,,5		10/50ml		1	ok	25 uL ABK EC AA / 50 mL
30	je21509-2msd	ML11472	L374051	MS98392,VL11481,5,,,,5		10/50ml		1	ok	25 uL ABK EC AA / 50 mL
31	je21412-2	ML11472	L374052	MS98308,VL11481,5,,,,250		0.2/50ml		1	ok	
32	je21412-3	ML11472	L374053	MS98308,VL11481,5,,,,250		0.2/50ml		1	ok	
33	je21194-2	ML11472	L374054	MS98193,VL11481,5,,,,1		5ml		1	ok	
34	je21509-3	ML11472	L374055	MS98392,VL11481,5,,,,1		5ml		1	ok	
35	je21509-2	ML11472	L374056	MS98392,VL11481,5,,,,5		10/50ml		1	ok	
36	da76182-8	ML11472	L374057	MS98190,VL11481,5,,,,1		5ml		1	ok	
37	da76182-9	ML11472	L374058	MS98190,VL11481,5,,,,1		5ml		1	ok	
38	da76182-10	ML11472	L374059	MS98190,VL11481,5,,,,1		5ml		3	ok	
39	da76182-11	ML11472	L374060	MS98190,VL11481,5,,,,1		5ml		1	ok	
40	da76182-12	ML11472	L374061	MS98190,VL11481,5,,,,1		5ml		1	ok	
41	je21509-1	ML11472	L374062	MS98392,VL11481,5,,,,1		5ml		1	ok	10:33PM

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries
- GC Surrogate Retention Time Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method Blank Summary

Job Number: JE21194
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GKM595-MB	KM14184.D	1	10/16/25	JN	n/a	n/a	GKM595

The QC reported here applies to the following samples: **Method:** SW846 8015D

JE21194-1

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.11	mg/l	

CAS No.	Surrogate Recoveries		Limits
98-08-8	aaa-Trifluorotoluene	88%	63-120%

Method Blank Summary

Job Number: JE21194
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GKM595-MB2	KM14191.D	1	10/16/25	JN	n/a	n/a	GKM595

The QC reported here applies to the following samples: **Method:** SW846 8015D

JE21194-1DUP, JE21115-1MS

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.11	mg/l	

CAS No.	Surrogate Recoveries		Limits
98-08-8	aaa-Trifluorotoluene	90%	63-120%

Method Blank Summary

Job Number: JE21194
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GAA3397-MB	AA118303.D	1	10/28/25	WC	n/a	n/a	GAA3397

The QC reported here applies to the following samples: **Method:** RSK-175

JE21194-1

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	ND	0.11	0.080	ug/l	

Blank Spike Summary

Job Number: JE21194
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GKM595-BS	KM14185.D	1	10/16/25	JN	n/a	n/a	GKM595

The QC reported here applies to the following samples: **Method:** SW846 8015D

JE21194-1

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH-GRO (C6-C10)	8	8.66	108	56-129

CAS No.	Surrogate Recoveries	BSP	Limits
98-08-8	aaa-Trifluorotoluene	98%	63-120%

* = Outside of Control Limits.

Laboratory Control Sample Summary

Job Number: JE21194
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GAA3397-LCS	AA118328.D	1	10/28/25	WC	n/a	n/a	GAA3397

The QC reported here applies to the following samples: **Method:** RSK-175

JE21194-1

CAS No.	Compound	Spike ug/l	LCS ug/l	LCS %	Limits
74-82-8	Methane	10.8	10.2	95	85-115

* = Outside of Control Limits.

Matrix Spike Summary

Job Number: JE21194
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE21115-1MS	KM14196.D	1	10/16/25	JN	n/a	n/a	GKM595
JE21115-1	KM14188.D	1	10/16/25	JN	n/a	n/a	GKM595

The QC reported here applies to the following samples: **Method:** SW846 8015D

JE21194-1

CAS No.	Compound	JE21115-1 mg/l	Q	Spike mg/l	MS mg/l	MS %	Limits
	TPH-GRO (C6-C10)	ND		8	8.05	101	23-168

CAS No.	Surrogate Recoveries	MS	JE21115-1	Limits
98-08-8	aaa-Trifluorotoluene	100%	88%	63-120%

* = Outside of Control Limits.

Duplicate Summary

Job Number: JE21194
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE21194-1DUP	KM14192.D	1	10/16/25	JN	n/a	n/a	GKM595
JE21194-1	KM14189.D	1	10/16/25	JN	n/a	n/a	GKM595

The QC reported here applies to the following samples: **Method:** SW846 8015D

JE21194-1

CAS No.	Compound	JE21194-1 mg/l	Q	DUP mg/l	Q	RPD	Limits
	TPH-GRO (C6-C10)	ND		ND		nc	56

CAS No.	Surrogate Recoveries	DUP	JE21194-1	Limits
98-08-8	aaa-Trifluorotoluene	84%	88%	63-120%

8.5.1

8

* = Outside of Control Limits.

Duplicate Summary

Job Number: JE21194
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE21351-18DUP	AA118318.D	1	10/28/25	WC	n/a	n/a	GAA3397
JE21351-18	AA118317.D	1	10/28/25	WC	n/a	n/a	GAA3397
JE21351-18	AA118319.D	100	10/28/25	WC	n/a	n/a	GAA3397

The QC reported here applies to the following samples: **Method:** RSK-175

JE21194-1

CAS No.	Compound	JE21351-18 ug/l	Q	DUP ug/l	Q	RPD	Limits
74-82-8	Methane	9570 [b]		6630	E	36* [a]	20

(a) Outside control limits.
(b) Result is from Run #2.

* = Outside of Control Limits.

Surrogate Recovery Summary

Job Number: JE21194
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Method: SW846 8015D **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]
JE21194-1	KM14189.D	88
GKM595-BS	KM14185.D	98
GKM595-MB	KM14184.D	88
JE21115-1MS	KM14196.D	100
JE21194-1DUP	KM14192.D	84
GKM595-MB2	KM14191.D	90

Surrogate Compounds	Recovery Limits
S1 = aaa-Trifluorotoluene	63-120%

(a) Recovery from GC signal #1

GC Surrogate Retention Time Summary

Job Number: JE21194
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Check Std:	GKM594-CC588	**Injection Date:**	10/15/25
Lab File ID:	KM14179.D	**Injection Time:**	19:47
Instrument ID:	GCKM	**Method:**	SW846 8015D

	S1 [a] **RT**
Check Std	10.98

Lab Sample ID	**Lab File ID**	**Date Analyzed**	**Time Analyzed**	**S1** [a] **RT**
GKM595-RT	KM14182.D	10/16/25	10:53	10.98

Surrogate Compounds

S1 = aaa-Trifluorotoluene

(a) Retention time from GC signal #1

GC Surrogate Retention Time Summary

Job Number: JE21194
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Check Std:	GKM595-CC588	**Injection Date:**	10/16/25
Lab File ID:	KM14183.D	**Injection Time:**	11:17
Instrument ID:	GCKM	**Method:**	SW846 8015D

	S1 [a] **RT**
Check Std	10.98

Lab Sample ID	**Lab File ID**	**Date Analyzed**	**Time Analyzed**	**S1** [a] **RT**
GKM595-MB	KM14184.D	10/16/25	12:03	10.98
GKM595-BS	KM14185.D	10/16/25	12:45	10.98
ZZZZZZ	KM14186.D	10/16/25	13:21	10.98
ZZZZZZ	KM14187.D	10/16/25	13:45	10.98
JE21115-1	KM14188.D	10/16/25	14:09	10.98
JE21194-1	KM14189.D	10/16/25	15:07	10.98

Surrogate Compounds

S1 = aaa-Trifluorotoluene

(a) Retention time from GC signal #1

GC Surrogate Retention Time Summary

Job Number: JE21194
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Check Std:	GKM595-CC588	**Injection Date:**	10/16/25
Lab File ID:	KM14190.D	**Injection Time:**	15:39
Instrument ID:	GCKM	**Method:**	SW846 8015D

	S1 [a] **RT**
Check Std	10.98

Lab Sample ID	**Lab File ID**	**Date Analyzed**	**Time Analyzed**	**S1** [a] **RT**
GKM595-MB2	KM14191.D	10/16/25	16:46	10.98
JE21194-1DUP	KM14192.D	10/16/25	17:35	10.98
ZZZZZZ	KM14193.D	10/16/25	17:59	10.98
ZZZZZZ	KM14194.D	10/16/25	18:24	10.98
ZZZZZZ	KM14195.D	10/16/25	18:48	10.98
JE21115-1MS	KM14196.D	10/16/25	19:12	10.98

Surrogate Compounds

S1 = aaa-Trifluorotoluene

(a) Retention time from GC signal #1

Initial Calibration Summary

Job Number: JE21194
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: GAA3333-ICC3333
Lab FileID: AA116754.D

Response Factor Report GCAA

Method : C:\MSDCHEM\1\METHODS\MAA3333.M (ChemStation Integrator)
Title : METHOD V8015 DG by GC-FID
Last Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration

Calibration Files
1 =aa116759.d 2 =aa116760.d 10 =aa116752.d 20 =aa116753.d
100 =aa116754.d 200 =aa116755.d 500 =aa116756.d 1000=aa116757.d

Compound	1	2	10	20	100	200	500	1000	Avg	%RSD
1) Methane	1.793	1.573	1.651	1.629	1.711	1.650	1.541	1.566	1.639 E4	5.08
2) Ethane	3.351	2.829	3.126	3.066	3.300	3.189	2.969	3.004	3.104 E4	5.61
3) Ethene	3.472	2.791	3.144	3.078	3.310	3.199	2.983	3.015	3.124 E4	6.70
4) Propane	4.958	4.366	4.784	4.701	5.075	4.938	4.568	4.612	4.750 E4	4.95

(#) = Out of Range ### Number of calibration levels exceeded format ###

MAA3333.M Fri Jul 25 16:27:47 2025 AA

8.8.1

8

Initial Calibration Verification

Job Number: JE21194
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: GAA3333-ICV3333
Lab FileID: AA116761.D

Evaluate Continuing Calibration Report

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa116761.d
Signal(s) : FID1A.ch
Acq On : 25 Jul 2025 4:13 pm
Operator : williamc
Sample : icv3333-100
Misc : GC65024,GAA3333,,,,,1
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jul 25 16:23:52 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	Methane	16.391	15.585 E3	4.9	91	0.00
2	Ethane	31.042	29.913 E3	3.6	91	0.00
3	Ethene	31.239	29.965 E3	4.1	91	0.00
4	Propane	47.504	42.478 E3	10.6	84	0.00

Evaluate Continuing Calibration Report - Not Founds

(#) = Out of Range SPCC's out = 0 CCC's out = 0

MAA3333.M Fri Jul 25 16:27:34 2025 AA

Continuing Calibration Summary

Job Number: JE21194
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: GAA3397-CC3333
Lab FileID: AA118301.D

Evaluate Continuing Calibration Report

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118301.d
Signal(s) : FID1A.ch
Acq On : 28 Oct 2025 8:21 am
Operator : williamc
Sample : cc3333-100
Misc : GC65419,GAA3397,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 28 08:31:21 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	Methane	16.391	16.864 E3	-2.9	99	0.00
2	Ethane	31.042	32.237 E3	-3.8	98	0.00
3	Ethene	31.239	32.356 E3	-3.6	98	0.00
4	Propane	47.504	49.424 E3	-4.0	97	0.00

Evaluate Continuing Calibration Report - Not Founds

(#) = Out of Range SPCC's out = 0 CCC's out = 0

MAA3333.M Tue Oct 28 16:24:08 2025 AA

Continuing Calibration Summary

Job Number: JE21194
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: GAA3397-CC3333
Lab FileID: AA118316.D

Evaluate Continuing Calibration Report

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118316.d
Signal(s) : FID1A.ch
Acq On : 28 Oct 2025 1:02 pm
Operator : williamc
Sample : cc3333-100
Misc : GC65392,GAA3397,,,,,1
ALS Vial : 16 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 28 13:12:16 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	Methane	16.391	16.303 E3	0.5	95	0.00
2	Ethane	31.042	31.321 E3	-0.9	95	0.00
3	Ethene	31.239	31.427 E3	-0.6	95	0.00
4	Propane	47.504	48.108 E3	-1.3	95	0.00

Evaluate Continuing Calibration Report - Not Founds

(#) = Out of Range SPCC's out = 0 CCC's out = 0

MAA3333.M Tue Oct 28 16:24:10 2025 AA

Continuing Calibration Summary

Job Number: JE21194
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: GAA3397-CC3333
Lab FileID: AA118329.D

Evaluate Continuing Calibration Report

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118329.d
Signal(s) : FID1A.ch
Acq On : 28 Oct 2025 4:13 pm
Operator : williamc
Sample : cc3333-100
Misc : GC65438,GAA3397,,,,,1
ALS Vial : 29 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 28 16:23:29 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	Methane	16.391	16.480 E3	-0.5	96	0.00
2	Ethane	31.042	31.611 E3	-1.8	96	0.00
3	Ethene	31.239	31.711 E3	-1.5	96	0.00
4	Propane	47.504	48.484 E3	-2.1	96	0.00

Evaluate Continuing Calibration Report - Not Founds

(#) = Out of Range SPCC's out = 0 CCC's out = 0

MAA3333.M Tue Oct 28 16:24:12 2025 AA

Initial Calibration Summary

Job Number: JE21194
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: GKM588-ICC588
Lab FileID: KM14017.D

Response Factor Report HP G1530A

Method Path : C:\MSDCHEM\1\METHODS\
Method File : MKM588.M
Title : Method SW846 8015C (GRO) .
Last Update : Fri Oct 10 09:53:32 2025
Response Via : Initial Calibration

Calibration Files
0.2 =KM14014.D 0.8 =KM14015.D 4 =KM14016.D
8 =KM14017.D 20 =KM14018.D 30 =KM14019.D

	Compound	0.2	0.8	4	8	20	30	Avg		%RSD
1) H	TPH-GRO (C6-C10)	4.492	3.561	3.693	3.498	3.944	3.876	3.844	E5	9.41
2) H	TPH-GRO (C6-C12)	4.266	3.033	3.052	2.917	3.326	3.230	3.304	E5	14.94
3) S	a,a,a-Trifluo...	6.977	7.010	7.321	7.535	8.868	9.943	7.942	E5	15.12

(#) = Out of Range ### Number of calibration levels exceeded format ###

MKM588.M Fri Oct 10 09:54:19 2025 RPT1

8.8.6

8

Initial Calibration Verification

Job Number: JE21194
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: GKM588-ICV588
Lab FileID: KM14025.D

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\DATA\GKM588\
Data File : KM14025.D
Signal(s) : FID1A.CH
Acq On : 09 Oct 2025 8:38 pm
Operator : johnn
Sample : ICV588-8000
Misc : GC65359,GKM588,5.0,,,,1
ALS Vial : 19 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 10 09:53:40 2025
Quant Method : C:\MSDCHEM\1\METHODS\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1 H	TPH-GRO (C6-C10)	384.394	383.139 E3	0.3	110	0.00
2 H	TPH-GRO (C6-C12)	330.393	366.797 E3	-11.0	126	0.00
3 S	a,a,a-Trifluorotoluene	794.230	755.724 E3	4.8	100	0.00

Evaluate Continuing Calibration Report - Not Founds

(#) = Out of Range SPCC's out = 0 CCC's out = 0

MKM588.M Fri Oct 10 09:55:36 2025 RPT1

8.8.7

Continuing Calibration Summary

Job Number: JE21194
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: GKM594-CC588
Lab FileID: KM14179.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\C...2025\GKM594\KM14179.D Vial: 19
Acq On : 15 Oct 2025 7:47 pm Operator: johnn
Sample : cc588-4000 Inst : HP G1530A
Misc : GC65382,GKM594,5.0,,100,5,1 Multiplr: 1.00
IntFile : AUTOINT1.E

Method : C:\msdchem\1\methods\MKM588.M (ChemStation Integrator)
Title : Method SW846 8015C (GRO) .
Last Update : Fri Oct 10 09:53:32 2025
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 H	TPH-GRO (C6-C10)	384.394	389.725 E3	-1.4	106	0.00	8.18-14.72
2 H	TPH-GRO (C6-C12)	330.393	341.173 E3	-3.3	112	0.00	8.70-15.84
3 S	a,a,a-Trifluorotoluene	794.230	757.795 E3	4.6	104	0.00	10.92-11.02

(#) = Out of Range SPCC's out = 0 CCC's out = 0
KM14016.D MKM588.M Thu Oct 16 13:24:00 2025

Continuing Calibration Summary

Job Number: JE21194
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: GKM595-CC588
Lab FileID: KM14183.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\b...2025\gkm595\KM14183.D Vial: 4
Acq On : 16 Oct 2025 11:17 am Operator: johnn
Sample : cc588-8000 Inst : HP G1530A
Misc : GC65381,GKM595,5.0,,,,1 Multiplr: 1.00
IntFile : AUTOINT1.E

Method : C:\msdchem\1\methods\MKM588.M (ChemStation Integrator)
Title : Method SW846 8015C (GRO) .
Last Update : Fri Oct 10 09:53:32 2025
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 H	TPH-GRO (C6-C10)	384.394	455.071 E3	-18.4	130	0.00	8.18-14.72
2 H	TPH-GRO (C6-C12)	330.393	406.617 E3	-23.1#	139	0.00	8.70-15.84
3 S	a,a,a-Trifluorotoluene	794.230	810.029 E3	-2.0	107	0.00	10.92-11.02

(#) = Out of Range SPCC's out = 0 CCC's out = 0
KM14017.D MKM588.M Thu Oct 16 21:56:14 2025

Continuing Calibration Summary

Job Number: JE21194
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: GKM595-CC588
Lab FileID: KM14190.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\b...2025\gkm595\KM14190.D Vial: 11
Acq On : 16 Oct 2025 3:39 pm Operator: johnn
Sample : cc588-4000 Inst : HP G1530A
Misc : GC65388,GKM595,5.0,,,,1 Multiplr: 1.00
IntFile : AUTOINT1.E

Method : C:\msdchem\1\methods\MKM588.M (ChemStation Integrator)
Title : Method SW846 8015C (GRO) .
Last Update : Fri Oct 10 09:53:32 2025
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 H	TPH-GRO (C6-C10)	384.394	428.879 E3	-11.6	116	0.00	8.18-14.72
2 H	TPH-GRO (C6-C12)	330.393	388.605 E3	-17.6	127	0.00	8.70-15.84
3 S	a,a,a-Trifluorotoluene	794.230	789.850 E3	0.6	108	0.00	10.92-11.02

(#) = Out of Range SPCC's out = 0 CCC's out = 0
KM14016.D MKM588.M Thu Oct 16 21:56:37 2025

8.8.10

8

Continuing Calibration Summary

Job Number: JE21194
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: GKM595-CC588
Lab FileID: KM14197.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\adriana2\GKM595\KM14197.D Vial: 18
Acq On : 16 Oct 2025 7:36 pm Operator: johnn
Sample : cc588-8000 Inst : HP G1530A
Misc : GC65388,GKM595,5.0,,,,1 Multiplr: 1.00
IntFile : AUTOINT1.E

Method : C:\msdchem\1\dat...\GKM595\MKM588.M (ChemStation Integrator)
Title : Method SW846 8015C (GRO) .
Last Update : Fri Oct 10 09:53:32 2025
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 H	TPH-GRO (C6-C10)	384.394	446.123 E3	-16.1	128	0.00	8.18-14.72
2 H	TPH-GRO (C6-C12)	330.393	403.600 E3	-22.2#	138	0.00	8.70-15.84
3 S	a,a,a-Trifluorotoluene	794.230	834.127 E3	-5.0	111	0.00	10.92-11.02

(#) = Out of Range SPCC's out = 0 CCC's out = 0
KM14017.D MKM588.M Fri Oct 17 03:03:28 2025

8.8.11

8

Run Sequence Report

Job Number: JE21194
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Run ID: GAA3333	**Method:** RSK-175	**Instrument ID:** GCAA

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
GAA3333-IC3333	AA116752.D	07/25/25 13:55	n/a	Initial cal 10
GAA3333-IC3333	AA116753.D	07/25/25 14:13	n/a	Initial cal 20
GAA3333-ICC3333	AA116754.D	07/25/25 14:27	n/a	Initial cal 100
GAA3333-IC3333	AA116755.D	07/25/25 14:40	n/a	Initial cal 200
GAA3333-IC3333	AA116756.D	07/25/25 14:53	n/a	Initial cal 500
GAA3333-IC3333	AA116757.D	07/25/25 15:06	n/a	Initial cal 1000
GAA3333-IC3333	AA116759.D	07/25/25 15:46	n/a	Initial cal 1
GAA3333-IC3333	AA116760.D	07/25/25 15:59	n/a	Initial cal 2
GAA3333-ICV3333	AA116761.D	07/25/25 16:13	n/a	Initial cal verification 100

Run Sequence Report

Job Number: JE21194
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Run ID: GAA3397 **Method:** RSK-175 **Instrument ID:** GCAA

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
GAA3397-CC3333	AA118301.D	10/28/25 08:21	n/a	Continuing cal 100
GAA3397-MB	AA118303.D	10/28/25 09:11	n/a	Method Blank
ZZZZZZ	AA118304.D	10/28/25 09:25	n/a	(unrelated sample)
ZZZZZZ	AA118305.D	10/28/25 09:41	n/a	(unrelated sample)
ZZZZZZ	AA118306.D	10/28/25 09:54	n/a	(unrelated sample)
ZZZZZZ	AA118307.D	10/28/25 10:07	n/a	(unrelated sample)
JE21662-1	AA118308.D	10/28/25 10:20	n/a	(used for QC only; not part of job JE21194)
JE21662-1DUP	AA118309.D	10/28/25 10:33	n/a	Duplicate
JE21662-1	AA118310.D	10/28/25 10:46	n/a	(used for QC only; not part of job JE21194)
ZZZZZZ	AA118311.D	10/28/25 10:59	n/a	(unrelated sample)
ZZZZZZ	AA118312.D	10/28/25 11:12	n/a	(unrelated sample)
JE21194-1	AA118313.D	10/28/25 11:25	n/a	MW-EPA-10 10142025
JE21194-1	AA118314.D	10/28/25 11:38	n/a	MW-EPA-10 10142025
ZZZZZZ	AA118315.D	10/28/25 11:51	n/a	(unrelated sample)
GAA3397-CC3333	AA118316.D	10/28/25 13:02	n/a	Continuing cal 100
JE21351-18	AA118317.D	10/28/25 13:14	n/a	(used for QC only; not part of job JE21194)
JE21351-18DUP	AA118318.D	10/28/25 13:28	n/a	Duplicate
JE21351-18	AA118319.D	10/28/25 13:41	n/a	(used for QC only; not part of job JE21194)
ZZZZZZ	AA118320.D	10/28/25 14:00	n/a	(unrelated sample)
ZZZZZZ	AA118321.D	10/28/25 14:15	n/a	(unrelated sample)
ZZZZZZ	AA118322.D	10/28/25 14:30	n/a	(unrelated sample)
ZZZZZZ	AA118323.D	10/28/25 14:43	n/a	(unrelated sample)
ZZZZZZ	AA118324.D	10/28/25 15:08	n/a	(unrelated sample)
ZZZZZZ	AA118325.D	10/28/25 15:21	n/a	(unrelated sample)
ZZZZZZ	AA118326.D	10/28/25 15:35	n/a	(unrelated sample)
ZZZZZZ	AA118327.D	10/28/25 15:47	n/a	(unrelated sample)
GAA3397-LCS	AA118328.D	10/28/25 16:00	n/a	Laboratory Control Sample
GAA3397-CC3333	AA118329.D	10/28/25 16:13	n/a	Continuing cal 100

Run Sequence Report

Job Number: JE21194
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Run ID: GKM588	**Method:** SW846 8015D	**Instrument ID:** GCKM

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
GKM588-RT	KM14012.D	10/09/25 14:42	n/a	Retention Time Marker
GKM588-IC588	KM14014.D	10/09/25 15:58	n/a	Initial cal 200
GKM588-IC588	KM14015.D	10/09/25 16:23	n/a	Initial cal 800
GKM588-IC588	KM14016.D	10/09/25 16:49	n/a	Initial cal 4000
GKM588-ICC588	KM14017.D	10/09/25 17:15	n/a	Initial cal 8000
GKM588-IC588	KM14018.D	10/09/25 17:41	n/a	Initial cal 20000
GKM588-IC588	KM14019.D	10/09/25 18:06	n/a	Initial cal 30000
GKM588-ICV588	KM14025.D	10/09/25 20:38	n/a	Initial cal verification 8000

Run Sequence Report

Job Number: JE21194
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Run ID: GKM594 **Method:** SW846 8015D **Instrument ID:** GCKM

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
GKM594-RT	KM14163.D	10/15/25 11:05	n/a	Retention Time Marker
GKM594-CC588	KM14164.D	10/15/25 11:30	n/a	Continuing cal 4000
GKM594-MB	KM14165.D	10/15/25 12:35	n/a	Method Blank
GKM594-BS	KM14166.D	10/15/25 13:28	n/a	Blank Spike
JE21087-1	KM14167.D	10/15/25 14:42	n/a	(used for QC only; not part of job JE21194)
ZZZZZZ	KM14168.D	10/15/25 15:06	n/a	(unrelated sample)
ZZZZZZ	KM14169.D	10/15/25 15:31	n/a	(unrelated sample)
ZZZZZZ	KM14170.D	10/15/25 15:55	n/a	(unrelated sample)
ZZZZZZ	KM14171.D	10/15/25 16:19	n/a	(unrelated sample)
JE21087-1MS	KM14172.D	10/15/25 16:57	n/a	Matrix Spike
JE21087-1MSD	KM14173.D	10/15/25 17:21	n/a	Matrix Spike Duplicate
GKM594-CC588	KM14174.D	10/15/25 17:45	n/a	Continuing cal 8000
GKM594-MB2	KM14176.D	10/15/25 18:34	n/a	Method Blank
ZZZZZZ	KM14177.D	10/15/25 18:58	n/a	(unrelated sample)
ZZZZZZ	KM14178.D	10/15/25 19:22	n/a	(unrelated sample)
GKM594-CC588	KM14179.D	10/15/25 19:47	n/a	Continuing cal 4000

Run Sequence Report

Job Number: JE21194
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Run ID: GKM595 **Method:** SW846 8015D **Instrument ID:** GCKM

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
GKM595-RT	KM14182.D	10/16/25 10:53	n/a	Retention Time Marker
GKM595-CC588	KM14183.D	10/16/25 11:17	n/a	Continuing cal 8000
GKM595-MB	KM14184.D	10/16/25 12:03	n/a	Method Blank
GKM595-BS	KM14185.D	10/16/25 12:45	n/a	Blank Spike
ZZZZZZ	KM14186.D	10/16/25 13:21	n/a	(unrelated sample)
ZZZZZZ	KM14187.D	10/16/25 13:45	n/a	(unrelated sample)
JE21115-1	KM14188.D	10/16/25 14:09	n/a	(used for QC only; not part of job JE21194)
JE21194-1	KM14189.D	10/16/25 15:07	n/a	MW-EPA-10 10142025
GKM595-CC588	KM14190.D	10/16/25 15:39	n/a	Continuing cal 4000
GKM595-MB2	KM14191.D	10/16/25 16:46	n/a	Method Blank
JE21194-1DUP	KM14192.D	10/16/25 17:35	n/a	Duplicate
ZZZZZZ	KM14193.D	10/16/25 17:59	n/a	(unrelated sample)
ZZZZZZ	KM14194.D	10/16/25 18:24	n/a	(unrelated sample)
ZZZZZZ	KM14195.D	10/16/25 18:48	n/a	(unrelated sample)
JE21115-1MS	KM14196.D	10/16/25 19:12	n/a	Matrix Spike
GKM595-CC588	KM14197.D	10/16/25 19:36	n/a	Continuing cal 8000

GC Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\braianc\2025\10. October\16102025\gkm595\
Data File : KM14189.D
Signal(s) : FID1A.CH
Acq On : 16 Oct 2025 3:07 pm
Operator : johnn
Sample : je21194-1
Misc : GC65388,GKM595,5.0,,,,1
ALS Vial : 10 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 16 21:54:05 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) S a,a,a-Trifluorotoluene	10.979	210867045	265.499 ug/l
Spiked Amount 300.000	Range 70 - 116	Recovery = 88.50%	
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

9.1.1

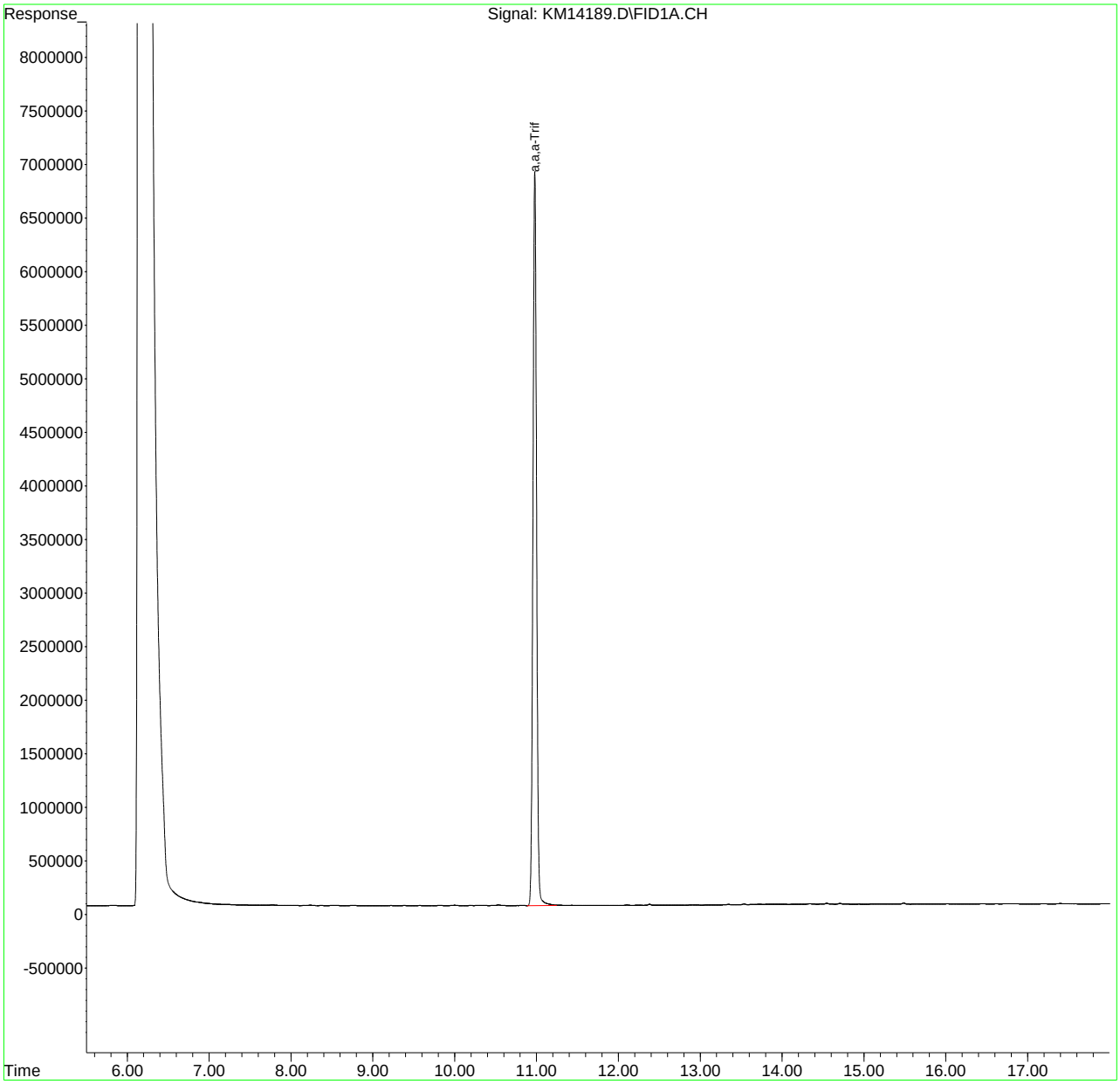
9

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\braianc\2025\10. October\16102025\gkm595\
Data File : KM14189.D
Signal(s) : FID1A.CH
Acq On : 16 Oct 2025 3:07 pm
Operator : johnn
Sample : je21194-1
Misc : GC65388,GKM595,5.0,,,,1
ALS Vial : 10 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 16 21:54:05 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 10/28/25 18:50

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118313.d
Signal(s) : FID1A.ch
Acq On : 28 Oct 2025 11:25 am
Operator : williamc
Sample : je21194-1
Misc : GC65392,GAA3397,,,,,1
ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 28 15:12:59 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	1.336	427308990	26069.110	PPMV
2)	Ethane	1.738	229468	7.392	PPMV m
3)	Ethene	2.410	7295	0.234	PPMV m

(f)=RT Delta > 1/2 Window (m)=manual int.

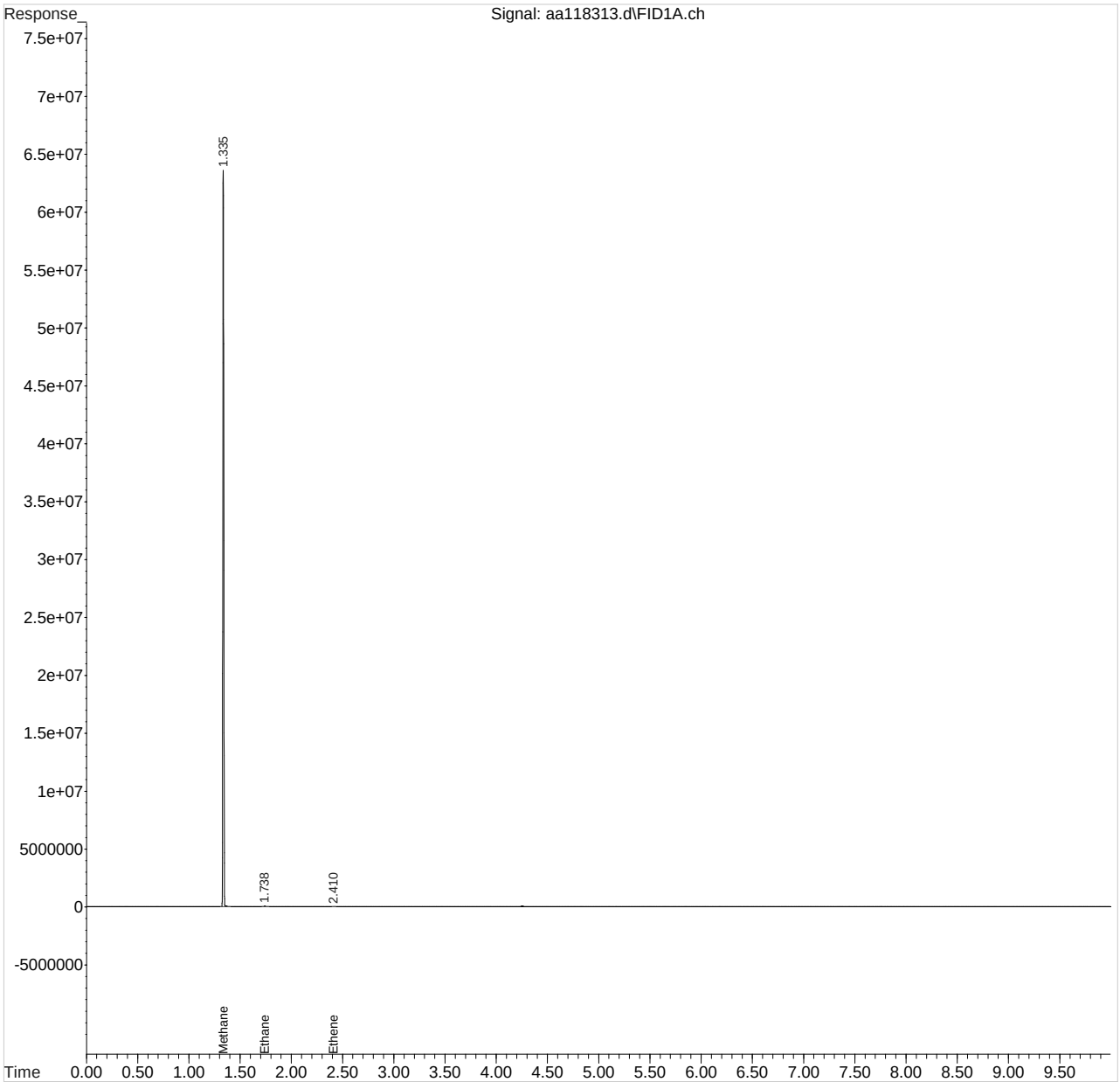
9.1.2
9

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118313.d
Signal(s) : FID1A.ch
Acq On : 28 Oct 2025 11:25 am
Operator : williamc
Sample : je21194-1
Misc : GC65392,GAA3397,,,,,1
ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 28 15:12:59 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



Manual Integration Approval Summary

Sample Number: JE21194-1
Lab FileID: AA118313.D
Injection Time: 10/28/25 11:25

Method: RSK-175
Analyst approved: 10/28/25 16:39 William Cruser
Supervisor approved: 10/28/25 18:50 Kanya Veerawat

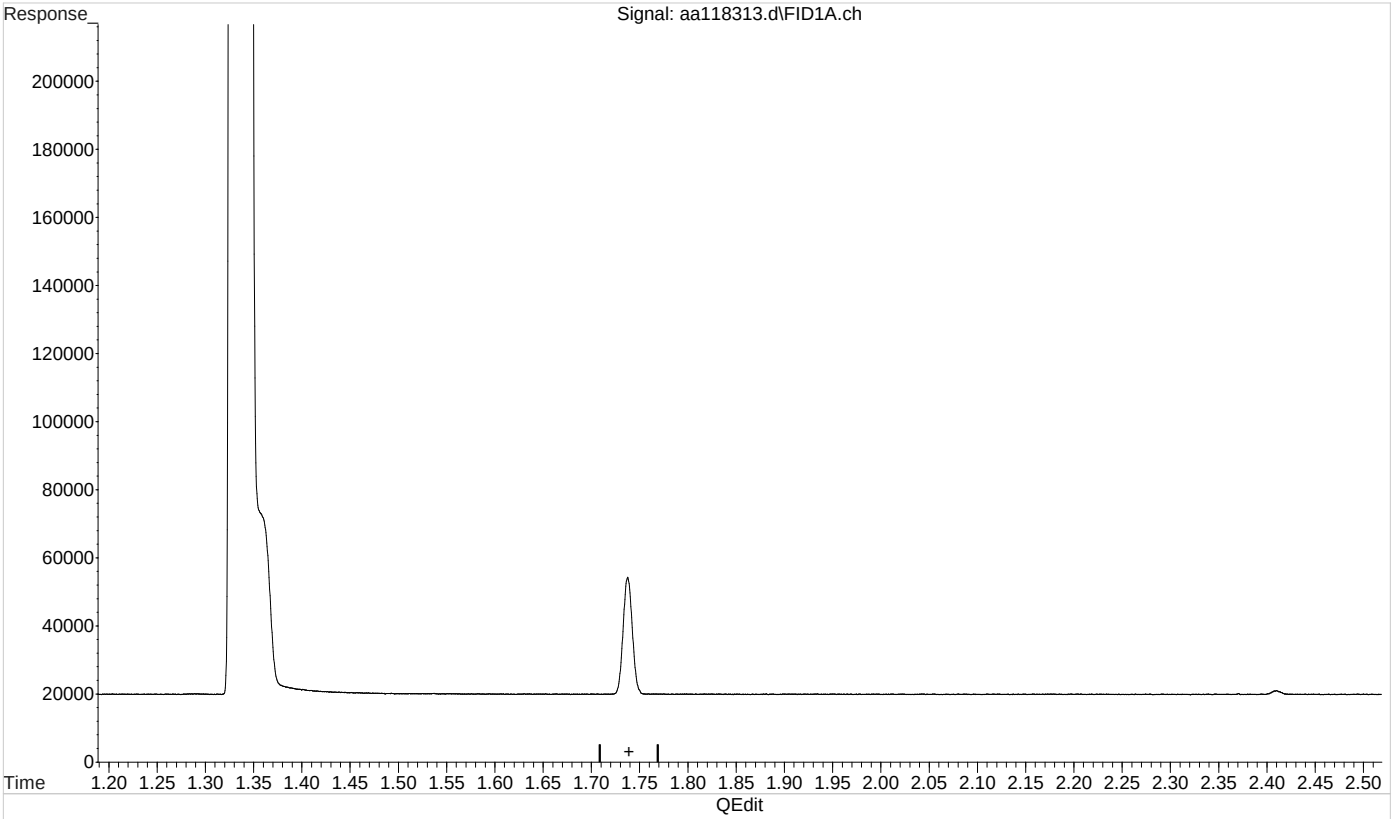
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethane	74-84-0	1	1.74	Missed peak
Ethene	74-85-1	1	2.41	Missed peak

Quantitation Report (Qedit)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118313.d
Signal(s) : FID1A.ch
Acq On : 28 Oct 2025 11:25 am
Operator : williamc
Sample : je21194-1
Misc : GC65392,GAA3397,,,,,1
ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 28 11:35:39 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



(2) Ethane

1.739min 0.000PPMV

response 0

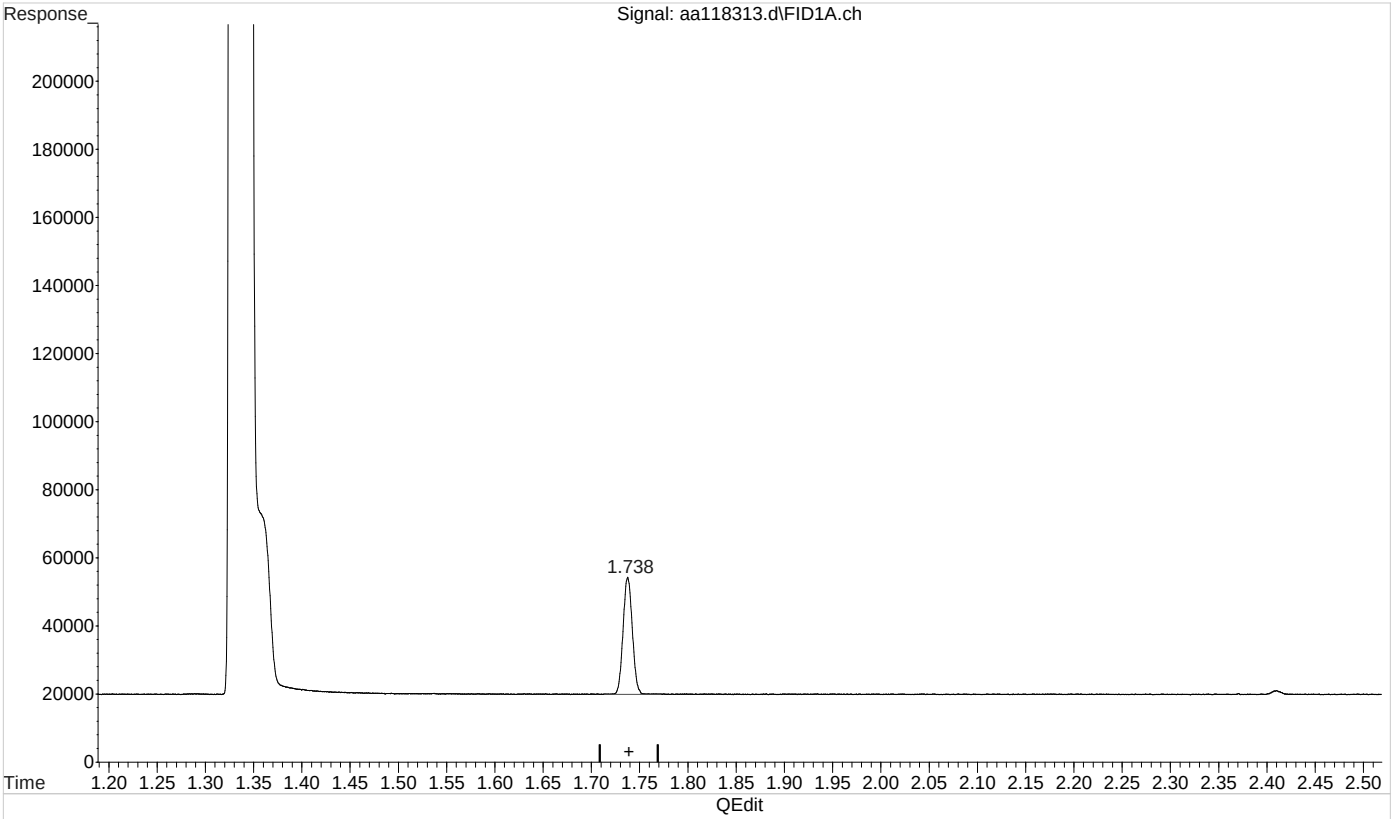
(+) = Expected Retention Time
MAA3333.M Tue Oct 28 15:12:43 2025 AA

Quantitation Report (Qedit)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118313.d
Signal(s) : FID1A.ch
Acq On : 28 Oct 2025 11:25 am
Operator : williamc
Sample : je21194-1
Misc : GC65392,GAA3397,,,,,1
ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 28 11:35:39 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



(2) Ethane

1.738min 7.392PPMV m

response 229468

(+) = Expected Retention Time

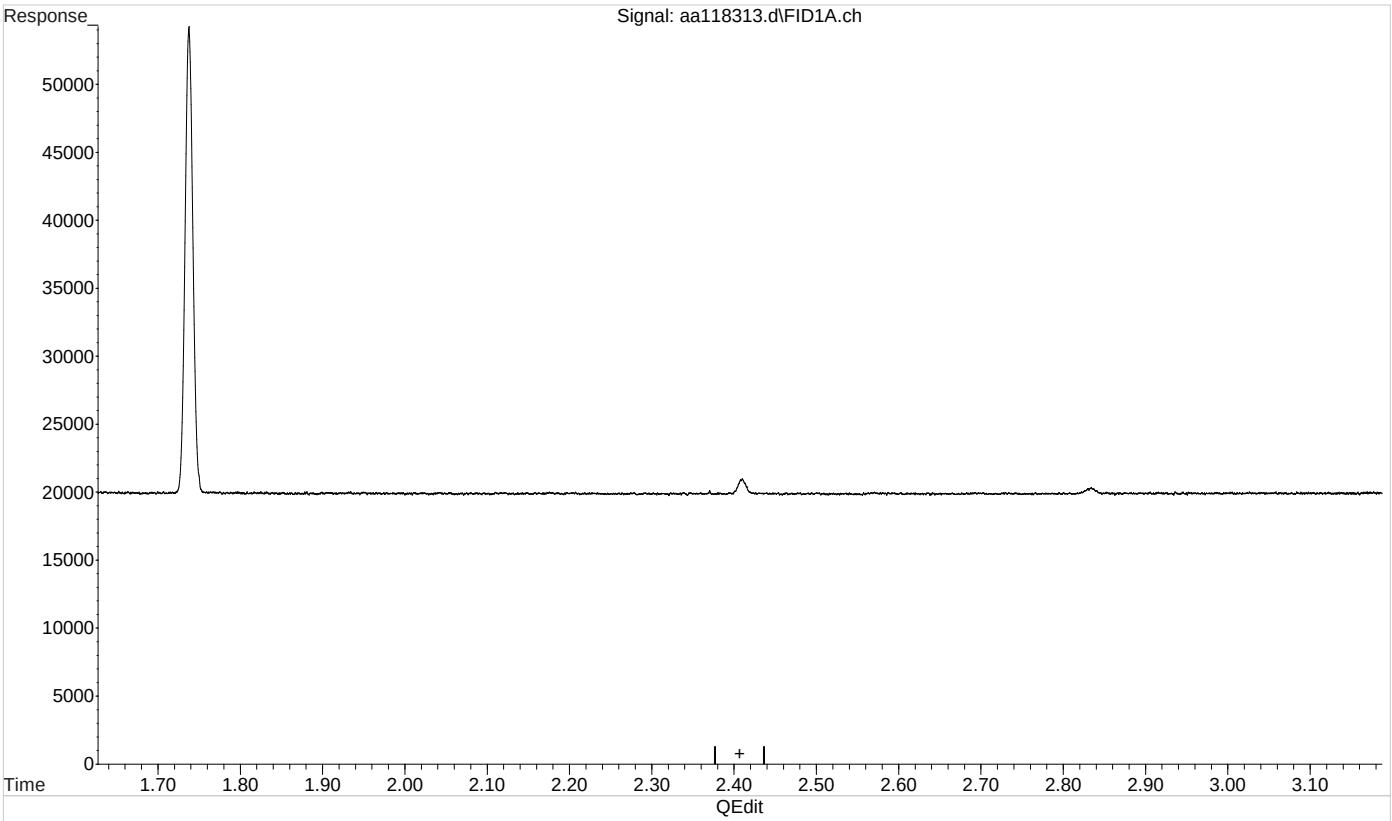
MAA3333.M Tue Oct 28 15:12:48 2025 AA

Quantitation Report (Qedit)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118313.d
Signal(s) : FID1A.ch
Acq On : 28 Oct 2025 11:25 am
Operator : williamc
Sample : je21194-1
Misc : GC65392,GAA3397,,,,,1
ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 28 11:35:39 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



(3) Ethene

2.407min 0.000PPMV

response 0

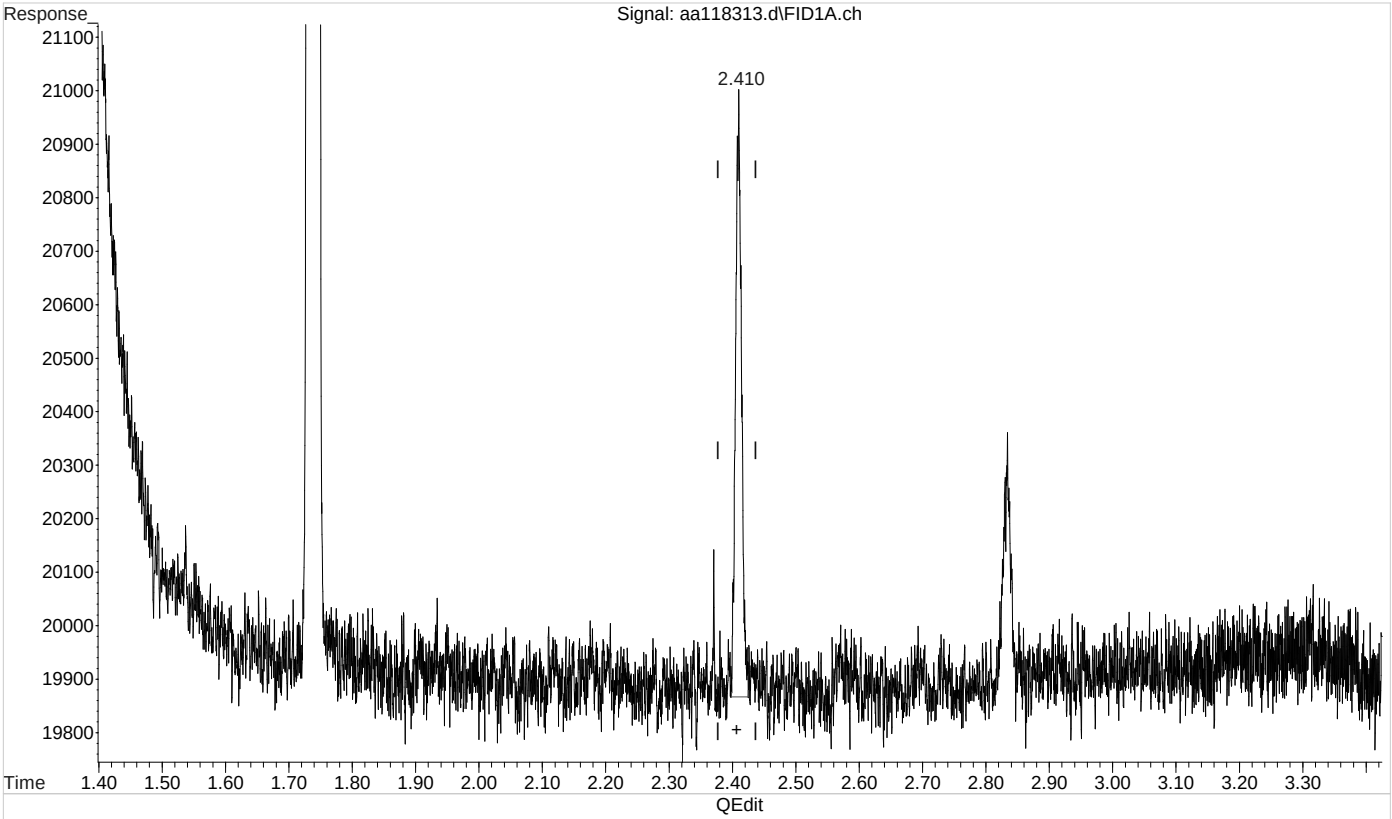
(+) = Expected Retention Time
MAA3333.M Tue Oct 28 15:12:54 2025 AA

Quantitation Report (Qedit)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118313.d
Signal(s) : FID1A.ch
Acq On : 28 Oct 2025 11:25 am
Operator : williamc
Sample : je21194-1
Misc : GC65392,GAA3397,,,,,1
ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 28 11:35:39 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



(3) Ethene

2.410min 0.234PPMV m

response 7295

(+) = Expected Retention Time
MAA3333.M Tue Oct 28 15:13:03 2025 AA

Dissolved Gas Calculation Worksheet

Data File Name **aa118313.d**
Date Acquired **10/28/2025 11:25**
Sample Name **je21194-1**
Sample Multiplier **1**
Temperature(C) **24**
Headspace Vol. (cc) **5**
Sample Vol(cc) **38**

Compound	MW	Molar Volume(L)	Water g-moles/L	Temp K	Corrected Gas dens.	Peak Area	Helium Blank	Headspace (ppmv)*	Headspace (ug/l)	Water (ug/l)	Henry's Constant	Saturation Conc.(ug/l)	Total (ug/L)	MDL (ug/l)	Report (ug/l)
METHANE	16	22.4	55.5	297	24.37	4.3E+008	3744	26068.88	17115.93	2252.10	40560	570.739	2822.84	0.08	**2822.84**
ETHANE	30	22.4	55.5	297	24.37	229468	0	7.39	9.10	1.20	29420	0.418	1.616	0.14	**1.616**
ETHYLENE	28	22.4	55.5	297	24.29	7295.251	0	0.23	0.27	0.04	11160	0.033	0.068	0.16	**ND**
PROPANE	44	22.4	55.5	297	24.29	0	0	#DIV/0!	#DIV/0!	#DIV/0!	35857	#DIV/0!	#DIV/0!	0.07	**#DIV/0!**

*** ppmv is corrected for helium blank background peak area**

Definitions,

Molar Volume	**The volume of 1 mole of any gas at standard temperature and pressure(STP)**
Water g/Moles	**1 Liter of water is equal to 55.5g-moles**
Temp-kelvin	**Is defined as 273 + degress C**
Corrected Gas Density	**Gas density corrected for temperature is equal to (molar volume) x (temp-k/273)**
Headspace conc(ug/l)	**Is equal to (ppmv reading) x (mw/corrected gas density)**
Water Concentration(ug/l)	**Is equal to headspace conc(ug/l) x headspace vol/sample vol**
Saturation Concentration(ug/l)	**Gas which remains at equilibrium in the sample is equal to (headspace conc-ppm) x (mw) x (55.5)/(Henry's Constant)**

Henry's Constants

temp-c	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43460	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Oxygen	40100	40840	41580	42320	43060	43800	44540	45280	46020	46760	47500
CO	52600	53680	54760	55840	56920	58000	58800	59600	60400	61200	62000
CO2	14200	14640	15080	15520	15960	16400	16840	17280	17720	18160	18600
Nitrogen	80400	81620	82840	84060	85280	86500	87680	88860	90040	91220	92400
Hydrogen	68300	68780	69260	69740	70220	70700	71140	71580	72020	72460	72900
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118314.d
Signal(s) : FID1A.ch
Acq On : 28 Oct 2025 11:38 am
Operator : williamc
Sample : je21194-1
Misc : GC65392,GAA3397,,,,,50
ALS Vial : 14 Sample Multiplier: 50

Integration File: autoint1.e
Quant Time: Oct 28 11:48:22 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	1.339	10330463	31511.854	PPMV

(f)=RT Delta > 1/2 Window (m)=manual int.

9.1.4

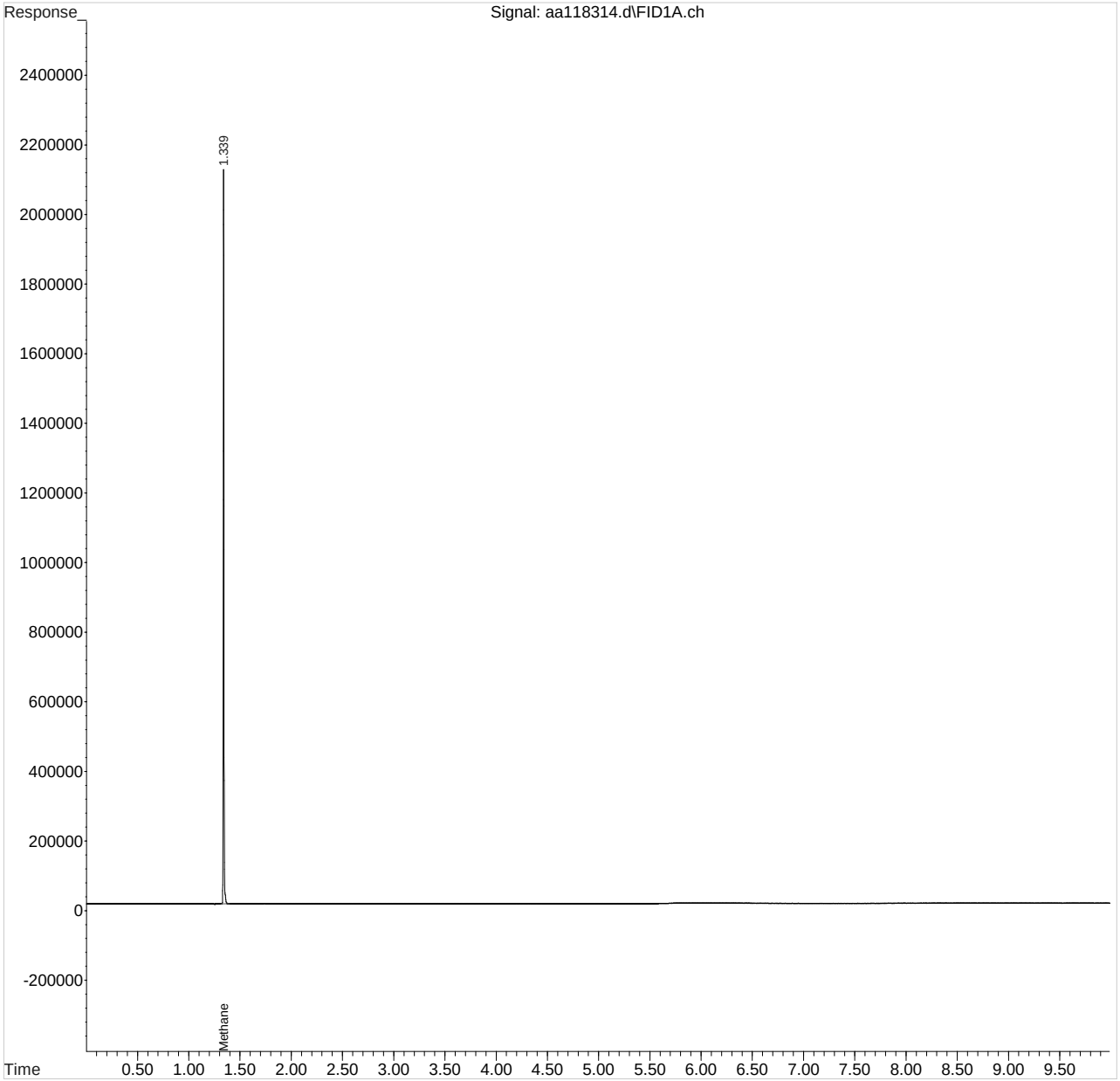
9

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118314.d
Signal(s) : FID1A.ch
Acq On : 28 Oct 2025 11:38 am
Operator : williamc
Sample : je21194-1
Misc : GC65392,GAA3397,,,,,50
ALS Vial : 14 Sample Multiplier: 50

Integration File: autoint1.e
Quant Time: Oct 28 11:48:22 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



Dissolved Gas Calculation Worksheet

Data File Name **aa118314.d**
Date Acquired **10/28/2025 11:38**
Sample Name **je21194-1**
Sample Multiplier **50**
Temperature(C) **24**
Headspace Vol. (cc) **5**
Sample Vol(cc) **38**

Compound	MW	Molar Volume(L)	Water g-moles/L	Temp K	Corrected Gas dens.	Peak Area	Helium Blank	Headspace (ppmv)*	Headspace (ug/l)	Water (ug/l)	Henry's Constant	Saturation Conc.(ug/l)	Total (ug/L)	MDL (ug/l)	Report (ug/l)
METHANE	16	22.4	55.5	297	24.37	10330463	3744	31500.43	20682.10	2721.33	40560	689.654	3410.98	4.00	**3410.98**
ETHANE	30	22.4	55.5	297	24.37	0	0	#DIV/0!	#DIV/0!	#DIV/0!	29420	#DIV/0!	#DIV/0!	7.00	**#DIV/0!**
ETHYLENE	28	22.4	55.5	297	24.29	0	0	#DIV/0!	#DIV/0!	#DIV/0!	11160	#DIV/0!	#DIV/0!	8.00	**#DIV/0!**
PROPANE	44	22.4	55.5	297	24.29	0	0	#DIV/0!	#DIV/0!	#DIV/0!	35857	#DIV/0!	#DIV/0!	3.50	**#DIV/0!**

*** ppmv is corrected for helium blank background peak area**

Definitions,

Molar Volume	The volume of 1 mole of any gas at standard temperature and pressure(STP)
Water g/Moles	1 Liter of water is equal to 55.5g-moles
Temp-kelvin	Is defined as 273 + degress C
Corrected Gas Density	Gas density corrected for temperature is equal to (molar volume) x (temp-k/273)
Headspace conc(ug/l)	Is equal to (ppmv reading) x (mw/corrected gas density)
Water Concentration(ug/l)	Is equal to headspace conc(ug/l) x headspace vol/sample vol
Saturation Concentration(ug/l)	Gas which remains at equilibrium in the sample is equal to (headspace conc-ppm) x (mw) x (55.5)/(Henry's Constant)

Henry's Constants

temp-c	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43460	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Oxygen	40100	40840	41580	42320	43060	43800	44540	45280	46020	46760	47500
CO	52600	53680	54760	55840	56920	58000	58800	59600	60400	61200	62000
CO2	14200	14640	15080	15520	15960	16400	16840	17280	17720	18160	18600
Nitrogen	80400	81620	82840	84060	85280	86500	87680	88860	90040	91220	92400
Hydrogen	68300	68780	69260	69740	70220	70700	71140	71580	72020	72460	72900
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\braianc\2025\10. October\16102025\gkm595\
Data File : KM14184.D
Signal(s) : FID1A.CH
Acq On : 16 Oct 2025 12:03 pm
Operator : johnn
Sample : mb
Misc : GC65381,GKM595,5.0,,,,1
ALS Vial : 5 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 16 21:53:28 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) S a,a,a-Trifluorotoluene	10.978	209678628	264.002 ug/l
Spiked Amount 300.000	Range 70 - 116	Recovery = 88.00%	
Target Compounds			
2) H TPH-GRO (C6-C12)	10.970	41207712	124.723 ug/l

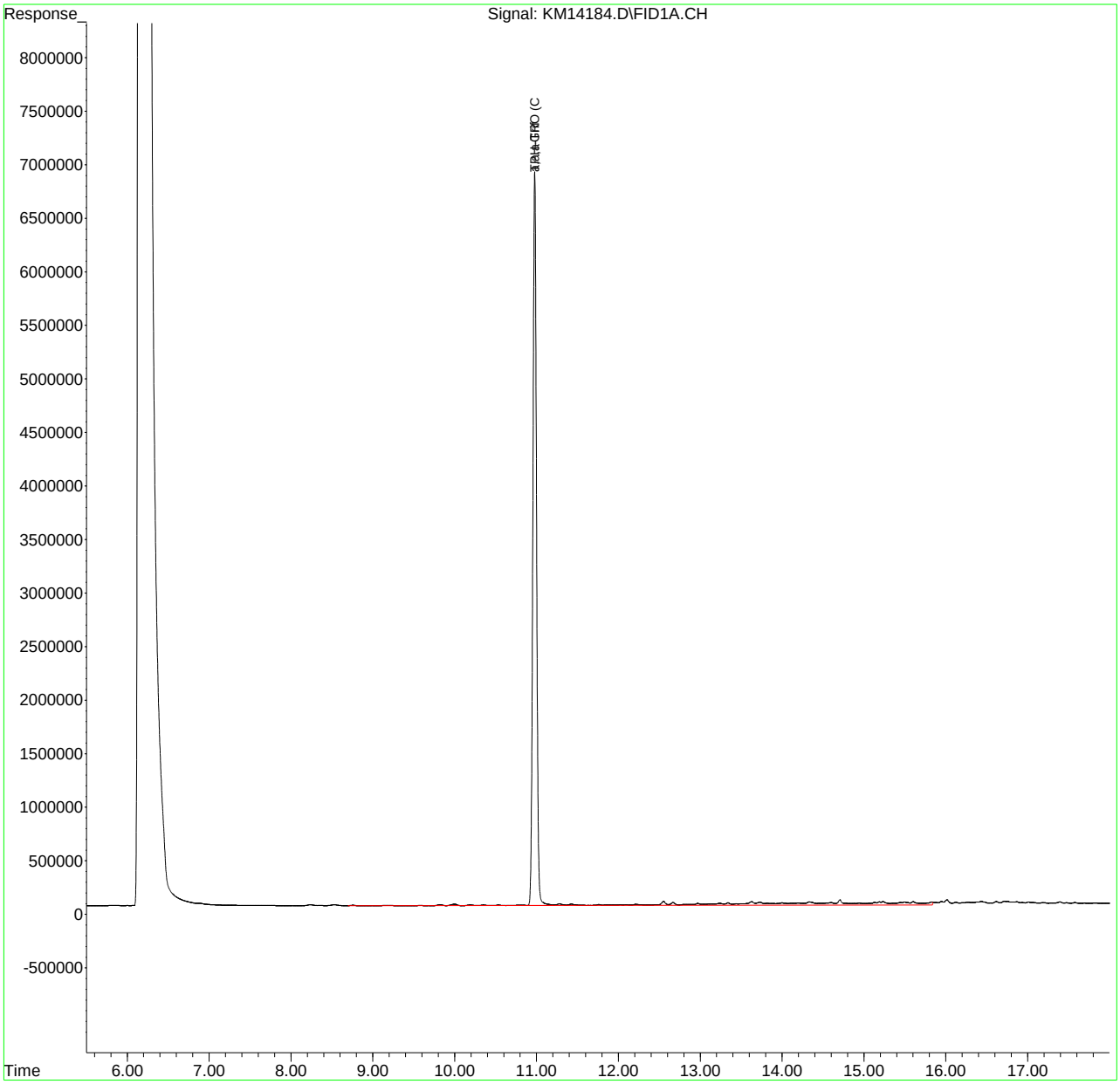
(f)=RT Delta > 1/2 Window (m)=manual int.

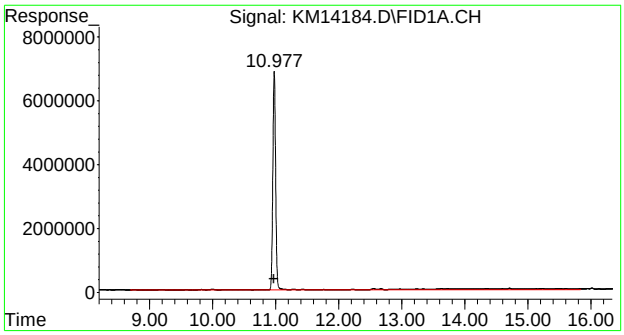
Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\braianc\2025\10. October\16102025\gkm595\
Data File : KM14184.D
Signal(s) : FID1A.CH
Acq On : 16 Oct 2025 12:03 pm
Operator : johnn
Sample : mb
Misc : GC65381,GKM595,5.0,,,,1
ALS Vial : 5 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 16 21:53:28 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um





#2 TPH-GRO (C6-C12)

R.T.:	10.970 min
Delta R.T.:	0.000 min
Response:	41207712
Conc:	124.72 ug/l

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\braianc\2025\10. October\16102025\gkm595\
Data File : KM14191.D
Signal(s) : FID1A.CH
Acq On : 16 Oct 2025 4:46 pm
Operator : johnn
Sample : mb2
Misc : GC65388,GKM595,5.0,,,,1
ALS Vial : 12 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 16 21:54:39 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) S a,a,a-Trifluorotoluene	10.977	213950583	269.381 ug/l
Spiked Amount 300.000	Range 70 - 116	Recovery = 89.79%	
Target Compounds			
2) H TPH-GRO (C6-C12)	10.970	34645735	104.862 ug/l

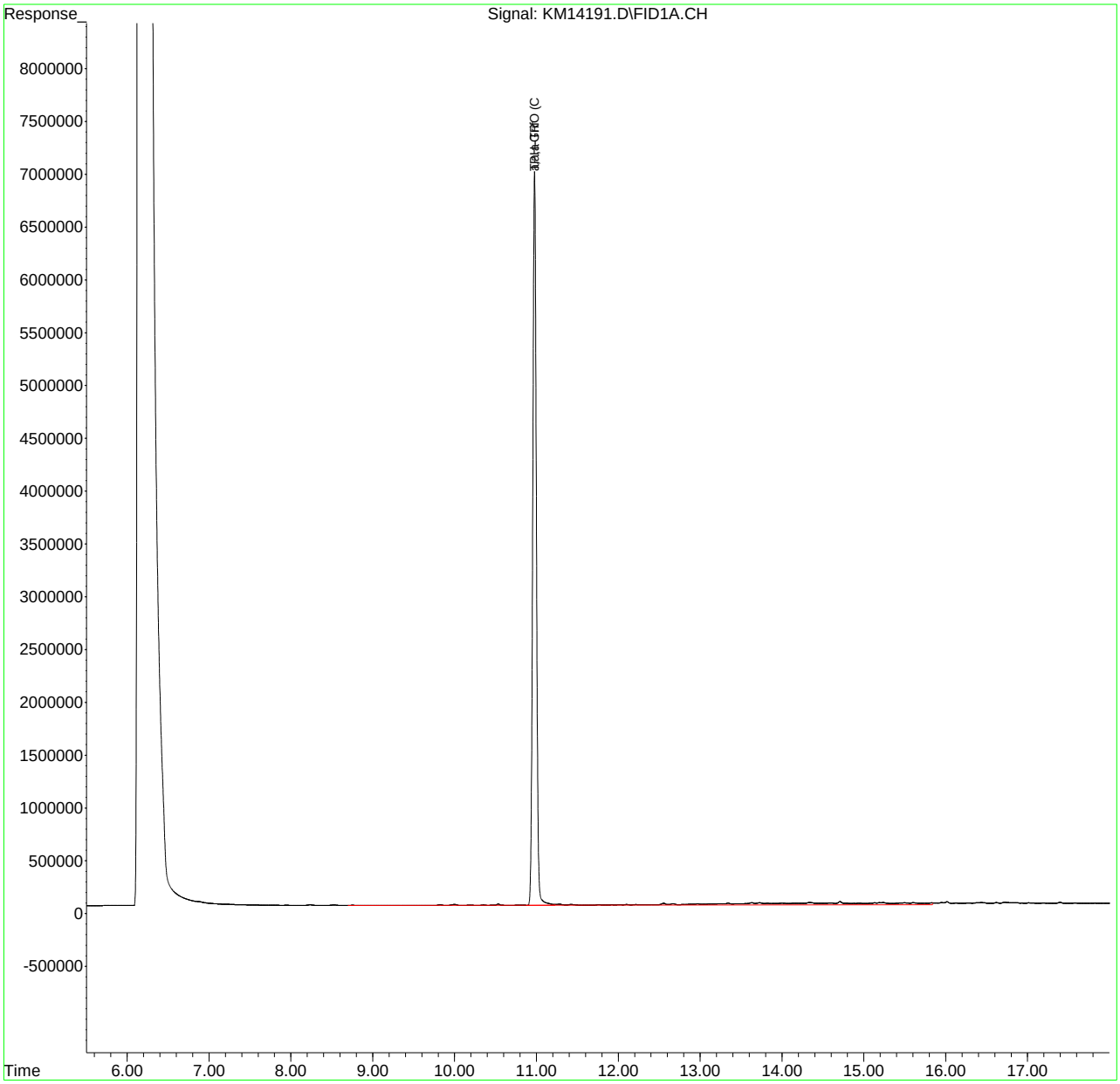
(f)=RT Delta > 1/2 Window (m)=manual int.

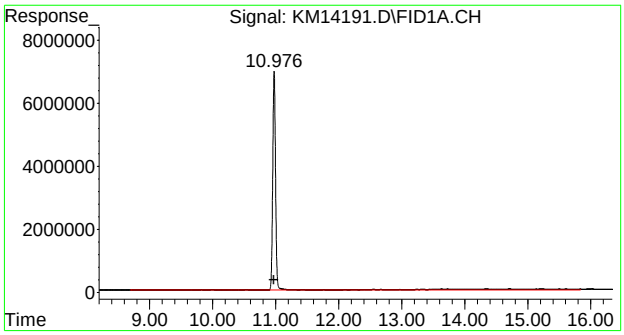
Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\braianc\2025\10. October\16102025\gkm595\
Data File : KM14191.D
Signal(s) : FID1A.CH
Acq On : 16 Oct 2025 4:46 pm
Operator : johnn
Sample : mb2
Misc : GC65388,GKM595,5.0,,,,1
ALS Vial : 12 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 16 21:54:39 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um





#2 TPH-GRO (C6-C12)

R.T.:	10.970 min
Delta R.T.:	0.000 min
Response:	34645735
Conc:	104.86 ug/l

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 10/28/25 18:20

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118303.d
Signal(s) : FID1A.ch
Acq On : 28 Oct 2025 9:11 am
Operator : williamc
Sample : mb
Misc : GC65419,GAA3397,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 28 09:24:09 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df

	Compound	R.T.	Response	Conc Units
Target Compounds				
1)	Methane	1.332	3101	0.189 PPMV m

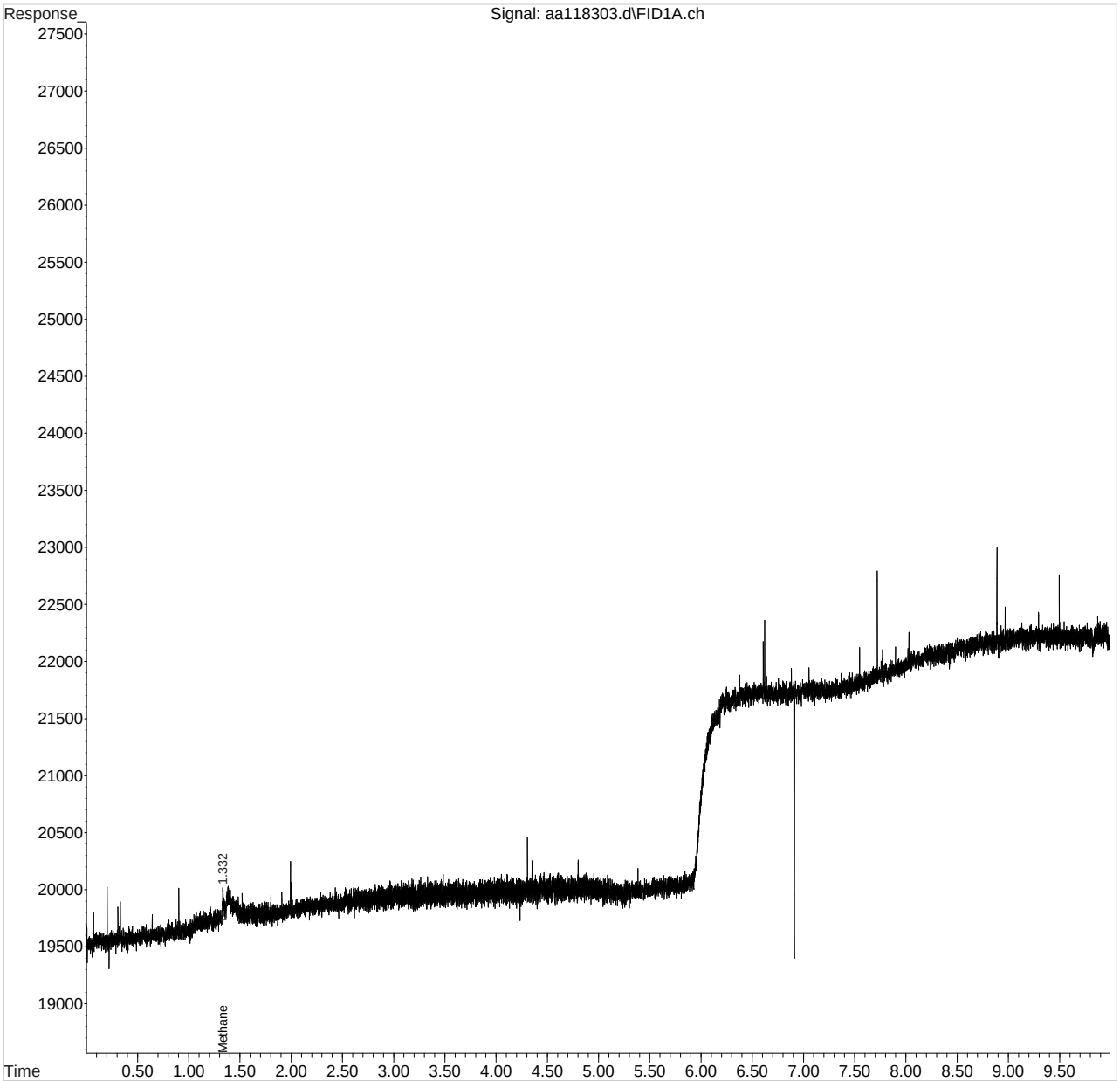
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118303.d
Signal(s) : FID1A.ch
Acq On : 28 Oct 2025 9:11 am
Operator : williamc
Sample : mb
Misc : GC65419,GAA3397,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 28 09:24:09 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



Manual Integration Approval Summary

Sample Number: GAA3397-MB
Lab FileID: AA118303.D
Injection Time: 10/28/25 09:11
Method: RSK-175
Analyst approved: 10/28/25 16:39 William Cruser
Supervisor approved: 10/28/25 18:20 Kanya Veerawat

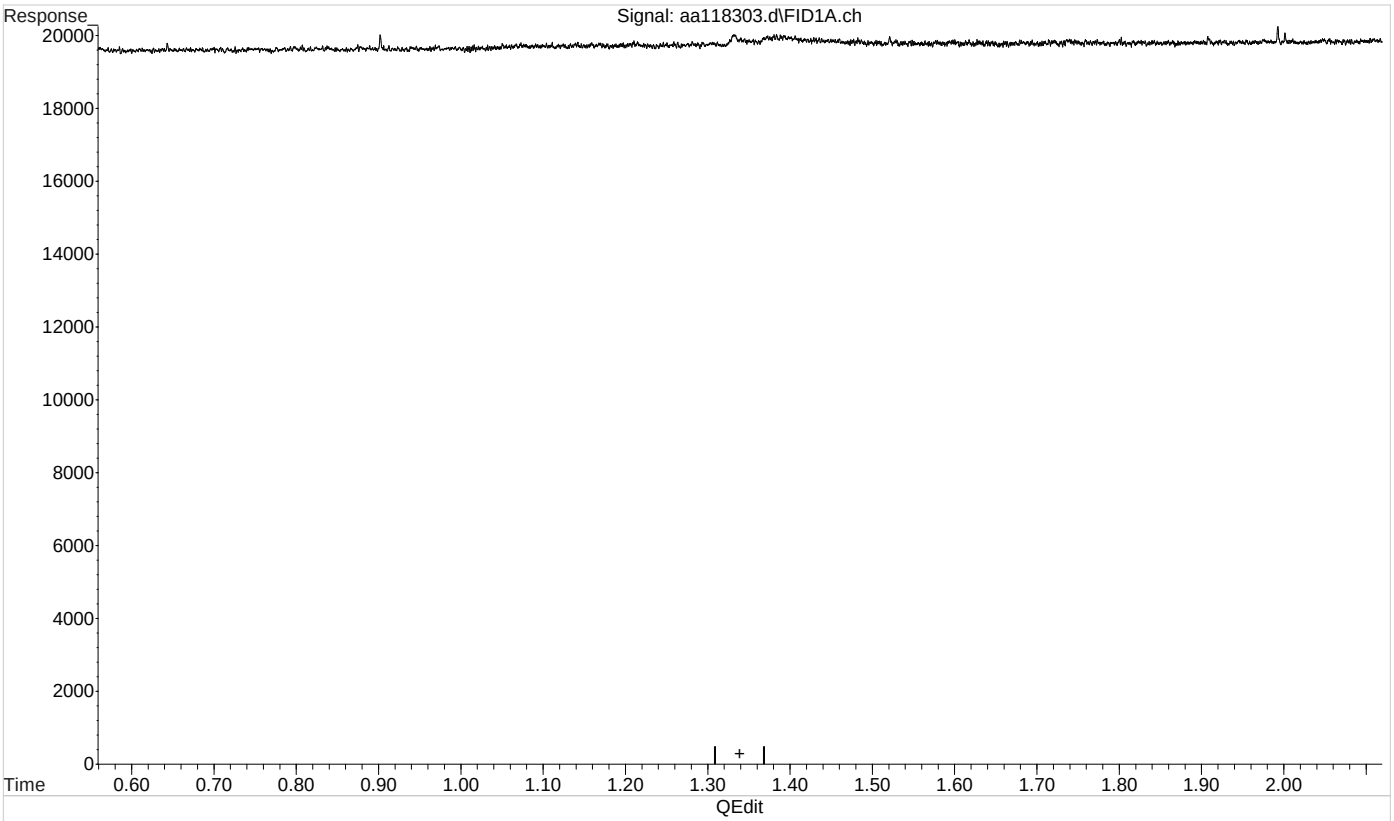
Parameter	CAS	Sig#	R.T. (min.)	Reason
Methane	74-82-8	1	1.33	Missed peak

Quantitation Report (Qedit)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118303.d
Signal(s) : FID1A.ch
Acq On : 28 Oct 2025 9:11 am
Operator : williamc
Sample : mb
Misc : GC65419,GAA3397,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 28 09:21:48 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



(1) Methane

1.339min 0.000PPMV

response 0

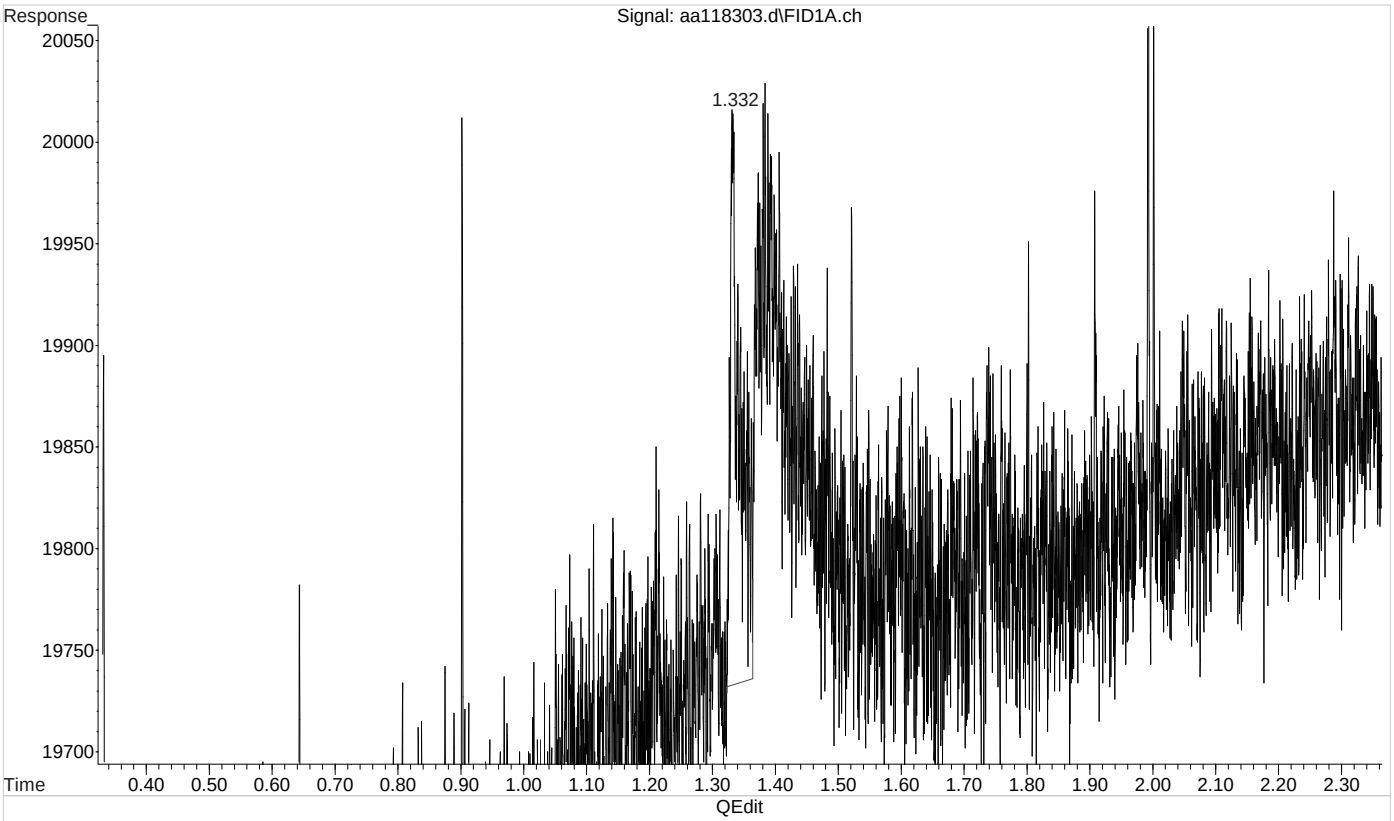
(+) = Expected Retention Time
MAA3333.M Tue Oct 28 09:24:04 2025 AA

Quantitation Report (Qedit)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118303.d
Signal(s) : FID1A.ch
Acq On : 28 Oct 2025 9:11 am
Operator : williamc
Sample : mb
Misc : GC65419,GAA3397,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 28 09:21:48 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



(1) Methane

1.332min 0.189PPMV m

response 3101

(+) = Expected Retention Time
MAA3333.M Tue Oct 28 09:24:13 2025 AA

Dissolved Gas Calculation Worksheet

Data File Name **aa118303.d**
Date Acquired **10/28/2025 9:11**
Sample Name **mb**
Sample Multiplier **1**
Temperature(C) **24**
Headspace Vol. (cc) **5**
Sample Vol(cc) **38**

Compound	MW	Molar Volume(L)	Water g-moles/L	Temp K	Corrected Gas dens.	Peak Area	Helium Blank	Headspace (ppmv)*	Headspace (ug/l)	Water (ug/l)	Henry's Constant	Saturation Conc.(ug/l)	Total (ug/L)	MDL (ug/l)	Report (ug/l)
METHANE	16	22.4	55.5	297	24.37	3101.11	3744	-0.04	-0.03	0.00	40560	-0.001	0.00	0.08	**ND**
ETHANE	30	22.4	55.5	297	24.37	0	0	#DIV/0!	#DIV/0!	#DIV/0!	29420	#DIV/0!	#DIV/0!	0.14	**#DIV/0!**
ETHYLENE	28	22.4	55.5	297	24.29	0	0	#DIV/0!	#DIV/0!	#DIV/0!	11160	#DIV/0!	#DIV/0!	0.16	**#DIV/0!**
PROPANE	44	22.4	55.5	297	24.29	0	0	#DIV/0!	#DIV/0!	#DIV/0!	35857	#DIV/0!	#DIV/0!	0.07	**#DIV/0!**

*** ppmv is corrected for helium blank background peak area**

Definitions,

Molar Volume	The volume of 1 mole of any gas at standard temperature and pressure(STP)
Water g/Moles	1 Liter of water is equal to 55.5g-moles
Temp-kelvin	Is defined as 273 + degress C
Corrected Gas Density	Gas density corrected for temperature is equal to (molar volume) x (temp-k/273)
Headspace conc(ug/l)	Is equal to (ppmv reading) x (mw/corrected gas density)
Water Concentration(ug/l)	Is equal to headspace conc(ug/l) x headspace vol/sample vol
Saturation Concentration(ug/l)	Gas which remains at equilibrium in the sample is equal to (headspace conc-ppm) x (mw) x (55.5)/(Henry's Constant)

Henry's Constants

temp-c	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43460	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Oxygen	40100	40840	41580	42320	43060	43800	44540	45280	46020	46760	47500
CO	52600	53680	54760	55840	56920	58000	58800	59600	60400	61200	62000
CO2	14200	14640	15080	15520	15960	16400	16840	17280	17720	18160	18600
Nitrogen	80400	81620	82840	84060	85280	86500	87680	88860	90040	91220	92400
Hydrogen	68300	68780	69260	69740	70220	70700	71140	71580	72020	72460	72900
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\braianc\2025\10. October\16102025\gkm595\
Data File : KM14185.D
Signal(s) : FID1A.CH
Acq On : 16 Oct 2025 12:45 pm
Operator : johnn
Sample : bs
Misc : GC65381,GKM595,5.0,,,,1
ALS Vial : 6 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 16 21:48:53 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) S a,a,a-Trifluorotoluene	10.977	234040587	294.676 ug/l
Spiked Amount 300.000	Range 70 - 116	Recovery = 98.23%	
Target Compounds			
1) H TPH-GRO (C6-C10)	10.970	3329097271	8660.643 ug/l
2) H TPH-GRO (C6-C12)	10.970	3200902341	9688.176 ug/l

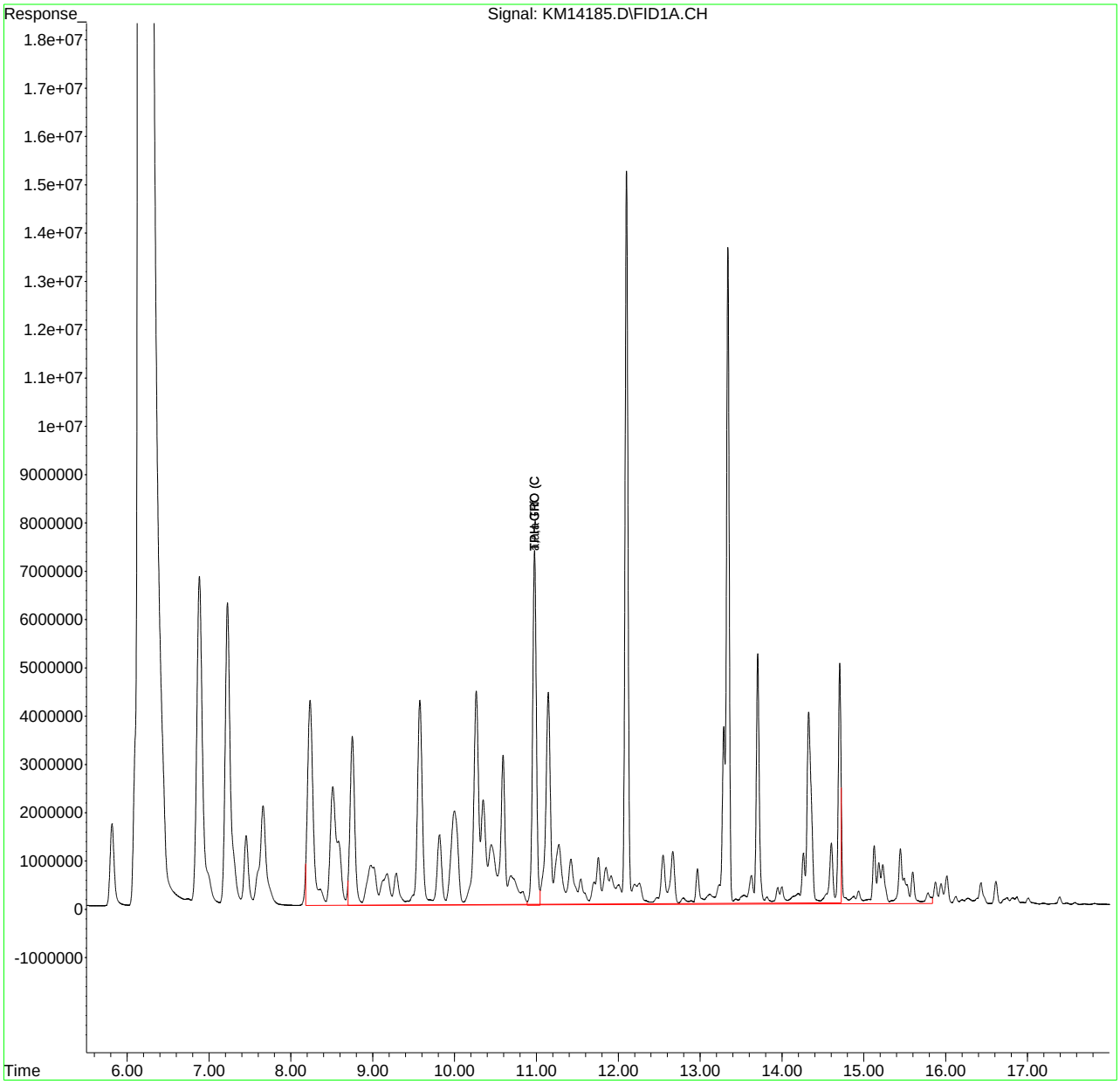
(f)=RT Delta > 1/2 Window (m)=manual int.

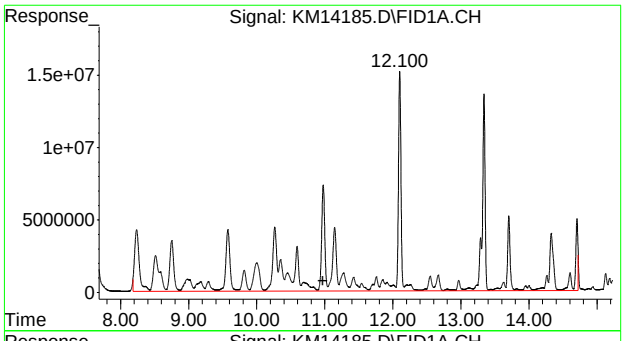
Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\braianc\2025\10. October\16102025\gkm595\
Data File : KM14185.D
Signal(s) : FID1A.CH
Acq On : 16 Oct 2025 12:45 pm
Operator : johnn
Sample : bs
Misc : GC65381,GKM595,5.0,,,,1
ALS Vial : 6 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 16 21:48:53 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

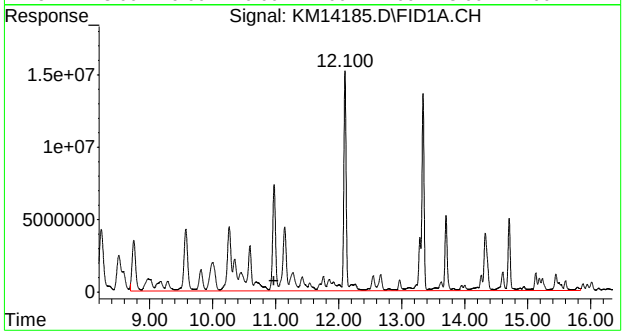
Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um





#1 TPH-GRO (C6-C10)

R.T.:	10.970 min
Delta R.T.:	0.000 min
Response:	3329097271
Conc:	8660.64 ug/l



#2 TPH-GRO (C6-C12)

R.T.:	10.970 min
Delta R.T.:	0.000 min
Response:	3200902341
Conc:	9688.18 ug/l

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118328.d
Signal(s) : FID1A.ch
Acq On : 28 Oct 2025 4:00 pm
Operator : williamc
Sample : lcs
Misc : GC65438,GAA3397,,,,,1
ALS Vial : 28 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 28 16:10:40 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df

	Compound	R.T.	Response	Conc Units
Target Compounds				
1)	Methane	1.341	1548645	94.479 PPMV
2)	Ethane	1.742	2964828	95.510 PPMV
3)	Ethene	2.415	2969323	95.051 PPMV
4)	Propane	2.843	4206409	88.548 PPMV

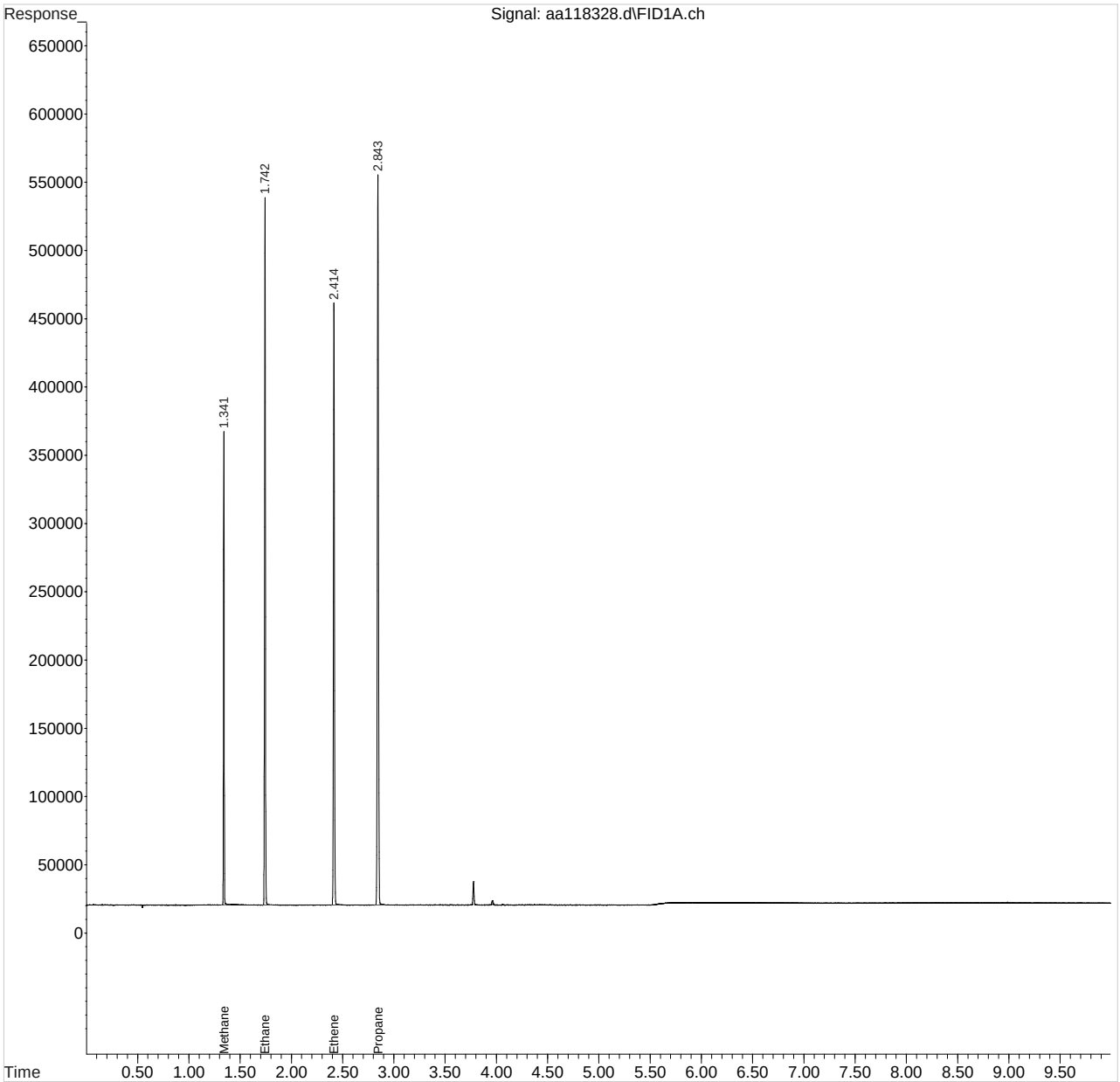
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118328.d
Signal(s) : FID1A.ch
Acq On : 28 Oct 2025 4:00 pm
Operator : williamc
Sample : lcs
Misc : GC65438,GAA3397,,,,,1
ALS Vial : 28 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 28 16:10:40 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



Dissolved Gas Calculation Worksheet

Data File Name **aa118328.d**
Date Acquired **10/28/2025 16:00**
Sample Name **lcs**
Sample Multiplier **1**
Temperature(C) **24**
Headspace Vol. (cc) **5**
Sample Vol(cc) **38**

Compound	MW	Molar Volume(L)	Water g-moles/L	Temp K	Corrected Gas dens.	Peak Area	Helium Blank	Headspace (ppmv)*	Headspace (ug/l)	Water (ug/l)	Henry's Constant	Saturation Conc.(ug/l)	Total (ug/L)	MDL (ug/l)	Report (ug/l)
METHANE	16	22.4	55.5	297	24.37	1548645	0	94.48	62.03	8.16	40560	2.068	10.23	0.08	**10.23**
ETHANE	30	22.4	55.5	297	24.37	2964828	0	95.51	117.58	15.47	29420	5.405	20.876	0.14	**20.876**
ETHYLENE	28	22.4	55.5	297	24.29	2969323	0	95.05	109.21	14.37	11160	13.236	27.606	0.16	**27.606**
PROPANE	44	22.4	55.5	297	24.29	4206409	0	88.55	159.88	21.04	35857	6.030	27.067	0.07	**27.067**

*** ppmv is corrected for helium blank background peak area**

Definitions,

Molar Volume	The volume of 1 mole of any gas at standard temperature and pressure(STP)
Water g/Moles	1 Liter of water is equal to 55.5g-moles
Temp-kelvin	Is defined as 273 + degress C
Corrected Gas Density	Gas density corrected for temperature is equal to (molar volume) x (temp-k/273)
Headspace conc(ug/l)	Is equal to (ppmv reading) x (mw/corrected gas density)
Water Concentration(ug/l)	Is equal to headspace conc(ug/l) x headspace vol/sample vol
Saturation Concentration(ug/l)	Gas which remains at equilibrium in the sample is equal to (headspace conc-ppm) x (mw) x (55.5)/(Henry's Constant)

Henry's Constants

temp-c	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43460	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Oxygen	40100	40840	41580	42320	43060	43800	44540	45280	46020	46760	47500
CO	52600	53680	54760	55840	56920	58000	58800	59600	60400	61200	62000
CO2	14200	14640	15080	15520	15960	16400	16840	17280	17720	18160	18600
Nitrogen	80400	81620	82840	84060	85280	86500	87680	88860	90040	91220	92400
Hydrogen	68300	68780	69260	69740	70220	70700	71140	71580	72020	72460	72900
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\adriana2\GKM595\
Data File : KM14196.D
Signal(s) : FID1A.CH
Acq On : 16 Oct 2025 7:12 pm
Operator : johnn
Sample : je21115-1ms
Misc : GC65388,GKM595,5.0,,,,1
ALS Vial : 17 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 17 02:58:10 2025
Quant Method : C:\msdchem\1\data\adriana2\GKM595\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) S a,a,a-Trifluorotoluene	10.977	237888060	299.520 ug/l
Spiked Amount 300.000	Range 70 - 116	Recovery = 99.84%	
Target Compounds			
1) H TPH-GRO (C6-C10)	10.970	3093257755	8047.107 ug/l
2) H TPH-GRO (C6-C12)	10.970	2769363915	8382.038 ug/l

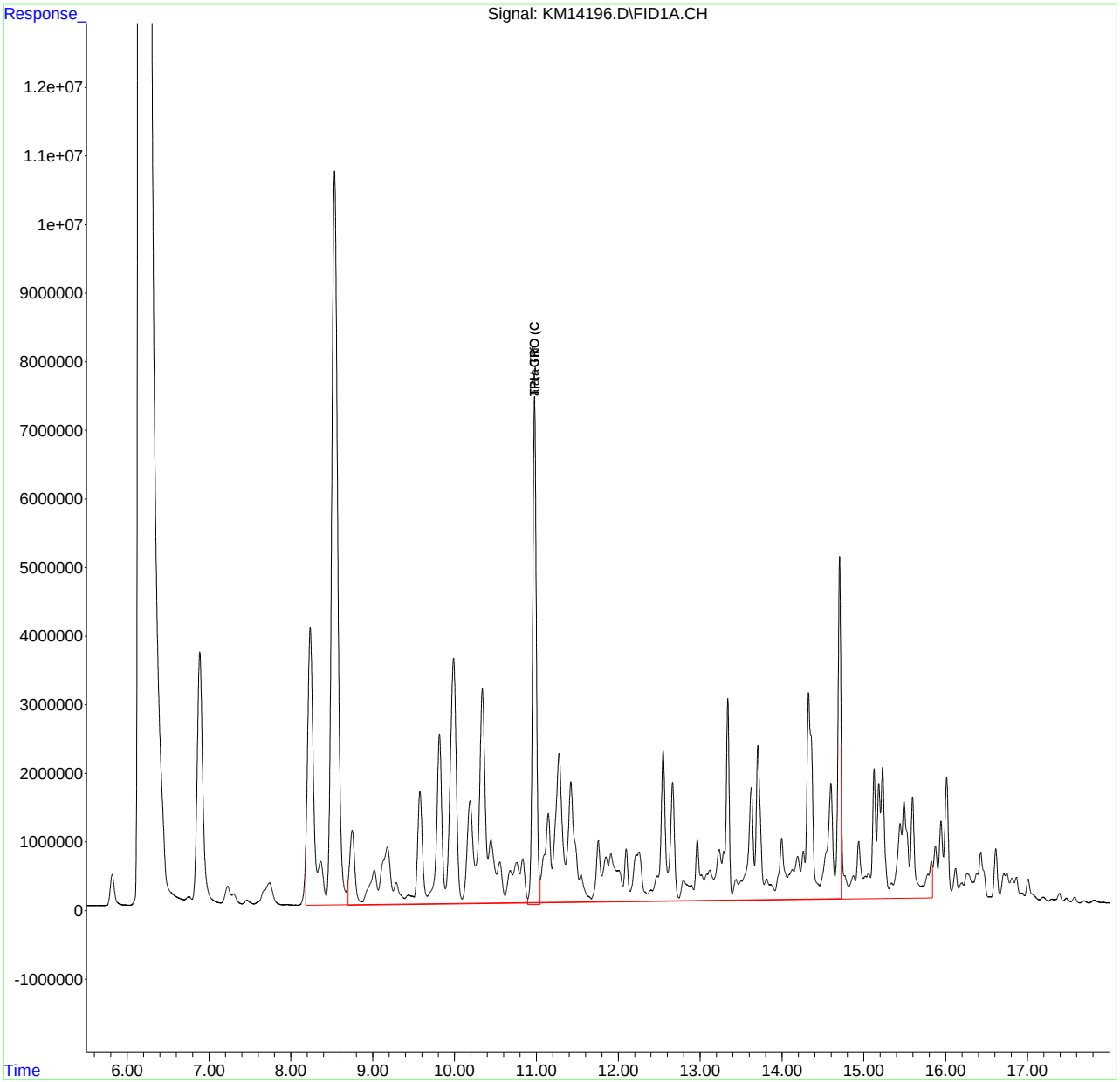
(f)=RT Delta > 1/2 Window (m)=manual int.

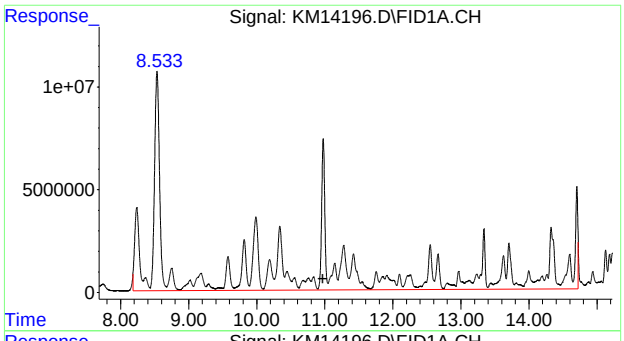
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\adriana2\GKM595\
Data File : KM14196.D
Signal(s) : FID1A.CH
Acq On : 16 Oct 2025 7:12 pm
Operator : johnn
Sample : je21115-1ms
Misc : GC65388,GKM595,5.0,,,,1
ALS Vial : 17 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 17 02:58:10 2025
Quant Method : C:\msdchem\1\data\adriana2\GKM595\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

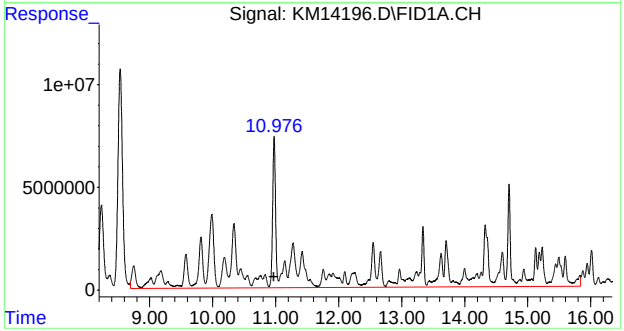
Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um





#1 TPH-GRO (C6-C10)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 3093257755
Conc: 8047.11 ug/l



#2 TPH-GRO (C6-C12)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 2769363915
Conc: 8382.04 ug/l

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\adriana2\GKM595\
Data File : KM14192.D
Signal(s) : FID1A.CH
Acq On : 16 Oct 2025 5:35 pm
Operator : johnn
Sample : je21194-1dup
Misc : GC65388,GKM595,5.0,,,,1
ALS Vial : 13 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 17 03:00:32 2025
Quant Method : C:\msdchem\1\data\adriana2\GKM595\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) S a,a,a-Trifluorotoluene	10.978	201257350	253.399 ug/l
Spiked Amount 300.000	Range 70 - 116	Recovery = 84.47%	
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

9.6.1

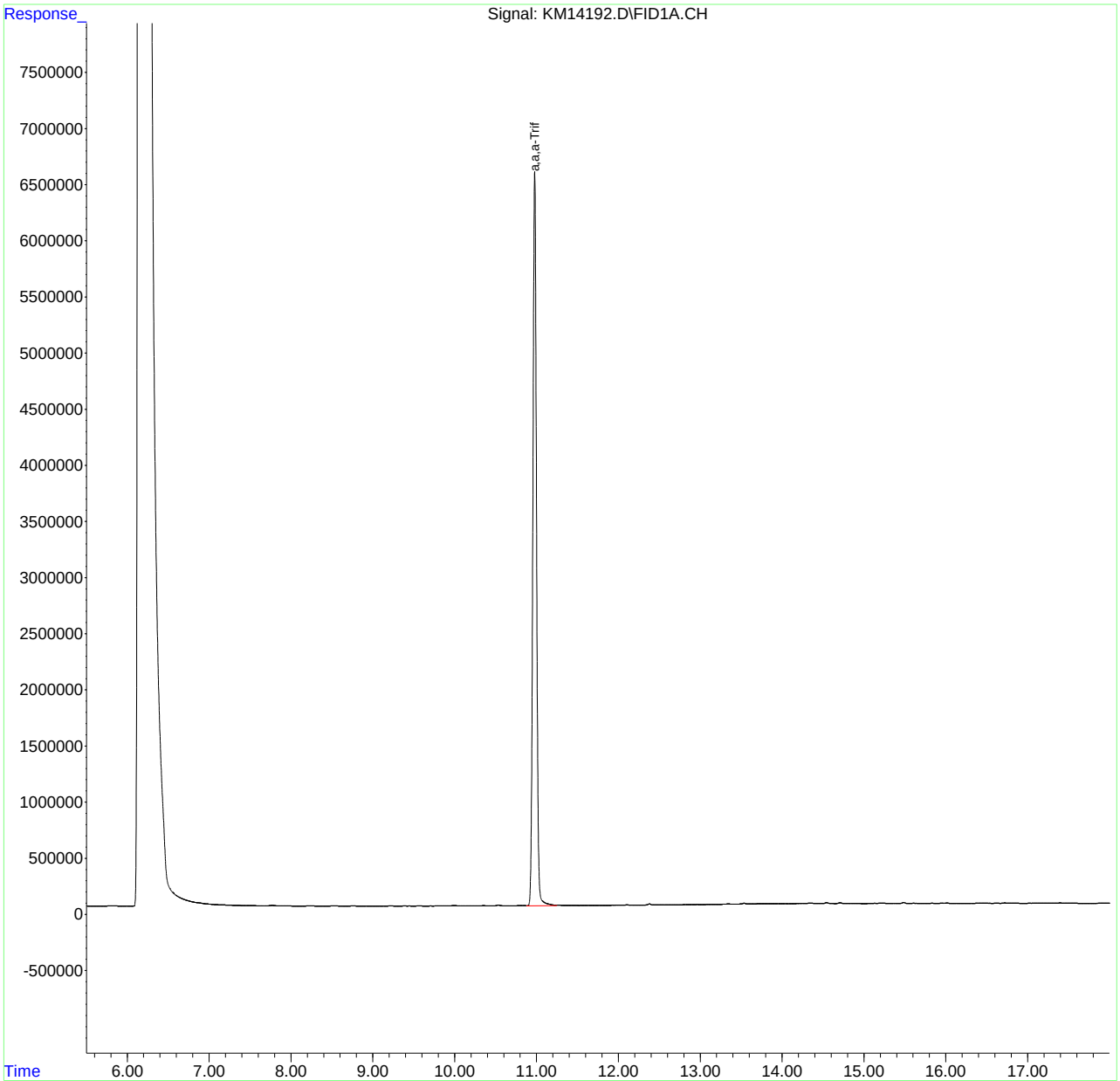
6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\adriana2\GKM595\
Data File : KM14192.D
Signal(s) : FID1A.CH
Acq On : 16 Oct 2025 5:35 pm
Operator : johnn
Sample : je21194-1dup
Misc : GC65388,GKM595,5.0,,,,1
ALS Vial : 13 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 17 03:00:32 2025
Quant Method : C:\msdchem\1\data\adriana2\GKM595\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 10/28/25 18:57

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118318.d
Signal(s) : FID1A.ch
Acq On : 28 Oct 2025 1:28 pm
Operator : williamc
Sample : je21351-18dup
Misc : GC65438,GAA3397,,,,,1
ALS Vial : 18 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 28 13:39:14 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	1.335	1004085717	61256.893	PPMV
2)	Ethane	1.738	1875243	60.410	PPMV
3)	Ethene	2.409	19949	0.639	PPMV m
4)	Propane	2.833	19304	0.406	PPMV m

(f)=RT Delta > 1/2 Window (m)=manual int.

9.6.2

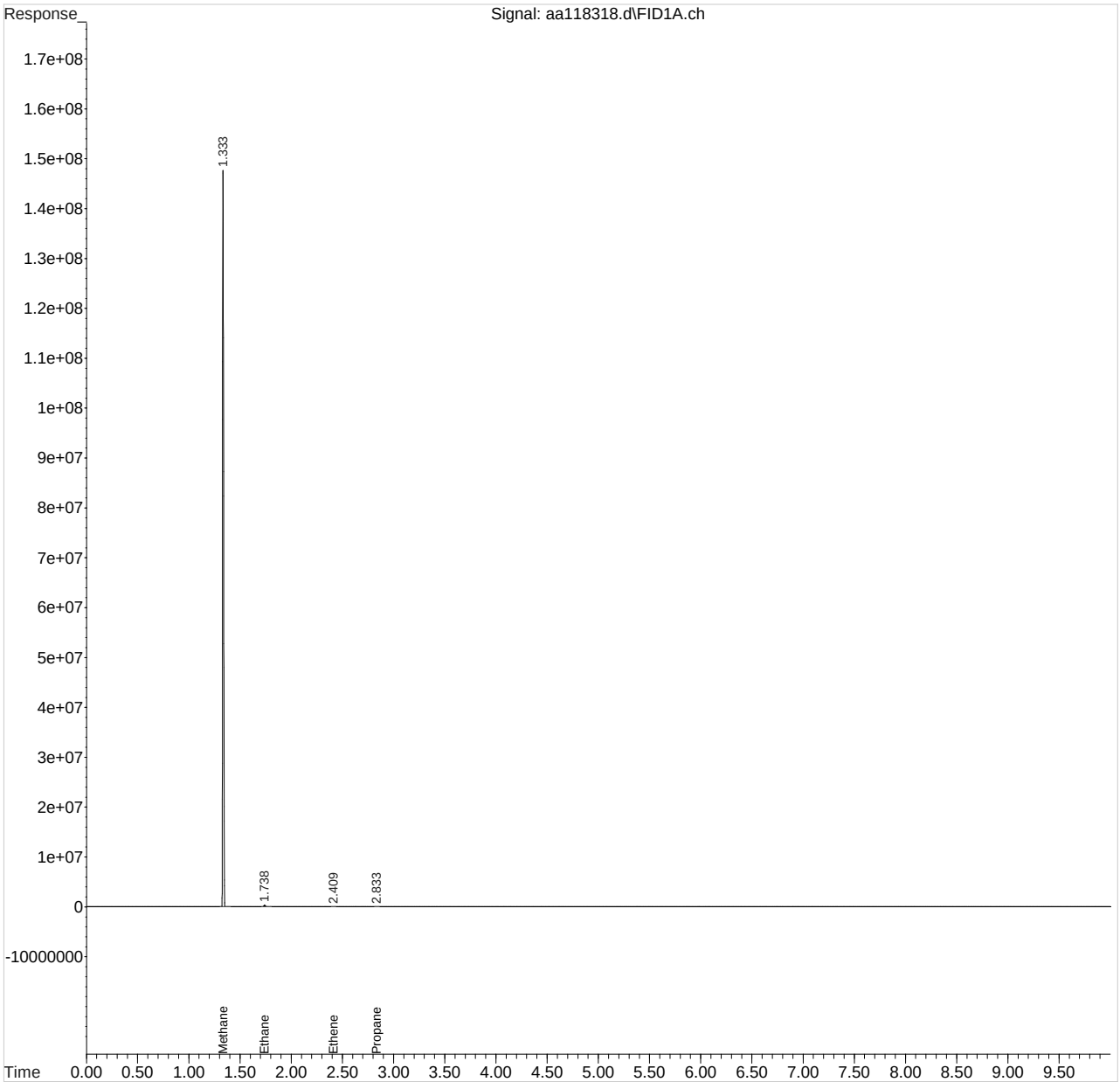
9

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118318.d
Signal(s) : FID1A.ch
Acq On : 28 Oct 2025 1:28 pm
Operator : williamc
Sample : je21351-18dup
Misc : GC65438,GAA3397,,,,,1
ALS Vial : 18 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 28 13:39:14 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



Manual Integration Approval Summary

Sample Number: JE21351-18DUP
Lab FileID: AA118318.D
Injection Time: 10/28/25 13:28
Method: RSK-175
Analyst approved: 10/28/25 18:56 Kanya Veerawat
Supervisor approved: 10/28/25 18:57 Kanya Veerawat

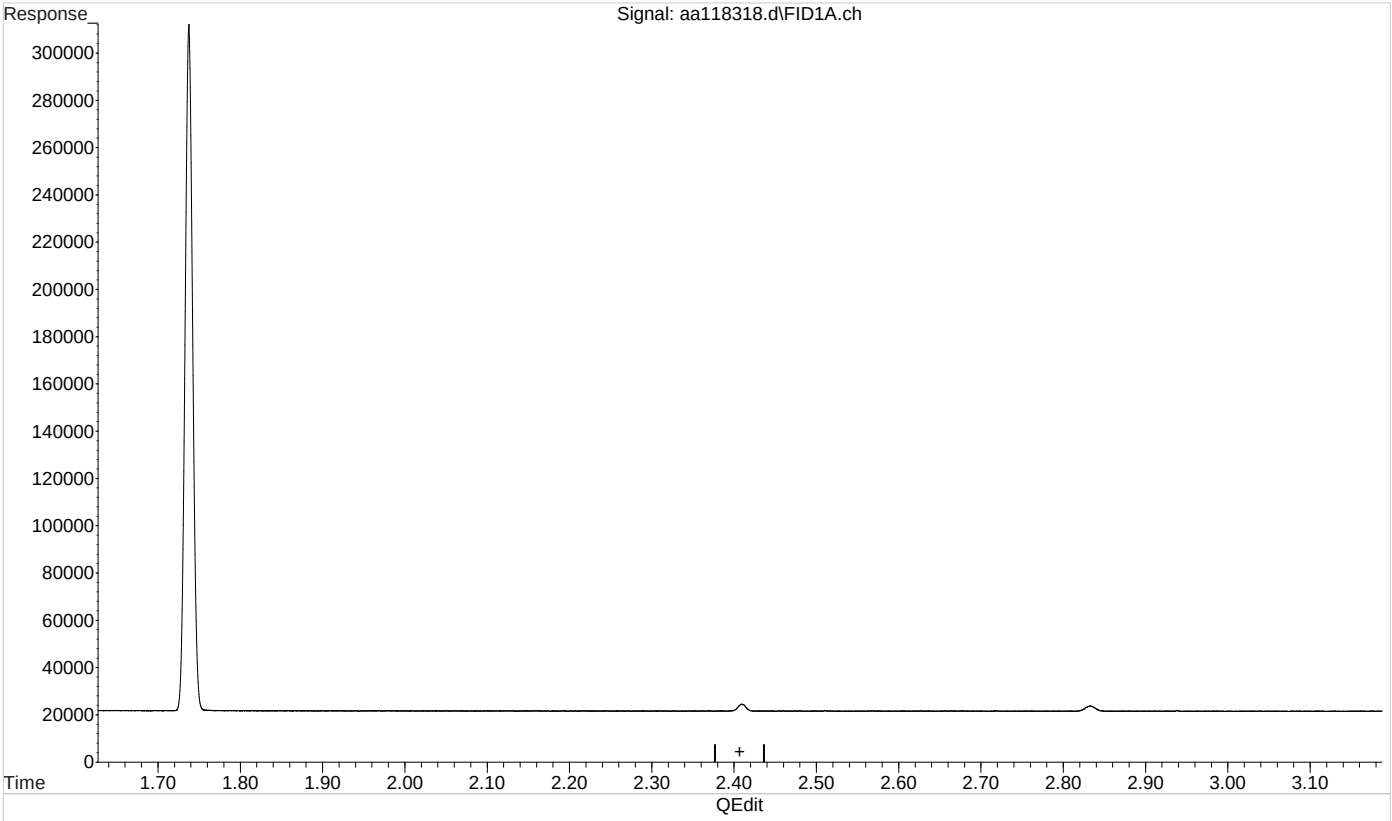
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethene	74-85-1	1	2.41	Missed peak
Propane	74-98-6	1	2.83	Missed peak

Quantitation Report (Qedit)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118318.d
Signal(s) : FID1A.ch
Acq On : 28 Oct 2025 1:28 pm
Operator : williamc
Sample : je21351-18dup
Misc : GC65438,GAA3397,,,,,1
ALS Vial : 18 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 28 13:38:36 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



(3) Ethene

2.407min 0.000PPMV

response 0

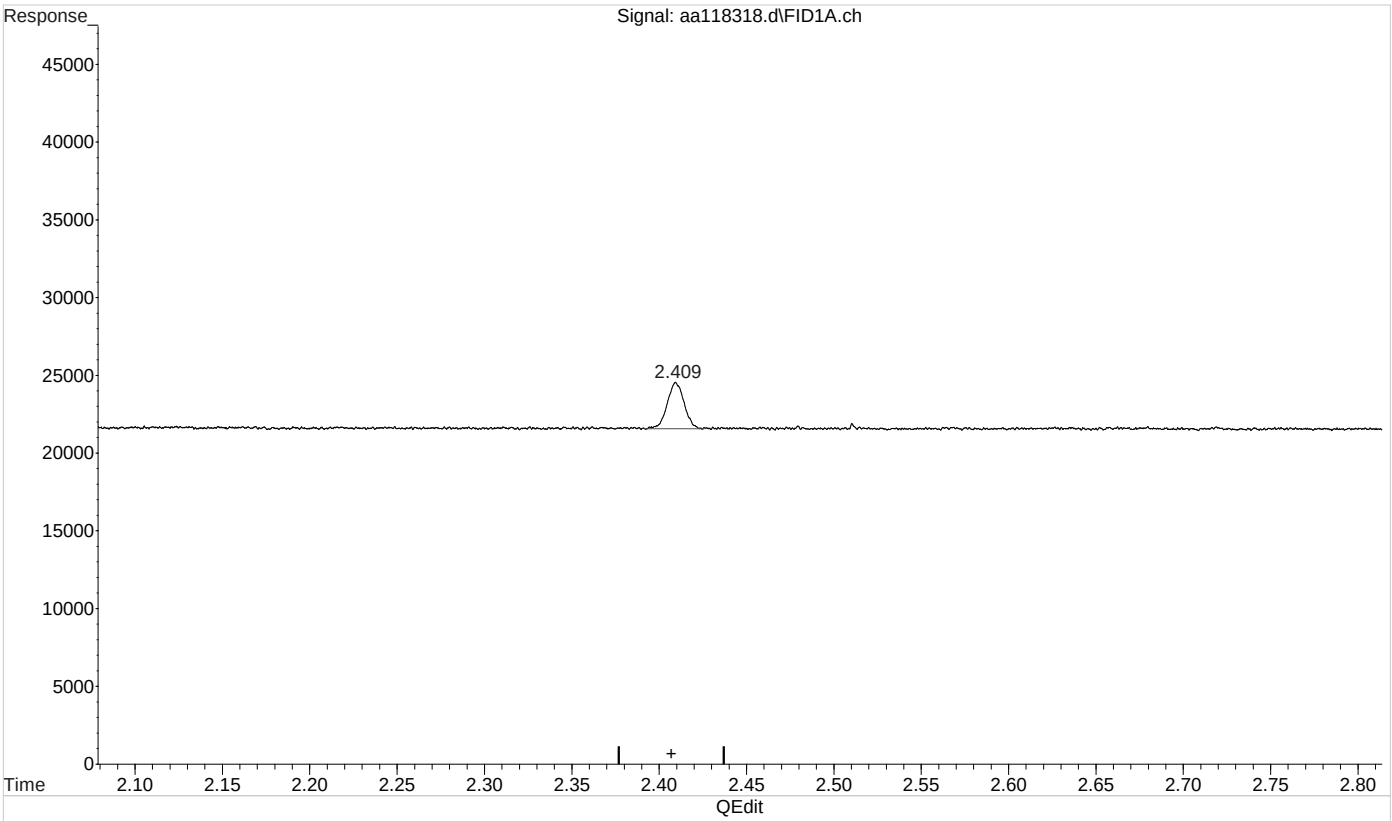
(+) = Expected Retention Time
MAA3333.M Tue Oct 28 13:38:59 2025 AA

Quantitation Report (Qedit)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118318.d
Signal(s) : FID1A.ch
Acq On : 28 Oct 2025 1:28 pm
Operator : williamc
Sample : je21351-18dup
Misc : GC65438,GAA3397,,,,,1
ALS Vial : 18 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 28 13:38:36 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



(3) Ethene

2.409min 0.639PPMV m

response 19949

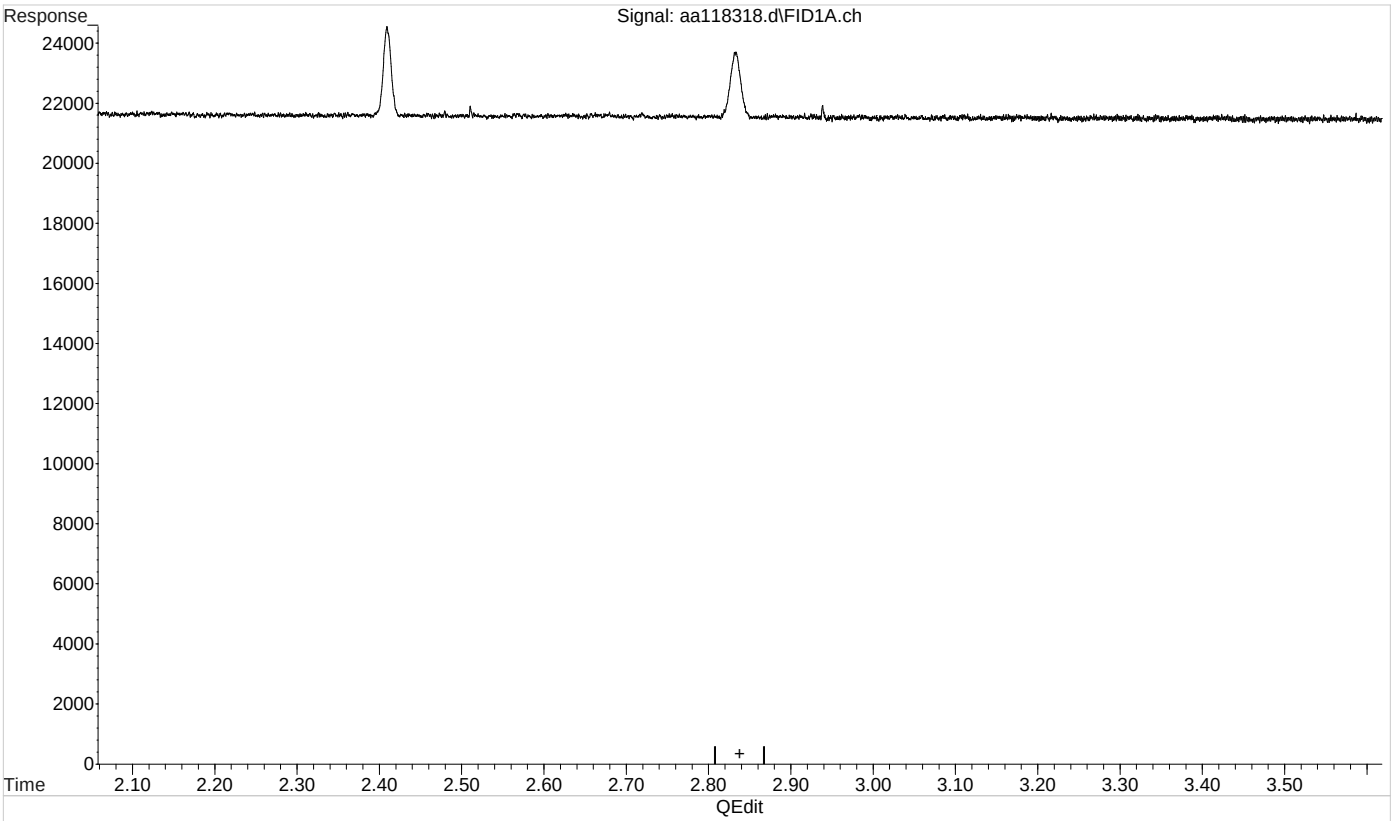
(+) = Expected Retention Time
MAA3333.M Tue Oct 28 13:39:04 2025 AA

Quantitation Report (Qedit)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118318.d
Signal(s) : FID1A.ch
Acq On : 28 Oct 2025 1:28 pm
Operator : williamc
Sample : je21351-18dup
Misc : GC65438,GAA3397,,,,,1
ALS Vial : 18 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 28 13:38:36 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



(4) Propane

2.838min 0.000PPMV

response 0

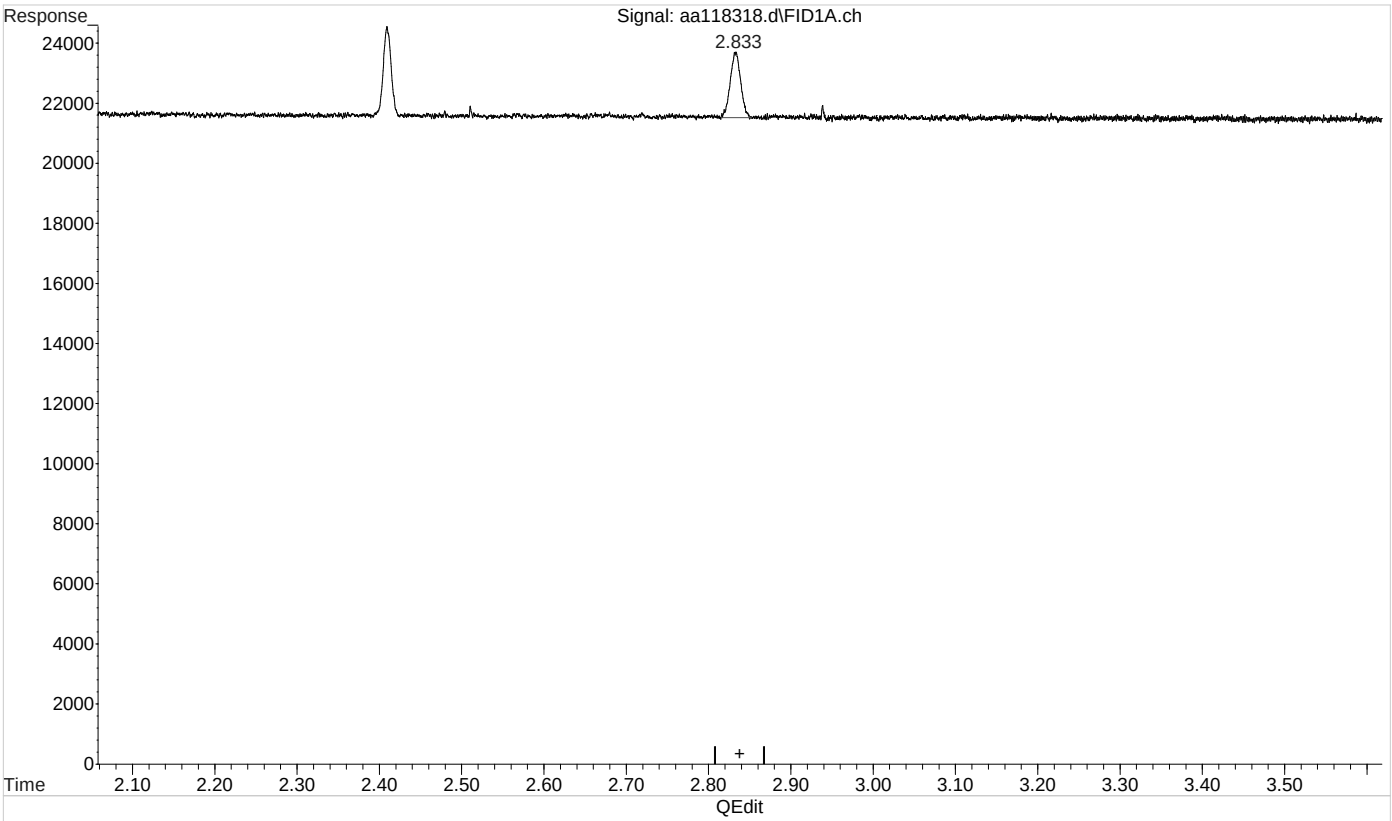
(+) = Expected Retention Time
MAA3333.M Tue Oct 28 13:39:09 2025 AA

Quantitation Report (Qedit)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118318.d
Signal(s) : FID1A.ch
Acq On : 28 Oct 2025 1:28 pm
Operator : williamc
Sample : je21351-18dup
Misc : GC65438,GAA3397,,,,,1
ALS Vial : 18 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 28 13:38:36 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



(4) Propane

2.833min 0.406PPMV m

response 19304

(+) = Expected Retention Time
MAA3333.M Tue Oct 28 13:39:16 2025 AA

Dissolved Gas Calculation Worksheet

Data File Name **aa118318.d**
Date Acquired **10/28/2025 13:28**
Sample Name **je21351-18dup**
Sample Multiplier **1**
Temperature(C) **24**
Headspace Vol. (cc) **5**
Sample Vol(cc) **38**

Compound	MW	Molar Volume(L)	Water g-moles/L	Temp K	Corrected Gas dens.	Peak Area	Helium Blank	Headspace (ppmv)*	Headspace (ug/l)	Water (ug/l)	Henry's Constant	Saturation Conc.(ug/l)	Total (ug/L)	MDL (ug/l)	Report (ug/l)
METHANE	16	22.4	55.5	297	24.37	1E+009	3744	61256.67	40219.02	5291.98	40560	1341.122	6633.10	0.08	**6633.10**
ETHANE	30	22.4	55.5	297	24.37	1875243	0	60.41	74.37	9.79	29420	3.419	13.204	0.14	**13.204**
ETHYLENE	28	22.4	55.5	297	24.29	19949.03	0	0.64	0.73	0.10	11160	0.089	0.185	0.16	**0.185**
PROPANE	44	22.4	55.5	297	24.29	19304.35	0	0.41	0.73	0.10	35857	0.028	0.124	0.07	**0.124**

*** ppmv is corrected for helium blank background peak area**

Definitions,

Molar Volume	**The volume of 1 mole of any gas at standard temperature and pressure(STP)**
Water g/Moles	**1 Liter of water is equal to 55.5g-moles**
Temp-kelvin	**Is defined as 273 + degress C**
Corrected Gas Density	**Gas density corrected for temperature is equal to (molar volume) x (temp-k/273)**
Headspace conc(ug/l)	**Is equal to (ppmv reading) x (mw/corrected gas density)**
Water Concentration(ug/l)	**Is equal to headspace conc(ug/l) x headspace vol/sample vol**
Saturation Concentration(ug/l)	**Gas which remains at equilibrium in the sample is equal to (headspace conc-ppm) x (mw) x (55.5)/(Henry's Constant)**

Henry's Constants

temp-c	20	21	22	23	24	25	26	27	28	29	30
Methane	37600	38340	39080	39820	40560	41300	42020	42740	43460	44180	44900
Ethane	26300	27080	27860	28640	29420	30200	31000	31800	32600	33400	34200
Ethene	10200	10440	10680	10920	11160	11400	11660	11920	12180	12440	12700
Oxygen	40100	40840	41580	42320	43060	43800	44540	45280	46020	46760	47500
CO	52600	53680	54760	55840	56920	58000	58800	59600	60400	61200	62000
CO2	14200	14640	15080	15520	15960	16400	16840	17280	17720	18160	18600
Nitrogen	80400	81620	82840	84060	85280	86500	87680	88860	90040	91220	92400
Hydrogen	68300	68780	69260	69740	70220	70700	71140	71580	72020	72460	72900
Propane	31474	32552	33643	34744	35857	36978	38107	39244	40387	41535	42688

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\GKM588\
Data File : KM14012.D
Signal(s) : FID1A.CH
Acq On : 09 Oct 2025 2:42 pm
Operator : johnn
Sample : RT
Misc : GC65359,GKM588,5.0,,,,1
ALS Vial : 6 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 09 18:43:21 2025
Quant Method : C:\msdchem\1\METHODS\MKMGRORT2.M
Quant Title : VPH
QLast Update : Thu Oct 09 18:43:11 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 mm df

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
5) S	a,a,a-Trifluorotoluene	10.970	207753817	66.162 ppb
Spiked Amount	300.000		Recovery =	22.05%
	Target Compounds			
1)	2-methylpentane	8.231	27902351	127.677
2)	1,2,4-Trimethylbenzene	14.694	88741554	101.258
3) t	n-Hexane	8.748	28893018	92.927
4) t	n-Dodecane	15.810	23900461	76.869

(f)=RT Delta > 1/2 Window (m)=manual int.

9.7.1

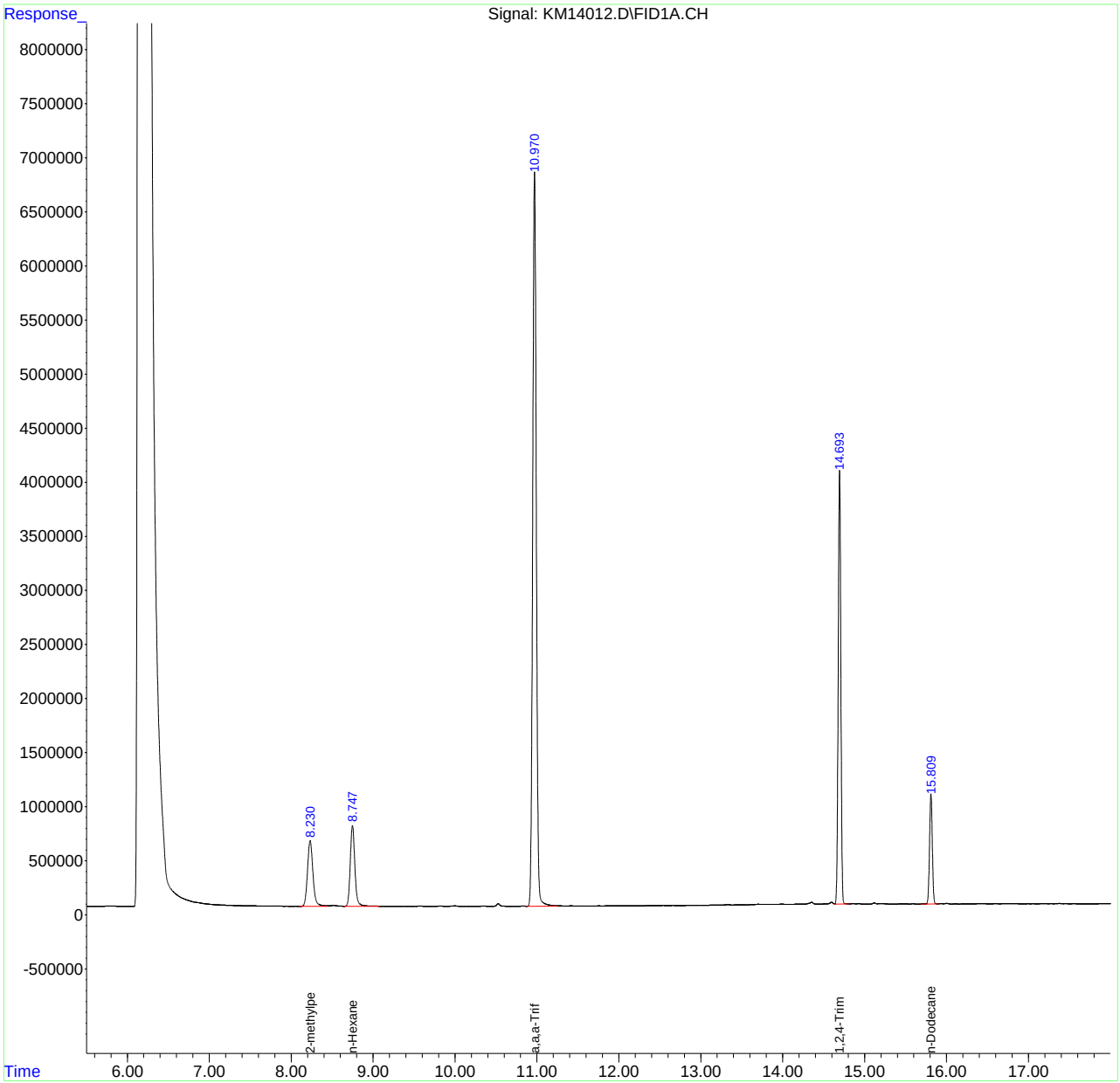
9

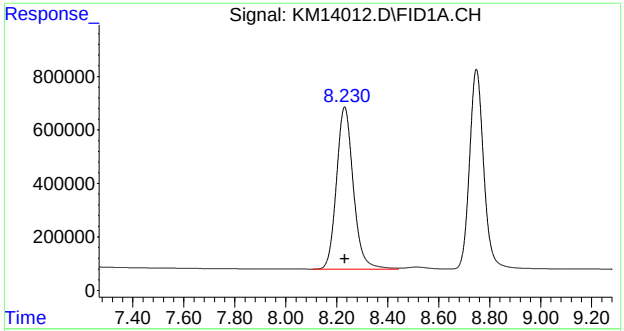
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\GKM588\
Data File : KM14012.D
Signal(s) : FID1A.CH
Acq On : 09 Oct 2025 2:42 pm
Operator : johnn
Sample : RT
Misc : GC65359,GKM588,5.0,,,,1
ALS Vial : 6 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 09 18:43:21 2025
Quant Method : C:\msdchem\1\METHODS\MKMGRORT2.M
Quant Title : VPH
QLast Update : Thu Oct 09 18:43:11 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

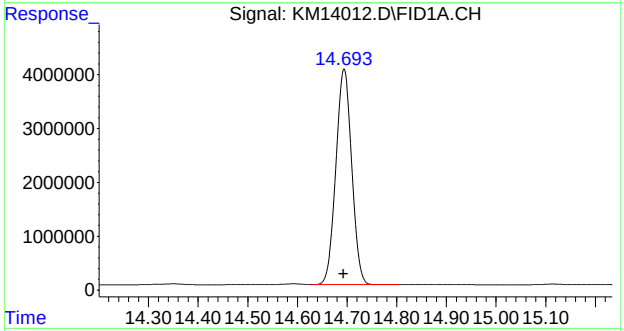
Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 mm df





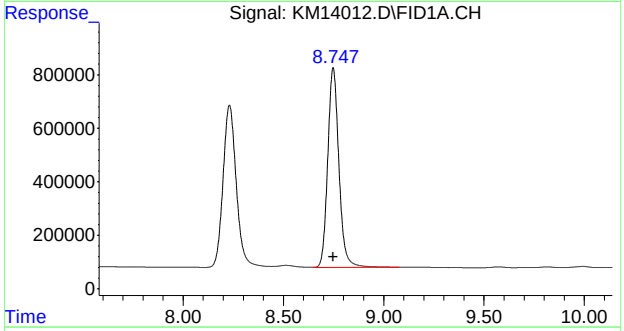
#1 2-methylpentane

R.T.: 8.231 min
Delta R.T.: 0.000 min
Response: 27902351
Conc: 127.68



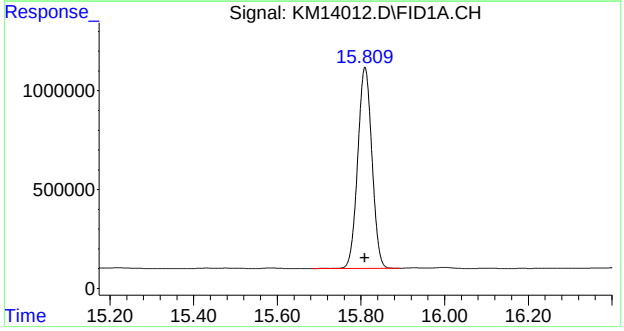
#2 1,2,4-Trimethylbenzene

R.T.: 14.694 min
Delta R.T.: 0.001 min
Response: 88741554
Conc: 101.26



#3 n-Hexane

R.T.: 8.748 min
Delta R.T.: 0.000 min
Response: 28893018
Conc: 92.93



#4 n-Dodecane

R.T.: 15.810 min
Delta R.T.: 0.000 min
Response: 23900461
Conc: 76.87

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\braianc\2025\10. October\16102025\gkm595\
Data File : KM14182.D
Signal(s) : FID1A.CH
Acq On : 16 Oct 2025 10:53 am
Operator : johnn
Sample : rt
Misc : GC65381,GKM595,5.0,,,,1
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 16 21:51:16 2025
Quant Method : C:\msdchem\1\methods\MKMGRORT2.M
Quant Title : VPH
QLast Update : Thu Oct 09 18:43:11 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 mm df

	Compound	R.T.	Response	Conc Units
System Monitoring Compounds				
5) S	a,a,a-Trifluorotoluene	10.977	204479069	65.119 ppb
Spiked Amount	300.000		Recovery =	21.71%
Target Compounds				
1)	2-methylpentane	8.236	25612264	117.198
2)	1,2,4-Trimethylbenzene	14.705	87168918	99.463
3) t	n-Hexane	8.753	26825722	86.278
4) t	n-Dodecane	15.822	23139236	74.421

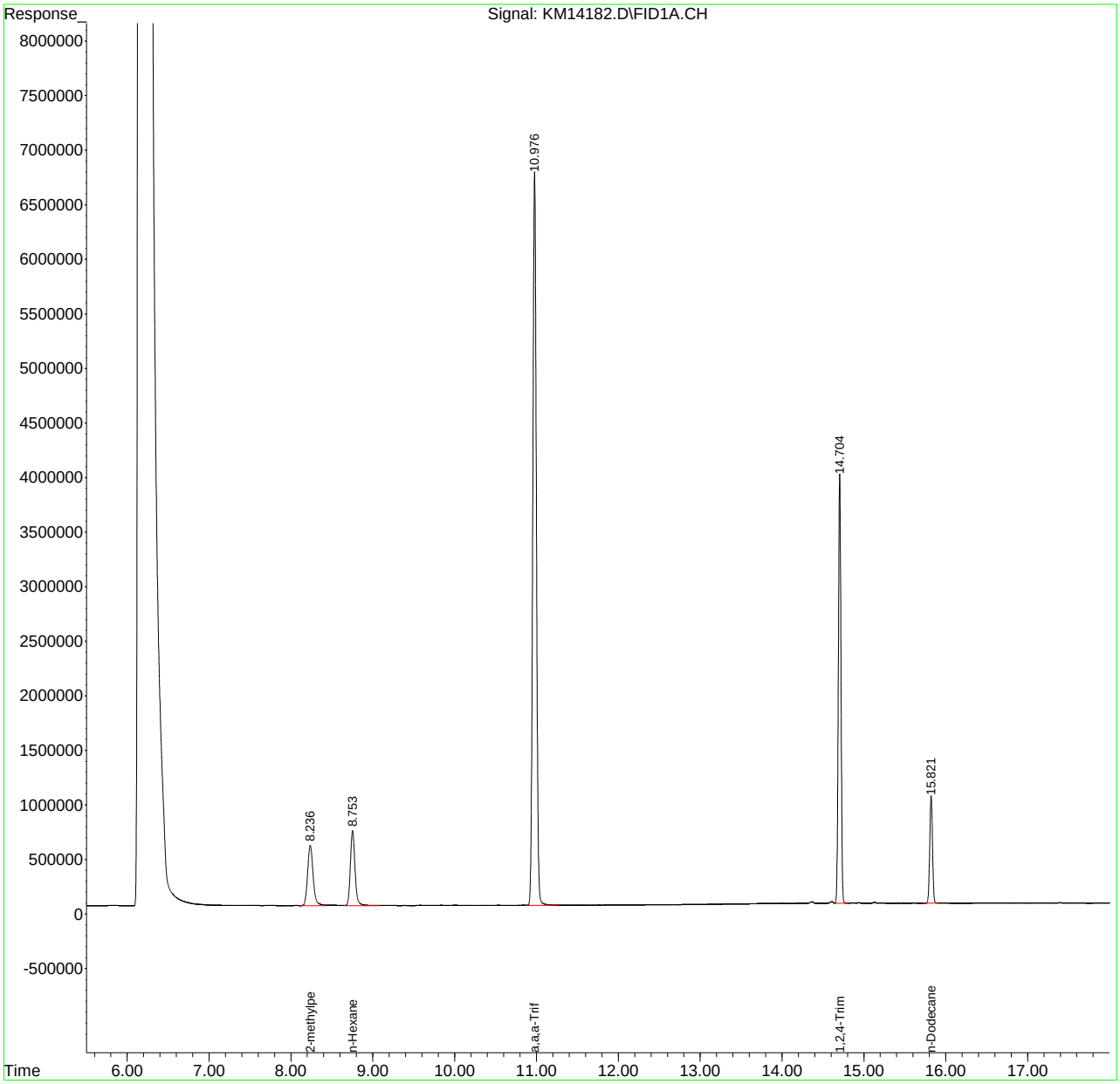
(f)=RT Delta > 1/2 Window (m)=manual int.

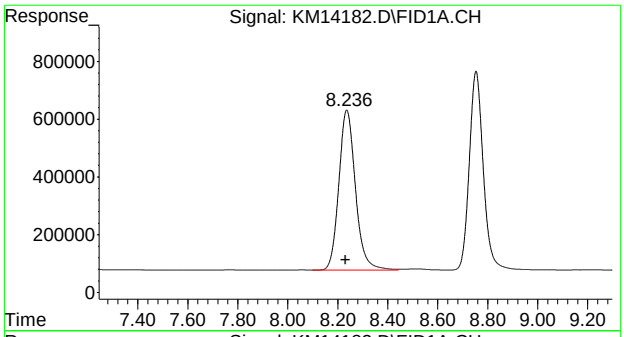
Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\braianc\2025\10. October\16102025\gkm595\
Data File : KM14182.D
Signal(s) : FID1A.CH
Acq On : 16 Oct 2025 10:53 am
Operator : johnn
Sample : rt
Misc : GC65381,GKM595,5.0,,,,1
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 16 21:51:16 2025
Quant Method : C:\msdchem\1\methods\MKMGRORT2.M
Quant Title : VPH
QLast Update : Thu Oct 09 18:43:11 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

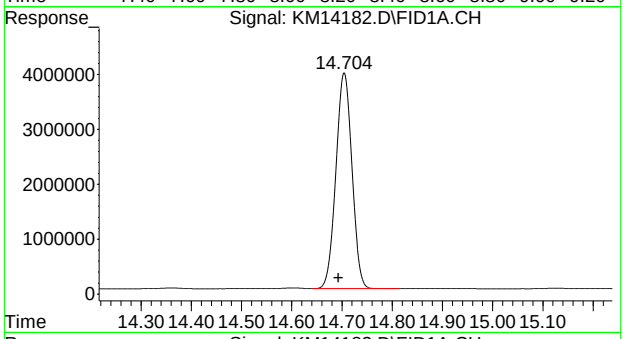
Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 mm df





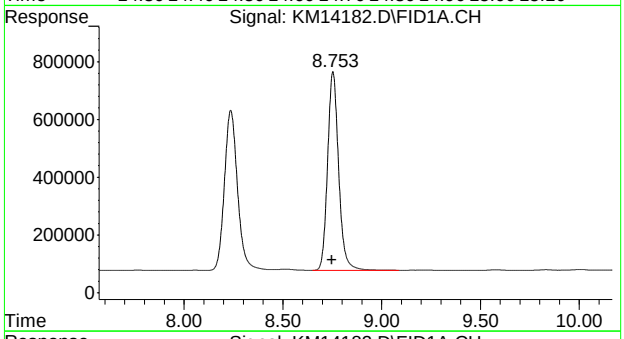
#1 2-methylpentane

R.T.: 8.236 min
Delta R.T.: 0.005 min
Response: 25612264
Conc: 117.20



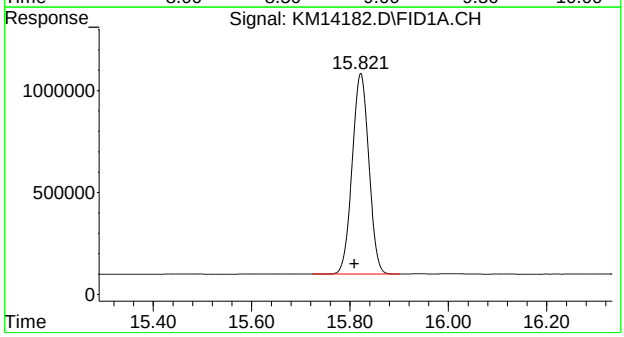
#2 1,2,4-Trimethylbenzene

R.T.: 14.705 min
Delta R.T.: 0.012 min
Response: 87168918
Conc: 99.46



#3 n-Hexane

R.T.: 8.753 min
Delta R.T.: 0.005 min
Response: 26825722
Conc: 86.28



#4 n-Dodecane

R.T.: 15.822 min
Delta R.T.: 0.013 min
Response: 23139236
Conc: 74.42

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa116752.d
Signal(s) : FID1A.ch
Acq On : 25 Jul 2025 1:55 pm
Operator : williamc
Sample : ic3333-10
Misc : GC65024,GAA3333,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jul 25 14:05:35 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Mon Jul 14 10:45:48 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df

	Compound	R.T.	Response	Conc Units
Target Compounds				
1)	Methane	1.339	165070	10.466 PPMV
2)	Ethane	1.739	312564	10.476 PPMV
3)	Ethene	2.407f	314351	10.446 PPMV
4)	Propane	2.839	478366	11.360 PPMV

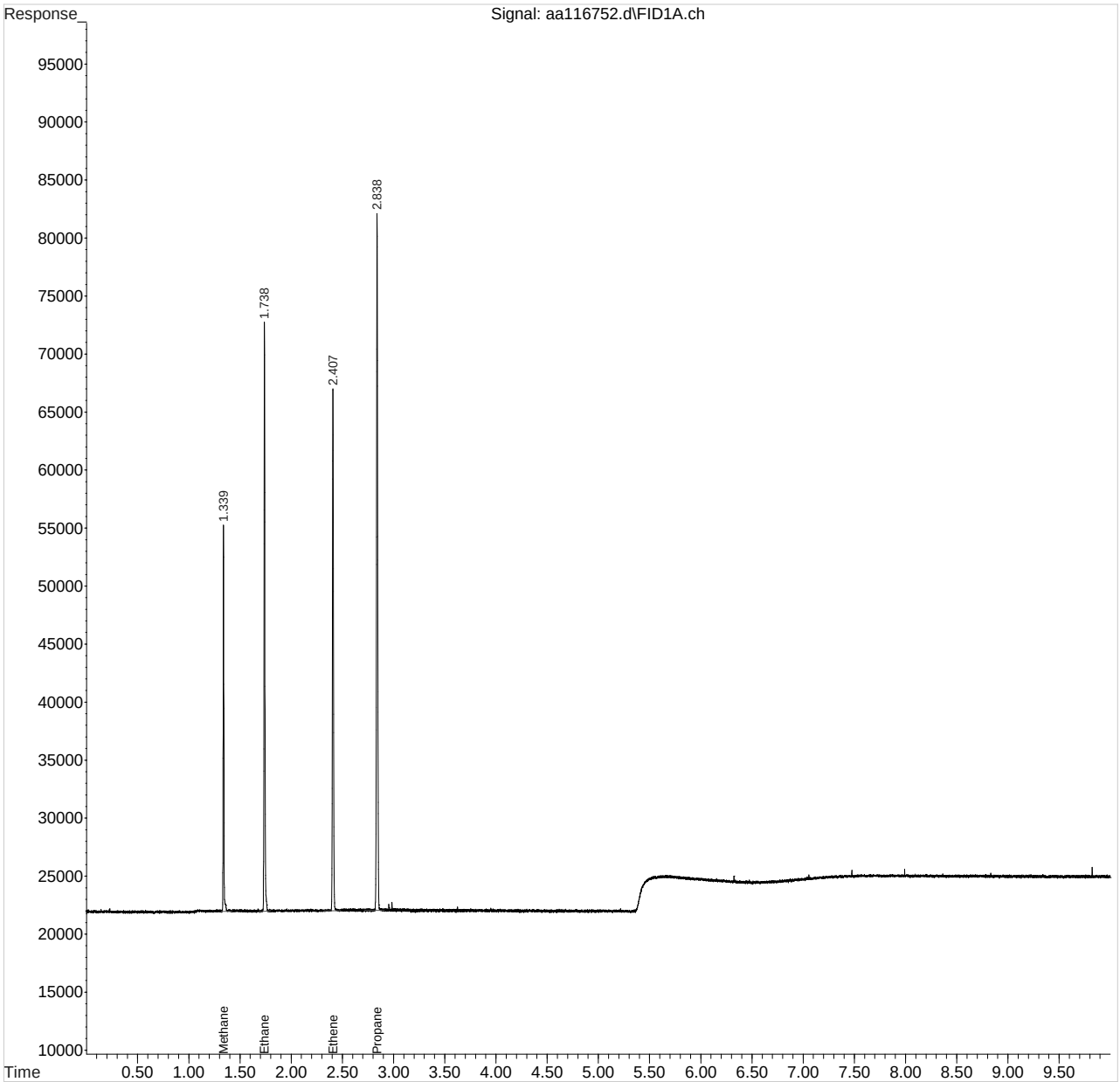
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa116752.d
Signal(s) : FID1A.ch
Acq On : 25 Jul 2025 1:55 pm
Operator : williamc
Sample : ic3333-10
Misc : GC65024,GAA3333,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jul 25 14:05:35 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Mon Jul 14 10:45:48 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa116753.d
Signal(s) : FID1A.ch
Acq On : 25 Jul 2025 2:13 pm
Operator : williamc
Sample : ic3333-20
Misc : GC65024,GAA3333,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jul 25 14:23:52 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Mon Jul 14 10:45:48 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	1.339	325865	20.661	PPMV
2)	Ethane	1.738	613273	20.555	PPMV
3)	Ethene	2.408f	615572	20.456	PPMV
4)	Propane	2.839	940211	22.327	PPMV

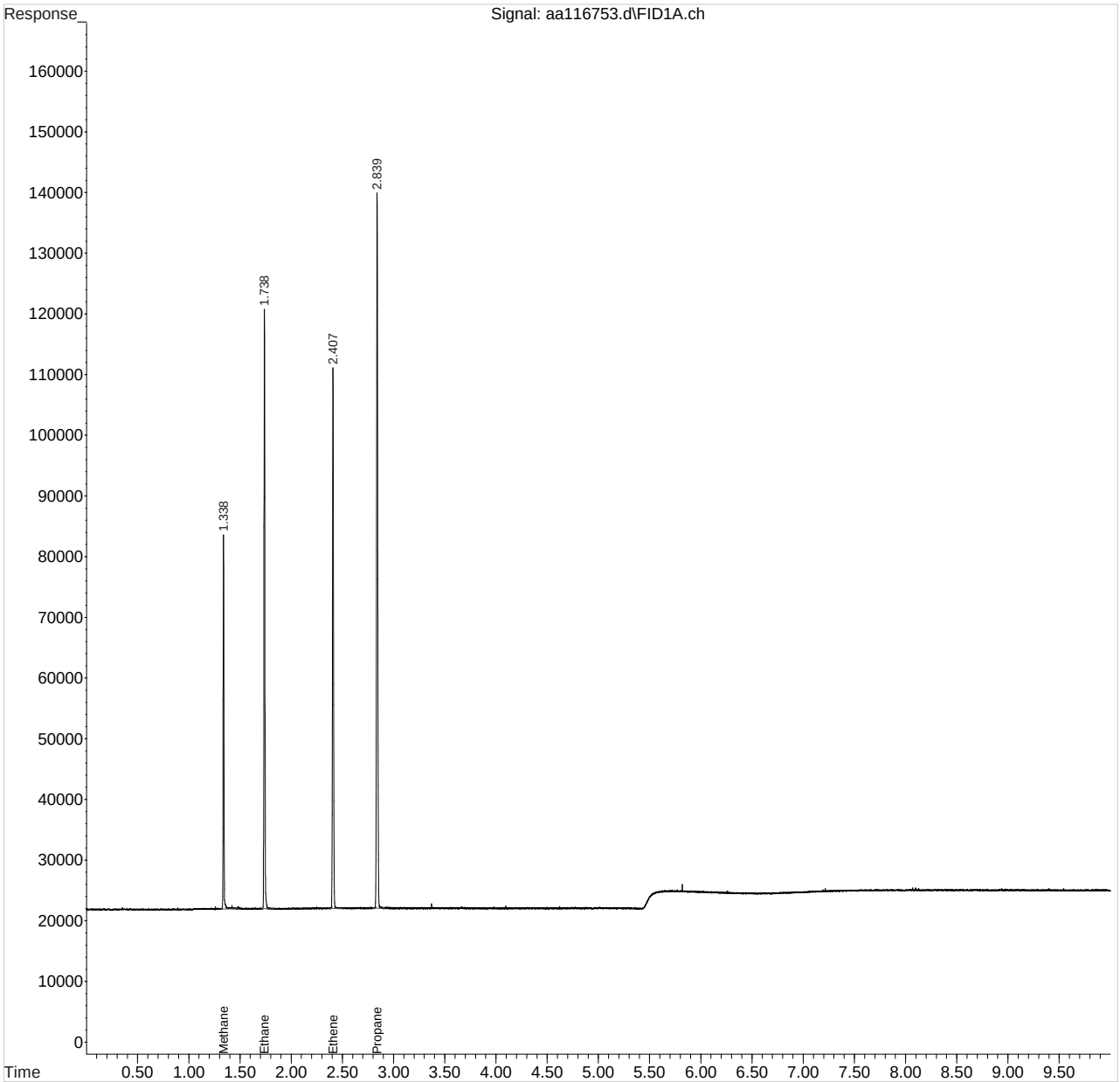
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa116753.d
Signal(s) : FID1A.ch
Acq On : 25 Jul 2025 2:13 pm
Operator : williamc
Sample : ic3333-20
Misc : GC65024,GAA3333,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jul 25 14:23:52 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Mon Jul 14 10:45:48 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa116754.d
Signal(s) : FID1A.ch
Acq On : 25 Jul 2025 2:27 pm
Operator : williamc
Sample : icc3333-100
Misc : GC65024,GAA3333,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jul 25 14:37:50 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Mon Jul 14 10:45:48 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	1.339	1710878	108.476	PPMV
2)	Ethane	1.739	3300234	110.616	PPMV
3)	Ethene	2.407f	3310390	110.006	PPMV
4)	Propane	2.838	5075436	120.525	PPMV

(f)=RT Delta > 1/2 Window (m)=manual int.

9.8.3

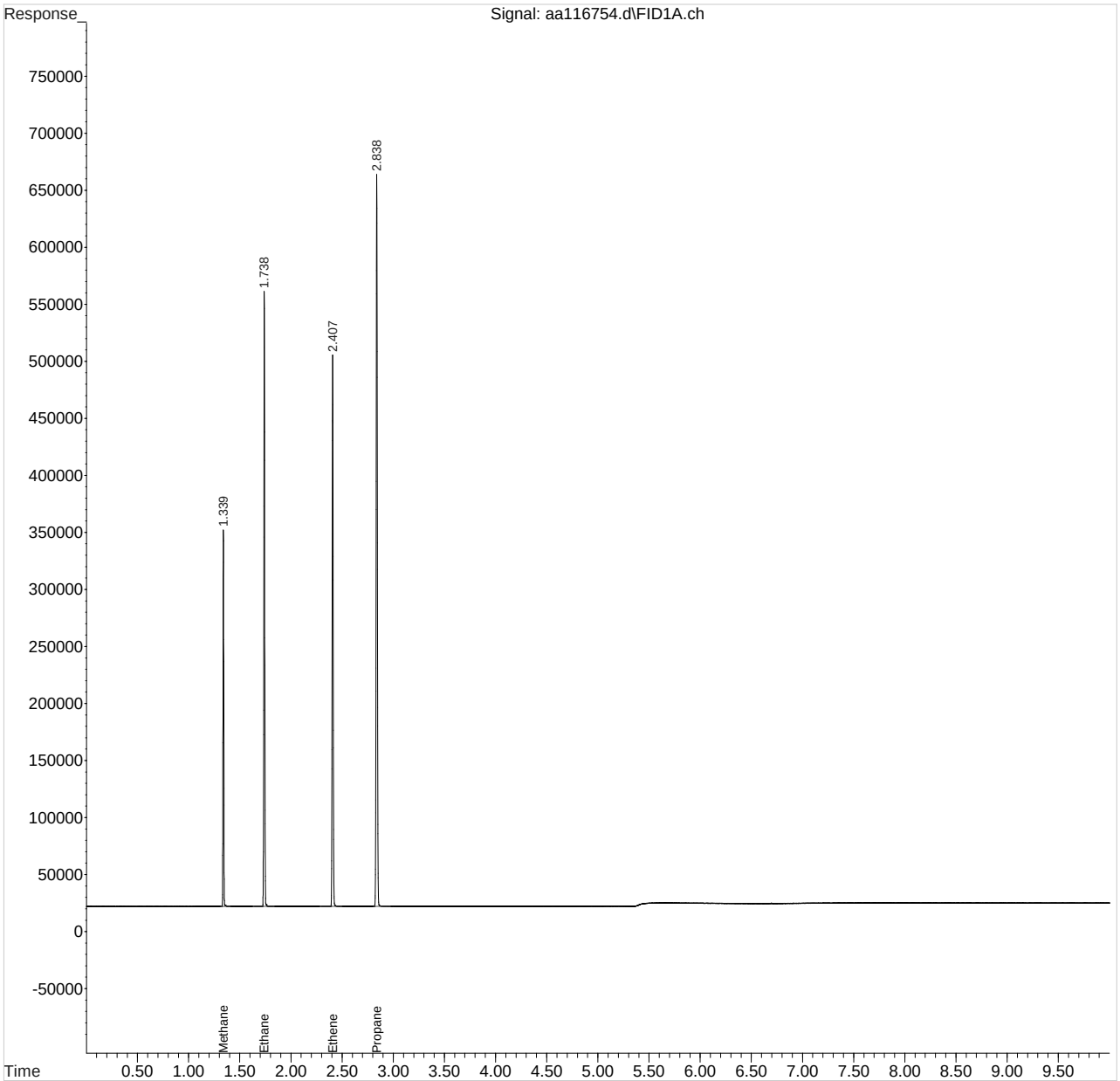
9

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa116754.d
Signal(s) : FID1A.ch
Acq On : 25 Jul 2025 2:27 pm
Operator : williamc
Sample : icc3333-100
Misc : GC65024,GAA3333,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jul 25 14:37:50 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Mon Jul 14 10:45:48 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa116755.d
Signal(s) : FID1A.ch
Acq On : 25 Jul 2025 2:40 pm
Operator : williamc
Sample : ic3333-200
Misc : GC65024,GAA3333,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jul 25 14:50:53 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Mon Jul 14 10:45:48 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	1.340	3299909	209.226	PPMV
2)	Ethane	1.739	6377027	213.743	PPMV
3)	Ethene	2.407f	6397977	212.608	PPMV
4)	Propane	2.838	9876936	234.545	PPMV

(f)=RT Delta > 1/2 Window (m)=manual int.

9.8.4

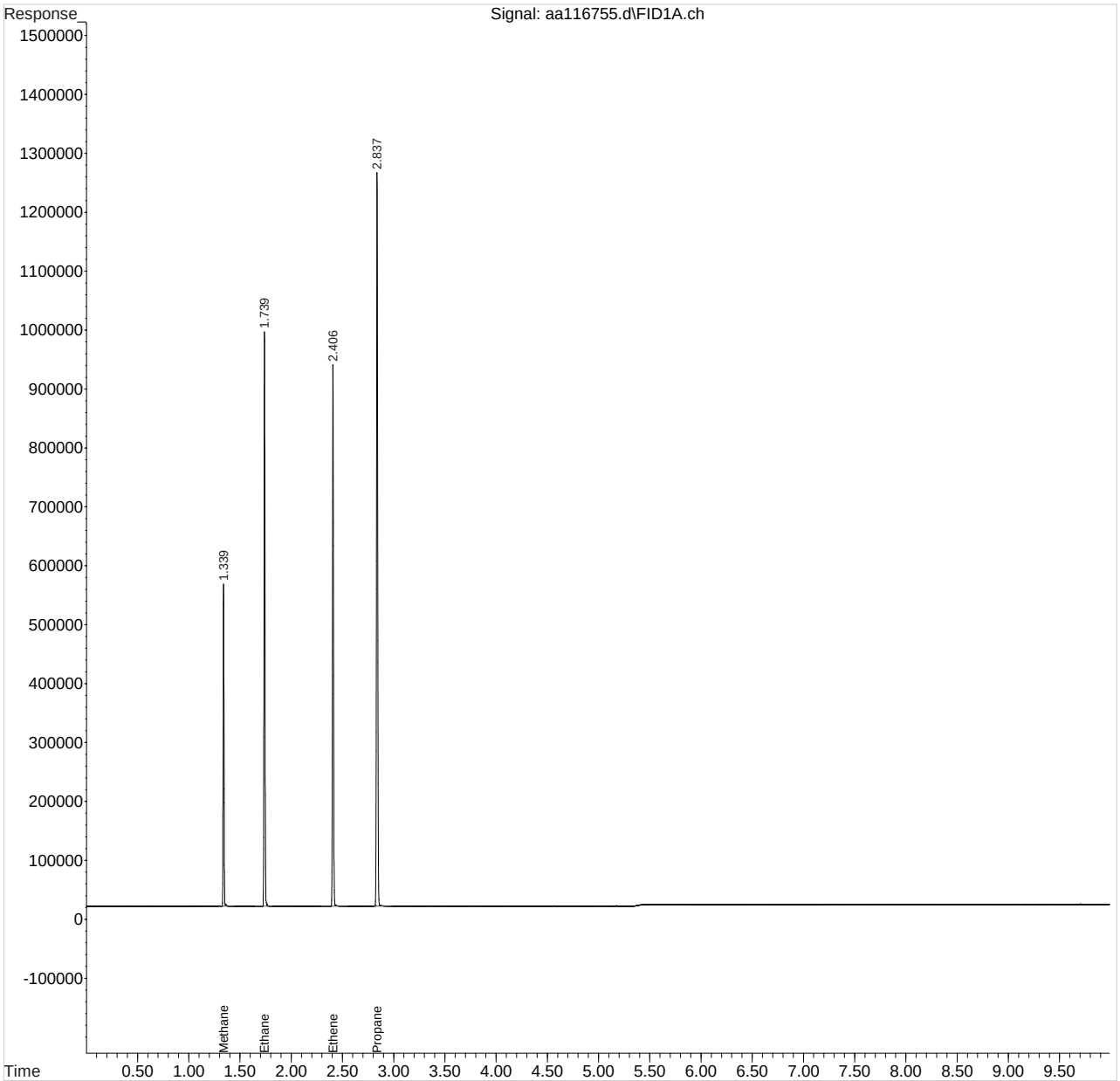
9

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa116755.d
Signal(s) : FID1A.ch
Acq On : 25 Jul 2025 2:40 pm
Operator : williamc
Sample : ic3333-200
Misc : GC65024,GAA3333,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jul 25 14:50:53 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Mon Jul 14 10:45:48 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa116756.d
Signal(s) : FID1A.ch
Acq On : 25 Jul 2025 2:53 pm
Operator : williamc
Sample : ic3333-500
Misc : GC65024,GAA3333,,,,,1
ALS Vial : 7 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jul 25 15:03:48 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Mon Jul 14 10:45:48 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	1.336	7704500	488.493	PPMV
2)	Ethane	1.737	14845864	497.598	PPMV
3)	Ethene	2.405	14912547	495.551	PPMV
4)	Propane	2.836	22837510	542.316	PPMV

(f)=RT Delta > 1/2 Window (m)=manual int.

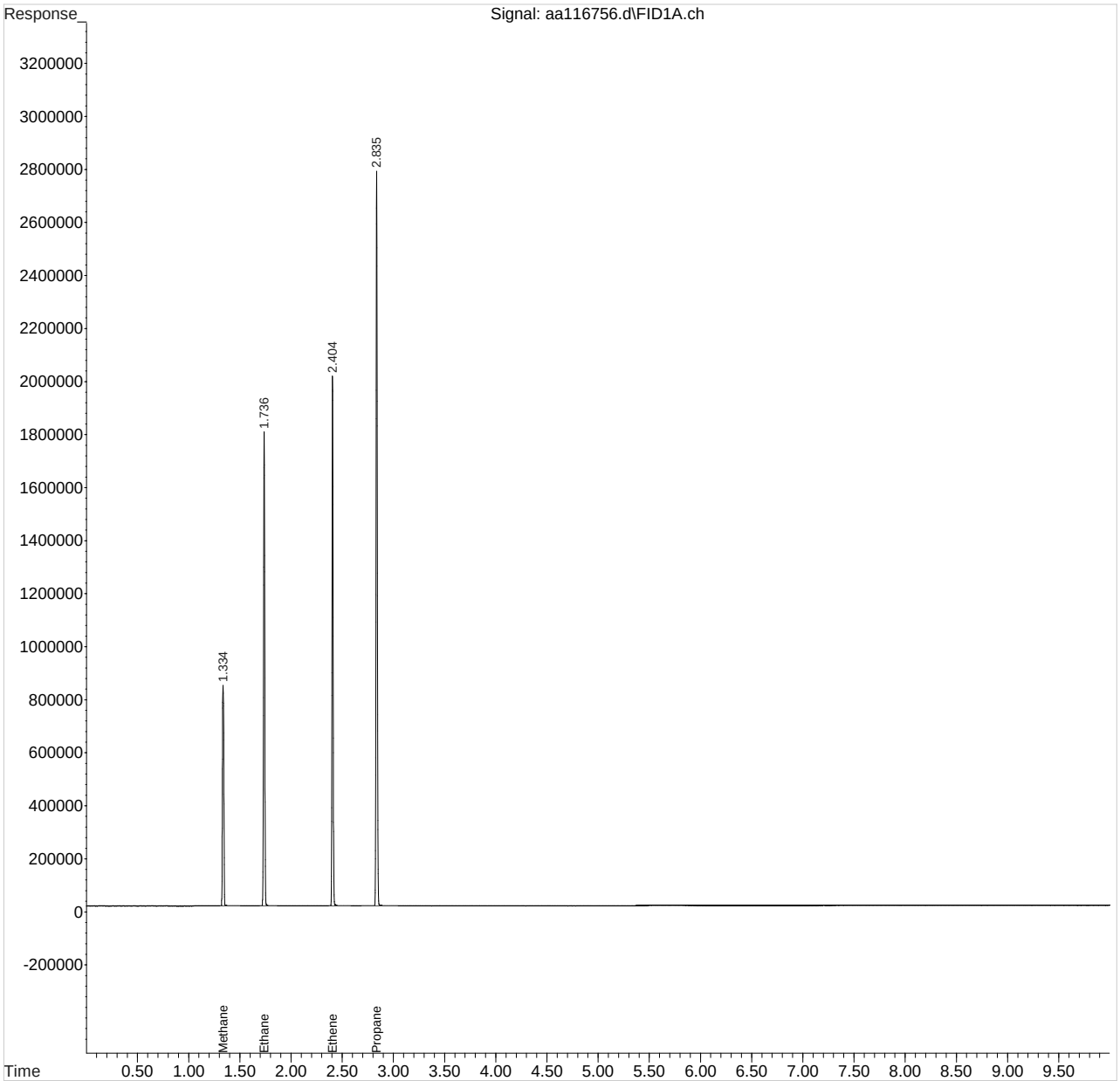
9.8.5
9

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa116756.d
Signal(s) : FID1A.ch
Acq On : 25 Jul 2025 2:53 pm
Operator : williamc
Sample : ic3333-500
Misc : GC65024,GAA3333,,,,,1
ALS Vial : 7 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jul 25 15:03:48 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Mon Jul 14 10:45:48 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa116757.d
Signal(s) : FID1A.ch
Acq On : 25 Jul 2025 3:06 pm
Operator : williamc
Sample : ic3333-1000
Misc : GC65024,GAA3333,,,,,1
ALS Vial : 8 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jul 25 15:16:56 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Mon Jul 14 10:45:48 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	1.316f	15658088	992.778	PPMV
2)	Ethane	1.717	30044866	1007.032	PPMV
3)	Ethene	2.394	30152286	1001.975	PPMV
4)	Propane	2.828	46124946	1095.317	PPMV

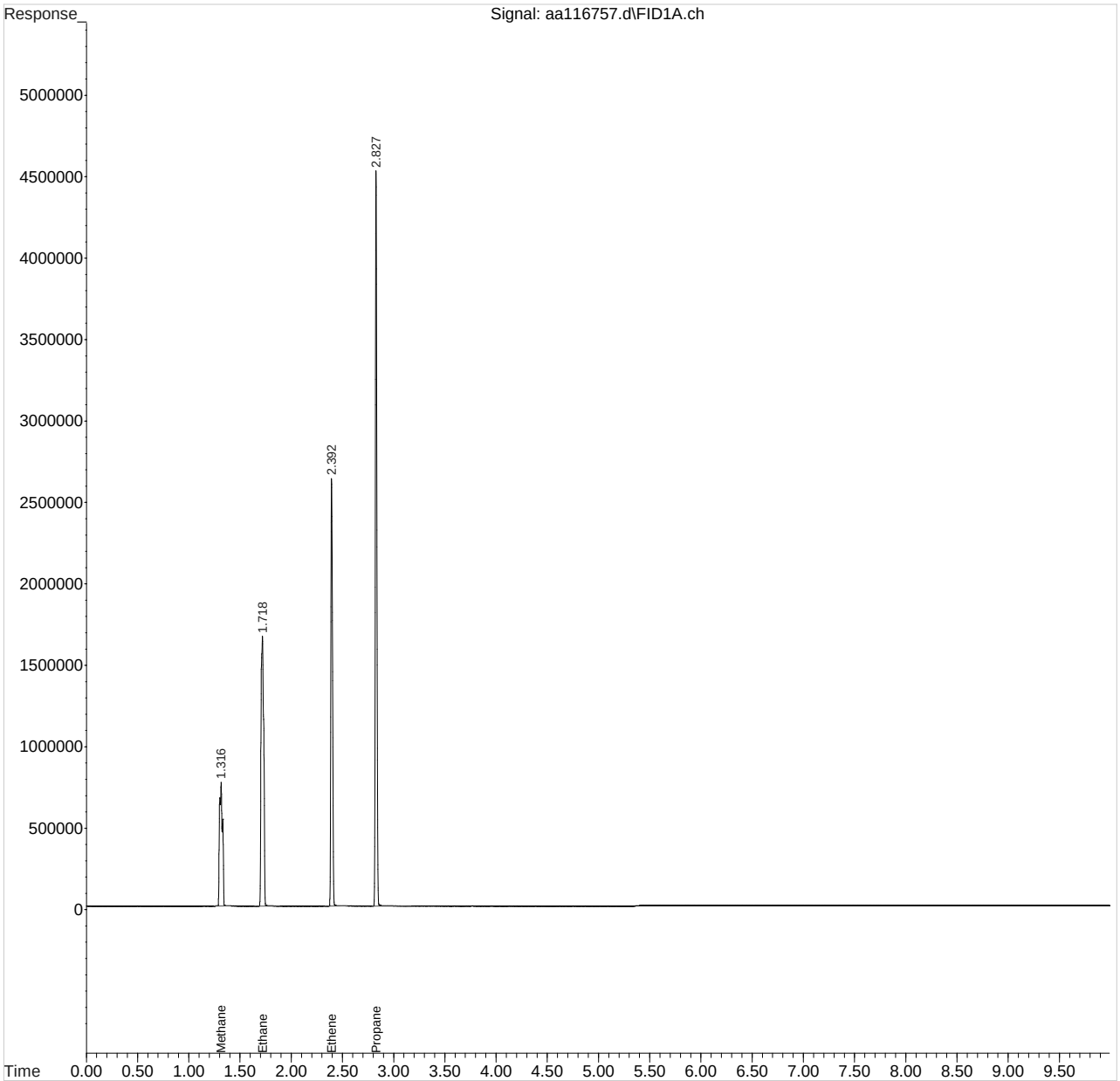
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa116757.d
Signal(s) : FID1A.ch
Acq On : 25 Jul 2025 3:06 pm
Operator : williamc
Sample : ic3333-1000
Misc : GC65024,GAA3333,,,,,1
ALS Vial : 8 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jul 25 15:16:56 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Mon Jul 14 10:45:48 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



AA116759.D

Manual Integrations APPROVED (compounds with "m" flag)

Kanya Veerawat 07/28/25 10:57

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa116759.d
Signal(s) : FID1A.ch
Acq On : 25 Jul 2025 3:46 pm
Operator : williamc
Sample : ic3333-1
Misc : GC65024,GAA3333,,,,,1
ALS Vial : 10 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jul 25 15:57:19 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Mon Jul 14 10:45:48 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df

	Compound	R.T.	Response	Conc Units
Target Compounds				
1)	Methane	1.335	17929	1.137 PPMV m
2)	Ethane	1.736	33505	1.123 PPMV
3)	Ethene	2.407f	34721	1.154 PPMV
4)	Propane	2.839	49584	1.177 PPMV

(f)=RT Delta > 1/2 Window (m)=manual int.

9.8.7

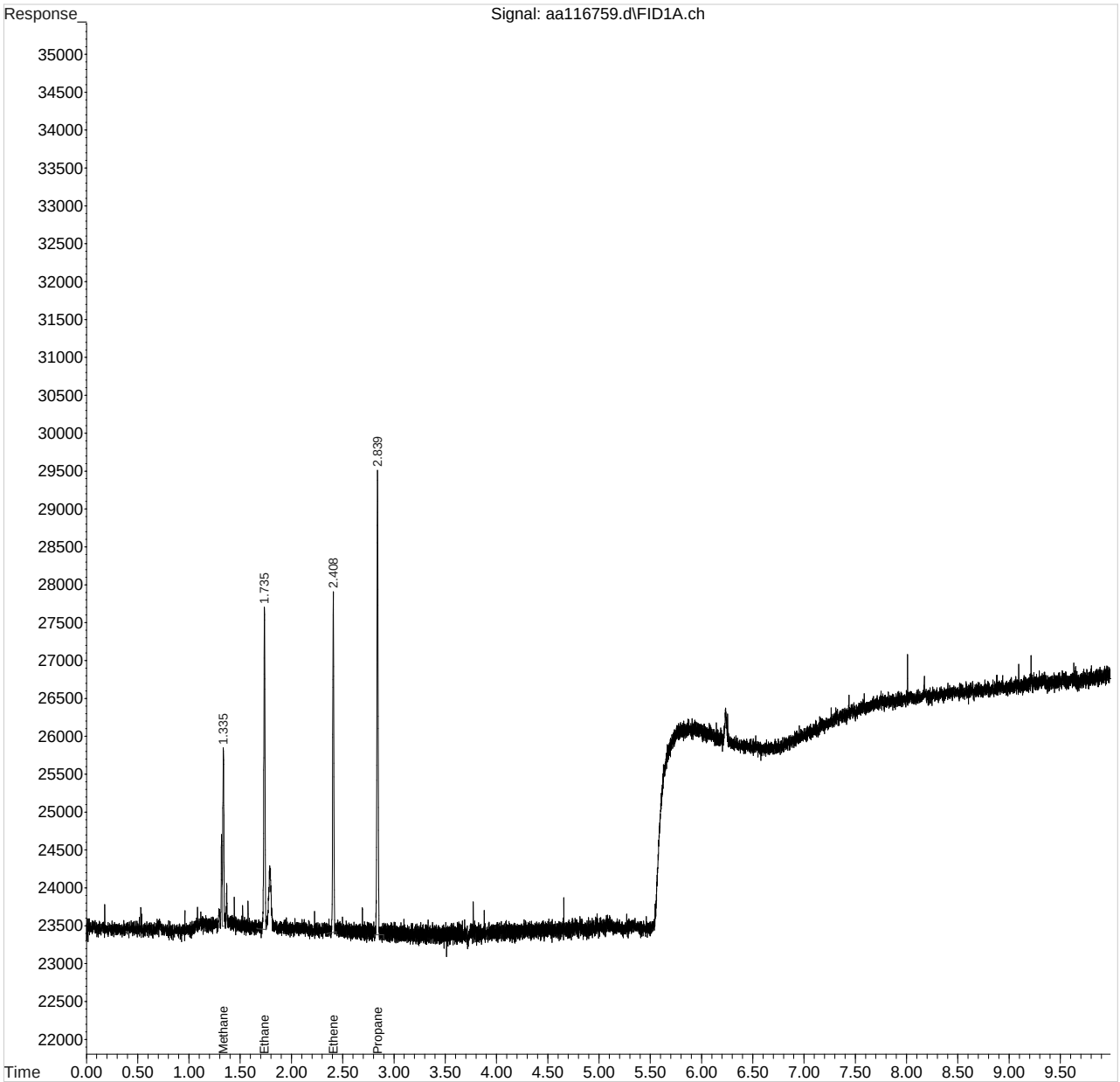
9

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa116759.d
Signal(s) : FID1A.ch
Acq On : 25 Jul 2025 3:46 pm
Operator : williamc
Sample : ic3333-1
Misc : GC65024,GAA3333,,,,,1
ALS Vial : 10 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jul 25 15:57:19 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Mon Jul 14 10:45:48 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



Manual Integration Approval Summary

Sample Number:	GAA3333-IC3333	**Method:**	RSK-175
Lab FileID:	AA116759.D	**Analyst approved:**	07/25/25 16:32 William Cruser
Injection Time:	07/25/25 15:46	**Supervisor approved:**	07/28/25 10:57 Kanya Veerawat

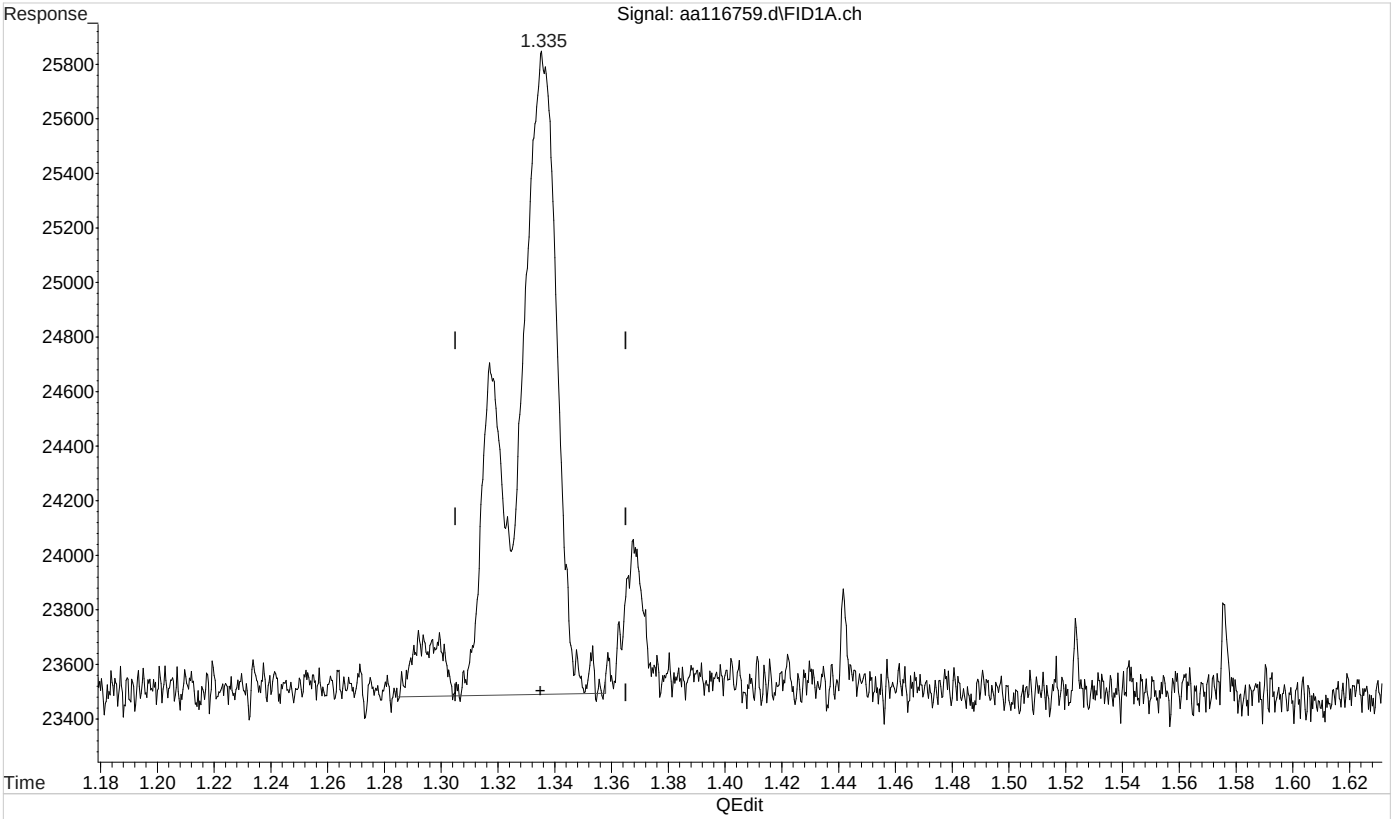
Parameter	CAS	Sig#	R.T. (min.)	Reason
Methane	74-82-8	1	1.34	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa116759.d
Signal(s) : FID1A.ch
Acq On : 25 Jul 2025 3:46 pm
Operator : williamc
Sample : ic3333-1
Misc : GC65024,GAA3333,,,,,1
ALS Vial : 10 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jul 25 15:56:43 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Mon Jul 14 10:45:48 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



(1) Methane

1.336min 1.682PPMV

response 26529

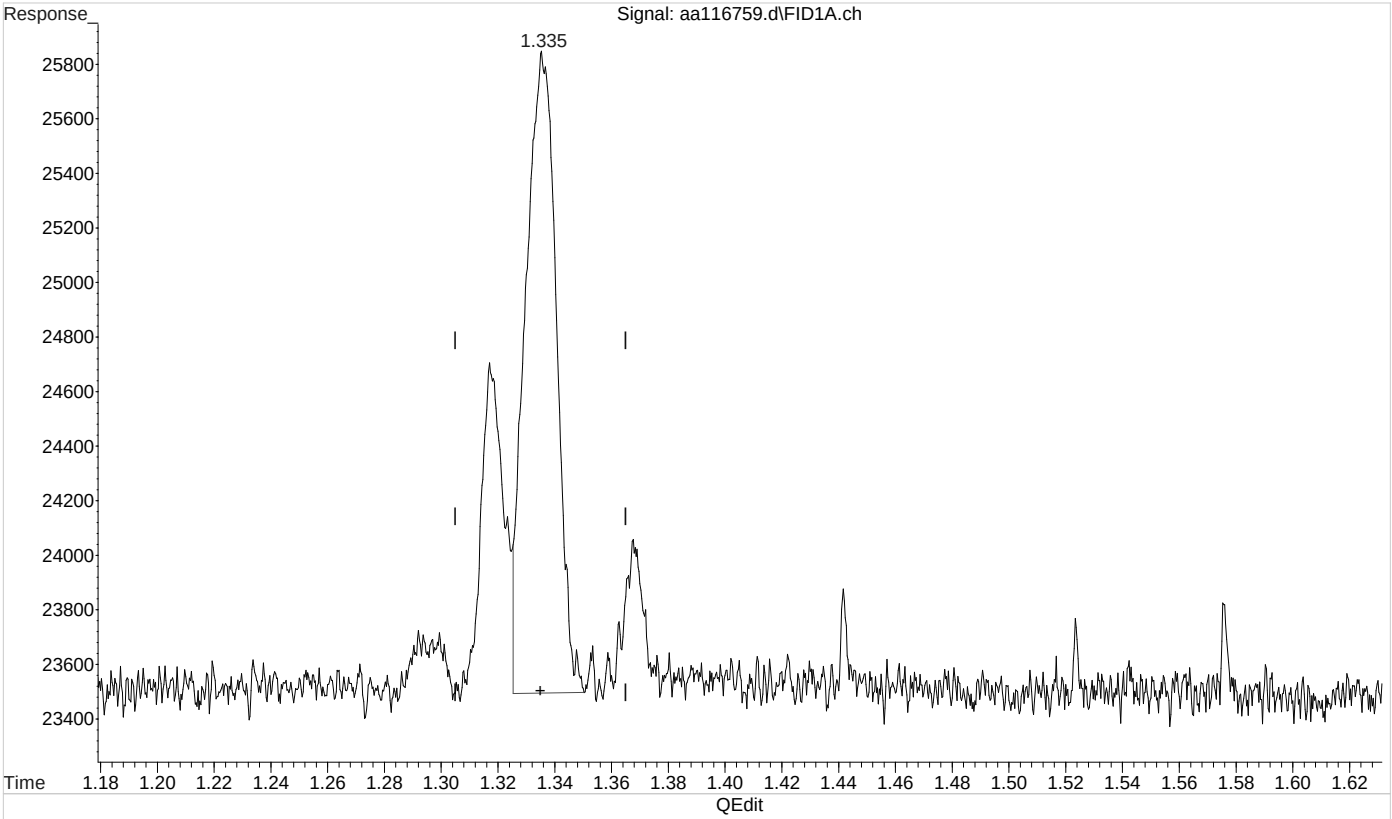
(+) = Expected Retention Time
MAA3333.M Fri Jul 25 15:57:16 2025 AA

Quantitation Report (Qedit)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa116759.d
Signal(s) : FID1A.ch
Acq On : 25 Jul 2025 3:46 pm
Operator : williamc
Sample : ic3333-1
Misc : GC65024,GAA3333,,,,,1
ALS Vial : 10 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jul 25 15:56:43 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Mon Jul 14 10:45:48 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



(1) Methane

1.335min 1.137PPMV m

response 17929

(+) = Expected Retention Time
MAA3333.M Fri Jul 25 15:57:22 2025 AA

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 07/28/25 10:57

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa116760.d
Signal(s) : FID1A.ch
Acq On : 25 Jul 2025 3:59 pm
Operator : williamc
Sample : ic3333-2
Misc : GC65024,GAA3333,,,,,1
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jul 25 16:10:16 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Mon Jul 14 10:45:48 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df

	Compound	R.T.	Response	Conc Units
Target Compounds				
1)	Methane	1.335	31454	1.994 PPMV
2)	Ethane	1.736	56573	1.896 PPMV
3)	Ethene	2.406f	55819	1.855 PPMV m
4)	Propane	2.837	87326	2.074 PPMV

(f)=RT Delta > 1/2 Window (m)=manual int.

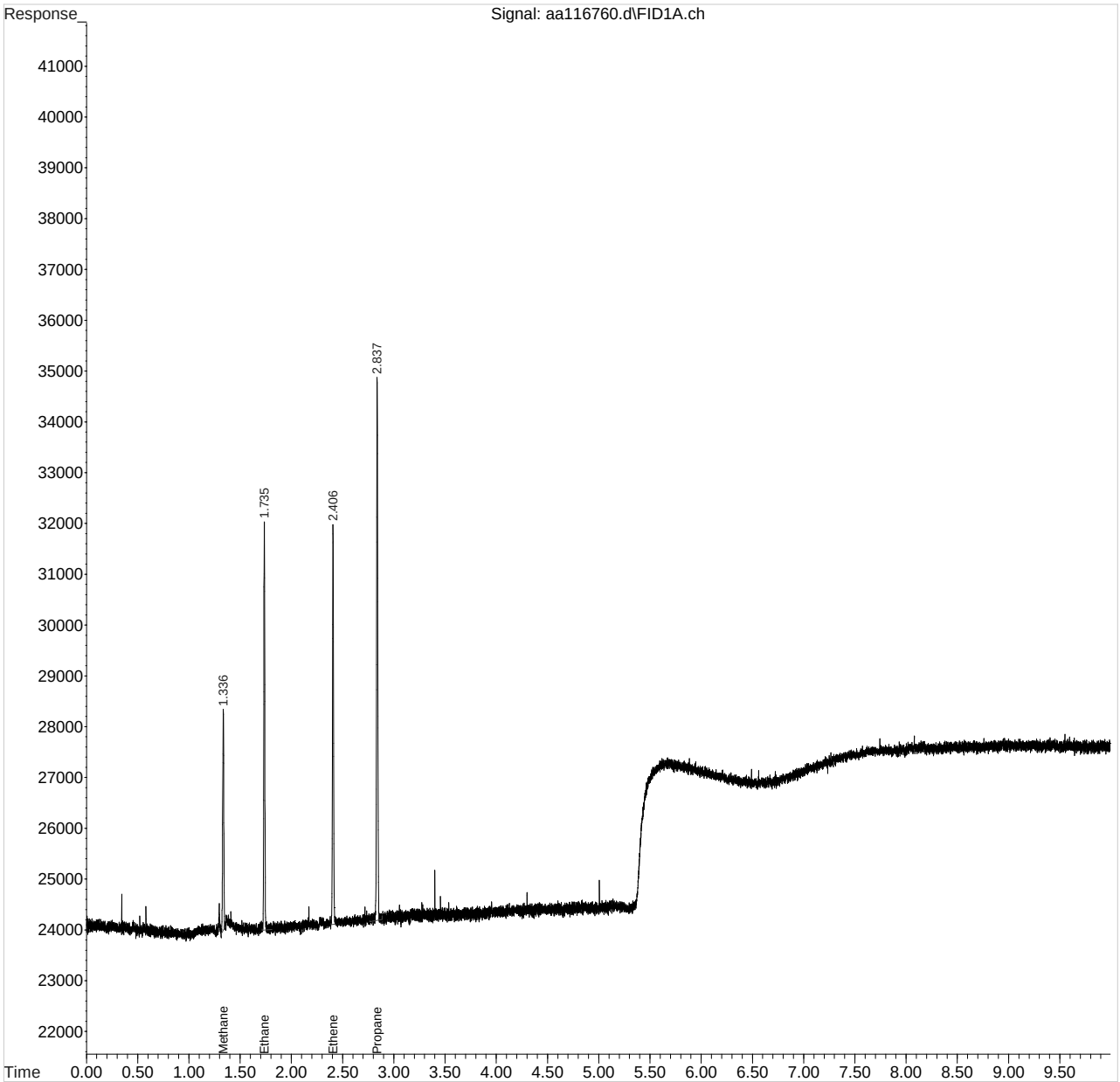
9.8.8

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa116760.d
Signal(s) : FID1A.ch
Acq On : 25 Jul 2025 3:59 pm
Operator : williamc
Sample : ic3333-2
Misc : GC65024,GAA3333,,,,,1
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jul 25 16:10:16 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Mon Jul 14 10:45:48 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



Manual Integration Approval Summary

Sample Number: GAA3333-IC3333
Lab FileID: AA116760.D
Injection Time: 07/25/25 15:59
Method: RSK-175
Analyst approved: 07/25/25 16:32 William Cruser
Supervisor approved: 07/28/25 10:57 Kanya Veerawat

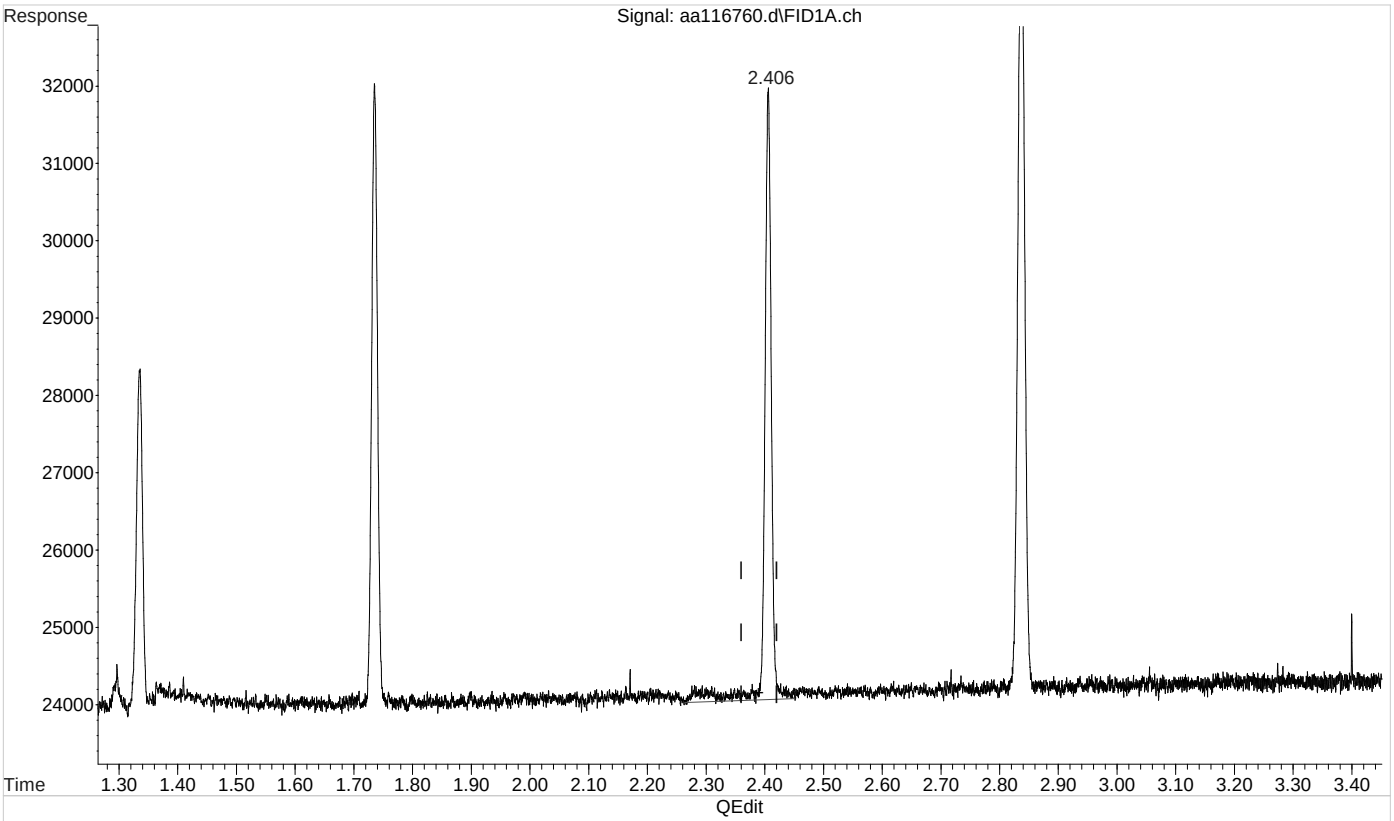
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethene	74-85-1	1	2.41	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa116760.d
Signal(s) : FID1A.ch
Acq On : 25 Jul 2025 3:59 pm
Operator : williamc
Sample : ic3333-2
Misc : GC65024,GAA3333,,,,,1
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jul 25 16:09:37 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Mon Jul 14 10:45:48 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



(3) Ethene

2.406min 2.122PPMV

response 63852

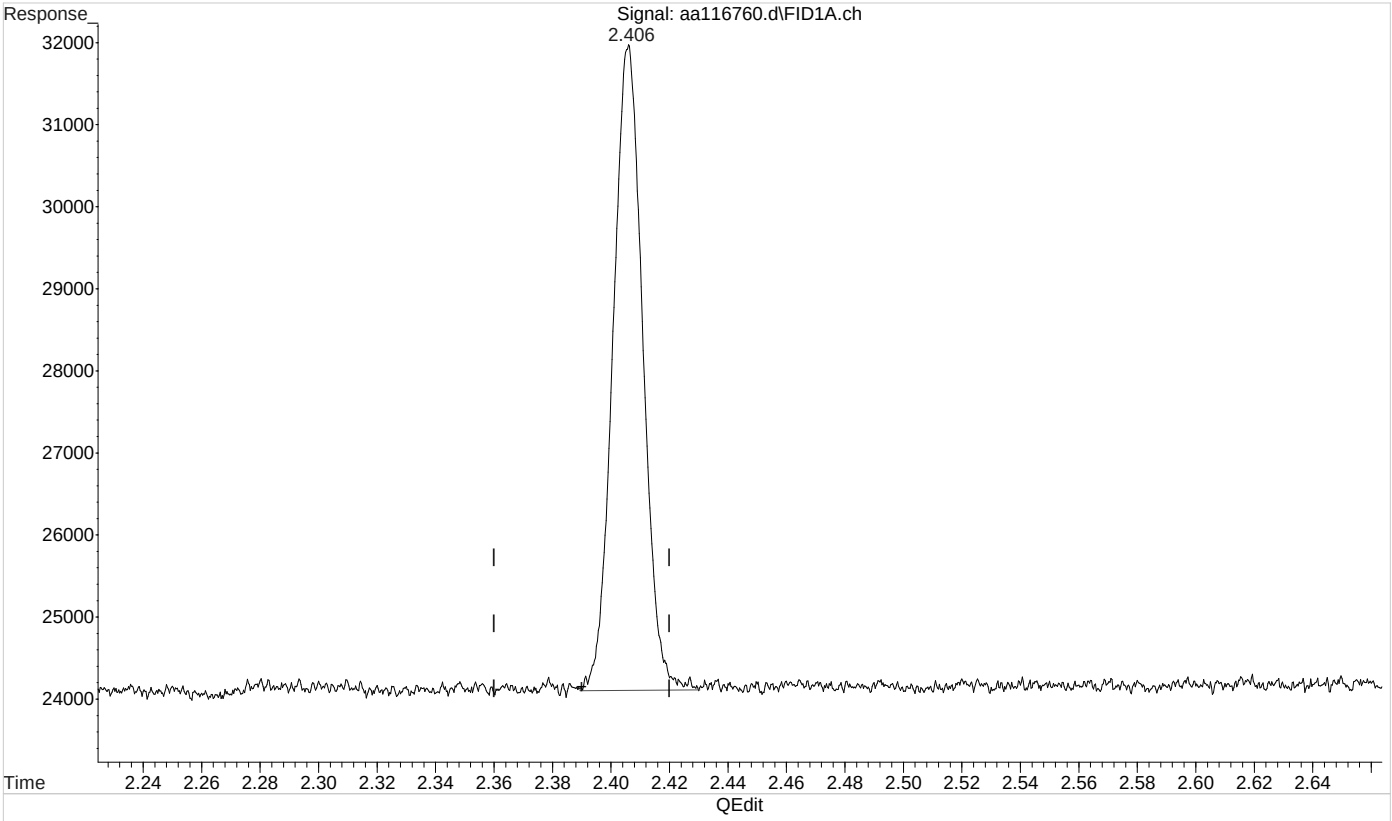
(+) = Expected Retention Time
MAA3333.M Fri Jul 25 16:10:08 2025 AA

Quantitation Report (Qedit)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa116760.d
Signal(s) : FID1A.ch
Acq On : 25 Jul 2025 3:59 pm
Operator : williamc
Sample : ic3333-2
Misc : GC65024,GAA3333,,,,,1
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jul 25 16:09:37 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Mon Jul 14 10:45:48 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



(3) Ethene

2.406min 1.855PPMV m

response 55819

(+) = Expected Retention Time
MAA3333.M Fri Jul 25 16:10:19 2025 AA

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa116761.d
Signal(s) : FID1A.ch
Acq On : 25 Jul 2025 4:13 pm
Operator : williamc
Sample : icv3333-100
Misc : GC65024,GAA3333,,,,,1
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jul 25 16:23:52 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df

	Compound	R.T.	Response	Conc Units
Target Compounds				
1)	Methane	1.338	1558496	95.080 PPMV
2)	Ethane	1.738	2991336	96.364 PPMV
3)	Ethene	2.406	2996463	95.919 PPMV
4)	Propane	2.838	4247792	89.419 PPMV

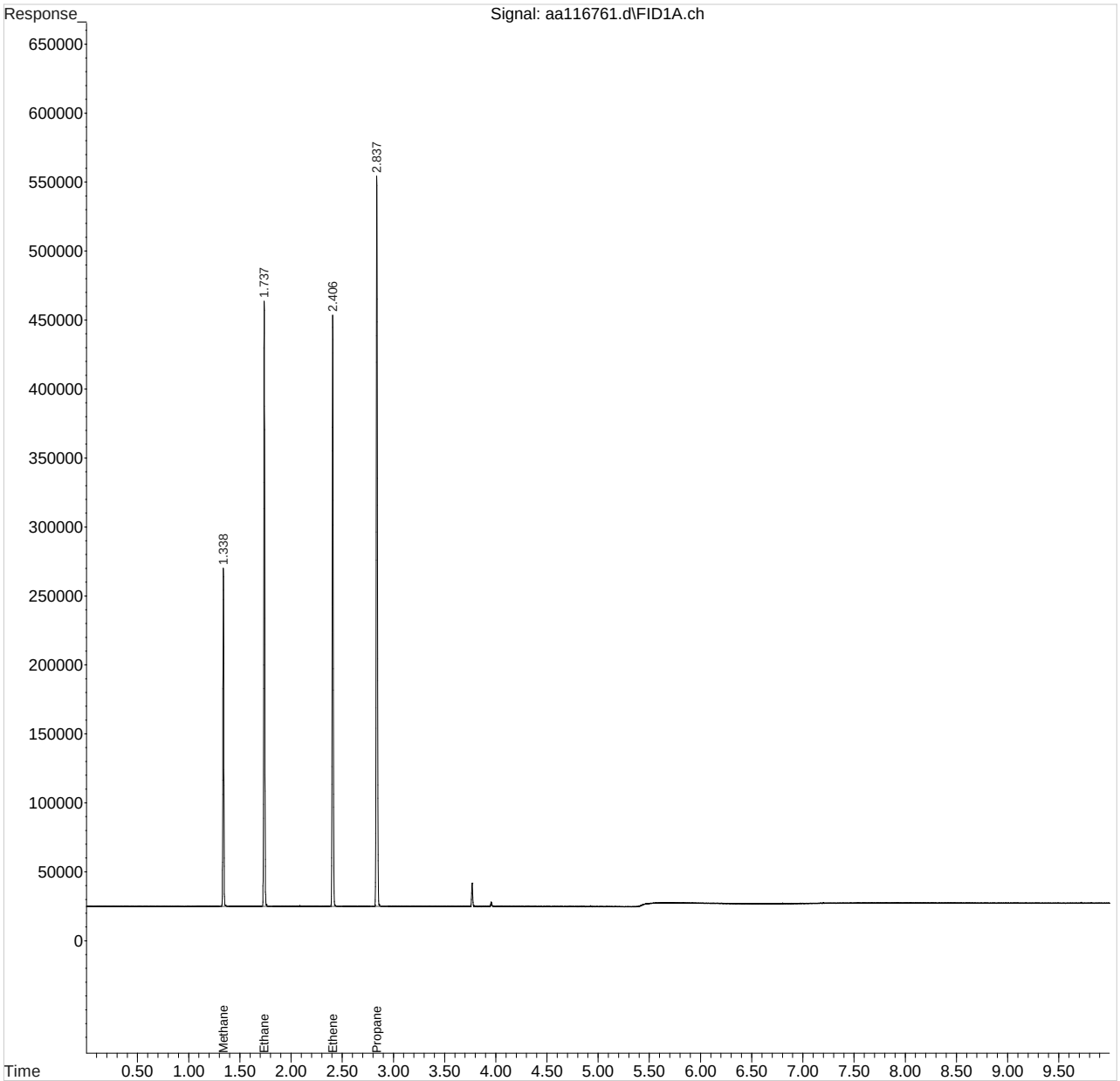
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa116761.d
Signal(s) : FID1A.ch
Acq On : 25 Jul 2025 4:13 pm
Operator : williamc
Sample : icv3333-100
Misc : GC65024,GAA3333,,,,,1
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Jul 25 16:23:52 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118301.d
Signal(s) : FID1A.ch
Acq On : 28 Oct 2025 8:21 am
Operator : williamc
Sample : cc3333-100
Misc : GC65419,GAA3397,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 28 08:31:21 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	1.341	1686371	102.881	PPMV
2)	Ethane	1.741	3223719	103.850	PPMV
3)	Ethene	2.412	3235591	103.574	PPMV
4)	Propane	2.843	4942435	104.042	PPMV

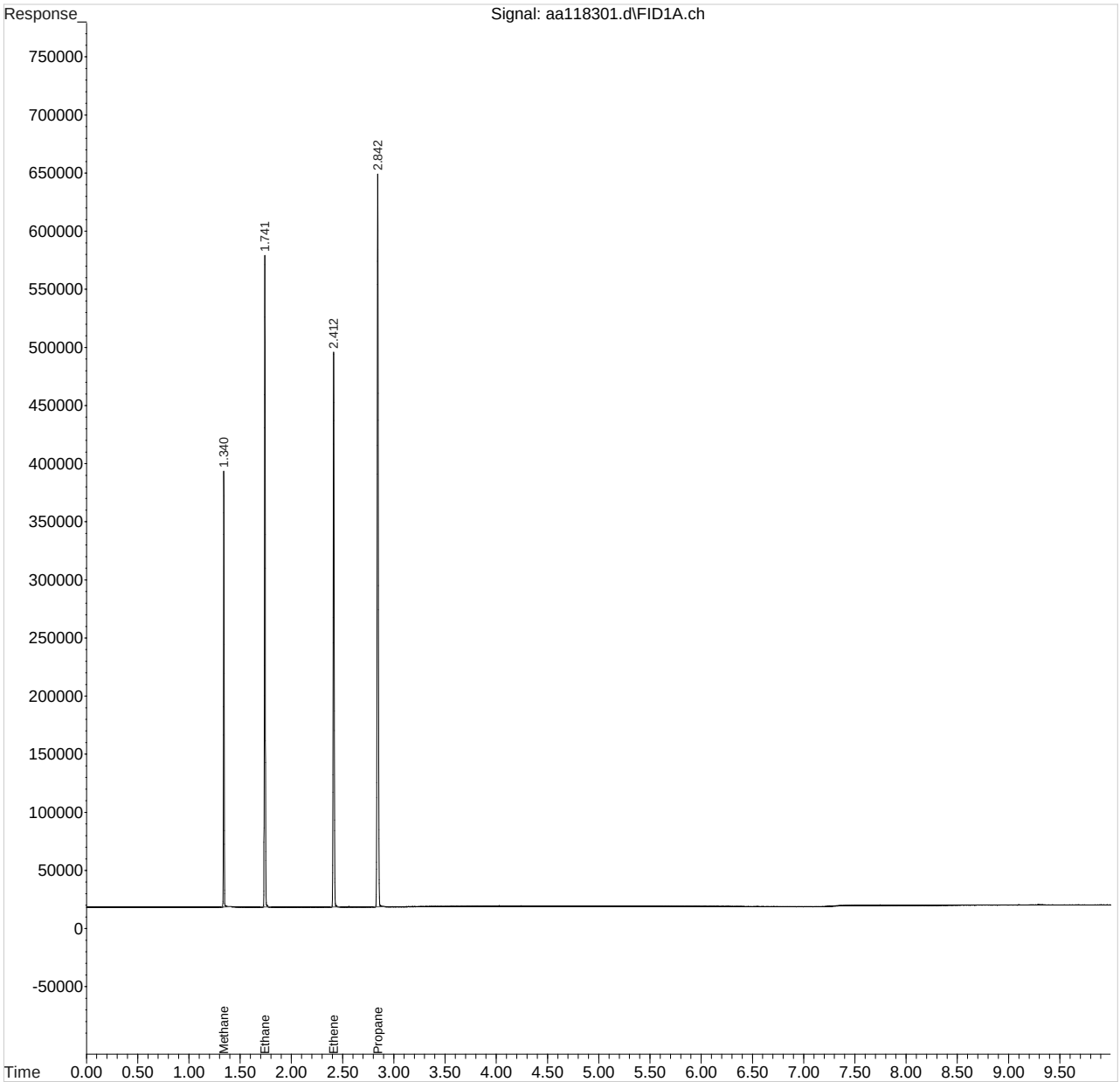
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118301.d
Signal(s) : FID1A.ch
Acq On : 28 Oct 2025 8:21 am
Operator : williamc
Sample : cc3333-100
Misc : GC65419,GAA3397,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 28 08:31:21 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118316.d
Signal(s) : FID1A.ch
Acq On : 28 Oct 2025 1:02 pm
Operator : williamc
Sample : cc3333-100
Misc : GC65392,GAA3397,,,,,1
ALS Vial : 16 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 28 13:12:16 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	1.342	1630251	99.458	PPMV
2)	Ethane	1.742	3132128	100.900	PPMV
3)	Ethene	2.414	3142701	100.601	PPMV
4)	Propane	2.844	4810809	101.271	PPMV

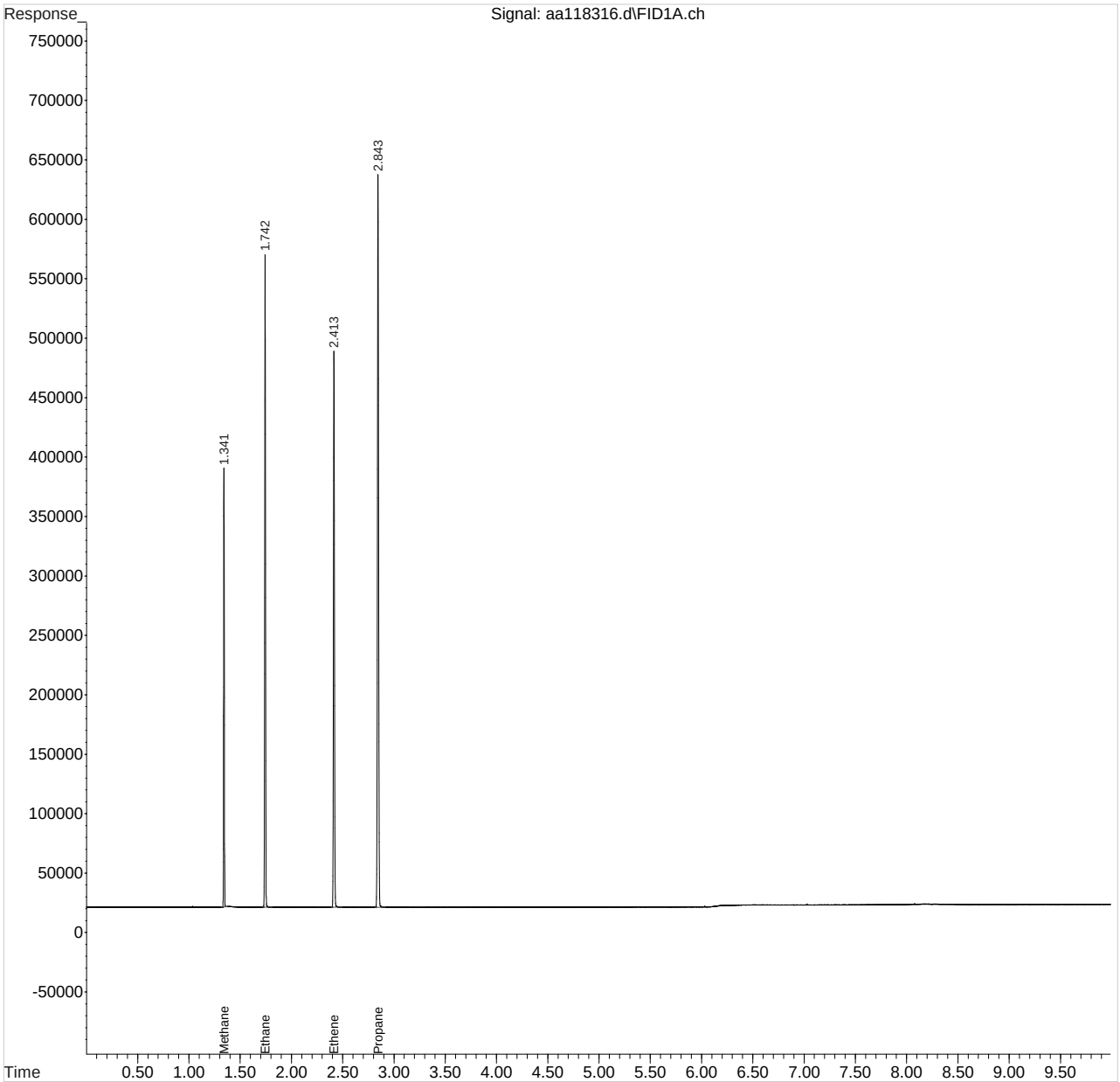
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118316.d
Signal(s) : FID1A.ch
Acq On : 28 Oct 2025 1:02 pm
Operator : williamc
Sample : cc3333-100
Misc : GC65392,GAA3397,,,,,1
ALS Vial : 16 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 28 13:12:16 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118329.d
Signal(s) : FID1A.ch
Acq On : 28 Oct 2025 4:13 pm
Operator : williamc
Sample : cc3333-100
Misc : GC65438,GAA3397,,,,,1
ALS Vial : 29 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 28 16:23:29 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	Methane	1.343	1648048	100.544	PPMV
2)	Ethane	1.744	3161052	101.831	PPMV
3)	Ethene	2.416	3171121	101.510	PPMV
4)	Propane	2.845	4848380	102.062	PPMV

(f)=RT Delta > 1/2 Window (m)=manual int.

9.8.12

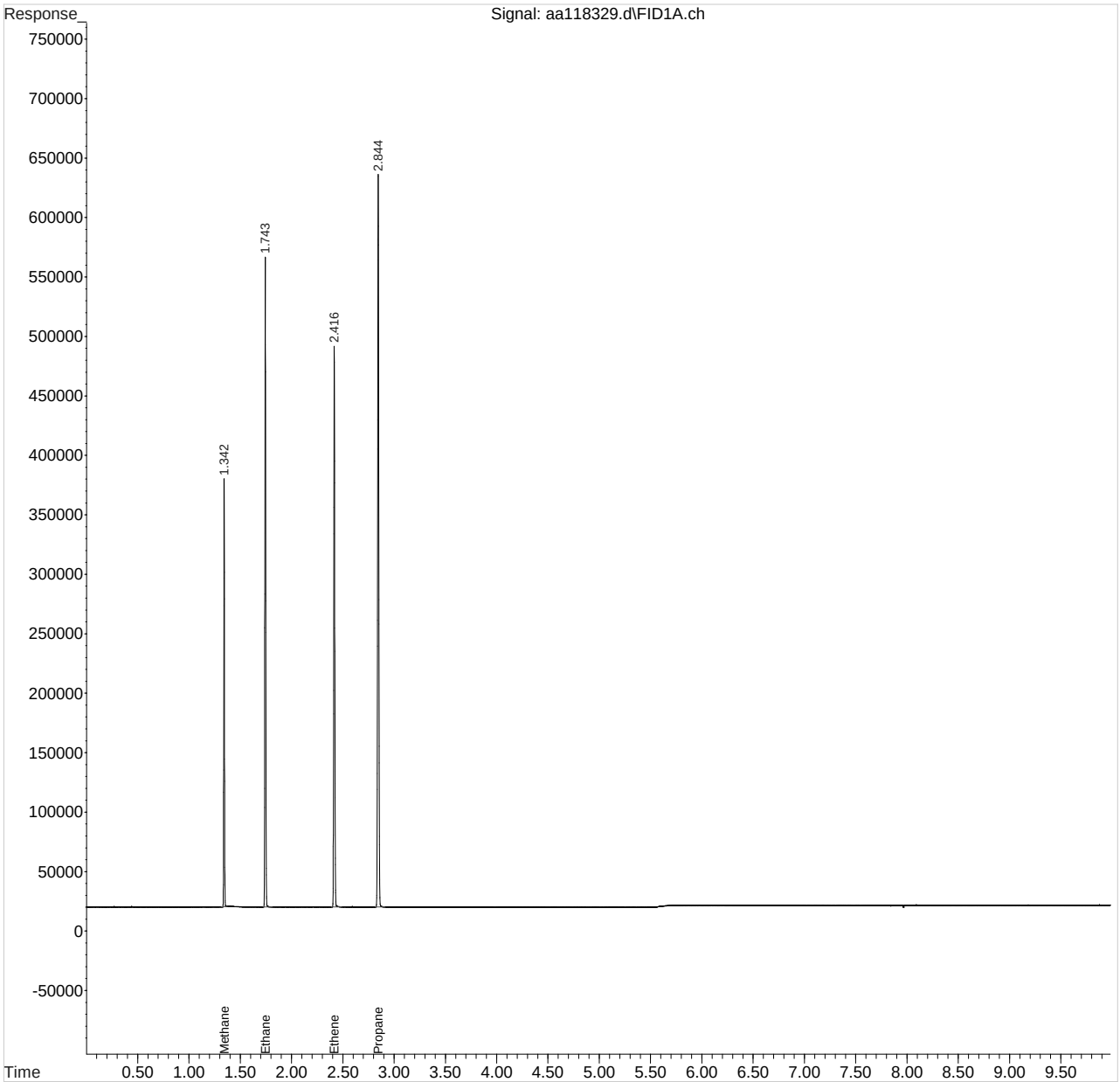
9

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : aa118329.d
Signal(s) : FID1A.ch
Acq On : 28 Oct 2025 4:13 pm
Operator : williamc
Sample : cc3333-100
Misc : GC65438,GAA3397,,,,,1
ALS Vial : 29 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 28 16:23:29 2025
Quant Method : C:\MSDCHEM\1\METHODS\MAA3333.M
Quant Title : METHOD V8015 DG by GC-FID
QLast Update : Fri Jul 25 16:10:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 0.5 ml
Signal Phase : Rt-Alumina BOND/Na2SO4
Signal Info : 50m x 0.53 mm ID x 10um df



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\GKM588\
Data File : KM14014.D
Signal(s) : FID1A.CH
Acq On : 09 Oct 2025 3:58 pm
Operator : johnn
Sample : IC588-200
Misc : GC65359,GKM588,5.0,,,,1
ALS Vial : 8 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 09 18:50:21 2025
Quant Method : C:\MSDCHEM\1\METHODS\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Thu Oct 09 18:50:07 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) S a,a,a-Trifluorotoluene	10.971	209303400	277.757 ug/l
Spiked Amount 300.000	Range 70 - 116	Recovery = 92.59%	
Target Compounds			
1) H TPH-GRO (C6-C10)	10.970	89843651	256.868 ug/l
2) H TPH-GRO (C6-C12)	10.970	85320459	292.522 ug/l

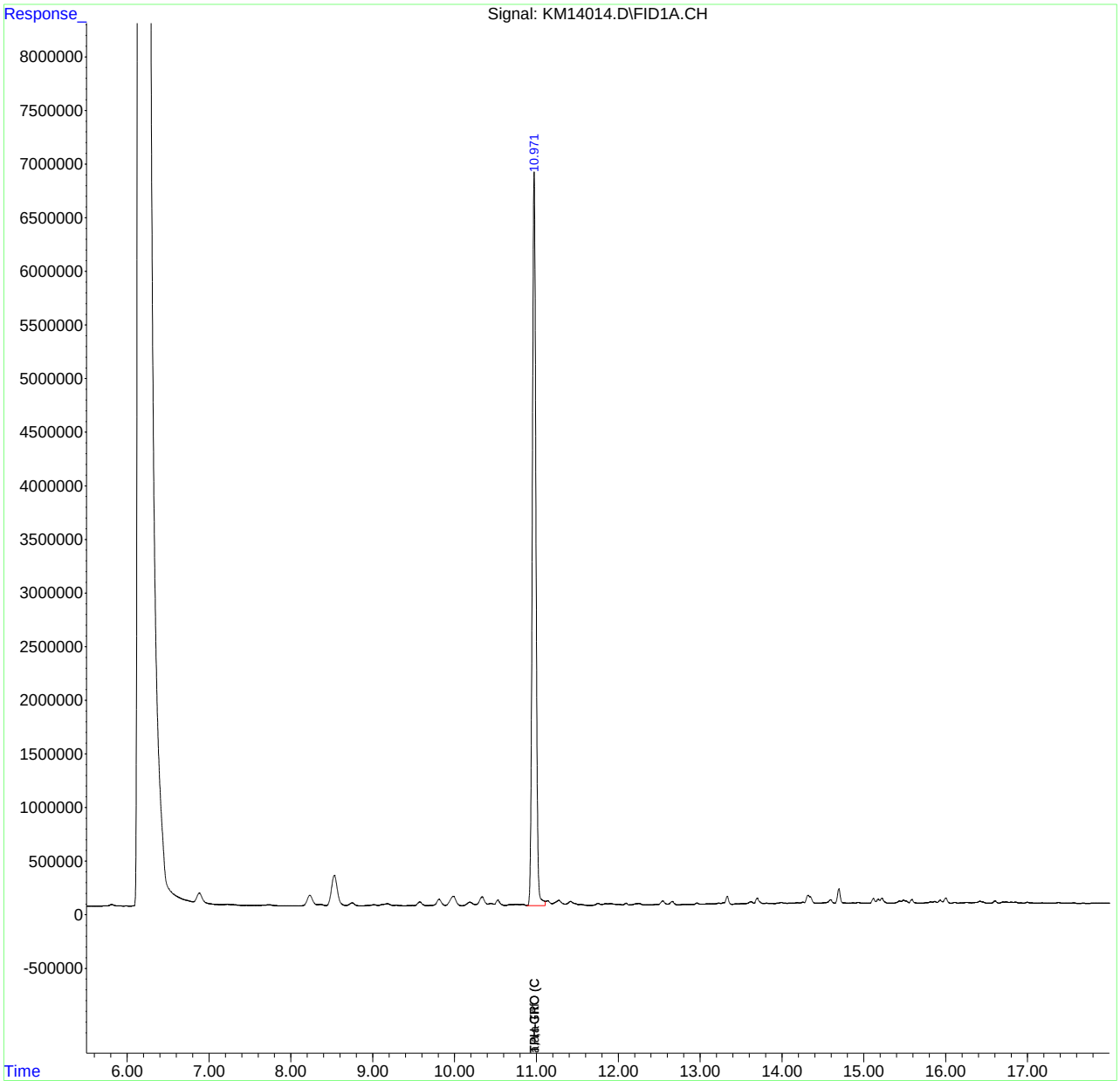
(f)=RT Delta > 1/2 Window (m)=manual int.

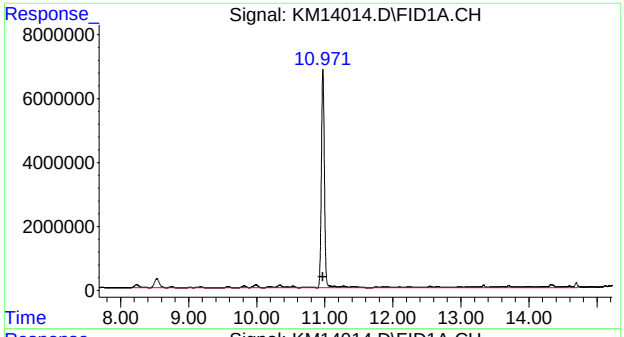
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\GKM588\
Data File : KM14014.D
Signal(s) : FID1A.CH
Acq On : 09 Oct 2025 3:58 pm
Operator : johnn
Sample : IC588-200
Misc : GC65359,GKM588,5.0,,,,1
ALS Vial : 8 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 09 18:50:21 2025
Quant Method : C:\MSDCHEM\1\METHODS\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Thu Oct 09 18:50:07 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

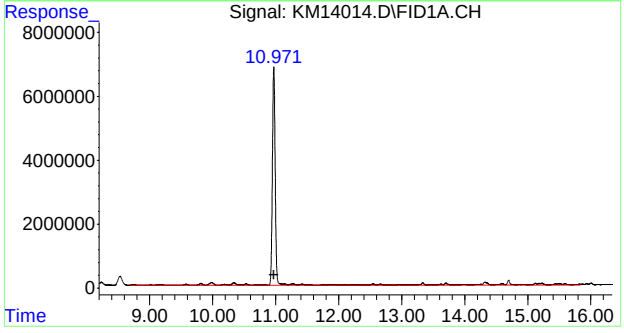
Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um





#1 TPH-GRO (C6-C10)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 89843651
Conc: 256.87 ug/l m



#2 TPH-GRO (C6-C12)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 85320459
Conc: 292.52 ug/l m

9.8.13

9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\GKM588\
Data File : KM14015.D
Signal(s) : FID1A.CH
Acq On : 09 Oct 2025 4:23 pm
Operator : johnn
Sample : IC588-800
Misc : GC65359,GKM588,5.0,,,,1
ALS Vial : 9 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 09 18:50:22 2025
Quant Method : C:\MSDCHEM\1\METHODS\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Thu Oct 09 18:50:07 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) S a,a,a-Trifluorotoluene	10.969	210295055	279.073 ug/l
Spiked Amount 300.000	Range 70 - 116	Recovery = 93.02%	
Target Compounds			
1) H TPH-GRO (C6-C10)	10.970	284901427	814.548 ug/l
2) H TPH-GRO (C6-C12)	10.970	242615077	831.807 ug/l

(f)=RT Delta > 1/2 Window (m)=manual int.

9.8.14

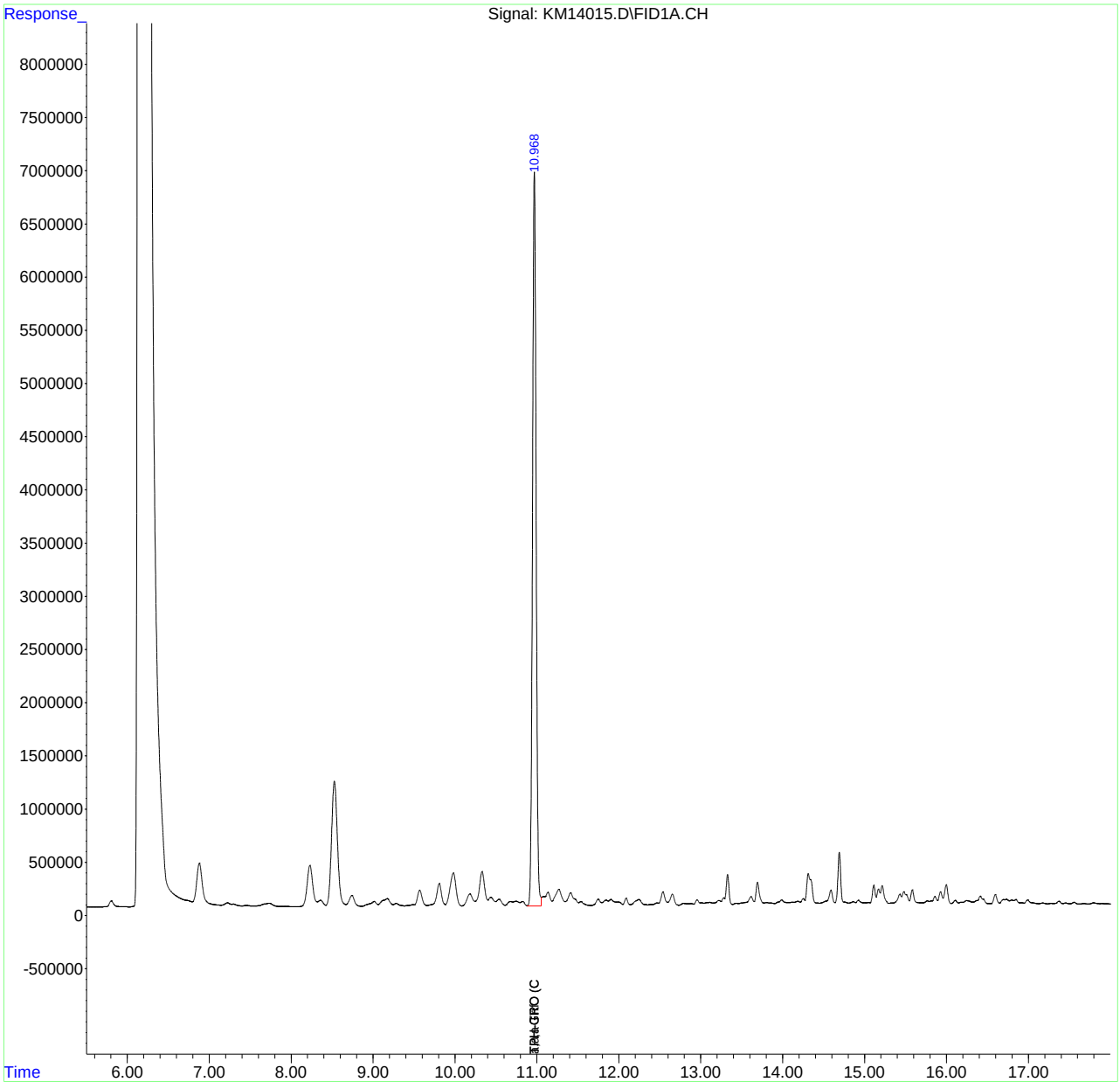
9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\GKM588\
Data File : KM14015.D
Signal(s) : FID1A.CH
Acq On : 09 Oct 2025 4:23 pm
Operator : johnn
Sample : IC588-800
Misc : GC65359,GKM588,5.0,,,,1
ALS Vial : 9 Sample Multiplier: 1

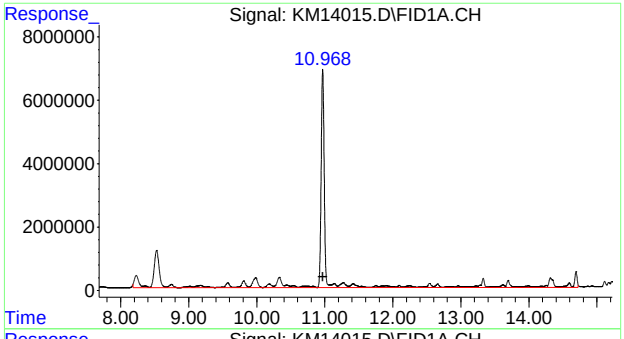
Integration File: AUTOINT1.E
Quant Time: Oct 09 18:50:22 2025
Quant Method : C:\MSDCHEM\1\METHODS\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Thu Oct 09 18:50:07 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um



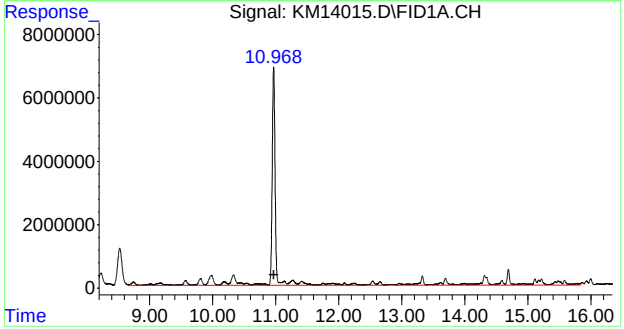
9.8.14

9



#1 TPH-GRO (C6-C10)

R.T.:	10.970 min
Delta R.T.:	0.000 min
Response:	284901427
Conc:	814.55 ug/l m



#2 TPH-GRO (C6-C12)

R.T.:	10.970 min
Delta R.T.:	0.000 min
Response:	242615077
Conc:	831.81 ug/l m

9.8.14

9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\GKM588\
Data File : KM14016.D
Signal(s) : FID1A.CH
Acq On : 09 Oct 2025 4:49 pm
Operator : johnn
Sample : IC588-4000
Misc : GC65359,GKM588,5.0,,,,1
ALS Vial : 10 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 09 18:50:23 2025
Quant Method : C:\MSDCHEM\1\METHODS\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Thu Oct 09 18:50:07 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) S a,a,a-Trifluorotoluene	10.970	219616982	291.444 ug/l
Spiked Amount 300.000	Range 70 - 116	Recovery = 97.15%	
Target Compounds			
1) H TPH-GRO (C6-C10)	10.970	1477217736	4223.442 ug/l
2) H TPH-GRO (C6-C12)	10.970	1220920848	4185.933 ug/l

(f)=RT Delta > 1/2 Window (m)=manual int.

9.8.15

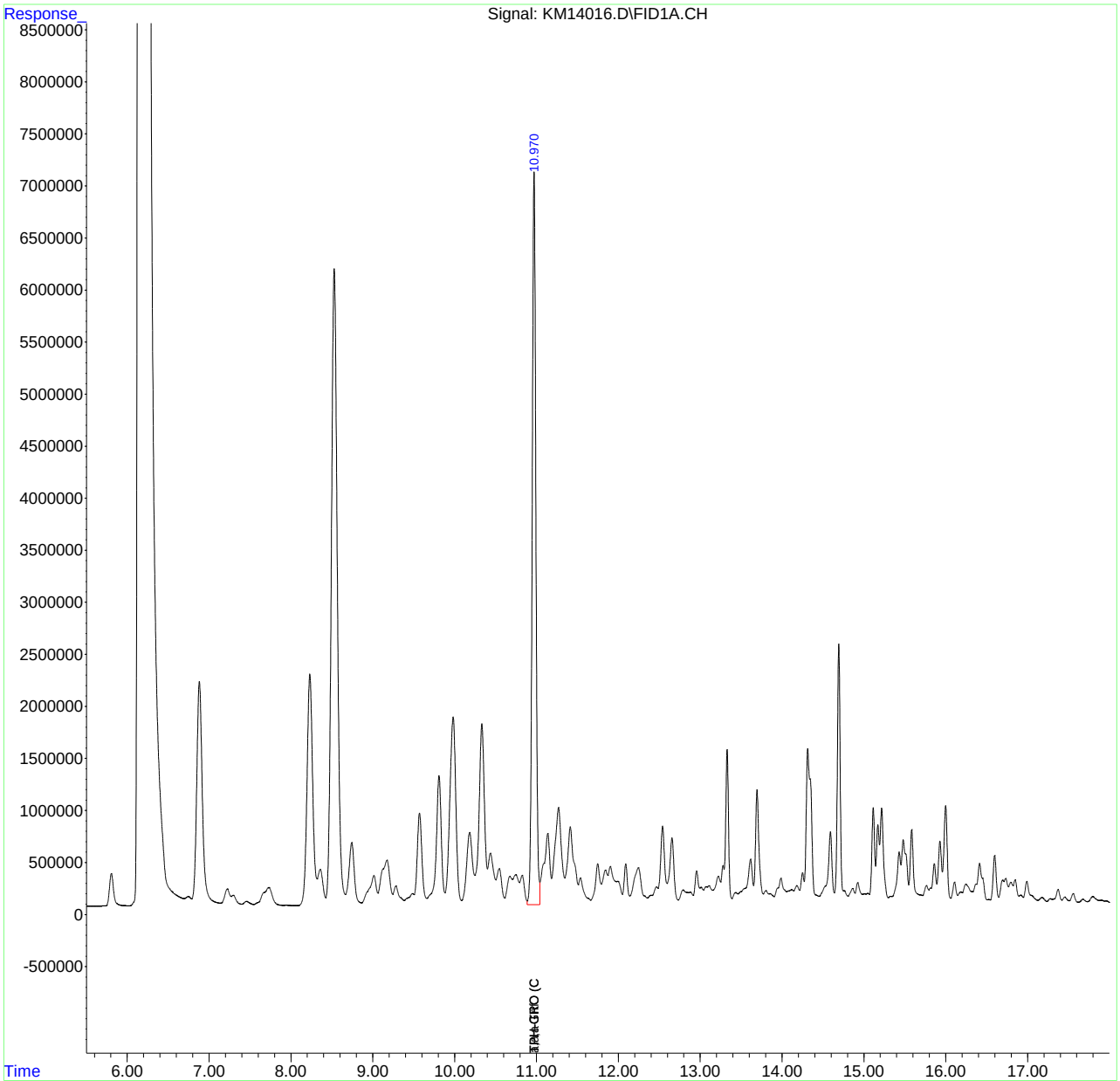
6

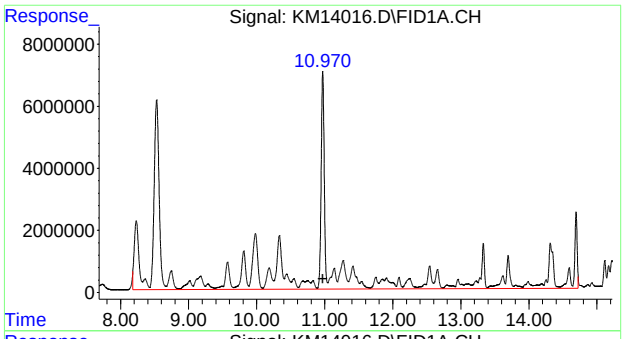
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\GKM588\
Data File : KM14016.D
Signal(s) : FID1A.CH
Acq On : 09 Oct 2025 4:49 pm
Operator : johnn
Sample : IC588-4000
Misc : GC65359,GKM588,5.0,,,,1
ALS Vial : 10 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 09 18:50:23 2025
Quant Method : C:\MSDCHEM\1\METHODS\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Thu Oct 09 18:50:07 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

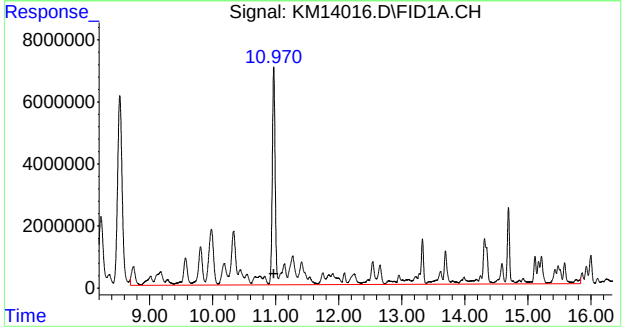
Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um





#1 TPH-GRO (C6-C10)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 1477217736
Conc: 4223.44 ug/l m



#2 TPH-GRO (C6-C12)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 1220920848
Conc: 4185.93 ug/l m

9.8.15

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\GKM588\
Data File : KM14017.D
Signal(s) : FID1A.CH
Acq On : 09 Oct 2025 5:15 pm
Operator : johnn
Sample : ICC588-8000
Misc : GC65359,GKM588,5.0,,,,1
ALS Vial : 11 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 09 18:50:24 2025
Quant Method : C:\MSDCHEM\1\METHODS\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Thu Oct 09 18:50:07 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) S a,a,a-Trifluorotoluene	10.969	226064251	300.000 ug/l
Spiked Amount 300.000	Range 70 - 116	Recovery = 100.00%	
Target Compounds			
1) H TPH-GRO (C6-C10)	10.970	2798130192	8000.000 ug/l
2) H TPH-GRO (C6-C12)	10.970	2333378751	8000.000 ug/l

(f)=RT Delta > 1/2 Window (m)=manual int.

9.8.16

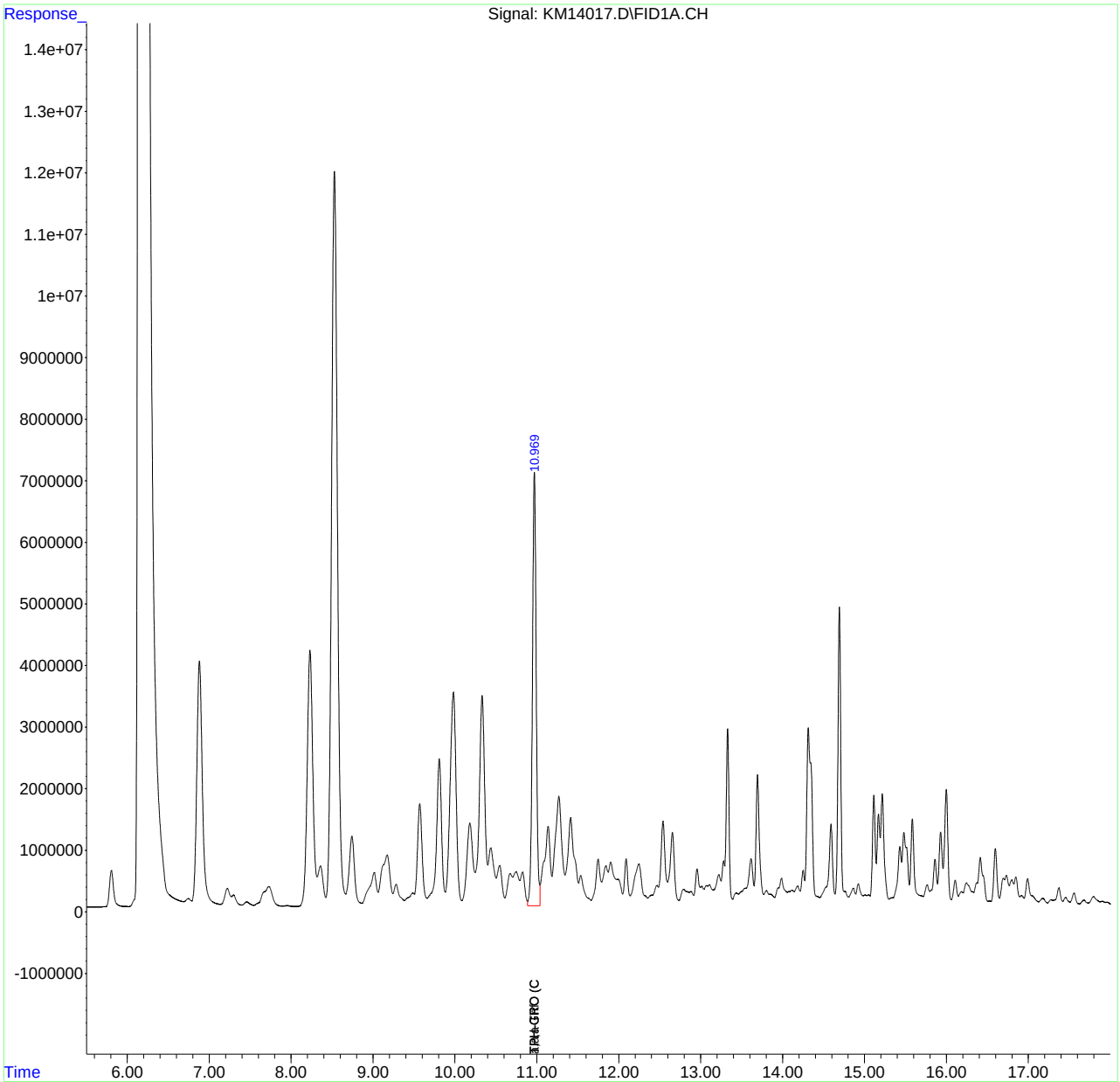
6

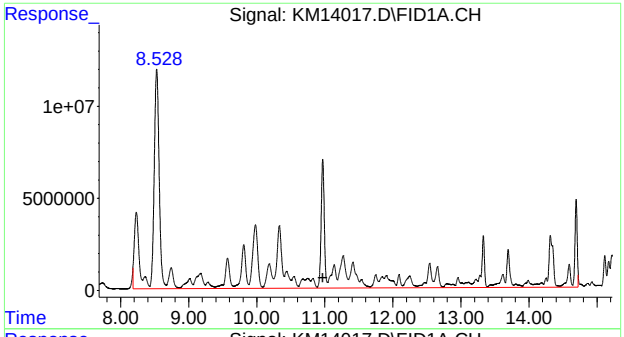
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\GKM588\
Data File : KM14017.D
Signal(s) : FID1A.CH
Acq On : 09 Oct 2025 5:15 pm
Operator : johnn
Sample : ICC588-8000
Misc : GC65359,GKM588,5.0,,,,1
ALS Vial : 11 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 09 18:50:24 2025
Quant Method : C:\MSDCHEM\1\METHODS\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Thu Oct 09 18:50:07 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

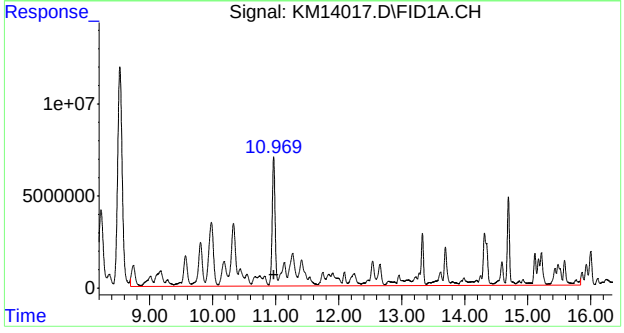
Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um





#1 TPH-GRO (C6-C10)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 2798130192
Conc: 8000.00 ug/l m



#2 TPH-GRO (C6-C12)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 2333378751
Conc: 8000.00 ug/l m

9.8.16

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\GKM588\
Data File : KM14018.D
Signal(s) : FID1A.CH
Acq On : 09 Oct 2025 5:41 pm
Operator : johnn
Sample : IC588-20000
Misc : GC65359,GKM588,5.0,,,,1
ALS Vial : 12 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 09 18:50:25 2025
Quant Method : C:\MSDCHEM\1\METHODS\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Thu Oct 09 18:50:07 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) S a,a,a-Trifluorotoluene	10.968	266036602	353.046 ug/l
Spiked Amount 300.000	Range 70 - 116	Recovery = 117.68%#	
Target Compounds			
1) H TPH-GRO (C6-C10)	10.970	7887732908	22551.439 ug/l
2) H TPH-GRO (C6-C12)	10.970	6651209776	22803.704 ug/l

(f)=RT Delta > 1/2 Window (m)=manual int.

9.8.17

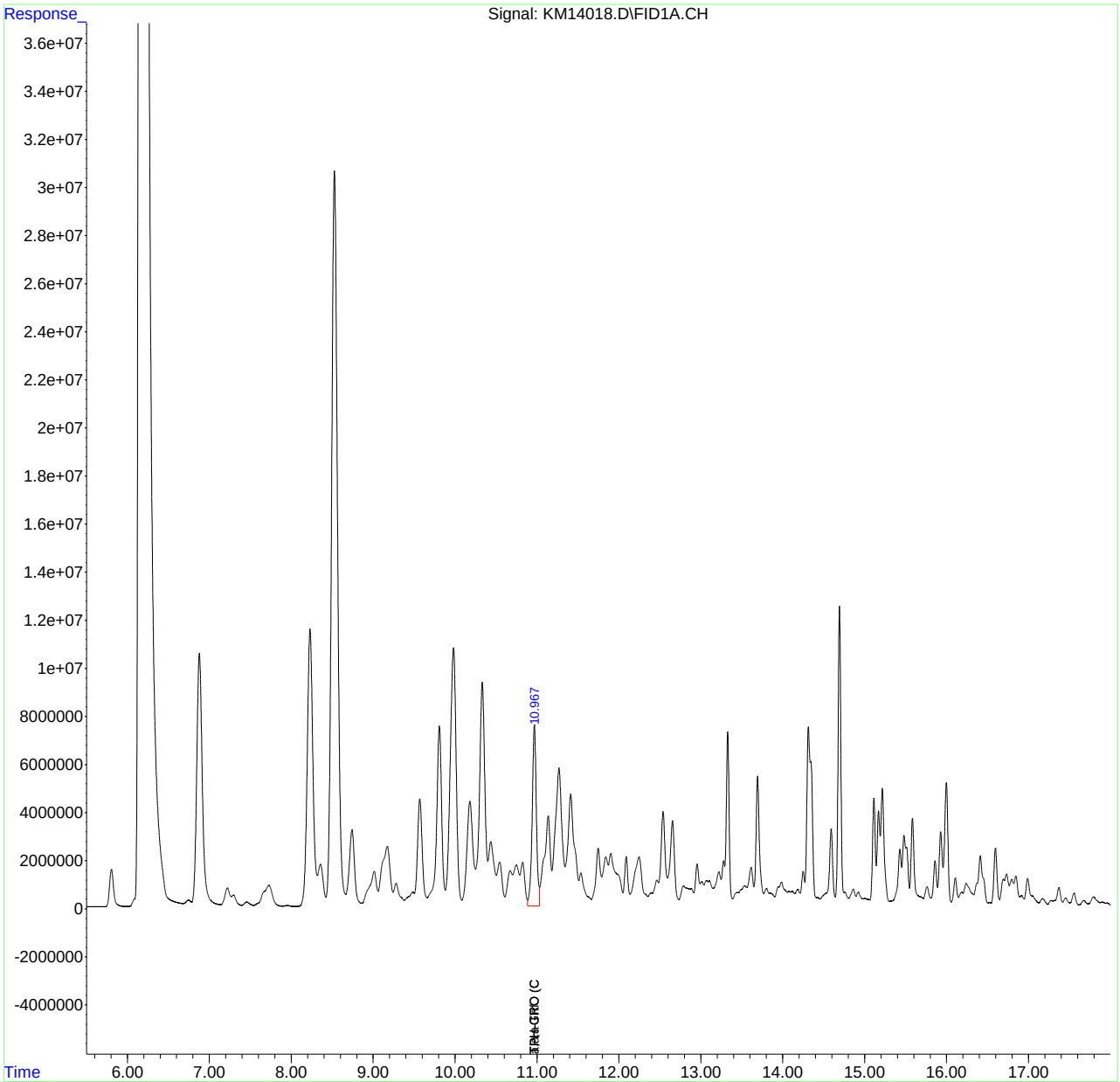
9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\GKM588\
Data File : KM14018.D
Signal(s) : FID1A.CH
Acq On : 09 Oct 2025 5:41 pm
Operator : johnn
Sample : IC588-20000
Misc : GC65359,GKM588,5.0,,,,1
ALS Vial : 12 Sample Multiplier: 1

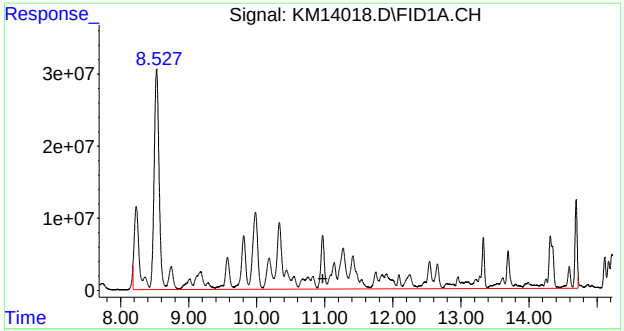
Integration File: AUTOINT1.E
Quant Time: Oct 09 18:50:25 2025
Quant Method : C:\MSDCHEM\1\METHODS\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Thu Oct 09 18:50:07 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um



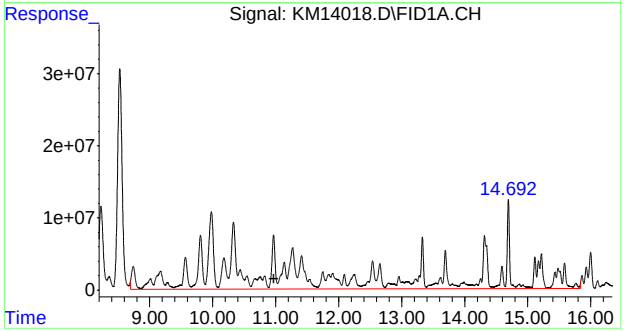
9.8.17

6



#1 TPH-GRO (C6-C10)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 7887732908
Conc: 22551.44 ug/l m



#2 TPH-GRO (C6-C12)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 6651209776
Conc: 22803.70 ug/l m

9.8.17

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\GKM588\
Data File : KM14019.D
Signal(s) : FID1A.CH
Acq On : 09 Oct 2025 6:06 pm
Operator : johnn
Sample : IC588-30000
Misc : GC65359,GKM588,5.0,,,,1
ALS Vial : 13 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 09 18:50:26 2025
Quant Method : C:\MSDCHEM\1\METHODS\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Thu Oct 09 18:50:07 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) S a,a,a-Trifluorotoluene	10.968	298297452	395.858 ug/l
Spiked Amount 300.000	Range 70 - 116	Recovery = 131.95%#	
Target Compounds			
1) H TPH-GRO (C6-C10)	10.970	11626805444	33241.643 ug/l
2) H TPH-GRO (C6-C12)	10.970	9690653022	33224.449 ug/l

(f)=RT Delta > 1/2 Window (m)=manual int.

9.8.18

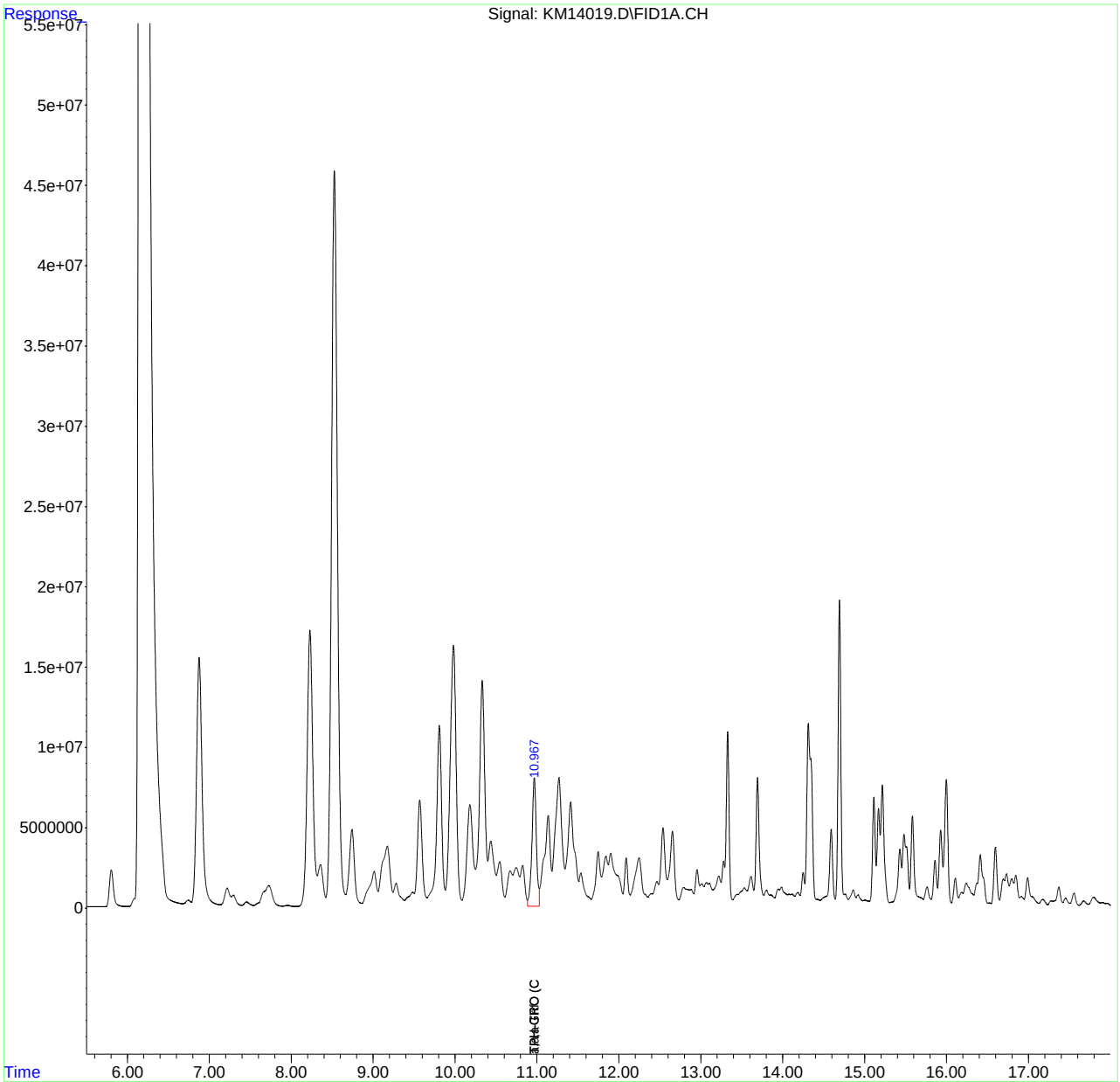
9

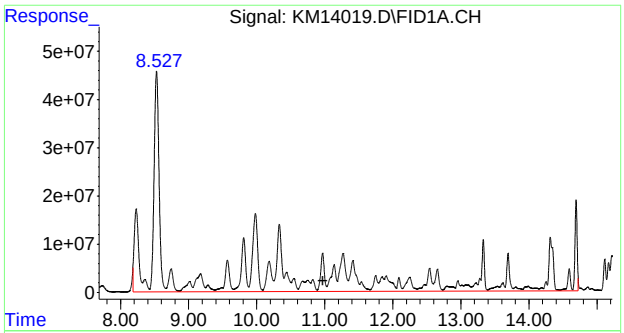
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\GKM588\
Data File : KM14019.D
Signal(s) : FID1A.CH
Acq On : 09 Oct 2025 6:06 pm
Operator : johnn
Sample : IC588-30000
Misc : GC65359,GKM588,5.0,,,,1
ALS Vial : 13 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 09 18:50:26 2025
Quant Method : C:\MSDCHEM\1\METHODS\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Thu Oct 09 18:50:07 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

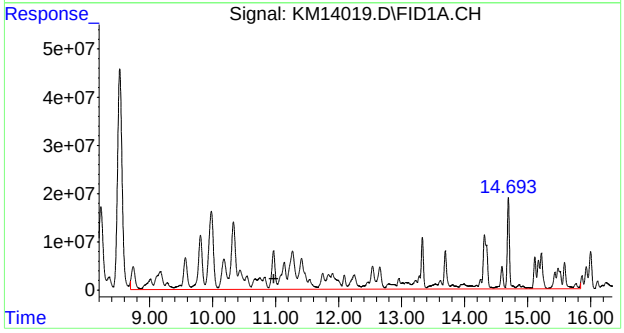
Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um





#1 TPH-GRO (C6-C10)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 11626805444
Conc: 33241.64 ug/l m



#2 TPH-GRO (C6-C12)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 9690653022
Conc: 33224.45 ug/l m

9.8.18

9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\GKM588\
Data File : KM14025.D
Signal(s) : FID1A.CH
Acq On : 09 Oct 2025 8:38 pm
Operator : johnn
Sample : ICV588-8000
Misc : GC65359,GKM588,5.0,,,,1
ALS Vial : 19 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 10 09:53:40 2025
Quant Method : C:\MSDCHEM\1\METHODS\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) S a,a,a-Trifluorotoluene	10.969	226717190	285.455 ug/l
Spiked Amount 300.000	Range 70 - 116	Recovery = 95.15%	
Target Compounds			
1) H TPH-GRO (C6-C10)	10.970	3065113348	7973.889 ug/l
2) H TPH-GRO (C6-C12)	10.970	2934378004	8881.487 ug/l

(f)=RT Delta > 1/2 Window (m)=manual int.

9.8.19

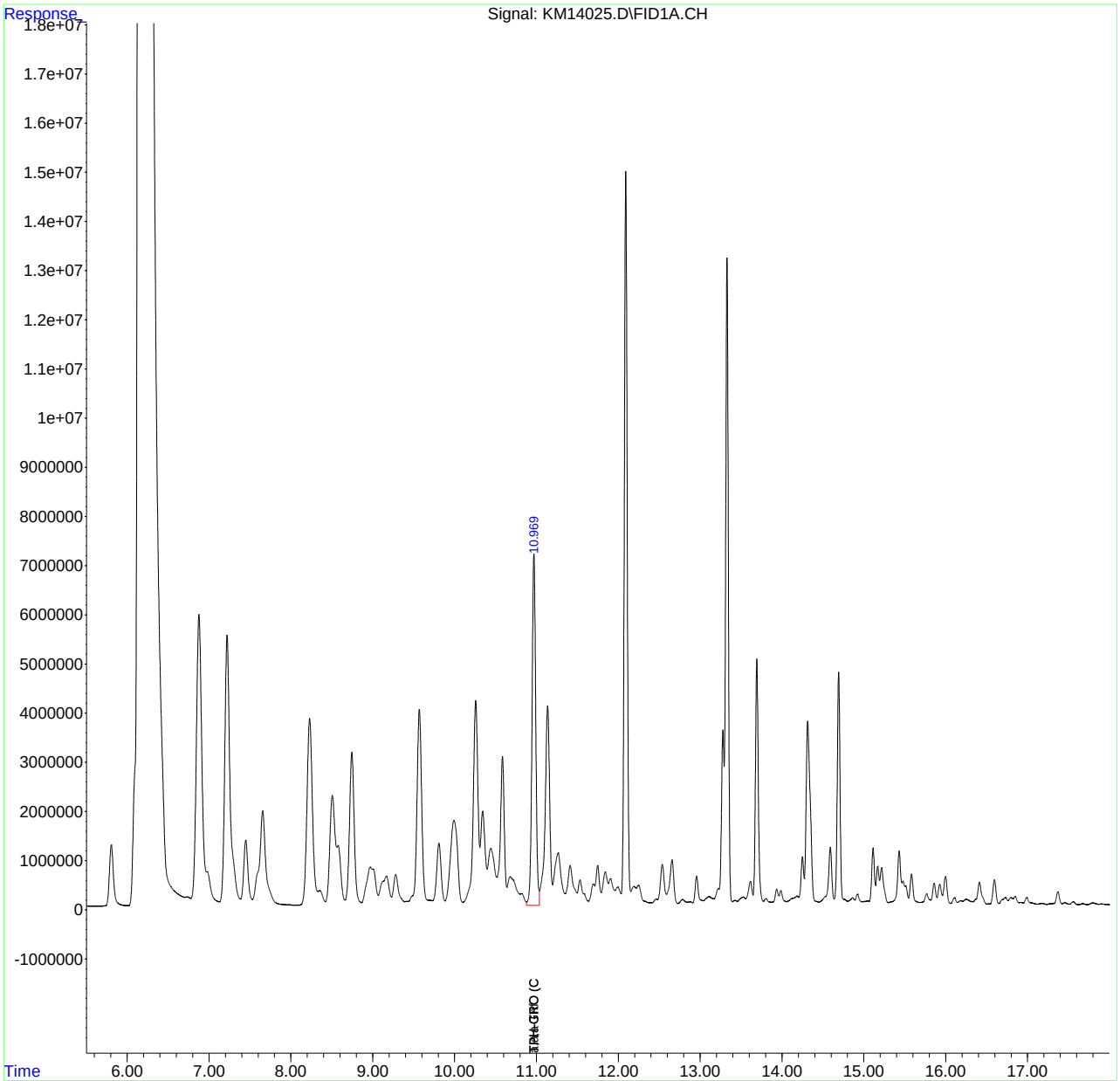
6

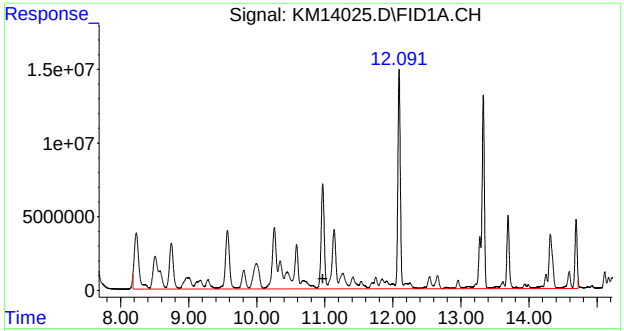
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\GKM588\
Data File : KM14025.D
Signal(s) : FID1A.CH
Acq On : 09 Oct 2025 8:38 pm
Operator : johnn
Sample : ICV588-8000
Misc : GC65359,GKM588,5.0,,,,1
ALS Vial : 19 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 10 09:53:40 2025
Quant Method : C:\MSDCHEM\1\METHODS\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

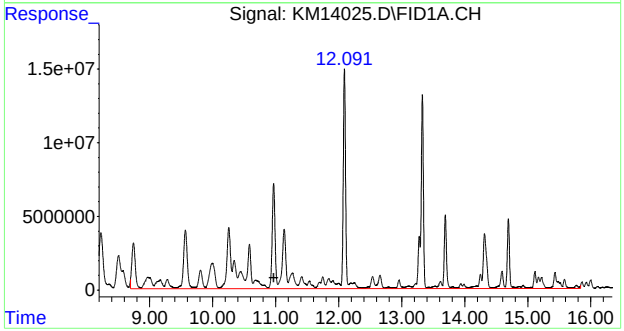
Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um





#1 TPH-GRO (C6-C10)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 3065113348
Conc: 7973.89 ug/l m



#2 TPH-GRO (C6-C12)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 2934378004
Conc: 8881.49 ug/l m

9.8.19

6

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\Claireb\1. Batches\2025\10. October\10-16-2025\GKM594\
Data File : KM14179.D
Signal(s) : FID1A.CH
Acq On : 15 Oct 2025 7:47 pm
Operator : johnn
Sample : cc588-4000
Misc : GC65382,GKM594,5.0,,100,5,1
ALS Vial : 19 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 16 13:20:23 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) S a,a,a-Trifluorotoluene	10.976	227338485	286.238 ug/l
Spiked Amount 300.000	Range 70 - 116	Recovery = 95.41%	
Target Compounds			
1) H TPH-GRO (C6-C10)	10.970	1558900771	4055.479 ug/l
2) H TPH-GRO (C6-C12)	10.970	1364691827	4130.515 ug/l

(f)=RT Delta > 1/2 Window (m)=manual int.

9.8.20

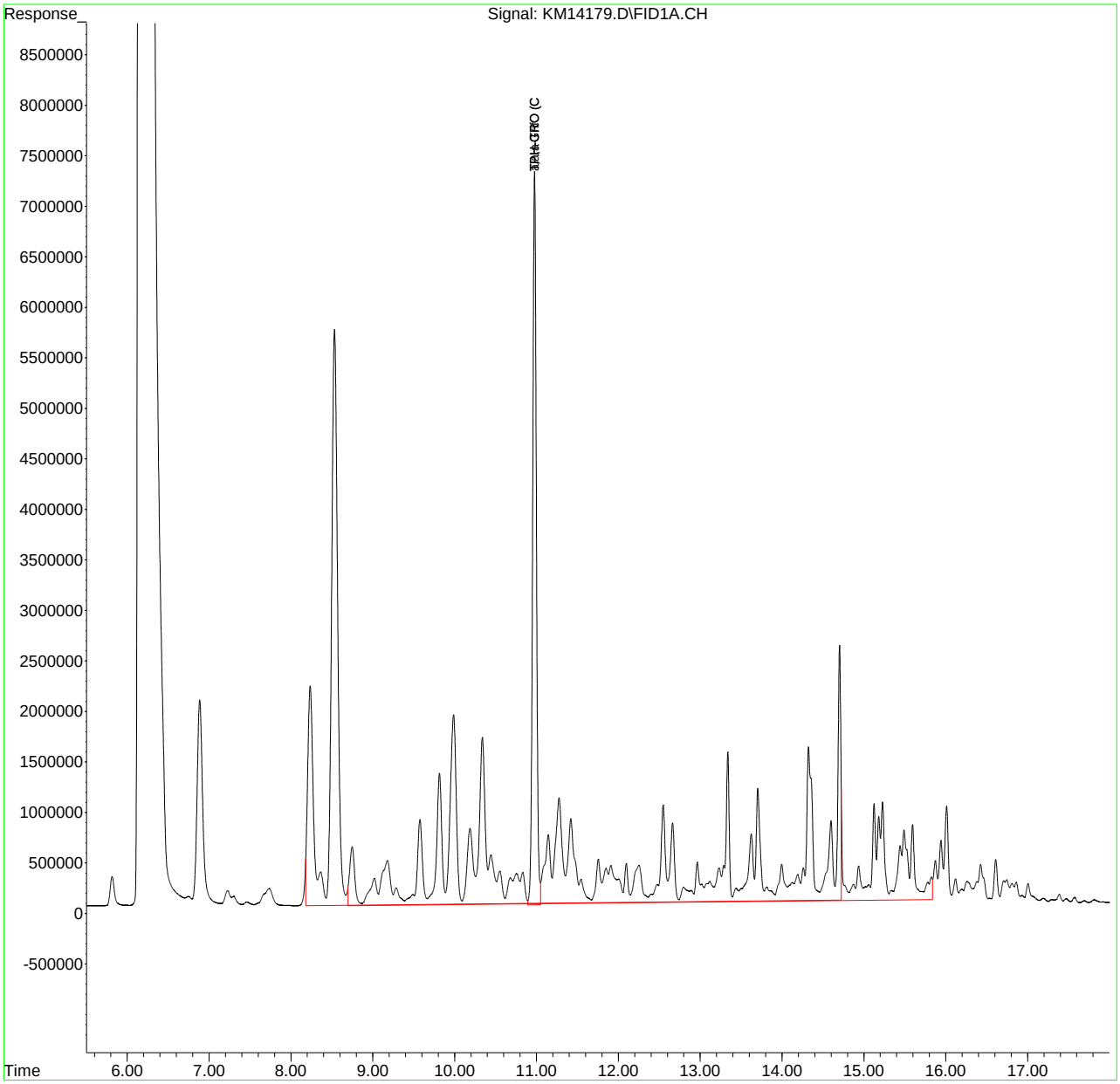
9

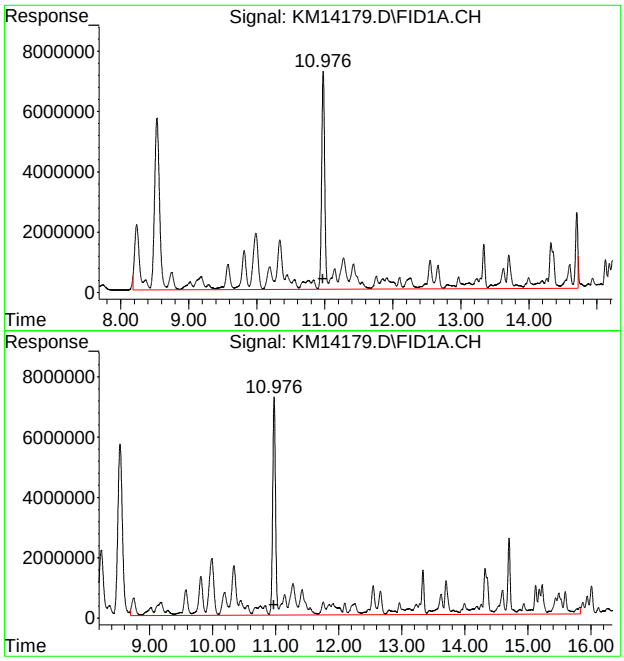
Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\Claireb\1. Batches\2025\10. October\10-16-2025\GKM594\
Data File : KM14179.D
Signal(s) : FID1A.CH
Acq On : 15 Oct 2025 7:47 pm
Operator : johnn
Sample : cc588-4000
Misc : GC65382,GKM594,5.0,,100,5,1
ALS Vial : 19 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 16 13:20:23 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um





#1 TPH-GRO (C6-C10)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 1558900771
Conc: 4055.48 ug/l

#2 TPH-GRO (C6-C12)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 1364691827
Conc: 4130.51 ug/l

9.8.20

9

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\braianc\2025\10. October\16102025\gkm595\
Data File : KM14183.D
Signal(s) : FID1A.CH
Acq On : 16 Oct 2025 11:17 am
Operator : johnn
Sample : cc588-8000
Misc : GC65381,GKM595,5.0,,,,1
ALS Vial : 4 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 16 21:48:46 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) S a,a,a-Trifluorotoluene	10.976	243008686	305.968 ug/l
Spiked Amount 300.000	Range 70 - 116	Recovery = 101.99%	
Target Compounds			
1) H TPH-GRO (C6-C10)	10.970	3640571238	9470.943 ug/l
2) H TPH-GRO (C6-C12)	10.970	3252938781	9845.675 ug/l

(f)=RT Delta > 1/2 Window (m)=manual int.

9.8.21

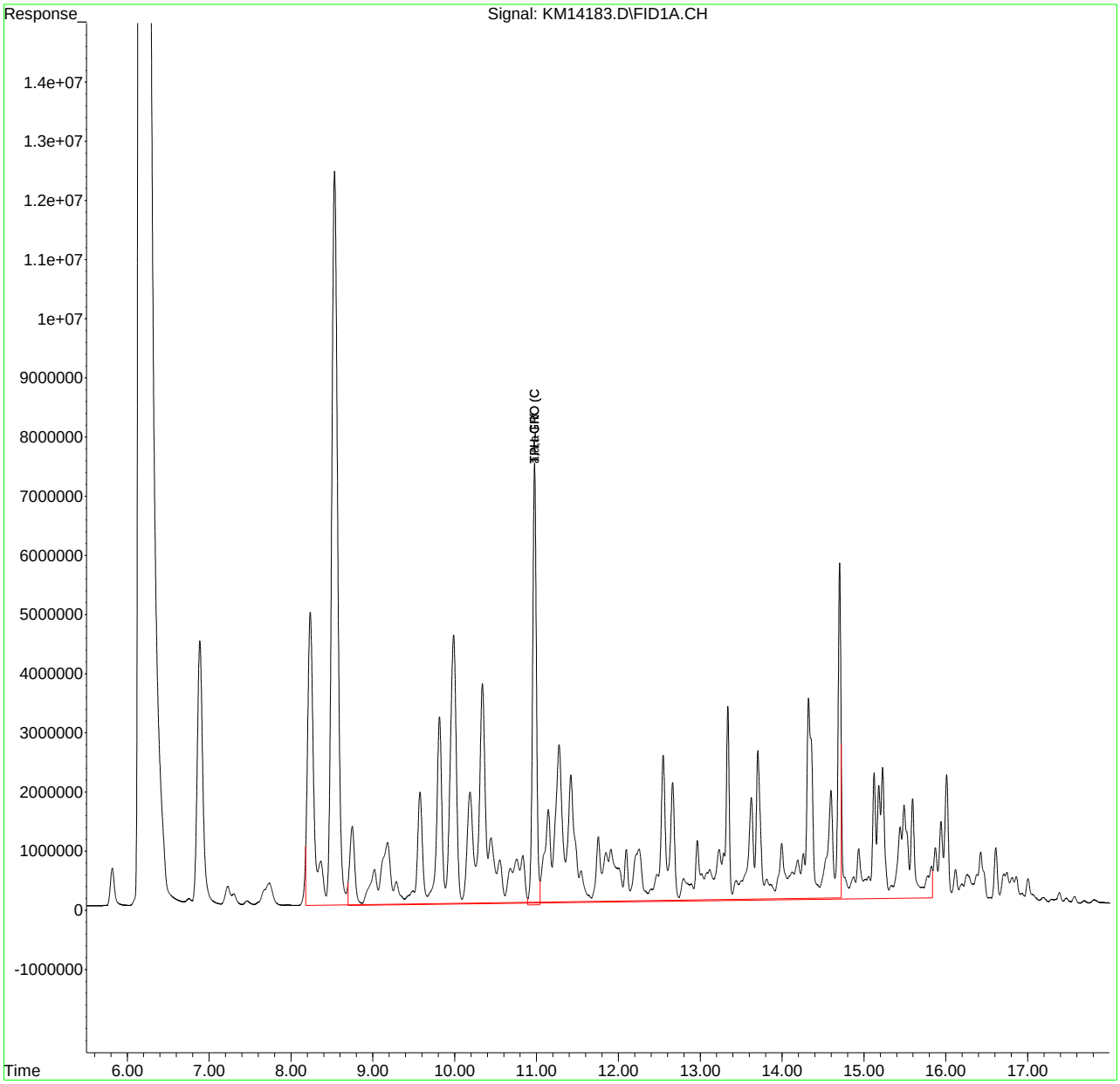
9

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\braianc\2025\10. October\16102025\gkm595\
Data File : KM14183.D
Signal(s) : FID1A.CH
Acq On : 16 Oct 2025 11:17 am
Operator : johnn
Sample : cc588-8000
Misc : GC65381,GKM595,5.0,,,,1
ALS Vial : 4 Sample Multiplier: 1

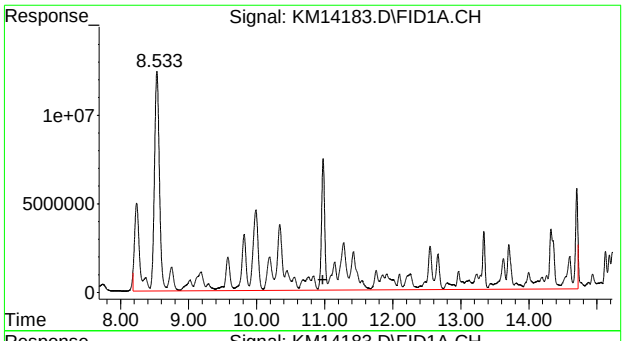
Integration File: AUTOINT1.E
Quant Time: Oct 16 21:48:46 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um



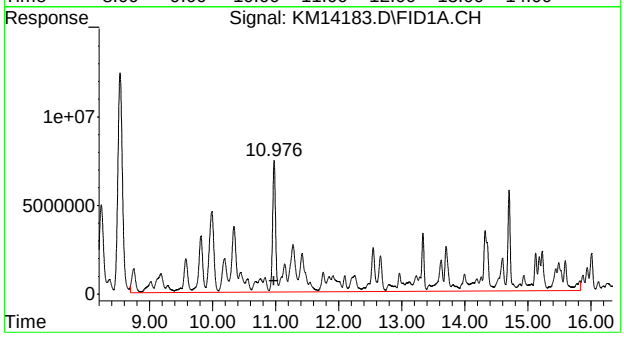
9.8.21

9



#1 TPH-GRO (C6-C10)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 3640571238
Conc: 9470.94 ug/l



#2 TPH-GRO (C6-C12)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 3252938781
Conc: 9845.68 ug/l

9.8.21

9

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\braianc\2025\10. October\16102025\gkm595\
Data File : KM14190.D
Signal(s) : FID1A.CH
Acq On : 16 Oct 2025 3:39 pm
Operator : johnn
Sample : cc588-4000
Misc : GC65388,GKM595,5.0,,,,1
ALS Vial : 11 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 16 21:49:14 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) S a,a,a-Trifluorotoluene	10.980	236954880	298.345 ug/l
Spiked Amount 300.000	Range 70 - 116	Recovery = 99.45%	
Target Compounds			
1) H TPH-GRO (C6-C10)	10.970	1715517967	4462.918 ug/l
2) H TPH-GRO (C6-C12)	10.970	1554419098	4704.763 ug/l

(f)=RT Delta > 1/2 Window (m)=manual int.

9.8.22

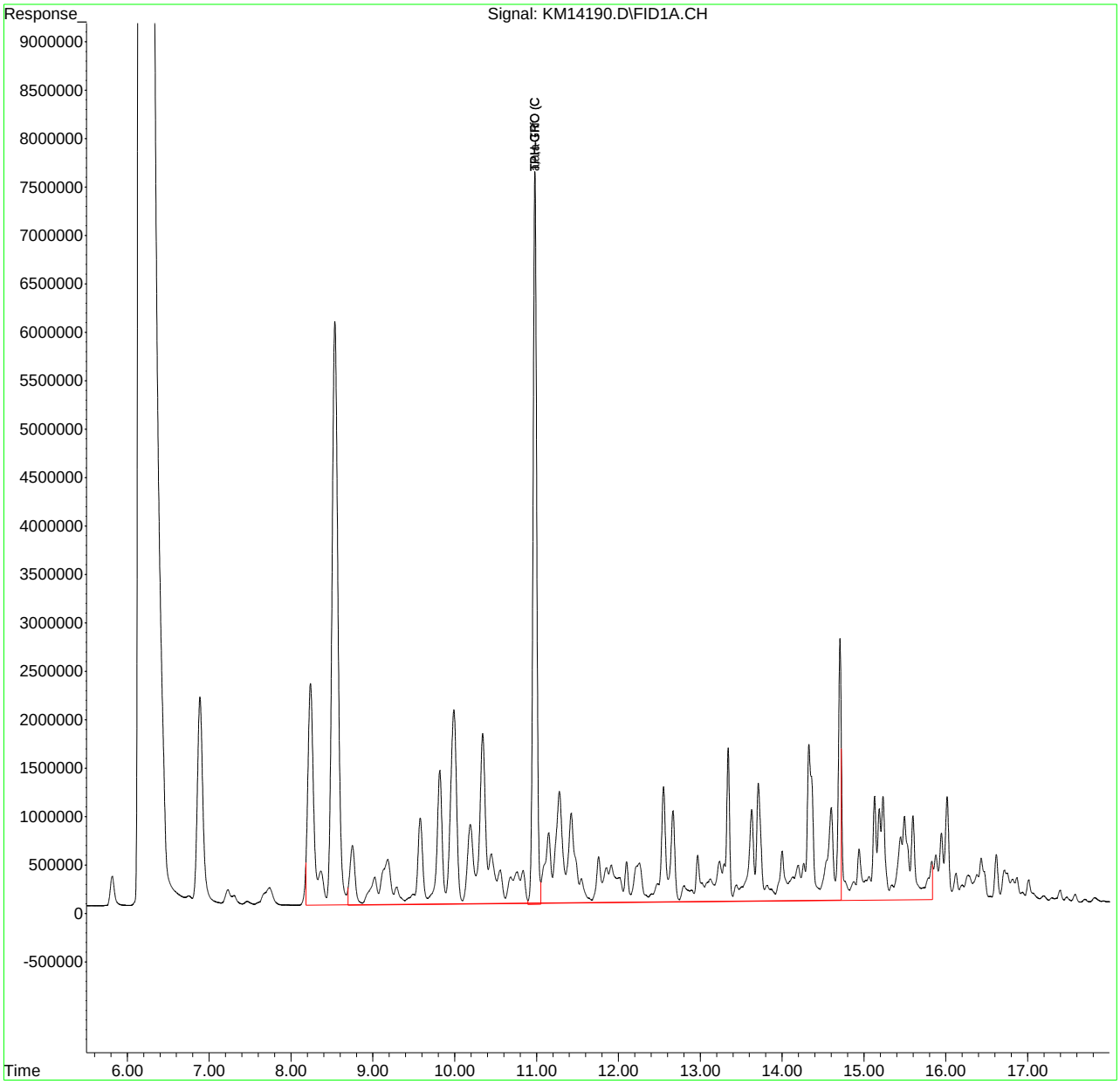
9

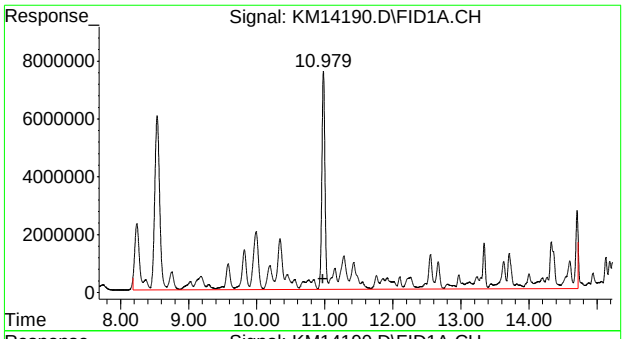
Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\braianc\2025\10. October\16102025\gkm595\
Data File : KM14190.D
Signal(s) : FID1A.CH
Acq On : 16 Oct 2025 3:39 pm
Operator : johnn
Sample : cc588-4000
Misc : GC65388,GKM595,5.0,,,,1
ALS Vial : 11 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 16 21:49:14 2025
Quant Method : C:\msdchem\1\methods\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

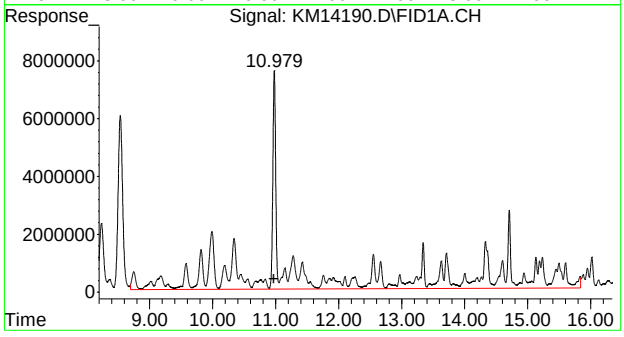
Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um





#1 TPH-GRO (C6-C10)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 1715517967
Conc: 4462.92 ug/l



#2 TPH-GRO (C6-C12)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 1554419098
Conc: 4704.76 ug/l

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\adriana2\GKM595\
Data File : KM14197.D
Signal(s) : FID1A.CH
Acq On : 16 Oct 2025 7:36 pm
Operator : johnn
Sample : cc588-8000
Misc : GC65388,GKM595,5.0,,,,1
ALS Vial : 18 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 17 02:58:12 2025
Quant Method : C:\msdchem\1\data\adriana2\GKM595\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) S a,a,a-Trifluorotoluene	10.977	250238012	315.070 ug/l
Spiked Amount 300.000	Range 70 - 116	Recovery = 105.02%	
Target Compounds			
1) H TPH-GRO (C6-C10)	10.970	3568983058	9284.706 ug/l
2) H TPH-GRO (C6-C12)	10.970	3228799776	9772.614 ug/l

(f)=RT Delta > 1/2 Window (m)=manual int.

9.8.23

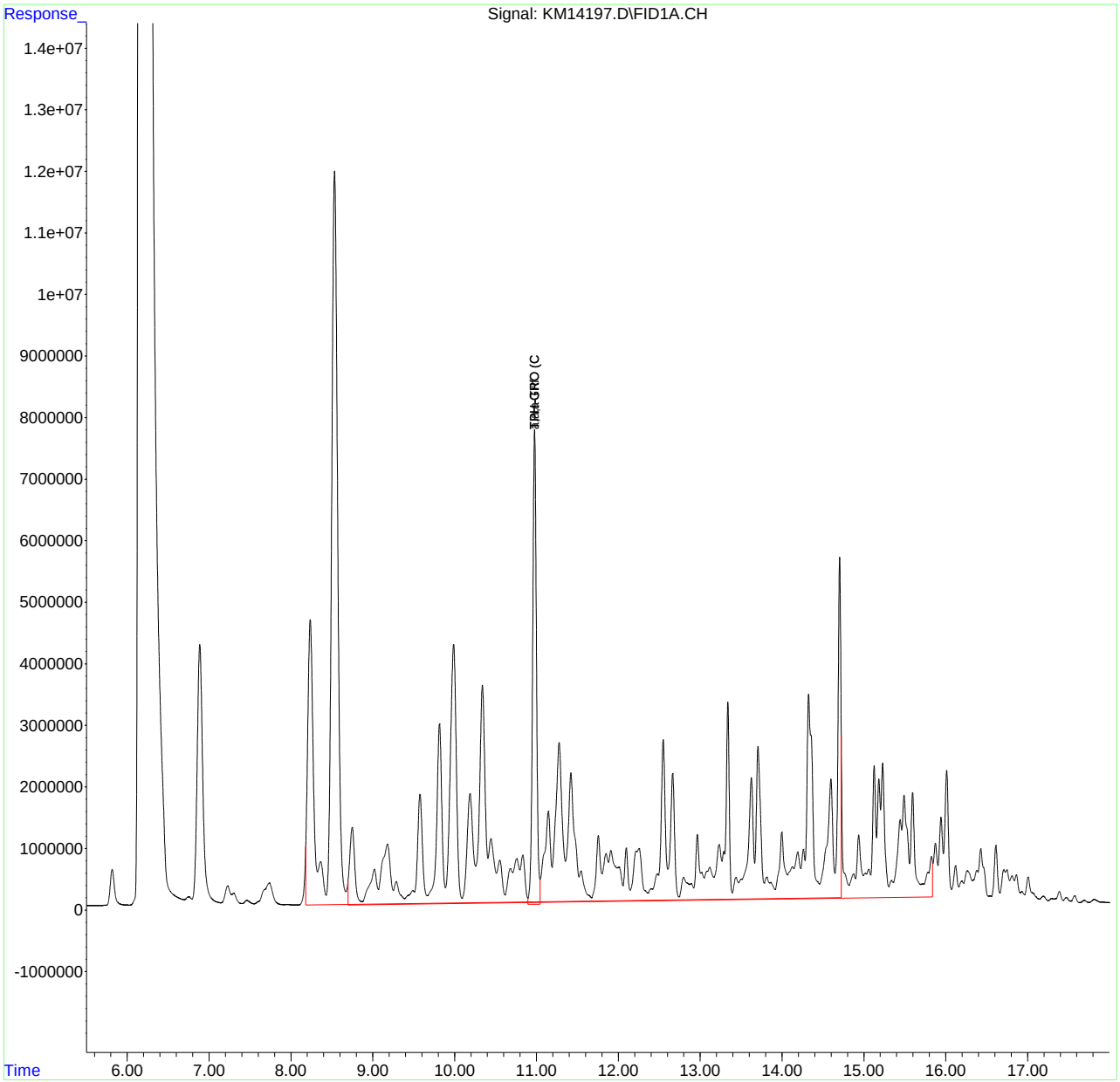
9

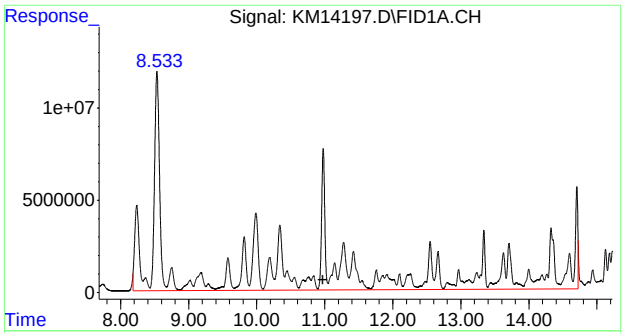
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\adriana2\GKM595\
Data File : KM14197.D
Signal(s) : FID1A.CH
Acq On : 16 Oct 2025 7:36 pm
Operator : johnn
Sample : cc588-8000
Misc : GC65388,GKM595,5.0,,,,1
ALS Vial : 18 Sample Multiplier: 1

Integration File: AUTOINT1.E
Quant Time: Oct 17 02:58:12 2025
Quant Method : C:\msdchem\1\data\adriana2\GKM595\MKM588.M
Quant Title : Method SW846 8015C (GRO) .
QLast Update : Fri Oct 10 09:53:32 2025
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

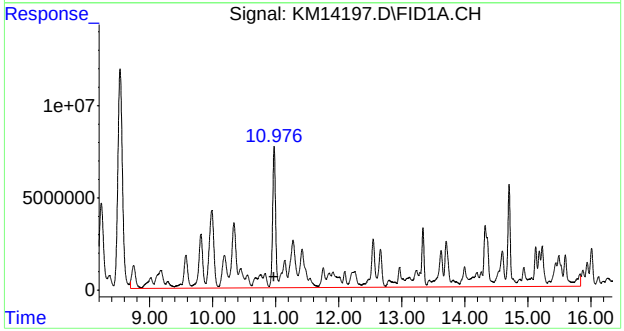
Volume Inj. : N/A
Signal Phase : crossbond phenylmethyl polysiloxane
Signal Info : RTX-502.2 105 m.X 0.53 mm ID 3.0 um





#1 TPH-GRO (C6-C10)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 3568983058
Conc: 9284.71 ug/l



#2 TPH-GRO (C6-C12)

R.T.: 10.970 min
Delta R.T.: 0.000 min
Response: 3228799776
Conc: 9772.61 ug/l

9.8.23

9

DISSOLVED GASES by GC-FID/TCD ANALYSIS LOG (RSK-175)

		Standard Information							
		Standard (Primary)				LCS (Secondary)			
Target Analytes	MW (g/mol)	Lot #	Expiration Date	Conc. (ppmv)	**Conc. (µg/L)	Lot #	Expiration Date	Conc. (ppmv)	**Conc. (µg/L)
Methane	16	AS10705	7/17/2026	1000	654	AS10657	4/30/2026	1000	654
Ethane	30	AS10705	7/17/2026	1000	1227	AS10657	4/30/2026	1000	1227
Ethene	28	AS10705	7/17/2026	1000	1145	AS10657	4/30/2026	1000	1145
Propane	44	AS10705	7/17/2026	1000	1800	AS10657	4/30/2026	1000	1800
Carbon Monoxide	28	AS10705	7/17/2026	1000	1145	AS10657	4/30/2026	1000	1145
Carbon Dioxide	44	AS10705	7/17/2026	1000	1800	AS10657	4/30/2026	1000	1800

**mg/L = ppmv x (MW/24.45)

	ID / LOT #	Expiration Date
Thermometer	57339	8/19/2025
pH Paper	234223	12/1/2026
Helium Cylinder	N2443173RS	N/A

Batch ID: GAA3333
Date: 7/25/2025
Laboratory Analyst: William Cruser

GC-AA Column: Rt-Alumina BOND/Na_2SO_4 (50m x 0.53mm
GC-FID/TCD Method - MEE: MAA3333.M
Initial Calibration Method - MEE: MAA3333.M
Sequence File - MEE: AA20250725.s

GC-WW Column: Sulpelco Carboxen 1006 PLOT (30m x 0.53
GC-FID/TCD Method - CO_2: MWW5777.M
Initial Calibration Method - CO_2: MWW5777.M
Sequence File - CO_2: N/A

LGX-50 Method: DGA
Data Validator: William Cruser

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.
*If pH > 2.0, comment on sample result.

ALS	Sample ID	Data File ID	GC Code	TEST CODE	VOA Vial Volume (cc)	Headspace Volume (cc)	Final Sample Volume (cc)	Injection Volume (cc)	Temp. °C	Dilution Factor	STATUS	COMMENTS	*pH < 2.0
1	ic3321-1	AA116750						0.05	23		RR	AS10713 (10ppmv)	
2	ic3321-2	AA116751						0.1	23		RR	AS10713 (10ppmv)	
3	ic3321-10	AA116752						0.005	23		OK		
4	ic3321-20	AA116753						0.01	23		OK		
5	icc3321-100	AA116754						0.05	23		OK		
6	ic3321-200	AA116755						0.1	23		OK		
7	ic3321-500	AA116756						0.25	23		OK		
8	ic3321-1000	AA116757						0.5	23		OK		
9	icv3321-100	AA116758						0.05	23		RR		
10	ic3321-1	AA116750						0.05	23		OK	AS10713 (10ppmv)	
11	ic3321-2	AA116751						0.1	23		OK	AS10713 (10ppmv)	
12	icv3321-100	AA116758						0.05	23		OK		

SGS

DISSOLVED GASES by GC-FID/TCD ANALYSIS LOG (RSK-175)

Batch ID: GAA3397
Date: 10/28/2025
Laboratory Analyst: William Cruser

GC-AA Column: Rt-Alumina BOND/Na_2SO_4 (50m x 0.53mm x 10µm)
GC-FID/TCD Method - MEE: MAA3333.M
Initial Calibration Method - MEE: MAA3333.M
Sequence File - MEE: AA20251028.s

GC-WW Column: Sulpelco Carboxen 1006 PLOT (30m x 0.53mm)
GC-FID/TCD Method - CO_2: MWW5884.M
Initial Calibration Method - CO_2: MWW5884.M
Sequence File - CO_2: N/A

LGX-50 Method: DGA
Data Validator: William Cruser

		Standard Information							
		Standard (Primary)				LCS (Secondary)			
Target Analytes	MW (g/mol)	Lot #	Expiration Date	Conc. (ppmv)	**Conc. (µg/L)	Lot #	Expiration Date	Conc. (ppmv)	**Conc. (µg/L)
Methane	16	AS10705	7/17/2026	1000	654	AS10657	4/30/2026	1000	654
Ethane	30	AS10705	7/17/2026	1000	1227	AS10657	4/30/2026	1000	1227
Ethene	28	AS10705	7/17/2026	1000	1145	AS10657	4/30/2026	1000	1145
Propane	44	AS10705	7/17/2026	1000	1800	AS10657	4/30/2026	1000	1800
Carbon Monoxide	28	AS10705	7/17/2026	1000	1145	AS10657	4/30/2026	1000	1145
Carbon Dioxide	44	AS10705	7/17/2026	1000	1800	AS10657	4/30/2026	1000	1800

**mg/L = ppmv x (MW/24.45)

	ID / LOT #	Expiration Date
Thermometer	57339	8/19/2026
pH Paper	234223	12/1/2026
Helium Cylinder	N2443173RS	N/A

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.
*If pH > 2.0, comment on sample result.

ALS	Sample ID	Data File ID	GC Code	TEST CODE	VOA Vial Volume (cc)	Headspace Volume (cc)	Final Sample Volume (cc)	Injection Volume (cc)	Temp. °C	Dilution Factor	STATUS	COMMENTS	*pH < 2.0
1	cc3333-100	AA118301						0.05	24		OK		
2	helium blank	AA118302						0.5	24		OK		
3	mb	AA118303						0.5	24		OK		
4	je21582-6	AA118304	GC65419	DGMEE	43	5	38	0.5	24	1	OK/DL	CH4↑	✔
5	je21582-6	AA118305	GC65419	DGMEE	43	5	38	0.005	24	100	OK		✔
6	je21582-7	AA118306	GC65419	DGMEE	43	5	38	0.5	24	1	OK/DL	CH4↑	✔
7	je21582-7	AA118307	GC65419	DGMEE	43	5	38	0.005	24	100	OK		✔
8	je21662-1	AA118308	GC65424	DGMEE	43	5	38	0.5	24	1	OK/DL	CH4↑	✔
9	je21662-1dup	AA118309	GC65424	DGMEE	43	5	38	0.5	24	1	OK		✔
10	je21662-1	AA118310	GC65424	DGMEE	43	5	38	0.005	24	100	OK		✔
11	je21662-2	AA118311	GC65424	DGMEE	43	5	38	0.5	24	1	OK/DL	CH4↑	✔
12	je21662-2	AA118312	GC65424	DGMEE	43	5	38	0.005	24	100	OK		✔
13	je21194-1	AA118313	GC65392	DGMEE	43	5	38	0.5	24	1	OK/DL	CH4↑	✔
14	je21194-1	AA118314	GC65392	DGMEE	43	5	38	0.01	24	50	OK		✔
15	da76381-1a	AA118315	GC65408	DGMEP	43	5	38	0.5	24	1	OK		✔
16	cc3333-100	AA118316						0.5	24	1	OK		
17	je21351-18	AA118317	GC65438	DGMEE	43	5	38	0.5	24	1	OK/DL	CH4↑	✔
18	je21351-18dup	AA118318	GC65438	DGMEE	43	5	38	0.5	24	1	OK		✔
19	je21351-18	AA118319	GC65438	DGMEE	43	5	38	0.005	24	100	OK		✔
20	je21351-19	AA118320	GC65438	DGMEE	43	5	38	0.5	24	1	OK/DL	CH4↑	✔
21	je21351-19	AA118321	GC65438	DGMEE	43	5	38	0.005	24	100	OK		✔
22	je21351-20	AA118322	GC65438	DGMEE	43	5	38	0.5	24	1	OK/DL	CH4↑	✔
23	je21351-20	AA118323	GC65438	DGMEE	43	5	38	0.0025	24	200	OK		✔
24	je21351-21	AA118324	GC65438	DGMEE	43	5	38	0.5	24	1	OK/DL	CH4↑	✔
25	je21351-21	AA118325	GC65438	DGMEE	43	5	38	0.005	24	100	OK		✔
26	je21351-22	AA118326	GC65438	DGMEE	43	5	38	0.5	24	1	OK/DL	CH4↑	5
27	je21351-22	AA118327	GC65438	DGMEE	43	5	38	0.005	24	100	OK		5
28	lcs	AA118328						0.05	24		OK		
29	cc3333-100	AA118329						0.05	24		OK		

SGS

VOLATILE by GCMS ANALYSIS LOG

Date:10/9/2025

Standard data

Lot Number	Expiration Date	Concentration	Standard ID
V025-2804-39	11/9/2025	20000ppm	GRO STD
V025-2804-35	11/6/2025	5000ppm	GRO STD(2)
V024-2790-138	12/19/2025	250/500ppm	GRO Marker

Internal/Surrogate data

Lot Number	Expiration Date	Concentration	Surrogate ID
V025-2804-31	10/25/2025	250ppm	GRO Surrogate

Batch ID: GKM588

Print Analyst Name: John Nieradka

Data Processed By: John Nieradka

Columns:RTX-502.2(105m x 0.53mm x 3µm)

Method: V8015GRO

Initial Cal. Method: KM588

pH Method: V8260d

Date Archived:_____

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

Supervisor Signature- _____

ALS	Sample ID	Method	File ID	MS Batch, Run ID, Pv,,,, Dil.	Vial #	Purge Vol	IS/SURR	pH	STATUS	Comments
5	IB	MKM588	KM14011	GC65359,GKM588,5.0,,,,1		5ml				
6	RT	MKM588	KM14012	GC65359,GKM588,5.0,,,,1		5ml			ok	10uL GRO Marker/50ml
7	IB	MKM588	KM14013	GC65359,GKM588,5.0,,,,1		5ml				
8	IC588-200	MKM588	KM14014	GC65359,GKM588,5.0,,,,1		5ml			ok	2uL GRO STD/200ml
9	IC588-800	MKM588	KM14015	GC65359,GKM588,5.0,,,,1		5ml			ok	4uL GRO STD/100ml
10	IC588-4000	MKM588	KM14016	GC65359,GKM588,5.0,,,,1		5ml			ok	10uL GRO STD/50ml
11	ICC588-8000	MKM588	KM14017	GC65359,GKM588,5.0,,,,1		5ml			ok	20uL GRO STD/50ml
12	IC588-20000	MKM588	KM14018	GC65359,GKM588,5.0,,,,1		5ml			ok	50uL GRO STD/50ml
13	IC588-30000	MKM588	KM14019	GC65359,GKM588,5.0,,,,1		5ml			ok	75uL GRO STD/50ml
14	IB	MKM588	KM14020	GC65359,GKM588,5.0,,,,1		5ml				
15	IC588-40000	MKM588	KM14021	GC65359,GKM588,5.0,,,,1		5ml			ok	100uL GRO STD/50ml
16	IB	MKM588	KM14022	GC65359,GKM588,5.0,,,,1		5ml				
17	IB	MKM588	KM14023	GC65359,GKM588,5.0,,,,1		5ml				
18	IB	MKM588	KM14024	GC65359,GKM588,5.0,,,,1		5ml				
19	ICV588-8000	MKM588	KM14025	GC65359,GKM588,5.0,,,,1		5ml			ok	80uL GRO STD(2)/50ml

SGS

VOLATILE by GCMS ANALYSIS LOG

Date:10/15/2025

Standard data

Lot Number	Expiration Date	Concentration	Standard ID
V025-2804-39	11/9/2025	20000ppm	GRO STD
V025-2804-35	11/6/2025	5000ppm	GRO STD(2)
V024-2790-138	12/19/2025	250/500ppm	GRO Marker

Internal/Surrogate data

Lot Number	Expiration Date	Concentration	Surrogate ID
V025-2804-31	10/25/2025	250ppm	GRO Surrogate

Batch ID: GKM594

Print Analyst Name: John Nieradka

Data Processed By: BraianC/ ClaireB

Columns:RTX-502.2(105m x 0.53mm x 3µm)

Method: V8015GRO

Initial Cal. Method: KM588

pH Method: V8260d

Date Archived:_____

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

Supervisor Signature- _____

ALS	Sample ID	Method	File ID	MS Batch, Run ID, Pv,,,, Dil.	Vial #	Purge Vol	IS/SURR	pH	STATUS	Comments
1	ib	MKM588	KM14161	GC65382,GKM594,5.0,,100,5,1		5ml			ok	
2	ib	MKM588	KM14162	GC65382,GKM594,5.0,,100,5,1		5ml			ok	
3	rt	MKM588	KM14163	GC65382,GKM594,5.0,,100,5,1		5ml			ok	10uL GRO Marker/50ml; 11:05 AM
4	cc588-4000	MKM588	KM14164	GC65382,GKM594,5.0,,100,5,1		5ml			ok	10uL GRO STD/50ml
5	mb	MKM588	KM14165	GC65382,GKM594,5.0,,100,5,1		5ml			ok	
6	bs	MKM588	KM14166	GC65382,GKM594,5.0,,100,5,1		5ml			ok	80uL GRO STD(2)/50ml
7	je21087-1	MKM588	KM14167	GC65382,GKM594,4.8,,100,5,1		5ml			ok	
8	je21087-3	MKM588	KM14168	GC65382,GKM594,4.0,,100,5,1		5ml			ok	
9	je21087-4	MKM588	KM14169	GC65382,GKM594,4.4,,100,5,1		5ml			ok	
10	je21087-5	MKM588	KM14170	GC65382,GKM594,4.5,,100,5,1		5ml			ok	
11	je21087-6	MKM588	KM14171	GC65382,GKM594,5.5,,100,5,1		5ml			ok	
12	je21087-1ms	MKM588	KM14172	GC65382,GKM594,4.8,,100,5,1		5ml			ok	20uL GRO STD/50ml
13	je21087-1msd	MKM588	KM14173	GC65382,GKM594,4.8,,100,5,1		5ml			ok	20uL GRO STD/50ml
14	cc588-8000	MKM588	KM14174	GC65382,GKM594,5.0,,100,5,1		5ml			ok	20uL GRO STD/50ml
15	ib	MKM588	KM14175	GC65382,GKM594,5.0,,100,5,1		5ml			ok	
16	mb2	MKM588	KM14176	GC65382,GKM594,5.0,,100,5,1		5ml			ok	
17	je21087-8	MKM588	KM14177	GC65382,GKM594,4.9,,100,5,1		5ml			ok	
18	je21087-9	MKM588	KM14178	GC65382,GKM594,4.7,,100,5,1		5ml			ok	
19	cc588-4000	MKM588	KM14179	GC65382,GKM594,5.0,,100,5,1		5ml			ok	10uL GRO STD/50ml; 7:47 PM

SGS

VOLATILE by GCMS ANALYSIS LOG

Date:10/16/2025

Standard data

Lot Number	Expiration Date	Concentration	Standard ID
V025-2804-39	11/9/2025	20000ppm	GRO STD
V025-2804-35	11/6/2025	5000ppm	GRO STD(2)
V024-2790-138	12/19/2025	250/500ppm	GRO Marker

Internal/Surrogate data

Lot Number	Expiration Date	Concentration	Surrogate ID
V025-2804-31	10/25/2025	250ppm	GRO Surrogate

Batch ID: GKM595

Print Analyst Name: John Nieradka

Data Processed By: BraianC

Columns:RTX-502.2(105m x 0.53mm x 3µm)

Method: V8015GRO

Initial Cal. Method: KM588

pH Method: V8260d

Date Archived:_____

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

Supervisor Signature- _____

ALS	Sample ID	Method	File ID	MS Batch, Run ID, Pv,,,, Dil.	Vial #	Purge Vol	IS/SURR	pH	STATUS	Comments
1	ib	MKM588	KM14180	GC65382,GKM595,5.0,,100,5,1		5ml			ok	
2	ib	MKM588	KM14181	GC65382,GKM595,5.0,,100,5,1		5ml			ok	
3	rt	MKM588	KM14182	GC65382,GKM595,5.0,,100,5,1		5ml			ok	10uL GRO Marker/50ml
4	cc588-8000	MKM588	KM14183	GC65382,GKM595,5.0,,100,5,1		5ml			ok	20uL GRO STD/50ml
5	mb	MKM588	KM14184	GC65381,GKM595,5.0,,,,1		5ml			ok	
6	bs	MKM588	KM14185	GC65381,GKM595,5.0,,,,1		5ml			ok	80uL GRO STD(2)/50ml
7	je21081-1	MKM588	KM14186	GC65381,GKM595,5.0,,,,1		5ml		1	ok	
8	je21082-1	MKM588	KM14187	GC65381,GKM595,5.0,,,,1		5ml		1	ok	
9	je21115-1	MKM588	KM14188	GC65388,GKM595,5.0,,,,1		5ml		1	ok	
10	je21194-1	MKM588	KM14189	GC65388,GKM595,5.0,,,,1		5ml		1	ok	
11	cc588-4000	MKM588	KM14190	GC65388,GKM595,5.0,,,,1		5ml			ok	10uL GRO STD/50ml
12	mb2	MKM588	KM14191	GC65388,GKM595,5.0,,,,1		5ml			ok	
13	je21194-1dup	MKM588	KM14192	GC65388,GKM595,5.0,,,,1		5ml		1	ok	
14	je21233-1	MKM588	KM14193	GC65395,GKM595,5.0,,,,1		5ml		1	ok	
15	je21233-2	MKM588	KM14194	GC65395,GKM595,5.0,,,,1		5ml		1	ok	
16	je21233-3	MKM588	KM14195	GC65395,GKM595,5.0,,,,1		5ml		1	ok	
17	je21115-1ms	MKM588	KM14196	GC65388,GKM595,5.0,,,,1		5ml		1	ok	20uL GRO STD/50ml
18	cc588-8000	MKM588	KM14197	GC65388,GKM595,5.0,,,,1		5ml			ok	20uL GRO STD/50ml

GC/LC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries
- GC Surrogate Retention Time Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method Blank Summary

Job Number: JE21194
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP68257-MB1	3Y97099.D	1	10/18/25	RK	10/17/25	OP68257	G3Y3747

The QC reported here applies to the following samples: **Method:** SW846 8015D

JE21194-1, JE21194-1A

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.078	0.037	mg/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	114%	70-130%
438-22-2	5a-Androstane	112%	70-130%

Method Blank Summary

Job Number: JE21194
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP68257-MB2	3Y97115.D	1	10/19/25	RK	10/17/25	OP68257	G3Y3747

The QC reported here applies to the following samples: **Method:** SW846 8015D

JE21194-1, JE21194-1A

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.077	0.037	mg/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	115%	70-130%
438-22-2	5a-Androstane	111%	70-130%

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE21194
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP68257-BS1	3Y97100.D	1	10/18/25	RK	10/17/25	OP68257	G3Y3747
OP68257-BSD	3Y97104.D	1	10/18/25	RK	10/17/25	OP68257	G3Y3747

The QC reported here applies to the following samples: **Method:** SW846 8015D

JE21194-1, JE21194-1A

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	BSD mg/l	BSD %	RPD	Limits Rec/RPD
	TPH-DRO (C10-C28)	1.95	2.07	106	2.17	112	3	70-130/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
84-15-1	o-Terphenyl	116%	124%	70-130%
438-22-2	5a-Androstane	112%	119%	70-130%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE21194
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP68257-BS2	3Y97116.D	1	10/19/25	RK	10/17/25	OP68257	G3Y3747
OP68257-BSD2	3Y97117.D	1	10/19/25	RK	10/17/25	OP68257	G3Y3747

The QC reported here applies to the following samples: **Method:** SW846 8015D

JE21194-1, JE21194-1A

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	BSD mg/l	BSD %	RPD	Limits Rec/RPD
	TPH-DRO (C10-C28)	1.95	2.24	115	2.23	113	0	70-130/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
84-15-1	o-Terphenyl	125%	125%	70-130%
438-22-2	5a-Androstane	118%	121%	70-130%

10.2.2 10

* = Outside of Control Limits.

Surrogate Recovery Summary

Job Number: JE21194
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Method: SW846 8015D **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S2 [a]
JE21194-1	3Y97111.D	114	95
JE21194-1A	3Y97120.D	116	93
OP68257-BS1	3Y97100.D	116	112
OP68257-BS2	3Y97116.D	125	118
OP68257-BSD	3Y97104.D	124	119
OP68257-BSD2	3Y97117.D	125	121
OP68257-MB1	3Y97099.D	114	112
OP68257-MB2	3Y97115.D	115	111

Surrogate Compounds	Recovery Limits
S1 = o-Terphenyl	70-130%
S2 = 5a-Androstane	70-130%

(a) Recovery from GC signal #1

GC Surrogate Retention Time Summary

Job Number: JE21194
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Check Std:	G3Y3747-CC3745	**Injection Date:**	10/18/25
Lab File ID:	3Y97091.D	**Injection Time:**	17:45
Instrument ID:	GC3Y	**Method:**	SW846 8015D

	S1 [a] RT	S2 [a] RT
Check Std	3.91	4.11

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT
ZZZZZZ	3Y97093.D	10/18/25	18:24	3.91	4.11
ZZZZZZ	3Y97094.D	10/18/25	18:44	3.91	4.11
ZZZZZZ	3Y97095.D	10/18/25	19:04	3.91	4.11
ZZZZZZ	3Y97096.D	10/18/25	19:23	3.91	4.11
ZZZZZZ	3Y97097.D	10/18/25	19:43	3.91	4.11
ZZZZZZ	3Y97098.D	10/18/25	20:03	3.91	4.11
OP68257-MB1	3Y97099.D	10/18/25	20:22	3.91	4.11
OP68257-BS1	3Y97100.D	10/18/25	20:42	3.91	4.11

Surrogate Compounds

S1 = o-Terphenyl
S2 = 5a-Androstane

(a) Retention time from GC signal #1

GC Surrogate Retention Time Summary

Job Number: JE21194
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Check Std:	G3Y3747-CC3745	**Injection Date:**	10/18/25
Lab File ID:	3Y97102.D	**Injection Time:**	21:21
Instrument ID:	GC3Y	**Method:**	SW846 8015D

	S1 [a] RT	S2 [a] RT
Check Std	3.91	4.11

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT
OP68257-BSD	3Y97104.D	10/18/25	22:15	3.91	4.11
ZZZZZZ	3Y97105.D	10/18/25	22:35	3.91	4.11
ZZZZZZ	3Y97106.D	10/18/25	22:54	3.91	4.11
ZZZZZZ	3Y97107.D	10/18/25	23:14	3.91	4.11
ZZZZZZ	3Y97108.D	10/18/25	23:33	3.91	4.11
ZZZZZZ	3Y97109.D	10/18/25	23:53	3.91	4.11
ZZZZZZ	3Y97110.D	10/19/25	00:13	3.91	4.11
JE21194-1	3Y97111.D	10/19/25	00:32	3.91	4.11

Surrogate Compounds

S1 = o-Terphenyl
S2 = 5a-Androstane

(a) Retention time from GC signal #1

GC Surrogate Retention Time Summary

Job Number: JE21194
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Check Std:	G3Y3747-CC3745	**Injection Date:**	10/19/25
Lab File ID:	3Y97113.D	**Injection Time:**	01:11
Instrument ID:	GC3Y	**Method:**	SW846 8015D

	S1 [a] RT	S2 [a] RT
Check Std	3.90	4.11

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT
OP68257-MB2	3Y97115.D	10/19/25	01:51	3.91	4.11
OP68257-BS2	3Y97116.D	10/19/25	02:10	3.91	4.11
OP68257-BSD2	3Y97117.D	10/19/25	02:30	3.91	4.11
ZZZZZZ	3Y97118.D	10/19/25	02:50	3.91	4.11
ZZZZZZ	3Y97119.D	10/19/25	03:09	3.91	4.11
JE21194-1A	3Y97120.D	10/19/25	03:29	3.91	4.11

Surrogate Compounds

S1 = o-Terphenyl
S2 = 5a-Androstane

(a) Retention time from GC signal #1

Initial Calibration Summary

Job Number: JE21194
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: G3Y3745-ICC3745
Lab FileID: 3Y97026.D

Response Factor Report GC3Y3Z

Method : C:\msdchem\1\methods\DROLVI3y3745.M (ChemStation Integrator)
Title : GCTPHS
Last Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration

Calibration Files
1 =3y97037.d 2 =3y97022.d 4 =3y97023.d 10 =3y97024.d
20 =3y97025.d 40 =3y97026.d 100 =3y97027.d 200 =3y97028.d
400 =3y97029.d = = =

Compound	1	2	4	10	20	40	100	200	400	2000	Avg	%RSD
1) TPH-DRO	4.099	3.460	3.329	3.274	3.263	3.232	3.390	3.620	3.294		3.440 E7	7.99
2) TPH-DRO (C10-C44)	4.099	3.460	3.329	3.274	3.263	3.232	3.390	3.620	3.294		3.440 E7	7.99
3) TPH-ORO (>C28-C40)	4.099	3.460	3.329	3.274	3.263	3.232	3.390	3.620	3.294		3.440 E7	7.99
4) TPH-DRO (C10-C20)	4.099	3.460	3.329	3.274	3.263	3.232	3.390	3.620	3.294		3.440 E7	7.99
5) TPH-ORO (C20-C34)	4.099	3.460	3.329	3.274	3.263	3.232	3.390	3.620	3.294		3.440 E7	7.99
6) o-TERPHENYL			4.046	4.600	4.351	4.286	4.616	5.159			4.510 E7	8.48
7) 5a-ANDROSTANE			3.519	4.095	3.662	3.876	4.126	4.515			3.966 E7	9.05

(#) = Out of Range ### Number of calibration levels exceeded format ###

DROLVI3y3745.M Sat Oct 18 23:10:15 2025

Initial Calibration Verification

Job Number: JE21194
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: G3Y3745-ICV3745
Lab FileID: 3Y97039.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\g3y3745\3y97039.d Vial: 142
Acq On : 17 Oct 2025 3:19 pm Operator: claudiab
Sample : icv3745-40 Inst : GC3Y3Z
Misc : op68028,g3y3745,5.0,,,10,1 Multiplr: 1.00
IntFile : autoint1.e

Method : C:\msdchem\1\methods\DROLVI3y3745.M (ChemStation Integrator)
Title : GCTPHS
Last Update : Sat Oct 18 23:08:00 2025
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	H	TPH-DRO	34.400	40.329 E6	-17.2	125	0.00	2.00- 5.20
2	H	TPH-DRO (C10-C44)		----------NA----------				
3	H	TPH-ORO (>C28-C40)		----------NA----------				
4	H	TPH-DRO (C10-C20)		----------NA----------				
5	H	TPH-ORO (C20-C34)		----------NA----------				
6	S	o-TERPHENYL		----------NA----------				
7	S	5a-ANDROSTANE		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3y97026.d DROLVI3y3745.M Sat Oct 18 23:08:39 2025

10.5.2 10

Continuing Calibration Summary

Job Number: JE21194
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: G3Y3747-CC3745
Lab FileID: 3Y97091.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\G3y3747\3y97091.d Vial: 3
Acq On : 18 Oct 2025 5:45 pm Operator: rebeccak
Sample : cc3745-20 Inst : GC3Y3Z
Misc : op68193,g3y3747,55.0,,,2,1 Multiplr: 1.00
IntFile : autoint1.e

Method : C:\msdchem\1\methods\DROLVI3y3745.M (ChemStation Integrator)
Title : GCTPHS
Last Update : Mon Oct 20 20:54:45 2025
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	H	TPH-DRO	34.400	36.100 E6	-4.9	111	0.00	2.00- 5.20
2	H	TPH-DRO (C10-C44)		----------NA----------				
3	H	TPH-ORO (>C28-C40)		----------NA----------				
4	H	TPH-DRO (C10-C20)		----------NA----------				
5	H	TPH-ORO (C20-C34)		----------NA----------				
6	S	o-TERPHENYL	45.097	49.177 E6	-9.0	113	-0.01	3.88- 3.94
7	S	5a-ANDROSTANE	39.656	43.245 E6	-9.1	118	-0.01	4.08- 4.14

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3y97025.d DROLVI3y3745.M Mon Oct 20 21:01:25 2025

10.5.3 10

Continuing Calibration Summary

Job Number: JE21194
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Sample: G3Y3747-CC3745
Lab FileID: 3Y97102.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\G3y3747\3y97102.d Vial: 4
Acq On : 18 Oct 2025 9:21 pm Operator: rebeccak
Sample : cc3745-40 Inst : GC3Y3Z
Misc : op68257,g3y3747,55.0,,,2,1 Multiplr: 1.00
IntFile : autoint1.e

Method : C:\msdchem\1\methods\DROLVI3y3745.M (ChemStation Integrator)
Title : GCTPHS
Last Update : Mon Oct 20 20:54:45 2025
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	H	TPH-DRO	34.400	37.742 E6	-9.7	117	0.00	2.00- 5.20
2	H	TPH-DRO (C10-C44)		----------NA----------				
3	H	TPH-ORO (>C28-C40)		----------NA----------				
4	H	TPH-DRO (C10-C20)		----------NA----------				
5	H	TPH-ORO (C20-C34)		----------NA----------				
6	S	o-TERPHENYL	45.097	52.002 E6	-15.3	121	-0.01	3.88- 3.94
7	S	5a-ANDROSTANE	39.656	45.584 E6	-14.9	118	-0.01	4.08- 4.14

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3y97026.d DROLVI3y3745.M Mon Oct 20 21:00:48 2025

10.5.4 10

Continuing Calibration Summary

Job Number: JE21194
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY
Sample: G3Y3747-CC3745
Lab FileID: 3Y97113.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\G3y3747\3y97113.d Vial: 3
Acq On : 19 Oct 2025 1:11 am Operator: rebeccak
Sample : cc3745-20 Inst : GC3Y3Z
Misc : op68257,g3y3747,55.0,,,2,1 Multiplr: 1.00
IntFile : autoint1.e

Method : C:\msdchem\1\methods\DROLVI3y3745.M (ChemStation Integrator)
Title : GCTPHS
Last Update : Mon Oct 20 20:54:45 2025
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 H	TPH-DRO	34.400	37.995 E6	-10.5	116	0.00	2.00- 5.20
2 H	TPH-DRO (C10-C44)		----------NA----------				
3 H	TPH-ORO (>C28-C40)		----------NA----------				
4 H	TPH-DRO (C10-C20)		----------NA----------				
5 H	TPH-ORO (C20-C34)		----------NA----------				
6 S	o-TERPHENYL	45.097	52.046 E6	-15.4	120	-0.02	3.87- 3.93
7 S	5a-ANDROSTANE	39.656	44.885 E6	-13.2	123	-0.02	4.08- 4.14

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3y97025.d DROLVI3y3745.M Mon Oct 20 21:01:28 2025

10.5.5 10

Continuing Calibration Summary

Job Number: JE21194
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY
Sample: G3Y3747-CC3745
Lab FileID: 3Y97124.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\G3y3747\3y97124.d Vial: 4
Acq On : 19 Oct 2025 4:48 am Operator: rebeccak
Sample : cc3745-40 Inst : GC3Y3Z
Misc : op68149,g3y3747,55.0,,,2,1 Multiplr: 1.00
IntFile : autoint1.e

Method : C:\msdchem\1\methods\DROLVI3y3745.M (ChemStation Integrator)
Title : GCTPHS
Last Update : Mon Oct 20 20:54:45 2025
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	H	TPH-DRO	34.400	41.130 E6	-19.6	127	0.00	2.00- 5.20
2	H	TPH-DRO (C10-C44)		----------NA----------				
3	H	TPH-ORO (>C28-C40)		----------NA----------				
4	H	TPH-DRO (C10-C20)		----------NA----------				
5	H	TPH-ORO (C20-C34)		----------NA----------				
6	S	o-TERPHENYL	45.097	56.941 E6	-26.3#	133	-0.01	3.87- 3.93
7	S	5a-ANDROSTANE	39.656	49.750 E6	-25.5#	128	-0.02	4.08- 4.14

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3y97026.d DROLVI3y3745.M Mon Oct 20 21:00:50 2025

10.5.6 10

Run Sequence Report

Job Number: JE21194
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Run ID: G3Y3745 **Method:** SW846 8015D **Instrument ID:** GC3Y

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
G3Y3745-RT	3Y97020.D	10/17/25 08:38	n/a	Retention Time Marker
G3Y3745-IC3745	3Y97022.D	10/17/25 09:41	n/a	Initial cal 2
G3Y3745-IC3745	3Y97023.D	10/17/25 10:01	n/a	Initial cal 4
G3Y3745-IC3745	3Y97024.D	10/17/25 10:20	n/a	Initial cal 10
G3Y3745-IC3745	3Y97025.D	10/17/25 10:40	n/a	Initial cal 20
G3Y3745-ICC3745	3Y97026.D	10/17/25 11:00	n/a	Initial cal 40
G3Y3745-IC3745	3Y97027.D	10/17/25 11:20	n/a	Initial cal 100
G3Y3745-IC3745	3Y97028.D	10/17/25 11:40	n/a	Initial cal 200
G3Y3745-IC3745	3Y97029.D	10/17/25 12:00	n/a	Initial cal 400
G3Y3745-IC3745	3Y97037.D	10/17/25 14:39	n/a	Initial cal 1
G3Y3745-ICV3745	3Y97039.D	10/17/25 15:19	n/a	Initial cal verification 40

Run Sequence Report

Job Number: JE21194
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Run ID: G3Y3747 **Method:** SW846 8015D **Instrument ID:** GC3Y

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
G3Y3747-CC3745	3Y97080.D	10/18/25 13:01	n/a	Continuing cal 40
G3Y3747-RT	3Y97081.D	10/18/25 14:27	n/a	Retention Time Marker
OP68193-MB1	3Y97083.D	10/18/25 15:06	OP68193	Method Blank
OP68193-BS1	3Y97084.D	10/18/25 15:26	OP68193	Blank Spike
OP68193-BSD	3Y97085.D	10/18/25 15:46	OP68193	Blank Spike Duplicate
ZZZZZZ	3Y97086.D	10/18/25 16:05	OP68193	(unrelated sample)
ZZZZZZ	3Y97087.D	10/18/25 16:25	OP68193	(unrelated sample)
ZZZZZZ	3Y97088.D	10/18/25 16:45	OP68193	(unrelated sample)
ZZZZZZ	3Y97089.D	10/18/25 17:05	OP68193	(unrelated sample)
G3Y3747-CC3745	3Y97091.D	10/18/25 17:45	n/a	Continuing cal 20
ZZZZZZ	3Y97093.D	10/18/25 18:24	OP68193	(unrelated sample)
ZZZZZZ	3Y97094.D	10/18/25 18:44	OP68193	(unrelated sample)
ZZZZZZ	3Y97095.D	10/18/25 19:04	OP68193	(unrelated sample)
ZZZZZZ	3Y97096.D	10/18/25 19:23	OP68193	(unrelated sample)
ZZZZZZ	3Y97097.D	10/18/25 19:43	OP68193	(unrelated sample)
ZZZZZZ	3Y97098.D	10/18/25 20:03	OP68193	(unrelated sample)
OP68257-MB1	3Y97099.D	10/18/25 20:22	OP68257	Method Blank
OP68257-BS1	3Y97100.D	10/18/25 20:42	OP68257	Blank Spike
G3Y3747-CC3745	3Y97102.D	10/18/25 21:21	n/a	Continuing cal 40
OP68257-BSD	3Y97104.D	10/18/25 22:15	OP68257	Blank Spike Duplicate
ZZZZZZ	3Y97105.D	10/18/25 22:35	OP68257	(unrelated sample)
ZZZZZZ	3Y97106.D	10/18/25 22:54	OP68257	(unrelated sample)
ZZZZZZ	3Y97107.D	10/18/25 23:14	OP68257	(unrelated sample)
ZZZZZZ	3Y97108.D	10/18/25 23:33	OP68257	(unrelated sample)
ZZZZZZ	3Y97109.D	10/18/25 23:53	OP68257	(unrelated sample)
ZZZZZZ	3Y97110.D	10/19/25 00:13	OP68257	(unrelated sample)
JE21194-1	3Y97111.D	10/19/25 00:32	OP68257	MW-EPA-10 10142025
G3Y3747-CC3745	3Y97113.D	10/19/25 01:11	n/a	Continuing cal 20
OP68257-MB2	3Y97115.D	10/19/25 01:51	OP68257	Method Blank
OP68257-BS2	3Y97116.D	10/19/25 02:10	OP68257	Blank Spike
OP68257-BSD2	3Y97117.D	10/19/25 02:30	OP68257	Blank Spike Duplicate
ZZZZZZ	3Y97118.D	10/19/25 02:50	OP68257	(unrelated sample)
ZZZZZZ	3Y97119.D	10/19/25 03:09	OP68257	(unrelated sample)
JE21194-1A	3Y97120.D	10/19/25 03:29	OP68257	MW-EPA-10 10142025
G3Y3747-CC3745	3Y97124.D	10/19/25 04:48	n/a	Continuing cal 40

GC/LC Semi-volatiles

Raw Data

Manual Integrations APPROVED (compounds with "m" flag)
Rebecca Krug
10/20/25 21:13

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97111.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 12:32 am
Operator : rebeccak
Sample : je21194-1
Misc : op68257,g3y3747,47.2,,,2,1
ALS Vial : 28 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 17:13:55 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
6) S o-TERPHENYL	3.906	129056616	2.862	PPM	
Spiked Amount 50.000		Recovery =	5.72%		
7) S 5a-ANDROSTANE	4.110	94471858	2.382	PPM	m
Spiked Amount 50.000		Recovery =	4.76%		
Target Compounds					
1) H TPH-DRO	3.600	1014466223	29.491	PPM	

(f)=RT Delta > 1/2 Window (m)=manual int.

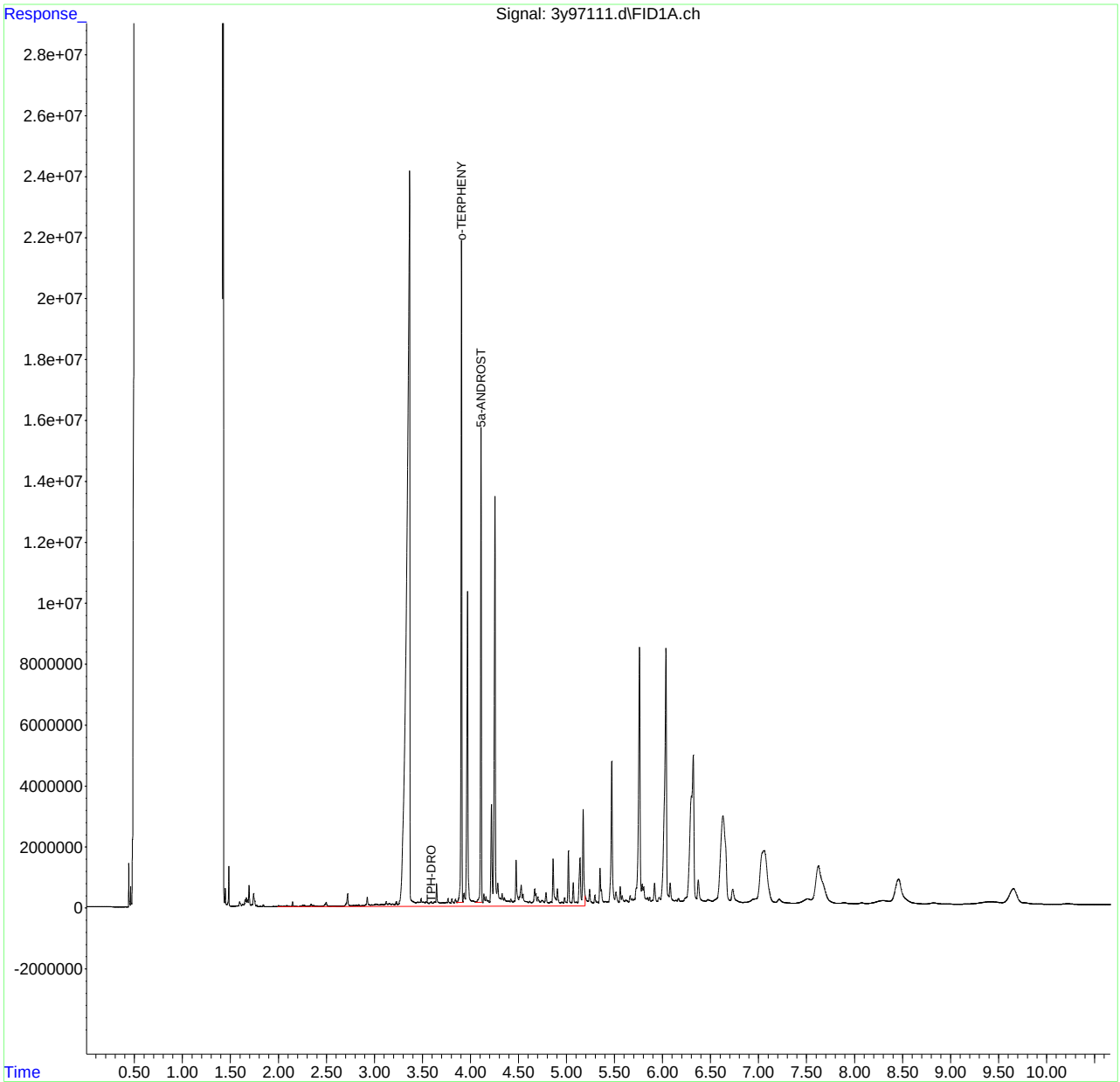
11.1.1 11

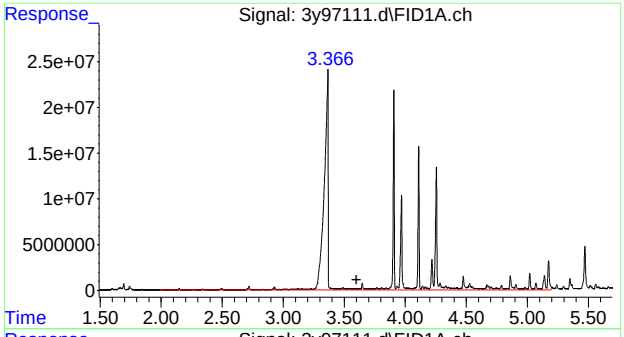
Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97111.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 12:32 am
Operator : rebeccak
Sample : je21194-1
Misc : op68257,g3y3747,47.2,,,2,1
ALS Vial : 28 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 17:13:55 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

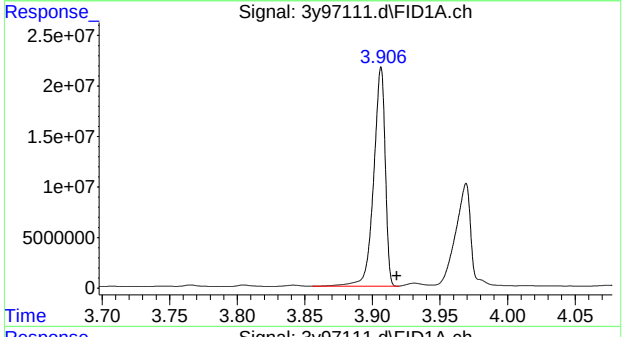
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





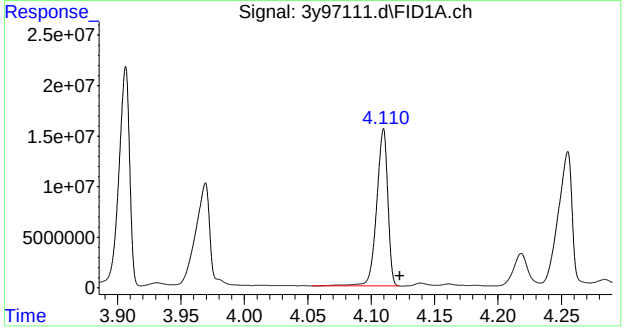
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 1014466223
Conc: 29.49 PPM



#6 o-TERPHENYL

R.T.: 3.906 min
Delta R.T.: -0.012 min
Response: 129056616
Conc: 2.86 PPM



#7 5a-ANDROSTANE

R.T.: 4.110 min
Delta R.T.: -0.013 min
Response: 94471858
Conc: 2.38 PPM m

Manual Integration Approval Summary

Sample Number: JE21194-1
Lab FileID: 3Y97111.D
Injection Time: 10/19/25 00:32
Method: SW846 8015D
Analyst approved: 10/20/25 15:31 Maria Benavides
Supervisor approved: 10/20/25 21:13 Rebecca Krug

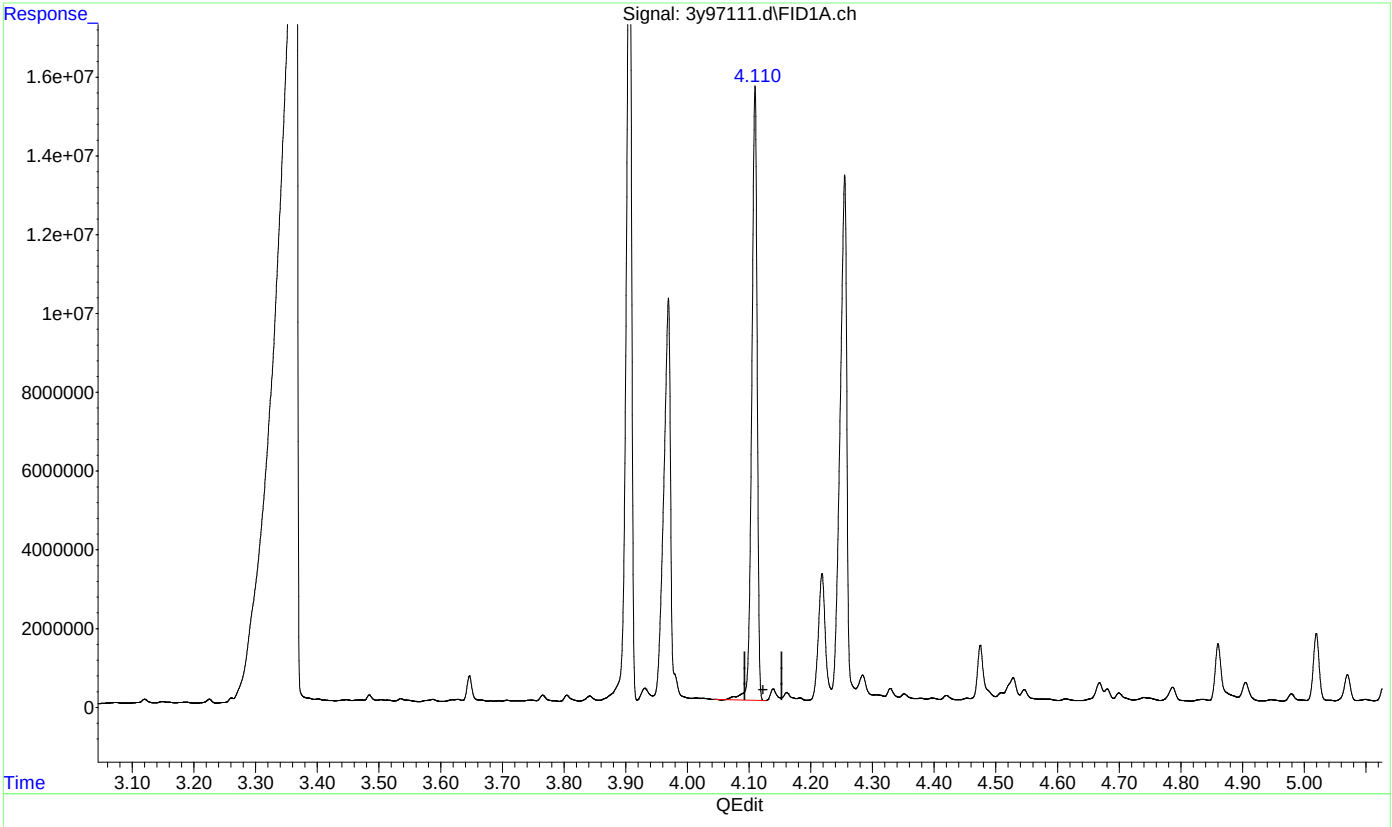
Parameter	CAS	Sig#	R.T. (min.)	Reason
5a-Androstane	438-22-2	1	4.11	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97111.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 12:32 am
Operator : rebeccak
Sample : je21194-1
Misc : op68257,g3y3747,47.2,,,2,1
ALS Vial : 28 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:05:45 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.110min 2.386 PPM

response 94638625

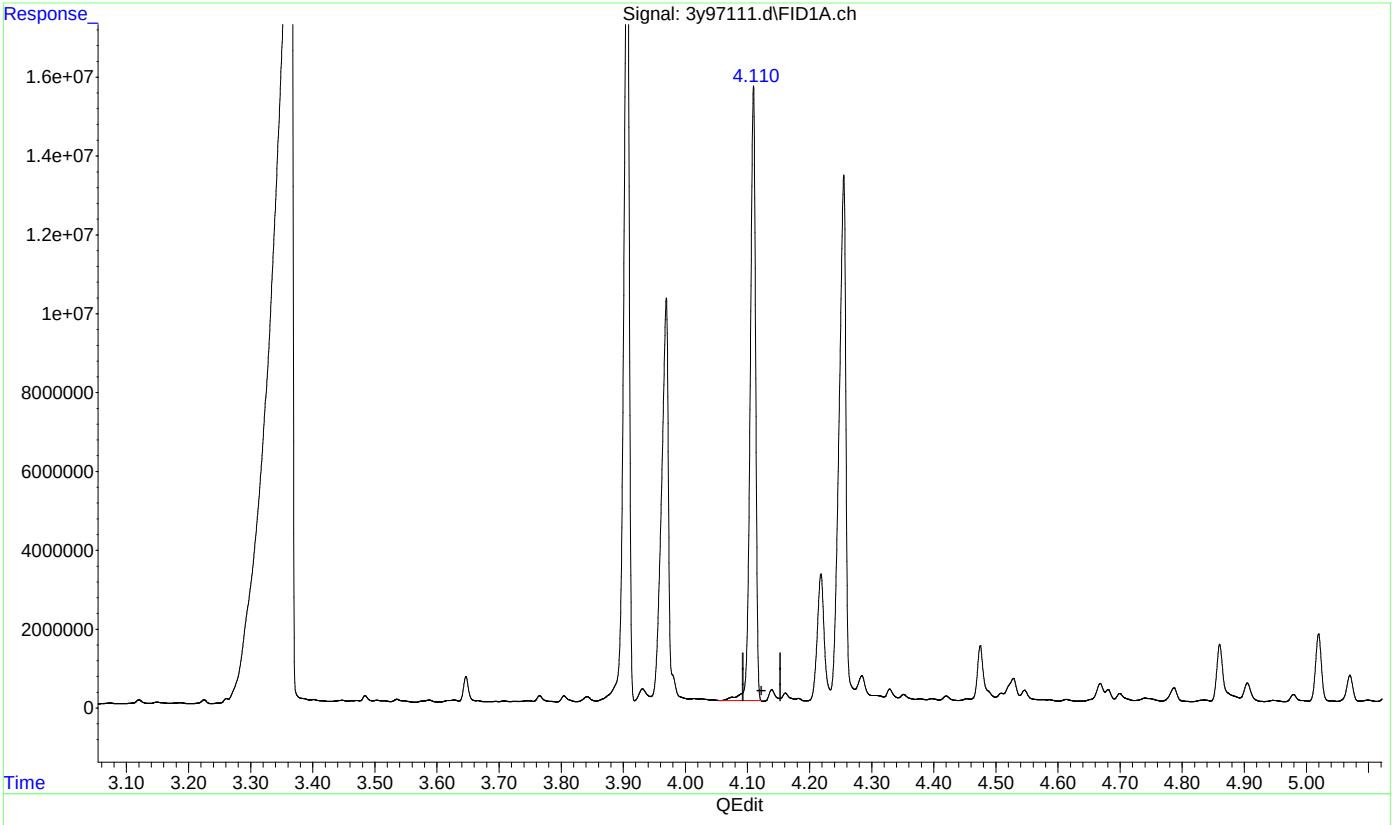
(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 17:11:33 2025

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97111.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 12:32 am
Operator : rebeccak
Sample : je21194-1
Misc : op68257,g3y3747,47.2,,,2,1
ALS Vial : 28 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:05:45 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.110min 2.382 PPM m

response 94471858

(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 17:11:51 2025

Manual Integrations APPROVED
(compounds with "m" flag)
Rebecca Krug
10/20/25 21:13

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97120.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 3:29 am
Operator : rebeccak
Sample : je21194-1a
Misc : op68257,g3y3747,47.6,,,2,1
ALS Vial : 34 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 17:26:48 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
6) S o-TERPHENYL	3.905	130870401	2.902	PPM	m
Spiked Amount 50.000		Recovery =	5.80%		
7) S 5a-ANDROSTANE	4.108	92038964	2.321	PPM	m
Spiked Amount 50.000		Recovery =	4.64%		
Target Compounds					
1) H TPH-DRO	3.600	982373099	28.558	PPM	

(f)=RT Delta > 1/2 Window (m)=manual int.

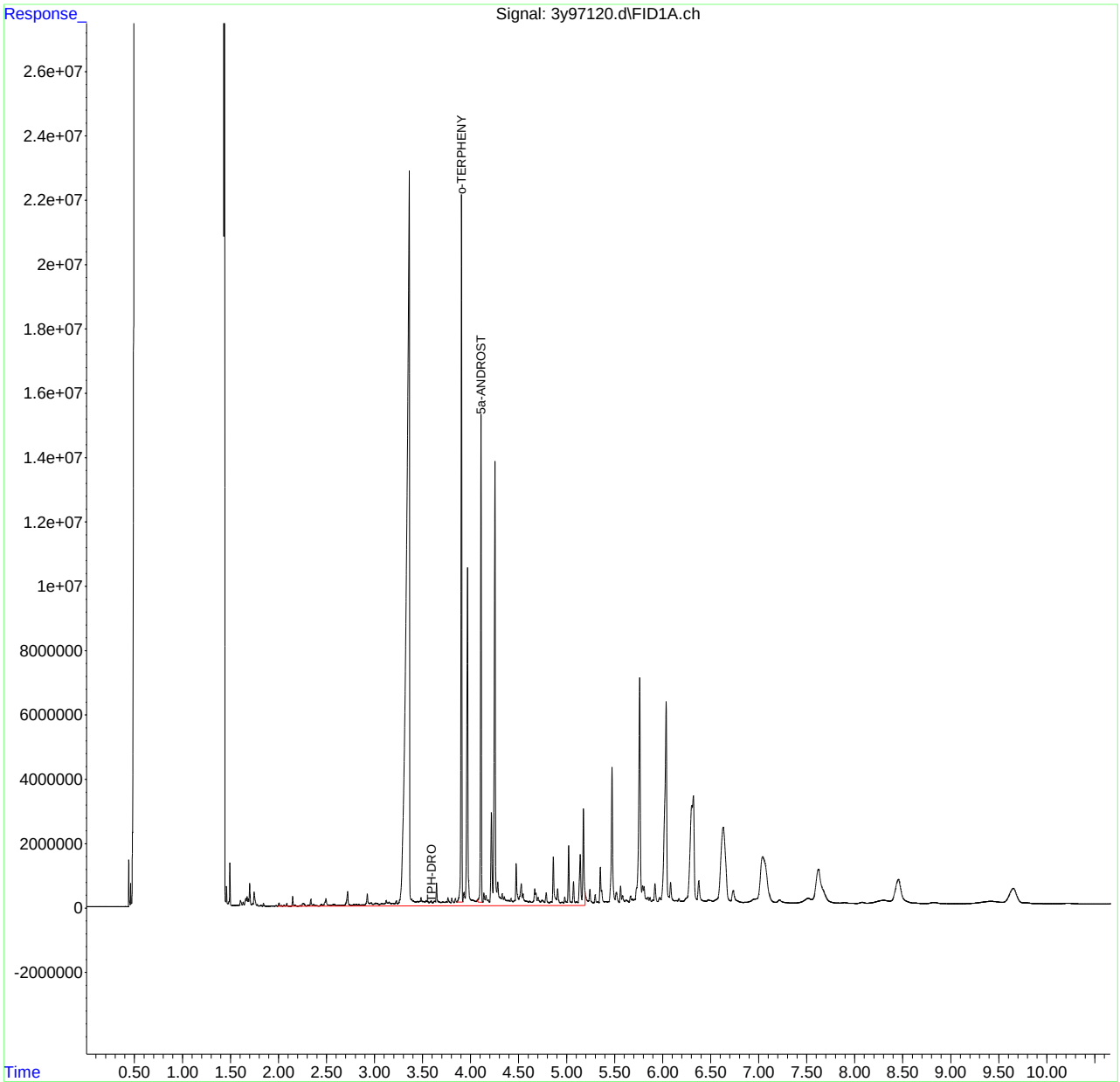
11.1.2
11

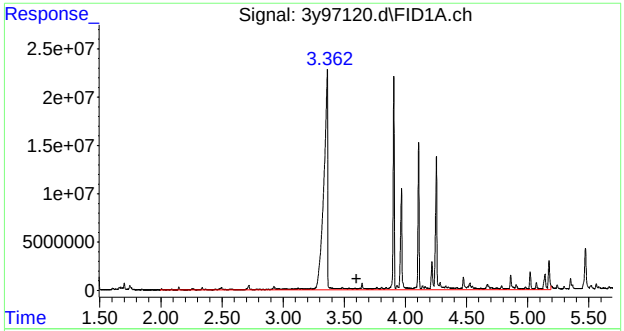
Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97120.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 3:29 am
Operator : rebeccak
Sample : je21194-1a
Misc : op68257,g3y3747,47.6,,,2,1
ALS Vial : 34 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 17:26:48 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

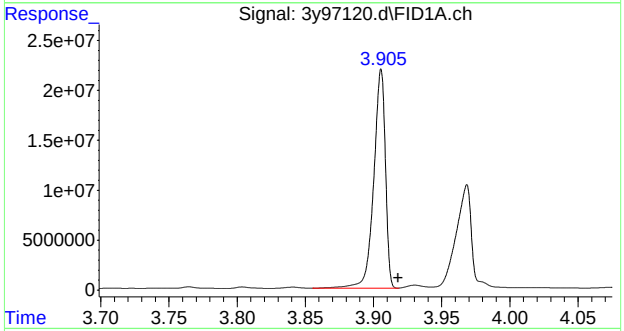
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





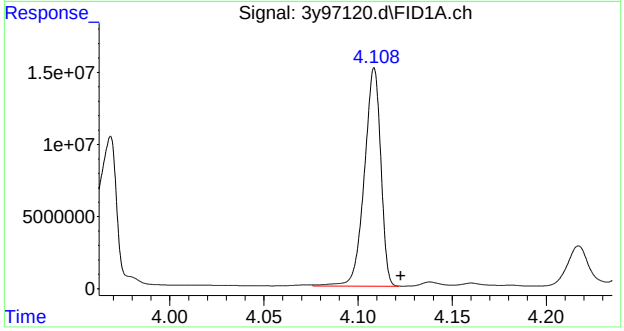
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 982373099
Conc: 28.56 PPM



#6 o-TERPHENYL

R.T.: 3.905 min
Delta R.T.: -0.013 min
Response: 130870401
Conc: 2.90 PPM m



#7 5a-ANDROSTANE

R.T.: 4.108 min
Delta R.T.: -0.014 min
Response: 92038964
Conc: 2.32 PPM m

Manual Integration Approval Summary

Sample Number: JE21194-1A
Lab FileID: 3Y97120.D
Injection Time: 10/19/25 03:29
Method: SW846 8015D
Analyst approved: 10/20/25 15:31 Maria Benavides
Supervisor approved: 10/20/25 21:13 Rebecca Krug

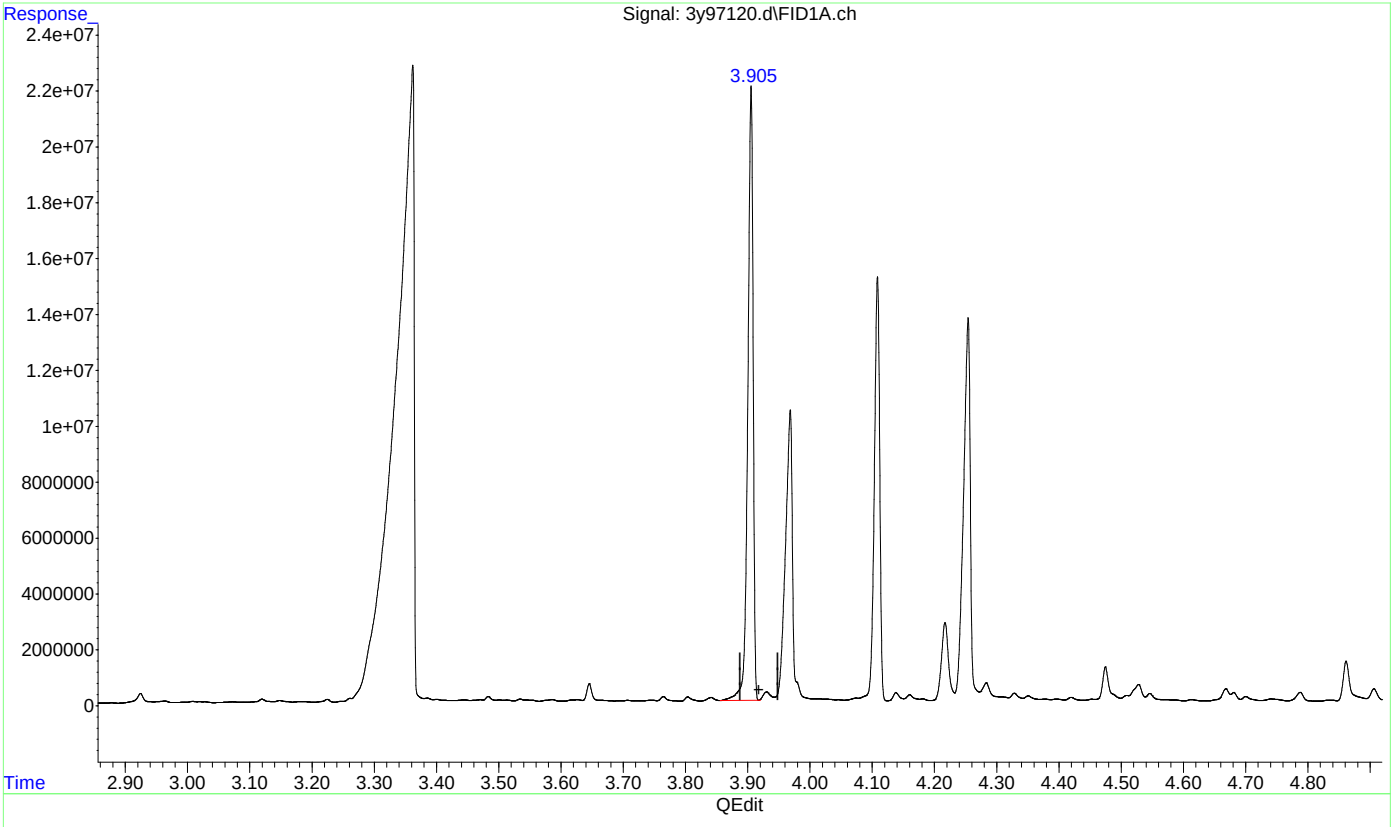
Parameter	CAS	Sig#	R.T. (min.)	Reason
o-Terphenyl	84-15-1	1	3.91	Poorly defined baseline
5a-Androstane	438-22-2	1	4.11	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97120.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 3:29 am
Operator : rebeccak
Sample : je21194-1a
Misc : op68257,g3y3747,47.6,,,2,1
ALS Vial : 34 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:06:25 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.906min 2.897 PPM

response 130653215

(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 17:25:16 2025

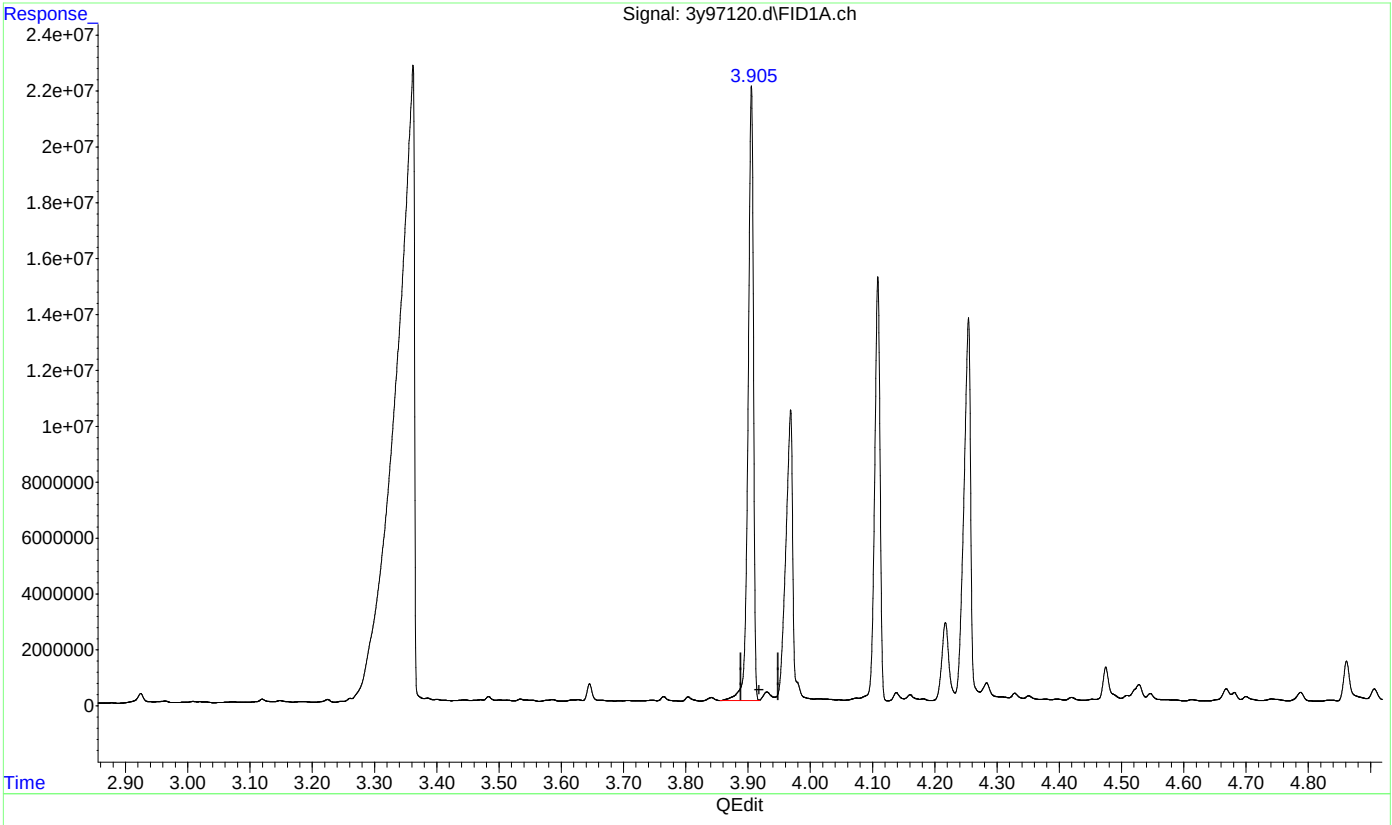
11.1.2.2
11

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97120.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 3:29 am
Operator : rebeccak
Sample : je21194-1a
Misc : op68257,g3y3747,47.6,,,2,1
ALS Vial : 34 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:06:25 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.905min 2.902 PPM m

response 130870401

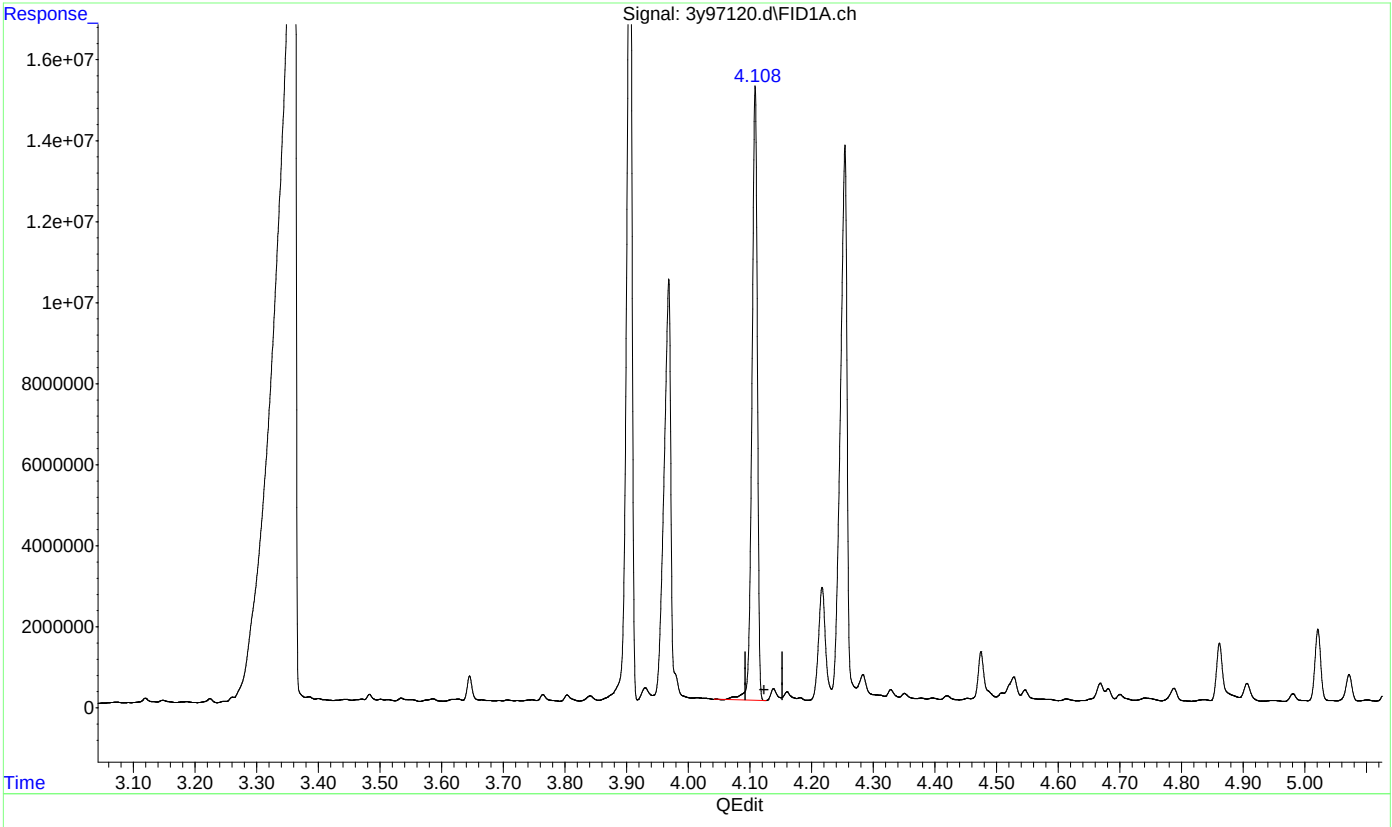
(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 17:25:32 2025

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97120.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 3:29 am
Operator : rebeccak
Sample : je21194-1a
Misc : op68257,g3y3747,47.6,,,2,1
ALS Vial : 34 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:06:25 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.109min 2.328 PPM

response 92319386

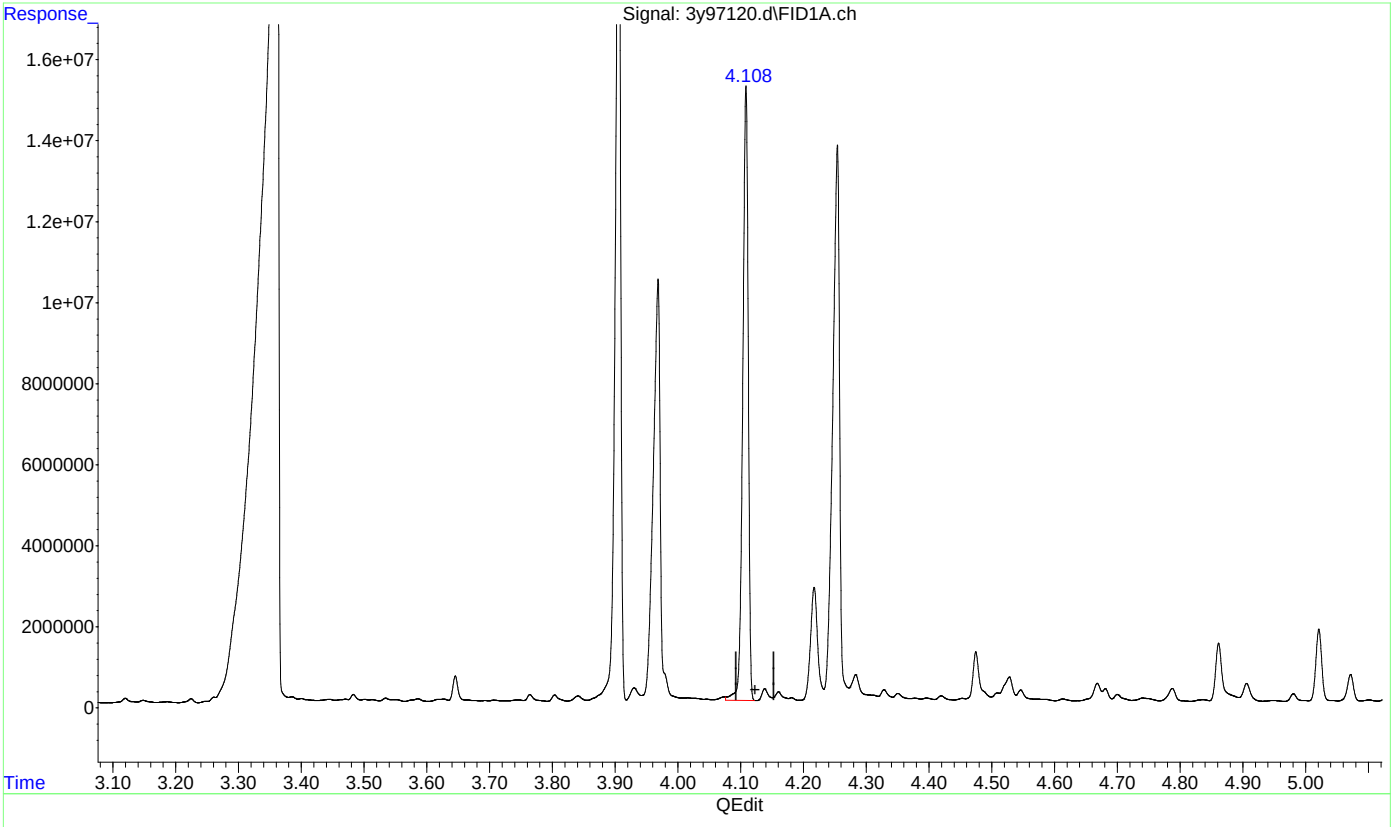
(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 17:25:36 2025

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97120.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 3:29 am
Operator : rebeccak
Sample : je21194-1a
Misc : op68257,g3y3747,47.6,,,2,1
ALS Vial : 34 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:06:25 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.108min 2.321 PPM m

response 92038964

(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 17:25:58 2025

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97099.d
Signal(s) : FID1A.ch
Acq On : 18 Oct 2025 8:22 pm
Operator : rebeccak
Sample : op68257-mb1
Misc : op68257,g3y3747,51.6,,,2,1
ALS Vial : 19 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:52:31 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
6) S o-TERPHENYL	3.908	128592605	2.851 PPM
Spiked Amount 50.000		Recovery =	5.70%
7) S 5a-ANDROSTANE	4.112	110603914	2.789 PPM
Spiked Amount 50.000		Recovery =	5.58%
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

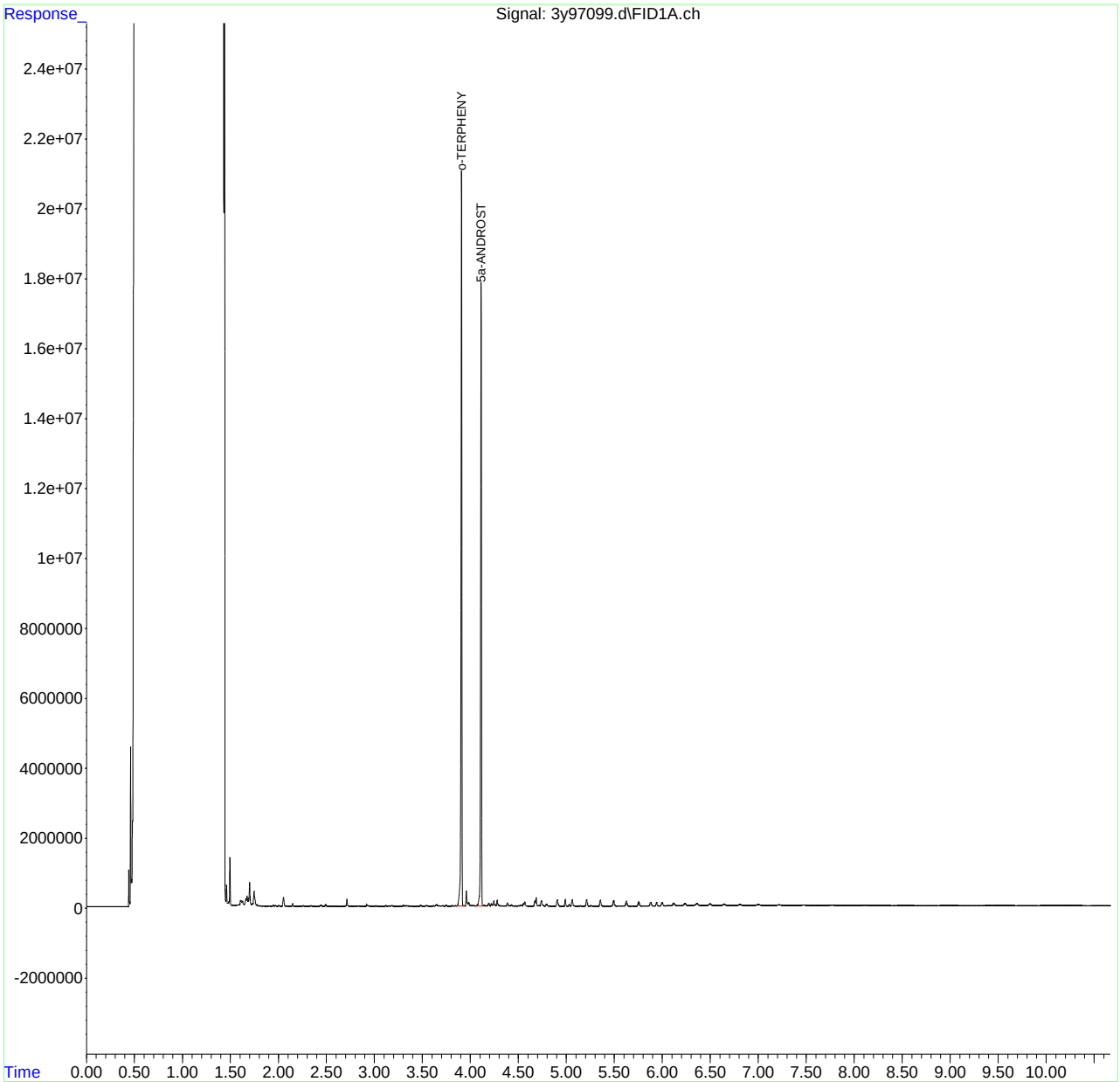
11.2.1 11

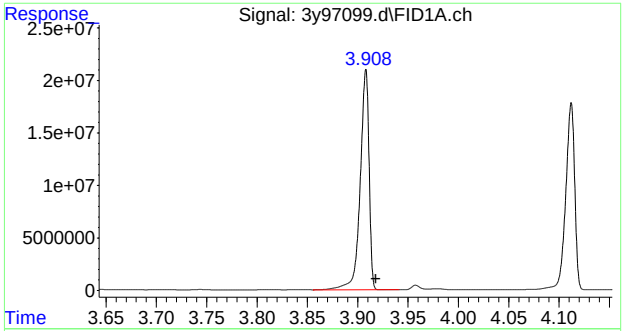
Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97099.d
Signal(s) : FID1A.ch
Acq On : 18 Oct 2025 8:22 pm
Operator : rebeccak
Sample : op68257-mb1
Misc : op68257,g3y3747,51.6,,,2,1
ALS Vial : 19 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:52:31 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

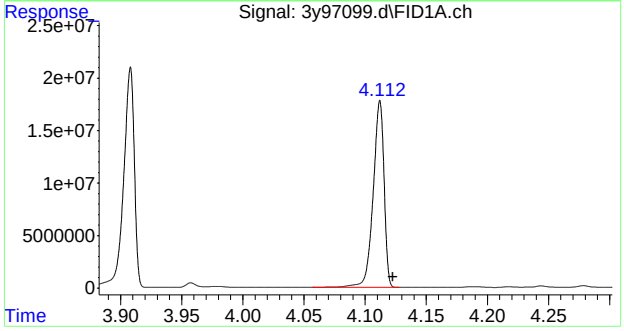
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





#6 o-TERPHENYL

R.T.: 3.908 min
Delta R.T.: -0.010 min
Response: 128592605
Conc: 2.85 PPM



#7 5a-ANDROSTANE

R.T.: 4.112 min
Delta R.T.: -0.011 min
Response: 110603914
Conc: 2.79 PPM

Manual Integrations APPROVED (compounds with "m" flag)
Rebecca Krug
10/20/25 21:13

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97115.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 1:51 am
Operator : rebeccak
Sample : op68257-mb2
Misc : op68257,g3y3747,51.7,,,2,1
ALS Vial : 29 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 17:16:23 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
6) S o-TERPHENYL	3.905	129601968	2.874	PPM	
Spiked Amount 50.000		Recovery =	5.75%		
7) S 5a-ANDROSTANE	4.108	109825743	2.769	PPM	m
Spiked Amount 50.000		Recovery =	5.54%		
Target Compounds					

(f)=RT Delta > 1/2 Window (m)=manual int.

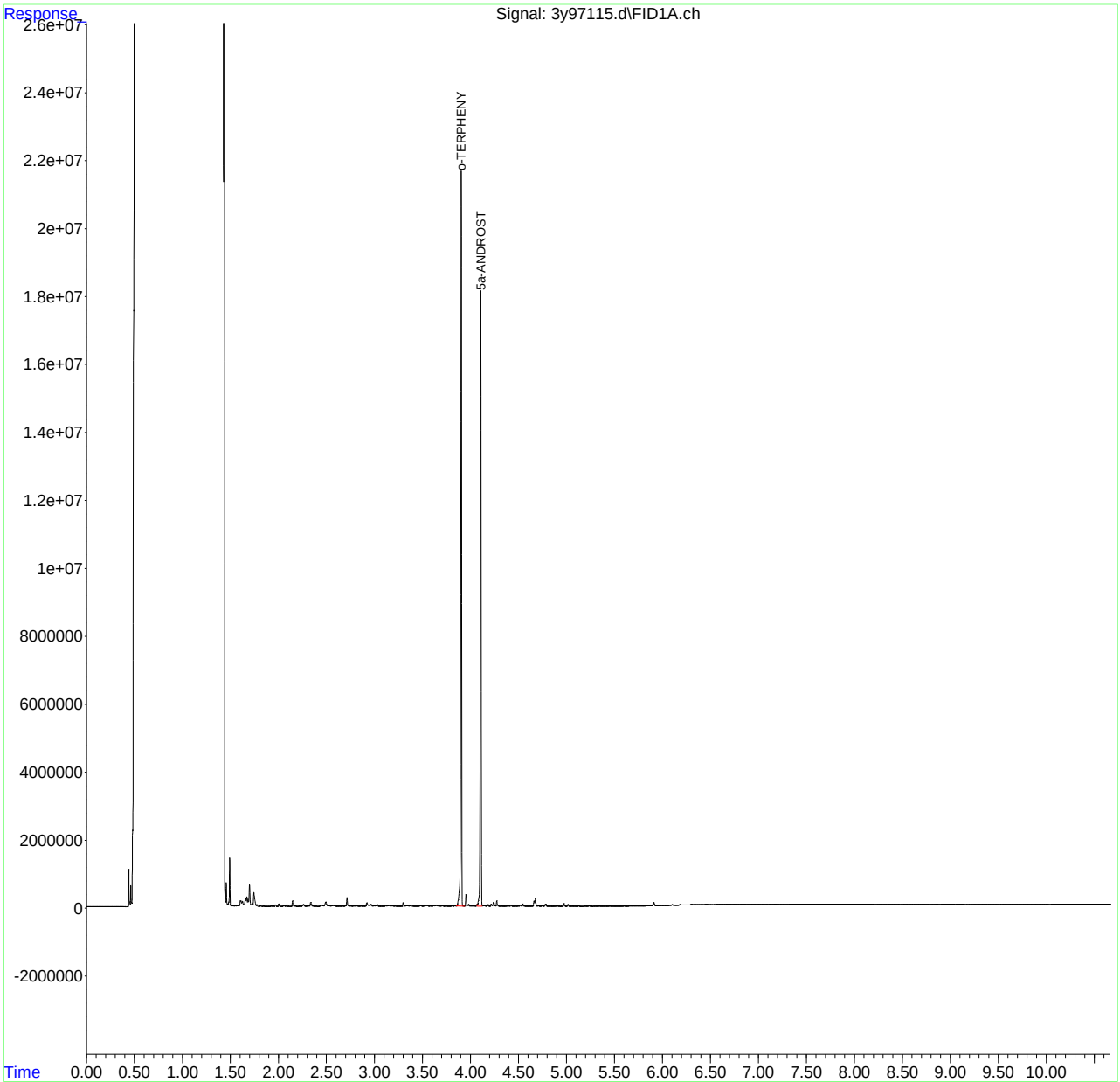
11.2.2 11

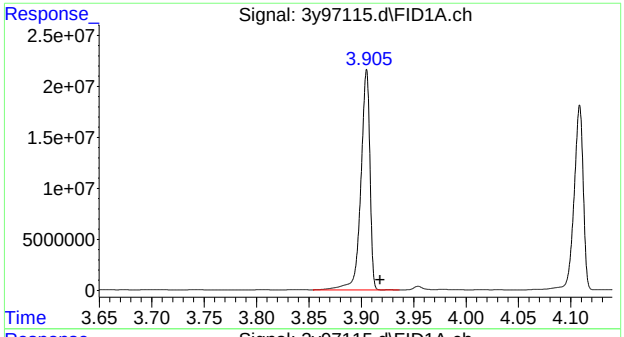
Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97115.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 1:51 am
Operator : rebeccak
Sample : op68257-mb2
Misc : op68257,g3y3747,51.7,,,2,1
ALS Vial : 29 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 17:16:23 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

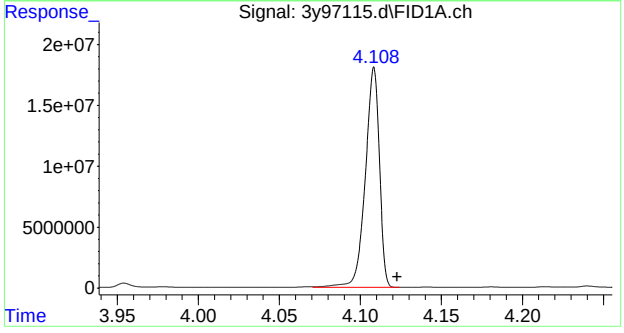
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





#6 o-TERPHENYL

R.T.: 3.905 min
Delta R.T.: -0.013 min
Response: 129601968
Conc: 2.87 PPM



#7 5a-ANDROSTANE

R.T.: 4.108 min
Delta R.T.: -0.015 min
Response: 109825743
Conc: 2.77 PPM m

Manual Integration Approval Summary

Sample Number: OP68257-MB2
Lab FileID: 3Y97115.D
Injection Time: 10/19/25 01:51
Method: SW846 8015D
Analyst approved: 10/20/25 15:31 Maria Benavides
Supervisor approved: 10/20/25 21:13 Rebecca Krug

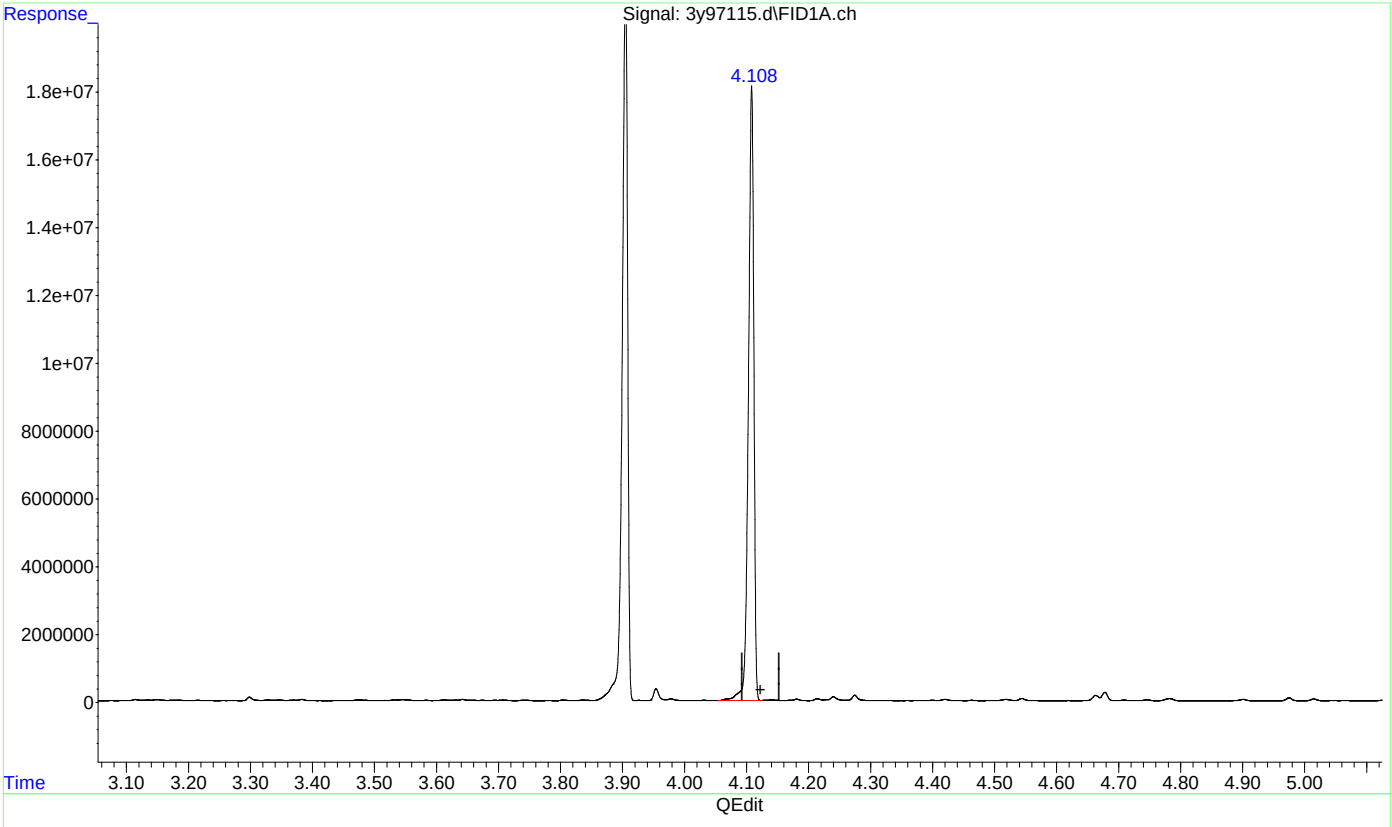
Parameter	CAS	Sig#	R.T. (min.)	Reason
5a-Androstane	438-22-2	1	4.11	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97115.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 1:51 am
Operator : rebeccak
Sample : op68257-mb2
Misc : op68257,g3y3747,51.7,,,2,1
ALS Vial : 29 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:05:59 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.108min 2.774 PPM

response 110010182

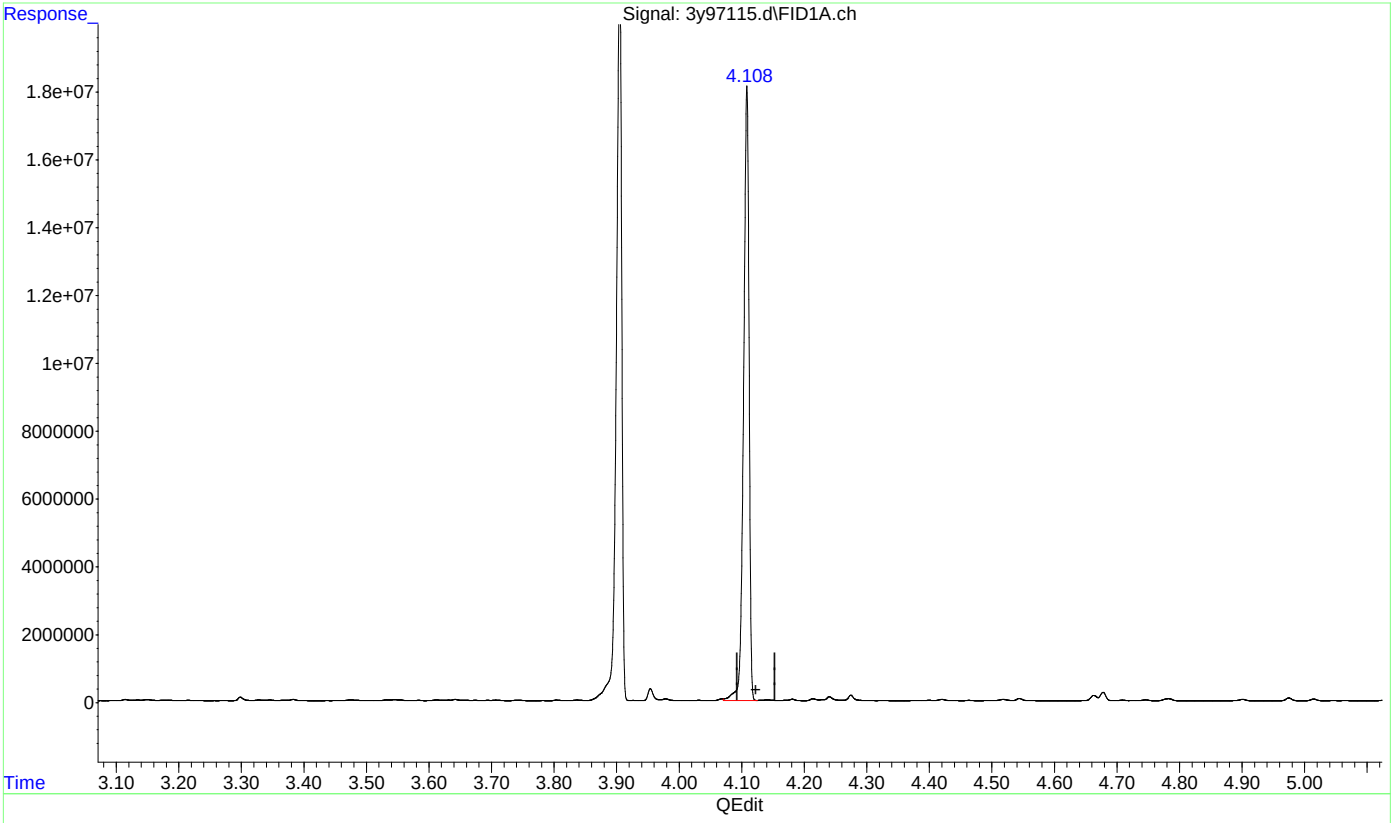
(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 17:16:05 2025

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97115.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 1:51 am
Operator : rebeccak
Sample : op68257-mb2
Misc : op68257,g3y3747,51.7,,,2,1
ALS Vial : 29 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:05:59 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.108min 2.769 PPM m

response 109825743

(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 17:16:26 2025

Manual Integrations APPROVED (compounds with "m" flag)
Rebecca Krug
10/20/25 21:13

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97100.d
Signal(s) : FID1A.ch
Acq On : 18 Oct 2025 8:42 pm
Operator : rebeccak
Sample : op68257-bs1
Misc : op68257,g3y3747,51.3,,,2,1
ALS Vial : 20 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:54:26 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
6) S o-TERPHENYL	3.907	130619835	2.896	PPM	m
Spiked Amount 50.000		Recovery = 5.79%			
7) S 5a-ANDROSTANE	4.112	110845062	2.795	PPM	m
Spiked Amount 50.000		Recovery = 5.59%			
Target Compounds					
1) H TPH-DRO	3.600	1828703567	53.160	PPM	

(f)=RT Delta > 1/2 Window (m)=manual int.

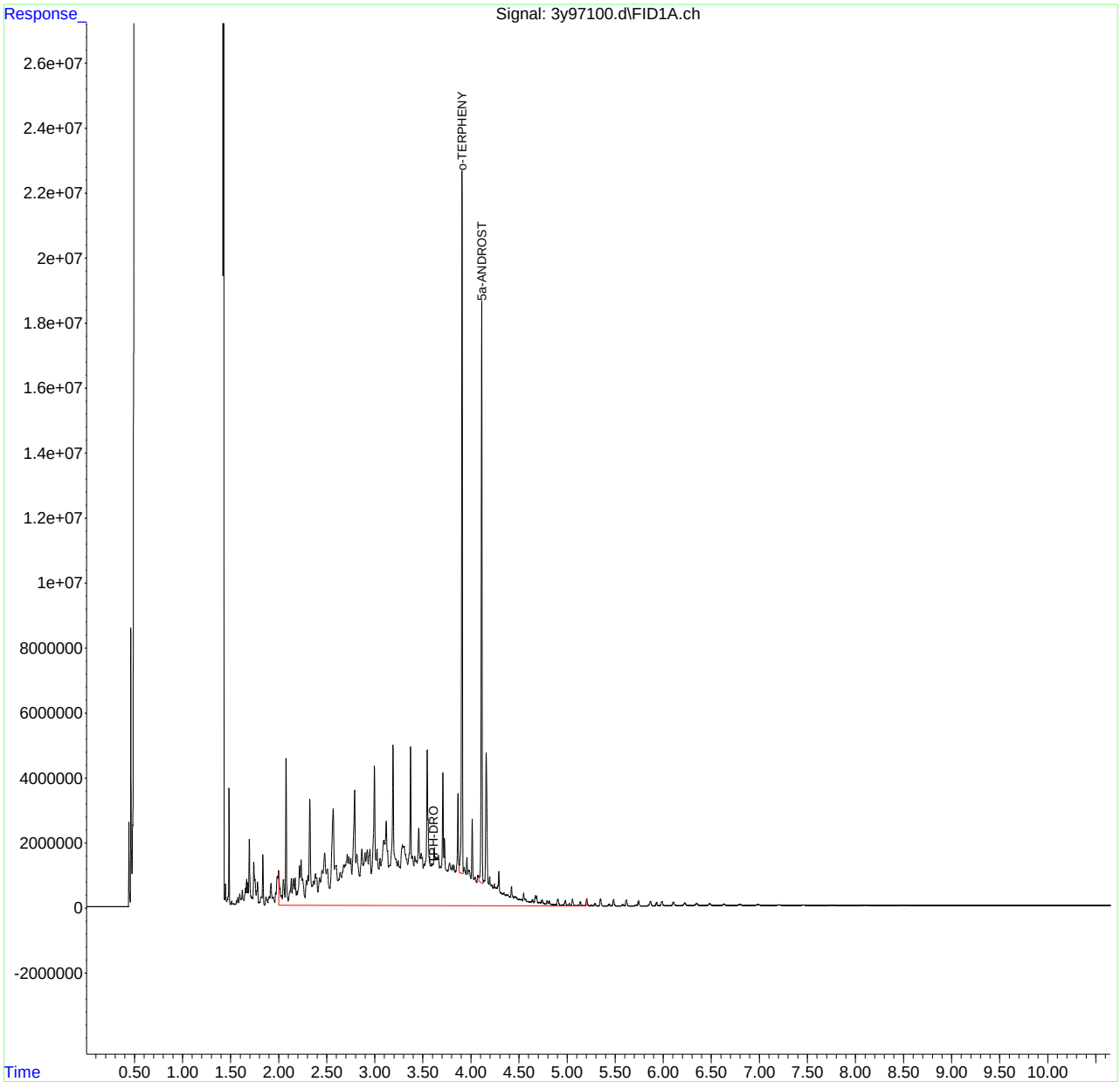
11.3.1 11

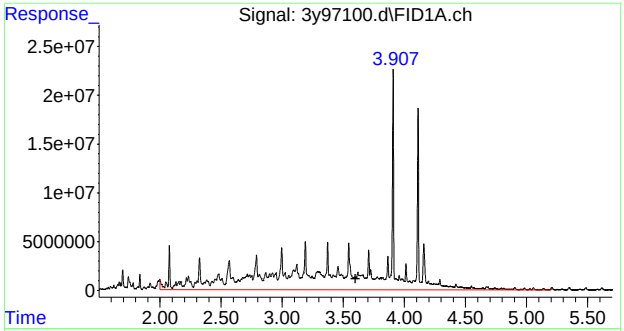
Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97100.d
Signal(s) : FID1A.ch
Acq On : 18 Oct 2025 8:42 pm
Operator : rebeccak
Sample : op68257-bs1
Misc : op68257,g3y3747,51.3,,,2,1
ALS Vial : 20 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:54:26 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

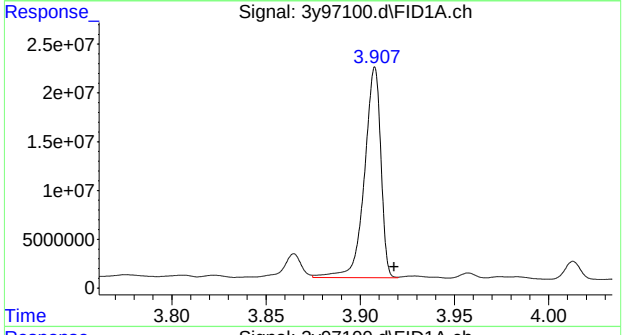
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





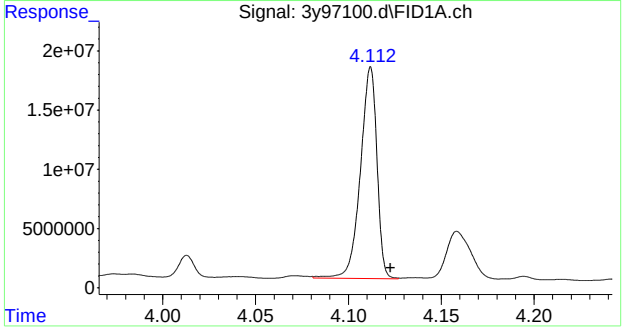
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 1828703567
Conc: 53.16 PPM



#6 o-TERPHENYL

R.T.: 3.907 min
Delta R.T.: -0.011 min
Response: 130619835
Conc: 2.90 PPM m



#7 5a-ANDROSTANE

R.T.: 4.112 min
Delta R.T.: -0.011 min
Response: 110845062
Conc: 2.80 PPM m

Manual Integration Approval Summary

Sample Number: OP68257-BS1
Lab FileID: 3Y97100.D
Injection Time: 10/18/25 20:42
Method: SW846 8015D
Analyst approved: 10/20/25 15:31 Maria Benavides
Supervisor approved: 10/20/25 21:13 Rebecca Krug

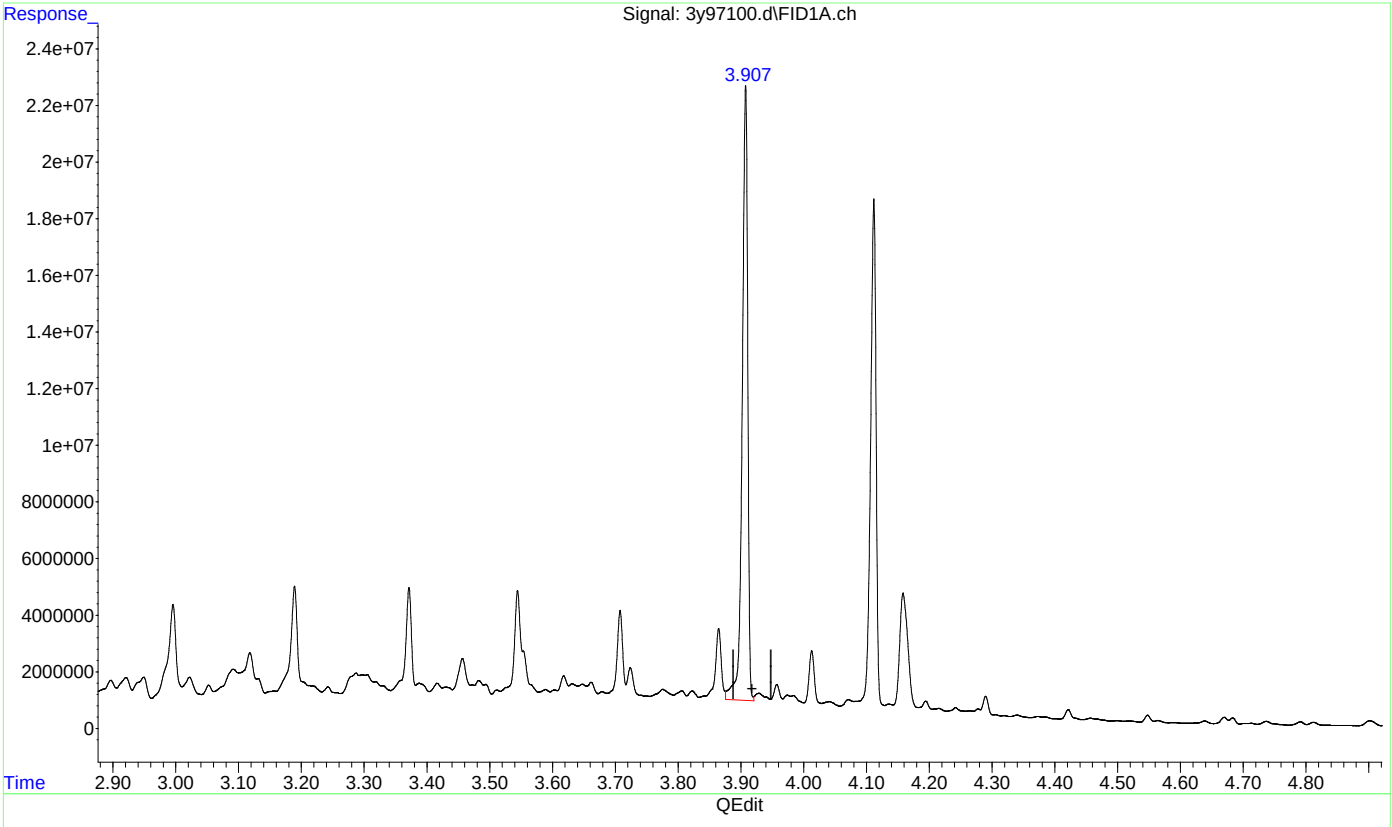
Parameter	CAS	Sig#	R.T. (min.)	Reason
o-Terphenyl	84-15-1	1	3.91	Poorly defined baseline
5a-Androstane	438-22-2	1	4.11	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97100.d
Signal(s) : FID1A.ch
Acq On : 18 Oct 2025 8:42 pm
Operator : rebeccak
Sample : op68257-bs1
Misc : op68257,g3y3747,51.3,,,2,1
ALS Vial : 20 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:04:55 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.908min 2.942 PPM

response 132655241

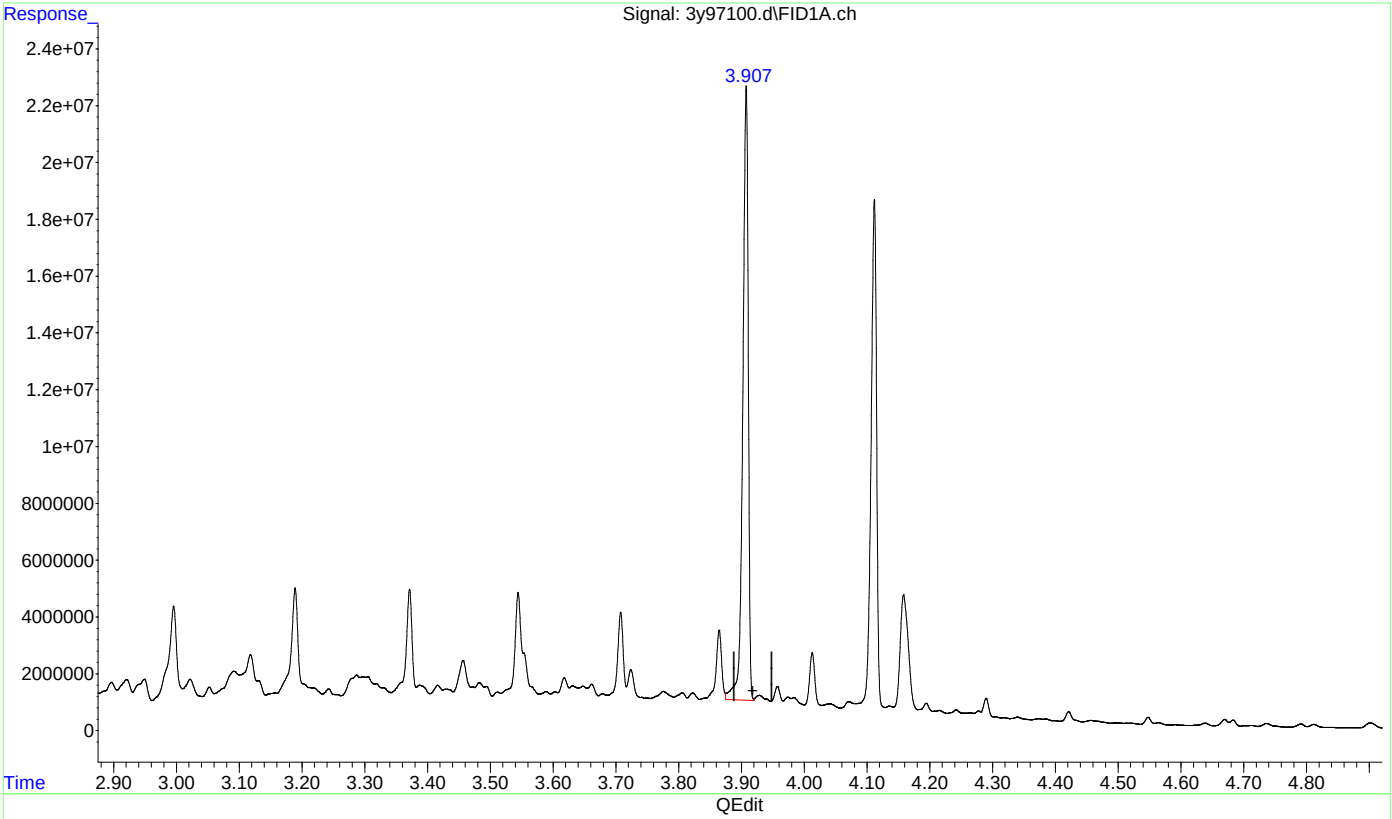
(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 16:53:38 2025

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97100.d
Signal(s) : FID1A.ch
Acq On : 18 Oct 2025 8:42 pm
Operator : rebeccak
Sample : op68257-bs1
Misc : op68257,g3y3747,51.3,,,2,1
ALS Vial : 20 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:04:55 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.907min 2.896 PPM m

response 130619835

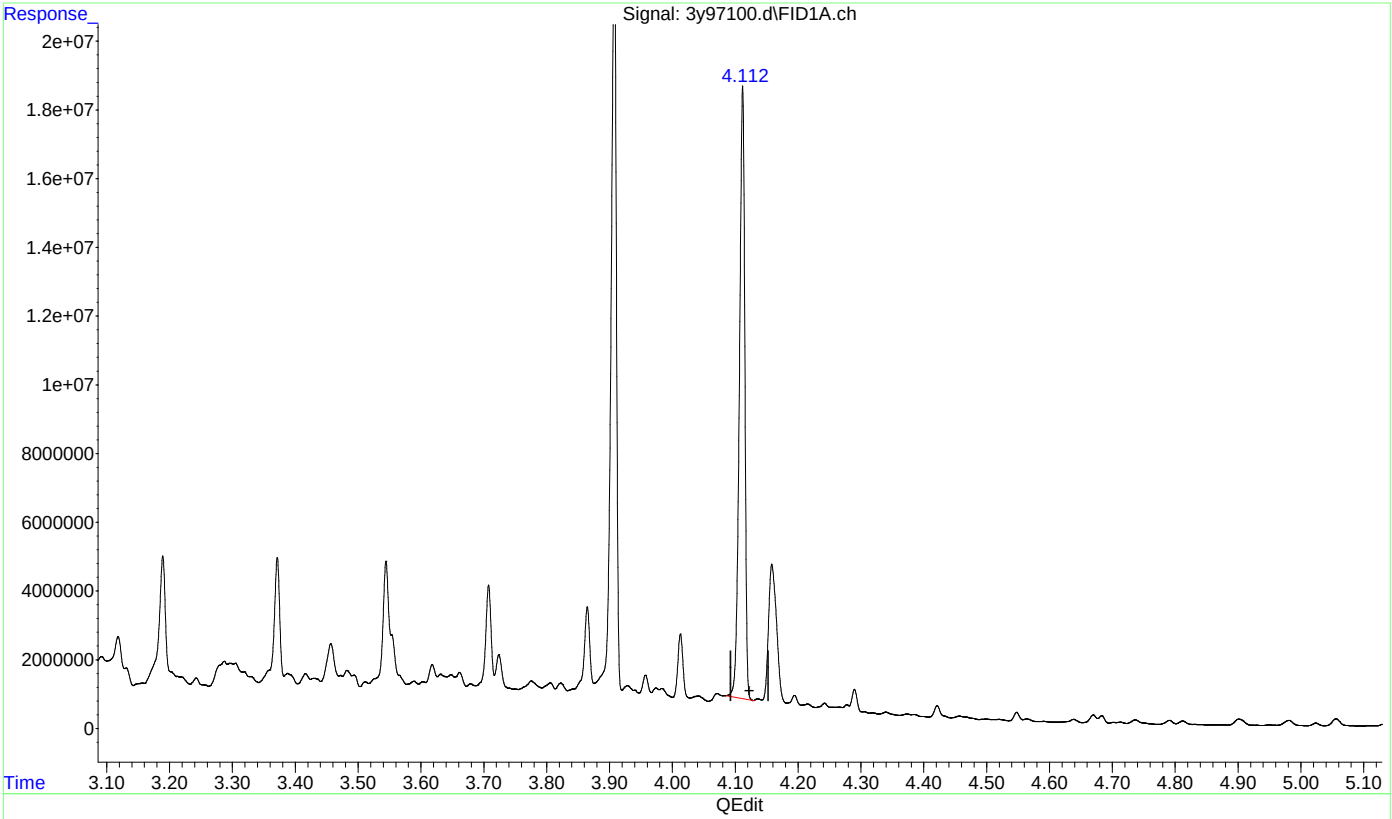
(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 16:53:58 2025

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97100.d
Signal(s) : FID1A.ch
Acq On : 18 Oct 2025 8:42 pm
Operator : rebeccak
Sample : op68257-bs1
Misc : op68257,g3y3747,51.3,,,2,1
ALS Vial : 20 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:04:55 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.112min 2.723 PPM

response 107999264

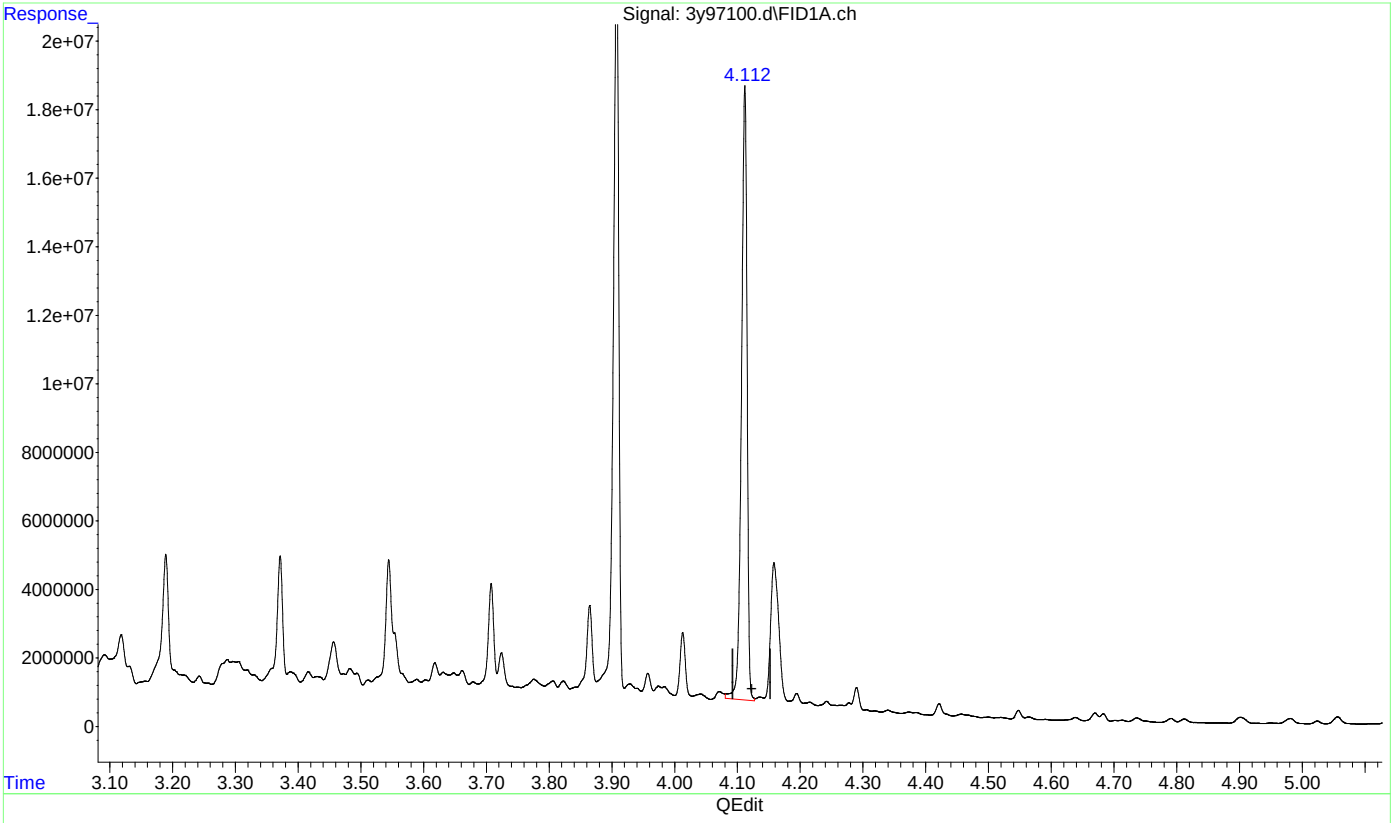
(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 16:54:03 2025

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97100.d
Signal(s) : FID1A.ch
Acq On : 18 Oct 2025 8:42 pm
Operator : rebeccak
Sample : op68257-bs1
Misc : op68257,g3y3747,51.3,,,2,1
ALS Vial : 20 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:04:55 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.112min 2.795 PPM m

response 110845062

(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 16:54:29 2025

Manual Integrations APPROVED (compounds with "m" flag)
Rebecca Krug
10/20/25 21:13

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97104.d
Signal(s) : FID1A.ch
Acq On : 18 Oct 2025 10:15 pm
Operator : rebeccak
Sample : op68257-bsd
Misc : op68257,g3y3747,51.5,,,2,1
ALS Vial : 21 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:58:13 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
6) S o-TERPHENYL	3.908	139827658	3.101	PPM	m
Spiked Amount 50.000		Recovery = 6.20%			
7) S 5a-ANDROSTANE	4.112	118384791	2.985	PPM	m
Spiked Amount 50.000		Recovery = 5.97%			
Target Compounds					
1) H TPH-DRO	3.600	1919025311	55.786	PPM	

(f)=RT Delta > 1/2 Window (m)=manual int.

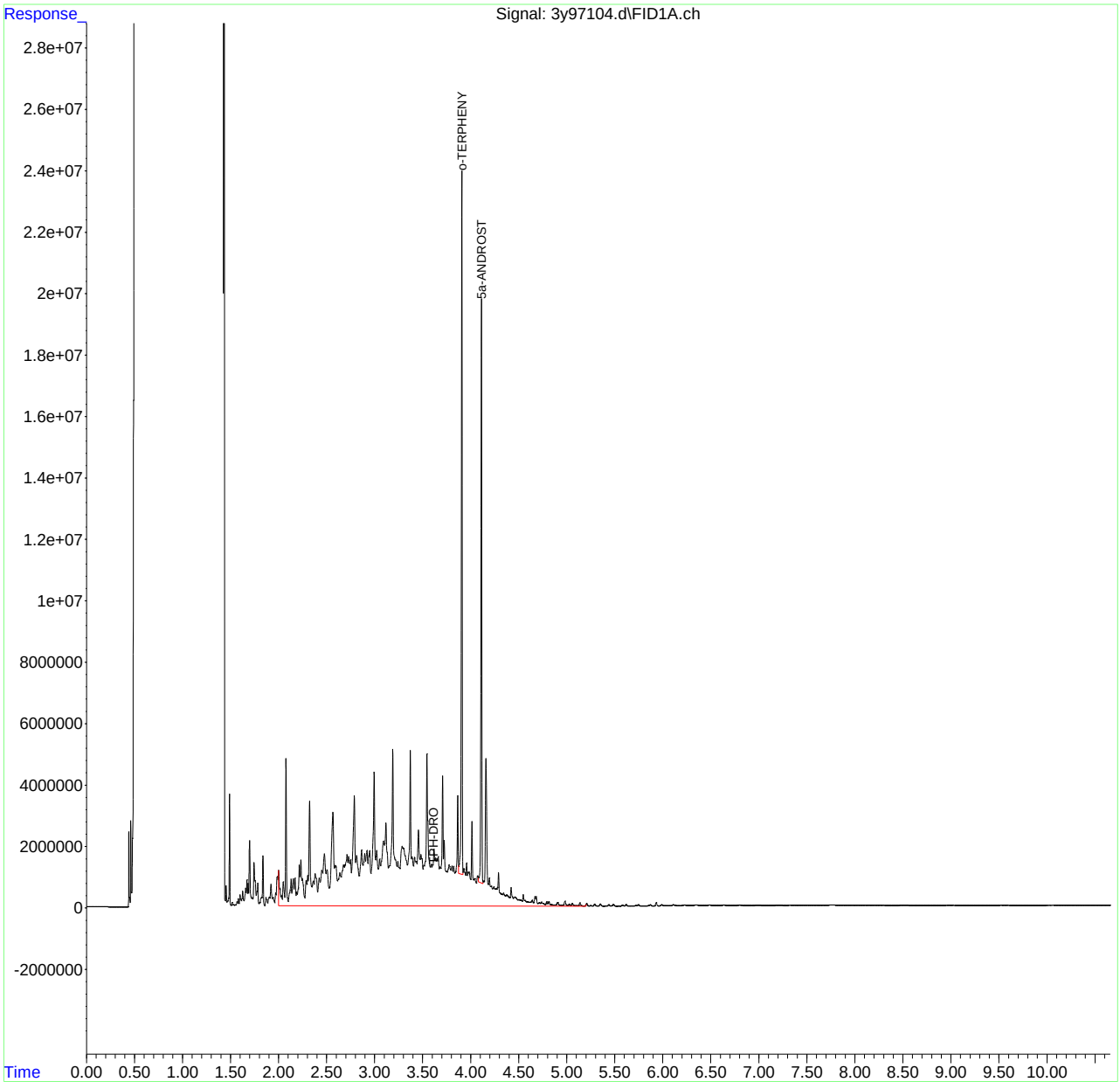
11.3.2 11

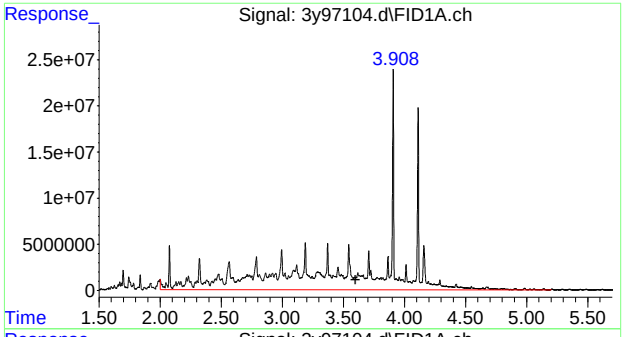
Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97104.d
Signal(s) : FID1A.ch
Acq On : 18 Oct 2025 10:15 pm
Operator : rebeccak
Sample : op68257-bsd
Misc : op68257,g3y3747,51.5,,,2,1
ALS Vial : 21 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:58:13 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

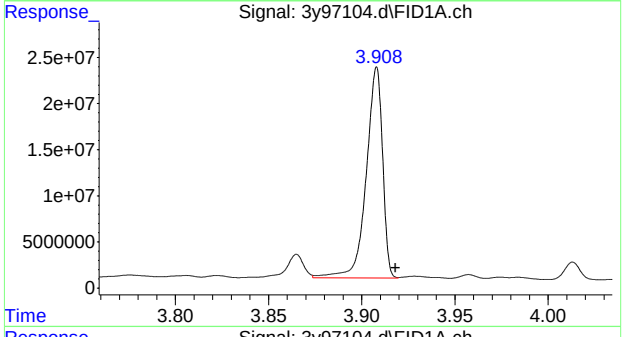
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





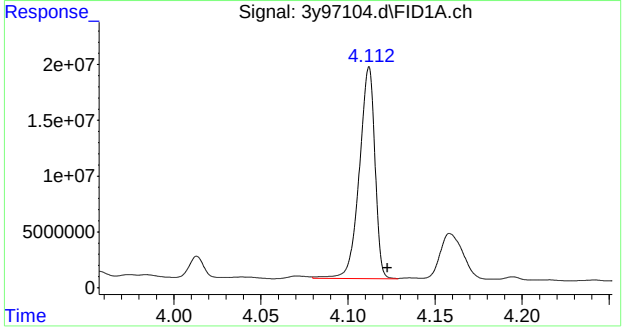
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 1919025311
Conc: 55.79 PPM



#6 o-TERPHENYL

R.T.: 3.908 min
Delta R.T.: -0.010 min
Response: 139827658
Conc: 3.10 PPM m



#7 5a-ANDROSTANE

R.T.: 4.112 min
Delta R.T.: -0.011 min
Response: 118384791
Conc: 2.99 PPM m

Manual Integration Approval Summary

Sample Number: OP68257-BSD
Lab FileID: 3Y97104.D
Injection Time: 10/18/25 22:15
Method: SW846 8015D
Analyst approved: 10/20/25 15:31 Maria Benavides
Supervisor approved: 10/20/25 21:13 Rebecca Krug

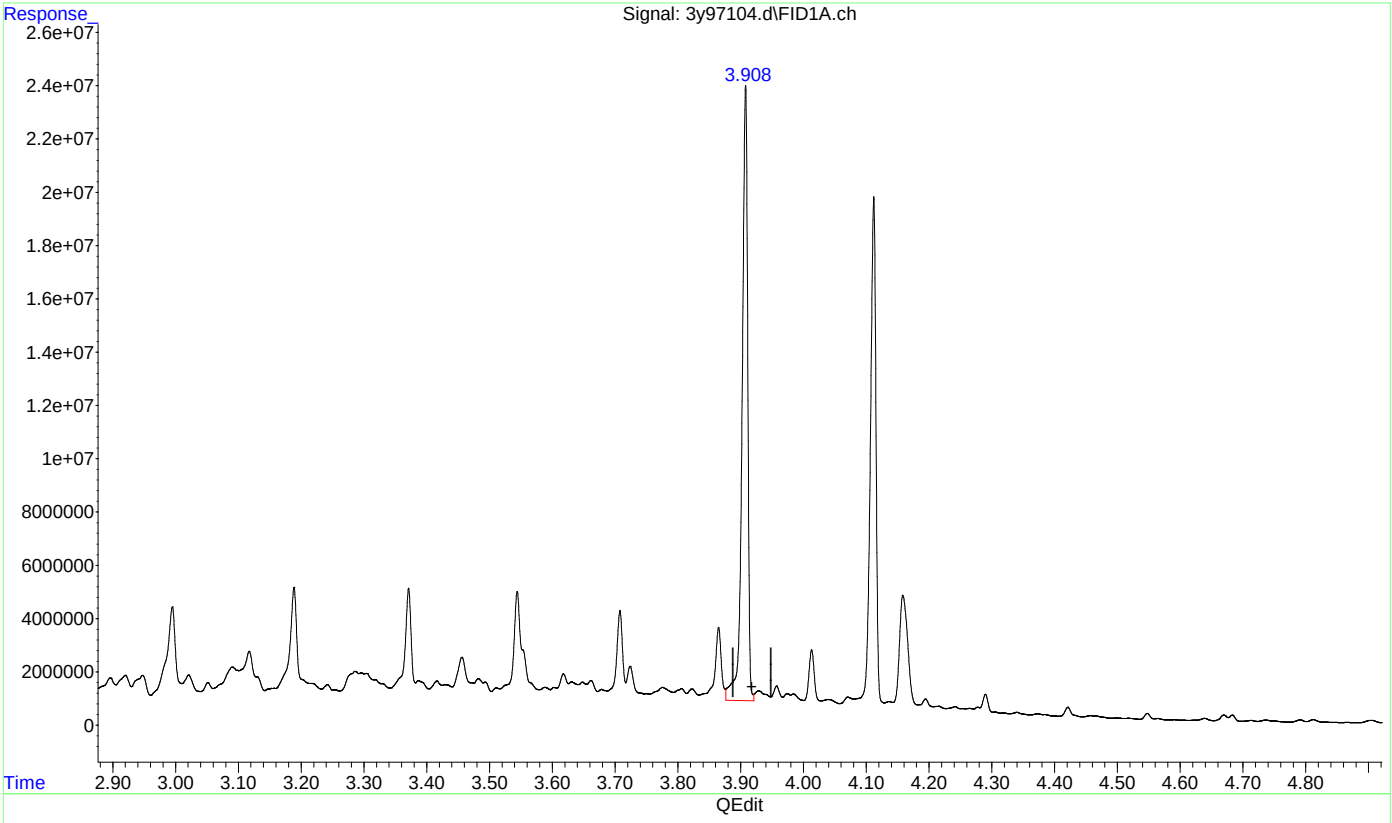
Parameter	CAS	Sig#	R.T. (min.)	Reason
o-Terphenyl	84-15-1	1	3.91	Poorly defined baseline
5a-Androstane	438-22-2	1	4.11	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97104.d
Signal(s) : FID1A.ch
Acq On : 18 Oct 2025 10:15 pm
Operator : rebeccak
Sample : op68257-bsd
Misc : op68257,g3y3747,51.5,,,2,1
ALS Vial : 21 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:05:10 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.908min 3.203 PPM

response 144424678

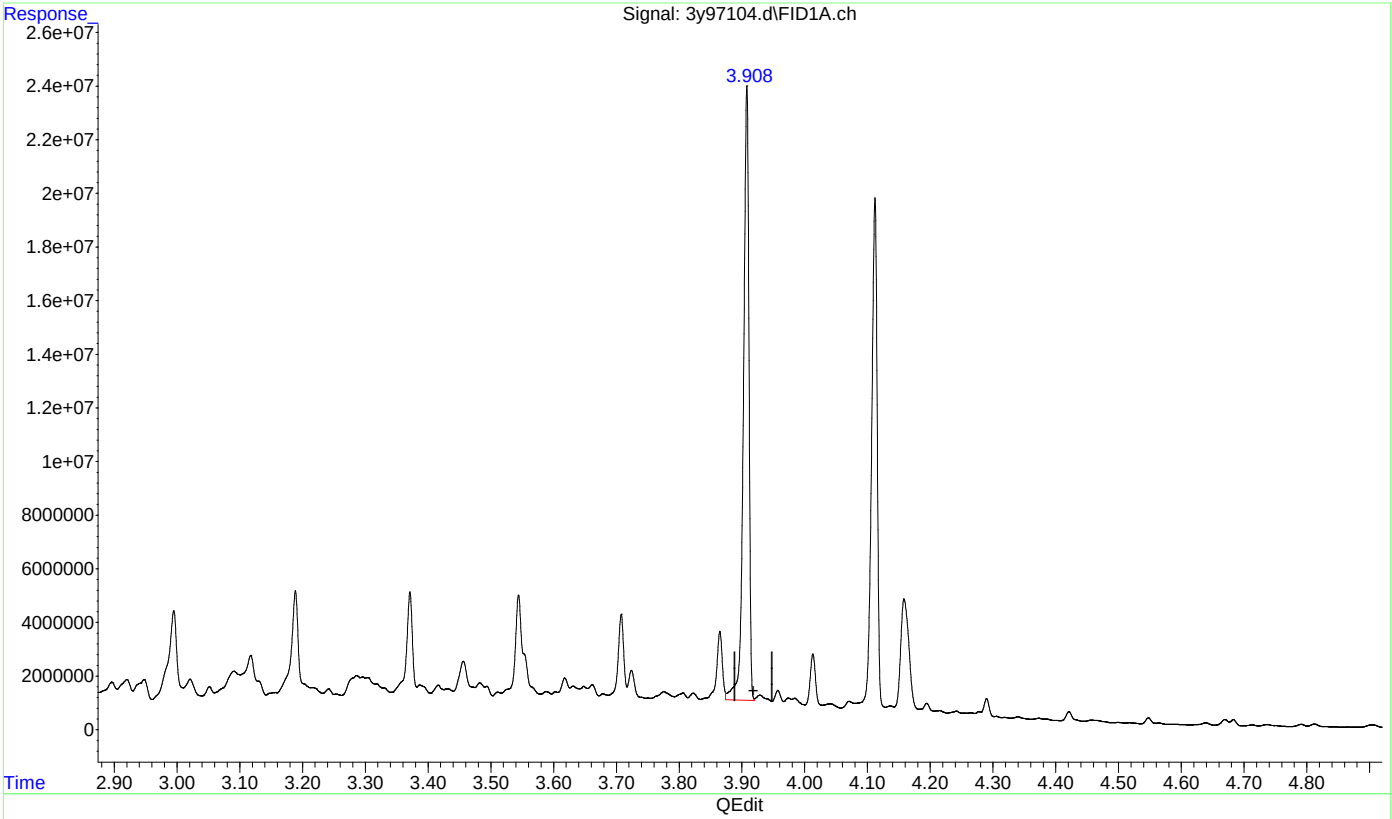
(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 16:57:26 2025

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97104.d
Signal(s) : FID1A.ch
Acq On : 18 Oct 2025 10:15 pm
Operator : rebeccak
Sample : op68257-bsd
Misc : op68257,g3y3747,51.5,,,2,1
ALS Vial : 21 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:05:10 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.908min 3.101 PPM m

response 139827658

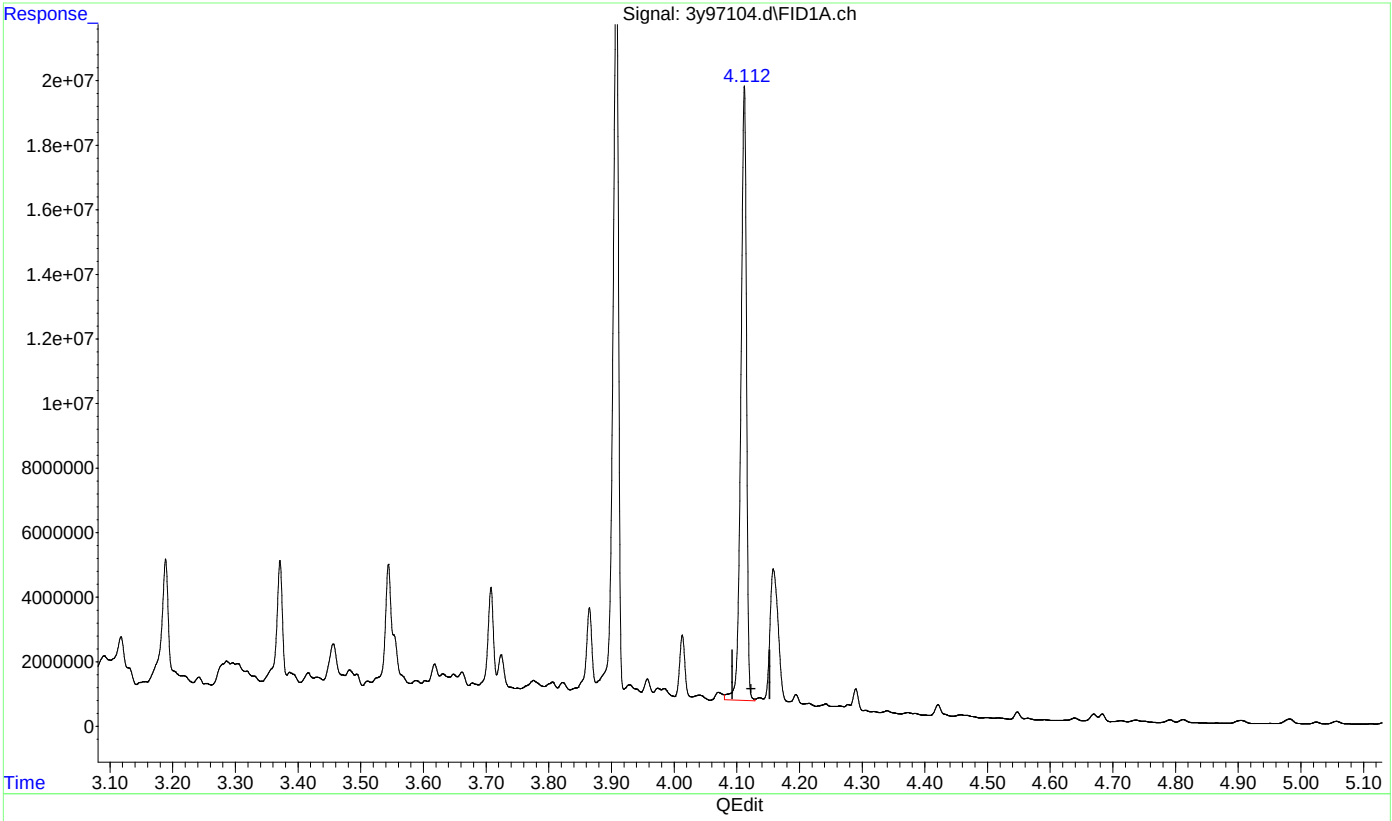
(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 16:57:42 2025

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97104.d
Signal(s) : FID1A.ch
Acq On : 18 Oct 2025 10:15 pm
Operator : rebeccak
Sample : op68257-bsd
Misc : op68257,g3y3747,51.5,,,2,1
ALS Vial : 21 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:05:10 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.112min 2.996 PPM

response 118814701

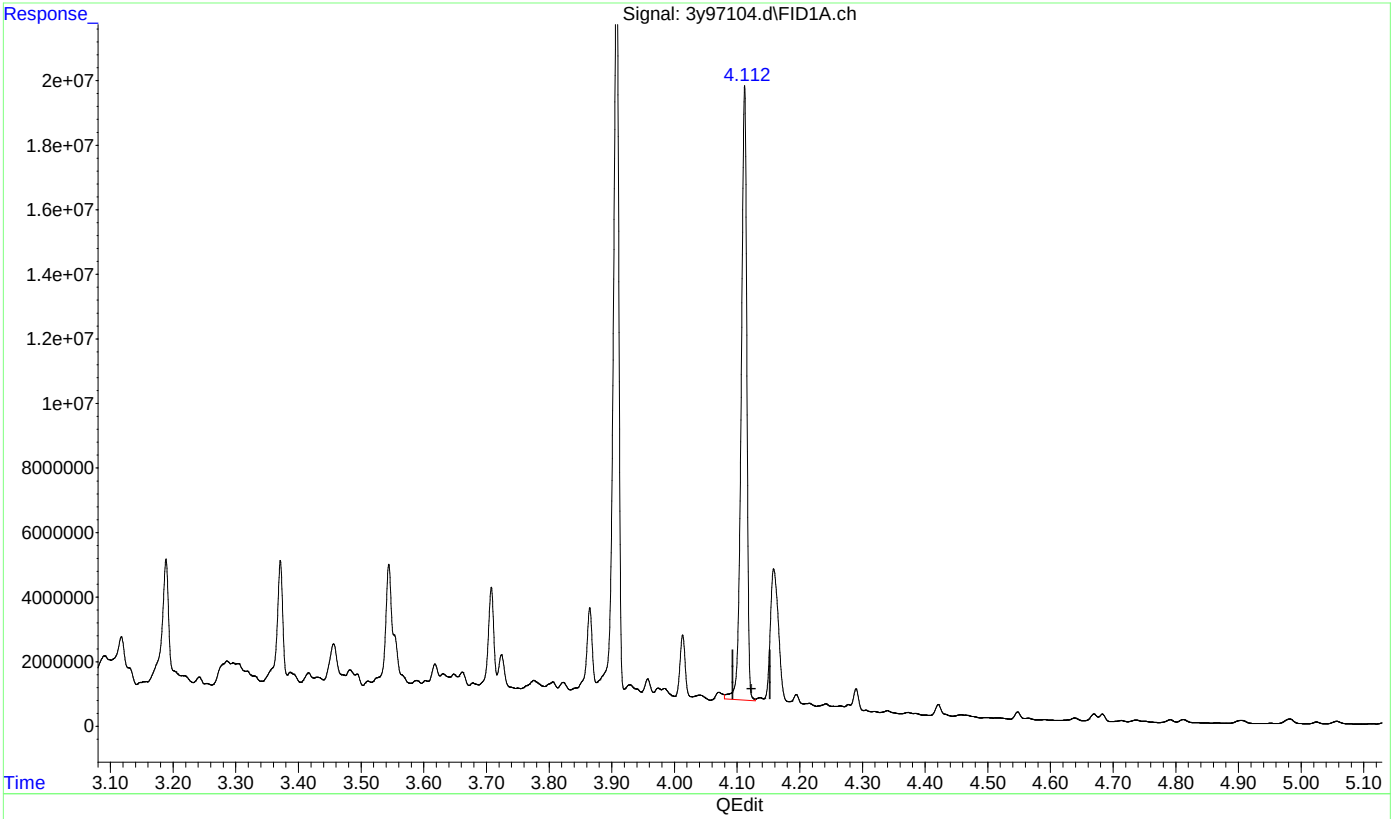
(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 16:57:45 2025

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97104.d
Signal(s) : FID1A.ch
Acq On : 18 Oct 2025 10:15 pm
Operator : rebeccak
Sample : op68257-bsd
Misc : op68257,g3y3747,51.5,,,2,1
ALS Vial : 21 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:05:10 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.112min 2.985 PPM m

response 118384791

(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 16:58:16 2025

Manual Integrations APPROVED (compounds with "m" flag)
Rebecca Krug
10/20/25 21:13

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97116.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 2:10 am
Operator : rebeccak
Sample : op68257-bs2
Misc : op68257,g3y3747,51.2,,,2,1
ALS Vial : 30 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 17:17:30 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
6) S o-TERPHENYL	3.907	141138773	3.130	PPM	m
Spiked Amount 50.000		Recovery =	6.26%		
7) S 5a-ANDROSTANE	4.111	117239355	2.956	PPM	m
Spiked Amount 50.000		Recovery =	5.91%		
Target Compounds					
1) H TPH-DRO	3.600	1975521864	57.428	PPM	

(f)=RT Delta > 1/2 Window (m)=manual int.

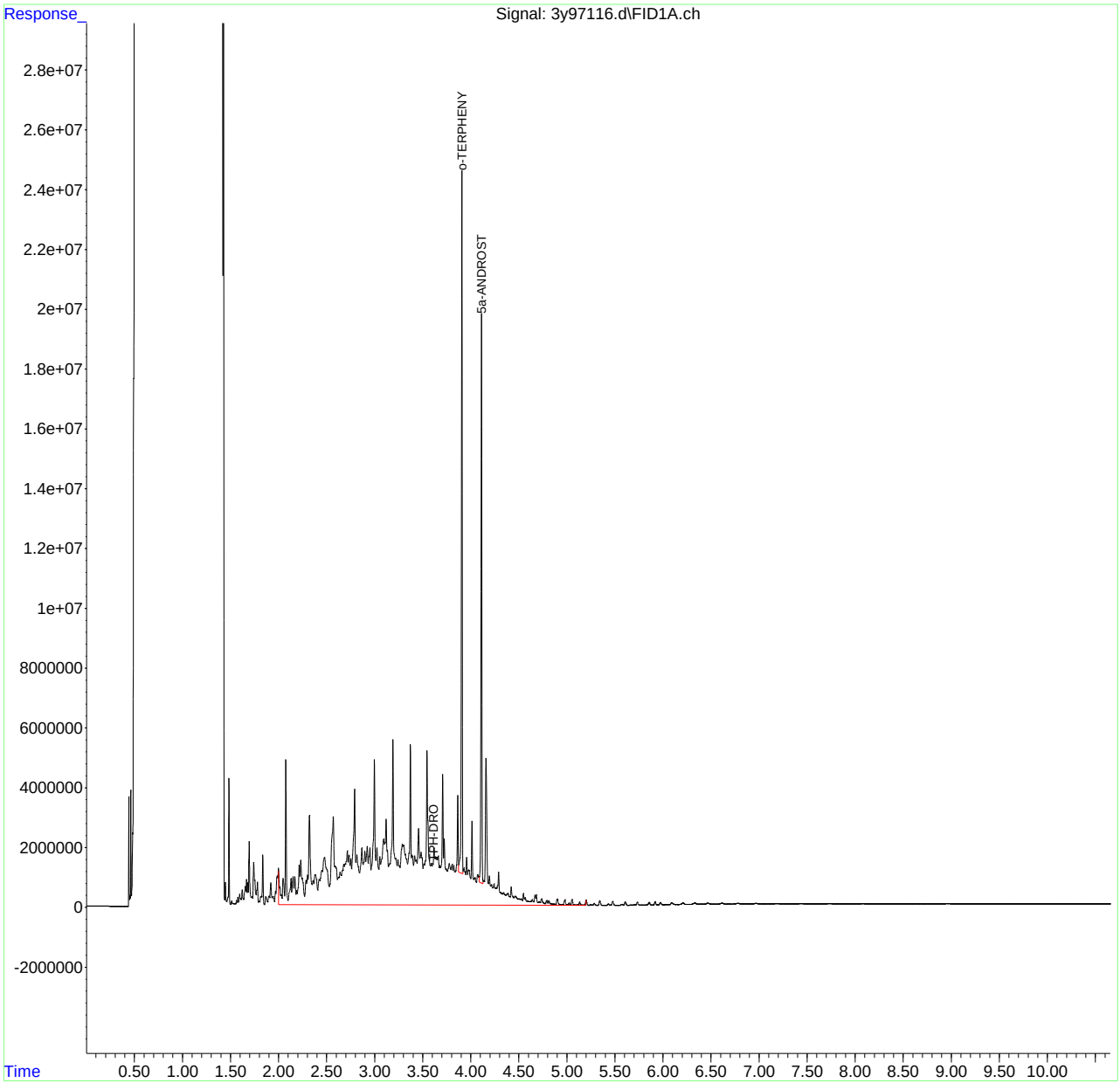
11.3.3 11

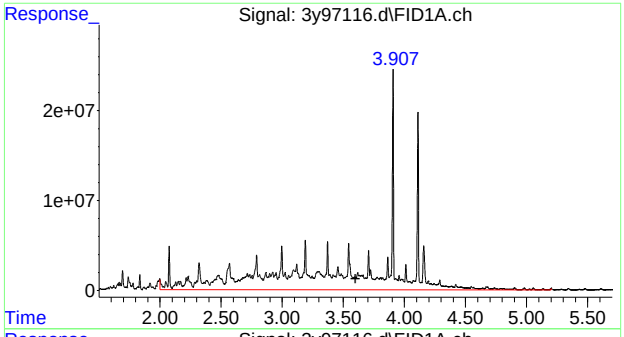
Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97116.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 2:10 am
Operator : rebeccak
Sample : op68257-bs2
Misc : op68257,g3y3747,51.2,,,2,1
ALS Vial : 30 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 17:17:30 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

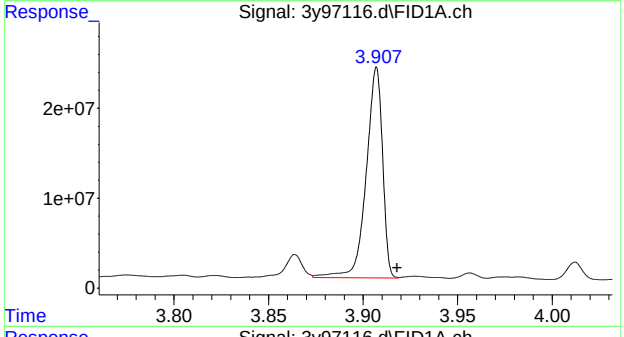
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





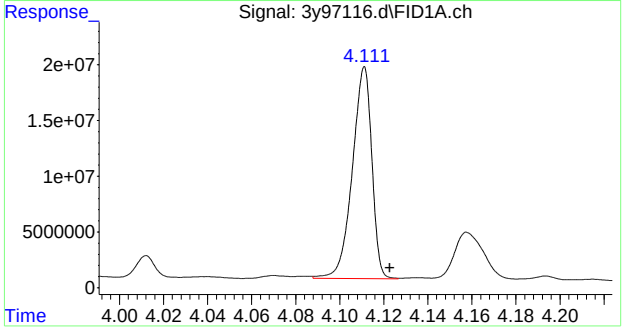
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 1975521864
Conc: 57.43 PPM



#6 o-TERPHENYL

R.T.: 3.907 min
Delta R.T.: -0.011 min
Response: 141138773
Conc: 3.13 PPM m



#7 5a-ANDROSTANE

R.T.: 4.111 min
Delta R.T.: -0.012 min
Response: 117239355
Conc: 2.96 PPM m

Manual Integration Approval Summary

Sample Number: OP68257-BS2
Lab FileID: 3Y97116.D
Injection Time: 10/19/25 02:10
Method: SW846 8015D
Analyst approved: 10/20/25 15:31 Maria Benavides
Supervisor approved: 10/20/25 21:13 Rebecca Krug

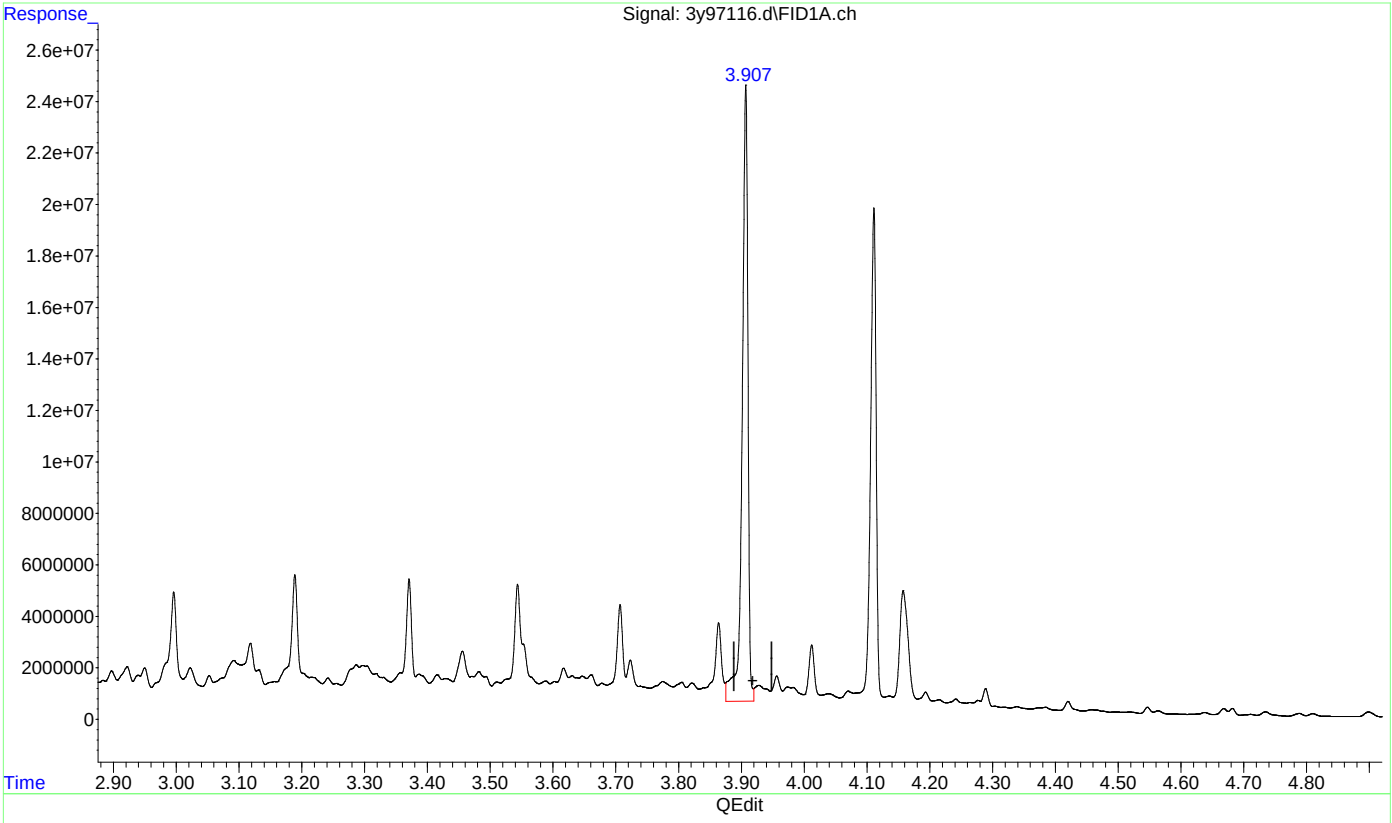
Parameter	CAS	Sig#	R.T. (min.)	Reason
o-Terphenyl	84-15-1	1	3.91	Poorly defined baseline
5a-Androstane	438-22-2	1	4.11	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97116.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 2:10 am
Operator : rebeccak
Sample : op68257-bs2
Misc : op68257,g3y3747,51.2,,,2,1
ALS Vial : 30 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:06:05 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.907min 3.395 PPM

response 153105078

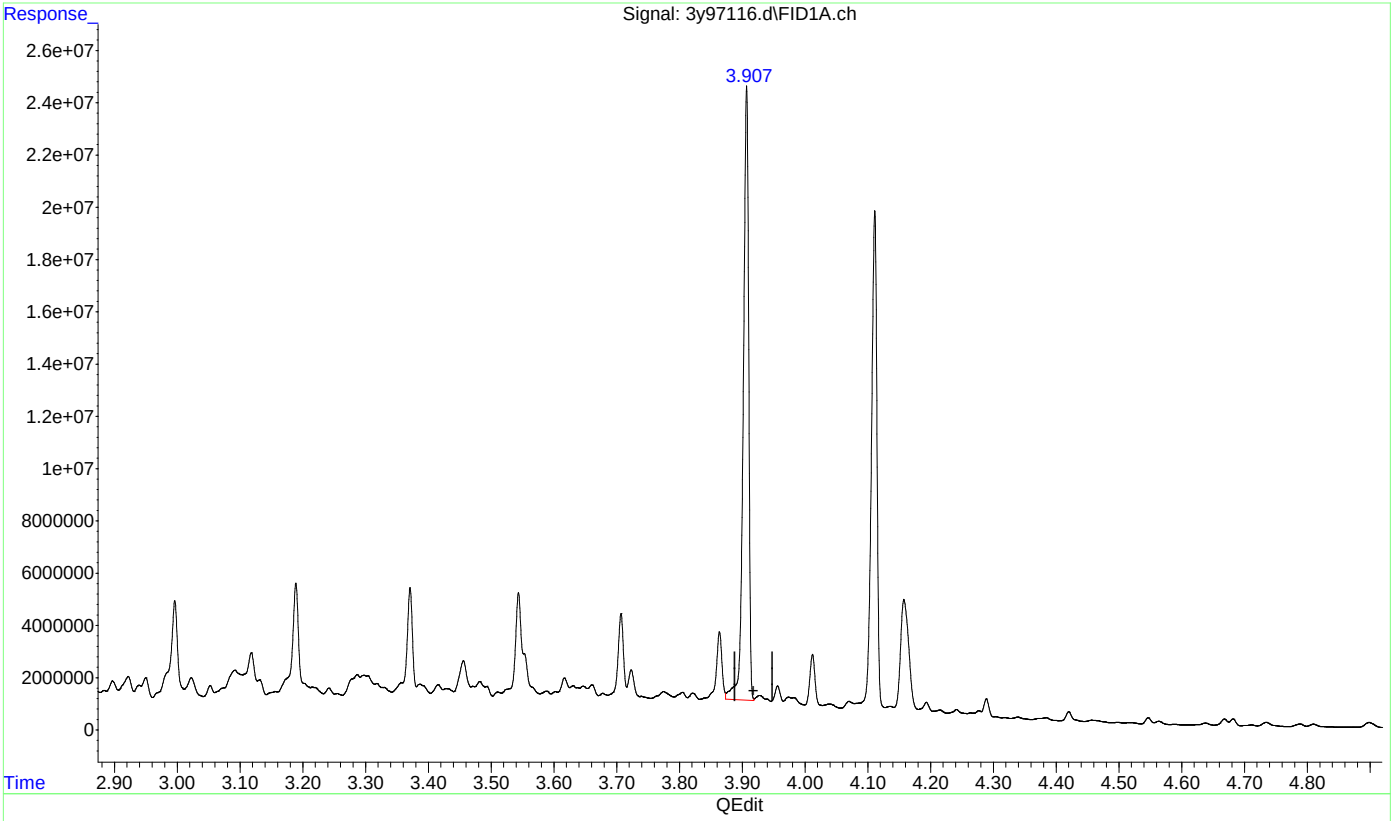
(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 17:17:00 2025

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97116.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 2:10 am
Operator : rebeccak
Sample : op68257-bs2
Misc : op68257,g3y3747,51.2,,,2,1
ALS Vial : 30 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:06:05 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.907min 3.130 PPM m

response 141138773

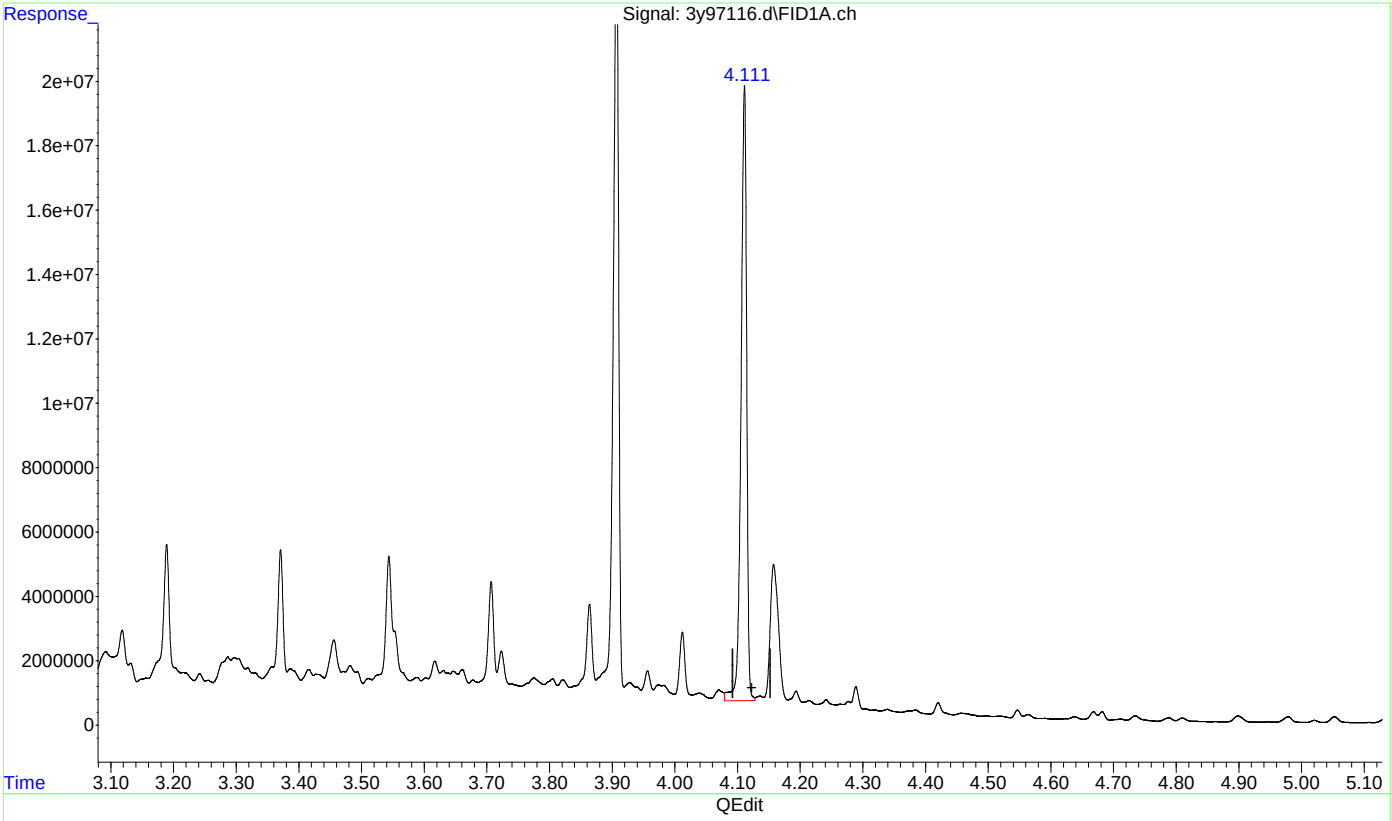
(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 17:17:13 2025

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97116.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 2:10 am
Operator : rebeccak
Sample : op68257-bs2
Misc : op68257,g3y3747,51.2,,,2,1
ALS Vial : 30 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:06:05 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.111min 3.025 PPM

response 119979602

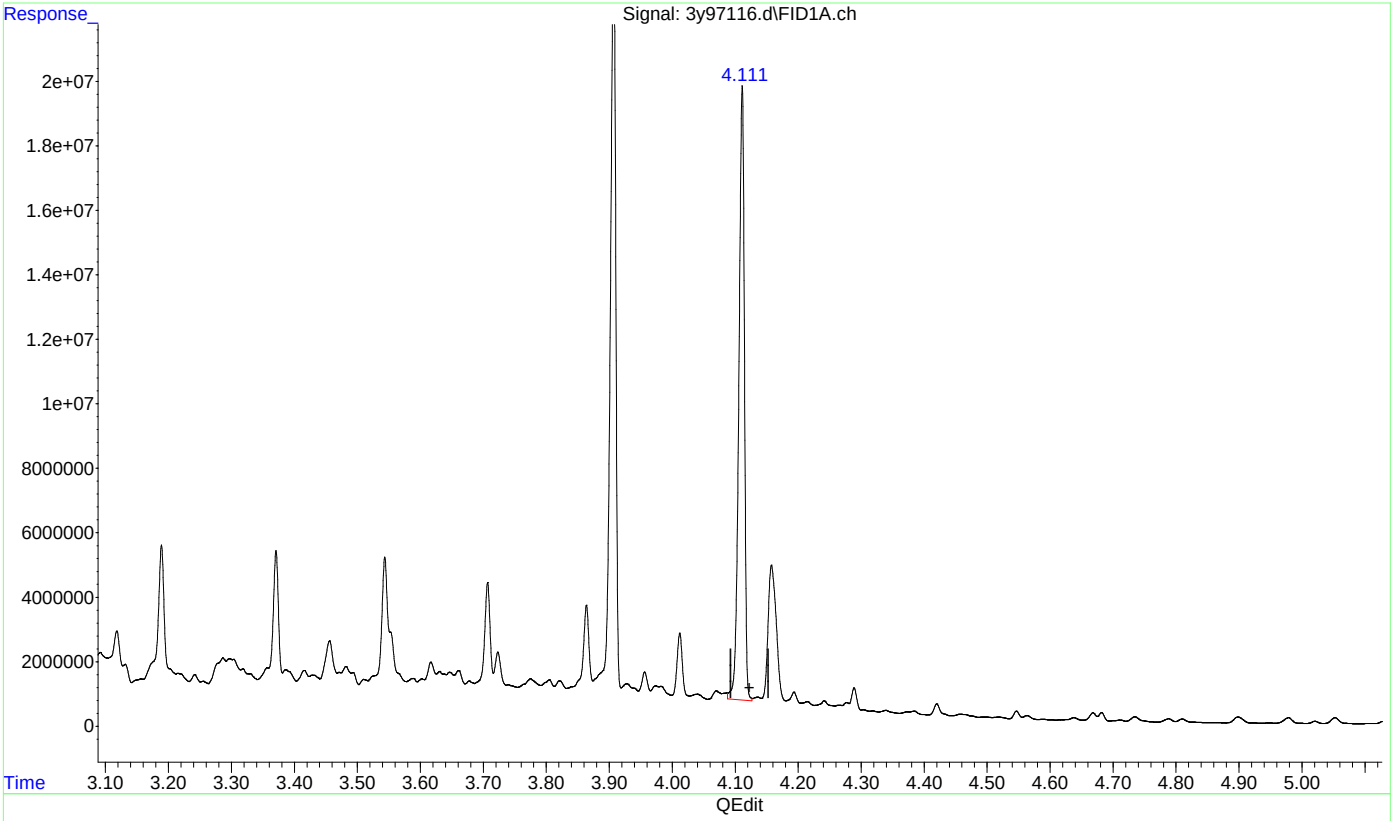
(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 17:17:17 2025

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97116.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 2:10 am
Operator : rebeccak
Sample : op68257-bs2
Misc : op68257,g3y3747,51.2,,,2,1
ALS Vial : 30 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:06:05 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.111min 2.956 PPM m

response 117239355

(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 17:17:33 2025

Manual Integrations APPROVED (compounds with "m" flag)
Rebecca Krug
10/20/25 21:13

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97117.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 2:30 am
Operator : rebeccak
Sample : op68257-bsd2
Misc : op68257,g3y3747,50.8,,,2,1
ALS Vial : 31 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 17:18:39 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
6) S o-TERPHENYL	3.906	141242188	3.132	PPM	m
Spiked Amount 50.000		Recovery = 6.26%			
7) S 5a-ANDROSTANE	4.110	120094509	3.028	PPM	m
Spiked Amount 50.000		Recovery = 6.06%			
Target Compounds					
1) H TPH-DRO	3.600	1950907121	56.713	PPM	

(f)=RT Delta > 1/2 Window (m)=manual int.

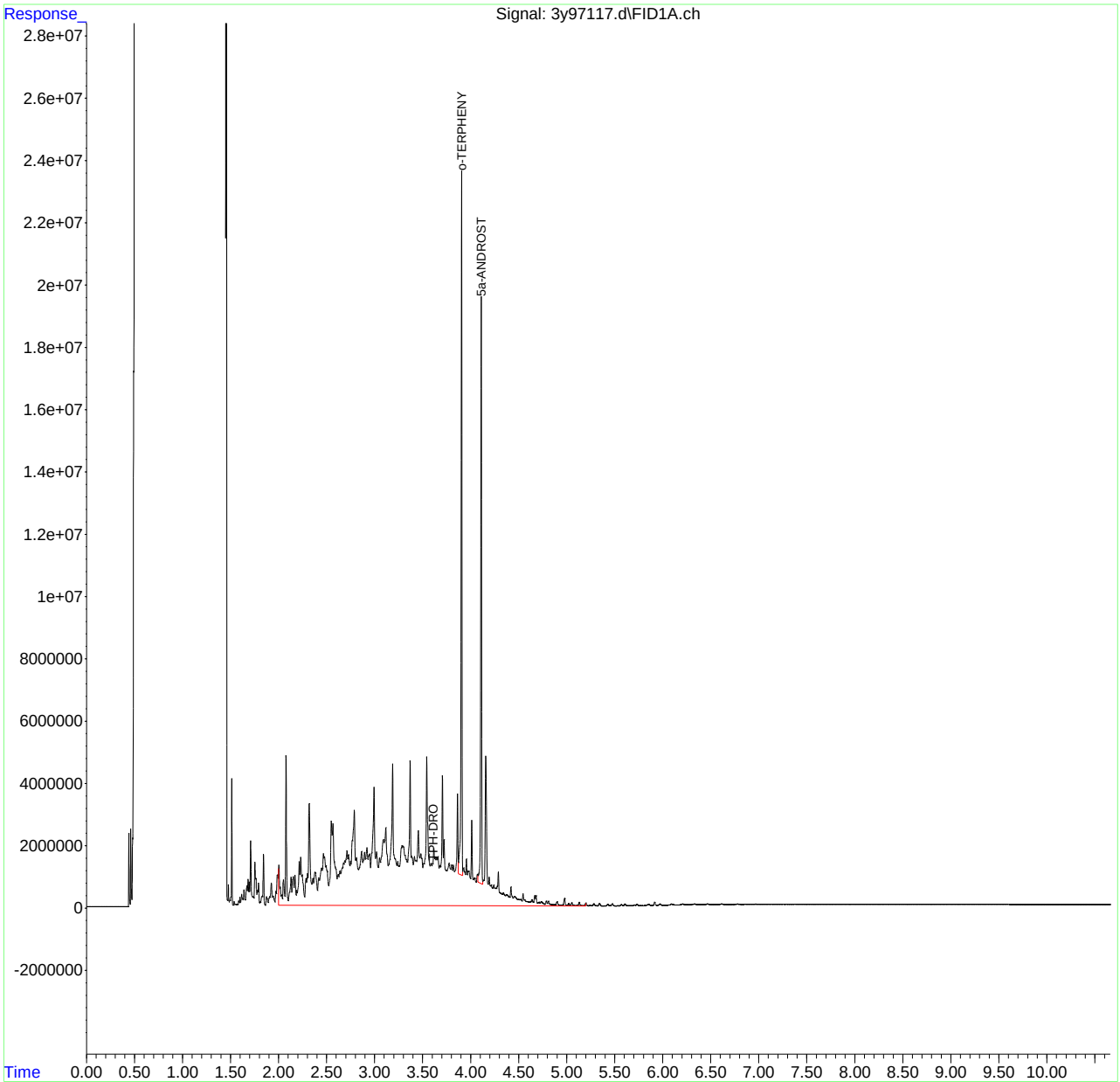
11.3.4 11

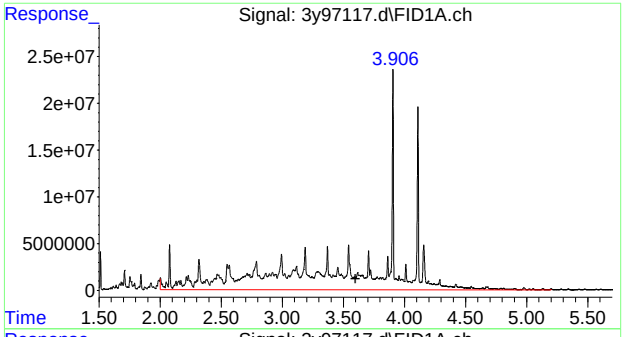
Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97117.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 2:30 am
Operator : rebeccak
Sample : op68257-bsd2
Misc : op68257,g3y3747,50.8,,,2,1
ALS Vial : 31 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 17:18:39 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

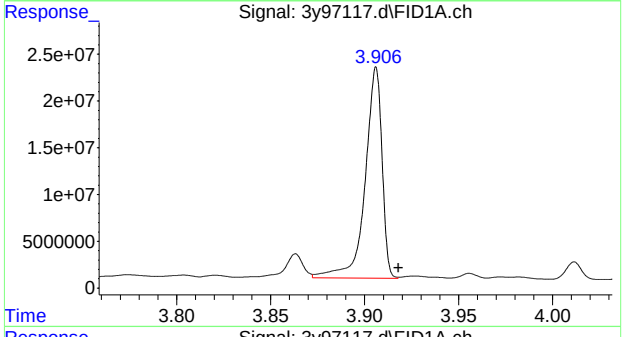
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





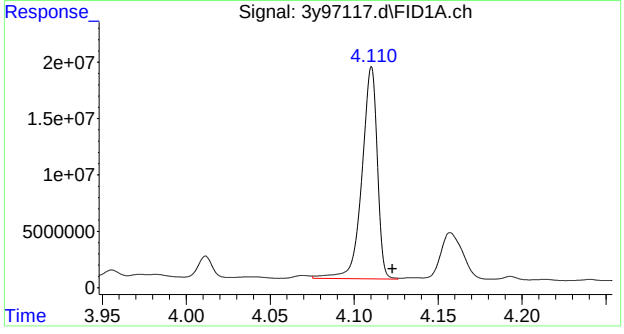
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 1950907121
Conc: 56.71 PPM



#6 o-TERPHENYL

R.T.: 3.906 min
Delta R.T.: -0.012 min
Response: 141242188
Conc: 3.13 PPM m



#7 5a-ANDROSTANE

R.T.: 4.110 min
Delta R.T.: -0.013 min
Response: 120094509
Conc: 3.03 PPM m

Manual Integration Approval Summary

Sample Number: OP68257-BSD2
Lab FileID: 3Y97117.D
Injection Time: 10/19/25 02:30
Method: SW846 8015D
Analyst approved: 10/20/25 15:31 Maria Benavides
Supervisor approved: 10/20/25 21:13 Rebecca Krug

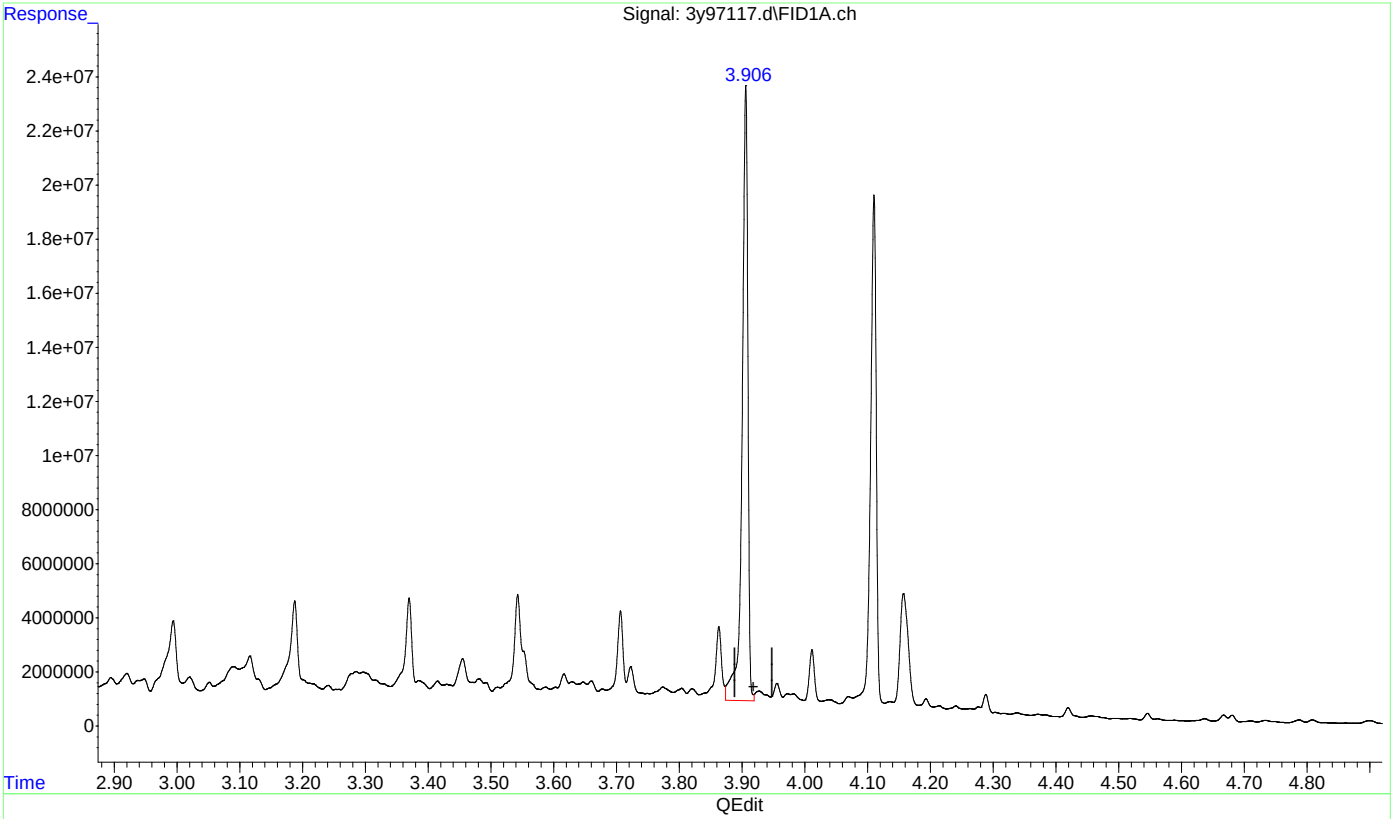
Parameter	CAS	Sig#	R.T. (min.)	Reason
o-Terphenyl	84-15-1	1	3.91	Poorly defined baseline
5a-Androstane	438-22-2	1	4.11	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97117.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 2:30 am
Operator : rebeccak
Sample : op68257-bsd2
Misc : op68257,g3y3747,50.8,,,2,1
ALS Vial : 31 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:06:10 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.906min 3.209 PPM

response 144718298

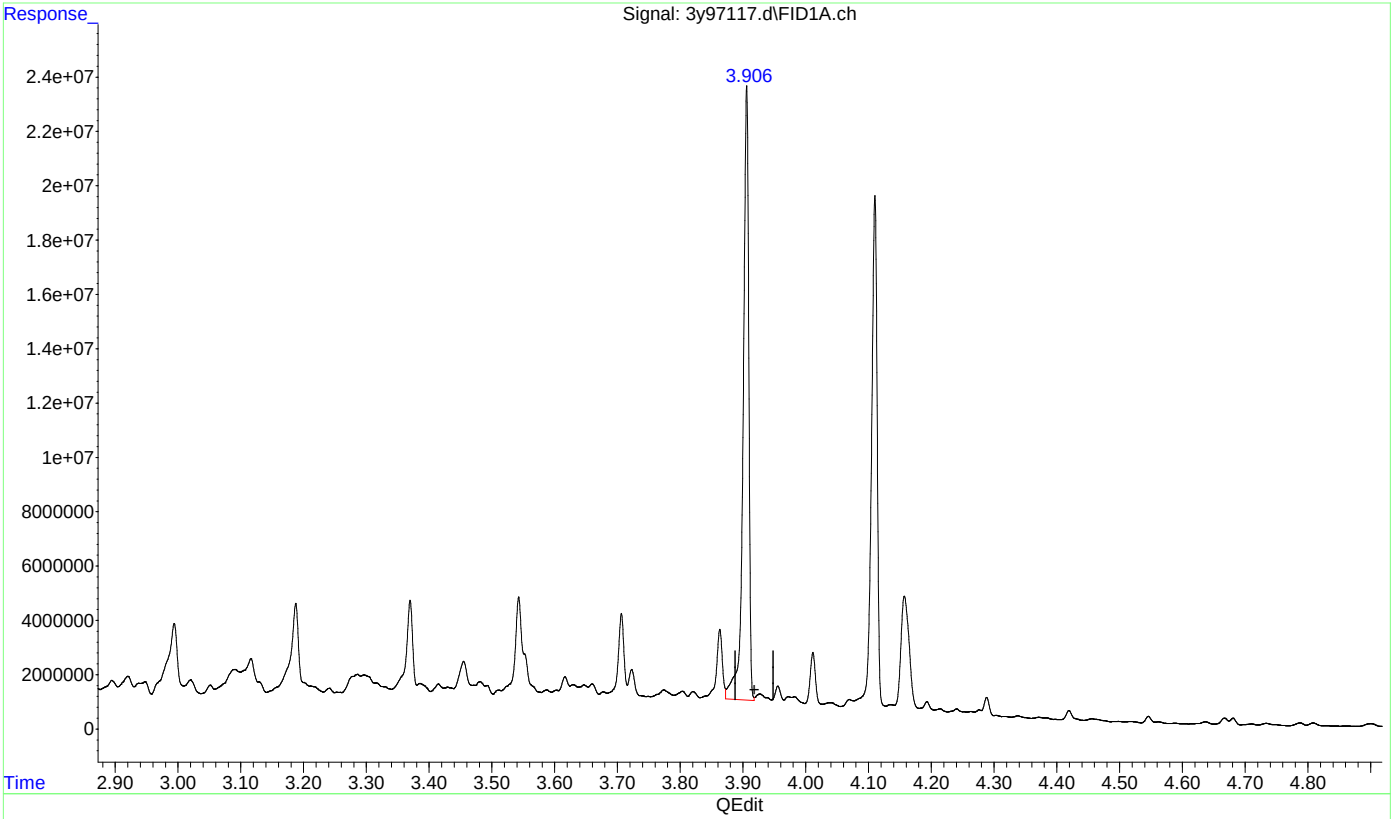
(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 17:18:02 2025

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97117.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 2:30 am
Operator : rebeccak
Sample : op68257-bsd2
Misc : op68257,g3y3747,50.8,,,2,1
ALS Vial : 31 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:06:10 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.906min 3.132 PPM m

response 141242188

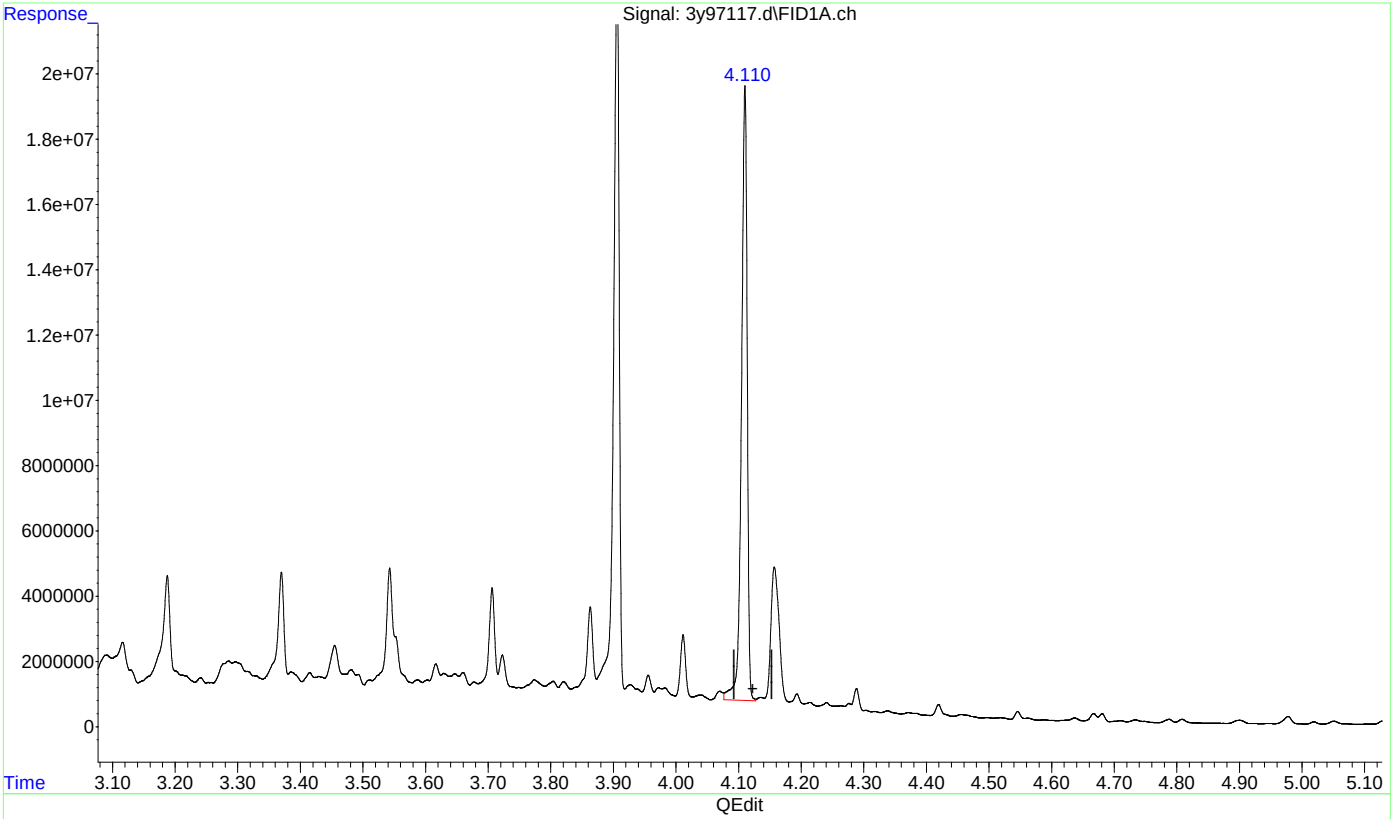
(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 17:18:22 2025

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97117.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 2:30 am
Operator : rebeccak
Sample : op68257-bsd2
Misc : op68257,g3y3747,50.8,,,2,1
ALS Vial : 31 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:06:10 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.110min 3.013 PPM

response 119493137

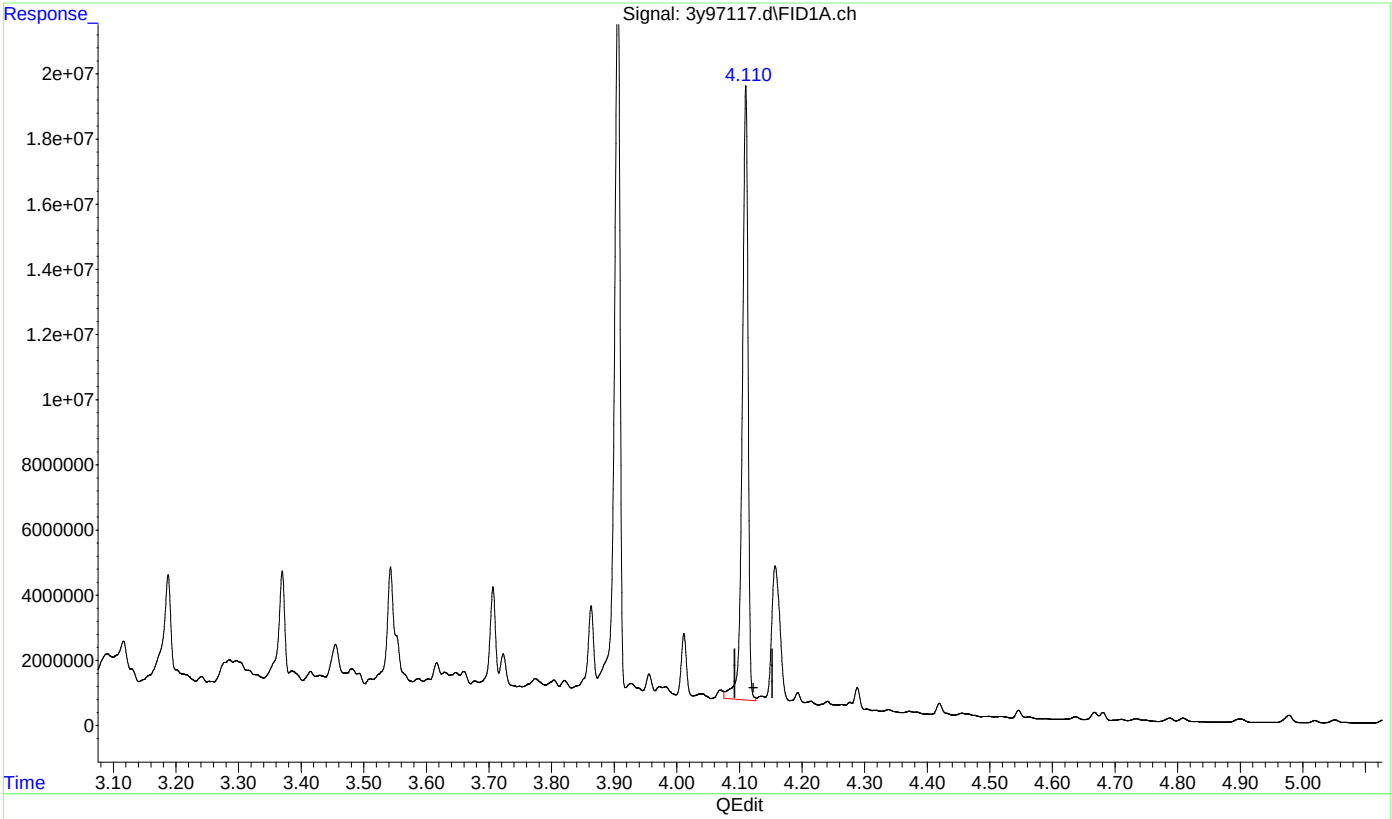
(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 17:18:26 2025

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97117.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 2:30 am
Operator : rebeccak
Sample : op68257-bsd2
Misc : op68257,g3y3747,50.8,,,2,1
ALS Vial : 31 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:06:10 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.110min 3.028 PPM m

response 120094509

(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 17:18:42 2025

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97022.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 9:41 am
Operator : claudiab
Sample : ic3745-2
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 132 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:04:32 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
Target Compounds			
1) H TPH-DRO	3.600	69196013	0.668 PPM

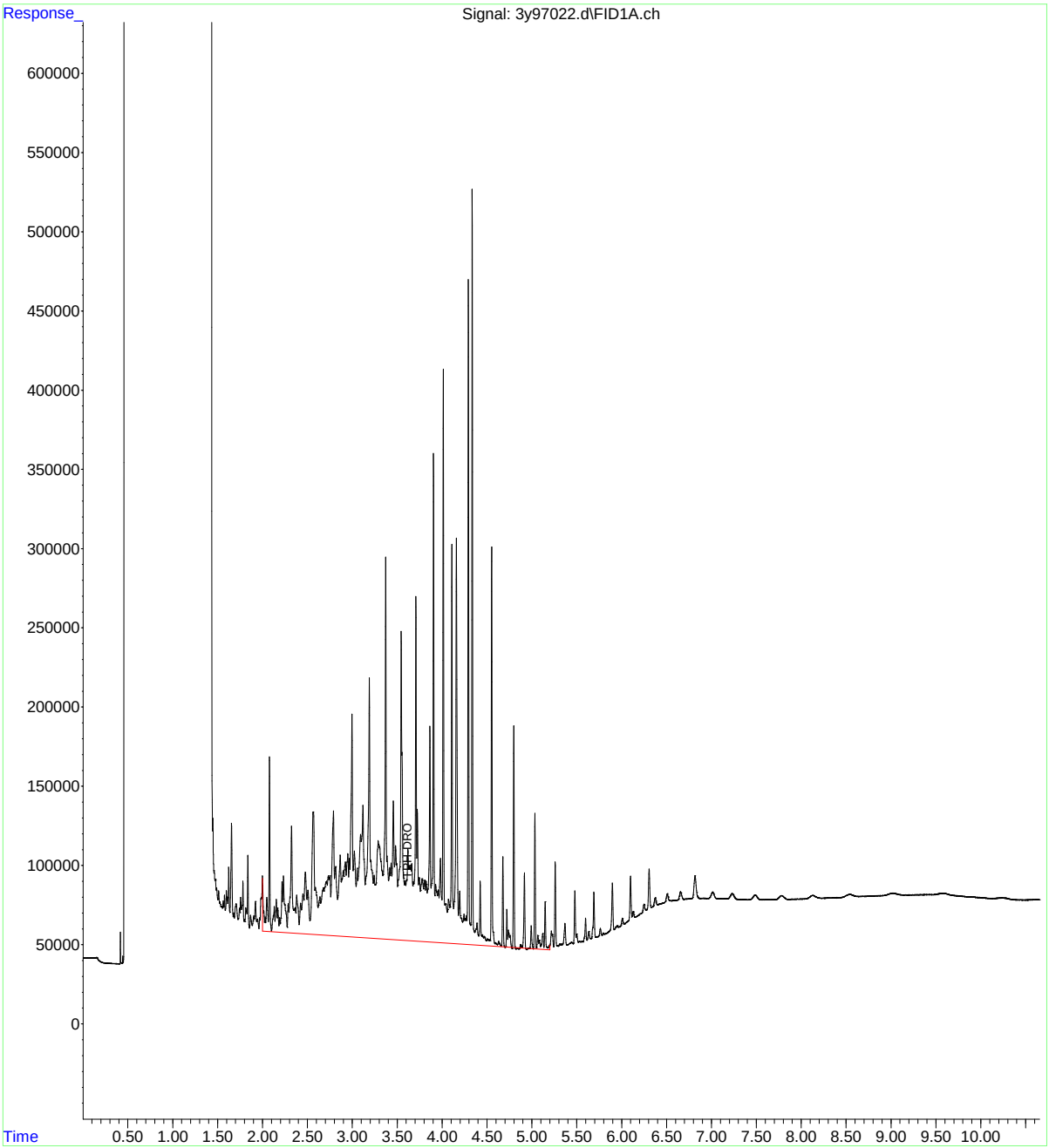
(f)=RT Delta > 1/2 Window (m)=manual int.

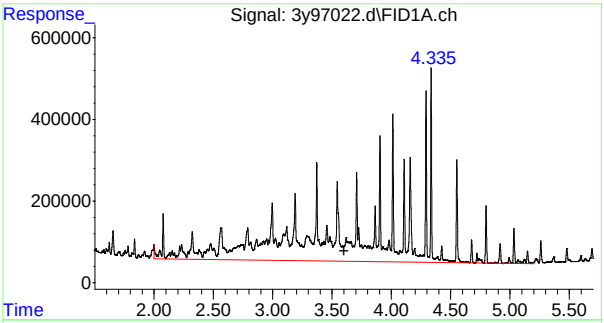
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97022.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 9:41 am
Operator : claudiab
Sample : ic3745-2
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 132 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:04:32 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

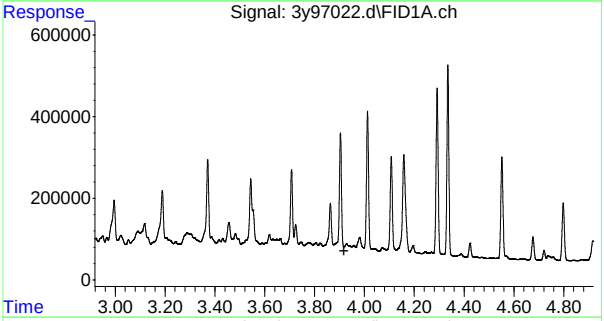
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





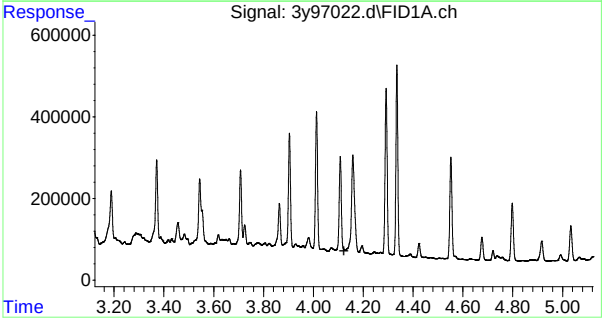
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 69196013
Conc: 0.67 PPM



#6 o-TERPHENYL

R.T.: 0.000 min
Exp R.T. : 3.918 min
Response: 0
Conc: N.D.



#7 5a-ANDROSTANE

R.T.: 0.000 min
Exp R.T. : 4.123 min
Response: 0
Conc: N.D.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97023.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 10:01 am
Operator : claudiab
Sample : ic3745-4
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 133 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:04:15 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

	Compound	R.T.	Response	Conc Units
System Monitoring Compounds				
6) S	o-TERPHENYL	3.904	3236715	0.046 PPM
Spiked Amount	50.000		Recovery =	0.09%
7) S	5a-ANDROSTANE	4.108	2815059	0.044 PPM
Spiked Amount	50.000		Recovery =	0.09%
Target Compounds				
1) H	TPH-DRO	3.600	133156978	1.960 PPM

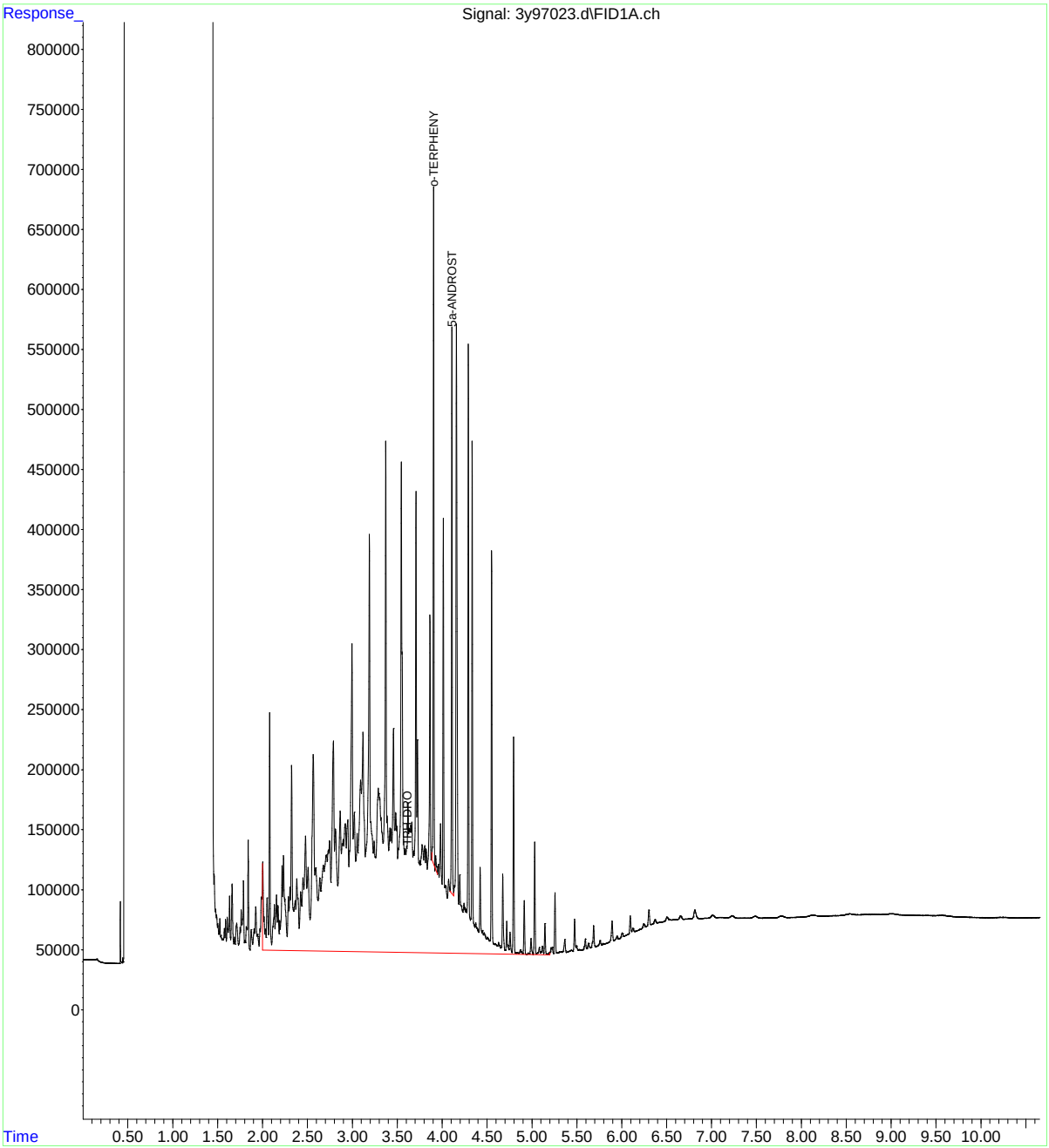
(f)=RT Delta > 1/2 Window (m)=manual int.

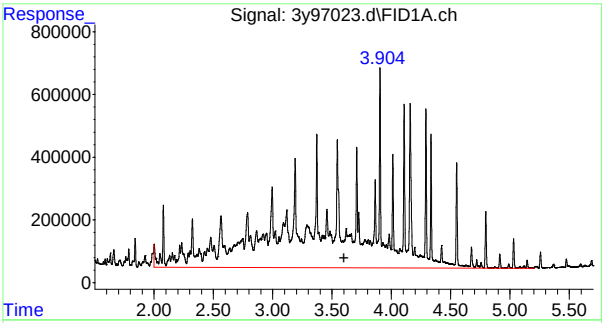
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97023.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 10:01 am
Operator : claudiab
Sample : ic3745-4
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 133 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:04:15 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

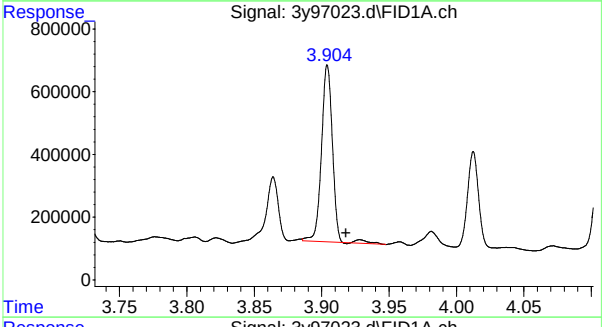
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





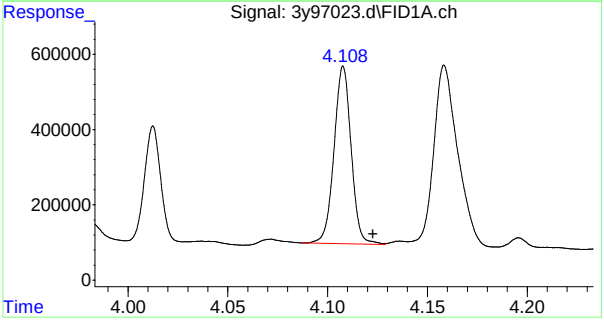
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 133156978
Conc: 1.96 PPM



#6 o-TERPHENYL

R.T.: 3.904 min
Delta R.T.: -0.013 min
Response: 3236715
Conc: 0.05 PPM



#7 5a-ANDROSTANE

R.T.: 4.108 min
Delta R.T.: -0.015 min
Response: 2815059
Conc: 0.04 PPM

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97024.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 10:20 am
Operator : claudiab
Sample : ic3745-10
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 134 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:03:59 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
6) S o-TERPHENYL	3.904	9199901	0.130 PPM
Spiked Amount 50.000		Recovery =	0.26%
7) S 5a-ANDROSTANE	4.107f	8190109	0.127 PPM
Spiked Amount 50.000		Recovery =	0.25%
Target Compounds			
1) H TPH-DRO	3.600	327407314	5.888 PPM

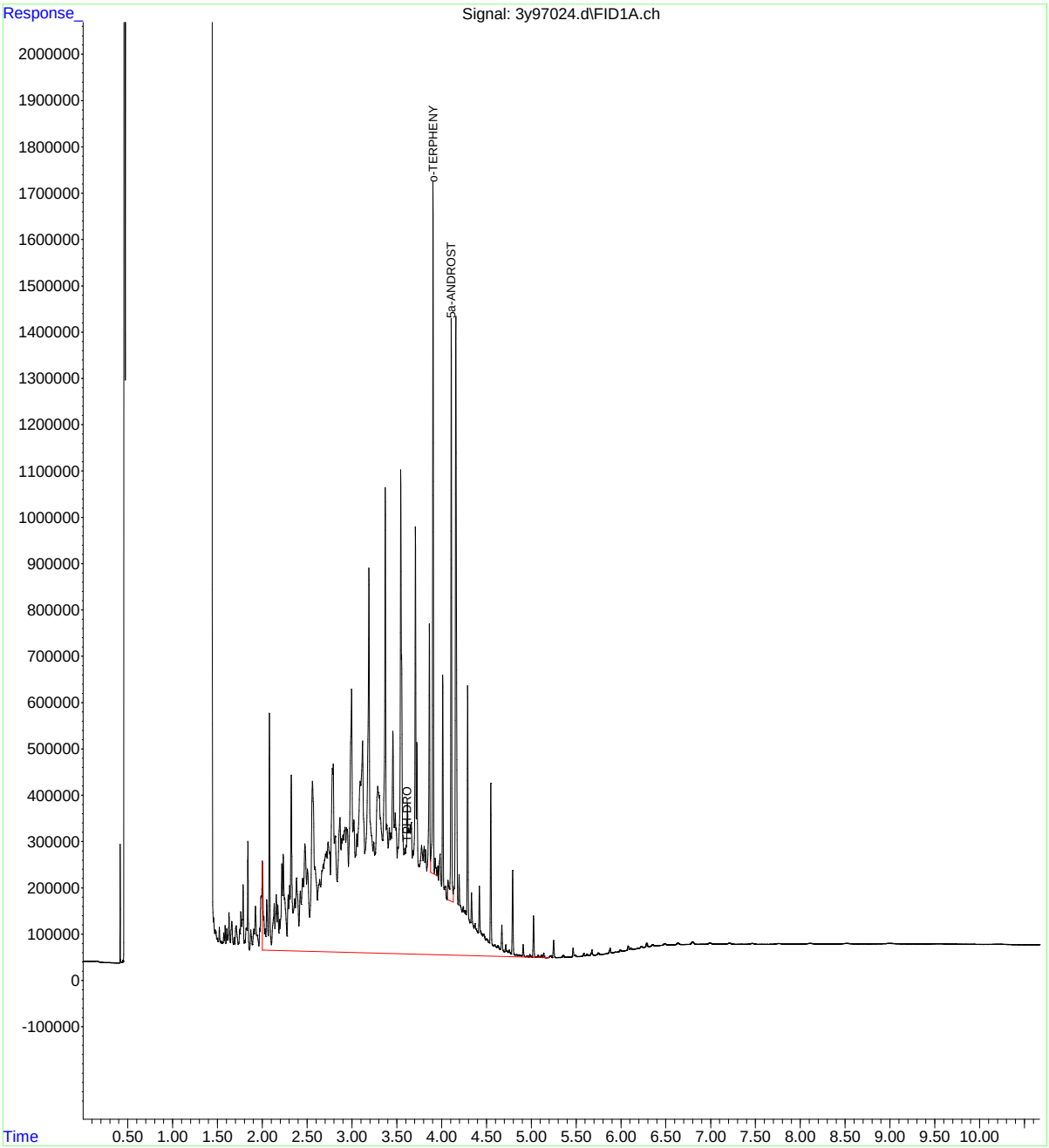
(f)=RT Delta > 1/2 Window (m)=manual int.

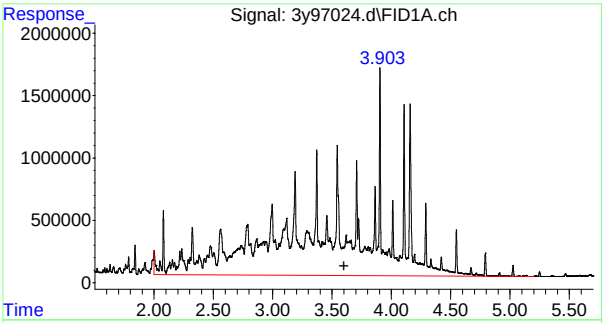
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97024.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 10:20 am
Operator : claudiab
Sample : ic3745-10
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 134 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:03:59 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

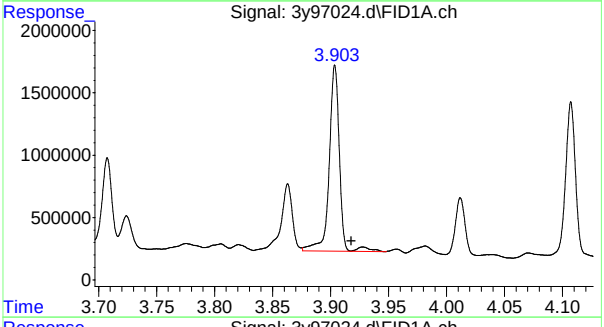
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





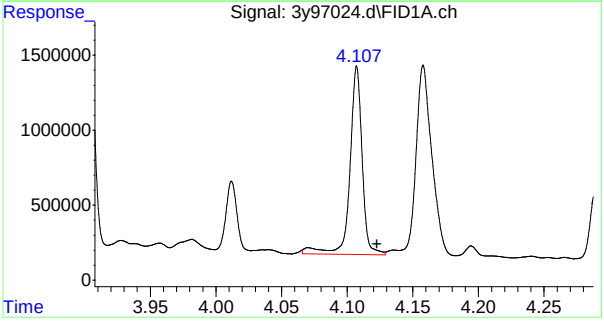
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 327407314
Conc: 5.89 PPM



#6 o-TERPHENYL

R.T.: 3.904 min
Delta R.T.: -0.014 min
Response: 9199901
Conc: 0.13 PPM



#7 5a-ANDROSTANE

R.T.: 4.107 min
Delta R.T.: -0.015 min
Response: 8190109
Conc: 0.13 PPM

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97025.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 10:40 am
Operator : claudiab
Sample : ic3745-20
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 135 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:00:31 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
6) S	o-TERPHENYL	3.906	17405115	0.246 PPM
Spiked Amount	50.000		Recovery =	0.49%
7) S	5a-ANDROSTANE	4.109	14649715	0.227 PPM
Spiked Amount	50.000		Recovery =	0.45%
	Target Compounds			
1) H	TPH-DRO	3.600	652639623	12.465 PPM

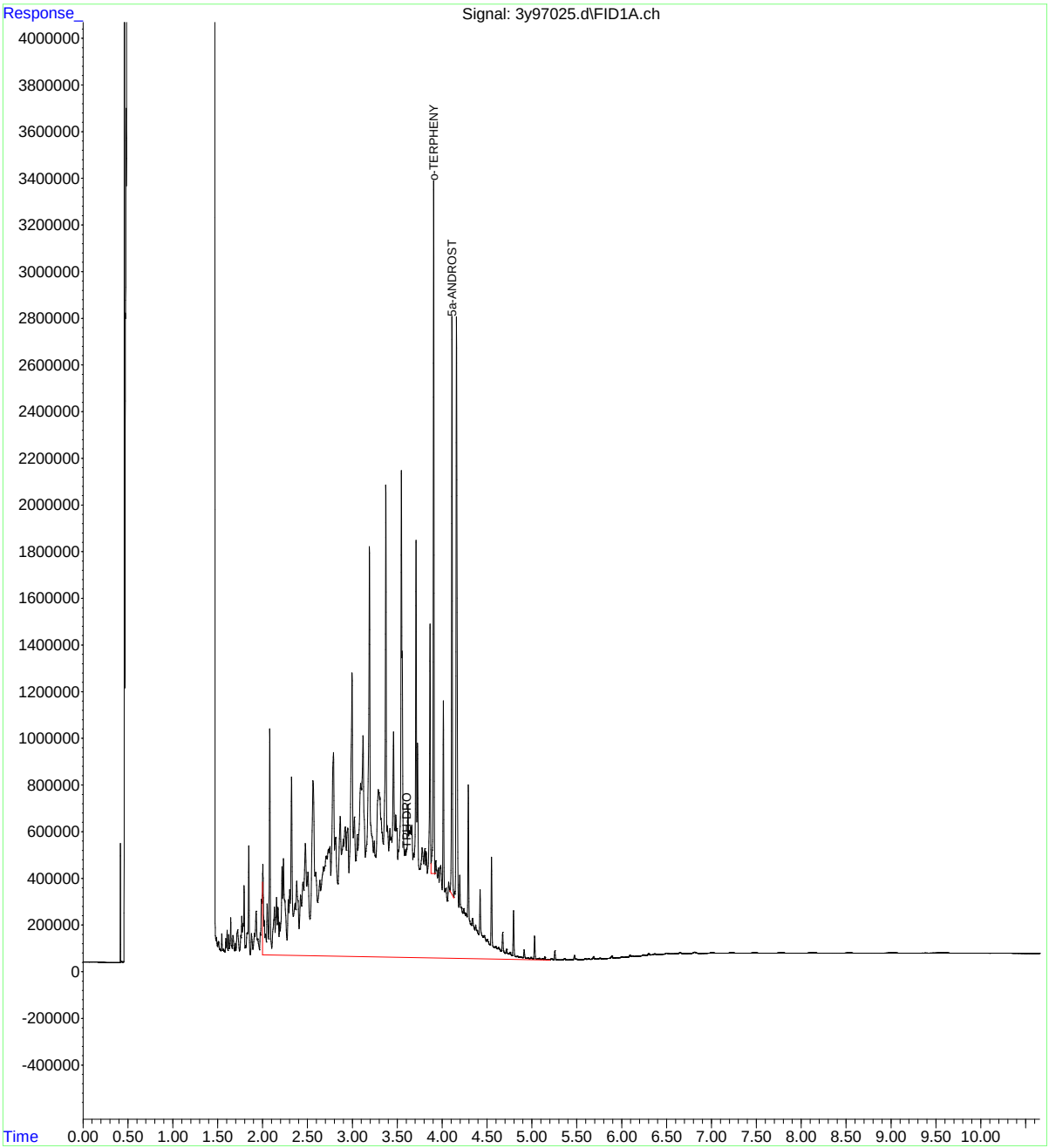
(f)=RT Delta > 1/2 Window (m)=manual int.

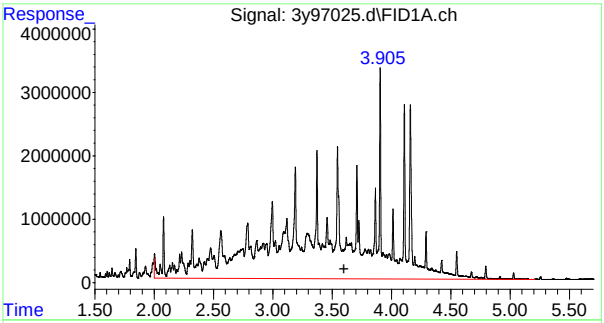
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97025.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 10:40 am
Operator : claudiab
Sample : ic3745-20
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 135 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:00:31 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

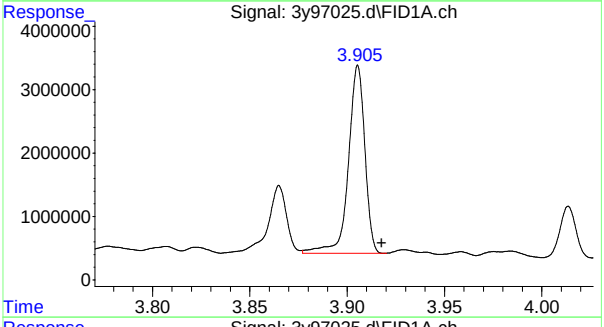
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





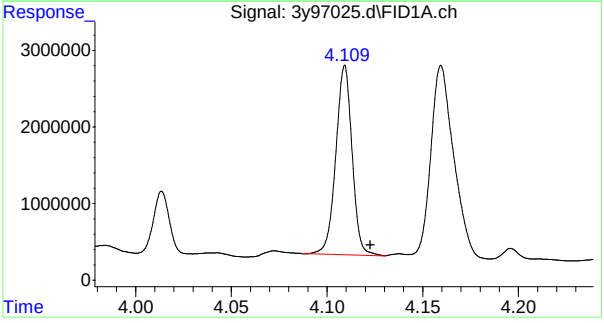
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 652639623
Conc: 12.47 PPM



#6 o-TERPHENYL

R.T.: 3.906 min
Delta R.T.: -0.012 min
Response: 17405115
Conc: 0.25 PPM



#7 5a-ANDROSTANE

R.T.: 4.109 min
Delta R.T.: -0.013 min
Response: 14649715
Conc: 0.23 PPM

Manual Integrations APPROVED (compounds with "m" flag)
Gwendolyn Burns 10/25/25 12:13

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97026.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 11:00 am
Operator : claudiab
Sample : ic3745-40
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 136 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:00:54 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
6) S o-TERPHENYL	3.905	34285624	0.485 PPM m
Spiked Amount 50.000		Recovery =	0.97%
7) S 5a-ANDROSTANE	4.110	31004308	0.481 PPM
Spiked Amount 50.000		Recovery =	0.96%
Target Compounds			
1) H TPH-DRO	3.600	1292790640	25.420 PPM

(f)=RT Delta > 1/2 Window (m)=manual int.

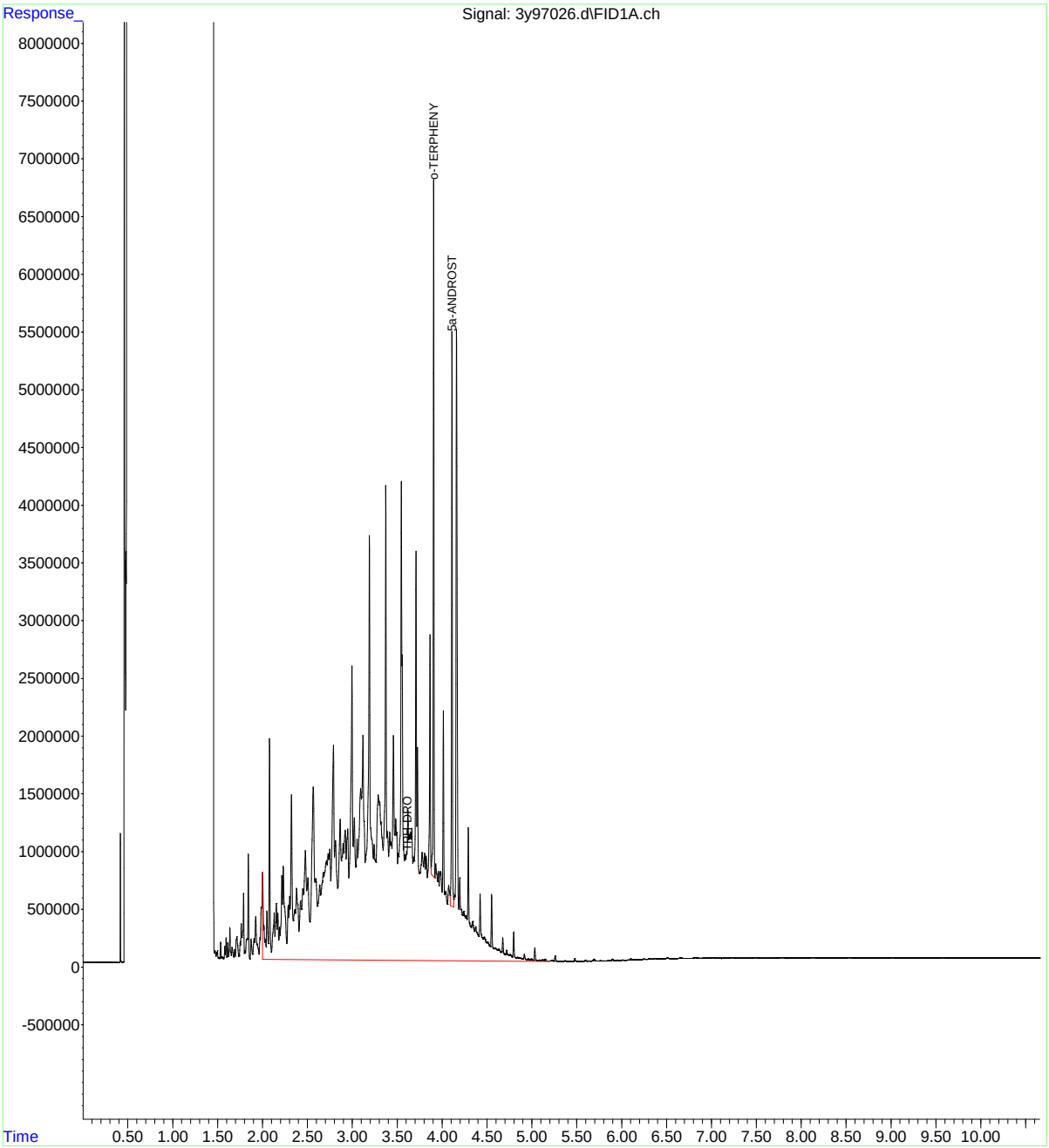
11.4.5 11

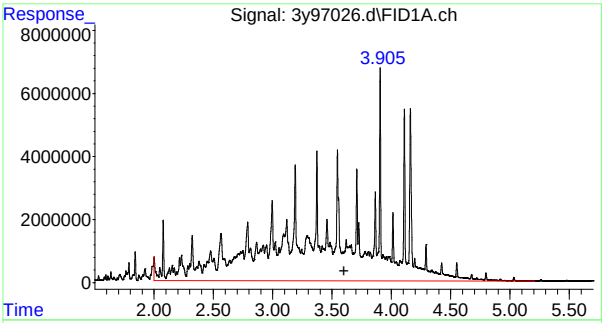
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97026.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 11:00 am
Operator : claudiab
Sample : ic3745-40
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 136 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:00:54 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

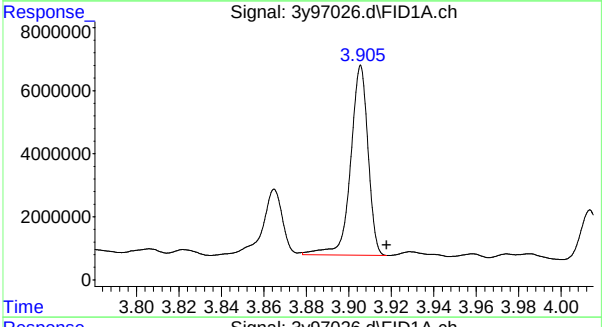
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





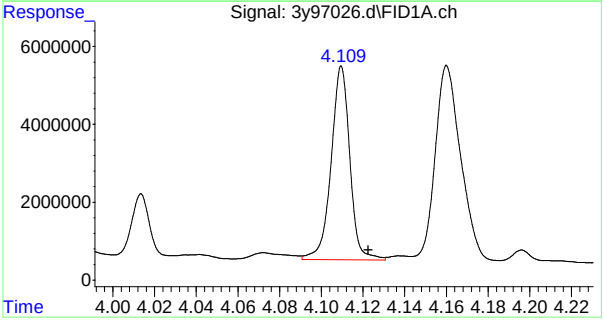
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 1292790640
Conc: 25.42 PPM



#6 o-TERPHENYL

R.T.: 3.905 min
Delta R.T.: -0.012 min
Response: 34285624
Conc: 0.49 PPM m



#7 5a-ANDROSTANE

R.T.: 4.110 min
Delta R.T.: -0.013 min
Response: 31004308
Conc: 0.48 PPM

Manual Integration Approval Summary

Sample Number: G3Y3745-ICC3745
Lab FileID: 3Y97026.D
Injection Time: 10/17/25 11:00
Method: SW846 8015D
Analyst approved: 10/25/25 12:07 Gwendolyn Burns
Supervisor approved: 10/25/25 12:13 Gwendolyn Burns

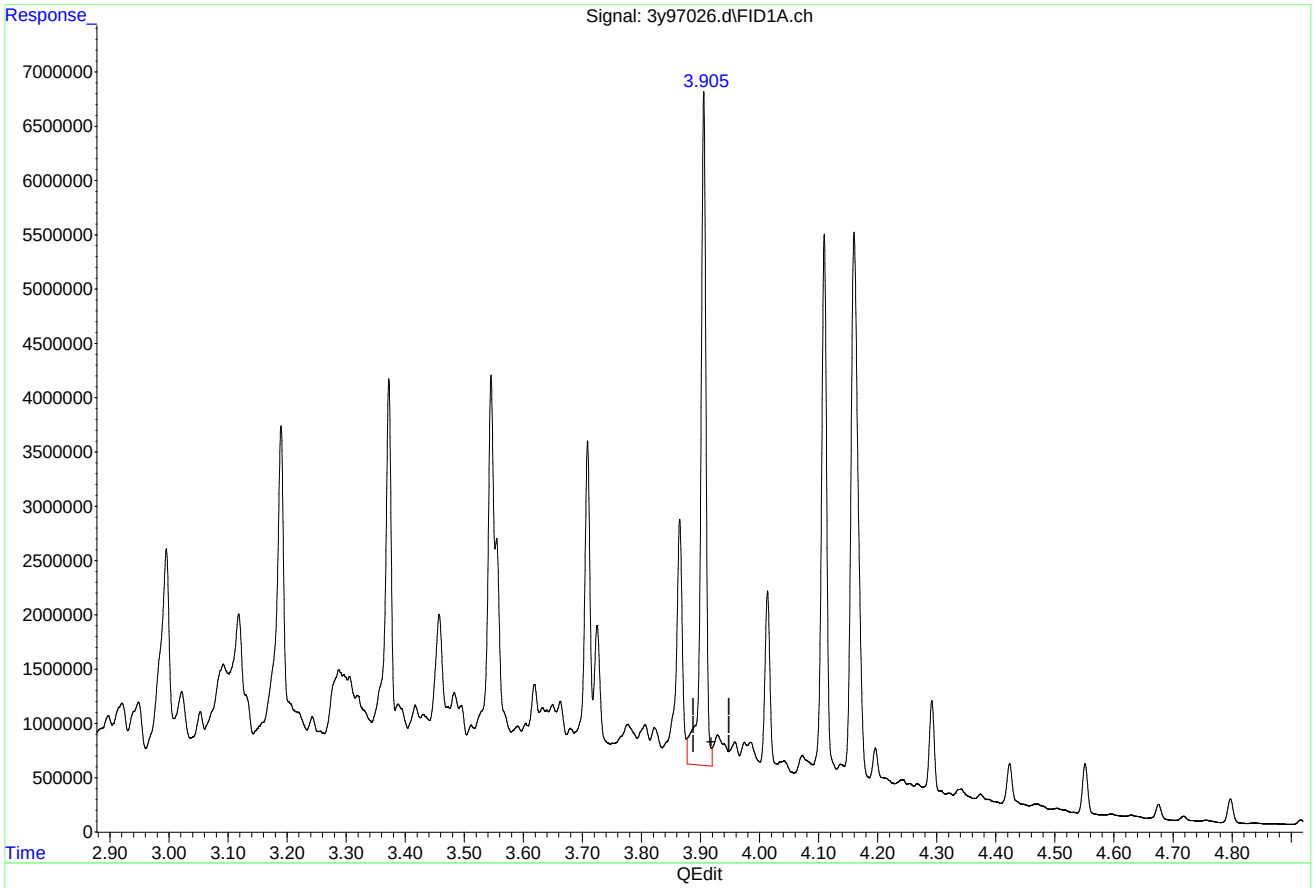
Parameter	CAS	Sig#	R.T. (min.)	Reason
o-Terphenyl	84-15-1	1	3.91	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97026.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 11:00 am
Operator : claudiab
Sample : ic3745-40
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 136 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:00:41 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.906min 0.547 PPM

response 38647313

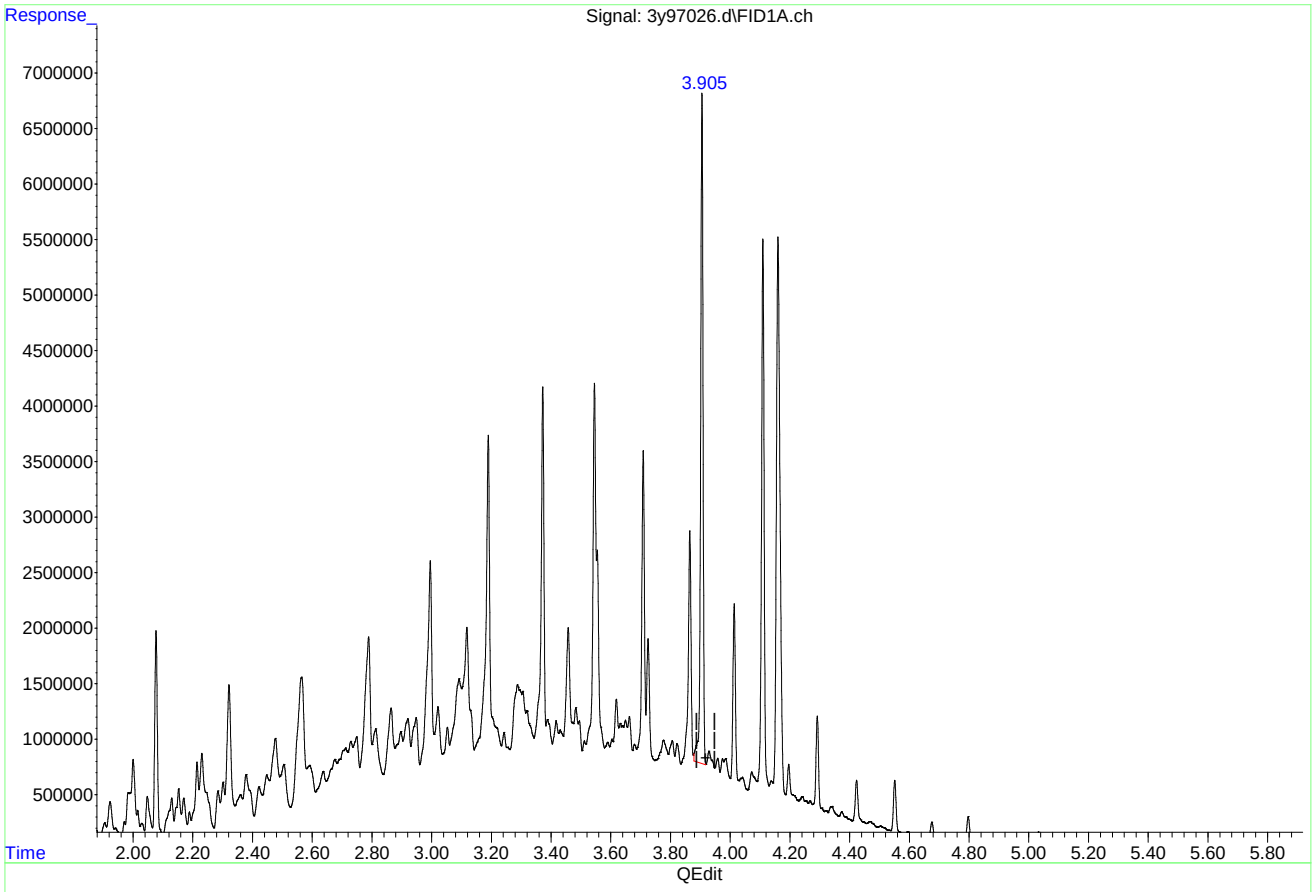
(+) = Expected Retention Time
DROLVI3y3745.M Fri Oct 17 14:00:50 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97026.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 11:00 am
Operator : claudiab
Sample : ic3745-40
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 136 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:00:41 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.905min 0.485 PPM m

response 34285624

(+) = Expected Retention Time
DROLVI3y3745.M Fri Oct 17 14:00:56 2025

Manual Integrations APPROVED (compounds with "m" flag)
Gwendolyn Burns 10/25/25 12:13

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97027.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 11:20 am
Operator : claudiab
Sample : ic3745-100
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 137 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:01:25 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
6) S o-TERPHENYL	3.907	92323723	1.307	PPM	m
Spiked Amount 50.000		Recovery = 2.61%			
7) S 5a-ANDROSTANE	4.112	82527841	1.280	PPM	m
Spiked Amount 50.000		Recovery = 2.56%			
Target Compounds					
1) H TPH-DRO	3.600	3389808656	67.936	PPM	

(f)=RT Delta > 1/2 Window (m)=manual int.

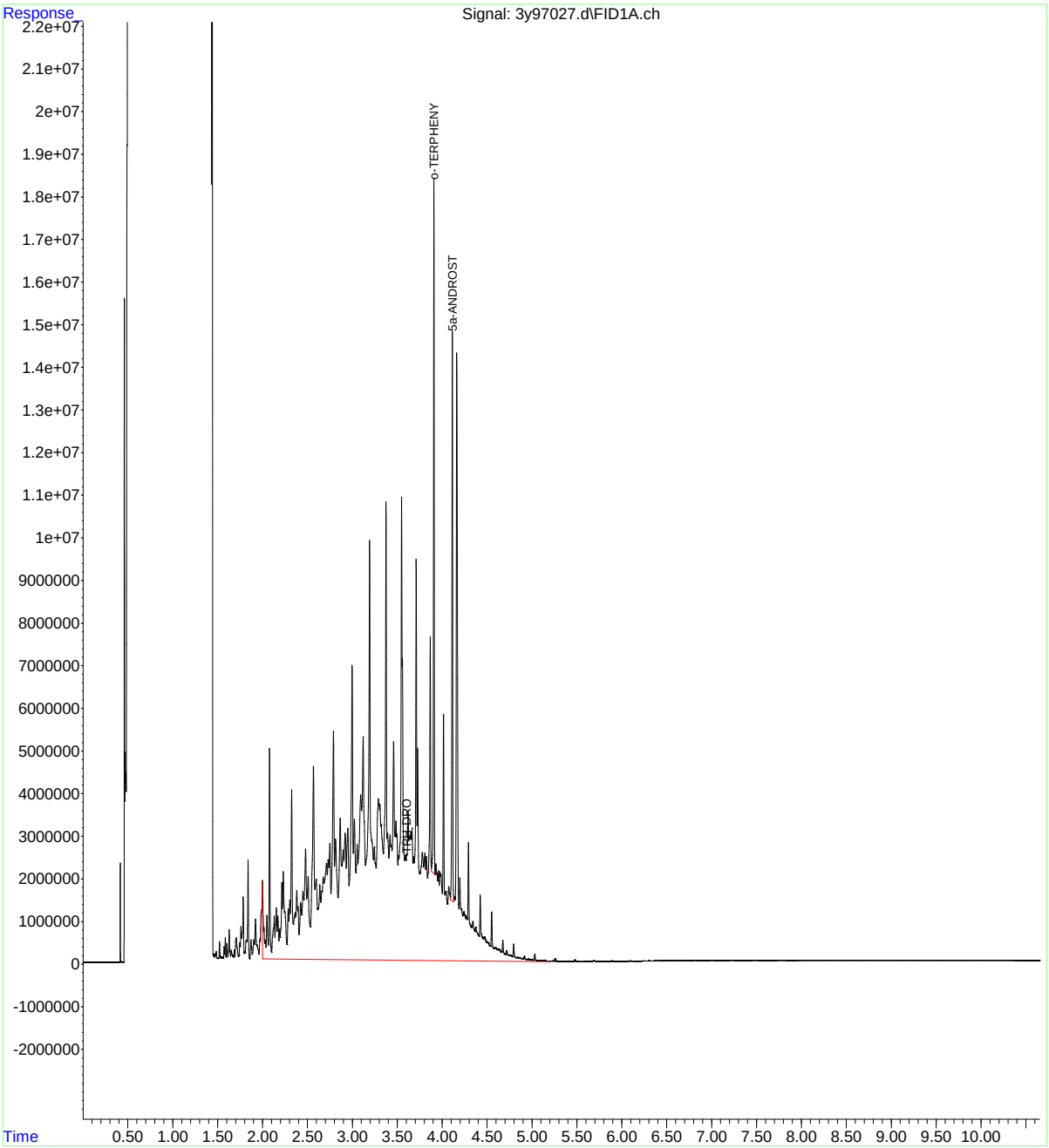
11.4.6 11

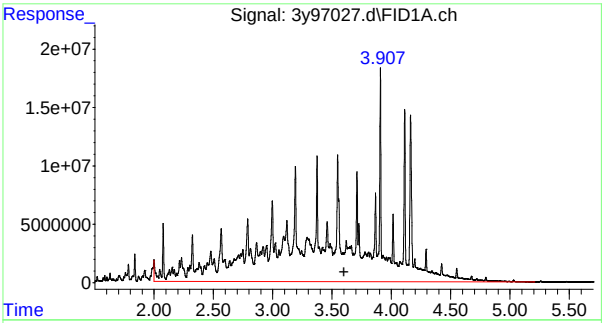
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97027.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 11:20 am
Operator : claudiab
Sample : ic3745-100
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 137 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:01:25 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

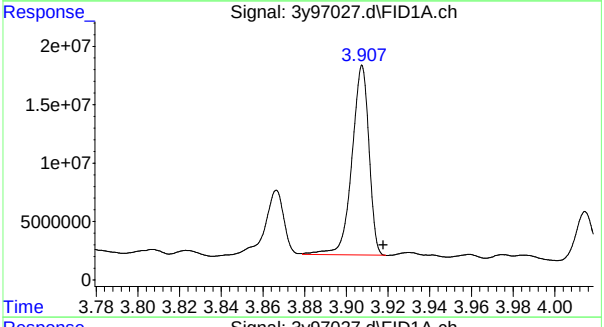
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





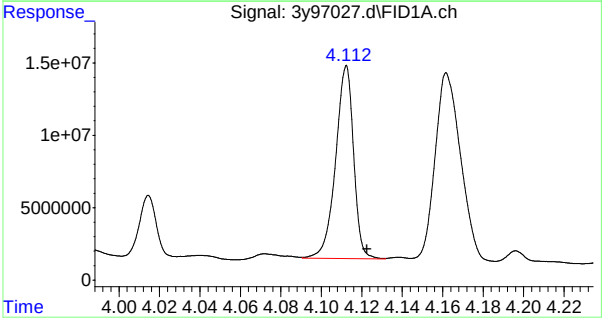
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 3389808656
Conc: 67.94 PPM



#6 o-TERPHENYL

R.T.: 3.907 min
Delta R.T.: -0.010 min
Response: 92323723
Conc: 1.31 PPM m



#7 5a-ANDROSTANE

R.T.: 4.112 min
Delta R.T.: -0.010 min
Response: 82527841
Conc: 1.28 PPM m

Manual Integration Approval Summary

Sample Number: G3Y3745-IC3745
Lab FileID: 3Y97027.D
Injection Time: 10/17/25 11:20
Method: SW846 8015D
Analyst approved: 10/18/25 23:12 Rebecca Krug
Supervisor approved: 10/25/25 12:13 Gwendolyn Burns

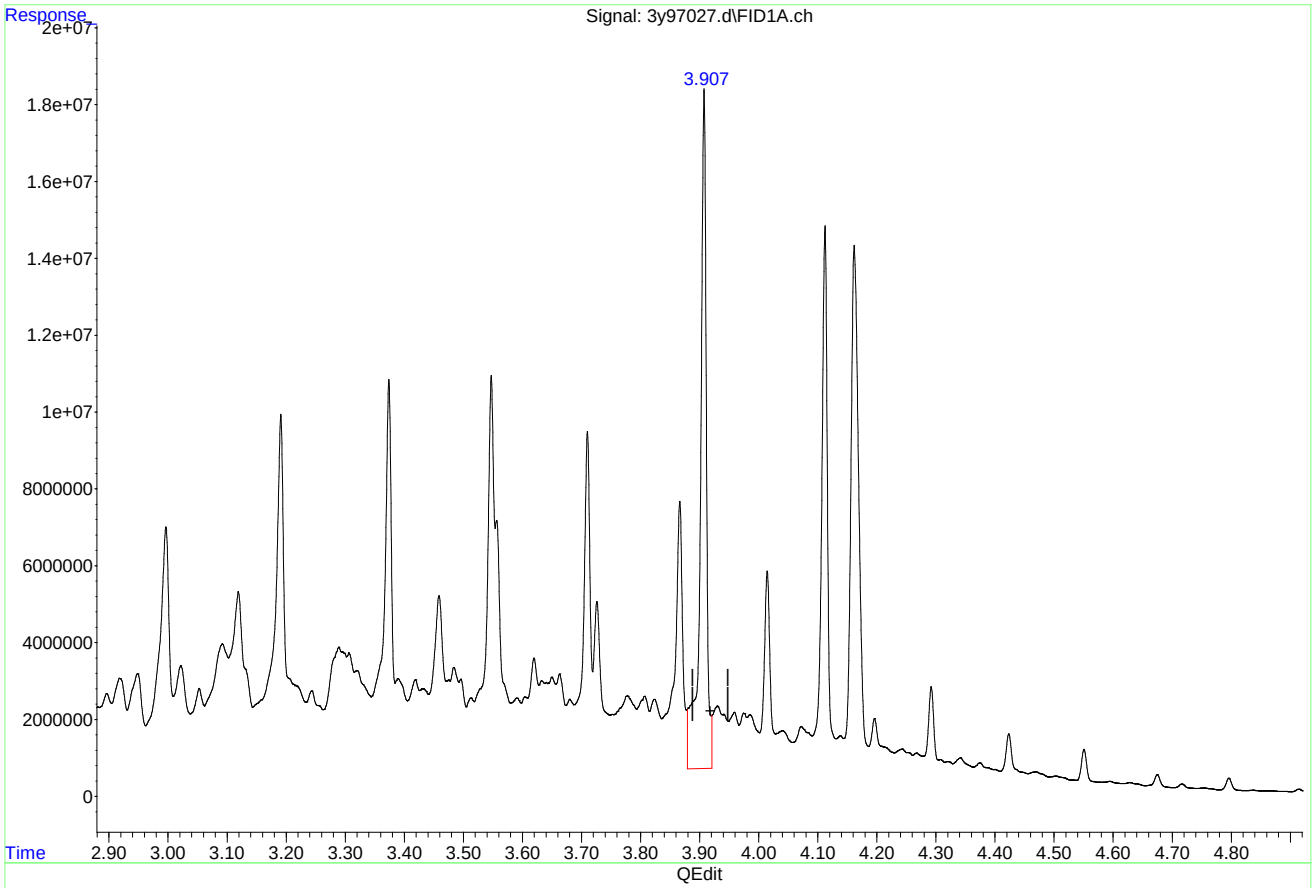
Parameter	CAS	Sig#	R.T. (min.)	Reason
o-Terphenyl	84-15-1	1	3.91	Poorly defined baseline
5a-Androstane	438-22-2	1	4.11	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97027.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 11:20 am
Operator : claudiab
Sample : ic3745-100
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 137 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:01:08 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.908min 1.811 PPM

response 127897560

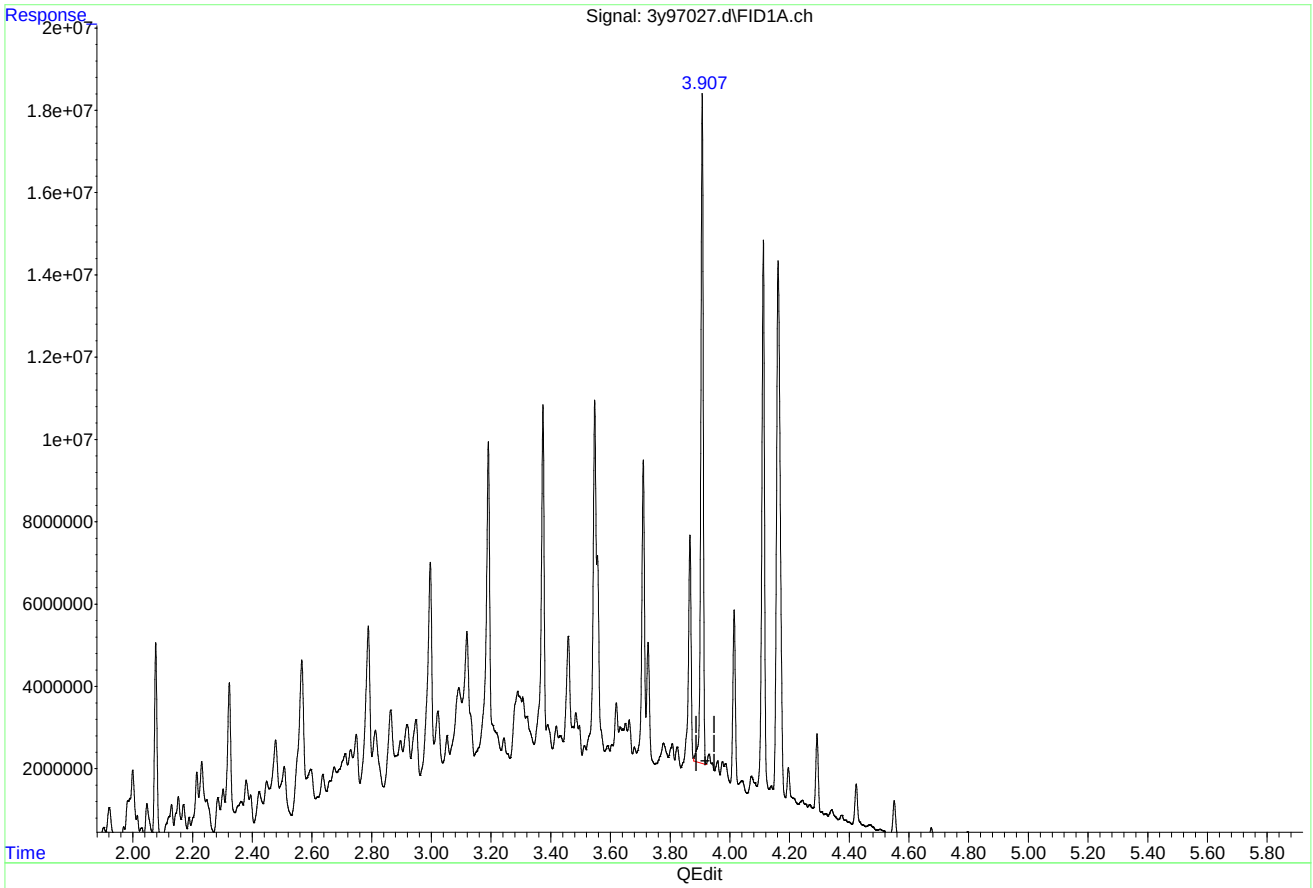
(+) = Expected Retention Time
DROLVI3y3745.M Fri Oct 17 14:01:16 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97027.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 11:20 am
Operator : claudiab
Sample : ic3745-100
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 137 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:01:08 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.907min 1.307 PPM m

response 92323723

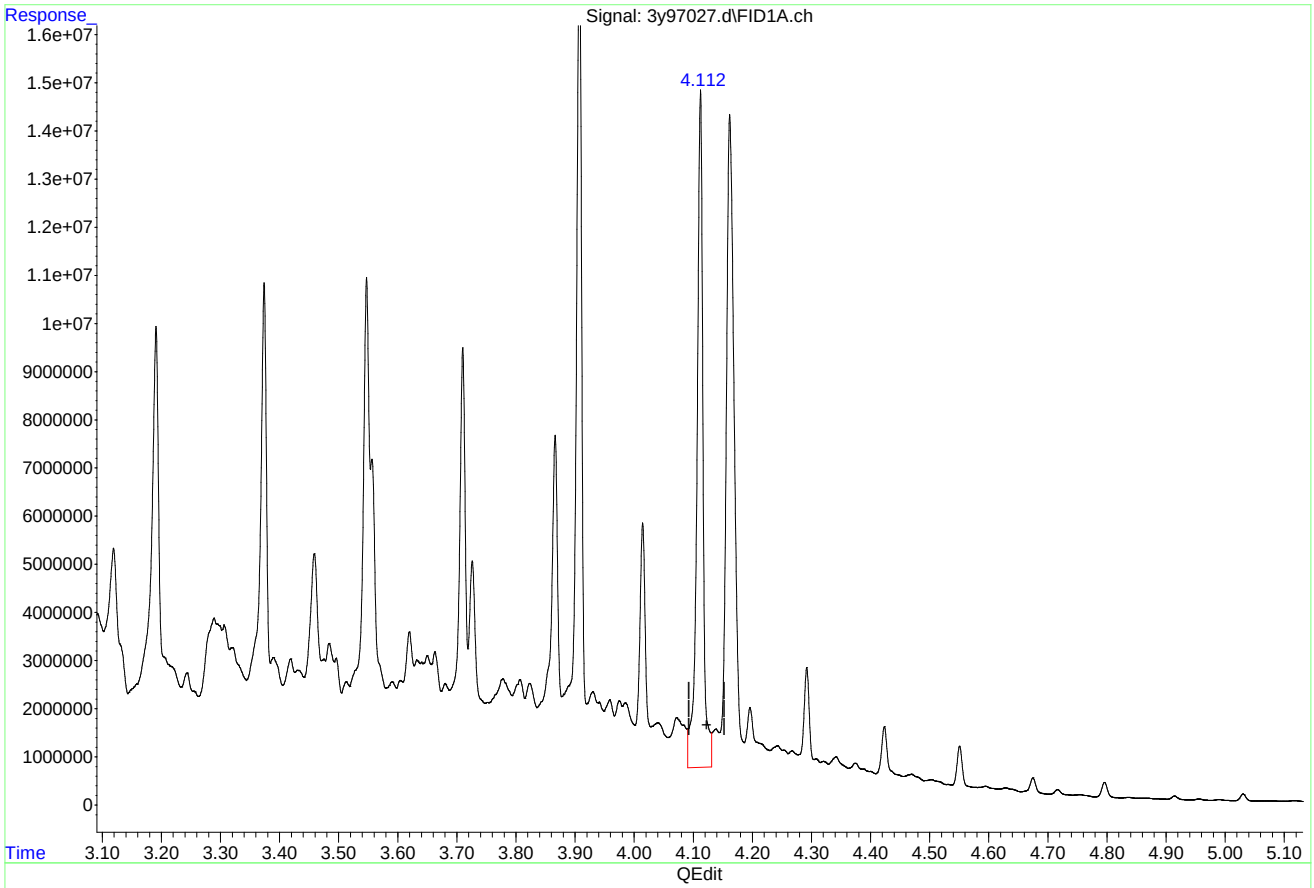
(+) = Expected Retention Time
DROLVI3y3745.M Fri Oct 17 14:01:20 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97027.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 11:20 am
Operator : claudiab
Sample : ic3745-100
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 137 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:01:08 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.112min 1.546 PPM

response 99694553

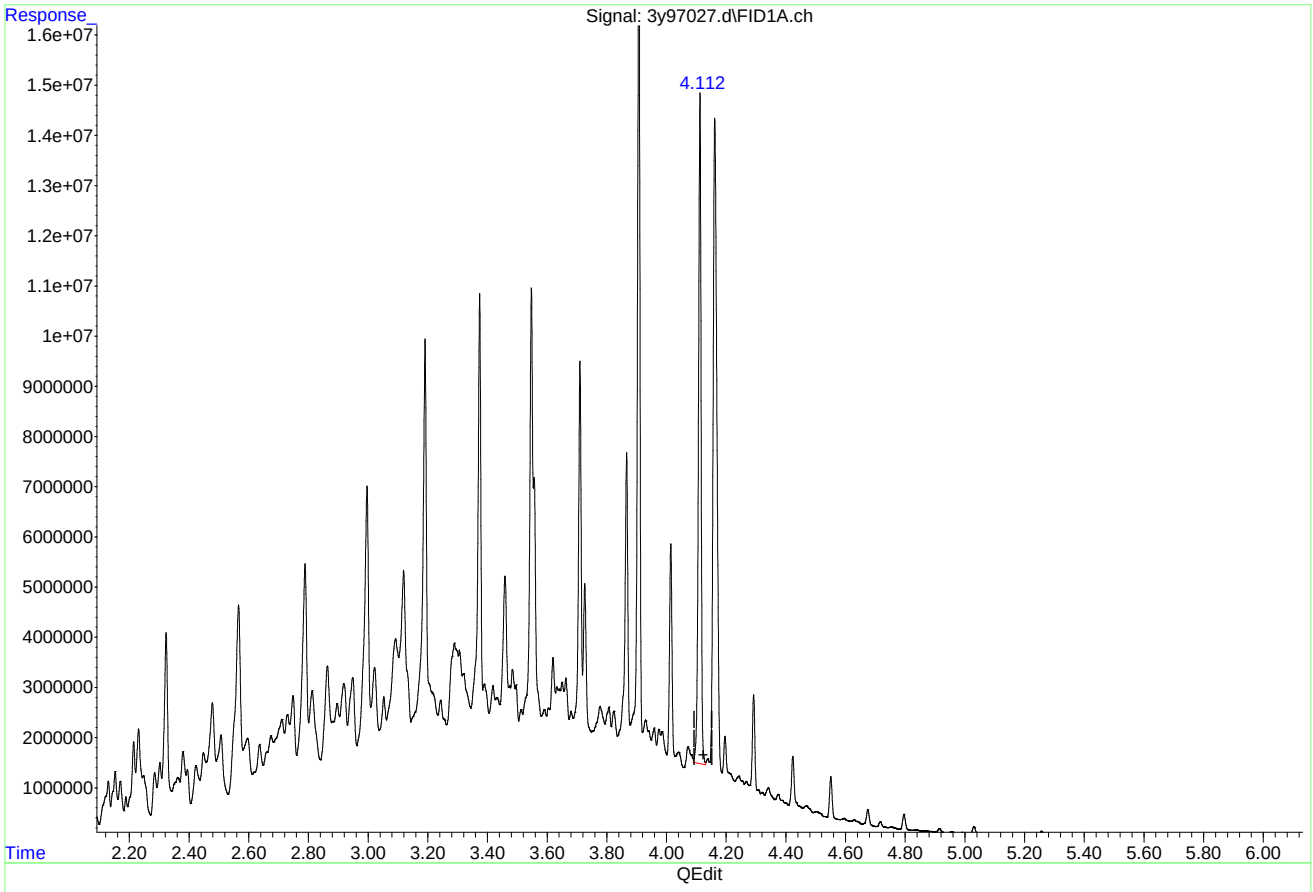
(+) = Expected Retention Time
DROLVI3y3745.M Fri Oct 17 14:01:23 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97027.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 11:20 am
Operator : claudiab
Sample : ic3745-100
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 137 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:01:08 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.112min 1.280 PPM m

response 82527841

(+) = Expected Retention Time
DROLVI3y3745.M Fri Oct 17 14:01:27 2025

3Y97028.D

Manual Integrations APPROVED (compounds with "m" flag)

Gwendolyn Burns 10/25/25 12:13

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97028.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 11:40 am
Operator : claudiab
Sample : ic3745-200
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 138 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:01:54 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
6) S o-TERPHENYL	3.913	206356929	2.922	PPM	m
Spiked Amount 50.000		Recovery = 5.84%			
7) S 5a-ANDROSTANE	4.118	180618165	2.802	PPM	m
Spiked Amount 50.000		Recovery = 5.60%			
Target Compounds					
1) H TPH-DRO	3.600	7239306246	146.292	PPM	

(f)=RT Delta > 1/2 Window (m)=manual int.

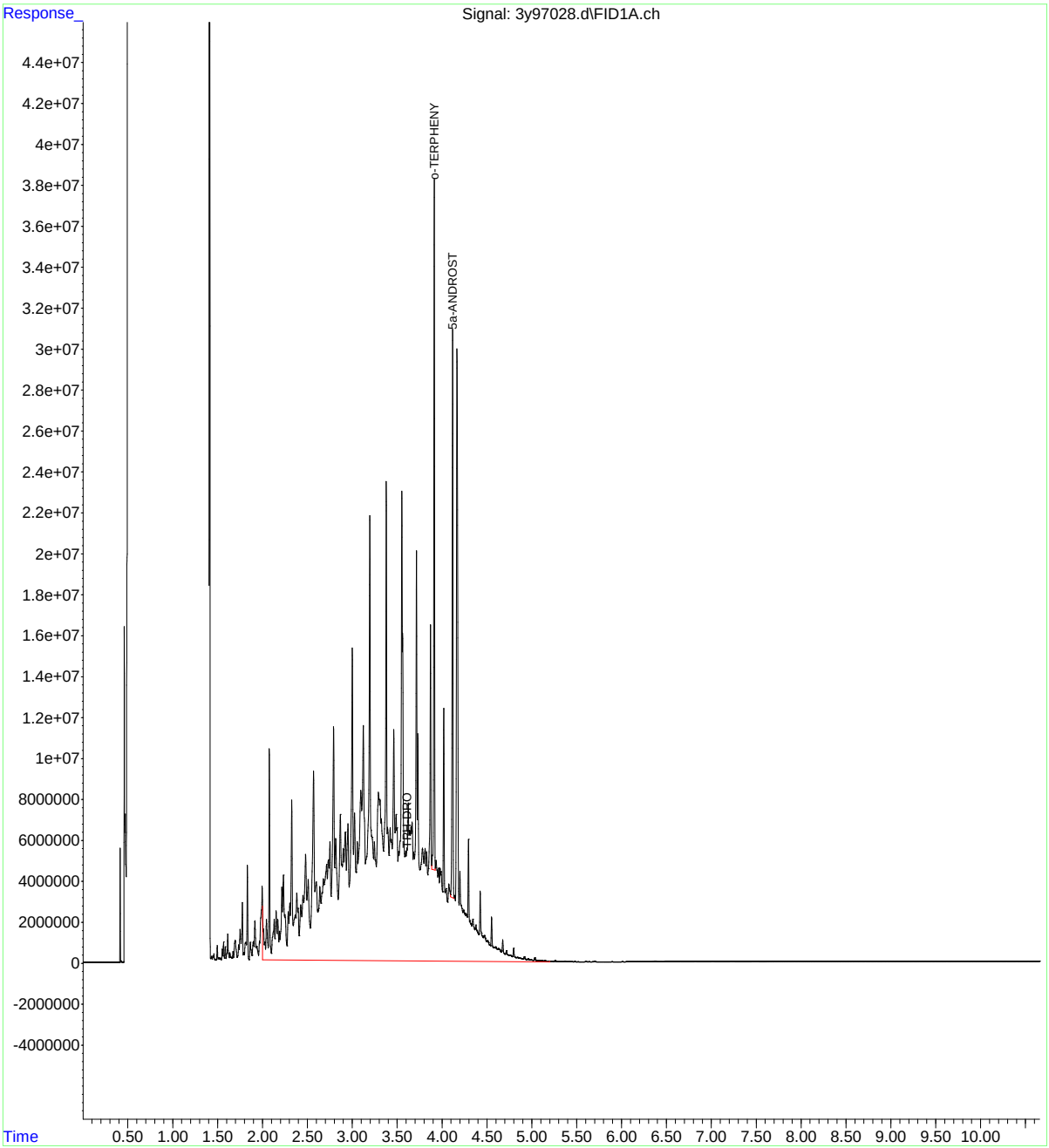
11.4.7 11

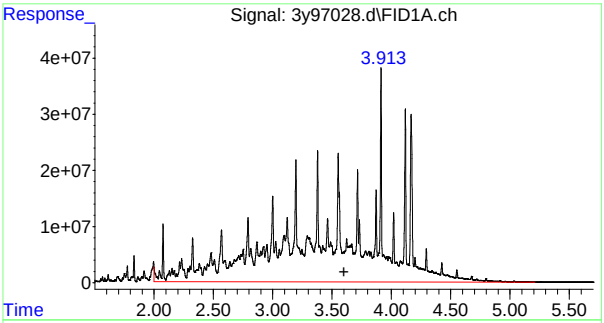
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97028.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 11:40 am
Operator : claudiab
Sample : ic3745-200
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 138 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:01:54 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

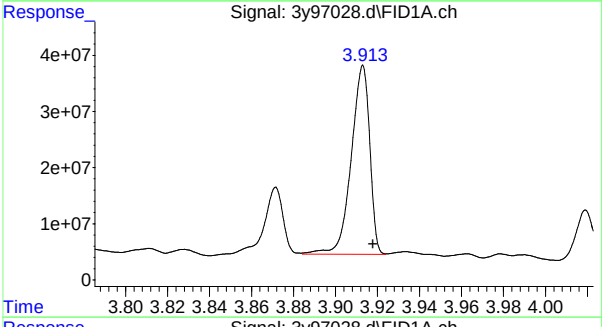
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





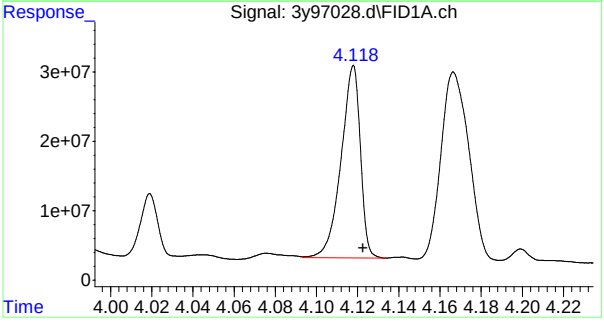
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 7239306246
Conc: 146.29 PPM



#6 o-TERPHENYL

R.T.: 3.913 min
Delta R.T.: -0.005 min
Response: 206356929
Conc: 2.92 PPM m



#7 5a-ANDROSTANE

R.T.: 4.118 min
Delta R.T.: -0.005 min
Response: 180618165
Conc: 2.80 PPM m

Manual Integration Approval Summary

Sample Number: G3Y3745-IC3745
Lab FileID: 3Y97028.D
Injection Time: 10/17/25 11:40
Method: SW846 8015D
Analyst approved: 10/18/25 23:12 Rebecca Krug
Supervisor approved: 10/25/25 12:13 Gwendolyn Burns

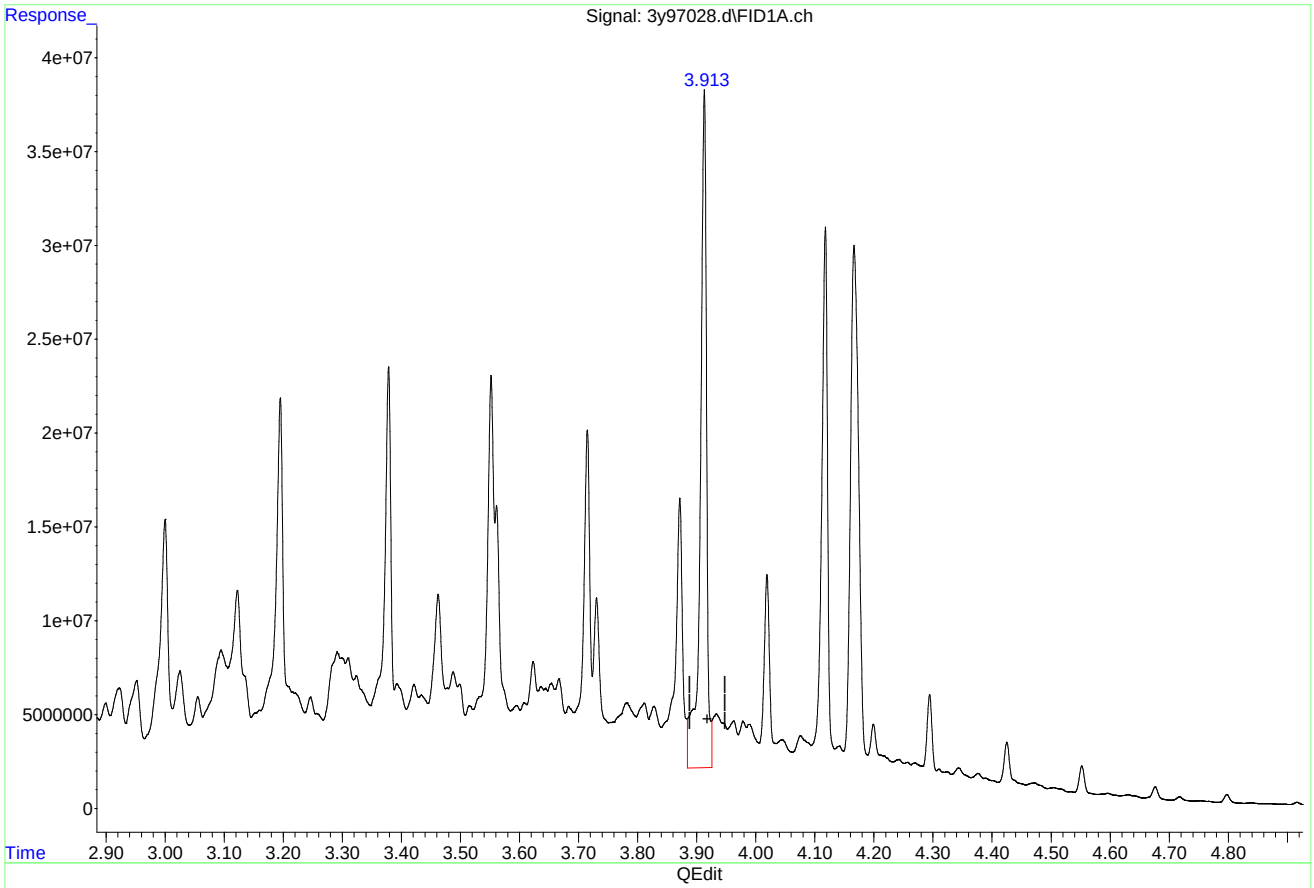
Parameter	CAS	Sig#	R.T. (min.)	Reason
o-Terphenyl	84-15-1	1	3.91	Poorly defined baseline
5a-Androstane	438-22-2	1	4.12	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97028.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 11:40 am
Operator : claudiab
Sample : ic3745-200
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 138 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:01:38 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.913min 3.774 PPM

response 266590751

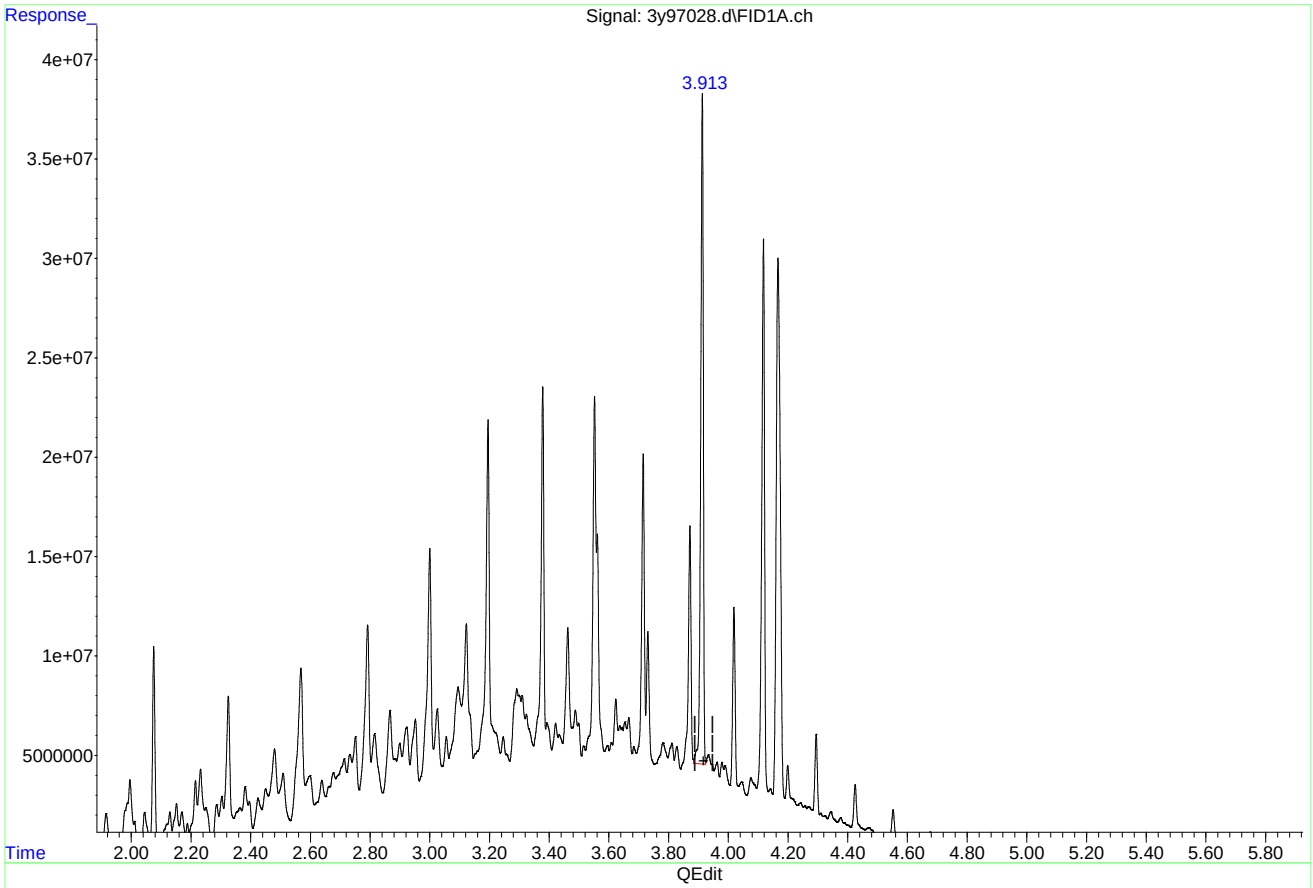
(+) = Expected Retention Time
DROLVI3y3745.M Fri Oct 17 14:01:45 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97028.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 11:40 am
Operator : claudiab
Sample : ic3745-200
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 138 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:01:38 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.913min 2.922 PPM m

response 206356929

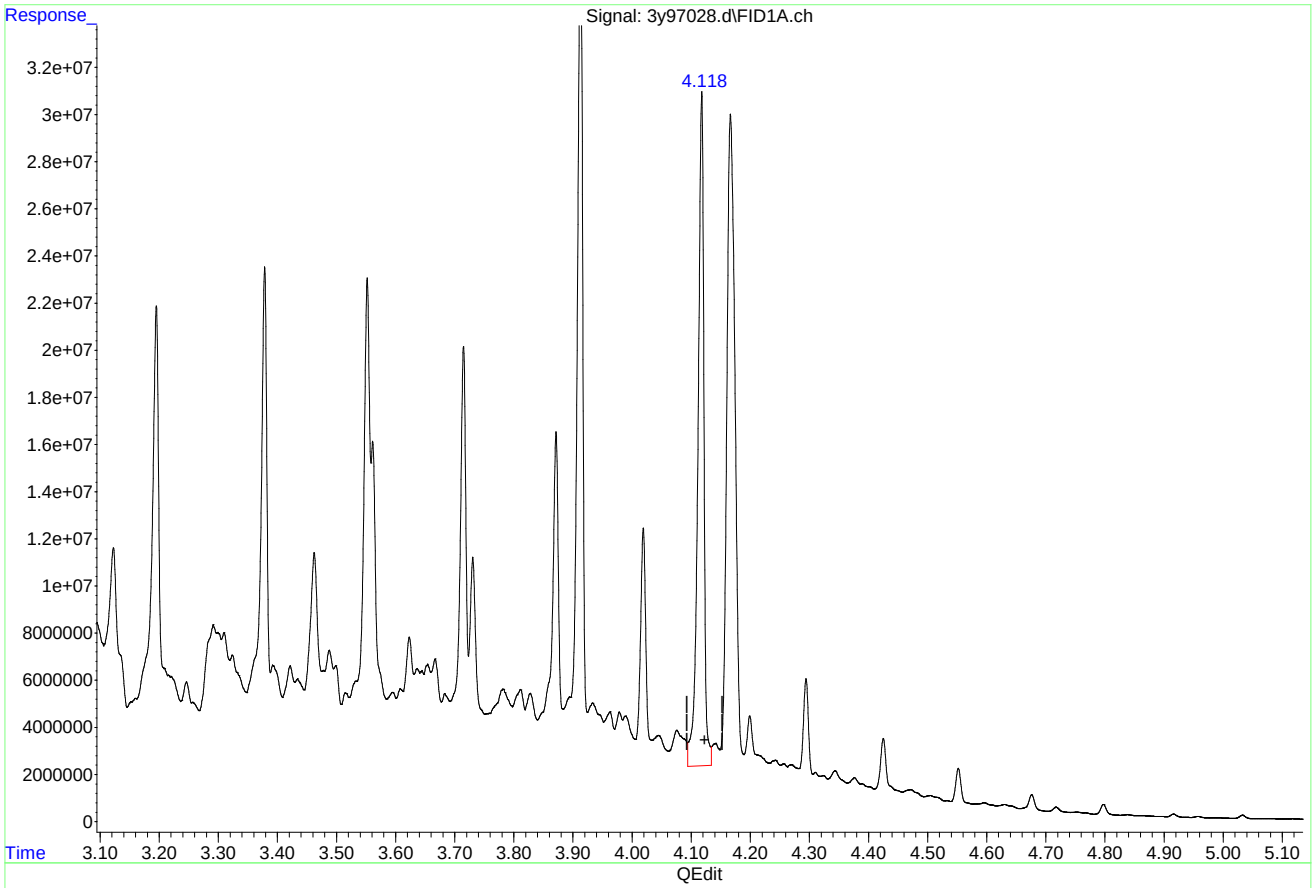
(+) = Expected Retention Time
DROLVI3y3745.M Fri Oct 17 14:01:49 2025 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97028.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 11:40 am
Operator : claudiab
Sample : ic3745-200
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 138 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:01:38 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.118min 3.115 PPM

response 200844082

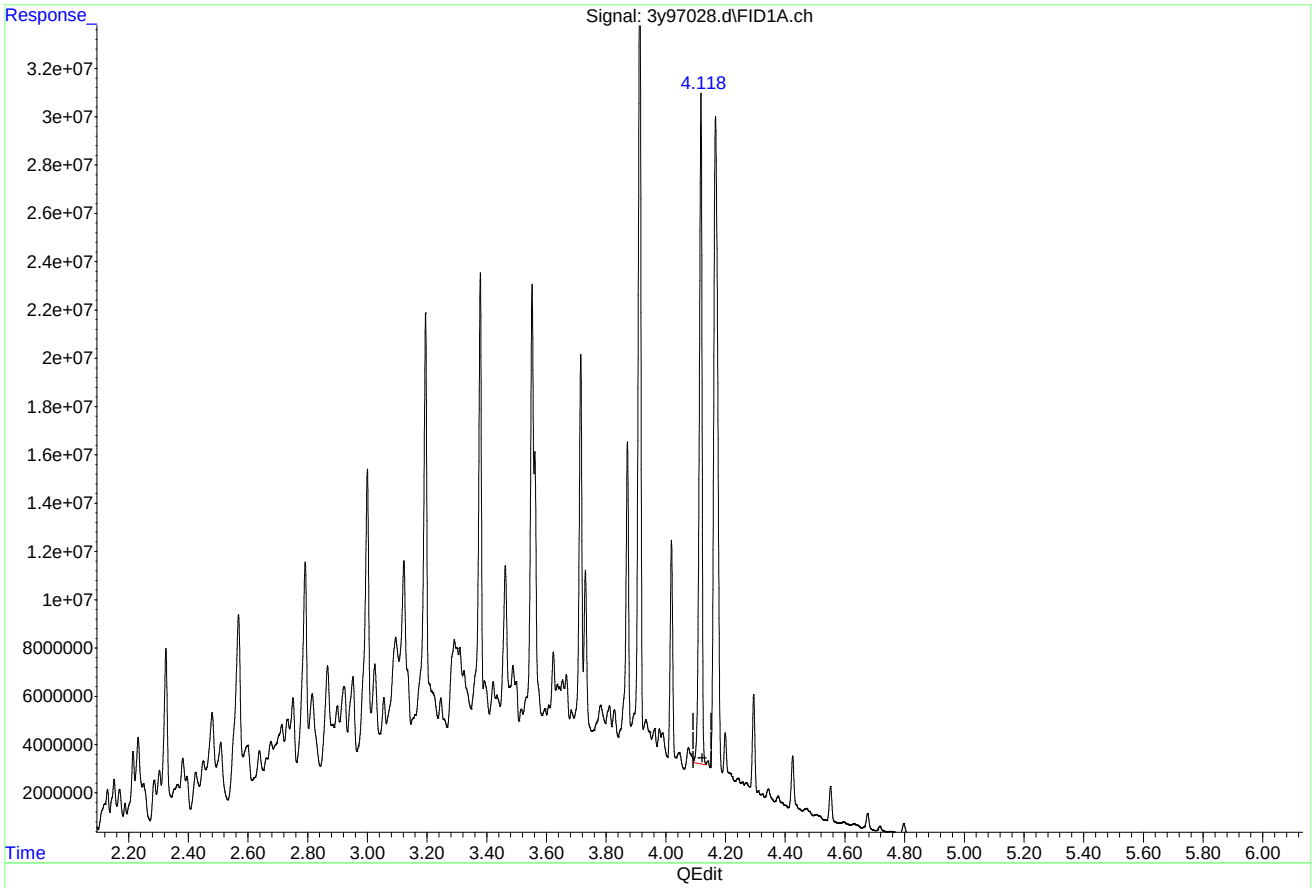
(+) = Expected Retention Time
DROLVI3y3745.M Fri Oct 17 14:01:51 2025 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97028.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 11:40 am
Operator : claudiab
Sample : ic3745-200
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 138 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:01:38 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.118min 2.802 PPM m

response 180618165

(+) = Expected Retention Time
DROLVI3y3745.M Fri Oct 17 14:01:56 2025

Manual Integrations APPROVED (compounds with "m" flag)
Gwendolyn Burns 10/25/25 12:13

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97029.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 12:00 pm
Operator : claudiab
Sample : ic3745-400
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 139 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:02:21 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
6) S o-TERPHENYL	3.918	384822176	5.448	PPM	m
Spiked Amount 50.000		Recovery = 10.90%			
7) S 5a-ANDROSTANE	4.124	347709577	5.393	PPM	m
Spiked Amount 50.000		Recovery = 10.79%			
Target Compounds					
1) H TPH-DRO	3.600	13174046853	267.894	PPM	

(f)=RT Delta > 1/2 Window (m)=manual int.

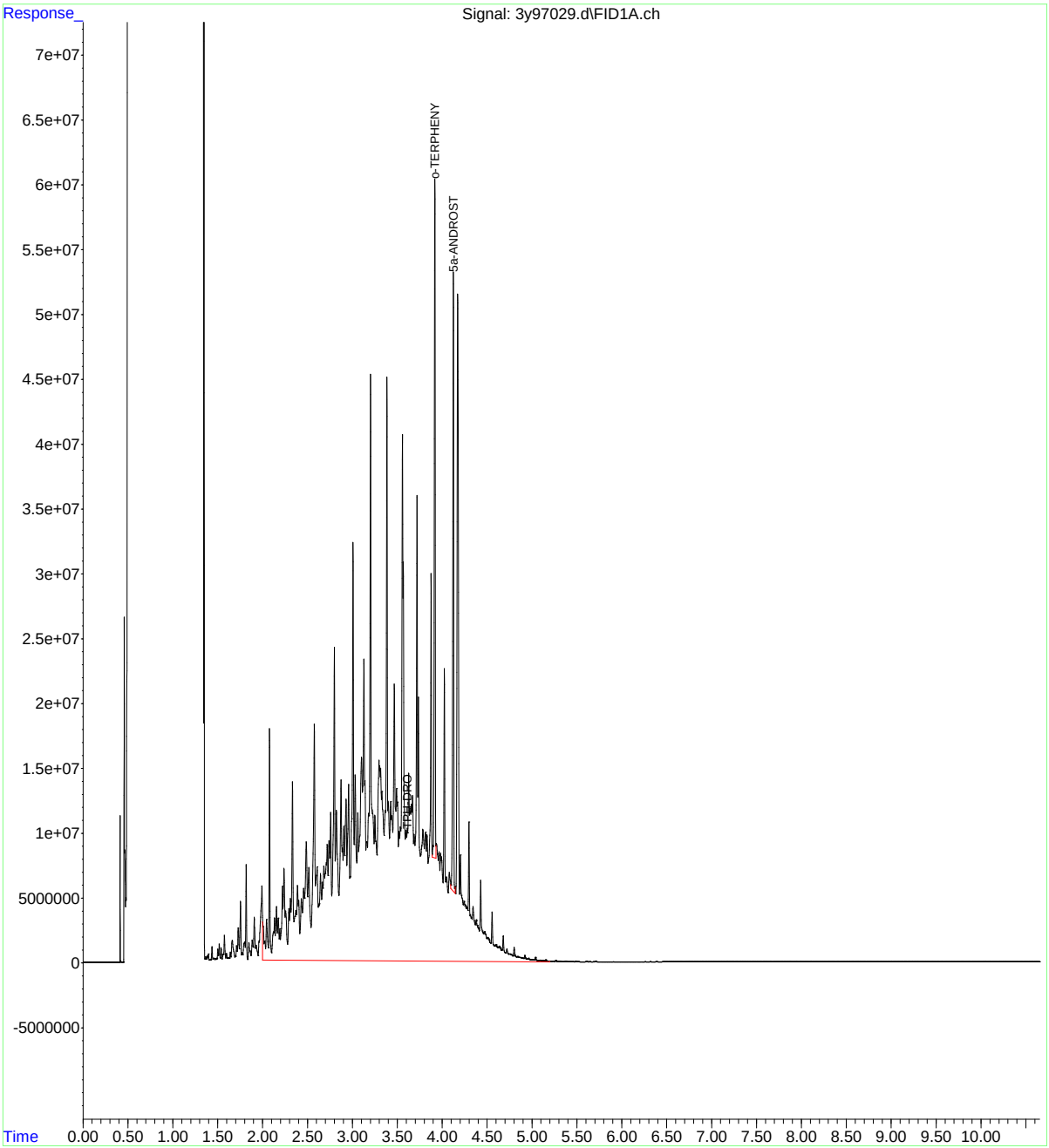
11.4.8 11

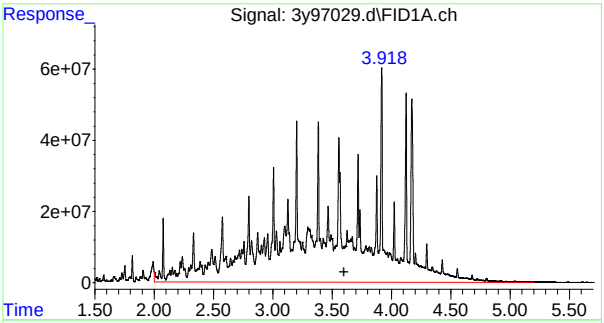
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97029.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 12:00 pm
Operator : claudiab
Sample : ic3745-400
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 139 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:02:21 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

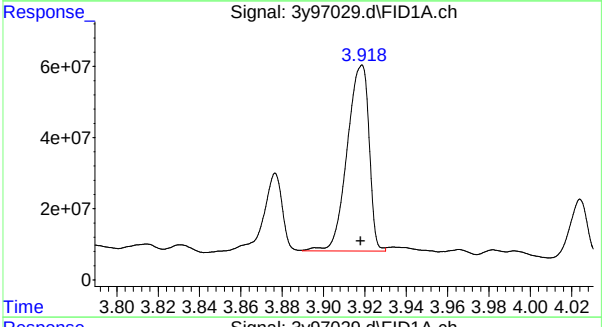
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





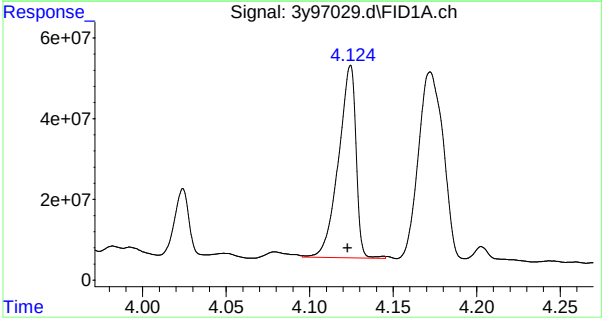
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 13174046853
Conc: 267.89 PPM



#6 o-TERPHENYL

R.T.: 3.918 min
Delta R.T.: 0.000 min
Response: 384822176
Conc: 5.45 PPM m



#7 5a-ANDROSTANE

R.T.: 4.124 min
Delta R.T.: 0.002 min
Response: 347709577
Conc: 5.39 PPM m

Manual Integration Approval Summary

Sample Number: G3Y3745-IC3745 **Method:** SW846 8015D
Lab FileID: 3Y97029.D **Analyst approved:** 10/18/25 23:12 Rebecca Krug
Injection Time: 10/17/25 12:00 **Supervisor approved:** 10/25/25 12:13 Gwendolyn Burns

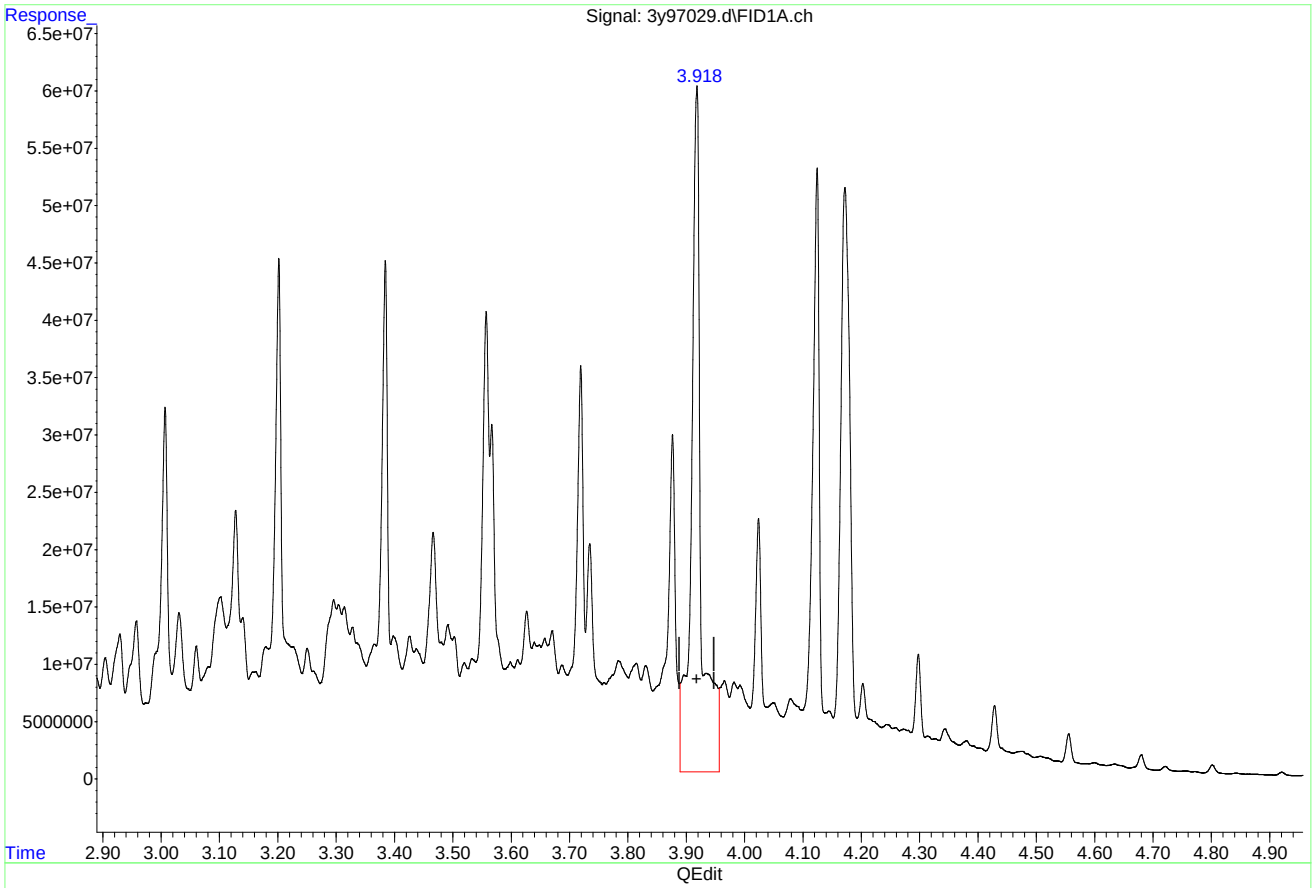
Parameter	CAS	Sig#	R.T. (min.)	Reason
o-Terphenyl	84-15-1	1	3.92	Poorly defined baseline
5a-Androstane	438-22-2	1	4.12	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97029.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 12:00 pm
Operator : claudiab
Sample : ic3745-400
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 139 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:02:04 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.918min 9.851 PPM

response 695828807

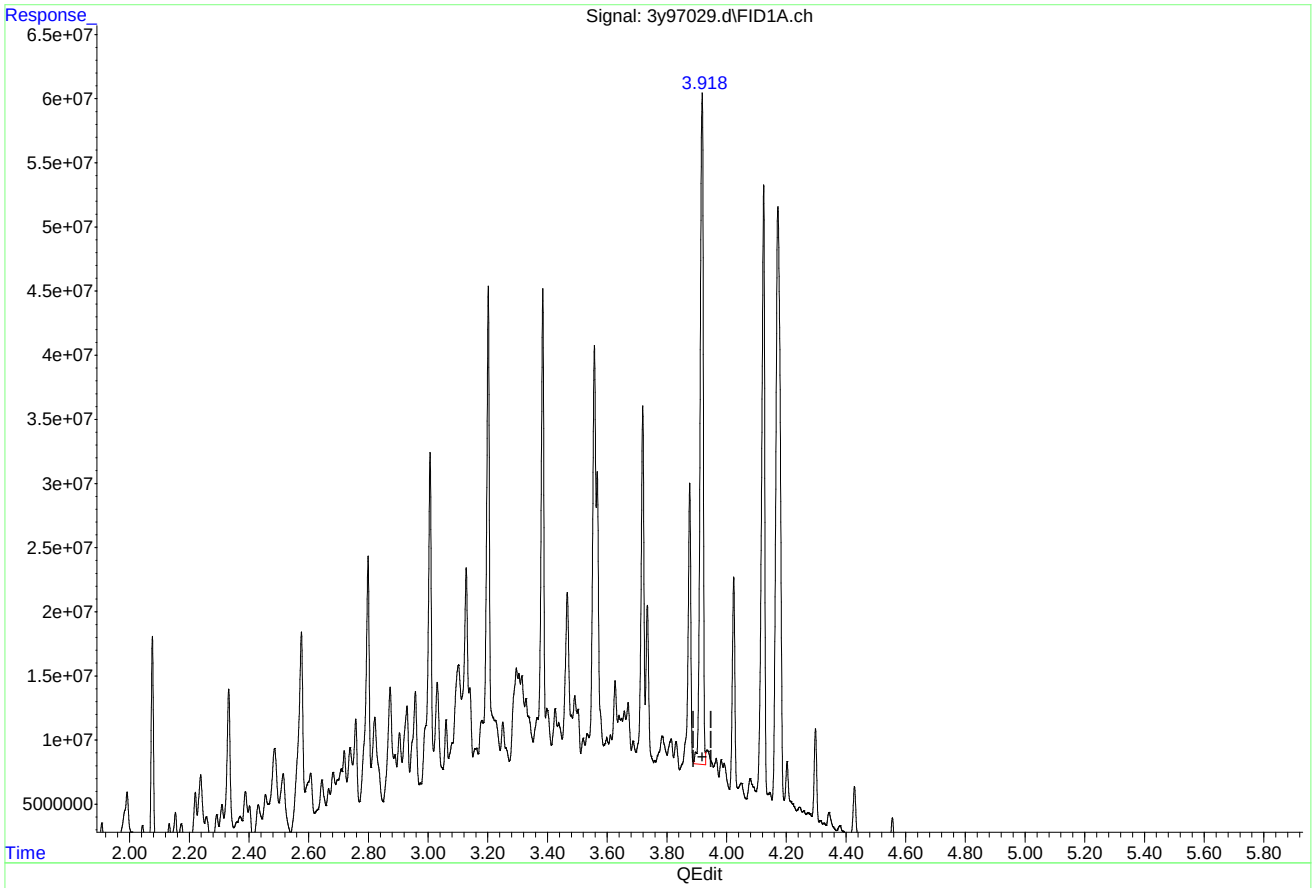
(+) = Expected Retention Time
DROLVI3y3745.M Fri Oct 17 14:02:10 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97029.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 12:00 pm
Operator : claudiab
Sample : ic3745-400
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 139 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:02:04 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.918min 5.448 PPM m

response 384822176

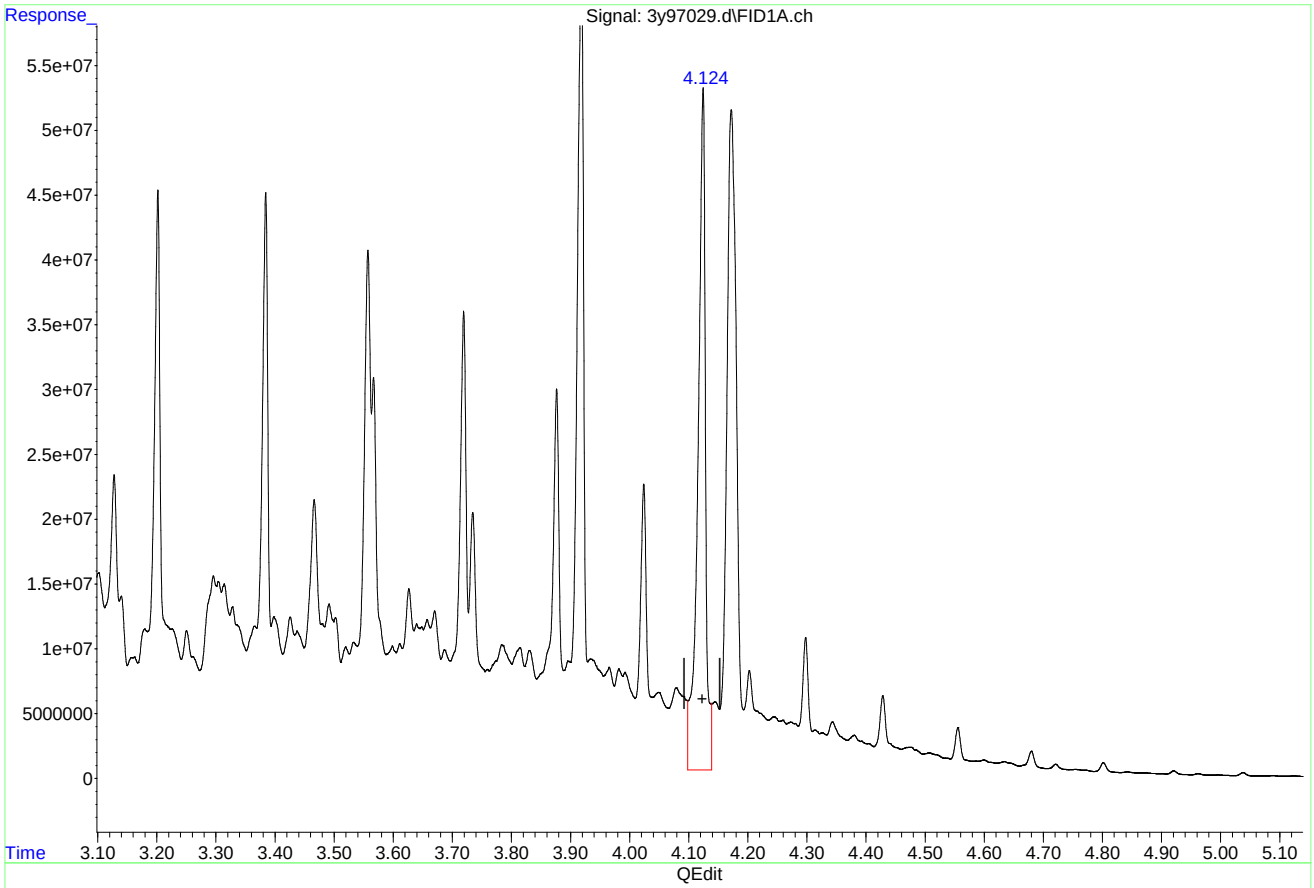
(+) = Expected Retention Time
DROLVI3y3745.M Fri Oct 17 14:02:16 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97029.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 12:00 pm
Operator : claudiab
Sample : ic3745-400
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 139 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:02:04 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.124min 7.221 PPM

response 465543004

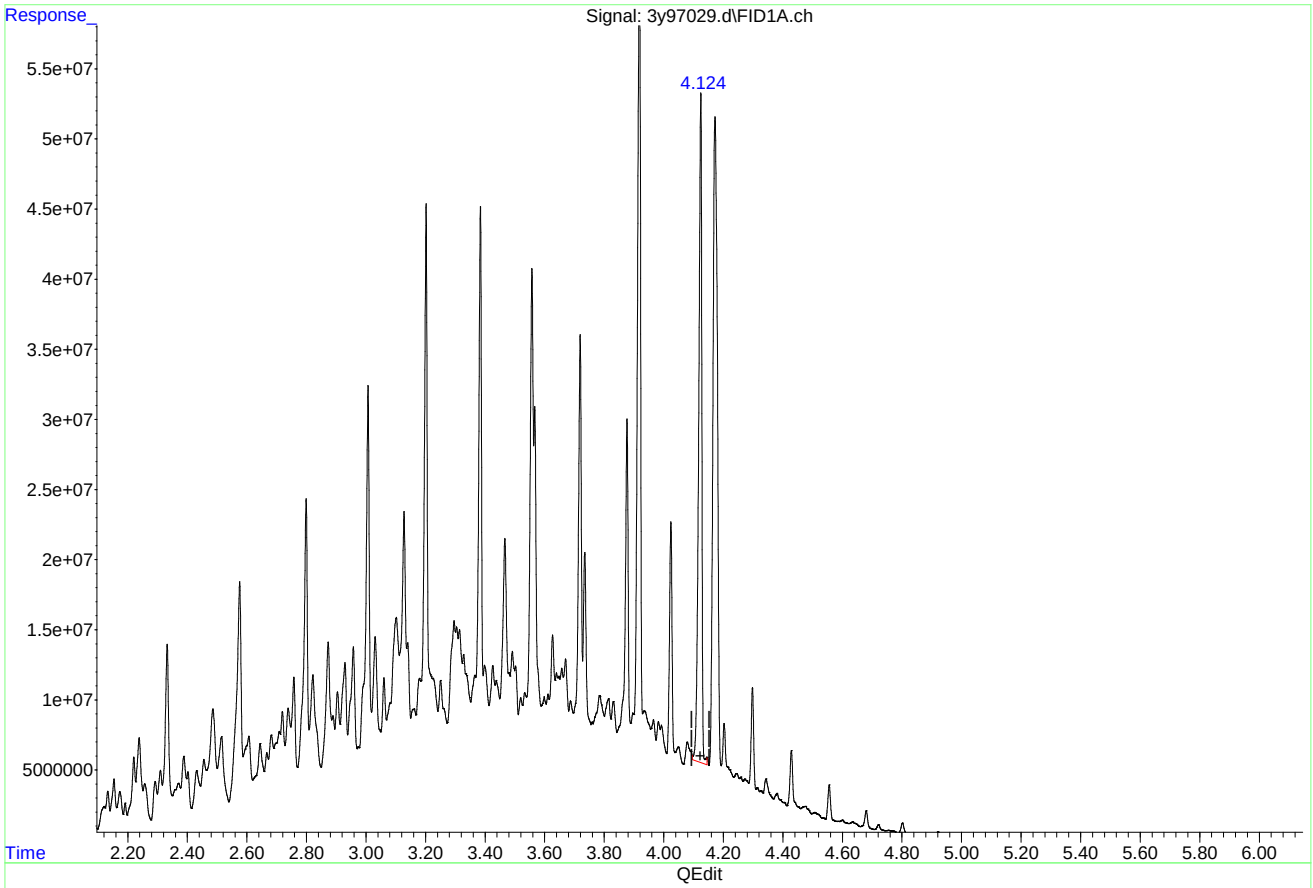
(+) = Expected Retention Time
DROLVI3y3745.M Fri Oct 17 14:02:18 2025

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97029.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 12:00 pm
Operator : claudiab
Sample : ic3745-400
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 139 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:02:04 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Wed Oct 15 06:29:56 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.124min 5.393 PPM m

response 347709577

(+) = Expected Retention Time
DROLVI3y3745.M Fri Oct 17 14:02:23 2025

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97037.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 2:39 pm
Operator : claudiab
Sample : ic3745-1
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 131 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:52:59 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Fri Oct 17 14:07:02 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
Target Compounds			
1) H TPH-DRO	3.600	40988050	2.736 PPM

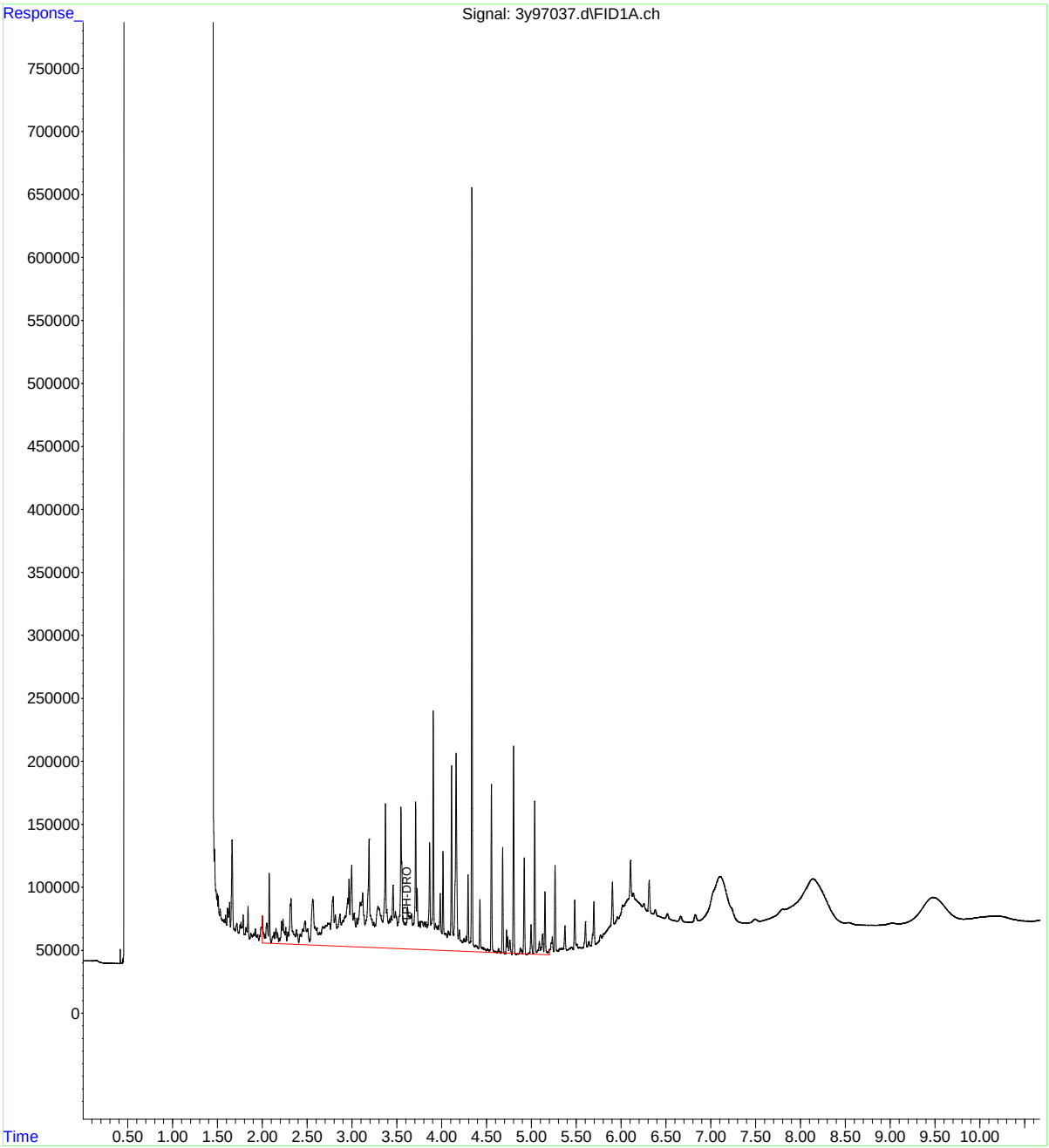
(f)=RT Delta > 1/2 Window (m)=manual int.

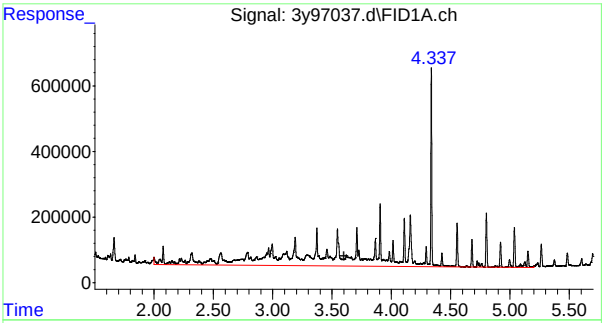
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97037.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 2:39 pm
Operator : claudiab
Sample : ic3745-1
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 131 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 17 14:52:59 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Fri Oct 17 14:07:02 2025
Response via : Initial Calibration
Integrator: ChemStation

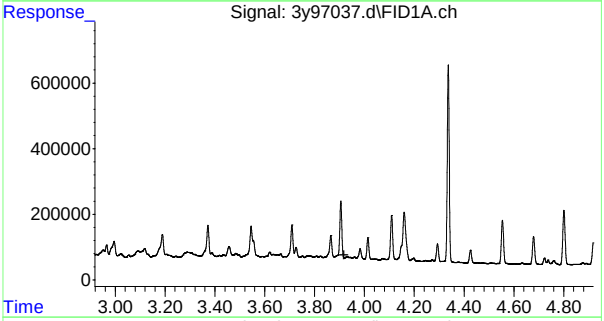
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





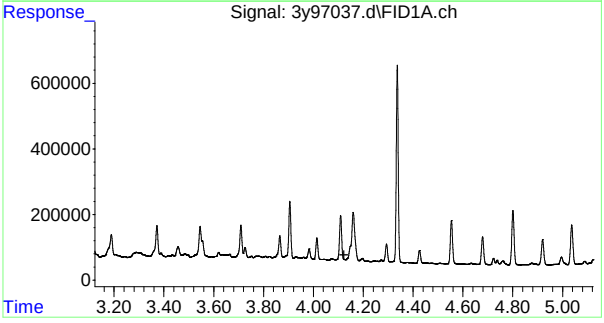
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 40988050
Conc: 2.74 PPM



#6 o-TERPHENYL

R.T.: 0.000 min
Exp R.T. : 3.918 min
Response: 0
Conc: N.D.



#7 5a-ANDROSTANE

R.T.: 0.000 min
Exp R.T. : 4.123 min
Response: 0
Conc: N.D.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97039.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 3:19 pm
Operator : claudiab
Sample : icv3745-40
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 142 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 18 23:07:04 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:06:51 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
Target Compounds			
1) H TPH-DRO	3.600	1613162091	46.895 PPM

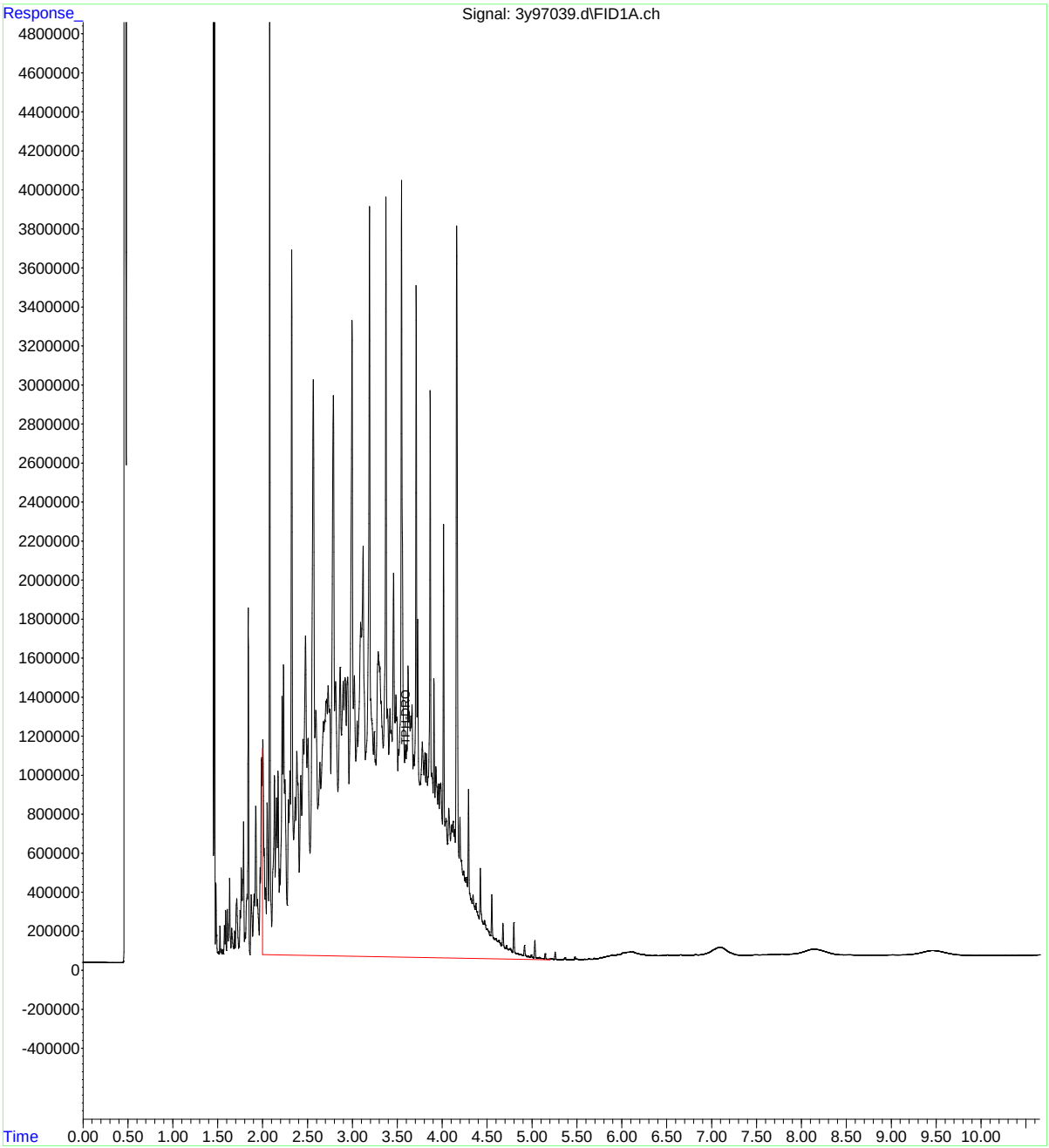
(f)=RT Delta > 1/2 Window (m)=manual int.

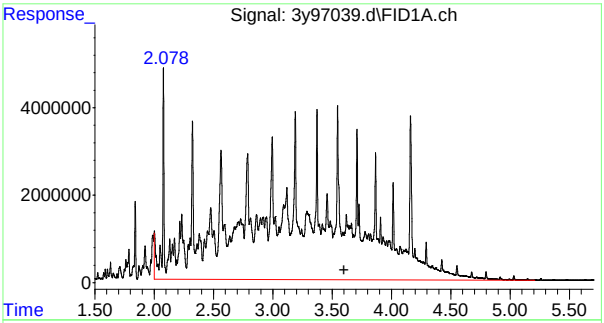
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\g3y3745\
Data File : 3y97039.d
Signal(s) : FID1A.ch
Acq On : 17 Oct 2025 3:19 pm
Operator : claudiab
Sample : icv3745-40
Misc : op68028,g3y3745,5.0,,,10,1
ALS Vial : 142 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 18 23:07:04 2025
Quant Method : C:\msdchem\1\methods\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:06:51 2025
Response via : Initial Calibration
Integrator: ChemStation

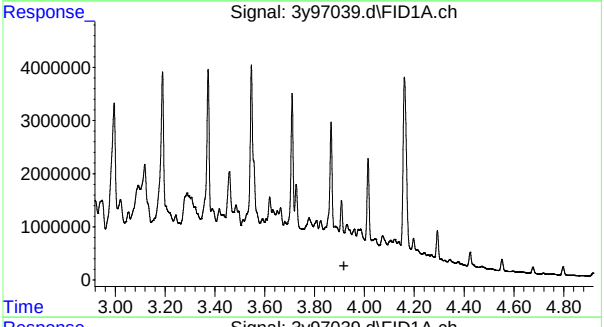
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





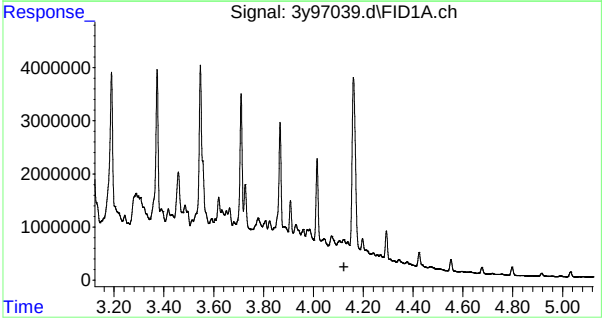
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 1613162091
Conc: 46.89 PPM



#6 o-TERPHENYL

R.T.: 0.000 min
Exp R.T. : 3.918 min
Response: 0
Conc: N.D.



#7 5a-ANDROSTANE

R.T.: 0.000 min
Exp R.T. : 4.123 min
Response: 0
Conc: N.D.

Manual Integrations APPROVED (compounds with "m" flag)
Rebecca Krug
10/20/25 21:13

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97091.d
Signal(s) : FID1A.ch
Acq On : 18 Oct 2025 5:45 pm
Operator : rebeccak
Sample : cc3745-20
Misc : op68193,g3y3747,55.0,,,2,1
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:27:23 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
6) S o-TERPHENYL	3.906	19670936	0.436	PPM	m
Spiked Amount 50.000		Recovery = 0.87%			
7) S 5a-ANDROSTANE	4.110	17297940	0.436	PPM	m
Spiked Amount 50.000		Recovery = 0.87%			
Target Compounds					
1) H TPH-DRO	3.600	722004125	20.989	PPM	

(f)=RT Delta > 1/2 Window (m)=manual int.

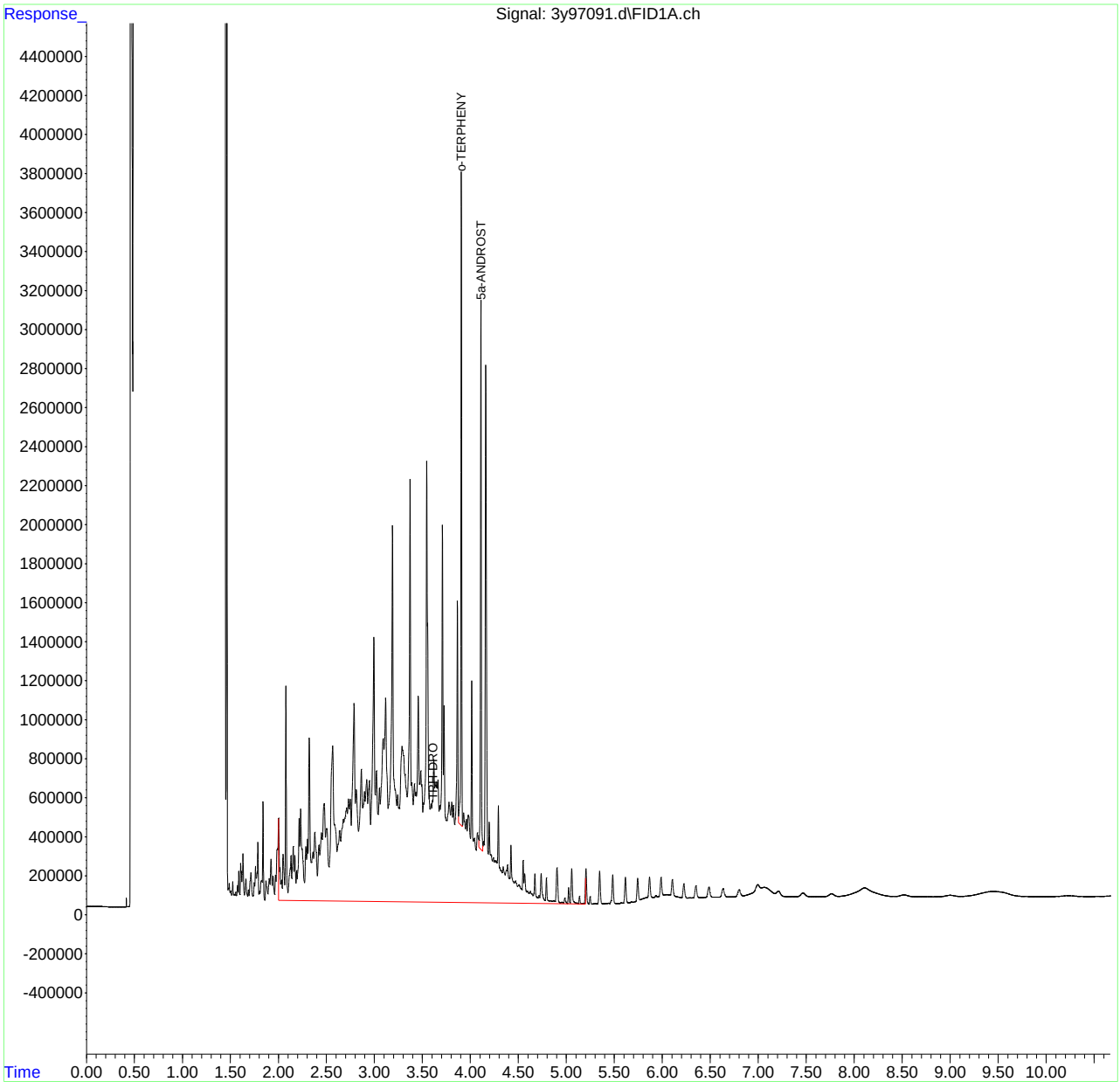
11.4.11
11

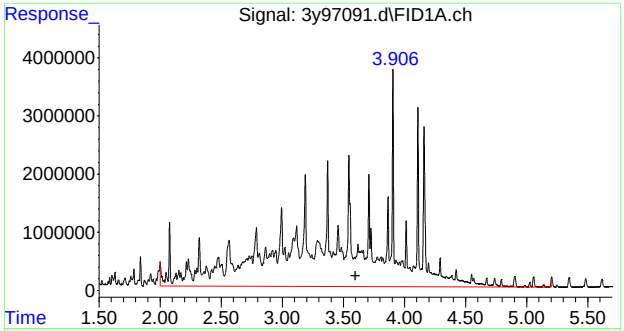
Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97091.d
Signal(s) : FID1A.ch
Acq On : 18 Oct 2025 5:45 pm
Operator : rebeccak
Sample : cc3745-20
Misc : op68193,g3y3747,55.0,,,2,1
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:27:23 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

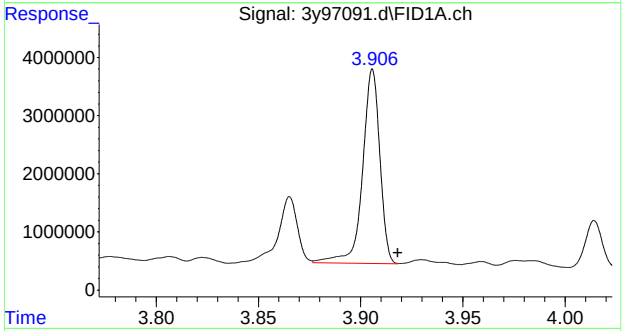
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





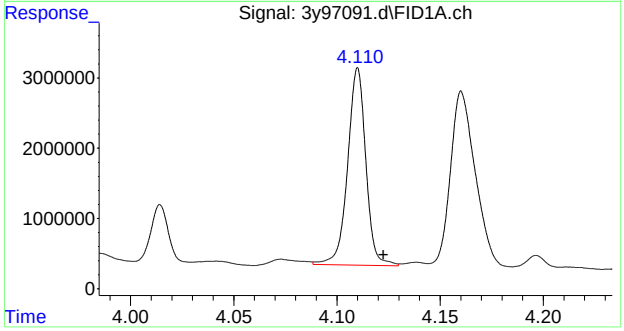
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 722004125
Conc: 20.99 PPM



#6 o-TERPHENYL

R.T.: 3.906 min
Delta R.T.: -0.012 min
Response: 19670936
Conc: 0.44 PPM m



#7 5a-ANDROSTANE

R.T.: 4.110 min
Delta R.T.: -0.013 min
Response: 17297940
Conc: 0.44 PPM m

Manual Integration Approval Summary

Sample Number: G3Y3747-CC3745
Lab FileID: 3Y97091.D
Injection Time: 10/18/25 17:45
Method: SW846 8015D
Analyst approved: 10/20/25 15:45 Maria Benavides
Supervisor approved: 10/20/25 21:13 Rebecca Krug

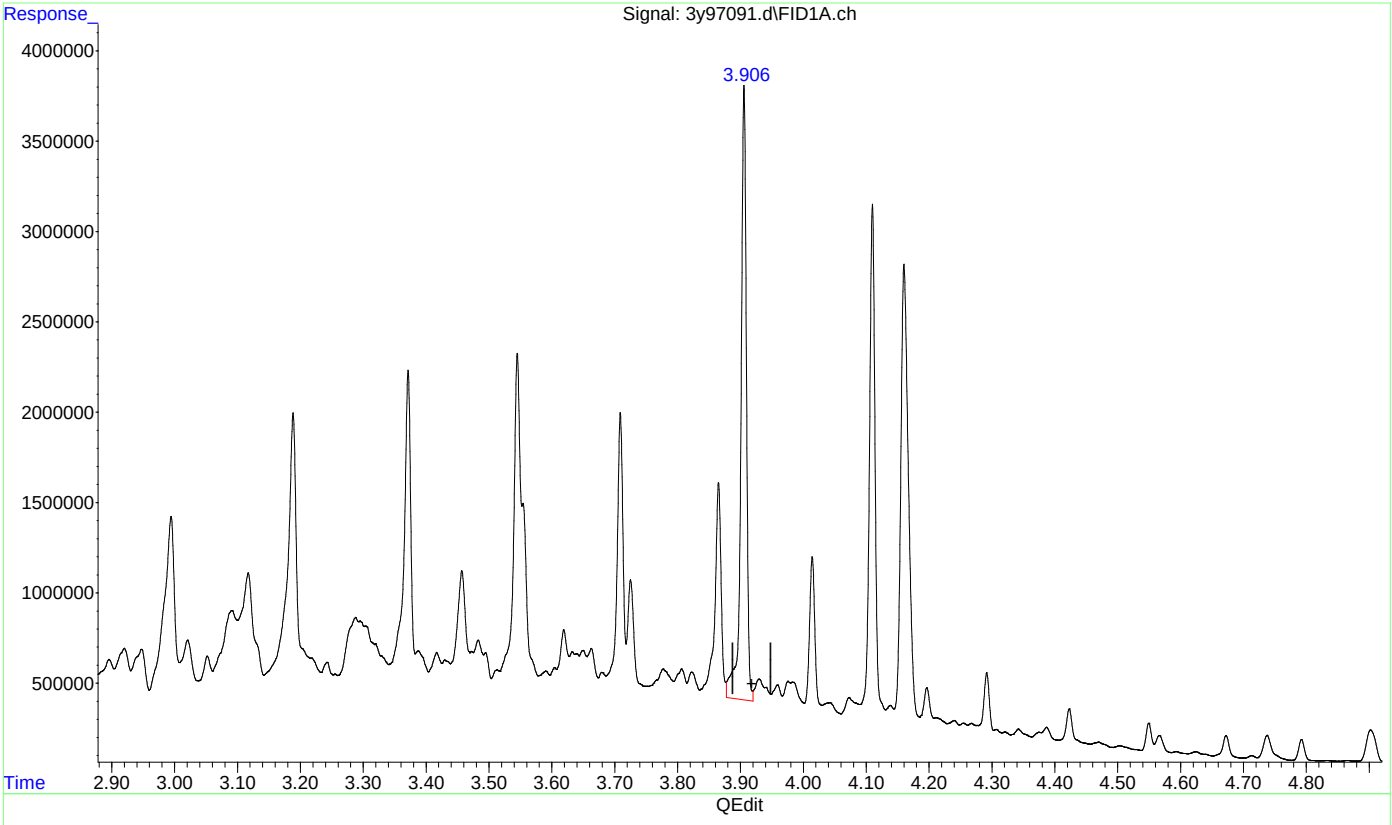
Parameter	CAS	Sig#	R.T. (min.)	Reason
o-Terphenyl	84-15-1	1	3.91	Poorly defined baseline
5a-Androstane	438-22-2	1	4.11	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97091.d
Signal(s) : FID1A.ch
Acq On : 18 Oct 2025 5:45 pm
Operator : rebeccak
Sample : cc3745-20
Misc : op68193,g3y3747,55.0,,,2,1
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:04:09 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.906min 0.464 PPM

response 20931535

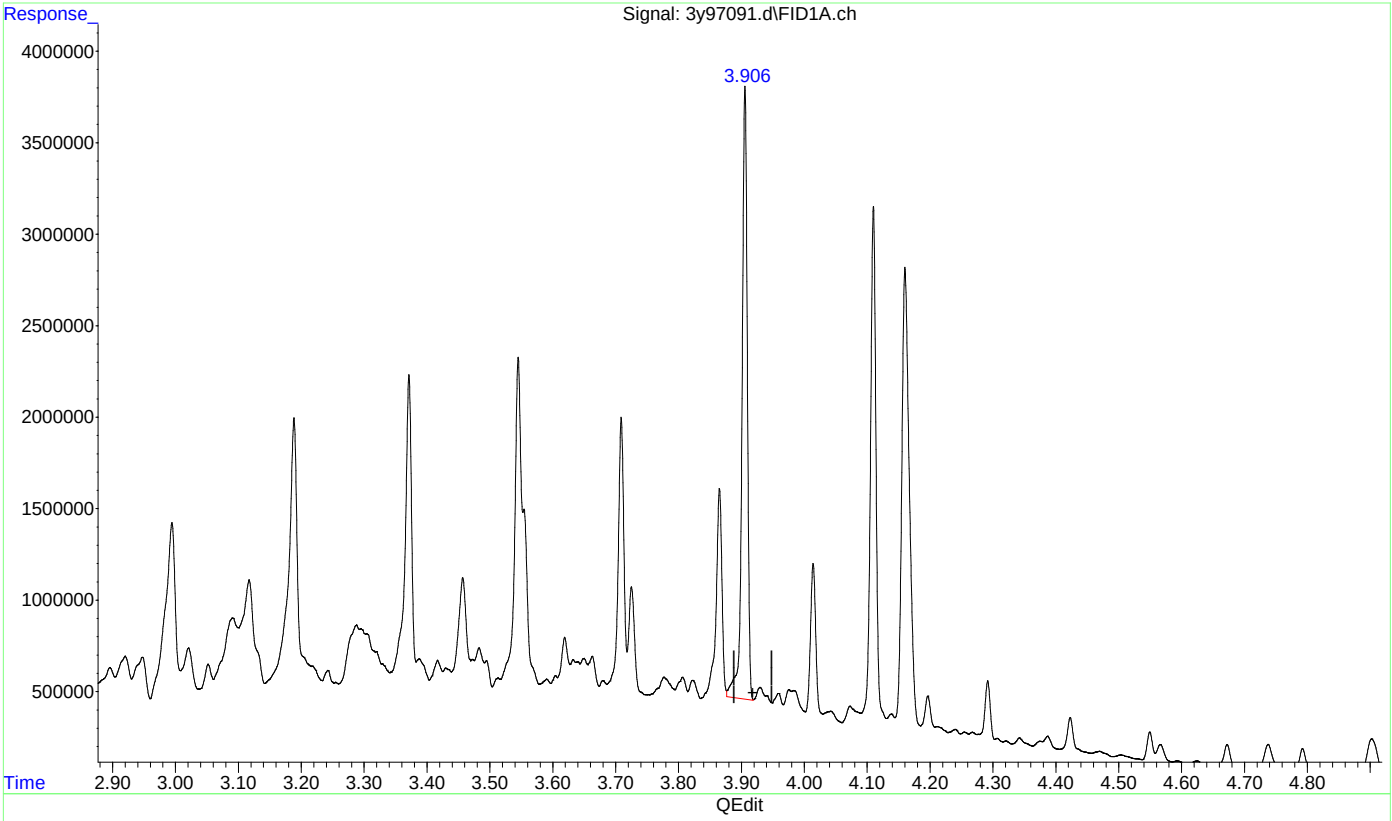
(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 16:26:51 2025

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97091.d
Signal(s) : FID1A.ch
Acq On : 18 Oct 2025 5:45 pm
Operator : rebeccak
Sample : cc3745-20
Misc : op68193,g3y3747,55.0,,,2,1
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:04:09 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.906min 0.436 PPM m

response 19670936

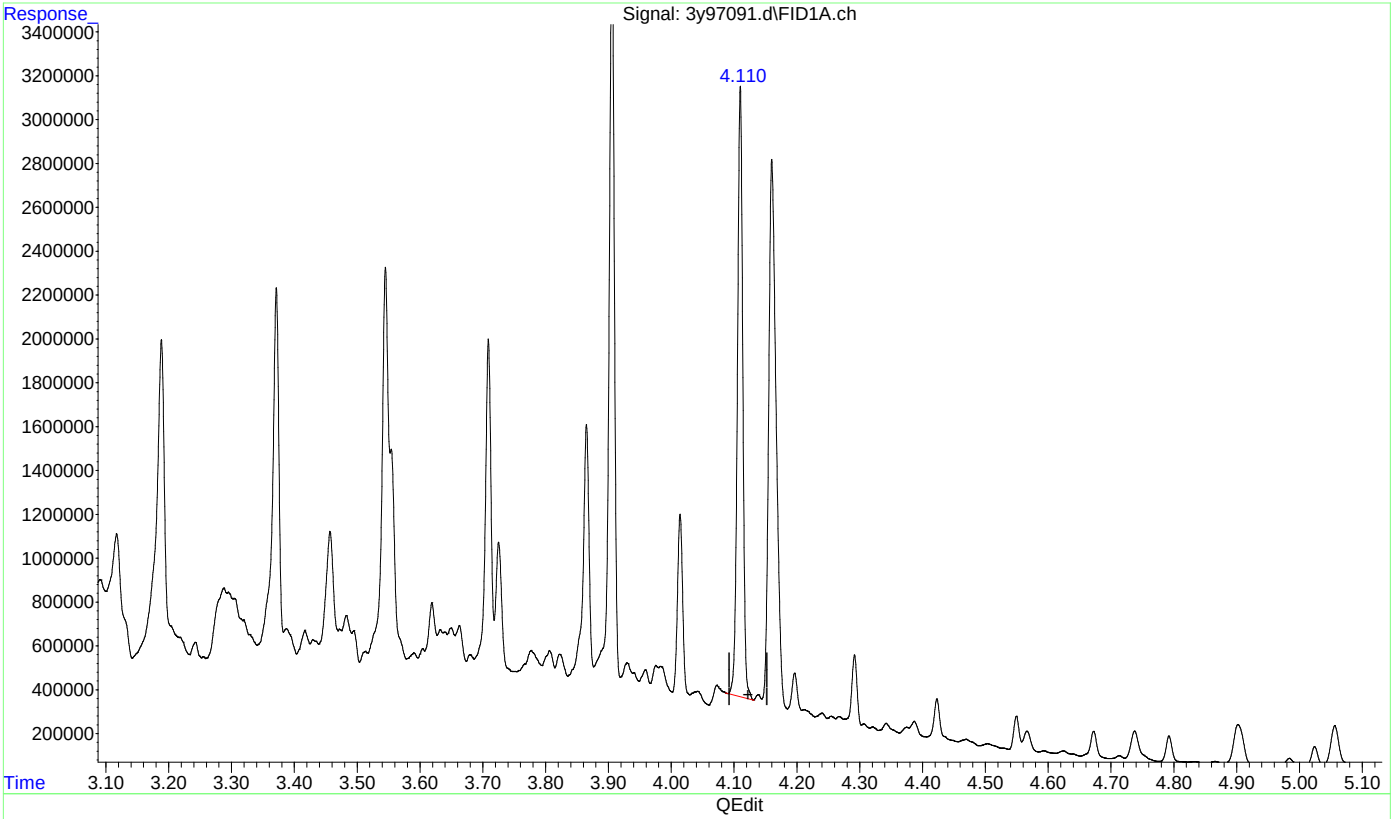
(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 16:27:07 2025

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97091.d
Signal(s) : FID1A.ch
Acq On : 18 Oct 2025 5:45 pm
Operator : rebeccak
Sample : cc3745-20
Misc : op68193,g3y3747,55.0,,,2,1
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:04:09 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.110min 0.415 PPM

response 16476043

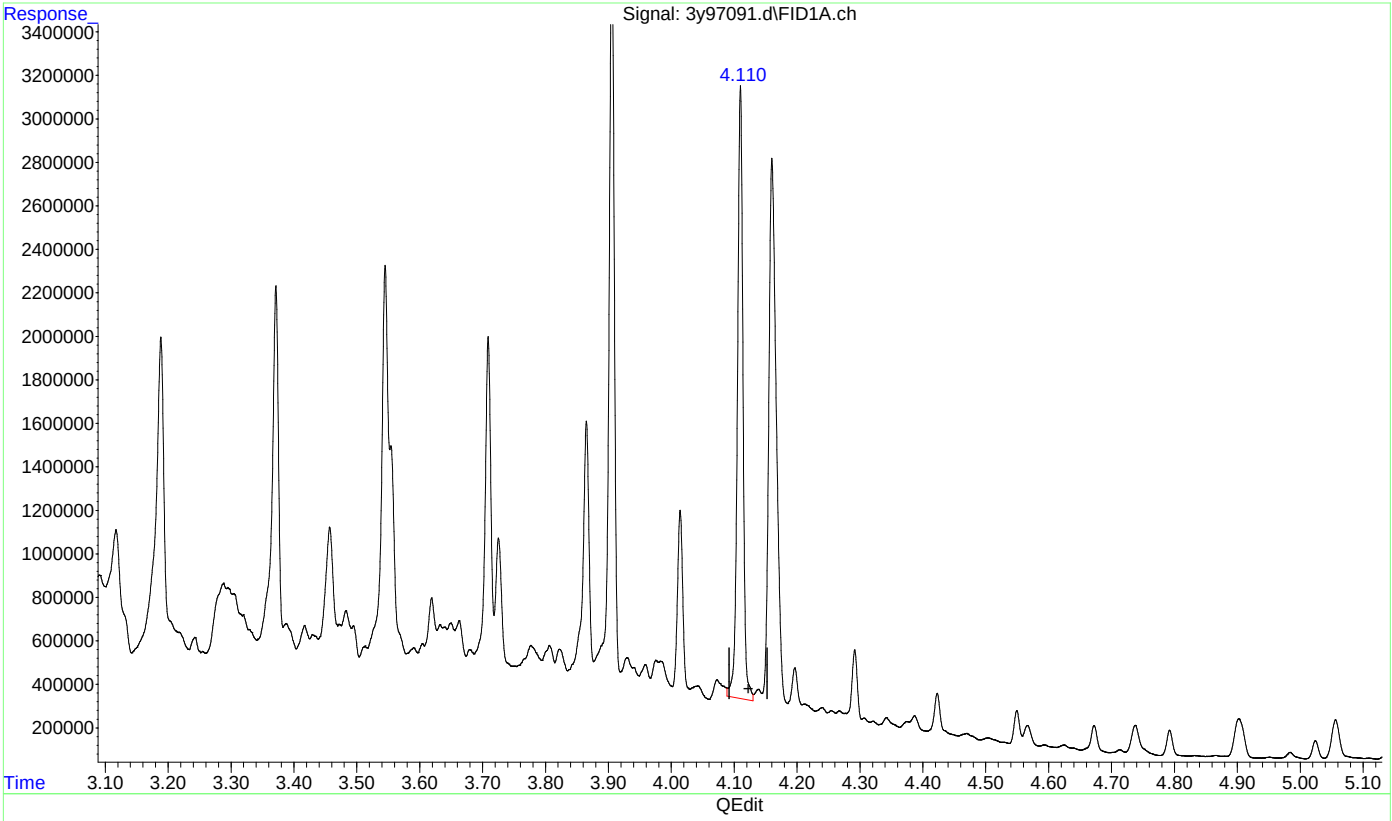
(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 16:27:12 2025

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97091.d
Signal(s) : FID1A.ch
Acq On : 18 Oct 2025 5:45 pm
Operator : rebeccak
Sample : cc3745-20
Misc : op68193,g3y3747,55.0,,,2,1
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:04:09 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.110min 0.436 PPM m

response 17297940

(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 16:27:27 2025

Manual Integrations APPROVED (compounds with "m" flag)
Rebecca Krug
10/20/25 21:13

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97102.d
Signal(s) : FID1A.ch
Acq On : 18 Oct 2025 9:21 pm
Operator : rebeccak
Sample : cc3745-40
Misc : op68257,g3y3747,55.0,,,2,1
ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:56:40 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
6) S o-TERPHENYL	3.906	41601627	0.923 PPM m
Spiked Amount 50.000		Recovery =	1.85%
7) S 5a-ANDROSTANE	4.111	36467157	0.920 PPM m
Spiked Amount 50.000		Recovery =	1.84%
Target Compounds			
1) H TPH-DRO	3.600	1509681353	43.886 PPM

(f)=RT Delta > 1/2 Window (m)=manual int.

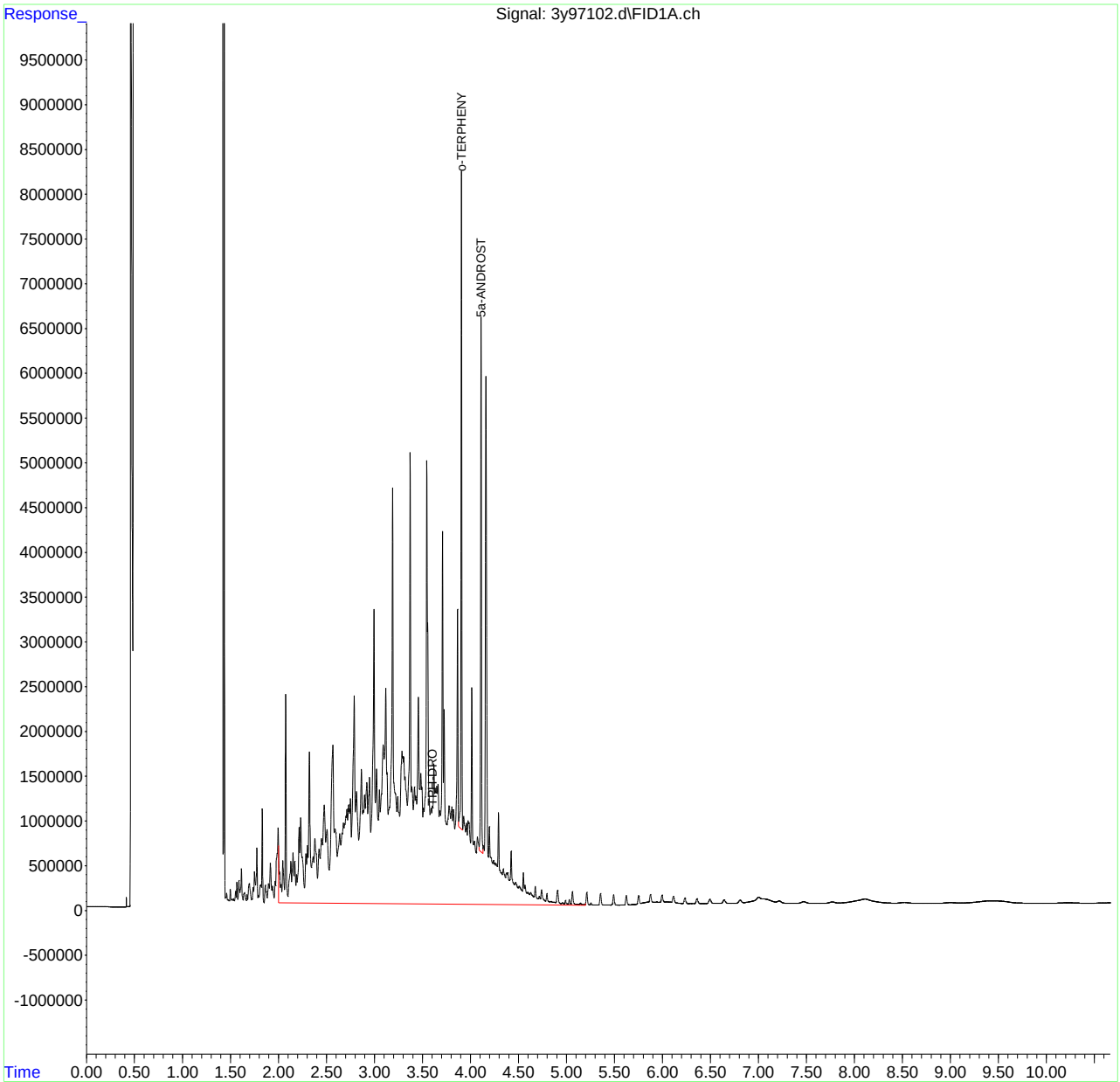
11.4.12
11

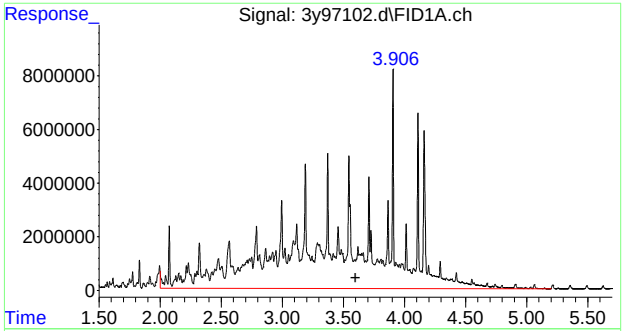
Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97102.d
Signal(s) : FID1A.ch
Acq On : 18 Oct 2025 9:21 pm
Operator : rebeccak
Sample : cc3745-40
Misc : op68257,g3y3747,55.0,,,2,1
ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:56:40 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

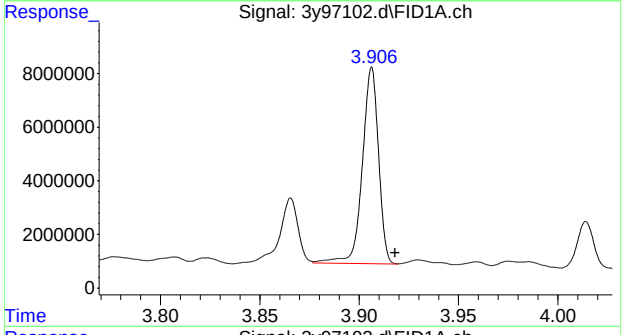
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





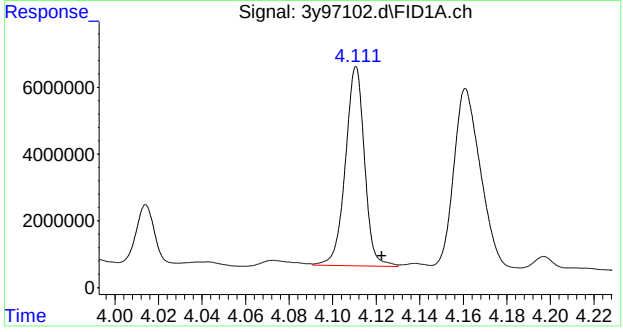
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 1509681353
Conc: 43.89 PPM



#6 o-TERPHENYL

R.T.: 3.906 min
Delta R.T.: -0.012 min
Response: 41601627
Conc: 0.92 PPM m



#7 5a-ANDROSTANE

R.T.: 4.111 min
Delta R.T.: -0.012 min
Response: 36467157
Conc: 0.92 PPM m

Manual Integration Approval Summary

Sample Number: G3Y3747-CC3745
Lab FileID: 3Y97102.D
Injection Time: 10/18/25 21:21
Method: SW846 8015D
Analyst approved: 10/20/25 15:45 Maria Benavides
Supervisor approved: 10/20/25 21:13 Rebecca Krug

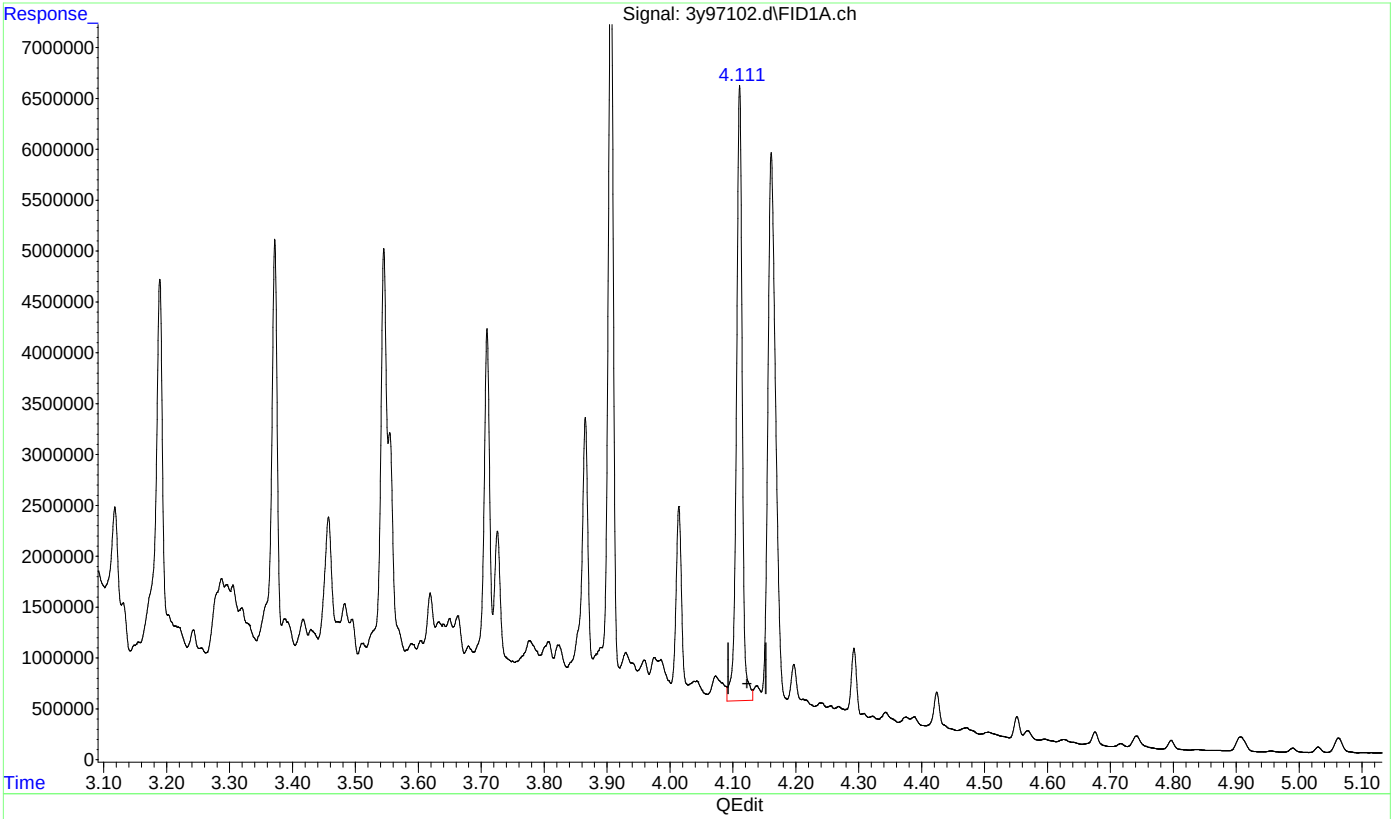
Parameter	CAS	Sig#	R.T. (min.)	Reason
o-Terphenyl	84-15-1	1	3.91	Poorly defined baseline
5a-Androstane	438-22-2	1	4.11	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97102.d
Signal(s) : FID1A.ch
Acq On : 18 Oct 2025 9:21 pm
Operator : rebeccak
Sample : cc3745-40
Misc : op68257,g3y3747,55.0,,,2,1
ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:05:00 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.111min 0.967 PPM

response 38337341

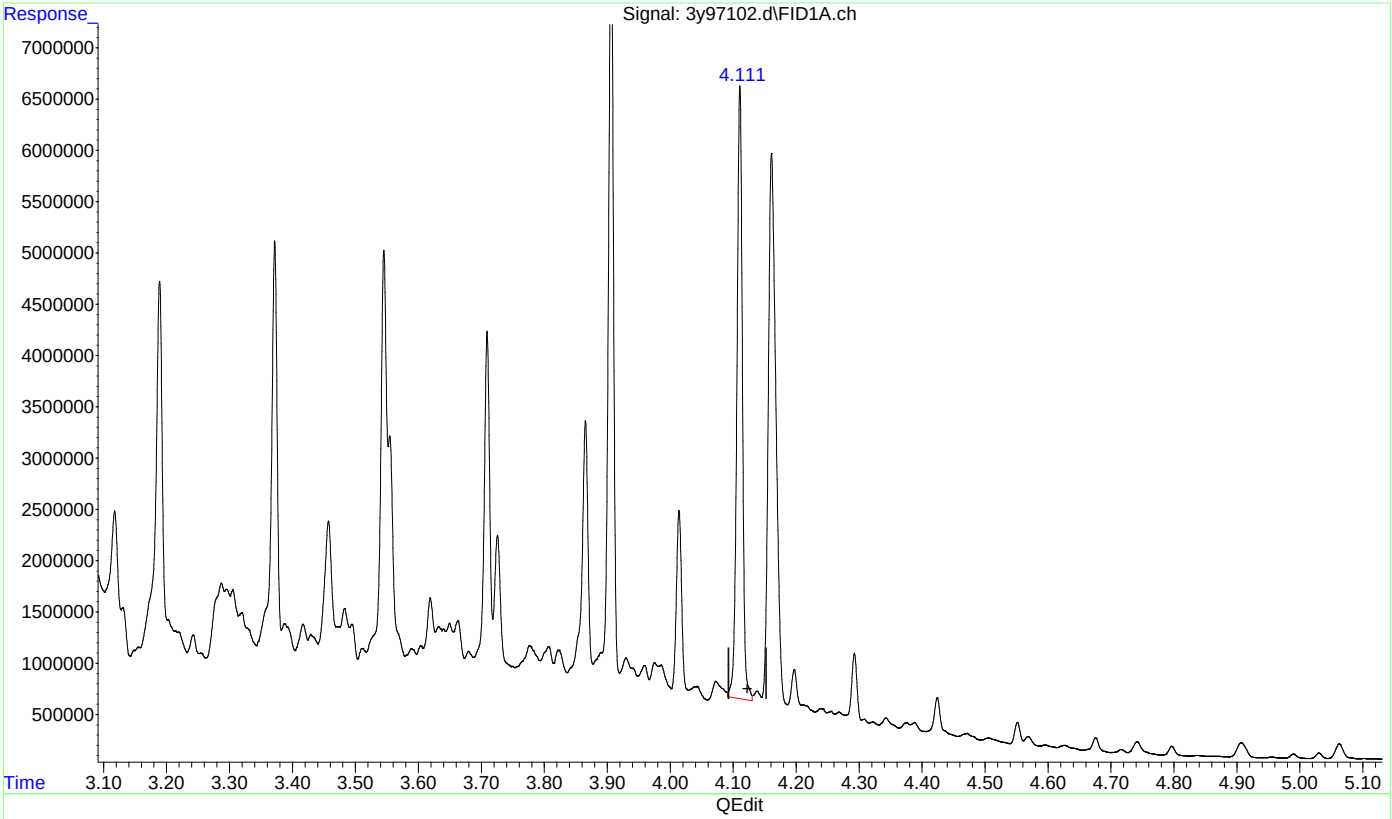
(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 16:56:16 2025

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97102.d
Signal(s) : FID1A.ch
Acq On : 18 Oct 2025 9:21 pm
Operator : rebeccak
Sample : cc3745-40
Misc : op68257,g3y3747,55.0,,,2,1
ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:05:00 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.111min 0.920 PPM m

response 36467157

(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 16:56:43 2025

Manual Integrations APPROVED
(compounds with "m" flag)
Rebecca Krug
10/20/25 21:13

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97113.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 1:11 am
Operator : rebeccak
Sample : cc3745-20
Misc : op68257,g3y3747,55.0,,,2,1
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 17:15:16 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
6) S o-TERPHENYL	3.903f	20818291	0.462	PPM	m
Spiked Amount 50.000		Recovery = 0.92%			
7) S 5a-ANDROSTANE	4.107f	17953858	0.453	PPM	m
Spiked Amount 50.000		Recovery = 0.91%			
Target Compounds					
1) H TPH-DRO	3.600	759906639	22.090	PPM	

(f)=RT Delta > 1/2 Window (m)=manual int.

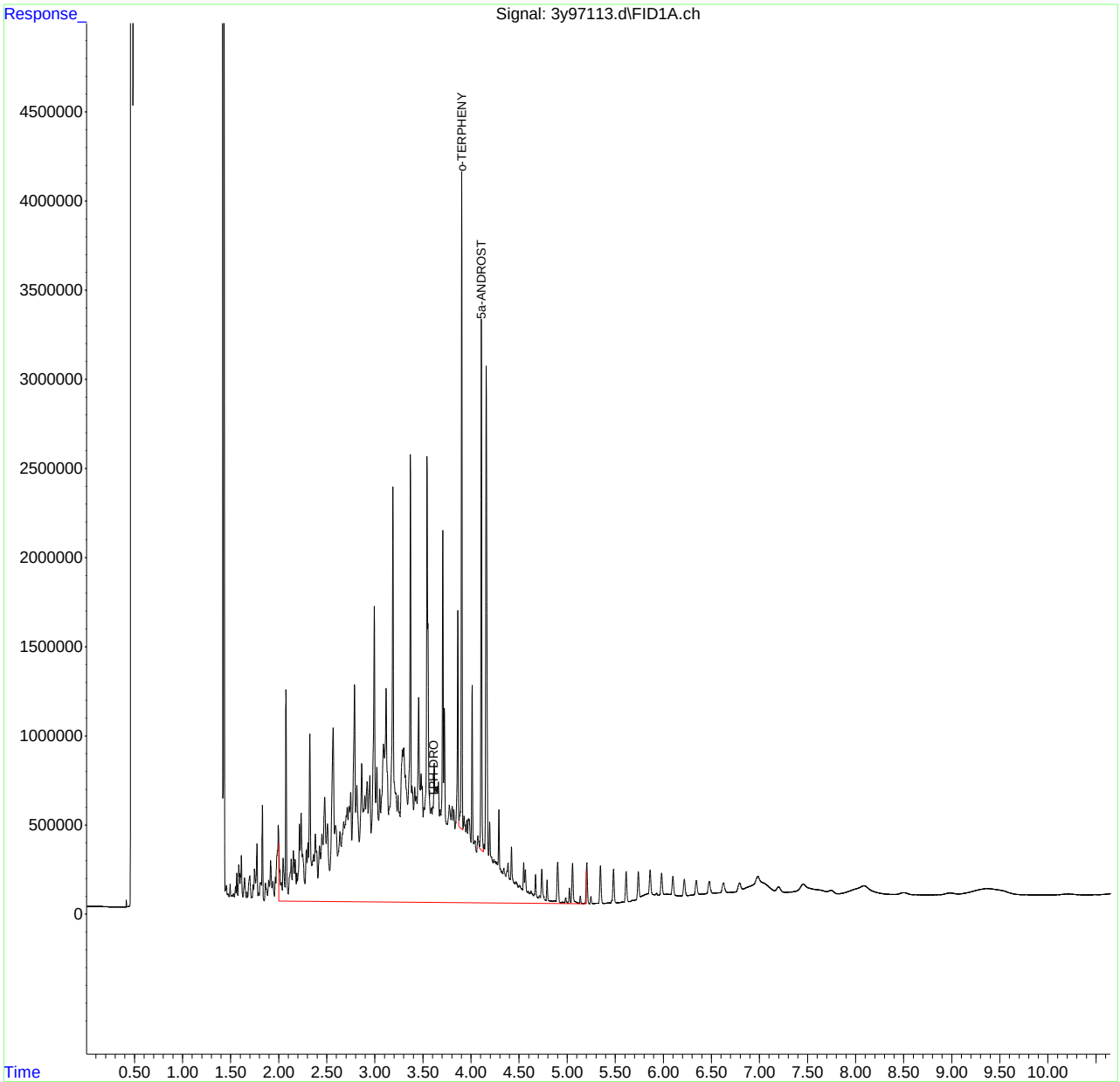
11.4.13 11

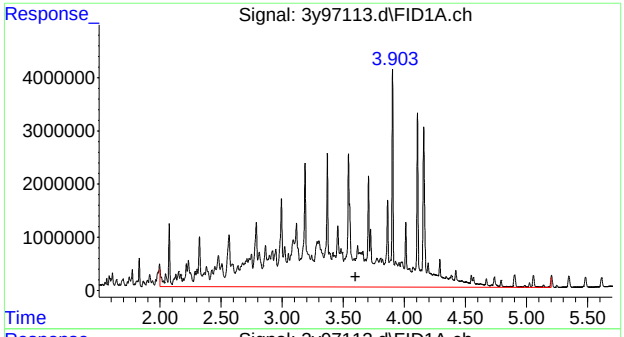
Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97113.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 1:11 am
Operator : rebeccak
Sample : cc3745-20
Misc : op68257,g3y3747,55.0,,,2,1
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 17:15:16 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

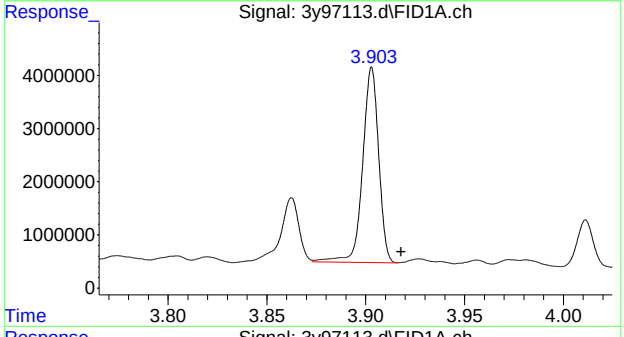
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





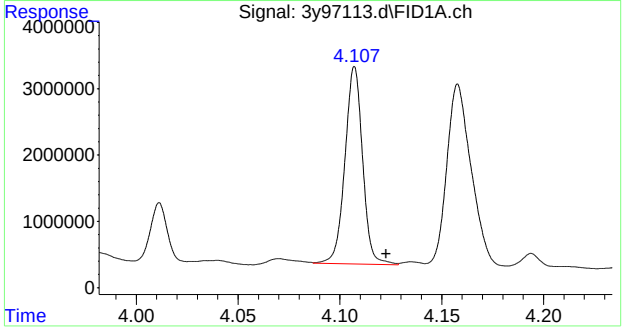
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 759906639
Conc: 22.09 PPM



#6 o-TERPHENYL

R.T.: 3.903 min
Delta R.T.: -0.015 min
Response: 20818291
Conc: 0.46 PPM m



#7 5a-ANDROSTANE

R.T.: 4.107 min
Delta R.T.: -0.016 min
Response: 17953858
Conc: 0.45 PPM m

Manual Integration Approval Summary

Sample Number: G3Y3747-CC3745
Lab FileID: 3Y97113.D
Injection Time: 10/19/25 01:11
Method: SW846 8015D
Analyst approved: 10/20/25 15:45 Maria Benavides
Supervisor approved: 10/20/25 21:13 Rebecca Krug

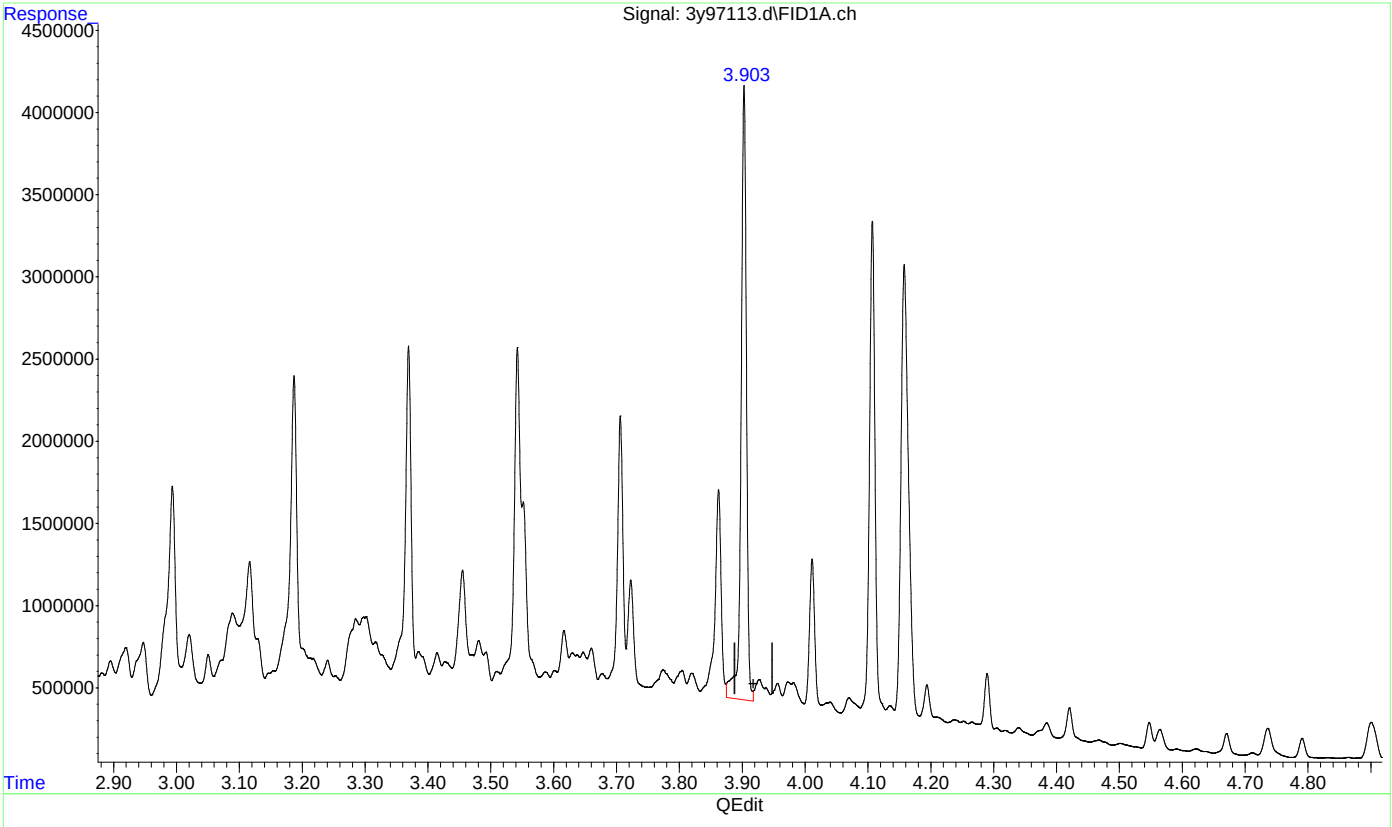
Parameter	CAS	Sig#	R.T. (min.)	Reason
o-Terphenyl	84-15-1	1	3.90	Poorly defined baseline
5a-Androstane	438-22-2	1	4.11	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97113.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 1:11 am
Operator : rebeccak
Sample : cc3745-20
Misc : op68257,g3y3747,55.0,,,2,1
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:05:50 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.903min 0.490 PPM

response 22114199

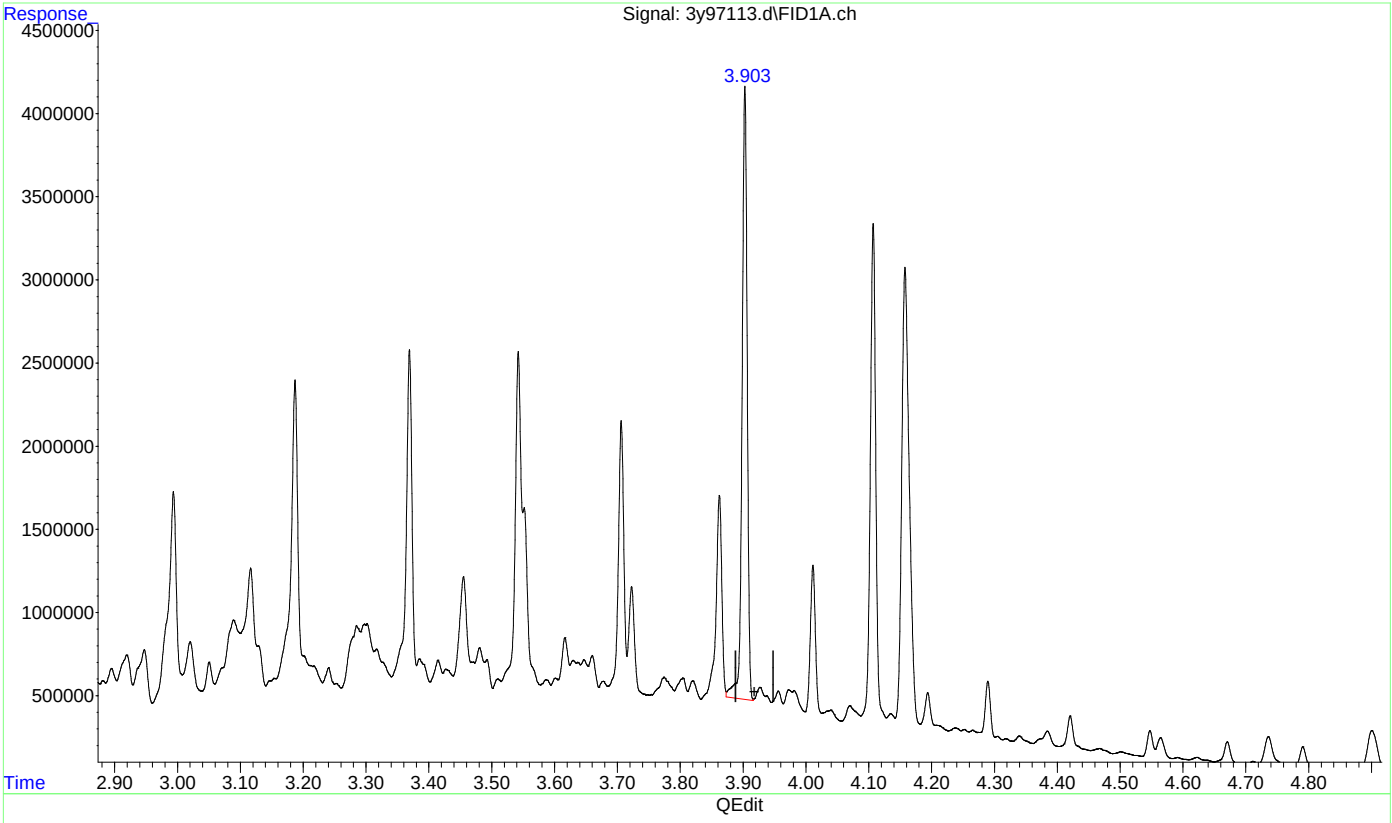
(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 17:14:38 2025

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97113.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 1:11 am
Operator : rebeccak
Sample : cc3745-20
Misc : op68257,g3y3747,55.0,,,2,1
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:05:50 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.903min 0.462 PPM m

response 20818291

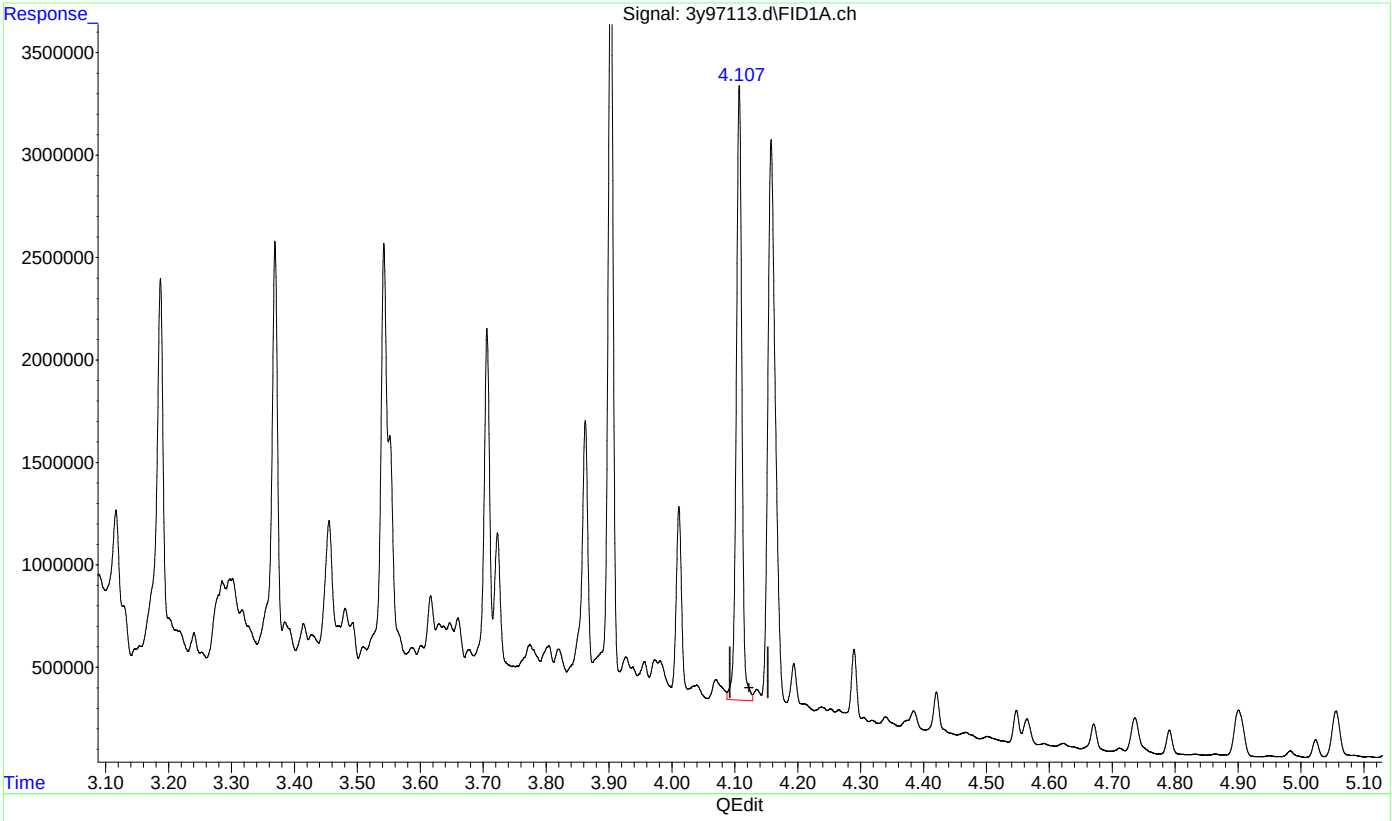
(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 17:15:00 2025

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97113.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 1:11 am
Operator : rebeccak
Sample : cc3745-20
Misc : op68257,g3y3747,55.0,,,2,1
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:05:50 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.107min 0.465 PPM

response 18432938

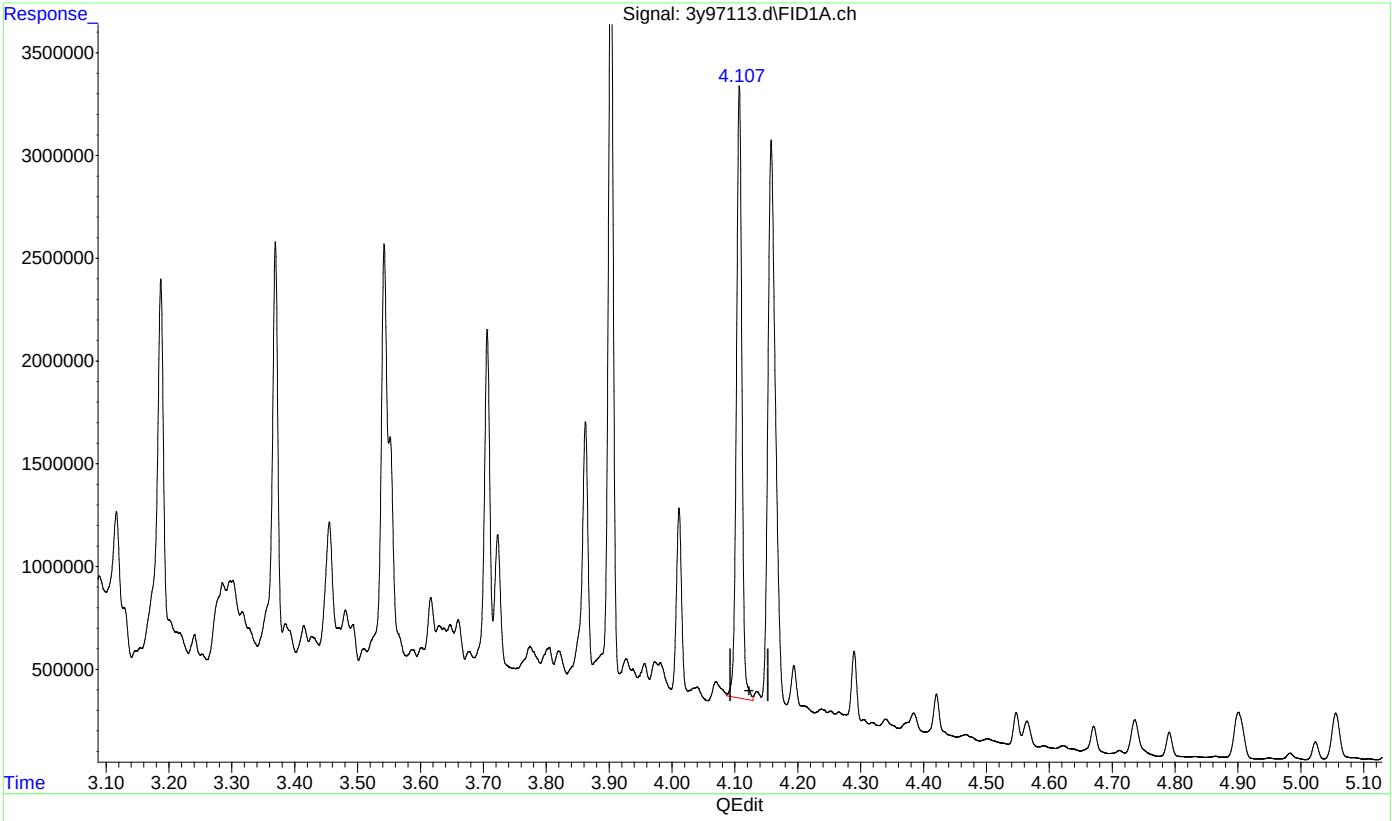
(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 17:15:04 2025

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97113.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 1:11 am
Operator : rebeccak
Sample : cc3745-20
Misc : op68257,g3y3747,55.0,,,2,1
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:05:50 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.107min 0.453 PPM m

response 17953858

(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 17:15:18 2025

Manual Integrations APPROVED
(compounds with "m" flag)
Rebecca Krug
10/20/25 21:13

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97124.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 4:48 am
Operator : rebeccak
Sample : cc3745-40
Misc : op68149,g3y3747,55.0,,,2,1
ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 17:30:46 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
6) S o-TERPHENYL	3.903	45552869	1.010	PPM	m
Spiked Amount 50.000		Recovery = 2.02%			
7) S 5a-ANDROSTANE	4.107f	39800088	1.004	PPM	m
Spiked Amount 50.000		Recovery = 2.01%			
Target Compounds					
1) H TPH-DRO	3.600	1645191356	47.826	PPM	

(f)=RT Delta > 1/2 Window (m)=manual int.

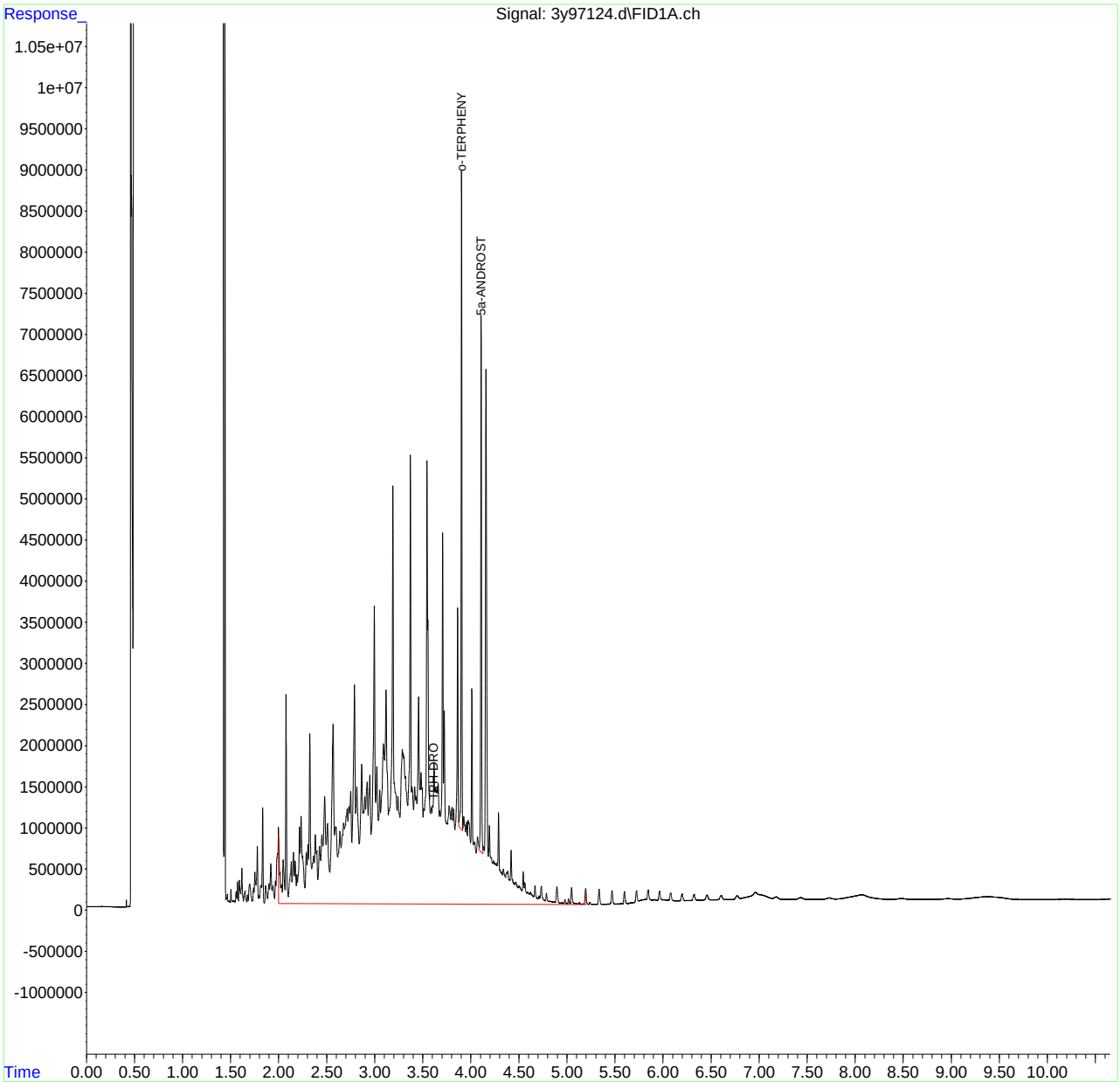
11.4.14
11

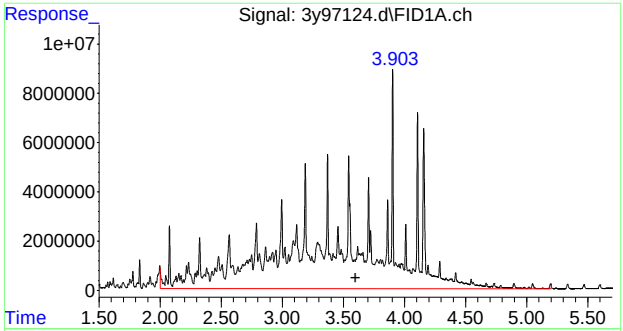
Quantitation Report (QT Reviewed)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97124.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 4:48 am
Operator : rebeccak
Sample : cc3745-40
Misc : op68149,g3y3747,55.0,,,2,1
ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 17:30:46 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

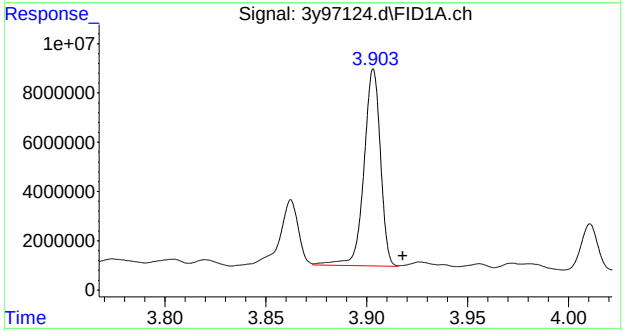
Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID





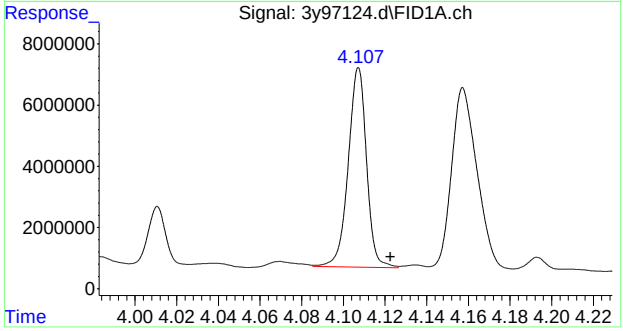
#1 TPH-DRO

R.T.: 3.600 min
Delta R.T.: 0.000 min
Response: 1645191356
Conc: 47.83 PPM



#6 o-TERPHENYL

R.T.: 3.903 min
Delta R.T.: -0.015 min
Response: 45552869
Conc: 1.01 PPM m



#7 5a-ANDROSTANE

R.T.: 4.107 min
Delta R.T.: -0.016 min
Response: 39800088
Conc: 1.00 PPM m

Manual Integration Approval Summary

Sample Number: G3Y3747-CC3745
Lab FileID: 3Y97124.D
Injection Time: 10/19/25 04:48
Method: SW846 8015D
Analyst approved: 10/20/25 15:45 Maria Benavides
Supervisor approved: 10/20/25 21:13 Rebecca Krug

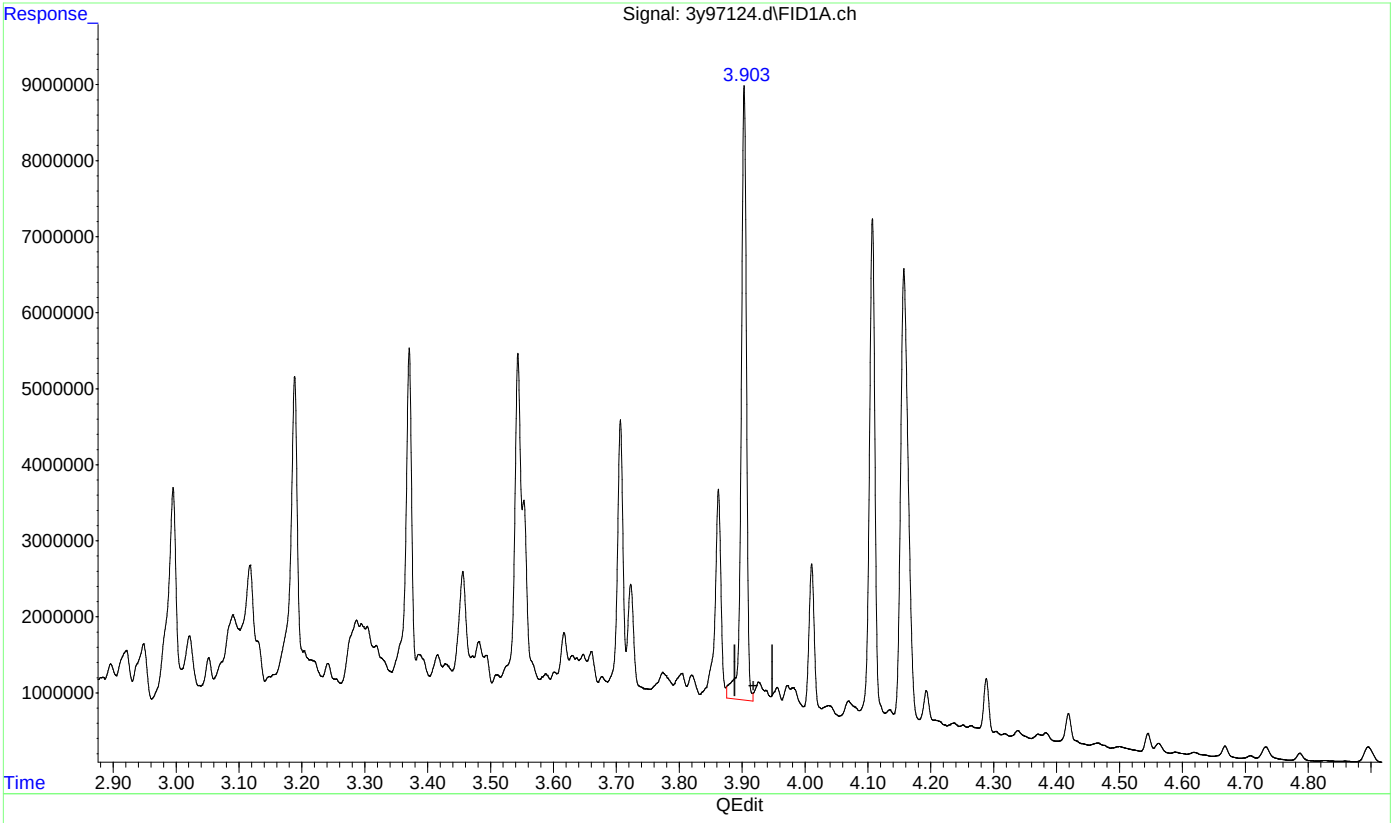
Parameter	CAS	Sig#	R.T. (min.)	Reason
o-Terphenyl	84-15-1	1	3.90	Poorly defined baseline
5a-Androstane	438-22-2	1	4.11	Poorly defined baseline

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97124.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 4:48 am
Operator : rebeccak
Sample : cc3745-40
Misc : op68149,g3y3747,55.0,,,2,1
ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:06:40 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.903min 1.052 PPM

response 47445996

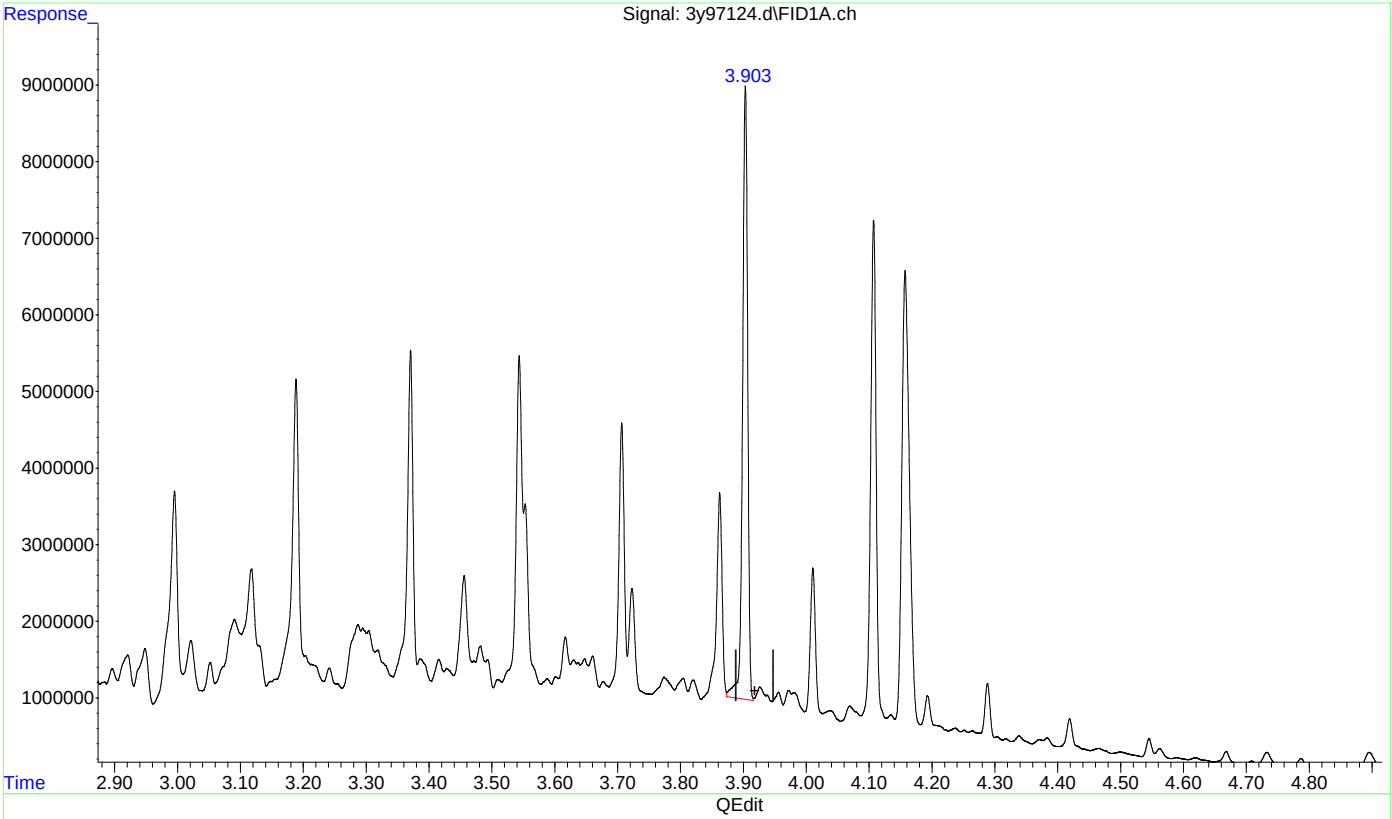
(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 17:29:39 2025

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97124.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 4:48 am
Operator : rebeccak
Sample : cc3745-40
Misc : op68149,g3y3747,55.0,,,2,1
ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:06:40 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(6) o-TERPHENYL (S)

3.903min 1.010 PPM m

response 45552869

(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 17:30:19 2025

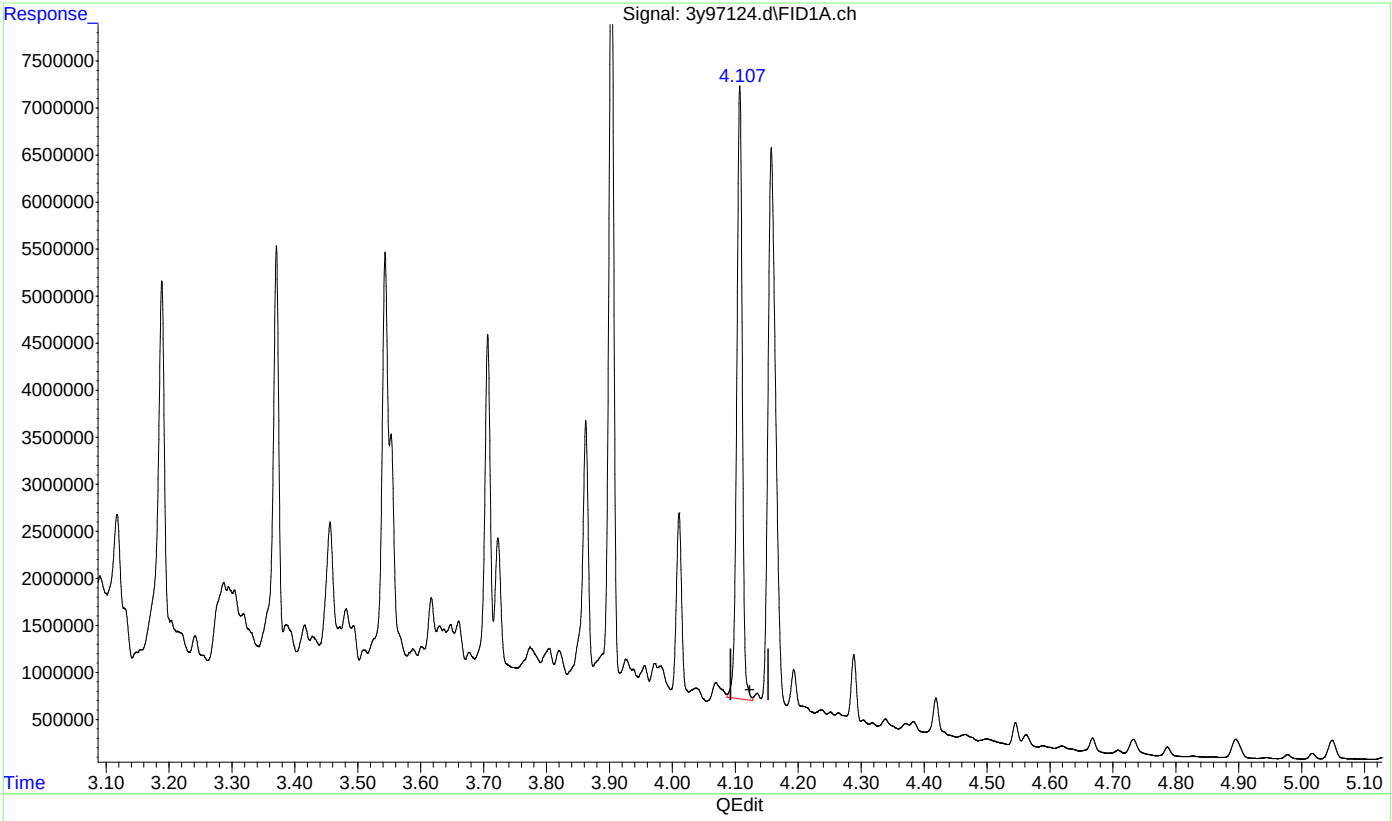
11.4.14.3
11

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97124.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 4:48 am
Operator : rebeccak
Sample : cc3745-40
Misc : op68149,g3y3747,55.0,,,2,1
ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:06:40 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.107min 0.997 PPM

response 39541004

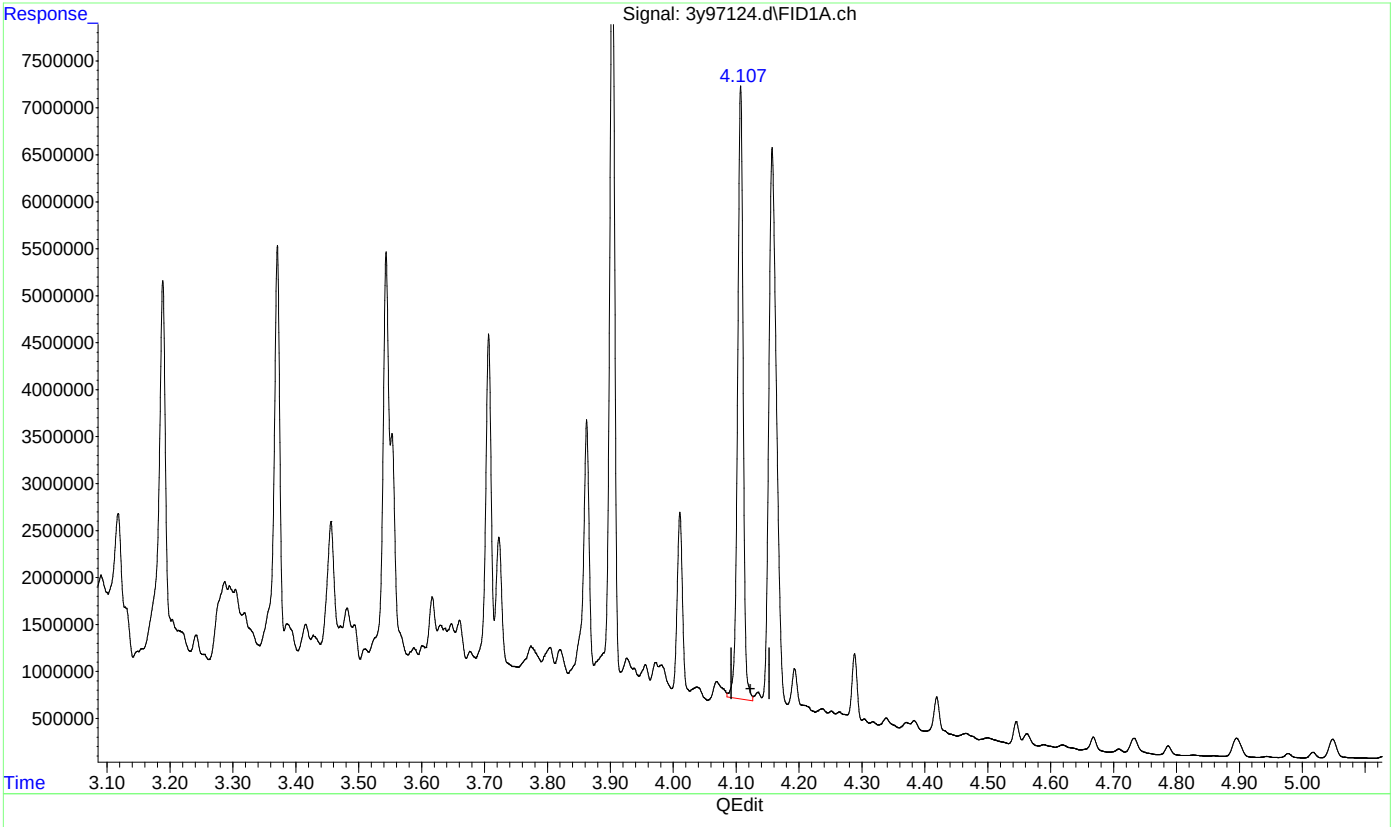
(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 17:30:35 2025

Quantitation Report (Qedit)

Data Path : X:\Dayton SVOA GC\8. GC Members\MariaB\
Data File : 3y97124.d
Signal(s) : FID1A.ch
Acq On : 19 Oct 2025 4:48 am
Operator : rebeccak
Sample : cc3745-40
Misc : op68149,g3y3747,55.0,,,2,1
ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 20 16:06:40 2025
Quant Method : X:\Dayton SVOA GC\8. GC Members\MariaB\DROLVI3y3745.M
Quant Title : GCTPHS
QLast Update : Sat Oct 18 23:08:00 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : ZB-5
Signal Info : .25 mm ID



(7) 5a-ANDROSTANE (S)

4.107min 1.004 PPM m

response 39800088

(+) = Expected Retention Time
DROLVI3y3745.M Mon Oct 20 17:30:49 2025

SEMIVOLATILE by GC ANALYSIS LOG

Date: 10/17/25

Standard Data

Lot#	Description	Concentration
SV25-170A	DRO Standard	20 ppm
SV25-170B	DRO Standard	40 ppm
SV25-148	RT Window	10 ppm
SV25-149	DRO LVI IB	50 ppm
254902	dcm (Fisher)	-
I1416471524	hexane (Supelco)	-

Standard data

Lot#	Description	Concentration
SV24-2992-129	DRO Stock	5000 ppm
SV24-2992-130	DRO Stock (No Surrogate)	2000 ppm
SV24-2992-31	DRO 2nd Source	1000 ppm

Batch ID: g3y3745

Analyst Name: Claudia Baydar

Columns: MXT-5

Method: DRO LVI

Initial Cal. Method: DROLVI3Y3741

Injection Volume: 25ul

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data file	OP Batch, Run ID, Vi,,,Vf, Dil.	SU	Status(data)	Comments
99	hex	3y97018	op68028,g3y3745,5.0,,,10,1		-	
1	ib	3y97019	op68028,g3y3745,5.0,,,10,1		ok	
2	rt	3y97020	op68028,g3y3745,5.0,,,10,1		ok	
131	ic3745-1	3y97021	op68028,g3y3745,5.0,,,10,1		not using	
132	ic3745-2	3y97022	op68028,g3y3745,5.0,,,10,1		ok	
133	ic3745-4	3y97023	op68028,g3y3745,5.0,,,10,1		ok	
134	ic3745-10	3y97024	op68028,g3y3745,5.0,,,10,1		ok	
135	ic3745-20	3y97025	op68028,g3y3745,5.0,,,10,1		ok	
136	ic3745-40	3y97026	op68028,g3y3745,5.0,,,10,1		ok	
137	ic3745-100	3y97027	op68028,g3y3745,5.0,,,10,1		ok	
138	ic3745-200	3y97028	op68028,g3y3745,5.0,,,10,1		ok	
139	ic3745-400	3y97029	op68028,g3y3745,5.0,,,10,1		ok	
140	ic3745-2000	3y97030	op68028,g3y3745,5.0,,,10,1		not using	
141	ic3745-5000	3y97031	op68028,g3y3745,5.0,,,10,1		not using	
142	icv3745-40	3y97032	op68028,g3y3745,5.0,,,10,1		not using	
99	hex	3y97033	op68028,g3y3745,5.0,,,10,1		-	
99	hex	3y97036	op68028,g3y3745,5.0,,,10,1		-	
131	ic3745-1	3y97037	op68028,g3y3745,5.0,,,10,1		ok	
99	hex	3y97038	op68028,g3y3745,5.0,,,10,1		-	
142	icv3745-40	3y97039	op68028,g3y3745,5.0,,,10,1		ok	
99	hex	3y97040	op68028,g3y3745,5.0,,,10,1		-	
99	hex	3y97041	op68028,g3y3745,5.0,,,10,1		-	

SGS

SEMIVOLATILE by GC ANALYSIS LOG

Date: 10/18/25

Standard Data

Lot#	Description	Concentration
SV25-170A	DRO Standard	20 ppm
SV25-170B	DRO Standard	40 ppm
SV25-148	RT Window	10 ppm
SV25-149	DRO LVI IB	50 ppm
254902	dcm (Fisher)	-
I1416471524	hexane (Supelco)	-

Standard data

Lot#	Description	Concentration
SV24-2992-129	DRO Stock	5000 ppm
SV24-2992-130	DRO Stock (No Surrogate)	2000 ppm
SV24-2992-31	DRO 2nd Source	1000 ppm

Batch ID: g3y3747

Analyst Name: Rebecca Krug

Columns: MXT-5

Method: DRO LVI

Initial Cal. Method: DROLVI3Y3745

Injection Volume: 25ul

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data file	OP Batch, Run ID, Vi,,,Vf, Dil.	SU	Status(data)	Comments
99	rinse	3y97077	op68028,g3y3747,5.0,,,10,1		-	
99	rinse	3y97078	op68028,g3y3747,5.0,,,10,1		-	
4	cc3745-40	3y97079	op68028,g3y3747,5.0,,,10,1		ok	
4	cc3745-40	3y97080	op68028,g3y3747,5.0,,,10,1		ok	
2	rt	3y97081	op68028,g3y3747,5.0,,,10,1		ok	
1	ib	3y97082	op68028,g3y3747,5.0,,,10,1		ok	
6	op68193-mb1	3y97083	op68193,g3y3747,51.4,,,2,1		ok	
7	op68193-bs1	3y97084	op68193,g3y3747,50.4,,,2,1		ok	
8	op68193-bsd	3y97085	op68193,g3y3747,51.4,,,2,1		ok	
9	je20971-1	3y97086	op68193,g3y3747,49.8,,,2,1		ok	
10	je20971-2	3y97087	op68193,g3y3747,51.3,,,2,1		ok	
11	je20971-3	3y97088	op68193,g3y3747,50.2,,,2,1		ok	
12	je21082-1	3y97089	op68193,g3y3747,51.2,,,2,1		ok	
99	rinse	3y97090	op68193,g3y3747,55.0,,,2,1		-	
3	cc3745-20	3y97091	op68193,g3y3747,55.0,,,2,1		ok	
1	ib	3y97092	op68193,g3y3747,55.0,,,2,1		ok	
13	je21081-1	3y97093	op68193,g3y3747,52.3,,,2,1		ok	
14	je20904-5	3y97094	op68193,g3y3747,51.4,,,2,1		ok	
15	je21021-1	3y97095	op68193,g3y3747,47.3,,,2,1		ok	
16	je21022-1	3y97096	op68193,g3y3747,51.6,,,2,1		ok	
17	je21023-1	3y97097	op68193,g3y3747,50.1,,,2,1		ok	
18	je21115-1	3y97098	op68193,g3y3747,51.1,,,2,1		ok	
19	op68257-mb1	3y97099	op68257,g3y3747,51.6,,,2,1		ok	
20	op68257-bs1	3y97100	op68257,g3y3747,51.3,,,2,1		ok	
99	rinse	3y97101	op68257,g3y3747,55.0,,,2,1		-	
4	cc3745-40	3y97102	op68257,g3y3747,55.0,,,2,1		ok	
1	ib	3y97103	op68257,g3y3747,55.0,,,2,1		ok	
21	op68257-bsd	3y97104	op68257,g3y3747,51.5,,,2,1		ok	
22	je21034-1	3y97105	op68257,g3y3747,47.2,,,2,1		ok	
23	je21034-6	3y97106	op68257,g3y3747,58.1,,,2,1		ok	
24	je21204-1	3y97107	op68257,g3y3747,47.5,,,2,1		ok	
25	je21233-1	3y97108	op68257,g3y3747,47.0,,,2,1		ok	
26	je21233-2	3y97109	op68257,g3y3747,47.7,,,2,1		ok	
27	je21233-3	3y97110	op68257,g3y3747,45.6,,,2,1		ok	
28	je21194-1	3y97111	op68257,g3y3747,47.2,,,2,1		ok	
99	rinse	3y97112	op68257,g3y3747,55.0,,,2,1		-	
3	cc3745-20	3y97113	op68257,g3y3747,55.0,,,2,1		ok	
1	ib	3y97114	op68257,g3y3747,55.0,,,2,1		ok	
29	op68257-mb2	3y97115	op68257,g3y3747,51.7,,,2,1		ok	
30	op68257-bs2	3y97116	op68257,g3y3747,51.2,,,2,1		ok	
31	op68257-bsd2	3y97117	op68257,g3y3747,50.8,,,2,1		ok	
32	je21034-1a	3y97118	op68257,g3y3747,47.9,,,2,1		ok	
33	je21034-6a	3y97119	op68257,g3y3747,45.9,,,2,1		ok	
34	je21194-1a	3y97120	op68257,g3y3747,47.6,,,2,1		ok	
35	op68149-mb3	3y97121	op68149,g3y3747,50.9,,,2,1		ok	
36	op68149-bs3	3y97122	op68149,g3y3747,51,,,2,1		ok	
99	rinse	3y97123	op68149,g3y3747,55.0,,,2,1		-	
4	cc3745-40	3y97124	op68149,g3y3747,55.0,,,2,1		ok	
1	ib	3y97125	op68149,g3y3747,55.0,,,2,1		ok	
37	op68149-ms	3y97126	op68149,g3y3747,55.0,,,2,1		ok	
38	op68149-msd	3y97127	op68149,g3y3747,55.0,,,2,1		ok	
39	op68149-mb4	3y97128	op68149,g3y3747,55.0,,,2,1		ok	
40	op68149-bs4	3y97129	op68149,g3y3747,55.0,,,2,1		ok	
41	op68149-ms2	3y97130	op68149,g3y3747,55.0,,,2,1		ok	
42	op68149-msd2	3y97131	op68149,g3y3747,55.0,,,2,1		ok	
99	rinse	3y97132	op68149,g3y3747,55.0,,,2,1		ok	
3	cc3745-20	3y97133	op68149,g3y3747,55.0,,,2,1		ok	

SEMIVOLATILE by GC ANALYSIS LOG

Date: 10/18/25

Standard Data

Lot#	Description	Concentration
SV25-170A	DRO Standard	20 ppm
SV25-170B	DRO Standard	40 ppm
SV25-148	RT Window	10 ppm
SV25-149	DRO LVI IB	50 ppm
254902	dcm (Fisher)	-
I1416471524	hexane (Supelco)	-

Standard data

Lot#	Description	Concentration
SV24-2992-129	DRO Stock	5000 ppm
SV24-2992-130	DRO Stock (No Surrogate)	2000 ppm
SV24-2992-31	DRO 2nd Source	1000 ppm

Batch ID: g3y3747

Analyst Name: Rebecca Krug

Columns: MXT-5

Method: DRO LVI

Initial Cal. Method: DROLVI3Y3745

Injection Volume: 25ul

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data file	OP Batch, Run ID, Vi,,,Vf, Dil.	SU	Status(data)	Comments
1	ib	3y97134	op68149,g3y3747,55.0,,,2,1		ok	
99	rinse	3y97135	op68149,g3y3747,55.0,,,2,1		-	
99	rinse	3y97136	op68149,g3y3747,55.0,,,2,1		-	
99	rinse	3y97137	op68149,g3y3747,55.0,,,2,1		-	
99	rinse	3y97138	op68149,g3y3747,55.0,,,2,1		-	
99	rinse	3y97139	op68149,g3y3747,55.0,,,2,1		-	
99	rinse	3y97140	op68149,g3y3747,55.0,,,2,1		-	
99	rinse	3y97141	op68149,g3y3747,55.0,,,2,1		-	
99	rinse	3y97142	op68149,g3y3747,55.0,,,2,1		-	
99	rinse	3y97143	op68149,g3y3747,55.0,,,2,1		-	
99	rinse	3y97144	op68149,g3y3747,55.0,,,2,1		-	
99	rinse	3y97145	op68149,g3y3747,55.0,,,2,1		-	
99	rinse	3y97146	op68149,g3y3747,55.0,,,2,1		-	
99	rinse	3y97147	op68149,g3y3747,55.0,,,2,1		-	
99	rinse	3y97148	op68149,g3y3747,55.0,,,2,1		-	
99	rinse	3y97149	op68149,g3y3747,55.0,,,2,1		-	
99	rinse	3y97150	op68149,g3y3747,55.0,,,2,1		-	
99	rinse	3y97151	op68149,g3y3747,55.0,,,2,1		-	
99	rinse	3y97152	op68149,g3y3747,55.0,,,2,1		-	

3511 Extraction Log - Aqueous

Date Started: 10/7/25 Time Started: 15:00
Date Finished: 10/7/25 Time Finished: 15:45
Balance ID: B-118 Analytical Method: DRO
60ml Vial LOT#: 047125-3ALD

		Bottle#	Initial Weight, g	Final Weight, g	Sample Weight by Difference*	Surrogate Vol.(ul)	NaCl(g)	Spike Vol.(ul)	Centrifuge (5min) Start Time	Centrifuge (5min) Stop Time	Final Vol.(ml)	pH	Copper Cleanup	Comments
MB	DRO		89.2	37.6	51.6		7				2	1		
BS			89.3	38.0	51.3	50	7	100			2	1		
BSD			89.4	37.9	51.5	50	7	100			2	1		
~~MS~~														
~~MSD~~														
1	JE21034-1		89.2	42.0	47.2	50	7				2	1		
2	-6		89.1	38.0	51.1	50	7				2	1		
3	JE21204-1		89.3	41.8	47.5	50	7				2	1		
4	JE21233-1		88.8	41.8	47.0	50	7				2	1		
5	-2		89.6	~~37.6~~ 41.9	47.7	50	7				2	1		
6	-3		87.3	41.7	45.6	50	7				2	1		
7	JE21194-1		89.3	42.1	47.2	50	7				2	1		
8	MB2		89.7	38.0	51.7	50	7				2	1		Silica Gel Clean up
9	BS2		89.6	38.4	51.2	50	7				2	1		
10	BSD2		89.4	38.6	50.8	50	7				2	1		
11	JE21034-1A		89.3	41.4	47.9	50	7				2	1		
12	-6A		88.2	42.3	45.9	50	7				2	1		
13	JE21194-1A		89.0	41.4	47.6	50	7				2	1		
14														
15														
16														
17														
18														
19														
20														

QC Samples (MS, MSD, LINK and/or DUP, Link) Confirmed by:

*(Initial weight)-(final weight)=Sample Wt. by diffrence

BATCH # GC OP68257	RACK# FID 75
Set-up by: BA	
Extracted by: BA	
Final Vol. Top-up:	
Vialed by: BA	
Vial Labels verified by:	
Supervisor Review: BA 10/7/25	

SURROGATE	LOT #	CONC (ppb)	AMT (mL)
DRO	SV24-2992-70	100	50ml

WITNESS SIGN: ED SPIKE SIGN: BA

MATRIX SPIKE	LOT #	CONC	AMT (mL)
DRO	SV24-2992-49	1000	100ml

WITNESS SIGN: ED SPIKE SIGN: BA

SOLVENT	LOT #	BRAND	AMT (mL)
METH CHLOR			
HEXANE	114647524	SupraSolv	2.0

REAGENT	LOT #	BAKE BATCH #	BRAND
Sodium Chloride	242981	9/10/25	Fisher
Filter Paper			
Chlorine Strips			
VIAL LOT#	241220B5		Fisher
Copper Cleanup			
Silica Gel	A0434361		Fisher

SGS Form: OP065-04
Rev.Date:8/13/2025

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries
- IDL and Linear Range Summaries

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
Analyst: LM Run ID: MA59580
Parameters: Fe,Mn

Time	Sample Description	Dilution Factor	PS Recov	Comments
07:19	MA59580-STD1	1		STDA
07:25	MA59580-STD2	1		STDB
07:30	MA59580-ICV1	1		
07:36	MA59580-ICB1	1		
07:43	MA59580-ICCV1	1		
07:48	MA59580-CCB1	1		
07:53	MA59580-CRI1	1		
07:58	MA59580-CRID1	1		
08:03	MA59580-ICSA1	1		
08:08	MA59580-ICSAB1	1		
08:13	MA59580-HSTD1	1		
08:18	MA59580-HSTD2	1		
08:23	ZZZZZZ	1		
08:28	ZZZZZZ	1		
08:33	ZZZZZZ	1		
08:38	ZZZZZZ	1		
08:43	MA59580-CCV1	1		
08:48	MA59580-CCB2	1		
08:53	ZZZZZZ	1		
08:58	ZZZZZZ	1		
09:12	ZZZZZZ	1		
09:17	MA59580-CRI2	1		
09:22	MA59580-CCV2	1		
09:27	MA59580-CCB3	1		
09:32	MP58070-MB1	1		
09:37	MP58070-B1	1		
09:41	MP58070-S1	1		
09:46	MP58070-S2	1		
09:51	JE21274-7	1		(sample used for QC only; not part of login JE21194)
09:56	MP58070-SD1	5		
10:01	MP58070-PS1	1		
10:05	ZZZZZZ	1		
10:10	MA59580-CCV3	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
Analyst: LM Run ID: MA59580
Parameters: Fe,Mn

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:15	MA59580-CCB4	1		
10:20	MP58091-MB1	1		
10:25	MP58091-LB1	1		
10:30	MP58091-B1	1		
10:34	MP58091-LS1	1		
10:39	MP58091-S1	1		
10:44	MP58091-S2	1		
10:48	JE21185-16	1		(sample used for QC only; not part of login JE21194)
10:53	MP58091-SD1	5		
10:58	ZZZZZZ	1		
11:03	ZZZZZZ	1		
11:08	MA59580-CCV4	1		
11:13	MA59580-CCB5	1		
11:18	MP58034-MB1	1		bad reading for AS and PB
11:23	MP58034-B1	1		
11:27	MP58034-S1	1		Ca and Na high
11:32	MP58034-S2	1		Ca and Na high
11:37	JE21222-1	1		(sample used for QC only; not part of login JE21194)
11:42	MP58034-SD1	5		Ca and Na high
---------->	Last reportable sample/prep for job JE21194			
11:47	ZZZZZZ	1		
11:52	ZZZZZZ	1		
11:57	ZZZZZZ	1		
12:02	MA59580-CCV5	1		
12:06	MA59580-CCB6	1		
---------->	Last reportable CCB for job JE21194			
12:11	MP57944-MB2	1		
12:16	MP57944-B3	1		
12:21	MP57944-S5	1		
12:26	MP57944-S6	1		
12:31	JE20847-4	1		(sample used for QC only; not part of login JE21194)
12:36	MP57944-SD2	5		
12:41	ZZZZZZ	1		
12:46	ZZZZZZ	1		
12:51	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
Analyst: LM Run ID: MA59580
Parameters: Fe,Mn

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:56	ZZZZZZ	1		
13:01	MA59580-CCV6	1		
13:05	MA59580-CCB7	1		
13:10	MP58070-S1	2		
13:15	MP58070-S2	2		
13:19	JE21274-7	2		(sample used for QC only; not part of login JE21194)
13:24	MP58070-SD1	10		
13:29	ZZZZZZ	1		
13:34	ZZZZZZ	1		
13:39	ZZZZZZ	1		
13:44	ZZZZZZ	1		
13:49	ZZZZZZ	1		
13:54	ZZZZZZ	1		
13:59	MA59580-CCV7	1		
14:03	MA59580-CCB8	1		
14:08	ZZZZZZ	1		
14:13	ZZZZZZ	1		
14:18	ZZZZZZ	1		
14:23	ZZZZZZ	1		
14:28	ZZZZZZ	1		
14:33	ZZZZZZ	1		
14:38	ZZZZZZ	1		
14:43	ZZZZZZ	1		
14:48	ZZZZZZ	1		
14:53	MA59580-CCV8	1		
14:57	MA59580-CCB9	1		
15:02	MP58017-MB2	1		
15:07	MP58017-LB2	1		
15:12	MP58102-MB1	1		
15:17	MP58102-LB1	1		
15:22	MP58102-B1	1		
15:26	MP58102-LS1	1		
15:31	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
Analyst: LM Run ID: MA59580
Parameters: Fe,Mn

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:36	ZZZZZZ	1		
15:41	ZZZZZZ	1		
15:47	ZZZZZZ	1		
15:52	MA59580-CCV9	1		
15:56	MA59580-CCB10	1		
16:01	ZZZZZZ	1		
16:06	MP58017-B2	1		
16:11	MP58017-LS2	1		
16:15	MP58017-S1	1		
16:20	MP58017-S2	1		
16:25	JE20703-4	1		(sample used for QC only; not part of login JE21194)
16:30	MP58017-SD1	5		
16:35	ZZZZZZ	1		
16:40	ZZZZZZ	1		
16:45	ZZZZZZ	1		
16:50	MA59580-CCV10	1		
16:55	MA59580-CCB11	1		
17:00	ZZZZZZ	1		
17:05	ZZZZZZ	1		
17:10	MP58102-S1	1		
17:15	MP58102-S2	1		
17:19	JE21055-1A	1		(sample used for QC only; not part of login JE21194)
17:24	MP58102-SD1	5		
17:29	ZZZZZZ	1		
17:35	ZZZZZZ	1		
17:40	ZZZZZZ	1		
17:45	ZZZZZZ	1		
17:51	MA59580-CCV11	1		
17:55	MA59580-CCB12	1		
18:00	ZZZZZZ	1		
18:05	ZZZZZZ	1		
18:10	ZZZZZZ	1		
18:15	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
Analyst: LM Run ID: MA59580
Parameters: Fe,Mn

Time	Sample Description	Dilution Factor	PS Recov	Comments
18:20	ZZZZZZ	1		
18:25	ZZZZZZ	1		
18:30	ZZZZZZ	1		
18:35	ZZZZZZ	1		
18:40	ZZZZZZ	1		
18:45	MA59580-CCV12	1		
18:50	MA59580-CCB13	1		
18:55	MP58071-MB1	1		
19:00	MP58071-B1	1		
19:04	MP58071-S1	1		Ca, FE high
19:09	MP58071-S2	1		Ca, FE high
19:14	JE21301-1	1		(sample used for QC only; not part of login JE21194)
19:19	MP58071-SD1	5		
19:24	MP58071-PS1	1		
19:28	ZZZZZZ	1		
19:34	ZZZZZZ	1		
19:38	MA59580-CCV13	1		
19:43	MA59580-CCB14	1		

Refer to raw data for calibration curve and standards.

REPORTED ELEMENTS SUMMARY

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
Analyst: LM Run ID: MA59580
Parameters: Fe,Mn

Time	Sample Description	Dilution	Fe	Mn	
07:30	MA59580-ICV1	1	X	X	
07:36	MA59580-ICB1	1	X	X	
07:43	MA59580-ICCV1	1	X	X	
07:48	MA59580-CCB1	1	X	X	
07:53	MA59580-CRI1	1	X	X	
07:58	MA59580-CRID1	1	X	X	
08:03	MA59580-ICSA1	1	X	X	
08:08	MA59580-ICSAB1	1	X	X	
08:13	MA59580-HSTD1	1	X	X	
08:18	MA59580-HSTD2	1	X	X	
08:23	ZZZZZZ	1			
08:28	ZZZZZZ	1			
08:33	ZZZZZZ	1			
08:38	ZZZZZZ	1			
08:43	MA59580-CCV1	1	X	X	
08:48	MA59580-CCB2	1	X	X	
08:53	ZZZZZZ	1			
08:58	ZZZZZZ	1			
09:12	ZZZZZZ	1			
09:17	MA59580-CRI2	1	X	X	
09:22	MA59580-CCV2	1	X	X	
09:27	MA59580-CCB3	1	X	X	
09:32	MP58070-MB1	1	X	X	
09:37	MP58070-B1	1	X	X	
09:41	MP58070-S1	1	X	X	
09:46	MP58070-S2	1	X	X	
09:51	JE21274-7	1	X	X	(a)
09:56	MP58070-SD1	5	X	X	
10:01	MP58070-PS1	1			
10:05	ZZZZZZ	1			
10:10	MA59580-CCV3	1	X	X	
10:15	MA59580-CCB4	1	X	X	
10:20	MP58091-MB1	1			

Element:	Fe	Mn

REPORTED ELEMENTS SUMMARY

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
Analyst: LM Run ID: MA59580
Parameters: Fe,Mn

Time	Sample Description	Dilution	Fe	Mn	
10:25	MP58091-LB1	1			
10:30	MP58091-B1	1			
10:34	MP58091-LS1	1			
10:39	MP58091-S1	1			
10:44	MP58091-S2	1			
10:48	JE21185-16	1			(a)
10:53	MP58091-SD1	5			
10:58	ZZZZZZ	1			
11:03	ZZZZZZ	1			
11:08	MA59580-CCV4	1	X	X	
11:13	MA59580-CCB5	1	X	X	
11:18	MP58034-MB1	1	X	X	
11:23	MP58034-B1	1	X	X	
11:27	MP58034-S1	1	X	X	
11:32	MP58034-S2	1	X	X	
11:37	JE21222-1	1	X	X	(a)
11:42	MP58034-SD1	5	X	X	
11:47	ZZZZZZ	1			
11:52	ZZZZZZ	1			
11:57	ZZZZZZ	1			
12:02	MA59580-CCV5	1	X	X	
12:06	MA59580-CCB6	1	X	X	
12:11	MP57944-MB2	1	X	X	
12:16	MP57944-B3	1	X	X	
12:21	MP57944-S5	1	X	X	
12:26	MP57944-S6	1	X	X	
12:31	JE20847-4	1			
12:36	MP57944-SD2	5	X	X	
12:41	ZZZZZZ	1			
12:46	ZZZZZZ	1			
12:51	ZZZZZZ	1			
12:56	ZZZZZZ	1			
13:01	MA59580-CCV6	1	X	X	
	Element:		Fe	Mn	

REPORTED ELEMENTS SUMMARY

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
Analyst: LM Run ID: MA59580
Parameters: Fe,Mn

Time	Sample Description	Element: Dilution	Fe	Mn	
13:05	MA59580-CCB7	1	X	X	
13:10	MP58070-S1	2			
13:15	MP58070-S2	2			
13:19	JE21274-7	2			(a)
13:24	MP58070-SD1	10			
13:29	ZZZZZZ	1			
13:34	ZZZZZZ	1			
13:39	ZZZZZZ	1			
13:44	ZZZZZZ	1			
13:49	ZZZZZZ	1			
13:54	ZZZZZZ	1			
13:59	MA59580-CCV7	1	X	X	
14:03	MA59580-CCB8	1	X	X	
14:08	ZZZZZZ	1			
14:13	ZZZZZZ	1			
14:18	ZZZZZZ	1			
14:23	ZZZZZZ	1			
14:28	ZZZZZZ	1			
14:33	ZZZZZZ	1			
14:38	ZZZZZZ	1			
14:43	ZZZZZZ	1			
14:48	ZZZZZZ	1			
14:53	MA59580-CCV8	1	X	X	
14:57	MA59580-CCB9	1	X	X	
15:02	MP58017-MB2	1			
15:07	MP58017-LB2	1			
15:12	MP58102-MB1	1			
15:17	MP58102-LB1	1			
15:22	MP58102-B1	1			
15:26	MP58102-LS1	1			
15:31	ZZZZZZ	1			
15:36	ZZZZZZ	1			
15:41	ZZZZZZ	1			
		Element:	Fe	Mn	

REPORTED ELEMENTS SUMMARY

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
Analyst: LM Run ID: MA59580
Parameters: Fe,Mn

Time	Sample Description	Dilution	Fe	Mn	
15:47	ZZZZZZ	1			
15:52	MA59580-CCV9	1	X	X	
15:56	MA59580-CCB10	1	X	X	
16:01	ZZZZZZ	1			
16:06	MP58017-B2	1			
16:11	MP58017-LS2	1			
16:15	MP58017-S1	1			
16:20	MP58017-S2	1			
16:25	JE20703-4	1			(a)
16:30	MP58017-SD1	5			
16:35	ZZZZZZ	1			
16:40	ZZZZZZ	1			
16:45	ZZZZZZ	1			
16:50	MA59580-CCV10	1	X	X	
16:55	MA59580-CCB11	1	X	X	
17:00	ZZZZZZ	1			
17:05	ZZZZZZ	1			
17:10	MP58102-S1	1			
17:15	MP58102-S2	1			
17:19	JE21055-1A	1			(a)
17:24	MP58102-SD1	5			
17:29	ZZZZZZ	1			
17:35	ZZZZZZ	1			
17:40	ZZZZZZ	1			
17:45	ZZZZZZ	1			
17:51	MA59580-CCV11	1	X	X	
17:55	MA59580-CCB12	1	X	X	
18:00	ZZZZZZ	1			
18:05	ZZZZZZ	1			
18:10	ZZZZZZ	1			
18:15	ZZZZZZ	1			
18:20	ZZZZZZ	1			
18:25	ZZZZZZ	1			
	Element:		Fe	Mn	

REPORTED ELEMENTS SUMMARY

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
Analyst: LM Run ID: MA59580
Parameters: Fe,Mn

Time	Sample Description	Dilution	Fe	Mn	
18:30	ZZZZZZ	1			
18:35	ZZZZZZ	1			
18:40	ZZZZZZ	1			
18:45	MA59580-CCV12	1	X	X	
18:50	MA59580-CCB13	1	X	X	
18:55	MP58071-MB1	1	X	X	
19:00	MP58071-B1	1	X	X	
19:04	MP58071-S1	1		X	
19:09	MP58071-S2	1		X	
19:14	JE21301-1	1	X	X	(a)
19:19	MP58071-SD1	5	X	X	
19:24	MP58071-PS1	1			
19:28	ZZZZZZ	1			
19:34	ZZZZZZ	1			
19:38	MA59580-CCV13	1	X	X	
19:43	MA59580-CCB14	1	X	X	

(a) Sample used for QC only; not part of login JE21194.

Element:	Fe	Mn

INTERNAL STANDARD SUMMARY

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
Analyst: LM Run ID: MA59580
Parameters: Fe,Mn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
07:19	MA59580-STD1	3100 R	99934 R	16913 R	6127 R
07:25	MA59580-STD2	3023	99958	16687	6126
07:30	MA59580-ICV1	3050	98710	16702	6127
07:36	MA59580-ICB1	3129	100210	16775	6183
07:43	MA59580-ICCV1	3083	99628	16670	6190
07:48	MA59580-CCB1	3114	100020	16771	6163
07:53	MA59580-CRI1	3119	99141	16572	6187
07:58	MA59580-CRID1	3121	100630	16885	6164
08:03	MA59580-ICSA1	2944	97398	16858	5889
08:08	MA59580-ICSAB1	2926	98115	16843	5871
08:13	MA59580-HSTD1	3062	100970	16973	6220
08:18	MA59580-HSTD2	2956	98067	16576	5907
08:23	ZZZZZZ	3102	100430	16556	6286
08:28	ZZZZZZ	3227	101180	17941	6185
08:33	ZZZZZZ	2988	100170	16429	5949
08:38	ZZZZZZ	3107	100890	16719	6117
08:43	MA59580-CCV1	3066	99827	16889	6129
08:48	MA59580-CCB2	3115	99635	16613	6136
08:53	ZZZZZZ	3106	101320	16761	6137
08:58	ZZZZZZ	3119	99947	16887	6140
09:12	ZZZZZZ	3106	100830	16611	6129
09:17	MA59580-CRI2	3113	100970	16846	6136
09:22	MA59580-CCV2	3071	100620	16676	6125
09:27	MA59580-CCB3	3103	100590	16808	6108
09:32	MP58070-MB1	3130	100700	16718	6160
09:37	MP58070-B1	3088	99842	16745	6177
09:41	MP58070-S1	3077	101650	17077	6089
09:46	MP58070-S2	3067	101480	17177	6031
09:51	JE21274-7	3096	101850	17178	6107
09:56	MP58070-SD1	3101	101010	16870	6139
10:01	MP58070-PS1	3060	102270	17097	6074
10:05	ZZZZZZ	3153	103870	17699	6150
10:10	MA59580-CCV3	3067	99994	16687	6131

INTERNAL STANDARD SUMMARY

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
Analyst: LM Run ID: MA59580
Parameters: Fe,Mn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
10:15	MA59580-CCB4	3120	100700	16661	6141
10:20	MP58091-MB1	3123	100090	16631	6154
10:25	MP58091-LB1	3022	100210	16406	5833
10:30	MP58091-B1	3092	101050	16832	6168
10:34	MP58091-LS1	3023	100100	16633	5825
10:39	MP58091-S1	3002	100160	16588	5799
10:44	MP58091-S2	3029	100780	16754	5837
10:48	JE21185-16	3028	100780	16596	5844
10:53	MP58091-SD1	3110	102220	16615	6128
10:58	ZZZZZZ	2969	100060	16580	5754
11:03	ZZZZZZ	2959	99573	16565	5694
11:08	MA59580-CCV4	3077	100950	16540	6136
11:13	MA59580-CCB5	3121	101030	16964	6124
11:18	MP58034-MB1	3115	101330	16923	6124
11:23	MP58034-B1	3088	100360	16931	6169
11:27	MP58034-S1	2957	99309	16383	5853
11:32	MP58034-S2	2975	99381	16542	5892
11:37	JE21222-1	2944	100390	16306	5816
11:42	MP58034-SD1	3072	100360	16555	6092
11:47	ZZZZZZ	3085	100120	16734	6090
11:52	ZZZZZZ	3033	99409	16338	6016
11:57	ZZZZZZ	3059	101640	16693	6070
12:02	MA59580-CCV5	3069	101040	16754	6109
12:06	MA59580-CCB6	3117	100460	16655	6122
12:11	MP57944-MB2	3130	103080	17077	6151
12:16	MP57944-B3	3102	101930	16943	6173
12:21	MP57944-S5	3004	101130	16457	5958
12:26	MP57944-S6	2998	100740	16720	5940
12:31	JE20847-4	No results reported for the elements associated with this internal standard.			
12:36	MP57944-SD2	3090	101380	16745	6107
12:41	ZZZZZZ	3231	105200	17433	6229
12:46	ZZZZZZ	3268	107670	17973	6242
12:51	ZZZZZZ	2944	100560	16532	5672

INTERNAL STANDARD SUMMARY

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
Analyst: LM Run ID: MA59580
Parameters: Fe,Mn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
12:56	ZZZZZZ	3013	101690	16651	5765
13:01	MA59580-CCV6	3086	101030	16648	6132
13:05	MA59580-CCB7	3115	101510	16824	6114
13:10	MP58070-S1	3091	103040	17277	6114
13:15	MP58070-S2	3088	101970	17175	6067
13:19	JE21274-7	3095	102960	17207	6101
13:24	MP58070-SD1	3132	102270	16934	6166
13:29	ZZZZZZ	3026	100600	16612	5817
13:34	ZZZZZZ	3035	101740	16585	5856
13:39	ZZZZZZ	2984	99911	16485	5761
13:44	ZZZZZZ	3004	100550	16461	5803
13:49	ZZZZZZ	3067	102400	16446	5910
13:54	ZZZZZZ	2993	100840	16568	5771
13:59	MA59580-CCV7	3103	102020	16810	6163
14:03	MA59580-CCB8	3117	102960	17090	6110
14:08	ZZZZZZ	2998	102140	16622	5783
14:13	ZZZZZZ	2977	100910	16564	5727
14:18	ZZZZZZ	2964	100450	16654	5715
14:23	ZZZZZZ	2993	101320	16571	5773
14:28	ZZZZZZ	2983	100580	16917	5765
14:33	ZZZZZZ	3004	102340	16620	5801
14:38	ZZZZZZ	3015	101480	16538	5812
14:43	ZZZZZZ	2944	100400	16537	5663
14:48	ZZZZZZ	2948	100080	16385	5708
14:53	MA59580-CCV8	3066	101990	16828	6094
14:57	MA59580-CCB9	3118	102620	16777	6105
15:02	MP58017-MB2	3118	101120	17179	6100
15:07	MP58017-LB2	3013	100250	16432	5789
15:12	MP58102-MB1	3099	102910	17302	6082
15:17	MP58102-LB1	3005	102080	16723	5780
15:22	MP58102-B1	3073	102220	17184	6125
15:26	MP58102-LS1	2983	101990	16904	5721
15:31	ZZZZZZ	2863	99392	16446	5518

INTERNAL STANDARD SUMMARY

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
Analyst: LM Run ID: MA59580
Parameters: Fe,Mn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
15:36	ZZZZZZ	2839	99336	16478	5474
15:41	ZZZZZZ	2860	100090	16551	5503
15:47	ZZZZZZ	2854	100080	16513	5499
15:52	MA59580-CCV9	3089	103430	17032	6140
15:56	MA59580-CCB10	3122	103430	17168	6108
16:01	ZZZZZZ	2859	99929	16479	5485
16:06	MP58017-B2	3086	103960	17279	6133
16:11	MP58017-LS2	3060	103260	17124	5876
16:15	MP58017-S1	3050	106370	17297	5853
16:20	MP58017-S2	3081	105760	17987	5921
16:25	JE20703-4	3059	107240	17552	5887
16:30	MP58017-SD1	3157	108230	17910	6220
16:35	ZZZZZZ	3009	104120	17515	5830
16:40	ZZZZZZ	3033	105470	17627	5863
16:45	ZZZZZZ	3030	105040	17598	5854
16:50	MA59580-CCV10	3123	107760	18020	6228
16:55	MA59580-CCB11	3199	107450	18293	6301
17:00	ZZZZZZ	3053	105550	17646	5866
17:05	ZZZZZZ	3044	106270	17501	5837
17:10	MP58102-S1	3013	105340	17668	5781
17:15	MP58102-S2	3053	104700	17683	5866
17:19	JE21055-1A	3051	106870	17716	5873
17:24	MP58102-SD1	3155	109100	18021	6222
17:29	ZZZZZZ	2940	104940	17187	5676
17:35	ZZZZZZ	2918	103450	17290	5630
17:40	ZZZZZZ	2911	103760	17189	5620
17:45	ZZZZZZ	2901	103040	17023	5591
17:51	MA59580-CCV11	3165	107630	17899	6308
17:55	MA59580-CCB12	3198	107090	18003	6295
18:00	ZZZZZZ	3059	105330	17469	5884
18:05	ZZZZZZ	3060	106370	17568	5918
18:10	ZZZZZZ	3046	106130	17683	5899
18:15	ZZZZZZ	3057	106000	17505	5898

INTERNAL STANDARD SUMMARY

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
Analyst: LM Run ID: MA59580
Parameters: Fe,Mn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
18:20	ZZZZZZ	3258	109000	18607	6354
18:25	ZZZZZZ	2948	101600	17191	5643
18:30	ZZZZZZ	2899	100600	16855	5589
18:35	ZZZZZZ	3071	105740	17458	5889
18:40	ZZZZZZ	2991	105070	17275	5724
18:45	MA59580-CCV12	3184	107360	17815	6331
18:50	MA59580-CCB13	3231	107940	17853	6354
18:55	MP58071-MB1	3206	106700	17923	6301
19:00	MP58071-B1	3191	107690	17984	6366
19:04	MP58071-S1	3221	110680	18535	6333
19:09	MP58071-S2	3151	109200	18439	6154
19:14	JE21301-1	3192	108570	18322	6240
19:19	MP58071-SD1	3237	107790	18075	6376
19:24	MP58071-PS1	3148	109140	18319	6209
19:28	ZZZZZZ	3027	104880	17483	5789
19:34	ZZZZZZ	3174	107350	17620	6270
19:38	MA59580-CCV13	3189	106850	17816	6340
19:43	MA59580-CCB14	3237	108260	18037	6363

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	70-130 %
Istd#2	Yttrium (3600)	70-130 %
Istd#3	Yttrium (3710)	70-130 %
Istd#4	Indium	70-130 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA59580 Units: ug/l

Time: / Sample ID:			07:36 ICB1		07:48 CCB1		08:48 CCB2		09:27 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	17	anr							
Antimony	6.0	1.7	anr							
Arsenic	3.0	2.1	anr							
Barium	200	.8	anr							
Beryllium	1.0	.3	anr							
Bismuth	20	2.3								
Boron	100	2.3								
Cadmium	3.0	.3	anr							
Calcium	5000	6.6	anr							
Cerium	100									
Chromium	10	.3	anr							
Cobalt	50	.4	anr							
Copper	10	.8	anr							
Iron	100	5.3	0.600	<100	3.20	<100	2.20	<100	2.20	<100
Lead	3.0	1.1	anr							
Lithium	50	4.8								
Magnesium	5000	32	anr							
Manganese	15	.1	0.00	<15	0.100	<15	0.300	<15	0.200	<15
Molybdenum	20	.6								
Nickel	10	.4	anr							
Phosphorus	50	1.2								
Potassium	10000	77	anr							
Selenium	10	3.2	anr							
Silicon	200	1.7								
Silver	10	1	anr							
Sodium	10000	34	anr							
Strontium	10	.3								
Sulfur	50	3								
Thallium	10	1.8	anr							
Tin	10	.8								
Titanium	10	.5								
Tungsten	50	2.6								
Vanadium	50	.6	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA59580 Units: ug/l

Time:			07:36		07:48		08:48		09:27	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zinc	20	.1	anr							
Zirconium	10	.3								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA59580 Units: ug/l

Time:			10:15		11:13		12:06	
Sample ID:			CCB4		CCB5		CCB6	
Metal	RL	IDL	raw	final	raw	final	raw	final
Aluminum	200	17	anr					
Antimony	6.0	1.7	anr					
Arsenic	3.0	2.1	anr					
Barium	200	.8	anr					
Beryllium	1.0	.3	anr					
Bismuth	20	2.3						
Boron	100	2.3						
Cadmium	3.0	.3	anr					
Calcium	5000	6.6	anr					
Cerium	100							
Chromium	10	.3	anr					
Cobalt	50	.4	anr					
Copper	10	.8	anr					
Iron	100	5.3	2.30	<100	1.40	<100	3.00	<100
Lead	3.0	1.1	anr					
Lithium	50	4.8						
Magnesium	5000	32	anr					
Manganese	15	.1	0.300	<15	0.100	<15	0.300	<15
Molybdenum	20	.6						
Nickel	10	.4	anr					
Phosphorus	50	1.2						
Potassium	10000	77	anr					
Selenium	10	3.2	anr					
Silicon	200	1.7						
Silver	10	1	anr					
Sodium	10000	34	anr					
Strontium	10	.3						
Sulfur	50	3						
Thallium	10	1.8	anr					
Tin	10	.8						
Titanium	10	.5						
Tungsten	50	2.6						
Vanadium	50	.6	anr					

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA59580 Units: ug/l

Time: / Sample ID:			10:15 CCB4		11:13 CCB5		12:06 CCB6	
Metal	RL	IDL	raw	final	raw	final	raw	final
Zinc	20	.1	anr					
Zirconium	10	.3						

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
QC Limits: to % Recovery Run ID: MA59580 Units: ug/l

Time:		07:43	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Bismuth			
Boron			
Cadmium	anr		
Calcium	anr		
Cerium			
Chromium	anr		
Cobalt	anr		
Copper	anr		
Iron	40000	40100	100.3
Lead	anr		
Lithium			
Magnesium	anr		
Manganese	2000	2080	104.0
Molybdenum			
Nickel	anr		
Phosphorus			
Potassium	anr		
Selenium	anr		
Silicon			
Silver	anr		
Sodium	anr		
Strontium			
Sulfur			
Thallium	anr		
Tin			
Titanium			
Tungsten			
Vanadium	anr		

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
QC Limits: to % Recovery Run ID: MA59580 Units: ug/l

Time:		07:43	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec
Zinc	anr		
Zirconium			

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA59580 Units: ug/l

Time:		07:30			08:43			09:22	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Bismuth									
Boron									
Cadmium	anr								
Calcium	anr								
Cerium									
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	40000	39700	99.3	40000	40400	101.0	40000	40600	101.5
Lead	anr								
Lithium									
Magnesium	anr								
Manganese	2000	2100	105.0	2000	2090	104.5	2000	2070	103.5
Molybdenum									
Nickel	anr								
Phosphorus									
Potassium	anr								
Selenium	anr								
Silicon									
Silver	anr								
Sodium	anr								
Strontium									
Sulfur									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA59580 Units: ug/l

Time:		07:30			08:43			09:22	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	anr								
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA59580 Units: ug/l

Time:		10:10			11:08			12:02	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Bismuth									
Boron									
Cadmium	anr								
Calcium	anr								
Cerium									
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	40000	40500	101.3	40000	40600	101.5	40000	40500	101.3
Lead	anr								
Lithium									
Magnesium	anr								
Manganese	2000	2090	104.5	2000	2070	103.5	2000	2080	104.0
Molybdenum									
Nickel	anr								
Phosphorus									
Potassium	anr								
Selenium	anr								
Silicon									
Silver	anr								
Sodium	anr								
Strontium									
Sulfur									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA59580 Units: ug/l

Time:		10:10			11:08			12:02	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	anr								
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

HIGH STANDARD CHECK SUMMARY

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 90 to 110 % Recovery Run ID: MA59580 Units: ug/l

Time:		08:13			08:18	
Sample ID:	HSTD	HSTD1		HSTD	HSTD2	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum						
Antimony	anr					
Arsenic	anr					
Barium	anr					
Beryllium	anr					
Bismuth						
Boron						
Cadmium	anr					
Calcium						
Cerium						
Chromium	anr					
Cobalt	anr					
Copper	anr					
Iron				200000	183000	91.5
Lead	anr					
Lithium						
Magnesium						
Manganese	8000	7970	99.6			
Molybdenum						
Nickel	anr					
Phosphorus						
Potassium						
Selenium	anr					
Silicon						
Silver	anr					
Sodium						
Strontium						
Sulfur						
Thallium	anr					
Tin						
Titanium						
Tungsten						
Vanadium	anr					

HIGH STANDARD CHECK SUMMARY

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 90 to 110 % Recovery Run ID: MA59580 Units: ug/l

Time:		08:13			08:18	
Sample ID:	HSTD	HSTD1		HSTD	HSTD2	
Metal	True	Results	% Rec	True	Results	% Rec
Zinc	anr					
Zirconium						

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
QC Limits: CRI 80-120% CRIA 80-120% Run ID: MA59580 Units: ug/l

Time:				07:53		07:58		09:17	
Sample ID:	CRI	CRIA	CRID	CRI1		CRID1		CRI2	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	anr					
Antimony	6.0	20	3.0	anr					
Arsenic	8.0	20	3.0	anr					
Barium	200		4.0	anr					
Beryllium	2.0		1.0	anr					
Bismuth	20								
Boron	100		10						
Cadmium	3.0		1.0	anr					
Calcium	5000	2000	1000	anr					
Cerium									
Chromium	10		2.0	anr					
Cobalt	50		3.0	anr					
Copper	10		2.0	anr					
Iron	100	500		109	109.0			101	101.0
Lead	3.0	20	2.5	anr					
Lithium	50								
Magnesium	5000	2000	100	anr					
Manganese	15		3.0	16.4	109.3	3.10	103.3	15.5	103.3
Molybdenum	20								
Nickel	10		4.0	anr					
Phosphorus	50								
Potassium	5000		2000	anr					
Selenium	10	20	5.0	anr					
Silicon	200								
Silver	5.0		2.0	anr					
Sodium	5000		1000	anr					
Strontium	10								
Sulfur	50								
Thallium	10		2.0	anr					
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	anr					

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
QC Limits: CRI 80-120% CRIA 80-120% Run ID: MA59580 Units: ug/l

Time:				07:53		07:58		09:17	
Sample ID:	CRI	CRIA	CRID	CRI1		CRID1		CRI2	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Zinc	20		10	anr					
Zirconium	10								

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 80 to 120 % Recovery Run ID: MA59580 Units: ug/l

Time:			08:03		08:08	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	500000	500000	497000	99.4	504000	100.8
Antimony		1000	-1.90		1060	106.0
Arsenic		1000	-1.80		989	98.9
Barium		500	1.90		490	98.0
Beryllium		500	-0.500		503	100.6
Bismuth		500	-7.50		521	104.2
Boron		500	0.100		533	106.6
Cadmium		1000	-1.70		1100	110.0
Calcium	400000	400000	373000	93.3	388000	97.0
Cerium			26.1		540*	
Chromium		500	0.200		481	96.2
Cobalt		500	0.700		530	106.0
Copper		500	0.00		543	108.6
Iron	200000	200000	185000	92.5	190000	95.0
Lead		1000	2.40		1010	101.0
Lithium		500	-3.60		551	110.2
Magnesium	500000	500000	495000	99.0	505000	101.0
Manganese		500	-6.00		512	102.4
Molybdenum		500	1.60		516	103.2
Nickel		1000	-1.40		1040	104.0
Phosphorus		500	-20.5		524	104.8
Potassium			-113		-126	
Selenium		1000	-1.10		1030	103.0
Silicon		500	-9.40		438	87.6
Silver		1000	0.800		1130	113.0
Sodium			39.6		52.3	
Strontium		500	1.00		501	100.2
Sulfur		500	-28.7		503	100.6
Thallium		1000	2.50		1010	101.0
Tin		500	-2.60		498	99.6
Titanium		500	-1.80		499	99.8
Tungsten		500	-1.20		506	101.2
Vanadium		500	0.800		507	101.4

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SC102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 80 to 120 % Recovery Run ID: MA59580 Units: ug/l

Time:			08:03		08:08	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1	
Metal	True	True	Results	% Rec	Results	% Rec
Zinc		1000	2.40		984	98.4
Zirconium		500	2.70		482	96.4

(*) Outside of QC limits
(anr) Analyte not requested

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA59582
Parameters: Fe,Mn

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:54	MA59582-STD1	1		STDA
09:59	MA59582-STD2	1		STDB
10:05	MA59582-ICV1	1		
10:13	MA59582-ICB1	1		
10:22	MA59582-ICV2	1		
10:29	ZZZZZZ	1		
10:34	MA59582-ICB2	1		
10:41	MA59582-ICCV1	1		
10:50	ZZZZZZ	1		
10:55	MA59582-CCB1	1		
11:02	MA59582-CRI1	1		
11:07	MA59582-CRID1	1		
11:12	MA59582-ICSA1	1		
11:17	MA59582-ICSAB1	1		
11:22	MA59582-HSTD1	1		
11:28	MA59582-HSTD2	1		
11:34	ZZZZZZ	1		
11:39	ZZZZZZ	1		
11:44	ZZZZZZ	1		
11:49	ZZZZZZ	1		
11:54	MA59582-CCV1	1		
12:00	MA59582-CCB2	1		
12:05	MA59582-CRI2	1		
12:10	MA59582-CRID2	1		
12:14	MP58040-MB1	1		
12:19	MP58040-B1	1		
12:25	MP58040-S1	1		
12:30	MP58040-S2	1		
12:35	JE20433-1	1		(sample used for QC only; not part of login JE21194)
12:40	MP58040-SD1	5		
12:45	ZZZZZZ	1		
12:50	ZZZZZZ	1		
12:55	MA59582-CCV2	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA59582
Parameters: Fe,Mn

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:00	MA59582-CCB3	1		
13:05	ZZZZZZ	1		
13:10	ZZZZZZ	1		
13:15	ZZZZZZ	1		
13:20	ZZZZZZ	1		
13:25	ZZZZZZ	1		
13:30	ZZZZZZ	1		
13:35	ZZZZZZ	1		
13:40	ZZZZZZ	1		
13:45	MP58072-MB1	1		
13:50	MP58072-B1	1		
13:55	MA59582-CCV3	1		
14:00	MA59582-CCB4	1		
14:05	MP58072-S1	1		
14:10	MP58072-S2	1		
14:16	JE21203-4	1		(sample used for QC only; not part of login JE21194)
14:21	MP58072-SD1	5		
14:26	MP58072-PS1	1		
14:31	ZZZZZZ	1		
14:36	ZZZZZZ	1		
14:41	ZZZZZZ	1		
14:46	ZZZZZZ	1		
14:52	ZZZZZZ	1		
14:57	MA59582-CCV4	1		
15:02	MA59582-CCB5	1		
15:07	ZZZZZZ	1		
15:12	ZZZZZZ	1		
15:17	ZZZZZZ	1		
15:22	ZZZZZZ	1		
15:28	ZZZZZZ	1		
15:33	ZZZZZZ	1		
15:38	ZZZZZZ	1		
15:43	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA59582
Parameters: Fe,Mn

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:48	ZZZZZZ	1		
15:53	ZZZZZZ	1		
15:58	MA59582-CCV5	1		
16:03	MA59582-CCB6	1		
16:08	ZZZZZZ	1		
16:14	ZZZZZZ	1		
16:19	ZZZZZZ	1		
16:24	ZZZZZZ	1		
16:29	ZZZZZZ	1		
16:34	ZZZZZZ	1		
16:39	ZZZZZZ	1		
16:44	ZZZZZZ	1		
16:49	ZZZZZZ	1		
16:54	ZZZZZZ	1		
16:59	MA59582-CCV6	1		
17:04	MA59582-CCB7	1		
17:09	ZZZZZZ	1		
17:14	ZZZZZZ	1		
17:19	JE21194-1	1		
---------->	Last reportable sample/prep for job JE21194			
17:24	ZZZZZZ	1		
17:29	ZZZZZZ	1		
17:34	ZZZZZZ	1		
17:39	ZZZZZZ	1		
17:44	MP57993-S1	1		
17:49	MP57993-S2	1		
17:55	MA59582-CCV7	1		
18:00	MA59582-CCB8	1		
---------->	Last reportable CCB for job JE21194			
18:05	MP57993-MB2	1		
18:10	MP57993-B2	1		
18:15	MP58092-B1	1		
18:20	MP58092-MB1	1		
18:25	MP58092-LB1	1		
18:30	MP58092-LS1	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA59582
Parameters: Fe,Mn

Time	Sample Description	Dilution Factor	PS Recov	Comments
18:35	MP58092-S1	1		
18:41	MP58092-S2	1		
18:46	MA59582-CCV8	1		
18:51	MA59582-CCB9	1		
18:56	JE20857-2	1		(sample used for QC only; not part of login JE21194)
19:02	MP58092-SD1	5		
19:07	ZZZZZZ	1		
19:12	ZZZZZZ	1		
19:17	ZZZZZZ	1		
19:22	ZZZZZZ	1		
19:27	ZZZZZZ	1		
19:33	ZZZZZZ	1		
19:38	ZZZZZZ	1		
19:43	ZZZZZZ	1		
19:48	MA59582-CCV9	1		
19:53	MA59582-CCB10	1		
19:58	ZZZZZZ	1		
20:03	ZZZZZZ	1		
20:09	ZZZZZZ	1		
20:14	ZZZZZZ	1		
20:19	MA59582-CCV10	1		
20:24	MA59582-CCB11	1		
20:29	MP58103-MB1	1		
20:35	MP58103-LB1	1		
20:39	MP58103-B1	1		
20:45	MP58103-LS1	1		
20:50	ZZZZZZ	1		
20:55	ZZZZZZ	1		
21:00	MP58111-MB1	1		
21:05	MP58111-LB1	1		
21:10	MP58111-B1	1		
21:15	MP58111-LS1	1		
21:20	MA59582-CCV11	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA59582
Parameters: Fe,Mn

Time	Sample Description	Dilution Factor	PS Recov	Comments
21:26	MA59582-CCB12	1		
21:31	MP58111-S1	1		
21:36	MP58111-S2	1		
21:41	JE21252-1	1		(sample used for QC only; not part of login JE21194)
21:47	MP58111-SD1	5		
21:52	ZZZZZZ	1		
21:57	ZZZZZZ	1		
22:03	ZZZZZZ	1		
22:08	ZZZZZZ	1		
22:13	ZZZZZZ	1		
22:19	ZZZZZZ	1		
22:24	MA59582-CCV12	1		
22:29	MA59582-CCB13	1		
22:34	ZZZZZZ	1		
22:40	ZZZZZZ	1		
22:45	ZZZZZZ	1		
22:50	MA59582-CCV13	1		
22:55	MA59582-CCB14	1		
23:00	MP58093-MB1	1		
23:05	MP58093-LB1	1		
23:10	MP58093-B1	1		
23:15	MP58093-LS1	1		
23:20	MP58093-S1	1		
23:25	MP58093-S2	1		
23:30	JE20832-1A	1		(sample used for QC only; not part of login JE21194)
23:35	MP58093-SD1	5		
23:40	ZZZZZZ	1		
23:46	MA59582-CCV14	1		
23:51	MA59582-CCB15	1		
23:56	MP58104-MB1	1		
00:01	MP58104-LB1	1		
00:06	MP58104-B1	1		
00:11	MP58104-LS1	1		Zn high recovery, rerun with hits

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA59582
Parameters: Fe,Mn

Time	Sample Description	Dilution Factor	PS Recov	Comments
00:16	MP58104-S1	1		rerun with LS
00:22	MP58104-S2	1		rerun with LS
00:27	JE21269-5	1		(sample used for QC only; not part of login JE21194)
00:32	MP58104-SD1	5		rerun with LS
00:37	ZZZZZZ	1		
00:42	ZZZZZZ	1		
00:47	MA59582-CCV15	1		
00:52	MA59582-CCB16	1		
00:57	ZZZZZZ	1		
01:03	ZZZZZZ	1		
01:08	ZZZZZZ	1		
01:13	MA59582-CCV16	1		
01:18	MA59582-CCB17	1		
01:23	MP58073-MB1	1		
01:28	MP58073-B1	1		
01:34	MP58073-S1	1		Ca high
01:39	MP58073-S2	1		Ca high
01:45	JE21273-1	1		(sample used for QC only; not part of login JE21194)
01:50	MP58073-SD1	5		Ca high
01:55	MP58073-PS1	1		
02:00	ZZZZZZ	1		
02:06	ZZZZZZ	1		
02:11	ZZZZZZ	1		
02:16	MA59582-CCV17	1		
02:21	MA59582-CCB18	1		
02:26	ZZZZZZ	1		
02:26	ZZZZZZ	1		
02:31	ZZZZZZ	1		
02:37	ZZZZZZ	1		
02:42	ZZZZZZ	1		
02:47	ZZZZZZ	1		
02:53	ZZZZZZ	1		
02:58	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA59582
Parameters: Fe,Mn

Time	Sample Description	Dilution Factor	PS Recov	Comments
03:03	ZZZZZZ	1		
03:08	ZZZZZZ	1		
03:13	ZZZZZZ	1		
03:18	MA59582-CCV18	1		
03:23	MA59582-CCB19	1		
03:28	ZZZZZZ	1		
03:33	ZZZZZZ	1		
03:38	ZZZZZZ	1		
03:43	ZZZZZZ	1		
03:48	ZZZZZZ	1		
03:53	ZZZZZZ	1		
03:58	MA59582-CCV19	1		
04:03	MA59582-CCB20	1		
04:08	MP58076-MB1	1		
04:13	MP58076-B1	1		
04:18	MP58076-S1	1		
04:24	MP58076-S2	1		
04:29	JE19853-3R	1		(sample used for QC only; not part of login JE21194)
04:34	MP58076-SD1	5		empty
04:39	ZZZZZZ	1		
04:44	ZZZZZZ	1		
04:49	ZZZZZZ	1		
04:55	ZZZZZZ	1		
05:00	MA59582-CCV20	1		
05:05	MA59582-CCB21	1		
05:10	ZZZZZZ	1		
05:15	ZZZZZZ	1		
05:21	ZZZZZZ	1		
05:26	ZZZZZZ	1		
05:32	ZZZZZZ	1		
05:37	ZZZZZZ	1		
05:42	ZZZZZZ	1		
05:47	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA59582
Parameters: Fe,Mn

Time	Sample Description	Dilution Factor	PS Recov	Comments
05:53	ZZZZZZ	1		
05:58	ZZZZZZ	1		
06:03	MA59582-CCV21	1		
06:08	MA59582-CCB22	1		
06:13	MP58101-MB1	1		instrument stopped

Refer to raw data for calibration curve and standards.

REPORTED ELEMENTS SUMMARY

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA59582
Parameters: Fe,Mn

Time	Sample Description	Element: Dilution	Fe	Mn	
10:05	MA59582-ICV1	1			
10:13	MA59582-ICB1	1			
10:22	MA59582-ICV2	1	X	X	
10:29	ZZZZZZ	1			
10:34	MA59582-ICB2	1	X	X	
10:41	MA59582-ICCV1	1	X	X	
10:50	ZZZZZZ	1			
10:55	MA59582-CCB1	1	X	X	
11:02	MA59582-CRI1	1			
11:07	MA59582-CRID1	1			
11:12	MA59582-ICSA1	1	X	X	
11:17	MA59582-ICSAB1	1	X	X	
11:22	MA59582-HSTD1	1	X	X	
11:28	MA59582-HSTD2	1	X	X	
11:34	ZZZZZZ	1			
11:39	ZZZZZZ	1			
11:44	ZZZZZZ	1			
11:49	ZZZZZZ	1			
11:54	MA59582-CCV1	1	X	X	
12:00	MA59582-CCB2	1	X	X	
12:05	MA59582-CRI2	1	X	X	
12:10	MA59582-CRID2	1	X	X	
12:14	MP58040-MB1	1	X	X	
12:19	MP58040-B1	1	X	X	
12:25	MP58040-S1	1	X	X	
12:30	MP58040-S2	1	X	X	
12:35	JE20433-1	1			(a)
12:40	MP58040-SD1	5	X	X	
12:45	ZZZZZZ	1			
12:50	ZZZZZZ	1			
12:55	MA59582-CCV2	1	X	X	
13:00	MA59582-CCB3	1	X	X	
13:05	ZZZZZZ	1			
		Element:	Fe	Mn	

REPORTED ELEMENTS SUMMARY

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA59582
Parameters: Fe,Mn

Time	Sample Description	Element: Dilution	Fe	Mn	
13:10	ZZZZZZ	1			
13:15	ZZZZZZ	1			
13:20	ZZZZZZ	1			
13:25	ZZZZZZ	1			
13:30	ZZZZZZ	1			
13:35	ZZZZZZ	1			
13:40	ZZZZZZ	1			
13:45	MP58072-MB1	1	X	X	
13:50	MP58072-B1	1	X	X	
13:55	MA59582-CCV3	1	X	X	
14:00	MA59582-CCB4	1	X	X	
14:05	MP58072-S1	1	X	X	
14:10	MP58072-S2	1	X	X	
14:16	JE21203-4	1	X	X	(a)
14:21	MP58072-SD1	5	X	X	
14:26	MP58072-PS1	1			
14:31	ZZZZZZ	1			
14:36	ZZZZZZ	1			
14:41	ZZZZZZ	1			
14:46	ZZZZZZ	1			
14:52	ZZZZZZ	1			
14:57	MA59582-CCV4	1	X	X	
15:02	MA59582-CCB5	1	X	X	
15:07	ZZZZZZ	1			
15:12	ZZZZZZ	1			
15:17	ZZZZZZ	1			
15:22	ZZZZZZ	1			
15:28	ZZZZZZ	1			
15:33	ZZZZZZ	1			
15:38	ZZZZZZ	1			
15:43	ZZZZZZ	1			
15:48	ZZZZZZ	1			
15:53	ZZZZZZ	1			
		Element:	Fe	Mn	

REPORTED ELEMENTS SUMMARY

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA59582
Parameters: Fe,Mn

Time	Sample Description	Element: Dilution	Fe	Mn
15:58	MA59582-CCV5	1	X	X
16:03	MA59582-CCB6	1	X	X
16:08	ZZZZZZ	1		
16:14	ZZZZZZ	1		
16:19	ZZZZZZ	1		
16:24	ZZZZZZ	1		
16:29	ZZZZZZ	1		
16:34	ZZZZZZ	1		
16:39	ZZZZZZ	1		
16:44	ZZZZZZ	1		
16:49	ZZZZZZ	1		
16:54	ZZZZZZ	1		
16:59	MA59582-CCV6	1	X	X
17:04	MA59582-CCB7	1	X	X
17:09	ZZZZZZ	1		
17:14	ZZZZZZ	1		
17:19	JE21194-1	1	X	X
17:24	ZZZZZZ	1		
17:29	ZZZZZZ	1		
17:34	ZZZZZZ	1		
17:39	ZZZZZZ	1		
17:44	MP57993-S1	1	X	X
17:49	MP57993-S2	1	X	X
17:55	MA59582-CCV7	1	X	X
18:00	MA59582-CCB8	1	X	X
18:05	MP57993-MB2	1	X	X
18:10	MP57993-B2	1	X	X
18:15	MP58092-B1	1		
18:20	MP58092-MB1	1		
18:25	MP58092-LB1	1		
18:30	MP58092-LS1	1		
18:35	MP58092-S1	1		
18:41	MP58092-S2	1		
		Element:	Fe	Mn

REPORTED ELEMENTS SUMMARY

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA59582
Parameters: Fe,Mn

Time	Sample Description	Element: Dilution	Fe	Mn	
18:46	MA59582-CCV8	1	X	X	
18:51	MA59582-CCB9	1	X	X	
18:56	JE20857-2	1			(a)
19:02	MP58092-SD1	5			
19:07	ZZZZZZ	1			
19:12	ZZZZZZ	1			
19:17	ZZZZZZ	1			
19:22	ZZZZZZ	1			
19:27	ZZZZZZ	1			
19:33	ZZZZZZ	1			
19:38	ZZZZZZ	1			
19:43	ZZZZZZ	1			
19:48	MA59582-CCV9	1	X	X	
19:53	MA59582-CCB10	1	X	X	
19:58	ZZZZZZ	1			
20:03	ZZZZZZ	1			
20:09	ZZZZZZ	1			
20:14	ZZZZZZ	1			
20:19	MA59582-CCV10	1	X	X	
20:24	MA59582-CCB11	1	X	X	
20:29	MP58103-MB1	1			
20:35	MP58103-LB1	1			
20:39	MP58103-B1	1			
20:45	MP58103-LS1	1			
20:50	ZZZZZZ	1			
20:55	ZZZZZZ	1			
21:00	MP58111-MB1	1			
21:05	MP58111-LB1	1			
21:10	MP58111-B1	1			
21:15	MP58111-LS1	1			
21:20	MA59582-CCV11	1	X	X	
21:26	MA59582-CCB12	1	X	X	
21:31	MP58111-S1	1			
		Element:	Fe	Mn	

REPORTED ELEMENTS SUMMARY

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA59582
Parameters: Fe,Mn

Time	Sample Description	Element: Dilution	Fe	Mn	
21:36	MP58111-S2	1			
21:41	JE21252-1	1			(a)
21:47	MP58111-SD1	5			
21:52	ZZZZZZ	1			
21:57	ZZZZZZ	1			
22:03	ZZZZZZ	1			
22:08	ZZZZZZ	1			
22:13	ZZZZZZ	1			
22:19	ZZZZZZ	1			
22:24	MA59582-CCV12	1	X	X	
22:29	MA59582-CCB13	1	X	X	
22:34	ZZZZZZ	1			
22:40	ZZZZZZ	1			
22:45	ZZZZZZ	1			
22:50	MA59582-CCV13	1	X	X	
22:55	MA59582-CCB14	1	X	X	
23:00	MP58093-MB1	1			
23:05	MP58093-LB1	1			
23:10	MP58093-B1	1			
23:15	MP58093-LS1	1			
23:20	MP58093-S1	1			
23:25	MP58093-S2	1			
23:30	JE20832-1A	1			(a)
23:35	MP58093-SD1	5			
23:40	ZZZZZZ	1			
23:46	MA59582-CCV14	1	X	X	
23:51	MA59582-CCB15	1	X	X	
23:56	MP58104-MB1	1			
00:01	MP58104-LB1	1			
00:06	MP58104-B1	1			
00:11	MP58104-LS1	1			
00:16	MP58104-S1	1			
00:22	MP58104-S2	1			
		Element:	Fe	Mn	

REPORTED ELEMENTS SUMMARY

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA59582
Parameters: Fe,Mn

Time	Sample Description	Dilution	Fe	Mn	
00:27	JE21269-5	1			(a)
00:32	MP58104-SD1	5			
00:37	ZZZZZZ	1			
00:42	ZZZZZZ	1			
00:47	MA59582-CCV15	1	X	X	
00:52	MA59582-CCB16	1	X	X	
00:57	ZZZZZZ	1			
01:03	ZZZZZZ	1			
01:08	ZZZZZZ	1			
01:13	MA59582-CCV16	1	X	X	
01:18	MA59582-CCB17	1	X	X	
01:23	MP58073-MB1	1	X	X	
01:28	MP58073-B1	1	X	X	
01:34	MP58073-S1	1	X	X	
01:39	MP58073-S2	1	X	X	
01:45	JE21273-1	1	X	X	(a)
01:50	MP58073-SD1	5	X	X	
01:55	MP58073-PS1	1		X	
02:00	ZZZZZZ	1			
02:06	ZZZZZZ	1			
02:11	ZZZZZZ	1			
02:16	MA59582-CCV17	1	X	X	
02:21	MA59582-CCB18	1	X	X	
02:26	ZZZZZZ	1			
02:26	ZZZZZZ	1			
02:31	ZZZZZZ	1			
02:37	ZZZZZZ	1			
02:42	ZZZZZZ	1			
02:47	ZZZZZZ	1			
02:53	ZZZZZZ	1			
02:58	ZZZZZZ	1			
03:03	ZZZZZZ	1			
03:08	ZZZZZZ	1			
		Element:	Fe	Mn	

REPORTED ELEMENTS SUMMARY

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA59582
Parameters: Fe,Mn

Time	Sample Description	Dilution	Element: Fe	Mn	
03:13	ZZZZZZ	1			
03:18	MA59582-CCV18	1	X	X	
03:23	MA59582-CCB19	1	X	X	
03:28	ZZZZZZ	1			
03:33	ZZZZZZ	1			
03:38	ZZZZZZ	1			
03:43	ZZZZZZ	1			
03:48	ZZZZZZ	1			
03:53	ZZZZZZ	1			
03:58	MA59582-CCV19	1	X	X	
04:03	MA59582-CCB20	1	X	X	
04:08	MP58076-MB1	1		X	
04:13	MP58076-B1	1		X	
04:18	MP58076-S1	1		X	
04:24	MP58076-S2	1		X	
04:29	JE19853-3R	1		X	(a)
04:34	MP58076-SD1	5	empty		
04:39	ZZZZZZ	1			
04:44	ZZZZZZ	1			
04:49	ZZZZZZ	1			
04:55	ZZZZZZ	1			
05:00	MA59582-CCV20	1	X	X	
05:05	MA59582-CCB21	1	X	X	
05:10	ZZZZZZ	1			
05:15	ZZZZZZ	1			
05:21	ZZZZZZ	1			
05:26	ZZZZZZ	1			
05:32	ZZZZZZ	1			
05:37	ZZZZZZ	1			
05:42	ZZZZZZ	1			
05:47	ZZZZZZ	1			
05:53	ZZZZZZ	1			
05:58	ZZZZZZ	1			
		Element:	F e	M n	

REPORTED ELEMENTS SUMMARY

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA59582
Parameters: Fe,Mn

Time	Sample Description	Dilution	Element: Fe	Mn
06:03	MA59582-CCV21	1	X	X
06:08	MA59582-CCB22	1	X	X
06:13	MP58101-MB1	1	instrument stopped	

(a) Sample used for QC only; not part of login JE21194.

Element:	Fe	Mn

INTERNAL STANDARD SUMMARY

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA59582
Parameters: Fe,Mn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
09:54	MA59582-STD1	9886 R	238100 R	36383 R	20629 R
09:59	MA59582-STD2	9391	224020	35677	18837
10:05	MA59582-ICV1	No results reported for the elements associated with this internal standard.			
10:13	MA59582-ICB1	No results reported for the elements associated with this internal standard.			
10:22	MA59582-ICV2	9573	232320	36180	19419
10:29	ZZZZZZ	9787	237030	36407	20703
10:34	MA59582-ICB2	9780	244000	36228	20756
10:41	MA59582-ICCV1	9532	233680	35883	19510
10:50	ZZZZZZ	9752	237500	36220	20767
10:55	MA59582-CCB1	9727	238200	36123	20763
11:02	MA59582-CRI1	No results reported for the elements associated with this internal standard.			
11:07	MA59582-CRID1	No results reported for the elements associated with this internal standard.			
11:12	MA59582-ICSA1	8749	207270	34578	17682
11:17	MA59582-ICSAB1	8742	209310	34677	17682
11:22	MA59582-HSTD1	9478	239770	36087	20410
11:28	MA59582-HSTD2	8840	211320	34611	17777
11:34	ZZZZZZ	9614	238790	35991	20848
11:39	ZZZZZZ	9926	224930	37211	19497
11:44	ZZZZZZ	9111	221560	35086	18862
11:49	ZZZZZZ	9681	239800	36029	20702
11:54	MA59582-CCV1	9430	231720	35714	19437
12:00	MA59582-CCB2	9670	240480	36090	20702
12:05	MA59582-CRI2	9586	235260	35929	20398
12:10	MA59582-CRID2	9648	240030	35992	20620
12:14	MP58040-MB1	9581	232580	35538	20599
12:19	MP58040-B1	9400	229600	35485	19668
12:25	MP58040-S1	9253	228470	35349	19141
12:30	MP58040-S2	9213	224440	35039	19073
12:35	JE20433-1	9239	226420	34941	19495
12:40	MP58040-SD1	9542	236420	35652	20339
12:45	ZZZZZZ	9276	228520	35133	19546
12:50	ZZZZZZ	9375	229500	35643	19668
12:55	MA59582-CCV2	9396	232140	35563	19330

INTERNAL STANDARD SUMMARY

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA59582
Parameters: Fe,Mn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
13:00	MA59582-CCB3	9647	241760	35768	20573
13:05	ZZZZZZ	9409	230890	35268	19936
13:10	ZZZZZZ	9395	229550	35026	19829
13:15	ZZZZZZ	9332	226040	35057	19733
13:20	ZZZZZZ	9547	237570	35395	20471
13:25	ZZZZZZ	9527	237470	35351	20427
13:30	ZZZZZZ	9533	237520	35152	20433
13:35	ZZZZZZ	9154	224270	34699	18959
13:40	ZZZZZZ	9625	239200	35894	20322
13:45	MP58072-MB1	9672	241090	35772	20501
13:50	MP58072-B1	9359	230160	34933	19378
13:55	MA59582-CCV3	9450	231900	35406	19303
14:00	MA59582-CCB4	9661	236980	35492	20516
14:05	MP58072-S1	9446	232090	35710	19031
14:10	MP58072-S2	9346	228230	35330	18892
14:16	JE21203-4	9750	233550	36158	19744
14:21	MP58072-SD1	9697	238650	36005	20262
14:26	MP58072-PS1	9576	235020	36046	19252
14:31	ZZZZZZ	9826	239710	37026	19912
14:36	ZZZZZZ	9872	242360	36778	20046
14:41	ZZZZZZ	9857	241850	37193	20009
14:46	ZZZZZZ	9980	246460	37407	20022
14:52	ZZZZZZ	9843	237370	36670	19808
14:57	MA59582-CCV4	9488	230590	35424	19276
15:02	MA59582-CCB5	9698	239520	35600	20455
15:07	ZZZZZZ	9698	236460	36403	19473
15:12	ZZZZZZ	9893	242250	37014	19976
15:17	ZZZZZZ	9824	240090	36289	19949
15:22	ZZZZZZ	9820	242870	36186	19912
15:28	ZZZZZZ	9426	227050	35638	18070
15:33	ZZZZZZ	9816	241000	36103	19957
15:38	ZZZZZZ	9778	240360	36262	19606
15:43	ZZZZZZ	9831	244450	36669	20175

INTERNAL STANDARD SUMMARY

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA59582
Parameters: Fe,Mn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
15:48	ZZZZZZ	9867	241270	36443	20225
15:53	ZZZZZZ	9720	235630	36229	19821
15:58	MA59582-CCV5	9516	231990	35331	19170
16:03	MA59582-CCB6	9736	236350	35374	20378
16:08	ZZZZZZ	9827	241610	36625	20079
16:14	ZZZZZZ	9579	237180	36469	19885
16:19	ZZZZZZ	9775	251190	36358	19939
16:24	ZZZZZZ	9409	231050	35140	19290
16:29	ZZZZZZ	9374	230880	35077	19218
16:34	ZZZZZZ	9610	236410	35475	19814
16:39	ZZZZZZ	9636	232940	35448	19853
16:44	ZZZZZZ	9496	233830	35360	19460
16:49	ZZZZZZ	9541	232730	35189	19627
16:54	ZZZZZZ	9357	226880	35053	19112
16:59	MA59582-CCV6	9505	232850	35194	19111
17:04	MA59582-CCB7	9761	240100	35469	20368
17:09	ZZZZZZ	9726	237820	35807	19919
17:14	ZZZZZZ	9801	239990	36179	19415
17:19	JE21194-1	9599	235560	36197	18583
17:24	ZZZZZZ	9700	239060	35387	20142
17:29	ZZZZZZ	9716	241120	35467	20195
17:34	ZZZZZZ	9721	238880	35698	20201
17:39	ZZZZZZ	9692	238640	35566	20162
17:44	MP57993-S1	9298	222940	35019	18553
17:49	MP57993-S2	9305	226950	34664	18587
17:55	MA59582-CCV7	9420	229730	34974	19012
18:00	MA59582-CCB8	9663	239170	35085	20260
18:05	MP57993-MB2	9723	237590	35270	20354
18:10	MP57993-B2	9555	232960	35039	19476
18:15	MP58092-B1	9510	235860	34958	19422
18:20	MP58092-MB1	9725	239350	35309	20373
18:25	MP58092-LB1	8987	211040	34399	17386
18:30	MP58092-LS1	9003	214260	34620	17231

INTERNAL STANDARD SUMMARY

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA59582
Parameters: Fe,Mn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
18:35	MP58092-S1	8846	211620	34213	16888
18:41	MP58092-S2	8937	210780	34390	17120
18:46	MA59582-CCV8	9476	229680	34911	19130
18:51	MA59582-CCB9	9682	239900	34877	20326
18:56	JE20857-2	8896	207760	34181	17098
19:02	MP58092-SD1	9313	224730	34567	18574
19:07	ZZZZZZ	8391	201990	33310	16162
19:12	ZZZZZZ	8982	212120	34322	17352
19:17	ZZZZZZ	8987	208860	34143	17469
19:22	ZZZZZZ	8946	208990	34110	17349
19:27	ZZZZZZ	8884	207730	34227	17121
19:33	ZZZZZZ	8878	209590	34231	17204
19:38	ZZZZZZ	8871	206820	33962	17166
19:43	ZZZZZZ	8920	206410	33748	17238
19:48	MA59582-CCV9	9412	230690	34780	19013
19:53	MA59582-CCB10	9665	238360	35184	20278
19:58	ZZZZZZ	8828	206110	33876	17060
20:03	ZZZZZZ	8730	206930	33575	16795
20:09	ZZZZZZ	8436	199810	33181	16284
20:14	ZZZZZZ	8468	202680	33216	16330
20:19	MA59582-CCV10	9430	228820	34563	19037
20:24	MA59582-CCB11	9651	238510	34771	20267
20:29	MP58103-MB1	9788	245450	35731	20447
20:35	MP58103-LB1	9763	244240	35433	20378
20:39	MP58103-B1	9543	235010	35180	19453
20:45	MP58103-LS1	9584	237220	35168	19548
20:50	ZZZZZZ	9759	241800	35102	20318
20:55	ZZZZZZ	9752	239590	35145	20299
21:00	MP58111-MB1	9780	239820	35398	20453
21:05	MP58111-LB1	8866	206790	33790	17248
21:10	MP58111-B1	9459	233860	35207	19343
21:15	MP58111-LS1	8780	209450	33626	16881
21:20	MA59582-CCV11	9358	227460	34457	18943

INTERNAL STANDARD SUMMARY

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA59582
Parameters: Fe,Mn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
21:26	MA59582-CCB12	9600	237370	34625	20218
21:31	MP58111-S1	8672	208530	33508	16699
21:36	MP58111-S2	8726	206090	33494	16782
21:41	JE21252-1	8651	204220	33279	16708
21:47	MP58111-SD1	9222	220560	34119	18508
21:52	ZZZZZZ	8644	205250	33567	16659
21:57	ZZZZZZ	8437	202980	32877	17042
22:03	ZZZZZZ	8437	201650	33069	16311
22:08	ZZZZZZ	8433	203370	32924	16355
22:13	ZZZZZZ	8561	205540	33190	16607
22:19	ZZZZZZ	8439	202540	33144	16321
22:24	MA59582-CCV12	9303	227080	34156	18971
22:29	MA59582-CCB13	9703	245310	34993	20576
22:34	ZZZZZZ	8521	212360	33178	16529
22:40	ZZZZZZ	8784	207900	33550	16882
22:45	ZZZZZZ	8785	198830	34109	16789
22:50	MA59582-CCV13	9402	224930	34537	18837
22:55	MA59582-CCB14	9622	235920	35069	20046
23:00	MP58093-MB1	9682	236990	34821	20153
23:05	MP58093-LB1	9681	240050	35042	20161
23:10	MP58093-B1	9427	231160	34700	19161
23:15	MP58093-LS1	9430	232010	34572	19239
23:20	MP58093-S1	9376	230290	34499	19086
23:25	MP58093-S2	9375	232650	34578	19094
23:30	JE20832-1A	9487	237910	34549	19737
23:35	MP58093-SD1	9526	235410	34313	20007
23:40	ZZZZZZ	9159	222860	34192	18455
23:46	MA59582-CCV14	9198	229540	33978	18718
23:51	MA59582-CCB15	9496	237280	34322	20019
23:56	MP58104-MB1	9767	242930	35036	20556
00:01	MP58104-LB1	8838	217310	34010	17370
00:06	MP58104-B1	9505	242540	34316	19545
00:11	MP58104-LS1	8977	205830	34109	17012

INTERNAL STANDARD SUMMARY

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA59582
Parameters: Fe,Mn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
00:16	MP58104-S1	9068	207860	34423	16986
00:22	MP58104-S2	8957	207940	34037	16794
00:27	JE21269-5	8888	205600	33971	16931
00:32	MP58104-SD1	9267	222260	33835	18360
00:37	ZZZZZZ	9411	223130	34509	18951
00:42	ZZZZZZ	8753	205400	33276	16862
00:47	MA59582-CCV15	9267	227280	33918	18734
00:52	MA59582-CCB16	9484	234530	34109	19925
00:57	ZZZZZZ	8937	210290	33831	17370
01:03	ZZZZZZ	8564	213770	33728	16744
01:08	ZZZZZZ	8531	210470	33055	16565
01:13	MA59582-CCV16	9406	224920	34619	18816
01:18	MA59582-CCB17	9637	234720	34679	19958
01:23	MP58073-MB1	9554	233030	34383	19722
01:28	MP58073-B1	9294	226280	33508	18777
01:34	MP58073-S1	9181	222180	34524	17735
01:39	MP58073-S2	9147	218790	34325	17781
01:45	JE21273-1	9499	231970	35204	18886
01:50	MP58073-SD1	9553	248720	34479	19740
01:55	MP58073-PS1	9368	227530	35010	18364
02:00	ZZZZZZ	9758	234700	35884	19256
02:06	ZZZZZZ	9644	229990	35677	18888
02:11	ZZZZZZ	9673	232530	35501	19125
02:16	MA59582-CCV17	9338	222740	33830	18625
02:21	MA59582-CCB18	9528	236050	33964	19792
02:26	ZZZZZZ	No results reported for the elements associated with this internal standard.			
02:26	ZZZZZZ	9728	233150	35928	19255
02:31	ZZZZZZ	9637	247070	36475	19443
02:37	ZZZZZZ	9731	246690	36018	19027
02:42	ZZZZZZ	9788	234220	36248	19526
02:47	ZZZZZZ	9643	224310	35801	18637
02:53	ZZZZZZ	9308	219020	34892	18062
02:58	ZZZZZZ	9311	224020	35004	18352

INTERNAL STANDARD SUMMARY

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA59582
Parameters: Fe,Mn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
03:03	ZZZZZZ	9694	236950	35315	19475
03:08	ZZZZZZ	9562	236620	34489	19467
03:13	ZZZZZZ	9639	238820	35083	19779
03:18	MA59582-CCV18	9406	237270	34844	19177
03:23	MA59582-CCB19	9569	245230	34680	20191
03:28	ZZZZZZ	9545	228680	34764	19197
03:33	ZZZZZZ	9798	239260	36178	19186
03:38	ZZZZZZ	9595	231140	34721	19330
03:43	ZZZZZZ	9585	234880	34912	19424
03:48	ZZZZZZ	9529	232120	34542	19402
03:53	ZZZZZZ	9628	235500	34598	19714
03:58	MA59582-CCV19	9456	243900	34933	19299
04:03	MA59582-CCB20	9558	244350	34269	20214
04:08	MP58076-MB1	9592	235440	34834	19898
04:13	MP58076-B1	9376	226560	34051	18907
04:18	MP58076-S1	10053	242190	37274	18533
04:24	MP58076-S2	10042	239860	37324	18710
04:29	JE19853-3R	10171	244970	36886	19586
04:34	MP58076-SD1	No results reported for the elements associated with this internal standard.			
04:39	ZZZZZZ	10448	261700	38451	19721
04:44	ZZZZZZ	10257	250890	37457	19558
04:49	ZZZZZZ	10131	237830	37400	19188
04:55	ZZZZZZ	10418	246380	38645	18809
05:00	MA59582-CCV20	9339	223890	34171	18624
05:05	MA59582-CCB21	9499	234140	33957	19701
05:10	ZZZZZZ	10098	245530	37852	18936
05:15	ZZZZZZ	10339	261460	39398	19150
05:21	ZZZZZZ	9966	247340	37152	18020
05:26	ZZZZZZ	9829	232440	37020	17499
05:32	ZZZZZZ	10006	237220	37226	17650
05:37	ZZZZZZ	10088	241290	37664	17889
05:42	ZZZZZZ	9897	240190	35944	19240
05:47	ZZZZZZ	10056	240740	36549	19539

INTERNAL STANDARD SUMMARY

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
Analyst: MM Run ID: MA59582
Parameters: Fe,Mn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
05:53	ZZZZZZ	10701	272270	39820	20171
05:58	ZZZZZZ	10314	260760	38018	19940
06:03	MA59582-CCV21	9379	226590	34416	18791
06:08	MA59582-CCB22	9587	231560	34443	19815
06:13	MP58101-MB1	No results reported for the elements associated with this internal standard.			

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	70-130 %
Istd#2	Yttrium (3600)	70-130 %
Istd#3	Yttrium (3710)	70-130 %
Istd#4	Indium	70-130 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA59582 Units: ug/l

Time: / Sample ID:			10:34 ICB2		10:55 CCB1		12:00 CCB2		13:00 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	27	anr							
Antimony	6.0	2.2	anr							
Arsenic	3.0	1.3	anr							
Barium	200	1	anr							
Beryllium	1.0	.2	anr							
Bismuth	20	2.1								
Boron	100	1								
Cadmium	3.0	.2	anr							
Calcium	5000	7.7	anr							
Cerium	100									
Chromium	10	.5	anr							
Cobalt	50	.4	anr							
Copper	10	6.8	anr							
Iron	100	15	4.90	<100	-5.50	<100	13.8	<100	0.200	<100
Lead	3.0	1.6	anr							
Lithium	50	3.7								
Magnesium	5000	54	anr							
Manganese	15	.1	0.100	<15	-0.300	<15	0.700	<15	0.400	<15
Molybdenum	20	.5	anr							
Nickel	10	.3	anr							
Phosphorus	50	1.8								
Potassium	10000	77	anr							
Selenium	10	2	anr							
Silicon	200	1.3								
Silver	10	.9	anr							
Sodium	10000	23	anr							
Strontium	10	.4								
Sulfur	50	4.1								
Thallium	10	1.6	anr							
Tin	10	.9								
Titanium	10	.9								
Tungsten	50	2								
Vanadium	50	.8	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA59582 Units: ug/l

Time: / Sample ID:			10:34 ICB2		10:55 CCB1		12:00 CCB2		13:00 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zinc	20	.2	anr							
Zirconium	10	.5								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA59582 Units: ug/l

Time: / Sample ID:			14:00 CCB4		15:02 CCB5		16:03 CCB6		17:04 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	27	anr							
Antimony	6.0	2.2	anr							
Arsenic	3.0	1.3	anr							
Barium	200	1	anr							
Beryllium	1.0	.2	anr							
Bismuth	20	2.1								
Boron	100	1								
Cadmium	3.0	.2	anr							
Calcium	5000	7.7	anr							
Cerium	100									
Chromium	10	.5	anr							
Cobalt	50	.4	anr							
Copper	10	6.8	anr							
Iron	100	15	9.30	<100	16.7	<100	25.1	<100	8.20	<100
Lead	3.0	1.6	anr							
Lithium	50	3.7								
Magnesium	5000	54	anr							
Manganese	15	.1	0.300	<15	0.500	<15	0.600	<15	0.100	<15
Molybdenum	20	.5	anr							
Nickel	10	.3	anr							
Phosphorus	50	1.8								
Potassium	10000	77	anr							
Selenium	10	2	anr							
Silicon	200	1.3								
Silver	10	.9	anr							
Sodium	10000	23	anr							
Strontium	10	.4								
Sulfur	50	4.1								
Thallium	10	1.6	anr							
Tin	10	.9								
Titanium	10	.9								
Tungsten	50	2								
Vanadium	50	.8	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA59582 Units: ug/l

Time: / Sample ID:			14:00 CCB4		15:02 CCB5		16:03 CCB6		17:04 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zinc	20	.2	anr							
Zirconium	10	.5								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA59582 Units: ug/l

Time:			18:00	
Sample ID:			CCB8	
Metal	RL	IDL	raw	final
Aluminum	200	27	anr	
Antimony	6.0	2.2	anr	
Arsenic	3.0	1.3	anr	
Barium	200	1	anr	
Beryllium	1.0	.2	anr	
Bismuth	20	2.1		
Boron	100	1		
Cadmium	3.0	.2	anr	
Calcium	5000	7.7	anr	
Cerium	100			
Chromium	10	.5	anr	
Cobalt	50	.4	anr	
Copper	10	6.8	anr	
Iron	100	15	4.40	<100
Lead	3.0	1.6	anr	
Lithium	50	3.7		
Magnesium	5000	54	anr	
Manganese	15	.1	0.300	<15
Molybdenum	20	.5	anr	
Nickel	10	.3	anr	
Phosphorus	50	1.8		
Potassium	10000	77	anr	
Selenium	10	2	anr	
Silicon	200	1.3		
Silver	10	.9	anr	
Sodium	10000	23	anr	
Strontium	10	.4		
Sulfur	50	4.1		
Thallium	10	1.6	anr	
Tin	10	.9		
Titanium	10	.9		
Tungsten	50	2		
Vanadium	50	.8	anr	

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA59582 Units: ug/l

Time:			18:00	
Sample ID:			CCB8	
Metal	RL	IDL	raw	final
Zinc	20	.2	anr	
Zirconium	10	.5		

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
QC Limits: to % Recovery Run ID: MA59582 Units: ug/l

Time:		10:41	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Bismuth			
Boron			
Cadmium	anr		
Calcium	anr		
Cerium			
Chromium	anr		
Cobalt	anr		
Copper	anr		
Iron	40000	39700	99.3
Lead	anr		
Lithium			
Magnesium	anr		
Manganese	2000	1980	99.0
Molybdenum	anr		
Nickel	anr		
Phosphorus			
Potassium	anr		
Selenium	anr		
Silicon			
Silver	anr		
Sodium	anr		
Strontium			
Sulfur			
Thallium	anr		
Tin			
Titanium			
Tungsten			
Vanadium	anr		

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
QC Limits: to % Recovery Run ID: MA59582 Units: ug/l

Time:		10:41	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec
Zinc	anr		
Zirconium			

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA59582 Units: ug/l

Time:		10:22			11:54			12:55	
Sample ID:	ICV	ICV2		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Bismuth									
Boron									
Cadmium	anr								
Calcium	anr								
Cerium									
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	40000	40400	101.0	40000	40500	101.3	40000	40800	102.0
Lead	anr								
Lithium									
Magnesium	anr								
Manganese	2000	2080	104.0	2000	2030	101.5	2000	2030	101.5
Molybdenum	anr								
Nickel	anr								
Phosphorus									
Potassium	anr								
Selenium	anr								
Silicon									
Silver	anr								
Sodium	anr								
Strontium									
Sulfur									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA59582 Units: ug/l

Time:		10:22			11:54			12:55	
Sample ID:	ICV	ICV2		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	anr								
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA59582 Units: ug/l

Time:		13:55			14:57			15:58	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Bismuth									
Boron									
Cadmium	anr								
Calcium	anr								
Cerium									
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	40000	40800	102.0	40000	41100	102.8	40000	41300	103.3
Lead	anr								
Lithium									
Magnesium	anr								
Manganese	2000	2040	102.0	2000	2030	101.5	2000	2070	103.5
Molybdenum	anr								
Nickel	anr								
Phosphorus									
Potassium	anr								
Selenium	anr								
Silicon									
Silver	anr								
Sodium	anr								
Strontium									
Sulfur									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA59582 Units: ug/l

Time:		13:55			14:57			15:58	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	anr								
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA59582 Units: ug/l

Time:		16:59			17:55	
Sample ID:	CCV	CCV6		CCV	CCV7	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum	anr					
Antimony	anr					
Arsenic	anr					
Barium	anr					
Beryllium	anr					
Bismuth						
Boron						
Cadmium	anr					
Calcium	anr					
Cerium						
Chromium	anr					
Cobalt	anr					
Copper	anr					
Iron	40000	41300	103.3	40000	41400	103.5
Lead	anr					
Lithium						
Magnesium	anr					
Manganese	2000	2060	103.0	2000	2070	103.5
Molybdenum	anr					
Nickel	anr					
Phosphorus						
Potassium	anr					
Selenium	anr					
Silicon						
Silver	anr					
Sodium	anr					
Strontium						
Sulfur						
Thallium	anr					
Tin						
Titanium						
Tungsten						
Vanadium	anr					

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA59582 Units: ug/l

Time:		16:59			17:55	
Sample ID:	CCV	CCV6		CCV	CCV7	
Metal	True	Results	% Rec	True	Results	% Rec
Zinc	anr					
Zirconium						

(*) Outside of QC limits
(anr) Analyte not requested

HIGH STANDARD CHECK SUMMARY

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 90 to 110 % Recovery Run ID: MA59582 Units: ug/l

Time:		11:22			11:28	
Sample ID:	HSTD	HSTD1		HSTD	HSTD2	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum						
Antimony	anr					
Arsenic	anr					
Barium	anr					
Beryllium	anr					
Bismuth						
Boron						
Cadmium	anr					
Calcium						
Cerium						
Chromium	anr					
Cobalt	anr					
Copper	anr					
Iron				200000	190000	95.0
Lead	anr					
Lithium						
Magnesium						
Manganese	8000	7690	96.1			
Molybdenum	anr					
Nickel	anr					
Phosphorus						
Potassium						
Selenium	anr					
Silicon						
Silver	anr					
Sodium						
Strontium						
Sulfur						
Thallium	anr					
Tin						
Titanium						
Tungsten						
Vanadium	anr					

HIGH STANDARD CHECK SUMMARY

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 90 to 110 % Recovery Run ID: MA59582 Units: ug/l

Time:		11:22			11:28	
Sample ID:	HSTD	HSTD1		HSTD	HSTD2	
Metal	True	Results	% Rec	True	Results	% Rec
Zinc	anr					
Zirconium						

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
QC Limits: CRI 80-120% CRIA 80-120% Run ID: MA59582 Units: ug/l

Time:				12:05		12:10	
Sample ID:	CRI	CRIA	CRID	CRI2		CRID2	
Metal	True	True	True	Results	% Rec	Results	% Rec
Aluminum	200	500	100	anr			
Antimony	6.0	20	3.0	anr			
Arsenic	8.0	20	3.0	anr			
Barium	200		4.0	anr			
Beryllium	2.0		1.0	anr			
Bismuth	20						
Boron	100		10				
Cadmium	3.0		1.0	anr			
Calcium	5000	2000	1000	anr			
Cerium							
Chromium	10		2.0	anr			
Cobalt	50		3.0	anr			
Copper	10		2.0	anr			
Iron	100	500		109	109.0		
Lead	3.0	20	2.5	anr			
Lithium	50						
Magnesium	5000	2000	100	anr			
Manganese	15		3.0	15.9	106.0	2.80	93.3
Molybdenum	20			anr			
Nickel	10		4.0	anr			
Phosphorus	50						
Potassium	5000		2000	anr			
Selenium	10	20	5.0	anr			
Silicon	200						
Silver	5.0		2.0	anr			
Sodium	5000		1000	anr			
Strontium	10						
Sulfur	50						
Thallium	10		2.0	anr			
Tin	10						
Titanium	10						
Tungsten	50						
Vanadium	50		2.0	anr			

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
QC Limits: CRI 80-120% CRIA 80-120% Run ID: MA59582 Units: ug/l

Time:				12:05		12:10	
Sample ID:	CRI	CRIA	CRID	CRI2		CRID2	
Metal	True	True	True	Results	% Rec	Results	% Rec
Zinc	20		10	anr			
Zirconium	10						

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 80 to 120 % Recovery Run ID: MA59582 Units: ug/l

Time:			11:12		11:17	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	500000	500000	504000	100.8	506000	101.2
Antimony		1000	-0.200		1030	103.0
Arsenic		1000	-1.00		1010	101.0
Barium		500	-7.40		510	102.0
Beryllium		500	-0.300		504	100.8
Bismuth		500	-0.400		509	101.8
Boron		500	-3.80		504	100.8
Cadmium		1000	-2.40		1040	104.0
Calcium	400000	400000	394000	98.5	385000	96.3
Cerium			15.0		530*	
Chromium		500	-0.200		475	95.0
Cobalt		500	-2.90		483	96.6
Copper		500	4.80		538	107.6
Iron	200000	200000	189000	94.5	189000	94.5
Lead		1000	0.300		911	91.1
Lithium		500	-2.70		555	111.0
Magnesium	500000	500000	498000	99.6	495000	99.0
Manganese		500	-2.90		500	100.0
Molybdenum		500	-4.70		492	98.4
Nickel		1000	0.00		988	98.8
Phosphorus		500	-12.4		517	103.4
Potassium			97.5		142	
Selenium		1000	-3.80		1010	101.0
Silicon		500	-7.80		488	97.6
Silver		1000	0.200		1110	111.0
Sodium			-19.7		-50.8	
Strontium		500	-1.30		511	102.2
Sulfur		500	-13.6		485	97.0
Thallium		1000	3.30		957	95.7
Tin		500	-2.00		480	96.0
Titanium		500	-1.00		494	98.8
Tungsten		500	-4.10		474	94.8
Vanadium		500	-1.80		491	98.2

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: SD102025M1.ICP Date Analyzed: 10/20/25 Methods: EPA 200.7, SW846 6010D
QC Limits: 80 to 120 % Recovery Run ID: MA59582 Units: ug/l

Time:			11:12		11:17	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1	
Metal	True	True	Results	% Rec	Results	% Rec
Zinc		1000	-3.50		954	95.4
Zirconium		500	1.00		479	95.8

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

QC Batch ID: MP58034
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

Prep Date: 10/17/25

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	17	150		
Antimony	6.0	1.7	4.7		
Arsenic	3.0	1.3	2.8		
Barium	200	.8	13		
Beryllium	1.0	.2	.5		
Bismuth	20	2.1	8.6		
Boron	100	1	10		
Cadmium	3.0	.2	1		
Calcium	5000	6.6	99		
Cerium	100				
Chromium	10	.3	2		
Cobalt	50	.4	2.6		
Copper	10	.8	5.9		
Iron	100	5.3	32	15.9	<100
Lead	3.0	1.6	1.8		
Lithium	50	3.7	7.3		
Magnesium	5000	32	140		
Manganese	15	.1	1.4	0.50	<15
Molybdenum	20	.5	3.6		
Nickel	10	.3	1.7		
Phosphorus	50	1.2	18		
Potassium	10000	77	200		
Selenium	10	2	4.9		
Silicon	200	1.3	32		
Silver	10	.9	6.1		
Sodium	10000	23	570		
Strontium	10	.3	2.7		
Sulfur	50	3	45		
Thallium	10	1.6	1.8		
Tin	10	.8	3.7		
Titanium	10	.5	2.5		
Tungsten	50	2	40		
Vanadium	50	.6	1.8		

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

QC Batch ID: MP58034
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

Prep Date: 10/17/25

Metal	RL	IDL	MDL	MB raw	final
Zinc	20	.1	6.9		
Zirconium	10	.3	4.1		

Associated samples MP58034: JE21194-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

QC Batch ID: MP58034
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

Prep Date: 10/17/25

Metal	JE21222-1 Original	MS	Spikelot MPSPK2	% Rec	QC Limits
Aluminum	anr				
Antimony	anr				
Arsenic	anr				
Barium	anr				
Beryllium	anr				
Bismuth					
Boron					
Cadmium	anr				
Calcium	anr				
Cerium					
Chromium	anr				
Cobalt	anr				
Copper	anr				
Iron	317	25500	25000	100.7	75-125
Lead	anr				
Lithium					
Magnesium	anr				
Manganese	122	2110	2000	99.4	75-125
Molybdenum					
Nickel	anr				
Phosphorus					
Potassium	anr				
Selenium	anr				
Silicon					
Silver	anr				
Sodium	anr				
Strontium					
Sulfur					
Thallium	anr				
Tin					
Titanium					
Tungsten					
Vanadium	anr				

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

QC Batch ID: MP58034
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

Prep Date: 10/17/25

Metal	JE21222-1 Original MS	Spikelot MPSPK2	% Rec	QC Limits
Zinc	anr			
Zirconium				

Associated samples MP58034: JE21194-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

QC Batch ID: MP58034
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

Prep Date: 10/17/25

Metal	JE21222-1 Original	MSD	Spikelot MPSPK2	% Rec	MSD RPD	QC Limit
Aluminum	anr					
Antimony	anr					
Arsenic	anr					
Barium	anr					
Beryllium	anr					
Bismuth						
Boron						
Cadmium	anr					
Calcium	anr					
Cerium						
Chromium	anr					
Cobalt	anr					
Copper	anr					
Iron	317	25000	25000	98.7	2.0	20
Lead	anr					
Lithium						
Magnesium	anr					
Manganese	122	2080	2000	97.9	1.4	20
Molybdenum						
Nickel	anr					
Phosphorus						
Potassium	anr					
Selenium	anr					
Silicon						
Silver	anr					
Sodium	anr					
Strontium						
Sulfur						
Thallium	anr					
Tin						
Titanium						
Tungsten						
Vanadium	anr					

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

QC Batch ID: MP58034 Methods: SW846 6010D
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 10/17/25

Metal	JE21222-1 Original MSD	Spikelot MPSPK2	% Rec	MSD RPD	QC Limit
Zinc	anr				
Zirconium					

Associated samples MP58034: JE21194-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

QC Batch ID: MP58034
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

Prep Date: 10/17/25

Metal	BSP Result	Spikelot MPSPK2	% Rec	QC Limits
Aluminum	anr			
Antimony	anr			
Arsenic	anr			
Barium	anr			
Beryllium	anr			
Bismuth				
Boron				
Cadmium	anr			
Calcium	anr			
Cerium				
Chromium	anr			
Cobalt	anr			
Copper	anr			
Iron	25600	25000	102.4	80-120
Lead	anr			
Lithium				
Magnesium	anr			
Manganese	2070	2000	103.5	80-120
Molybdenum				
Nickel	anr			
Phosphorus				
Potassium	anr			
Selenium	anr			
Silicon				
Silver	anr			
Sodium	anr			
Strontium				
Sulfur				
Thallium	anr			
Tin				
Titanium				
Tungsten				
Vanadium	anr			

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

QC Batch ID: MP58034
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

Prep Date: 10/17/25

Metal	BSP Result	Spikelot MPSPK2	% Rec	QC Limits
Zinc	anr			
Zirconium				

Associated samples MP58034: JE21194-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

QC Batch ID: MP58034
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

Prep Date: 10/17/25

Metal	JE21222-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum	anr			
Antimony	anr			
Arsenic	anr			
Barium	anr			
Beryllium	anr			
Bismuth				
Boron				
Cadmium	anr			
Calcium	anr			
Cerium				
Chromium	anr			
Cobalt	anr			
Copper	anr			
Iron	317	333	5.2	0-10
Lead	anr			
Lithium				
Magnesium	anr			
Manganese	122	128	5.2	0-10
Molybdenum				
Nickel	anr			
Phosphorus				
Potassium	anr			
Selenium	anr			
Silicon				
Silver	anr			
Sodium	anr			
Strontium				
Sulfur				
Thallium	anr			
Tin				
Titanium				
Tungsten				
Vanadium	anr			

SERIAL DILUTION RESULTS SUMMARY

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

QC Batch ID: MP58034
Matrix Type: AQUEOUS

Methods: SW846 6010D
Units: ug/l

Prep Date: 10/17/25

Metal	JE21222-1 Original SDL 1:5	%DIF	QC Limits
Zinc	anr		
Zirconium			

Associated samples MP58034: JE21194-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

Instrument Detection Limits

Job Number: JE21194
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Instrument ID: SSTRACE3 **Effective Date:** 02/11/21

Analyte	IDL ug/l
Aluminum	16.6
Antimony	1.7
Arsenic	2.1
Barium	.8
Beryllium	.3
Bismuth	2.3
Boron	2.3
Cadmium	.3
Calcium	6.6
Chromium	.3
Cobalt	.4
Copper	.8
Iron	5.3
Lead	1.1
Lithium	4.8
Magnesium	32.3
Manganese	.1
Molybdenum	.6
Nickel	.4
Phosphorus	1.2
Potassium	76.5
Selenium	3.2
Silicon	1.7
Silver	1
Sodium	34.4
Sulfur	3
Strontium	.3
Thallium	1.8
Tin	.8
Titanium	.5
Tungsten	2.6
Vanadium	.6
Yttrium	5
Zinc	.1
Zirconium	.3

The above applies to the following instrument runs:
MA59580

Instrument Detection Limits

Job Number: JE21194
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Instrument ID: SSTRACE4 **Effective Date:** 02/11/21

Analyte	IDL ug/l
Aluminum	26.5
Antimony	2.2
Arsenic	1.3
Barium	1
Beryllium	.2
Bismuth	2.1
Boron	1
Cadmium	.2
Calcium	7.7
Chromium	.5
Cobalt	.4
Copper	6.8
Iron	14.6
Lead	1.6
Lithium	3.7
Magnesium	53.9
Manganese	.1
Molybdenum	.5
Nickel	.3
Phosphorus	1.8
Potassium	76.8
Selenium	2
Silicon	1.3
Silver	.9
Sodium	23.4
Sulfur	4.1
Strontium	.4
Thallium	1.6
Tin	.9
Titanium	.9
Tungsten	2
Vanadium	.8
Zinc	.2
Zirconium	.5

The above applies to the following instrument runs:
MA59582

Instrument Linear Ranges

Job Number: JE21194
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Instrument ID: SSTRACE3 **Effective Date:** 08/22/19

Analyte	Linear Range ug/l
Aluminum	300000
Antimony	8000
Arsenic	8000
Barium	8000
Beryllium	8000
Bismuth	8000
Boron	8000
Cadmium	8000
Calcium	200000
Cerium	8000
Chromium	8000
Cobalt	8000
Copper	8000
Iron	200000
Lead	8000
Lithium	8000
Magnesium	300000
Manganese	8000
Molybdenum	8000
Nickel	8000
Palladium	8000
Phosphorus	8000
Potassium	200000
Selenium	8000
Silicon	25000
Silver	625
Sodium	200000
Sulfur	100000
Strontium	8000
Thallium	8000
Tin	8000
Titanium	8000
Tungsten	8000
Vanadium	8000
Zinc	8000
Zirconium	8000

The above applies to the following instrument runs:
MA59580

Instrument Linear Ranges

Job Number: JE21194
Account: BBLNYS Arcadis
Project: Saratoga Springs, NY

Instrument ID: SSTRACE4 **Effective Date:** 08/22/19

Analyte	Linear Range ug/l
Aluminum	300000
Antimony	8000
Arsenic	8000
Barium	8000
Beryllium	8000
Bismuth	8000
Boron	8000
Cadmium	8000
Calcium	200000
Cerium	8000
Chromium	8000
Cobalt	8000
Copper	8000
Iron	200000
Lead	8000
Lithium	8000
Magnesium	300000
Manganese	8000
Molybdenum	8000
Nickel	8000
Palladium	8000
Phosphorus	8000
Potassium	200000
Selenium	8000
Silicon	25000
Silver	625
Sodium	200000
Sulfur	100000
Strontium	8000
Thallium	8000
Tin	8000
Titanium	8000
Tungsten	8000
Vanadium	8000
Zinc	8000
Zirconium	8000

The above applies to the following instrument runs:
MA59582

Metals Analysis

Raw Data

Zoom In ▶ Zoom Out

Sample Name: STDA Acquired: 10/20/2025 7:19:58 Type: Cal
Method: SGS 3 NO Valve(v160) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0002**	**.0002**	**-.0001**	**.0005**	**.0011**	**.0004**	**-.0013**	**.0038**	**.0008**
Stddev	.0001	.0002	.0001	.0001	.0005	.0002	.0001	.0001	.0001
%RSD	41.75	80.28	100.7	25.61	40.90	44.59	8.280	3.177	15.24
#1	-.0001	.0001	-.0001	.0006	.0010	.0002	-.0014	.0037	.0009
#2	-.0002	.0005	-.0001	.0005	.0008	.0005	-.0015	.0040	.0007
#3	-.0002	.0002	.0000	.0004	.0017	.0006	-.0012	.0037	.0007

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0002**	**-.0002**	**-.0000**	**.0095**	**.0000**	**.0006**	**.0011**	**-.0002**	**.0001**
Stddev	.0001	.0000	.0000	.0001	.0001	.0001	.0003	.0001	.0000
%RSD	30.35	9.777	680.7	.6676	5819.	22.23	24.46	90.43	22.92
#1	-.0001	-.0002	-.0000	.0094	.0001	.0006	.0013	.0000	.0001
#2	-.0003	-.0002	.0000	.0095	-.0000	.0005	.0013	-.0002	.0001
#3	-.0002	-.0003	-.0000	.0096	-.0000	.0008	.0008	-.0003	.0001

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0009**	**.0028**	**.0003**	**-.0014**	**.0000**	**.0003**	**.0005**	**.0001**	**.0048**
Stddev	.0002	.0003	.0000	.0001	.0001	.0001	.0003	.0002	.0002
%RSD	21.65	9.489	8.882	6.423	682.7	43.30	68.18	456.4	3.506
#1	.0011	.0031	.0004	-.0014	.0000	.0004	.0008	.0003	.0049
#2	.0008	.0026	.0003	-.0015	-.0001	.0003	.0003	-.0002	.0046
#3	.0007	.0027	.0003	-.0013	.0001	.0002	.0002	.0001	.0049

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0003**	**.0006**	**-.0000**	**-.0002**	**.0000**	**.0009**	**.0019**	**-.0005**
Stddev	.0000	.0002	.0000	.0001	.0000	.0003	.0002	.0000
%RSD	11.86	34.64	757.7	26.08	231.1	36.50	11.14	9.008
#1	.0003	.0008	-.0000	-.0002	.0000	.0012	.0021	-.0006
#2	.0003	.0005	-.0000	-.0003	.0000	.0010	.0018	-.0005
#3	.0004	.0004	.0000	-.0002	-.0000	.0005	.0017	-.0005

◀ Zoom In ▶ Zoom Out

Sample Name: STDA Acquired: 10/20/2025 7:19:58 Type: Cal
Method: SGS 3 NO Valve(v160) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6126.6**	**99934.**	**16913.**	**3100.1**
Stddev	14.1	526.	121.	9.0
%RSD	.22946	.52610	.71684	.28992
#1	6122.5	100500.	16806.	3095.0
#2	6142.3	99457.	16888.	3110.5
#3	6115.1	99846.	17045.	3094.9

◀ Zoom In ▶ Zoom Out

Sample Name: MP58070-B1 Acquired: 10/20/2025 9:37:03 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2407**	**23.19**	**1.757**	**1.965**	**1.802**	**1.928**	**-.0079**	**24.23**
Stddev	.0002	.01	.006	.010	.004	.004	.0007	.08
%RSD	.1016	.0413	.3289	.5123	.2172	.2324	9.273	.3440
#1	.2407	23.19	1.764	1.976	1.806	1.930	-.0081	24.22
#2	.2405	23.20	1.752	1.960	1.798	1.932	-.0084	24.31
#3	.2410	23.18	1.755	1.958	1.802	1.923	-.0070	24.15

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.868**	**.0098**	**1.905**	**1.886**	**1.779**	**23.50**	**22.87**	**.0008**
Stddev	.006	.0022	.003	.002	.005	.04	.04	.0009
%RSD	.3166	22.75	.1704	.1297	.2766	.1571	.1823	118.7
#1	1.875	.0072	1.907	1.885	1.785	23.52	22.91	-.0000
#2	1.865	.0109	1.901	1.884	1.776	23.53	22.86	.0006
#3	1.864	.0112	1.906	1.889	1.777	23.46	22.83	.0018

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.33**	**1.934**	**1.874**	**23.23**	**1.903**	**.0165**	**1.882**	**-.0084**
Stddev	.15	.006	.005	.01	.005	.0019	.005	.0011
%RSD	.6515	.3031	.2735	.0392	.2520	11.47	.2619	13.40
#1	23.37	1.941	1.879	23.24	1.904	.0143	1.884	-.0085
#2	23.46	1.930	1.869	23.24	1.897	.0179	1.877	-.0072
#3	23.16	1.931	1.872	23.22	1.907	.0172	1.886	-.0095

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.815**	**1.770**	**2.008**	**1.895**	**1.900**	**1.855**	W **1.847**	**1.853**
Stddev	.009	.007	.008	.000	.002	.002	.002	.001
%RSD	.5011	.3784	.3814	.0159	.1060	.1268	.0971	.0508
#1	1.826	1.778	2.016	1.895	1.902	1.852	1.846	1.854
#2	1.810	1.765	2.006	1.895	1.900	1.856	1.846	1.852
#3	1.810	1.768	2.001	1.895	1.899	1.857	1.849	1.854

◀ Zoom In ▶ Zoom Out

Sample Name: MP58070-B1 Acquired: 10/20/2025 9:37:03 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**1.554**	**1.905**	**1.880**
Stddev	.004	.004	.005
%RSD	.2807	.2060	.2871
#1	1.550	1.902	1.886
#2	1.554	1.903	1.877
#3	1.558	1.909	1.877

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6177.3**	**99842.**	**16745.**	**3088.3**
Stddev	11.8	163.	114.	3.7
%RSD	.19100	.16318	.67915	.11956
#1	6190.7	99654.	16786.	3088.9
#2	6172.9	99944.	16616.	3084.4
#3	6168.3	99928.	16832.	3091.7

Zoom In Zoom Out

Sample Name: STDB Acquired: 10/20/2025 7:25:00 Type: Cal
Method: SGS 3 NO Valve(v160) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0742**	**3.854**	**.2510**	**1.069**	**8.876**	**11.47**	**.9933**	**7.158**	**4.373**
Stddev	.0002	.008	.0009	.002	.098	.02	.0025	.028	.011
%RSD	.3346	.2080	.3735	.2077	1.107	.1904	.2538	.3957	.2477
#1	.0739	3.863	.2515	1.069	8.982	11.49	.9954	7.190	4.377
#2	.0743	3.847	.2500	1.066	8.859	11.46	.9905	7.147	4.360
#3	.0744	3.852	.2517	1.071	8.787	11.45	.9939	7.136	4.381

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.1922**	**1.717**	**.4996**	**1.323**	**3.486**	**1.375**	**1.610**	**.5580**	**2.945**
Stddev	.0002	.002	.0018	.006	.012	.003	.002	.0031	.045
%RSD	.1024	.1329	.3661	.4510	.3329	.1799	.0937	.5519	1.527
#1	.1922	1.718	.4984	1.325	3.498	1.377	1.608	.5614	2.952
#2	.1925	1.715	.4987	1.328	3.483	1.376	1.610	.5569	2.897
#3	.1921	1.719	.5017	1.317	3.476	1.373	1.611	.5555	2.986

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2.634**	**6.039**	**1.466**	**.3536**	**.6995**	**.2113**	**.6954**	**.3156**	**2.282**
Stddev	.008	.007	.002	.0011	.0016	.0002	.0019	.0004	.005
%RSD	.2947	.1185	.1297	.3041	.2335	.0874	.2761	.1281	.2371
#1	2.638	6.048	1.466	.3535	.7000	.2111	.6957	.3152	2.283
#2	2.625	6.035	1.464	.3526	.6977	.2112	.6934	.3154	2.276
#3	2.638	6.036	1.467	.3547	.7009	.2115	.6972	.3160	2.287

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.4780**	**18.20**	**.5849**	**.1431**	**.8664**	**1.449**	**3.605**	**1.955**
Stddev	.0011	.49	.0008	.0004	.0008	.003	.010	.002
%RSD	.2229	2.672	.1311	.2820	.0956	.2309	.2649	.0815
#1	.4786	18.27	.5841	.1433	.8661	1.449	3.610	1.955
#2	.4767	17.68	.5852	.1427	.8657	1.446	3.594	1.956
#3	.4786	18.64	.5856	.1434	.8673	1.452	3.611	1.953

Zoom In Zoom Out

Sample Name: STDB Acquired: 10/20/2025 7:25:00 Type: Cal
Method: SGS 3 NO Valve(v160) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6126.4**	**99958.**	**16687.**	**3023.4**
Stddev	12.3	205.	149.	8.0
%RSD	.20057	.20490	.89428	.26443
#1	6134.1	100140.	16515.	3026.9
#2	6132.8	99992.	16787.	3029.2
#3	6112.2	99739.	16758.	3014.3

Zoom In Zoom Out

Sample Name: ICV Acquired: 10/20/2025 7:30:03 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.2627**	**39.70**	**1.989**	**2.032**	**2.013**	**2.054**	**1.965**	**39.97**	**2.062**
Stddev	.0005	.05	.004	.005	.004	.004	.009	.14	.005
%RSD	.1943	.1139	.2255	.2270	.1890	.1846	.4756	.3565	.2471
#1	.2630	39.65	1.987	2.032	2.014	2.053	1.971	39.81	2.060
#2	.2630	39.71	1.986	2.028	2.009	2.051	1.954	40.05	2.058
#3	.2621	39.74	1.994	2.037	2.017	2.059	1.970	40.06	2.068
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.2500								
Range	5.000%								

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.039**	**2.057**	**2.053**	**1.957**	**39.71**	**38.87**	F **2.121**	**40.36**	**2.095**
Stddev	.006	.002	.004	.004	.05	.04	.008	.26	.006
%RSD	.2967	.0952	.2076	.2049	.1314	.0941	.3903	.6324	.2969
#1	2.040	2.055	2.058	1.953	39.67	38.88	2.123	40.08	2.102
#2	2.044	2.056	2.052	1.961	39.76	38.89	2.111	40.40	2.094
#3	2.032	2.059	2.049	1.957	39.68	38.82	2.128	40.59	2.090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value							2.000		
Range							5.000%		

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.024**	**39.60**	**2.070**	**2.044**	**2.065**	**2.030**	**2.026**	**2.058**	**5.040**
Stddev	.006	.01	.004	.006	.004	.006	.003	.004	.011
%RSD	.2807	.0246	.2142	.3103	.1988	.2757	.1667	.2008	.2253
#1	2.022	39.61	2.068	2.040	2.065	2.036	2.028	2.059	5.043
#2	2.019	39.59	2.067	2.040	2.061	2.025	2.023	2.054	5.028
#3	2.030	39.59	2.075	2.051	2.069	2.031	2.029	2.062	5.050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ICV Acquired: 10/20/2025 7:30:03 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.042**	**2.030**	**2.014**	**2.035**	**2.029**	**2.025**	**2.074**	**2.046**
Stddev	.005	.003	.003	.007	.004	.007	.012	.004
%RSD	.2301	.1416	.1381	.3264	.2176	.3393	.5662	.1924
#1	2.037	2.032	2.017	2.027	2.033	2.023	2.061	2.049
#2	2.040	2.027	2.012	2.039	2.029	2.019	2.075	2.048
#3	2.047	2.032	2.012	2.038	2.025	2.032	2.085	2.042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6127.0**	**98710.**	**16702.**	**3050.4**
Stddev	7.1	275.	202.	6.7
%RSD	.11623	.27906	1.2117	.22056
#1	6131.4	98392.	16935.	3054.2
#2	6130.7	98866.	16572.	3054.4
#3	6118.7	98873.	16600.	3042.6

Zoom In Zoom Out

Sample Name: ICB Acquired: 10/20/2025 7:36:38 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**-.0017**	**.0004**	**.0027**	**-.0001**	**.0001**	**-.0012**	**.0006**	**-.0001**
Stddev	.0006	.0004	.0020	.0001	.0001	.0001	.0012	.0008	.0001
%RSD	288.6	23.27	570.0	3.800	155.8	71.62	104.9	123.4	51.87
#1	-.0005	-.0013	-.0017	.0027	-.0002	.0001	-.0000	.0015	-.0000
#2	-.0005	-.0021	.0004	.0028	.0000	.0000	-.0024	-.0001	-.0001
#3	.0005	-.0017	.0024	.0026	-.0001	.0001	-.0010	.0005	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0015**	**.0001**	**.0000**	**-.0002**	**.0006**	**.0210**	**-.0012**	**-.0080**	**-.0000**
Stddev	.0016	.0002	.0005	.0002	.0001	.0527	.0008	.0179	.0000
%RSD	105.9	148.3	1058.	67.36	20.51	250.8	70.70	225.4	139.3
#1	.0008	-.0001	.0000	-.0001	.0007	-.0396	-.0019	-.0286	-.0000
#2	.0004	.0002	-.0004	-.0003	.0005	.0463	-.0002	.0013	.0000
#3	.0034	.0002	.0005	-.0004	.0005	.0564	-.0015	.0035	-.0001
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**-.0003**	**.0000**	**.0006**	**.0007**	**.0028**	**-.0005**	**-.0022**	**-.0017**
Stddev	.0003	.0050	.0002	.0015	.0007	.0025	.0013	.0021	.0010
%RSD	483.9	1498.	381.5	261.6	101.9	87.83	241.7	93.94	57.12
#1	-.0003	.0005	-.0001	-.0010	.0005	.0006	-.0009	.0001	-.0027
#2	.0002	-.0057	.0002	.0007	.0001	.0055	.0009	-.0029	-.0007
#3	-.0001	.0042	-.0000	.0020	.0014	.0024	-.0016	-.0039	-.0019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ICB Acquired: 10/20/2025 7:36:38 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0004**	**.0001**	**-.0001**	**-.0005**	**-.0001**	**-.0010**	**-.0001**	**.0001**
Stddev	.0015	.0000	.0001	.0015	.0002	.0001	.0001	.0000
%RSD	349.7	72.47	68.94	312.0	220.6	7.904	130.0	32.33
#1	-.0014	.0001	-.0000	-.0022	-.0001	-.0010	-.0002	.0001
#2	.0013	.0001	-.0001	.0002	-.0002	-.0010	.0000	.0001
#3	-.0011	.0000	-.0002	.0005	.0001	-.0009	-.0001	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6183.4**	**100210.**	**16775.**	**3129.0**
Stddev	2.4	580.	11.	4.2
%RSD	.03861	.57894	.06788	.13375
#1	6184.0	100160.	16783.	3128.5
#2	6185.5	100810.	16762.	3133.4
#3	6180.8	99653.	16780.	3125.0

Zoom In Zoom Out

Sample Name: JE21268-4 Acquired: 10/20/2025 17:45:44 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: RUSH 10/21

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0025**	**.0462**	**.0017**	**.2743**	**1.610**	**-.0002**	**.0006**	F **562.8**
Stddev	.0004	.0036	.0014	.0013	.005	.0000	.0002	11.3
%RSD	15.49	7.862	82.39	.4805	.2952	11.18	33.39	2.008
#1	.0021	.0432	.0001	.2728	1.615	-.0002	.0008	551.1
#2	.0025	.0451	.0027	.2749	1.606	-.0002	.0005	573.7
#3	.0029	.0502	.0023	.2752	1.609	-.0002	.0004	563.7

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.0028**	**.0096**	**.0027**	**-.0001**	**.0046**	**.2207**	**1.350**	**.0035**
Stddev	.0001	.0004	.0002	.0003	.0002	.0012	.042	.0006
%RSD	1.904	4.453	6.361	336.7	4.004	.5458	3.095	18.20
#1	-.0027	.0096	.0029	.0002	.0048	.2206	1.368	.0032
#2	-.0028	.0100	.0025	-.0002	.0044	.2195	1.380	.0031
#3	-.0028	.0092	.0028	-.0003	.0046	.2219	1.302	.0043

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.341**	F **21.70**	**.0001**	F **1402.**	**.0171**	**-.0091**	**.0036**	**.5643**
Stddev	.012	.10	.0003	31.	.0002	.0021	.0010	.0039
%RSD	.1895	.4562	216.5	2.245	1.099	23.07	28.79	.6993
#1	6.332	21.66	.0004	1367.	.0170	-.0112	.0041	.5604
#2	6.354	21.63	-.0001	1427.	.0169	-.0070	.0042	.5643
#3	6.336	21.82	.0001	1412.	.0173	-.0089	.0024	.5683

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0041**	**.0033**	F **27.39**	**-.0016**	**.6323**	**-.0023**	**-.0055**	**.0031**
Stddev	.0005	.0013	.12	.0005	.0008	.0001	.0017	.0002
%RSD	12.32	40.55	.4284	29.10	.1265	5.403	31.28	6.585
#1	-.0039	.0027	27.25	-.0018	.6332	-.0022	-.0053	.0033
#2	-.0046	.0024	27.46	-.0018	.6319	-.0023	-.0038	.0029
#3	-.0037	.0048	27.45	-.0010	.6317	-.0024	-.0072	.0031

Zoom In Zoom Out

Sample Name: JE21268-4 Acquired: 10/20/2025 17:45:44 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: RUSH 10/21

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.0038**	**.0109**	**-.0009**
Stddev	.0007	.0005	.0000
%RSD	17.48	4.262	3.779
#1	-.0045	.0113	-.0009
#2	-.0038	.0104	-.0010
#3	-.0032	.0109	-.0009

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5591.1**	**103040.**	**17023.**	**2900.7**
Stddev	10.7	265.	155.	8.3
%RSD	.19197	.25756	.91131	.28750
#1	5602.3	103030.	17197.	2909.6
#2	5590.3	103310.	16972.	2899.5
#3	5580.9	102780.	16899.	2893.0

Zoom In Zoom Out

Sample Name: ICCV Acquired: 10/20/2025 7:43:34 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2480**	**39.61**	**2.034**	**1.981**	**1.999**	**2.037**	**1.964**	**40.27**	**2.031**
Stddev	.0010	.08	.007	.010	.004	.007	.010	.22	.006
%RSD	.3941	.2078	.3560	.4880	.1898	.3328	.5124	.5550	.3143
#1	.2489	39.68	2.030	1.974	1.994	2.046	1.960	40.58	2.025
#2	.2477	39.51	2.029	1.976	1.998	2.031	1.954	40.07	2.030
#3	.2468	39.67	2.034	1.980	2.004	2.036	1.965	40.28	2.031
#4	.2486	39.58	2.045	1.995	1.999	2.033	1.977	40.15	2.040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.015**	**2.025**	**2.032**	**1.944**	**40.14**	**39.13**	**2.022**	**40.39**	**2.076**
Stddev	.004	.002	.002	.007	.11	.09	.003	.34	.007
%RSD	.2038	.1151	.1072	.3516	.2860	.2319	.1578	.8296	.3212
#1	2.021	2.027	2.033	1.952	40.26	39.13	2.019	40.84	2.080
#2	2.013	2.024	2.030	1.944	39.98	39.02	2.024	40.13	2.076
#3	2.012	2.027	2.034	1.936	40.14	39.24	2.026	40.45	2.081
#4	2.013	2.022	2.030	1.944	40.16	39.15	2.021	40.14	2.066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ICCV Acquired: 10/20/2025 7:43:34 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.020**	**39.61**	**2.040**	**2.008**	**2.035**	**1.996**	**1.993**	**1.998**	**4.971**
Stddev	.005	.09	.001	.007	.003	.008	.007	.009	.024
%RSD	.2547	.2361	.0608	.3588	.1472	.4050	.3621	.4412	.4794
#1	2.016	39.54	2.041	1.997	2.036	1.984	1.987	1.991	4.954
#2	2.018	39.52	2.039	2.014	2.034	1.997	1.990	1.993	4.958
#3	2.017	39.72	2.040	2.010	2.039	2.000	1.992	1.996	4.966
#4	2.027	39.65	2.038	2.011	2.032	2.002	2.004	2.011	5.006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.026**	**2.019**	**2.017**	**2.023**	**2.017**	**2.016**	**2.058**	**2.021**
Stddev	.003	.002	.002	.003	.002	.008	.007	.004
%RSD	.1512	.0787	.0973	.1231	.0835	.3852	.3236	.2185
#1	2.024	2.021	2.020	2.022	2.019	2.017	2.061	2.025
#2	2.023	2.019	2.017	2.021	2.015	2.013	2.065	2.021
#3	2.029	2.020	2.016	2.024	2.017	2.008	2.056	2.023
#4	2.028	2.017	2.015	2.027	2.015	2.027	2.049	2.015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Zoom In Zoom Out

Sample Name: ICCV Acquired: 10/20/2025 7:43:34 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6190.4**	**99628.**	**16670.**	**3083.4**
Stddev	6.7	226.	189.	9.9
%RSD	.10781	.22646	1.1313	.32166
#1	6197.6	99588.	16424.	3091.5
#2	6190.9	99640.	16825.	3084.9
#3	6191.5	99368.	16622.	3088.1
#4	6181.4	99917.	16810.	3069.1

Zoom In Zoom Out

Sample Name: CCB 7 Acquired: 10/20/2025 7:48:47 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0083**	**-.0009**	**.0033**	**.0003**	**.0002**	**-.0015**	**.0021**	**-.0003**
Stddev	.0001	.0077	.0006	.0010	.0001	.0001	.0006	.0015	.0000
%RSD	37.31	92.26	67.88	29.59	35.34	32.97	41.84	71.84	9.998
#1	-.0002	.0122	-.0008	.0034	.0004	.0003	-.0017	.0004	-.0002
#2	-.0002	-.0005	-.0003	.0022	.0002	.0002	-.0008	.0028	-.0003
#3	-.0001	.0132	-.0015	.0041	.0003	.0002	-.0020	.0032	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0045**	**-.0001**	**-.0001**	**-.0001**	**.0032**	**.0463**	**-.0026**	**-.0048**	**.0001**
Stddev	.0006	.0001	.0003	.0003	.0013	.0569	.0020	.0119	.0000
%RSD	13.68	192.6	220.4	514.6	40.61	122.8	79.36	249.8	22.06
#1	.0039	-.0001	.0002	.0002	.0047	.1094	-.0013	.0026	.0001
#2	.0044	-.0002	-.0004	-.0001	.0026	.0304	-.0049	-.0185	.0002
#3	.0051	.0001	-.0002	-.0003	.0024	-.0009	-.0015	.0016	.0001
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0003**	**.0032**	**-.0003**	**.0016**	**.0011**	**.0009**	**-.0002**	**-.0024**	**-.0005**
Stddev	.0002	.0056	.0005	.0003	.0006	.0031	.0009	.0037	.0018
%RSD	84.54	174.5	164.5	17.64	55.41	338.1	498.4	155.6	365.6
#1	-.0001	.0095	-.0008	.0013	.0014	.0002	.0001	.0012	-.0018
#2	-.0006	-.0013	.0000	.0015	.0016	-.0018	.0005	-.0021	.0015
#3	-.0002	.0014	-.0000	.0018	.0004	.0043	-.0011	-.0062	-.0012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: CCB 7 Acquired: 10/20/2025 7:48:47 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0002**	**.0000**	**.0008**	**.0003**	**.0007**	**-.0002**	**.0001**
Stddev	.0006	.0000	.0002	.0010	.0003	.0013	.0002	.0001
%RSD	818.9	12.79	1056.	124.2	104.9	198.4	90.66	67.27
#1	.0001	.0003	.0002	.0005	.0005	.0020	-.0000	.0002
#2	-.0007	.0002	-.0002	.0019	.0003	-.0007	-.0002	.0000
#3	.0004	.0003	.0000	-.0000	-.0000	.0007	-.0004	.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6162.8**	**100020.**	**16771.**	**3114.4**
Stddev	22.3	146.	142.	15.5
%RSD	.36249	.14596	.84469	.49766
#1	6188.1	100190.	16632.	3131.4
#2	6154.7	99953.	16916.	3110.9
#3	6145.6	99916.	16765.	3101.0

Zoom In Zoom Out

Sample Name: CRI Acquired: 10/20/2025 7:53:15 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0047**	**.2153**	**.0087**	**.1022**	**.2064**	**.0024**	**.0218**	**5.304**	**.0030**
Stddev	.0002	.0083	.0019	.0004	.0005	.0001	.0009	.021	.0000
%RSD	3.696	3.864	21.55	.3975	.2428	5.652	4.353	.4006	1.353
#1	.0049	.2154	.0089	.1019	.2059	.0025	.0227	5.302	.0030
#2	.0046	.2235	.0067	.1019	.2064	.0024	.0219	5.326	.0030
#3	.0046	.2069	.0104	.1026	.2070	.0023	.0208	5.284	.0030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0018**	**.0531**	**.0108**	**.0099**	**.1094**	**4.994**	**.0533**	**5.291**	**.0164**
Stddev	.0021	.0003	.0001	.0000	.0021	.024	.0022	.027	.0000
%RSD	118.2	.5765	1.270	.4668	1.903	.4713	4.153	.5132	.0725
#1	.0023	.0528	.0109	.0100	.1113	5.013	.0526	5.287	.0164
#2	.0037	.0531	.0106	.0099	.1097	4.968	.0558	5.319	.0164
#3	-.0005	.0534	.0108	.0099	.1072	5.002	.0515	5.265	.0164
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0206**	**5.051**	**.0108**	**.0535**	**.0033**	**.0555**	**.0053**	**.0096**	**.2068**
Stddev	.0003	.014	.0003	.0012	.0012	.0019	.0017	.0015	.0005
%RSD	1.692	.2742	3.088	2.312	36.31	3.437	31.41	15.57	.2435
#1	.0203	5.038	.0109	.0521	.0042	.0568	.0035	.0081	.2063
#2	.0205	5.049	.0110	.0540	.0036	.0533	.0067	.0096	.2073
#3	.0210	5.065	.0104	.0544	.0019	.0563	.0057	.0111	.2068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: CRI Acquired: 10/20/2025 7:53:15 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0092**	**.0108**	**.0099**	**.0110**	**.0523**	**.0510**	**.0219**	**.0106**
Stddev	.0005	.0001	.0003	.0008	.0004	.0003	.0002	.0001
%RSD	5.373	.5460	3.080	7.062	.7019	.5064	.7679	.5269
#1	.0098	.0108	.0101	.0104	.0527	.0509	.0217	.0107
#2	.0088	.0107	.0096	.0119	.0524	.0512	.0221	.0106
#3	.0092	.0108	.0101	.0107	.0519	.0507	.0220	.0106
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6187.1**	**99141.**	**16572.**	**3119.3**
Stddev	17.9	298.	79.	9.4
%RSD	.28998	.30062	.47447	.29983
#1	6169.2	99222.	16617.	3109.4
#2	6205.1	98811.	16481.	3128.0
#3	6187.0	99391.	16618.	3120.4

Zoom In Zoom Out

Sample Name: CRID Acquired: 10/20/2025 7:58:08 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.0003**	**.0946**	**.0028**	**.0021**	**.0036**	**.0011**	**-.0015**	**1.050**
Stddev	.0003	.0046	.0023	.0006	.0001	.0000	.0008	.003
%RSD	90.93	4.862	81.53	29.04	3.702	2.946	53.33	.3265
#1	-.0002	.0991	.0050	.0017	.0036	.0010	-.0024	1.048
#2	-.0000	.0948	.0004	.0028	.0035	.0011	-.0012	1.054
#3	-.0006	.0899	.0030	.0018	.0037	.0011	-.0009	1.047
Check ?	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass
Value	.0020							
Range	-20.00%							

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0010**	**.0023**	**.0033**	**.0024**	F **.0002**	**.0004**	**2.008**	**-.0009**
Stddev	.0001	.0015	.0001	.0003	.0002	.0001	.026	.0004
%RSD	10.57	67.00	2.335	12.10	94.76	26.25	1.292	42.25
#1	.0009	.0033	.0033	.0022	.0002	.0002	2.030	-.0005
#2	.0010	.0029	.0032	.0027	.0003	.0004	2.014	-.0010
#3	.0011	.0005	.0034	.0022	-.0000	.0004	1.979	-.0012
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	None
Value					.0020			
Range					-20.00%			

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0972**	**.0031**	**-.0003**	**1.007**	**.0043**	**.0010**	F **.0005**	**.0010**
Stddev	.0115	.0000	.0001	.007	.0003	.0007	.0010	.0049
%RSD	11.87	.3113	32.97	.6550	6.579	71.70	217.5	505.9
#1	.1061	.0031	-.0003	1.014	.0046	.0002	-.0001	.0051
#2	.1013	.0031	-.0004	1.001	.0041	.0016	.0016	-.0045
#3	.0842	.0031	-.0002	1.006	.0041	.0011	-.0002	.0023
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Fail	None
Value							.0025	
Range							-20.00%	

Zoom In Zoom Out

Sample Name: CRID Acquired: 10/20/2025 7:58:08 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.0003	.0040	-.0048	-.0009	-.0000	-.0003	F .0013	.0019
Stddev	.0009	.0015	.0008	.0011	.0001	.0003	.0010	.0001
%RSD	298.8	38.31	17.26	126.8	448.3	102.8	72.94	4.446
#1	.0001	.0025	-.0044	-.0006	-.0001	-.0005	.0023	.0020
#2	-.0014	.0041	-.0057	.0001	-.0000	-.0004	.0003	.0018
#3	.0003	.0055	-.0042	-.0021	.0000	.0000	.0014	.0019
Check ?	Chk Fail	Chk Pass	None	None	None	None	Chk Fail	Chk Pass
Value	.0030						.0020	
Range	-20.00%						-20.00%	

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	-.0005	.0097	-.0000
Stddev	.0010	.0002	.0001
%RSD	186.1	1.715	282.4
#1	-.0016	.0095	-.0002
#2	-.0002	.0098	.0000
#3	.0002	.0098	.0000
Check ?	None	Chk Pass	None
Value			
Range			

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6163.9	100630.	16885.	3120.6
Stddev	22.0	214.	233.	11.6
%RSD	.35710	.21234	1.3800	.37057
#1	6185.5	100700.	16798.	3132.3
#2	6141.5	100390.	16709.	3109.2
#3	6164.7	100810.	17149.	3120.3

Zoom In Zoom Out

Sample Name: ICSA Acquired: 10/20/2025 8:03:02 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008	496.5	-.0018	.0001	.0019	-.0005	-.0075	373.4	-.0017
Stddev	.0003	13.0	.0021	.0013	.0000	.0000	.0009	.9	.0003
%RSD	39.77	2.621	119.1	909.6	1.645	4.183	11.81	.2354	17.67
#1	.0008	498.0	-.0033	.0016	.0019	-.0005	-.0078	372.5	-.0020
#2	.0011	482.8	.0006	-.0006	.0019	-.0005	-.0065	373.5	-.0016
#3	.0005	508.7	-.0026	-.0005	.0019	-.0005	-.0082	374.3	-.0014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0261	.0007	.0002	-.0000	184.5	-.1133	-.0036	495.1	-.0060
Stddev	.0011	.0005	.0001	.0001	.3	.0137	.0007	3.2	.0000
%RSD	4.210	69.87	70.60	263.6	.1811	12.11	19.52	.6549	.6752
#1	.0269	.0013	.0002	-.0000	184.2	-.1105	-.0033	491.7	-.0060
#2	.0248	.0005	.0000	.0001	184.9	-.1012	-.0044	498.2	-.0061
#3	.0264	.0003	.0003	-.0001	184.5	-.1282	-.0031	495.4	-.0060
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0016	.0396	-.0014	-.0205	.0024	-.0287	-.0019	-.0011	-.0094
Stddev	.0005	.0071	.0002	.0040	.0025	.0036	.0042	.0052	.0007
%RSD	31.47	17.89	16.79	19.54	106.4	12.72	225.2	452.9	7.223
#1	.0017	.0371	-.0013	-.0194	.0029	-.0245	-.0059	-.0052	-.0099
#2	.0011	.0340	-.0017	-.0171	-.0004	-.0311	.0024	-.0029	-.0087
#3	.0021	.0475	-.0012	-.0249	.0046	-.0304	-.0020	.0047	-.0097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ICSA Acquired: 10/20/2025 8:03:02 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0026	.0010	-.0018	.0025	.0008	-.0012	.0024	.0027
Stddev	.0004	.0000	.0004	.0009	.0002	.0008	.0004	.0002
%RSD	15.00	.2643	21.82	38.36	26.66	69.03	16.45	6.834
#1	-.0027	.0010	-.0013	.0031	.0006	-.0005	.0029	.0029
#2	-.0030	.0010	-.0019	.0014	.0008	-.0010	.0021	.0025
#3	-.0022	.0010	-.0021	.0028	.0010	-.0021	.0024	.0027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5888.8	97398.	16858.	2944.1
Stddev	6.2	158.	106.	.7
%RSD	.10505	.16259	.62881	.02444
#1	5888.7	97525.	16976.	2944.9
#2	5882.7	97448.	16830.	2943.7
#3	5895.0	97220.	16769.	2943.7

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 10/20/2025 8:08:08 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.130	504.0	.9892	.5325	.4901	.5028	.5211	388.0	1.104
Stddev	.002	3.4	.0039	.0039	.0027	.0027	.0024	4.5	.003
%RSD	.1358	.6704	.3923	.7322	.5501	.5416	.4625	1.149	.2476
#1	1.129	506.7	.9900	.5315	.4930	.5057	.5217	390.4	1.102
#2	1.132	505.2	.9850	.5292	.4877	.5003	.5184	382.9	1.104
#3	1.129	500.2	.9927	.5368	.4895	.5025	.5230	390.8	1.107
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5402	.5300	.4813	.5432	190.0	-.1261	.5511	505.3	.5118
Stddev	.0019	.0017	.0008	.0009	.1	.0180	.0027	2.4	.0013
%RSD	.3604	.3285	.1581	.1615	.0455	14.24	.4979	.4676	.2598
#1	.5411	.5295	.4805	.5426	190.1	-.1426	.5542	506.8	.5104
#2	.5380	.5286	.4820	.5442	190.0	-.1289	.5490	502.5	.5131
#3	.5416	.5320	.4815	.5429	189.9	-.1070	.5501	506.4	.5117
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5164	.0523	1.036	.5238	1.011	.5025	1.057	1.032	.4378
Stddev	.0019	.0021	.004	.0023	.007	.0015	.005	.001	.0048
%RSD	.3637	3.984	.3623	.4450	.6593	.2916	.5166	.1302	1.091
#1	.5149	.0501	1.034	.5251	1.010	.5042	1.054	1.030	.4376
#2	.5158	.0525	1.033	.5252	1.005	.5013	1.054	1.032	.4331
#3	.5185	.0543	1.040	.5211	1.018	.5022	1.063	1.033	.4426
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 10/20/2025 8:08:08 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4983**	**.5007**	**.4991**	**1.006**	**.5068**	**.5059**	**.9844**	**.4823**
Stddev	.0028	.0034	.0015	.002	.0018	.0021	.0019	.0015
%RSD	.5583	.6805	.3042	.1664	.3502	.4171	.1979	.3033
#1	.4951	.5046	.4973	1.006	.5050	.5051	.9824	.4806
#2	.5002	.4983	.5002	1.004	.5085	.5043	.9863	.4834
#3	.4997	.4993	.4997	1.007	.5069	.5083	.9844	.4829
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5871.2**	**98115.**	**16843.**	**2926.0**
Stddev	16.9	209.	83.	2.9
%RSD	.28754	.21341	.49302	.09776
#1	5872.7	98212.	16867.	2929.0
#2	5887.3	97875.	16911.	2925.6
#3	5853.7	98258.	16750.	2923.4

Zoom In Zoom Out

Sample Name: HSTD Acquired: 10/20/2025 8:13:00 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6567**	**-.1048**	**7.698**	**7.806**	**7.675**	**8.006**	**7.736**	**.0274**	**7.567**
Stddev	.0015	.0378	.066	.052	.199	.370	.037	.0365	.051
%RSD	.2279	36.04	.8535	.6682	2.591	4.627	.4760	133.0	.6780
#1	.6551	-.1479	7.667	7.795	7.789	7.970	7.725	-.0143	7.527
#2	.6581	-.0770	7.653	7.761	7.790	8.394	7.706	.0535	7.549
#3	.6569	-.0897	7.773	7.863	7.445	7.656	7.777	.0430	7.625
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0193**	**8.164**	**8.199**	**7.417**	**.0286**	**.4355**	**8.048**	**.2075**	**7.974**
Stddev	.0015	.038	.020	.156	.0148	.0058	.029	.0413	.094
%RSD	7.535	.4646	.2381	2.099	51.75	1.324	.3620	19.91	1.178
#1	.0187	8.134	8.178	7.246	.0122	.4334	8.082	.1599	7.908
#2	.0209	8.151	8.216	7.551	.0409	.4420	8.032	.2295	7.933
#3	.0182	8.206	8.203	7.453	.0326	.4311	8.030	.2333	8.082
Check ?	None	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass	None	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.052**	**.0824**	**8.206**	**7.947**	**8.155**	**98.13**	**7.907**	**7.967**	**25.24**
Stddev	.044	.0029	.046	.053	.046	.68	.040	.062	.17
%RSD	.5476	3.517	.5640	.6669	.5590	.6919	.5020	.7791	.6721
#1	8.028	.0858	8.162	7.916	8.112	97.85	7.901	7.943	25.16
#2	8.026	.0807	8.200	7.917	8.149	97.63	7.870	7.921	25.12
#3	8.103	.0808	8.254	8.008	8.203	98.90	7.949	8.038	25.43
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: HSTD Acquired: 10/20/2025 8:13:00 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.154**	**7.717**	**8.068**	**7.912**	**8.020**	**8.228**	**8.362**	**7.926**
Stddev	.060	.231	.014	.041	.016	.049	.061	.064
%RSD	.7402	2.988	.1776	.5195	.2014	.5986	.7248	.8110
#1	8.112	7.587	8.051	7.882	8.003	8.199	8.305	7.869
#2	8.126	7.983	8.077	7.893	8.035	8.201	8.357	7.996
#3	8.223	7.581	8.074	7.959	8.023	8.285	8.425	7.914
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6219.8**	**100970.**	**16973.**	**3062.3**
Stddev	41.6	288.	119.	22.0
%RSD	.66869	.28519	.70330	.71935
#1	6258.9	101250.	16954.	3079.7
#2	6224.3	100670.	16864.	3069.7
#3	6176.1	100990.	17100.	3037.5

Zoom In Zoom Out

Sample Name: HSTD Acquired: 10/20/2025 8:18:23 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**284.7**	**.0033**	**.0075**	**.0014**	**-.0000**	**-.0051**	**184.6**	**-.0003**
Stddev	.0001	10.6	.0030	.0011	.0001	.0000	.0005	2.8	.0005
%RSD	58.52	3.727	90.76	14.10	8.992	68.82	10.35	1.518	174.4
#1	-.0001	280.7	-.0001	.0086	.0014	-.0000	-.0046	183.8	-.0003
#2	-.0003	276.6	.0042	.0074	.0016	-.0000	-.0051	182.4	-.0007
#3	-.0001	296.7	.0057	.0065	.0014	-.0000	-.0056	187.8	.0002
Check ?	None	Chk Pass	None	None	None	None	None	Chk Pass	None
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0210**	**.0011**	**.0004**	**.0006**	**182.6**	**194.7**	**.0044**	**291.0**	**-.0032**
Stddev	.0037	.0003	.0001	.0003	1.6	1.6	.0013	2.6	.0000
%RSD	17.53	28.06	27.63	44.31	.8934	.8418	28.81	.9062	1.221
#1	.0211	.0008	.0004	.0003	181.8	193.8	.0058	291.1	-.0031
#2	.0246	.0014	.0004	.0008	181.5	193.7	.0038	288.4	-.0031
#3	.0173	.0012	.0006	.0007	184.4	196.5	.0034	293.6	-.0032
Check ?	None	None	None	None	Chk Pass	Chk Pass	None	Chk Pass	None
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0019**	**194.5**	**-.0006**	**-.0103**	**.0036**	**-.0077**	**.0012**	**.0027**	**.0118**
Stddev	.0002	3.7	.0004	.0017	.0012	.0037	.0012	.0021	.0071
%RSD	11.59	1.909	67.98	16.34	33.81	47.45	104.8	78.27	59.97
#1	.0016	194.6	-.0010	-.0117	.0024	-.0113	-.0001	.0040	.0198
#2	.0020	190.7	-.0005	-.0107	.0035	-.0080	.0013	.0003	.0065
#3	.0020	198.2	-.0002	-.0084	.0048	-.0039	.0023	.0038	.0090
Check ?	None	Chk Pass	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: HSTD Acquired: 10/20/2025 8:18:23 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0028**	**.0008**	**-.0010**	**.0037**	**.0007**	**-.0006**	**.0018**	**.0028**
Stddev	.0006	.0000	.0004	.0016	.0001	.0021	.0003	.0001
%RSD	20.88	6.266	39.94	42.85	15.59	329.2	19.31	3.029
#1	-.0024	.0008	-.0009	.0029	.0008	-.0018	.0015	.0028
#2	-.0034	.0007	-.0007	.0027	.0006	-.0019	.0017	.0028
#3	-.0025	.0007	-.0015	.0056	.0007	.0018	.0022	.0029
Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5906.5**	**98067.**	**16576.**	**2955.8**
Stddev	.7	447.	191.	7.0
%RSD	.01159	.45629	1.1495	.23664
#1	5906.9	97563.	16625.	2963.3
#2	5907.0	98419.	16737.	2954.4
#3	5905.7	98219.	16365.	2949.6

Zoom In Zoom Out

Sample Name: FECONF Acquired: 10/20/2025 8:23:42 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0008**	**.0288**	**.0001**	**.0037**	**-.0000**	**.0002**	**-.0030**	**.0243**	**.0005**
Stddev	.0003	.0037	.0028	.0002	.0001	.0000	.0009	.0052	.0003
%RSD	34.61	12.68	2230.	4.411	358.8	12.76	28.47	21.39	51.08
#1	-.0007	.0264	.0012	.0039	-.0000	.0002	-.0024	.0195	.0008
#2	-.0005	.0270	-.0031	.0036	.0001	.0003	-.0040	.0237	.0003
#3	-.0010	.0330	.0022	.0036	-.0001	.0002	-.0027	.0299	.0004

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0166**	**.0016**	**-.0007**	**-.0011**	**198.1**	**-.0896**	**-.0003**	**.0189**	**-.0005**
Stddev	.0009	.0001	.0002	.0005	.3	.0207	.0005	.0070	.0001
%RSD	5.651	3.458	33.79	41.95	.1564	23.13	200.9	37.03	21.97
#1	.0167	.0016	-.0005	-.0013	198.2	-.0657	-.0001	.0112	-.0005
#2	.0175	.0016	-.0006	-.0006	197.8	-.1027	.0002	.0206	-.0007
#3	.0156	.0015	-.0010	-.0015	198.4	-.1003	-.0008	.0248	-.0004

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0015**	**.0363**	**-.0010**	**-.0068**	**.0008**	**.0028**	**.0035**	**.0064**	**.0065**
Stddev	.0001	.0067	.0006	.0015	.0013	.0021	.0008	.0020	.0002
%RSD	6.495	18.37	65.51	21.60	165.9	74.18	23.93	32.05	3.179
#1	.0016	.0436	-.0003	-.0069	.0021	.0047	.0028	.0087	.0064
#2	.0015	.0305	-.0012	-.0053	-.0006	.0032	.0031	.0053	.0064
#3	.0014	.0347	-.0015	-.0082	.0009	.0006	.0044	.0051	.0068

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0023**	**.0002**	**.0003**	**.0011**	**.0002**	**.0003**	**-.0016**	**.0035**
Stddev	.0006	.0001	.0005	.0008	.0002	.0004	.0003	.0002
%RSD	27.44	32.47	191.2	66.88	118.8	128.1	16.37	4.779
#1	.0020	.0002	-.0003	.0012	.0002	.0004	-.0015	.0033
#2	.0019	.0003	.0004	.0004	-.0001	.0006	-.0015	.0035
#3	.0031	.0002	.0007	.0019	.0004	-.0001	-.0019	.0036

Zoom In Zoom Out

Sample Name: FECONF Acquired: 10/20/2025 8:23:42 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6286.2**	**100430.**	**16556.**	**3102.2**
Stddev	34.1	318.	151.	19.9
%RSD	.54294	.31619	.91463	.64161
#1	6295.1	100110.	16410.	3104.9
#2	6315.0	100740.	16712.	3120.6
#3	6248.5	100430.	16546.	3081.0

Zoom In Zoom Out

Sample Name: ALCONF Acquired: 10/20/2025 8:28:38 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0011**	F **455.2**	**-.0006**	**.0032**	**.0009**	**-.0001**	**-.0029**	**-.0014**	**.0001**
Stddev	.0002	4.4	.0011	.0011	.0002	.0001	.0005	.0007	.0001
%RSD	14.30	.9617	170.6	36.12	19.35	75.12	18.15	50.47	105.1
#1	-.0009	452.3	-.0007	.0045	.0010	-.0000	-.0034	-.0021	-.0000
#2	-.0012	460.3	.0005	.0024	.0009	-.0001	-.0023	-.0007	.0002
#3	-.0012	453.1	-.0017	.0026	.0007	-.0002	-.0029	-.0016	.0001

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0024**	**-.0002**	**.0001**	**-.0004**	**.0340**	**-.0190**	**.0011**	**-.0101**	**-.0006**
Stddev	.0017	.0002	.0001	.0003	.0015	.0217	.0004	.0224	.0000
%RSD	73.98	76.72	77.95	78.28	4.378	114.5	37.76	223.0	1.724
#1	-.0025	-.0001	.0000	-.0007	.0325	-.0078	.0010	.0050	-.0006
#2	-.0005	-.0002	.0001	-.0003	.0341	-.0440	.0008	.0006	-.0006
#3	-.0040	-.0004	.0002	-.0001	.0354	-.0051	.0016	-.0359	-.0006

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0009**	**.0024**	**-.0014**	**-.0050**	**-.0012**	**-.0079**	**-.0015**	**-.0011**	**-.0075**
Stddev	.0001	.0130	.0002	.0016	.0017	.0007	.0016	.0010	.0023
%RSD	13.13	536.0	11.01	31.58	135.7	8.843	109.0	88.17	30.32
#1	.0008	-.0032	-.0016	-.0068	.0003	-.0074	.0004	-.0001	-.0051
#2	.0008	.0172	-.0013	-.0038	-.0010	-.0087	-.0023	-.0021	-.0078
#3	.0010	-.0067	-.0013	-.0043	-.0030	-.0075	-.0025	-.0012	-.0096

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**-.0001**	**-.0001**	**.0006**	**-.0000**	**-.0005**	**-.0023**	**.0000**
Stddev	.0004	.0000	.0002	.0020	.0001	.0017	.0004	.0001
%RSD	959.6	54.62	183.2	352.1	302.6	315.1	18.03	365.9
#1	-.0001	-.0000	-.0002	-.0018	-.0001	.0014	-.0024	.0001
#2	-.0004	-.0001	.0001	.0019	-.0001	-.0015	-.0027	-.0001
#3	.0004	-.0001	-.0002	.0016	.0001	-.0015	-.0019	.0000

Zoom In Zoom Out

Sample Name: ALCONF Acquired: 10/20/2025 8:28:38 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6184.6**	**101180.**	**17941.**	**3227.3**
Stddev	6.2	257.	34.	5.4
%RSD	.10080	.25386	.19049	.16599
#1	6190.0	101340.	17980.	3229.8
#2	6186.0	101330.	17917.	3231.0
#3	6177.7	100890.	17926.	3221.2

Zoom In Zoom Out

Sample Name: CACONF Acquired: 10/20/2025 8:33:40 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0008**	**.0801**	**-.0008**	**.0040**	**.0025**	**-.0001**	**-.0002**	F **391.2**	**.0017**
Stddev	.0004	.0042	.0018	.0005	.0002	.0000	.0011	7.4	.0002
%RSD	50.23	5.221	221.9	13.71	6.277	33.53	536.5	1.887	13.19
#1	.0013	.0842	-.0029	.0045	.0026	-.0001	.0010	399.6	.0018
#2	.0008	.0801	.0003	.0041	.0023	-.0000	-.0006	387.7	.0019
#3	.0004	.0758	.0002	.0034	.0024	-.0001	-.0010	386.1	.0014

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0082**	**-.0008**	**.0009**	**.0002**	**.0470**	**.0391**	**-.0080**	**.0100**	**-.0038**
Stddev	.0020	.0002	.0004	.0003	.0012	.0166	.0003	.0104	.0001
%RSD	24.16	25.63	36.95	143.6	2.553	42.41	3.838	103.7	2.212
#1	.0079	-.0006	.0005	.0003	.0478	.0449	-.0081	.0041	-.0039
#2	.0103	-.0010	.0011	-.0001	.0475	.0520	-.0082	.0040	-.0039
#3	.0063	-.0007	.0012	.0005	.0456	.0204	-.0076	.0221	-.0037

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0335**	**.0001**	**-.0091**	**-.0003**	**.0009**	**-.0042**	**.0018**	**.0060**
Stddev	.0003	.0008	.0001	.0011	.0002	.0011	.0017	.0023	.0011
%RSD	328.5	2.293	76.64	11.89	62.75	129.7	41.17	129.7	18.62
#1	.0003	.0336	.0002	-.0099	-.0004	.0022	-.0031	-.0009	.0048
#2	-.0002	.0342	.0000	-.0095	-.0001	.0002	-.0033	.0033	.0061
#3	-.0004	.0327	.0002	-.0079	-.0002	.0002	-.0062	.0029	.0070

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0042**	**.0011**	**-.0008**	**-.0022**	**.0003**	**-.0013**	**-.0042**	**.0001**
Stddev	.0007	.0000	.0001	.0006	.0003	.0004	.0000	.0000
%RSD	17.07	3.569	10.00	28.42	129.6	31.41	.4383	37.75
#1	-.0037	.0011	-.0009	-.0028	.0005	-.0016	-.0042	.0002
#2	-.0038	.0011	-.0009	-.0022	-.0001	-.0015	-.0042	.0001
#3	-.0050	.0012	-.0007	-.0016	.0004	-.0009	-.0041	.0001

Zoom In Zoom Out

Sample Name: CACONF Acquired: 10/20/2025 8:33:40 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5948.7**	**100170.**	**16429.**	**2987.7**
Stddev	12.8	301.	107.	8.8
%RSD	.21548	.30095	.64987	.29486
#1	5934.3	99914.	16314.	2978.0
#2	5959.0	100090.	16447.	2989.9
#3	5952.9	100500.	16526.	2995.2

Zoom In Zoom Out

Sample Name: VCONF Acquired: 10/20/2025 8:38:44 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0098**	**.0000**	**.0012**	**.0033**	**-.0001**	**.0004**	**-.0002**	**.0233**	**-.0001**
Stddev	.0004	.0039	.0014	.0005	.0002	.0001	.0007	.0053	.0001
%RSD	3.977	9224.	122.5	15.24	168.1	29.92	337.3	22.79	249.3
#1	.0102	.0017	.0007	.0033	.0001	.0004	.0006	.0178	-.0002
#2	.0094	.0029	.0028	.0028	-.0001	.0006	-.0004	.0237	-.0001
#3	.0099	-.0044	.0000	.0038	-.0004	.0003	-.0009	.0284	.0001

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0051**	**-.0001**	**.0018**	**-.0001**	**-.0006**	**.0250**	**.0007**	**-.0002**	**-.0002**
Stddev	.0012	.0002	.0002	.0002	.0012	.0436	.0004	.0120	.0000
%RSD	22.82	328.1	10.24	177.3	193.2	174.6	51.17	5449.	15.72
#1	.0045	-.0000	.0017	-.0001	-.0006	-.0254	.0009	.0097	-.0002
#2	.0043	-.0002	.0016	-.0002	.0006	.0504	.0010	.0032	-.0002
#3	.0064	.0001	.0020	.0001	-.0019	.0500	.0003	-.0135	-.0001

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0007**	**.0391**	**-.0007**	**-.0075**	**-.0004**	**.0015**	**-.0015**	**.0019**	**.0018**
Stddev	.0002	.0018	.0002	.0010	.0002	.0024	.0011	.0020	.0051
%RSD	28.88	4.593	35.39	12.95	41.24	163.3	75.87	106.3	273.7
#1	-.0009	.0388	-.0004	-.0065	-.0005	.0010	-.0016	.0000	-.0011
#2	-.0005	.0375	-.0009	-.0076	-.0002	-.0007	-.0026	.0040	-.0011
#3	-.0007	.0410	-.0008	-.0084	-.0004	.0041	-.0003	.0017	.0077

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0012**	**-.0001**	**-.0002**	**.0002**	F **9.909**	**.0006**	**-.0043**	**-.0076**
Stddev	.0012	.0000	.0001	.0026	.079	.0004	.0002	.0001
%RSD	101.1	21.87	67.19	1268.	.7936	68.64	4.104	1.885
#1	-.0020	-.0001	-.0003	.0019	9.868	.0005	-.0043	-.0074
#2	-.0018	-.0001	-.0002	-.0028	9.859	.0002	-.0046	-.0075
#3	.0002	-.0001	-.0001	.0016	9.999	.0010	-.0042	-.0077

Zoom In Zoom Out

Sample Name: VCONF Acquired: 10/20/2025 8:38:44 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6117.3**	**100890.**	**16719.**	**3106.5**
Stddev	20.7	959.	126.	12.8
%RSD	.33918	.95026	.75219	.41057
#1	6128.6	101830.	16581.	3112.5
#2	6130.0	100940.	16827.	3115.2
#3	6093.4	99914.	16748.	3091.9

Zoom In Zoom Out

Sample Name: CCV Acquired: 10/20/2025 8:43:48 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2507**	**39.49**	**1.976**	**2.013**	**1.943**	**2.036**	**2.003**	**40.42**	**2.060**
Stddev	.0008	.05	.006	.002	.004	.003	.002	.14	.001
%RSD	.3133	.1359	.2866	.0827	.2201	.1571	.0845	.3357	.0319
#1	.2501	39.54	1.972	2.014	1.945	2.039	2.001	40.50	2.060
#2	.2516	39.44	1.982	2.015	1.945	2.033	2.004	40.26	2.059
#3	.2504	39.49	1.974	2.011	1.938	2.035	2.004	40.50	2.061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.014**	**2.080**	**2.054**	**1.949**	**40.42**	**39.54**	**1.983**	**39.33**	**2.089**
Stddev	.008	.003	.009	.008	.07	.04	.007	.20	.012
%RSD	.3928	.1277	.4522	.3935	.1651	.0888	.3558	.5105	.5841
#1	2.005	2.082	2.044	1.940	40.43	39.57	1.985	39.40	2.075
#2	2.019	2.080	2.063	1.954	40.34	39.54	1.989	39.11	2.099
#3	2.017	2.077	2.056	1.953	40.47	39.50	1.975	39.49	2.093
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.051**	**39.76**	**2.078**	**2.048**	**2.066**	**2.045**	**2.026**	**2.033**	**5.063**
Stddev	.001	.05	.001	.004	.003	.002	.001	.003	.004
%RSD	.0686	.1375	.0221	.2121	.1228	.0790	.0424	.1632	.0798
#1	2.051	39.82	2.078	2.049	2.063	2.046	2.025	2.030	5.061
#2	2.052	39.74	2.078	2.052	2.066	2.043	2.026	2.033	5.068
#3	2.049	39.72	2.077	2.044	2.068	2.045	2.026	2.037	5.060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: CCV Acquired: 10/20/2025 8:43:48 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.061**	**2.023**	**2.037**	**2.042**	**2.034**	**2.038**	**2.087**	**2.037**
Stddev	.005	.002	.007	.001	.009	.001	.003	.010
%RSD	.2322	.1050	.3320	.0464	.4204	.0612	.1509	.4860
#1	2.056	2.025	2.029	2.043	2.025	2.036	2.089	2.026
#2	2.065	2.024	2.043	2.043	2.041	2.038	2.089	2.044
#3	2.061	2.021	2.039	2.041	2.036	2.038	2.083	2.041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6129.0**	**99827.**	**16889.**	**3066.0**
Stddev	1.6	607.	147.	.3
%RSD	.02629	.60841	.86956	.00831
#1	6127.2	100510.	16865.	3065.7
#2	6130.1	99349.	17046.	3065.9
#3	6129.7	99621.	16755.	3066.2

Zoom In Zoom Out

Sample Name: CCB Acquired: 10/20/2025 8:48:20 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0014**	**-.0012**	**.0046**	**-.0004**	**.0001**	**.0003**	**.0078**	**.0004**
Stddev	.0004	.0060	.0007	.0000	.0002	.0000	.0004	.0007	.0001
%RSD	78.80	440.8	57.02	.6902	40.79	23.65	145.9	8.895	26.53
#1	.0007	.0049	-.0010	.0046	-.0005	.0001	.0005	.0086	.0005
#2	.0000	.0048	-.0019	.0046	-.0005	.0002	-.0002	.0072	.0004
#3	.0006	-.0056	-.0006	.0047	-.0002	.0001	.0005	.0076	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0034**	**.0002**	**.0006**	**.0007**	**.0022**	**-.0014**	**-.0002**	**-.0051**	**.0003**
Stddev	.0012	.0002	.0005	.0002	.0024	.0101	.0012	.0109	.0003
%RSD	33.95	75.83	85.15	34.65	107.1	700.2	527.3	213.2	89.06
#1	.0043	.0003	.0002	.0004	.0000	.0073	.0001	.0061	.0001
#2	.0038	.0000	.0005	.0007	.0048	-.0125	-.0016	-.0156	.0002
#3	.0021	.0004	.0012	.0009	.0019	.0009	.0008	-.0059	.0007
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**-.0049**	**-.0001**	**.0002**	**.0005**	**.0025**	**.0005**	**-.0008**	**.0017**
Stddev	.0003	.0079	.0004	.0013	.0006	.0011	.0011	.0010	.0011
%RSD	87.13	161.0	439.4	772.8	121.9	42.68	229.9	120.6	62.80
#1	.0007	-.0035	.0002	.0015	.0008	.0022	.0017	-.0017	.0024
#2	.0004	-.0134	-.0005	-.0011	-.0002	.0016	-.0002	-.0011	.0024
#3	.0000	.0022	.0000	.0000	.0010	.0037	-.0001	.0003	.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: CCB Acquired: 10/20/2025 8:48:20 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0006**	**.0001**	**.0002**	**-.0022**	**.0008**	**-.0006**	**.0004**	**.0004**
Stddev	.0005	.0001	.0005	.0013	.0005	.0008	.0003	.0001
%RSD	87.67	53.62	192.5	59.07	62.56	140.0	75.70	39.80
#1	-.0002	.0002	-.0003	-.0008	.0004	.0003	.0005	.0002
#2	-.0004	.0001	.0004	-.0025	.0006	-.0006	.0005	.0004
#3	-.0011	.0001	.0007	-.0034	.0014	-.0014	.0000	.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6136.1**	**99635.**	**16613.**	**3115.2**
Stddev	27.6	141.	173.	16.2
%RSD	.45004	.14168	1.0438	.52030
#1	6161.4	99513.	16420.	3126.9
#2	6140.3	99601.	16665.	3122.1
#3	6106.7	99789.	16755.	3096.7

Zoom In Zoom Out

Sample Name: sampleconf Acquired: 10/20/2025 8:53:16 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0050**	**.2082**	**.0082**	**.1043**	**.2003**	**.0024**	**.0191**	**5.300**	**.0032**
Stddev	.0002	.0104	.0025	.0004	.0005	.0000	.0019	.024	.0002
%RSD	3.213	4.977	30.53	.3528	.2354	1.198	9.947	.4605	5.044
#1	.0052	.2149	.0104	.1039	.2001	.0024	.0212	5.324	.0033
#2	.0049	.1963	.0088	.1043	.2008	.0024	.0189	5.275	.0030
#3	.0049	.2134	.0055	.1046	.1999	.0024	.0174	5.301	.0033

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0031**	**.0546**	**.0107**	**.0093**	**.1130**	**5.040**	**.0511**	**5.091**	**.0160**
Stddev	.0006	.0003	.0000	.0002	.0007	.026	.0019	.045	.0001
%RSD	19.32	.5570	.3935	2.509	.6358	.5252	3.801	.8854	.5004
#1	.0037	.0548	.0107	.0093	.1137	5.010	.0514	5.139	.0161
#2	.0032	.0542	.0107	.0096	.1129	5.052	.0528	5.049	.0159
#3	.0025	.0547	.0107	.0091	.1123	5.058	.0490	5.086	.0160

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0210**	**5.056**	**.0108**	**.0515**	**.0050**	**.0517**	**.0051**	**.0122**	**.2116**
Stddev	.0002	.017	.0002	.0010	.0010	.0039	.0009	.0015	.0000
%RSD	1.054	.3376	1.572	1.902	20.50	7.571	18.31	12.04	.0027
#1	.0211	5.036	.0109	.0516	.0049	.0562	.0049	.0138	.2116
#2	.0207	5.068	.0106	.0504	.0040	.0494	.0043	.0109	.2116
#3	.0210	5.063	.0109	.0524	.0060	.0494	.0062	.0118	.2116

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0094**	**.0108**	**.0100**	**.0068**	**.0515**	**.0522**	**.0221**	**.0105**
Stddev	.0001	.0001	.0003	.0006	.0003	.0011	.0001	.0001
%RSD	1.207	.7470	2.905	9.077	.5512	2.177	.4379	1.219
#1	.0094	.0109	.0098	.0074	.0517	.0520	.0222	.0104
#2	.0092	.0108	.0099	.0068	.0517	.0511	.0220	.0106
#3	.0094	.0108	.0104	.0062	.0512	.0534	.0221	.0104

Zoom In Zoom Out

Sample Name: sampleconf Acquired: 10/20/2025 8:53:16 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6136.8**	**101320.**	**16761.**	**3105.9**
Stddev	8.7	582.	131.	7.3
%RSD	.14119	.57447	.78263	.23421
#1	6126.9	100800.	16693.	3099.8
#2	6142.8	101230.	16912.	3114.0
#3	6140.8	101950.	16678.	3103.9

Zoom In Zoom Out

Sample Name: MP58070-MB1conf Acquired: 10/20/2025 8:58:10 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**-.0019**	**-.0002**	**.1976**	**.0001**	**-.0001**	**.0010**	**.1018**	**-.0001**
Stddev	.0003	.0036	.0012	.0008	.0002	.0000	.0008	.0007	.0002
%RSD	255.7	188.2	709.8	.4073	191.2	17.58	73.58	.6884	146.0
#1	-.0002	-.0001	.0008	.1971	-.0001	-.0001	.0012	.1025	.0001
#2	.0002	.0004	-.0015	.1986	.0003	-.0001	.0018	.1011	-.0003
#3	-.0003	-.0061	.0002	.1973	.0001	-.0001	.0002	.1018	-.0002

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0003**	**-.0003**	**.0005**	**.0027**	**.0110**	**.0417**	**-.0049**	**.0205**	**.0001**
Stddev	.0004	.0002	.0002	.0002	.0013	.0301	.0018	.0174	.0000
%RSD	131.8	87.46	41.32	6.665	11.58	72.11	36.14	84.78	29.42
#1	-.0006	-.0005	.0006	.0025	.0109	.0583	-.0032	.0139	.0001
#2	.0002	-.0001	.0003	.0028	.0124	.0598	-.0047	.0402	.0001
#3	-.0006	-.0002	.0007	.0028	.0098	.0070	-.0067	.0074	.0001

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0003**	**.0361**	**-.0001**	**.0196**	**.0004**	**.0055**	**-.0006**	**.0002**	**2.246**
Stddev	.0002	.0044	.0004	.0013	.0004	.0012	.0006	.0016	.005
%RSD	64.51	12.11	291.3	6.692	89.81	22.33	103.4	1059.	.2385
#1	-.0004	.0400	-.0006	.0184	.0000	.0047	-.0006	.0012	2.242
#2	-.0002	.0369	-.0000	.0210	.0007	.0050	.0000	-.0017	2.252
#3	-.0001	.0314	.0002	.0194	.0005	.0070	-.0013	.0010	2.245

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0176**	**.0002**	**-.0002**	**-.0006**	**.0001**	**-.0015**	**.0056**	**-.0002**
Stddev	.0002	.0000	.0003	.0010	.0001	.0005	.0001	.0002
%RSD	1.252	8.375	143.4	166.4	149.8	34.49	1.383	87.01
#1	.0173	.0002	-.0004	-.0016	.0001	-.0021	.0056	-.0003
#2	.0178	.0002	-.0002	.0004	-.0001	-.0012	.0057	-.0002
#3	.0176	.0002	.0001	-.0006	.0002	-.0012	.0056	-.0000

Zoom In Zoom Out

Sample Name: MP58070-MB1conf Acquired: 10/20/2025 8:58:10 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6140.0**	**99947.**	**16887.**	**3119.1**
Stddev	22.3	138.	44.	12.6
%RSD	.36309	.13766	.26266	.40485
#1	6150.6	99873.	16894.	3124.8
#2	6114.3	99862.	16840.	3104.7
#3	6154.9	100110.	16928.	3128.0

Zoom In Zoom Out

Sample Name: SAMPLECONF Acquired: 10/20/2025 9:12:25 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0051**	**.1848**	**.0066**	**.1017**	**.1856**	**.0019**	**.0184**	**5.069**	**.0027**
Stddev	.0004	.0061	.0023	.0007	.0005	.0000	.0005	.038	.0001
%RSD	8.179	3.292	34.72	.7057	.2852	1.812	2.660	.7544	2.937
#1	.0054	.1899	.0090	.1025	.1859	.0019	.0185	5.086	.0027
#2	.0052	.1780	.0064	.1013	.1859	.0019	.0179	5.096	.0028
#3	.0046	.1864	.0044	.1013	.1850	.0020	.0189	5.025	.0026

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0007**	**.0520**	**.0100**	**.0090**	**.0992**	**4.826**	**.0490**	**4.840**	**.0150**
Stddev	.0024	.0004	.0001	.0004	.0018	.018	.0014	.047	.0000
%RSD	343.1	.6747	.5721	4.347	1.767	.3645	2.772	.9791	.2616
#1	.0018	.0517	.0101	.0094	.1004	4.810	.0485	4.869	.0150
#2	-.0009	.0518	.0100	.0091	.0972	4.845	.0506	4.865	.0149
#3	-.0030	.0524	.0100	.0086	.1001	4.825	.0480	4.785	.0150

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0199**	**4.809**	**.0104**	**.0492**	F **.0023**	**.0525**	F **.0043**	**.0110**	F **.5277**
Stddev	.0005	.012	.0002	.0005	.0011	.0015	.0006	.0012	.0010
%RSD	2.603	.2493	2.147	1.017	48.55	2.840	15.11	11.17	.1912
#1	.0194	4.821	.0103	.0486	.0021	.0509	.0037	.0124	.5265
#2	.0200	4.808	.0107	.0492	.0013	.0526	.0049	.0108	.5282
#3	.0204	4.797	.0103	.0496	.0035	.0539	.0042	.0099	.5284

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0086**	**.0098**	**.0094**	F **.0072**	**.0491**	**.0491**	**.0230**	**.0096**
Stddev	.0002	.0000	.0003	.0021	.0004	.0003	.0001	.0002
%RSD	2.678	.4129	3.557	29.25	.8131	.6104	.4055	2.092
#1	.0089	.0099	.0094	.0060	.0492	.0487	.0229	.0098
#2	.0086	.0098	.0097	.0059	.0495	.0491	.0231	.0097
#3	.0084	.0098	.0090	.0096	.0487	.0493	.0230	.0094

Zoom In Zoom Out

Sample Name: SAMPLECONF Acquired: 10/20/2025 9:12:25 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6128.7**	**100830.**	**16611.**	**3105.7**
Stddev	11.6	219.	185.	10.0
%RSD	.18882	.21732	1.1161	.32293
#1	6139.1	100590.	16510.	3116.1
#2	6130.7	100880.	16499.	3105.1
#3	6116.2	101020.	16825.	3096.0

Zoom In Zoom Out

Sample Name: CRI Acquired: 10/20/2025 9:17:46 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0049**	**.2005**	**.0087**	**.1016**	**.1920**	**.0019**	**.0180**	**5.185**	**.0028**
Stddev	.0003	.0041	.0004	.0007	.0007	.0000	.0010	.045	.0002
%RSD	5.201	2.041	4.523	.6414	.3626	1.008	5.491	.8771	7.339
#1	.0050	.2004	.0083	.1021	.1926	.0019	.0187	5.207	.0030
#2	.0051	.1965	.0088	.1008	.1922	.0019	.0168	5.216	.0027
#3	.0046	.2047	.0091	.1018	.1913	.0019	.0184	5.133	.0026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0007**	**.0530**	**.0103**	**.0089**	**.1007**	**4.955**	**.0496**	**4.940**	**.0155**
Stddev	.0023	.0003	.0000	.0003	.0021	.012	.0015	.053	.0000
%RSD	324.1	.6489	.3096	3.651	2.040	.2425	3.042	1.073	.3098
#1	.0016	.0530	.0103	.0085	.1028	4.968	.0514	4.971	.0155
#2	-.0007	.0527	.0102	.0089	.1005	4.945	.0487	4.971	.0155
#3	-.0031	.0533	.0103	.0092	.0987	4.952	.0488	4.879	.0156
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0202**	**4.940**	**.0107**	**.0506**	**.0030**	**.0514**	**.0051**	**.0103**	**.2056**
Stddev	.0001	.019	.0006	.0014	.0008	.0028	.0017	.0033	.0012
%RSD	.3937	.3859	5.330	2.671	26.37	5.413	32.27	32.41	.5631
#1	.0202	4.944	.0104	.0492	.0038	.0485	.0033	.0068	.2043
#2	.0202	4.958	.0105	.0507	.0031	.0540	.0064	.0107	.2061
#3	.0203	4.920	.0114	.0518	.0022	.0516	.0057	.0135	.2064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: CRI Acquired: 10/20/2025 9:17:46 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0098**	**.0101**	**.0097**	**.0090**	**.0501**	**.0503**	**.0239**	**.0098**
Stddev	.0006	.0001	.0005	.0023	.0001	.0018	.0002	.0001
%RSD	6.517	.7707	5.068	25.63	.2622	3.567	1.041	.5332
#1	.0091	.0102	.0092	.0098	.0502	.0517	.0242	.0097
#2	.0104	.0102	.0102	.0064	.0500	.0483	.0239	.0098
#3	.0100	.0100	.0097	.0109	.0501	.0509	.0237	.0098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6135.5**	**100970.**	**16846.**	**3113.1**
Stddev	19.0	35.	331.	9.8
%RSD	.30895	.03469	1.9633	.31578
#1	6120.4	100980.	16632.	3105.8
#2	6156.8	101000.	16679.	3124.3
#3	6129.3	100930.	17227.	3109.2

Zoom In Zoom Out

Sample Name: CCV Acquired: 10/20/2025 9:22:40 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2481**	**39.70**	**1.959**	**2.005**	**1.937**	**2.055**	**1.999**	**40.83**	**2.057**
Stddev	.0006	.23	.007	.006	.012	.015	.005	.30	.003
%RSD	.2536	.5743	.3446	.2968	.6403	.7393	.2751	.7433	.1293
#1	.2474	39.95	1.954	2.011	1.947	2.071	2.003	41.18	2.059
#2	.2482	39.67	1.967	2.006	1.941	2.052	2.001	40.67	2.059
#3	.2487	39.49	1.956	1.999	1.923	2.041	1.993	40.64	2.054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.999**	**2.077**	**2.035**	**1.937**	**40.55**	**39.72**	**1.985**	**39.44**	**2.074**
Stddev	.007	.005	.005	.002	.19	.10	.012	.29	.006
%RSD	.3618	.2274	.2465	.0999	.4782	.2558	.6001	.7481	.2897
#1	1.996	2.078	2.034	1.934	40.78	39.84	1.991	39.78	2.072
#2	2.007	2.082	2.041	1.938	40.43	39.66	1.992	39.28	2.081
#3	1.993	2.072	2.031	1.938	40.46	39.67	1.971	39.26	2.069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.042**	**39.89**	**2.078**	**2.045**	**2.065**	**2.047**	**2.014**	**2.025**	**5.057**
Stddev	.003	.18	.004	.007	.005	.003	.010	.008	.012
%RSD	.1637	.4609	.1906	.3261	.2564	.1226	.4764	.3918	.2360
#1	2.045	40.08	2.077	2.043	2.063	2.047	2.021	2.031	5.069
#2	2.044	39.89	2.082	2.052	2.071	2.049	2.018	2.029	5.057
#3	2.038	39.71	2.074	2.039	2.061	2.044	2.003	2.016	5.045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: CCV Acquired: 10/20/2025 9:22:40 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.055**	**2.042**	**2.016**	**2.035**	**2.016**	**2.024**	**2.084**	**2.025**
Stddev	.006	.013	.002	.003	.004	.010	.006	.004
%RSD	.2758	.6521	.0770	.1414	.2242	.4932	.2673	.2012
#1	2.051	2.054	2.015	2.031	2.014	2.026	2.081	2.025
#2	2.062	2.044	2.018	2.037	2.021	2.033	2.090	2.030
#3	2.053	2.027	2.015	2.035	2.013	2.013	2.080	2.022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6125.4**	**100620.**	**16676.**	**3071.2**
Stddev	4.6	127.	156.	1.3
%RSD	.07553	.12655	.93690	.04292
#1	6130.4	100610.	16527.	3071.1
#2	6121.3	100490.	16839.	3070.0
#3	6124.6	100750.	16661.	3072.6

Zoom In Zoom Out

Sample Name: CCB Acquired: 10/20/2025 9:27:12 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0014**	**-.0000**	**.0041**	**-.0001**	**.0002**	**-.0010**	**.0028**	**.0004**
Stddev	.0004	.0034	.0012	.0005	.0001	.0000	.0009	.0009	.0003
%RSD	440.0	238.4	16850.	11.98	120.0	5.435	98.71	33.72	67.39
#1	-.0003	-.0050	-.0013	.0046	-.0000	.0002	-.0000	.0037	.0004
#2	.0001	-.0009	.0001	.0041	.0000	.0002	-.0010	.0027	.0006
#3	.0005	.0017	.0011	.0036	-.0001	.0001	-.0019	.0019	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0013**	**.0004**	**.0002**	**.0003**	**.0022**	**-.0088**	**-.0003**	**.0045**	**.0002**
Stddev	.0016	.0003	.0002	.0003	.0015	.0401	.0007	.0100	.0002
%RSD	126.0	83.30	65.48	110.9	69.27	457.3	207.6	222.2	124.3
#1	.0030	.0004	.0003	.0003	.0039	.0145	-.0009	.0135	-.0000
#2	-.0003	.0007	.0001	-.0000	.0011	-.0551	-.0004	.0063	.0001
#3	.0013	.0000	.0004	.0006	.0015	.0143	.0004	-.0063	.0004
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0092**	**.0004**	**.0006**	**.0014**	**-.0015**	**-.0006**	**-.0005**	**.0011**
Stddev	.0003	.0056	.0003	.0011	.0009	.0043	.0013	.0020	.0009
%RSD	560.0	60.86	63.17	176.5	65.90	292.9	223.0	414.0	81.06
#1	.0002	-.0106	.0004	.0006	.0016	.0029	-.0009	.0007	.0021
#2	.0003	-.0139	.0007	-.0005	.0021	-.0016	.0009	-.0027	.0005
#3	-.0003	-.0030	.0002	.0017	.0004	-.0058	-.0017	.0006	.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: CCB Acquired: 10/20/2025 9:27:12 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0003**	**.0002**	**.0000**	**-.0019**	**.0002**	**-.0019**	**-.0000**	**.0002**
Stddev	.0006	.0000	.0005	.0014	.0000	.0007	.0001	.0001
%RSD	190.9	15.64	1035.	74.52	17.50	34.74	2877.	69.23
#1	-.0001	.0002	-.0004	-.0032	.0002	-.0019	.0001	.0000
#2	.0002	.0001	.0000	-.0021	.0003	-.0025	.0001	.0002
#3	-.0010	.0002	.0005	-.0004	.0002	-.0012	-.0002	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6108.3**	**100590.**	**16808.**	**3103.1**
Stddev	23.7	799.	139.	16.1
%RSD	.38827	.79399	.82846	.51748
#1	6133.7	100840.	16863.	3117.1
#2	6104.6	99701.	16650.	3106.6
#3	6086.7	101240.	16912.	3085.5

Zoom In Zoom Out

Sample Name: MP58070-MB1 Acquired: 10/20/2025 9:32:08 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**-.0010**	**-.0009**	**.1962**	**.0003**	**-.0001**	**-.0012**	**.1045**	**.0001**
Stddev	.0001	.0027	.0025	.0003	.0002	.0001	.0002	.0013	.0002
%RSD	155.6	280.5	287.1	.1739	69.49	88.76	16.73	1.210	398.9
#1	.0000	-.0040	.0020	.1958	.0005	-.0001	-.0010	.1031	-.0001
#2	-.0001	.0001	-.0026	.1962	.0001	-.0001	-.0014	.1056	.0003
#3	-.0002	.0010	-.0021	.1965	.0003	-.0000	-.0014	.1047	-.0000

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0053**	**.0000**	**.0004**	**.0023**	**.0130**	**.0142**	**-.0027**	**.0204**	**.0002**
Stddev	.0017	.0003	.0000	.0002	.0012	.0238	.0012	.0165	.0000
%RSD	32.22	1023.	8.689	7.729	8.900	167.8	46.54	81.02	15.41
#1	.0036	-.0003	.0004	.0022	.0140	.0109	-.0016	.0131	.0002
#2	.0052	.0001	.0004	.0025	.0118	.0394	-.0040	.0088	.0002
#3	.0070	.0002	.0004	.0023	.0133	-.0078	-.0024	.0394	.0002

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**.0367**	**-.0001**	**.0198**	**.0001**	**.0056**	**-.0010**	**-.0011**	**2.230**
Stddev	.0002	.0030	.0001	.0004	.0003	.0009	.0007	.0010	.010
%RSD	401.0	8.282	62.02	1.927	297.7	17.06	69.24	86.82	.4677
#1	-.0002	.0347	-.0001	.0198	-.0002	.0047	-.0006	-.0008	2.218
#2	-.0000	.0351	-.0001	.0194	.0000	.0066	-.0019	-.0003	2.236
#3	.0001	.0402	-.0000	.0202	.0004	.0054	-.0006	-.0022	2.236

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0167**	**.0002**	**.0001**	**-.0029**	**-.0002**	**-.0014**	**.0057**	**.0000**
Stddev	.0007	.0001	.0004	.0013	.0001	.0010	.0001	.0001
%RSD	4.409	23.53	333.5	43.59	69.90	71.10	1.829	2172.
#1	.0158	.0002	-.0003	-.0038	-.0003	-.0003	.0057	-.0000
#2	.0171	.0002	.0006	-.0034	-.0001	-.0017	.0058	.0001
#3	.0170	.0003	.0001	-.0014	-.0002	-.0022	.0056	-.0001

Zoom In Zoom Out

Sample Name: MP58070-MB1 Acquired: 10/20/2025 9:32:08 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6159.7**	**100700.**	**16718.**	**3130.4**
Stddev	32.1	299.	45.	18.7
%RSD	.52126	.29705	.27109	.59660
#1	6180.1	100960.	16668.	3144.1
#2	6176.4	100770.	16756.	3138.0
#3	6122.7	100370.	16730.	3109.1

Zoom In Zoom Out

Sample Name: MP58070-S1 Acquired: 10/20/2025 9:41:38 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2352**	**77.47**	**1.752**	**1.981**	**2.596**	**1.758**	**-.0114**	F **275.9**
Stddev	.0001	.14	.010	.006	.003	.003	.0017	5.7
%RSD	.0478	.1857	.5499	.3001	.1083	.1796	15.25	2.053
#1	.2351	77.35	1.745	1.975	2.593	1.755	-.0121	271.2
#2	.2353	77.63	1.748	1.980	2.597	1.761	-.0094	282.2
#3	.2352	77.42	1.763	1.987	2.599	1.759	-.0127	274.3

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.796**	**.3065**	**1.832**	**1.867**	**2.698**	**193.7**	**28.99**	**.0687**
Stddev	.006	.0010	.001	.004	.010	1.1	.04	.0006
%RSD	.3407	.3134	.0544	.1974	.3594	.5864	.1282	.8710
#1	1.790	.3076	1.831	1.867	2.699	192.6	28.97	.0688
#2	1.797	.3061	1.832	1.870	2.688	193.7	29.03	.0680
#3	1.802	.3057	1.833	1.863	2.708	194.8	28.96	.0692

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**85.59**	**4.499**	**1.715**	**25.90**	**1.944**	**3.499**	**4.610**	**5.518**
Stddev	.51	.024	.006	.04	.004	.006	.007	.021
%RSD	.6000	.5255	.3461	.1568	.1846	.1714	.1613	.3727
#1	85.10	4.511	1.708	25.85	1.943	3.494	4.615	5.494
#2	86.12	4.515	1.716	25.92	1.940	3.506	4.602	5.533
#3	85.56	4.472	1.720	25.93	1.947	3.498	4.614	5.526

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.104**	**1.699**	**9.924**	**1.910**	**2.495**	**4.191**	W **1.715**	**1.994**
Stddev	.006	.006	.046	.004	.023	.003	.006	.003
%RSD	.5468	.3332	.4641	.2284	.9257	.0633	.3770	.1484
#1	1.098	1.694	9.876	1.909	2.509	4.193	1.708	1.998
#2	1.103	1.699	9.928	1.906	2.508	4.191	1.717	1.993
#3	1.110	1.705	9.967	1.915	2.469	4.188	1.721	1.992

Zoom In Zoom Out

Sample Name: MP58070-S1 Acquired: 10/20/2025 9:41:38 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**1.185**	**5.778**	**1.778**
Stddev	.004	.005	.001
%RSD	.3471	.0909	.0592
#1	1.181	5.776	1.779
#2	1.186	5.774	1.777
#3	1.189	5.784	1.779

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6088.8**	**101650.**	**17077.**	**3076.6**
Stddev	7.4	433.	233.	5.0
%RSD	.12077	.42567	1.3671	.16244
#1	6081.7	101760.	17297.	3082.3
#2	6088.4	101170.	16832.	3073.2
#3	6096.4	102020.	17101.	3074.3

Zoom In Zoom Out

Sample Name: MP58070-S2 Acquired: 10/20/2025 9:46:33 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2462**	**86.66**	**1.835**	**2.075**	**2.678**	**1.843**	**-.0128**	F **295.4**
Stddev	.0008	.07	.004	.005	.005	.004	.0011	10.4
%RSD	.3260	.0760	.2341	.2560	.1811	.2312	8.858	3.538
#1	.2472	86.60	1.835	2.072	2.681	1.838	-.0127	289.3
#2	.2459	86.65	1.831	2.072	2.680	1.846	-.0139	289.4
#3	.2457	86.73	1.840	2.082	2.672	1.845	-.0117	307.5

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.877**	**.2636**	**1.901**	**1.887**	**2.585**	**137.2**	**29.21**	**.0656**
Stddev	.004	.0011	.003	.002	.011	.4	.04	.0014
%RSD	.2374	.4339	.1665	.0785	.4252	.3105	.1408	2.144
#1	1.875	.2646	1.899	1.887	2.596	136.8	29.19	.0672
#2	1.874	.2639	1.900	1.888	2.574	137.2	29.19	.0647
#3	1.882	.2624	1.905	1.885	2.585	137.7	29.26	.0649

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**91.55**	**3.984**	**1.796**	**26.96**	**2.003**	**3.132**	**4.508**	**4.812**
Stddev	.56	.005	.003	.00	.004	.007	.005	.012
%RSD	.6073	.1274	.1785	.0134	.1928	.2178	.1086	.2570
#1	91.00	3.982	1.794	26.96	2.004	3.125	4.505	4.801
#2	91.54	3.979	1.795	26.95	1.999	3.133	4.505	4.810
#3	92.11	3.989	1.800	26.96	2.007	3.139	4.513	4.825

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.172**	**1.773**	**12.00**	**1.928**	**2.393**	**4.053**	W **1.817**	**1.983**
Stddev	.005	.010	.04	.002	.013	.005	.002	.003
%RSD	.4376	.5404	.3254	.1048	.5610	.1361	.1200	.1266
#1	1.170	1.767	11.98	1.928	2.403	4.058	1.814	1.986
#2	1.168	1.768	11.98	1.926	2.378	4.054	1.819	1.981
#3	1.178	1.784	12.05	1.930	2.398	4.047	1.817	1.981

Zoom In Zoom Out

Sample Name: MP58070-S2 Acquired: 10/20/2025 9:46:33 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**1.304**	**5.327**	**1.846**
Stddev	.005	.012	.006
%RSD	.3679	.2171	.3075
#1	1.301	5.332	1.852
#2	1.301	5.314	1.842
#3	1.309	5.336	1.843

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6031.2**	**101480.**	**17177.**	**3067.0**
Stddev	15.8	140.	227.	7.4
%RSD	.26141	.13843	1.3211	.24071
#1	6022.3	101370.	17348.	3064.5
#2	6049.4	101410.	17263.	3075.3
#3	6021.9	101640.	16920.	3061.2

Zoom In Zoom Out

Sample Name: JE21274-7 Acquired: 10/20/2025 9:51:26 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0015**	**41.21**	**.0854**	**.3574**	**.7732**	**.0038**	**-.0074**	F **215.9**	**.0071**
Stddev	.0002	.14	.0014	.0005	.0032	.0000	.0007	1.9	.0003
%RSD	15.26	.3300	1.619	.1498	.4174	.5395	9.268	.8740	3.781
#1	.0017	41.35	.0842	.3570	.7768	.0038	-.0082	217.8	.0069
#2	.0012	41.21	.0850	.3573	.7721	.0038	-.0070	215.9	.0071
#3	.0015	41.07	.0869	.3580	.7707	.0038	-.0071	214.0	.0074

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2987**	**.0531**	**.1309**	**1.922**	**146.8**	**5.424**	**.0512**	**79.04**	**2.657**
Stddev	.0023	.0006	.0005	.003	.4	.024	.0007	.36	.004
%RSD	.7821	1.100	.3679	.1404	.2990	.4377	1.328	.4605	.1358
#1	.2971	.0525	.1312	1.920	147.3	5.421	.0519	79.33	2.656
#2	.3013	.0530	.1311	1.925	146.8	5.449	.0510	79.15	2.661
#3	.2975	.0537	.1303	1.920	146.4	5.402	.0506	78.63	2.654

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0116**	**4.020**	**.1557**	**2.909**	**2.837**	**4.845**	**.0121**	**.0057**	**13.20**
Stddev	.0003	.004	.0011	.012	.010	.025	.0012	.0016	.11
%RSD	2.368	.1009	.6800	.3998	.3420	.5071	9.736	27.79	.8677
#1	.0113	4.021	.1552	2.896	2.836	4.818	.0130	.0062	13.09
#2	.0118	4.023	.1550	2.912	2.828	4.852	.0108	.0070	13.20
#3	.0118	4.015	.1570	2.918	2.848	4.865	.0126	.0039	13.32

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1897**	**.4206**	**2.210**	**.0026**	**.2206**	**.0078**	**2.737**	**.0277**
Stddev	.0017	.0012	.004	.0021	.0004	.0006	.010	.0002
%RSD	.8795	.2802	.1796	79.77	.1681	8.307	.3561	.5799
#1	.1879	.4218	2.210	.0046	.2209	.0084	2.732	.0278
#2	.1902	.4206	2.214	.0027	.2209	.0077	2.730	.0279
#3	.1911	.4194	2.206	.0005	.2202	.0071	2.748	.0276

Zoom In Zoom Out

Sample Name: JE21274-7 Acquired: 10/20/2025 9:51:26 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6106.8**	**101850.**	**17178.**	**3095.7**
Stddev	20.7	228.	142.	9.8
%RSD	.33954	.22396	.82746	.31621
#1	6117.2	101930.	17149.	3103.1
#2	6120.3	101590.	17052.	3099.4
#3	6082.9	102030.	17332.	3084.6

Zoom In Zoom Out

Sample Name: MP58070-SD1 Acquired: 10/20/2025 9:56:19 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0026**	**41.55**	**.0910**	**.3810**	**.7855**	**.0034**	**-.0115**	**223.4**	**.0069**
Stddev	.0006	.09	.0073	.0063	.0016	.0003	.0040	.3	.0006
%RSD	23.49	.2207	7.986	1.666	.2008	7.452	34.63	.1511	8.436
#1	.0033	41.66	.0895	.3739	.7862	.0032	-.0084	223.7	.0064
#2	.0026	41.49	.0989	.3863	.7837	.0035	-.0160	223.0	.0075
#3	.0020	41.52	.0846	.3827	.7867	.0037	-.0101	223.4	.0069

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3015**	**.0528**	**.1390**	**1.785**	**153.3**	**5.511**	**.0525**	**81.68**	**2.746**
Stddev	.0051	.0010	.0016	.005	.3	.266	.0013	.13	.007
%RSD	1.677	1.837	1.126	.2903	.1776	4.817	2.496	.1584	.2630
#1	.3064	.0537	.1406	1.788	153.5	5.818	.0522	81.79	2.754
#2	.2963	.0518	.1389	1.788	153.3	5.365	.0513	81.54	2.740
#3	.3018	.0529	.1375	1.779	153.0	5.351	.0539	81.71	2.746

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0106**	**3.985**	**.1623**	**2.980**	**2.919**	**4.884**	**.0057**	**.0034**	**13.36**
Stddev	.0023	.018	.0025	.043	.050	.069	.0105	.0185	.26
%RSD	21.42	.4616	1.514	1.441	1.703	1.404	183.8	546.0	1.909
#1	.0117	3.969	.1601	2.955	2.900	4.823	-.0017	-.0018	13.21
#2	.0080	4.005	.1618	2.956	2.882	4.871	.0177	-.0119	13.22
#3	.0121	3.980	.1650	3.030	2.976	4.958	.0012	.0239	13.66

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1866**	**.4304**	**2.211**	**-.0069**	**.2270**	**.0083**	**2.949**	**.0288**
Stddev	.0102	.0007	.008	.0061	.0004	.0050	.053	.0006
%RSD	5.443	.1634	.3651	88.59	.1581	59.39	1.806	2.002
#1	.1792	.4312	2.220	-.0086	.2272	.0126	2.921	.0284
#2	.1823	.4301	2.208	-.0120	.2272	.0029	2.916	.0285
#3	.1981	.4298	2.205	-.0001	.2266	.0096	3.011	.0294

Zoom In Zoom Out

Sample Name: MP58070-SD1 Acquired: 10/20/2025 9:56:19 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6138.6**	**101010.**	**16870.**	**3100.6**
Stddev	79.2	363.	53.	37.4
%RSD	1.2908	.35953	.31347	1.2067
#1	6181.0	100590.	16810.	3120.3
#2	6187.5	101240.	16909.	3124.1
#3	6047.1	101200.	16891.	3057.5

Zoom In Zoom Out

Sample Name: MP58070-PS1 Acquired: 10/20/2025 10:01:08 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2495**	**63.95**	**1.890**	**2.198**	**2.515**	**1.867**	**-.0129**	F **232.3**
Stddev	.0053	.48	.033	.033	.017	.019	.0012	5.6
%RSD	2.126	.7553	1.718	1.491	.6777	1.030	9.077	2.414
#1	.2528	63.74	1.928	2.235	2.506	1.861	-.0115	228.9
#2	.2522	64.50	1.872	2.181	2.535	1.889	-.0135	238.8
#3	.2434	63.61	1.871	2.176	2.504	1.852	-.0136	229.3

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.902**	**.2923**	**1.919**	**1.904**	**3.691**	**164.4**	**29.01**	**.0508**
Stddev	.028	.0081	.028	.041	.093	1.6	.21	.0008
%RSD	1.481	2.777	1.439	2.168	2.510	.9644	.7220	1.598
#1	1.935	.2971	1.951	1.934	3.739	163.8	28.85	.0511
#2	1.887	.2968	1.902	1.921	3.751	166.2	29.24	.0515
#3	1.885	.2829	1.904	1.857	3.585	163.1	28.93	.0499

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**99.25**	**4.404**	**1.882**	**27.88**	**2.009**	**2.831**	**4.575**	**4.713**
Stddev	1.29	.052	.026	.16	.028	.043	.067	.073
%RSD	1.304	1.182	1.381	.5768	1.400	1.505	1.456	1.546
#1	98.86	4.362	1.912	27.80	2.042	2.880	4.652	4.797
#2	100.7	4.388	1.869	28.06	1.990	2.808	4.534	4.680
#3	98.19	4.462	1.866	27.77	1.996	2.805	4.540	4.663

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.902**	**1.840**	**13.24**	**2.056**	**2.249**	**3.944**	W **1.841**	**1.992**
Stddev	.025	.027	.21	.030	.016	.087	.027	.043
%RSD	1.339	1.450	1.602	1.442	.6928	2.213	1.456	2.155
#1	1.931	1.871	13.49	2.090	2.241	4.003	1.872	2.020
#2	1.892	1.823	13.12	2.038	2.267	3.984	1.826	2.013
#3	1.884	1.826	13.12	2.039	2.239	3.844	1.825	1.942

Sample Name: MP58070-PS1 Acquired: 10/20/2025 10:01:08 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**1.753**	**4.404**	**1.872**
Stddev	.018	.063	.045
%RSD	1.045	1.428	2.385
#1	1.774	4.476	1.899
#2	1.744	4.360	1.896
#3	1.741	4.376	1.820

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6073.8**	**102270.**	**17097.**	**3059.7**
Stddev	72.6	2080.	244.	37.5
%RSD	1.1946	2.0337	1.4285	1.2245
#1	5991.9	100650.	17178.	3017.0
#2	6130.2	101530.	16823.	3087.3
#3	6099.2	104610.	17291.	3074.8

Sample Name: JE21274-8 Acquired: 10/20/2025 10:05:58 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0010**	**43.77**	**.1022**	**.3334**	**1.195**	**.0045**	**-.0070**	**110.4**	**.0078**
Stddev	.0002	.09	.0027	.0004	.002	.0000	.0014	.3	.0002
%RSD	23.46	.1988	2.605	.1289	.1993	.7136	19.75	.2673	2.950
#1	.0007	43.71	.1035	.3332	1.192	.0045	-.0081	110.0	.0077
#2	.0012	43.87	.0991	.3331	1.197	.0046	-.0076	110.6	.0076
#3	.0011	43.74	.1039	.3339	1.194	.0045	-.0054	110.5	.0080

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3555**	**.0553**	**.1216**	**.8329**	**139.3**	**5.915**	**.0590**	**38.38**	**2.413**
Stddev	.0004	.0002	.0004	.0011	.2	.021	.0013	.18	.004
%RSD	.1070	.3630	.3157	.1307	.1300	.3621	2.204	.4793	.1439
#1	.3559	.0555	.1217	.8319	139.1	5.939	.0583	38.17	2.414
#2	.3552	.0551	.1212	.8327	139.5	5.900	.0605	38.50	2.409
#3	.3553	.0554	.1220	.8341	139.3	5.906	.0583	38.48	2.415

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0093**	**3.753**	**.1726**	**3.186**	**3.407**	**3.010**	**.0264**	**.0077**	**6.580**
Stddev	.0003	.010	.0010	.008	.009	.018	.0024	.0031	.006
%RSD	2.745	.2697	.5557	.2496	.2593	.5927	9.211	39.62	.0955
#1	.0096	3.752	.1723	3.185	3.408	3.013	.0276	.0111	6.578
#2	.0093	3.763	.1718	3.179	3.398	2.990	.0280	.0052	6.575
#3	.0091	3.743	.1737	3.194	3.416	3.026	.0236	.0068	6.587

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1497**	**.3668**	**2.490**	**.0017**	**.2465**	**.0285**	**2.106**	**.0362**
Stddev	.0007	.0011	.002	.0021	.0002	.0037	.005	.0003
%RSD	.4847	.2909	.0659	122.2	.0658	12.83	.2382	.8392
#1	.1489	.3656	2.488	-.0006	.2466	.0321	2.108	.0359
#2	.1501	.3674	2.490	.0034	.2463	.0288	2.100	.0365
#3	.1502	.3674	2.492	.0022	.2465	.0247	2.109	.0360

Sample Name: JE21274-8 Acquired: 10/20/2025 10:05:58 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1 DAY RUSH

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6150.3**	**103870.**	**17699.**	**3153.1**
Stddev	19.1	134.	67.	10.2
%RSD	.31055	.12942	.37625	.32308
#1	6152.1	103720.	17708.	3156.4
#2	6168.4	103990.	17629.	3161.2
#3	6130.4	103900.	17762.	3141.6

Sample Name: CCV Acquired: 10/20/2025 10:10:42 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2485**	**39.84**	**1.967**	**2.016**	**1.956**	**2.071**	**2.010**	**41.07**	**2.064**
Stddev	.0008	.12	.002	.011	.006	.007	.010	.19	.005
%RSD	.3125	.3103	.1221	.5456	.3015	.3643	.5197	.4587	.2519
#1	.2479	39.99	1.964	2.004	1.959	2.080	1.998	41.28	2.058
#2	.2483	39.76	1.968	2.019	1.949	2.065	2.014	40.98	2.067
#3	.2494	39.78	1.969	2.026	1.959	2.069	2.017	40.93	2.067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.007**	**2.079**	**2.044**	**1.940**	**40.48**	**39.67**	**2.007**	**39.88**	**2.088**
Stddev	.007	.000	.005	.005	.14	.16	.006	.17	.005
%RSD	.3273	.0180	.2478	.2457	.3567	.4072	.2777	.4140	.2293
#1	2.012	2.079	2.048	1.944	40.63	39.85	2.010	40.07	2.092
#2	2.009	2.079	2.038	1.942	40.46	39.60	2.001	39.79	2.083
#3	1.999	2.079	2.046	1.935	40.35	39.55	2.010	39.77	2.089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.051**	**40.00**	**2.080**	**2.044**	**2.066**	**2.041**	**2.025**	**2.033**	**5.113**
Stddev	.005	.12	.004	.011	.007	.015	.007	.013	.025
%RSD	.2414	.3099	.2026	.5356	.3309	.7200	.3457	.6388	.4881
#1	2.045	40.15	2.085	2.031	2.070	2.025	2.018	2.018	5.085
#2	2.054	39.92	2.077	2.051	2.071	2.043	2.026	2.038	5.127
#3	2.054	39.95	2.077	2.049	2.058	2.054	2.032	2.042	5.129
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: CCV Acquired: 10/20/2025 10:10:42 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.058**	**2.060**	**2.017**	**2.042**	**2.020**	**2.048**	**2.081**	**2.035**
Stddev	.001	.006	.004	.005	.004	.005	.005	.003
%RSD	.0496	.2711	.2240	.2339	.2005	.2333	.2399	.1546
#1	2.059	2.066	2.021	2.037	2.023	2.043	2.086	2.038
#2	2.057	2.055	2.012	2.046	2.016	2.051	2.081	2.034
#3	2.057	2.059	2.018	2.042	2.022	2.052	2.077	2.032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6131.0**	**99994.**	**16687.**	**3067.2**
Stddev	14.6	766.	78.	9.8
%RSD	.23809	.76601	.46792	.31873
#1	6130.9	99333.	16599.	3074.8
#2	6145.6	100830.	16711.	3070.6
#3	6116.4	99815.	16749.	3056.2

Zoom In Zoom Out

Sample Name: CCB Acquired: 10/20/2025 10:15:14 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**-.0057**	**-.0016**	**.0052**	**-.0001**	**.0001**	**-.0000**	**.0040**	**.0004**
Stddev	.0002	.0071	.0012	.0008	.0001	.0000	.0019	.0034	.0003
%RSD	68.28	124.5	71.18	16.32	107.9	1.729	8123.	85.16	73.03
#1	-.0004	-.0014	-.0025	.0061	-.0000	.0001	.0017	.0006	.0006
#2	-.0002	-.0018	-.0003	.0048	-.0002	.0001	-.0021	.0040	.0005
#3	-.0001	-.0140	-.0021	.0045	-.0000	.0001	.0003	.0073	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0045**	**.0005**	**.0005**	**.0011**	**.0023**	**-.0172**	**-.0003**	**-.0109**	**.0003**
Stddev	.0015	.0003	.0002	.0003	.0024	.0201	.0010	.0086	.0002
%RSD	33.87	70.79	51.56	25.51	104.0	116.6	347.5	78.76	47.99
#1	.0055	.0005	.0005	.0008	.0049	.0046	.0003	-.0020	.0001
#2	.0027	.0008	.0002	.0014	.0003	-.0348	.0002	-.0116	.0004
#3	.0052	.0001	.0007	.0013	.0016	-.0215	-.0014	-.0192	.0004
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**-.0069**	**.0006**	**.0005**	**.0006**	**.0003**	**-.0010**	**-.0011**	**.0098**
Stddev	.0003	.0050	.0001	.0016	.0005	.0016	.0011	.0004	.0008
%RSD	54.87	72.80	15.77	344.5	89.30	527.4	104.4	37.40	8.283
#1	.0008	-.0011	.0006	.0023	.0011	.0000	-.0013	-.0007	.0107
#2	.0007	-.0095	.0005	-.0003	.0006	.0020	-.0019	-.0015	.0091
#3	.0002	-.0100	.0007	-.0006	.0000	-.0012	.0002	-.0009	.0096
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: CCB Acquired: 10/20/2025 10:15:14 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0001**	**.0005**	**-.0004**	**.0003**	**.0052**	**.0004**	**.0003**
Stddev	.0014	.0001	.0002	.0014	.0003	.0009	.0001	.0001
%RSD	765.0	72.05	37.19	305.0	73.71	16.85	15.57	44.47
#1	.0005	.0001	.0005	-.0006	.0002	.0060	.0004	.0002
#2	.0014	.0000	.0007	.0010	.0002	.0055	.0004	.0004
#3	-.0013	.0002	.0003	-.0017	.0006	.0043	.0003	.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6141.1**	**100700.**	**16661.**	**3120.4**
Stddev	23.0	294.	43.	10.0
%RSD	.37414	.29200	.25713	.31995
#1	6162.6	100710.	16635.	3127.6
#2	6143.8	100980.	16638.	3124.7
#3	6116.9	100400.	16711.	3109.0

Zoom In Zoom Out

Sample Name: MP58091-MB1 Acquired: 10/20/2025 10:20:09 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**-.0034**	**-.0012**	**.1961**	**.0022**	**-.0001**	**.0005**	**.0201**	**-.0000**
Stddev	.0001	.0040	.0013	.0005	.0002	.0000	.0006	.0014	.0002
%RSD	23.58	119.9	109.1	.2356	7.501	11.84	118.7	6.841	472.2
#1	-.0002	-.0010	-.0018	.1961	.0023	-.0001	.0006	.0198	.0000
#2	-.0003	-.0011	.0003	.1957	.0020	-.0001	.0011	.0215	-.0003
#3	-.0002	-.0080	-.0021	.1966	.0022	-.0001	-.0001	.0188	.0001

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0029**	**-.0002**	**.0003**	**.0007**	**.0150**	**.0165**	**-.0002**	**-.0290**	**.0001**
Stddev	.0008	.0002	.0003	.0003	.0018	.0248	.0019	.0239	.0000
%RSD	28.25	83.89	109.4	48.74	12.13	150.4	1208.	82.44	76.36
#1	.0029	-.0001	.0006	.0011	.0163	.0242	.0021	-.0022	.0001
#2	.0036	-.0001	.0001	.0005	.0158	.0365	-.0012	-.0480	.0000
#3	.0020	-.0004	.0001	.0005	.0129	-.0112	-.0014	-.0367	.0001

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**.0211**	**-.0001**	**.0079**	**-.0001**	**.0135**	**.0006**	**-.0008**	**2.285**
Stddev	.0001	.0043	.0003	.0013	.0007	.0049	.0011	.0011	.005
%RSD	74.02	20.49	484.8	15.99	917.8	36.38	189.3	134.5	.2197
#1	-.0003	.0217	-.0004	.0075	-.0009	.0190	-.0002	-.0000	2.281
#2	-.0000	.0165	.0000	.0069	.0002	.0093	.0000	-.0020	2.284
#3	-.0003	.0250	.0001	.0093	.0005	.0123	.0019	-.0003	2.291

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0001**	**.0002**	**-.0010**	**-.0000**	**.0054**	**.0015**	**.0000**
Stddev	.0008	.0000	.0002	.0009	.0002	.0005	.0002	.0001
%RSD	834.5	5.788	74.11	90.16	440.0	9.342	14.78	628.0
#1	-.0008	-.0001	.0001	-.0021	-.0001	.0055	.0012	-.0000
#2	.0007	-.0002	.0001	-.0005	.0002	.0058	.0014	-.0001
#3	.0004	-.0001	.0004	-.0004	-.0002	.0048	.0017	.0001

Zoom In Zoom Out

Sample Name: MP58091-MB1 Acquired: 10/20/2025 10:20:09 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6153.8**	**100090.**	**16631.**	**3122.7**
Stddev	18.8	524.	48.	8.8
%RSD	.30556	.52354	.28618	.28314
#1	6134.5	99526.	16676.	3113.4
#2	6172.0	100170.	16581.	3131.0
#3	6154.9	100560.	16636.	3123.5

Zoom In Zoom Out

Sample Name: MP58091-LB1 Acquired: 10/20/2025 10:25:03 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**-.0027**	**.0049**	**.1204**	**.0103**	**-.0001**	**-.0026**	**1.989**	**-.0000**
Stddev	.0002	.0118	.0030	.0014	.0002	.0000	.0001	.015	.0001
%RSD	80.69	433.8	62.44	1.155	2.231	16.51	5.639	.7448	576.0
#1	.0003	.0083	.0081	.1189	.0104	-.0001	-.0026	2.006	.0000
#2	.0000	-.0012	.0043	.1216	.0101	-.0001	-.0028	1.983	-.0001
#3	.0004	-.0152	.0021	.1208	.0105	-.0001	-.0025	1.978	.0001

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0021**	**-.0003**	**.0012**	**.0023**	**.0240**	**.3196**	**.0059**	**.0429**	**.0055**
Stddev	.0019	.0000	.0002	.0001	.0007	.0267	.0004	.0157	.0000
%RSD	91.96	12.39	16.51	3.112	2.820	8.341	7.096	36.63	.3432
#1	-.0000	-.0003	.0012	.0023	.0236	.3023	.0055	.0330	.0055
#2	-.0038	-.0004	.0010	.0022	.0248	.3062	.0063	.0610	.0055
#3	-.0024	-.0003	.0014	.0023	.0236	.3503	.0059	.0347	.0055

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	F **1274.**	**.0020**	**.0265**	**-.0004**	**.0783**	**-.0015**	**.0051**	F **42.43**
Stddev	.0001	16.	.0001	.0007	.0003	.0044	.0008	.0026	.25
%RSD	37.03	1.253	4.605	2.641	76.99	5.599	53.61	51.30	.5906
#1	-.0001	1290.	.0019	.0257	-.0004	.0797	-.0018	.0047	42.19
#2	-.0003	1258.	.0021	.0265	-.0008	.0817	-.0020	.0027	42.43
#3	-.0002	1274.	.0021	.0271	-.0001	.0733	-.0006	.0079	42.69

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007**	**.0165**	**-.0012**	**-.0049**	**-.0001**	**-.0026**	**.4146**	**-.0015**
Stddev	.0004	.0001	.0002	.0020	.0004	.0009	.0011	.0001
%RSD	52.07	.4378	13.66	40.92	683.3	33.37	.2767	9.360
#1	.0005	.0166	-.0011	-.0026	.0003	-.0034	.4134	-.0017
#2	.0004	.0164	-.0011	-.0058	-.0004	-.0017	.4147	-.0014
#3	.0011	.0165	-.0014	-.0064	-.0001	-.0026	.4156	-.0015

Zoom In Zoom Out

Sample Name: MP58091-LB1 Acquired: 10/20/2025 10:25:03 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5832.8**	**100210.**	**16406.**	**3022.0**
Stddev	15.4	329.	276.	11.5
%RSD	.26434	.32798	1.6795	.38165
#1	5847.6	100090.	16091.	3034.3
#2	5834.1	99959.	16606.	3020.1
#3	5816.8	100580.	16520.	3011.5

Zoom In Zoom Out

Sample Name: MP58091-B1 Acquired: 10/20/2025 10:30:03 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2435**	**23.51**	**1.808**	**2.047**	**1.795**	**1.946**	**-.0088**	**24.43**
Stddev	.0004	.08	.007	.010	.010	.010	.0005	.13
%RSD	.1539	.3441	.3740	.5031	.5449	.5137	5.774	.5160
#1	.2439	23.45	1.810	2.045	1.784	1.938	-.0088	24.36
#2	.2434	23.48	1.800	2.037	1.796	1.942	-.0093	24.36
#3	.2432	23.60	1.814	2.058	1.804	1.957	-.0083	24.58

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.907**	**.0099**	**1.939**	**1.901**	**1.794**	**24.02**	**23.28**	**-.0032**
Stddev	.007	.0031	.006	.001	.008	.09	.06	.0011
%RSD	.3476	31.03	.3255	.0495	.4275	.3770	.2656	33.87
#1	1.905	.0086	1.938	1.901	1.802	23.97	23.24	-.0019
#2	1.902	.0078	1.934	1.901	1.789	23.98	23.25	-.0036
#3	1.915	.0135	1.946	1.902	1.789	24.13	23.35	-.0039

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.28**	**1.936**	**1.930**	**23.65**	**1.939**	**-.0005**	**1.918**	**-.0044**
Stddev	.22	.003	.006	.05	.005	.0013	.005	.0050
%RSD	.9546	.1696	.3303	.2106	.2661	282.8	.2689	113.4
#1	23.07	1.940	1.929	23.61	1.937	.0009	1.915	-.0018
#2	23.25	1.935	1.924	23.63	1.935	-.0006	1.914	-.0012
#3	23.51	1.934	1.937	23.70	1.945	-.0017	1.923	-.0101

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.889**	**1.867**	**2.094**	**1.933**	**1.904**	**1.903**	W **1.880**	**1.875**
Stddev	.006	.008	.009	.006	.008	.001	.006	.002
%RSD	.2959	.4174	.4264	.3152	.3978	.0574	.3239	.1110
#1	1.892	1.871	2.097	1.931	1.897	1.904	1.876	1.877
#2	1.883	1.858	2.084	1.927	1.905	1.901	1.877	1.873
#3	1.894	1.871	2.101	1.939	1.912	1.903	1.887	1.875

Zoom In Zoom Out

Sample Name: MP58091-B1 Acquired: 10/20/2025 10:30:03 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**1.882**	**1.934**	**1.919**
Stddev	.002	.005	.004
%RSD	.1102	.2413	.2255
#1	1.880	1.930	1.924
#2	1.880	1.933	1.916
#3	1.884	1.939	1.916

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6168.3**	**101050.**	**16832.**	**3091.7**
Stddev	8.2	263.	45.	3.9
%RSD	.13262	.26029	.26962	.12465
#1	6165.4	100950.	16872.	3089.5
#2	6177.5	101340.	16841.	3096.1
#3	6161.9	100850.	16783.	3089.5

Zoom In Zoom Out

Sample Name: MP58091-LS1 Acquired: 10/20/2025 10:34:39 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2599**	**23.91**	**1.878**	**2.035**	**1.816**	**1.979**	**-.0094**	**26.43**
Stddev	.0008	.03	.005	.005	.003	.001	.0006	.07
%RSD	.3206	.1454	.2658	.2650	.1748	.0724	6.393	.2770
#1	.2599	23.87	1.873	2.038	1.815	1.978	-.0087	26.40
#2	.2608	23.92	1.878	2.029	1.819	1.981	-.0099	26.39
#3	.2592	23.94	1.883	2.038	1.813	1.979	-.0097	26.52

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.978**	**.0099**	**1.970**	**1.853**	**1.926**	**24.18**	**24.80**	**.0053**
Stddev	.005	.0008	.005	.006	.006	.07	.02	.0005
%RSD	.2385	7.646	.2415	.3155	.3143	.3071	.0972	10.20
#1	1.976	.0104	1.967	1.854	1.919	24.14	24.83	.0047
#2	1.975	.0090	1.967	1.859	1.930	24.12	24.79	.0056
#3	1.984	.0102	1.976	1.847	1.929	24.26	24.78	.0057

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.24**	**1.904**	**1.906**	F **1293.**	**1.956**	**.0217**	**1.950**	**.0532**
Stddev	.11	.004	.004	11.	.004	.0010	.009	.0028
%RSD	.4755	.2130	.2000	.8610	.2247	4.613	.4438	5.354
#1	23.15	1.900	1.904	1301.	1.956	.0227	1.944	.0537
#2	23.21	1.908	1.903	1298.	1.952	.0207	1.947	.0557
#3	23.36	1.904	1.910	1280.	1.960	.0217	1.960	.0501

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.927**	**2.007**	F **42.29**	**1.909**	**1.933**	**1.888**	W **1.933**	**1.854**
Stddev	.005	.003	.06	.004	.002	.005	.004	.004
%RSD	.2641	.1295	.1467	.2025	.1003	.2831	.2273	.2193
#1	1.927	2.009	42.28	1.908	1.933	1.890	1.935	1.855
#2	1.922	2.004	42.24	1.906	1.935	1.891	1.927	1.858
#3	1.932	2.008	42.36	1.914	1.931	1.882	1.935	1.850

Zoom In Zoom Out

Sample Name: MP58091-LS1 Acquired: 10/20/2025 10:34:39 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**1.873**	**2.290**	**1.935**
Stddev	.005	.005	.004
%RSD	.2762	.2396	.1836
#1	1.871	2.286	1.931
#2	1.869	2.287	1.937
#3	1.879	2.296	1.937

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5825.3**	**100100.**	**16633.**	**3022.5**
Stddev	11.9	324.	148.	5.7
%RSD	.20388	.32332	.89171	.18988
#1	5832.7	100220.	16705.	3026.1
#2	5831.7	99732.	16733.	3025.5
#3	5811.6	100350.	16463.	3015.9

Zoom In Zoom Out

Sample Name: MP58091-S1 Acquired: 10/20/2025 10:39:23 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: RUSH 10/20

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2587**	**23.88**	**1.895**	**2.082**	**2.159**	**1.981**	**-.0093**	**30.59**
Stddev	.0011	.02	.047	.054	.004	.007	.0022	.10
%RSD	.4313	.0925	2.456	2.605	.1709	.3658	23.60	.3413
#1	.2577	23.86	1.877	2.059	2.155	1.978	-.0078	30.62
#2	.2599	23.90	1.861	2.042	2.161	1.976	-.0119	30.47
#3	.2586	23.87	1.948	2.143	2.161	1.989	-.0083	30.68

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.996**	**.0235**	**2.004**	**1.848**	**1.935**	**24.15**	**25.36**	**.0047**
Stddev	.052	.0009	.049	.005	.009	.05	.05	.0015
%RSD	2.615	3.822	2.426	.2626	.4852	.2224	.1797	32.56
#1	1.977	.0225	1.984	1.843	1.935	24.21	25.36	.0064
#2	1.956	.0238	1.968	1.847	1.945	24.11	25.40	.0034
#3	2.055	.0242	2.059	1.853	1.926	24.13	25.31	.0043

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.77**	**2.831**	**1.930**	F **1128.**	**1.980**	**-.0015**	**1.980**	**1.057**
Stddev	.13	.004	.050	11.	.047	.0005	.050	.028
%RSD	.5091	.1462	2.608	.9682	2.348	32.92	2.539	2.667
#1	24.88	2.827	1.911	1118.	1.963	-.0009	1.960	1.042
#2	24.63	2.832	1.892	1140.	1.945	-.0019	1.943	1.040
#3	24.79	2.835	1.987	1125.	2.033	-.0017	2.037	1.090

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.954**	**2.005**	F **37.09**	**1.930**	**1.967**	**1.883**	W **1.964**	**1.852**
Stddev	.053	.055	.94	.053	.005	.004	.046	.004
%RSD	2.697	2.717	2.539	2.733	.2554	.1906	2.364	.2344
#1	1.934	1.983	36.71	1.910	1.962	1.879	1.945	1.847
#2	1.914	1.965	36.40	1.891	1.967	1.885	1.931	1.852
#3	2.013	2.067	38.17	1.990	1.972	1.885	2.017	1.855

Zoom In Zoom Out

Sample Name: MP58091-S1 Acquired: 10/20/2025 10:39:23 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: RUSH 10/20

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**1.903**	**2.055**	**1.938**
Stddev	.049	.053	.004
%RSD	2.553	2.587	.2118
#1	1.885	2.033	1.935
#2	1.866	2.017	1.943
#3	1.958	2.116	1.936

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5798.9**	**100160.**	**16588.**	**3002.2**
Stddev	115.0	327.	41.	64.6
%RSD	1.9828	.32658	.24654	2.1508
#1	5840.3	100410.	16544.	3025.0
#2	5887.4	100290.	16594.	3052.3
#3	5668.9	99791.	16625.	2929.4

Zoom In Zoom Out

Sample Name: MP58091-S2 Acquired: 10/20/2025 10:44:07 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: RUSH 10/20

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2567**	**23.52**	**1.840**	**2.039**	**2.151**	**1.948**	**-.0082**	**30.44**
Stddev	.0041	.06	.010	.005	.006	.003	.0010	.12
%RSD	1.596	.2635	.5447	.2521	.2723	.1666	12.26	.4030
#1	.2559	23.59	1.828	2.034	2.156	1.950	-.0074	30.53
#2	.2611	23.48	1.847	2.044	2.152	1.944	-.0079	30.30
#3	.2530	23.49	1.845	2.040	2.144	1.949	-.0093	30.48

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.955**	**.0235**	**1.962**	**1.828**	**1.905**	**23.85**	**25.11**	**.0055**
Stddev	.005	.0009	.005	.026	.039	.07	.07	.0006
%RSD	.2781	3.641	.2703	1.430	2.059	.2769	.2611	10.46
#1	1.949	.0227	1.957	1.819	1.897	23.92	25.15	.0061
#2	1.960	.0244	1.968	1.857	1.947	23.79	25.14	.0054
#3	1.956	.0232	1.961	1.807	1.870	23.84	25.03	.0050

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.42**	**2.843**	**1.874**	F **1187.**	**1.938**	**.0000**	**1.938**	**1.104**
Stddev	.14	.041	.005	40.	.006	.0008	.005	.001
%RSD	.5788	1.442	.2499	3.335	.3024	2863.	.2634	.0960
#1	24.53	2.833	1.869	1224.	1.932	.0005	1.932	1.104
#2	24.26	2.888	1.879	1145.	1.943	-.0009	1.939	1.102
#3	24.46	2.808	1.875	1192.	1.940	.0005	1.942	1.104

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.901**	**1.974**	F **38.55**	**1.874**	**1.936**	**1.853**	W **1.918**	**1.830**
Stddev	.005	.004	.13	.008	.003	.031	.010	.027
%RSD	.2540	.1990	.3410	.4298	.1396	1.675	.5008	1.484
#1	1.895	1.971	38.41	1.865	1.935	1.845	1.907	1.821
#2	1.903	1.974	38.66	1.881	1.938	1.888	1.923	1.860
#3	1.905	1.979	38.59	1.876	1.933	1.828	1.923	1.808

Zoom In Zoom Out

Sample Name: MP58091-S2 Acquired: 10/20/2025 10:44:07 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: RUSH 10/20

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**1.843**	**2.015**	**1.897**
Stddev	.006	.005	.034
%RSD	.3497	.2311	1.774
#1	1.836	2.010	1.889
#2	1.843	2.019	1.934
#3	1.849	2.016	1.868

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5837.0**	**100780.**	**16754.**	**3028.8**
Stddev	9.8	912.	177.	4.5
%RSD	.16866	.90450	1.0581	.14799
#1	5846.1	101010.	16586.	3032.1
#2	5826.6	99781.	16939.	3023.7
#3	5838.2	101560.	16736.	3030.7

Zoom In Zoom Out

Sample Name: JE21185-16 Acquired: 10/20/2025 10:48:51 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: RUSH 10/20

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.1251**	**.0131**	**.2041**	**.3823**	**.0007**	**-.0024**	**6.853**	**.0015**
Stddev	.0005	.0014	.0033	.0002	.0003	.0001	.0003	.027	.0001
%RSD	299.3	1.086	25.10	.1005	.0863	8.044	10.80	.3877	4.368
#1	.0006	.1248	.0108	.2041	.3826	.0006	-.0024	6.827	.0015
#2	-.0004	.1266	.0169	.2043	.3822	.0007	-.0026	6.880	.0015
#3	.0004	.1239	.0117	.2039	.3820	.0007	-.0021	6.850	.0014

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0157**	**.0090**	**.0014**	**.0091**	**.3206**	**1.325**	**-.0013**	**1.785**	**1.022**
Stddev	.0017	.0002	.0002	.0003	.0015	.040	.0003	.027	.002
%RSD	11.08	1.757	15.91	2.899	.4586	2.996	23.50	1.494	.2347
#1	.0170	.0092	.0013	.0090	.3199	1.297	-.0011	1.755	1.020
#2	.0138	.0089	.0013	.0089	.3223	1.371	-.0012	1.802	1.024
#3	.0164	.0089	.0017	.0094	.3196	1.308	-.0017	1.799	1.024

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	F **1188.**	**.0049**	**-.0014**	**.0069**	**1.128**	**-.0026**	**.0039**	F **39.31**
Stddev	.0005	8.	.0001	.0011	.0005	.006	.0008	.0007	.17
%RSD	468.6	.6873	1.458	78.03	7.326	.5577	32.76	18.02	.4209
#1	-.0001	1185.	.0048	-.0025	.0071	1.124	-.0031	.0036	39.12
#2	.0004	1197.	.0048	-.0013	.0073	1.135	-.0029	.0034	39.43
#3	-.0005	1182.	.0049	-.0003	.0064	1.125	-.0016	.0047	39.39

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0009**	**.0485**	**.0006**	**-.0043**	**.0006**	**-.0041**	**.1552**	**-.0006**
Stddev	.0009	.0001	.0003	.0022	.0003	.0006	.0014	.0001
%RSD	102.1	.1298	47.24	49.97	47.16	13.70	.8948	12.55
#1	-.0002	.0484	.0009	-.0035	.0003	-.0041	.1538	-.0006
#2	.0014	.0485	.0004	-.0067	.0005	-.0035	.1565	-.0006
#3	.0015	.0485	.0005	-.0027	.0009	-.0046	.1554	-.0007

Zoom In Zoom Out

Sample Name: JE21185-16 Acquired: 10/20/2025 10:48:51 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: RUSH 10/20

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5843.5**	**100780.**	**16596.**	**3027.6**
Stddev	21.4	247.	215.	11.5
%RSD	.36688	.24488	1.2979	.37928
#1	5867.7	101020.	16761.	3040.4
#2	5836.3	100810.	16352.	3024.2
#3	5826.7	100530.	16674.	3018.2

Zoom In Zoom Out

Sample Name: MP58091-SD1 Acquired: 10/20/2025 10:53:52 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: RUSH 10/20

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0009**	**.2081**	**.0166**	**.2479**	**.3845**	**.0006**	**-.0044**	**7.103**	**.0010**
Stddev	.0018	.0166	.0098	.0021	.0069	.0003	.0067	.106	.0011
%RSD	193.0	7.980	59.44	.8342	1.791	48.09	152.0	1.485	107.2
#1	.0011	.1908	.0054	.2469	.3913	.0003	.0029	7.203	.0020
#2	.0026	.2239	.0241	.2502	.3845	.0009	-.0059	7.113	-.0001
#3	-.0009	.2098	.0201	.2464	.3776	.0007	-.0102	6.992	.0010

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0132**	**.0085**	**.0023**	**.0087**	**.3377**	**1.236**	**.0031**	**1.730**	**1.003**
Stddev	.0068	.0019	.0002	.0006	.0110	.047	.0034	.031	.007
%RSD	51.67	22.16	9.671	6.525	3.253	3.774	110.0	1.792	.7113
#1	.0113	.0070	.0022	.0080	.3457	1.254	.0016	1.753	1.010
#2	.0207	.0106	.0026	.0090	.3423	1.183	.0007	1.695	1.002
#3	.0075	.0079	.0022	.0091	.3252	1.271	.0070	1.743	.9963

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0003**	F **1279.**	**.0069**	**-.0032**	**.0093**	**1.065**	**-.0023**	**.0026**	**37.84**
Stddev	.0015	58.	.0014	.0043	.0050	.010	.0074	.0038	.07
%RSD	520.8	4.513	20.80	134.8	54.15	.9216	322.8	147.1	.1933
#1	-.0020	1344.	.0054	-.0067	.0110	1.067	.0035	-.0018	37.92
#2	.0008	1261.	.0071	.0016	.0132	1.055	.0002	.0049	37.80
#3	.0004	1233.	.0082	-.0045	.0036	1.074	-.0107	.0047	37.79

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0014**	**.0487**	**.0013**	**-.0030**	**.0010**	**-.0003**	**.1506**	**.0001**
Stddev	.0043	.0004	.0018	.0062	.0009	.0029	.0006	.0003
%RSD	304.1	.7370	139.0	209.2	88.46	939.1	.3697	627.5
#1	.0055	.0488	.0030	-.0038	.0004	-.0026	.1503	.0004
#2	-.0031	.0490	-.0005	.0036	.0020	-.0013	.1512	.0000
#3	.0019	.0483	.0014	-.0088	.0006	.0030	.1503	-.0002

Zoom In Zoom Out

Sample Name: MP58091-SD1 Acquired: 10/20/2025 10:53:52 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: RUSH 10/20

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6128.4**	**102220.**	**16615.**	**3109.5**
Stddev	22.0	544.	92.	8.9
%RSD	.35863	.53201	.55071	.28576
#1	6153.6	101700.	16547.	3119.7
#2	6112.9	102170.	16580.	3105.4
#3	6118.8	102780.	16719.	3103.4

Zoom In Zoom Out

Sample Name: JE20567-1R Acquired: 10/20/2025 10:58:53 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: RUSH 10/20

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.6304**	**.0110**	**.4194**	**.5097**	**.0000**	**-.0013**	**107.8**	**.0085**
Stddev	.0002	.0070	.0004	.0028	.0017	.0000	.0004	.3	.0001
%RSD	209.6	1.109	3.295	.6725	.3379	137.9	29.45	.2774	1.685
#1	-.0003	.6265	.0110	.4161	.5115	.0000	-.0010	108.1	.0084
#2	.0002	.6263	.0114	.4208	.5095	.0000	-.0018	107.5	.0084
#3	-.0002	.6385	.0107	.4212	.5081	-.0000	-.0012	107.8	.0087

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0084**	**.0128**	**.0018**	**.0808**	**.1489**	**4.052**	**.0139**	**5.310**	**.7798**
Stddev	.0019	.0002	.0000	.0002	.0014	.023	.0009	.043	.0021
%RSD	22.62	1.360	.8368	.2151	.9365	.5668	6.393	.8104	.2735
#1	.0088	.0126	.0018	.0809	.1482	4.035	.0148	5.314	.7801
#2	.0100	.0129	.0018	.0806	.1480	4.078	.0131	5.265	.7775
#3	.0063	.0128	.0018	.0808	.1505	4.043	.0138	5.351	.7817

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	F **1121.**	**.0270**	**.1265**	**1.100**	**9.157**	**.0011**	**-.0018**	F **42.45**
Stddev	.0003	6.	.0004	.0024	.005	.034	.0010	.0020	.25
%RSD	131.4	.5056	1.399	1.910	.4479	.3746	92.38	110.9	.5915
#1	-.0000	1119.	.0271	.1238	1.096	9.119	.0005	.0003	42.17
#2	.0002	1117.	.0265	.1278	1.100	9.168	.0005	-.0020	42.55
#3	.0006	1127.	.0273	.1281	1.105	9.186	.0022	-.0037	42.64

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.3628**	**.0007**	**-.0047**	**.0018**	**-.0061**	**2.758**	**-.0011**
Stddev	.0013	.0010	.0004	.0008	.0001	.0013	.006	.0002
%RSD	560.9	.2730	55.83	17.02	7.054	21.41	.2044	14.30
#1	-.0001	.3640	.0012	-.0054	.0018	-.0065	2.751	-.0012
#2	.0016	.3622	.0006	-.0039	.0017	-.0072	2.760	-.0012
#3	-.0008	.3623	.0004	-.0049	.0020	-.0047	2.762	-.0009

Zoom In Zoom Out

Sample Name: JE20567-1R Acquired: 10/20/2025 10:58:53 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: RUSH 10/20

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5753.8**	**100060.**	**16580.**	**2968.7**
Stddev	21.2	171.	17.	13.3
%RSD	.36836	.17127	.09988	.44697
#1	5771.2	99884.	16592.	2981.0
#2	5760.0	100230.	16587.	2970.5
#3	5730.2	100060.	16561.	2954.7

Zoom In Zoom Out

Sample Name: JE21185-15 Acquired: 10/20/2025 11:03:50 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: RUSH 10/20

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**.1006**	**.0079**	**.2267**	**.2210**	**.0002**	**-.0023**	**35.82**	**-.0002**
Stddev	.0001	.0065	.0012	.0041	.0005	.0000	.0003	.18	.0000
%RSD	959.2	6.493	15.86	1.816	.2350	20.98	14.80	.5026	22.52
#1	-.0001	.1044	.0064	.2307	.2205	.0002	-.0019	35.99	-.0002
#2	.0001	.0931	.0088	.2225	.2210	.0002	-.0024	35.84	-.0002
#3	-.0000	.1045	.0084	.2271	.2215	.0002	-.0025	35.63	-.0001

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0335**	**.0052**	**.0007**	**.0053**	**.1206**	**2.642**	**.0018**	**4.148**	**2.490**
Stddev	.0013	.0005	.0002	.0010	.0030	.017	.0008	.042	.074
%RSD	3.971	8.646	27.24	19.07	2.501	.6499	44.62	1.023	2.957
#1	.0326	.0056	.0009	.0049	.1237	2.662	.0018	4.175	2.471
#2	.0329	.0047	.0005	.0065	.1203	2.636	.0011	4.170	2.571
#3	.0350	.0053	.0008	.0045	.1177	2.629	.0027	4.099	2.427

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0005**	F **1289.**	**.0018**	**-.0025**	**.0068**	**1.059**	**-.0017**	**-.0046**	F **44.26**
Stddev	.0002	12.	.0004	.0002	.0007	.023	.0006	.0014	1.00
%RSD	38.24	.9397	22.34	8.584	10.85	2.146	35.36	30.23	2.250
#1	-.0006	1277.	.0023	-.0025	.0063	1.083	-.0013	-.0054	45.32
#2	-.0006	1301.	.0015	-.0027	.0076	1.038	-.0014	-.0055	43.35
#3	-.0003	1287.	.0017	-.0023	.0064	1.055	-.0024	-.0030	44.10

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0014**	**.1633**	**-.0005**	**-.0068**	**.0007**	**-.0057**	**.2034**	**-.0006**
Stddev	.0013	.0004	.0003	.0031	.0003	.0001	.0054	.0001
%RSD	91.93	.2756	64.58	46.22	49.49	1.575	2.634	15.60
#1	-.0001	.1633	-.0009	-.0032	.0010	-.0057	.2088	-.0005
#2	.0024	.1629	-.0005	-.0091	.0004	-.0058	.1981	-.0007
#3	.0018	.1638	-.0002	-.0080	.0006	-.0056	.2033	-.0006

Zoom In Zoom Out

Sample Name: JE21185-15 Acquired: 10/20/2025 11:03:50 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: RUSH 10/20

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5693.9**	**99573.**	**16565.**	**2958.9**
Stddev	105.0	2254.	196.	58.1
%RSD	1.8432	2.2636	1.1832	1.9629
#1	5589.8	100310.	16404.	2901.0
#2	5799.7	97043.	16507.	3017.2
#3	5692.2	101370.	16783.	2958.5

Zoom In Zoom Out

Sample Name: CCV Acquired: 10/20/2025 11:08:50 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2481**	**39.92**	**1.949**	**2.014**	**1.940**	**2.072**	**2.014**	**41.23**	**2.061**
Stddev	.0005	.12	.013	.011	.011	.006	.006	.09	.005
%RSD	.2119	.3079	.6447	.5202	.5482	.2986	.2962	.2291	.2386
#1	.2486	40.01	1.948	2.012	1.952	2.079	2.016	41.26	2.058
#2	.2479	39.96	1.937	2.004	1.939	2.070	2.007	41.30	2.058
#3	.2476	39.78	1.962	2.025	1.930	2.068	2.018	41.12	2.066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.998**	**2.084**	**2.032**	**1.936**	**40.63**	**39.78**	**1.990**	**39.69**	**2.071**
Stddev	.001	.004	.005	.002	.08	.13	.012	.11	.008
%RSD	.0674	.2098	.2432	.0960	.1860	.3338	.6104	.2736	.3912
#1	1.998	2.081	2.033	1.937	40.68	39.88	2.003	39.63	2.066
#2	2.000	2.082	2.037	1.934	40.68	39.83	1.989	39.82	2.081
#3	1.997	2.089	2.027	1.937	40.55	39.63	1.979	39.62	2.067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.047**	**40.21**	**2.080**	**2.050**	**2.063**	**2.045**	**2.022**	**2.036**	**5.148**
Stddev	.007	.15	.004	.008	.005	.007	.012	.007	.013
%RSD	.3279	.3647	.1974	.4077	.2537	.3492	.6137	.3694	.2461
#1	2.042	40.36	2.076	2.043	2.060	2.042	2.014	2.035	5.148
#2	2.043	40.20	2.078	2.048	2.061	2.040	2.016	2.029	5.135
#3	2.054	40.07	2.084	2.060	2.069	2.053	2.036	2.044	5.160
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: CCV Acquired: 10/20/2025 11:08:50 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.054**	**2.062**	**2.017**	**2.039**	**2.013**	**2.027**	**2.076**	**2.026**
Stddev	.005	.006	.002	.010	.004	.011	.005	.005
%RSD	.2339	.3129	.0790	.5107	.1771	.5415	.2625	.2507
#1	2.052	2.069	2.018	2.034	2.011	2.020	2.072	2.021
#2	2.051	2.061	2.016	2.032	2.017	2.022	2.075	2.031
#3	2.060	2.056	2.015	2.051	2.011	2.040	2.082	2.026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6136.1**	**100950.**	**16540.**	**3077.1**
Stddev	10.2	390.	139.	5.4
%RSD	.16593	.38678	.84036	.17709
#1	6147.8	100940.	16637.	3083.2
#2	6129.1	100570.	16380.	3075.0
#3	6131.3	101350.	16602.	3072.9

Zoom In Zoom Out

Sample Name: CCB Acquired: 10/20/2025 11:13:22 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**-.0037**	**-.0003**	**.0049**	**-.0003**	**.0001**	**-.0001**	**.0037**	**-.0000**
Stddev	.0002	.0075	.0017	.0006	.0001	.0000	.0008	.0006	.0000
%RSD	78.33	205.4	617.0	13.04	31.32	18.46	706.9	15.69	294.7
#1	-.0003	.0045	.0006	.0043	-.0003	.0001	.0007	.0039	-.0000
#2	-.0000	-.0052	.0009	.0056	-.0003	.0001	-.0009	.0041	-.0001
#3	-.0004	-.0103	-.0023	.0048	-.0002	.0001	-.0001	.0030	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0007**	**.0001**	**.0002**	**.0007**	**.0014**	**.0220**	**-.0029**	**-.0139**	**.0001**
Stddev	.0028	.0002	.0001	.0002	.0017	.0310	.0006	.0037	.0001
%RSD	409.7	354.2	34.97	25.04	126.8	141.1	22.13	26.66	76.93
#1	-.0020	.0003	.0002	.0005	.0033	.0575	-.0032	-.0157	.0000
#2	-.0025	-.0001	.0001	.0008	.0002	.0078	-.0033	-.0163	.0001
#3	.0025	-.0000	.0002	.0007	.0006	.0006	-.0021	-.0096	.0001
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.1456**	**-.0002**	**-.0010**	**-.0007**	**-.0012**	**.0006**	**.0006**	**.0221**
Stddev	.0004	.0072	.0004	.0007	.0012	.0033	.0012	.0017	.0015
%RSD	3473.	4.956	225.6	71.33	166.4	285.6	177.3	300.3	6.751
#1	.0003	.1523	.0001	-.0003	.0004	.0009	.0007	.0024	.0226
#2	-.0005	.1379	-.0006	-.0009	-.0006	.0006	.0017	.0003	.0232
#3	.0002	.1466	-.0000	-.0017	-.0021	-.0050	-.0005	-.0010	.0204
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: CCB Acquired: 10/20/2025 11:13:22 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0005**	**.0001**	**.0001**	**-.0007**	**.0004**	**.0013**	**.0001**	**.0001**
Stddev	.0017	.0000	.0000	.0032	.0000	.0008	.0002	.0001
%RSD	323.8	25.31	44.52	471.7	4.874	60.24	137.7	144.7
#1	.0010	.0001	.0001	-.0012	.0004	.0012	-.0001	.0000
#2	-.0024	.0001	.0001	-.0035	.0004	.0006	.0002	-.0000
#3	-.0002	.0001	.0000	.0027	.0004	.0021	.0002	.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6124.3**	**101030.**	**16964.**	**3121.0**
Stddev	10.2	567.	119.	4.4
%RSD	.16717	.56120	.69886	.14007
#1	6116.5	100640.	17015.	3120.4
#2	6135.9	100770.	16828.	3125.7
#3	6120.6	101680.	17048.	3117.0

Zoom In Zoom Out

Sample Name: MP58034-MB1 Acquired: 10/20/2025 11:18:18 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**-.0018**	**-.0023**	**.1341**	**.0001**	**-.0000**	**-.0017**	**.0170**	**-.0001**
Stddev	.0002	.0024	.0013	.0005	.0000	.0000	.0003	.0004	.0002
%RSD	608.4	133.1	57.25	.3607	19.74	205.8	20.20	2.205	206.7
#1	-.0002	.0008	-.0012	.1335	.0001	-.0001	-.0018	.0170	-.0000
#2	-.0000	-.0022	-.0020	.1344	.0001	-.0000	-.0020	.0166	-.0004
#3	.0003	-.0040	-.0038	.1342	.0001	.0000	-.0013	.0173	.0001

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0013**	**-.0002**	**.0003**	**.0049**	**.0159**	**-.0146**	**-.0005**	**-.0092**	**.0005**
Stddev	.0007	.0001	.0002	.0002	.0028	.0319	.0003	.0153	.0000
%RSD	51.35	52.76	74.98	4.867	17.81	218.3	55.22	166.6	6.095
#1	.0021	-.0003	.0001	.0046	.0182	-.0105	-.0003	.0065	.0005
#2	.0013	-.0003	.0003	.0051	.0128	-.0484	-.0008	-.0100	.0005
#3	.0007	-.0001	.0006	.0048	.0167	.0150	-.0004	-.0241	.0006

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**.1096**	**.0000**	**.0012**	**-.0018**	**.0086**	**.0003**	**.0012**	**1.987**
Stddev	.0001	.0049	.0004	.0008	.0004	.0032	.0005	.0012	.007
%RSD	238.2	4.488	30480.	61.54	21.95	36.60	162.8	102.2	.3364
#1	.0000	.1049	-.0005	.0018	-.0021	.0051	.0000	.0002	1.984
#2	-.0001	.1147	.0003	.0004	-.0020	.0098	.0009	.0008	1.995
#3	-.0000	.1093	.0002	.0015	-.0014	.0111	-.0000	.0025	1.983

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0003**	**-.0000**	**-.0001**	**-.0011**	**.0003**	**-.0000**	**.0016**	**-.0001**
Stddev	.0007	.0000	.0004	.0009	.0001	.0014	.0002	.0001
%RSD	268.4	228.1	666.8	81.25	30.58	4043.	9.957	130.7
#1	.0002	-.0000	.0003	-.0004	.0004	.0015	.0017	.0000
#2	.0001	-.0001	.0000	-.0009	.0002	-.0007	.0014	-.0002
#3	-.0010	.0000	-.0005	-.0022	.0002	-.0010	.0016	-.0002

Zoom In Zoom Out

Sample Name: MP58034-MB1 Acquired: 10/20/2025 11:18:18 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6123.9**	**101330.**	**16923.**	**3114.6**
Stddev	27.4	141.	174.	14.7
%RSD	.44758	.13900	1.0261	.47200
#1	6144.1	101200.	17063.	3126.0
#2	6092.7	101310.	16728.	3098.0
#3	6135.0	101480.	16977.	3119.8

Zoom In Zoom Out

Sample Name: MP58034-B1 Acquired: 10/20/2025 11:23:12 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2639**	**25.10**	**1.924**	**2.040**	**1.917**	**2.068**	**-.0087**	**26.08**
Stddev	.0015	.04	.011	.005	.002	.007	.0012	.08
%RSD	.5599	.1734	.5725	.2537	.1176	.3449	13.99	.3206
#1	.2627	25.14	1.916	2.039	1.919	2.076	-.0078	26.13
#2	.2634	25.05	1.920	2.035	1.915	2.062	-.0101	25.98
#3	.2655	25.11	1.937	2.045	1.916	2.065	-.0082	26.12

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.032**	**.0096**	**2.068**	**2.029**	**1.928**	**25.55**	**24.88**	**-.0027**
Stddev	.006	.0011	.006	.012	.009	.03	.01	.0015
%RSD	.3223	11.73	.3133	.5916	.4619	.1075	.0498	55.33
#1	2.028	.0104	2.064	2.026	1.920	25.57	24.90	-.0010
#2	2.028	.0083	2.065	2.019	1.925	25.52	24.87	-.0031
#3	2.039	.0102	2.076	2.042	1.938	25.55	24.88	-.0039

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.83**	**2.070**	**2.065**	**25.22**	**2.065**	**-.0025**	**2.037**	**-.0080**
Stddev	.08	.013	.005	.04	.006	.0012	.012	.0015
%RSD	.3213	.6147	.2376	.1524	.2917	47.98	.5970	18.89
#1	24.88	2.065	2.062	25.27	2.062	-.0022	2.032	-.0074
#2	24.74	2.061	2.062	25.21	2.061	-.0038	2.029	-.0097
#3	24.88	2.085	2.071	25.19	2.072	-.0015	2.051	-.0068

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.030**	**1.980**	**1.065**	**2.069**	**2.046**	**2.035**	W **1.998**	**2.004**
Stddev	.007	.009	.000	.006	.008	.011	.010	.011
%RSD	.3602	.4556	.0303	.2840	.3873	.5179	.5026	.5310
#1	2.033	1.982	1.065	2.064	2.055	2.031	1.988	1.999
#2	2.022	1.971	1.066	2.068	2.043	2.027	1.998	1.996
#3	2.035	1.989	1.065	2.075	2.040	2.047	2.008	2.016

Zoom In Zoom Out

Sample Name: MP58034-B1 Acquired: 10/20/2025 11:23:12 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**1.964**	**2.051**	**2.057**
Stddev	.011	.008	.012
%RSD	.5699	.3817	.5830
#1	1.957	2.044	2.050
#2	1.959	2.049	2.050
#3	1.977	2.059	2.071

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6169.0**	**100360.**	**16931.**	**3088.0**
Stddev	24.3	902.	95.	12.5
%RSD	.39378	.89912	.55974	.40546
#1	6185.6	100750.	16977.	3096.8
#2	6180.4	101010.	16994.	3093.6
#3	6141.1	99333.	16822.	3073.7

Zoom In Zoom Out

Sample Name: MP58034-S1 Acquired: 10/20/2025 11:27:47 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: RUSH 10/21

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2738**	**25.89**	**1.961**	**2.180**	**2.206**	**2.040**	**-.0090**	F **254.3**
Stddev	.0002	.06	.005	.004	.009	.008	.0006	4.5
%RSD	.0860	.2361	.2371	.1617	.4072	.4072	6.340	1.771
#1	.2740	25.91	1.966	2.179	2.201	2.044	-.0091	259.2
#2	.2736	25.82	1.957	2.177	2.200	2.030	-.0083	253.1
#3	.2740	25.93	1.961	2.184	2.216	2.045	-.0095	250.5

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.088**	**.0111**	**2.043**	**1.936**	**2.017**	**25.53**	**54.08**	**.0135**
Stddev	.005	.0016	.008	.005	.003	.01	.07	.0012
%RSD	.2334	13.91	.3776	.2537	.1578	.0405	.1219	9.133
#1	2.088	.0104	2.037	1.939	2.015	25.52	54.16	.0121
#2	2.082	.0129	2.040	1.930	2.021	25.52	54.05	.0140
#3	2.092	.0101	2.051	1.937	2.015	25.54	54.04	.0144

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**80.92**	**2.105**	**2.042**	F **437.4**	**2.027**	**.0063**	**2.025**	**25.42**
Stddev	.21	.006	.005	1.8	.008	.0019	.010	.04
%RSD	.2655	.2778	.2398	.4164	.3964	30.39	.4863	.1598
#1	80.99	2.106	2.042	437.1	2.022	.0049	2.020	25.43
#2	80.68	2.100	2.038	435.7	2.024	.0055	2.019	25.38
#3	81.09	2.111	2.047	439.3	2.037	.0084	2.037	25.46

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.079**	**2.040**	**10.51**	**2.031**	**3.073**	**2.006**	W **2.026**	**1.952**
Stddev	.002	.005	.02	.009	.078	.002	.011	.003
%RSD	.0835	.2627	.1553	.4615	2.530	.1199	.5526	.1635
#1	2.079	2.046	10.52	2.032	3.093	2.008	2.020	1.955
#2	2.078	2.036	10.50	2.021	3.138	2.003	2.019	1.949
#3	2.081	2.038	10.53	2.040	2.986	2.007	2.039	1.952

Zoom In Zoom Out

Sample Name: MP58034-S1 Acquired: 10/20/2025 11:27:47 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: RUSH 10/21

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**1.980**	**1.955**	**2.024**
Stddev	.013	.009	.003
%RSD	.6295	.4604	.1300
#1	1.975	1.949	2.026
#2	1.971	1.951	2.021
#3	1.994	1.965	2.025

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5852.8**	**99309.**	**16383.**	**2957.3**
Stddev	15.5	148.	50.	4.8
%RSD	.26466	.14947	.30388	.16158
#1	5862.3	99469.	16326.	2958.0
#2	5861.2	99176.	16412.	2961.7
#3	5834.9	99281.	16412.	2952.2

Zoom In Zoom Out

Sample Name: MP58034-S2 Acquired: 10/20/2025 11:32:47 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2695**	**25.34**	**1.927**	**2.134**	**2.176**	**2.014**	**-.0090**	F **237.3**
Stddev	.0012	.05	.047	.048	.003	.004	.0008	4.0
%RSD	.4553	.1925	2.454	2.250	.1466	.2085	8.390	1.697
#1	.2706	25.33	1.933	2.138	2.178	2.012	-.0086	239.8
#2	.2697	25.40	1.877	2.084	2.172	2.019	-.0084	239.5
#3	.2682	25.30	1.971	2.180	2.178	2.012	-.0098	232.7

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.050**	**.0080**	**2.008**	**1.913**	**1.988**	**25.02**	**52.36**	**.0098**
Stddev	.048	.0013	.043	.010	.009	.12	.10	.0012
%RSD	2.328	16.31	2.147	.5196	.4415	.4770	.1943	12.40
#1	2.057	.0091	2.017	1.924	1.986	24.95	52.26	.0110
#2	1.999	.0066	1.961	1.905	1.998	25.16	52.46	.0097
#3	2.094	.0084	2.046	1.910	1.981	24.96	52.35	.0086

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**78.09**	**2.079**	**2.004**	F **410.0**	**1.993**	**.0042**	**1.995**	**24.34**
Stddev	.54	.007	.046	10.0	.044	.0017	.043	.57
%RSD	.6927	.3166	2.284	2.446	2.207	40.63	2.151	2.331
#1	77.59	2.085	2.013	398.4	2.001	.0034	2.002	24.39
#2	78.67	2.072	1.955	415.3	1.946	.0030	1.950	23.74
#3	78.03	2.079	2.045	416.3	2.033	.0061	2.035	24.87

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.040**	**2.003**	**10.05**	**1.993**	**2.879**	**1.977**	W **1.988**	**1.927**
Stddev	.048	.045	.24	.049	.094	.004	.047	.006
%RSD	2.372	2.244	2.378	2.469	3.268	.2245	2.337	.2902
#1	2.043	2.010	10.07	1.995	2.854	1.982	1.996	1.933
#2	1.990	1.954	9.799	1.943	2.983	1.977	1.938	1.922
#3	2.086	2.043	10.28	2.041	2.800	1.973	2.030	1.925

Zoom In Zoom Out

Sample Name: MP58034-S2 Acquired: 10/20/2025 11:32:47 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**1.953**	**1.925**	**2.000**
Stddev	.049	.047	.003
%RSD	2.516	2.433	.1301
#1	1.961	1.931	2.003
#2	1.901	1.875	1.999
#3	1.998	1.968	1.998

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5891.6**	**99381.**	**16542.**	**2974.7**
Stddev	101.4	337.	239.	58.0
%RSD	1.7209	.33959	1.4460	1.9510
#1	5870.1	98998.	16736.	2963.2
#2	6001.9	99635.	16275.	3037.6
#3	5802.6	99509.	16615.	2923.2

Zoom In Zoom Out

Sample Name: JE21222-1 Acquired: 10/20/2025 11:37:47 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**.3080**	**.0004**	**.1666**	**.3048**	**-.0002**	**-.0027**	F **228.9**	**-.0009**
Stddev	.0004	.0093	.0015	.0016	.0007	.0000	.0008	4.5	.0002
%RSD	62.43	3.026	410.1	.9336	.2400	20.32	30.98	1.945	18.22
#1	.0007	.3018	-.0008	.1657	.3056	-.0002	-.0034	233.8	-.0010
#2	.0002	.3036	-.0002	.1684	.3041	-.0001	-.0018	225.1	-.0011
#3	.0009	.3188	.0021	.1658	.3047	-.0002	-.0028	227.8	-.0007

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0058**	**-.0002**	**.0039**	**.0037**	**.3166**	**28.41**	**.0103**	**57.34**	**.1219**
Stddev	.0024	.0001	.0002	.0002	.0010	.04	.0006	.16	.0001
%RSD	42.04	46.69	4.747	4.967	.3030	.1341	5.809	.2788	.1224
#1	.0075	-.0003	.0037	.0039	.3175	28.38	.0096	57.35	.1218
#2	.0068	-.0002	.0038	.0036	.3167	28.39	.0105	57.17	.1219
#3	.0030	-.0001	.0041	.0036	.3156	28.45	.0108	57.49	.1221

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0050**	F **418.7**	**.0047**	**.0107**	**.0004**	**26.07**	**-.0019**	**.0002**	**10.77**
Stddev	.0002	2.1	.0002	.0025	.0004	.33	.0018	.0016	.14
%RSD	3.983	.4980	3.774	22.97	97.98	1.257	95.35	986.4	1.325
#1	.0051	419.4	.0049	.0081	.0002	25.83	-.0015	-.0001	10.67
#2	.0052	420.3	.0045	.0129	.0002	26.45	-.0038	-.0013	10.94
#3	.0048	416.3	.0048	.0112	.0009	25.94	-.0003	.0018	10.72

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0045**	**1.005**	**.0160**	**.0005**	**.0025**	**.0139**	**.0036**	**.0006**
Stddev	.0004	.004	.0003	.0006	.0003	.0014	.0002	.0001
%RSD	9.620	.3893	1.815	130.9	12.19	9.817	5.045	14.26
#1	-.0041	1.009	.0157	.0009	.0029	.0155	.0034	.0006
#2	-.0050	1.004	.0160	-.0002	.0023	.0134	.0037	.0008
#3	-.0045	1.002	.0163	.0007	.0024	.0129	.0037	.0006

Zoom In Zoom Out

Sample Name: JE21222-1 Acquired: 10/20/2025 11:37:47 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5815.8**	**100390.**	**16306.**	**2943.6**
Stddev	57.5	33.	25.	33.3
%RSD	.98909	.03298	.15222	1.1313
#1	5861.8	100360.	16301.	2969.9
#2	5751.3	100380.	16333.	2906.2
#3	5834.3	100420.	16284.	2954.8

Zoom In Zoom Out

Sample Name: MP58034-SD1 Acquired: 10/20/2025 11:42:55 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0012**	**.3356**	**.0069**	**.1861**	**.3060**	**-.0006**	**-.0072**	**236.3**	**-.0005**
Stddev	.0021	.0331	.0159	.0025	.0011	.0004	.0108	.8	.0001
%RSD	171.3	9.854	230.1	1.342	.3491	65.16	149.9	.3533	21.42
#1	-.0011	.3400	-.0104	.1885	.3057	-.0006	-.0031	236.4	-.0004
#2	.0028	.3005	.0207	.1835	.3052	-.0009	-.0194	237.1	-.0005
#3	.0019	.3662	.0104	.1862	.3072	-.0002	.0009	235.5	-.0007

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0037**	**-.0007**	**.0057**	**.0065**	**.3330**	**27.75**	**.0100**	**58.38**	**.1282**
Stddev	.0017	.0004	.0018	.0013	.0100	.09	.0084	.17	.0004
%RSD	46.76	57.60	31.02	19.73	2.991	.3420	83.98	.2950	.2764
#1	.0032	-.0008	.0052	.0069	.3330	27.65	.0165	58.48	.1283
#2	.0057	-.0003	.0042	.0076	.3230	27.84	.0130	58.47	.1278
#3	.0023	-.0011	.0077	.0051	.3429	27.75	.0005	58.18	.1285

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0058**	**414.9**	**.0053**	**.0090**	**-.0005**	**25.48**	**-.0110**	**.0006**	**10.56**
Stddev	.0018	.1	.0017	.0054	.0065	.04	.0034	.0056	.01
%RSD	31.79	.0306	33.06	59.80	1197.	.1453	30.74	946.5	.0861
#1	.0048	414.9	.0038	.0150	.0006	25.47	-.0149	.0056	10.55
#2	.0079	415.1	.0049	.0049	.0053	25.53	-.0090	.0017	10.56
#3	.0046	414.8	.0072	.0070	-.0075	25.46	-.0091	-.0055	10.57

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0139**	**1.012**	**.0144**	**-.0018**	**.0025**	**.0259**	**-.0012**	**.0012**
Stddev	.0032	.002	.0004	.0146	.0014	.0018	.0010	.0002
%RSD	23.14	.1804	2.739	794.1	58.07	7.047	86.60	20.32
#1	-.0104	1.012	.0139	.0139	.0009	.0272	-.0004	.0010
#2	-.0166	1.011	.0145	-.0043	.0029	.0238	-.0008	.0015
#3	-.0147	1.014	.0147	-.0151	.0036	.0267	-.0023	.0013

Zoom In Zoom Out

Sample Name: MP58034-SD1 Acquired: 10/20/2025 11:42:55 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6092.1**	**100360.**	**16555.**	**3072.4**
Stddev	11.8	275.	93.	6.0
%RSD	.19393	.27381	.56411	.19625
#1	6096.1	100240.	16601.	3073.0
#2	6101.4	100670.	16448.	3078.1
#3	6078.8	100160.	16616.	3066.1

Zoom In Zoom Out

Sample Name: JE20577-6 Acquired: 10/20/2025 11:47:45 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: LATE

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0019**	**17.09**	**-.0000**	**.0849**	**2.169**	**.0006**	**.0006**	**48.37**
Stddev	.0001	.04	.0005	.0004	.005	.0000	.0006	.22
%RSD	3.443	.2362	18400.	.4283	.2170	1.404	95.21	.4499
#1	.0018	17.05	.0001	.0849	2.173	.0006	.0001	48.22
#2	.0019	17.12	.0005	.0845	2.164	.0006	.0012	48.27
#3	.0019	17.11	-.0006	.0853	2.170	.0006	.0006	48.62

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0027**	**.0242**	**.0317**	**.0195**	**2.533**	**10.24**	**2.721**	**.0028**
Stddev	.0001	.0019	.0001	.0001	.013	.03	.014	.0002
%RSD	4.126	7.723	.2374	.4693	.5060	.2864	.5074	8.611
#1	.0027	.0234	.0317	.0195	2.548	10.21	2.736	.0031
#2	.0028	.0264	.0318	.0196	2.524	10.24	2.718	.0027
#3	.0026	.0229	.0316	.0194	2.527	10.27	2.709	.0027

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**16.72**	F **32.45**	**.0452**	**39.94**	**.1337**	**.6510**	**.0767**	**4.439**
Stddev	.15	.35	.0005	.06	.0005	.0014	.0006	.010
%RSD	.8802	1.066	1.084	.1574	.3877	.2177	.7516	.2252
#1	16.65	32.84	.0449	39.87	.1333	.6522	.0770	4.428
#2	16.63	32.26	.0451	39.95	.1336	.6514	.0760	4.443
#3	16.89	32.23	.0458	39.99	.1343	.6494	.0770	4.447

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0051**	**.0113**	**19.85**	**.1807**	**.4083**	**.0503**	W **.0106**	**.0296**
Stddev	.0012	.0006	.05	.0009	.0007	.0002	.0015	.0001
%RSD	23.87	5.268	.2485	.4918	.1685	.4306	14.22	.3593
#1	.0057	.0117	19.79	.1807	.4084	.0504	.0122	.0295
#2	.0037	.0115	19.87	.1815	.4076	.0505	.0092	.0295
#3	.0059	.0106	19.88	.1797	.4089	.0501	.0105	.0297

Zoom In Zoom Out

Sample Name: JE20577-6 Acquired: 10/20/2025 11:47:45 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: LATE

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.0056**	**6.010**	**.0012**
Stddev	.0009	.015	.0002
%RSD	15.61	.2422	12.68
#1	-.0062	6.025	.0013
#2	-.0046	5.996	.0013
#3	-.0061	6.008	.0010

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6090.4**	**100120.**	**16734.**	**3085.3**
Stddev	5.2	486.	204.	.9
%RSD	.08559	.48543	1.2216	.03044
#1	6084.5	99557.	16945.	3085.4
#2	6094.6	100440.	16721.	3086.3
#3	6092.0	100360.	16537.	3084.4

Zoom In Zoom Out

Sample Name: JE20577-6F Acquired: 10/20/2025 11:52:42 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0264**	**.0020**	**.1029**	**.1899**	**-.0001**	**-.0006**	**52.50**	**-.0004**
Stddev	.0002	.0157	.0017	.0009	.0001	.0001	.0008	.14	.0001
%RSD	223.6	59.39	83.26	.8817	.0316	43.45	130.0	.2720	34.16
#1	.0001	.0171	.0027	.1037	.1899	-.0001	-.0003	52.40	-.0004
#2	-.0001	.0176	.0032	.1019	.1900	-.0001	-.0015	52.43	-.0005
#3	-.0003	.0446	.0001	.1029	.1899	-.0002	.0000	52.66	-.0003

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0055**	**-.0007**	**.0008**	**.0115**	**.1045**	**2.808**	**.0008**	**19.37**	**.0193**
Stddev	.0018	.0004	.0002	.0005	.0009	.009	.0010	.02	.0019
%RSD	32.82	52.93	19.55	4.520	.8300	.3304	112.6	.1195	10.07
#1	.0075	-.0012	.0007	.0109	.1037	2.797	.0019	19.36	.0174
#2	.0042	-.0005	.0008	.0120	.1054	2.813	.0007	19.35	.0213
#3	.0046	-.0005	.0010	.0115	.1042	2.813	-.0000	19.39	.0191

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0020**	**51.18**	**.0000**	**.0456**	**.0005**	**6.077**	**-.0022**	**-.0009**	**12.85**
Stddev	.0006	.03	.0006	.0016	.0016	.061	.0007	.0008	.12
%RSD	28.09	.0598	1986.	3.485	347.9	.9982	33.68	87.52	.9272
#1	.0022	51.14	.0003	.0446	.0003	6.107	-.0018	-.0000	12.90
#2	.0014	51.19	-.0006	.0448	-.0011	6.008	-.0030	-.0011	12.71
#3	.0024	51.20	.0004	.0475	.0021	6.117	-.0017	-.0015	12.94

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0021**	**.3832**	**-.0010**	**-.0011**	**.0006**	**.0000**	**.0113**	**-.0005**
Stddev	.0010	.0008	.0001	.0008	.0001	.0007	.0002	.0000
%RSD	48.21	.2089	11.38	77.76	24.22	2163.	1.472	6.244
#1	-.0031	.3824	-.0009	-.0002	.0006	.0001	.0114	-.0005
#2	-.0021	.3833	-.0011	-.0018	.0004	.0006	.0112	-.0005
#3	-.0011	.3839	-.0010	-.0012	.0007	-.0007	.0115	-.0005

Zoom In Zoom Out

Sample Name: JE20577-6F Acquired: 10/20/2025 11:52:42 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6016.0**	**99409.**	**16338.**	**3032.5**
Stddev	52.7	249.	106.	27.9
%RSD	.87632	.25097	.64572	.91959
#1	5988.9	99150.	16280.	3015.8
#2	6076.7	99429.	16460.	3064.7
#3	5982.2	99648.	16274.	3017.0

Zoom In Zoom Out

Sample Name: JE20944-2F Acquired: 10/20/2025 11:57:32 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: LATE-ZN

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**.0122**	**.0046**	**.8457**	**.0263**	**-.0002**	**-.0005**	**87.25**	**-.0004**
Stddev	.0002	.0060	.0013	.0008	.0002	.0000	.0008	.09	.0002
%RSD	733.2	49.54	27.55	.0924	.7092	4.947	170.2	.1025	56.47
#1	.0002	.0192	.0045	.8455	.0264	-.0002	-.0000	87.35	-.0005
#2	-.0002	.0083	.0034	.8466	.0265	-.0002	.0000	87.17	-.0006
#3	-.0001	.0091	.0059	.8451	.0261	-.0003	-.0014	87.24	-.0002

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0063**	**-.0008**	**.0009**	**.0011**	**.0117**	**.9451**	**.0350**	**28.64**	**-.0004**
Stddev	.0004	.0003	.0000	.0002	.0027	.0350	.0004	.19	.0000
%RSD	6.938	38.83	2.485	22.12	23.01	3.703	1.149	.6720	5.660
#1	.0059	-.0004	.0009	.0009	.0102	.9786	.0350	28.86	-.0004
#2	.0068	-.0009	.0009	.0010	.0148	.9088	.0346	28.55	-.0004
#3	.0063	-.0009	.0009	.0014	.0100	.9480	.0354	28.50	-.0004

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0022**	**22.29**	**.0011**	**.0140**	**-.0002**	**53.16**	**-.0017**	**.0002**	**11.54**
Stddev	.0002	.02	.0002	.0006	.0008	.05	.0004	.0025	.00
%RSD	9.246	.0918	15.75	4.289	364.0	.0851	23.02	1641.	.0118
#1	.0020	22.30	.0013	.0144	-.0010	53.11	-.0015	.0026	11.54
#2	.0021	22.27	.0010	.0133	.0005	53.17	-.0015	.0002	11.55
#3	.0024	22.30	.0010	.0143	-.0002	53.20	-.0022	-.0023	11.55

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0031**	**1.855**	**-.0014**	**-.0009**	**.0020**	**.0028**	**-.0017**	**-.0004**
Stddev	.0004	.003	.0001	.0011	.0004	.0011	.0001	.0001
%RSD	14.13	.1366	5.236	121.1	19.92	39.20	6.515	27.63
#1	-.0036	1.858	-.0015	.0001	.0020	.0028	-.0017	-.0003
#2	-.0027	1.854	-.0014	-.0007	.0016	.0017	-.0017	-.0005
#3	-.0030	1.853	-.0014	-.0021	.0024	.0038	-.0015	-.0005

Zoom In Zoom Out

Sample Name: JE20944-2F Acquired: 10/20/2025 11:57:32 Type: Unk
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: LATE-ZN

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6069.7**	**101640.**	**16693.**	**3059.2**
Stddev	12.4	307.	31.	5.7
%RSD	.20396	.30179	.18674	.18543
#1	6083.5	101840.	16669.	3065.7
#2	6066.1	101280.	16683.	3055.4
#3	6059.6	101790.	16728.	3056.6

Zoom In Zoom Out

Sample Name: CCV Acquired: 10/20/2025 12:02:23 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2485**	**39.84**	**1.936**	**2.026**	**1.935**	**2.067**	**2.026**	**41.01**	**2.075**
Stddev	.0004	.05	.002	.003	.000	.004	.003	.11	.002
%RSD	.1738	.1305	.1021	.1258	.0232	.2118	.1257	.2571	.1045
#1	.2490	39.90	1.938	2.023	1.935	2.068	2.023	41.10	2.077
#2	.2484	39.82	1.935	2.028	1.936	2.062	2.028	40.90	2.076
#3	.2482	39.80	1.936	2.028	1.935	2.071	2.028	41.05	2.073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.004**	**2.101**	**2.038**	**1.949**	**40.51**	**39.70**	**1.987**	**39.32**	**2.083**
Stddev	.007	.004	.004	.004	.03	.10	.002	.09	.005
%RSD	.3701	.2001	.1873	.2124	.0833	.2483	.1054	.2379	.2198
#1	2.013	2.106	2.038	1.954	40.52	39.80	1.985	39.42	2.085
#2	2.000	2.098	2.034	1.949	40.53	39.72	1.988	39.24	2.078
#3	2.000	2.098	2.042	1.945	40.47	39.60	1.989	39.29	2.086
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.059**	**40.04**	**2.098**	**2.063**	**2.078**	**2.065**	**2.035**	**2.048**	**5.136**
Stddev	.002	.05	.003	.003	.003	.007	.003	.003	.009
%RSD	.1171	.1202	.1509	.1626	.1229	.3386	.1356	.1374	.1688
#1	2.061	40.04	2.100	2.067	2.081	2.063	2.032	2.048	5.126
#2	2.059	40.09	2.098	2.060	2.076	2.073	2.037	2.046	5.142
#3	2.056	40.00	2.094	2.062	2.078	2.060	2.037	2.051	5.141
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: CCV Acquired: 10/20/2025 12:02:23 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.067**	**2.059**	**2.018**	**2.047**	**2.019**	**2.041**	**2.085**	**2.041**
Stddev	.004	.004	.003	.003	.002	.001	.010	.002
%RSD	.2155	.2055	.1225	.1512	.0731	.0361	.4644	.0828
#1	2.072	2.062	2.017	2.047	2.020	2.041	2.096	2.043
#2	2.066	2.054	2.016	2.050	2.017	2.042	2.082	2.039
#3	2.063	2.061	2.020	2.043	2.020	2.040	2.077	2.040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6109.1**	**101040.**	**16754.**	**3068.8**
Stddev	11.4	342.	50.	6.8
%RSD	.18715	.33880	.29630	.22060
#1	6099.9	100810.	16703.	3064.0
#2	6105.5	101430.	16758.	3065.9
#3	6121.9	100870.	16802.	3076.6

Zoom In Zoom Out

Sample Name: CCB Acquired: 10/20/2025 12:06:55 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0032**	**.0019**	**.0055**	**.0001**	**.0002**	**-.0014**	**.0072**	**.0003**
Stddev	.0003	.0082	.0026	.0004	.0001	.0000	.0002	.0009	.0002
%RSD	195.3	256.8	134.4	7.246	95.96	26.10	13.87	12.15	86.80
#1	.0003	.0122	.0003	.0054	-.0000	.0002	-.0012	.0065	.0005
#2	-.0002	-.0039	.0049	.0059	.0002	.0001	-.0016	.0070	.0001
#3	.0002	.0012	.0006	.0052	.0001	.0002	-.0013	.0082	.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0015**	**.0001**	**.0004**	**.0011**	**.0030**	**-.0173**	**-.0007**	**.0034**	**.0003**
Stddev	.0027	.0001	.0002	.0006	.0007	.0136	.0012	.0146	.0001
%RSD	178.8	96.30	36.99	51.19	23.50	78.22	185.4	433.7	20.05
#1	.0014	-.0000	.0003	.0015	.0022	-.0165	.0004	-.0105	.0002
#2	-.0020	.0002	.0003	.0013	.0036	-.0313	-.0020	.0186	.0003
#3	-.0040	.0001	.0006	.0005	.0031	-.0042	-.0004	.0021	.0003
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0467**	**.0005**	**-.0008**	**.0004**	**.0019**	**-.0011**	**.0003**	**.0056**
Stddev	.0002	.0066	.0004	.0013	.0007	.0018	.0015	.0010	.0011
%RSD	67.25	14.18	81.50	158.7	162.3	96.50	133.1	299.4	19.68
#1	.0001	.0433	.0007	.0003	.0011	-.0002	.0006	.0010	.0068
#2	.0006	.0424	.0000	-.0005	-.0003	.0031	-.0017	.0008	.0048
#3	.0003	.0543	.0006	-.0023	.0004	.0028	-.0023	-.0008	.0051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In
Zoom Out

Sample Name: CCB Acquired: 10/20/2025 12:06:55 Type: QC
Method: SGS 3 NO Valve(v160) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0010**	**.0001**	**-.0001**	**-.0010**	**.0003**	**.0023**	**.0002**	**.0004**
Stddev	.0006	.0000	.0003	.0033	.0002	.0013	.0003	.0001
%RSD	55.31	24.00	320.9	325.1	54.89	58.65	117.9	34.57
#1	-.0016	.0002	-.0001	.0019	.0004	.0038	.0004	.0003
#2	-.0010	.0001	.0002	-.0046	.0004	.0014	.0004	.0003
#3	-.0005	.0002	-.0004	-.0004	.0001	.0016	-.0001	.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6122.0**	**100460.**	**16655.**	**3117.2**
Stddev	24.1	430.	50.	13.1
%RSD	.39362	.42793	.29746	.41909
#1	6146.7	100910.	16608.	3131.1
#2	6120.8	100050.	16650.	3115.3
#3	6098.6	100420.	16707.	3105.1

NOTE: The remaining raw data for this batch is not relevant to this job. As such it has been omitted.

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
	Ag 328.068 {103}	☒	21	Mn	0.000102	0.000000	No
				Mo	0.000020	-0.000003	No
				Ti	-0.000221	0.000000	No
				Fe	0.000003	0.000000	No
				Zn	-0.000001	0.000000	No
				Ca	-0.000001	0.000000	No
				Sr	0.000100	0.000000	No
				Mg	-0.000002	0.000000	No
				Ba	0.000071	0.000000	No
				Cr	0.000010	0.000000	No
				V	-0.001739	0.000000	No
				Al	0.000001	0.000000	No
				W	0.000015	0.000000	No
				Ce	-0.000660	0.000000	No
				Co	0.000000	0.000000	No
				B	0.000040	0.000000	No
				Zr	0.005230	0.000000	No
				S	-0.000002	0.000000	No
				Pb	0.000020	0.000000	No
				Sn	0.000100	0.000000	No
				Ni	-0.000045	0.000000	No
	Al 396.152 { 85}	☒	8	Si	0.000652	0.000000	No
				Ca	0.000053	0.000000	No
				Mo	0.045290	0.000000	No
				Zr	0.013719	0.000000	No
				Ti	-0.000583	0.000000	No
				Ce	0.010010	0.000000	No
				Cr	0.004890	0.000000	No
				As	0.010000	0.000000	No
	As 189.042 {478}	☒	23	Al	-0.000000	0.000000	No
				Fe	-0.000017	0.000000	No
				Ca	0.000004	0.000000	No
				Mo	0.002745	0.000000	No
				Cr	0.000719	0.000000	No
				Ba	0.000086	0.000000	No
				Sn	0.000148	0.000000	No
				Cd	-0.000208	0.000000	No
				Si	-0.000010	0.000000	No
				Zn	-0.000082	0.000000	No
				Sr	-0.000045	0.000000	No
				W	0.001499	0.000000	No
				Cu	0.000246	0.000000	No
				Co	-0.001000	0.000000	No
				Zr	-0.000009	0.000000	No
				Mn	0.000029	0.000000	No
				S	0.000003	0.000000	No
				Ti	0.000061	0.000000	No
				Mg	0.000003	0.000000	No
				Ce	-0.000210	0.000000	No
				Ni	0.000089	0.000000	No
				V	0.000117	0.000000	No
				B	0.000150	0.000000	No
	B 208.959 {462}	☒	1	Mo	0.039488	0.000000	No
	Ba 455.403 { 74}	☒	2	Zr	0.000000	0.000000	No
				Ca	-0.000005	0.000000	No
	Be 313.042 {108}	☒	15	V	0.001140	0.000000	No
				Mo	-0.000047	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Ti	-0.000074	0.000000	No
			Mn	0.000000	0.000000	No
			Cu	0.000005	0.000000	No
			Bi	0.000060	0.000000	No
			Fe	0.000000	0.000000	No
			Al	0.000000	0.000000	No
			Mg	0.000001	0.000000	No
			Ca	0.000000	0.000000	No
			Sr	0.000000	0.000000	No
			S	-0.000001	0.000000	No
			Ni	0.000000	0.000000	No
			Ce	0.000120	0.000000	No
			B	0.000150	0.000000	No
Bi 223.061 {451}	☒	10	Ti	-0.000819	0.000000	No
			V	-0.000164	0.000000	No
			Co	-0.000330	0.000000	No
			Ca	-0.000002	0.000000	No
			Mg	-0.000000	0.000000	No
			Fe	0.000051	0.000000	No
			Cr	0.001595	0.000000	No
			Cu	-0.001148	0.000000	No
			W	-0.000800	0.000000	No
			Ce	-0.000820	0.000000	No
Ca 317.933 {106}	☒	14	Fe	0.000012	0.000000	No
			W	0.000000	0.000000	No
			Tl	-0.000152	0.000000	No
			Be	0.001840	0.000000	No
			Ba	-0.001224	0.000000	No
			Cu	-0.000822	0.000000	No
			Cd	0.000010	0.000000	No
			Ni	0.000667	0.000000	No
			B	-0.000210	0.000000	No
			Se	0.000923	0.000000	No
			Co	-0.000408	0.000000	No
			Cr	0.000640	0.000000	No
			Al	-0.000000	0.000000	No
			As	0.010000	0.000000	No
Cd 228.802 {448}	☒	15	As	0.007270	0.000000	No
			Ni	-0.000018	0.000000	No
			Fe	-0.000000	0.000000	No
			V	0.000054	0.000000	No
			Ba	0.000064	0.000000	No
			Co	-0.000667	0.000000	No
			Sr	-0.000020	0.000000	No
			Mn	0.000018	0.000000	No
			Cu	-0.000026	0.000000	No
			Zn	-0.000018	0.000000	No
			W	-0.000172	0.000000	No
			Zr	-0.000006	0.000000	No
			Mg	0.000000	0.000000	No
			Ca	0.000005	0.000000	No
			Al	-0.000000	0.000000	No
Ce 404.076 { 83}	☒	4	Mn	-0.000361	0.000000	No
			Fe	0.000174	0.000000	No
			Ti	-0.001676	0.000000	No
			Zr	0.000310	0.000000	No
Co 228.616 {448}	☒	7	Fe	0.000005	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Mo	0.000043	0.000000	No
			Ni	0.000091	0.000000	No
			Ti	0.001745	0.000000	No
			Ba	0.000540	0.000000	No
			W	0.000327	0.000000	No
			Cd	-0.000510	0.000000	No
Cr 267.716 {126}	☒	9	Mn	0.000158	0.000000	No
			V	-0.000183	0.000000	No
			Mo	-0.000082	0.000000	No
			Fe	0.000004	0.000000	No
			Ti	0.000060	0.000000	No
			Ba	0.000045	0.000000	No
			Cu	0.000100	0.000000	No
			Sr	-0.000100	0.000000	No
			W	0.000000	0.000000	No
Cu 324.754 {104}2	☒	14	Cr	-0.000099	0.000000	No
			V	-0.000086	0.000000	No
			Mo	0.000670	0.000000	No
			Ti	-0.000033	0.000000	No
			Fe	-0.000109	0.000000	No
			Zn	-0.000041	0.000000	No
			Co	-0.001350	0.000000	No
			Si	0.000016	0.000000	No
			Mn	-0.000017	0.000000	No
			Se	0.000050	0.000000	No
			Sb	0.000069	0.000000	No
			W	-0.000000	0.000000	No
			Al	0.000001	0.000000	No
			Zr	0.000300	0.000000	No
Fe 259.940 {130}	☒	15	Si	0.000221	0.000000	No
			Tl	-0.000051	0.000000	No
			Cr	-0.000420	0.000000	No
			Mn	-0.000046	0.000000	No
			V	0.000131	0.000000	No
			Cu	-0.000015	0.000000	No
			Zn	0.000046	0.000000	No
			Ti	0.000000	0.000000	No
			Ca	-0.000116	0.000000	No
			Ba	-0.000500	0.000000	No
			Mo	0.002980	0.000000	No
			Ni	0.000000	0.000000	No
			Al	-0.000078	0.000000	No
			As	0.000000	0.000000	No
			Li	-0.000500	0.000000	No
In 230.606 {446}*	☐	None				
K 766.490 { 44}	☒	11	Fe	0.000550	0.000000	No
			Al	0.000077	0.000000	No
			Ca	-0.000121	0.000000	No
			Mn	-0.007074	0.000000	No
			Si	-0.003000	0.000000	No
			V	-0.002000	0.000000	No
			Sn	-0.004700	0.000000	No
			Ba	-0.010574	0.000000	No
			Mo	-0.000850	0.000000	No
			Cu	-0.011483	0.000000	No
			Ni	-0.010000	0.000000	No
Li 670.784 { 50}	☒	2	Ca	0.000019	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Fe	-0.000008	0.000000	No
Mg 279.079 {121}	☒	3	Mo	-0.013702	0.000000	No
			W	-0.000030	0.000000	No
			Mn	-0.002445	0.000000	No
Mn 257.610 {131}	☒	8	Fe	0.000008	0.000000	No
			Si	0.000010	0.000000	No
			Ba	0.000004	0.000000	No
			Ni	0.000028	0.000000	No
			Al	0.000000	0.000000	No
			Ca	0.000010	0.000000	No
			Mg	0.000003	0.000000	No
			W	0.000260	0.000000	No
Mo 202.030 {467}	☒	2	Al	-0.000004	0.000000	No
			Fe	-0.000010	0.000000	No
Na 589.592 { 57}	☒	4	K	0.000040	0.000000	No
			Ba	0.000900	0.000000	No
			Ca	-0.000070	0.000000	No
			V	-0.005000	0.000000	No
Ni 231.604 {446}	☒	9	Fe	0.000033	0.000000	No
			Zn	-0.000013	0.000000	No
			Be	0.000213	0.000000	No
			Co	0.000141	0.000000	No
			Tl	0.000209	0.000000	No
			Mo	0.000026	0.000000	No
			Cu	0.000050	0.000000	No
			Se	0.000100	0.000000	No
			Ca	0.000000	0.000000	No
P 177.495 {490}	☒	13	Mn	-0.000215	0.000000	No
			Al	0.000028	0.000000	No
			V	0.001097	0.000000	No
			Si	0.000178	0.000000	No
			Ti	0.000000	0.000000	No
			Mo	0.000000	0.000000	No
			S	0.000015	0.000000	No
			Co	0.000352	0.000000	No
			Cu	0.003229	0.000000	No
			Ca	0.000024	0.000000	No
			Cr	0.000099	0.000000	No
			Fe	0.000057	0.000000	No
			W	0.002000	0.000000	No
Pb 220.353 {453}	☒	22	Al	-0.000056	0.000000	No
			Fe	0.000040	0.000000	No
			Ca	0.000003	0.000000	No
			Mn	0.000084	0.000000	No
			Mo	-0.001031	0.000000	No
			Cu	0.000399	0.000000	No
			Co	-0.001002	0.000000	No
			Ti	-0.000378	0.000000	No
			Si	0.000096	0.000000	No
			Ba	-0.000022	0.000000	No
			Sb	-0.000084	0.000000	No
			Sr	-0.000033	0.000000	No
			W	-0.000312	0.000000	No
			Mg	0.000007	0.000000	No
			Cd	0.000012	0.000000	No
			Cr	-0.000015	0.000000	No
			Ni	-0.000150	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				S	-0.000003	0.000000	No
				Zn	0.000064	0.000000	No
				Ce	0.000770	0.000000	No
				Zr	-0.000409	0.000000	No
				V	0.000112	0.000000	No
	S 182.034 {485}	☒	9	Mo	0.001470	0.000000	No
				Al	0.000008	0.000000	No
				Fe	-0.000011	0.000000	No
				Mn	0.005259	0.000000	No
				W	-0.000026	0.000000	No
				Ca	0.000036	0.000000	No
				Mg	0.000012	0.000000	No
				Ce	-0.002570	0.000000	No
				Ba	0.004000	0.000000	No
	Sb 206.833 {463}	☒	20	Fe	0.000019	0.000000	No
				Al	-0.000001	0.000000	No
				Ca	0.000006	0.000000	No
				Ni	-0.000022	0.000000	No
				Cr	0.013698	0.000000	No
				V	-0.002123	0.000000	No
				Zn	-0.000035	0.000000	No
				Mo	0.000356	0.000000	No
				Ti	0.000160	0.000000	No
				Sn	-0.002790	0.000000	No
				Mg	-0.000001	0.000000	No
				Zr	-0.000120	0.000000	No
				Sr	0.000031	0.000000	No
				B	-0.000100	0.000000	No
				Co	-0.000102	0.000000	No
				W	0.001030	0.000000	No
				Si	0.000030	0.000000	No
				Ce	-0.000870	0.000000	No
				Mn	-0.000139	0.000000	No
				S	-0.000005	0.000000	No
	Se 196.090 {472}	☒	24	Al	0.000004	0.000000	No
				Ca	-0.000004	0.000000	No
				Mn	0.000114	0.000000	No
				Mo	0.000100	0.000000	No
				Fe	-0.000067	0.000000	No
				Co	-0.000173	0.000000	No
				Sr	-0.000011	0.000000	No
				Cu	0.000076	0.000000	No
				W	0.006890	0.000000	No
				Si	0.000054	0.000000	No
				Be	-0.000347	0.000000	No
				Zn	0.000050	0.000000	No
				B	0.000028	0.000000	No
				Ti	-0.000067	0.000000	No
				Cd	0.000090	0.000000	No
				Zr	-0.000297	0.000000	No
				Ba	-0.000046	0.000000	No
				Mg	0.000002	0.000000	No
				Pb	-0.000078	0.000000	No
				Ni	0.000043	0.000000	No
				Cr	-0.000024	0.000000	No
				S	-0.000004	0.000000	No
				V	-0.000063	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Ce	-0.000130	0.000000	No
Si 212.412 {459}	☒	18	Sr	0.000366	0.000000	No
			Ni	0.000021	0.000000	No
			Mo	0.028000	0.000000	No
			V	0.019350	0.000000	No
			Ti	0.005473	0.000000	No
			Al	0.000002	0.000000	No
			Cd	0.001043	0.000000	No
			Ba	0.001987	0.000000	No
			Sn	0.007500	0.000000	No
			Zn	0.000385	0.000000	No
			Be	-0.000048	0.000000	No
			W	0.010427	0.000000	No
			Ca	0.000017	0.000000	No
			Fe	0.000010	0.000000	No
			Mg	-0.000014	0.000000	No
			S	0.000200	0.000000	No
			As	0.080000	0.000000	No
			Co	0.020000	0.000000	No
Sn 189.989 {478}	☒	5	Ti	-0.001934	0.000000	No
			Fe	0.000004	0.000000	No
			Si	0.000000	0.000000	No
			Zr	0.000394	0.000000	No
			W	0.000000	0.000000	No
Sr 407.771 { 83}	☒	2	Ca	0.000005	0.000000	No
			Si	0.000033	0.000000	No
Ti 334.904 {101}	☒	4	Cr	-0.000063	0.000000	No
			Mo	0.001093	0.000000	No
			Si	0.000035	0.000000	No
			Li	0.000000	0.000000	No
Tl 190.856 {477}	☒	27	Cr	0.000215	0.000000	No
			Mo	0.000131	0.000000	No
			Al	-0.000003	0.000000	No
			Fe	-0.000025	0.000000	No
			V	-0.010956	0.000000	No
			Mn	0.001217	0.000000	No
			Si	-0.000048	0.000000	No
			Ca	-0.000003	0.000000	No
			Ti	-0.001251	0.000000	No
			Mg	0.000002	0.000000	No
			Co	0.003714	0.000000	No
			Sr	0.000210	0.000000	No
			B	-0.000003	0.000000	No
			Ba	0.000034	0.000000	No
			Zn	-0.000053	0.000000	No
			As	0.000280	0.000000	No
			W	-0.000800	0.000000	No
			Cu	0.000000	0.000000	No
			Pb	0.000147	0.000000	No
			S	0.000010	0.000000	No
			Sn	-0.000086	0.000000	No
			Li	0.000000	0.000000	No
			K	0.000000	0.000000	No
			Zr	-0.000040	0.000000	No
			Ce	-0.000040	0.000000	No
			P	0.000000	0.000000	No
			Ni	0.000047	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
	V 292.402 {115}	☒	7	Ti	0.000779	0.000000	No
				Mo	-0.000954	0.000000	No
				Fe	0.000024	0.000000	No
				Sr	-0.000100	0.000000	No
				Cr	-0.001171	0.000000	No
				Mn	-0.000100	0.000000	No
				Al	0.000000	0.000000	No
	W 207.911 {462}	☒	20	Si	0.000105	0.000000	No
				As	0.000100	0.000000	No
				Mn	0.000066	0.000000	No
				Mo	-0.000300	0.000000	No
				Ti	0.000080	0.000000	No
				Sr	-0.000850	0.000000	No
				V	-0.000140	0.000000	No
				Cd	-0.000650	0.000000	No
				Cr	-0.000390	0.000000	No
				Zn	0.012306	0.000000	No
				Sn	-0.000320	0.000000	No
				Zr	0.000061	0.000000	No
				B	0.000009	0.000000	No
				Sb	-0.000300	0.000000	No
				Co	-0.001000	0.000000	No
				Ni	0.000050	0.000000	No
				Be	-0.000185	0.000000	No
				Se	-0.000105	0.000000	No
				Cu	-0.000138	0.000000	No
				Tl	-0.000220	0.000000	No
	Y 360.073 { 94}*	☐	None				
	Y 371.030 { 91}*	☐	None				
	Y 224.306 {451}*	☐	None				
	Zn 206.200 {464}	☒	12	Cr	-0.000843	0.000000	No
				Fe	0.000002	0.000000	No
				Si	0.000015	0.000000	No
				Mn	-0.000045	0.000000	No
				Ba	-0.000060	0.000000	No
				Sn	-0.000023	0.000000	No
				Cu	0.000148	0.000000	No
				As	0.000055	0.000000	No
				Be	0.000058	0.000000	No
				Ca	0.000014	0.000000	No
				W	0.001027	0.000000	No
				V	0.000264	0.000000	No
	Zr 339.198 { 99}	☒	13	Mo	0.001036	0.000000	No
				Ti	-0.000044	0.000000	No
				Fe	-0.000028	0.000000	No
				Si	0.000032	0.000000	No
				S	0.000000	0.000000	No
				Cr	-0.000200	0.000000	No
				W	0.001099	0.000000	No
				V	0.000800	0.000000	No
				Ni	0.000000	0.000000	No
				As	0.000000	0.000000	No
				Sn	0.000000	0.000000	No
				Sb	0.000000	0.000000	No
				Ce	0.000000	0.000000	No

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
Ag 328.068 {103}	10/20/2025 21:57:06	10/20/2025 7:30:00	Linear	None	-0.000182	0.145243	0.000000	1.000000
Al 396.152 { 85}	10/20/2025 21:57:06	10/20/2025 7:30:00	Linear	None	0.000244	0.047965	0.000000	1.000000
As 189.042 {478}	10/20/2025 21:57:06	10/20/2025 7:30:00	Linear	None	-0.000051	0.062519	0.000000	1.000000
B 208.959 {462}	10/20/2025 21:57:06	10/20/2025 7:30:00	Linear	None	0.000488	0.256942	0.000000	1.000000
Ba 455.403 { 74}	10/20/2025 21:57:06	10/20/2025 7:30:00	Linear	None	0.001145	2.218923	0.000000	1.000000
Be 313.042 {108}	10/20/2025 21:57:06	10/20/2025 7:30:00	Linear	None	0.000438	2.862588	0.000000	1.000000
Bi 223.061 {451}	10/20/2025 21:57:06	10/20/2025 7:30:00	Linear	None	-0.001350	0.249024	0.000000	1.000000
Ca 317.933 {106}	10/20/2025 21:57:06	10/20/2025 7:30:00	Linear	None	0.003811	0.089372	0.000000	1.000000
Cd 228.802 {448}	10/20/2025 21:57:06	10/20/2025 7:30:00	Linear	None	0.000761	1.085841	0.000000	1.000000
Ce 404.076 { 83}	10/20/2025 21:57:06	10/20/2025 7:30:00	Linear	1/Conc	-0.000214	0.048029	0.000000	1.000000
Co 228.616 {448}	10/20/2025 21:57:06	10/20/2025 7:30:00	Linear	None	-0.000240	0.428433	0.000000	1.000000
Cr 267.716 {126}	10/20/2025 21:57:06	10/20/2025 7:30:00	Linear	None	-0.000005	0.124885	0.000000	1.000000
Cu 324.754 {104}2	10/20/2025 21:57:06	10/20/2025 7:30:00	Linear	None	0.009514	0.329308	0.000000	1.000000
Fe 259.940 {130}	10/20/2025 21:57:06	10/20/2025 7:30:00	Linear	None	0.000001	0.043574	0.000000	1.000000
In 230.606 {446}*	10/20/2025 21:57:06	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
K 766.490 { 44}	10/20/2025 21:57:06	10/20/2025 7:30:00	Linear	None	0.000646	0.017222	0.000000	1.000000
Li 670.784 { 50}	10/20/2025 21:57:06	10/20/2025 7:30:00	Linear	None	0.001121	0.402083	0.000000	1.000000
Mg 279.079 {121}	10/20/2025 21:57:06	10/20/2025 7:30:00	Linear	None	-0.000163	0.006982	0.000000	1.000000
Mn 257.610 {131}	10/20/2025 21:57:06	10/20/2025 7:30:00	Linear	None	0.000102	0.735627	0.000000	1.000000
Mo 202.030 {467}	10/20/2025 21:57:06	10/20/2025 7:30:00	Linear	None	0.000857	0.658355	0.000000	1.000000
Na 589.592 { 57}	10/20/2025 21:57:06	10/20/2025 7:30:00	Linear	None	0.002782	0.075475	0.000000	1.000000
Ni 231.604 {446}	10/20/2025 21:57:06	10/20/2025 7:30:00	Linear	None	0.000332	0.365841	0.000000	1.000000
P 177.495 {490}	10/20/2025 21:57:06	10/20/2025 7:30:00	Linear	1/Conc	-0.001398	0.087942	0.000000	1.000000
Pb 220.353 {453}	10/20/2025 21:57:06	10/20/2025 7:30:00	Linear	None	0.000010	0.175211	0.000000	1.000000
S 182.034 {485}	10/20/2025 21:57:06	10/20/2025 7:30:00	Linear	None	0.000296	0.052268	0.000000	1.000000
Sb 206.833 {463}	10/20/2025 21:57:06	10/20/2025 7:30:00	Linear	None	0.000456	0.172112	0.000000	1.000000
Se 196.090 {472}	10/20/2025 21:57:06	10/20/2025 7:30:00	Linear	None	0.000052	0.078485	0.000000	1.000000
Si 212.412 {459}	10/20/2025 21:57:06	10/20/2025 7:30:00	Linear	None	0.004811	0.212833	0.000000	1.000000
Sn 189.989 {478}	10/20/2025 21:57:06	10/20/2025 7:30:00	Linear	None	0.000337	0.119584	0.000000	1.000000
Sr 407.771 { 83}	10/20/2025 21:57:06	10/20/2025 7:30:00	Linear	None	0.000596	4.548617	0.000000	1.000000
Ti 334.904 {101}	10/20/2025 21:57:06	10/20/2025 7:30:00	Linear	None	-0.000003	0.146073	0.000000	1.000000
Tl 190.856 {477}	10/20/2025 21:57:06	10/20/2025 7:30:00	Linear	None	-0.000214	0.036127	0.000000	1.000000
V 292.402 {115}	10/20/2025 21:57:06	10/20/2025 7:30:00	Linear	None	0.000015	0.216824	0.000000	1.000000
W 207.911 {462}	10/20/2025 21:57:06	10/20/2025 7:30:00	Linear	None	0.000905	0.359040	0.000000	1.000000
Y 360.073 { 94}*	10/20/2025 21:57:06	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}*	10/20/2025 21:57:06	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 224.306 {451}*	10/20/2025 21:57:06	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Zn 206.200 {464}	10/20/2025 21:57:06	10/20/2025 7:30:00	Linear	None	0.001886	0.899896	0.000000	1.000000
Zr 339.198 { 99}	10/20/2025 21:57:06	10/20/2025 7:30:00	Linear	None	-0.000523	0.487689	0.000000	1.000000

Element, Wavelength and Order	Correlation	Std Error of Est	Predicted MDL	Predicted MQL	Status	Reslope		QC Norm	
						Slope	Y-int	Slope factor	Offset
Ag 328.068 {103}	1.000000	0.000000	0.000420	0.001399	OK.	1.000000	0.000000	1	0
Al 396.152 { 85}	1.000000	0.000000	0.007668	0.025560	OK.	1.000000	0.000000	1	0
As 189.042 {478}	1.000000	0.000000	0.002606	0.008687	OK.	1.000000	0.000000	1	0
B 208.959 {462}	1.000000	0.000000	0.000777	0.002590	OK.	1.000000	0.000000	1	0
Ba 455.403 { 74}	1.000000	0.000000	0.000229	0.000764	OK.	1.000000	0.000000	1	0
Be 313.042 {108}	1.000000	0.000000	0.000060	0.000199	OK.	1.000000	0.000000	1	0
Bi 223.061 {451}	1.000000	0.000000	0.001608	0.005360	OK.	1.000000	0.000000	1	0
Ca 317.933 {106}	1.000000	0.000000	0.002405	0.008015	OK.	1.000000	0.000000	1	0
Cd 228.802 {448}	1.000000	0.000000	0.000236	0.000787	OK.	1.000000	0.000000	1	0
Ce 404.076 { 83}	1.000000	0.000000	0.002429	0.008098	OK.	1.000000	0.000000	1	0
Co 228.616 {448}	1.000000	0.000000	0.000351	0.001169	OK.	1.000000	0.000000	1	0
Cr 267.716 {126}	1.000000	0.000000	0.000335	0.001118	OK.	1.000000	0.000000	1	0
Cu 324.754 {104}2	1.000000	0.000000	0.000305	0.001015	OK.	1.000000	0.000000	1	0
Fe 259.940 {130}	1.000000	0.000000	0.002142	0.007141	OK.	1.000000	0.000000	1	0
In 230.606 {446}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
K 766.490 { 44}	1.000000	0.000000	0.038182	0.127274	OK.	1.000000	0.000000	1	0
Li 670.784 { 50}	1.000000	0.000000	0.001552	0.005173	OK.	1.000000	0.000000	1	0
Mg 279.079 {121}	1.000000	0.000000	0.019353	0.064509	OK.	1.000000	0.000000	1	0
Mn 257.610 {131}	1.000000	0.000000	0.000053	0.000177	OK.	1.000000	0.000000	1	0
Mo 202.030 {467}	1.000000	0.000000	0.000359	0.001197	OK.	1.000000	0.000000	1	0
Na 589.592 { 57}	1.000000	0.000000	0.008018	0.026727	OK.	1.000000	0.000000	1	0
Ni 231.604 {446}	1.000000	0.000000	0.000469	0.001563	OK.	1.000000	0.000000	1	0
P 177.495 {490}	1.000000	0.000000	0.001831	0.006102	OK.	1.000000	0.000000	1	0
Pb 220.353 {453}	1.000000	0.000000	0.001546	0.005152	OK.	1.000000	0.000000	1	0
S 182.034 {485}	1.000000	0.000000	0.003502	0.011675	OK.	1.000000	0.000000	1	0
Sb 206.833 {463}	1.000000	0.000000	0.001616	0.005388	OK.	1.000000	0.000000	1	0
Se 196.090 {472}	1.000000	0.000000	0.002669	0.008897	OK.	1.000000	0.000000	1	0
Si 212.412 {459}	1.000000	0.000000	0.001333	0.004442	OK.	1.000000	0.000000	1	0
Sn 189.989 {478}	1.000000	0.000000	0.001313	0.004377	OK.	1.000000	0.000000	1	0
Sr 407.771 { 83}	1.000000	0.000000	0.000068	0.000227	OK.	1.000000	0.000000	1	0
Ti 334.904 {101}	1.000000	0.000000	0.000365	0.001215	OK.	1.000000	0.000000	1	0
Tl 190.856 {477}	1.000000	0.000000	0.002558	0.008528	OK.	1.000000	0.000000	1	0
V 292.402 {115}	1.000000	0.000000	0.000267	0.000890	OK.	1.000000	0.000000	1	0
W 207.911 {462}	1.000000	0.000000	0.001382	0.004607	OK.	1.000000	0.000000	1	0
Y 360.073 { 94}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 371.030 { 91}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Y 224.306 {451}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
Zn 206.200 {464}	1.000000	0.000000	0.000234	0.000781	OK.	1.000000	0.000000	1	0
Zr 339.198 { 99}	1.000000	0.000000	0.000168	0.000561	OK.	1.000000	0.000000	1	0

Zoom In ▶ Zoom Out

Sample Name: STDA Acquired: 10/20/2025 9:54:19 Type: Cal
Method: SGS No Vlave3(v298) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0005**	**.0016**	**.0001**	**.0011**	**.0040**	**.0021**	**.0004**	**.0105**	**.0005**
Stddev	.0000	.0002	.0000	.0000	.0000	.0002	.0002	.0001	.0002
%RSD	9.280	10.49	20.30	4.182	.8972	7.656	50.04	1.129	32.60
#1	-.0005	.0018	.0001	.0010	.0039	.0021	.0003	.0106	.0007
#2	-.0006	.0015	.0001	.0011	.0040	.0022	.0006	.0104	.0006
#3	-.0005	.0015	.0001	.0010	.0040	.0019	.0002	.0104	.0003

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0000**	**-.0001**	**.0000**	**.0022**	**.0003**	**.0057**	**.0018**	**.0001**	**.0003**
Stddev	.0001	.0000	.0000	.0000	.0001	.0008	.0004	.0000	.0000
%RSD	352.9	18.87	1058.	2.192	19.72	14.12	23.86	7.267	3.891
#1	.0000	-.0001	.0000	.0022	.0004	.0067	.0013	.0001	.0003
#2	.0001	-.0001	.0000	.0023	.0003	.0055	.0021	.0001	.0003
#3	-.0000	-.0001	-.0000	.0022	.0003	.0051	.0021	.0001	.0003

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0004**	**.0011**	**-.0002**	**-.0002**	**.0000**	**-.0001**	**-.0001**	**.0002**	**.0075**
Stddev	.0001	.0005	.0001	.0001	.0001	.0000	.0002	.0001	.0001
%RSD	28.88	41.72	36.90	42.35	1210.	26.11	145.1	46.91	.9340
#1	.0004	.0011	-.0003	-.0001	.0001	-.0001	-.0003	.0002	.0074
#2	.0003	.0007	-.0001	-.0002	-.0001	-.0001	-.0001	.0002	.0075
#3	.0005	.0016	-.0002	-.0002	-.0000	-.0001	.0000	.0001	.0076

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0002**	**.0020**	**.0000**	**-.0000**	**-.0000**	**.0013**	**.0013**	**-.0002**
Stddev	.0001	.0003	.0000	.0000	.0000	.0001	.0001	.0001
%RSD	46.15	16.78	161.6	66.15	643.2	5.901	7.212	22.40
#1	.0001	.0023	.0001	-.0001	.0000	.0014	.0014	-.0003
#2	.0002	.0020	-.0000	-.0000	-.0000	.0013	.0012	-.0002
#3	.0002	.0017	.0000	-.0000	-.0000	.0014	.0013	-.0002

◀ Zoom In ▶ Zoom Out

Sample Name: STDA Acquired: 10/20/2025 9:54:19 Type: Cal
Method: SGS No Vlave3(v298) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**20629.**	**238100.**	**36383.**	**9886.3**
Stddev	61.	4102.	278.	23.0
%RSD	.29517	1.7227	.76489	.23241
#1	20599.	242750.	36090.	9876.2
#2	20699.	234980.	36644.	9912.6
#3	20588.	236580.	36413.	9870.1

◀ Zoom In ▶ Zoom Out

Sample Name: STDB Acquired: 10/20/2025 9:59:19 Type: Cal
Method: SGS No Vlave3(v298) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0695**	**2.479**	**.4180**	**.7033**	**5.907**	**10.06**	**.7698**	**7.457**	**3.974**
Stddev	.0016	.003	.0002	.0003	.071	.15	.0005	.126	.003
%RSD	2.234	.1256	.0375	.0486	1.202	1.461	.0598	1.683	.0661
#1	.0713	2.479	.4179	.7036	5.895	9.924	.7697	7.347	3.976
#2	.0686	2.476	.4182	.7030	5.842	10.21	.7694	7.430	3.971
#3	.0687	2.482	.4180	.7031	5.983	10.03	.7703	7.593	3.975

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.1036**	**2.331**	**.5686**	**.8096**	**4.550**	**1.074**	**.8527**	**.8622**	**3.004**
Stddev	.0025	.002	.0128	.0200	.007	.001	.0004	.0021	.093
%RSD	2.399	.0893	2.259	2.475	.1509	.0923	.0414	.2400	3.107
#1	.1064	2.329	.5834	.8327	4.556	1.073	.8523	.8635	3.112
#2	.1020	2.333	.5601	.7968	4.542	1.073	.8528	.8598	2.946
#3	.1023	2.331	.5623	.7994	4.552	1.075	.8529	.8633	2.955

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2.805**	**3.463**	**1.740**	**.4003**	**.8104**	**.1933**	**.5493**	**.2961**	**1.835**
Stddev	.001	.005	.001	.0003	.0006	.0003	.0006	.0001	.001
%RSD	.0461	.1464	.0433	.0711	.0732	.1345	.1010	.0481	.0765
#1	2.807	3.467	1.740	.4006	.8098	.1934	.5499	.2962	1.837
#2	2.805	3.458	1.741	.4001	.8105	.1935	.5494	.2960	1.835
#3	2.804	3.465	1.740	.4001	.8110	.1930	.5488	.2962	1.835

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.6797**	**12.54**	**.6675**	**.1761**	**.7594**	**1.502**	**4.823**	**1.335**
Stddev	.0002	.14	.0157	.0002	.0166	.002	.002	.028
%RSD	.0255	1.154	2.350	.1243	2.185	.1176	.0327	2.072
#1	.6796	12.64	.6855	.1759	.7785	1.501	4.823	1.364
#2	.6795	12.37	.6573	.1760	.7482	1.501	4.821	1.309
#3	.6799	12.61	.6596	.1763	.7516	1.504	4.824	1.334

◀ Zoom In ▶ Zoom Out

Sample Name: STDB Acquired: 10/20/2025 9:59:19 Type: Cal
Method: SGS No Vlave3(v298) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**18837.**	**224020.**	**35677.**	**9391.2**
Stddev	48.	4731.	281.	22.9
%RSD	.25410	2.1119	.78813	.24403
#1	18855.	218610.	35796.	9392.8
#2	18873.	227350.	35879.	9413.3
#3	18782.	226120.	35356.	9367.5

Zoom In Zoom Out

Sample Name: ICV Acquired: 10/20/2025 10:05:00 Type: QC
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .2686	40.47	2.010	2.078	2.080	2.057	2.047	41.19	2.054
Stddev	.0035	.03	.003	.002	.000	.005	.002	.03	.002
%RSD	1.306	.0698	.1274	.1078	.0210	.2313	.0905	.0808	.1121
#1	.2686	40.44	2.008	2.076	2.080	2.062	2.044	41.21	2.052
#2	.2651	40.49	2.010	2.080	2.080	2.055	2.047	41.21	2.054
#3	.2721	40.48	2.013	2.080	2.081	2.053	2.048	41.16	2.057
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.2500								
Range	5.000%								

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.089	2.052	2.090	2.076	40.45	40.11	F 2.119	40.95	F 2.132
Stddev	.028	.001	.028	.027	.04	.03	.006	.01	.012
%RSD	1.327	.0426	1.318	1.312	.0874	.0725	.2643	.0221	.5657
#1	2.088	2.052	2.085	2.077	40.41	40.14	2.125	40.95	2.125
#2	2.062	2.051	2.066	2.048	40.47	40.09	2.117	40.95	2.126
#3	2.118	2.053	2.120	2.103	40.47	40.10	2.115	40.96	2.146
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail
Value							2.000		2.000
Range							5.000%		5.000%

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.030	40.70	2.067	2.045	2.055	2.031	2.052	2.076	5.111
Stddev	.002	.04	.002	.004	.001	.006	.002	.006	.006
%RSD	.0903	.0887	.0717	.2105	.0689	.2789	.0885	.2808	.1180
#1	2.028	40.66	2.067	2.041	2.055	2.027	2.050	2.070	5.106
#2	2.030	40.74	2.065	2.045	2.054	2.029	2.053	2.075	5.110
#3	2.032	40.70	2.068	2.050	2.057	2.038	2.053	2.082	5.118
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ICV Acquired: 10/20/2025 10:05:00 Type: QC
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.066	2.062	2.048	2.077	2.080	1.993	2.080	2.077
Stddev	.002	.020	.028	.004	.030	.002	.002	.029
%RSD	.1084	.9670	1.380	.1746	1.440	.0953	.0838	1.384
#1	2.066	2.053	2.042	2.081	2.075	1.991	2.079	2.072
#2	2.065	2.048	2.023	2.074	2.052	1.994	2.079	2.051
#3	2.069	2.085	2.078	2.076	2.111	1.994	2.082	2.108
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	19424.	227100.	35992.	9599.8
Stddev	8.	2523.	197.	4.5
%RSD	.04163	1.1111	.54657	.04701
#1	19418.	227940.	36140.	9604.1
#2	19434.	229090.	35769.	9600.3
#3	19421.	224260.	36067.	9595.1

Zoom In Zoom Out

Sample Name: ICB Acquired: 10/20/2025 10:13:06 Type: QC
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0004	.0117	.0006	.0034	.0004	F .0007	.0004	-.0091	.0003
Stddev	.0000	.0182	.0007	.0004	.0006	.0003	.0004	.0069	.0002
%RSD	5.888	155.2	106.4	12.04	137.6	45.02	103.4	75.82	49.07
#1	-.0004	.0137	.0003	.0034	-.0002	.0004	-.0000	-.0156	.0004
#2	-.0003	-.0074	.0014	.0030	.0006	.0007	.0009	-.0096	.0004
#3	-.0004	.0288	.0002	.0038	.0008	.0010	.0005	-.0019	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						.0005			
Low Limit						-.0005			

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0014	.0007	.0006	.0004	F .0142	.0626	.0016	.0113	.0007
Stddev	.0026	.0001	.0002	.0000	.0065	.0410	.0027	.0050	.0001
%RSD	194.1	8.824	31.03	12.99	45.89	65.55	169.2	43.87	12.51
#1	.0014	.0007	.0007	.0003	.0072	.0353	.0043	.0066	.0008
#2	-.0015	.0006	.0004	.0003	.0152	.1097	.0017	.0108	.0007
#3	-.0039	.0006	.0007	.0004	.0201	.0426	-.0011	.0165	.0007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					.0100				
Low Limit					-.0100				

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	-.0086	.0006	.0012	.0013	-.0027	.0001	-.0002	-.0064
Stddev	.0003	.0141	.0003	.0006	.0009	.0010	.0008	.0008	.0005
%RSD	52.75	165.0	51.09	47.43	65.57	37.54	954.1	437.0	7.201
#1	.0007	-.0088	.0006	.0015	.0023	-.0017	.0000	-.0001	-.0059
#2	.0007	.0057	.0009	.0005	.0011	-.0027	.0009	-.0010	-.0067
#3	.0002	-.0226	.0003	.0015	.0006	-.0037	-.0007	.0005	-.0067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ICB Acquired: 10/20/2025 10:13:06 Type: QC
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0006	.0009	.0007	.0009	-.0006	.0003	.0007
Stddev	.0003	.0003	.0001	.0011	.0003	.0007	.0001	.0002
%RSD	202.1	55.48	8.228	148.1	30.17	118.5	53.85	21.10
#1	-.0002	.0003	.0009	.0008	.0012	-.0014	.0003	.0008
#2	.0004	.0005	.0009	.0018	.0007	-.0003	.0004	.0006
#3	.0002	.0010	.0008	-.0004	.0008	-.0001	.0001	.0008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	20720.	239900.	36415.	9851.0
Stddev	29.	1314.	120.	20.8
%RSD	.13828	.54756	.32894	.21092
#1	20706.	241370.	36542.	9848.1
#2	20701.	238840.	36304.	9831.8
#3	20753.	239490.	36398.	9873.0

Inst QC: MA59582

Zoom In / Zoom Out

Sample Name: ICV Acquired: 10/20/2025 10:22:12 Type: QC
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2610**	**40.44**	**2.011**	**2.072**	**2.087**	**2.068**	**2.044**	**41.24**	**2.054**
Stddev	.0021	.02	.003	.001	.003	.002	.001	.04	.001
%RSD	.8125	.0564	.1683	.0288	.1317	.1120	.0452	.0878	.0681
#1	.2611	40.44	2.015	2.072	2.090	2.070	2.043	41.25	2.055
#2	.2589	40.47	2.010	2.072	2.085	2.066	2.044	41.26	2.054
#3	.2631	40.42	2.009	2.073	2.086	2.068	2.045	41.20	2.053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.051**	**2.046**	**2.045**	**2.036**	**40.40**	**40.01**	F **2.128**	**40.92**	**2.078**
Stddev	.013	.001	.015	.014	.05	.06	.001	.08	.016
%RSD	.6427	.0225	.7515	.6930	.1356	.1399	.0539	.1896	.7588
#1	2.054	2.046	2.043	2.033	40.39	39.97	2.128	40.87	2.084
#2	2.037	2.047	2.031	2.024	40.45	40.07	2.128	41.01	2.060
#3	2.063	2.046	2.062	2.052	40.34	39.98	2.126	40.88	2.091
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value							2.000		
Range							5.000%		

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.030**	**40.74**	**2.064**	**2.047**	**2.054**	**2.029**	**2.053**	**2.072**	**5.099**
Stddev	.001	.03	.002	.004	.001	.001	.003	.001	.005
%RSD	.0644	.0645	.0993	.1947	.0449	.0238	.1459	.0395	.1039
#1	2.031	40.76	2.066	2.047	2.054	2.030	2.056	2.071	5.103
#2	2.029	40.75	2.065	2.043	2.054	2.029	2.054	2.073	5.102
#3	2.029	40.71	2.062	2.051	2.053	2.029	2.050	2.071	5.093
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In / Zoom Out

Sample Name: ICV Acquired: 10/20/2025 10:22:12 Type: QC
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.070**	**2.069**	**2.008**	**2.072**	**2.027**	**1.992**	**2.079**	**2.034**
Stddev	.002	.017	.015	.001	.017	.003	.001	.016
%RSD	.0800	.8096	.7436	.0521	.8603	.1596	.0348	.7856
#1	2.071	2.050	2.005	2.071	2.027	1.996	2.080	2.033
#2	2.068	2.073	1.995	2.073	2.010	1.990	2.080	2.019
#3	2.071	2.083	2.024	2.072	2.045	1.990	2.079	2.051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**19419.**	**232320.**	**36180.**	**9572.9**
Stddev	40.	1259.	148.	25.9
%RSD	.20697	.54179	.41026	.27101
#1	19396.	232510.	36138.	9559.5
#2	19465.	233480.	36057.	9602.8
#3	19396.	230980.	36345.	9556.3

Zoom In / Zoom Out

Sample Name: RINSECONF Acquired: 10/20/2025 10:29:43 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0004**	**.0101**	**.0016**	**.0028**	**.0005**	**.0006**	**-.0003**	**-.0110**	**.0004**
Stddev	.0004	.0039	.0015	.0014	.0003	.0001	.0016	.0021	.0003
%RSD	99.05	38.92	98.15	49.40	54.45	13.24	485.6	19.13	71.25
#1	-.0005	.0060	.0025	.0038	.0006	.0005	-.0022	-.0134	.0007
#2	.0000	.0138	.0024	.0034	.0002	.0006	.0007	-.0098	.0003
#3	-.0009	.0104	-.0002	.0012	.0008	.0007	.0005	-.0097	.0002

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0007**	**.0008**	**.0005**	**.0136**	**.0801**	**.0016**	**.0070**	**.0007**
Stddev	.0034	.0003	.0001	.0005	.0023	.0456	.0020	.0183	.0000
%RSD	623.1	42.89	17.55	98.30	17.01	56.95	121.1	259.8	6.299
#1	.0011	.0010	.0007	-.0001	.0111	.0636	.0004	.0105	.0008
#2	-.0031	.0005	.0007	.0009	.0139	.0450	.0039	-.0127	.0007
#3	.0036	.0005	.0009	.0008	.0157	.1316	.0006	.0234	.0008

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0008**	**-.0146**	**.0005**	**.0009**	**.0007**	**-.0016**	**-.0003**	**.0006**	**-.0059**
Stddev	.0002	.0042	.0004	.0003	.0010	.0014	.0006	.0004	.0017
%RSD	21.05	28.67	83.42	37.91	146.3	84.01	220.0	78.15	29.38
#1	.0009	-.0188	.0009	.0006	.0017	-.0032	-.0008	.0007	-.0045
#2	.0008	-.0147	.0005	.0008	.0007	-.0006	-.0005	.0001	-.0054
#3	.0006	-.0104	.0001	.0012	-.0003	-.0011	.0004	.0009	-.0079

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0005**	**.0006**	**.0006**	**.0009**	**-.0007**	**.0004**	**.0007**
Stddev	.0002	.0001	.0003	.0007	.0003	.0005	.0003	.0001
%RSD	343.1	17.07	52.20	106.0	29.55	75.60	76.88	19.92
#1	-.0001	.0005	.0009	.0014	.0008	-.0001	.0007	.0009
#2	.0003	.0005	.0006	.0001	.0006	-.0011	.0003	.0006
#3	-.0001	.0006	.0003	.0004	.0012	-.0008	.0001	.0008

Zoom In / Zoom Out

Sample Name: RINSECONF Acquired: 10/20/2025 10:29:43 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**20703.**	**237030.**	**36407.**	**9787.0**
Stddev	66.	1431.	130.	49.7
%RSD	.31701	.60378	.35798	.50797
#1	20774.	238680.	36539.	9838.1
#2	20644.	236220.	36278.	9738.8
#3	20692.	236190.	36405.	9783.9

Zoom In Zoom Out

Sample Name: ICB Acquired: 10/20/2025 10:34:25 Type: QC
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0006**	**.0040**	**.0010**	**.0012**	**.0000**	**.0001**	**-.0007**	**-.0221**	**.0002**
Stddev	.0004	.0065	.0007	.0005	.0004	.0000	.0008	.0009	.0000
%RSD	57.22	164.4	68.26	44.59	1810.	31.49	123.0	4.033	29.24
#1	-.0007	.0115	.0005	.0017	-.0004	.0001	-.0011	-.0211	.0002
#2	-.0003	-.0002	.0007	.0006	.0001	.0002	.0003	-.0221	.0001
#3	-.0010	.0006	.0018	.0013	.0003	.0001	-.0012	-.0229	.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0013**	**.0003**	**-.0001**	**-.0003**	**.0049**	**.0282**	**.0013**	**-.0045**	**.0001**
Stddev	.0025	.0001	.0002	.0003	.0004	.0272	.0008	.0060	.0000
%RSD	191.9	51.85	177.6	106.6	8.200	96.23	59.10	133.8	39.22
#1	.0033	.0004	-.0002	-.0004	.0047	.0037	.0011	-.0115	.0001
#2	.0022	.0001	-.0003	-.0006	.0054	.0236	.0007	-.0012	.0001
#3	-.0015	.0003	.0001	.0000	.0046	.0574	.0022	-.0009	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**-.0312**	**.0000**	**.0009**	**.0003**	**-.0018**	**.0007**	**-.0004**	**-.0079**
Stddev	.0003	.0030	.0003	.0005	.0004	.0029	.0004	.0010	.0006
%RSD	164.8	9.724	2111.	60.68	126.2	163.1	57.18	253.0	7.241
#1	.0001	-.0332	-.0002	.0007	.0007	.0013	.0011	-.0008	-.0079
#2	.0004	-.0327	-.0001	.0005	-.0001	-.0044	.0003	.0007	-.0073
#3	-.0000	-.0277	.0004	.0015	.0003	-.0023	.0008	-.0012	-.0085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ICB Acquired: 10/20/2025 10:34:25 Type: QC
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**-.0000**	**.0001**	**-.0002**	**.0000**	**-.0011**	**-.0000**	**.0002**
Stddev	.0001	.0001	.0003	.0002	.0000	.0004	.0000	.0000
%RSD	38.81	324.7	358.4	88.81	1796.	37.58	61.57	4.290
#1	-.0001	-.0001	-.0001	-.0003	-.0000	-.0011	-.0000	.0002
#2	-.0003	.0001	-.0001	-.0000	.0001	-.0015	-.0001	.0002
#3	-.0003	-.0001	.0004	-.0004	-.0000	-.0007	-.0000	.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**20756.**	**244000.**	**36228.**	**9779.6**
Stddev	9.	1048.	286.	7.1
%RSD	.04310	.42952	.78819	.07281
#1	20748.	243250.	36553.	9772.0
#2	20766.	243540.	36017.	9786.1
#3	20755.	245190.	36114.	9780.7

Zoom In Zoom Out

Sample Name: ICCV Acquired: 10/20/2025 10:41:36 Type: QC
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2385**	**39.36**	**2.022**	**1.989**	**2.024**	**1.995**	**2.029**	**40.49**	**1.999**
Stddev	.0010	.04	.004	.002	.001	.006	.003	.11	.001
%RSD	.4208	.1066	.1860	.0980	.0441	.2959	.1612	.2736	.0661
#1	.2383	39.37	2.026	1.991	2.023	1.989	2.028	40.41	1.999
#2	.2379	39.34	2.019	1.990	2.023	1.994	2.025	40.47	1.999
#3	.2378	39.41	2.023	1.987	2.024	2.003	2.029	40.65	1.997
#4	.2400	39.31	2.018	1.990	2.024	1.995	2.033	40.42	2.000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.966**	**1.971**	**1.971**	**1.971**	**39.71**	**39.10**	**1.976**	**39.67**	**1.975**
Stddev	.016	.001	.011	.017	.04	.12	.005	.07	.026
%RSD	.8042	.0606	.5743	.8795	.0964	.2964	.2455	.1799	1.343
#1	1.965	1.971	1.970	1.969	39.70	39.04	1.971	39.72	1.958
#2	1.957	1.971	1.965	1.962	39.69	39.03	1.979	39.63	1.977
#3	1.953	1.973	1.962	1.958	39.77	39.27	1.981	39.74	1.953
#4	1.988	1.971	1.987	1.996	39.69	39.05	1.973	39.59	2.011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.004**	**39.82**	**1.994**	**1.991**	**1.980**	**1.968**	**2.003**	**2.000**	**5.096**
Stddev	.001	.02	.002	.005	.001	.003	.003	.003	.004
%RSD	.0430	.0450	.0996	.2334	.0664	.1612	.1397	.1306	.0702
#1	2.005	39.82	1.996	1.996	1.982	1.967	2.003	2.003	5.098
#2	2.004	39.82	1.995	1.986	1.979	1.965	1.999	1.997	5.092
#3	2.003	39.84	1.993	1.987	1.980	1.968	2.005	2.001	5.095
#4	2.005	39.80	1.992	1.992	1.980	1.973	2.005	2.000	5.099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ICCV Acquired: 10/20/2025 10:41:36 Type: QC
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.030**	**2.022**	**1.966**	**1.998**	**1.952**	**1.949**	**2.042**	**1.956**
Stddev	.002	.034	.012	.002	.008	.002	.002	.013
%RSD	.1037	1.698	.6105	.0989	.4156	.1023	.1002	.6491
#1	2.031	1.988	1.965	1.998	1.956	1.949	2.045	1.957
#2	2.028	2.003	1.961	1.997	1.945	1.948	2.041	1.948
#3	2.029	2.032	1.956	2.001	1.946	1.952	2.042	1.945
#4	2.032	2.066	1.984	1.996	1.962	1.948	2.041	1.973
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**19510.**	**233680.**	**35883.**	**9531.5**
Stddev	33.	729.	188.	11.3
%RSD	.16658	.31202	.52254	.11864
#1	19497.	234190.	35825.	9526.4
#2	19504.	234170.	35848.	9533.6
#3	19483.	233710.	35709.	9519.7
#4	19557.	232630.	36148.	9546.1

Zoom In Zoom Out

Sample Name: RINSECONF Acquired: 10/20/2025 10:50:58 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0009**	**.0172**	**.0010**	**.0016**	**.0009**	**.0011**	**.0002**	**-.0011**	**.0006**
Stddev	.0000	.0055	.0010	.0008	.0001	.0002	.0007	.0019	.0004
%RSD	4.565	32.01	107.1	48.89	6.620	15.89	459.9	166.9	63.05
#1	-.0009	.0161	.0021	.0024	.0009	.0011	.0003	-.0031	.0011
#2	-.0010	.0232	.0001	.0016	.0010	.0013	-.0006	.0006	.0005
#3	-.0009	.0123	.0007	.0008	.0009	.0010	.0008	-.0009	.0004

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0016**	**.0009**	**.0007**	**.0004**	**.0243**	**.0864**	**.0018**	**.0162**	**.0008**
Stddev	.0007	.0004	.0001	.0003	.0019	.0252	.0004	.0020	.0001
%RSD	45.37	43.20	15.26	73.10	7.860	29.17	23.02	12.31	13.36
#1	-.0010	.0013	.0008	.0006	.0223	.0641	.0019	.0185	.0010
#2	-.0014	.0005	.0006	.0001	.0261	.0813	.0022	.0149	.0008
#3	-.0024	.0009	.0008	.0006	.0246	.1137	.0013	.0152	.0008

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007**	**-.0066**	**.0007**	**.0022**	**.0003**	**-.0000**	**.0017**	**-.0003**	**-.0053**
Stddev	.0003	.0067	.0001	.0004	.0003	.0003	.0009	.0013	.0006
%RSD	47.61	100.5	20.72	19.57	99.45	851.9	52.09	433.4	10.91
#1	.0010	.0005	.0008	.0026	.0002	.0003	.0018	.0009	-.0046
#2	.0004	-.0076	.0006	.0018	.0006	-.0003	.0025	-.0016	-.0055
#3	.0006	-.0128	.0006	.0023	.0001	-.0001	.0008	-.0002	-.0057

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007**	**.0011**	**.0008**	**.0010**	**.0007**	**-.0004**	**.0005**	**.0009**
Stddev	.0003	.0001	.0004	.0008	.0001	.0004	.0004	.0002
%RSD	39.63	8.983	44.56	76.82	14.25	92.87	75.54	18.38
#1	.0007	.0011	.0012	.0002	.0008	.0000	.0009	.0011
#2	.0004	.0012	.0005	.0017	.0006	-.0005	.0002	.0007
#3	.0010	.0010	.0008	.0011	.0006	-.0008	.0004	.0010

Zoom In Zoom Out

Sample Name: RINSECONF Acquired: 10/20/2025 10:50:58 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**20767.**	**237500.**	**36220.**	**9752.4**
Stddev	63.	3444.	341.	40.1
%RSD	.30488	1.4500	.94282	.41100
#1	20717.	233520.	35891.	9715.1
#2	20746.	239610.	36573.	9747.3
#3	20838.	239350.	36197.	9794.8

Zoom In Zoom Out

Sample Name: CCB 7 Acquired: 10/20/2025 10:55:46 Type: QC
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**-.0170**	**-.0001**	**.0006**	**-.0004**	**-.0003**	**-.0010**	**-.0333**	**-.0003**
Stddev	.0000	.0078	.0000	.0006	.0002	.0001	.0010	.0011	.0002
%RSD	1463.	45.78	37.24	104.4	43.10	19.98	106.6	3.355	63.85
#1	.0000	-.0128	-.0002	.0005	-.0002	-.0003	-.0018	-.0325	-.0002
#2	.0000	-.0260	-.0001	.0000	-.0006	-.0002	.0002	-.0328	-.0004
#3	-.0001	-.0122	-.0001	.0012	-.0003	-.0003	-.0013	-.0346	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0002**	**-.0002**	**-.0008**	**-.0055**	**.0198**	**-.0002**	**-.0147**	**-.0003**
Stddev	.0017	.0001	.0002	.0001	.0016	.0101	.0019	.0092	.0000
%RSD	1291.	67.25	94.44	16.45	29.36	51.00	850.4	62.14	10.26
#1	-.0010	-.0001	-.0003	-.0009	-.0072	.0098	.0012	-.0136	-.0003
#2	.0020	-.0003	.0000	-.0008	-.0050	.0300	-.0023	-.0244	-.0003
#3	-.0007	-.0002	-.0003	-.0006	-.0041	.0196	.0005	-.0062	-.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**-.0542**	**-.0003**	**.0002**	**-.0007**	**-.0050**	**.0001**	**-.0021**	**-.0093**
Stddev	.0001	.0100	.0002	.0004	.0002	.0007	.0010	.0005	.0010
%RSD	56.11	18.42	57.40	255.4	32.27	14.40	745.3	21.70	10.63
#1	-.0001	-.0449	-.0003	-.0001	-.0004	-.0053	-.0001	-.0017	-.0101
#2	-.0003	-.0647	-.0001	-.0001	-.0008	-.0056	-.0008	-.0020	-.0097
#3	-.0003	-.0531	-.0004	.0006	-.0008	-.0042	.0013	-.0026	-.0082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: CCB 7 Acquired: 10/20/2025 10:55:46 Type: QC
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0005**	**-.0005**	**-.0001**	**-.0009**	**-.0003**	**-.0008**	**-.0006**	**-.0002**
Stddev	.0007	.0000	.0003	.0009	.0001	.0011	.0001	.0001
%RSD	137.2	1.293	286.1	103.8	22.82	139.8	13.13	36.23
#1	-.0007	-.0005	-.0001	-.0009	-.0004	.0000	-.0007	-.0003
#2	.0003	-.0005	.0002	-.0018	-.0002	-.0003	-.0005	-.0002
#3	-.0012	-.0005	-.0005	.0000	-.0002	-.0020	-.0007	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**20763.**	**238200.**	**36123.**	**9726.7**
Stddev	29.	1163.	126.	25.8
%RSD	.13901	.48831	.34813	.26475
#1	20739.	236980.	36242.	9697.0
#2	20795.	238310.	35991.	9742.7
#3	20755.	239300.	36136.	9740.5

Inst QC: MA59582

Zoom In / Zoom Out

Sample Name: CRI Acquired: 10/20/2025 11:02:07 Type: QC
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0050**	**.1998**	**.0091**	**.1040**	**.2132**	**.0021**	**.0230**	**5.305**	**.0031**
Stddev	.0004	.0097	.0007	.0002	.0002	.0000	.0018	.007	.0001
%RSD	7.683	4.873	7.610	.1487	.1019	1.366	7.741	.1264	3.308
#1	.0054	.1911	.0092	.1039	.2130	.0021	.0209	5.301	.0029
#2	.0049	.2103	.0098	.1042	.2132	.0020	.0240	5.303	.0031
#3	.0046	.1978	.0084	.1040	.2134	.0021	.0241	5.313	.0031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0024**	**.0512**	**.0105**	**.0093**	**.1042**	**5.198**	**.0523**	**5.354**	**.0158**
Stddev	.0001	.0001	.0000	.0005	.0004	.040	.0028	.005	.0003
%RSD	4.048	.1731	.3282	4.930	.4186	.7781	5.349	.0863	1.646
#1	.0023	.0512	.0106	.0090	.1045	5.189	.0496	5.359	.0157
#2	.0025	.0513	.0105	.0098	.1044	5.162	.0522	5.350	.0161
#3	.0024	.0511	.0105	.0090	.1037	5.242	.0552	5.354	.0156
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0219**	**5.300**	**.0106**	**.0511**	**.0036**	**.0504**	F **.0074**	**.0107**	**.1988**
Stddev	.0001	.002	.0001	.0006	.0006	.0015	.0002	.0006	.0010
%RSD	.6680	.0370	1.187	1.181	16.27	3.055	3.267	5.284	.5154
#1	.0218	5.301	.0105	.0518	.0039	.0518	.0072	.0102	.1983
#2	.0218	5.298	.0105	.0507	.0040	.0506	.0073	.0113	.1982
#3	.0220	5.300	.0107	.0507	.0029	.0488	.0077	.0105	.2000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value							.0060		
Range							20.00%		

Zoom In / Zoom Out

Sample Name: CRI Acquired: 10/20/2025 11:02:07 Type: QC
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0099**	**.0103**	**.0103**	**.0102**	**.0514**	**.0510**	**.0220**	**.0102**
Stddev	.0003	.0000	.0004	.0003	.0006	.0008	.0001	.0001
%RSD	3.315	.2644	3.728	2.537	1.196	1.601	.3624	.5762
#1	.0097	.0103	.0105	.0102	.0511	.0517	.0219	.0102
#2	.0102	.0103	.0106	.0105	.0521	.0511	.0219	.0103
#3	.0097	.0103	.0099	.0100	.0510	.0501	.0221	.0102
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**20440.**	**237710.**	**35952.**	**9608.4**
Stddev	40.	2712.	166.	28.9
%RSD	.19612	1.1409	.46086	.30028
#1	20438.	238300.	36120.	9623.7
#2	20481.	234750.	35946.	9626.5
#3	20401.	240080.	35789.	9575.2

Zoom In / Zoom Out

Sample Name: CRID Acquired: 10/20/2025 11:07:04 Type: QC
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0011**	**.0889**	**.0032**	**-.0004**	**.0037**	F **.0006**	**.0004**	**1.029**	F **.0007**
Stddev	.0004	.0027	.0007	.0001	.0002	.0000	.0007	.004	.0001
%RSD	33.87	3.025	20.38	20.66	4.858	4.985	165.2	.3386	15.25
#1	-.0012	.0912	.0034	-.0005	.0037	.0006	.0011	1.032	.0005
#2	-.0015	.0897	.0025	-.0003	.0035	.0006	.0004	1.028	.0007
#3	-.0007	.0860	.0038	-.0004	.0039	.0006	-.0003	1.025	.0007
Check ?	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	None	Chk Pass	Chk Fail
Value						.0010			.0010
Range						-20.00%			-20.00%

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0046**	**.0030**	**.0018**	**-.0010**	**-.0097**	**2.050**	**-.0000**	**.0948**	**.0028**
Stddev	.0024	.0001	.0003	.0002	.0006	.059	.0025	.0057	.0001
%RSD	52.77	3.146	17.04	22.04	5.822	2.898	12110.	5.989	2.386
#1	-.0021	.0029	.0016	-.0008	-.0092	2.082	.0007	.0947	.0028
#2	-.0069	.0031	.0022	-.0010	-.0103	1.981	.0020	.0892	.0028
#3	-.0048	.0030	.0017	-.0012	-.0098	2.086	-.0028	.1006	.0027
Check ?	None	Chk Pass	Chk Pass	None	None	Chk Pass	None	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0003**	**1.009**	**.0038**	**.0005**	**-.0007**	**-.0050**	**.0005**	**.0049**	**-.0119**
Stddev	.0002	.012	.0002	.0002	.0009	.0009	.0003	.0012	.0012
%RSD	69.49	1.141	4.625	41.46	128.0	17.39	60.11	23.80	10.38
#1	-.0002	1.022	.0040	.0003	.0003	-.0053	.0008	.0045	-.0106
#2	-.0005	1.005	.0038	.0007	-.0015	-.0057	.0002	.0063	-.0130
#3	-.0002	1.000	.0036	.0004	-.0011	-.0040	.0006	.0041	-.0120
Check ?	None	Chk Pass	Chk Pass	None	None	None	None	Chk Pass	None
Value									
Range									

Zoom In / Zoom Out

Sample Name: CRID Acquired: 10/20/2025 11:07:04 Type: QC
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0007**	**-.0005**	**-.0005**	F **.0009**	**.0019**	**-.0016**	**.0106**	**-.0004**
Stddev	.0003	.0001	.0002	.0003	.0000	.0006	.0001	.0001
%RSD	41.88	9.641	35.02	29.87	1.218	35.04	.9721	26.95
#1	-.0009	-.0005	-.0007	.0006	.0019	-.0021	.0107	-.0004
#2	-.0004	-.0005	-.0004	.0012	.0018	-.0016	.0105	-.0003
#3	-.0008	-.0006	-.0004	.0009	.0019	-.0010	.0106	-.0005
Check ?	None	None	None	Chk Fail	Chk Pass	None	Chk Pass	None
Value				.0020				
Range				-20.00%				

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**20656.**	**238750.**	**36111.**	**9647.1**
Stddev	21.	1895.	193.	12.6
%RSD	.09997	.79363	.53578	.13062
#1	20677.	237570.	35906.	9661.6
#2	20655.	237750.	36136.	9638.2
#3	20636.	240940.	36290.	9641.6

Zoom In Zoom Out

Sample Name: ICSA Acquired: 10/20/2025 11:12:04 Type: QC
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**503.6**	**-.0010**	**-.0038**	**-.0074**	**-.0003**	**-.0004**	**394.2**	**-.0024**
Stddev	.0002	10.2	.0005	.0003	.0001	.0000	.0002	8.7	.0002
%RSD	93.07	2.021	47.43	8.349	.8496	7.132	53.14	2.199	10.15
#1	-.0000	515.1	-.0013	-.0041	-.0074	-.0004	-.0007	403.0	-.0027
#2	.0004	495.9	-.0004	-.0037	-.0074	-.0003	-.0004	393.9	-.0023
#3	.0003	499.8	-.0012	-.0035	-.0073	-.0003	-.0002	385.7	-.0022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0150**	**-.0029**	**-.0002**	**.0048**	**188.7**	**.0975**	**-.0027**	**498.0**	**-.0029**
Stddev	.0024	.0001	.0002	.0003	1.5	.0600	.0011	.4	.0001
%RSD	16.24	3.538	85.74	5.293	.7681	61.55	41.93	.0814	1.898
#1	.0128	-.0029	-.0001	.0045	187.3	.0287	-.0035	498.3	-.0028
#2	.0176	-.0029	-.0002	.0049	188.8	.1390	-.0014	497.5	-.0029
#3	.0145	-.0031	-.0004	.0050	190.2	.1248	-.0031	498.1	-.0029
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0047**	**-.0197**	**.0000**	**-.0124**	**.0003**	**-.0136**	**-.0002**	**-.0038**	**-.0078**
Stddev	.0007	.0086	.0004	.0013	.0004	.0013	.0011	.0065	.0016
%RSD	14.99	43.74	1421.	10.23	122.4	9.827	604.6	169.8	20.47
#1	-.0055	-.0264	-.0001	-.0127	.0007	-.0120	-.0015	-.0109	-.0067
#2	-.0043	-.0100	.0004	-.0110	.0000	-.0145	.0007	-.0027	-.0097
#3	-.0043	-.0226	-.0003	-.0134	.0001	-.0141	.0002	.0020	-.0071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ICSA Acquired: 10/20/2025 11:12:04 Type: QC
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0020**	**-.0013**	**-.0010**	**.0033**	**-.0018**	**-.0041**	**-.0035**	**.0010**
Stddev	.0005	.0000	.0003	.0010	.0001	.0010	.0002	.0001
%RSD	23.93	1.448	27.87	29.72	5.726	25.49	5.451	8.321
#1	-.0025	-.0013	-.0013	.0043	-.0019	-.0046	-.0037	.0009
#2	-.0016	-.0013	-.0010	.0031	-.0017	-.0048	-.0033	.0009
#3	-.0019	-.0013	-.0007	.0024	-.0018	-.0029	-.0035	.0011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**17682.**	**207270.**	**34578.**	**8749.4**
Stddev	33.	2670.	60.	25.7
%RSD	.18812	1.2883	.17229	.29353
#1	17719.	208130.	34512.	8777.9
#2	17675.	209390.	34628.	8742.5
#3	17653.	204270.	34594.	8727.9

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 10/20/2025 11:17:23 Type: QC
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.107**	**505.6**	**1.009**	**.5037**	**.5096**	**.5041**	**.5092**	**385.1**	**1.043**
Stddev	.012	2.2	.001	.0010	.0006	.0013	.0024	.5	.002
%RSD	1.096	.4277	.0939	.1982	.1256	.2507	.4696	.1190	.1481
#1	1.110	507.0	1.008	.5027	.5102	.5046	.5117	385.0	1.041
#2	1.094	506.7	1.010	.5038	.5090	.5026	.5070	384.7	1.044
#3	1.118	503.1	1.009	.5047	.5097	.5049	.5089	385.6	1.044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5297**	**.4833**	**.4751**	**.5381**	**189.3**	**.1420**	**.5548**	**494.5**	**.5000**
Stddev	.0050	.0002	.0057	.0070	.9	.0345	.0010	.4	.0051
%RSD	.9419	.0509	1.196	1.299	.4919	24.27	.1748	.0803	1.021
#1	.5281	.4832	.4763	.5398	188.7	.1038	.5559	494.0	.5010
#2	.5257	.4832	.4689	.5304	190.4	.1709	.5543	494.6	.4944
#3	.5353	.4836	.4801	.5441	188.9	.1513	.5542	494.7	.5045
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4924**	**-.0508**	**.9884**	**.5171**	**.9109**	**.4853**	**1.034**	**1.006**	**.4881**
Stddev	.0007	.0103	.0005	.0013	.0002	.0060	.002	.001	.0016
%RSD	.1372	20.28	.0554	.2479	.0268	1.237	.1982	.0716	.3220
#1	.4919	-.0529	.9877	.5160	.9108	.4818	1.032	1.006	.4899
#2	.4921	-.0396	.9888	.5185	.9111	.4818	1.034	1.007	.4875
#3	.4932	-.0599	.9886	.5169	.9107	.4922	1.036	1.006	.4869
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 10/20/2025 11:17:23 Type: QC
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4800**	**.5112**	**.4941**	**.9569**	**.4909**	**.4736**	**.9540**	**.4788**
Stddev	.0005	.0012	.0065	.0025	.0053	.0016	.0006	.0058
%RSD	.1124	.2294	1.307	.2611	1.087	.3403	.0601	1.217
#1	.4797	.5120	.4959	.9553	.4920	.4741	.9547	.4801
#2	.4806	.5098	.4870	.9557	.4851	.4750	.9536	.4725
#3	.4796	.5117	.4996	.9598	.4956	.4718	.9538	.4839
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**17682.**	**209310.**	**34677.**	**8742.3**
Stddev	15.	3074.	19.	6.8
%RSD	.08324	1.4688	.05392	.07781
#1	17665.	208810.	34677.	8734.6
#2	17692.	212610.	34659.	8747.3
#3	17689.	206520.	34696.	8745.1

Inst QC: MA59582

Zoom In / Zoom Out

Sample Name: HSTD Acquired: 10/20/2025 11:22:39 Type: QC
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6233**	**.2409**	**7.847**	**7.852**	**8.122**	**7.864**	**8.160**	**.1085**	**7.924**
Stddev	.0034	.0703	.006	.002	.137	.122	.011	.0710	.006
%RSD	.5528	29.19	.0755	.0276	1.690	1.550	.1364	65.43	.0742
#1	.6271	.3104	7.841	7.850	8.280	7.927	8.149	.1797	7.917
#2	.6225	.2425	7.850	7.854	8.050	7.724	8.171	.1082	7.926
#3	.6203	.1698	7.852	7.852	8.035	7.942	8.162	.0377	7.928
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0170**	**7.765**	**7.794**	**7.849**	**.0798**	**.3662**	**7.974**	**.5973**	**7.694**
Stddev	.0033	.003	.093	.088	.0313	.0463	.014	.0914	.128
%RSD	19.61	.0330	1.196	1.123	39.28	12.65	.1808	15.30	1.665
#1	.0182	7.763	7.876	7.930	.1114	.3129	7.966	.6912	7.814
#2	.0195	7.764	7.813	7.862	.0792	.3887	7.990	.5922	7.709
#3	.0132	7.768	7.693	7.755	.0488	.3971	7.964	.5086	7.559
Check ?	None	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass	None	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.049**	**.0426**	**7.826**	**8.009**	**7.924**	**98.53**	**8.063**	**7.942**	**25.24**
Stddev	.011	.0133	.003	.005	.004	.09	.013	.012	.03
%RSD	.1308	31.27	.0343	.0619	.0502	.0915	.1632	.1467	.1101
#1	8.037	.0479	7.827	8.003	7.920	98.43	8.048	7.941	25.22
#2	8.057	.0274	7.822	8.013	7.922	98.53	8.073	7.954	25.23
#3	8.052	.0524	7.827	8.011	7.928	98.61	8.068	7.931	25.27
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In / Zoom Out

Sample Name: HSTD Acquired: 10/20/2025 11:22:39 Type: QC
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.245**	**8.058**	**7.759**	**7.792**	**7.666**	**8.064**	**8.114**	**7.689**
Stddev	.007	.092	.055	.009	.106	.005	.007	.137
%RSD	.0901	1.148	.7080	.1223	1.386	.0569	.0872	1.781
#1	8.237	8.164	7.798	7.802	7.767	8.058	8.111	7.706
#2	8.250	7.992	7.783	7.783	7.555	8.067	8.109	7.817
#3	8.249	8.018	7.696	7.792	7.676	8.065	8.122	7.544
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**20410.**	**239770.**	**36087.**	**9477.8**
Stddev	15.	1994.	45.	5.2
%RSD	.07150	.83186	.12393	.05474
#1	20393.	237920.	36036.	9479.5
#2	20414.	239500.	36102.	9471.9
#3	20422.	241880.	36121.	9481.9

Zoom In / Zoom Out

Sample Name: HSTD Acquired: 10/20/2025 11:28:48 Type: QC
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**296.9**	**.0025**	**.0105**	**-.0029**	**.0014**	**-.0001**	**198.5**	**.0012**
Stddev	.0003	.6	.0009	.0011	.0001	.0000	.0015	4.2	.0002
%RSD	129.2	.1958	36.10	10.35	3.787	3.245	1097.	2.105	19.54
#1	.0000	297.1	.0035	.0093	-.0030	.0015	-.0010	203.1	.0010
#2	.0005	297.4	.0021	.0115	-.0029	.0014	-.0010	194.9	.0012
#3	.0001	296.3	.0018	.0107	-.0029	.0014	.0016	197.4	.0015
Check ?	None	Chk Pass	None	None	None	None	None	Chk Pass	None
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0192**	**.0018**	**.0022**	**.0072**	**190.2**	**196.4**	**.0139**	**297.9**	**-.0006**
Stddev	.0012	.0003	.0001	.0004	3.5	.6	.0032	1.3	.0000
%RSD	6.139	15.69	5.370	5.178	1.827	.2895	23.14	.4495	1.711
#1	.0206	.0021	.0023	.0075	190.8	196.7	.0102	298.8	-.0007
#2	.0187	.0016	.0021	.0068	186.5	195.7	.0155	296.3	-.0006
#3	.0184	.0017	.0022	.0074	193.4	196.7	.0160	298.4	-.0006
Check ?	None	None	None	None	Chk Pass	Chk Pass	None	Chk Pass	None
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007**	**201.9**	**.0026**	**-.0017**	**.0018**	**.0147**	**.0104**	**.0057**	**.0419**
Stddev	.0005	4.9	.0002	.0010	.0002	.0025	.0003	.0015	.0007
%RSD	77.19	2.439	7.763	62.16	10.83	16.85	3.258	25.85	1.719
#1	.0003	198.7	.0024	-.0023	.0017	.0118	.0100	.0068	.0428
#2	.0013	199.4	.0026	-.0022	.0017	.0161	.0106	.0040	.0414
#3	.0005	207.6	.0028	-.0005	.0021	.0161	.0105	.0063	.0417
Check ?	None	Chk Pass	None	None	None	None	None	None	None
Value									
Range									

Zoom In / Zoom Out

Sample Name: HSTD Acquired: 10/20/2025 11:28:48 Type: QC
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0015**	**.0004**	**.0008**	**.0065**	**.0000**	**-.0038**	**-.0015**	**.0024**
Stddev	.0005	.0001	.0002	.0006	.0002	.0004	.0001	.0001
%RSD	34.57	31.12	20.24	9.843	566.6	11.79	7.926	4.227
#1	-.0012	.0005	.0008	.0059	-.0002	-.0036	-.0016	.0025
#2	-.0012	.0004	.0006	.0065	.0002	-.0043	-.0016	.0023
#3	-.0021	.0003	.0010	.0071	.0000	-.0035	-.0014	.0024
Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**17777.**	**211320.**	**34611.**	**8840.0**
Stddev	21.	3108.	472.	7.5
%RSD	.11879	1.4708	1.3631	.08449
#1	17776.	211510.	34434.	8840.6
#2	17798.	214330.	35145.	8847.2
#3	17756.	208120.	34253.	8832.3

Zoom In Zoom Out

Sample Name: FECONF Acquired: 10/20/2025 11:34:17 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**.0382**	**.0006**	**.0040**	**.0000**	**.0003**	**-.0039**	**.0365**	**-.0000**
Stddev	.0004	.0112	.0007	.0010	.0002	.0001	.0014	.0085	.0002
%RSD	106700.	29.30	114.6	25.40	1281.	27.19	36.90	23.37	1277.
#1	.0002	.0283	.0012	.0044	.0002	.0003	-.0048	.0440	.0002
#2	.0002	.0504	.0007	.0029	-.0000	.0004	-.0047	.0385	-.0001
#3	-.0004	.0360	-.0001	.0048	-.0002	.0002	-.0022	.0272	-.0001

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0140**	**.0004**	**.0014**	**.0054**	**198.4**	**.4730**	**.0048**	**.0835**	**-.0010**
Stddev	.0039	.0001	.0001	.0011	4.0	.0710	.0019	.0028	.0001
%RSD	27.99	21.46	4.859	19.66	2.018	15.01	39.10	3.342	7.128
#1	.0111	.0004	.0015	.0065	201.8	.5430	.0066	.0866	-.0010
#2	.0184	.0003	.0014	.0044	194.0	.4752	.0028	.0812	-.0009
#3	.0124	.0004	.0013	.0052	199.5	.4010	.0050	.0827	-.0010

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0011**	**.1626**	**.0001**	**.0028**	**.0010**	**.0031**	**.0004**	**.0004**	**.0177**
Stddev	.0004	.0171	.0004	.0011	.0005	.0012	.0009	.0004	.0007
%RSD	37.52	10.53	596.4	38.15	53.72	38.26	203.3	107.7	4.202
#1	-.0006	.1757	-.0002	.0036	.0010	.0040	.0003	.0006	.0168
#2	-.0014	.1688	.0005	.0033	.0015	.0018	.0014	-.0001	.0183
#3	-.0012	.1432	-.0001	.0016	.0005	.0036	-.0004	.0006	.0179

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0005**	**.0002**	**.0003**	**-.0003**	**-.0007**	**-.0080**	**-.0030**	**.0014**
Stddev	.0003	.0001	.0002	.0010	.0002	.0002	.0000	.0001
%RSD	56.02	54.04	67.56	406.0	23.83	2.941	.3609	6.279
#1	-.0002	.0003	.0005	.0009	-.0009	-.0079	-.0030	.0013
#2	-.0007	.0001	.0003	-.0009	-.0006	-.0078	-.0030	.0014
#3	-.0006	.0002	.0001	-.0008	-.0007	-.0082	-.0030	.0015

Zoom In Zoom Out

Sample Name: FECONF Acquired: 10/20/2025 11:34:17 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**20848.**	**238790.**	**35991.**	**9613.6**
Stddev	36.	1973.	119.	25.7
%RSD	.17471	.82637	.33183	.26753
#1	20814.	240150.	35920.	9586.8
#2	20843.	236520.	36128.	9615.8
#3	20886.	239690.	35923.	9638.1

Zoom In Zoom Out

Sample Name: ALCONF Acquired: 10/20/2025 11:39:26 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0010**	**F 481.4**	**-.0003**	**.0023**	**-.0060**	**-.0001**	**.0017**	**-.0423**	**.0001**
Stddev	.0004	8.1	.0008	.0006	.0004	.0000	.0010	.0008	.0000
%RSD	45.35	1.685	250.9	24.82	6.057	34.36	60.70	1.977	49.47
#1	-.0009	477.2	-.0011	.0019	-.0057	-.0002	.0029	-.0417	.0001
#2	-.0006	490.7	.0005	.0029	-.0064	-.0002	.0009	-.0433	.0002
#3	-.0014	476.2	-.0003	.0020	-.0059	-.0001	.0013	-.0420	.0001

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0036**	**-.0004**	**-.0002**	**-.0030**	**.0037**	**.0953**	**.0014**	**-.0116**	**-.0001**
Stddev	.0009	.0001	.0001	.0004	.0015	.0261	.0028	.0046	.0000
%RSD	24.79	24.91	36.38	12.48	39.68	27.39	203.5	39.73	20.54
#1	-.0027	-.0005	-.0003	-.0033	.0021	.0989	.0045	-.0150	-.0001
#2	-.0035	-.0003	-.0001	-.0031	.0050	.1194	-.0009	-.0134	-.0001
#3	-.0045	-.0003	-.0003	-.0026	.0039	.0676	.0006	-.0063	-.0001

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0026**	**-.0081**	**-.0008**	**-.0134**	**.0009**	**-.0068**	**.0009**	**-.0023**	**.0134**
Stddev	.0003	.0161	.0001	.0002	.0011	.0022	.0010	.0009	.0004
%RSD	10.18	198.6	13.46	1.498	125.8	32.35	109.3	39.48	2.630
#1	-.0028	.0105	-.0009	-.0133	.0006	-.0057	.0013	-.0034	.0135
#2	-.0023	-.0185	-.0008	-.0132	.0021	-.0094	-.0002	-.0020	.0130
#3	-.0026	-.0163	-.0007	-.0136	-.0001	-.0054	.0015	-.0017	.0136

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0011**	**-.0006**	**-.0002**	**.0019**	**-.0004**	**-.0031**	**-.0004**	**-.0003**
Stddev	.0008	.0001	.0002	.0003	.0001	.0012	.0001	.0001
%RSD	74.30	11.22	113.1	15.65	33.17	37.79	30.61	18.64
#1	-.0017	-.0005	.0000	.0018	-.0002	-.0041	-.0004	-.0004
#2	-.0002	-.0006	-.0002	.0022	-.0004	-.0034	-.0003	-.0003
#3	-.0016	-.0006	-.0003	.0016	-.0004	-.0018	-.0006	-.0003

Zoom In Zoom Out

Sample Name: ALCONF Acquired: 10/20/2025 11:39:26 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**19497.**	**224930.**	**37211.**	**9926.1**
Stddev	46.	4538.	44.	29.9
%RSD	.23339	2.0173	.11950	.30169
#1	19476.	227220.	37227.	9903.5
#2	19549.	227870.	37246.	9960.1
#3	19465.	219710.	37161.	9914.8

Zoom In Zoom Out

Sample Name: CACONF Acquired: 10/20/2025 11:44:30 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0013**	**.0874**	**.0020**	**-.0042**	**.0000**	**-.0007**	**.0005**	F **398.5**
Stddev	.0002	.0017	.0003	.0006	.0003	.0001	.0010	1.6
%RSD	12.86	1.910	12.82	13.85	907.2	9.478	205.8	.3893
#1	-.0011	.0890	.0018	-.0042	.0004	-.0008	.0006	398.0
#2	-.0013	.0874	.0023	-.0036	-.0001	-.0007	.0015	400.2
#3	-.0015	.0857	.0019	-.0048	-.0002	-.0006	-.0006	397.3

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0039**	**-.0022**	**-.0009**	**.0021**	**.0021**	**.0675**	**-.0044**
Stddev	.0002	.0022	.0001	.0001	.0003	.0011	.0206	.0023
%RSD	36.11	55.44	4.145	11.26	16.04	52.01	30.46	52.85
#1	.0006	.0026	-.0022	-.0008	.0021	.0020	.0823	-.0070
#2	.0005	.0027	-.0022	-.0010	.0017	.0032	.0763	-.0026
#3	.0003	.0064	-.0021	-.0010	.0024	.0010	.0440	-.0036

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0032**	**-.0004**	**-.0009**	**-.0330**	**-.0006**	**.0024**	F **-.0038**	**.0224**
Stddev	.0042	.0000	.0002	.0112	.0000	.0006	.0013	.0023
%RSD	129.5	2.084	23.07	34.01	7.572	25.07	34.10	10.09
#1	-.0069	-.0004	-.0007	-.0294	-.0007	.0024	-.0024	.0203
#2	.0013	-.0004	-.0011	-.0455	-.0006	.0031	-.0042	.0248
#3	-.0041	-.0004	-.0009	-.0240	-.0006	.0018	-.0049	.0221

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0029**	**-.0008**	**.0263**	**-.0026**	**-.0003**	**-.0013**	**.0042**	**-.0000**
Stddev	.0007	.0014	.0005	.0003	.0000	.0001	.0011	.0001
%RSD	24.66	161.9	2.045	11.88	14.26	9.563	25.20	245.3
#1	.0036	.0006	.0265	-.0024	-.0003	-.0013	.0035	.0001
#2	.0029	-.0021	.0268	-.0024	-.0003	-.0012	.0038	-.0001
#3	.0022	-.0011	.0257	-.0029	-.0004	-.0014	.0055	-.0001

Zoom In Zoom Out

Sample Name: CACONF Acquired: 10/20/2025 11:44:30 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.0022**	**.0025**	**-.0003**
Stddev	.0010	.0001	.0002
%RSD	45.85	3.392	61.53
#1	-.0033	.0024	-.0003
#2	-.0012	.0025	-.0001
#3	-.0021	.0025	-.0005

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**18862.**	**221560.**	**35086.**	**9110.8**
Stddev	28.	2200.	290.	7.9
%RSD	.14724	.99288	.82549	.08667
#1	18890.	221610.	35039.	9119.2
#2	18834.	223740.	34823.	9103.5
#3	18863.	219340.	35397.	9109.7

Zoom In Zoom Out

Sample Name: VCONF Acquired: 10/20/2025 11:49:39 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0141**	**-.0001**	**-.0109**	**-.0008**	**.0184**	**-.0032**	**.1372**	**-.0002**
Stddev	.0003	.0053	.0005	.0002	.0002	.0001	.0006	.0251	.0001
%RSD	644.4	37.55	388.8	1.614	32.32	.4077	17.99	18.32	58.94
#1	.0000	.0173	.0002	-.0109	-.0007	.0184	-.0030	.1317	-.0002
#2	-.0004	.0080	-.0007	-.0108	-.0005	.0184	-.0028	.1646	-.0001
#3	.0002	.0170	.0001	-.0111	-.0010	.0183	-.0039	.1152	-.0004

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0096**	**-.0003**	**-.0003**	**-.0019**	**-.0020**	**.0687**	**-.0061**	**-.0070**	**-.0005**
Stddev	.0017	.0001	.0001	.0002	.0011	.0084	.0012	.0035	.0000
%RSD	18.15	40.70	36.03	11.85	57.19	12.18	20.03	49.60	1.654
#1	-.0108	-.0001	-.0002	-.0021	-.0007	.0683	-.0054	-.0057	-.0005
#2	-.0105	-.0003	-.0002	-.0017	-.0025	.0605	-.0075	-.0043	-.0005
#3	-.0076	-.0003	-.0004	-.0019	-.0028	.0773	-.0054	-.0109	-.0005

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0005**	**.0076**	**-.0001**	**-.0018**	**-.0010**	**-.0039**	**-.0051**	**.0016**	**.0552**
Stddev	.0003	.0078	.0002	.0004	.0011	.0003	.0010	.0019	.0024
%RSD	70.83	103.1	353.5	22.97	114.0	7.425	19.42	119.5	4.309
#1	-.0008	.0005	-.0003	-.0022	.0001	-.0040	-.0063	.0027	.0527
#2	-.0004	.0160	.0001	-.0018	-.0008	-.0042	-.0046	.0027	.0574
#3	-.0002	.0063	-.0000	-.0014	-.0022	-.0036	-.0046	-.0006	.0556

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0006**	**-.0007**	**.0002**	**-.0060**	F **9.834**	**-.0016**	**-.0007**	**-.0002**
Stddev	.0003	.0000	.0002	.0011	.112	.0005	.0001	.0000
%RSD	51.44	3.175	147.9	18.77	1.139	31.11	12.87	18.09
#1	-.0003	-.0007	.0000	-.0050	9.939	-.0016	-.0006	-.0003
#2	-.0008	-.0007	.0000	-.0073	9.716	-.0011	-.0007	-.0002
#3	-.0006	-.0006	.0004	-.0058	9.848	-.0021	-.0007	-.0002

Zoom In Zoom Out

Sample Name: VCONF Acquired: 10/20/2025 11:49:39 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**20702.**	**239800.**	**36029.**	**9680.7**
Stddev	38.	917.	245.	20.7
%RSD	.18476	.38240	.67896	.21368
#1	20745.	238890.	36187.	9704.5
#2	20673.	240730.	35747.	9670.8
#3	20688.	239780.	36154.	9666.8

Zoom In Zoom Out

Sample Name: CCV Acquired: 10/20/2025 11:54:51 Type: QC
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2439**	**40.06**	**2.036**	**2.042**	**2.080**	**2.060**	**2.033**	**41.25**	**2.057**
Stddev	.0017	.05	.003	.002	.004	.007	.002	.04	.002
%RSD	.6962	.1366	.1390	.0766	.1683	.3445	.1049	.0944	.0888
#1	.2426	40.08	2.034	2.043	2.076	2.052	2.035	41.22	2.059
#2	.2432	40.00	2.034	2.040	2.083	2.066	2.031	41.24	2.057
#3	.2458	40.10	2.039	2.042	2.082	2.062	2.032	41.29	2.056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.030**	**2.016**	**2.034**	**2.039**	**40.51**	**39.77**	**2.033**	**40.45**	**2.029**
Stddev	.015	.000	.016	.015	.10	.08	.007	.08	.021
%RSD	.7159	.0201	.7616	.7397	.2390	.1908	.3432	.1877	1.052
#1	2.021	2.016	2.021	2.028	40.43	39.72	2.027	40.40	2.011
#2	2.022	2.016	2.029	2.033	40.48	39.73	2.041	40.42	2.023
#3	2.046	2.017	2.051	2.056	40.62	39.86	2.032	40.54	2.053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.061**	**40.58**	**2.037**	**2.053**	**2.030**	**2.021**	**2.059**	**2.055**	**5.013**
Stddev	.002	.05	.001	.002	.002	.002	.001	.001	.004
%RSD	.0764	.1279	.0564	.0767	.1184	.1200	.0692	.0539	.0701
#1	2.063	40.56	2.037	2.053	2.029	2.023	2.061	2.055	5.016
#2	2.060	40.53	2.035	2.051	2.028	2.021	2.060	2.054	5.009
#3	2.061	40.63	2.038	2.053	2.033	2.018	2.058	2.056	5.013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: CCV Acquired: 10/20/2025 11:54:51 Type: QC
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.083**	**2.044**	**2.026**	**2.032**	**2.002**	**2.000**	**2.069**	**2.017**
Stddev	.003	.008	.016	.004	.014	.001	.002	.014
%RSD	.1399	.3802	.8067	.1755	.6786	.0243	.0726	.7010
#1	2.086	2.035	2.013	2.028	1.993	2.000	2.069	2.006
#2	2.081	2.050	2.021	2.034	1.995	2.000	2.067	2.013
#3	2.083	2.047	2.045	2.034	2.018	1.999	2.070	2.033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**19437.**	**231720.**	**35714.**	**9429.5**
Stddev	19.	2588.	57.	2.5
%RSD	.09668	1.1167	.16090	.02646
#1	19458.	234190.	35737.	9432.1
#2	19430.	231930.	35648.	9427.2
#3	19423.	229030.	35756.	9429.2

Zoom In Zoom Out

Sample Name: CCB Acquired: 10/20/2025 12:00:01 Type: QC
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**.0110**	**.0010**	**.0018**	**.0007**	**.0008**	**-.0002**	**.0085**	**.0004**
Stddev	.0002	.0124	.0004	.0005	.0001	.0001	.0005	.0025	.0002
%RSD	3370.	113.2	39.48	25.80	18.27	8.801	274.5	29.25	42.26
#1	.0001	.0246	.0006	.0018	.0006	.0008	-.0003	.0066	.0006
#2	-.0002	.0001	.0009	.0023	.0008	.0007	-.0006	.0076	.0003
#3	.0002	.0083	.0014	.0014	.0006	.0008	.0003	.0113	.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0005**	**.0006**	**.0006**	**.0005**	**.0138**	**.0888**	**.0001**	**.0129**	**.0007**
Stddev	.0029	.0002	.0001	.0001	.0001	.0344	.0031	.0084	.0001
%RSD	638.9	36.03	18.49	25.21	1.058	38.69	2989.	64.95	15.85
#1	.0019	.0008	.0007	.0004	.0138	.1270	.0011	.0218	.0007
#2	.0005	.0007	.0007	.0005	.0140	.0791	-.0033	.0052	.0008
#3	-.0038	.0004	.0005	.0007	.0137	.0604	.0026	.0116	.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**-.0112**	**.0005**	**.0013**	**.0009**	**-.0033**	**.0016**	**.0005**	**-.0044**
Stddev	.0002	.0036	.0001	.0002	.0006	.0014	.0002	.0009	.0009
%RSD	30.03	32.28	12.47	12.83	62.86	41.78	12.73	188.9	19.60
#1	.0007	-.0095	.0004	.0014	.0006	-.0024	.0014	-.0002	-.0035
#2	.0007	-.0153	.0005	.0011	.0015	-.0027	.0018	.0014	-.0046
#3	.0004	-.0087	.0005	.0014	.0006	-.0049	.0016	.0001	-.0051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: CCB Acquired: 10/20/2025 12:00:01 Type: QC
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0006**	**.0007**	**.0009**	**.0020**	**-.0018**	**.0001**	**.0007**
Stddev	.0003	.0001	.0001	.0009	.0003	.0010	.0001	.0002
%RSD	4484.	9.698	21.21	93.74	12.70	54.99	217.5	27.47
#1	.0001	.0006	.0005	.0007	.0021	-.0007	.0002	.0005
#2	-.0003	.0006	.0008	.0018	.0021	-.0022	.0001	.0007
#3	.0002	.0007	.0007	.0002	.0017	-.0026	-.0001	.0009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**20702.**	**240480.**	**36090.**	**9669.6**
Stddev	2.	2176.	157.	10.4
%RSD	.01053	.90474	.43584	.10788
#1	20704.	238400.	36198.	9681.6
#2	20703.	240300.	35910.	9664.0
#3	20700.	242740.	36163.	9663.1

Inst QC: MA59582

Zoom In Zoom Out

Sample Name: CRI Acquired: 10/20/2025 12:05:03 Type: QC
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0047**	**.2127**	**.0092**	**.1046**	**.2146**	**.0022**	**.0211**	**5.334**	**.0029**
Stddev	.0003	.0083	.0004	.0005	.0002	.0001	.0012	.007	.0002
%RSD	6.326	3.893	4.421	.5228	.0721	2.967	5.747	.1389	7.934
#1	.0046	.2222	.0091	.1044	.2145	.0023	.0197	5.326	.0028
#2	.0044	.2074	.0096	.1052	.2148	.0022	.0221	5.339	.0028
#3	.0050	.2085	.0088	.1041	.2145	.0022	.0215	5.339	.0032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0032**	**.0510**	**.0107**	**.0099**	**.1091**	**5.232**	**.0554**	**5.373**	**.0159**
Stddev	.0011	.0003	.0005	.0003	.0021	.015	.0016	.026	.0004
%RSD	35.15	.6555	4.928	3.261	1.940	.2870	2.922	.4908	2.685
#1	-.0025	.0512	.0113	.0098	.1101	5.231	.0541	5.346	.0162
#2	-.0045	.0506	.0107	.0102	.1106	5.217	.0550	5.376	.0161
#3	-.0026	.0511	.0102	.0096	.1067	5.247	.0572	5.398	.0154
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0213**	**5.330**	**.0104**	**.0511**	**.0028**	**.0517**	**.0065**	**.0112**	**.2020**
Stddev	.0001	.016	.0001	.0003	.0005	.0013	.0020	.0002	.0000
%RSD	.6788	.2994	1.382	.5320	18.11	2.527	30.13	2.173	.0121
#1	.0213	5.315	.0103	.0510	.0029	.0511	.0071	.0110	.2020
#2	.0212	5.329	.0105	.0514	.0023	.0508	.0044	.0114	.2021
#3	.0215	5.347	.0105	.0508	.0033	.0532	.0082	.0110	.2021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: CRI Acquired: 10/20/2025 12:05:03 Type: QC
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0098**	**.0105**	**.0101**	**.0104**	**.0520**	**.0489**	**.0219**	**.0101**
Stddev	.0005	.0001	.0005	.0006	.0015	.0006	.0000	.0004
%RSD	5.426	.8768	4.694	5.966	2.869	1.203	.1323	3.829
#1	.0100	.0105	.0104	.0097	.0527	.0484	.0219	.0103
#2	.0092	.0106	.0103	.0108	.0531	.0495	.0219	.0104
#3	.0101	.0104	.0095	.0107	.0503	.0489	.0220	.0097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**20398.**	**235260.**	**35929.**	**9586.4**
Stddev	12.	3181.	135.	4.9
%RSD	.06019	1.3522	.37476	.05145
#1	20384.	233680.	36057.	9584.3
#2	20403.	233170.	35788.	9592.1
#3	20407.	238920.	35942.	9582.9

Zoom In Zoom Out

Sample Name: CRID Acquired: 10/20/2025 12:10:01 Type: QC
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0008**	**.0943**	**.0030**	**-.0008**	**.0039**	F **.0006**	**.0018**	**1.040**	F **.0007**
Stddev	.0001	.0083	.0009	.0003	.0000	.0000	.0014	.003	.0001
%RSD	17.31	8.823	30.95	33.77	.9504	4.575	79.99	.2630	17.12
#1	-.0010	.0891	.0040	-.0005	.0038	.0006	.0017	1.041	.0007
#2	-.0008	.1039	.0022	-.0009	.0039	.0006	.0032	1.036	.0008
#3	-.0007	.0898	.0027	-.0009	.0039	.0007	.0004	1.041	.0006
Check ?	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	None	Chk Pass	Chk Fail
Value						.0010			.0010
Range						-20.00%			-20.00%

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0030**	**.0018**	**-.0009**	**-.0080**	**2.098**	**-.0008**	**.0994**	**.0028**
Stddev	.0016	.0001	.0001	.0003	.0014	.020	.0007	.0048	.0001
%RSD	1340.	2.055	6.303	32.91	17.11	.9567	87.13	4.867	1.914
#1	.0019	.0030	.0018	-.0012	-.0087	2.096	-.0011	.1035	.0028
#2	-.0003	.0031	.0017	-.0006	-.0090	2.078	-.0013	.1007	.0028
#3	-.0012	.0029	.0019	-.0010	-.0065	2.118	.0000	.0941	.0027
Check ?	None	Chk Pass	Chk Pass	None	None	Chk Pass	None	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**1.002**	**.0038**	**.0001**	**-.0003**	**-.0022**	**-.0004**	F **.0038**	**-.0100**
Stddev	.0001	.008	.0001	.0004	.0003	.0016	.0011	.0007	.0004
%RSD	22.97	.7988	3.809	422.3	98.37	73.07	302.9	19.78	3.628
#1	-.0002	1.011	.0037	.0004	-.0004	-.0018	-.0014	.0029	-.0101
#2	-.0002	.9978	.0039	-.0003	.0000	-.0009	-.0004	.0043	-.0097
#3	-.0003	.9967	.0039	.0001	-.0006	-.0041	.0008	.0041	-.0104
Check ?	None	Chk Pass	Chk Pass	None	None	None	None	Chk Fail	None
Value								.0050	
Range								-20.00%	

Zoom In Zoom Out

Sample Name: CRID Acquired: 10/20/2025 12:10:01 Type: QC
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0008**	**-.0006**	**-.0003**	**.0021**	**.0020**	**-.0028**	**.0107**	**-.0004**
Stddev	.0003	.0001	.0003	.0004	.0003	.0008	.0001	.0001
%RSD	34.46	9.800	99.31	18.39	13.76	29.79	.5856	17.32
#1	-.0011	-.0005	-.0003	.0024	.0020	-.0020	.0107	-.0004
#2	-.0006	-.0006	.0000	.0017	.0023	-.0036	.0106	-.0005
#3	-.0006	-.0006	-.0005	.0022	.0018	-.0028	.0107	-.0003
Check ?	None	None	None	Chk Pass	Chk Pass	None	Chk Pass	None
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**20620.**	**240030.**	**35992.**	**9647.8**
Stddev	28.	2271.	327.	16.6
%RSD	.13684	.94620	.90895	.17250
#1	20625.	241160.	36220.	9649.2
#2	20589.	237420.	35617.	9630.5
#3	20645.	241520.	36140.	9663.7

Zoom In Zoom Out

Sample Name: MP58040-MB1 1 Acquired: 10/20/2025 12:14:58 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0011**	**-.0052**	**.0002**	**.1753**	**-.0006**	**-.0004**	**.0003**	**-.0148**	**-.0005**
Stddev	.0002	.0110	.0008	.0007	.0001	.0000	.0004	.0005	.0001
%RSD	18.47	213.6	447.3	.4198	18.08	4.517	149.6	3.554	15.24
#1	-.0009	-.0146	.0008	.1760	-.0005	-.0004	.0006	-.0143	-.0005
#2	-.0013	.0069	.0004	.1745	-.0007	-.0004	-.0002	-.0148	-.0005
#3	-.0011	-.0078	-.0007	.1754	-.0006	-.0004	.0004	-.0153	-.0006

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0014**	**.0000**	**-.0004**	**-.0001**	**.0005**	**-.0195**	**-.0037**	**-.0182**	**-.0003**
Stddev	.0011	.0001	.0001	.0003	.0005	.0285	.0032	.0096	.0000
%RSD	81.95	425.3	21.65	167.3	102.2	146.1	87.32	52.50	7.203
#1	-.0020	-.0001	-.0004	-.0001	.0010	.0134	.0000	-.0263	-.0004
#2	-.0001	.0001	-.0005	-.0004	.0004	-.0373	-.0053	-.0077	-.0003
#3	-.0021	.0002	-.0003	.0001	.0000	-.0347	-.0057	-.0207	-.0003

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0004**	**-.0247**	**-.0003**	**.0039**	**-.0007**	**.0083**	**-.0017**	**-.0023**	**2.499**
Stddev	.0000	.0095	.0001	.0003	.0002	.0014	.0010	.0001	.002
%RSD	11.85	38.31	27.80	8.197	26.85	16.43	58.19	6.408	.0855
#1	-.0004	-.0179	-.0002	.0036	-.0007	.0067	-.0017	-.0022	2.499
#2	-.0003	-.0355	-.0002	.0042	-.0006	.0089	-.0027	-.0025	2.496
#3	-.0004	-.0207	-.0004	.0041	-.0009	.0092	-.0007	-.0023	2.500

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0005**	**-.0006**	**-.0005**	**.0007**	**-.0003**	**-.0011**	**.0016**	**-.0004**
Stddev	.0005	.0001	.0001	.0009	.0003	.0012	.0000	.0002
%RSD	89.24	15.01	12.46	115.3	81.58	105.2	1.482	61.28
#1	-.0000	-.0005	-.0005	.0001	-.0001	-.0020	.0015	-.0001
#2	-.0009	-.0007	-.0004	.0004	-.0006	-.0015	.0016	-.0005
#3	-.0006	-.0006	-.0006	.0017	-.0003	.0002	.0016	-.0004

Zoom In Zoom Out

Sample Name: MP58040-MB1 1 Acquired: 10/20/2025 12:14:58 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**20599.**	**232580.**	**35538.**	**9581.3**
Stddev	22.	1651.	207.	18.8
%RSD	.10611	.70968	.58239	.19591
#1	20624.	233890.	35712.	9602.8
#2	20584.	233110.	35309.	9567.9
#3	20589.	230720.	35594.	9573.3

Zoom In Zoom Out

Sample Name: MP58040-B1 Acquired: 10/20/2025 12:19:57 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0895**	**27.43**	**2.286**	**2.241**	**2.193**	**2.172**	**-.0033**	**28.30**	**2.215**
Stddev	.0014	.04	.005	.001	.007	.013	.0003	.07	.003
%RSD	1.523	.1638	.2286	.0546	.3017	.6143	10.50	.2554	.1339
#1	.0905	27.43	2.286	2.242	2.190	2.163	-.0029	28.25	2.214
#2	.0879	27.39	2.291	2.242	2.189	2.165	-.0033	28.26	2.218
#3	.0900	27.48	2.281	2.240	2.201	2.187	-.0036	28.38	2.213

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0038**	**2.119**	**2.167**	**2.166**	**27.67**	**27.31**	**-.0027**	**27.79**	**2.158**
Stddev	.0023	.002	.029	.033	.03	.07	.0011	.04	.019
%RSD	61.26	.0796	1.323	1.510	.0931	.2408	38.81	.1459	.8626
#1	.0037	2.119	2.186	2.186	27.64	27.29	-.0016	27.75	2.140
#2	.0061	2.121	2.134	2.128	27.67	27.26	-.0038	27.80	2.158
#3	.0015	2.118	2.182	2.183	27.69	27.39	-.0027	27.83	2.177

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.237**	**27.84**	**2.147**	**.0324**	**2.152**	**-.0172**	**2.294**	**2.266**	**1.140**
Stddev	.003	.04	.003	.0005	.002	.0023	.002	.003	.004
%RSD	.1269	.1425	.1262	1.547	.1012	13.49	.0704	.1200	.3159
#1	2.238	27.83	2.148	.0324	2.151	-.0172	2.293	2.268	1.139
#2	2.240	27.80	2.149	.0319	2.154	-.0150	2.296	2.266	1.144
#3	2.234	27.88	2.144	.0329	2.150	-.0196	2.293	2.263	1.136

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.300**	**2.163**	**2.214**	**2.171**	**2.122**	**1.958**	**2.220**	**2.195**
Stddev	.003	.071	.027	.004	.027	.004	.005	.029
%RSD	.1263	3.278	1.237	.1823	1.253	.2212	.2161	1.329
#1	2.300	2.208	2.231	2.174	2.139	1.953	2.221	2.214
#2	2.303	2.081	2.183	2.171	2.092	1.960	2.225	2.161
#3	2.297	2.200	2.229	2.166	2.136	1.961	2.215	2.210

Zoom In Zoom Out

Sample Name: MP58040-B1 Acquired: 10/20/2025 12:19:57 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**19668.**	**229600.**	**35485.**	**9400.0**
Stddev	33.	1887.	125.	18.3
%RSD	.16789	.82167	.35222	.19519
#1	19654.	228320.	35358.	9391.3
#2	19644.	231770.	35608.	9387.7
#3	19706.	228720.	35488.	9421.1

Zoom In Zoom Out

Sample Name: MP58040-S1 Acquired: 10/20/2025 12:25:03 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0869**	**26.67**	**2.244**	**2.201**	**2.213**	**2.143**	**-.0023**	**106.4**	**2.191**
Stddev	.0006	.07	.001	.001	.004	.002	.0002	1.5	.002
%RSD	.6676	.2450	.0636	.0621	.1775	.1080	7.790	1.370	.0898
#1	.0874	26.62	2.246	2.202	2.209	2.143	-.0024	108.0	2.193
#2	.0862	26.75	2.243	2.200	2.216	2.142	-.0021	105.5	2.189
#3	.0870	26.65	2.244	2.200	2.213	2.146	-.0024	105.5	2.192

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**2.090**	**2.102**	**2.161**	**26.75**	**29.77**	**-.0009**	**49.62**	**2.118**
Stddev	.0019	.001	.007	.002	.06	.04	.0015	.09	.021
%RSD	404.5	.0683	.3252	.1105	.2068	.1419	175.1	.1814	.9859
#1	.0003	2.092	2.109	2.164	26.69	29.81	.0006	49.51	2.142
#2	.0024	2.090	2.101	2.160	26.80	29.77	-.0023	49.67	2.103
#3	-.0013	2.090	2.095	2.159	26.76	29.73	-.0008	49.67	2.109

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.180**	**49.93**	**2.116**	**.1057**	**2.119**	**10.08**	**2.241**	**2.238**	**4.535**
Stddev	.002	.10	.001	.0010	.002	.01	.003	.003	.002
%RSD	.0840	.2072	.0684	.9551	.0902	.0937	.1309	.1229	.0341
#1	2.182	49.85	2.118	.1061	2.121	10.09	2.244	2.239	4.536
#2	2.178	50.05	2.115	.1046	2.118	10.08	2.238	2.240	4.535
#3	2.180	49.90	2.116	.1065	2.117	10.07	2.241	2.235	4.533

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.220**	**2.475**	**2.126**	**2.130**	**2.082**	**2.046**	**2.216**	**2.116**
Stddev	.004	.062	.006	.001	.007	.004	.003	.004
%RSD	.1884	2.522	.2769	.0607	.3430	.1770	.1450	.1990
#1	2.223	2.421	2.132	2.131	2.090	2.044	2.218	2.120
#2	2.215	2.543	2.126	2.129	2.080	2.045	2.212	2.115
#3	2.221	2.460	2.120	2.132	2.077	2.050	2.218	2.112

Zoom In Zoom Out

Sample Name: MP58040-S1 Acquired: 10/20/2025 12:25:03 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**19141.**	**228470.**	**35349.**	**9253.0**
Stddev	35.	1428.	247.	24.5
%RSD	.18234	.62508	.69819	.26447
#1	19109.	226880.	35318.	9231.1
#2	19178.	228870.	35118.	9279.4
#3	19136.	229650.	35609.	9248.5

Zoom In Zoom Out

Sample Name: MP58040-S2 Acquired: 10/20/2025 12:30:18 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0901**	**26.57**	**2.262**	**2.221**	**2.186**	**2.206**	**-.0020**	**107.3**	**2.199**
Stddev	.0015	.03	.004	.002	.003	.001	.0018	2.2	.001
%RSD	1.669	.1266	.1931	.0805	.1228	.0604	92.56	2.082	.0439
#1	.0914	26.53	2.257	2.219	2.183	2.207	-.0012	106.6	2.197
#2	.0904	26.59	2.265	2.222	2.188	2.207	-.0006	109.8	2.199
#3	.0884	26.59	2.263	2.223	2.187	2.205	-.0040	105.5	2.199

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0033**	**2.097**	**2.146**	**2.216**	**26.66**	**29.85**	**-.0008**	**49.81**	**2.146**
Stddev	.0008	.002	.039	.042	.02	.07	.0020	.02	.042
%RSD	25.00	.0910	1.834	1.896	.0787	.2447	244.8	.0455	1.968
#1	.0028	2.097	2.177	2.251	26.65	29.77	-.0001	49.83	2.177
#2	.0043	2.095	2.160	2.228	26.68	29.91	.0007	49.81	2.165
#3	.0029	2.099	2.102	2.170	26.64	29.87	-.0032	49.79	2.098

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.195**	**50.20**	**2.125**	**.1090**	**2.125**	**10.27**	**2.258**	**2.247**	**4.592**
Stddev	.003	.03	.002	.0011	.002	.01	.005	.004	.006
%RSD	.1149	.0512	.0702	1.017	.0949	.0523	.2138	.1643	.1268
#1	2.193	50.17	2.125	.1084	2.122	10.26	2.256	2.244	4.585
#2	2.196	50.21	2.123	.1102	2.125	10.27	2.255	2.245	4.596
#3	2.198	50.21	2.126	.1082	2.126	10.27	2.264	2.251	4.594

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.237**	**2.487**	**2.183**	**2.140**	**2.118**	**2.065**	**2.225**	**2.170**
Stddev	.004	.026	.041	.002	.037	.004	.002	.041
%RSD	.1576	1.066	1.898	.0923	1.745	.2167	.0862	1.879
#1	2.235	2.502	2.215	2.138	2.147	2.062	2.224	2.203
#2	2.234	2.503	2.197	2.140	2.132	2.064	2.224	2.183
#3	2.241	2.457	2.136	2.142	2.076	2.070	2.227	2.124

Zoom In Zoom Out

Sample Name: MP58040-S2 Acquired: 10/20/2025 12:30:18 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**19073.**	**224440.**	**35039.**	**9213.2**
Stddev	36.	3906.	155.	12.7
%RSD	.18728	1.7405	.44306	.13814
#1	19053.	221710.	34878.	9205.8
#2	19114.	222700.	35052.	9227.9
#3	19052.	228920.	35188.	9206.0

Zoom In Zoom Out

Sample Name: JE20433-1 Acquired: 10/20/2025 12:35:32 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0008**	**.0511**	**.0029**	**.0638**	**.0588**	**-.0004**	**.0016**	**80.57**	**-.0002**
Stddev	.0003	.0057	.0002	.0006	.0003	.0000	.0008	1.73	.0002
%RSD	38.75	11.19	7.109	1.009	.5316	1.453	51.14	2.147	91.50
#1	-.0007	.0491	.0031	.0643	.0590	-.0004	.0020	80.54	.0000
#2	-.0005	.0575	.0028	.0640	.0590	-.0004	.0007	82.32	-.0003
#3	-.0011	.0466	.0028	.0631	.0584	-.0004	.0021	78.86	-.0004

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0011**	**.0018**	**.0002**	**.0591**	**-.0019**	**3.361**	**.0005**	**23.57**	**.0000**
Stddev	.0021	.0001	.0000	.0006	.0008	.035	.0008	.06	.0000
%RSD	187.9	4.127	28.55	1.003	43.87	1.049	160.8	.2429	152.0
#1	.0020	.0018	.0001	.0588	-.0010	3.346	-.0003	23.64	.0000
#2	.0027	.0017	.0002	.0587	-.0027	3.401	.0004	23.54	.0000
#3	-.0013	.0018	.0002	.0598	-.0020	3.336	.0013	23.54	-.0000

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0025**	**23.61**	**.0035**	**.0803**	**.0019**	**10.28**	**.0099**	**.0030**	**4.365**
Stddev	.0000	.05	.0002	.0002	.0004	.02	.0015	.0023	.004
%RSD	.4564	.1917	4.390	.2248	19.47	.2028	14.81	77.96	.0797
#1	.0025	23.66	.0034	.0805	.0018	10.27	.0082	.0054	4.364
#2	.0024	23.59	.0035	.0801	.0017	10.31	.0107	.0027	4.368
#3	.0025	23.58	.0037	.0803	.0024	10.27	.0109	.0008	4.362

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0031**	**.3107**	**-.0008**	**.0060**	**-.0003**	**.0230**	**.0585**	**.0011**
Stddev	.0002	.0008	.0002	.0004	.0002	.0021	.0000	.0001
%RSD	7.100	.2701	22.27	5.920	86.57	9.239	.0459	5.398
#1	-.0029	.3116	-.0007	.0057	-.0004	.0253	.0586	.0012
#2	-.0031	.3102	-.0007	.0058	-.0000	.0224	.0585	.0011
#3	-.0033	.3101	-.0010	.0064	-.0003	.0211	.0585	.0010

Zoom In Zoom Out

Sample Name: JE20433-1 Acquired: 10/20/2025 12:35:32 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**19495.**	**226420.**	**34941.**	**9239.2**
Stddev	25.	1923.	258.	4.7
%RSD	.12979	.84934	.73854	.05103
#1	19496.	227000.	35103.	9235.1
#2	19520.	227990.	34643.	9244.4
#3	19469.	224280.	35076.	9238.3

Zoom In Zoom Out

Sample Name: MP58040-SD1 Acquired: 10/20/2025 12:40:35 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0057**	**-.0073**	**.0051**	**.0737**	**.0555**	**-.0021**	**-.0017**	**78.58**	**.0003**
Stddev	.0019	.0409	.0027	.0016	.0008	.0001	.0038	.06	.0006
%RSD	32.42	560.5	53.99	2.175	1.455	4.543	223.8	.0787	209.3
#1	-.0064	-.0045	.0059	.0740	.0549	-.0021	-.0035	78.51	.0003
#2	-.0036	.0321	.0072	.0720	.0565	-.0022	-.0043	78.62	.0009
#3	-.0072	-.0495	.0020	.0752	.0553	-.0021	.0027	78.60	-.0003

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0156**	**.0058**	**-.0007**	**.0548**	**-.0314**	**3.608**	**-.0110**	**23.13**	**-.0015**
Stddev	.0167	.0007	.0005	.0009	.0046	.125	.0075	.06	.0001
%RSD	107.2	11.45	73.51	1.606	14.63	3.455	67.83	.2487	6.684
#1	.0328	.0057	-.0007	.0558	-.0297	3.742	-.0051	23.08	-.0014
#2	.0147	.0051	-.0002	.0543	-.0366	3.588	-.0085	23.19	-.0015
#3	-.0006	.0064	-.0013	.0543	-.0279	3.495	-.0194	23.12	-.0016

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0035**	**22.80**	**.0061**	**.0781**	**.0019**	**9.545**	**.0072**	**-.0024**	**4.150**
Stddev	.0011	.06	.0011	.0021	.0049	.009	.0051	.0091	.002
%RSD	30.73	.2710	18.16	2.672	256.8	.0969	70.97	385.4	.0438
#1	.0023	22.82	.0065	.0791	.0032	9.548	.0082	-.0127	4.150
#2	.0039	22.73	.0070	.0794	.0060	9.534	.0118	.0042	4.152
#3	.0044	22.85	.0049	.0757	-.0035	9.552	.0017	.0015	4.149

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0100**	**.2985**	**-.0026**	**.0008**	**-.0008**	**.0709**	**.0566**	**.0025**
Stddev	.0005	.0007	.0011	.0068	.0013	.0011	.0005	.0000
%RSD	5.127	.2301	42.80	817.3	160.0	1.501	.9119	.4526
#1	-.0104	.2992	-.0013	.0086	-.0011	.0710	.0569	.0025
#2	-.0103	.2979	-.0030	-.0018	-.0020	.0698	.0569	.0025
#3	-.0095	.2982	-.0034	-.0043	.0006	.0719	.0560	.0025

Zoom In Zoom Out

Sample Name: MP58040-SD1 Acquired: 10/20/2025 12:40:35 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**20339.**	**236420.**	**35652.**	**9542.1**
Stddev	35.	1803.	158.	16.4
%RSD	.17413	.76247	.44317	.17224
#1	20304.	236590.	35636.	9523.2
#2	20375.	234540.	35503.	9549.3
#3	20340.	238140.	35818.	9553.6

Zoom In Zoom Out

Sample Name: JE20433-2 Acquired: 10/20/2025 12:45:32 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0005**	**.0546**	**.0022**	**.0621**	**.0589**	**-.0006**	**.0006**	**82.13**	**-.0007**
Stddev	.0002	.0075	.0002	.0006	.0004	.0001	.0008	1.49	.0001
%RSD	31.53	13.70	9.297	.9281	.6334	13.25	117.7	1.815	10.74
#1	-.0004	.0579	.0021	.0628	.0593	-.0006	.0015	82.38	-.0006
#2	-.0007	.0600	.0024	.0619	.0586	-.0005	.0002	80.53	-.0007
#3	-.0005	.0461	.0020	.0617	.0588	-.0007	.0002	83.49	-.0008

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0060**	**.0017**	**-.0002**	**.1233**	**.0179**	**3.285**	**.0005**	**23.50**	**.0003**
Stddev	.0046	.0001	.0000	.0009	.0013	.064	.0015	.10	.0001
%RSD	77.43	8.606	15.58	.7397	7.265	1.950	300.8	.4377	17.41
#1	.0080	.0019	-.0003	.1242	.0191	3.226	-.0009	23.58	.0004
#2	.0092	.0017	-.0002	.1224	.0165	3.275	.0003	23.39	.0003
#3	.0007	.0016	-.0003	.1233	.0182	3.353	.0022	23.55	.0003

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0021**	**23.59**	**.0176**	**.0856**	**.0015**	**10.20**	**.0088**	**.0027**	**4.360**
Stddev	.0001	.11	.0006	.0002	.0003	.01	.0014	.0014	.003
%RSD	4.241	.4614	3.227	.2310	18.17	.1348	15.43	52.96	.0658
#1	.0022	23.65	.0172	.0856	.0017	10.18	.0074	.0037	4.357
#2	.0020	23.46	.0173	.0858	.0012	10.20	.0100	.0011	4.362
#3	.0021	23.66	.0182	.0854	.0016	10.21	.0091	.0034	4.362

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0036**	**.3103**	**-.0008**	**.0062**	**-.0005**	**.0107**	**.1316**	**.0001**
Stddev	.0003	.0013	.0001	.0008	.0002	.0008	.0002	.0001
%RSD	8.199	.4096	18.90	12.64	36.04	7.060	.1606	139.6
#1	-.0032	.3113	-.0009	.0067	-.0004	.0100	.1315	-.0000
#2	-.0037	.3089	-.0007	.0066	-.0004	.0115	.1314	.0001
#3	-.0037	.3108	-.0006	.0053	-.0006	.0106	.1318	.0002

Zoom In Zoom Out

Sample Name: JE20433-2 Acquired: 10/20/2025 12:45:32 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**19546.**	**228520.**	**35133.**	**9275.8**
Stddev	41.	633.	331.	29.9
%RSD	.21163	.27699	.94335	.32264
#1	19591.	227990.	35154.	9310.3
#2	19539.	228350.	35453.	9260.4
#3	19509.	229220.	34791.	9256.7

Zoom In Zoom Out

Sample Name: JE20433-3 Acquired: 10/20/2025 12:50:38 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0010**	**.1451**	**.0017**	**.0733**	**.0689**	**-.0006**	**.0011**	**95.99**	**-.0007**
Stddev	.0003	.0066	.0008	.0002	.0000	.0000	.0004	2.56	.0001
%RSD	30.64	4.563	49.45	.3034	.0661	7.493	38.04	2.663	17.44
#1	-.0011	.1527	.0020	.0731	.0689	-.0006	.0011	94.79	-.0006
#2	-.0007	.1402	.0024	.0733	.0689	-.0005	.0007	98.93	-.0009
#3	-.0013	.1426	.0008	.0735	.0690	-.0006	.0015	94.26	-.0007

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0024**	**.0017**	**-.0000**	**.0685**	**.0321**	**2.852**	**-.0009**	**25.10**	**.0066**
Stddev	.0022	.0000	.0001	.0016	.0004	.016	.0011	.07	.0002
%RSD	92.65	2.406	165.7	2.394	1.366	.5603	123.3	.2946	2.344
#1	.0039	.0018	.0000	.0675	.0325	2.850	.0004	25.12	.0065
#2	.0035	.0017	-.0001	.0677	.0316	2.869	-.0015	25.17	.0066
#3	-.0002	.0017	-.0001	.0704	.0323	2.838	-.0016	25.02	.0068

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0025**	**24.29**	**.0016**	**.0272**	**.0018**	**11.53**	**.0103**	**.0038**	**5.751**
Stddev	.0002	.01	.0002	.0004	.0005	.02	.0011	.0001	.004
%RSD	7.222	.0525	10.54	1.560	27.51	.1410	10.47	3.263	.0787
#1	.0027	24.30	.0016	.0270	.0015	11.53	.0091	.0039	5.749
#2	.0023	24.28	.0014	.0276	.0024	11.54	.0105	.0038	5.756
#3	.0024	24.29	.0017	.0268	.0015	11.51	.0113	.0037	5.748

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0027**	**.3434**	**-.0009**	**.0059**	**-.0000**	**.0087**	**.2083**	**-.0001**
Stddev	.0005	.0003	.0004	.0010	.0001	.0005	.0003	.0002
%RSD	18.27	.0842	47.08	16.15	606.5	5.348	.1279	125.8
#1	-.0025	.3435	-.0007	.0063	-.0000	.0082	.2080	.0001
#2	-.0032	.3437	-.0007	.0066	.0001	.0088	.2085	-.0002
#3	-.0023	.3431	-.0014	.0048	-.0001	.0092	.2084	-.0003

Zoom In Zoom Out

Sample Name: JE20433-3 Acquired: 10/20/2025 12:50:38 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**19668.**	**229500.**	**35643.**	**9374.9**
Stddev	35.	3895.	351.	18.0
%RSD	.17797	1.6972	.98586	.19168
#1	19704.	231390.	35720.	9394.0
#2	19663.	232090.	35260.	9372.3
#3	19635.	225020.	35950.	9358.4

Zoom In Zoom Out

Sample Name: CCV Acquired: 10/20/2025 12:55:43 Type: QC
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2427**	**40.33**	**2.047**	**2.049**	**2.055**	**2.110**	**2.035**	**41.47**	**2.061**
Stddev	.0024	.08	.003	.001	.003	.006	.001	.14	.001
%RSD	.9775	.2033	.1522	.0613	.1238	.2689	.0379	.3373	.0288
#1	.2408	40.36	2.045	2.050	2.057	2.114	2.035	41.55	2.060
#2	.2453	40.38	2.046	2.049	2.055	2.113	2.035	41.56	2.061
#3	.2419	40.23	2.051	2.047	2.052	2.103	2.034	41.31	2.061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.022**	**2.025**	**2.023**	**2.025**	**40.83**	**40.11**	**2.043**	**40.74**	**2.026**
Stddev	.017	.002	.015	.017	.06	.13	.004	.16	.023
%RSD	.8214	.1159	.7570	.8601	.1537	.3157	.2171	.3973	1.140
#1	2.007	2.023	2.007	2.008	40.84	40.24	2.045	40.79	2.001
#2	2.040	2.024	2.038	2.042	40.88	40.11	2.045	40.88	2.031
#3	2.020	2.027	2.025	2.025	40.76	39.99	2.038	40.56	2.046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.064**	**40.74**	**2.043**	**2.059**	**2.036**	**2.033**	**2.064**	**2.065**	**5.035**
Stddev	.001	.09	.001	.002	.001	.002	.003	.003	.001
%RSD	.0296	.2310	.0424	.0733	.0478	.0912	.1436	.1480	.0259
#1	2.063	40.82	2.043	2.058	2.035	2.031	2.062	2.061	5.034
#2	2.065	40.76	2.043	2.061	2.036	2.034	2.067	2.066	5.035
#3	2.064	40.63	2.044	2.060	2.037	2.034	2.062	2.067	5.037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: CCV Acquired: 10/20/2025 12:55:43 Type: QC
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.087**	**2.085**	**2.017**	**2.043**	**1.990**	**2.020**	**2.077**	**2.007**
Stddev	.002	.050	.016	.001	.018	.001	.003	.016
%RSD	.0932	2.411	.7870	.0320	.9298	.0437	.1311	.7732
#1	2.085	2.029	2.001	2.042	1.970	2.021	2.078	1.991
#2	2.086	2.099	2.033	2.043	2.007	2.019	2.074	2.022
#3	2.089	2.127	2.017	2.042	1.992	2.021	2.079	2.007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**19330.**	**232140.**	**35563.**	**9395.9**
Stddev	20.	2726.	167.	8.7
%RSD	.10366	1.1745	.47012	.09210
#1	19308.	235290.	35661.	9386.2
#2	19347.	230620.	35370.	9402.6
#3	19335.	230510.	35658.	9399.0

Zoom In Zoom Out

Sample Name: CCB Acquired: 10/20/2025 13:00:51 Type: QC
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0004**	**-.0029**	**.0009**	**.0016**	**-.0001**	**.0000**	**-.0006**	**-.0225**	**.0002**
Stddev	.0002	.0084	.0007	.0011	.0003	.0002	.0005	.0054	.0001
%RSD	38.57	291.3	72.05	67.88	504.2	1099.	75.26	24.16	37.46
#1	-.0006	-.0094	.0012	.0029	-.0003	-.0001	-.0010	-.0268	.0003
#2	-.0003	-.0058	.0014	.0010	-.0001	-.0000	-.0008	-.0243	.0002
#3	-.0003	.0066	.0002	.0009	.0002	.0002	-.0001	-.0164	.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0021**	**.0004**	**.0004**	**-.0001**	**.0002**	**.0819**	**-.0008**	**-.0047**	**.0004**
Stddev	.0033	.0003	.0001	.0001	.0009	.0310	.0026	.0073	.0001
%RSD	155.8	65.20	16.25	142.3	426.8	37.87	325.8	154.4	21.54
#1	-.0015	.0007	.0004	-.0000	-.0008	.0479	.0022	-.0098	.0004
#2	.0008	.0002	.0004	-.0000	.0006	.1086	-.0022	-.0080	.0006
#3	-.0057	.0003	.0003	-.0003	.0008	.0892	-.0024	.0036	.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**-.0194**	**.0002**	**.0015**	**-.0000**	**-.0019**	**-.0006**	**-.0004**	**-.0056**
Stddev	.0002	.0037	.0001	.0003	.0005	.0011	.0005	.0021	.0003
%RSD	60.75	18.90	64.41	22.96	3629.	56.20	93.92	517.5	4.947
#1	.0004	-.0234	.0003	.0016	.0004	-.0014	-.0003	.0001	-.0054
#2	.0003	-.0185	.0002	.0011	.0001	-.0012	-.0002	.0014	-.0060
#3	.0001	-.0162	.0001	.0017	-.0005	-.0031	-.0012	-.0027	-.0056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: CCB Acquired: 10/20/2025 13:00:51 Type: QC
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**-.0001**	**.0003**	**-.0005**	**.0007**	**.0047**	**-.0002**	**.0008**
Stddev	.0004	.0001	.0003	.0010	.0002	.0004	.0002	.0001
%RSD	104.0	190.5	86.05	198.7	28.23	8.177	75.29	9.738
#1	.0007	-.0002	.0005	.0006	.0007	.0050	-.0000	.0007
#2	.0000	-.0001	.0005	-.0013	.0008	.0048	-.0002	.0007
#3	.0003	.0001	.0000	-.0008	.0005	.0042	-.0004	.0008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**20573.**	**241760.**	**35768.**	**9646.7**
Stddev	47.	3013.	148.	15.0
%RSD	.22636	1.2464	.41459	.15581
#1	20619.	245200.	35938.	9660.2
#2	20574.	240510.	35666.	9649.3
#3	20526.	239580.	35698.	9630.5

Inst QC: MA59582

Zoom In Zoom Out

Sample Name: JE20478-1 Acquired: 10/20/2025 13:05:53 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0004**	**.0441**	**.0027**	**.0922**	**.0423**	**-.0003**	**-.0007**	**35.21**	**.0001**
Stddev	.0002	.0010	.0007	.0010	.0001	.0000	.0013	.03	.0002
%RSD	55.80	2.332	26.12	1.075	.3521	10.65	186.4	.0829	337.1
#1	-.0004	.0452	.0028	.0926	.0425	-.0003	-.0013	35.24	.0002
#2	-.0002	.0433	.0034	.0910	.0423	-.0003	.0008	35.22	-.0001
#3	-.0007	.0437	.0020	.0928	.0422	-.0003	-.0015	35.18	.0001

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0033**	**.0018**	**.0001**	**.0207**	**.1165**	**3.681**	**-.0022**	**5.586**	**.0091**
Stddev	.0010	.0002	.0003	.0003	.0001	.034	.0028	.006	.0000
%RSD	29.92	9.535	464.0	1.265	.0789	.9170	126.7	.1146	.5082
#1	.0032	.0016	-.0002	.0209	.1165	3.673	-.0052	5.587	.0092
#2	.0044	.0018	.0004	.0208	.1164	3.652	-.0020	5.579	.0091
#3	.0024	.0019	-.0000	.0204	.1166	3.719	.0005	5.592	.0091

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0019**	**28.36**	**.0020**	**.4776**	**.0020**	**21.48**	**.0061**	**-.0002**	**3.840**
Stddev	.0003	.06	.0004	.0033	.0001	.07	.0012	.0003	.012
%RSD	14.90	.1988	20.65	.6852	7.030	.3150	19.18	122.8	.3067
#1	.0019	28.42	.0024	.4738	.0021	21.41	.0057	.0001	3.827
#2	.0016	28.34	.0019	.4791	.0019	21.48	.0075	-.0005	3.840
#3	.0022	28.31	.0016	.4798	.0020	21.54	.0053	-.0003	3.851

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0026**	**.1308**	**.0006**	**.0046**	**.0009**	**.0032**	**.1488**	**.0000**
Stddev	.0004	.0003	.0003	.0007	.0002	.0007	.0004	.0001
%RSD	15.90	.2519	51.02	15.18	19.08	22.93	.2618	227.8
#1	-.0029	.1310	.0009	.0038	.0011	.0030	.1485	-.0001
#2	-.0022	.1309	.0005	.0052	.0008	.0025	.1487	.0001
#3	-.0029	.1304	.0003	.0047	.0008	.0040	.1492	.0001

Zoom In Zoom Out

Sample Name: JE20478-1 Acquired: 10/20/2025 13:05:53 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**19936.**	**230890.**	**35268.**	**9409.1**
Stddev	43.	1213.	45.	20.1
%RSD	.21553	.52540	.12619	.21403
#1	19980.	229640.	35304.	9426.3
#2	19934.	230980.	35218.	9414.0
#3	19894.	232060.	35280.	9387.0

Zoom In Zoom Out

Sample Name: JE20479-1 Acquired: 10/20/2025 13:10:48 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0240**	**.0021**	**.0716**	**.0547**	**-.0005**	**.0023**	**48.10**	**-.0006**
Stddev	.0002	.0106	.0005	.0001	.0005	.0001	.0005	.26	.0002
%RSD	865.2	43.94	25.64	.1934	.9299	17.53	22.88	.5388	34.66
#1	.0001	.0125	.0020	.0714	.0547	-.0005	.0023	48.24	-.0003
#2	.0002	.0265	.0016	.0717	.0552	-.0004	.0018	48.26	-.0007
#3	-.0002	.0331	.0027	.0717	.0542	-.0006	.0029	47.80	-.0007

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0026**	**.0021**	**-.0002**	**.0200**	**.0034**	**3.824**	**-.0012**	**15.62**	**.0015**
Stddev	.0010	.0001	.0001	.0003	.0004	.025	.0018	.07	.0000
%RSD	37.42	3.331	45.78	1.403	11.09	.6427	151.2	.4759	2.565
#1	.0029	.0021	-.0002	.0200	.0038	3.808	.0007	15.69	.0015
#2	.0015	.0021	-.0001	.0202	.0034	3.853	-.0030	15.63	.0014
#3	.0033	.0022	-.0003	.0197	.0031	3.813	-.0013	15.54	.0015

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0024**	**21.83**	**.0035**	**.5216**	**.0019**	**21.10**	**.0076**	**.0018**	**2.506**
Stddev	.0001	.14	.0002	.0021	.0006	.07	.0005	.0017	.009
%RSD	3.601	.6255	6.062	.3982	33.75	.3461	6.455	97.15	.3740
#1	.0023	21.88	.0033	.5198	.0026	21.02	.0075	.0030	2.497
#2	.0025	21.93	.0037	.5239	.0017	21.17	.0072	-.0002	2.515
#3	.0024	21.67	.0036	.5212	.0014	21.11	.0081	.0024	2.507

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0034**	**.2550**	**-.0007**	**.0058**	**.0002**	**.0036**	**.0130**	**-.0002**
Stddev	.0006	.0016	.0002	.0008	.0002	.0006	.0001	.0001
%RSD	16.41	.6393	30.40	13.67	93.39	17.64	.8884	44.39
#1	-.0028	.2552	-.0008	.0066	.0001	.0043	.0130	-.0003
#2	-.0036	.2565	-.0009	.0050	.0004	.0031	.0131	-.0003
#3	-.0039	.2533	-.0005	.0057	.0001	.0034	.0129	-.0001

Zoom In Zoom Out

Sample Name: JE20479-1 Acquired: 10/20/2025 13:10:48 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**19829.**	**229550.**	**35026.**	**9395.2**
Stddev	53.	1385.	263.	34.4
%RSD	.26608	.60331	.74950	.36579
#1	19868.	229560.	34947.	9417.1
#2	19769.	230920.	34813.	9355.6
#3	19850.	228150.	35319.	9412.8

Zoom In Zoom Out

Sample Name: JE20479-2 Acquired: 10/20/2025 13:15:42 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0097**	**.0021**	**.0715**	**.0505**	**-.0006**	**.0030**	**44.83**	**-.0004**
Stddev	.0002	.0180	.0003	.0001	.0000	.0000	.0004	.12	.0000
%RSD	178.1	185.0	13.43	.1222	.0787	4.729	13.75	.2571	9.125
#1	.0001	.0061	.0019	.0715	.0505	-.0005	.0034	44.70	-.0004
#2	-.0004	-.0062	.0024	.0714	.0505	-.0005	.0030	44.86	-.0005
#3	-.0001	.0293	.0020	.0715	.0505	-.0006	.0026	44.93	-.0004

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0034**	**.0018**	**-.0001**	**.0374**	**.0004**	**3.893**	**-.0019**	**14.66**	**.0014**
Stddev	.0042	.0001	.0003	.0008	.0013	.013	.0007	.04	.0000
%RSD	125.3	8.383	180.5	2.175	323.1	.3293	36.46	.2974	.2239
#1	.0055	.0019	-.0001	.0366	.0002	3.888	-.0027	14.61	.0014
#2	-.0015	.0017	.0001	.0382	.0018	3.907	-.0013	14.66	.0014
#3	.0060	.0017	-.0004	.0376	-.0008	3.883	-.0018	14.70	.0014

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0020**	**22.33**	**.0046**	**.5769**	**.0008**	**19.33**	**.0070**	**-.0020**	**2.754**
Stddev	.0001	.03	.0001	.0018	.0004	.01	.0016	.0026	.003
%RSD	7.300	.1242	2.507	.3127	49.17	.0759	23.01	127.9	.0977
#1	.0018	22.32	.0046	.5781	.0005	19.32	.0070	.0008	2.756
#2	.0020	22.31	.0048	.5778	.0013	19.34	.0054	-.0043	2.751
#3	.0021	22.36	.0045	.5748	.0007	19.34	.0087	-.0027	2.755

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0035**	**.2302**	**-.0007**	**.0044**	**-.0002**	**.0040**	**.0677**	**-.0002**
Stddev	.0002	.0002	.0003	.0009	.0002	.0009	.0003	.0001
%RSD	5.010	.0915	41.14	19.63	90.54	23.15	.4723	29.86
#1	-.0036	.2301	-.0008	.0034	.0000	.0047	.0681	-.0001
#2	-.0033	.2301	-.0004	.0049	-.0004	.0043	.0676	-.0002
#3	-.0034	.2305	-.0009	.0050	-.0003	.0029	.0675	-.0002

Zoom In Zoom Out

Sample Name: JE20479-2 Acquired: 10/20/2025 13:15:42 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**19733.**	**226040.**	**35057.**	**9332.4**
Stddev	61.	2765.	102.	32.5
%RSD	.30749	1.2234	.29154	.34856
#1	19664.	229110.	34986.	9297.6
#2	19756.	223750.	35011.	9337.7
#3	19779.	225250.	35174.	9362.0

Zoom In Zoom Out

Sample Name: JE20527-1 Acquired: 10/20/2025 13:20:35 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0005**	**-.0087**	**.0014**	**.0440**	**.0015**	**-.0005**	**.0027**	**.7496**	**-.0004**
Stddev	.0005	.0040	.0009	.0005	.0001	.0001	.0005	.0002	.0001
%RSD	120.2	45.54	65.37	1.226	9.365	10.08	18.52	.0265	37.46
#1	-.0000	-.0117	.0004	.0434	.0014	-.0005	.0024	.7498	-.0004
#2	-.0003	-.0101	.0021	.0441	.0016	-.0005	.0033	.7495	-.0002
#3	-.0011	-.0042	.0019	.0444	.0014	-.0006	.0025	.7494	-.0005

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0000**	**-.0003**	**.0306**	**-.0026**	**.0992**	**-.0040**	**.0795**	**.0022**
Stddev	.0016	.0003	.0002	.0002	.0015	.0209	.0017	.0086	.0001
%RSD	451.2	701.7	48.62	.5054	57.85	21.09	41.04	10.84	3.092
#1	-.0013	.0004	-.0002	.0307	-.0020	.0765	-.0037	.0708	.0022
#2	.0018	-.0000	-.0004	.0304	-.0015	.1032	-.0026	.0881	.0021
#3	.0005	-.0002	-.0005	.0305	-.0044	.1178	-.0058	.0796	.0022

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0005**	**.1620**	**.0042**	**.0135**	**.0018**	**.0429**	**-.0008**	**-.0028**	**.6387**
Stddev	.0001	.0105	.0001	.0009	.0005	.0018	.0009	.0015	.0013
%RSD	11.67	6.489	2.444	6.396	24.96	4.240	122.0	51.80	.2083
#1	-.0004	.1701	.0044	.0143	.0013	.0433	-.0015	-.0041	.6400
#2	-.0006	.1658	.0042	.0126	.0020	.0410	.0003	-.0012	.6387
#3	-.0005	.1502	.0042	.0136	.0022	.0446	-.0010	-.0031	.6373

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0009**	**.0014**	**-.0004**	**.0012**	**-.0003**	**.0019**	**.1372**	**-.0003**
Stddev	.0003	.0000	.0001	.0006	.0002	.0005	.0001	.0000
%RSD	31.15	3.160	25.35	50.85	59.68	24.23	.0800	9.227
#1	-.0009	.0014	-.0004	.0014	-.0001	.0022	.1371	-.0003
#2	-.0006	.0013	-.0003	.0017	-.0004	.0021	.1373	-.0004
#3	-.0011	.0014	-.0005	.0005	-.0005	.0014	.1372	-.0003

Zoom In Zoom Out

Sample Name: JE20527-1 Acquired: 10/20/2025 13:20:35 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**20471.**	**237570.**	**35395.**	**9546.9**
Stddev	10.	2733.	255.	6.2
%RSD	.05119	1.1504	.72176	.06516
#1	20466.	238480.	35649.	9540.3
#2	20483.	239740.	35138.	9552.7
#3	20465.	234500.	35398.	9547.6

Zoom In Zoom Out

Sample Name: JE20527-2 Acquired: 10/20/2025 13:25:31 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0009**	**-.0149**	**.0006**	**.0460**	**.0001**	**-.0006**	**.0019**	**.1785**	**-.0003**
Stddev	.0001	.0069	.0014	.0005	.0003	.0000	.0007	.0013	.0001
%RSD	13.79	45.99	245.3	1.048	186.3	2.672	35.17	.7343	18.28
#1	.0009	-.0223	.0006	.0465	-.0001	-.0005	.0019	.1775	-.0003
#2	.0010	-.0138	-.0008	.0458	.0002	-.0006	.0026	.1800	-.0004
#3	.0007	-.0087	.0019	.0456	.0004	-.0006	.0013	.1781	-.0003

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0005**	**.0001**	**-.0005**	**.0232**	**-.0047**	**.0078**	**-.0008**	**.0102**	**.0007**
Stddev	.0012	.0001	.0001	.0003	.0012	.0299	.0013	.0055	.0000
%RSD	216.3	144.2	16.07	1.281	25.03	383.5	175.7	54.23	3.148
#1	-.0019	.0002	-.0006	.0232	-.0039	-.0117	-.0008	.0043	.0007
#2	.0003	.0000	-.0005	.0228	-.0041	-.0072	.0006	.0153	.0006
#3	-.0001	.0000	-.0005	.0234	-.0060	.0423	-.0021	.0110	.0007

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0006**	**.1090**	**.0005**	**.0041**	**-.0002**	**.0166**	**-.0015**	**-.0020**	**.5221**
Stddev	.0001	.0071	.0002	.0003	.0001	.0022	.0011	.0024	.0002
%RSD	14.36	6.476	34.24	6.090	63.77	13.18	69.49	118.2	.0393
#1	-.0006	.1019	.0004	.0039	-.0001	.0188	-.0022	-.0047	.5219
#2	-.0007	.1160	.0008	.0041	-.0002	.0145	-.0020	-.0004	.5221
#3	-.0005	.1090	.0005	.0044	-.0003	.0165	-.0003	-.0009	.5223

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0010**	**-.0005**	**-.0004**	**.0004**	**-.0003**	**.0024**	**.0463**	**-.0001**
Stddev	.0003	.0001	.0001	.0003	.0003	.0005	.0001	.0002
%RSD	29.94	17.00	39.18	71.04	89.25	21.46	.1519	102.5
#1	-.0012	-.0005	-.0004	.0006	.0000	.0018	.0464	-.0000
#2	-.0007	-.0004	-.0005	.0005	-.0004	.0027	.0463	-.0003
#3	-.0012	-.0005	-.0002	.0001	-.0005	.0027	.0463	-.0001

Zoom In Zoom Out

Sample Name: JE20527-2 Acquired: 10/20/2025 13:25:31 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**20427.**	**237470.**	**35351.**	**9526.8**
Stddev	19.	682.	299.	15.6
%RSD	.09345	.28700	.84470	.16382
#1	20426.	238170.	35641.	9521.2
#2	20447.	237420.	35368.	9544.4
#3	20409.	236810.	35045.	9514.7

Zoom In Zoom Out

Sample Name: JE20527-3 Acquired: 10/20/2025 13:30:29 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0045**	**-.0077**	**.0015**	**.0622**	**.0018**	**-.0005**	**.0003**	**.4182**	**-.0005**
Stddev	.0005	.0132	.0005	.0005	.0001	.0001	.0008	.0033	.0000
%RSD	10.60	171.7	36.46	.7318	4.330	10.15	301.8	.7944	8.759
#1	.0047	-.0047	.0010	.0617	.0018	-.0005	.0002	.4210	-.0005
#2	.0048	-.0221	.0013	.0625	.0017	-.0006	.0011	.4145	-.0004
#3	.0039	.0037	.0021	.0625	.0018	-.0005	-.0005	.4191	-.0005

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**-.0002**	**-.0003**	**.9732**	**-.0025**	**.0031**	**-.0027**	**.0184**	**.0034**
Stddev	.0018	.0002	.0000	.0050	.0015	.0144	.0011	.0055	.0000
%RSD	378.1	82.73	14.23	.5155	60.69	468.3	41.03	30.03	.9623
#1	-.0000	-.0000	-.0003	.9675	-.0021	-.0094	-.0040	.0157	.0034
#2	.0024	-.0004	-.0003	.9769	-.0042	.0187	-.0018	.0147	.0034
#3	-.0010	-.0003	-.0002	.9751	-.0012	-.0001	-.0025	.0247	.0034

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0005**	**.2261**	**.0008**	**.0124**	**.0017**	**.0322**	**-.0007**	**-.0005**	**.7630**
Stddev	.0001	.0047	.0001	.0007	.0005	.0012	.0008	.0008	.0034
%RSD	15.55	2.093	11.79	5.244	31.74	3.645	120.7	166.1	.4488
#1	-.0005	.2312	.0009	.0117	.0011	.0322	-.0013	-.0009	.7619
#2	-.0005	.2218	.0007	.0129	.0019	.0311	.0002	-.0009	.7602
#3	-.0004	.2253	.0007	.0127	.0021	.0334	-.0010	.0004	.7668

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0008**	**-.0003**	**-.0002**	**.0003**	**-.0003**	**.0025**	**.0930**	**-.0003**
Stddev	.0004	.0001	.0001	.0007	.0002	.0005	.0003	.0000
%RSD	49.11	46.86	49.60	209.6	60.00	21.69	.3218	10.21
#1	-.0004	-.0004	-.0003	.0009	-.0001	.0019	.0928	-.0004
#2	-.0008	-.0001	-.0002	.0005	-.0003	.0025	.0928	-.0003
#3	-.0013	-.0003	-.0001	-.0004	-.0005	.0029	.0933	-.0003

Zoom In Zoom Out

Sample Name: JE20527-3 Acquired: 10/20/2025 13:30:29 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**20433.**	**237520.**	**35152.**	**9533.2**
Stddev	59.	675.	241.	22.6
%RSD	.29053	.28432	.68623	.23678
#1	20445.	237820.	35065.	9530.3
#2	20485.	236740.	34966.	9557.1
#3	20368.	237990.	35424.	9512.3

Zoom In Zoom Out

Sample Name: JE20539-1 Acquired: 10/20/2025 13:35:28 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0004**	**-.0027**	**.0015**	**.2184**	**.0648**	**-.0006**	**.0024**	**133.8**	**-.0011**
Stddev	.0003	.0159	.0010	.0016	.0003	.0000	.0007	1.4	.0002
%RSD	71.65	591.6	70.80	.7444	.4090	8.297	31.14	1.017	15.16
#1	-.0002	-.0044	.0003	.2193	.0647	-.0006	.0032	132.5	-.0009
#2	-.0003	-.0176	.0019	.2165	.0647	-.0005	.0018	133.8	-.0012
#3	-.0008	.0140	.0022	.2193	.0652	-.0006	.0021	135.2	-.0013

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0014**	**.0037**	**-.0001**	**.0336**	**-.0050**	**3.669**	**-.0005**	**32.54**	**.0729**
Stddev	.0019	.0002	.0003	.0010	.0017	.020	.0017	.07	.0012
%RSD	128.9	5.064	261.6	2.961	34.31	.5544	332.7	.2147	1.623
#1	.0007	.0035	.0001	.0324	-.0042	3.671	-.0024	32.47	.0716
#2	-.0027	.0039	-.0005	.0342	-.0070	3.647	.0010	32.61	.0739
#3	-.0023	.0036	.0000	.0341	-.0039	3.688	-.0001	32.54	.0733

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0023**	**57.75**	**.0074**	**.0069**	**.0047**	**13.14**	**.0093**	**.0023**	**8.105**
Stddev	.0002	.08	.0002	.0003	.0013	.03	.0009	.0015	.019
%RSD	7.365	.1398	2.859	4.094	28.50	.2201	9.218	67.04	.2395
#1	.0025	57.68	.0072	.0071	.0061	13.17	.0086	.0040	8.126
#2	.0022	57.84	.0076	.0066	.0034	13.12	.0090	.0013	8.089
#3	.0024	57.74	.0075	.0069	.0045	13.14	.0102	.0015	8.099

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0033**	**.1532**	**-.0010**	**.0073**	**-.0002**	**.0039**	**.0308**	**-.0004**
Stddev	.0003	.0003	.0002	.0009	.0004	.0006	.0001	.0001
%RSD	8.119	.1844	23.72	12.16	171.5	15.19	.2590	19.65
#1	-.0036	.1530	-.0009	.0073	.0002	.0045	.0309	-.0004
#2	-.0031	.1536	-.0013	.0082	-.0005	.0034	.0308	-.0005
#3	-.0032	.1531	-.0009	.0065	-.0003	.0037	.0307	-.0004

Zoom In Zoom Out

Sample Name: JE20539-1 Acquired: 10/20/2025 13:35:28 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**18959.**	**224270.**	**34699.**	**9154.0**
Stddev	27.	3031.	282.	15.0
%RSD	.14108	1.3515	.81294	.16360
#1	18970.	227640.	34972.	9146.8
#2	18979.	221780.	34409.	9171.2
#3	18929.	223390.	34717.	9144.0

Zoom In Zoom Out

Sample Name: MP58040-CRICONF Acquired: 10/20/2025 13:40:31 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0050**	**.2029**	**.0088**	**.1632**	**.2206**	**.0016**	**.0222**	**5.559**	**.0028**
Stddev	.0004	.0085	.0005	.0008	.0005	.0001	.0010	.010	.0001
%RSD	7.300	4.210	5.766	.5165	.2095	3.088	4.381	.1874	3.808
#1	.0054	.1956	.0093	.1624	.2212	.0016	.0215	5.571	.0029
#2	.0048	.2008	.0088	.1631	.2204	.0016	.0217	5.555	.0027
#3	.0047	.2122	.0082	.1641	.2204	.0017	.0233	5.552	.0028

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0030**	**.0537**	**.0109**	**.0103**	**.1029**	**5.456**	**.0546**	**5.581**	**.0162**
Stddev	.0031	.0002	.0003	.0005	.0003	.022	.0006	.009	.0003
%RSD	103.0	.4321	2.745	4.699	.3032	.4119	1.059	.1685	1.960
#1	-.0002	.0534	.0106	.0103	.1027	5.433	.0543	5.571	.0161
#2	.0032	.0539	.0112	.0109	.1032	5.457	.0542	5.589	.0165
#3	.0060	.0538	.0109	.0099	.1027	5.478	.0552	5.583	.0159

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0224**	**5.537**	**.0110**	**.0552**	**.0029**	**.0666**	**.0069**	**.0117**	**.9842**
Stddev	.0002	.012	.0001	.0004	.0009	.0023	.0013	.0003	.0003
%RSD	.9500	.2112	.6608	.8046	31.67	3.468	18.27	2.867	.0345
#1	.0226	5.549	.0110	.0552	.0040	.0652	.0061	.0116	.9839
#2	.0222	5.537	.0111	.0557	.0027	.0653	.0083	.0113	.9841
#3	.0223	5.526	.0109	.0548	.0021	.0693	.0062	.0120	.9846

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0098**	**.0105**	**.0101**	**.0101**	**.0529**	**.0557**	**.0237**	**.0102**
Stddev	.0005	.0001	.0003	.0012	.0009	.0009	.0001	.0000
%RSD	5.294	.5421	2.770	11.47	1.626	1.658	.5608	.4136
#1	.0100	.0106	.0103	.0111	.0530	.0559	.0238	.0102
#2	.0103	.0105	.0102	.0088	.0538	.0565	.0236	.0103
#3	.0093	.0105	.0098	.0105	.0520	.0547	.0238	.0102

Zoom In Zoom Out

Sample Name: MP58040-CRICONF Acquired: 10/20/2025 13:40:31 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**20322.**	**239200.**	**35894.**	**9624.7**
Stddev	20.	4682.	120.	9.9
%RSD	.09992	1.9572	.33455	.10255
#1	20302.	242140.	35773.	9613.3
#2	20343.	233800.	36013.	9631.0
#3	20320.	241650.	35896.	9629.8

Zoom In Zoom Out

Sample Name: MP58072-MB1 7 Acquired: 10/20/2025 13:45:26 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0005**	**.0221**	**.0001**	**.1901**	**-.0001**	**-.0005**	**-.0006**	**.1125**	**-.0003**
Stddev	.0002	.0107	.0003	.0011	.0002	.0000	.0001	.0005	.0001
%RSD	45.12	48.62	208.7	.5584	177.7	8.801	20.41	.4651	23.74
#1	-.0006	.0301	.0003	.1893	-.0000	-.0005	-.0005	.1119	-.0003
#2	-.0006	.0263	-.0002	.1896	-.0003	-.0005	-.0007	.1126	-.0002
#3	-.0002	.0099	.0004	.1913	.0000	-.0005	-.0005	.1129	-.0003

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**-.0003**	**.0001**	**.0031**	**.0390**	**.0421**	**-.0010**	**.0140**	**.0007**
Stddev	.0021	.0002	.0001	.0005	.0018	.0229	.0032	.0082	.0000
%RSD	5159.	57.98	93.86	16.54	4.729	54.51	309.4	58.45	2.038
#1	.0019	-.0005	.0000	.0027	.0411	.0614	-.0010	.0163	.0007
#2	-.0022	-.0002	.0002	.0030	.0376	.0167	.0022	.0208	.0007
#3	.0004	-.0002	.0001	.0037	.0383	.0481	-.0043	.0049	.0007

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0004**	**.0358**	**.0003**	**.0205**	**.0001**	**.0142**	**-.0005**	**.0007**	**1.801**
Stddev	.0000	.0078	.0002	.0005	.0006	.0010	.0007	.0003	.004
%RSD	10.90	21.88	51.58	2.313	869.4	7.060	137.6	47.42	.2283
#1	-.0004	.0371	.0004	.0211	-.0006	.0154	-.0004	.0004	1.799
#2	-.0003	.0274	.0005	.0203	.0005	.0136	-.0012	.0008	1.798
#3	-.0004	.0430	.0002	.0202	.0003	.0136	.0002	.0010	1.806

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0179**	**-.0001**	**.0001**	**-.0011**	**-.0004**	**.0001**	**.0196**	**-.0002**
Stddev	.0002	.0001	.0001	.0010	.0001	.0003	.0001	.0002
%RSD	1.052	50.23	122.5	88.60	25.08	526.8	.3445	88.82
#1	.0181	-.0001	.0002	-.0022	-.0005	-.0003	.0196	-.0000
#2	.0180	-.0002	.0001	-.0003	-.0003	.0003	.0196	-.0003
#3	.0177	-.0001	-.0000	-.0008	-.0003	.0002	.0195	-.0002

Zoom In Zoom Out

Sample Name: MP58072-MB1 7 Acquired: 10/20/2025 13:45:26 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**20501.**	**241090.**	**35772.**	**9671.8**
Stddev	34.	3582.	271.	19.0
%RSD	.16523	1.4858	.75787	.19600
#1	20538.	244970.	35690.	9693.6
#2	20494.	240410.	36075.	9663.4
#3	20471.	237910.	35552.	9658.6

Zoom In Zoom Out

Sample Name: MP58072-B1 Acquired: 10/20/2025 13:50:23 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2520**	**24.99**	**2.032**	**2.126**	**2.027**	**2.074**	**-.0053**	**26.00**	**1.990**
Stddev	.0010	.04	.004	.005	.004	.001	.0014	.04	.003
%RSD	.3906	.1629	.1959	.2368	.2188	.0220	26.97	.1697	.1721
#1	.2509	25.03	2.028	2.123	2.032	2.074	-.0052	26.05	1.988
#2	.2526	24.99	2.031	2.122	2.024	2.074	-.0039	25.98	1.988
#3	.2525	24.95	2.036	2.131	2.026	2.075	-.0067	25.97	1.994

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0024**	**1.979**	**2.005**	**2.014**	**25.40**	**25.08**	**-.0008**	**25.37**	**2.001**
Stddev	.0022	.003	.004	.002	.05	.09	.0006	.06	.025
%RSD	92.21	.1468	.1884	.0979	.1973	.3611	67.53	.2467	1.236
#1	.0018	1.977	2.002	2.013	25.45	25.18	-.0002	25.44	1.973
#2	.0006	1.978	2.009	2.016	25.36	25.05	-.0012	25.35	2.011
#3	.0049	1.982	2.005	2.013	25.37	25.00	-.0012	25.32	2.018

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.046**	**25.40**	**1.992**	**.0495**	**1.978**	**-.0179**	**2.012**	**1.973**	**1.861**
Stddev	.004	.05	.002	.0007	.003	.0005	.003	.003	.004
%RSD	.1706	.2120	.1130	1.504	.1568	2.657	.1353	.1309	.2388
#1	2.045	25.47	1.990	.0497	1.975	-.0181	2.010	1.974	1.858
#2	2.044	25.37	1.992	.0487	1.980	-.0182	2.010	1.970	1.859
#3	2.050	25.38	1.995	.0501	1.980	-.0173	2.015	1.975	1.866

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.085**	**2.067**	**2.023**	**2.003**	**1.974**	**1.945**	**2.030**	**2.007**
Stddev	.002	.025	.004	.003	.004	.004	.004	.004
%RSD	.0881	1.218	.1728	.1662	.2233	.2313	.1850	.1812
#1	2.086	2.096	2.020	2.002	1.969	1.942	2.026	2.003
#2	2.083	2.051	2.027	2.000	1.975	1.943	2.029	2.010
#3	2.087	2.054	2.022	2.007	1.977	1.950	2.034	2.007

Zoom In Zoom Out

Sample Name: MP58072-B1 Acquired: 10/20/2025 13:50:23 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**19378.**	**230160.**	**34933.**	**9358.6**
Stddev	15.	508.	300.	4.9
%RSD	.07719	.22092	.85964	.05239
#1	19383.	229880.	34586.	9359.0
#2	19361.	229840.	35125.	9353.5
#3	19389.	230740.	35086.	9363.3

Zoom In / Zoom Out

Sample Name: CCV Acquired: 10/20/2025 13:55:34 Type: QC
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2445**	**40.33**	**2.048**	**2.055**	**2.064**	**2.101**	**2.032**	**41.63**	**2.060**
Stddev	.0021	.06	.007	.002	.002	.003	.002	.06	.004
%RSD	.8792	.1479	.3235	.1016	.0828	.1556	.1139	.1421	.1805
#1	.2433	40.38	2.047	2.054	2.062	2.102	2.031	41.69	2.058
#2	.2432	40.26	2.043	2.053	2.065	2.104	2.031	41.63	2.057
#3	.2470	40.34	2.056	2.057	2.066	2.098	2.035	41.57	2.064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.032**	**2.038**	**2.035**	**2.037**	**40.82**	**40.40**	**2.057**	**40.79**	**2.036**
Stddev	.018	.000	.013	.020	.05	.05	.004	.13	.021
%RSD	.9085	.0152	.6412	.9917	.1201	.1218	.2202	.3122	1.057
#1	2.024	2.038	2.028	2.026	40.86	40.44	2.056	40.93	2.028
#2	2.018	2.038	2.027	2.025	40.83	40.34	2.062	40.74	2.060
#3	2.053	2.038	2.050	2.060	40.77	40.41	2.053	40.69	2.019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.061**	**40.72**	**2.054**	**2.049**	**2.047**	**2.036**	**2.054**	**2.064**	**5.057**
Stddev	.004	.04	.001	.006	.002	.001	.003	.005	.007
%RSD	.2104	.1014	.0547	.2969	.0807	.0281	.1367	.2341	.1314
#1	2.059	40.74	2.053	2.043	2.045	2.036	2.055	2.063	5.056
#2	2.058	40.67	2.054	2.048	2.047	2.037	2.051	2.060	5.050
#3	2.066	40.74	2.055	2.055	2.049	2.036	2.056	2.069	5.063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In / Zoom Out

Sample Name: CCV Acquired: 10/20/2025 13:55:34 Type: QC
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.080**	**2.120**	**2.026**	**2.065**	**2.000**	**2.011**	**2.084**	**2.012**
Stddev	.006	.021	.014	.001	.016	.004	.007	.014
%RSD	.2917	.9819	.7040	.0321	.7987	.2204	.3267	.7079
#1	2.080	2.111	2.018	2.065	1.991	2.011	2.081	2.005
#2	2.074	2.144	2.018	2.065	1.990	2.007	2.080	2.003
#3	2.087	2.106	2.043	2.066	2.018	2.016	2.092	2.029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**19303.**	**231900.**	**35406.**	**9450.0**
Stddev	86.	694.	341.	58.9
%RSD	.44808	.29919	.96258	.62278
#1	19345.	231910.	35017.	9475.4
#2	19360.	232580.	35651.	9492.0
#3	19203.	231190.	35549.	9382.8

Zoom In / Zoom Out

Sample Name: CCB Acquired: 10/20/2025 14:00:42 Type: QC
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**.0065**	**.0011**	**.0019**	**.0005**	**.0005**	**.0016**	**-.0127**	**.0004**
Stddev	.0004	.0121	.0009	.0002	.0003	.0001	.0006	.0038	.0001
%RSD	172.7	187.0	82.55	10.43	58.05	23.18	36.66	30.07	31.45
#1	-.0007	-.0068	.0019	.0020	.0004	.0004	.0009	-.0161	.0005
#2	-.0001	.0168	.0001	.0019	.0008	.0006	.0018	-.0086	.0004
#3	.0001	.0094	.0011	.0016	.0002	.0005	.0020	-.0132	.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**.0005**	**.0004**	**.0002**	**.0093**	**.0936**	**-.0013**	**.0102**	**.0003**
Stddev	.0027	.0002	.0002	.0003	.0048	.0268	.0038	.0024	.0000
%RSD	7240.	33.63	42.70	160.1	52.00	28.60	300.8	23.61	8.571
#1	.0030	.0007	.0003	-.0000	.0040	.1224	-.0056	.0113	.0002
#2	-.0019	.0006	.0003	.0000	.0134	.0891	.0015	.0120	.0003
#3	-.0012	.0003	.0006	.0005	.0105	.0694	.0003	.0075	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**-.0223**	**.0002**	**.0003**	**-.0003**	**-.0026**	**.0007**	**.0015**	**-.0061**
Stddev	.0001	.0081	.0002	.0007	.0007	.0013	.0006	.0007	.0012
%RSD	25.76	36.52	79.35	267.4	200.2	50.97	82.87	44.44	18.96
#1	.0006	-.0289	.0003	.0003	.0001	-.0011	.0013	.0019	-.0048
#2	.0006	-.0132	.0004	.0009	-.0000	-.0035	.0003	.0019	-.0064
#3	.0004	-.0247	.0000	-.0005	-.0011	-.0033	.0004	.0008	-.0071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In / Zoom Out

Sample Name: CCB Acquired: 10/20/2025 14:00:42 Type: QC
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0004**	**.0003**	**-.0003**	**.0002**	**.0011**	**-.0001**	**.0003**
Stddev	.0001	.0001	.0003	.0003	.0002	.0005	.0002	.0000
%RSD	49.24	36.14	107.5	105.5	92.63	44.07	162.2	6.489
#1	.0003	.0002	.0007	.0000	-.0000	.0014	.0000	.0003
#2	.0004	.0005	.0000	-.0004	.0003	.0013	-.0001	.0003
#3	.0002	.0004	.0002	-.0005	.0003	.0005	-.0004	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**20516.**	**236980.**	**35492.**	**9661.1**
Stddev	88.	1918.	260.	45.4
%RSD	.42893	.80948	.73379	.46969
#1	20535.	236750.	35226.	9670.7
#2	20593.	239000.	35746.	9701.0
#3	20420.	235180.	35503.	9611.8

Zoom In Zoom Out

Sample Name: MP58072-S1 Acquired: 10/20/2025 14:05:44 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2391**	**62.88**	**1.958**	**2.046**	**2.267**	**1.962**	**-.0057**	**111.1**	**1.900**
Stddev	.0041	.07	.005	.003	.003	.003	.0008	1.4	.004
%RSD	1.703	.1083	.2712	.1494	.1453	.1281	14.42	1.299	.1925
#1	.2437	62.80	1.956	2.044	2.263	1.960	-.0048	109.8	1.897
#2	.2377	62.89	1.954	2.045	2.267	1.962	-.0064	110.8	1.898
#3	.2359	62.94	1.964	2.050	2.270	1.965	-.0060	112.7	1.904

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1565**	**1.929**	**1.949**	**2.064**	**86.53**	**31.02**	**.0665**	**40.51**	**3.644**
Stddev	.0041	.003	.032	.029	.14	.05	.0021	.08	.080
%RSD	2.645	.1359	1.622	1.426	.1610	.1742	3.144	.1934	2.207
#1	.1612	1.928	1.985	2.097	86.37	30.95	.0646	40.42	3.736
#2	.1548	1.927	1.938	2.055	86.57	31.05	.0688	40.52	3.606
#3	.1534	1.932	1.925	2.040	86.64	31.05	.0660	40.58	3.589

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.912**	**26.77**	**1.990**	**2.907**	**2.724**	**1.360**	**1.609**	**1.872**	**9.241**
Stddev	.005	.04	.001	.006	.004	.004	.003	.004	.029
%RSD	.2523	.1582	.0642	.2221	.1465	.3080	.2042	.2374	.3180
#1	1.908	26.72	1.990	2.904	2.723	1.355	1.606	1.867	9.218
#2	1.910	26.77	1.988	2.903	2.721	1.360	1.608	1.871	9.231
#3	1.917	26.80	1.991	2.915	2.728	1.364	1.612	1.876	9.274

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.947**	**2.297**	**3.508**	**1.916**	**1.950**	**1.488**	**2.247**	**1.907**
Stddev	.004	.007	.053	.004	.031	.004	.006	.029
%RSD	.2014	.3063	1.502	.1996	1.601	.2388	.2679	1.499
#1	1.945	2.302	3.567	1.920	1.986	1.488	2.244	1.939
#2	1.944	2.289	3.491	1.913	1.938	1.484	2.243	1.897
#3	1.951	2.298	3.466	1.916	1.926	1.492	2.254	1.884

Zoom In Zoom Out

Sample Name: MP58072-S1 Acquired: 10/20/2025 14:05:44 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**19031.**	**232090.**	**35710.**	**9446.4**
Stddev	36.	4344.	262.	24.7
%RSD	.18660	1.8717	.73346	.26196
#1	19021.	227140.	36005.	9453.6
#2	19071.	233870.	35506.	9466.8
#3	19002.	235260.	35617.	9418.9

Zoom In Zoom Out

Sample Name: MP58072-S2 Acquired: 10/20/2025 14:10:58 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2431**	**61.91**	**1.986**	**2.046**	**2.367**	**1.972**	**-.0039**	**97.45**	**1.905**
Stddev	.0012	.06	.004	.003	.005	.002	.0003	1.57	.003
%RSD	.5108	.0966	.2188	.1216	.2115	.1140	9.075	1.613	.1499
#1	.2432	61.95	1.981	2.044	2.361	1.971	-.0042	99.09	1.901
#2	.2417	61.84	1.989	2.048	2.367	1.974	-.0035	95.95	1.906
#3	.2442	61.94	1.988	2.044	2.371	1.970	-.0039	97.31	1.906

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1488**	**1.937**	**1.997**	**2.113**	**91.60**	**32.83**	**.0713**	**41.63**	**4.089**
Stddev	.0030	.003	.012	.010	1.40	.04	.0014	.05	.010
%RSD	2.031	.1729	.6197	.4826	1.527	.1117	1.937	.1091	.2375
#1	.1474	1.933	1.997	2.111	92.38	32.85	.0724	41.68	4.078
#2	.1523	1.939	1.985	2.104	89.98	32.79	.0697	41.63	4.091
#3	.1467	1.938	2.010	2.124	92.44	32.86	.0717	41.58	4.097

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.924**	**26.95**	**2.000**	**2.865**	**4.075**	**.5171**	**1.610**	**1.873**	**6.146**
Stddev	.004	.02	.002	.003	.004	.0012	.006	.004	.044
%RSD	.1851	.0620	.1188	.1122	.1114	.2241	.3635	.2089	.7203
#1	1.920	26.97	1.997	2.862	4.070	.5165	1.603	1.869	6.095
#2	1.927	26.93	2.001	2.867	4.078	.5165	1.614	1.877	6.175
#3	1.925	26.95	2.001	2.867	4.078	.5185	1.613	1.874	6.167

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.956**	**2.194**	**3.479**	**1.924**	**2.010**	**1.559**	**2.294**	**1.938**
Stddev	.003	.014	.021	.001	.014	.004	.002	.011
%RSD	.1703	.6542	.5948	.0360	.7038	.2579	.0937	.5772
#1	1.953	2.188	3.475	1.924	2.011	1.554	2.292	1.937
#2	1.959	2.183	3.460	1.924	1.995	1.561	2.296	1.927
#3	1.956	2.210	3.501	1.925	2.023	1.561	2.295	1.950

Zoom In Zoom Out

Sample Name: MP58072-S2 Acquired: 10/20/2025 14:10:58 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**18892.**	**228230.**	**35330.**	**9346.4**
Stddev	12.	1195.	38.	4.0
%RSD	.06507	.52365	.10643	.04294
#1	18904.	227750.	35326.	9348.2
#2	18893.	229580.	35295.	9349.2
#3	18879.	227340.	35370.	9341.8

Inst QC: MA59582

Zoom In Zoom Out

Sample Name: JE21203-4 Acquired: 10/20/2025 14:16:14 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**27.20**	**.0418**	**.1880**	**.3705**	**.0015**	**-.0059**	**87.84**	**.0001**
Stddev	.0004	.03	.0006	.0011	.0002	.0000	.0007	1.72	.0001
%RSD	1414.	.1278	1.412	.6074	.0615	2.033	11.25	1.962	43.93
#1	.0003	27.18	.0423	.1891	.3703	.0015	-.0052	89.48	.0001
#2	.0002	27.24	.0419	.1882	.3707	.0015	-.0065	88.00	.0002
#3	-.0005	27.18	.0412	.1868	.3705	.0014	-.0059	86.04	.0001

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1555**	**.0332**	**.0922**	**.1617**	**62.96**	**6.405**	**.0616**	**16.72**	**2.172**
Stddev	.0025	.0003	.0004	.0009	.05	.048	.0007	.01	.014
%RSD	1.637	.9418	.4495	.5412	.0777	.7473	1.201	.0809	.6314
#1	.1532	.0332	.0917	.1607	62.91	6.401	.0624	16.71	2.178
#2	.1552	.0329	.0923	.1620	63.01	6.454	.0614	16.70	2.157
#3	.1582	.0335	.0925	.1623	62.96	6.359	.0610	16.73	2.182

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0033**	**2.119**	**.0787**	**2.617**	**.8968**	**.4791**	**.0107**	**.0037**	**2.674**
Stddev	.0000	.006	.0003	.005	.0022	.0019	.0008	.0029	.014
%RSD	.6637	.3010	.4358	.2054	.2503	.4005	7.094	78.30	.5293
#1	.0033	2.126	.0789	2.621	.8993	.4775	.0109	.0068	2.686
#2	.0034	2.113	.0783	2.619	.8959	.4812	.0114	.0030	2.679
#3	.0033	2.117	.0790	2.611	.8950	.4786	.0099	.0012	2.658

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0352**	**.2445**	**1.237**	**.0051**	**.1216**	**.0043**	**.3480**	**.0219**
Stddev	.0003	.0003	.005	.0002	.0006	.0003	.0003	.0003
%RSD	.9204	.1396	.3953	4.062	.5116	6.015	.0987	1.248
#1	.0354	.2443	1.231	.0054	.1209	.0045	.3484	.0216
#2	.0354	.2448	1.239	.0049	.1216	.0043	.3480	.0218
#3	.0349	.2443	1.239	.0051	.1222	.0040	.3477	.0221

Zoom In Zoom Out

Sample Name: JE21203-4 Acquired: 10/20/2025 14:16:14 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**19744.**	**233550.**	**36158.**	**9750.3**
Stddev	21.	1160.	153.	18.3
%RSD	.10590	.49665	.42392	.18800
#1	19766.	234720.	36243.	9765.5
#2	19724.	233520.	35981.	9730.0
#3	19742.	232400.	36250.	9755.6

Zoom In Zoom Out

Sample Name: MP58072-SD1 Acquired: 10/20/2025 14:21:25 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0027**	**28.47**	**.0389**	**.1943**	**.3890**	**-.0000**	**-.0217**	**93.41**	**.0000**
Stddev	.0017	.65	.0041	.0009	.0103	.0001	.0042	2.09	.0004
%RSD	60.77	2.298	10.56	.4575	2.639	402.2	19.45	2.234	1523.
#1	-.0015	29.05	.0437	.1953	.3990	.0000	-.0256	95.35	-.0000
#2	-.0046	28.59	.0372	.1938	.3893	-.0001	-.0223	93.68	.0004
#3	-.0021	27.76	.0360	.1937	.3785	.0000	-.0172	91.20	-.0003

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1310**	**.0361**	**.0897**	**.1523**	**66.65**	**6.714**	**.0591**	**17.93**	**2.131**
Stddev	.0117	.0004	.0019	.0054	1.48	.157	.0068	.37	.053
%RSD	8.900	1.191	2.067	3.572	2.224	2.339	11.47	2.058	2.491
#1	.1296	.0366	.0902	.1570	68.04	6.860	.0662	18.29	2.174
#2	.1434	.0358	.0912	.1536	66.82	6.735	.0527	17.93	2.147
#3	.1202	.0359	.0876	.1463	65.09	6.548	.0585	17.55	2.072

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0044**	**1.998**	**.0784**	**2.548**	**.8631**	**.4435**	**.0203**	**-.0023**	**2.576**
Stddev	.0003	.044	.0017	.016	.0053	.0070	.0013	.0054	.025
%RSD	6.393	2.212	2.155	.6250	.6102	1.568	6.454	229.9	.9868
#1	.0043	2.041	.0771	2.566	.8683	.4508	.0216	.0039	2.605
#2	.0047	2.002	.0803	2.545	.8631	.4428	.0202	-.0058	2.561
#3	.0042	1.952	.0778	2.534	.8578	.4369	.0190	-.0051	2.562

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0230**	**.2542**	**1.181**	**.0031**	**.1167**	**.0105**	**.3455**	**.0192**
Stddev	.0018	.0057	.030	.0041	.0035	.0051	.0019	.0013
%RSD	8.027	2.246	2.570	132.1	2.981	49.01	.5577	6.604
#1	.0239	.2597	1.205	-.0014	.1199	.0137	.3476	.0198
#2	.0209	.2546	1.190	.0064	.1173	.0131	.3438	.0201
#3	.0242	.2483	1.147	.0043	.1130	.0045	.3452	.0178

Zoom In Zoom Out

Sample Name: MP58072-SD1 Acquired: 10/20/2025 14:21:25 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**20262.**	**238650.**	**36005.**	**9697.2**
Stddev	11.	2357.	106.	3.7
%RSD	.05527	.98742	.29557	.03808
#1	20255.	238440.	35909.	9696.9
#2	20256.	236410.	35988.	9693.6
#3	20275.	241110.	36119.	9701.0

Inst QC: MA59582

Zoom In Zoom Out

Sample Name: MP58072-PS1 Acquired: 10/20/2025 14:26:20 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2637**	**52.16**	**2.162**	**2.250**	**2.475**	**2.172**	**-.0045**	**109.3**	**2.098**
Stddev	.0066	.11	.004	.003	.007	.004	.0009	1.6	.002
%RSD	2.488	.2089	.1729	.1467	.2805	.1696	19.12	1.508	.0909
#1	.2657	52.20	2.166	2.253	2.478	2.176	-.0048	107.4	2.100
#2	.2691	52.04	2.162	2.250	2.468	2.169	-.0036	110.3	2.099
#3	.2564	52.24	2.159	2.247	2.481	2.173	-.0052	110.2	2.096

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1394**	**2.133**	**2.164**	**2.264**	**85.92**	**32.40**	**.0521**	**41.88**	**4.050**
Stddev	.0035	.002	.052	.051	.15	.14	.0013	.12	.073
%RSD	2.547	.0760	2.402	2.276	.1748	.4318	2.569	.2927	1.800
#1	.1424	2.135	2.184	2.277	86.04	32.48	.0516	42.02	4.064
#2	.1402	2.132	2.204	2.307	85.75	32.24	.0510	41.79	4.115
#3	.1355	2.133	2.106	2.207	85.97	32.49	.0536	41.83	3.971

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.109**	**28.58**	**2.187**	**2.464**	**2.974**	**.4377**	**2.101**	**2.092**	**2.720**
Stddev	.002	.05	.003	.002	.003	.0017	.002	.004	.021
%RSD	.0857	.1873	.1307	.0844	.1024	.3980	.0774	.1681	.7609
#1	2.111	28.60	2.191	2.466	2.977	.4359	2.102	2.095	2.719
#2	2.109	28.52	2.185	2.465	2.972	.4377	2.100	2.093	2.741
#3	2.108	28.62	2.186	2.462	2.971	.4394	2.099	2.088	2.699

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.153**	**2.391**	**3.228**	**2.123**	**2.167**	**2.063**	**2.423**	**2.084**
Stddev	.001	.007	.076	.003	.053	.003	.001	.050
%RSD	.0452	.3155	2.347	.1232	2.471	.1637	.0571	2.398
#1	2.154	2.385	3.256	2.127	2.184	2.067	2.425	2.103
#2	2.153	2.399	3.286	2.122	2.210	2.060	2.423	2.121
#3	2.153	2.389	3.142	2.122	2.107	2.062	2.422	2.027

Zoom In Zoom Out

Sample Name: MP58072-PS1 Acquired: 10/20/2025 14:26:20 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**19252.**	**235020.**	**36046.**	**9576.2**
Stddev	23.	5667.	131.	12.0
%RSD	.11987	2.4114	.36442	.12523
#1	19239.	232420.	36130.	9572.1
#2	19238.	231110.	35894.	9566.8
#3	19279.	241520.	36113.	9589.7

Zoom In Zoom Out

Sample Name: JE1201-14R Acquired: 10/20/2025 14:31:33 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0086**	**45.75**	**.0317**	**.2075**	**.8870**	**.0021**	**.0007**	**32.66**	**.0087**
Stddev	.0003	.04	.0010	.0009	.0010	.0000	.0013	.05	.0002
%RSD	3.061	.0872	3.082	.4404	.1137	2.046	192.7	.1464	2.668
#1	.0084	45.71	.0327	.2074	.8859	.0021	.0020	32.61	.0085
#2	.0089	45.76	.0316	.2066	.8879	.0020	-.0007	32.70	.0086
#3	.0086	45.79	.0307	.2085	.8870	.0021	.0007	32.68	.0090

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2164**	**.0463**	**.2916**	**.5562**	**119.9**	**4.549**	**.0605**	**20.59**	**5.850**
Stddev	.0061	.0002	.0068	.0127	2.1	.014	.0016	.03	.134
%RSD	2.838	.3315	2.342	2.280	1.713	.3101	2.685	.1677	2.298
#1	.2108	.0464	.2852	.5451	120.4	4.540	.0599	20.56	5.770
#2	.2153	.0464	.2908	.5535	121.7	4.542	.0624	20.63	5.774
#3	.2230	.0461	.2988	.5701	117.6	4.566	.0594	20.59	6.005

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0059**	**2.519**	**.1159**	F **13.10**	**.7994**	**13.27**	**.0091**	**.0080**	**2.757**
Stddev	.0002	.013	.0003	.00	.0013	.01	.0002	.0021	.044
%RSD	3.272	.5226	.2219	.0044	.1658	.0874	2.103	25.73	1.598
#1	.0059	2.510	.1156	13.10	.7991	13.28	.0093	.0072	2.737
#2	.0058	2.534	.1160	13.10	.8008	13.28	.0092	.0064	2.807
#3	.0062	2.513	.1160	13.10	.7982	13.26	.0089	.0103	2.726

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2671**	**.1545**	**1.450**	**.0022**	**.1296**	**.0048**	**2.176**	**.0246**
Stddev	.0003	.0001	.035	.0006	.0029	.0016	.001	.0007
%RSD	.1034	.0906	2.392	27.59	2.262	32.29	.0577	2.930
#1	.2673	.1543	1.418	.0021	.1268	.0053	2.175	.0239
#2	.2672	.1546	1.445	.0028	.1292	.0061	2.177	.0245
#3	.2668	.1545	1.487	.0016	.1327	.0031	2.175	.0253

Zoom In Zoom Out

Sample Name: JE1201-14R Acquired: 10/20/2025 14:31:33 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**19912.**	**239710.**	**37026.**	**9825.6**
Stddev	39.	5053.	223.	24.2
%RSD	.19757	2.1081	.60141	.24643
#1	19925.	244660.	37240.	9831.2
#2	19942.	239910.	36795.	9846.5
#3	19867.	234560.	37043.	9799.0

Zoom In Zoom Out

Sample Name: JE21203-1 Acquired: 10/20/2025 14:36:40 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0003**	**71.95**	**.0425**	**.1864**	**.3555**	**.0033**	**-.0085**	**27.55**	**.0003**
Stddev	.0000	.08	.0009	.0011	.0003	.0001	.0016	.03	.0001
%RSD	10.59	.1141	2.076	.5651	.0810	1.785	18.45	.1190	33.77
#1	-.0003	72.05	.0418	.1853	.3557	.0033	-.0072	27.58	.0003
#2	-.0003	71.89	.0424	.1874	.3557	.0032	-.0102	27.54	.0002
#3	-.0003	71.92	.0435	.1865	.3552	.0033	-.0081	27.52	.0003

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2554**	**.0697**	**.1112**	**.2893**	**174.5**	**6.046**	**.1314**	**21.49**	**2.160**
Stddev	.0006	.0001	.0004	.0014	2.6	.013	.0019	.05	.016
%RSD	.2264	.1360	.3689	.4865	1.484	.2140	1.415	.2460	.7565
#1	.2548	.0696	.1114	.2895	172.6	6.058	.1308	21.53	2.145
#2	.2557	.0698	.1115	.2906	177.4	6.032	.1299	21.43	2.158
#3	.2558	.0696	.1107	.2878	173.4	6.048	.1334	21.52	2.178

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0324**	**3.067**	**.1382**	**4.203**	**.8609**	**.8536**	**.0036**	**.0037**	**2.658**
Stddev	.0001	.015	.0002	.005	.0011	.0013	.0009	.0003	.008
%RSD	.2574	.4848	.1128	.1090	.1330	.1529	25.53	7.586	.2896
#1	.0323	3.084	.1381	4.198	.8622	.8539	.0046	.0034	2.650
#2	.0324	3.056	.1381	4.206	.8606	.8522	.0028	.0039	2.666
#3	.0324	3.060	.1384	4.204	.8600	.8547	.0035	.0038	2.659

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0341**	**.2977**	**1.484**	**.0009**	**.1487**	**.0037**	**.3214**	**.0413**
Stddev	.0003	.0008	.007	.0016	.0009	.0005	.0002	.0003
%RSD	.9099	.2703	.4499	177.3	.5891	13.12	.0647	.7841
#1	.0343	.2980	1.485	.0026	.1485	.0036	.3212	.0414
#2	.0337	.2983	1.491	.0006	.1497	.0032	.3216	.0415
#3	.0342	.2968	1.477	-.0006	.1480	.0042	.3214	.0409

Zoom In Zoom Out

Sample Name: JE21203-1 Acquired: 10/20/2025 14:36:40 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**20046.**	**242360.**	**36778.**	**9872.4**
Stddev	27.	1547.	266.	16.1
%RSD	.13618	.63821	.72341	.16321
#1	20037.	241190.	36505.	9872.8
#2	20025.	241780.	37037.	9856.2
#3	20077.	244110.	36793.	9888.4

Zoom In Zoom Out

Sample Name: JE21203-2 Acquired: 10/20/2025 14:41:48 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**85.55**	**.1736**	**.1816**	**.2522**	**.0028**	**-.0035**	**22.51**	**.0026**
Stddev	.0002	.11	.0007	.0009	.0004	.0000	.0018	.04	.0001
%RSD	4361.	.1309	.3971	.5041	.1405	.1712	50.68	.1581	4.679
#1	-.0001	85.56	.1743	.1815	.2519	.0028	-.0051	22.52	.0026
#2	.0002	85.44	.1729	.1808	.2526	.0028	-.0016	22.47	.0027
#3	-.0001	85.66	.1736	.1826	.2521	.0028	-.0039	22.55	.0025

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2245**	**.0429**	**.1340**	**.4048**	**116.4**	**3.840**	**.1484**	**13.61**	**1.933**
Stddev	.0031	.0002	.0013	.0061	1.4	.071	.0012	.02	.025
%RSD	1.366	.5579	.9704	1.506	1.220	1.838	.8406	.1782	1.319
#1	.2270	.0431	.1354	.4114	117.8	3.868	.1470	13.62	1.958
#2	.2211	.0428	.1329	.3995	115.0	3.892	.1489	13.59	1.907
#3	.2255	.0427	.1336	.4034	116.3	3.759	.1493	13.64	1.934

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0050**	**.7938**	**.1272**	**7.958**	**.7925**	**1.327**	**.0066**	**.0067**	**2.501**
Stddev	.0002	.0025	.0001	.002	.0013	.003	.0006	.0011	.013
%RSD	4.000	.3135	.0978	.0254	.1652	.2291	9.316	16.77	.5037
#1	.0050	.7926	.1272	7.957	.7928	1.330	.0064	.0065	2.507
#2	.0048	.7922	.1271	7.956	.7910	1.325	.0073	.0057	2.486
#3	.0052	.7967	.1273	7.960	.7935	1.324	.0061	.0079	2.509

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0312**	**.0629**	**1.713**	**-.0002**	**.2152**	**.0021**	**1.614**	**.0106**
Stddev	.0002	.0002	.017	.0003	.0021	.0001	.001	.0002
%RSD	.6868	.2992	1.001	142.0	.9821	6.291	.0499	1.500
#1	.0314	.0629	1.732	-.0005	.2174	.0020	1.615	.0107
#2	.0310	.0631	1.699	.0001	.2132	.0023	1.615	.0107
#3	.0312	.0627	1.709	-.0004	.2149	.0021	1.614	.0104

Zoom In Zoom Out

Sample Name: JE21203-2 Acquired: 10/20/2025 14:41:48 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**20009.**	**241850.**	**37193.**	**9857.3**
Stddev	5.	1832.	285.	5.8
%RSD	.02609	.75755	.76643	.05861
#1	20011.	239850.	36938.	9861.7
#2	20003.	243460.	37501.	9850.8
#3	20012.	242230.	37141.	9859.4

Zoom In Zoom Out

Sample Name: JE21203-3 Acquired: 10/20/2025 14:46:55 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0015**	**32.05**	**.0215**	**.1897**	**.3189**	**.0010**	**-.0071**	**28.30**	**.0006**
Stddev	.0004	.05	.0006	.0004	.0008	.0001	.0002	.08	.0001
%RSD	23.11	.1688	2.654	.2070	.2363	6.143	3.495	.2920	16.06
#1	-.0017	32.11	.0212	.1899	.3197	.0010	-.0071	28.39	.0007
#2	-.0011	32.00	.0210	.1899	.3182	.0009	-.0074	28.26	.0005
#3	-.0017	32.03	.0221	.1892	.3188	.0010	-.0069	28.24	.0006

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3671**	**.0649**	**.0532**	**1.200**	**166.5**	**11.08**	**.0786**	**17.41**	**2.863**
Stddev	.0095	.0001	.0008	.018	1.9	.02	.0020	.03	.043
%RSD	2.596	.0987	1.523	1.521	1.148	.1952	2.505	.1538	1.518
#1	.3585	.0648	.0526	1.183	168.7	11.06	.0763	17.44	2.842
#2	.3655	.0649	.0530	1.198	165.2	11.10	.0798	17.40	2.834
#3	.3773	.0649	.0541	1.220	165.6	11.09	.0796	17.39	2.913

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0052**	**1.629**	**.0693**	F **10.04**	**.0741**	**.9937**	**.0054**	**.0023**	**2.309**
Stddev	.0003	.007	.0001	.01	.0005	.0003	.0017	.0003	.014
%RSD	6.177	.4152	.1367	.1423	.6346	.0259	31.43	15.37	.6114
#1	.0054	1.623	.0694	10.03	.0746	.9937	.0056	.0021	2.311
#2	.0048	1.637	.0694	10.04	.0741	.9939	.0036	.0020	2.323
#3	.0054	1.629	.0692	10.06	.0737	.9934	.0069	.0027	2.295

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0156**	**.0564**	**1.425**	**.0016**	**.0712**	**-.0048**	**.3899**	**.0265**
Stddev	.0003	.0003	.021	.0002	.0011	.0012	.0003	.0005
%RSD	2.093	.5082	1.442	14.06	1.614	23.93	.0801	1.851
#1	.0153	.0567	1.406	.0014	.0701	-.0052	.3902	.0261
#2	.0160	.0561	1.421	.0014	.0710	-.0035	.3901	.0262
#3	.0156	.0564	1.447	.0018	.0724	-.0058	.3896	.0270

Zoom In Zoom Out

Sample Name: JE21203-3 Acquired: 10/20/2025 14:46:55 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**20022.**	**246460.**	**37407.**	**9979.6**
Stddev	67.	2893.	173.	30.4
%RSD	.33590	1.1739	.46348	.30436
#1	19955.	249250.	37262.	9949.0
#2	20022.	246670.	37599.	9979.9
#3	20090.	243470.	37360.	10010.

Zoom In Zoom Out

Sample Name: JE21203-5 Acquired: 10/20/2025 14:52:04 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0008**	**63.47**	**.0185**	**.1764**	**.3706**	**.0033**	**-.0054**	**10.29**	**.0005**
Stddev	.0003	.12	.0010	.0010	.0008	.0001	.0030	.03	.0002
%RSD	32.52	.1832	5.207	.5427	.2231	1.911	55.12	.2639	40.01
#1	-.0005	63.35	.0192	.1773	.3697	.0032	-.0080	10.26	.0008
#2	-.0009	63.57	.0174	.1754	.3713	.0034	-.0061	10.31	.0003
#3	-.0009	63.50	.0189	.1765	.3707	.0033	-.0021	10.30	.0005

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2640**	**.0745**	**.1720**	**.3051**	**114.7**	**13.64**	**.0733**	**29.00**	**3.839**
Stddev	.0031	.0004	.0001	.0012	3.6	.04	.0012	.05	.044
%RSD	1.165	.5541	.0462	.3776	3.170	.2817	1.656	.1806	1.152
#1	.2610	.0750	.1719	.3054	118.5	13.60	.0731	28.94	3.807
#2	.2637	.0745	.1721	.3060	114.1	13.63	.0723	29.05	3.820
#3	.2672	.0741	.1719	.3038	111.3	13.68	.0747	29.00	3.890

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0032**	**2.099**	**.4874**	**3.017**	**.0944**	**.1513**	**.0002**	**.0020**	**2.478**
Stddev	.0003	.003	.0012	.009	.0008	.0017	.0014	.0015	.011
%RSD	7.985	.1427	.2497	.2891	.8183	1.143	590.2	71.19	.4397
#1	.0031	2.102	.4885	3.027	.0935	.1504	.0015	.0030	2.480
#2	.0030	2.098	.4878	3.013	.0951	.1533	-.0013	.0028	2.467
#3	.0034	2.097	.4861	3.011	.0945	.1502	.0005	.0004	2.488

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0187**	**.0834**	**3.423**	**-.0005**	**.1833**	**-.0044**	**.2974**	**.0331**
Stddev	.0002	.0002	.004	.0004	.0001	.0003	.0008	.0001
%RSD	.9392	.2668	.1169	75.76	.0428	5.838	.2526	.3731
#1	.0187	.0831	3.423	-.0008	.1832	-.0045	.2982	.0331
#2	.0188	.0835	3.427	-.0006	.1832	-.0047	.2975	.0332
#3	.0185	.0835	3.419	-.0001	.1834	-.0042	.2967	.0330

Zoom In Zoom Out

Sample Name: JE21203-5 Acquired: 10/20/2025 14:52:04 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**19808.**	**237370.**	**36670.**	**9842.5**
Stddev	33.	647.	267.	18.3
%RSD	.16607	.27259	.72737	.18563
#1	19775.	237170.	36567.	9822.8
#2	19807.	238090.	36471.	9858.8
#3	19841.	236840.	36973.	9846.1

Inst QC: MA59582

Zoom In / Zoom Out

Sample Name: CCV Acquired: 10/20/2025 14:57:17 Type: QC
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2469**	**40.49**	**2.050**	**2.058**	**2.097**	**2.107**	**2.027**	**41.83**	**2.061**
Stddev	.0018	.04	.003	.001	.003	.002	.003	.01	.000
%RSD	.7289	.0886	.1335	.0517	.1565	.1010	.1307	.0345	.0198
#1	.2462	40.51	2.051	2.059	2.100	2.109	2.028	41.85	2.061
#2	.2455	40.45	2.048	2.057	2.094	2.107	2.024	41.83	2.061
#3	.2489	40.51	2.053	2.059	2.097	2.104	2.029	41.82	2.061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.058**	**2.055**	**2.056**	**2.054**	**41.10**	**40.77**	**2.083**	**40.97**	**2.032**
Stddev	.022	.002	.015	.020	.04	.07	.004	.01	.015
%RSD	1.075	.0799	.7479	.9722	.1013	.1785	.2005	.0194	.7396
#1	2.051	2.056	2.054	2.047	41.14	40.84	2.087	40.97	2.048
#2	2.040	2.053	2.042	2.039	41.06	40.69	2.084	40.98	2.018
#3	2.083	2.056	2.073	2.077	41.11	40.77	2.079	40.98	2.031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.064**	**40.96**	**2.068**	**2.050**	**2.063**	**2.047**	**2.052**	**2.068**	**5.082**
Stddev	.001	.07	.001	.002	.001	.004	.003	.002	.006
%RSD	.0514	.1593	.0387	.1059	.0354	.1781	.1251	.1038	.1256
#1	2.064	41.02	2.068	2.049	2.062	2.042	2.055	2.070	5.090
#2	2.065	40.89	2.067	2.049	2.063	2.048	2.050	2.069	5.079
#3	2.063	40.97	2.069	2.053	2.064	2.049	2.050	2.066	5.078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In / Zoom Out

Sample Name: CCV Acquired: 10/20/2025 14:57:17 Type: QC
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.083**	**2.101**	**2.045**	**2.086**	**2.020**	**2.019**	**2.096**	**2.029**
Stddev	.001	.015	.018	.003	.015	.002	.001	.019
%RSD	.0354	.6920	.8791	.1573	.7381	.1080	.0418	.9278
#1	2.082	2.110	2.041	2.089	2.017	2.019	2.096	2.023
#2	2.083	2.109	2.030	2.087	2.008	2.017	2.097	2.015
#3	2.083	2.084	2.065	2.083	2.037	2.021	2.096	2.051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**19276.**	**230590.**	**35424.**	**9488.4**
Stddev	44.	1133.	101.	25.9
%RSD	.22981	.49118	.28497	.27279
#1	19306.	230630.	35312.	9505.3
#2	19225.	231700.	35507.	9458.6
#3	19297.	229430.	35453.	9501.3

Zoom In / Zoom Out

Sample Name: CCB Acquired: 10/20/2025 15:02:25 Type: QC
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**-.0001**	**.0013**	**.0014**	**.0004**	**.0005**	**.0004**	**-.0114**	**.0002**
Stddev	.0004	.0073	.0006	.0002	.0002	.0002	.0009	.0045	.0001
%RSD	263.4	12710.	48.10	11.01	46.04	37.64	246.4	39.98	33.21
#1	.0003	-.0085	.0015	.0015	.0004	.0003	-.0002	-.0160	.0002
#2	-.0003	.0047	.0006	.0012	.0006	.0007	-.0001	-.0069	.0002
#3	-.0004	.0036	.0018	.0014	.0002	.0005	.0015	-.0112	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0015**	**.0005**	**.0004**	**.0004**	**.0167**	**.0757**	**-.0019**	**.0110**	**.0005**
Stddev	.0013	.0000	.0004	.0005	.0059	.0292	.0023	.0074	.0002
%RSD	90.86	6.895	83.24	145.7	35.59	38.58	124.3	66.82	38.85
#1	-.0002	.0005	.0008	-.0002	.0100	.0693	-.0043	.0059	.0006
#2	-.0014	.0005	.0004	.0008	.0213	.1076	.0003	.0195	.0005
#3	-.0028	.0005	.0001	.0005	.0187	.0502	-.0016	.0076	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**-.0340**	**.0002**	**.0008**	**.0001**	**-.0014**	**.0005**	**-.0009**	**-.0057**
Stddev	.0000	.0095	.0002	.0002	.0007	.0008	.0012	.0011	.0004
%RSD	7.964	28.03	83.90	29.58	834.1	55.49	236.4	125.0	6.291
#1	.0004	-.0440	.0000	.0008	.0004	-.0008	.0012	.0004	-.0058
#2	.0005	-.0250	.0003	.0010	-.0007	-.0023	-.0009	-.0012	-.0061
#3	.0005	-.0331	.0003	.0006	.0005	-.0011	.0013	-.0017	-.0054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In / Zoom Out

Sample Name: CCB Acquired: 10/20/2025 15:02:25 Type: QC
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0003**	**.0005**	**.0006**	**.0007**	**-.0006**	**-.0001**	**.0005**
Stddev	.0004	.0002	.0002	.0007	.0003	.0004	.0001	.0002
%RSD	119.6	54.59	35.86	108.5	46.31	65.19	84.64	27.47
#1	.0007	.0001	.0005	.0013	.0010	-.0003	-.0001	.0006
#2	-.0001	.0005	.0003	-.0000	.0005	-.0010	-.0000	.0007
#3	.0004	.0004	.0006	.0006	.0005	-.0004	-.0001	.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**20455.**	**239520.**	**35600.**	**9698.4**
Stddev	56.	5637.	275.	31.9
%RSD	.27147	2.3536	.77201	.32896
#1	20404.	246010.	35340.	9671.6
#2	20447.	235860.	35573.	9689.8
#3	20515.	236690.	35887.	9733.7

Zoom In Zoom Out

Sample Name: JE21203-6 Acquired: 10/20/2025 15:07:26 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**53.60**	**.0440**	**.1862**	**.4083**	**.0017**	**-.0049**	**103.9**	**.0001**
Stddev	.0000	.10	.0006	.0003	.0011	.0000	.0020	.9	.0003
%RSD	7.179	.1786	1.290	.1618	.2573	2.331	40.93	.9003	489.3
#1	.0005	53.50	.0439	.1864	.4072	.0017	-.0072	103.3	-.0001
#2	.0005	53.69	.0434	.1864	.4093	.0018	-.0041	105.0	-.0001
#3	.0005	53.60	.0445	.1859	.4085	.0018	-.0035	103.4	.0003

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1675**	**.0392**	**.1071**	**.1843**	**103.1**	**5.680**	**.0676**	**50.28**	**1.486**
Stddev	.0051	.0001	.0025	.0048	.7	.004	.0024	.06	.030
%RSD	3.027	.1714	2.353	2.602	.6476	.0792	3.506	.1225	2.035
#1	.1645	.0393	.1064	.1824	103.8	5.676	.0693	50.21	1.501
#2	.1647	.0392	.1050	.1807	103.0	5.680	.0687	50.33	1.451
#3	.1734	.0392	.1099	.1897	102.5	5.685	.0649	50.30	1.506

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0047**	**5.323**	**.1476**	**4.069**	**.4999**	**1.721**	**.0097**	**.0023**	**2.978**
Stddev	.0002	.006	.0002	.008	.0006	.003	.0007	.0002	.010
%RSD	3.437	.1201	.1220	.1986	.1118	.1768	7.669	9.465	.3230
#1	.0046	5.331	.1478	4.070	.5004	1.718	.0096	.0023	2.967
#2	.0046	5.320	.1477	4.077	.5001	1.724	.0091	.0020	2.980
#3	.0049	5.319	.1474	4.061	.4993	1.721	.0105	.0025	2.986

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0216**	**.1463**	**1.453**	**.0047**	**.1148**	**-.0015**	**.8846**	**.0204**
Stddev	.0005	.0002	.034	.0015	.0023	.0005	.0026	.0005
%RSD	2.254	.1369	2.324	31.84	2.020	31.81	.2938	2.311
#1	.0210	.1461	1.443	.0035	.1143	-.0010	.8849	.0202
#2	.0218	.1463	1.425	.0063	.1127	-.0019	.8870	.0201
#3	.0219	.1465	1.491	.0042	.1173	-.0015	.8818	.0209

Zoom In Zoom Out

Sample Name: JE21203-6 Acquired: 10/20/2025 15:07:26 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**19473.**	**236460.**	**36403.**	**9698.1**
Stddev	68.	4571.	207.	46.3
%RSD	.34782	1.9329	.56786	.47757
#1	19459.	235770.	36467.	9693.2
#2	19414.	241340.	36172.	9654.4
#3	19547.	232280.	36570.	9746.7

Zoom In Zoom Out

Sample Name: JE21203-7 Acquired: 10/20/2025 15:12:45 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**65.17**	**.0217**	**.1822**	**.2943**	**.0085**	**-.0048**	**9.376**	**.0053**
Stddev	.0001	.05	.0005	.0005	.0004	.0001	.0004	.010	.0001
%RSD	38.03	.0705	2.394	.2747	.1313	.9806	7.336	.1061	1.616
#1	.0002	65.14	.0216	.1820	.2945	.0086	-.0046	9.385	.0053
#2	.0002	65.16	.0222	.1819	.2938	.0084	-.0046	9.365	.0054
#3	.0004	65.22	.0212	.1828	.2945	.0086	-.0052	9.379	.0054

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2060**	**.0729**	**.2045**	**.1950**	**128.3**	**9.578**	**.1065**	**32.19**	**3.069**
Stddev	.0033	.0001	.0028	.0027	1.9	.016	.0026	.09	.064
%RSD	1.587	.1507	1.350	1.403	1.461	.1628	2.469	.2812	2.096
#1	.2023	.0728	.2027	.1929	127.9	9.560	.1079	32.09	3.017
#2	.2072	.0728	.2032	.1940	130.3	9.587	.1082	32.21	3.049
#3	.2086	.0730	.2077	.1981	126.6	9.587	.1035	32.27	3.141

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0070**	**.9062**	**.5004**	**2.514**	**.0729**	**.0874**	**.0057**	**.0106**	**2.726**
Stddev	.0003	.0032	.0006	.004	.0005	.0025	.0011	.0009	.018
%RSD	4.544	.3497	.1226	.1647	.6537	2.888	20.13	8.268	.6787
#1	.0073	.9098	.4998	2.512	.0733	.0880	.0060	.0116	2.724
#2	.0071	.9053	.5002	2.510	.0724	.0846	.0066	.0101	2.709
#3	.0067	.9037	.5010	2.518	.0730	.0896	.0044	.0101	2.746

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0209**	**.0811**	**2.295**	**.0049**	**.1741**	**-.0003**	**.2917**	**.0368**
Stddev	.0005	.0002	.033	.0010	.0018	.0013	.0003	.0006
%RSD	2.462	.2805	1.433	20.74	1.046	423.1	.1135	1.651
#1	.0205	.0813	2.274	.0060	.1727	.0011	.2916	.0364
#2	.0207	.0809	2.279	.0045	.1734	-.0012	.2915	.0366
#3	.0215	.0811	2.333	.0041	.1762	-.0008	.2921	.0375

Zoom In Zoom Out

Sample Name: JE21203-7 Acquired: 10/20/2025 15:12:45 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**19976.**	**242250.**	**37014.**	**9892.9**
Stddev	37.	2847.	78.	19.4
%RSD	.18338	1.1753	.20945	.19581
#1	20019.	244160.	37061.	9915.3
#2	19953.	243610.	37057.	9882.0
#3	19957.	238980.	36925.	9881.5

Zoom In Zoom Out

Sample Name: JE21203-8 Acquired: 10/20/2025 15:17:55 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**27.05**	**.0113**	**.1784**	**.1516**	**.0009**	**-.0070**	**8.069**	**-.0001**
Stddev	.0001	.13	.0009	.0003	.0010	.0000	.0008	.040	.0002
%RSD	348.9	.4638	7.840	.1850	.6356	.9938	11.17	.4892	173.4
#1	-.0000	26.99	.0111	.1784	.1510	.0009	-.0073	8.058	-.0003
#2	.0001	26.97	.0123	.1788	.1511	.0009	-.0061	8.037	-.0002
#3	-.0002	27.20	.0106	.1781	.1527	.0009	-.0077	8.113	.0001

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1325**	**.0266**	**.0779**	**.0940**	**51.47**	**5.093**	**.0301**	**12.18**	**1.590**
Stddev	.0041	.0001	.0015	.0020	.25	.013	.0029	.05	.011
%RSD	3.075	.5428	1.866	2.081	.4907	.2506	9.789	.4058	.6665
#1	.1283	.0267	.0766	.0919	51.36	5.099	.0308	12.18	1.582
#2	.1326	.0264	.0795	.0958	51.29	5.078	.0269	12.13	1.602
#3	.1365	.0266	.0776	.0942	51.76	5.102	.0326	12.23	1.588

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007**	**2.424**	**.1835**	**2.560**	**.0293**	**.1043**	**.0004**	**.0006**	**2.505**
Stddev	.0001	.009	.0004	.006	.0006	.0011	.0012	.0015	.017
%RSD	11.17	.3828	.2034	.2517	2.051	1.040	286.5	260.1	.6824
#1	.0007	2.422	.1835	2.552	.0291	.1044	-.0005	.0011	2.509
#2	.0007	2.417	.1839	2.562	.0300	.1031	.0000	-.0011	2.521
#3	.0006	2.435	.1831	2.565	.0288	.1053	.0018	.0018	2.487

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0154**	**.0407**	**.8841**	**-.0003**	**.0689**	**-.0031**	**.1131**	**.0161**
Stddev	.0008	.0003	.0145	.0007	.0013	.0007	.0001	.0002
%RSD	5.253	.6265	1.635	238.0	1.922	21.54	.0979	.9769
#1	.0161	.0407	.8691	.0001	.0674	-.0037	.1130	.0161
#2	.0156	.0405	.8979	-.0011	.0701	-.0033	.1132	.0163
#3	.0146	.0410	.8852	.0001	.0691	-.0024	.1131	.0160

Zoom In Zoom Out

Sample Name: JE21203-8 Acquired: 10/20/2025 15:17:55 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**19949.**	**240090.**	**36289.**	**9823.7**
Stddev	33.	2765.	111.	21.0
%RSD	.16462	1.1515	.30719	.21426
#1	19913.	242920.	36305.	9809.0
#2	19977.	237400.	36391.	9847.8
#3	19957.	239970.	36170.	9814.2

Zoom In Zoom Out

Sample Name: JE21203-9 Acquired: 10/20/2025 15:22:58 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0009**	**35.17**	**.0148**	**.1791**	**.2128**	**.0018**	**-.0051**	**13.86**	**.0001**
Stddev	.0001	.11	.0018	.0004	.0001	.0001	.0006	.04	.0001
%RSD	6.544	.3235	12.00	.2024	.0629	3.088	10.69	.2730	158.9
#1	-.0009	35.23	.0161	.1794	.2128	.0018	-.0055	13.90	-.0000
#2	-.0010	35.23	.0157	.1787	.2129	.0019	-.0045	13.87	.0000
#3	-.0008	35.04	.0128	.1791	.2127	.0018	-.0054	13.82	.0002

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1457**	**.0476**	**.1039**	**.0986**	**62.05**	**6.321**	**.0406**	**17.07**	**3.240**
Stddev	.0015	.0002	.0009	.0012	.19	.030	.0033	.05	.049
%RSD	1.019	.4936	.8406	1.212	.3004	.4815	8.034	.3116	1.519
#1	.1452	.0474	.1040	.0994	62.16	6.356	.0418	17.12	3.297
#2	.1446	.0478	.1029	.0972	62.16	6.304	.0430	17.07	3.213
#3	.1474	.0474	.1046	.0991	61.84	6.303	.0369	17.01	3.210

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0013**	**1.989**	**.3340**	**1.965**	**.1359**	**.1564**	**.0035**	**.0023**	**2.684**
Stddev	.0002	.008	.0007	.001	.0008	.0007	.0009	.0004	.004
%RSD	15.78	.4173	.1967	.0693	.5693	.4287	25.98	17.45	.1488
#1	.0014	1.994	.3343	1.965	.1364	.1559	.0045	.0023	2.679
#2	.0015	1.993	.3345	1.963	.1350	.1561	.0033	.0019	2.687
#3	.0011	1.979	.3333	1.966	.1364	.1572	.0027	.0027	2.686

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0195**	**.0684**	**1.326**	**.0009**	**.0843**	**-.0037**	**.2319**	**.0206**
Stddev	.0002	.0002	.013	.0006	.0007	.0004	.0001	.0005
%RSD	1.123	.3288	.9864	60.73	.8339	11.41	.0550	2.278
#1	.0193	.0686	1.333	.0012	.0849	-.0032	.2318	.0206
#2	.0194	.0684	1.311	.0003	.0836	-.0040	.2320	.0201
#3	.0198	.0682	1.334	.0013	.0846	-.0038	.2319	.0211

Zoom In Zoom Out

Sample Name: JE21203-9 Acquired: 10/20/2025 15:22:58 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**19912.**	**242870.**	**36186.**	**9820.4**
Stddev	39.	2062.	243.	17.6
%RSD	.19734	.84891	.67242	.17902
#1	19867.	241080.	35906.	9804.7
#2	19934.	245130.	36345.	9839.4
#3	19935.	242420.	36307.	9817.1

Zoom In Zoom Out

Sample Name: JE21203-10 Acquired: 10/20/2025 15:28:03 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**63.62**	**.0207**	**.2211**	**.5280**	**.0024**	**-.0031**	F **579.3**
Stddev	.0002	.12	.0004	.0006	.0017	.0000	.0003	6.6
%RSD	239.9	.1864	1.779	.2808	.3133	1.570	9.347	1.139
#1	.0000	63.73	.0204	.2212	.5292	.0025	-.0028	574.0
#2	-.0001	63.49	.0205	.2217	.5261	.0024	-.0034	586.7
#3	.0003	63.65	.0211	.2205	.5287	.0024	-.0031	577.2

Elem	Cd2288	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.0052**	**.1619**	**.0255**	**.0801**	**.1203**	**64.24**	**10.10**	**.0471**
Stddev	.0002	.0025	.0002	.0005	.0007	.19	.04	.0018
%RSD	3.943	1.534	.6571	.6563	.5629	.2961	.3653	3.719
#1	-.0052	.1596	.0257	.0804	.1210	64.42	10.14	.0482
#2	-.0054	.1645	.0254	.0795	.1197	64.04	10.07	.0451
#3	-.0050	.1616	.0254	.0804	.1201	64.25	10.09	.0480

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**31.23**	**2.885**	**-.0019**	**5.855**	**.1530**	**3.301**	**.3779**	**10.80**
Stddev	.09	.011	.0003	.015	.0007	.006	.0016	.02
%RSD	.2868	.3959	14.15	.2508	.4434	.1715	.4176	.1725
#1	31.32	2.886	-.0017	5.869	.1535	3.307	.3786	10.82
#2	31.14	2.874	-.0019	5.839	.1533	3.300	.3791	10.79
#3	31.22	2.897	-.0022	5.858	.1522	3.295	.3761	10.78

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0050**	**-.0064**	**12.82**	**.0294**	**4.110**	**2.057**	**.0033**	**.0919**
Stddev	.0006	.0009	.02	.0006	.004	.012	.0011	.0007
%RSD	11.62	14.42	.1283	2.139	.1081	.5769	31.89	.8003
#1	-.0056	-.0058	12.81	.0295	4.115	2.065	.0045	.0923
#2	-.0046	-.0074	12.81	.0300	4.107	2.043	.0031	.0911
#3	-.0047	-.0058	12.84	.0287	4.107	2.062	.0024	.0924

Zoom In Zoom Out

Sample Name: JE21203-10 Acquired: 10/20/2025 15:28:03 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.0031**	**.2313**	**.0593**
Stddev	.0005	.0005	.0001
%RSD	16.28	.2240	.1827
#1	-.0029	.2317	.0594
#2	-.0037	.2315	.0592
#3	-.0027	.2307	.0593

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**18070.**	**227050.**	**35638.**	**9425.5**
Stddev	44.	1229.	78.	27.0
%RSD	.24474	.54145	.22019	.28641
#1	18028.	226040.	35584.	9401.3
#2	18066.	228420.	35601.	9420.7
#3	18117.	226690.	35728.	9454.6

Zoom In Zoom Out

Sample Name: JE21203-11 Acquired: 10/20/2025 15:33:22 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0006**	**56.03**	**.0158**	**.1771**	**.2241**	**.0021**	**-.0066**	**7.475**	**.0003**
Stddev	.0001	.05	.0007	.0002	.0005	.0001	.0011	.003	.0001
%RSD	9.291	.0861	4.482	.0939	.2444	3.163	17.17	.0378	38.29
#1	-.0005	56.04	.0157	.1773	.2244	.0022	-.0077	7.471	.0005
#2	-.0007	56.06	.0165	.1770	.2244	.0021	-.0055	7.475	.0002
#3	-.0006	55.97	.0151	.1771	.2235	.0021	-.0064	7.477	.0003

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2013**	**.0412**	**.1233**	**.1769**	**82.12**	**6.525**	**.0779**	**18.04**	**2.718**
Stddev	.0030	.0003	.0009	.0007	.04	.039	.0023	.05	.022
%RSD	1.475	.6518	.7613	.3750	.0460	.5914	3.007	.2540	.8182
#1	.1979	.0415	.1238	.1767	82.10	6.567	.0791	18.07	2.740
#2	.2029	.0412	.1222	.1764	82.16	6.491	.0794	17.98	2.696
#3	.2032	.0410	.1239	.1776	82.09	6.517	.0752	18.06	2.719

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0011**	**.6677**	**.1976**	**2.680**	**.4086**	**.1206**	**-.0013**	**.0036**	**2.749**
Stddev	.0002	.0045	.0003	.001	.0001	.0019	.0013	.0004	.018
%RSD	15.34	.6697	.1485	.0428	.0281	1.562	101.1	11.85	.6477
#1	.0009	.6701	.1978	2.681	.4086	.1184	-.0015	.0039	2.731
#2	.0013	.6706	.1973	2.681	.4085	.1218	-.0025	.0031	2.767
#3	.0011	.6626	.1976	2.679	.4087	.1215	.0001	.0038	2.750

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0324**	**.0921**	**1.529**	**-.0013**	**.1019**	**-.0042**	**.1762**	**.0262**
Stddev	.0005	.0001	.009	.0012	.0007	.0012	.0004	.0001
%RSD	1.673	.0582	.6047	95.40	.6479	28.00	.2215	.4099
#1	.0325	.0921	1.533	-.0018	.1024	-.0029	.1763	.0262
#2	.0318	.0921	1.519	-.0021	.1011	-.0043	.1765	.0261
#3	.0329	.0920	1.536	.0001	.1020	-.0053	.1757	.0263

Zoom In Zoom Out

Sample Name: JE21203-11 Acquired: 10/20/2025 15:33:22 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**19957.**	**241000.**	**36103.**	**9816.2**
Stddev	66.	2406.	186.	43.9
%RSD	.33268	.99814	.51598	.44741
#1	19890.	239880.	35929.	9771.8
#2	19957.	243760.	36299.	9817.2
#3	20023.	239360.	36081.	9859.7

Zoom In Zoom Out

Sample Name: JE21203-12 Acquired: 10/20/2025 15:38:24 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0015**	**42.65**	**.0276**	**.1887**	**.5370**	**.0018**	**-.0065**	**93.27**	**.0000**
Stddev	.0002	.10	.0006	.0017	.0014	.0000	.0014	1.00	.0001
%RSD	13.00	.2257	2.286	.9259	.2540	1.353	20.74	1.071	391.0
#1	.0015	42.62	.0282	.1902	.5359	.0018	-.0065	92.30	.0001
#2	.0017	42.76	.0269	.1892	.5385	.0018	-.0052	93.21	-.0001
#3	.0013	42.57	.0277	.1868	.5365	.0018	-.0079	94.29	.0000

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2314**	**.0402**	**.0955**	**.3359**	**84.47**	**8.717**	**.0615**	**19.85**	**1.438**
Stddev	.0037	.0004	.0004	.0027	.17	.033	.0013	.08	.010
%RSD	1.583	1.053	.4675	.8046	.2002	.3726	2.195	.4044	.7252
#1	.2331	.0405	.0950	.3337	84.33	8.694	.0629	19.81	1.428
#2	.2340	.0404	.0956	.3389	84.66	8.755	.0602	19.94	1.449
#3	.2272	.0397	.0959	.3351	84.42	8.704	.0613	19.79	1.439

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0059**	**1.137**	**.1175**	**4.458**	**1.830**	**1.270**	**.0100**	**.0009**	**2.913**
Stddev	.0001	.012	.0011	.038	.015	.012	.0014	.0016	.035
%RSD	1.404	1.065	.9013	.8432	.8308	.9123	14.45	171.7	1.201
#1	.0060	1.149	.1180	4.484	1.842	1.280	.0084	.0027	2.945
#2	.0058	1.138	.1182	4.476	1.835	1.274	.0104	.0004	2.919
#3	.0060	1.125	.1163	4.415	1.813	1.257	.0112	-.0003	2.876

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0742**	**.4322**	**1.751**	**.0041**	**.1273**	**-.0026**	**.5542**	**.0325**
Stddev	.0009	.0007	.011	.0007	.0014	.0005	.0042	.0002
%RSD	1.169	.1590	.6364	17.03	1.070	18.33	.7515	.4847
#1	.0752	.4314	1.739	.0033	.1260	-.0031	.5569	.0323
#2	.0735	.4327	1.762	.0043	.1287	-.0027	.5562	.0325
#3	.0738	.4324	1.751	.0047	.1273	-.0021	.5494	.0326

Zoom In Zoom Out

Sample Name: JE21203-12 Acquired: 10/20/2025 15:38:24 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**19606.**	**240360.**	**36262.**	**9777.7**
Stddev	99.	1934.	361.	52.1
%RSD	.50664	.80464	.99667	.53305
#1	19571.	242590.	36507.	9762.2
#2	19529.	239310.	35847.	9735.1
#3	19718.	239170.	36431.	9835.8

Zoom In Zoom Out

Sample Name: JE21229-5 Acquired: 10/20/2025 15:43:33 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**39.74**	**.0379**	**.1829**	**.2275**	**.0022**	**-.0027**	**8.598**	**.0015**
Stddev	.0001	.06	.0002	.0006	.0003	.0000	.0004	.008	.0003
%RSD	33.90	.1412	.4334	.3046	.1256	1.774	14.39	.0974	16.82
#1	.0002	39.79	.0377	.1826	.2272	.0022	-.0023	8.598	.0016
#2	.0004	39.75	.0380	.1835	.2276	.0022	-.0031	8.607	.0017
#3	.0004	39.68	.0380	.1825	.2277	.0022	-.0026	8.590	.0012

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1796**	**.0385**	**.1039**	**.3414**	**144.8**	**3.972**	**.0795**	**14.11**	**1.297**
Stddev	.0025	.0002	.0011	.0037	2.9	.040	.0011	.02	.003
%RSD	1.411	.5370	1.060	1.086	1.987	.9970	1.387	.1399	.1948
#1	.1824	.0387	.1041	.3428	144.6	3.928	.0798	14.13	1.295
#2	.1789	.0383	.1048	.3443	147.8	3.985	.0804	14.12	1.295
#3	.1775	.0386	.1027	.3373	142.0	4.004	.0783	14.09	1.299

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0054**	**.3136**	**.1542**	**1.734**	**F 8.415**	**1.822**	**.0056**	**.0049**	**2.570**
Stddev	.0002	.0038	.0001	.003	.006	.003	.0007	.0018	.015
%RSD	3.111	1.197	.0938	.1818	.0704	.1436	11.59	36.96	.5825
#1	.0055	.3147	.1544	1.737	8.411	1.820	.0060	.0030	2.557
#2	.0052	.3167	.1542	1.731	8.411	1.820	.0049	.0050	2.586
#3	.0053	.3094	.1542	1.732	8.422	1.825	.0061	.0066	2.566

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0498**	**.0799**	**.7602**	**-.0009**	**.0987**	**-.0035**	**1.314**	**.0266**
Stddev	.0001	.0001	.0078	.0009	.0008	.0002	.002	.0005
%RSD	.2746	.1185	1.026	93.60	.8388	5.863	.1698	1.911
#1	.0497	.0798	.7626	-.0016	.0988	-.0037	1.316	.0267
#2	.0500	.0800	.7666	.0001	.0995	-.0034	1.313	.0270
#3	.0497	.0799	.7515	-.0012	.0979	-.0033	1.312	.0260

Zoom In Zoom Out

Sample Name: JE21229-5 Acquired: 10/20/2025 15:43:33 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**20175.**	**244450.**	**36669.**	**9830.7**
Stddev	42.	1250.	55.	31.5
%RSD	.20575	.51135	.15036	.32025
#1	20133.	245410.	36680.	9796.9
#2	20176.	243040.	36718.	9836.0
#3	20216.	244890.	36609.	9859.3

Zoom In Zoom Out

Sample Name: JE21229-6 Acquired: 10/20/2025 15:48:41 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007**	**31.13**	**.0175**	**.2653**	**.2357**	**.0062**	**-.0070**	**5.099**	**.0015**
Stddev	.0001	.06	.0008	.0008	.0009	.0001	.0003	.007	.0001
%RSD	10.27	.1952	4.524	.2933	.3925	1.901	4.653	.1378	5.242
#1	.0006	31.12	.0180	.2648	.2360	.0061	-.0066	5.107	.0014
#2	.0007	31.20	.0166	.2650	.2364	.0063	-.0073	5.098	.0015
#3	.0008	31.08	.0180	.2662	.2347	.0063	-.0070	5.093	.0016

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1433**	**.0464**	**.1151**	**1.015**	**80.27**	**2.728**	**.0619**	**11.46**	**.9387**
Stddev	.0044	.0002	.0026	.020	.13	.026	.0032	.02	.0206
%RSD	3.046	.4404	2.273	1.980	.1614	.9632	5.193	.1365	2.191
#1	.1394	.0463	.1132	1.004	80.25	2.753	.0624	11.46	.9234
#2	.1425	.0463	.1139	1.003	80.41	2.731	.0648	11.48	.9305
#3	.1480	.0466	.1181	1.038	80.15	2.700	.0585	11.45	.9621

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0187**	**.5598**	**.4690**	**1.119**	**1.657**	**3.059**	**.0092**	**.0039**	**3.775**
Stddev	.0005	.0017	.0005	.003	.001	.008	.0016	.0011	.020
%RSD	2.687	.3102	.1151	.2754	.0389	.2525	17.43	27.99	.5156
#1	.0187	.5578	.4697	1.120	1.658	3.066	.0084	.0034	3.797
#2	.0182	.5605	.4688	1.116	1.656	3.050	.0082	.0051	3.759
#3	.0192	.5610	.4687	1.122	1.657	3.061	.0110	.0031	3.769

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2822**	**.0373**	**.6241**	**-.0007**	**.1005**	**.0089**	**3.717**	**.0395**
Stddev	.0008	.0002	.0132	.0007	.0024	.0009	.006	.0007
%RSD	.2835	.5436	2.119	101.5	2.365	10.04	.1732	1.789
#1	.2830	.0372	.6165	-.0015	.0987	.0097	3.717	.0390
#2	.2814	.0376	.6165	-.0007	.0997	.0090	3.711	.0393
#3	.2823	.0372	.6394	.0000	.1032	.0079	3.723	.0403

Zoom In Zoom Out

Sample Name: JE21229-6 Acquired: 10/20/2025 15:48:41 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**20225.**	**241270.**	**36443.**	**9867.4**
Stddev	44.	4971.	193.	28.6
%RSD	.21822	2.0604	.53031	.28946
#1	20254.	244410.	36377.	9887.0
#2	20246.	243850.	36291.	9880.6
#3	20174.	235530.	36661.	9834.6

Zoom In Zoom Out

Sample Name: JE21229-12 Acquired: 10/20/2025 15:53:33 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**47.86**	**.0384**	**.2421**	**.4894**	**.0033**	**-.0038**	**17.14**	**.0055**
Stddev	.0003	.10	.0013	.0013	.0012	.0000	.0012	.03	.0001
%RSD	72.60	.2070	3.496	.5438	.2512	1.230	30.77	.1743	1.420
#1	.0007	47.98	.0374	.2435	.4906	.0034	-.0035	17.17	.0056
#2	.0001	47.80	.0379	.2418	.4881	.0034	-.0051	17.15	.0055
#3	.0005	47.81	.0399	.2410	.4896	.0033	-.0028	17.11	.0054

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2017**	**.0646**	**.2540**	**.4410**	**148.4**	**9.931**	**.0841**	**20.75**	**4.533**
Stddev	.0026	.0004	.0036	.0070	4.8	.032	.0029	.05	.082
%RSD	1.296	.6359	1.404	1.584	3.217	.3209	3.506	.2300	1.813
#1	.2014	.0651	.2538	.4418	146.3	9.954	.0808	20.80	4.513
#2	.2044	.0643	.2577	.4476	153.9	9.945	.0848	20.77	4.623
#3	.1992	.0645	.2506	.4337	145.0	9.895	.0866	20.70	4.463

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0801**	**.4883**	**.2517**	**2.472**	**.9986**	**1.091**	**.0040**	**.0063**	**2.769**
Stddev	.0002	.0067	.0009	.006	.0031	.004	.0001	.0025	.011
%RSD	.1926	1.370	.3711	.2371	.3134	.3805	2.776	39.01	.4044
#1	.0803	.4945	.2527	2.478	1.002	1.096	.0041	.0035	2.782
#2	.0800	.4812	.2509	2.468	.9966	1.089	.0040	.0078	2.762
#3	.0801	.4892	.2514	2.469	.9970	1.088	.0039	.0076	2.763

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0555**	**.0540**	**2.686**	**.0002**	**.2164**	**-.0029**	**1.517**	**.0621**
Stddev	.0005	.0001	.038	.0007	.0030	.0008	.005	.0008
%RSD	.8683	.1922	1.431	354.9	1.394	28.95	.3543	1.307
#1	.0560	.0541	2.689	.0009	.2164	-.0028	1.524	.0624
#2	.0553	.0539	2.723	.0003	.2193	-.0038	1.514	.0627
#3	.0552	.0540	2.646	-.0006	.2133	-.0021	1.514	.0612

Zoom In Zoom Out

Sample Name: JE21229-12 Acquired: 10/20/2025 15:53:33 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**19821.**	**235630.**	**36229.**	**9720.1**
Stddev	55.	2959.	209.	22.2
%RSD	.27913	1.2559	.57818	.22801
#1	19758.	235760.	36320.	9695.0
#2	19845.	232610.	35989.	9728.2
#3	19861.	238530.	36378.	9737.0

Inst QC: MA59582

Zoom In / Zoom Out

Sample Name: CCV Acquired: 10/20/2025 15:58:43 Type: QC
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2460**	**40.61**	**2.052**	**2.059**	**2.103**	**2.135**	**2.020**	**42.08**	**2.058**
Stddev	.0046	.03	.004	.003	.003	.005	.005	.07	.002
%RSD	1.850	.0850	.1912	.1656	.1210	.2325	.2747	.1545	.0985
#1	.2486	40.65	2.049	2.059	2.104	2.140	2.015	42.14	2.057
#2	.2408	40.58	2.050	2.056	2.104	2.133	2.017	42.01	2.057
#3	.2487	40.60	2.056	2.063	2.100	2.131	2.026	42.08	2.061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.054**	**2.071**	**2.046**	**2.047**	**41.27**	**41.35**	**2.120**	**41.12**	**2.071**
Stddev	.029	.002	.033	.032	.02	.05	.004	.01	.052
%RSD	1.419	.0969	1.596	1.539	.0584	.1158	.1658	.0209	2.527
#1	2.063	2.071	2.057	2.054	41.27	41.38	2.123	41.13	2.066
#2	2.022	2.069	2.010	2.013	41.24	41.29	2.121	41.11	2.021
#3	2.078	2.073	2.073	2.075	41.29	41.37	2.116	41.12	2.125
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.060**	**41.07**	**2.081**	**2.041**	**2.077**	**2.067**	**2.043**	**2.066**	**5.126**
Stddev	.002	.04	.000	.004	.002	.004	.004	.003	.004
%RSD	.0780	.0908	.0202	.1780	.0806	.1706	.1743	.1495	.0730
#1	2.060	41.11	2.081	2.041	2.075	2.067	2.042	2.066	5.127
#2	2.058	41.06	2.081	2.038	2.078	2.064	2.040	2.069	5.123
#3	2.062	41.03	2.081	2.045	2.077	2.071	2.047	2.063	5.130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In / Zoom Out

Sample Name: CCV Acquired: 10/20/2025 15:58:43 Type: QC
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.077**	**2.081**	**2.036**	**2.112**	**2.007**	**2.026**	**2.106**	**2.016**
Stddev	.001	.019	.032	.000	.033	.001	.001	.030
%RSD	.0660	.9261	1.559	.0021	1.632	.0649	.0685	1.501
#1	2.077	2.102	2.047	2.112	2.022	2.026	2.107	2.026
#2	2.076	2.079	2.001	2.112	1.970	2.024	2.106	1.983
#3	2.078	2.064	2.061	2.112	2.030	2.027	2.104	2.041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**19170.**	**231990.**	**35331.**	**9516.4**
Stddev	22.	4110.	92.	10.6
%RSD	.11239	1.7717	.25908	.11176
#1	19153.	230770.	35306.	9510.9
#2	19164.	236570.	35256.	9509.7
#3	19195.	228620.	35433.	9528.7

Zoom In / Zoom Out

Sample Name: CCB Acquired: 10/20/2025 16:03:52 Type: QC
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0178**	**.0001**	**-.0002**	**.0007**	**.0010**	**.0015**	**.0012**	**.0001**
Stddev	.0002	.0088	.0009	.0006	.0001	.0001	.0007	.0019	.0002
%RSD	36.66	49.74	1033.	317.1	8.385	5.307	43.58	158.7	106.5
#1	.0006	.0082	.0011	.0003	.0007	.0009	.0022	.0029	.0003
#2	.0003	.0256	-.0002	-.0001	.0007	.0010	.0009	.0014	.0001
#3	.0004	.0195	-.0006	-.0008	.0006	.0010	.0016	-.0008	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0002**	**.0005**	**.0009**	**.0251**	**.1011**	**-.0002**	**.0159**	**.0006**
Stddev	.0014	.0002	.0002	.0004	.0020	.0024	.0025	.0029	.0004
%RSD	1079.	100.8	52.07	40.60	7.836	2.389	1040.	18.46	61.23
#1	.0016	-.0000	.0007	.0011	.0257	.0993	-.0031	.0128	.0010
#2	-.0011	.0002	.0005	.0011	.0229	.1038	.0006	.0186	.0006
#3	-.0002	.0003	.0002	.0005	.0267	.1001	.0017	.0164	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**-.0325**	**.0001**	**.0007**	**.0001**	**-.0012**	**-.0003**	**.0000**	**-.0047**
Stddev	.0002	.0052	.0001	.0010	.0003	.0014	.0008	.0008	.0003
%RSD	51.69	15.99	119.0	139.8	394.3	123.3	254.2	2611.	6.913
#1	.0003	-.0273	.0000	.0004	.0004	-.0021	-.0013	-.0005	-.0047
#2	.0002	-.0327	.0002	.0019	-.0001	.0005	.0000	-.0003	-.0051
#3	.0005	-.0377	.0000	-.0001	-.0000	-.0019	.0003	.0009	-.0045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In / Zoom Out

Sample Name: CCB Acquired: 10/20/2025 16:03:52 Type: QC
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0008**	**.0005**	**.0000**	**.0007**	**-.0015**	**-.0003**	**.0006**
Stddev	.0005	.0001	.0003	.0008	.0004	.0003	.0000	.0003
%RSD	1012.	13.48	54.45	2210.	60.74	20.32	8.832	47.87
#1	-.0005	.0010	.0008	-.0009	.0011	-.0018	-.0003	.0008
#2	.0001	.0007	.0005	.0006	.0004	-.0012	-.0003	.0006
#3	.0005	.0008	.0003	.0004	.0004	-.0015	-.0004	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**20378.**	**236350.**	**35374.**	**9736.0**
Stddev	44.	433.	181.	21.1
%RSD	.21472	.18304	.51065	.21642
#1	20332.	236240.	35288.	9712.9
#2	20384.	236830.	35582.	9740.8
#3	20419.	235980.	35253.	9754.3

Zoom In Zoom Out

Sample Name: JE21229-16 Acquired: 10/20/2025 16:08:53 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**39.48**	**.0331**	**.2369**	**.4311**	**.0023**	**-.0073**	**20.46**	**.0029**
Stddev	.0001	.12	.0008	.0003	.0006	.0000	.0013	.05	.0002
%RSD	43.37	.2946	2.378	.1070	.1443	1.452	17.94	.2571	6.632
#1	.0001	39.57	.0336	.2366	.4317	.0023	-.0086	20.51	.0029
#2	.0003	39.51	.0334	.2371	.4311	.0023	-.0075	20.46	.0030
#3	.0002	39.34	.0322	.2370	.4305	.0022	-.0060	20.41	.0026

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2128**	**.0627**	**.2703**	**.3671**	**162.4**	**5.784**	**.0729**	**19.22**	**4.597**
Stddev	.0059	.0001	.0049	.0080	1.8	.021	.0010	.07	.069
%RSD	2.777	.2190	1.831	2.176	1.115	.3636	1.414	.3684	1.497
#1	.2075	.0628	.2667	.3613	164.5	5.786	.0740	19.30	4.625
#2	.2117	.0627	.2681	.3637	161.2	5.804	.0719	19.18	4.519
#3	.2192	.0626	.2759	.3762	161.5	5.762	.0728	19.17	4.648

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2478**	**.3280**	**.3767**	**1.966**	**.8156**	**1.067**	**.0032**	**.0079**	**2.910**
Stddev	.0002	.0125	.0006	.004	.0012	.001	.0015	.0006	.020
%RSD	.0946	3.797	.1499	.1848	.1442	.1181	45.53	7.699	.6868
#1	.2479	.3392	.3762	1.968	.8158	1.065	.0049	.0073	2.897
#2	.2475	.3146	.3773	1.967	.8144	1.067	.0025	.0080	2.933
#3	.2479	.3302	.3766	1.962	.8167	1.068	.0023	.0085	2.901

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0545**	**.0511**	**1.744**	**.0010**	**.2558**	**-.0049**	**1.132**	**.0584**
Stddev	.0008	.0001	.033	.0006	.0045	.0006	.001	.0012
%RSD	1.405	.1519	1.901	64.18	1.774	13.23	.1083	2.064
#1	.0554	.0511	1.722	.0010	.2521	-.0056	1.131	.0576
#2	.0543	.0511	1.728	.0016	.2543	-.0044	1.131	.0579
#3	.0539	.0510	1.782	.0003	.2608	-.0046	1.134	.0598

Zoom In Zoom Out

Sample Name: JE21229-16 Acquired: 10/20/2025 16:08:53 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**20079.**	**241610.**	**36625.**	**9826.6**
Stddev	44.	3260.	246.	25.0
%RSD	.22067	1.3492	.67235	.25423
#1	20067.	244100.	36372.	9811.0
#2	20128.	242800.	36864.	9855.5
#3	20041.	237920.	36640.	9813.4

Zoom In Zoom Out

Sample Name: JE21229-19 Acquired: 10/20/2025 16:14:02 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0033**	**69.65**	**.0357**	**.4148**	**1.156**	**.0148**	**-.0026**	**88.07**	**.0077**
Stddev	.0004	.17	.0009	.0018	.002	.0001	.0012	1.54	.0003
%RSD	13.30	.2498	2.649	.4383	.2005	.4169	46.18	1.753	3.519
#1	.0030	69.85	.0365	.4166	1.158	.0149	-.0032	87.24	.0078
#2	.0032	69.55	.0359	.4129	1.153	.0147	-.0034	89.85	.0074
#3	.0038	69.55	.0346	.4150	1.157	.0148	-.0012	87.12	.0079

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2557**	**.3489**	**1.310**	**2.903**	F **368.1**	**9.118**	**.0820**	**44.63**	F **10.35**
Stddev	.0050	.0003	.013	.027	4.1	.053	.0029	.15	.05
%RSD	1.937	.0876	.9979	.9351	1.124	.5820	3.589	.3315	.5186
#1	.2530	.3486	1.316	2.914	370.9	9.178	.0840	44.75	10.38
#2	.2615	.3489	1.320	2.923	370.0	9.078	.0834	44.69	10.39
#3	.2528	.3492	1.295	2.872	363.3	9.098	.0786	44.47	10.29

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4891**	**2.007**	**1.875**	**2.890**	**2.592**	**2.373**	**.0173**	**.0405**	**7.546**
Stddev	.0002	.018	.001	.003	.003	.003	.0010	.0009	.009
%RSD	.0492	.8833	.0760	.1137	.1321	.1098	5.962	2.286	.1149
#1	.4891	2.021	1.873	2.890	2.589	2.371	.0161	.0414	7.537
#2	.4888	1.987	1.875	2.886	2.596	2.372	.0180	.0406	7.554
#3	.4893	2.012	1.876	2.892	2.592	2.376	.0178	.0395	7.549

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3461**	**.1990**	**3.713**	**.0107**	**.5862**	**.0166**	**7.381**	**.1083**
Stddev	.0007	.0007	.039	.0012	.0054	.0012	.009	.0011
%RSD	.1988	.3431	1.053	11.53	.9144	7.094	.1279	.9727
#1	.3458	.1994	3.727	.0105	.5878	.0161	7.392	.1086
#2	.3455	.1983	3.742	.0120	.5906	.0157	7.373	.1092
#3	.3469	.1995	3.668	.0095	.5803	.0179	7.379	.1071

Zoom In Zoom Out

Sample Name: JE21229-19 Acquired: 10/20/2025 16:14:02 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**19885.**	**237180.**	**36469.**	**9579.0**
Stddev	40.	2461.	190.	28.1
%RSD	.19889	1.0375	.51995	.29344
#1	19859.	235940.	36284.	9548.5
#2	19867.	235580.	36460.	9584.7
#3	19931.	240010.	36663.	9603.8

Zoom In Zoom Out

Sample Name: JE2331-4R Acquired: 10/20/2025 16:19:16 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0017**	**21.61**	**.0124**	**.2915**	**.2604**	**.0003**	**-.0040**	**14.74**	**.0046**
Stddev	.0002	.12	.0011	.0019	.0009	.0000	.0004	.08	.0001
%RSD	13.03	.5663	8.666	.6427	.3420	16.59	10.62	.5491	3.040
#1	.0015	21.75	.0133	.2904	.2614	.0003	-.0036	14.83	.0045
#2	.0019	21.55	.0112	.2904	.2598	.0003	-.0039	14.71	.0047
#3	.0016	21.53	.0128	.2936	.2600	.0002	-.0045	14.68	.0045

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0973**	**.0300**	**.1081**	**.2978**	**61.68**	**1.791**	**.0268**	**12.31**	**.5521**
Stddev	.0040	.0003	.0034	.0090	.37	.034	.0011	.07	.0175
%RSD	4.110	1.013	3.170	3.018	.6077	1.883	4.226	.6032	3.163
#1	.0992	.0297	.1110	.3038	62.10	1.825	.0269	12.39	.5639
#2	.0927	.0301	.1043	.2874	61.55	1.758	.0278	12.28	.5320
#3	.1000	.0303	.1091	.3021	61.39	1.789	.0256	12.25	.5603

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0073**	**.7991**	**.0872**	**1.789**	**1.097**	**5.017**	**.0057**	**.0023**	**2.885**
Stddev	.0001	.0024	.0005	.013	.007	.031	.0011	.0010	.022
%RSD	1.534	.3012	.6275	.7469	.6623	.6216	19.47	44.28	.7760
#1	.0071	.8018	.0868	1.776	1.091	4.990	.0065	.0011	2.876
#2	.0073	.7982	.0871	1.787	1.094	5.010	.0062	.0029	2.869
#3	.0074	.7973	.0879	1.803	1.105	5.051	.0044	.0029	2.911

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1201**	**.0381**	**1.309**	**-.0007**	**.0864**	**.0018**	**1.491**	**.0216**
Stddev	.0018	.0003	.040	.0011	.0025	.0004	.009	.0006
%RSD	1.468	.7546	3.042	169.5	2.933	25.07	.5900	2.958
#1	.1184	.0384	1.336	-.0019	.0883	.0013	1.483	.0219
#2	.1199	.0380	1.263	.0003	.0835	.0022	1.488	.0209
#3	.1219	.0379	1.327	-.0004	.0875	.0018	1.500	.0221

Zoom In Zoom Out

Sample Name: JE2331-4R Acquired: 10/20/2025 16:19:16 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**19939.**	**251190.**	**36358.**	**9775.1**
Stddev	89.	10143.	300.	40.0
%RSD	.44589	4.0378	.82543	.40948
#1	20014.	243510.	36019.	9806.5
#2	19962.	262690.	36590.	9788.7
#3	19841.	247370.	36466.	9730.0

Zoom In Zoom Out

Sample Name: JE20168-1 Acquired: 10/20/2025 16:24:08 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: MP58034

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0010**	**-.0031**	**.0005**	**.1771**	**.0494**	**-.0005**	**.0011**	**141.8**	**-.0007**
Stddev	.0003	.0045	.0005	.0011	.0003	.0000	.0016	2.0	.0002
%RSD	33.77	141.8	97.57	.6039	.6745	6.516	143.2	1.383	32.58
#1	.0011	-.0035	.0000	.1783	.0497	-.0006	.0028	139.7	-.0004
#2	.0006	-.0074	.0009	.1766	.0496	-.0005	.0011	143.5	-.0008
#3	.0012	.0015	.0004	.1763	.0490	-.0005	-.0005	142.1	-.0007

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0044**	**.0013**	**.0001**	**.0056**	**.0120**	**5.120**	**.0027**	**24.13**	**.0487**
Stddev	.0023	.0001	.0003	.0006	.0010	.006	.0020	.07	.0004
%RSD	53.54	4.886	205.7	11.44	8.537	.1152	73.76	.2956	.7237
#1	.0049	.0013	.0004	.0050	.0124	5.115	.0004	24.14	.0484
#2	.0064	.0012	-.0001	.0056	.0108	5.120	.0034	24.20	.0487
#3	.0018	.0013	.0001	.0063	.0127	5.126	.0041	24.06	.0491

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0019**	**18.62**	**.0039**	**.0188**	**-.0006**	**51.48**	**.0105**	**.0049**	**10.41**
Stddev	.0001	.02	.0001	.0006	.0011	.09	.0008	.0012	.01
%RSD	7.570	.1331	2.673	3.019	167.0	.1696	7.604	24.62	.1132
#1	.0021	18.63	.0037	.0194	.0001	51.56	.0112	.0052	10.42
#2	.0020	18.64	.0039	.0187	-.0002	51.48	.0096	.0059	10.40
#3	.0018	18.60	.0039	.0183	-.0019	51.39	.0106	.0035	10.40

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0028**	**.4410**	**-.0010**	**.0059**	**-.0007**	**-.0015**	**.0030**	**-.0003**
Stddev	.0003	.0008	.0002	.0003	.0001	.0002	.0000	.0001
%RSD	9.824	.1799	19.94	5.708	8.260	15.29	1.442	35.67
#1	-.0031	.4410	-.0009	.0063	-.0007	-.0013	.0029	-.0003
#2	-.0026	.4417	-.0009	.0058	-.0008	-.0018	.0030	-.0005
#3	-.0029	.4402	-.0013	.0057	-.0007	-.0015	.0030	-.0002

Zoom In Zoom Out

Sample Name: JE20168-1 Acquired: 10/20/2025 16:24:08 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: MP58034

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**19290.**	**231050.**	**35140.**	**9409.1**
Stddev	22.	1192.	150.	6.0
%RSD	.11153	.51587	.42549	.06358
#1	19314.	231780.	35156.	9415.5
#2	19283.	231710.	34983.	9408.1
#3	19272.	229680.	35281.	9403.7

Zoom In Zoom Out

Sample Name: JE20168-2 Acquired: 10/20/2025 16:29:11 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**-.0050**	**.0004**	**.1794**	**.0515**	**-.0006**	**-.0002**	**146.0**	**-.0005**
Stddev	.0004	.0010	.0009	.0007	.0004	.0000	.0002	1.7	.0000
%RSD	113.5	19.00	209.8	.3941	.7226	6.724	107.0	1.175	9.006
#1	.0002	-.0061	.0014	.1798	.0517	-.0005	-.0004	147.7	-.0005
#2	.0008	-.0044	.0002	.1798	.0517	-.0006	-.0000	144.3	-.0006
#3	.0000	-.0045	-.0003	.1786	.0511	-.0006	-.0002	145.9	-.0005

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0033**	**.0012**	**-.0001**	**.0040**	**.0217**	**5.372**	**.0094**	**25.11**	**.0506**
Stddev	.0005	.0001	.0002	.0002	.0010	.026	.0021	.02	.0007
%RSD	14.33	7.467	182.3	3.722	4.569	.4888	22.60	.0768	1.400
#1	.0027	.0013	.0001	.0042	.0206	5.379	.0082	25.09	.0513
#2	.0036	.0011	-.0003	.0041	.0226	5.342	.0081	25.11	.0507
#3	.0035	.0013	-.0001	.0039	.0219	5.393	.0119	25.12	.0498

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0020**	**19.39**	**.0036**	**.0189**	**.0018**	**53.41**	**.0100**	**.0042**	**10.69**
Stddev	.0004	.05	.0001	.0007	.0005	.25	.0013	.0003	.03
%RSD	19.67	.2783	2.009	3.644	27.27	.4640	12.80	7.238	.3264
#1	.0017	19.37	.0036	.0197	.0023	53.55	.0096	.0040	10.71
#2	.0025	19.45	.0037	.0186	.0018	53.56	.0114	.0046	10.71
#3	.0019	19.34	.0036	.0184	.0013	53.13	.0090	.0041	10.65

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0034**	**.4600**	**-.0007**	**.0064**	**-.0004**	**-.0018**	**.0007**	**-.0004**
Stddev	.0002	.0009	.0002	.0014	.0002	.0005	.0001	.0002
%RSD	5.266	.1967	28.43	21.70	57.39	29.21	18.04	50.12
#1	-.0036	.4602	-.0008	.0074	-.0002	-.0021	.0007	-.0006
#2	-.0034	.4608	-.0008	.0048	-.0007	-.0012	.0006	-.0002
#3	-.0033	.4590	-.0005	.0069	-.0003	-.0022	.0008	-.0003

Zoom In Zoom Out

Sample Name: JE20168-2 Acquired: 10/20/2025 16:29:11 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**19218.**	**230880.**	**35077.**	**9374.3**
Stddev	46.	3190.	105.	30.9
%RSD	.23721	1.3816	.29926	.32942
#1	19174.	227790.	35052.	9341.3
#2	19265.	230690.	35192.	9402.5
#3	19216.	234160.	34987.	9379.1

Zoom In Zoom Out

Sample Name: JE20168-3 Acquired: 10/20/2025 16:34:15 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.2747**	**.0009**	**.0925**	**.0096**	**-.0005**	**-.0007**	**45.95**	**-.0003**
Stddev	.0001	.0091	.0008	.0008	.0001	.0000	.0010	.04	.0002
%RSD	20.85	3.299	95.21	.9181	1.379	5.622	140.1	.0807	56.09
#1	.0003	.2829	-.0001	.0920	.0097	-.0006	-.0018	45.95	-.0001
#2	.0004	.2763	.0013	.0920	.0094	-.0005	-.0007	45.91	-.0004
#3	.0004	.2650	.0014	.0935	.0097	-.0005	.0003	45.99	-.0003

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0035**	**.0019**	**.0038**	**.0023**	**.5524**	**2.202**	**.0042**	**14.58**	**.0401**
Stddev	.0013	.0002	.0001	.0005	.0024	.029	.0016	.03	.0002
%RSD	37.26	12.66	1.328	21.09	.4339	1.309	38.09	.2204	.5277
#1	.0035	.0019	.0039	.0017	.5531	2.205	.0023	14.61	.0399
#2	.0048	.0016	.0038	.0026	.5544	2.172	.0050	14.55	.0403
#3	.0022	.0020	.0038	.0024	.5498	2.230	.0052	14.58	.0400

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0012**	**9.861**	**.0049**	**.0419**	**.0011**	**15.47**	**.0076**	**.0031**	**15.00**
Stddev	.0000	.012	.0002	.0001	.0007	.01	.0012	.0021	.01
%RSD	2.798	.1181	3.799	.3296	68.81	.0604	16.12	66.13	.0348
#1	.0012	9.873	.0050	.0419	.0016	15.48	.0077	.0055	15.01
#2	.0012	9.850	.0047	.0420	.0014	15.47	.0087	.0024	15.01
#3	.0012	9.860	.0050	.0417	.0002	15.46	.0063	.0015	15.00

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0029**	**.1724**	**.0044**	**.0024**	**.0002**	**-.0025**	**.0048**	**-.0001**
Stddev	.0003	.0002	.0001	.0013	.0002	.0005	.0001	.0001
%RSD	11.86	.1241	1.775	54.21	122.7	19.22	2.504	43.54
#1	-.0031	.1722	.0044	.0026	.0004	-.0021	.0049	-.0001
#2	-.0030	.1726	.0045	.0010	.0000	-.0023	.0047	-.0001
#3	-.0025	.1723	.0043	.0035	.0001	-.0030	.0049	-.0002

Zoom In Zoom Out

Sample Name: JE20168-3 Acquired: 10/20/2025 16:34:15 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**19814.**	**236410.**	**35475.**	**9610.4**
Stddev	32.	2079.	113.	10.9
%RSD	.16212	.87951	.31787	.11339
#1	19805.	238430.	35410.	9606.3
#2	19850.	234280.	35606.	9622.7
#3	19787.	236510.	35411.	9602.1

Zoom In Zoom Out

Sample Name: JE20168-4 Acquired: 10/20/2025 16:39:10 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0597**	**.0008**	**.1005**	**.0316**	**-.0005**	**-.0019**	**70.73**	**.0000**
Stddev	.0002	.0088	.0003	.0002	.0002	.0000	.0010	.67	.0000
%RSD	55.36	14.74	40.79	.1783	.5908	3.686	53.72	.9463	8379.
#1	.0002	.0497	.0004	.1007	.0317	-.0005	-.0027	70.03	-.0000
#2	.0003	.0632	.0009	.1004	.0314	-.0006	-.0007	70.81	-.0000
#3	.0006	.0662	.0011	.1004	.0317	-.0005	-.0023	71.36	.0000

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0045**	**.0017**	**.0003**	**.0021**	**.3385**	**4.051**	**.0023**	**11.17**	**.0116**
Stddev	.0024	.0003	.0002	.0005	.0003	.015	.0025	.02	.0002
%RSD	52.62	18.41	74.69	22.77	.0976	.3765	110.2	.1796	1.741
#1	.0056	.0019	.0003	.0025	.3388	4.047	.0003	11.16	.0117
#2	.0060	.0018	.0006	.0023	.3385	4.037	.0014	11.15	.0118
#3	.0018	.0013	.0001	.0016	.3382	4.067	.0052	11.19	.0114

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0032**	**9.770**	**.0013**	**.0215**	**.0023**	**16.54**	**.0089**	**.0040**	**9.509**
Stddev	.0003	.020	.0002	.0011	.0002	.14	.0010	.0010	.086
%RSD	8.539	.2014	13.91	5.225	7.202	.8603	11.70	24.32	.9100
#1	.0034	9.765	.0011	.0226	.0023	16.64	.0098	.0049	9.569
#2	.0034	9.753	.0014	.0214	.0022	16.60	.0092	.0042	9.549
#3	.0029	9.792	.0015	.0204	.0025	16.38	.0077	.0030	9.410

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0028**	**.2520**	**.0014**	**.0045**	**-.0001**	**-.0019**	**.0038**	**-.0004**
Stddev	.0010	.0003	.0003	.0005	.0002	.0002	.0002	.0001
%RSD	35.09	.1042	24.74	11.87	213.4	12.43	4.932	38.58
#1	-.0018	.2519	.0016	.0040	.0001	-.0016	.0039	-.0004
#2	-.0030	.2518	.0016	.0050	-.0002	-.0018	.0039	-.0003
#3	-.0037	.2523	.0010	.0044	-.0001	-.0021	.0036	-.0005

Zoom In Zoom Out

Sample Name: JE20168-4 Acquired: 10/20/2025 16:39:10 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**19853.**	**232940.**	**35448.**	**9636.1**
Stddev	114.	4609.	159.	61.5
%RSD	.57620	1.9788	.44714	.63864
#1	19744.	230610.	35563.	9573.9
#2	19842.	229950.	35513.	9637.5
#3	19972.	238240.	35267.	9696.9

Zoom In Zoom Out

Sample Name: JE20168-5 Acquired: 10/20/2025 16:44:13 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0026**	**.0013**	**.1077**	**.0163**	**-.0005**	**-.0014**	**122.3**	**-.0011**
Stddev	.0001	.0066	.0010	.0005	.0001	.0000	.0005	1.3	.0002
%RSD	184.9	256.0	81.49	.5074	.4725	3.230	33.43	1.025	15.48
#1	.0002	.0084	.0002	.1074	.0164	-.0005	-.0014	121.4	-.0009
#2	-.0000	.0038	.0014	.1073	.0163	-.0006	-.0018	123.7	-.0011
#3	.0000	-.0045	.0022	.1083	.0162	-.0005	-.0009	121.8	-.0012

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0006**	**.0013**	**-.0003**	**.0013**	**.0050**	**3.387**	**.0030**	**19.70**	**.0753**
Stddev	.0022	.0000	.0000	.0001	.0010	.017	.0011	.04	.0015
%RSD	375.4	2.604	10.21	4.008	20.19	.4927	36.38	.1876	1.959
#1	.0018	.0013	-.0004	.0013	.0050	3.386	.0037	19.66	.0737
#2	-.0009	.0013	-.0003	.0012	.0040	3.404	.0017	19.74	.0755
#3	-.0026	.0013	-.0003	.0013	.0060	3.371	.0035	19.71	.0767

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0030**	**11.08**	**.0030**	**.0969**	**.0013**	**27.64**	**.0098**	**.0048**	**14.25**
Stddev	.0002	.01	.0001	.0006	.0002	.03	.0010	.0006	.00
%RSD	5.072	.1071	4.921	.6255	18.78	.0939	9.979	12.14	.0190
#1	.0031	11.07	.0031	.0963	.0011	27.62	.0105	.0052	14.25
#2	.0030	11.09	.0030	.0975	.0013	27.64	.0102	.0050	14.24
#3	.0028	11.09	.0028	.0970	.0015	27.67	.0087	.0041	14.25

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0025**	**.3470**	**-.0011**	**.0052**	**-.0000**	**-.0026**	**.0008**	**-.0004**
Stddev	.0001	.0002	.0000	.0010	.0002	.0007	.0000	.0002
%RSD	4.299	.0713	3.199	18.83	655.2	27.29	3.611	39.85
#1	-.0024	.3472	-.0011	.0050	-.0001	-.0023	.0008	-.0005
#2	-.0025	.3467	-.0011	.0063	-.0001	-.0034	.0008	-.0002
#3	-.0026	.3471	-.0011	.0044	.0001	-.0021	.0008	-.0006

Zoom In Zoom Out

Sample Name: JE20168-5 Acquired: 10/20/2025 16:44:13 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**19460.**	**233830.**	**35360.**	**9495.5**
Stddev	22.	3718.	284.	8.5
%RSD	.11300	1.5898	.80346	.08996
#1	19448.	237370.	35680.	9486.9
#2	19447.	234160.	35137.	9495.5
#3	19486.	229960.	35263.	9504.0

Zoom In Zoom Out

Sample Name: JE20168-6 Acquired: 10/20/2025 16:49:18 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0009**	**.0060**	**.0004**	**.1050**	**.0334**	**-.0006**	**-.0008**	**78.38**	**-.0001**
Stddev	.0001	.0047	.0002	.0001	.0003	.0000	.0007	1.07	.0001
%RSD	13.26	78.09	53.93	.0582	.7915	5.442	93.49	1.368	105.2
#1	.0009	.0093	.0004	.1049	.0335	-.0005	-.0015	77.31	-.0001
#2	.0010	.0006	.0005	.1050	.0336	-.0005	-.0000	79.45	.0000
#3	.0008	.0080	.0002	.1050	.0331	-.0006	-.0009	78.38	-.0001

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0011**	**.0020**	**.0014**	**.0014**	**.7394**	**1.841**	**-.0007**	**14.69**	**.2396**
Stddev	.0009	.0002	.0001	.0002	.0002	.021	.0030	.02	.0010
%RSD	78.98	7.681	8.067	12.08	.0214	1.116	406.0	.1181	.4133
#1	.0006	.0022	.0014	.0014	.7396	1.860	.0004	14.71	.2406
#2	.0007	.0021	.0015	.0012	.7394	1.819	.0015	14.67	.2395
#3	.0022	.0019	.0013	.0015	.7393	1.844	-.0041	14.69	.2387

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0028**	**10.97**	**.0022**	**.0256**	**.0019**	**19.96**	**.0101**	**.0043**	**9.500**
Stddev	.0001	.01	.0002	.0009	.0006	.04	.0016	.0021	.016
%RSD	3.115	.1342	7.961	3.329	30.36	.1778	15.72	48.69	.1673
#1	.0027	10.97	.0022	.0248	.0024	19.93	.0091	.0067	9.487
#2	.0029	10.98	.0021	.0265	.0020	20.00	.0120	.0028	9.518
#3	.0028	10.95	.0024	.0255	.0013	19.97	.0093	.0034	9.494

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0032**	**.1581**	**-.0006**	**.0051**	**-.0002**	**-.0015**	**.0005**	**-.0003**
Stddev	.0002	.0001	.0002	.0006	.0001	.0003	.0001	.0001
%RSD	5.382	.0363	26.46	11.98	33.38	19.61	18.39	32.56
#1	-.0034	.1581	-.0005	.0044	-.0003	-.0018	.0005	-.0004
#2	-.0033	.1582	-.0008	.0056	-.0002	-.0012	.0004	-.0002
#3	-.0031	.1581	-.0006	.0051	-.0002	-.0015	.0006	-.0004

Zoom In Zoom Out

Sample Name: JE20168-6 Acquired: 10/20/2025 16:49:18 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**19627.**	**232730.**	**35189.**	**9540.8**
Stddev	5.	1423.	256.	3.8
%RSD	.02716	.61160	.72743	.03977
#1	19624.	231260.	35104.	9541.1
#2	19623.	234100.	34987.	9544.4
#3	19633.	232840.	35477.	9536.9

Zoom In Zoom Out

Sample Name: JE20168-7 Acquired: 10/20/2025 16:54:23 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0312**	**.0023**	**.1953**	**.0266**	**-.0006**	**-.0007**	**150.0**	**-.0007**
Stddev	.0004	.0085	.0005	.0018	.0002	.0000	.0013	2.8	.0002
%RSD	144.1	27.22	20.34	.9271	.6007	7.959	178.1	1.870	24.92
#1	.0007	.0228	.0022	.1932	.0267	-.0005	.0008	149.9	-.0006
#2	-.0000	.0311	.0028	.1966	.0264	-.0006	-.0014	152.9	-.0009
#3	.0001	.0398	.0018	.1961	.0267	-.0006	-.0016	147.3	-.0006

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0034**	**.0012**	**.0035**	**.0021**	**.0968**	**3.694**	**-.0018**	**41.61**	**.1583**
Stddev	.0021	.0002	.0002	.0001	.0010	.056	.0023	.05	.0024
%RSD	60.96	17.87	4.335	2.874	1.077	1.520	128.3	.1226	1.494
#1	.0051	.0015	.0037	.0022	.0961	3.660	-.0027	41.57	.1589
#2	.0041	.0012	.0034	.0021	.0964	3.759	.0008	41.67	.1557
#3	.0011	.0010	.0035	.0022	.0980	3.663	-.0035	41.60	.1603

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0045**	**19.40**	**.0048**	**.0902**	**.0000**	**61.16**	**.0094**	**.0042**	**10.50**
Stddev	.0001	.03	.0001	.0003	.0005	.18	.0012	.0012	.03
%RSD	2.114	.1465	2.596	.2956	1322.	.2935	13.13	28.24	.2603
#1	.0045	19.39	.0048	.0904	-.0004	60.96	.0104	.0034	10.47
#2	.0046	19.43	.0046	.0903	-.0002	61.24	.0080	.0036	10.52
#3	.0044	19.38	.0049	.0899	.0006	61.29	.0099	.0056	10.52

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0029**	**.4210**	**-.0009**	**.0055**	**.0004**	**-.0015**	**.0152**	**-.0004**
Stddev	.0007	.0007	.0004	.0008	.0003	.0006	.0002	.0002
%RSD	22.90	.1719	38.08	15.45	66.17	43.33	.9931	47.59
#1	-.0031	.4215	-.0010	.0061	.0007	-.0020	.0153	-.0002
#2	-.0035	.4213	-.0005	.0058	.0001	-.0016	.0151	-.0004
#3	-.0022	.4202	-.0012	.0045	.0004	-.0008	.0153	-.0006

Zoom In Zoom Out

Sample Name: JE20168-7 Acquired: 10/20/2025 16:54:23 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**19112.**	**226880.**	**35053.**	**9357.0**
Stddev	86.	3362.	290.	50.4
%RSD	.45132	1.4817	.82861	.53909
#1	19211.	225300.	35357.	9414.5
#2	19051.	230740.	34778.	9320.3
#3	19075.	224600.	35023.	9336.0

Zoom In Zoom Out

Sample Name: CCV Acquired: 10/20/2025 16:59:30 Type: QC
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2451**	**40.66**	**2.054**	**2.059**	**2.103**	**2.145**	**2.014**	**42.09**	**2.055**
Stddev	.0050	.07	.001	.003	.002	.008	.003	.06	.003
%RSD	2.034	.1620	.0615	.1317	.0945	.3817	.1662	.1375	.1636
#1	.2422	40.71	2.054	2.059	2.104	2.152	2.011	42.15	2.053
#2	.2509	40.58	2.055	2.061	2.104	2.146	2.017	42.05	2.059
#3	.2423	40.67	2.053	2.056	2.101	2.136	2.013	42.06	2.053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.057**	**2.075**	**2.045**	**2.048**	**41.33**	**41.41**	**2.130**	**41.09**	**2.055**
Stddev	.040	.001	.039	.043	.05	.10	.005	.09	.055
%RSD	1.933	.0304	1.920	2.117	.1115	.2329	.2545	.2164	2.695
#1	2.037	2.076	2.021	2.023	41.38	41.47	2.136	41.16	2.009
#2	2.103	2.074	2.091	2.098	41.30	41.46	2.130	40.99	2.116
#3	2.032	2.075	2.024	2.023	41.30	41.30	2.125	41.11	2.040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.058**	**41.03**	**2.081**	**2.043**	**2.081**	**2.076**	**2.039**	**2.067**	**5.129**
Stddev	.002	.07	.001	.002	.002	.002	.002	.004	.004
%RSD	.1040	.1612	.0306	.1091	.0896	.0858	.1013	.2023	.0796
#1	2.057	41.05	2.082	2.041	2.081	2.078	2.037	2.062	5.125
#2	2.061	40.96	2.082	2.045	2.083	2.077	2.039	2.071	5.133
#3	2.057	41.09	2.081	2.042	2.079	2.075	2.041	2.067	5.130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: CCV Acquired: 10/20/2025 16:59:30 Type: QC
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.078**	**2.111**	**2.036**	**2.112**	**2.002**	**2.028**	**2.110**	**2.015**
Stddev	.003	.012	.040	.002	.038	.004	.004	.040
%RSD	.1421	.5665	1.962	.1055	1.887	.1910	.2028	1.967
#1	2.077	2.114	2.013	2.110	1.979	2.024	2.107	1.992
#2	2.081	2.122	2.082	2.114	2.045	2.031	2.115	2.061
#3	2.075	2.098	2.013	2.113	1.981	2.028	2.109	1.993
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**19111.**	**232850.**	**35194.**	**9504.5**
Stddev	45.	3869.	347.	32.5
%RSD	.23749	1.6614	.98598	.34200
#1	19147.	235330.	34926.	9529.5
#2	19060.	228390.	35586.	9467.8
#3	19126.	234820.	35070.	9516.3

Zoom In Zoom Out

Sample Name: CCB Acquired: 10/20/2025 17:04:38 Type: QC
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0009**	**.0017**	**.0010**	**-.0006**	**-.0001**	**.0003**	**.0013**	**-.0131**	**-.0000**
Stddev	.0002	.0088	.0008	.0009	.0003	.0002	.0005	.0024	.0001
%RSD	19.54	515.0	87.00	139.0	273.5	56.84	39.90	18.00	514.2
#1	.0008	.0119	.0017	.0002	.0002	.0004	.0007	-.0105	-.0001
#2	.0011	-.0031	.0001	-.0005	-.0004	.0003	.0016	-.0138	-.0000
#3	.0008	-.0036	.0011	-.0015	-.0001	.0001	.0015	-.0151	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0003**	**.0001**	**.0002**	**.0004**	**.0082**	**.0763**	**-.0004**	**.0047**	**.0001**
Stddev	.0016	.0003	.0001	.0003	.0034	.0539	.0013	.0136	.0000
%RSD	557.1	311.2	60.75	91.04	41.42	70.65	300.0	287.3	37.70
#1	.0003	.0004	.0004	.0001	.0112	.1383	-.0001	.0201	.0002
#2	-.0021	-.0000	.0001	.0002	.0090	.0510	.0006	-.0002	.0001
#3	.0010	-.0001	.0002	.0007	.0045	.0397	-.0019	-.0057	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0347**	**-.0001**	**.0003**	**.0003**	**.0013**	**-.0001**	**.0004**	**-.0057**
Stddev	.0001	.0172	.0001	.0004	.0002	.0019	.0008	.0004	.0012
%RSD	160.1	49.57	107.4	133.4	74.85	140.9	537.8	95.17	21.30
#1	.0001	-.0498	-.0000	-.0001	.0005	.0008	-.0010	.0003	-.0065
#2	.0001	-.0160	-.0002	.0007	.0004	.0034	.0005	.0009	-.0043
#3	-.0000	-.0382	-.0000	.0003	.0000	-.0002	.0000	.0001	-.0063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: CCB Acquired: 10/20/2025 17:04:38 Type: QC
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0002**	**.0002**	**.0006**	**.0004**	**-.0017**	**-.0004**	**.0002**
Stddev	.0003	.0002	.0003	.0010	.0002	.0008	.0001	.0001
%RSD	213.7	146.6	159.1	176.8	45.97	44.82	14.93	31.25
#1	.0001	.0004	.0005	.0006	.0006	-.0015	-.0004	.0003
#2	-.0005	.0001	.0000	.0015	.0003	-.0010	-.0004	.0002
#3	-.0000	-.0001	.0000	-.0005	.0003	-.0025	-.0003	.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**20368.**	**240100.**	**35469.**	**9761.0**
Stddev	16.	3466.	102.	15.2
%RSD	.07890	1.4438	.28639	.15601
#1	20385.	243970.	35375.	9778.4
#2	20365.	239050.	35455.	9754.3
#3	20353.	237280.	35577.	9750.3

Zoom In Zoom Out

Sample Name: JE21176-1 Acquired: 10/20/2025 17:09:39 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**3.315**	**.0032**	**.0588**	**.0372**	**-.0002**	**-.0028**	**24.86**	**-.0000**
Stddev	.0002	.016	.0007	.0006	.0002	.0000	.0002	.04	.0002
%RSD	65.46	.4802	21.68	1.098	.5990	20.95	8.756	.1431	419.2
#1	.0006	3.330	.0029	.0595	.0373	-.0002	-.0027	24.86	.0001
#2	.0001	3.315	.0041	.0589	.0374	-.0002	-.0031	24.89	-.0002
#3	.0003	3.299	.0028	.0582	.0370	-.0001	-.0026	24.82	-.0000

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0123**	**.0060**	**.0039**	**.0122**	**3.809**	**2.488**	**.0013**	**5.437**	**1.119**
Stddev	.0038	.0001	.0003	.0003	.007	.018	.0016	.010	.014
%RSD	30.85	1.969	6.763	2.456	.1825	.7314	118.6	.1776	1.290
#1	.0106	.0059	.0042	.0118	3.813	2.497	.0004	5.431	1.135
#2	.0096	.0059	.0036	.0124	3.812	2.499	.0005	5.448	1.116
#3	.0167	.0061	.0039	.0123	3.800	2.467	.0031	5.433	1.106

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0052**	**17.12**	**.0089**	**.2945**	**.0031**	**7.568**	**.0059**	**-.0001**	**8.571**
Stddev	.0002	.04	.0001	.0010	.0002	.006	.0004	.0015	.006
%RSD	3.269	.2251	1.422	.3341	7.104	.0780	6.137	1089.	.0743
#1	.0052	17.16	.0090	.2936	.0033	7.561	.0062	-.0017	8.567
#2	.0054	17.12	.0087	.2956	.0031	7.570	.0055	.0001	8.578
#3	.0051	17.08	.0089	.2944	.0029	7.572	.0060	.0013	8.568

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0019**	**.0606**	**.1351**	**.0020**	**.0048**	**-.0012**	**.4907**	**.0007**
Stddev	.0002	.0001	.0013	.0003	.0002	.0007	.0002	.0002
%RSD	12.09	.1029	.9517	17.02	5.010	56.03	.0391	29.85
#1	-.0017	.0605	.1364	.0023	.0049	-.0005	.4906	.0006
#2	-.0019	.0606	.1351	.0017	.0045	-.0019	.4910	.0005
#3	-.0022	.0606	.1338	.0019	.0049	-.0012	.4906	.0009

Zoom In Zoom Out

Sample Name: JE21176-1 Acquired: 10/20/2025 17:09:39 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**19919.**	**237820.**	**35807.**	**9726.0**
Stddev	25.	2939.	302.	11.4
%RSD	.12329	1.2359	.84478	.11719
#1	19920.	234460.	35491.	9726.6
#2	19944.	239140.	35836.	9737.2
#3	19895.	239880.	36094.	9714.4

Zoom In Zoom Out

Sample Name: JE21176-3 Acquired: 10/20/2025 17:14:35 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**29.98**	**.0101**	**.0770**	**.3261**	**.0013**	**-.0058**	**38.30**	**.0007**
Stddev	.0002	.01	.0012	.0001	.0004	.0001	.0011	.05	.0002
%RSD	167.8	.0427	11.66	.1867	.1137	4.383	19.61	.1221	27.12
#1	.0003	29.97	.0114	.0769	.3261	.0012	-.0059	38.28	.0007
#2	.0001	29.99	.0092	.0771	.3265	.0013	-.0047	38.36	.0010
#3	-.0001	29.97	.0096	.0769	.3258	.0014	-.0070	38.27	.0006

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1373**	**.0153**	**.0397**	**.0651**	**34.72**	**9.799**	**.0401**	**16.60**	**1.094**
Stddev	.0007	.0002	.0007	.0008	.04	.028	.0010	.03	.014
%RSD	.4847	.9977	1.781	1.197	.1039	.2831	2.510	.1932	1.308
#1	.1367	.0154	.0390	.0642	34.72	9.831	.0397	16.59	1.078
#2	.1380	.0151	.0399	.0656	34.75	9.778	.0393	16.64	1.105
#3	.1373	.0153	.0404	.0655	34.68	9.790	.0412	16.57	1.100

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0062**	**43.71**	**.0400**	**.8994**	**.0402**	**6.991**	**.0038**	**-.0001**	**23.49**
Stddev	.0002	.06	.0001	.0019	.0006	.016	.0007	.0024	.13
%RSD	3.021	.1473	.3641	.2074	1.418	.2352	19.25	1690.	.5370
#1	.0061	43.66	.0398	.9010	.0408	7.006	.0041	.0008	23.38
#2	.0062	43.78	.0401	.8974	.0397	6.974	.0030	-.0028	23.45
#3	.0064	43.68	.0400	.8999	.0401	6.992	.0044	.0016	23.63

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0009**	**.2367**	**.9220**	**.0030**	**.0448**	**.0011**	**.1362**	**.0055**
Stddev	.0003	.0003	.0106	.0013	.0006	.0007	.0003	.0000
%RSD	33.32	.1104	1.152	43.58	1.255	59.70	.2139	.7285
#1	-.0006	.2367	.9102	.0030	.0442	.0016	.1364	.0055
#2	-.0013	.2370	.9309	.0017	.0452	.0014	.1359	.0055
#3	-.0009	.2364	.9248	.0043	.0451	.0004	.1363	.0056

Zoom In Zoom Out

Sample Name: JE21176-3 Acquired: 10/20/2025 17:14:35 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**19415.**	**239990.**	**36179.**	**9801.0**
Stddev	7.	3364.	72.	5.9
%RSD	.03667	1.4015	.20030	.05991
#1	19422.	243750.	36096.	9807.7
#2	19408.	237270.	36225.	9796.9
#3	19413.	238940.	36217.	9798.4

Zoom In Zoom Out

Sample Name: JE21194-1 Acquired: 10/20/2025 17:19:29 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**15.86**	**.0206**	**.1995**	**.5194**	**.0005**	**-.0040**	F **244.1**	**-.0020**
Stddev	.0002	.03	.0004	.0008	.0004	.0001	.0015	2.2	.0003
%RSD	38.99	.1735	1.854	.3814	.0813	11.19	37.28	.8919	12.51
#1	.0005	15.89	.0201	.1993	.5197	.0006	-.0046	246.5	-.0023
#2	.0004	15.87	.0207	.1989	.5196	.0005	-.0023	243.5	-.0019
#3	.0008	15.83	.0209	.2004	.5189	.0005	-.0052	242.2	-.0019

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0874**	**.0137**	**.0196**	**.0357**	**45.56**	**8.944**	**.2304**	**46.79**	**2.222**
Stddev	.0042	.0002	.0003	.0001	.11	.041	.0020	.05	.021
%RSD	4.819	1.479	1.680	.2949	.2502	.4552	.8872	.1107	.9263
#1	.0888	.0140	.0197	.0358	45.66	8.957	.2314	46.83	2.242
#2	.0907	.0136	.0199	.0358	45.57	8.898	.2281	46.81	2.223
#3	.0827	.0136	.0192	.0356	45.44	8.976	.2318	46.73	2.201

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**91.17**	**.0303**	**2.059**	**.0100**	**.6578**	**.0082**	**-.0016**	F **28.26**
Stddev	.0002	.29	.0002	.005	.0015	.0030	.0009	.0018	.07
%RSD	115.7	.3212	.6412	.2292	15.04	.4491	11.17	109.6	.2470
#1	.0002	91.41	.0303	2.064	.0085	.6608	.0091	.0002	28.33
#2	-.0001	91.26	.0301	2.054	.0100	.6549	.0081	-.0017	28.19
#3	.0003	90.84	.0305	2.058	.0115	.6577	.0073	-.0033	28.26

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0005**	**1.934**	**.3915**	**.0057**	**.0381**	**-.0036**	**.1471**	**.0057**
Stddev	.0003	.018	.0026	.0007	.0004	.0004	.0007	.0000
%RSD	51.37	.9543	.6679	11.69	1.137	11.26	.4968	.4885
#1	-.0007	1.917	.3924	.0054	.0379	-.0041	.1478	.0057
#2	-.0006	1.933	.3936	.0052	.0386	-.0034	.1463	.0057
#3	-.0002	1.954	.3886	.0064	.0378	-.0033	.1472	.0056

Zoom In Zoom Out

Sample Name: JE21194-1 Acquired: 10/20/2025 17:19:29 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**18583.**	**235560.**	**36197.**	**9598.6**
Stddev	68.	1922.	132.	44.5
%RSD	.36513	.81589	.36525	.46365
#1	18554.	233810.	36327.	9572.7
#2	18660.	235260.	36063.	9649.9
#3	18534.	237610.	36201.	9573.1

Zoom In Zoom Out

Sample Name: JE21232-1 Acquired: 10/20/2025 17:24:46 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0010**	**.1351**	**.0001**	**.0678**	**.0999**	**-.0004**	**-.0009**	**2.010**	**-.0003**
Stddev	.0002	.0109	.0004	.0010	.0002	.0000	.0004	.006	.0002
%RSD	18.70	8.064	575.0	1.526	.2272	8.853	39.85	.3072	62.45
#1	.0012	.1475	-.0004	.0687	.1001	-.0005	-.0012	2.013	-.0001
#2	.0008	.1274	.0003	.0666	.0997	-.0004	-.0005	2.015	-.0002
#3	.0009	.1303	.0003	.0680	.0998	-.0004	-.0010	2.003	-.0005

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0044**	**.0021**	**-.0002**	**.0024**	**.3137**	**1.284**	**-.0016**	**1.432**	**.0502**
Stddev	.0005	.0001	.0001	.0005	.0019	.014	.0016	.018	.0004
%RSD	11.36	4.992	72.06	21.63	.5933	1.112	97.15	1.274	.8530
#1	.0046	.0022	-.0000	.0018	.3142	1.283	-.0031	1.452	.0497
#2	.0039	.0021	-.0003	.0026	.3153	1.299	-.0019	1.417	.0505
#3	.0048	.0020	-.0002	.0027	.3117	1.271	.0001	1.426	.0504

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**12.03**	**.0008**	**.0520**	**.0001**	**4.441**	**-.0001**	**-.0002**	**3.182**
Stddev	.0002	.01	.0000	.0004	.0004	.036	.0010	.0004	.027
%RSD	72.56	.0891	2.704	.8406	354.4	.8219	653.1	246.8	.8499
#1	-.0001	12.03	.0008	.0524	.0005	4.482	-.0004	-.0005	3.213
#2	-.0004	12.03	.0007	.0515	.0002	4.424	-.0009	.0003	3.168
#3	-.0001	12.01	.0008	.0521	-.0003	4.415	.0009	-.0002	3.165

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**.0186**	**-.0006**	**-.0006**	**-.0002**	**-.0015**	**.0072**	**-.0002**
Stddev	.0007	.0001	.0001	.0007	.0001	.0002	.0000	.0000
%RSD	334.4	.8003	20.15	117.0	45.91	15.83	.2741	15.68
#1	-.0004	.0187	-.0005	.0002	-.0001	-.0018	.0073	-.0003
#2	-.0008	.0184	-.0007	-.0011	-.0003	-.0013	.0072	-.0003
#3	.0005	.0186	-.0005	-.0010	-.0003	-.0015	.0072	-.0002

Zoom In Zoom Out

Sample Name: JE21232-1 Acquired: 10/20/2025 17:24:46 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**20142.**	**239060.**	**35387.**	**9700.4**
Stddev	161.	2558.	329.	82.4
%RSD	.80059	1.0699	.92981	.84958
#1	19959.	241980.	35117.	9610.4
#2	20262.	237990.	35291.	9772.1
#3	20205.	237210.	35754.	9718.8

Zoom In Zoom Out

Sample Name: JE21232-2 Acquired: 10/20/2025 17:29:46 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0009**	**-.0095**	**.0004**	**.1273**	**.1089**	**-.0005**	**-.0000**	**2.314**	**-.0004**
Stddev	.0001	.0017	.0005	.0003	.0001	.0001	.0006	.004	.0001
%RSD	13.01	17.79	127.4	.2391	.1138	14.75	9963.	.1824	27.24
#1	.0010	-.0086	.0001	.1274	.1090	-.0006	.0007	2.319	-.0004
#2	.0008	-.0084	.0010	.1276	.1088	-.0005	-.0005	2.311	-.0004
#3	.0010	-.0114	.0001	.1270	.1089	-.0004	-.0002	2.311	-.0002

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0005**	**.0003**	**-.0003**	**.0004**	**.8568**	**1.200**	**-.0032**	**.9555**	**.0608**
Stddev	.0023	.0001	.0002	.0004	.0041	.029	.0030	.0095	.0001
%RSD	505.8	40.00	55.18	80.00	.4839	2.425	94.32	.9979	.2402
#1	.0018	.0003	-.0005	.0001	.8606	1.168	-.0038	.9657	.0609
#2	-.0003	.0004	-.0004	.0004	.8523	1.226	-.0060	.9469	.0607
#3	-.0029	.0002	-.0001	.0008	.8574	1.204	.0000	.9539	.0607

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0003**	**16.30**	**.0000**	**.0595**	**-.0009**	**4.873**	**-.0003**	**-.0004**	**3.734**
Stddev	.0002	.02	.0002	.0002	.0004	.006	.0010	.0008	.003
%RSD	65.13	.1081	8628.	.2744	42.56	.1313	369.1	210.1	.0919
#1	-.0001	16.32	.0002	.0594	-.0011	4.867	-.0012	-.0004	3.732
#2	-.0004	16.28	.0000	.0595	-.0011	4.880	.0008	.0004	3.737
#3	-.0003	16.30	-.0002	.0597	-.0004	4.872	-.0004	-.0012	3.731

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0010**	**.0169**	**-.0004**	**-.0005**	**-.0002**	**-.0026**	**.0124**	**-.0003**
Stddev	.0003	.0000	.0002	.0001	.0001	.0009	.0001	.0000
%RSD	27.12	.1769	59.41	20.53	45.50	34.07	.7693	11.47
#1	-.0007	.0169	-.0002	-.0003	-.0002	-.0018	.0125	-.0003
#2	-.0012	.0169	-.0004	-.0005	-.0003	-.0025	.0125	-.0004
#3	-.0011	.0169	-.0007	-.0005	-.0001	-.0036	.0123	-.0004

Zoom In Zoom Out

Sample Name: JE21232-2 Acquired: 10/20/2025 17:29:46 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**20195.**	**241120.**	**35467.**	**9715.7**
Stddev	21.	1510.	23.	10.0
%RSD	.10538	.62625	.06588	.10330
#1	20171.	239500.	35472.	9704.4
#2	20202.	241360.	35487.	9719.3
#3	20212.	242500.	35441.	9723.5

Zoom In Zoom Out

Sample Name: JE21232-4 Acquired: 10/20/2025 17:34:42 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0140**	**.0010**	**.0712**	**.0433**	**-.0005**	**.0002**	**1.468**	**-.0004**
Stddev	.0001	.0027	.0001	.0010	.0002	.0001	.0012	.003	.0001
%RSD	172.9	19.21	8.605	1.357	.3861	24.26	728.4	.1839	22.34
#1	-.0000	.0109	.0011	.0701	.0434	-.0004	.0009	1.465	-.0003
#2	.0001	.0158	.0010	.0714	.0433	-.0006	.0009	1.470	-.0005
#3	.0000	.0153	.0009	.0720	.0431	-.0004	-.0012	1.470	-.0004

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0086**	**.0002**	**-.0002**	**.0013**	**11.33**	**1.252**	**-.0017**	**.7674**	**.0347**
Stddev	.0005	.0002	.0001	.0003	.01	.060	.0016	.0064	.0005
%RSD	6.323	108.4	49.19	24.42	.1028	4.802	95.12	.8388	1.510
#1	.0083	.0001	-.0003	.0012	11.33	1.307	-.0023	.7657	.0343
#2	.0093	.0005	-.0001	.0010	11.32	1.261	-.0028	.7620	.0345
#3	.0083	.0000	-.0002	.0016	11.34	1.188	.0001	.7745	.0353

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**15.31**	**.0036**	**.0972**	**-.0003**	**4.908**	**.0004**	**-.0003**	**2.816**
Stddev	.0001	.02	.0001	.0001	.0004	.001	.0004	.0012	.003
%RSD	48.10	.1056	1.941	.0875	127.3	.0236	98.66	408.2	.0892
#1	-.0002	15.30	.0036	.0973	.0001	4.908	.0001	.0011	2.817
#2	-.0001	15.29	.0036	.0972	-.0006	4.909	.0009	-.0008	2.813
#3	-.0002	15.32	.0037	.0972	-.0005	4.907	.0002	-.0012	2.817

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0006**	**.0101**	**-.0004**	**-.0007**	**-.0002**	**-.0023**	**.2337**	**-.0004**
Stddev	.0004	.0000	.0002	.0009	.0001	.0004	.0005	.0002
%RSD	59.33	.3829	56.20	137.6	48.97	16.82	.2125	34.21
#1	-.0002	.0102	-.0002	-.0009	-.0001	-.0027	.2332	-.0004
#2	-.0009	.0101	-.0004	.0004	-.0004	-.0019	.2336	-.0003
#3	-.0008	.0101	-.0006	-.0014	-.0002	-.0023	.2342	-.0006

Zoom In Zoom Out

Sample Name: JE21232-4 Acquired: 10/20/2025 17:34:42 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**20201.**	**238880.**	**35698.**	**9721.4**
Stddev	31.	3082.	242.	22.3
%RSD	.15400	1.2901	.67683	.22900
#1	20235.	241230.	35966.	9744.8
#2	20193.	240010.	35631.	9718.9
#3	20175.	235390.	35497.	9700.5

Zoom In Zoom Out

Sample Name: JE21232-5 Acquired: 10/20/2025 17:39:35 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.1935**	**.0009**	**.0679**	**.1113**	**-.0004**	**.0001**	**2.053**	**-.0002**
Stddev	.0001	.0059	.0016	.0004	.0003	.0001	.0023	.003	.0001
%RSD	25.16	3.064	188.7	.6631	.2636	17.24	1739.	.1341	69.29
#1	.0006	.2003	-.0004	.0684	.1116	-.0004	.0016	2.054	-.0002
#2	.0004	.1906	.0027	.0676	.1114	-.0004	.0013	2.055	-.0004
#3	.0004	.1895	.0003	.0676	.1110	-.0003	-.0025	2.050	-.0001

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0061**	**.0023**	**-.0003**	**.0005**	**.0572**	**1.228**	**-.0016**	**1.613**	**.0515**
Stddev	.0022	.0001	.0002	.0001	.0014	.017	.0022	.013	.0002
%RSD	35.87	3.746	73.62	25.17	2.409	1.358	141.5	.8117	.3308
#1	.0076	.0022	-.0005	.0006	.0571	1.246	-.0033	1.598	.0515
#2	.0071	.0023	-.0002	.0004	.0586	1.214	-.0023	1.620	.0516
#3	.0036	.0024	-.0001	.0006	.0559	1.222	.0009	1.620	.0513

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**10.76**	**.0009**	**.0508**	**-.0006**	**4.185**	**-.0014**	**-.0007**	**3.213**
Stddev	.0001	.01	.0000	.0002	.0004	.007	.0012	.0005	.004
%RSD	42.14	.1150	3.932	.4720	72.66	.1745	83.13	68.71	.1376
#1	-.0002	10.78	.0010	.0505	-.0007	4.191	-.0022	-.0010	3.217
#2	-.0002	10.76	.0009	.0508	-.0009	4.188	-.0001	-.0001	3.209
#3	-.0001	10.76	.0010	.0509	-.0001	4.177	-.0020	-.0009	3.212

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0009**	**.0203**	**-.0005**	**-.0004**	**-.0006**	**-.0022**	**.0015**	**-.0003**
Stddev	.0002	.0001	.0002	.0009	.0002	.0005	.0001	.0001
%RSD	21.01	.3816	40.64	242.7	28.59	21.04	4.649	25.47
#1	-.0008	.0204	-.0007	-.0013	-.0006	-.0027	.0015	-.0004
#2	-.0009	.0203	-.0007	.0004	-.0004	-.0023	.0016	-.0004
#3	-.0012	.0202	-.0003	-.0002	-.0008	-.0017	.0015	-.0002

Zoom In Zoom Out

Sample Name: JE21232-5 Acquired: 10/20/2025 17:39:35 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**20162.**	**238640.**	**35566.**	**9692.1**
Stddev	23.	1311.	72.	14.2
%RSD	.11205	.54917	.20229	.14671
#1	20178.	239230.	35516.	9707.9
#2	20137.	237140.	35649.	9680.3
#3	20172.	239560.	35535.	9688.2

Zoom In Zoom Out

Sample Name: MP57993-S1 Acquired: 10/20/2025 17:44:34 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2652**	**25.22**	**2.126**	**5.095**	**2.145**	**2.072**	**-.0037**	**57.83**	**2.034**
Stddev	.0024	.08	.004	.004	.007	.011	.0020	.21	.001
%RSD	.9006	.3196	.1984	.0882	.3084	.5188	54.88	.3643	.0373
#1	.2648	25.30	2.121	5.090	2.152	2.085	-.0024	58.07	2.034
#2	.2631	25.14	2.129	5.099	2.139	2.066	-.0060	57.67	2.035
#3	.2678	25.21	2.128	5.095	2.143	2.066	-.0026	57.76	2.034

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0032**	**2.047**	**2.036**	**2.031**	**27.76**	**52.43**	**-.0011**	**39.52**	**2.181**
Stddev	.0030	.003	.019	.022	.12	.09	.0009	.18	.038
%RSD	94.61	.1266	.9143	1.069	.4462	.1697	84.28	.4676	1.754
#1	.0022	2.045	2.042	2.033	27.89	52.49	-.0004	39.72	2.205
#2	.0007	2.050	2.016	2.008	27.65	52.33	-.0007	39.35	2.136
#3	.0065	2.047	2.051	2.052	27.74	52.47	-.0022	39.50	2.200

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.069**	**177.4**	**2.057**	**.0667**	**2.046**	**7.201**	**2.061**	**2.064**	**4.431**
Stddev	.001	1.0	.002	.0007	.003	.006	.003	.002	.004
%RSD	.0470	.5730	.0831	1.043	.1659	.0898	.1197	.0703	.0993
#1	2.068	178.5	2.056	.0673	2.042	7.206	2.059	2.064	4.427
#2	2.070	176.4	2.059	.0659	2.049	7.204	2.064	2.065	4.436
#3	2.068	177.2	2.058	.0668	2.046	7.194	2.061	2.062	4.429

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.073**	**2.163**	**2.070**	**2.060**	**2.009**	**2.028**	**2.079**	**2.055**
Stddev	.005	.025	.021	.002	.017	.004	.002	.021
%RSD	.2298	1.168	1.036	.0967	.8579	.1936	.1143	1.011
#1	2.068	2.145	2.076	2.059	2.013	2.024	2.077	2.059
#2	2.073	2.192	2.046	2.063	1.991	2.031	2.079	2.032
#3	2.078	2.151	2.087	2.060	2.025	2.030	2.081	2.073

Zoom In Zoom Out

Sample Name: MP57993-S1 Acquired: 10/20/2025 17:44:34 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**18553.**	**222940.**	**35019.**	**9298.0**
Stddev	28.	1573.	143.	14.5
%RSD	.15009	.70538	.40740	.15635
#1	18585.	221680.	35182.	9314.2
#2	18533.	224700.	34959.	9293.8
#3	18542.	222440.	34916.	9286.1

Zoom In Zoom Out

Sample Name: MP57993-S2 Acquired: 10/20/2025 17:49:50 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2627**	**25.66**	**2.132**	**5.177**	**2.192**	**2.122**	**-.0025**	**59.83**	**2.045**
Stddev	.0031	.04	.001	.002	.002	.002	.0009	.09	.002
%RSD	1.173	.1754	.0447	.0462	.1010	.0727	35.87	.1436	.0898
#1	.2613	25.69	2.132	5.179	2.195	2.122	-.0035	59.90	2.048
#2	.2606	25.69	2.132	5.175	2.192	2.123	-.0021	59.85	2.044
#3	.2663	25.61	2.133	5.178	2.190	2.120	-.0019	59.73	2.045

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0037**	**2.065**	**2.026**	**2.035**	**28.35**	**54.31**	**-.0010**	**40.61**	**2.176**
Stddev	.0018	.000	.022	.022	.04	.07	.0017	.09	.024
%RSD	48.53	.0205	1.095	1.081	.1545	.1198	176.2	.2170	1.094
#1	.0044	2.066	2.020	2.023	28.37	54.37	-.0029	40.69	2.174
#2	.0016	2.065	2.008	2.021	28.37	54.32	-.0006	40.62	2.154
#3	.0050	2.065	2.051	2.060	28.30	54.24	.0005	40.52	2.201

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.095**	**183.4**	**2.074**	**.0667**	**2.057**	**7.402**	**2.072**	**2.064**	**4.503**
Stddev	.003	1.4	.001	.0009	.002	.006	.002	.001	.004
%RSD	.1644	.7465	.0366	1.342	.0743	.0811	.0880	.0691	.0991
#1	2.099	184.9	2.075	.0657	2.059	7.408	2.074	2.062	4.507
#2	2.093	182.9	2.074	.0672	2.057	7.396	2.071	2.065	4.498
#3	2.092	182.3	2.073	.0673	2.056	7.402	2.072	2.065	4.503

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.087**	**2.253**	**2.062**	**2.068**	**1.998**	**2.051**	**2.094**	**2.047**
Stddev	.004	.016	.024	.002	.023	.004	.002	.024
%RSD	.1721	.7193	1.138	.0865	1.167	.1889	.0742	1.179
#1	2.091	2.244	2.053	2.069	1.993	2.055	2.095	2.038
#2	2.085	2.272	2.044	2.066	1.978	2.051	2.092	2.029
#3	2.084	2.243	2.088	2.069	2.024	2.048	2.095	2.074

Zoom In Zoom Out

Sample Name: MP57993-S2 Acquired: 10/20/2025 17:49:50 Type: Unk
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**18587.**	**226950.**	**34664.**	**9304.5**
Stddev	26.	2513.	111.	14.3
%RSD	.13798	1.1075	.32124	.15392
#1	18593.	227030.	34553.	9298.3
#2	18610.	229420.	34664.	9320.8
#3	18559.	224400.	34776.	9294.3

Zoom In Zoom Out

Sample Name: CCV Acquired: 10/20/2025 17:55:07 Type: QC
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2480**	**40.80**	**2.061**	**2.069**	**2.111**	**2.150**	**2.021**	**42.24**	**2.062**
Stddev	.0023	.06	.002	.004	.005	.001	.005	.08	.002
%RSD	.9212	.1524	.1050	.1927	.2198	.0551	.2352	.1835	.1025
#1	.2493	40.87	2.058	2.065	2.108	2.151	2.017	42.33	2.059
#2	.2494	40.74	2.061	2.073	2.109	2.149	2.026	42.21	2.063
#3	.2454	40.79	2.062	2.069	2.116	2.151	2.021	42.18	2.063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.075**	**2.073**	**2.065**	**2.069**	**41.40**	**41.66**	**2.141**	**41.17**	**2.069**
Stddev	.017	.002	.016	.017	.04	.05	.001	.12	.032
%RSD	.8146	.1157	.7935	.8091	.0998	.1281	.0303	.3016	1.527
#1	2.086	2.071	2.078	2.079	41.44	41.72	2.141	41.29	2.105
#2	2.083	2.072	2.070	2.077	41.36	41.67	2.141	41.19	2.046
#3	2.056	2.075	2.047	2.049	41.40	41.61	2.142	41.05	2.056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.066**	**41.31**	**2.087**	**2.049**	**2.081**	**2.072**	**2.045**	**2.066**	**5.154**
Stddev	.002	.04	.001	.003	.003	.003	.004	.001	.008
%RSD	.0955	.0910	.0581	.1501	.1411	.1589	.2215	.0409	.1586
#1	2.064	41.36	2.086	2.048	2.077	2.068	2.039	2.065	5.146
#2	2.068	41.29	2.088	2.053	2.082	2.071	2.048	2.065	5.162
#3	2.066	41.30	2.089	2.047	2.083	2.075	2.047	2.067	5.156
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: CCV Acquired: 10/20/2025 17:55:07 Type: QC
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.087**	**2.078**	**2.058**	**2.111**	**2.021**	**2.035**	**2.116**	**2.037**
Stddev	.001	.011	.017	.003	.015	.004	.001	.018
%RSD	.0637	.5093	.8137	.1444	.7487	.1730	.0394	.8628
#1	2.086	2.065	2.072	2.107	2.031	2.031	2.115	2.051
#2	2.089	2.083	2.063	2.112	2.028	2.037	2.116	2.043
#3	2.087	2.085	2.039	2.113	2.003	2.037	2.117	2.018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**19012.**	**229730.**	**34974.**	**9420.2**
Stddev	61.	1737.	221.	35.5
%RSD	.31900	.75596	.63135	.37682
#1	18975.	228060.	34771.	9402.8
#2	18979.	229590.	34942.	9396.6
#3	19082.	231530.	35209.	9461.0

Inst QC: MA59582

Zoom In Zoom Out

Sample Name: CCB Acquired: 10/20/2025 18:00:14 Type: QC
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**-.0106**	**.0011**	**.0047**	**.0002**	**.0004**	**.0010**	**-.0149**	**-.0001**
Stddev	.0001	.0085	.0005	.0010	.0002	.0000	.0005	.0014	.0001
%RSD	70.49	80.62	48.53	20.82	116.1	9.196	48.81	9.397	175.1
#1	.0004	-.0176	.0012	.0050	.0004	.0004	.0016	-.0138	.0000
#2	.0001	-.0011	.0005	.0055	.0000	.0004	.0007	-.0143	-.0001
#3	.0001	-.0130	.0016	.0036	.0001	.0004	.0007	-.0164	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ce4040	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0012**	**.0003**	**.0003**	**.0006**	**.0044**	**.1511**	**.0005**	**-.0036**	**.0003**
Stddev	.0004	.0000	.0000	.0005	.0020	.0104	.0019	.0052	.0001
%RSD	37.03	8.325	8.686	84.19	44.76	6.872	360.0	144.1	25.89
#1	-.0017	.0003	.0003	.0007	.0055	.1630	.0007	-.0071	.0003
#2	-.0009	.0003	.0004	.0011	.0056	.1453	-.0015	-.0061	.0003
#3	-.0010	.0004	.0003	.0001	.0021	.1449	.0024	.0024	.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na5895	Ni2316	P_1774	Pb2203	S_1820	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0304**	**-.0000**	**.0001**	**-.0004**	**-.0015**	**-.0004**	**-.0006**	**-.0010**
Stddev	.0003	.0086	.0000	.0008	.0006	.0011	.0006	.0013	.0014
%RSD	214.9	28.30	125.5	687.3	145.7	72.45	154.7	238.5	134.6
#1	.0004	.0391	-.0000	.0009	-.0000	-.0009	-.0001	-.0011	-.0000
#2	.0001	.0219	-.0001	-.0006	-.0001	-.0027	-.0010	-.0015	-.0005
#3	-.0002	.0301	.0000	.0001	-.0011	-.0008	.0000	.0010	-.0026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: CCB Acquired: 10/20/2025 18:00:14 Type: QC
Method: SGS No Vlave3(v298) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	W_2079	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0002**	**.0004**	**.0001**	**.0006**	**-.0019**	**-.0004**	**.0006**
Stddev	.0001	.0000	.0002	.0002	.0001	.0008	.0001	.0000
%RSD	347.9	1.969	52.28	320.1	22.38	43.71	21.31	8.582
#1	-.0001	.0002	.0005	-.0002	.0008	-.0013	-.0003	.0006
#2	.0001	.0002	.0005	.0001	.0005	-.0028	-.0004	.0005
#3	.0001	.0002	.0002	.0003	.0006	-.0015	-.0005	.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_3600	Y_3710	Y_2243
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**20260.**	**239170.**	**35085.**	**9663.4**
Stddev	37.	1208.	561.	17.1
%RSD	.18239	.50525	1.5979	.17707
#1	20291.	240390.	34541.	9682.7
#2	20219.	239160.	35053.	9650.2
#3	20270.	237970.	35661.	9657.2

NOTE: The remaining raw data for this batch is not relevant to this job. As such it has been omitted.

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ag 328.068 {103}	☒	20	Mn	0.000231	0.000000	No
			Mo	0.000149	0.000000	No
			Ti	0.000020	0.000000	No
			Fe	0.000002	0.000000	No
			V	-0.001095	0.000000	No
			Zn	0.000020	0.000000	No
			Ca	-0.000000	0.000000	No
			Al	-0.000001	0.000000	No
			Ba	0.000005	0.000000	No
			Cr	0.000036	0.000000	No
			Si	-0.000002	0.000000	No
			Zr	0.006654	0.000000	No
			W	0.000162	0.000000	No
			Sn	0.000000	0.000000	No
			Ni	-0.000100	0.000000	No
			Ce	-0.001115	0.000000	No
			Mg	-0.000000	0.000000	No
			Co	0.000060	0.000000	No
			As	0.000080	0.000000	No
			Cu	-0.000089	0.000000	No
Al 396.152 { 85}	☒	8	Si	0.000378	0.000000	No
			Ca	0.000191	0.000000	No
			Mo	0.050471	0.000000	No
			Zr	0.016358	0.000000	No
			Ti	-0.000017	0.000000	No
			Ce	0.007470	0.000000	No
			Fe	0.000298	0.000000	No
			Cr	0.002100	0.000000	No
As 189.042 {478}	☒	25	Al	0.000012	0.000000	No
			Fe	-0.000005	0.000000	No
			Ca	0.000001	0.000000	No
			Mn	-0.000036	0.000000	No
			Mo	0.001651	0.000000	No
			Cr	0.000580	0.000000	No
			V	0.000134	0.000000	No
			Co	-0.000060	0.000000	No
			Sn	0.000019	0.000000	No
			Cd	-0.000065	0.000000	No
			Tl	0.000000	0.000000	No
			Si	0.000007	0.000000	No
			Zn	-0.000052	0.000000	No
			Sr	-0.000090	0.000000	No
			Zr	0.000048	0.000000	No
			Ti	0.000052	0.000000	No
			Cu	0.000076	0.000000	No
			Ag	0.000300	0.000000	No
			Mg	0.000004	0.000000	No
			W	0.001250	0.000000	No
			S	0.000001	0.000000	No
			B	0.000191	0.000000	No
			Ce	-0.000380	0.000000	No
			Se	0.000220	0.000000	No
			Ni	0.000164	0.000000	No
B 208.959 {462}	☒	10	Mo	0.051750	0.000000	No
			W	0.002650	0.000000	No
			Sn	-0.000026	0.000000	No
			Fe	-0.000010	0.000000	No
			Al	-0.000003	0.000000	No
			Ca	0.000028	0.000000	No
			Mg	-0.000008	0.000000	No
			V	0.001150	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Ba	0.001204	0.000000	No
			Be	0.000718	0.000000	No
Ba 455.403 { 74}	☒	2	Zr	0.001250	0.000000	No
			Al	0.000013	0.000000	No
Be 313.042 {108}	☒	14	V	0.000027	0.000000	No
			Mo	-0.000050	0.000000	No
			Ti	-0.000040	0.000000	No
			Mn	-0.000015	0.000000	No
			Cu	-0.000008	0.000000	No
			Zn	-0.000010	0.000000	No
			Al	-0.000001	0.000000	No
			Ni	0.000001	0.000000	No
			Cr	-0.000020	0.000000	No
			Fe	-0.000000	0.000000	No
			Mg	0.000000	0.000000	No
			K	0.000000	0.000000	No
			Ca	-0.000000	0.000000	No
			Ce	0.000100	0.000000	No
Bi 223.061 {451}	☒	11	V	-0.000300	0.000000	No
			Co	-0.000920	0.000000	No
			Mg	0.000000	0.000000	No
			W	-0.001400	0.000000	No
			Cu	-0.001400	0.000000	No
			Fe	0.000202	0.000000	No
			Cr	0.001600	0.000000	No
			Ti	-0.004254	0.000000	No
			Ce	-0.010000	0.000000	No
			Ca	-0.000003	0.000000	No
			Al	-0.000016	0.000000	No
Ca 317.933 {106}	☒	14	Fe	0.000130	0.000000	No
			W	0.003960	0.000000	No
			Tl	0.004945	0.000000	No
			Be	0.001840	0.000000	No
			Ba	0.003500	0.000000	No
			Cu	-0.001800	0.000000	No
			Cd	0.003700	0.000000	No
			Ni	0.001513	0.000000	No
			B	-0.000210	0.000000	No
			Se	0.002000	0.000000	No
			Co	0.000540	0.000000	No
			Cr	0.000640	0.000000	No
			Al	0.000026	0.000000	No
			As	0.002488	0.000000	No
Cd 228.802 {448}	☒	18	As	0.020558	0.000000	No
			Ni	-0.000146	0.000000	No
			Fe	-0.000006	0.000000	No
			V	0.000110	0.000000	No
			Ba	0.000021	0.000000	No
			Co	-0.000414	0.000000	No
			Mn	0.000063	0.000000	No
			Cr	-0.000010	0.000000	No
			Cu	-0.000009	0.000000	No
			Ti	0.000000	0.000000	No
			Mo	0.000030	0.000000	No
			W	0.000130	0.000000	No
			Zn	-0.000020	0.000000	No
			Zr	-0.000031	0.000000	No
			Al	-0.000001	0.000000	No
			Mg	0.000000	0.000000	No
			Ca	0.000011	0.000000	No
			Ce	-0.000570	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ce 404.076 { 83}	☒	7	Fe	0.000330	0.000000	No
			Mn	-0.001360	0.000000	No
			Zr	0.000000	0.000000	No
			Cr	-0.002110	0.000000	No
			Ca	0.000008	0.000000	No
			Al	0.000015	0.000000	No
			Li	-0.002240	0.000000	No
Co 228.616 {448}	☒	9	Cr	0.000122	0.000000	No
			Mo	-0.000090	0.000000	No
			Ni	0.000091	0.000000	No
			Ti	0.001980	0.000000	No
			W	0.000160	0.000000	No
			Cd	0.000012	0.000000	No
			Be	0.000100	0.000000	No
			Fe	0.000005	0.000000	No
			Ca	0.000014	0.000000	No
Cr 267.716 {126}	☒	9	Mn	0.000621	0.000000	No
			Mo	-0.000039	0.000000	No
			Ba	0.000013	0.000000	No
			Cu	0.000020	0.000000	No
			Sr	0.000003	0.000000	No
			Fe	-0.000008	0.000000	No
			W	0.000310	0.000000	No
			Ca	0.000003	0.000000	No
			Ti	0.000030	0.000000	No
Cu 324.754 {104}2	☒	18	Cr	-0.000281	0.000000	No
			V	-0.000058	0.000000	No
			Mo	-0.000090	0.000000	No
			Ti	0.000538	0.000000	No
			Fe	-0.000186	0.000000	No
			Sn	0.000103	0.000000	No
			Zr	-0.000190	0.000000	No
			Si	0.000000	0.000000	No
			Ag	-0.000327	0.000000	No
			Sb	0.000010	0.000000	No
			B	0.000000	0.000000	No
			Mg	0.000002	0.000000	No
			Al	0.000005	0.000000	No
			W	-0.000200	0.000000	No
			Mn	0.000004	0.000000	No
			Co	-0.001416	0.000000	No
			Ca	-0.000006	0.000000	No
			As	0.000088	0.000000	No
Fe 259.940 {130}	☒	12	Cr	0.000184	0.000000	No
			Mn	0.000783	0.000000	No
			V	-0.000064	0.000000	No
			Cu	-0.001048	0.000000	No
			Zn	0.000046	0.000000	No
			Ti	-0.000726	0.000000	No
			Ca	0.000002	0.000000	No
			Ba	0.000924	0.000000	No
			Al	0.000015	0.000000	No
			Co	0.000140	0.000000	No
			Ni	0.001410	0.000000	No
			Li	0.004940	0.000000	No
K 766.490 { 44}	☒	12	Al	0.000047	0.000000	No
			Ca	0.000044	0.000000	No
			Mn	0.001430	0.000000	No
			Si	-0.003000	0.000000	No
			V	-0.002000	0.000000	No
			Sn	-0.004700	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Ba	-0.002700	0.000000	No
			Mo	-0.007210	0.000000	No
			Cu	-0.010000	0.000000	No
			Ni	-0.010000	0.000000	No
			Fe	-0.001110	0.000000	No
			Mg	0.000019	0.000000	No
Li 670.784 { 50}	☒	5	Ca	0.000026	0.000000	No
			W	-0.000010	0.000000	No
			Mo	0.000260	0.000000	No
			V	0.000390	0.000000	No
			S	0.000064	0.000000	No
Mg 279.079 {121}	☒	2	Mo	-0.017699	0.000000	No
			Ti	-0.014200	0.000000	No
Mn 257.610 {131}	☒	9	Fe	0.000007	0.000000	No
			Si	0.000011	0.000000	No
			Ba	0.000012	0.000000	No
			Ni	0.000028	0.000000	No
			Mo	0.000000	0.000000	No
			Cr	-0.000110	0.000000	No
			Mg	0.000004	0.000000	No
			Al	-0.000002	0.000000	No
			Ca	0.000000	0.000000	No
Mo 202.030 {467}	☒	6	Fe	0.000002	0.000000	No
			Mg	0.000000	0.000000	No
			Ca	0.000012	0.000000	No
			As	0.000080	0.000000	No
			Co	0.000500	0.000000	No
			Al	0.000004	0.000000	No
Na 589.592 { 57}	☒	5	K	-0.000560	0.000000	No
			Ba	0.000900	0.000000	No
			Ca	0.000055	0.000000	No
			Al	0.000036	0.000000	No
			V	-0.005000	0.000000	No
Ni 231.604 {446}	☒	11	Fe	0.000035	0.000000	No
			Zn	-0.000021	0.000000	No
			Be	-0.000112	0.000000	No
			Co	0.000555	0.000000	No
			Tl	0.000209	0.000000	No
			Mo	-0.000020	0.000000	No
			V	-0.000032	0.000000	No
			Cu	0.000006	0.000000	No
			Se	0.000286	0.000000	No
			Sn	-0.000026	0.000000	No
			Ca	0.000005	0.000000	No
P 177.495 {490}	☒	3	Cu	-0.028475	0.000000	No
			Al	0.000041	0.000000	No
			W	0.000790	0.000000	No
Pb 220.353 {453}	☒	26	Al	-0.000051	0.000000	No
			Fe	0.000023	0.000000	No
			Ca	0.000015	0.000000	No
			Mn	0.000151	0.000000	No
			Zn	-0.000036	0.000000	No
			Mo	-0.000505	0.000000	No
			Cu	0.001209	0.000000	No
			V	-0.000103	0.000000	No
			Co	-0.000060	0.000000	No
			Ti	-0.000122	0.000000	No
			Si	0.000135	0.000000	No
			Ba	-0.000012	0.000000	No
			Sb	0.000080	0.000000	No
			Sr	0.000070	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				W	-0.001620	0.000000	No
				Cd	-0.000187	0.000000	No
				Cr	-0.000077	0.000000	No
				Zr	-0.000203	0.000000	No
				Ni	0.000156	0.000000	No
				S	0.000003	0.000000	No
				B	0.000000	0.000000	No
				Mg	0.000007	0.000000	No
				Ce	0.000335	0.000000	No
				As	0.000095	0.000000	No
				Sn	-0.000052	0.000000	No
				Bi	-0.000196	0.000000	No
	S 182.034 {485}	☒	10	Ca	-0.000032	0.000000	No
				Mo	0.000426	0.000000	No
				Al	0.000001	0.000000	No
				Fe	-0.000013	0.000000	No
				Mn	0.004790	0.000000	No
				Zn	0.000332	0.000000	No
				Cd	-0.000240	0.000000	No
				W	0.000000	0.000000	No
				Mg	0.000027	0.000000	No
				Cr	0.000454	0.000000	No
	Sb 206.833 {463}	☒	19	Fe	0.000042	0.000000	No
				Al	-0.000005	0.000000	No
				Ca	0.000027	0.000000	No
				Ni	-0.000221	0.000000	No
				Cr	0.030848	0.000000	No
				V	-0.001519	0.000000	No
				Zn	-0.000084	0.000000	No
				Mo	-0.000241	0.000000	No
				Ti	0.001126	0.000000	No
				Sn	-0.007926	0.000000	No
				Mg	0.000001	0.000000	No
				Zr	-0.000955	0.000000	No
				Sr	0.000020	0.000000	No
				W	0.001470	0.000000	No
				Ce	-0.000564	0.000000	No
				As	-0.000112	0.000000	No
				Na	-0.000004	0.000000	No
				Co	0.000000	0.000000	No
				Mn	-0.000132	0.000000	No
	Se 196.090 {472}	☒	25	Al	0.000004	0.000000	No
				Ca	0.000018	0.000000	No
				Mn	0.000470	0.000000	No
				Mo	0.000407	0.000000	No
				Fe	-0.000127	0.000000	No
				Co	-0.000067	0.000000	No
				V	-0.000124	0.000000	No
				Sr	0.000030	0.000000	No
				Si	-0.000025	0.000000	No
				Tl	0.000080	0.000000	No
				Be	-0.000067	0.000000	No
				Zn	-0.000038	0.000000	No
				B	-0.000240	0.000000	No
				Ti	-0.000100	0.000000	No
				Cd	-0.000160	0.000000	No
				Zr	-0.000152	0.000000	No
				Ba	0.000001	0.000000	No
				Mg	-0.000001	0.000000	No
				Cr	-0.000260	0.000000	No
				S	-0.000001	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			W	0.010240	0.000000	No
			Ce	0.000608	0.000000	No
			Ni	0.000005	0.000000	No
			As	0.000020	0.000000	No
			Sn	0.000187	0.000000	No
Si 212.412 {459}	☒	20	Sr	0.000366	0.000000	No
			Ni	-0.000692	0.000000	No
			Mo	0.033199	0.000000	No
			V	0.019440	0.000000	No
			Ti	0.005484	0.000000	No
			Al	-0.000008	0.000000	No
			Cd	0.001043	0.000000	No
			Ba	0.000170	0.000000	No
			Sn	-0.001018	0.000000	No
			Zn	0.000385	0.000000	No
			As	0.000140	0.000000	No
			Pb	0.000471	0.000000	No
			Ca	-0.000004	0.000000	No
			Ce	-0.000423	0.000000	No
			Cr	0.000520	0.000000	No
			Fe	0.000013	0.000000	No
			Mn	-0.000740	0.000000	No
			Co	-0.000420	0.000000	No
			Cu	0.001090	0.000000	No
			W	0.007190	0.000000	No
Sn 189.989 {478}	☒	9	Ti	-0.000061	0.000000	No
			Mo	0.000011	0.000000	No
			Si	-0.000009	0.000000	No
			Fe	0.000005	0.000000	No
			W	0.000000	0.000000	No
			Ca	-0.000002	0.000000	No
			Zr	0.001695	0.000000	No
			Al	0.000000	0.000000	No
			Mg	-0.000002	0.000000	No
Sr 407.771 { 83}	☒	2	Ca	0.000004	0.000000	No
			Mg	0.000002	0.000000	No
Ti 334.904 {101}	☒	3	Cr	0.000061	0.000000	No
			Mo	0.000882	0.000000	No
			Si	0.000035	0.000000	No
Tl 190.856 {477}	☒	28	Cr	0.000210	0.000000	No
			Mo	-0.009866	0.000000	No
			Al	0.000001	0.000000	No
			Fe	-0.000037	0.000000	No
			V	-0.019350	0.000000	No
			Mn	0.001660	0.000000	No
			Si	0.000002	0.000000	No
			Ca	0.000010	0.000000	No
			Ti	-0.001315	0.000000	No
			Mg	0.000001	0.000000	No
			Co	0.005140	0.000000	No
			Sr	-0.000060	0.000000	No
			B	0.000056	0.000000	No
			Ba	-0.000052	0.000000	No
			Zn	-0.000113	0.000000	No
			As	0.000000	0.000000	No
			Ni	-0.000030	0.000000	No
			Pb	0.000035	0.000000	No
			S	0.000006	0.000000	No
			W	-0.020270	0.000000	No
			K	0.000000	0.000000	No
			Sn	-0.000054	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Ag	0.000700	0.000000	No
			Cu	-0.000078	0.000000	No
			P	0.000156	0.000000	No
			Zr	0.000100	0.000000	No
			Ce	-0.000132	0.000000	No
			Na	0.000000	0.000000	No
V 292.402 {115}	☒	8	Ti	0.001326	0.000000	No
			Mo	-0.002120	0.000000	No
			Sr	0.000000	0.000000	No
			Cr	-0.000821	0.000000	No
			Mn	-0.000004	0.000000	No
			Fe	0.000021	0.000000	No
			Al	0.000000	0.000000	No
			Zr	0.000250	0.000000	No
W 207.911 {462}	☒	21	As	-0.000459	0.000000	No
			Mn	0.000290	0.000000	No
			Mo	0.000540	0.000000	No
			Sr	0.000050	0.000000	No
			V	-0.000140	0.000000	No
			Cd	-0.000650	0.000000	No
			Cr	-0.000103	0.000000	No
			Zn	0.012615	0.000000	No
			Sn	-0.000100	0.000000	No
			Zr	0.000003	0.000000	No
			Sb	-0.000200	0.000000	No
			Co	0.000041	0.000000	No
			Ni	0.001377	0.000000	No
			Be	-0.000130	0.000000	No
			Se	-0.000190	0.000000	No
			Cu	-0.000118	0.000000	No
			Ba	-0.000090	0.000000	No
			Tl	-0.000110	0.000000	No
			Ca	-0.000000	0.000000	No
			Fe	0.000032	0.000000	No
			Mg	-0.000010	0.000000	No
Zn 206.200 {464}	☒	17	Mo	0.000385	0.000000	No
			Fe	0.000013	0.000000	No
			Ba	0.000108	0.000000	No
			Sr	-0.000023	0.000000	No
			Sn	0.000069	0.000000	No
			Cu	0.000156	0.000000	No
			As	0.000108	0.000000	No
			Be	0.000071	0.000000	No
			Bi	-0.002000	0.000000	No
			Mn	0.000047	0.000000	No
			W	0.000830	0.000000	No
			Al	0.000000	0.000000	No
			Cr	-0.000179	0.000000	No
			Tl	0.000035	0.000000	No
			V	0.000000	0.000000	No
			Mg	0.000020	0.000000	No
			Ca	-0.000000	0.000000	No
Zr 339.198 { 99}	☒	12	Mo	0.000555	0.000000	No
			Fe	0.000012	0.000000	No
			Si	0.000000	0.000000	No
			Ti	-0.000084	0.000000	No
			V	0.000032	0.000000	No
			W	0.000740	0.000000	No
			Ni	-0.000030	0.000000	No
			Ce	0.000098	0.000000	No
			Sb	0.000080	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Sn	0.000105	0.000000	No
				As	-0.000179	0.000000	No
				Cu	0.000000	0.000000	No
	In 230.606 {446}*	☒	None				
	Y 360.073 { 94}*	☒	None				
	Y 371.030 { 91}*	☒	None				
	Y 224.306 {451}*	☒	None				

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
Ag 328.068 {103}	10/21/2025 8:58:26	10/20/2025 10:04:54	Linear	None	-0.000511	0.134653	0.000000	1.000000
Al 396.152 { 85}	10/21/2025 8:58:26	10/20/2025 10:04:54	Linear	None	0.001572	0.030836	0.000000	1.000000
As 189.042 {478}	10/21/2025 8:58:26	10/20/2025 10:04:54	Linear	None	0.000097	0.104071	0.000000	1.000000
B 208.959 {462}	10/21/2025 8:58:26	10/20/2025 10:04:54	Linear	None	0.001066	0.165986	0.000000	1.000000
Ba 455.403 { 74}	10/21/2025 8:58:26	10/20/2025 10:04:54	Linear	None	0.003984	1.473415	0.000000	1.000000
Be 313.042 {108}	10/21/2025 8:58:26	10/20/2025 10:04:54	Linear	None	0.002075	2.513615	0.000000	1.000000
Bi 223.061 {451}	10/21/2025 8:58:26	10/20/2025 10:04:54	Linear	None	0.000357	0.194901	0.000000	1.000000
Ca 317.933 {106}	10/21/2025 8:58:26	10/20/2025 10:04:54	Linear	None	0.010476	0.092955	0.000000	1.000000
Cd 228.802 {448}	10/21/2025 8:58:26	10/20/2025 10:04:54	Linear	None	0.000527	0.974186	0.000000	1.000000
Ce 404.076 { 83}	10/21/2025 8:58:26	10/20/2025 10:04:54	Linear	1/Conc	0.000016	0.025858	0.000000	1.000000
Co 228.616 {448}	10/21/2025 8:58:26	10/20/2025 10:04:54	Linear	None	-0.000119	0.581141	0.000000	1.000000
Cr 267.716 {126}	10/21/2025 8:58:26	10/20/2025 10:04:54	Linear	None	0.000003	0.142031	0.000000	1.000000
Cu 324.754 {104}2	10/21/2025 8:58:26	10/20/2025 10:04:54	Linear	None	0.002218	0.202912	0.000000	1.000000
Fe 259.940 {130}	10/21/2025 8:58:26	10/20/2025 10:04:54	Linear	None	0.000349	0.056851	0.000000	1.000000
K 766.490 { 44}	10/21/2025 8:58:26	10/20/2025 10:04:54	Linear	None	0.005748	0.013389	0.000000	1.000000
Li 670.784 { 50}	10/21/2025 8:58:26	10/20/2025 10:04:54	Linear	None	0.001837	0.212445	0.000000	1.000000
Mg 279.079 {121}	10/21/2025 8:58:26	10/20/2025 10:04:54	Linear	None	0.000104	0.010793	0.000000	1.000000
Mn 257.610 {131}	10/21/2025 8:58:26	10/20/2025 10:04:54	Linear	None	0.000266	0.750923	0.000000	1.000000
Mo 202.030 {467}	10/21/2025 8:58:26	10/20/2025 10:04:54	Linear	None	0.000387	0.700576	0.000000	1.000000
Na 589.592 { 57}	10/21/2025 8:58:26	10/20/2025 10:04:54	Linear	None	0.001145	0.043308	0.000000	1.000000
Ni 231.604 {446}	10/21/2025 8:58:26	10/20/2025 10:04:54	Linear	None	-0.000197	0.434417	0.000000	1.000000
P 177.495 {490}	10/21/2025 8:58:26	10/20/2025 10:04:54	Linear	None	-0.000174	0.102873	0.000000	1.000000
Pb 220.353 {453}	10/21/2025 8:58:26	10/20/2025 10:04:54	Linear	None	0.000007	0.202774	0.000000	1.000000
S 182.034 {485}	10/21/2025 8:58:26	10/20/2025 10:04:54	Linear	None	-0.000075	0.048078	0.000000	1.000000
Sb 206.833 {463}	10/21/2025 8:58:26	10/20/2025 10:04:54	Linear	None	-0.000130	0.134291	0.000000	1.000000
Se 196.090 {472}	10/21/2025 8:58:26	10/20/2025 10:04:54	Linear	None	0.000178	0.073353	0.000000	1.000000
Si 212.412 {459}	10/21/2025 8:58:26	10/20/2025 10:04:54	Linear	None	0.007504	0.178069	0.000000	1.000000
Sn 189.989 {478}	10/21/2025 8:58:26	10/20/2025 10:04:54	Linear	None	0.000154	0.169596	0.000000	1.000000
Sr 407.771 { 83}	10/21/2025 8:58:26	10/20/2025 10:04:54	Linear	None	0.001982	3.134276	0.000000	1.000000
Ti 334.904 {101}	10/21/2025 8:58:26	10/20/2025 10:04:54	Linear	None	0.000019	0.166694	0.000000	1.000000
Tl 190.856 {477}	10/21/2025 8:58:26	10/20/2025 10:04:54	Linear	None	-0.000042	0.046077	0.000000	1.000000
V 292.402 {115}	10/21/2025 8:58:26	10/20/2025 10:04:54	Linear	None	-0.000007	0.190046	0.000000	1.000000
W 207.911 {462}	10/21/2025 8:58:26	10/20/2025 10:04:54	Linear	None	0.001341	0.370292	0.000000	1.000000
Zn 206.200 {464}	10/21/2025 8:58:26	10/20/2025 10:04:54	Linear	None	0.001287	1.205116	0.000000	1.000000
Zr 339.198 { 99}	10/21/2025 8:58:26	10/20/2025 10:04:54	Linear	None	-0.000239	0.333414	0.000000	1.000000
In 230.606 {446}*	10/21/2025 8:58:26	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 360.073 { 94}*	10/21/2025 8:58:26	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}*	10/21/2025 8:58:26	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 224.306 {451}*	10/21/2025 8:58:26	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000

	Element, Wavelength and Order	Correlation	Std Error of Est	Predicted MDL	Predicted MQL	Status	Reslope		QC Norm	
							Slope	Y-int	Slope factor	Offset
	Ag 328.068 {103}	1.000000	0.000000	0.000402	0.001340	OK.	1.000000	0.000000	1	0
	Al 396.152 { 85}	1.000000	0.000000	0.010168	0.033892	OK.	1.000000	0.000000	1	0
	As 189.042 {478}	1.000000	0.000000	0.000941	0.003136	OK.	1.000000	0.000000	1	0
	B 208.959 {462}	1.000000	0.000000	0.000691	0.002302	OK.	1.000000	0.000000	1	0
	Ba 455.403 { 74}	1.000000	0.000000	0.000238	0.000793	OK.	1.000000	0.000000	1	0
	Be 313.042 {108}	1.000000	0.000000	0.000061	0.000202	OK.	1.000000	0.000000	1	0
	Bi 223.061 {451}	1.000000	0.000000	0.001356	0.004519	OK.	1.000000	0.000000	1	0
	Ca 317.933 {106}	1.000000	0.000000	0.002013	0.006710	OK.	1.000000	0.000000	1	0
	Cd 228.802 {448}	1.000000	0.000000	0.000169	0.000563	OK.	1.000000	0.000000	1	0
	Ce 404.076 { 83}	1.000000	0.000000	0.003287	0.010956	OK.	1.000000	0.000000	1	0
	Co 228.616 {448}	1.000000	0.000000	0.000222	0.000740	OK.	1.000000	0.000000	1	0
	Cr 267.716 {126}	1.000000	0.000000	0.000246	0.000820	OK.	1.000000	0.000000	1	0
	Cu 324.754 {104}2	1.000000	0.000000	0.000364	0.001212	OK.	1.000000	0.000000	1	0
	Fe 259.940 {130}	1.000000	0.000000	0.001697	0.005656	OK.	1.000000	0.000000	1	0
	K 766.490 { 44}	1.000000	0.000000	0.038323	0.127742	OK.	1.000000	0.000000	1	0
	Li 670.784 { 50}	1.000000	0.000000	0.002397	0.007989	OK.	1.000000	0.000000	1	0
	Mg 279.079 {121}	1.000000	0.000000	0.011590	0.038633	OK.	1.000000	0.000000	1	0
	Mn 257.610 {131}	1.000000	0.000000	0.000042	0.000138	OK.	1.000000	0.000000	1	0
	Mo 202.030 {467}	1.000000	0.000000	0.000215	0.000717	OK.	1.000000	0.000000	1	0
	Na 589.592 { 57}	1.000000	0.000000	0.011811	0.039369	OK.	1.000000	0.000000	1	0
	Ni 231.604 {446}	1.000000	0.000000	0.000260	0.000866	OK.	1.000000	0.000000	1	0
	P 177.495 {490}	1.000000	0.000000	0.000841	0.002803	OK.	1.000000	0.000000	1	0
	Pb 220.353 {453}	1.000000	0.000000	0.000815	0.002716	OK.	1.000000	0.000000	1	0
	S 182.034 {485}	1.000000	0.000000	0.002094	0.006980	OK.	1.000000	0.000000	1	0
	Sb 206.833 {463}	1.000000	0.000000	0.001341	0.004471	OK.	1.000000	0.000000	1	0
	Se 196.090 {472}	1.000000	0.000000	0.001824	0.006079	OK.	1.000000	0.000000	1	0
	Si 212.412 {459}	1.000000	0.000000	0.001019	0.003397	OK.	1.000000	0.000000	1	0
	Sn 189.989 {478}	1.000000	0.000000	0.000545	0.001818	OK.	1.000000	0.000000	1	0
	Sr 407.771 { 83}	1.000000	0.000000	0.000090	0.000301	OK.	1.000000	0.000000	1	0
	Ti 334.904 {101}	1.000000	0.000000	0.000289	0.000965	OK.	1.000000	0.000000	1	0
	Tl 190.856 {477}	1.000000	0.000000	0.001171	0.003904	OK.	1.000000	0.000000	1	0
	V 292.402 {115}	1.000000	0.000000	0.000240	0.000800	OK.	1.000000	0.000000	1	0
	W 207.911 {462}	1.000000	0.000000	0.000843	0.002811	OK.	1.000000	0.000000	1	0
	Zn 206.200 {464}	1.000000	0.000000	0.000107	0.000357	OK.	1.000000	0.000000	1	0
	Zr 339.198 { 99}	1.000000	0.000000	0.000174	0.000581	OK.	1.000000	0.000000	1	0
	In 230.606 {446}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
	Y 360.073 { 94}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
	Y 371.030 { 91}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
	Y 224.306 {451}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0

SGS North America Inc.

Aqueous Metals Digestion Form

Batch Information

Batch ID	Start Date	Start Time	End Date	End time	QC Samp 1	QC Samp 2
MP58034	10/17/2025	11:40	10/17/2025	14:40	JE21222-1	

Temperature

		Block ID1	Therm. ID#	Temperature	Correction	Corrected Temp
1	Start	MP-10	1053161	93	2	95
1	End	MP-10	1053161	93	2	95
2	Start					
2	End					

Methods and Equipment

	Dig. Method	Heating Method		Auto Pipette #	Digestion Tube Lot #	
	SW846 3010A	Digestion Block		M-118	LV25030103	

Sample ID	Bottle Number	pH<2 (Y/N)	Initial Sample Volume	Final Volume in ML	Reagent Groups Added	Spike Groups Added	Comments
MP58034-MB1	N/A	N	50	50	AB		
MP58034-B1	N/A	N	50	50	AB	ABCD	
MP58034-S1	7	Y	50	50	AB	ABCD	
MP58034-S2	7	Y	50	50	AB	ABCD	
MP58034-SD1	7	Y	50	50	AB		
JE20168-1	1	Y	50	50	AB		
JE20168-2	1	Y	50	50	AB		
JE20168-3	1	Y	50	50	AB		
JE20168-4	1	Y	50	50	AB		
JE20168-5	1	Y	50	50	AB		
JE20168-6	1	Y	50	50	AB		
JE20168-7	1	Y	50	50	AB		
JE20577-6	1	Y	50	50	AB		
JE20577-6F	3	Y	50	50	AB		
JE20944-2F	2	Y	50	50	AB		
JE21176-1	1	Y	50	50	AB		
JE21176-3	1	Y	50	50	AB		
JE21194-1	1	Y	50	50	AB		
JE21222-1	7	Y	50	50	AB		
JE21232-1	1	Y	50	50	AB		
JE21232-2	1	Y	50	50	AB		
JE21232-4	1	Y	50	50	AB		
JE21232-5	1	Y	50	50	AB		

Reagents Groups

Group	Description	MLs Used
A	CONC HNO3	3
B	1:1 HCL	5
C		
D		
E		
F		
G		
H		

Spike Groups

Group	Description	MLs Used
A	ACCUTEST 13A REV1	0.5
B	ACCUTEST 14A REV1	0.5
C	MINERALS 5000 PPM	0.25
D	AG 20 PPM	0.625
E		
F		
G		
H		
I		

Comments:

Analyst SENAK **Approved by** AUBREYC **Approved on** 10/17/2025

Note: Reagent traceability for batch Start Date can be seen on the reagent traceability page for this batch.
Serial Dilution samples shown for QC purposes only.
Acceptable Temperature range is 90-95 degrees C unless otherwise noted

Metals Digestion Reagents Information Log

Digestion Batch ID: MP58034 DATE:10/17/25

Matrix: ALL

Standard/Reagent Type	Exp. Date	Standard/Reagent ID
Spiking Solution- (ACCUTEST 13A REV1)	4/2/2026	MP-21-58-281
Spiking Solution- (ACCUTEST 14A REV1)	4/2/2026	MP-21-58-280
Spiking Solution - 5000 mg/l Minerals	11/13/2025	2322102-ILEE MFG: ENVI EXPRESS
Spiking Solution - Sulfur 1000ppm	4/17/2026	LOT: 0630226 MFG: ABS STANDARDS
Spiking Solution - Si 1000ppm	1/11/2026	LOT: MA-INTER-071125-3 MFG: INO. VENT.
Spiking Solution - Bi 1000ppm	11/5/2025	LOT: T2-BI725283 MFG: INO.VENT.
Spiking Solution - Se 20ppm	4/29/2026	MP-21-58-272
Spiking Solution - Li 1000ppm	2/28/2026	LOT: UN3264 MFG: RICCA
Spiking Solution- Ag 20 ppm	4/2/2026	MP-21-58-279
Spiking Solution - (ACCUTEST 13B REV1)	2/21/2026	MP-21-58-275
Spiking Solution - (ACCUTEST 14B REV1)	1/30/2026	MP-21-58-268
Spiking Solution - 1000ppm Minerals	1/30/2026	MP-21-58-269
Nitric Acid	12/30/2025	LOT:24007769 MFG: FISHER
Nitric Acid (1:1)	1/21/2026	MP-21-60-353 MFG: FISHER
Hydrochloric Acid	3/17/2029	LOT:24D1562005 MFG: J.T BAKER
Hydrochloric Acid (1:1)	1/21/2026	MP-21-60-354 1:1 HCL MFG: FISHER
Hydrogen Peroxide	7/30/2026	LOT: 233975 MFG: FISHER
Soil Lab Control/Soil LC	11/26/2025	LOT: 681022m MFG: ERA
Teflon Chips(For Soil MB and Blank Spike)	N/A	LOT: 27407287 MFG: SAINT-GOBAIN
Digestion Tubes 50mL	N/A	LOT: LV24010607 MFG: ENV. EXPRESS
Digestion Tubes 100mL	N/A	LOT: 2206050 MFG: ENV. EXPRESS
pH Paper	1/15/2028	LOT: 202325 MFG: HYDRION
Filter paper Q8	N/A	LOT: 17607330 MFG: FISHER

Spike witnessed By: SK

metals digestion reagents information log 2022.xls
1/17/18

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries
- Instrument Runlogs/QC

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Alkalinity, Total as CaCO3	GN74860	5.0	0.0	mg/l	250	241	96.4	90-110%
Alkalinity, Total as CaCO3	GN74860			mg/l	50	53.7	107.4	90-110%
Chloride	GP64981/GN75181	2.0	0.0	mg/l	80	82.6	103.3	90-110%
Fluoride	GP64981/GN75181	0.20	0.0	mg/l	2	2.20	110.0	90-110%
Nitrogen, Nitrate + Nitrite	GP65185/GN75642	0.10	0.0	mg/l	2	2.07	103.5	90-110%
Nitrogen, Nitrite	GN74766	0.010	0.0	mg/l	0.04	0.039	97.5	90-110%
Sulfate	GP64981/GN75181	2.0	0.0	mg/l	80	85.5	106.9	90-110%
Sulfide	GN74863			mg/l	10.8	10.8	100.0	80-120%
Sulfide	GN74863	2.0	0.0	mg/l	5.4	5.4	100.0	80-120%
Total Organic Carbon	GP64811/GN74989	1.0	0.0	mg/l	10	10.6	106.0	90-110%

Associated Samples:
Batch GN74766: JE21194-1
Batch GN74860: JE21194-1
Batch GN74863: JE21194-1
Batch GP64811: JE21194-1
Batch GP64981: JE21194-1
Batch GP65185: JE21194-1
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Alkalinity, Total as CaCO3	GN74860	JE21190-1	mg/l	181	181	0.0	0-10%
Nitrogen, Nitrate + Nitrite	GP65185/GN75642	JE21711-1	mg/l	0.0	0.0	0.0	0-20%
Sulfide	GN74863	JE21034-6	mg/l	0.0	0.0	0.0	0-12%

Associated Samples:
Batch GN74860: JE21194-1
Batch GN74863: JE21194-1
Batch GP65185: JE21194-1
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Fluoride	GP64981/GN75181	JE21662-1	mg/l	0.65	2	3.3	132.5N(a)	80-120%
Nitrogen, Nitrate + Nitrite	GP65185/GN75642	JE21711-1	mg/l	0.0	2	2.2	110.0	90-110%
Nitrogen, Nitrite	GN74766	JE21110-4	mg/l	0.0082	0.04	0.048	99.5	22-140%
Sulfate	GP64981/GN75181	JE21662-1	mg/l	10.3	80	93.7	104.3	80-120%
Sulfide	GN74863	JE21034-1	mg/l	0.50	5.4	5.9	100.0	37-135%
Total Organic Carbon	GP64811/GN74989	JE21106-1	mg/l	9.5	10	21.5	120.0N(a)	85-115%

Associated Samples:
Batch GN74766: JE21194-1
Batch GN74863: JE21194-1
Batch GP64811: JE21194-1
Batch GP64981: JE21194-1
Batch GP65185: JE21194-1
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Spike recovery indicates possible matrix interference.

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MSD Result	RPD	QC Limit
Fluoride	GP64981/GN75181	JE21662-1	mg/l	0.65	2	3.5	5.9	20%
Nitrogen, Nitrite	GN74766	JE21110-4	mg/l	0.0082	0.04	0.048	0.0	20%
Sulfate	GP64981/GN75181	JE21662-1	mg/l	10.3	80	95.9	2.3	20%
Total Organic Carbon	GP64811/GN74989	JE21106-1	mg/l	9.5	10	21.6	0.5	15%

Associated Samples:
Batch GN74766: JE21194-1
Batch GP64811: JE21194-1
Batch GP64981: JE21194-1
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: G251017W1.TXT Date Analyzed: 10/17/25 Methods: SM5310 B-11, SM5310 B-11/14
Analyst: MB Run ID: GN74989
Parameters: Total Organic Carbon

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:28	GN74989-STD1	1		STDA
14:39	GN74989-STD2	1		STDB
15:50	GN74989-STD3	1		STDC
16:48	GN74989-STD4	1		STDD
17:59	GN74989-STD5	1		STDE
19:11	GN74989-STD6	1		STDF
20:10	GN74989-STD7	1		STDG
21:10	GN74989-STD8	1		STDH
11:42	ZZZZZZ	1		
13:03	GN74989-CRI1	1		
14:45	GN74989-HSTD1	1		
15:10	GN74989-ICV1	1		
15:44	GN74989-ICB1	1		
16:08	GN74989-CCV1	1		
16:38	GN74989-CCB1	1		
17:03	ZZZZZZ	1		
17:28	GP64810-MB1	1		
19:00	GP64810-B1	1		
19:44	GP64810-B2	1		
20:04	JE21106-4	1		(sample used for QC only; not part of login JE21194)
20:27	GP64810-S1	1		
20:49	GP64810-MSD1	1		
21:10	ZZZZZZ	1		
21:31	ZZZZZZ	1		
21:55	ZZZZZZ	1		
22:15	GN74989-CCVA1	1		
22:42	GN74989-CCB2	1		
23:02	ZZZZZZ	1		
23:26	ZZZZZZ	1		
23:49	ZZZZZZ	1		
00:11	ZZZZZZ	1		
00:34	GP64811-MB1	1		
00:54	GP64811-B1	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: G251017W1.TXT Date Analyzed: 10/17/25 Methods: SM5310 B-11, SM5310 B-11/14
Analyst: MB Run ID: GN74989
Parameters: Total Organic Carbon

Time	Sample Description	Dilution Factor	PS Recov	Comments
01:22	JE21106-1	1		(sample used for QC only; not part of login JE21194)
01:43	GP64811-S1	1		
02:06	GP64811-MSD1	1		
02:27	JE21194-1	1		
02:49	GN74989-CCV2	1		
03:13	GN74989-CCB3	1		
03:38	ZZZZZZ	1		
03:59	ZZZZZZ	1		
04:24	ZZZZZZ	1		
04:47	ZZZZZZ	1		
05:11	ZZZZZZ	1		
05:35	ZZZZZZ	1		
05:58	GP64841-MB1	1		
06:19	GP64841-B1	1		
06:43	JE21034-1	1		(sample used for QC only; not part of login JE21194)
07:07	GP64841-S1	1		
07:29	GN74989-CCVA2	1		
07:54	GN74989-CCB4	1		
08:17	GP64841-MSD1	1		
08:39	ZZZZZZ	1		
09:08	ZZZZZZ	1		
09:37	ZZZZZZ	1		
10:01	ZZZZZZ	1		
10:24	ZZZZZZ	1		
10:46	GN74989-CCV3	1		
11:13	GN74989-CCB5	1		
11:34	ZZZZZZ	1		
11:01	GN74989-CCVA3	1		
11:25	GN74989-CCB6	1		
11:49	ZZZZZZ	20		
12:13	GN74989-CCV4	1		
12:37	GN74989-CCB7	1		
13:00	ZZZZZZ	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: G251017W1.TXT Date Analyzed: 10/17/25 Methods: SM5310 B-11, SM5310 B-11/14
Run ID: GN74989 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN74989-CRI1	Total Organic Carbon	1.02	1.0	0.72	1	102.0	70-130
GN74989-HSTD1	Total Organic Carbon	50.1	1.0	0.72	50	100.2	90-110
GN74989-ICV1	Total Organic Carbon	19.4	1.0	0.72	20	97.0	90-110
GN74989-ICB1	Total Organic Carbon	0.72 U	1.0	0.72			
GN74989-CCV1	Total Organic Carbon	25.8	1.0	0.72	25	103.2	90-110
GN74989-CCB1	Total Organic Carbon	0.72 U	1.0	0.72			
GN74989-CCVA1	Total Organic Carbon	53.5	1.0	0.72	50	107.0	
GN74989-CCB2	Total Organic Carbon	0.72 U	1.0	0.72			
GN74989-CCV2	Total Organic Carbon	27.3	1.0	0.72	25	109.2	90-110
GN74989-CCB3	Total Organic Carbon	0.72 U	1.0	0.72			
GN74989-CCVA2	Total Organic Carbon	53.5	1.0	0.72	50	107.0	
GN74989-CCB4	Total Organic Carbon	0.72 U	1.0	0.72			
GN74989-CCV3	Total Organic Carbon	27.2	1.0	0.72	25	108.8	90-110
GN74989-CCB5	Total Organic Carbon	0.72 U	1.0	0.72			
GN74989-CCVA3	Total Organic Carbon	50.8	1.0	0.72	50	101.6	
GN74989-CCB6	Total Organic Carbon	0.72 U	1.0	0.72			
GN74989-CCV4	Total Organic Carbon	26.8	1.0	0.72	25	107.2	90-110
GN74989-CCB7	Total Organic Carbon	0.72 U	1.0	0.72			

(!) Outside of QC limits

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: D25102301.TXT Date Analyzed: 10/13/25 Methods: EPA 300/SW846 9056A
Analyst: SS Run ID: GN75181
Parameters: Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:28	GN75181-STD1	1		STDA
10:28	GN75181-STD7	1		STDA
10:41	GN75181-STD2	1		STDC
10:41	GN75181-STD8	1		STDC
10:54	GN75181-STD3	1		STDD
10:54	GN75181-STD9	1		STDD
11:06	GN75181-STD4	1		STDE
11:06	GN75181-STD10	1		STDE
11:19	GN75181-STD5	1		STDF
11:19	GN75181-STD11	1		STDF
11:32	GN75181-STD6	1		STDG
11:32	GN75181-STD12	1		STDG
11:45	GN75181-ICV1	1		
11:45	GN75181-ICV2	1		
09:45	ZZZZZZ	1		
09:45	ZZZZZZ	1		
09:58	ZZZZZZ	1		
09:58	ZZZZZZ	1		
10:10	ZZZZZZ	1		
10:10	ZZZZZZ	1		
10:23	GN75181-CCV1	1		
10:23	GN75181-CCV10	1		
10:36	GN75181-CCB1	1		
10:36	GN75181-CCB10	1		
10:49	ZZZZZZ	7		
11:02	ZZZZZZ	4		
11:15	ZZZZZZ	3		
11:15	ZZZZZZ	3		
11:28	GP64953-S1	9		
11:41	GP64953-MSD1	9		
11:54	JE21582-2	9		(sample used for QC only; not part of login JE21194)
12:07	ZZZZZZ	4		
12:20	ZZZZZZ	2		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: D25102301.TXT Date Analyzed: 10/13/25 Methods: EPA 300/SW846 9056A
Analyst: SS Run ID: GN75181
Parameters: Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:33	ZZZZZZ	3		
12:46	ZZZZZZ	22		
12:58	GN75181-CCV2	1		
12:58	GN75181-CCV11	1		
13:11	GN75181-CCB2	1		
13:11	GN75181-CCB11	1		
13:24	ZZZZZZ	2		
13:37	ZZZZZZ	2		
13:50	ZZZZZZ	2		
14:03	GP64981-MB1	1		
14:16	GP64981-B1	1		
14:29	GP64981-S1	1		
14:42	GP64981-MSD1	1		
14:55	JE21662-1	1		(sample used for QC only; not part of login JE21194)
15:08	ZZZZZZ	1		
15:21	ZZZZZZ	1		
15:34	GN75181-CCV3	1		
15:47	GN75181-CCB3	1		
15:59	ZZZZZZ	1		
16:12	ZZZZZZ	1		
16:25	ZZZZZZ	1		
16:38	ZZZZZZ	1		
16:51	ZZZZZZ	5		
17:04	ZZZZZZ	5		
17:17	ZZZZZZ	1		
17:30	ZZZZZZ	1		
17:43	ZZZZZZ	1		
17:56	ZZZZZZ	1		
18:09	GN75181-CCV4	1		
18:22	GN75181-CCB4	1		
18:35	ZZZZZZ	1		
18:48	JE21194-1	1		
19:00	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: D25102301.TXT Date Analyzed: 10/13/25 Methods: EPA 300/SW846 9056A
Analyst: SS Run ID: GN75181
Parameters: Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
19:13	ZZZZZZ	1		
19:26	ZZZZZZ	1		
19:39	ZZZZZZ	1		
19:52	ZZZZZZ	1		
20:05	GP64982-MB1	1		
20:18	GP64982-B1	1		
22:28	GP64982-S1	1		
22:41	GN75181-CCV5	1		
22:54	GN75181-CCB5	1		
23:06	GP64982-MSD1	1		
23:19	JE21704-8	1		(sample used for QC only; not part of login JE21194)
23:32	ZZZZZZ	1		
23:45	ZZZZZZ	1		
23:58	ZZZZZZ	1		
00:11	ZZZZZZ	1		
00:24	ZZZZZZ	1		
00:37	ZZZZZZ	1		
00:50	ZZZZZZ	1		
01:03	ZZZZZZ	1		
01:16	GN75181-CCV6	1		
01:29	GN75181-CCB6	1		
01:42	ZZZZZZ	1		
01:55	ZZZZZZ	1		
02:07	ZZZZZZ	1		
02:20	ZZZZZZ	1		
02:33	ZZZZZZ	1		
02:46	ZZZZZZ	1		
02:59	ZZZZZZ	1		
03:12	ZZZZZZ	1		
03:25	ZZZZZZ	1		
03:38	ZZZZZZ	1		
03:51	GN75181-CCV7	1		
04:04	GN75181-CCB7	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: D25102301.TXT Date Analyzed: 10/13/25 Methods: EPA 300/SW846 9056A
Analyst: SS Run ID: GN75181
Parameters: Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
04:17	ZZZZZZ	1		
04:30	GP64983-MB1	1		
04:43	GP64983-B1	1		
04:55	GP64983-S1	1		
05:08	GP64983-MSD1	1		
05:21	JE21528-16	1		(sample used for QC only; not part of login JE21194)
05:34	ZZZZZZ	1		
05:47	ZZZZZZ	1		
06:00	ZZZZZZ	1		
06:13	ZZZZZZ	1		
06:26	GN75181-CCV8	1		
06:39	GN75181-CCB8	1		
06:52	ZZZZZZ	1		
07:05	ZZZZZZ	1		
07:18	ZZZZZZ	1		
07:31	ZZZZZZ	1		
07:44	GN75181-CCV9	1		
07:56	GN75181-CCB9	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: D25102301.TXT Date Analyzed: 10/13/25 Methods: EPA 300/SW846 9056A
Run ID: GN75181 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN75181-ICV1	Sulfate	98.5	2.0	0.89	100	98.5	90-110
GN75181-ICV2	Sulfate	98.5	2.0	0.89	100	98.5	90-110
GN75181-CCV1	Sulfate	205	2.0	0.89	200	102.5	90-110
GN75181-CCV10	Sulfate	205	2.0	0.89	200	102.5	90-110
GN75181-CCB1	Sulfate	1.47	2.0	0.89			
GN75181-CCB10	Sulfate	1.47	2.0	0.89			
GN75181-CCV2	Sulfate	204	2.0	0.89	200	102.0	90-110
GN75181-CCV11	Sulfate	204	2.0	0.89	200	102.0	90-110
GN75181-CCB2	Sulfate	0.89 U	2.0	0.89			
GN75181-CCB11	Sulfate	0.89 U	2.0	0.89			
GN75181-CCV3	Sulfate	215	2.0	0.89	200	107.5	90-110
GN75181-CCB3	Sulfate	1.04	2.0	0.89			
GN75181-CCV4	Sulfate	208	2.0	0.89	200	104.0	90-110
GN75181-CCB4	Sulfate	1.90	2.0	0.89			
GN75181-CCV5	Sulfate	205	2.0	0.89	200	102.5	90-110
GN75181-CCB5	Sulfate	0.89 U	2.0	0.89			
GN75181-CCV6	Sulfate	206	2.0	0.89	200	103.0	90-110
GN75181-CCB6	Sulfate	1.89	2.0	0.89			
GN75181-CCV7	Sulfate	204	2.0	0.89	200	102.0	90-110
GN75181-CCB7	Sulfate	0.89 U	2.0	0.89			
GN75181-CCV8	Sulfate	206	2.0	0.89	200	103.0	90-110
GN75181-CCB8	Sulfate	1.69	2.0	0.89			
GN75181-CCV9	Sulfate	204	2.0	0.89	200	102.0	90-110
GN75181-CCB9	Sulfate	0.89 U	2.0	0.89			

(!) Outside of QC limits

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: D110425W1.NO32 Date Analyzed: 11/03/25 Methods: EPA 353.2 M/LACHAT, EPA 353.2/LACHAT
Analyst: JD Run ID: GN75642
Parameters: Nitrogen, Nitrate + Nitrite

Time	Sample Description	Dilution Factor	PS Recov	Comments
18:43	GN75642-STD1	1		STDA
18:44	GN75642-STD2	1		STDB
18:45	GN75642-STD3	1		STDC
18:46	GN75642-STD4	1		STDD
18:47	GN75642-STD5	1		STDE
18:48	GN75642-STD6	1		STDF
18:49	GN75642-STD7	1		STDG
18:51	GN75642-STD8	1		STDH
18:53	GN75642-ICV1	1		
18:54	GN75642-ICB1	1		
18:55	ZZZZZZ	1		
18:56	GN75642-CCV1	1		
18:57	GN75642-CCB1	1		
18:58	GP65185-MB1	1		
19:00	GP65185-B1	1		
19:01	GP65185-S1	1		
19:02	GP65185-S2	1		
19:03	GP65185-D1	1		
19:04	ZZZZZZ	1		
19:05	ZZZZZZ	1		
19:06	ZZZZZZ	1		
19:07	ZZZZZZ	1		
19:09	ZZZZZZ	1		
19:10	GN75642-CCV2	1		
19:11	GN75642-CCB2	1		
19:12	ZZZZZZ	1		
19:13	ZZZZZZ	1		
19:14	ZZZZZZ	1		
19:15	ZZZZZZ	1		
19:16	ZZZZZZ	1		
19:18	ZZZZZZ	1		
19:19	ZZZZZZ	1		
19:20	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: D110425W1.NO32 Date Analyzed: 11/03/25 Methods: EPA 353.2 M/LACHAT, EPA 353.2/LACHAT
Analyst: JD Run ID: GN75642
Parameters: Nitrogen, Nitrate + Nitrite

Time	Sample Description	Dilution Factor	PS Recov	Comments
19:21	JE21194-1	1		
19:22	ZZZZZZ	1		
19:23	GN75642-CCV3	1		
19:24	GN75642-CCB3	1		
19:48	GN75642-CCV4	1		
19:50	GN75642-CCB4	1		
19:51	ZZZZZZ	1		
19:52	JE21711-1	1		(sample used for QC only; not part of login JE21194)
19:53	JE21711-2	1		(sample used for QC only; not part of login JE21194)
19:54	ZZZZZZ	1		
19:55	ZZZZZZ	1		
19:56	GP65186-MB1	1		
19:58	GP65186-S1	1		
20:00	GP65186-S2	1		
20:01	GP65186-D1	1		
20:02	GN75642-CCV5	1		
20:03	GN75642-CCB5	1		
20:04	GP65186-B1	1		
20:05	JE21711-5	1		(sample used for QC only; not part of login JE21194)
20:06	JE21711-6	1		(sample used for QC only; not part of login JE21194)
20:07	ZZZZZZ	1		
20:09	ZZZZZZ	1		
20:10	ZZZZZZ	1		
20:11	ZZZZZZ	1		
20:12	ZZZZZZ	1		
20:13	ZZZZZZ	1		
20:14	ZZZZZZ	1		
20:15	GN75642-CCV6	1		
20:16	GN75642-CCB6	1		
20:18	ZZZZZZ	1		
20:19	ZZZZZZ	1		
20:20	ZZZZZZ	1		
20:21	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: D110425W1.NO32 Date Analyzed: 11/03/25 Methods: EPA 353.2 M/LACHAT, EPA 353.2/LACHAT
Analyst: JD Run ID: GN75642
Parameters: Nitrogen, Nitrate + Nitrite

Time	Sample Description	Dilution Factor	PS Recov	Comments
20:22	ZZZZZZ	1		
20:23	ZZZZZZ	1		
20:24	ZZZZZZ	1		
20:25	ZZZZZZ	1		
20:27	ZZZZZZ	1		
20:28	ZZZZZZ	1		
20:29	GN75642-CCV7	1		
20:30	GN75642-CCB7	1		
20:31	ZZZZZZ	1		
20:32	GP65187-MB1	1		
20:33	GP65187-B1	1		
20:34	GP65187-S1	1		
20:36	GP65187-S2	1		
20:37	GP65187-D1	1		
20:38	JE21892-2	1		(sample used for QC only; not part of login JE21194)
20:39	JE21892-4	1		(sample used for QC only; not part of login JE21194)
20:40	ZZZZZZ	1		
20:41	ZZZZZZ	1		
20:42	GN75642-CCV8	1		
20:43	GN75642-CCB8	1		
20:45	ZZZZZZ	1		
20:46	ZZZZZZ	1		
20:47	ZZZZZZ	1		
20:48	ZZZZZZ	1		
20:49	ZZZZZZ	1		
20:50	ZZZZZZ	1		
20:51	ZZZZZZ	1		
20:52	ZZZZZZ	1		
20:54	ZZZZZZ	1		
20:55	ZZZZZZ	1		
20:56	GN75642-CCV9	1		
20:57	GN75642-CCB9	1		
16:46	GN75642-STD9	1		STDA

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: D110425W1.NO32 Date Analyzed: 11/03/25 Methods: EPA 353.2 M/LACHAT, EPA 353.2/LACHAT
Analyst: JD Run ID: GN75642
Parameters: Nitrogen, Nitrate + Nitrite

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:47	GN75642-STD10	1		STDB
16:48	GN75642-STD11	1		STDC
16:50	GN75642-STD12	1		STDD
16:51	GN75642-STD13	1		STDE
16:52	GN75642-STD14	1		STDF
16:53	GN75642-STD15	1		STDG
16:54	GN75642-STD16	1		STDH
16:56	GN75642-ICV2	1		
16:57	GN75642-ICB2	1		
16:59	ZZZZZZ	1		
17:00	GN75642-CCV10	1		
17:01	GN75642-CCB10	1		
17:02	ZZZZZZ	1		
17:03	GP65234-MB1	1		
17:04	GP65234-B1	1		
17:05	JE21816-1	1		(sample used for QC only; not part of login JE21194)
17:06	ZZZZZZ	1		
17:08	JE21816-3	1		(sample used for QC only; not part of login JE21194)
17:09	ZZZZZZ	1		
17:10	ZZZZZZ	1		
17:11	ZZZZZZ	1		
17:12	ZZZZZZ	1		
17:13	GN75642-CCV11	1		
17:14	GN75642-CCB11	1		
17:15	ZZZZZZ	1		
17:17	ZZZZZZ	1		
17:18	GP65235-MB1	1		
17:19	GP65235-B1	1		
17:20	LB21712-1	1		(sample used for QC only; not part of login JE21194)
17:21	JE21942-1	1		(sample used for QC only; not part of login JE21194)
17:22	ZZZZZZ	1		
17:23	ZZZZZZ	1		
17:24	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: D110425W1.NO32 Date Analyzed: 11/03/25 Methods: EPA 353.2 M/LACHAT, EPA 353.2/LACHAT
Analyst: JD Run ID: GN75642
Parameters: Nitrogen, Nitrate + Nitrite

Time	Sample Description	Dilution Factor	PS Recov	Comments
17:26	ZZZZZZ	1		
17:27	GN75642-CCV12	1		
17:28	GN75642-CCB12	1		
17:29	ZZZZZZ	1		
17:30	GP65236-MB1	1		
17:33	GP65236-D1	1		
17:35	JE21898-1	1		(sample used for QC only; not part of login JE21194)
17:36	ZZZZZZ	1		
17:37	ZZZZZZ	1		
17:38	GP65236-B1	1		
17:39	ZZZZZZ	1		
17:40	GN75642-CCV13	1		
17:41	GN75642-CCB13	1		
17:42	ZZZZZZ	1		
17:44	ZZZZZZ	1		
17:45	ZZZZZZ	1		
17:46	ZZZZZZ	1		
17:47	ZZZZZZ	1		
17:48	ZZZZZZ	1		
17:49	ZZZZZZ	1		
17:50	GP65236-S1	1		
17:51	ZZZZZZ	20		
17:53	ZZZZZZ	20		
17:54	GN75642-CCV14	1		
17:55	GN75642-CCB14	1		
17:56	ZZZZZZ	20		
17:57	ZZZZZZ	20		
17:58	ZZZZZZ	20		
17:59	ZZZZZZ	20		
18:00	ZZZZZZ	20		
18:02	ZZZZZZ	20		
18:03	ZZZZZZ	20		
18:04	ZZZZZZ	20		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: D110425W1.NO32 Date Analyzed: 11/03/25 Methods: EPA 353.2 M/LACHAT, EPA 353.2/LACHAT
Analyst: JD Run ID: GN75642
Parameters: Nitrogen, Nitrate + Nitrite

Time	Sample Description	Dilution Factor	PS Recov	Comments
18:05	ZZZZZZ	20		
18:06	ZZZZZZ	20		
18:07	GN75642-CCV15	1		
18:08	GN75642-CCB15	1		
18:09	ZZZZZZ	20		
18:11	ZZZZZZ	20		
18:12	ZZZZZZ	20		
18:13	ZZZZZZ	20		
18:14	ZZZZZZ	20		
18:15	ZZZZZZ	20		
18:16	GP65234-S1	1		
18:17	GP65234-S2	1		
18:18	GP65234-D1	1		
18:20	GP65235-S1	1		
18:21	GN75642-CCV16	1		
18:22	GN75642-CCB16	1		
18:23	GP65235-S2	1		
18:24	GP65235-D1	1		
18:25	ZZZZZZ	1		
18:26	ZZZZZZ	3		
18:27	ZZZZZZ	30		
18:29	ZZZZZZ	6		
18:30	ZZZZZZ	6		
18:31	ZZZZZZ	3		
18:32	ZZZZZZ	3		
18:33	ZZZZZZ	3		
18:34	GN75642-CCV17	1		
18:35	GN75642-CCB17	1		
18:36	ZZZZZZ	3		
18:38	ZZZZZZ	20		
18:40	GN75642-CCV18	1		
18:42	GN75642-CCB18	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: D110425W1.NO32 Date Analyzed: 11/03/25 Methods: EPA 353.2 M/LACHAT, EPA 353.2/LACHAT
Run ID: GN75642 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN75642-ICV1	Nitrogen, Nitrate + Nitrite	2.07	0.10	0.090	2	103.5	90-110
GN75642-ICB1	Nitrogen, Nitrate + Nitrite	0.090 U	0.10	0.090			
GN75642-CCV1	Nitrogen, Nitrate + Nitrite	2.49	0.10	0.090	2.5	99.6	90-110
GN75642-CCB1	Nitrogen, Nitrate + Nitrite	0.090 U	0.10	0.090			
GN75642-CCV2	Nitrogen, Nitrate + Nitrite	2.49	0.10	0.090	2.5	99.6	90-110
GN75642-CCB2	Nitrogen, Nitrate + Nitrite	0.090 U	0.10	0.090			
GN75642-CCV3	Nitrogen, Nitrate + Nitrite	2.46	0.10	0.090	2.5	98.4	90-110
GN75642-CCB3	Nitrogen, Nitrate + Nitrite	0.090 U	0.10	0.090			
GN75642-CCV4	Nitrogen, Nitrate + Nitrite	2.39	0.10	0.090	2.5	95.6	90-110
GN75642-CCB4	Nitrogen, Nitrate + Nitrite	0.090 U	0.10	0.090			
GN75642-CCV5	Nitrogen, Nitrate + Nitrite	2.32	0.10	0.090	2.5	92.8	90-110
GN75642-CCB5	Nitrogen, Nitrate + Nitrite	0.090 U	0.10	0.090			
GN75642-CCV6	Nitrogen, Nitrate + Nitrite	2.38	0.10	0.090	2.5	95.2	90-110
GN75642-CCB6	Nitrogen, Nitrate + Nitrite	0.090 U	0.10	0.090			
GN75642-CCV7	Nitrogen, Nitrate + Nitrite	2.67	0.10	0.090	2.5	106.8	90-110
GN75642-CCB7	Nitrogen, Nitrate + Nitrite	0.090 U	0.10	0.090			
GN75642-CCV8	Nitrogen, Nitrate + Nitrite	2.68	0.10	0.090	2.5	107.2	90-110
GN75642-CCB8	Nitrogen, Nitrate + Nitrite	0.090 U	0.10	0.090			
GN75642-CCV9	Nitrogen, Nitrate + Nitrite	2.62	0.10	0.090	2.5	104.8	90-110
GN75642-CCB9	Nitrogen, Nitrate + Nitrite	0.090 U	0.10	0.090			
GN75642-ICV2	Nitrogen, Nitrate + Nitrite	2.02	0.10	0.090	2	101.0	90-110
GN75642-ICB2	Nitrogen, Nitrate + Nitrite	0.090 U	0.10	0.090			
GN75642-CCV10	Nitrogen, Nitrate + Nitrite	2.75	0.10	0.090	2.5	110.0	90-110
GN75642-CCB10	Nitrogen, Nitrate + Nitrite	0.090 U	0.10	0.090			
GN75642-CCV11	Nitrogen, Nitrate + Nitrite	2.72	0.10	0.090	2.5	108.8	90-110
GN75642-CCB11	Nitrogen, Nitrate + Nitrite	0.090 U	0.10	0.090			
GN75642-CCV12	Nitrogen, Nitrate + Nitrite	2.75	0.10	0.090	2.5	110.0	90-110
GN75642-CCB12	Nitrogen, Nitrate + Nitrite	0.090 U	0.10	0.090			
GN75642-CCV13	Nitrogen, Nitrate + Nitrite	2.75	0.10	0.090	2.5	110.0	90-110
GN75642-CCB13	Nitrogen, Nitrate + Nitrite	0.090 U	0.10	0.090			
GN75642-CCV14	Nitrogen, Nitrate + Nitrite	2.73	0.10	0.090	2.5	109.2	90-110
GN75642-CCB14	Nitrogen, Nitrate + Nitrite	0.090 U	0.10	0.090			
GN75642-CCV15	Nitrogen, Nitrate + Nitrite	2.75	0.10	0.090	2.5	110.0	90-110
GN75642-CCB15	Nitrogen, Nitrate + Nitrite	0.090 U	0.10	0.090			

Instrument QC Summary
Inorganics Analyses

Login Number: JE21194
Account: BBLNYS - Arcadis
Project: Saratoga Springs, NY

File ID: D110425W1.NO32 Date Analyzed: 11/03/25 Methods: EPA 353.2 M/LACHAT, EPA 353.2/LACHAT
Run ID: GN75642 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN75642-CCV16	Nitrogen, Nitrate + Nitrite	2.74	0.10	0.090	2.5	109.6	90-110
GN75642-CCB16	Nitrogen, Nitrate + Nitrite	0.090 U	0.10	0.090			
GN75642-CCV17	Nitrogen, Nitrate + Nitrite	2.75	0.10	0.090	2.5	110.0	90-110
GN75642-CCB17	Nitrogen, Nitrate + Nitrite	0.090 U	0.10	0.090			
GN75642-CCV18	Nitrogen, Nitrate + Nitrite	2.73	0.10	0.090	2.5	109.2	90-110
GN75642-CCB18	Nitrogen, Nitrate + Nitrite	0.090 U	0.10	0.090			

(!) Outside of QC limits

General Chemistry

Raw Data

Test: Nitrogen, Nitrite
Product: NO2
Method: SM4500NO2 B-11 (Aqueous) ◉ Units: mg/l
SM4500NO2 B-11 M (Solids) ○ mg/kg

Analyst: GRACETA
GN Batch ID: GN74766
GP Batch ID: NA
Date: 10/15/2025
Instrument ID: Pipet II GLASS PIPETTE CLASS A

Original Calibration Information Calibration Date: 8/8/2025

	Blank	Std 1	Std 2	Std 3	Std 4	Std 5	Std 6	Std 7
Known:	0.000	0.010	0.025	0.050	0.075	0.100	0.200	
Absorbance:	0.000	0.036	0.086	0.171	0.255	0.349	0.675	
Actual Value:	#DIV/0!	0.010	0.025	0.050	0.075	0.103	0.199	
% RE:	#DIV/0!	0.36	1.02	0.25	0.39	-2.50	0.56	

Continuing Calibration Check Standards Data: 10/15/2025

	Blank	Std 1	Std 6
Known:	0.000	0.010	0.200
Absorbance:	0.000	0.032	0.640
Recovery:	0.0%	87.8%	94.3%
Actual Value:	0.000	0.009	0.189

Correlation Coeff. = 0.99986
Slope = 0.29565
Intercept = -0.00068

Bottle #	Sample ID	Time Analyzed	Initial Wt (g) or Vol (ml)	Final Vol (ml)	Dilution	Sample	Background Abs.	Result From Curve (mg/L)	Final Result	DL	Units	Factor	pH between 5 and 9 (Y or N)
	ICV	7:00	50	50	1	0.321	NA	0.094	0.094	NA	mg/l	NA	
	CCV	7:01	50	50	1	0.323	NA	0.095	0.095	NA	mg/l	NA	
	CCB	7:02	50	50	1	0.001	NA	0.000	0.000	NA	mg/l	NA	
	GN74766-MB1	7:15	50	50	1	0.001	0.000	0.000	0.000	0.010	mg/l	1	
	GN74766-B1	7:15	50	50	1	0.130	0.000	0.038	0.038	0.010	mg/l	1	
	GN74766-S1	7:15	50	50	1	0.163	0.000	0.048	0.048	0.010	mg/l	1	
	GN74766-MSD1	7:15	50	50	1	0.163	0.000	0.048	0.048	0.010	mg/l	1	
19	JE21110-4	7:15	50	50	1	0.030	0.000	0.008	0.008	0.010	mg/l	1	Y
17	JE21113-1	7:15	50	50	1	0.001	0.000	0.000	0.000	0.010	mg/l	1	Y
6	JE21123-1	7:15	50	50	1	0.059	0.023	0.010	0.010	0.010	mg/l	1	Y
6	JE21124-1	7:15	50	50	1	0.001	0.000	0.000	0.000	0.010	mg/l	1	Y
		7:15	50	50	1								
		7:15	50	50	1								
	CCVA	7:15	50	50	1	0.642	NA	0.189	0.189	NA	mg/l	NA	
	CCB	7:16	50	50	1	0.001	NA	0.000	0.000	NA	mg/l	NA	
7	JE21153-1	15:40	50	50	1	0.001	0.000	0.000	0.000	0.010	mg/l	1	Y
7	JE21153-2	15:40	50	50	1	0.005	0.000	0.001	0.001	0.010	mg/l	1	Y
7	JE21153-3	15:40	50	50	1	0.046	0.000	0.013	0.013	0.010	mg/l	1	Y
7	JE21153-4	15:40	50	50	1	0.002	0.000	0.000	0.000	0.010	mg/l	1	Y
7	JE21153-5	15:40	50	50	1	0.003	0.000	0.000	0.000	0.010	mg/l	1	Y
7	JE21153-6	15:40	50	50	1	0.001	0.000	0.000	0.000	0.010	mg/l	1	Y
3	JE20168-1	15:40	50	50	1	0.001	0.000	0.000	0.000	0.010	mg/l	1	Y
3	JE20168-2	15:40	50	50	1	0.001	0.000	0.000	0.000	0.010	mg/l	1	Y
3	JE20168-3	15:40	50	50	1	0.001	0.000	0.000	0.000	0.010	mg/l	1	Y
3	JE20168-4	15:40	50	50	1	0.001	0.000	0.000	0.000	0.010	mg/l	1	Y
	CCV	15:40	50	50	1	0.328	NA	0.096	0.096	NA	mg/l	NA	
	CCB	15:41	50	50	1	0.001	NA	0.000	0.000	NA	mg/l	NA	
3	JE20168-5	18:19	50	50	1	0.001	0.000	0.000	0.000	0.010	mg/l	1	Y
3	JE20168-6	18:19	50	50	1	0.052	0.000	0.015	0.015	0.010	mg/l	1	Y
3	JE20168-7	18:19	50	50	1	0.001	0.000	0.000	0.000	0.010	mg/l	1	Y
	GN74766-MB2	18:19	50	50	1	0.001	0.000	0.000	0.000	0.010	mg/l	1	Y
	GN74766-B2	18:19	50	50	1	0.135	0.000	0.039	0.039	0.010	mg/l	1	Y
	GN74766-S2	18:19	50	50	1	0.137	0.000	0.040	0.040	0.010	mg/l	1	Y
	GN74766-MSD2	18:19	50	50	1	0.137	0.000	0.040	0.040	0.010	mg/l	1	Y
5	JE21190-1	18:19	50	50	1	0.001	0.000	0.000	0.000	0.010	mg/l	1	Y
5	JE21190-2	18:19	50	50	5	0.233	0.000	0.068	0.341	0.050	mg/l	1	Y
5	JE21190-3	18:19	50	50	5	0.400	0.000	0.118	0.588	0.050	mg/l	1	Y
	CCVA	18:19	50	50	1	0.645	NA	0.190	0.190	NA	mg/l	NA	
	CCB	18:20	50	50	1	0.001	NA	0.000	0.000	NA	mg/l	NA	

Analyst: GT Date: 10/15/25 QC Reviewer: _____ Date: _____

15.1 15

Test: Nitrogen, Nitrite
Product: NO2
Method: SM4500NO2 B-11 (Aqueous) ◉ Units: mg/l
SM4500NO2 B-11 M (Solids) ○ mg/kg

Analyst: GRACETA
GN Batch ID: GN74766
GP Batch ID: NA
Date: 10/15/2025
Instrument ID: Pipet II GLASS PIPETTE CLASS A

5	JE21190-4	18:32	50	50	1	0.001	0.000	0.000	0.000	0.010	mg/l	1	Y
5	JE21190-5	18:32	50	50	1	0.610	0.000	0.180	0.180	0.010	mg/l	1	Y
5	JE21190-6	18:32	50	50	5	0.322	0.000	0.095	0.473	0.050	mg/l	1	Y
5	JE21190-7	18:32	50	50	5	0.219	0.000	0.064	0.320	0.050	mg/l	1	Y
5	JE21190-8	18:32	50	50	5	0.255	0.000	0.075	0.374	0.050	mg/l	1	Y
7	JE21194-1	18:32	50	50	1	0.001	0.000	0.000	0.000	0.010	mg/l	1	Y
		18:32	50	50	1								
		18:32	50	50	1								
		18:32	50	50	1								
		18:32	50	50	1								
	CCV	18:32	50	50	1	0.330	NA	0.097	0.097	NA	mg/l	NA	
	CCB	18:33	50	50	1	0.001	NA	0.000	0.000	NA	mg/l	NA	
			50	50	1								
			50	50	1								
			50	50	1								
			50	50	1								
			50	50	1								
			50	50	1								
			50	50	1								
			50	50	1								
			50	50	1								
			50	50	1								
	CCVA		50	50	1		NA			NA		NA	
	CCB		50	50	1		NA			NA		NA	
			50	50	1								
			50	50	1								
			50	50	1								
			50	50	1								
			50	50	1								
			50	50	1								
			50	50	1								
			50	50	1								
			50	50	1								
			50	50	1								
	CCV		50	50	1		NA			NA		NA	
	CCB		50	50	1		NA			NA		NA	

Analyst: GT Date: 10/16/25 QC Reviewer: _____ Date: _____

SGS

Test: **Nitrogen, Nitrite**
Product: **NO2**
Method: **SM18 4500 NO2B (aqueous)**
SM18 4500 NO2B M (solids)

Units (mg/l) mg/kg

Analyst: GRACETA
GNBatch ID: GN74766
GPBatch ID: NA
Date: 10/16/2025

Preparation Batch QC Summary Units = mg/l

Method Blank ID: MB1 Date: 10/15/25 Result: 0.00 DL: 0.01 <DL: Y
Spike Blank ID: B1 Date: 10/16/25 Result: 0.038 Spike: 0.04 %Rec.: 95%
MS ID: S1 Samp. Result: 0.008 MS Result: 0.048 Spike: 0.04 %Rec: 100%
MSDUP ID: MSD1 Samp. Result: 0.008 MSDUP Result: 0.048 Spike: 0.04 %Rec: 100%
MSDUP ID: MSD1 MSDUP Result: 0.048 MS Result: 0.048 %RPD: 0.0%

Method Blank ID: MB2 Date: 10/16/25 Result: 0.00 <DL: Y 0.01
Spike Blank ID: B2 Date: 10/15/25 Result: 0.039 Spike: 0.04 %Rec.: 97.5%
MS ID: S2 Samp. Result: 0.00 MS Result: 0.040 Spike: 0.04 %Rec: 100%
MSDUP ID: MSD2 Samp. Result: 0.00 MSDUP Result: 0.040 Spike: 0.04 %Rec: 100%
MSDUP ID: MSDUP Result: 0.040 MS Result: 0.040 %RPD: 0.0%

Analysis Batch QC Summary Units = mg/l

ICV (Ext): 10/15/25 7:00	Result: 0.094	TV: 0.1	%Rec: 94%	
CCV: 10/15/25 7:01	Result: 0.095	TV: 0.1	%Rec.: 96%	
CCVA: 10/15/25 7:15	Result: 0.189	TV: 0.2	%Rec.: 94.5%	
CCV: 10/15/25 15:40	Result: 0.096	TV: 0.1	%Rec.: 96%	
CCVA: 10/15/25 15:19	Result: 0.190	TV: 0.2	%Rec.: 95%	
CCV: 10/15/25 15:32	Result: 0.097	TV: 0.1	%Rec.: 97%	
CCVA:	Result:	TV: 0.2	%Rec.:	

CCB: 10/15/25 7:02	Result: 0.00	DL: 0.01	<DL: Y
CCB: 10/15/25 7:16	Result: 0.00	DL: 0.01	<DL: Y
CCB: 10/15/25 15:41	Result: 0.00	DL: 0.01	<DL: Y
CCB 10/15/25 15:20	Result: 0.00	DL: 0.01	<DL: Y
CCB: 10/15/25 15:33	Result: 0.00	DL: 0.01	<DL: Y
CCB:	Result:	DL:	<DL:

Reagent Reference Numbers:

QC------BS/MS/MSD------2 ML OF 1 PPM NO2 STD -- 50 ML DI/H2O/SAMPLE ---- TV 0.04 MG/L (standard)
MS/MSD SAMPLE NO --- QC1 = JE21110-4
QC2 = JE21190-1

* SIGN SAMPLE FILTERED IN LAB

Analyst: GRACETA Date: 10/16/25

Comments:

Form: GN032-01
Rev. Date:9/4/09]

SGS

Analyst: Graceta Product: NO2

Date: 10/15/25 Batch ID: GN74766

Auto-pipette ID: 07

Sample Dilution Prep Log

Sample ID	Dilution	Initial Volume	Final Volume		Comments
JE21190-2	1:5	10mL	50 mL		
-3	1:5	10mL	50 mL		
-6	1:5	10 mL	50 mL		
-7	1:5	10 mL	50 mL		
-8	1:5	10mL	50 mL		

Form: GN165-04

Rev Date: 3/28/17 Reviewer:_____ Date:_____

15.1 15

SGS

GENERAL CHEMISTRY STANDARD PREPARATION LOG

Product: NO2

GN or GP Number: GN74766

Standard	Manufacturer/Lot Number	Concentration	Expiration Date
1000 mg/l Nitrite Standard	ERA LOT# 750524M (std)	1000 PPM	5/22/2026
1000 mg/l Nitrite Standard (ICV)	ERA LOT# 115123 M(ext)	1000 PPM	11/13/2025

Standard Description	Lot or Tracking #	Initial Volume	Standard Used	Autopipet ID	Diluent	Final Volume	Final Concentration	Expiration Date	Analyst	Date
10 PPM NO2 STANDARD	GNE10-79813-NO2(STD)	1.0 ml	1000 mg/l Nitrite Standard	A	DI water	100 ml	10 mg/l	10/15/2025	GT	10/15/2025
1 PPM NO2 STANDARD	GNE10-79814-NO2(STD)	10.0 ml	10 PPM NO2 STANDARD	A	DI water	100 ml	1 mg/L	10/15/2025	GT	10/15/2025
10 PPM NO2 EXTERNAL	GNE10-79815-NO2(EXT)	1.0 ml	Nitrite Standard (ICV)	A	DI water	100 ml	10 mg/l	10/15/2025	GT	10/15/2025
1 PPM NO2 EXTERNAL	GNE10-79816-NO2(EXT)	10.0 ml	10 PPM NO2 EXTERNAL	A	DI water	100 ml	1 mg/l	10/15/2025	GT	10/15/2025
Standard Description	GNE12-73399-NO2	Initial Volume	Concentration of Standard Used	Autopipet ID	Diluent	Final Volume	Final Concentration	Expiration Date	Analyst	Date
0.2 mg/L (high)	GNE10-79814-NO2(STD)	20.0 ml	1.0 mg/L	A	DI water	100 ml	0.2 mg/L	10/15/2025	GT	10/15/2025
0.1 mg/L	GNE10-79814-NO2(STD)	10.0 ml	1.0 mg/L	A	DI water	100 ml	0.1 mg/L	10/15/2025	GT	10/15/2025
0.075 mg/L	GNE10-79814-NO2(STD)	7.5 ml	1.0 mg/L	A	DI water	100 ml	0.075 mg/L			
0.05 mg/L	GNE10-79814-NO2(STD)	5.0 ml	1.0 mg/L	A	DI water	100 ml	0.05 mg/L			
0.025 mg/L	GNE10-79814-NO2(STD)	2.5 ml	1.0 mg/L	A	DI water	100 ml	0.025 mg/L			
0.01 mg/L (low)	GNE10-79814-NO2(STD)	1.0 ml	1.0 mg/L	A	DI water	100 ml	0.01 mg/L			
0 mg/L	NA	NA	NA	NA	NA	100 ml	NA	10/15/2025	GT	10/15/2025
CCV	GNE10-79814-NO2(STD)	10.0 ml	1.0 mg/L	A	DI water	100 ml	0.1 mg/L	10/15/2025	GT	10/15/2025
CCVA	GNE10-79814-NO2(STD)	20.0 ml	1.0 mg/L	A	DI water	100 ml	0.2 mg/L	10/15/2025	GT	10/15/2025
ICV	GNE10-79816-NO2(EXT)	10.0 ml	1.0 mg/L	A	DI water	100 ml	0.1 mg/L	10/15/2025	GT	10/15/2025

* If Class A glass pipets are used, enter an A. For balances or autopipets, then enter the appropriate Accutest ID number. A

Form: GN121-01
Rev. Date: 1/13/09

Reagent Information Log - Nitrite as Nitrogen

Reagent	Reagent # or Manufacturer/Lot
Calibration Source: 1000 mg/l nitrite stock (STD)	ERA LOT # 750524 M XP 22-MAY-2026
External Check (ICV)	ERA LOT #115123 M XP: 11/13/2025
Spiking Solution Source STD	ERA LOT # 750524 M XP 22-MAY-2026
NO2 Color Reagent	GNE10-79688-NO2 XP: 11/2/2025
1 N NH4OH	GNE7-75486-NO2 XP 1/23/2026
1 N HCL	GNE7-75490-NO2 XP 1/23/2026

All standards and stocks were made as described in the SOP for this method (circle one): (Y) or N
If no (N), see attached page for standards prep.

Form: GN087A-42
Rev. Date:10/2/2025

15.1
15

MANTECH

Date: 2025-10-17 11:37:03
Analyst: GT wetchem

Sample Report

GN74860.alk

Run Template: Alkalinity
Run ID: 2122
Date Started: 2025-10-17 10:06:11
Date Completed: 2025-10-17 11:37:02 MANTECH2

B_1 = 1 mL 5000 ppm to 100 mL DI H_2O
B_2 = 5mL 5000 ppm to 100 mL DI H_2O

Sample Data

Sample	Script ID	Start	End	pH	TAlkalinity	PAlkalinity	Hydroxide	Carbonate	Bicarbonate	Temp.
CKBUF4	pH	2025-10-17 10:06:11	2025-10-17 10:08:16	3.9976						22.2274
CKBUF7	pH	2025-10-17 10:08:16	2025-10-17 10:09:50	7.0274						22.0416
CKBUF1	pH	2025-10-17 10:09:50	2025-10-17 10:11:26	10.0019						21.9444
GN74860-MB1	Alkalinity	2025-10-17 10:11:26	2025-10-17 10:13:27	4.0472	0.0000	0	0	0	0.0000	21.9281
GN74860-B1	Alkalinity	2025-10-17 10:13:28	2025-10-17 10:17:39	6.4008	53.6962	0	0	0	53.6962	22.0308
GN74860-B2	Alkalinity	2025-10-17 10:17:39	2025-10-17 10:22:25	7.0390	241.1618	0	0	0	241.1618	22.2308
GN74860-D1	Alkalinity	2025-10-17 10:22:25	2025-10-17 10:28:24	8.0245	181.3264	0	0	0	181.3264	22.3557
JE21190-1	Alkalinity	2025-10-17 10:28:24	2025-10-17 10:33:52	8.0751	180.7470	0	0	0	180.7470	22.5103
JE21190-2	Alkalinity	2025-10-17 10:33:52	2025-10-17 10:40:44	7.8609	387.0271	0	0	0	387.0271	22.5731
JE21190-3	Alkalinity	2025-10-17 10:40:44	2025-10-17 10:47:01	8.0640	338.2767	0	0	0	338.2767	22.7338
JE21190-4	Alkalinity	2025-10-17 10:47:01	2025-10-17 10:52:34	6.9672	187.8029	0	0	0	187.8029	22.8263
JE21190-5	Alkalinity	2025-10-17 10:52:34	2025-10-17 10:58:14	8.0017	253.3029	0	0	0	253.3029	22.9303
JE21190-6	Alkalinity	2025-10-17 10:58:14	2025-10-17 11:03:29	8.1567	187.8740	0	0	0	187.8740	23.0228
CKBUF4.	pH	2025-10-17 11:03:29	2025-10-17 11:05:03	4.0175						23.0558
JE21190-7	Alkalinity	2025-10-17 11:05:03	2025-10-17 11:14:29	7.6589	466.0963	0	0	0	466.0963	22.7967
JE21190-8	Alkalinity	2025-10-17 11:14:29	2025-10-17 11:21:59	7.2537	389.6889	0	0	0	389.6889	23.3819

GN74860
QC Reports:
Raw Data GN74860: Alkalinity, Total as CaCO3 page 1 of 6

MANTECH

Date: 2025-10-17 11:37:03
Analyst: GT wetchem

Sample Report

Run Template: Alkalinity
Run ID: 2122
Date Started: 2025-10-17 10:06:11
Date Completed: 2025-10-17 11:37:02

Sample Data

Final Vol.	CO2	Analyst Name
		Grace
		Grace
		Grace
0.0050	0.0000	Grace
0.5950	42.6750	Grace
2.4650	44.0898	Grace
1.8900	3.4276	Grace
1.8500	3.0409	Grace
4.2050	10.6628	Grace
3.5150	5.8385	Grace
2.3100	40.5072	Grace
2.6750	5.0463	Grace
1.9550	2.6194	Grace
		Grace
5.4050	20.4459	Grace
4.6250	43.4558	Grace

GN74860

QC Reports:

Raw Data GN74860: Alkalinity, Total as CaCO3 page 2 of 6

MANTECH

Date: 2025-10-17 11:37:03
Analyst: GT wetchem

Sample Report

Run Template: Alkalinity
Run ID: 2122
Date Started: 2025-10-17 10:06:11
Date Completed: 2025-10-17 11:37:02

Sample Data

Sample	Script ID	Start	End	pH	TAlkalinity	PAlkalinity	Hydroxide	Carbonate	Bicarbonate	Temp.
JE21194-1	Alkalinity	2025-10-17 11:21:59	2025-10-17 11:30:36	8.0755	597.4176	0	0	0	597.4176	23.5148
JE21208-1X	Alkalinity	2025-10-17 11:30:36	2025-10-17 11:35:28	8.2531	146.5785	0	0	0	146.5785	23.7429
CKBUF4..	pH	2025-10-17 11:35:28	2025-10-17 11:37:02	4.0147						23.5763

GN74860

QC Reports:

Raw Data GN74860: Alkalinity, Total as CaCO3 page 3 of 6

MANTECH

Date: 2025-10-17 11:37:03
Analyst: GT wetchem

Sample Report

Run Template: Alkalinity
Run ID: 2122
Date Started: 2025-10-17 10:06:11
Date Completed: 2025-10-17 11:37:02

Sample Data

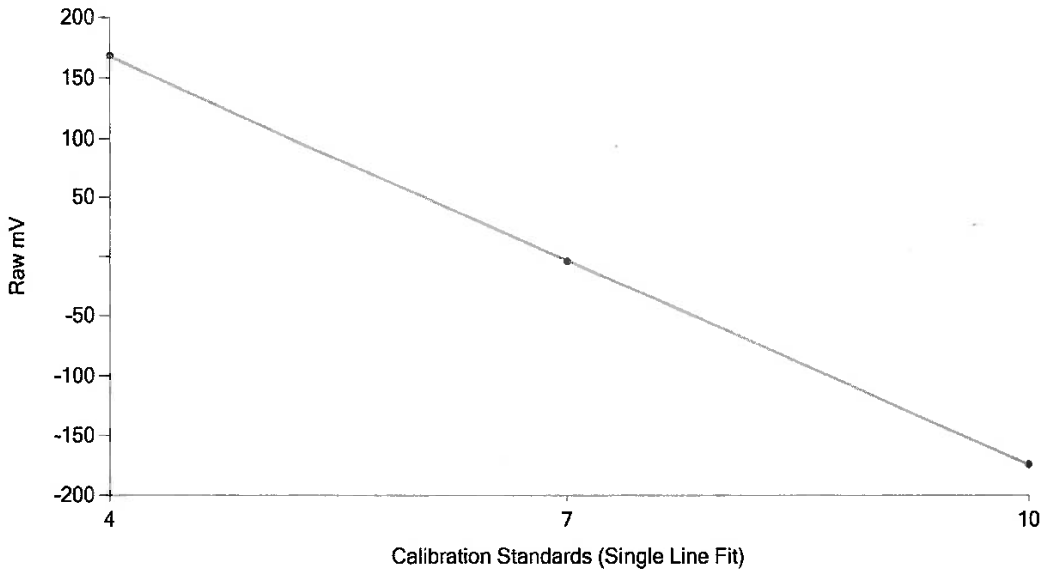
Final Vol.	CO2	Analyst Name
6.0350	10.0417	Grace
1.5250	1.6368	Grace
		Grace

MANTECH

Date: 2025-10-17 09:41:49
Analyst: GT wetchem

Single Line Calibration Report

Calibration Template:	pH Calibration	Analysis Type:	Single Line Fit
Probe Type:	pH	Temperature:	22.1025
Port:	1	Date Started:	2025-10-17 09:38:39
Probe ID:	pH Probe	Date Completed:	2025-10-17 09:38:39



Calibration Data

Result: PASS

Equation: y = -57.0442x - 2.9767

	Result	Minimum	Maximum
Slope:	-57.0442	-63.0000	-55.0000
Intercept:	-2.9767	-100.0000	100.0000
Correlation:	1.0000	0.9950	1.0000
% RSE	0.261		

Calibration Standard	Recorded Standard
4.0000	168.5350
7.0000	-3.7350
10.0000	-173.7300

15.2 15

SGS

Reagent Information Log
Test Name: ALK

Reagent	Reagent # or Manufacturer/Lot
pH BUFFER 4	FISHER #246231 XP 05/27
pH BUFFER 7	FISHER LOT #246940 EXP 03/2027
pH BUFFER 10	FISHER LOT #244710 EXP 11/2026
SODIUM PHOSPHATE DIBASIC	GNE8-79281-ALKALINI XP 2/22/2026
B1-1.0ML OF 5000PPM TO 100ML	TV 50MG/L
B2-5.0ML OF 5000PPM TO 100ML	TV 250 MG/L
H2SO4 TITRANT (0.02N)	FISHER #235420 XP 03/29

All standards and stocks were made as described in the SOP for this method (circle one): (Y) or N
If no (N), see attached page for standards prep.

Form: GN087-01
Rev. Date:10/17/2025

Test: Sulfide by Titration
Product: S
Method: (AQ) SM4500 S2 B, C, or F-11

◉ **Units:** mg/l mg/kg

Analyst: GRACETA
GN Batch ID: GN74863
GP Batch ID: NA
Date: 10/16/2025

Sulfide= ((Vi)(Ni) - (Vt)(Nt)) x 16000 x final Vol. / Vol. titrated x initial wt or vol

Form: AGN-SULFIDE-AQ-04

Iodine reagent number: see attached page

Iodine Normality = Normality x vol of sodium thiosulfate / volume of iodine

Normality 1 = 0.0250
Normality 2 = 0.0250
Average = 0.025000

Sodium thiosulfate manufacturer and lot: lab chem L133-09 XP6/2/2022 see attached page Normality = 0.0250

QC Summary:

Method Blank ID:	GN74863-MB1	Date:	10/16/2025	Result:	<2	<DL:	2	Y	Units
Spike Blank ID:	GN74863-B1	Date:	10/16/2025	Amt. Spiked	5.40	Result:	5.40	% Rec: 100%	
Matrix Spike ID:	JE21034-1	MS Result	5.90	Samp Result	0.50	Spike Amt.	5.40	Rec: 100%	
Duplicate ID:	JE21034-6	Samp Result:	0.10	Dup Result:	0.10	% RPD:	0.00%		

Bottle #	Sample ID	Initial pH	Pre-Treat? Y or N	Initial Vol (ml)	Final Vol. (ml)	Sample Vol Titrated in ml (a)	Volume of Iodine in ml	Sodium Thiosulfate volume (start) ml	Sodium Thiosulfate volume (end) ml	Sodium Thiosulfate total vol in ml	Result	Final Result	Detection Limit (mg/l)	Units
	Iodine Standardization 1	>9	n	1.0	200.0	200.0	6.00	0.00	6.00	6.00	NA	NA	NA	NA
	Iodine Standardization 2	>9	n	1.0	200.0	200.0	6.00	0.00	6.00	6.00	NA	NA	NA	NA
	Sulfide Stock Std 1CONF	>9	Y	1.0	200.0	200.0	6.00	0.00	3.30	3.30	1080.000	1080.00	2	mg/l
	Sulfide Stock Std 2CONF	>9	Y	1.0	200.0	200.0	6.00	0.00	3.30	3.30	1080.000	1080.00	2	mg/l
	GN74863-MB1	>9	Y	200.0	200.0	200.0	6.00	0.00	6.00	6.00	0.000	<2	2	mg/l
	GN74863-B1	>9	Y	200.0	200.0	200.0	6.00	0.00	3.30	3.30	5.400	5.40	2	mg/l
	GN74863-B2	>9	Y	200.0	200.0	200.0	6.00	0.00	0.60	0.60	10.800	10.80	2	mg/l
7	GN74863-S1	>9	Y	200.0	200.0	200.0	6.00	0.00	3.05	3.05	5.900	5.90	2	mg/l
6	GN74863-D1	>9	Y	200.0	200.0	200.0	6.00	0.00	5.95	5.95	0.100	<2	2	mg/l
6	JE21034-1	>9	Y	200.0	200.0	200.0	6.00	0.00	5.75	5.75	0.500	<2	2	mg/l
7	JE21034-6	>9	Y	200.0	200.0	200.0	6.00	0.00	5.95	5.95	0.100	<2	2	mg/l
2	JE21194-1	>9	Y	200.0	200.0	200.0	6.00	0.00	5.90	5.90	0.200	<2	2	mg/l
5	JE21233-1	>9	Y	200.0	200.0	200.0	6.00	0.00	5.85	5.85	0.300	<2	2	mg/l
5	JE21233-2	>9	Y	200.0	200.0	200.0	6.00	0.00	5.85	5.85	0.300	<2	2	mg/l
6	JE21233-3	>9	Y	200.0	200.0	200.0	6.00	0.00	5.95	5.95	0.100	<2	2	mg/l

Analyst: GT Date: 10/16/25 QC Reviewer: _____ Date: _____

GN74863

QC Reports:

Raw Data GN74863: Sulfide page 1 of 2

SGS

Reagent Information Log - Sulfide

Reagent	Reagent # or Manufacturer/Lot
Hydrochloric Acid, 6N	GNE8-79143-SREAC XP 2/11/2026
STANDARD Iodine SOLUTION	GNE8-79144-SULFIDE XP 2/11/2026
Sodium Thiosulfate Solution, 0.0250 N	LAB CHEM LOT NO N0 5/1/2026
Starch Indicator Solution	RICCA 2312D43 XP 11/2025
Zinc Acetate Solution	GNE7-78867-SULFIDE XP 1/14/2026
Sodium Hydroxide, 6N	GNE7-78722-SULFIDE XP 1/1/2026
Sulfide Stock Solution, 1000 ug/ml	GNE10-79759-SULFIDE XP 10/17/2025
pH Paper	Hydrion221523 AUG-26
TSS/TDS FILTERS	Laboratory sales & services lot# 114495

All standards and stocks were made as described in the SOP for this method (circle one): (Y) or N
If no (N), see attached page for standards prep.

Form: GN087A-61
Rev. Date:10/15/2025

LABORATORY REVIEW SIGNATURE FORM
(To be stored with the raw data)

File ID: G251017W1.TXT Date Analyzed: 10/17/25 Methods: SM5310 B-11, SM5310 B-11/14
Analyst: MB Run ID: GN74989

The following analyst(s) have reviewd this run and attest that, to the best of their knowledge, this documentation is complete and correct:

Analyst: MB Date 10-20-25

Analyst: _____ Date _____

Analyst: _____ Date _____

Analyst: _____ Date _____

Analyst: _____ Date _____

Analyst: _____ Date _____

Analyst: _____ Date _____

The following supervisor or their designee has reviewed this run and attests that, to the best of their knowledge, this documentation is complete and correct:

Supervisor (or designee): _____ Date _____

C:\TOC-L\Data\g251017w1.tlx

	Sample Name	Sample ID	Origin	Manual Diluti	Result	Comment
1	WASHCONF		TOCAQSW846.met	1.000	NPOC:0.4464mg/L	
2	CRI		TOCAQSW846.met	1.000	NPOC:1.024mg/L	Coefficient Variation: 3.67%
3	HSTD		TOCAQSW846.met	1.000	NPOC:50.05mg/L	Coefficient Variation: 1.14%
4	ICV		TOCAQSW846.met	1.000	NPOC:19.39mg/L	
5	ICB		TOCAQSW846.met	1.000	NPOC:0.000mg/L	
6	CCV		TOCAQSW846.met	1.000	NPOC:25.84mg/L	
7	CCB		TOCAQSW846.met	1.000	NPOC:0.000mg/L	
8	SPARGERCHK		TOCAQSW846.met	1.000	NPOC:0.5212mg/L	
9	GP64810-MB1	[toc]	TOCAQ.met	1.000	NPOC:0.000mg/L	
10	GP64810-B1		TOCAQ.met	1.000	NPOC:9.805mg/L	0.5 mL 1000ppm to 50 mL DI H2O
11	GP64810-B2		TOCAQ.met	1.000	NPOC:1.194mg/L	0.5 mL 100ppm to 50 mL DI H2O
12	JE21106-4		TOCAQ.met	1.000	NPOC:1.277mg/L	
13	GP64810-S1	JE21106-4	TOCAQ.met	1.000	NPOC:11.68mg/L	0.2mL 1000ppm to 20mL JE21106-4
14	GP64810-MSD1	JE21106-4	TOCAQ.met	1.000	NPOC:11.99mg/L	0.2mL 1000ppm to 20mL JE21106-4
15	JE21106-3		TOCAQ.met	1.000	NPOC:9.222mg/L	
16	JE21106-5		TOCAQ.met	1.000	NPOC:7.188mg/L	
17	JE21106-6	field blank	TOCAQ.met	1.000	NPOC:0.06460mg/L	
18	CCVA		TOCAQ.met	1.000	NPOC:53.51mg/L	
19	CCB		TOCAQ.met	1.000	NPOC:0.03378mg/L	
20	JE21006-4		TOCAQ.met	1.000	NPOC:0.03097mg/L	
21	JE21110-4		TOCAQ.met	1.000	NPOC:0.03824mg/L	
22	JE21112-1		TOCAQ.met	1.000	NPOC:0.03794mg/L	
23	JE21113-1	drinking water	TOCAQ.met	1.000	NPOC:0.9161mg/L	
24	GP64811-MB1	[toc]	TOCAQ.met	1.000	NPOC:0.000mg/L	
25	GP64811-B1		TOCAQ.met	1.000	NPOC:10.61mg/L	0.5 mL 1000ppm to 50 mL DI H2O
26	JE21106-1		TOCAQ.met	1.000	NPOC:9.471mg/L	
27	GP64811-S1	JE21106-1	TOCAQ.met	1.000	NPOC:21.49mg/L	0.2mL 1000ppm to 20mL JE21106-1
28	GP64811-MSD1	JE21106-1	TOCAQ.met	1.000	NPOC:21.56mg/L	0.2mL 1000ppm to 20mL JE21106-1
29	JE21194-1		TOCAQ.met	1.000	NPOC:15.73mg/L	
30	CCV		TOCAQ.met	1.000	NPOC:27.26mg/L	
31	CCB		TOCAQ.met	1.000	NPOC:0.1568mg/L	
32	JE20960-1		TOCAQ.met	1.000	NPOC:0.9608mg/L	
33	JE20960-2		TOCAQ.met	1.000	NPOC:0.9943mg/L	
34	JE21153-8	field blank	TOCAQ.met	1.000	NPOC:0.000mg/L	
35	JE21264-1		TOCAQ.met	1.000	NPOC:23.91mg/L	
36	JE21264-2		TOCAQ.met	1.000	NPOC:7.882mg/L	
37	JE21264-3		TOCAQ.met	1.000	NPOC:4.248mg/L	
38	GP64841-MB1	[toc]	TOCAQ.met	1.000	NPOC:0.00266mg/L	
39	GP64841-B1		TOCAQ.met	1.000	NPOC:10.61mg/L	0.5 mL 1000ppm to 50 mL DI H2O
40	JE21034-1		TOCAQ.met	1.000	NPOC:2.228mg/L	
41	GP64841-S1	JE21034-1	TOCAQ.met	1.000	NPOC:13.43mg/L	0.2mL 1000ppm to 20mL JE21034-1
42	CCVA		TOCAQ.met	1.000	NPOC:53.54mg/L	
43	CCB		TOCAQ.met	1.000	NPOC:0.4563mg/L	
44	GP64841-MSD1	JE21034-1	TOCAQ.met	1.000	NPOC:13.15mg/L	0.2mL 1000ppm to 20mL JE21034-1
45	JE21034-6		TOCAQ.met	1.000	NPOC:1.285mg/L	
46	JE21291-1	②	TOCAQ.met	1.000	NPOC:453.2mg/L	overrange, see rerun
47	JE21291-2		TOCAQ.met	1.000	NPOC:49.19mg/L	
48	JE21291-3	field blank	TOCAQ.met	1.000	NPOC:0.4506mg/L	
49	JE21293-2		TOCAQ.met	1.000	NPOC:3.029mg/L	
50	CCV		TOCAQ.met	1.000	NPOC:27.22mg/L	
51	CCB		TOCAQ.met	1.000	NPOC:0.2439mg/L	
52	SPARGERCHK		TOCAQ.met	1.000	NPOC:0.7392mg/L	

10/20/2025 2:37:39 PM g251017w1-toc GN74989 MB 10-20-25 1/4

15.4 15

C:\TOC-L\Data\g251017w1.tlx

	Sample Name	Sample ID	Origin	Manual Diluti	Result	Comment
53	CCVA	(rerun)	TOCAQ.met	1.000	NPOC:50.75mg/L	
54	CCB		TOCAQ.met	1.000	NPOC:0.2283mg/L	
55	JE21291-1		TOCAQ.met	20.00	NPOC:367.0mg/L	
56	CCV		TOCAQ.met	1.000	NPOC:26.84mg/L	
57	CCB		TOCAQ.met	1.000	NPOC:0.06587mg/L	
58	SPARGERCHK		TOCAQ.met	1.000	NPOC:0.2622mg/L	

g251017w1-toc GW74989 MB 10-20-25

SGS

GN: GN74989

Analyst: MB

Date: 10-17-25

Test: Total Organic Carbon

Product: TOC or DOC

Method: SM5310 B-14, SW846 9060A

g251017wl-toc

Note: Refer to raw data and LIMS for information not shown below.

Autosampler Position #	Sample ID	pH	Diluton Factor	Bottle #	Comments
1	WASHCONF	<2			
2	CRI				
3	HSTD				
4	ICV				
5	ICB				
6	CCV				
7	CCB				
8	SPARGERCHK				
9	GP64810-MB1			-	[toc]
10	GP64810-B1			-	High Blank Spike
11	GP64810-B2			-	Low Blank Spike
12	JE21106-4			11	
13	GP64810-S1			12	JE21106-4
14	GP64810-MSD1			12	JE21106-4
15	JE21106-3			4	
16	JE21106-5			4	
17	JE21106-6			4	Field Blank
18	CCVA				
19	CCB				
20	JE21006-4			20	
21	JE21110-4			20	
22	JE21112-1			4	
23	JE21113-1			25	Drinking Water
24	GP64811-MB1			-	[toc]
25	GP64811-B1			-	
26	JE21106-1			4	
27	GP64811-S1			4	JE21106-1

Form:GN054-05 Rev: 1/24/2024

QCReviewer:_____ Date:_____

Comments: BSP: 500ul of 1000ppm KHP up to 50mL with DI H20 TV= 10 mg/L

MS/MSD: 200ul of 1000ppm KHP up to 20mL with sample TV=10 mg/L

ICV: 5mL of 100 ppm Sucrose up to 25mL with DI H20 TV=20 mg/L

15.4

15

SGS

Analyst: MB

Date: 10-17-25

Test: Total Organic Carbon

Product: TOC or DOC

Method: SM5310 B-14, SW846 9060A

Note: Refer to raw data and LIMS for information not shown below.

Autosampler Position #	Sample ID	pH	Diluton Factor	Bottle #	Comments
28	GP64811-MSD1	<2		4	JE21106-1
29	JE21194-1			8	
30	CCV				
31	CCB				
32	JE20960-1			2	
33	JE20960-2			2	
34	JE21153-8			1	Field Blank
35	JE21264-1			11	
36	JE21264-2			11	
37	JE21264-3			11	
38	GP64841-MB1			-	[toc]
39	GP64841-B1			-	
40	JE21034-1			11	
41	GP64841-S1			12	JE21034-1
42	CCVA				
43	CCB				
44	GP64841-MSD1			12	JE21034-1
45	JE21034-6			14	
46	JE21291-1			4	
47	JE21291-2			5	
48	JE21291-3			4	Field Blank
49	JE21293-2			4	
50	CCV				
51	CCB				
52	SPARGERCHK				

Form:GN054-05 Rev: 1/24/2024

Comments: BSP: 500ul of 1000ppm KHP up to 50mL with DI H20 TV= 10 mg/L
MS/MSD: 200ul of 1000ppm KHP up to 20mL with sample TV=10 mg/L
ICV: 5mL of 100 ppm Sucrose up to 25mL with DI H20 TV=20 mg/L

15.4 15

SGS

Analyst MB Product TOC Autopipette # 53

Date 10-20-25 Batch ID GN74989 Class A Vol. Flask

Sample Dilution Prep Log

Sample ID	Dilution	Initial Volume	Final Volume	Comments
JE21291-1	1:20	1 mL	20 mL	Rerun (GP64841)

QC Reviewer:_____ Date:_____

Form: GN165-01
Rev. Date: 2/25/03

SGS

Reagent Information Log - TOC/DOC

GN74989

Reagent	Expiration Date	Reagent # or Manufacturer/Lot
Potassium Hydrogen Phthlate (KHP), Stock Solution 1000 mg/L	10/17/2025	GNE7-78933-TOC
Carbonate/Bicarbonate Stock Solution	11/20/2025	GNE8-79252-TOC
Sparger Check Solution	10/24/2025	GNE9-79653-TOC
CCV Solution (25 ppm)	11/10/2025	GNE10-79780-TOC
CCVA Solution (50 ppm)	11/10/2025	GNE10-79781-TOC
CRI Check	10/17/2025	GNE9-79602-TOC
HCl	2/9/2026	J.T.Baker LOT #23J2062001
pH Hydron Paper	8/1/2026	Fisher LOT #222221
Sucrose Stock Solution	10/24/2025	GNE9-79652-TOC
IC Millex 0.45µm filter	N/A	Merck Millipore LOT #0000163467

All standards and stocks were made as described in the SOP for this method (circle one): (Y) or N
If no (N), see attached page for standards prep.

Form: GN087A67-043
Rev Date: 3/17/2023

15.4
15

SGS

GENERAL CHEMISTRY STANDARD PREPARATION LOG FOR TOC (AQ)

Product: TOC

Analyst: MB

Date: 10-20-25

GN/GP number: GN74989

Intermediate Standard Description	Stock used to prepare standard	Stock concentration (mg/L)	Stock volume used (mL or g)	Balance/Pipette ID*	Diluent(a)	Final Volume	Final Conc. of Intermediate (mg/L)	Expiration Date	Analyst	Date
GNE7-78933-TOC	**Fisher Lot:** 230095	KHP	2.1275 g	B-39	DI H2O	1000 mL	1000 ppm	10/17/2025	MB	7/18/2025
GNE9-79601-TOC	*GNE7-78933-TOC*	1000 ppm	20 mL	Class A Pipet	DI H2O	200 mL	100 ppm	10/17/2025	MB	9/23/2025
GNE9-79652-TOC	**Fisher Lot:** 210554	Sucrose	0.0483 g	B-39	DI H2O	200 mL	100 ppm	10/24/2025	MB	9/26/2025
Standard Description	**Intermediate or Stock used to prepare standard**	**Intermediate or Stock concentration (mg/L)**	**Intermediate or Stock volume used (mL)**	**Balance/Pipette ID***	**Diluent**	**Final Volume**	**Final Conc. of Standard (mg/L)**	**Expiration Date**	**Analyst**	**Date**
KHP STDS										
GNE9-79602-TOC	*GNE9-79601-TOC*	100 ppm	1.0	Class A Pipet	DI H2O	100 mL	1.0	10/17/2025	MB	9/23/2025
GNE9-79603-TOC	*GNE9-79601-TOC*	100 ppm	2.0	Class A Pipet	DI H2O	100 mL	2.0	10/17/2025	MB	9/23/2025
GNE9-79604-TOC	*GNE9-79601-TOC*	100 ppm	5.0	Class A Pipet	DI H2O	100 mL	5.0	10/17/2025	MB	9/23/2025
GNE9-79605-TOC	*GNE9-79601-TOC*	100 ppm	10.0	Class A Pipet	DI H2O	100 mL	10.0	10/17/2025	MB	9/23/2025
GNE9-79606-TOC	*GNE9-79601-TOC*	100 ppm	20.0	Class A Pipet	DI H2O	100 mL	20.0	10/17/2025	MB	9/23/2025
GNE9-79607-TOC	*GNE9-79601-TOC*	100 ppm	30.0	Class A Pipet	DI H2O	100 mL	30.0	10/17/2025	MB	9/23/2025
GNE9-79608-TOC	*GNE9-79601-TOC*	100 ppm	50.0	Class A Pipet	DI H2O	100 mL	50.0	10/17/2025	MB	9/23/2025
KHP STDS										
GNE10-79779-TOC	**Acros Lot:** A0383564	KHP	0.2154 g	B-39	DI H2O	100 mL	100 ppm	11/10/2025	MB	10/13/2025
GNE10-79780-TOC	*GNE10-79779-TOC*	100 ppm	50 mL	Class A Pipet	DI H2O	100 mL	25 ppm	11/10/2025	MB	10/13/2025
GNE10-79781-TOC	*GNE10-79779-TOC*	100 ppm	100 mL	Class A Pipet	DI H2O	100 mL	50 ppm	11/10/2025	MB	10/13/2025

*If Class A glass pipettes are used, enter an A.

(a) Dilutent reagent reference number:

Expiration date:

All strikeouts must be initialed, dated, and reason applied if not transcription error

Form: GN199-02
Rev. Date: 3/17/2023

TOC-Control L Report

Chem
g250923weal.tlx

Instr.Information

Instrument Options	TOC ASI Sparge Kit
Catalyst	Regular Sensitivity
Cell Length	long

Cal. Curve

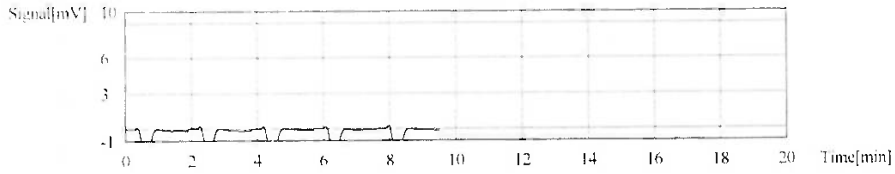
Sample Name	Untitled
Sample ID	Untitled
Cal. Curve	g250923w1 2025_09_23_13_11_27.cal
Status	Completed

Type	Anal.
Standard	NPOC

Conc. 0.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	4.707	100uL	1.000	*******		9/23/2025 1:28:08 PM
2	4.897	100uL	1.000	*******		9/23/2025 1:41:34 PM
3	5.441	100uL	1.000	*******		9/23/2025 1:55:00 PM
4	3.031	100uL	1.000	*******		9/23/2025 2:08:27 PM
5	0.000	100uL	1.000	*******	E	9/23/2025 2:21:58 PM

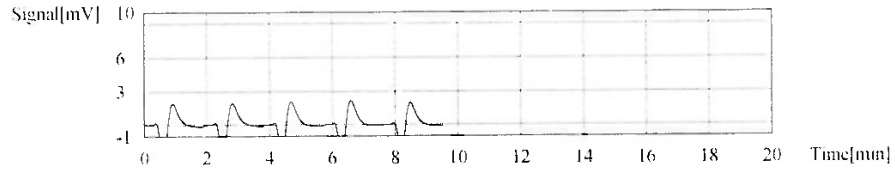
Acid Add	0.000%
Sparge Gas Flow	80mL/min
Sp. Time	600.0sec
Mean Area	4.519
CV Area	23.01%



Conc. 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	11.27	100uL	1.000	*******		9/23/2025 2:39:03 PM
2	11.16	100uL	1.000	*******		9/23/2025 2:52:37 PM
3	0.7940	100uL	1.000	*******	L	9/23/2025 3:06:04 PM
4	11.08	100uL	1.000	*******		9/23/2025 3:19:47 PM
5	10.38	100uL	1.000	*******		9/23/2025 3:33:10 PM

Acid Add	0.000%
Sparge Gas Flow	80mL/min
Sp. Time	600.0sec
Mean Area	10.97
CV Area	3.67%



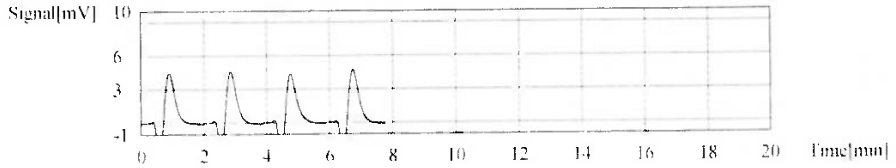
Conc. 2.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	18.41	100uL	1.000	*******		9/23/2025 3:50:15 PM
2	16.67	100uL	1.000	*******		9/23/2025 4:03:41 PM
3	17.63	100uL	1.000	*******		9/23/2025 4:17:13 PM
4	17.51	100uL	1.000	*******		9/23/2025 4:30:39 PM

TOC-Control L Report

Client
g250923wcal.tlx

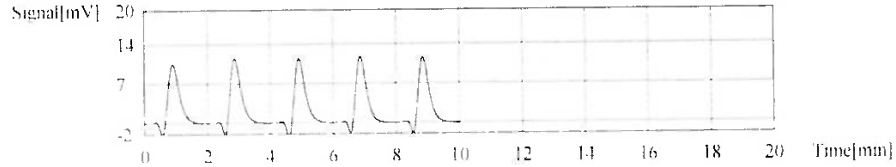
Acid Add 0.000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 17.56
CV Area 1.06%



Conc. 5.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	22.96	100uL	1.000	*******		9/23/2025 4:48:02 PM
2	24.35	100uL	1.000	*******		9/23/2025 5:01:37 PM
3	33.25	100uL	5.000	*******	E	9/23/2025 5:15:10 PM
4	31.67	100uL	1.000	*******		9/23/2025 5:28:39 PM
5	25.00	100uL	1.000	*******		9/23/2025 5:42:09 PM

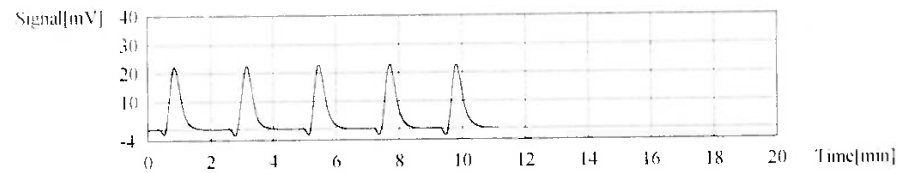
Acid Add 0.000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 26.00
CV Area 14.92%



Conc. 10.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	51.41	100uL	1.000	*******		9/23/2025 5:59:28 PM
2	53.21	100uL	1.000	*******		9/23/2025 6:13:20 PM
3	60.97	100uL	1.000	*******	E	9/23/2025 6:27:05 PM
4	53.00	100uL	1.000	*******		9/23/2025 6:40:42 PM
5	52.67	100uL	1.000	*******		9/23/2025 6:54:27 PM

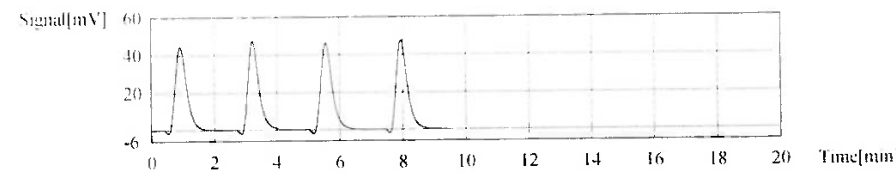
Acid Add 0.000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 52.59
CV Area 1.57%



Conc. 20.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	113.7	100uL	1.000	*******		9/23/2025 7:11:50 PM
2	113.0	100uL	1.000	*******		9/23/2025 7:25:37 PM
3	113.1	100uL	1.000	*******		9/23/2025 7:39:31 PM
4	119.9	100uL	1.000	*******		9/23/2025 7:53:24 PM

Acid Add 0.000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 114.9
CV Area 2.90%



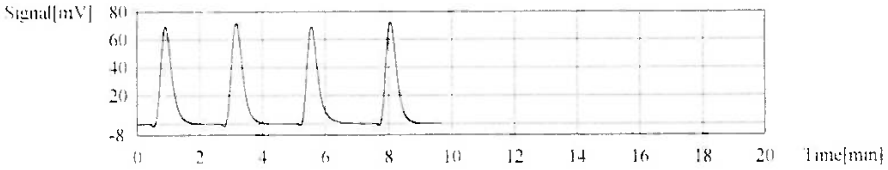
Conc. 30.00mg/L

TOC-Control L Report

Chem
g250923wcal.tlx

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	169.6	100uL	1.000	*******		9/23/2025 8:10:57 PM
2	185.4	100uL	1.000	*******		9/23/2025 8:24:49 PM
3	172.6	100uL	1.000	*******		9/23/2025 8:38:47 PM
4	173.9	100uL	1.000	*******		9/23/2025 8:52:44 PM

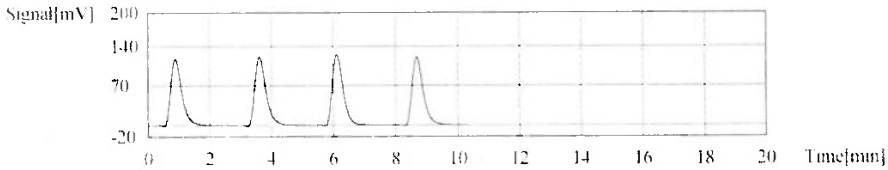
Acid Add	0.000%
Sparge Gas Flow	80mL/min
Sp. Time	600.0sec
Mean Area	174.9
CV Area	3.41%



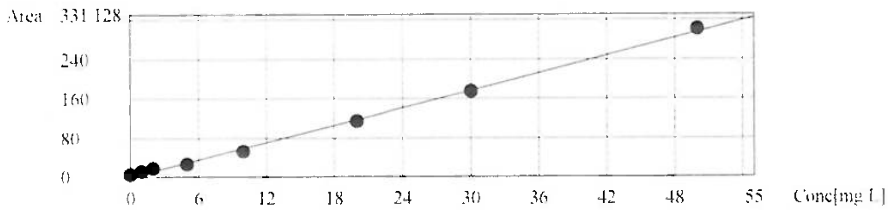
Conc: 50.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	297.1	100uL	1.000	*******		9/23/2025 9:10:43 PM
2	301.4	100uL	1.000	*******		9/23/2025 9:24:42 PM
3	305.4	100uL	1.000	*******		9/23/2025 9:38:45 PM
4	300.2	100uL	1.000	*******		9/23/2025 9:52:43 PM

Acid Add	0.000%
Sparge Gas Flow	80mL/min
Sp. Time	600.0sec
Mean Area	301.0
CV Area	1.14%



Slope	5.909
Intercept	0.000
r^2	0.9977
r	0.9988
Zero Shift	Yes



15.4
15

TOC-Control L Report

Chem
g251017w1.tlx

Instr.Information

Instrument Options	TOC ASI Sparge Kit
Catalyst	Regular Sensitivity
Cell Length	long

Sample

Sample Name	WASHCONT
Sample ID	
Origin	TOCAQSW846.met
Status	Completed
Chk. Result	

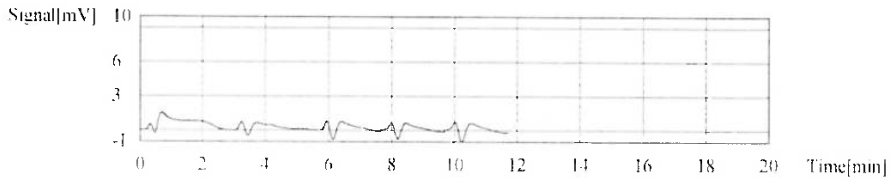
Type	Anal.	Result
Unknown	NPOC	NPOC 0.4464mg/L

1 Det

Anal. NPOC

No.	Area	Conc.	Inj. Vol	Ex.	Cal. Curve	Date / Time
1	9.878	1.672mg/L	100uL	E	g250923w1.2025_09_23_13_11_27.cal	10/17/2025 11:39:12 AM
2	3.464	0.5863mg/L	100uL		g250923w1.2025_09_23_13_11_27.cal	10/17/2025 11:42:05 AM
3	2.738	0.4600mg/L	100uL		g250923w1.2025_09_23_13_11_27.cal	10/17/2025 11:44:20 AM
4	2.262	0.3828mg/L	100uL		g250923w1.2025_09_23_13_11_27.cal	10/17/2025 11:46:36 AM
5	2.107	0.3566mg/L	100uL		g250923w1.2025_09_23_13_11_27.cal	10/17/2025 11:48:55 AM

Acid Add.	0.080%
Sparge Gas Flow	80mL/min
Sp. Time	600.0sec
Mean Area	2.638
SD Area	0.6088
CV Area	23.08%
No Washes	1



Sample

Sample Name	CRI
Sample ID	
Origin	TOCAQSW846.met
Status	Completed
Chk. Result	

Type	Anal.	Result
Unknown	NPOC	NPOC 1.024mg/L

1 Det

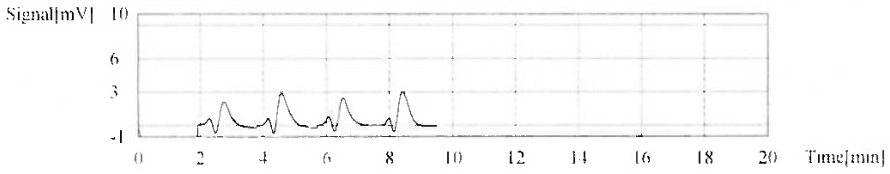
Anal. NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	8.189	1.386mg/L	100uL	E	g250923w1.2025_09_23_13_11_27.cal	10/17/2025 1:01:04 PM
2	4.679	0.7918mg/L	100uL		g250923w1.2025_09_23_13_11_27.cal	10/17/2025 1:03:22 PM
3	7.049	1.193mg/L	100uL		g250923w1.2025_09_23_13_11_27.cal	10/17/2025 1:05:32 PM
4	5.595	0.9469mg/L	100uL		g250923w1.2025_09_23_13_11_27.cal	10/17/2025 1:07:44 PM
5	6.880	1.164mg/L	100uL		g250923w1.2025_09_23_13_11_27.cal	10/17/2025 1:09:49 PM

TOC-Control L Report

Chem
g251017wLtix

Acid Add	0.000%
Sparge Gas Flow	80mL/min
Sp. Time	600.0sec
Mean Area	6.053
SD Area	1.124
CV Area	18.57%
No Washes	1



Sample

Sample Name	HSHD
Sample ID	
Origin	TOCAQSW846.met
Status	Completed
Chk. Result	

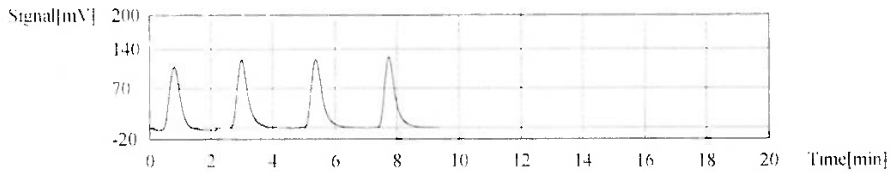
Type	Anal.	Result
Unknown	NPOC	NPOC 50.05mg/L

1 Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	281.6	47.66mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/17/2025 2:45:42 PM
2	295.9	50.08mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/17/2025 2:48:23 PM
3	304.2	51.48mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/17/2025 2:51:01 PM
4	301.1	50.96mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/17/2025 2:53:41 PM

Acid Add	0.000%
Sparge Gas Flow	80mL/min
Sp. Time	600.0sec
Mean Area	295.7
SD Area	10.00
CV Area	3.38%
No Washes	1



Sample

Sample Name	ICV
Sample ID	
Origin	TOCAQSW846.met
Status	Completed
Chk. Result	

Type	Anal.	Result
Unknown	NPOC	NPOC 19.39mg/L

1 Det

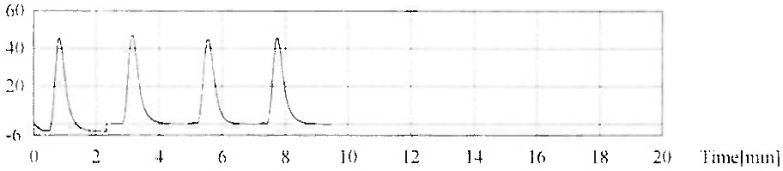
Anal.: NPOC

TOC-Control L Report

Chem
g251017w1.tlx

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	117.4	19.87mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/17/2025 3:10:17 PM
2	113.3	19.18mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/17/2025 3:12:59 PM
3	113.5	19.21mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/17/2025 3:15:26 PM
4	114.1	19.31mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/17/2025 3:18:12 PM

Acid Add. 0.000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 114.6
SD Area 1.914
CV Area 1.67%
No Washes 1



Sample

Sample Name: 20 B
Sample ID:
Origin: TOC\AQSW846.met
Status: Completed
Chk. Result:

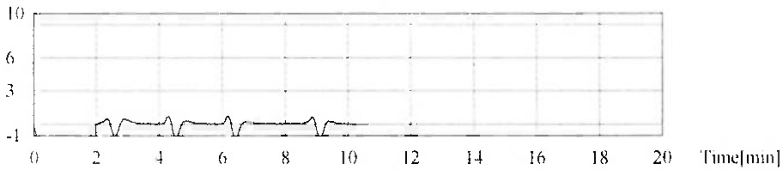
Type	Anal.	Result
Unknown	NPOC	NPOC 0.000mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	7.519	1.273mg/L	100uL	1	g250923w1 2025_09_23_13_11_27.cal	10/17/2025 3:42:38 PM
2	0.000	0.000mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/17/2025 3:44:51 PM
3	0.000	0.000mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/17/2025 3:46:56 PM
4	0.000	0.000mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/17/2025 3:49:40 PM
5	0.000	0.000mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/17/2025 3:52:18 PM

Acid Add. 0.000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 0.000
SD Area 0.000
CV Area 0.00%
No Washes 1



Sample

Sample Name: CCV
Sample ID:
Origin: TOC\AQSW846.met
Status: Completed
Chk. Result:

Type	Anal.	Result
Unknown	NPOC	NPOC 25.84mg/L

TOC-Control L Report

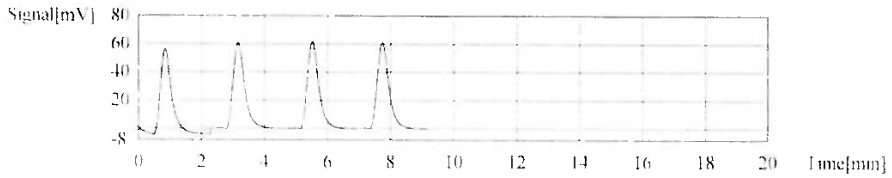
Chem
g251017wL.tlx

1 Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	147.5	24.29mg/L	100uL		g250923wL 2025_09_23_13_11_27.cal	10/17/2025 4:08:46 PM
2	154.3	26.11mg/L	100uL		g250923wL 2025_09_23_13_11_27.cal	10/17/2025 4:11:27 PM
3	156.0	26.49mg/L	100uL		g250923wL 2025_09_23_13_11_27.cal	10/17/2025 4:13:50 PM
4	156.9	26.55mg/L	100uL		g250923wL 2025_09_23_13_11_27.cal	10/17/2025 4:16:21 PM

Acid Add: 0.000%
Sparge Gas Flow: 80mL/min
Sp. Time: 600.0sec
Mean Area: 152.7
SD Area: 6.211
CV Area: 4.07%
No Washes: 1



Sample

Sample Name: CCB
Sample ID:
Origin: TOC/AQSW846.met
Status: Completed
Chk. Result:

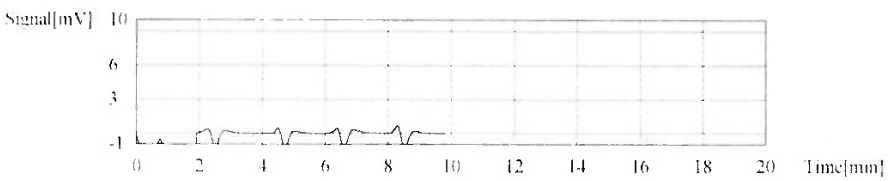
Type	Anal.	Result
Unknown	NPOC	NPOC 0.000mg/L

1 Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	7.081	1.198mg/L	100uL	1	g250923wL 2025_09_23_13_11_27.cal	10/17/2025 4:35:54 PM
2	0.000	0.000mg/L	100uL		g250923wL 2025_09_23_13_11_27.cal	10/17/2025 4:38:27 PM
3	0.000	0.000mg/L	100uL		g250923wL 2025_09_23_13_11_27.cal	10/17/2025 4:40:32 PM
4	0.000	0.000mg/L	100uL		g250923wL 2025_09_23_13_11_27.cal	10/17/2025 4:42:42 PM
5	0.000	0.000mg/L	100uL		g250923wL 2025_09_23_13_11_27.cal	10/17/2025 4:44:51 PM

Acid Add: 0.000%
Sparge Gas Flow: 80mL/min
Sp. Time: 600.0sec
Mean Area: 0.000
SD Area: 0.000
CV Area: 0.00%
No Washes: 1



Sample

Sample Name: SPARGERCHK
Sample ID:
Origin: TOC/AQSW846.met
Status: Completed
Chk. Result:

TOC-Control L Report

Chem
g251017w1.tlx

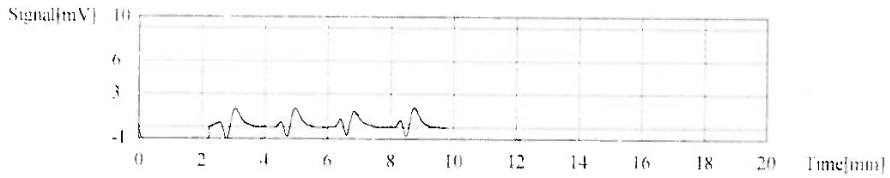
Type	Anal.	Result
Unknown	NPOC	NPOC 0.5212mg/L

1 Det

Anal NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	6.618	1.120mg/L	100uL	E	g250923w1 2025-09-23 13-11-27.cal	10/17/2025 5:01:15 PM
2	2.797	0.4734mg/L	100uL		g250923w1 2025-09-23 13-11-27.cal	10/17/2025 5:03:20 PM
3	3.040	0.5145mg/L	100uL		g250923w1 2025-09-23 13-11-27.cal	10/17/2025 5:05:34 PM
4	3.225	0.5455mg/L	100uL		g250923w1 2025-09-23 13-11-27.cal	10/17/2025 5:07:39 PM
5	3.258	0.5513mg/L	100uL		g250923w1 2025-09-23 13-11-27.cal	10/17/2025 5:09:11 PM

Acid Add. 0.000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 3.080
SD Area 0.2112
CV Area 6.86%
No Washes 1



Sample

Sample Name GP64810-MB1
Sample ID [toc]
Origin TOC_AQ.met
Status Completed
Chk. Result

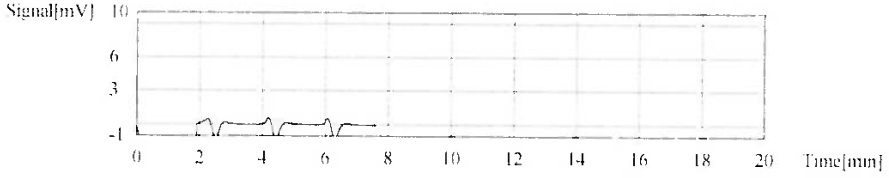
Type	Anal.	Result
Unknown	NPOC	NPOC 0.000mg/L

1 Det

Anal NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	3.705	0.643mg/L	100uL	E	g250923w1 2025-09-23 13-11-27.cal	10/17/2025 5:25:50 PM
2	0.000	0.000mg/L	100uL		g250923w1 2025-09-23 13-11-27.cal	10/17/2025 5:28:04 PM
3	0.000	0.000mg/L	100uL		g250923w1 2025-09-23 13-11-27.cal	10/17/2025 5:30:09 PM
4	0.000	0.000mg/L	100uL		g250923w1 2025-09-23 13-11-27.cal	10/17/2025 5:32:15 PM

Acid Add. 0.000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 0.000
SD Area 0.000
CV Area 0.00%
No Washes 1



Sample

TOC-Control L Report

Chem
g251017w1.tlx

Sample Name GP64810-B1
Sample ID
Origin TOCAQ.met
Status Completed
Chk. Result

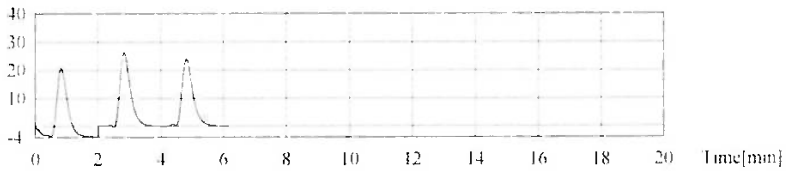
Type	Anal.	Result
Unknown	NPOC	NPOC 9.805mg/L

1 Det

Anal. NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	54.82	9.278mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/17/2025 7:00:17 PM
2	60.15	10.18mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/17/2025 7:02:38 PM
3	58.83	9.957mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/17/2025 7:04:59 PM

Acid Add 0.0000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 57.93
SD Area 2.776
CV Area 4.79%
No Washes 1



Sample

Sample Name GP64810-B2
Sample ID
Origin TOCAQ.met
Status Completed
Chk. Result

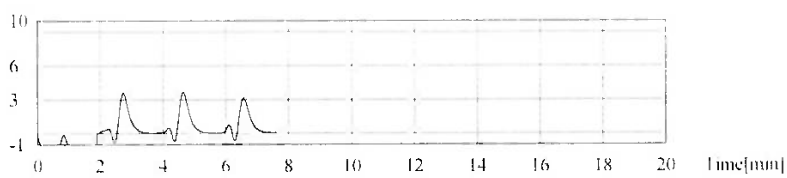
Type	Anal.	Result
Unknown	NPOC	NPOC 1.194mg/L

1 Det

Anal. NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	9.300	1.589mg/L	100uL	E	g250923w1_2025_09_23_13_11_27.cal	10/17/2025 7:42:02 PM
2	7.023	1.180mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/17/2025 7:44:17 PM
3	7.277	1.232mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/17/2025 7:46:22 PM
4	6.872	1.163mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/17/2025 7:48:27 PM

Acid Add 0.0000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 7.057
SD Area 0.2047
CV Area 2.90%
No Washes 1



TOC-Control L Report

Client
p251017w1.tlx

Sample

Sample Name JE21106-4
Sample ID
Origin TOC AQ met
Status Completed
Chk. Result

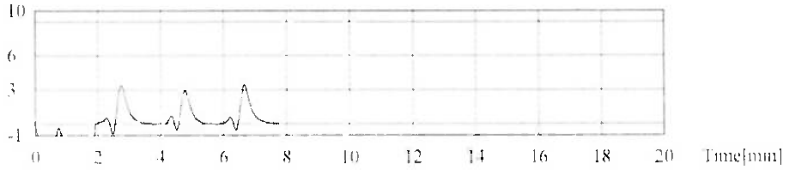
Type	Anal.	Result
Unknown	NPOC	NPOC 1.273mg/L

1 Det

Anal. NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	8.104	1.372mg/L	100uL		p250923w1_2025_09_23_13_11_27.cal	10/17/2025 8:04:34 PM
2	7.283	1.233mg/L	100uL		p250923w1_2025_09_23_13_11_27.cal	10/17/2025 8:06:55 PM
3	6.125	1.037mg/L	100uL	*	p250923w1_2025_09_23_13_11_27.cal	10/17/2025 8:09:00 PM
4	7.255	1.228mg/L	100uL		p250923w1_2025_09_23_13_11_27.cal	10/17/2025 8:11:09 PM

Acid Add 0.0000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 7.817
SD Area 0.483
CV Area 6.30%
No Washes 3



Sample

Sample Name GP64810-S3
Sample ID JE21106-4
Origin TOC AQ met
Status Completed
Chk. Result

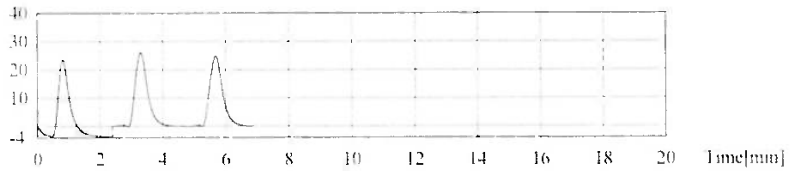
Type	Anal.	Result
Unknown	NPOC	NPOC 11.68mg/L

1 Det

Anal. NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	66.06	11.18mg/L	100uL		p250923w1_2025_09_23_13_11_27.cal	10/17/2025 8:27:45 PM
2	70.97	12.01mg/L	100uL		p250923w1_2025_09_23_13_11_27.cal	10/17/2025 8:30:26 PM
3	70.07	11.86mg/L	100uL		p250923w1_2025_09_23_13_11_27.cal	10/17/2025 8:32:45 PM

Acid Add 0.0000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 69.03
SD Area 2.614
CV Area 3.79%
No Washes 1



TOC-Control L Report

Chem
g251017w1.tlx

Sample

Sample Name G[764810-MSD1
Sample ID JE21106-4
Origin TOC AQ met
Status Completed
Chk. Result

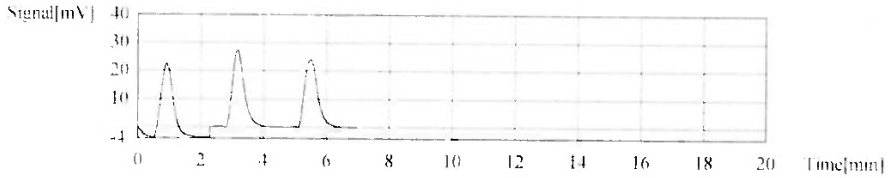
Type	Anal.	Result
Unknown	NPOC	NPOC 11.99mg/L

1. Det

Anal. NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	70.14	11.87mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/17/2025 8:49:19 PM
2	71.17	12.05mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/17/2025 8:51:56 PM
3	71.15	12.04mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/17/2025 8:54:32 PM

Acid Add 0.000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 70.82
SD Area 0.5800
CV Area 0.83%
No Washes 1



Sample

Sample Name JE21106-3
Sample ID
Origin TOC AQ met
Status Completed
Chk. Result

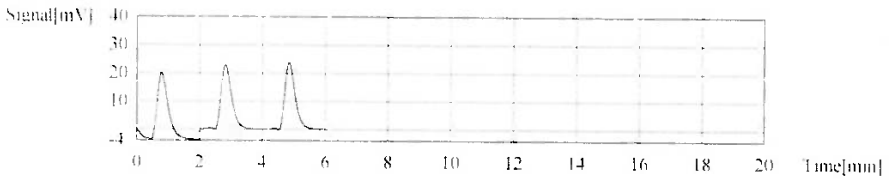
Type	Anal.	Result
Unknown	NPOC	NPOC 9.222mg/L

1. Det

Anal. NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	55.56	9.403mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/17/2025 9:10:50 PM
2	53.98	9.136mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/17/2025 9:13:11 PM
3	53.93	9.128mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/17/2025 9:15:31 PM

Acid Add 0.000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 54.49
SD Area 0.9270
CV Area 1.70%
No Washes 1



TOC-Control L Report

Chem
g251017w1.tlx

Sample

Sample Name	JE21106-5
Sample ID	
Origin	TOC-AQ met
Status	Completed
Chk. Result	

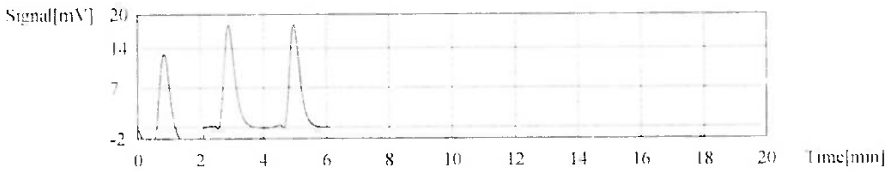
Type	Anal.	Result
Unknown	NPOC	NPOC 7.188mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	42.44	7.188mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/17/2025 9:31:55 PM
2	42.69	7.225mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/17/2025 9:34:21 PM
3	42.28	7.156mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/17/2025 9:36:36 PM

Acid Add	0.0009%
Sparge Gas Flow	80mL/min
Sp. Time	600.0sec
Mean Area	42.47
SD Area	0.2066
CV Area	0.49%
No Washes	1



Sample

Sample Name	JE21106-6
Sample ID	fieldblank
Origin	TOC-AQ met
Status	Completed
Chk. Result	

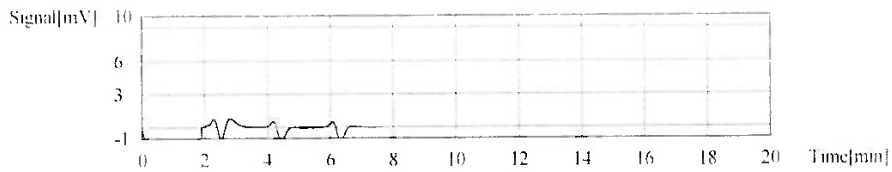
Type	Anal.	Result
Unknown	NPOC	NPOC 0.06400mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	3.912	0.6621mg/L	100uL	E	g250923w1 2025_09_23_13_11_27.cal	10/17/2025 9:52:18 PM
2	1.145	0.1938mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/17/2025 9:53:01 PM
3	0.000	0.000mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/17/2025 9:57:00 PM
4	0.000	0.000mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/17/2025 9:59:18 PM

Acid Add	0.0009%
Sparge Gas Flow	80mL/min
Sp. Time	600.0sec
Mean Area	0.3817
SD Area	0.6611
CV Area	173.21%
No Washes	1



TOC-Control L Report

Chem
p251017w1.tlx

Sample

Sample Name: CCVA
Sample ID:
Origin: TOC AQ met
Status: Completed
Chk. Result:

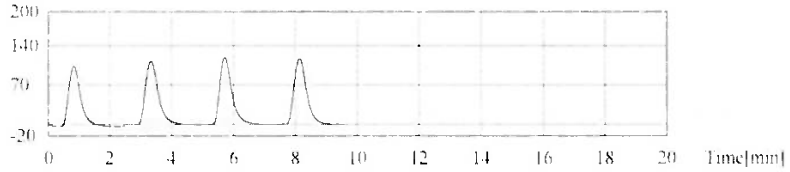
Type	Anal.	Result
Unknown	NPOC	NPOC 53.51mg/L

1 Det

Anal: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	293.9	49.74mg/L	100uL		p250923w1 2025-09-23 13-11-27.cal	10/17/2025 10:15:59 PM
2	322.9	54.68mg/L	100uL		p250923w1 2025-09-23 13-11-27.cal	10/17/2025 10:18:47 PM
3	321.7	54.48mg/L	100uL		p250923w1 2025-09-23 13-11-27.cal	10/17/2025 10:21:21 PM
4	326.2	55.21mg/L	100uL		p250923w1 2025-09-23 13-11-27.cal	10/17/2025 10:23:50 PM

Acid Add: 0.1000 %
Sparge Gas Flow: 80mL/min
Sp. Time: 600.0sec
Mean Area: 316.2
SD Area: 14.97
CV Area: 4.74 %
No Washes: 1



Sample

Sample Name: CCB
Sample ID:
Origin: TOC AQ met
Status: Completed
Chk. Result:

Type	Anal.	Result
Unknown	NPOC	NPOC 0.03378mg/L

1 Det

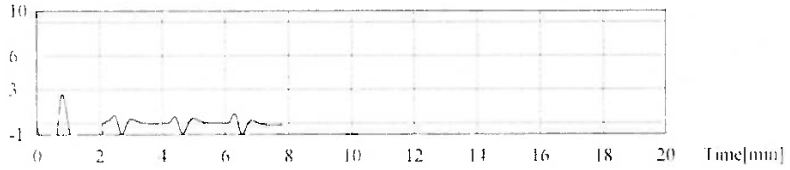
Anal: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	15.22	2.570mg/L	100uL		p250923w1 2025-09-23 13-11-27.cal	10/17/2025 10:40:08 PM
2	0.2565	0.06333mg/L	100uL		p250923w1 2025-09-23 13-11-27.cal	10/17/2025 10:42:22 PM
3	0.07040	0.01192mg/L	100uL		p250923w1 2025-09-23 13-11-27.cal	10/17/2025 10:44:27 PM
4	0.2734	0.06760mg/L	100uL		p250923w1 2025-09-23 13-11-27.cal	10/17/2025 10:46:32 PM

TOC-Control L Report

Chem
g251017w1.tlx

Acid Add	0.000%
Sparge Gas Flow	80mL/min
Sp. Time	600.0sec
Mean Area	0.1936
SD Area	0.1122
CV Area	56.21%
No Washes	1



Sample

Sample Name	JE21006-4
Sample ID	
Origin	TOCAQ.met
Status	Completed
Chk. Result	

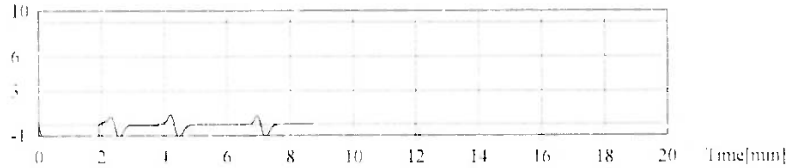
Type	Anal.	Result
Unknown	NPOC	NPOC 0.03007mg/L

1 Det

Anal. NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	0.7319	0.1239mg/L	100uL		g250923w1 2025-09-23 13-11-27.cal	10/17/2025 11:02:38 PM
2	0.000	0.000mg/L	100uL		g250923w1 2025-09-23 13-11-27.cal	10/17/2025 11:04:52 PM
3	0.000	0.000mg/L	100uL		g250923w1 2025-09-23 13-11-27.cal	10/17/2025 11:07:52 PM
4	0.000	0.000mg/L	100uL		g250923w1 2025-09-23 13-11-27.cal	10/17/2025 11:10:15 PM

Acid Add	0.000%
Sparge Gas Flow	80mL/min
Sp. Time	600.0sec
Mean Area	0.1830
SD Area	0.3660
CV Area	200.00%
No Washes	1



Sample

Sample Name	JE21110-4
Sample ID	
Origin	TOCAQ.met
Status	Completed
Chk. Result	

Type	Anal.	Result
Unknown	NPOC	NPOC 0.03824mg/L

1 Det

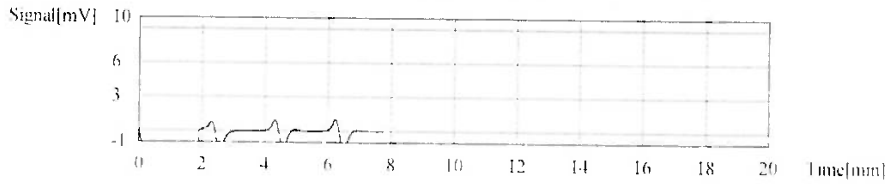
Anal. NPOC

TOC-Control L Report

Chem
g251017w1.tlx

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	0.0037	0.1529mg/L	100uL		g250923w1 2025 09 23 13 11 27 cal	10/17/2025 11:26:21 PM
2	0.000	0.000mg/L	100uL		g250923w1 2025 09 23 13 11 27 cal	10/17/2025 11:28:42 PM
3	0.000	0.000mg/L	100uL		g250923w1 2025 09 23 13 11 27 cal	10/17/2025 11:30:52 PM
4	0.000	0.000mg/L	100uL		g250923w1 2025 09 23 13 11 27 cal	10/17/2025 11:33:01 PM

Acid Add 0.000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 0.2259
SD Area 0.4819
CV Area 200.00%
No Washes 1



Sample

Sample Name: JE21112-1
Sample ID
Origin: TOC AQ met
Status Completed
Chk. Result

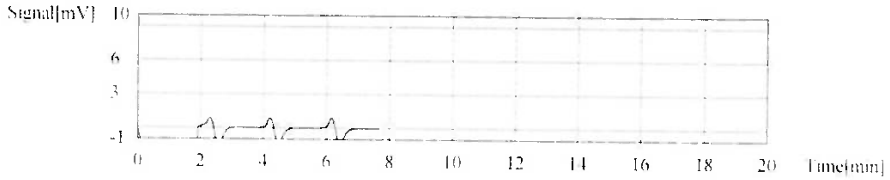
Type	Anal.	Result
Unknown	NPOC	NPOC 0.0370mg/L

1 Det

Anal. NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	0.8966	0.1517mg/L	100uL		g250923w1 2025 09 23 13 11 27 cal	10/17/2025 11:49:07 PM
2	0.000	0.000mg/L	100uL		g250923w1 2025 09 23 13 11 27 cal	10/17/2025 11:51:21 PM
3	0.000	0.000mg/L	100uL		g250923w1 2025 09 23 13 11 27 cal	10/17/2025 11:53:29 PM
4	0.000	0.000mg/L	100uL		g250923w1 2025 09 23 13 11 27 cal	10/17/2025 11:55:34 PM

Acid Add 0.000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 0.2242
SD Area 0.4483
CV Area 200.00%
No Washes 1



Sample

Sample Name JE21113-1
Sample ID drinking water
Origin TOC AQ met
Status Completed
Chk. Result

Type	Anal.	Result
Unknown	NPOC	NPOC 0.0161mg/L

1 Det

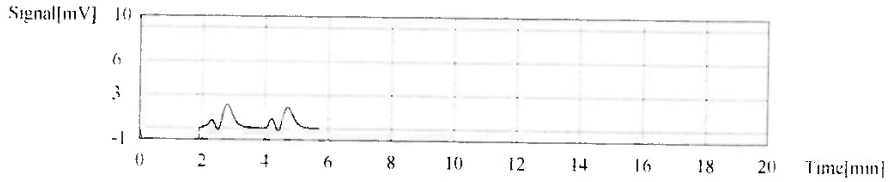
TOC-Control L Report

Chem
g251017w1.tlx

Anal: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	5.575	0.9436mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 12:11:40 AM
2	5.496	0.9302mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 12:13:53 AM
3	5.167	0.8745mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 12:15:58 AM

Acid Add. 0.000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 5.413
SD Area 0.2164
CV Area 4.00%
No Washes 1



Sample

Sample Name: GP64811-MB1
Sample ID: [toc]
Origin: TOCAQ.met
Status: Completed
Chk. Result:

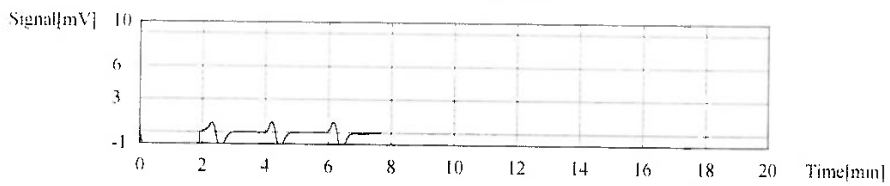
Type	Anal.	Result
Unknown	NPOC	NPOC: 0.000mg/L

1 Det

Anal. NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	2.192	0.3710mg/L	100uL	E	g250923w1 2025_09_23_13_11_27.cal	10/18/2025 12:32:09 AM
2	0.000	0.000mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 12:34:22 AM
3	0.000	0.000mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 12:36:30 AM
4	0.000	0.000mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 12:38:35 AM

Acid Add. 0.000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 0.000
SD Area 0.000
CV Area 0.00%
No Washes 1



Sample

Sample Name: GP64811-B1
Sample ID:
Origin: TOCAQ.met
Status: Completed
Chk. Result:

Type	Anal.	Result
Unknown	NPOC	NPOC: 10.61mg/L

TOC-Control L Report

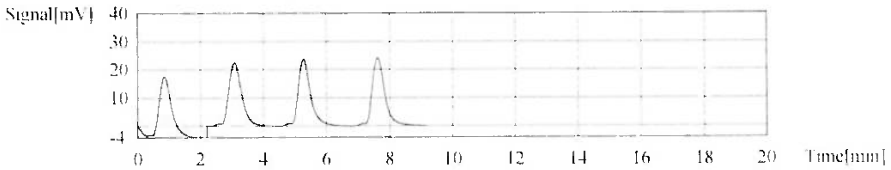
Chem
g251017w1.tlx

1 Det

Anal: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	55.97	9.473mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 12:54:59 AM
2	63.91	10.82mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 12:57:30 AM
3	65.06	11.01mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 1:00:06 AM
4	65.85	11.14mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 1:02:44 AM

Acid Add	0.000%
Sparge Gas Flow	80mL/min
Sp. Time	600.0sec
Mean Area	62.70
SD Area	4.555
CV Area	7.27%
No Washes	1



Sample

Sample Name	JE21106-1
Sample ID	
Origin	TOC'AQ met
Status	Completed
Chk. Result	

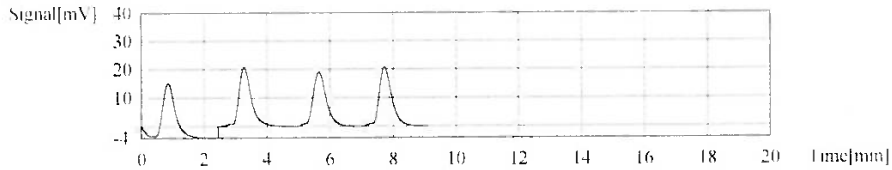
Type	Anal.	Result
Unknown	NPOC	NPOC: 9.471mg/L

1 Det

Anal: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	50.14	8.486mg/L	100uL	E	g250923w1 2025_09_23_13_11_27.cal	10/18/2025 1:19:23 AM
2	55.48	9.390mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 1:22:03 AM
3	55.48	9.390mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 1:24:20 AM
4	56.92	9.634mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 1:26:43 AM

Acid Add	0.000%
Sparge Gas Flow	80mL/min
Sp. Time	600.0sec
Mean Area	55.96
SD Area	0.8314
CV Area	1.49%
No Washes	1



Sample

Sample Name	GP64811-SI
Sample ID	JE21106-1
Origin	TOC'AQ met
Status	Completed
Chk. Result	

TOC-Control L Report

Chan
g251017w1.tlk

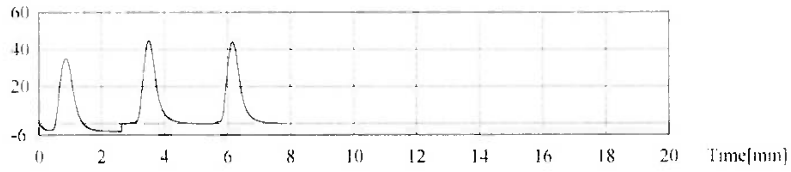
Type	Anal.	Result
Unknown	NPOC	NPOC 21.49mg/L

1 Det

Anal NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	119.9	20.29mg/L	100uL		g250923w1 2025/09/23 13:11:27 cal	10/18/2025 1:43:33 AM
2	131.6	22.27mg/L	100uL		g250923w1 2025/09/23 13:11:27 cal	10/18/2025 1:46:32 AM
3	129.8	21.92mg/L	100uL		g250923w1 2025/09/23 13:11:27 cal	10/18/2025 1:49:16 AM

Acid Add 0.000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 127.0
SD Area 6.238
CV Area 4.91%
No Washes 1



Sample

Sample Name: GP61811-MSD1
Sample ID: JE21106-1
Origin: TOCAQ met
Status: Completed
Chk. Result:

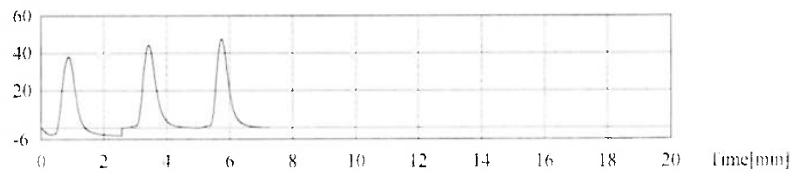
Type	Anal.	Result
Unknown	NPOC	NPOC 21.56mg/L

1 Det

Anal NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	124.0	20.69mg/L	100uL		g250923w1 2025/09/23 13:11:27 cal	10/18/2025 2:06:07 AM
2	128.9	21.82mg/L	100uL		g250923w1 2025/09/23 13:11:27 cal	10/18/2025 2:08:47 AM
3	129.2	21.87mg/L	100uL		g250923w1 2025/09/23 13:11:27 cal	10/18/2025 2:11:25 AM

Acid Add 0.000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 127.4
SD Area 2.919
CV Area 2.29%
No Washes 1



Sample

Sample Name: JE21194-1
Sample ID:
Origin: TOCAQ met
Status: Completed
Chk. Result:

TOC-Control L Report

Chem
g251017w1.tls

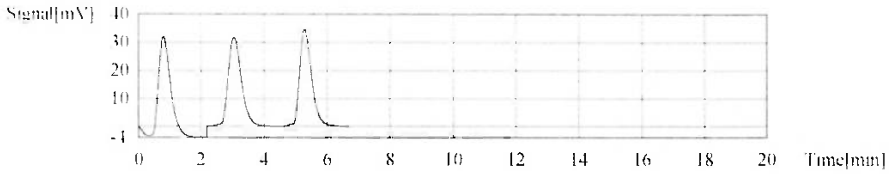
Type	Anal.	Result
Unknown	NPOC	NPOC 15.73mg/L

1 Det

Anal: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	93.89	15.89mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 2:27:53 AM
2	93.10	15.76mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 2:30:28 AM
3	92.90	15.73mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 2:32:53 AM

Acid Add 0.000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 92.96
SD Area 1.002
CV Area 1.08%
No Washes 1



Sample

Sample Name: CCV
Sample ID:
Origin: TOC AQ.met
Status: Completed
Chk. Result:

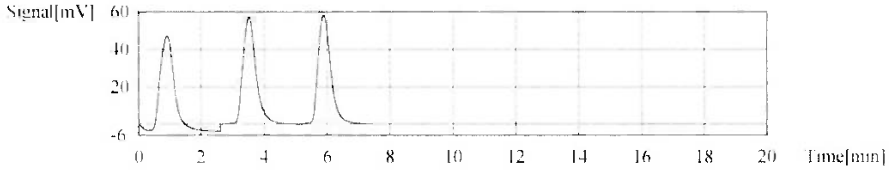
Type	Anal.	Result
Unknown	NPOC	NPOC 27.26mg/L

1 Det

Anal: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	156.6	26.50mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 2:49:46 AM
2	166.8	28.23mg/L	100uL	1	g250923w1 2025_09_23_13_11_27.cal	10/18/2025 2:52:20 AM
3	165.5	28.01mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 2:55:06 AM

Acid Add 0.000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 161.1
SD Area 6.293
CV Area 3.91%
No Washes 1



Sample

Sample Name: CCB
Sample ID:
Origin: TOCAQ.met
Status: Completed
Chk. Result:

TOC-Control L Report

Chem
g251017w1.0x

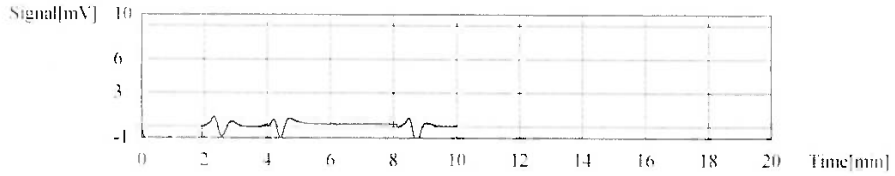
Type	Anal.	Result
Unknown	NPOC	NPOC 0.1568mg/L

1 Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	7.513	1.272mg/L	100uL	E	g250923w1.2025_09_23_13_11_27.cal	10/18/2025 3:11:19 AM
2	0.9699	0.1642mg/L	100uL		g250923w1.2025_09_23_13_11_27.cal	10/18/2025 3:13:32 AM
3	1.800	0.3062mg/L	100uL		g250923w1.2025_09_23_13_11_27.cal	10/18/2025 3:18:16 AM
4	0.000	0.000mg/L	100uL		g250923w1.2025_09_23_13_11_27.cal	10/18/2025 3:20:28 AM

Acid Add 0.000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 0.9263
SD Area 0.9053
CV Area 97.73%
No Washes 1



Sample

Sample Name JE20960-1
Sample ID
Origin TOC/AQ.met
Status Completed
Chk. Result

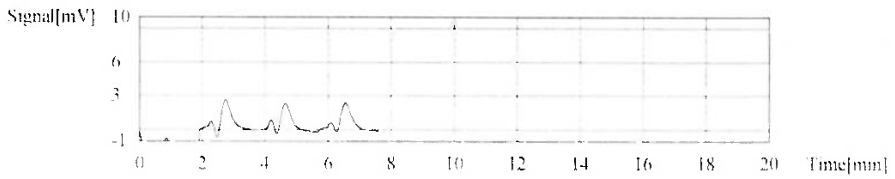
Type	Anal.	Result
Unknown	NPOC	NPOC 0.9608mg/L

1 Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	7.183	1.216mg/L	100uL	E	g250923w1.2025_09_23_13_11_27.cal	10/18/2025 3:36:35 AM
2	5.672	0.9600mg/L	100uL		g250923w1.2025_09_23_13_11_27.cal	10/18/2025 3:38:48 AM
3	5.722	0.9684mg/L	100uL		g250923w1.2025_09_23_13_11_27.cal	10/18/2025 3:40:53 AM
4	5.637	0.9540mg/L	100uL		g250923w1.2025_09_23_13_11_27.cal	10/18/2025 3:43:09 AM

Acid Add 0.000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 5.677
SD Area 0.04272
CV Area 0.753%
No Washes 1



Sample

TOC-Control L Report

Chem
g251017w1.tlx

Sample Name JF20960-2
Sample ID
Origin TOC AQ met
Status Completed
Chk. Result

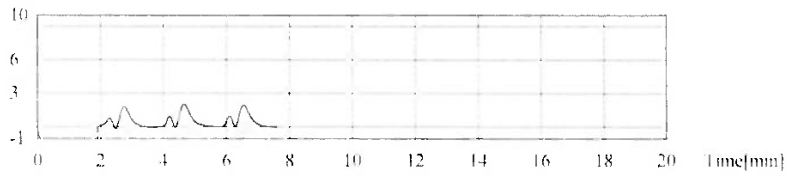
Type	Anal.	Result
Unknown	NPOC	NPOC 0.0943mg/L

1 Det

Anal. NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	6.314	1.069mg/L	100ul		g250923w1_2025_09_23_13_11_27.cal	10/18/2025 3:59:16 AM
2	4.774	0.8080mg/L	100ul	E	g250923w1_2025_09_23_13_11_27.cal	10/18/2025 4:01:30 AM
3	5.647	0.9557mg/L	100ul		g250923w1_2025_09_23_13_11_27.cal	10/18/2025 4:03:35 AM
4	5.663	0.9584mg/L	100ul		g250923w1_2025_09_23_13_11_27.cal	10/18/2025 4:05:40 AM

Acid Add. 0.000%
Sparge Gas Flow 80ml/min
Sp. Time 600.0sec
Mean Area 5.875
SD Area 0.3836
CV Area 6.48%
No Washes 1



Sample

Sample Name JE21153-8
Sample ID field blank
Origin TOC AQ met
Status Completed
Chk. Result

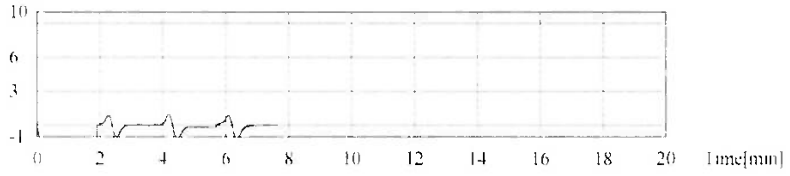
Type	Anal.	Result
Unknown	NPOC	NPOC 0.000mg/L

1 Det

Anal. NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	0.6139	0.1039mg/L	100ul	E	g250923w1_2025_09_23_13_11_27.cal	10/18/2025 4:21:47 AM
2	0.000	0.000mg/L	100ul		g250923w1_2025_09_23_13_11_27.cal	10/18/2025 4:24:00 AM
3	0.000	0.000mg/L	100ul		g250923w1_2025_09_23_13_11_27.cal	10/18/2025 4:26:08 AM
4	0.000	0.000mg/L	100ul		g250923w1_2025_09_23_13_11_27.cal	10/18/2025 4:28:23 AM

Acid Add 0.000%
Sparge Gas Flow 80ml/min
Sp. Time 600.0sec
Mean Area 0.000
SD Area 0.000
CV Area 0.000%
No Washes 1



TOC-Control L Report

Chem
g251017w1.tlx

Sample

Sample Name JE21264-1
Sample ID
Origin TOC.AQ.met
Status Completed
Chk. Result

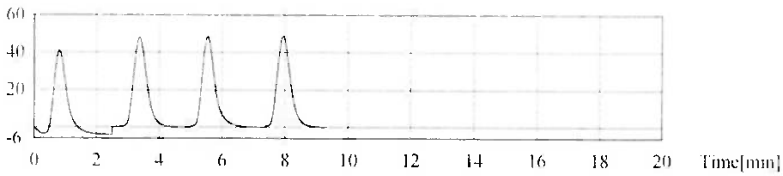
Type	Anal.	Result
Unknown	NPOC	NPOC 23.91mg/L

1 Det

Anal. : NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	127.0	21.40mg/L	100uL	E	g250923w1 2025_09_23_13_11_27.cal	10/18/2025 4:45:06 AM
2	141.2	23.90mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 4:47:38 AM
3	139.1	23.54mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 4:50:12 AM
4	143.5	24.20mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 4:52:38 AM

Acid Add 0.000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 141.3
SD Area 2.201
CV Area 1.56%
No Washes 1



Sample

Sample Name JE21264-2
Sample ID
Origin TOC.AQ.met
Status Completed
Chk. Result

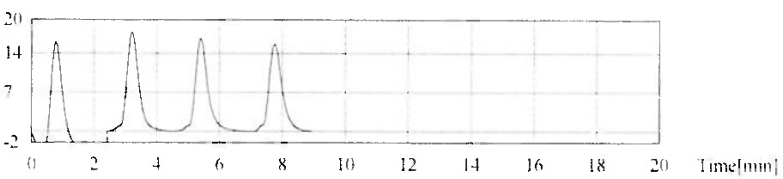
Type	Anal.	Result
Unknown	NPOC	NPOC 7.882mg/L

1 Det

Anal. : NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	52.50	8.001mg/L	100uL	E	g250923w1 2025_09_23_13_11_27.cal	10/18/2025 5:09:16 AM
2	46.70	7.910mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 5:11:48 AM
3	46.60	7.887mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 5:14:24 AM
4	46.33	7.841mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 5:16:56 AM

Acid Add. 0.000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 46.57
SD Area 0.2312
CV Area 0.50%
No Washes 1



TOC-Control L Report

Chem
g251017w1.tlx

Sample

Sample Name: JE21264-3
Sample ID:
Origin: TOC/AQ met
Status: Completed
Chk. Result:

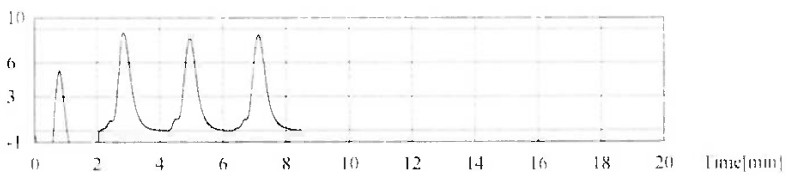
Type	Anal.	Result
Unknown	NPOC	NPOC 4.248mg/L

1 Det

Anal. NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	22.10	3.989mg/L	100uL	E	g250923w1 2025-09-23 13-11-27.cal	10/18/2025 5:32:52 AM
2	24.90	4.214mg/L	100uL		g250923w1 2025-09-23 13-11-27.cal	10/18/2025 5:35:15 AM
3	24.09	4.179mg/L	100uL		g250923w1 2025-09-23 13-11-27.cal	10/18/2025 5:37:30 AM
4	25.70	4.350mg/L	100uL		g250923w1 2025-09-23 13-11-27.cal	10/18/2025 5:40:08 AM

Acid Add: 0.000%
Sparge Gas Flow: 80mL/min
Sp. Time: 600.0sec
Mean Area: 25.10
SD Area: 0.5329
CV Area: 2.12%
No Washes: 1



Sample

Sample Name: GP648110-MB1
Sample ID: [toc]
Origin: TOC/AQ met
Status: Completed
Chk. Result:

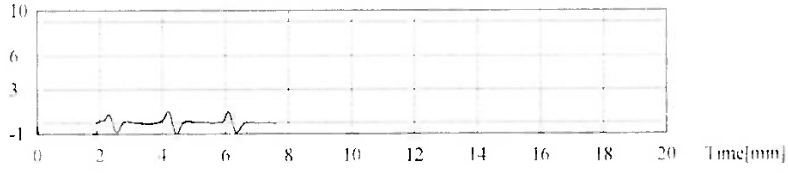
Type	Anal.	Result
Unknown	NPOC	NPOC 0.002603mg/L

1 Det

Anal. NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	2.386	0.4038mg/L	100uL	E	g250923w1 2025-09-23 13-11-27.cal	10/18/2025 5:56:15 AM
2	0.000	0.000mg/L	100uL		g250923w1 2025-09-23 13-11-27.cal	10/18/2025 5:58:33 AM
3	0.04710	0.00797mg/L	100uL		g250923w1 2025-09-23 13-11-27.cal	10/18/2025 6:00:43 AM
4	0.000	0.000mg/L	100uL		g250923w1 2025-09-23 13-11-27.cal	10/18/2025 6:02:48 AM

Acid Add: 0.000%
Sparge Gas Flow: 80mL/min
Sp. Time: 600.0sec
Mean Area: 0.01570
SD Area: 0.02719
CV Area: 173.21%
No Washes: 1



TOC-Control L Report

Chem
g251017w1.tlx

Sample

Sample Name: GP6481I-B1
Sample ID:
Origin: TOC'AQ met
Status Completed
Chk. Result

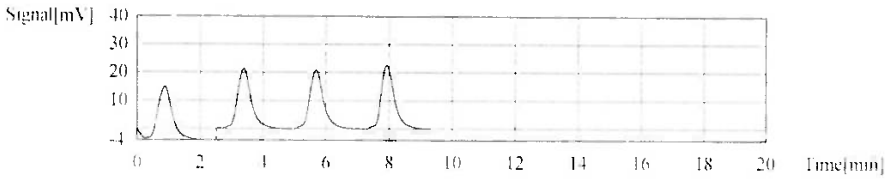
Type	Anal.	Result
Unknown	NPOC	NPOC 10.61mg/L

1 Det

Anal. NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	55.08	9.474mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 6:19:32 AM
2	63.60	10.70mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 6:22:14 AM
3	64.46	10.91mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 6:24:56 AM
4	66.75	11.30mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 6:27:00 AM

Acid Add 0.000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 62.70
SD Area 4.67
CV Area 7.45%
No Washes 1



Sample

Sample Name: JF21034-1
Sample ID
Origin: TOC'AQ met
Status Completed
Chk. Result

Type	Anal.	Result
Unknown	NPOC	NPOC 2.228mg/L

1 Det

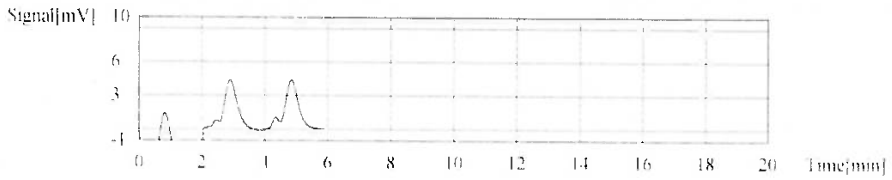
Anal. NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	12.90	2.183mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 6:43:22 AM
2	12.94	2.190mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 6:45:39 AM
3	13.66	2.312mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 6:47:50 AM

TOC-Control L Report

Chem
g251017w1.tlx

Acid Add	0.000%
Sparge Gas Flow	80mL/min
Sp. Time	600.0sec
Mean Area	13.17
SD Area	0.4277
CV Area	3.25%
No Washes	1



Sample

Sample Name	GP64841-ST
Sample ID	IE21034-1
Origin	TOCAQ.met
Status	Completed
Chk. Result	

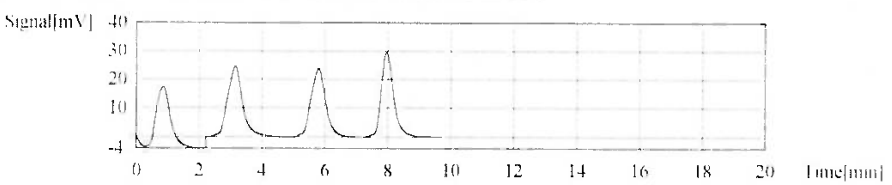
Type	Anal.	Result
Unknown	NPOC	NPOC 13.43mg/L

1 Det

Anal. NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	64.48	10.91mg/L	100uL	E	g250923w1_2025_09_23_13_11_27.cal	10/18/2025 7:04:22 AM
2	80.01	13.54mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/18/2025 7:07:18 AM
3	77.69	13.13mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/18/2025 7:09:48 AM
4	80.47	13.60mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/18/2025 7:12:31 AM

Acid Add	0.000%
Sparge Gas Flow	80mL/min
Sp. Time	600.0sec
Mean Area	79.33
SD Area	1.506
CV Area	1.90%
No Washes	1



Sample

Sample Name	CCVA
Sample ID	
Origin	TOCAQ.met
Status	Completed
Chk. Result	

Type	Anal.	Result
Unknown	NPOC	NPOC 53.54mg/L

1 Det

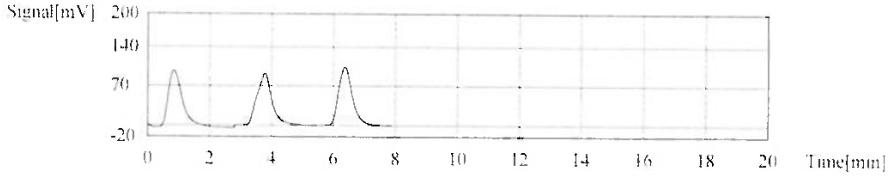
Anal. NPOC

TOC-Control L Report

Chem
g251017w1.tlx

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	320.8	54.50mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 7:29:32 AM
2	303.6	51.72mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 7:32:57 AM
3	322.7	54.62mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 7:36:18 AM

Acid Add. 0.000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 316.4
SD Area 9.372
CV Area 2.96%
No Washes 1



Sample

Sample Name CCB
Sample ID
Origin TOCAQ met
Status Completed
Chk. Result

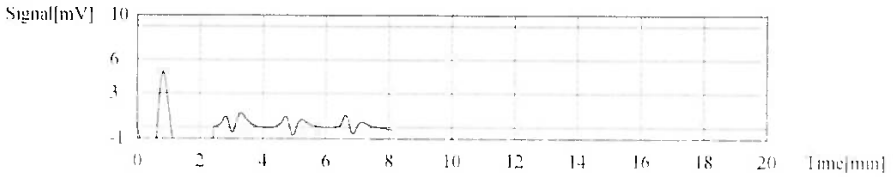
Type	Anal.	Result
Unknown	NPOC	NPOC 0.4563mg/L

1 Det

Anal. NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	23.70	3.678mg/L	100uL	1	g250923w1 2025_09_23_13_11_27.cal	10/18/2025 7:52:01 AM
2	3.774	0.6387mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 7:54:14 AM
3	1.955	0.3309mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 7:56:28 AM
4	2.360	0.3994mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 7:58:35 AM

Acid Add. 0.000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 2.696
SD Area 0.9550
CV Area 35.42%
No Washes 1



Sample

Sample Name GP64841-MSD1
Sample ID JE21034-1
Origin TOCAQ met
Status Completed
Chk. Result

Type	Anal.	Result
Unknown	NPOC	NPOC 13.15mg/L

1 Det

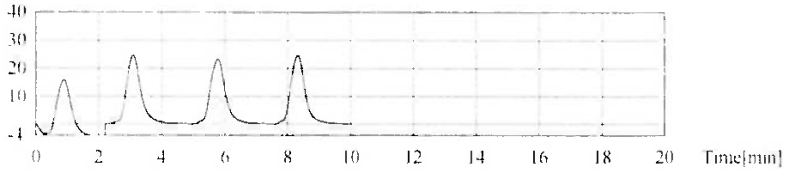
TOC-Control L Report

Chem
g251017w1.tlx

Anal: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	69.23	10.19mg/L	100uL	E	g250923w1 2025_09_23_13_11_27.cal	10/18/2025 8:15:00 AM
2	78.72	14.32mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 8:17:30 AM
3	76.83	13.63mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 8:20:47 AM
4	77.84	13.82mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 8:25:35 AM

Acid Add: 0.0000%
Sparge Gas Flow: 80mL/min
Sp. Time: 600.0sec
Mean Area: 77.70
SD Area: 0.9847
CV Area: 1.27%
No Washes: 1



Sample

Sample Name: JE21034-6
Sample ID:
Origin: TOC AQ met
Status: Completed
Chk. Result:

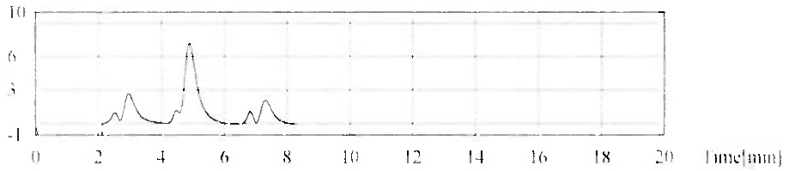
Type	Anal.	Result
Unknown	NPOC	NPOC=1.285mg/L

1 Det

Anal: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	7.690	1.302mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 8:39:55 AM
2	8.158	1.381mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 8:42:12 AM
3	21.86	3.703mg/L	100uL	E	g250923w1 2025_09_23_13_11_27.cal	10/18/2025 8:44:45 AM
4	6.931	1.173mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 8:46:54 AM

Acid Add: 0.0000%
Sparge Gas Flow: 80mL/min
Sp. Time: 600.0sec
Mean Area: 7.893
SD Area: 0.6192
CV Area: 8.16%
No Washes: 1



Sample

Sample Name: JE21291-1
Sample ID:
Origin: TOC AQ met
Status: Completed
Chk. Result:

Type	Anal.	Result
Unknown	NPOC	NPOC=453.2mg/L

TOC-Control L Report

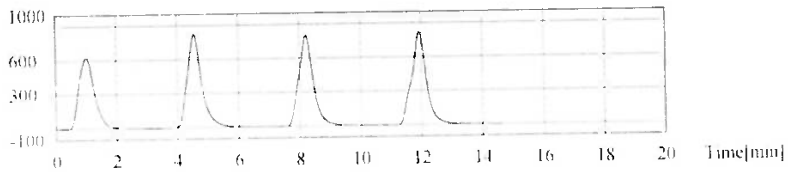
Chem
g251017w1.tlx

1 Det

Anal: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	2234	378.1mg/L	100uL	E	g250923w1 2025_09_23_13_11_27.cal	10/18/2025 9:04:30 AM
2	2654	449.2mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 9:08:45 AM
3	2652	448.8mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 9:12:42 AM
4	2727	461.5mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 9:16:59 AM

Acid Add 0.000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 2678
SD Area 12.71
CV Area 1.60%
No Washes 1



Sample

Sample Name: JB-21291-2
Sample ID:
Origin: TOC/TQ.met
Status: Completed
Chk. Result:

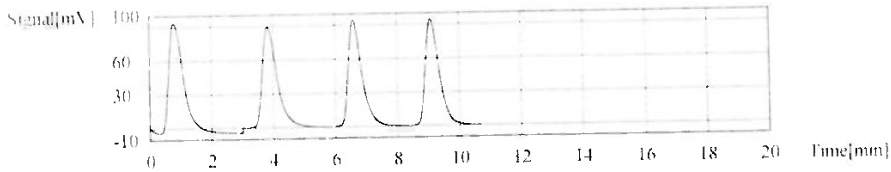
Type	Anal.	Result
Unknown	NPOC	NPOC: 40.19mg/L

1 Det

Anal: NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	3202	541.9mg/L	100uL	E	g250923w1 2025_09_23_13_11_27.cal	10/18/2025 9:34:12 AM
2	2957	500.5mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 9:37:24 AM
3	2872	486.1mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 9:40:03 AM
4	2801	474.0mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 9:42:40 AM

Acid Add 0.000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 2900.7
SD Area 4.461
CV Area 1.53%
No Washes 1



Sample

Sample Name: JB21291-3
Sample ID: field blank
Origin: TOC/TQ.met
Status: Completed
Chk. Result:

TOC-Control L Report

Chem
g251017w1.tlx

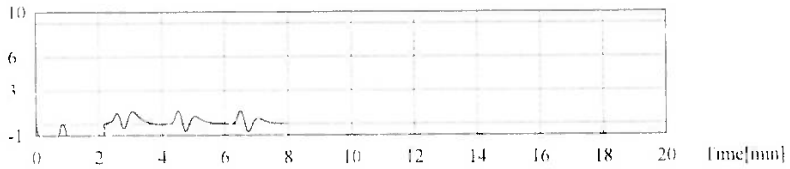
Type	Anal.	Result
Unknown	NPOC	NPOC 0.4500mg/L

1 Det

Anal. NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	0.745	1.649mg/L	100uL	E	g250923w1 2025_09_23_13_11_27.cal	10/18/2025 9:59:03 AM
2	3.609	0.618mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 10:01:22 AM
3	2.491	0.422mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 10:03:32 AM
4	1.884	0.319mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 10:05:37 AM

Acid Add	0.000%
Sparge Gas Flow	80mL/min
Sp. Time	600.0sec
Mean Area	2.662
SD Area	0.8747
CV Area	32.86%
No Washes	1



Sample

Sample Name	JE21293-2
Sample ID	
Origin	TOCAQ.met
Status	Completed
Chk. Result	

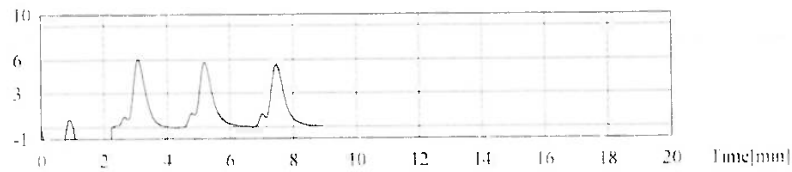
Type	Anal.	Result
Unknown	NPOC	NPOC 3.029mg/L

1 Det

Anal. NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	12.03	2.036mg/L	100uL	E	g250923w1 2025_09_23_13_11_27.cal	10/18/2025 10:22:04 AM
2	17.34	2.934mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 10:24:36 AM
3	18.31	3.100mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 10:27:04 AM
4	18.04	3.053mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/18/2025 10:29:34 AM

Acid Add	0.000%
Sparge Gas Flow	80mL/min
Sp. Time	600.0sec
Mean Area	17.90
SD Area	0.8006
CV Area	2.80%
No Washes	1



Sample

TOC-Control L Report

Chem
g251017w1.tlx

Sample Name: CCV
Sample ID:
Origin: TOC_AQ.met
Status: Completed
Chk. Result:

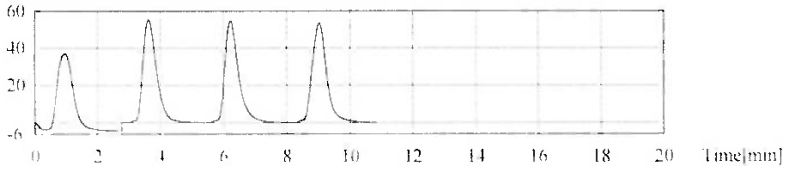
Type	Anal.	Result
Unknown	NPOC	NPOC 27.22mg/L

1 Det

Anal. NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	1411.0	27.80mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/18/2025 10:36:33 AM
2	1663	28.15mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/18/2025 10:40:28 AM
3	1653	27.98mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/18/2025 10:52:25 AM
4	1708	28.91mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/18/2025 10:55:20 AM

Acid Add: 0.000%
Sparge Gas Flow: 80mL/min
Sp. Time: 600.0sec
Mean Area: 1660.9
SD Area: 13.45
CV Area: 8.36%
No Washes: 1



Sample

Sample Name: CCB
Sample ID:
Origin: TOC_AQ.met
Status: Completed
Chk. Result:

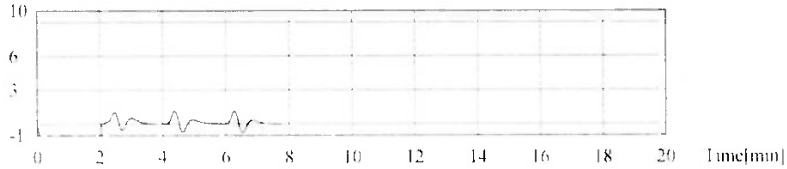
Type	Anal.	Result
Unknown	NPOC	NPOC 0.2439mg/L

1 Det

Anal. NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	6.500	1.115mg/L	100uL	E	g250923w1_2025_09_23_13_11_27.cal	10/18/2025 11:11:37 AM
2	1.884	0.318mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/18/2025 11:13:50 AM
3	1.380	0.233mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/18/2025 11:15:55 AM
4	1.060	0.179mg/L	100uL		g250923w1_2025_09_23_13_11_27.cal	10/18/2025 11:18:00 AM

Acid Add: 0.000%
Sparge Gas Flow: 80mL/min
Sp. Time: 600.0sec
Mean Area: 1.441
SD Area: 0.415
CV Area: 28.82%
No Washes: 1



TOC-Control L Report

Chem
g251017w1.tlx

Sample

Sample Name SPARGERCHK
Sample ID
Origin TOC/AQ met
Status Completed
Chk. Result

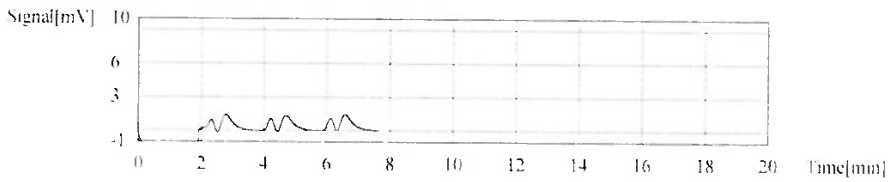
Type	Anal.	Result
Unknown	NPOC	NPOC 0.7392mg/L

1 Det

Anal. NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	3.790	0.6414mg/L	100uL		g250923w1 2025-09-23 13-11-27.cal	10/18/2025 11:34:07 AM
2	4.283	0.7249mg/L	100uL		g250923w1 2025-09-23 13-11-27.cal	10/18/2025 11:36:24 AM
3	4.504	0.7623mg/L	100uL		g250923w1 2025-09-23 13-11-27.cal	10/18/2025 11:38:29 AM
4	4.894	0.8283mg/L	100uL		g250923w1 2025-09-23 13-11-27.cal	10/18/2025 11:40:36 AM

Acid Add 0.000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 4.368
SD Area 0.4606
CV Area 10.55%
No Washes 1



Sample

Sample Name CCVA
Sample ID 0.75mg/L
Origin TOC/AQ met
Status Completed
Chk. Result

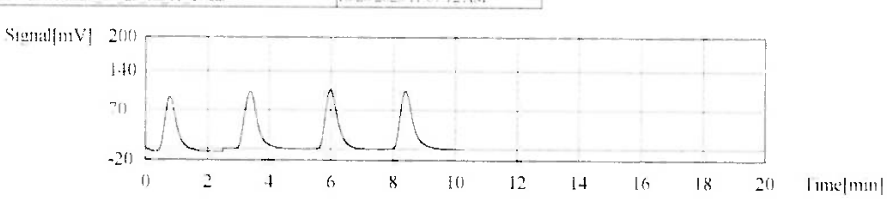
Type	Anal.	Result
Unknown	NPOC	NPOC 50.75mg/L

1 Det

Anal. NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	258.4	43.73mg/L	100uL	1	g250923w1 2025-09-23 13-11-27.cal	10/20/2025 10:58:35 AM
2	298.6	50.54mg/L	100uL		g250923w1 2025-09-23 13-11-27.cal	10/21/2025 11:01:35 AM
3	296.4	50.16mg/L	100uL		g250923w1 2025-09-23 13-11-27.cal	10/20/2025 11:04:15 AM
4	304.6	51.55mg/L	100uL		g250923w1 2025-09-23 13-11-27.cal	10/20/2025 11:07:12 AM

Acid Add 0.000%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 299.0
SD Area 4.241
CV Area 1.420%
No Washes 1



15.4
15

TOC-Control L Report

Chem
g251017w1.tlx

Sample

Sample Name: CCB
Sample ID:
Origin: TOC'AQ met
Status: Completed
Chk. Result:

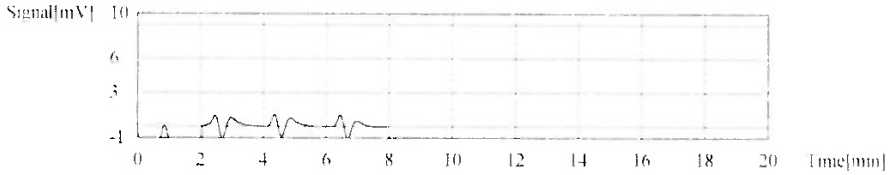
Type	Anal.	Result
Unknown	NPOC	NPOC 0.2283mg/L

1 Det

Anal. NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	11.37	1.924mg/L	300uL	E	g250923w1.2025_09_23_13_11_27.cal	10/20/2025 11:23:28 AM
2	1.313	0.2222mg/L	100uL		g250923w1.2025_09_23_13_11_27.cal	10/20/2025 11:25:41 AM
3	1.736	0.2938mg/L	100uL		g250923w1.2025_09_23_13_11_27.cal	10/20/2025 11:27:58 AM
4	0.9081	0.1538mg/L	100uL		g250923w1.2025_09_23_13_11_27.cal	10/20/2025 11:30:02 AM

Acid Add 0.0009%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 1.340
SD Area 0.3703
CV Area 27.45%
No Washes 1



Sample

Sample Name: JE21291-1
Sample ID:
Origin: TOC'AQ met
Status: Completed
Chk. Result:

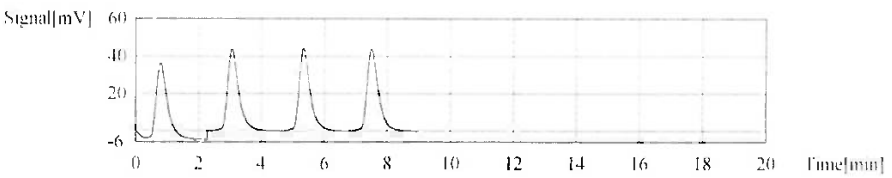
Type	Anal.	Result
Unknown	NPOC	NPOC 3.570mg/L

1 Det

Anal. NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	97.41	329.7mg/L	100uL	E	g250923w1.2025_09_23_13_11_27.cal	10/20/2025 11:46:31 AM
2	108.1	365.8mg/L	100uL		g250923w1.2025_09_23_13_11_27.cal	10/20/2025 11:49:07 AM
3	106.8	361.2mg/L	100uL		g250923w1.2025_09_23_13_11_27.cal	10/20/2025 11:51:27 AM
4	110.4	373.5mg/L	100uL		g250923w1.2025_09_23_13_11_27.cal	10/20/2025 11:53:38 AM

Acid Add 0.0009%
Sparge Gas Flow 80mL/min
Sp. Time 600.0sec
Mean Area 108.4
SD Area 1.823
CV Area 1.68%
No Washes 1



15.4
15

TOC-Control L Report

Chem
g251017w1.tlx

Sample

Sample Name CCV
Sample ID
Origin TOC'AQ met
Status Completed
Chk. Result

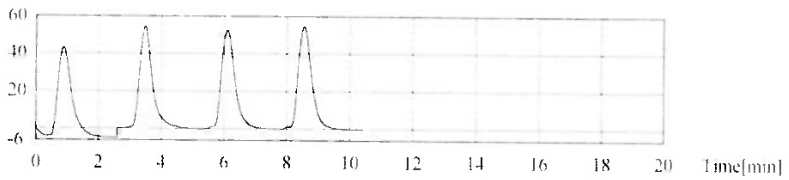
Type	Anal.	Result
Unknown	NPOC	NPOC 26.84mg/L

1 Det

Anal. NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	141.4	23.93mg/L	100uL	F	g250923w1 2025_09_23_13_11_27.cal	10/20/2025 12:10:47 PM
2	155.7	26.35mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/20/2025 12:13:47 PM
3	155.5	26.66mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/20/2025 12:16:24 PM
4	162.6	27.53mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/20/2025 12:19:21 PM

Acid Add. 0.0000%
Sparge Gas Flow 80ml/min
Sp. Time 600.0sec
Mean Area 158.6
SD Area 3.570
CV Area 2.26%
No Washes 1



Sample

Sample Name CCB
Sample ID
Origin TOC'AQ met
Status Completed
Chk. Result

Type	Anal.	Result
Unknown	NPOC	NPOC 0.06587mg/L

1 Det

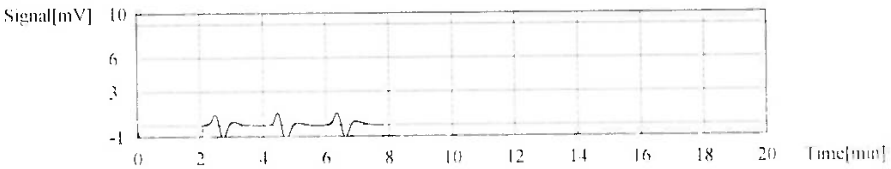
Anal. NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	7.560	1.281mg/L	100uL	F	g250923w1 2025_09_23_13_11_27.cal	10/20/2025 12:35:39 PM
2	0.4045	0.0684mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/20/2025 12:37:57 PM
3	0.000	0.000mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/20/2025 12:40:03 PM
4	0.763	0.1292mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/20/2025 12:42:12 PM

TOC-Control L Report

Chem
g251017w1.tlX

Acid Add.	0.000%
Sparge Gas Flow	80mL/min
Sp. Time	600.0sec
Mean Area	0.3892
SD Area	0.3818
CV Area	98.09%
No Washes	1



Sample

Sample Name:	SPARGERCHK
Sample ID:	
Origin:	TOCAQ.met
Status	Completed
Chk. Result	

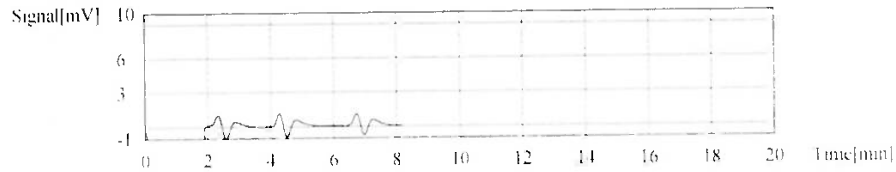
Type	Anal.	Result
Unknown	NPOC	NPOC 0.2622mg/L

1 Det

Anal. NPOC

No.	Area	Conc.	Inj. Vol.	Ex.	Cal. Curve	Date / Time
1	3.503	0.5020mg/L	100uL	E	g250923w1 2025_09_23_13_11_27.cal	10/20/2025 12:58:20 PM
2	1.022	0.1730mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/20/2025 1:00:35 PM
3	1.638	0.2772mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/20/2025 1:03:14 PM
4	1.988	0.3365mg/L	100uL		g250923w1 2025_09_23_13_11_27.cal	10/20/2025 1:05:24 PM

Acid Add.	0.000%
Sparge Gas Flow	80mL/min
Sp. Time	600.0sec
Mean Area	1.549
SD Area	0.4891
CV Area	31.57%
No Washes	1



LABORATORY REVIEW SIGNATURE FORM
(To be stored with the raw data)

File ID: D25102301.TXT Date Analyzed: 10/13/25 Methods: EPA 300/SW846 9056A
Analyst: SS Run ID: GN75181

The following analyst(s) have reviewd this run and attest that, to the best of their knowledge, this documentation is complete and correct:

Analyst: SS Date 10/24/25

Analyst: _____ Date _____

Analyst: _____ Date _____

Analyst: _____ Date _____

Analyst: _____ Date _____

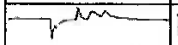
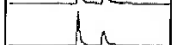
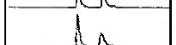
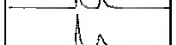
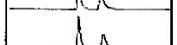
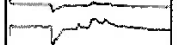
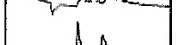
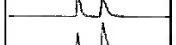
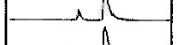
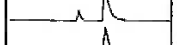
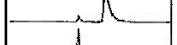
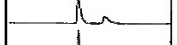
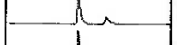
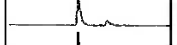
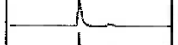
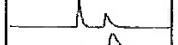
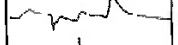
Analyst: _____ Date _____

Analyst: _____ Date _____

The following supervisor or their designee has reviewed this run and attests that, to the best of their knowledge, this documentation is complete and correct:

Supervisor (or designee): _____ Date _____

Sequence: D25102301
Last Update Operator: Chemistry

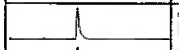
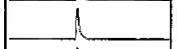
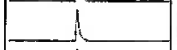
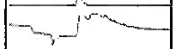
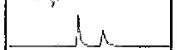
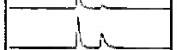
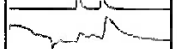
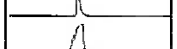
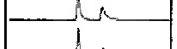
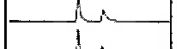
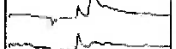
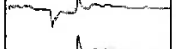
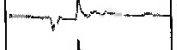
CD	Name	Type	Position	Dilution	Comment	Level	Volume	Status	Inject Time	Instrument Method
	STDA 3	Calibration Standard	44	1.0000		1	5000	Finished	10/13/2025 10:28:11 AM -04:00	Anions_012919
	STDC	Calibration Standard	45	1.0000		3	5000	Finished	10/13/2025 10:41:06 AM -04:00	Anions_012919
	STDD	Calibration Standard	46	1.0000		4	5000	Finished	10/13/2025 10:54:01 AM -04:00	Anions_012919
	STDE	Calibration Standard	47	1.0000		5	5000	Finished	10/13/2025 11:06:56 AM -04:00	Anions_012919
	STDF	Calibration Standard	48	1.0000		6	5000	Finished	10/13/2025 11:19:52 AM -04:00	Anions_012919
	STDG	Calibration Standard	49	1.0000		7	5000	Finished	10/13/2025 11:32:48 AM -04:00	Anions_012919
	ICV	Unknown	50	1.0000			5000	Finished	10/13/2025 11:45:43 AM -04:00	Anions_012919
	washconf	Unknown	1	1.0000			5000	Finished	10/23/2025 9:45:31 AM -04:00	Anions_012919
	washconf	Unknown	2	1.0000			5000	Finished	10/23/2025 9:58:00 AM -04:00	Anions_012919
	washconf	Unknown	3	1.0000			5000	Finished	10/23/2025 10:10:55 AM -04:00	Anions_012919
	CCV	Unknown	4	1.0000			5000	Finished	10/23/2025 10:23:50 AM -04:00	Anions_012919
	CCB	Unknown	5	1.0000			5000	Finished	10/23/2025 10:36:46 AM -04:00	Anions_012919
	JE21566-1	Unknown	6	7.0000			5000	Finished	10/23/2025 10:49:41 AM -04:00	Anions_012919
	JE21566-4	Unknown	7	4.0000			5000	Finished	10/23/2025 11:02:38 AM -04:00	Anions_012919
	JE21529-3	Unknown	8	3.0000			5000	Finished	10/23/2025 11:15:33 AM -04:00	Anions_012919
	GP64953-S1	Unknown	9	9.0000			5000	Finished	10/23/2025 11:28:28 AM -04:00	Anions_012919
	GP64953-MSD1	Unknown	10	9.0000			5000	Finished	10/23/2025 11:41:23 AM -04:00	Anions_012919
	JE21582-2	Unknown	11	9.0000			5000	Finished	10/23/2025 11:54:18 AM -04:00	Anions_012919
	JE21582-3	Unknown	12	4.0000			5000	Finished	10/23/2025 12:07:15 PM -04:00	Anions_012919
	JE21567-1	Unknown	13	2.0000			5000	Finished	10/23/2025 12:20:10 PM -04:00	Anions_012919
	JE21570-1	Unknown	14	3.0000			5000	Finished	10/23/2025 12:33:05 PM -04:00	Anions_012919
	JE21570-3	Unknown	15	22.0000			5000	Finished	10/23/2025 12:46:01 PM -04:00	Anions_012919
	CCV	Unknown	16	1.0000			5000	Finished	10/23/2025 12:58:57 PM -04:00	Anions_012919
	CCB	Unknown	17	1.0000			5000	Finished	10/23/2025 1:11:52 PM -04:00	Anions_012919
	JE21271-1	Unknown	18	2.0000			5000	Finished	10/23/2025 1:24:47 PM -04:00	Anions_012919

Sequence: D25102301
Last Update Operator: Chemistry

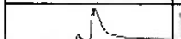
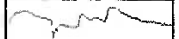
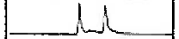
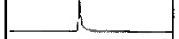
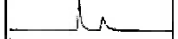
	JE21271-2	Unknown	19	2.0000			5000	Finished	10/23/2025 1:37:43 PM -04:00	Anions_012919

CD	Name	Type	Position	Dilution	Comment	Level	Volume	Status	Inject Time	Instrument Method
	JE21271-5	Unknown	20	2.0000			5000	Finished	10/23/2025 1:50:39 PM -04:00	Anions_012919
	GP64981-MB1	Unknown	21	1.0000			5000	Finished	10/23/2025 2:03:36 PM -04:00	Anions_012919
	GP64981-B1	Unknown	22	1.0000			5000	Finished	10/23/2025 2:16:31 PM -04:00	Anions_012919
	GP64981-S1	Unknown	23	1.0000			5000	Finished	10/23/2025 2:29:27 PM -04:00	Anions_012919
	GP64981-MSD1	Unknown	24	1.0000			5000	Finished	10/23/2025 2:42:23 PM -04:00	Anions_012919
	JE21662-1	Unknown	25	1.0000			5000	Finished	10/23/2025 2:55:18 PM -04:00	Anions_012919
	JE21271-8	Unknown	26	1.0000			5000	Finished	10/23/2025 3:08:14 PM -04:00	Anions_012919
	JE21271-9	Unknown	27	1.0000			5000	Finished	10/23/2025 3:21:10 PM -04:00	Anions_012919
	CCV	Unknown	28	1.0000			5000	Finished	10/23/2025 3:34:05 PM -04:00	Anions_012919
	CCB	Unknown	29	1.0000			5000	Finished	10/23/2025 3:47:02 PM -04:00	Anions_012919
	JE21271-10	Unknown	30	1.0000			5000	Finished	10/23/2025 3:59:57 PM -04:00	Anions_012919
	JE21271-11	Unknown	31	1.0000			5000	Finished	10/23/2025 4:12:53 PM -04:00	Anions_012919
	JE21606-3	Unknown	32	1.0000			5000	Finished	10/23/2025 4:25:48 PM -04:00	Anions_012919
	JE21208-1	Unknown	33	1.0000			5000	Finished	10/23/2025 4:38:44 PM -04:00	Anions_012919
	JE21606-1	Unknown	34	5.0000			5000	Finished	10/23/2025 4:51:39 PM -04:00	Anions_012919
	JE21606-2	Unknown	35	5.0000			5000	Finished	10/23/2025 5:04:36 PM -04:00	Anions_012919
	JE21662-2	Unknown	36	1.0000			5000	Finished	10/23/2025 5:17:32 PM -04:00	Anions_012919
	JE21685-1	Unknown	37	1.0000			5000	Finished	10/23/2025 5:30:28 PM -04:00	Anions_012919
	JE21685-3	Unknown	38	1.0000			5000	Finished	10/23/2025 5:43:23 PM -04:00	Anions_012919
	JE21685-5	Unknown	39	1.0000			5000	Finished	10/23/2025 5:56:19 PM -04:00	Anions_012919
	CCV	Unknown	40	1.0000			5000	Finished	10/23/2025 6:09:14 PM -04:00	Anions_012919
	CCB	Unknown	41	1.0000			5000	Finished	10/23/2025 6:22:09 PM -04:00	Anions_012919
	JE21685-7	Unknown	42	1.0000			5000	Finished	10/23/2025 6:35:05 PM -04:00	Anions_012919
	JE21194-1	Unknown	43	1.0000			5000	Finished	10/23/2025 6:48:01 PM -04:00	Anions_012919
	JE21704-1	Unknown	44	1.0000			5000	Finished	10/23/2025 7:00:56 PM -04:00	Anions_012919

Sequence: D25102301
Last Update Operator: Chemistry

CD	Name	Type	Position	Dilution	Comment	Level	Volume	Status	Inject Time	Instrument Method
	JE21704-2	Unknown	45	1.0000			5000	Finished	10/23/2025 7:13:52 PM -04:00	Anions_012919
	JE21704-3	Unknown	46	1.0000			5000	Finished	10/23/2025 7:26:47 PM -04:00	Anions_012919
	JE21704-4	Unknown	47	1.0000			5000	Finished	10/23/2025 7:39:42 PM -04:00	Anions_012919
	JE21704-5	Unknown	48	1.0000			5000	Finished	10/23/2025 7:52:38 PM -04:00	Anions_012919
	GP64982-MB1	Unknown	49	1.0000			5000	Finished	10/23/2025 8:05:33 PM -04:00	Anions_012919
	GP64982-B1	Unknown	50	1.0000			5000	Finished	10/23/2025 8:18:28 PM -04:00	Anions_012919
	GP64982-S1	Unknown	1	1.0000			5000	Finished	10/23/2025 10:28:44 PM -04:00	Anions_012919
	CCV	Unknown	2	1.0000			5000	Finished	10/23/2025 10:41:05 PM -04:00	Anions_012919
	CCB	Unknown	3	1.0000			5000	Finished	10/23/2025 10:54:02 PM -04:00	Anions_012919
	GP64982-MSD1	Unknown	4	1.0000			5000	Finished	10/23/2025 11:06:57 PM -04:00	Anions_012919
	JE21704-8	Unknown	5	1.0000			5000	Finished	10/23/2025 11:19:52 PM -04:00	Anions_012919
	JE21704-6	Unknown	6	1.0000			5000	Finished	10/23/2025 11:32:47 PM -04:00	Anions_012919
	JE21704-7	Unknown	7	1.0000			5000	Finished	10/23/2025 11:45:43 PM -04:00	Anions_012919
	JE21704-9	Unknown	8	1.0000			5000	Finished	10/23/2025 11:58:38 PM -04:00	Anions_012919
	JE21704-10	Unknown	9	1.0000			5000	Finished	10/24/2025 12:11:34 AM -04:00	Anions_012919
	JE21704-11	Unknown	10	1.0000			5000	Finished	10/24/2025 12:24:30 AM -04:00	Anions_012919
	JE21528-4	Unknown	11	1.0000			5000	Finished	10/24/2025 12:37:25 AM -04:00	Anions_012919
	JE21528-5	Unknown	12	1.0000			5000	Finished	10/24/2025 12:50:21 AM -04:00	Anions_012919
	JE21528-6	Unknown	13	1.0000			5000	Finished	10/24/2025 1:03:17 AM -04:00	Anions_012919
	CCV	Unknown	14	1.0000			5000	Finished	10/24/2025 1:16:13 AM -04:00	Anions_012919
	CCB	Unknown	15	1.0000			5000	Finished	10/24/2025 1:29:08 AM -04:00	Anions_012919
	JE21704-12	Unknown	16	1.0000			5000	Finished	10/24/2025 1:42:05 AM -04:00	Anions_012919
	JE21704-13	Unknown	17	1.0000			5000	Finished	10/24/2025 1:55:01 AM -04:00	Anions_012919
	JE21528-2	Unknown	18	1.0000			5000	Finished	10/24/2025 2:07:57 AM -04:00	Anions_012919
	JE21528-3	Unknown	19	1.0000			5000	Finished	10/24/2025 2:20:52 AM -04:00	Anions_012919
	JE21528-7	Unknown	20	1.0000			5000	Finished	10/24/2025 2:33:48 AM -04:00	Anions_012919

Sequence: D25102301
Last Update Operator: Chemistry

CD	Name	Type	Position	Dilution	Comment	Level	Volume	Status	Inject Time	Instrument Method
	JE21528-8	Unknown	21	1.0000			5000	Finished	10/24/2025 2:46:43 AM -04:00	Anions_012919
	JE21528-9	Unknown	22	1.0000			5000	Finished	10/24/2025 2:59:38 AM -04:00	Anions_012919
	JE21528-10	Unknown	23	1.0000			5000	Finished	10/24/2025 3:12:34 AM -04:00	Anions_012919
	JE21528-11	Unknown	24	1.0000			5000	Finished	10/24/2025 3:25:30 AM -04:00	Anions_012919
	JE21528-12	Unknown	25	1.0000			5000	Finished	10/24/2025 3:38:26 AM -04:00	Anions_012919
	CCV	Unknown	26	1.0000			5000	Finished	10/24/2025 3:51:22 AM -04:00	Anions_012919
	CCB	Unknown	27	1.0000			5000	Finished	10/24/2025 4:04:18 AM -04:00	Anions_012919
	JE21528-13	Unknown	28	1.0000			5000	Finished	10/24/2025 4:17:13 AM -04:00	Anions_012919
	GP64983-MB1	Unknown	29	1.0000			5000	Finished	10/24/2025 4:30:09 AM -04:00	Anions_012919
	GP64983-B1	Unknown	30	1.0000			5000	Finished	10/24/2025 4:43:04 AM -04:00	Anions_012919
	GP64983-S1	Unknown	31	1.0000			5000	Finished	10/24/2025 4:55:59 AM -04:00	Anions_012919
	GP64983-MSD1	Unknown	32	1.0000			5000	Finished	10/24/2025 5:08:55 AM -04:00	Anions_012919
	JE21528-16	Unknown	33	1.0000			5000	Finished	10/24/2025 5:21:50 AM -04:00	Anions_012919
	JE21528-14	Unknown	34	1.0000			5000	Finished	10/24/2025 5:34:46 AM -04:00	Anions_012919
	JE21528-15	Unknown	35	1.0000			5000	Finished	10/24/2025 5:47:41 AM -04:00	Anions_012919
	JE21528-17	Unknown	36	1.0000			5000	Finished	10/24/2025 6:00:37 AM -04:00	Anions_012919
	JE21528-18	Unknown	37	1.0000			5000	Finished	10/24/2025 6:13:33 AM -04:00	Anions_012919
	CCV	Unknown	38	1.0000			5000	Finished	10/24/2025 6:26:29 AM -04:00	Anions_012919
	CCB	Unknown	39	1.0000			5000	Finished	10/24/2025 6:39:24 AM -04:00	Anions_012919
	JE21669-1	Unknown	40	1.0000			5000	Finished	10/24/2025 6:52:19 AM -04:00	Anions_012919
	JE21669-2	Unknown	41	1.0000			5000	Finished	10/24/2025 7:05:15 AM -04:00	Anions_012919
	JE21669-5	Unknown	42	1.0000			5000	Finished	10/24/2025 7:18:11 AM -04:00	Anions_012919
	JE21669-6	Unknown	43	1.0000			5000	Finished	10/24/2025 7:31:06 AM -04:00	Anions_012919
	CCV	Unknown	44	1.0000			5000	Finished	10/24/2025 7:44:01 AM -04:00	Anions_012919
	CCB	Unknown	45	1.0000			5000	Finished	10/24/2025 7:56:57 AM -04:00	Anions_012919

SGS

Anions Standard Preparation Log

Class A pipet used :

Autopipet used : 59

Date 10/23/2025

GN Number GN75181

Intermediate Standard Description	Stock Standard used for preparation	Stock concentration	Anion	Stock volume or weight used with units	Diluent	Final Volume	Final Conc. of Intermediate (mg/l)	Expiration Date	Analyst	Date
GNE9-79634-IC	SPEC S250611030	4000ppm	CHL/SO4	2.5 ml	DI	100 mL	100ppm	11/13/2025	SS	10/13/2025
GNE9-79635-IC	SPEC S250611031	100ppm	F	20ml	DI	100 mL	20ppm	11/13/2025	SS	10/13/2025
GNE9-79636-IC	SPEC S250611029	100ppm	BRO	20ml	DI	100 mL	20ppm	11/13/2025	SS	10/13/2025
ICV GNE9-79637-IC	SPEC S250129034	200 ppm	CHL/SO4	50 ml	DI	100 mL	100 ppm	11/13/2025	SS	10/13/2025
	SPEC S250611037	100 ppm	F/BRO	3 ml	DI		3 ppm			

Standard Description	Intermediate or Stock used to prepare standard	Intermediate or Stock concentration	Anion	Intermediate or Stock volume used in ml	Diluent	Final Volume	Final Conc. of Standard (mg/l)	Expiration Date	Analyst	Date
STD C GNE9-79638-IC	GNE9-79634-IC	100ppm	CHL/SO4	2.0ml	DI	100 mL	2ppm	11/13/2025	SS	10/13/2025
	SPEC S250611029	100ppm	BRO	0.5ml			0.5ppm			
	GNE9-79635-IC	20ppm	F	1.0ml			0.2ppm			
STD D GNE9-79639-IC	GNE9-79634-IC	100ppm	CHL/SO4	10ml	DI	100 mL	10ppm	11/13/2025	SS	10/13/2025
	SPEC S250611029	100ppm	BRO	1ml			1ppm			
	GNE9-79635-IC	20ppm	F	2ml			0.4ppm			
STD E GNE9-79640-IC	GNE9-79634-IC	100ppm	CHL/SO4	50ml	DI	100 mL	50ppm	11/13/2025	SS	10/13/2025
	SPEC S250611029	100ppm	BRO	2ml			2ppm			
	GNE9-79635-IC	20ppm	F	5ml			1ppm			
STD F GNE9-79641-IC	SPEC S250611030	4000ppm	CHL/SO4	10ml	DI	200 mL	200ppm	11/13/2025	SS	10/13/2025
	SPEC S250611029	100ppm	BRO	6ml			3ppm			
	GNE9-79635-IC	20ppm	F	30ml			3ppm			
STD G GNE9-79642-IC	SPEC S250611030	4000ppm	CHL/SO4	10ml	DI	100 mL	400ppm	11/13/2025	SS	10/13/2025
	SPEC S250611029	100ppm	BRO	5ml			5ppm			
	GNE9-79635-IC	20ppm	F	30ml			6ppm			
CCV GNE9-79643-IC	SPEC S250611030	4000ppm	CHL/SO4	10ml	DI	200 mL	200ppm	11/13/2025	SS	10/13/2025
	SPEC S250611029	100ppm	BRO	6ml			3ppm			
	SPEC S250611031	100ppm	F	6ml			3ppm			

* If Class A glass pipets are used, enter an A. For balances or autopipets, then enter the appropriate SGS ID number.

NO2/NO3/P4 included in curve but not reported

Form: GN318-01

Rev Date: 6/23/2020

Reagent Information Log - IONC IC D - Water /Soil
GN Batch ID#: GN75181

Reagent	Reagent # or Man./Lot	Exp. Date
Standard Stocks (for Calibration Curve) (4000 PPM CHL/SO4)	SCP S250611030	7/31/2026
Standard Stocks (for Calibration Curve) (100 PPM BRO)	SCP S250611029	7/31/2026
Standard Stocks (for Calibration Curve) (100 PPM F)	SCP S250611031	7/31/2026
ICV MIX I (200 PPM CHL/SO4)	SCP S250129034	2/28/2026
ICV MIX II (100 PPM F/BRO)	SCP S250611037	7/31/2026
ICV	GNE9-79637-IC	11/13/2025
Eluent	240440831314	4/30/2026
CCV	GNE9-79643-IC	11/13/2025
Spiking Solution	SCP S250611032	7/31/2026
Filter lot numbers	LAB S&S 140320014	NA

Form : GN087A-76
Rev. Date: 4/7/09

SGS

Analyst: SS

Product: ANIONS

Pipette ID: 59

Prep Date: 10/23/2025

Balance ID: _____

Batch ID: GN75181

Sample Prep Log

Sample ID	Initial Sample Amount	Final Volume
GP64981-B1	0.5 ML OF SPIKE MIX TO 50 ML DIH20	50 ML DI H2O
GP64981-S1	0.5 ML OF SPIKE MIX TO 50 ML JE21662-1	50 ML JE21662-1
GP64981-MSD1	0.5 ML OF SPIKE MIX TO 50 ML JE21662-1	50 ML JE21662-1
GP64982-B1	0.5 ML OF SPIKE MIX TO 50 ML DIH20	50 ML DI H2O
GP64982-S1	0.5 ML OF SPIKE MIX TO 50 ML JE21704-8	50 ML JE21704-8
GP64982-MSD1	0.5 ML OF SPIKE MIX TO 50 ML JE21704-8	50 ML JE21704-8
GP64983-B1	0.5 ML OF SPIKE MIX TO 50 ML DIH20	50 ML DI H2O
GP64983-S1	0.5 ML OF SPIKE MIX TO 50 ML JE21528-16	50 ML JE21528-16
GP64983-MSD1	0.5 ML OF SPIKE MIX TO 50 ML JE21528-16	50 ML JE21528-16

Reviewer: _____

Date: _____

Form: GN166-04
Revised: 10/27/16

SGS

Analyst SS Product Anions Autopipette # 59

Date 10/23/25 Batch ID Class A Vol. Flask

Sample Dilution Prep Log

Sample ID	Dilution	Initial Volume	Final Volume	Comments
JE21566-1	1:7	5	35	DI H2O
-4	1:4	"	20	"
JE21529-3	1:3	"	15	"
QR64953-S1	1:9	"	45	"
-MSD1	"	"	"	"
JE21582-2	"	"	"	"
-3	1:4	"	20	"
JE21567-1	1:2	"	10	"
JE21570-1	1:3	"	15	"
-3	1:22	1	22	"
JE21271-1	1:2	5	10	"
-2	"	"	"	"
-5	"	"	"	"

QC Reviewer: Date:

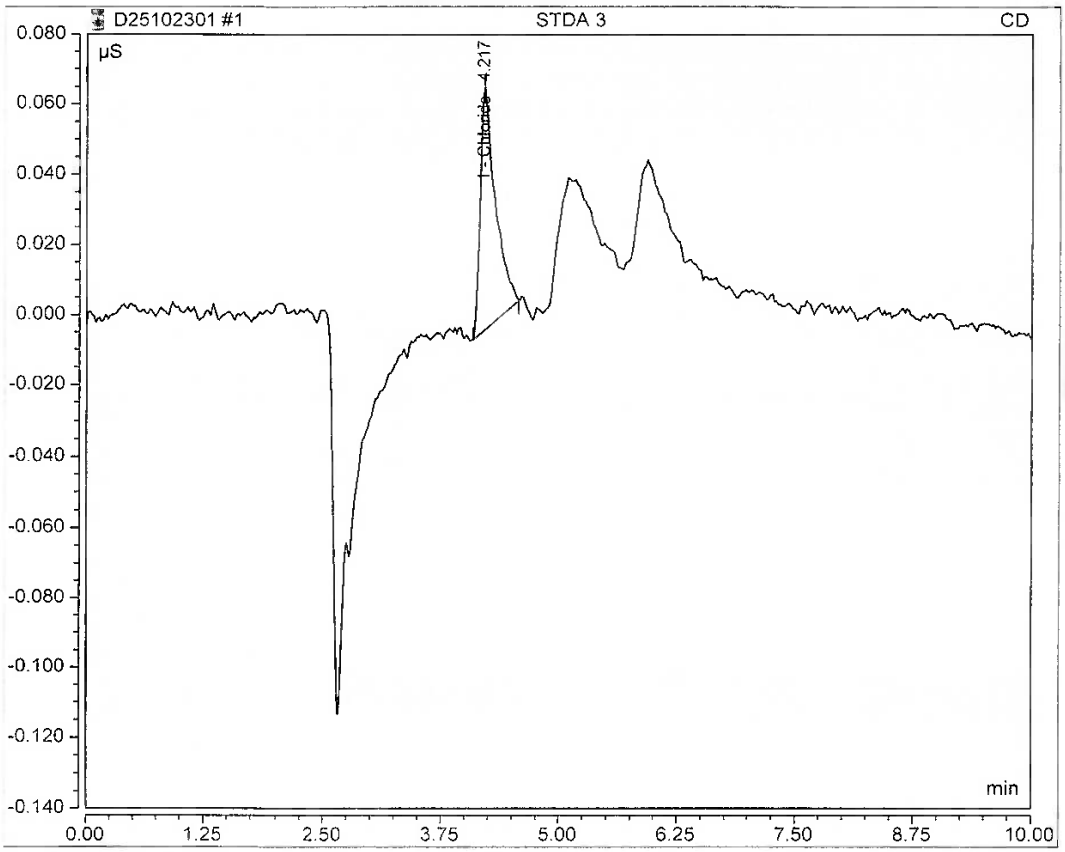
Form: GN165-01
Rev. Date: 2/25/03

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	**STDA 3**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Calibration Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_012919**	*Operator:*	**Chemistry**
Inj. Date / Time:	**13-Oct-2025 / 10:28**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	4.22	Chloride	BMB	0.013	0.069	0.3646
		TOTAL:		0.01	0.07	0.36



Anion/Integration

Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

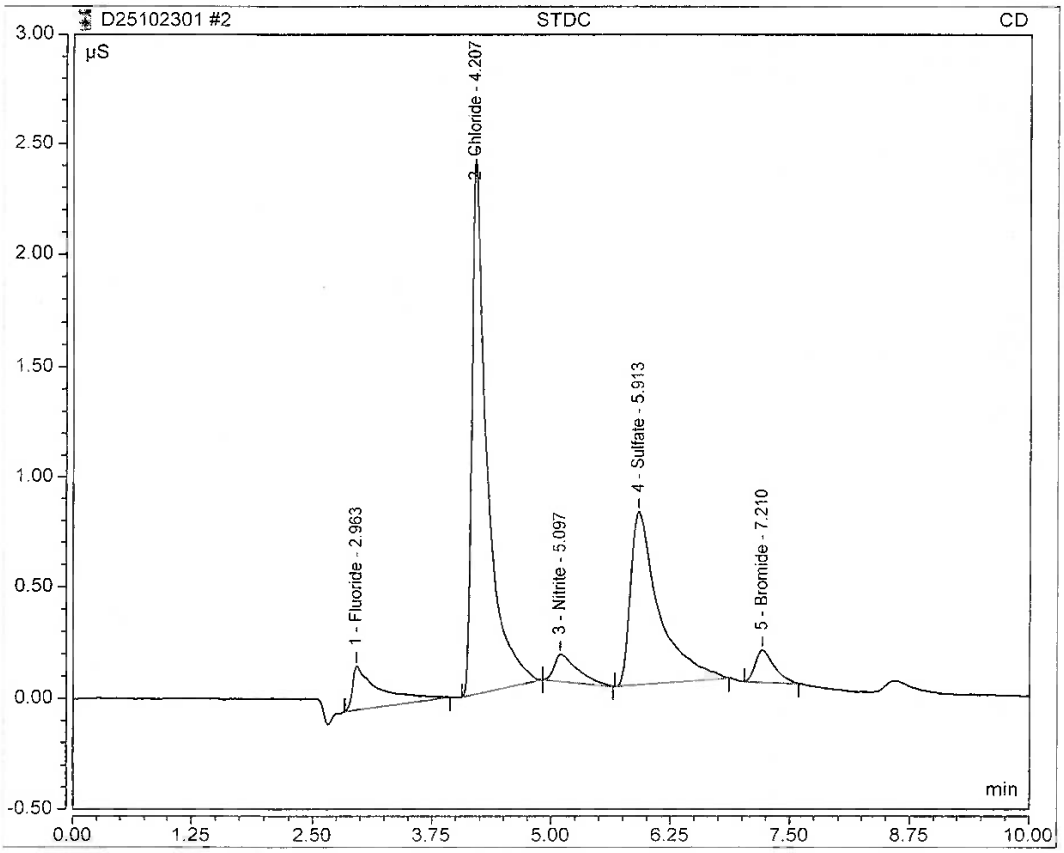
Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	**STDC**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Calibration Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_012919**	*Operator:*	**Chemistry**
Inj. Date / Time:	**13-Oct-2025 / 10:41**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.96	Fluoride	BMB	0.065	0.197	0.2304
2	4.21	Chloride	BMb	0.447	2.410	1.8671
3	5.10	Nitrite	bMB	0.034	0.122	0.1387
4	5.91	Sulfate	BMB	0.268	0.781	2.2595
5	7.21	Bromide	BMB	0.033	0.145	0.5233
		TOTAL:		0.85	3.66	5.02

RD: 15.2% -6.65% 12.98%



15.5 15

Anion/Integration

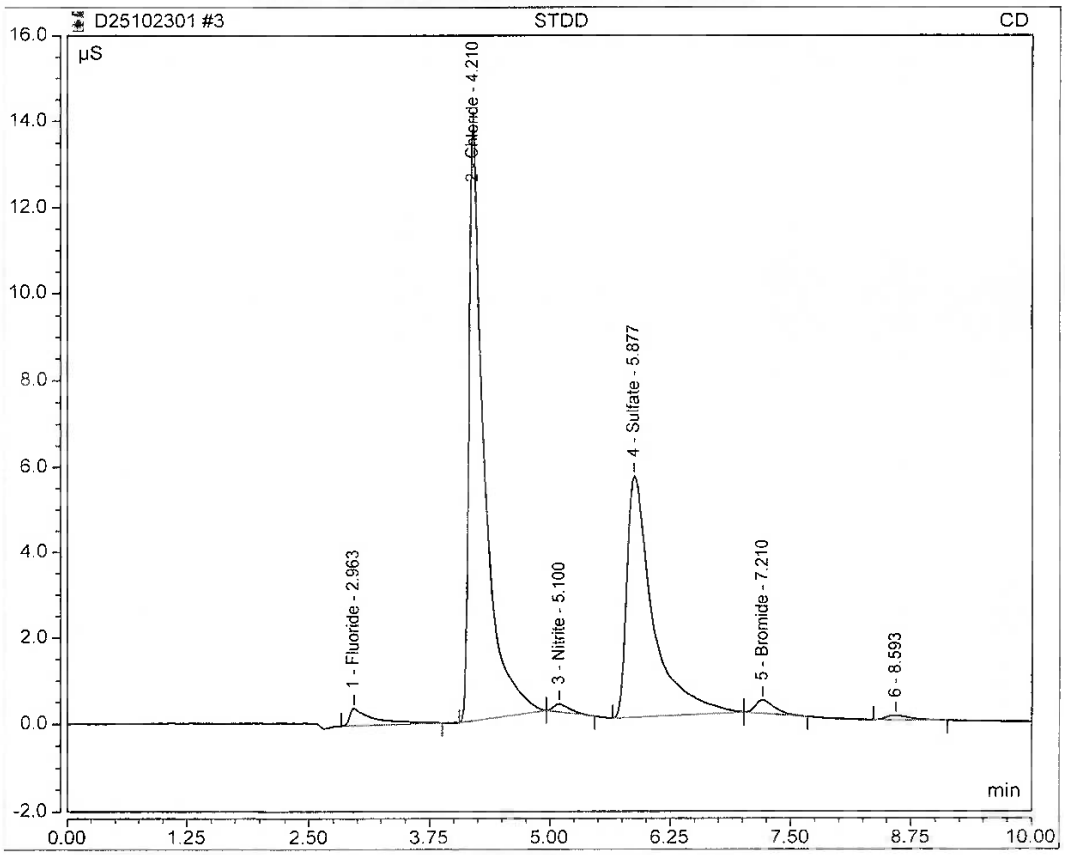
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	**STDD**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Calibration Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_012919**	*Operator:*	**Chemistry**
Inj. Date / Time:	**13-Oct-2025 / 10:54**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.96	Fluoride	BMB	0.114	0.404	0.3653
2	4.21	Chloride	BMb	2.562	13.834	9.1782
3	5.10	Nitrite	bMB	0.037	0.192	0.1627
4	5.88	Sulfate	BMb	1.764	5.637	9.2481
5	7.21	Bromide	bMB	0.071	0.313	0.9707
TOTAL:				4.55	20.38	19.92



Anion/Integration

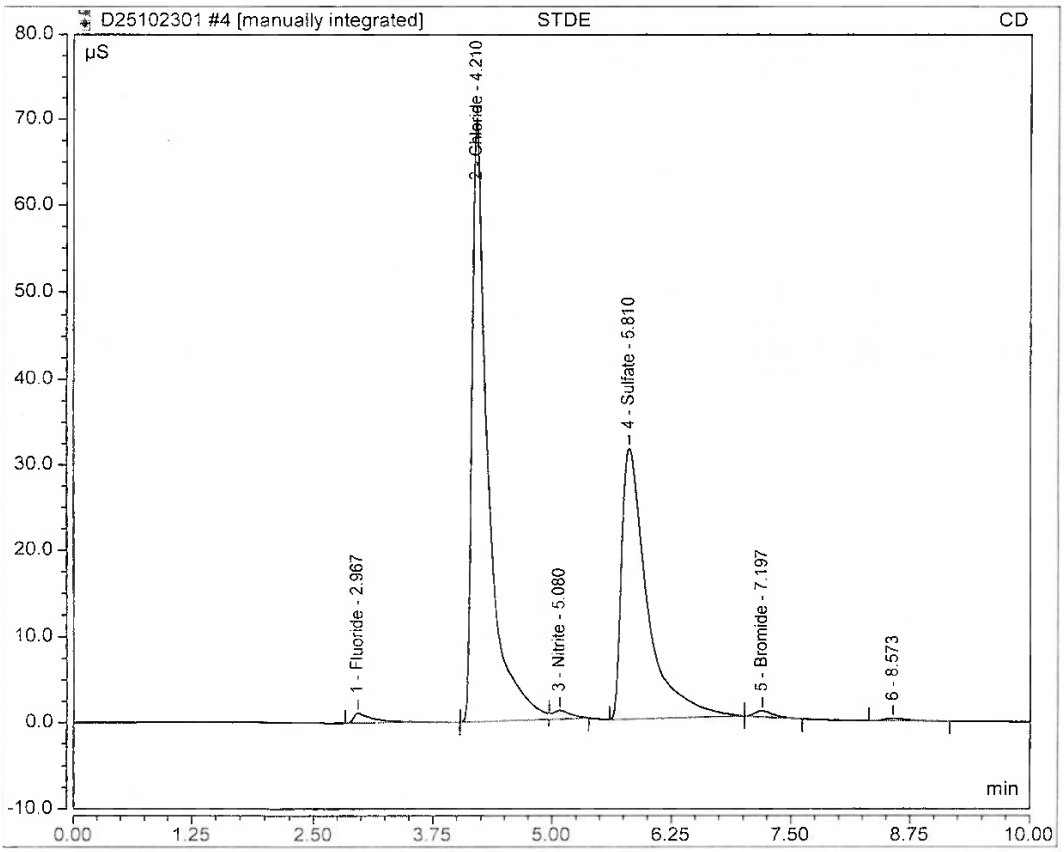
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	**STDE**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Calibration Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_012919**	*Operator:*	**Chemistry**
Inj. Date / Time:	**13-Oct-2025 / 11:06**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.97	Fluoride	BM *	0.306	1.165	0.9036
2	4.21	Chloride	M *	13.690	70.026	47.6581
3	5.08	Nitrite	MB*	0.226	1.009	2.0649
4	5.81	Sulfate	BMb	9.711	31.537	46.3821
5	7.20	Bromide	bMB	0.157	0.727	1.9737
TOTAL:				24.09	104.46	98.98



Anion/Integration

Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

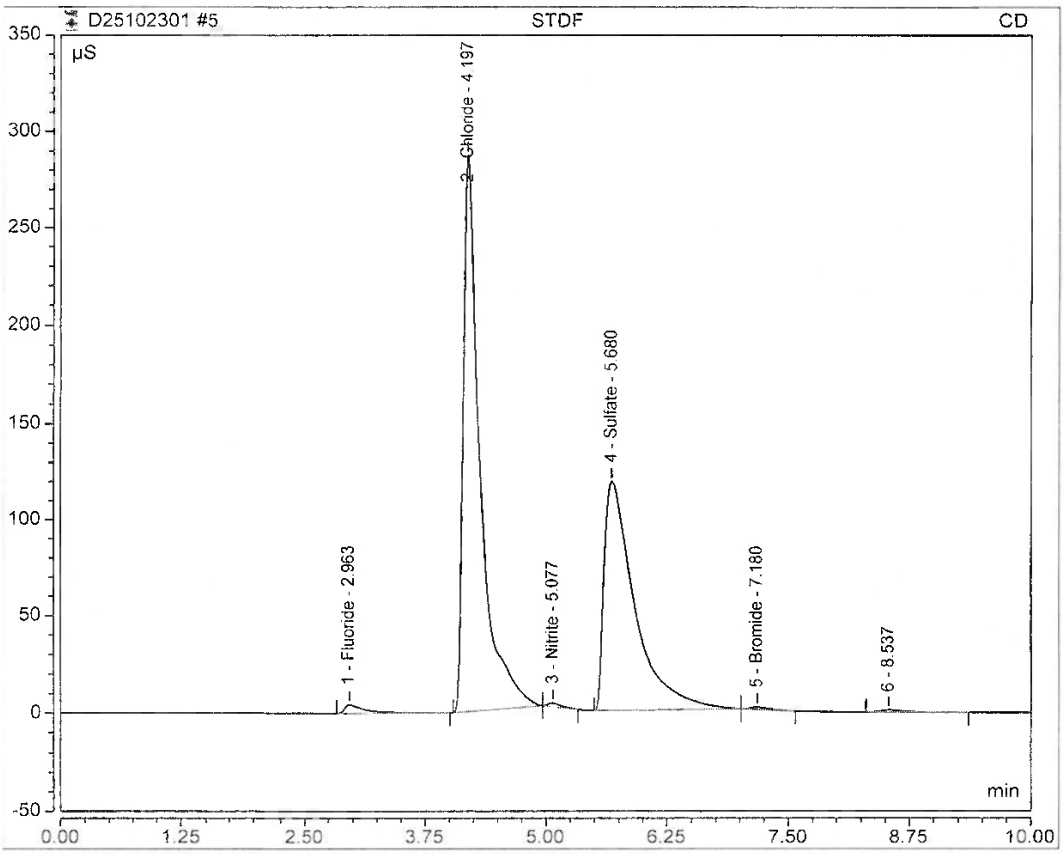
Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	**STDF**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Calibration Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_012919**	*Operator:*	**Chemistry**
Inj. Date / Time:	**13-Oct-2025 / 11:19**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.96	Fluoride	BMB	1.085	4.411	3.0881
2	4.20	Chloride	BMb	58.323	287.106	201.9868
3	5.08	Nitrite	bMB	0.296	1.925	2.7753
4	5.68	Sulfate	BMb	43.229	118.629	203.0072
5	7.18	Bromide	bMB	0.238	1.193	2.9205
		TOTAL:		103.17	413.26	413.78

RE'L
2.94%
0.98%
1.5%



15.5
15

Anion/Integration

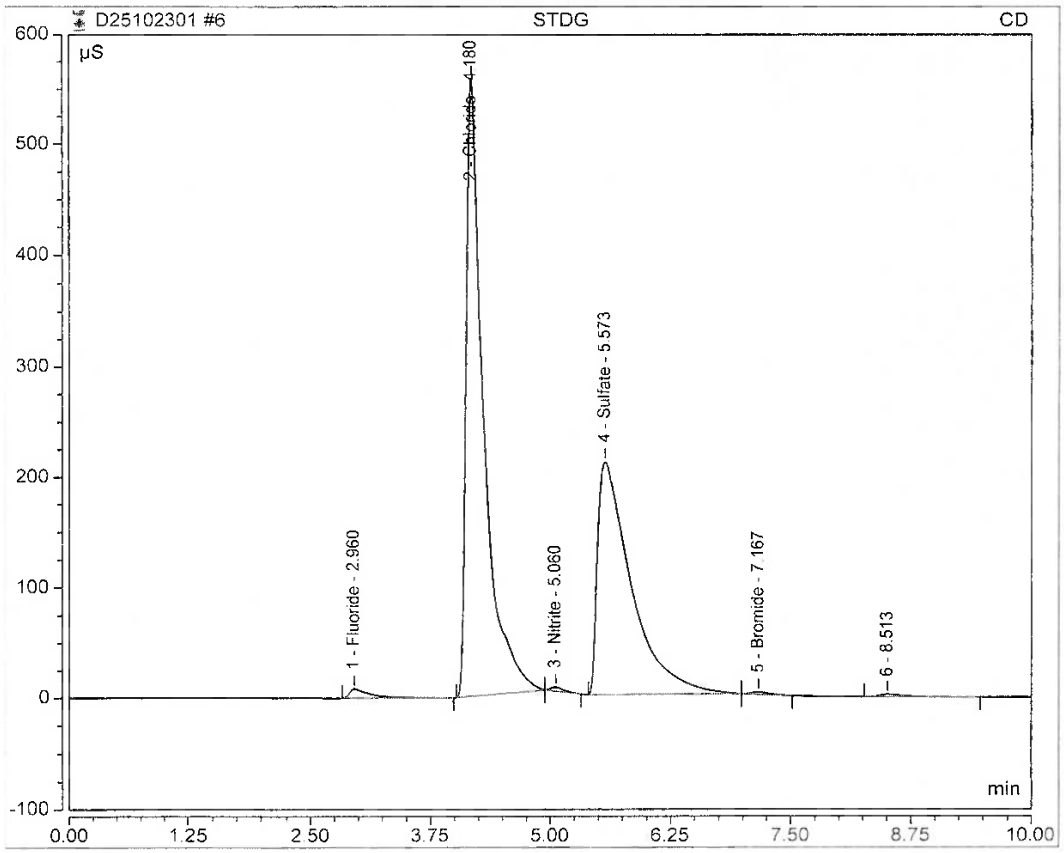
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	**STDG**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Calibration Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_012919**	*Operator:*	**Chemistry**
Inj. Date / Time:	**13-Oct-2025 / 11:32**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.96	Fluoride	BMB	2.128	8.576	6.0128
2	4.18	Chloride	BMb	115.968	558.136	401.3098
3	5.06	Nitrite	bMB	0.563	3.641	5.4584
4	5.57	Sulfate	BMb	85.622	211.226	401.1030
5	7.17	Bromide	bMB	0.424	2.075	5.1118
TOTAL:				204.71	783.65	819.00



Anion/integration

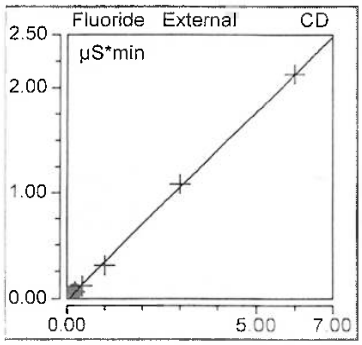
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

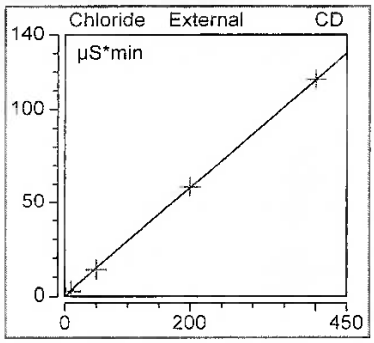
Calibration Batch Report

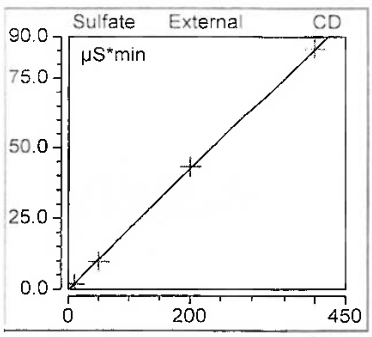
Sequence:	D25102301	*Injection Volu*	5,000.00
Instrument M	Anions_012 919	*Operator:*	Chemistry
Inj. Date / Tin	13/10/2025 / 10:41	*Run Time:*	10

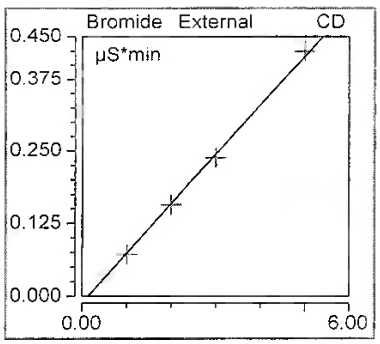
bration Summary

Peak Name	Eval.Type	Cal.Type	Points	Offset (C0)	Slope (C1)	Curve (C2)	Coeff.Det. %
Fluoride	Area	, WithOffset,	5.000	-0.017	0.357	0.000	99.7508
Chloride	Area	, WithOffset,	6.000	-0.093	0.289	0.000	99.9568
Nitrite	Area	, WithOffset,	5.000	0.021	0.099	0.000	85.1944
Sulfate	Area	, WithOffset,	5.000	-0.215	0.214	0.000	99.9357
Bromide	Area	, WithOffset,	5.000	-0.011	0.085	0.000	99.8701
		AVERAGE:		-0.0630	0.2089	0.0000	96.9416







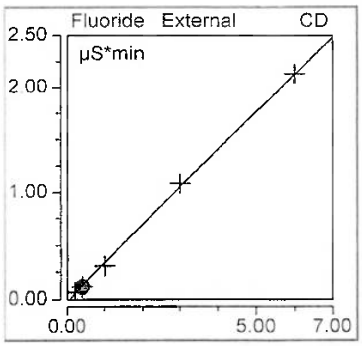


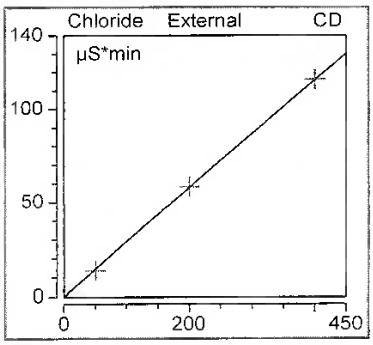
Calibration Batch Report

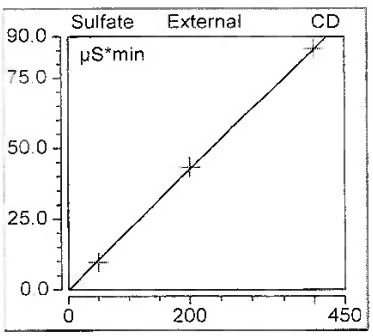
Sequence:	D25102301	*Injection Volu*	5,000.00
Instrument M	Anions_012 919	*Operator:*	Chemistry
Inj. Date / Tin	13/10/2025 / 10:54	*Run Time:*	10

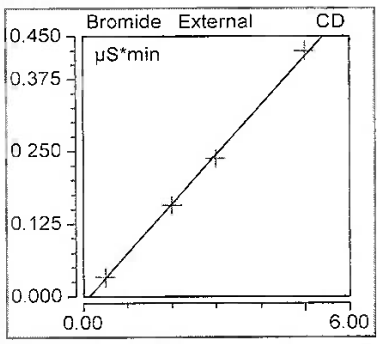
bration Summary

Peak Name	Eval.Type	Cal.Type	Points	Offset (C0)	Slope (C1)	Curve (C2)	Coeff.Det. %
Fluoride	Area	WithOffset,	5.000	-0.017	0.357	0.000	99.7508
Chloride	Area	WithOffset,	6.000	-0.093	0.289	0.000	99.9568
Nitrite	Area	WithOffset,	5.000	0.021	0.099	0.000	85.1944
Sulfate	Area	WithOffset,	5.000	-0.215	0.214	0.000	99 9357
Bromide	Area	WithOffset,	5.000	-0.011	0.085	0.000	99.8701
		AVERAGE:		-0.0630	0.2089	0.0000	96.9416









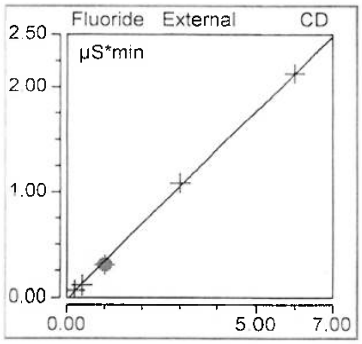
15.5
15

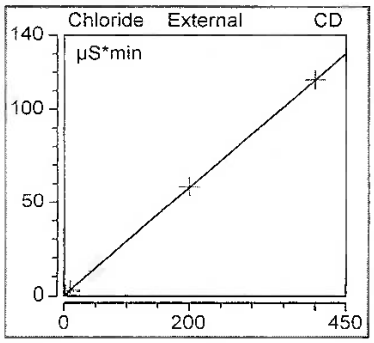
Calibration Batch Report

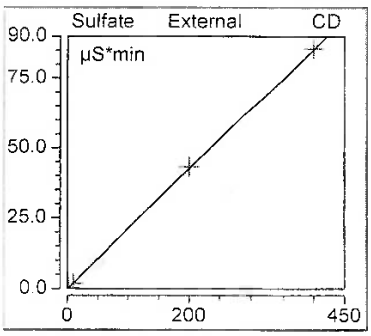
Sequence:	**D25102301**	*Injection Volu*	**5,000.00**
Instrument Mo	**Anions_012 919**	*Operator:*	**Chemistry**
Inj. Date / Tin	**13/10/2025 / 11:06**	*Run Time:*	**10**

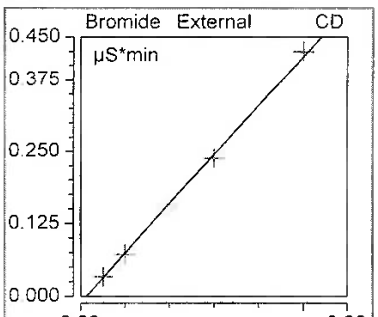
bration Summary

Peak Name	Eval.Type	Cal.Type	Points	Offset (C0)	Slope (C1)	Curve (C2)	Coeff.Det. %
Fluoride	Area	, WithOffset,	5.000	-0.017	0.357	0.000	99.7508
Chloride	Area	, WithOffset,	6.000	-0.093	0.289	0.000	99.9568
Nitrite	Area	, WithOffset,	5.000	0.021	0.099	0.000	85.1944
Sulfate	Area	, WithOffset,	5.000	-0.215	0.214	0.000	99.9357
Bromide	Area	, WithOffset,	5.000	-0.011	0.085	0.000	99.8701
		AVERAGE:		-0.0630	0.2089	0.0000	96.9416







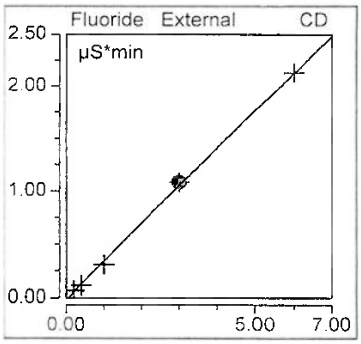


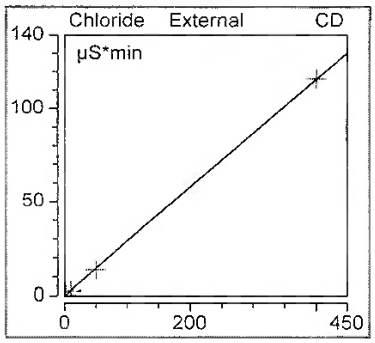
Calibration Batch Report

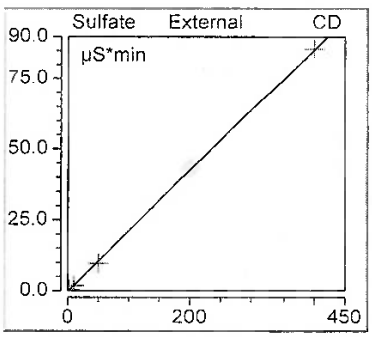
Sequence:	**D25102301**	*Injection Volu*	**5,000.00**
Instrument M	**Anions_012 919**	*Operator:*	**Chemistry**
Inj. Date / Tin	**13/10/2025 / 11:19**	*Run Time:*	**10**

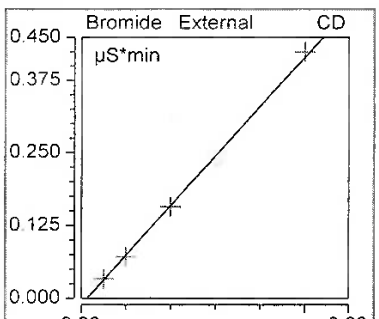
bration Summary

Peak Name	Eval.Type	Cal.Type	Points	Offset (C0)	Slope (C1)	Curve (C2)	Coeff.Det. %
Fluoride	Area	WithOffset,	5.000	-0.017	0.357	0.000	99.7508
Chloride	Area	WithOffset,	6.000	-0.093	0.289	0.000	99.9568
Nitrite	Area	WithOffset,	5.000	0.021	0.099	0.000	85.1944
Sulfate	Area	WithOffset,	5.000	-0.215	0.214	0.000	99.9357
Bromide	Area	WithOffset,	5.000	-0.011	0.085	0.000	99.8701
		AVERAGE:		-0.0630	0.2089	0.0000	96.9416







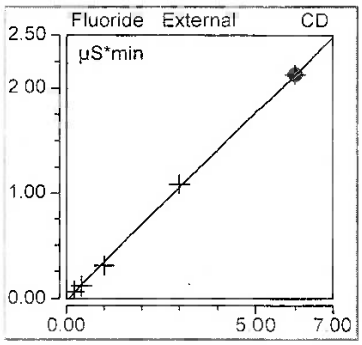


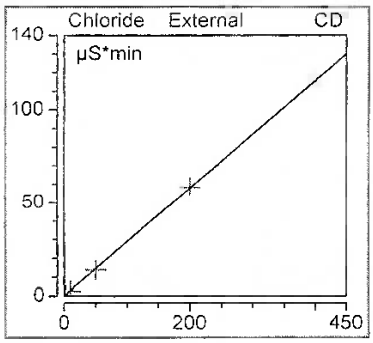
Calibration Batch Report

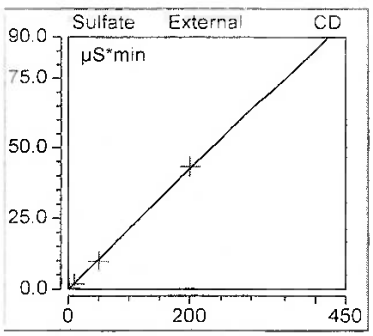
Sequence:	D25102301	*Injection Volu*	5,000.00
Instrument M	Anions_012 919	*Operator:*	Chemistry
Inj. Date / Tin	13/10/2025 / 11:32	*Run Time:*	10

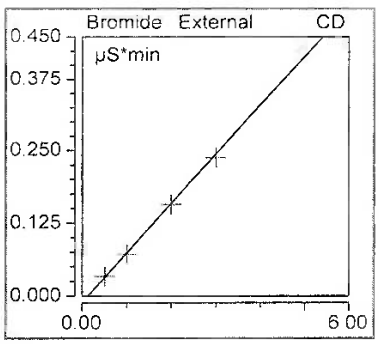
bration Summary

Peak Name	Eval.Type	Cal.Type	Points	Offset (C0)	Slope (C1)	Curve (C2)	Coeff.Det. %
Fluoride	Area	WithOffset,	5.000	-0.017	0.357	0.000	99.7508
Chloride	Area	WithOffset,	6.000	-0.093	0.289	0.000	99.9568
Nitrite	Area	WithOffset,	5.000	0.021	0.099	0.000	85.1944
Sulfate	Area	WithOffset,	5.000	-0.215	0.214	0.000	99.9357
Bromide	Area	WithOffset,	5.000	-0.011	0.085	0.000	99.8701
		AVERAGE:		-0.0630	0.2089	0.0000	96.9416







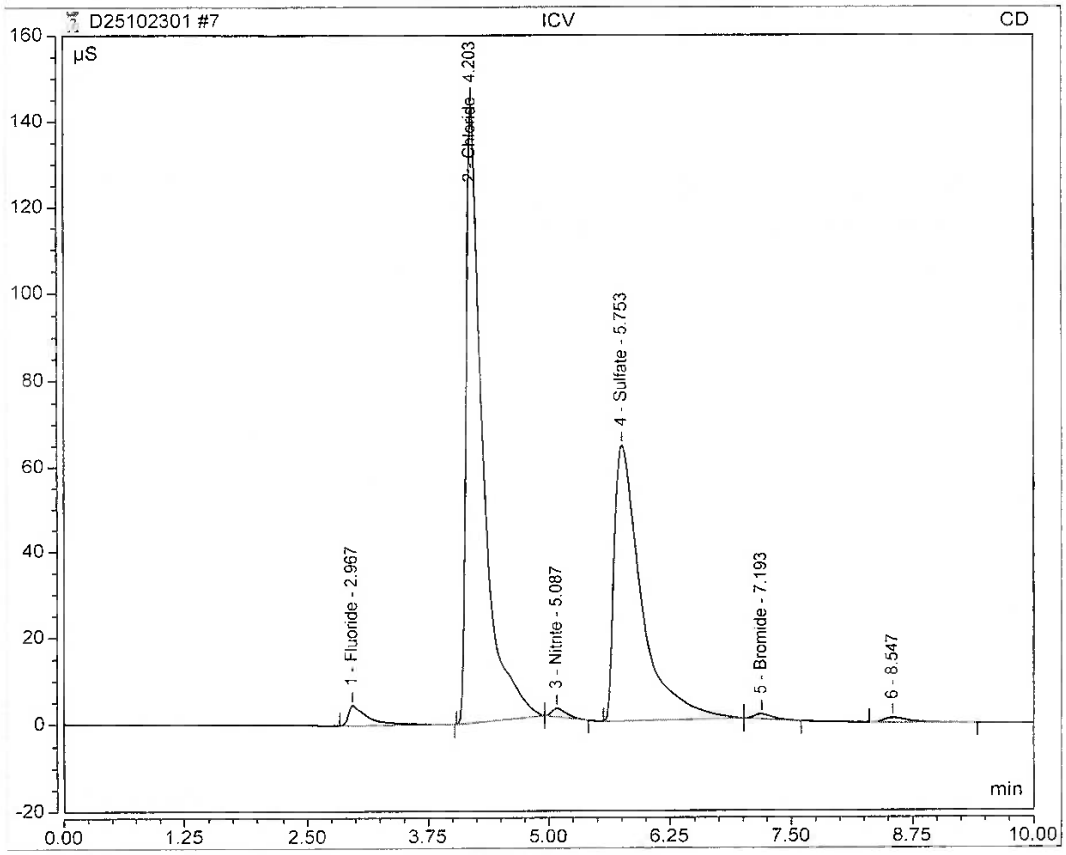


Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	ICV	*Inj. Vol.:*	5000.00
Injection Type:	Unknown	*Dilution Factor:*	1.0000
Instrument Method:	Anions_012919	*Operator:*	Chemistry
Inj. Date / Time:	13-Oct-2025 / 11:45	*Run Time:*	10.00

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.97	Fluoride	BMB	1.092	4.583	3.1077
2	4.20	Chloride	BMb	28.289	143.594	98.1373
3	5.09	Nitrite	bMB	0.343	1.989	3.2445
4	5.75	Sulfate	BMb	20.865	64.403	98.5025
5	7.19	Bromide	bMB	0.247	1.182	3.0280
TOTAL:				50.84	215.75	206.02



Anion/Integration

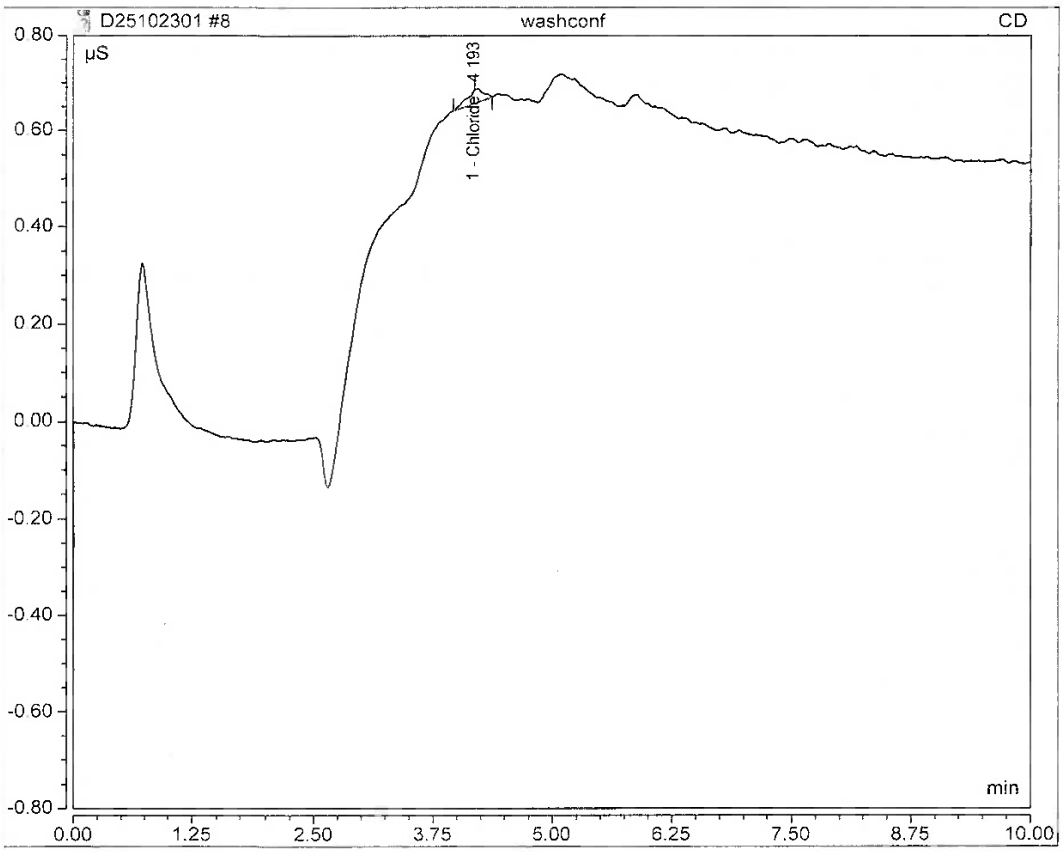
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	**washconf**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_012919**	*Operator:*	**Chemistry**
Inj. Date / Time:	**23-Oct-2025 / 09:45**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	4.19	Chloride	BMB	0.006	0.030	0.3409
		TOTAL:		0.01	0.03	0.34



Anion/Integration

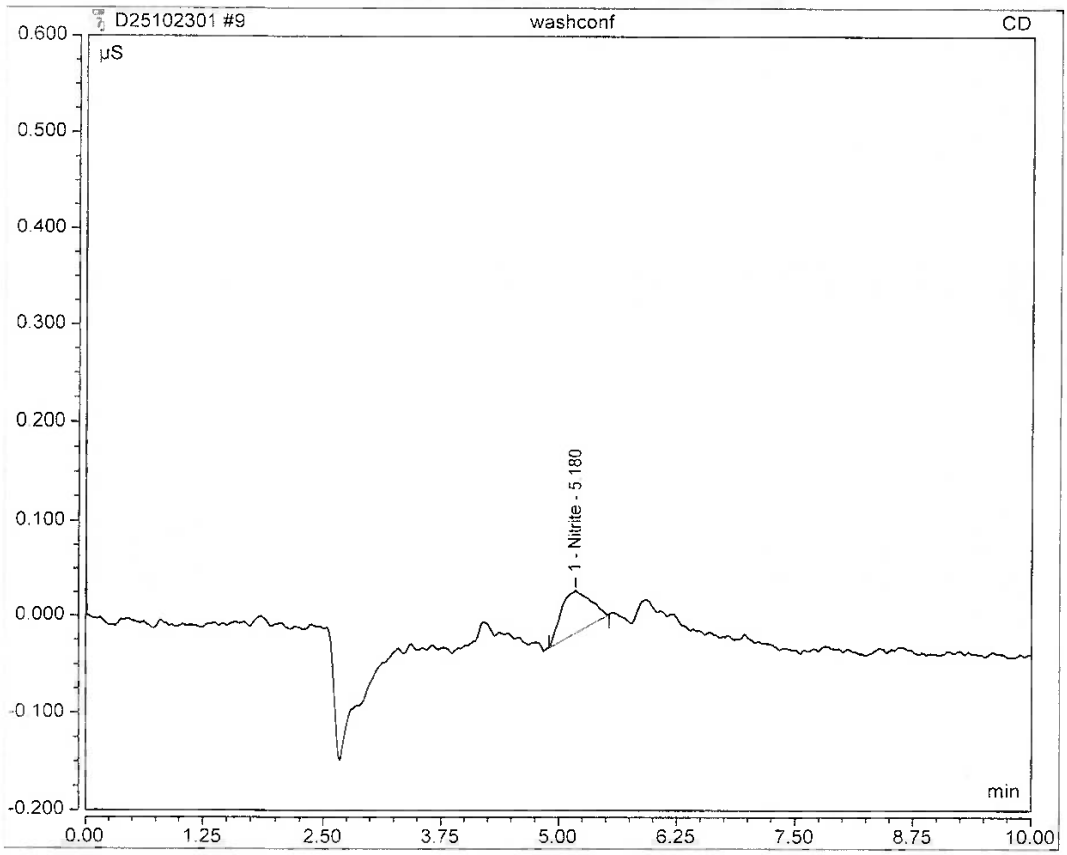
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	**washconf**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_012919**	*Operator:*	**Chemistry**
Inj. Date / Time:	**23-Oct-2025 / 09:58**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	5.18	Nitrite	BMB	0.016	0.045	n.a.
		TOTAL:		0.02	0.04	0.00



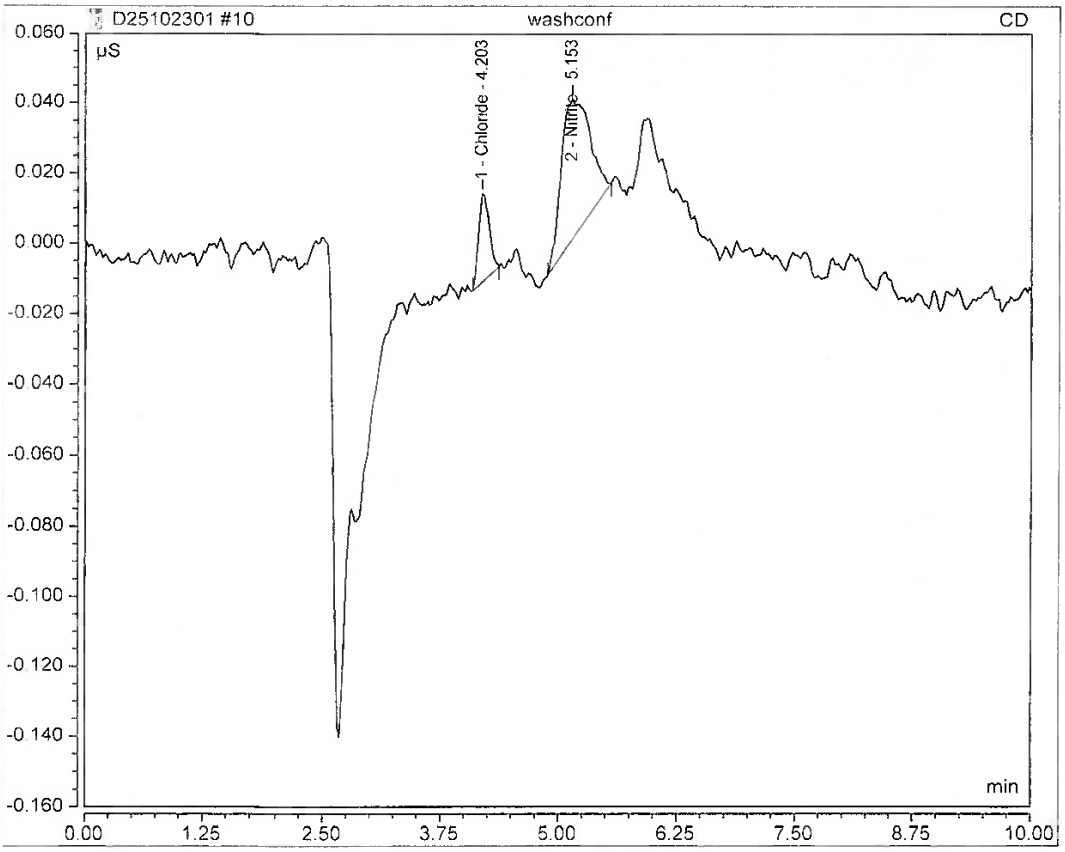
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	**washconf**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_012919**	*Operator:*	**Chemistry**
Inj. Date / Time:	**23-Oct-2025 / 10:10**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	4.20	Chloride	BMB	0.003	0.025	0.3313
2	5.15	Nitrite	BMB	0.014	0.040	n.a.
TOTAL:				0.02	0.07	0.33



Anion/Integration

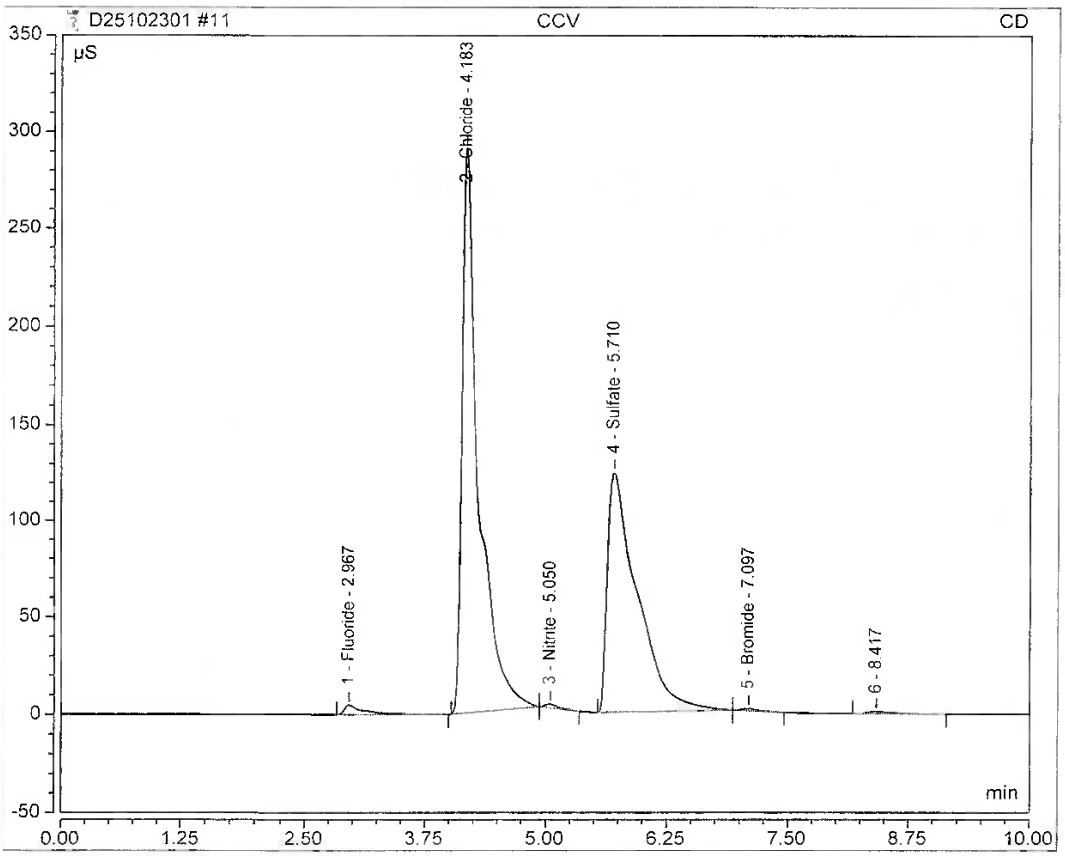
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	**CCV**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_012919**	*Operator:*	**Chemistry**
Inj. Date / Time:	**23-Oct-2025 / 10:23**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.97	Fluoride	BMB	1.139	4.887	3.2413
2	4.18	Chloride	BMb	57.498	291.072	199.1326
3	5.05	Nitrite	bMB	0.284	1.977	2.6479
4	5.71	Sulfate	BMb	43.610	124.172	204.7878
5	7.10	Bromide	bMB	0.229	1.193	2.8229
TOTAL:				102.76	423.30	412.63



Anion/Integration

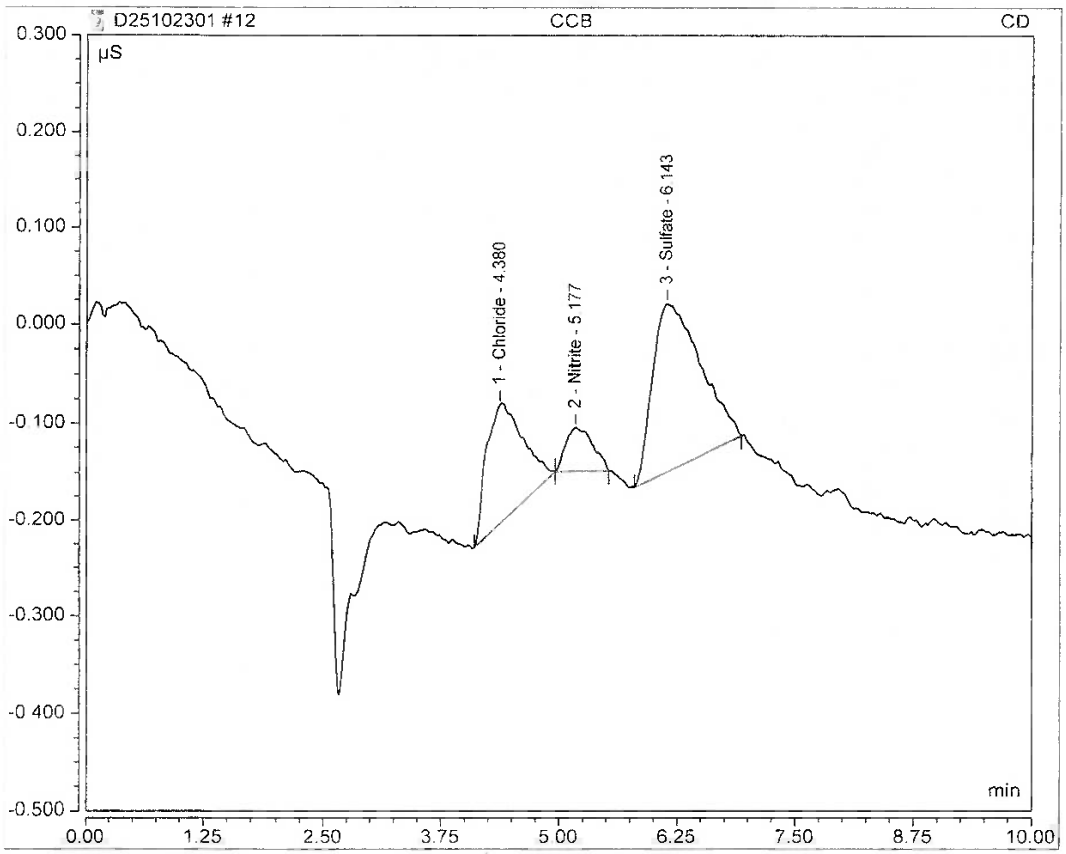
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	**CCB**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_012919**	*Operator:*	**Chemistry**
Inj. Date / Time:	**23-Oct-2025 / 10:36**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	4.38	Chloride	BMb	0.055	0.123	0.5091
2	5.18	Nitrite	bMB	0.015	0.045	n.a.
3	6.14	Sulfate	BMB	0.099	0.171	1.4691
TOTAL:				0.17	0.34	1.98



Anion/Integration

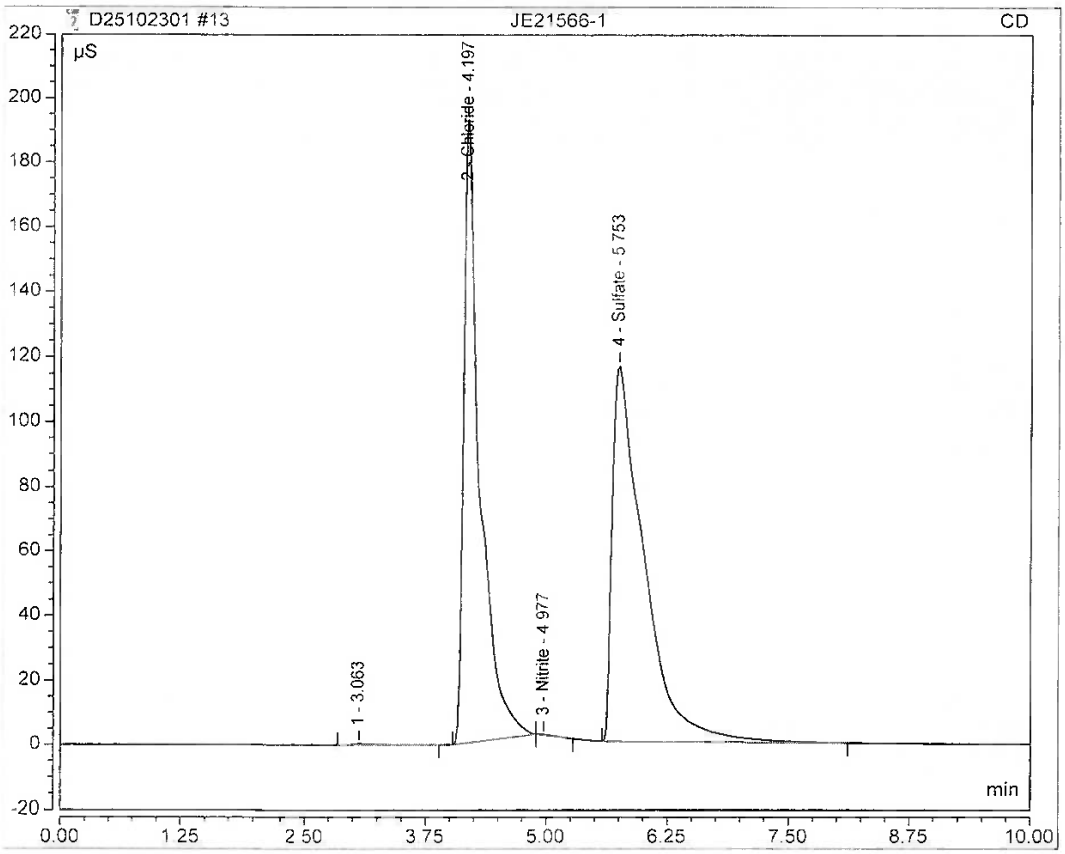
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	**JE21566-1**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**7.0000**
Instrument Method:	**Anions_012919**	*Operator:*	**Chemistry**
Inj. Date / Time:	**23-Oct-2025 / 10:49**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	4.20	Chloride	BMb	37.485	192.640	909.5306
3	4.98	Nitrite	bMB	0.037	0.189	1.1613
4	5.75	Sulfate	BMB	44.327	116.285	1456.9678
TOTAL:				81.85	309.11	2367.66



Anion/Integration

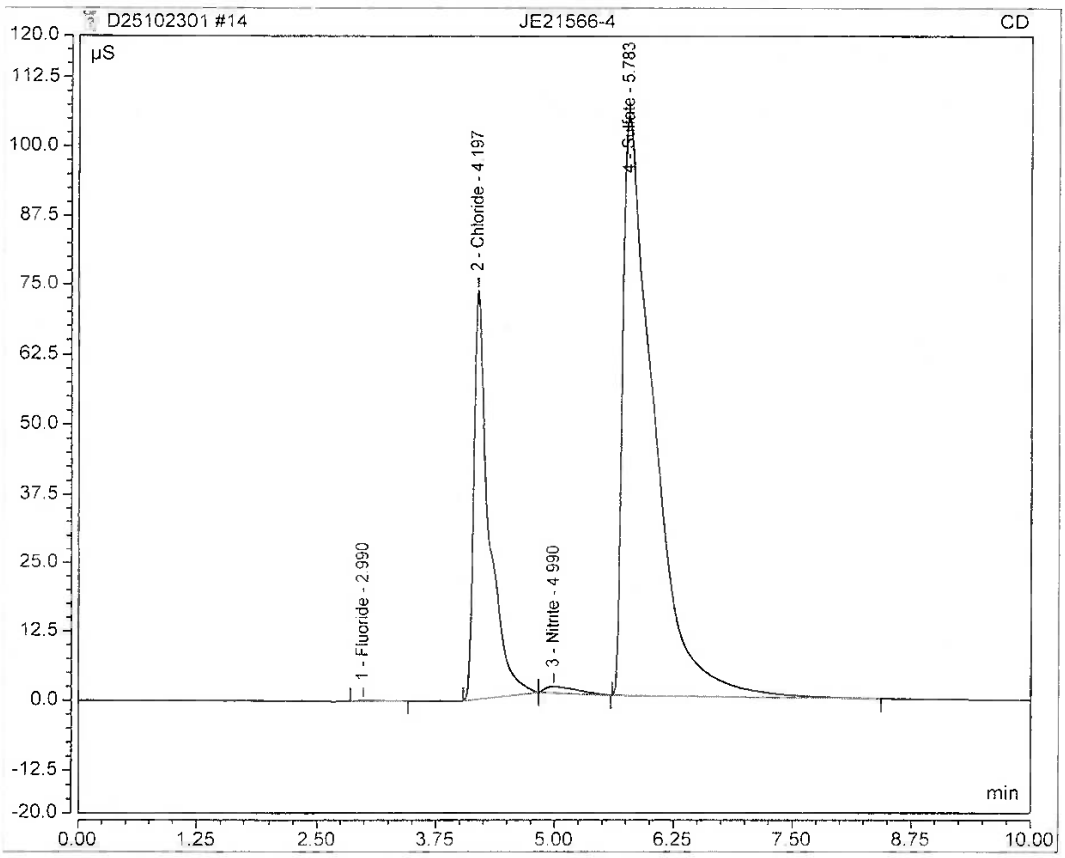
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	**JE21566-4**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**4.0000**
Instrument Method:	**Anions_012919**	*Operator:*	**Chemistry**
Inj. Date / Time:	**23-Oct-2025 / 11:02**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.99	Fluoride	BMB	0.038	0.124	0.6156
2	4.20	Chloride	BMb	13.651	73.581	190.0804
3	4.99	Nitrite	bMB	0.447	1.131	17.1865
4	5.78	Sulfate	BMB	39.693	104.711	745.9465
TOTAL:				53.83	179.55	953.83



Anion/Integration

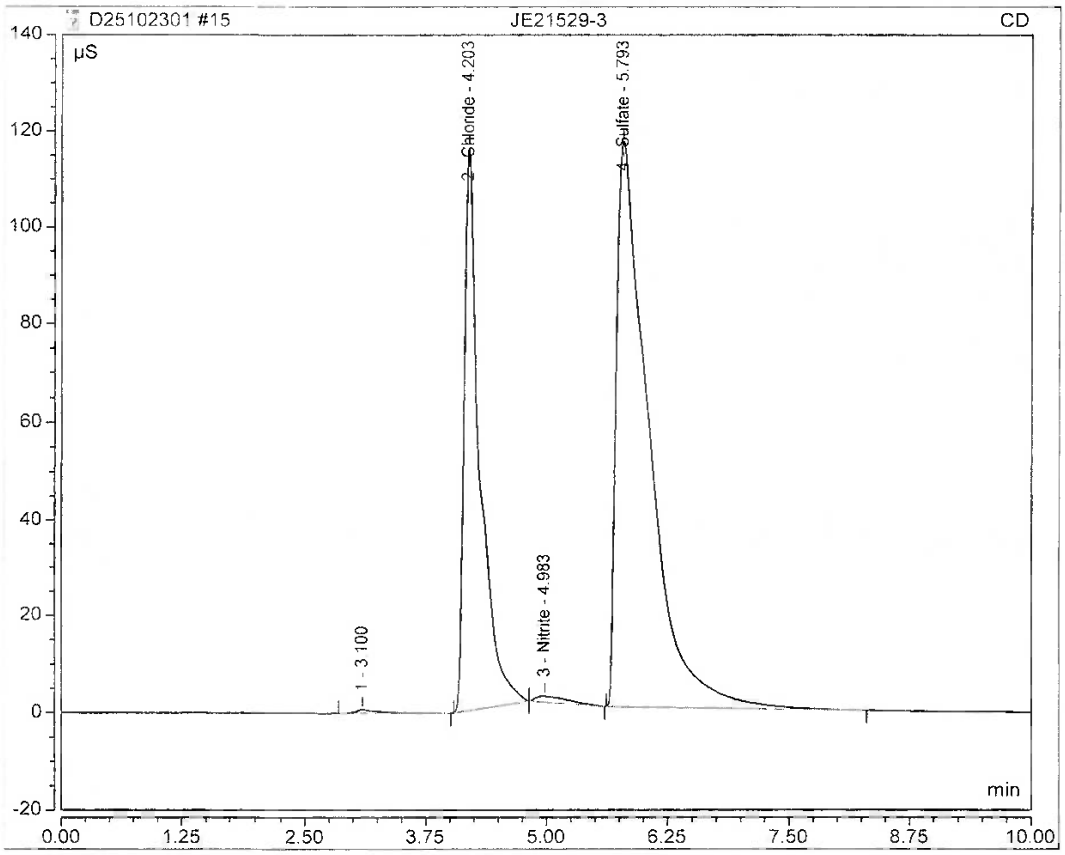
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	**JE21529-3**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**3.0000**
Instrument Method:	**Anions_012919**	*Operator:*	**Chemistry**
Inj. Date / Time:	**23-Oct-2025 / 11:15**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	4.20	Chloride	BMb	21.756	116.054	226.6377
3	4.98	Nitrite	bMB	0.498	1.229	14.4182
4	5.79	Sulfate	BMB	45.466	116.623	640.3905
TOTAL:				67.72	233.91	881.45



Anion/Integration

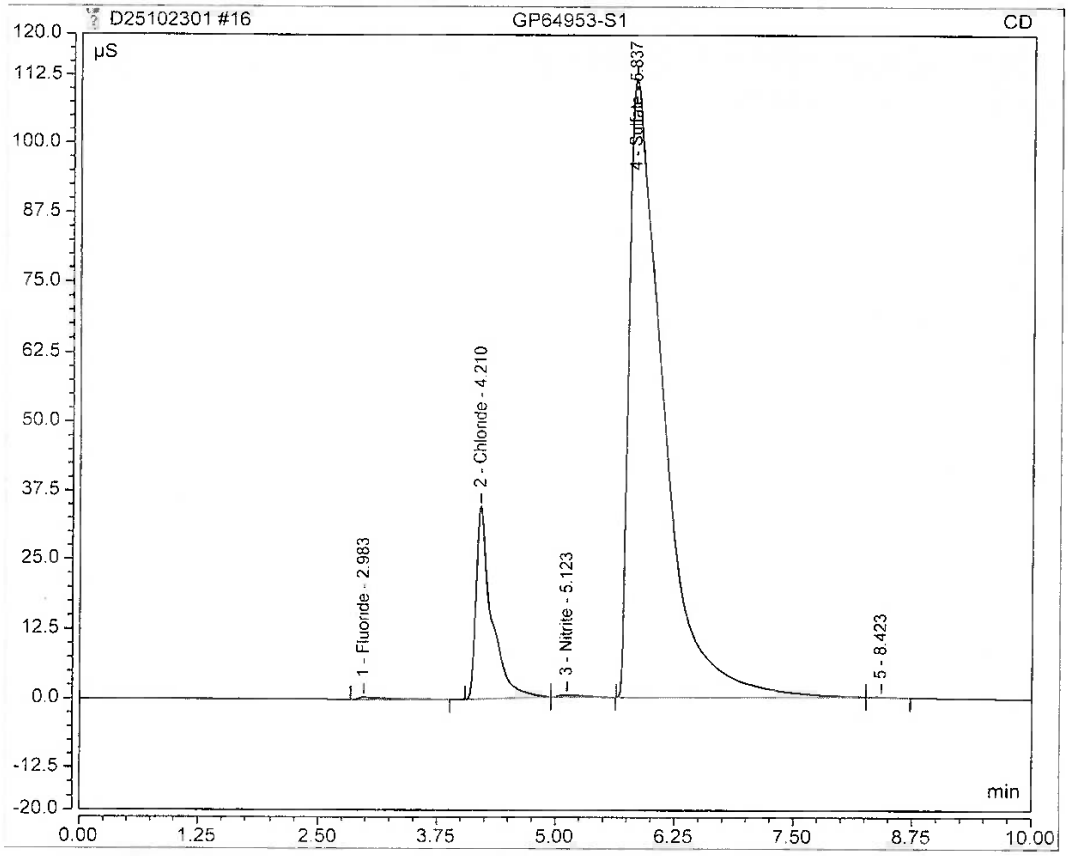
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion 1
Sequence: D25102301

Peak Integration Report

Sample Name:	**GP64953-S1**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**9.0000**
Instrument Method:	**Anions_012919**	*Operator:*	**Chemistry**
Inj. Date / Time:	**23-Oct-2025 / 11:28**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.98	Fluoride	BMB	0.137	0.432	3.8781
2	4.21	Chloride	BMb	6.551	34.695	206.7319
3	5.12	Nitrite	bMB	0.120	0.350	9.0177
4	5.84	Sulfate	BMb	46.466	111.770	1963.1916
TOTAL:				53.27	147.25	2182.82



Anion/Integration

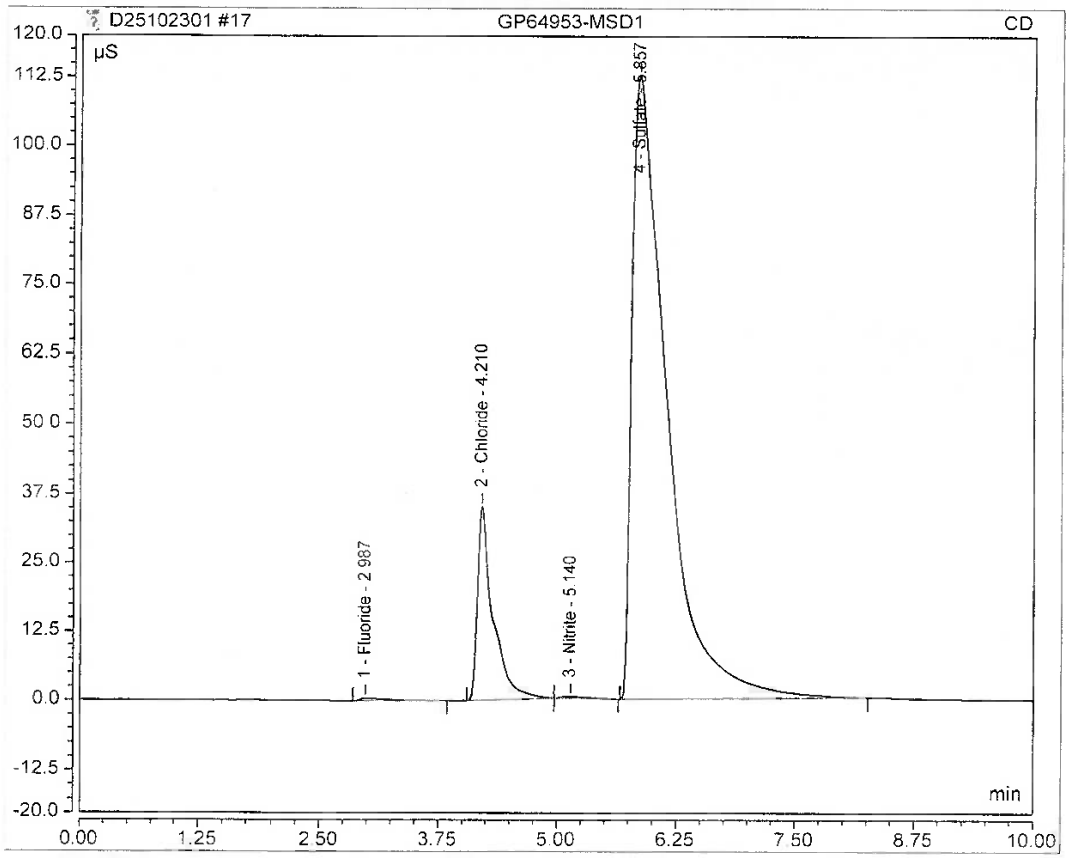
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	**GP64953-MSD1**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**9.0000**
Instrument Method:	**Anions_012919**	*Operator:*	**Chemistry**
Inj. Date / Time:	**23-Oct-2025 / 11:41**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.99	Fluoride	BMB	0.148	0.455	4.1581
2	4.21	Chloride	BMb	6.696	35.202	211.2539
3	5.14	Nitrite	bMB	0.106	0.308	7.7444
4	5.86	Sulfate	BMB	47.994	112.721	2027.4725
TOTAL:				54.94	148.69	2250.63



Anion/Integration

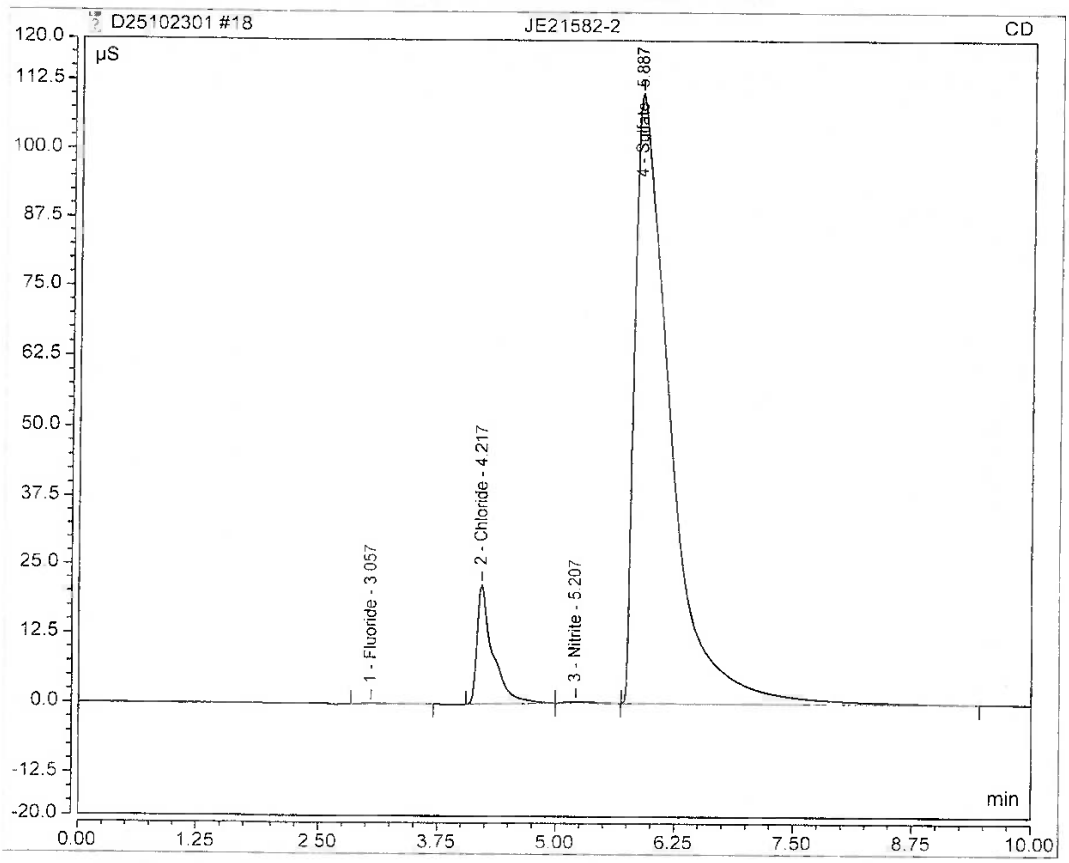
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	JE21582-2	*Inj. Vol.:*	5000.00
Injection Type:	Unknown	*Dilution Factor:*	9.0000
Instrument Method:	Anions_012919	*Operator:*	Chemistry
Inj. Date / Time:	23-Oct-2025 / 11:54	*Run Time:*	10.00

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	3.06	Fluoride	BMB	0.061	0.157	1.9693
2	4.22	Chloride	BMb	4.097	21.526	130.3816
3	5.21	Nitrite	bMB	0.111	0.308	8.2114
4	5.89	Sulfate	BMB	47.978	110.074	2026.8157
TOTAL:				52.25	132.06	2167.38



Anion/Integration

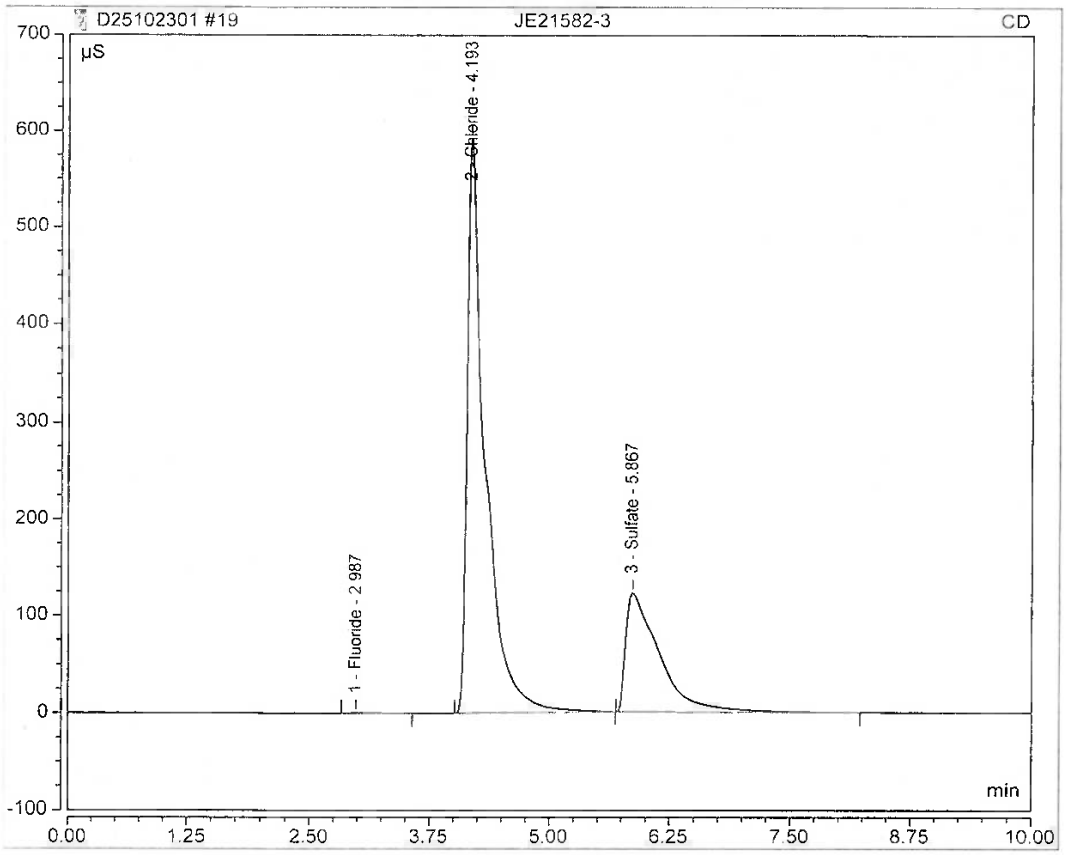
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	**JE21582-3**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**4.0000**
Instrument Method:	**Anions_012919**	*Operator:*	**Chemistry**
Inj. Date / Time:	**23-Oct-2025 / 12:07**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.99	Fluoride	BMB	0.053	0.157	0.7832
2	4.19	Chloride	BMB	128.413	592.163	1777.3545
3	5.87	Sulfate	BMB	49.541	122.449	930.0109
TOTAL:				178.01	714.77	2708.15



Anion/Integration

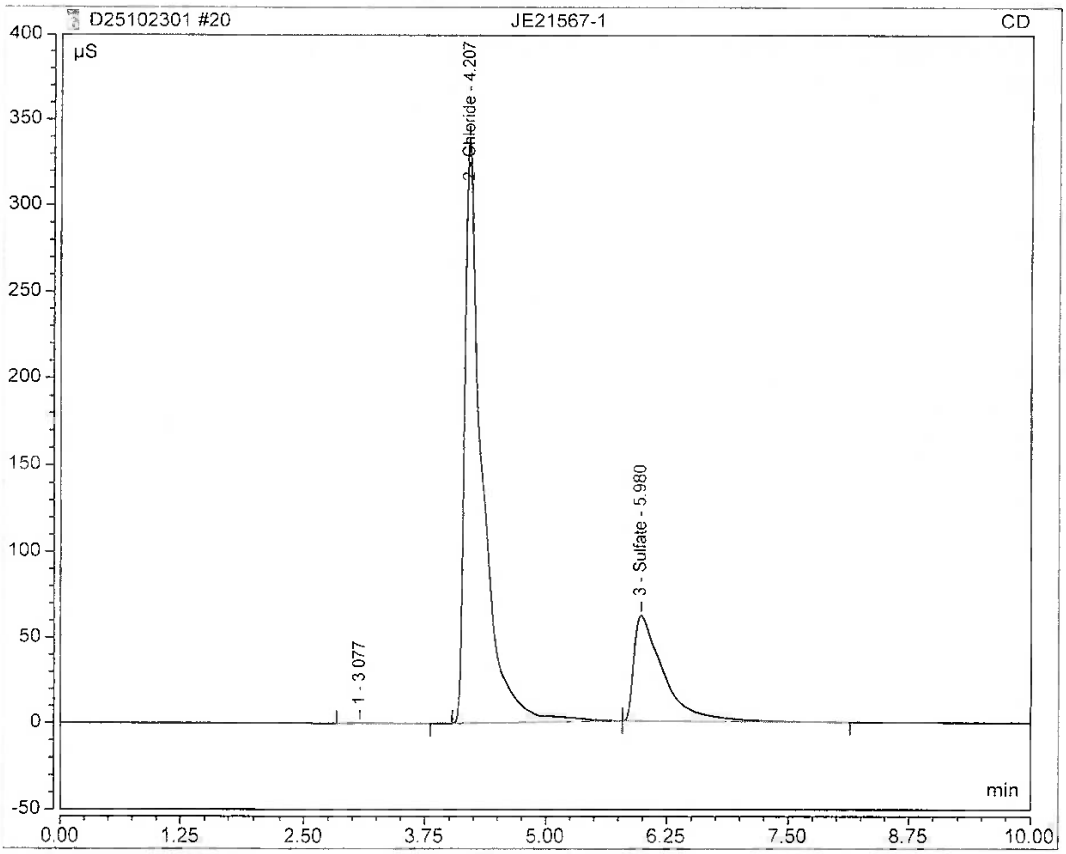
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	**JE21567-1**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**2.0000**
Instrument Method:	**Anions_012919**	*Operator:*	**Chemistry**
Inj. Date / Time:	**23-Oct-2025 / 12:20**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	4.21	Chloride	BMB	72.211	338.641	500.0184
3	5.98	Sulfate	BMB	21.918	61.918	206.8527
TOTAL:				94.13	400.56	706.87



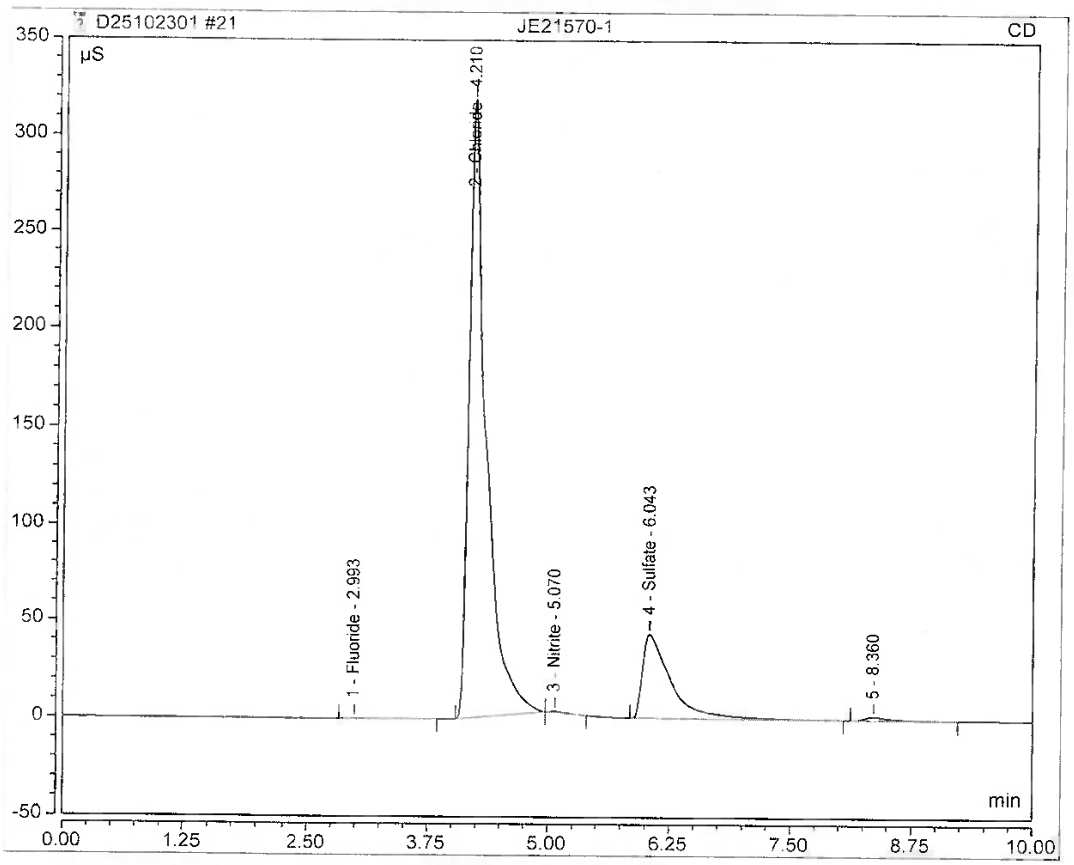
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	JE21570-1	*Inj. Vol.:*	5000.00
Injection Type:	Unknown	*Dilution Factor:*	3.0000
Instrument Method:	Anions_012919	*Operator:*	Chemistry
Inj. Date / Time:	23-Oct-2025 / 12:33	*Run Time:*	10.00

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.99	Fluoride	BMB	0.063	0.136	0.6744
2	4.21	Chloride	BMb	66.022	318.705	685.8273
3	5.07	Nitrite	bMB	0.128	0.723	3.2495
4	6.04	Sulfate	BMB	14.564	43.040	207.1832
TOTAL:				80.78	362.60	896.93



Anion/Integration

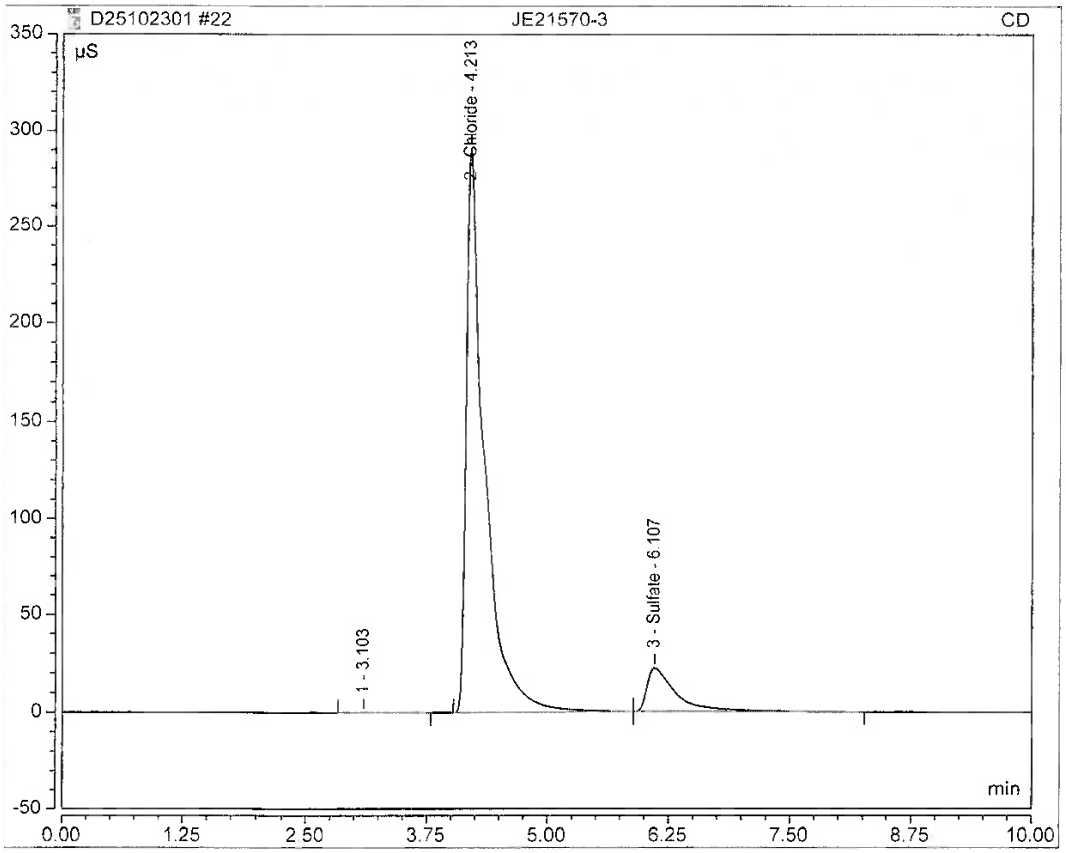
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	**JE21570-3**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**22.0000**
Instrument Method:	**Anions_012919**	*Operator:*	**Chemistry**
Inj. Date / Time:	**23-Oct-2025 / 12:46**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	4.21	Chloride	BMb	63.329	290.882	4824.5063
3	6.11	Sulfate	bMB	7.715	22.209	815.1875
TOTAL:				71.04	313.09	5639.69



Anion/Integration

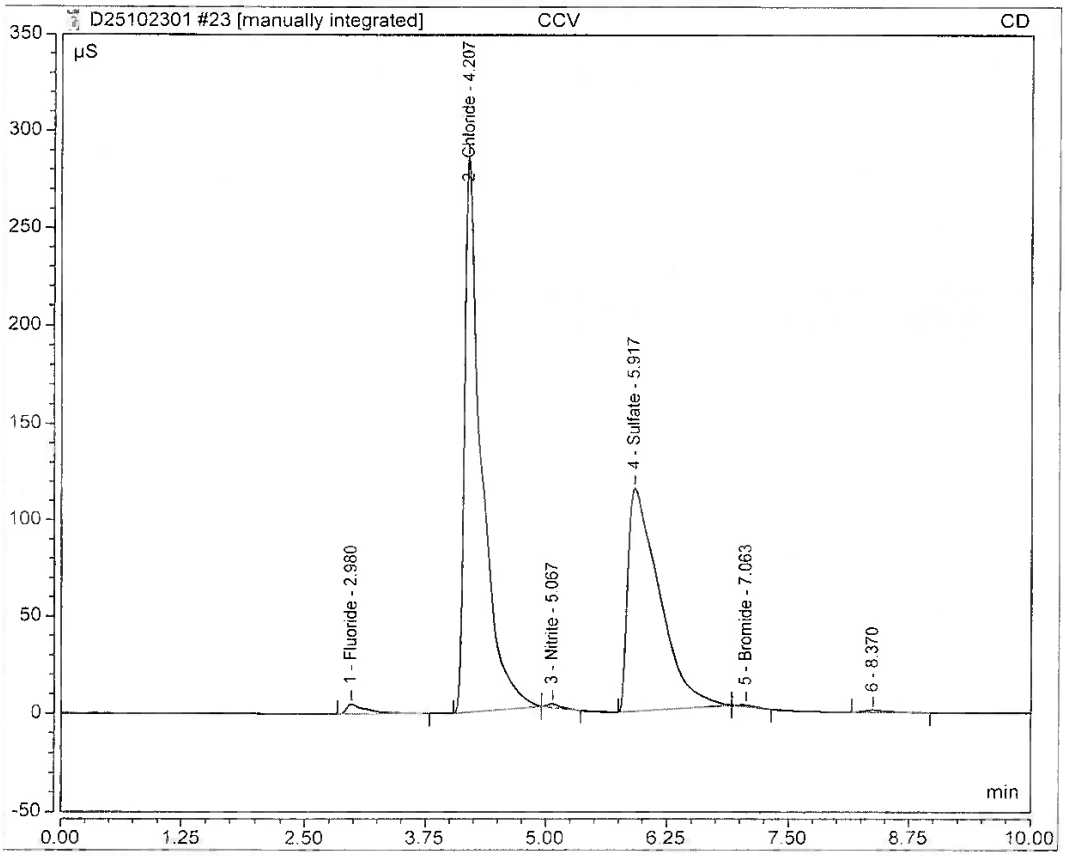
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	CCV	*Inj. Vol.:*	5000.00
Injection Type:	Unknown	*Dilution Factor:*	1.0000
Instrument Method:	Anions_012919	*Operator:*	Chemistry
Inj. Date / Time:	23-Oct-2025 / 12:58	*Run Time:*	10.00

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.98	Fluoride	BMB*	1.144	4.967	3.2550
2	4.21	Chloride	BMb	58.785	285.802	203.5834
3	5.07	Nitrite	bMB	0.288	1.872	2.6892
4	5.92	Sulfate	BMb	43.399	115.484	203.8015
5	7.06	Bromide	bMB	0.167	0.974	2.0924
TOTAL:				103.78	409.10	415.42



Anion/Integration

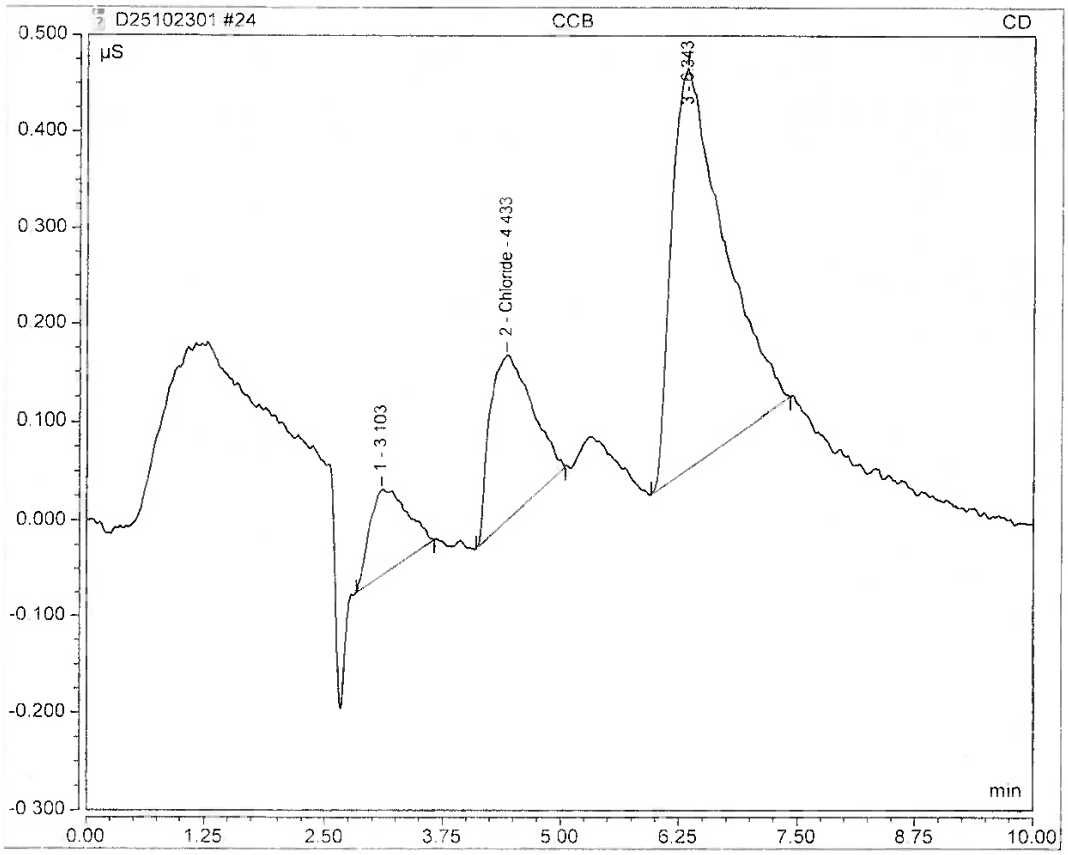
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	**CCB**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_012919**	*Operator:*	**Chemistry**
Inj. Date / Time:	**23-Oct-2025 / 13:11**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	4.43	Chloride	BMB	0.086	0.167	0.6173
		TOTAL:		0.09	0.17	0.62



Anion/Integration

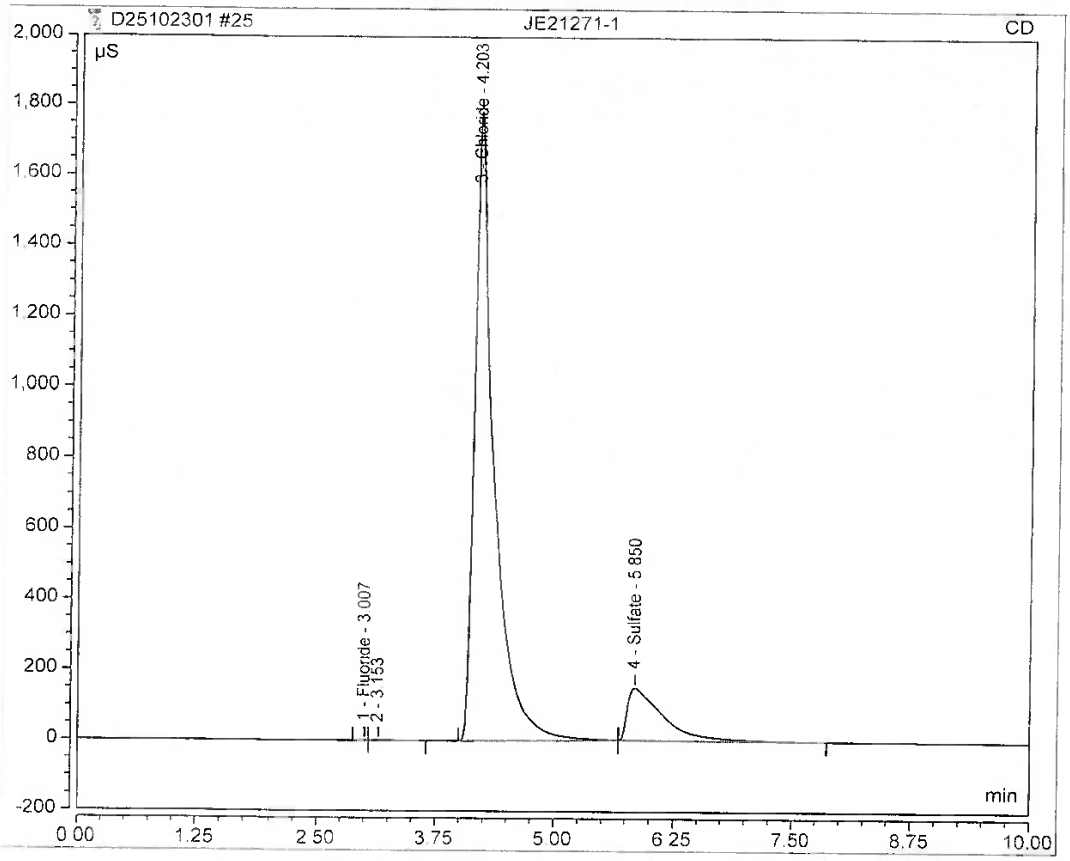
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	JE21271-1	*Inj. Vol.:*	5000.00
Injection Type:	Unknown	*Dilution Factor:*	2.0000
Instrument Method:	Anions_012919	*Operator:*	Chemistry
Inj. Date / Time:	23-Oct-2025 / 13:24	*Run Time:*	10.00

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	3.01	Fluoride	BM	0.023	0.214	0.2207
3	4.20	Chloride	BMB	421.733	1783.225	2917.1318
4	5.85	Sulfate	BMB	63.782	149.462	598.0978
TOTAL:				485.54	1932.90	3515.45



Anion/Integration

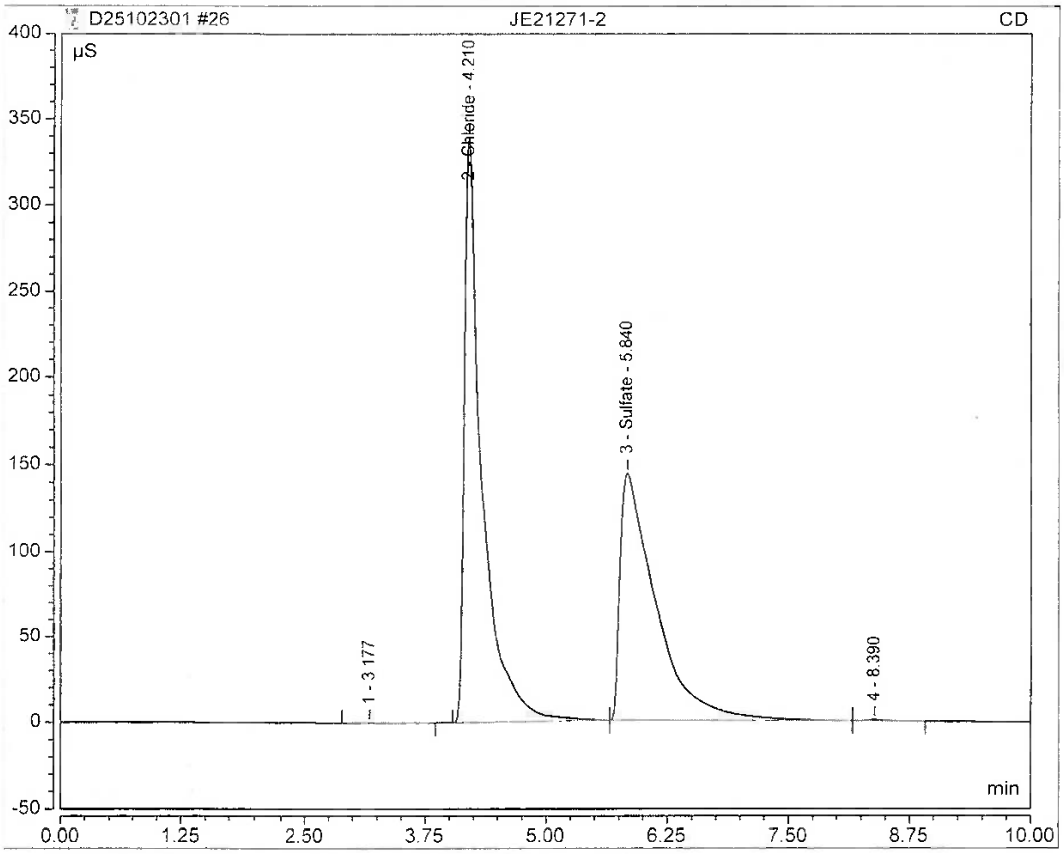
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	**JE21271-2**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**2.0000**
Instrument Method:	**Anions_012919**	*Operator:*	**Chemistry**
Inj. Date / Time:	**23-Oct-2025 / 13:37**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	4.21	Chloride	BMB	72.619	339.786	502.8372
3	5.84	Sulfate	BMb	61.974	143.937	581.1993
TOTAL:				134.59	483.72	1084.04



Anion/Integration

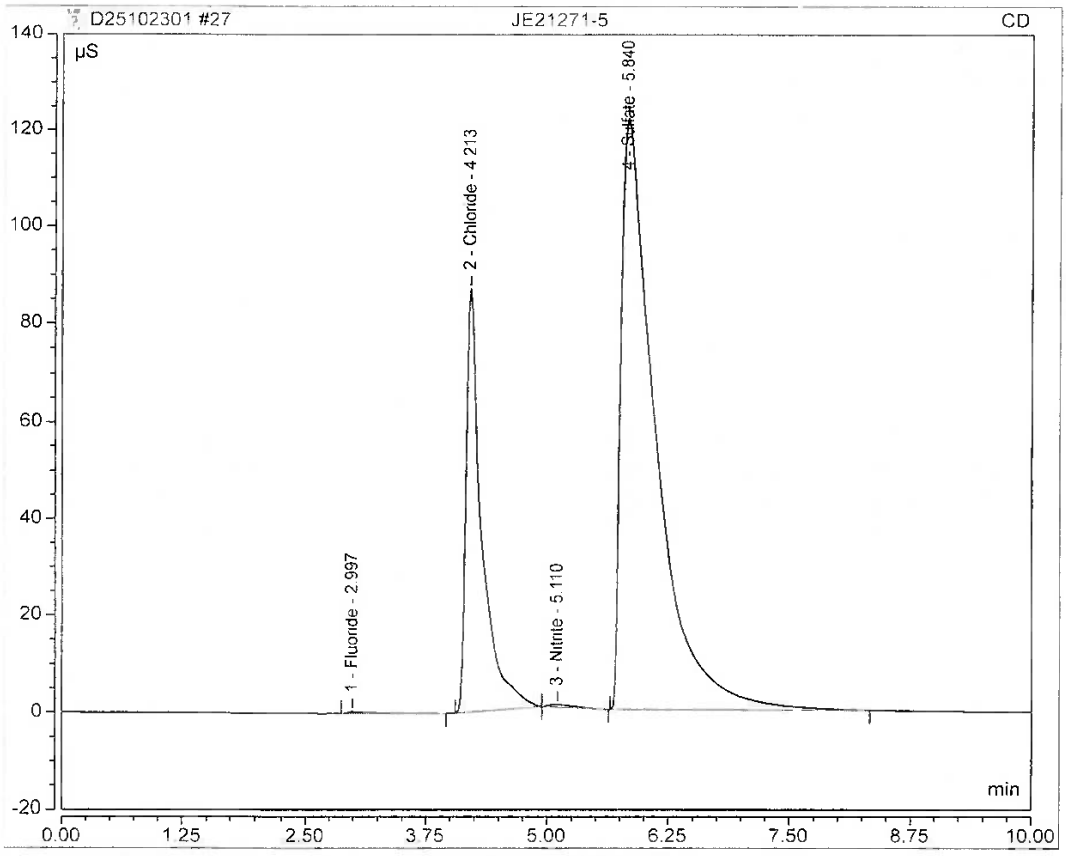
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	**JE21271-5**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**2.0000**
Instrument Method:	**Anions_012919**	*Operator:*	**Chemistry**
Inj. Date / Time:	**23-Oct-2025 / 13:50**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	3.00	Fluoride	BMB	0.110	0.354	0.7129
2	4.21	Chloride	BMb	16.464	86.986	114.4948
3	5.11	Nitrite	bMB	0.169	0.521	2.9867
4	5.84	Sulfate	BMB	50.644	121.979	475.3170
		TOTAL:		67.39	209.84	593.51



Anion/Integration

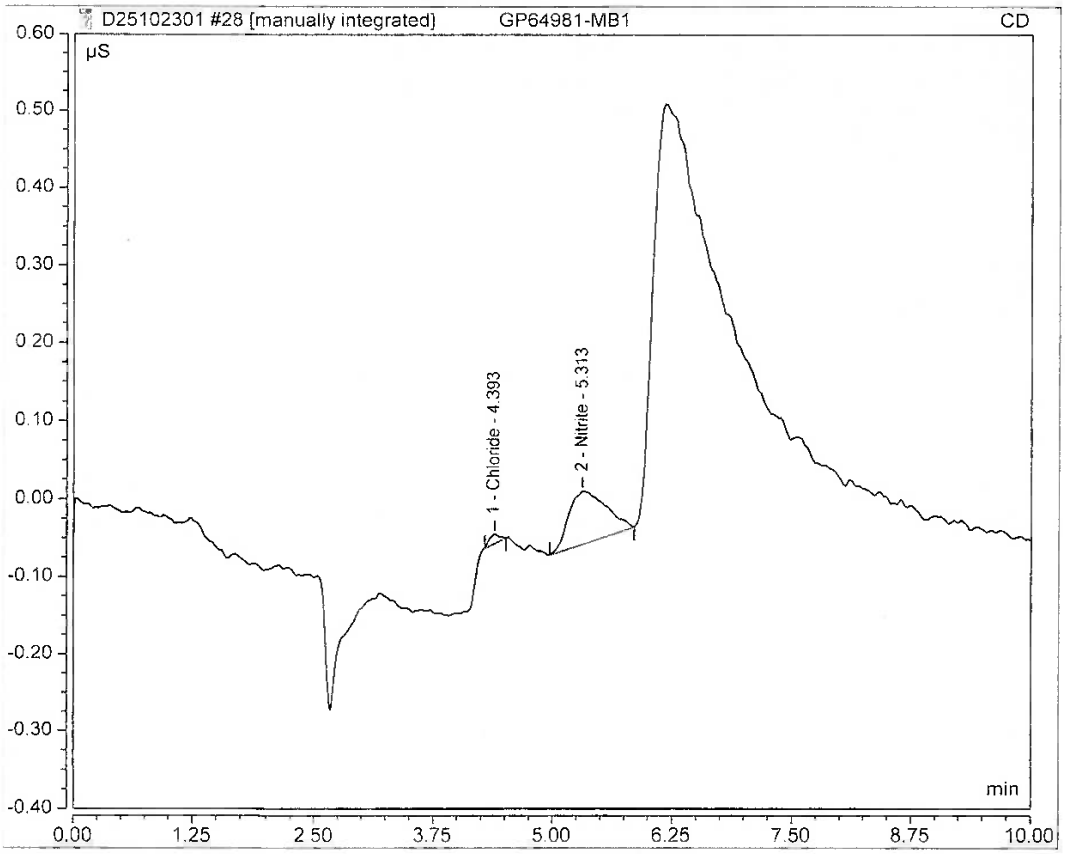
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	**GP64981-MB1**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_012919**	*Operator:*	**Chemistry**
Inj. Date / Time:	**23-Oct-2025 / 14:03**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	4.39	Chloride	BMB	0.001	0.013	0.3252
2	5.31	Nitrite	BMB	0.031	0.069	0.0999
TOTAL:				0.03	0.08	0.43



Anion/Integration

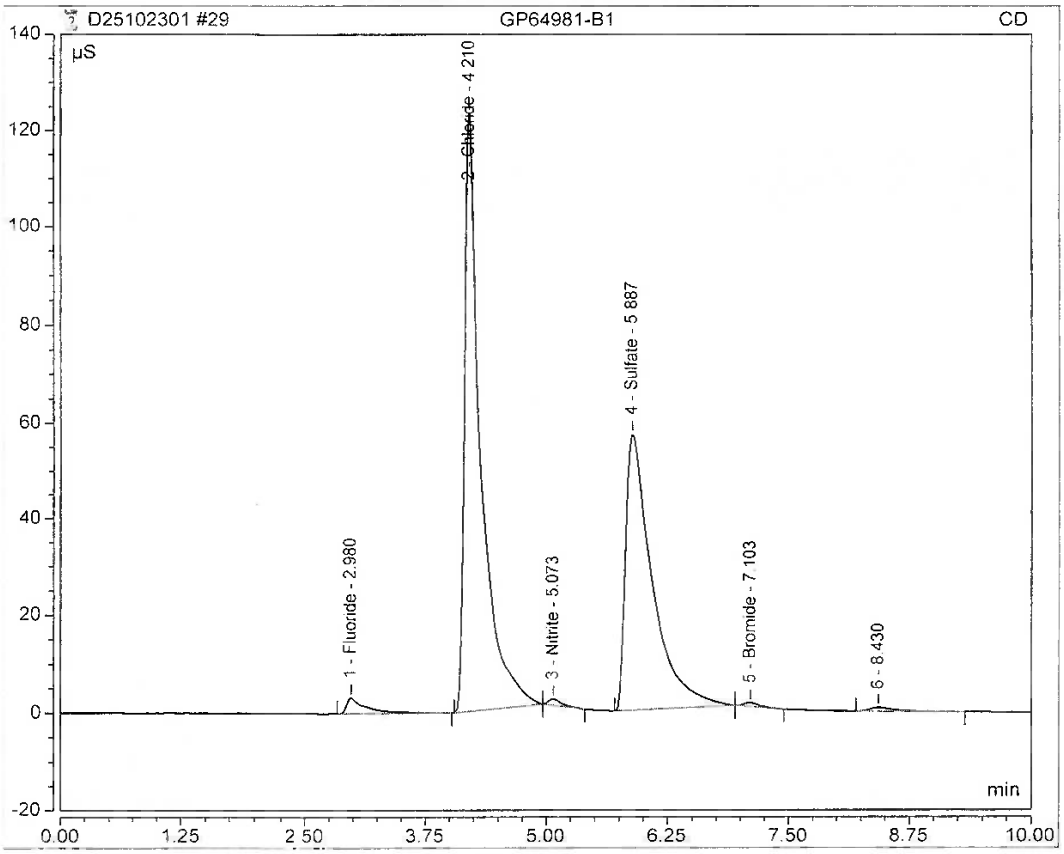
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	**GP64981-B1**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_012919**	*Operator:*	**Chemistry**
Inj. Date / Time:	**23-Oct-2025 / 14:16**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.98	Fluoride	BMB	0.767	3.242	2.1964
2	4.21	Chloride	BMb	23.789	123.362	82.5771
3	5.07	Nitrite	bMB	0.206	1.308	1.8694
4	5.89	Sulfate	BMb	18.085	57.112	85.5158
5	7.10	Bromide	bMB	0.145	0.760	1.8344
		TOTAL:		42.99	185.78	173.99



Anion/Integration

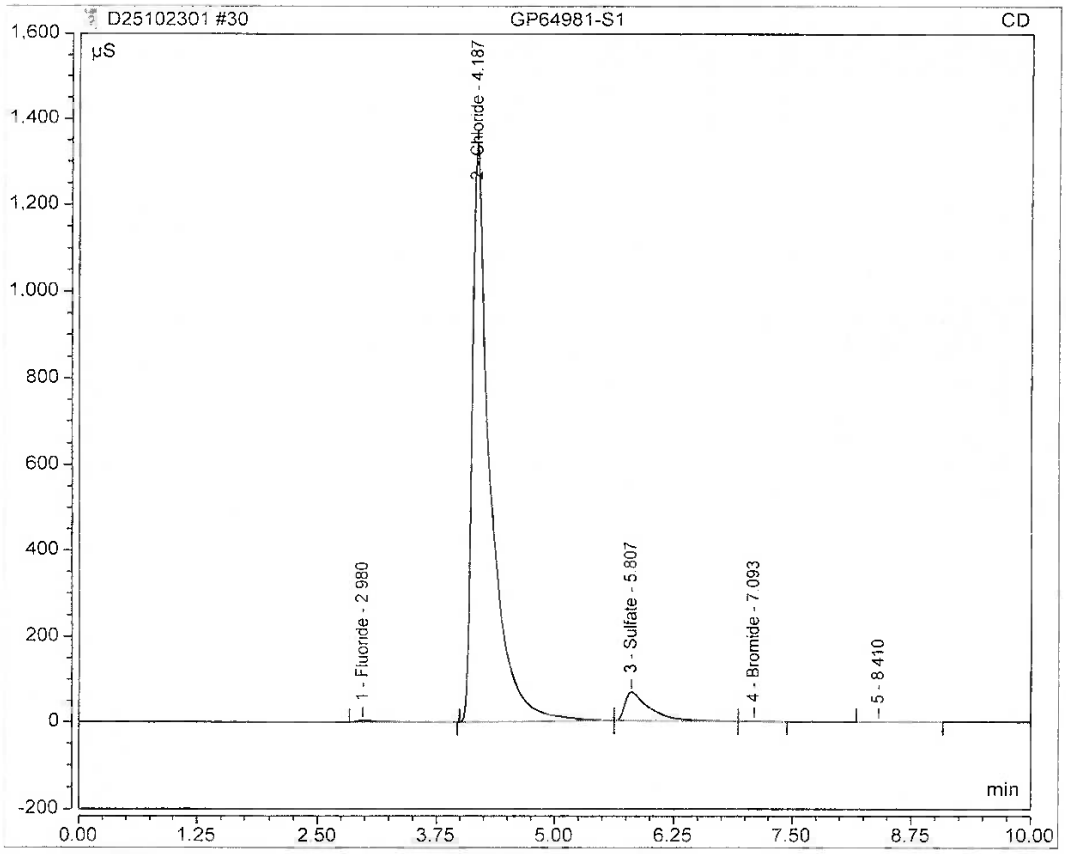
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	**GP64981-S1**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_012919**	*Operator:*	**Chemistry**
Inj. Date / Time:	**23-Oct-2025 / 14:29**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.98	Fluoride	BMB	1.172	4.014	3.3334
2	4.19	Chloride	BMb	296.307	1342.848	1024.8753
3	5.81	Sulfate	bMb	19.828	66.917	93.6594
4	7.09	Bromide	bMB	0.160	0.821	2.0109
		TOTAL:		317.47	1414.60	1123.88



Anion/Integration

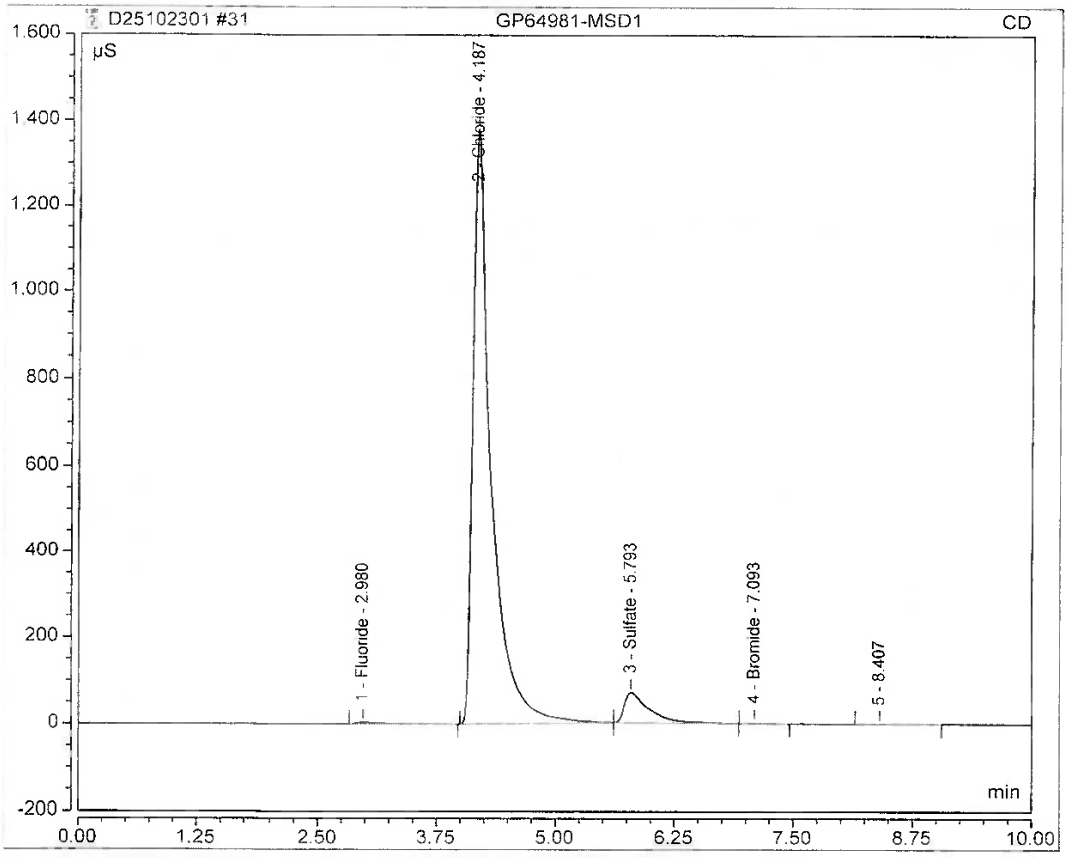
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	**GP64981-MSD1**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_012919**	*Operator:*	**Chemistry**
Inj. Date / Time:	**23-Oct-2025 / 14:42**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.98	Fluoride	BMB	1.225	4.248	3.4828
2	4.19	Chloride	BMb	304.976	1379.776	1054.8517
3	5.79	Sulfate	bMB	20.301	68.697	95.8667
4	7.09	Bromide	BMB	0.169	0.863	2.1206
TOTAL:				326.67	1453.59	1156.32



Anion/Integration

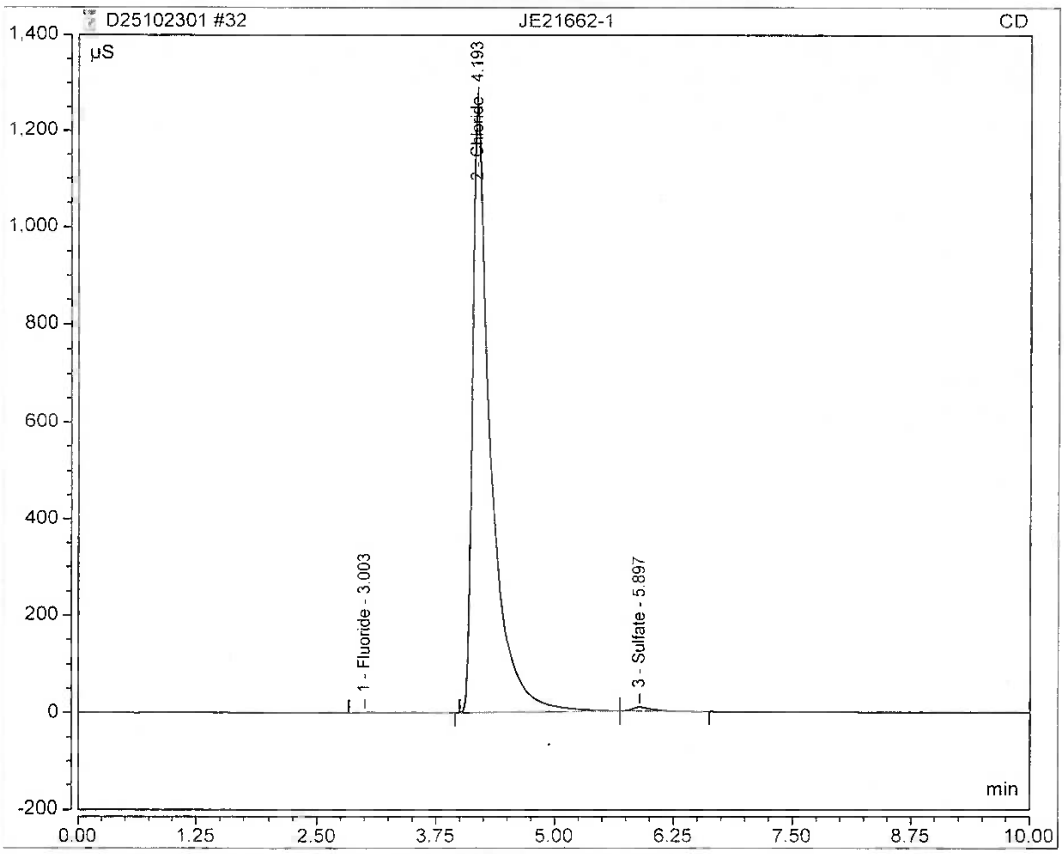
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	**JE21662-1**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_012919**	*Operator:*	**Chemistry**
Inj. Date / Time:	**23-Oct-2025 / 14:55**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	3.00	Fluoride	BMB	0.214	0.582	0.6458
2	4.19	Chloride	BMb	277.719	1253.516	960.6033
3	5.90	Sulfate	bMB	1.987	8.341	10.2910
TOTAL:				279.92	1262.44	971.54



Anion/Integration

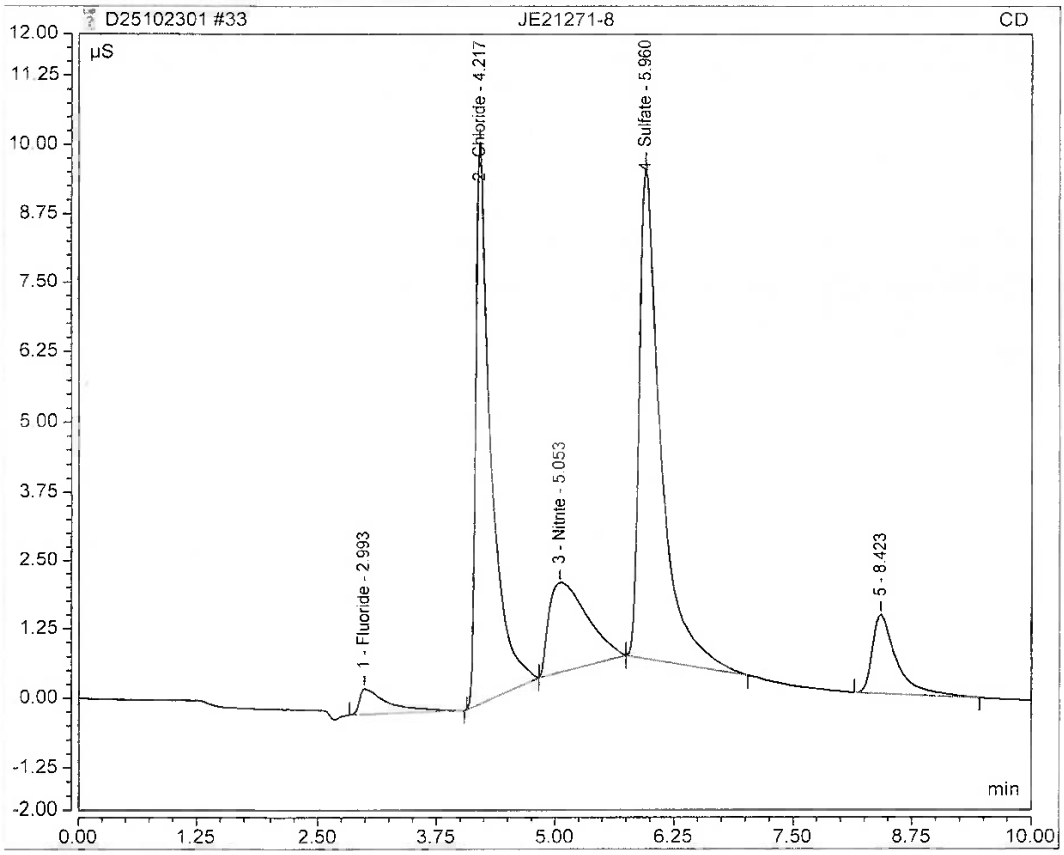
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	**JE21271-8**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_012919**	*Operator:*	**Chemistry**
Inj. Date / Time:	**23-Oct-2025 / 15:08**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.99	Fluoride	BMB	0.164	0.463	0.5077
2	4.22	Chloride	BMB	1.883	10.146	6.8316
3	5.05	Nitrite	BMb	0.753	1.620	7.3712
4	5.96	Sulfate	bMB	2.308	8.850	11.7913
TOTAL:				5.11	21.08	26.50



Anion/Integration

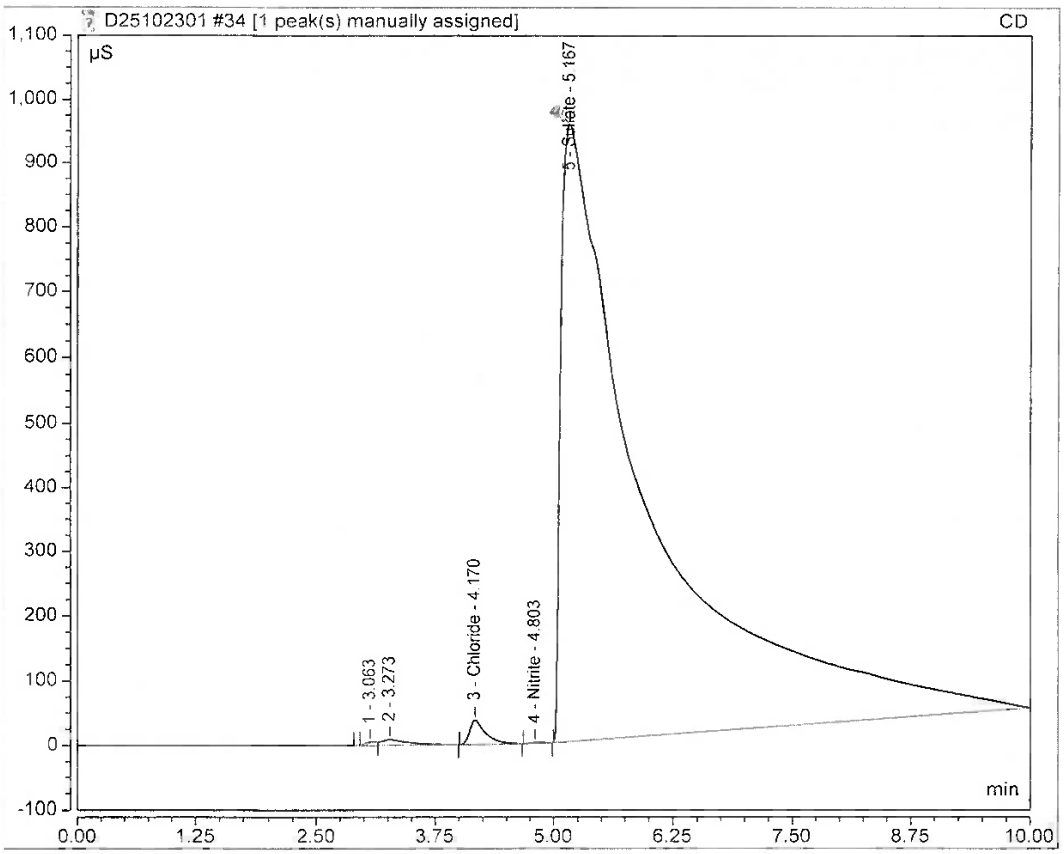
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion 1
Sequence: D25102301

Peak Integration Report

Sample Name:	**JE21271-9**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_012919**	*Operator:*	**Chemistry**
Inj. Date / Time:	**23-Oct-2025 / 15:21**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
3	4.17	Chloride	BMB	7.243	37.659	25.3650
4	4.80	Nitrite	BMB	0.253	1.321	2.3364
5	5.17	Sulfate	BMB^	1030.105	956.253	4814.5334
TOTAL:				1037.60	995.23	4842.23



Anion/Integration

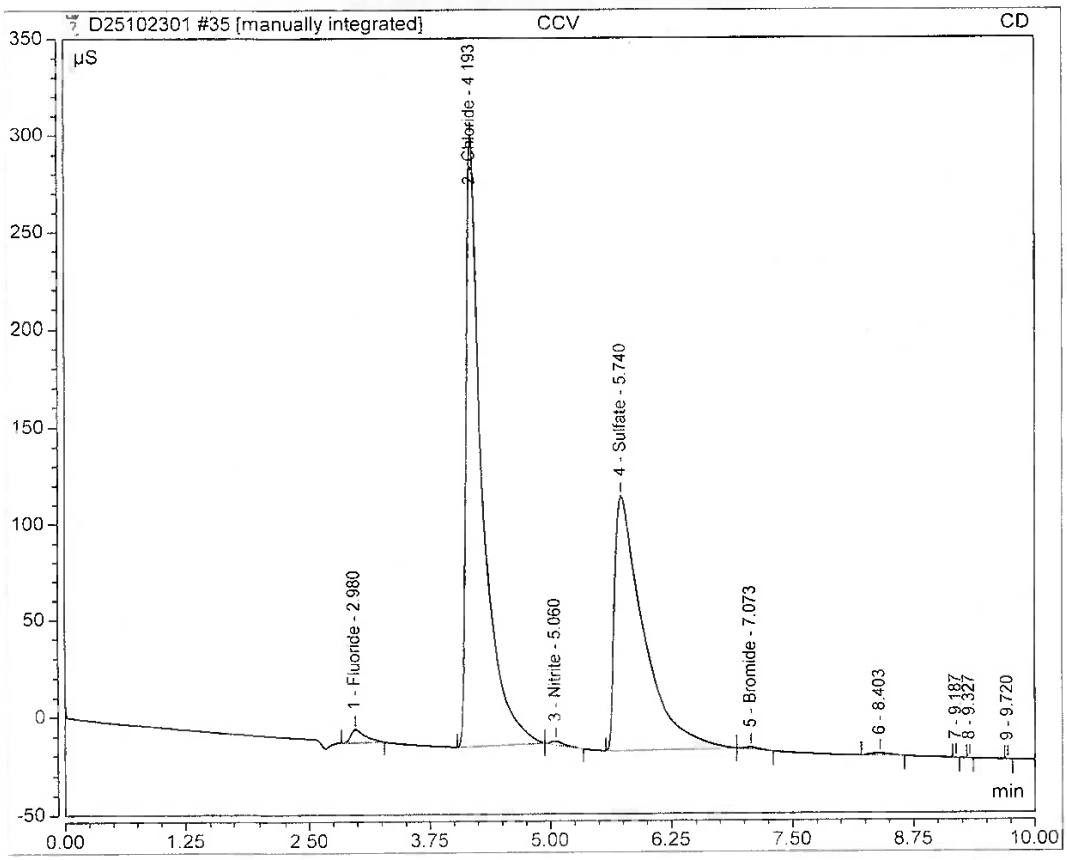
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	**CCV**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_012919**	*Operator:*	**Chemistry**
Inj. Date / Time:	**23-Oct-2025 / 15:34**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.98	Fluoride	BMB*	1.149	6.795	3.2688
2	4.19	Chloride	BMb	60.608	315.234	209 8890
3	5.06	Nitrite	bMB	0.279	1.924	2.6042
4	5.74	Sulfate	BMb	45.755	132.187	214.8097
5	7.07	Bromide	bMB	0.204	1.200	2.5303
TOTAL:				108.00	457.34	433.10



Anion/Integration

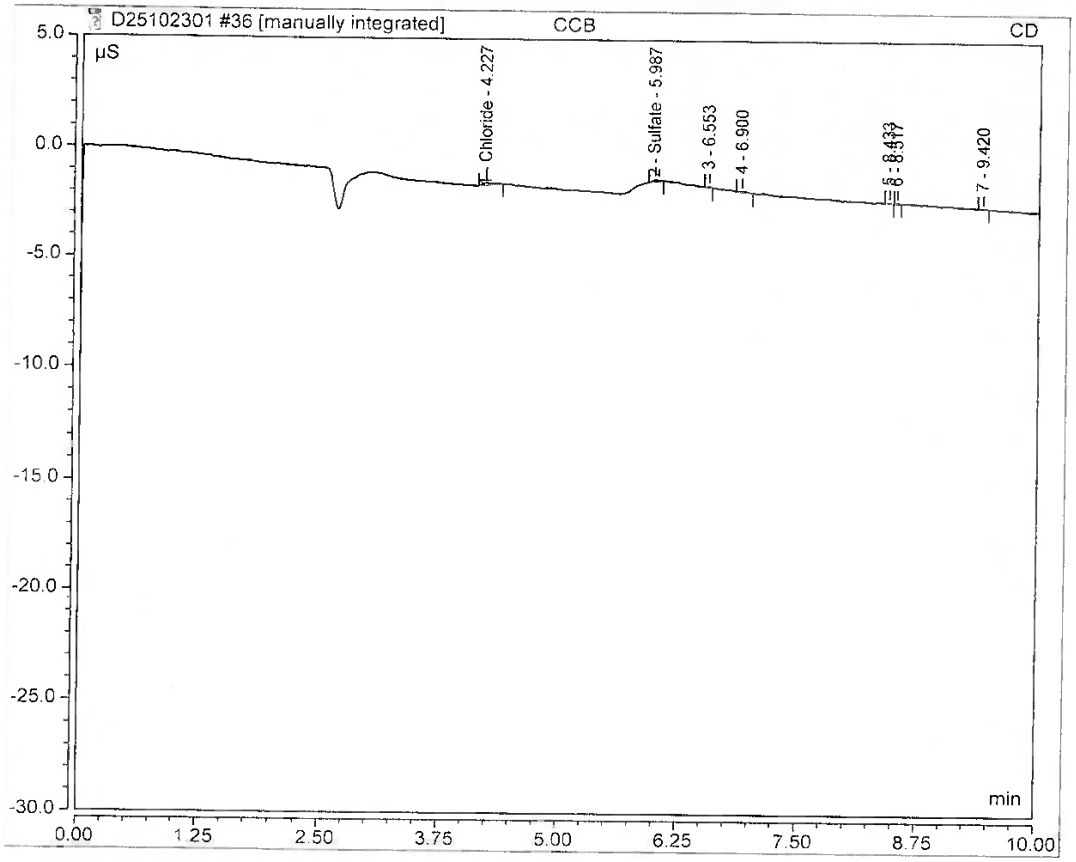
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	CCB	*Inj. Vol.:*	5000.00
Injection Type:	Unknown	*Dilution Factor:*	1.0000
Instrument Method:	Anions_012919	*Operator:*	Chemistry
Inj. Date / Time:	23-Oct-2025 / 15:47	*Run Time:*	10.00

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	4.23	Chloride	BMB	0.016	0.126	0.3752
2	5.99	Sulfate	BMB	0.008	0.085	1.0410
TOTAL:				0.02	0.21	1.42



Anion/Integration

Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

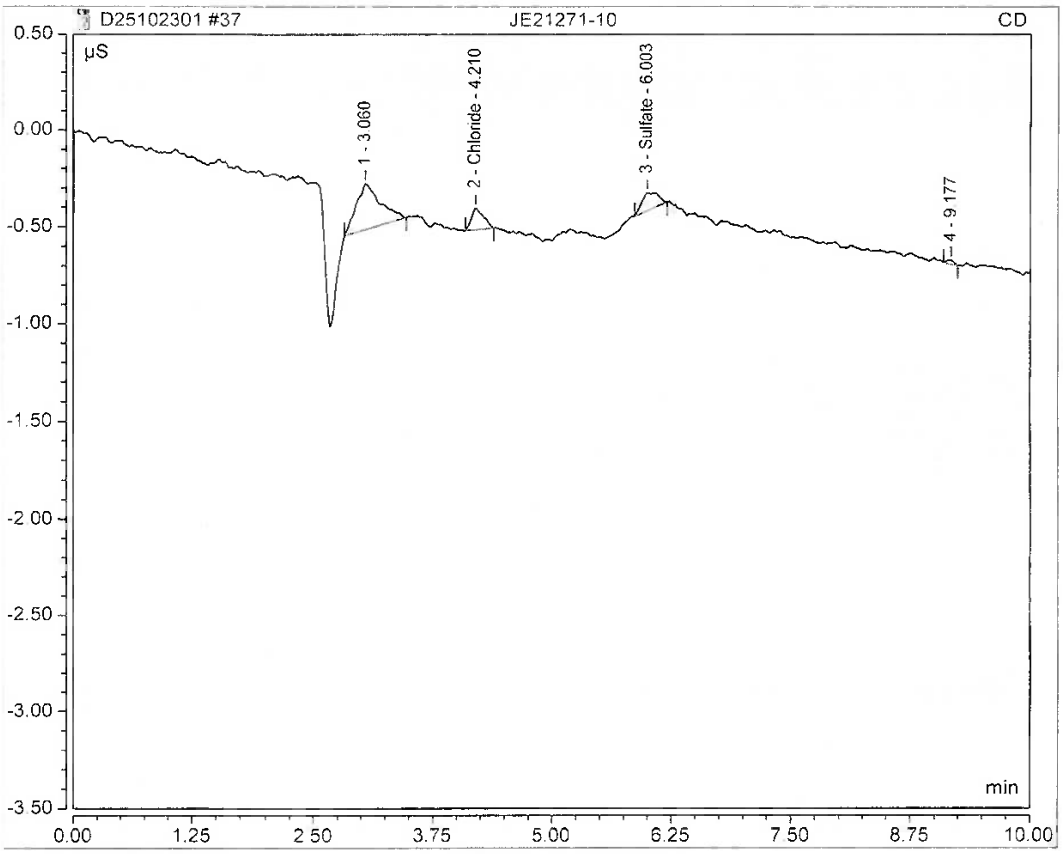
15.5
15

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	**JE21271-10**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_012919**	*Operator:*	**Chemistry**
Inj. Date / Time:	**23-Oct-2025 / 15:59**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	4.21	Chloride	BMB	0.016	0.112	0.3745
3	6.00	Sulfate	BMB	0.017	0.092	1.0856
TOTAL:				0.03	0.20	1.46



Anion/Integration

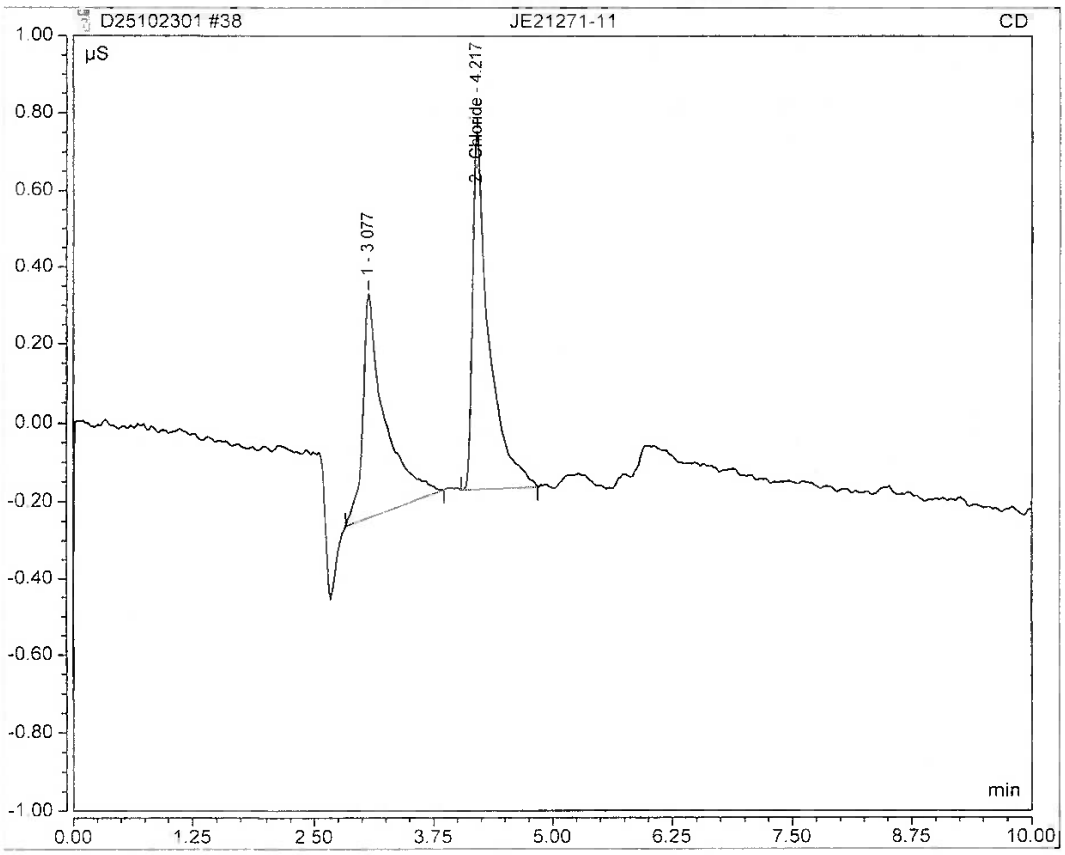
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	**JE21271-11**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_012919**	*Operator:*	**Chemistry**
Inj. Date / Time:	**23-Oct-2025 / 16:12**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	4 22	Chloride	BMB	0.181	0.921	0.9458
		TOTAL:		0.18	0.92	0.95



Anion/Integration

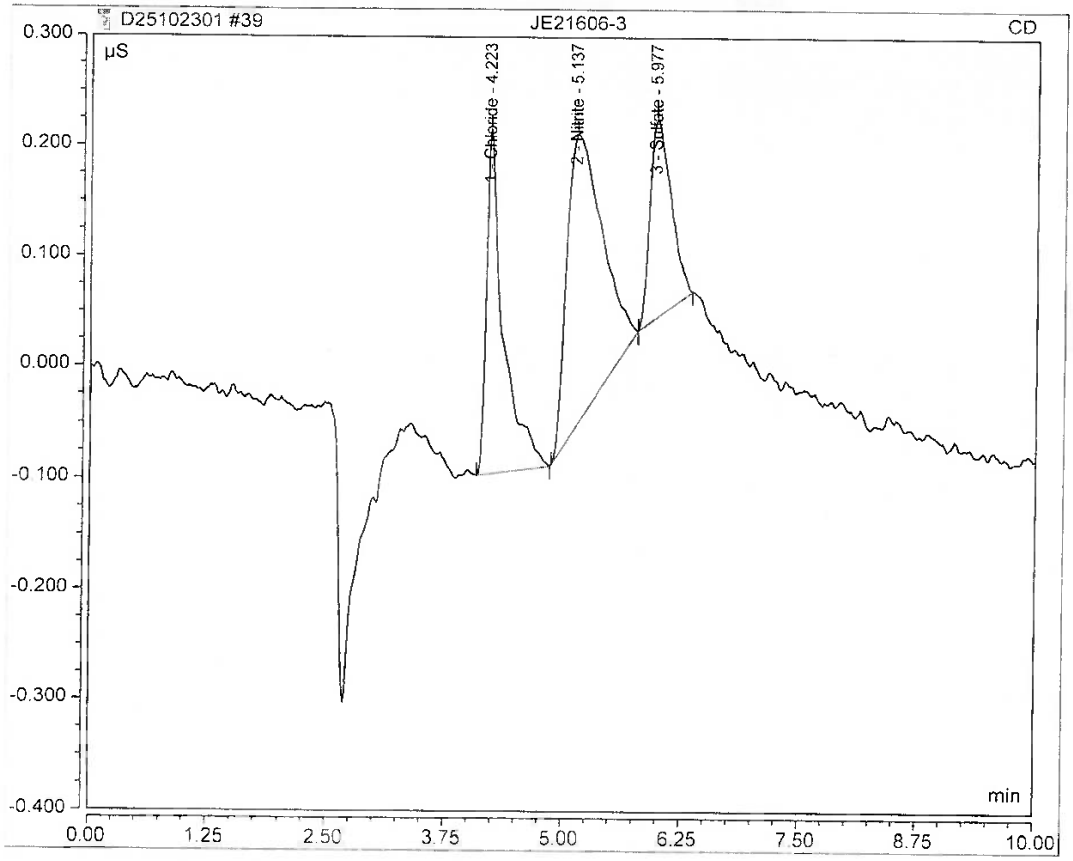
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion 1
Sequence: D25102301

Peak Integration Report

Sample Name:	**JE21606-3**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_012919**	*Operator:*	**Chemistry**
Inj. Date / Time:	**23-Oct-2025 / 16:25**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	4.22	Chloride	BMB	0.065	0.311	0.5436
2	5.14	Nitrite	BMB	0.112	0.264	0.9217
3	5.98	Sulfate	BMB	0.046	0.181	1.2207
TOTAL:				0.22	0.76	2.69



Anion/Integration

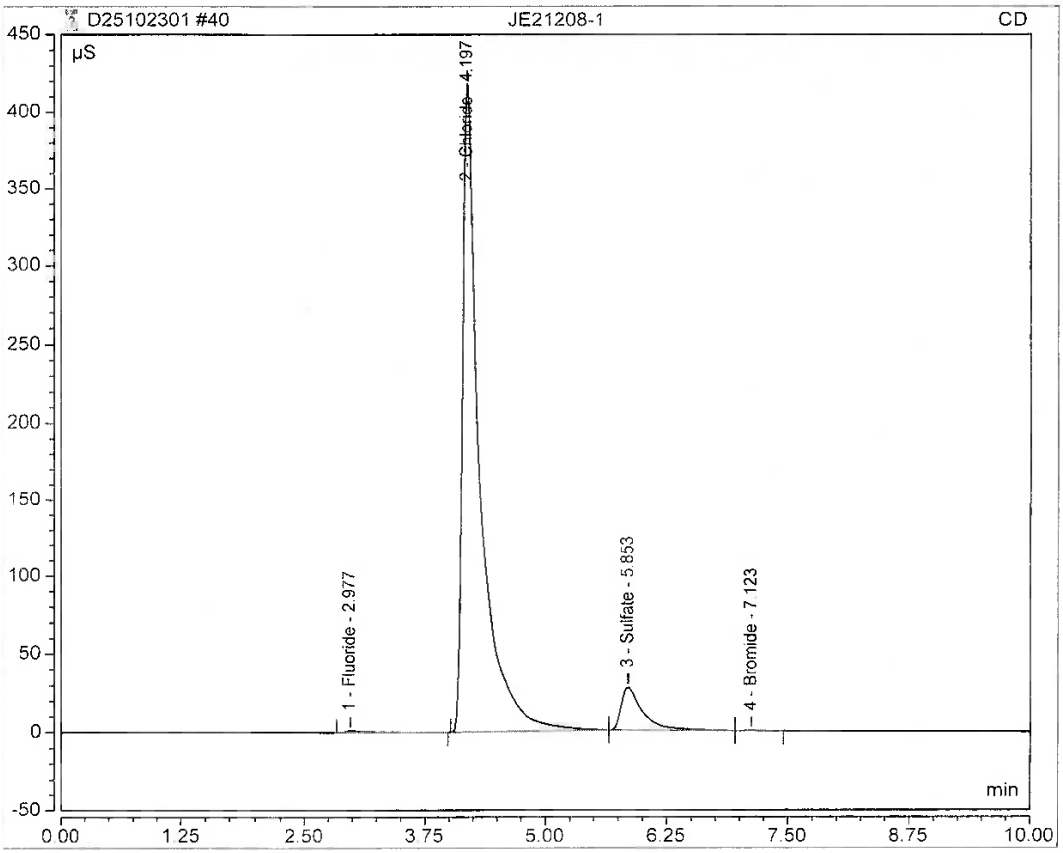
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	JE21208-1	*Inj. Vol.:*	5000.00
Injection Type:	Unknown	*Dilution Factor:*	1.0000
Instrument Method:	Anions_012919	*Operator:*	Chemistry
Inj. Date / Time:	23-Oct-2025 / 16:38	*Run Time:*	10.00

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.98	Fluoride	BMB	0.307	1.147	0.9070
2	4.20	Chloride	BMb	86.480	418.099	299.3463
3	5.85	Sulfate	bMb	6.892	27.202	33.2083
4	7.12	Bromide	bMB	0.045	0.236	0.6602
TOTAL:				93.72	446.68	334.12



Anion/Integration

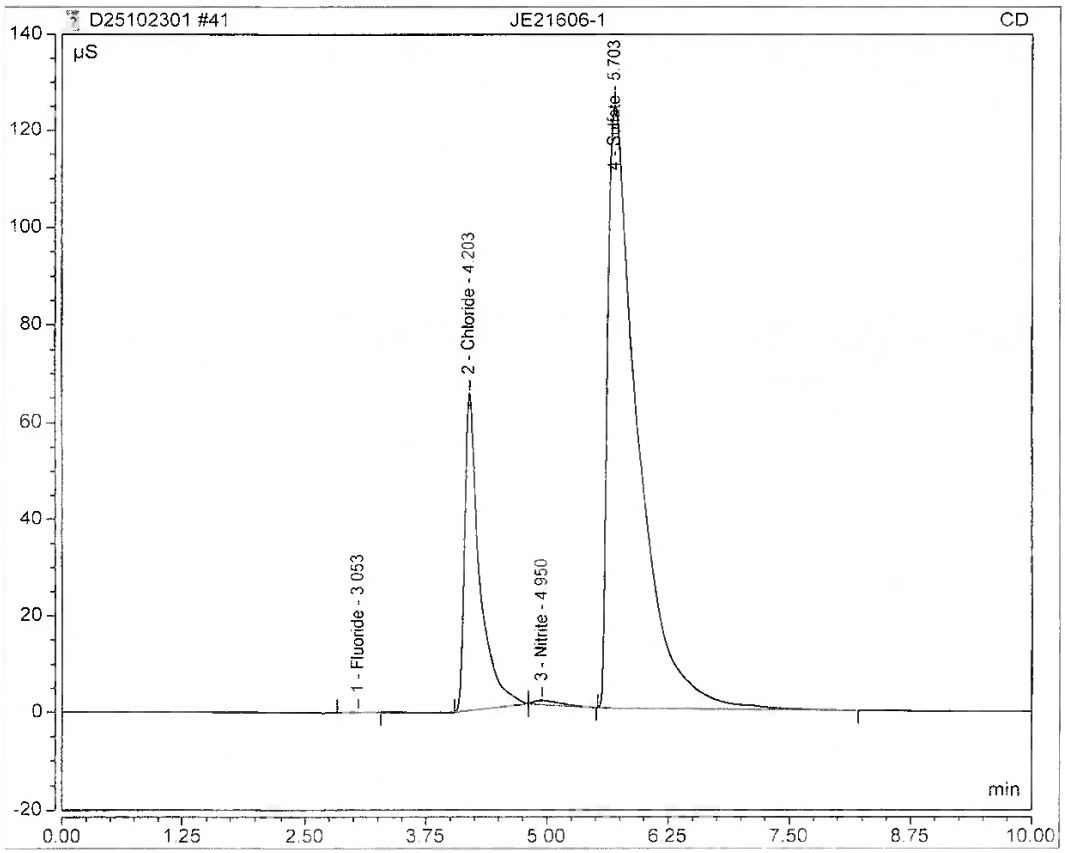
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	**JE21606-1**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**5.0000**
Instrument Method:	**Anions_012919**	*Operator:*	**Chemistry**
Inj. Date / Time:	**23-Oct-2025 / 16:51**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	3.05	Fluoride	BMB	0.011	0.049	0.3826
2	4.20	Chloride	BMb	11.756	65.531	204.8436
3	4.95	Nitrite	bMB	0.278	0.866	12.9599
4	5.70	Sulfate	BMB	44.694	124.536	1049.2733
TOTAL:				56.74	190.98	1267.46



Anion/Integration

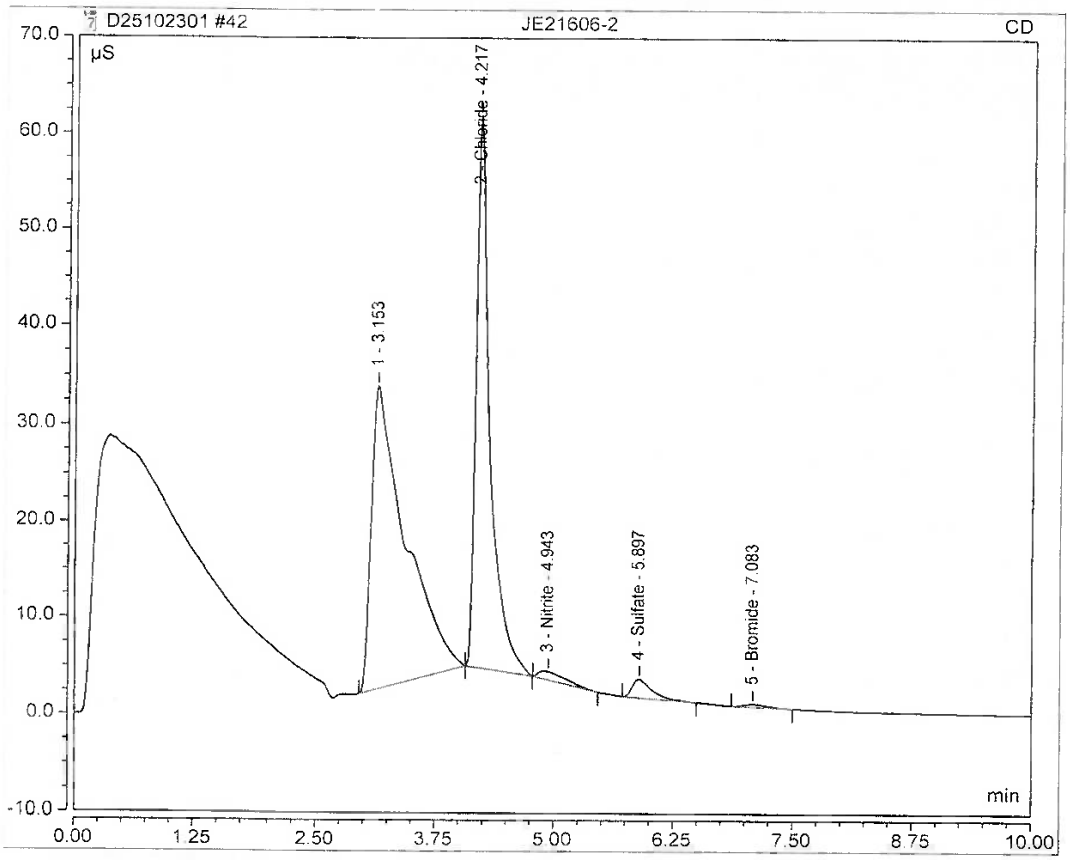
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	**JE21606-2**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**5.0000**
Instrument Method:	**Anions_012919**	*Operator:*	**Chemistry**
Inj. Date / Time:	**23-Oct-2025 / 17:04**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	4.22	Chloride	BMB	9.573	57.082	167.1117
3	4.94	Nitrite	BMB	0.285	0.860	13.2980
4	5.90	Sulfate	BMB	0.454	1.945	15.6372
5	7.08	Bromide	BMB	0.083	0.303	5.5287
TOTAL:				10.40	60.19	201.58



Anion/Integration

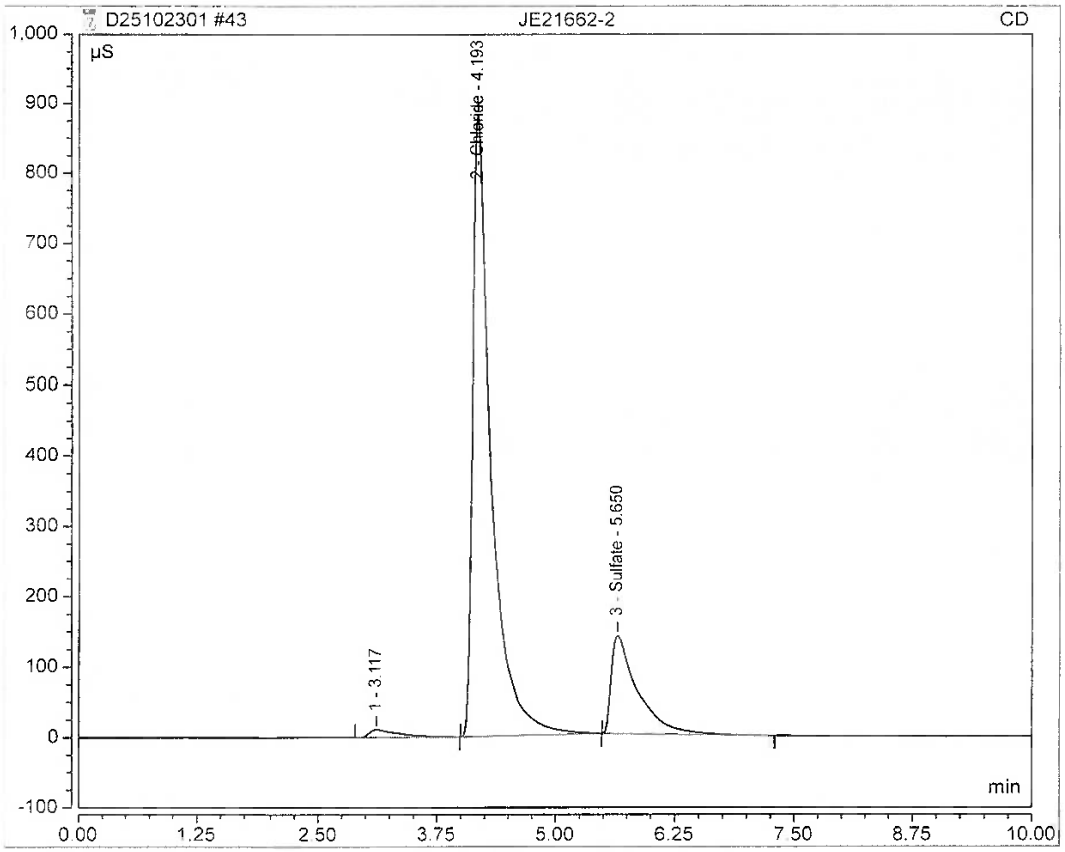
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	**JE21662-2**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_012919**	*Operator:*	**Chemistry**
Inj. Date / Time:	**23-Oct-2025 / 17:17**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	4.19	Chloride	BMB	195.008	882.900	674.6097
3	5.65	Sulfate	BMB	44.827	139.915	210.4741
TOTAL:				239.84	1022.82	885.08



Anion/Integration

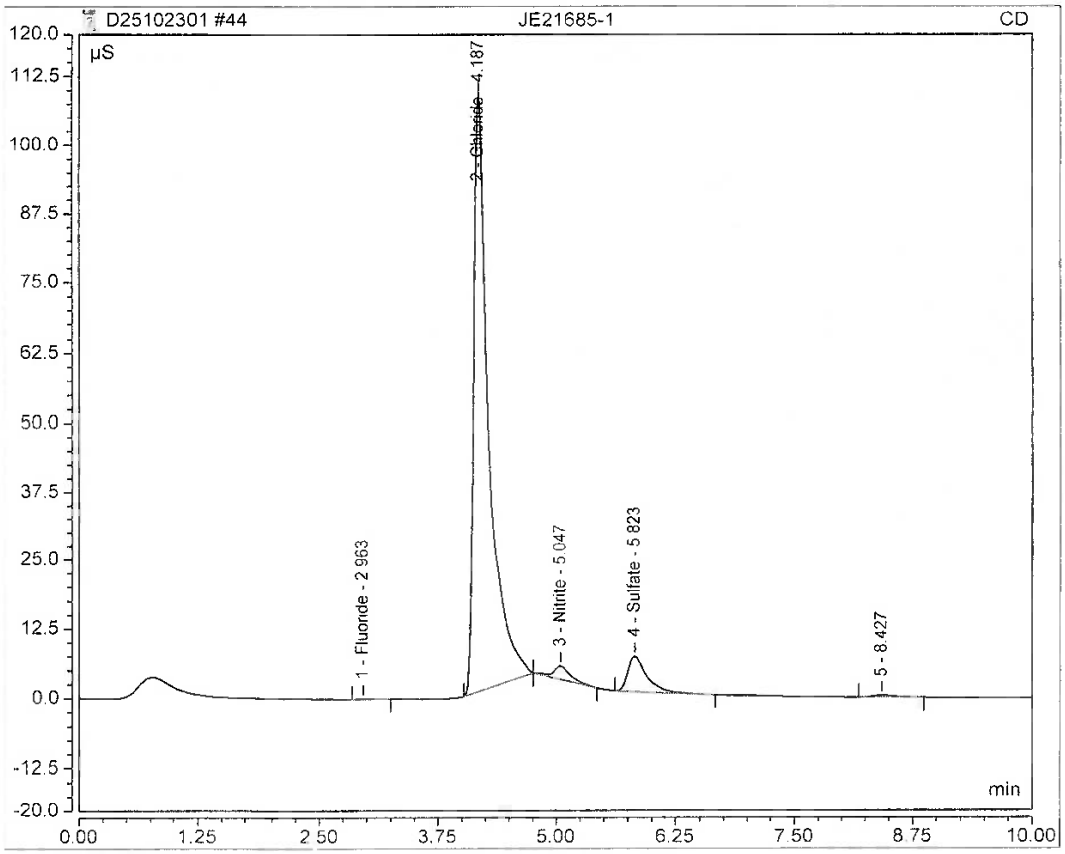
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	JE21685-1	*Inj. Vol.:*	5000.00
Injection Type:	Unknown	*Dilution Factor:*	1.0000
Instrument Method:	Anions_012919	*Operator:*	Chemistry
Inj. Date / Time:	23-Oct-2025 / 17:30	*Run Time:*	10.00

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.96	Fluoride	BMB	0.019	0.091	0.0998
2	4.19	Chloride	BMb	19.806	108.272	68.8041
3	5.05	Nitrite	bMB	0.496	2.415	4.7896
4	5.82	Sulfate	BMB	1.457	6.322	7.8122
TOTAL:				21.78	117.10	81.51



Anion/Integration

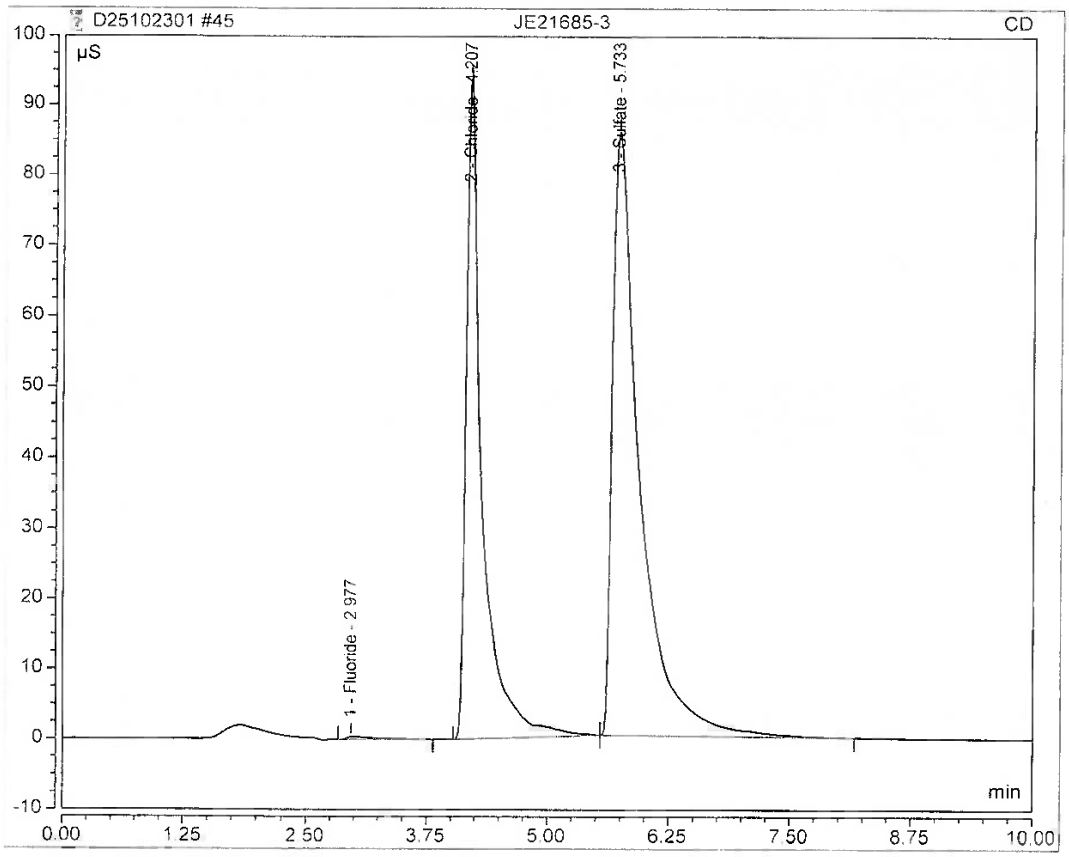
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	**JE21685-3**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_012919**	*Operator:*	**Chemistry**
Inj. Date / Time:	**23-Oct-2025 / 17:43**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.98	Fluoride	BMB	0.126	0.364	0.3999
2	4.21	Chloride	BMB	18.213	93.908	63.2953
3	5.73	Sulfate	BMB	28.361	85.668	133.5298
TOTAL:				46.70	179.94	197.22



Anion/Integration

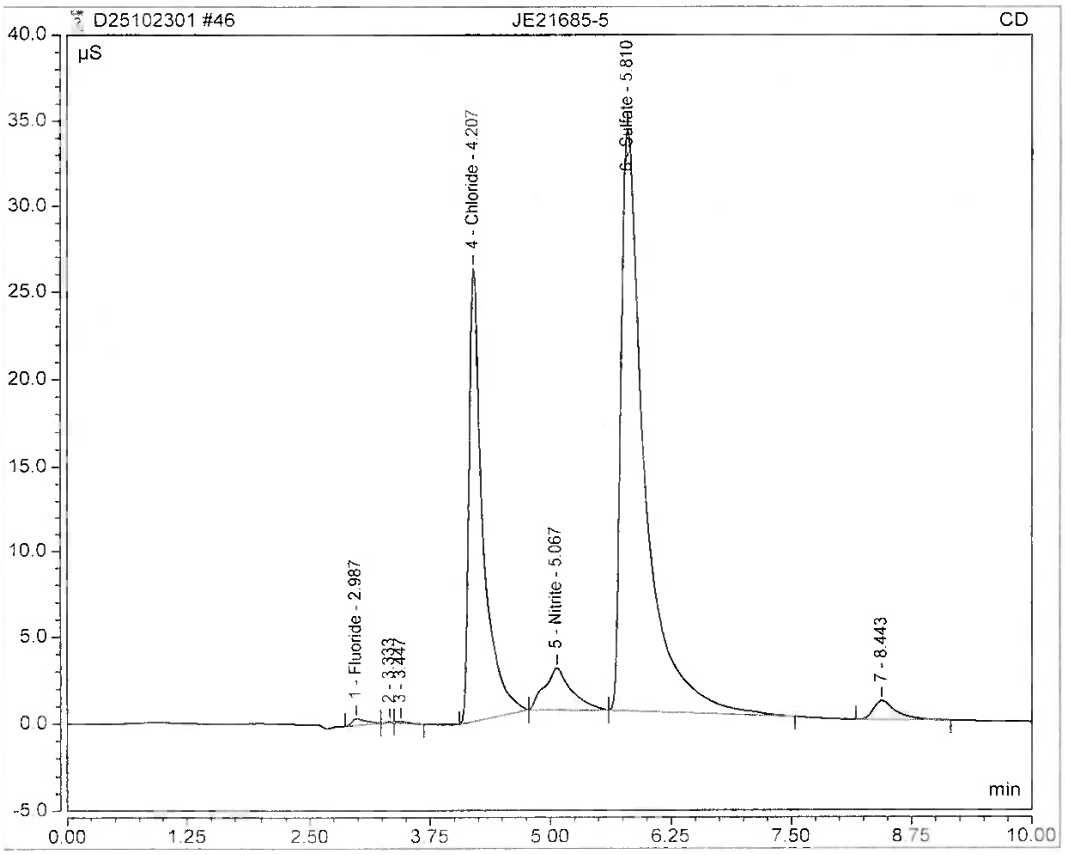
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	JE21685-5	*Inj. Vol.:*	5000.00
Injection Type:	Unknown	*Dilution Factor:*	1.0000
Instrument Method:	Anions_012919	*Operator:*	Chemistry
Inj. Date / Time:	23-Oct-2025 / 17:56	*Run Time:*	10.00

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.99	Fluoride	BMb	0.061	0.369	0.2182
4	4.21	Chloride	BMb	4.463	26.215	15.7504
5	5.07	Nitrite	bMB	0.774	2.406	7.5794
6	5.81	Sulfate	BMB	9.537	33.701	45.5708
TOTAL:				14.83	62.69	69.12



Anion/Integration

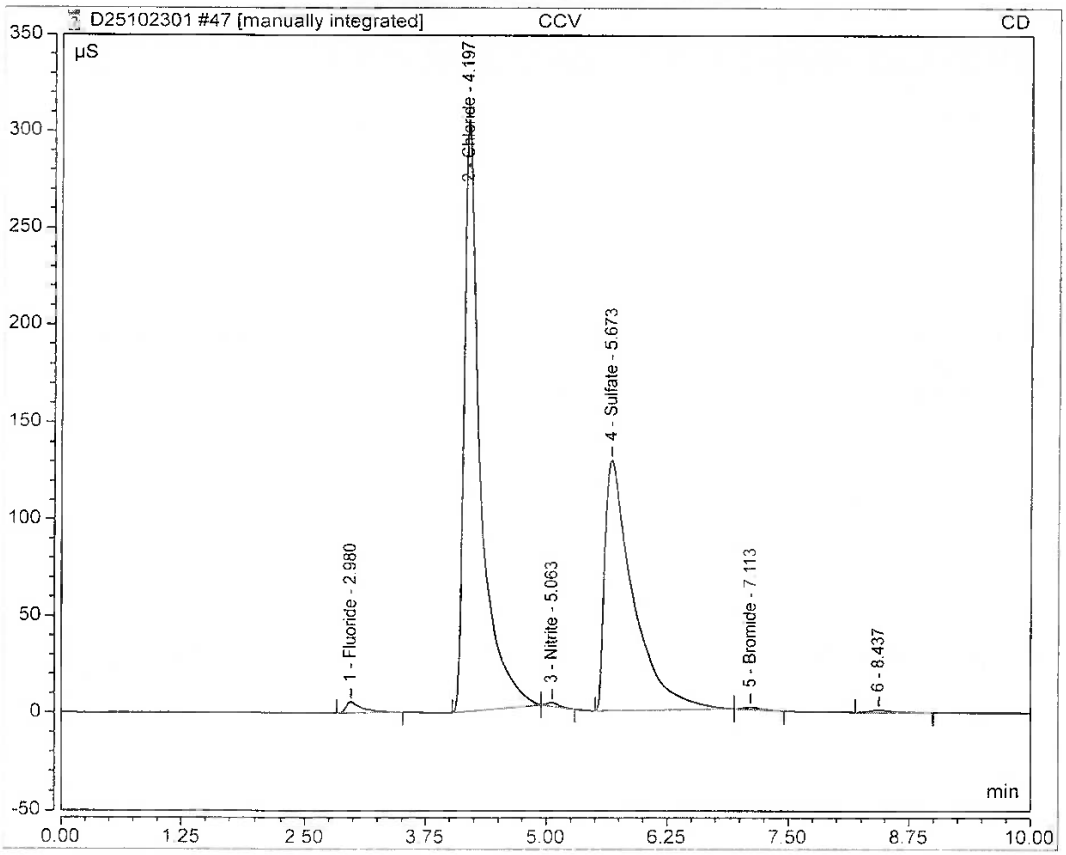
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	CCV	*Inj. Vol.:*	5000.00
Injection Type:	Unknown	*Dilution Factor:*	1.0000
Instrument Method:	Anions_012919	*Operator:*	Chemistry
Inj. Date / Time:	23-Oct-2025 / 18:09	*Run Time:*	10.00

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.98	Fluoride	BMB*	1.068	5.593	3.0428
2	4.20	Chloride	BMb	58.919	305.329	204.0473
3	5.06	Nitrite	bMB	0.252	1.918	2.3330
4	5.67	Sulfate	BMb	44.230	129.846	207.6852
5	7.11	Bromide	bMB	0.234	1.241	2.8772
TOTAL:				104.70	443.93	419.99



Anion/Integration

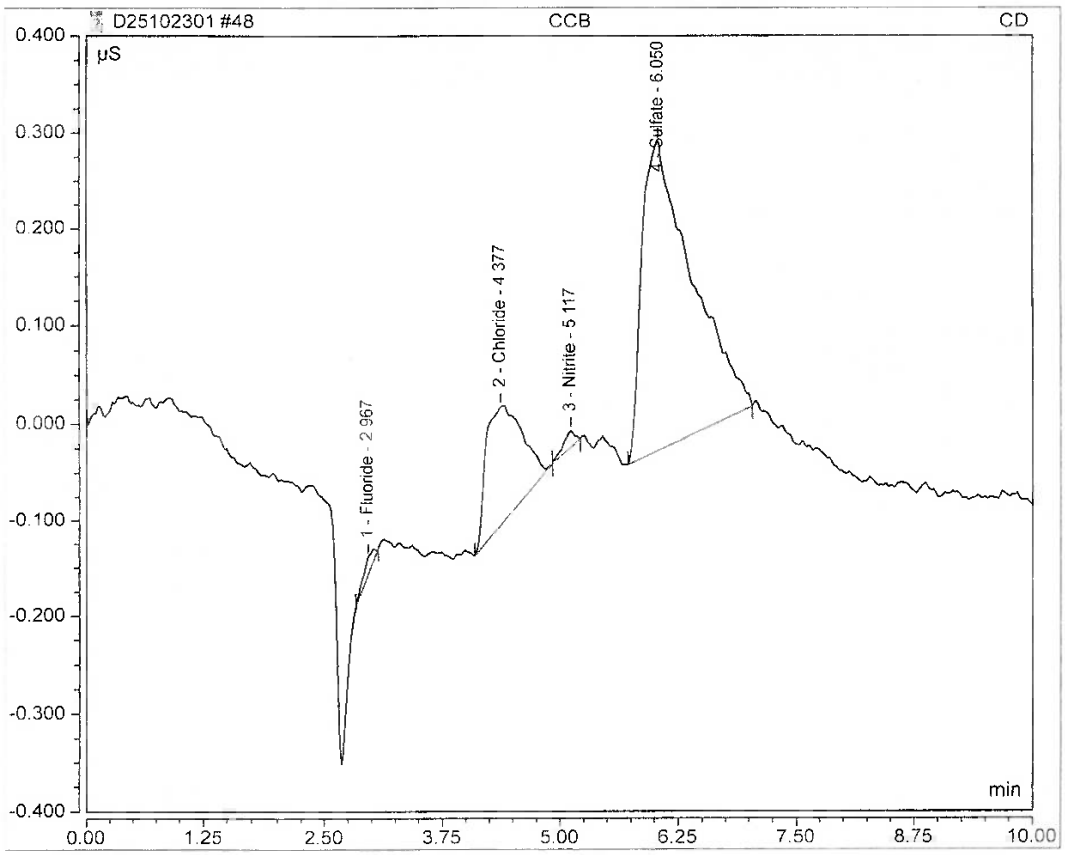
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	CCB	*Inj. Vol.:*	5000.00
Injection Type:	Unknown	*Dilution Factor:*	1.0000
Instrument Method:	Anions_012919	*Operator:*	Chemistry
Inj. Date / Time:	23-Oct-2025 / 18:22	*Run Time:*	10.00

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.97	Fluoride	BMB	0.002	0.019	0.0536
2	4.38	Chloride	BMb	0.054	0.123	0.5081
3	5.12	Nitrite	bMB	0.002	0.017	n.a.
4	6.05	Sulfate	BMB	0.192	0.318	1.9036
TOTAL:				0.25	0.48	2.47



Anion/Integration

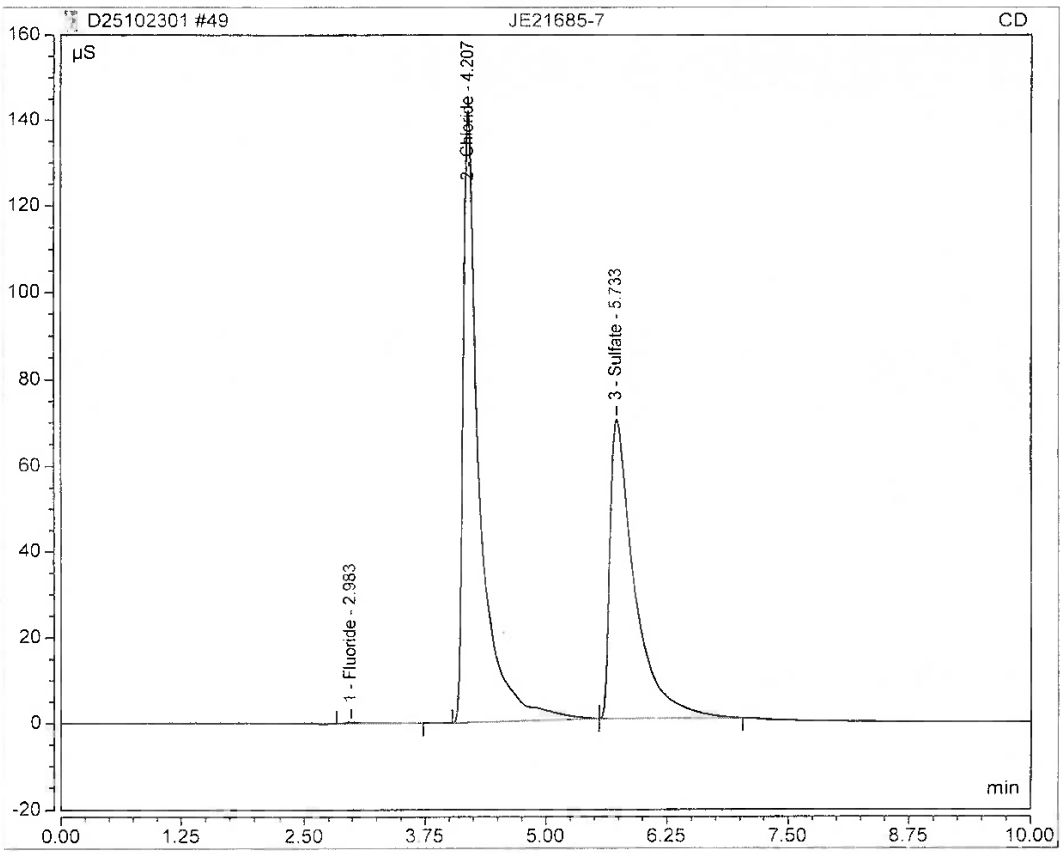
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	**JE21685-7**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_012919**	*Operator:*	**Chemistry**
Inj. Date / Time:	**23-Oct-2025 / 18:35**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.98	Fluoride	BMB	0.101	0.310	0.3295
2	4.21	Chloride	BMB	27.757	141.945	96.2964
3	5.73	Sulfate	BMB	20.542	69.646	96.9935
TOTAL:				48.40	211.90	193.62



Anion/Integration

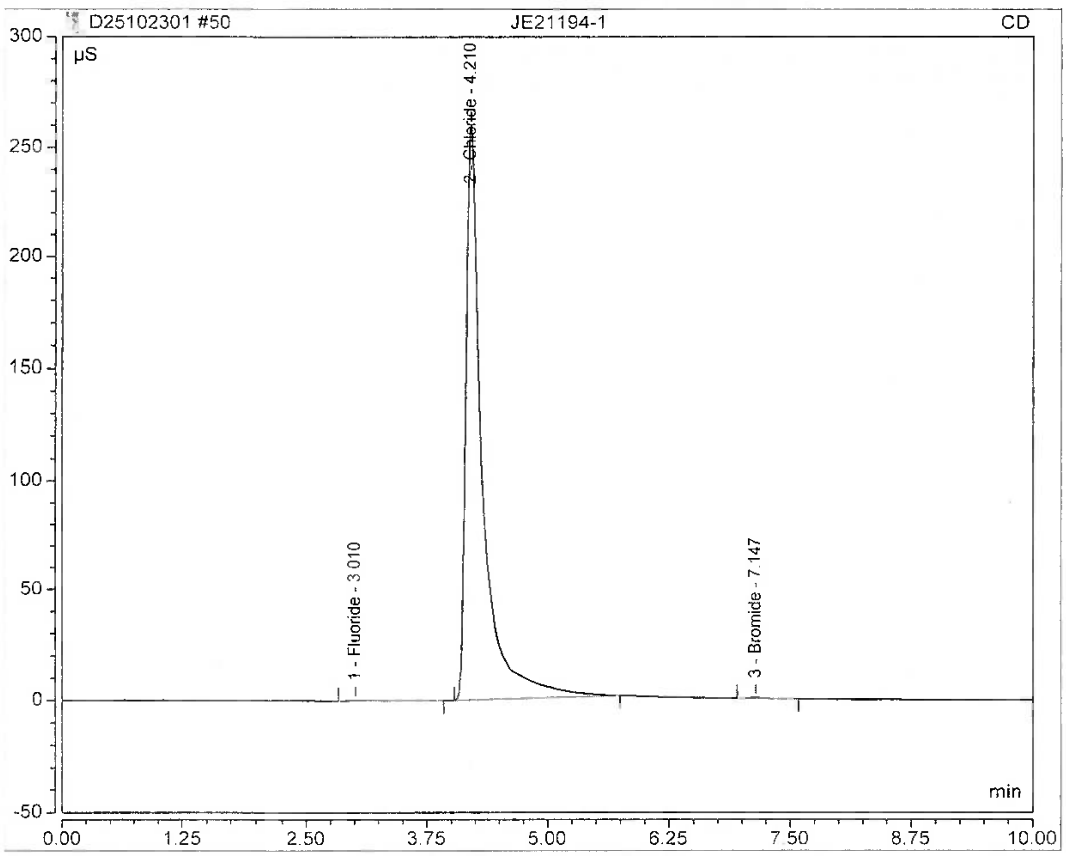
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	**JE21194-1**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_012919**	*Operator:*	**Chemistry**
Inj. Date / Time:	**23-Oct-2025 / 18:48**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	3.01	Fluoride	BMB	0.123	0.305	0.3917
2	4.21	Chloride	BMB	52.492	260.084	181.8242
3	7.15	Bromide	BMB	0.078	0.367	1.0503
TOTAL:				52.69	260.76	183.27



Anion/Integration

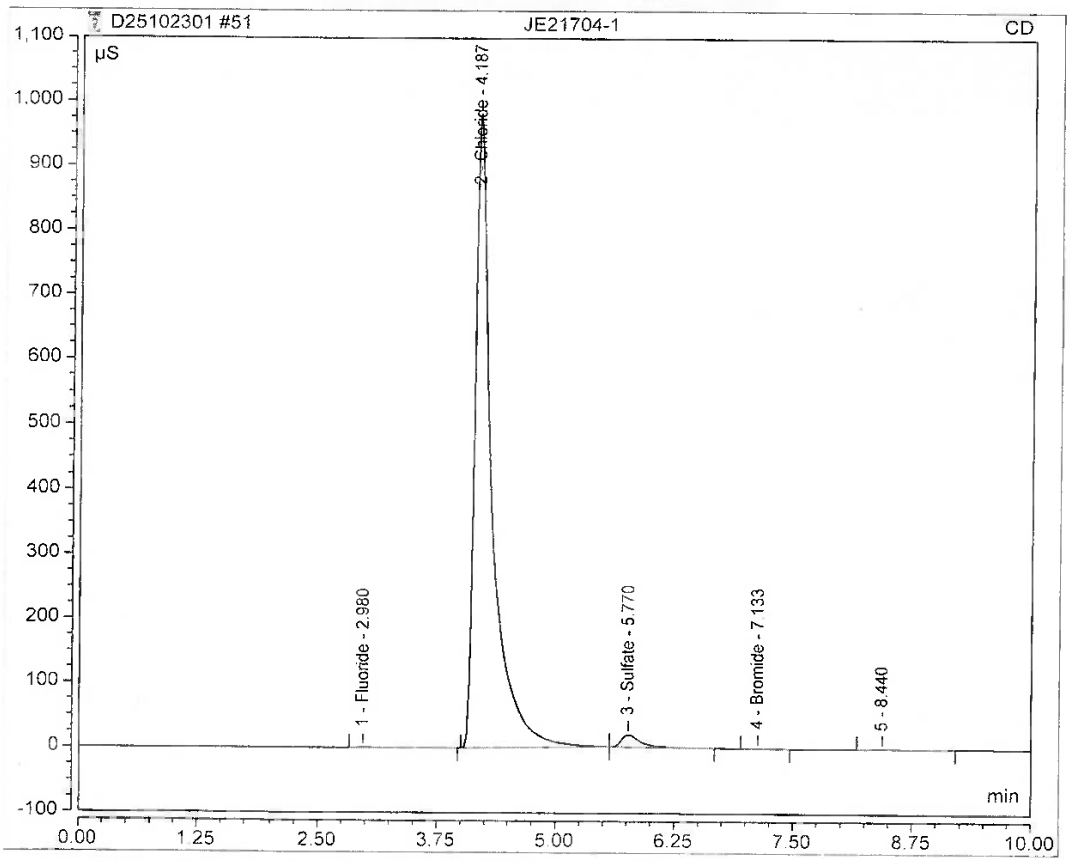
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	JE21704-1	*Inj. Vol.:*	5000.00
Injection Type:	Unknown	*Dilution Factor:*	1.0000
Instrument Method:	Anions_012919	*Operator:*	Chemistry
Inj. Date / Time:	23-Oct-2025 / 19:00	*Run Time:*	10.00

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.98	Fluoride	BMB	0.313	1.108	0.9246
2	4.19	Chloride	BMb	205.575	981.066	711.1472
3	5.77	Sulfate	bMB	4.351	19.000	21.3351
4	7.13	Bromide	BMB	0.039	0.204	0.5928
TOTAL:				210.28	1001.38	734.00



Anion/integration

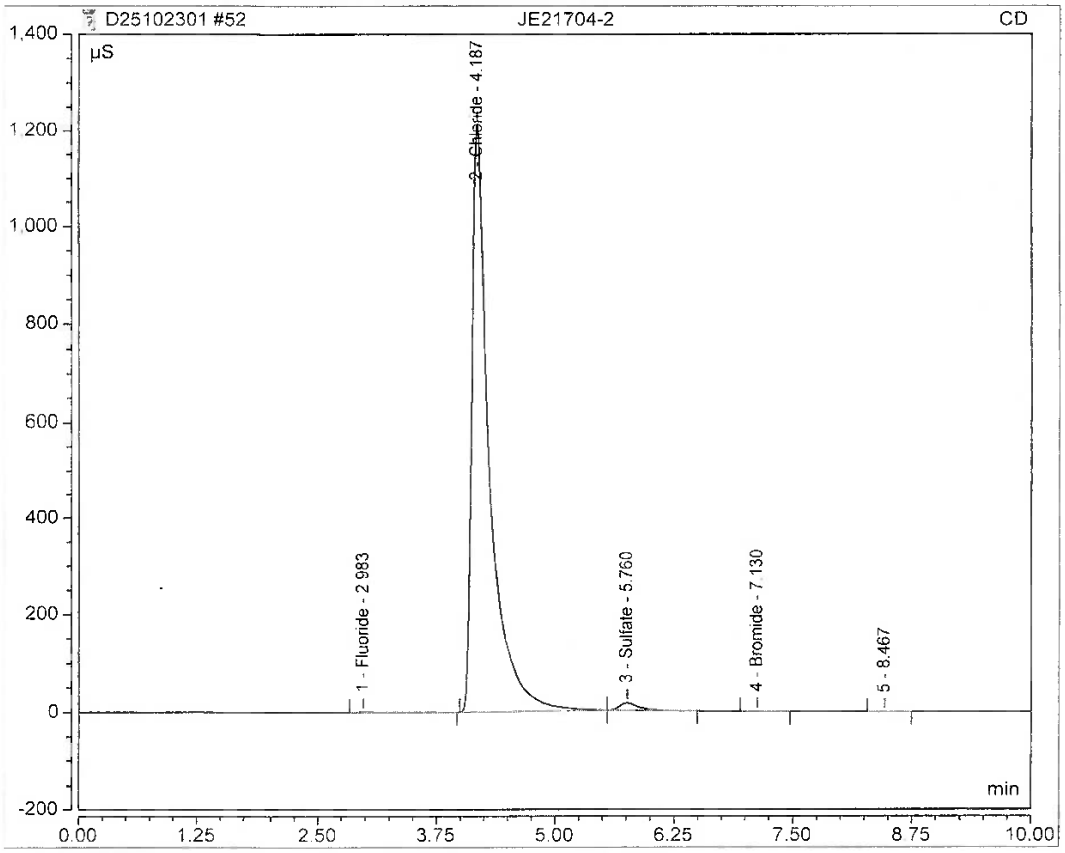
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	JE21704-2	*Inj. Vol.:*	5000.00
Injection Type:	Unknown	*Dilution Factor:*	1.0000
Instrument Method:	Anions_012919	*Operator:*	Chemistry
Inj. Date / Time:	23-Oct-2025 / 19:13	*Run Time:*	10.00

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.98	Fluoride	BMB	0.312	1.039	0.9214
2	4.19	Chloride	BMb	258.938	1212.794	895.6627
3	5.76	Sulfate	bMB	3.444	15.296	17.1001
4	7.13	Bromide	BMB	0.044	0.231	0.6491
TOTAL:				262.74	1229.36	914.33



Anion/Integration

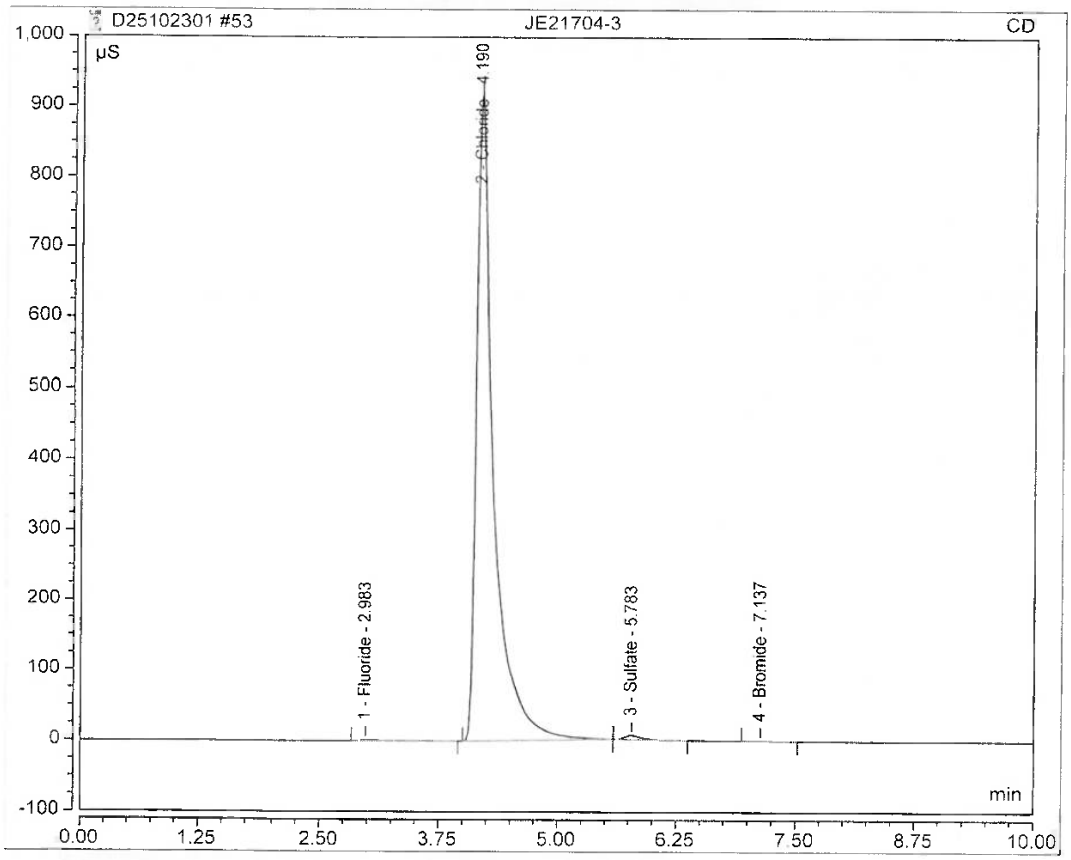
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion 1
Sequence: D25102301

Peak Integration Report

Sample Name:	**JE21704-3**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_012919**	*Operator:*	**Chemistry**
Inj. Date / Time:	**23-Oct-2025 / 19:26**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.98	Fluoride	BMB	0.328	1.179	0.9667
2	4.19	Chloride	BMb	192.015	918.370	664.2600
3	5.78	Sulfate	bMB	1.226	5.862	6.7357
4	7.14	Bromide	BMB	0.056	0.273	0.7871
TOTAL:				193.63	925.68	672.75



Anion/Integration

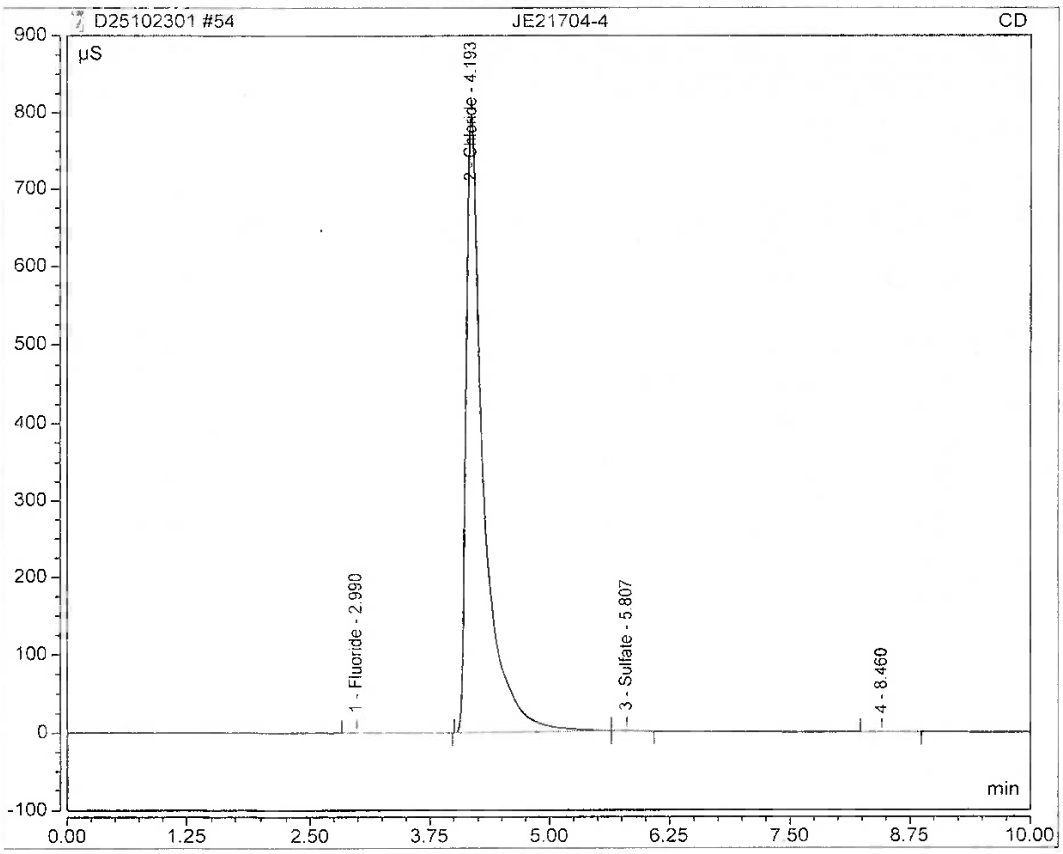
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	**JE21704-4**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_012919**	*Operator:*	**Chemistry**
Inj. Date / Time:	**23-Oct-2025 / 19:39**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.99	Fluoride	BMB	0.187	0.593	0.5713
2	4.19	Chloride	BMb	166.344	797.795	575.4947
3	5.81	Sulfate	bMB	0.109	0.608	1.5154
TOTAL:				166.64	799.00	577.58



Anion/Integration

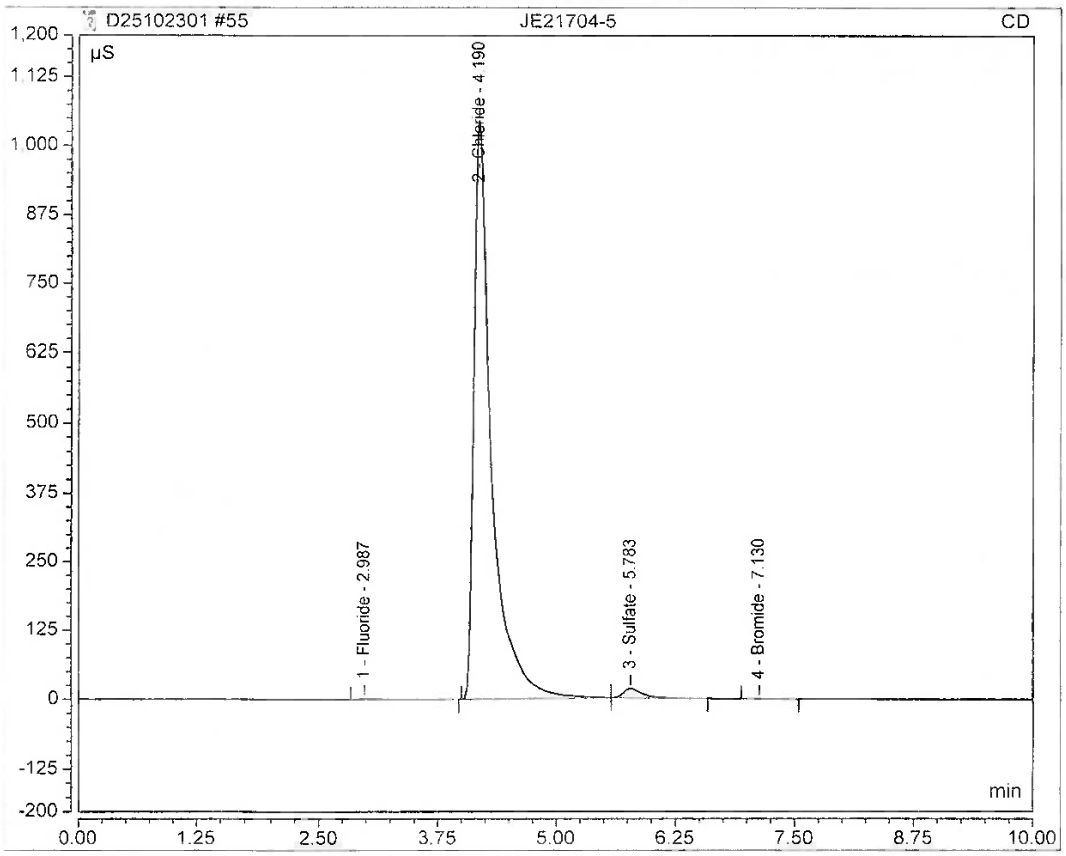
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	**JE21704-5**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_012919**	*Operator:*	**Chemistry**
Inj. Date / Time:	**23-Oct-2025 / 19:52**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.99	Fluoride	BMB	0.353	1.254	1.0375
2	4.19	Chloride	BMb	222.824	1045.506	770.7879
3	5.78	Sulfate	bMB	3.849	16.794	18.9903
4	7.13	Bromide	BMB	0.105	0.502	1.3704
TOTAL:				227.13	1064.06	792.19



Anion/Integration

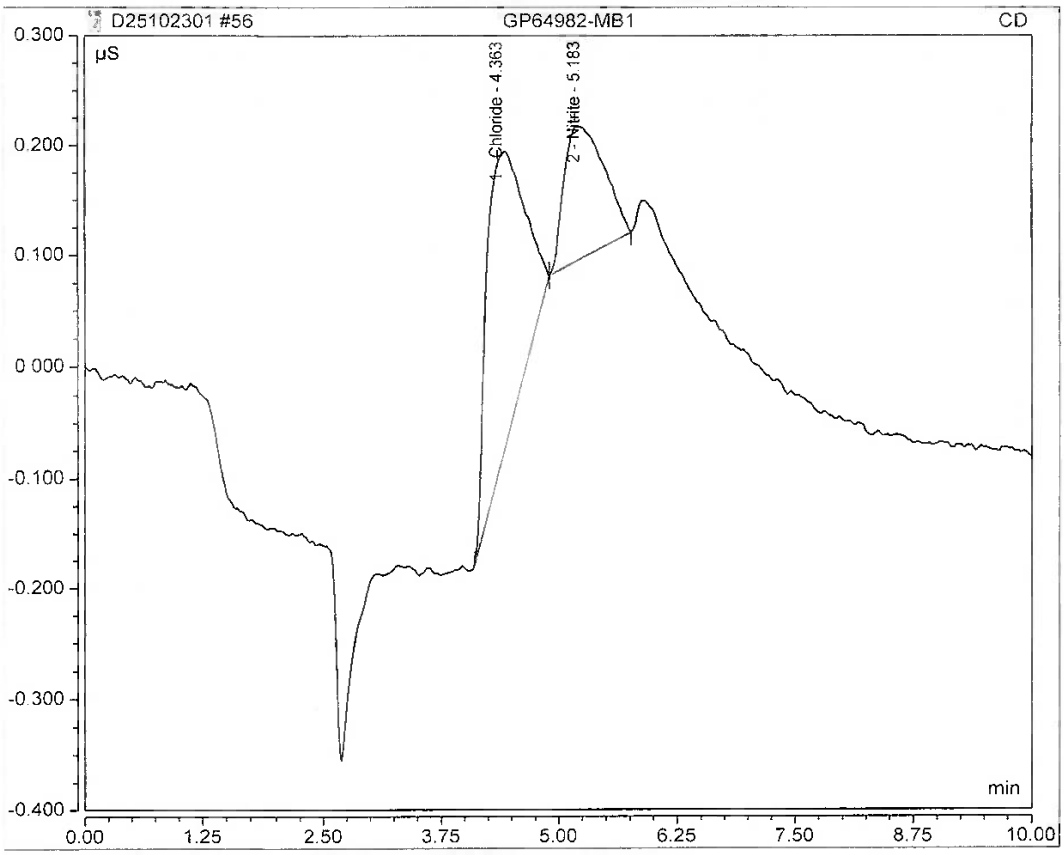
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	GP64982-MB1	*Inj. Vol.:*	5000.00
Injection Type:	Unknown	*Dilution Factor:*	1.0000
Instrument Method:	Anions_012919	*Operator:*	Chemistry
Inj. Date / Time:	23-Oct-2025 / 20:05	*Run Time:*	10.00

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	4.36	Chloride	BMb	0.126	0.280	0.7554
2	5.18	Nitrite	bMB	0.059	0.123	0.3852
TOTAL:				0.18	0.40	1.14



Anion/Integration

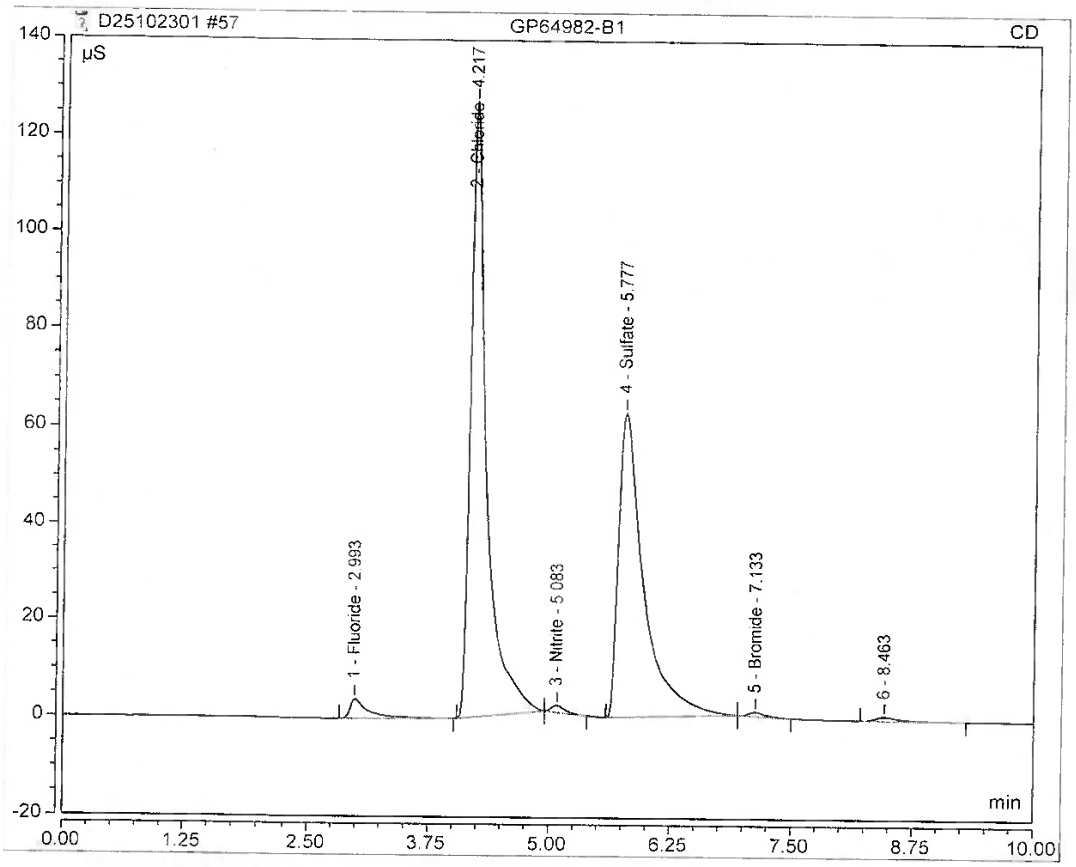
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	GP64982-B1	*Inj. Vol.:*	5000.00
Injection Type:	Unknown	*Dilution Factor:*	1.0000
Instrument Method:	Anions_012919	*Operator:*	Chemistry
Inj. Date / Time:	23-Oct-2025 / 20:18	*Run Time:*	10.00

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.99	Fluoride	BMB	0.881	3.950	2.5174
2	4.22	Chloride	BMb	24.121	126.957	83.7250
3	5.08	Nitrite	bMB	0.219	1.390	1.9937
4	5.78	Sulfate	BMb	18.612	62.962	87.9776
5	7.13	Bromide	bMB	0.164	0.840	2.0607
TOTAL:				44.00	196.10	178.27



Anion/Integration

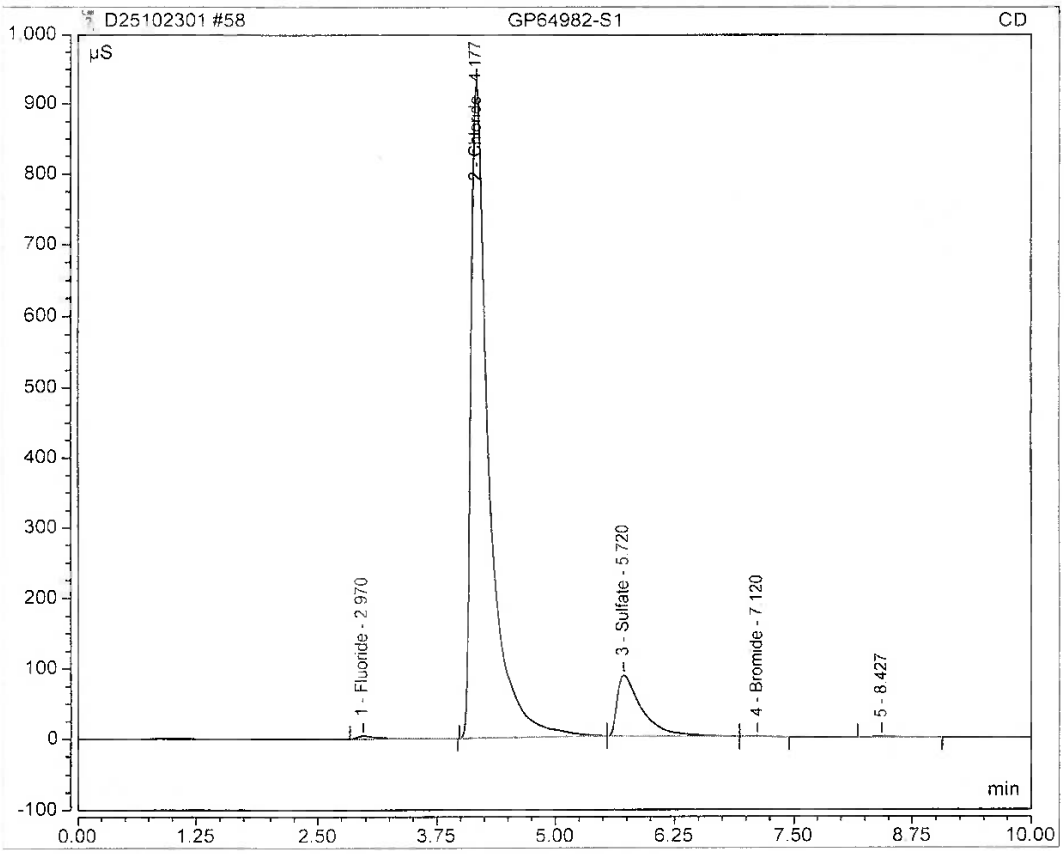
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	**GP64982-S1**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_012919**	*Operator:*	**Chemistry**
Inj. Date / Time:	**23-Oct-2025 / 22:28**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.97	Fluoride	BMB	1.143	4.338	3.2506
2	4.18	Chloride	BMb	204.862	931.840	708.6811
3	5.72	Sulfate	bMb	25.596	86.565	120.6118
4	7.12	Bromide	bMB	0.215	1.077	2.6582
TOTAL:				231.82	1023.82	835.20



Anion/Integration

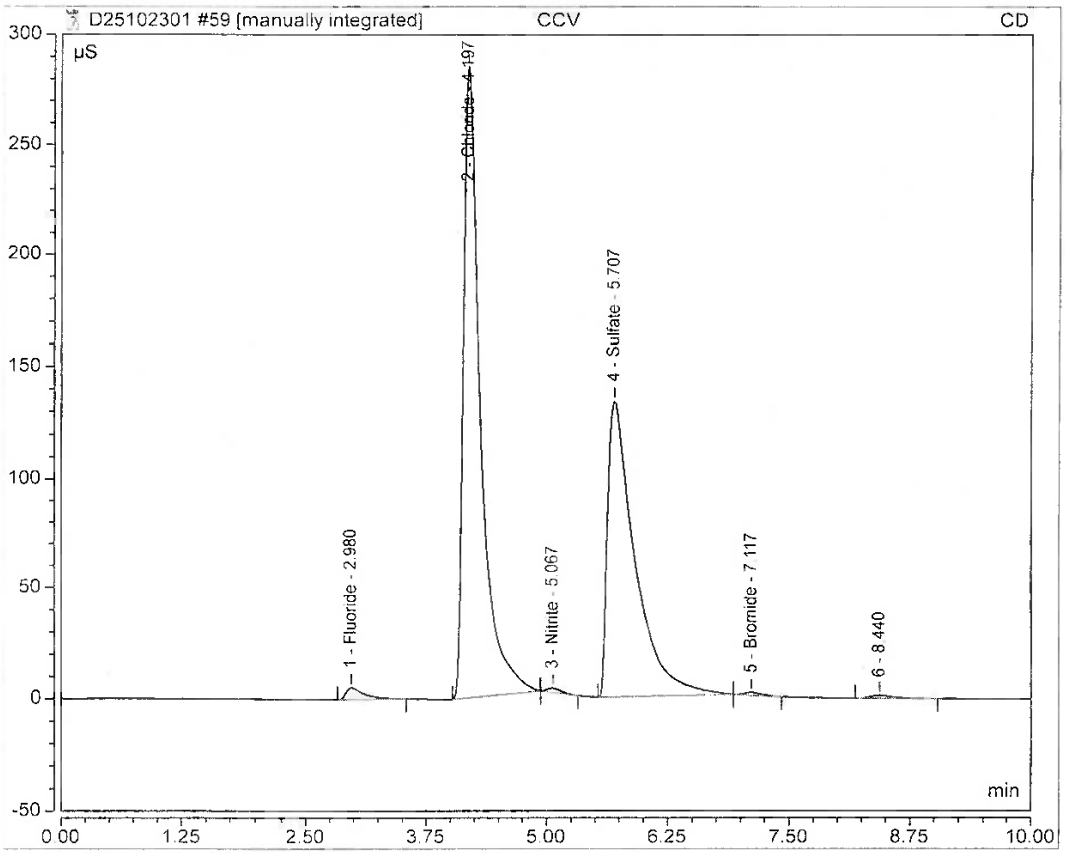
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	CCV	*Inj. Vol.:*	5000.00
Injection Type:	Unknown	*Dilution Factor:*	1.0000
Instrument Method:	Anions_012919	*Operator:*	Chemistry
Inj. Date / Time:	23-Oct-2025 / 22:41	*Run Time:*	10.00

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.98	Fluoride	BMB*	1.113	5.197	3.1665
2	4.20	Chloride	BMb	57.832	284.808	200.2890
3	5.07	Nitrite	bMB	0.296	1.921	2.7718
4	5.71	Sulfate	BMb	43.622	133.856	204.8460
5	7.12	Bromide	bMB	0.239	1.200	2.9316
TOTAL:				103.10	426.98	414.00



Anion/Integration

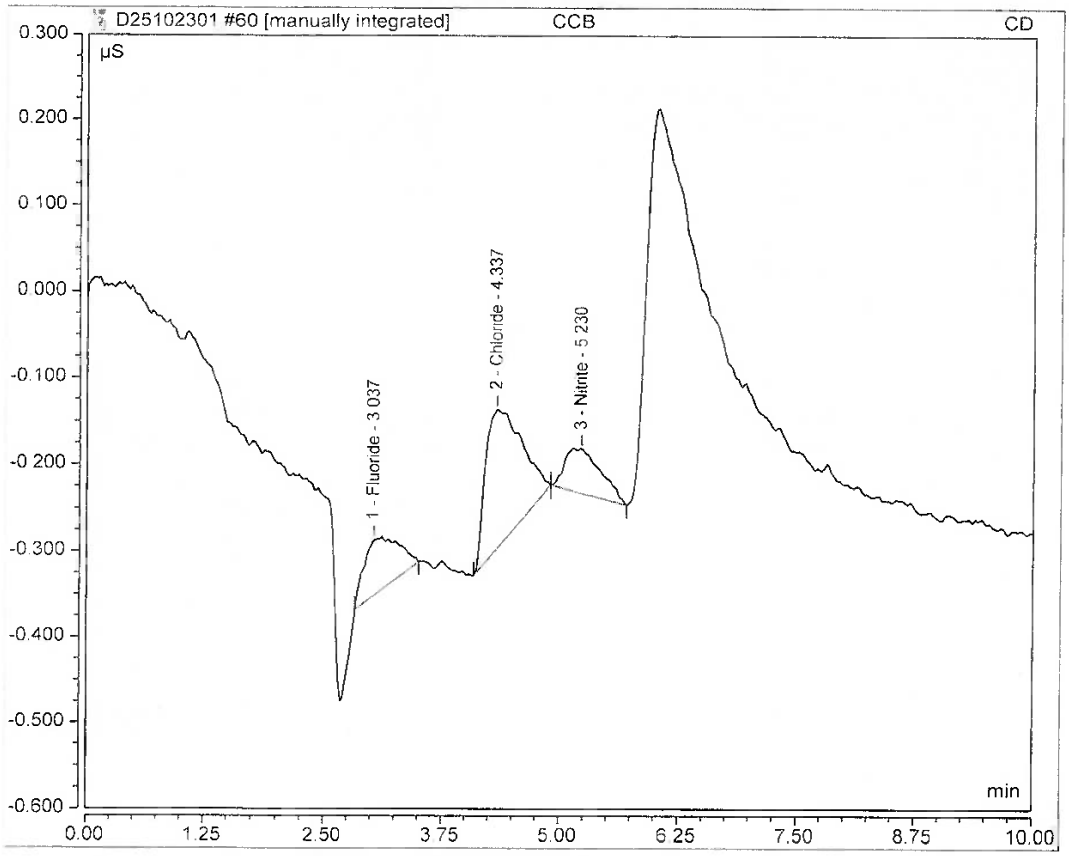
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion 1
Sequence: D25102301

Peak Integration Report

Sample Name:	CCB	*Inj. Vol.:*	5000.00
Injection Type:	Unknown	*Dilution Factor:*	1.0000
Instrument Method:	Anions_012919	*Operator:*	Chemistry
Inj. Date / Time:	23-Oct-2025 / 22:54	*Run Time:*	10.00

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	3.04	Fluoride	BMB	0.026	0.065	0.1212
2	4.34	Chloride	BMb	0.070	0.161	0.5620
3	5.23	Nitrite	bMB	0.022	0.051	0.0144
TOTAL:				0.12	0.28	0.70



Anion/Integration

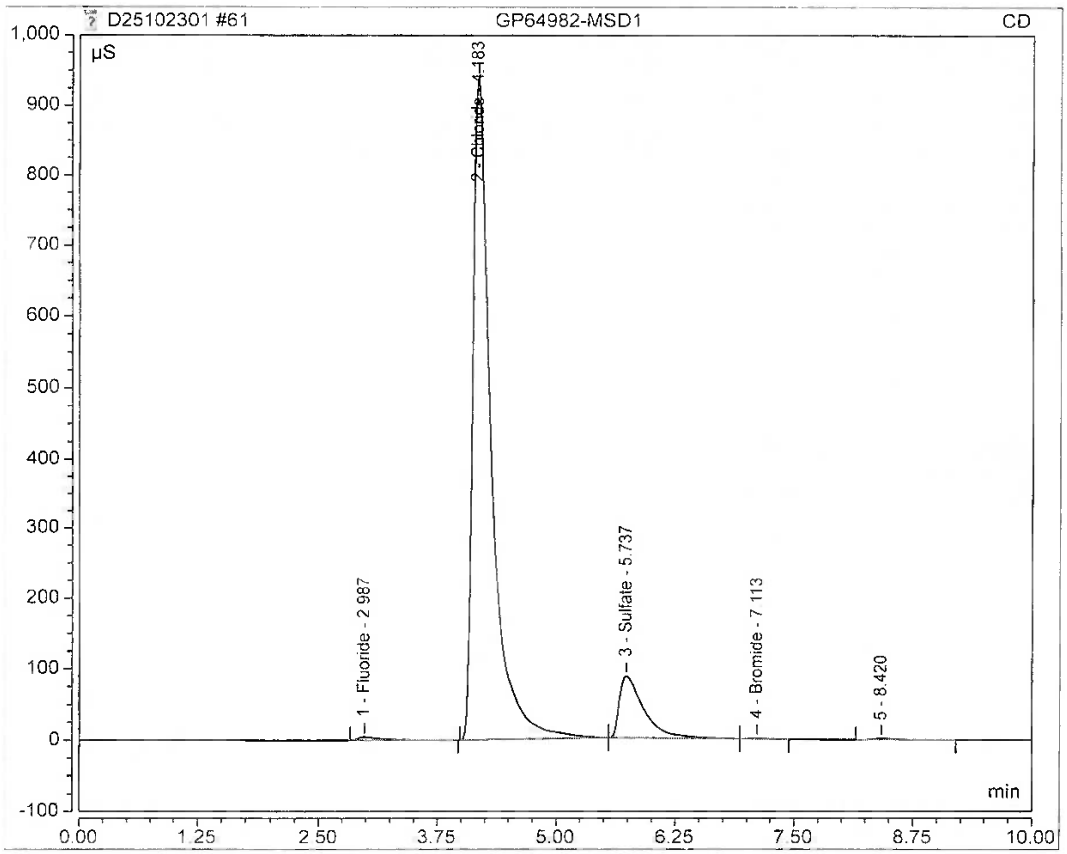
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	**GP64982-MSD1**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_012919**	*Operator:*	**Chemistry**
Inj. Date / Time:	**23-Oct-2025 / 23:06**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.99	Fluoride	BMB	1.245	4.518	3.5391
2	4.18	Chloride	BMb	210.077	940.382	726.7134
3	5.74	Sulfate	bMb	25.722	87.101	121.2014
4	7.11	Bromide	bMB	0.217	1.060	2.6817
TOTAL:				237.26	1033.06	854.14



Anion/Integration

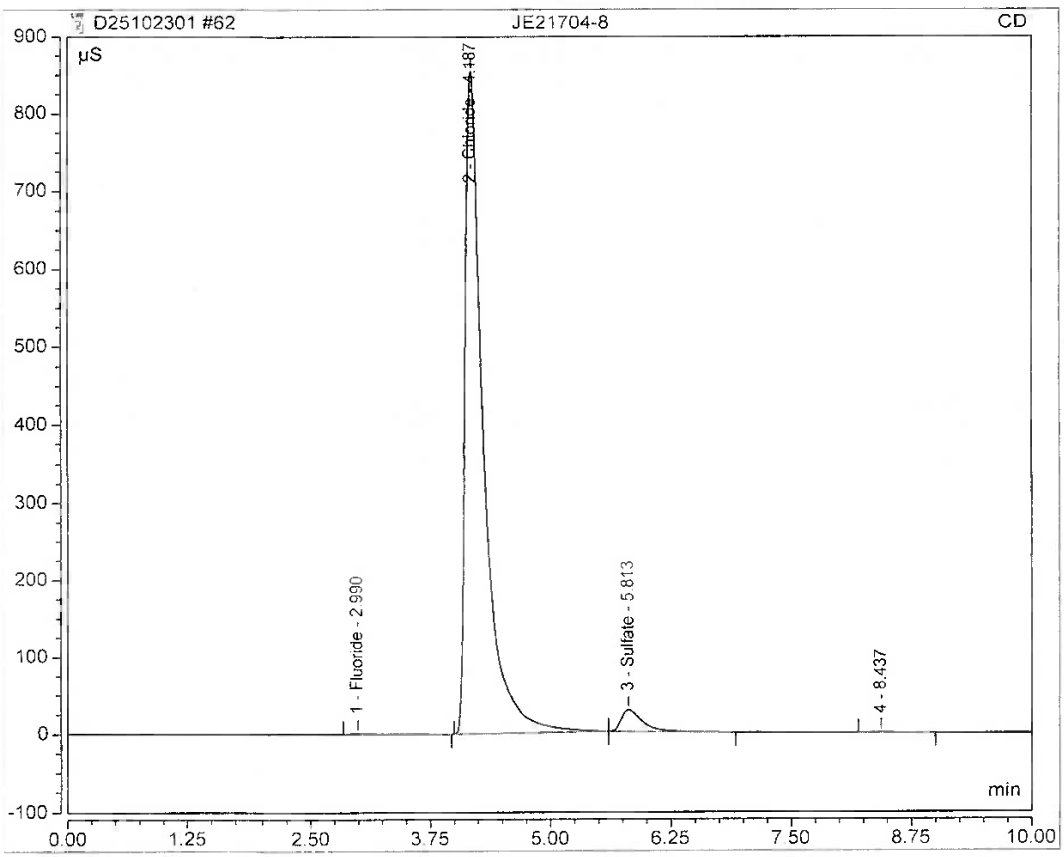
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	**JE21704-8**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_012919**	*Operator:*	**Chemistry**
Inj. Date / Time:	**23-Oct-2025 / 23:19**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.99	Fluoride	BMB	0.295	0.959	0.8745
2	4.19	Chloride	BMb	188.688	853.710	652.7562
3	5.81	Sulfate	bMB	7.064	27.586	34.0123
TOTAL:				196.05	882.26	687.64



Anion/Integration

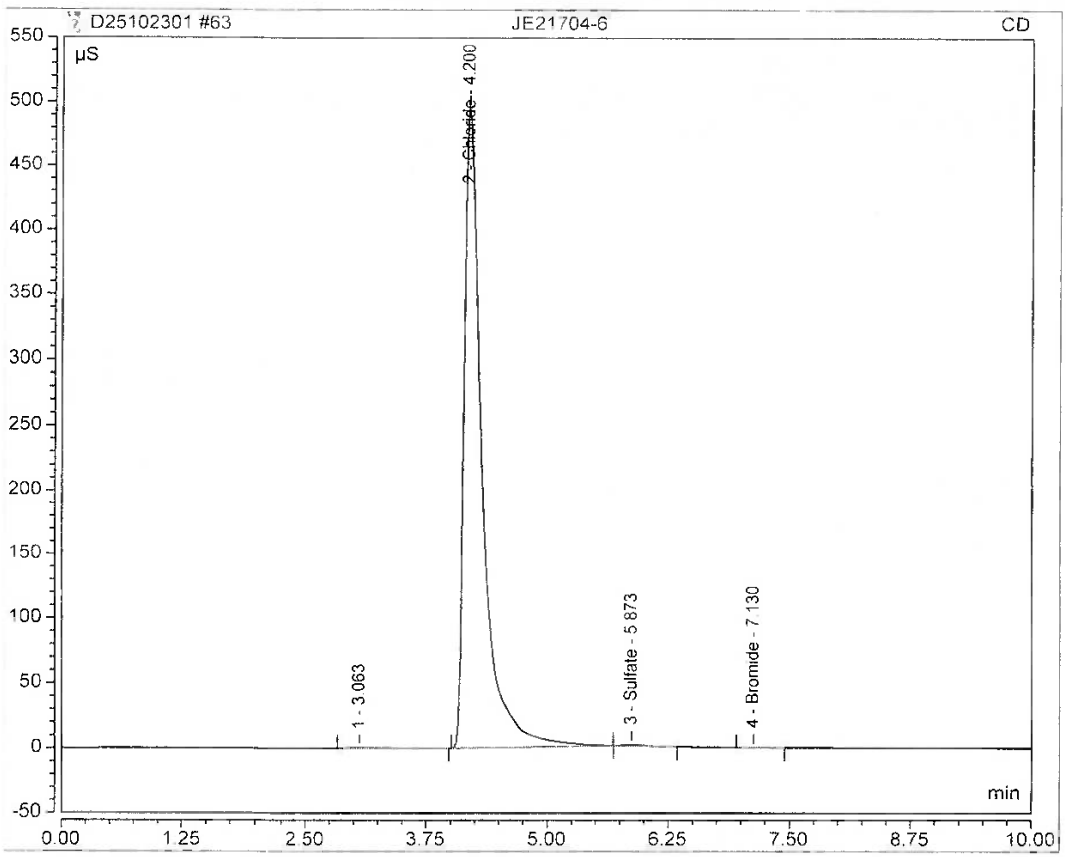
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	JE21704-6	*Inj. Vol.:*	5000.00
Injection Type:	Unknown	*Dilution Factor:*	1.0000
Instrument Method:	Anions_012919	*Operator:*	Chemistry
Inj. Date / Time:	23-Oct-2025 / 23:32	*Run Time:*	10.00

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	4.20	Chloride	BMb	107.340	494.727	371.4739
3	5.87	Sulfate	bMB	0.277	1.292	2.3000
4	7.13	Bromide	BMB	0.021	0.104	0.3774
TOTAL:				107.64	496.12	374.15



Anion/Integration

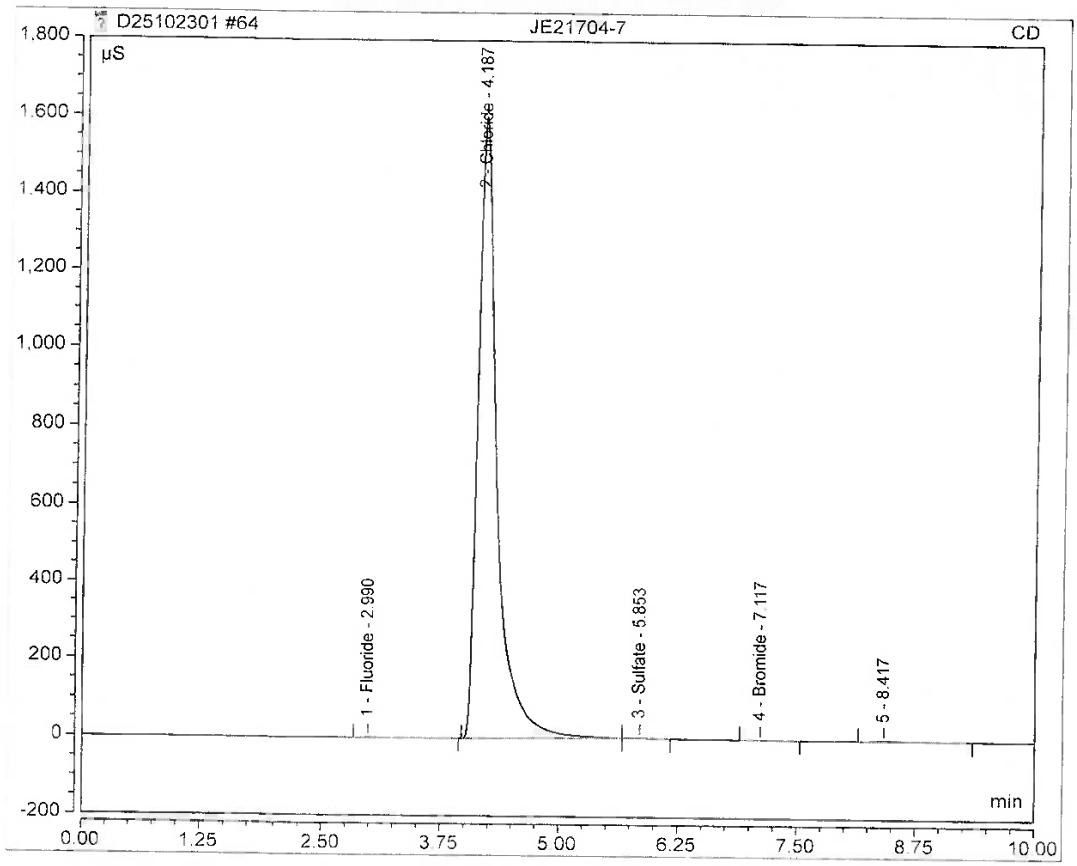
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	JE21704-7	*Inj. Vol.:*	5000.00
Injection Type:	Unknown	*Dilution Factor:*	1.0000
Instrument Method:	Anions_012919	*Operator:*	Chemistry
Inj. Date / Time:	23-Oct-2025 / 23:45	*Run Time:*	10.00

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.99	Fluoride	BMB	0.303	0.990	0.8965
2	4.19	Chloride	BMb	372.332	1601.389	1287.7503
3	5.85	Sulfate	bMB	0.234	1.141	2.0973
4	7.12	Bromide	BMB	0.121	0.546	1.5558
TOTAL:				372.99	1604.07	1292.30



Anion/Integration

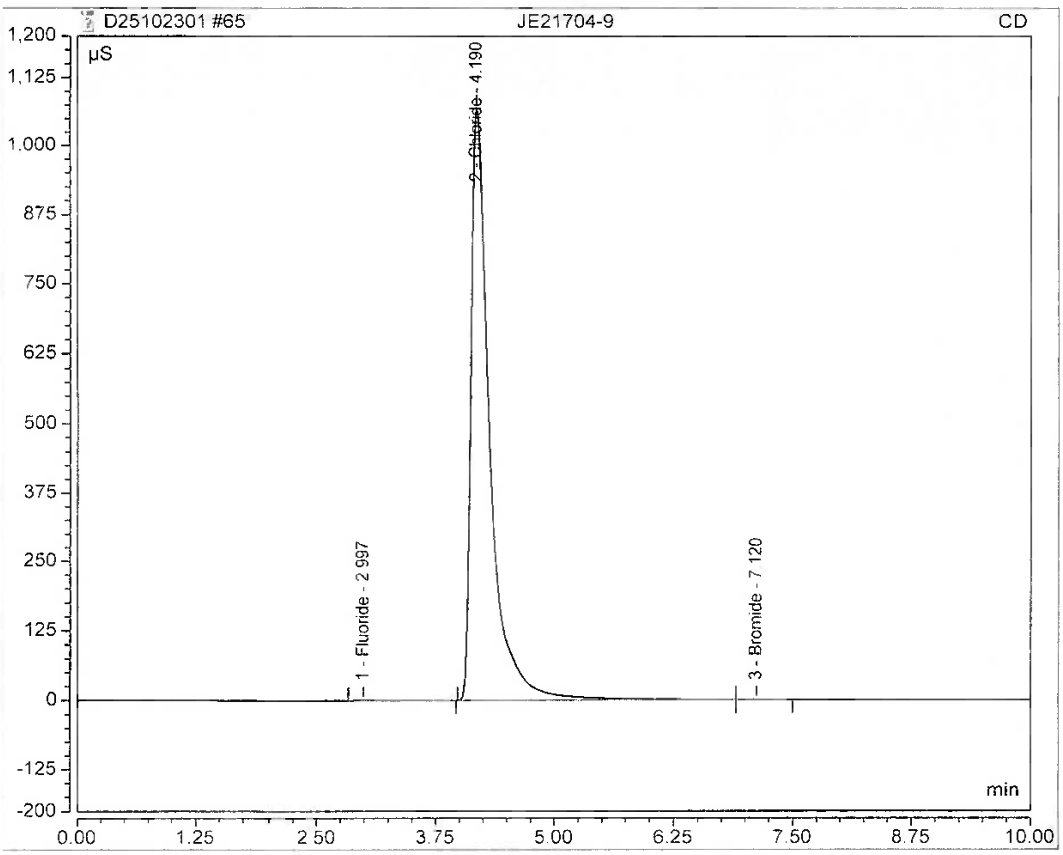
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	**JE21704-9**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_012919**	*Operator:*	**Chemistry**
Inj. Date / Time:	**23-Oct-2025 / 23:58**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	3.00	Fluoride	BMB	0.223	0.705	0.6711
2	4.19	Chloride	BMb	243.621	1069.976	842.7019
3	7.12	Bromide	bMB	0.087	0.396	1.1492
TOTAL:				243.93	1071.08	844.52



Anion/Integration

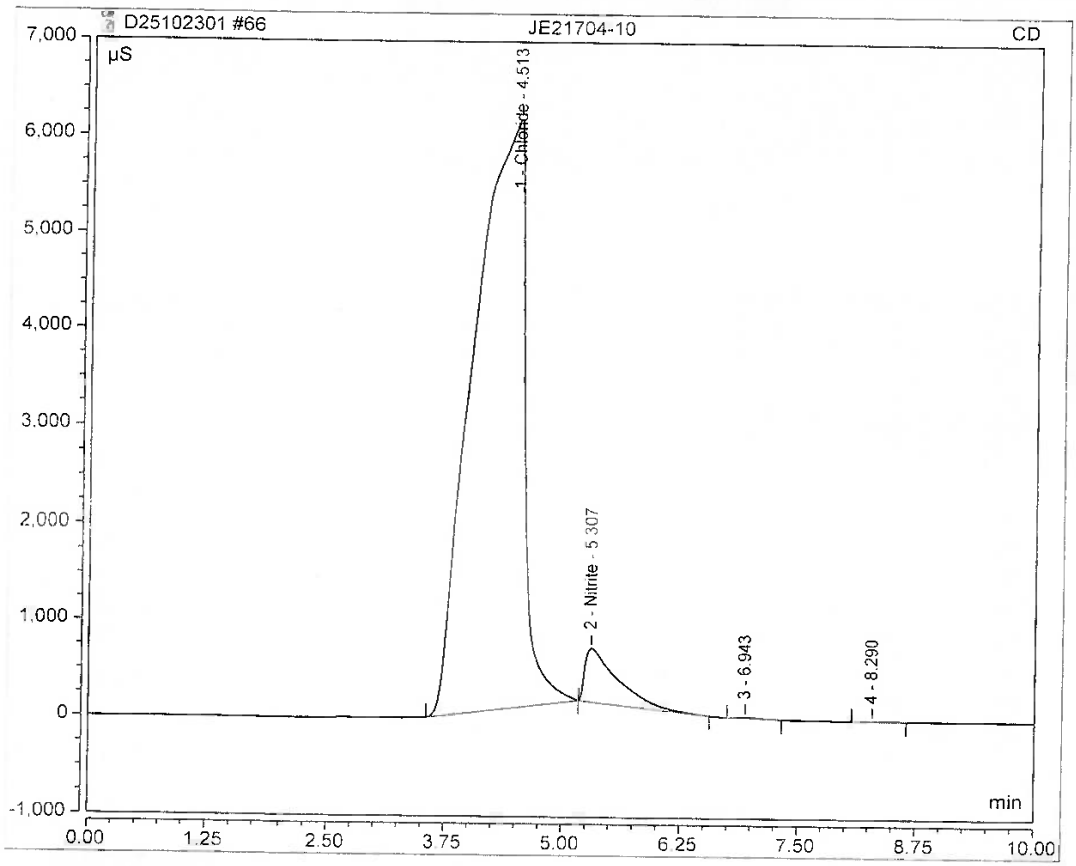
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	**JE21704-10**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_012919**	*Operator:*	**Chemistry**
Inj. Date / Time:	**24-Oct-2025 / 00:11**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	4.51	Chloride	BMB	3828.110	6081.525	13236.9631
2	5.31	Nitrite	BMB	222.839	558.365	2243.1067
TOTAL:				4050.95	6639.89	15480.07



Anion/Integration

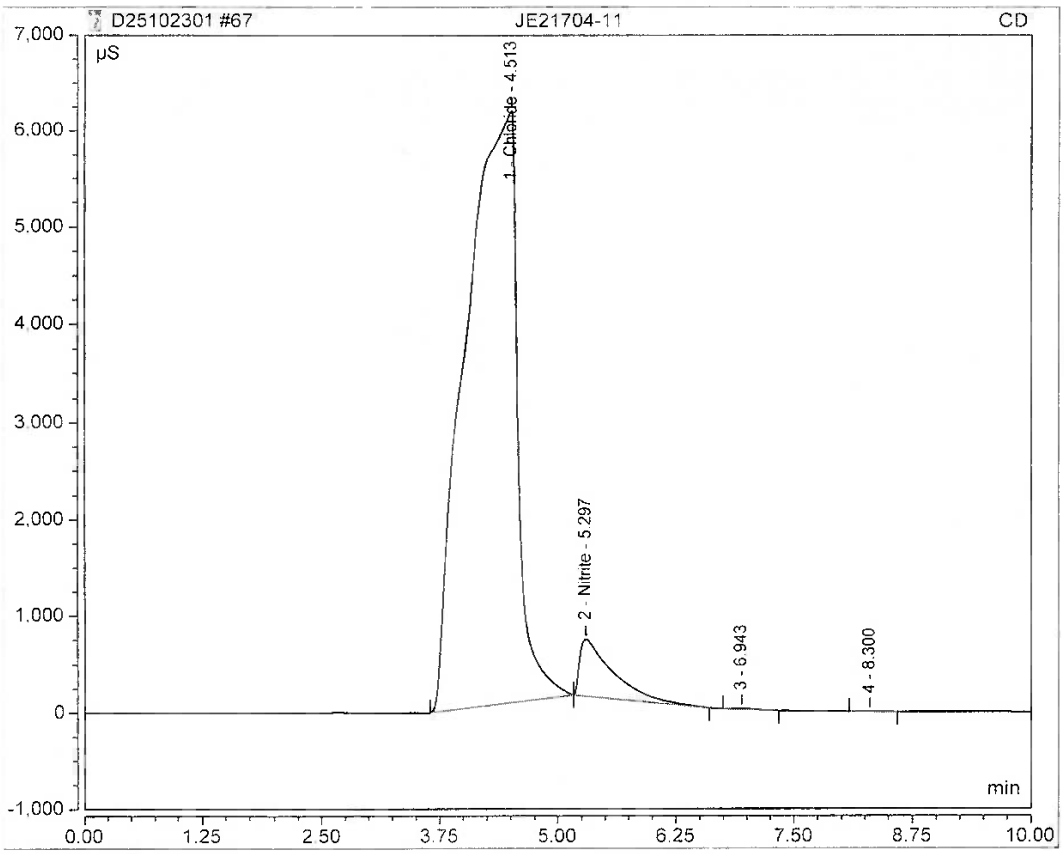
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	**JE21704-11**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_012919**	*Operator:*	**Chemistry**
Inj. Date / Time:	**24-Oct-2025 / 00:24**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	4.51	Chloride	BMB	3856.365	6109.062	13334.6626
2	5.30	Nitrite	BMB	236.814	586.298	2383.8003
TOTAL:				4093.18	6695.36	15718.46



Anion/Integration

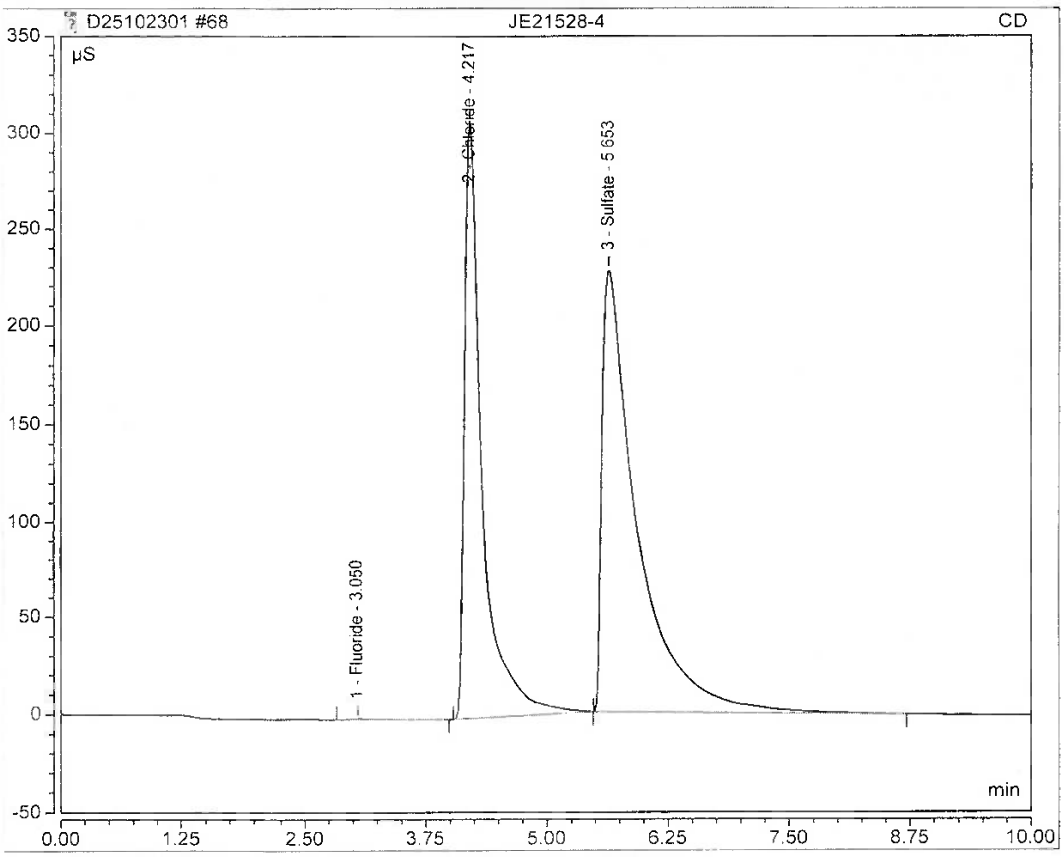
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	**JE21528-4**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_012919**	*Operator:*	**Chemistry**
Inj. Date / Time:	**24-Oct-2025 / 00:37**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	3.05	Fluoride	BMB	0.166	0.433	0.5121
2	4.22	Chloride	BMB	65.767	308.207	227.7257
3	5.65	Sulfate	BMB	95.282	227.700	446.2443
TOTAL:				161.21	536.34	674.48



Anion/Integration

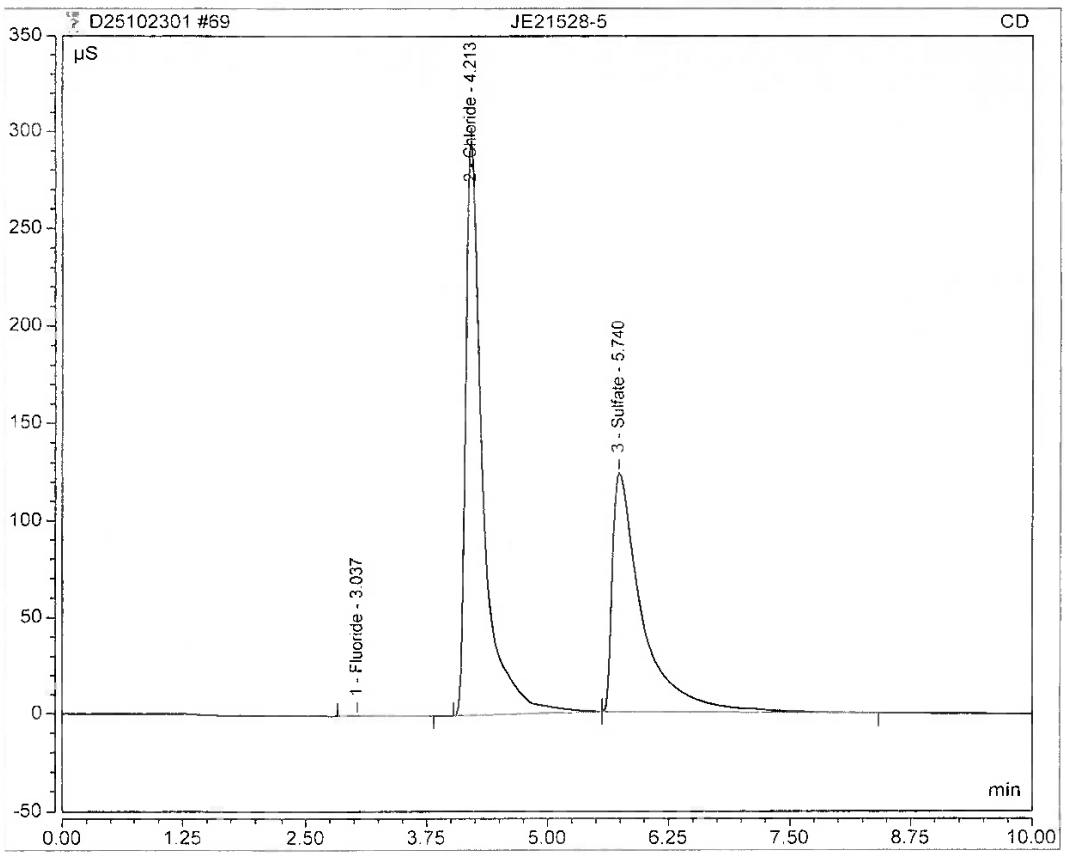
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	**JE21528-5**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_012919**	*Operator:*	**Chemistry**
Inj. Date / Time:	**24-Oct-2025 / 00:50**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	3.04	Fluoride	BMB	0.065	0.166	0.2281
2	4.21	Chloride	BMB	61.449	296.257	212.7951
3	5.74	Sulfate	BMB	44.302	124.090	208.0201
TOTAL:				105.82	420.51	421.04



Anion/Integration

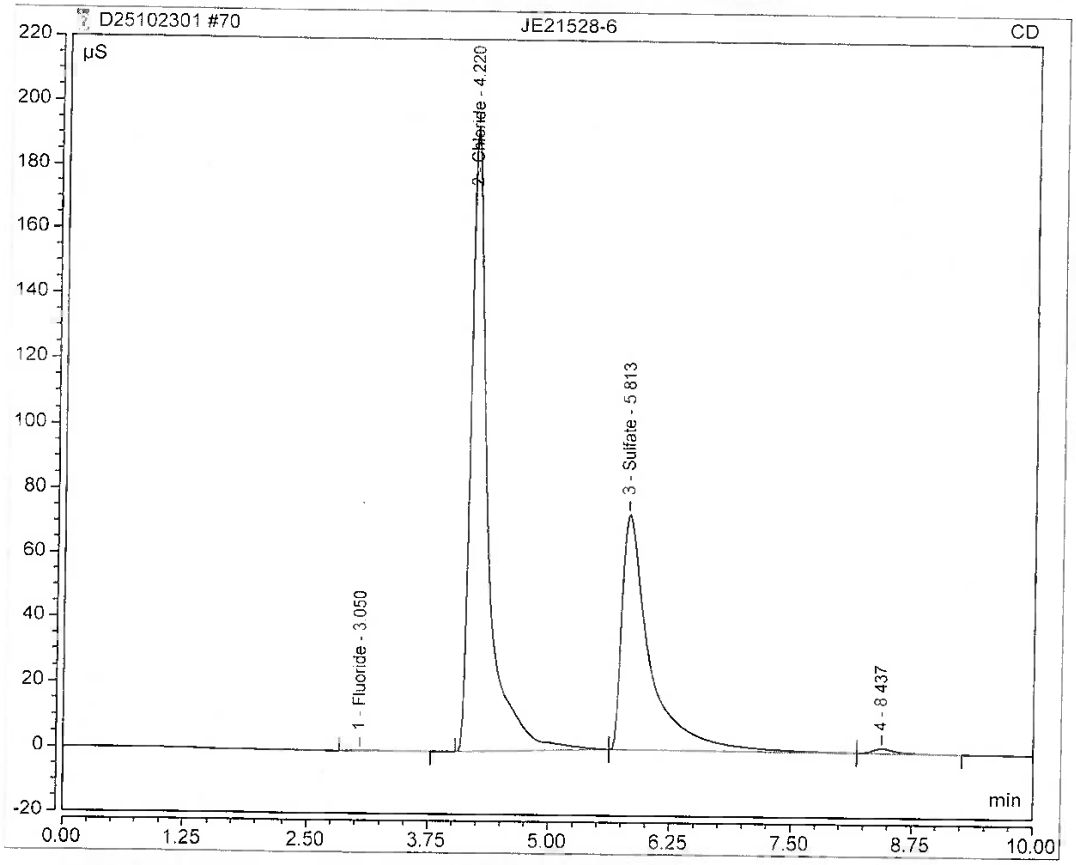
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	JE21528-6	*Inj. Vol.:*	5000.00
Injection Type:	Unknown	*Dilution Factor:*	1.0000
Instrument Method:	Anions_012919	*Operator:*	Chemistry
Inj. Date / Time:	24-Oct-2025 / 01:03	*Run Time:*	10.00

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	3.05	Fluoride	BMB	0.061	0.160	0.2175
2	4.22	Chloride	BMB	39.826	193.448	138.0277
3	5.81	Sulfate	BMB	24.140	73.035	113.8075
TOTAL:				64.03	266.64	252.05



Anion/Integration

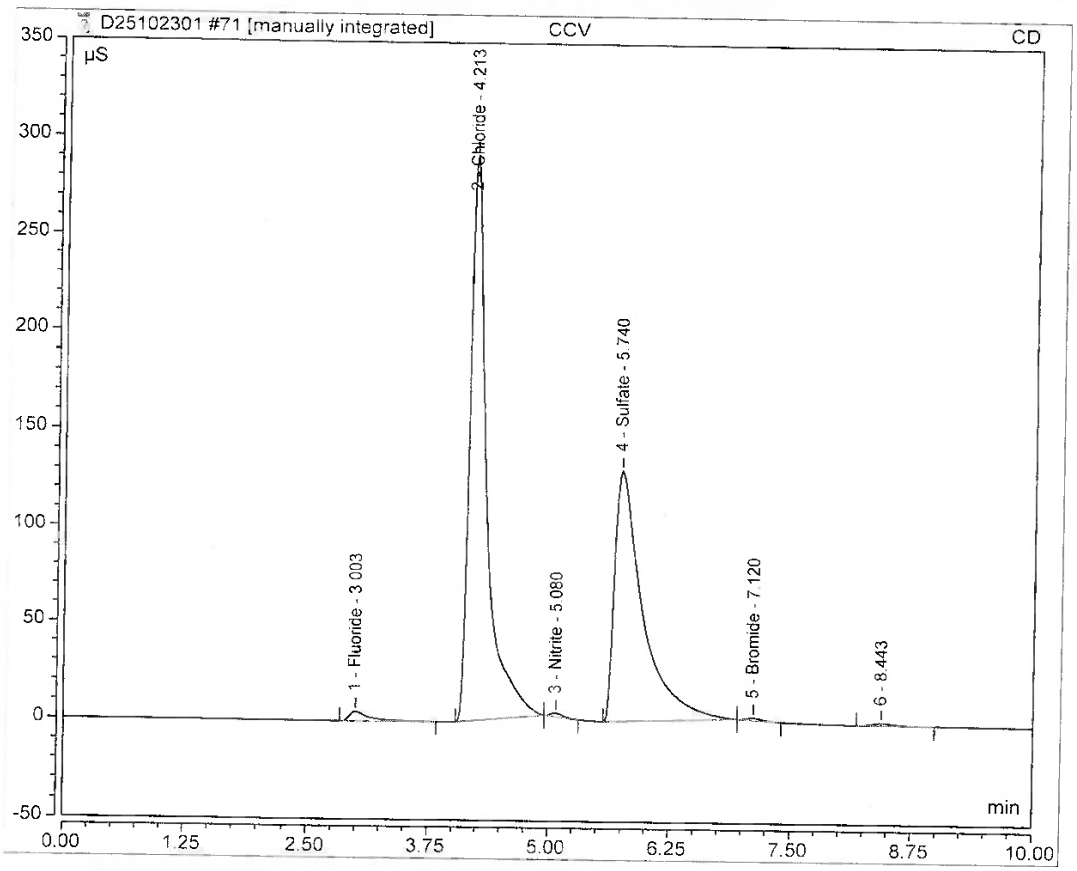
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	CCV	*Inj. Vol.:*	5000.00
Injection Type:	Unknown	*Dilution Factor:*	1.0000
Instrument Method:	Anions_012919	*Operator:*	Chemistry
Inj. Date / Time:	24-Oct-2025 / 01:16	*Run Time:*	10.00

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	3.00	Fluoride	BMB*	1.150	4.815	3.2722
2	4.21	Chloride	BMb	59.104	291.473	204.6869
3	5.08	Nitrite	bMB	0.280	1.878	2.6066
4	5.74	Sulfate	BMb	43.780	129.976	205.5811
5	7.12	Bromide	bMB	0.229	1.219	2.8157
TOTAL:				104.54	429.36	418.96



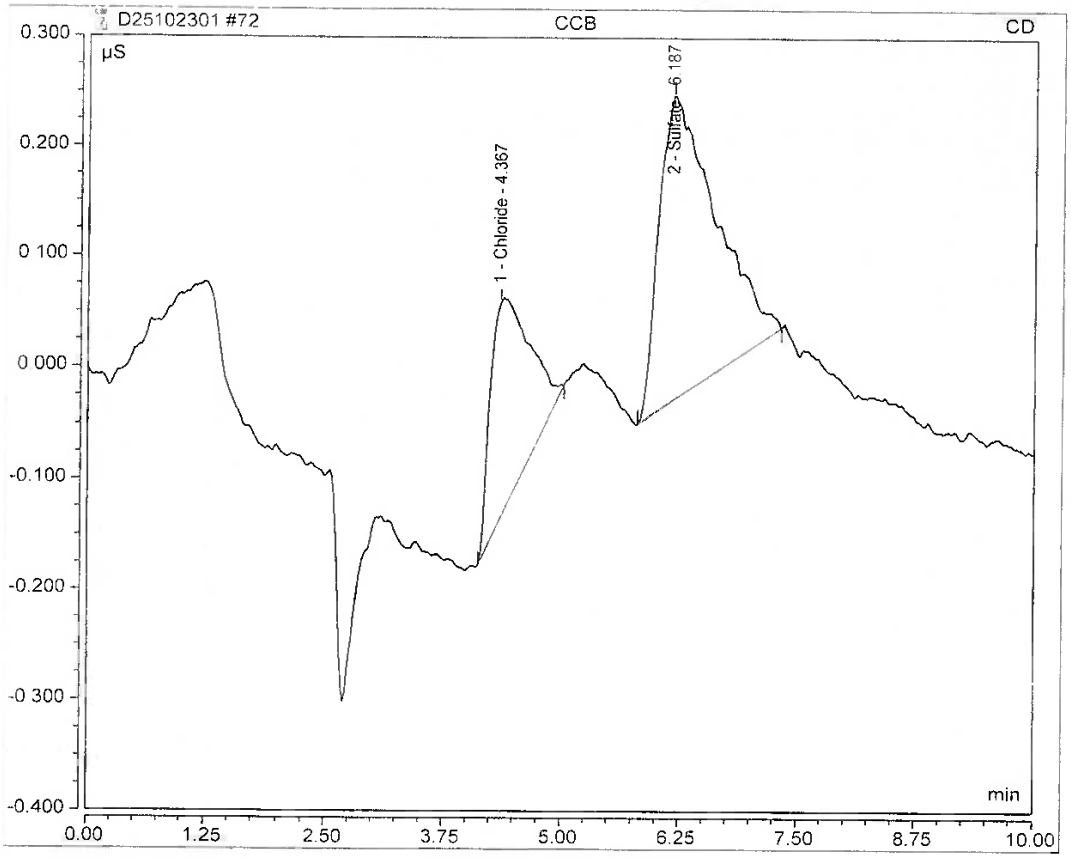
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	CCB	*Inj. Vol.:*	5000.00
Injection Type:	Unknown	*Dilution Factor:*	1.0000
Instrument Method:	Anions_012919	*Operator:*	Chemistry
Inj. Date / Time:	24-Oct-2025 / 01:29	*Run Time:*	10.00

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	4.37	Chloride	BMB	0.088	0.193	0.6253
2	6.19	Sulfate	BMB	0.189	0.276	1.8884
TOTAL:				0.28	0.47	2.51



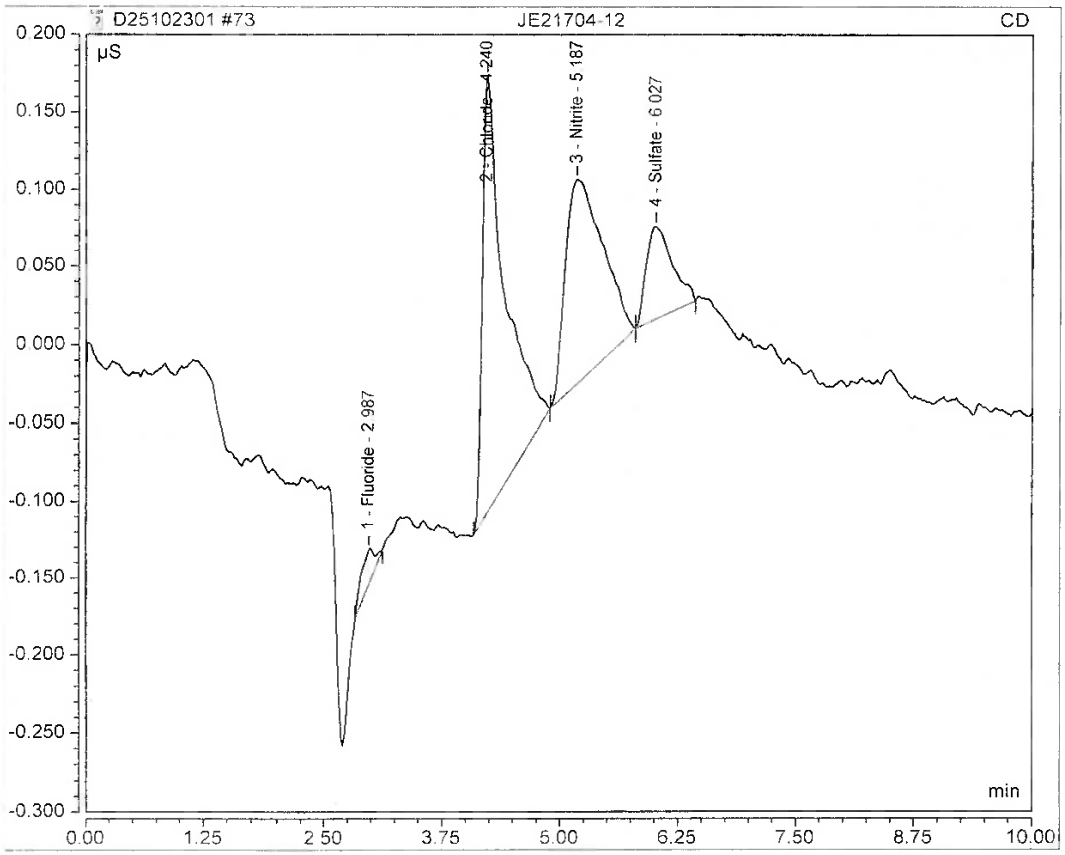
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	**JE21704-12**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_012919**	*Operator:*	**Chemistry**
Inj. Date / Time:	**24-Oct-2025 / 01:42**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.99	Fluoride	BMB	0.004	0.023	0.0578
2	4.24	Chloride	BMB	0.078	0.281	0.5895
3	5.19	Nitrite	BMb	0.059	0.131	0.3892
4	6.03	Sulfate	bMB	0.019	0.060	1.0944
TOTAL:				0.16	0.50	2.13



Anion/Integration

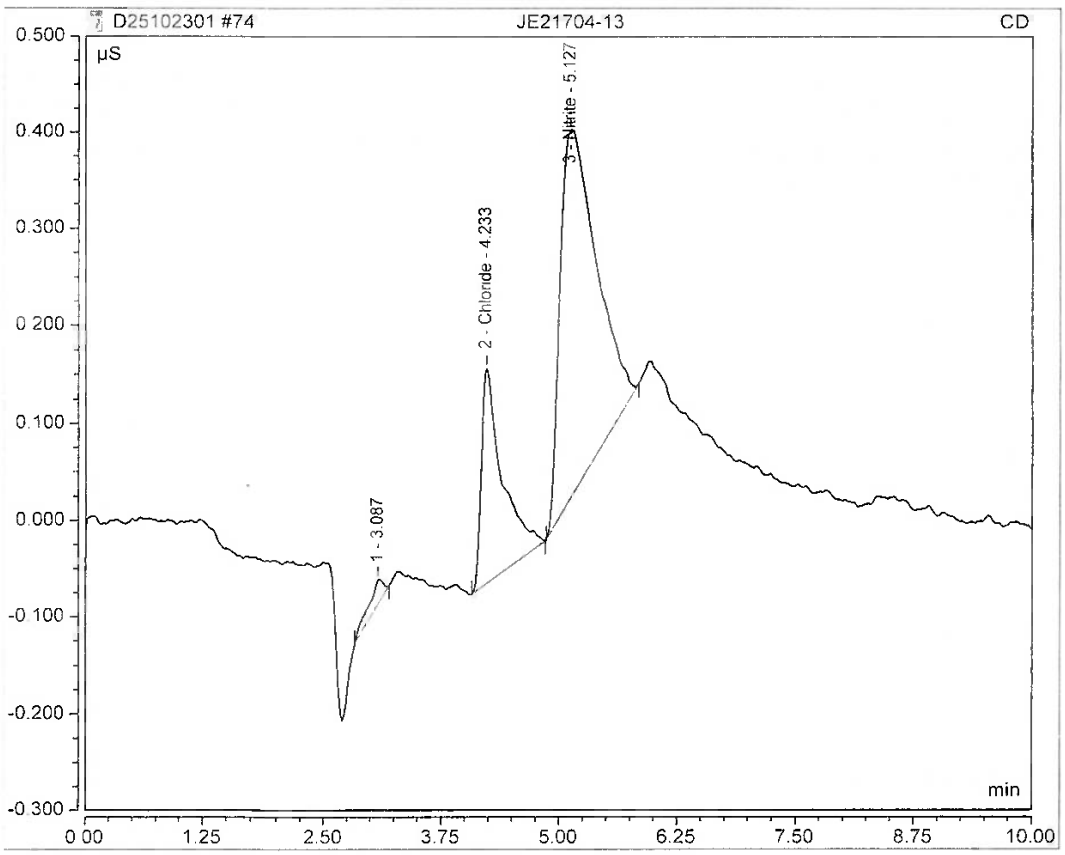
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	**JE21704-13**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_012919**	*Operator:*	**Chemistry**
Inj. Date / Time:	**24-Oct-2025 / 01:55**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	4.23	Chloride	BMB	0.057	0.222	0.5177
3	5.13	Nitrite	BMB	0.166	0.379	1.4681
TOTAL:				0.22	0.60	1.99



Anion/Integration

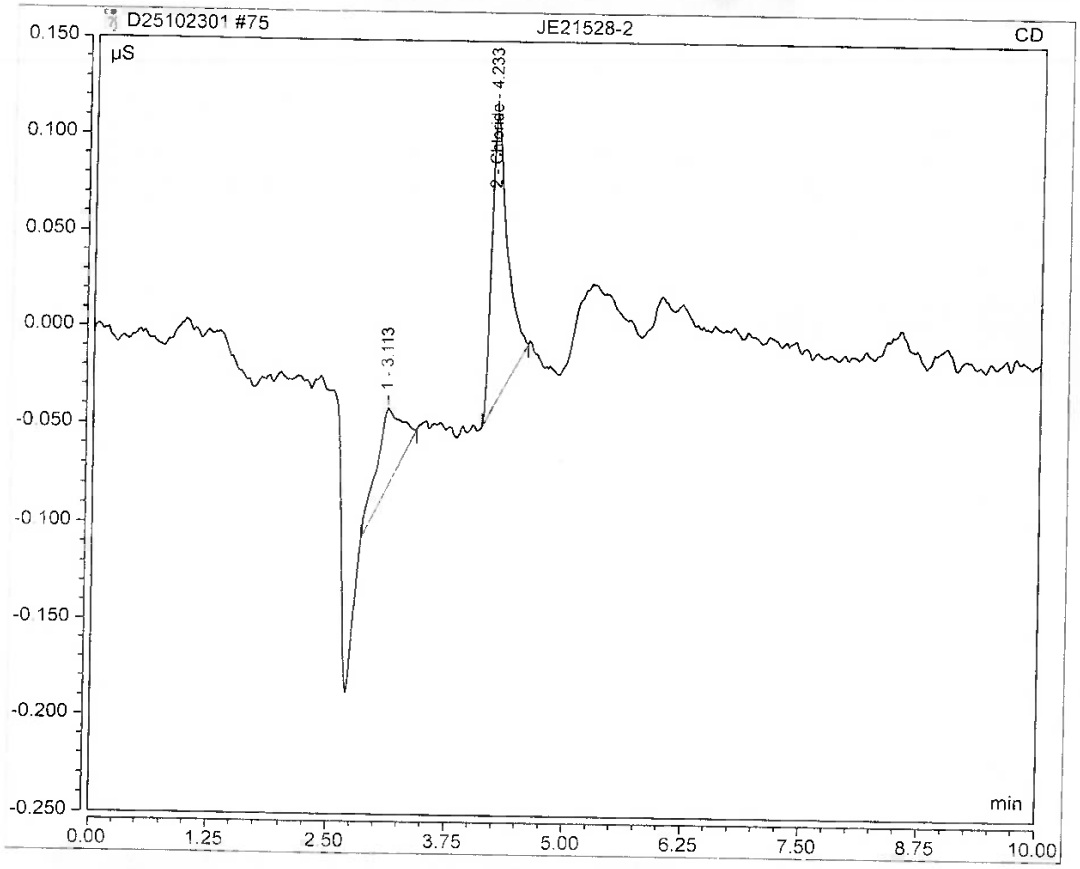
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	JE21528-2	*Inj. Vol.:*	5000.00
Injection Type:	Unknown	*Dilution Factor:*	1.0000
Instrument Method:	Anions_012919	*Operator:*	Chemistry
Inj. Date / Time:	24-Oct-2025 / 02:07	*Run Time:*	10.00

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	4.23	Chloride	BMB	0.029	0.151	0.4187
		TOTAL:		0.03	0.15	0.42



Anion/Integration

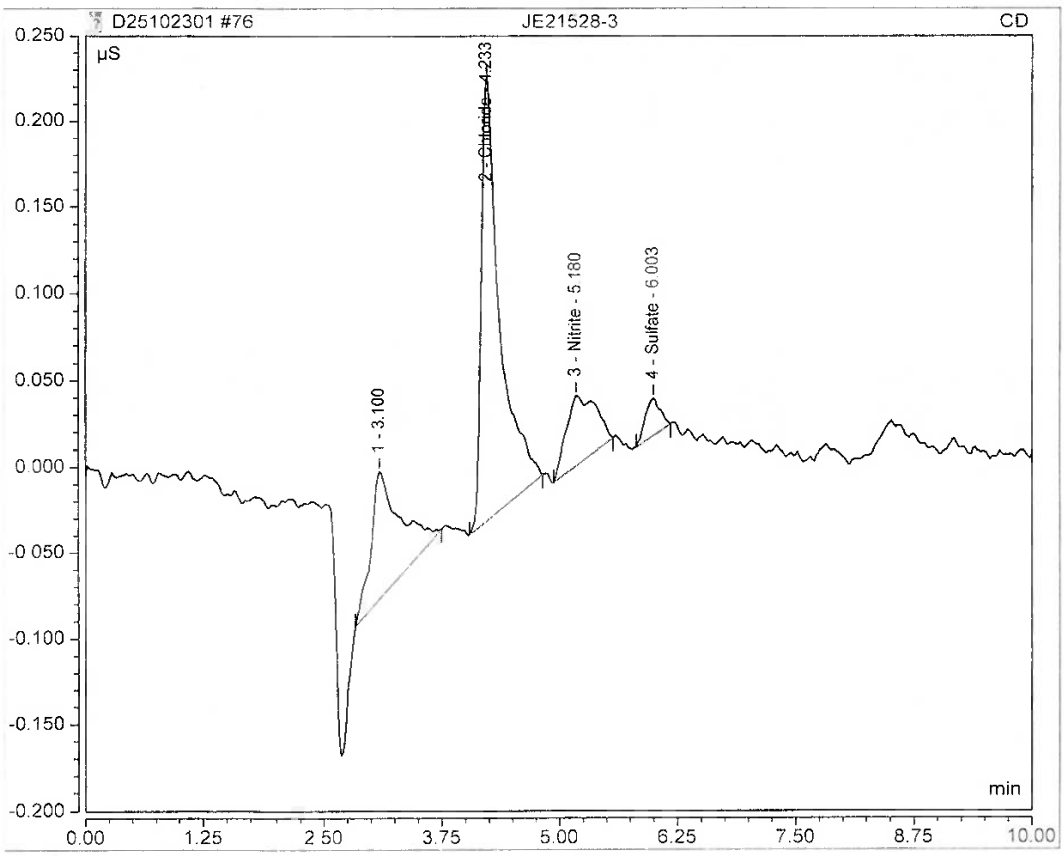
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	**JE21528-3**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_012919**	*Operator:*	**Chemistry**
Inj. Date / Time:	**24-Oct-2025 / 02:20**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	4.23	Chloride	BMB	0.058	0.257	0.5223
3	5.18	Nitrite	BMB	0.014	0.041	n.a.
4	6.00	Sulfate	BMB	0.004	0.022	1.0243
TOTAL:				0.08	0.32	1.55



Anion/Integration

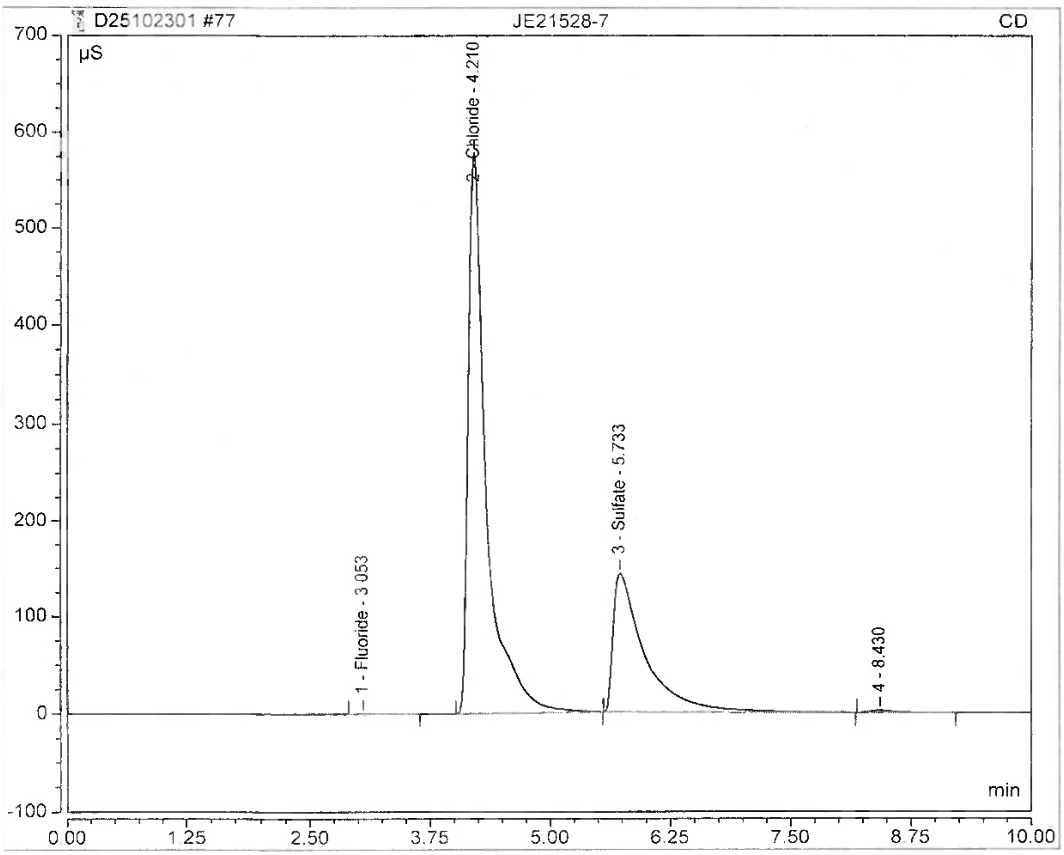
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	**JE21528-7**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_012919**	*Operator:*	**Chemistry**
Inj. Date / Time:	**24-Oct-2025 / 02:33**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	3.05	Fluoride	BMB	0.055	0.174	0.2007
2	4.21	Chloride	BMB	126.247	578.924	436.8505
3	5.73	Sulfate	BMB	53.395	142.898	250.5101
TOTAL:				179.70	722.00	687.56



Anion/Integration

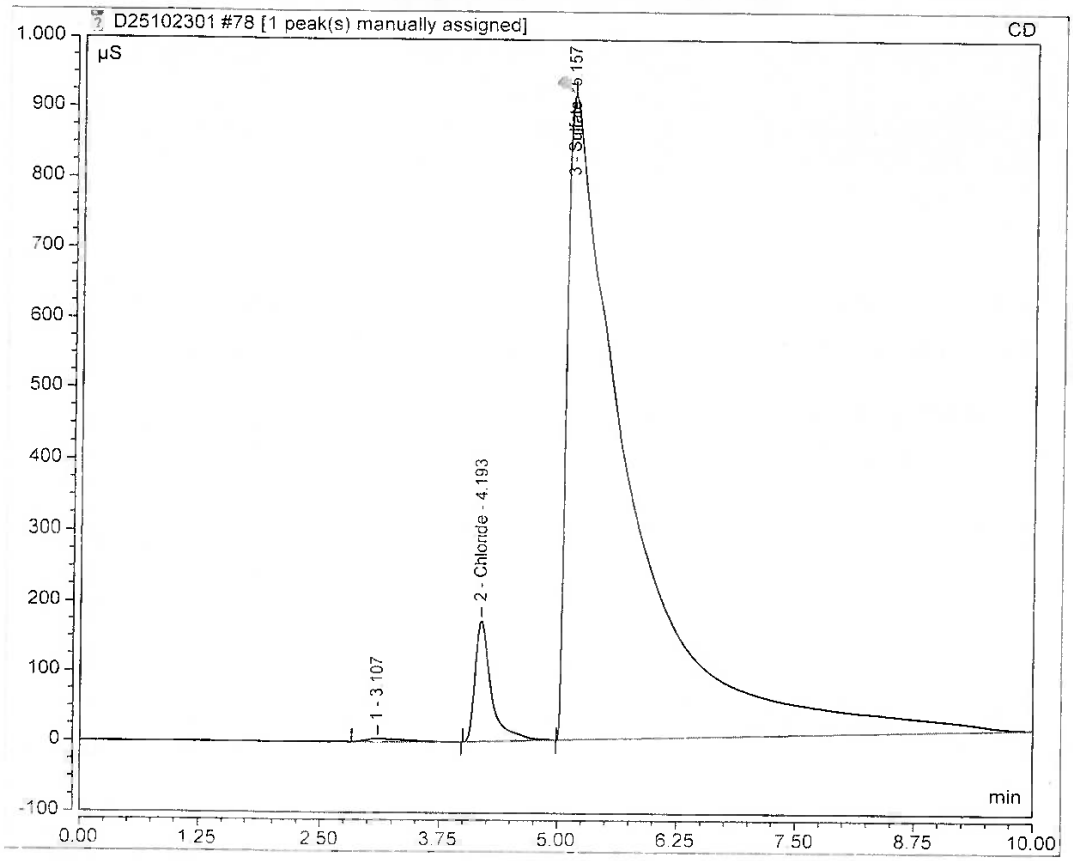
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	JE21528-8	*Inj. Vol.:*	5000.00
Injection Type:	Unknown	*Dilution Factor:*	1.0000
Instrument Method:	Anions_012919	*Operator:*	Chemistry
Inj. Date / Time:	24-Oct-2025 / 02:46	*Run Time:*	10.00

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	4.19	Chloride	BMB	34.653	173.612	120.1408
3	5.16	Sulfate	BMB^	713.216	917.316	3333.7588
TOTAL:				747.87	1090.93	3453.90



Anion/Integration

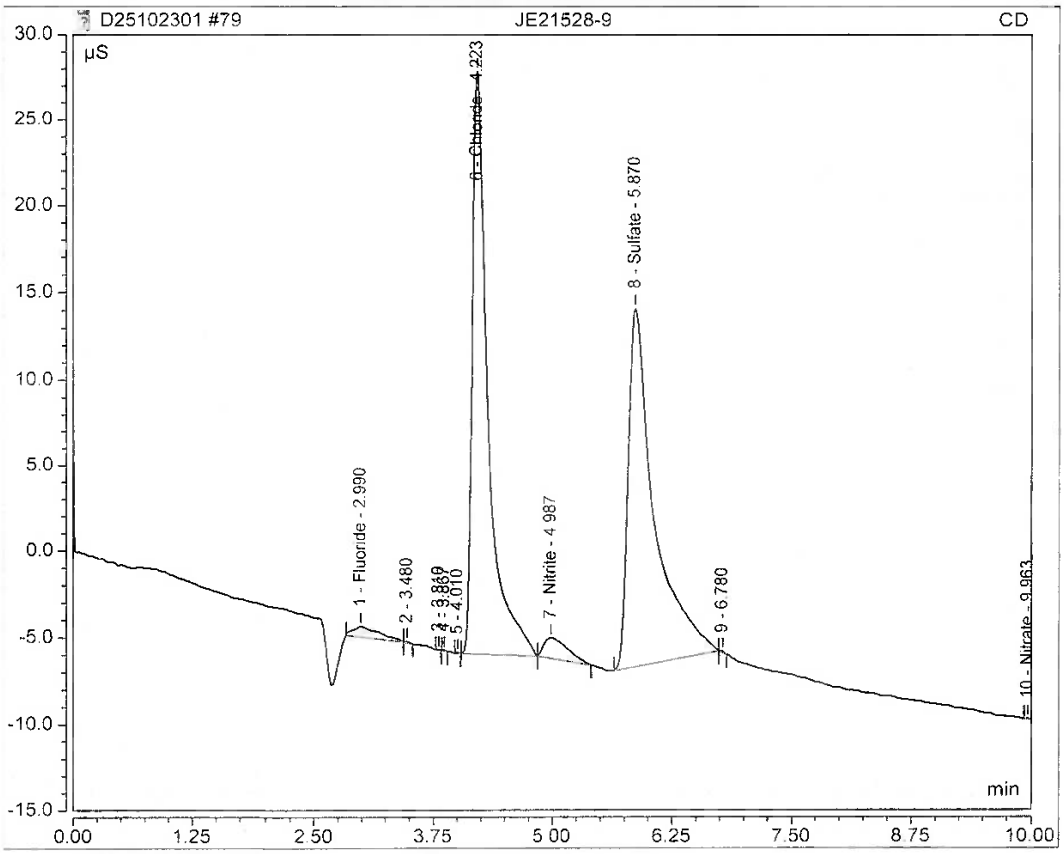
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	JE21528-9	*Inj. Vol.:*	5000.00
Injection Type:	Unknown	*Dilution Factor:*	1.0000
Instrument Method:	Anions_012919	*Operator:*	Chemistry
Inj. Date / Time:	24-Oct-2025 / 02:59	*Run Time:*	10.00

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.99	Fluoride	BMB	0.204	0.626	0.6180
6	4.22	Chloride	BMB	6.381	33.822	22.3849
7	4.99	Nitrite	BMB	0.347	1.181	3.2869
8	5.87	Sulfate	BMb	6.560	20.764	31.6581
10	9.96	Nitrate	BMB	0.001	0.033	n.a.
TOTAL:				13.49	56.43	57.95



Anion/Integration

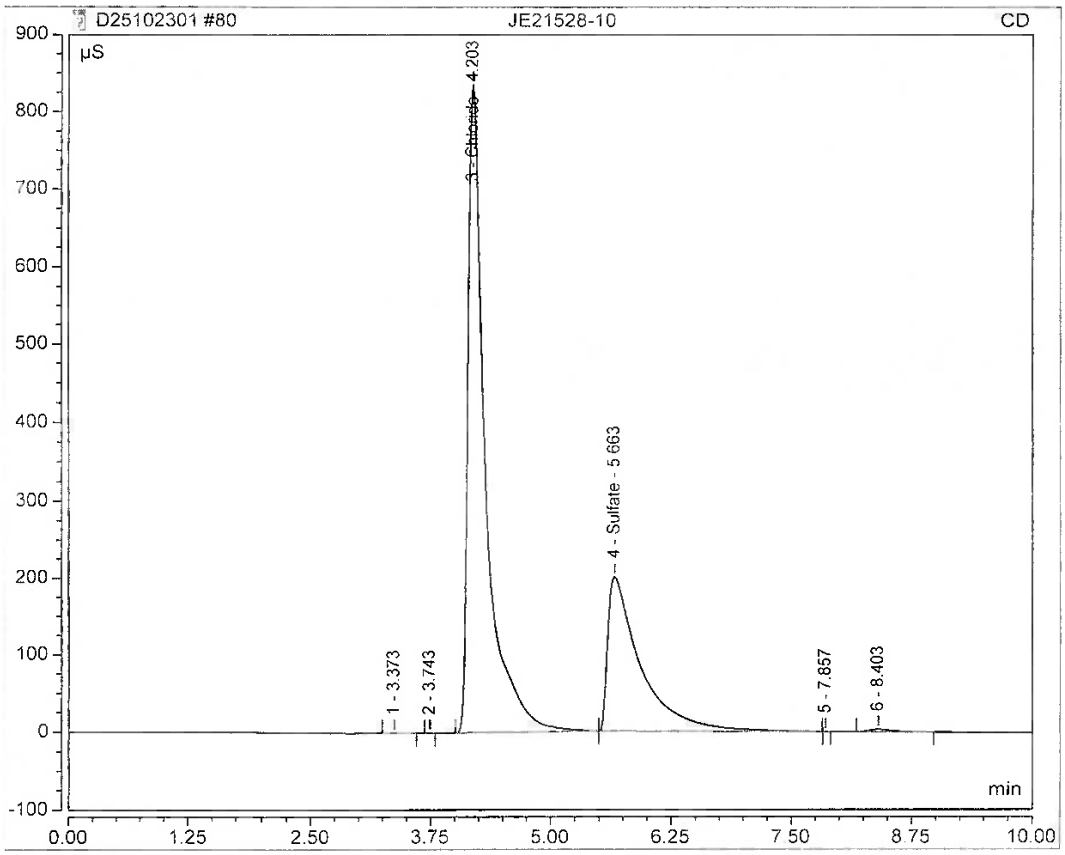
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	**JE21528-10**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_012919**	*Operator:*	**Chemistry**
Inj. Date / Time:	**24-Oct-2025 / 03:12**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
3	4.20	Chloride	BMB	176.073	835.444	609.1367
4	5.66	Sulfate	BMb	78.608	200.320	368.3282
TOTAL:				254.68	1035.76	977.46



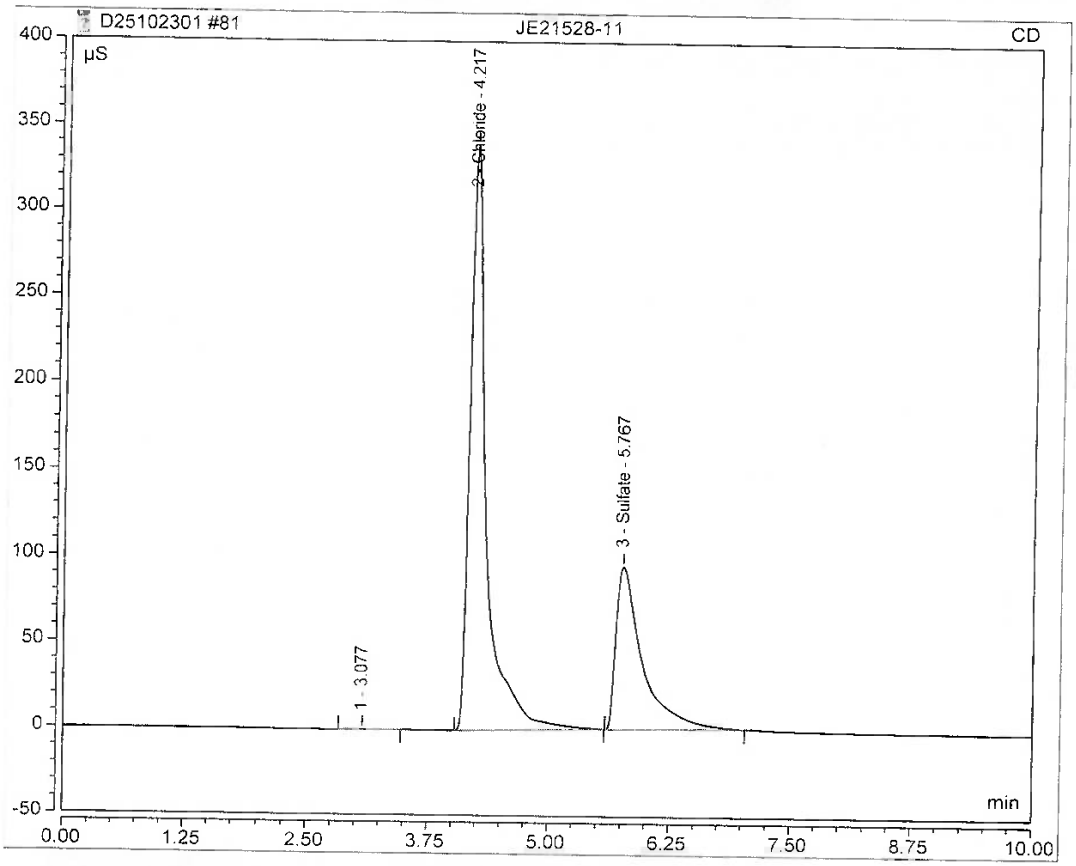
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	**JE21528-11**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_012919**	*Operator:*	**Chemistry**
Inj. Date / Time:	**24-Oct-2025 / 03:25**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	4.22	Chloride	BMB	67.987	339.063	235.4018
3	5.77	Sulfate	BMB	29.932	94.767	140.8729
TOTAL:				97.92	433.83	376.27



Anion/Integration

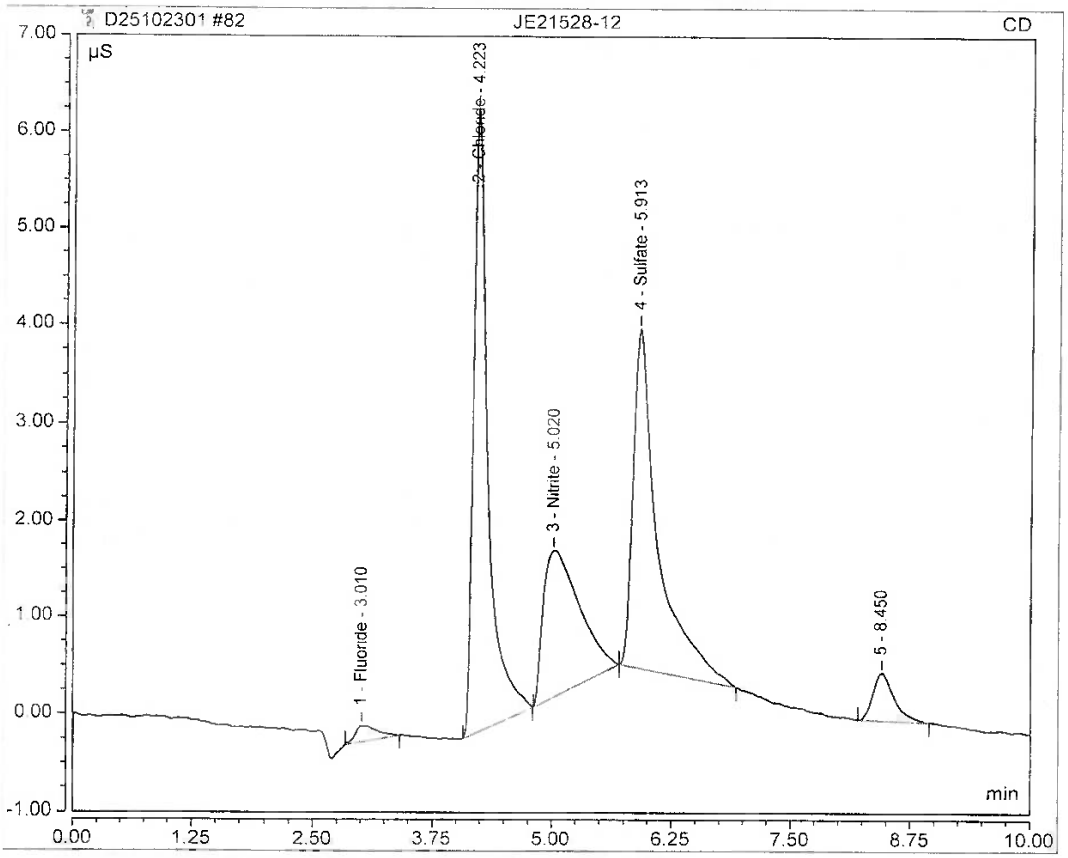
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	**JE21528-12**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_012919**	*Operator:*	**Chemistry**
Inj. Date / Time:	**24-Oct-2025 / 03:38**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	3.01	Fluoride	BMB	0.043	0.163	0.1675
2	4.22	Chloride	BMB	1.132	6.436	4.2327
3	5.02	Nitrite	BMb	0.659	1.520	6.4258
4	5.91	Sulfate	bMB	1.057	3.490	5.9445
TOTAL:				2.89	11.61	16.77



Anion/Integration

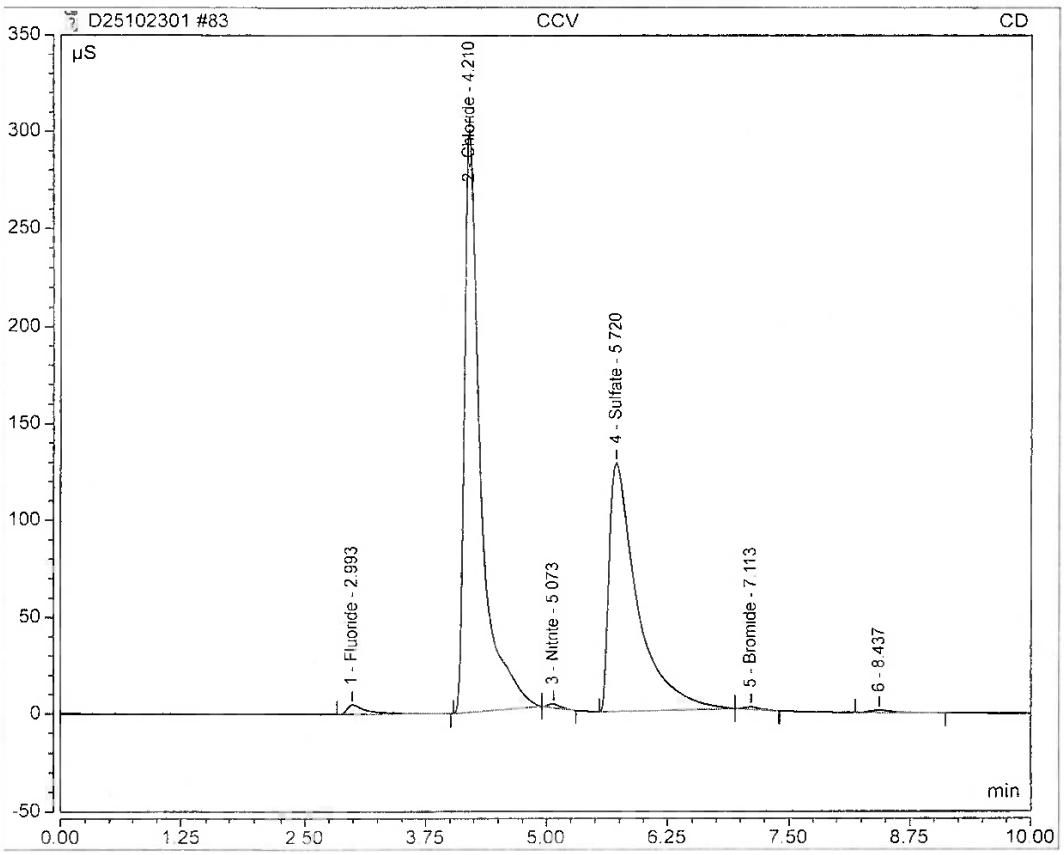
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	CCV	*Inj. Vol.:*	5000.00
Injection Type:	Unknown	*Dilution Factor:*	1.0000
Instrument Method:	Anions_012919	*Operator:*	Chemistry
Inj. Date / Time:	24-Oct-2025 / 03:51	*Run Time:*	10.00

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.99	Fluoride	BMB	1.161	4.826	3.3017
2	4.21	Chloride	BMb	58.744	299.839	203.4409
3	5.07	Nitrite	bMB	0.287	1.985	2.6835
4	5.72	Sulfate	BMb	43.413	128.566	203.8671
5	7.11	Bromide	bMB	0.230	1.250	2.8307
TOTAL:				103.83	436.47	416.12



Anion/Integration

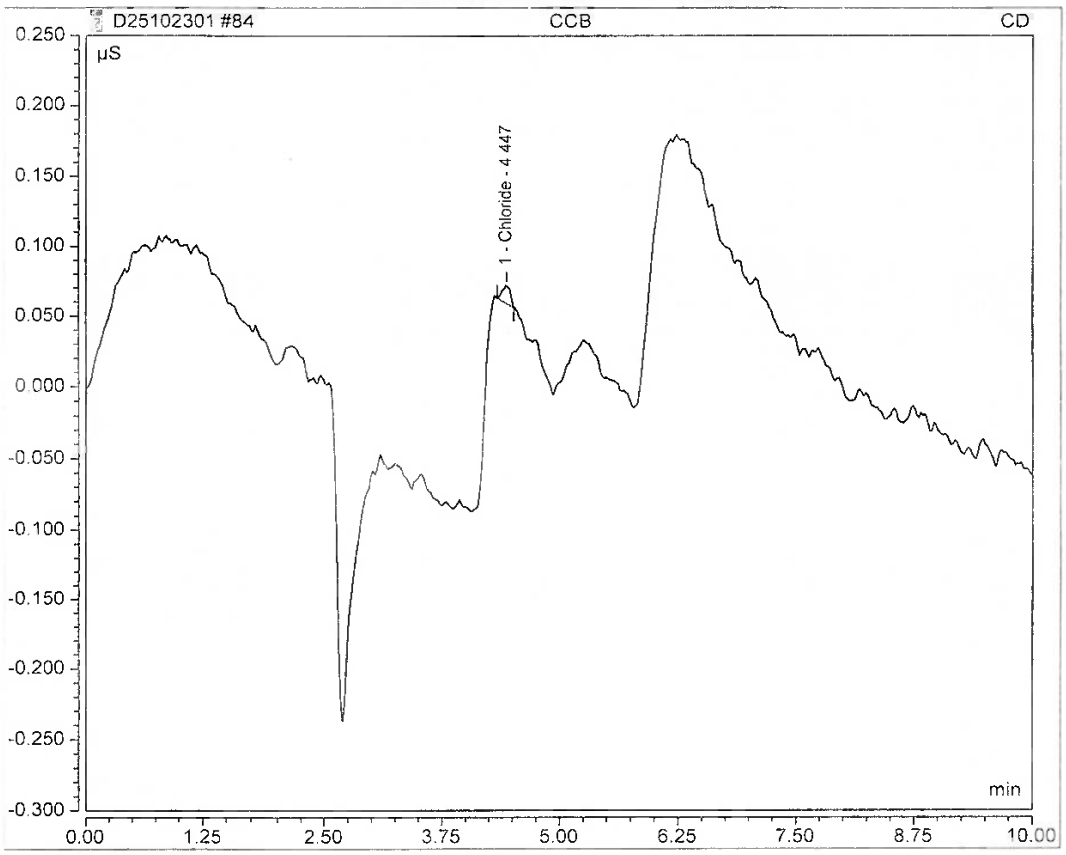
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	CCB	*Inj. Vol.:*	5000.00
Injection Type:	Unknown	*Dilution Factor:*	1.0000
Instrument Method:	Anions_012919	*Operator:*	Chemistry
Inj. Date / Time:	24-Oct-2025 / 04:04	*Run Time:*	10.00

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	4.45	Chloride	BMB	0.001	0.013	0.3245
		TOTAL:		0.00	0.01	0.32



Anion/Integration

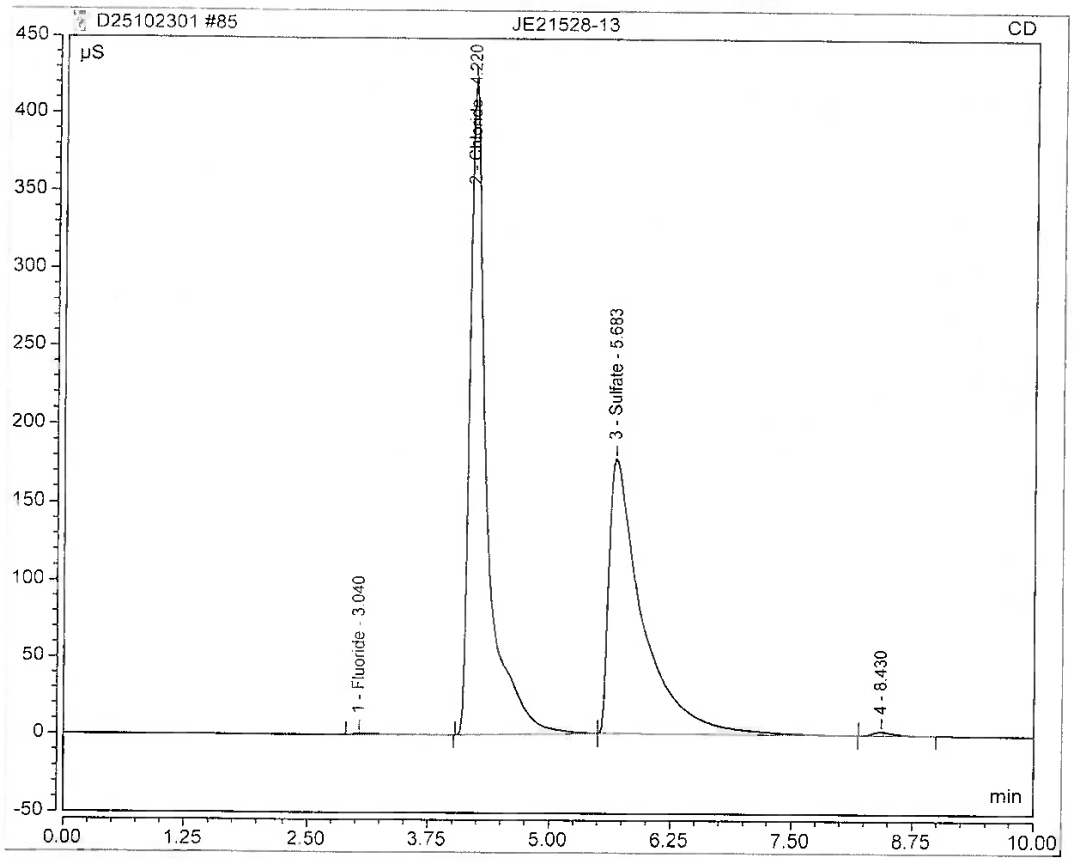
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	JE21528-13	*Inj. Vol.:*	5000.00
Injection Type:	Unknown	*Dilution Factor:*	1.0000
Instrument Method:	Anions_012919	*Operator:*	Chemistry
Inj. Date / Time:	24-Oct-2025 / 04:17	*Run Time:*	10.00

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	3.04	Fluoride	BMB	0.309	1.007	0.9144
2	4.22	Chloride	BMB	87.595	423.045	303.2013
3	5.68	Sulfate	BMB	70.928	177.680	332.4420
TOTAL:				158.83	601.73	636.56



Anion/Integration

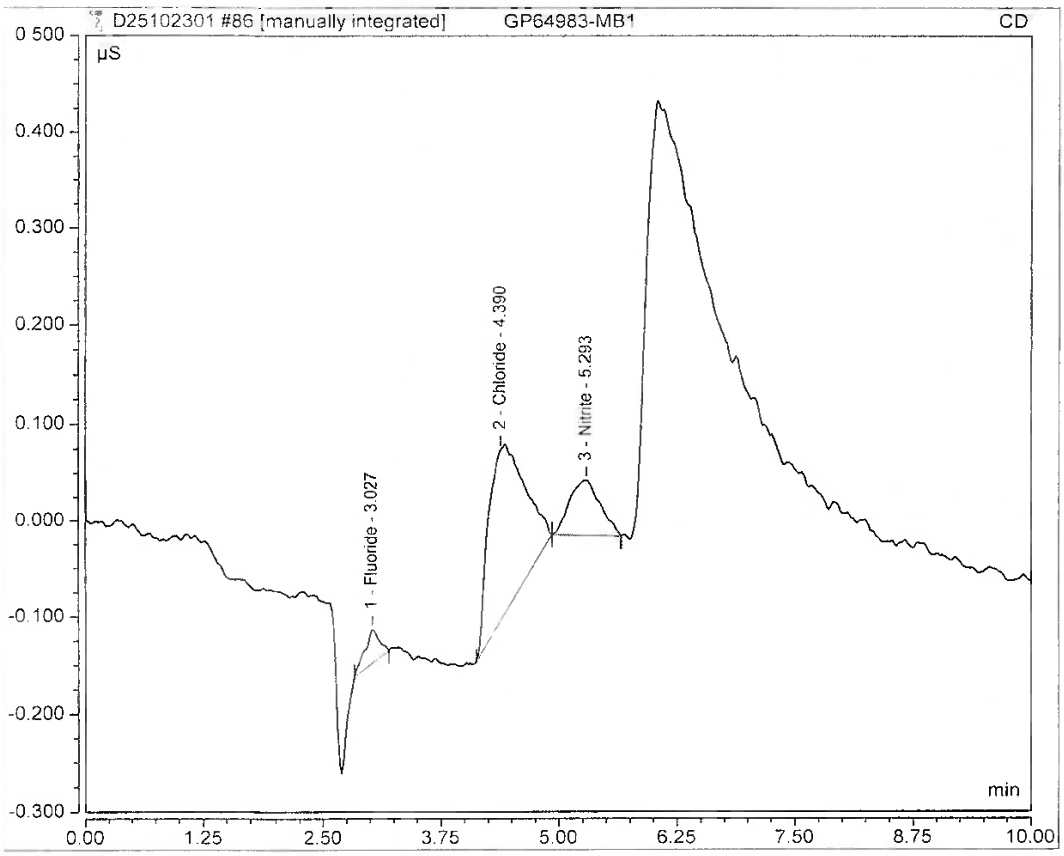
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	GP64983-MB1	*Inj. Vol.:*	5000.00
Injection Type:	Unknown	*Dilution Factor:*	1.0000
Instrument Method:	Anions_012919	*Operator:*	Chemistry
Inj. Date / Time:	24-Oct-2025 / 04:30	*Run Time:*	10.00

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	3.03	Fluoride	BMB	0.006	0.035	0.0647
2	4.39	Chloride	BMb	0.079	0.177	0.5932
3	5.29	Nitrite	bMB	0.022	0.058	0.0110
TOTAL:				0.11	0.27	0.67



Anion/Integration

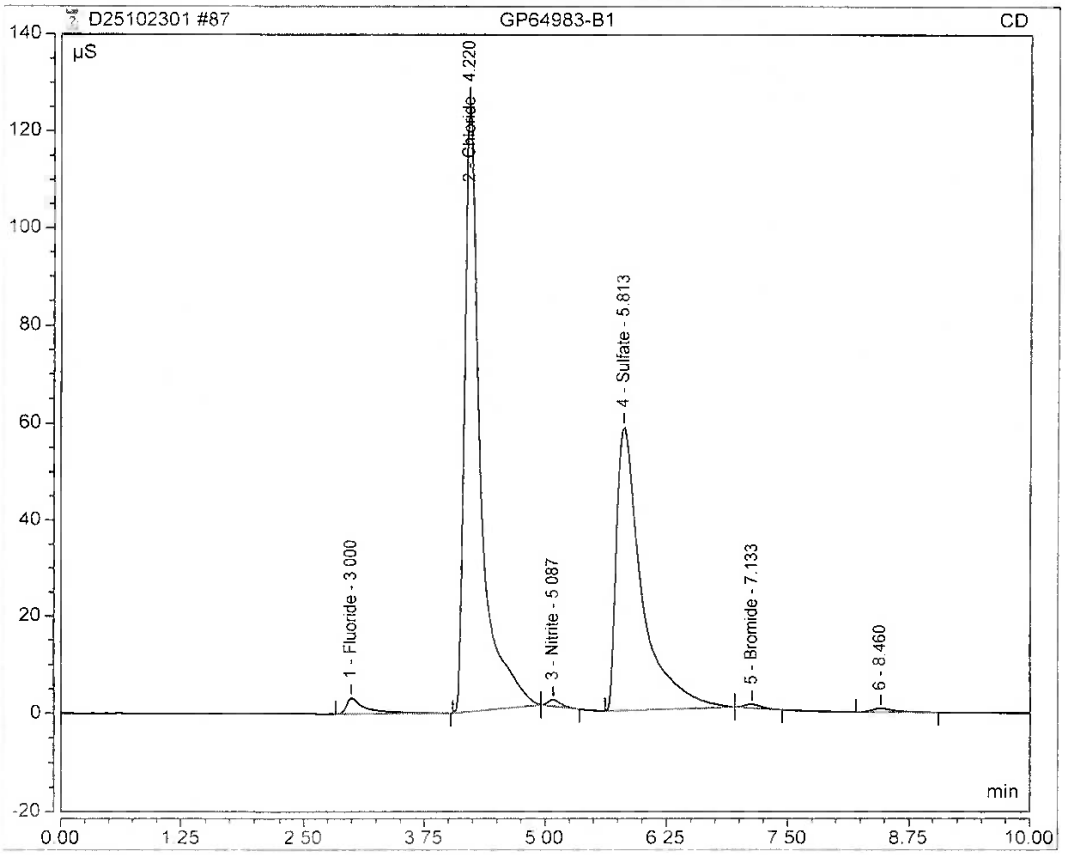
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	GP64983-B1	*Inj. Vol.:*	5000.00
Injection Type:	Unknown	*Dilution Factor:*	1.0000
Instrument Method:	Anions_012919	*Operator:*	Chemistry
Inj. Date / Time:	24-Oct-2025 / 04:43	*Run Time:*	10.00

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	3.00	Fluoride	BMB	0.763	3.247	2.1870
2	4.22	Chloride	BMb	23.727	125.626	82.3618
3	5.09	Nitrite	bMB	0.204	1.355	1.8499
4	5.81	Sulfate	BMb	17.743	58.748	83.9159
5	7.13	Bromide	bMB	0.155	0.814	1.9480
TOTAL:				42.59	189.79	172.26



Anion/Integration

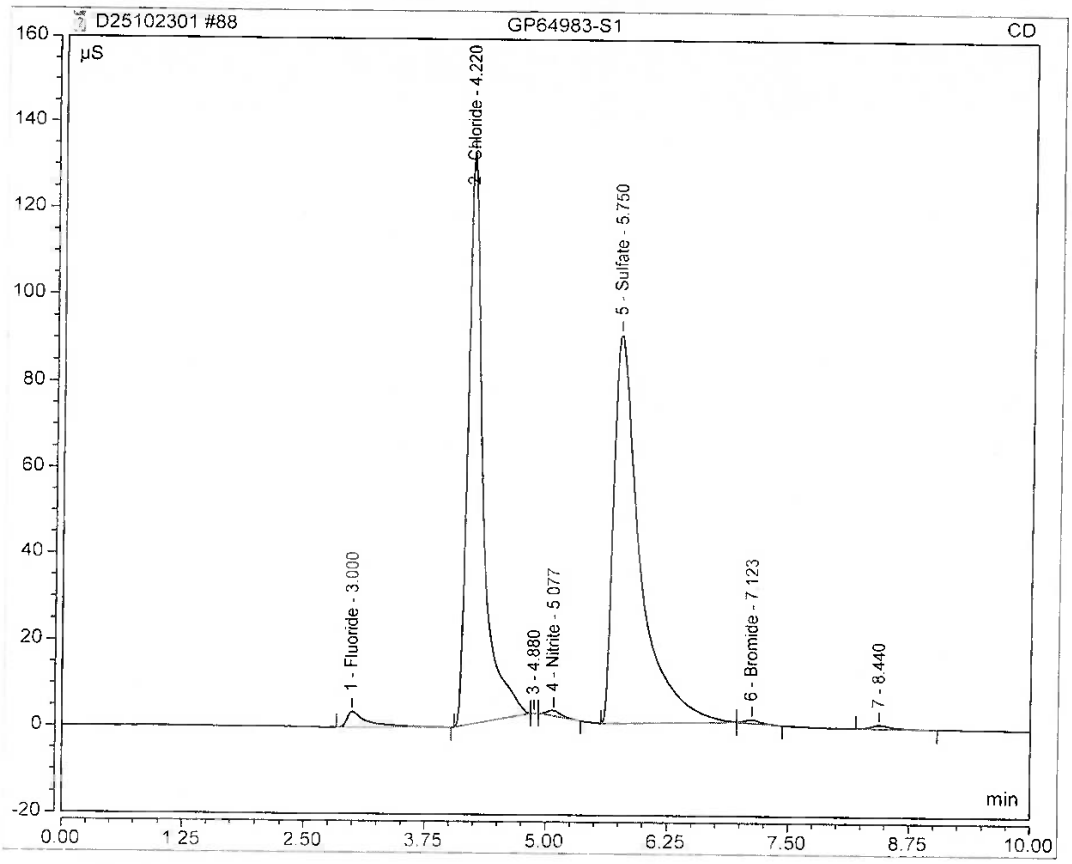
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	GP64983-S1	*Inj. Vol.:*	5000.00
Injection Type:	Unknown	*Dilution Factor:*	1.0000
Instrument Method:	Anions_012919	*Operator:*	Chemistry
Inj. Date / Time:	24-Oct-2025 / 04:55	*Run Time:*	10.00

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	3.00	Fluoride	BMB	0.903	3.662	2.5782
2	4.22	Chloride	BMb	23.947	132.562	83.1242
4	5.08	Nitrite	bMB	0.202	1.240	1.8285
5	5.75	Sulfate	BMb	28.476	90.147	134.0682
6	7.12	Bromide	bMB	0.148	0.816	1.8674
TOTAL:				53.68	228.43	223.47



Anion/Integration

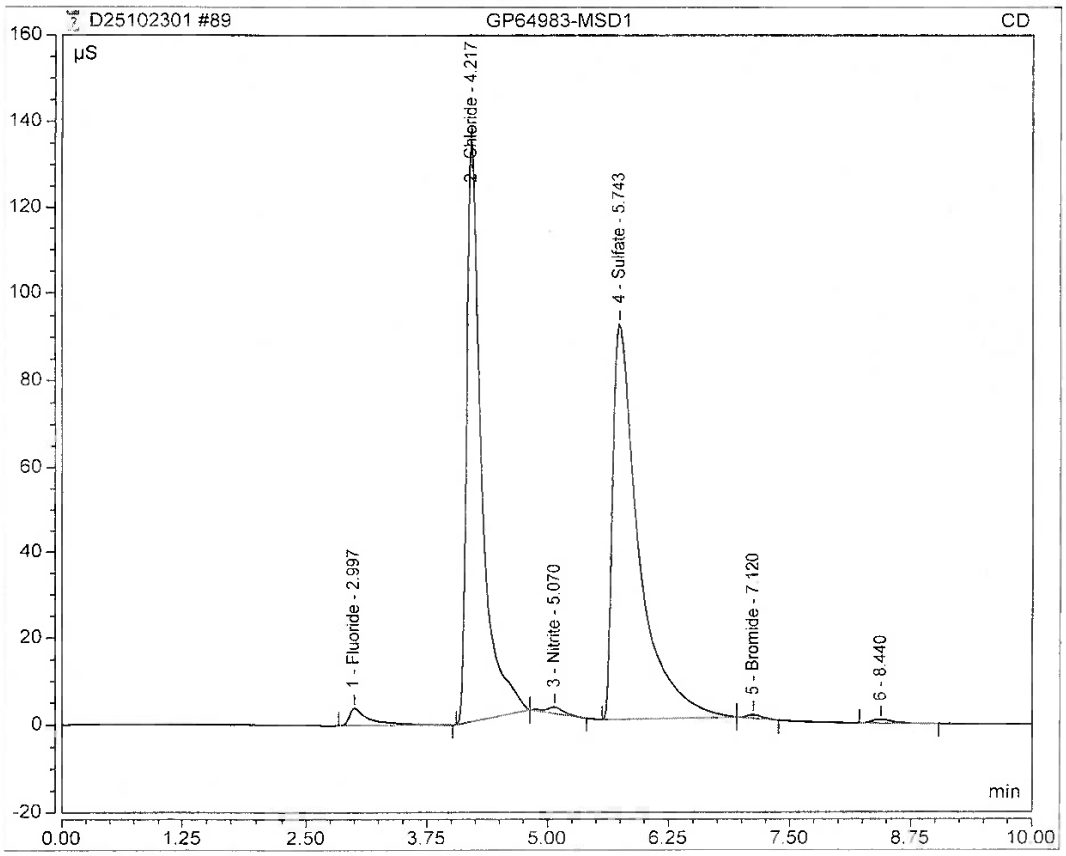
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	GP64983-MSD1	*Inj. Vol.:*	5000.00
Injection Type:	Unknown	*Dilution Factor:*	1.0000
Instrument Method:	Anions_012919	*Operator:*	Chemistry
Inj. Date / Time:	24-Oct-2025 / 05:08	*Run Time:*	10.00

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	3.00	Fluoride	BMB	0.961	3.928	2.7413
2	4.22	Chloride	BMb	24.053	134.691	83.4877
3	5.07	Nitrite	bMB	0.308	1.507	2.8910
4	5.74	Sulfate	BMb	28.626	91.838	134.7705
5	7.12	Bromide	bMB	0.146	0.819	1.8399
TOTAL:				54.09	232.78	225.73



Anion/integration

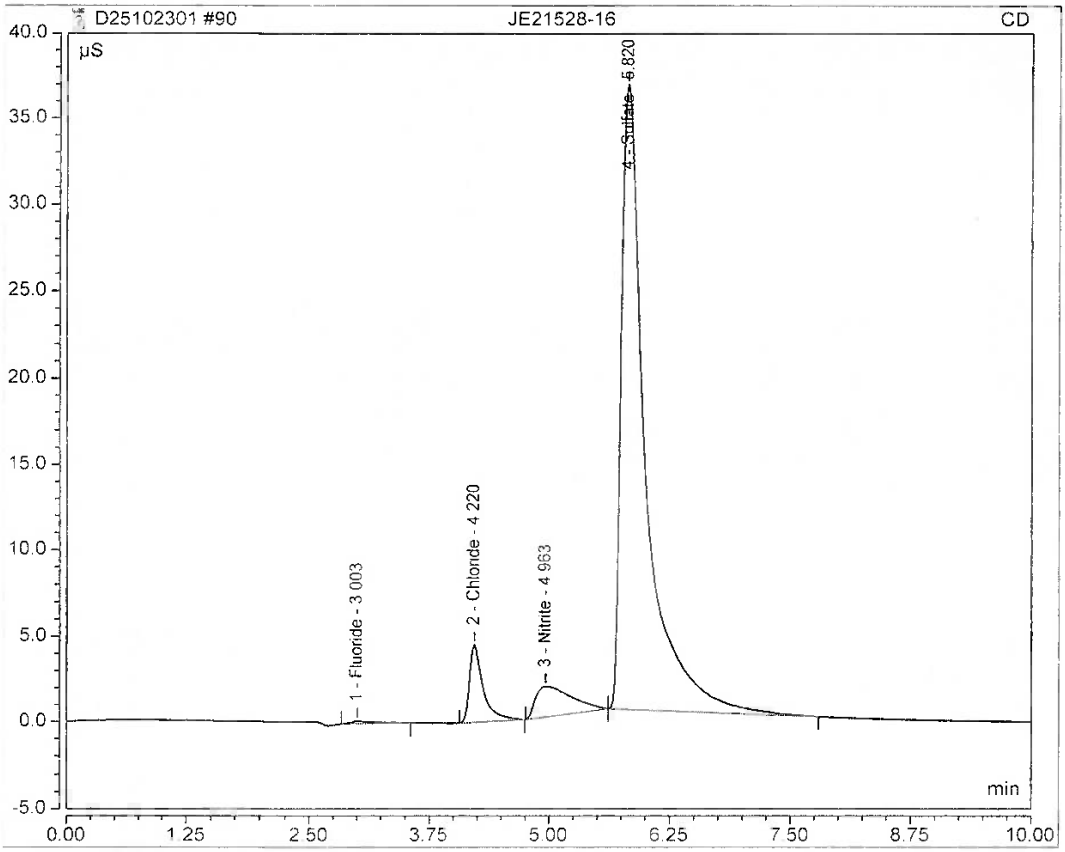
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	**JE21528-16**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_012919**	*Operator:*	**Chemistry**
Inj. Date / Time:	**24-Oct-2025 / 05:21**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	3 00	Fluoride	BMB	0.043	0.150	0.1677
2	4 22	Chloride	BMB	0.752	4.554	2.9206
3	4 96	Nitrite	BMb	0.766	1.792	7 5058
4	5 82	Sulfate	bMB	10.692	36.293	50.9694
TOTAL:				12.25	42.79	61 56



Anion/Integration

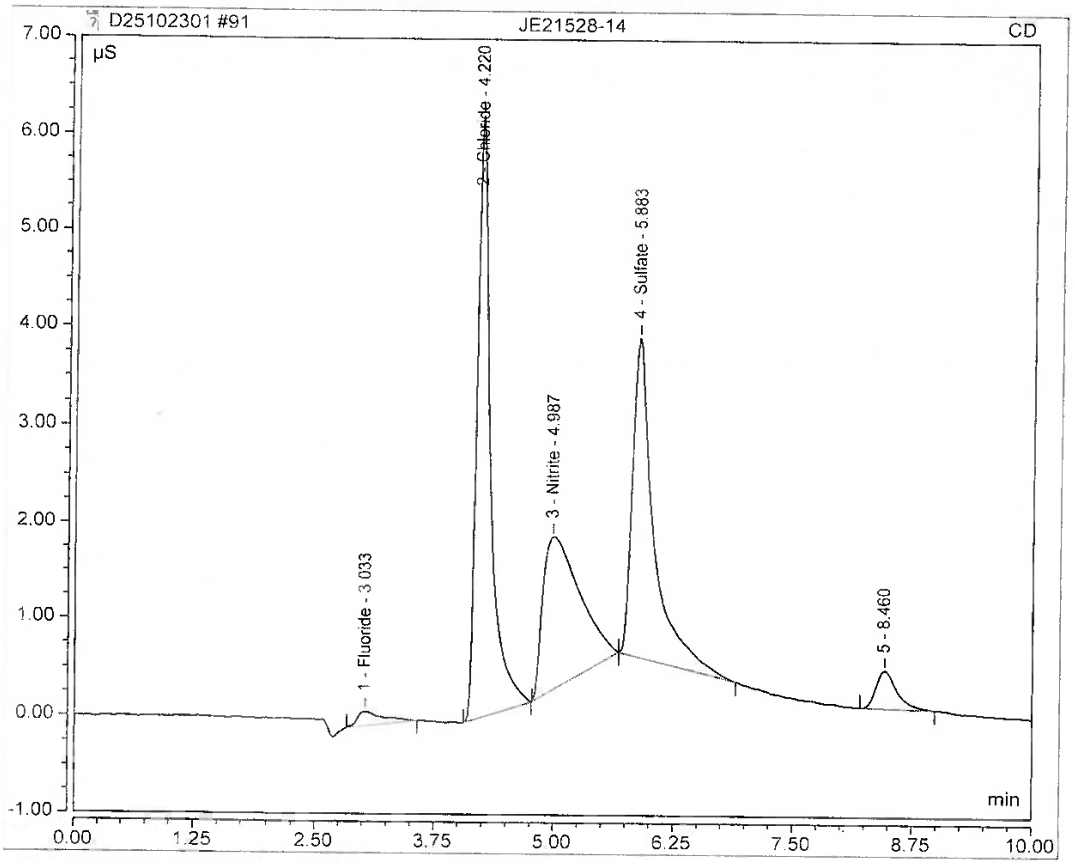
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	JE21528-14	*Inj. Vol.:*	5000.00
Injection Type:	Unknown	*Dilution Factor:*	1.0000
Instrument Method:	Anions_012919	*Operator:*	Chemistry
Inj. Date / Time:	24-Oct-2025 / 05:34	*Run Time:*	10.00

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	3.03	Fluoride	BMB	0.045	0.145	0.1742
2	4.22	Chloride	BMB	1.022	6.211	3.8537
3	4.99	Nitrite	BMb	0.696	1.589	6.7965
4	5.88	Sulfate	bMB	0.853	3.285	4.9928
TOTAL:				2.62	11.23	15.82



Anion/Integration

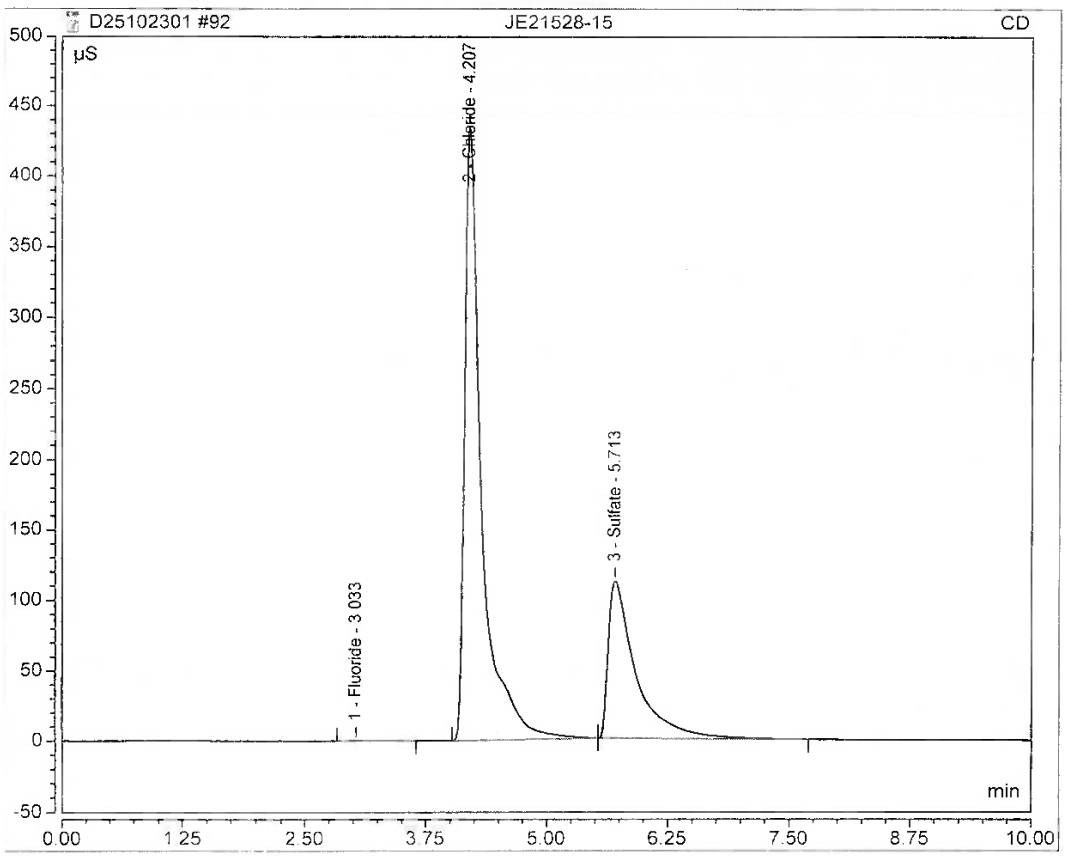
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	**JE21528-15**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_012919**	*Operator:*	**Chemistry**
Inj. Date / Time:	**24-Oct-2025 / 05:47**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	3.03	Fluoride	BMB	0.063	0.198	0.2250
2	4.21	Chloride	BMB	87.510	434.602	302.9065
3	5.71	Sulfate	BMB	36.925	111.814	173.5505
TOTAL:				124.50	546.61	476.68



Anion/Integration

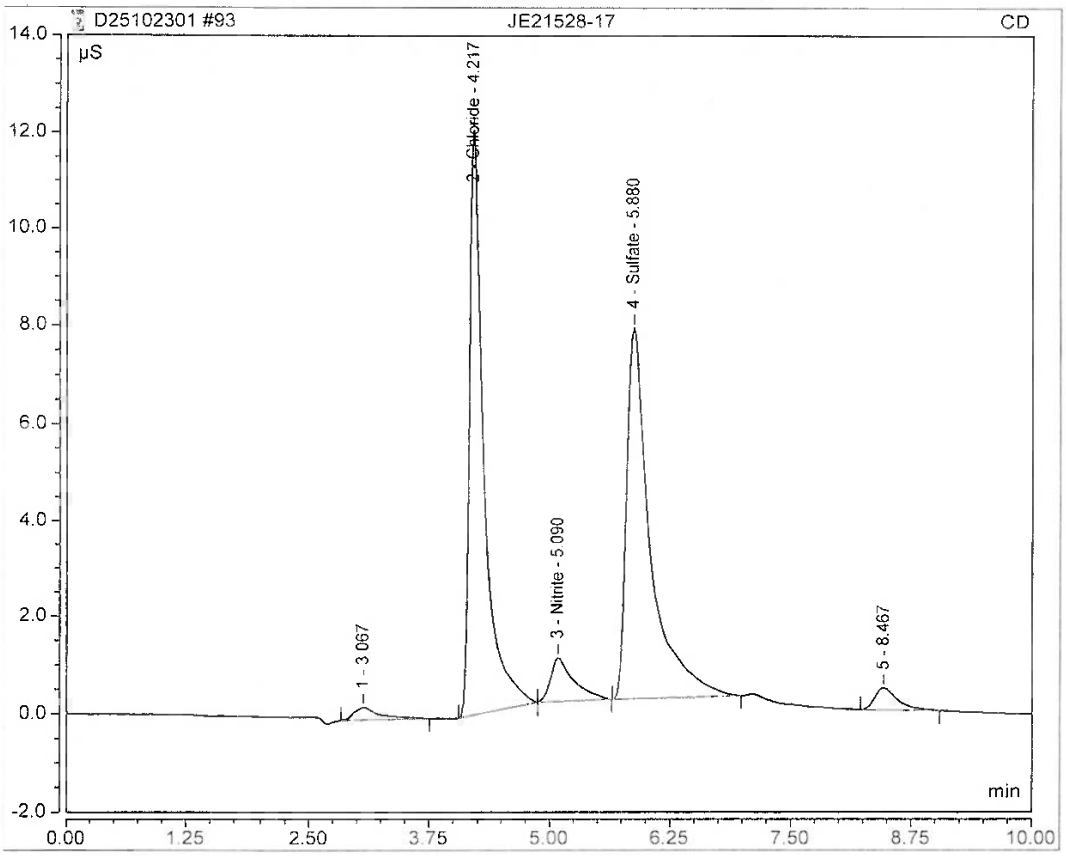
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	**JE21528-17**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_012919**	*Operator:*	**Chemistry**
Inj. Date / Time:	**24-Oct-2025 / 06:00**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	4.22	Chloride	BMb	2.125	12.075	7.6682
3	5.09	Nitrite	bMB	0.247	0.890	2.2835
4	5.88	Sulfate	BMB	2.184	7.635	11.2104
TOTAL:				4.56	20.60	21.16



Anion/Integration

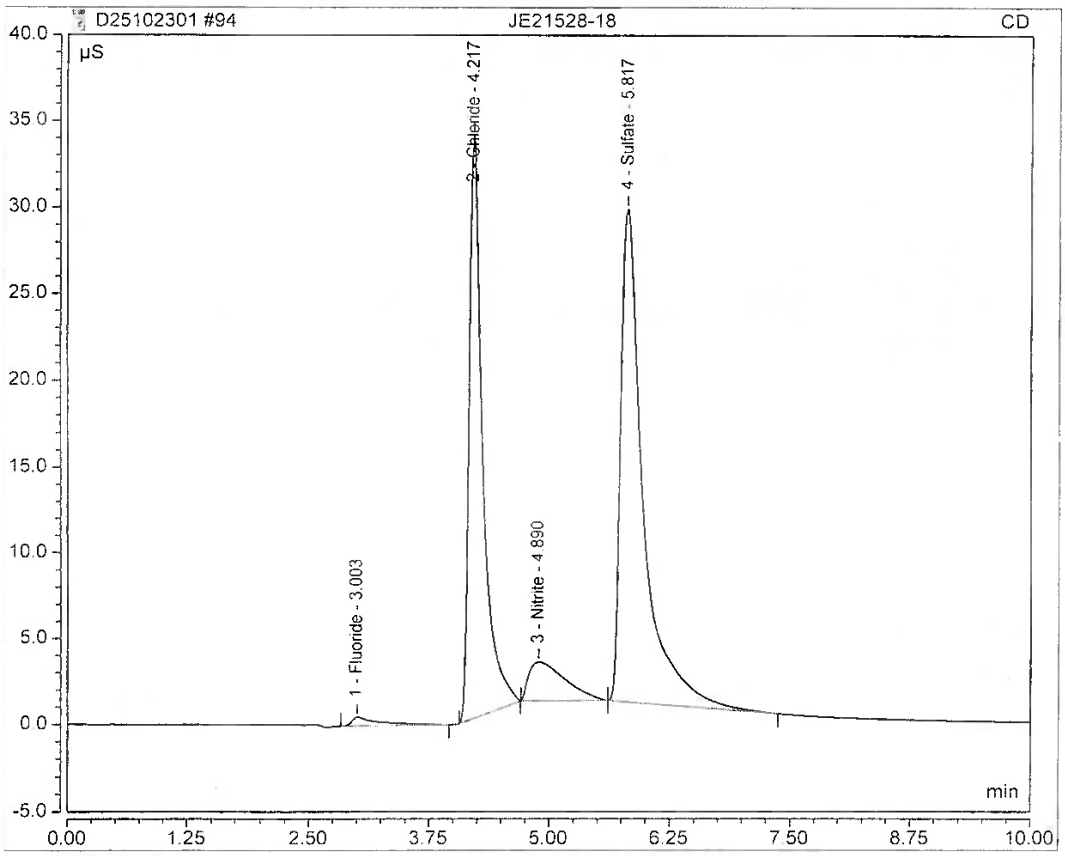
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	**JE21528-18**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_012919**	*Operator:*	**Chemistry**
Inj. Date / Time:	**24-Oct-2025 / 06:13**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	3.00	Fluoride	BMB	0.167	0.498	0.5143
2	4.22	Chloride	BMB	5.536	33.787	19.4626
3	4.89	Nitrite	BMb	0.986	2.252	9.7221
4	5.82	Sulfate	bMB	7.783	28.630	37.3747
TOTAL:				14.47	65.17	67.07



Anion/Integration

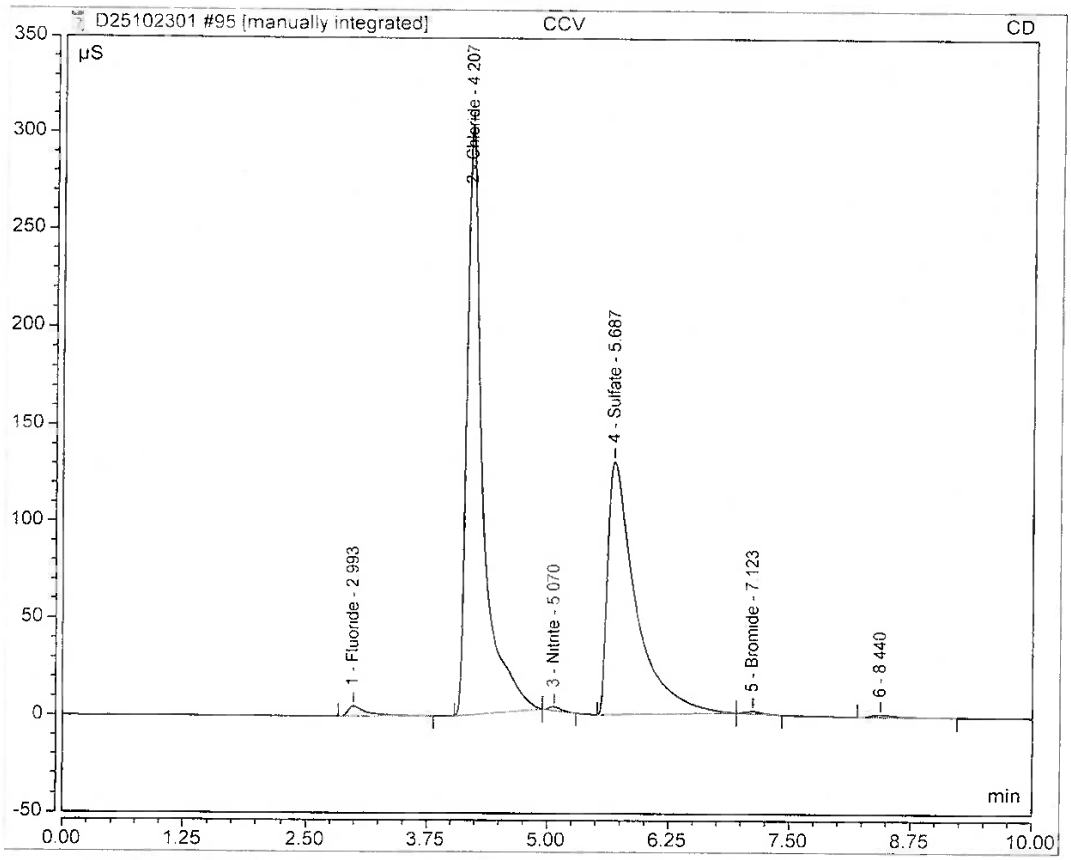
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	CCV	*Inj. Vol.:*	5000.00
Injection Type:	Unknown	*Dilution Factor:*	1.0000
Instrument Method:	Anions_012919	*Operator:*	Chemistry
Inj. Date / Time:	24-Oct-2025 / 06:26	*Run Time:*	10.00

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.99	Fluoride	BMB*	1.130	5.236	3.2146
2	4.21	Chloride	BMb	58.228	303.746	201.6567
3	5.07	Nitrite	bMB	0.279	2.004	2.5990
4	5.69	Sulfate	BMb	43.777	130.789	205.5689
5	7.12	Bromide	bMB	0.230	1.247	2.8351
TOTAL:				103.64	443.02	415.87



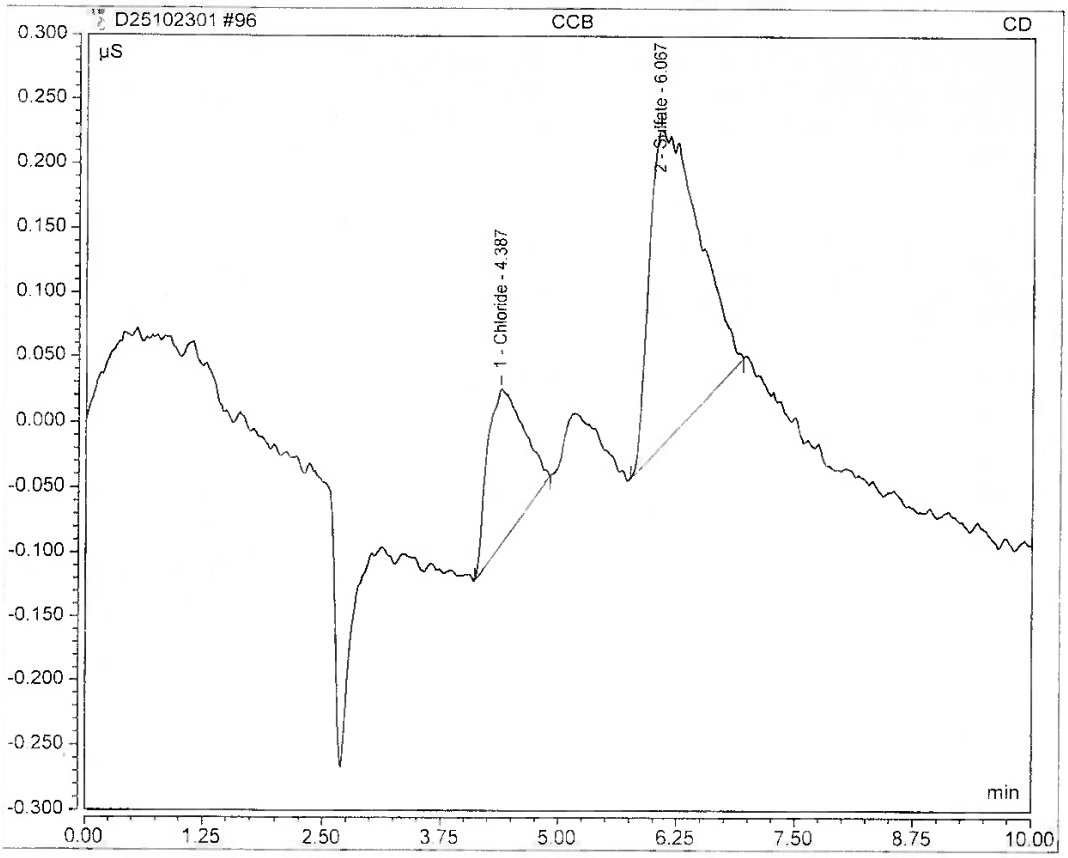
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	CCB	*Inj. Vol.:*	5000.00
Injection Type:	Unknown	*Dilution Factor:*	1.0000
Instrument Method:	Anions_012919	*Operator:*	Chemistry
Inj. Date / Time:	24-Oct-2025 / 06:39	*Run Time:*	10.00

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	4.39	Chloride	BMB	0.052	0.119	0.4992
2	6.07	Sulfate	BMB	0.146	0.246	1.6872
TOTAL:				0.20	0.37	2.19



Anion/Integration

Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

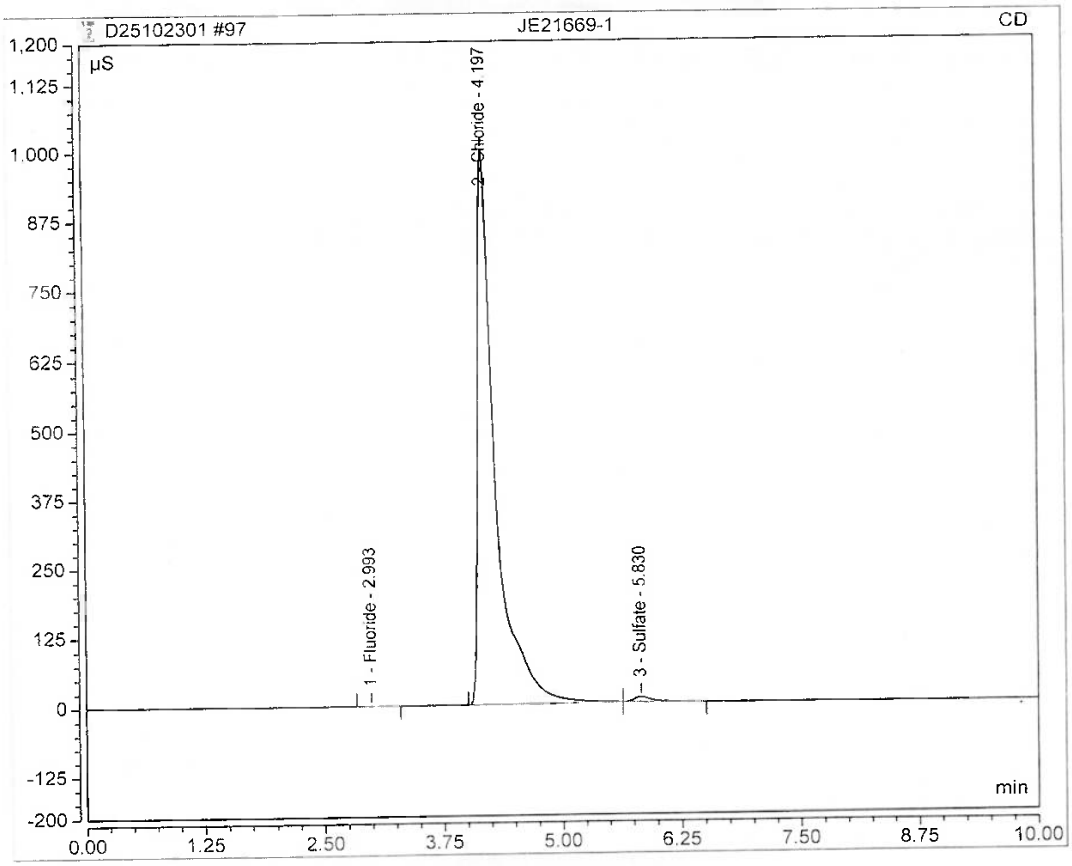
15.5
15

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	JE21669-1	*Inj. Vol.:*	5000.00
Injection Type:	Unknown	*Dilution Factor:*	1.0000
Instrument Method:	Anions_012919	*Operator:*	Chemistry
Inj. Date / Time:	24-Oct-2025 / 06:52	*Run Time:*	10.00

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.99	Fluoride	BMB	0.014	0.064	0.0862
2	4.20	Chloride	BMb	211.328	1000.919	731.0391
3	5.83	Sulfate	bMB	1.799	8.548	9.4119
TOTAL:				213.14	1009.53	740.54



Anion/Integration

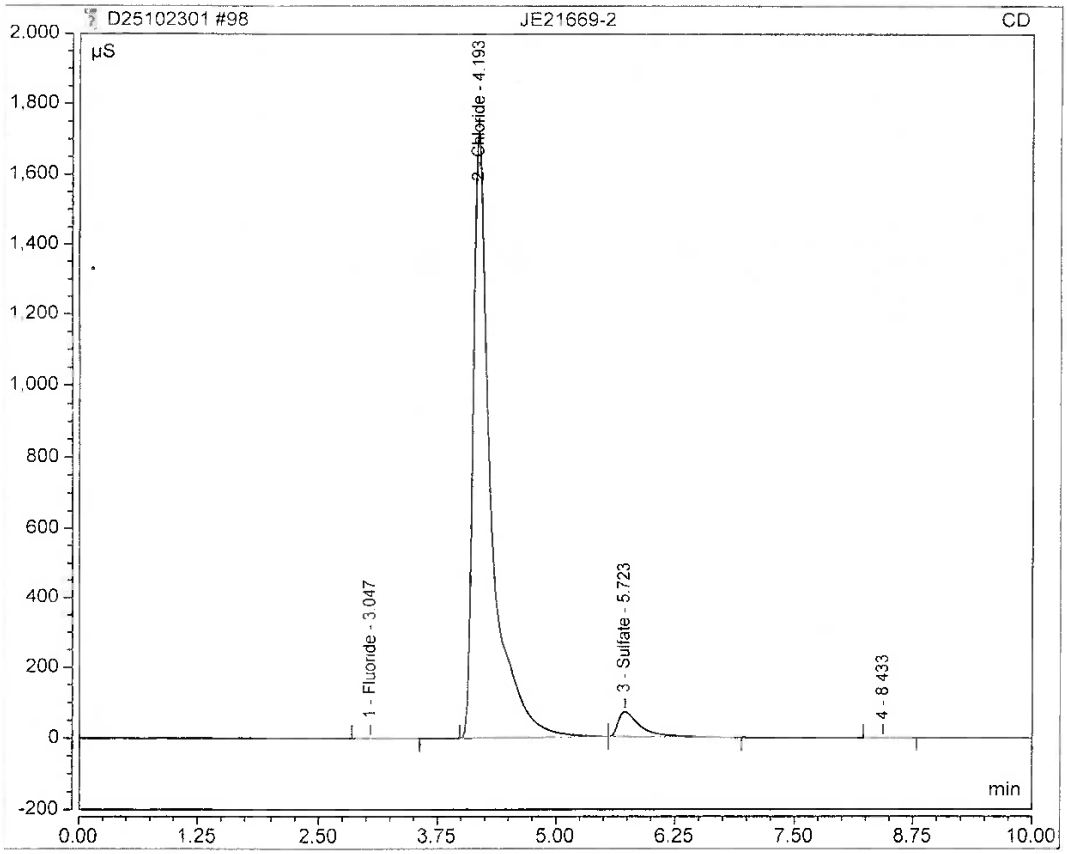
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	**JE21669-2**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_012919**	*Operator:*	**Chemistry**
Inj. Date / Time:	**24-Oct-2025 / 07:05**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	3.05	Fluoride	BMB	0.025	0.089	0.1180
2	4.19	Chloride	BMb	374.659	1722.776	1295.7971
3	5.72	Sulfate	bMB	18.856	69.889	89.1187
TOTAL:				393.54	1792.75	1385.03



Anion/Integration

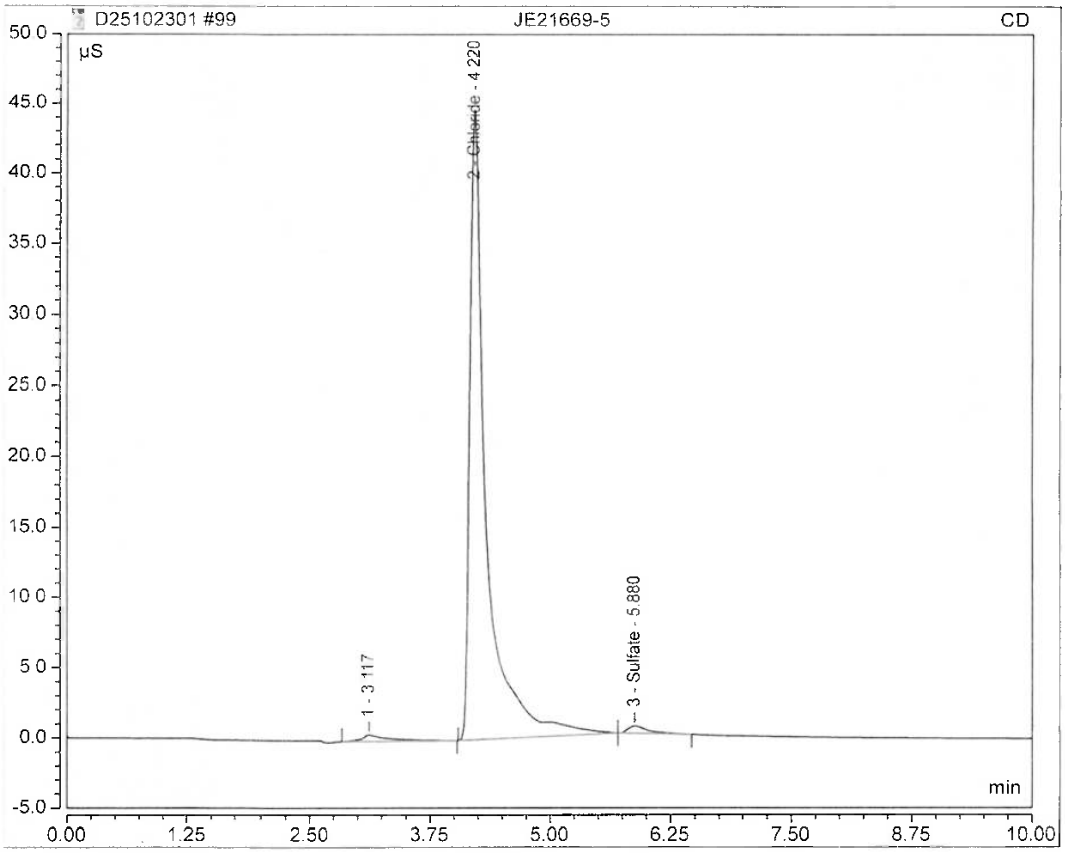
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	**JE21669-5**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_012919**	*Operator:*	**Chemistry**
Inj. Date / Time:	**24-Oct-2025 / 07:18**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	4.22	Chloride	BMb	8.872	44.644	30.9982
3	5.88	Sulfate	bMB	0.131	0.529	1.6191
TOTAL:				9.00	45.17	32.62



Anion/Integration

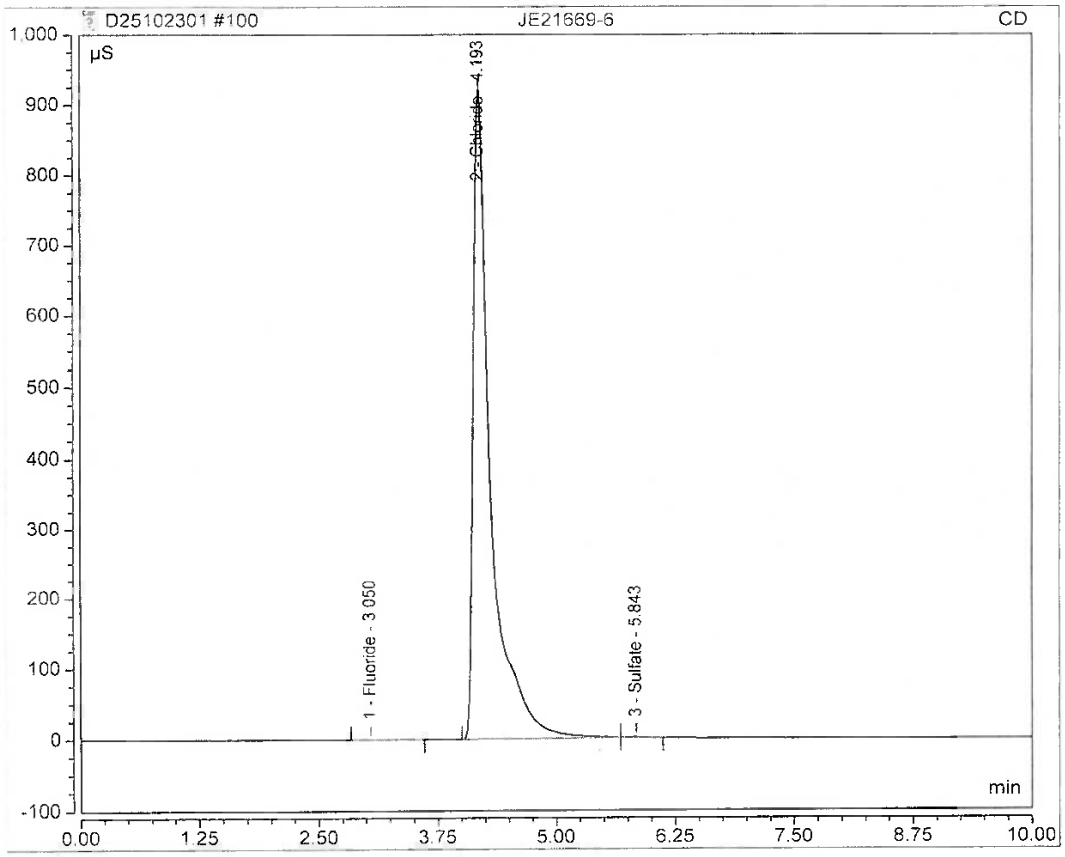
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	**JE21669-6**	*Inj. Vol.:*	**5000.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_012919**	*Operator:*	**Chemistry**
Inj. Date / Time:	**24-Oct-2025 / 07:31**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	3.05	Fluoride	BMB	0.030	0.093	0.1309
2	4.19	Chloride	BMb	193.422	921.589	669.1258
3	5.84	Sulfate	bMB	0.133	0.762	1.6260
TOTAL:				193.59	922.44	670.88



Anion/Integration

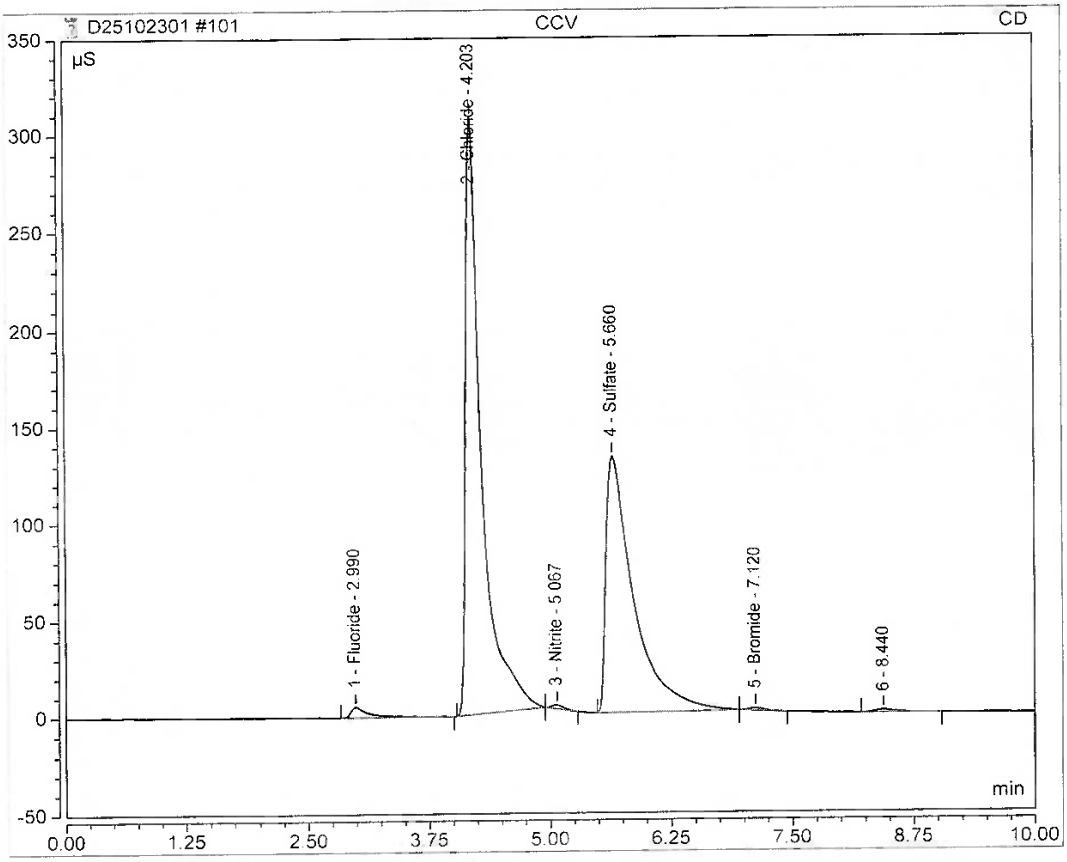
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	CCV	*Inj. Vol.:*	5000.00
Injection Type:	Unknown	*Dilution Factor:*	1.0000
Instrument Method:	Anions_012919	*Operator:*	Chemistry
Inj. Date / Time:	24-Oct-2025 / 07:44	*Run Time:*	10.00

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.99	Fluoride	BMB	1.142	5.295	3.2478
2	4.20	Chloride	BMb	58.271	307.765	201.8066
3	5.07	Nitrite	bMB	0.270	1.996	2.5139
4	5.66	Sulfate	BMb	43.492	132.737	204.2361
5	7.12	Bromide	bMB	0.238	1.297	2.9202
TOTAL:				103.41	449.09	414.72



Anion/integration

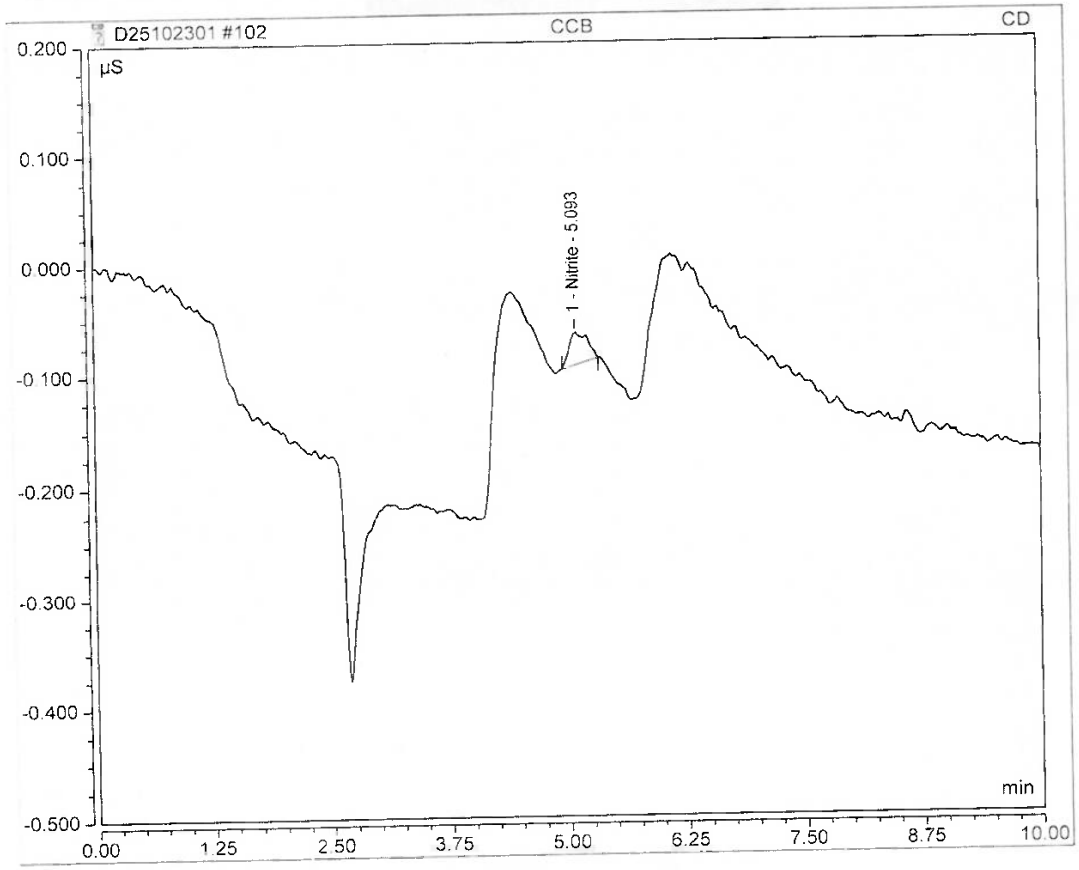
Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

Logged on User: Chemistry
Instrument: Integrion_1
Sequence: D25102301

Peak Integration Report

Sample Name:	CCB	*Inj. Vol.:*	5000.00
Injection Type:	Unknown	*Dilution Factor:*	1.0000
Instrument Method:	Anions_012919	*Operator:*	Chemistry
Inj. Date / Time:	24-Oct-2025 / 07:56	*Run Time:*	10.00

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	5.09	Nitrite	BMB	0.006	0.030	n.a.
		TOTAL:		0.01	0.03	0.00



Anion/Integration

Chromeleon (c) Dionex 1996-2009
Version 7.2.8.10783

LABORATORY REVIEW SIGNATURE FORM
(To be stored with the raw data)

File ID: D110425W1.NO32 Date Analyzed: 11/03/25 Methods: EPA 353.2 M/LACHAT, EPA 353.2/LACHAT
Analyst: JD Run ID: GN75642

The following analyst(s) have reviewd this run and attest that, to the best of their knowledge, this documentation is complete and correct:

Analyst: JD Date 11/4/25

Analyst: _____ Date _____

Analyst: _____ Date _____

Analyst: _____ Date _____

Analyst: _____ Date _____

Analyst: _____ Date _____

Analyst: _____ Date _____

The following supervisor or their designee has reviewed this run and attests that, to the best of their knowledge, this documentation is complete and correct:

Supervisor (or designee): _____ Date _____

Author: Chemistry Date : 11/4/2025

Original Run Filename: OM_11-3-2025_06-42-21PM.OMN Created: 11/3/2025 6:42:21 PM
Original Run Author's Signature: [Chemistry]
Current Run Filename: OM_11-3-2025_06-42-21PM.OMN Last Modified: 11/4/2025 6:39:59 PM
Current Run Author's Signature: [Chemistry]
Description: Default New Run

NO32
GN75642
d110425w1.no32

Sample	Rep.	Cup No.	Channel 2 NO32 (mg/L)	Detection Time	MDF	
STDA	1	S1	5.00	11/3/2025@6:43:12 PM		
STDB	1	S2	4.00	11/3/2025@6:44:19 PM		
STDC	1	S3	2.50	11/3/2025@6:45:26 PM		
STDD	1	S4	1.00	11/3/2025@6:46:34 PM		
STDE	1	S5	0.500	11/3/2025@6:47:41 PM		
STDF	1	S6	0.200	11/3/2025@6:48:48 PM		
STDG	1	S7	0.100	11/3/2025@6:49:55 PM		
STDH	1	S10	0.00	11/3/2025@6:51:03 PM		
EFFCHK	1	1	2.08	11/3/2025@6:52:11 PM		104%
	Known Conc:		2.00			
	Calibration:		Table/Fig. : 1			
ICV	1	2	2.07	11/3/2025@6:53:19 PM		103.5%
	Known Conc:		2.00			
ICB	1	3	0.0367	11/3/2025@6:54:27 PM		
	Known Conc:		0.00			
LBSPCONF	1	S7	0.115	11/3/2025@6:55:34 PM		115%
CCV	1	S9	2.49	11/3/2025@6:56:41 PM		99.6%
	Known Conc:		2.50			
CCB	1	S10	0.0363	11/3/2025@6:57:48 PM		
	Known Conc:		0.00			
GP65185-MB1	1	4	0.0362	11/3/2025@6:58:56 PM		
GP65185-B1	1	5	2.07	11/3/2025@7:00:04 PM		103.5%
GP65185-S1	1	6	2.21	11/3/2025@7:01:12 PM		
GP65185-S2	1	7	1.99	11/3/2025@7:02:19 PM		
GP65185-D1	1	8	0.0152	11/3/2025@7:03:26 PM		
DA76263-1	1	9	0.0355	11/3/2025@7:04:34 PM		
DA76263-2	1	10	0.0631	11/3/2025@7:05:41 PM		
DA76263-3	1	11	0.0810	11/3/2025@7:06:48 PM		
DA76263-4	1	12	0.0634	11/3/2025@7:07:55 PM		
DA76263-5	1	13	0.0641	11/3/2025@7:09:02 PM		
CCV	1	S9	2.49	11/3/2025@7:10:09 PM		99.6%
	Known Conc:		2.50			
CCB	1	S10	0.0350	11/3/2025@7:11:17 PM		
	Known Conc:		0.00			
DA76263-6	1	14	0.189	11/3/2025@7:12:23 PM		
DA76263-7	1	15	0.107	11/3/2025@7:13:30 PM		
DA76263-8	1	16	0.0443	11/3/2025@7:14:38 PM		
DA76263-9	1	17	0.192	11/3/2025@7:15:46 PM		
DA76263-10	1	18	0.136	11/3/2025@7:16:54 PM		
DA76263-11	1	19	0.177	11/3/2025@7:18:02 PM		
DA76263-12	1	20	0.169	11/3/2025@7:19:09 PM		
DA76263-13	1	21	0.0378	11/3/2025@7:20:17 PM		
JE21194-1	1	22	0.0981	11/3/2025@7:21:25 PM		
LB21288-1	1	23	0.0659	11/3/2025@7:22:32 PM		
CCV	1	S9	2.46	11/3/2025@7:23:39 PM		98.4%
	Known Conc:		2.50			
CCB	1	S10	0.0351	11/3/2025@7:24:47 PM		
	Known Conc:		0.00			
CONF	1	24	0.0592	11/3/2025@7:25:54 PM		
JE21711-1	1	25	0.0134	11/3/2025@7:27:01 PM		
JE21711-2	1	26	0.0478	11/3/2025@7:28:08 PM		
JE21711-3	1	27	0.0581	11/3/2025@7:29:15 PM		
JE21711-4	1	28	0.0646	11/3/2025@7:30:22 PM		
GP65186-MB1	1	29	0.0377	11/3/2025@7:31:29 PM		
GP65186-B1	1	30	2.01	11/3/2025@7:32:35 PM		100.5%
GP65186-S1	1	31	1.74	11/3/2025@7:33:43 PM		
GP65186-S2	1	32	2.26	11/3/2025@7:34:51 PM		
GP65186-D1	1	33	0.0786	11/3/2025@7:35:59 PM		
CCV	1	S9	2.03	11/3/2025@7:37:07 PM		101.5%
	Known Conc:		2.50			

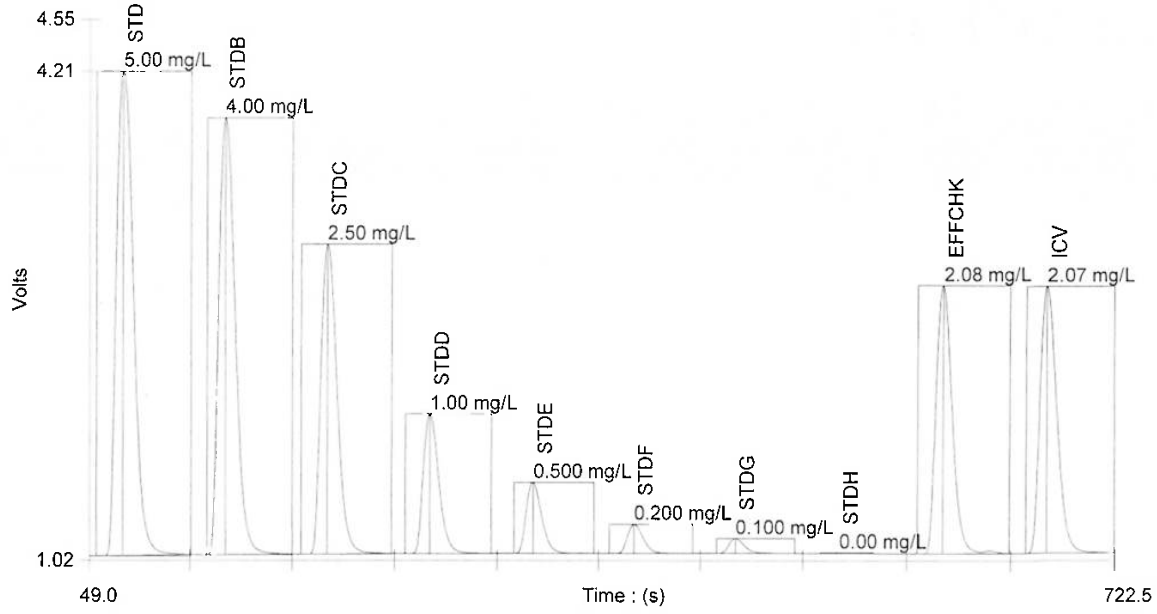
15.6
15

Author: Chemistry

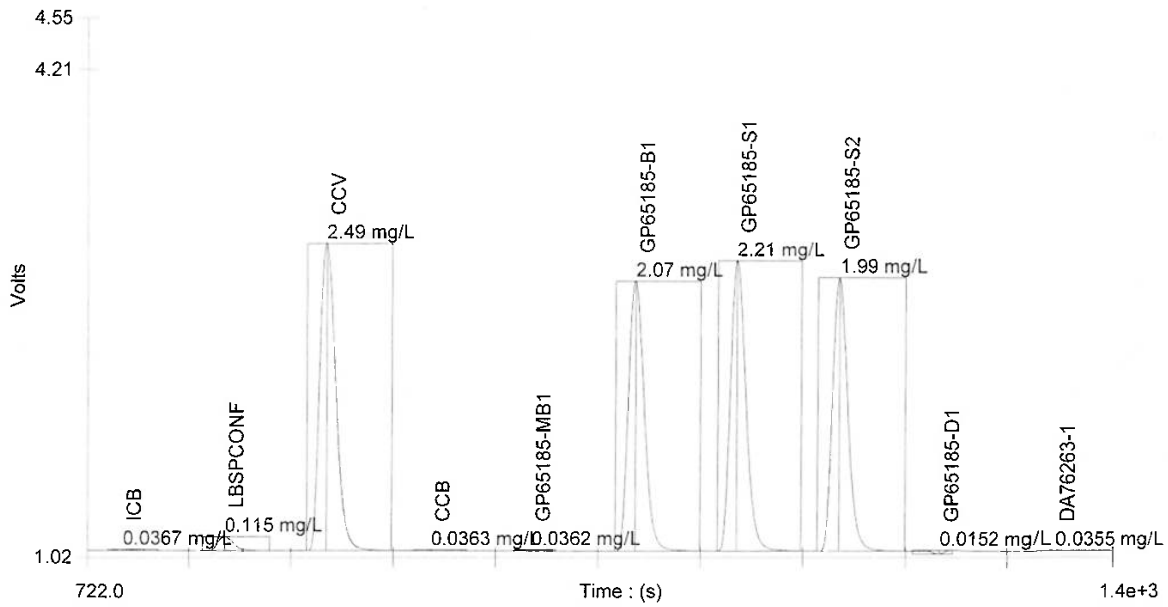
Date : 11/4/2025

CCB	1	S10	0.0362	11/3/2025@7:38:14 PM	
		Known Conc:	0.00		

Channel 2 - Set: 1 / 5

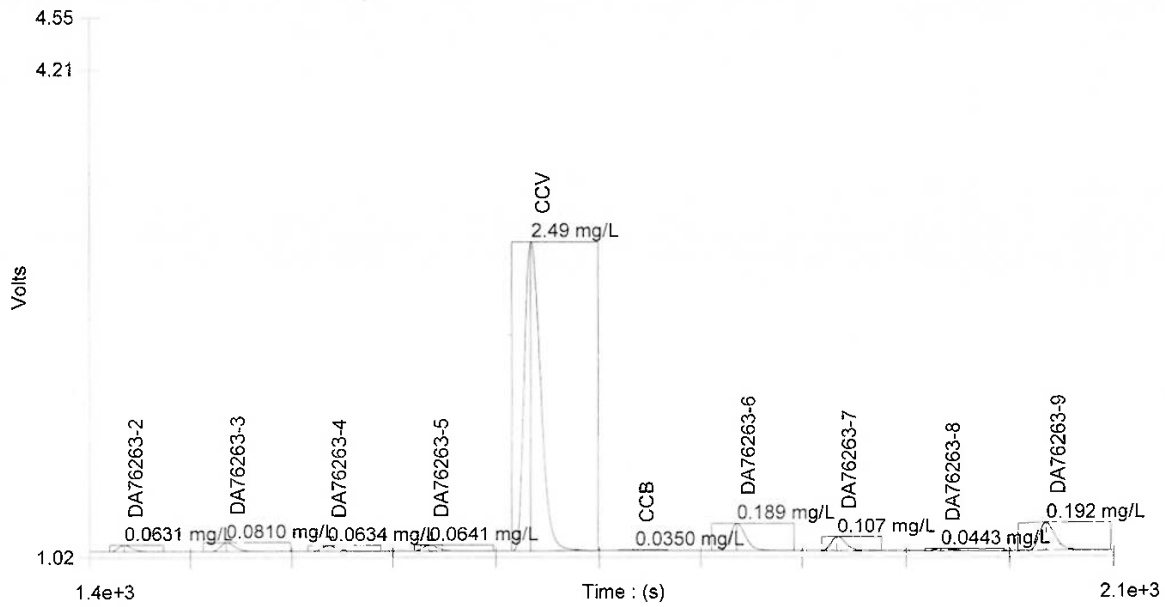


Channel 2 - Set: 2 / 5

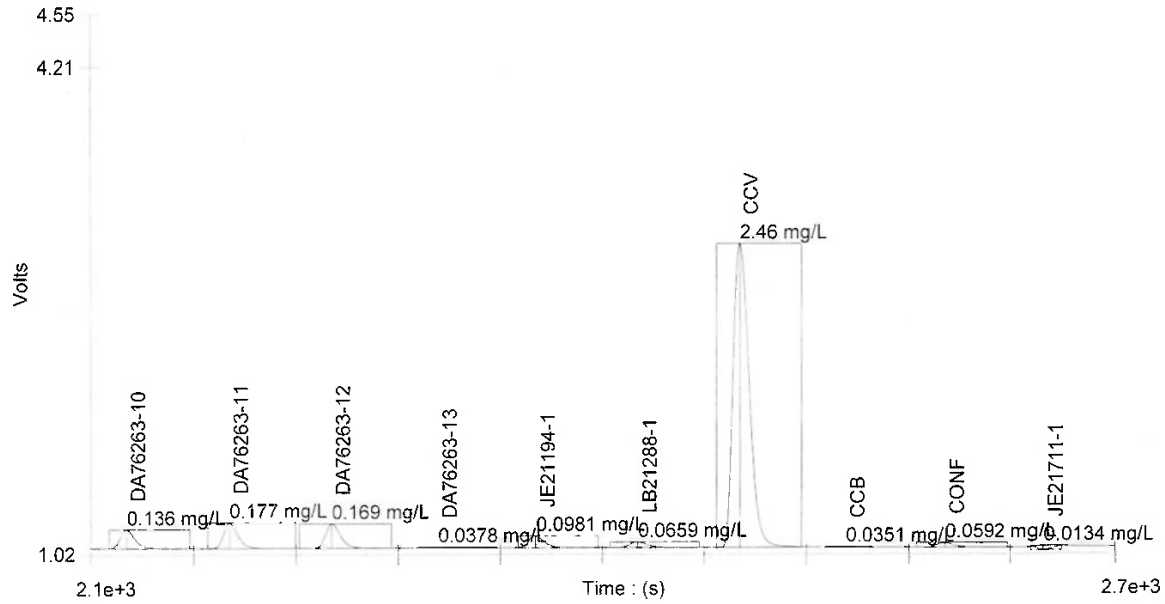


Author: Chemistry Date : 11/4/2025

Channel 2 - Set: 3 / 5



Channel 2 - Set: 4 / 5



Author: Chemistry Date : 11/4/2025

Channel 2 - Set: 5 / 5

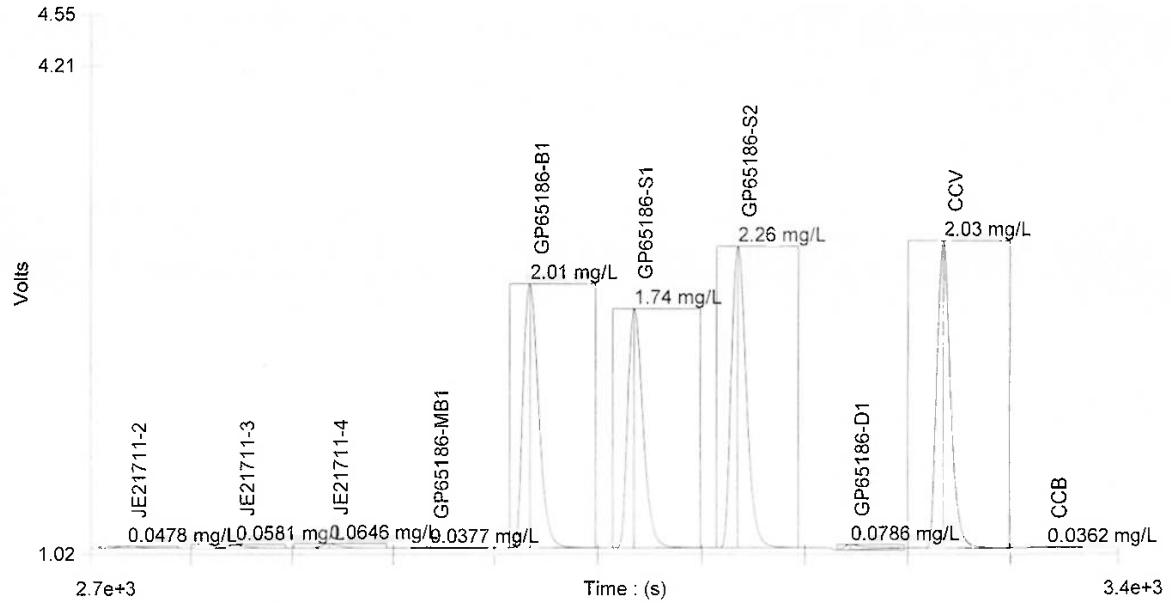
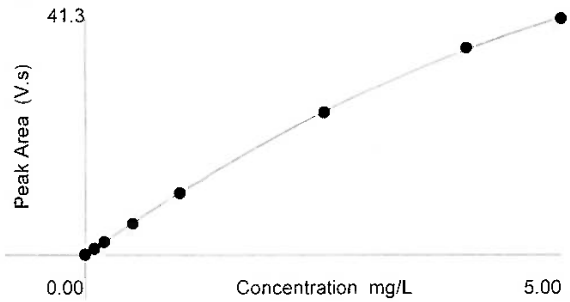


Table : 1 (NO32)

	Known Conc. (mg/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg/L)	Detection Date	Detection Time	REV.
1	5.00	1	41.3	3.16	0.0	0.5	4.92	11/3/2025	6:43:12 PM	98.4%
2	4.00	1	36.2	2.85	0.0	-1.0	4.11	11/3/2025	6:44:19 PM	102.8%
3	2.50	1	24.7	2.03	0.0	0.5	2.51	11/3/2025	6:45:26 PM	100.4%
4	1.00	1	10.8	0.916	0.0	0.8	0.951	11/3/2025	6:46:34 PM	95.1%
5	0.500	1	5.44	0.462	0.0	2.3	0.463	11/3/2025	6:47:41 PM	92.6%
6	0.200	1	2.25	0.191	0.0	-0.9	0.202	11/3/2025	6:48:48 PM	101%
7	0.100	1	1.13	0.0951	0.0	-3.6	0.116	11/3/2025	6:49:55 PM	116%
8	0.00	1	0.0634	4.64e-3			0.0354	11/3/2025	6:51:03 PM	

Figure : 1 (NO32)



Area = - 0.653 * Conc^2 + 11.6 * Conc - 0.0569
Conc = 1.08e-3 * Area^2 + 0.0736 * Area + 0.0308
Correlation Coefficient (r) = 0.99994

Weighting : None

15.6
15

Author: Chemistry

Date : 11/4/2025

Original Run Filename: OM_11-3-2025_07-48-01PM.OMN Created: 11/3/2025 7:48:01 PM
Original Run Author's Signature: [Chemistry]
Current Run Filename: OM_11-3-2025_07-48-01PM.OMN Last Modified: 11/4/2025 6:42:03 PM
Current Run Author's Signature: [Chemistry]
Description: Default New Run

Sample	Rep.	Cup No.	Channel 2 NO32 (mg/L)	Detection Time	MDF
CCV	1	S9	2.39	11/3/2025@7:48:53 PM	
	Known Conc:		2.50		
CCB	1	S10	0.0336	11/3/2025@7:50:01 PM	
	Known Conc:		0.00		
LB21290-1	1	24	0.0581	11/3/2025@7:51:09 PM	
JE21711-1	1	25	0.0216	11/3/2025@7:52:16 PM	
JE21711-2	1	26	0.0446	11/3/2025@7:53:23 PM	
JE21711-3	1	27	0.0516	11/3/2025@7:54:30 PM	
JE21711-4	1	28	0.0464	11/3/2025@7:55:36 PM	
GP65186-MB1	1	29	0.0365	11/3/2025@7:56:43 PM	
CONF	1	30	1.79	11/3/2025@7:57:50 PM	
GP65186-S1	1	31	1.63	11/3/2025@7:58:58 PM	
GP65186-S2	1	32	2.24	11/3/2025@8:00:06 PM	
GP65186-D1	1	33	0.0758	11/3/2025@8:01:14 PM	
CCV	1	S9	2.32	11/3/2025@8:02:21 PM	
	Known Conc:		2.50		
CCB	1	S10	0.0341	11/3/2025@8:03:28 PM	
	Known Conc:		0.00		
GP65186-B1	1	30	2.17	11/3/2025@8:04:35 PM	
JE21711-5	1	34	0.0680	11/3/2025@8:05:42 PM	
JE21711-6	1	35	0.107	11/3/2025@8:06:50 PM	
JE21711-7	1	36	0.0479	11/3/2025@8:07:57 PM	
JE21738-1	1	37	7.68	11/3/2025@8:09:05 PM	
JE21738-2	1	38	2.10	11/3/2025@8:10:12 PM	
JE21738-3	1	39	3.27	11/3/2025@8:11:19 PM	
JE21738-4	1	40	1.49	11/3/2025@8:12:27 PM	
JE21738-5	1	41	0.884	11/3/2025@8:13:34 PM	
JE21738-6	1	42	0.0807	11/3/2025@8:14:40 PM	
CCV	1	S9	2.38	11/3/2025@8:15:48 PM	
	Known Conc:		2.50		
CCB	1	S10	0.0338	11/3/2025@8:16:55 PM	
	Known Conc:		0.00		
JE21807-1	1	43	0.899	11/3/2025@8:18:02 PM	
JE21704-1	1	44	0.446	11/3/2025@8:19:09 PM	
JE21704-7	1	45	0.865	11/3/2025@8:20:15 PM	
JE21704-8	1	46	0.369	11/3/2025@8:21:24 PM	
JE21704-12	1	47	0.0574	11/3/2025@8:22:32 PM	
JE21712-1	1	48	4.85	11/3/2025@8:23:39 PM	
JE21712-3	1	49	0.0654	11/3/2025@8:24:47 PM	
JE21712-5	1	50	16.7	11/3/2025@8:25:55 PM	
JE21712-7	1	51	1.53	11/3/2025@8:27:03 PM	
JE21849-10	1	52	0.0564	11/3/2025@8:28:10 PM	
CCV	1	S9	2.67	11/3/2025@8:29:17 PM	
	Known Conc:		2.50		
CCB	1	S10	0.0344	11/3/2025@8:30:25 PM	
	Known Conc:		0.00		
JE21849-14	1	53	0.0437	11/3/2025@8:31:32 PM	
GP65187-MB1	1	54	0.0371	11/3/2025@8:32:40 PM	
GP65187-B1	1	55	1.83	11/3/2025@8:33:47 PM	
	Calibration:		Table/Fig. : 1		
GP65187-S1	1	56	1.73	11/3/2025@8:34:54 PM	
GP65187-S2	1	57	1.91	11/3/2025@8:36:01 PM	
GP65187-D1	1	58	0.0437	11/3/2025@8:37:08 PM	
JE21892-2	1	59	0.0473	11/3/2025@8:38:14 PM	
JE21892-4	1	60	0.0469	11/3/2025@8:39:21 PM	
JE21892-5	1	61	0.0490	11/3/2025@8:40:29 PM	
JE21892-6	1	62	0.0513	11/3/2025@8:41:37 PM	
CCV	1	S9	2.68	11/3/2025@8:42:45 PM	
	Known Conc:		2.50		
CCB	1	S10	0.0334	11/3/2025@8:43:52 PM	

95.6%.

wrong injection

92.8%.

108.5%.

95.2%.

106.8%.

91.5%.

107.2%.

15.6

15

Author: Chemistry Date : 11/4/2025

	Known Conc:		0.00	
JE21892-7	1	63	0.104	11/3/2025@8:45:00 PM
JE21892-8	1	64	0.0521	11/3/2025@8:46:08 PM
JE21892-10	1	65	0.0467	11/3/2025@8:47:16 PM
JE21892-11	1	66	0.0539	11/3/2025@8:48:24 PM
JE21892-12	1	67	0.0430	11/3/2025@8:49:31 PM
LB21625-2	1	68	10.4	11/3/2025@8:50:38 PM
LB21625-3	1	69	11.3	11/3/2025@8:51:45 PM
LB21625-9	1	70	0.0420	11/3/2025@8:52:52 PM
LB21625-10	1	71	0.0470	11/3/2025@8:54:00 PM
LB21625-11	1	72	0.0381	11/3/2025@8:55:06 PM
CCV	1	S9	2.62	11/3/2025@8:56:14 PM
	Known Conc:		2.50	
CCB	1	S10	0.0360	11/3/2025@8:57:21 PM
	Known Conc:		0.00	
CONF	1	73	0.0539	11/3/2025@8:58:27 PM
GP65234-MB1	1	74	0.0775	11/3/2025@8:59:34 PM
GP65234-B1	1	75	0.0310	11/3/2025@9:00:41 PM
GP65234-S1	1	76	1.88	11/3/2025@9:01:49 PM
GP65234-S2	1	77	1.74	11/3/2025@9:02:57 PM
GP65234-D1	1	78	1.45	11/3/2025@9:04:05 PM
JE21809-2	1	79	0.0297	11/3/2025@9:05:13 PM
JE21809-3	1	80	0.0266	11/3/2025@9:06:21 PM
JE21809-1	1	81	0.0387	11/3/2025@9:07:29 PM
JE21809-4	1	82	0.0404	11/3/2025@9:08:36 PM
CCV	1	S9	1.14	11/3/2025@9:09:43 PM
	Known Conc:		2.50	
CCB	1	S10	0.0322	11/3/2025@9:10:51 PM
	Known Conc:		0.00	
JE21809-5	1	83	0.0336	11/3/2025@9:11:58 PM
JE21809-6	1	84	0.0311	11/3/2025@9:13:05 PM
JE21809-7	1	85	0.0349	11/3/2025@9:14:12 PM
JE21809-8	1	86	0.0331	11/3/2025@9:15:20 PM
JE21809-9	1	87	-8.88e-3	11/3/2025@9:16:26 PM
JE21816-1	1	88	0.0127	11/3/2025@9:17:34 PM
JE21816-2	1	89	0.0362	11/3/2025@9:18:40 PM
JE21816-3	1	90	1.11	11/3/2025@9:19:47 PM
JE21816-4	1	91	0.513	11/3/2025@9:20:56 PM
JE21816-5	1	92	2.59	11/3/2025@9:22:04 PM
CCV	1	S9	0.919	11/3/2025@9:23:11 PM
	Known Conc:		2.50	
CCB	1	S10	0.0322	11/3/2025@9:24:19 PM
	Known Conc:		0.00	
LB21676-1	1	93	0.836	11/3/2025@9:25:26 PM
LB21676-2	1	94	0.242	11/3/2025@9:26:34 PM
LB21676-3	1	95	2.24	11/3/2025@9:27:42 PM
LB21676-4	1	96	1.86	11/3/2025@9:28:50 PM
GP65235-MB1	1	97	1.85	11/3/2025@9:29:57 PM
GP65235-B1	1	98	0.0293	11/3/2025@9:31:05 PM
GP65235-S1	1	99	0.529	11/3/2025@9:32:12 PM
GP65235-S2	1	100	0.327	11/3/2025@9:33:19 PM
GP65235-D1	1	101	0.350	11/3/2025@9:34:26 PM
JE21850-1	1	102	2.09e-3	11/3/2025@9:35:33 PM
CCV	1	S9	0.439	11/3/2025@9:36:41 PM
	Known Conc:		2.50	
CCB	1	S10	0.0322	11/3/2025@9:37:48 PM
	Known Conc:		0.00	
JE21850-2	1	103	5.32e-3	11/3/2025@9:38:56 PM
LB21712-1	1	104	0.0109	11/3/2025@9:40:03 PM
JE21850-3	1	105	0.286	11/3/2025@9:41:10 PM
JE21850-4	1	106	0.0384	11/3/2025@9:42:19 PM
JE21850-5	1	107	0.0439	11/3/2025@9:43:27 PM
JE21850-6	1	108	0.0197	11/3/2025@9:44:35 PM
JE21850-7	1	109	0.0321	11/3/2025@9:45:43 PM
JE21850-8	1	110	0.0265	11/3/2025@9:46:51 PM
JE21850-9	1	111	0.0367	11/3/2025@9:47:59 PM
JE21942-1	1	112	0.0387	11/3/2025@9:49:06 PM
CCV	1	S9	0.350	11/3/2025@9:50:13 PM

— 104.8%.

Rerun

15.6

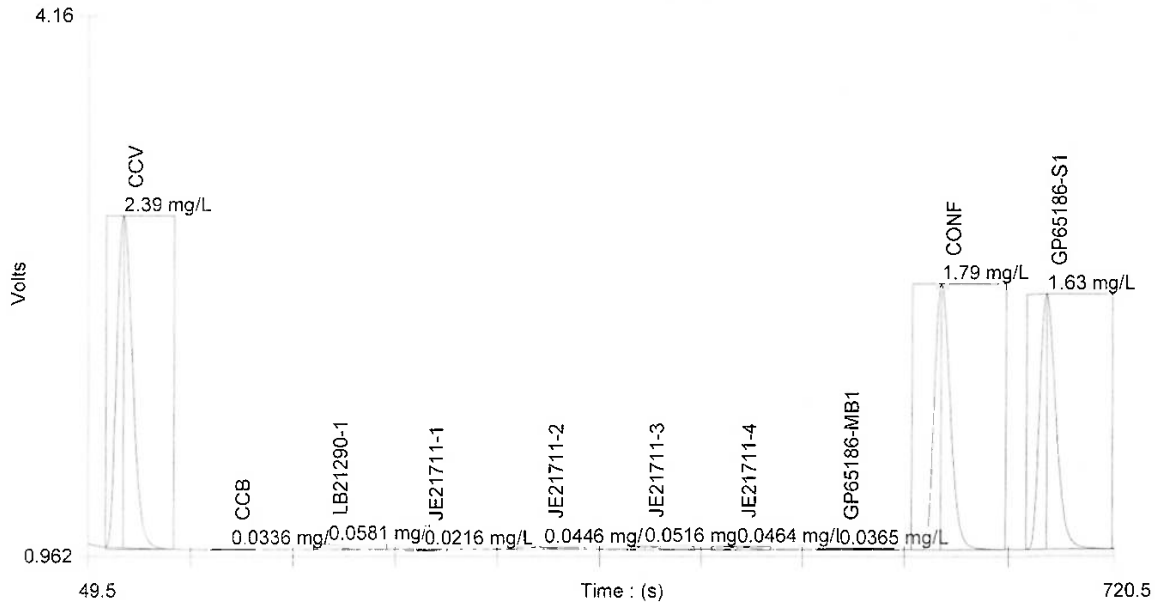
15

Author: Chemistry

Date : 11/4/2025

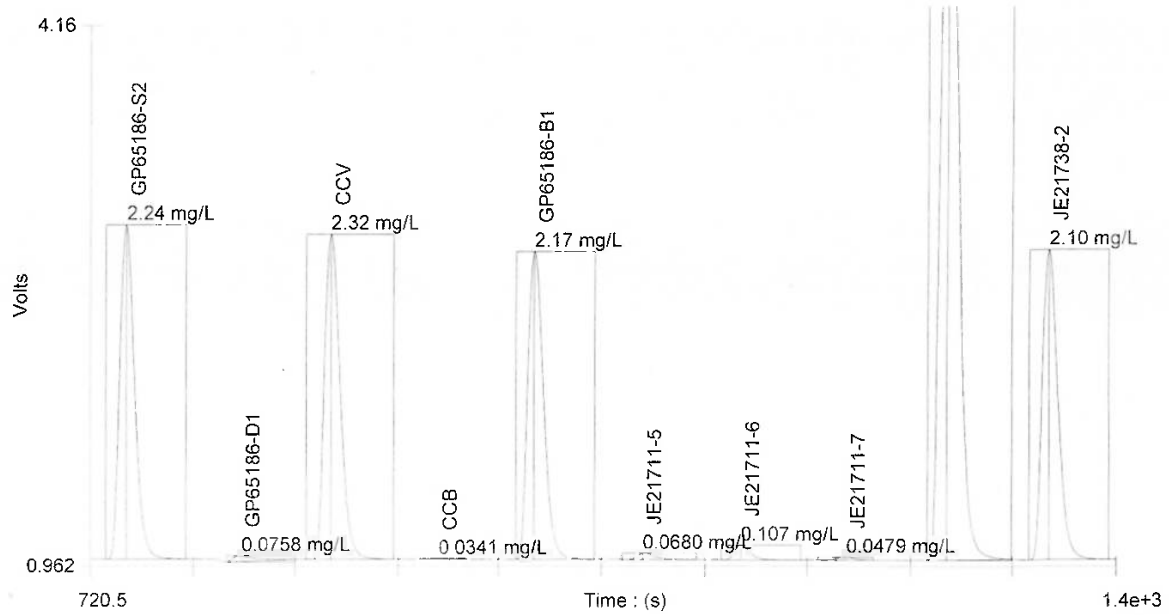
	Known Conc:		2.50	
CCB	1	S10	0.0323	11/3/2025@9:51:21 PM
	Known Conc:		0.00	
JE21848-1	1	113	0.273	11/3/2025@9:52:29 PM
JE21848-3	1	114	1.51	11/3/2025@9:53:36 PM
JE21848-5	1	115	0.0417	11/3/2025@9:54:43 PM
JE21848-7	1	116	14.2	11/3/2025@9:55:51 PM
JE22082-1	1	117	0.269	11/3/2025@9:56:58 PM
GP65236-MB1	1	118	0.323	11/3/2025@9:58:05 PM
GP65236-B1	1	119	0.0329	11/3/2025@9:59:12 PM

Channel 2 - Set: 1 / 12

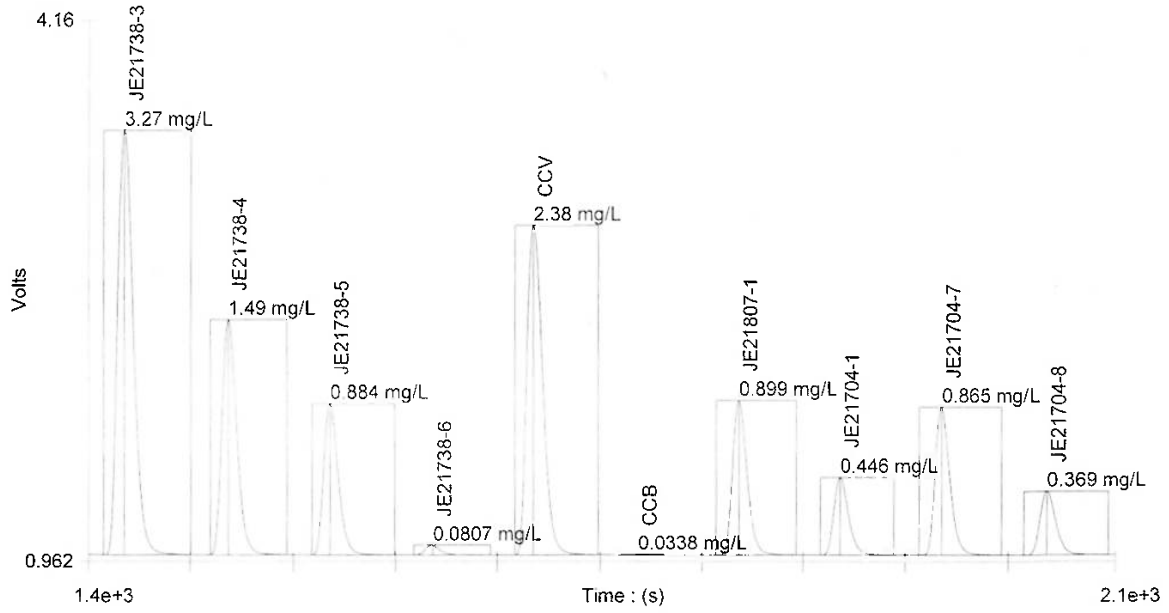


Author: Chemistry Date : 11/4/2025

Channel 2 - Set: 2 / 12

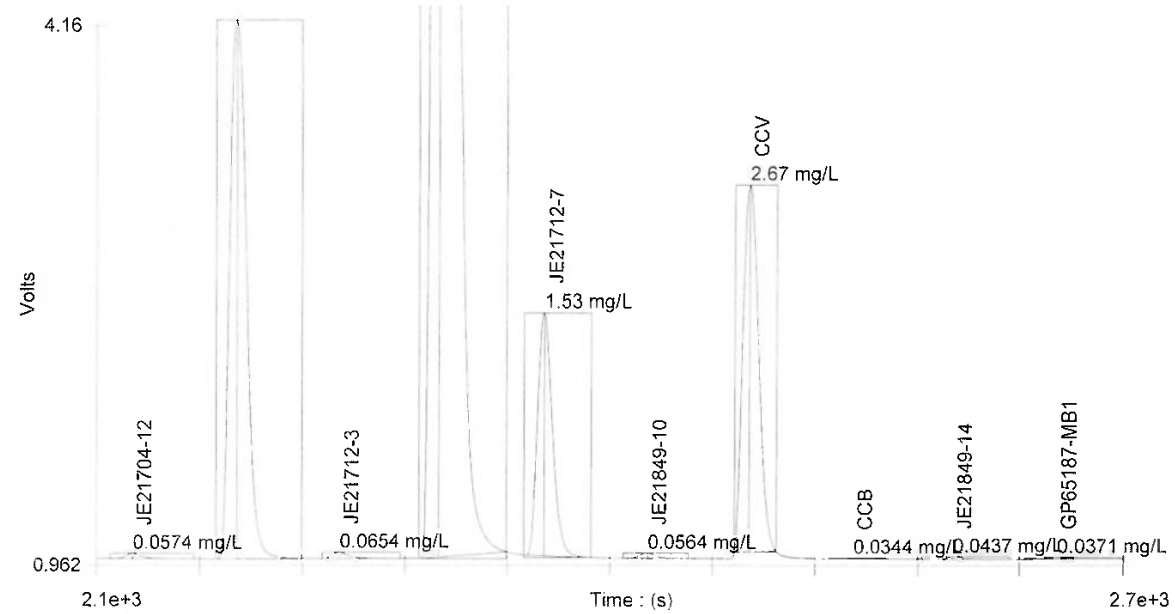


Channel 2 - Set: 3 / 12

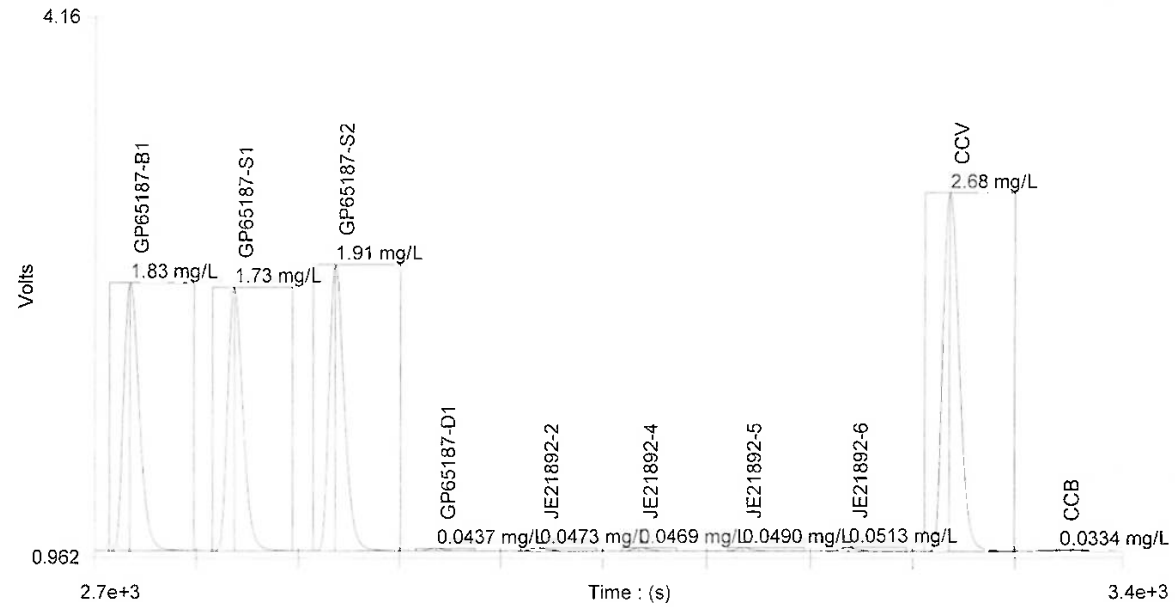


Author: Chemistry Date : 11/4/2025

Channel 2 - Set: 4 / 12



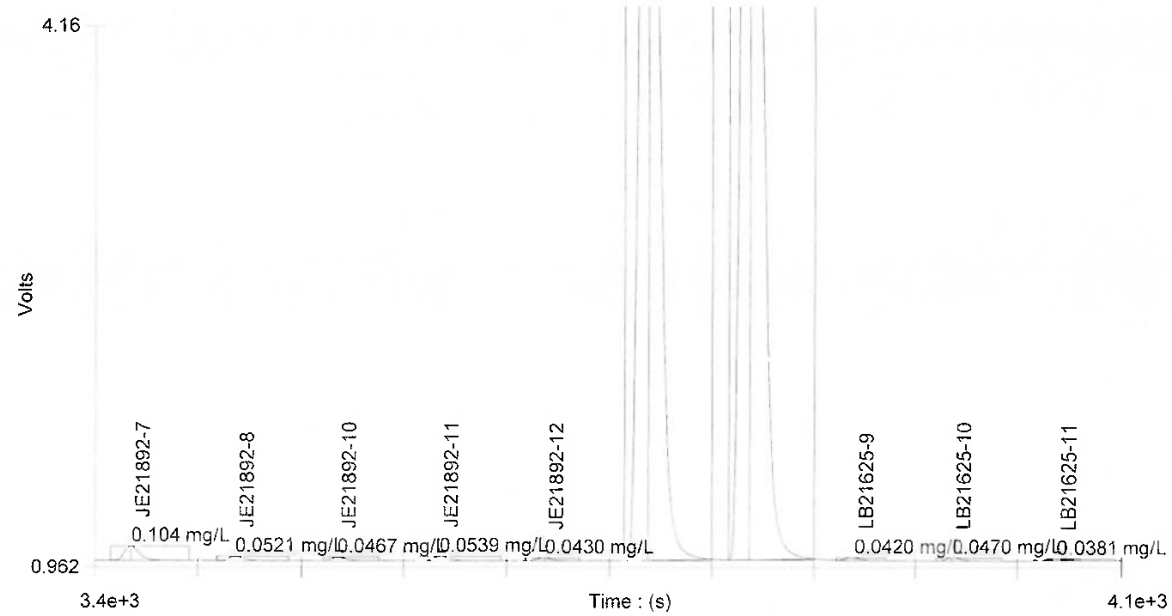
Channel 2 - Set: 5 / 12



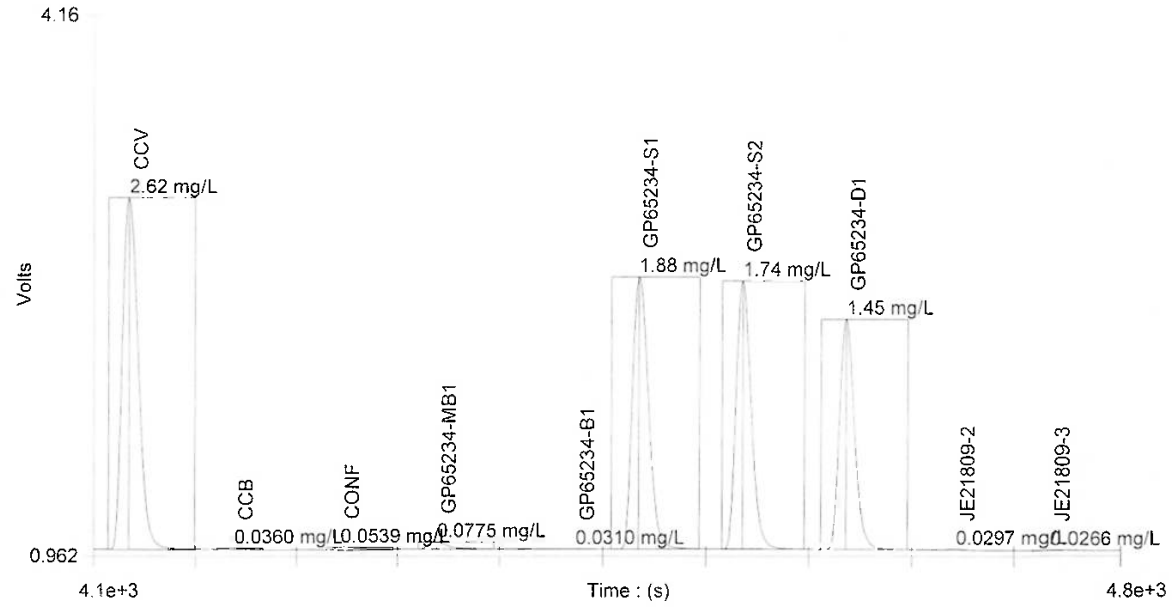
Author: Chemistry

Date : 11/4/2025

Channel 2 - Set: 6 / 12

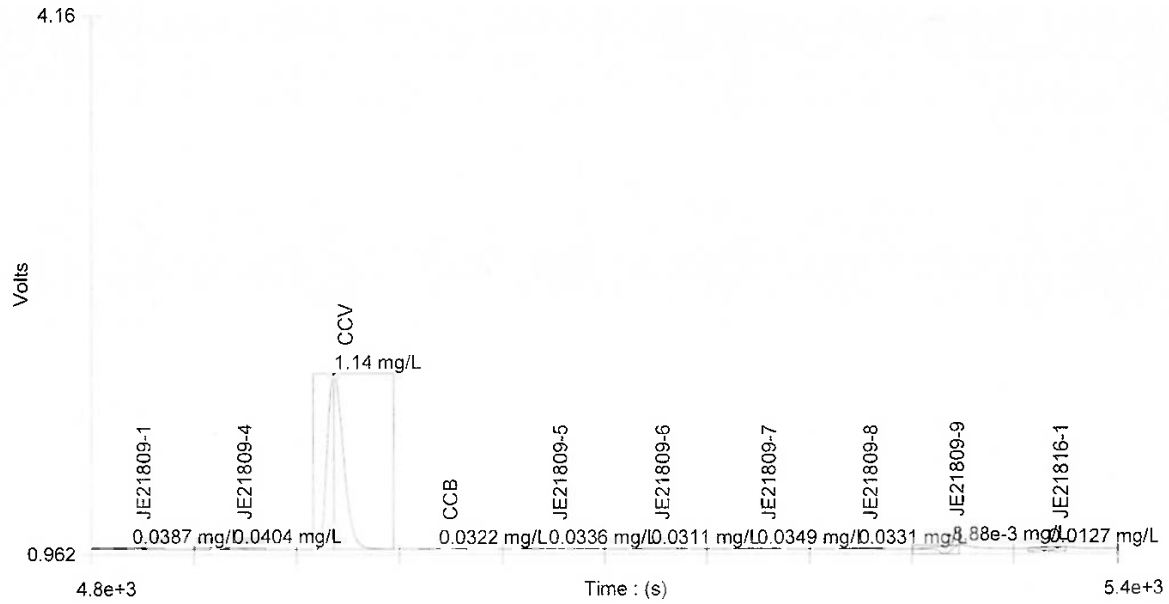


Channel 2 - Set: 7 / 12

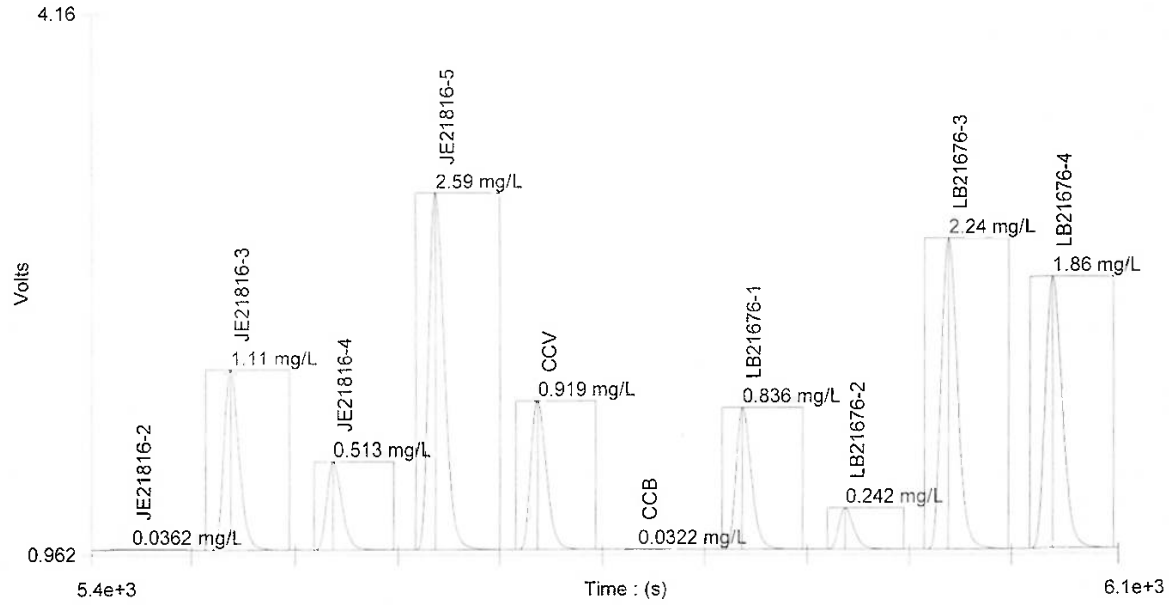


Author: Chemistry Date : 11/4/2025

Channel 2 - Set: 8 / 12

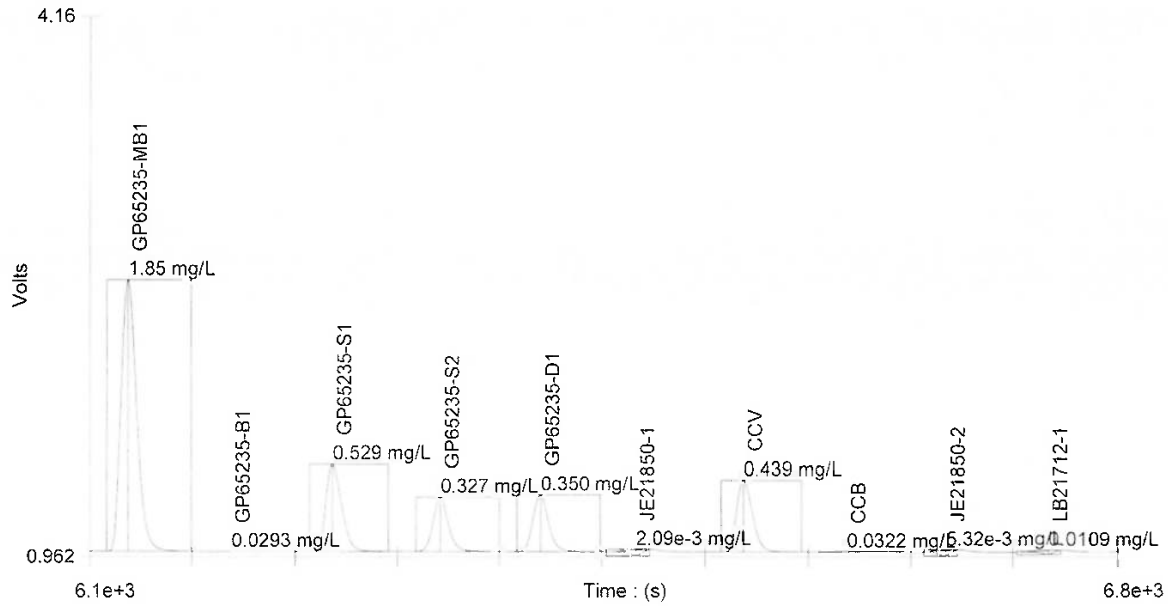


Channel 2 - Set: 9 / 12

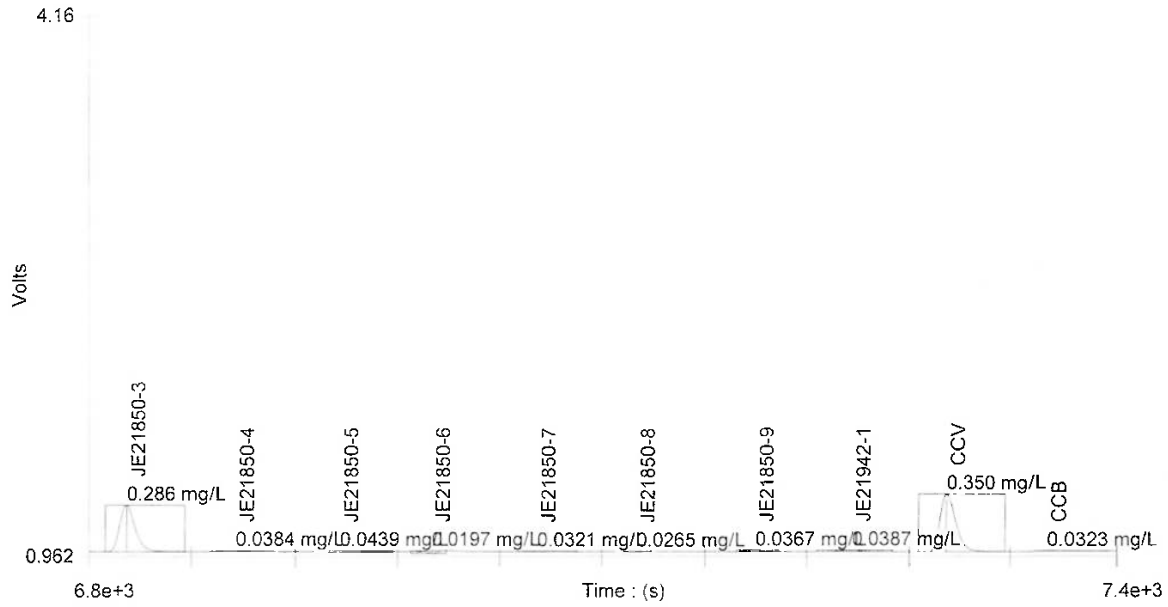


Author: Chemistry Date : 11/4/2025

Channel 2 - Set: 10 / 12



Channel 2 - Set: 11 / 12



Author: Chemistry

Date : 11/4/2025

Channel 2 - Set: 12 / 12

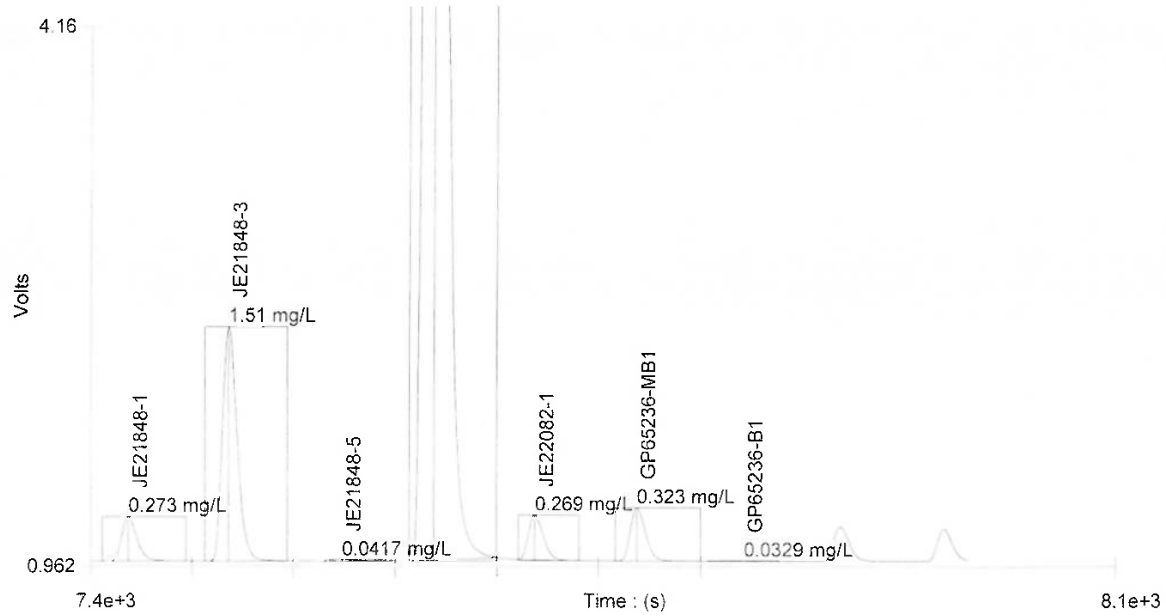
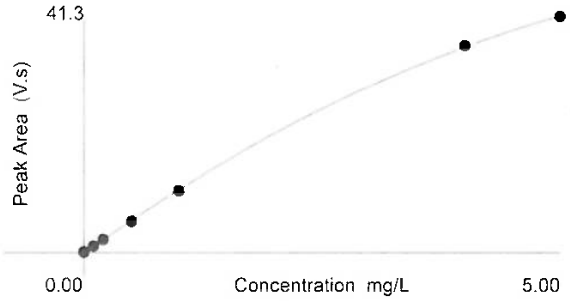


Table : 1 (NO32)

	Known Conc. (mg/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg/L)	Detection Date	Detection Time
1	5.00	1	41.3	3.16	0.0	0.4	4.92	11/3/2025	6:43:12 PM
2	4.00	1	36.2	2.85	0.0	-0.7	4.11	11/3/2025	6:44:19 PM
3	(2.50)	(1)	(24.7)	(2.03)					
4	1.00	1	10.8	0.916	0.0	1.6	0.955	11/3/2025	6:46:34 PM
5	0.500	1	5.44	0.462	0.0	3.0	0.465	11/3/2025	6:47:41 PM
6	0.200	1	2.25	0.191	0.0	-1.1	0.202	11/3/2025	6:48:48 PM
7	0.100	1	1.13	0.0951	0.0	-5.6	0.115	11/3/2025	6:49:55 PM
8	0.00	1	0.0634	4.64e-3			0.0336	11/3/2025	6:51:03 PM

Figure : 1 (NO32)



Area = - 0.686 * Conc^2 + 11.7 * Conc - 0.0938
Conc = 1.06e-3 * Area^2 + 0.0744 * Area + 0.0288
Correlation Coefficient (r) = 0.99995

Weighting : None

15.6

15

Author: Chemistry

Date : 11/4/2025

Original Run Filename: OM_11-4-2025_04-45-51PM.OMN Created: 11/4/2025 4:45:51 PM
Original Run Author's Signature: [Chemistry]
Current Run Filename: OM_11-4-2025_04-45-51PM.OMN Last Modified: 11/4/2025 6:54:56 PM
Current Run Author's Signature: [Chemistry]
Description: Default New Run

Sample	Rep	Cup No	Channel 2 NO32 (mg/L)	Detection Time	MDF	
STDA	1	S1	5.00	11/4/2025@4:46:43 PM		
STDB	1	S2	4.00	11/4/2025@4:47:50 PM		
STDC	1	S3	2.50	11/4/2025@4:48:57 PM		
STDD	1	S4	1.00	11/4/2025@4:50:04 PM		
STDE	1	S5	0.500	11/4/2025@4:51:12 PM		
STDF	1	S6	0.200	11/4/2025@4:52:19 PM		
STDG	1	S7	0.100	11/4/2025@4:53:26 PM		
STDH	1	S10	0.00	11/4/2025@4:54:33 PM		
EFFCHK	1	1	2.04	11/4/2025@4:55:41 PM		102 %
	Known Conc:		2.00			
ICV	1	2	2.02	11/4/2025@4:56:50 PM		101 %
	Known Conc:		2.00			
ICB	1	3	0.0411	11/4/2025@4:57:57 PM		
	Known Conc:		0.00			
LBSPCONF	1	S7	0.116	11/4/2025@4:59:04 PM		116 %
CCV	1	S9	2.75	11/4/2025@5:00:12 PM		110 %
	Known Conc:		2.50			
CCB	1	S10	0.0315	11/4/2025@5:01:19 PM		
	Known Conc:		0.00			
LB21488-2	1	74	0.0742	11/4/2025@5:02:26 PM		
GP65234-MB1	1	75	0.0316	11/4/2025@5:03:33 PM		
GP65234-B1	1	76	1.92	11/4/2025@5:04:41 PM		96 %
JE21816-1	1	89	0.0490	11/4/2025@5:05:48 PM		
JE21816-2	1	90	4.20	11/4/2025@5:06:55 PM		
JE21816-3	1	91	1.85	11/4/2025@5:08:03 PM		
JE21816-4	1	92	6.10	11/4/2025@5:09:11 PM		
JE21816-5	1	93	3.15	11/4/2025@5:10:19 PM		
LB21676-1	1	94	0.783	11/4/2025@5:11:27 PM		
LB21676-2	1	95	7.24	11/4/2025@5:12:34 PM		
CCV	1	S9	2.72	11/4/2025@5:13:42 PM		108.8 %
	Known Conc:		2.50			
CCB	1	S10	0.0341	11/4/2025@5:14:49 PM		
	Known Conc:		0.00			
LB21676-3	1	96	6.46	11/4/2025@5:15:57 PM		
LB21676-4	1	97	6.42	11/4/2025@5:17:04 PM		
GP65235-MB1	1	98	0.0275	11/4/2025@5:18:12 PM		
GP65235-B1	1	99	1.93	11/4/2025@5:19:19 PM		96.5 %
LB21712-1	1	105	2.38	11/4/2025@5:20:26 PM		
JE21942-1	1	113	2.50	11/4/2025@5:21:34 PM		
JE21848-1	1	114	4.05	11/4/2025@5:22:41 PM		
JE21848-3	1	115	0.0442	11/4/2025@5:23:48 PM		
JE21848-5	1	116	15.7	11/4/2025@5:24:55 PM		
JE21848-7	1	117	1.69	11/4/2025@5:26:03 PM		
CCV	1	S9	2.75	11/4/2025@5:27:10 PM		110 %
	Known Conc:		2.50			
CCB	1	S10	0.0236	11/4/2025@5:28:18 PM		
	Known Conc:		0.00			
JE22082-1	1	118	2.28	11/4/2025@5:29:25 PM		
GP65236-MB1	1	119	0.0326	11/4/2025@5:30:32 PM		
CONF	1	120	1.49	11/4/2025@5:31:40 PM		Jwrong injection
CONF	1	121	1.36	11/4/2025@5:32:48 PM		
GP65236-D1	1	122	0.0495	11/4/2025@5:33:56 PM		
JE21898-1	1	123	0.0517	11/4/2025@5:35:04 PM		
JE21898-2	1	124	0.0505	11/4/2025@5:36:11 PM		
JE21898-3	1	125	0.0795	11/4/2025@5:37:19 PM		
GP65236-B1	1	120	1.92	11/4/2025@5:38:27 PM		96 %
JE21898-4	1	126	0.0761	11/4/2025@5:39:34 PM		
CCV	1	S9	2.75	11/4/2025@5:40:41 PM		110 %
	Known Conc:		2.50			
CCB	1	S10	0.0356	11/4/2025@5:41:49 PM		

15.6 15

Author: Chemistry Date : 11/4/2025

	Known Conc:		0.00		
JE21898-5	1	127	0.151	11/4/2025@5:42:56 PM	
JE21898-6	1	128	0.171	11/4/2025@5:44:04 PM	
JE21898-7	1	129	0.0463	11/4/2025@5:45:11 PM	
JE21898-8	1	130	0.0395	11/4/2025@5:46:18 PM	
LB21521-1	1	131	0.0547	11/4/2025@5:47:26 PM	
LB21521-2	1	132	0.0511	11/4/2025@5:48:33 PM	
LB21521-3	1	133	0.0535	11/4/2025@5:49:40 PM	
GP65236-S1	1	121	1.93	11/4/2025@5:50:49 PM	
JE21809-1	1	134	0.0577	11/4/2025@5:51:56 PM	20.00
JE21809-2	1	135	0.0595	11/4/2025@5:53:03 PM	20.00
CCV	1	S9	2.73	11/4/2025@5:54:10 PM	
	Known Conc:		2.50		
CCB	1	S10	0.0341	11/4/2025@5:55:17 PM	
	Known Conc:		0.00		
	Calibration:		Table/Fig. : 1		
JE21809-3	1	136	0.0415	11/4/2025@5:56:26 PM	20.00
JE21809-4	1	137	0.0433	11/4/2025@5:57:34 PM	20.00
JE21809-5	1	138	0.0390	11/4/2025@5:58:41 PM	20.00
JE21809-6	1	139	0.0462	11/4/2025@5:59:49 PM	20.00
JE21809-7	1	140	0.0427	11/4/2025@6:00:57 PM	20.00
JE21809-8	1	141	0.0401	11/4/2025@6:02:04 PM	20.00
JE21809-9	1	142	0.0415	11/4/2025@6:03:12 PM	20.00
JE21850-1	1	143	0.0357	11/4/2025@6:04:19 PM	20.00
JE21850-2	1	144	0.0381	11/4/2025@6:05:27 PM	20.00
JE21850-3	1	145	0.0367	11/4/2025@6:06:34 PM	20.00
CCV	1	S9	2.75	11/4/2025@6:07:42 PM	
	Known Conc:		2.50		
CCB	1	S10	0.0374	11/4/2025@6:08:49 PM	
	Known Conc:		0.00		
JE21850-4	1	146	0.0443	11/4/2025@6:09:57 PM	20.00
JE21850-5	1	147	0.0396	11/4/2025@6:11:04 PM	20.00
JE21850-6	1	148	0.0392	11/4/2025@6:12:12 PM	20.00
JE21850-7	1	149	0.0382	11/4/2025@6:13:19 PM	20.00
JE21850-8	1	150	0.0342	11/4/2025@6:14:27 PM	20.00
JE21850-9	1	151	0.0360	11/4/2025@6:15:35 PM	20.00
GP65234-S1	1	152	1.85	11/4/2025@6:16:43 PM	
GP65234-S2	1	153	3.86	11/4/2025@6:17:51 PM	
GP65234-D1	1	154	0.0464	11/4/2025@6:18:59 PM	
GP65235-S1	1	155	4.26	11/4/2025@6:20:06 PM	
CCV	1	S9	2.74	11/4/2025@6:21:14 PM	
	Known Conc:		2.50		
CCB	1	S10	0.0332	11/4/2025@6:22:21 PM	
	Known Conc:		0.00		
GP65235-S2	1	156	4.41	11/4/2025@6:23:29 PM	
GP65235-D1	1	157	2.32	11/4/2025@6:24:37 PM	
LB21488-1	1	73	0.0526	11/4/2025@6:25:43 PM	
JE21738-1	1	158	4.00	11/4/2025@6:26:51 PM	3.00
JE21712-5	1	159	2.52	11/4/2025@6:27:59 PM	30.00
LB21625-2	1	160	3.45	11/4/2025@6:29:06 PM	6.00
LB21625-3	1	161	4.36	11/4/2025@6:30:14 PM	6.00
JE21816-4	1	162	2.06	11/4/2025@6:31:22 PM	3.00
LB21676-2	1	163	3.00	11/4/2025@6:32:29 PM	3.00
LB21676-3	1	164	2.57	11/4/2025@6:33:37 PM	3.00
CCV	1	S9	2.75	11/4/2025@6:34:44 PM	
	Known Conc:		2.50		
CCB	1	S10	0.0359	11/4/2025@6:35:52 PM	
	Known Conc:		0.00		
LB21676-4	1	165	2.50	11/4/2025@6:36:59 PM	3.00
JE21848-5	1	166	3.19	11/4/2025@6:38:07 PM	20.00
CCV	1	S9	2.73	11/4/2025@6:40:50 PM	
	Known Conc:		2.50		
CCB	1	S10	0.0333	11/4/2025@6:42:03 PM	
	Known Conc:		0.00		

1mL sample, 19mL DIH2O

109.2%

1mL sample, 19mL DIH2O

110%

1mL sample, 19mL DIH2O

109.6%.

5mL sample, 10mL DIH2O

1mL sample, 29mL DIH2O

5mL sample, 25mL DIH2O

5mL sample, 10mL DIH2O

110%

5mL sample, 10mL DIH2O

1mL sample, 19mL DIH2O

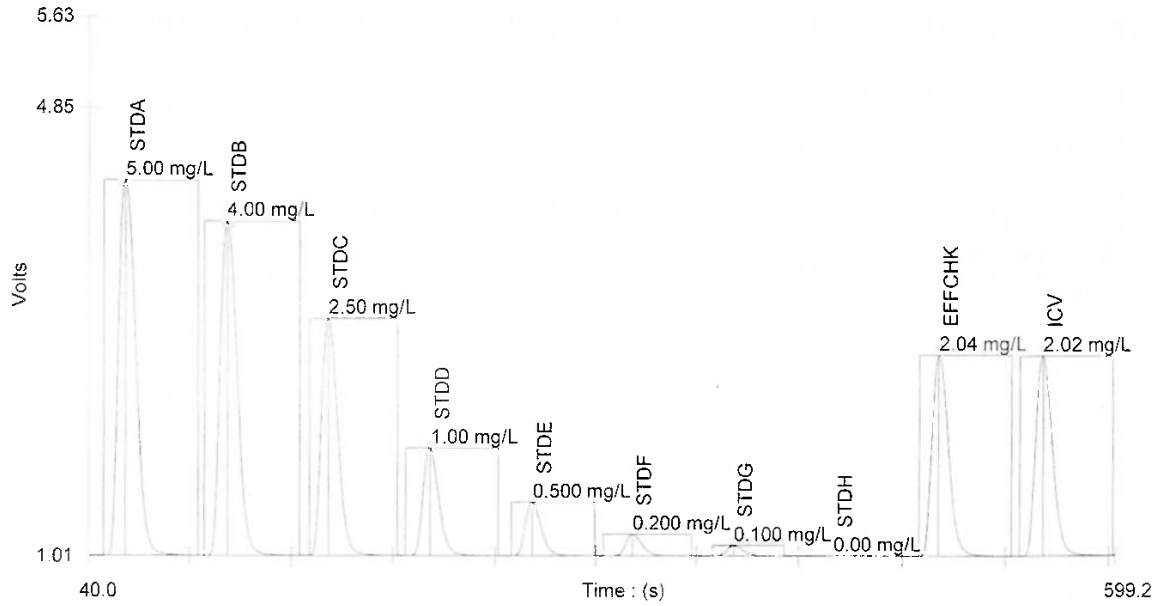
109.2%.

15.6

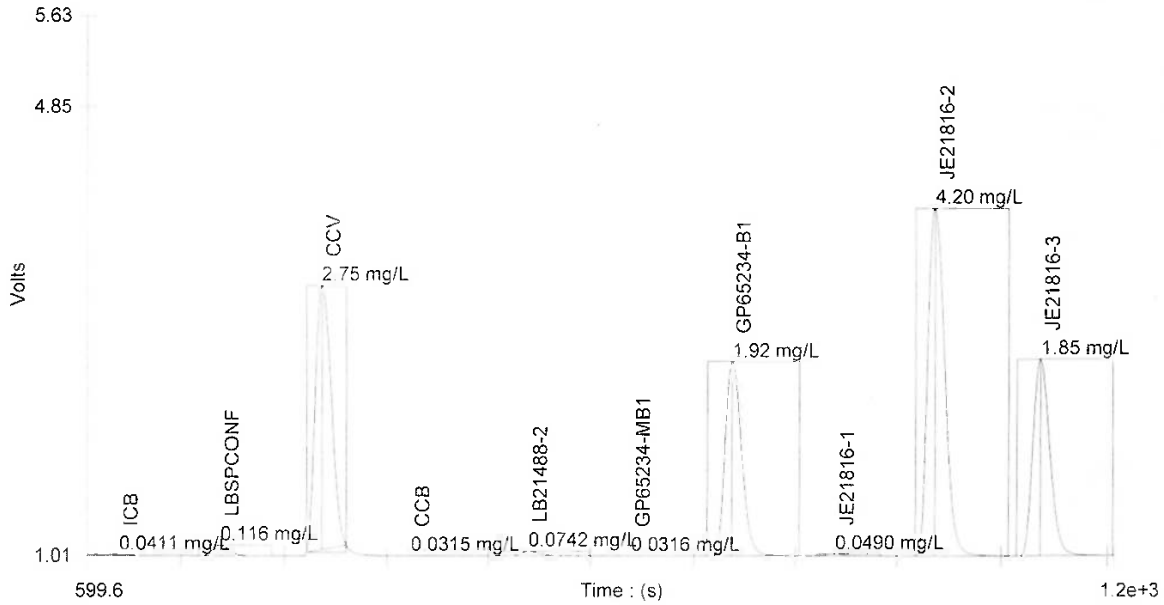
15

Author: Chemistry Date : 11/4/2025

Channel 2 - Set: 1 / 11



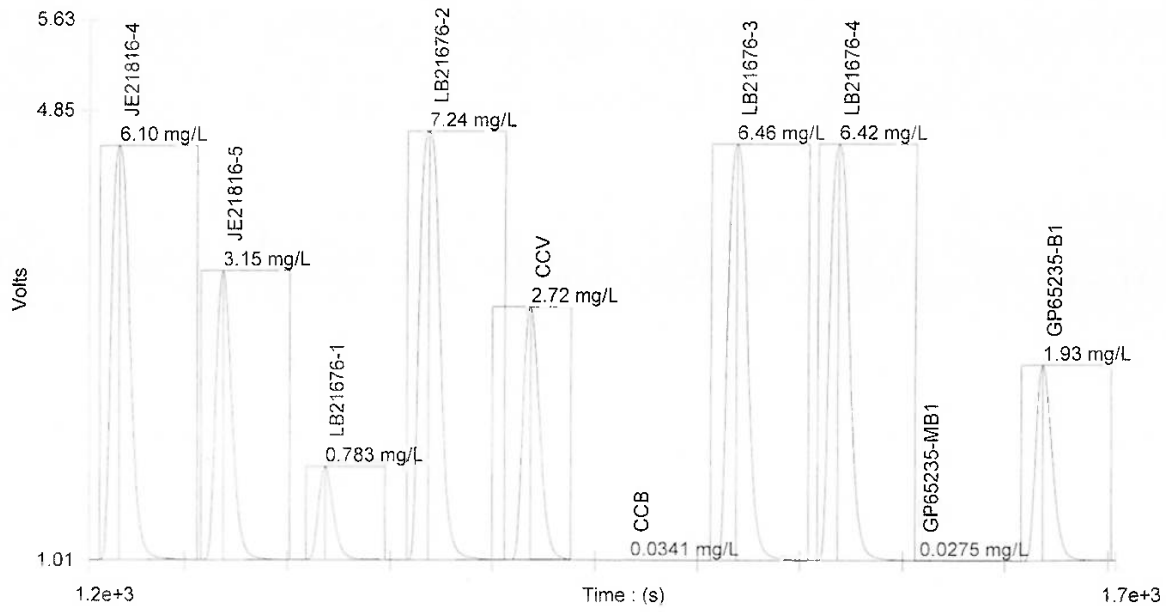
Channel 2 - Set: 2 / 11



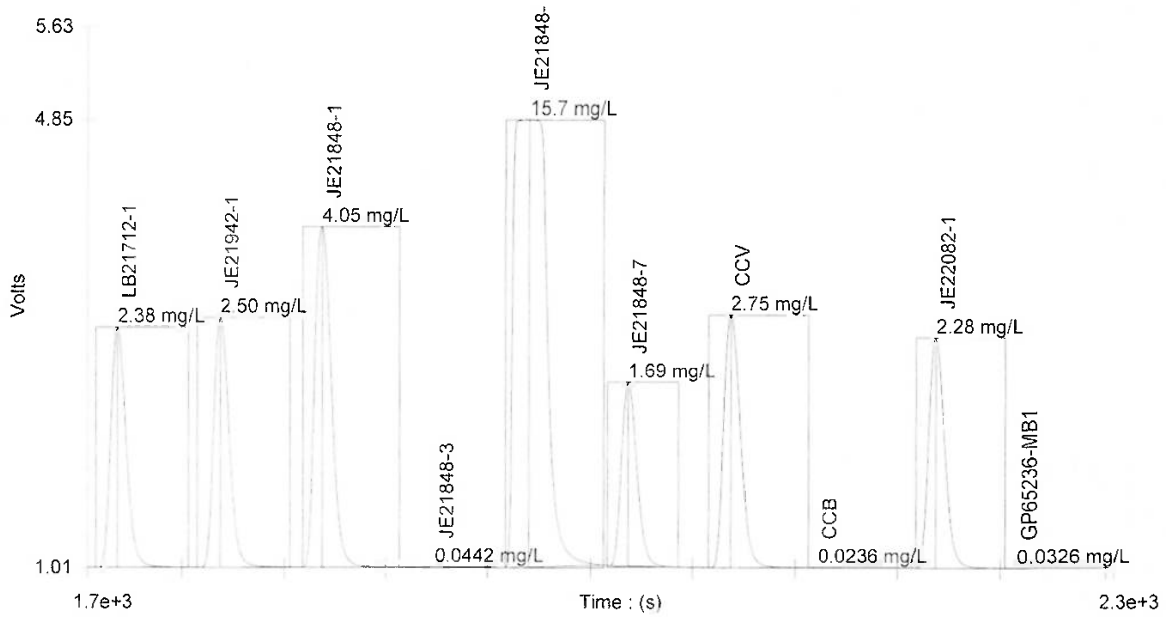
Author: Chemistry

Date : 11/4/2025

Channel 2 - Set: 3 / 11



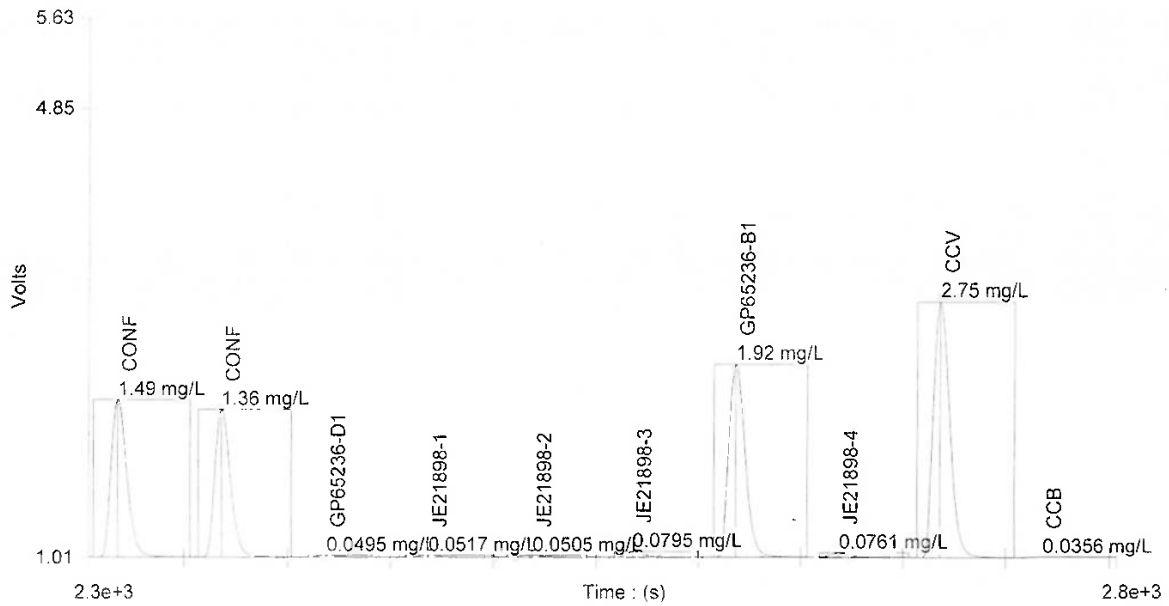
Channel 2 - Set: 4 / 11



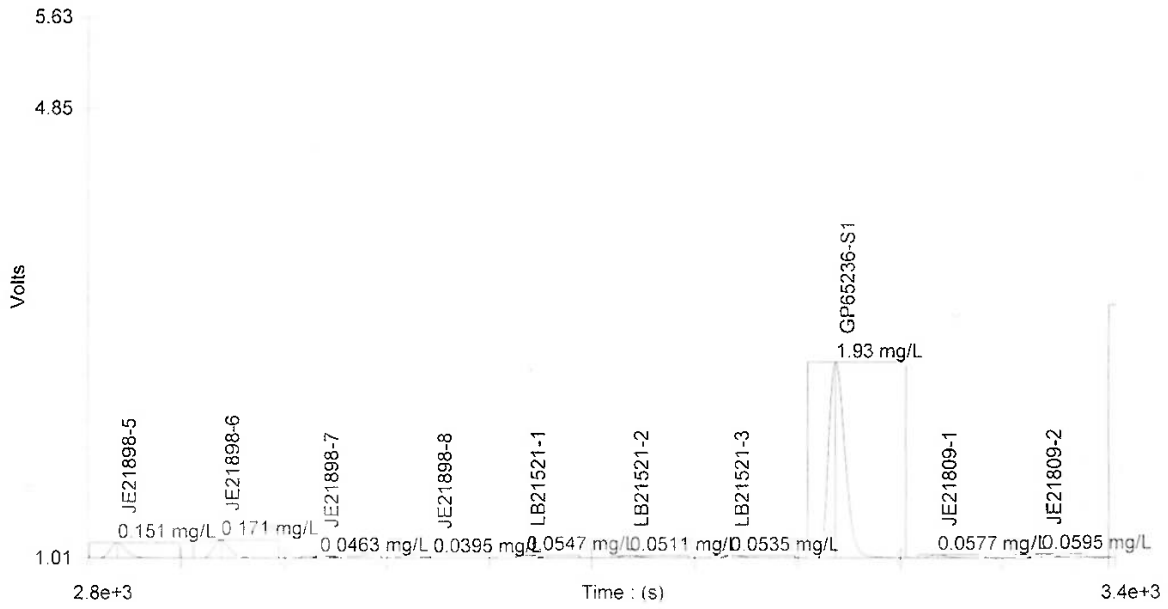
Author: Chemistry

Date : 11/4/2025

Channel 2 - Set: 5 / 11



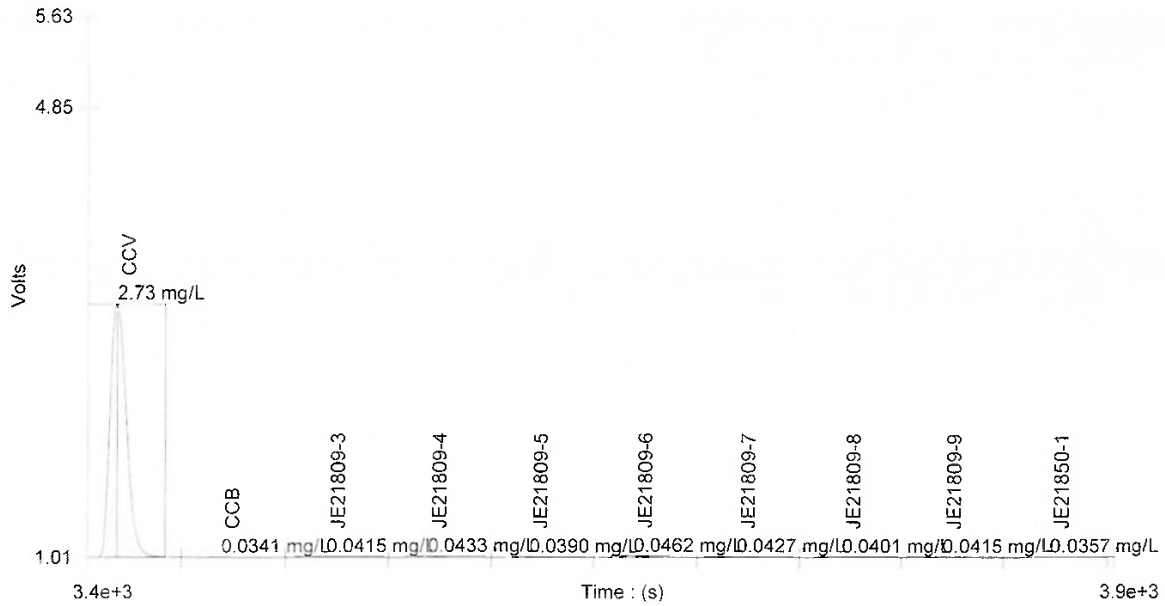
Channel 2 - Set: 6 / 11



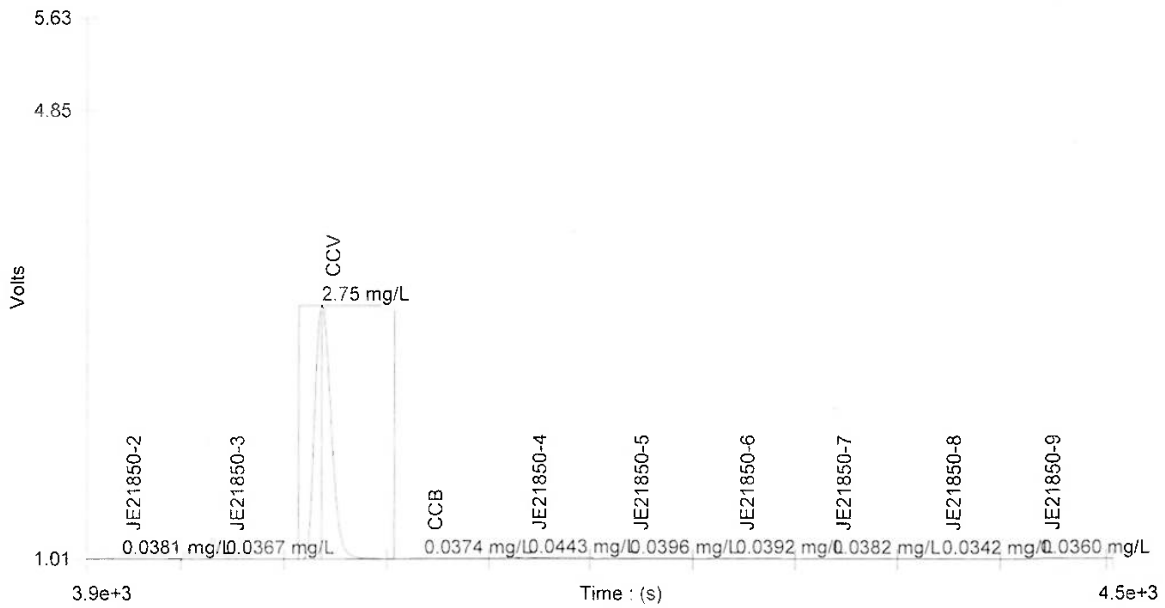
Author: Chemistry

Date : 11/4/2025

Channel 2 - Set: 7 / 11

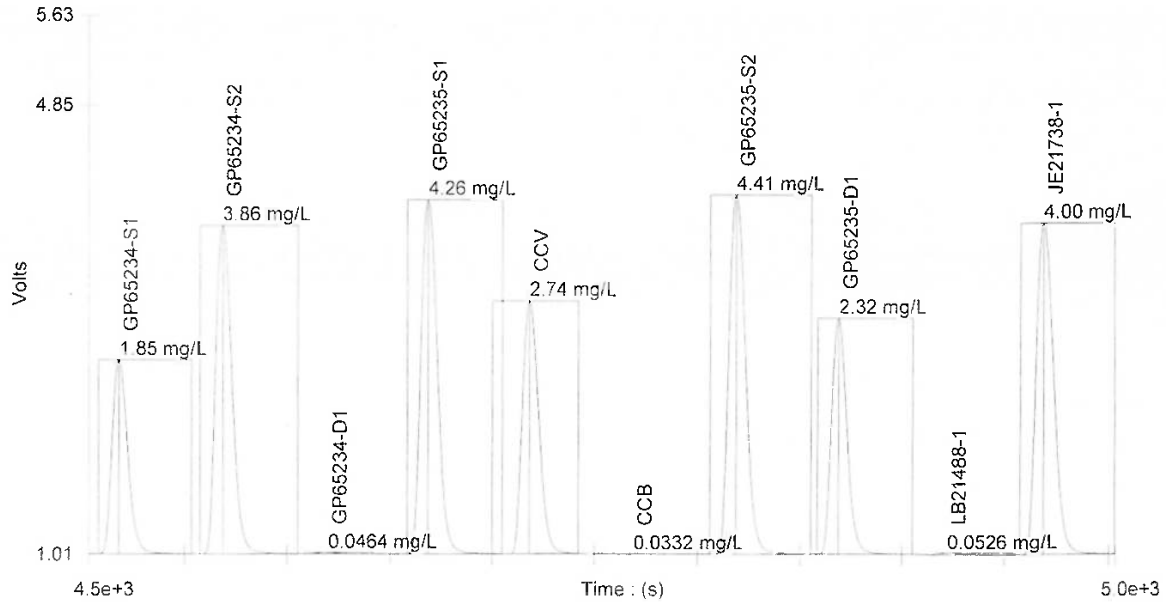


Channel 2 - Set: 8 / 11

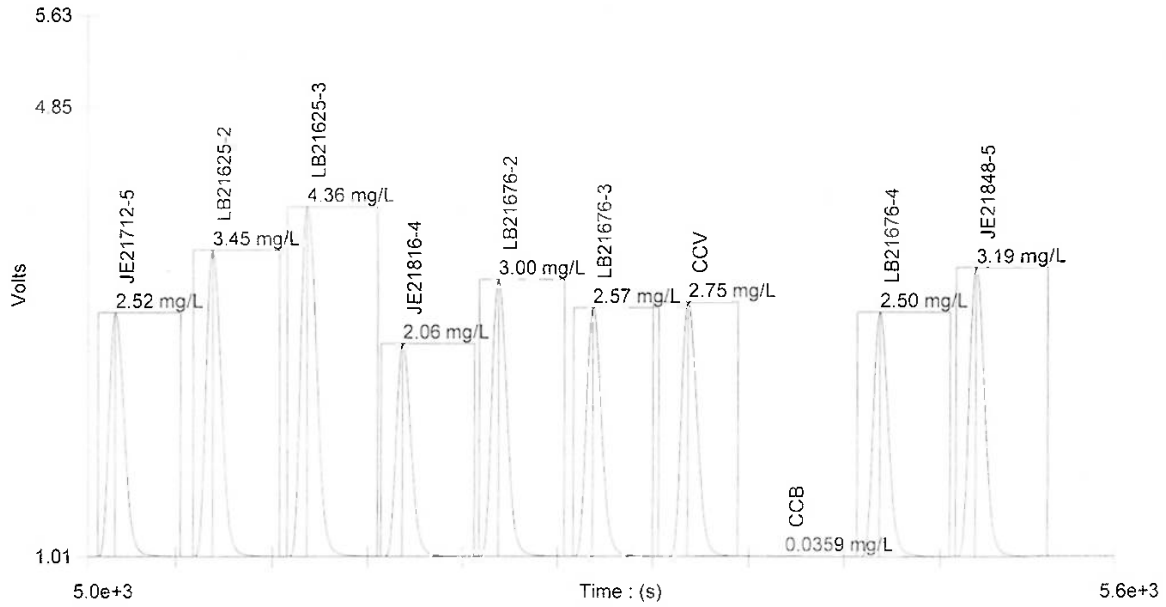


Author: Chemistry Date : 11/4/2025

Channel 2 - Set: 9 / 11



Channel 2 - Set: 10 / 11



Author: Chemistry Date : 11/4/2025

Channel 2 - Set: 11 / 11

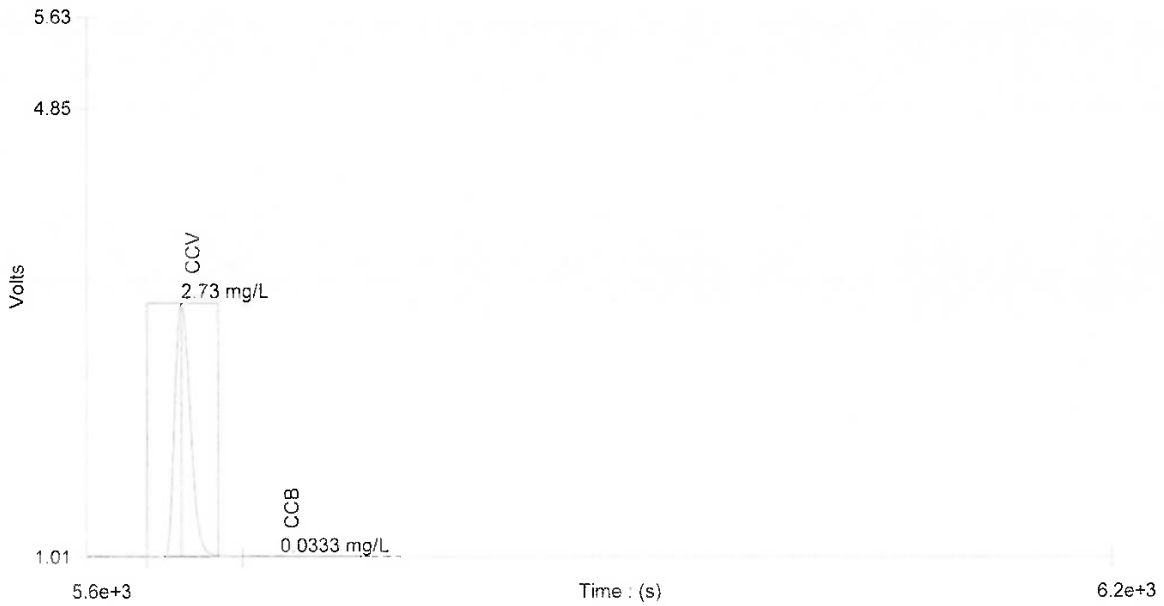
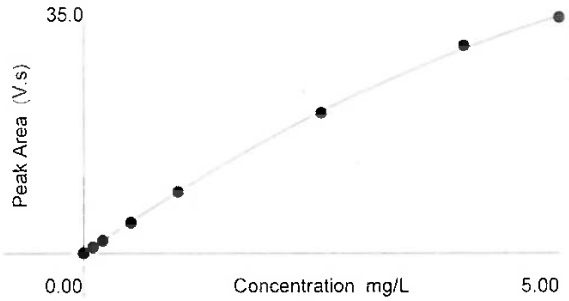


Table : 1 (NO32)

	Known Conc. (mg/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg/L)	Detection Date	Detection Time	RE%
1	5.00	1	35.0	3.21	0.0	0.7	4.90	11/4/2025	4:46:43 PM	98
2	4.00	1	30.8	2.85	0.0	-1.5	4.13	11/4/2025	4:47:50 PM	103.3
3	2.50	1	20.7	2.03	0.0	1.1	2.49	11/4/2025	4:48:57 PM	109.6
4	1.00	1	9.15	0.921	0.0	0.2	0.960	11/4/2025	4:50:04 PM	96
5	0.500	1	4.54	0.460	0.0	2.9	0.462	11/4/2025	4:51:12 PM	92.4
6	0.200	1	1.85	0.185	0.0	-0.5	0.201	11/4/2025	4:52:19 PM	100.5
7	0.100	1	0.904	0.0900	0.0	-2.9	0.114	11/4/2025	4:53:26 PM	114
8	0.00	1	0.0307	2.02e-3			0.0359	11/4/2025	4:54:33 PM	

Figure : 1 (NO32)



Area = - 0.550 * Conc^2 + 9.81 * Conc - 0.0965
Conc = 1.47e-3 * Area^2 + 0.0879 * Area + 0.0332
Correlation Coefficient (r) = 0.99987

Weighting : None

15.6 15

Reagent Information Log - Nitrate Lachat Autoanalyzer

Reagent	Reagent # or Manufacturer/Lot	Expiration Date
Ammonium Chloride Buffer Solution	GNE8-79333-NO32	2/11/2026
Sulfanilamide Color Reagent	GNE8-79286-NO32	10/20/2025
1:1 NH4OH	GNE4-77986-NO3	11/30/2025
Carrier Solution	GNE4-77987-NO32	11/15/2025
Nitrate Stock Solution	GNE4-77989-NO32	11/5/2025
1000 ppm Nitrite Solution	GNE4-77988-NO32	11/5/2025
Nitrate External Stock Solution	GNE4-77990-NO32	11/5/2025
Total Chlorine Test Strips	Lot 022J430-HH	11/5/2025
pH Test Strips	Lot 221523	8/1/2026

Reason codes for data corrections: 1-reviewer error correction: 2-transcription error; 3-computer error; 4-analyst error

Form: GN087A-43
Rev. Date: 7/19/06

SGS

GENERAL CHEMISTRY STANDARD PREPARATION LOG

Product: NO32

GN/GP number: _____

Analyst: _____

Date: _____

Intermediate Standard Description	Stock used to prepare standard	Stock concentration	Stock volume used in ml	Pipette ID*	Diluent	Final Volume	Final Conc. of Intermediate (mg/l)	Expiration Date	Standard ID
100 ppm NO3 intermediate	GNE4-77989-NO32	1000	10	61	Carrier	100 ml	100	11/5/2025	NO32-100-080125
100 ppm NO2 Intermediate	GNE4-77988-NO32	1000	10	61	Carrier	100 ml	100	11/5/2025	NO2-100-080125
100 ppm NO3 External	GNE4-77990-NO32	1000	10	61	Carrier	100 ml	100	11/5/2025	NO32E-100-080125

Standard Description	Intermediate or Stock used to prepare standard	Intermediate or Stock concentration	Intermediate or Stock volume used in ml		Diluent	Final Volume	Final Conc. of Standard (mg/l)	Expiration Date	
5.0 mg/l NO3	NO32-100-080125	100 mg/l	5.0	61	Carrier	100 ml	5.0	11/5/2025	STDA-082125
4.0 mg/l NO3	NO32-100-080125	100 mg/l	4.0	61	Carrier	100 ml	4.0	11/5/2025	STDB-082125
2.5 mg/l NO3	NO32-100-080125	100 mg/l	2.5	61	Carrier	100 ml	2.5	11/5/2025	STDC-082125
1.0 mg/l NO3	NO32-100-080125	100 mg/l	1.0	61	Carrier	100 ml	1.0	11/5/2025	STDD-082125
0.5 mg/l NO3	NO32-100-080125	100 mg/l	0.5	61	Carrier	100 ml	0.5	11/5/2025	STDE-082125
0.2 mg/l NO3	NO32-100-080125	100 mg/l	0.2	61	Carrier	100 ml	0.2	11/5/2025	STDF-082125
0.1 mg/l NO3	NO32-100-080125	100 mg/l	0.1	61	Carrier	100 ml	0.1	11/5/2025	STDG-082125
Effcheck 2.0	NO2-100-080125	100 mg/l	2.0	61	Carrier	100 ml	2.0	1/0/1900	EFFcheck-082125
ICV	NO32E-100-080125	100 mg/l	2.0	61	Carrier	100 ml	2.0	11/5/2025	ICV-082125

*If Class A glass pipettes are used, enter an A.

Form: GN205-03
Rev. Date:03/22/2022

SGS Dayton Analyst: JD

Prep Date: 11/4/2025 Pipette ID: 61 and 63

Batch ID: GP65185 pH paper Lot: 221523 XP 08/01/2026

Nitrate-Nitrite (NO32) AQUEOUS QC Prep Log / Sample pH Log

Sample ID	Standard Prep	Std Final Volume		SAMPLE pH 5 - 9 (Y / N)	Chlorine Present (Y / N) If Y, add sodium thiosuldate
EDTA BUFFER SOLN.	N/A	N/A		9.1	N
GP65185-MB1				Y	N
GP65185-B1	1.0ML OF 100PPM	100MLS	CARRIER	Y	N
GP65185-S1	0.5ML OF 100PPM	50MLS	DA76263-1	Y	N
GP65185-S2	0.5ML OF 100PPM	50MLS	DA76263-2	Y	N
GP65185-D1				Y	N
DA76263-1				Y	N
DA76263-2				Y	N
DA76263-3				Y	N
DA76263-4				Y	N
DA76263-5				Y	N
DA76263-6				Y	N
DA76263-7				Y	N
DA76263-8				Y	N
DA76263-9				Y	N
DA76263-10				Y	N
DA76263-11				Y	N
DA76263-12				Y	N
DA76263-13				Y	N
JE21194-1				Y	N
LB21288-1				Y	N
LB21290-1				Y	N
JE21711-1				Y	N
JE21711-2				Y	N
JE21711-3				Y	N
JE21711-4				Y	N

Reviewer: _____

Rev date: 03/06/2023 Date: _____

15.6 15

SGS Dayton Analyst: JD

Prep Date: 11/4/2025 Pipette ID: 61 and 63

Batch ID: GP65186 pH paper Lot: 221523 XP 08/01/2026

Nitrate-Nitrite (NO32) AQUEOUS QC Prep Log / Sample pH Log

Sample ID	Standard Prep	Std Final Volume		SAMPLE pH 5 - 9 (Y / N)	Chlorine Present (Y / N) If Y, add sodium thiosuldate
EDTA BUFFER SOLN.	N/A	N/A		9.1	N
GP65186-MB1				Y	N
GP65186-B1	1.0ML OF 100PPM	100MLS	CARRIER	Y	N
GP65186-S1	0.5ML OF 100PPM	50MLS	JE21711-5	Y	N
GP65186-S2	0.5ML OF 100PPM	50MLS	JE21711-6	Y	N
GP65186-D1				Y	N
JE21711-5				Y	N
JE21711-6				Y	N
JE21711-7				Y	N
JE21738-1				Y	N
JE21738-2				Y	N
JE21738-3				Y	N
JE21738-4				Y	N
JE21738-5				Y	N
JE21738-6				Y	N
JE21807-1				Y	N
JE21704-1				Y	N
JE21704-7				Y	N
JE21704-8				Y	N
JE21704-12				Y	N
JE21712-1				Y	N
JE21712-3				Y	N
JE21712-5				Y	N
JE21712-7				Y	N
JE21849-10				Y	N
JE21711-4				Y	N

Reviewer: _____

Rev date: 03/06/2023 Date: _____

15.6 15

SGS Dayton Analyst: JD

Prep Date: 11/4/2025 Pipette ID: 61 and 63

Batch ID: GP65187 pH paper Lot: 221523 XP 08/01/2026

Nitrate-Nitrite (NO32) AQUEOUS QC Prep Log / Sample pH Log

Sample ID	Standard Prep	Std Final Volume		SAMPLE pH 5 - 9 (Y / N)	Chlorine Present (Y / N) If Y, add sodium thiosuldate
EDTA BUFFER SOLN.	N/A	N/A		9.1	N
GP65187-MB1				Y	N
GP65187-B1	1.0ML OF 100PPM	100MLS	CARRIER	Y	N
GP65187-S1	0.5ML OF 100PPM	50MLS	JE21892-2	Y	N
GP65187-S2	0.5ML OF 100PPM	50MLS	JE21892-4	Y	N
GP65187-D1				Y	N
JE21892-2				Y	N
JE21892-4				Y	N
JE21892-5				Y	N
JE21892-6				Y	N
JE21892-7				Y	N
JE21892-8				Y	N
JE21892-10				Y	N
JE21892-11				Y	N
JE21892-12				Y	N
LB21625-2				Y	N
LB21625-3				Y	N
LB21625-9				Y	N
LB21625-10				Y	N
LB21625-11				Y	N
LB21488-2				Y	N
LB21488-1				Y	N
				Y	N
				Y	N
				Y	N
				Y	N

Reviewer: _____

Rev date: 03/06/2023 Date: _____

15.6 15

SGS Dayton Analyst: JD

Prep Date: 11/4/2025

Batch ID: GP65234

Pipette ID: 61 and 63

pH paper Lot: 221523 XP 08/01/2026

Nitrate-Nitrite (NO32) AQUEOUS QC Prep Log / Sample pH Log

Sample ID	Standard Prep	Std Final Volume		SAMPLE pH 5 - 9 (Y / N)	Chlorine Present (Y / N) If Y, add sodium thiosuldate
EDTA BUFFER SOLN.	N/A	N/A		9.1	N
GP65234-MB1				Y	N
GP65234-B1	1.0ML OF 100PPM	100MLS	CARRIER	Y	N
GP65234-S1	0.5ML OF 100PPM	50MLS	JE21816-1	Y	N
GP65234-S2	0.5ML OF 100PPM	50MLS	JE21816-2	Y	N
GP65234-D1				Y	N
JE21816-1				Y	N
JE21816-2				Y	N
JE21816-3				Y	N
JE21816-4				Y	N
JE21816-5				Y	N
LB21676-1				Y	N
LB21676-2				Y	N
LB21676-3				Y	N
LB21676-4				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N
				Y	N

Reviewer: _____

Date: _____

Rev date: 03/06/2023

SGS Dayton Analyst: JD

Prep Date: 11/4/2025 Pipette ID: 61 and 63

Batch ID: GP65235 pH paper Lot: 221523 XP 08/01/2026

Nitrate-Nitrite (NO32) AQUEOUS QC Prep Log / Sample pH Log

Sample ID	Standard Prep	Std Final Volume		SAMPLE pH 5 - 9 (Y / N)	Chlorine Present (Y / N) If Y, add sodium thiosuldate
EDTA BUFFER SOLN.	N/A	N/A		9.1	N
GP65235-MB1				Y	N
GP65235-B1	1.0ML OF 100PPM	100MLS	CARRIER	Y	N
GP65235-S1	0.5ML OF 100PPM	50MLS	LB21712-1	Y	N
GP65235-S2	0.5ML OF 100PPM	50MLS	JE21942-1	Y	N
GP65235-D1				Y	N
LB21712-1				Y	N
JE21942-1				Y	N
JE21848-1				Y	N
JE21848-3				Y	N
JE21848-5				Y	N
JE21848-7				Y	N
JE22082-1				Y	N
JE21850-1				Y	N
JE21850-2				Y	N
JE21850-3				Y	N
JE21850-4				Y	N
JE21850-5				Y	N
JE21850-6				Y	N
JE21850-7				Y	N
JE21850-8				Y	N
JE21850-9				Y	N
				Y	N
				Y	N
				Y	N
				Y	N

Reviewer: _____

Rev date: 03/06/2023 Date: _____

15.6 15

SGS Dayton

Analyst: JD

Prep Date: 11/4/2025

Pipette ID: _61 & 63

Batch ID: GP65236

Balance ID:__B-93_____

pH paper lot: 221523 XP 08/01/2026

Nitrate-Nitrite (NO32) SOIL QC Prep Log / Sample pH Log

Sample ID	Standard Prep	Std Final Volume	SAMPLE pH 5 - 9
EDTA BUFFER SOLN.	N/A	N/A	Y
GP65236-MB1	1.00 G	200 ML DI H20	Y
GP65236-B1	1.00 + 4 ML OF 100 PPM NO32 STD	200 ML DI H20	Y
GP65236-S1	1.00+ 4 ML OF 100 PPM NO32 STD	200 ML DI H20	Y
GP65236-D1	1.00 G	200 ML DI H20	Y
JE21898-1	1.00 G	200 ML DI H20	Y
JE21898-2	1.00 G	200 ML DI H20	Y
JE21898-3	1.00 G	200 ML DI H20	Y
JE21898-4	1.00 G	200 ML DI H20	Y
JE21898-5	1.00 G	200 ML DI H20	Y
JE21898-6	1.00 G	200 ML DI H20	Y
JE21898-7	1.00 G	200 ML DI H20	Y
JE21898-8	1.00 G	200 ML DI H20	Y
LB21521-1	1.00 G	200 ML DI H20	Y
LB21521-2	1.00 G	200 ML DI H20	Y
LB21521-3	1.00 G	200 ML DI H20	Y

Form GN319A-04 Soil

Reviewer: _____

Rev date: 03/06/2023

Date: _____

15.6

15

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Tim Beaumont
Groundwater & Environmental Services, Inc.
6780 Northern Boulevard
Suite 100
East Syracuse, New York 13057

Generated 10/17/2025 12:55:12 PM

JOB DESCRIPTION

Saratoga Main Site GW Wells - Quarterly

JOB NUMBER

480-233448-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization

Generated
10/17/2025 12:55:12 PM

Authorized for release by
John Beninati, Project Manager I
John.Beninati@et.eurofinsus.com
(716)504-9874

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Detection Summary 6
Client Sample Results 8
Surrogate Summary 21
QC Sample Results 23
QC Association Summary 27
Lab Chronicle 29
Certification Summary 32
Method Summary 33
Sample Summary 34
Chain of Custody 35
Receipt Checklists 39

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 480-233448-1 Eurofins Buffalo

Job Narrative
480-233448-1

Receipt
The samples were received on 10/10/2025 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 2.7º C, 3.0º C, 3.5º C and 4.1º C.

GC/MS VOA
Method 8260C: The following sample(s) was collected in a properly preserved vial; however, the pH was outside the required criteria when verified by the laboratory. The sample was analyzed within the 7-day holding time specified for unpreserved samples: ORS (480-233448-11).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270E SIM: The continuing calibration verification (CCV) analyzed in batch 460-1068569 was outside the method criteria for the following analyte(s): Dibenz(a,h)anthracene and Indeno[1,2,3-cd]pyrene. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Groundwater & Environmental Services, Inc. Job ID: 480-233448-1

Client Sample ID: LTMW-01 Lab Sample ID: 480-233448-1

No Detections.

Client Sample ID: LTMW-02 Lab Sample ID: 480-233448-2

No Detections.

Client Sample ID: LTMW-03 Lab Sample ID: 480-233448-3

No Detections.

Client Sample ID: LTMW-04 Lab Sample ID: 480-233448-4

No Detections.

Client Sample ID: LTMW-05 Lab Sample ID: 480-233448-5

No Detections.

Client Sample ID: LTMW-06A Lab Sample ID: 480-233448-6

No Detections.

Client Sample ID: LTMW-12 Lab Sample ID: 480-233448-7

No Detections.

Client Sample ID: LTMW-13 Lab Sample ID: 480-233448-8

No Detections.

Client Sample ID: LTMW-14 Lab Sample ID: 480-233448-9

No Detections.

Client Sample ID: LTMW-15 Lab Sample ID: 480-233448-10

No Detections.

Client Sample ID: ORS Lab Sample ID: 480-233448-11

No Detections.

Client Sample ID: MH-1 Lab Sample ID: 480-233448-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	6.3		1.0	0.41	ug/L	1		8260C	Total/NA
Ethylbenzene	0.94	J	1.0	0.74	ug/L	1		8260C	Total/NA
Total BTEX	7.2		2.0	1.0	ug/L	1		8260C	Total/NA
Acenaphthene	0.45		0.050	0.014	ug/L	1		8270E SIM	Total/NA
Acenaphthylene	0.065		0.050	0.015	ug/L	1		8270E SIM	Total/NA
Anthracene	0.050		0.050	0.025	ug/L	1		8270E SIM	Total/NA
Fluoranthene	0.49		0.050	0.039	ug/L	1		8270E SIM	Total/NA
Pyrene	0.74		0.050	0.031	ug/L	1		8270E SIM	Total/NA

Client Sample ID: Field Duplicate Lab Sample ID: 480-233448-13

No Detections.

Client Sample ID: MW-EPA-01R Lab Sample ID: 480-233448-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.032	J	0.050	0.014	ug/L	1		8270E SIM	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client Sample ID: MW-EPA-01R (Continued) Lab Sample ID: 480-233448-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Pyrene	0.072		0.050	0.031	ug/L	1		8270E SIM	Total/NA

Client Sample ID: MW-EPA-03R Lab Sample ID: 480-233448-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	2.1		0.050	0.014	ug/L	1		8270E SIM	Total/NA
Acenaphthylene	2.5		0.050	0.015	ug/L	1		8270E SIM	Total/NA
Fluorene	0.16		0.050	0.012	ug/L	1		8270E SIM	Total/NA
Naphthalene	0.37		0.20	0.12	ug/L	1		8270E SIM	Total/NA

Client Sample ID: Trip Blank Lab Sample ID: 480-233448-16

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: LTMW-01
Lab Sample ID: 480-233448-1
Date Collected: 10/09/25 12:45
Matrix: Water
Date Received: 10/10/25 09:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/15/25 13:28	1
Toluene	ND		1.0	0.51	ug/L			10/15/25 13:28	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/15/25 13:28	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/15/25 13:28	1
o-Xylene	ND		1.0	0.76	ug/L			10/15/25 13:28	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/15/25 13:28	1
Total BTEX	ND		2.0	1.0	ug/L			10/15/25 13:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/15/25 13:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*10/15/25 13:28*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*10/15/25 13:28*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*10/15/25 13:28*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.050	0.014	ug/L		10/15/25 13:29	10/15/25 22:58	1
Acenaphthylene	ND		0.050	0.015	ug/L		10/15/25 13:29	10/15/25 22:58	1
Anthracene	ND		0.050	0.025	ug/L		10/15/25 13:29	10/15/25 22:58	1
Benzo[a]anthracene	ND		0.050	0.016	ug/L		10/15/25 13:29	10/15/25 22:58	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		10/15/25 13:29	10/15/25 22:58	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		10/15/25 13:29	10/15/25 22:58	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		10/15/25 13:29	10/15/25 22:58	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		10/15/25 13:29	10/15/25 22:58	1
Chrysene	ND		0.050	0.030	ug/L		10/15/25 13:29	10/15/25 22:58	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		10/15/25 13:29	10/15/25 22:58	1
Fluoranthene	ND		0.050	0.039	ug/L		10/15/25 13:29	10/15/25 22:58	1
Fluorene	ND		0.050	0.012	ug/L		10/15/25 13:29	10/15/25 22:58	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		10/15/25 13:29	10/15/25 22:58	1
Naphthalene	ND		0.20	0.12	ug/L		10/15/25 13:29	10/15/25 22:58	1
Phenanthrene	ND		0.050	0.022	ug/L		10/15/25 13:29	10/15/25 22:58	1
Pyrene	ND		0.050	0.031	ug/L		10/15/25 13:29	10/15/25 22:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*95*		*36 - 150*	*10/15/25 13:29*	*10/15/25 22:58*	*1*
2-Fluorobiphenyl (Surr)	*81*		*33 - 150*	*10/15/25 13:29*	*10/15/25 22:58*	*1*

Client Sample ID: LTMW-02
Lab Sample ID: 480-233448-2
Date Collected: 10/09/25 12:20
Matrix: Water
Date Received: 10/10/25 09:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/15/25 13:52	1
Toluene	ND		1.0	0.51	ug/L			10/15/25 13:52	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/15/25 13:52	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/15/25 13:52	1
o-Xylene	ND		1.0	0.76	ug/L			10/15/25 13:52	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/15/25 13:52	1
Total BTEX	ND		2.0	1.0	ug/L			10/15/25 13:52	1

Client Sample ID: LTMW-02
Lab Sample ID: 480-233448-2
Date Collected: 10/09/25 12:20
Matrix: Water
Date Received: 10/10/25 09:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		80 - 120		10/15/25 13:52	1
1,2-Dichloroethane-d4 (Surr)	113		77 - 120		10/15/25 13:52	1
4-Bromofluorobenzene (Surr)	93		73 - 120		10/15/25 13:52	1
Dibromofluoromethane (Surr)	105		75 - 123		10/15/25 13:52	1

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.050	0.014	ug/L		10/15/25 13:29	10/15/25 23:19	1
Acenaphthylene	ND		0.050	0.015	ug/L		10/15/25 13:29	10/15/25 23:19	1
Anthracene	ND		0.050	0.025	ug/L		10/15/25 13:29	10/15/25 23:19	1
Benzo[a]anthracene	ND		0.050	0.016	ug/L		10/15/25 13:29	10/15/25 23:19	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		10/15/25 13:29	10/15/25 23:19	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		10/15/25 13:29	10/15/25 23:19	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		10/15/25 13:29	10/15/25 23:19	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		10/15/25 13:29	10/15/25 23:19	1
Chrysene	ND		0.050	0.030	ug/L		10/15/25 13:29	10/15/25 23:19	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		10/15/25 13:29	10/15/25 23:19	1
Fluoranthene	ND		0.050	0.039	ug/L		10/15/25 13:29	10/15/25 23:19	1
Fluorene	ND		0.050	0.012	ug/L		10/15/25 13:29	10/15/25 23:19	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		10/15/25 13:29	10/15/25 23:19	1
Naphthalene	ND		0.20	0.12	ug/L		10/15/25 13:29	10/15/25 23:19	1
Phenanthrene	ND		0.050	0.022	ug/L		10/15/25 13:29	10/15/25 23:19	1
Pyrene	ND		0.050	0.031	ug/L		10/15/25 13:29	10/15/25 23:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	93		36 - 150	10/15/25 13:29	10/15/25 23:19	1
2-Fluorobiphenyl (Surr)	76		33 - 150	10/15/25 13:29	10/15/25 23:19	1

Client Sample ID: LTMW-03
Lab Sample ID: 480-233448-3
Date Collected: 10/09/25 11:35
Matrix: Water
Date Received: 10/10/25 09:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/15/25 14:15	1
Toluene	ND		1.0	0.51	ug/L			10/15/25 14:15	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/15/25 14:15	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/15/25 14:15	1
o-Xylene	ND		1.0	0.76	ug/L			10/15/25 14:15	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/15/25 14:15	1
Total BTEX	ND		2.0	1.0	ug/L			10/15/25 14:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		80 - 120		10/15/25 14:15	1
1,2-Dichloroethane-d4 (Surr)	110		77 - 120		10/15/25 14:15	1
4-Bromofluorobenzene (Surr)	95		73 - 120		10/15/25 14:15	1
Dibromofluoromethane (Surr)	109		75 - 123		10/15/25 14:15	1

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.050	0.014	ug/L		10/15/25 13:29	10/15/25 23:40	1
Acenaphthylene	ND		0.050	0.015	ug/L		10/15/25 13:29	10/15/25 23:40	1

Client Sample ID: LTMW-03
Lab Sample ID: 480-233448-3
Date Collected: 10/09/25 11:35
Matrix: Water
Date Received: 10/10/25 09:30

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		0.050	0.025	ug/L		10/15/25 13:29	10/15/25 23:40	1
Benzo[a]anthracene	ND		0.050	0.016	ug/L		10/15/25 13:29	10/15/25 23:40	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		10/15/25 13:29	10/15/25 23:40	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		10/15/25 13:29	10/15/25 23:40	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		10/15/25 13:29	10/15/25 23:40	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		10/15/25 13:29	10/15/25 23:40	1
Chrysene	ND		0.050	0.030	ug/L		10/15/25 13:29	10/15/25 23:40	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		10/15/25 13:29	10/15/25 23:40	1
Fluoranthene	ND		0.050	0.039	ug/L		10/15/25 13:29	10/15/25 23:40	1
Fluorene	ND		0.050	0.012	ug/L		10/15/25 13:29	10/15/25 23:40	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		10/15/25 13:29	10/15/25 23:40	1
Naphthalene	ND		0.20	0.12	ug/L		10/15/25 13:29	10/15/25 23:40	1
Phenanthrene	ND		0.050	0.022	ug/L		10/15/25 13:29	10/15/25 23:40	1
Pyrene	ND		0.050	0.031	ug/L		10/15/25 13:29	10/15/25 23:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*96*		*36 - 150*	*10/15/25 13:29*	*10/15/25 23:40*	*1*
2-Fluorobiphenyl (Surr)	*79*		*33 - 150*	*10/15/25 13:29*	*10/15/25 23:40*	*1*

Client Sample ID: LTMW-04
Lab Sample ID: 480-233448-4
Date Collected: 10/09/25 10:25
Matrix: Water
Date Received: 10/10/25 09:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/15/25 14:38	1
Toluene	ND		1.0	0.51	ug/L			10/15/25 14:38	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/15/25 14:38	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/15/25 14:38	1
o-Xylene	ND		1.0	0.76	ug/L			10/15/25 14:38	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/15/25 14:38	1
Total BTEX	ND		2.0	1.0	ug/L			10/15/25 14:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/15/25 14:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*10/15/25 14:38*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*10/15/25 14:38*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*10/15/25 14:38*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.050	0.014	ug/L		10/15/25 13:29	10/15/25 21:34	1
Acenaphthylene	ND		0.050	0.015	ug/L		10/15/25 13:29	10/15/25 21:34	1
Anthracene	ND		0.050	0.025	ug/L		10/15/25 13:29	10/15/25 21:34	1
Benzo[a]anthracene	ND		0.050	0.016	ug/L		10/15/25 13:29	10/15/25 21:34	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		10/15/25 13:29	10/15/25 21:34	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		10/15/25 13:29	10/15/25 21:34	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		10/15/25 13:29	10/15/25 21:34	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		10/15/25 13:29	10/15/25 21:34	1
Chrysene	ND		0.050	0.030	ug/L		10/15/25 13:29	10/15/25 21:34	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		10/15/25 13:29	10/15/25 21:34	1
Fluoranthene	ND		0.050	0.039	ug/L		10/15/25 13:29	10/15/25 21:34	1

Client Sample ID: LTMW-04
Lab Sample ID: 480-233448-4
Date Collected: 10/09/25 10:25
Matrix: Water
Date Received: 10/10/25 09:30

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	ND		0.050	0.012	ug/L		10/15/25 13:29	10/15/25 21:34	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		10/15/25 13:29	10/15/25 21:34	1
Naphthalene	ND		0.20	0.12	ug/L		10/15/25 13:29	10/15/25 21:34	1
Phenanthrene	ND		0.050	0.022	ug/L		10/15/25 13:29	10/15/25 21:34	1
Pyrene	ND		0.050	0.031	ug/L		10/15/25 13:29	10/15/25 21:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*88*		*36 - 150*	*10/15/25 13:29*	*10/15/25 21:34*	*1*
2-Fluorobiphenyl (Surr)	*75*		*33 - 150*	*10/15/25 13:29*	*10/15/25 21:34*	*1*

Client Sample ID: LTMW-05
Lab Sample ID: 480-233448-5
Date Collected: 10/09/25 09:30
Matrix: Water
Date Received: 10/10/25 09:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/15/25 15:01	1
Toluene	ND		1.0	0.51	ug/L			10/15/25 15:01	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/15/25 15:01	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/15/25 15:01	1
o-Xylene	ND		1.0	0.76	ug/L			10/15/25 15:01	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/15/25 15:01	1
Total BTEX	ND		2.0	1.0	ug/L			10/15/25 15:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/15/25 15:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*		*10/15/25 15:01*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*10/15/25 15:01*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*10/15/25 15:01*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.050	0.014	ug/L		10/15/25 13:29	10/16/25 00:02	1
Acenaphthylene	ND		0.050	0.015	ug/L		10/15/25 13:29	10/16/25 00:02	1
Anthracene	ND		0.050	0.025	ug/L		10/15/25 13:29	10/16/25 00:02	1
Benzo[a]anthracene	ND		0.050	0.016	ug/L		10/15/25 13:29	10/16/25 00:02	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		10/15/25 13:29	10/16/25 00:02	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		10/15/25 13:29	10/16/25 00:02	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		10/15/25 13:29	10/16/25 00:02	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		10/15/25 13:29	10/16/25 00:02	1
Chrysene	ND		0.050	0.030	ug/L		10/15/25 13:29	10/16/25 00:02	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		10/15/25 13:29	10/16/25 00:02	1
Fluoranthene	ND		0.050	0.039	ug/L		10/15/25 13:29	10/16/25 00:02	1
Fluorene	ND		0.050	0.012	ug/L		10/15/25 13:29	10/16/25 00:02	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		10/15/25 13:29	10/16/25 00:02	1
Naphthalene	ND		0.20	0.12	ug/L		10/15/25 13:29	10/16/25 00:02	1
Phenanthrene	ND		0.050	0.022	ug/L		10/15/25 13:29	10/16/25 00:02	1
Pyrene	ND		0.050	0.031	ug/L		10/15/25 13:29	10/16/25 00:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*91*		*36 - 150*	*10/15/25 13:29*	*10/16/25 00:02*	*1*
2-Fluorobiphenyl (Surr)	*75*		*33 - 150*	*10/15/25 13:29*	*10/16/25 00:02*	*1*

Client Sample ID: LTMW-06A
Lab Sample ID: 480-233448-6
Date Collected: 10/09/25 11:00
Matrix: Water
Date Received: 10/10/25 09:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/15/25 15:24	1
Toluene	ND		1.0	0.51	ug/L			10/15/25 15:24	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/15/25 15:24	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/15/25 15:24	1
o-Xylene	ND		1.0	0.76	ug/L			10/15/25 15:24	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/15/25 15:24	1
Total BTEX	ND		2.0	1.0	ug/L			10/15/25 15:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*10/15/25 15:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*10/15/25 15:24*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*10/15/25 15:24*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*10/15/25 15:24*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.050	0.014	ug/L		10/15/25 13:29	10/16/25 00:23	1
Acenaphthylene	ND		0.050	0.015	ug/L		10/15/25 13:29	10/16/25 00:23	1
Anthracene	ND		0.050	0.025	ug/L		10/15/25 13:29	10/16/25 00:23	1
Benzo[a]anthracene	ND		0.050	0.016	ug/L		10/15/25 13:29	10/16/25 00:23	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		10/15/25 13:29	10/16/25 00:23	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		10/15/25 13:29	10/16/25 00:23	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		10/15/25 13:29	10/16/25 00:23	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		10/15/25 13:29	10/16/25 00:23	1
Chrysene	ND		0.050	0.030	ug/L		10/15/25 13:29	10/16/25 00:23	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		10/15/25 13:29	10/16/25 00:23	1
Fluoranthene	ND		0.050	0.039	ug/L		10/15/25 13:29	10/16/25 00:23	1
Fluorene	ND		0.050	0.012	ug/L		10/15/25 13:29	10/16/25 00:23	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		10/15/25 13:29	10/16/25 00:23	1
Naphthalene	ND		0.20	0.12	ug/L		10/15/25 13:29	10/16/25 00:23	1
Phenanthrene	ND		0.050	0.022	ug/L		10/15/25 13:29	10/16/25 00:23	1
Pyrene	ND		0.050	0.031	ug/L		10/15/25 13:29	10/16/25 00:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*94*		*36 - 150*	*10/15/25 13:29*	*10/16/25 00:23*	*1*
2-Fluorobiphenyl (Surr)	*77*		*33 - 150*	*10/15/25 13:29*	*10/16/25 00:23*	*1*

Client Sample ID: LTMW-12
Lab Sample ID: 480-233448-7
Date Collected: 10/08/25 16:10
Matrix: Water
Date Received: 10/10/25 09:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/15/25 15:47	1
Toluene	ND		1.0	0.51	ug/L			10/15/25 15:47	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/15/25 15:47	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/15/25 15:47	1
o-Xylene	ND		1.0	0.76	ug/L			10/15/25 15:47	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/15/25 15:47	1
Total BTEX	ND		2.0	1.0	ug/L			10/15/25 15:47	1

Client Sample ID: LTMW-12
Lab Sample ID: 480-233448-7
Date Collected: 10/08/25 16:10
Matrix: Water
Date Received: 10/10/25 09:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*106*		*80 - 120*		*10/15/25 15:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*77 - 120*		*10/15/25 15:47*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*10/15/25 15:47*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*10/15/25 15:47*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.050	0.014	ug/L		10/15/25 13:29	10/16/25 00:43	1
Acenaphthylene	ND		0.050	0.015	ug/L		10/15/25 13:29	10/16/25 00:43	1
Anthracene	ND		0.050	0.025	ug/L		10/15/25 13:29	10/16/25 00:43	1
Benzo[a]anthracene	ND		0.050	0.016	ug/L		10/15/25 13:29	10/16/25 00:43	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		10/15/25 13:29	10/16/25 00:43	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		10/15/25 13:29	10/16/25 00:43	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		10/15/25 13:29	10/16/25 00:43	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		10/15/25 13:29	10/16/25 00:43	1
Chrysene	ND		0.050	0.030	ug/L		10/15/25 13:29	10/16/25 00:43	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		10/15/25 13:29	10/16/25 00:43	1
Fluoranthene	ND		0.050	0.039	ug/L		10/15/25 13:29	10/16/25 00:43	1
Fluorene	ND		0.050	0.012	ug/L		10/15/25 13:29	10/16/25 00:43	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		10/15/25 13:29	10/16/25 00:43	1
Naphthalene	ND		0.20	0.12	ug/L		10/15/25 13:29	10/16/25 00:43	1
Phenanthrene	ND		0.050	0.022	ug/L		10/15/25 13:29	10/16/25 00:43	1
Pyrene	ND		0.050	0.031	ug/L		10/15/25 13:29	10/16/25 00:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	*96*		*36 - 150*	*10/15/25 13:29*	*10/16/25 00:43*	*1*
2-Fluorobiphenyl (Surr)	*80*		*33 - 150*	*10/15/25 13:29*	*10/16/25 00:43*	*1*

Client Sample ID: LTMW-13
Lab Sample ID: 480-233448-8
Date Collected: 10/08/25 17:30
Matrix: Water
Date Received: 10/10/25 09:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/15/25 16:10	1
Toluene	ND		1.0	0.51	ug/L			10/15/25 16:10	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/15/25 16:10	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/15/25 16:10	1
o-Xylene	ND		1.0	0.76	ug/L			10/15/25 16:10	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/15/25 16:10	1
Total BTEX	ND		2.0	1.0	ug/L			10/15/25 16:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*99*		*80 - 120*		*10/15/25 16:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*10/15/25 16:10*	*1*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*		*10/15/25 16:10*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*10/15/25 16:10*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.050	0.014	ug/L		10/15/25 13:29	10/16/25 01:04	1
Acenaphthylene	ND		0.050	0.015	ug/L		10/15/25 13:29	10/16/25 01:04	1

Client Sample ID: LTMW-13
Date Collected: 10/08/25 17:30
Date Received: 10/10/25 09:30

Lab Sample ID: 480-233448-8
Matrix: Water

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		0.050	0.025	ug/L		10/15/25 13:29	10/16/25 01:04	1
Benzo[a]anthracene	ND		0.050	0.016	ug/L		10/15/25 13:29	10/16/25 01:04	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		10/15/25 13:29	10/16/25 01:04	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		10/15/25 13:29	10/16/25 01:04	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		10/15/25 13:29	10/16/25 01:04	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		10/15/25 13:29	10/16/25 01:04	1
Chrysene	ND		0.050	0.030	ug/L		10/15/25 13:29	10/16/25 01:04	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		10/15/25 13:29	10/16/25 01:04	1
Fluoranthene	ND		0.050	0.039	ug/L		10/15/25 13:29	10/16/25 01:04	1
Fluorene	ND		0.050	0.012	ug/L		10/15/25 13:29	10/16/25 01:04	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		10/15/25 13:29	10/16/25 01:04	1
Naphthalene	ND		0.20	0.12	ug/L		10/15/25 13:29	10/16/25 01:04	1
Phenanthrene	ND		0.050	0.022	ug/L		10/15/25 13:29	10/16/25 01:04	1
Pyrene	ND		0.050	0.031	ug/L		10/15/25 13:29	10/16/25 01:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*102*		*36 - 150*	*10/15/25 13:29*	*10/16/25 01:04*	*1*
2-Fluorobiphenyl (Surr)	*81*		*33 - 150*	*10/15/25 13:29*	*10/16/25 01:04*	*1*

Client Sample ID: LTMW-14
Date Collected: 10/09/25 11:45
Date Received: 10/10/25 09:30

Lab Sample ID: 480-233448-9
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/15/25 16:33	1
Toluene	ND		1.0	0.51	ug/L			10/15/25 16:33	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/15/25 16:33	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/15/25 16:33	1
o-Xylene	ND		1.0	0.76	ug/L			10/15/25 16:33	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/15/25 16:33	1
Total BTEX	ND		2.0	1.0	ug/L			10/15/25 16:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*104*		*80 - 120*		*10/15/25 16:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*		*10/15/25 16:33*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*10/15/25 16:33*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*10/15/25 16:33*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.050	0.014	ug/L		10/15/25 13:29	10/16/25 01:25	1
Acenaphthylene	ND		0.050	0.015	ug/L		10/15/25 13:29	10/16/25 01:25	1
Anthracene	ND		0.050	0.025	ug/L		10/15/25 13:29	10/16/25 01:25	1
Benzo[a]anthracene	ND		0.050	0.016	ug/L		10/15/25 13:29	10/16/25 01:25	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		10/15/25 13:29	10/16/25 01:25	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		10/15/25 13:29	10/16/25 01:25	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		10/15/25 13:29	10/16/25 01:25	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		10/15/25 13:29	10/16/25 01:25	1
Chrysene	ND		0.050	0.030	ug/L		10/15/25 13:29	10/16/25 01:25	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		10/15/25 13:29	10/16/25 01:25	1
Fluoranthene	ND		0.050	0.039	ug/L		10/15/25 13:29	10/16/25 01:25	1

Client Sample ID: LTMW-14
Lab Sample ID: 480-233448-9
Date Collected: 10/09/25 11:45
Matrix: Water
Date Received: 10/10/25 09:30

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	ND		0.050	0.012	ug/L		10/15/25 13:29	10/16/25 01:25	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		10/15/25 13:29	10/16/25 01:25	1
Naphthalene	ND		0.20	0.12	ug/L		10/15/25 13:29	10/16/25 01:25	1
Phenanthrene	ND		0.050	0.022	ug/L		10/15/25 13:29	10/16/25 01:25	1
Pyrene	ND		0.050	0.031	ug/L		10/15/25 13:29	10/16/25 01:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*98*		*36 - 150*	*10/15/25 13:29*	*10/16/25 01:25*	*1*
2-Fluorobiphenyl (Surr)	*83*		*33 - 150*	*10/15/25 13:29*	*10/16/25 01:25*	*1*

Client Sample ID: LTMW-15
Lab Sample ID: 480-233448-10
Date Collected: 10/09/25 09:55
Matrix: Water
Date Received: 10/10/25 09:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/15/25 16:56	1
Toluene	ND		1.0	0.51	ug/L			10/15/25 16:56	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/15/25 16:56	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/15/25 16:56	1
o-Xylene	ND		1.0	0.76	ug/L			10/15/25 16:56	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/15/25 16:56	1
Total BTEX	ND		2.0	1.0	ug/L			10/15/25 16:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*10/15/25 16:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*		*10/15/25 16:56*	*1*
4-Bromofluorobenzene (Surr)	*90*		*73 - 120*		*10/15/25 16:56*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*10/15/25 16:56*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.050	0.014	ug/L		10/15/25 13:29	10/16/25 01:46	1
Acenaphthylene	ND		0.050	0.015	ug/L		10/15/25 13:29	10/16/25 01:46	1
Anthracene	ND		0.050	0.025	ug/L		10/15/25 13:29	10/16/25 01:46	1
Benzo[a]anthracene	ND		0.050	0.016	ug/L		10/15/25 13:29	10/16/25 01:46	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		10/15/25 13:29	10/16/25 01:46	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		10/15/25 13:29	10/16/25 01:46	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		10/15/25 13:29	10/16/25 01:46	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		10/15/25 13:29	10/16/25 01:46	1
Chrysene	ND		0.050	0.030	ug/L		10/15/25 13:29	10/16/25 01:46	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		10/15/25 13:29	10/16/25 01:46	1
Fluoranthene	ND		0.050	0.039	ug/L		10/15/25 13:29	10/16/25 01:46	1
Fluorene	ND		0.050	0.012	ug/L		10/15/25 13:29	10/16/25 01:46	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		10/15/25 13:29	10/16/25 01:46	1
Naphthalene	ND		0.20	0.12	ug/L		10/15/25 13:29	10/16/25 01:46	1
Phenanthrene	ND		0.050	0.022	ug/L		10/15/25 13:29	10/16/25 01:46	1
Pyrene	ND		0.050	0.031	ug/L		10/15/25 13:29	10/16/25 01:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*45*		*36 - 150*	*10/15/25 13:29*	*10/16/25 01:46*	*1*
2-Fluorobiphenyl (Surr)	*37*		*33 - 150*	*10/15/25 13:29*	*10/16/25 01:46*	*1*

Client Sample ID: ORS
Lab Sample ID: 480-233448-11
Date Collected: 10/09/25 12:40
Matrix: Water
Date Received: 10/10/25 09:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/15/25 17:20	1
Toluene	ND		1.0	0.51	ug/L			10/15/25 17:20	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/15/25 17:20	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/15/25 17:20	1
o-Xylene	ND		1.0	0.76	ug/L			10/15/25 17:20	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/15/25 17:20	1
Total BTEX	ND		2.0	1.0	ug/L			10/15/25 17:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*80 - 120*		*10/15/25 17:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*		*10/15/25 17:20*	*1*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*		*10/15/25 17:20*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*10/15/25 17:20*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.050	0.014	ug/L		10/15/25 13:29	10/16/25 02:07	1
Acenaphthylene	ND		0.050	0.015	ug/L		10/15/25 13:29	10/16/25 02:07	1
Anthracene	ND		0.050	0.025	ug/L		10/15/25 13:29	10/16/25 02:07	1
Benzo[a]anthracene	ND		0.050	0.016	ug/L		10/15/25 13:29	10/16/25 02:07	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		10/15/25 13:29	10/16/25 02:07	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		10/15/25 13:29	10/16/25 02:07	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		10/15/25 13:29	10/16/25 02:07	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		10/15/25 13:29	10/16/25 02:07	1
Chrysene	ND		0.050	0.030	ug/L		10/15/25 13:29	10/16/25 02:07	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		10/15/25 13:29	10/16/25 02:07	1
Fluoranthene	ND		0.050	0.039	ug/L		10/15/25 13:29	10/16/25 02:07	1
Fluorene	ND		0.050	0.012	ug/L		10/15/25 13:29	10/16/25 02:07	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		10/15/25 13:29	10/16/25 02:07	1
Naphthalene	ND		0.20	0.12	ug/L		10/15/25 13:29	10/16/25 02:07	1
Phenanthrene	ND		0.050	0.022	ug/L		10/15/25 13:29	10/16/25 02:07	1
Pyrene	ND		0.050	0.031	ug/L		10/15/25 13:29	10/16/25 02:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*102*		*36 - 150*	*10/15/25 13:29*	*10/16/25 02:07*	*1*
2-Fluorobiphenyl (Surr)	*91*		*33 - 150*	*10/15/25 13:29*	*10/16/25 02:07*	*1*

Client Sample ID: MH-1
Lab Sample ID: 480-233448-12
Date Collected: 10/09/25 08:45
Matrix: Water
Date Received: 10/10/25 09:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**6.3**		1.0	0.41	ug/L			10/15/25 17:43	1
Toluene	ND		1.0	0.51	ug/L			10/15/25 17:43	1
Ethylbenzene	**0.94**	**J**	1.0	0.74	ug/L			10/15/25 17:43	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/15/25 17:43	1
o-Xylene	ND		1.0	0.76	ug/L			10/15/25 17:43	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/15/25 17:43	1
Total BTEX	**7.2**		2.0	1.0	ug/L			10/15/25 17:43	1

Client Sample ID: MH-1
Lab Sample ID: 480-233448-12
Date Collected: 10/09/25 08:45
Matrix: Water
Date Received: 10/10/25 09:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		80 - 120		10/15/25 17:43	1
1,2-Dichloroethane-d4 (Surr)	117		77 - 120		10/15/25 17:43	1
4-Bromofluorobenzene (Surr)	94		73 - 120		10/15/25 17:43	1
Dibromofluoromethane (Surr)	107		75 - 123		10/15/25 17:43	1

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.45**		0.050	0.014	ug/L		10/15/25 13:29	10/16/25 02:28	1
Acenaphthylene	**0.065**		0.050	0.015	ug/L		10/15/25 13:29	10/16/25 02:28	1
Anthracene	**0.050**		0.050	0.025	ug/L		10/15/25 13:29	10/16/25 02:28	1
Benzo[a]anthracene	ND		0.050	0.016	ug/L		10/15/25 13:29	10/16/25 02:28	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		10/15/25 13:29	10/16/25 02:28	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		10/15/25 13:29	10/16/25 02:28	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		10/15/25 13:29	10/16/25 02:28	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		10/15/25 13:29	10/16/25 02:28	1
Chrysene	ND		0.050	0.030	ug/L		10/15/25 13:29	10/16/25 02:28	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		10/15/25 13:29	10/16/25 02:28	1
Fluoranthene	**0.49**		0.050	0.039	ug/L		10/15/25 13:29	10/16/25 02:28	1
Fluorene	ND		0.050	0.012	ug/L		10/15/25 13:29	10/16/25 02:28	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		10/15/25 13:29	10/16/25 02:28	1
Naphthalene	ND		0.20	0.12	ug/L		10/15/25 13:29	10/16/25 02:28	1
Phenanthrene	ND		0.050	0.022	ug/L		10/15/25 13:29	10/16/25 02:28	1
Pyrene	**0.74**		0.050	0.031	ug/L		10/15/25 13:29	10/16/25 02:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	93		36 - 150	10/15/25 13:29	10/16/25 02:28	1
2-Fluorobiphenyl (Surr)	82		33 - 150	10/15/25 13:29	10/16/25 02:28	1

Client Sample ID: Field Duplicate
Lab Sample ID: 480-233448-13
Date Collected: 10/09/25 00:00
Matrix: Water
Date Received: 10/10/25 09:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/15/25 18:06	1
Toluene	ND		1.0	0.51	ug/L			10/15/25 18:06	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/15/25 18:06	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/15/25 18:06	1
o-Xylene	ND		1.0	0.76	ug/L			10/15/25 18:06	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/15/25 18:06	1
Total BTEX	ND		2.0	1.0	ug/L			10/15/25 18:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		80 - 120		10/15/25 18:06	1
1,2-Dichloroethane-d4 (Surr)	104		77 - 120		10/15/25 18:06	1
4-Bromofluorobenzene (Surr)	92		73 - 120		10/15/25 18:06	1
Dibromofluoromethane (Surr)	102		75 - 123		10/15/25 18:06	1

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.050	0.014	ug/L		10/15/25 13:29	10/16/25 02:49	1
Acenaphthylene	ND		0.050	0.015	ug/L		10/15/25 13:29	10/16/25 02:49	1

Client Sample ID: Field Duplicate
Lab Sample ID: 480-233448-13
Date Collected: 10/09/25 00:00
Matrix: Water
Date Received: 10/10/25 09:30

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		0.050	0.025	ug/L		10/15/25 13:29	10/16/25 02:49	1
Benzo[a]anthracene	ND		0.050	0.016	ug/L		10/15/25 13:29	10/16/25 02:49	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		10/15/25 13:29	10/16/25 02:49	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		10/15/25 13:29	10/16/25 02:49	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		10/15/25 13:29	10/16/25 02:49	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		10/15/25 13:29	10/16/25 02:49	1
Chrysene	ND		0.050	0.030	ug/L		10/15/25 13:29	10/16/25 02:49	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		10/15/25 13:29	10/16/25 02:49	1
Fluoranthene	ND		0.050	0.039	ug/L		10/15/25 13:29	10/16/25 02:49	1
Fluorene	ND		0.050	0.012	ug/L		10/15/25 13:29	10/16/25 02:49	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		10/15/25 13:29	10/16/25 02:49	1
Naphthalene	ND		0.20	0.12	ug/L		10/15/25 13:29	10/16/25 02:49	1
Phenanthrene	ND		0.050	0.022	ug/L		10/15/25 13:29	10/16/25 02:49	1
Pyrene	ND		0.050	0.031	ug/L		10/15/25 13:29	10/16/25 02:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*100*		*36 - 150*	*10/15/25 13:29*	*10/16/25 02:49*	*1*
2-Fluorobiphenyl (Surr)	*84*		*33 - 150*	*10/15/25 13:29*	*10/16/25 02:49*	*1*

Client Sample ID: MW-EPA-01R
Lab Sample ID: 480-233448-14
Date Collected: 10/09/25 13:10
Matrix: Water
Date Received: 10/10/25 09:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/15/25 18:29	1
Toluene	ND		1.0	0.51	ug/L			10/15/25 18:29	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/15/25 18:29	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/15/25 18:29	1
o-Xylene	ND		1.0	0.76	ug/L			10/15/25 18:29	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/15/25 18:29	1
Total BTEX	ND		2.0	1.0	ug/L			10/15/25 18:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*		*10/15/25 18:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*10/15/25 18:29*	*1*
4-Bromofluorobenzene (Surr)	*91*		*73 - 120*		*10/15/25 18:29*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*10/15/25 18:29*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.032**	**J**	0.050	0.014	ug/L		10/15/25 13:29	10/16/25 03:10	1
Acenaphthylene	ND		0.050	0.015	ug/L		10/15/25 13:29	10/16/25 03:10	1
Anthracene	ND		0.050	0.025	ug/L		10/15/25 13:29	10/16/25 03:10	1
Benzo[a]anthracene	ND		0.050	0.016	ug/L		10/15/25 13:29	10/16/25 03:10	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		10/15/25 13:29	10/16/25 03:10	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		10/15/25 13:29	10/16/25 03:10	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		10/15/25 13:29	10/16/25 03:10	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		10/15/25 13:29	10/16/25 03:10	1
Chrysene	ND		0.050	0.030	ug/L		10/15/25 13:29	10/16/25 03:10	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		10/15/25 13:29	10/16/25 03:10	1
Fluoranthene	ND		0.050	0.039	ug/L		10/15/25 13:29	10/16/25 03:10	1

Client Sample ID: MW-EPA-01R
Lab Sample ID: 480-233448-14
Date Collected: 10/09/25 13:10
Matrix: Water
Date Received: 10/10/25 09:30

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	ND		0.050	0.012	ug/L		10/15/25 13:29	10/16/25 03:10	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		10/15/25 13:29	10/16/25 03:10	1
Naphthalene	ND		0.20	0.12	ug/L		10/15/25 13:29	10/16/25 03:10	1
Phenanthrene	ND		0.050	0.022	ug/L		10/15/25 13:29	10/16/25 03:10	1
Pyrene	**0.072**		0.050	0.031	ug/L		10/15/25 13:29	10/16/25 03:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*88*		*36 - 150*	*10/15/25 13:29*	*10/16/25 03:10*	*1*
2-Fluorobiphenyl (Surr)	*73*		*33 - 150*	*10/15/25 13:29*	*10/16/25 03:10*	*1*

Client Sample ID: MW-EPA-03R
Lab Sample ID: 480-233448-15
Date Collected: 10/08/25 15:05
Matrix: Water
Date Received: 10/10/25 09:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/15/25 18:52	1
Toluene	ND		1.0	0.51	ug/L			10/15/25 18:52	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/15/25 18:52	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/15/25 18:52	1
o-Xylene	ND		1.0	0.76	ug/L			10/15/25 18:52	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/15/25 18:52	1
Total BTEX	ND		2.0	1.0	ug/L			10/15/25 18:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*80 - 120*		*10/15/25 18:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*116*		*77 - 120*		*10/15/25 18:52*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*10/15/25 18:52*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*10/15/25 18:52*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**2.1**		0.050	0.014	ug/L		10/15/25 13:29	10/16/25 03:31	1
Acenaphthylene	**2.5**		0.050	0.015	ug/L		10/15/25 13:29	10/16/25 03:31	1
Anthracene	ND		0.050	0.025	ug/L		10/15/25 13:29	10/16/25 03:31	1
Benzo[a]anthracene	ND		0.050	0.016	ug/L		10/15/25 13:29	10/16/25 03:31	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		10/15/25 13:29	10/16/25 03:31	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		10/15/25 13:29	10/16/25 03:31	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		10/15/25 13:29	10/16/25 03:31	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		10/15/25 13:29	10/16/25 03:31	1
Chrysene	ND		0.050	0.030	ug/L		10/15/25 13:29	10/16/25 03:31	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		10/15/25 13:29	10/16/25 03:31	1
Fluoranthene	ND		0.050	0.039	ug/L		10/15/25 13:29	10/16/25 03:31	1
Fluorene	**0.16**		0.050	0.012	ug/L		10/15/25 13:29	10/16/25 03:31	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		10/15/25 13:29	10/16/25 03:31	1
Naphthalene	**0.37**		0.20	0.12	ug/L		10/15/25 13:29	10/16/25 03:31	1
Phenanthrene	ND		0.050	0.022	ug/L		10/15/25 13:29	10/16/25 03:31	1
Pyrene	ND		0.050	0.031	ug/L		10/15/25 13:29	10/16/25 03:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*103*		*36 - 150*	*10/15/25 13:29*	*10/16/25 03:31*	*1*
2-Fluorobiphenyl (Surr)	*85*		*33 - 150*	*10/15/25 13:29*	*10/16/25 03:31*	*1*

Client: Groundwater & Environmental Services, Inc. Job ID: 480-233448-1

Client Sample ID: Trip Blank

Lab Sample ID: 480-233448-16

Date Collected: 10/09/25 00:00

Matrix: Water

Date Received: 10/10/25 09:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/15/25 19:15	1
Toluene	ND		1.0	0.51	ug/L			10/15/25 19:15	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/15/25 19:15	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/15/25 19:15	1
o-Xylene	ND		1.0	0.76	ug/L			10/15/25 19:15	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/15/25 19:15	1
Total BTEX	ND		2.0	1.0	ug/L			10/15/25 19:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*80 - 120*		*10/15/25 19:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*		*10/15/25 19:15*	*1*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*		*10/15/25 19:15*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*10/15/25 19:15*	*1*

Surrogate Summary

Client: Groundwater & Environmental Services, Inc. Job ID: 480-233448-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DCA	BFB	DBFM
Lab Sample ID	Client Sample ID	(80-120)	(77-120)	(73-120)	(75-123)
480-233448-1	LTMW-01	101	107	96	102
480-233448-2	LTMW-02	100	113	93	105
480-233448-3	LTMW-03	103	110	95	109
480-233448-4	LTMW-04	101	107	97	99
480-233448-4 MS	LTMW-04	106	108	98	103
480-233448-4 MSD	LTMW-04	104	100	98	101
480-233448-5	LTMW-05	101	110	95	103
480-233448-6	LTMW-06A	99	109	96	99
480-233448-7	LTMW-12	106	113	95	106
480-233448-8	LTMW-13	99	107	92	99
480-233448-9	LTMW-14	104	111	97	102
480-233448-10	LTMW-15	99	110	90	102
480-233448-11	ORS	102	111	93	106
480-233448-12	MH-1	101	117	94	107
480-233448-13	Field Duplicate	99	104	92	102
480-233448-14	MW-EPA-01R	98	105	91	99
480-233448-15	MW-EPA-03R	102	116	94	104
480-233448-16	Trip Blank	103	111	93	107
LCS 480-759664/6	Lab Control Sample	103	113	95	110
MB 480-759664/8	Method Blank	103	115	96	111

Surrogate Legend

TOL = Toluene-d8 (Surr)

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		NBZ	FBP
Lab Sample ID	Client Sample ID	(36-150)	(33-150)
480-233448-1	LTMW-01	95	81
480-233448-2	LTMW-02	93	76
480-233448-3	LTMW-03	96	79
480-233448-4	LTMW-04	88	75
480-233448-4 MS	LTMW-04	97	81
480-233448-4 MSD	LTMW-04	88	75
480-233448-5	LTMW-05	91	75
480-233448-6	LTMW-06A	94	77
480-233448-7	LTMW-12	96	80
480-233448-8	LTMW-13	102	81
480-233448-9	LTMW-14	98	83
480-233448-10	LTMW-15	45	37
480-233448-11	ORS	102	91
480-233448-12	MH-1	93	82
480-233448-13	Field Duplicate	100	84
480-233448-14	MW-EPA-01R	88	73
480-233448-15	MW-EPA-03R	103	85
LCS 460-1068511/2-A	Lab Control Sample	99	75

Surrogate Summary

Client: Groundwater & Environmental Services, Inc. Job ID: 480-233448-1

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
		NBZ	FBP								
Lab Sample ID	Client Sample ID	(36-150)	(33-150)								
LCSD 460-1068511/3-A	Lab Control Sample Dup	104	79								
MB 460-1068511/1-A	Method Blank	101	79								

Surrogate Legend

NBZ = Nitrobenzene-d5 (Surr)

FBP = 2-Fluorobiphenyl (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-759664/8
Matrix: Water
Analysis Batch: 759664

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/15/25 12:53	1
Toluene	ND		1.0	0.51	ug/L			10/15/25 12:53	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/15/25 12:53	1
m-Xylene & p-Xylene	ND		2.0	0.66	ug/L			10/15/25 12:53	1
o-Xylene	ND		1.0	0.76	ug/L			10/15/25 12:53	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/15/25 12:53	1
Total BTEX	ND		2.0	1.0	ug/L			10/15/25 12:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*80 - 120*		*10/15/25 12:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*115*		*77 - 120*		*10/15/25 12:53*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*10/15/25 12:53*	*1*
Dibromofluoromethane (Surr)	*111*		*75 - 123*		*10/15/25 12:53*	*1*

Lab Sample ID: LCS 480-759664/6
Matrix: Water
Analysis Batch: 759664

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	25.0	24.5		ug/L		98	71 - 124
Toluene	25.0	23.2		ug/L		93	80 - 122
Ethylbenzene	25.0	23.3		ug/L		93	77 - 123
m-Xylene & p-Xylene	25.0	22.9		ug/L		92	76 - 122
o-Xylene	25.0	23.1		ug/L		92	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*103*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*113*		*77 - 120*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*
Dibromofluoromethane (Surr)	*110*		*75 - 123*

Lab Sample ID: 480-233448-4 MS
Matrix: Water
Analysis Batch: 759664

Client Sample ID: LTMW-04
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	ND		25.0	26.2		ug/L		105	71 - 124
Toluene	ND		25.0	26.9		ug/L		107	80 - 122
Ethylbenzene	ND		25.0	27.8		ug/L		111	77 - 123
m-Xylene & p-Xylene	ND		25.0	25.9		ug/L		104	76 - 122
o-Xylene	ND		25.0	27.2		ug/L		109	76 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*106*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*
Dibromofluoromethane (Surr)	*103*		*75 - 123*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-233448-4 MSD **Client Sample ID: LTMW-04**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 759664

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		25.0	27.2		ug/L		109	71 - 124	4	13
Toluene	ND		25.0	28.4		ug/L		114	80 - 122	6	15
Ethylbenzene	ND		25.0	29.4		ug/L		118	77 - 123	6	15
m-Xylene & p-Xylene	ND		25.0	27.9		ug/L		112	76 - 122	7	16
o-Xylene	ND		25.0	28.7		ug/L		115	76 - 122	5	16

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*104*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*
Dibromofluoromethane (Surr)	*101*		*75 - 123*

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Lab Sample ID: MB 460-1068511/1-A **Client Sample ID: Method Blank**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 1068569 **Prep Batch: 1068511**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.050	0.014	ug/L		10/15/25 13:27	10/15/25 20:30	1
Acenaphthylene	ND		0.050	0.015	ug/L		10/15/25 13:27	10/15/25 20:30	1
Anthracene	ND		0.050	0.025	ug/L		10/15/25 13:27	10/15/25 20:30	1
Benzo[a]anthracene	ND		0.050	0.016	ug/L		10/15/25 13:27	10/15/25 20:30	1
Benzo[a]pyrene	ND		0.050	0.022	ug/L		10/15/25 13:27	10/15/25 20:30	1
Benzo[b]fluoranthene	ND		0.050	0.024	ug/L		10/15/25 13:27	10/15/25 20:30	1
Benzo[g,h,i]perylene	ND		0.050	0.035	ug/L		10/15/25 13:27	10/15/25 20:30	1
Benzo[k]fluoranthene	ND		0.050	0.028	ug/L		10/15/25 13:27	10/15/25 20:30	1
Chrysene	ND		0.050	0.030	ug/L		10/15/25 13:27	10/15/25 20:30	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		10/15/25 13:27	10/15/25 20:30	1
Fluoranthene	ND		0.050	0.039	ug/L		10/15/25 13:27	10/15/25 20:30	1
Fluorene	ND		0.050	0.012	ug/L		10/15/25 13:27	10/15/25 20:30	1
Indeno[1,2,3-cd]pyrene	ND		0.050	0.036	ug/L		10/15/25 13:27	10/15/25 20:30	1
Naphthalene	ND		0.20	0.12	ug/L		10/15/25 13:27	10/15/25 20:30	1
Phenanthrene	ND		0.050	0.022	ug/L		10/15/25 13:27	10/15/25 20:30	1
Pyrene	ND		0.050	0.031	ug/L		10/15/25 13:27	10/15/25 20:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*101*		*36 - 150*	*10/15/25 13:27*	*10/15/25 20:30*	*1*
2-Fluorobiphenyl (Surr)	*79*		*33 - 150*	*10/15/25 13:27*	*10/15/25 20:30*	*1*

Lab Sample ID: LCS 460-1068511/2-A **Client Sample ID: Lab Control Sample**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 1068569 **Prep Batch: 1068511**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	2.00	1.51		ug/L		76	42 - 150
Acenaphthylene	2.00	1.69		ug/L		84	22 - 150
Anthracene	2.00	2.04		ug/L		102	22 - 150
Benzo[a]anthracene	2.00	2.23		ug/L		111	47 - 150

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: LCS 460-1068511/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 1068569 — **Prep Batch: 1068511**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzo[a]pyrene	2.00	2.30		ug/L		115	34 - 150
Benzo[b]fluoranthene	2.00	2.15		ug/L		108	33 - 150
Benzo[g,h,i]perylene	2.00	2.11		ug/L		105	19 - 150
Benzo[k]fluoranthene	2.00	2.64		ug/L		132	30 - 150
Chrysene	2.00	2.38		ug/L		119	47 - 150
Dibenz(a,h)anthracene	2.00	1.77		ug/L		88	12 - 150
Fluoranthene	2.00	2.31		ug/L		115	36 - 150
Fluorene	2.00	1.87		ug/L		94	24 - 150
Indeno[1,2,3-cd]pyrene	2.00	1.70		ug/L		85	14 - 134
Naphthalene	2.00	1.36		ug/L		68	41 - 147
Phenanthrene	2.00	1.86		ug/L		93	13 - 150
Pyrene	2.00	2.51		ug/L		125	46 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*99*		*36 - 150*
2-Fluorobiphenyl (Surr)	*75*		*33 - 150*

Lab Sample ID: LCSD 460-1068511/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 1068569 — **Prep Batch: 1068511**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	2.00	1.60		ug/L		80	42 - 150	6	30
Acenaphthylene	2.00	1.73		ug/L		87	22 - 150	3	30
Anthracene	2.00	2.10		ug/L		105	22 - 150	3	30
Benzo[a]anthracene	2.00	2.16		ug/L		108	47 - 150	3	30
Benzo[a]pyrene	2.00	2.27		ug/L		113	34 - 150	1	30
Benzo[b]fluoranthene	2.00	2.10		ug/L		105	33 - 150	2	30
Benzo[g,h,i]perylene	2.00	2.13		ug/L		106	19 - 150	1	30
Benzo[k]fluoranthene	2.00	2.52		ug/L		126	30 - 150	5	30
Chrysene	2.00	2.23		ug/L		111	47 - 150	7	30
Dibenz(a,h)anthracene	2.00	1.83		ug/L		92	12 - 150	4	30
Fluoranthene	2.00	2.19		ug/L		109	36 - 150	5	30
Fluorene	2.00	1.91		ug/L		96	24 - 150	2	30
Indeno[1,2,3-cd]pyrene	2.00	1.76		ug/L		88	14 - 134	3	30
Naphthalene	2.00	1.36		ug/L		68	41 - 147	0	30
Phenanthrene	2.00	1.92		ug/L		96	13 - 150	3	30
Pyrene	2.00	2.41		ug/L		120	46 - 150	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*104*		*36 - 150*
2-Fluorobiphenyl (Surr)	*79*		*33 - 150*

Lab Sample ID: 480-233448-4 MS — **Client Sample ID: LTMW-04**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 1068569 — **Prep Batch: 1068511**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	ND		2.00	1.55		ug/L		78	42 - 150

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: 480-233448-4 MS **Client Sample ID: LTMW-04**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 1068569 **Prep Batch: 1068511**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthylene	ND		2.00	1.70		ug/L		85	22 - 150
Anthracene	ND		2.00	2.11		ug/L		105	22 - 150
Benzo[a]anthracene	ND		2.00	1.93		ug/L		96	47 - 150
Benzo[a]pyrene	ND		2.00	1.69		ug/L		85	34 - 150
Benzo[b]fluoranthene	ND		2.00	1.71		ug/L		86	33 - 150
Benzo[g,h,i]perylene	ND		2.00	1.32		ug/L		66	19 - 150
Benzo[k]fluoranthene	ND		2.00	1.90		ug/L		95	30 - 150
Chrysene	ND		2.00	1.88		ug/L		94	47 - 150
Dibenz(a,h)anthracene	ND		2.00	0.965		ug/L		48	12 - 150
Fluoranthene	ND		2.00	2.13		ug/L		107	36 - 150
Fluorene	ND		2.00	1.86		ug/L		93	24 - 150
Indeno[1,2,3-cd]pyrene	ND		2.00	1.08		ug/L		54	14 - 134
Naphthalene	ND		2.00	1.37		ug/L		69	41 - 147
Phenanthrene	ND		2.00	1.87		ug/L		94	13 - 150
Pyrene	ND		2.00	2.32		ug/L		116	46 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*97*		*36 - 150*
2-Fluorobiphenyl (Surr)	*81*		*33 - 150*

Lab Sample ID: 480-233448-4 MSD **Client Sample ID: LTMW-04**
Matrix: Water **Prep Type: Total/NA**
Analysis Batch: 1068569 **Prep Batch: 1068511**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	ND		2.00	1.47		ug/L		73	42 - 150	6	30
Acenaphthylene	ND		2.00	1.65		ug/L		82	22 - 150	3	30
Anthracene	ND		2.00	1.97		ug/L		98	22 - 150	7	30
Benzo[a]anthracene	ND		2.00	1.79		ug/L		89	47 - 150	8	30
Benzo[a]pyrene	ND		2.00	1.52		ug/L		76	34 - 150	11	30
Benzo[b]fluoranthene	ND		2.00	1.47		ug/L		74	33 - 150	15	30
Benzo[g,h,i]perylene	ND		2.00	1.15		ug/L		57	19 - 150	14	30
Benzo[k]fluoranthene	ND		2.00	1.69		ug/L		85	30 - 150	11	30
Chrysene	ND		2.00	1.78		ug/L		89	47 - 150	5	30
Dibenz(a,h)anthracene	ND		2.00	0.825		ug/L		41	12 - 150	16	30
Fluoranthene	ND		2.00	1.92		ug/L		96	36 - 150	11	30
Fluorene	ND		2.00	1.79		ug/L		89	24 - 150	4	30
Indeno[1,2,3-cd]pyrene	ND		2.00	0.924		ug/L		46	14 - 134	16	30
Naphthalene	ND		2.00	1.38		ug/L		69	41 - 147	0	30
Phenanthrene	ND		2.00	1.69		ug/L		85	13 - 150	10	30
Pyrene	ND		2.00	2.15		ug/L		108	46 - 150	8	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*88*		*36 - 150*
2-Fluorobiphenyl (Surr)	*75*		*33 - 150*

GC/MS VOA

Analysis Batch: 759664

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-233448-1	LTMW-01	Total/NA	Water	8260C	
480-233448-2	LTMW-02	Total/NA	Water	8260C	
480-233448-3	LTMW-03	Total/NA	Water	8260C	
480-233448-4	LTMW-04	Total/NA	Water	8260C	
480-233448-5	LTMW-05	Total/NA	Water	8260C	
480-233448-6	LTMW-06A	Total/NA	Water	8260C	
480-233448-7	LTMW-12	Total/NA	Water	8260C	
480-233448-8	LTMW-13	Total/NA	Water	8260C	
480-233448-9	LTMW-14	Total/NA	Water	8260C	
480-233448-10	LTMW-15	Total/NA	Water	8260C	
480-233448-11	ORS	Total/NA	Water	8260C	
480-233448-12	MH-1	Total/NA	Water	8260C	
480-233448-13	Field Duplicate	Total/NA	Water	8260C	
480-233448-14	MW-EPA-01R	Total/NA	Water	8260C	
480-233448-15	MW-EPA-03R	Total/NA	Water	8260C	
480-233448-16	Trip Blank	Total/NA	Water	8260C	
MB 480-759664/8	Method Blank	Total/NA	Water	8260C	
LCS 480-759664/6	Lab Control Sample	Total/NA	Water	8260C	
480-233448-4 MS	LTMW-04	Total/NA	Water	8260C	
480-233448-4 MSD	LTMW-04	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 1068511

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-233448-1	LTMW-01	Total/NA	Water	3510C	
480-233448-2	LTMW-02	Total/NA	Water	3510C	
480-233448-3	LTMW-03	Total/NA	Water	3510C	
480-233448-4	LTMW-04	Total/NA	Water	3510C	
480-233448-5	LTMW-05	Total/NA	Water	3510C	
480-233448-6	LTMW-06A	Total/NA	Water	3510C	
480-233448-7	LTMW-12	Total/NA	Water	3510C	
480-233448-8	LTMW-13	Total/NA	Water	3510C	
480-233448-9	LTMW-14	Total/NA	Water	3510C	
480-233448-10	LTMW-15	Total/NA	Water	3510C	
480-233448-11	ORS	Total/NA	Water	3510C	
480-233448-12	MH-1	Total/NA	Water	3510C	
480-233448-13	Field Duplicate	Total/NA	Water	3510C	
480-233448-14	MW-EPA-01R	Total/NA	Water	3510C	
480-233448-15	MW-EPA-03R	Total/NA	Water	3510C	
MB 460-1068511/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-1068511/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-1068511/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
480-233448-4 MS	LTMW-04	Total/NA	Water	3510C	
480-233448-4 MSD	LTMW-04	Total/NA	Water	3510C	

Analysis Batch: 1068569

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-233448-1	LTMW-01	Total/NA	Water	8270E SIM	1068511
480-233448-2	LTMW-02	Total/NA	Water	8270E SIM	1068511
480-233448-3	LTMW-03	Total/NA	Water	8270E SIM	1068511
480-233448-4	LTMW-04	Total/NA	Water	8270E SIM	1068511

GC/MS Semi VOA (Continued)

Analysis Batch: 1068569 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-233448-5	LTMW-05	Total/NA	Water	8270E SIM	1068511
480-233448-6	LTMW-06A	Total/NA	Water	8270E SIM	1068511
480-233448-7	LTMW-12	Total/NA	Water	8270E SIM	1068511
480-233448-8	LTMW-13	Total/NA	Water	8270E SIM	1068511
480-233448-9	LTMW-14	Total/NA	Water	8270E SIM	1068511
480-233448-10	LTMW-15	Total/NA	Water	8270E SIM	1068511
480-233448-11	ORS	Total/NA	Water	8270E SIM	1068511
480-233448-12	MH-1	Total/NA	Water	8270E SIM	1068511
480-233448-13	Field Duplicate	Total/NA	Water	8270E SIM	1068511
480-233448-14	MW-EPA-01R	Total/NA	Water	8270E SIM	1068511
480-233448-15	MW-EPA-03R	Total/NA	Water	8270E SIM	1068511
MB 460-1068511/1-A	Method Blank	Total/NA	Water	8270E SIM	1068511
LCS 460-1068511/2-A	Lab Control Sample	Total/NA	Water	8270E SIM	1068511
LCSD 460-1068511/3-A	Lab Control Sample Dup	Total/NA	Water	8270E SIM	1068511
480-233448-4 MS	LTMW-04	Total/NA	Water	8270E SIM	1068511
480-233448-4 MSD	LTMW-04	Total/NA	Water	8270E SIM	1068511

Lab Chronicle

Client Sample ID: LTMW-01
Lab Sample ID: 480-233448-1
Date Collected: 10/09/25 12:45
Matrix: Water
Date Received: 10/10/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	759664	ATG	EET BUF	10/15/25 13:28
Total/NA	Prep	3510C			1068511	SXS	EET EDI	10/15/25 13:29
Total/NA	Analysis	8270E SIM		1	1068569	MME	EET EDI	10/15/25 22:58

Client Sample ID: LTMW-02
Lab Sample ID: 480-233448-2
Date Collected: 10/09/25 12:20
Matrix: Water
Date Received: 10/10/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	759664	ATG	EET BUF	10/15/25 13:52
Total/NA	Prep	3510C			1068511	SXS	EET EDI	10/15/25 13:29
Total/NA	Analysis	8270E SIM		1	1068569	MME	EET EDI	10/15/25 23:19

Client Sample ID: LTMW-03
Lab Sample ID: 480-233448-3
Date Collected: 10/09/25 11:35
Matrix: Water
Date Received: 10/10/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	759664	ATG	EET BUF	10/15/25 14:15
Total/NA	Prep	3510C			1068511	SXS	EET EDI	10/15/25 13:29
Total/NA	Analysis	8270E SIM		1	1068569	MME	EET EDI	10/15/25 23:40

Client Sample ID: LTMW-04
Lab Sample ID: 480-233448-4
Date Collected: 10/09/25 10:25
Matrix: Water
Date Received: 10/10/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	759664	ATG	EET BUF	10/15/25 14:38
Total/NA	Prep	3510C			1068511	SXS	EET EDI	10/15/25 13:29
Total/NA	Analysis	8270E SIM		1	1068569	MME	EET EDI	10/15/25 21:34

Client Sample ID: LTMW-05
Lab Sample ID: 480-233448-5
Date Collected: 10/09/25 09:30
Matrix: Water
Date Received: 10/10/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	759664	ATG	EET BUF	10/15/25 15:01
Total/NA	Prep	3510C			1068511	SXS	EET EDI	10/15/25 13:29
Total/NA	Analysis	8270E SIM		1	1068569	MME	EET EDI	10/16/25 00:02

Client Sample ID: LTMW-06A
Lab Sample ID: 480-233448-6
Date Collected: 10/09/25 11:00
Matrix: Water
Date Received: 10/10/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	759664	ATG	EET BUF	10/15/25 15:24

Lab Chronicle

Client Sample ID: LTMW-06A
Lab Sample ID: 480-233448-6
Date Collected: 10/09/25 11:00
Matrix: Water
Date Received: 10/10/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			1068511	SXS	EET EDI	10/15/25 13:29
Total/NA	Analysis	8270E SIM		1	1068569	MME	EET EDI	10/16/25 00:23

Client Sample ID: LTMW-12
Lab Sample ID: 480-233448-7
Date Collected: 10/08/25 16:10
Matrix: Water
Date Received: 10/10/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	759664	ATG	EET BUF	10/15/25 15:47
Total/NA	Prep	3510C			1068511	SXS	EET EDI	10/15/25 13:29
Total/NA	Analysis	8270E SIM		1	1068569	MME	EET EDI	10/16/25 00:43

Client Sample ID: LTMW-13
Lab Sample ID: 480-233448-8
Date Collected: 10/08/25 17:30
Matrix: Water
Date Received: 10/10/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	759664	ATG	EET BUF	10/15/25 16:10
Total/NA	Prep	3510C			1068511	SXS	EET EDI	10/15/25 13:29
Total/NA	Analysis	8270E SIM		1	1068569	MME	EET EDI	10/16/25 01:04

Client Sample ID: LTMW-14
Lab Sample ID: 480-233448-9
Date Collected: 10/09/25 11:45
Matrix: Water
Date Received: 10/10/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	759664	ATG	EET BUF	10/15/25 16:33
Total/NA	Prep	3510C			1068511	SXS	EET EDI	10/15/25 13:29
Total/NA	Analysis	8270E SIM		1	1068569	MME	EET EDI	10/16/25 01:25

Client Sample ID: LTMW-15
Lab Sample ID: 480-233448-10
Date Collected: 10/09/25 09:55
Matrix: Water
Date Received: 10/10/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	759664	ATG	EET BUF	10/15/25 16:56
Total/NA	Prep	3510C			1068511	SXS	EET EDI	10/15/25 13:29
Total/NA	Analysis	8270E SIM		1	1068569	MME	EET EDI	10/16/25 01:46

Client Sample ID: ORS
Lab Sample ID: 480-233448-11
Date Collected: 10/09/25 12:40
Matrix: Water
Date Received: 10/10/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	759664	ATG	EET BUF	10/15/25 17:20
Total/NA	Prep	3510C			1068511	SXS	EET EDI	10/15/25 13:29
Total/NA	Analysis	8270E SIM		1	1068569	MME	EET EDI	10/16/25 02:07

Lab Chronicle

Client Sample ID: MH-1
Lab Sample ID: 480-233448-12
Date Collected: 10/09/25 08:45
Matrix: Water
Date Received: 10/10/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	759664	ATG	EET BUF	10/15/25 17:43
Total/NA	Prep	3510C			1068511	SXS	EET EDI	10/15/25 13:29
Total/NA	Analysis	8270E SIM		1	1068569	MME	EET EDI	10/16/25 02:28

Client Sample ID: Field Duplicate
Lab Sample ID: 480-233448-13
Date Collected: 10/09/25 00:00
Matrix: Water
Date Received: 10/10/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	759664	ATG	EET BUF	10/15/25 18:06
Total/NA	Prep	3510C			1068511	SXS	EET EDI	10/15/25 13:29
Total/NA	Analysis	8270E SIM		1	1068569	MME	EET EDI	10/16/25 02:49

Client Sample ID: MW-EPA-01R
Lab Sample ID: 480-233448-14
Date Collected: 10/09/25 13:10
Matrix: Water
Date Received: 10/10/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	759664	ATG	EET BUF	10/15/25 18:29
Total/NA	Prep	3510C			1068511	SXS	EET EDI	10/15/25 13:29
Total/NA	Analysis	8270E SIM		1	1068569	MME	EET EDI	10/16/25 03:10

Client Sample ID: MW-EPA-03R
Lab Sample ID: 480-233448-15
Date Collected: 10/08/25 15:05
Matrix: Water
Date Received: 10/10/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	759664	ATG	EET BUF	10/15/25 18:52
Total/NA	Prep	3510C			1068511	SXS	EET EDI	10/15/25 13:29
Total/NA	Analysis	8270E SIM		1	1068569	MME	EET EDI	10/16/25 03:31

Client Sample ID: Trip Blank
Lab Sample ID: 480-233448-16
Date Collected: 10/09/25 00:00
Matrix: Water
Date Received: 10/10/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	759664	ATG	EET BUF	10/15/25 19:15

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: Groundwater & Environmental Services, Inc. Job ID: 480-233448-1

Laboratory: Eurofins Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260C		Water	Total BTEX

Laboratory: Eurofins Edison

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Connecticut	State	PH-0818	09-30-26
DE Haz. Subst. Cleanup Act (HSCA)	State	N/A	01-03-26
Illinois	NELAP	2000942025-2	04-30-26
Massachusetts	State	M-NJ312	06-30-26
New Jersey	NELAP	12028	06-30-26
New York	NELAP	11452	04-01-26
Pennsylvania	NELAP	68-00522	02-28-26
Rhode Island	State	LAO00376	12-23-25
USDA	US Federal Programs	525-24-149-77606	05-21-27

Method Summary

Client: Groundwater & Environmental Services, Inc. Job ID: 480-233448-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
8270E SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	EET EDI
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET EDI
5030C	Purge and Trap	SW846	EET BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: Groundwater & Environmental Services, Inc. Job ID: 480-233448-1
Project/Site:

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
480-233448-1	LTMW-01	Water	10/09/25 12:45	10/10/25 09:30	New York
480-233448-2	LTMW-02	Water	10/09/25 12:20	10/10/25 09:30	New York
480-233448-3	LTMW-03	Water	10/09/25 11:35	10/10/25 09:30	New York
480-233448-4	LTMW-04	Water	10/09/25 10:25	10/10/25 09:30	New York
480-233448-5	LTMW-05	Water	10/09/25 09:30	10/10/25 09:30	New York
480-233448-6	LTMW-06A	Water	10/09/25 11:00	10/10/25 09:30	New York
480-233448-7	LTMW-12	Water	10/08/25 16:10	10/10/25 09:30	New York
480-233448-8	LTMW-13	Water	10/08/25 17:30	10/10/25 09:30	New York
480-233448-9	LTMW-14	Water	10/09/25 11:45	10/10/25 09:30	New York
480-233448-10	LTMW-15	Water	10/09/25 09:55	10/10/25 09:30	New York
480-233448-11	ORS	Water	10/09/25 12:40	10/10/25 09:30	New York
480-233448-12	MH-1	Water	10/09/25 08:45	10/10/25 09:30	New York
480-233448-13	Field Duplicate	Water	10/09/25 00:00	10/10/25 09:30	New York
480-233448-14	MW-EPA-01R	Water	10/09/25 13:10	10/10/25 09:30	New York
480-233448-15	MW-EPA-03R	Water	10/08/25 15:05	10/10/25 09:30	New York
480-233448-16	Trip Blank	Water	10/09/25 00:00	10/10/25 09:30	New York

10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Phone (716) 691-7991

Chain of Custody Record

Syracuse # 225

eurofins | Environment Testing

Client Information	Sampler: Kenny	Lab PM: Beninati, John	Carrier Tracking No(s):	COC No: 480-203393-40374.1
Client Contact: Tim Beaumont	Phone: 315 877 1365	E-Mail: John.Beninati@et.eurofinsus.com	State of Origin:	Page: Page 1 of 2
Company: Groundwater & Environmental Services Inc	PWSID:	Analysis Requested		Job #:
Address: 6780 Northern Boulevard Suite 100	Due Date Requested:			Preservation Codes: A - HCL, N - None
City: East Syracuse	TAT Requested (days):			
State, Zip: NY, 13057	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 0625050-120788-221-1106			
Email: tbeaumont@gesonline.com	WO #:			
Project Name: Saratoga Quarterly Main Site GW Event Desc: Saratoga Main Site	Project #: 48027231			
Site: Saratoga Quarterly Main Site GWS	SSOW#:			Other:

480-233448 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - BTEX - 8260	8270E_SIM - PAH Semivolatiles	Total Number of con	Special Instructions/Note:
			Preservation Code:				A	N		
LTMW-01	10/9/25	12:45	G	Water			2	3	5	
LTMW-02	10/9/25	12:20	G	Water			2	3	5	
LTMW-03	10/9/25	11:35	G	Water			2	3	5	
LTMW-04	10/9/25	10:25	G	Water			2	3	5	
LTMW-04-MS	10/9/25	10:25	G	Water			2	3	5	
LTMW-04-MSD	10/9/25	10:25	G	Water			2	3	5	
LTMW-05	10/9/25	09:30	G	Water			2	3	5	
LTMW-06A	10/9/25	11:10	G	Water			2	3	5	
LTMW-12	10/8/25	16:10	G	Water			2	3	5	
LTMW-13	10/8/25	17:30	G	Water			2	3	5	
LTMW-14	10/9/25	11:45	G	Water			2	3	5	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) CAT B DELIVERY

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature] OES	10/9/25 1615		[signature]	10/9/25 1615	
[signature]	10/9/25 1900		Gwalbe	10/10/25 0830	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
					GUNO

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3.0, 2.7, 3.5, 4.1

Ver: 05/06/2024

10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Phone (716) 691-7991

Chain of Custody Record

Syracuse # 225

eurofins | Environment Testing

Client Information	Sampler:	Lab PM: Beninati, John	Carrier Tracking No(s):	COC No: 480-203393-40374.2
Client Contact: Tim Beaumont	Phone: 315 977 1364	E-Mail: John.Beninati@et.eurofinsus.com	State of Origin:	Page: Page 2 of 2
Company: Groundwater & Environmental Services Inc	PWSID:	Analysis Requested		Job #:
Address: 6780 Northern Boulevard Suite 100	Due Date Requested:			Preservation Codes: A - HCL N - None
City: East Syracuse	TAT Requested (days):			
State, Zip: NY, 13057	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 0625050-120788-221-1106			
Email: tbeaumont@gesonline.com	WO #:			
Project Name: Saratoga Quarterly Main Site GW Event Desc: Saratoga Main Site	Project #: 48027231			Other:
Site: Saratoga Quarterly Main Site GWS	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - BTEX - 8260	8270E_SIM - PAH Semivolatiles	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	N		
LTMW-15	10/9/25	0955	G	Water			3	2	5	
ORS	10/9/25	12:40	G	Water			3	2	5	
MH-1	10/9/25	0845	G	Water			3	2	5	
Field Duplicate	10/9/25		G	Water			3	2	5	
MW-EPA-01R	10/9/25	13:10	G	Water			3	2	5	
MW-EPA-03R	10/9/25	15:05	G	Water			3	2	5	
Trip Blank				Water				2	2	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) CAT B DELIVERY

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	[signature] GES	10/9/25 1615		[signature]	10/10/25 815	
2	[signature]	10/10/25 1000		[signature]	10/10/25 0930	EUROFINS
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 05/06/2024

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins
Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Beninati, John	Carrier Tracking No(s): N/A	COC No: 480-95307 1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: John.Beninati@et.eurofinsus.com	State of Origin: New York	Page: Page 1 of 2
Company: Eurofins Environment Testing Northeast L		Accreditations Required (See note): NELAP New York		Job #: 480-233448-1
Address: 777 New Durham Road,	Due Date Requested: 10/23/2025			Preservation Codes:
City: Edison	TAT Requested (days): N/A			
State, Zip: NJ, 08817				
Phone: 732-549-3900(Tel) 732-549-3679(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: National Grid Upstate New York OM&M	Project #: 48027231			
Site: National Grid Upstate NY OM&M	SSOW#: N/A			Other: N/A

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270E_SIM/3510C_LVIPAH SemiVolatiles	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
LTMW-01 (480-233448-1)	10/9/25	12:45 Eastern	G	Water			X	2	
LTMW-02 (480-233448-2)	10/9/25	12:20 Eastern	G	Water			X	2	
LTMW-03 (480-233448-3)	10/9/25	11:35 Eastern	G	Water			X	2	
LTMW-04 (480-233448-4)	10/9/25	10:25 Eastern	G	Water			X	2	
LTMW-04 (480-233448-4MS)	10/9/25	10:25 Eastern	G	Water			X	2	
LTMW-04 (480-233448-4MSD)	10/9/25	10:25 Eastern	G	Water			X	2	
LTMW-05 (480-233448-5)	10/9/25	09:30 Eastern	G	Water			X	2	
LTMW-06A (480-233448-6)	10/9/25	11:00 Eastern	G	Water			X	2	
LTMW-12 (480-233448-7)	10/8/25	16:10 Eastern	G	Water			X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I II, III IV Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
VP	10-10-25 1600		Emily Mafu	10/11/25 0934	ETA
Relinquished by:	Date/Time:	Company	Received by: FEDEX	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No. 2879025	Cooler Temperature(s) °C and Other Remarks: TR#9 38135

Ver: 10/10/2024

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691 7991

Chain of Custody Record

eurofins
Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Beninati, John	Carrier Tracking No(s): N/A	COC No: 480-95307.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: John.Beninati@et.eurofinsus.com	State of Origin: New York	Page: Page 2 of 2
Company: Eurofins Environment Testing Northeast L		Accreditations Required (See note): NELAP New York		Job #: 480-233448-1
Address: 777 New Durham Road,	Due Date Requested: 10/23/2025			Preservation Codes:
City: Edison	TAT Requested (days): N/A			
State, Zip: NJ, 08817				
Phone: 732-549-3900(Tel) 732-549-3679(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: National Grid Upstate New York OM&M	Project #: 48027231			
Site: National Grid Upstate NY OM&M	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270E_SIM/3510C_LVIPAH Semivolatiles	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
LTMW-13 (480-233448-8)	10/8/25	17:30 Eastern	G	Water			X	2	
LTMW-14 (480-233448-9)	10/9/25	11:45 Eastern	G	Water			X	2	
LTMW-15 (480-233448-10)	10/9/25	09:55 Eastern	G	Water			X	2	
ORS (480-233448-11)	10/9/25	12:40 Eastern	G	Water			X	2	
MH-1 (480-233448-12)	10/9/25	08:45 Eastern	G	Water			X	2	
Field Duplicate (480-233448-13)	10/9/25	Eastern	G	Water			X	2	
MW-EPA-01R (480-233448-14)	10/9/25	13:10 Eastern	G	Water			X	2	
MW-EPA-03R (480-233448-15)	10/8/25	15:05 Eastern	G	Water			X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I II III, IV Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
			Ernesto Rivera	10/10/25 09:34	ET
Relinquished by:	Date/Time:	Company	Received by: FEDEX	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No. 2979025	Cooler Temperature(s) °C and Other Remarks:

10/17/2025

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services, Inc.

Job Number: 480-233448-1

Login Number: 233448
List Number: 1
Creator: Yeager, Brian A

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.0,2.7,3.5,4.1 ICE IR# SC
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	GES
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services, Inc.

Job Number: 480-233448-1

Login Number: 233448
List Number: 2
Creator: Rivera, Kenneth

List Source: Eurofins Edison
List Creation: 10/14/25 06:06 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	2879025
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.5°C, IR #9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ARCADIS

National Grid

Data Usability Summary Report

Saratoga Springs, New York

Volatile Organic Compounds (VOCs), Semivolatile Organic Compounds (SVOCs), Dissolved Gases (DG), Total Petroleum Hydrocarbons (TPH), Metals and Miscellaneous Analyses

SDG # JE21034

Analyses Performed By:
SGS Laboratories
Dayton, New Jersey

Report #62789R
Review Level: Tier III
Project: 30003945.00024

Summary

This Data Usability Summary Report (DUSR) summarizes the review of Sample Delivery Groups (SDG) # JE21034 for samples collected in association with the National Grid Saratoga Springs Site. The review was conducted as a Tier III evaluation and included review of data package completeness. Only analytical data associated with constituents of concern were reviewed for this validation. Field documentation was not included in this review. Included with this assessment are the validation annotated sample result sheets, and chain of custody. Analyses were performed on the following samples:

Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	Analysis					
					VOC	SVOC	DG	TPH	MET	MISC
MW-EPA-09 10102025	JE21034-1	Water	10/10/2025		X	X	X	X	X	X
MW-EPA-10 10102025	JE21034-3	Water	10/10/2025		X	X				
MW-SS-09-07 10102025	JE21034-4	Water	10/10/2025		X	X				
MW-EPA-02R 10102025	JE21034-5	Water	10/10/2025		X	X				
MW-ORS-01 10102025	JE21034-6	Water	10/10/2025		X	X	X	X	X	X
MW-EPA-06 10102025	JE21034-7	Water	10/10/2025		X	X				
MW-SS-09-06 10102025	JE21034-8	Water	10/10/2025		X	X				

Notes:
VOC = volatile organic compounds.
SVOC = semi volatile organic compounds.
DG = dissolved gases (includes methane).
TPH = total petroleum hydrocarbons (includes Diesel Range Organics [DRO] and Gasoline Range Organics [GRO]).
MET = metals.
MISC = miscellaneous analysis includes total organic carbon, alkalinity, Nitrite-N, Nitrate-N, nitrogen, nitrate + nitrite, total kjeldahl nitrogen, sulfate, and sulfide.

Analytical Data Package Documentation

The table below evaluates the data package completeness.

Items Reviewed	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Sample receipt condition		X		X	
2. Requested analyses and sample results		X		X	
3. Master tracking list		X		X	
4. Methods of analysis		X		X	
5. Reporting limits		X		X	
6. Sample collection date		X		X	
7. Laboratory sample received date		X		X	
8. Sample preservation verification (as applicable)		X		X	
9. Sample preparation/extraction/analysis dates		X		X	
10. Fully executed chain-of-custody form		X		X	
11. Narrative summary of QA or sample problems provided		X		X	
12. Data package completeness and compliance		X		X	

Note:
QA = quality assurance

Organic Analysis Introduction

Analyses were performed according to United States Environmental Protection Agency (USEPA) SW-846 Methods 8260D, 8270E by Selected Ion Monitoring (SIM), 8015D and RSK-175. Data were reviewed in accordance with the USEPA National Functional Guidelines for Organic Superfund Methods Data Review (November 2020); USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999), and applicable Region II SOPs were followed for qualification purposes.

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with USEPA National Functional Guidelines:

Concentration (C) Qualifiers

- U The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
- B The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.

Quantitation (Q) Qualifiers

- E The compound was quantitated above the calibration range.
- D Concentration is based on a diluted sample analysis.

Validation Qualifiers

- J The compound was positively identified; however, the associated numerical value is an estimated concentration only.
- UJ The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.
- JN The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification. The associated numerical value is an estimated concentration only.
- UB Compound is considered non-detect at the listed value due to associated blank contamination.
- N The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification.
- R The sample results are rejected.

The "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second

fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

Volatile Organic Compound (VOC) Analyses

1. Holding Times

The specified holding times for the following methods are presented in the table below.

Method	Matrix	Holding Time	Preservation
SW-846 8260D	Water	14 days from collection to analysis (preserved) 7 days from collection to analysis (non-preserved)	Cool to <6 °C; preserved to a pH of less than 2 s.u.

Note:
s.u. = standard units

All samples were analyzed within the specified holding time criteria.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compounds were not detected above the MDL in the associated blanks; therefore, detected sample results were not associated with blank contamination.

3. Mass Spectrometer Tuning

Mass spectrometer performance was acceptable and all analyses were performed within a 12-hour tune clock.

System performance and column resolution were acceptable.

4. Calibration

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

The method specifies percent relative standard deviation (%RSD) and relative response factor (RRF) limits for select compounds only. A technical review of the data applies limits to all compounds with no exceptions.

All target compounds associated with the initial calibration standards must exhibit a %RSD less than the control limit (20%) or a correlation coefficient greater than 0.99 and an RRF value greater than control limit (0.05).

4.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit (20%) and RRF value greater than control limit (0.05).

All compounds associated with the calibrations were within the specified control limits.

5. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. VOC analysis requires that all surrogates associated with the analysis exhibit recoveries within the laboratory-established acceptance limits.

All surrogate recoveries were within control limits.

6. Internal Standard Performance

Internal standard performance criteria ensure that the GC/MS sensitivity and response are stable during every sample analysis. The criteria require the internal standard compounds associated with the VOC exhibit area counts that are not greater than two times (+100%) or less than one-half (-50%) of the area counts of the associated continuing calibration standard.

All internal standard responses were within control limits.

7. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

The MS/MSD analysis was performed on sample MW-ORS-01 10102025. MS/MSD analysis exhibited acceptable recoveries and RPDs.

8. Laboratory Control Sample (LCS) Analysis

The LCS analysis is used to assess the accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

All compounds associated with the LCS analysis exhibited recoveries within the control limits.

9. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 30% for water matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water matrices.

A field duplicate sample was not collected for the samples from this SDG.

10. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

Data Validation Checklist for VOCs

VOCs: SW-846 8260D	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment blanks	X				X
C. Trip blanks	X				X
Laboratory Control Sample (LCS) %R		X		X	
Laboratory Control Sample Duplicate (LCSD) %R	X				X
LCS/LCSD Precision (RPD)	X				X
Matrix Spike (MS) %R		X		X	
Matrix Spike Duplicate (MSD) %R		X		X	
MS/MSD Precision (RPD)		X		X	
Field/Lab Duplicate (RPD)	X				X
Surrogate Spike Recoveries		X		X	
Dilution Factor		X		X	
Moisture Content	X				X
Tier III Validation					
System performance and column resolution		X		X	
Initial calibration %RSDs		X		X	
Initial and Continuing calibration RRFs		X		X	
Initial and Continuing calibration verification %Ds		X		X	
Internal standard		X		X	
Reporting limits adjusted to reflect sample dilutions		X		X	

Notes:
%RSD = relative standard deviation
%R = percent recovery
RPD = relative percent difference
%D = percent difference

Semivolatile Organic Compound (SVOC) Analyses

1. Holding Times

The specified holding times for the following methods are presented in the table below.

Method	Matrix	Holding Time	Preservation
SW-846 8270E-SIM	Water	7 days from collection to extraction and 40 days from extraction to analysis	Cool to <6 °C

All samples were analyzed within the specified holding time criteria.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

All compounds associated with the QA blanks exhibited a concentration less than the MDL, with the exception of the compounds listed in the following table. Sample results associated with QA blank contamination that were greater than the BAL resulted in the removal of the laboratory qualifier (B) of data. Sample results less than the BAL associated with the following sample locations were qualified as listed in the following table.

Sample IDs	Compounds	Sample Result	Qualification
MW-EPA-10 10102025	Benzo(b)fluoranthene (MB)	Detected sample results <RL and <BAL	"UB" at the RL
MW-SS-09-06 10102025	Benzo(a)pyrene (MB)	Detected sample results >RL and <BAL	"UB" at detected sample concentration
	Benzo(b)fluoranthene (MB)		

Notes:
RL = reporting limit
MB = method blank

3. Mass Spectrometer Tuning

Mass spectrometer performance was acceptable and all analyses were performed within a 12-hour tune clock.

System performance and column resolution were acceptable.

4. Calibration

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

The method specifies percent relative standard deviation (%RSD) and relative response factor (RRF) limits for select compounds only. A technical review of the data applies limits to all compounds with no exceptions.

All target compounds associated with the initial calibration standards must exhibit a %RSD less than the control limit (20%) or a correlation coefficient greater than 0.99 and an RRF value greater than control limit (0.05).

4.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit (20%) and RRF value greater than control limit (0.05).

All compounds associated with the calibrations were within the specified control limits, with the exception of the compounds presented in the following table.

Sample IDs	Initial/Continuing	Compounds	%D
MW-EPA-10 10102025 MW-EPA-02R 10102025 MW-EPA-06 10102025 MW-SS-09-06 10102025	CCV %D	Acenaphthene	-24.2%
MW-SS-09-07 10102025	CCV %D	Benzo[a]anthracene	+28.7%

The criteria used to evaluate the initial and continuing calibration are presented in the following table. In the case of a calibration deviation, the sample results are qualified.

Initial/Continuing	Criteria	Sample Result	Qualification
Initial and Continuing Calibration	RRF <0.05	Non-detect	R
		Detect	J
	RRF <0.01[1]	Non-detect	R
		Detect	J
	RRF >0.05 or RRF >0.01[1]	Non-detect	No Action
		Detect	
Initial Calibration	%RSD > 20% or a correlation coefficient <0.99	Non-detect	UJ

Initial/Continuing	Criteria	Sample Result	Qualification
		Detect	J
	%RSD >90%	Non-detect	R
		Detect	J
Initial and Continuing Calibration Verification	%D >20% (Decrease in sensitivity)	Non-detect	UJ
		Detect	J
	%D >20% (Increase in sensitivity)	Non-detect	UJ
		Detect	J
	%D >90% (increase/decrease in sensitivity)	Non-detect	R
		Detect	J

Note:

[1] RRF of 0.01 only applies to compounds which are typically poor responding compounds (i.e., ketones, 1,4-dioxane, etc.)

5. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. SVOC analysis requires that two of the three SVOC surrogate compounds within each fraction exhibit recoveries within the laboratory-established acceptance limits.

All surrogate recoveries were within control limits.

6. Internal Standard Performance

Internal standard performance criteria ensure that the GC/MS sensitivity and response are stable during every sample analysis. The criteria require the internal standard compounds associated with the SVOC exhibit area counts that are not greater than two times (+100%) or less than one-half (-50%) of the area counts of the associated continuing calibration standard.

All internal standard responses were within control limits.

7. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

The MS/MSD analysis was not performed on samples from this SDG.

8. Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) Analysis

The LCS/LCSD analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS/LCSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

All compounds associated with the LCS/LCSD analysis exhibited recoveries within the control limits with the exceptions noted below.

Sample IDs	Compound	LCS Recovery	LCSD Recovery
MW-EPA-09 10102025 MW-ORS-01 10102025	Naphthalene	AC	> UL

The criteria used to evaluate the LCS/LCSD recoveries are presented in the following table. In the case of an LCS/LCSD deviation, the sample results are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
> the upper control limit (UL)	Non-detect	No Action
	Detect	J
< the lower control limit (LL) but > 10%	Non-detect	UJ
	Detect	J
< 10%	Non-detect	R
	Detect	J

Sample locations associated with LCS/LCSD recoveries exhibiting an RPD greater than of the control limit presented in the following table.

Sample IDs	Compound
MW-EPA-09 10102025 MW-ORS-01 10102025	Naphthalene

The criteria used to evaluate the RPD between the LCS/LCSD recoveries are presented in the following table. In the case of an RPD deviation, the sample results are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
> UL	Non-detect	UJ
	Detect	J

9. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 30% for water matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water matrices.

A field duplicate sample was not collected for the samples from this SDG.

10. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

Data Validation Checklist for SVOCs

SVOCs: SW-846 8270E-SIM	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X	X		
B. Equipment blanks	X				X
Laboratory Control Sample (LCS) %R		X		X	
Laboratory Control Sample Duplicate (LCSD) %R		X	X		
LCS/LCSD Precision (RPD)		X	X		
Matrix Spike (MS) %R	X				X
Matrix Spike Duplicate (MSD) %R	X				X
MS/MSD Precision (RPD)	X				X
Field/Lab Duplicate (RPD)	X				X
Surrogate Spike Recoveries		X		X	
Dilution Factor		X		X	
Moisture Content	X				X
Tier III Validation					
System performance and column resolution		X		X	
Initial calibration %RSDs		X		X	
Initial and Continuing calibration RRFs		X		X	
Initial and Continuing calibration verification %Ds		X	X		
Internal standard		X		X	
Reporting limits adjusted to reflect sample dilutions		X		X	

Notes:
%RSD = relative standard deviation
%R= percent recovery
RPD = relative percent difference
%D = percent difference

Dissolved Gases Analyses

1. Holding Times/ Preservation

The specified holding times for the following methods are presented in the table below.

Method	Matrix	Holding Time	Preservation
RSK-175	Water	14 days from collection to analysis (preserved) 7 days from collection to analysis (Unpreserved)	Cool to <6 °C; preserved to a pH of less than 2 s.u.

Note:
s.u. = standard units

All samples were analyzed within the specified holding time with the exceptions noted below.

Sample ID	Actual Holding Time	Criteria
MW-EPA-09 10102025	12 days from collection to analysis	7 days from collection to analysis (Unpreserved)

Sample results associated with sample locations analyzed by analytical method RSK-175 were qualified, as specified in the table below. All other holding times were met.

Criteria	Qualification	
	Detected Analytes	Non-detect Analytes
Analysis completed less than two times holding time	J	UJ
Analysis completed greater than two times holding time	J	R

As per the laboratory case narrative sample MW-ORS-01 10102025 was received with bubble present in headspace. Hence, the sample results are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
Bubbles in VOC vials > 6 mm	Non-detect	UJ
	Detect	J

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compounds were not detected above the MDL in the associated blanks; therefore, detected sample results were not associated with blank contamination.

3. Calibration

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

3.1 Initial Calibration

The method specifies percent relative standard deviation (%RSD) and relative response factor (RRF) limits for select compounds only. A technical review of the data applies limits to all compounds with no exceptions.

All target compounds associated with the initial calibration standards must exhibit a %RSD less than the control limit (20%) or a correlation coefficient greater than 0.99 and an RRF value greater than control limit (0.05).

3.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit (20%) and RRF value greater than control limit (0.05).

All compounds associated with the calibrations were within the specified control limits.

4. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

The MS/MSD analysis was not performed on samples from this SDG.

5. Laboratory Duplicate Analysis

The laboratory duplicate relative percent difference (RPD) criterion is applied when parent and duplicate sample concentrations are greater than or equal to five times the reporting limit (RL). A control limit of 20% for water matrices is applied when the criteria above is true. In the instance when the parent and/or duplicate sample

concentrations are less than or equal to five times the RL, a control limit of one times the RL is applied for water matrices.

The laboratory duplicate analysis was not performed on samples from this SDG.

6. Laboratory Control Sample (LCS) Analysis

The LCS analysis is used to assess the accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

All compounds associated with the LCS analysis exhibited recoveries within the control limits.

7. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 30% for water matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water matrices.

A field duplicate sample was not collected for the samples from this SDG.

8. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

Data Validation Checklist for Dissolved Gases

Dissolved Gases: RSK-175	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/FLAME IONIZATION DETECTOR (GC/FID)					
Tier II Validation					
Holding times / Preservation		X	X		
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment blanks	X				X
Laboratory Control Sample (LCS) %R		X		X	
Laboratory Control Sample Duplicate (LCSD) %R	X				X
LCS/LCSD Precision (RPD)	X				X
Matrix Spike (MS) %R	X				X
Matrix Spike Duplicate (MSD) %R	X				X
MS/MSD Precision (RPD)	X				X
Field/Lab Duplicate (RPD)	X				X
Dilution Factor		X		X	
Moisture Content	X				X
Tier III Validation					
Initial calibration %RSD		X		X	
Initial and Continuing calibration RRFs		X		X	
Initial and Continuing calibration verification %Ds		X		X	
Reporting limits adjusted to reflect sample dilutions		X		X	

Notes:
%RSD= relative standard deviation
%R = percent recovery
RPD = relative percent difference
%D = percent difference

Gasoline/Diesel Range Organics (GRO/DRO) Analyses

1. Holding Times

The specified holding times for the following methods are presented in the table below.

Method	Matrix	Holding Time	Preservation
TPH Diesel Range Organics (DRO) by SW-846 8015D	Water	7 days from collection to extraction; 40 days from extraction to analysis	Cool to <6 °C
TPH Gasoline Range Organics (GRO) by SW-846 8015D	Water	14 days from collection to analysis	Cool to <6 °C; preserved to a pH of less than 2 s.u

Note:
s.u. = standard units

All samples were analyzed within the specified holding time criteria.

Note: Two sample results for DRO analysis are reported; samples with an “A” suffix attached to the sample ID were analyzed with an additional silica gel cleanup process.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compounds were not detected above the MDL in the associated blanks; therefore, detected sample results were not associated with blank contamination.

3. Calibration

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

3.1 Initial Calibration

The method specifies percent relative standard deviation (%RSD) and relative response factor (RRF) limits for select compounds only. A technical review of the data applies limits to all compounds with no exceptions.

All target compounds associated with the initial calibration standards must exhibit a %RSD less than the control limit (20%) or a correlation coefficient greater than 0.99.

3.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit 20%.

All compounds associated with the calibrations were within the specified control limits.

4. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. The analysis requires that all surrogates associated with the analysis exhibit recoveries within the laboratory-established acceptance limits.

All surrogate recoveries were within control limits.

5. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

The MS/MSD analysis was not performed on samples from this SDG.

6. Laboratory Duplicate Analysis

The laboratory duplicate relative percent difference (RPD) criterion is applied when parent and duplicate sample concentrations are greater than or equal to five times the reporting limit (RL). A control limit of 20% for water matrices is applied when the criteria above is true. In the instance when the parent and/or duplicate sample concentrations are less than or equal to five times the RL, a control limit of one times the RL is applied for water matrices.

The laboratory duplicate analysis was not performed on samples from this SDG.

7. Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) Analysis

The LCS/LCSD analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS/LCSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

All compounds associated with the LCS/LCSD analysis exhibited recoveries within the control limits.

8. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 30% for water matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water.

A field duplicate sample was not collected for the samples from this SDG.

9. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

Data Validation Checklist for GRO/DRO

GRO/DRO: EPA 8015D	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY (GC/FID)					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment blanks	X				X
Laboratory Control Sample (LCS) %R		X		X	
Laboratory Control Sample Duplicate (LCSD) %R	X				X
LCS/LCSD Precision (RPD)	X				X
Matrix Spike (MS) %R	X				X
Matrix Spike Duplicate (MSD) %R	X				X
MS/MSD Precision (RPD)	X				X
Field/Lab Duplicate (RPD)	X				X
Surrogate Spike Recoveries		X		X	
Dilution Factor		X		X	
Moisture Content	X				X
Tier III Validation					
Initial calibration %RSD or correlation coefficient		X		X	
Initial and Continuing calibration verification %Ds		X		X	
Reporting limits adjusted to reflect sample dilutions		X		X	

Notes:
%RSD = relative standard deviation
%R = percent recovery
RPD = relative percent difference
%D = percent difference

Inorganic Analysis Introduction

Analyses were performed according to United States Environmental Protection Agency (USEPA) SW-846 Method 6010D, 353.2, 351.2, 300.0, Standard Methods 2320B, 4500NO2 B, 4500S2-F and 5310B. Data were reviewed in accordance with the Data were reviewed in accordance with USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review, EPA 542-R-20-006, November 2020 (with reference to the historical USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review, EPA 540-R-04-004, October 2004), as appropriate; and associated USEPA Region II guidelines.

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and that it was already subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with the USEPA National Functional Guidelines:

- Concentration (C) Qualifiers
  - U The analyte was analyzed for but not detected. The associated value is the analyte instrument detection limit.
  - J The reported value was obtained from a reading less than the reporting limit (RL), but greater than or equal to the method detection limit (MDL).
- Quantitation (Q) Qualifiers
  - E The reported value is estimated due to the presence of interference.
  - N Spiked sample recovery is not within control limits.
  - * Duplicate analysis is not within control limits.
- Validation Qualifiers
  - J The analyte was positively identified; however, the associated numerical value is an estimated concentration only.
  - UJ The analyte was not detected above the reporting limit. However, the reported limit is approximate and may or may not represent the actual limit of detection.
  - UB Analyte considered non-detect at the listed value due to associated blank contamination.
  - R The sample results are rejected.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

Metals Analyses

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
SW-846 6010D	Water	180 days from collection to analysis	Preserved to a pH of less than 2.

All samples were analyzed within the specified holding time criteria.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Analytes were not detected above the MDL in the associated blanks; therefore, detected sample results were not associated with blank contamination.

3. Calibration

Satisfactory instrument calibration is established to provide that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument's continuing performance is satisfactory.

3.1 Initial Calibration and Continuing Calibration

The correct number and type of standards were analyzed. The correlation coefficient of the initial calibration was greater than 0.995 for all non-ICP analytes and all initial calibration verification standard recoveries were within control limits.

All initial and continuing calibration verification standard recoveries were within the control limit.

3.2 RL Check Standard

The RL check standard serves to verify the linearity of calibration of the analysis at the reporting limit. The RL standard is not required for the analysis of iron (Fe), magnesium (Mg) and sodium (Na). The criteria used to evaluate the RL standard analysis are presented below in the RL standards evaluation table (if applicable).

All RL standard recoveries were within control limits.

3.3 ICP Interference Control Sample (ICS)

The ICS verifies the laboratories interelement and background correction factors.

All ICS exhibited recoveries within the control limits.

4. Matrix Spike/Matrix Spike Duplicate (MS/MSD)/Laboratory Duplicate Analysis

MS/MSD and laboratory duplicate data are used to assess the precision and accuracy of the analytical method.

4.1 MS/MSD Analysis

All metal analytes must exhibit a percent recovery within the established acceptance limits of 75% to 125%. The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the analyte's concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater. In instance where this is true, the data will not be qualified even if the percent recovery does not meet the control limits and the laboratory flag will be removed.

The MS/MSD analysis was not performed on samples from this SDG.

4.2 Laboratory Duplicate Analysis

The laboratory duplicate relative percent difference (RPD) criterion is applied when parent and duplicate sample concentrations are greater than or equal to 5 times the RL. A control limit of 20% for water matrices is applied when the criteria above is true. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water matrices.

The Laboratory duplicate analysis was not performed on samples from this SDG.

5. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 30% for water matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water matrices.

A field duplicate sample was not collected for the samples from this SDG.

6. Laboratory Control Sample (LCS) Analysis

The LCS analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The analytes associated with the LCS analysis must exhibit a percent recovery between the control limits of 80% and 120%.

The LCS analysis exhibited recoveries within the control limits.

7. Serial Dilution

The serial dilution analysis is used to assess if a significant physical or chemical interference exists due to sample matrix. Analytes exhibiting concentrations greater than 50 times the MDL in the undiluted sample are evaluated to determine if matrix interference exists. These analytes are required to have less than a 10% difference (%D) between sample results from the undiluted (parent) sample and results associated with the same sample analyzed with a five-fold dilution.

The serial dilution analysis was not performed on samples from this SDG.

8. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

Data Validation Checklist for Metals

METALS: SW-846 6010D	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
Inductively Coupled Plasma-Atomic Emission Spectrometry (ICP-AES)					
Tier II Validation					
Holding Times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Instrument Blanks		X		X	
B. Method Blanks		X		X	
C. Equipment/Field Blanks	X				X
Laboratory Control Sample (LCS) %R		X		X	
Matrix Spike (MS) %R	X				X
Matrix Spike Duplicate (MSD) %R	X				X
MS/MSD Precision (RPD)	X				X
Field/Lab Duplicate (RPD)	X				X
ICP Serial Dilution %D	X				X
Reporting Limit Verification		X		X	
Tier III Validation					
Initial Calibration Verification		X		X	
Continuing Calibration Verification		X		X	
CRDL Standard Recovery		X		X	
ICP Interference Check		X		X	
Reporting limits adjusted to reflect sample dilutions		X		X	

Notes:
%R = percent recovery
RPD = relative percent difference
%D = percent difference

General Chemistry Analyses

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
Total Organic Carbon by SM5310B	Water	28 days from collection to analysis	Cool to <6 °C; preserved to a pH of less than 2.
Alkalinity, Total as CaCO3 by SM 2320B	Water	14 days from collection to analysis	Cool to <6 °C.
Nitrogen, Nitrite by SM4500NO2 B	Water	48 hours from collection to analysis	Cool to <6 °C.
Nitrogen nitrate by EPA 353.2 / SM4500N02B	Water	Calculation	NA
Nitrogen, Nitrate + Nitrite by EPA 353.2	Water	28 days from collection to analysis	Cool to <6 °C; preserved to a pH of less than 2.
Total Kjeldahl Nitrogen by EPA 351.2	Water	28 days from collection to analysis	Cool to <6 °C; preserved to a pH of less than 2.
Sulfate by EPA 300	Water	28 days from collection to analysis	Cool to <6 °C.
Sulfide by SM4500S2-F	Water	7 days from collection to analysis	Zinc acetate; preserved to a pH of greater than 9

Note:
NA = not applicable

All samples were analyzed within the specified holding time criteria, with the exceptions noted below.

Sample IDs	Analyte	Actual Holding Time	Criteria
MW-EPA-09 10102025 MW-ORS-01 10102025	Nitrogen, Nitrite	>96 hours from collection to analysis	<48 hours from collection to analysis

Sample results associated with sample locations analyzed by analytical method SM4500NO2 B were qualified, as specified in the table below.

Criteria	Qualification	
	Detected Analytes	Non-detect Analytes
Analysis completed less than two times holding time	J	UJ
Analysis completed greater than two times holding time	J	R

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Analytes were detected in the associated QA blanks; however, the associated sample results were greater than the BAL. No other qualification of the sample results was required.

3. Calibration

Satisfactory instrument calibration is established to provide that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument's continuing performance is satisfactory.

3.1 Initial Calibration and Continuing Calibration

The correct number and type of standards were analyzed. The correlation coefficient of the initial calibration was greater than 0.995 for all non-ICP analytes and all initial calibration verification standard recoveries were within control limits.

All initial and continuing calibration verification standard recoveries were within the control limit.

4. Matrix Spike(MS)/Matrix Spike Duplicate (MSD)/Laboratory Duplicate Analysis

MS/MSD and laboratory duplicate data are used to assess the precision and accuracy of the analytical method.

4.1 MS/MSD Analysis

All analytes must exhibit a percent recovery within the established acceptance limits of 75% to 125%. The MS recovery control limits do not apply for MS/MSD performed on sample locations where the analyte's concentration detected in the parent sample exceeds the MS concentration by a factor of four or greater. In instance where this is true, the data will not be qualified even if the percent recovery does not meet the control limits and the laboratory flag will be removed.

The MS analysis for sulfide and MS/MSD analysis for total organic carbon was performed on sample MW-EPA-09 10102025. The MS/ MSD analysis exhibited acceptable recoveries and RPDs.

4.2 Laboratory Duplicate Analysis

The laboratory duplicate relative percent difference (RPD) criterion is applied when parent and duplicate sample concentrations are greater than or equal to 5 times the RL. A control limit of 20% for water

matrices is applied when the criteria above is true. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of one time the RL is applied for water matrices.

The Laboratory duplicate analysis was performed on sample MW-EPA-09 10102025 for alkalinity, total as CaCO3 and on sample MW-ORS-01 10102025 for sulfide analysis. The laboratory duplicate analysis exhibited acceptable RPDs.

5. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 30% for water matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water.

A field duplicate sample was not collected for the samples from this SDG.

6. Laboratory Control Sample (LCS) Analysis

The LCS analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The analytes associated with the LCS analysis must exhibit a percent recovery between the control limits of 80% and 120%.

The LCS analysis exhibited recoveries within the control limits.

7. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

Data Validation Checklist for General Chemistry

General Chemistry: Various Methods	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
Miscellaneous Instrumentation					
Tier II Validation					
Holding Times		X	X		
Reporting limits (units)		X		X	
Blanks					
A. Instrument Blanks		X		X	
B. Method Blanks		X	X		
C. Equipment/Field Blanks	X				X
Laboratory Control Sample (LCS) %R		X		X	
Matrix Spike (MS) %R		X		X	
Matrix Spike Duplicate (MSD) %R		X		X	
MS/MSD Precision (RPD)		X		X	
Field/Lab Duplicate (RPD)		X		X	
Tier III Validation					
Initial Calibration Verification		X		X	
Continuing Calibration Verification		X		X	
Reporting limits adjusted to reflect sample dilutions		X		X	

Notes:
%R = percent recovery
RPD = relative percent difference

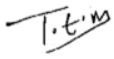
SAMPLE COMPLIANCE REPORT

Sample Delivery Group (SDG)	Sampling Date	Protocol	Sample ID	Matrix	Compliancy[1]						Noncompliance
					VOC	SVOC	TPH	DG	MET	MISC	
JE21034	10/10/2025	SW846/USEPA	MW-EPA-09 10102025	Water	Yes	No	Yes	No	Yes	No	SVOC: LCSD RPD DG: Holding times Misc (Nitrogen, Nitrite): Holding time
	10/10/2025	SW846/USEPA	MW-EPA-10 10102025	Water	Yes	No	--	--	--	--	SVOC: Blank contamination, CCV %D
	10/10/2025	SW846/USEPA	MW-SS-09-07 10102025	Water	Yes	No	--	--	--	--	SVOC: CCV %D
	10/10/2025	SW846/USEPA	MW-EPA-02R 10102025	Water	Yes	No	--	--	--	--	SVOC: CCV %D
	10/10/2025	SW846/USEPA	MW-ORS-01 10102025	Water	Yes	No	Yes	No	Yes	No	SVOC: LCSD RPD DG: Preservation Misc (Nitrogen, Nitrite): Holding time
	10/10/2025	SW846/USEPA	MW-EPA-06 10102025	Water	Yes	No	--	--	--	--	SVOC: CCV %D
	10/10/2025	SW846/USEPA	MW-SS-09-06 10102025	Water	Yes	No	--	--	--	--	SVOC: Blank contamination, CCV %D

Note:

1 Samples which are compliant with no added validation qualifiers are listed as "yes". Samples which are non-compliant or which have added qualifiers are listed as "no". A "no" designation does not necessarily indicate that the data have been rejected or are otherwise unusable.

VALIDATION PERFORMED BY: Tyson Tellis

SIGNATURE: 

DATE: January 23, 2026

PEER REVIEW: Joseph C. Houser

DATE: January 24, 2026

Chain of Custody Corrected Sample Analysis Data Sheets

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200
www.sgs.com/ehsusa

Page 1 of 2

FEDEX Tracking #: 7392 7981 0000 — Bottle Order Control #: LM-10325-69
SGS Quote #: — SGS Job #: JE21034

Client / Reporting Information

Company Name: Arcadis
Street Address: 646 Plank Rd. Suite 100
City: Clifton — State: Park — Zip: NJ 12046
Project Contact: Matt Hysell — E-mail: matt.hysell@arcadis.com
Phone #: 315-671-9189
Sampler(s) Name(s): KK/AF — Phone #:

Project Information

Project Name: NG Saratoga
Street:
City: — State:
Project #: 30003945
Client Purchase Order #:
Project Manager: Matt Hysell
Attention:

Billing Information (if different from Report to)

Company Name:
Street Address:
City: — State: — Zip:

Analysis Requested

Matrix Codes
DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED - Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB - Field Blank
EB-Equipment Blank
RB - Rinse Blank
TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	BTEX	PAHs (SIM)	Iron and Manganese	Sulfate	Sulfide	TPH DRO	SGC TPH DRO	TPH GRO	Alkalinity	TKN	Nitrate	pH Check (Lab Use Only)	LAB USE ONLY
1	MW-EPA-09 10102025		10/10/25	10:20	KK/AF	G		W	24									X	X	X	X	X	X	X	X	X	X	X	
2	MSD 10092025		10/9/25	14:30	KK/AF	G		W	24									X	X	X	X	X	X	X	X	X	X	X	
3	MW-EPA-10 10102025		10/10/25	08:35	KK/AF	G		W	5									X	X										
4	MW-SS-09-09 10102025		10/10/25	12:00	KK/AF	G		W	5									X	X										
5	MW-EPA-02R 10102025		10/10/25	13:30	KK/AF	G		W	5									X	X										
6	MW-ORS-01 10102025		10/10/25	10:05	KK/AF	G		W	24									X	X	X	X	X	X	X	X	X	X	X	
7	MW-EPA-06 10102025		10/10/25	14:15	KK/AF	G		W	5									X	X										
8	MW-SS-09-06 10102025		10/10/25	15:10	KK/AF	G		W	5									X	X										

Initial Assessment 3/8
Label Verification

Turn Around Time (Business Days)

Approved By (SGS PM) / Date:

- [ ] 10 Business Days
- [ ] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other

All data available via SGS Engage — * Approval needed for 1-3 BD TAT

Deliverable

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NJGW Criteria 2025 *new*
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] MA MCP Criteria
- [ ] CT RCP Criteria
- [ ] State Forms
- [ ] EDD Format

8270 LVI

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Lab to run both TPH DRO and SGC TPH DRO

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished By:	Date / Time:	Received By:
1		10/10/25 1600	FED EX
2	FED EX	10/11 10:20	
3			
4			
5			

Custody Seal # — ☐ Intact ☐ Not Intact ☐ Absent

Therm ID: — See Sample Receipt Summary — On Ice — Cooler Temp. °C: 2.0 1.8

Ref No: G14

5.1 5

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL 732-329-0200
www.sgs.com/ehsusa

FED-EX Tracking # | Bottle Order Control #
SGS Quote # | SGS Job # JE21034

Client / Reporting Information

Company Name: Arcadis
Street Address: 646 Flank Rd Suite 100
City: Clifton Park State: NY Zip: 12046
Project Contact: Matt Hysell E-mail: matt.hysell@arcadis.com
Phone #: 315-671-9189
Sampler(s) Name(s): KK/AF Phone #

Project Information

Project Name: NG Saratoga
Street
City State
Project #: 30003945
Client Purchase Order #
Project Manager: Matt Hysell

Billing Information (if different from Report to)

Company Name:
Street Address
City State Zip
Attention:

Analysis Requested

TOC
Methane

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED - Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB - Field Blank
EB-Equipment Blank
RB - Rinse Blank
TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	EnCore	pH Check (Lab Use Only)		LAB USE ONLY
2	MSD 10092025		10/9/25	14:30	KK/AF	G		W	24									X	X	
1	MW-EPA-09 10102025		10/10/25	10:10	KK/AF	G		W	24									X	X	
6	MW-ORS-01 10102025		10/10/25	10:05	KK/AF	G		W	24									X	X	

Turn Around Time (Business Days)

Approved By (SGS PM) / Date:

- [X] 10 Business Days
- [ ] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other

All data available via SGS Engage | * Approval needed for 1-3 BD TAT

Deliverable

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NJGW Criteria 2025 *new*
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] MA MCP Criteria ____
- [ ] CT RCP Criteria ____
- [ ] State Forms
- [ ] EDD Format ____

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished By:	Date / Time:	Received By:
1	KK/AF	10/10/25	FED EX
2	FED EX	10/11 10:00	
3			
4			
5			

Custody Seal # ☐ Intact ☐ Not Intact ☐ Absent
Therm ID: On Ice Cooler Temp. °C
See Sample Receipt Summary

Ref No: G140222989

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-EPA-09 10102025		
Lab Sample ID:	JE21034-1	**Date Sampled:**	10/10/25
Matrix:	AQ - Water	**Date Received:**	10/11/25
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1K25227.D	1	10/18/25 04:24	ED	n/a	n/a	V1K694
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.50	0.43	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		80-120%
17060-07-0	1,2-Dichloroethane-D4	87%		80-120%
2037-26-5	Toluene-D8	98%		80-120%
460-00-4	4-Bromofluorobenzene	90%		82-114%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-EPA-09 10102025		
Lab Sample ID:	JE21034-1	**Date Sampled:**	10/10/25
Matrix:	AQ - Water	**Date Received:**	10/11/25
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CS9121.D	1	10/18/25 19:13	RS	10/17/25 07:45	OP68253A	ECS470
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.402	0.080	0.040	ug/l	
208-96-8	Acenaphthylene	ND	0.080	0.040	ug/l	
120-12-7	Anthracene	0.0531	0.080	0.040	ug/l	J
56-55-3	Benzo(a)anthracene	0.0297	0.040	0.024	ug/l	J
50-32-8	Benzo(a)pyrene	0.0244	0.040	0.024	ug/l	J
205-99-2	Benzo(b)fluoranthene	0.0343	0.040	0.024	ug/l	J
191-24-2	Benzo(g,h,i)perylene	ND	0.080	0.040	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.080	0.040	ug/l	
218-01-9	Chrysene	ND	0.080	0.040	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.080	0.040	ug/l	
206-44-0	Fluoranthene	0.103	0.080	0.040	ug/l	
86-73-7	Fluorene	ND	0.080	0.040	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.080	0.040	ug/l	
91-20-3	Naphthalene	ND UJ	0.080	0.040	ug/l	
85-01-8	Phenanthrene	0.0929	0.080	0.040	ug/l	
129-00-0	Pyrene	0.0981	0.080	0.040	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	64%		29-124%
321-60-8	2-Fluorobiphenyl	68%		23-122%
1718-51-0	Terphenyl-d14	65%		22-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: MW-EPA-09 10102025
Lab Sample ID: JE21034-1
Matrix: AQ - Water
Method: SW846 8015D
Project: Saratoga Springs, NY

Date Sampled: 10/10/25
Date Received: 10/11/25
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KM14258.D	1	10/21/25 13:05	JN	n/a	n/a	GKM598
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.11	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	87%		63-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-EPA-09 10102025		
Lab Sample ID:	JE21034-1	**Date Sampled:**	10/10/25
Matrix:	AQ - Water	**Date Received:**	10/11/25
Method:	RSK-175	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	AA118157.D	1	10/22/25 10:27	WC	n/a	n/a	GAA3393
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	52.8 J	0.11	0.080	ug/l	

(a) (pH= 6)Sample pH did not satisfy field preservation criteria.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-EPA-09 10102025		
Lab Sample ID:	JE21034-1	**Date Sampled:**	10/10/25
Matrix:	AQ - Water	**Date Received:**	10/11/25
Method:	SW846 8015D SW846 3511	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Y97105.D	1	10/18/25 22:35	RK	10/17/25 15:00	OP68257	G3Y3747
Run #2							

	Initial Volume	Final Volume
Run #1	47.2 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.085	0.041	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	111%		70-130%
438-22-2	5a-Androstane	105%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-EPA-09 10102025
Lab Sample ID: JE21034-1
Matrix: AQ - Water
Project: Saratoga Springs, NY

Date Sampled: 10/10/25
Date Received: 10/11/25
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	1260	100	ug/l	1	10/20/25	10/21/25	MM	SW846 6010D [1]	SW846 3010A [2]
Manganese	325	15	ug/l	1	10/20/25	10/21/25	MM	SW846 6010D [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA59588
(2) Prep QC Batch: MP58085

RL = Reporting Limit

Report of Analysis

Client Sample ID: MW-EPA-09 10102025
Lab Sample ID: JE21034-1
Matrix: AQ - Water
Project: Saratoga Springs, NY

Date Sampled: 10/10/25
Date Received: 10/11/25
Percent Solids: n/a

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3 [a]	458	5.0	mg/l	1	10/20/25 19:21	GTT	SM2320 B-11/21
Nitrogen, Nitrate [b]	< 0.11	0.11	mg/l	1	10/27/25 19:49	JD	EPA353.2/SM4500NO2B
Nitrogen, Nitrate + Nitrite	< 0.10	0.10	mg/l	1	10/27/25 19:49	JD	EPA 353.2/LACHAT
Nitrogen, Nitrite [c] R	~~< 0.010~~	~~0.010~~	~~mg/l~~	~~1~~	~~10/14/25 12:19~~	~~GT~~	~~SM4500NO2 B-11/21~~
Nitrogen, Total Kjeldahl	1.9	0.40	mg/l	1	10/21/25 17:03	SS	EPA 351.2/LACHAT
Sulfate	114	2.0	mg/l	1	10/21/25 02:21	MS	EPA 300/SW846 9056A
Sulfide	< 2.0	2.0	mg/l	1	10/16/25 14:04	GT	SM4500S2- F-11/21
Total Organic Carbon	2.2	1.0	mg/l	1	10/18/25 06:43	MB	SM5310 B-11/14

(a) Sample was titrated to a final pH of 4.5.
(b) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)
(c) Analysis done out of holding time.

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-EPA-09 10102025		
Lab Sample ID:	JE21034-1A	**Date Sampled:**	10/10/25
Matrix:	AQ - Water	**Date Received:**	10/11/25
Method:	SW846 8015D SW846 3511	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Y97118.D	1	10/19/25 02:50	RK	10/17/25 15:00	OP68257	G3Y3747
Run #2							

	Initial Volume	Final Volume
Run #1	47.9 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.084	0.040	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	122%		70-130%
438-22-2	5a-Androstane	112%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-EPA-10 10102025		
Lab Sample ID:	JE21034-3	**Date Sampled:**	10/10/25
Matrix:	AQ - Water	**Date Received:**	10/11/25
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L373963.D	1	10/23/25 04:12	BK	n/a	n/a	VL11478
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.50	0.43	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		80-120%
17060-07-0	1,2-Dichloroethane-D4	103%		80-120%
2037-26-5	Toluene-D8	98%		80-120%
460-00-4	4-Bromofluorobenzene	98%		82-114%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-EPA-10 10102025		
Lab Sample ID:	JE21034-3	**Date Sampled:**	10/10/25
Matrix:	AQ - Water	**Date Received:**	10/11/25
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2M144262.D	1	10/18/25 20:38	RS	10/15/25 13:00	OP68166A	E2M6525
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene [a]	ND UJ	0.080	0.040	ug/l	
208-96-8	Acenaphthylene	ND	0.080	0.040	ug/l	
120-12-7	Anthracene	ND	0.080	0.040	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.040	0.024	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.040	0.024	ug/l	
205-99-2	Benzo(b)fluoranthene [b]	~~0.0257~~ 0.040 UB	0.040	0.024	ug/l	~~JB~~
191-24-2	Benzo(g,h,i)perylene	ND	0.080	0.040	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.080	0.040	ug/l	
218-01-9	Chrysene	ND	0.080	0.040	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.080	0.040	ug/l	
206-44-0	Fluoranthene	ND	0.080	0.040	ug/l	
86-73-7	Fluorene	ND	0.080	0.040	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.080	0.040	ug/l	
91-20-3	Naphthalene	ND	0.080	0.040	ug/l	
85-01-8	Phenanthrene	ND	0.080	0.040	ug/l	
129-00-0	Pyrene	ND	0.080	0.040	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	56%		29-124%
321-60-8	2-Fluorobiphenyl	56%		23-122%
1718-51-0	Terphenyl-d14	46%		22-130%

(a) Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
(b) Detected in the Method blank but below the reporting limit level.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-SS-09-07 10102025		
Lab Sample ID:	JE21034-4	**Date Sampled:**	10/10/25
Matrix:	AQ - Water	**Date Received:**	10/11/25
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L373964.D	1	10/23/25 04:37	BK	n/a	n/a	VL11478
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.50	0.43	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-120%
17060-07-0	1,2-Dichloroethane-D4	105%		80-120%
2037-26-5	Toluene-D8	97%		80-120%
460-00-4	4-Bromofluorobenzene	97%		82-114%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-SS-09-07 10102025		
Lab Sample ID:	JE21034-4	**Date Sampled:**	10/10/25
Matrix:	AQ - Water	**Date Received:**	10/11/25
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z176491.D	1	10/19/25 22:24	TL	10/15/25 13:00	OP68166A	EZ8690
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.080	0.040	ug/l	
208-96-8	Acenaphthylene	ND	0.080	0.040	ug/l	
120-12-7	Anthracene	ND	0.080	0.040	ug/l	
56-55-3	Benzo(a)anthracene [a]	ND UJ	0.040	0.024	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.040	0.024	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.040	0.024	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.080	0.040	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.080	0.040	ug/l	
218-01-9	Chrysene	ND	0.080	0.040	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.080	0.040	ug/l	
206-44-0	Fluoranthene	ND	0.080	0.040	ug/l	
86-73-7	Fluorene	ND	0.080	0.040	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.080	0.040	ug/l	
91-20-3	Naphthalene	0.0671	0.080	0.040	ug/l	J
85-01-8	Phenanthrene	ND	0.080	0.040	ug/l	
129-00-0	Pyrene	ND	0.080	0.040	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	58%		29-124%
321-60-8	2-Fluorobiphenyl	65%		23-122%
1718-51-0	Terphenyl-d14	65%		22-130%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-EPA-02R 10102025		
Lab Sample ID:	JE21034-5	**Date Sampled:**	10/10/25
Matrix:	AQ - Water	**Date Received:**	10/11/25
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L373965.D	1	10/23/25 05:02	BK	n/a	n/a	VL11478
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.50	0.43	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		80-120%
17060-07-0	1,2-Dichloroethane-D4	103%		80-120%
2037-26-5	Toluene-D8	98%		80-120%
460-00-4	4-Bromofluorobenzene	97%		82-114%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-EPA-02R 10102025		
Lab Sample ID:	JE21034-5	**Date Sampled:**	10/10/25
Matrix:	AQ - Water	**Date Received:**	10/11/25
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2M144264.D	1	10/18/25 21:19	RS	10/15/25 13:00	OP68166A	E2M6525
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene [a]	1.81 J	0.080	0.040	ug/l	
208-96-8	Acenaphthylene	0.465	0.080	0.040	ug/l	
120-12-7	Anthracene	ND	0.080	0.040	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.040	0.024	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.040	0.024	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.040	0.024	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.080	0.040	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.080	0.040	ug/l	
218-01-9	Chrysene	ND	0.080	0.040	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.080	0.040	ug/l	
206-44-0	Fluoranthene	ND	0.080	0.040	ug/l	
86-73-7	Fluorene	0.289	0.080	0.040	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.080	0.040	ug/l	
91-20-3	Naphthalene	0.0642	0.080	0.040	ug/l	J
85-01-8	Phenanthrene	ND	0.080	0.040	ug/l	
129-00-0	Pyrene	ND	0.080	0.040	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	55%		29-124%
321-60-8	2-Fluorobiphenyl	64%		23-122%
1718-51-0	Terphenyl-d14	61%		22-130%

(a) Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Estimated value, due to corresponding failure in the batch associated CCV.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-ORS-01 10102025		
Lab Sample ID:	JE21034-6	**Date Sampled:**	10/10/25
Matrix:	AQ - Water	**Date Received:**	10/11/25
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1T25498.D	1	10/20/25 15:28	ED	n/a	n/a	V1T610
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.50	0.43	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		80-120%
17060-07-0	1,2-Dichloroethane-D4	104%		80-120%
2037-26-5	Toluene-D8	104%		80-120%
460-00-4	4-Bromofluorobenzene	102%		82-114%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-ORS-01 10102025		
Lab Sample ID:	JE21034-6	**Date Sampled:**	10/10/25
Matrix:	AQ - Water	**Date Received:**	10/11/25
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CS9122.D	1	10/18/25 19:40	RS	10/17/25 07:45	OP68253A	ECS470
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.080	0.040	ug/l	
208-96-8	Acenaphthylene	ND	0.080	0.040	ug/l	
120-12-7	Anthracene	ND	0.080	0.040	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.040	0.024	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.040	0.024	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.040	0.024	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.080	0.040	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.080	0.040	ug/l	
218-01-9	Chrysene	ND	0.080	0.040	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.080	0.040	ug/l	
206-44-0	Fluoranthene	ND	0.080	0.040	ug/l	
86-73-7	Fluorene	ND	0.080	0.040	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.080	0.040	ug/l	
91-20-3	Naphthalene	ND	0.080	0.040	ug/l	UJ
85-01-8	Phenanthrene	ND	0.080	0.040	ug/l	
129-00-0	Pyrene	ND	0.080	0.040	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	68%		29-124%
321-60-8	2-Fluorobiphenyl	68%		23-122%
1718-51-0	Terphenyl-d14	76%		22-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-ORS-01 10102025		
Lab Sample ID:	JE21034-6	**Date Sampled:**	10/10/25
Matrix:	AQ - Water	**Date Received:**	10/11/25
Method:	SW846 8015D	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KM14259.D	1	10/21/25 13:30	JN	n/a	n/a	GKM598
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.11	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	89%		63-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-ORS-01 10102025		
Lab Sample ID:	JE21034-6	**Date Sampled:**	10/10/25
Matrix:	AQ - Water	**Date Received:**	10/11/25
Method:	RSK-175	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	AA118160.D	10	10/22/25 11:56	WC	n/a	n/a	GAA3393
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	337 J	1.1	0.80	ug/l	

(a) Bubble present in headspace.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-ORS-01 10102025		
Lab Sample ID:	JE21034-6	**Date Sampled:**	10/10/25
Matrix:	AQ - Water	**Date Received:**	10/11/25
Method:	SW846 8015D SW846 3511	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Y97106.D	1	10/18/25 22:54	RK	10/17/25 15:00	OP68257	G3Y3747
Run #2							

	Initial Volume	Final Volume
Run #1	58.1 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.069	0.033	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	113%		70-130%
438-22-2	5a-Androstane	108%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-ORS-01 10102025
Lab Sample ID: JE21034-6
Matrix: AQ - Water
Project: Saratoga Springs, NY

Date Sampled: 10/10/25
Date Received: 10/11/25
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	1410	100	ug/l	1	10/20/25	10/21/25	MM	SW846 6010D [1]	SW846 3010A [3]
Manganese	296	15	ug/l	1	10/20/25	10/22/25	MM	SW846 6010D [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA59588
(2) Instrument QC Batch: MA59598
(3) Prep QC Batch: MP58085

RL = Reporting Limit

Report of Analysis

Client Sample ID: MW-ORS-01 10102025
Lab Sample ID: JE21034-6
Matrix: AQ - Water
Project: Saratoga Springs, NY

Date Sampled: 10/10/25
Date Received: 10/11/25
Percent Solids: n/a

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3 [a]	718	5.0	mg/l	1	10/20/25 19:21	GTT	SM2320 B-11/21
Nitrogen, Nitrate [b]	0.58	0.11	mg/l	1	10/27/25 19:50	JD	EPA353.2/SM4500NO2B
Nitrogen, Nitrate + Nitrite	0.58	0.10	mg/l	1	10/27/25 19:50	JD	EPA 353.2/LACHAT
Nitrogen, Nitrite [c] R	< 0.010	0.010	mg/l	1	10/14/25 12:19	GT	SM4500NO2 B-11/21
Nitrogen, Total Kjeldahl	0.91	0.40	mg/l	1	10/21/25 17:03	SS	EPA 351.2/LACHAT
Sulfate	10.3	2.0	mg/l	1	10/21/25 13:23	MS	EPA 300/SW846 9056A
Sulfide	< 2.0	2.0	mg/l	1	10/16/25 14:04	GT	SM4500S2- F-11/21
Total Organic Carbon	1.3	1.0	mg/l	1	10/18/25 08:39	MB	SM5310 B-11/14

(a) Sample was titrated to a final pH of 4.5.
(b) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)
(c) Analysis done out of holding time.

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-ORS-01 10102025		
Lab Sample ID:	JE21034-6A	**Date Sampled:**	10/10/25
Matrix:	AQ - Water	**Date Received:**	10/11/25
Method:	SW846 8015D SW846 3511	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Y97119.D	1	10/19/25 03:09	RK	10/17/25 15:00	OP68257	G3Y3747
Run #2							

	Initial Volume	Final Volume
Run #1	45.9 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.087	0.042	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	116%		70-130%
438-22-2	5a-Androstane	114%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-EPA-06 10102025		
Lab Sample ID:	JE21034-7	**Date Sampled:**	10/10/25
Matrix:	AQ - Water	**Date Received:**	10/11/25
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L373966.D	1	10/23/25 05:28	BK	n/a	n/a	VL11478
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.50	0.43	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		80-120%
17060-07-0	1,2-Dichloroethane-D4	100%		80-120%
2037-26-5	Toluene-D8	98%		80-120%
460-00-4	4-Bromofluorobenzene	96%		82-114%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-EPA-06 10102025		
Lab Sample ID:	JE21034-7	**Date Sampled:**	10/10/25
Matrix:	AQ - Water	**Date Received:**	10/11/25
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2M144265.D	1	10/18/25 21:40	RS	10/15/25 13:00	OP68166A	E2M6525
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene [a]	ND UJ	0.080	0.040	ug/l	
208-96-8	Acenaphthylene	ND	0.080	0.040	ug/l	
120-12-7	Anthracene	ND	0.080	0.040	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.040	0.024	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.040	0.024	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.040	0.024	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.080	0.040	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.080	0.040	ug/l	
218-01-9	Chrysene	ND	0.080	0.040	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.080	0.040	ug/l	
206-44-0	Fluoranthene	ND	0.080	0.040	ug/l	
86-73-7	Fluorene	ND	0.080	0.040	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.080	0.040	ug/l	
91-20-3	Naphthalene	0.0769	0.080	0.040	ug/l	J
85-01-8	Phenanthrene	ND	0.080	0.040	ug/l	
129-00-0	Pyrene	ND	0.080	0.040	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	61%		29-124%
321-60-8	2-Fluorobiphenyl	78%		23-122%
1718-51-0	Terphenyl-d14	76%		22-130%

(a) Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-SS-09-06 10102025		
Lab Sample ID:	JE21034-8	**Date Sampled:**	10/10/25
Matrix:	AQ - Water	**Date Received:**	10/11/25
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L373967.D	1	10/23/25 05:53	BK	n/a	n/a	VL11478
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.50	0.43	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		80-120%
17060-07-0	1,2-Dichloroethane-D4	104%		80-120%
2037-26-5	Toluene-D8	99%		80-120%
460-00-4	4-Bromofluorobenzene	98%		82-114%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-SS-09-06 10102025		
Lab Sample ID:	JE21034-8	**Date Sampled:**	10/10/25
Matrix:	AQ - Water	**Date Received:**	10/11/25
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2M144266.D	1	10/18/25 22:00	RS	10/15/25 13:00	OP68166A	E2M6525
Run #2 [a]	CS9265.D	1	10/24/25 22:11	AC	10/22/25 15:00	OP68406A	ECS475

	Initial Volume	Final Volume
Run #1	250 ml	1.0 ml
Run #2	250 ml	1.0 ml

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene [b]	ND UJ	0.080	0.040	ug/l	
208-96-8	Acenaphthylene	ND	0.080	0.040	ug/l	
120-12-7	Anthracene	ND	0.080	0.040	ug/l	
56-55-3	Benzo(a)anthracene	0.0644	0.040	0.024	ug/l	
50-32-8	Benzo(a)pyrene [c]	0.0571 UB	0.040	0.024	ug/l	B
205-99-2	Benzo(b)fluoranthene [d]	0.0871 UB	0.040	0.024	ug/l	B
191-24-2	Benzo(g,h,i)perylene	0.0610	0.080	0.040	ug/l	J
207-08-9	Benzo(k)fluoranthene	0.0658	0.080	0.040	ug/l	J
218-01-9	Chrysene	0.0597	0.080	0.040	ug/l	J
53-70-3	Dibenzo(a,h)anthracene	0.0706	0.080	0.040	ug/l	J
206-44-0	Fluoranthene	ND	0.080	0.040	ug/l	
86-73-7	Fluorene	ND	0.080	0.040	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.0674	0.080	0.040	ug/l	J
91-20-3	Naphthalene	ND	0.080	0.040	ug/l	
85-01-8	Phenanthrene	ND	0.080	0.040	ug/l	
129-00-0	Pyrene	ND	0.080	0.040	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	98%	86%	29-124%
321-60-8	2-Fluorobiphenyl	100%	84%	23-122%
1718-51-0	Terphenyl-d14	85%	89%	22-130%

(a) Sample extracted outside the holding time. Confirmation run.
(b) Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
(c) Detected in the Method blank but below the reporting limit level.
(d) Detected in the Method blank. Confirmation run extracted out of hold, result was ND

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

ARCADIS

National Grid

Data Usability Summary Report

Saratoga Springs, New York

Volatile Organic Compounds (VOCs), Semivolatile Organic Compounds (SVOCs), Dissolved Gases (DG), Total Petroleum Hydrocarbons (TPH), Metals and Miscellaneous Analyses

SDG # JE20825

Analyses Performed By:
SGS Laboratories
Dayton, New Jersey

Report #62755R
Review Level: Tier III
Project: 30003945.00024

Summary

This Data Usability Summary Report (DUSR) summarizes the review of Sample Delivery Groups (SDG) # JE20825 for samples collected in association with the National Grid Saratoga springs site. The review was conducted as a Tier III evaluation and included review of data package completeness. Only analytical data associated with constituents of concern were reviewed for this validation. Field documentation was not included in this review. Included with this assessment are the validation annotated sample result sheets, and chain of custody. Analyses were performed on the following samples:

Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	Analysis					
					VOC	SVOC	DG	TPH	MET	MISC
MW-EPA-07-10092025	JE20825-1	Water	10/09/2025		X	X	X	X	X	X
DUP-10092025	JE20825-3	Water	10/09/2025	MW-EPA-07-10092025	X	X	X	X	X	X
MW-SS-08-05-10092025	JE20825-4	Water	10/09/2025		X	X				
MW-SS-08-08-10092025	JE20825-5	Water	10/09/2025		X	X	X	X	X	X
TRIP BLANK	JE20825-6	Water	10/09/2025		X					

Notes:
VOC = volatile organic compounds.
SVOC = semivolatile organic compounds.
DG = dissolved gases (includes methane).
TPH = total petroleum hydrocarbons (includes Diesel Range Organics [DRO] and Gasoline Range Organics [GRO]).
MET = metals.
MISC = miscellaneous analysis includes total organic carbon, alkalinity, nitrite-N, nitrate-N, nitrogen, nitrate + nitrite, total kjeldahl nitrogen, sulfate, and sulfide.

Analytical Data Package Documentation

The table below evaluates the data package completeness.

Items Reviewed	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Sample receipt condition		X		X	
2. Requested analyses and sample results		X		X	
3. Master tracking list		X		X	
4. Methods of analysis		X		X	
5. Reporting limits		X		X	
6. Sample collection date		X		X	
7. Laboratory sample received date		X		X	
8. Sample preservation verification (as applicable)		X		X	
9. Sample preparation/extraction/analysis dates		X		X	
10. Fully executed chain-of-custody form		X	X		
11. Narrative summary of QA or sample problems provided		X		X	
12. Data package completeness and compliance		X		X	

Note:
QA = quality assurance

10. Sample ID mismatch was observed between the chain of custody and the laboratory analysis report. Details are presented in the table below. Sample IDs were considered for reporting as per the laboratory report after project team mail confirmation.

Laboratory IDs	Sample IDs as per Lab report	Sample IDs as per Chain of custody
JE20825-1	MW-EPA-07-10092025	MW-EPA-07
JE20825-3	DUP-10092025	DUP
JE20825-4	MW-SS-08-05-10092025	MW-SS-08-05
JE20825-5	MW-SS-08-08-10092025	MW-SS-08-08

Organic Analysis Introduction

Analyses were performed according to United States Environmental Protection Agency (USEPA) SW-846 Methods 8260D, 8270E by Selected Ion Monitoring (SIM), 8015D and RSK-175. Data were reviewed in accordance with the USEPA National Functional Guidelines for Organic Superfund Methods Data Review (November 2020); USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999), and applicable Region II SOPs were followed for qualification purposes.

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with USEPA National Functional Guidelines:

Concentration (C) Qualifiers

- U The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
- B The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.

Quantitation (Q) Qualifiers

- E The compound was quantitated above the calibration range.
- D Concentration is based on a diluted sample analysis.

Validation Qualifiers

- J The compound was positively identified; however, the associated numerical value is an estimated concentration only.
- UJ The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.
- JN The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification. The associated numerical value is an estimated concentration only.
- UB Compound is considered non-detect at the listed value due to associated blank contamination.
- N The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification.
- R The sample results are rejected.

The "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second

fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

Volatile Organic Compound (VOC) Analyses

1. Holding Times

The specified holding times for the following methods are presented in the table below.

Method	Matrix	Holding Time	Preservation
SW-846 8260D	Water	14 days from collection to analysis (preserved) 7 days from collection to analysis (unpreserved)	Cool to <6 °C; preserved to a pH of less than 2 s.u.

Note:
s.u. = standard units

All samples were analyzed within the specified holding time criteria.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compounds were not detected above the MDL in the associated blanks; therefore, detected sample results were not associated with blank contamination.

3. Mass Spectrometer Tuning

Mass spectrometer performance was acceptable and all analyses were performed within a 12-hour tune clock.

System performance and column resolution were acceptable.

4. Calibration

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

The method specifies percent relative standard deviation (%RSD) and relative response factor (RRF) limits for select compounds only. A technical review of the data applies limits to all compounds with no exceptions.

All target compounds associated with the initial calibration standards must exhibit a %RSD less than the control limit (20%) or a correlation coefficient greater than 0.99 and an RRF value greater than control limit (0.05).

4.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit (20%) and RRF value greater than control limit (0.05).

All compounds associated with the calibrations were within the specified control limits.

5. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. VOC analysis requires that all surrogates associated with the analysis exhibit recoveries within the laboratory-established acceptance limits.

All surrogate recoveries were within control limits.

6. Internal Standard Performance

Internal standard performance criteria ensure that the GC/MS sensitivity and response are stable during every sample analysis. The criteria require the internal standard compounds associated with the VOC exhibit area counts that are not greater than two times (+100%) or less than one-half (-50%) of the area counts of the associated continuing calibration standard.

All internal standard responses were within control limits.

7. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

The MS/MSD analysis was performed on sample MW-EPA-07-10092025. The MS/MSD analysis exhibited acceptable recoveries and RPDs with the exceptions noted below.

Sample ID	Compound	MS Recovery	MSD Recovery
MW-EPA-07-10092025	Ethylbenzene	> UL	AC

Note:
AC = acceptable

The criteria used to evaluate the MS/MSD recoveries are presented in the following table. In the case of an MS/MSD deviation, the sample results are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
> the upper control limit (UL)	Non-detect	No Action
	Detect	J
< the lower control limit (LL) but > 10%	Non-detect	UJ
	Detect	J
< 10%	Non-detect	R
	Detect	J
Parent sample concentration > four times the MS/MSD spiking solution concentration.	Detect	No Action
	Non-detect	

Sample locations associated with MS/MSD recoveries exhibiting an RPD greater than the control limit are presented in the following table.

Sample ID	Compound
MW-EPA-07-10092025	Ethylbenzene

The criteria used to evaluate the RPD between the MS/MSD recoveries are presented in the following table. In the case of an RPD deviation, the sample results are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
> UL	Non-detect	UJ
	Detect	J

8. Laboratory Control Sample (LCS) Analysis

The LCS analysis is used to assess the accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

All compounds associated with the LCS analysis exhibited recoveries within the control limits.

9. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 30% for water matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water matrices.

Results for duplicate samples are summarized in the following table.

Sample ID/ Duplicate ID	Compounds	Sample Result (ug/l)	Duplicate Result (ug/l)	RPD
MW-EPA-07-10092025 / DUP-10092025	Benzene	12.3	8.9	32.1 %
	Toluene	1.2	1.0	AC
	Ethylbenzene	148	131	12.2 %
	Xylene (total)	63.8	58.0	9.5 %

Note:
AC = acceptable

The compound benzene associated with sample locations MW-EPA-07-10092025 and DUP-10092025 exhibited a field duplicate RPD greater than the control limit. The associated sample results from sample locations for the listed analyte were qualified as estimated.

10. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

Data Validation Checklist for VOCs

VOCs: SW-846 8260D	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment blanks	X				X
C. Trip blanks		X		X	
Laboratory Control Sample (LCS) %R		X		X	
Laboratory Control Sample Duplicate (LCSD) %R	X				X
LCS/LCSD Precision (RPD)	X				X
Matrix Spike (MS) %R		X	X		
Matrix Spike Duplicate (MSD) %R		X		X	
MS/MSD Precision (RPD)		X	X		
Field/Lab Duplicate (RPD)		X	X		
Surrogate Spike Recoveries		X		X	
Dilution Factor		X		X	
Moisture Content	X				X
Tier III Validation					
System performance and column resolution		X		X	
Initial calibration %RSDs		X		X	
Initial and Continuing calibration RRFs		X		X	
Initial and Continuing calibration verification %Ds		X		X	
Internal standard		X		X	
Reporting limits adjusted to reflect sample dilutions		X		X	

Notes:
%RSD = Relative standard deviation
%R = percent recovery
RPD = relative percent difference
%D = percent difference

Semivolatile Organic Compound (SVOC) Analyses

1. Holding Times

The specified holding times for the following methods are presented in the table below.

Method	Matrix	Holding Time	Preservation
SW-846 8270E-SIM	Water	7 days from collection to extraction and 40 days from extraction to analysis	Cool to <6 °C

All samples were analyzed within the specified holding time criteria.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

All compounds associated with the QA blanks exhibited a concentration less than the MDL, with the exception of the compounds listed in the following table. Sample results associated with QA blank contamination that were greater than the BAL resulted in the removal of the laboratory qualifier (B) of data. Sample results less than the BAL associated with the following sample locations were qualified as listed in the following table.

Sample IDs	Compounds	Sample Result	Qualification
MW-SS-08-08-10092025	Benzo(a)pyrene (MB)	Detected sample results <RL and <BAL	"UB" at the RL
MW-EPA-07-10092025 MW-SS-08-08-10092025	Benzo(b)fluoranthene (MB)	Detected sample results >RL and <BAL	"UB" at detected sample concentration
MW-SS-08-05-10092025 MW-SS-08-08-10092025	Benzo(g,h,i)perylene (MB)	Detected sample results >RL and <BAL	"UB" at detected sample concentration
MW-SS-08-08-10092025	Benzo(k)fluoranthene (MB)	Detected sample results <RL and <BAL	"UB" at the RL
MW-SS-08-05-10092025 MW-SS-08-08-10092025	Dibenzo(a,h)anthracene (MB)	Detected sample results >RL and <BAL	"UB" at detected sample concentration
MW-SS-08-05-10092025 MW-SS-08-08-10092025	Indeno(1,2,3-cd)pyrene (MB)	Detected sample results >RL and <BAL	"UB" at detected sample concentration
MW-SS-08-05-10092025 MW-SS-08-08-10092025	Naphthalene (MB)	Detected sample results >RL and <BAL	"UB" at detected sample concentration

Notes:
RL = reporting limit
MB = method blank

3. Mass Spectrometer Tuning

Mass spectrometer performance was acceptable and all analyses were performed within a 12-hour tune clock.

System performance and column resolution were acceptable.

4. Calibration

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

The method specifies percent relative standard deviation (%RSD) and relative response factor (RRF) limits for select compounds only. A technical review of the data applies limits to all compounds with no exceptions.

All target compounds associated with the initial calibration standards must exhibit a %RSD less than the control limit (20%) or a correlation coefficient greater than 0.99 and an RRF value greater than control limit (0.05).

4.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit (20%) and RRF value greater than control limit (0.05).

All compounds associated with the calibrations were within the specified control limits.

5. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. SVOC analysis requires that two of the three SVOC surrogate compounds within each fraction exhibit recoveries within the laboratory-established acceptance limits.

All surrogate recoveries were within control limits.

6. Internal Standard Performance

Internal standard performance criteria ensure that the GC/MS sensitivity and response are stable during every sample analysis. The criteria require the internal standard compounds associated with the SVOC exhibit area counts that are not greater than two times (+100%) or less than one-half (-50%) of the area counts of the associated continuing calibration standard.

All internal standard responses were within control limits.

7. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method.The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

The MS/MSD analysis was performed on sample MW-EPA-07-10092025. The MS/MSD analysis exhibited acceptable recoveries and RPDs with the exceptions noted below.

Sample ID	Compound	MS Recovery	MSD Recovery
MW-EPA-07-10092025	Phenanthrene	AC	< LL but > 10%

Note:
AC = acceptable

The criteria used to evaluate the MS/MSD recoveries are presented in the following table. In the case of an MS/MSD deviation, the sample results are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
> the upper control limit (UL)	Non-detect	No Action
	Detect	J
< the lower control limit (LL) but > 10%	Non-detect	UJ
	Detect	J
< 10%	Non-detect	R
	Detect	J
Parent sample concentration > four times the MS/MSD spiking solution concentration.	Detect	No Action
	Non-detect	

Sample locations associated with MS/MSD recoveries exhibiting an RPD greater than the control limit are presented in the following table.

Sample ID	Compound
MW-EPA-07-10092025	Phenanthrene

The criteria used to evaluate the RPD between the MS/MSD recoveries are presented in the following table. In the case of an RPD deviation, the sample results are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
> UL	Non-detect	UJ
	Detect	J

8. Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) Analysis

The LCS/LCSD analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS/LCSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

All compounds associated with the LCS/LCSD analysis exhibited recoveries within the control limits with the exceptions noted below.

Sample IDs	Compounds	LCS Recovery	LCSD Recovery
MW-EPA-07-10092025 DUP-10092025 MW-SS-08-05-10092025 MW-SS-08-08-10092025	Fluorene	AC	< LL but > 10%
	Naphthalene	< LL but > 10%	< LL but > 10%

The criteria used to evaluate the LCS/LCSD recoveries are presented in the following table. In the case of an LCS/LCSD deviation, the sample results are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
> the upper control limit (UL)	Non-detect	No Action
	Detect	J
< the lower control limit (LL) but > 10%	Non-detect	UJ
	Detect	J
< 10%	Non-detect	R
	Detect	J

9. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 30% for water matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water matrices.

Results for duplicate samples are summarized in the following table.

Sample ID/ Duplicate ID	Compounds	Sample Result (ug/l)	Duplicate Result (ug/l)	RPD
MW-EPA-07-10092025 / DUP-10092025	Acenaphthene	10.1	9.65	4.6%
	Acenaphthylene	0.0716 J	0.0647 J	AC
	Anthracene	0.0471 J	0.080 U	AC
	Benzo(b)fluoranthene	0.0405	0.040 U	AC
	Fluoranthene	0.0537 J	0.080 U	AC
	Fluorene	1.38	0.975	34.4%
	Naphthalene	72.4	102	33.9%
	Phenanthrene	0.0668 J	0.0468 J	AC
	Pyrene	0.0463 J	0.080 U	AC

Note:
AC = acceptable

The compounds fluorene and naphthalene associated with sample locations MW-EPA-07-10092025 and DUP-10092025 exhibited a field duplicate RPD greater than the control limit. The associated sample results from sample locations for the listed analytes were qualified as estimated.

10. System Performance and Overall Assessment

Sample results associated with compound that exhibited a concentration greater than the linear range of the instrument calibration are summarized in the following table.

Sample IDs	Compounds	Original Analysis	Diluted Analysis	Reported Analysis
MW-EPA-07-10092025	Acenaphthene	--	10.1	10.1 D
	Naphthalene	--	72.4	72.4 D
DUP-10092025	Acenaphthene	--	9.65	9.65 D
	Naphthalene	--	102	102 D

Note: In the instance where both the original analysis and the diluted analysis sample results exhibited a concentration greater than and/or less than the calibration linear range of the instrument; the sample result exhibiting the greatest concentration will be reported as the final result.

Sample results associated with compounds exhibiting concentrations greater than the linear range are qualified as documented in the table below when reported as the final reported sample result.

Reported Sample Results	Qualification
Diluted sample result within calibration range	D
Diluted sample result less than the calibration range	DJ
Diluted sample result greater than the calibration range	EDJ
Original sample result greater than the calibration range	EJ

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

Data Validation Checklist for SVOCs

SVOCs: SW-846 8270E-SIM	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X	X		
B. Equipment blanks	X				X
Laboratory Control Sample (LCS) %R		X	X		
Laboratory Control Sample Duplicate (LCSD) %R		X	X		
LCS/LCSD Precision (RPD)		X		X	
Matrix Spike (MS) %R		X		X	
Matrix Spike Duplicate (MSD) %R		X	X		
MS/MSD Precision (RPD)		X	X		
Field/Lab Duplicate (RPD)		X	X		
Surrogate Spike Recoveries		X		X	
Dilution Factor		X		X	
Moisture Content	X				X
Tier III Validation					
System performance and column resolution		X		X	
Initial calibration %RSDs		X		X	
Initial and Continuing calibration RRFs		X		X	
Initial and Continuing calibration verification %Ds		X		X	
Internal standard		X		X	
Reporting limits adjusted to reflect sample dilutions		X		X	

Notes:
%RSD = relative standard deviation
%R= percent recovery
RPD = relative percent difference
%D = percent difference

Dissolved Gases Analyses

1. Holding Times

The specified holding times for the following methods are presented in the table below.

Method	Matrix	Holding Time	Preservation
RSK-175	Water	14 days from collection to analysis (preserved) 7 days from collection to analysis (Unpreserved)	Cool to <6 °C; preserved to a pH of less than 2 s.u.

Note:
s.u. = standard units

All samples were analyzed within the specified holding time criteria.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compounds were not detected above the MDL in the associated blanks; therefore, detected sample results were not associated with blank contamination.

3. Calibration

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

3.1 Initial Calibration

The method specifies percent relative standard deviation (%RSD) and relative response factor (RRF) limits for select compounds only. A technical review of the data applies limits to all compounds with no exceptions.

All target compounds associated with the initial calibration standards must exhibit a %RSD less than the control limit (20%) or a correlation coefficient greater than 0.99 and an RRF value greater than control limit (0.05).

3.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit (20%) and RRF value greater than control limit (0.05).

All compounds associated with the calibrations were within the specified control limits.

4. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

The MS/MSD analysis was not performed on samples from this SDG.

5. Laboratory Duplicate Analysis

The laboratory duplicate relative percent difference (RPD) criterion is applied when parent and duplicate sample concentrations are greater than or equal to five times the reporting limit (RL). A control limit of 20% for water matrices is applied when the criteria above is true. In the instance when the parent and/or duplicate sample concentrations are less than or equal to five times the RL, a control limit of one times the RL is applied for water matrices.

The laboratory duplicate analysis was performed on sample MW-EPA-07-10092025. The laboratory duplicate sample results exhibited RPD within the control limit.

6. Laboratory Control Sample (LCS) Analysis

The LCS analysis is used to assess the accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

All compounds associated with the LCS analysis exhibited recoveries within the control limits.

7. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 30% for water matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water.

Results for duplicate samples are summarized in the following table.

Sample ID/ Duplicate ID	Compound	Sample Result (ug/l)	Duplicate Result (ug/l)	RPD
MW-EPA-07-10092025 / DUP-10092025	Methane	3150	3680	15.5%

The calculated RPDs between the parent sample and field duplicate were acceptable.

8. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

Data Validation Checklist for Dissolved Gases

Dissolved Gases: RSK-175	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/FLAME IONIZATION DETECTOR (GC/FID)					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment blanks	X				X
Laboratory Control Sample (LCS) %R		X		X	
Laboratory Control Sample Duplicate (LCSD) %R	X				X
LCS/LCSD Precision (RPD)	X				X
Matrix Spike (MS) %R	X				X
Matrix Spike Duplicate (MSD) %R	X				X
MS/MSD Precision (RPD)	X				X
Field/Lab Duplicate (RPD)		X		X	
Dilution Factor		X		X	
Moisture Content	X				X
Tier III Validation					
Initial calibration %RSD		X		X	
Initial and Continuing calibration RRFs		X		X	
Initial and Continuing calibration verification %Ds		X		X	
Reporting limits adjusted to reflect sample dilutions		X		X	

Notes:
%RSD= relative standard deviation
%R = percent recovery
RPD = Relative percent difference
%D = percent difference

Gasoline/Diesel Range Organics (GRO/DRO) Analyses

1. Holding Times

The specified holding times for the following methods are presented in the table below.

Method	Matrix	Holding Time	Preservation
TPH Diesel Range Organics (DRO) by SW-846 8015D	Water	7 days from collection to extraction; 40 days from extraction to analysis	Cool to <6 °C
TPH Gasoline Range Organics (GRO) by SW-846 8015D	Water	14 days from collection to analysis	Cool to <6 °C; preserved to a pH of less than 2 s.u

Note:
s.u. = standard units

All samples were analyzed within the specified holding time criteria.

Note: Two sample results for DRO analysis are reported; samples with an “A” suffix attached to the sample ID were analyzed with an additional silica gel cleanup process.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compounds were not detected above the MDL in the associated blanks; therefore, detected sample results were not associated with blank contamination.

3. Calibration

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

3.1 Initial Calibration

The method specifies percent relative standard deviation (%RSD) and relative response factor (RRF) limits for select compounds only. A technical review of the data applies limits to all compounds with no exceptions.

All target compounds associated with the initial calibration standards must exhibit a %RSD less than the control limit (20%) or a correlation coefficient greater than 0.99.

3.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit 20%.

All compounds associated with the calibrations were within the specified control limits.

4. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. The analysis requires that all surrogates associated with the analysis exhibit recoveries within the laboratory-established acceptance limits.

All surrogate recoveries were within control limits.

5. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

The MS/MSD analysis was performed on sample MW-EPA-07-10092025. MS/MSD analysis exhibited recoveries and RPDs within the control limits.

6. Laboratory Duplicate Analysis

The laboratory duplicate relative percent difference (RPD) criterion is applied when parent and duplicate sample concentrations are greater than or equal to five times the reporting limit (RL). A control limit of 20% for water matrices is applied when the criteria above is true. In the instance when the parent and/or duplicate sample concentrations are less than or equal to five times the RL, a control limit of one times the RL is applied for water matrices.

The laboratory duplicate analysis was not performed on samples from this SDG.

7. Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) Analysis

The LCS/LCSD analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS/LCSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

All compounds associated with the LCS/LCSD analysis exhibited recoveries within the control limits.

8. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 30% for water matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water matrices.

Results for duplicate samples are summarized in the following table.

Sample ID/ Duplicate ID	Compounds	Sample Result (mg/l)	Duplicate Result (mg/l)	RPD
MW-EPA-07-10092025 / DUP-10092025	TPH-GRO (C6-C10)	0.742	0.562	AC
	TPH-DRO (C10-C28)	0.994	1.36	31.1%
	TPH-DRO (C10-C28) (Silica gel treated)	0.951	1.40	38.2%

Note:
AC = acceptable

The compounds TPH-DRO (C10-C28) and TPH-DRO (C10-C28) (Silica gel treated) associated with sample locations MW-EPA-07-10092025 and DUP-10092025 exhibited a field duplicate RPD greater than the control limit. The associated sample results from sample locations for the listed analyte were qualified as estimated.

9. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

Data Validation Checklist for GRO/DRO

GRO/DRO: EPA 8015D	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY (GC/FID)					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment blanks	X				X
Laboratory Control Sample (LCS) %R		X		X	
Laboratory Control Sample Duplicate (LCSD) %R		X		X	
LCS/LCSD Precision (RPD)		X		X	
Matrix Spike (MS) %R		X		X	
Matrix Spike Duplicate (MSD) %R		X		X	
MS/MSD Precision (RPD)		X		X	
Field/Lab Duplicate (RPD)		X	X		
Surrogate Spike Recoveries		X		X	
Dilution Factor		X		X	
Moisture Content	X				X
Tier III Validation					
Initial calibration %RSD or correlation coefficient		X		X	
Initial and Continuing calibration verification %Ds		X		X	
Reporting limits adjusted to reflect sample dilutions		X		X	

Notes:
%RSD = relative standard deviation
%R = percent recovery
RPD = relative percent difference
%D = percent difference

Inorganic Analysis Introduction

Analyses were performed according to United States Environmental Protection Agency (USEPA) SW-846 Method 6010D, 353.2, 351.2, 300.0, Standard Methods 2320B, 4500NO2 B, 4500S2-F, and 5310B. Data were reviewed in accordance with the Data were reviewed in accordance with USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review, EPA 542-R-20-006, November 2020 (with reference to the historical USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review, EPA 540-R-04-004, October 2004), as appropriate; and associated USEPA Region II guidelines.

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and that it was already subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with the USEPA National Functional Guidelines:

- Concentration (C) Qualifiers
  - U The analyte was analyzed for but not detected. The associated value is the analyte instrument detection limit.
  - J The reported value was obtained from a reading less than the reporting limit (RL), but greater than or equal to the method detection limit (MDL).
- Quantitation (Q) Qualifiers
  - E The reported value is estimated due to the presence of interference.
  - N Spiked sample recovery is not within control limits.
  - * Duplicate analysis is not within control limits.
- Validation Qualifiers
  - J The analyte was positively identified; however, the associated numerical value is an estimated concentration only.
  - UJ The analyte was not detected above the reporting limit. However, the reported limit is approximate and may or may not represent the actual limit of detection.
  - UB Analyte considered non-detect at the listed value due to associated blank contamination.
  - R The sample results are rejected.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

Metals Analyses

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
SW-846 6010D	Water	180 days from collection to analysis	Preserved to a pH of less than 2.

All samples were analyzed within the specified holding time criteria.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Analytes were not detected above the MDL in the associated blanks; therefore, detected sample results were not associated with blank contamination.

3. Calibration

Satisfactory instrument calibration is established to provide that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument's continuing performance is satisfactory.

3.1 Initial Calibration and Continuing Calibration

The correct number and type of standards were analyzed. The correlation coefficient of the initial calibration was greater than 0.995 for all non-ICP analytes and all initial calibration verification standard recoveries were within control limits.

All initial and continuing calibration verification standard recoveries were within the control limit.

3.2 RL Check Standard

The RL check standard serves to verify the linearity of calibration of the analysis at the reporting limit. The RL standard is not required for the analysis of iron (Fe), magnesium (Mg) and sodium (Na). The criteria used to evaluate the RL standard analysis are presented below in the RL standards evaluation table (if applicable).

All RL standard recoveries were within control limits.

3.3 ICP Interference Control Sample (ICS)

The ICS verifies the laboratories interelement and background correction factors.

All ICS exhibited recoveries within the control limits.

4. Matrix Spike/Matrix Spike Duplicate (MS/MSD)/Laboratory Duplicate Analysis

MS/MSD and laboratory duplicate data are used to assess the precision and accuracy of the analytical method.

4.1 MS/MSD Analysis

All metal analytes must exhibit a percent recovery within the established acceptance limits of 75% to 125%. The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the analyte's concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater. In instance where this is true, the data will not be qualified even if the percent recovery does not meet the control limits and the laboratory flag will be removed.

The MS/MSD analysis was performed on sample MW-EPA-07-10092025. MS/MSD analysis exhibited recoveries and RPDs within the control limits.

4.2 Laboratory Duplicate Analysis

The laboratory duplicate relative percent difference (RPD) criterion is applied when parent and duplicate sample concentrations are greater than or equal to 5 times the RL. A control limit of 20% for water matrices is applied when the criteria above is true. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water matrices.

The Laboratory duplicate analysis was not performed on samples from this SDG.

5. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 30% for water matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water.

Results for duplicate samples are summarized in the following table.

Sample ID/ Duplicate ID	Analytes	Sample Result (ug/l)	Duplicate Result (ug/l)	RPD
MW-EPA-07-10092025 / DUP-10092025	Iron	3000	2270	27.7%
	Manganese	152	118	25.2%

The calculated RPDs between the parent sample and field duplicate were acceptable.

6. Laboratory Control Sample (LCS) Analysis

The LCS analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The analytes associated with the LCS analysis must exhibit a percent recovery between the control limits of 80% and 120%.

The LCS analysis exhibited recoveries within the control limits.

7. Serial Dilution

The serial dilution analysis is used to assess if a significant physical or chemical interference exists due to sample matrix. Analytes exhibiting concentrations greater than 50 times the MDL in the undiluted sample are evaluated to determine if matrix interference exists. These analytes are required to have less than a 10% difference (%D) between sample results from the undiluted (parent) sample and results associated with the same sample analyzed with a five-fold dilution.

The serial dilution analysis was performed on sample MW-EPA-07-10092025 exhibited %D within the control limit.

8. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

Data Validation Checklist for Metals

METALS: SW-846 6010D	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
Inductively Coupled Plasma-Atomic Emission Spectrometry (ICP-AES)					
Tier II Validation					
Holding Times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Instrument Blanks		X		X	
B. Method Blanks		X		X	
C. Equipment/Field Blanks	X				X
Laboratory Control Sample (LCS) %R		X		X	
Matrix Spike (MS) %R		X		X	
Matrix Spike Duplicate (MSD) %R		X		X	
MS/MSD Precision (RPD)		X		X	
Field/Lab Duplicate (RPD)		X		X	
ICP Serial Dilution %D		X		X	
Reporting Limit Verification		X		X	
Tier III Validation					
Initial Calibration Verification		X		X	
Continuing Calibration Verification		X		X	
CRDL Standard Recovery		X		X	
ICP Interference Check		X		X	
Reporting limits adjusted to reflect sample dilutions		X		X	

Notes:
%R = percent recovery
RPD = relative percent difference
%D = percent difference

General Chemistry Analyses

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
Total Organic Carbon by SM5310 B	Water	28 days from collection to analysis	Cool to <6 °C; preserved to a pH of less than 2.
Alkalinity by SM 2320B	Water	14 days from collection to analysis	Cool to <6 °C.
Nitrogen, Nitrite by SM4500NO2 B	Water	48 hours from collection to analysis	Cool to <6 °C.
Nitrogen nitrate by EPA 353.2 / SM4500N02B	Water	Calculation	NA
Nitrogen, Nitrate + Nitrite by EPA 353.2	Water	28 days from collection to analysis	Cool to <6 °C; preserved to a pH of less than 2.
Total Kjeldahl Nitrogen by EPA 351.2	Water	28 days from collection to analysis	Cool to <6 °C; preserved to a pH of less than 2.
Sulfate by EPA 300	Water	28 days from collection to analysis	Cool to <6 °C.
Sulfide by SM4500S2-F	Water	7 days from collection to analysis	Zinc acetate; preserved to a pH of greater than 9

Note:
NA = not applicable

All samples were analyzed within the specified holding time criteria.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Analytes were detected in the associated QA blanks; however, the associated sample results were greater than the BAL. No other qualification of the sample results was required.

3. Calibration

Satisfactory instrument calibration is established to provide that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument's continuing performance is satisfactory.

3.1 Initial Calibration and Continuing Calibration

The correct number and type of standards were analyzed. The correlation coefficient of the initial calibration was greater than 0.995 for all non-ICP analytes and all initial calibration verification standard recoveries were within control limits.

All initial and continuing calibration verification standard recoveries were within the control limit.

4. Matrix Spike (MS)/Matrix Spike Duplicate (MSD)/Laboratory Duplicate Analysis

MS/MSD and laboratory duplicate data are used to assess the precision and accuracy of the analytical method.

4.1 MS/MSD Analysis

All analytes must exhibit a percent recovery within the established acceptance limits of 75% to 125%. The MS recovery control limits do not apply for MS/MSD performed on sample locations where the analyte's concentration detected in the parent sample exceeds the MS concentration by a factor of four or greater. In instance where this is true, the data will not be qualified even if the percent recovery does not meet the control limits and the laboratory flag will be removed.

The MS analysis was performed on samples MW-EPA-07-10092025 and DUP-10092025 for Nitrogen, Nitrate + Nitrite analysis and the MS/MSD analysis was performed on sample MW-EPA-07-10092025 for sulfate analysis. The MS/ MSD analysis exhibited acceptable recoveries and RPDs.

4.2 Laboratory Duplicate Analysis

The laboratory duplicate relative percent difference (RPD) criterion is applied when parent and duplicate sample concentrations are greater than or equal to 5 times the RL. A control limit of 20% for water matrices is applied when the criteria above is true. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of one time the RL is applied for water matrices.

The Laboratory duplicate analysis was performed on sample MW-EPA-07-10092025 for alkalinity, total as CaCO3, Nitrogen, Nitrate + Nitrite and sulfide analysis. The laboratory duplicate analysis exhibited acceptable RPDs.

5. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 30% for water matrices is applied to the RPD between the parent

sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water matrices.

Results for duplicate samples are summarized in the following table.

Sample ID/ Duplicate ID	Analytes	Sample Result (mg/l)	Duplicate Result (mg/l)	RPD
MW-EPA-07-10092025 / DUP-10092025	Alkalinity, Total as CaCO3	696	721	3.5%
	Total Kjeldahl Nitrogen	4.4	4.7	6.6%
	Sulfate	17.6	15.4	13.3%
	Total Organic Carbon	2.6	2.4	AC

Note:
AC = acceptable

The calculated RPDs between the parent sample and field duplicate were acceptable.

6. Laboratory Control Sample (LCS) Analysis

The LCS analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The analytes associated with the LCS analysis must exhibit a percent recovery between the control limits of 80% and 120%.

The LCS analysis exhibited recoveries within the control limits.

7. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

Data Validation Checklist for General Chemistry

General Chemistry: Various Methods	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
Miscellaneous Instrumentation					
Tier II Validation					
Holding Times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Instrument Blanks		X		X	
B. Method Blanks		X	X		
C. Equipment/Field Blanks	X				X
Laboratory Control Sample (LCS) %R		X		X	
Matrix Spike (MS) %R		X		X	
Matrix Spike Duplicate (MSD) %R		X		X	
MS/MSD Precision (RPD)		X		X	
Field/Lab Duplicate (RPD)		X		X	
Tier III Validation					
Initial Calibration Verification		X		X	
Continuing Calibration Verification		X		X	
Reporting limits adjusted to reflect sample dilutions		X		X	

Notes:
%R = percent recovery
RPD = relative percent difference

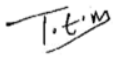
SAMPLE COMPLIANCE REPORT

Sample Delivery Group (SDG)	Sampling Date	Protocol	Sample ID	Matrix	Compliancy[1]						Noncompliance
					VOC	SVOC	DG	TPH	MET	MISC	
JE20825	10/09/2025	SW846/USEPA	MW-EPA-07-10092025	Water	No	No	Yes	No	Yes	Yes	VOC: Field duplicate RPD, MS %R, MS/MSD RPD SVOC: Blank contamination, MSD %R, MS/MSD RPD, LCS/LCSD %R, Field duplicate RPD TPH: Field duplicate RPD
	10/09/2025	SW846/USEPA	DUP-10092025	Water	No	No	Yes	No	Yes	Yes	VOC: Field duplicate RPD SVOC: LCS/LCSD %R, Field duplicate RPD TPH: Field duplicate RPD
	10/09/2025	SW846/USEPA	MW-SS-08-05-10092025	Water	Yes	No	--	--	--	--	SVOC: Blank contamination, LCS/LCSD %R
	10/09/2025	SW846/USEPA	MW-SS-08-08-10092025	Water	Yes	No	Yes	Yes	Yes	Yes	SVOC: Blank contamination, LCS/LCSD %R
	10/09/2025	SW846/USEPA	TRIP BLANK	Water	Yes	--	--	--	--	--	--

Note:

1 Samples which are compliant with no added validation qualifiers are listed as "yes". Samples which are non-compliant or which have added qualifiers are listed as "no". A "no" designation does not necessarily indicate that the data have been rejected or are otherwise unusable.

VALIDATION PERFORMED BY: Tyson Tellis

SIGNATURE: 

DATE: January 21, 2026

PEER REVIEW: Joseph C. Houser

DATE: January 21, 2026

Chain of Custody Corrected Sample Analysis Data Sheets

WW
TB

SGS CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200
www.sgs.com/ehsusa

Page 1 of 2 E

FED-EX Tracking # 9297 3940 9999 | Bottle Order Control # TM-093025-169
SGS Quote # | SGS Job # JE20825

Client / Reporting Information

Company Name: Arcadis
Street Address: 646 Plank Rd Suite 100
City: Clifton State: Park Zip: 12065
Project Contact: Matt Hysell E-mail: matthysell@arcadis.com
Phone #: 315 671-9189
Sampler(s) Name(s): KK AF Phone #:

Project Information

Project Name: NG Saratoga
Street:
City: State:
Project #: 30003945
Client Purchase Order #:
Project Manager: Matt Hysell

Billing Information (if different from Report to)

Company Name:
Street Address:
City: State: Zip:
Attention:

Analysis Requested

BTEX	PAH's (SIM)	Iron and Manganese	Sulfate	Sulfide	TPH DRO	SGC TPH DRO	TPH GRO	Alkalinity	TKN	Nitrate
X	X	X	X	X	X	X	X	X	X	X
X	X	X	X	X	X	X	X	X	X	X
X	X	X	X	X	X	X	X	X	X	X
X	X									
X	X	X	X	X	X	X	X	X	X	X
X										

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED - Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB - Field Blank
EB-Equipment Blank
RB - Rinse Blank
TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	pH Check (Lab Use Only)	LAB USE ONLY
1	MW-EPA-07		10/9/25	12:05	KK/AF	G			24										FIG
2	MS		10/9/25	15:00	KK/AF	G			24										~~A34~~
3	DUP		10/9/25	–	KK/AF	G			24										
4	MW-SS-08-05		10/9/25	9:45	KK/AF	G			5										A34
5	MW-SS-08-08		10/9/25	12:10	KK/AF	G			24										CIR
6	Trip Blank		10/9/25	–	KK/AF	G			2										1673

1B TX

Initial Assessment
Label Verification

Turn Around Time (Business Days)

Approved By (SGS PM) / Date:

- 10 Business Days
- 5 Business Days
- 3 Business Days*
- 2 Business Days*
- 1 Business Day*
- Other

All data available via SGS Engage

* Approval needed for 1-3 BD TAT

Deliverable

- Commercial "A" (Level 1)
- Commercial "B" (Level 2)
- NJ Reduced (Level 3)
- Full Tier I (Level 4)
- Commercial "C"
- NJ DKQP
- NJGW Criteria 2025 *new*
- NYASP Category A
- NYASP Category B
- MA MCP Criteria
- CT RCP Criteria
- State Forms
- EDD Format

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Lab to perform TPH DRO AND SGC TPH DRO
• 2x250 mL 8270

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished By: 1 Kathryn Knapp	Date / Time: 10/9/25 17:00	Received By: 1 FEDEX	Relinquished By: 2 FEDEX	Date / Time: 10/10 09	Received By: 2		
Relinquished By: 3	Date / Time:	Received By: 3	Relinquished By: 4	Date / Time:	Received By: 4		
Relinquished By: 5	Date / Time:	Received By: 5	Custody Seal #	☐ Intact ☐ Not intact ☐ Absent	Therm ID: See Sample Receipt Summary	On Ice	Cooler Temp. °C Up 3.2

Ref No: G1

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200
www.sgs.com/ehsusa

FED-EX Tracking # | Bottle Order Control #
SGS Quote # | SGS Job # JE20825

Client / Reporting Information

Company Name: Arcadis
Street Address: 6946 Plank Rd Suite 100
City State Zip: Clifton Park NY 12065
Project Contact E-mail: Matt Hyssell Matt.hyssell@arcadis.com
Phone #: 315-671-9189
Sampler(s) Name(s): KK AF Phone #
Project Manager: Matt Hyssell

Project Information

Project Name: NG Saratoga
Project #: 30003745
Client Purchase Order #

Billing Information (if different from Report to)

Company Name:
Street Address:
City State Zip:
Attention:

Analysis Requested

TOC
Methane

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED - Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB - Field Blank
EB-Equipment Blank
RB - Rinse Blank
TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	pH Check (Lab Use Only)	LAB USE ONLY
1	MW-EPA-07		10/9/25	12:05	KK AF				24									X X	
2	MS		10/9/25	15:00	KK AF				24									X X	
3	DUP		10/9/25	—	KK AF				24									X X	
5	MW-SS-08-08		10/9/25	12:10	KK AF				24									X X	

Turn Around Time (Business Days)

Approved By (SGS PM) / Date:

- 10 Business Days
- 5 Business Days
- 3 Business Days*
- 2 Business Days*
- 1 Business Day*
- Other

All data available via SGS Engage
* Approval needed for 1-3 BD TAT

Deliverable

- Commercial "A" (Level 1)
- Commercial "B" (Level 2)
- NJ Reduced (Level 3)
- Full Tier I (Level 4)
- Commercial "C"
- NJ DKQP
- NJGW Criteria 2025 *new*
- NYASP Category A
- NYASP Category B
- MA MCP Criteria ____
- CT RCP Criteria ____
- State Forms
- EDD Format ____

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

http://www.sgs.com/en/terms-and -conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished By:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1		10/9/25 1500	FED EX	FED EX	10/10 10:00	
2						
3						
4						
5				Custody Seal #	Intact / Not intact / Absent	Therm ID: / See Sample Receipt Summary — Cooler Temp. °C

Ref No: G140222989

Report of Analysis

Client Sample ID:	MW-EPA-07-10092025		
Lab Sample ID:	JE20825-1	**Date Sampled:**	10/09/25
Matrix:	AQ - Water	**Date Received:**	10/10/25
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2K25216.D	1	10/18/25 01:18	ED	n/a	n/a	V2K694
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	12.3 J	0.50	0.43	ug/l	
108-88-3	Toluene	1.2	1.0	0.49	ug/l	
100-41-4	Ethylbenzene	148 J	1.0	0.60	ug/l	
1330-20-7	Xylene (total)	63.8	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		80-120%
17060-07-0	1,2-Dichloroethane-D4	91%		80-120%
2037-26-5	Toluene-D8	97%		80-120%
460-00-4	4-Bromofluorobenzene	90%		82-114%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-EPA-07-10092025		
Lab Sample ID:	JE20825-1	**Date Sampled:**	10/09/25
Matrix:	AQ - Water	**Date Received:**	10/10/25
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CS9066.D	1	10/16/25 17:00	AC	10/15/25 06:45	OP68138A	ECS468
Run #2	Z176730.D	10	10/27/25 17:41	RS	10/15/25 06:45	OP68138A	EZ8699
Run #3	Z176731.D	50	10/27/25 18:06	RS	10/15/25 06:45	OP68138A	EZ8699
Run #4 [b]	CS9252.D	1	10/24/25 16:23	AC	10/21/25 19:30	OP68290A	ECS475

	Initial Volume	Final Volume
Run #1	250 ml	1.0 ml
Run #2	250 ml	1.0 ml
Run #3	250 ml	1.0 ml
Run #4	250 ml	1.0 ml

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	10.1 [c] D	0.80	0.40	ug/l	
208-96-8	Acenaphthylene	0.0716	0.080	0.040	ug/l	J
120-12-7	Anthracene	0.0471	0.080	0.040	ug/l	J
56-55-3	Benzo(a)anthracene	ND	0.040	0.024	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.040	0.024	ug/l	
205-99-2	Benzo(b)fluoranthene	0.0405 UB	0.040	0.024	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.080	0.040	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.080	0.040	ug/l	
218-01-9	Chrysene	ND	0.080	0.040	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.080	0.040	ug/l	
206-44-0	Fluoranthene	0.0537	0.080	0.040	ug/l	J
86-73-7	Fluorene	1.38 J	0.080	0.040	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.080	0.040	ug/l	
91-20-3	Naphthalene	72.4 [c] DJ	0.80	0.40	ug/l	
85-01-8	Phenanthrene	0.0668	0.080	0.040	ug/l	J
129-00-0	Pyrene	0.0463	0.080	0.040	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	38%	32%	0% [d]	29-124%
321-60-8	2-Fluorobiphenyl	41%	42%	0% [d]	23-122%
1718-51-0	Terphenyl-d14	69%	66%	0% [d]	22-130%

(a) Sample reextracted outside the holding time for confirmation.
(b) Sample extracted outside the holding time.Confirmation run
(c) Result is from Run# 2
(d) Outside control limits due to dilution.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-EPA-07-10092025		
Lab Sample ID:	JE20825-1	**Date Sampled:**	10/09/25
Matrix:	AQ - Water	**Date Received:**	10/10/25
Method:	SW846 8015D	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KM14257.D	1	10/21/25 12:41	JN	n/a	n/a	GKM598
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.742	0.20	0.11	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	90%		63-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-EPA-07-10092025		
Lab Sample ID:	JE20825-1	**Date Sampled:**	10/09/25
Matrix:	AQ - Water	**Date Received:**	10/10/25
Method:	RSK-175	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA118152.D	100	10/22/25 09:18	WC	n/a	n/a	GAA3393
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	3150	11	8.0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-EPA-07-10092025
Lab Sample ID: JE20825-1
Matrix: AQ - Water
Method: SW846 8015D SW846 3511
Project: Saratoga Springs, NY

Date Sampled: 10/09/25
Date Received: 10/10/25
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Y97066.D	1	10/18/25 00:14	CB	10/14/25 19:00	OP68149	G3Y3746
Run #2							

	Initial Volume	Final Volume
Run #1	50.0 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	0.994 J	0.080	0.038	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	109%		70-130%
438-22-2	5a-Androstane	100%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-EPA-07-10092025
Lab Sample ID: JE20825-1
Matrix: AQ - Water
Project: Saratoga Springs, NY

Date Sampled: 10/09/25
Date Received: 10/10/25
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	3000	100	ug/l	1	10/14/25	10/15/25	LM	SW846 6010D [1]	SW846 3010A [2]
Manganese	152	15	ug/l	1	10/14/25	10/15/25	LM	SW846 6010D [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA59558
(2) Prep QC Batch: MP57944

RL = Reporting Limit

Report of Analysis

Client Sample ID: MW-EPA-07-10092025
Lab Sample ID: JE20825-1
Matrix: AQ - Water
Project: Saratoga Springs, NY

Date Sampled: 10/09/25
Date Received: 10/10/25
Percent Solids: n/a

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3 [a]	696	5.0	mg/l	1	10/14/25 09:37	GTT	SM2320 B-11/21
Nitrogen, Nitrate [b]	< 0.11	0.11	mg/l	1	10/27/25 19:26	JD	EPA353.2/SM4500NO2B
Nitrogen, Nitrate + Nitrite	< 0.10	0.10	mg/l	1	10/27/25 19:26	JD	EPA 353.2/LACHAT
Nitrogen, Nitrite	< 0.010	0.010	mg/l	1	10/10/25 17:50	GT	SM4500NO2 B-11/21
Nitrogen, Total Kjeldahl	4.4	0.40	mg/l	1	10/14/25 17:59	SS	EPA 351.2/LACHAT
Sulfate	17.6	2.0	mg/l	1	10/20/25 22:03	MS	EPA 300/SW846 9056A
Sulfide	< 2.0	2.0	mg/l	1	10/13/25 14:07	GT	SM4500S2- F-11/21
Total Organic Carbon	2.6	1.0	mg/l	1	10/16/25 04:44	MB	SM5310 B-11/14

(a) Sample was titrated to a final pH of 4.5.
(b) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-EPA-07-10092025		
Lab Sample ID:	JE20825-1A	**Date Sampled:**	10/09/25
Matrix:	AQ - Water	**Date Received:**	10/10/25
Method:	SW846 8015D SW846 3511	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Y97070.D	1	10/18/25 01:34	CB	10/14/25 19:00	OP68149	G3Y3746
Run #2							

	Initial Volume	Final Volume
Run #1	48.5 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	0.951 J	0.082	0.040	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	103%		70-130%
438-22-2	5a-Androstane	95%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DUP-10092025
Lab Sample ID: JE20825-3
Matrix: AQ - Water
Method: SW846 8260D
Project: Saratoga Springs, NY

Date Sampled: 10/09/25
Date Received: 10/10/25
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2K25226.D	1	10/18/25 04:07	ED	n/a	n/a	V2K694
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	8.9 J	0.50	0.43	ug/l	
108-88-3	Toluene	1.0	1.0	0.49	ug/l	
100-41-4	Ethylbenzene	131	1.0	0.60	ug/l	
1330-20-7	Xylene (total)	58.0	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		80-120%
17060-07-0	1,2-Dichloroethane-D4	90%		80-120%
2037-26-5	Toluene-D8	97%		80-120%
460-00-4	4-Bromofluorobenzene	89%		82-114%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-10092025		
Lab Sample ID:	JE20825-3	**Date Sampled:**	10/09/25
Matrix:	AQ - Water	**Date Received:**	10/10/25
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CS9068.D	1	10/16/25 17:53	AC	10/15/25 06:45	OP68138A	ECS468
Run #2	Z176732.D	10	10/27/25 18:31	RS	10/15/25 06:45	OP68138A	EZ8699
Run #3	Z176733.D	50	10/27/25 18:56	RS	10/15/25 06:45	OP68138A	EZ8699
Run #4 [b]	CS9253.D	1	10/24/25 16:50	AC	10/21/25 19:30	OP68290A	ECS475

	Initial Volume	Final Volume
Run #1	250 ml	1.0 ml
Run #2	250 ml	1.0 ml
Run #3	250 ml	1.0 ml
Run #4	250 ml	1.0 ml

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	9.65 [c] D	0.80	0.40	ug/l	
208-96-8	Acenaphthylene	0.0647	0.080	0.040	ug/l	J
120-12-7	Anthracene	ND	0.080	0.040	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.040	0.024	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.040	0.024	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.040	0.024	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.080	0.040	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.080	0.040	ug/l	
218-01-9	Chrysene	ND	0.080	0.040	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.080	0.040	ug/l	
206-44-0	Fluoranthene	ND	0.080	0.040	ug/l	
86-73-7	Fluorene	0.975 J	0.080	0.040	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.080	0.040	ug/l	
91-20-3	Naphthalene	102 [d] DJ	4.0	2.0	ug/l	
85-01-8	Phenanthrene	0.0468	0.080	0.040	ug/l	J
129-00-0	Pyrene	ND	0.080	0.040	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	46%	41%	0% [e]	29-124%
321-60-8	2-Fluorobiphenyl	40%	48%	0% [e]	23-122%
1718-51-0	Terphenyl-d14	64%	67%	0% [e]	22-130%

(a) Sample reextracted outside the holding time for confirmation.
(b) Sample extracted outside the holding time. Confirmation run.
(c) Result is from Run# 2
(d) Result is from Run# 3
(e) Outside control limits due to dilution.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DUP-10092025
Lab Sample ID: JE20825-3
Matrix: AQ - Water
Method: SW846 8015D
Project: Saratoga Springs, NY

Date Sampled: 10/09/25
Date Received: 10/10/25
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KM14153.D	1	10/14/25 15:44	JN	n/a	n/a	GKM593
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	0.562	0.20	0.11	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	89%		63-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-10092025		
Lab Sample ID:	JE20825-3	**Date Sampled:**	10/09/25
Matrix:	AQ - Water	**Date Received:**	10/10/25
Method:	RSK-175	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA118154.D	100	10/22/25 09:44	WC	n/a	n/a	GAA3393
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	3680	11	8.0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DUP-10092025
Lab Sample ID: JE20825-3
Matrix: AQ - Water
Method: SW846 8015D SW846 3511
Project: Saratoga Springs, NY

Date Sampled: 10/09/25
Date Received: 10/10/25
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Y97068.D	1	10/18/25 00:54	CB	10/14/25 19:00	OP68149	G3Y3746
Run #2							

	Initial Volume	Final Volume
Run #1	45.6 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	1.36 J	0.088	0.042	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	107%		70-130%
438-22-2	5a-Androstane	100%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DUP-10092025
Lab Sample ID: JE20825-3
Matrix: AQ - Water
Project: Saratoga Springs, NY

Date Sampled: 10/09/25
Date Received: 10/10/25
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	2270	100	ug/l	1	10/14/25	10/15/25	LM	SW846 6010D [1]	SW846 3010A [2]
Manganese	118	15	ug/l	1	10/14/25	10/15/25	LM	SW846 6010D [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA59558
(2) Prep QC Batch: MP57944

RL = Reporting Limit

Report of Analysis

Client Sample ID: DUP-10092025
Lab Sample ID: JE20825-3
Matrix: AQ - Water
Project: Saratoga Springs, NY

Date Sampled: 10/09/25
Date Received: 10/10/25
Percent Solids: n/a

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3 [a]	721	5.0	mg/l	1	10/14/25 09:37	GTT	SM2320 B-11/21
Nitrogen, Nitrate [b]	< 0.11	0.11	mg/l	1	10/27/25 19:27	JD	EPA353.2/SM4500NO2B
Nitrogen, Nitrate + Nitrite	< 0.10	0.10	mg/l	1	10/27/25 19:27	JD	EPA 353.2/LACHAT
Nitrogen, Nitrite	< 0.010	0.010	mg/l	1	10/10/25 17:50	GT	SM4500NO2 B-11/21
Nitrogen, Total Kjeldahl	4.7	0.40	mg/l	1	10/14/25 18:00	SS	EPA 351.2/LACHAT
Sulfate	15.4	2.0	mg/l	1	10/21/25 01:55	MS	EPA 300/SW846 9056A
Sulfide	< 2.0	2.0	mg/l	1	10/13/25 14:07	GT	SM4500S2- F-11/21
Total Organic Carbon	2.4	1.0	mg/l	1	10/16/25 05:25	MB	SM5310 B-11/14

(a) Sample was titrated to a final pH of 4.5.
(b) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Report of Analysis

Client Sample ID: DUP-10092025
Lab Sample ID: JE20825-3A
Matrix: AQ - Water
Method: SW846 8015D SW846 3511
Project: Saratoga Springs, NY

Date Sampled: 10/09/25
Date Received: 10/10/25
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Y97072.D	1	10/18/25 02:13	CB	10/14/25 19:00	OP68149	G3Y3746
Run #2							

	Initial Volume	Final Volume
Run #1	50.4 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	1.40 J	0.079	0.038	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	109%		70-130%
438-22-2	5a-Androstane	96%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-SS-08-05-10092025
Lab Sample ID: JE20825-4
Matrix: AQ - Water
Method: SW846 8260D
Project: Saratoga Springs, NY

Date Sampled: 10/09/25
Date Received: 10/10/25
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2K25228.D	1	10/18/25 04:41	ED	n/a	n/a	V2K694
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.50	0.43	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		80-120%
17060-07-0	1,2-Dichloroethane-D4	93%		80-120%
2037-26-5	Toluene-D8	98%		80-120%
460-00-4	4-Bromofluorobenzene	89%		82-114%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-SS-08-05-10092025		
Lab Sample ID:	JE20825-4	**Date Sampled:**	10/09/25
Matrix:	AQ - Water	**Date Received:**	10/10/25
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CS9069.D	1	10/16/25 18:20	AC	10/15/25 06:45	OP68138A	ECS468
Run #2 [a]	CS9254.D	1	10/24/25 17:17	AC	10/21/25 19:30	OP68290A	ECS475

	Initial Volume	Final Volume
Run #1	250 ml	1.0 ml
Run #2	250 ml	1.0 ml

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.080	0.040	ug/l	
208-96-8	Acenaphthylene	ND	0.080	0.040	ug/l	
120-12-7	Anthracene	ND	0.080	0.040	ug/l	
56-55-3	Benzo(a)anthracene	1.04	0.040	0.024	ug/l	
50-32-8	Benzo(a)pyrene [b]	1.14	0.040	0.024	ug/l	~~B~~
205-99-2	Benzo(b)fluoranthene [b]	1.34	0.040	0.024	ug/l	~~B~~
191-24-2	Benzo(g,h,i)perylene [b]	1.23 UB	0.080	0.040	ug/l	~~B~~
207-08-9	Benzo(k)fluoranthene [b]	1.49	0.080	0.040	ug/l	~~B~~
218-01-9	Chrysene	1.18	0.080	0.040	ug/l	
53-70-3	Dibenzo(a,h)anthracene [b]	1.40 UB	0.080	0.040	ug/l	~~B~~
206-44-0	Fluoranthene	0.0507	0.080	0.040	ug/l	J
86-73-7	Fluorene	ND UJ	0.080	0.040	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene [b]	1.29 UB	0.080	0.040	ug/l	~~B~~
91-20-3	Naphthalene [c]	0.102 UBJ	0.080	0.040	ug/l	~~B~~
85-01-8	Phenanthrene	ND	0.080	0.040	ug/l	
129-00-0	Pyrene	0.0604	0.080	0.040	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	45%	50%	29-124%
321-60-8	2-Fluorobiphenyl	43%	50%	23-122%
1718-51-0	Terphenyl-d14	70%	74%	22-130%

(a) Sample extracted outside the holding time. Confirmation run.
(b) Detected in the Method blank. Confirmation run extracted out of hold, result was ND
(c) Detected in the Method blank but below the reporting limit level.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-SS-08-08-10092025		
Lab Sample ID:	JE20825-5	**Date Sampled:**	10/09/25
Matrix:	AQ - Water	**Date Received:**	10/10/25
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2K25230.D	1	10/18/25 05:14	ED	n/a	n/a	V2K694
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.50	0.43	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
100-41-4	Ethylbenzene	8.5	1.0	0.60	ug/l	
1330-20-7	Xylene (total)	3.0	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		80-120%
17060-07-0	1,2-Dichloroethane-D4	94%		80-120%
2037-26-5	Toluene-D8	98%		80-120%
460-00-4	4-Bromofluorobenzene	89%		82-114%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-SS-08-08-10092025		
Lab Sample ID:	JE20825-5	**Date Sampled:**	10/09/25
Matrix:	AQ - Water	**Date Received:**	10/10/25
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CS9070.D	1	10/16/25 18:46	AC	10/15/25 06:45	OP68138A	ECS468
Run #2 [a]	CS9255.D	1	10/24/25 17:43	AC	10/21/25 19:30	OP68290A	ECS475

	Initial Volume	Final Volume
Run #1	250 ml	1.0 ml
Run #2	250 ml	1.0 ml

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.0724	0.080	0.040	ug/l	J
208-96-8	Acenaphthylene	ND	0.080	0.040	ug/l	
120-12-7	Anthracene	ND	0.080	0.040	ug/l	
56-55-3	Benzo(a)anthracene	0.0256	0.040	0.024	ug/l	J
50-32-8	Benzo(a)pyrene [b] 0.040 UB	~~0.0396~~	0.040	0.024	ug/l	~~JB~~
205-99-2	Benzo(b)fluoranthene [b]	0.0599 UB	0.040	0.024	ug/l	~~B~~
191-24-2	Benzo(g,h,i)perylene [b]	0.196 UB	0.080	0.040	ug/l	~~B~~
207-08-9	Benzo(k)fluoranthene [b] 0.080 UB	~~0.0689~~	0.080	0.040	ug/l	~~JB~~
218-01-9	Chrysene	ND	0.080	0.040	ug/l	
53-70-3	Dibenzo(a,h)anthracene [b]	0.299 UB	0.080	0.040	ug/l	~~B~~
206-44-0	Fluoranthene	ND	0.080	0.040	ug/l	
86-73-7	Fluorene	ND UJ	0.080	0.040	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene [b]	0.216 UB	0.080	0.040	ug/l	~~B~~
91-20-3	Naphthalene [c]	3.91 UBJ	0.080	0.040	ug/l	~~B~~
85-01-8	Phenanthrene	ND	0.080	0.040	ug/l	
129-00-0	Pyrene	ND	0.080	0.040	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	42%	31%	29-124%
321-60-8	2-Fluorobiphenyl	39%	34%	23-122%
1718-51-0	Terphenyl-d14	60%	53%	22-130%

(a) Sample extracted outside the holding time. Confirmation run.
(b) Detected in the Method blank. Confirmation run extracted out of hold, result was ND
(c) Detected in the Method blank but below the reporting limit level.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-SS-08-08-10092025		
Lab Sample ID:	JE20825-5	**Date Sampled:**	10/09/25
Matrix:	AQ - Water	**Date Received:**	10/10/25
Method:	SW846 8015D	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KM14114.D	1	10/13/25 20:03	JN	n/a	n/a	GKM591
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10) [a]	ND	0.20	0.11	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	88%		63-120%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-SS-08-08-10092025		
Lab Sample ID:	JE20825-5	**Date Sampled:**	10/09/25
Matrix:	AQ - Water	**Date Received:**	10/10/25
Method:	RSK-175	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA118156.D	50	10/22/25 10:14	WC	n/a	n/a	GAA3393
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	1260	5.5	4.0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-SS-08-08-10092025
Lab Sample ID: JE20825-5
Matrix: AQ - Water
Method: SW846 8015D SW846 3511
Project: Saratoga Springs, NY

Date Sampled: 10/09/25
Date Received: 10/10/25
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Y97069.D	1	10/18/25 01:14	CB	10/14/25 19:00	OP68149	G3Y3746
Run #2							

	Initial Volume	Final Volume
Run #1	44.5 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	0.0520	0.090	0.043	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	103%		70-130%
438-22-2	5a-Androstane	98%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-SS-08-08-10092025		
Lab Sample ID:	JE20825-5	**Date Sampled:**	10/09/25
Matrix:	AQ - Water	**Date Received:**	10/10/25
		Percent Solids:	n/a
Project:	Saratoga Springs, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	3670	100	ug/l	1	10/14/25	10/15/25	LM	SW846 6010D [1]	SW846 3010A [2]
Manganese	541	15	ug/l	1	10/14/25	10/15/25	LM	SW846 6010D [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA59558
(2) Prep QC Batch: MP57944

RL = Reporting Limit

Report of Analysis

Client Sample ID: MW-SS-08-08-10092025
Lab Sample ID: JE20825-5
Matrix: AQ - Water
Project: Saratoga Springs, NY

Date Sampled: 10/09/25
Date Received: 10/10/25
Percent Solids: n/a

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3 [a]	519	5.0	mg/l	1	10/14/25 09:37	GTT	SM2320 B-11/21
Nitrogen, Nitrate [b]	< 0.11	0.11	mg/l	1	10/27/25 19:41	JD	EPA353.2/SM4500NO2B
Nitrogen, Nitrate + Nitrite	< 0.10	0.10	mg/l	1	10/27/25 19:41	JD	EPA 353.2/LACHAT
Nitrogen, Nitrite	< 0.010	0.010	mg/l	1	10/10/25 17:50	GT	SM4500NO2 B-11/21
Nitrogen, Total Kjeldahl	3.5	0.40	mg/l	1	10/14/25 18:06	SS	EPA 351.2/LACHAT
Sulfate	128	2.0	mg/l	1	10/21/25 02:08	MS	EPA 300/SW846 9056A
Sulfide	< 2.0	2.0	mg/l	1	10/13/25 14:07	GT	SM4500S2- F-11/21
Total Organic Carbon	4.2	1.0	mg/l	1	10/16/25 05:46	MB	SM5310 B-11/14

(a) Sample was titrated to a final pH of 4.5.
(b) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

Report of Analysis

Client Sample ID: MW-SS-08-08-10092025
Lab Sample ID: JE20825-5A
Matrix: AQ - Water
Method: SW846 8015D SW846 3511
Project: Saratoga Springs, NY

Date Sampled: 10/09/25
Date Received: 10/10/25
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Y97073.D	1	10/18/25 02:33	CB	10/14/25 19:00	OP68149	G3Y3746
Run #2							

	Initial Volume	Final Volume
Run #1	47.3 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	0.0720	0.085	0.041	mg/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	103%		70-130%
438-22-2	5a-Androstane	96%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	JE20825-6	**Date Sampled:**	10/09/25
Matrix:	AQ - Trip Blank Water	**Date Received:**	10/10/25
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2K25224.D	1	10/18/25 03:33	ED	n/a	n/a	V2K694
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.50	0.43	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		80-120%
17060-07-0	1,2-Dichloroethane-D4	87%		80-120%
2037-26-5	Toluene-D8	99%		80-120%
460-00-4	4-Bromofluorobenzene	90%		82-114%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ARCADIS

National Grid

Data Usability Summary Report

Saratoga Springs, New York

Volatile Organic Compounds (VOCs), Dissolved Gases, Total Petroleum Hydrocarbons (TPH), Metals and Miscellaneous Analyses

SDG # JE21194

Analyses Performed By:
SGS Laboratories
Dayton, New Jersey

Report #62778R
Review Level: Tier III
Project: 30003945.00024

Summary

This Data Usability Summary Report (DUSR) summarizes the review of Sample Delivery Groups (SDG) # JE21194 for samples collected in association with the National Grid Saratoga Springs Site. The review was conducted as a Tier III evaluation and included review of data package completeness. Only analytical data associated with constituents of concern were reviewed for this validation. Field documentation was not included in this review. Included with this assessment are the validation annotated sample result sheets, and chain of custody. Analyses were performed on the following samples:

Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	Analysis				
					VOC	DG	TPH	MET	MISC
MW-EPA-10 10142025	JE21194-1	Water	10/14/2025			X	X	X	X
TRIP BLANK	JE21194-2	Water	10/14/2025		X				

Notes:
VOC = volatile organic compounds.
DG = dissolved gases (includes methane).
TPH = total petroleum hydrocarbons (includes Diesel Range Organics [DRO] and Gasoline Range Organics [GRO]).
MET = metals.
MISC = miscellaneous analysis includes total organic carbon, alkalinity, Nitrite-N, Nitrate-N, nitrogen, nitrate + nitrite, sulfate, and sulfide.

Analytical Data Package Documentation

The table below evaluates the data package completeness.

Items Reviewed	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Sample receipt condition		X		X	
2. Requested analyses and sample results		X		X	
3. Master tracking list		X		X	
4. Methods of analysis		X		X	
5. Reporting limits		X		X	
6. Sample collection date		X		X	
7. Laboratory sample received date		X		X	
8. Sample preservation verification (as applicable)		X		X	
9. Sample preparation/extraction/analysis dates		X		X	
10. Fully executed chain-of-custody form		X		X	
11. Narrative summary of QA or sample problems provided		X		X	
12. Data package completeness and compliance		X		X	

Note:
QA = quality assurance

Organic Analysis Introduction

Analyses were performed according to United States Environmental Protection Agency (USEPA) SW-846 Methods 8260D, 8015D and RSK-175. Data were reviewed in accordance with the USEPA National Functional Guidelines for Organic Superfund Methods Data Review (November 2020); USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (October 1999), and applicable Region II SOPs were followed for qualification purposes.

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with USEPA National Functional Guidelines:

Concentration (C) Qualifiers

- U The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
- B The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.

Quantitation (Q) Qualifiers

- E The compound was quantitated above the calibration range.
- D Concentration is based on a diluted sample analysis.

Validation Qualifiers

- J The compound was positively identified; however, the associated numerical value is an estimated concentration only.
- UJ The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.
- JN The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification. The associated numerical value is an estimated concentration only.
- UB Compound is considered non-detect at the listed value due to associated blank contamination.
- N The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification.
- R The sample results are rejected.

The "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second

fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

Volatile Organic Compound (VOC) Analyses

1. Holding Times

The specified holding times for the following methods are presented in the table below.

Method	Matrix	Holding Time	Preservation
SW-846 8260D	Water	14 days from collection to analysis (preserved) 7 days from collection to analysis (non-preserved)	Cool to <6 °C; preserved to a pH of less than 2 s.u.

Note:
s.u. = standard units

All samples were analyzed within the specified holding time criteria.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compounds were not detected above the MDL in the associated blanks; therefore, detected sample results were not associated with blank contamination.

3. Mass Spectrometer Tuning

Mass spectrometer performance was acceptable and all analyses were performed within a 12-hour tune clock.

System performance and column resolution were acceptable.

4. Calibration

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

The method specifies percent relative standard deviation (%RSD) and relative response factor (RRF) limits for select compounds only. A technical review of the data applies limits to all compounds with no exceptions.

All target compounds associated with the initial calibration standards must exhibit a %RSD less than the control limit (20%) or a correlation coefficient greater than 0.99 and an RRF value greater than control limit (0.05).

4.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit (20%) and RRF value greater than control limit (0.05).

All compounds associated with the calibrations were within the specified control limits.

5. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. VOC analysis requires that all surrogates associated with the analysis exhibit recoveries within the laboratory-established acceptance limits.

All surrogate recoveries were within control limits.

6. Internal Standard Performance

Internal standard performance criteria ensure that the GC/MS sensitivity and response are stable during every sample analysis. The criteria require the internal standard compounds associated with the VOC exhibit area counts that are not greater than two times (+100%) or less than one-half (-50%) of the area counts of the associated continuing calibration standard.

All internal standard responses were within control limits.

7. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

The MS/MSD analysis was not performed on samples from this SDG.

8. Laboratory Control Sample (LCS) Analysis

The LCS analysis is used to assess the accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

All compounds associated with the LCS analysis exhibited recoveries within the control limits.

9. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 30% for water matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water matrices.

A field duplicate sample was not collected for the samples from this SDG.

10. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

Data Validation Checklist for VOCs

VOCs: SW-846 8260D	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment blanks	X				X
C. Trip blanks		X		X	
Laboratory Control Sample (LCS) %R		X		X	
Laboratory Control Sample Duplicate (LCSD) %R	X				X
LCS/LCSD Precision (RPD)	X				X
Matrix Spike (MS) %R	X				X
Matrix Spike Duplicate (MSD) %R	X				X
MS/MSD Precision (RPD)	X				X
Field/Lab Duplicate (RPD)	X				X
Surrogate Spike Recoveries		X		X	
Dilution Factor		X		X	
Moisture Content	X				X
Tier III Validation					
System performance and column resolution		X		X	
Initial calibration %RSDs		X		X	
Initial and Continuing calibration RRFs		X		X	
Initial and Continuing calibration verification %Ds		X		X	
Internal standard		X		X	
Reporting limits adjusted to reflect sample dilutions		X		X	

Notes:
%RSD = relative standard deviation
%R = percent recovery
RPD = relative percent difference
%D = percent difference

Dissolved Gases Analyses

1. Holding Times

The specified holding times for the following methods are presented in the table below.

Method	Matrix	Holding Time	Preservation
RSK-175	Water	14 days from collection to analysis (preserved) 7 days from collection to analysis (Unpreserved)	Cool to <6 °C; preserved to a pH of less than 2 s.u.

Note:
s.u. = standard units

All samples were analyzed within the specified holding time criteria.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compounds were not detected above the MDL in the associated blanks; therefore, detected sample results were not associated with blank contamination.

3. Calibration

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

3.1 Initial Calibration

The method specifies percent relative standard deviation (%RSD) and relative response factor (RRF) limits for select compounds only. A technical review of the data applies limits to all compounds with no exceptions.

All target compounds associated with the initial calibration standards must exhibit a %RSD less than the control limit (20%) or a correlation coefficient greater than 0.99 and an RRF value greater than control limit (0.05).

3.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit (20%) and RRF value greater than control limit (0.05).

All compounds associated with the calibrations were within the specified control limits.

4. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

The MS/MSD analysis was not performed on samples from this SDG.

5. Laboratory Duplicate Analysis

The laboratory duplicate relative percent difference (RPD) criterion is applied when parent and duplicate sample concentrations are greater than or equal to five times the reporting limit (RL). A control limit of 20% for water matrices is applied when the criteria above is true. In the instance when the parent and/or duplicate sample concentrations are less than or equal to five times the RL, a control limit of one times the RL is applied for water matrices.

The laboratory duplicate analysis was not performed on samples from this SDG.

6. Laboratory Control Sample (LCS) Analysis

The LCS analysis is used to assess the accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

All compounds associated with the LCS analysis exhibited recoveries within the control limits.

7. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 30% for water matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water matrices.

A field duplicate sample was not collected for the samples from this SDG.

8. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

Data Validation Checklist for Dissolved Gases

Dissolved Gases: RSK-175	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/FLAME IONIZATION DETECTOR (GC/FID)					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment blanks	X				X
Laboratory Control Sample (LCS) %R		X		X	
Laboratory Control Sample Duplicate (LCSD) %R	X				X
LCS/LCSD Precision (RPD)	X				X
Matrix Spike (MS) %R	X				X
Matrix Spike Duplicate (MSD) %R	X				X
MS/MSD Precision (RPD)	X				X
Field/Lab Duplicate (RPD)	X				X
Dilution Factor		X		X	
Moisture Content	X				X
Tier III Validation					
Initial calibration %RSD		X		X	
Initial and Continuing calibration RRFs		X		X	
Initial and Continuing calibration verification %Ds		X		X	
Reporting limits adjusted to reflect sample dilutions		X		X	

Notes:
%RSD= relative standard deviation
%R = percent recovery
RPD = relative percent difference
%D = percent difference

Gasoline/Diesel Range Organics (GRO/DRO) Analyses

1. Holding Times

The specified holding times for the following methods are presented in the table below.

Method	Matrix	Holding Time	Preservation
TPH Diesel Range Organics (DRO) by SW-846 8015D	Water	7 days from collection to extraction; 40 days from extraction to analysis	Cool to <6 °C
TPH Gasoline Range Organics (GRO) by SW-846 8015D	Water	14 days from collection to analysis	Cool to <6 °C; preserved to a pH of less than 2 s.u

Note:
s.u. = standard units

All samples were analyzed within the specified holding time criteria.

Note: Two sample results for DRO analysis are reported; samples with an “A” suffix attached to the sample ID were analyzed with an additional silica gel cleanup process.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compounds were not detected above the MDL in the associated blanks; therefore, detected sample results were not associated with blank contamination.

3. Calibration

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

3.1 Initial Calibration

The method specifies percent relative standard deviation (%RSD) and relative response factor (RRF) limits for select compounds only. A technical review of the data applies limits to all compounds with no exceptions.

All target compounds associated with the initial calibration standards must exhibit a %RSD less than the control limit (20%) or a correlation coefficient greater than 0.99.

3.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit 20%.

All compounds associated with the calibrations were within the specified control limits.

4. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. The analysis requires that all surrogates associated with the analysis exhibit recoveries within the laboratory-established acceptance limits.

All surrogate recoveries were within control limits.

5. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

The MS/MSD analysis was not performed on samples from this SDG.

6. Laboratory Duplicate Analysis

The laboratory duplicate relative percent difference (RPD) criterion is applied when parent and duplicate sample concentrations are greater than or equal to five times the reporting limit (RL). A control limit of 20% for water matrices is applied when the criteria above is true. In the instance when the parent and/or duplicate sample concentrations are less than or equal to five times the RL, a control limit of one times the RL is applied for water matrices.

The laboratory duplicate analysis was performed on sample MW-EPA-10 10142025 for TPH Gasoline Range Organics. The laboratory duplicate analysis exhibited RPD within the control limits.

7. Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) Analysis

The LCS/LCSD analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS/LCSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

All compounds associated with the LCS/LCSD analysis exhibited recoveries and RPDs within the control limits.

8. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 30% for water matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water matrices.

A field duplicate sample was not collected for the samples from this SDG.

9. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

Data Validation Checklist for GRO/DRO

GRO/DRO: EPA 8015D	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY (GC/FID)					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment blanks	X				X
Laboratory Control Sample (LCS) %R		X		X	
Laboratory Control Sample Duplicate (LCSD) %R		X		X	
LCS/LCSD Precision (RPD)		X		X	
Matrix Spike (MS) %R	X				X
Matrix Spike Duplicate (MSD) %R	X				X
MS/MSD Precision (RPD)	X				X
Field/Lab Duplicate (RPD)		X		X	
Surrogate Spike Recoveries		X		X	
Dilution Factor		X		X	
Moisture Content	X				X
Tier III Validation					
Initial calibration %RSD or correlation coefficient		X		X	
Initial and Continuing calibration verification %Ds		X		X	
Reporting limits adjusted to reflect sample dilutions		X		X	

Notes:
%RSD = relative standard deviation
%R = percent recovery
RPD = relative percent difference
%D = percent difference

Inorganic Analysis Introduction

Analyses were performed according to United States Environmental Protection Agency (USEPA) SW-846 Method 6010D, 353.2 and 300.0, Standard Methods 2320B, 4500NO2 B, 4500S2-F, and 5310B. Data were reviewed in accordance with the Data were reviewed in accordance with USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review, EPA 542-R-20-006, November 2020 (with reference to the historical USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review, EPA 540-R-04-004, October 2004), as appropriate; and associated USEPA Region II guidelines.

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and that it was already subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with the USEPA National Functional Guidelines:

- Concentration (C) Qualifiers
  - U The analyte was analyzed for but not detected. The associated value is the analyte instrument detection limit.
  - J The reported value was obtained from a reading less than the reporting limit (RL), but greater than or equal to the method detection limit (MDL).
- Quantitation (Q) Qualifiers
  - E The reported value is estimated due to the presence of interference.
  - N Spiked sample recovery is not within control limits.
  - * Duplicate analysis is not within control limits.
- Validation Qualifiers
  - J The analyte was positively identified; however, the associated numerical value is an estimated concentration only.
  - UJ The analyte was not detected above the reporting limit. However, the reported limit is approximate and may or may not represent the actual limit of detection.
  - UB Analyte considered non-detect at the listed value due to associated blank contamination.
  - R The sample results are rejected.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

Metals Analyses

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
SW-846 6010D	Water	180 days from collection to analysis	Preserved to a pH of less than 2.

All samples were analyzed within the specified holding time criteria.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Analytes were not detected above the MDL in the associated blanks; therefore, detected sample results were not associated with blank contamination.

3. Calibration

Satisfactory instrument calibration is established to provide that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument's continuing performance is satisfactory.

3.1 Initial Calibration and Continuing Calibration

The correct number and type of standards were analyzed. The correlation coefficient of the initial calibration was greater than 0.995 for all non-ICP analytes and all initial calibration verification standard recoveries were within control limits.

All initial and continuing calibration verification standard recoveries were within the control limit.

3.2 RL Check Standard

The RL check standard serves to verify the linearity of calibration of the analysis at the reporting limit. The RL standard is not required for the analysis of iron (Fe), magnesium (Mg) and sodium (Na). The criteria used to evaluate the RL standard analysis are presented below in the RL standards evaluation table (if applicable).

All RL standard recoveries were within control limits.

3.3 ICP Interference Control Sample (ICS)

The ICS verifies the laboratories interelement and background correction factors.

All ICS exhibited recoveries within the control limits.

4. Matrix Spike/Matrix Spike Duplicate (MS/MSD)/Laboratory Duplicate Analysis

MS/MSD and laboratory duplicate data are used to assess the precision and accuracy of the analytical method.

4.1 MS/MSD Analysis

All metal analytes must exhibit a percent recovery within the established acceptance limits of 75% to 125%. The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the analyte's concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater. In instance where this is true, the data will not be qualified even if the percent recovery does not meet the control limits and the laboratory flag will be removed.

The MS/MSD analysis was not performed on samples from this SDG.

4.2 Laboratory Duplicate Analysis

The laboratory duplicate relative percent difference (RPD) criterion is applied when parent and duplicate sample concentrations are greater than or equal to 5 times the RL. A control limit of 20% for water matrices is applied when the criteria above is true. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water matrices.

The Laboratory duplicate analysis was not performed on samples from this SDG.

5. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 30% for water matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water matrices.

A field duplicate sample was not collected for the samples from this SDG.

6. Laboratory Control Sample (LCS) Analysis

The LCS analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The analytes associated with the LCS analysis must exhibit a percent recovery between the control limits of 80% and 120%.

The LCS analysis exhibited recoveries within the control limits.

7. Serial Dilution

The serial dilution analysis is used to assess if a significant physical or chemical interference exists due to sample matrix. Analytes exhibiting concentrations greater than 50 times the MDL in the undiluted sample are evaluated to determine if matrix interference exists. These analytes are required to have less than a 10% difference (%D) between sample results from the undiluted (parent) sample and results associated with the same sample analyzed with a five-fold dilution.

The serial dilution analysis was not performed on samples from this SDG.

8. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

Data Validation Checklist for Metals

METALS: SW-846 6010D	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
Inductively Coupled Plasma-Atomic Emission Spectrometry (ICP-AES)					
Tier II Validation					
Holding Times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Instrument Blanks		X		X	
B. Method Blanks		X		X	
C. Equipment/Field Blanks	X				X
Laboratory Control Sample (LCS) %R		X		X	
Matrix Spike (MS) %R	X				X
Matrix Spike Duplicate (MSD) %R	X				X
MS/MSD Precision (RPD)	X				X
Field/Lab Duplicate (RPD)	X				X
ICP Serial Dilution %D	X				X
Reporting Limit Verification		X		X	
Tier III Validation					
Initial Calibration Verification		X		X	
Continuing Calibration Verification		X		X	
CRDL Standard Recovery		X		X	
ICP Interference Check		X		X	
Reporting limits adjusted to reflect sample dilutions		X		X	

Notes:
%R = percent recovery
RPD = relative percent difference
%D = percent difference

General Chemistry Analyses

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
Total Organic Carbon by SM5310B	Water	28 days from collection to analysis	Cool to <6 °C; preserved to a pH of less than 2.
Alkalinity, Total as CaCO3 by SM 2320B	Water	14 days from collection to analysis	Cool to <6 °C.
Nitrogen, Nitrite by SM4500NO2 B	Water	48 hours from collection to analysis	Cool to <6 °C.
Nitrogen nitrate by EPA 353.2 / SM4500N02B	Water	Calculation	NA
Nitrogen, Nitrate + Nitrite by EPA 353.2	Water	28 days from collection to analysis	Cool to <6 °C; preserved to a pH of less than 2.
Sulfate by EPA 300	Water	28 days from collection to analysis	Cool to <6 °C.
Sulfide by SM4500S2-F	Water	7 days from collection to analysis	Zinc acetate; preserved to a pH of greater than 9

Note:
NA = not applicable

All samples were analyzed within the specified holding time criteria.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Analytes were not detected above the MDL in the associated blanks; therefore, detected sample results were not associated with blank contamination.

3. Calibration

Satisfactory instrument calibration is established to provide that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument's continuing performance is satisfactory.

3.1 Initial Calibration and Continuing Calibration

The correct number and type of standards were analyzed. The correlation coefficient of the initial calibration was greater than 0.995 for all non-ICP analytes and all initial calibration verification standard recoveries were within control limits.

All initial and continuing calibration verification standard recoveries were within the control limit.

4. Matrix Spike(MS)/Matrix Spike Duplicate(MSD)/Laboratory Duplicate Analysis

MS/MSD and laboratory duplicate data are used to assess the precision and accuracy of the analytical method.

4.1 MS/MSD Analysis

All analytes must exhibit a percent recovery within the established acceptance limits of 75% to 125%. The MS recovery control limits do not apply for MS/MSD performed on sample locations where the analyte's concentration detected in the parent sample exceeds the MS concentration by a factor of four or greater. In instance where this is true, the data will not be qualified even if the percent recovery does not meet the control limits and the laboratory flag will be removed.

The MS/MSD analysis was not performed on samples from this SDG.

4.2 Laboratory Duplicate Analysis

The laboratory duplicate relative percent difference (RPD) criterion is applied when parent and duplicate sample concentrations are greater than or equal to 5 times the RL. A control limit of 20% for water matrices is applied when the criteria above is true. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of one time the RL is applied for water matrices.

The Laboratory duplicate analysis was not performed on samples from this SDG.

5. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 30% for water matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water matrices.

A field duplicate sample was not collected for the samples from this SDG.

6. Laboratory Control Sample (LCS) Analysis

The LCS analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The analytes associated with the LCS analysis must exhibit a percent recovery between the control limits of 80% and 120%.

The LCS analysis exhibited recoveries within the control limits.

7. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

Data Validation Checklist for General Chemistry

General Chemistry: Various Methods	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
Miscellaneous Instrumentation					
Tier II Validation					
Holding Times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Instrument Blanks		X		X	
B. Method Blanks		X		X	
C. Equipment/Field Blanks	X				X
Laboratory Control Sample (LCS) %R		X		X	
Matrix Spike (MS) %R	X				X
Matrix Spike Duplicate (MSD) %R	X				X
MS/MSD Precision (RPD)	X				X
Field/Lab Duplicate (RPD)	X				X
Tier III Validation					
Initial Calibration Verification		X		X	
Continuing Calibration Verification		X		X	
Reporting limits adjusted to reflect sample dilutions		X		X	

Notes:
%R = percent recovery
RPD = relative percent difference

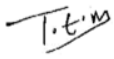
SAMPLE COMPLIANCE REPORT

Sample Delivery Group (SDG)	Sampling Date	Protocol	Sample ID	Matrix	Compliancy[1]					Noncompliance
					VOC	DG	TPH	MET	MISC	
JE21194	10/14/2025	SW846/USEPA	MW-EPA-10 10142025	Water	--	Yes	Yes	Yes	Yes	--
	10/14/2025	SW846/USEPA	TRIP BLANK	Water	Yes	--	--	--	--	--

Note:

1 Samples which are compliant with no added validation qualifiers are listed as "yes". Samples which are non-compliant or which have added qualifiers are listed as "no". A "no" designation does not necessarily indicate that the data have been rejected or are otherwise unusable.

VALIDATION PERFORMED BY: Tyson Tellis

SIGNATURE: 

DATE: January 22, 2026

PEER REVIEW: Joseph C. Houser

DATE: January 22, 2026

Chain of Custody Corrected Sample Analysis Data Sheets

SGS

WW
TB

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200
www.sgs.com/ehsusa

Page 1 of 1

E

FED-EX Tracking # 077223982021
Bottle Order Control # 430255169
SGS Quote #
SGS Job # JE21194

Client / Reporting Information	Project Information	Analysis Requested	Matrix Codes
Company Name: Arcadis	Project Name: NG Saratoga		
Street Address: 646 Plank Rd Suite 100	Street	Billing Information (if different from Report to)	
City State Zip: Clifton Park NY 12046	City State	Company Name:	
Project Contact E-mail: Matt Hysell Matt.Hysell@arcadis.com	Project # 30003945	Street Address	
Phone #: 315-671-9189	Client Purchase Order #	City State Zip	
Sampler(s) Name(s) Phone #: KK	Project Manager: Matt Hysell	Attention:	

Analysis Requested: Iron and Manganese; Sulfate; Sulfide; TPH DRO; SGC TPH DRO; TPH GRO; Alkalinity; Nitrate; TOC; Methane; BTEX

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED - Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB-Equipment Blank; RB - Rinse Blank; TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection: Date	Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	Number of Bottles: # of bottles	HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	pH Check (Lab Use Only)	LAB USE ONLY
1	MW-EPA-10 10142025		10/14/25	10:00	KK	G		W	18									X X X X X X X X X X	A8
2	Trip Blank		10/14/25	—	KK	G		W	2									X	G7
																			V742

Turn Around Time (Business Days)

Approved By (SGS PM) / Date:

- 10 Business Days
- 5 Business Days
- 3 Business Days*
- 2 Business Days*
- 1 Business Day*
- Other

All data available via SGS Engage

* Approval needed for 1-3 BD TAT

Deliverable

- Commercial "A" (Level 1)
- Commercial "B" (Level 2)
- NJ Reduced (Level 3)
- Full Tier I (Level 4)
- Commercial "C"
- NJ DKQP
- NJGW Criteria 2025 "new"
- NYASP Category A
- NYASP Category B
- MA MCP Criteria
- CT RCP Criteria
- State Forms
- EDD Format

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Lab to run both SGC TPH DRO and TPH DRO

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished By: 1	Date / Time: 10/14/25 1330	Received By: 1 FEDEX	Relinquished By: 2 FEDEX	Date / Time: 10/15 10:30	Received By: 2
Relinquished By: 3	Date / Time:	Received By: 3	Relinquished By: 4	Date / Time:	Received By: 4
Relinquished By: 5	Date / Time:	Received By: 5	Custody Seal # ☐ Intact ☐ Not intact ☐ Absent	Therm ID: See Sample Receipt Summary	On Ice ☑ Cooler Temp. °C 1.7

Ref No: G140222989

JE21194: Chain of Custody
Page 1 of 2

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-EPA-10 10142025		
Lab Sample ID:	JE21194-1	**Date Sampled:**	10/14/25
Matrix:	AQ - Ground Water	**Date Received:**	10/15/25
Method:	SW846 8015D	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KM14189.D	1	10/16/25 15:07	JN	n/a	n/a	GKM595
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.20	0.11	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	88%		63-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-EPA-10 10142025		
Lab Sample ID:	JE21194-1	**Date Sampled:**	10/14/25
Matrix:	AQ - Ground Water	**Date Received:**	10/15/25
Method:	RSK-175	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA118314.D	50	10/28/25 11:38	WC	n/a	n/a	GAA3397
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	3410	5.5	4.0	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-EPA-10 10142025		
Lab Sample ID:	JE21194-1	**Date Sampled:**	10/14/25
Matrix:	AQ - Ground Water	**Date Received:**	10/15/25
Method:	SW846 8015D SW846 3511	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Y97111.D	1	10/19/25 00:32	RK	10/17/25 15:00	OP68257	G3Y3747
Run #2							

	Initial Volume	Final Volume
Run #1	47.2 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	1.25	0.085	0.041	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	114%		70-130%
438-22-2	5a-Androstane	95%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-EPA-10 10142025
Lab Sample ID: JE21194-1
Matrix: AQ - Ground Water
Project: Saratoga Springs, NY

Date Sampled: 10/14/25
Date Received: 10/15/25
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	45600	100	ug/l	1	10/17/25	10/20/25	MM	SW846 6010D [1]	SW846 3010A [2]
Manganese	2220	15	ug/l	1	10/17/25	10/20/25	MM	SW846 6010D [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA59582
(2) Prep QC Batch: MP58034

RL = Reporting Limit

Report of Analysis

Client Sample ID: MW-EPA-10 10142025
Lab Sample ID: JE21194-1
Matrix: AQ - Ground Water
Project: Saratoga Springs, NY

Date Sampled: 10/14/25
Date Received: 10/15/25
Percent Solids: n/a

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3 [a]	597	5.0	mg/l	1	10/17/25 11:37	GT	SM2320 B-11/21
Nitrogen, Nitrate [b]	< 0.11	0.11	mg/l	1	11/03/25 19:21	JD	EPA353.2/SM4500NO2B
Nitrogen, Nitrate + Nitrite	< 0.10	0.10	mg/l	1	11/03/25 19:21	JD	EPA 353.2/LACHAT
Nitrogen, Nitrite	< 0.010	0.010	mg/l	1	10/15/25 18:32	GT	SM4500NO2 B-11/21
Sulfate	< 2.0	2.0	mg/l	1	10/23/25 18:48	SS	EPA 300/SW846 9056A
Sulfide	< 2.0	2.0	mg/l	1	10/16/25 14:04	GT	SM4500S2- F-11/21
Total Organic Carbon	15.7	1.0	mg/l	1	10/18/25 02:27	MB	SM5310 B-11/14

(a) Sample was titrated to a final pH of 4.5.
(b) Calculated as: (Nitrogen, Nitrate + Nitrite) - (Nitrogen, Nitrite)

RL = Reporting Limit

SGS North America Inc.

Report of Analysis

Client Sample ID:	MW-EPA-10 10142025		
Lab Sample ID:	JE21194-1A	**Date Sampled:**	10/14/25
Matrix:	AQ - Ground Water	**Date Received:**	10/15/25
Method:	SW846 8015D SW846 3511	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Y97120.D	1	10/19/25 03:29	RK	10/17/25 15:00	OP68257	G3Y3747
Run #2							

	Initial Volume	Final Volume
Run #1	47.6 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	1.20	0.084	0.040	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	116%		70-130%
438-22-2	5a-Androstane	93%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	JE21194-2	**Date Sampled:**	10/14/25
Matrix:	AQ - Trip Blank Water	**Date Received:**	10/15/25
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Saratoga Springs, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L374054.D	1	10/24/25 19:11	BK	n/a	n/a	VL11481
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.50	0.43	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		80-120%
17060-07-0	1,2-Dichloroethane-D4	100%		80-120%
2037-26-5	Toluene-D8	101%		80-120%
460-00-4	4-Bromofluorobenzene	96%		82-114%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Groundwater & Environmental Services, Inc.

202 North Main Street
Kent Square North, Suite 200
Blacksburg, VA 24060

T. 800.662.5067

January 27, 2026

Devin Shay
Groundwater & Environmental Services, Syracuse
6780 Northern Blvd., Suite 100
East Syracuse, NY 13057

RE: Data Usability Summary Report for National Grid- Saratoga Springs: Data Packages
Eurofins Environment Testing Job Nos. 480-233447-1, 480-233448-1

Review has been completed for the data packages generated by Eurofins Environment Testing, Amherst, NY (Eurofins Buffalo) that pertain to monitoring well samples collected during the October 2025 sampling event at the National Grid Saratoga Springs site.

Fourteen (14) aqueous samples, a matrix spike/matrix spike duplicate pair, and a field duplicate and a trip blank were collected from the main site over two days. These samples were processed for volatile organic compounds benzene, toluene, ethylbenzene and xylenes (BTEX) and polycyclic aromatic hydrocarbons (PAHs). A trip blank was analyzed for volatiles with the samples.

Three (3) aqueous samples were collected from the skating rink. These samples were processed for volatile organic compounds benzene, toluene, ethylbenzene and xylenes (BTEX) and polycyclic aromatic hydrocarbons (PAHs).

Analytical methodologies are those of the USEPA SW846 with additional requirements of the NYSDEC ASP.

Complete NYSDEC Category B deliverables were included in the laboratory data package and all information required for validation of the data is present. This usability report is generated from review of the summary form information, and review of associated QC raw data. The reported summary forms have been reviewed for application of validation qualifiers, using guidance from the National Grid generic QAPP, USEPA Region 2 validation SOPs, the USEPA National Functional Guidelines for Data Review, and professional judgment, as affects the usability of the data. The following items were reviewed:

- Laboratory Narrative Discussion
- Custody Documentation
- Holding Times
- Surrogate and Internal Standard Recoveries
- Matrix Spike Recoveries/Duplicate (MS/MSD) Correlations
- Field Duplicate Correlations
- Laboratory Control Sample (LCS)
- Preparation/Calibration Blanks
- Calibration/Low Level Standard Responses
- Instrumental Tunes

- Instrument MDLs

All of the items were determined to be acceptable for the DUSR level review. In summary, sample results are usable.

Table A

Validation Qualifiers

Sample ID	Qualifier	Analyte	Reason for qualification
All Samples	UJ	Dibenzo(a,h)anthracene indeno[1,2,3-cd]pyrene	Low CCV

The laboratory case narratives and sample identification summary forms are attached to this text, and should be reviewed in conjunction with this report.

BTEX and TCL Volatiles by EPA 8260C/NYSDEC ASP

Sample holding times for groundwater samples and instrumental tune fragmentations are within acceptance ranges.

Blanks show no contamination.

Surrogate and internal standard recoveries are within required limits. LCS/LCSD recoveries were within criteria and duplicate correlations fell within acceptable variance.

Calibration standards show acceptable responses within analytical protocol and validation action limits.

An MS/MSD was analyzed using LTMW-04 as the matrix; recoveries were within criteria and duplicate correlations fell within acceptable variance.

The blind field duplicate correlations of LTMW-02 were not calculated, as there were no positive detections reported in the original or duplicate sample.

PAHs by EPA8270D/NYSDEC ASP

Holding times were met. Instrumental tune fragmentations are within acceptance ranges. Blanks show no contamination.

PAH analysis includes three surrogate standards. The method allows one surrogate recovery to be out of specification and not affect the data. There were no samples that had more than one surrogate recovery out of specification, and no qualifiers were required.

Calibration standards, both initial and continuing, show acceptable responses within analytical method protocols and validation guidelines, with the exception of low recoveries for the dibenzo(a,h)anthracene and indeno[1,2,3-cd]pyrene in the CCV. Data in all samples is considered estimated with a possible low bias.

Surrogate and internal standard recoveries meet compliance criteria. LCS/LCSD recoveries were within criteria and duplicate correlations fell within acceptable variance.

Matrix spike and matrix spike recoveries were within laboratory specified criteria.

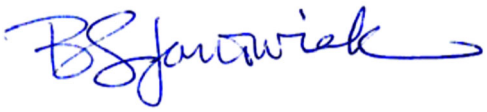
The blind field duplicate correlations of LTMW-02 were not calculated as there were no detected analytes in the original sample.

Data Package Completeness

Complete NYSDEC Category B deliverables were included in the laboratory data package, all information required for validation of the data is present.

Please do not hesitate to contact me if you have comments or questions regarding this report.

Sincerely,



Bonnie Janowiak, Ph.D.,
NRCC Environmental Chemist

Sample Summary

Client: Groundwater & Environmental Services, Inc.
Job ID: 480-233447-1
Project/Site: National Grid - Upstate New York OM&M

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
480-233447-1	LMTW-06	Water	10/09/25 09:40	10/10/25 09:30	New York
480-233447-2	LMTW-07	Water	10/09/25 12:10	10/10/25 09:30	New York
480-233447-3	LMTW-08	Water	10/09/25 10:35	10/10/25 09:30	New York

Job ID: 480-233447-1 Eurofins Buffalo

Job Narrative
480-233447-1

Receipt
The samples were received on 10/10/2025 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.1º C.

GC/MS VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270E SIM: The continuing calibration verification (CCV) analyzed in batch 460-1068569 was outside the method criteria for the following analyte(s): Dibenz(a,h)anthracene and Indeno[1,2,3-cd]pyrene. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Sample Summary

Client: Groundwater & Environmental Services, Inc. Job ID: 480-233448-1
Project/Site:

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
480-233448-1	LTMW-01	Water	10/09/25 12:45	10/10/25 09:30	New York
480-233448-2	LTMW-02	Water	10/09/25 12:20	10/10/25 09:30	New York
480-233448-3	LTMW-03	Water	10/09/25 11:35	10/10/25 09:30	New York
480-233448-4	LTMW-04	Water	10/09/25 10:25	10/10/25 09:30	New York
480-233448-5	LTMW-05	Water	10/09/25 09:30	10/10/25 09:30	New York
480-233448-6	LTMW-06A	Water	10/09/25 11:00	10/10/25 09:30	New York
480-233448-7	LTMW-12	Water	10/08/25 16:10	10/10/25 09:30	New York
480-233448-8	LTMW-13	Water	10/08/25 17:30	10/10/25 09:30	New York
480-233448-9	LTMW-14	Water	10/09/25 11:45	10/10/25 09:30	New York
480-233448-10	LTMW-15	Water	10/09/25 09:55	10/10/25 09:30	New York
480-233448-11	ORS	Water	10/09/25 12:40	10/10/25 09:30	New York
480-233448-12	MH-1	Water	10/09/25 08:45	10/10/25 09:30	New York
480-233448-13	Field Duplicate	Water	10/09/25 00:00	10/10/25 09:30	New York
480-233448-14	MW-EPA-01R	Water	10/09/25 13:10	10/10/25 09:30	New York
480-233448-15	MW-EPA-03R	Water	10/08/25 15:05	10/10/25 09:30	New York
480-233448-16	Trip Blank	Water	10/09/25 00:00	10/10/25 09:30	New York

Job ID: 480-233448-1 Eurofins Buffalo

Job Narrative
480-233448-1

Receipt
The samples were received on 10/10/2025 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 2.7º C, 3.0º C, 3.5º C and 4.1º C.

GC/MS VOA
Method 8260C: The following sample(s) was collected in a properly preserved vial; however, the pH was outside the required criteria when verified by the laboratory. The sample was analyzed within the 7-day holding time specified for unpreserved samples: ORS (480-233448-11).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270E SIM: The continuing calibration verification (CCV) analyzed in batch 460-1068569 was outside the method criteria for the following analyte(s): Dibenz(a,h)anthracene and Indeno[1,2,3-cd]pyrene. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Appendix G - Waste Manifest

SO#2507119013

Please print or type. NAI-2888 Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NYD 980 777 502
2. Page 1 of: 1
3. Emergency Response Phone: (800) 424-9300
4. Manifest Tracking Number: 027859769 JJK

5. Generator's Name and Mailing Address
Niagara Mohawk Power Corporation
300 Erie Blvd. West, Syracuse, NY 13202
Generator's Phone: (315) 461-7892 Attn:Brian Stearns

Generator's Site Address (if different than mailing address)
43 Excelsior Ave.
Saratoga Springs, NY 12866

6. Transporter 1 Company Name: Sun Environmental Corporation
U.S. EPA ID Number: NYR 000 176 958

7. Transporter 2 Company Name: Clean Harbors Environmental Services
U.S. EPA ID Number: MAD 039 322 250

8. Designated Facility Name and Site Address
Clean Harbors of Braintree, Inc.
1 Hill Ave., Braintree, MA 02184
Facility's Phone: 781-380-7100
U.S. EPA ID Number: MAD 053 452 637

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ, NA3082, Hazardous Waste, Liquid, N.O.S., 9, PG III (Benzene, Arsenic)	1	DM	Est. 80	P	D004	D018	B
X	2. RQ, NA3077, Hazardous Waste, Solid, N.O.S., 9, PG III (Benzene, Coal Tar)	2	DM	Est. 110	P	D018	B	
	3.							
	4.							

14. Special Handling Instructions and Additional Information HAZ-0485
Generator# NI15503 Sales Order
1: Profile# CH2690757 - CCRKS (DNAPL / Coal Tar) ERG171 Out of Service Date 12/16/24 Container size 55
2: Profile# CH2690736 - CCRK (DNAPL cont. Debris) ERG171 Out of Service Date 12/16/24 Container size 55
EMERGENCY RESPONSE: (800) 424-9300 CHEMTREC Cust #: CAP1143 Job# WILM-MSCH

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

GENERATOR

Generator's/Offeror's Printed/Typed Name: Brynna Kelly on behalf
Signature: Brynna Kelly
Month 12 Day 16 Year 25

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Harland m. Spencer
Signature:
Month 12 Day 16 Year 25

Transporter 2 Printed/Typed Name: Scott cowher
Signature: Scott cowher
Month 12 Day 17 Year 25

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Shawn Dawney
Signature:
Month 2 Day 13 Year 26

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

Appendix H - Water Treatment System Operational Summary Data

System Operating Data
Excelsior Ave, Former MGP Site
Saratoga Springs, New York

2025 Monthly System Data

Date	Total days system running	Total hours system running	PW-1			PW-2			PW-3			PW-4			PW-5			Transfer pump	Redux 340 Pump to OWS	Redux 620 Pump to OWS	System vapor exhaust pump	Computer Totalizer	City of Saratoga Springs Flow Meter		Total	Average GPM	Average GPM when transfer pump TP-200 is running	Comments
	Days	Hours	Hours	Pump Cycles	AVG Per Day	Hours	Pump Cycles	AVG Per Day	Hours	Pump Cycles	AVG Per Day	Hours	Pump Cycles	AVG Per Day	Hours	Pump Cycles	AVG Per Day	TP-200	MP-600	MP-601	B-500		Reading	Difference				
																		hours	hours	hours	hours	gallons	Cu.Feet	Cu.Feet	gallons	gallons	gallons	
January	28	679.5	12.83	191	6.8	25.45	306	10.9	18.55	256	9.1	35.75	84	3.0	1.63	62	2.2	16.95	63.82	63.82	679.03	17409.75	503308.99	2337.54	17485	0.43	17.19	
February	28	661.5	10.40	155	5.5	21.70	273	9.8	15.68	225	8.0	50.28	57	2.0	1.45	51	1.8	14.30	69.07	69.07	661.83	14823.75	505289.17	1980.18	14812	0.37	17.26	
March	29	703	13.72	191	6.6	25.03	303	10.4	24.20	285	9.8	47.38	123	4.2	1.63	65	2.2	18.88	72.47	72.47	702.00	19289.75	507866.85	2577.68	19281	0.46	17.02	
April	34	812.25	13.37	197	5.8	26.04	310	9.1	25.34	278	8.2	13.18	206	6.1	1.49	57	1.7	19.73	51.02	51.02	567.46	23462.25	510894.85	3028.00	22649	0.46	19.13	PLC Upgrade
May	30	720	32.35	218	7.3	30.22	351	11.7	44.91	274	9.1	20.67	251	8.4	1.54	83	2.8	24.52	77.77	77.77	721.09	24796.50	514219.28	3324.43	24867	0.58	16.90	
June	27	643.25	31.31	186	6.9	26.69	318	11.8	36.56	205	7.6	10.73	155	5.7	1.34	87	3.2	20.22	69.57	69.57	646.71	20234.80	516931.96	2712.68	20291	0.53	16.73	
July	34	822	19.29	282	8.3	37.71	403	11.9	30.64	299	8.8	10.87	163	4.8	2.09	76	2.2	25.90	66.45	66.45	818.92	22806.20	520093.77	3161.81	23650	0.48	15.22	
August	28	668	14.65	211	7.5	27.81	304	10.9	19.47	221	7.9	8.23	111	4.0	4.41	38	1.4	17.07	48.73	48.73	666.93	17167.00	522391.34	2297.57	17186	0.43	16.78	
September	29	704.5	12.30	184	6.3	30.97	299	10.3	14.09	212	7.3	13.93	78	2.7	1.77	52	1.8	15.23	48.37	48.37	704.43	15133.80	524420.18	2028.84	15176	0.36	16.61	
October	34	806.5	16.38	233	6.9	31.48	370	10.9	19.53	278	8.2	8.81	105	3.1	2.16	67	2.0	20.30	53.27	53.27	806.87	20214.50	527129.47	2709.29	20265	0.42	16.64	
November	28	672	13.98	196	7.0	27.08	319	11.4	47.03	175	6.3	7.34	86	3.1	2.90	51	1.8	17.59	67.48	67.48	672.56	17838.20	529515.32	2385.85	17846	0.44	16.91	
December	35	842	15.94	219	6.3	31.58	379	10.8	23.52	291	8.3	24.09	105	3.0	2.18	67	1.9	20.34	64.62	64.62	842.10	20589.00	532272.50	2757.18	20624	0.41	16.90	
Totals	364	8734.50	206.52	2463		341.76	3935		319.52	2999		251.26	1524		24.59	756		231.03	752.64	752.64	8489.9	233766			234132	0.45	16.94	
Average		727.88	17.21	205	6.8	28.48	328	10.8	26.63	250	8.2	20.94	127	4.2	2.05	63	2.1	19.25	62.72	62.72	707.49							
Total Days Running		364																										